

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.720	2402.360	0.5	PASS
		2440	0.648	2439.712	2440.360	0.5	PASS
		2480	0.632	2479.720	2480.352	0.5	PASS





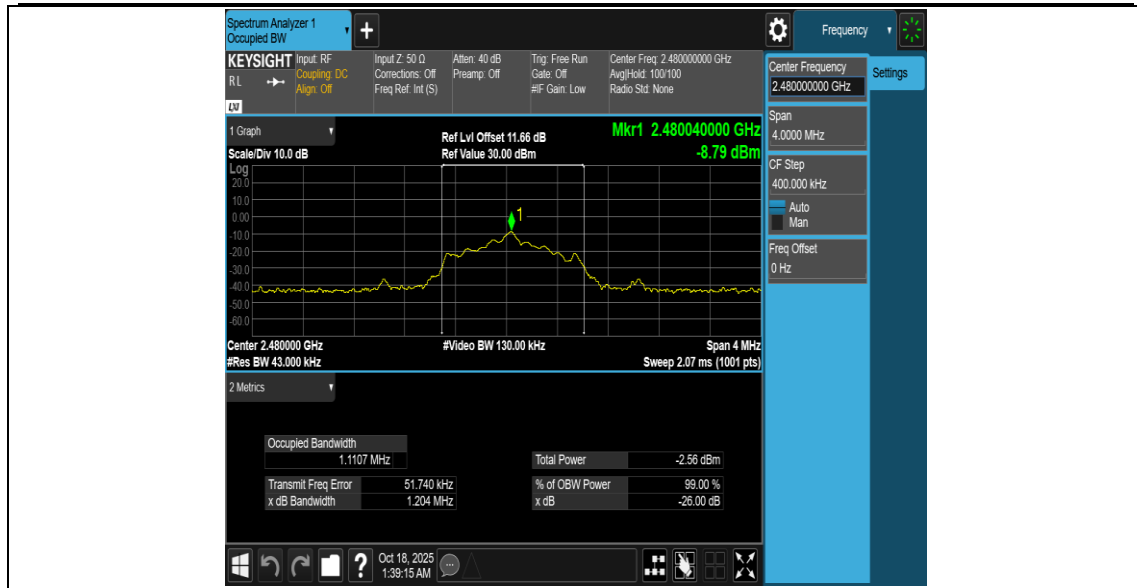
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0829	2401.5068	2402.5897	---	---
		2440	1.0997	2439.4989	2440.5986	---	---
		2480	1.1107	2479.4964	2480.6071	---	---

