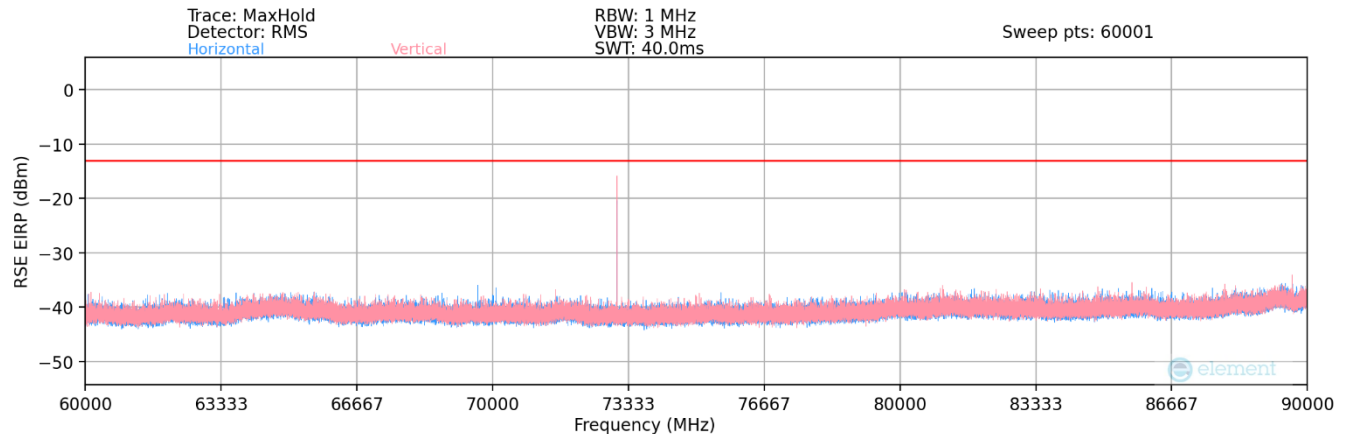


60GHz - 90GHz



Plot 7-114. Ant 1 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
72827.10	Low	50	2Tx	QPSK	V	266	96.7	-17.62	-13.00	-4.62
73051.81	Mid	50	2Tx	QPSK	V	261	95.1	-17.17	-13.00	-4.17
73276.41	High	50	2Tx	QPSK	V	265	95.8	-17.29	-13.00	-4.29

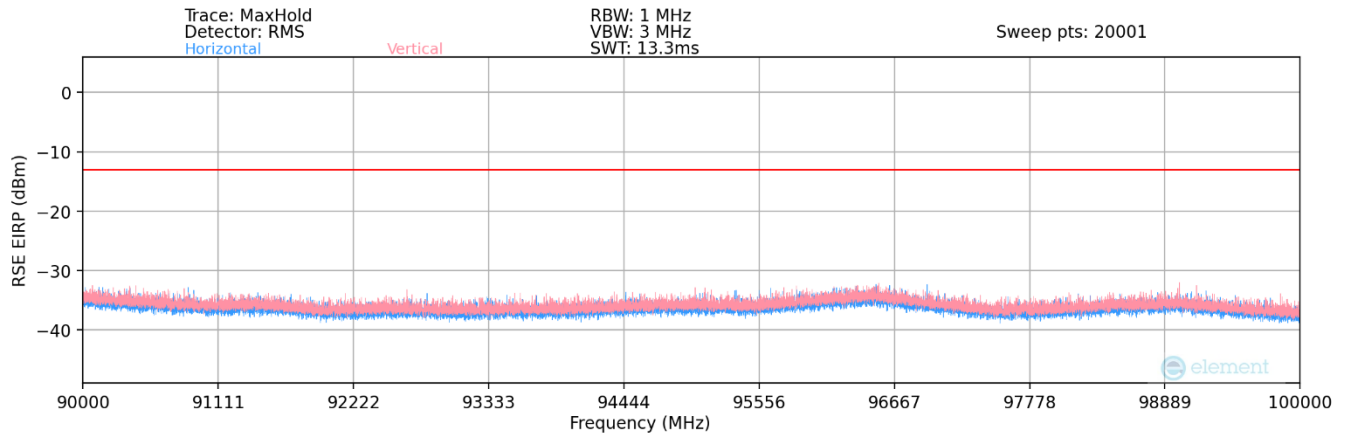
Table 7-55. Ant 1 - n258-R1 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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90GHz - 100GHz



Plot 7-115. Ant 1 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
97100.55	Low	50	2Tx	QPSK	V	-	-	-41.87	-13.00	-28.87
97398.83	Mid	50	2Tx	QPSK	V	-	-	-42.50	-13.00	-29.50
97709.46	High	50	2Tx	QPSK	V	-	-	-42.64	-13.00	-29.64

Table 7-56. Ant 1 - n258-R1 Radiated Spurious Emissions Table (90GHz - 100GHz)

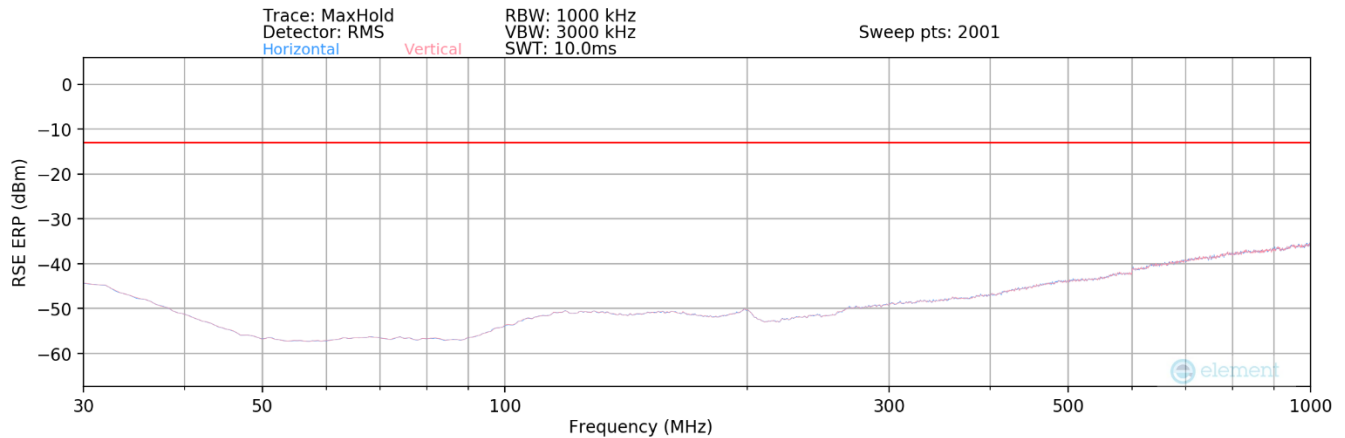
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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Band n258-R1 – Ant 2

30MHz - 1GHz



Plot 7-116. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
506.24	Low	50	2Tx	QPSK	H	-	-	-62.48	-13.00	-49.48
752.62	Mid	50	2Tx	QPSK	H	-	-	-58.09	-13.00	-45.09
804.96	High	50	2Tx	QPSK	H	-	-	-57.31	-13.00	-44.31

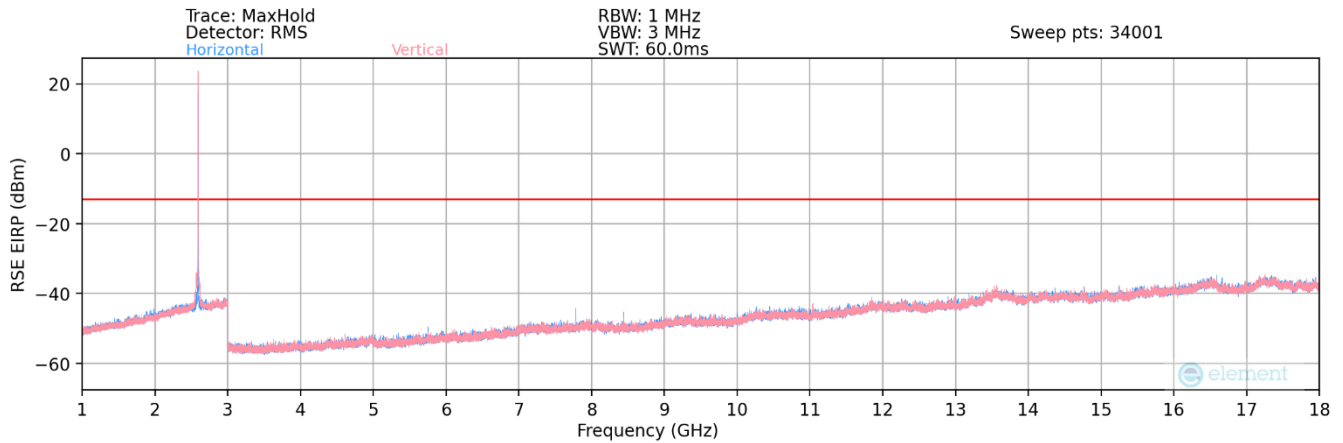
Table 7-57. Ant 2 - n258-R1 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-117. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
8367.24	Low	50	2Tx	QPSK	H	167	64	-47.23	-13.00	-34.23
7778.70	Mid	50	2Tx	QPSK	H	165	79	-52.90	-13.00	-39.90
8442.07	Mid	50	2Tx	QPSK	H	185	58	-48.27	-13.00	-35.27
8517.34	High	50	2Tx	QPSK	H	166	64	-47.97	-13.00	-34.97

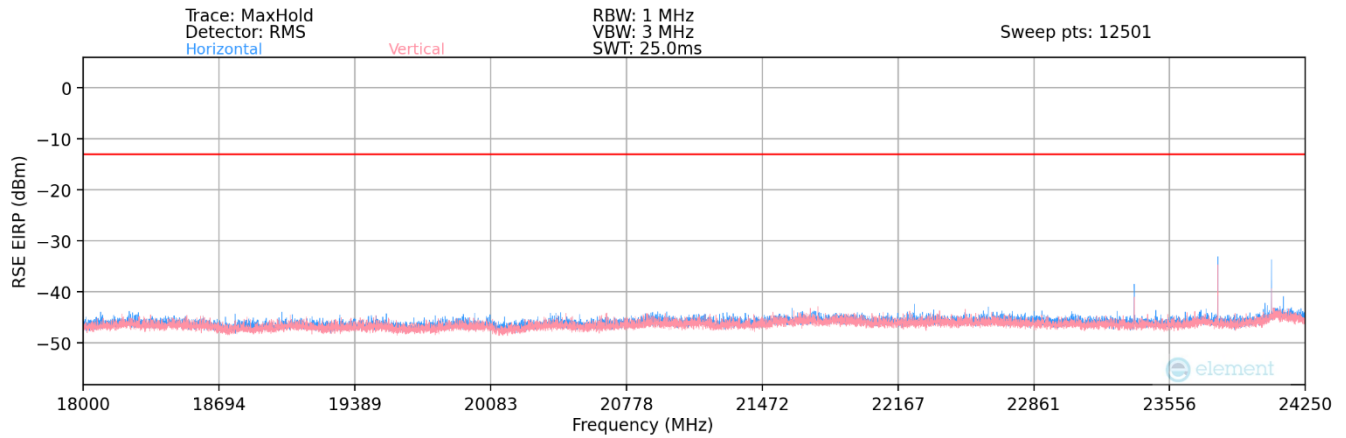
Table 7-58. Ant 2 - n258-R1 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

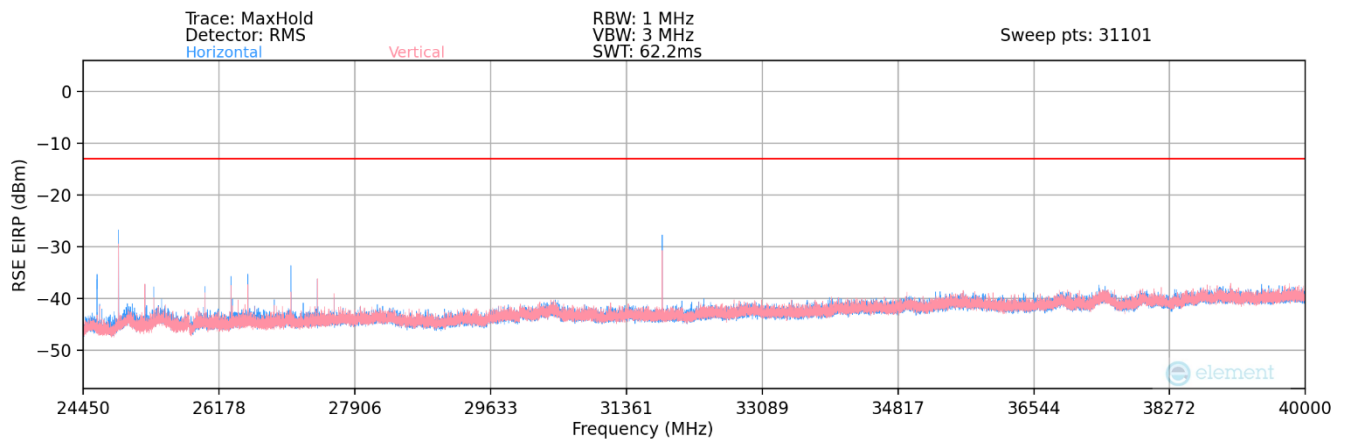
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18GHz - 24.25GHz



Plot 7-118. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

24.45GHz - 40GHz



Plot 7-119. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

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Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
23726.20	Low	50	2Tx	QPSK	H	84	229.9	-36.71	-13.00	-23.71
23998.70	Low	50	2Tx	QPSK	H	84	234.0	-43.62	-13.00	-30.62
24824.07	Low	50	2Tx	QPSK	H	80	223.1	-27.02	-13.00	-14.02
27018.42	Low	50	2Tx	QPSK	H	82	221.6	-32.01	-13.00	-19.01
31816.89	Low	50	2Tx	QPSK	H	72	209.4	-28.95	-13.00	-15.95
23802.79	Mid	50	2Tx	QPSK	H	90	243.1	-35.52	-13.00	-22.52
24076.76	Mid	50	2Tx	QPSK	H	70	209.5	-38.46	-13.00	-25.46
24899.74	Mid	50	2Tx	QPSK	H	84	222.9	-25.73	-13.00	-12.73
27093.17	Mid	50	2Tx	QPSK	H	76	205.4	-33.28	-13.00	-20.28
31817.01	Mid	50	2Tx	QPSK	H	29	185.9	-25.55	-13.00	-12.55
23876.79	High	50	2Tx	QPSK	H	84	230.2	-34.56	-13.00	-21.56
24134.50	High	50	2Tx	QPSK	H	65	205.7	-43.40	-13.00	-30.40
24974.00	High	50	2Tx	QPSK	H	78	222.9	-25.30	-13.00	-12.30
27428.21	High	50	2Tx	QPSK	H	75	223.5	-37.32	-13.00	-24.32

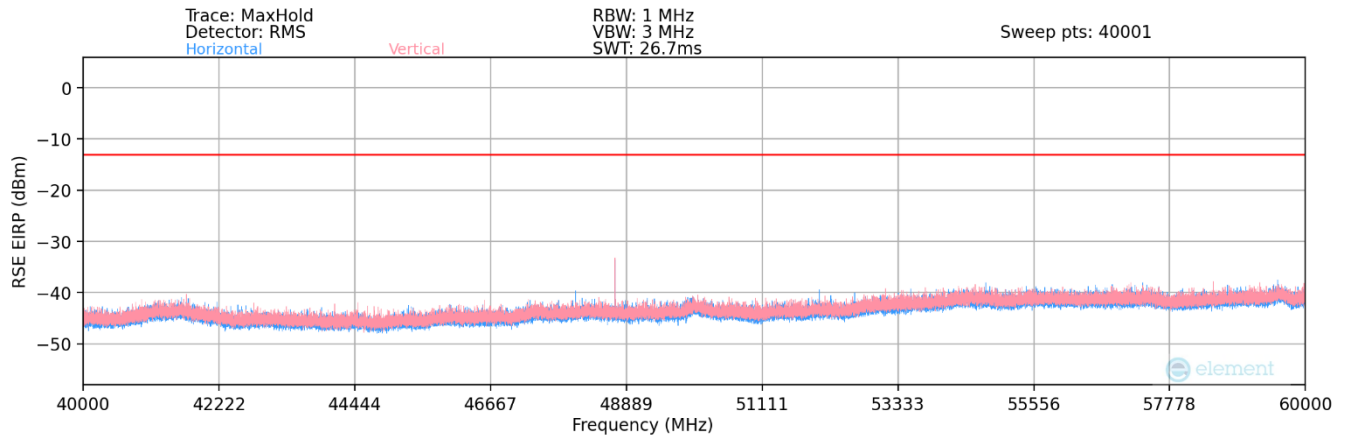
Table 7-59. Ant 2 - n258-R1 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter

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40GHz - 60GHz



Plot 7-120. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
48550.08	Low	50	2Tx	QPSK	V	322	347.0	-28.59	-13.00	-15.59
48700.08	Mid	50	2Tx	QPSK	V	317	347.0	-27.26	-13.00	-14.26
48849.84	High	50	2Tx	QPSK	V	322	346.7	-29.26	-13.00	-16.26

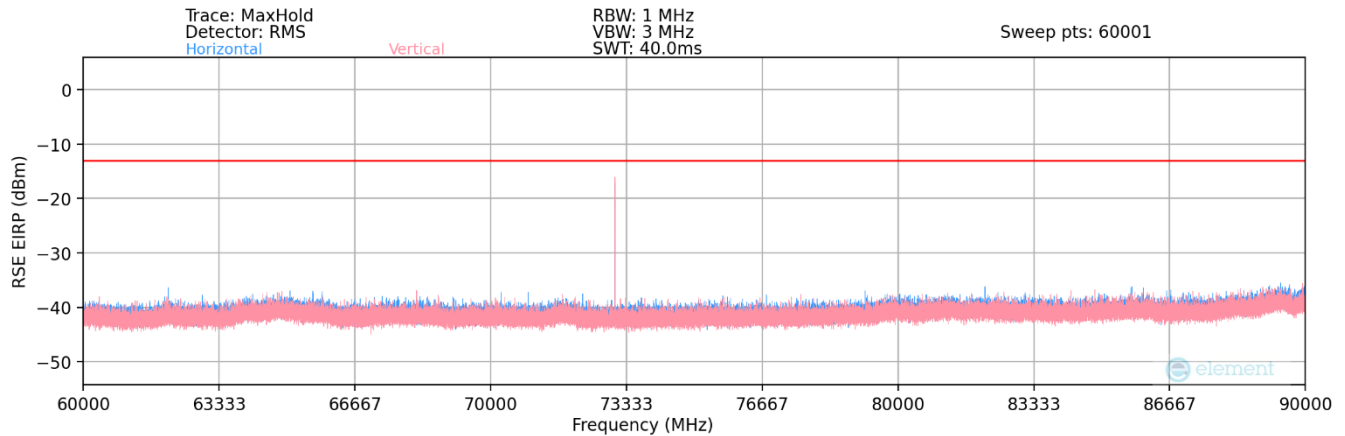
Table 7-60. Ant 2 - n258-R1 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-121. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
72813.87	Low	50	2Tx	QPSK	V	*	*	-28.28	-13.00	-15.28
73033.90	Mid	50	2Tx	QPSK	V	*	*	-26.66	-13.00	-13.66
73263.24	High	50	2Tx	QPSK	V	*	*	-26.72	-13.00	-13.72

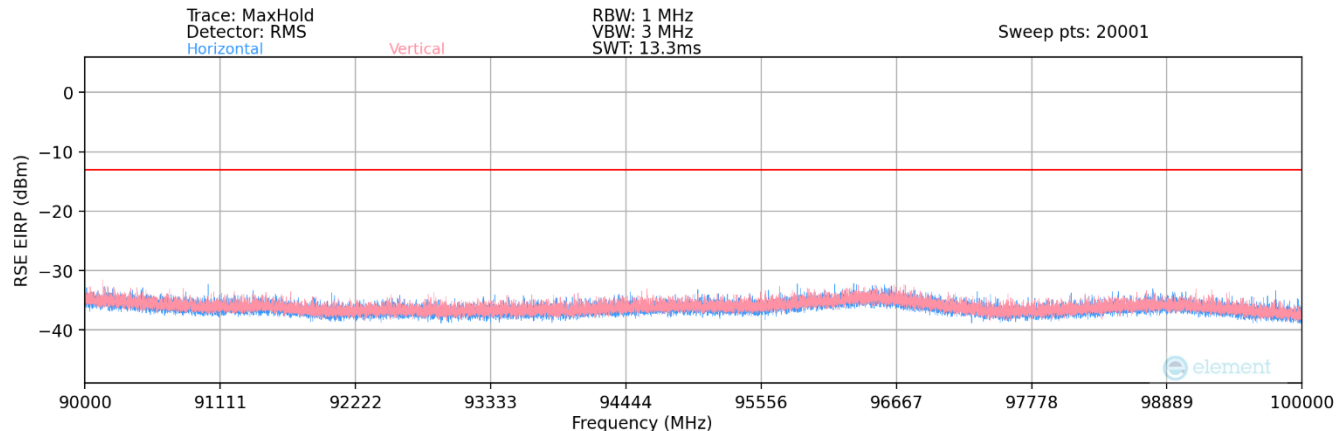
Table 7-61. Ant 2 - n258-R1 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

- 1) The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2) Rows marked with * indicate a spurious emission level that was measured using the Spherical Grid TRP Method per KDB 842590.

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90GHz - 100GHz



Plot 7-122. Ant 2 - n258-R1 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R1)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
97100.55	Low	50	2Tx	QPSK	V	-	-	-41.90	-13.00	-28.90
97408.16	Mid	50	2Tx	QPSK	V	-	-	-42.71	-13.00	-29.71
97709.46	High	50	2Tx	QPSK	V	-	-	-42.45	-13.00	-29.45

Table 7-62. Ant 2 - n258-R1 Radiated Spurious Emissions Table (90GHz - 100GHz)

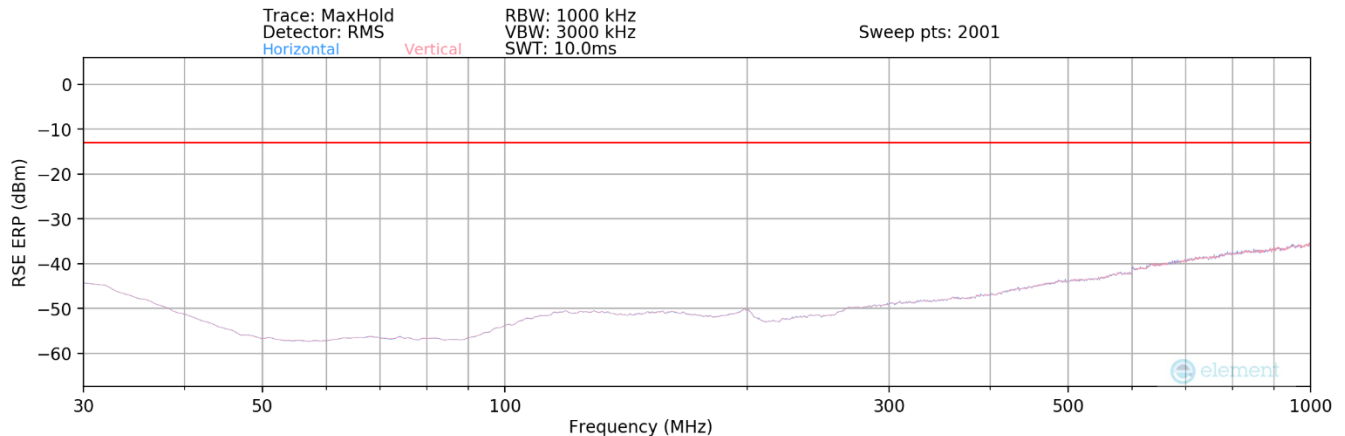
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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Band n258-R2 – Ant 1

30MHz - 1GHz



Plot 7-123. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
90.68	Low	50	2Tx	QPSK	V	-	-	-72.82	-13.00	-59.82
190.96	Mid	50	2Tx	QPSK	V	-	-	-69.71	-13.00	-56.71
495.10	High	50	2Tx	QPSK	V	-	-	-62.65	-13.00	-49.65

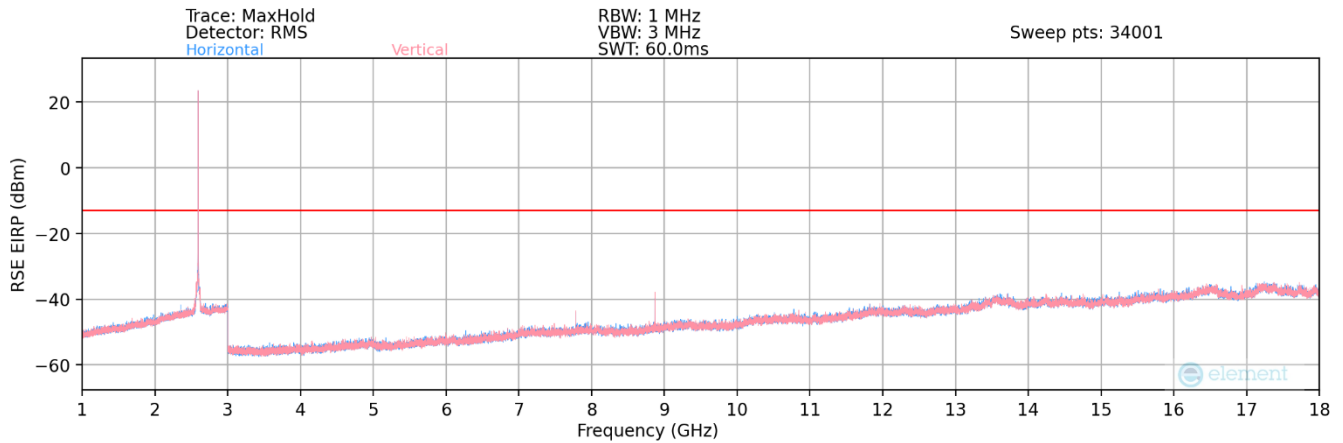
Table 7-63. Ant 1 - n258-R2 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-124. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
8847.00	Low	50	2Tx	QPSK	V	102	30	-39.22	-13.00	-26.22
7778.82	Mid	50	2Tx	QPSK	V	104	349	-49.70	-13.00	-36.70
8872.50	Mid	50	2Tx	QPSK	V	103	47	-39.28	-13.00	-26.28
8893.00	High	50	2Tx	QPSK	V	104	30	-39.05	-13.00	-26.05

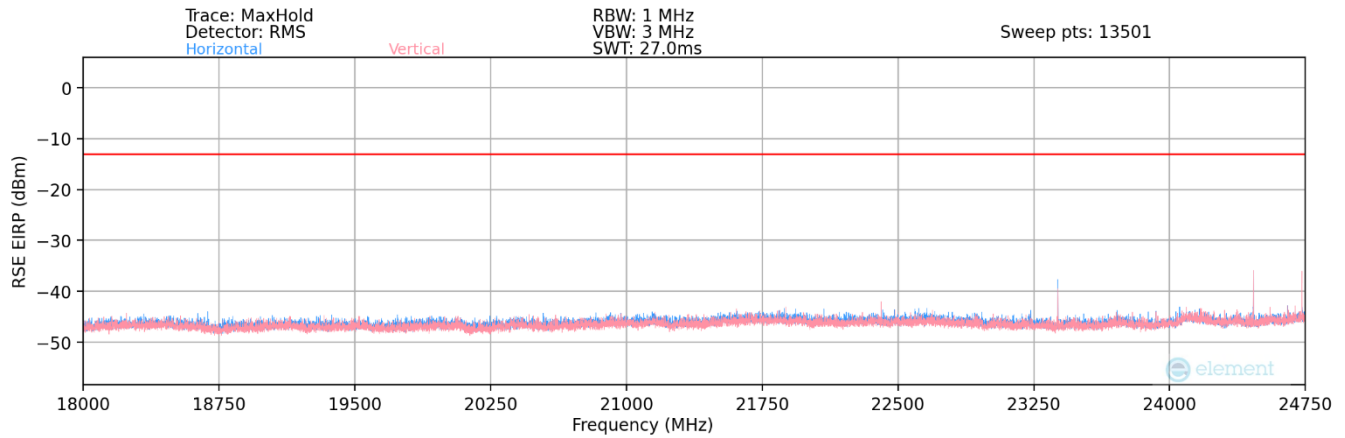
Table 7-64. Ant 1 - n258-R2 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

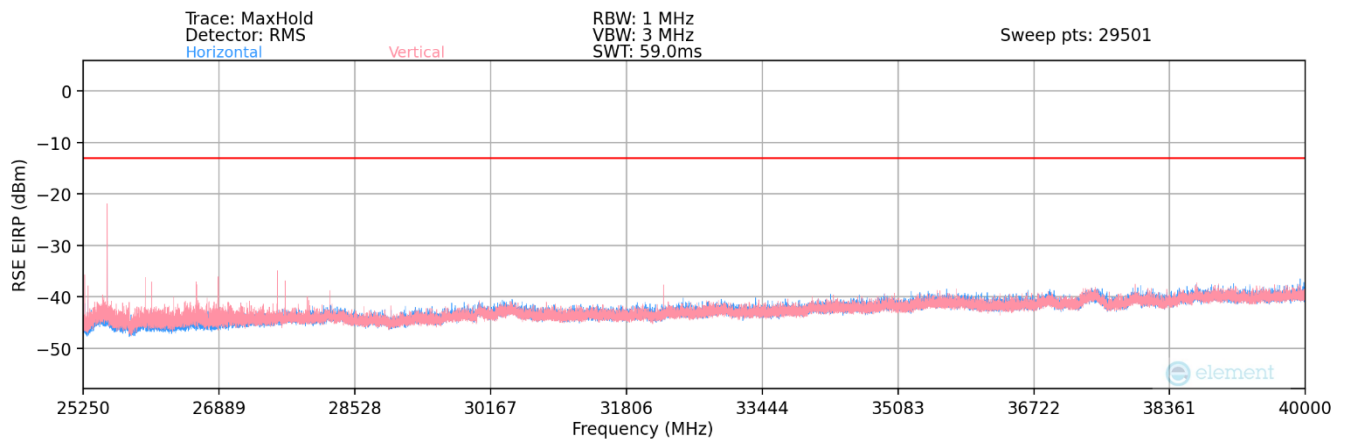
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18GHz - 24.75GHz



Plot 7-125. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

25.25GHz - 40GHz



Plot 7-126. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

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Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
22229.80	Low	50	2Tx	QPSK	V	249	300.5	-38.82	-13.00	-25.82
24206.91	Low	50	2Tx	QPSK	V	251	303.5	-32.24	-13.00	-19.24
25346.00	Low	50	2Tx	QPSK	V	252	301.7	-23.36	-13.00	-10.36
26482.53	Low	50	2Tx	QPSK	V	249	301.3	-36.35	-13.00	-23.35
23383.24	Mid	50	2Tx	QPSK	V	248	299.5	-37.16	-13.00	-24.16
24462.77	Mid	50	2Tx	QPSK	V	251	304.7	-30.77	-13.00	-17.77
24730.75	Mid	50	2Tx	QPSK	V	250	304.7	-41.01	-13.00	-28.01
25307.96	Mid	50	2Tx	QPSK	V	250	300.8	-37.62	-13.00	-24.62
25538.00	Mid	50	2Tx	QPSK	V	250	302.0	-22.61	-13.00	-9.61
27593.67	Mid	50	2Tx	QPSK	V	250	299.4	-40.49	-13.00	-27.49
23772.50	High	50	2Tx	QPSK	V	248	297.9	-36.73	-13.00	-23.73
24662.49	High	50	2Tx	QPSK	V	250	304.4	-29.56	-13.00	-16.56
25789.11	High	50	2Tx	QPSK	V	250	301.4	-23.68	-13.00	-10.68
26470.30	High	50	2Tx	QPSK	V	251	298.8	-36.16	-13.00	-23.16

