

Appendix B

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

Product Name: 4G PHONE

Trade Mark: KAPSYS

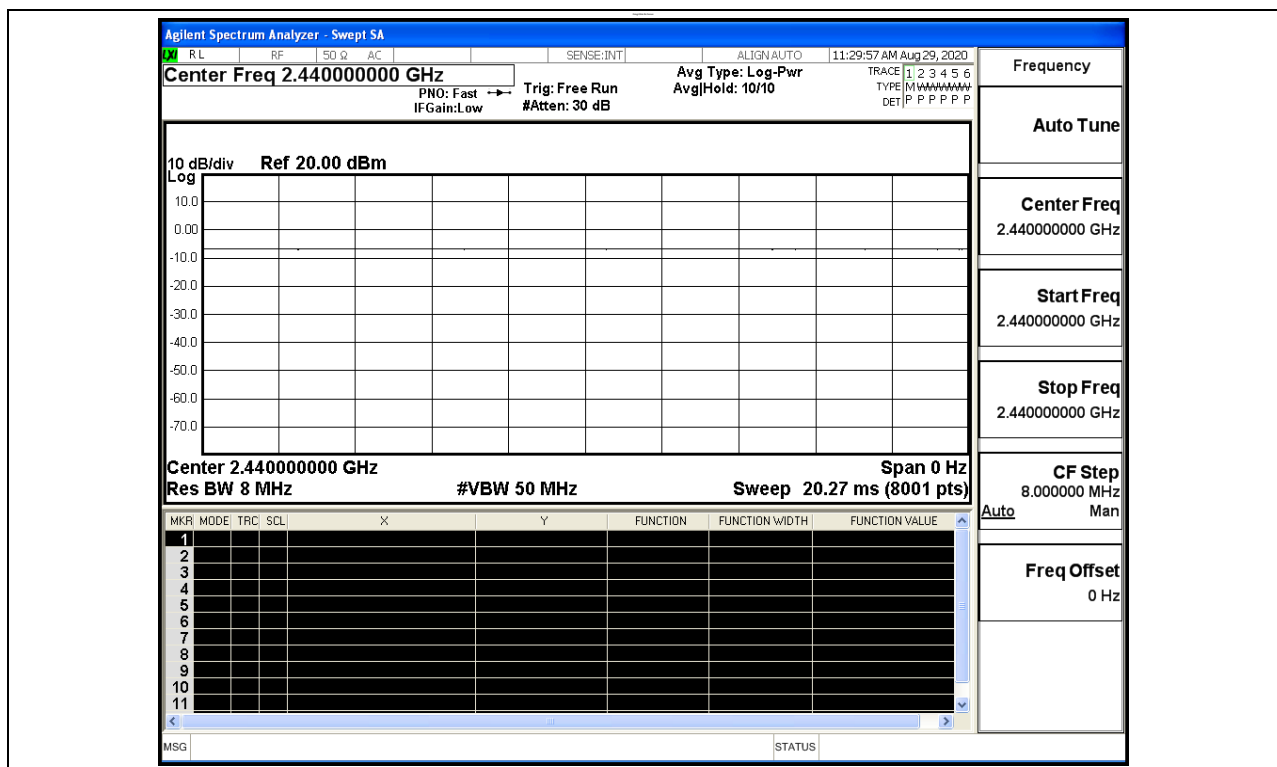
Test Model: MiniVision2

Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

