

Appendix B

RF Test Data for BT V4.0(BT LE) (Conducted Measurement)

Product Name: 4G dash Camera

Trade Mark: N/A

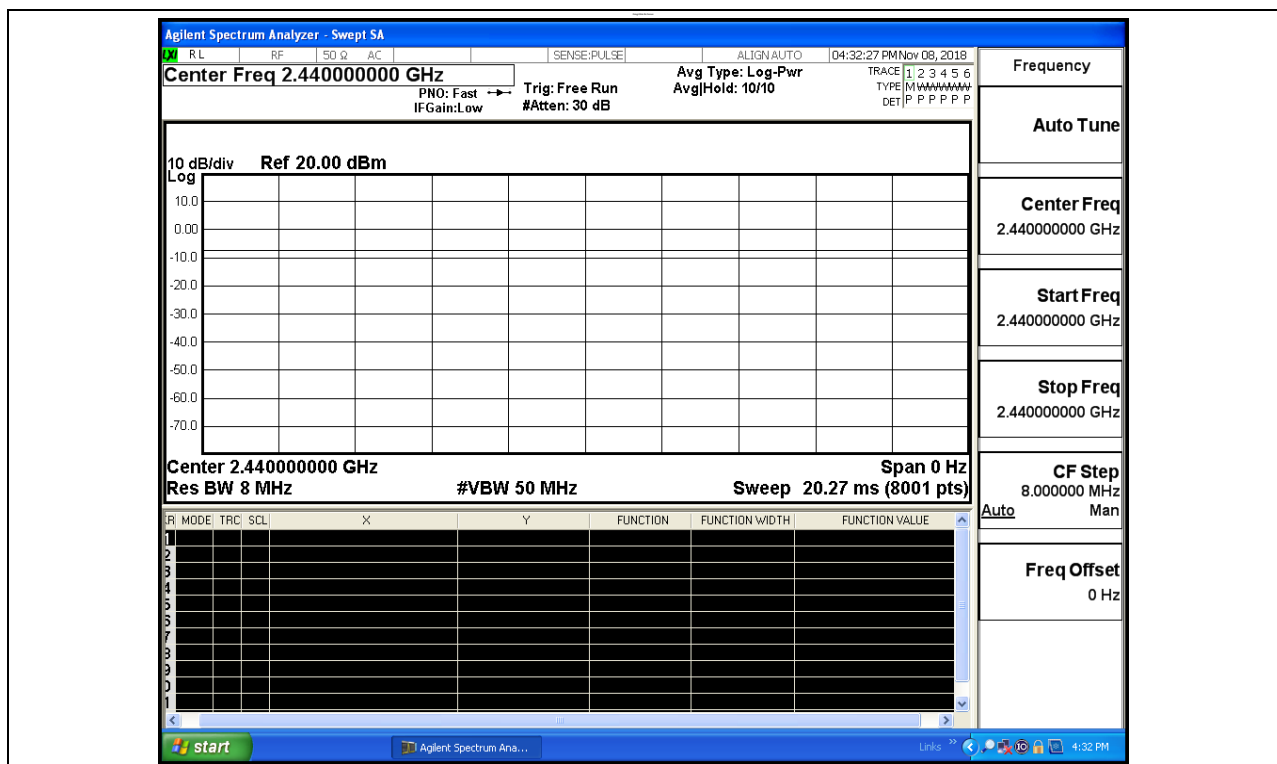
Test Model: ES-D4

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.Xu
Supervised by:	Jayden.Zhuo

