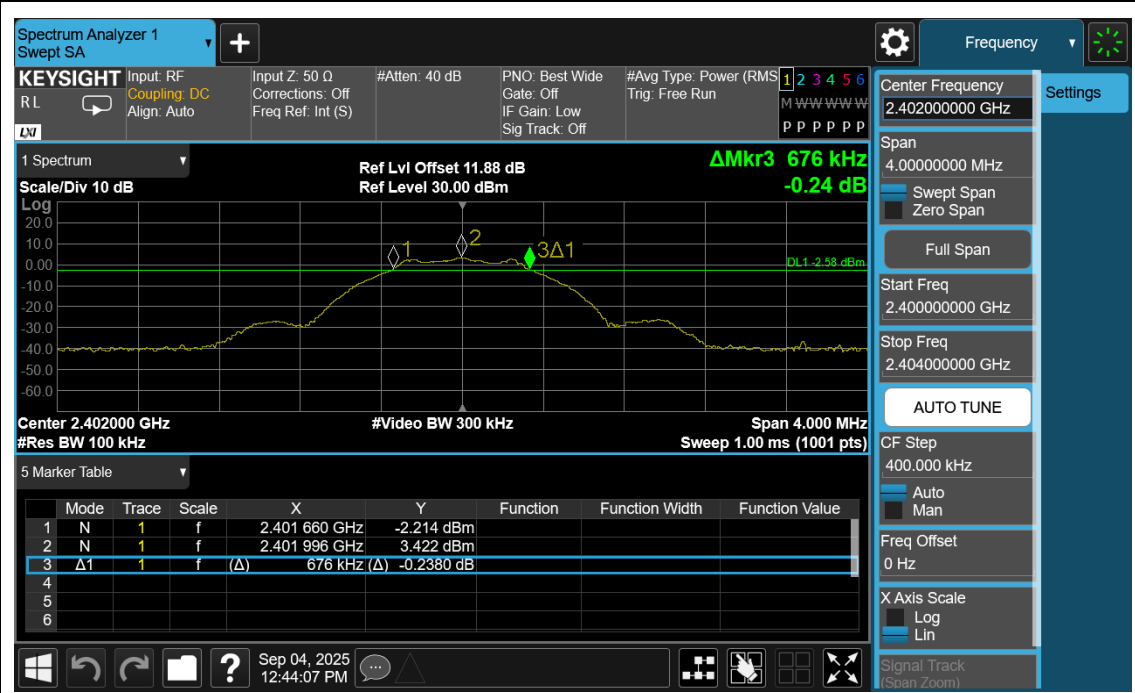


Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.660	2402.336	0.5	PASS
		2440	0.692	2439.644	2440.336	0.5	PASS
		2480	0.712	2479.640	2480.352	0.5	PASS

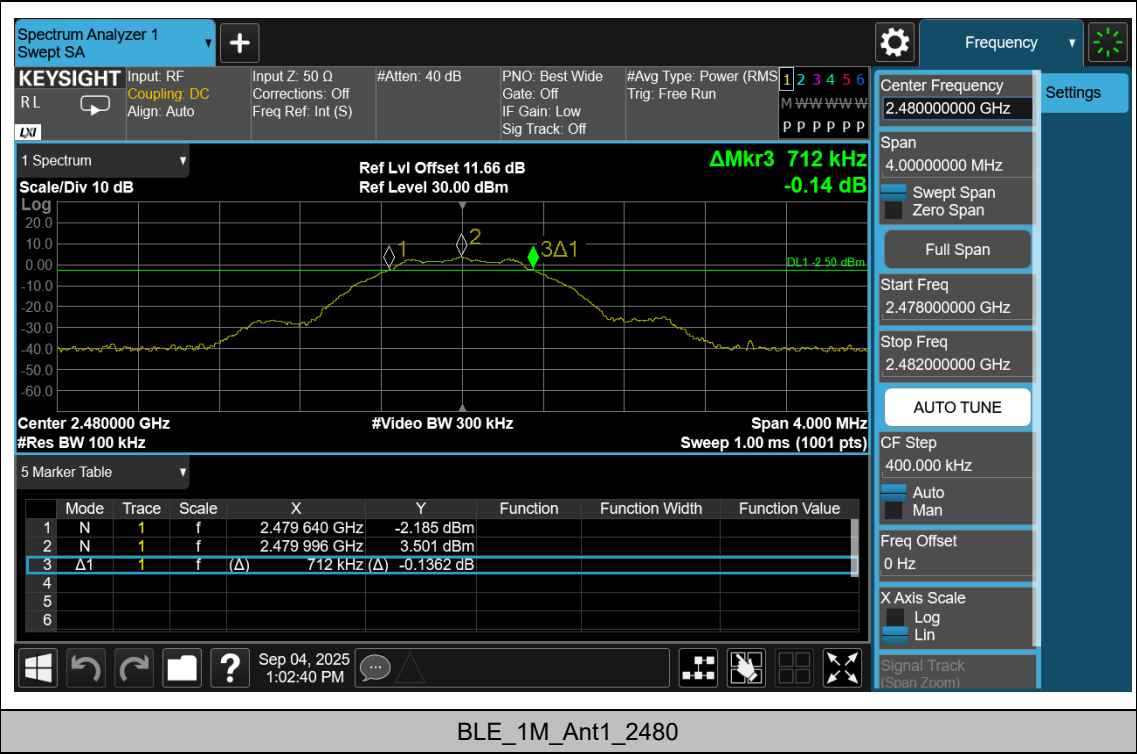
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

