

Appendix B

RF Test Data for BT LE V5.1 (Conducted Measurement)

Product Name(PMN): T2 ANC Intelligent TWS Active Noise Cancellation Bluetooth headset

Trade Mark: LENTION

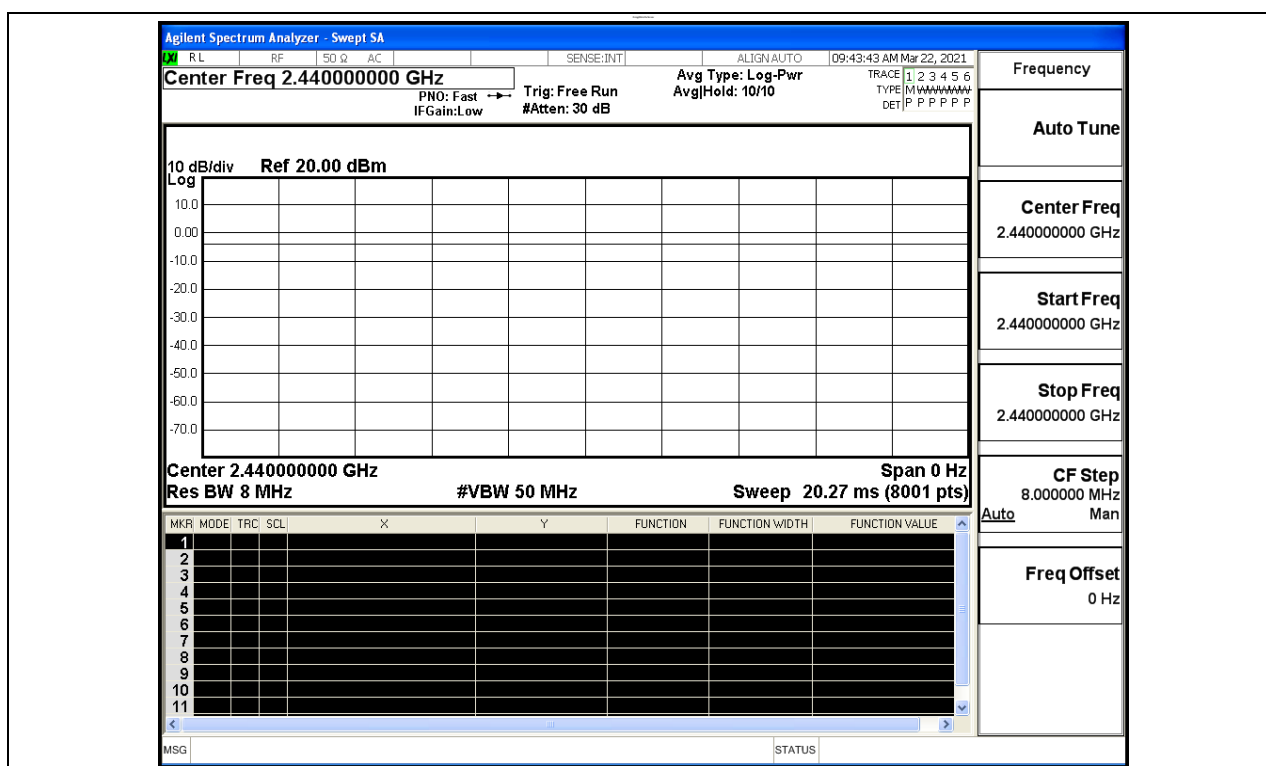
Test Model(HVIN): T2 ANC

Environmental Conditions

Temperature:	24.4° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

B.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS

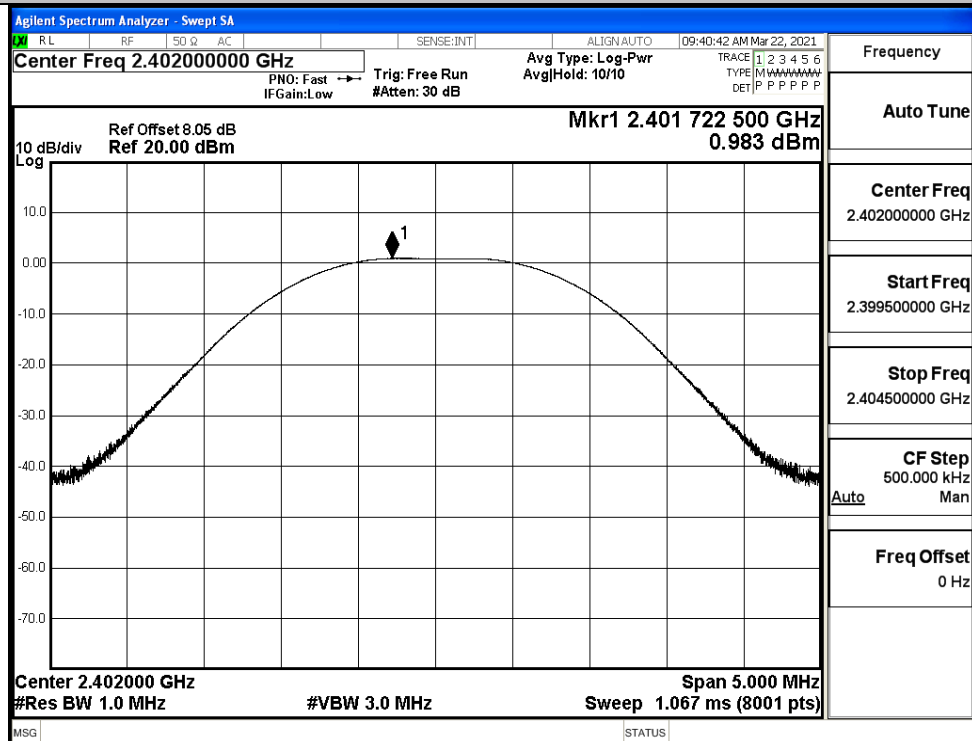


B.2 Maximum Conducted Peak Output Power

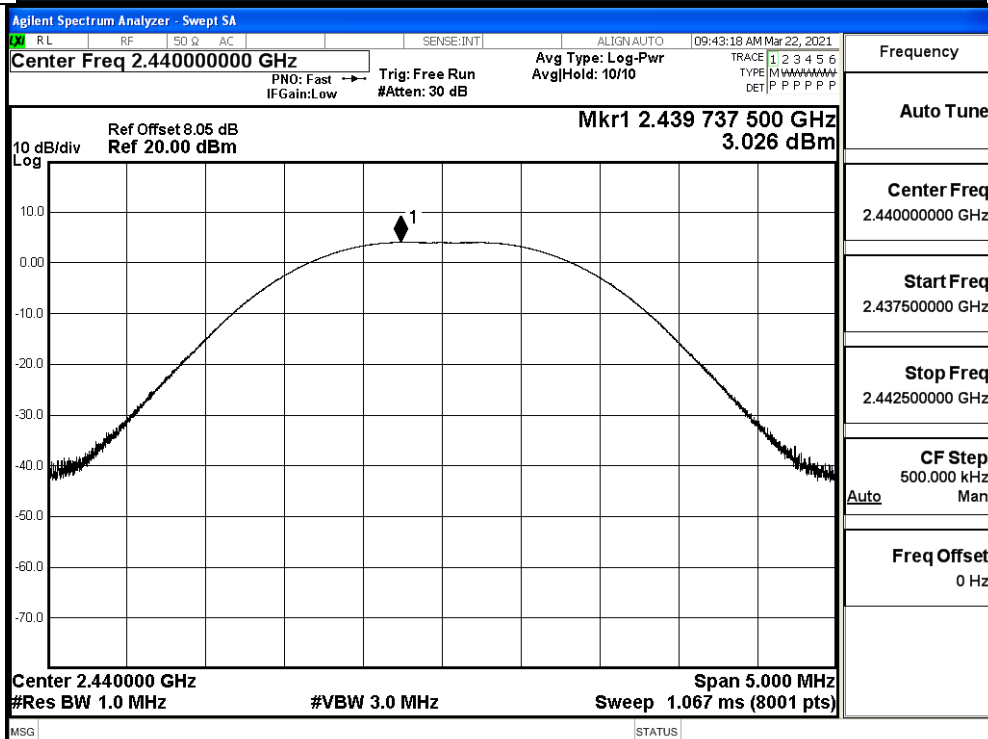
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.983	30	PASS
BT LE	MCH	3.026	30	PASS
BT LE	HCH	-0.269	30	PASS

