

Appendix B

RF Test Data for BT V4.1(LE) (Conducted Measurement)

Product Name: PADDY Smart Pad

Trade Mark: Paddy

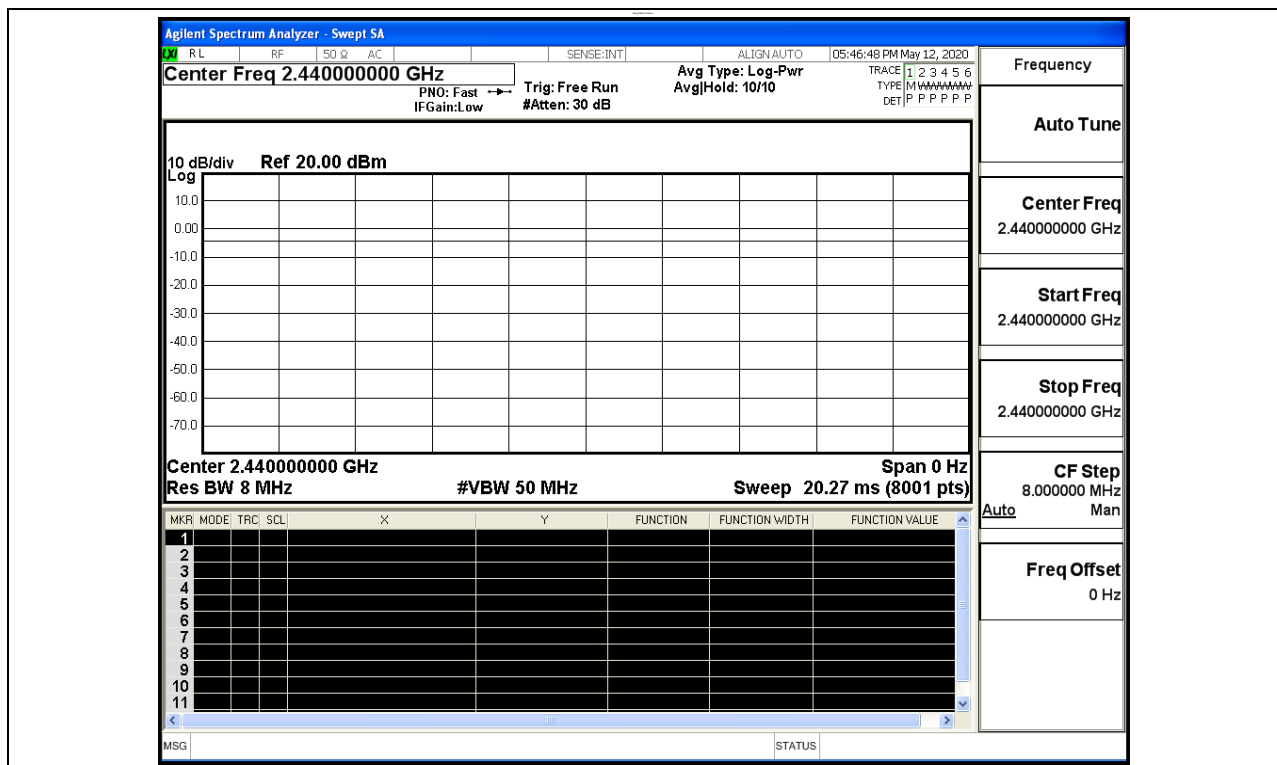
Test Model: 000121100000

Environmental Conditions

Temperature:	23.3 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	QUXIN
Supervised by:	Li Huan

