



Radio Test Report

Report No.: STS2511049W02

Issued for

Ainstein AI Inc

1421 Research Park Dr., Suite 2A Lawrence, Kansas, 66049,
United States

Product Name: I-79 Long Range 4D Imaging Radar

Brand Name: N/A

Model Name: I-79-48

Series Model(s): N/A

FCC ID: 2ATMB-I7948

Test Standards: FCC Part 2, FCC Part 95, Subpart M

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**TEST REPORT****Applicant's Name**.....: Ainstein AI IncAddress: 1421 Research Park Dr., Suite 2A Lawrence, Kansas, 66049,
United States**Manufacturer's Name**.....: Muniu Technology (Shanghai) Co., Ltd.Address: Floor 2,Buliding12,No.14,Lane 258,Yinlong Road, Jiading District,
Shanghai City, 201814,China**Product Description**

Product Name.....: I-79 Long Range 4D Imaging Radar

Brand Name: N/A

Model Name: I-79-48

Series Model(s).....: N/A

FCC Part 2, FCC Part 95,Subpart M

Test Standards: ANSI C63.26-2015

ANSI C63.10-2020

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Date of Test

Date of receipt of test item.....: 07 Nov. 2025

Date (s) of performance of tests.....: 07 Nov. 2025~04 Dec. 2025

Date of Issue.....: 04 Dec. 2025

Test Result.....: **Pass**

Testing Engineer :

(Rain Liu)

Technical Manager :

(Skylar Li)

Authorized Signatory :

(Bovey Yang)





Table of Contents	Page
1. SUMMARY OF TEST RESULTS	5
1.1 TEST FACTORY	6
1.2 MEASUREMENT UNCERTAINTY	6
2. GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF THE EUT	7
2.2 ENVIRONMENTAL CONDITIONS FOR TESTING	7
2.3 TEST MODE	8
2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS	9
2.5 EQUIPMENTS LIST	10
3. OCCUPIED BANDWIDTH	11
3.1 LIMIT	11
3.2 TEST PROCEDURES	11
3.3 TEST SETUP	11
3.4 TEST RESULT	12
4. RADIATED POWER (E.I.R.P.)	13
4.1 LIMIT	13
4.2 TEST PROCEDURE	13
4.3 TEST SETUP	14
4.4 TEST RESULT	14
5. FREQUENCY STABILITY	16
5.1 LIMIT	16
5.2 TEST PROCEDURES	16
5.3 TEST SETUP	16
5.4 TEST RESULT	17
6. UNWANTED EMISSIONS	18
6.2 TEST PROCEDURES	20
6.3 TEST SETUP	21
6.4 TEST RESULT	23
APPENDIX 1-MEASUREMENT PHOTOS	43

**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	04 Dec. 2025	STS2511049W02	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 95			
Test Item	Limit	Frequency Range (GHz)	Applicable (Yes/No)
TRANSMITTER PARAMETERS			
Radiated Power	Part 2.1046 Part 2.1051 Part 95.3367	76 - 81	Y
Occupied Bandwidth	Part 2.1049		Y
Modulation characteristics	Part 2.1047		Y
Unwanted Radiated Emissions	Part 95.3379 Part 2.1053		Y
Frequency stability	Part 95.3379 Part 2.1055		Y



1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainty
1	RF output power	$\pm 0.755\text{dB}$
2	Occupied bandwidth	$\pm 3.5\%$
3	All emissions, radiated below 1GHz	$\pm 2.59\text{dB}$
4	All emissions, radiated 1GHz-18GHz	$\pm 3.32\text{dB}$
5	All emissions, radiated >18G	$\pm 3.89\text{dB}$
6	Duty Cycle	$\pm 3.2\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	I-79 Long Range 4D Imaging Radar	
Brand	N/A	
Model Number	I-79-48	
Series Model(s)	N/A	
Model Difference	N/A	
Product Description	The EUT is I-79 Long Range 4D Imaging Radar	
	Operation Frequency	76-77GHz
	Modulation Type	FMCW
	Chirp Time	26 μ s
	Antenna Designation	Comb antenna array
	Antenna Gain(Peak)	14.8dBi
Channel List	Refer to Note 3.	
Power Rating	Input: DC12V	
Adapter	N/A	
Battery	N/A	
Hardware Version Number	V3.4	
Software Version Number	N/A	
Connecting I/O Port(s)	Refer to Note 1.	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

3.	Channel	Frequency (GHz)
	00	76-77

2.2 ENVIRONMENTAL CONDITIONS FOR TESTING

Test Condition	Temperature(°C)	Voltage(V)	Relative Humidity (%)
NT/NV	25	12	53
LT/NV	-40	10.8	/
HT/NV	85	13.2	/

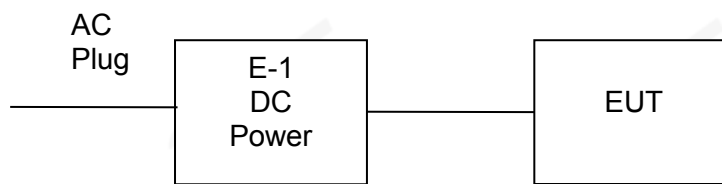


Note:

- (1) The EUT can only work from LT -40°C to HT 85°C which is declared by the manufacturer, and the EUT can't operate normally at higher or lower temperature than the declared range.
- (2) NV: Normal Voltage; NT: Normal Temperature.
- (3) LT: Low Extreme Test Temperature; HT: High Extreme Test Temperature.

2.3 TEST MODE

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.



The EUT was programmed to be in continuously transmitting mode.



2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-1	DC Power	HONGSHENG FENG	DPS-305AF	N/A	E-1

Support units

Item	Equipment	Mfr/Brand	Length	Note	Item
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.5 EQUIPMENTS LIST

RF Radiation Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23
Pre-Amplifier (0.1M-3GHz)	EM	EM330	60665	2025.02.22	2026.02.21
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2025.09.25	2026.09.24
Pre-Amplifier (18G-40GHz)	SKET	LNPA_1840-50	SK2018101801	2025.02.22	2026.02.21
Active loop Antenna (9KHz-30MHz)	ZHINAN	ZN30900C	16035	2025.02.25	2027.02.24
Bilog Antenna (30-1000MHz)	TESEQ	CBL6111D	34678	2025.09.27	2027.09.26
Horn Antenna (1G-18GHz)	SCHWARZBECK	BBHA 9120D	2014	2025.09.27	2027.09.26
HornAntenna (18G-40GHz)	A-INFOMW	LB-180400-KF	J211020657	2025.09.27	2027.09.26
Horn Antenna (40G-60GHz)	A-INFO	LB-19-25-A	2020039000053	2024.12.25	2027.12.24
Horn Antenna (50G-75GHz)	A-INFO	LB-15-25-A	2020028000183	2024.12.25	2027.12.24
Horn Antenna (75G-110GHz)	A-INFO	LB-10-25-A	2020017000101	2024.12.25	2027.12.24
Horn Antenna (110G-170GHz)	A-INFO	LB-6-25-A	2020009000108	2024.12.25	2027.12.24
Horn Antenna (170G-260GHz)	A-INFO	LB-4-25-A	20202706000029	2024.12.25	2027.12.24
Mixer(40-60GHz)	AT-Microwave	AT-SAX8-4060	N/A	2024.12.25	2027.12.24
Mixer(50-75GHz)	AT-Microwave	AT-SAXB-5075	N/A	2024.12.25	2027.12.24
Mixer(75-110GHz)	AT-Microwave	AT-SAX8-75110	N/A	2024.12.25	2027.12.24
Mixer(110-170GHz)	AT-Microwave	AT-SAX24-110170	N/A	2024.12.25	2027.12.24
Mixer(170-260GHz)	AT-Microwave	AT-SAX32-170260	N/A	2024.12.25	2027.12.24
Mixer(40-60GHz)	TLHM	TLHM-4060-04-19	N/A	2024.12.25	2027.12.24
Signal Analyzer	Keysight	N9020A	MY52440124	2025.02.22	2026.02.21
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
signal generator	Keysight	E8257D	MY58040082	2025.02.22	2026.02.21
Signal Analyzer	R&S	FSV 40-N	101823	2025.09.26	2026.09.25
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	SC100_1	60531	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC power supply	HONGSHENG FENG	DPS-305AF	17064939	2025.09.22	2026.09.21
Test SW	EZ-MMW	Ver.STSLAB-MMW1.0			

3. OCCUPIED BANDWIDTH

3.1 LIMIT

The radar device's occupied bandwidth shall be contained in the 76-81 GHz frequency band.

According to §2.1049, The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

3.2 TEST PROCEDURES

ANSI C63.26(2015)Section 5.4 and ANSI C63.10-2020 Section 9.4

a) Use the following spectrum analyzer settings:

- 1) Span equal to approximately two times to three times the OBW, centered on the carrier frequency.
- 2) RBW: 1MHz
- 3) VBW: 3 X RBW
- 4) Sweep = auto.
- 5) Detector function = peak.
- 6) Trace = max hold.

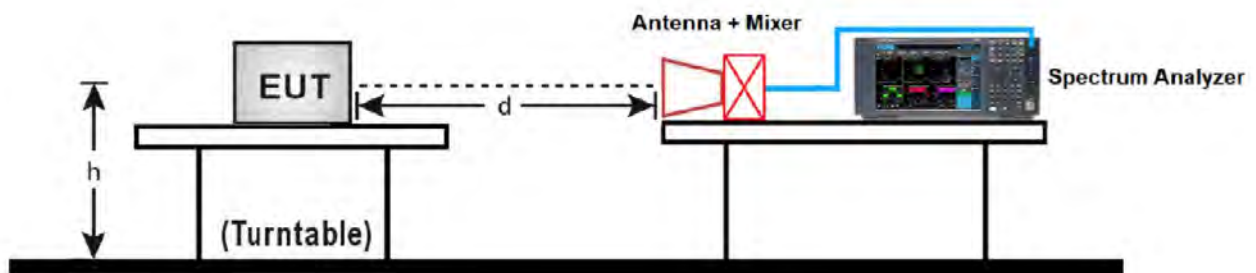
b) The EUT shall be transmitting at its maximum data rate. Allow the trace to stabilize.

c) Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure the specified dB down one side of the emission.

d) Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

e) If this value varies with different modes of operation (data rate, modulation format, etc.), then repeat this test for each variation.

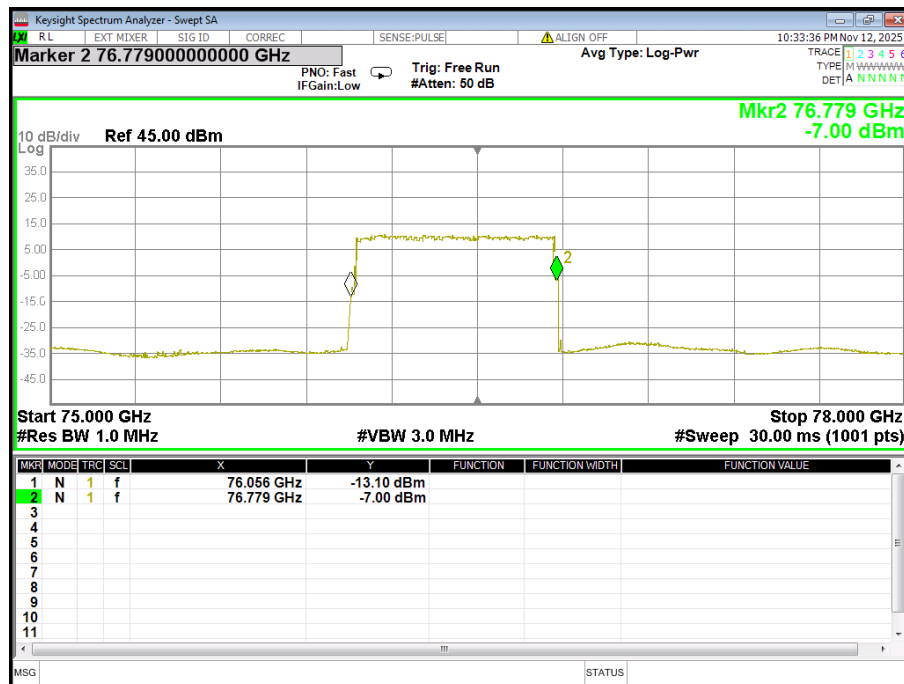
3.3 TEST SETUP





3.4 TEST RESULT

Lowest Frequency(GHz)	Highest Frequency(GHz)	Bandwidth (GHz)	Limit (GHz)	Result
76.056	76.779	0.723	76-81	Pass





4. RADIATED POWER (E.I.R.P.)

4.1 LIMIT

According to §95.3367, The fundamental radiated emission limits within the 76-81 GHz band are expressed in terms of Equivalent Isotropically Radiated Power (EIRP) and are as follows: (a) The maximum power(EIRP) within the 76-81 GHz band shall not exceed 50 dBm based on measurements employing a power averaging detector with a 1 MHz Resolution Bandwidth(RBW). (b) The maximum peak power(EIRP) within the 76-81 GHz band shall not exceed 55 dBm based on measurements employing a peak detector with a 1 MHz RBW.

4.2 TEST PROCEDURE

Please refer to Part 95.3367 and ANSI C63.26 Section 5.2/ ANSI C63.10 Section 9

The average e.i.r.p. measurement shall be performed using a power averaging detector with a 1 MHz resolution bandwidth (RBW). The power shall be integrated over the occupied bandwidth.