Test Graphs



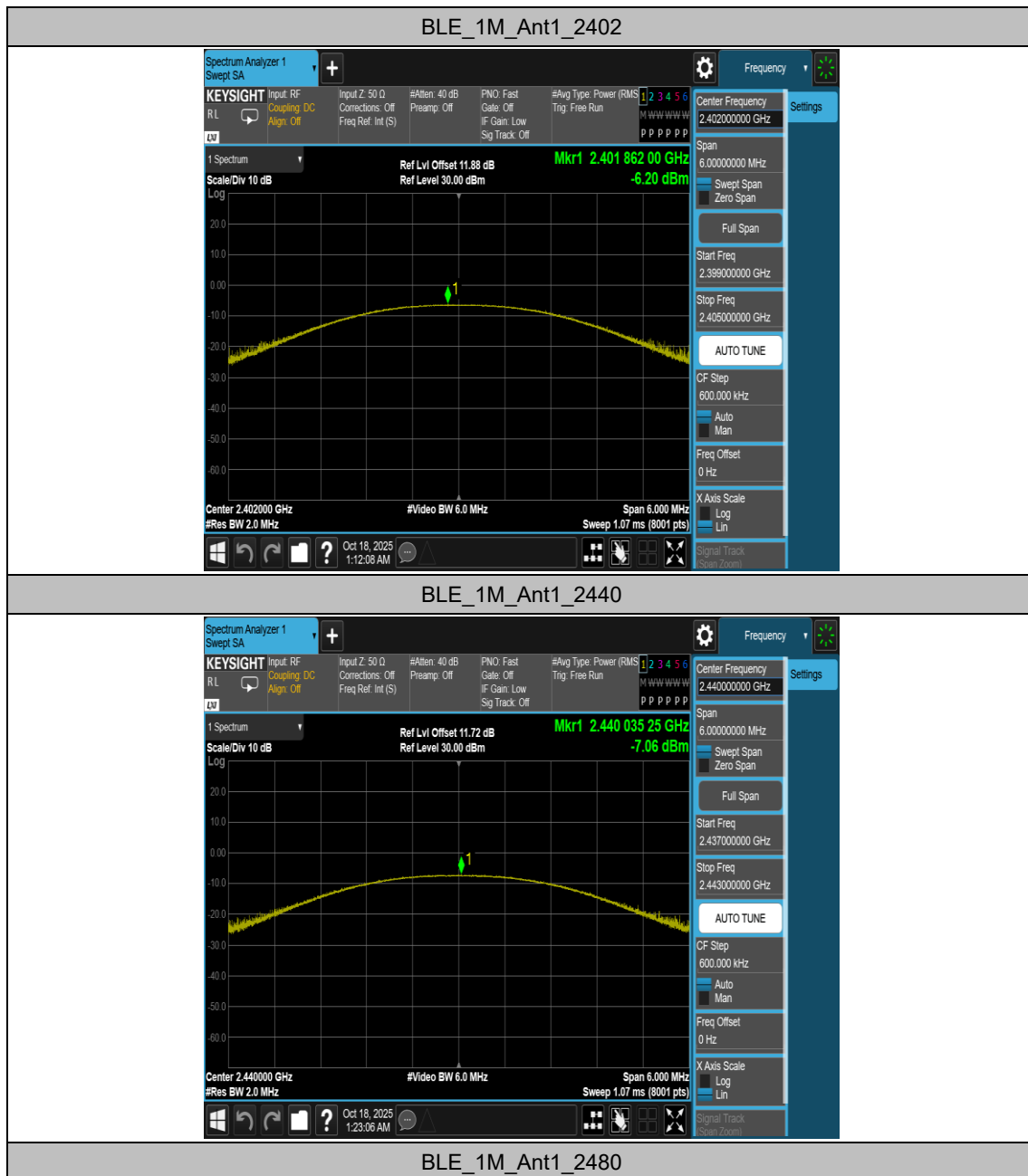


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]
BLE_1M	Ant1	2402	-6.20	≤30
		2440	-7.06	≤30
		2480	-7.61	≤30

Test Graphs Peak





Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.27	≤8.00	PASS
		2440	-9.04	≤8.00	PASS
		2480	-9.63	≤8.00	PASS