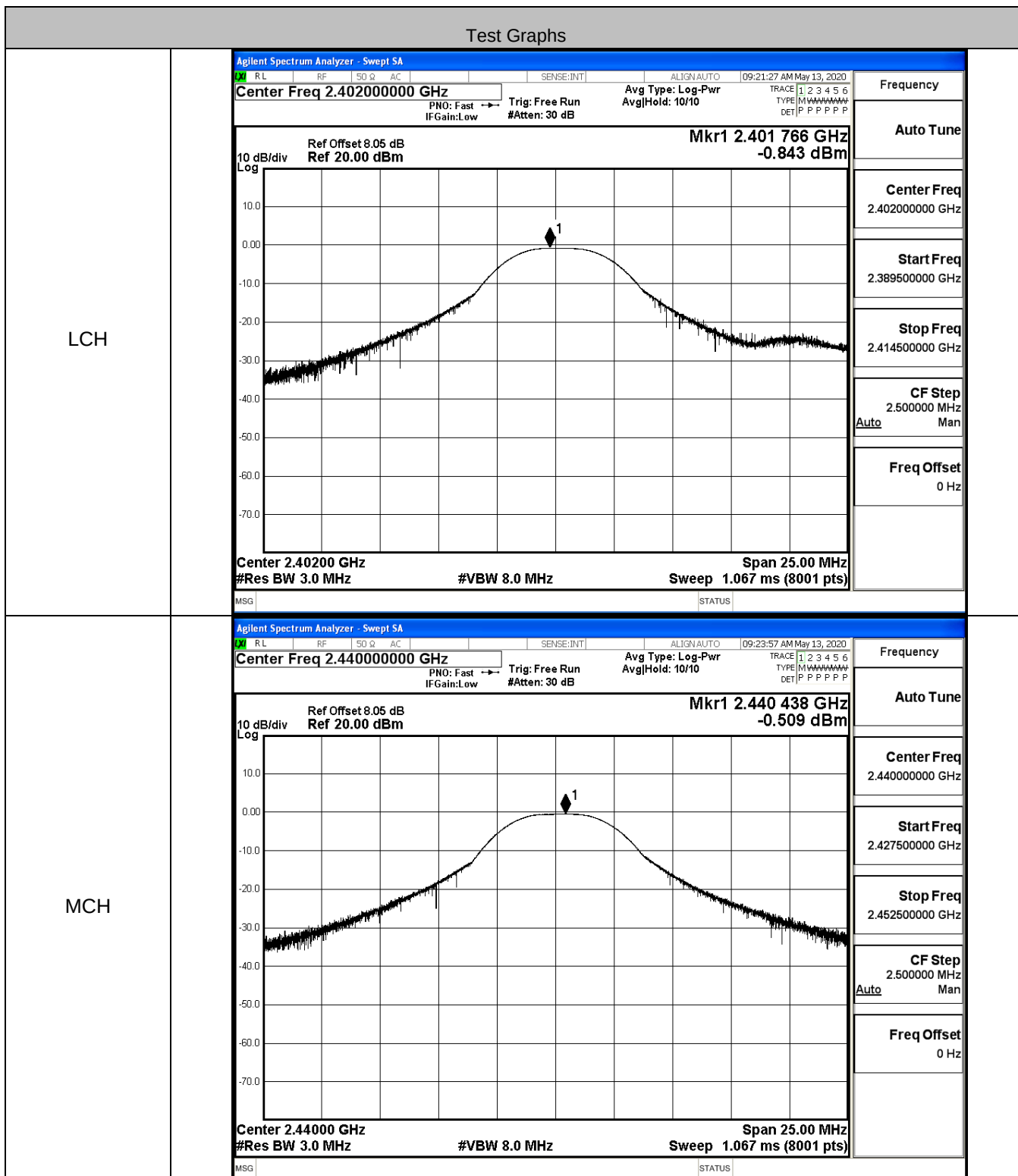
A.1 Duty Cycle

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

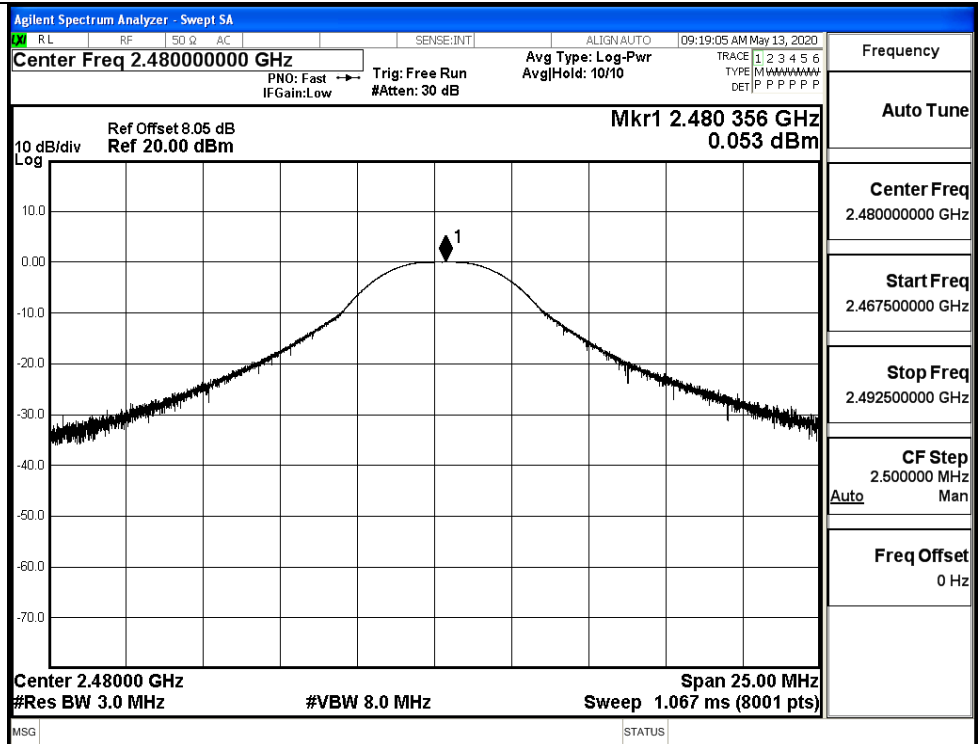


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.843	30	PASS
BT LE	MCH	-0.509	30	PASS
BT LE	HCH	0.053	30	PASS



HCH

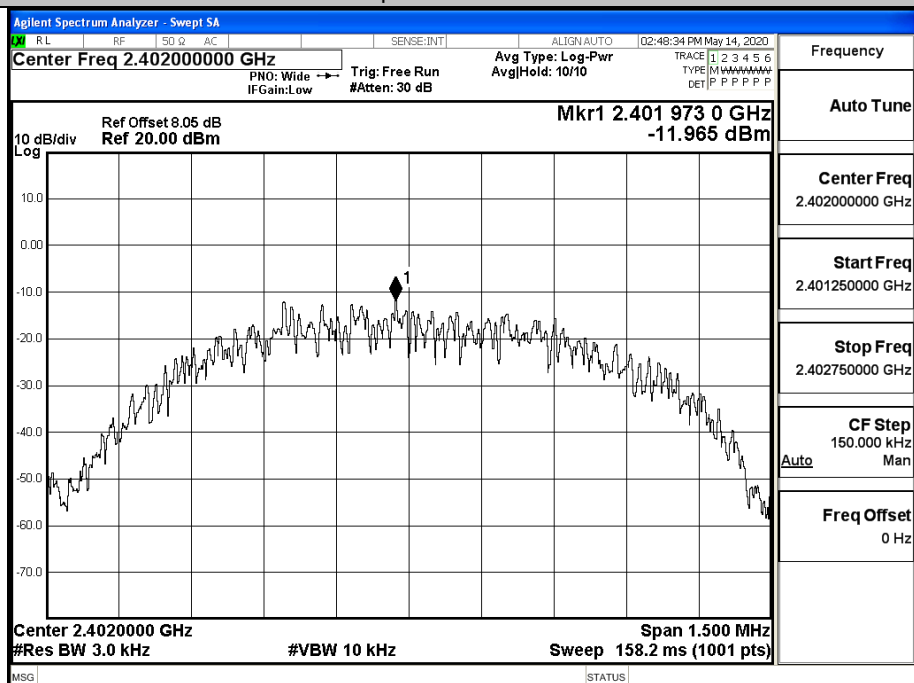


A.3 Maximum Power Spectral Density

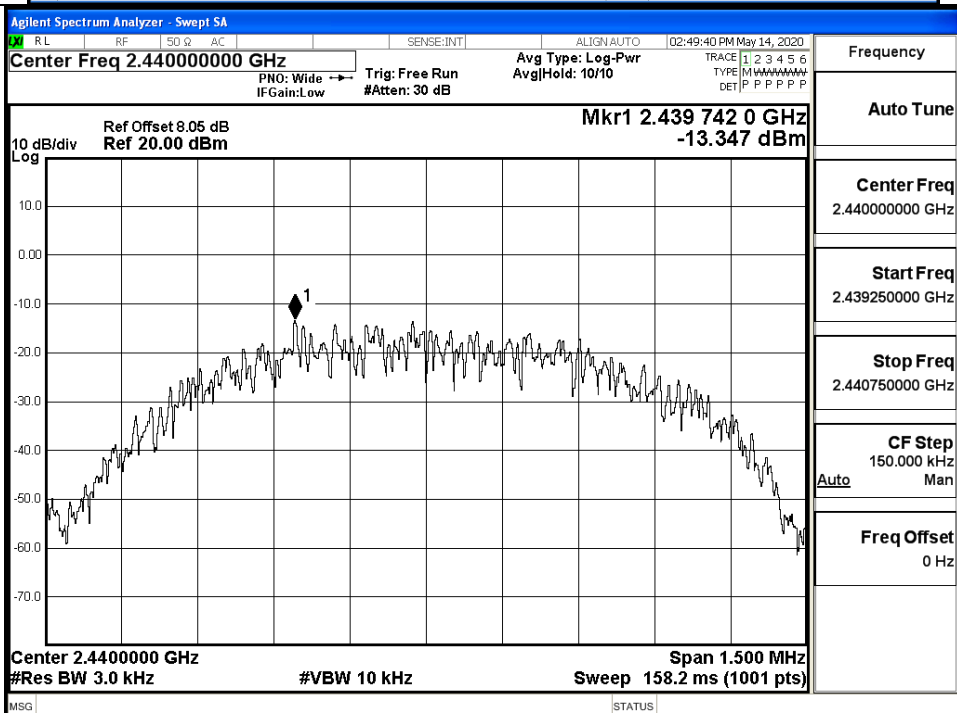
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.965	8	PASS
BT LE	MCH	-13.347	8	PASS
BT LE	HCH	-15.115	8	PASS

