

Appendix B

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

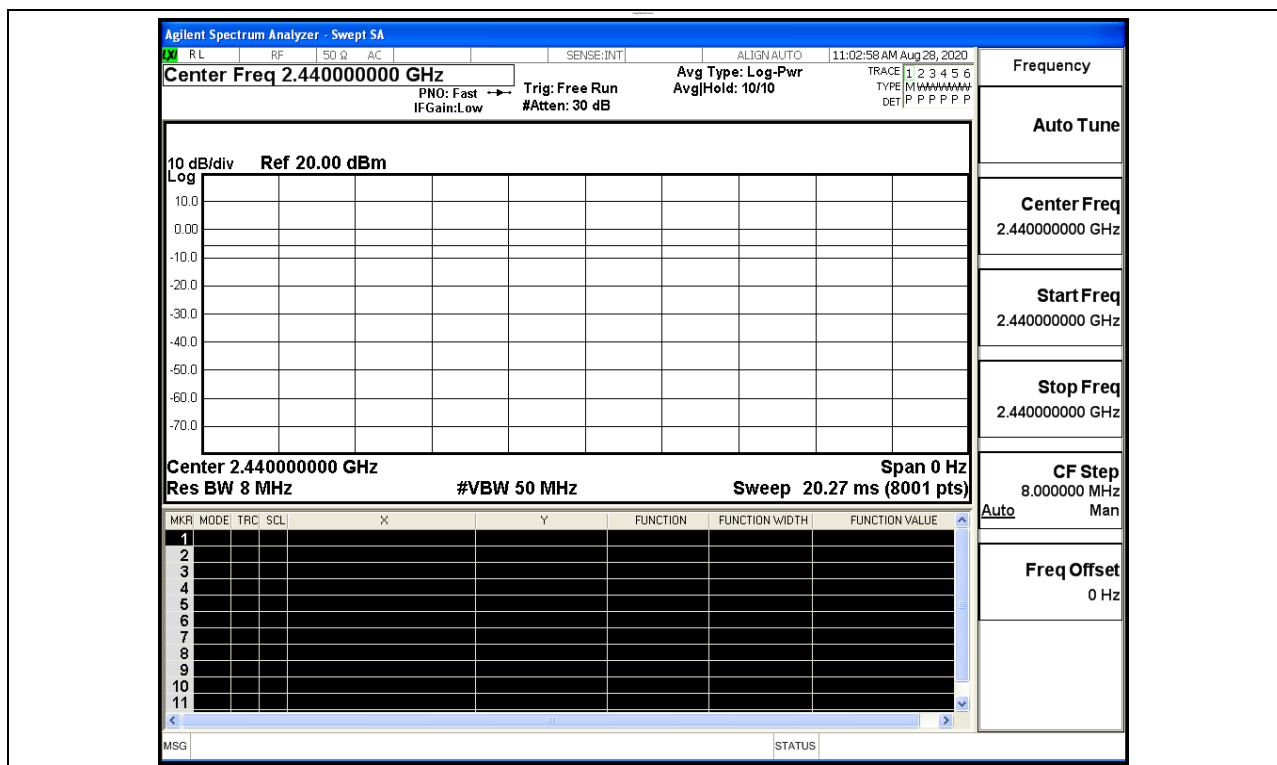
Product Name: Tablet
Trade Mark: LAVA & XOLO
Test Model: T81