1. Set the EUT power to the maximum
2. Set RBW = 1 MHz
3. Set VBW ≥ 3 X RBW
4. span to 2 x to 3 x the OBW
5. Detector = power averaging (rms)
6. Set number of points in sweep ≥ 2 x span / RBW
7. Sweep time = auto

Maximum peak power(EIRP) – Peak detector

1. Set RBW = 1 MHz
2. Set VBW ≥ 3 X RBW
3. span to 2 x to 3 x the OBW
4. Detector = Peak
5. Set number of points in sweep ≥ 2 x span / RBW
6. Sweep time = auto-couple
7. Trace = max-hold

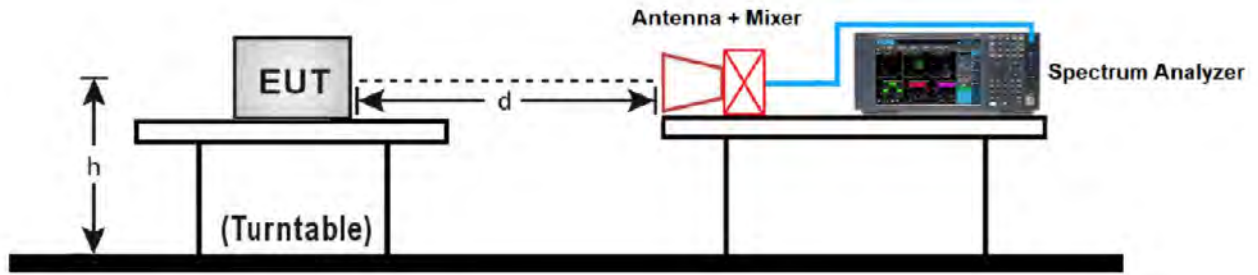
Note1. Sample Calculation $E(\text{dB}\mu\text{V/m}) = \text{Measured level}(\text{dB}\mu\text{V}) + 107 + \text{AFCL}(\text{dB/m})$ Where, E=field strength / AFCL= Antenna Factor(dB/m) + Cable Loss(dB/m) The mixer loss was applied to the measured level by SA correction factor. $\text{EIRP}(\text{dBm}) = E(\text{dB}\mu\text{V/m}) + 20\log(D) - 104.8$; where, D is measurement distance(in the far field region) in m.

Note2. P.C.F Calculation (P.C.F=Peak amplitude correction factor of the FMCW signal)

F.C.F = $20 \cdot \log_{10}(1/\alpha)$

$$\alpha = \frac{1}{\sqrt[4]{1 + \left(\frac{2 \ln(2)}{\pi}\right)^2 \left(\frac{FS}{TSB^2}\right)^2}}$$

4.3 TEST SETUP



4.4 TEST RESULT

Remark	Frequency (GHz)	Distance (m)	dBuV/m	EIRP Power (dBm)	Desensitization Factor(dB)	Final EIRP Power (dBm)	EIRP Power Limit (dBm)	Result
Average Power	76-77	1.5	90.993	-10.29	10.93	0.64	50	PASS
Peak Power	76-77	1.5	115.559	14.28	10.93	25.21	55	PASS

The FMCW Desensitization Factor

FMCW Width(MHz)	$T_{\text{chirp}}(\mu\text{s})$	RBW(MHz)	Desensitization Factor(lin)	Desensitization Factor(dB)
726.58	26	1	0.0808	10.93

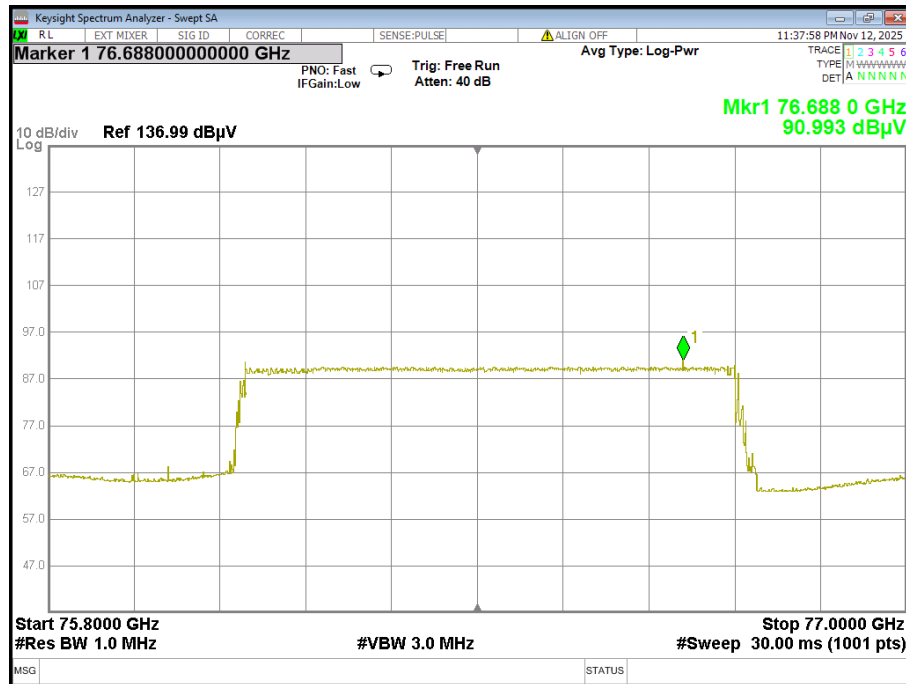
$$\alpha = \frac{1}{\sqrt{1 + \left(\frac{2 \ln(2)}{\pi} \right)^2 \left(\frac{BW_{\text{Chirp}}}{T_{\text{Chirp}} B^2} \right)^2}}$$

where

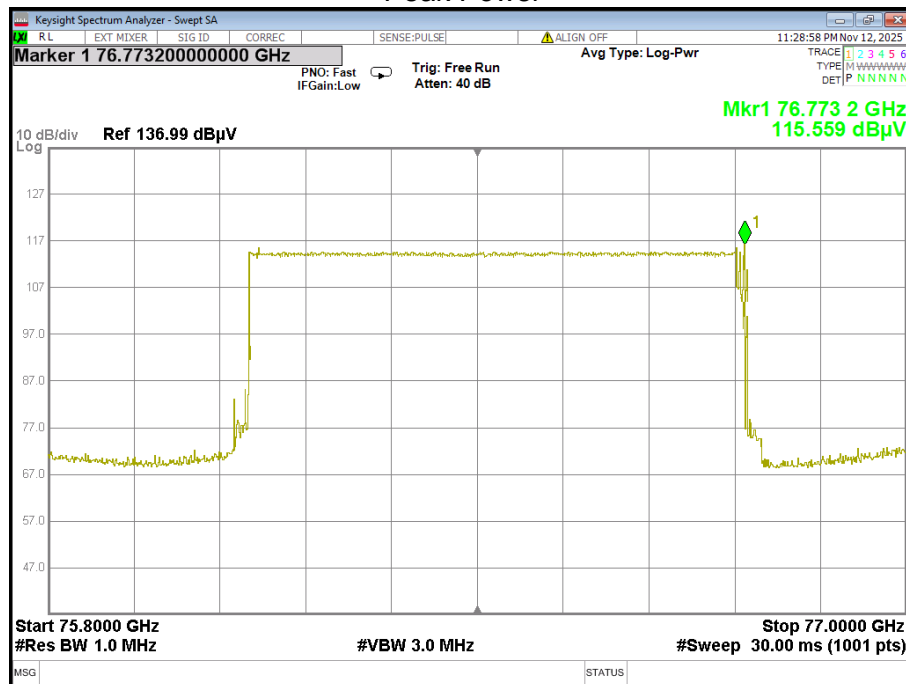
α is the reduction in amplitude
 BW_{Chirp} is the FMCW Chirp Bandwidth
 T_{Chirp} is the FMCW Chirp Time
 B is the 3 dB IF Bandwidth = RBW



AV Power



Peak Power



5. FREQUENCY STABILITY

5.1 LIMIT

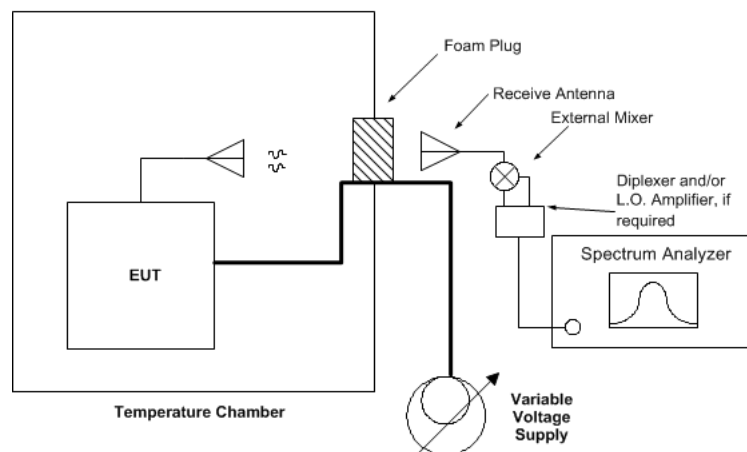
Fundamental emissions must be contained within the frequency bands specified in this section during all conditions of operation. Equipment is presumed to operate over the temperature range -20 to +50 degrees Celsius with an input voltage variation of 85% to 115% of rated input voltage, unless justification is presented to demonstrate otherwise

5.2 TEST PROCEDURES

1. Please refer to Part 95.3379 and ANSI C63.26(2015) - Section 5.6
 - a) Arrange EUT and test equipment as shown in Figure 21. Some temperature chambers have a window or other opening that permits locating the receive antenna outside the chamber.
 - b) With the EUT at ambient temperature (approximately 25 °C) and voltage source set to the EUT nominal operating voltage (100%), record the spectrum mask of the EUT emission on the spectrum analyzer.
 - c) Vary EUT power supply between 85% and 115% of nominal, and record the frequency excursion of the EUT emission mask.
 - d) Set the power supply to 100% nominal setting, and raise EUT operating temperature to 50 °C. Record the frequency excursion of the EUT emission mask.
 - e) Repeat step d) at each 10 °C increment down to -20 °C.

5.3 TEST SETUP

EUT uses a horn antenna connected to a spectrum analyzer for measurement. The EUT was placed in an environmental chamber using foam plugs to maintain temperature conditions inside. The horn antenna measures the frequency of the fundamental signal.





5.4 TEST RESULT

Voltage (%)	Power (VDC)	Temp (°C)	FL (GHz)	FH (GHz)	Limit (GHz)	Result
100%	12V	-30	76.0556	76.7788	76-81GHz	Pass
		-20	76.0557	76.7787	76-81GHz	Pass
		-10	76.0558	76.7787	76-81GHz	Pass
		0	76.0556	76.7786	76-81GHz	Pass
		10	76.0557	76.7786	76-81GHz	Pass
		20	76.0560	76.7790	76-81GHz	Pass
		30	76.0557	76.7788	76-81GHz	Pass
		40	76.0555	76.7788	76-81GHz	Pass
		50	76.0557	76.7786	76-81GHz	Pass
		60	76.0557	76.7788	76-81GHz	Pass
115%	13.8V	20	76.0558	76.7787	76-81GHz	Pass
85%	10.2V	20	76.0557	76.7786	76-81GHz	Pass



6. UNWANTED EMISSIONS

6.1 LIMIT

FCC

(a) The power density of any emissions outside the 76-81 GHz band shall consist solely of spurious emissions and shall not exceed the following:

(1) Radiated emissions below 40 GHz shall not exceed the field strength as shown in the following emissions table

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

(ii) The limits in the table are based on the frequency of the unwanted emissions and not the fundamental frequency. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.

iii) The emissions limits shown in the table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9.0-90.0 kHz, 110.0-490.0 kHz, and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector with a 1 MHz RBW.

(2) The power density of radiated emissions outside the 76-81 GHz band above 40.0 GHz shall not exceed the following, based on measurements employing an average detector with a 1 MHz

(i) For radiated emissions outside the 76-81 GHz band between 40 GHz and 200 GHz from field disturbance sensors and radar systems operating in the 76-81 GHz band: 600 pW/cm² at a distance of 3 meters from the exterior surface of the radiating structure.

(ii) For radiated emissions above 200 GHz from field disturbance sensors and radar systems operating in the 76-81 GHz band: 1000 pW/cm² at a distance of 3 meters from the exterior surface of the radiating structure.

(3) For field disturbance sensors and radar systems operating in the 76-81 GHz band, the spectrum shall be investigated up to 231.0 GHz.



