

Appendix B

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

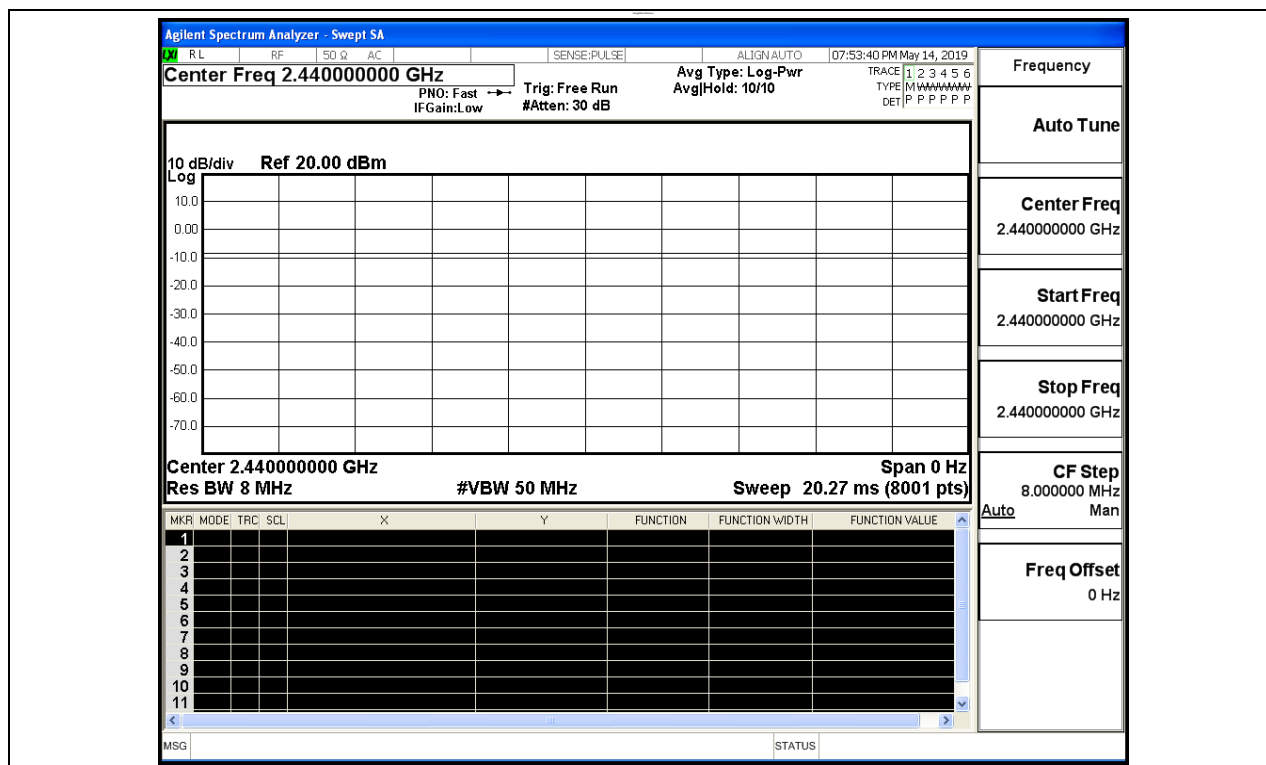
Product Name: Tablet PC
Trade Mark: 3222222Satelital
Test Model: G706

Environmental Conditions

Temperature:	24.8 ° C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang Chuang
Supervised by:	Tom Liu