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Li Huan

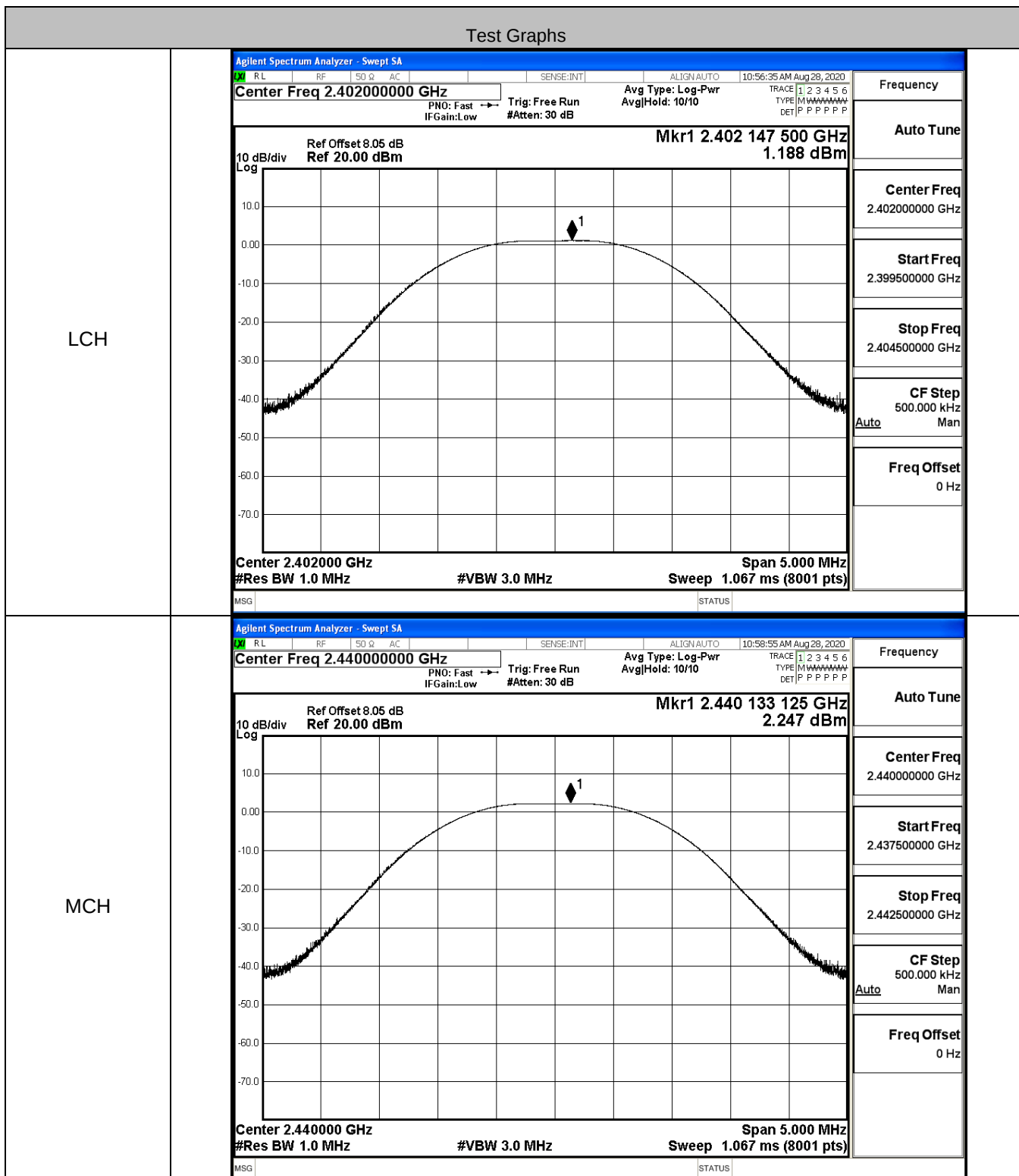
B.1 Duty Cycle

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	1.188	30	PASS
BT LE	MCH	2.247	30	PASS
BT LE	HCH	1.073	30	PASS



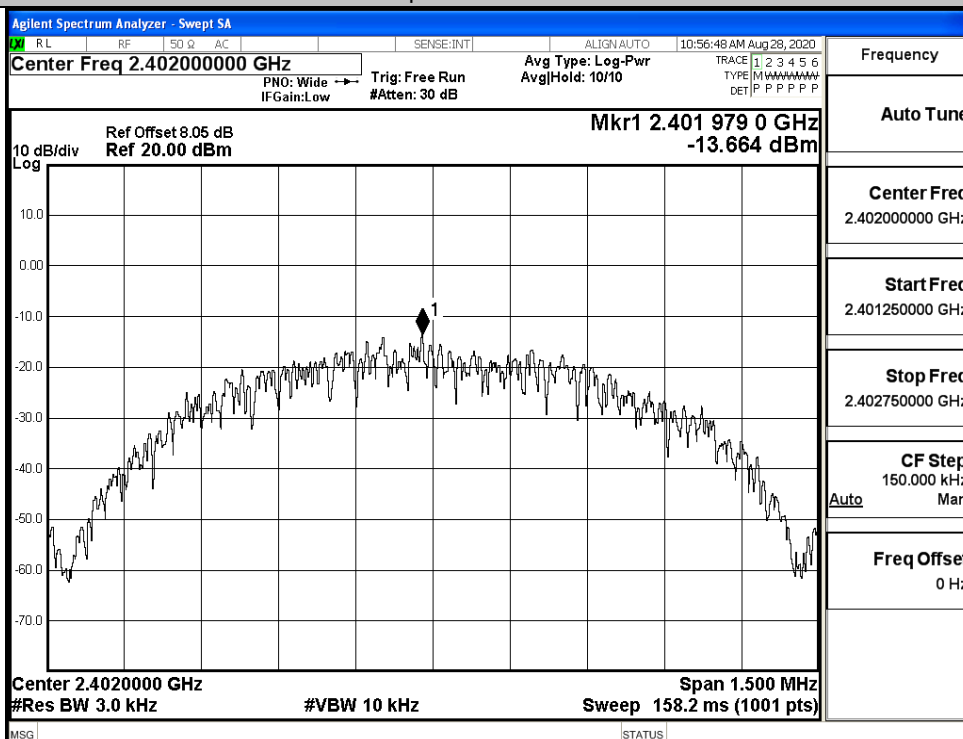


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.664	8	PASS
BT LE	MCH	-12.479	8	PASS
BT LE	HCH	-13.693	8	PASS