According to section 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			



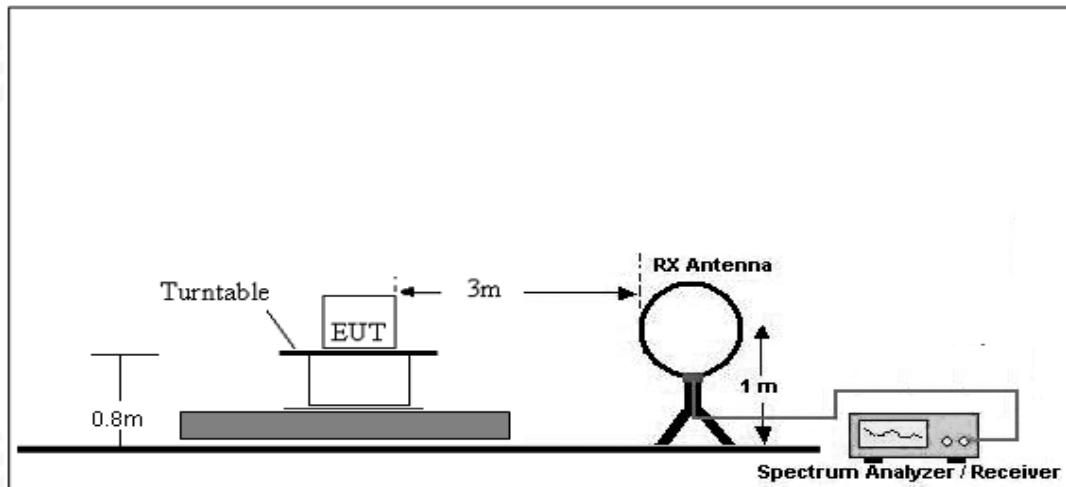
6.2 TEST PROCEDURES

Please refer to Part 95.3379 and ANSI C63.26(2015) - Section 5.5/ANSI C63.10-2020 - Section 9.10

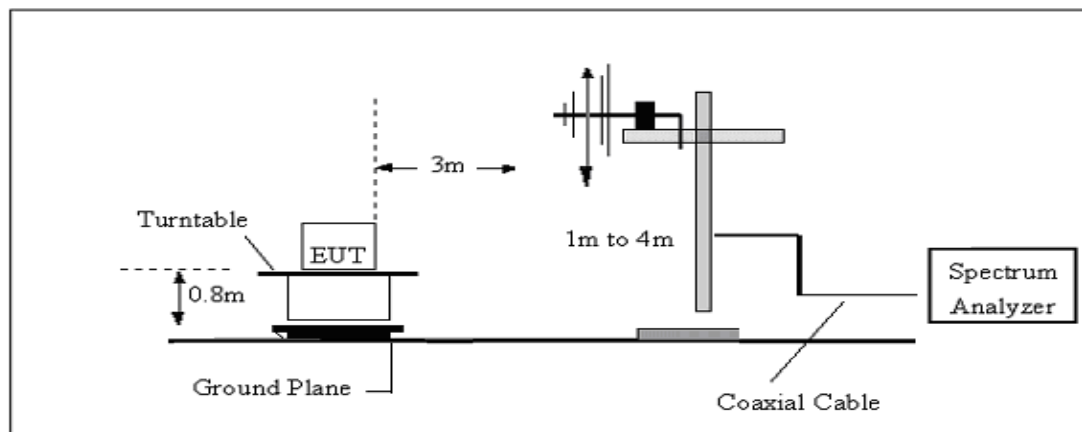
- a) Connect the test antenna covering the appropriate frequency range to a spectrum analyzer via an external mixer or directly to the spectrum analyzer if the instrument supports the required frequency range.
- b) Set spectrum analyzer RBW = 1 MHz, VBW = 1 MHz or 3 MHz (as specified in the requirements), average detector, span as required, and so on.
- c) Determine the maximum measurement distance using 9.8.
- d) Search for emissions over the mixer band and maximize all observed emissions using 9.9.
- e) Note the maximum power indicated on the spectrum analyzer. Adjust this reading, if necessary, by the conversion loss of the external mixer used at the frequency under investigation and the external mixer IF cable loss.
- f) Calculate the maximum field strength of the emission at the measurement distance using Equation (19) and the adjusted/corrected power at the output of the test antenna.
- g) Where applicable, calculate the EIRP from the measured field strength using Equation (22) and then convert to the linear form using Equation (24).
- h) If measurements were made at any distance other than the distance specified by the limit, then extrapolate the maximum measured field strength to the field strength at the distance specified by the limit using Equation (20), and then convert to the field strength in V/m using Equation (21).
- i) Where applicable, calculate the power density at the distance specified by the limit from the field strength at the distance specified by the limit using Equation (26).
- j) Repeat the preceding sequence for every emission observed in the frequency band under investigation.
- k) Repeat the preceding sequence for every external mixer band as needed to encompass the required frequency range of investigation (as specified by the regulatory requirements to which compliance is being tested).
- l) Repeat the preceding sequence in all operating configurations supported by the EUT (e.g., forward-looking, side-looking, and rear-looking configurations, with the vehicle at rest and in motion).

6.3 TEST SETUP

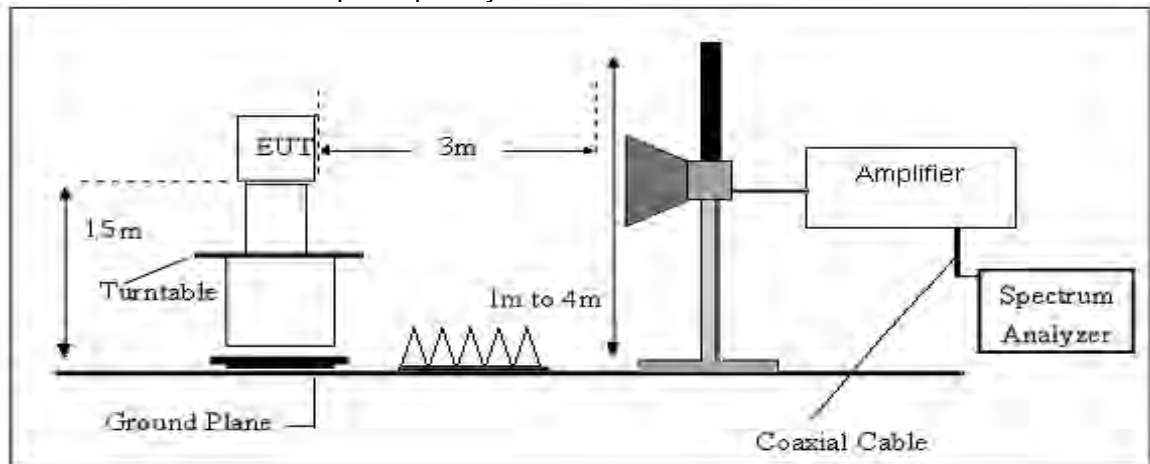
(A) Radiated Emission Test-Up Frequency Below 30MHz



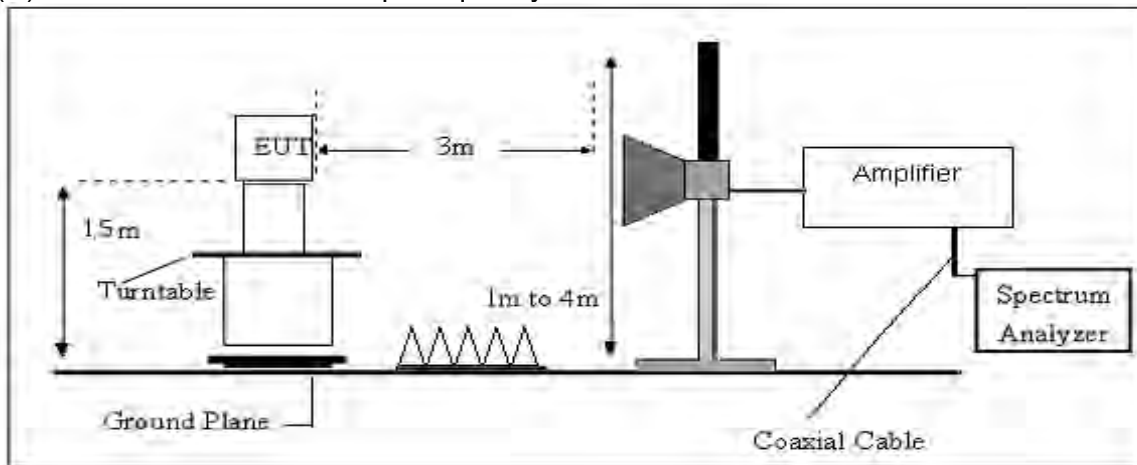
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



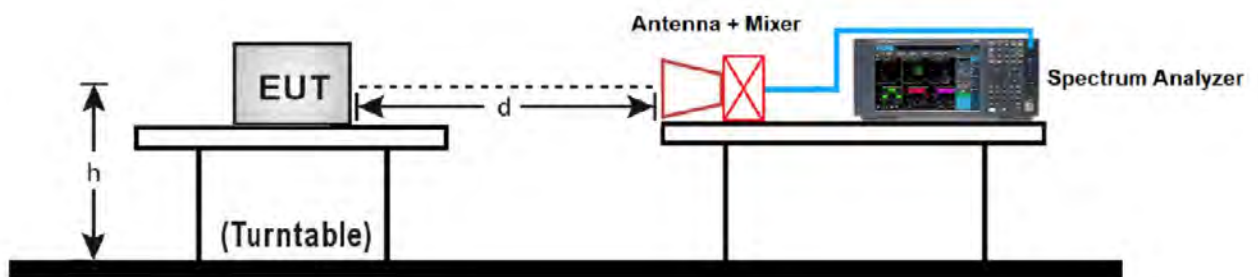
(C) Radiated Emission Test-Up Frequency 1~18GHz



(D) Radiated Emission Test-Up Frequency 18~40GHz



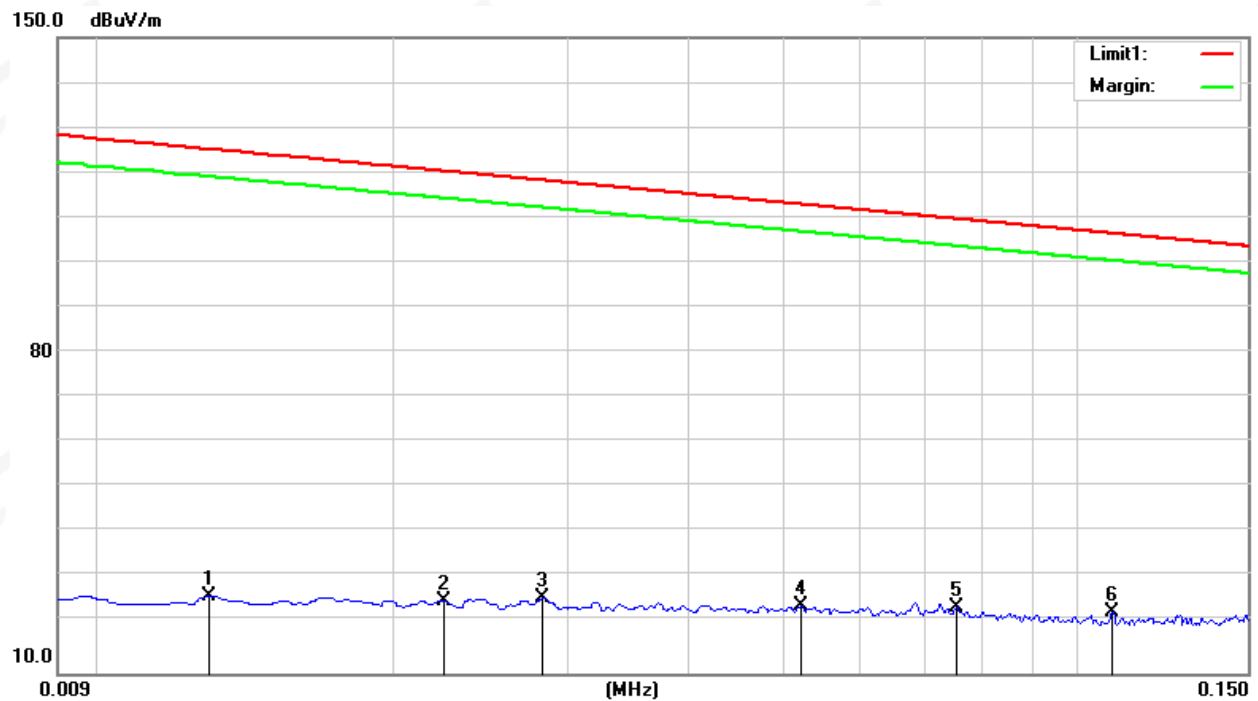
(E) Radiated Emission Test-Up Frequency above 40GHz





