

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.644	2402.312	0.5	PASS
		2440	0.660	2439.648	2440.308	0.5	PASS
		2480	0.664	2479.648	2480.312	0.5	PASS
BLE_2M	Ant1	2402	1.160	2401.396	2402.556	0.5	PASS
		2440	1.160	2439.396	2440.556	0.5	PASS
		2480	1.172	2479.392	2480.564	0.5	PASS

Test Graphs







Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0168	2401.4806	2402.4974	---	---
		2440	1.0178	2439.4794	2440.4972	---	---
		2480	1.0182	2479.4791	2480.4973	---	---
BLE_2M	Ant1	2402	2.0249	2400.9878	2403.0127	---	---
		2440	2.0241	2438.9869	2441.0110	---	---
		2480	2.0266	2478.9848	2481.0114	---	---

Test Graphs





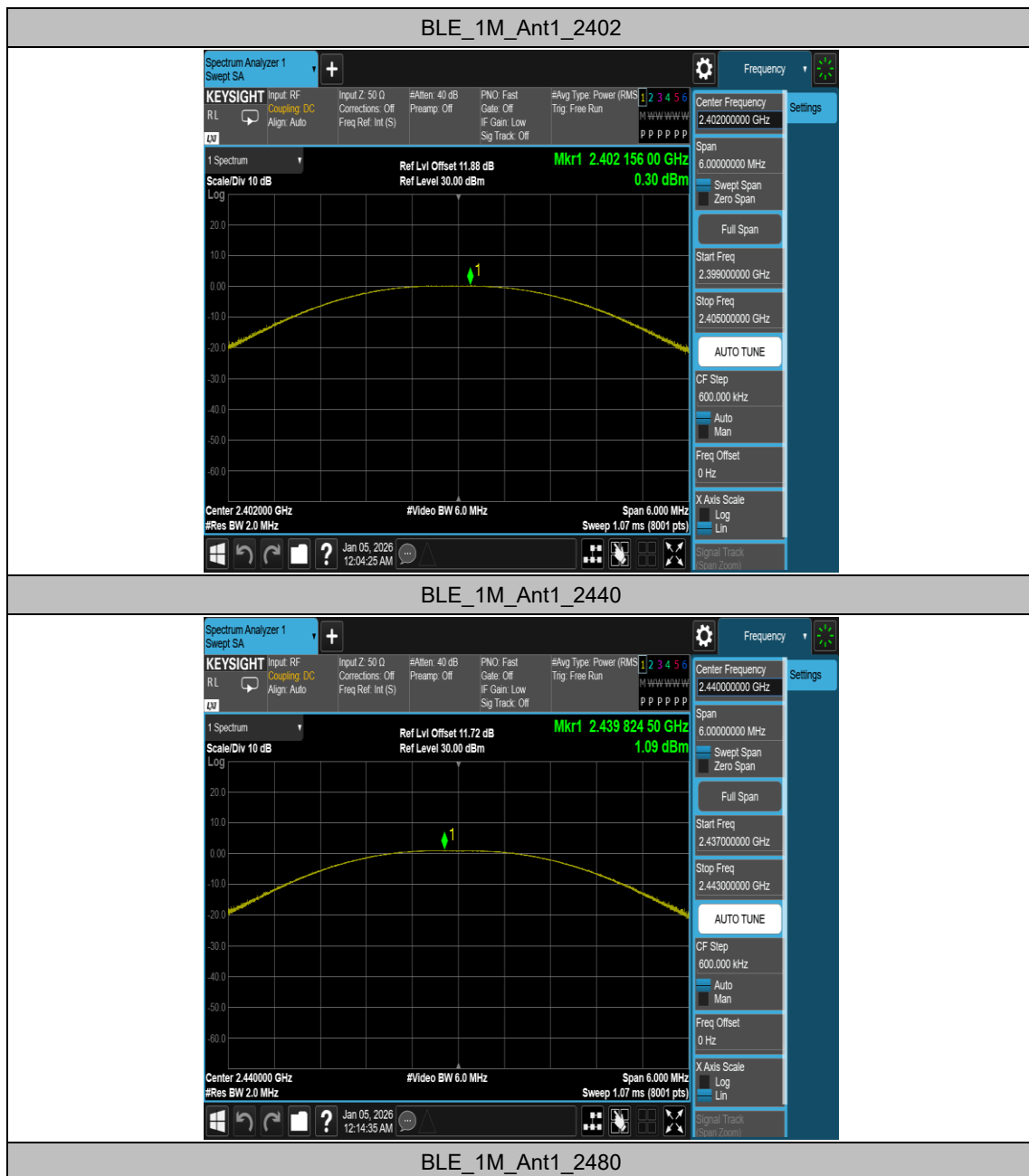


Appendix C: Maximum conducted output power

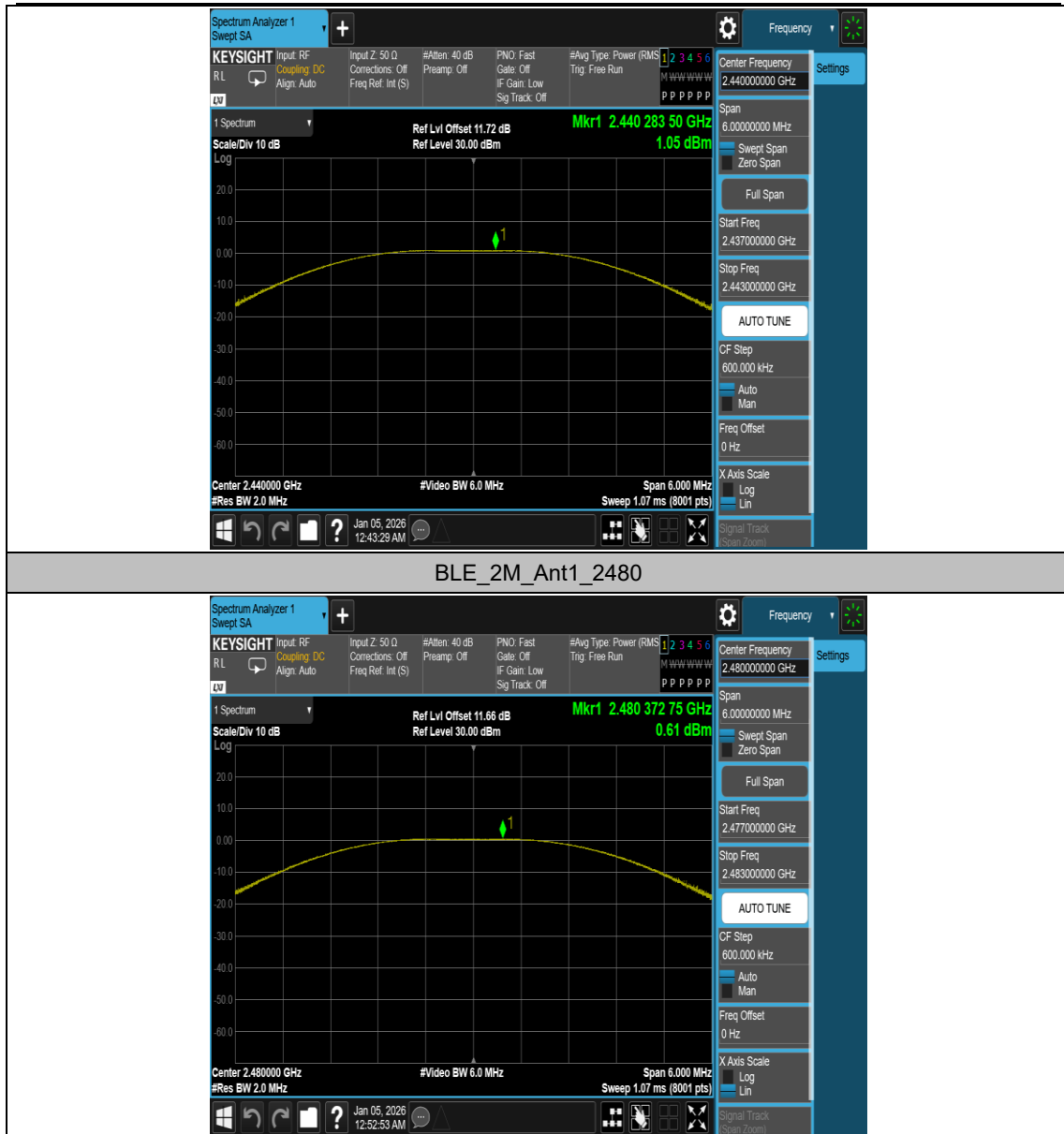
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.30	≤30	2.39	≤36	PASS
		2440	1.09	≤30	3.18	≤36	PASS
		2480	0.70	≤30	2.79	≤36	PASS
BLE_2M	Ant1	2402	0.56	≤30	2.65	≤36	PASS
		2440	1.05	≤30	3.14	≤36	PASS
		2480	0.61	≤30	2.70	≤36	PASS

