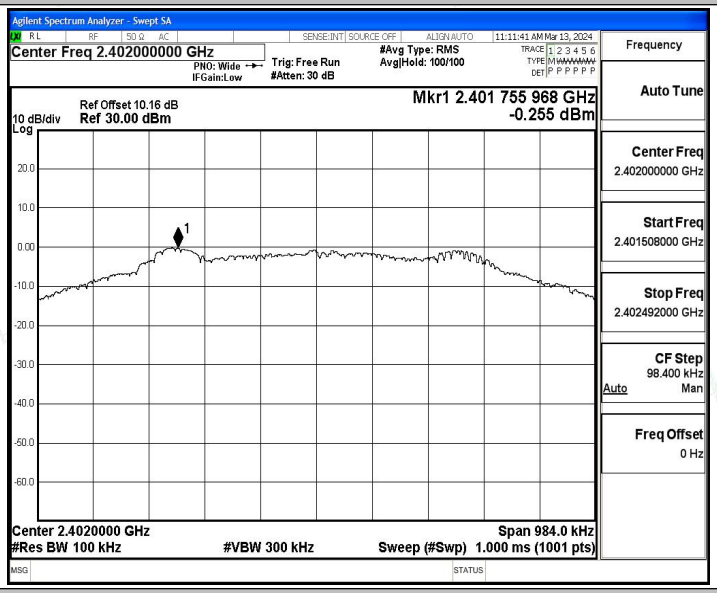
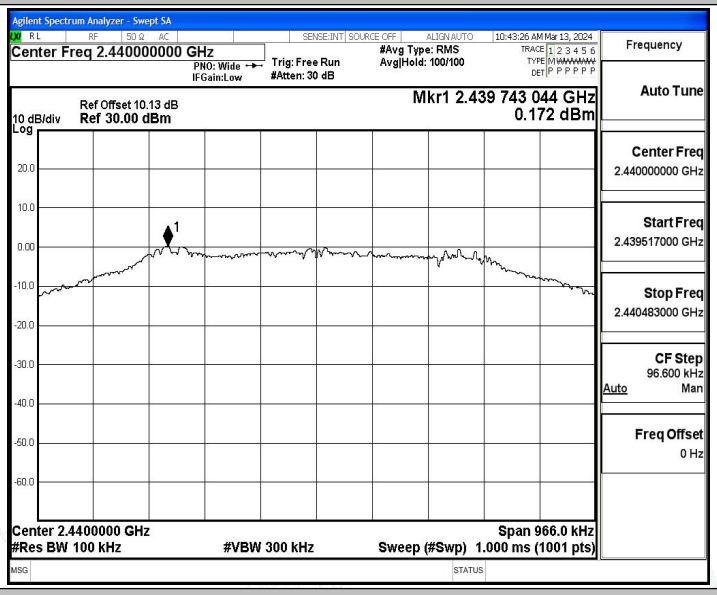
Test Graphs