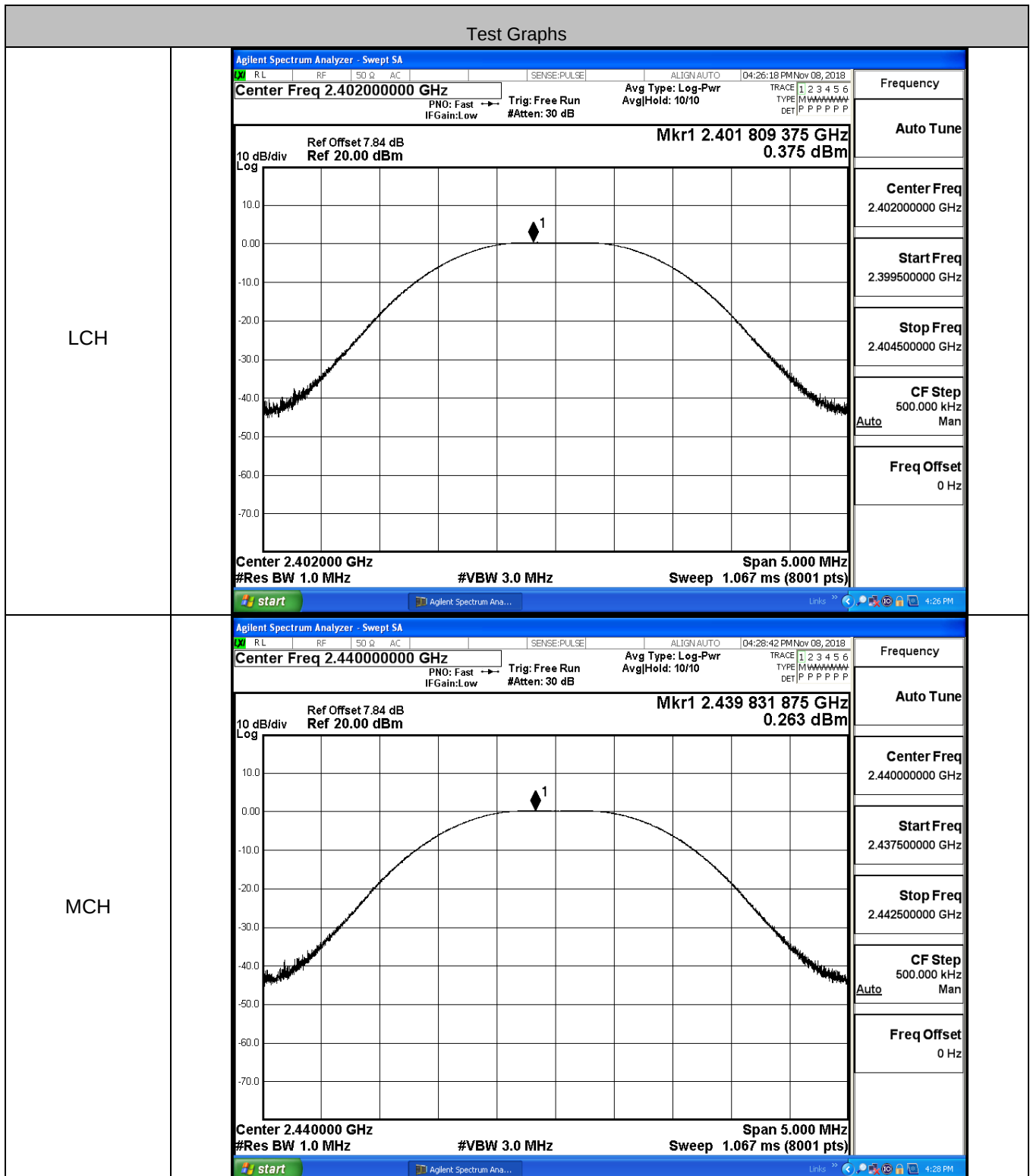
B.1 Duty Cycle

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

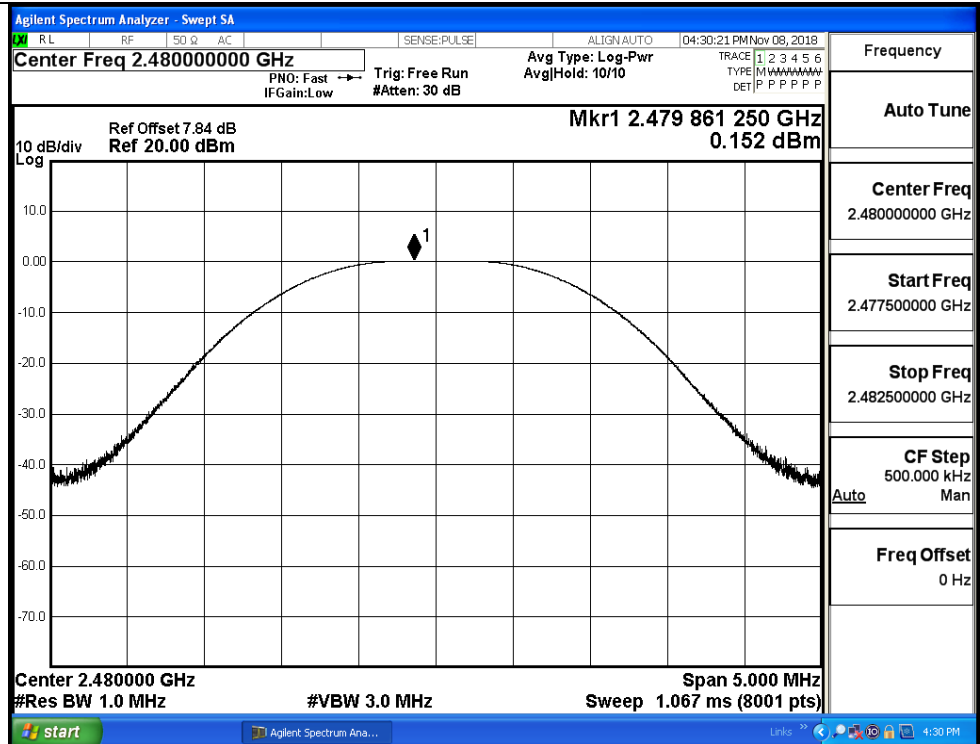


B.2 Maximum Conducted Output Power

Mode	Channel	Conduct Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.375	30	PASS
BT LE	MCH	0.263	30	PASS
BT LE	HCH	0.152	30	PASS