Test Graphs



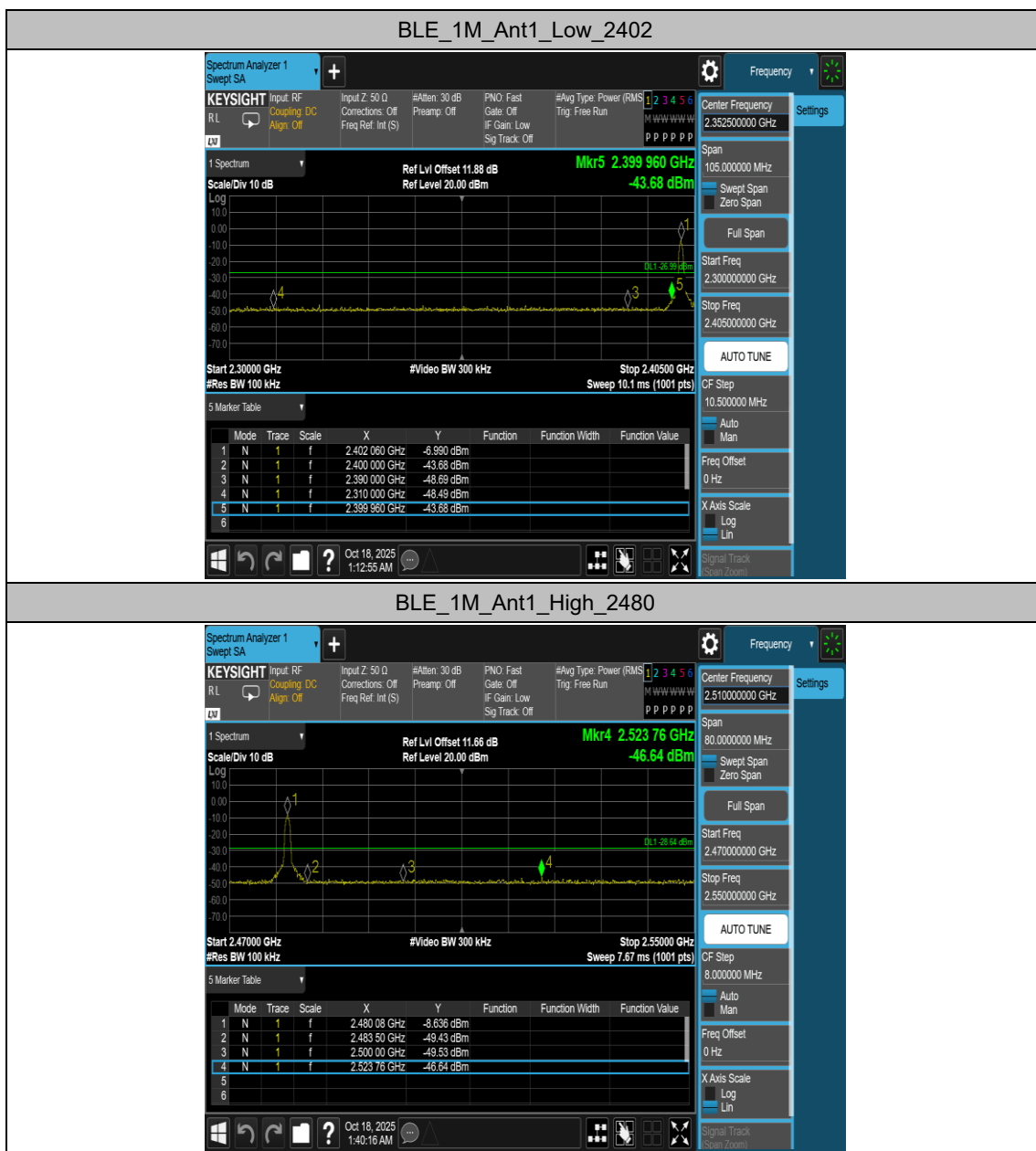


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.99	-43.68	≤-26.99	PASS
		High	2480	-8.64	-46.64	≤-28.64	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-7.34	-7.34	---	PASS
			30~1000	-7.34	-58.4	≤-27.34	PASS
			1000~26500	-7.34	-30.4	≤-27.34	PASS
		2440	Reference	-8.30	-8.30	---	PASS
			30~1000	-8.30	-58.32	≤-28.3	PASS
			1000~26500	-8.30	-34.21	≤-28.3	PASS
		2480	Reference	-8.86	-8.86	---	PASS
			30~1000	-8.86	-57.95	≤-28.86	PASS
			1000~26500	-8.86	-33.55	≤-28.86	PASS

