

Appendix A
RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)
Product Name: Cartoon style selfie stick

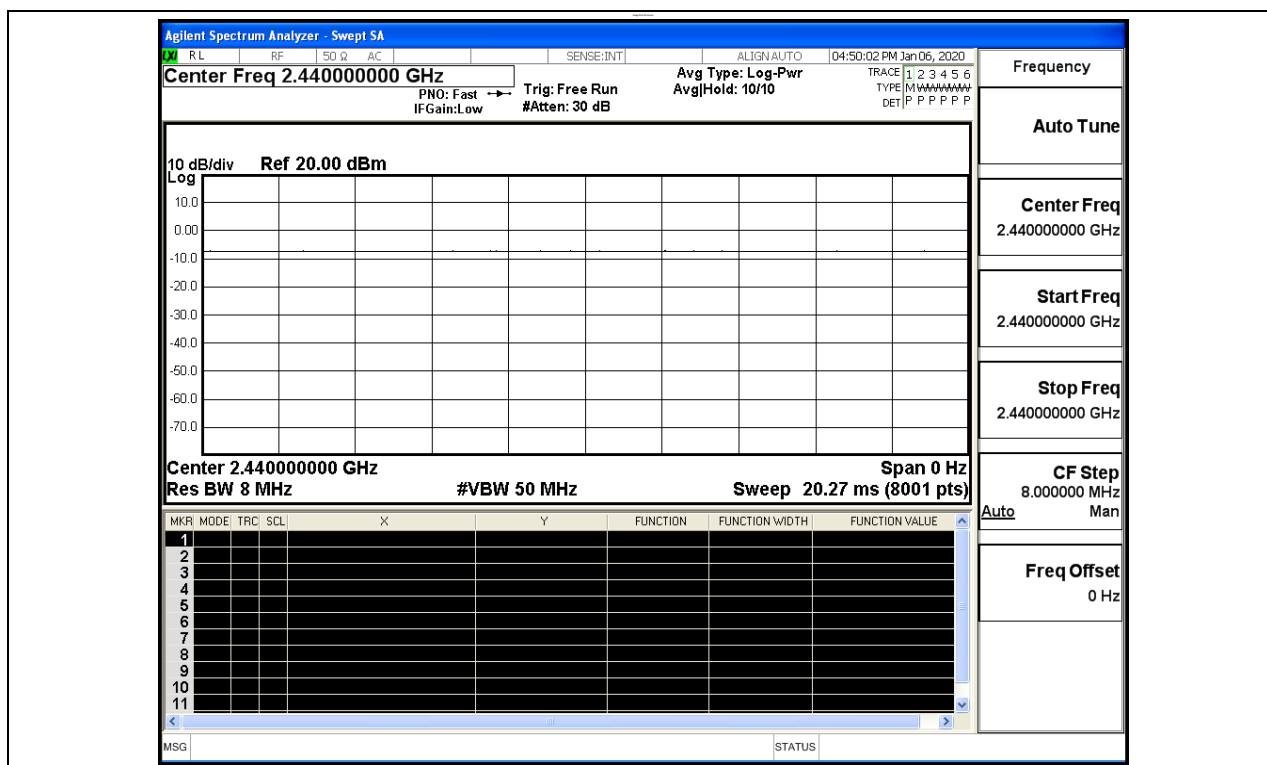
Trade Mark:  YMP INDUSTRY
Test Model: YMP-M05