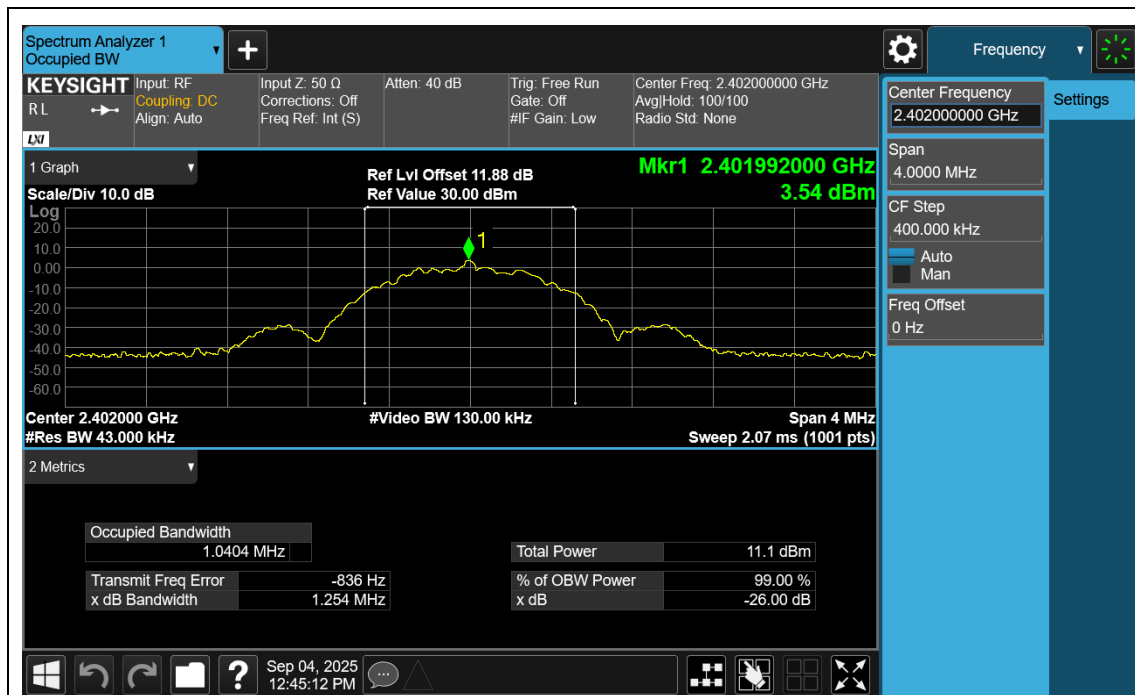


Appendix B: Occupied Channel Bandwidth

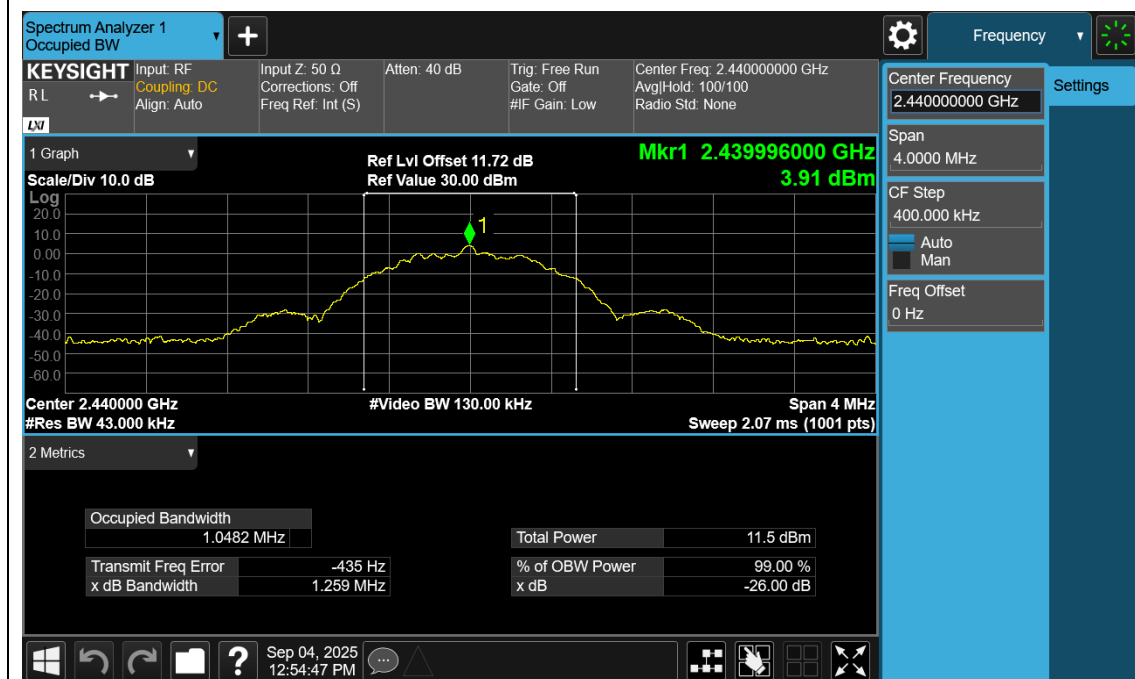
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0404	2401.4790	2402.5194	---	---
		2440	1.0482	2439.4755	2440.5237	---	---
		2480	1.0442	2479.4782	2480.5224	---	---

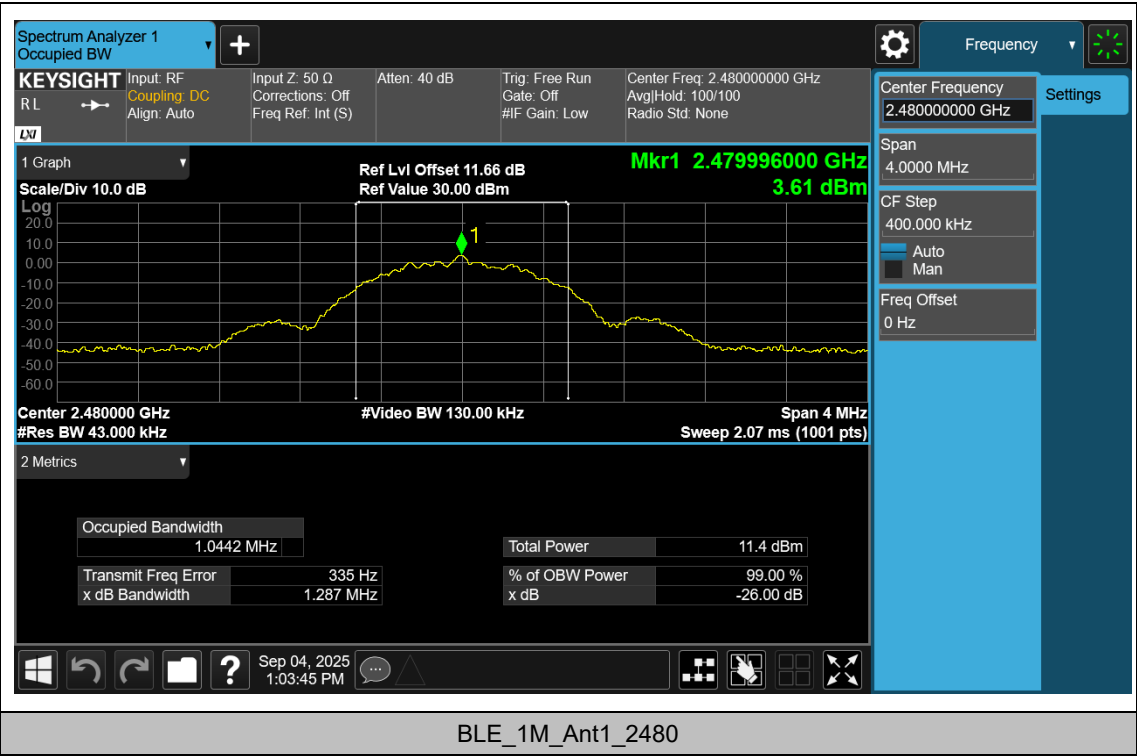
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

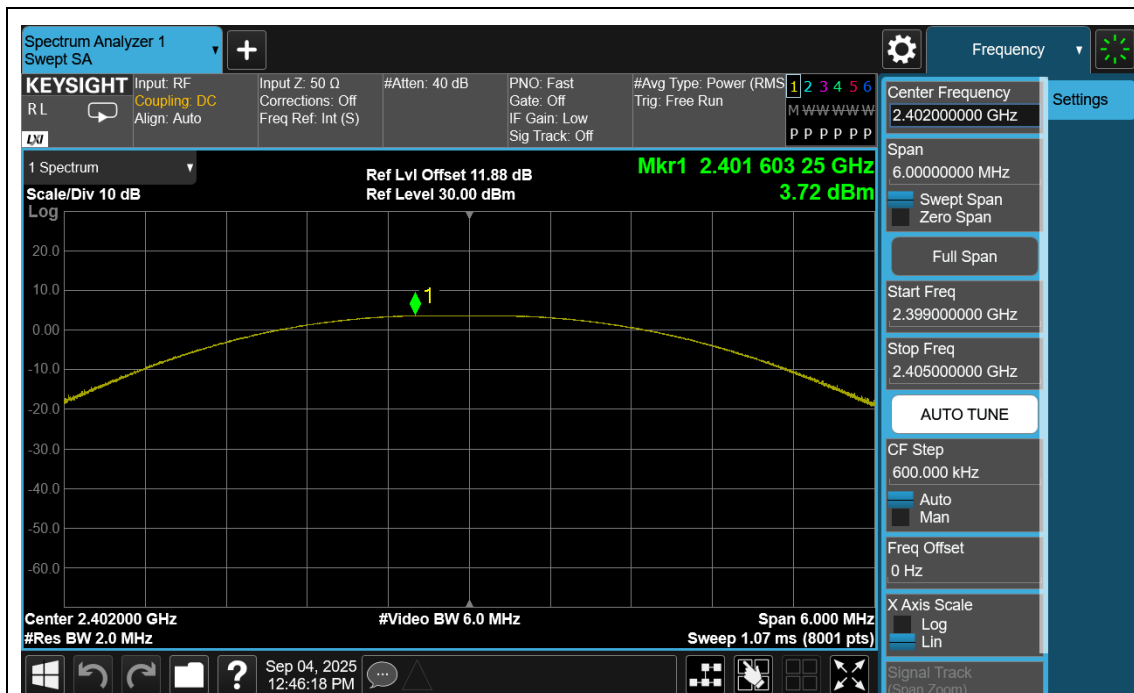


Appendix C: Maximum conducted output power

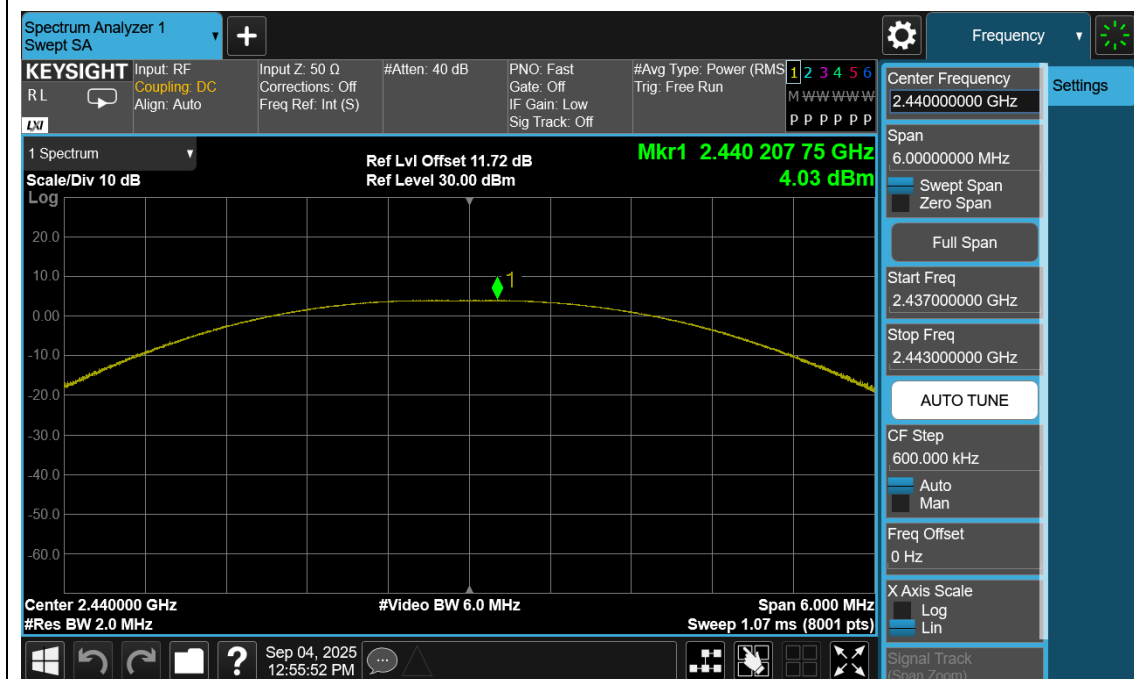
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.72	≤30	6.39	≤36	PASS
		2440	4.03	≤30	6.70	≤36	PASS
		2480	3.77	≤30	6.44	≤36	PASS