Test Graphs

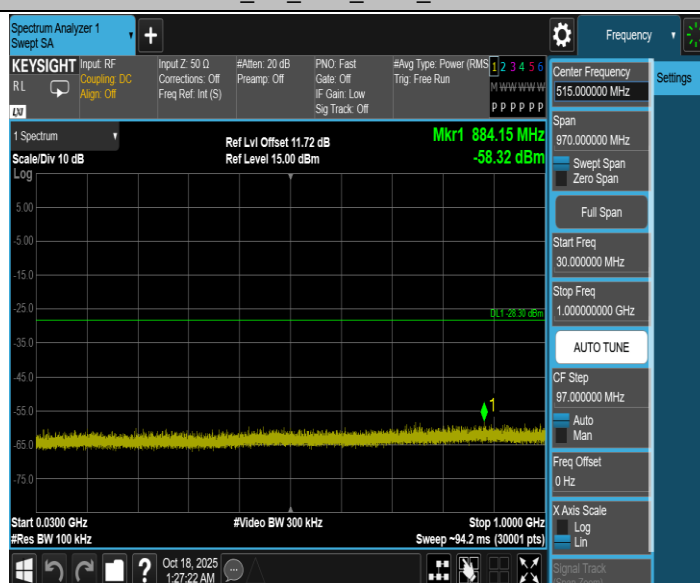




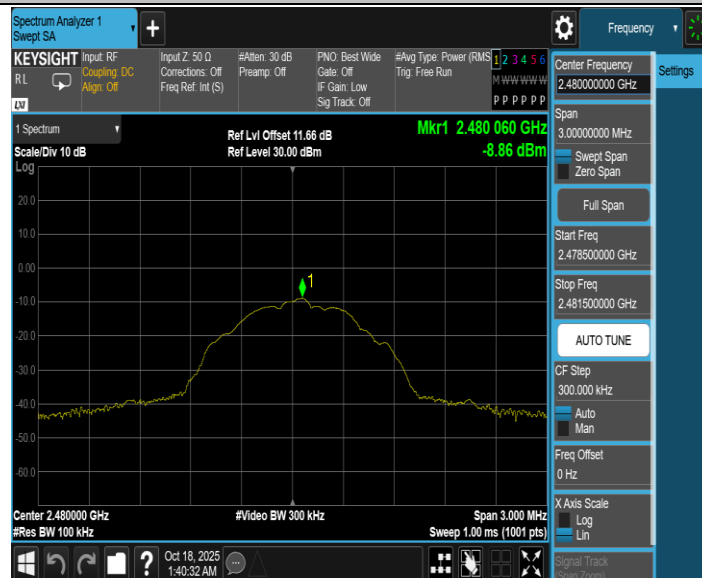
BLE_1M_Ant1_2440_0~Reference

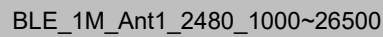


BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500

BLE_1M_Ant1_2480_0~Reference

BLE_1M_Ant1_2480_30~1000



Appendix G: Duty Cycle

Test Result

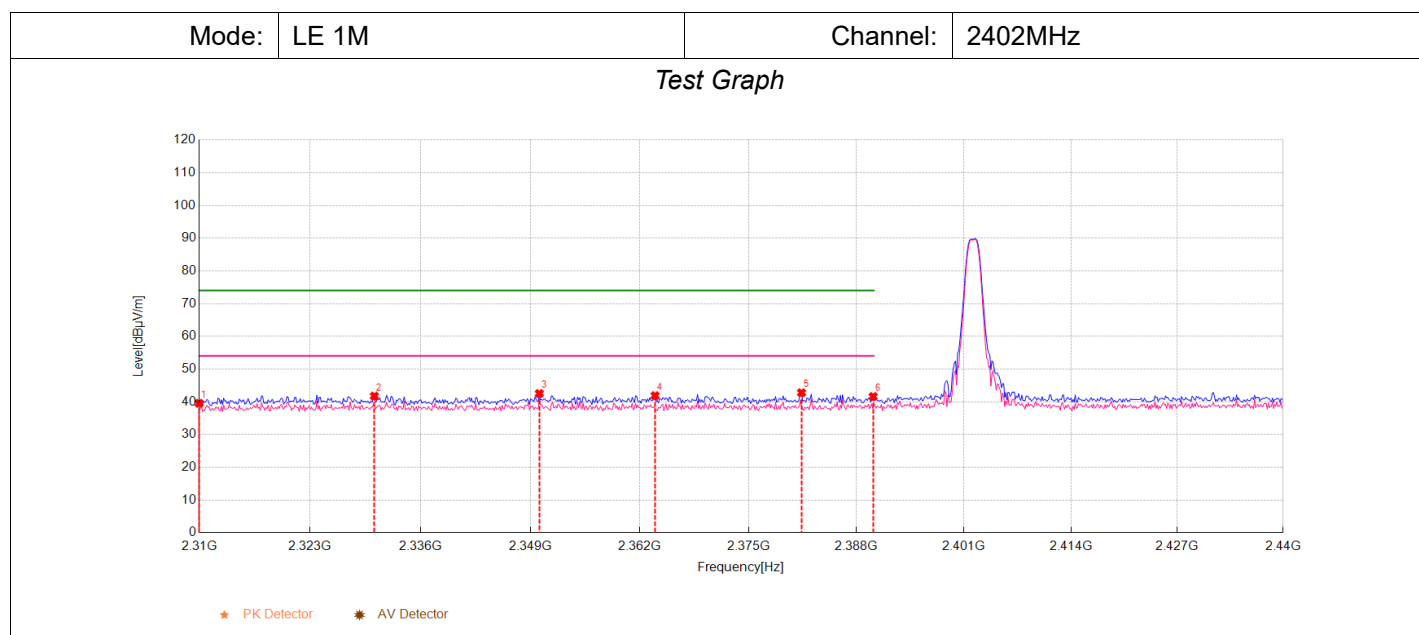
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.40	0.63	63.49
		2440	0.40	0.63	63.49
		2480	0.40	0.63	63.49