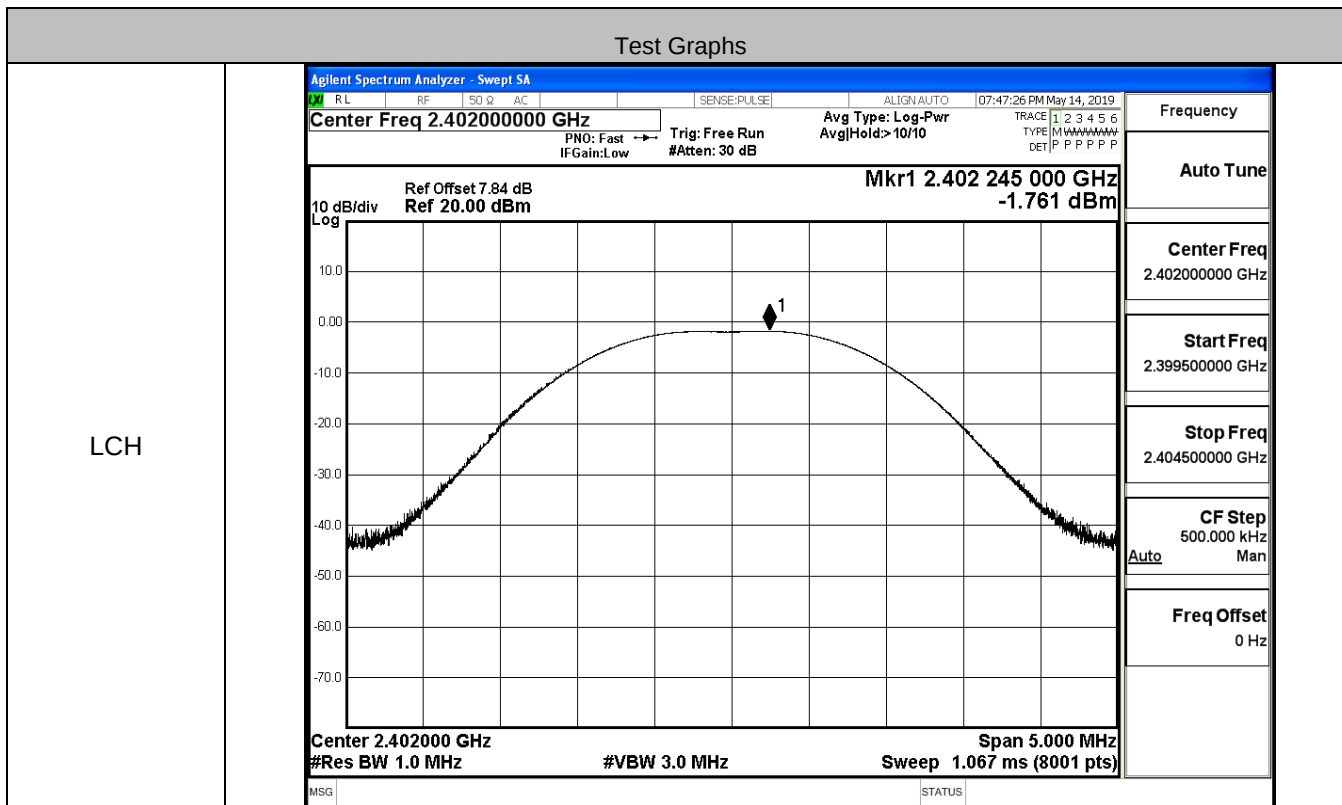
B.1 Duty Cycle

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

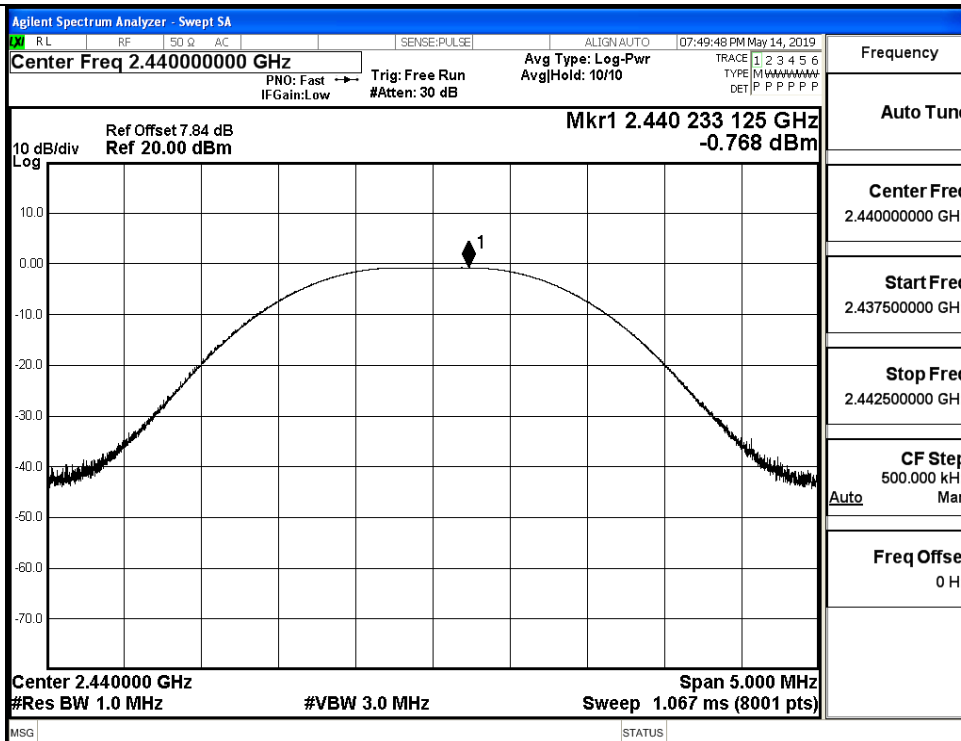


B.2 Maximum Conducted Peak Output Power

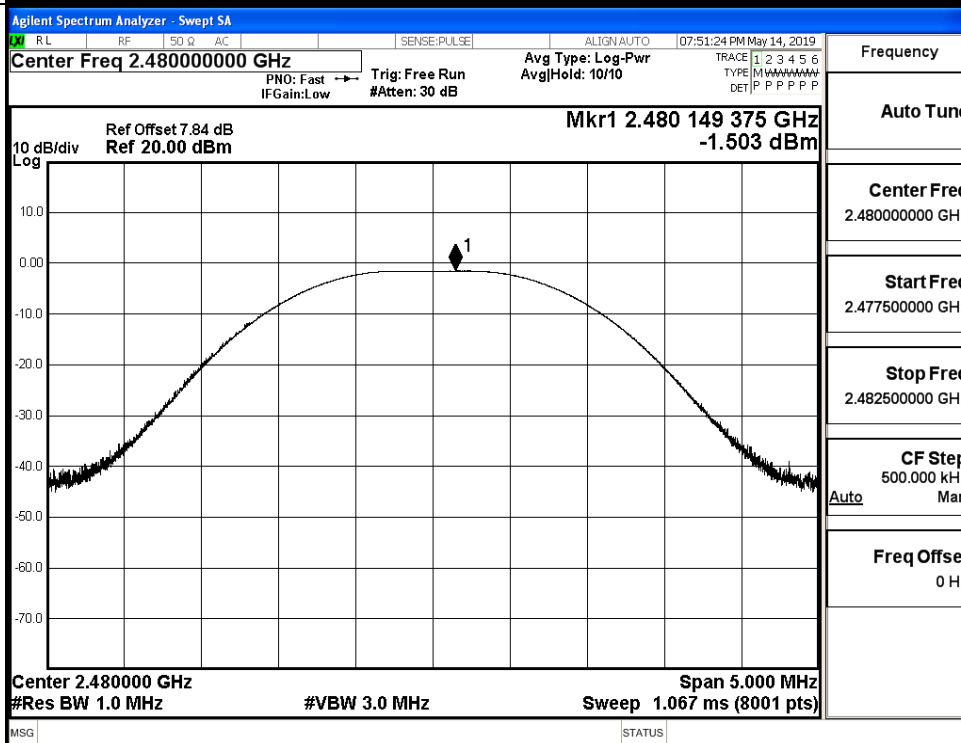
Mode	Channel	Conduct Peak Power[dBm]	Conduct Average Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.761	-1.886	30	PASS
BT LE	MCH	-0.768	-0.938	30	PASS
BT LE	HCH	-1.503	-1.671	30	PASS