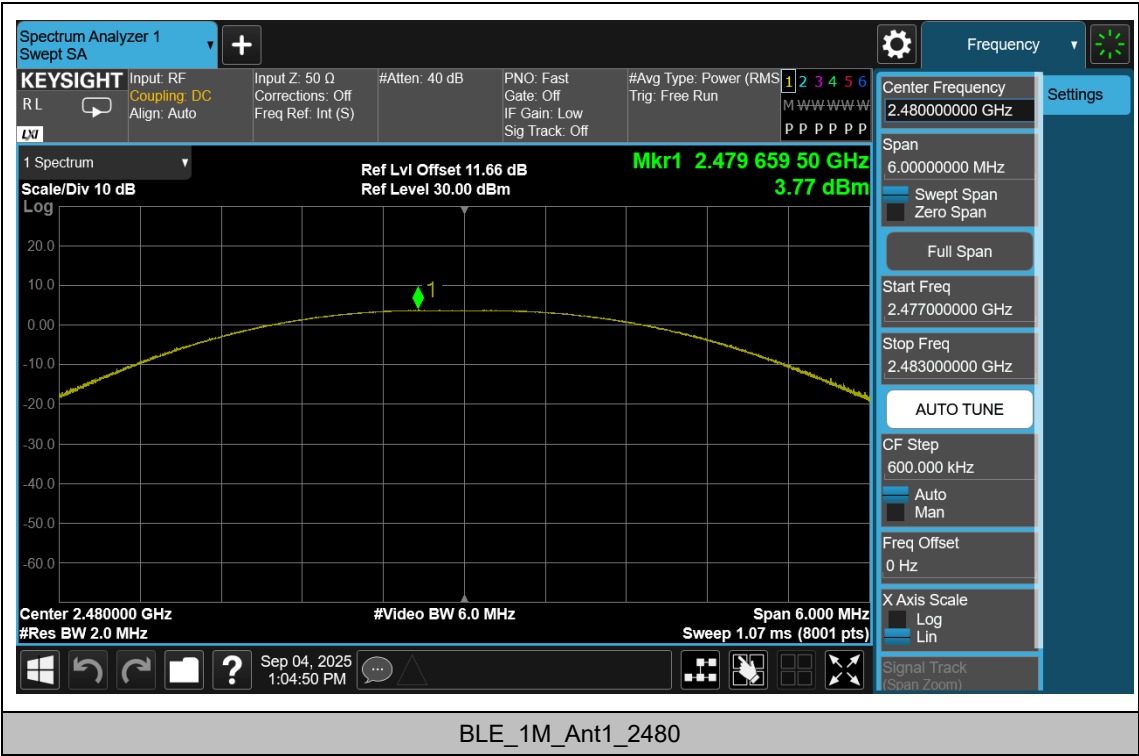
Test Graphs Peak



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

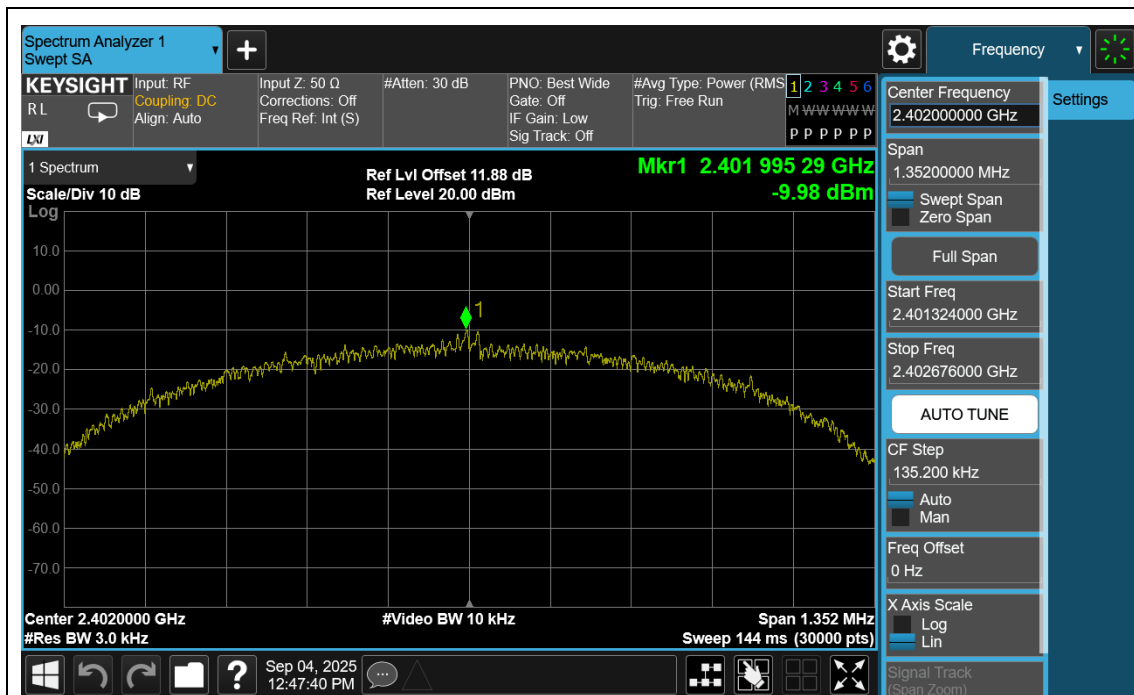


Appendix D: Maximum power spectral density

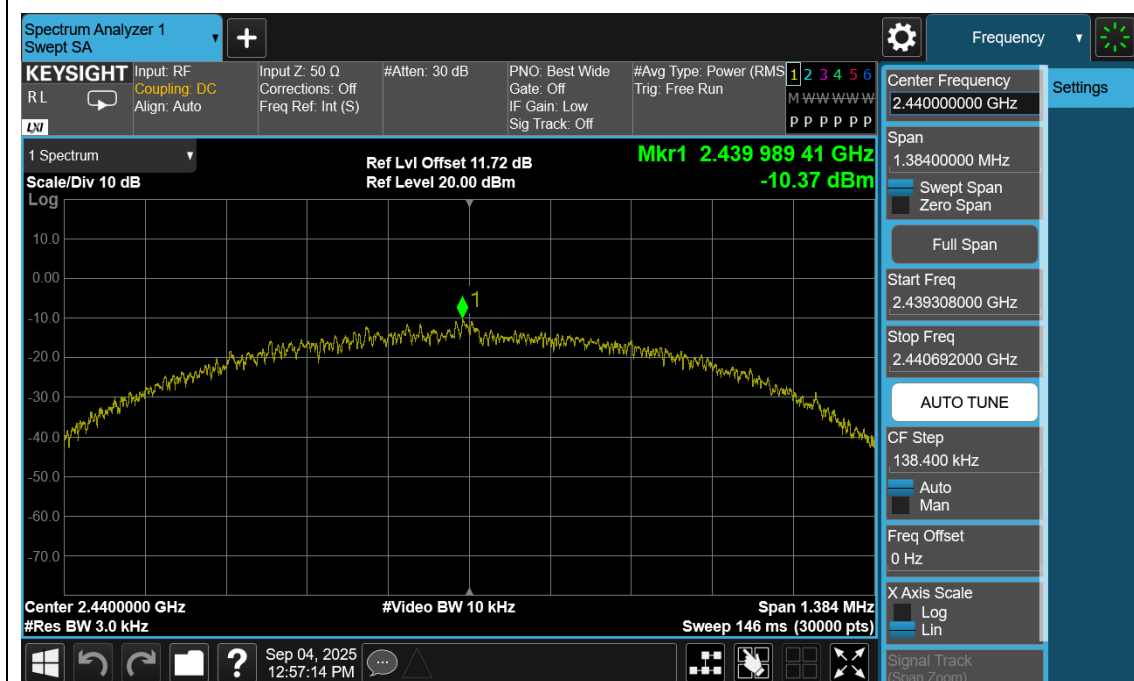
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.99	≤8.00	PASS
		2440	-10.37	≤8.00	PASS
		2480	-7.92	≤8.00	PASS