Test Graphs

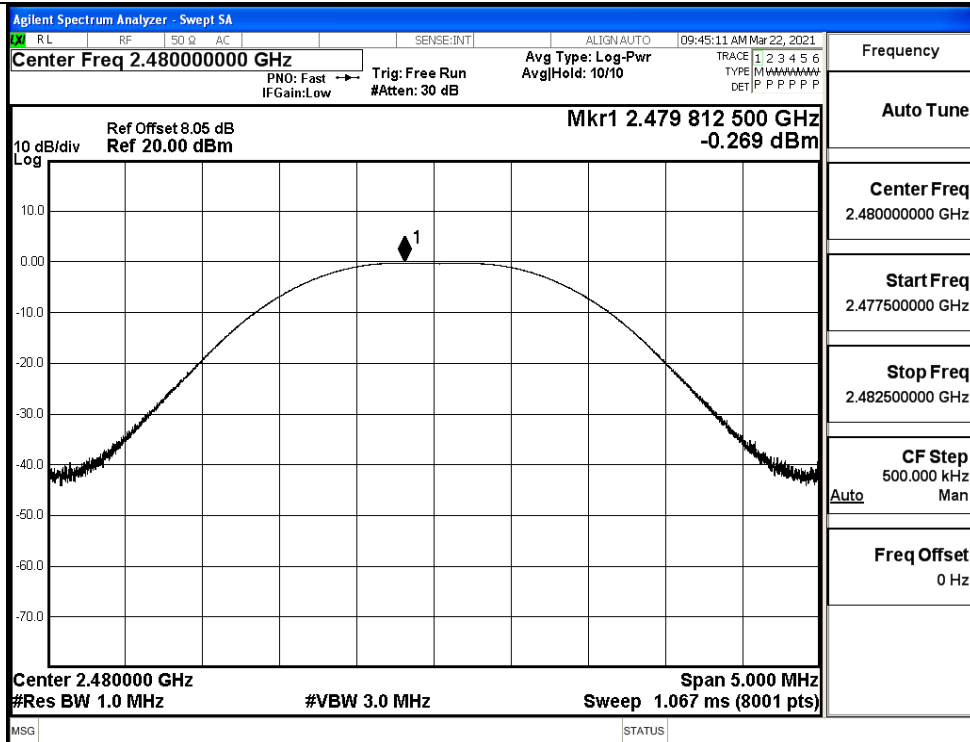
LCH



MCH



HCH

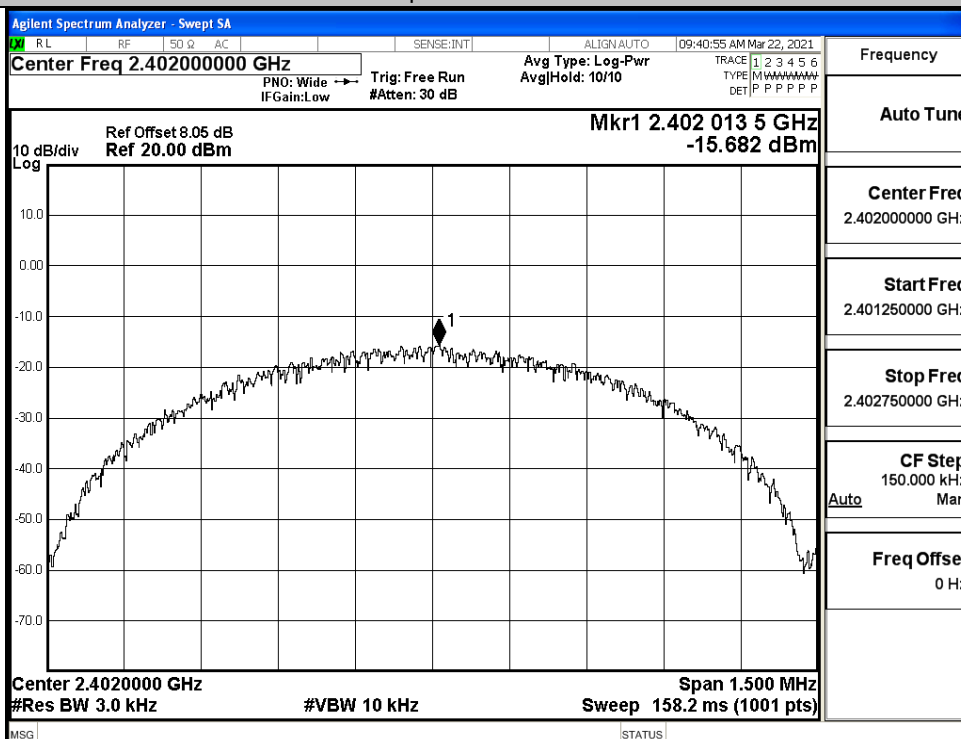


B.3 Maximum Power Spectral Density

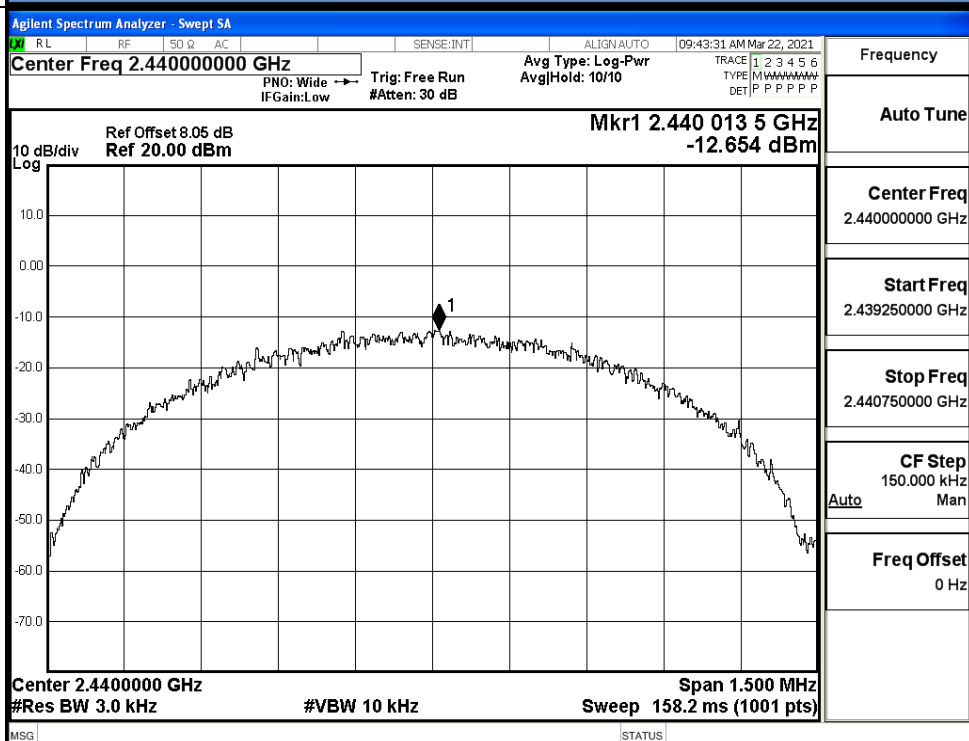
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.682	8	PASS
BT LE	MCH	-12.654	8	PASS
BT LE	HCH	-15.091	8	PASS