Test Graphs





Appendix H: Restricted Band



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2310.0000	36.88	39.55	2.67	74.00	34.45	150	110	PK	Horizontal	PASS
2	2330.5400	38.95	41.75	2.80	74.00	32.25	150	40	PK	Horizontal	PASS
3	2350.0400	39.49	42.54	3.05	74.00	31.46	150	230	PK	Horizontal	PASS
4	2363.8200	38.94	41.88	2.94	74.00	32.12	150	280	PK	Horizontal	PASS
5	2381.3700	39.75	42.78	3.03	74.00	31.22	150	350	PK	Horizontal	PASS
6	2390.0000	38.67	41.62	2.95	74.00	32.38	150	340	PK	Horizontal	PASS

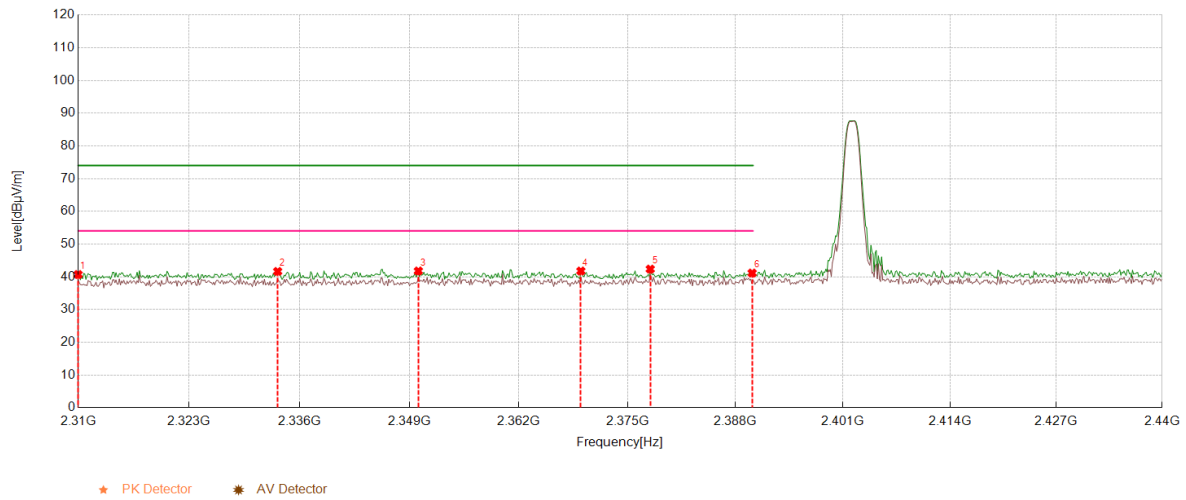
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: LE 1M

Channel: 2402MHz

Test Graph



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2310.0000	38.03	40.70	2.67	74.00	33.30	150	210	PK	Vertical	PASS
2	2333.4000	38.87	41.64	2.77	74.00	32.36	150	270	PK	Vertical	PASS
3	2350.0400	38.73	41.78	3.05	74.00	32.22	150	60	PK	Vertical	PASS
4	2369.4100	38.74	41.77	3.03	74.00	32.23	150	190	PK	Vertical	PASS
5	2377.7300	39.27	42.35	3.08	74.00	31.65	150	80	PK	Vertical	PASS
6	2390.0000	38.19	41.14	2.95	74.00	32.86	150	260	PK	Vertical	PASS

