

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.676	2402.348	0.5	PASS
		2440	0.676	2439.672	2440.348	0.5	PASS
		2480	0.672	2479.676	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.168	2401.420	2402.588	0.5	PASS
		2440	1.156	2439.444	2440.600	0.5	PASS
		2480	1.164	2479.432	2480.596	0.5	PASS

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0250	2401.5059	2402.5309	---	---
		2440	1.0248	2439.5056	2440.5304	---	---
		2480	1.0252	2479.5047	2480.5299	---	---
BLE_2M	Ant1	2402	2.0691	2401.0009	2403.0700	---	---
		2440	2.0689	2438.9982	2441.0671	---	---
		2480	2.0723	2478.9967	2481.0690	---	---

Test Graphs



BLE_1M_Ant1_2440

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

Atten: 40 dB
Preamp: Off

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 2.44000000 GHz
Avg/Hold: 100/100
Radio Std: None

Frequency

Center Frequency
2.44000000 GHz

Span
4.0000 MHz

CF Step
400.000 kHz

Auto
Man

Freq Offset
0 Hz

1 Graph

Ref Lvl Offset 11.72 dB
Ref Value 30.00 dBm

Mkr1 2.440264000 GHz
1.76 dBm

Log

Scale/Div 10.0 dB

Center 2.440000 GHz
#Res BW 43.000 kHz

#Video BW 130.00 kHz

Span 4 MHz

Sweep 2.07 ms (1001 pts)

2 Metrics

Occupied Bandwidth
1.0248 MHz

Total Power
10.9 dBm

Transmit Freq Error
18.012 kHz

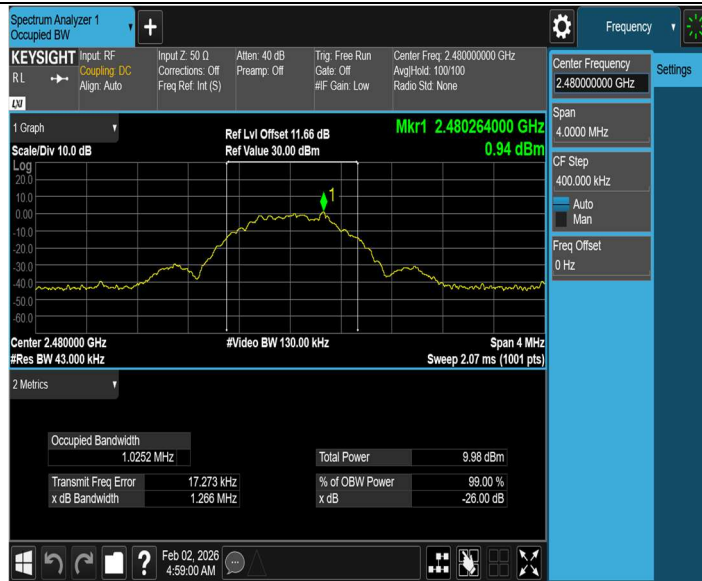
% of OBW Power
99.00 %

x dB Bandwidth
1.268 MHz

x dB
-26.00 dB

Feb 02, 2026
4:53:42 AM

BLE_1M_Ant1_2480



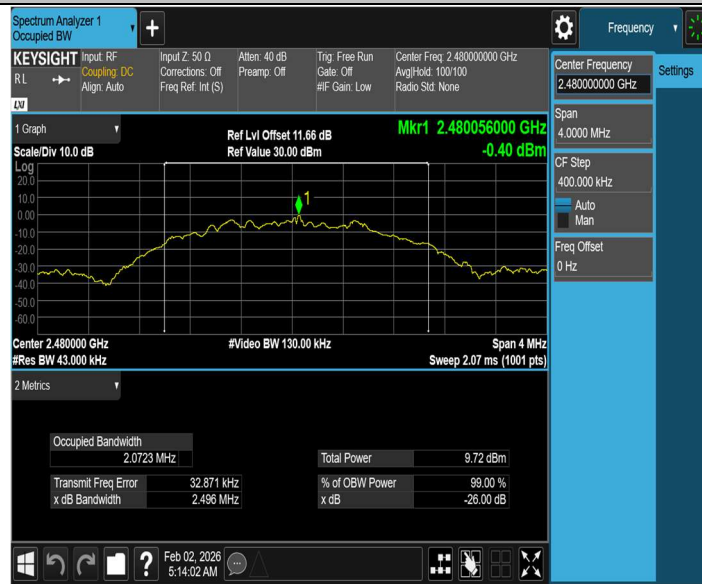
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