Test Graphs Peak





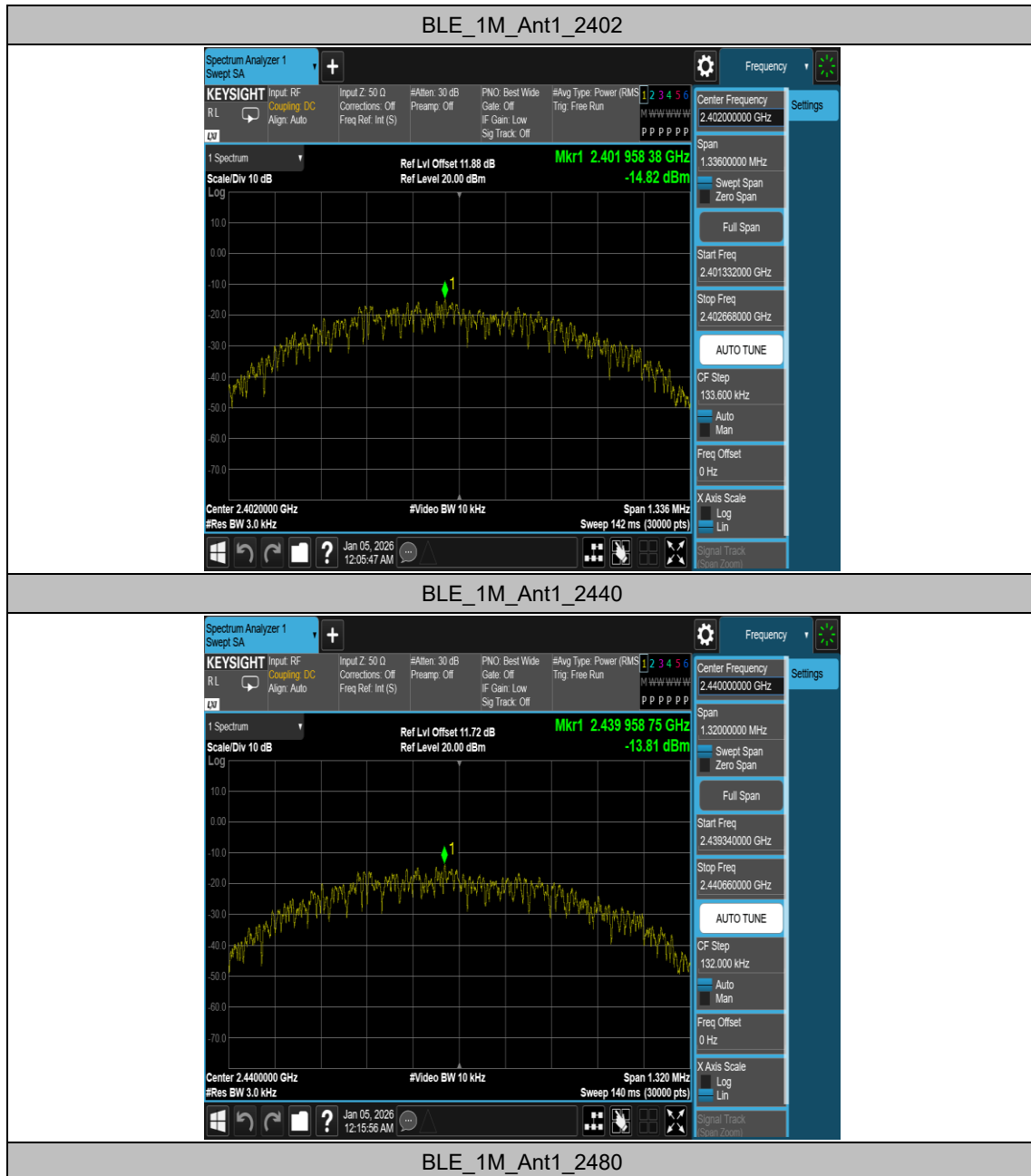


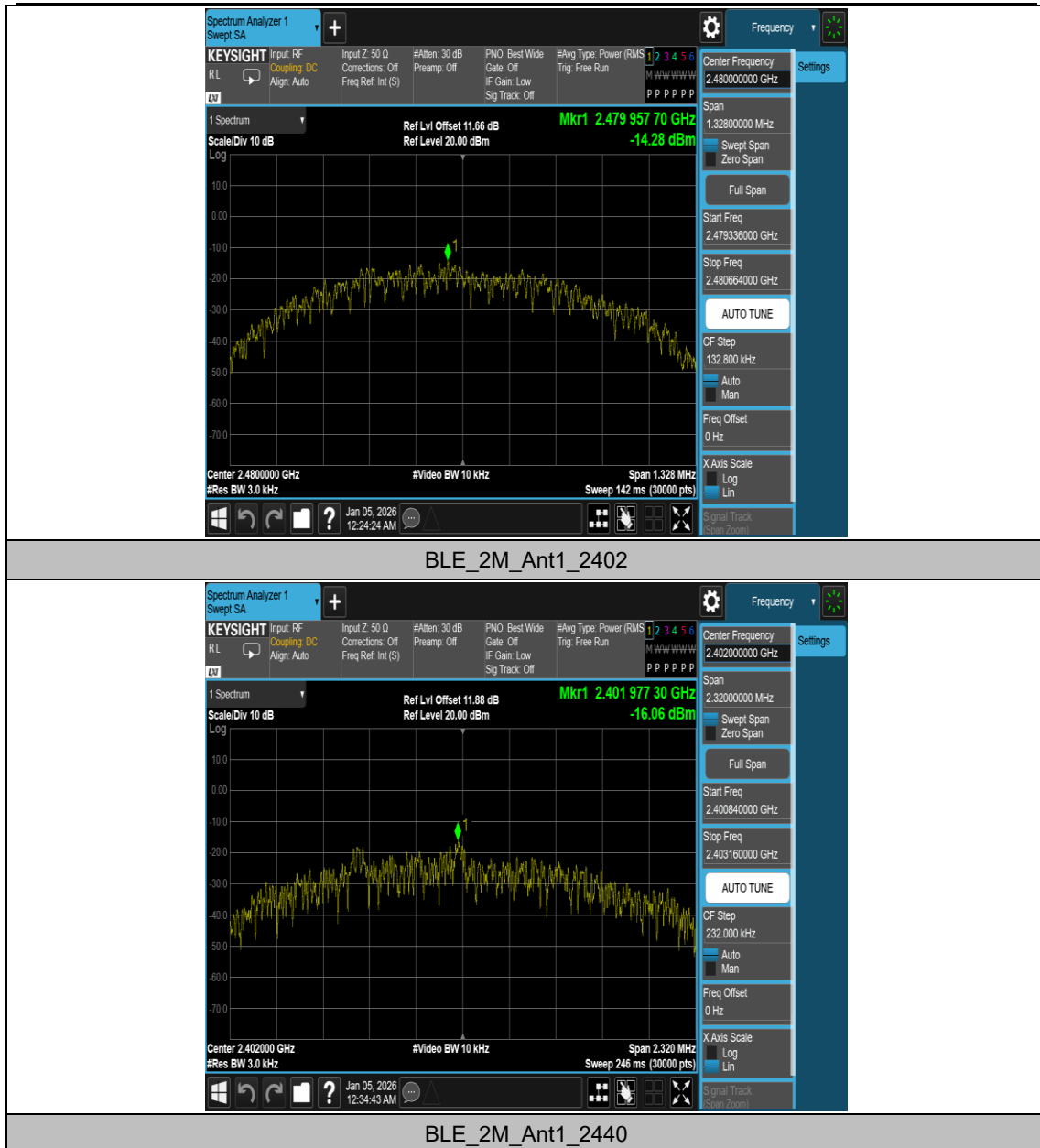
Appendix D: Maximum power spectral density