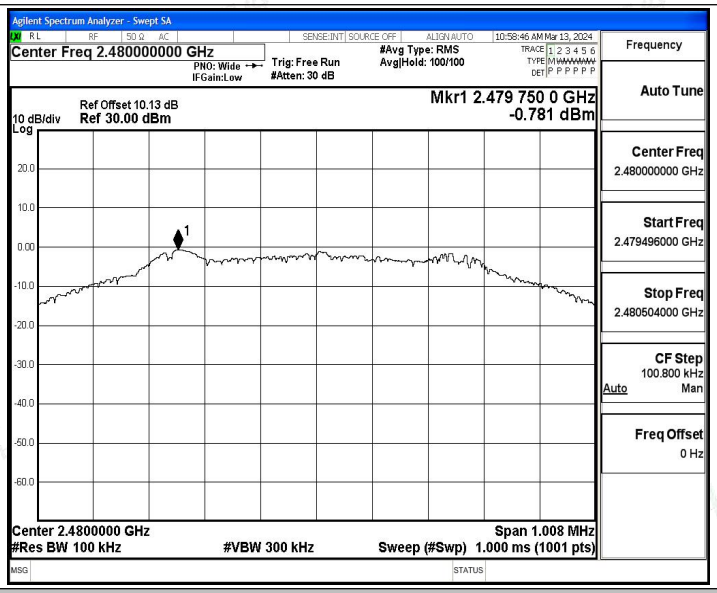
BLE_1M_Ant1_2402



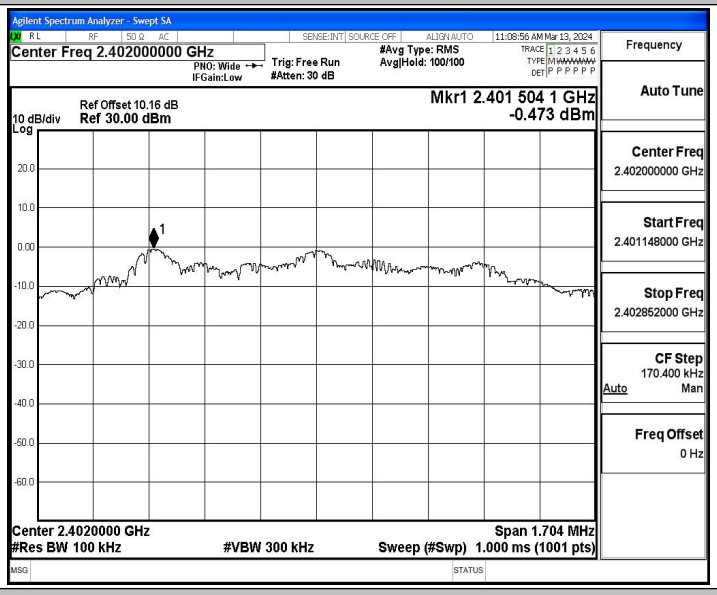
BLE_1M_Ant1_2440



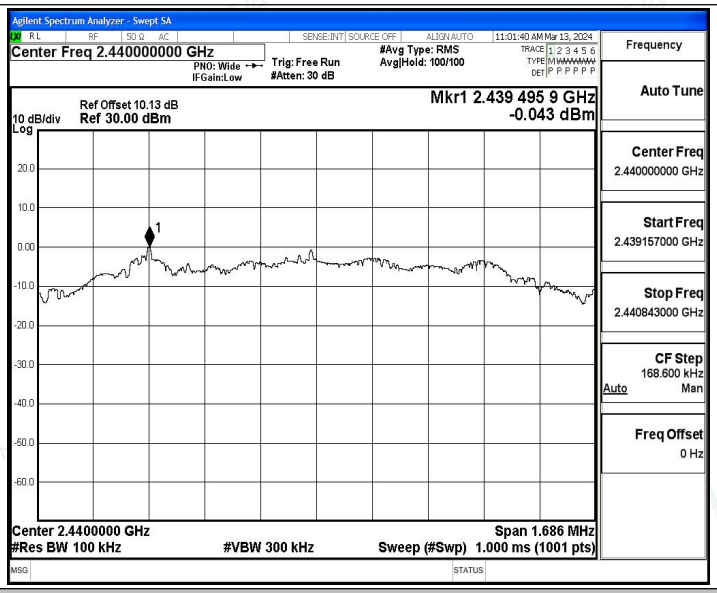
BLE_1M_Ant1_2480



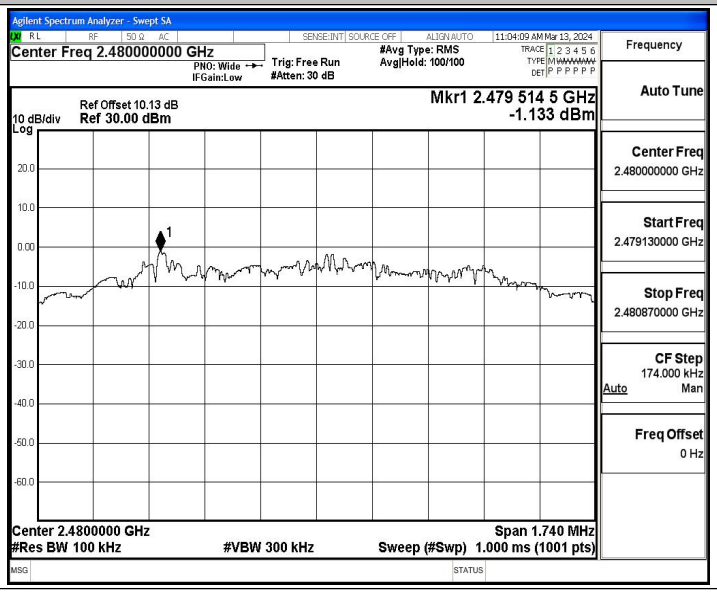
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



