

Appendix A

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

Product Name: Kids Tablets

Trade Mark: ASIUR

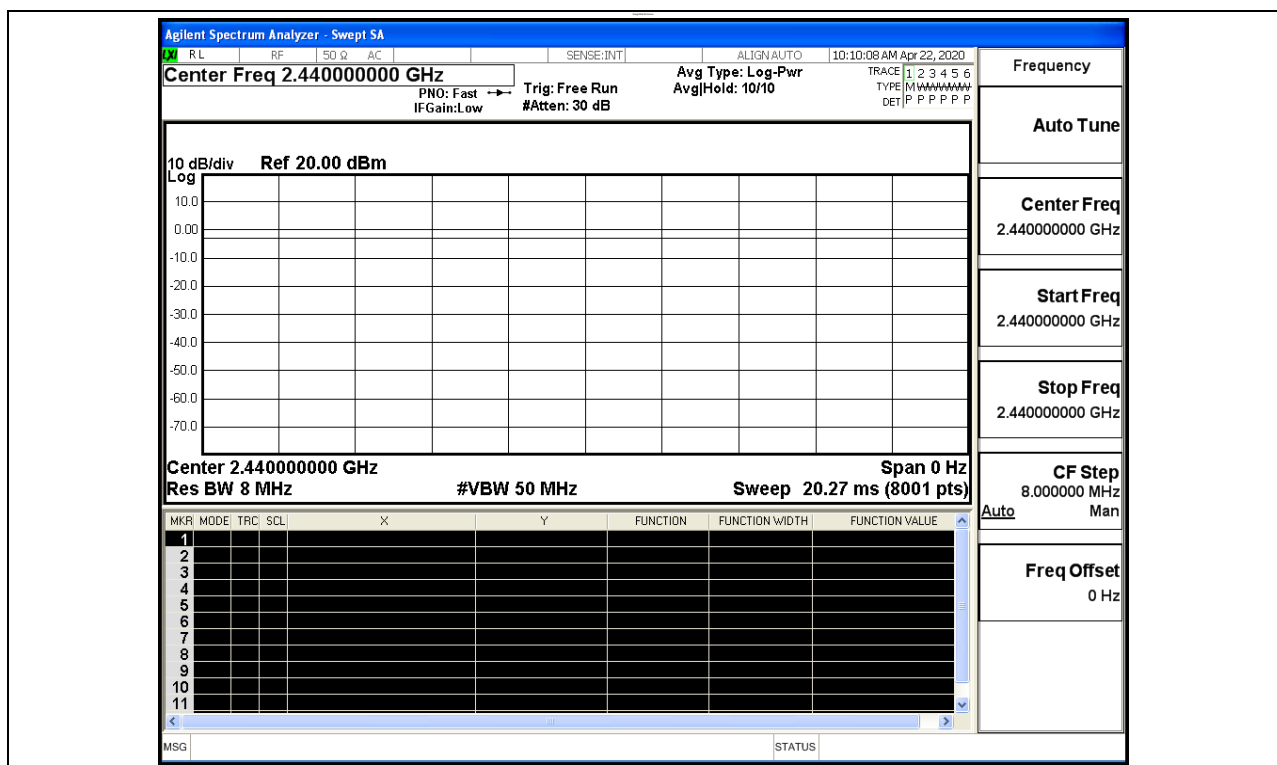
Test Model: ASIUR-701

Environmental Conditions

Temperature:	24.2° C
Relative Humidity:	54.5%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Li Huan