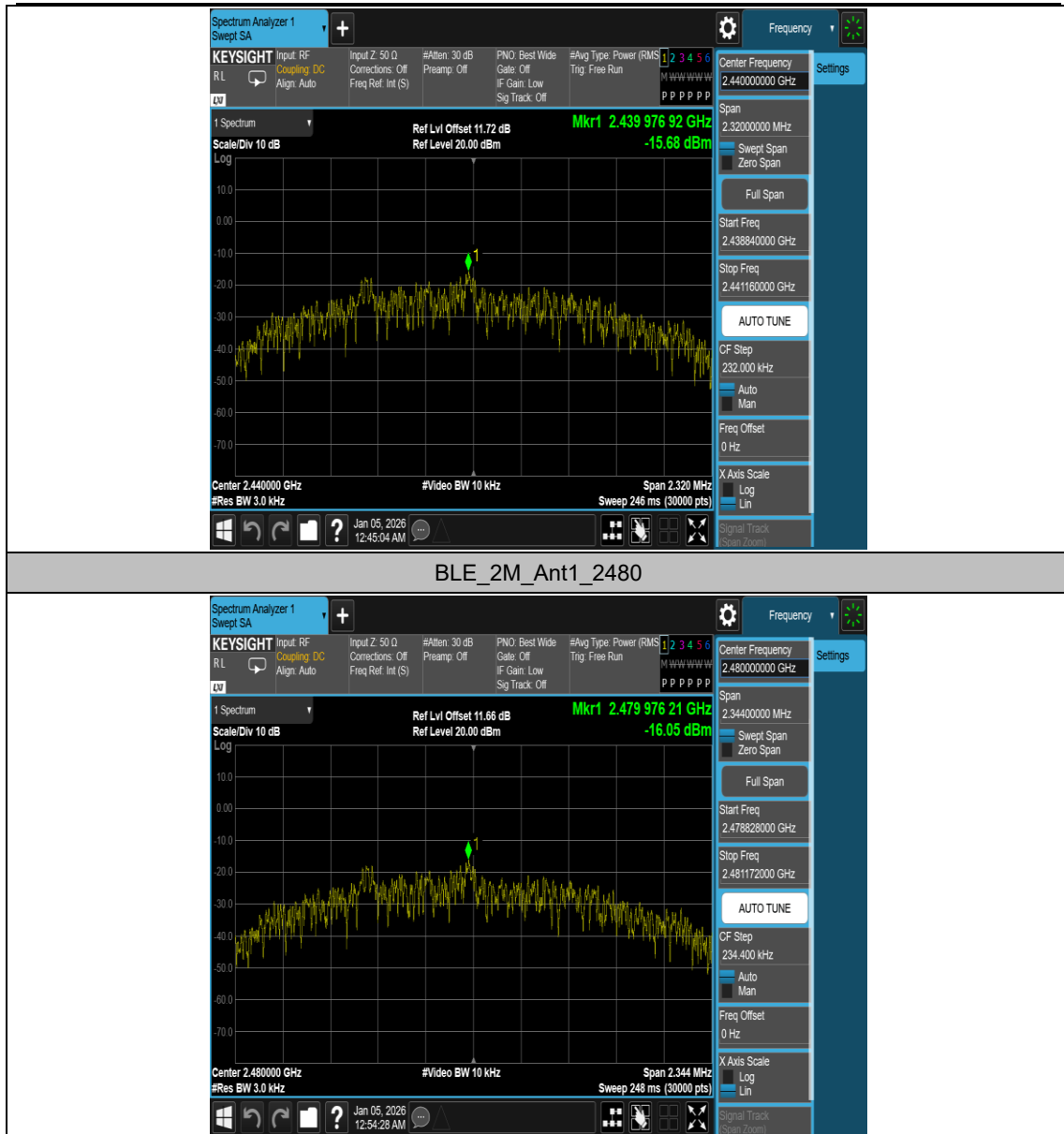
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.82	≤8.00	PASS
		2440	-13.81	≤8.00	PASS
		2480	-14.28	≤8.00	PASS
BLE_2M	Ant1	2402	-16.06	≤8.00	PASS
		2440	-15.68	≤8.00	PASS
		2480	-16.05	≤8.00	PASS