HCH

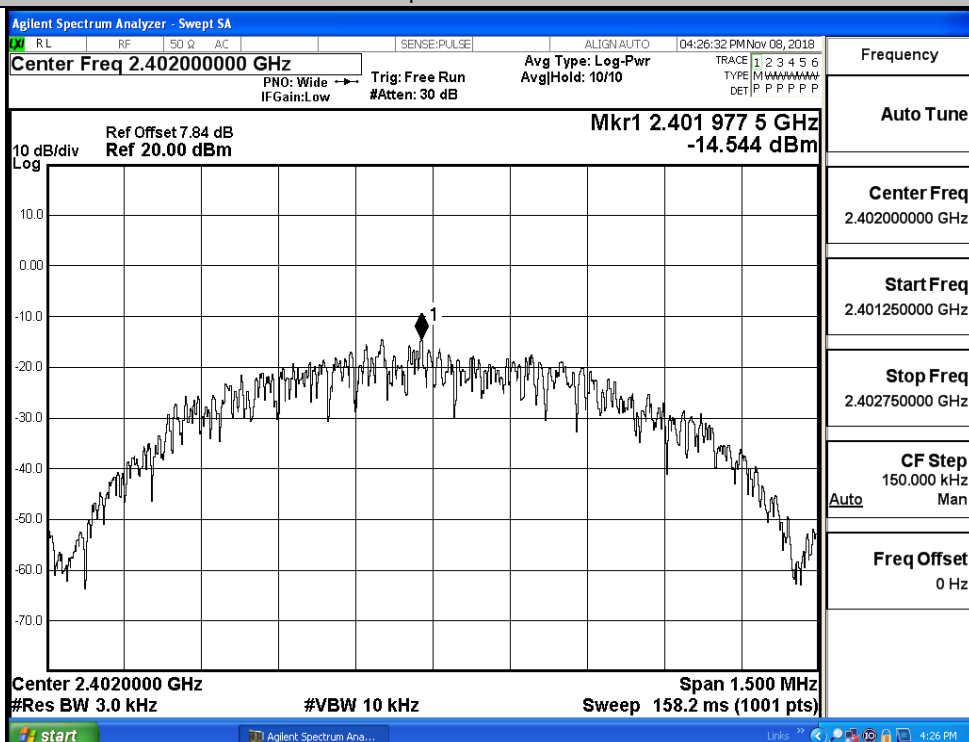


B.3 Maximum Power Spectral Density

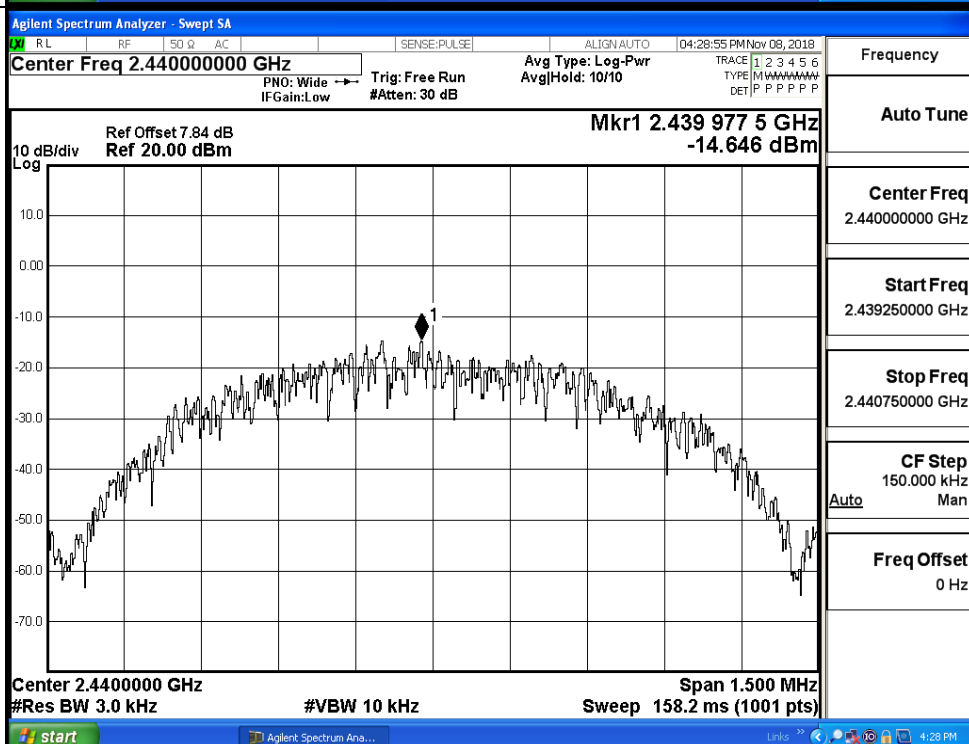
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.544	8	PASS
BT LE	MCH	-14.646	8	PASS
BT LE	HCH	-14.749	8	PASS

