

Appendix B

RF Test Data for BT V4.2(LE) (Conducted Measurement)

Product Name: NEXS1 Single channel Camera

Trade Mark: SCOSCHE

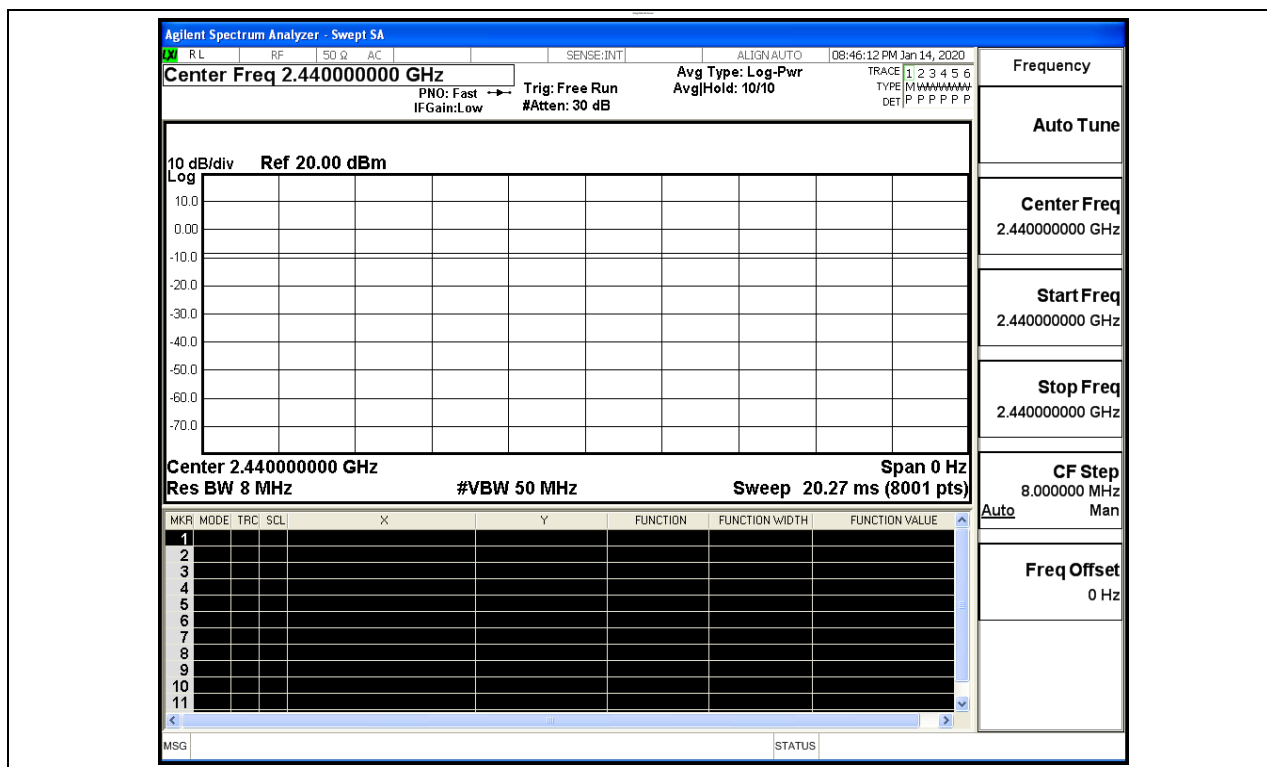
Test Model: NEXS1

Environmental Conditions

Temperature:	22.9 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Tom.Liu

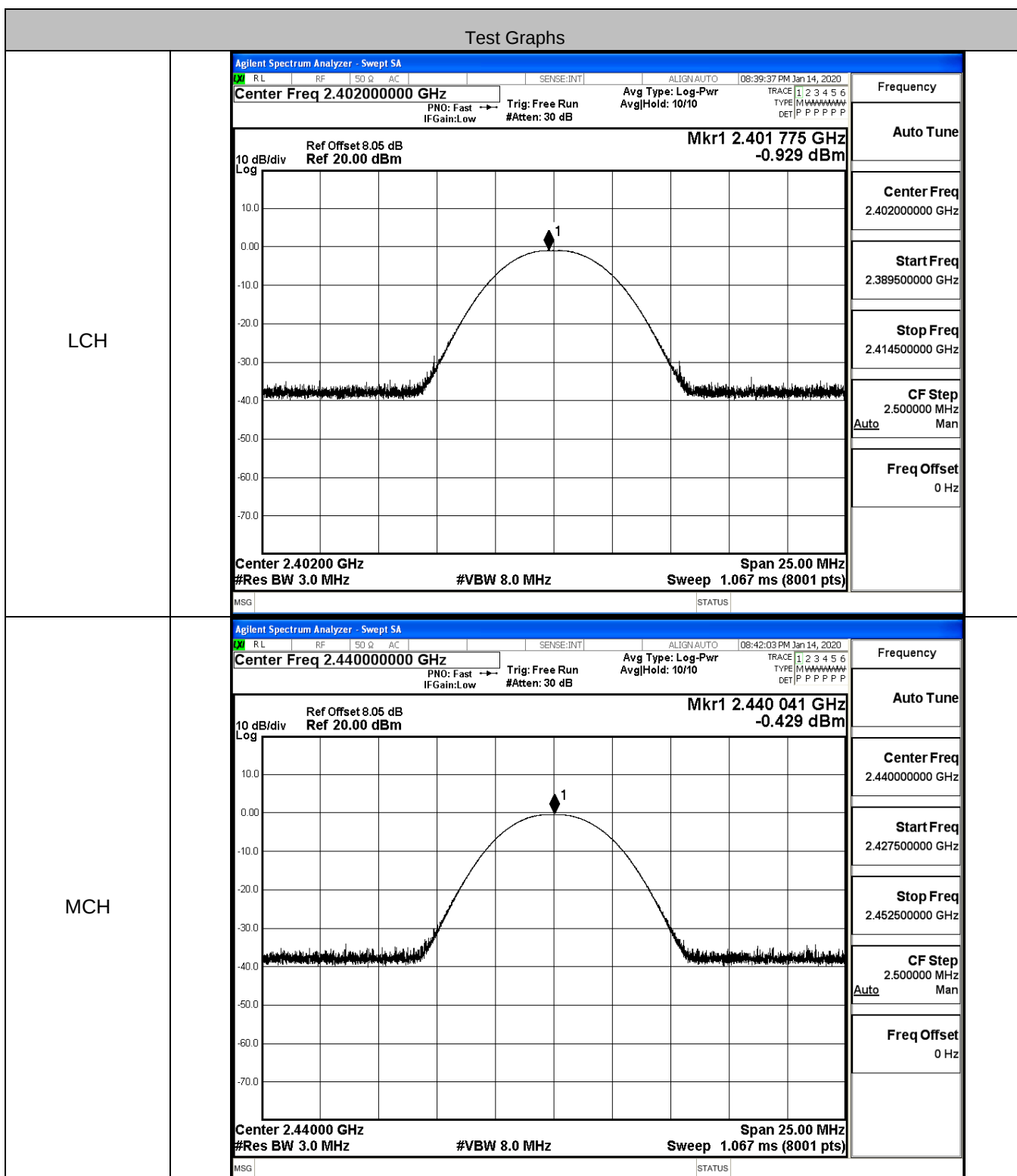
B.1 Duty Cycle

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