Test Graphs





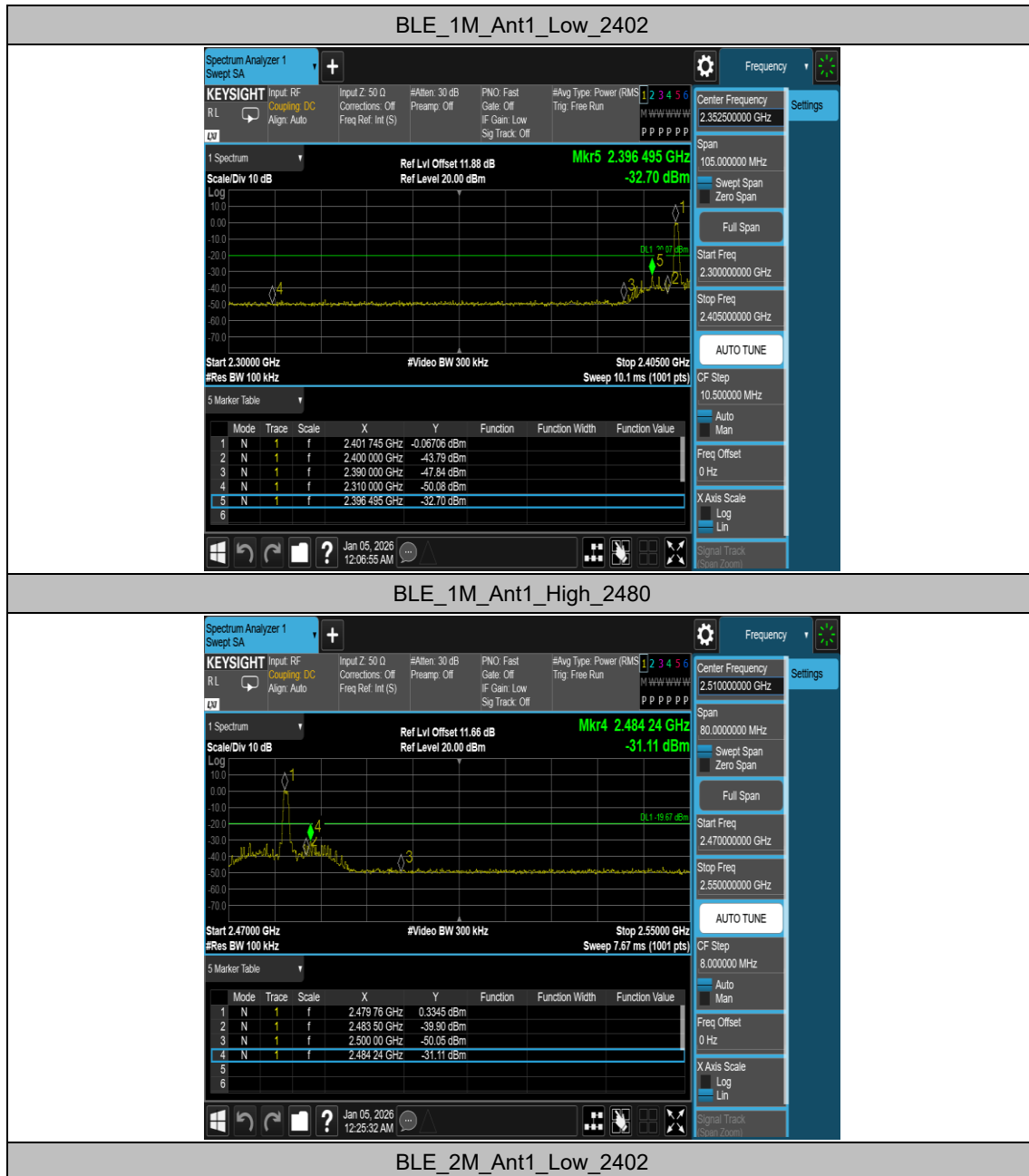


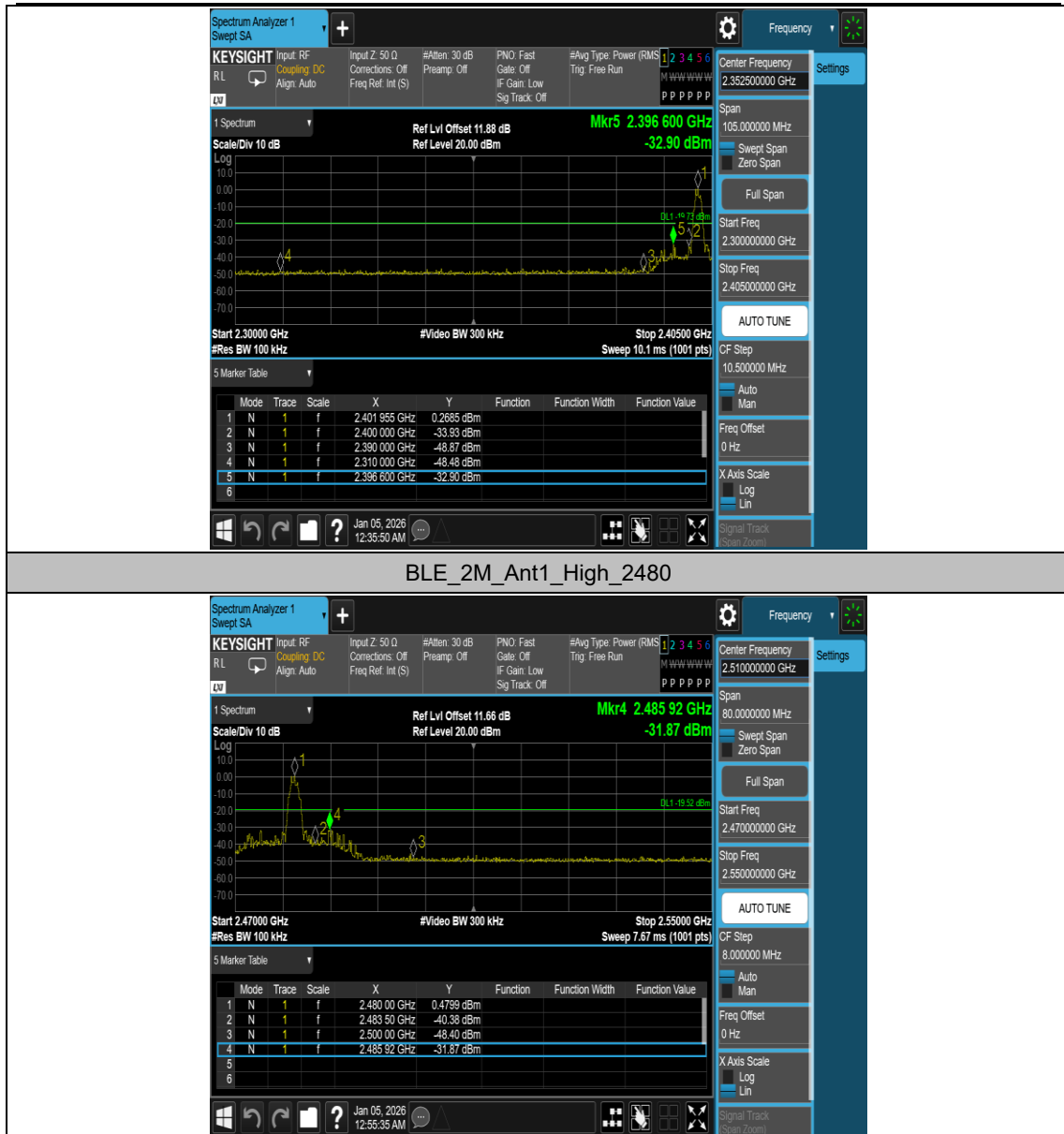
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.07	-32.7	≤-20.07	PASS
		High	2480	0.33	-31.11	≤-19.67	PASS
BLE_2M	Ant1	Low	2402	0.27	-32.9	≤-19.73	PASS
		High	2480	0.48	-31.87	≤-19.52	PASS

Test Graphs



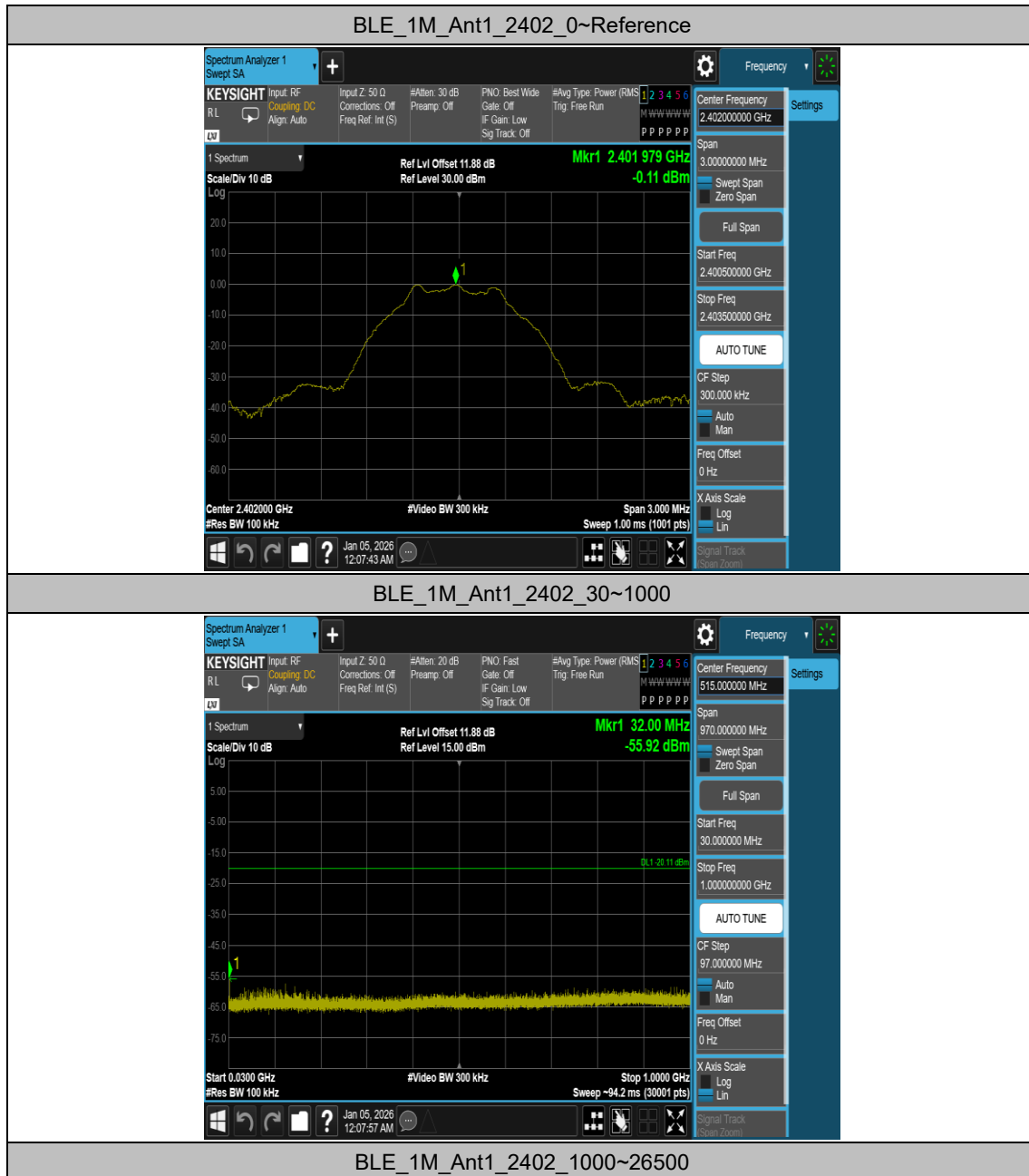


Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.11	-0.11	---	PASS
			30~1000	-0.11	-55.92	≤-20.11	PASS
			1000~26500	-0.11	-45.69	≤-20.11	PASS
		2440	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-56.37	≤-19.21	PASS
			1000~26500	0.79	-44.81	≤-19.21	PASS
		2480	Reference	0.32	0.32	---	PASS
			30~1000	0.32	-56.14	≤-19.68	PASS
			1000~26500	0.32	-42.42	≤-19.68	PASS
BLE_2M	Ant1	2402	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-56.46	≤-19.81	PASS
			1000~26500	0.19	-44.2	≤-19.81	PASS
		2440	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-55.7	≤-19.26	PASS
			1000~26500	0.74	-43.69	≤-19.26	PASS
		2480	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-56.39	≤-19.74	PASS
			1000~26500	0.26	-41.39	≤-19.74	PASS