Test Graphs

LCH

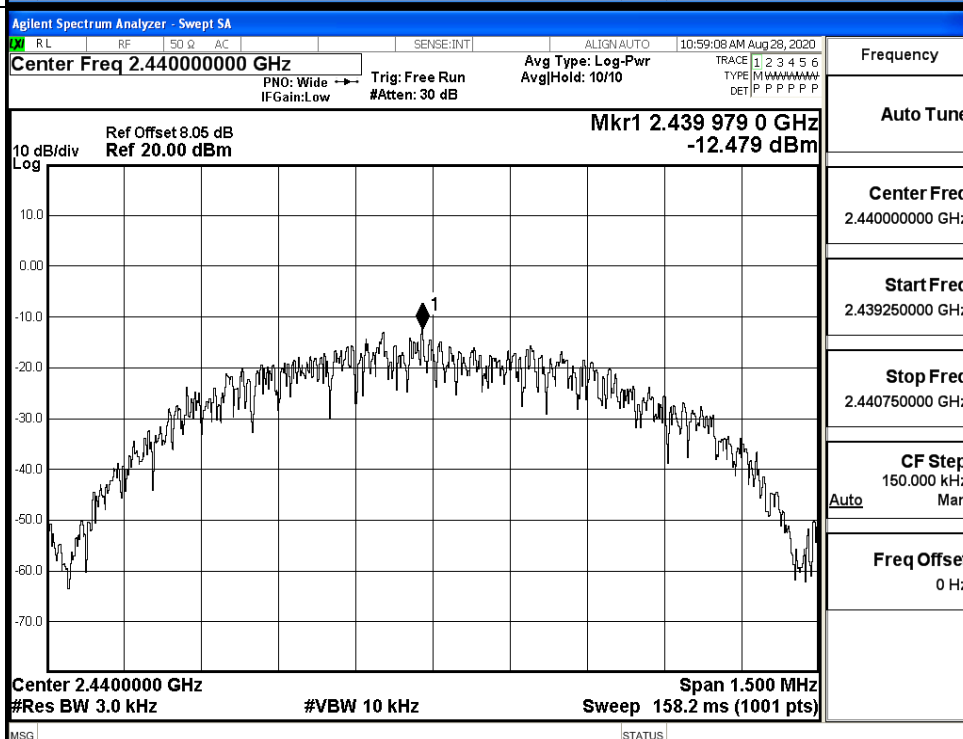


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

MCH

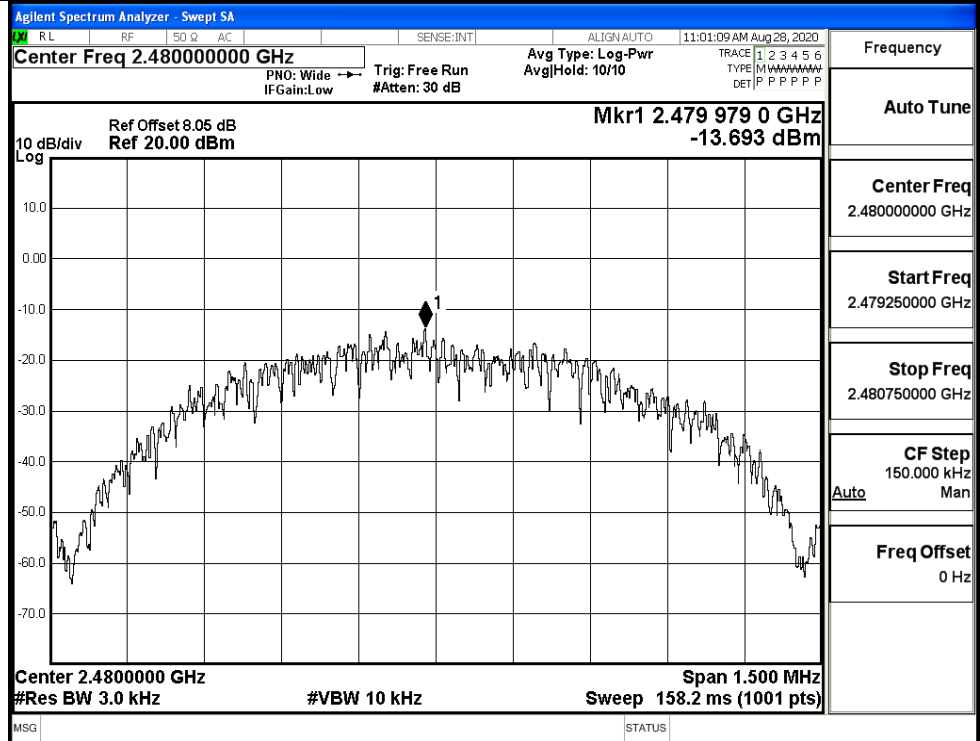


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

HCH