Environmental Conditions

Temperature:	23.2 ° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Tom Liu

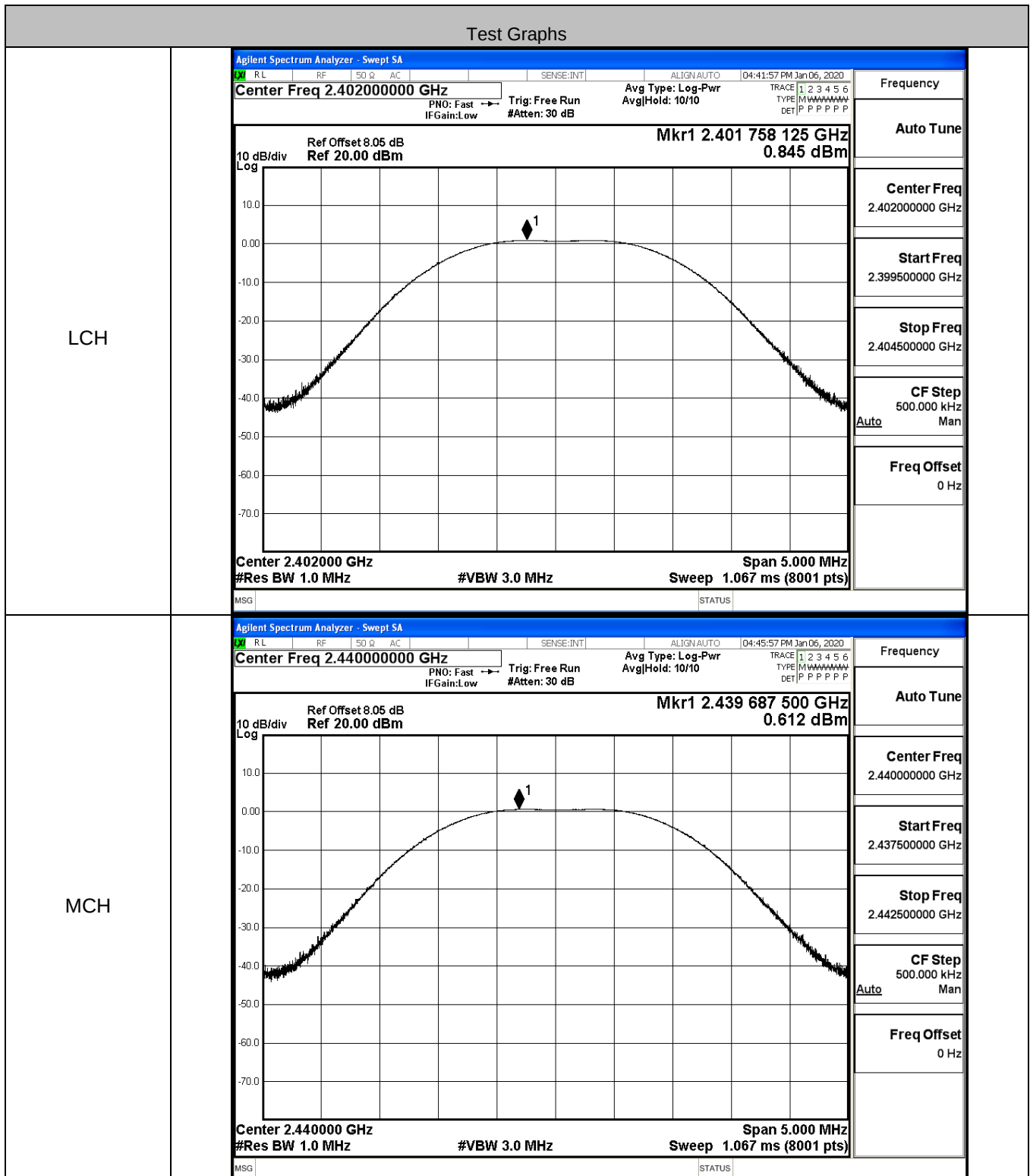
A.1 Duty Cycle

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

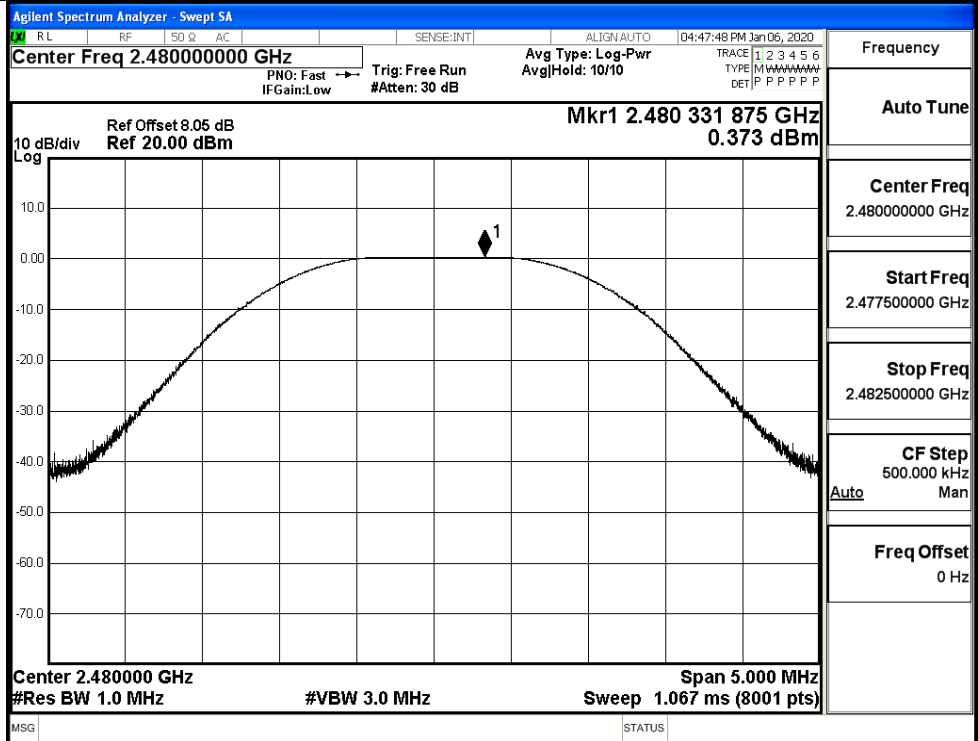


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.845	30	PASS
BT LE	MCH	0.612	30	PASS
BT LE	HCH	0.373	30	PASS



HCH



A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-10.478	8	PASS
BT LE	MCH	-10.973	8	PASS
BT LE	HCH	-11.306	8	PASS