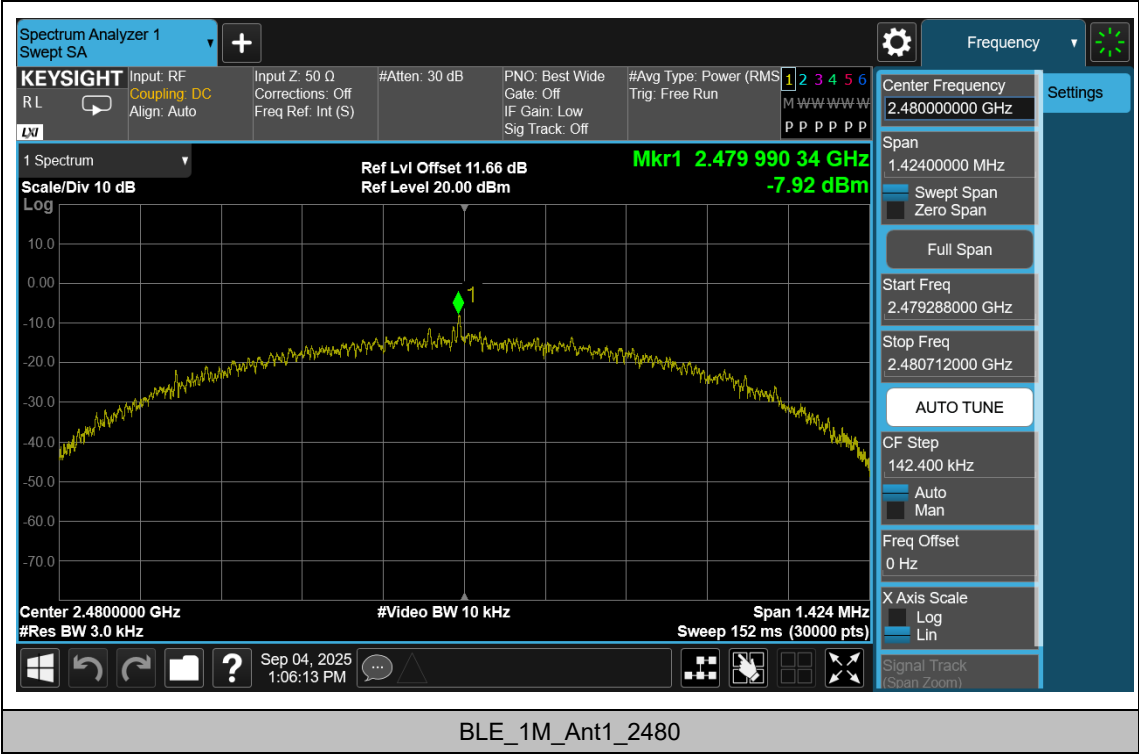
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

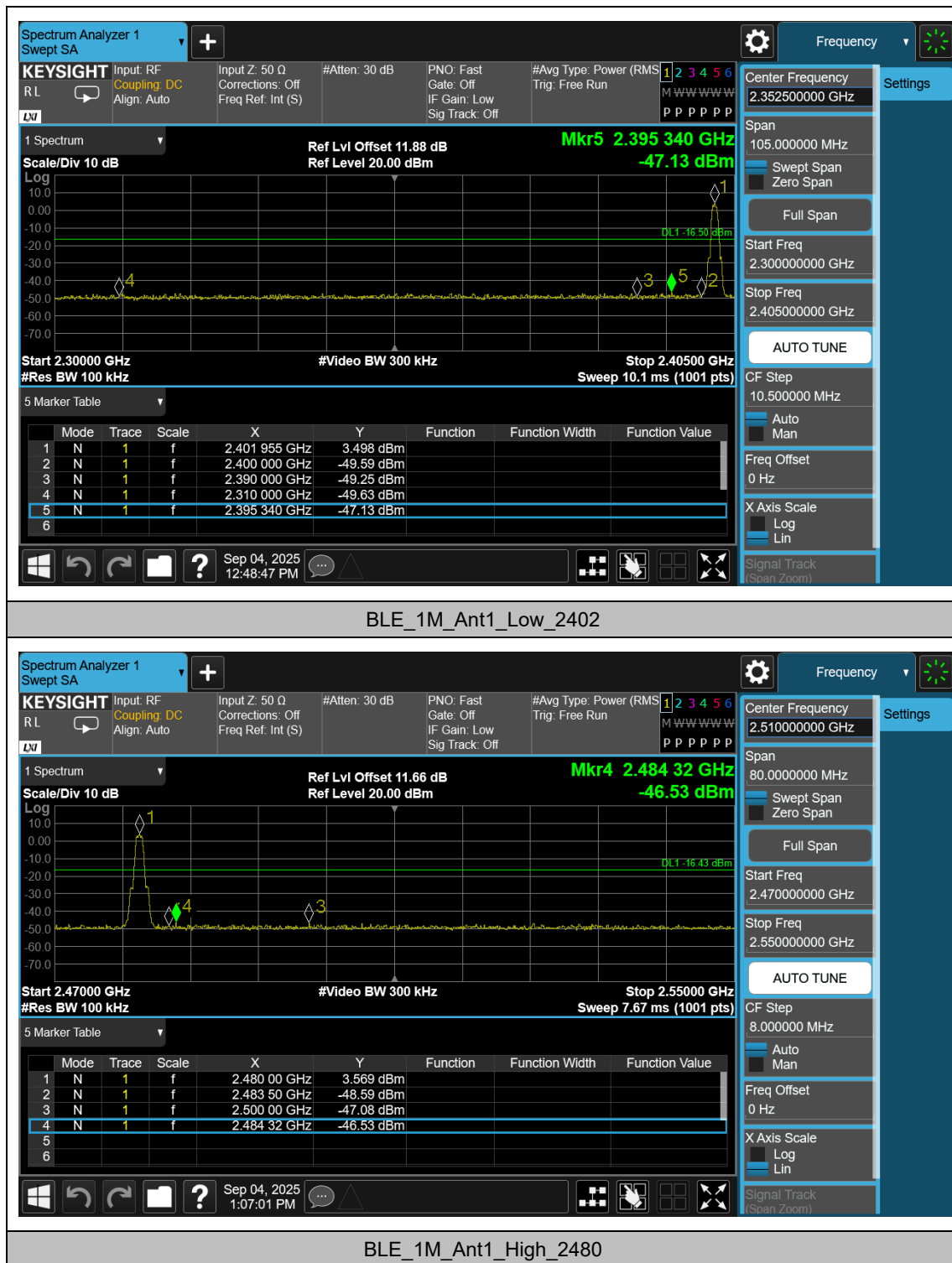


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.50	-47.13	≤-16.5	PASS
		High	2480	3.57	-46.53	≤-16.43	PASS