MCH



HCH

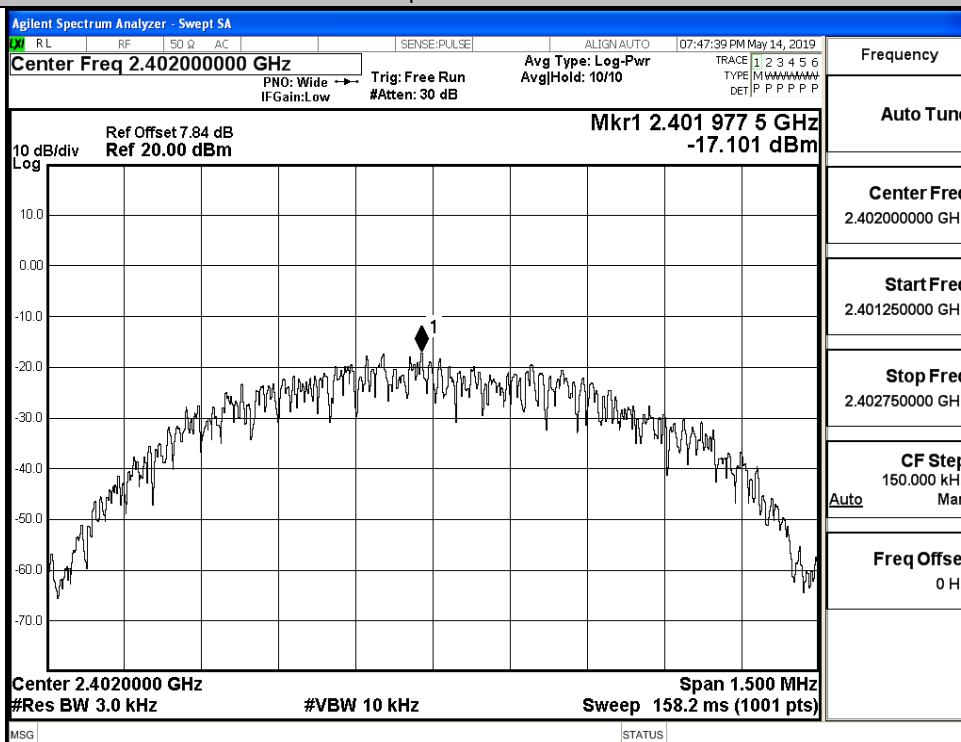


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.101	8	PASS
BT LE	MCH	-16.742	8	PASS
BT LE	HCH	-16.468	8	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.402000000 GHz

