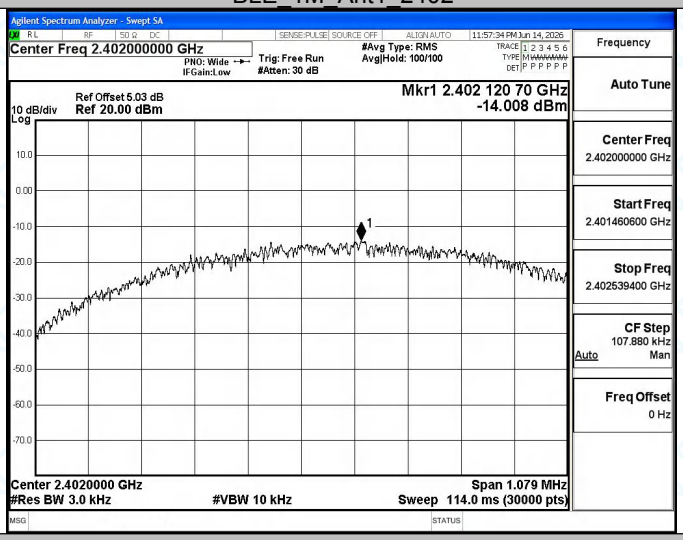
4.4 Appendix D: Maximum power spectral density

4.4.1 Test Result

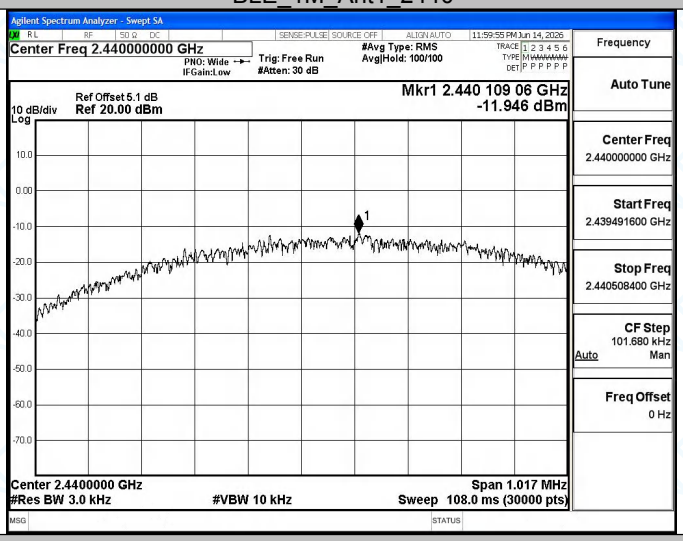
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.01	≤8.00	PASS
		2440	-11.95	≤8.00	PASS
		2480	-11.96	≤8.00	PASS
BLE_2M	Ant1	2402	-10.29	≤8.00	PASS
		2440	-9.80	≤8.00	PASS
		2480	-9.66	≤8.00	PASS