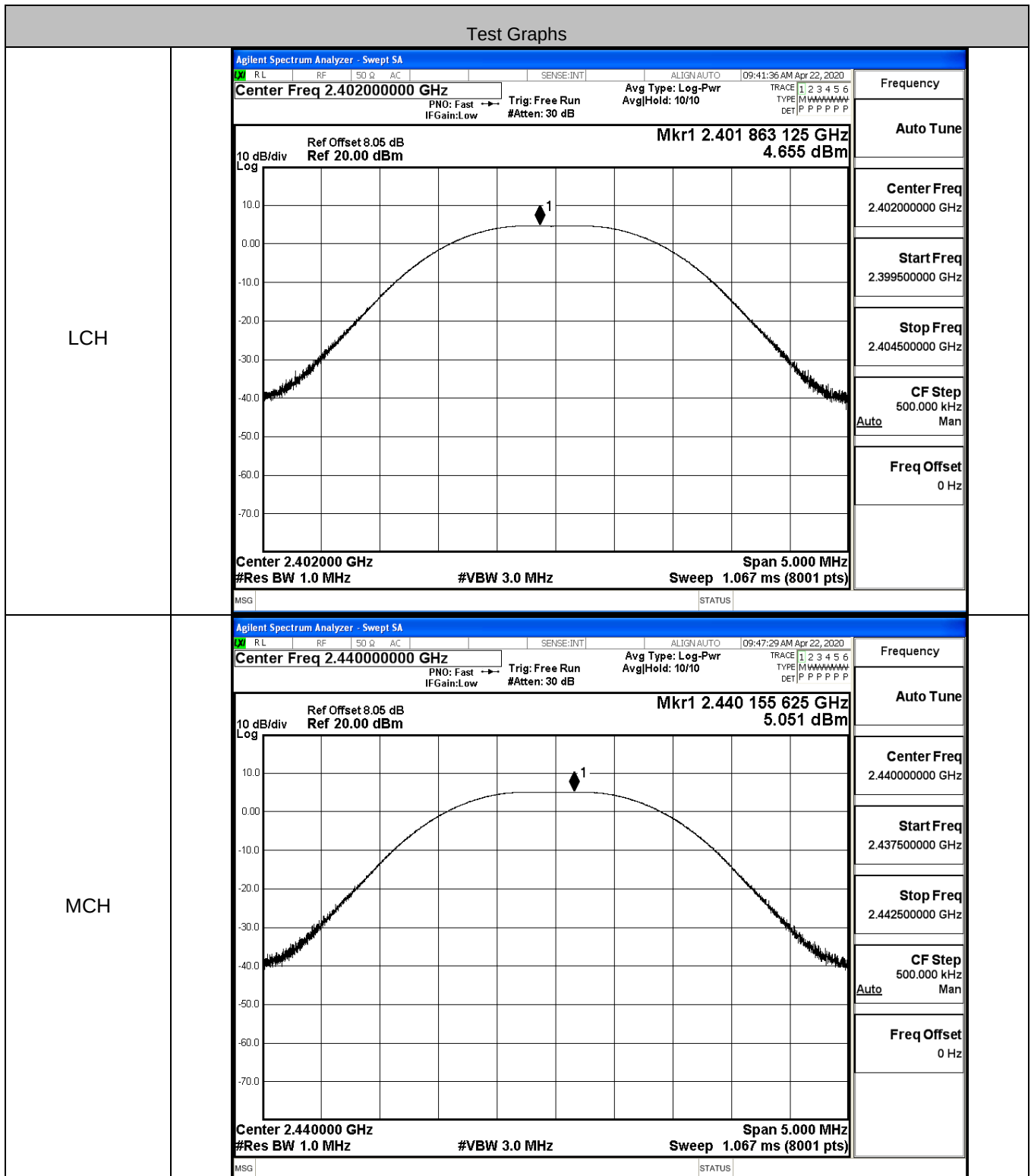
A.1 Duty Cycle

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



A.2 Maximum Conducted Peak Output Power

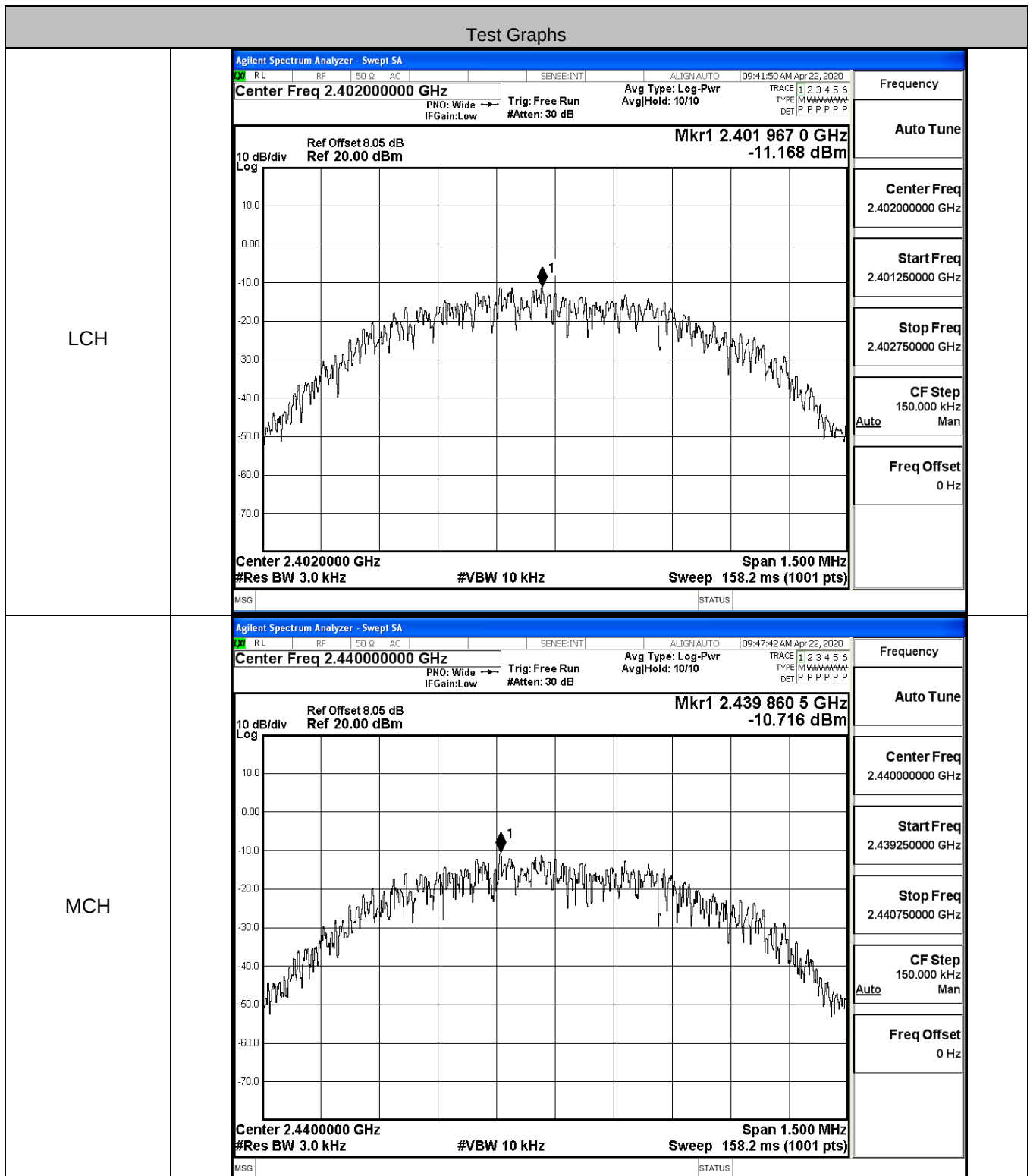
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.655	30	PASS
BT LE	MCH	5.051	30	PASS
BT LE	HCH	4.693	30	PASS