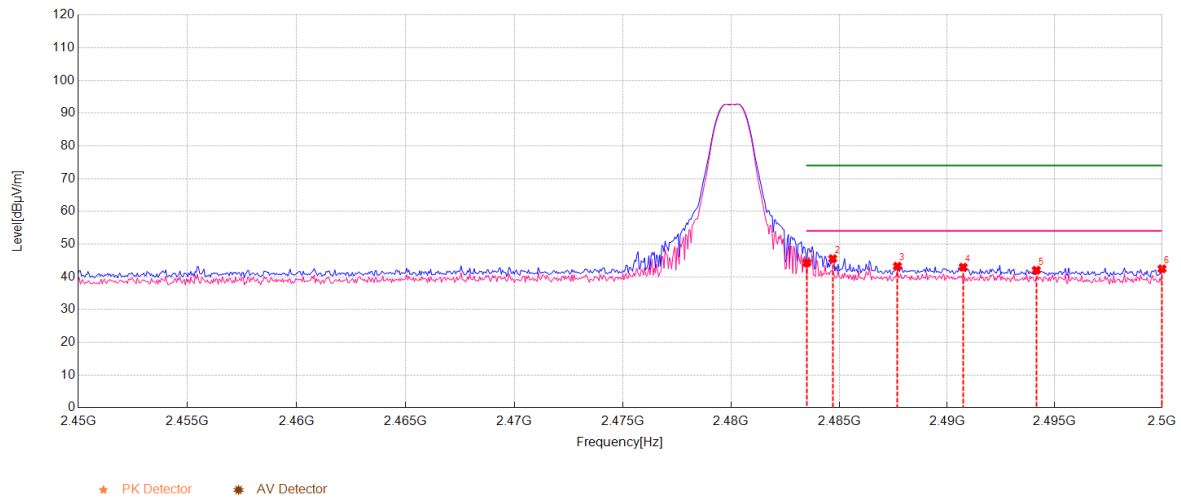
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: LE 1M

Channel: 2480MHz

Test Graph



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2483.5000	40.82	44.28	3.46	74.00	29.72	150	160	PK	Horizontal	PASS
2	2484.7000	42.02	45.54	3.52	74.00	28.46	150	110	PK	Horizontal	PASS
3	2487.7000	39.76	43.24	3.48	74.00	30.76	150	210	PK	Horizontal	PASS
4	2490.7500	39.38	42.93	3.55	74.00	31.07	150	280	PK	Horizontal	PASS
5	2494.1500	38.42	42.01	3.59	74.00	31.99	150	210	PK	Horizontal	PASS
6	2500.0000	38.94	42.44	3.50	74.00	31.56	150	190	PK	Horizontal	PASS

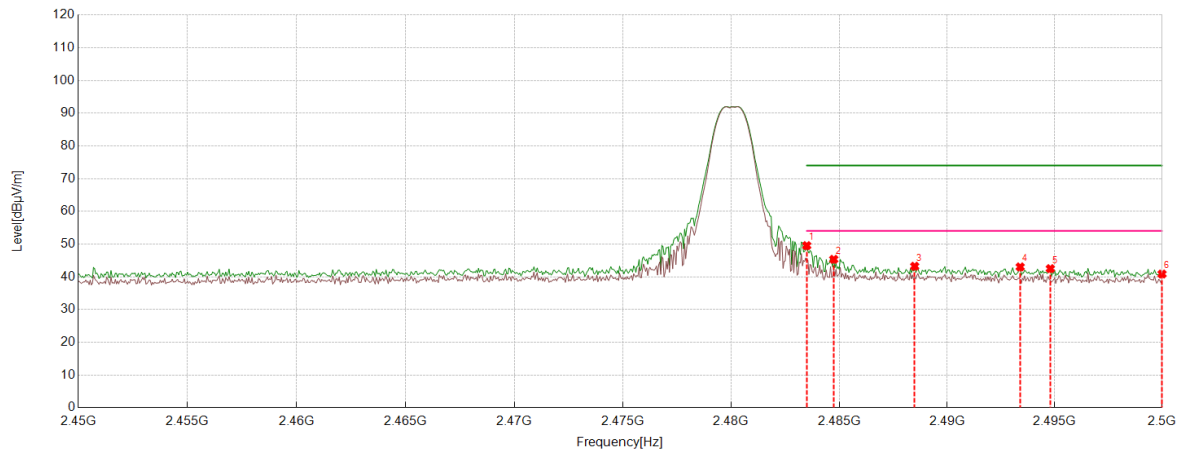
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: LE 1M