4.4.2 Test Graphs

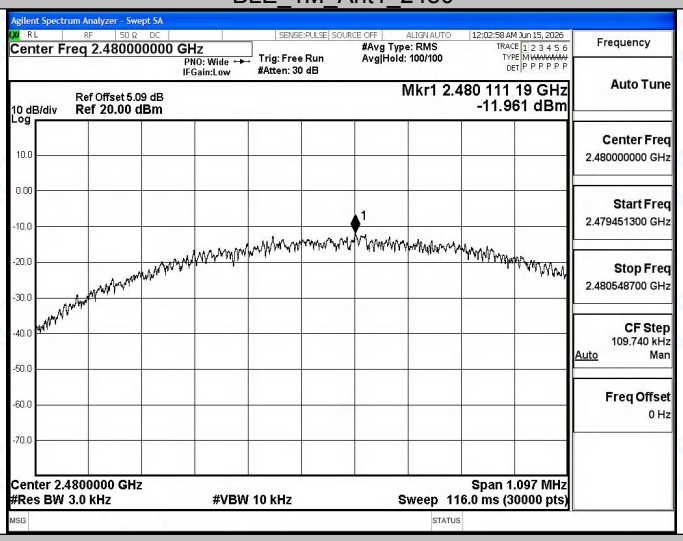
BLE_1M_Ant1_2402



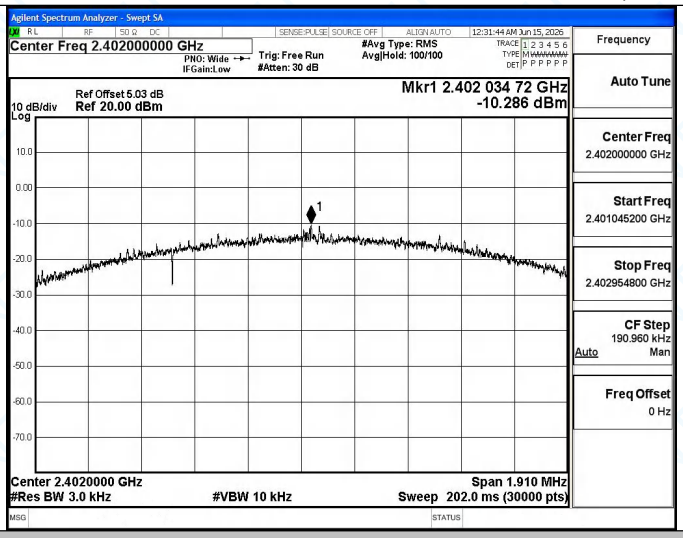
BLE_1M_Ant1_2440



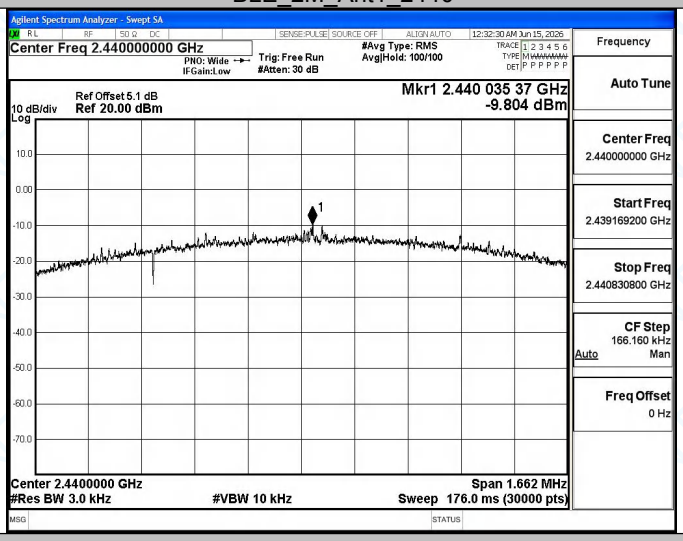
BLE_1M_Ant1_2480



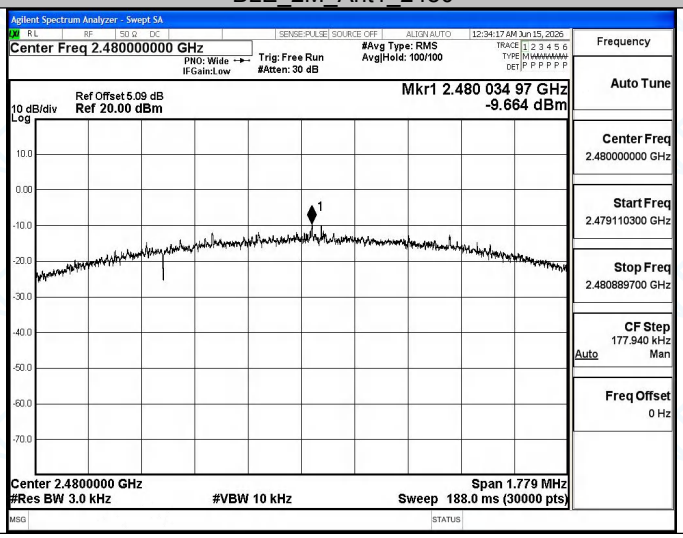
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