Start Freq

2.401250000 GHz

Stop Freq

2.402750000 GHz

CF Step

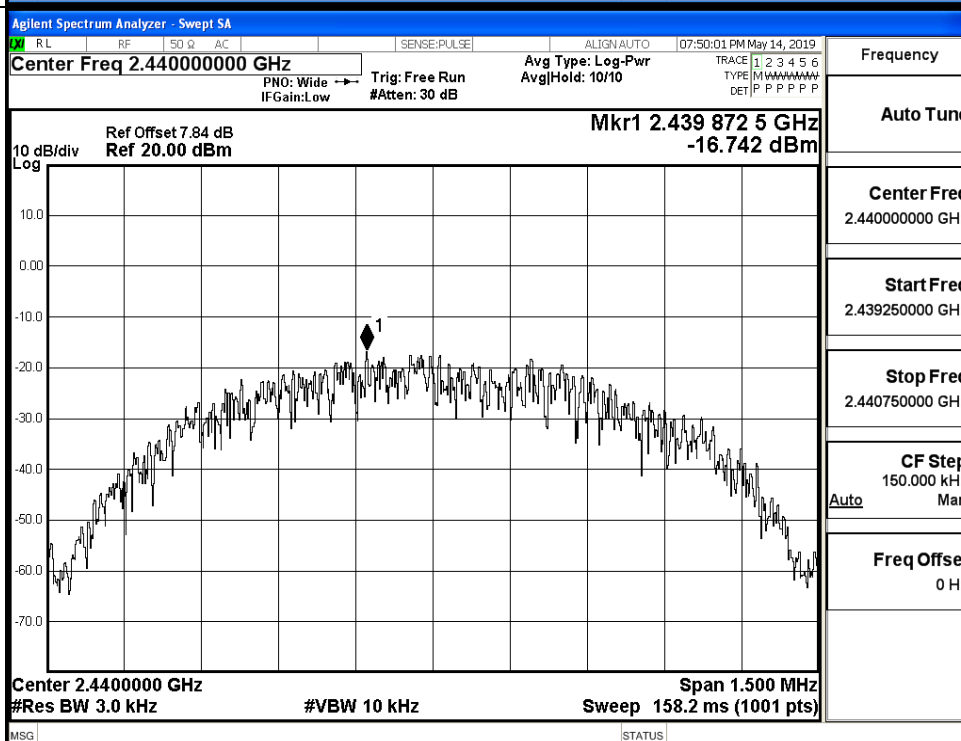
150.000 kHz

Auto

Freq Offset

0 Hz

MCH



Frequency

Auto Tune

Center Freq

2.440000000 GHz

Start Freq

2.439250000 GHz

Stop Freq

2.440750000 GHz

CF Step

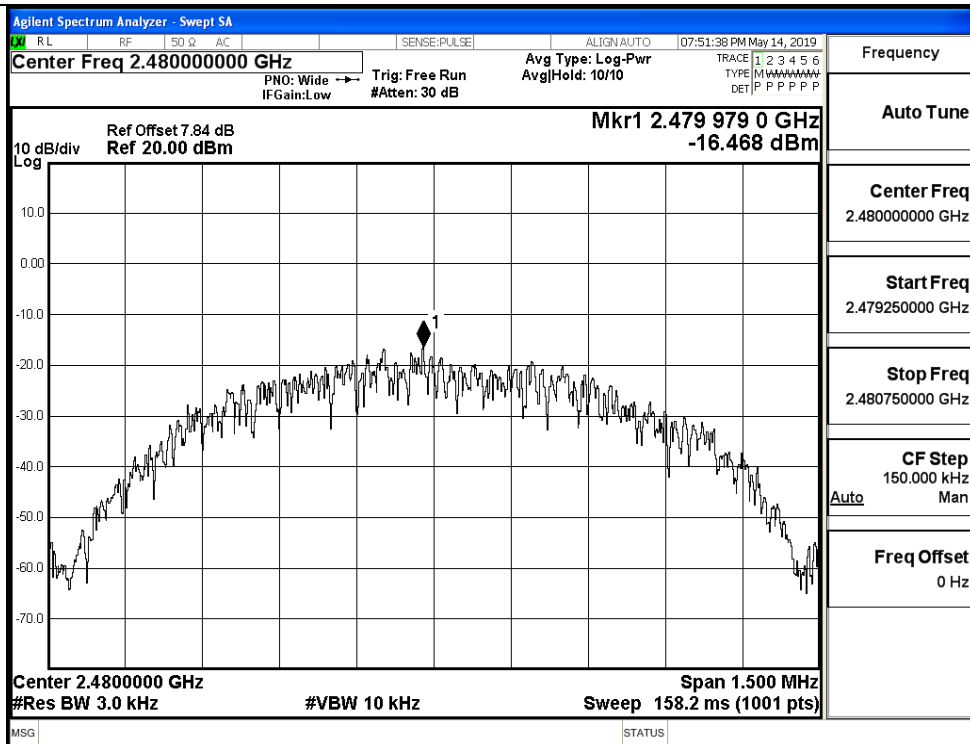
150.000 kHz

Auto

Freq Offset

0 Hz

HCH

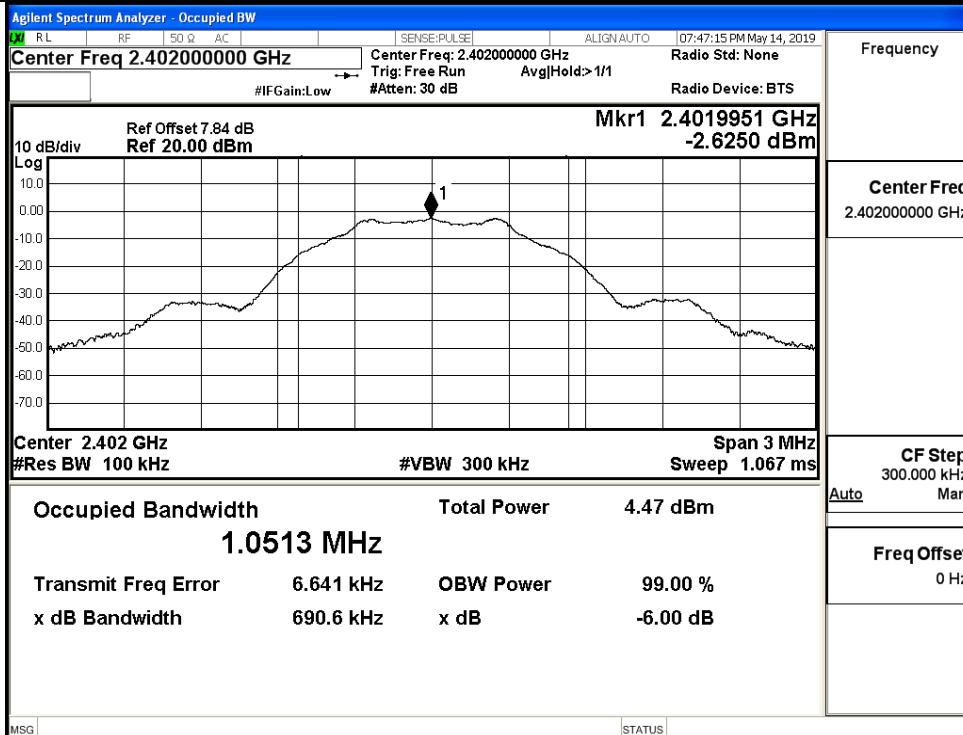


B.4 6dB Bandwidth

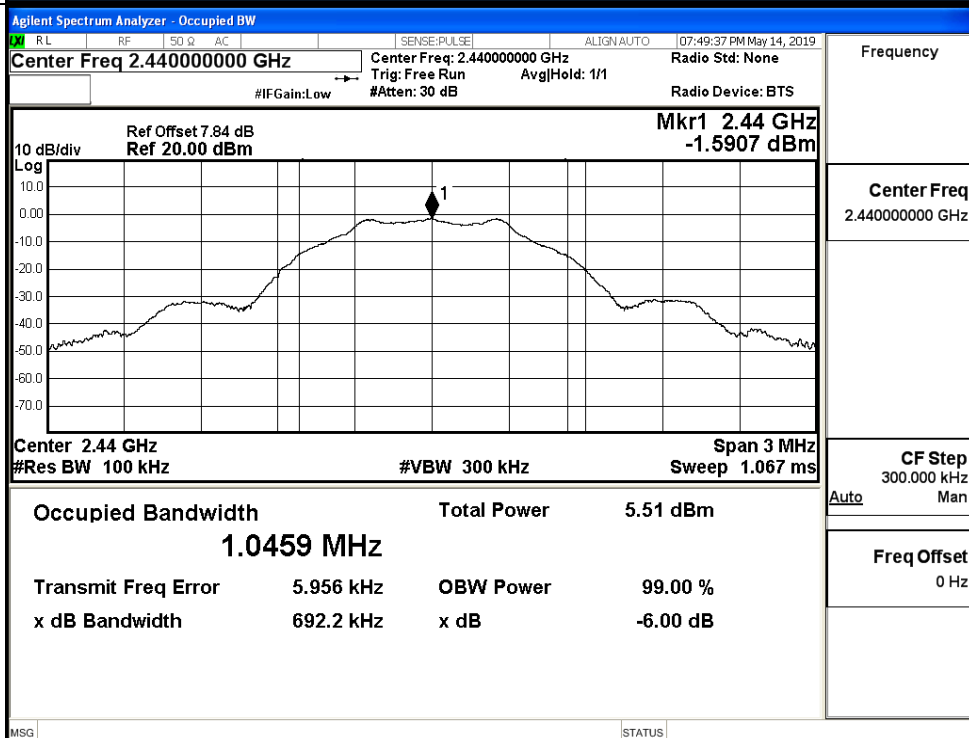
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6906	≥ 0.5	PASS
BT LE	MCH	0.6922	≥ 0.5	PASS
BT LE	HCH	0.6871	≥ 0.5	PASS

