

Appendix A

RF Test Data for BT V4.1 (Conducted Measurement)

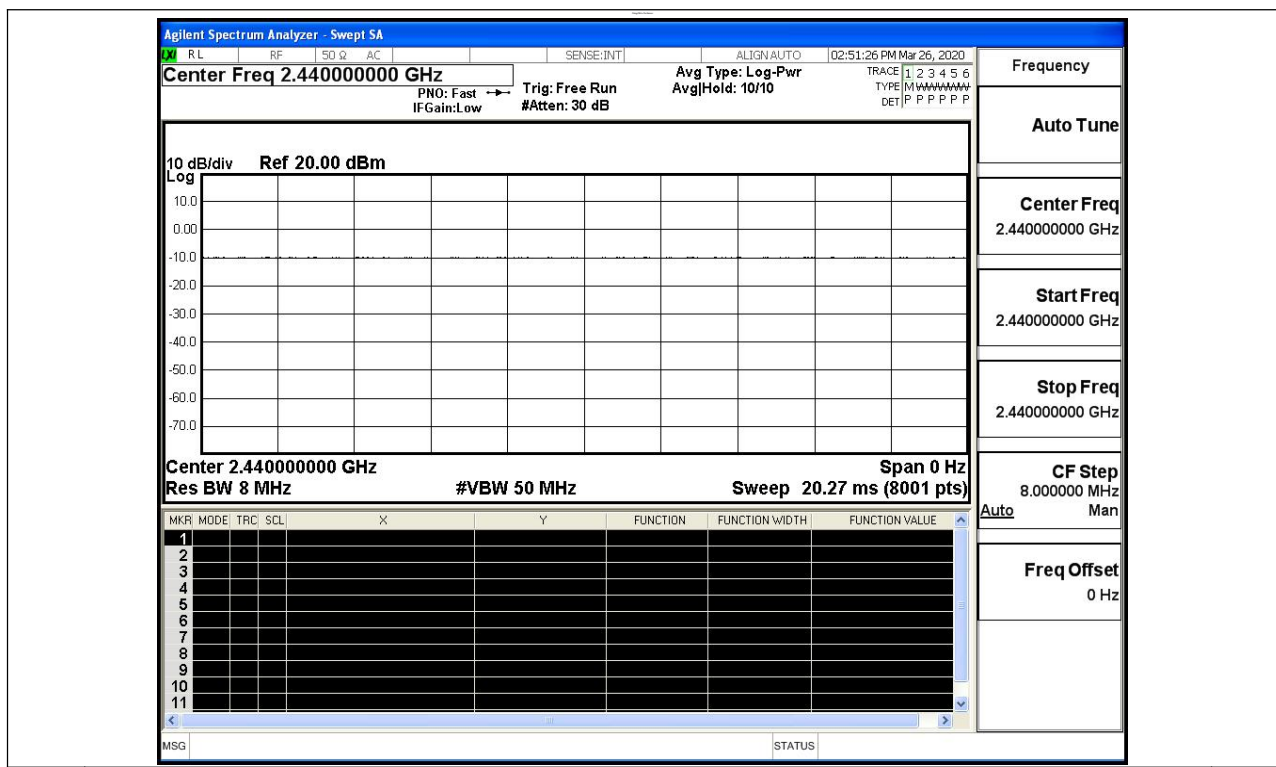
Product Name:kMeter II
Trade Mark: Exxentric AB
Test Model: kMeter II

Environmental Conditions

Temperature:	23.3 ° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	SCOUT WU
Supervised by:	Tom.Liu