Test Graphs

LCH



MCH



HCH

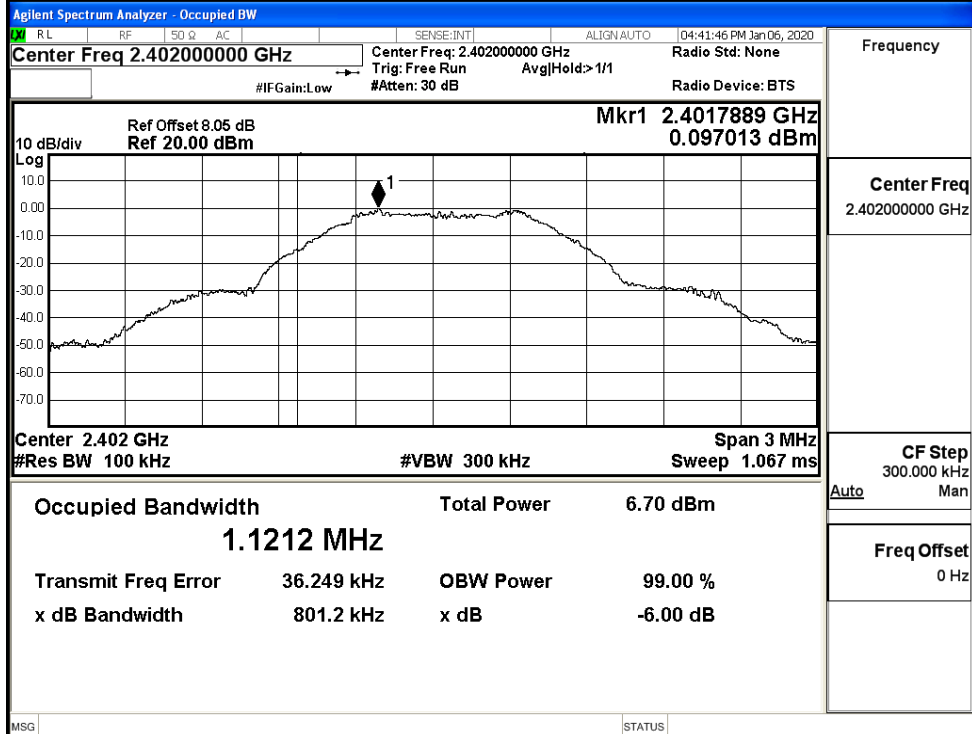


A.4 6dB Bandwidth

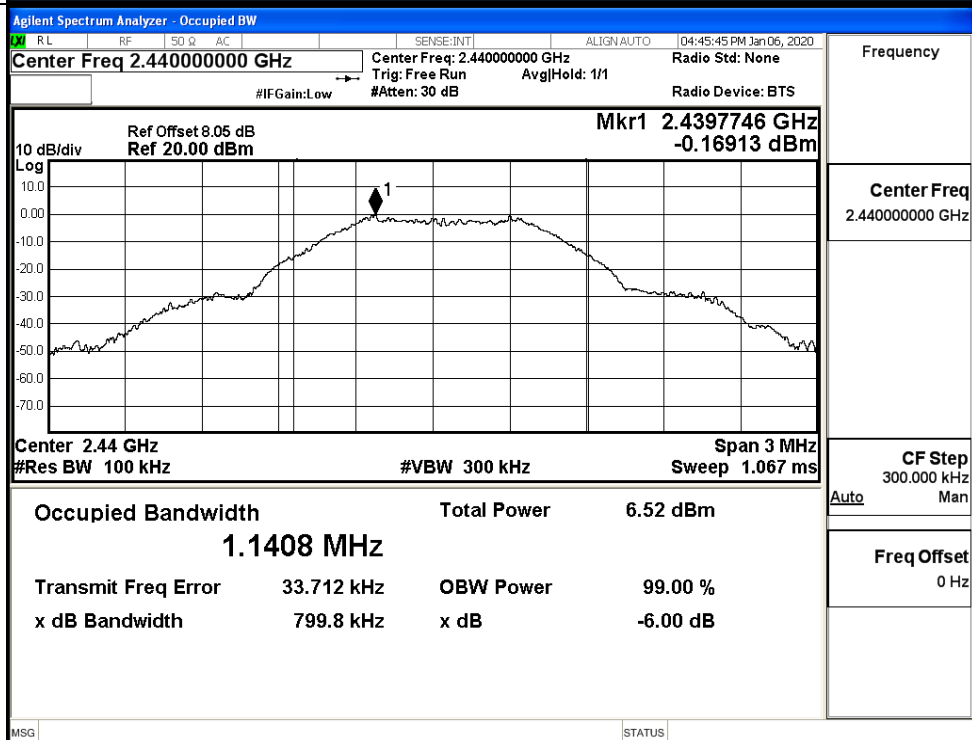
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.8012	≥ 0.5	PASS
BT LE	MCH	0.7998	≥ 0.5	PASS
BT LE	HCH	0.8563	≥ 0.5	PASS