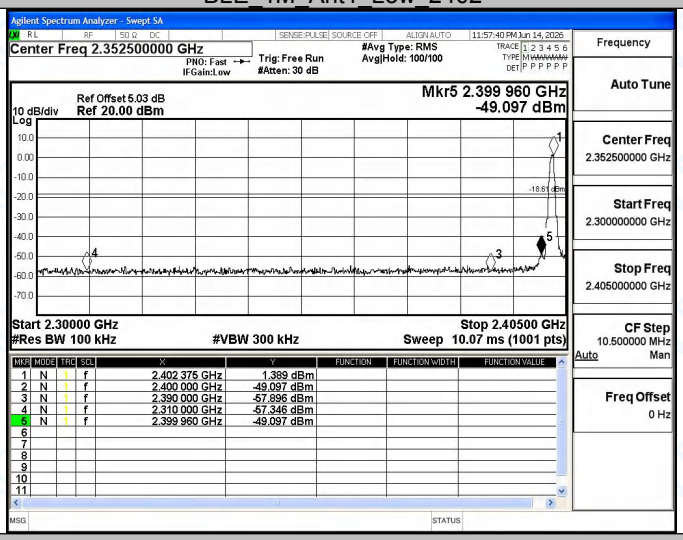
4.5 Appendix E: Band edge measurements

4.5.1 Test Result

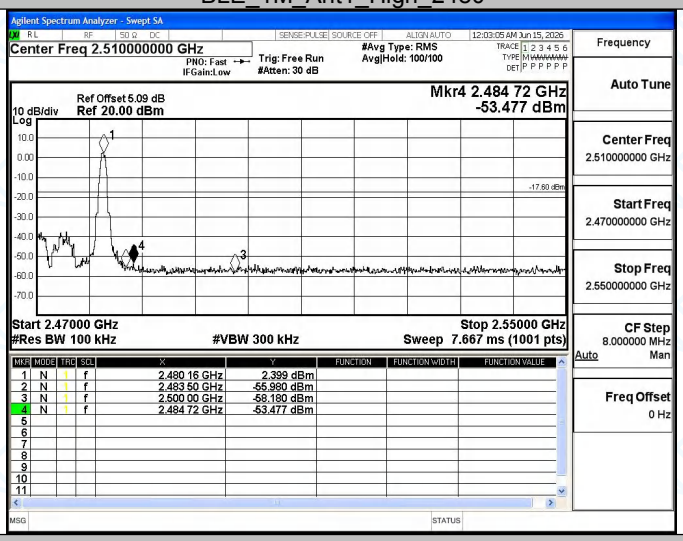
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.39	-49.1	≤-18.61	PASS
		High	2480	2.40	-53.48	≤-17.6	PASS
BLE_2M	Ant1	Low	2402	1.48	-34.44	≤-18.52	PASS
		High	2480	1.75	-52.46	≤-18.25	PASS

4.5.2 Test Graphs

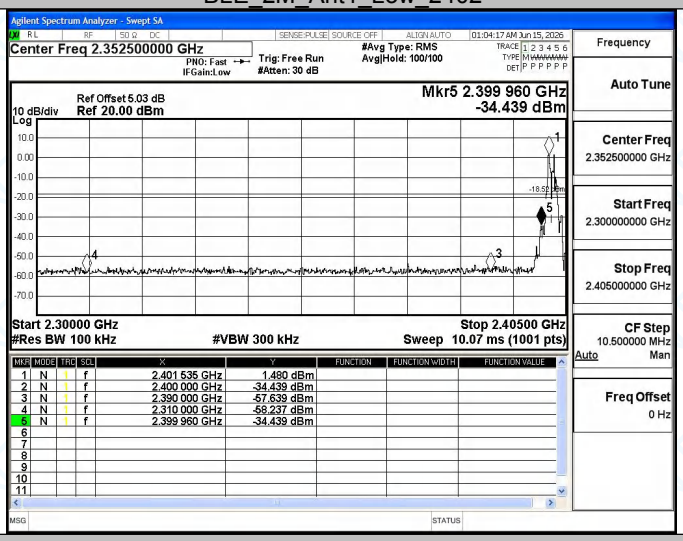
BLE_1M_Ant1_Low_2402



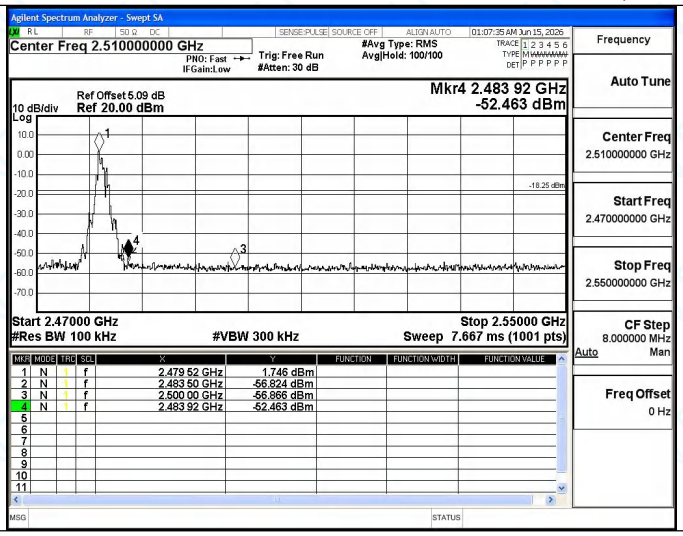
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.510000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
01:07:35 AM Jun 15, 2026
Ref Offset 5.09 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr4 2.483 92 GHz
-52.463 dBm
-18.25 dBm
Start 2.47000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.55000 GHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 2.479 52 GHz 1.746 dBm
2 N 1 f 2.483 50 GHz -56.824 dBm
3 N 1 f 2.500 00 GHz -56.866 dBm
4 N 1 f 2.483 92 GHz -52.463 dBm
Frequency
Auto Tune
Center Freq
2.510000000 GHz
Start Freq
2.470000000 GHz
Stop Freq
2.550000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