Test Graphs

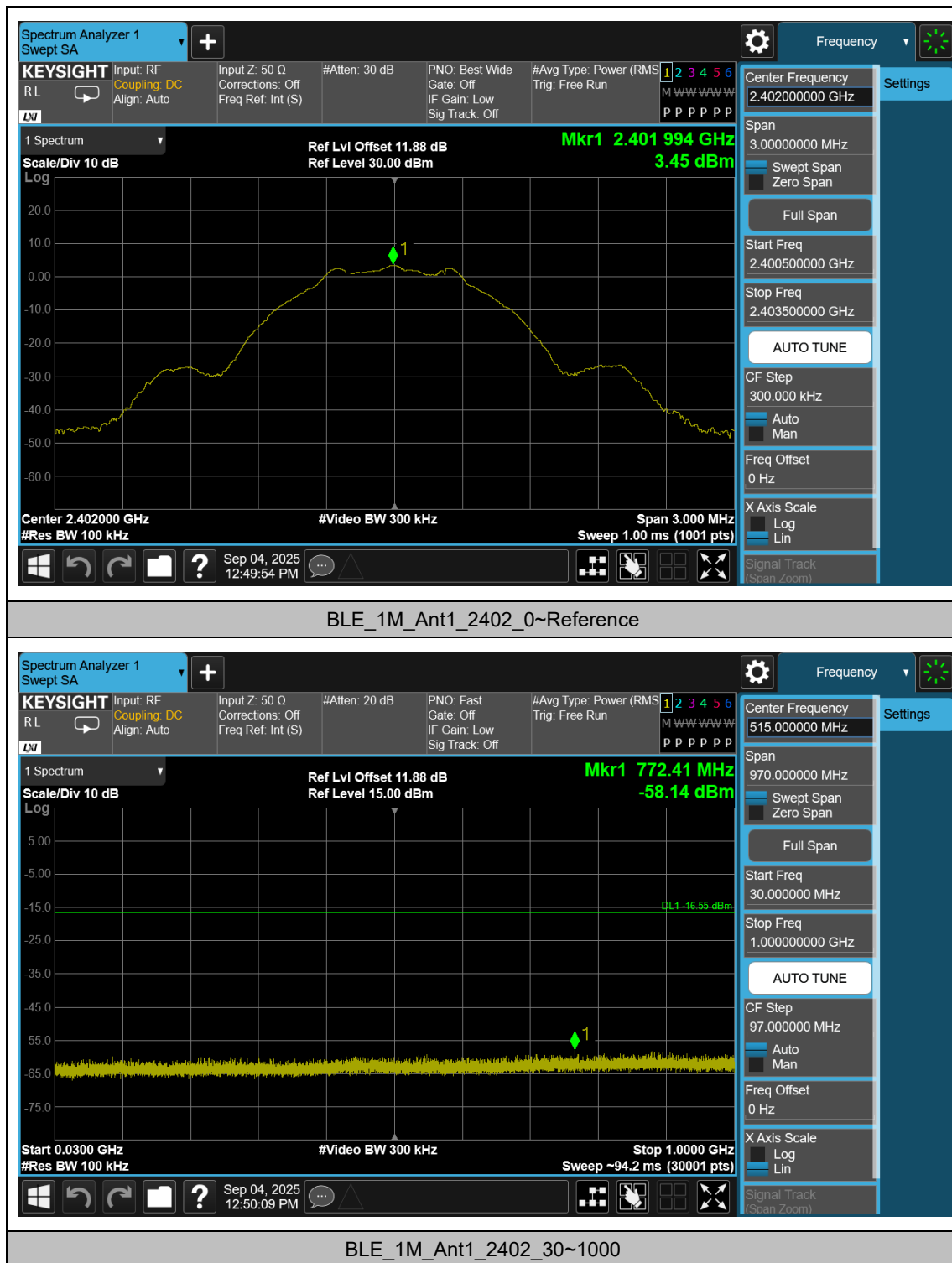


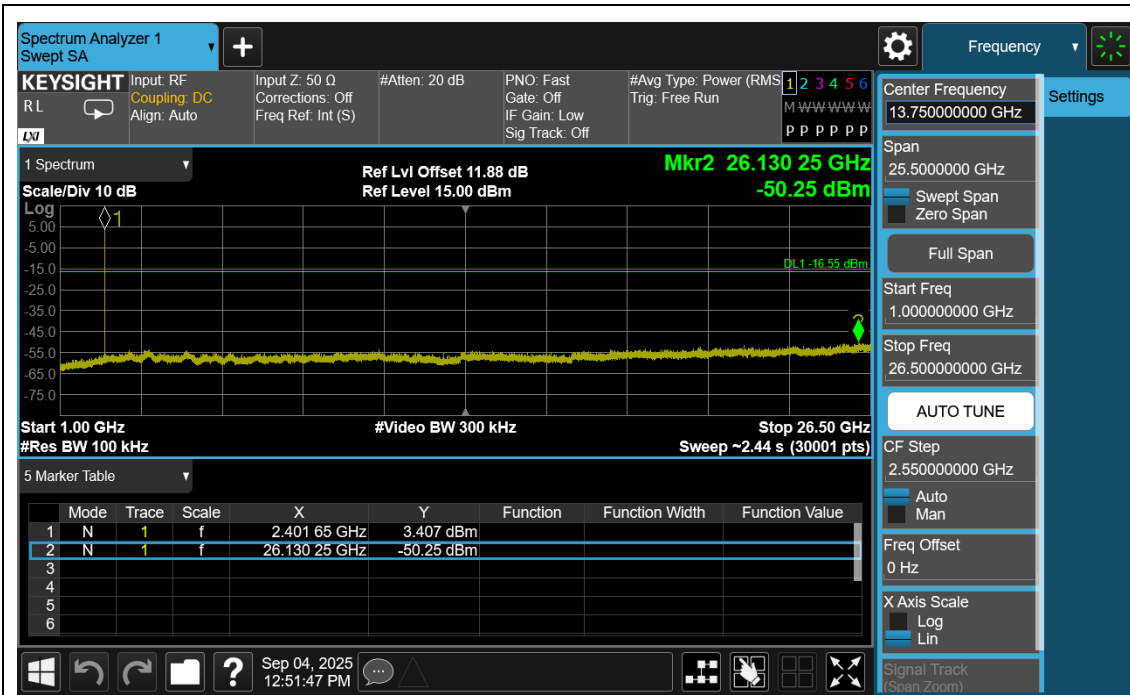
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-58.14	≤-16.55	PASS
			1000~26500	3.45	-50.25	≤-16.55	PASS
		2440	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-58.09	≤-16.24	PASS
			1000~26500	3.76	-49.68	≤-16.24	PASS
		2480	Reference	3.47	3.47	---	PASS
			30~1000	3.47	-55.49	≤-16.53	PASS
			1000~26500	3.47	-50.21	≤-16.53	PASS