Test Graphs

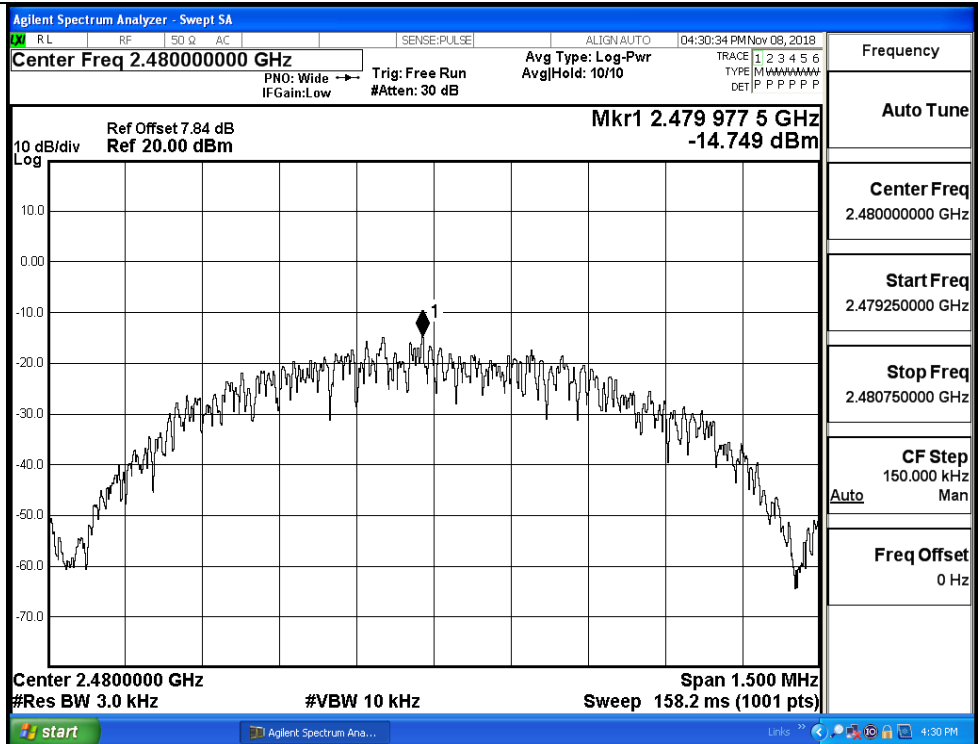
LCH



MCH



HCH

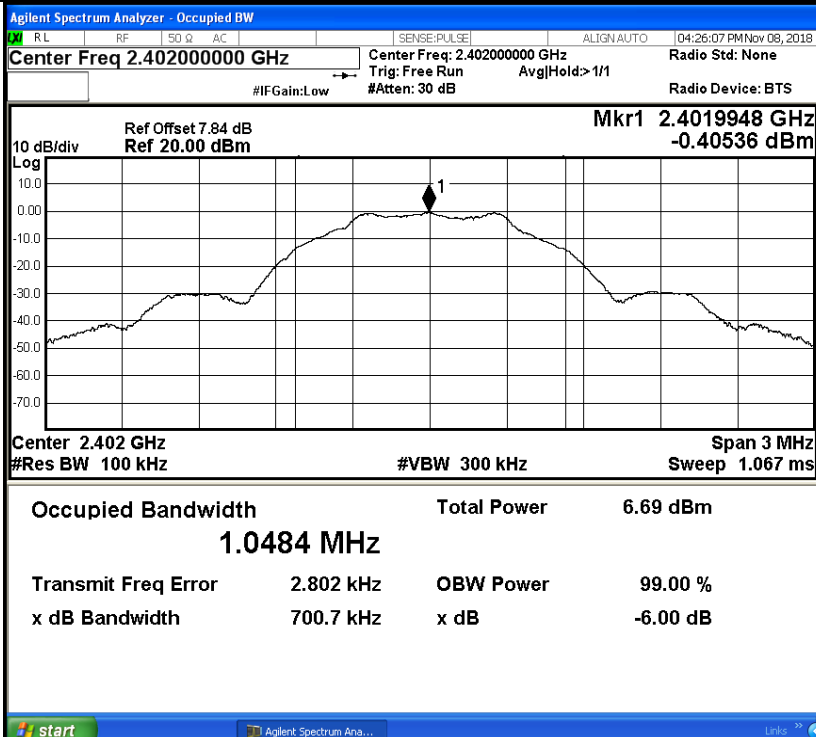


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7007	≥ 0.5	PASS
BT LE	MCH	0.6984	≥ 0.5	PASS
BT LE	HCH	0.6957	≥ 0.5	PASS