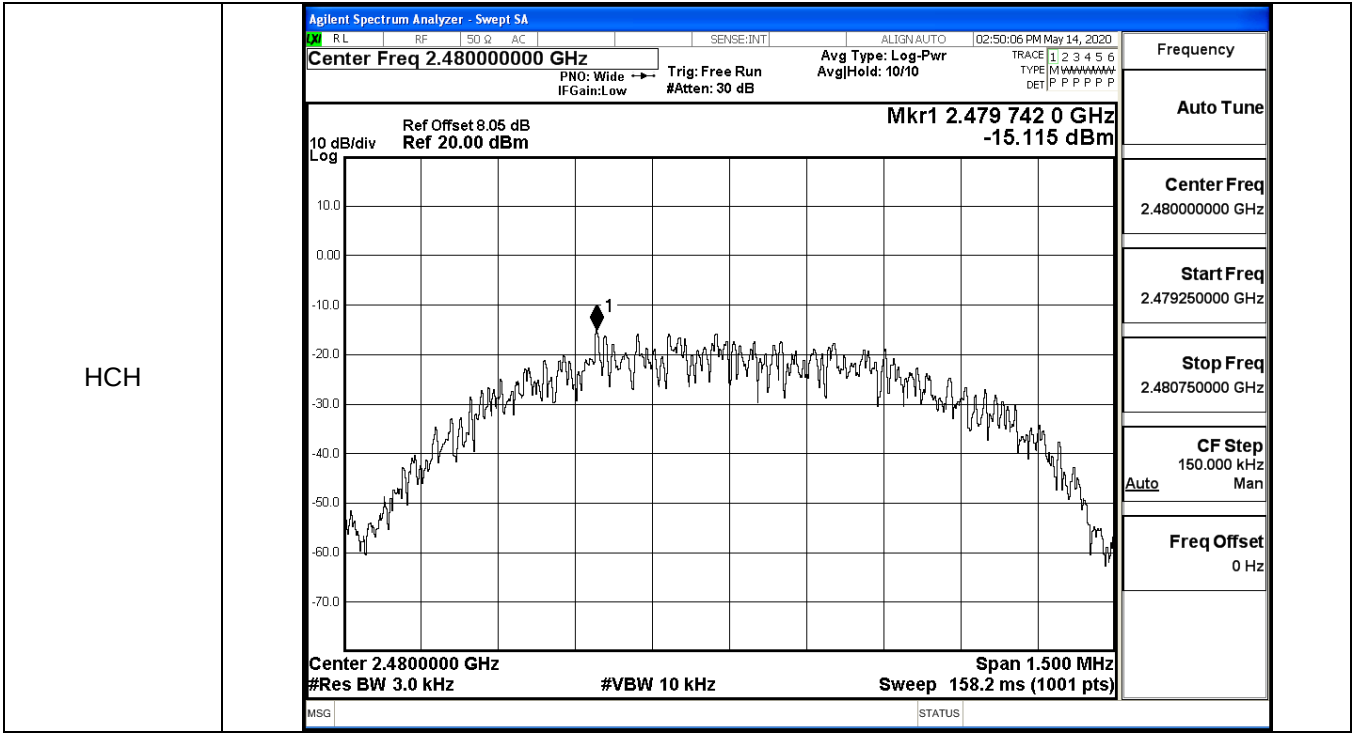
Test Graphs

LCH



MCH



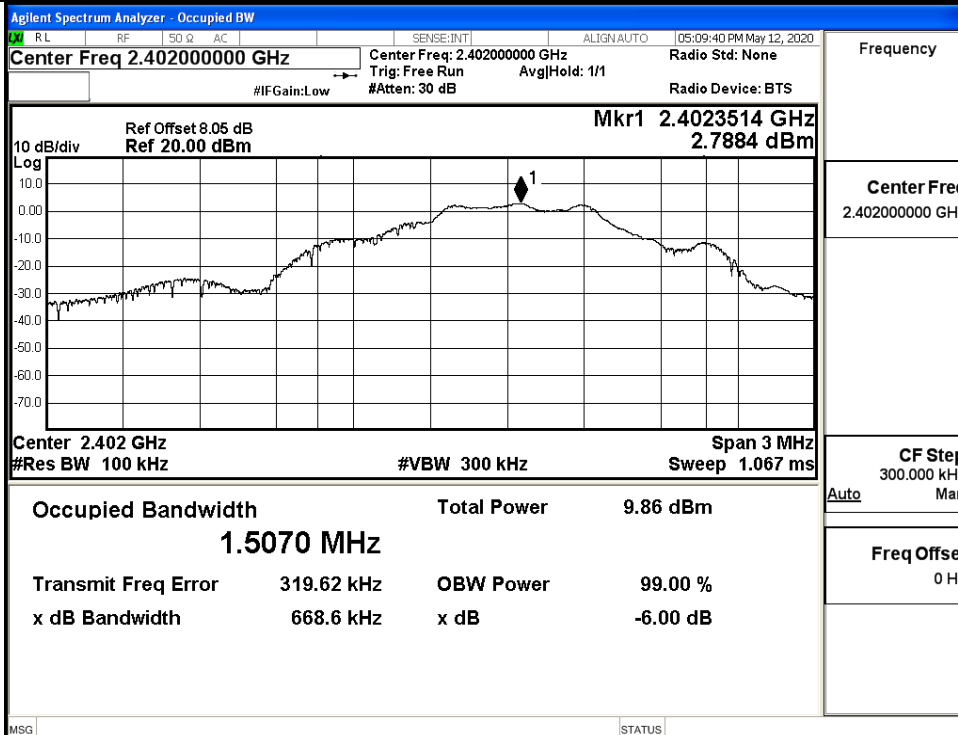


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6686	≥ 0.5	PASS
BT LE	MCH	0.7005	≥ 0.5	PASS
BT LE	HCH	0.6979	≥ 0.5	PASS