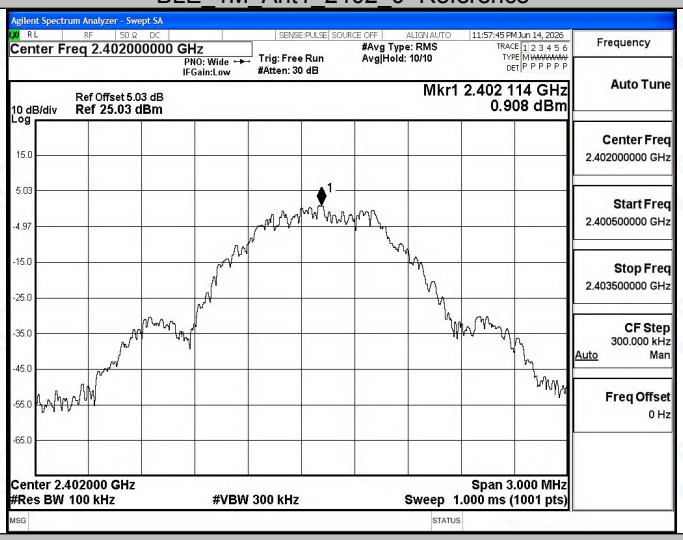
4.6 Appendix F: Conducted Spurious Emission

4.6.1 Test Result

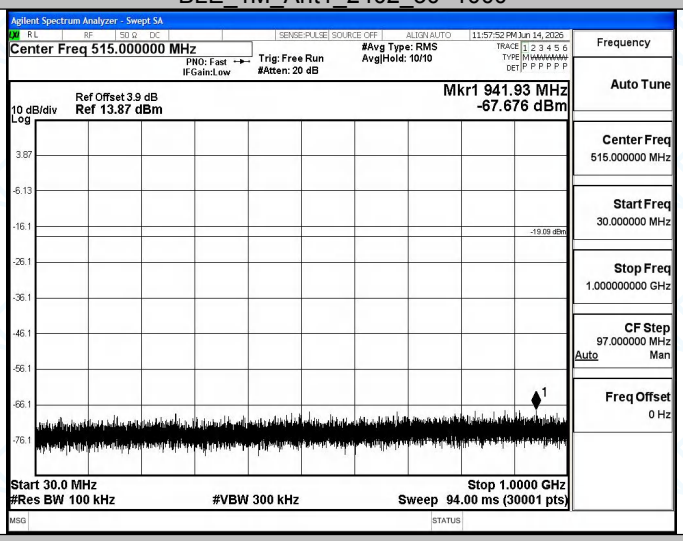
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-67.68	≤-19.09	PASS
			1000~26500	0.91	-34.98	≤-19.09	PASS
		2440	Reference	2.98	2.98	---	PASS
			30~1000	2.98	-67.17	≤-17.02	PASS
			1000~26500	2.98	-31.42	≤-17.02	PASS
		2480	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-68.09	≤-16.68	PASS
			1000~26500	3.32	-31.4	≤-16.68	PASS
BLE_2M	Ant1	2402	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-67.25	≤-18.52	PASS
			1000~26500	1.48	-47.59	≤-18.52	PASS
		2440	Reference	1.66	1.66	---	PASS
			30~1000	1.66	-67.74	≤-18.34	PASS
			1000~26500	1.66	-48.19	≤-18.34	PASS
		2480	Reference	1.76	1.76	---	PASS
			30~1000	1.76	-67.16	≤-18.24	PASS
			1000~26500	1.76	-47.71	≤-18.24	PASS