Test Graphs

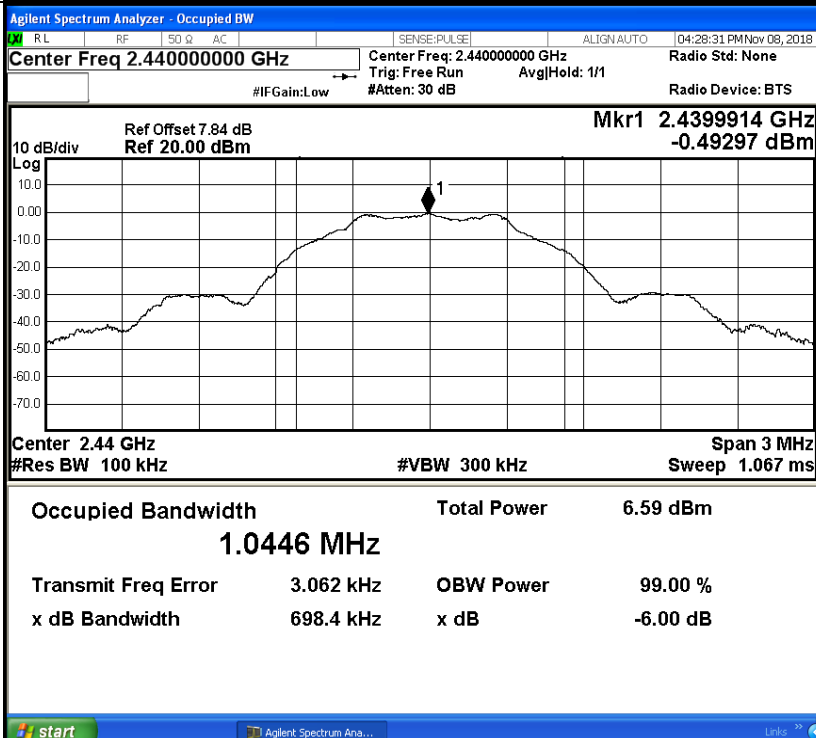
LCH



Frequency

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

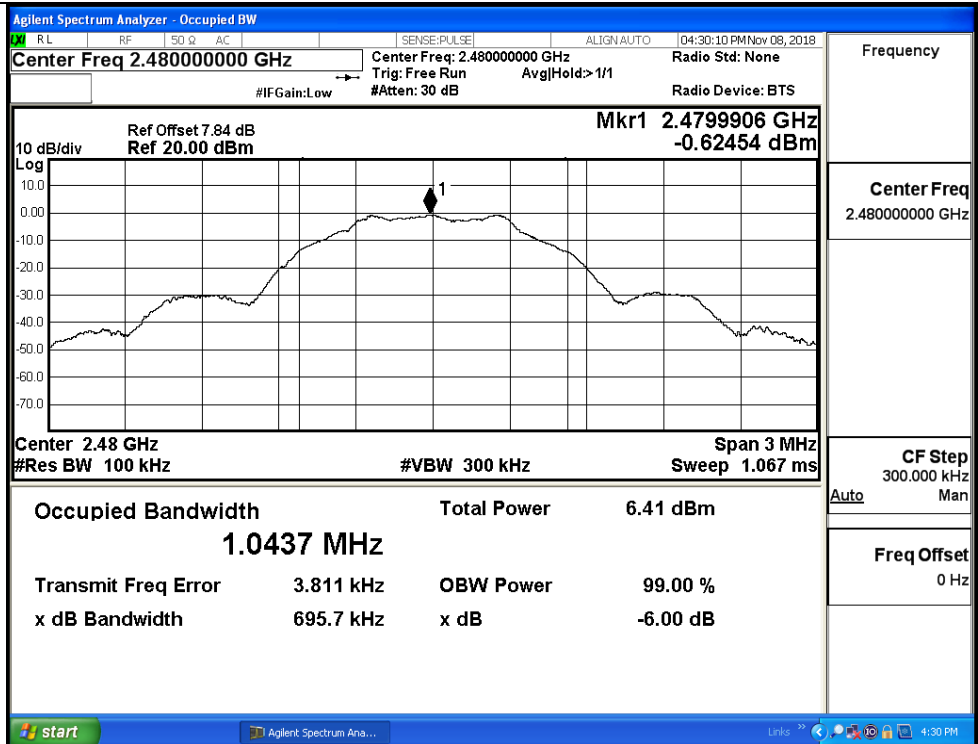
MCH



Frequency

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

HCH

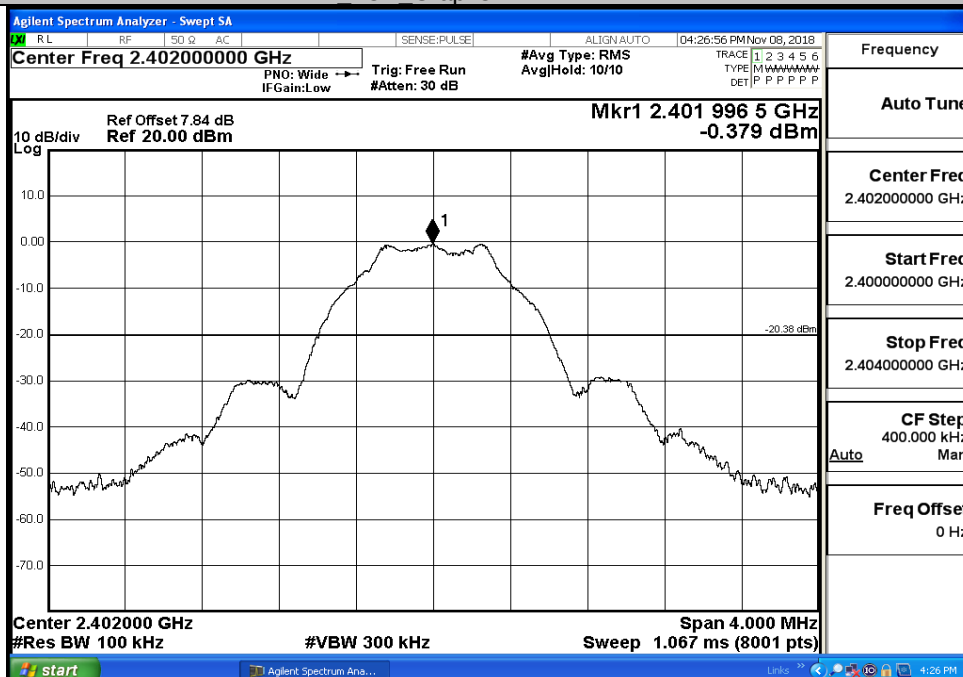


B.5 RF Conducted Spurious Emissions

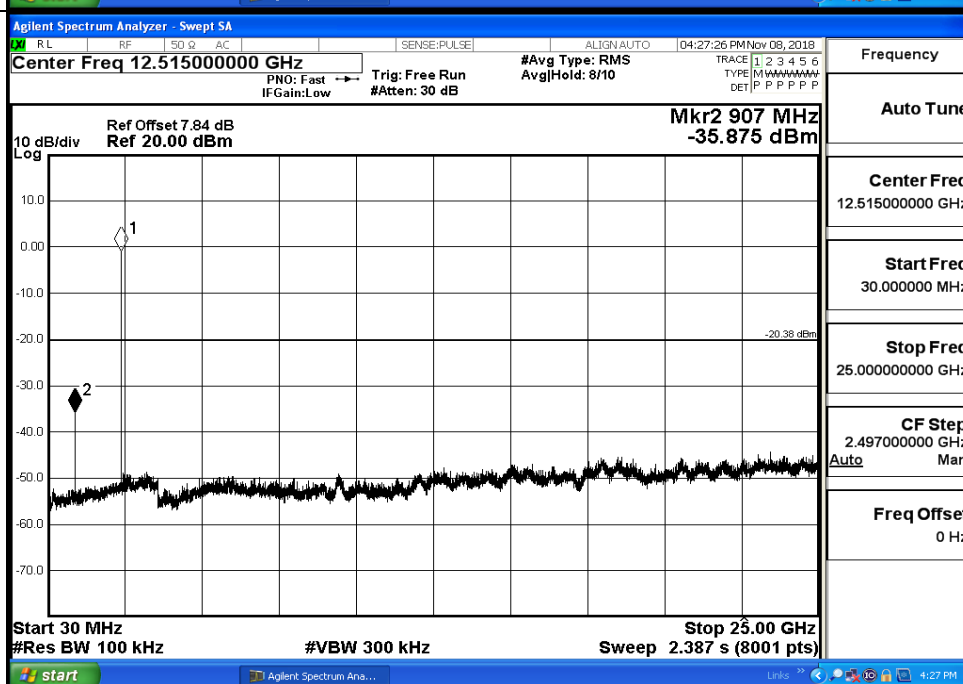
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.379	-35.875	-20.379	PASS
BT LE	MCH	-0.659	-44.543	-20.659	PASS
BT LE	HCH	-0.577	-44.572	-20.577	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