Test Graphs

LCH



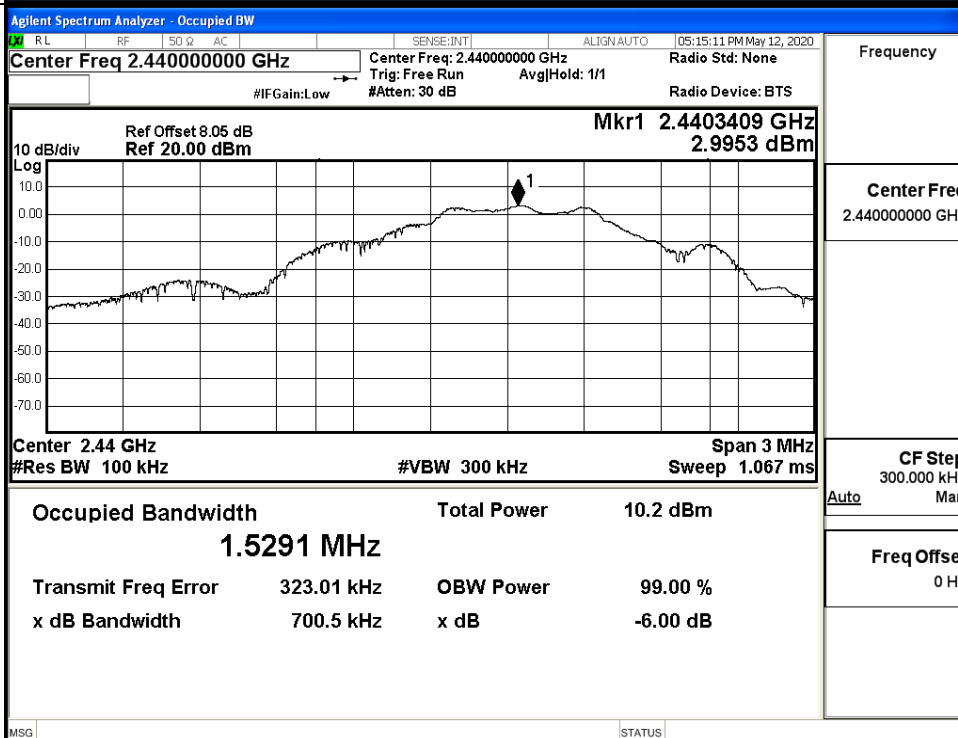
Frequency

Center Freq
2.402000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

MCH



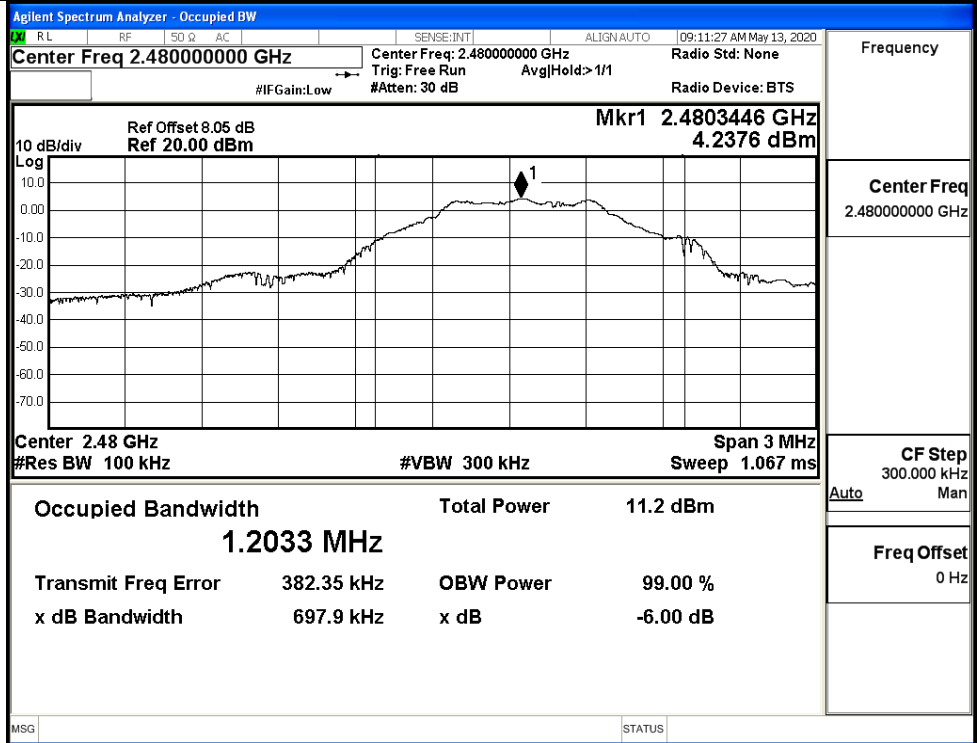
Frequency

Center Freq
2.440000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

HCH

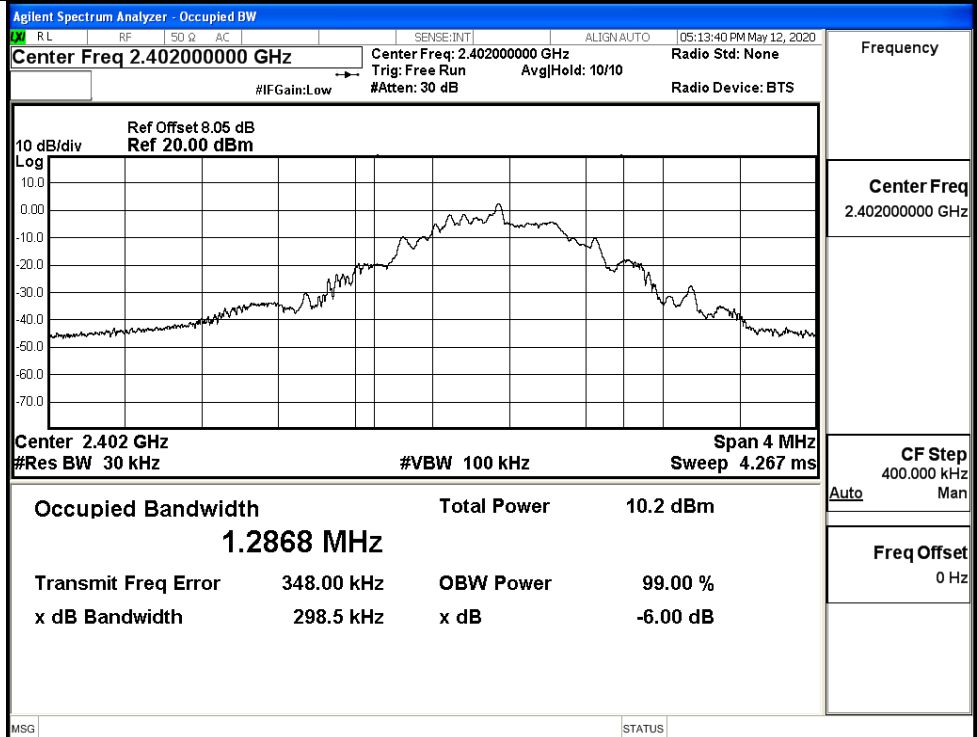


A.5 Occupied Bandwidth

Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.2868	≥ 0.5	PASS
BT LE	MCH	1.3031	≥ 0.5	PASS
BT LE	HCH	1.0674	≥ 0.5	PASS