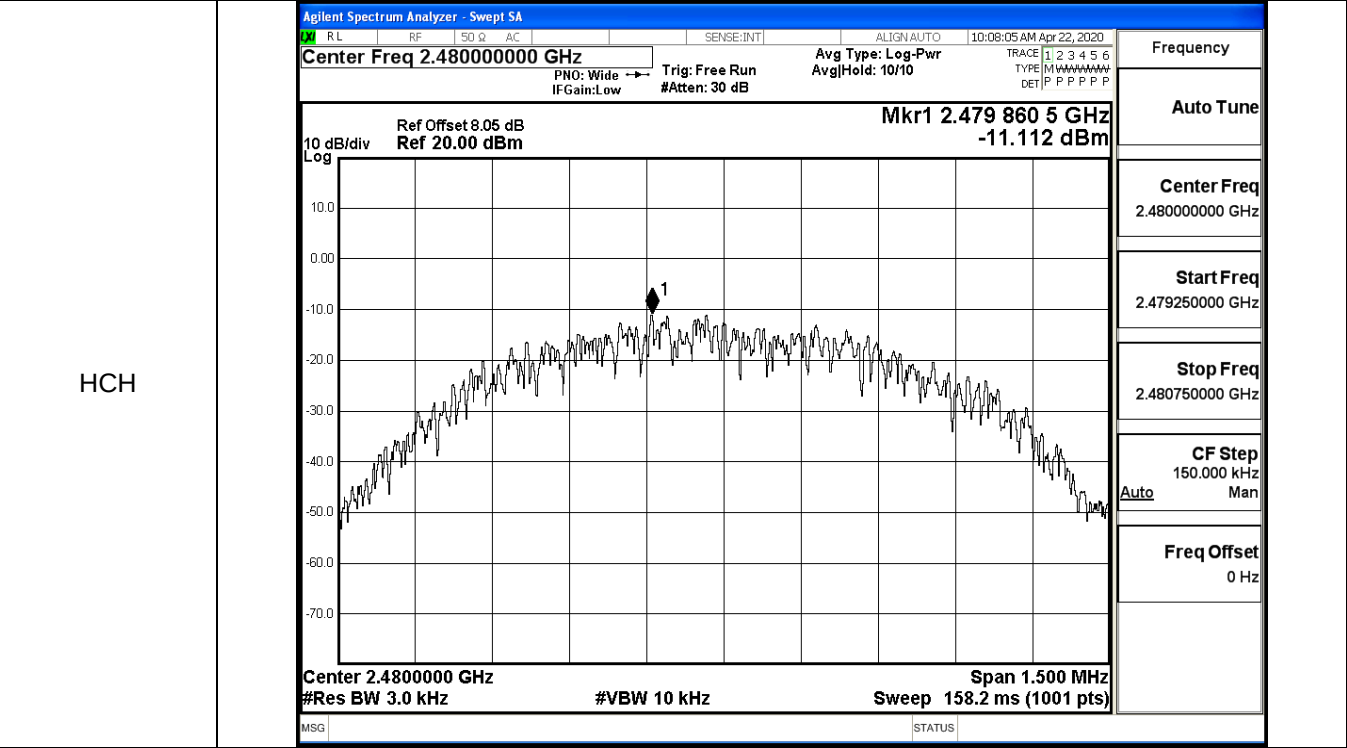




A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.168	8	PASS
BT LE	MCH	-10.716	8	PASS
BT LE	HCH	-11.112	8	PASS