6.4 TEST RESULT

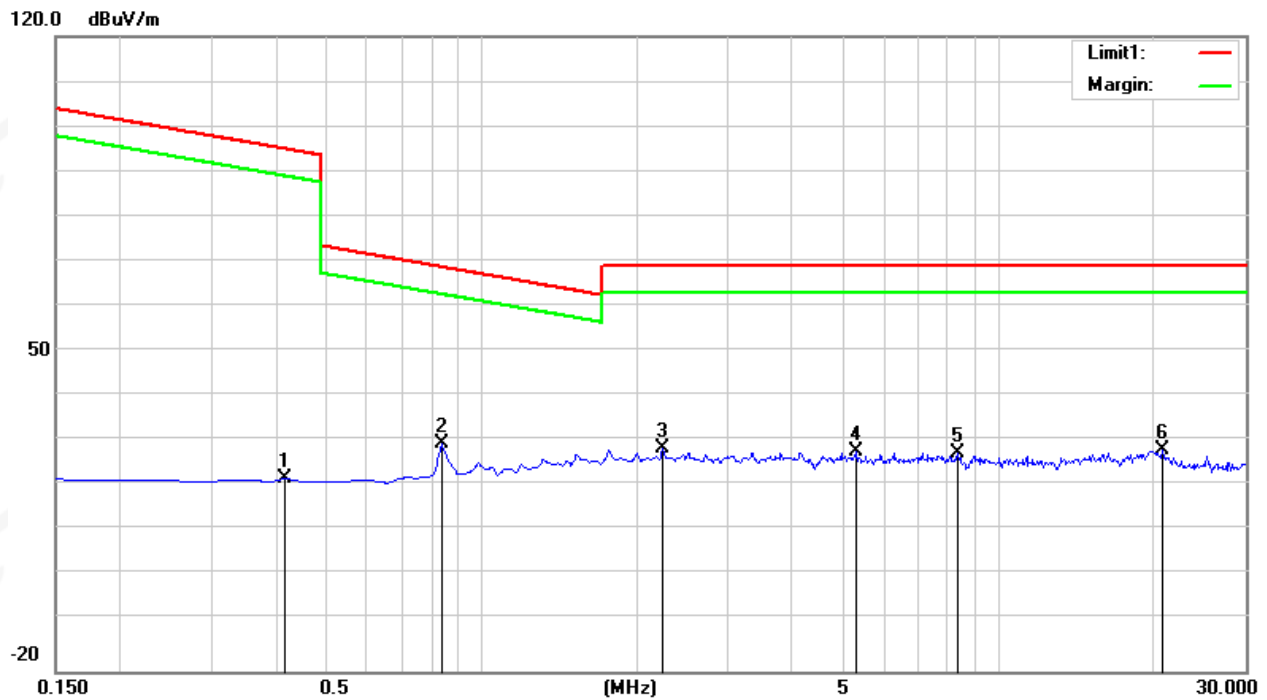
RSE-9KHz-150KHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0130	7.28	19.59	26.87	125.33	-98.46	peak
2	0.0224	5.94	20.05	25.99	120.60	-94.61	peak
3	0.0283	6.56	19.93	26.49	118.57	-92.08	peak
4	0.0523	5.51	19.44	24.95	113.23	-88.28	peak
5	0.0754	5.79	18.78	24.57	110.06	-85.49	peak
6	0.1090	5.89	17.58	23.47	106.86	-83.39	peak



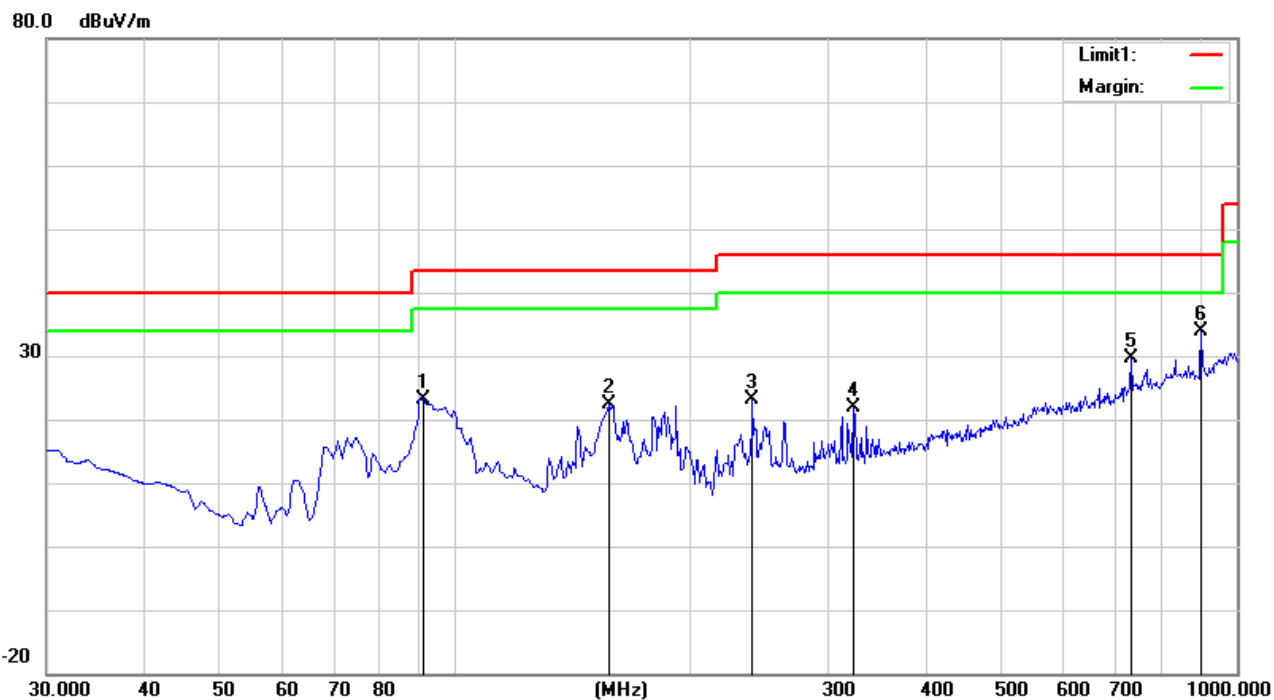
RSE-150KHz-30MHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.4187	2.43	20.17	22.60	95.17	-72.57	peak
2	0.8366	9.95	20.27	30.22	69.15	-38.93	peak
3	2.2395	8.98	20.33	29.31	69.50	-40.19	peak
4	5.3140	8.01	20.48	28.49	69.50	-41.01	peak
5	8.3588	7.72	20.30	28.02	69.50	-41.48	peak
6	20.7465	6.44	22.22	28.66	69.50	-40.84	peak



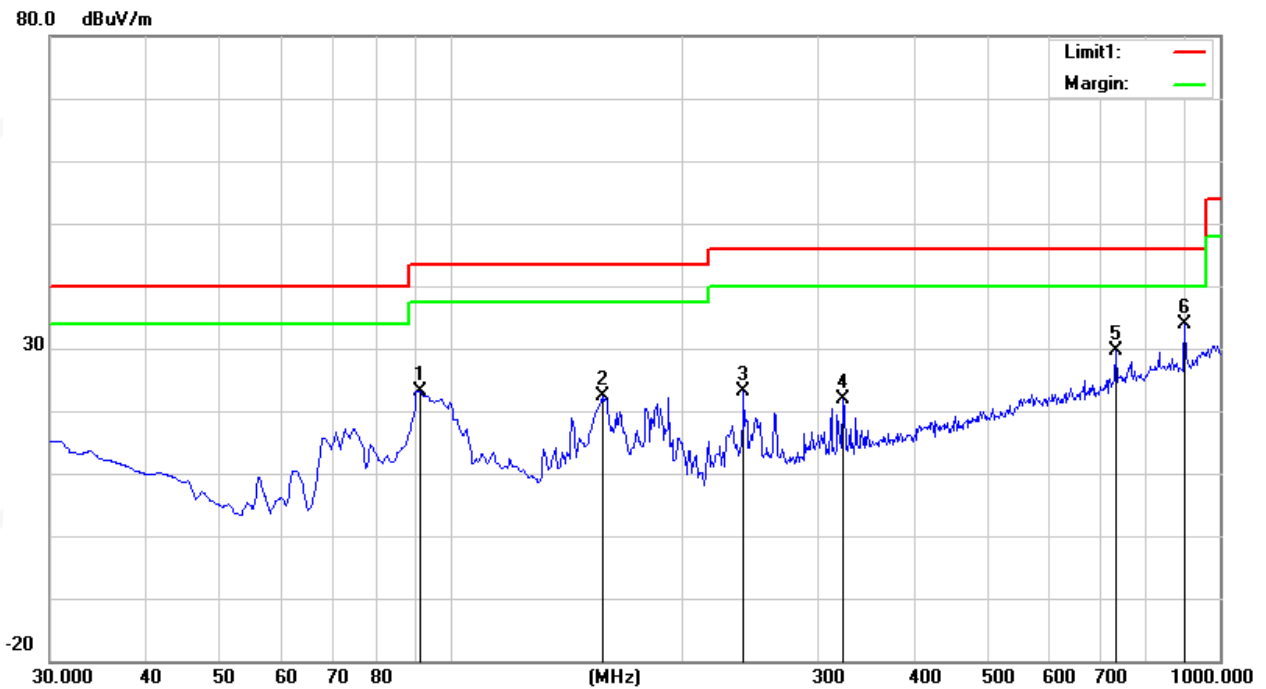
RSE-30MHz-1000MHz -H



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	91.1100	44.49	-21.31	23.18	43.50	-20.32	peak
2	157.0700	40.96	-18.70	22.26	43.50	-21.24	peak
3	240.4900	41.13	-17.93	23.20	46.00	-22.80	peak
4	323.9100	35.66	-13.88	21.78	46.00	-24.22	peak
5	733.2500	32.09	-2.35	29.74	46.00	-16.26	peak
6	903.0000	34.23	-0.37	33.86	46.00	-12.14	peak



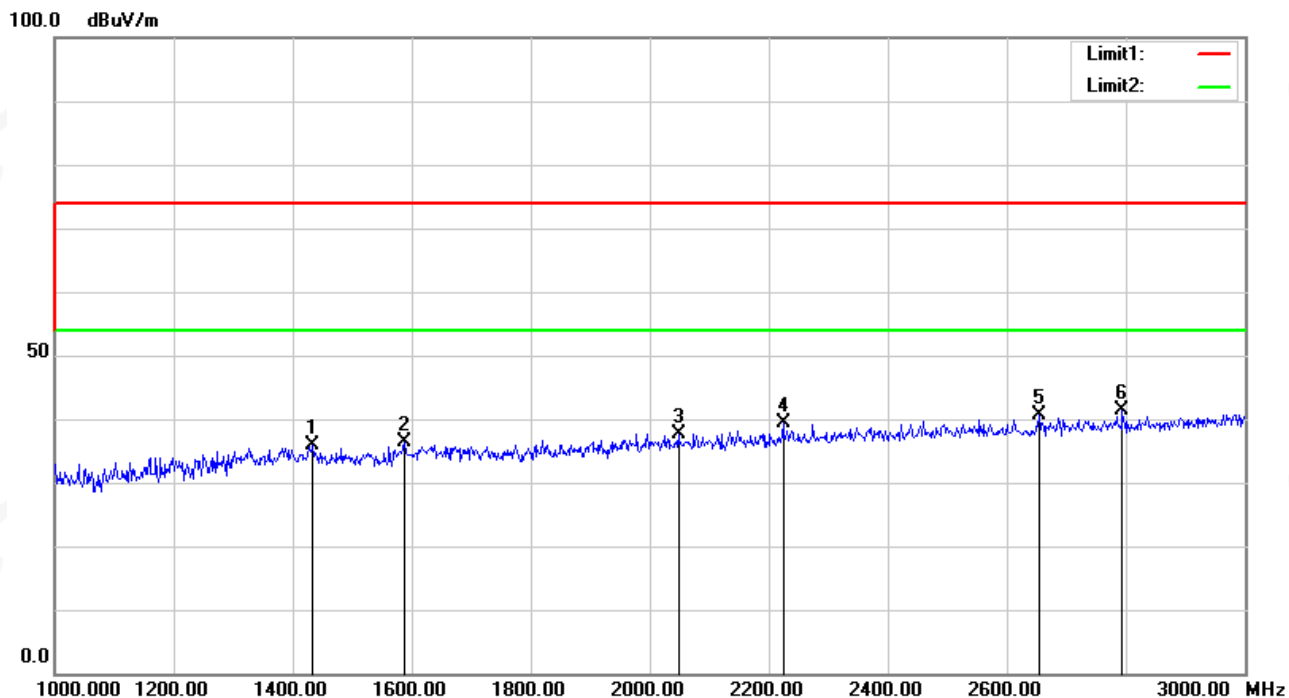
RSE-30MHz-1000MHz -V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	91.1100	44.49	-21.31	23.18	43.50	-20.32	peak
2	157.0700	40.96	-18.70	22.26	43.50	-21.24	peak
3	240.4900	41.13	-17.93	23.20	46.00	-22.80	peak
4	323.9100	35.66	-13.88	21.78	46.00	-24.22	peak
5	733.2500	32.09	-2.35	29.74	46.00	-16.26	peak
6	903.0000	34.23	-0.37	33.86	46.00	-12.14	peak