Test Graphs

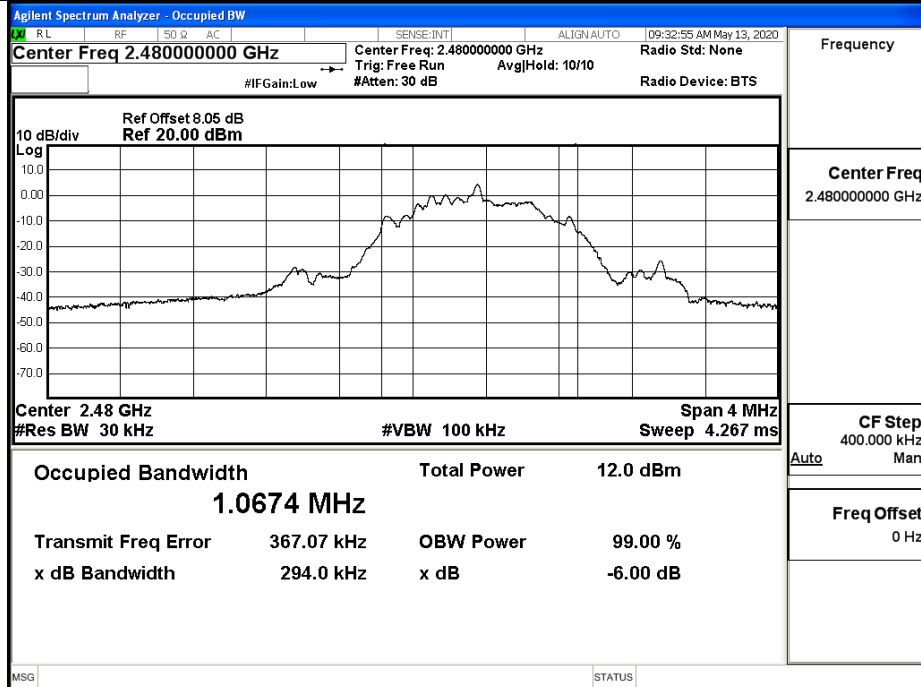
LCH



MCH

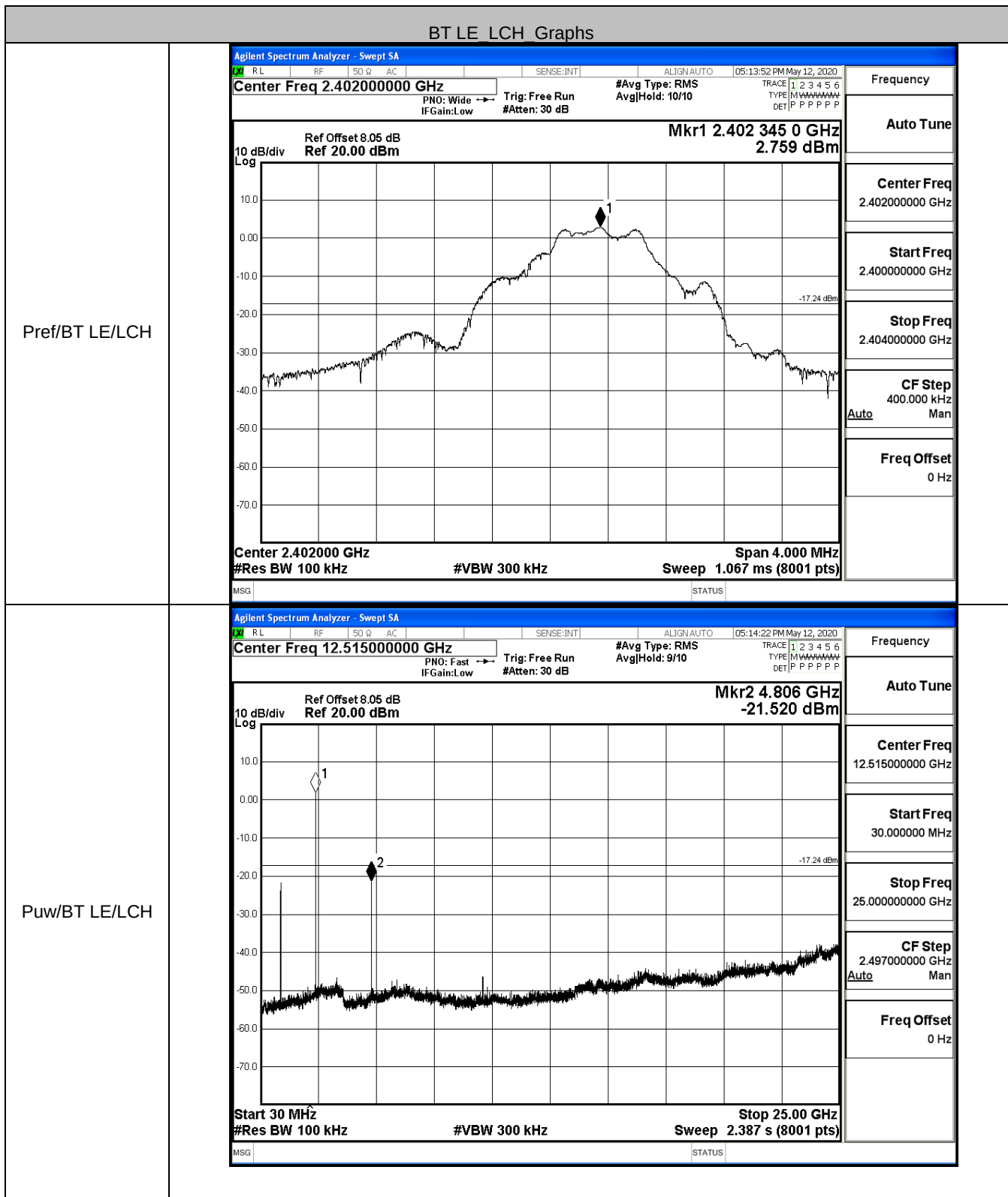


HCH



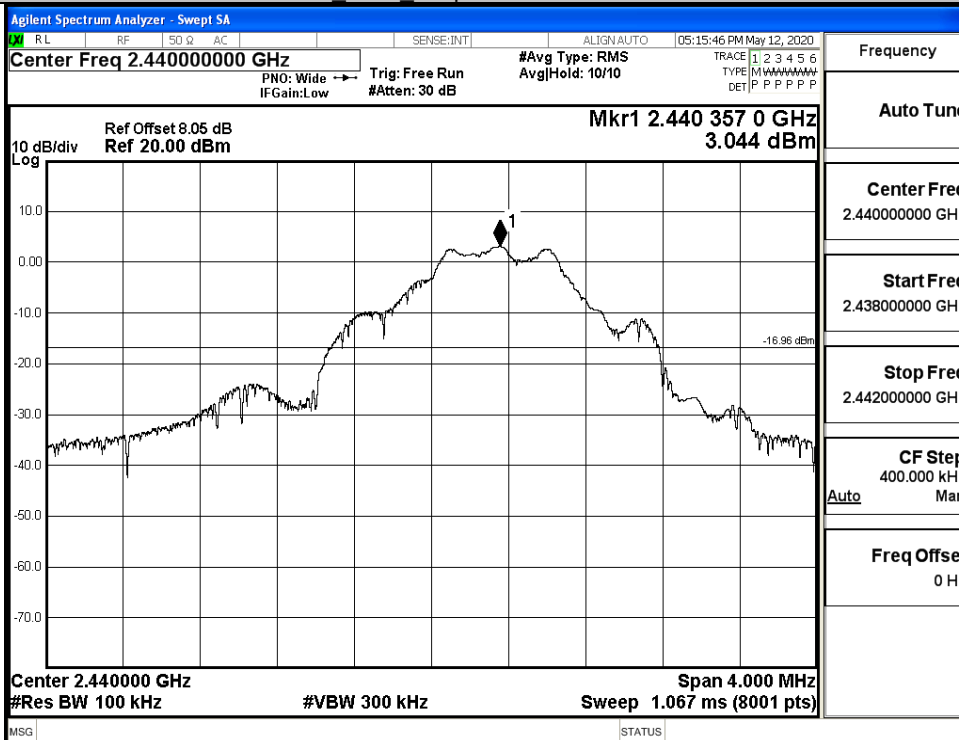
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.759	-21.520	-17.241	PASS
BT LE	MCH	3.044	-17.879	-16.956	PASS
BT LE	HCH	3.862	-23.576	-16.138	PASS