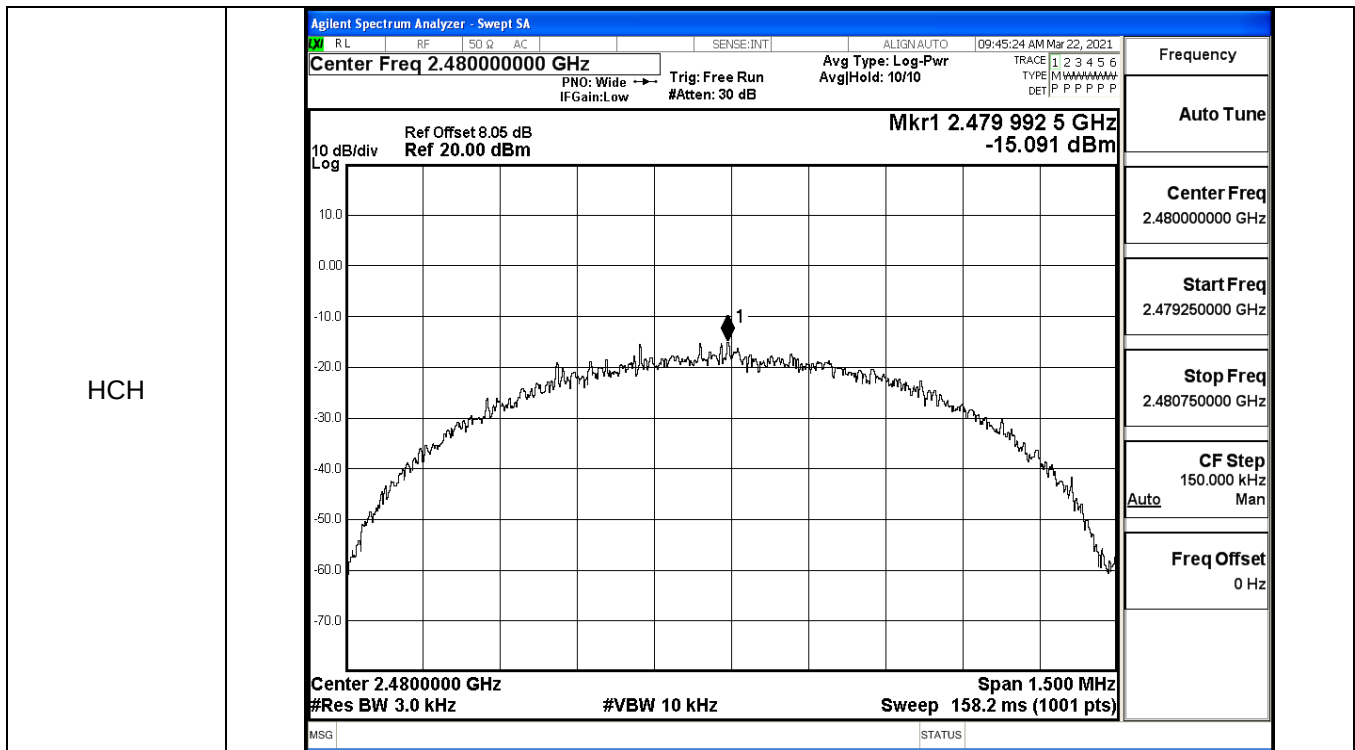
Test Graphs

LCH



MCH



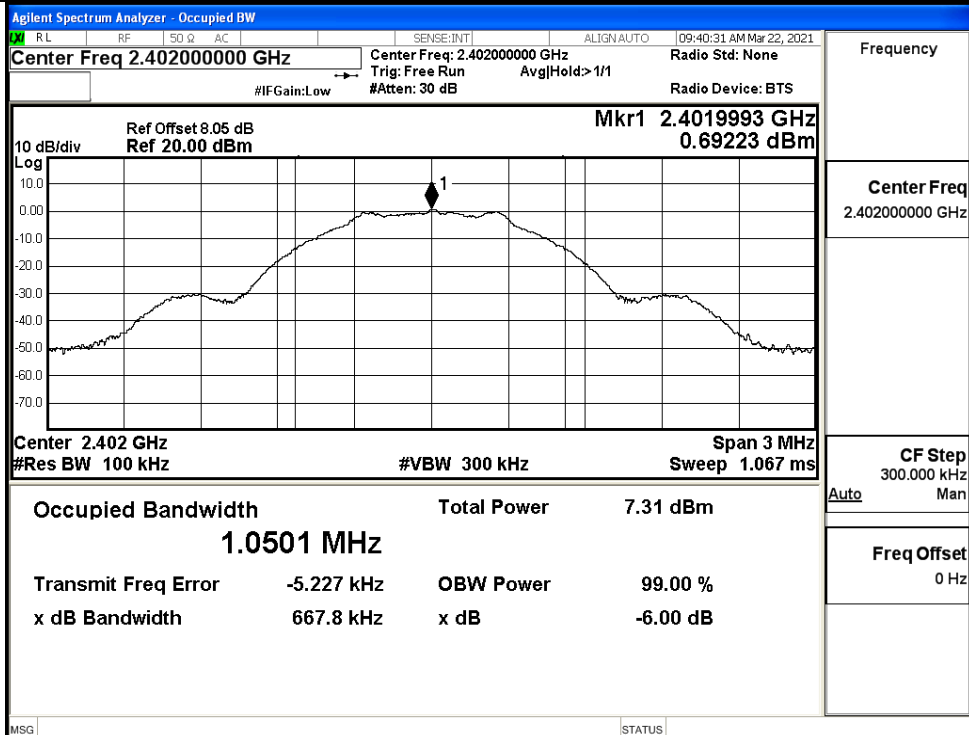


B.4 6dB Bandwidth

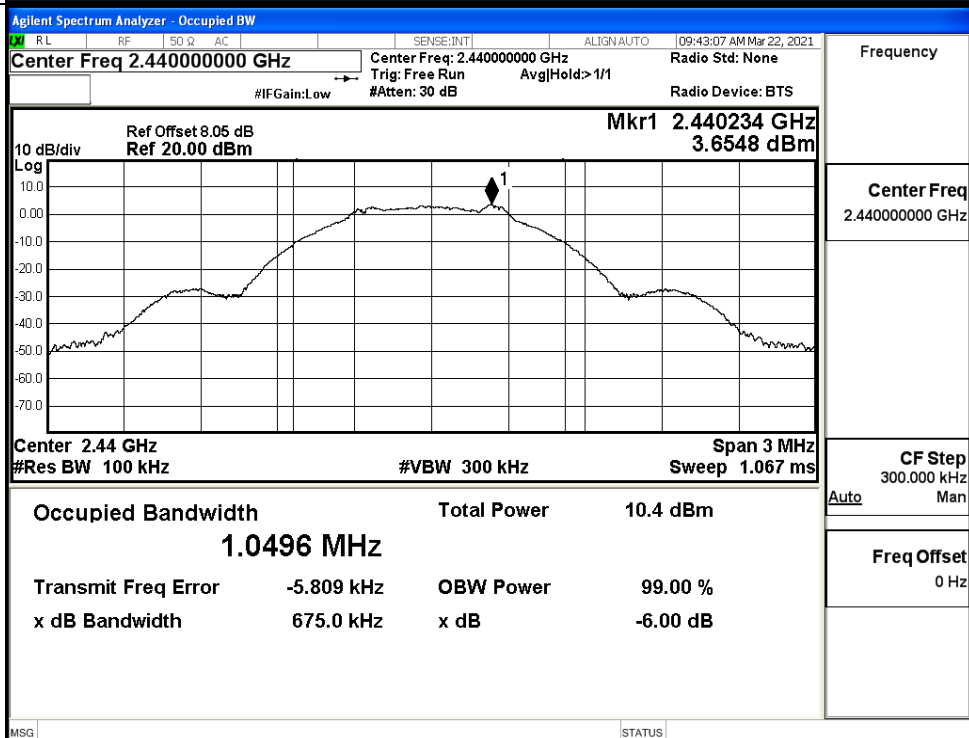
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6678	≥ 0.5	PASS
BT LE	MCH	0.6750	≥ 0.5	PASS
BT LE	HCH	0.6603	≥ 0.5	PASS