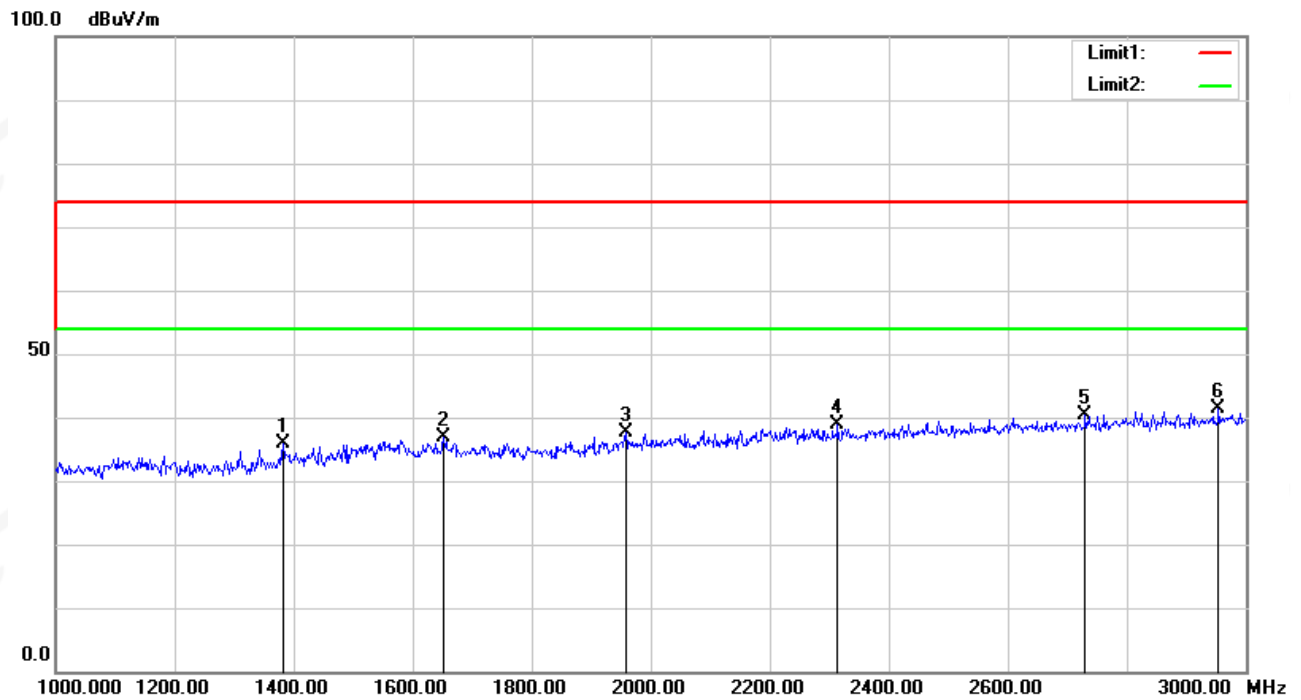
RSE-1GHz - 3GHz -H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1434.000	38.60	-2.72	35.88	74.00	-38.12	peak
2	1588.000	39.08	-2.66	36.42	74.00	-37.58	peak
3	2048.000	38.94	-1.29	37.65	74.00	-36.35	peak
4	2224.000	39.68	-0.40	39.28	74.00	-34.72	peak
5	2654.000	39.07	1.52	40.59	74.00	-33.41	peak
6	2794.000	38.88	2.38	41.26	74.00	-32.74	peak



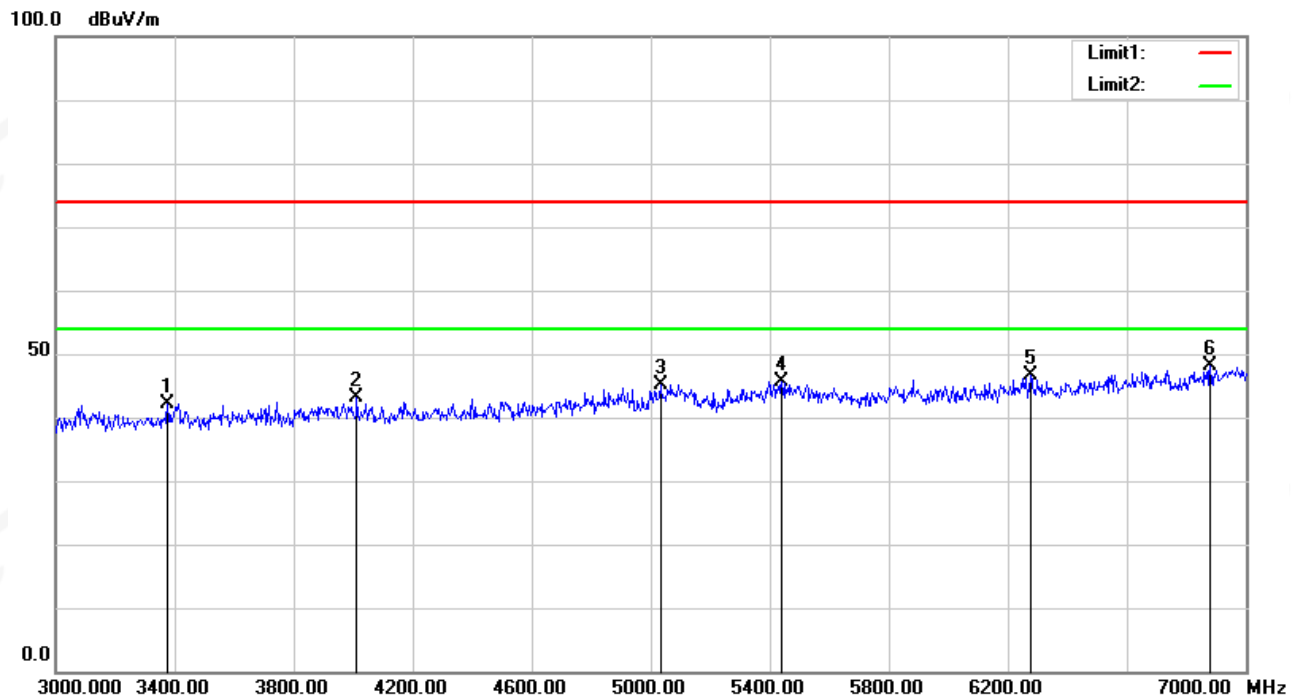
RSE-1GHz -3GHz -V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1382.000	38.57	-2.77	35.80	74.00	-38.20	peak
2	1652.000	39.48	-2.70	36.78	74.00	-37.22	peak
3	1958.000	39.28	-1.70	37.58	74.00	-36.42	peak
4	2314.000	38.51	0.25	38.76	74.00	-35.24	peak
5	2730.000	38.38	1.93	40.31	74.00	-33.69	peak
6	2954.000	38.42	2.90	41.32	74.00	-32.68	peak



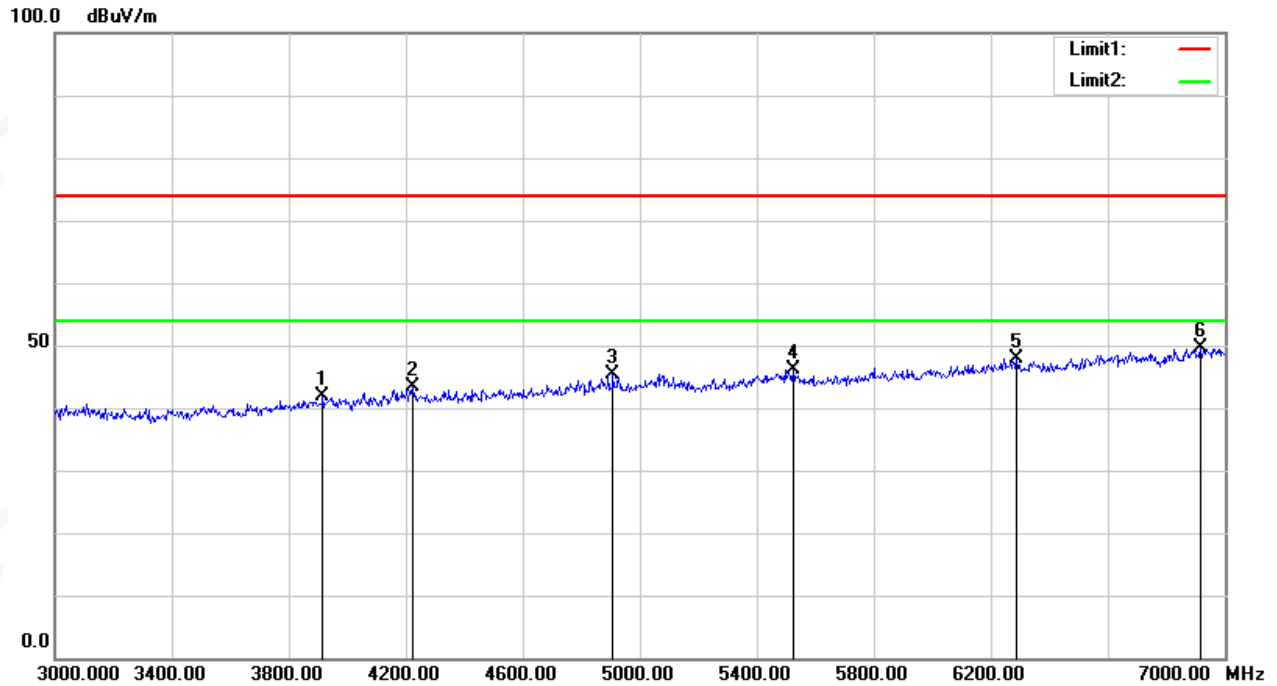
RSE-3GHz -7GHz -H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3376.000	53.77	-11.64	42.13	74.00	-31.87	peak
2	4012.000	52.76	-9.60	43.16	74.00	-30.84	peak
3	5032.000	50.93	-5.78	45.15	74.00	-28.85	peak
4	5440.000	50.57	-4.92	45.65	74.00	-28.35	peak
5	6276.000	48.64	-2.04	46.60	74.00	-27.40	peak
6	6880.000	47.73	0.41	48.14	74.00	-25.86	peak



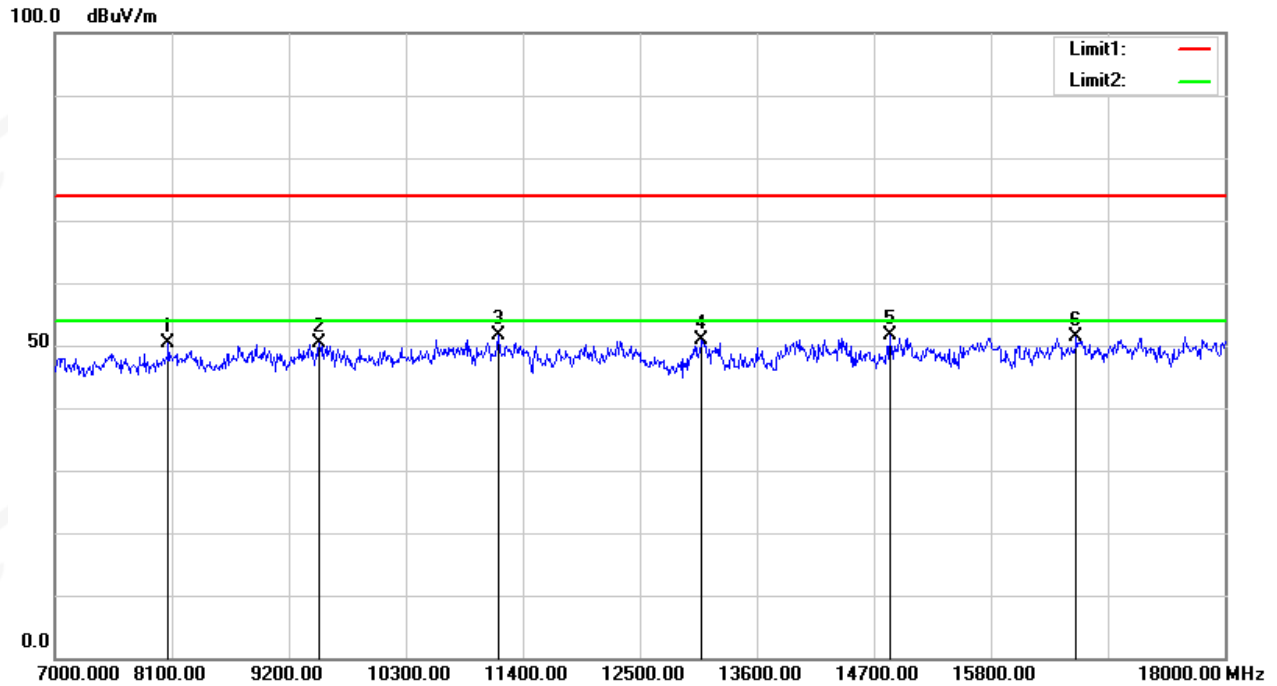
RSE-3GHz -7GHz -V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3492.000	54.15	-11.10	43.05	74.00	-30.95	peak
2	4184.000	52.49	-8.48	44.01	74.00	-29.99	peak
3	5512.000	49.82	-4.67	45.15	74.00	-28.85	peak
4	6132.000	49.47	-2.64	46.83	74.00	-27.17	peak
5	6612.000	49.43	-0.95	48.48	74.00	-25.52	peak
6	6904.000	49.00	0.54	49.54	74.00	-24.46	peak