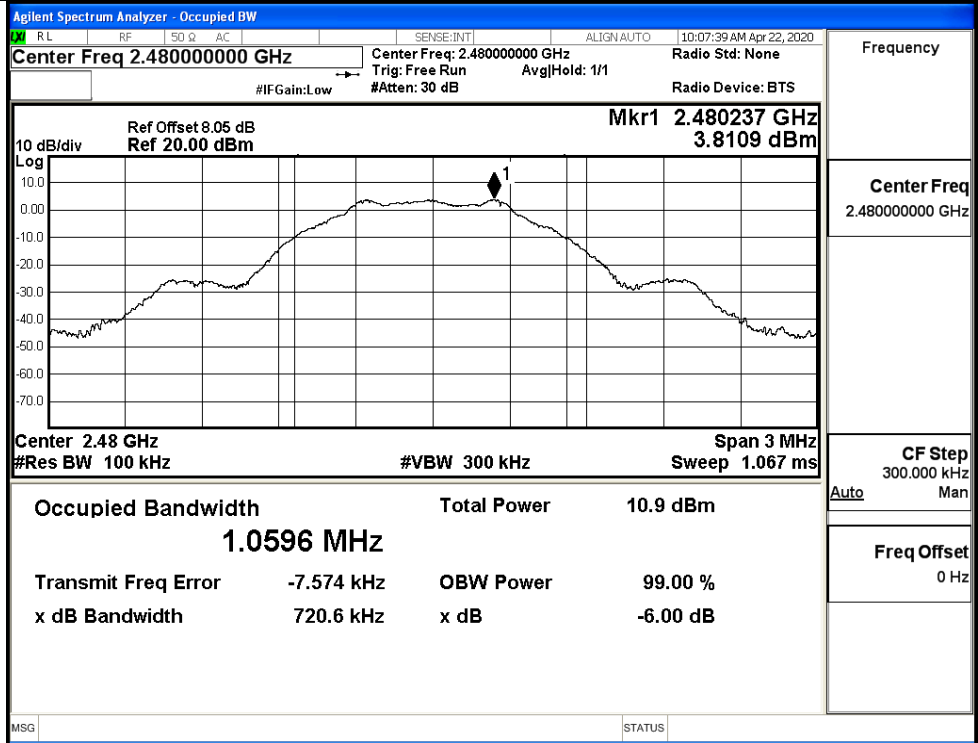


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7157	≥ 0.5	PASS
BT LE	MCH	0.7128	≥ 0.5	PASS
BT LE	HCH	0.7206	≥ 0.5	PASS

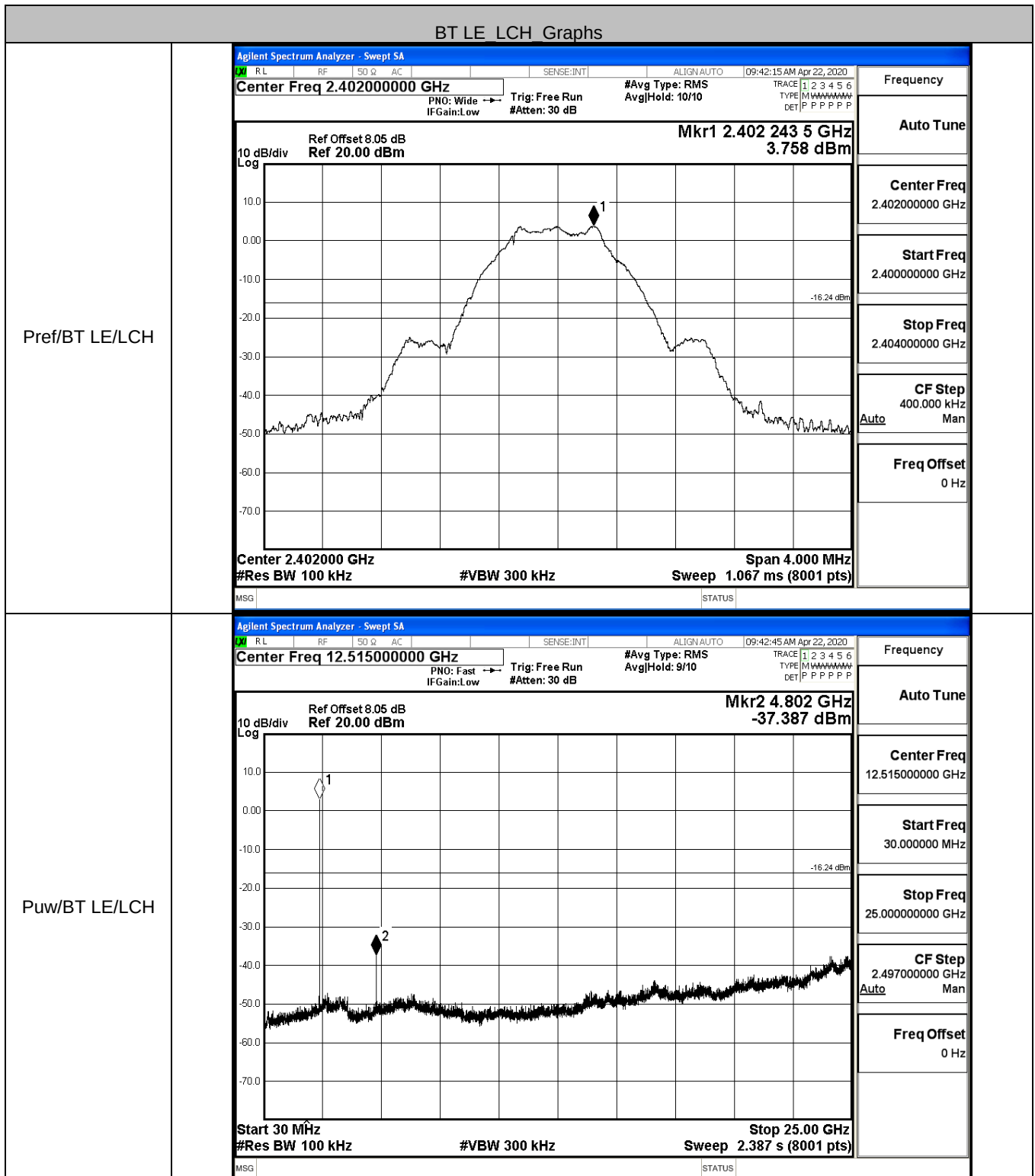
Test Graphs			
LCH		Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 09:41:25 AM Apr 22, 2020 Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS Ref Offset 8.05 dB Mkr1 2.4022344 GHz Ref 20.00 dBm 3.7330 dBm Center 2.402 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms Occupied Bandwidth Total Power 10.9 dBm 1.0613 MHz Transmit Freq Error -7.777 kHz OBW Power 99.00 % x dB Bandwidth 715.7 kHz x dB -6.00 dB MSG STATUS	Frequency Center Freq 2.402000000 GHz CF Step 300.000 kHz Auto Man Freq Offset 0 Hz
		Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 09:47:16 AM Apr 22, 2020 Center Freq 2.440000000 GHz Center Freq: 2.440000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS Ref Offset 8.05 dB Mkr1 2.440243 GHz Ref 20.00 dBm 4.1444 dBm Center 2.44 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms Occupied Bandwidth Total Power 11.3 dBm 1.0590 MHz Transmit Freq Error -7.236 kHz OBW Power 99.00 % x dB Bandwidth 712.8 kHz x dB -6.00 dB MSG STATUS	Frequency Center Freq 2.440000000 GHz CF Step 300.000 kHz Auto Man Freq Offset 0 Hz