Channel: 2480MHz

Test Graph



★ PK Detector ★ AV Detector

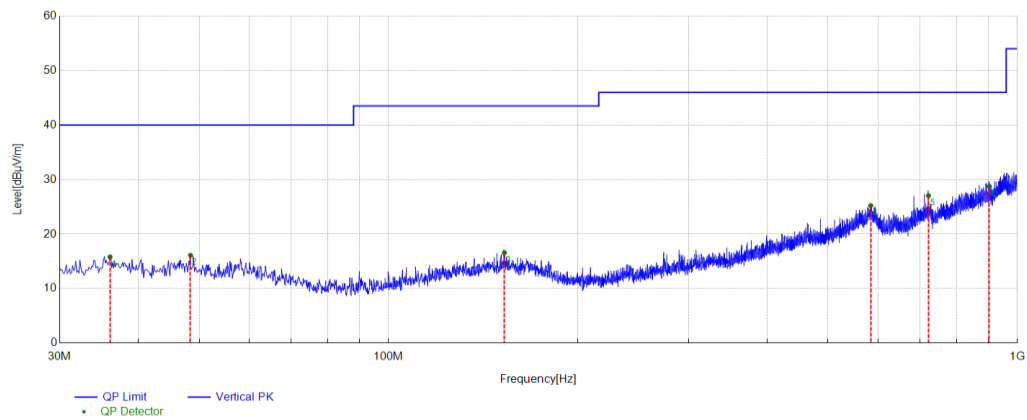
Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2483.5000	46.07	49.53	3.46	74.00	24.47	150	350	PK	Vertical	PASS
2	2484.7500	41.82	45.34	3.52	74.00	28.66	150	180	PK	Vertical	PASS
3	2488.5000	39.72	43.22	3.50	74.00	30.78	150	240	PK	Vertical	PASS
4	2493.4000	39.44	43.02	3.58	74.00	30.98	150	350	PK	Vertical	PASS
5	2494.8000	38.92	42.49	3.57	74.00	31.51	150	240	PK	Vertical	PASS
6	2500.0000	37.35	40.85	3.50	74.00	33.15	150	180	PK	Vertical	PASS

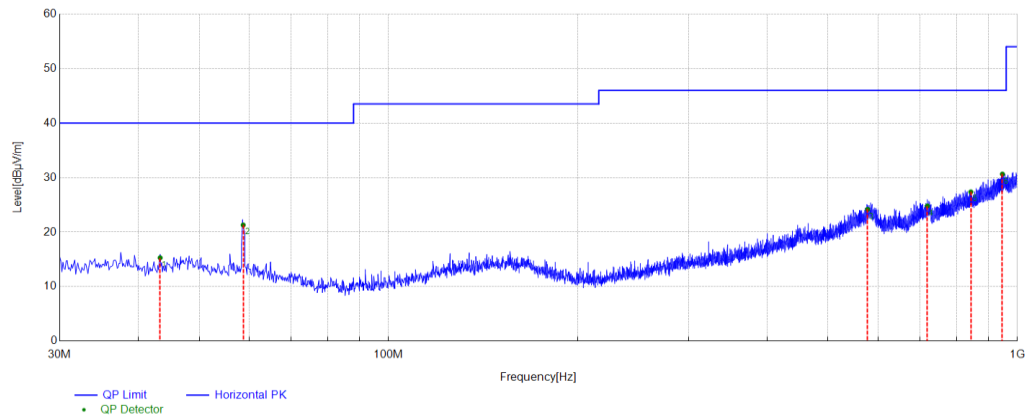
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Appendix I: Spurious emissions



Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	36.0625	-14.38	15.83	40.00	24.17	100	50	Vertical	PASS
2	48.4300	-14.35	16.12	40.00	23.88	100	164	Vertical	PASS
3	152.8262	-14.06	16.60	43.50	26.90	200	48	Vertical	PASS
4	584.4763	-7.16	25.24	46.00	20.76	200	234	Vertical	PASS
5	722.2162	-4.67	27.07	46.00	18.93	200	287	Vertical	PASS
6	902.5150	-1.32	28.75	46.00	17.25	200	127	Vertical	PASS



Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	43.3375	-14.13	15.30	40.00	24.70	100	319	Horizontal	PASS
2	58.7362	-15.04	21.31	40.00	18.69	200	105	Horizontal	PASS
3	577.9288	-7.47	24.19	46.00	21.81	200	252	Horizontal	PASS
4	719.3062	-4.75	24.81	46.00	21.19	100	84	Horizontal	PASS
5	843.2238	-2.58	27.38	46.00	18.62	200	248	Horizontal	PASS
6	946.6500	0.23	30.65	46.00	15.35	200	0	Horizontal	PASS