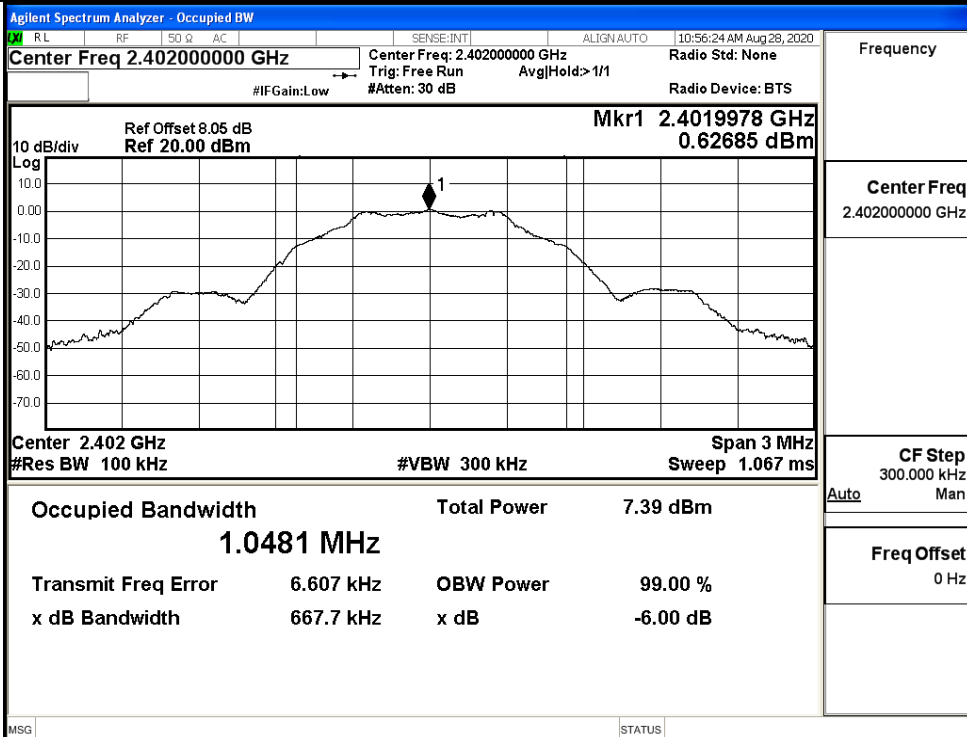


B.4 6dB Bandwidth

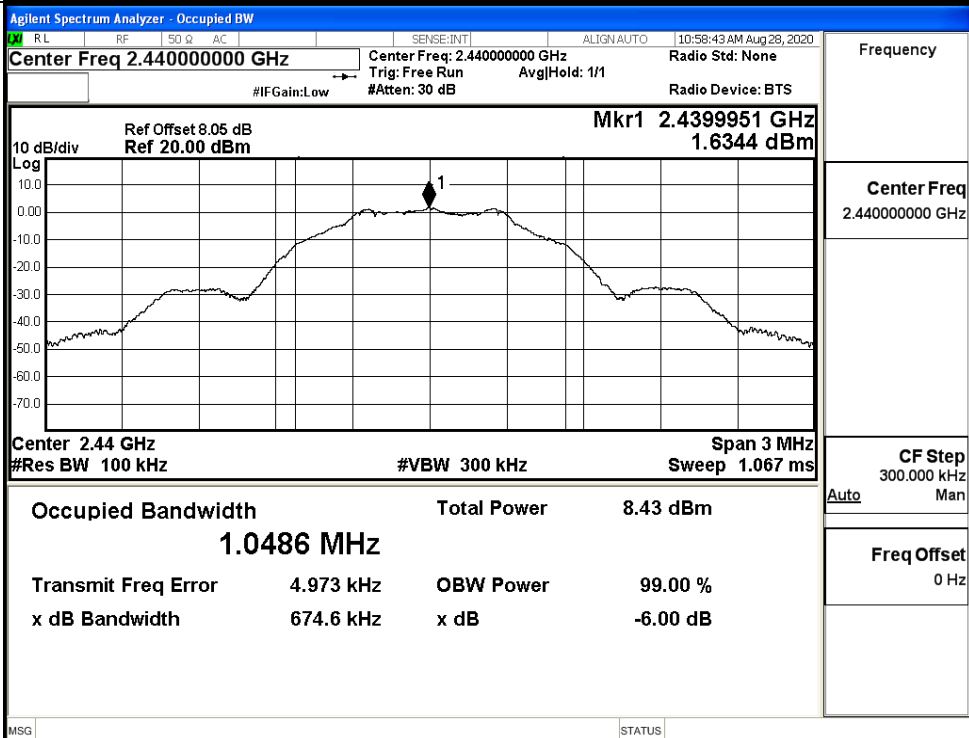
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6677	≥ 0.5	PASS
BT LE	MCH	0.6746	≥ 0.5	PASS
BT LE	HCH	0.6738	≥ 0.5	PASS