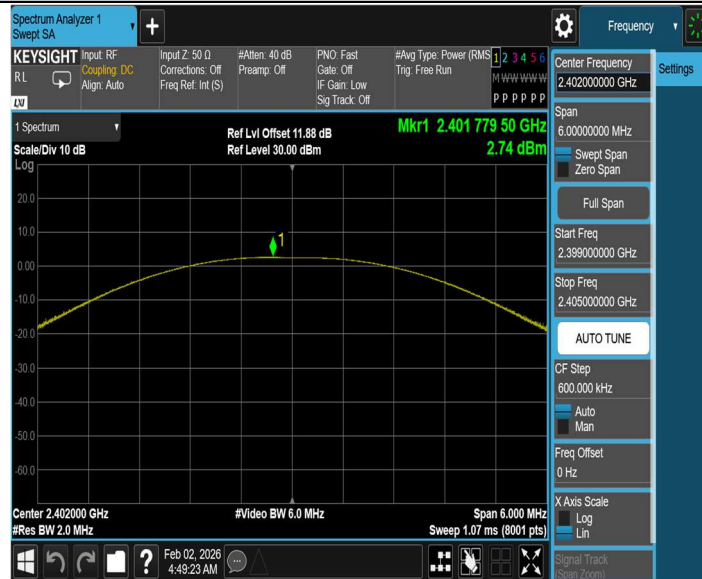
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.74	≤30	3.83	≤36	PASS
		2440	3.61	≤30	4.70	≤36	PASS
		2480	2.77	≤30	3.86	≤36	PASS
BLE_2M	Ant1	2402	2.86	≤30	3.95	≤36	PASS
		2440	3.87	≤30	4.96	≤36	PASS
		2480	3.02	≤30	4.11	≤36	PASS