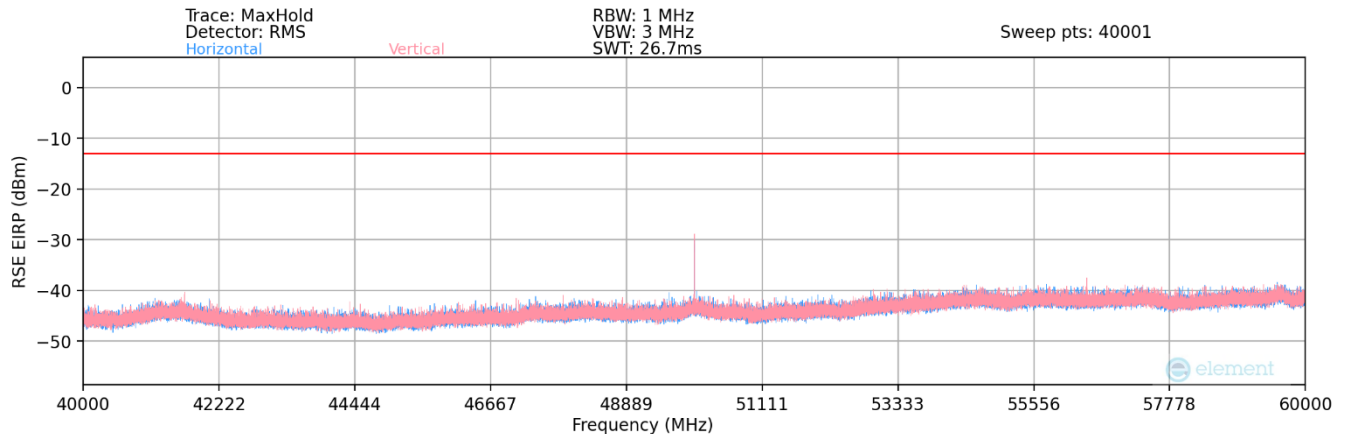
Table 7-65. Ant 1 - n258-R2 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter

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40GHz - 60GHz



Plot 7-127. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
49550.16	Low	50	2Tx	QPSK	V	304	120.5	-29.19	-13.00	-16.19
49999.92	Mid	50	2Tx	QPSK	V	228	117.3	-24.95	-13.00	-11.95
50449.92	High	50	2Tx	QPSK	V	300	118.3	-27.42	-13.00	-14.42

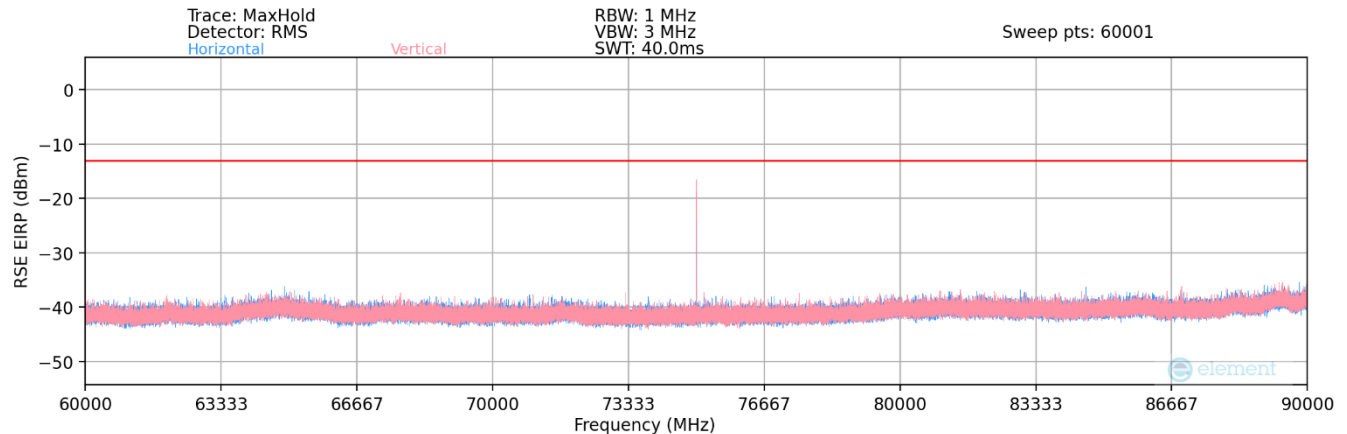
Table 7-66. Ant 1 - n258-R2 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-128. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74339.87	Low	50	2Tx	QPSK	V	*	*	-27.35	-13.00	-14.35
75014.72	Mid	50	2Tx	QPSK	V	*	*	-26.36	-13.00	-13.36
75689.40	High	50	2Tx	QPSK	V	*	*	-27.06	-13.00	-14.06

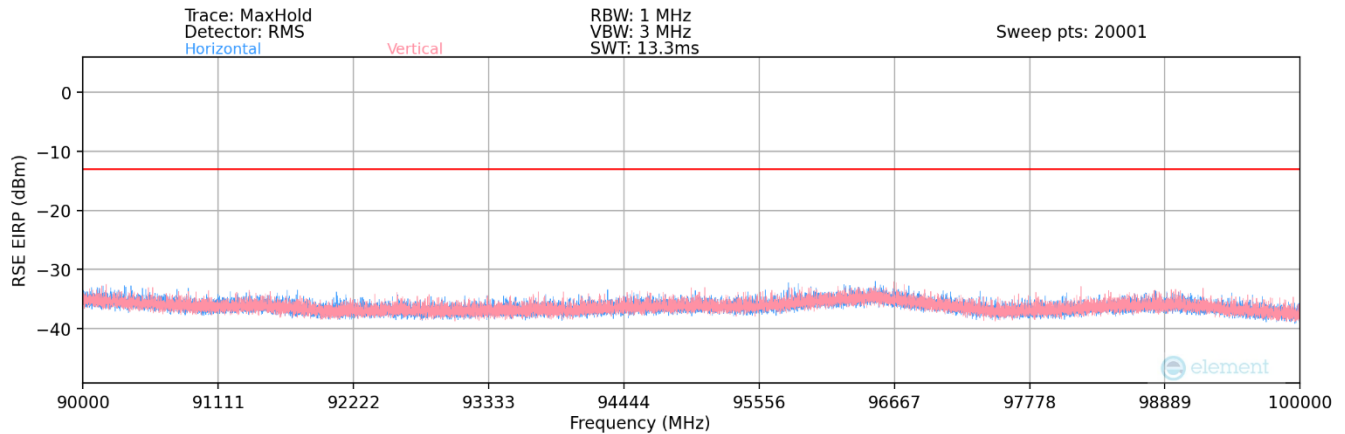
Table 7-67. Ant 1 - n258-R2 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

- 1) The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2) Rows marked with * indicate a spurious emission level that was measured using the Spherical Grid TRP Method per KDB 842590.

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90GHz - 100GHz



Plot 7-129. Ant 1 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
94857.20	Low	50	2Tx	QPSK	V	-	-	-42.55	-13.00	-29.55
95212.20	Mid	50	2Tx	QPSK	V	-	-	-41.87	-13.00	-28.87
96083.00	High	50	2Tx	QPSK	V	-	-	-41.34	-13.00	-28.34

Table 7-68. Ant 1 - n258-R2 Radiated Spurious Emissions Table (90GHz - 100GHz)

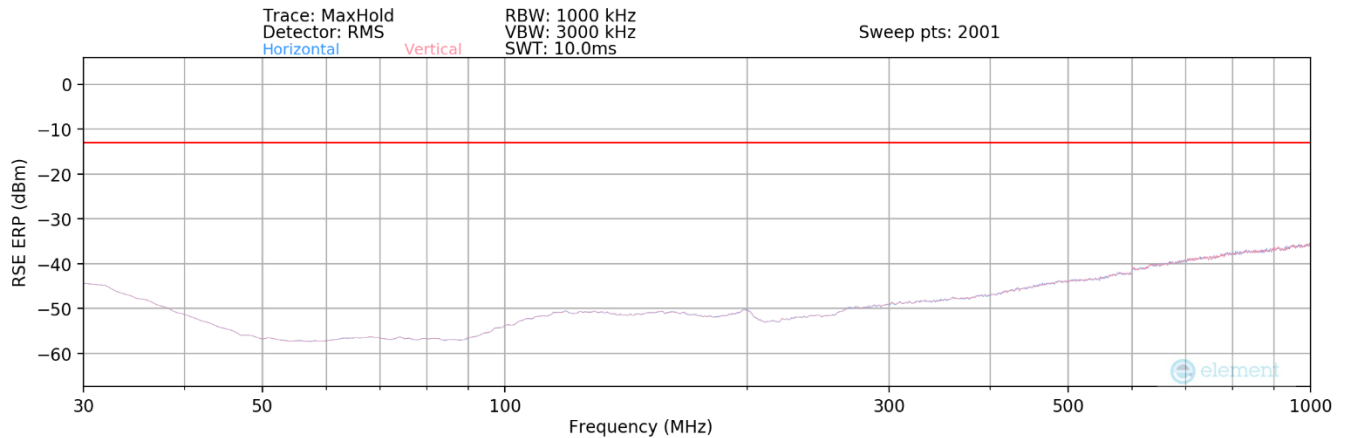
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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Band n258-R2 – Ant 2

30MHz - 1GHz



Plot 7-130. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
49.98	Low	50	2Tx	QPSK	H	-	-	-72.96	-13.00	-59.96
258.92	Mid	50	2Tx	QPSK	H	-	-	-69.31	-13.00	-56.31
695.42	High	50	2Tx	QPSK	H	-	-	-58.65	-13.00	-45.65

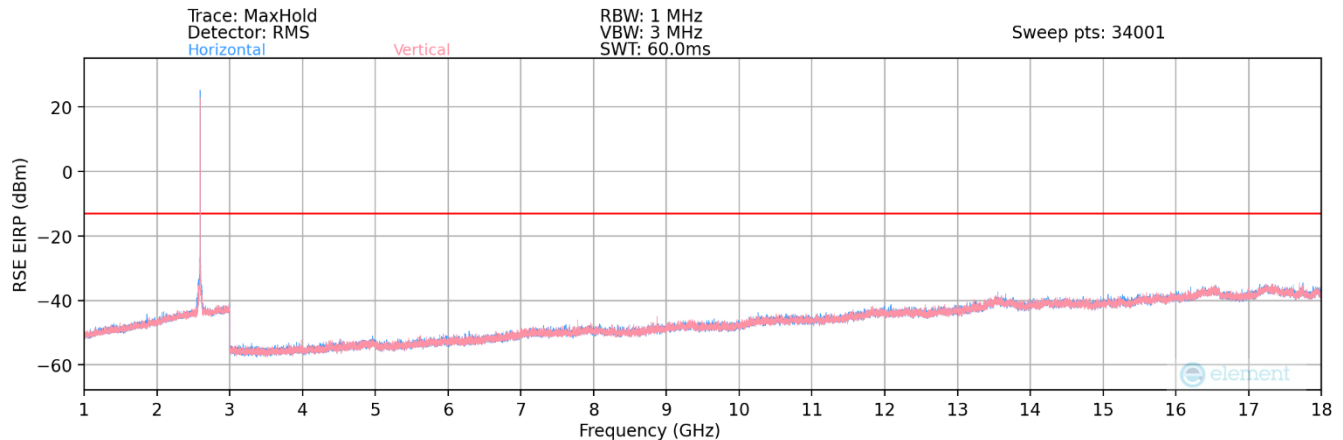
Table 7-69. Ant 2 - n258-R2 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-131. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
8846.84	Low	50	2Tx	QPSK	H	217	38	-46.04	-13.00	-33.04
7778.00	Mid	50	2Tx	QPSK	H	-	-	-55.09	-13.00	-42.09
8872.50	Mid	50	2Tx	QPSK	H	213	22	-46.46	-13.00	-33.46
8893.52	High	50	2Tx	QPSK	H	214	35	-44.99	-13.00	-31.99

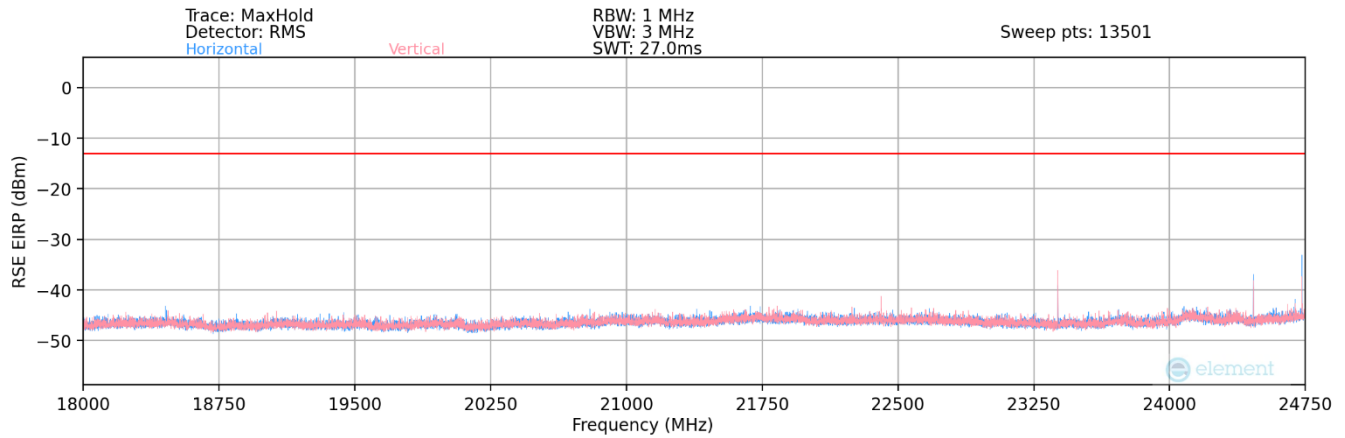
Table 7-70. Ant 2 - n258-R2 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

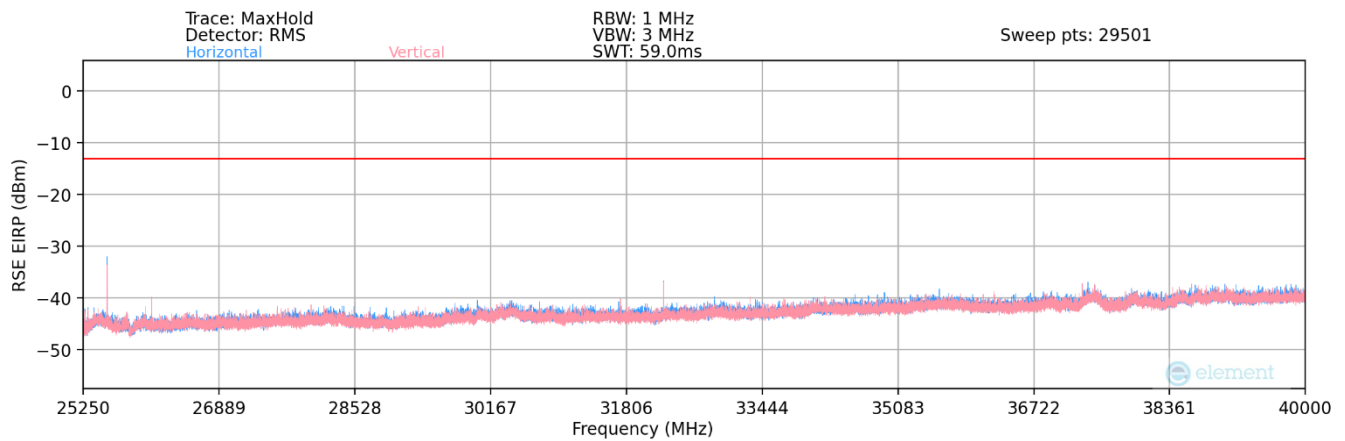
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18GHz - 24.75GHz