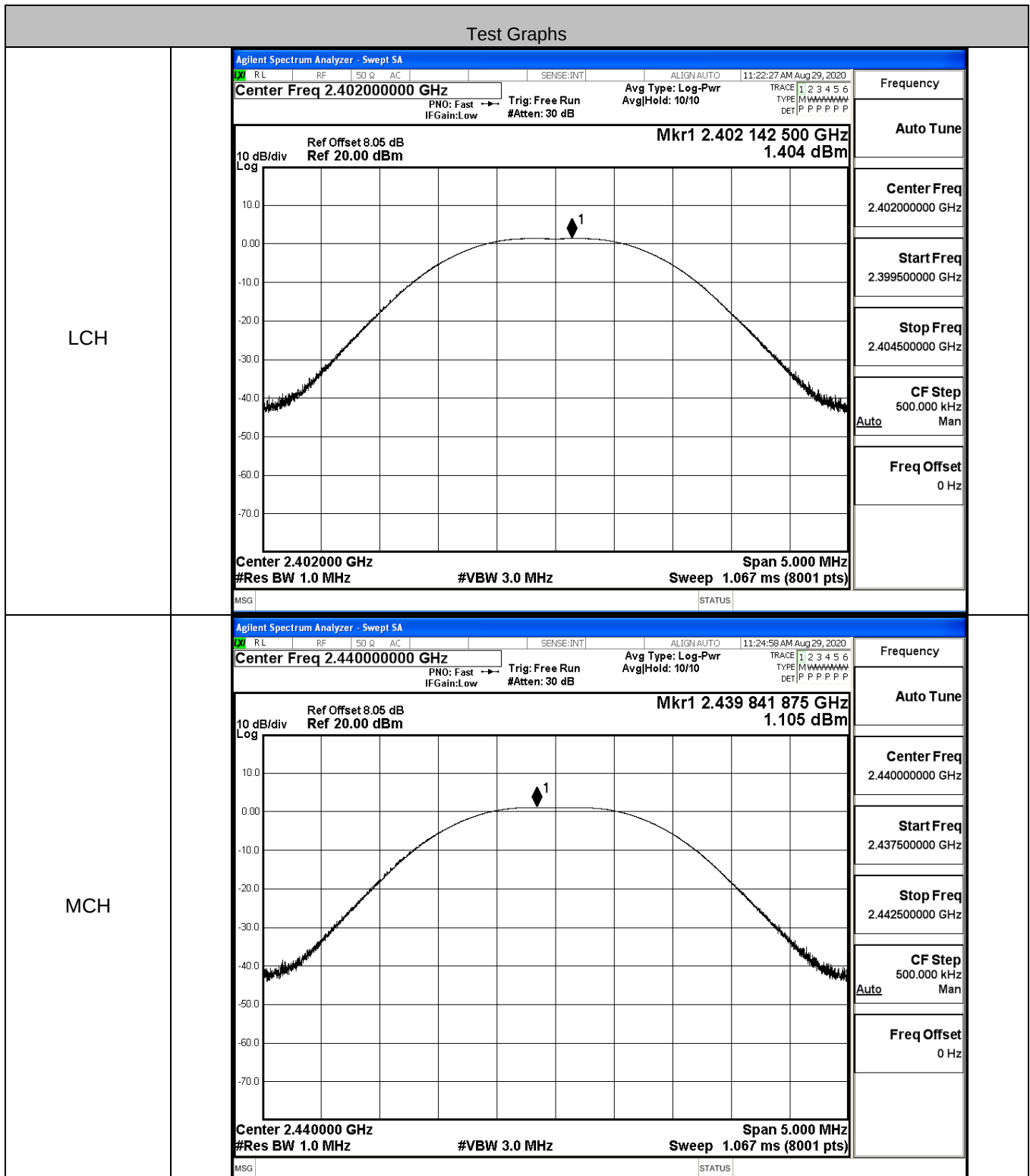
B.1 Duty Cycle

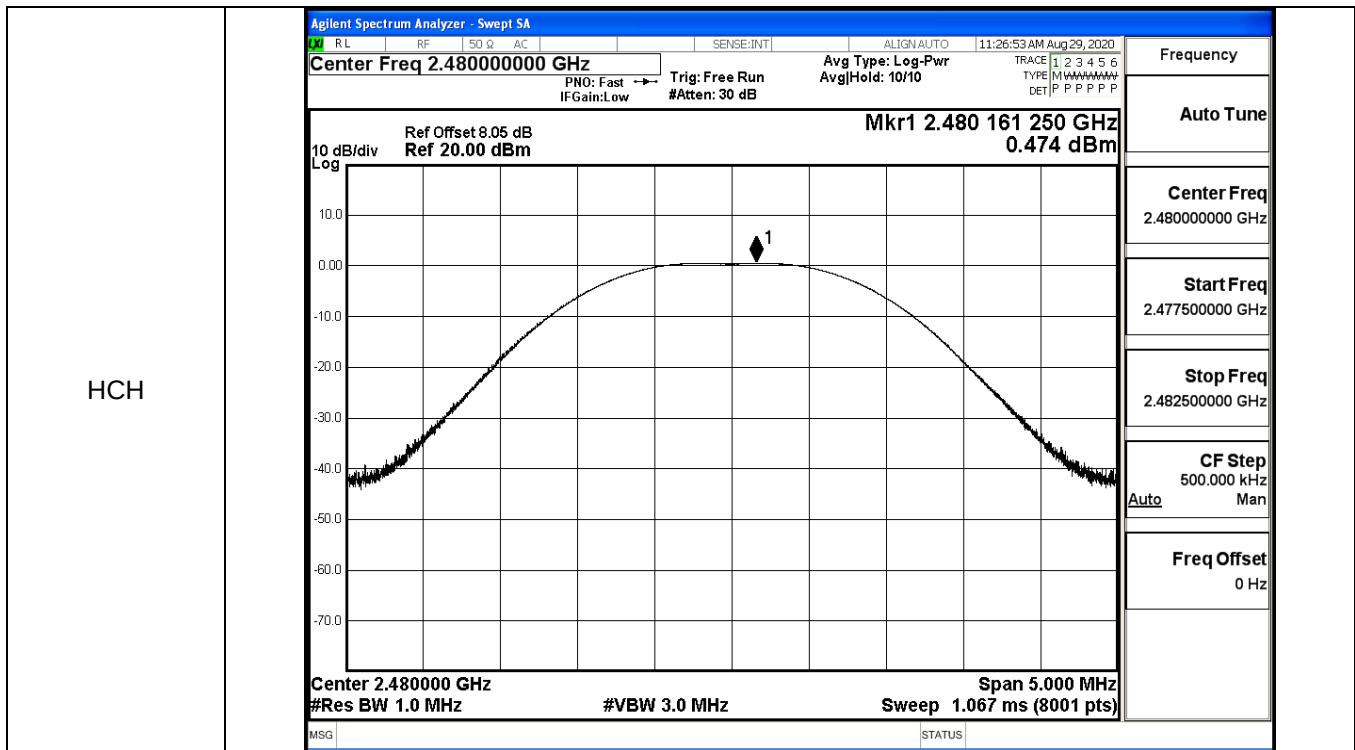
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.404	30	PASS
BT LE	MCH	1.105	30	PASS
BT LE	HCH	0.474	30	PASS