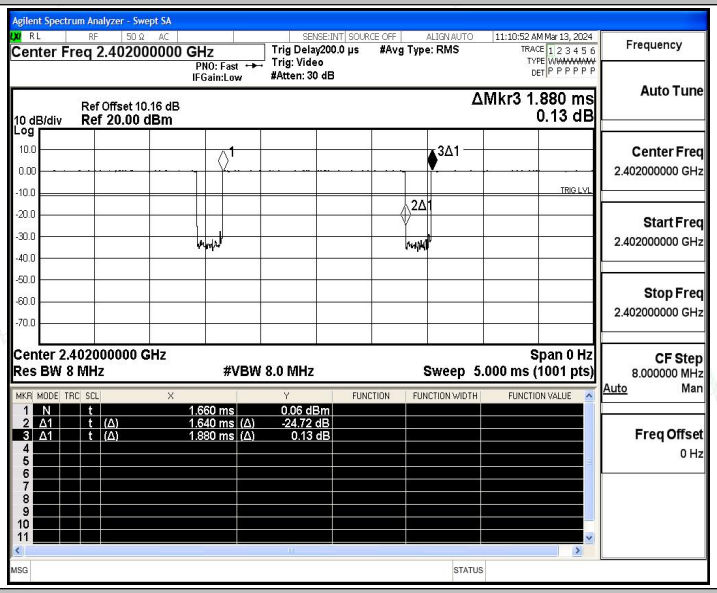
A.6 Duty Cycle

Test Result

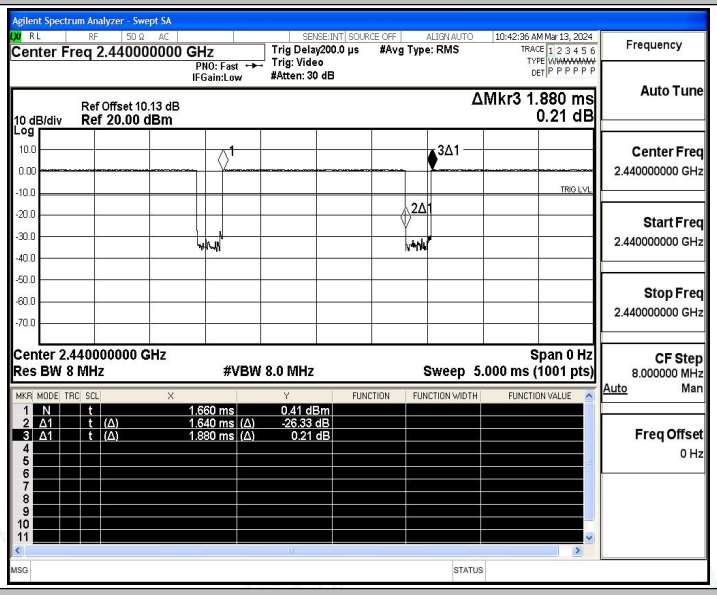
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[dB]
BLE_1M	Ant1	2402	1.64	1.88	87.23	0.59	0.61
		2440	1.64	1.88	87.23	0.59	0.61
		2480	1.64	1.88	87.23	0.59	0.61
BLE_2M	Ant1	2402	0.83	1.25	66.40	1.78	1.20
		2440	0.83	1.25	66.40	1.78	1.20
		2480	0.83	1.25	66.40	1.78	1.20