Plot 7-132. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

25.25GHz - 40GHz



Plot 7-133. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

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Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
23010.60	Low	50	2Tx	QPSK	H	295	239.1	-42.23	-13.00	-29.23
24206.94	Low	50	2Tx	QPSK	H	301	244.6	-34.79	-13.00	-21.79
25344.59	Low	50	2Tx	QPSK	H	299	248.1	-28.89	-13.00	-15.89
31857.63	Low	50	2Tx	QPSK	H	287	238.4	-32.94	-13.00	-19.94
23384.50	Mid	50	2Tx	QPSK	V	34	86.0	-36.21	-13.00	-23.21
24462.88	Mid	50	2Tx	QPSK	H	295	247.5	-34.16	-13.00	-21.16
24729.46	Mid	50	2Tx	QPSK	H	308	228.9	-44.30	-13.00	-31.30
25537.74	Mid	50	2Tx	QPSK	H	310	213.9	-24.19	-13.00	-11.19
32256.01	Mid	50	2Tx	QPSK	H	285	241.5	-35.70	-13.00	-22.70
23772.51	High	50	2Tx	QPSK	H	301	248.7	-36.44	-13.00	-23.44
24662.27	High	50	2Tx	QPSK	H	301	251.0	-32.75	-13.00	-19.75
25788.75	High	50	2Tx	QPSK	H	297	250.7	-27.19	-13.00	-14.19
32665.37	High	50	2Tx	QPSK	H	285	243.2	-40.78	-13.00	-27.78

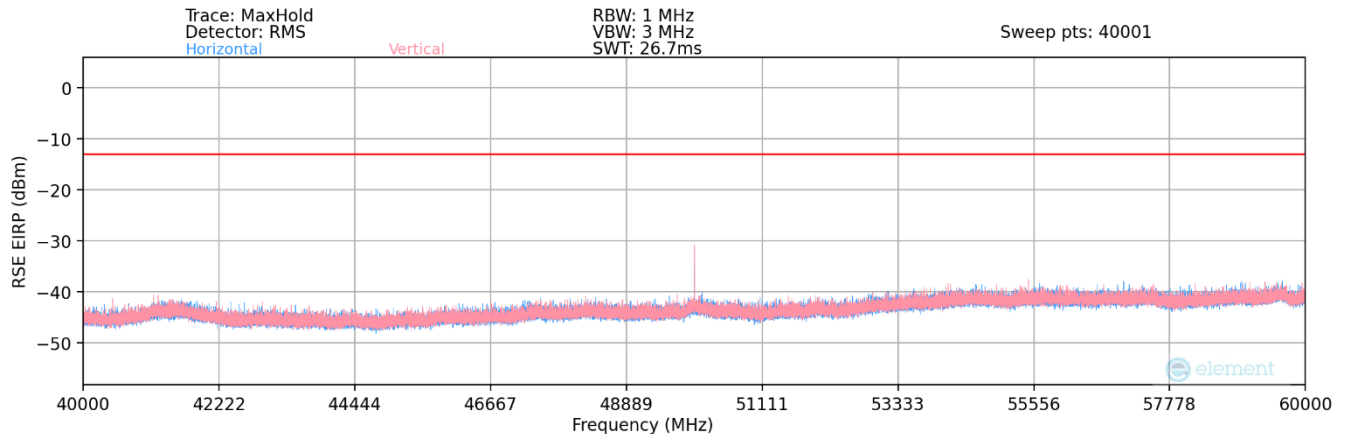
Table 7-71. Ant 2 - n258-R2 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter

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40GHz - 60GHz



Plot 7-134. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
49550.16	Low	50	2Tx	QPSK	V	308	346.3	-29.49	-13.00	-16.49
49999.92	Mid	50	2Tx	QPSK	V	308	347.0	-25.72	-13.00	-12.72
50449.92	High	50	2Tx	QPSK	V	296	345.9	-28.92	-13.00	-15.92

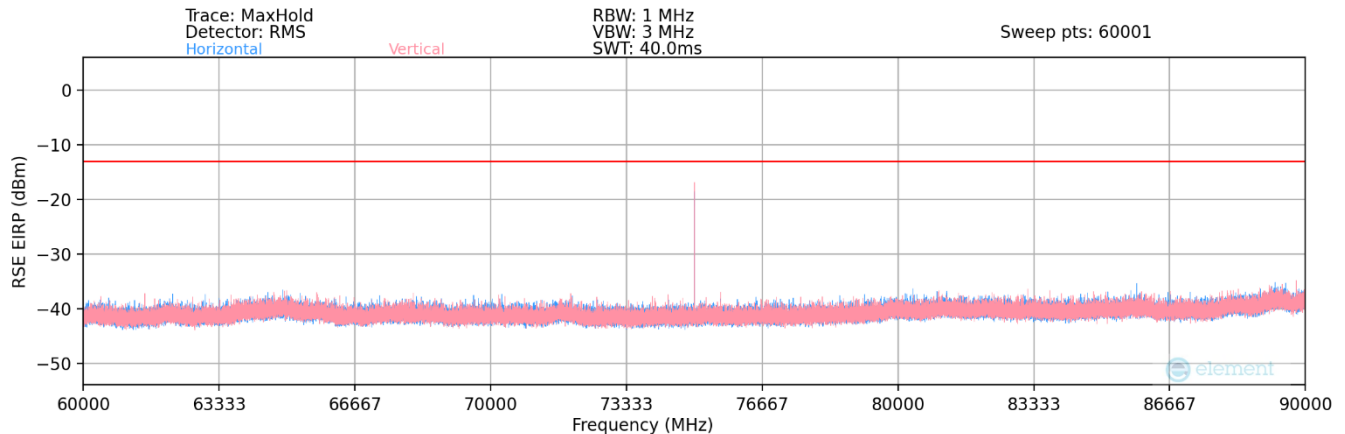
Table 7-72. Ant 2 - n258-R2 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-135. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 + \text{Harmonic Mixer Conversion Loss [dB]}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74340.21	Low	50	2Tx	QPSK	V	*	*	-26.76	-13.00	-13.76
75014.64	Mid	50	2Tx	QPSK	V	*	*	-24.27	-13.00	-11.27
75689.55	High	50	2Tx	QPSK	V	*	*	-25.01	-13.00	-12.01

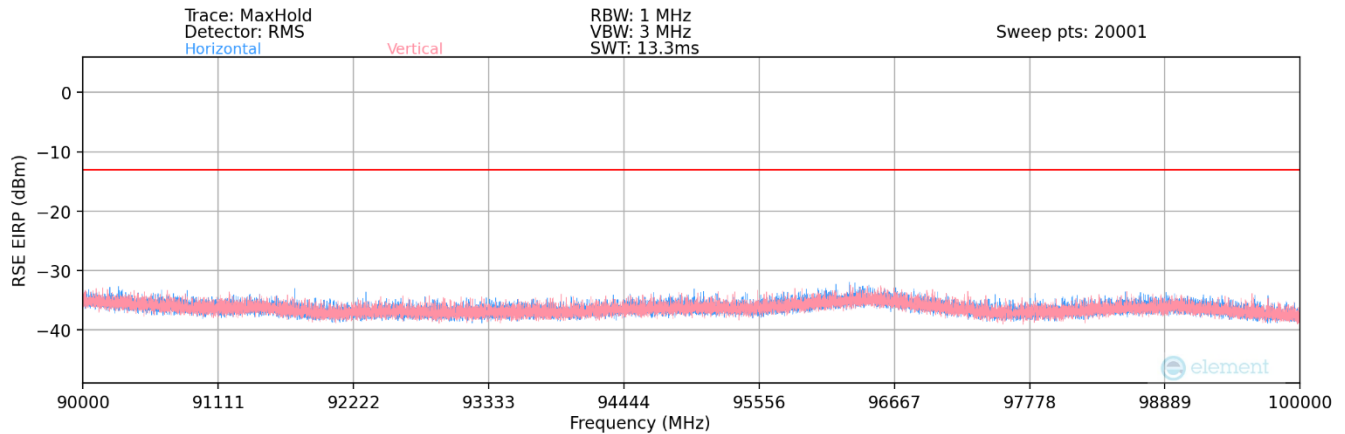
Table 7-73. Ant 2 - n258-R2 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

- 1) The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.
- 2) Rows marked with * indicate a spurious emission level that was measured using the Spherical Grid TRP Method per KDB 842590.

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90GHz - 100GHz



Plot 7-136. Ant 2 - n258-R2 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 + \text{Harmonic Mixer Conversion Loss [dB]}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
95016.00	Low	50	2Tx	QPSK	V	-	-	-42.12	-13.00	-29.12
95507.05	Mid	50	2Tx	QPSK	V	-	-	-41.89	-13.00	-28.89
96072.60	High	50	2Tx	QPSK	V	-	-	-41.64	-13.00	-28.64

Table 7-74. Ant 2 - n258-R2 Radiated Spurious Emissions Table (90GHz - 100GHz)

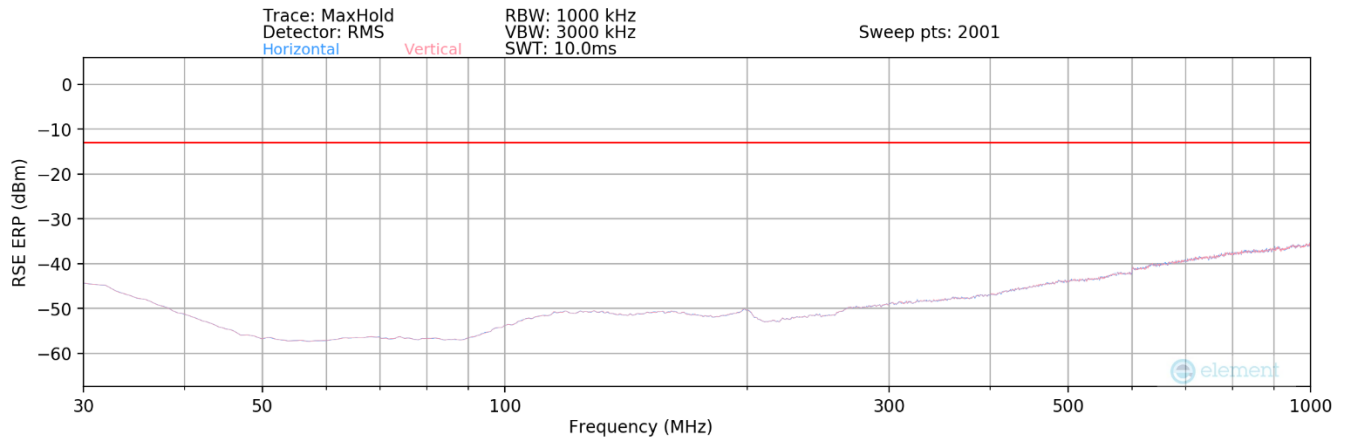
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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Band n261 – Ant 1

30MHz - 1GHz



Plot 7-137. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
49.96	Low	50	2Tx	QPSK	V	-	-	-72.98	-13.00	-59.98
319.20	Mid	50	2Tx	QPSK	V	-	-	-67.25	-13.00	-54.25
665.90	High	50	2Tx	QPSK	V	-	-	-59.08	-13.00	-46.08

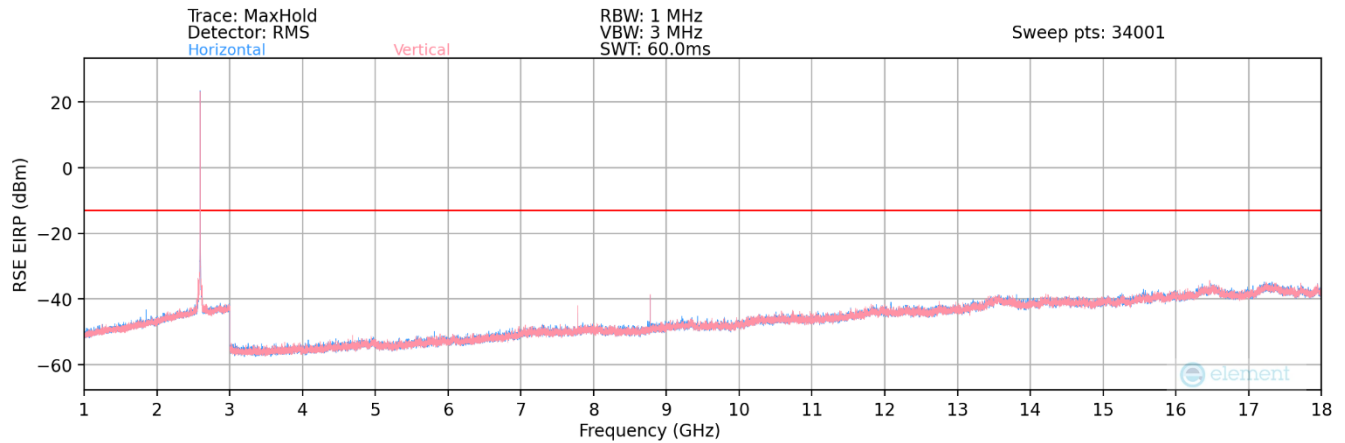
Table 7-75. Ant 1 - n261 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-138. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
9504.60	Low	50	2Tx	QPSK	V	289	17	-48.48	-13.00	-35.48
7779.09	Mid	50	2Tx	QPSK	V	114	338	-45.99	-13.00	-32.99
8776.81	Mid	50	2Tx	QPSK	V	102	29	-39.44	-13.00	-26.44
8869.54	High	50	2Tx	QPSK	V	103	28	-40.67	-13.00	-27.67

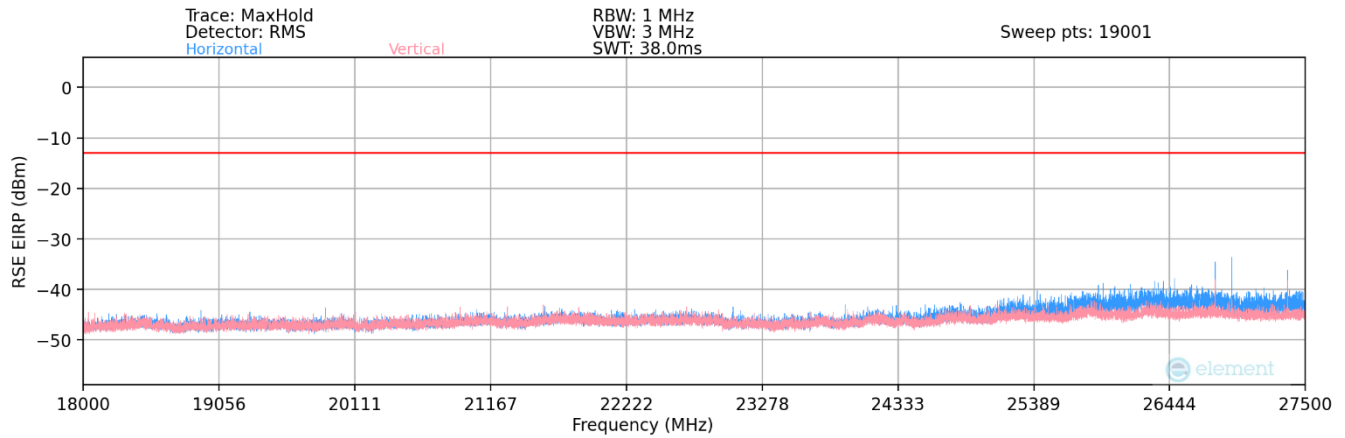
Table 7-76. Ant 1 - n261 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

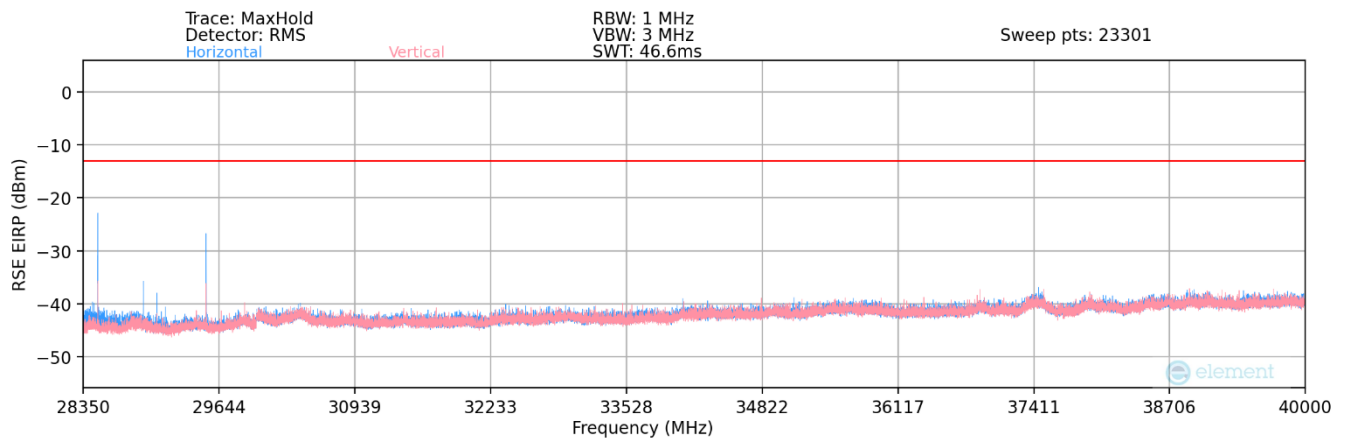
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18GHz - 27.5GHz