Test Graphs

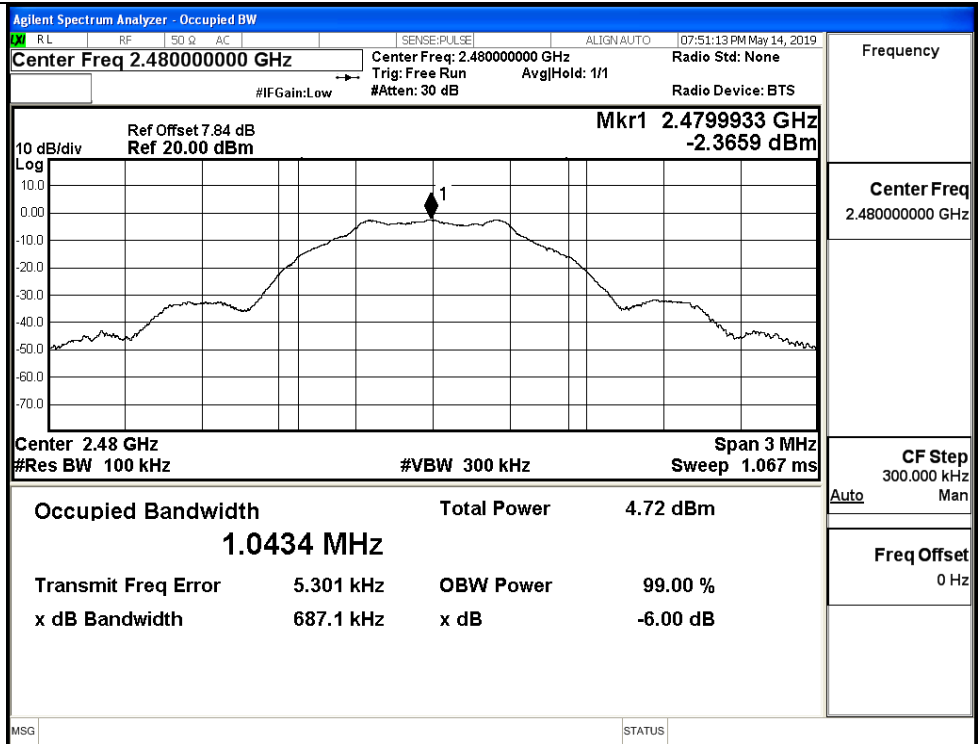
LCH



MCH



HCH



Frequency

Center Freq
2.480000000 GHz

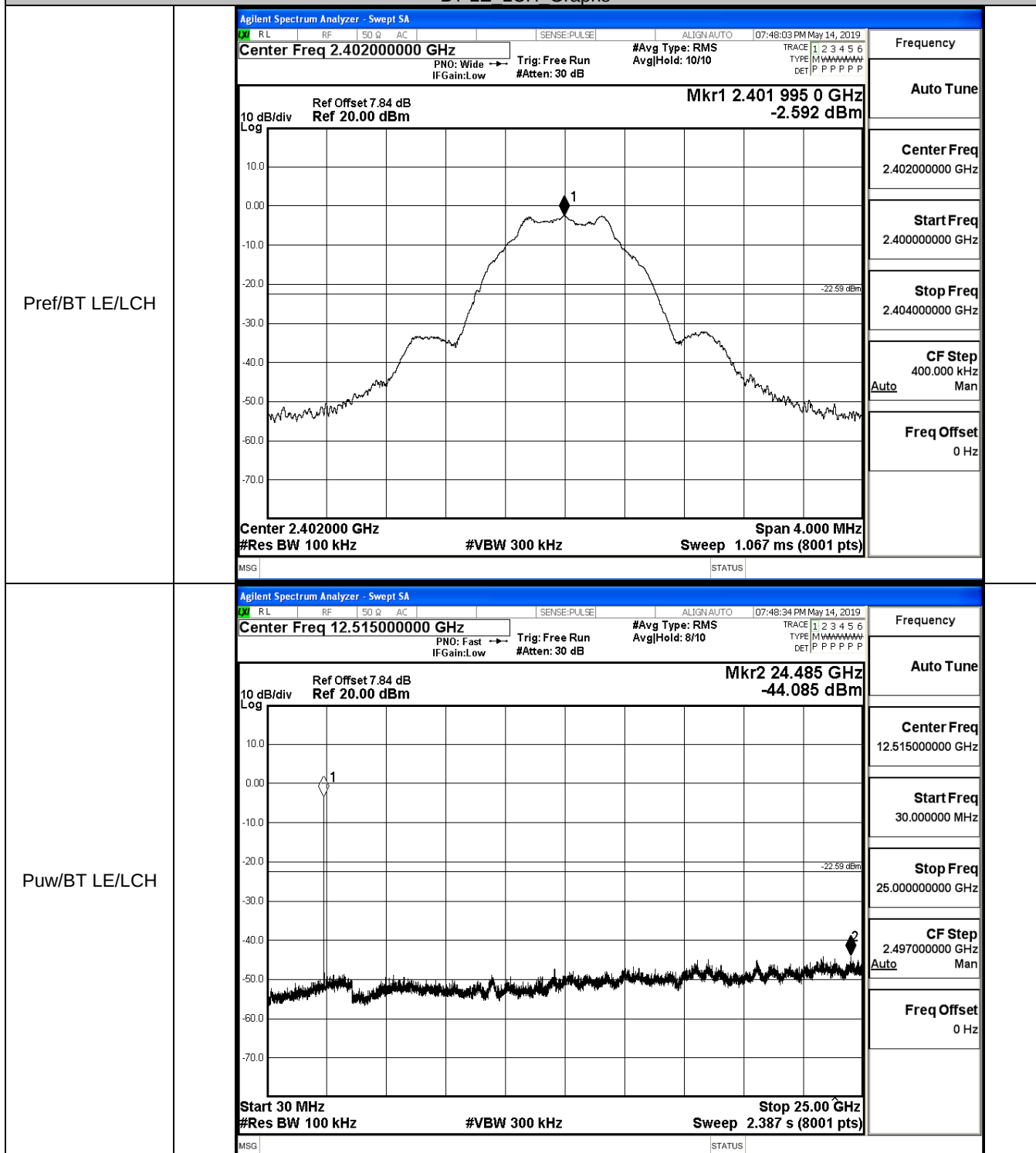
CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

B.5 RF Conducted Spurious Emissions

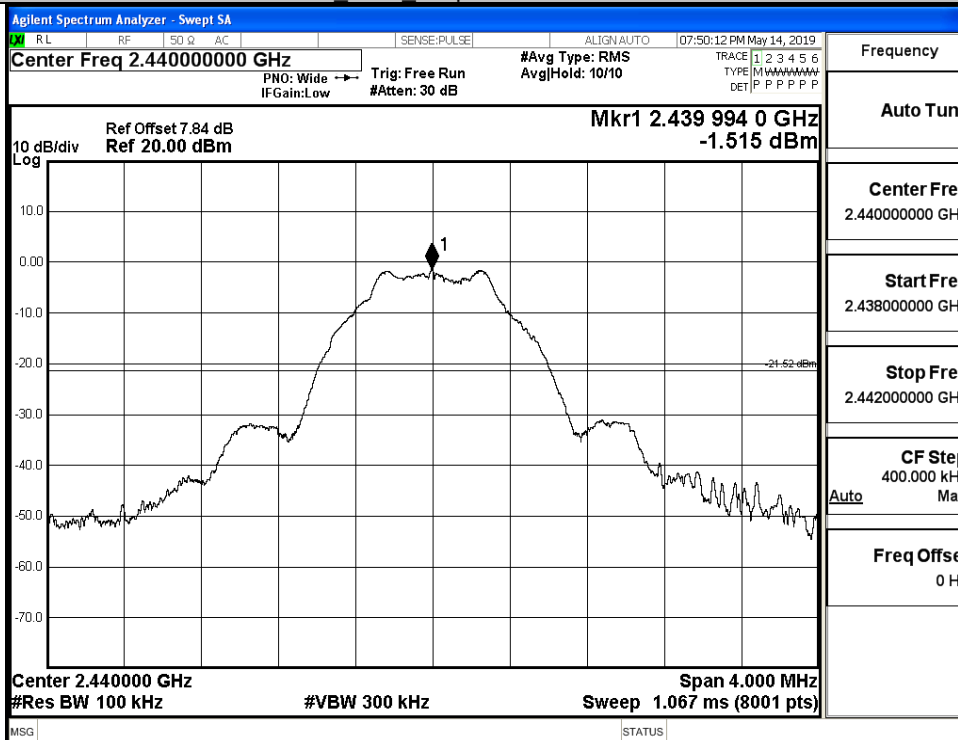
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.592	-44.085	-22.592	PASS
BT LE	MCH	-1.515	-44.236	-21.515	PASS
BT LE	HCH	-2.246	-44.779	-22.246	PASS