HCH



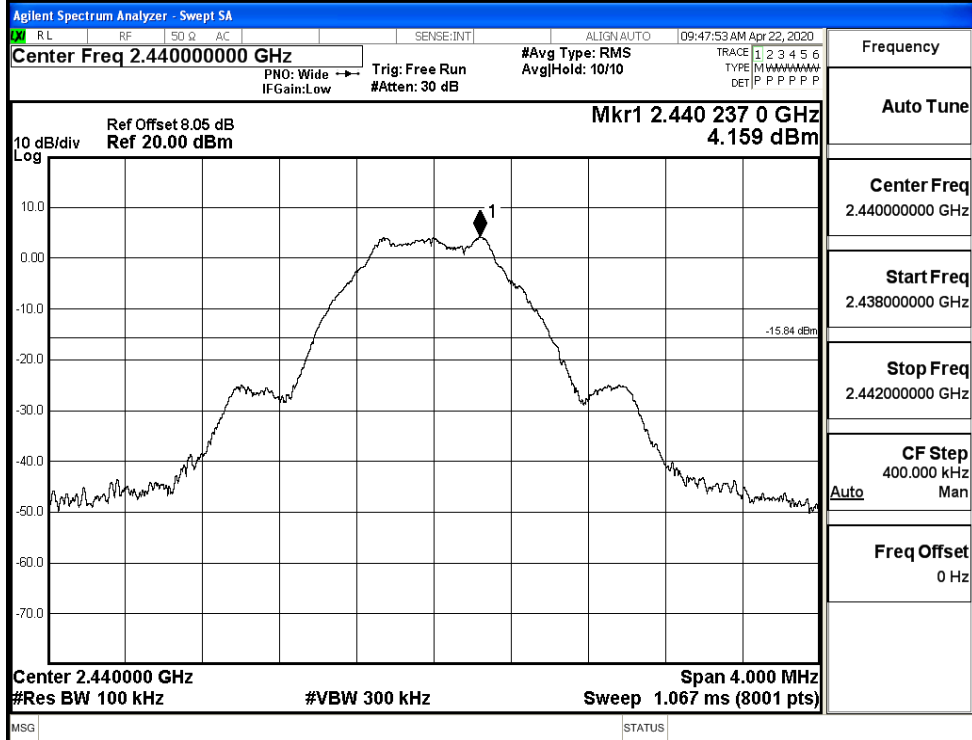
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.758	-37.387	-16.242	PASS
BT LE	MCH	4.159	-36.804	-15.841	PASS
BT LE	HCH	3.815	-37.251	-16.185	PASS