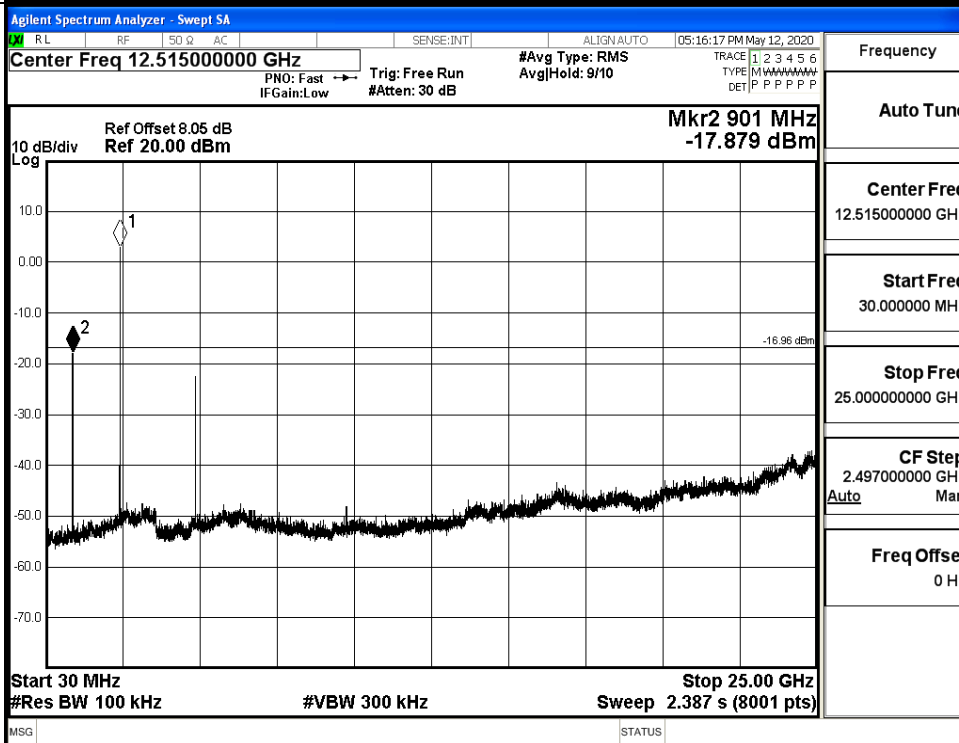


BT LE MCH Graphs

Pref/BT LE/MCH

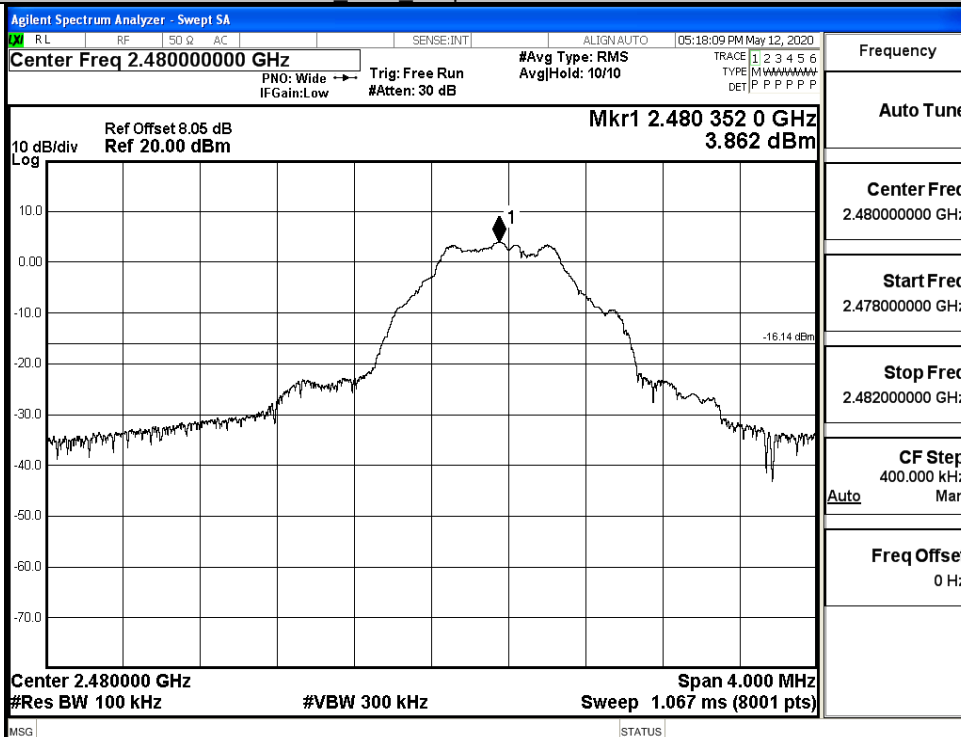


Puw/BT LE/MCH

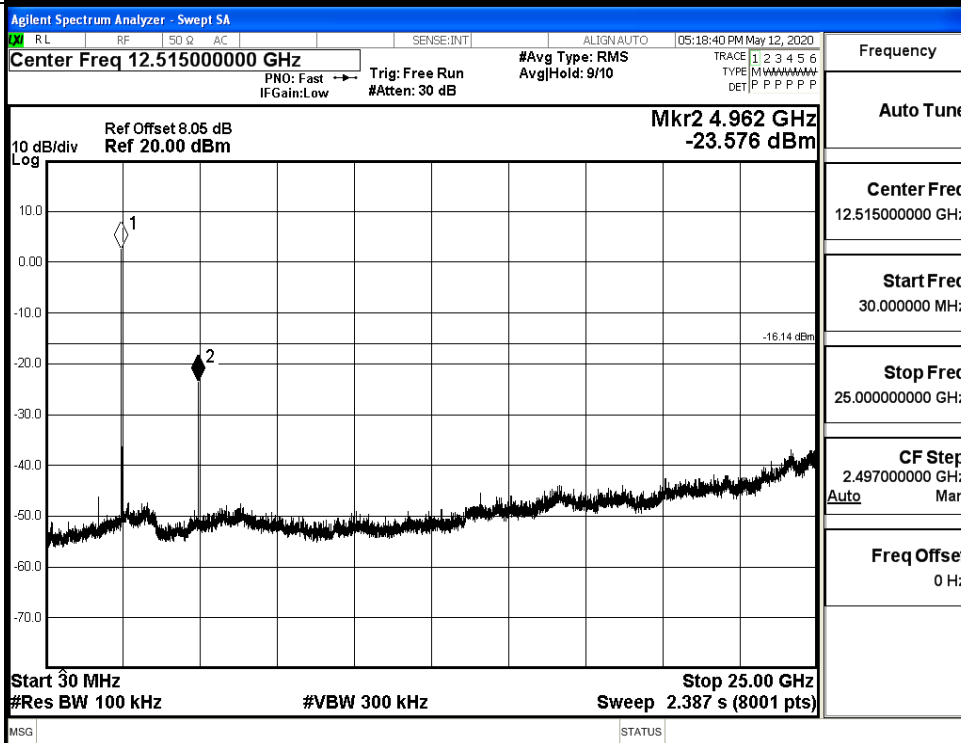


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

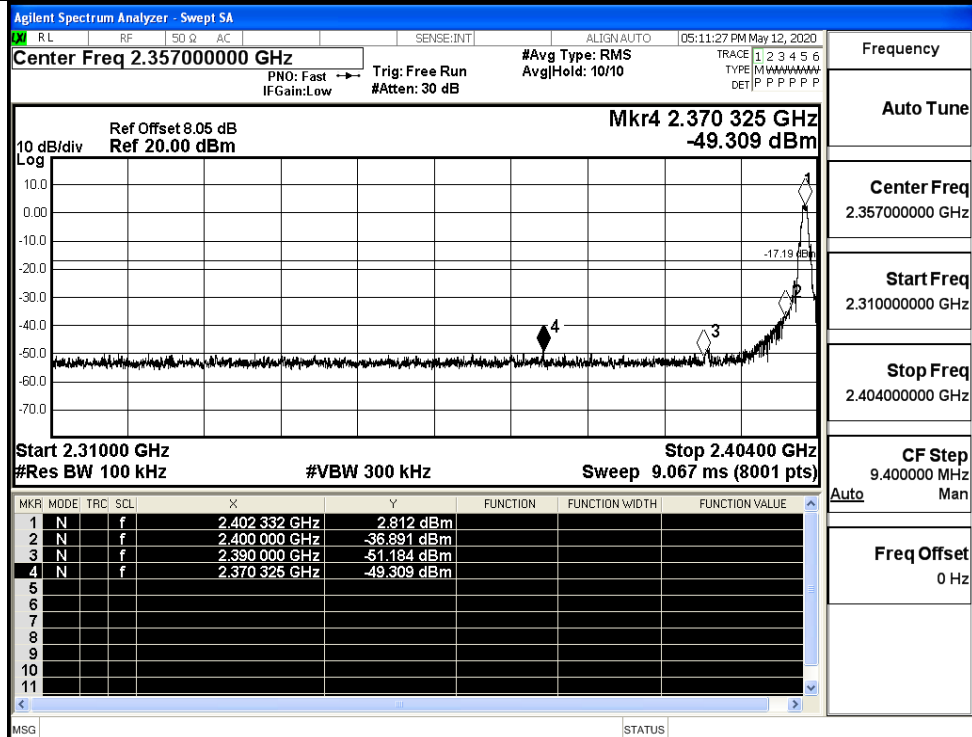