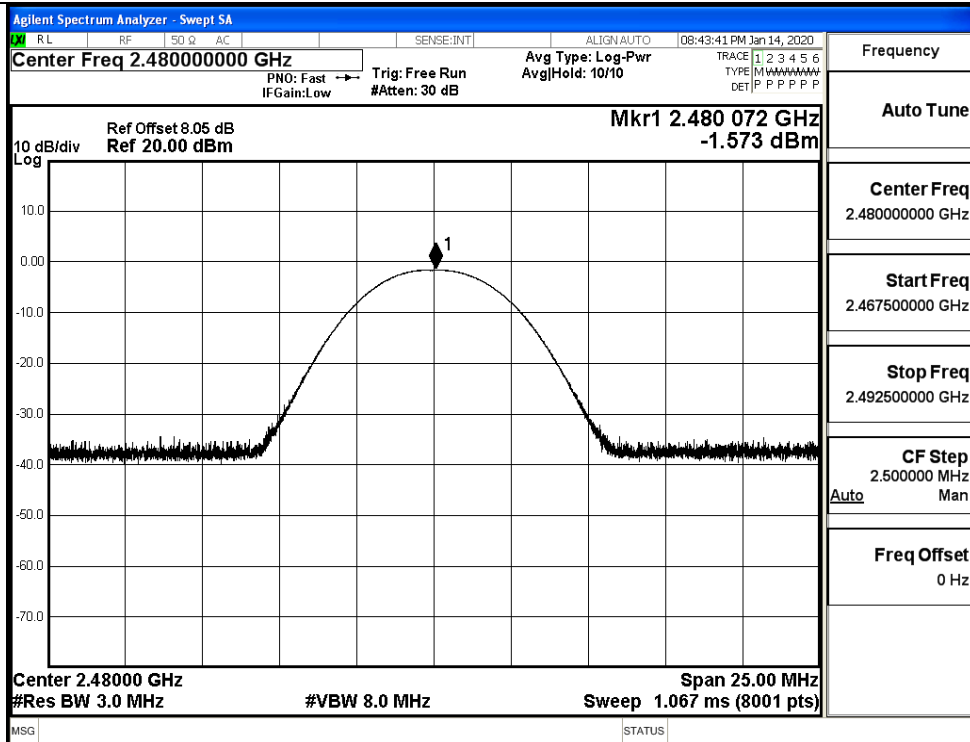


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.929	30	PASS
BT LE	MCH	-0.429	30	PASS
BT LE	HCH	-1.573	30	PASS



HCH

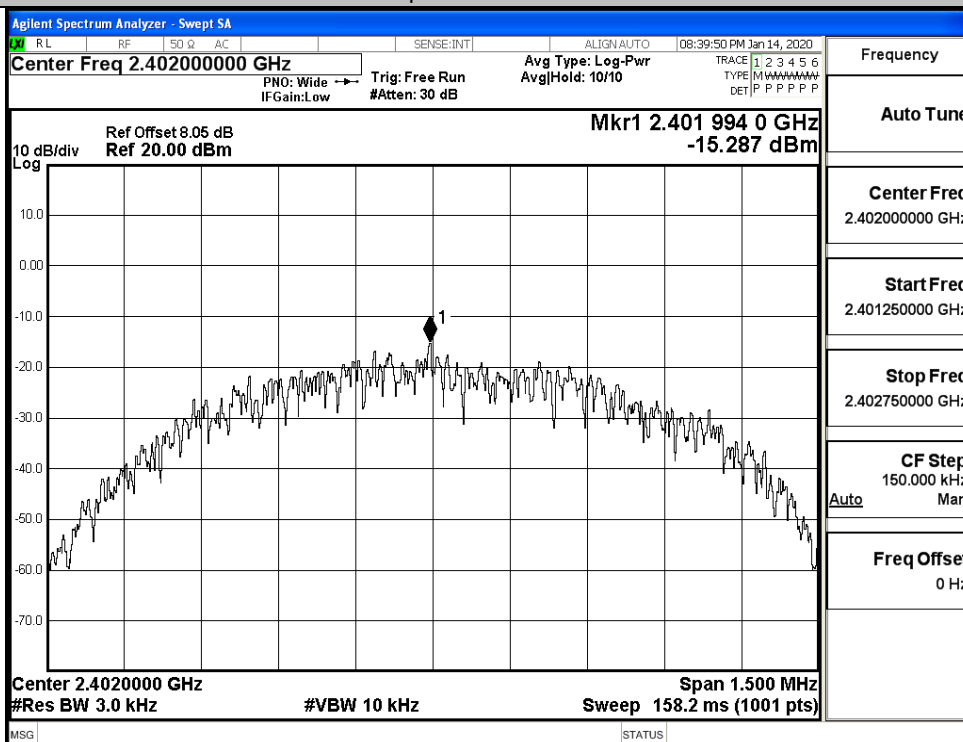


B.3 Maximum Power Spectral Density

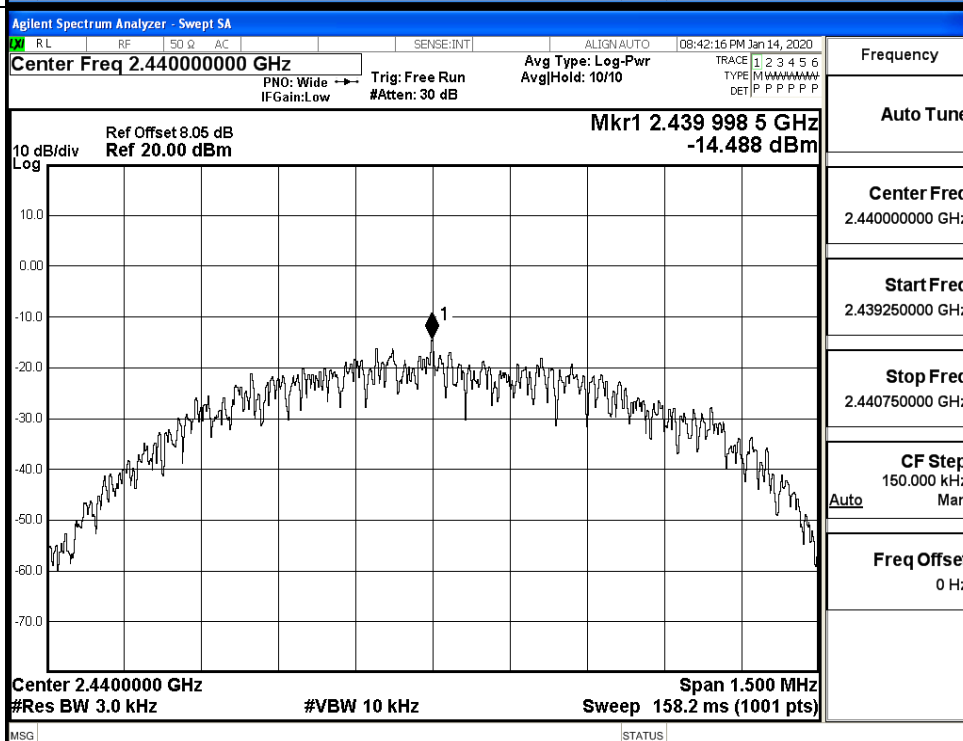
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.287	8	PASS
BT LE	MCH	-14.488	8	PASS
BT LE	HCH	-16.557	8	PASS