Test Graphs

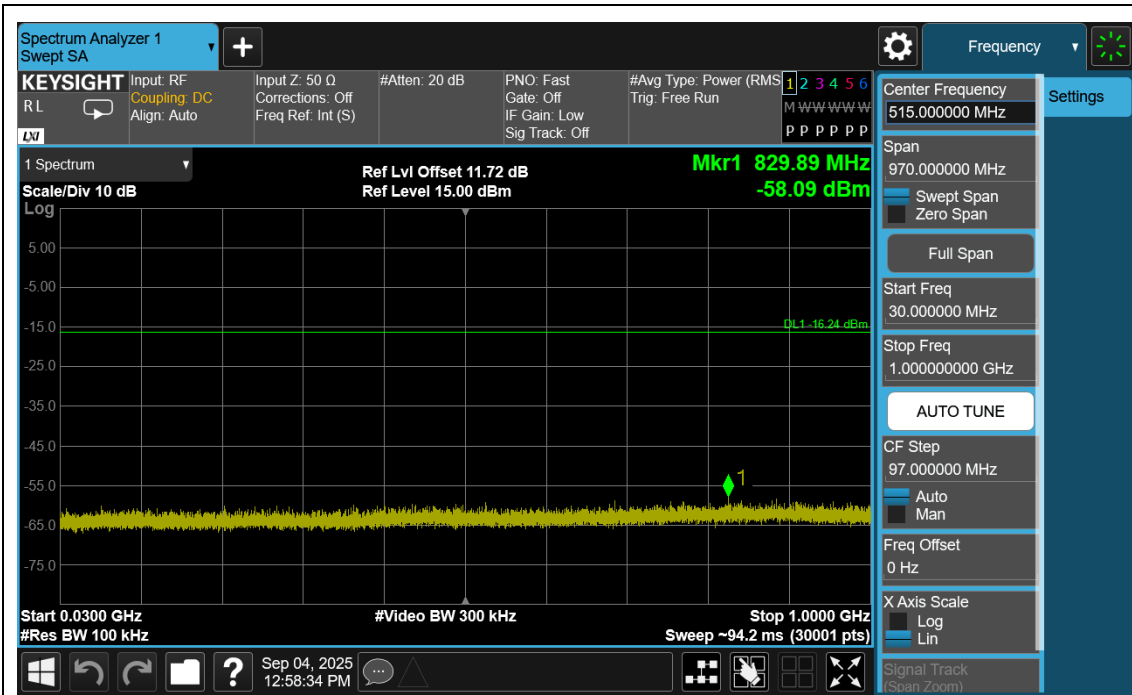




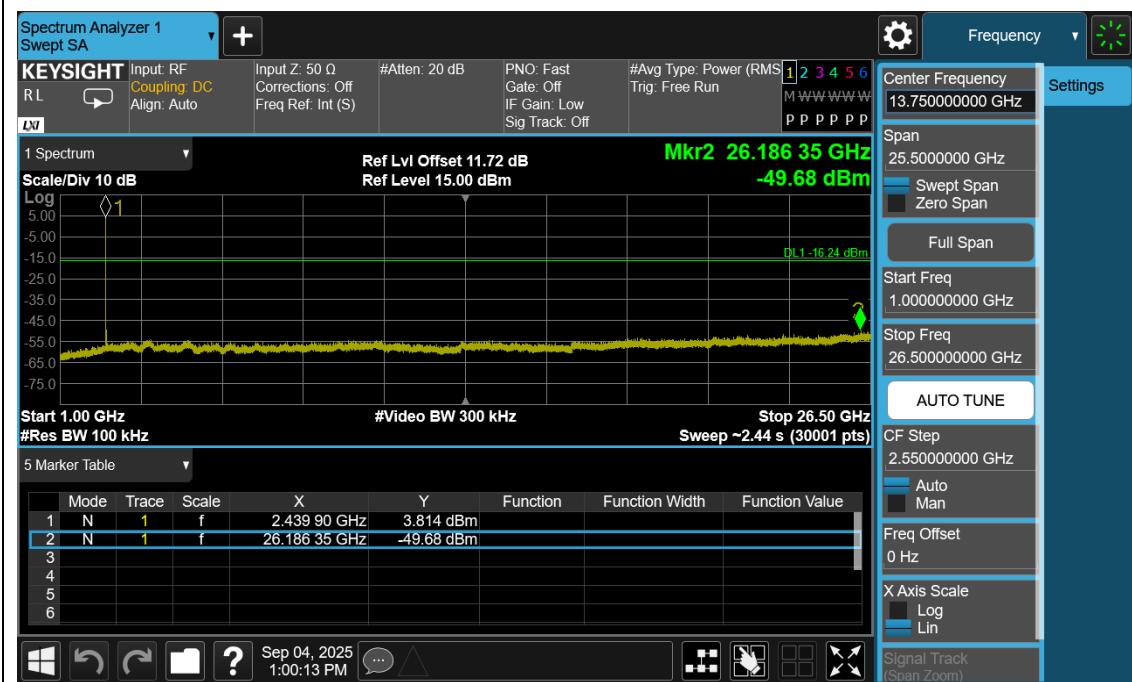
BLE_1M_Ant1_2402_1000~26500



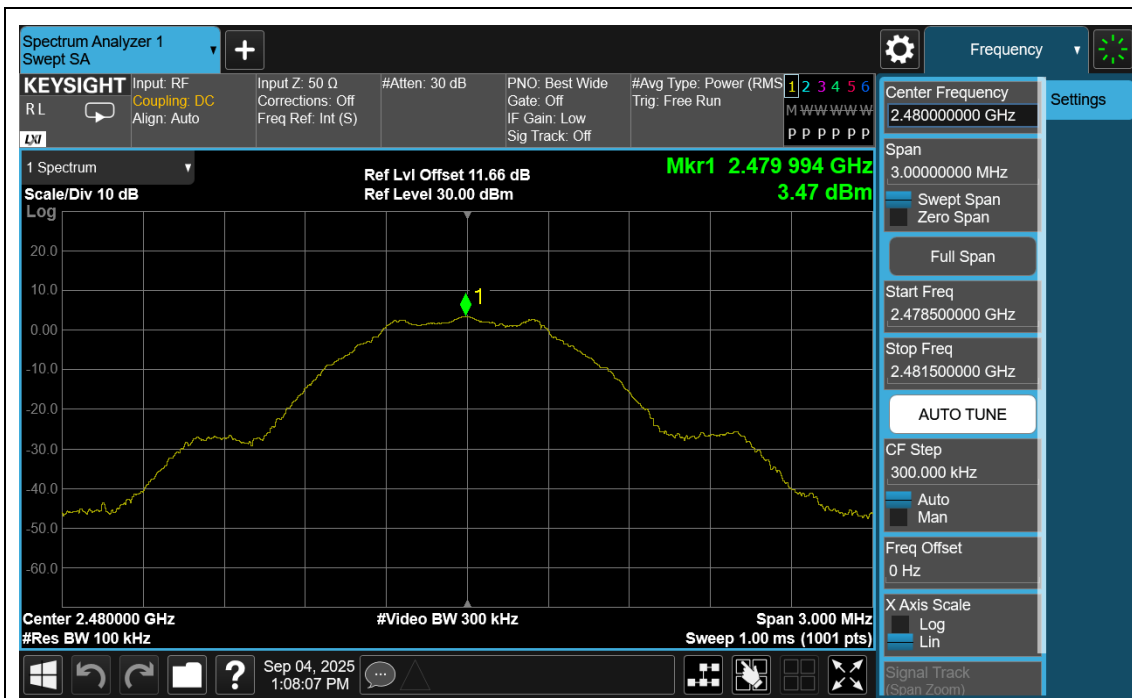
BLE_1M_Ant1_2440_0~Reference



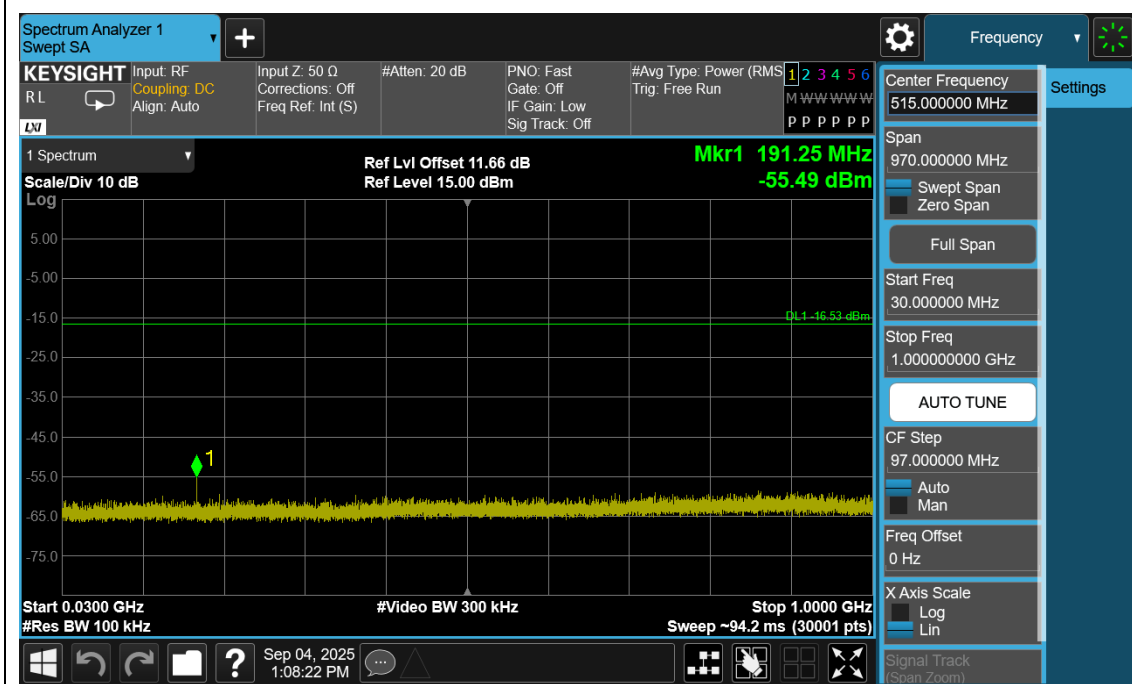
BLE_1M_Ant1_2440_30~1000



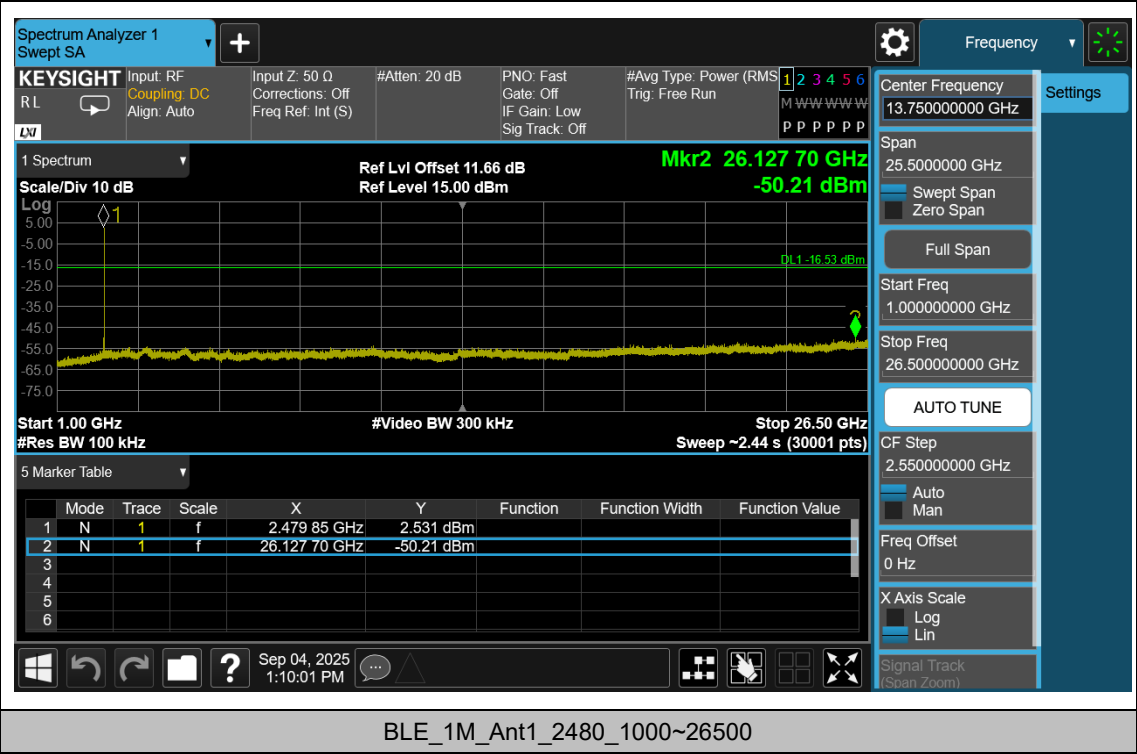
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