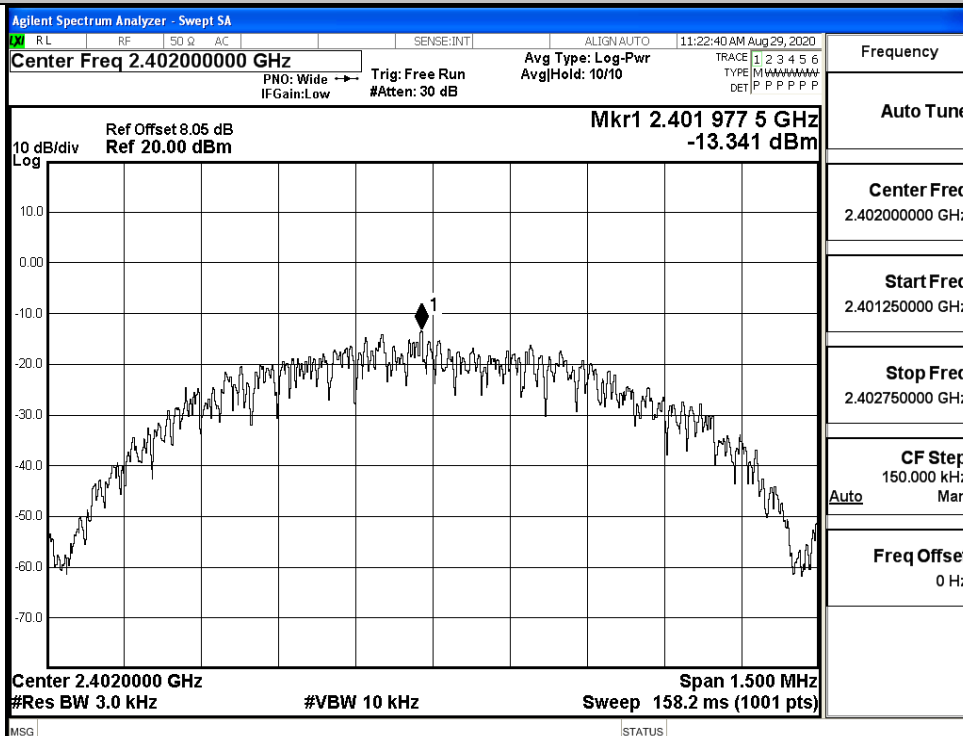


B.3 Maximum Power Spectral Density

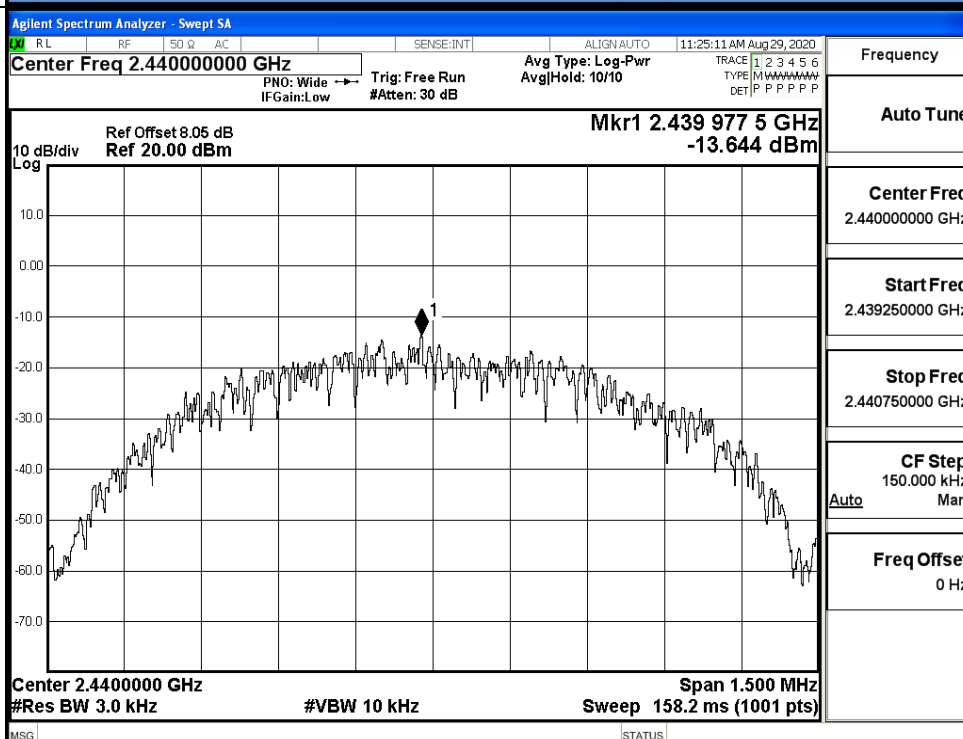
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.341	8	PASS
BT LE	MCH	-13.644	8	PASS
BT LE	HCH	-14.285	8	PASS