Test Graphs

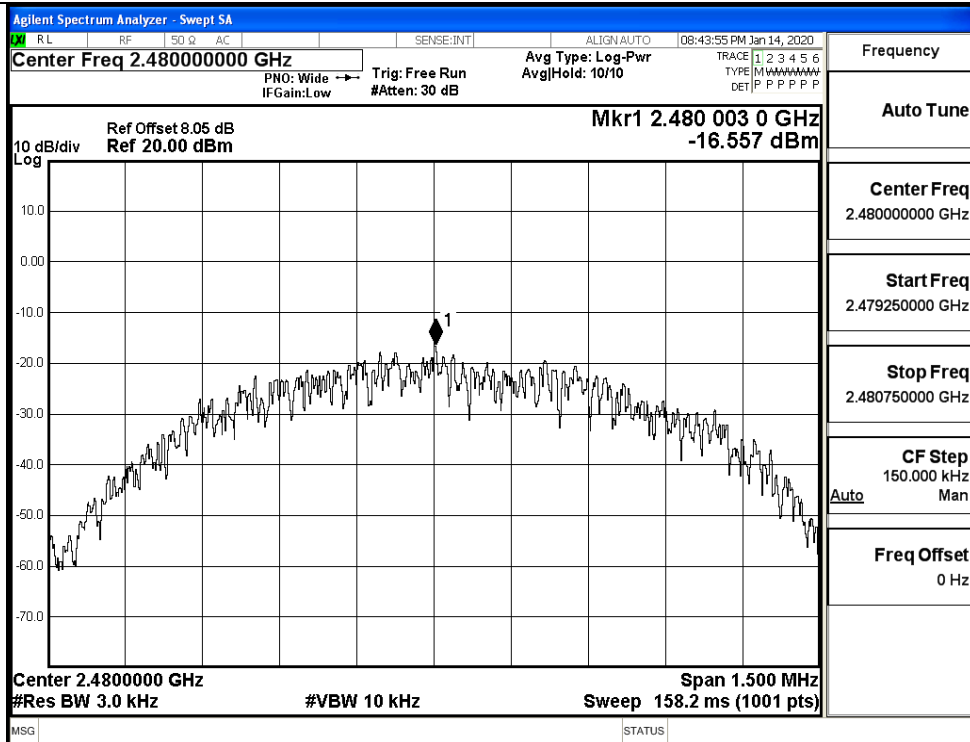
LCH



MCH



HCH

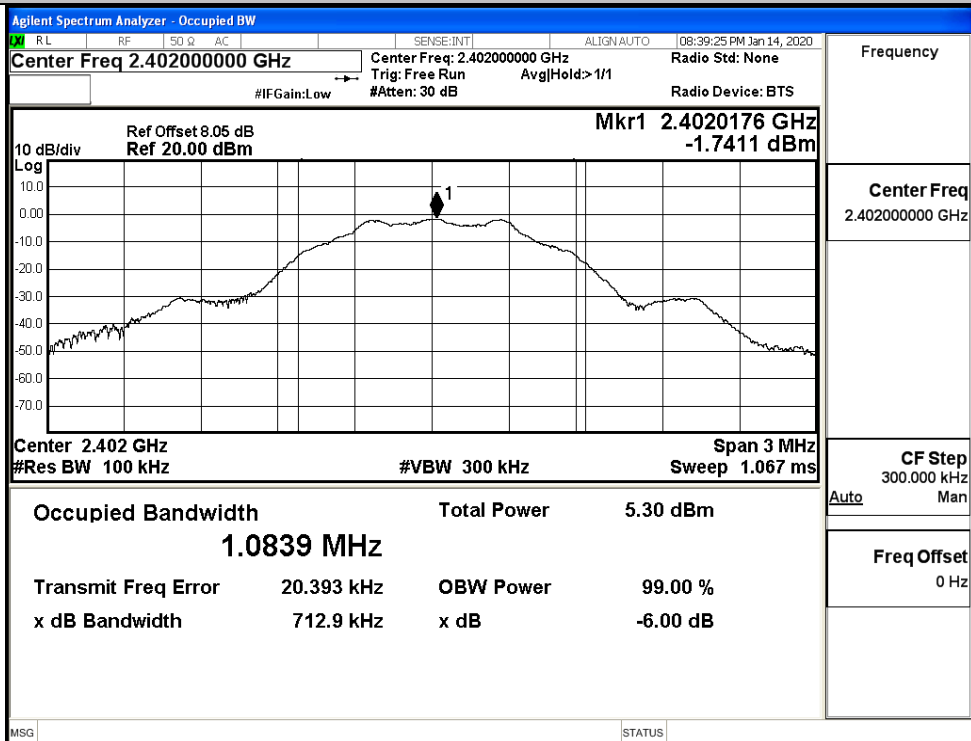


B.4 6dB Bandwidth

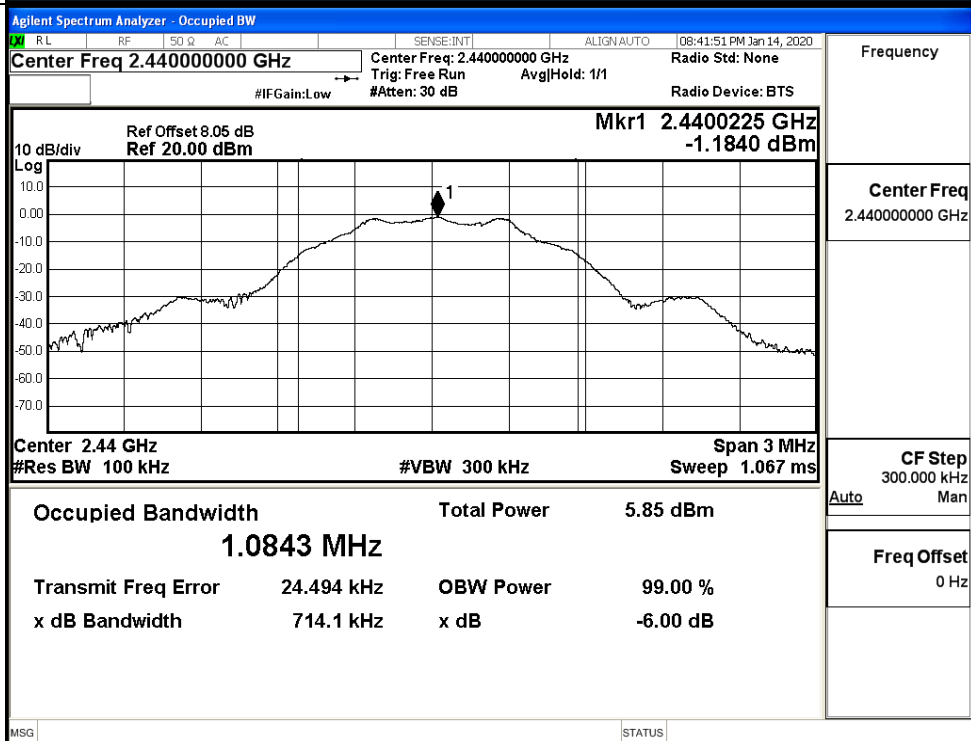
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7129	≥ 0.5	PASS
BT LE	MCH	0.7141	≥ 0.5	PASS
BT LE	HCH	0.7071	≥ 0.5	PASS