4.6.2 Test Graphs

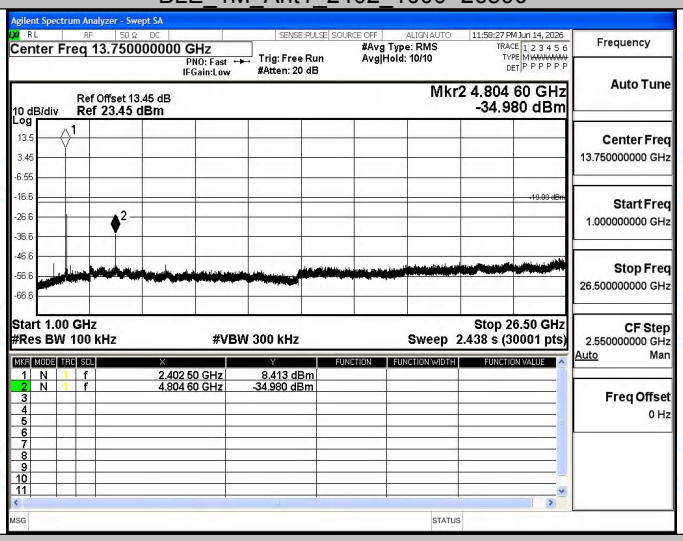
BLE_1M_Ant1_2402_0~Reference



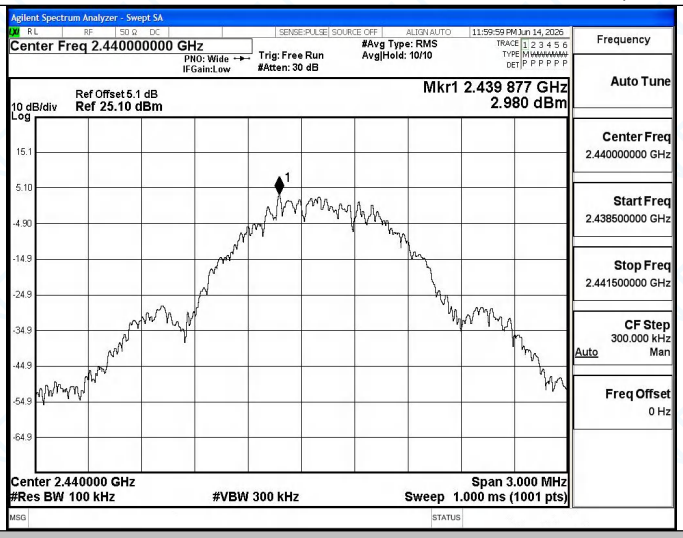
BLE_1M_Ant1_2402_30~1000



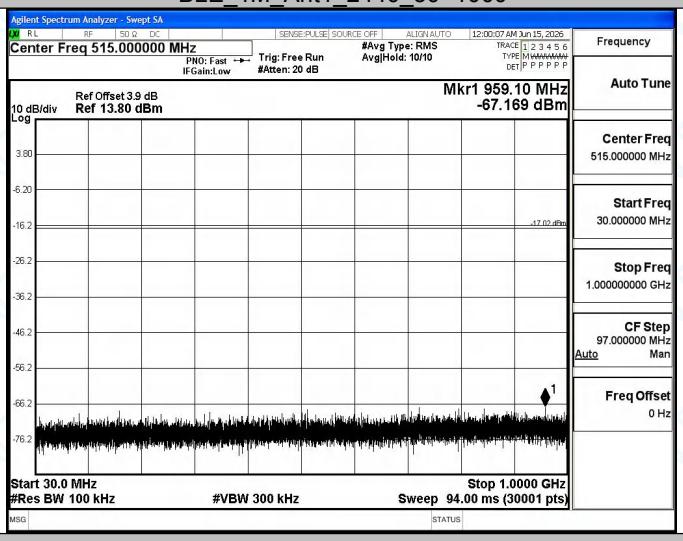
BLE_1M_Ant1_2402_1000~26500



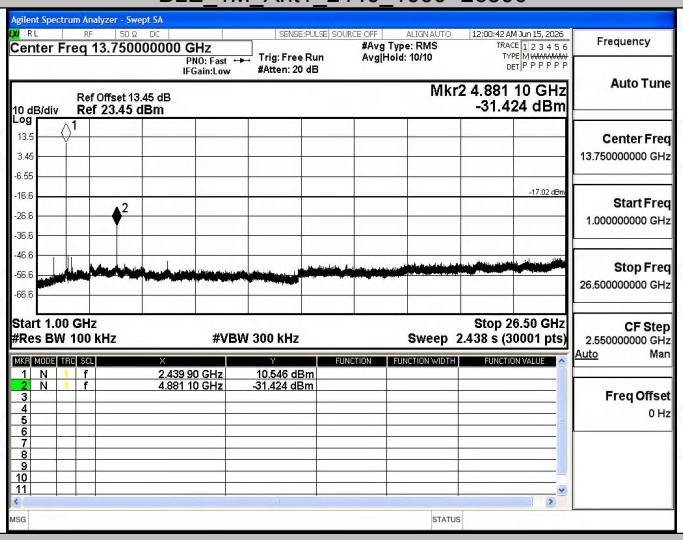
BLE_1M_Ant1_2440_0~Reference