Plot 7-139. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

28.35GHz - 40GHz



Plot 7-140. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

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Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
26540.80	Low	50	2Tx	QPSK	H	305	288.3	-26.81	-13.00	-13.81
26962.73	Low	50	2Tx	QPSK	H	296	296.2	-32.61	-13.00	-19.61
28507.00	Low	50	2Tx	QPSK	H	290	299.4	-36.47	-13.00	-23.47
26798.86	Mid	50	2Tx	QPSK	H	249	299.9	-39.46	-13.00	-26.46
26926.64	Mid	50	2Tx	QPSK	H	253	297.9	-33.25	-13.00	-20.25
27362.30	Mid	50	2Tx	QPSK	H	255	298.0	-34.56	-13.00	-21.56
28488.74	Mid	50	2Tx	QPSK	H	320	295.1	-24.12	-13.00	-11.12
29520.55	Mid	50	2Tx	QPSK	H	253	296.9	-28.27	-13.00	-15.27
27326.54	High	50	2Tx	QPSK	H	296	295.6	-35.91	-13.00	-22.91
28632.75	High	50	2Tx	QPSK	H	296	296.3	-36.84	-13.00	-23.84
28837.54	High	50	2Tx	QPSK	H	302	300.5	-30.84	-13.00	-17.84
30042.58	High	50	2Tx	QPSK	H	292	290.9	-35.43	-13.00	-22.43

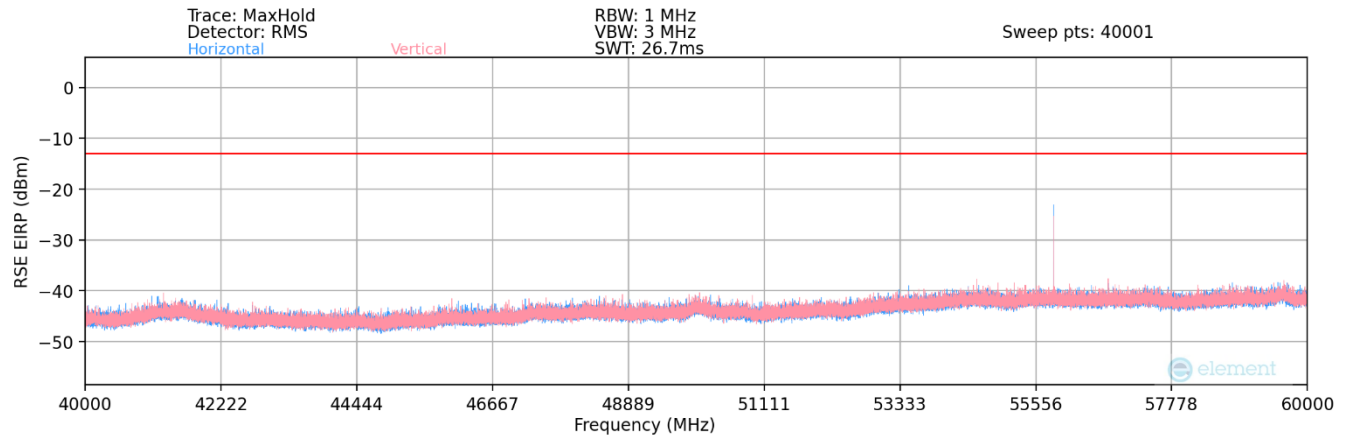
Table 7-77. Ant 1 - n261 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter

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40GHz - 60GHz



Plot 7-141. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55051.25	Low	50	2Tx	QPSK	H	250	296.1	-23.27	-13.00	-10.27
55849.92	Mid	50	2Tx	QPSK	H	251	301.0	-20.55	-13.00	-7.55
56651.32	High	50	2Tx	QPSK	H	249	299.0	-21.95	-13.00	-8.95

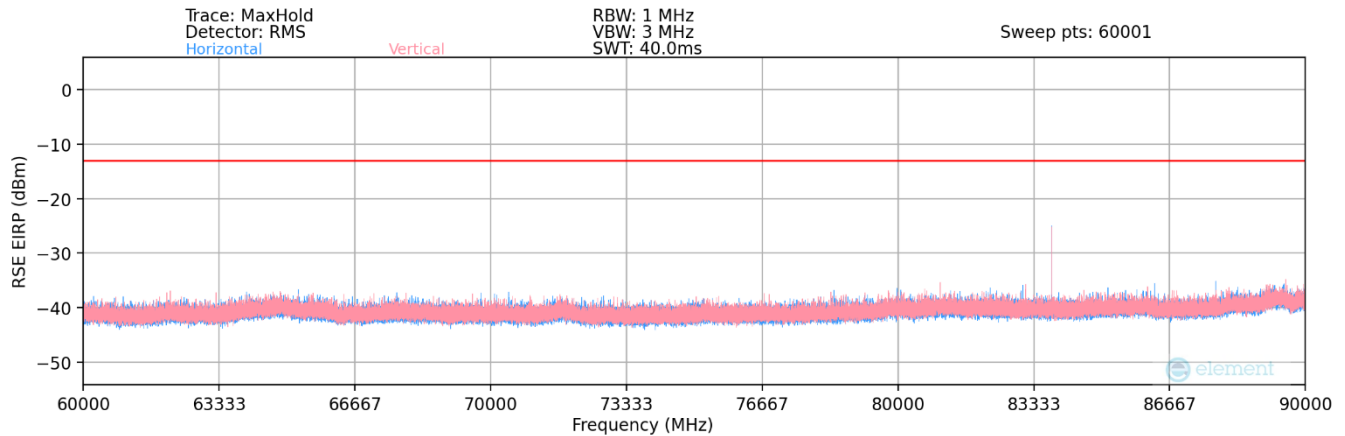
Table 7-78. Ant 1 - n261 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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60GHz - 90GHz



Plot 7-142. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
82576.56	Low	50	2Tx	QPSK	H	79	291.7	-22.54	-13.00	-9.54
83776.46	Mid	50	2Tx	QPSK	H	291	70.2	-18.99	-13.00	-5.99
84976.11	High	50	2Tx	QPSK	H	293	66.1	-18.10	-13.00	-5.10

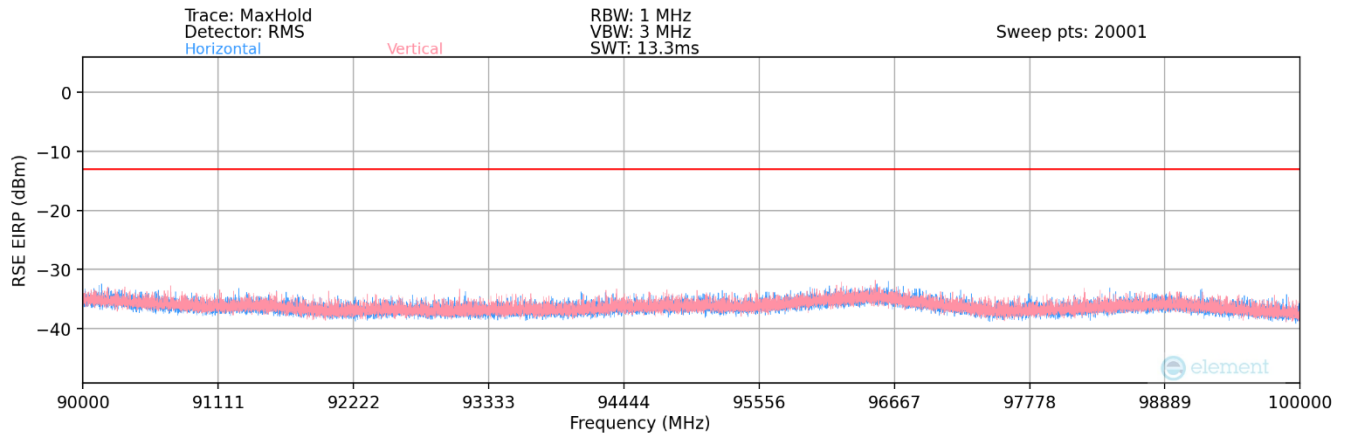
Table 7-79. Ant 1 - n261 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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90GHz - 100GHz



Plot 7-143. Ant 1 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
94393.50	Low	50	2Tx	QPSK	H	-	-	-42.38	-13.00	-29.38
95416.25	Mid	50	2Tx	QPSK	H	-	-	-40.29	-13.00	-27.29
96404.00	High	50	2Tx	QPSK	H	-	-	-40.50	-13.00	-27.50

Table 7-80. Ant 1 - n261 Radiated Spurious Emissions Table (90GHz - 100GHz)

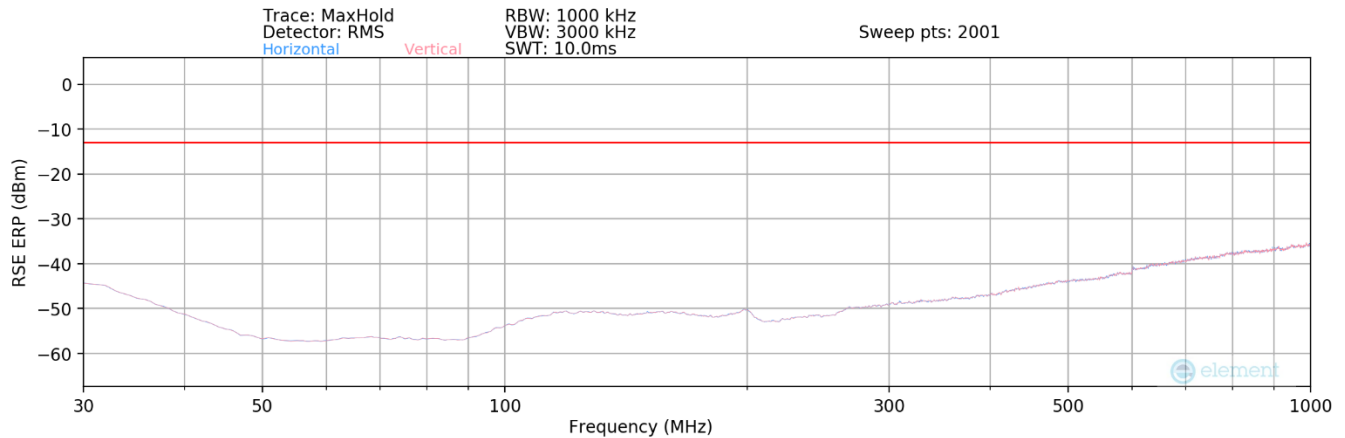
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Band n261 – Ant 2

30MHz - 1GHz



Plot 7-144. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
362.42	Low	50	2Tx	QPSK	H	-	-	-66.22	-13.00	-53.22
603.32	Mid	50	2Tx	QPSK	H	-	-	-60.23	-13.00	-47.23
853.74	High	50	2Tx	QPSK	H	-	-	-56.53	-13.00	-43.53

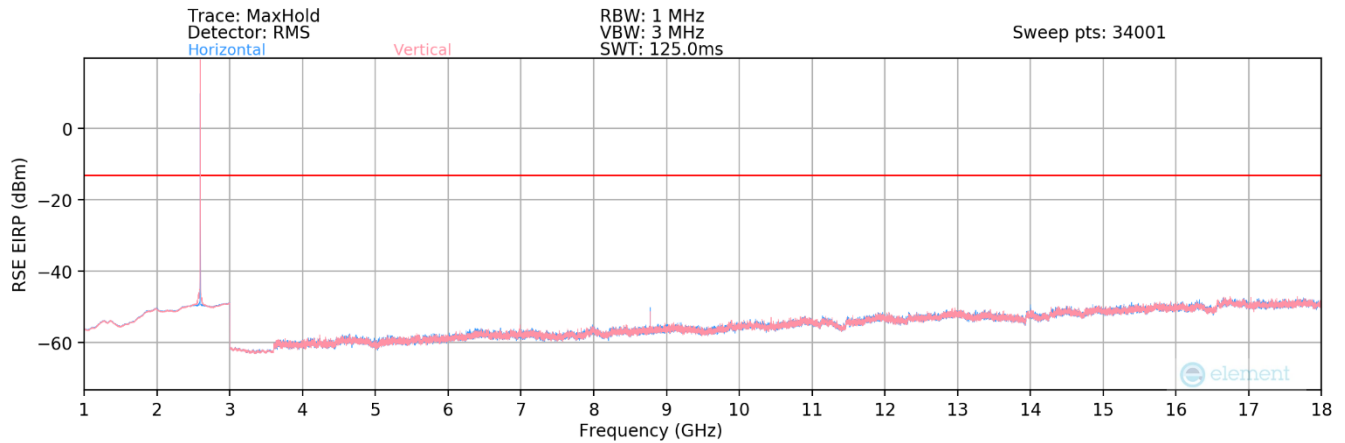
Table 7-81. Ant 2 - n261 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-145. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
9503.06	Low	50	2Tx	QPSK	H	205	28	-41.89	-13.00	-28.89
8777.00	Mid	50	2Tx	QPSK	H	211	40	-46.51	-13.00	-33.51
8869.40	High	50	2Tx	QPSK	H	217	34	-44.45	-13.00	-31.45

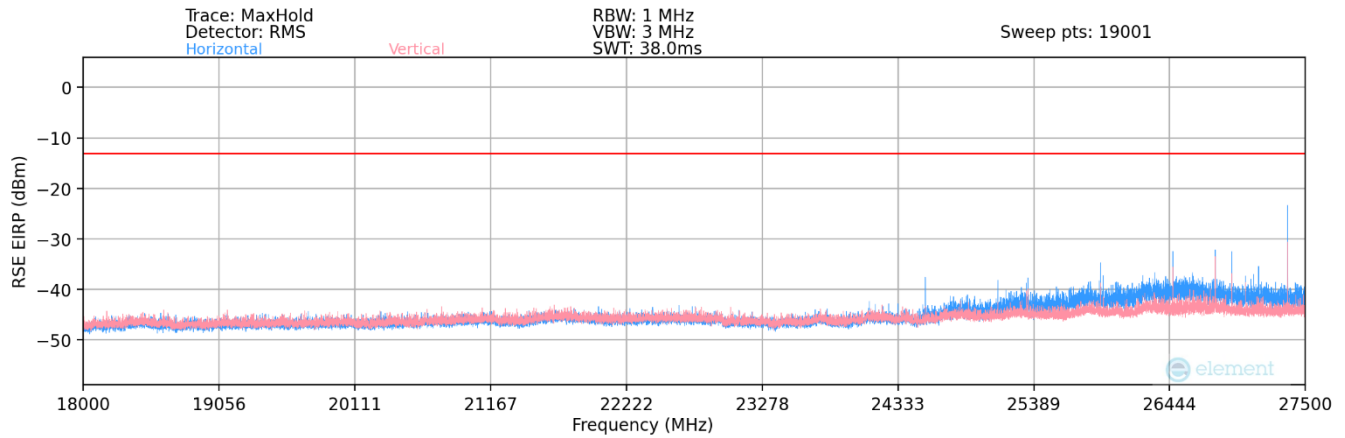
Table 7-82. Ant 2 - n261 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