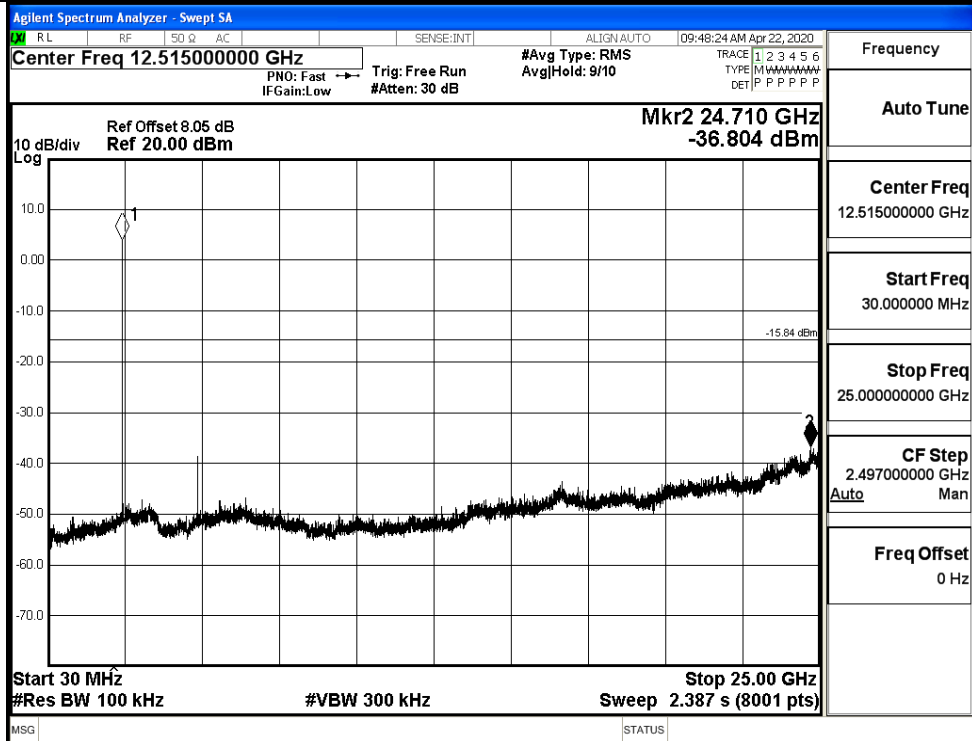


BT LE MCH Graphs

Pref/BT LE/MCH

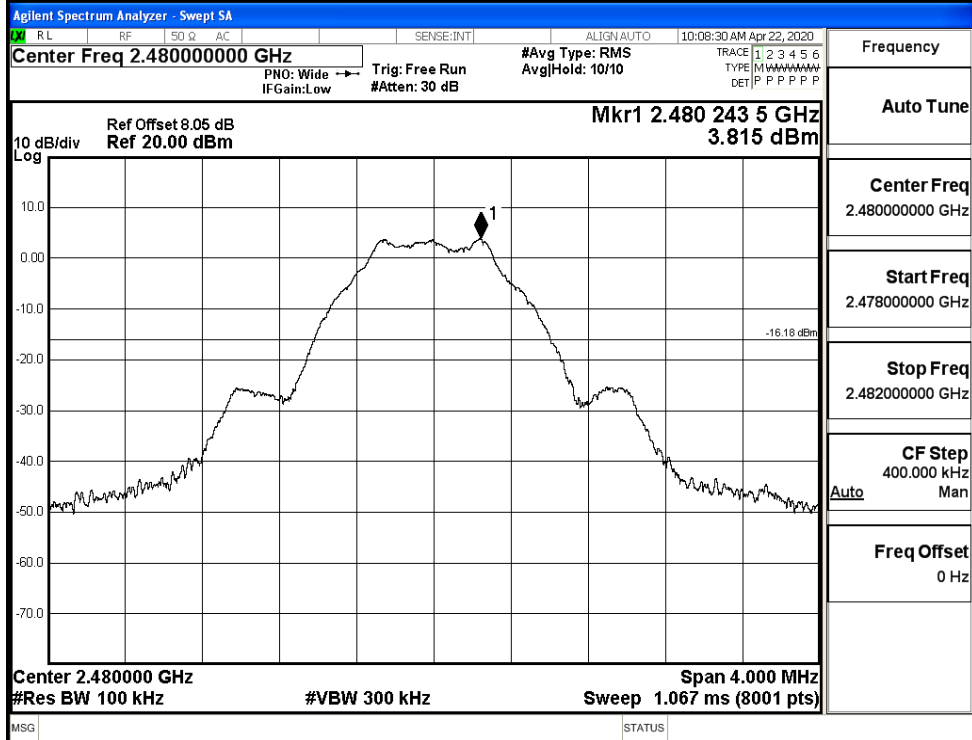


Puw/BT LE/MCH

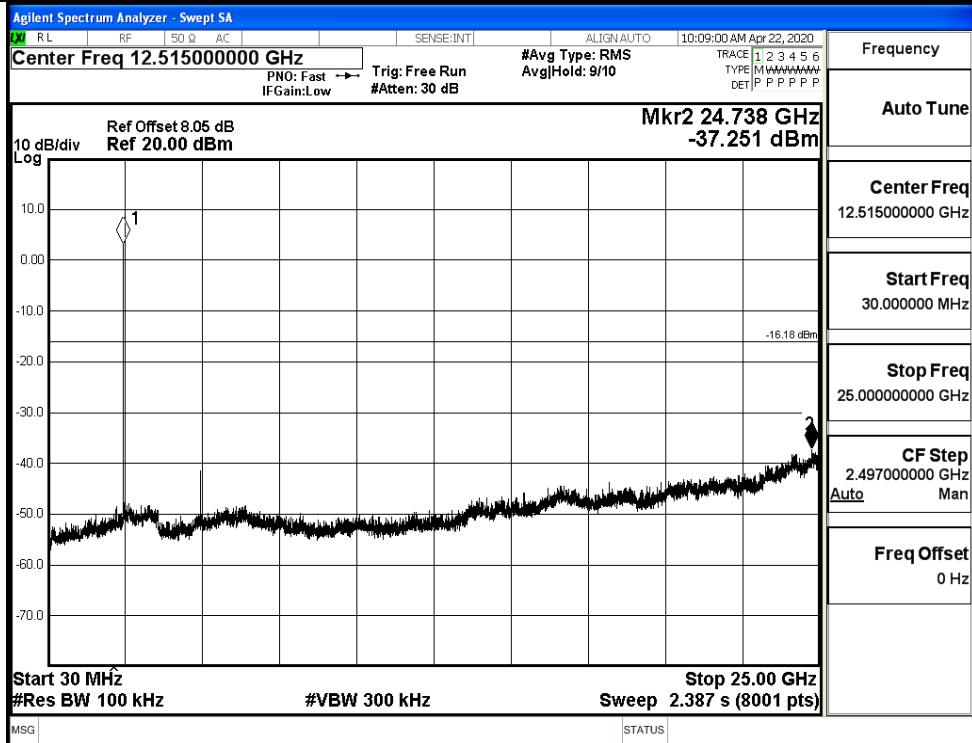


BT LE HCH Graphs

Pref/BT LE/HCH

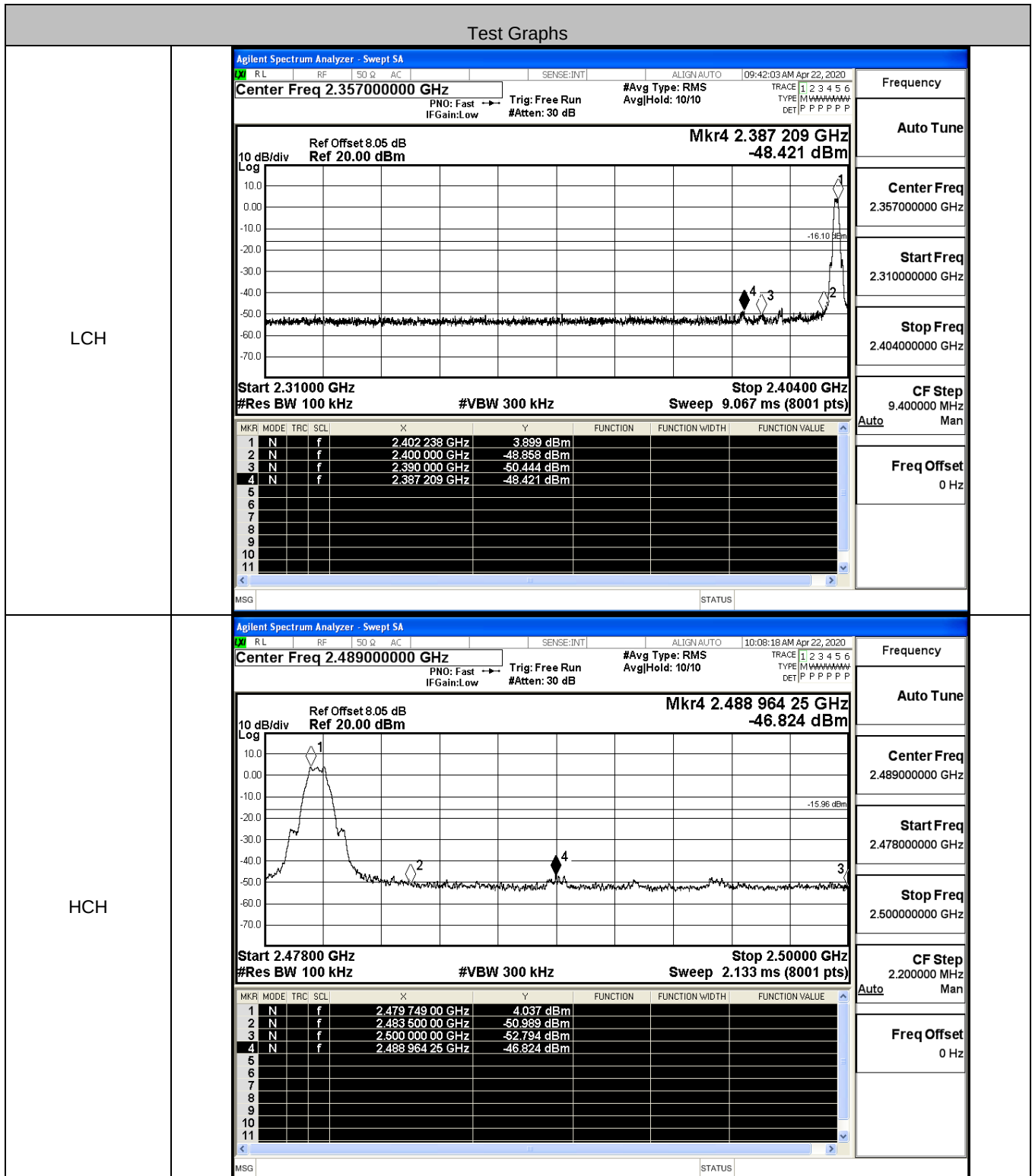


Puw/BT LE/HCH



A.6 Band-edge for RF Conducted Emissions