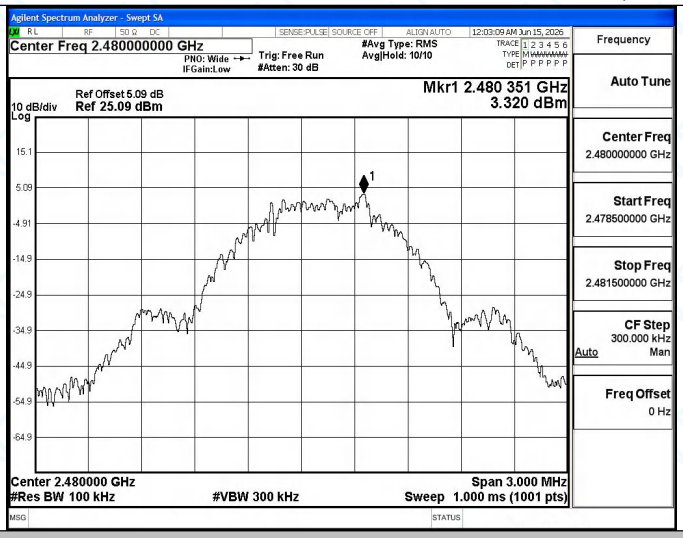
BLE_1M_Ant1_2440_30~1000



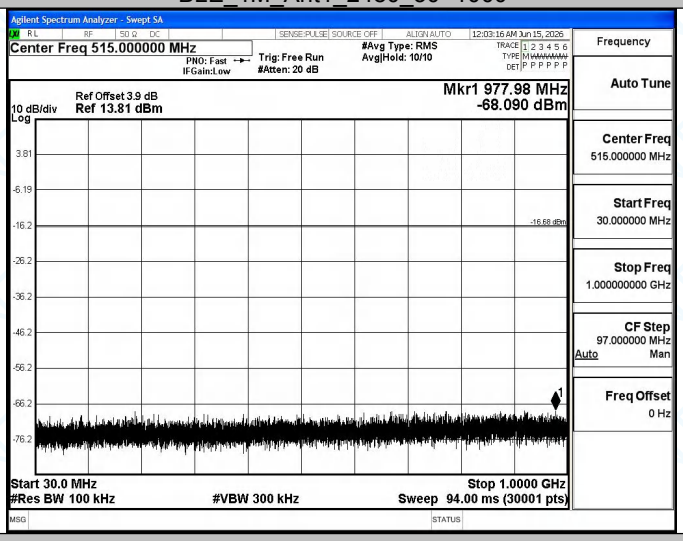
BLE_1M_Ant1_2440_1000~26500



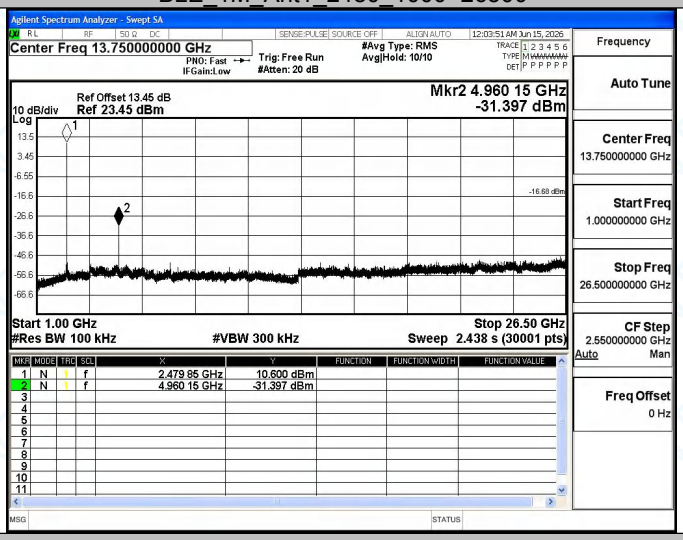
BLE_1M_Ant1_2480_0~Reference



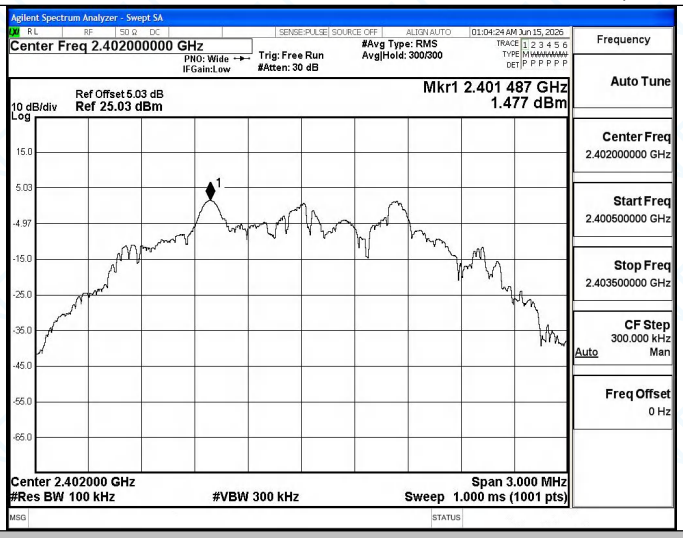
BLE_1M_Ant1_2480_30~1000