Test Graphs

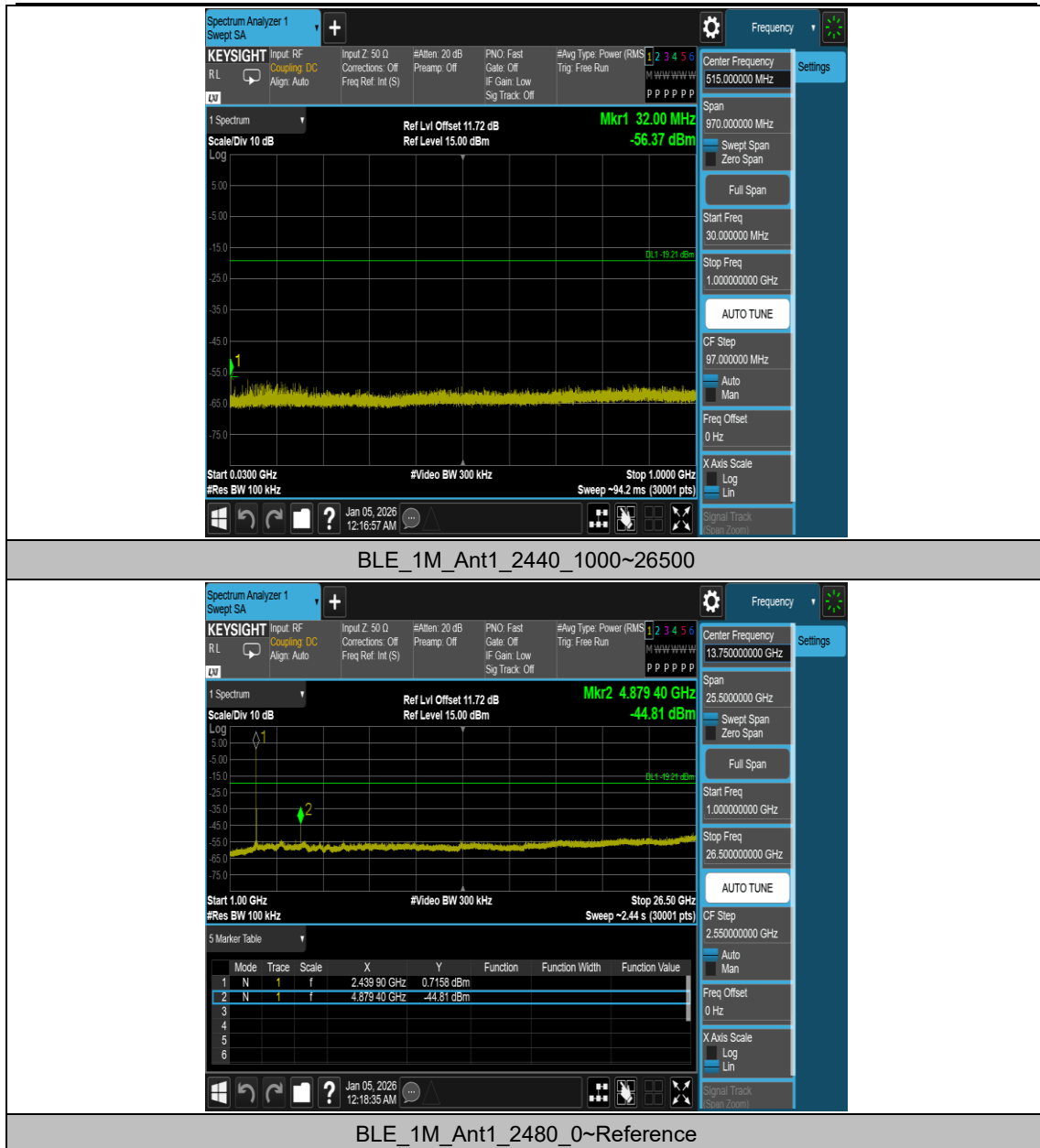




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



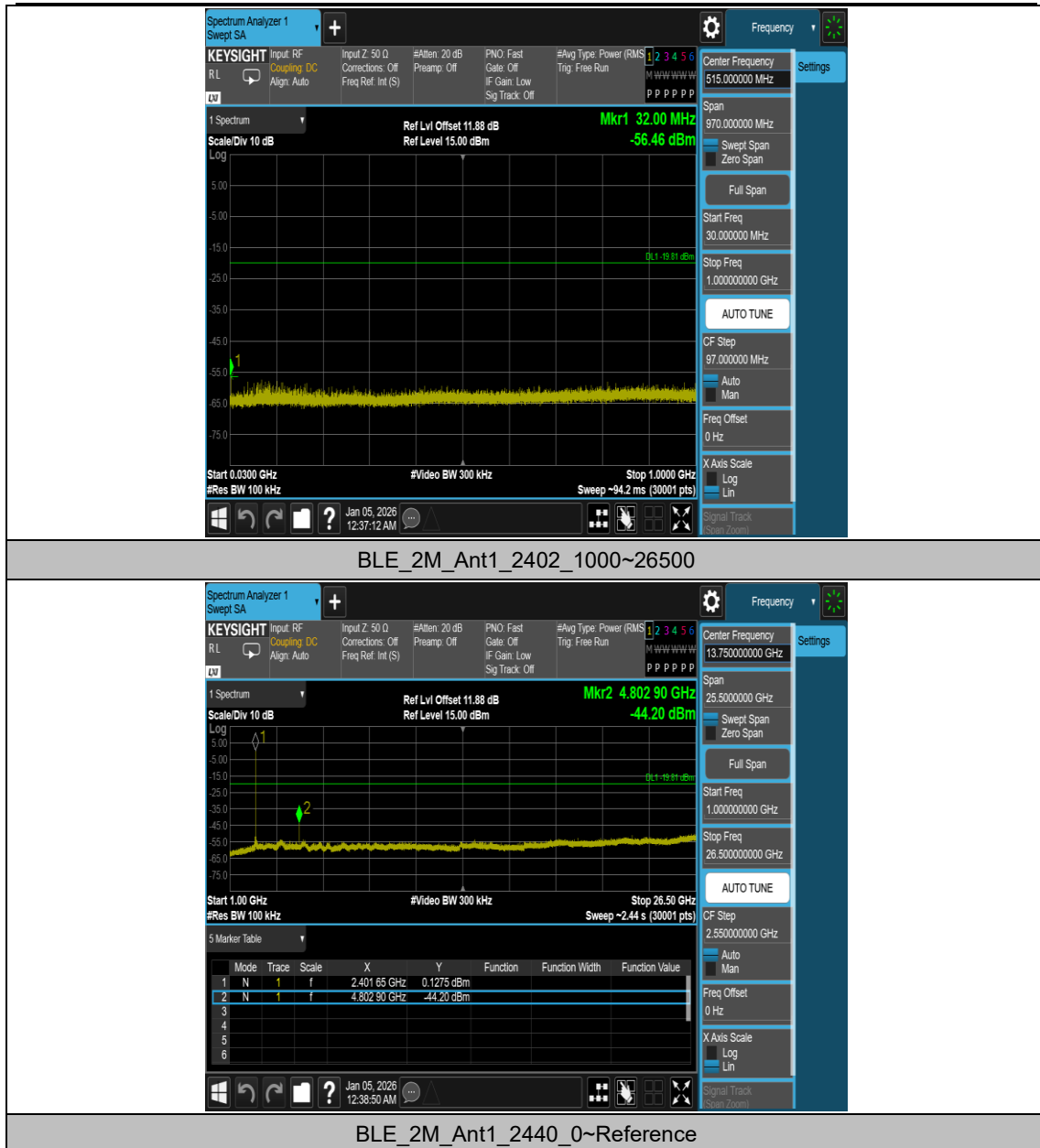




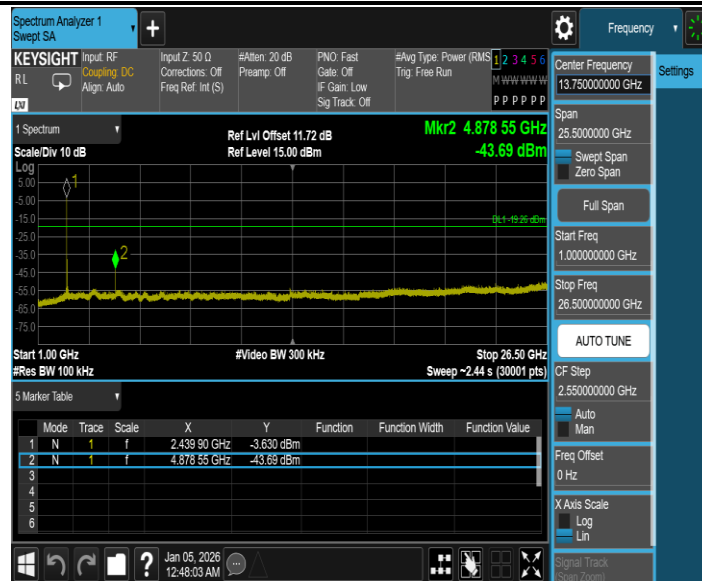
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