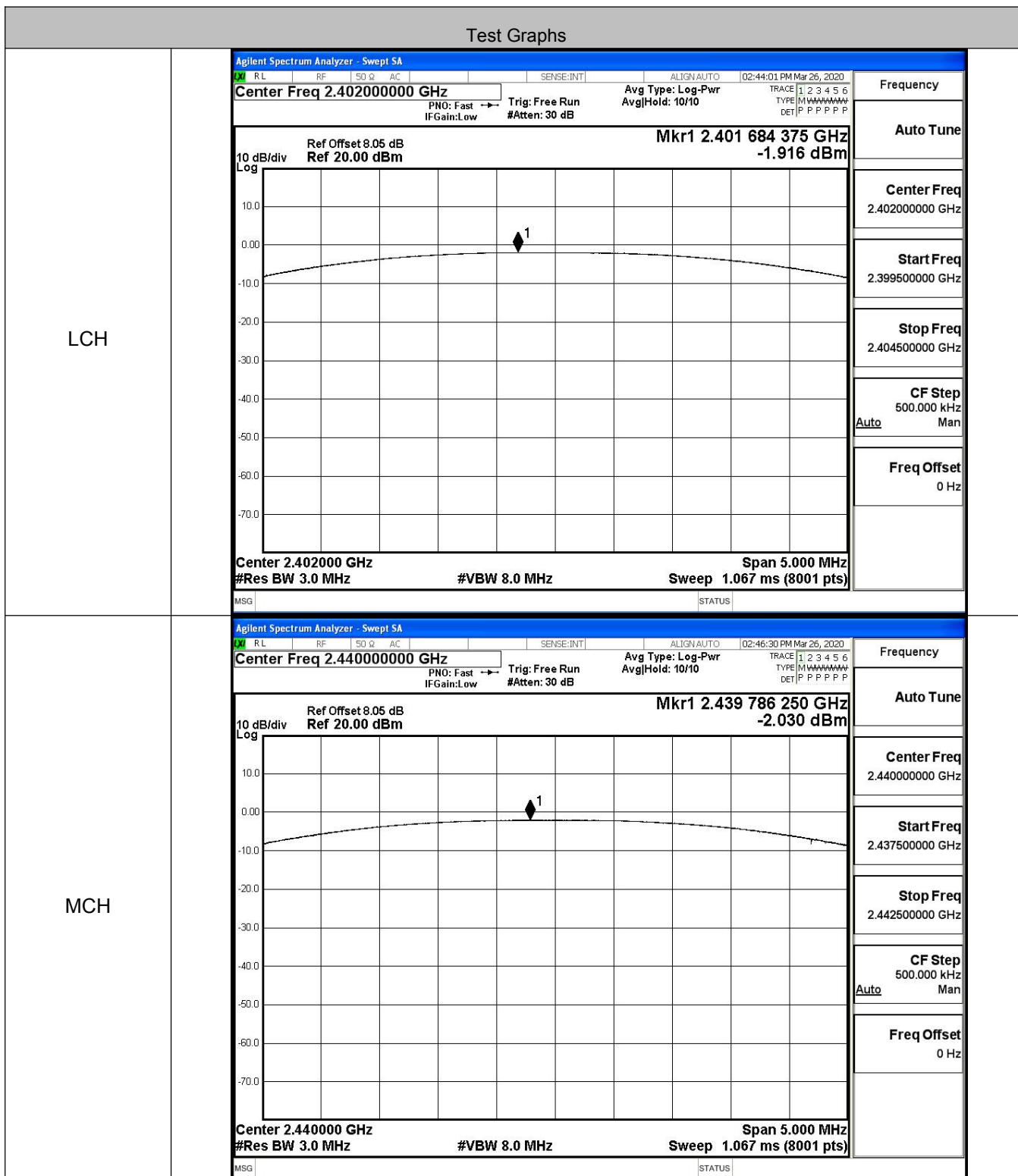
A.1 Duty Cycle

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

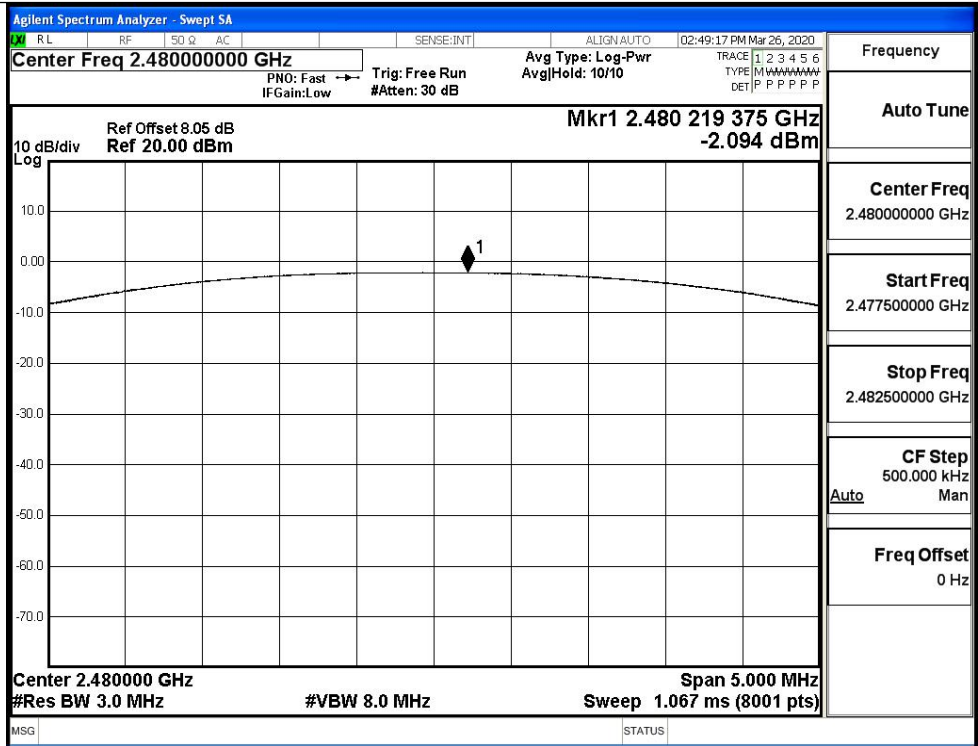


A.2 Maximum Conducted Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.916	30	PASS
BT LE	MCH	-2.03	30	PASS
BT LE	HCH	-2.094	30	PASS