Test Graphs

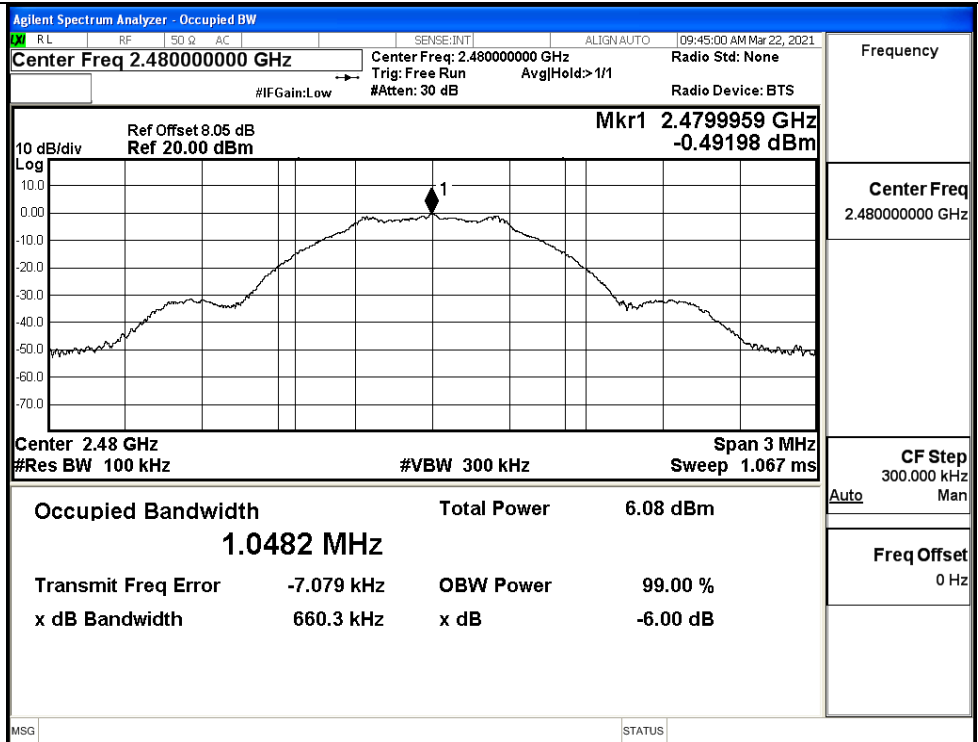
LCH



MCH



HCH

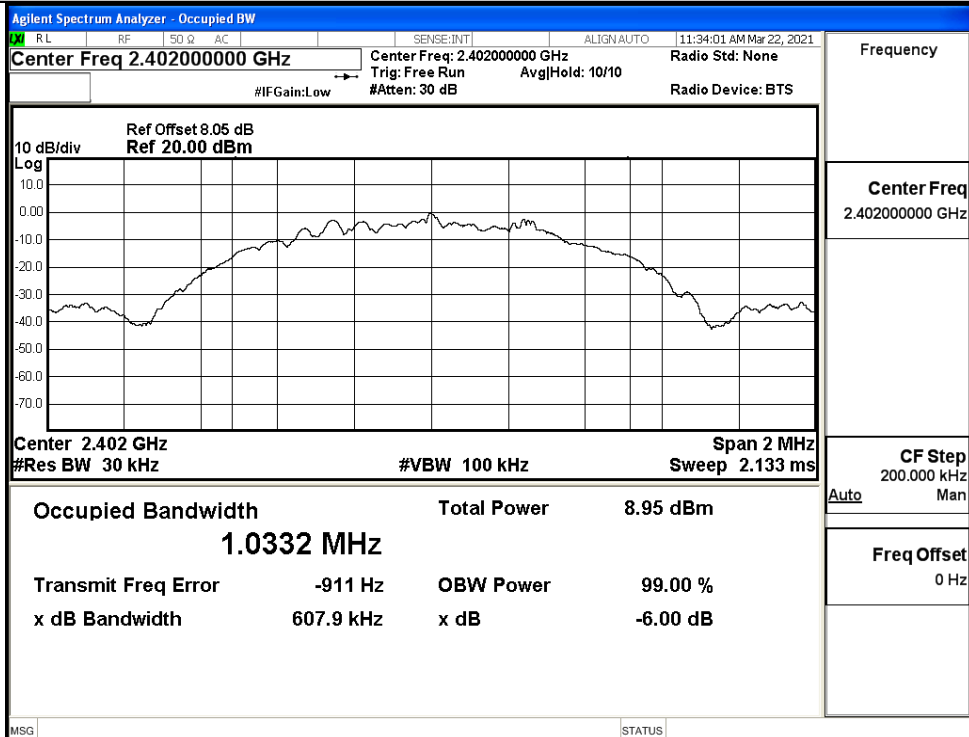


B.5 Occupied Bandwidth

Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.0332	≥ 0.5	PASS
BT LE	MCH	1.0356	≥ 0.5	PASS
BT LE	HCH	1.0337	≥ 0.5	PASS

Test Graphs

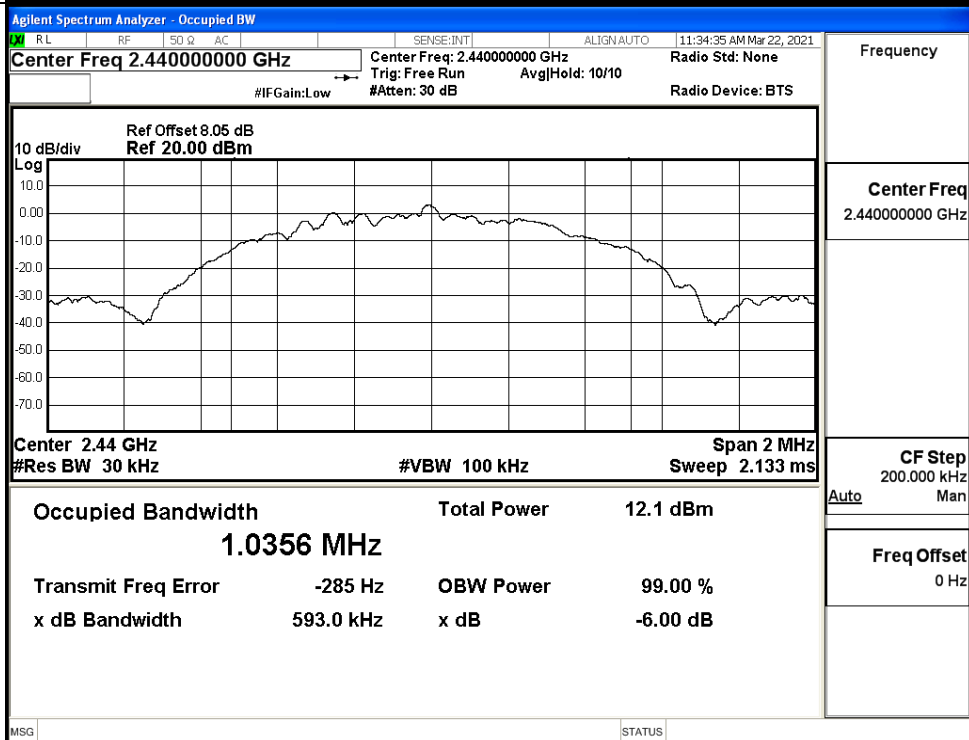
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
200.000 kHz
Auto ManFreq Offset
0 Hz