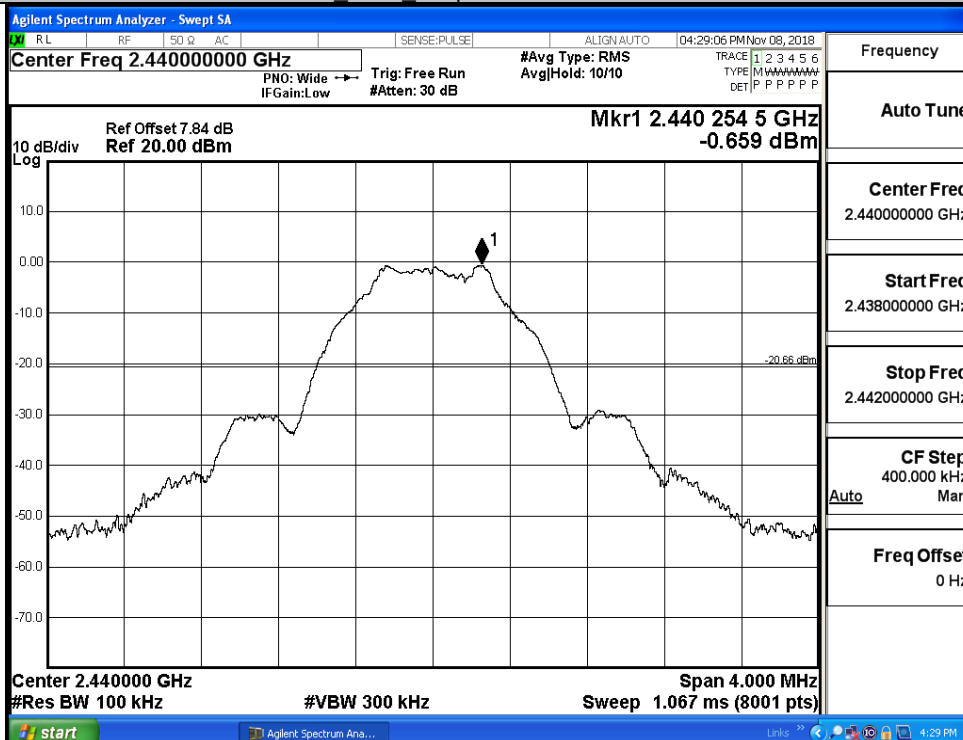


Puw/BT LE/LCH

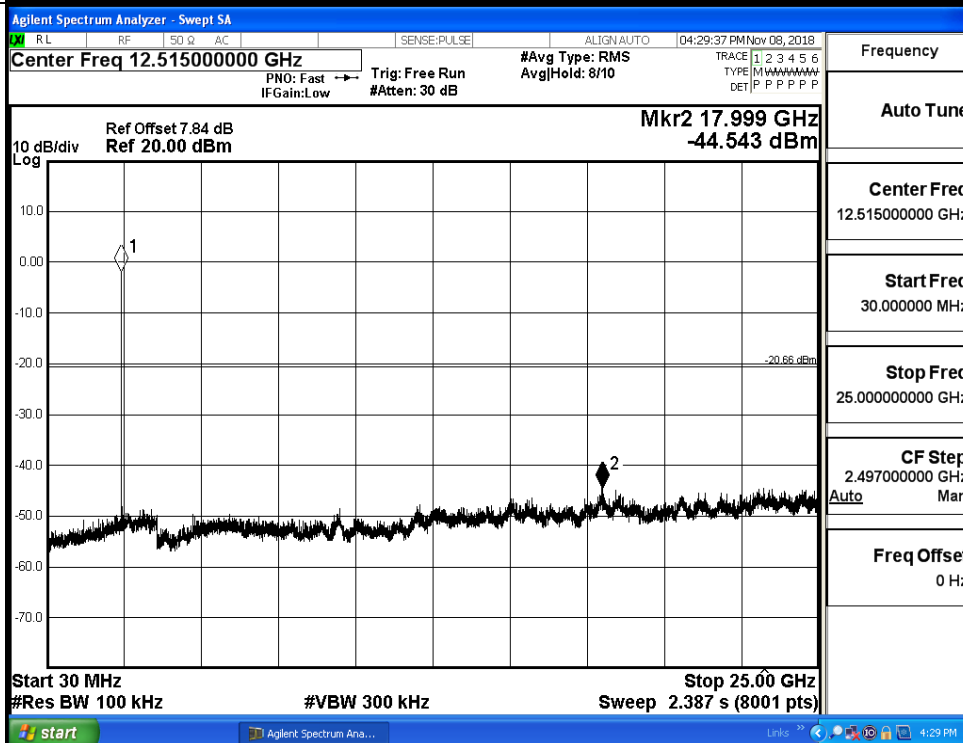


BT LE MCH Graphs

Pref/BT LE/MCH

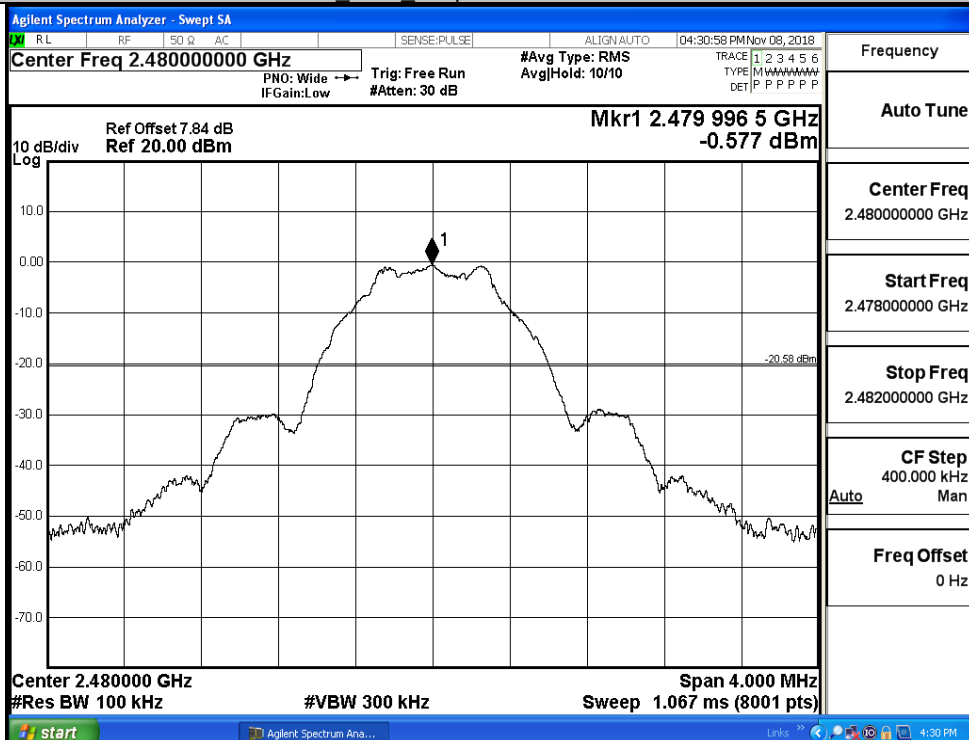


Puw/BT LE/MCH

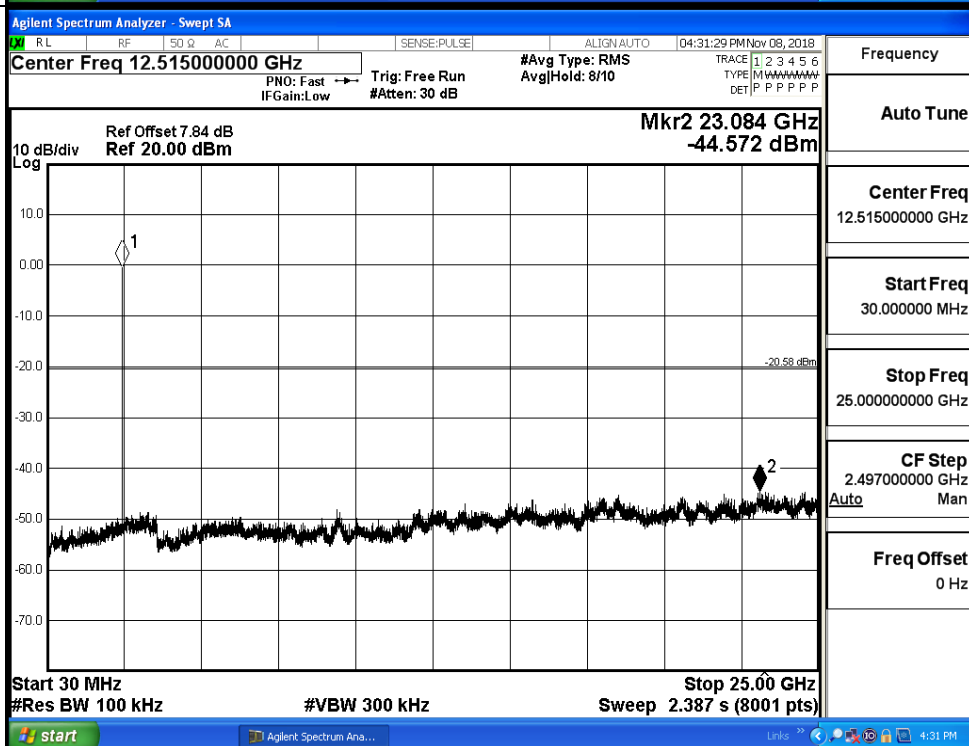


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