Test Graphs

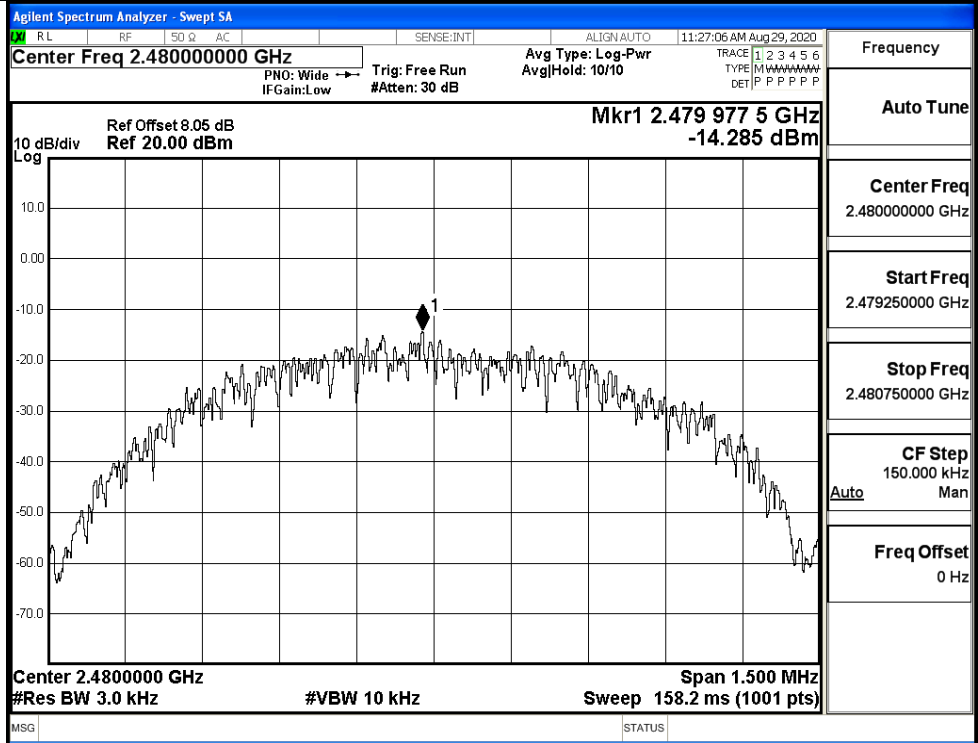
LCH



MCH



HCH

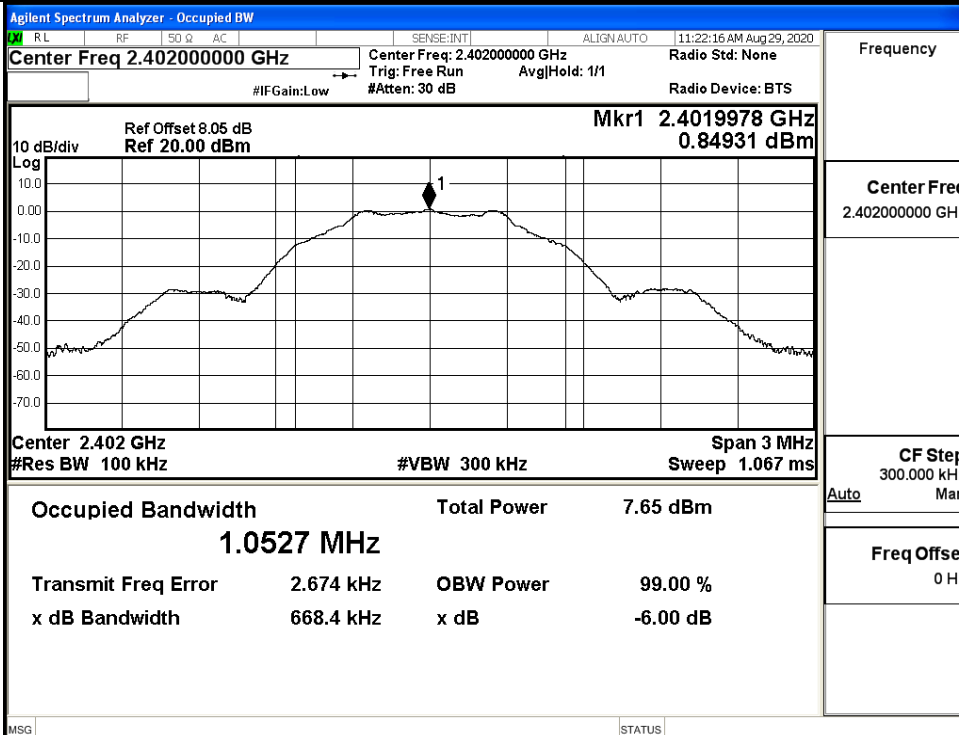


B.4 6dB Bandwidth

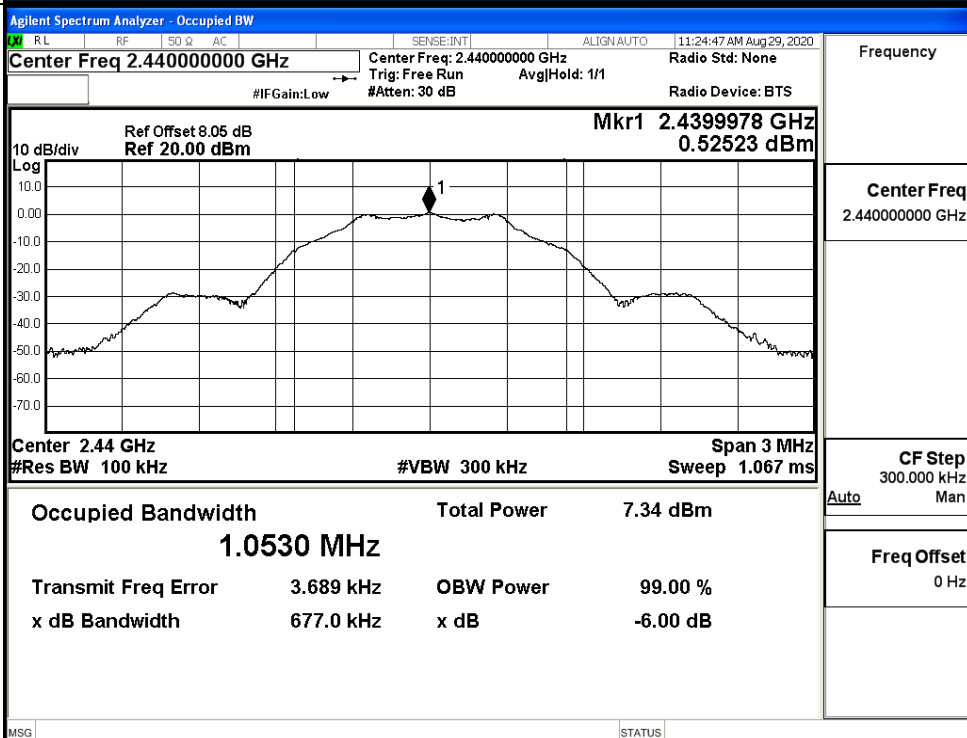
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6684	≥ 0.5	PASS
BT LE	MCH	0.6770	≥ 0.5	PASS
BT LE	HCH	0.6718	≥ 0.5	PASS