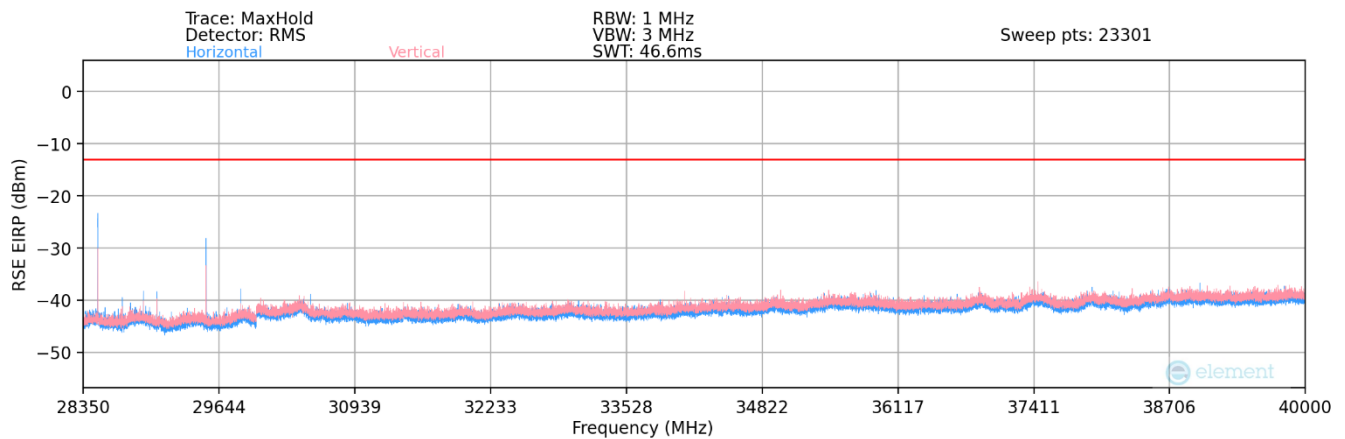
FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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18GHz - 27.5GHz



Plot 7-146. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

28.35GHz - 40GHz



Plot 7-147. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

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Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
26541.12	Low	50	2Tx	QPSK	H	77	40.6	-24.56	-13.00	-11.56
26963.80	Low	50	2Tx	QPSK	H	77	25.2	-24.42	-13.00	-11.42
27220.00	Low	50	2Tx	QPSK	H	75	33.1	-35.63	-13.00	-22.63
28509.57	Low	50	2Tx	QPSK	H	75	40.9	-38.20	-13.00	-25.20
26470.30	Mid	50	2Tx	QPSK	H	75	49.0	-34.68	-13.00	-21.68
26799.29	Mid	50	2Tx	QPSK	H	69	50.7	-35.01	-13.00	-22.01
26926.78	Mid	50	2Tx	QPSK	H	73	39.7	-35.00	-13.00	-22.00
27362.26	Mid	50	2Tx	QPSK	H	75	24.7	-24.17	-13.00	-11.17
28488.24	Mid	50	2Tx	QPSK	H	77	23.4	-26.57	-13.00	-13.57
29520.70	Mid	50	2Tx	QPSK	H	78	25.7	-24.87	-13.00	-11.87
24741.71	High	50	2Tx	QPSK	H	74	43.1	-34.83	-13.00	-21.83
26111.76	High	50	2Tx	QPSK	H	74	25.1	-34.91	-13.00	-21.91
27135.76	High	50	2Tx	QPSK	H	76	25.1	-28.84	-13.00	-15.84
28632.69	High	50	2Tx	QPSK	H	78	24.2	-36.28	-13.00	-23.28
28837.61	High	50	2Tx	QPSK	H	77	23.8	-24.54	-13.00	-11.54
30041.92	High	50	2Tx	QPSK	H	77	24.2	-27.85	-13.00	-14.85

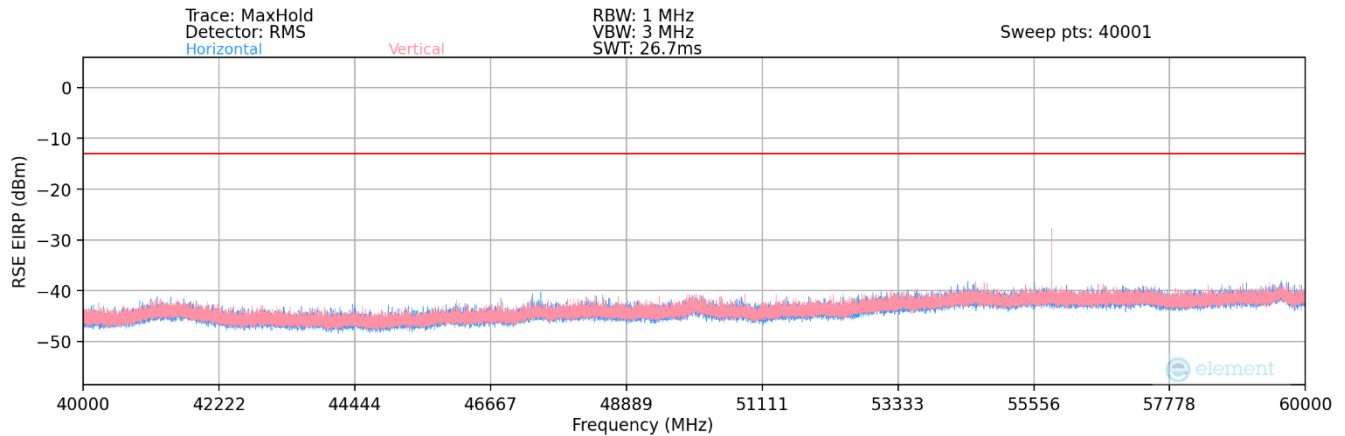
Table 7-83. Ant 2 - n261 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter

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40GHz - 60GHz



Plot 7-148. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55051.25	Low	50	2Tx	QPSK	H	33	94.8	-24.78	-13.00	-11.78
55849.92	Mid	50	2Tx	QPSK	H	27	98.2	-24.68	-13.00	-11.68
56651.32	High	50	2Tx	QPSK	H	27	94.0	-26.94	-13.00	-13.94

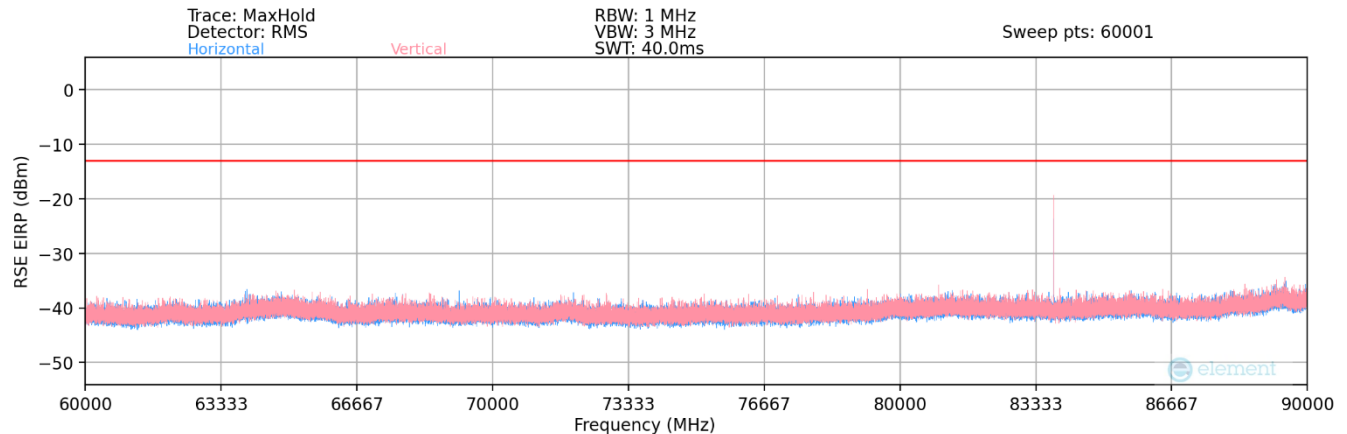
Table 7-84. Ant 2 - n261 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-149. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
82576.56	Low	50	2Tx	QPSK	V	5	258.5	-21.36	-13.00	-8.36
83789.06	Mid	50	2Tx	QPSK	V	17	261.4	-19.89	-13.00	-6.89
84976.29	High	50	2Tx	QPSK	V	353	261.0	-19.79	-13.00	-6.79

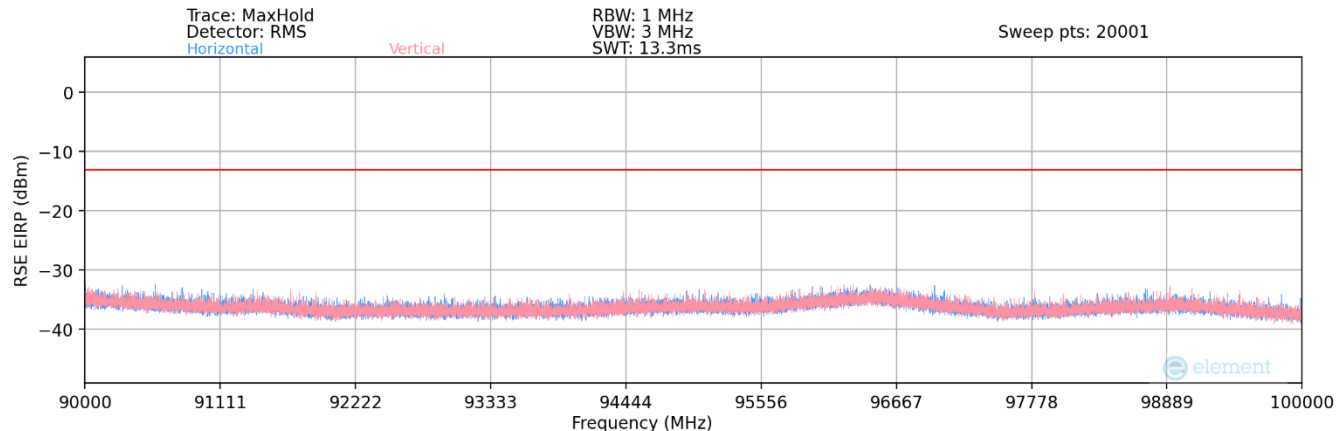
Table 7-85. Ant 2 - n261 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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90GHz - 100GHz



Plot 7-150. Ant 2 - n261 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
94418.18	Low	50	2Tx	QPSK	H	-	-	-42.08	-13.00	-29.08
95245.74	Mid	50	2Tx	QPSK	H	-	-	-41.84	-13.00	-28.84
95986.68	High	50	2Tx	QPSK	H	-	-	-40.91	-13.00	-27.91

Table 7-86. Ant 2 - n261 Radiated Spurious Emissions Table (90GHz - 100GHz)

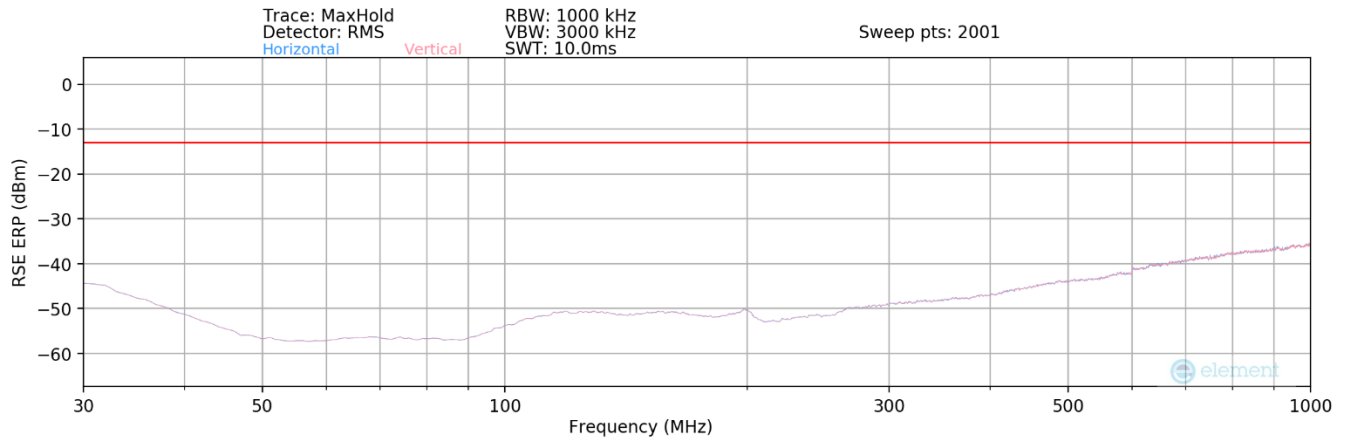
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Band n260 – Ant 1

30MHz - 1GHz



Plot 7-151. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
324.98	Low	50	2Tx	QPSK	V	-	-	-66.94	-13.00	-53.94
318.30	Mid	50	2Tx	QPSK	V	-	-	-67.17	-13.00	-54.17
549.20	High	50	2Tx	QPSK	V	-	-	-61.99	-13.00	-48.99

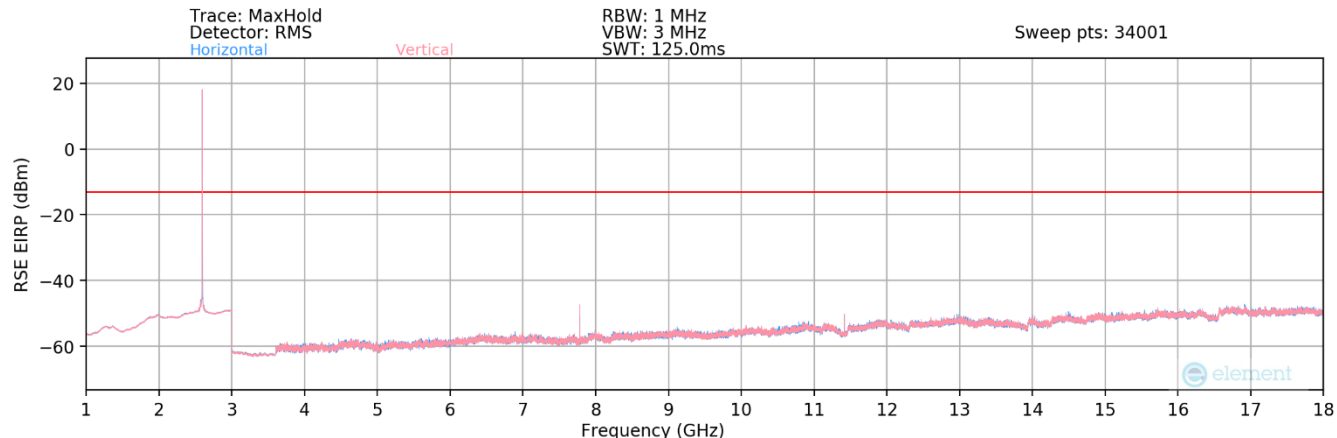
Table 7-87. Ant 1 - n260 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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1GHz - 18GHz



Plot 7-152. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
11221.06	Low	50	2Tx	QPSK	V	393	36	-43.23	-13.00	-30.23
7778.84	Mid	50	2Tx	QPSK	V	129	295	-49.70	-13.00	-36.70
11415.50	Mid	50	2Tx	QPSK	V	281	53	-41.62	-13.00	-28.62
11713.36	High	50	2Tx	QPSK	V	386	30	-41.07	-13.00	-28.07

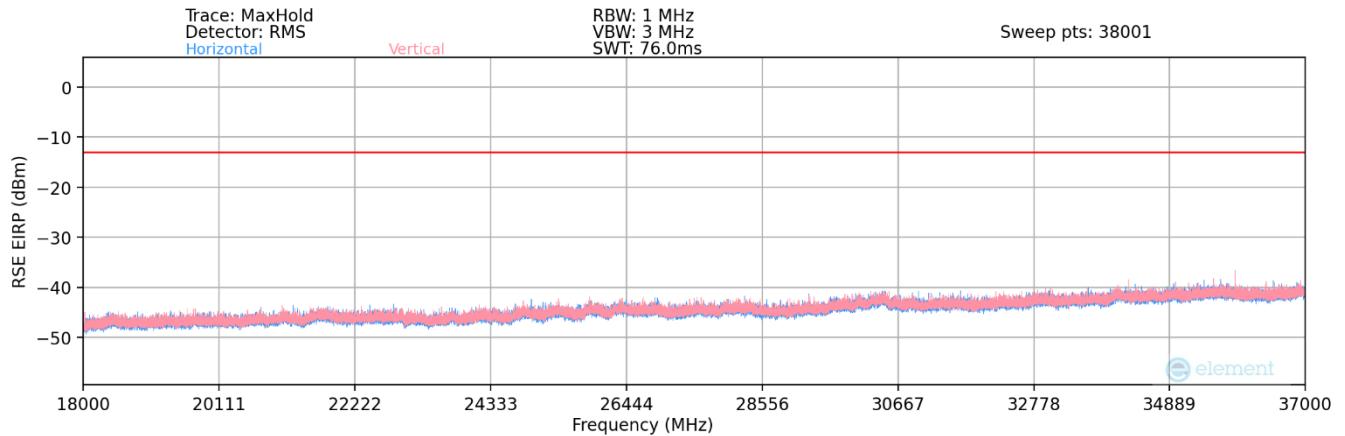
Table 7-88. Ant 1 - n260 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