Mode:	LE 1M-2402
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Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1375.0000	40.25	39.90	-0.35	74.00	34.10	150	92	PK	Horizontal	PASS
2	1823.2000	40.31	41.49	1.18	74.00	32.51	150	157	PK	Horizontal	PASS
3	4429.0000	54.96	39.09	-15.87	74.00	34.91	150	51	PK	Horizontal	PASS
4	6113.5000	52.75	41.84	-10.91	74.00	32.16	150	112	PK	Horizontal	PASS
5	7987.0000	52.21	44.89	-7.32	74.00	29.11	150	256	PK	Horizontal	PASS
6	11263.5000	50.34	47.27	-3.07	74.00	26.73	150	66	PK	Horizontal	PASS

Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1334.4000	39.63	39.11	-0.52	74.00	34.89	150	162	PK	Vertical	PASS
2	1841.2000	39.22	40.55	1.33	74.00	33.45	150	36	PK	Vertical	PASS
3	4280.0000	55.29	38.96	-16.33	74.00	35.04	150	104	PK	Vertical	PASS
4	6574.5000	54.27	44.19	-10.08	74.00	29.81	150	274	PK	Vertical	PASS
5	8855.5000	52.39	45.64	-6.75	74.00	28.36	150	215	PK	Vertical	PASS
6	11700.5000	49.62	47.15	-2.47	74.00	26.85	150	274	PK	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode:	LE 1M-2440
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Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1261.6000	39.53	39.09	-0.44	74.00	34.91	150	50	PK	Horizontal	PASS
2	1758.6000	39.21	40.03	0.82	74.00	33.97	150	70	PK	Horizontal	PASS
3	4782.0000	54.22	39.81	-14.41	74.00	34.19	150	190	PK	Horizontal	PASS
4	8094.0000	53.85	46.16	-7.69	74.00	27.84	150	0	PK	Horizontal	PASS
5	9760.0000	51.70	47.11	-4.59	74.00	26.89	150	30	PK	Horizontal	PASS
6	11662.0000	49.36	47.19	-2.17	74.00	26.81	150	200	PK	Horizontal	PASS

Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1191.8000	39.01	38.54	-0.47	74.00	35.46	150	350	PK	Vertical	PASS
2	1651.6000	39.86	40.31	0.45	74.00	33.69	150	140	PK	Vertical	PASS
3	4450.0000	55.80	39.37	-16.43	74.00	34.63	150	210	PK	Vertical	PASS
4	5687.5000	53.96	41.30	-12.66	74.00	32.70	150	240	PK	Vertical	PASS
5	7178.0000	53.04	43.31	-9.73	74.00	30.69	150	180	PK	Vertical	PASS
6	9302.0000	51.74	46.28	-5.46	74.00	27.72	150	60	PK	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode:	LE 1M-2480
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Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1203.4000	39.76	39.50	-0.26	74.00	34.50	150	320	PK	Horizontal	PASS
2	1559.0000	39.41	39.60	0.19	74.00	34.40	150	170	PK	Horizontal	PASS
3	4220.0000	56.49	39.30	-17.19	74.00	34.70	150	340	PK	Horizontal	PASS
4	5060.5000	53.96	41.16	-12.80	74.00	32.84	150	70	PK	Horizontal	PASS
5	6492.5000	52.91	43.06	-9.85	74.00	30.94	150	140	PK	Horizontal	PASS
6	9841.0000	51.20	46.90	-4.30	74.00	27.10	150	320	PK	Horizontal	PASS

Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1213.6000	39.46	39.13	-0.33	74.00	34.87	150	250	PK	Vertical	PASS
2	2077.4000	39.53	41.55	2.02	74.00	32.45	150	150	PK	Vertical	PASS
3	4250.5000	55.64	38.65	-16.99	74.00	35.35	150	200	PK	Vertical	PASS
4	7040.5000	53.74	44.10	-9.64	74.00	29.90	150	230	PK	Vertical	PASS
5	8997.0000	51.48	45.12	-6.36	74.00	28.88	150	100	PK	Vertical	PASS
6	10726.0000	50.38	46.56	-3.82	74.00	27.44	150	240	PK	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level