A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.812	-49.309	-17.19	PASS
BT LE	HCH	3.952	-39.568	-16.05	PASS

Test Graphs

LCH

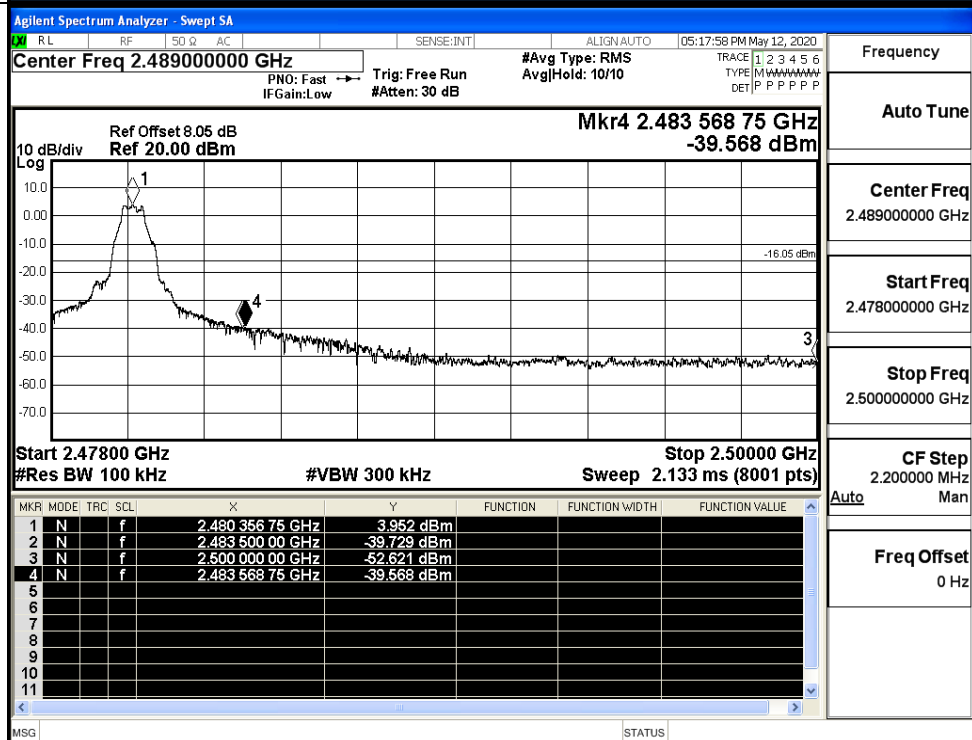


Frequency

Auto Tune

Center Freq
2.357000000 GHzStart Freq
2.310000000 GHzStop Freq
2.404000000 GHzCF Step
9.400000 MHz
Auto ManFreq Offset
0 Hz