Test Graphs

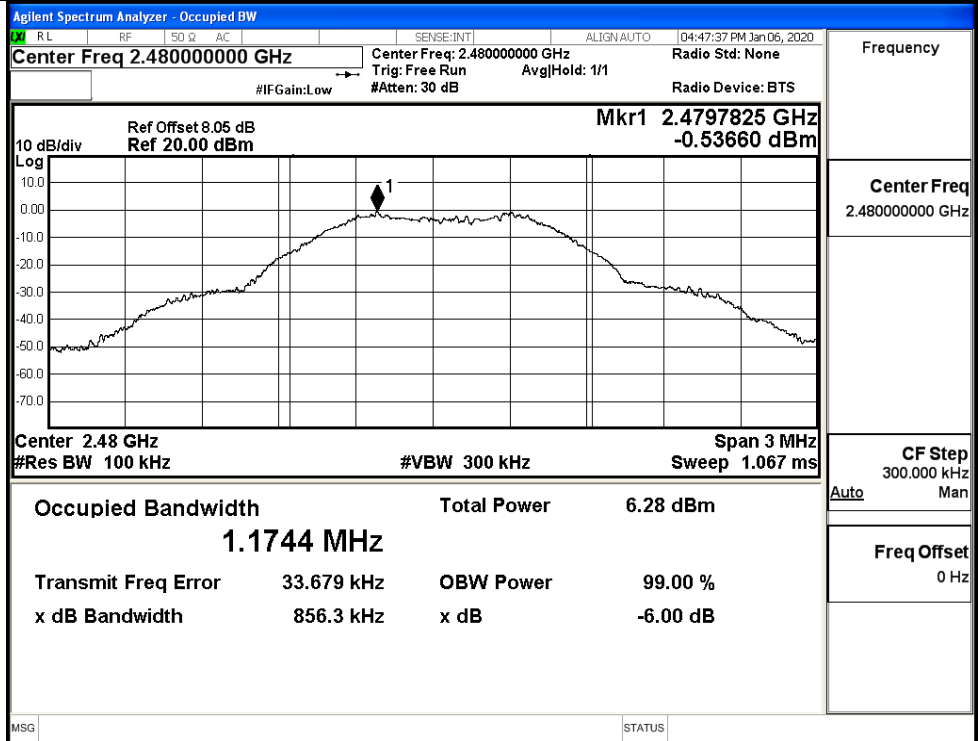
LCH



MCH



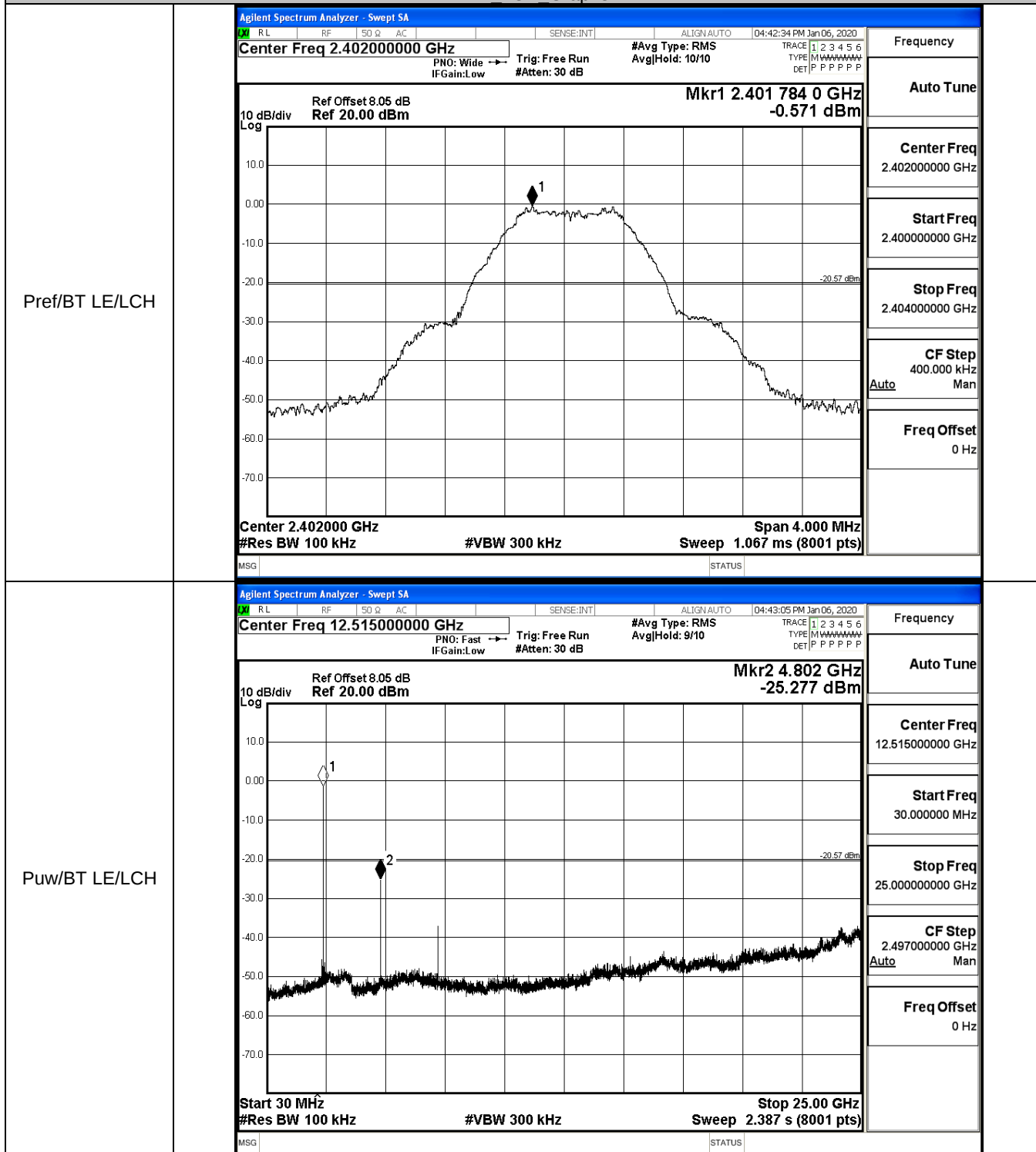
HCH



A.5 RF Conducted Spurious Emissions

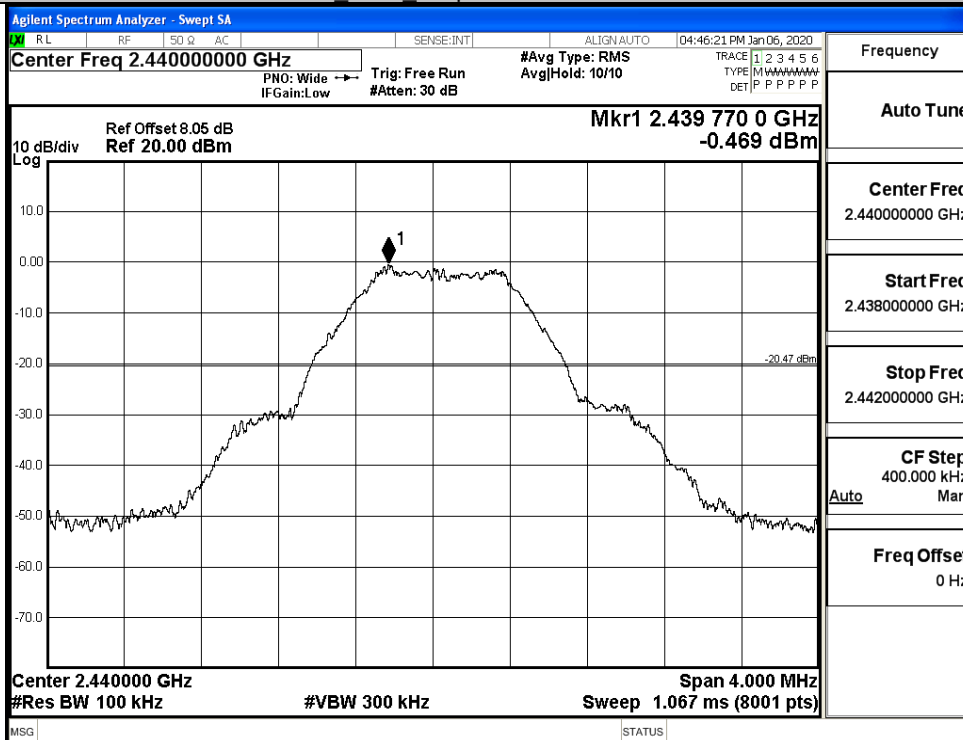
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.571	-25.277	-20.571	PASS
BT LE	MCH	-0.469	-25.512	-20.469	PASS
BT LE	HCH	-0.848	-25.491	-20.848	PASS