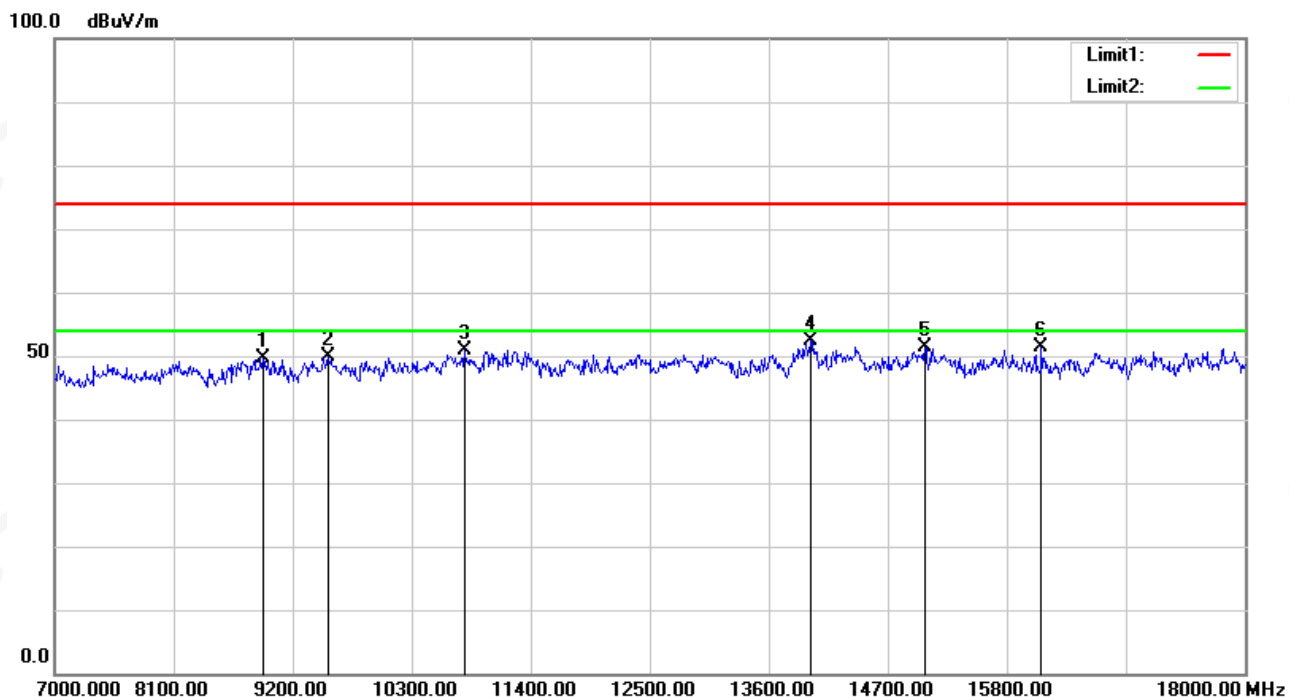
RSE-7GHz -18GHz -H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8067.000	50.60	-0.21	50.39	74.00	-23.61	peak
2	9486.000	48.87	1.46	50.33	74.00	-23.67	peak
3	11169.000	49.30	2.45	51.75	74.00	-22.25	peak
4	13083.000	46.36	4.41	50.77	74.00	-23.23	peak
5	14854.000	46.18	5.38	51.56	74.00	-22.44	peak
6	16603.000	46.24	5.14	51.38	74.00	-22.62	peak



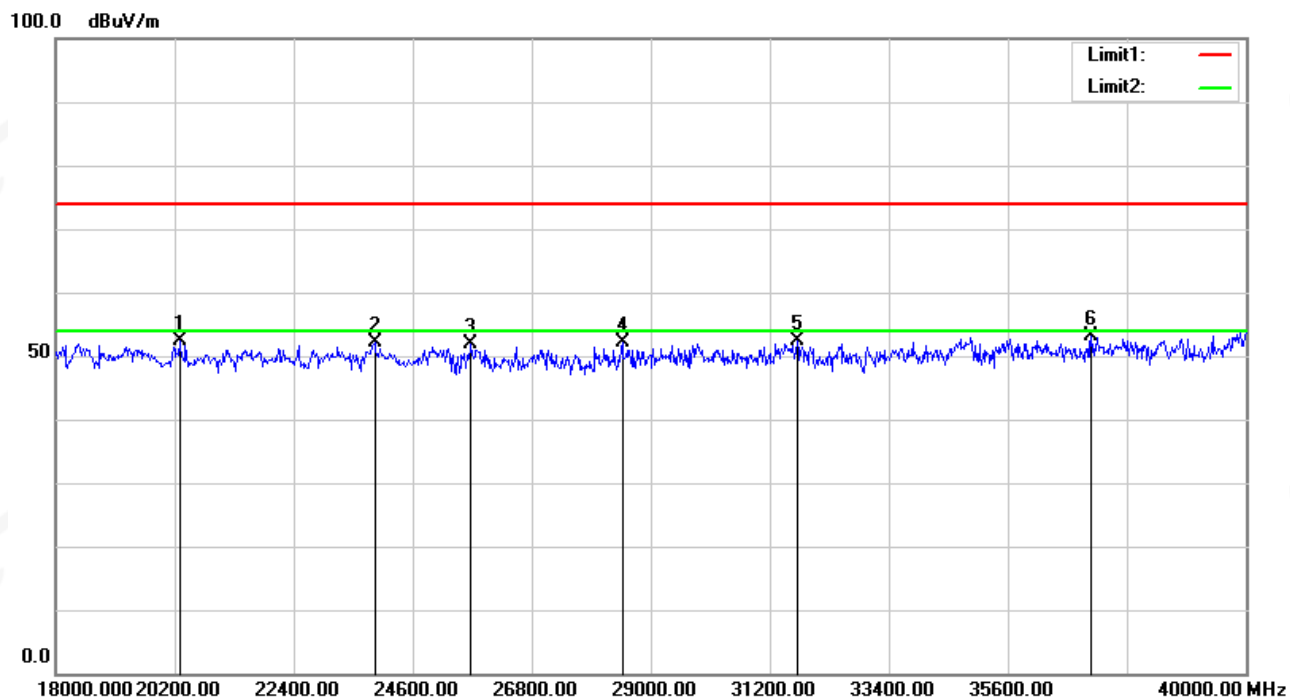
RSE-7GHz -18GHz -V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8925.000	48.47	1.20	49.67	74.00	-24.33	peak
2	9530.000	48.63	1.25	49.88	74.00	-24.12	peak
3	10784.000	49.06	1.90	50.96	74.00	-23.04	peak
4	13985.000	44.01	8.26	52.27	74.00	-21.73	peak
5	15041.000	46.01	5.26	51.27	74.00	-22.73	peak
6	16119.000	47.25	4.16	51.41	74.00	-22.59	peak



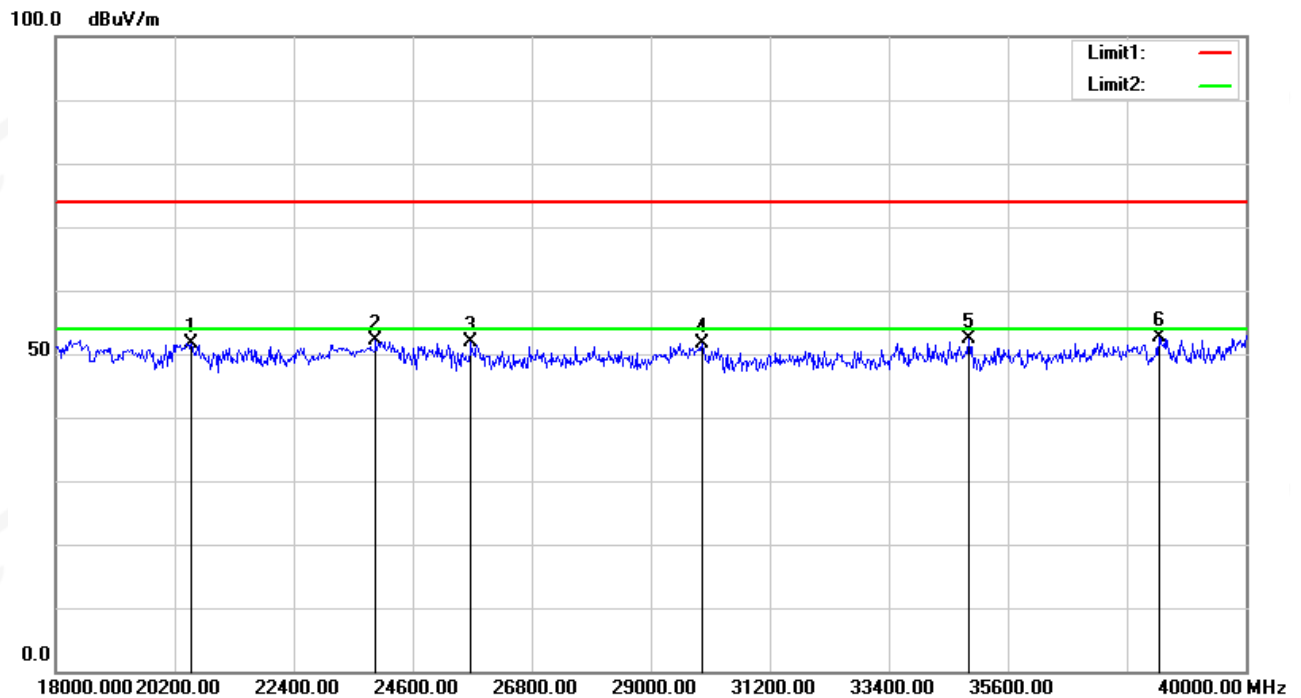
RSE-18GHz -40GHz -H



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	22048.000	47.64	3.41	51.05	74.00	-22.95	peak
2	25128.000	45.27	6.34	51.61	74.00	-22.39	peak
3	28538.000	42.64	9.18	51.82	74.00	-22.18	peak
4	31530.000	41.70	9.63	51.33	74.00	-22.67	peak
5	34192.000	42.22	10.06	52.28	74.00	-21.72	peak
6	37844.000	43.84	8.82	52.66	74.00	-21.34	peak



RSE-18GHz -40GHz -V



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	21740.000	48.71	3.09	51.80	74.00	-22.20	peak
2	23984.000	46.27	5.16	51.43	74.00	-22.57	peak
3	27328.000	43.99	7.90	51.89	74.00	-22.11	peak
4	31706.000	42.37	9.62	51.99	74.00	-22.01	peak
5	34610.000	42.02	10.28	52.30	74.00	-21.70	peak
6	38482.000	43.14	8.26	51.40	74.00	-22.60	peak



Above 40GHz

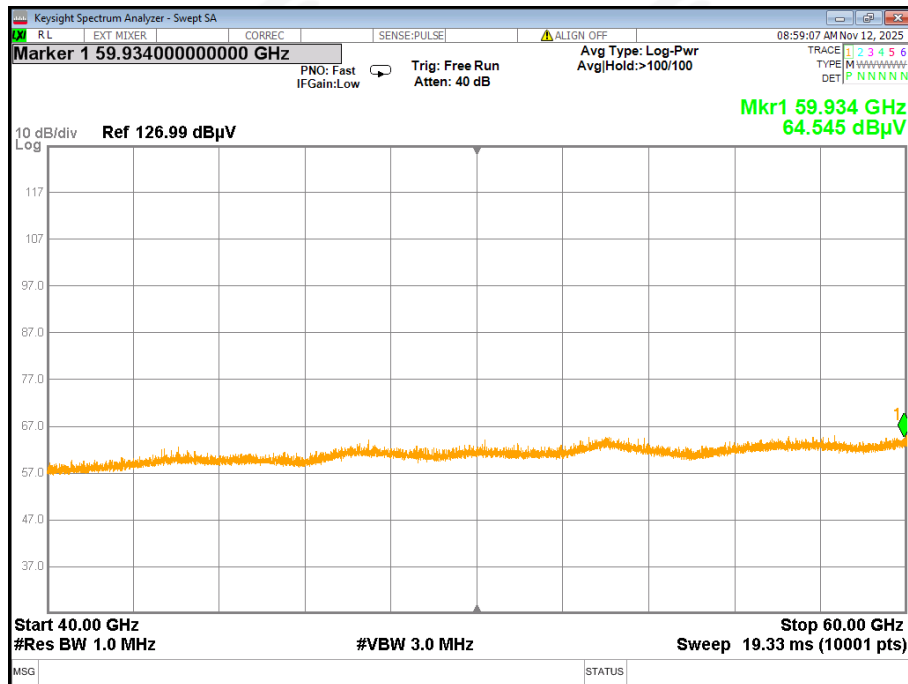
Freq.(GHz)	Mes@ 1.5m (dBuV/m)	Mes@ 3m (dBuV/m)	Power Density (pW/cm ²)	Limit (pW/cm ²)	Result	Pol.
59.9340	64.545	58.524	0.1888	600	PASS	H
53.1160	64.585	58.564	0.1906	600	PASS	V
75.4000	67.911	61.890	0.4099	600	PASS	H
75.8848	67.309	61.288	0.3569	600	PASS	V
109.1222	64.039	58.018	0.1681	600	PASS	H
109.0990	65.04	59.019	0.2116	600	PASS	V
127.4060	68.846	62.825	0.5084	600	PASS	H
127.9970	69.368	63.347	0.5733	600	PASS	V
151.0550	67.293	61.272	0.3555	600	PASS	H
155.6270	66.283	60.262	0.2818	600	PASS	V
189.1350	67.625	61.604	0.3838	600	PASS	H
189.1600	68.141	62.120	0.4322	600	PASS	V
250.4040	67.438	61.417	0.3676	1000	PASS	H
255.6280	67.459	61.438	0.3694	1000	PASS	V

Note:

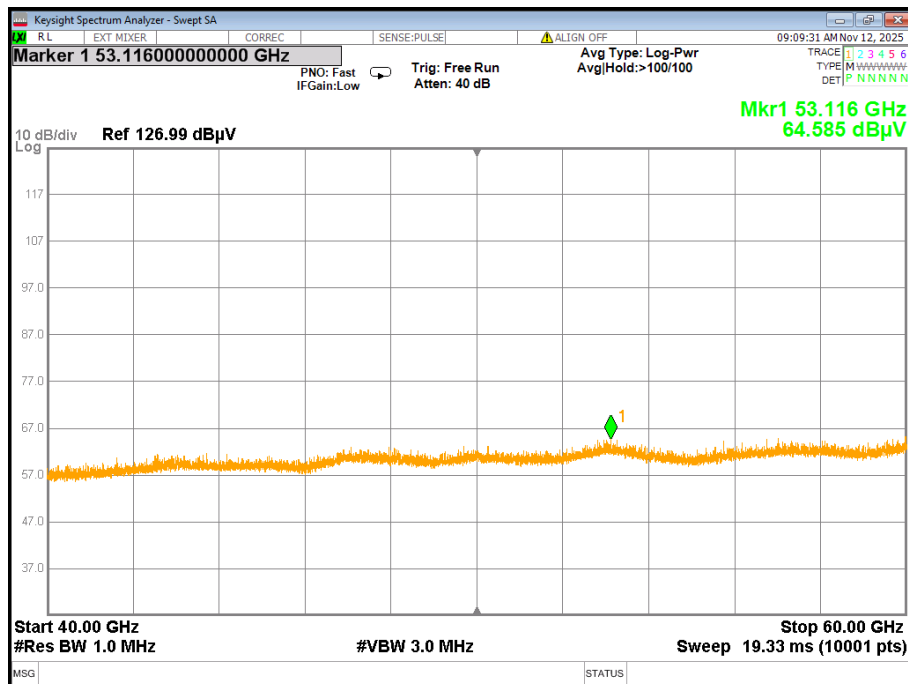
1. Mes@3m = Mes@1.5m +20*log(1.5m/3m)
2. Power Density =(10⁸/377)*{10^{[(Meas. @3m -120)/20]}}}²