BT LE LCH Graphs

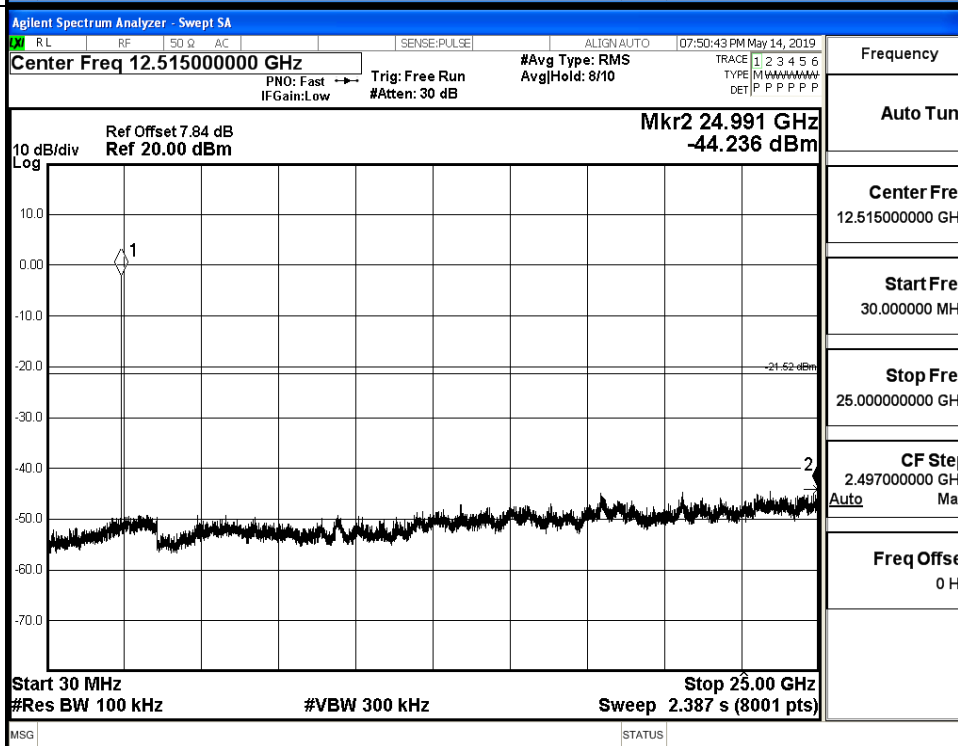


BT LE MCH Graphs

Pref/BT LE/MCH

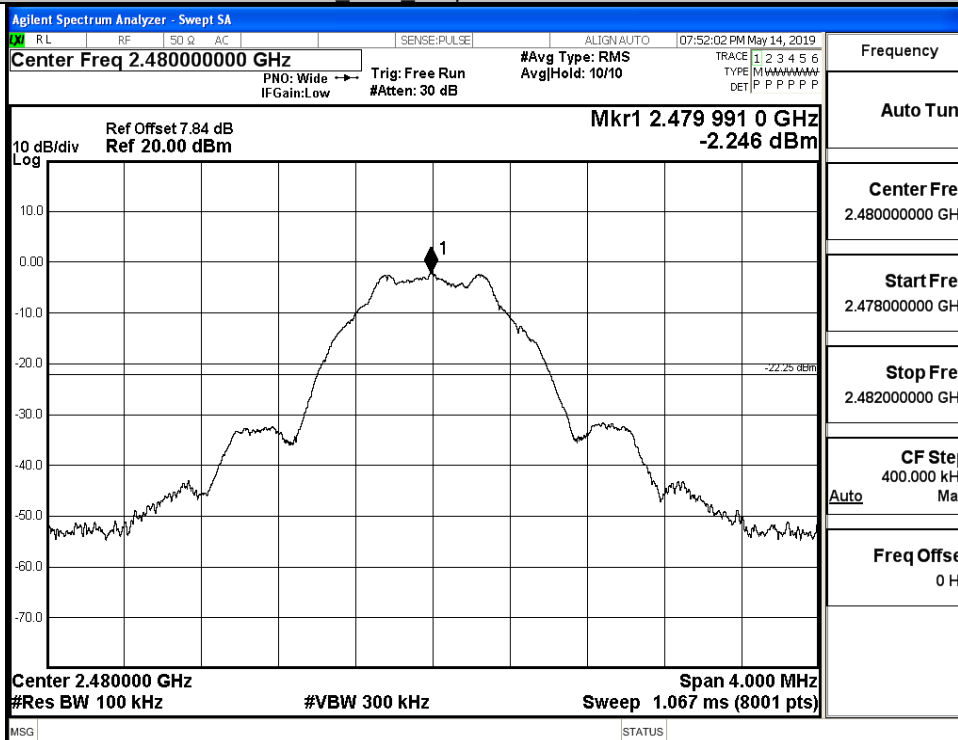


Puw/BT LE/MCH

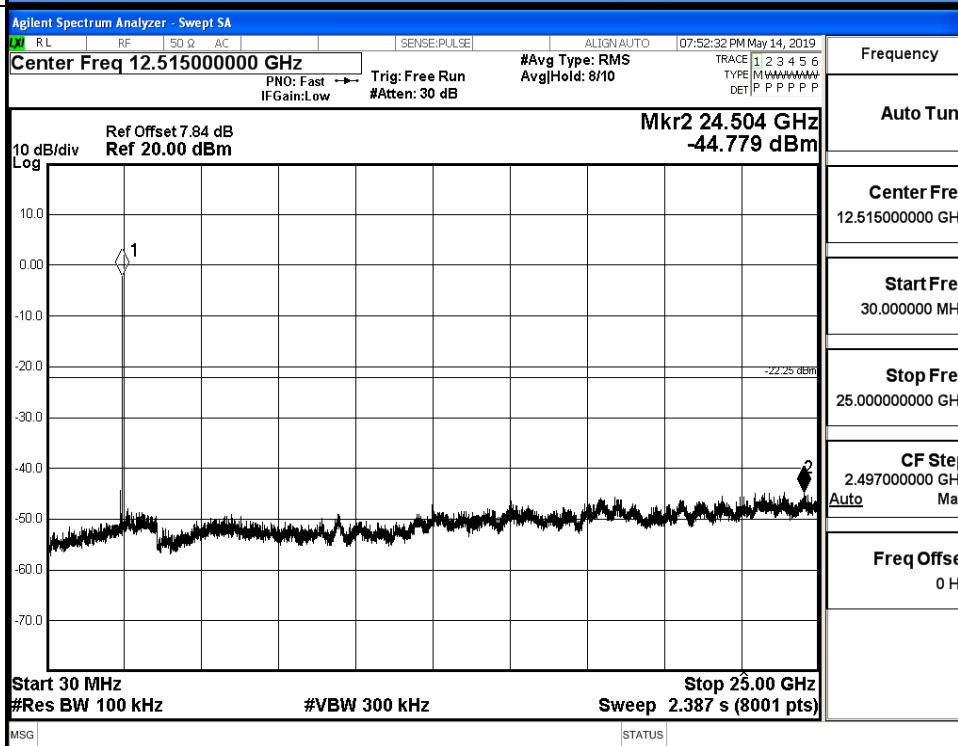


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

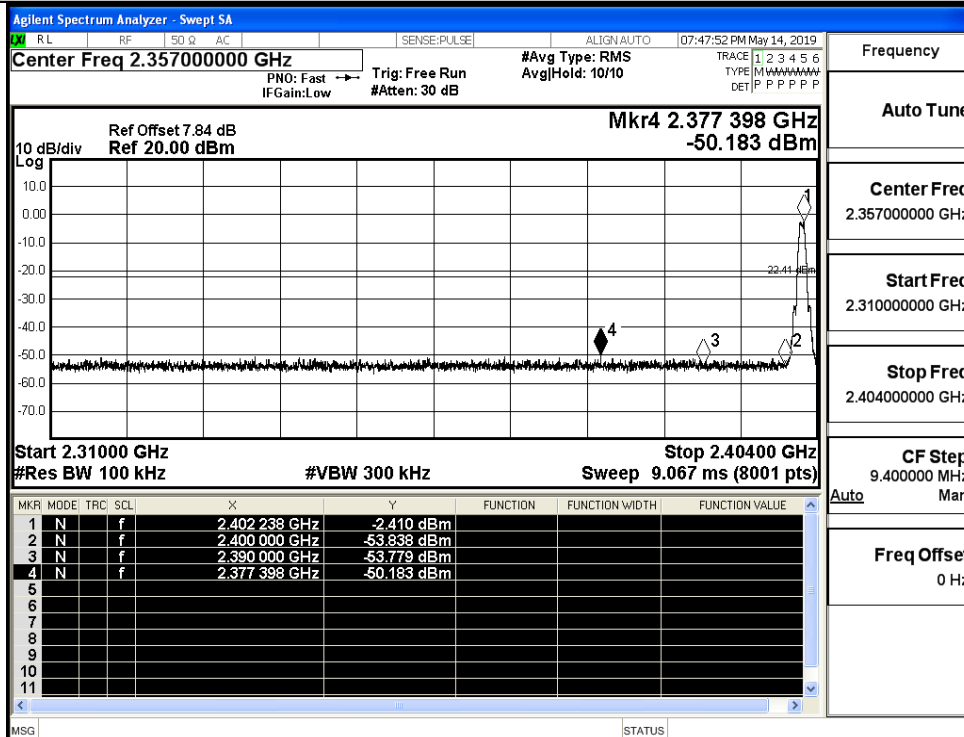