Test Graphs

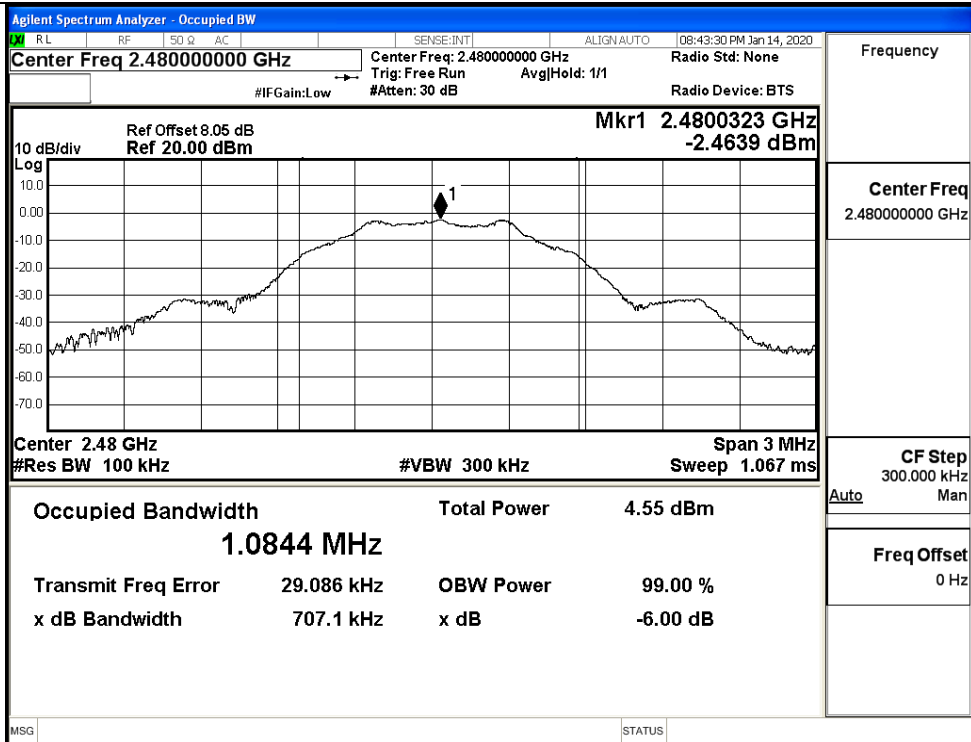
LCH



MCH



HCH

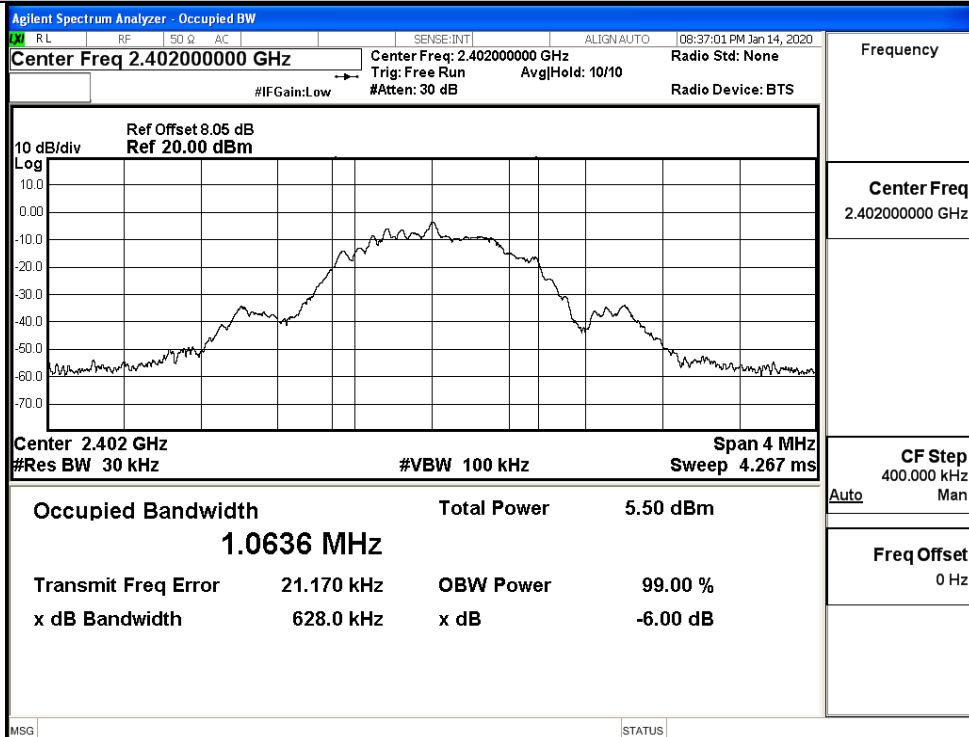


B.5 Occupied Bandwidth

Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.0636	≥ 0.5	PASS
BT LE	MCH	1.0638	≥ 0.5	PASS
BT LE	HCH	1.0643	≥ 0.5	PASS