Test Graphs

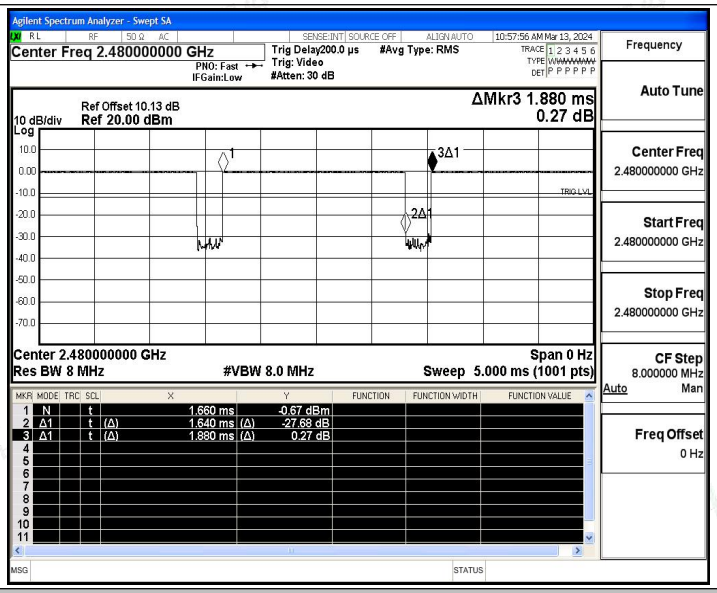
BLE_1M_Ant1_2402



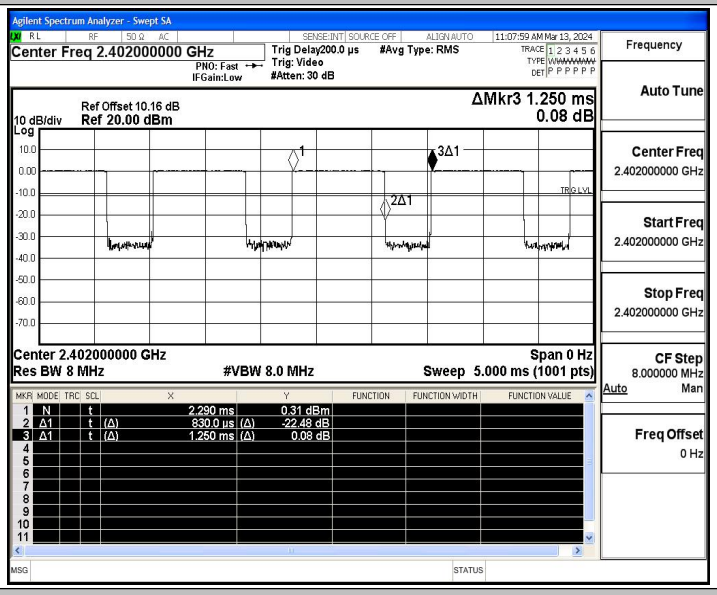
BLE_1M_Ant1_2440



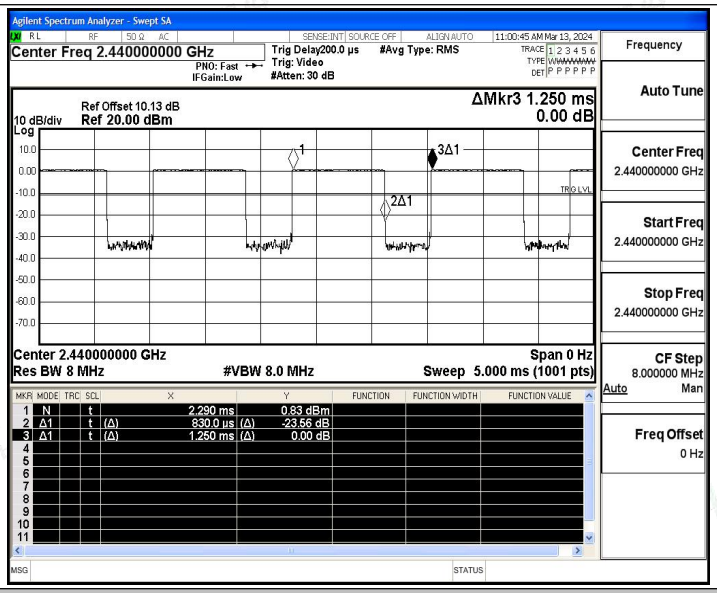
BLE_1M_Ant1_2480



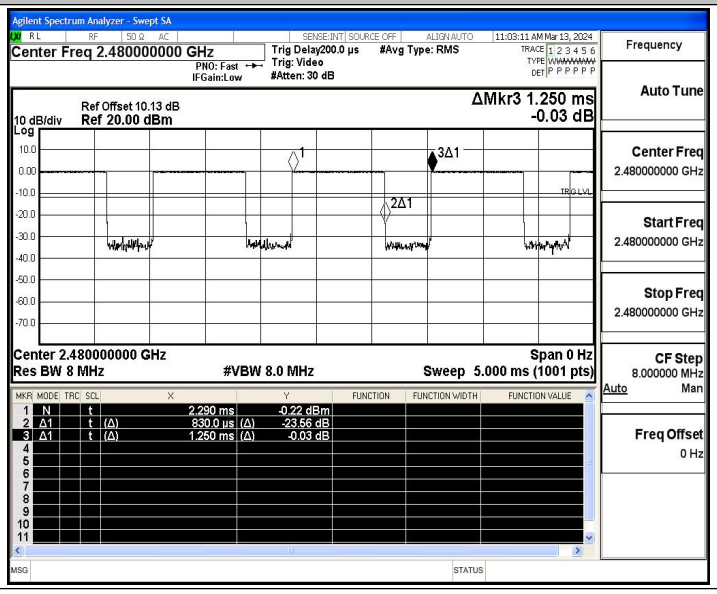
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