HCH

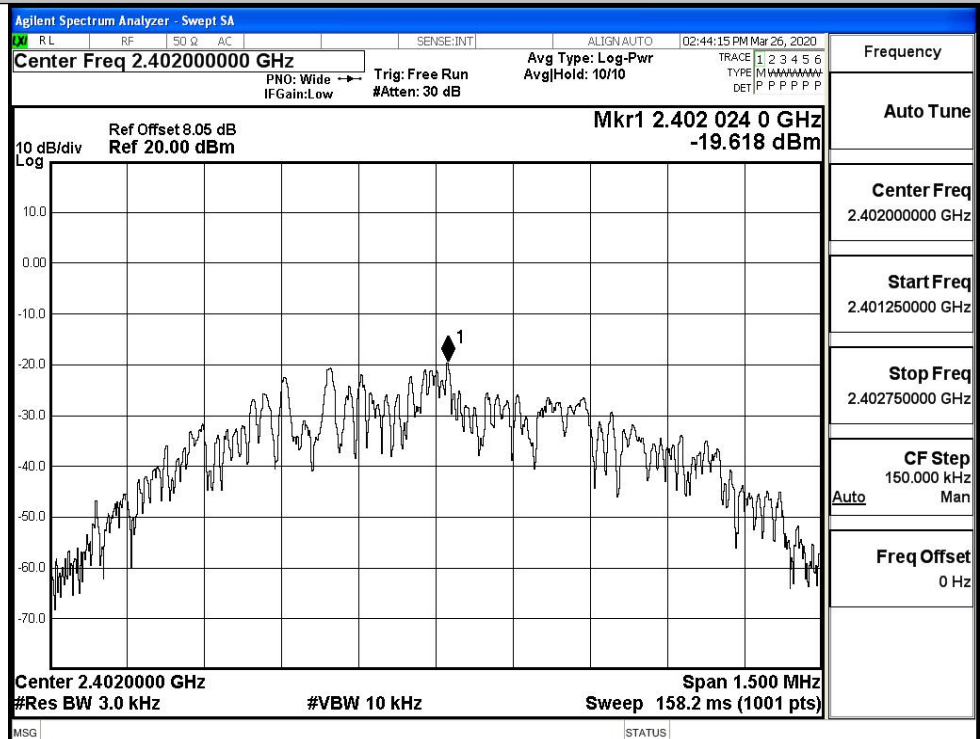


A.3 Maximum Power Spectral Density

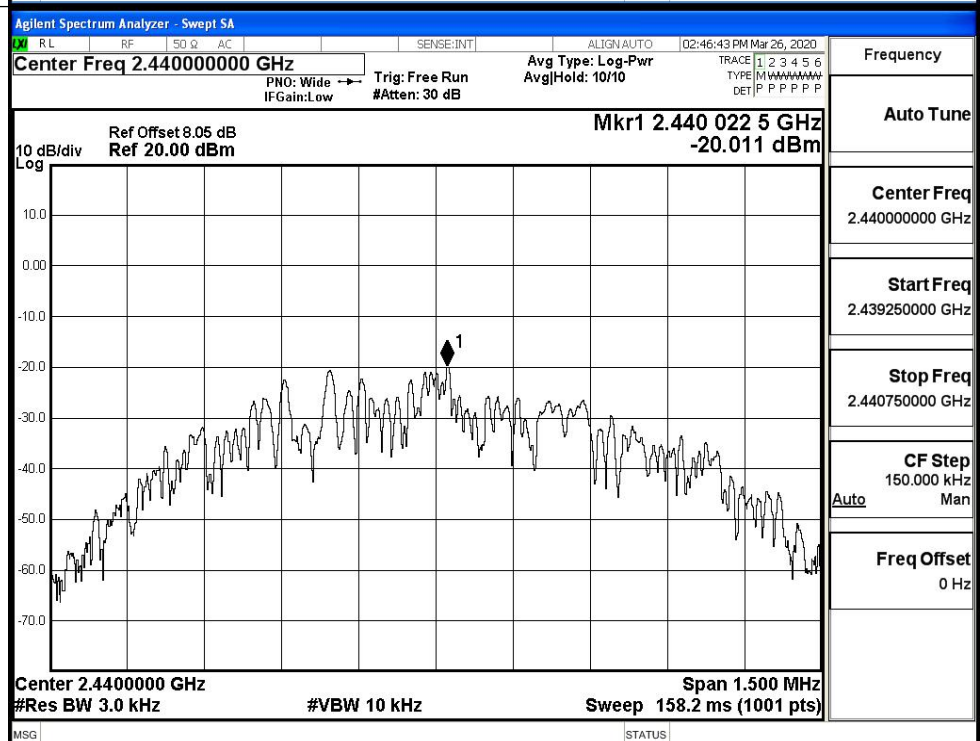
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.618	8	PASS
BT LE	MCH	-20.011	8	PASS
BT LE	HCH	-19.985	8	PASS