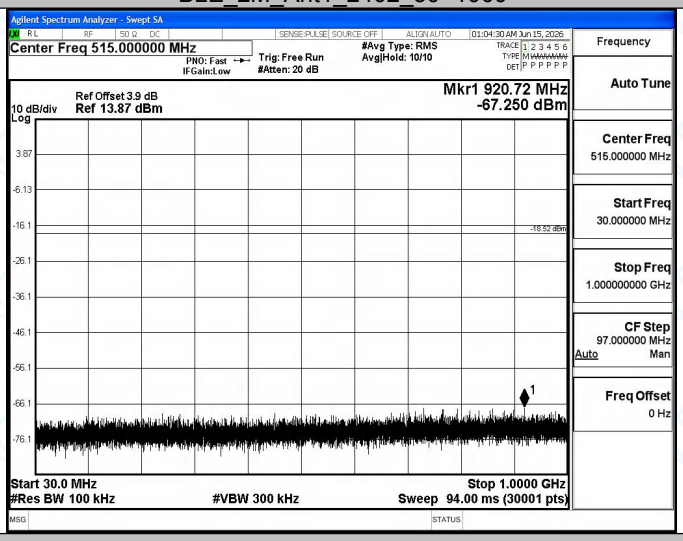
BLE_1M_Ant1_2480_1000~26500



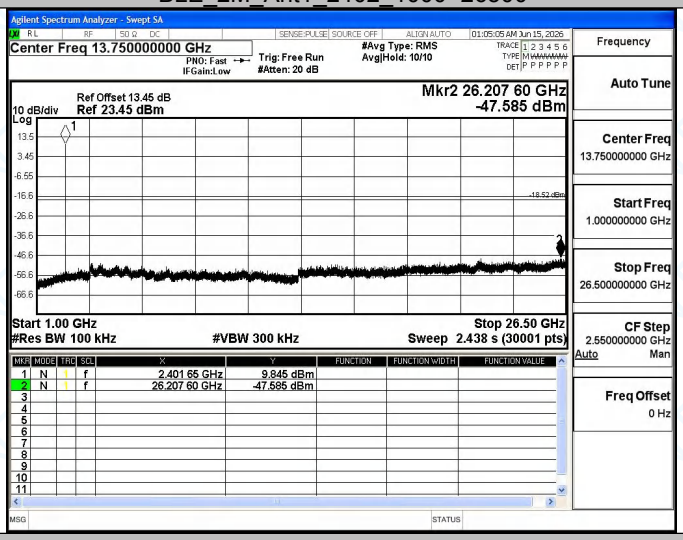
BLE_2M_Ant1_2402_0~Reference



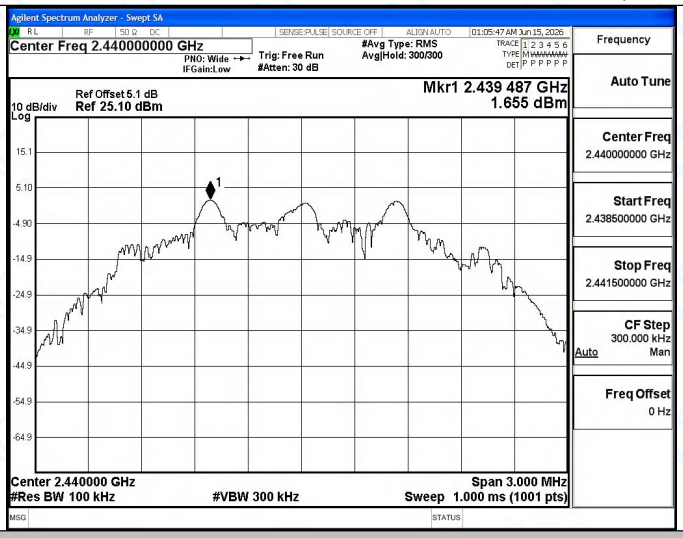
BLE_2M_Ant1_2402_30~1000



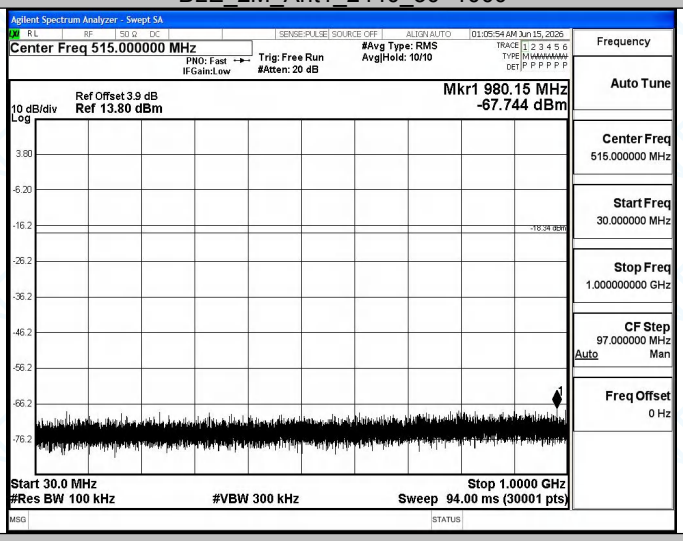
BLE_2M_Ant1_2402_1000~26500



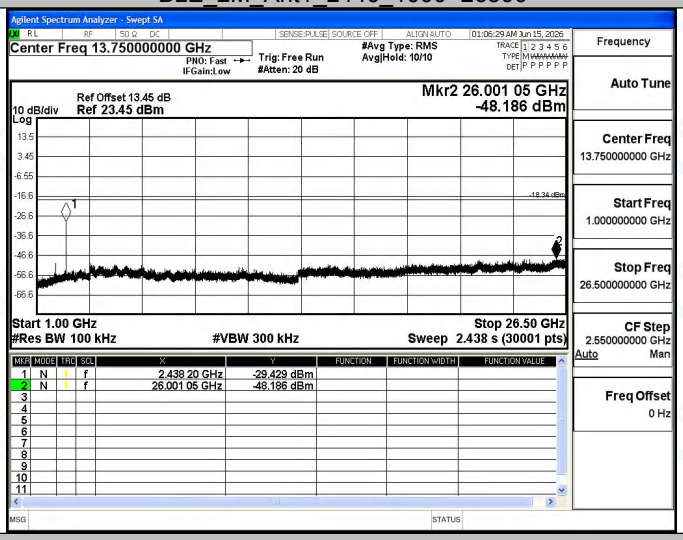