Test Graphs Peak

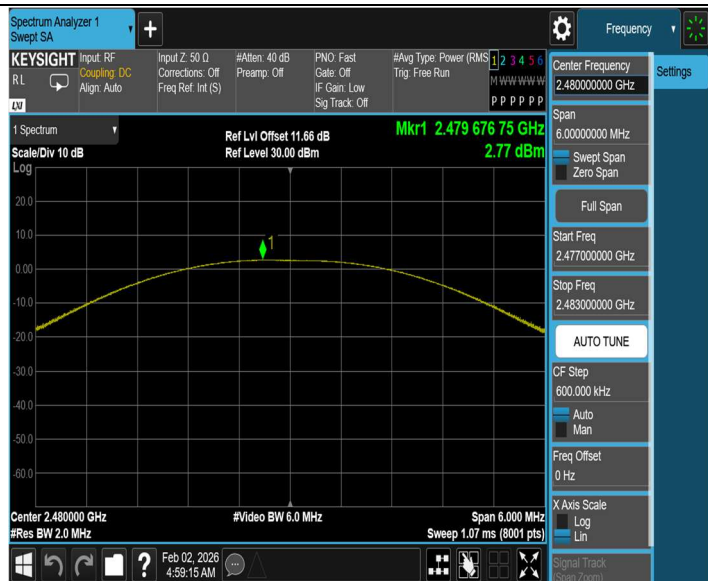
BLE_1M_Ant1_2402



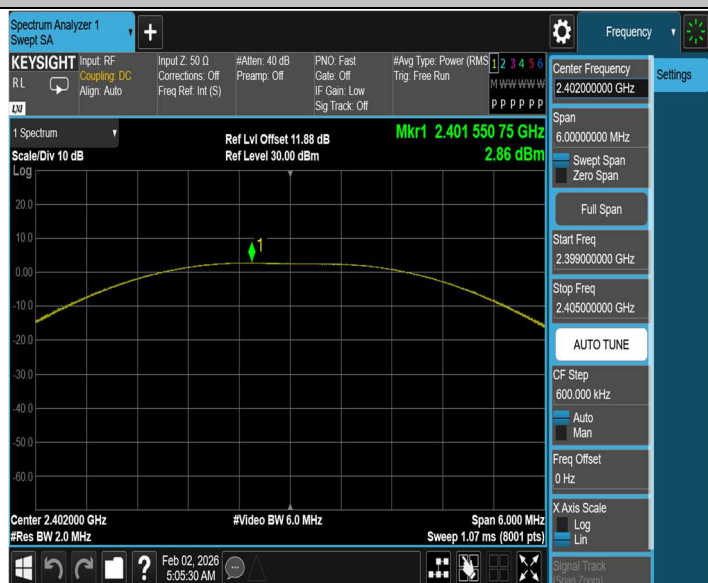
BLE_1M_Ant1_2440



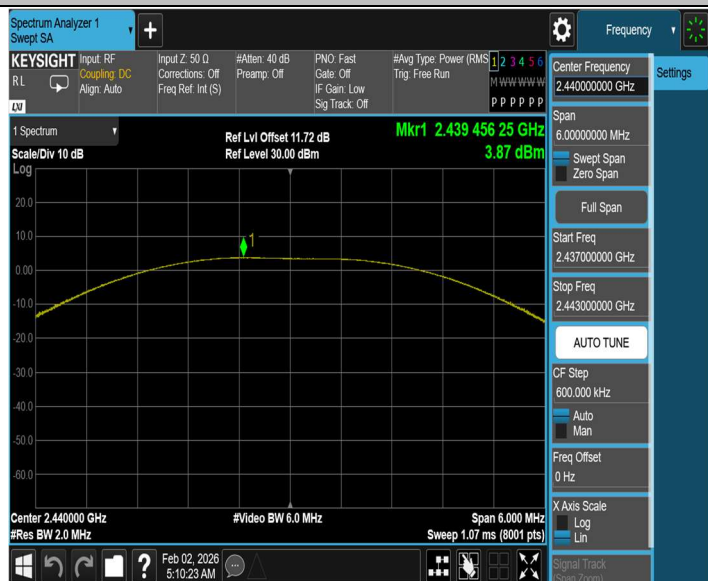
BLE_1M_Ant1_2480



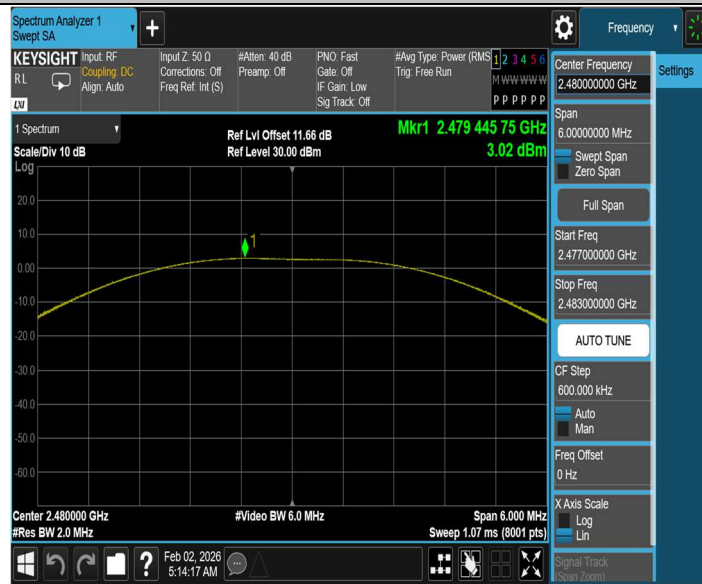
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