BT LE LCH Graphs

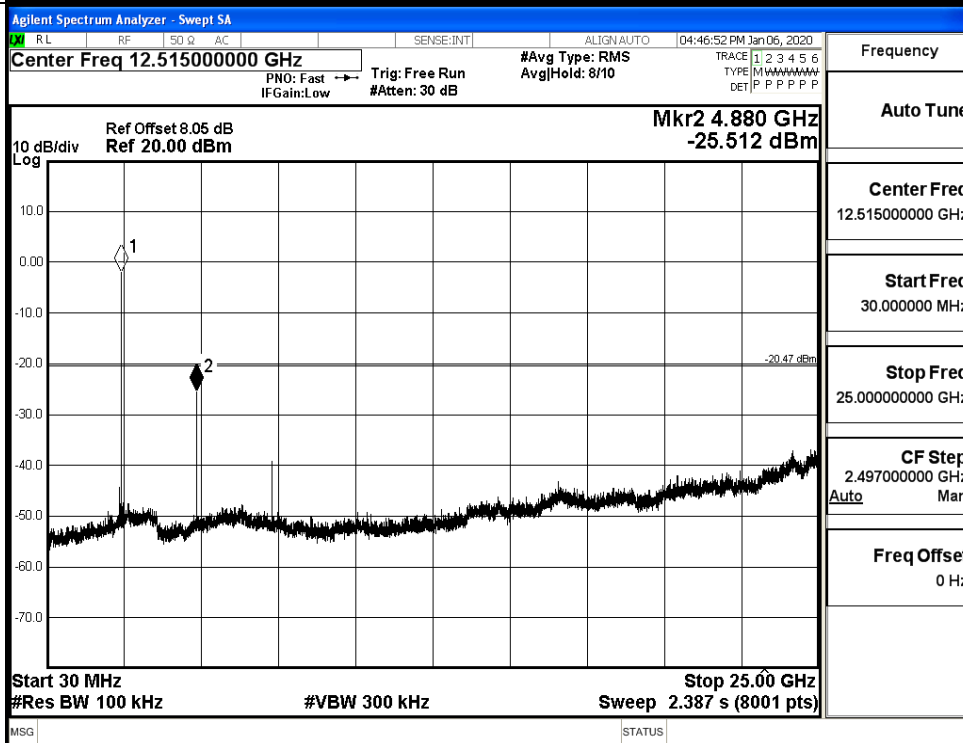


BT LE MCH Graphs

Pref/BT LE/MCH

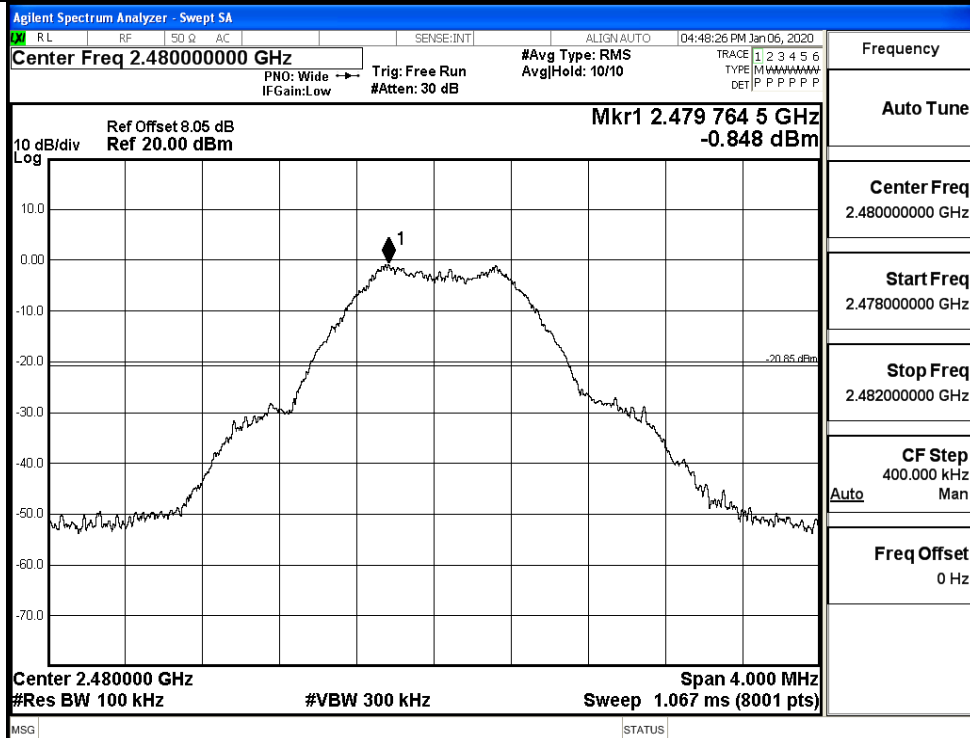


Puw/BT LE/MCH

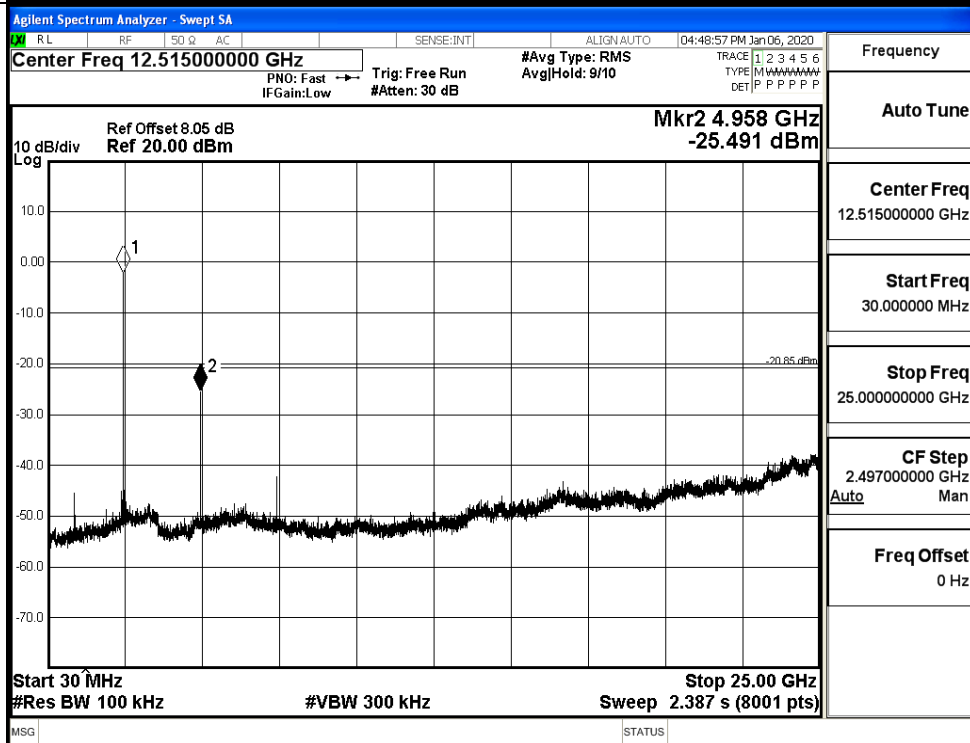


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