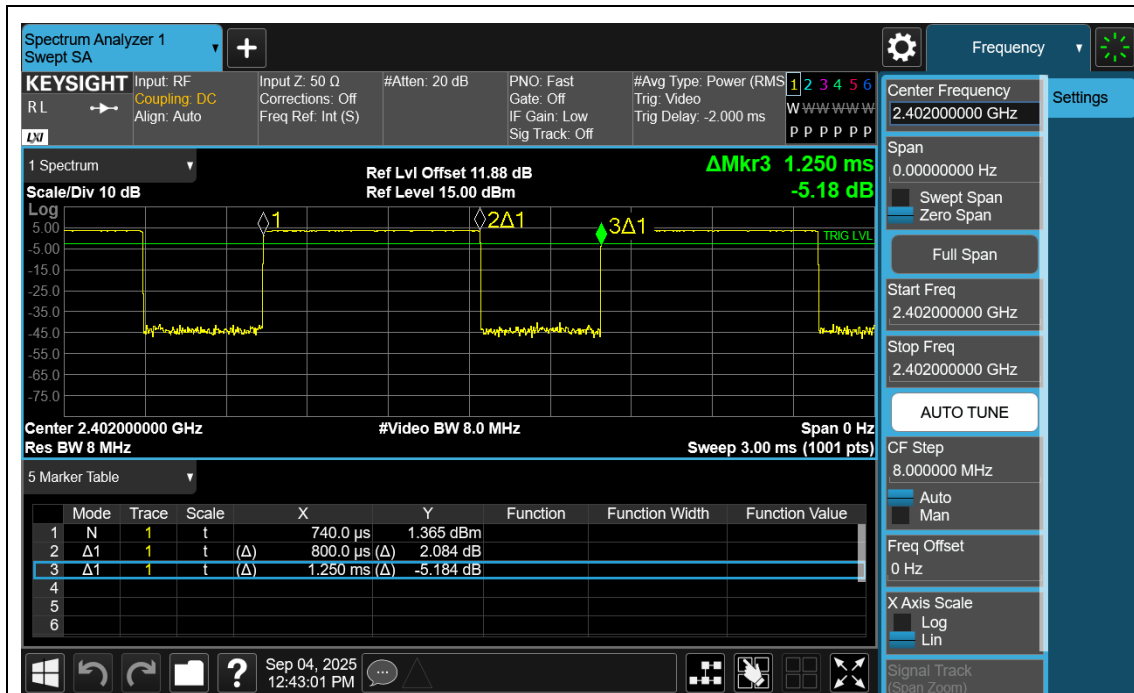


Appendix G: Duty Cycle

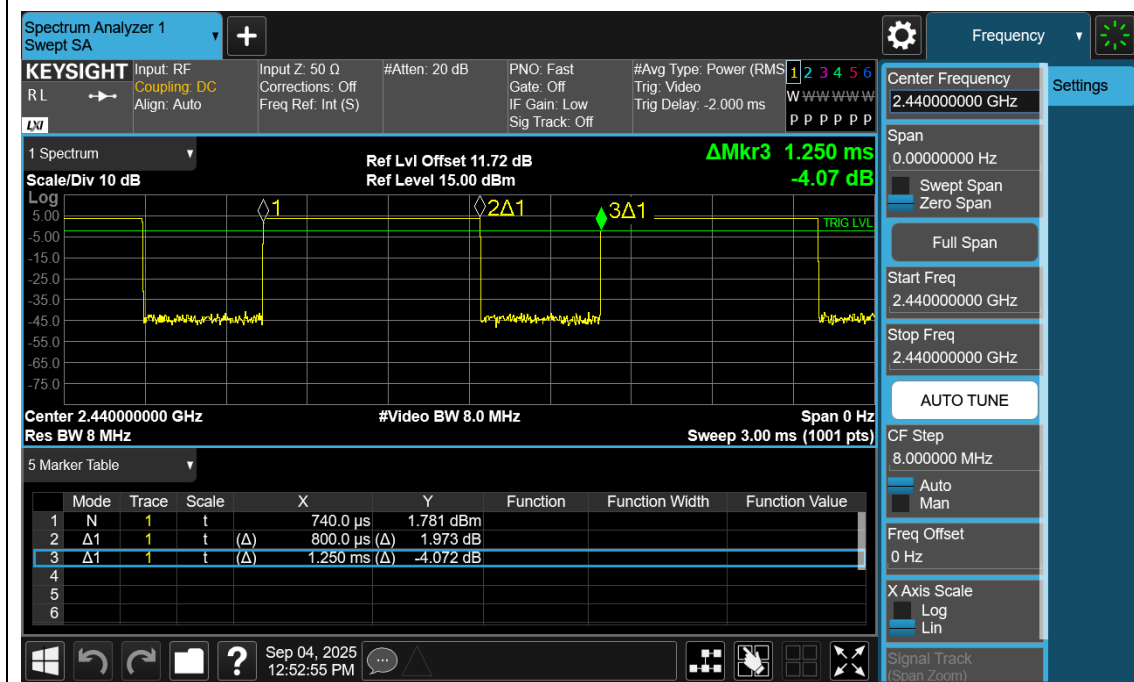
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.80	1.25	64.00	1.94
		2440	0.80	1.25	64.00	1.94
		2480	0.81	1.25	64.80	1.88

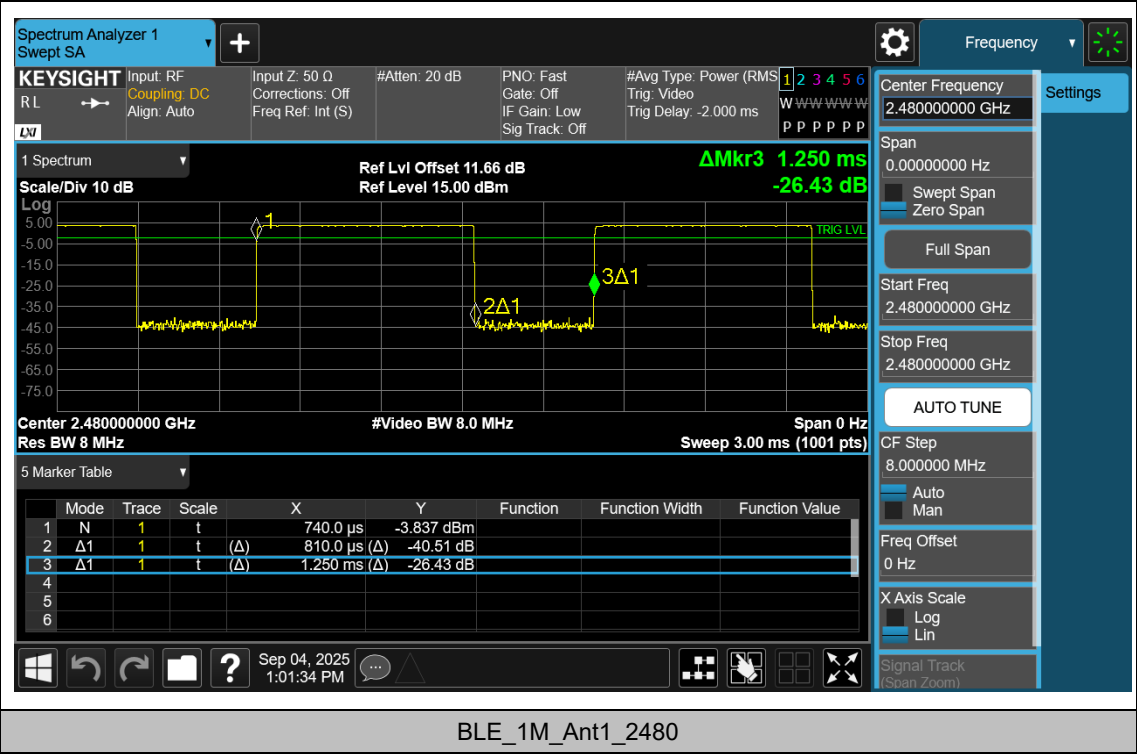
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



Appendix I: Emissions in Restricted Bands

Test Result

Mode:	1M-2402
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	46.94	6.82	74.00	27.06	150	240	Horizontal
2	2324.88	48.18	6.85	74.00	25.82	150	188	Horizontal
3	2352.48	48.51	6.94	74.00	25.49	150	192	Horizontal
4	2356.72	47.90	7.01	74.00	26.10	150	137	Horizontal
5	2384.56	48.86	7.40	74.00	25.14	150	131	Horizontal
6	2390	47.59	7.73	74.00	26.41	150	26	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	47.18	6.82	74.00	26.82	150	83	Vertical
2	2323.28	48.31	6.85	74.00	25.69	150	140	Vertical
3	2346.8	47.90	6.90	74.00	26.10	150	89	Vertical
4	2366.56	50.57	7.15	74.00	23.43	150	203	Vertical
5	2375.76	47.37	7.27	74.00	26.63	150	92	Vertical
6	2390	47.61	7.73	74.00	26.39	150	32	Vertical