Test Graphs

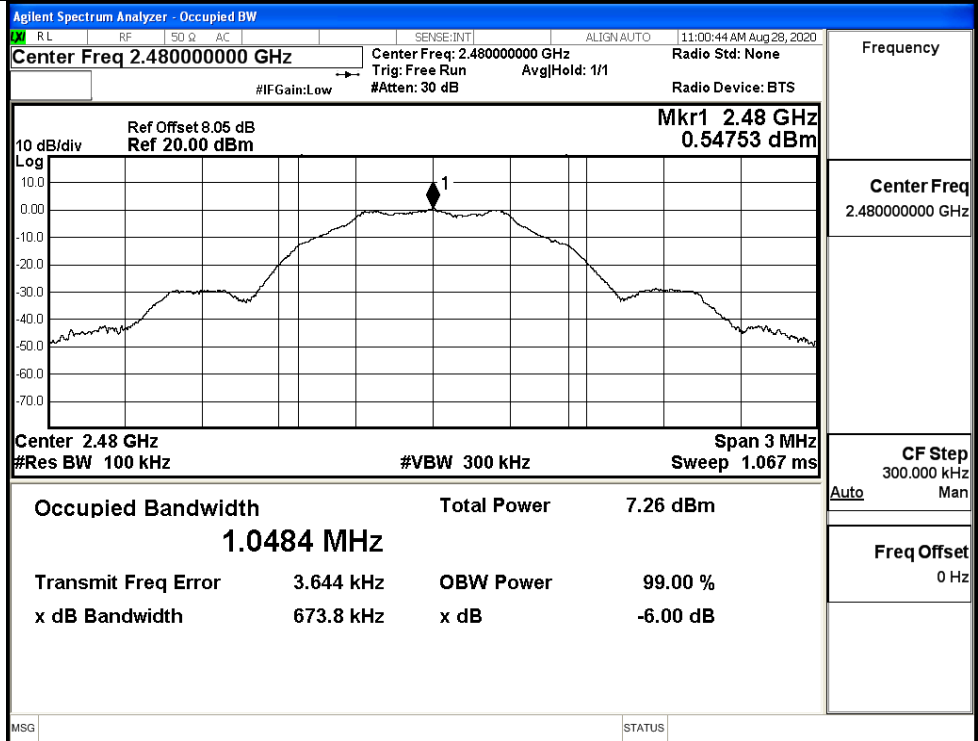
LCH



MCH



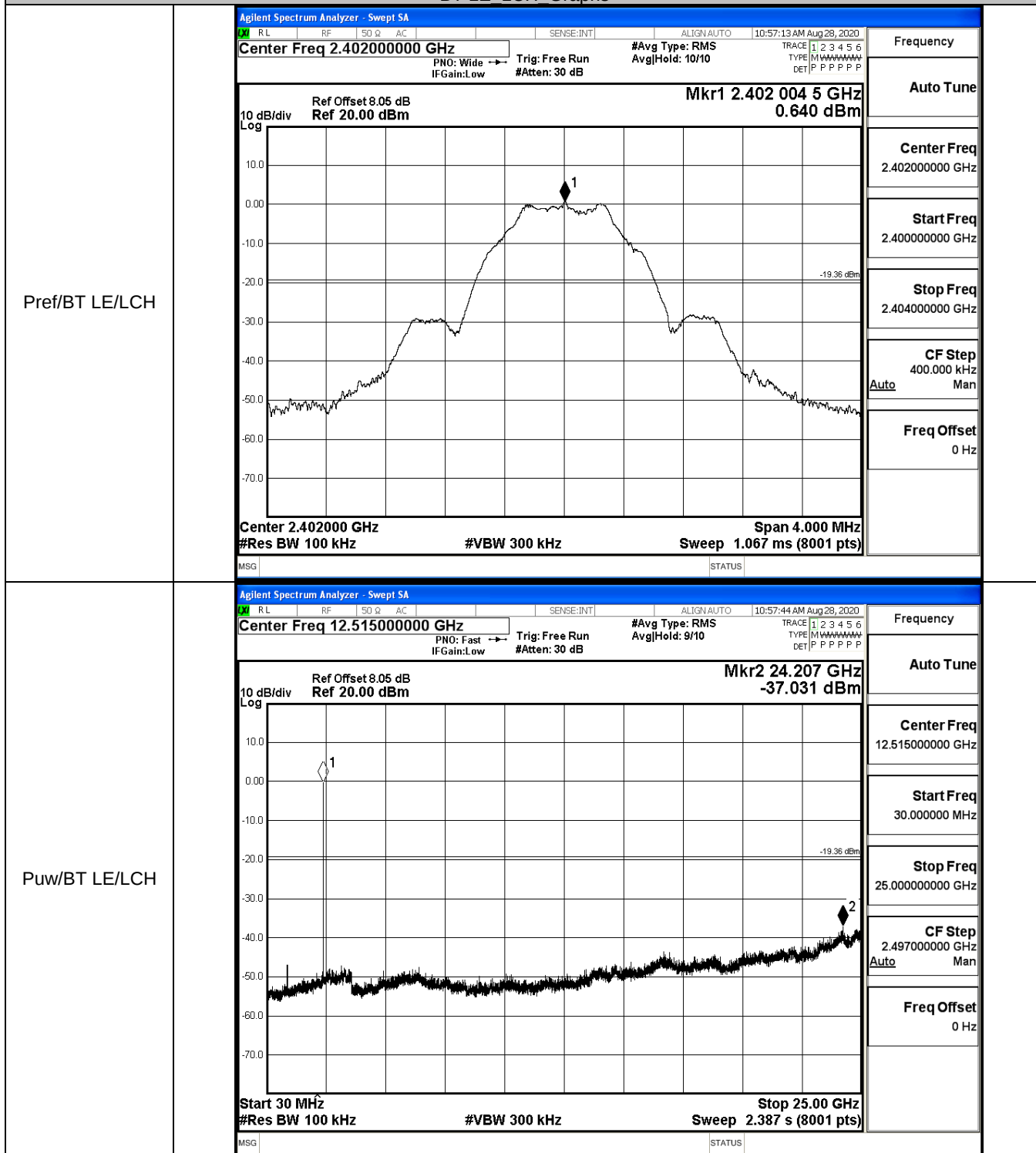
HCH



B.5 RF Conducted Spurious Emissions

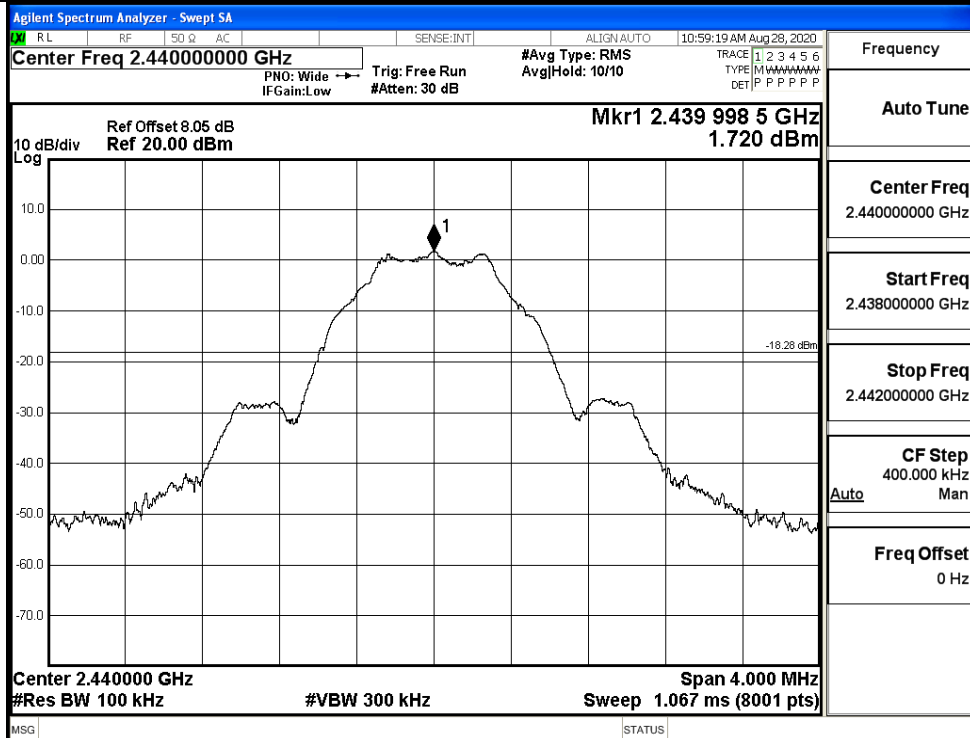
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.64	-37.031	-19.360	PASS
BT LE	MCH	1.72	-37.358	-18.280	PASS
BT LE	HCH	0.57	-37.762	-19.430	PASS