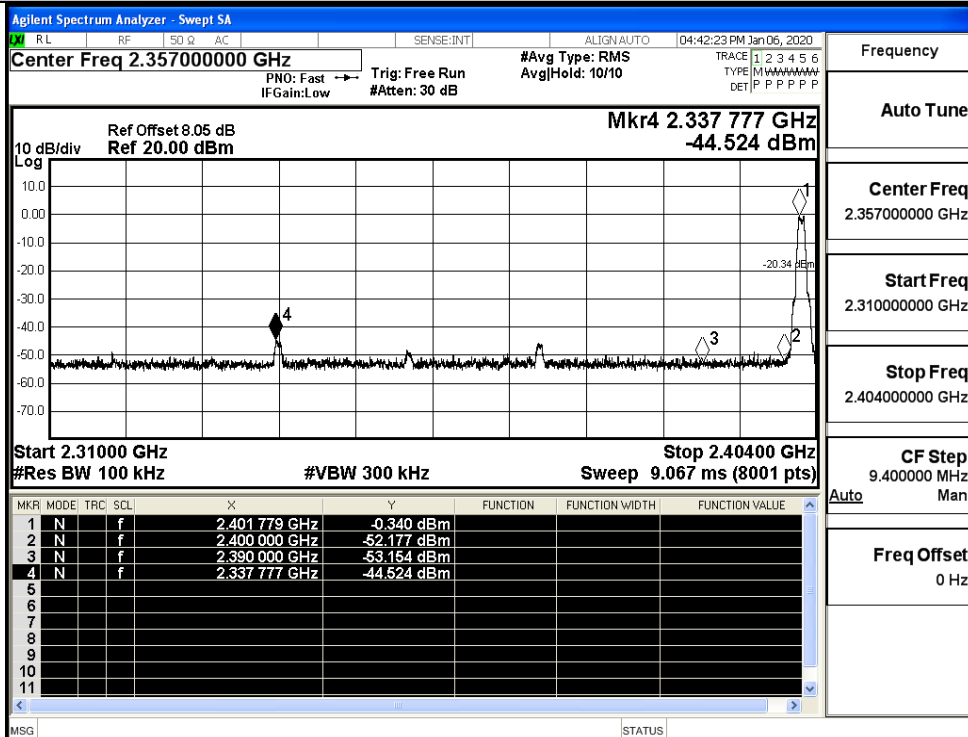


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.340	-44.524	-20.34	PASS
BT LE	HCH	-1.133	-48.309	-21.13	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