Test Graphs

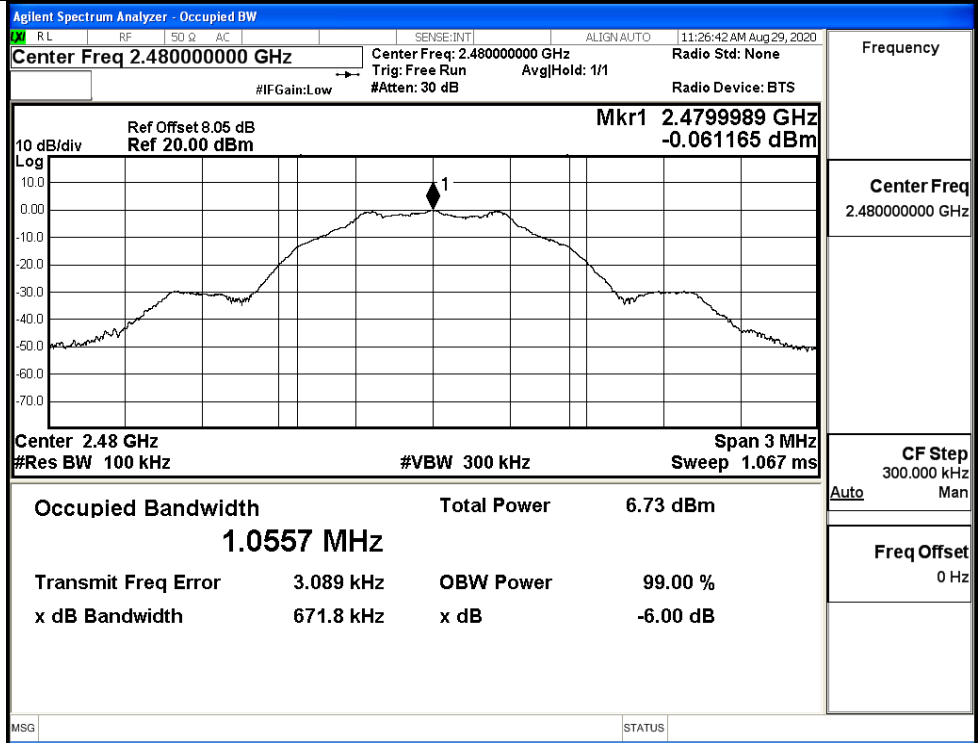
LCH



MCH

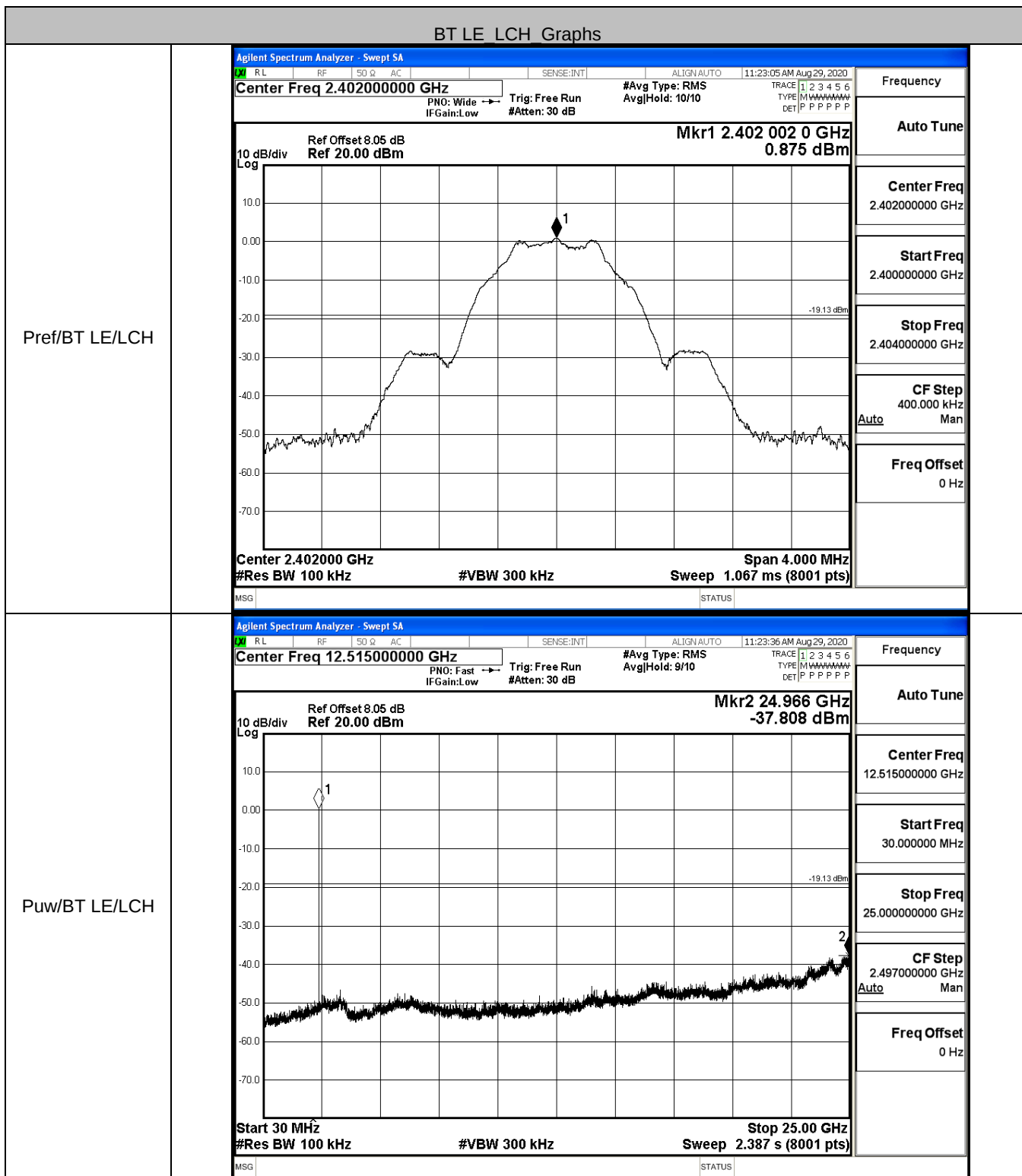


HCH



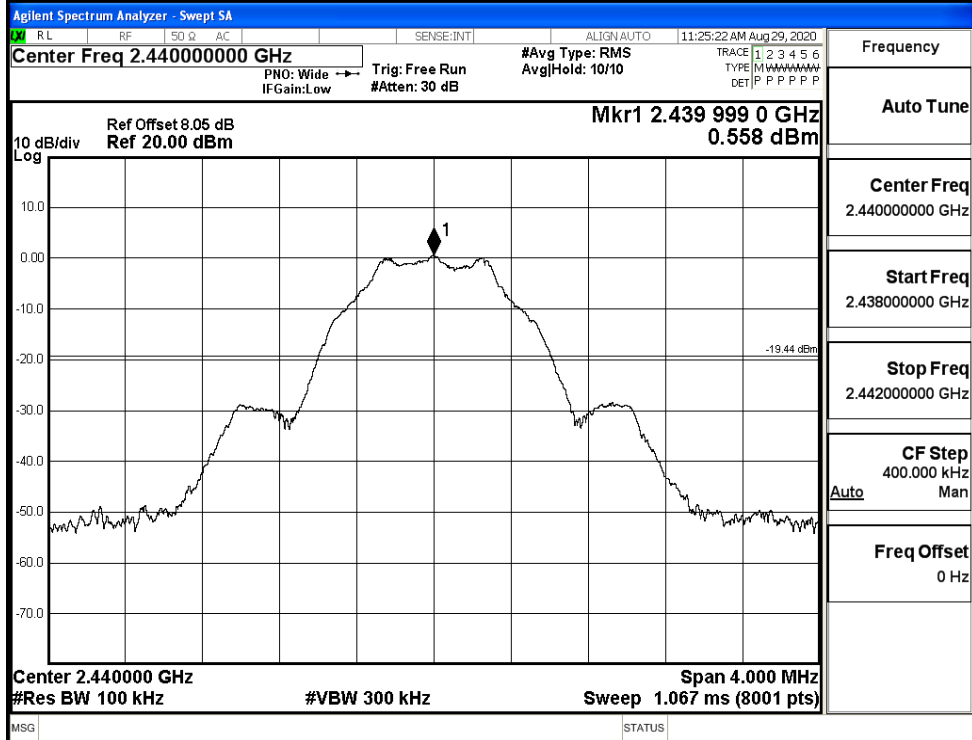
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.875	-37.808	-19.125	PASS
BT LE	MCH	0.558	-36.989	-19.442	PASS
BT LE	HCH	-0.057	-37.020	-20.057	PASS