RSE-40GHz-60GHz-H

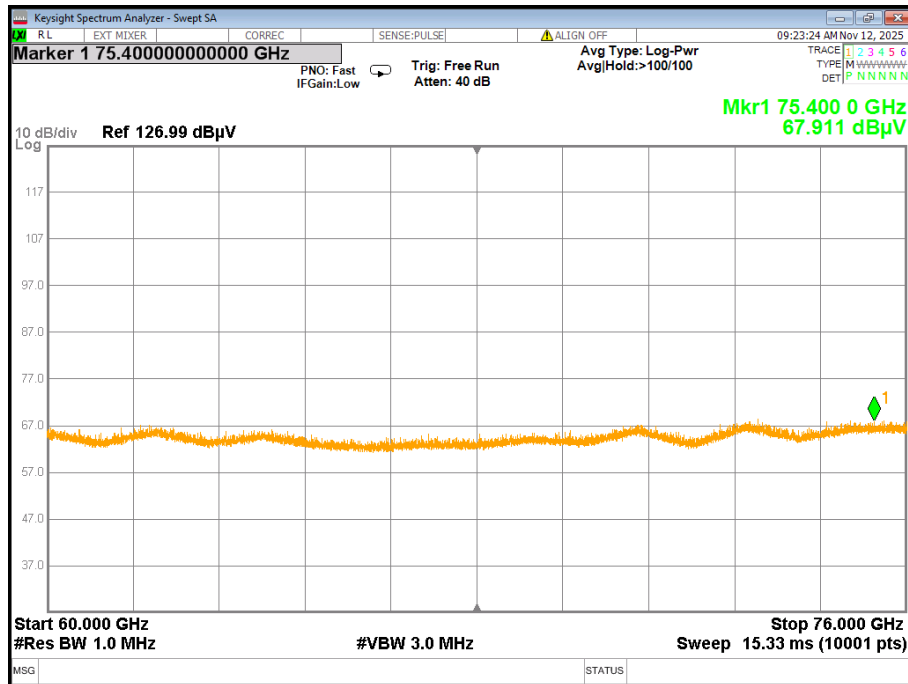


RSE-40GHz-60GHz-V

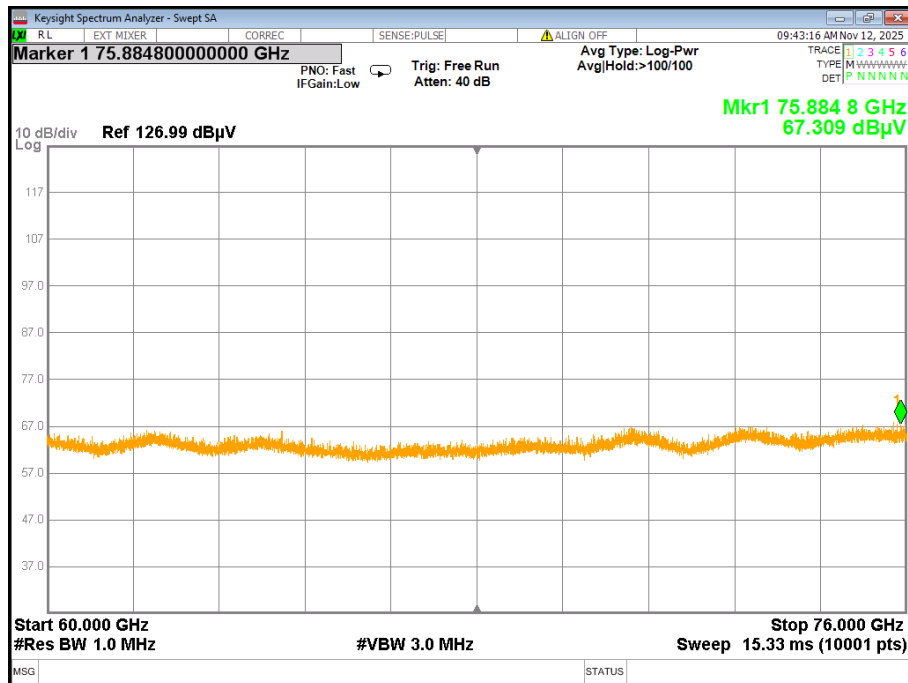




RSE-60GHz-76GHz-H

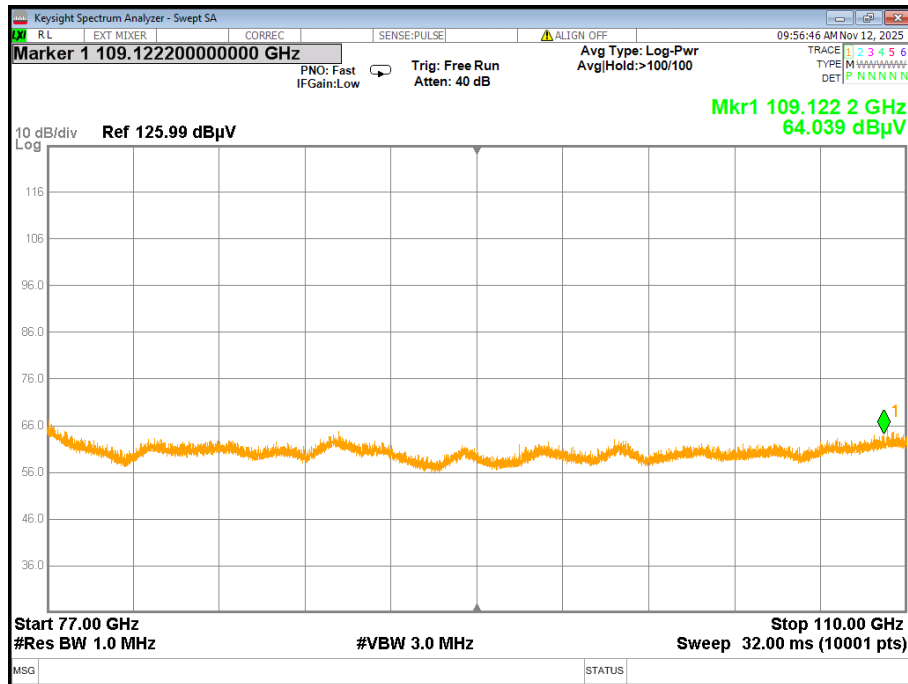


RSE-60GHz-76GHz-V

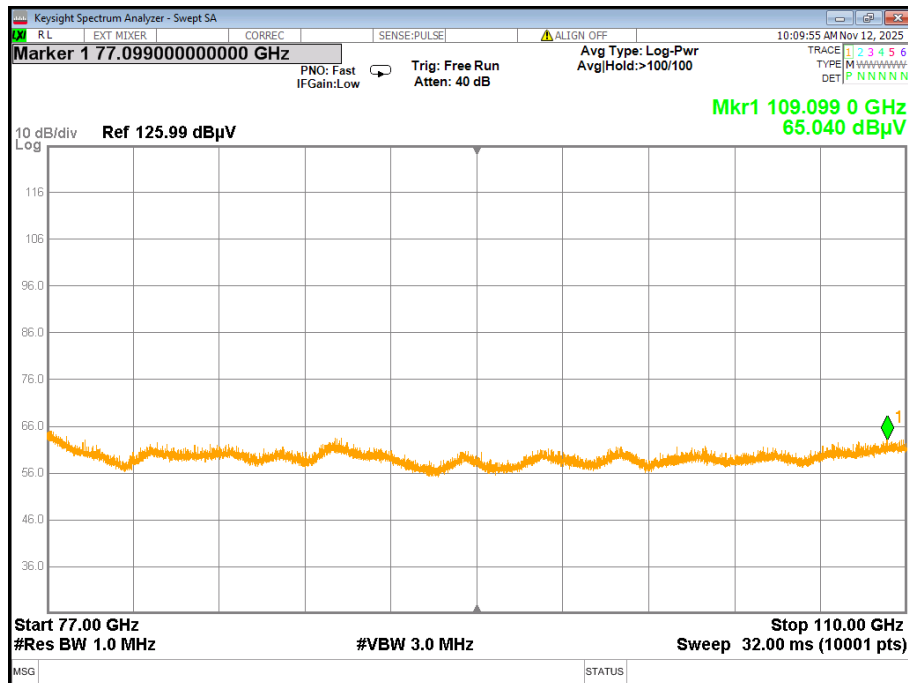




RSE-77GHz-110GHz-H

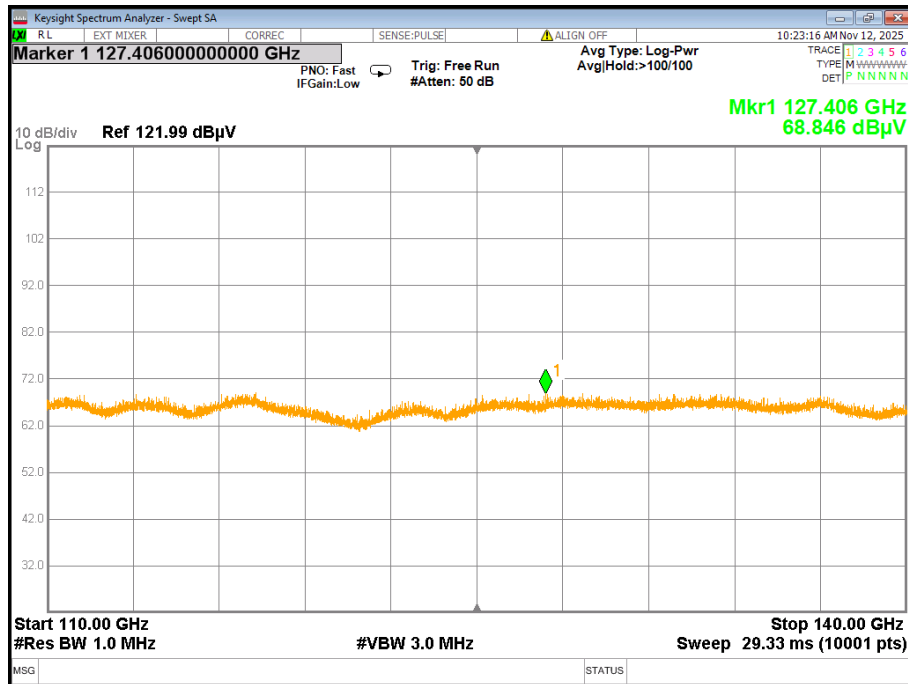


RSE-77GHz-110GHz-V

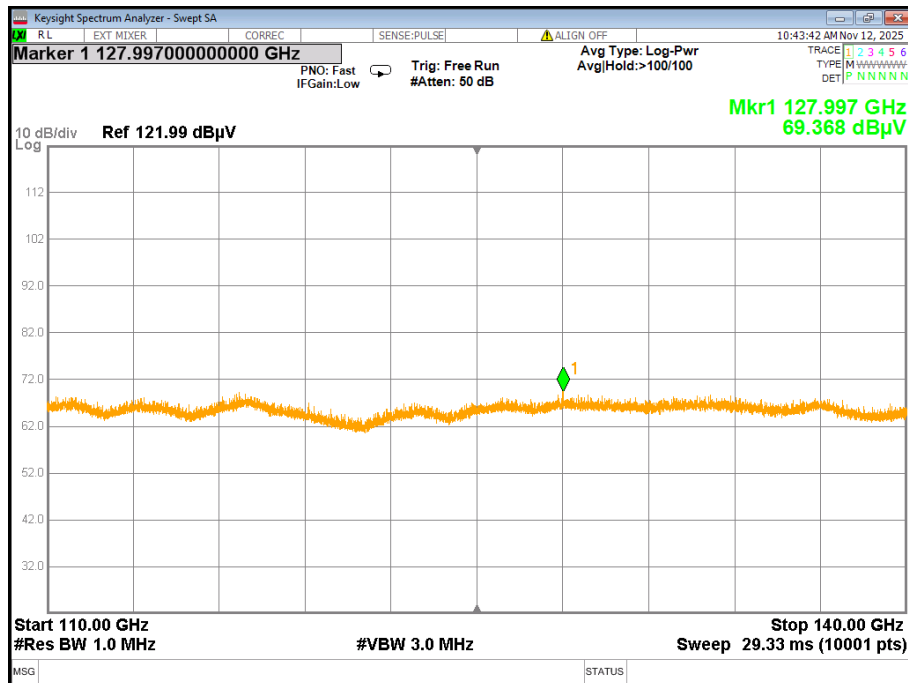




RSE-110GHz-140GHz-H

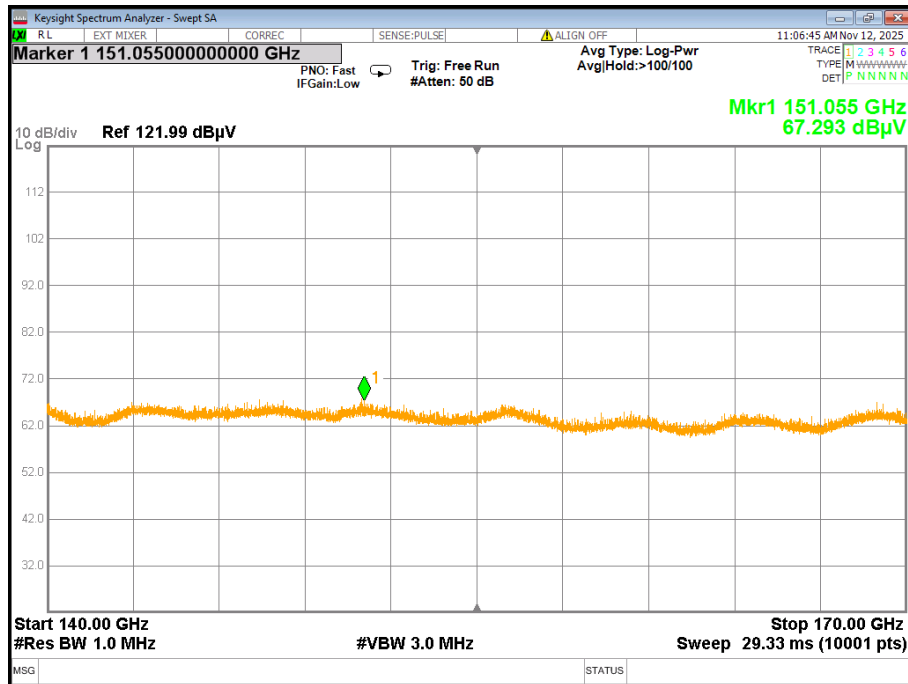


RSE-110GHz-140GHz-V

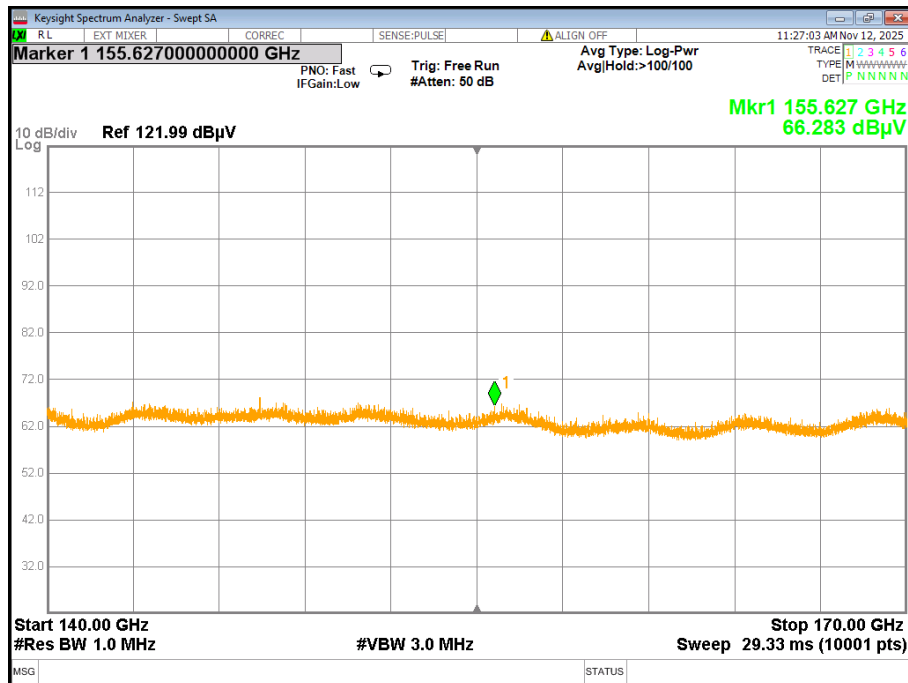




RSE-140GHz-170GHz-H

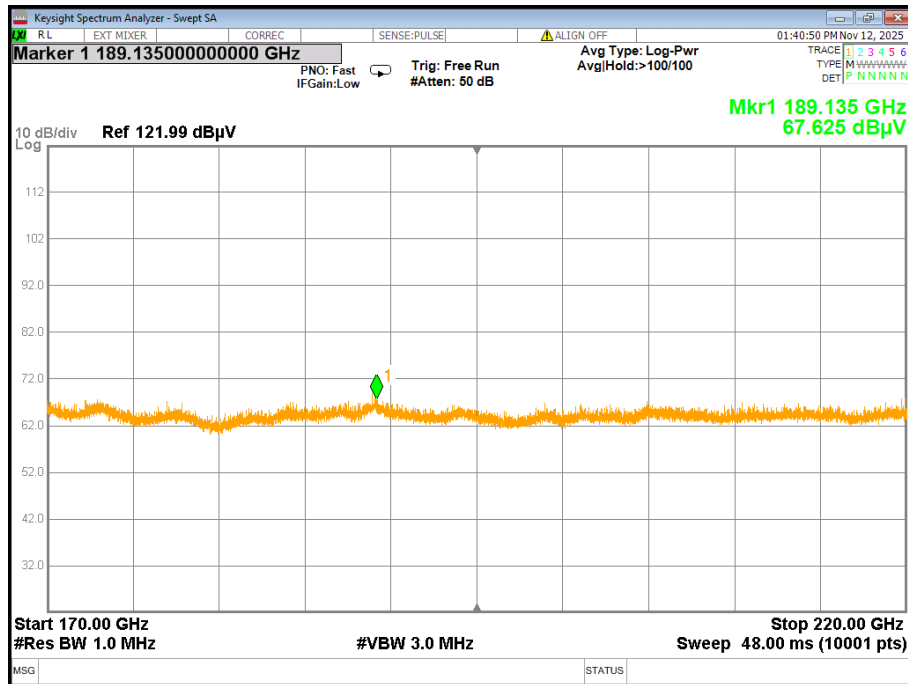


RSE-140GHz-170GHz-V

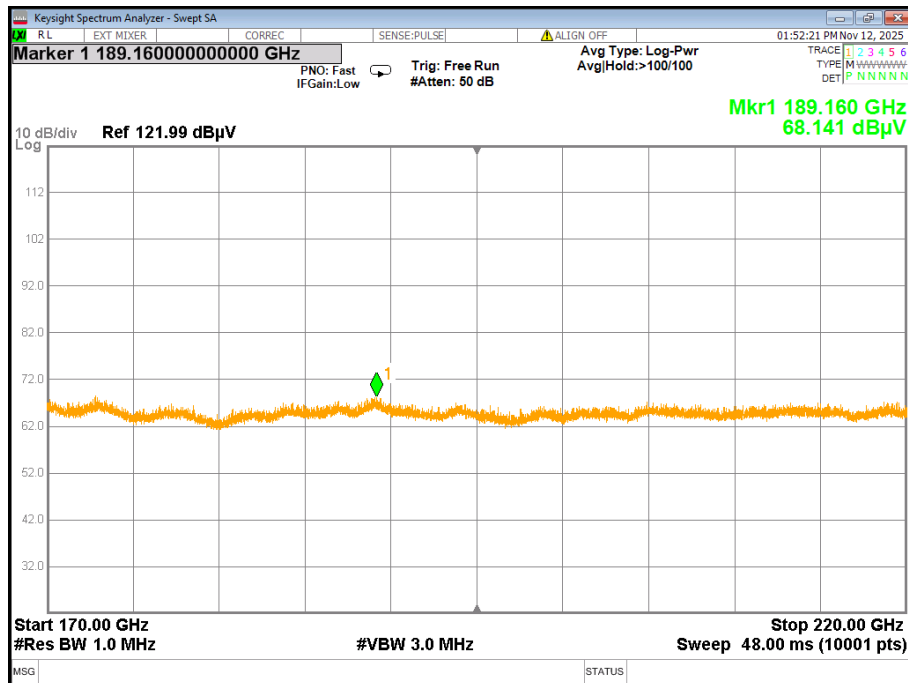




RSE-170GHz-220GHz-H

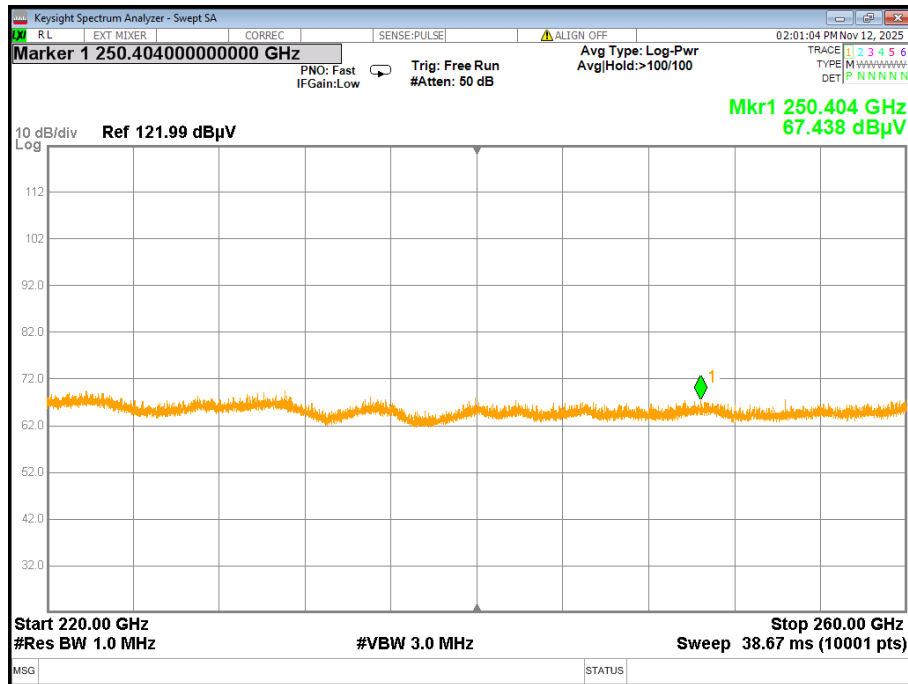


RSE-170GHz-220GHz-V

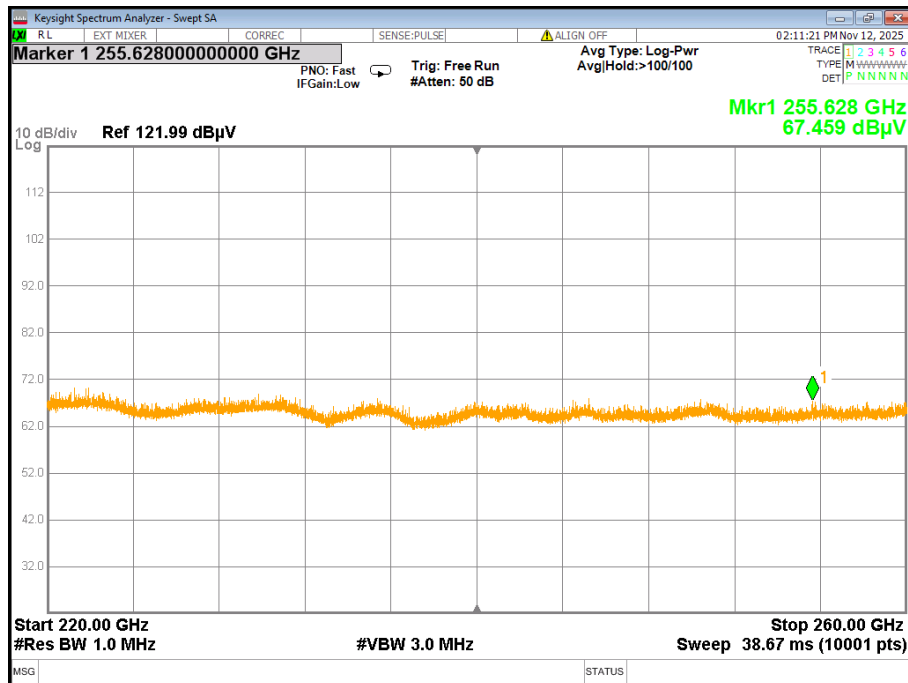




RSE-220GHz-260GHz-H



RSE-220GHz-260GHz-V





APPENDIX 1-MEASUREMENT PHOTOS

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※