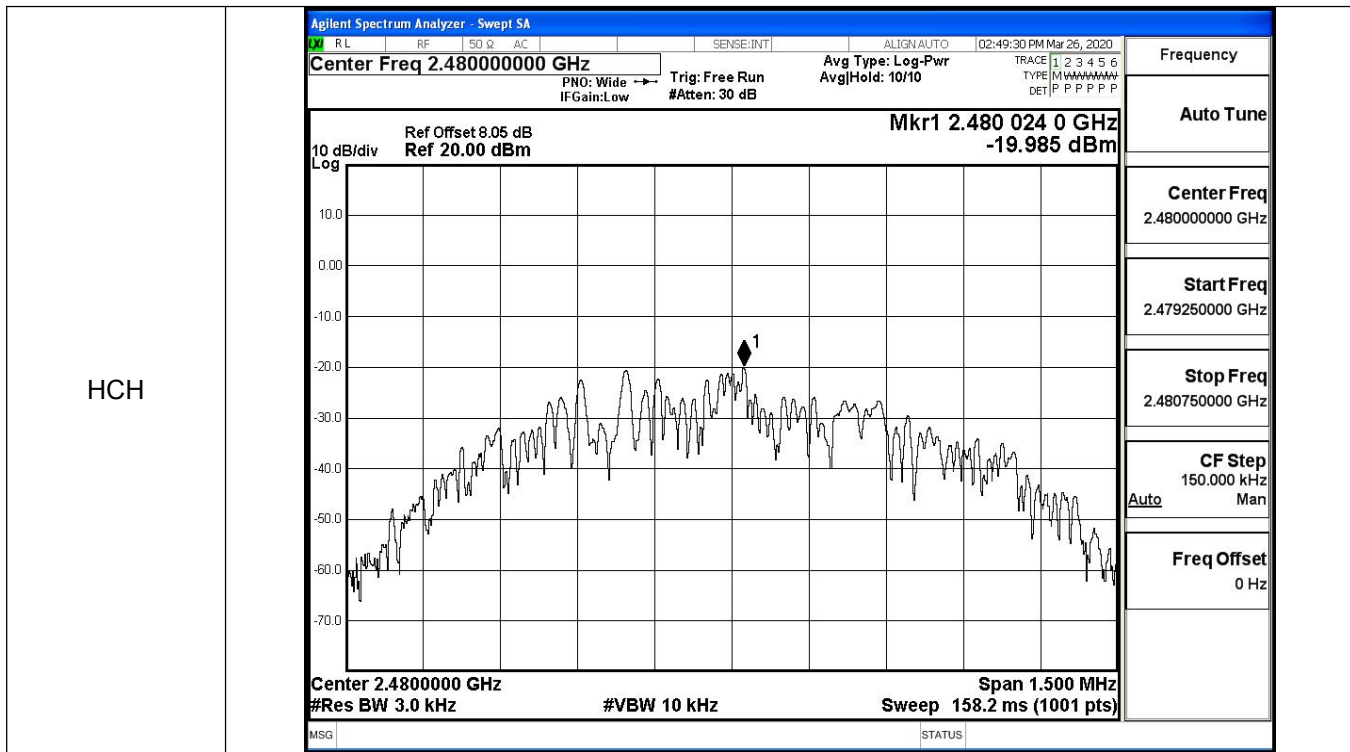
Test Graphs

LCH



MCH



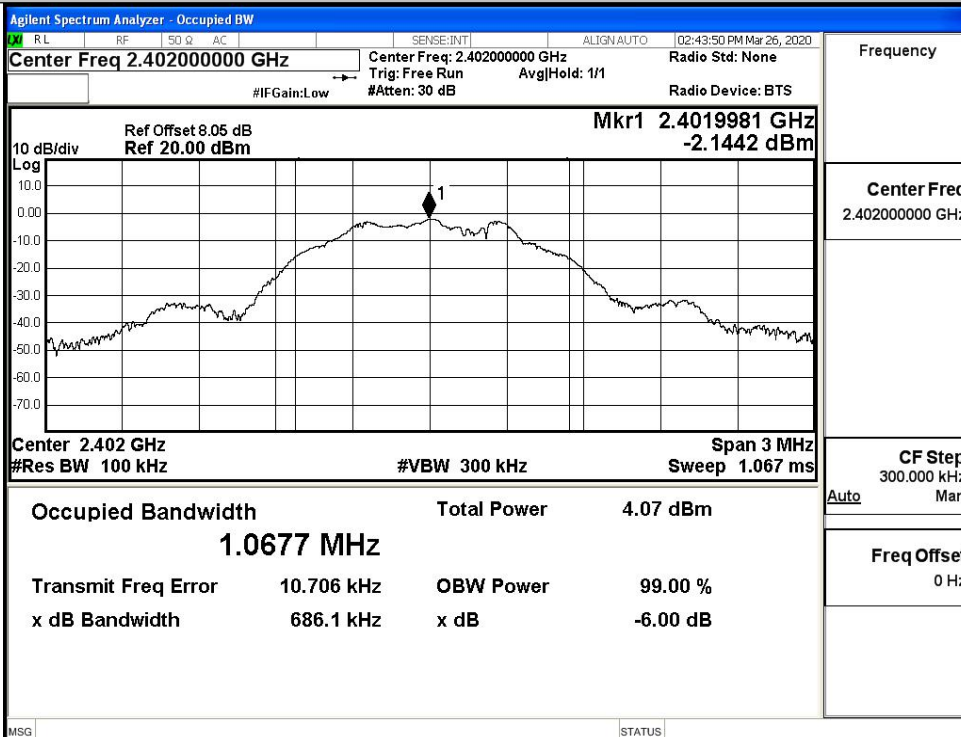


A.4 6dB Bandwidth

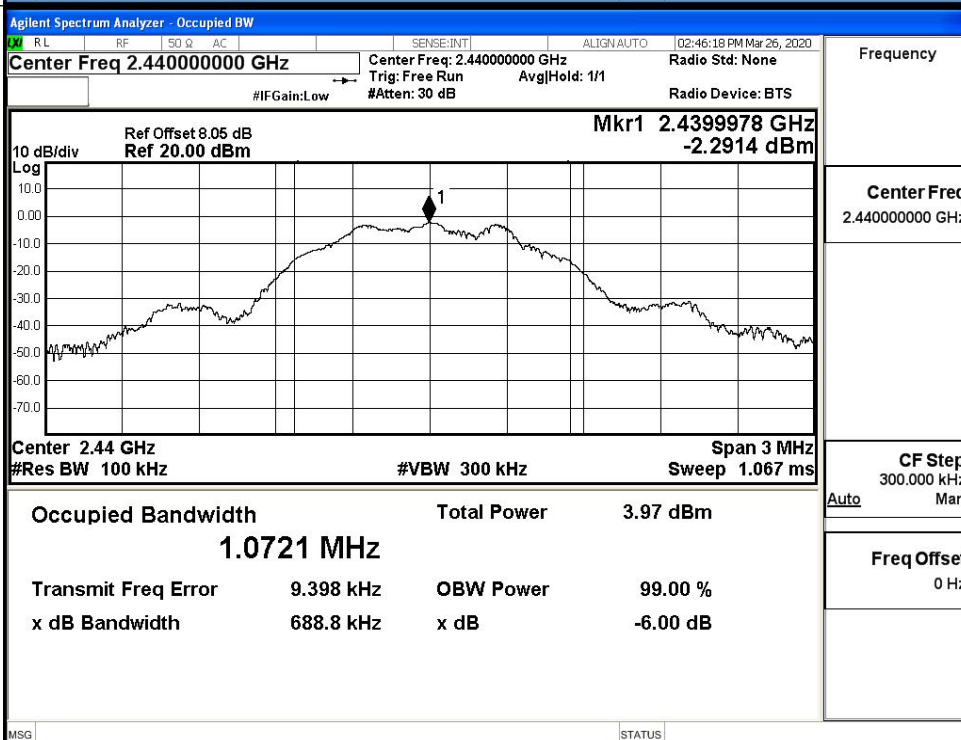
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6861	≥ 0.5	PASS
BT LE	MCH	0.6888	≥ 0.5	PASS
BT LE	HCH	0.6896	≥ 0.5	PASS