FCC ID: A3LSMS918U	PART 30 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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18GHz - 37GHz



Plot 7-153. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
34478.00	Low	50	2Tx	QPSK	V	239	242.5	-40.73	-13.00	-27.73
36489.00	Low	50	2Tx	QPSK	V	232	252.6	-41.36	-13.00	-28.36
34246.97	Mid	50	2Tx	QPSK	V	239	258.0	-40.03	-13.00	-27.03
35907.28	Mid	50	2Tx	QPSK	V	243	264.5	-36.44	-13.00	-23.44
35140.41	High	50	2Tx	QPSK	V	229	267.2	-40.54	-13.00	-27.54
36443.10	High	50	2Tx	QPSK	V	230	252.2	-42.85	-13.00	-29.85

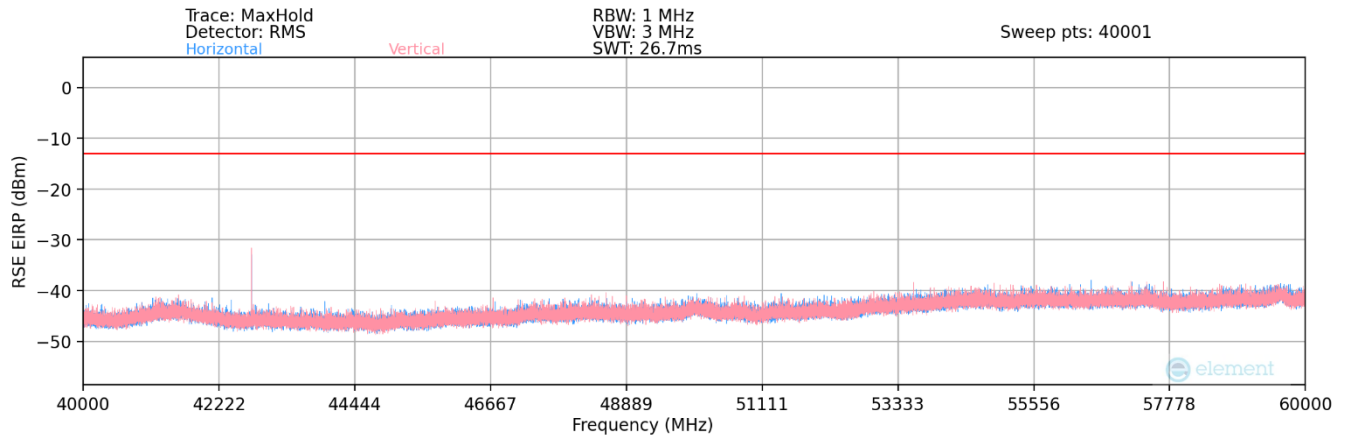
Table 7-89. Ant 1 - n260 Radiated Spurious Emissions Table (18GHz - 37GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter.

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40GHz - 60GHz



Plot 7-154. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
40388.54	Low	50	2Tx	QPSK	V	351	159.7	-32.94	-13.00	-19.94
42753.60	Mid	50	2Tx	QPSK	V	237	81.8	-24.08	-13.00	-11.08
55341.02	Mid	50	2Tx	QPSK	V	-	-	-44.61	-13.00	-31.61
44811.19	High	50	2Tx	QPSK	V	243	62.9	-24.48	-13.00	-11.48

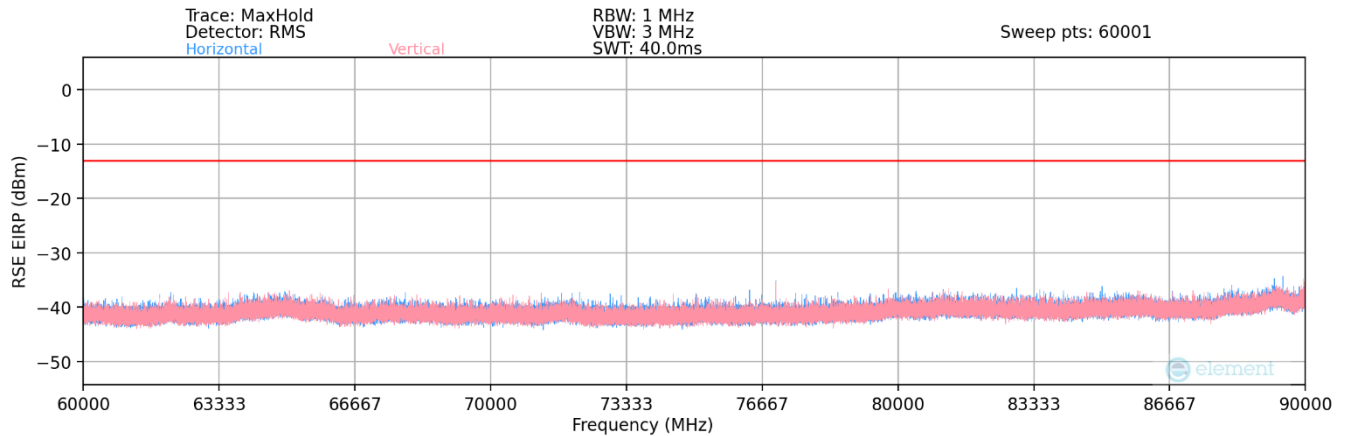
Table 7-90. Ant 1 - n260 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-155. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74051.97	Low	50	2Tx	QPSK	H	102	27.1	-40.65	-13.00	-27.65
77001.39	Mid	50	2Tx	QPSK	H	86	319.3	-38.55	-13.00	-25.55
79951.50	High	50	2Tx	QPSK	H	-	-	-45.28	-13.00	-32.28

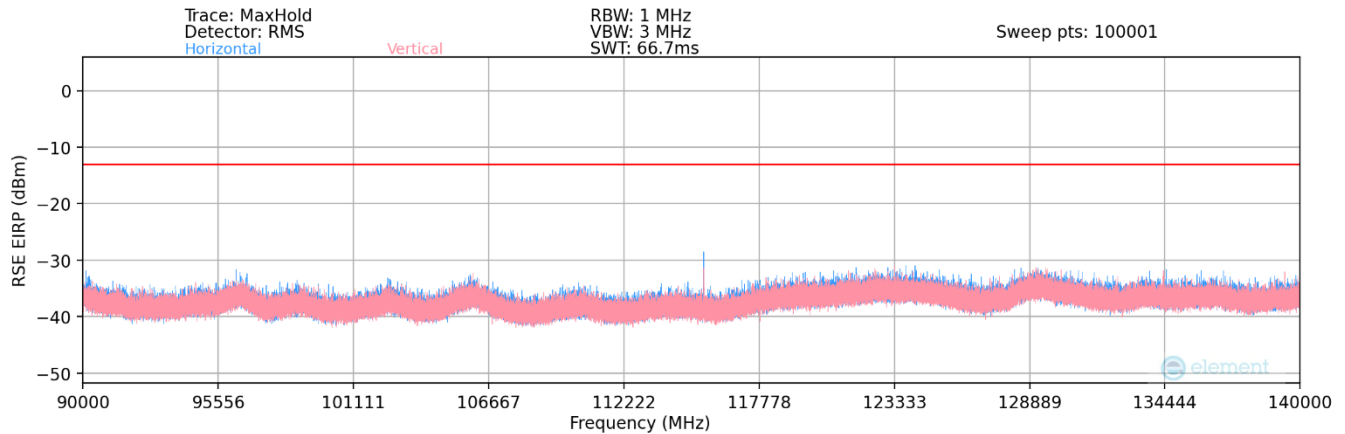
Table 7-91. Ant 1 - n260 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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90GHz - 140GHz



Plot 7-156. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
111076.92	Low	50	2Tx	QPSK	H	283	230.6	-23.69	-13.00	-10.69
115502.33	Mid	50	2Tx	QPSK	H	248	243.7	-25.23	-13.00	-12.23
119926.68	High	50	2Tx	QPSK	H	338	264.9	-29.31	-13.00	-16.31

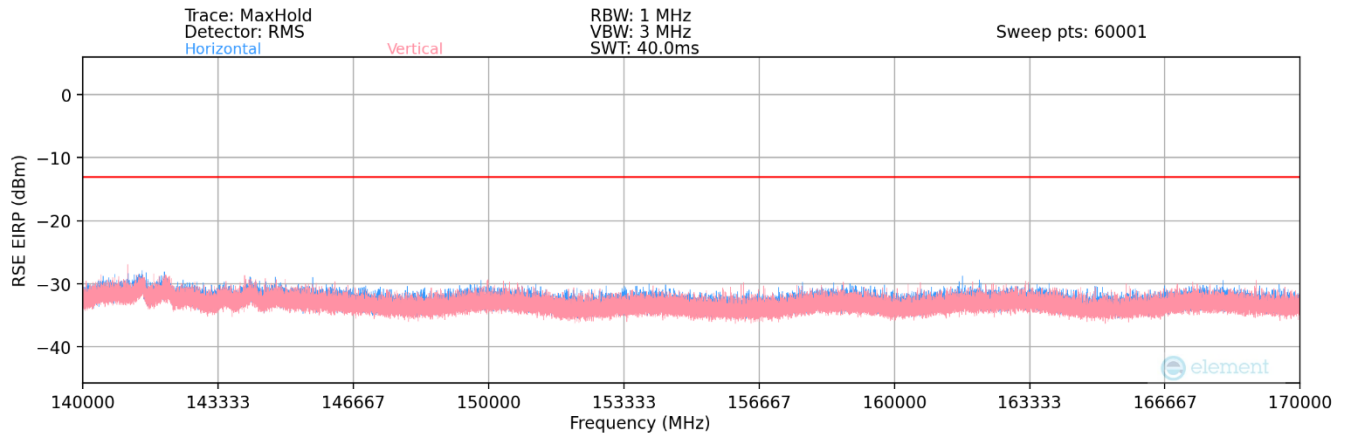
Table 7-92. Ant 1 - n260 Radiated Spurious Emissions Table (90GHz - 140GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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140GHz - 170GHz



Plot 7-157. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 + \text{Harmonic Mixer Conversion Loss [dB]}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
148102.56	Low	50	2Tx	QPSK	H	-	-	-38.82	-13.00	-25.82
141114.08	Mid	50	2Tx	QPSK	H	-	-	-34.05	-13.00	-21.05
154007.34	Mid	50	2Tx	QPSK	H	-	-	-38.65	-13.00	-25.65
159903.00	High	50	2Tx	QPSK	H	-	-	-39.01	-13.00	-26.01

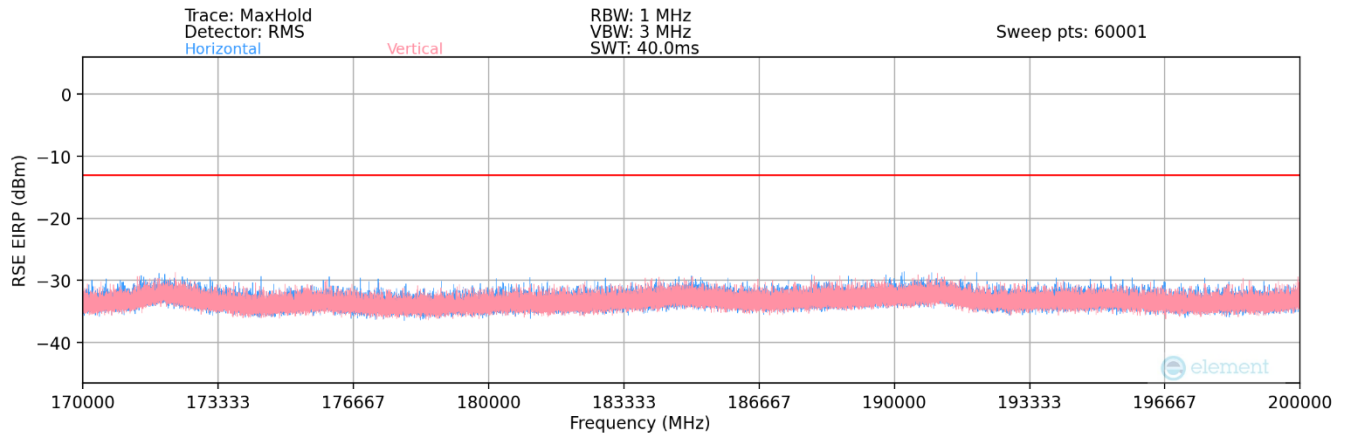
Table 7-93. Ant 1 - n260 Radiated Spurious Emissions Table (140GHz - 170GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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170GHz - 200GHz



Plot 7-158. Ant 1 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
185128.20	Low	50	2Tx	QPSK	H	-	-	-37.67	-13.00	-24.67
192504.68	Mid	50	2Tx	QPSK	H	-	-	-38.43	-13.00	-25.43
199893.60	High	50	2Tx	QPSK	H	-	-	-38.15	-13.00	-25.15

Table 7-94. Ant 1 - n260 Radiated Spurious Emissions Table (170GHz - 200GHz)

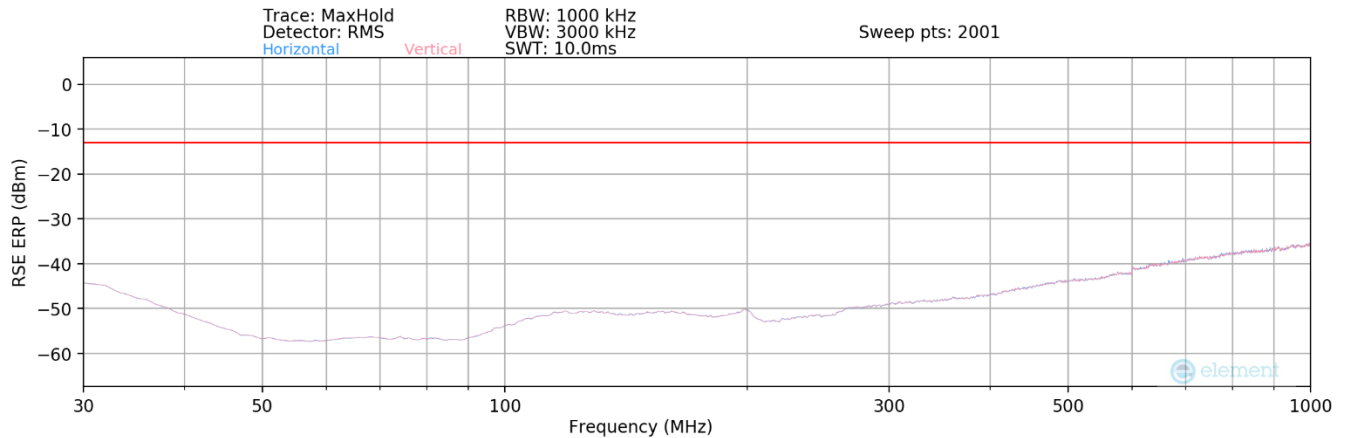
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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Band n260 – Ant 2

30MHz - 1GHz



Plot 7-159. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions ERP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
50.06	Low	50	2Tx	QPSK	V	-	-	-72.93	-13.00	-59.93
122.44	Mid	50	2Tx	QPSK	V	-	-	-69.26	-13.00	-56.26
343.64	High	50	2Tx	QPSK	V	-	-	-66.90	-13.00	-53.90