A.7 Emissions in Restricted Bands

Test Result

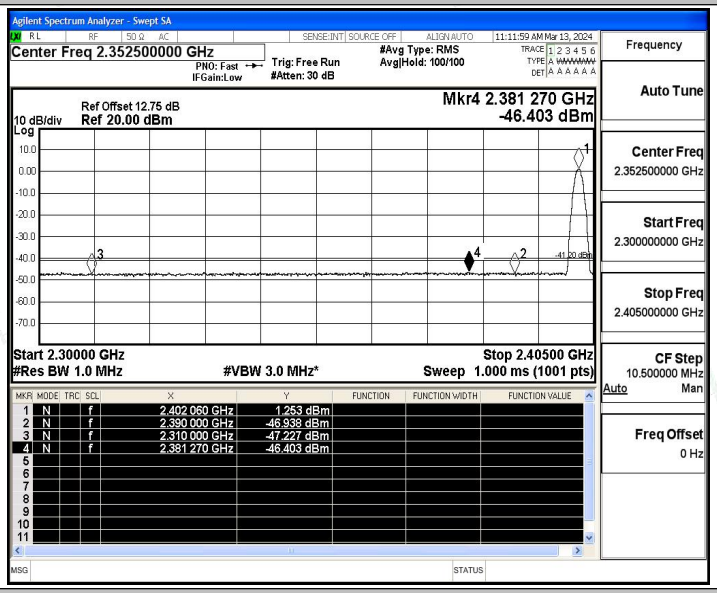
TestMode	Antenna	ChName	Frequency[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-47.23	≤-41.20	47.97	≤54	PASS
				AV	2381.270	-46.4	≤-41.20	48.80	≤54	PASS
				AV	2390.000	-46.94	≤-41.20	48.26	≤54	PASS
				Peak	2310.000	-40.82	≤-21.20	54.38	≤74	PASS
				Peak	2343.785	-36.88	≤-21.20	58.32	≤74	PASS
				Peak	2390.000	-39.63	≤-21.20	55.57	≤74	PASS
		High	2480	AV	2483.500	-46.79	≤-41.20	48.41	≤54	PASS
				AV	2483.600	-46.25	≤-41.20	48.95	≤54	PASS
				AV	2500.000	-46.96	≤-41.20	48.24	≤54	PASS
				Peak	2483.500	-40.5	≤-21.20	54.70	≤74	PASS
				Peak	2489.840	-37.12	≤-21.20	58.08	≤74	PASS
				Peak	2500.000	-41	≤-21.20	54.20	≤74	PASS
BLE_2M	Ant1	Low	2402	AV	2310.000	-45.85	≤-41.20	49.35	≤54	PASS
				AV	2378.435	-45.07	≤-41.20	50.13	≤54	PASS
				AV	2390.000	-46.39	≤-41.20	48.81	≤54	PASS
				Peak	2310.000	-41.73	≤-21.20	53.47	≤74	PASS
				Peak	2319.845	-36.09	≤-21.20	59.11	≤74	PASS
				Peak	2390.000	-38.73	≤-21.20	56.47	≤74	PASS
		High	2480	AV	2483.500	-45.87	≤-41.20	49.33	≤54	PASS
				AV	2494.960	-45.09	≤-41.20	50.11	≤54	PASS
				AV	2500.000	-45.91	≤-41.20	49.29	≤54	PASS
				Peak	2483.500	-38.05	≤-21.20	57.15	≤74	PASS
				Peak	2484.320	-35.8	≤-21.20	59.40	≤74	PASS
				Peak	2500.000	-40.41	≤-21.20	54.79	≤74	PASS

Note:

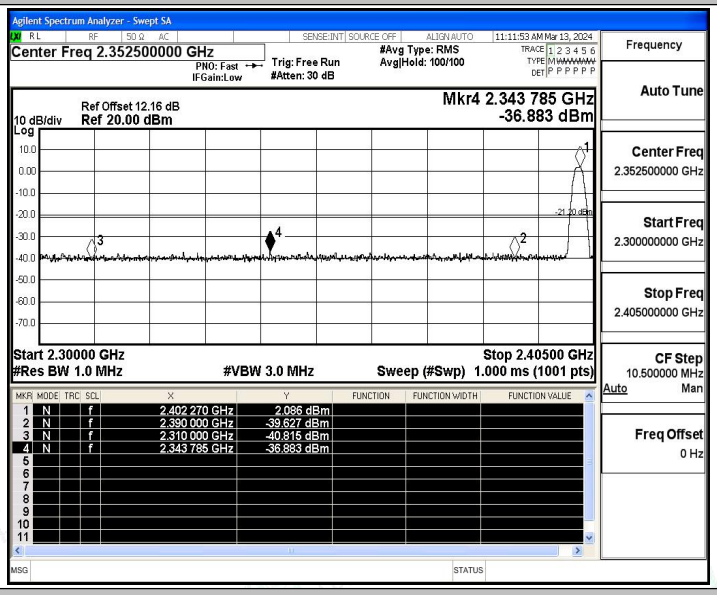
1. The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