Test Graphs

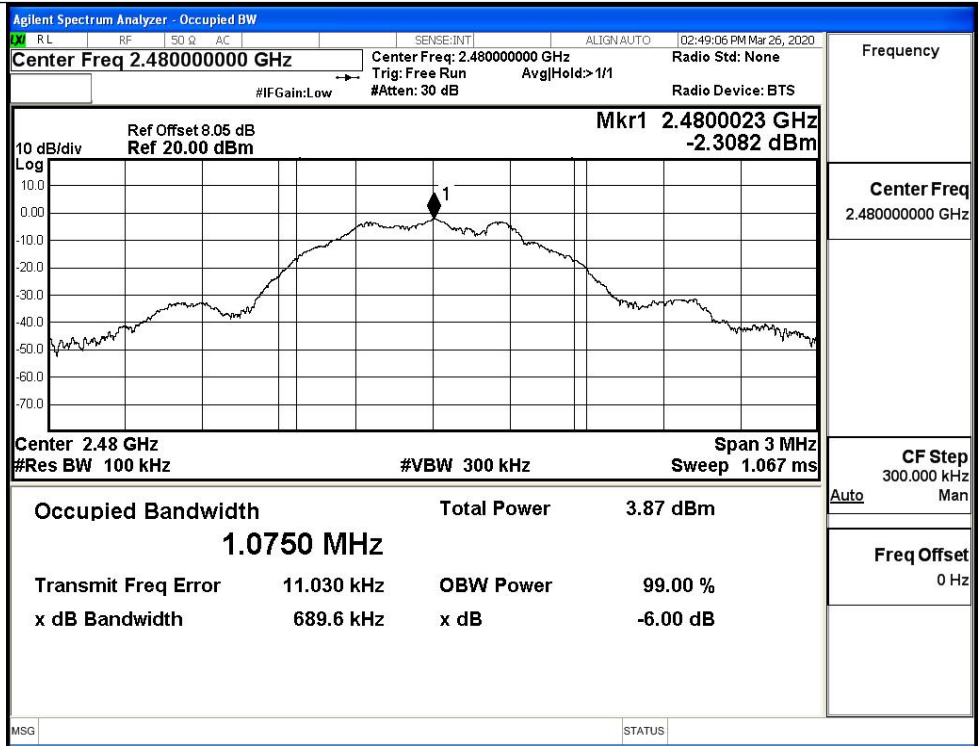
LCH



MCH



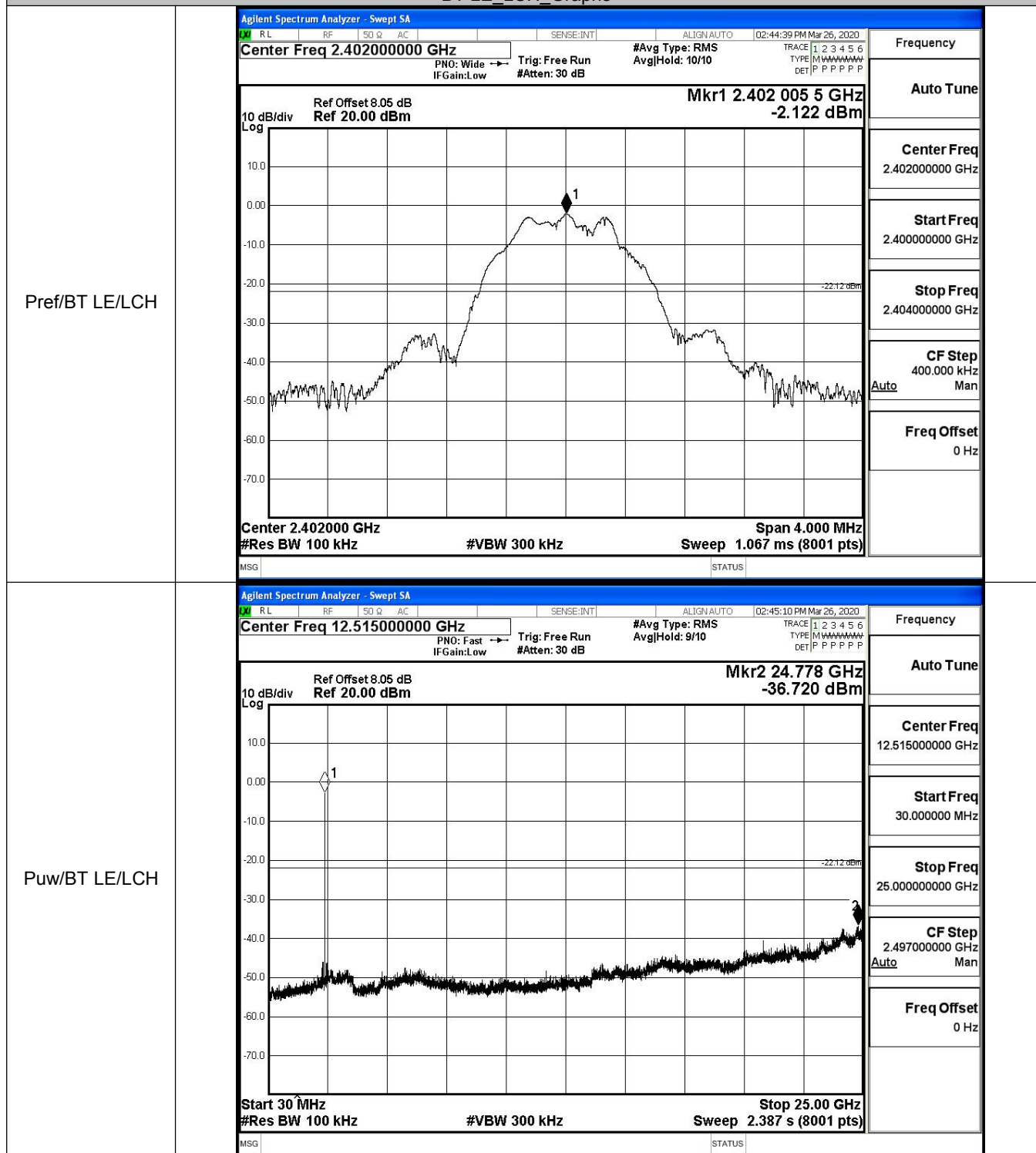
HCH

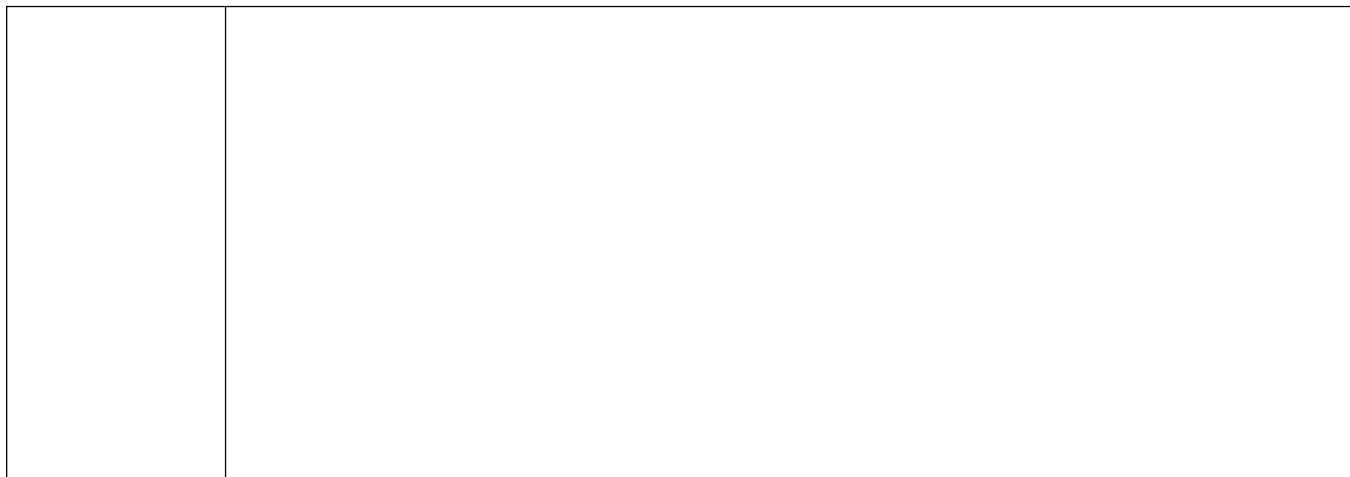


A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.122	-36.720	-22.122	PASS
BT LE	MCH	-2.217	-35.974	-22.217	PASS
BT LE	HCH	-2.298	-37.393	-22.298	PASS