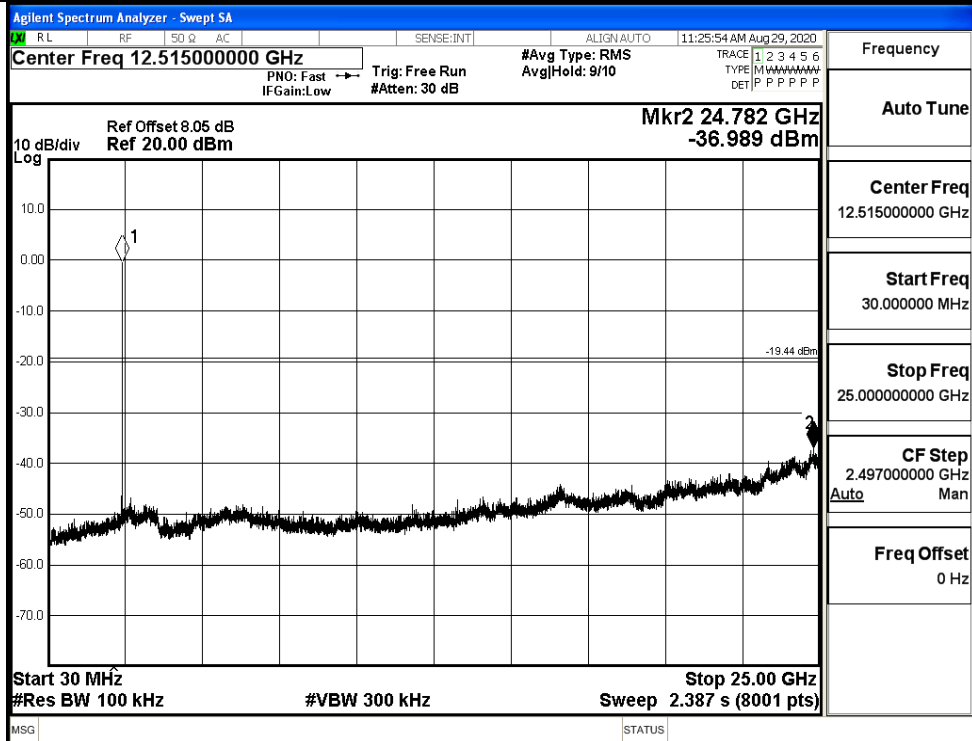


BT LE MCH Graphs

Pref/BT LE/MCH

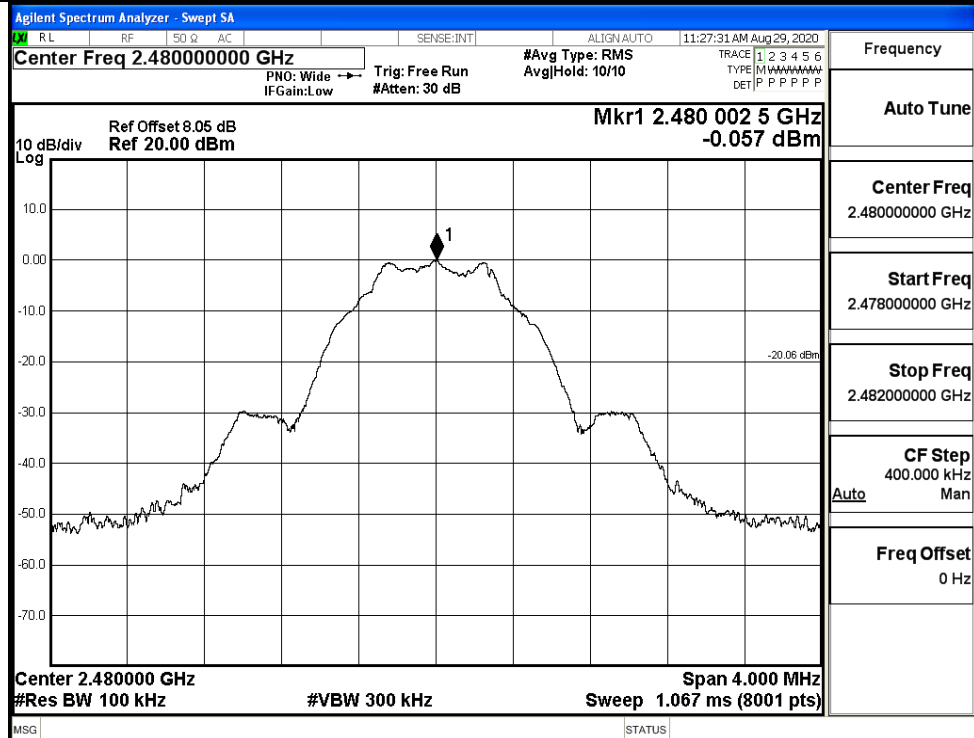


Puw/BT LE/MCH

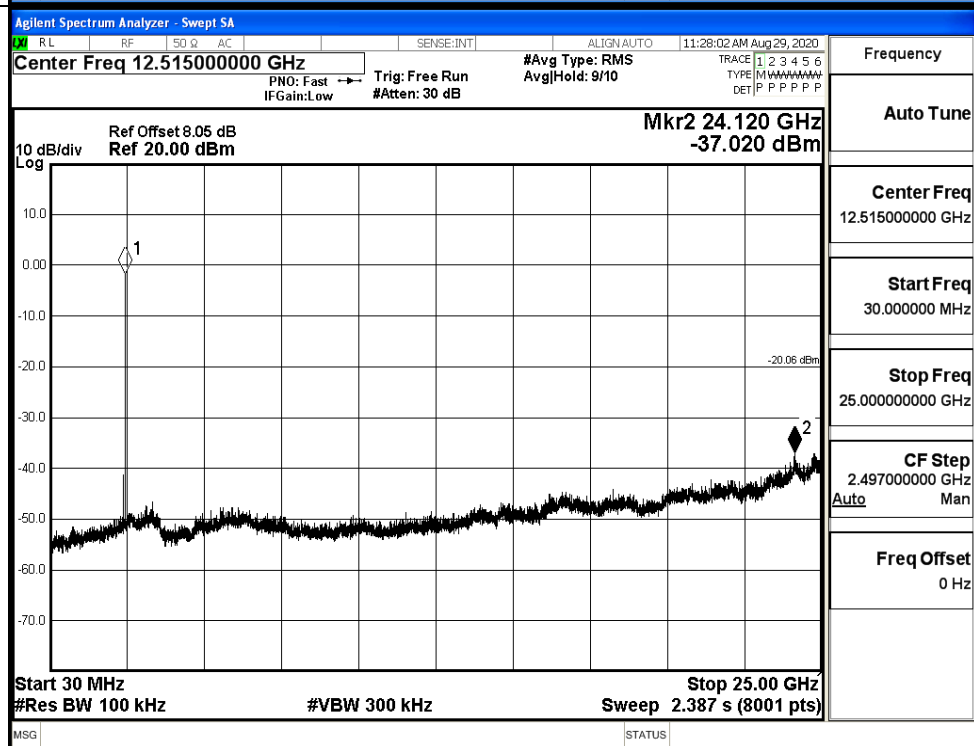


BT LE HCH Graphs

Pref/BT LE/HCH



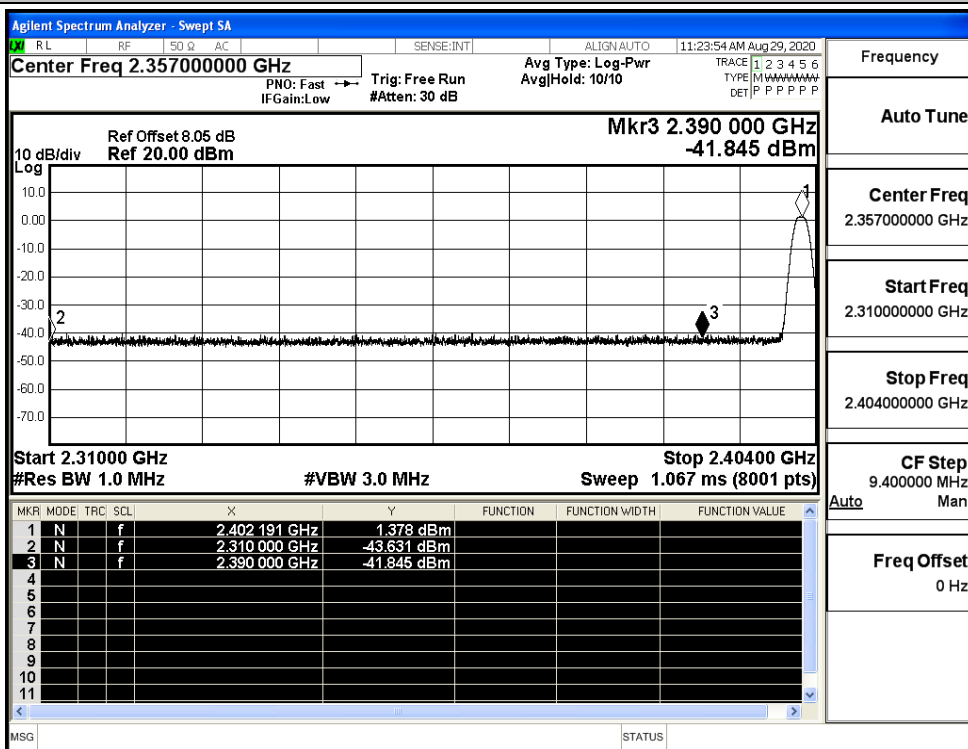
Puw/BT LE/HCH