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.410	-50.183	-22.41	PASS
BT LE	HCH	-2.113	-50.608	-22.11	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

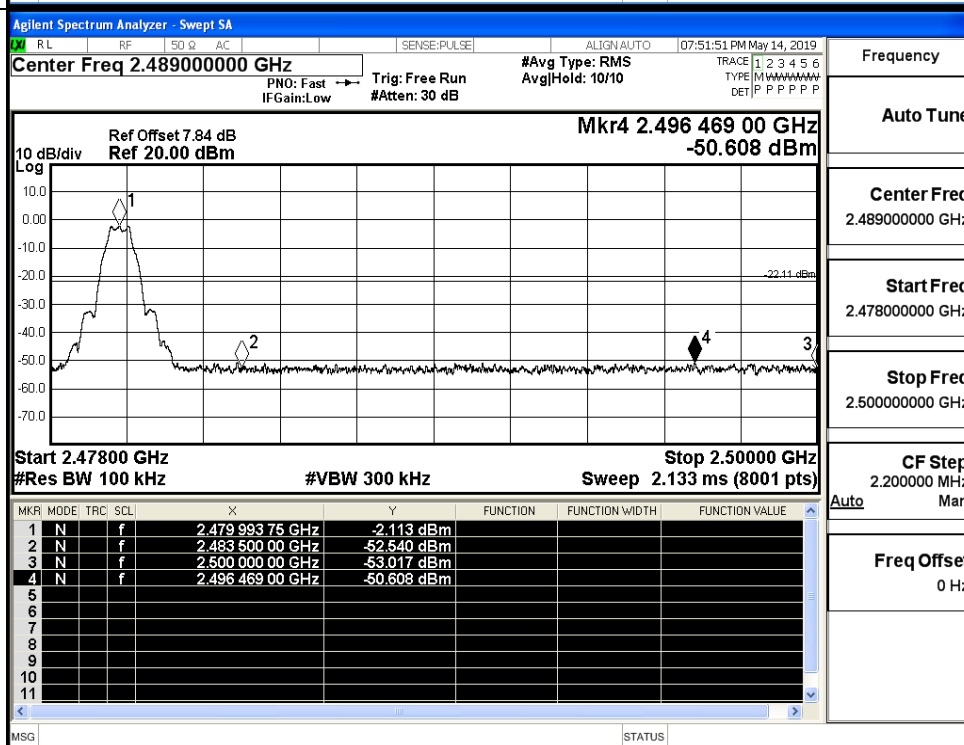
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