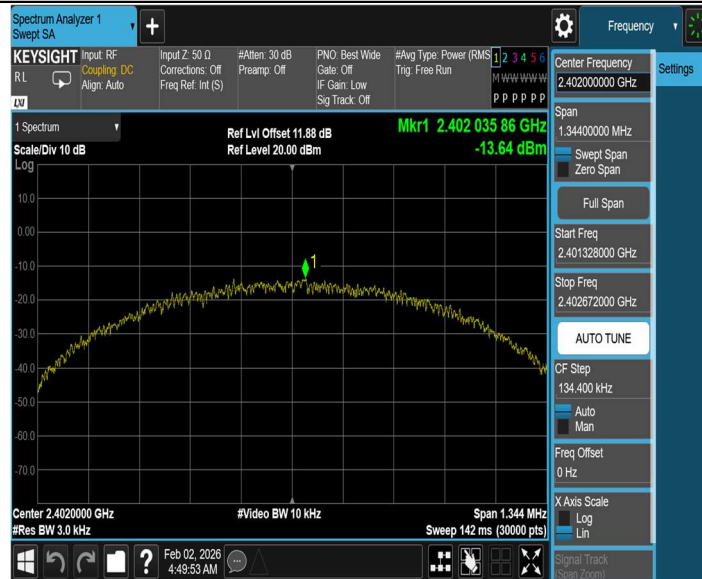
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.64	≤8.00	PASS
		2440	-12.67	≤8.00	PASS
		2480	-13.65	≤8.00	PASS
BLE_2M	Ant1	2402	-15.71	≤8.00	PASS
		2440	-14.87	≤8.00	PASS
		2480	-15.83	≤8.00	PASS

Test Graphs

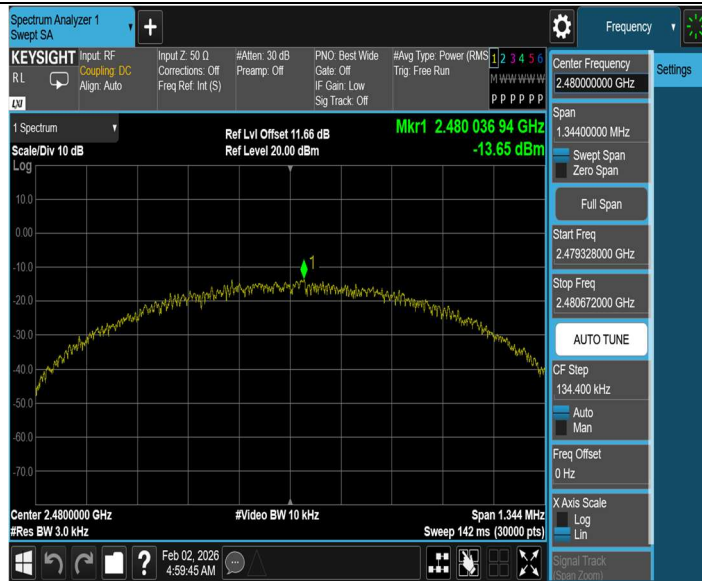
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