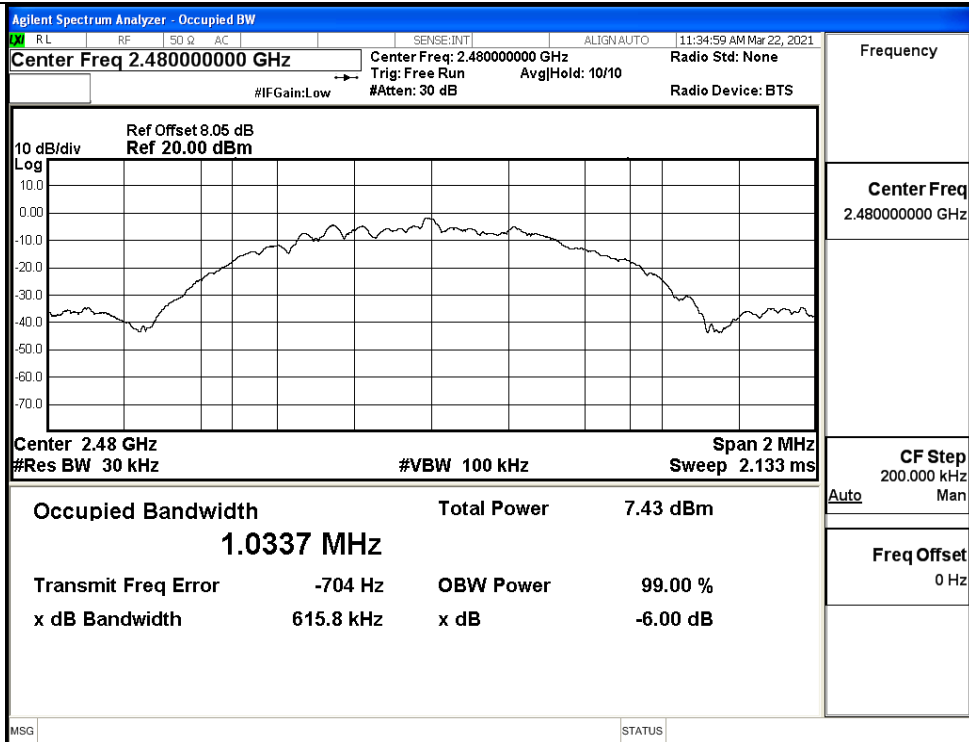
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
200.000 kHz
Auto ManFreq Offset
0 Hz

HCH

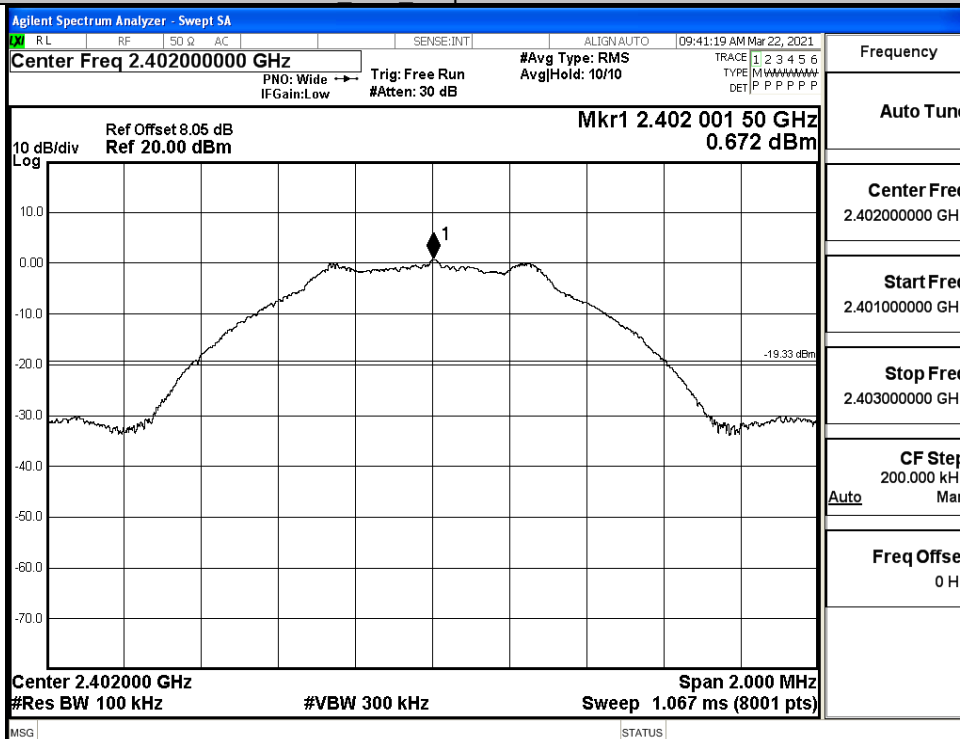


B.6 RF Conducted Spurious Emissions

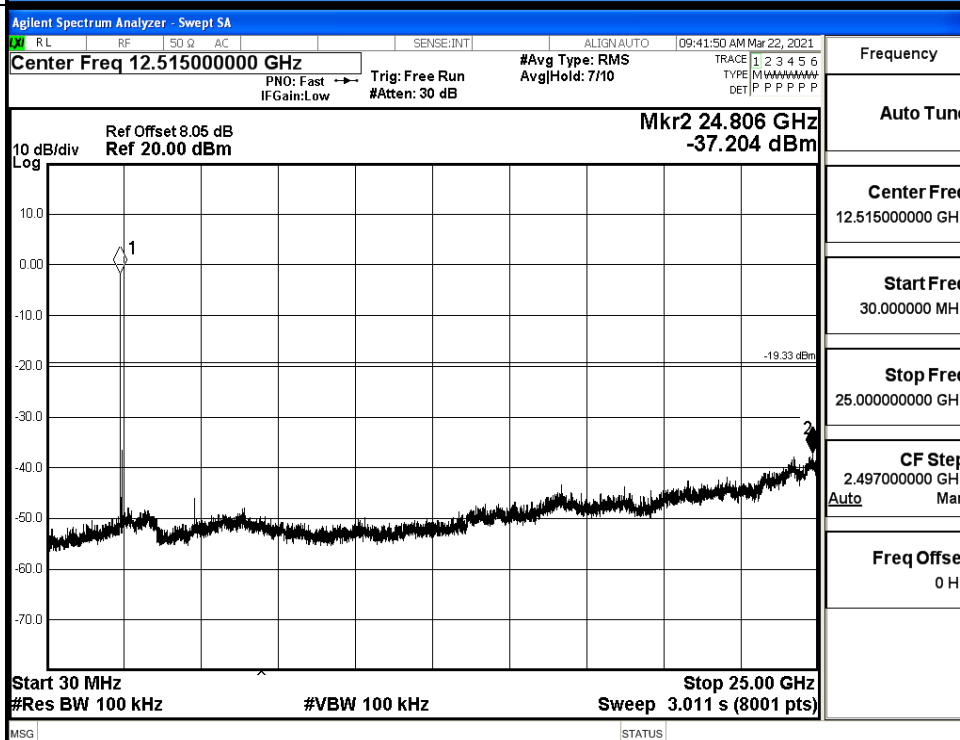
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.672	-37.204	-19.328	PASS
BT LE	MCH	3.885	-36.159	-16.115	PASS
BT LE	HCH	-0.391	-36.314	-20.391	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