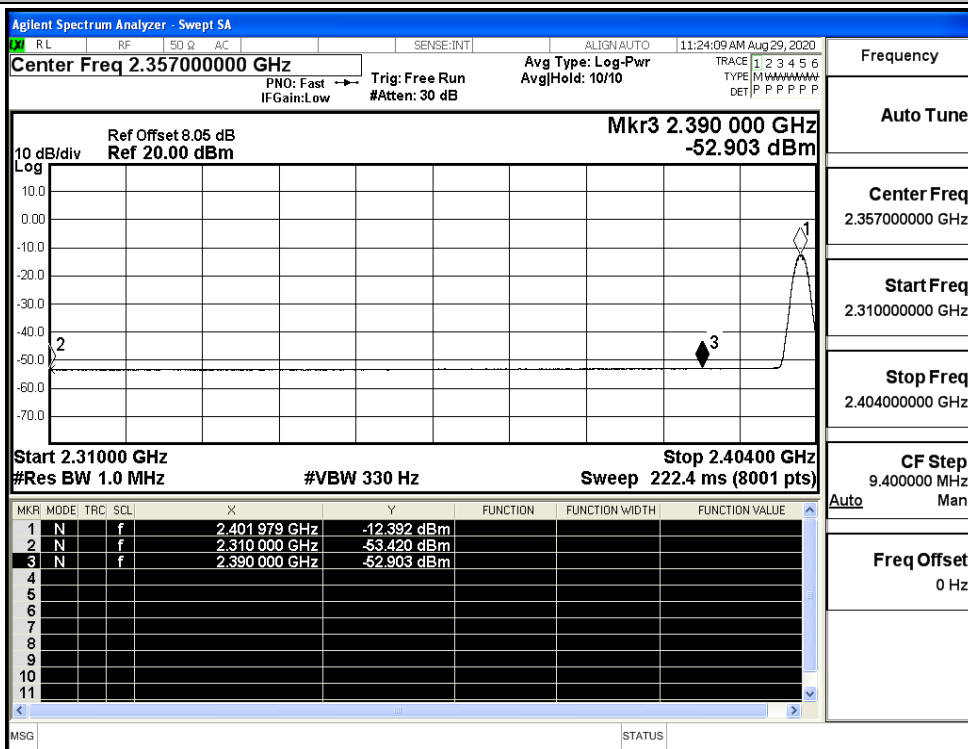
B.7 Restrict-band band-edge measurements

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	-43.63	2.0	0	53.60	PEAK	74	PASS
		Ant1	2310.0	-53.42	2.0	0	43.81	AV	54	PASS
		Ant1	2390.0	-41.85	2.0	0	55.38	PEAK	74	PASS
		Ant1	2390.0	-52.90	2.0	0	44.33	AV	54	PASS