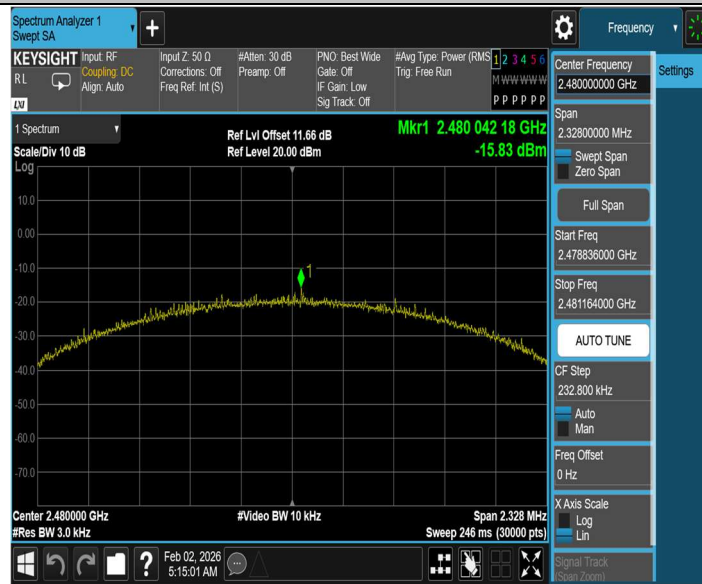
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



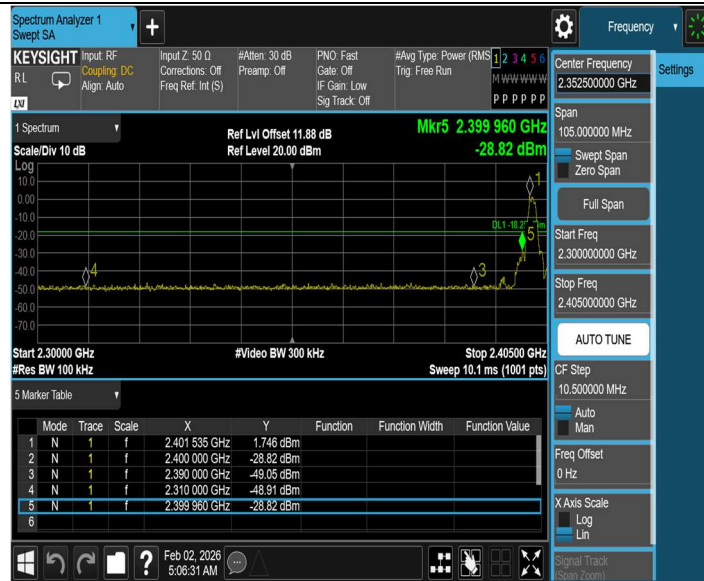
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.89	-34.74	≤-18.11	PASS
		High	2480	2.20	-34.45	≤-17.8	PASS
BLE_2M	Ant1	Low	2402	1.75	-28.82	≤-18.25	PASS
		High	2480	2.26	-37.53	≤-17.74	PASS

Test Graphs





BLE_2M_Ant1_High_2480



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	2.28	2.28	---	PASS
			30~1000	2.28	-58.12	≤-17.72	PASS
			1000~26500	2.28	-45.3	≤-17.72	PASS
		2440	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-57.94	≤-16.79	PASS
			1000~26500	3.21	-43.77	≤-16.79	PASS
		2480	Reference	2.28	2.28	---	PASS
			30~1000	2.28	-58.62	≤-17.72	PASS
			1000~26500	2.28	-44.6	≤-17.72	PASS
BLE_2M	Ant1	2402	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-58.24	≤-17.84	PASS
			1000~26500	2.16	-45.61	≤-17.84	PASS
		2440	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-57.97	≤-16.86	PASS
			1000~26500	3.14	-45.67	≤-16.86	PASS
		2480	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-58.33	≤-17.78	PASS
			1000~26500	2.22	-47.61	≤-17.78	PASS