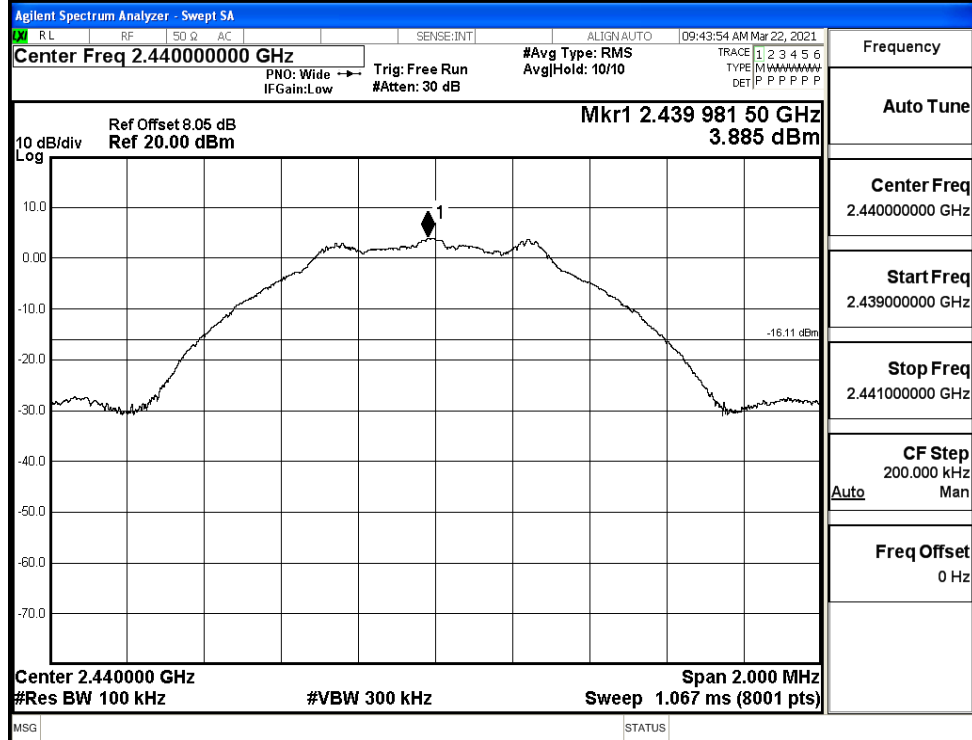


Puw/BT LE/LCH

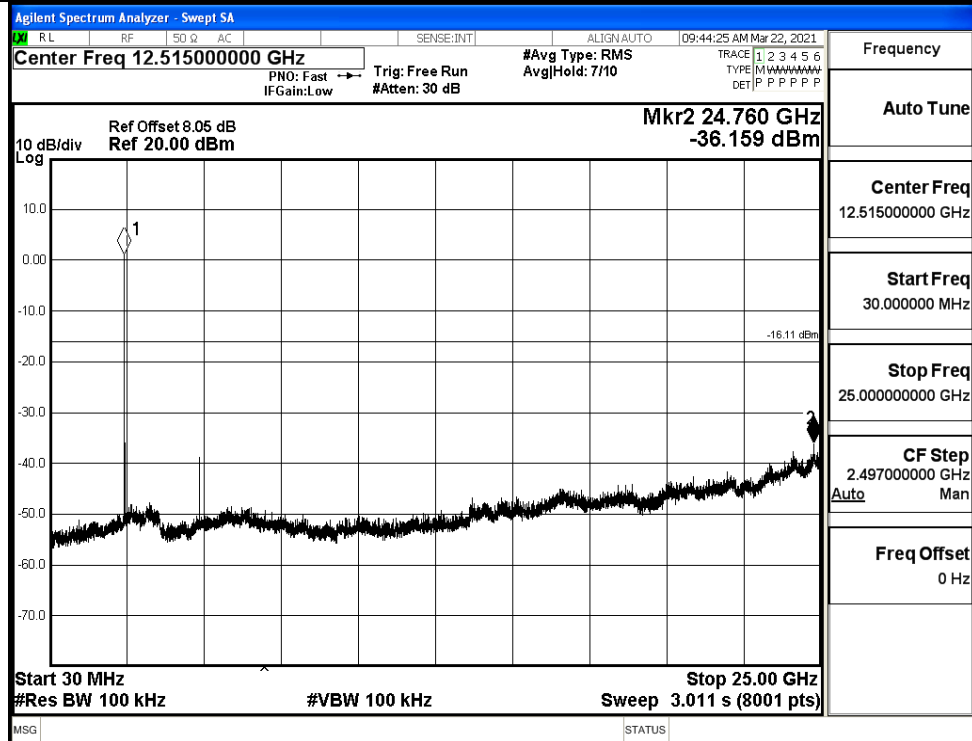


BT LE MCH Graphs

Pref/BT LE/MCH

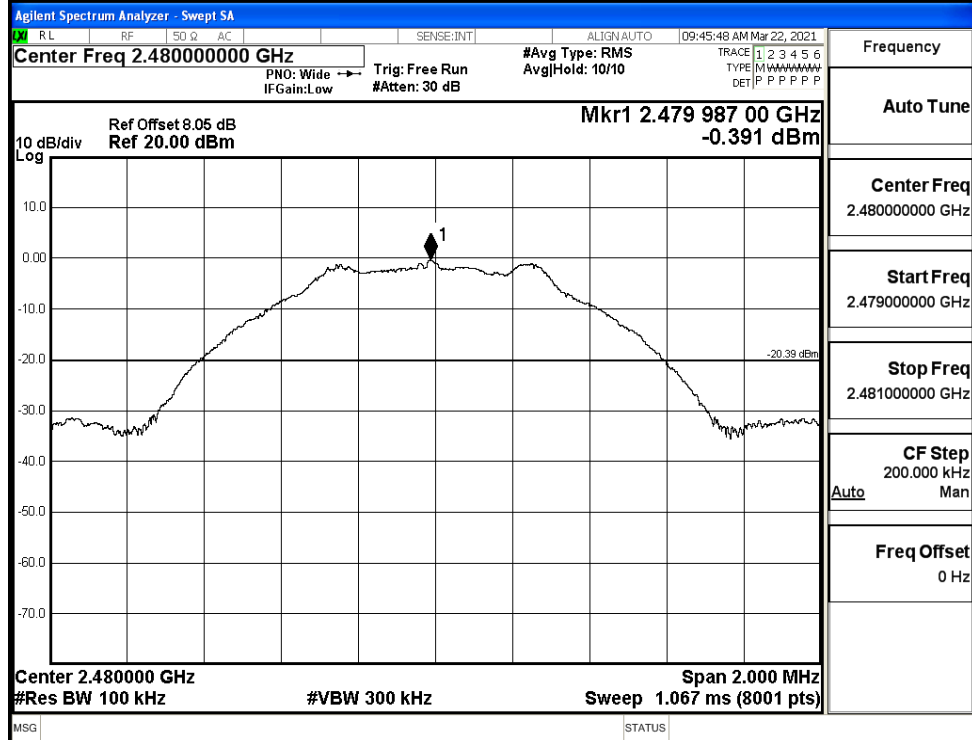


Puw/BT LE/MCH

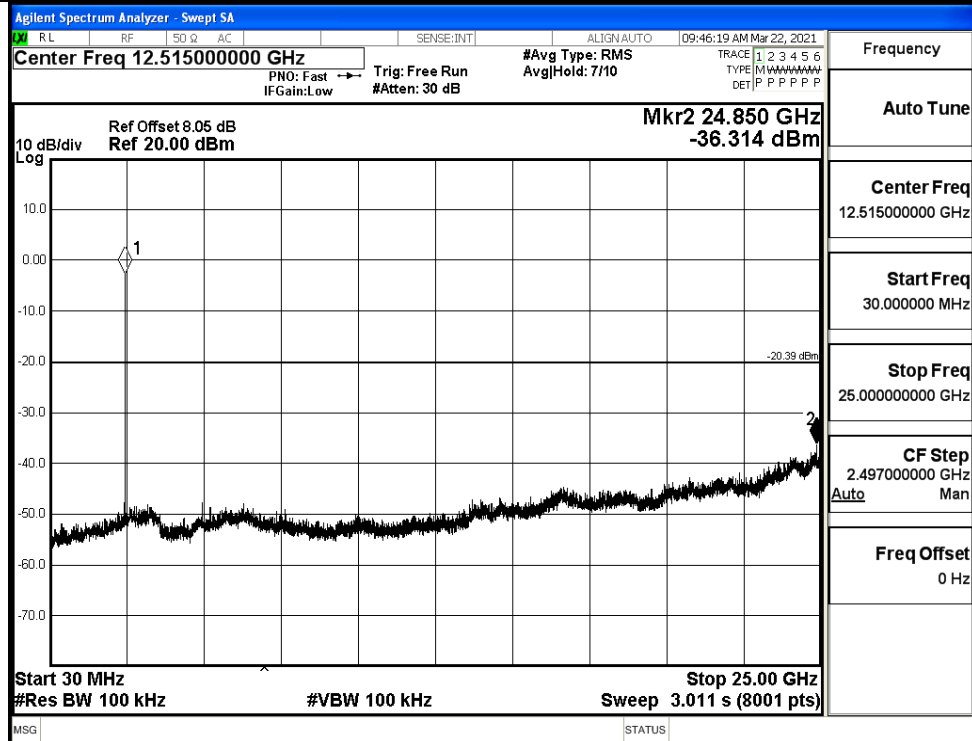