HCH



Frequency

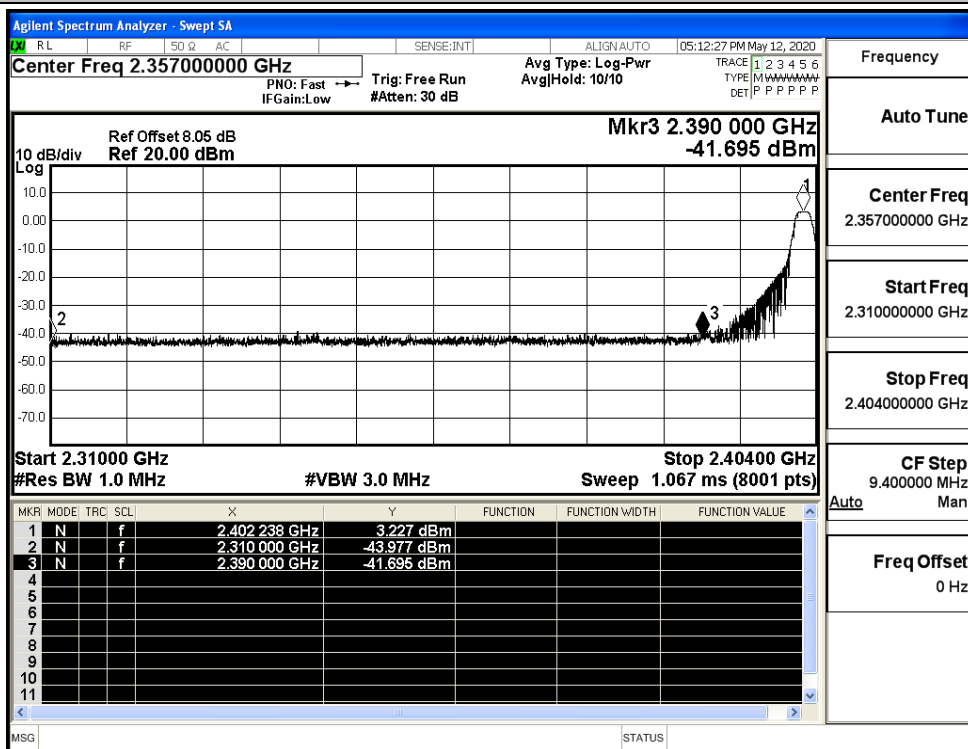
Auto Tune

Center Freq
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2.478000000 GHzStop Freq
2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

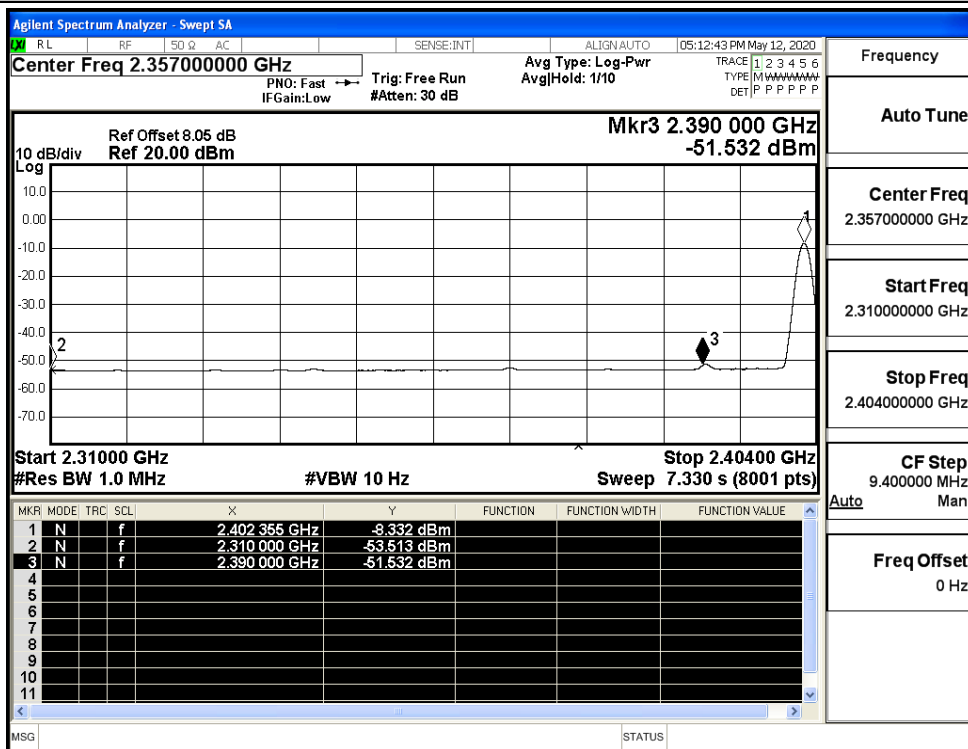
A.8 Restrict-band band-edge measurements

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	-43.98	2.0	0	53.25	PEAK	74	PASS
		Ant1	2310.0	-53.51	2.0	0	43.72	AV	54	PASS
		Ant1	2390.0	-41.70	2.0	0	55.53	PEAK	74	PASS
		Ant1	2390.0	-51.53	2.0	0	45.70	AV	54	PASS
	2480	Ant1	2483.5	-24.23	2.0	0	73.00	PEAK	74	PASS
		Ant1	2483.5	-52.59	2.0	0	44.64	AV	54	PASS
		Ant1	2500.0	-39.95	2.0	0	57.28	PEAK	74	PASS
		Ant1	2500.0	-52.59	2.0	0	44.64	AV	54	PASS

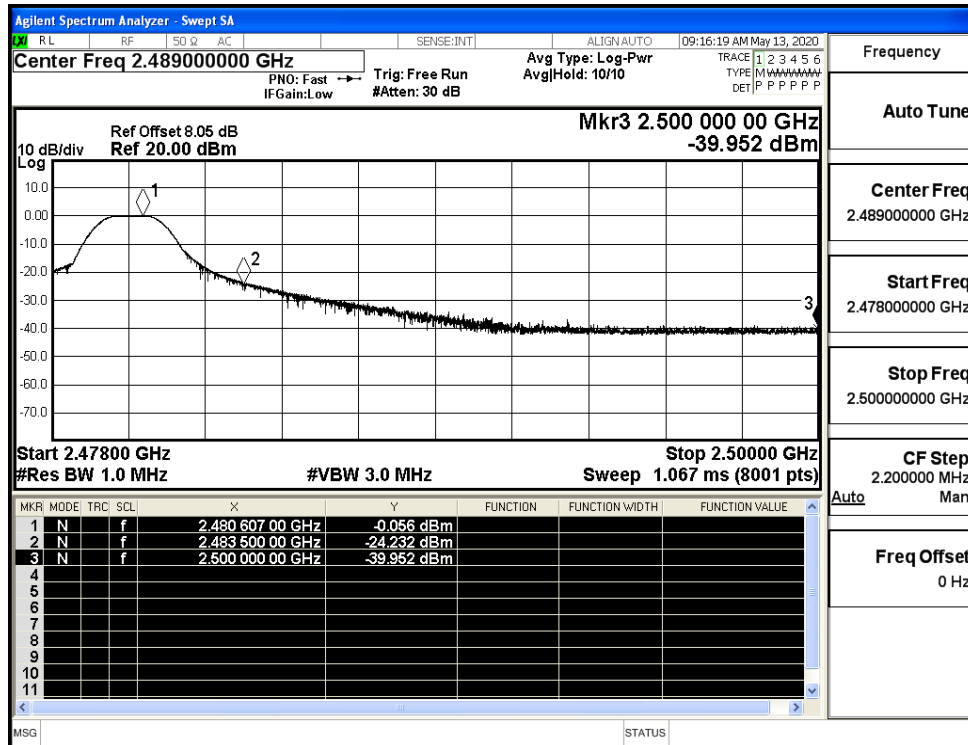
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