Test Graphs

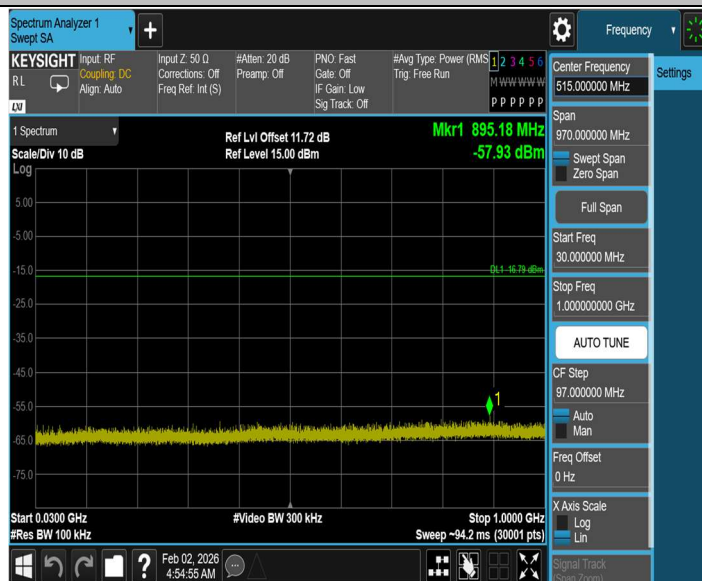




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



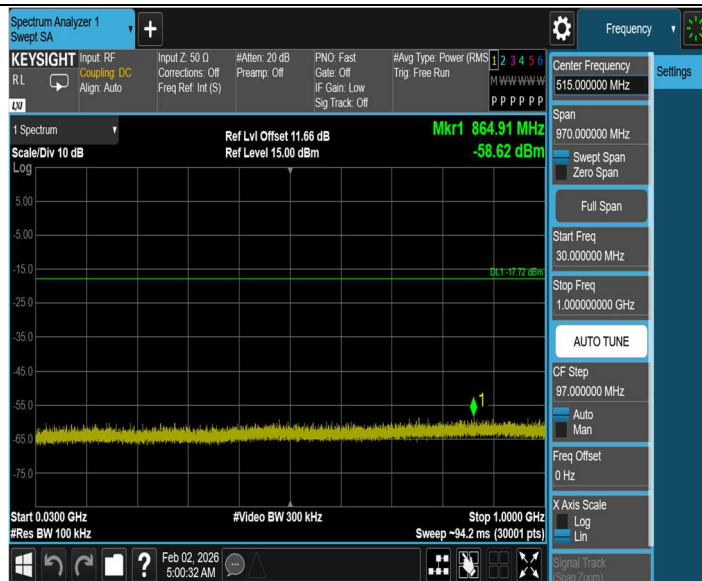
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



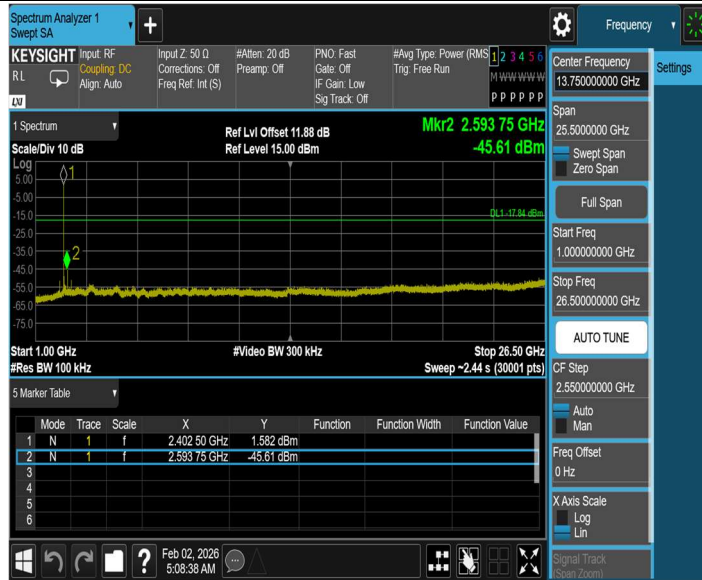
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500



BLE_2M_Ant1_2440_0~Reference