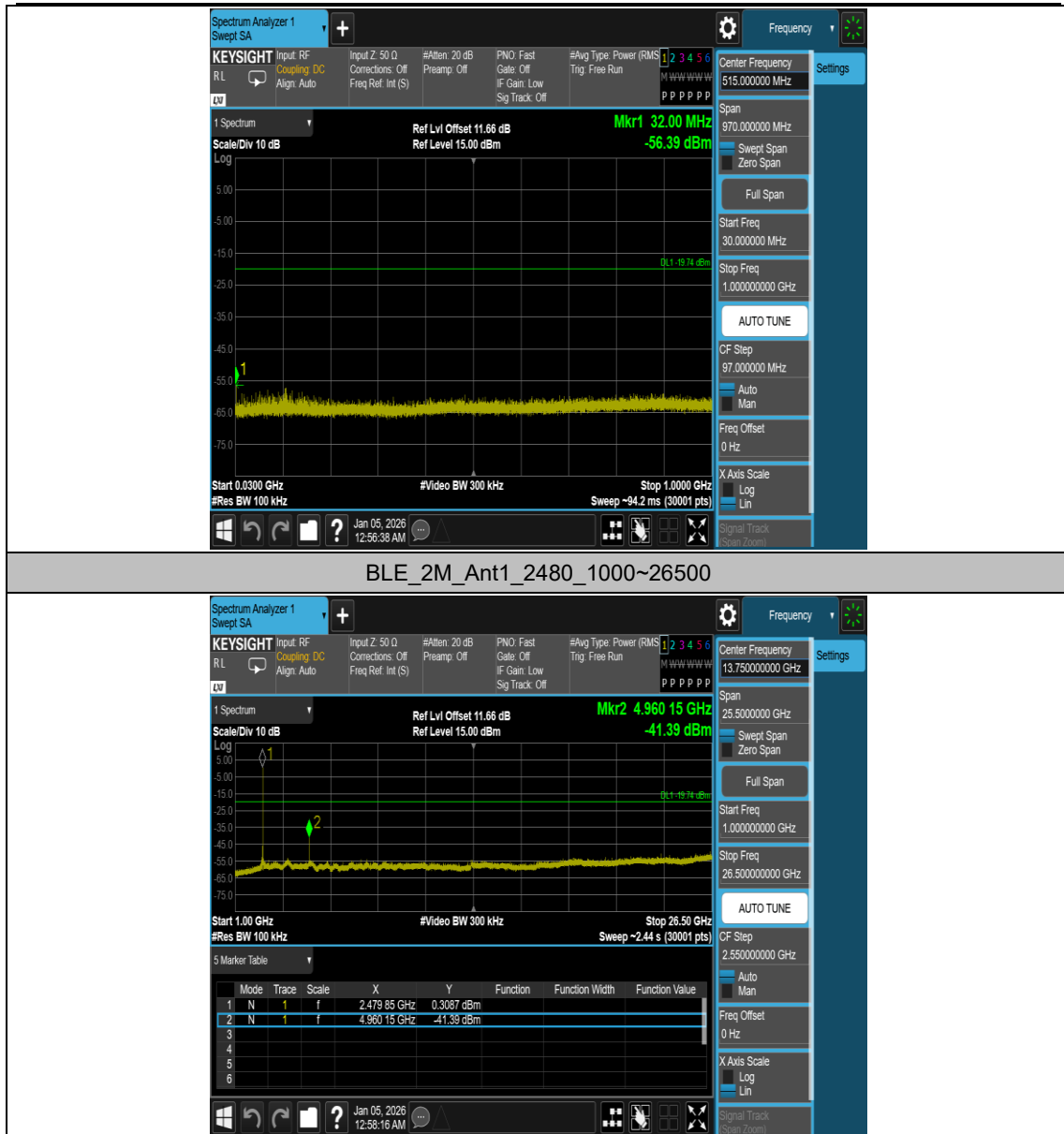




BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000

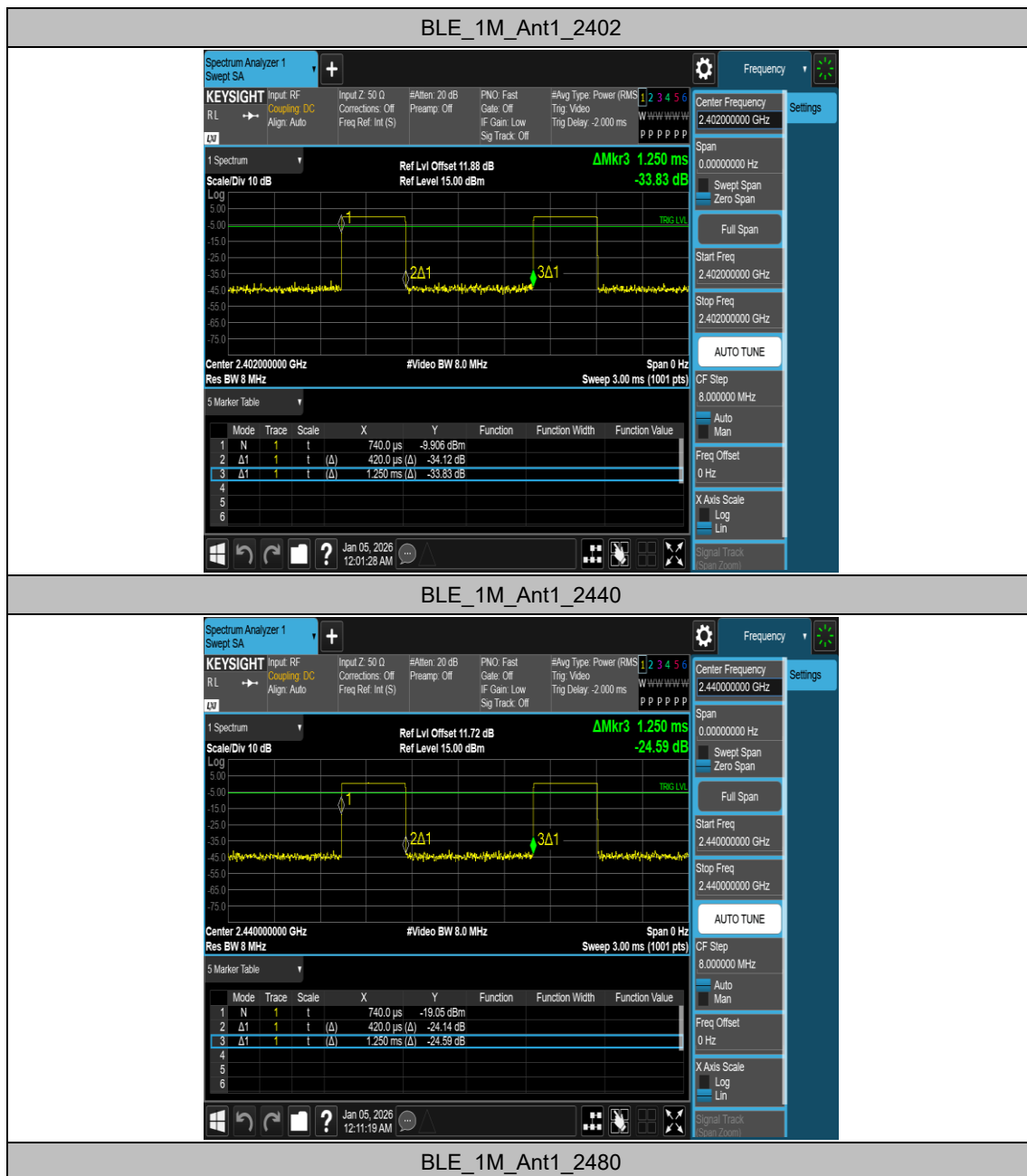


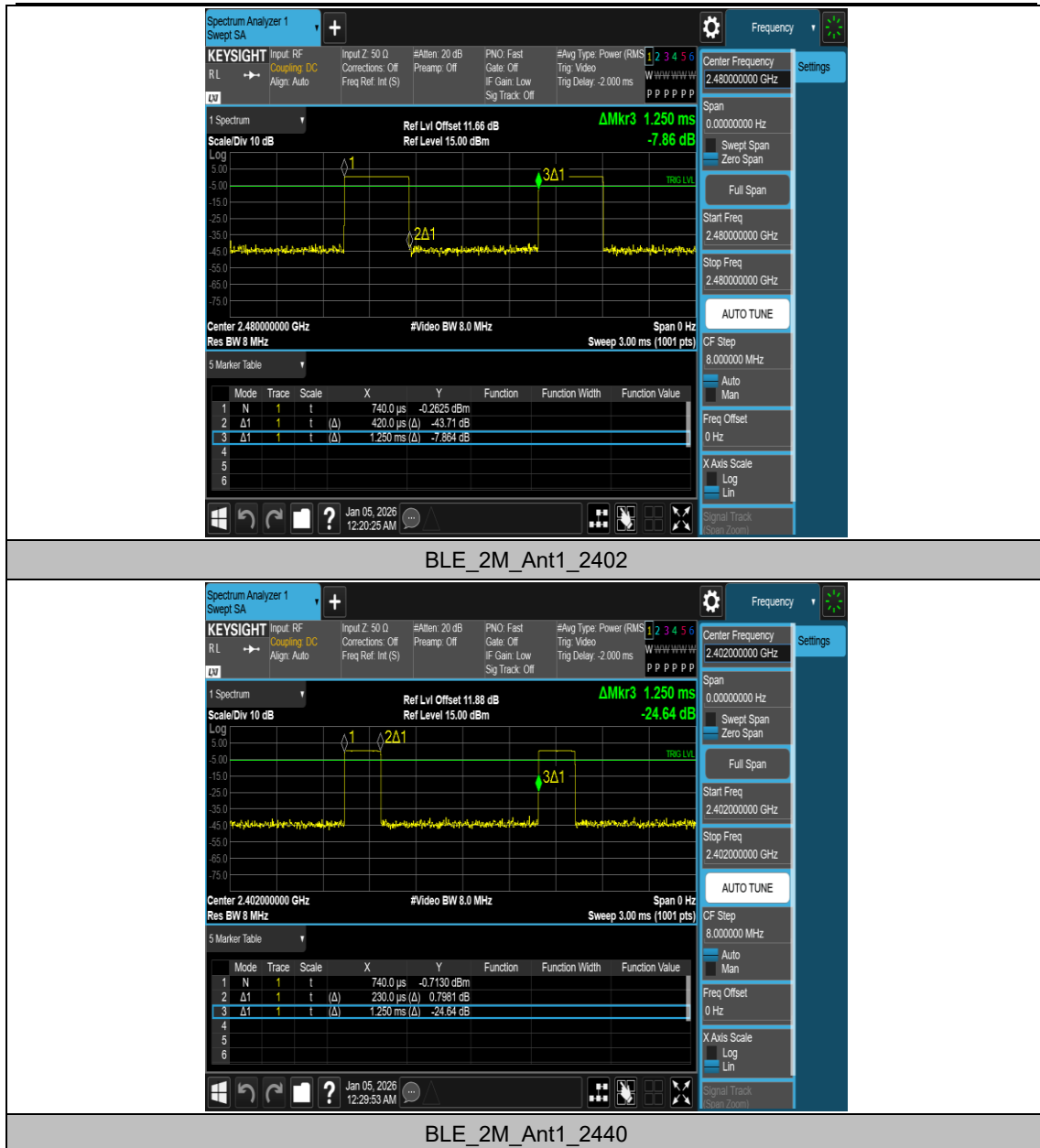
Appendix G: Duty Cycle