	2480	Ant1	2483.5	-42.53	2.0	0	54.70	PEAK	74	PASS
		Ant1	2483.5	-52.56	2.0	0	44.67	AV	54	PASS
		Ant1	2500.0	-42.42	2.0	0	54.81	PEAK	74	PASS
		Ant1	2500.0	-52.36	2.0	0	44.87	AV	54	PASS

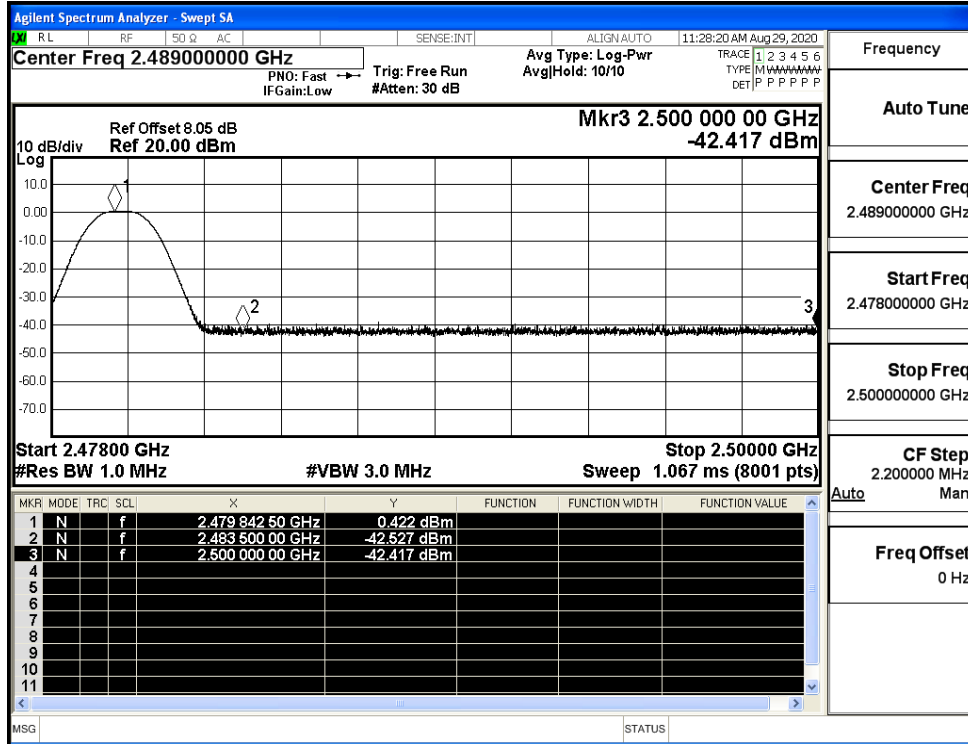
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