Test Graphs

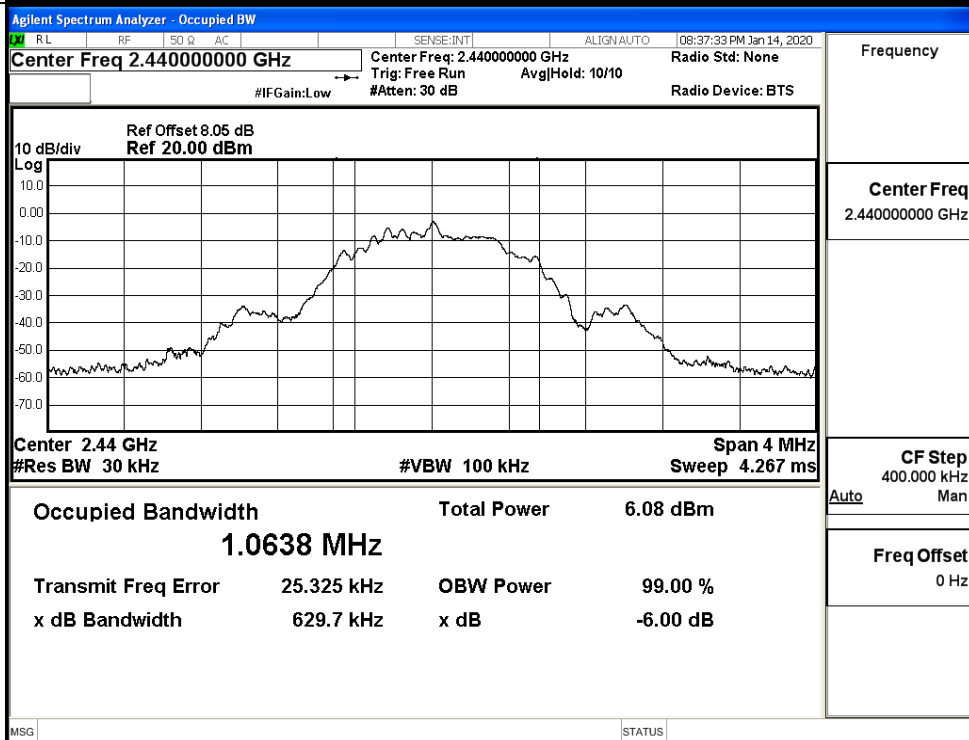
LCH



Frequency

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

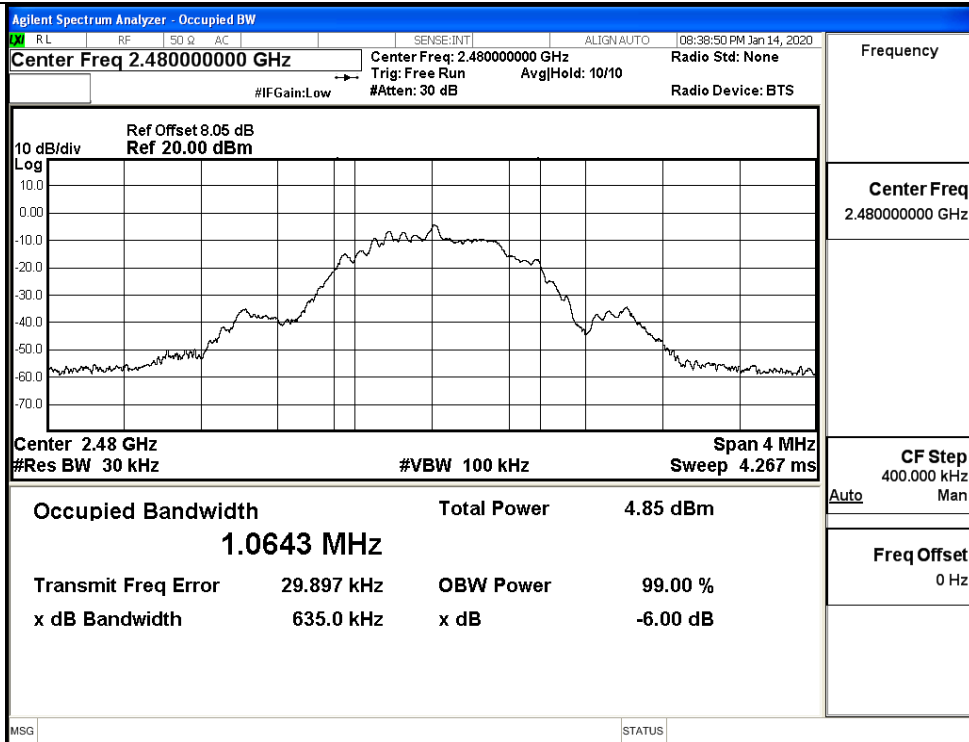
MCH



Frequency

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

HCH

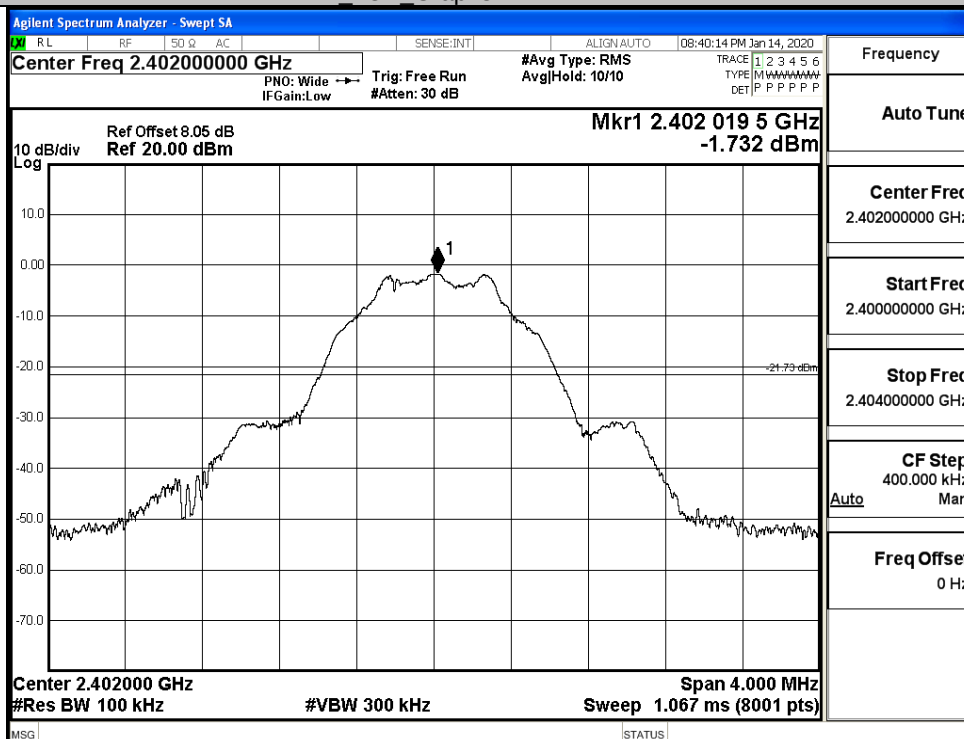


B.6 RF Conducted Spurious Emissions

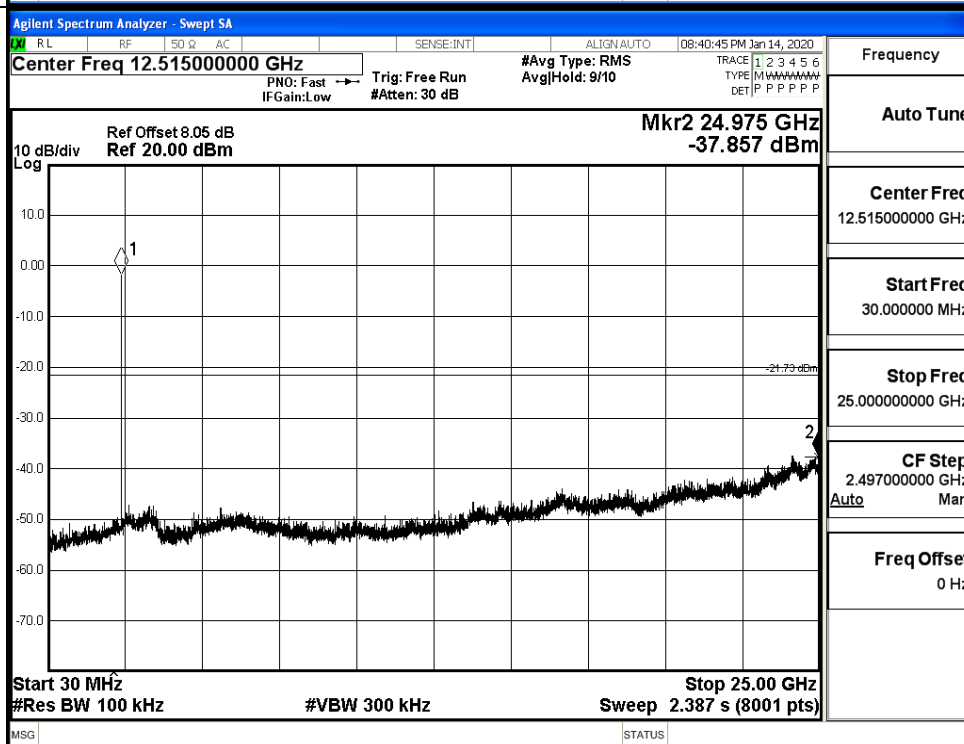
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.732	-37.857	-21.732	PASS
BT LE	MCH	-1.206	-37.052	-21.206	PASS
BT LE	HCH	-2.463	-36.727	-22.463	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