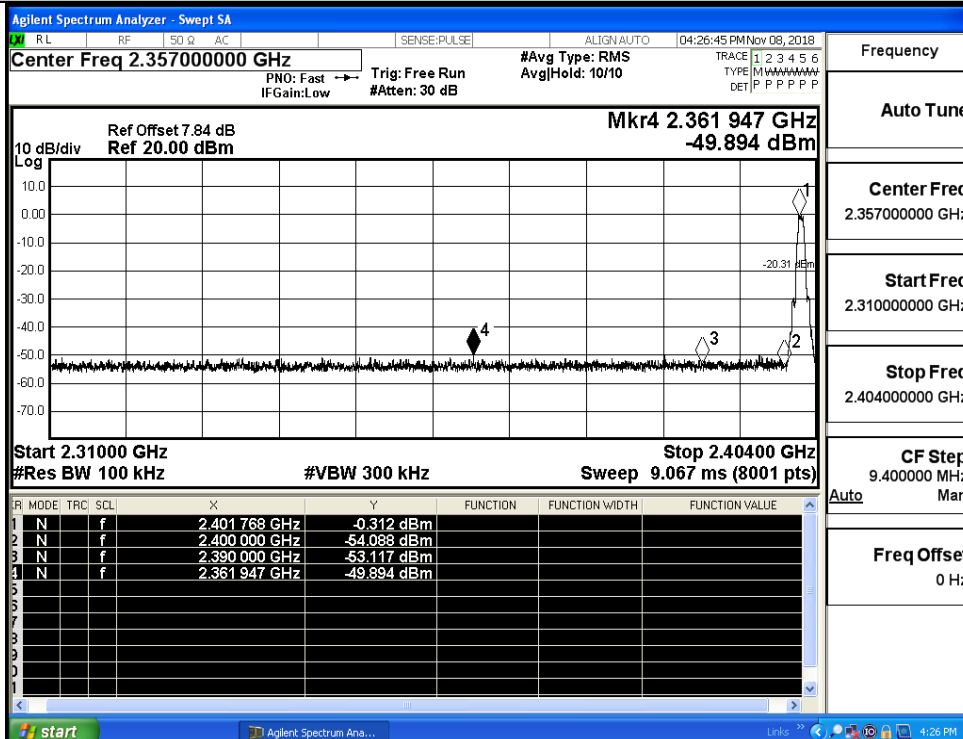


B.6 Band-edge for RF Conducted Emissions

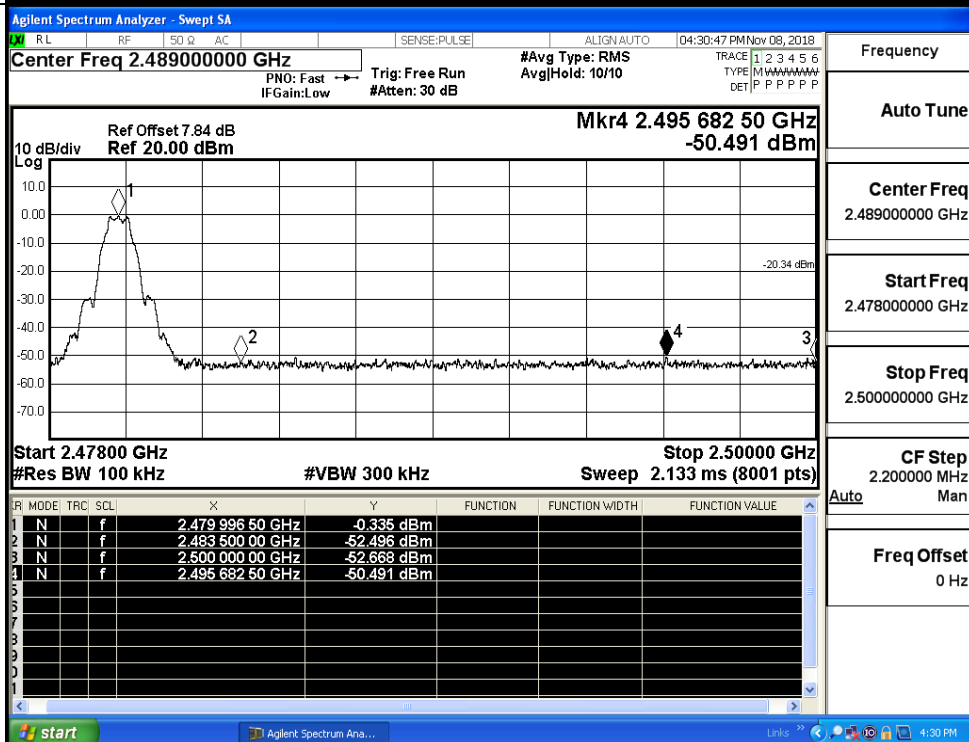
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.312	-49.894	-20.31	PASS
BT LE	HCH	-0.335	-50.491	-20.34	PASS