Mode:	1M-2480
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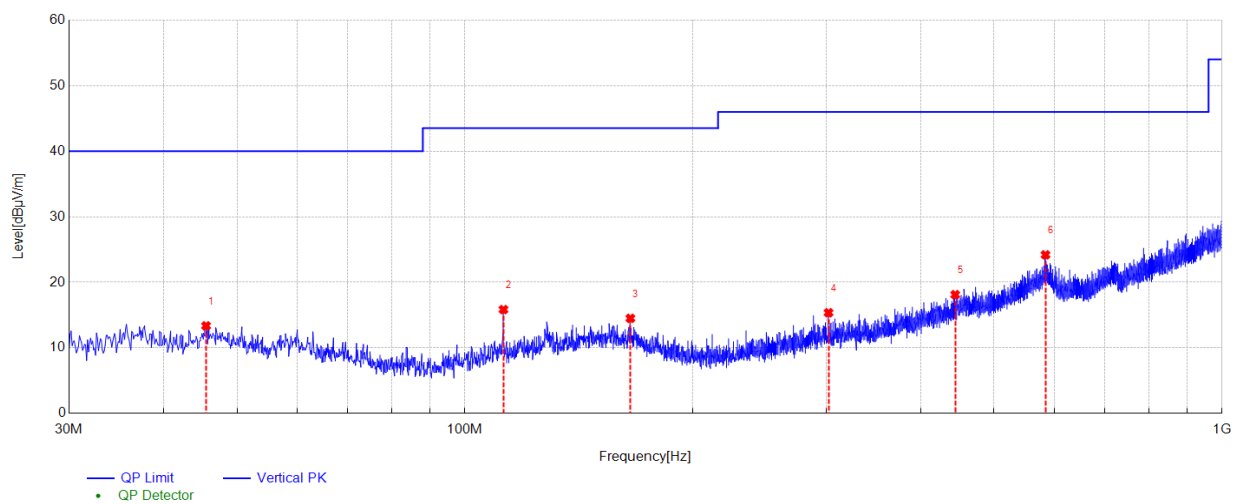
Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	6.54	51.60	74.00	22.40	48.24	54.00	5.76	150	131	Horizontal	PASS
2	2485.0675	6.55	52.97	74.00	21.03	50.72	54.00	3.28	150	12	Horizontal	PASS
3	2487.8725	6.56	52.77	74.00	21.23	49.61	54.00	4.39	150	100	Horizontal	PASS
4	2489.242	6.56	52.55	74.00	21.45	49.09	54.00	4.91	150	243	Horizontal	PASS
5	2490.232	6.56	52.86	74.00	21.14	49.18	54.00	4.82	150	199	Horizontal	PASS
6	2500	6.58	51.20	74.00	22.80	49.61	54.00	4.39	150	116	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	6.54	50.72	74.00	23.28	48.42	54.00	5.58	150	234	Vertical	PASS
2	2487.856	6.56	52.52	74.00	21.48	50.54	54.00	3.46	150	68	Vertical	PASS
3	2490.6775	6.56	52.51	74.00	21.49	50.13	54.00	3.87	150	117	Vertical	PASS
4	2494.324	6.57	53.30	74.00	20.70	47.85	54.00	6.15	150	244	Vertical	PASS
5	2496.403	6.58	53.43	74.00	20.57	48.18	54.00	5.82	150	20	Vertical	PASS
6	2500	6.58	50.56	74.00	23.44	48.26	54.00	5.74	150	256	Vertical	PASS

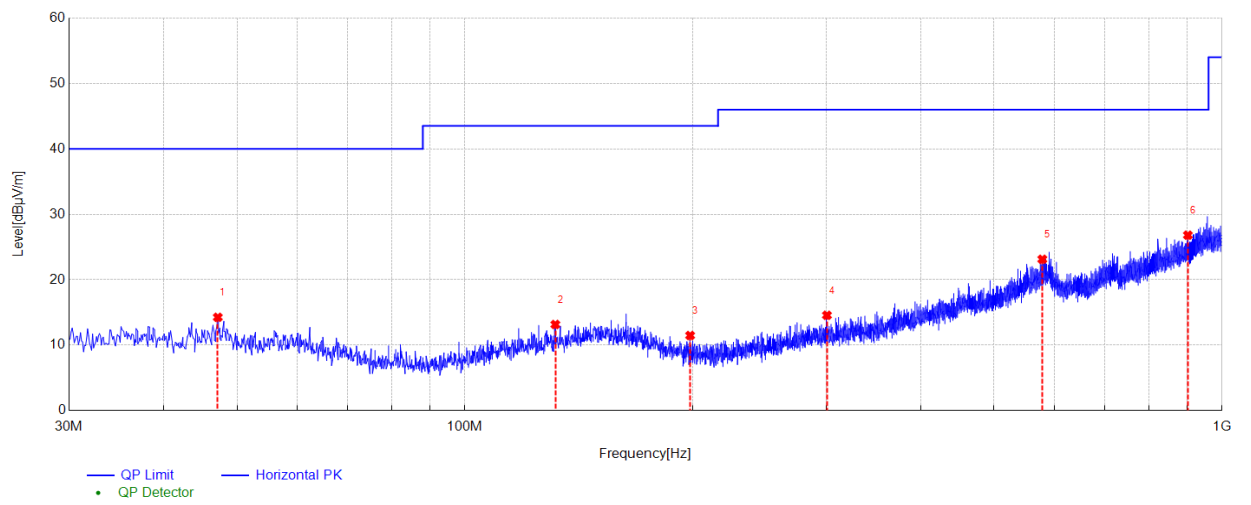
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Appendix I: Spurious emissions



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	45.5216	13.37	-16.16	40.00	26.63	100	102	Vertical	PASS
2	112.458	15.85	-18.65	43.50	27.65	100	309	Vertical	PASS
3	165.425	14.52	-16.27	43.50	28.98	100	109	Vertical	PASS
4	302.209	15.37	-15.87	46.00	30.63	100	12	Vertical	PASS
5	444.231	18.13	-12.49	46.00	27.87	100	287	Vertical	PASS
6	584.604	24.20	-9.16	46.00	21.80	100	196	Vertical	PASS



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	47.1707	14.27	-16.25	40.00	25.73	100	110	Horizontal	PASS
2	131.666	13.17	-17.13	43.50	30.33	100	279	Horizontal	PASS
3	198.408	11.49	-19.30	43.50	32.01	100	295	Horizontal	PASS
4	300.754	14.58	-15.93	46.00	31.42	100	270	Horizontal	PASS
5	578.977	23.14	-9.41	46.00	22.86	100	282	Horizontal	PASS
6	901.438	26.82	-3.29	46.00	19.18	100	35	Horizontal	PASS

Mode:	1M-2402
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1462	40.89	0.61	74.00	33.11	150	285	Horizontal
2	1978	45.58	6.15	74.00	28.42	150	128	Horizontal
3	4806	46.25	-13.24	74.00	27.75	150	199	Horizontal
4	7206	49.07	-9.97	74.00	24.93	150	192	Horizontal
5	12381	49.68	-1.93	74.00	24.32	150	242	Horizontal
6	15117	52.78	1.76	74.00	21.22	150	213	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1476	39.92	0.67	74.00	34.08	150	349	Vertical
2	3948	47.36	-16.04	74.00	26.64	150	56	Vertical
3	5256	44.64	-12.50	74.00	29.36	150	63	Vertical
4	7206	47.56	-9.97	74.00	26.44	150	128	Vertical
5	9432	47.25	-7.04	74.00	26.75	150	77	Vertical
6	11520	49.03	-2.97	74.00	24.97	150	12	Vertical

Mode:	1M-2440
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1914	45.52	6.35	74.00	28.48	150	311	Horizontal
2	4224	43.49	-15.62	74.00	30.51	150	334	Horizontal
3	7320	47.75	-9.77	74.00	26.25	150	191	Horizontal
4	9450	46.33	-6.96	74.00	27.67	150	69	Horizontal
5	11268	48.36	-3.14	74.00	25.64	150	115	Horizontal
6	13257	50.55	-0.65	74.00	23.45	150	180	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1936	46.27	6.28	74.00	27.73	150	239	Vertical
2	3945	47.58	-16.04	74.00	26.42	150	212	Vertical
3	4731	48.71	-13.48	74.00	25.29	150	87	Vertical
4	5265	49.38	-12.52	74.00	24.62	150	62	Vertical
5	7320	47.36	-9.77	74.00	26.64	150	336	Vertical
6	12291	50.16	-1.98	74.00	23.84	150	46	Vertical

Mode:	1M-2480
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1420	41.94	0.47	74.00	32.06	150	97	Horizontal
2	1938	45.90	6.27	74.00	28.10	150	327	Horizontal
3	4560	43.89	-14.46	74.00	30.11	150	222	Horizontal
4	4959	46.71	-13.68	74.00	27.29	150	100	Horizontal
5	7158	46.02	-10.12	74.00	27.98	150	100	Horizontal
6	11358	49.03	-3.18	74.00	24.97	150	338	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1730	49.43	3.01	74.00	24.57	150	39	Vertical
2	3936	45.69	-16.04	74.00	28.31	150	72	Vertical
3	4962	46.38	-13.68	74.00	27.62	150	26	Vertical
4	7440	47.91	-10.00	74.00	26.09	150	30	Vertical
5	10617	47.99	-4.62	74.00	26.01	150	214	Vertical
6	12312	49.48	-1.94	74.00	24.52	150	303	Vertical