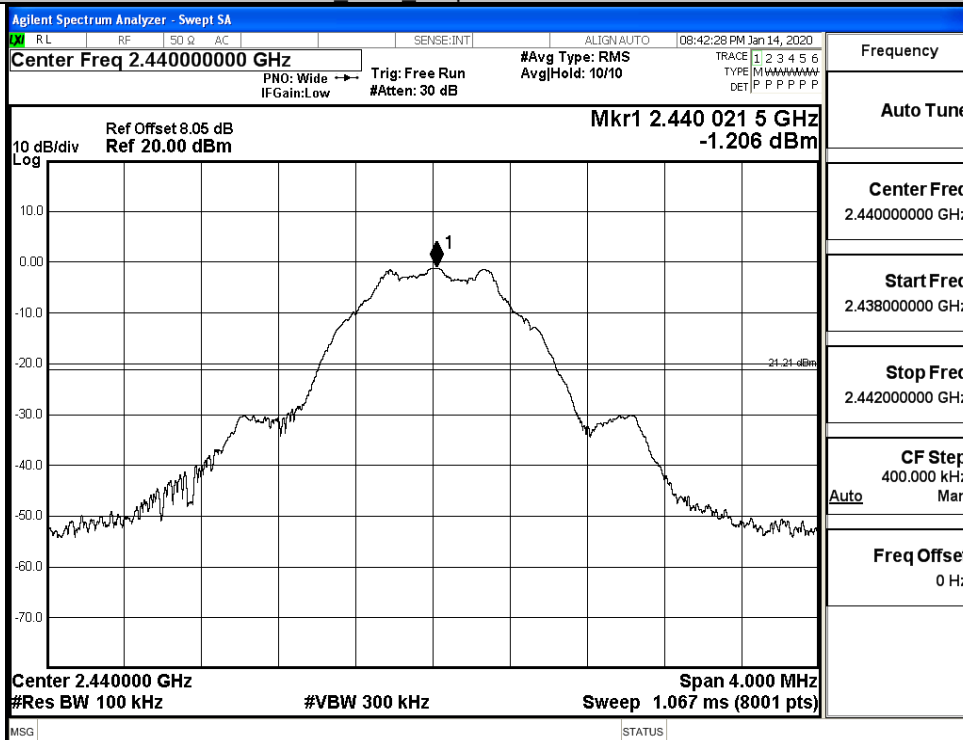


Puw/BT LE/LCH

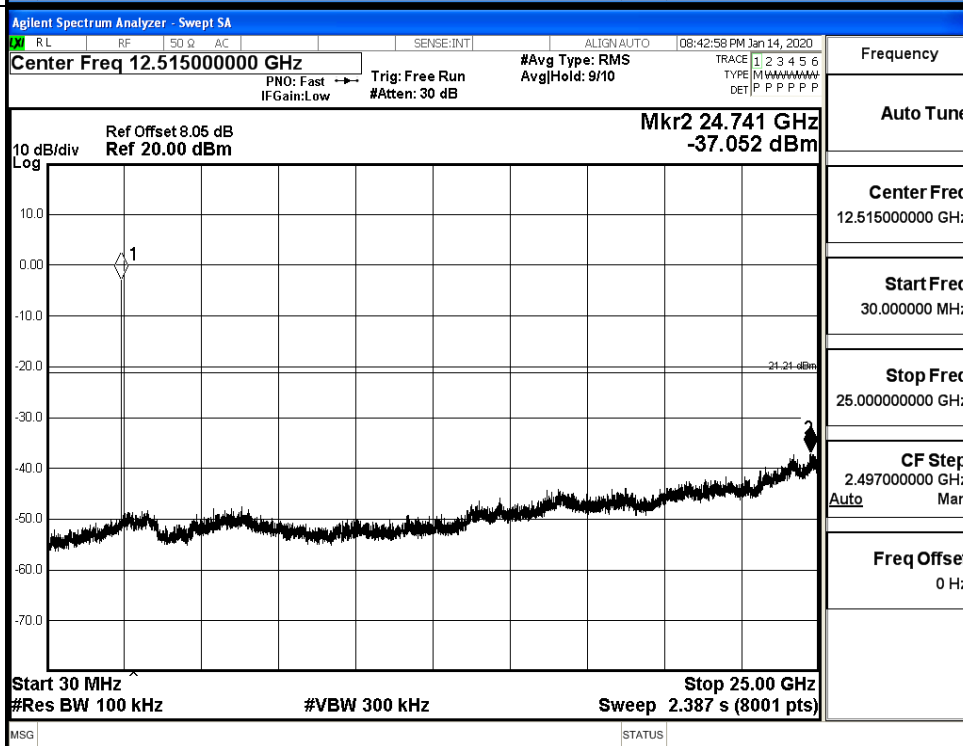


BT LE MCH Graphs

Pref/BT LE/MCH

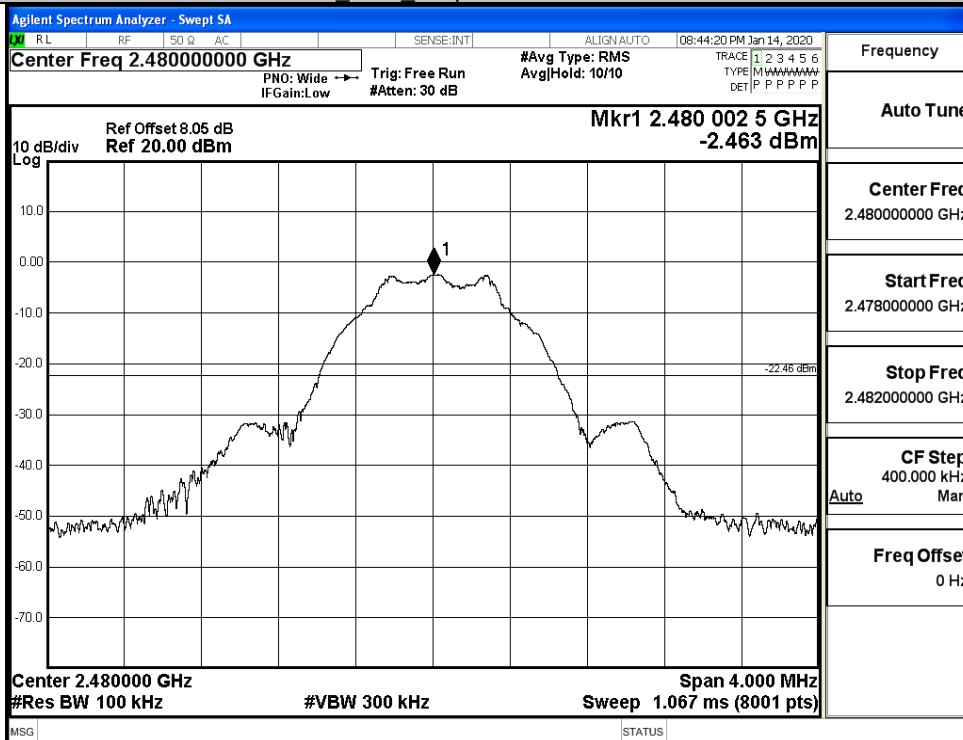


Puw/BT LE/MCH

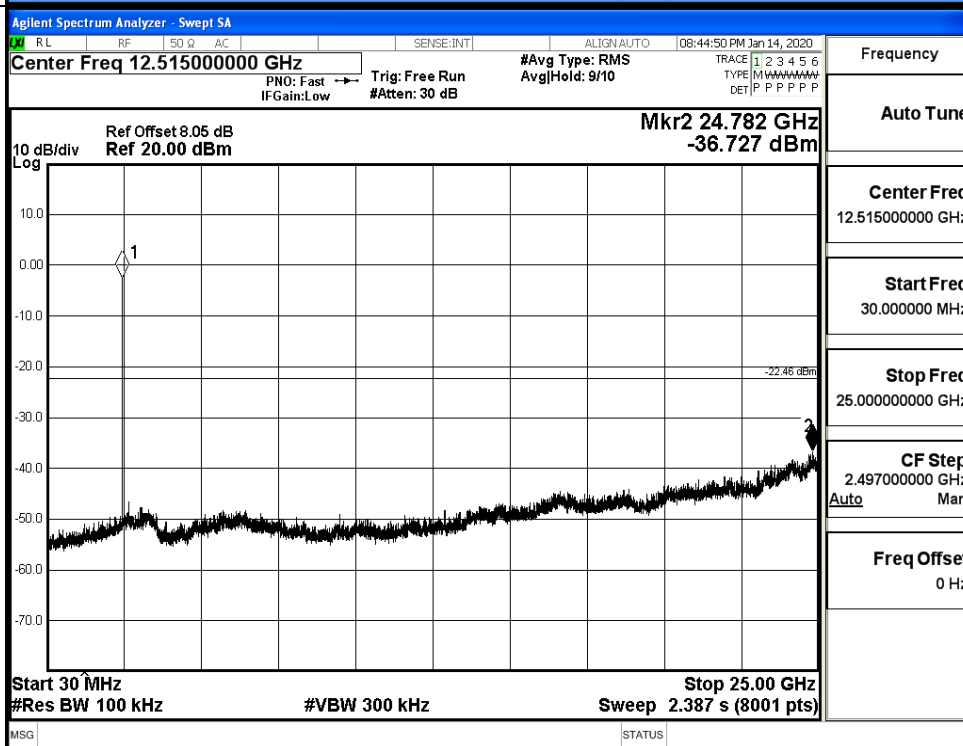