Test Graphs

LCH



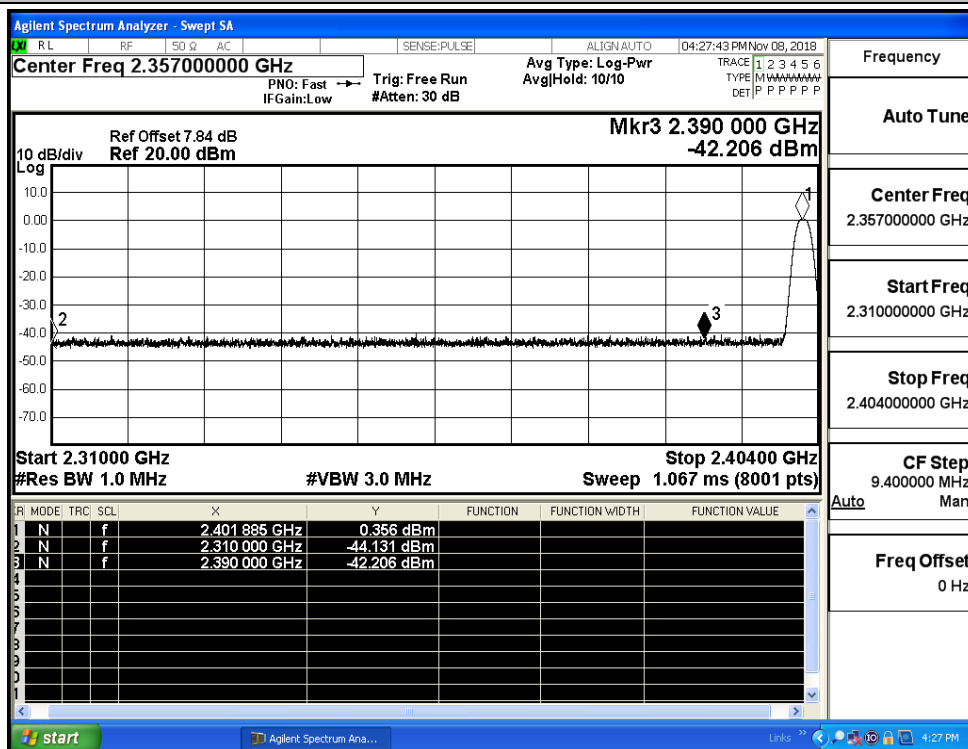
HCH



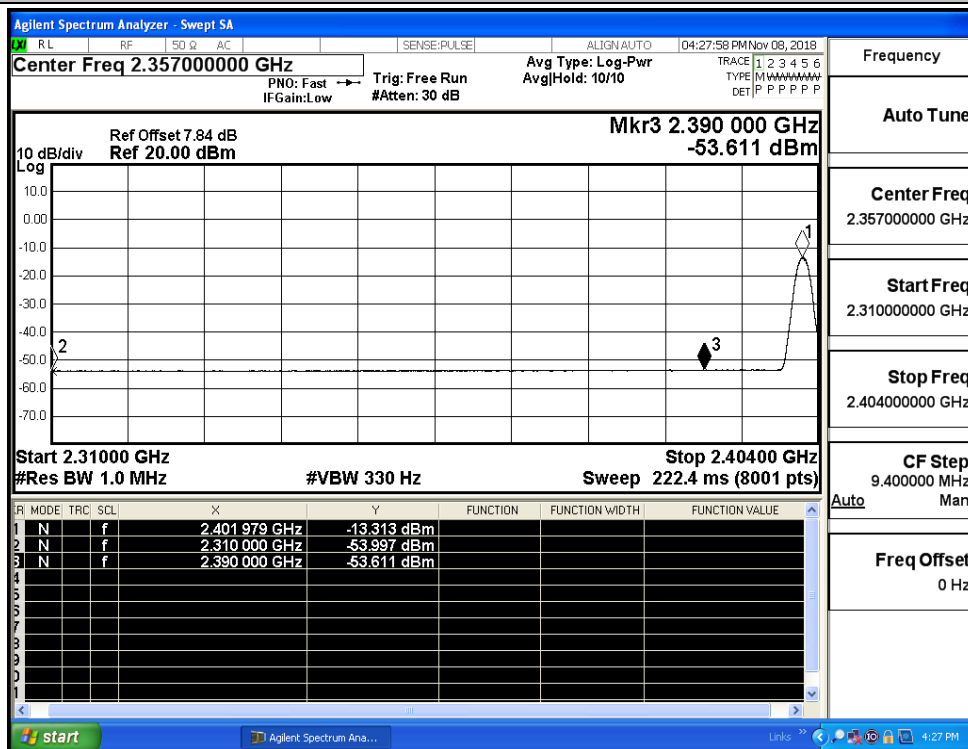
B.7 Restrict-band band-edge measurements

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	-44.13	2.0	0	53.13	PEAK	74	PASS
		Ant1	2310.0	-54.00	2.0	0	43.26	AV	54	PASS
		Ant1	2390.0	-42.21	2.0	0	55.05	PEAK	74	PASS
		Ant1	2390.0	-53.61	2.0	0	43.65	AV	54	PASS
	2480	Ant1	2483.5	-42.46	2.0	0	54.80	PEAK	74	PASS
		Ant1	2483.5	-53.45	2.0	0	43.81	AV	54	PASS
		Ant1	2500.0	-42.91	2.0	0	54.35	PEAK	74	PASS
		Ant1	2500.0	-53.28	2.0	0	43.98	AV	54	PASS

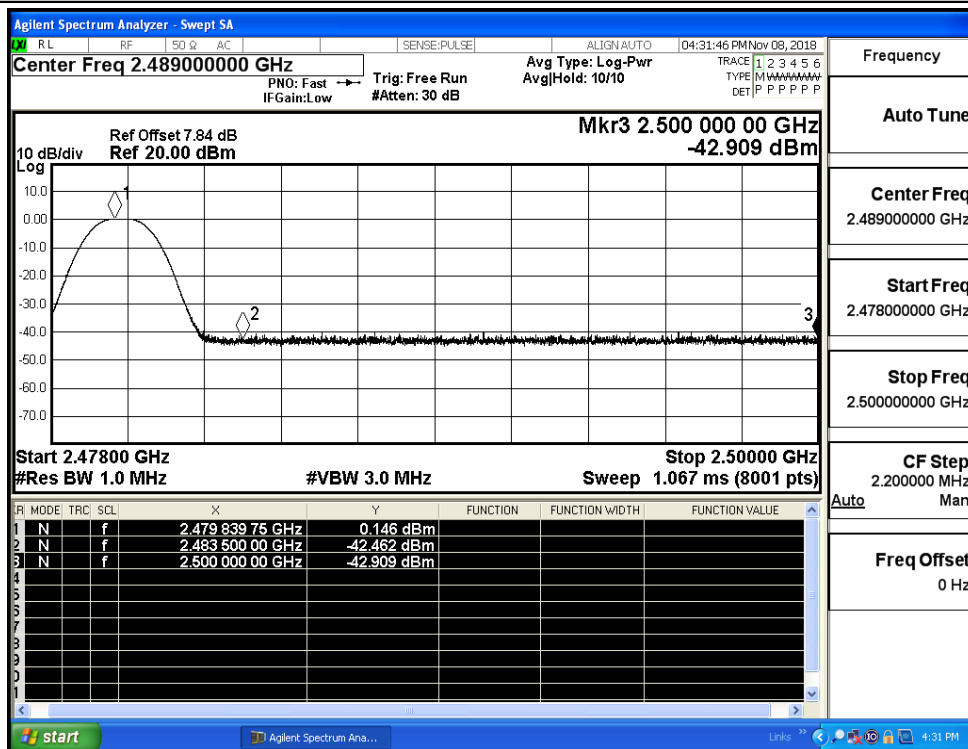
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