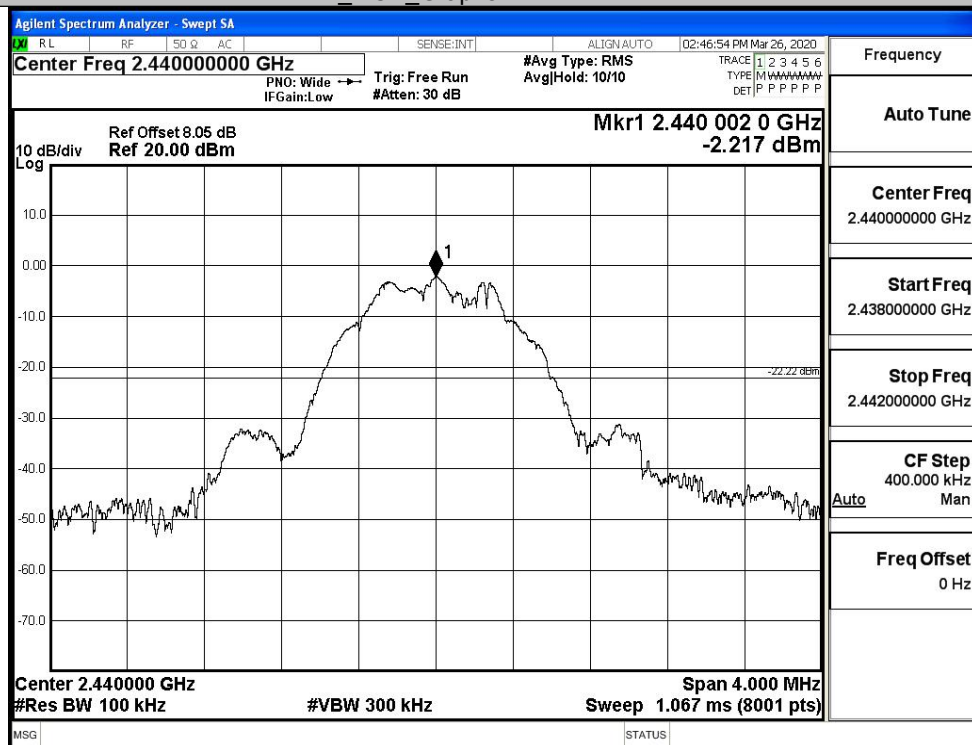
BT LE_LCH_Graphs



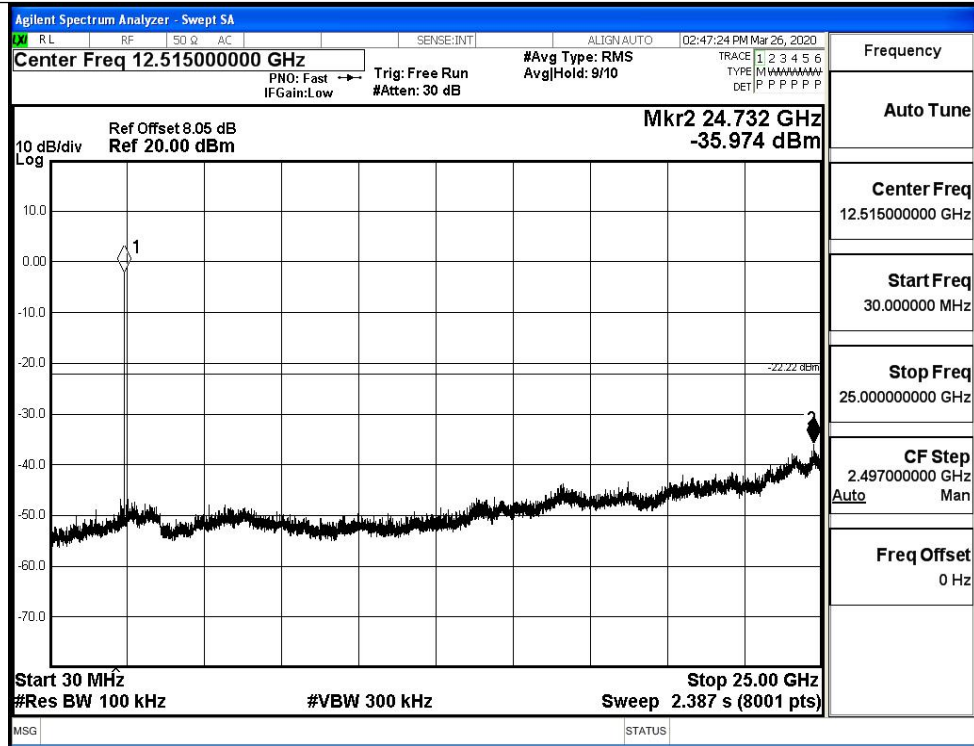


BT LE_MCH_Graphs

Pref/BT LE/MCH

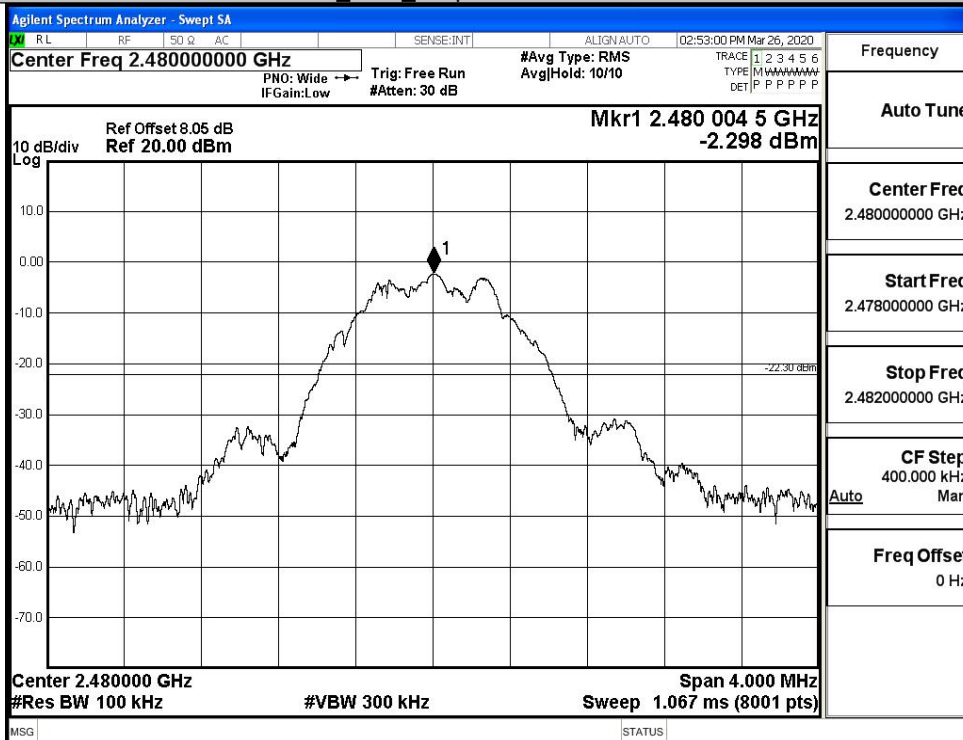


Puw/BT LE/MCH

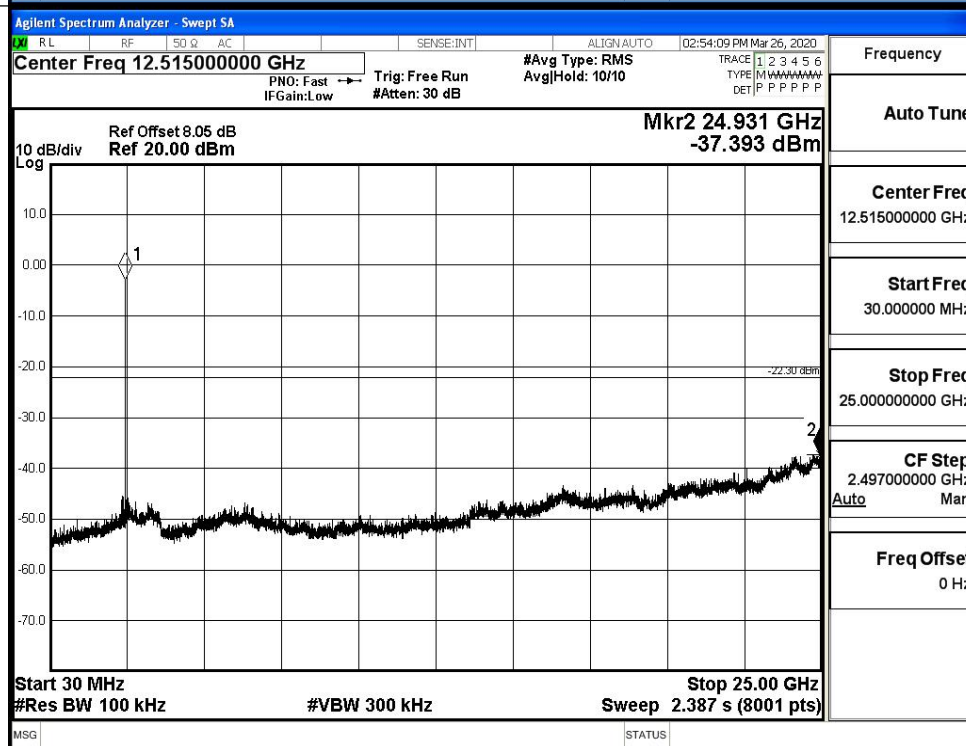