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

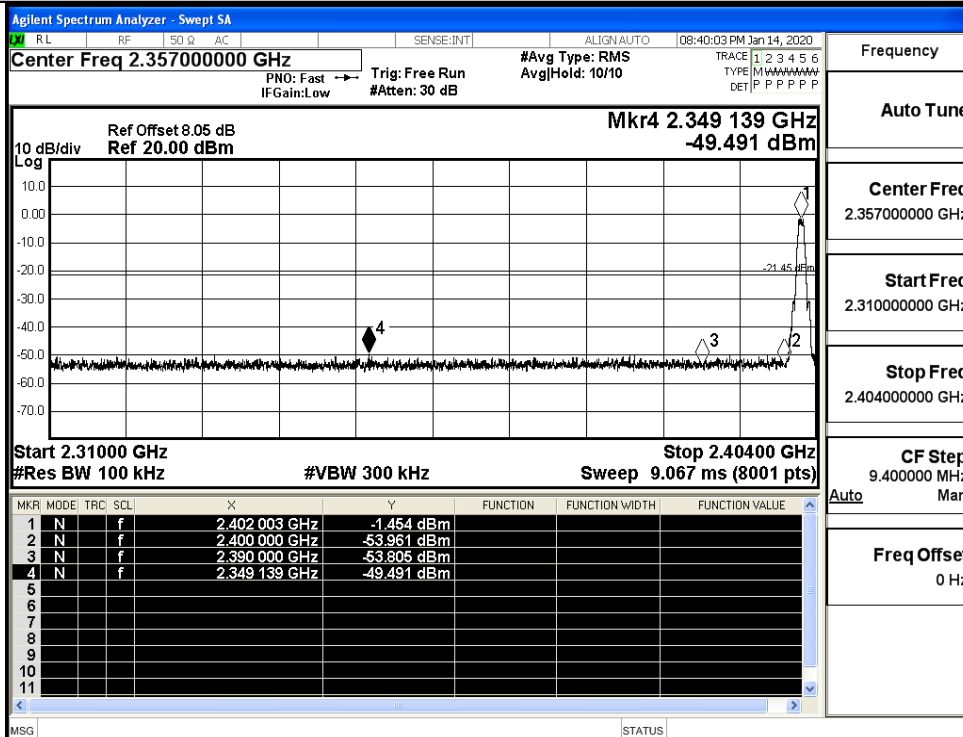


B.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.454	-49.491	-21.45	PASS
BT LE	HCH	-2.318	-49.152	-22.32	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