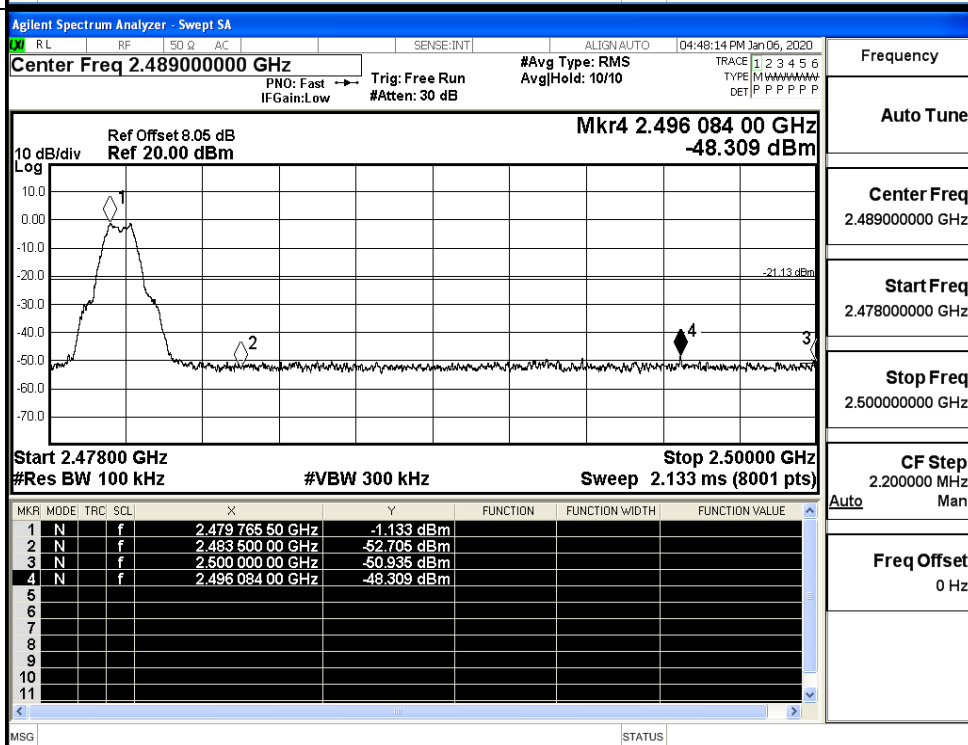
9.400000 MHz

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

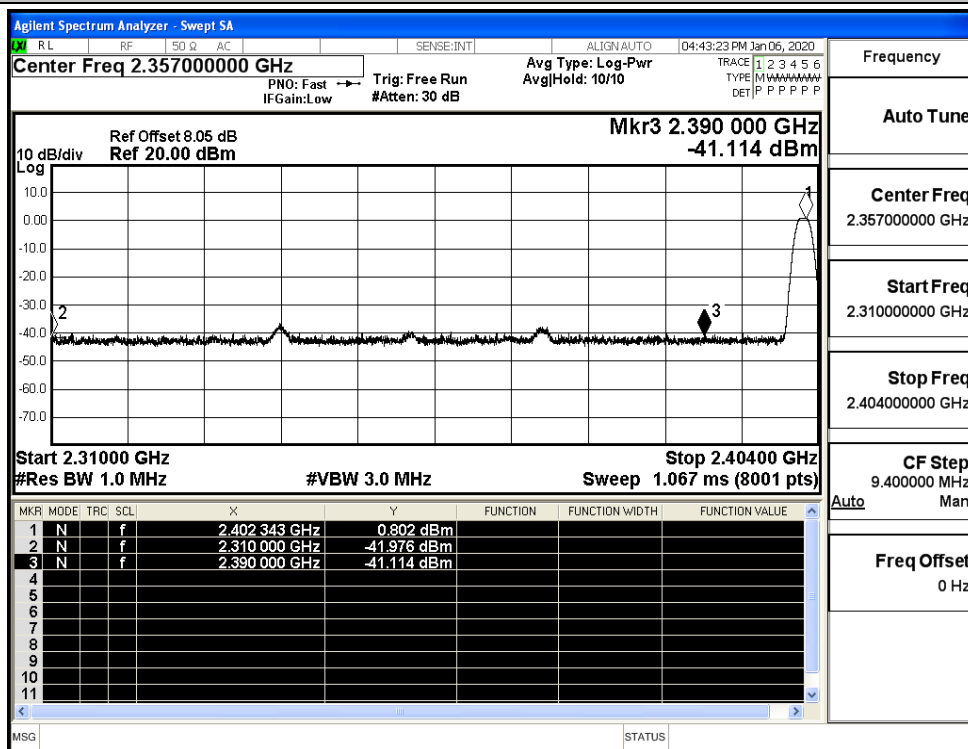
Freq Offset

0 Hz

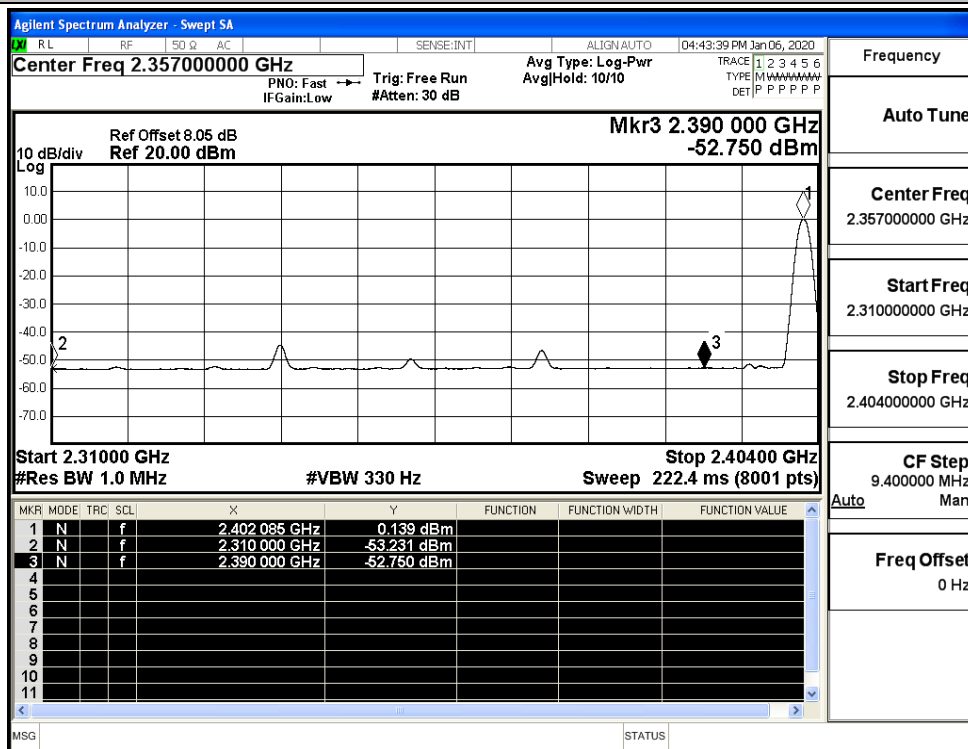
A.7 Restrict-band band-edge measurements

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	-41.98	2.0	0	53.28	PEAK	74	PASS
		Ant1	2310.0	-53.23	2.0	0	42.03	AV	54	PASS