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

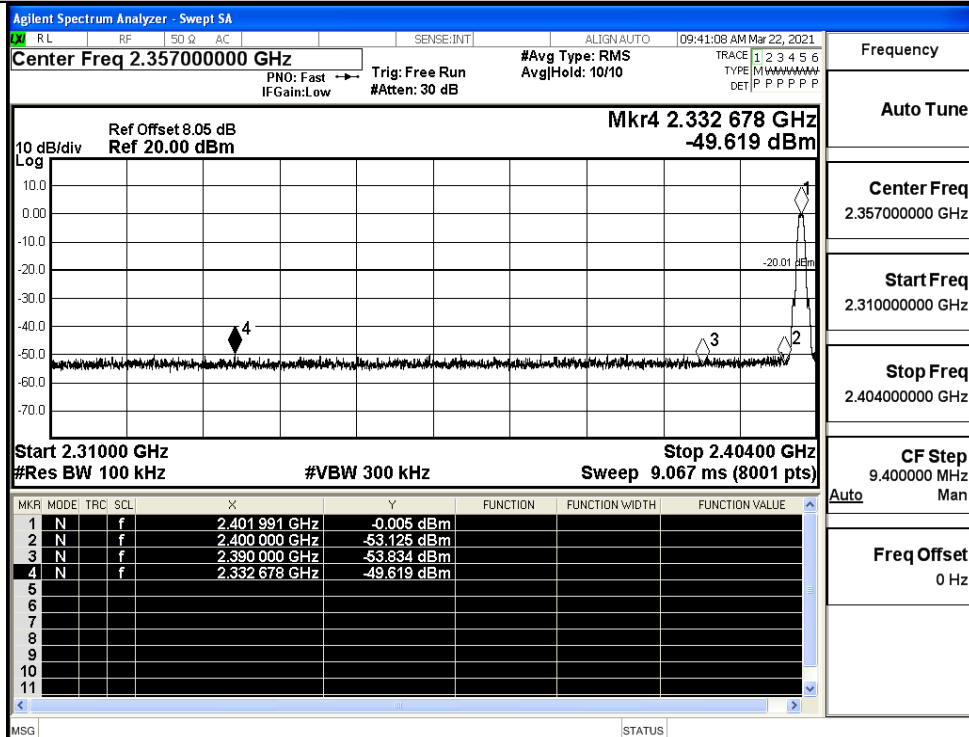


B.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.005	-49.619	-20.01	PASS
BT LE	HCH	-0.113	-48.781	-20.11	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