BT LE LCH Graphs

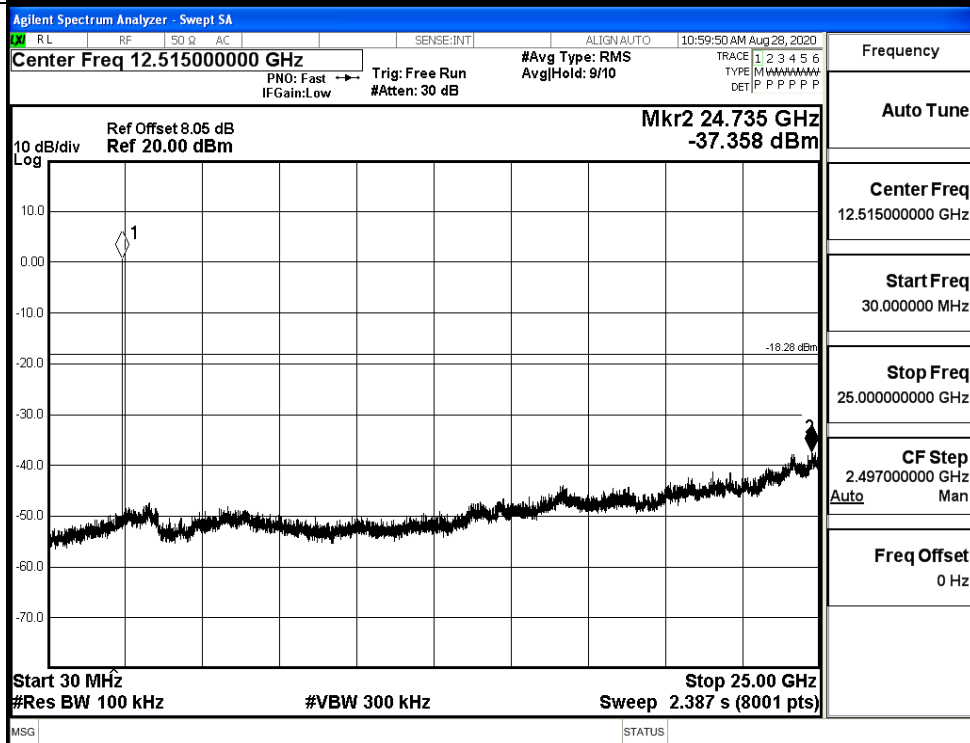


BT LE MCH Graphs

Pref/BT LE/MCH

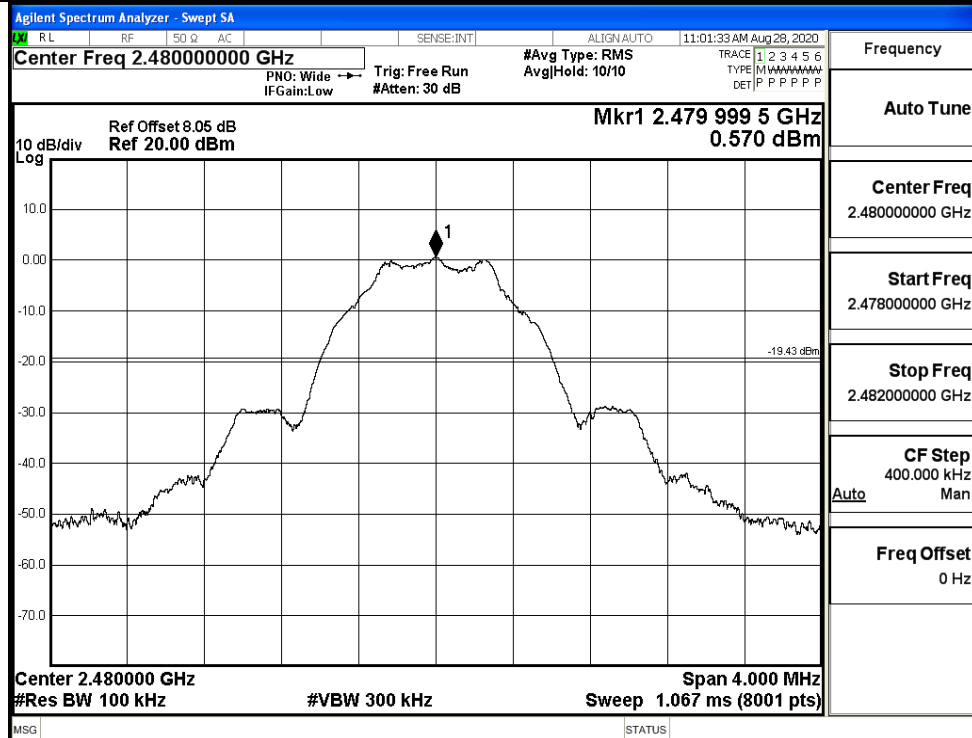


Puw/BT LE/MCH

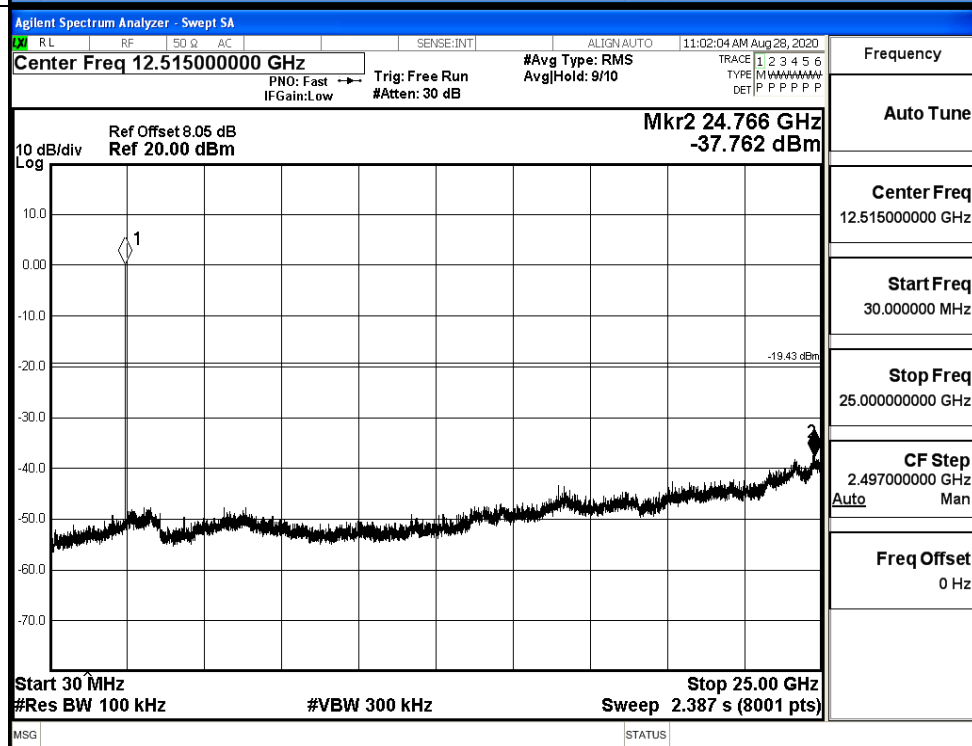


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

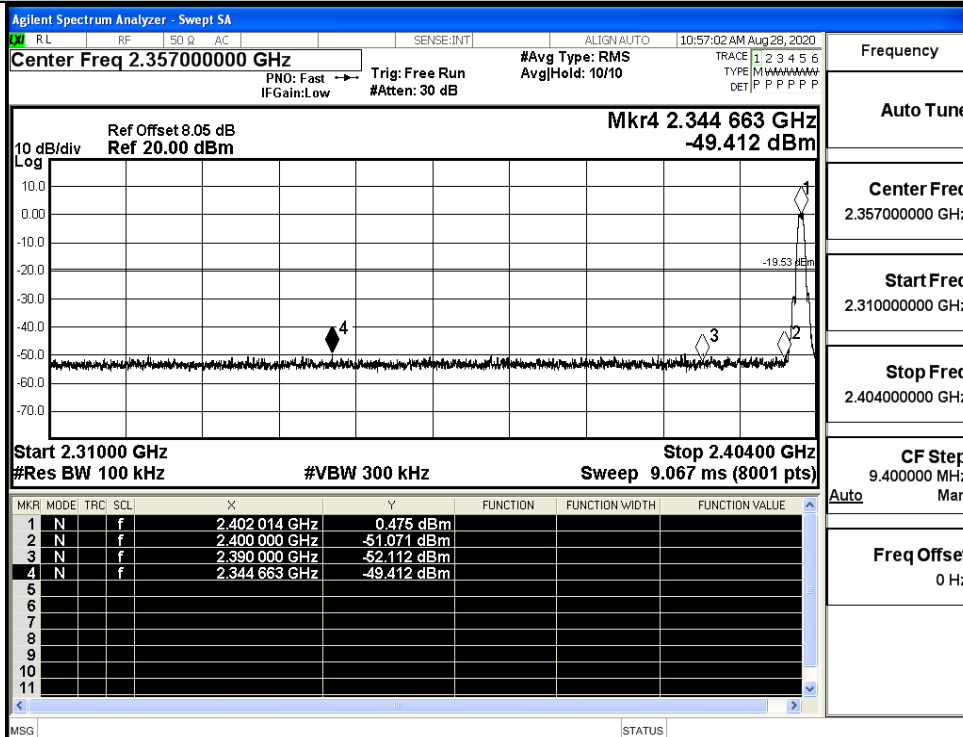


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.475	-49.412	-19.53	PASS
BT LE	HCH	0.694	-49.302	-19.31	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