BLE_2M_Ant1_2440_0~Reference



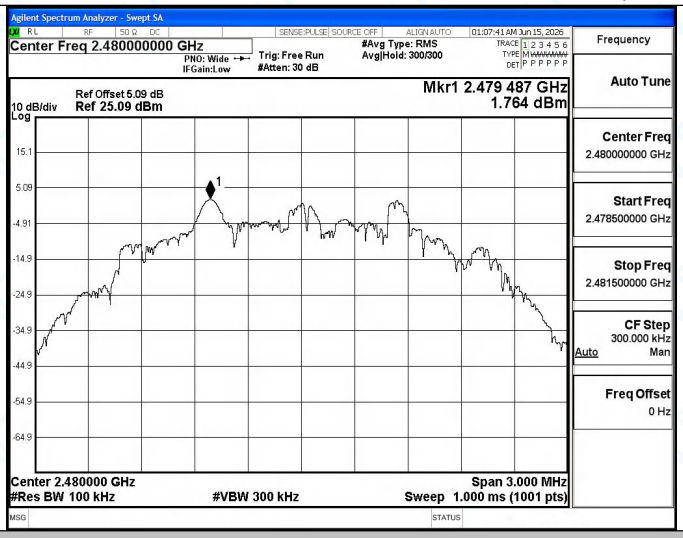
BLE_2M_Ant1_2440_30~1000



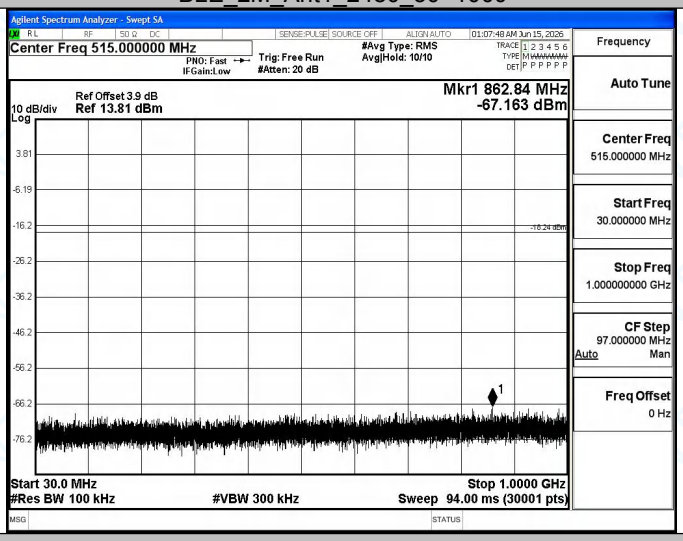
BLE_2M_Ant1_2440_1000~26500



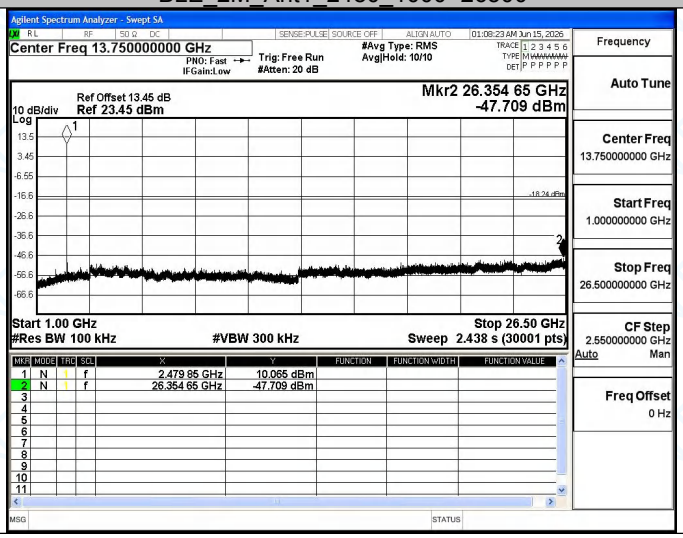
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



---The End Report---