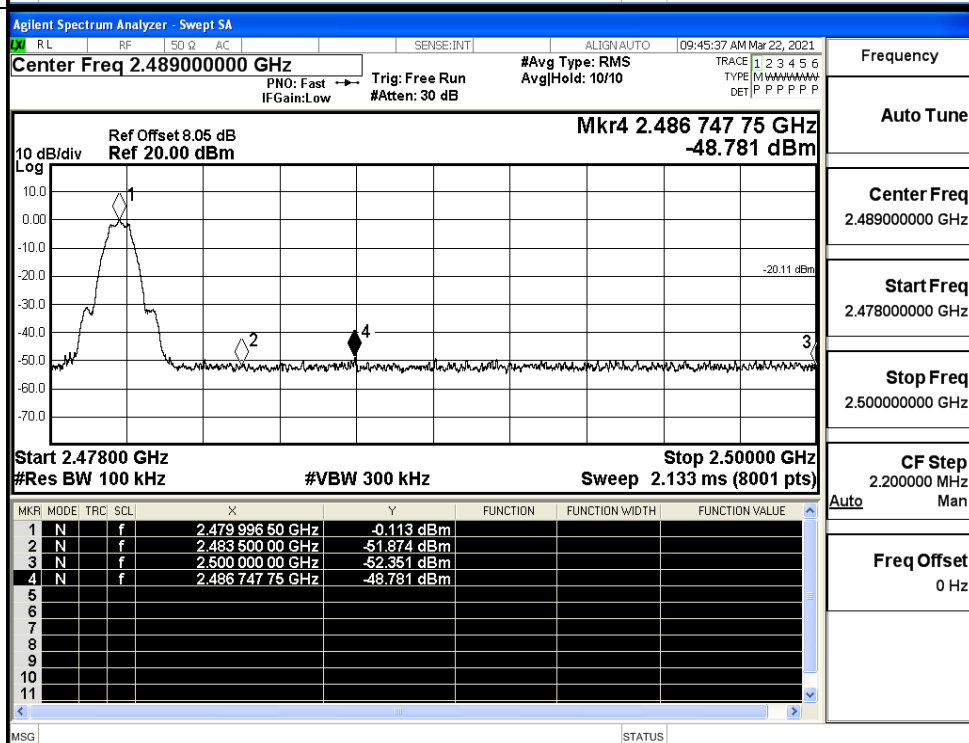
9.400000 MHz

Auto Man

Freq Offset

0 Hz

HCH



Frequency

Auto Tune

Center Freq

2.489000000 GHz

Start Freq

2.478000000 GHz

Stop Freq

2.500000000 GHz

CF Step

2.200000 MHz

Auto Man

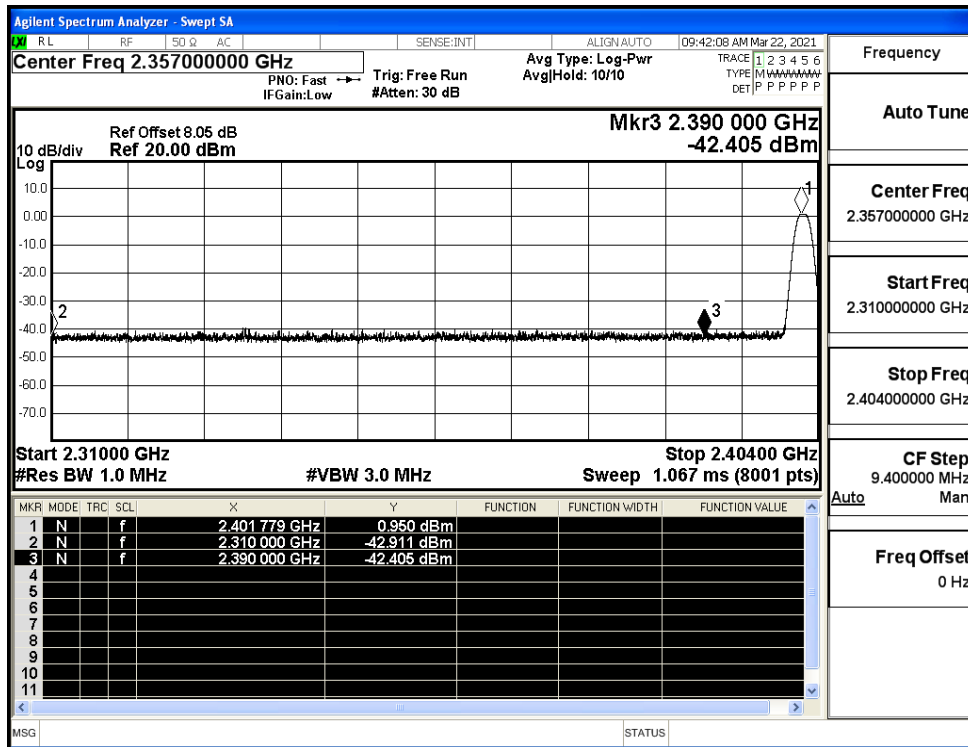
Freq Offset

0 Hz

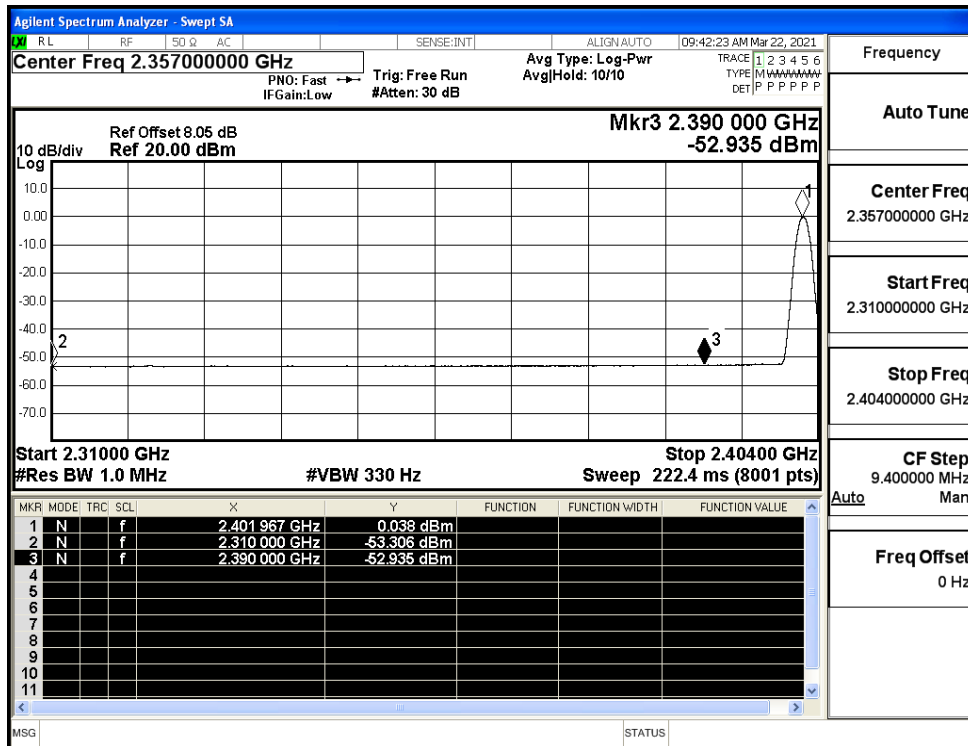
B.8 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-42.91	2.0	0	54.35	PEAK	74	PASS
		Ant1	2310.0	-53.31	2.0	0	43.95	AV	54	PASS
		Ant1	2390.0	-42.41	2.0	0	54.85	PEAK	74	PASS
		Ant1	2390.0	-52.94	2.0	0	44.32	AV	54	PASS
	2480	Ant1	2483.5	-41.95	2.0	0	55.31	PEAK	74	PASS
		Ant1	2483.5	-52.36	2.0	0	44.90	AV	54	PASS
		Ant1	2500.0	-39.85	2.0	0	57.40	PEAK	74	PASS
		Ant1	2500.0	-52.26	2.0	0	45.00	AV	54	PASS

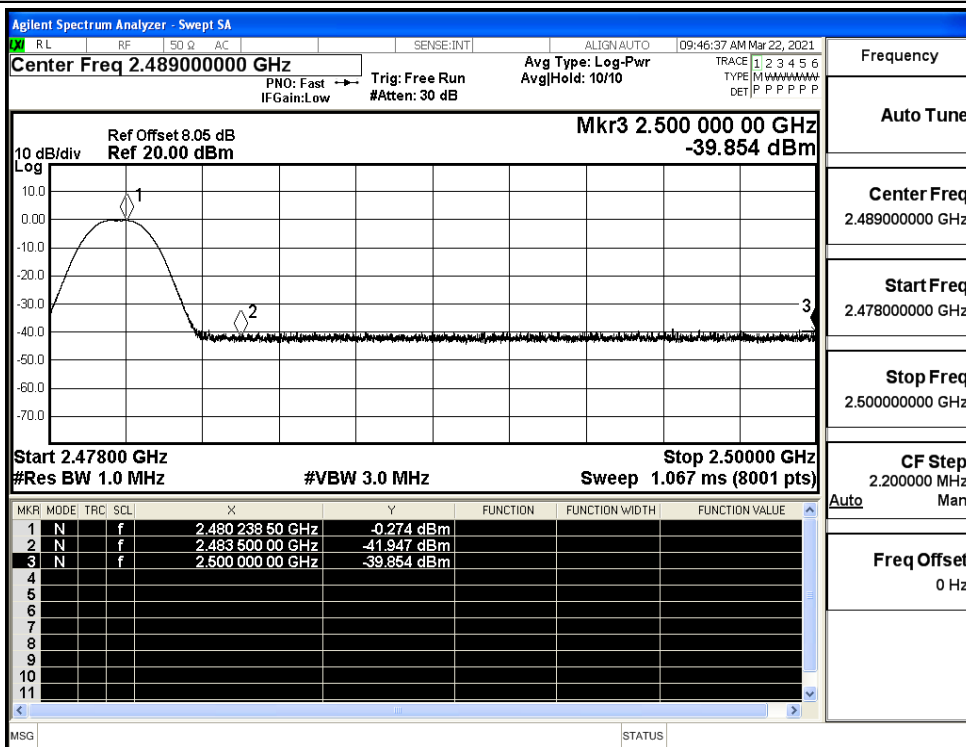
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