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

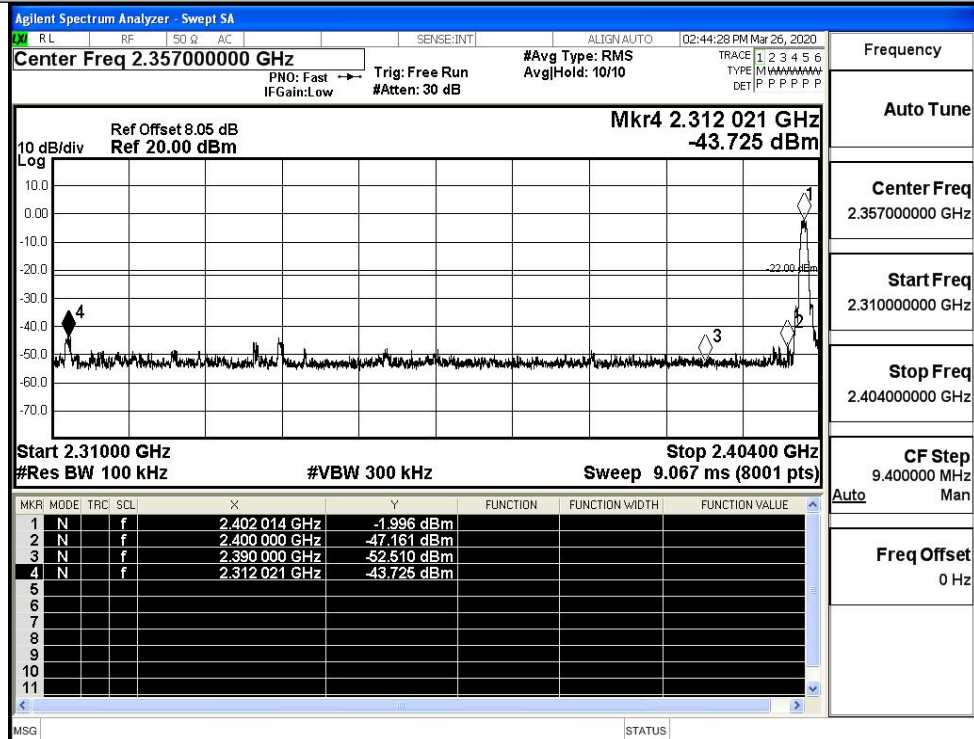


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.996	-43.725	-22	PASS
BT LE	HCH	-2.129	-48.925	-22.13	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