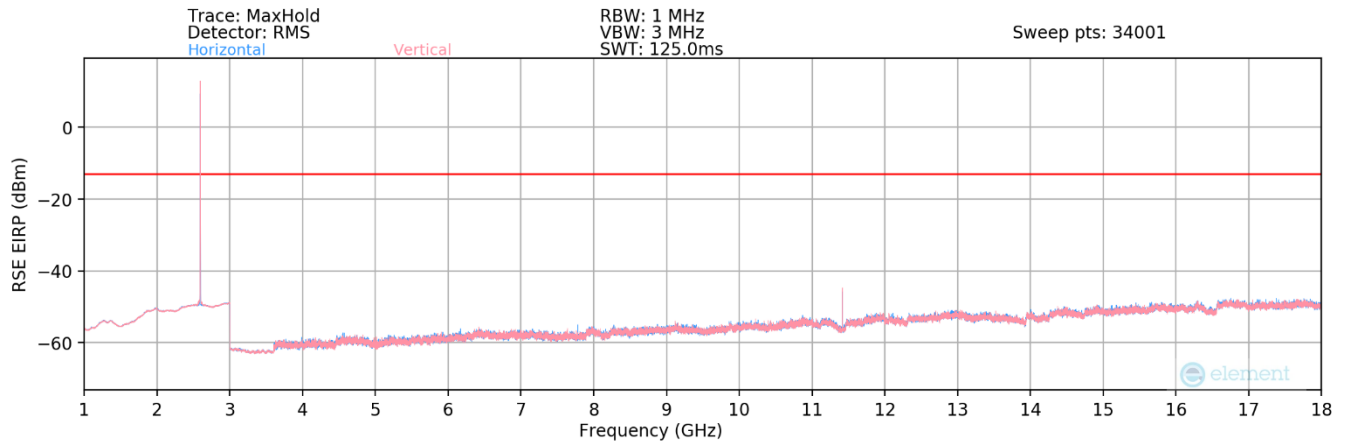
Table 7-95. Ant 2 - n260 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-160. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
11221.00	Low	50	2Tx	QPSK	V	126	16	-38.34	-13.00	-25.34
11415.50	Mid	50	2Tx	QPSK	V	125	20	-38.78	-13.00	-25.78
11713.48	High	50	2Tx	QPSK	V	137	25	-40.94	-13.00	-27.94

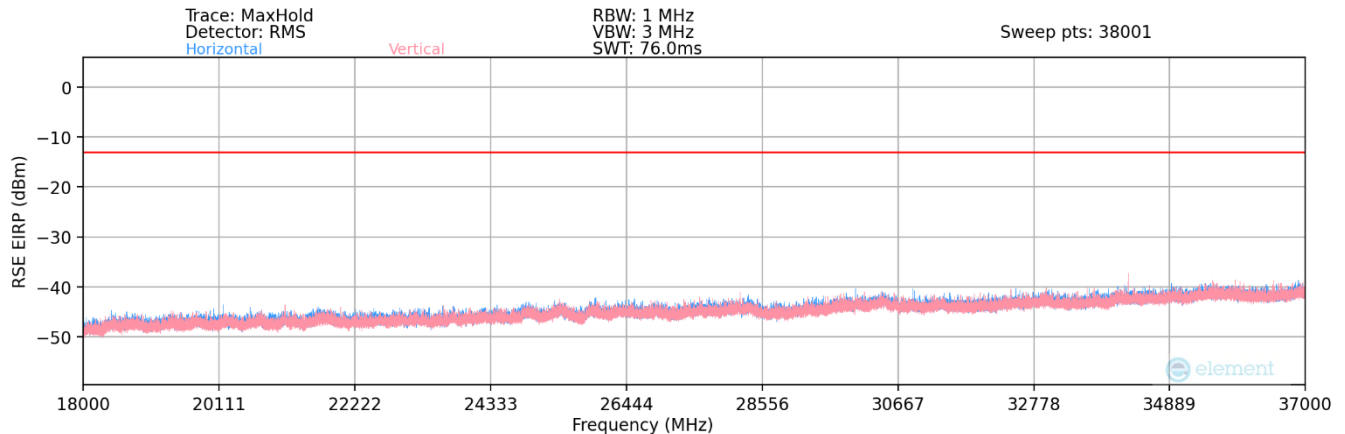
Table 7-96. Ant 2 - n260 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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18GHz - 37GHz



Plot 7-161. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
36487.87	Low	50	2Tx	QPSK	V	347	106.0	-38.62	-13.00	-25.62
36718.48	Low	50	2Tx	QPSK	V	357	104.0	-41.56	-13.00	-28.56
34247.77	Mid	50	2Tx	QPSK	V	1	98.7	-41.03	-13.00	-28.03
36497.00	Mid	50	2Tx	QPSK	V	353	108.3	-40.64	-13.00	-27.64
35149.00	High	50	2Tx	QPSK	V	343	105.5	-37.14	-13.00	-24.14
36442.66	High	50	2Tx	QPSK	V	345	106.2	-40.23	-13.00	-27.23

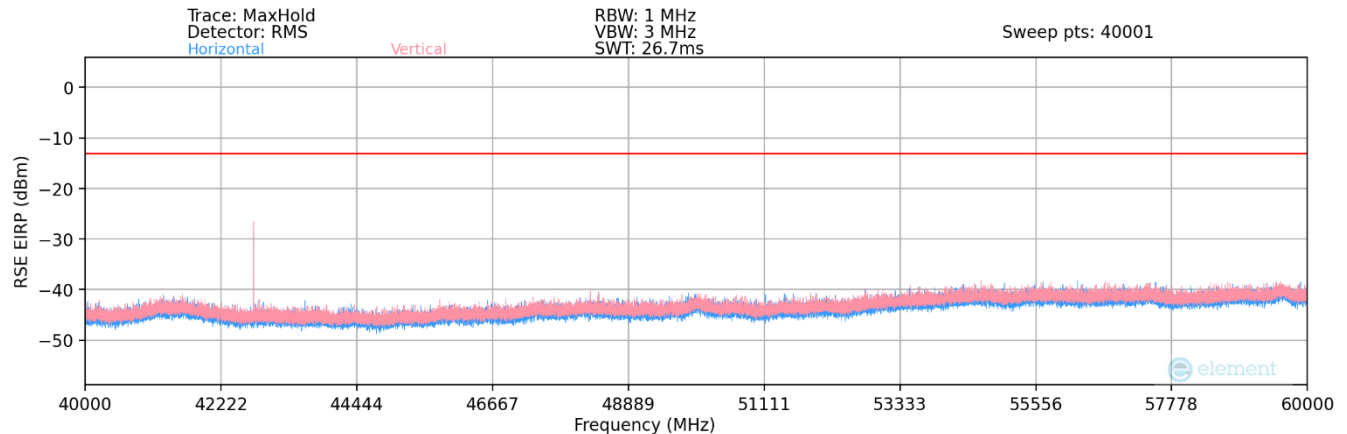
Table 7-97. Ant 2 - n260 Radiated Spurious Emissions Table (18GHz - 37GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 1 meter.

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40GHz - 60GHz



Plot 7-162. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
40388.54	Low	50	2Tx	QPSK	V	305	165.7	-22.17	-13.00	-9.17
42753.60	Mid	50	2Tx	QPSK	V	312	140.6	-21.48	-13.00	-8.48
44811.19	High	50	2Tx	QPSK	V	325	159.6	-25.36	-13.00	-12.36

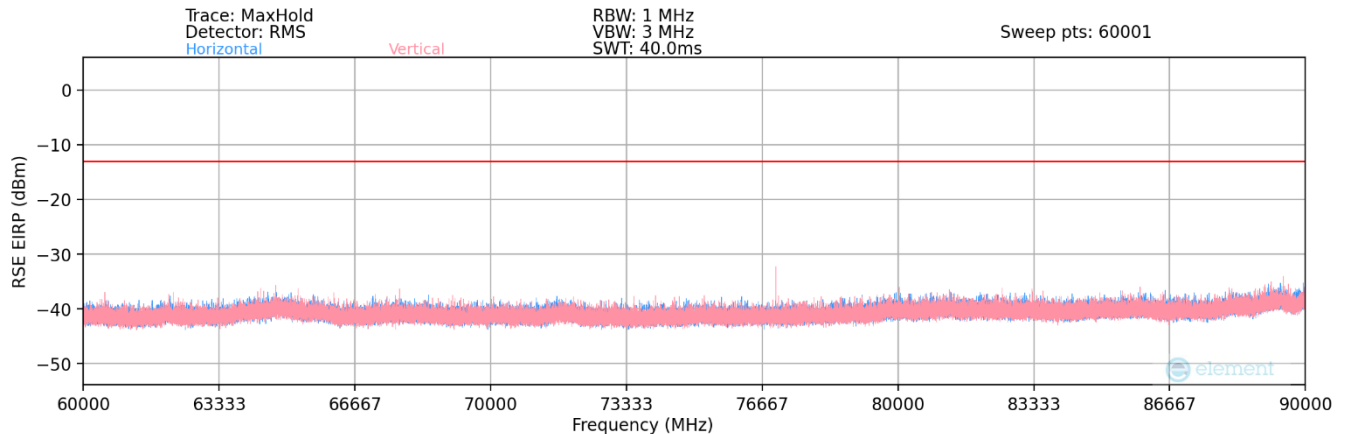
Table 7-98. Ant 2 - n260 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-163. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74051.40	Low	50	2Tx	QPSK	H	355	222.6	-34.83	-13.00	-21.83
77001.00	Mid	50	2Tx	QPSK	H	5	204.9	-35.39	-13.00	-22.39
79950.00	High	50	2Tx	QPSK	H	7	208.9	-40.62	-13.00	-27.62

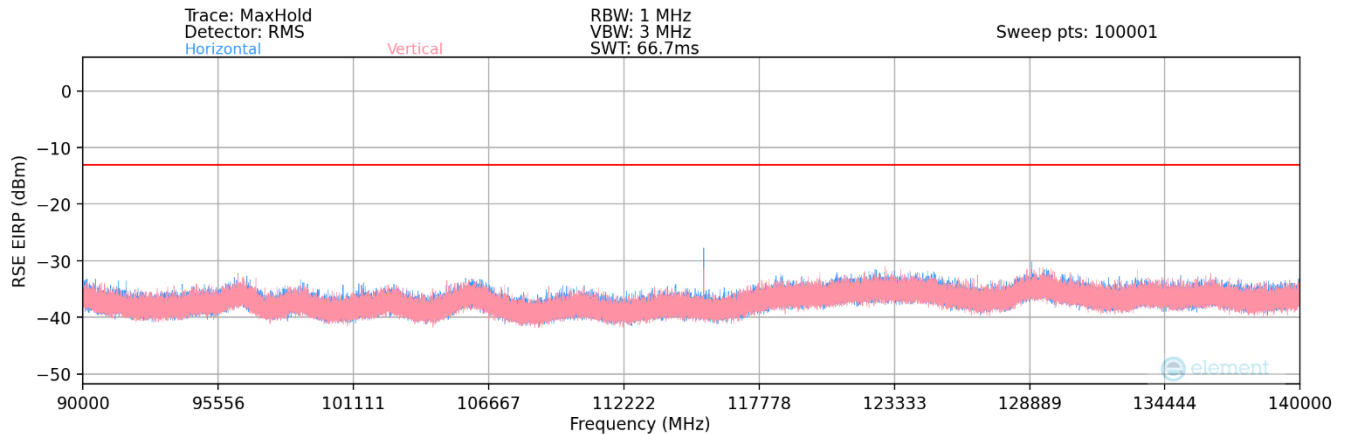
Table 7-99. Ant 2 - n260 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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90GHz - 140GHz



Plot 7-164. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
111076.92	Low	50	2Tx	QPSK	H	270	148.3	-24.03	-13.00	-11.03
115500.28	Mid	50	2Tx	QPSK	H	117	228.0	-29.18	-13.00	-16.18
119927.25	High	50	2Tx	QPSK	H	119	225.3	-31.42	-13.00	-18.42

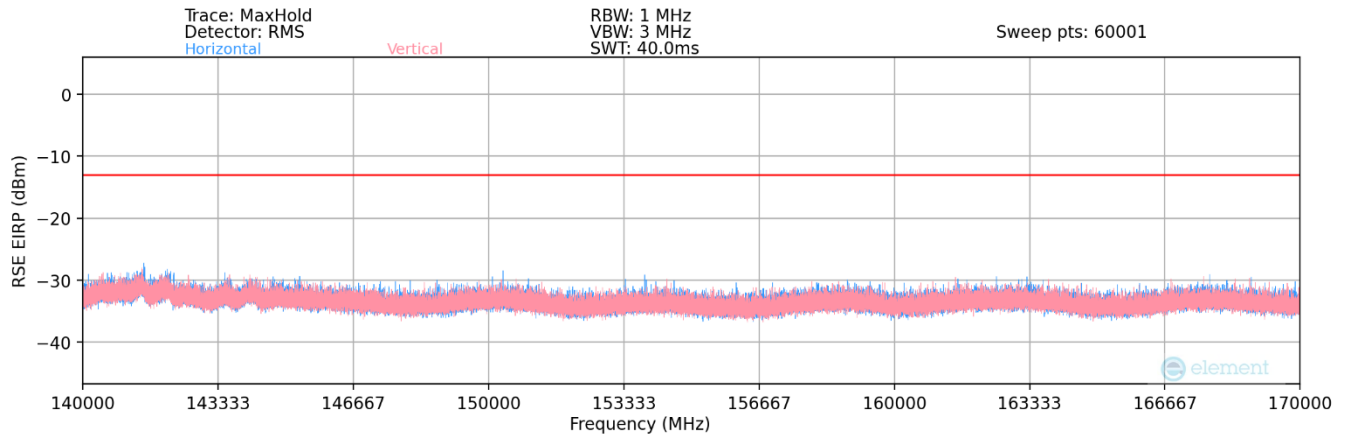
Table 7-100. Ant 2 - n260 Radiated Spurious Emissions Table (90GHz - 140GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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140GHz - 170GHz



Plot 7-165. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
148102.56	Low	50	2Tx	QPSK	H	-	-	-38.98	-13.00	-25.98
154003.74	Mid	50	2Tx	QPSK	H	-	-	-38.74	-13.00	-25.74
159903.00	High	50	2Tx	QPSK	H	-	-	-39.10	-13.00	-26.10

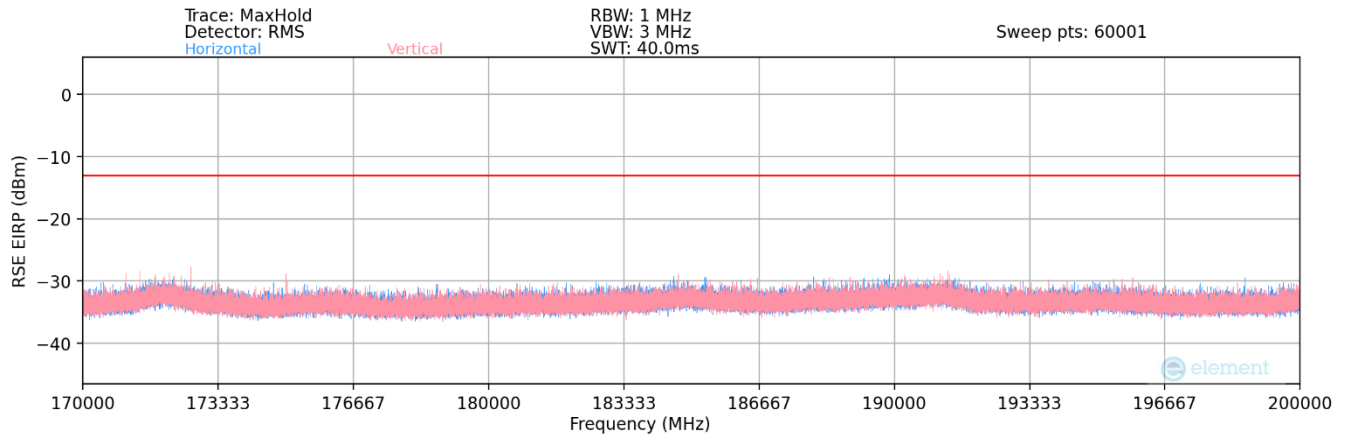
Table 7-101. Ant 2 - n260 Radiated Spurious Emissions Table (140GHz - 170GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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170GHz - 200GHz



Plot 7-166. Ant 2 - n260 Radiated Spurious Plot (1CC QPSK Mid Channel 2Tx – NR-DC Anchor Band n41)

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
185136.36	Low	50	2Tx	QPSK	H	-	-	-37.73	-13.00	-24.73
192505.12	Mid	50	2Tx	QPSK	H	-	-	-38.32	-13.00	-25.32
199887.81	High	50	2Tx	QPSK	H	-	-	-38.15	-13.00	-25.15

Table 7-102. Ant 2 - n260 Radiated Spurious Emissions Table (170GHz - 200GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1 meter.

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