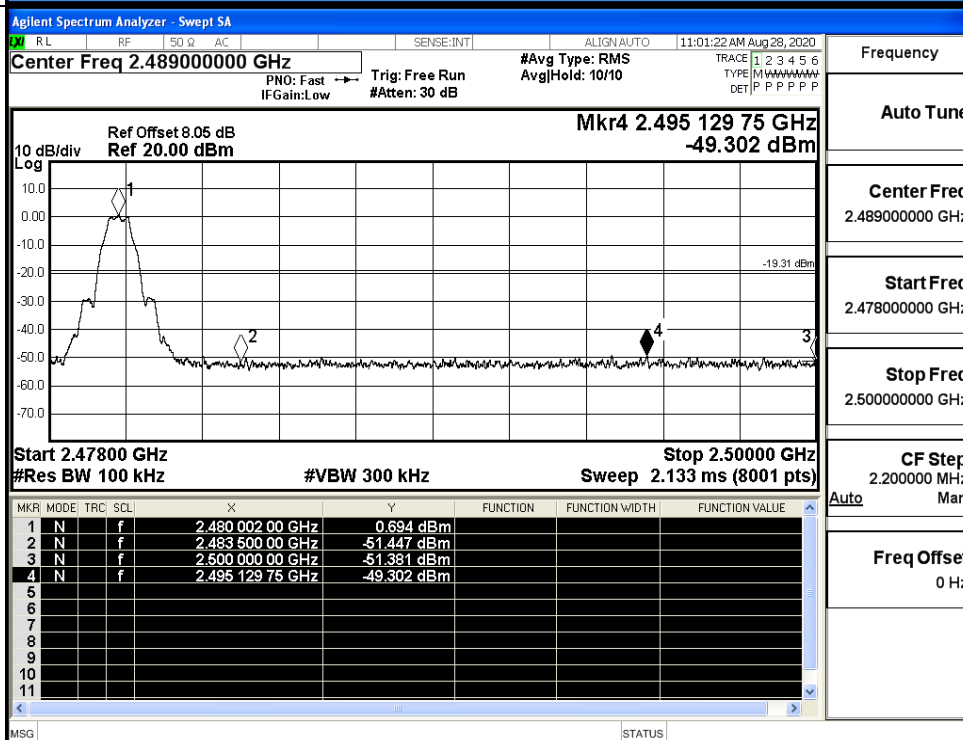
9.400000 MHz

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

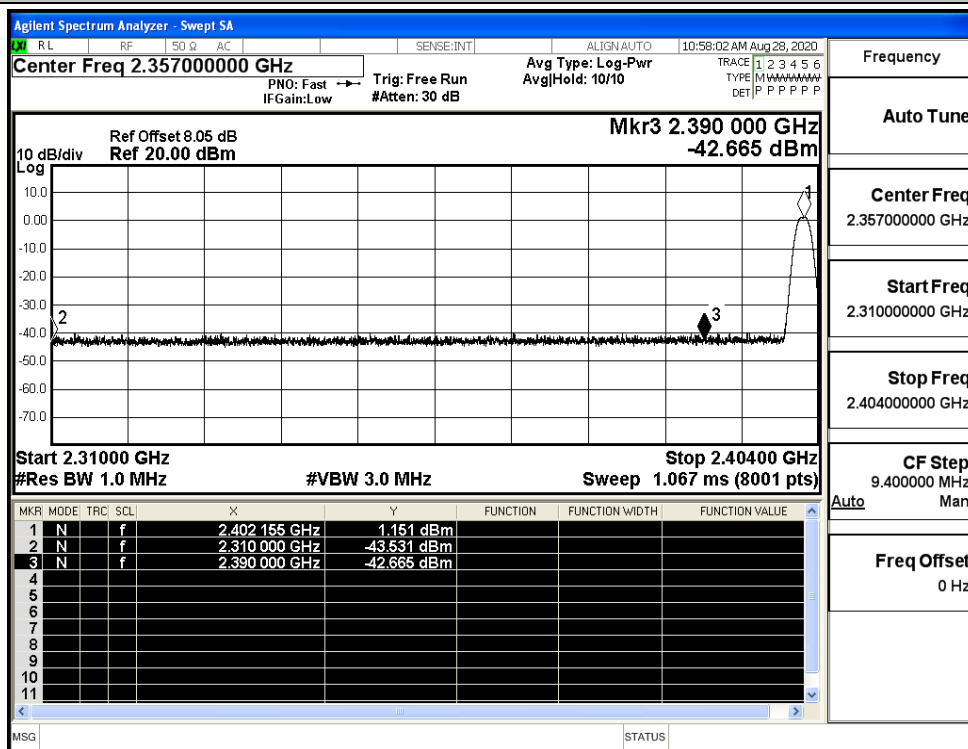
Freq Offset

0 Hz

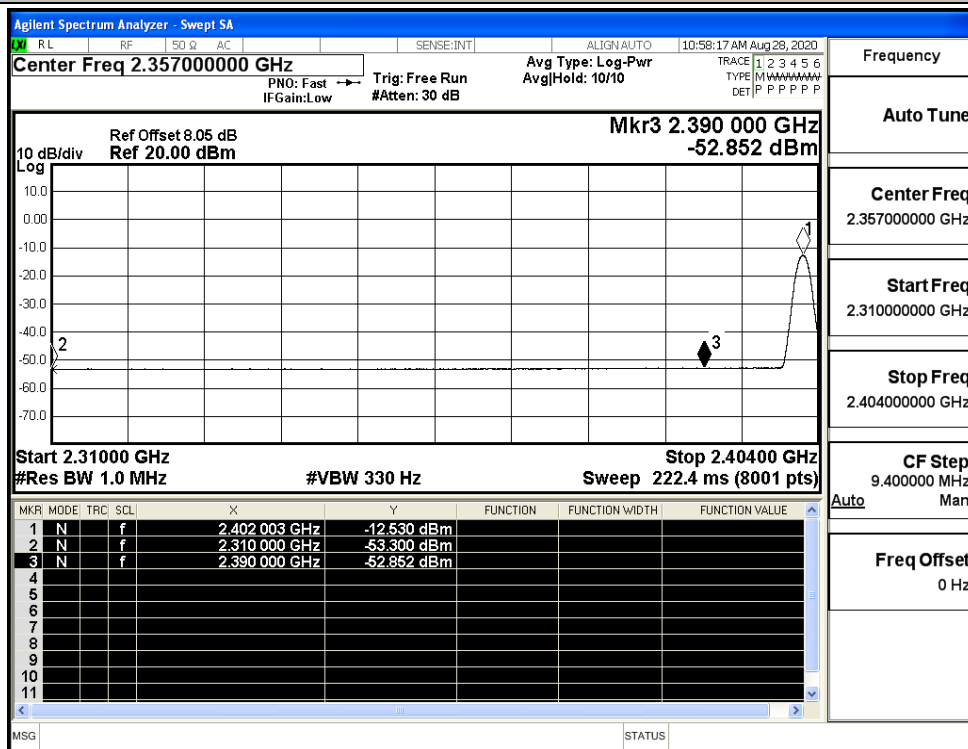
B.7 Restrict-band band-edge measurements

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	-43.53	2.0	0	51.73	PEAK	74	PASS
		Ant1	2310.0	-53.30	2.0	0	41.96	AV	54	PASS