		Ant1	2390.0	-41.11	2.0	0	54.14	PEAK	74	PASS
		Ant1	2390.0	-52.75	2.0	0	42.51	AV	54	PASS
	2480	Ant1	2483.5	-42.49	2.0	0	52.77	PEAK	74	PASS
		Ant1	2483.5	-52.32	2.0	0	42.94	AV	54	PASS
		Ant1	2500.0	-41.94	2.0	0	53.32	PEAK	74	PASS
		Ant1	2500.0	-52.29	2.0	0	42.97	AV	54	PASS

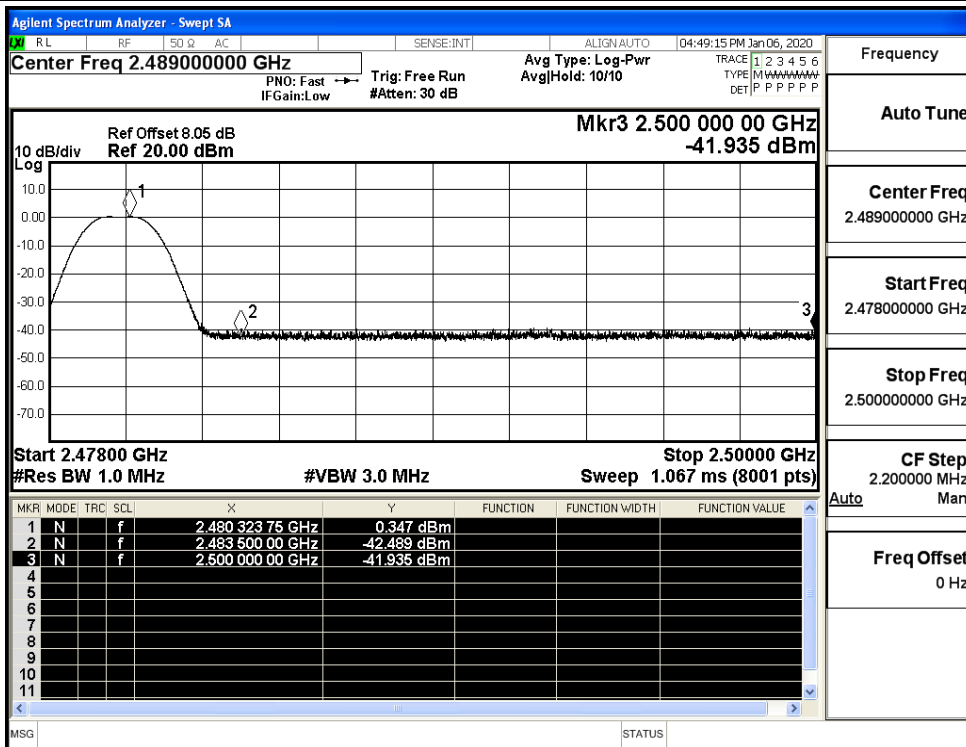
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