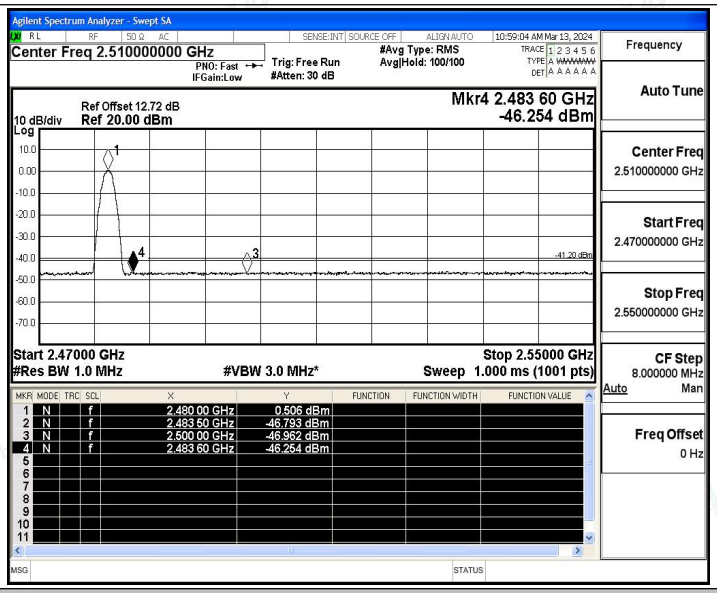
BLE_1M_Ant1_Low_2402_AV



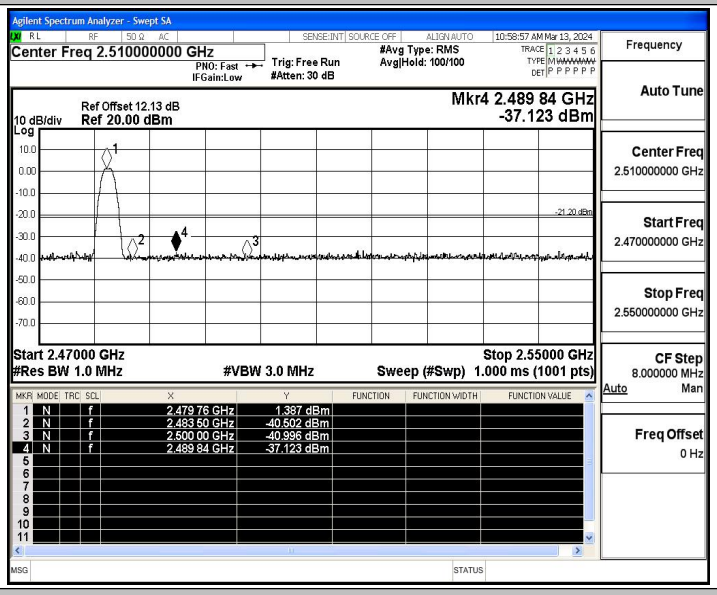
BLE_1M_Ant1_Low_2402_Peak



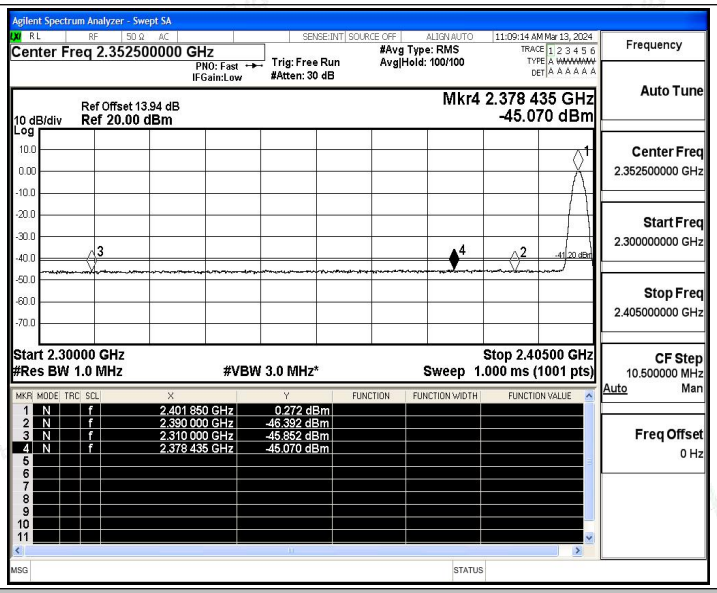
BLE_1M_Ant1_High_2480_AV



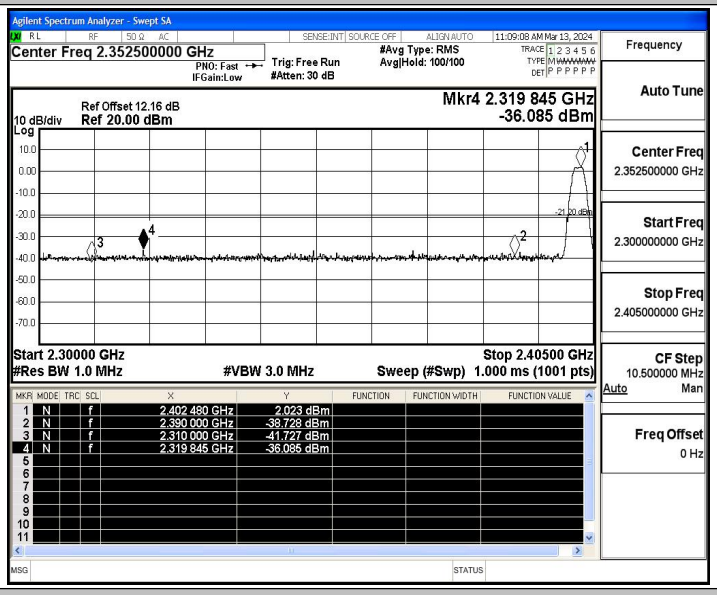
BLE_1M_Ant1_High_2480_Peak



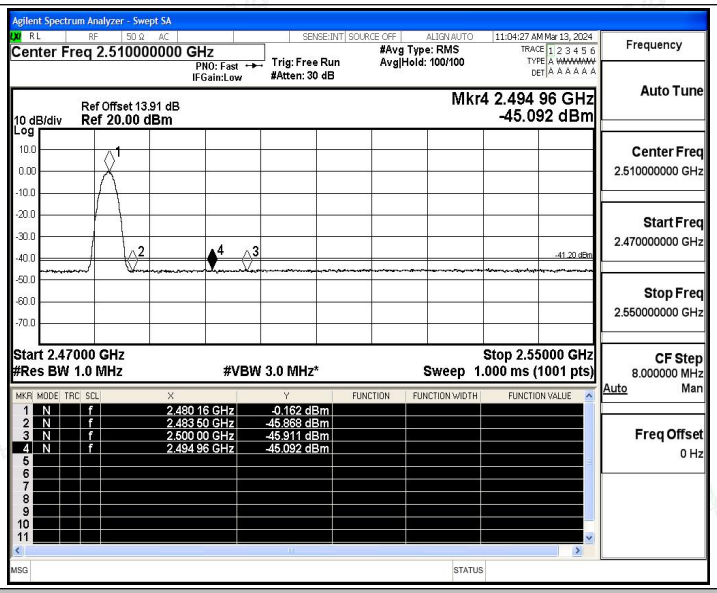
BLE_2M_Ant1_Low_2402_AV



BLE_2M_Ant1_Low_2402_Peak



BLE_2M_Ant1_High_2480_AV



BLE_2M_Ant1_High_2480_Peak