		Ant1	2390.0	-42.67	2.0	0	52.59	PEAK	74	PASS
		Ant1	2390.0	-52.85	2.0	0	42.41	AV	54	PASS
	2480	Ant1	2483.5	-41.74	2.0	0	53.52	PEAK	74	PASS
		Ant1	2483.5	-52.47	2.0	0	42.79	AV	54	PASS
		Ant1	2500.0	-42.35	2.0	0	52.91	PEAK	74	PASS
		Ant1	2500.0	-52.31	2.0	0	42.95	AV	54	PASS

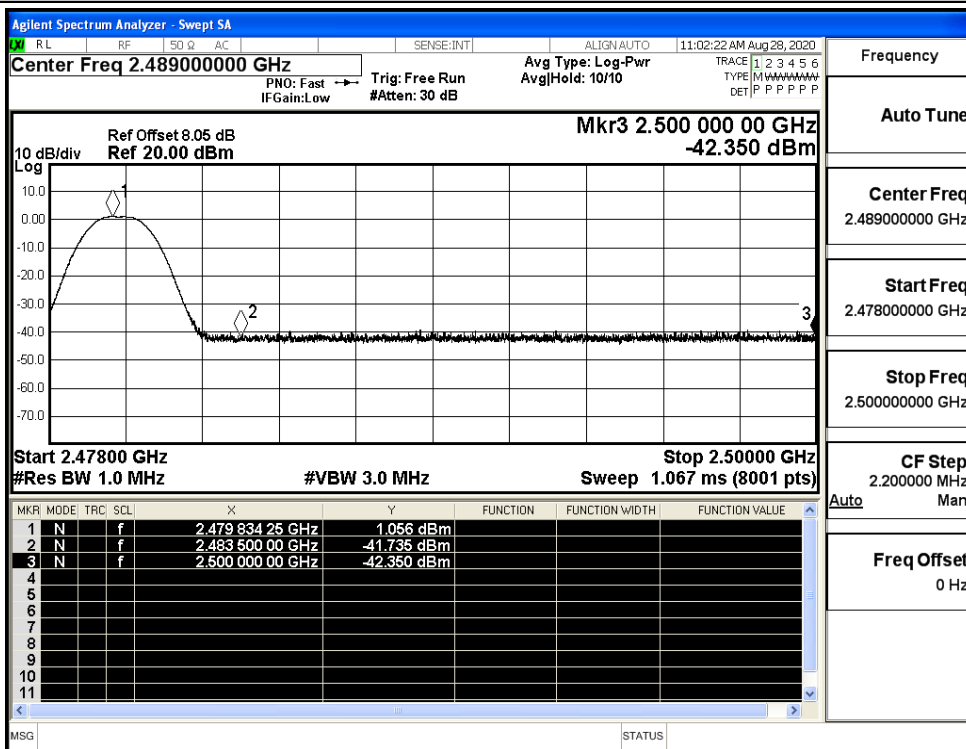
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