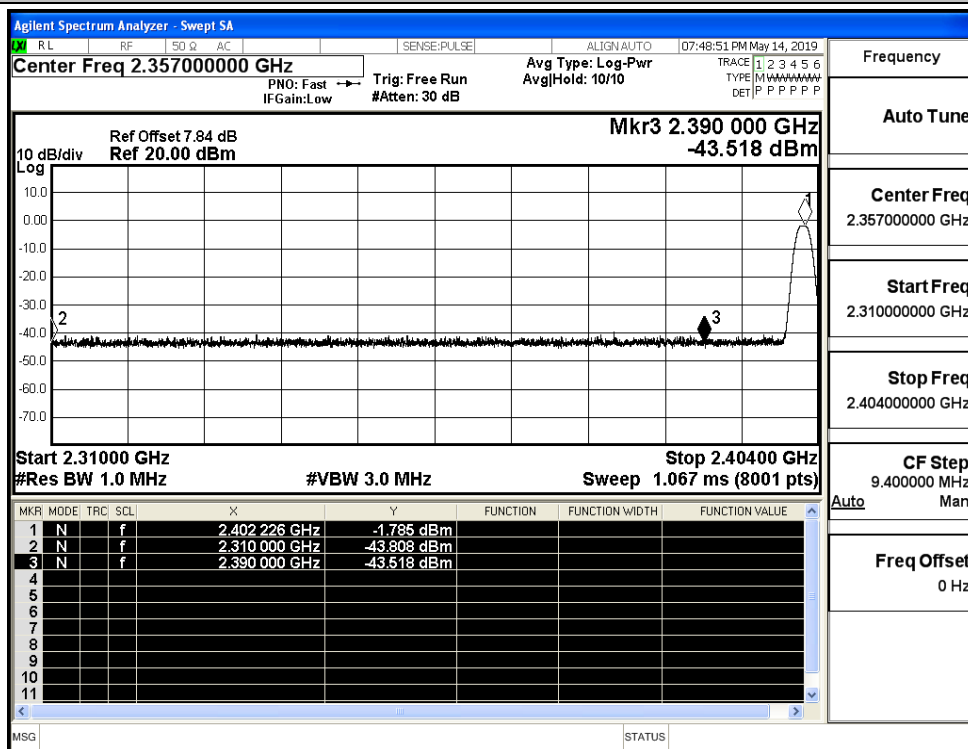
CF Step
2.200000 MHz

Freq Offset
0 Hz

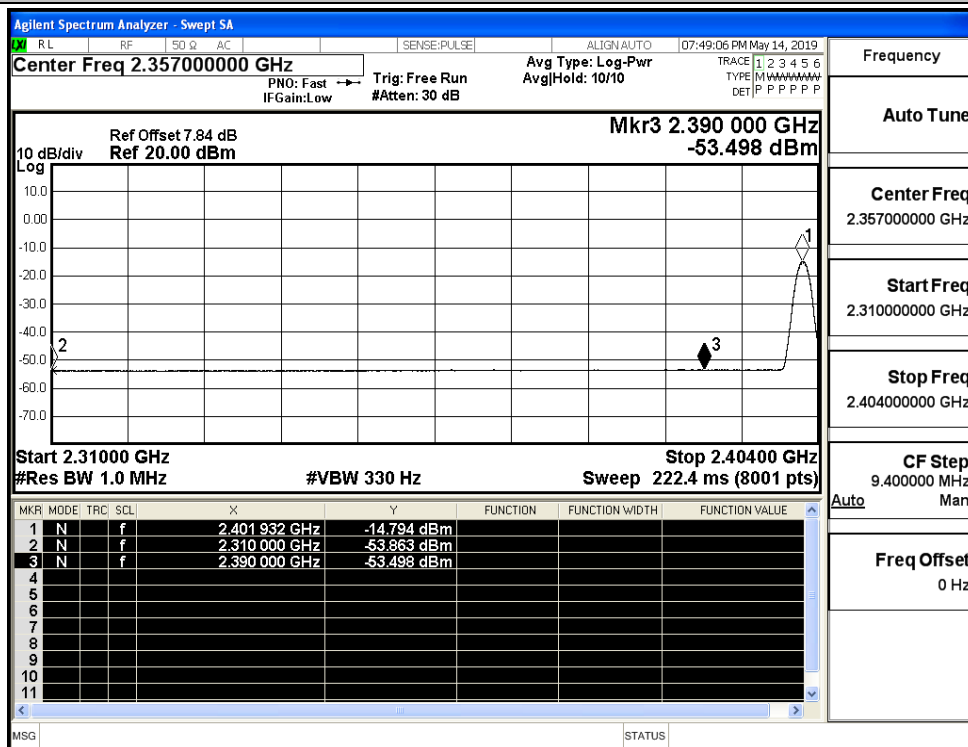
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-43.81	2.0	0	51.45	PEAK	74	PASS
		Ant1	2310.0	-53.86	2.0	0	41.39	AV	54	PASS
		Ant1	2390.0	-43.52	2.0	0	51.74	PEAK	74	PASS
		Ant1	2390.0	-53.50	2.0	0	41.76	AV	54	PASS
	2480	Ant1	2483.5	-43.29	2.0	0	51.97	PEAK	74	PASS
		Ant1	2483.5	-53.34	2.0	0	41.91	AV	54	PASS
		Ant1	2500.0	-42.43	2.0	0	52.82	PEAK	74	PASS
		Ant1	2500.0	-53.17	2.0	0	42.09	AV	54	PASS

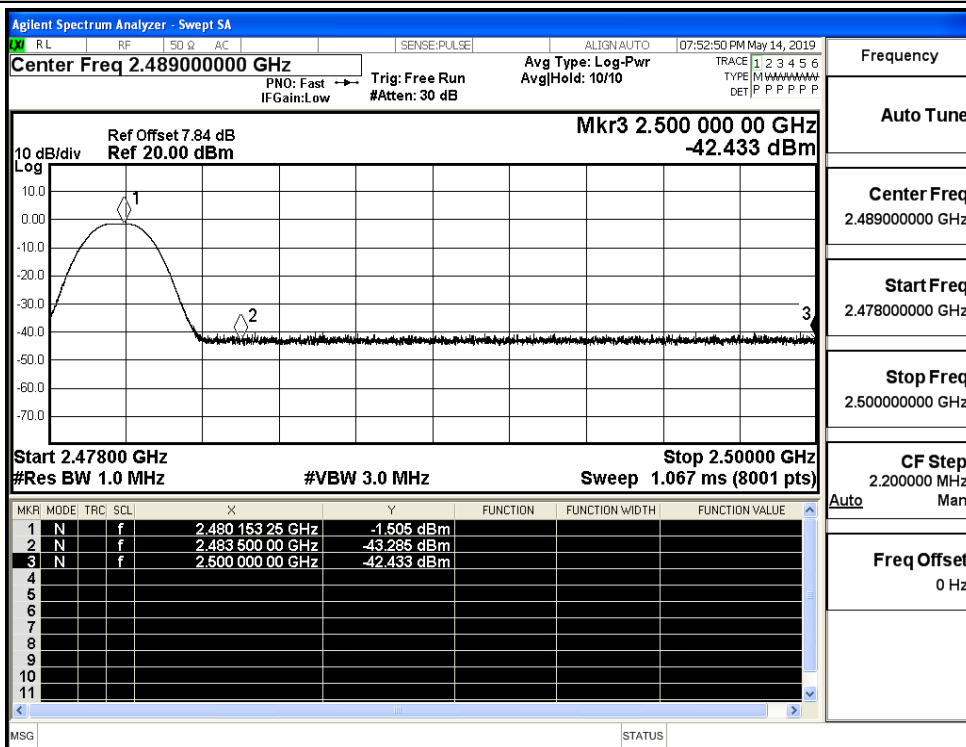
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