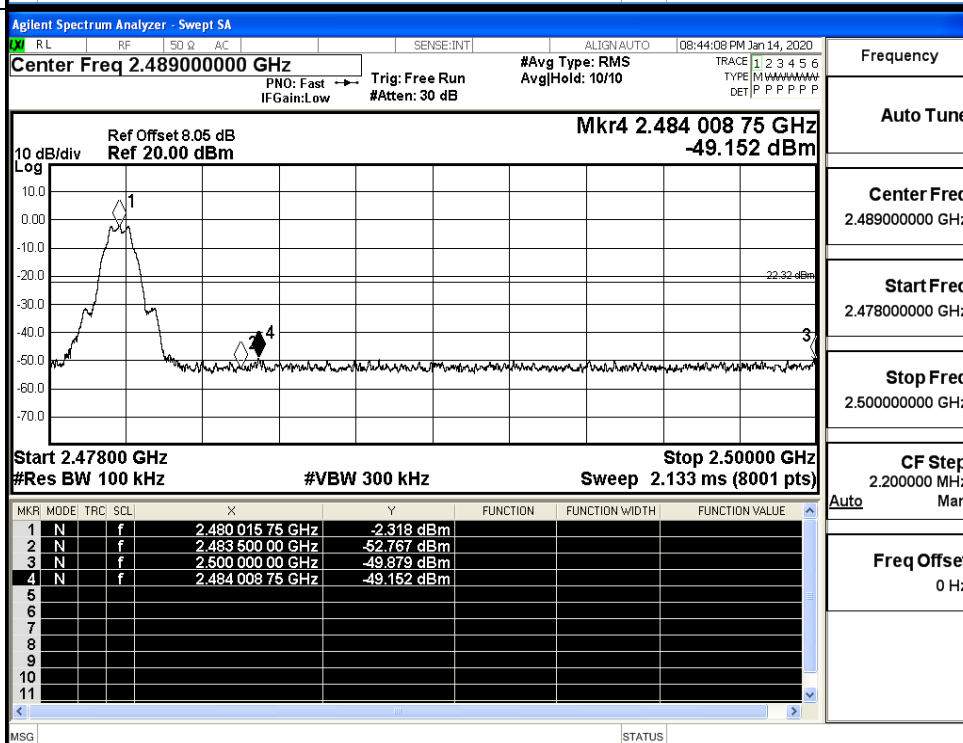
9.400000 MHz

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

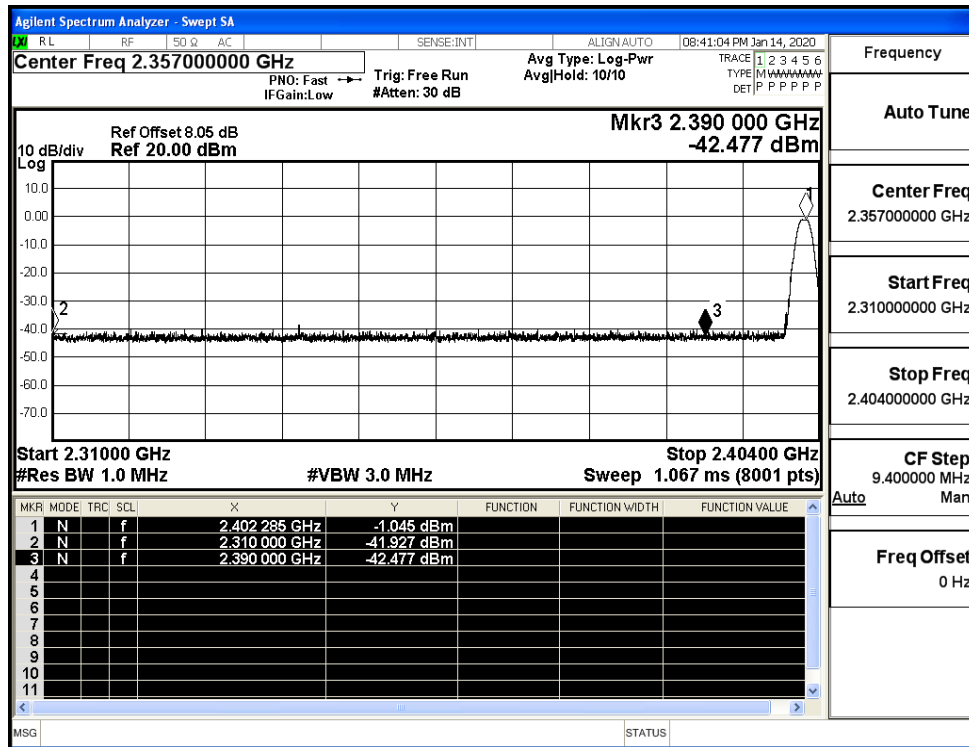
Freq Offset

0 Hz

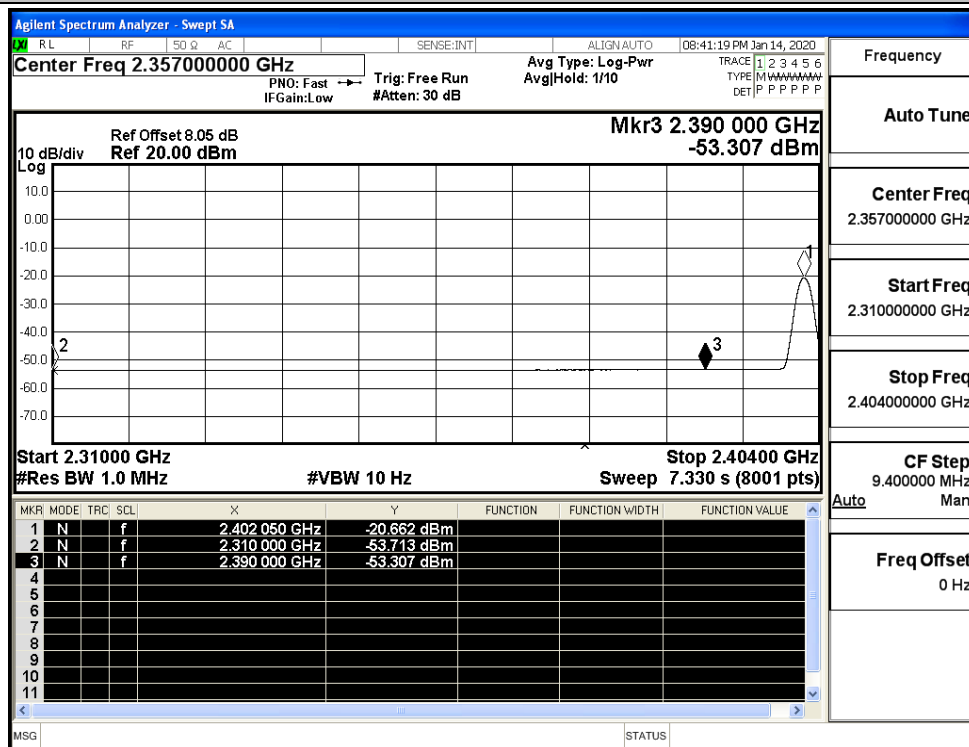
B.8 Restrict-band band-edge measurements

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	-41.93	2.0	0	55.33	PEAK	74	PASS
		Ant1	2310.0	-53.71	2.0	0	43.54	AV	54	PASS
		Ant1	2390.0	-42.48	2.0	0	54.78	PEAK	74	PASS
		Ant1	2390.0	-53.31	2.0	0	43.95	AV	54	PASS
	2480	Ant1	2483.5	-42.55	2.0	0	54.71	PEAK	74	PASS
		Ant1	2483.5	-52.87	2.0	0	44.39	AV	54	PASS
		Ant1	2500.0	-41.71	2.0	0	55.55	PEAK	74	PASS
		Ant1	2500.0	-52.72	2.0	0	44.54	AV	54	PASS

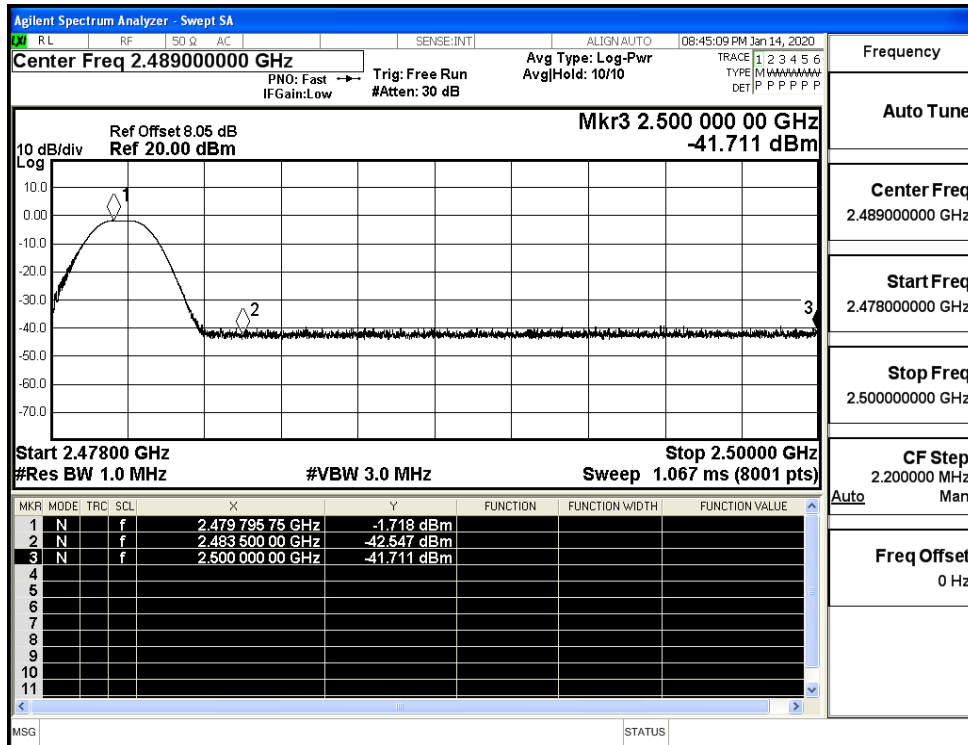
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