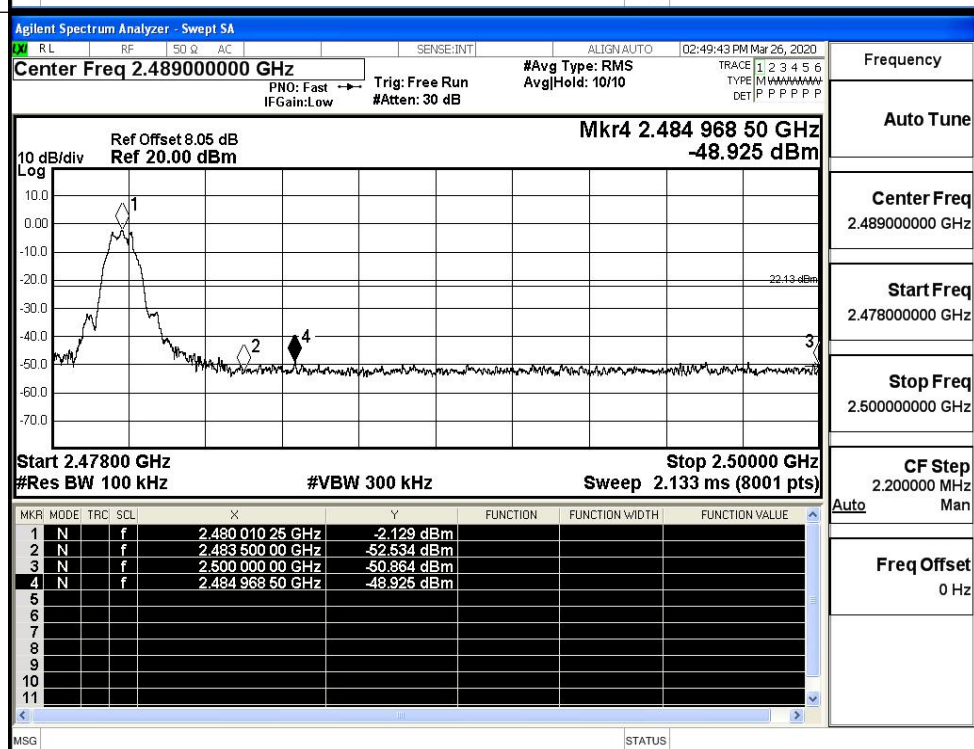
9.400000 MHz

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

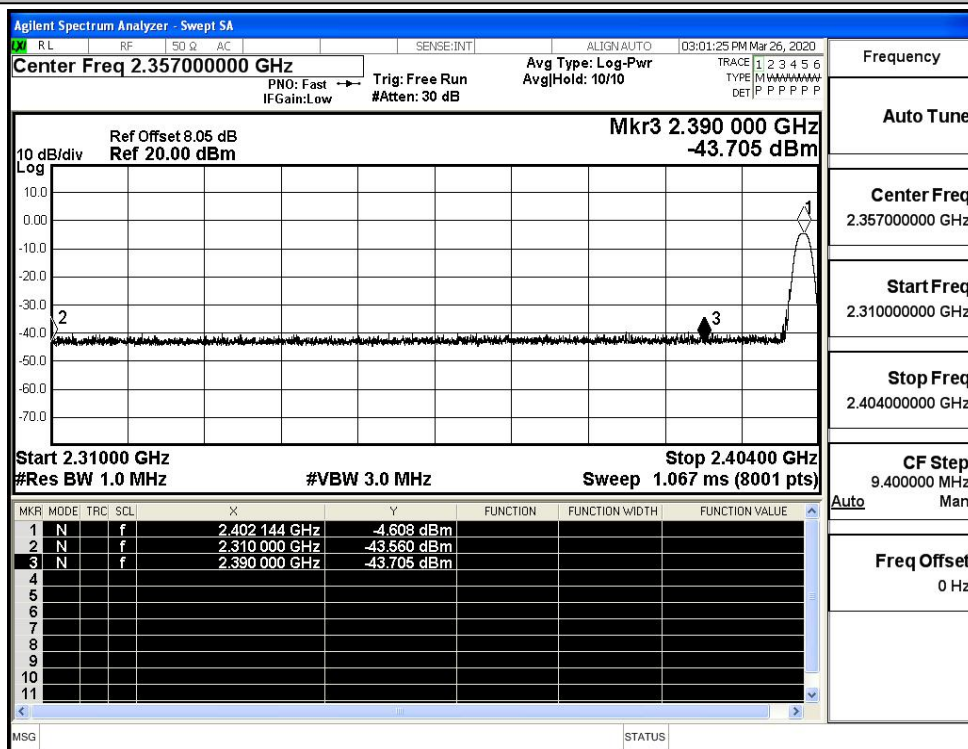
Freq Offset

0 Hz

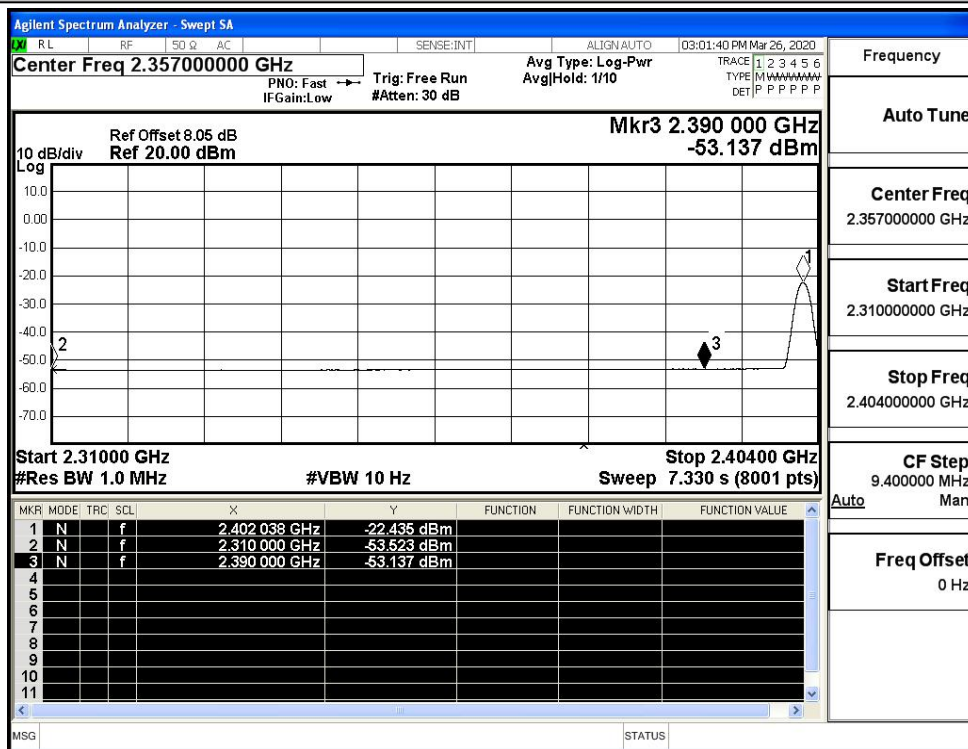
A.7 Restrict-band band-edge measurements

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	-43.56	2.0	0	53.67	PEAK	74	PASS
		Ant1	2310.0	-53.52	2.0	0	43.71	AV	54	PASS
		Ant1	2390.0	-43.71	2.0	0	53.52	PEAK	74	PASS
		Ant1	2390.0	-53.14	2.0	0	44.09	AV	54	PASS
	2480	Ant1	2483.5	-43.40	2.0	0	53.83	PEAK	74	PASS
		Ant1	2483.5	-52.70	2.0	0	44.53	AV	54	PASS
		Ant1	2500.0	-41.74	2.0	0	55.49	PEAK	74	PASS
		Ant1	2500.0	-52.52	2.0	0	44.71	AV	54	PASS

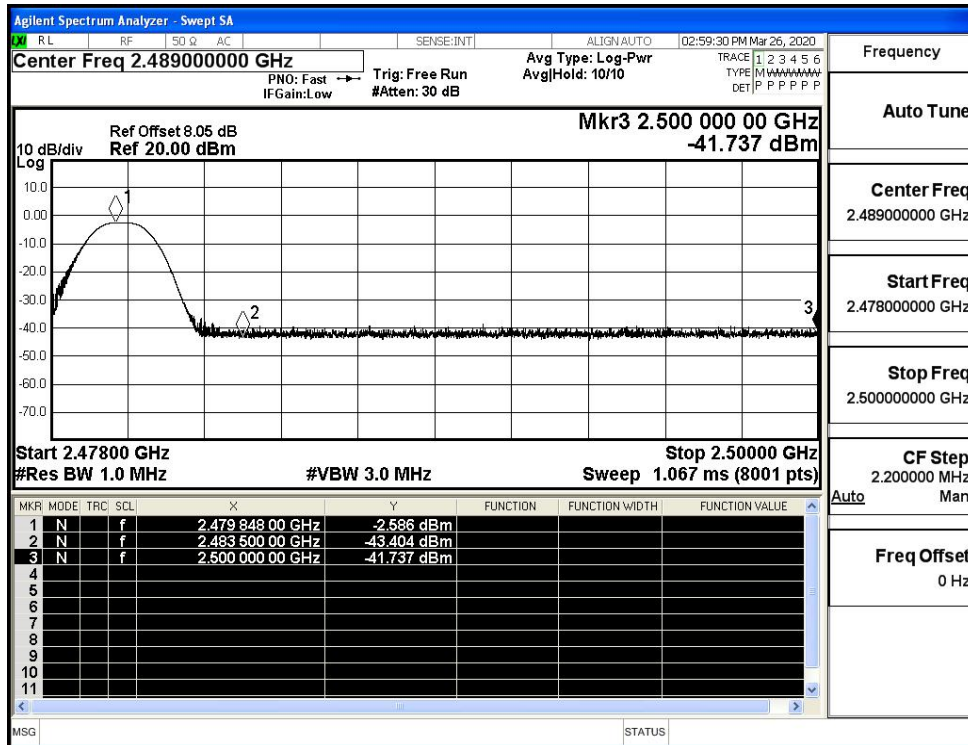
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