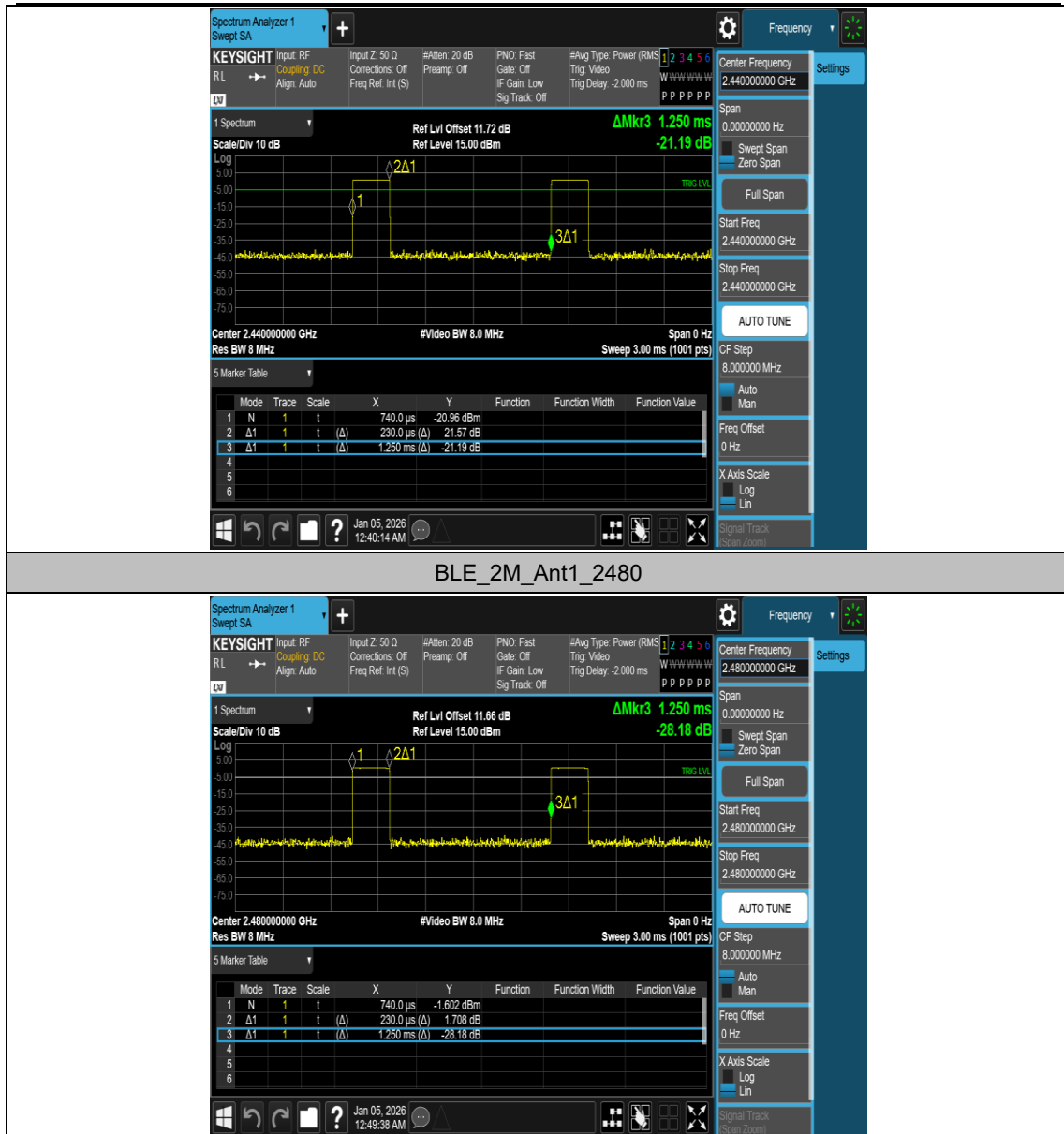
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2402	0.42	1.25	33.60
		2440	0.42	1.25	33.60
		2480	0.42	1.25	33.60
BLE_2M	Ant1	2402	0.23	1.25	18.40
		2440	0.23	1.25	18.40
		2480	0.23	1.25	18.40

Test Graphs

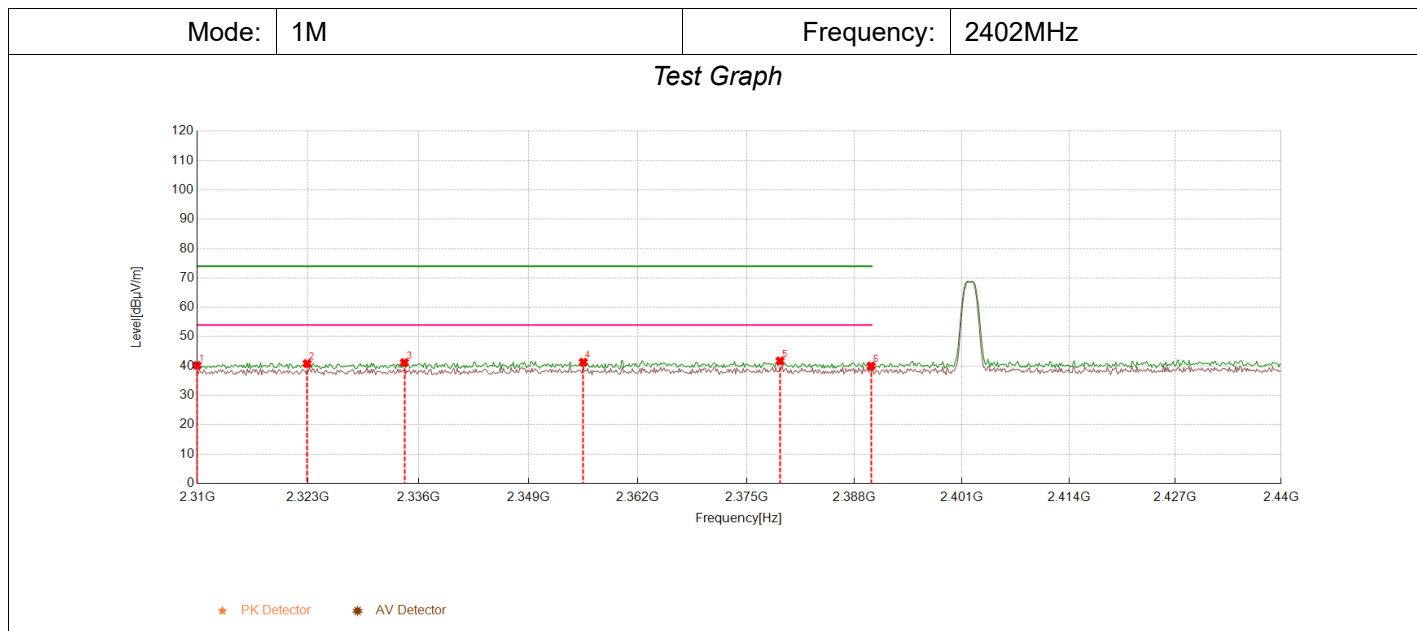






Appendix H: Emissions in Restricted Bands

Test Result



Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310.00	40.17	2.67	74.00	33.83	150	230	Vertical	PASS
2	2322.87	40.84	2.87	74.00	33.16	150	340	Vertical	PASS
3	2334.31	41.16	2.80	74.00	32.84	150	80	Vertical	PASS
4	2355.50	41.29	2.97	74.00	32.71	150	70	Vertical	PASS
5	2379.03	41.74	3.05	74.00	32.26	150	70	Vertical	PASS
6	2390.00	40.01	2.95	74.00	33.99	150	280	Vertical	PASS

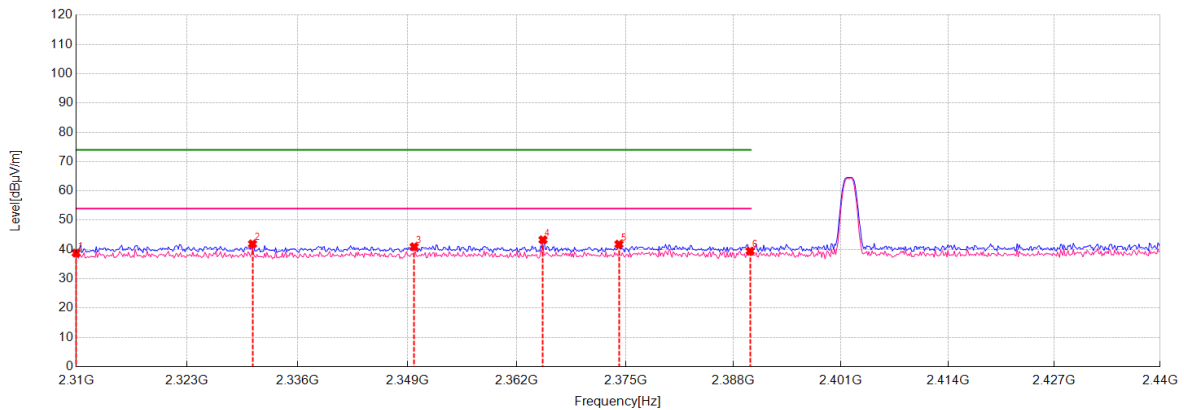
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: 1M

Frequency: 2402MHz

Test Graph



★ PK Detector ★ AV Detector

Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310.00	38.79	2.67	74.00	35.21	150	350	Horizontal	PASS
2	2330.67	41.90	2.79	74.00	32.10	150	50	Horizontal	PASS
3	2349.78	40.93	3.04	74.00	33.07	150	350	Horizontal	PASS
4	2365.12	43.30	2.99	74.00	30.70	150	130	Horizontal	PASS
5	2374.22	41.80	3.00	74.00	32.20	150	120	Horizontal	PASS
6	2390.00	39.47	2.95	74.00	34.53	150	90	Horizontal	PASS

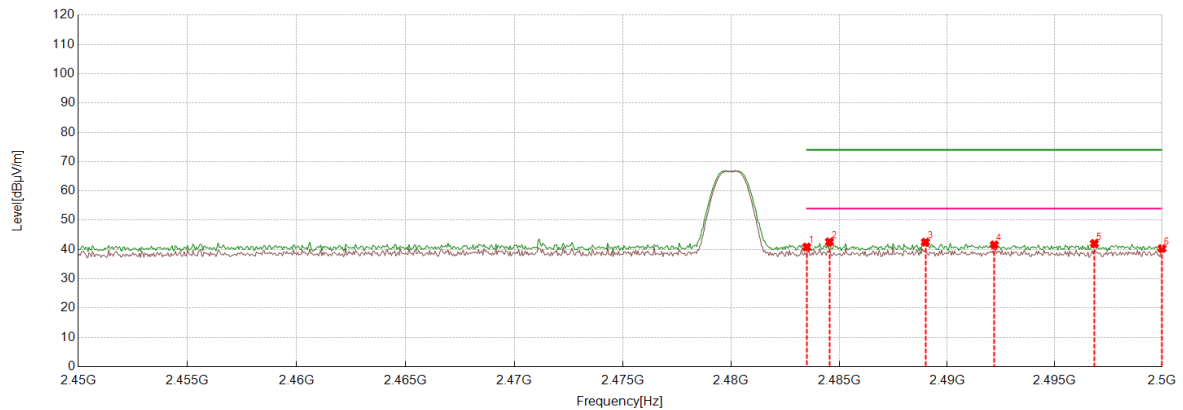
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: 1M

Frequency: 2480MHz

Test Graph



★ PK Detector ★ AV Detector

Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.50	40.85	3.46	74.00	33.15	150	20	Vertical	PASS
2	2484.55	42.61	3.50	74.00	31.39	150	210	Vertical	PASS
3	2489.00	42.49	3.56	74.00	31.51	150	200	Vertical	PASS
4	2492.20	41.58	3.56	74.00	32.42	150	190	Vertical	PASS
5	2496.85	42.07	3.59	74.00	31.93	150	140	Vertical	PASS
6	2500.00	40.33	3.50	74.00	33.67	150	130	Vertical	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level