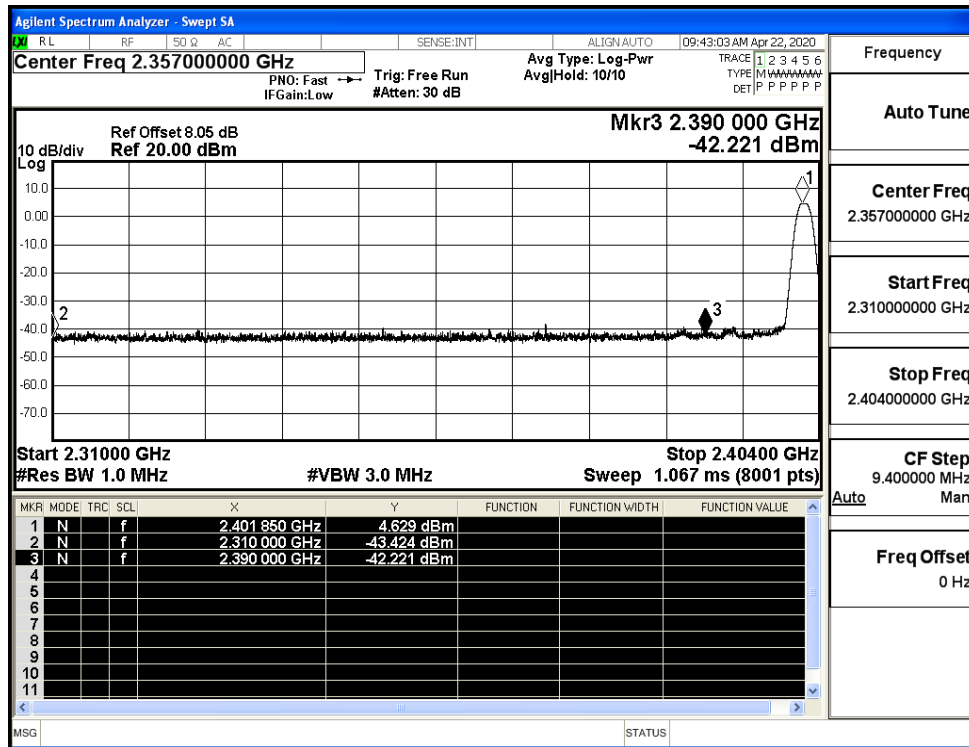
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.899	-48.421	-16.1	PASS
BT LE	HCH	4.037	-46.824	-15.96	PASS



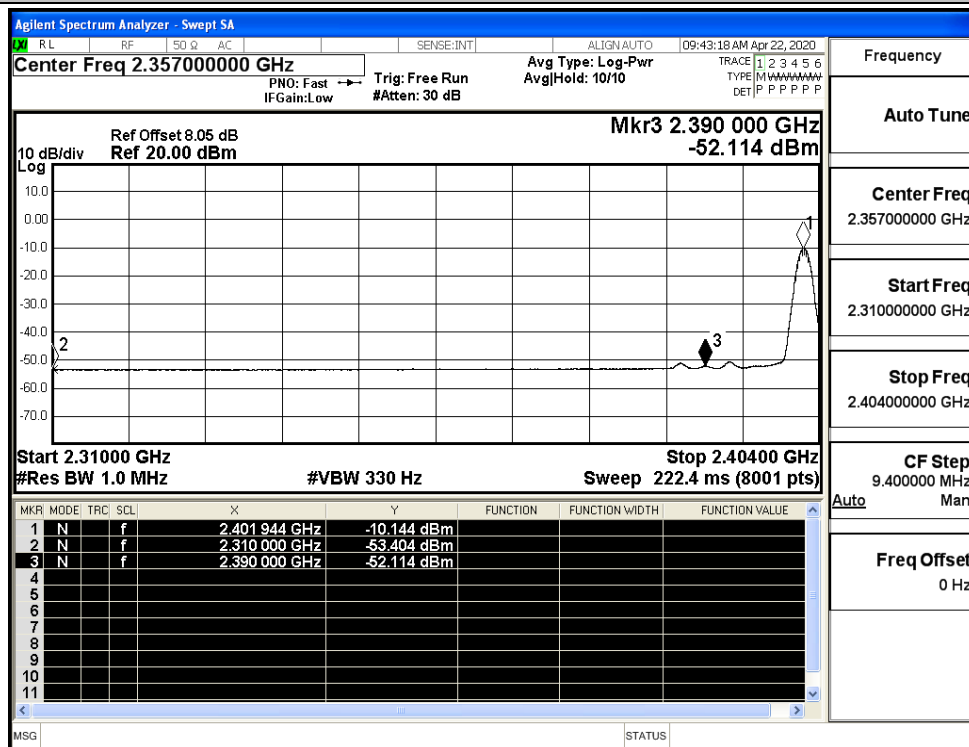
A.7 Restrict-band band-edge measurements

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	-43.42	2.0	0	53.81	PEAK	74	PASS
		Ant1	2310.0	-53.40	2.0	0	43.83	AV	54	PASS
		Ant1	2390.0	-42.22	2.0	0	55.01	PEAK	74	PASS
		Ant1	2390.0	-52.11	2.0	0	45.12	AV	54	PASS
	2480	Ant1	2483.5	-40.16	2.0	0	57.07	PEAK	74	PASS
		Ant1	2483.5	-51.04	2.0	0	46.19	AV	54	PASS
		Ant1	2500.0	-43.24	2.0	0	53.99	PEAK	74	PASS
		Ant1	2500.0	-52.31	2.0	0	44.92	AV	54	PASS

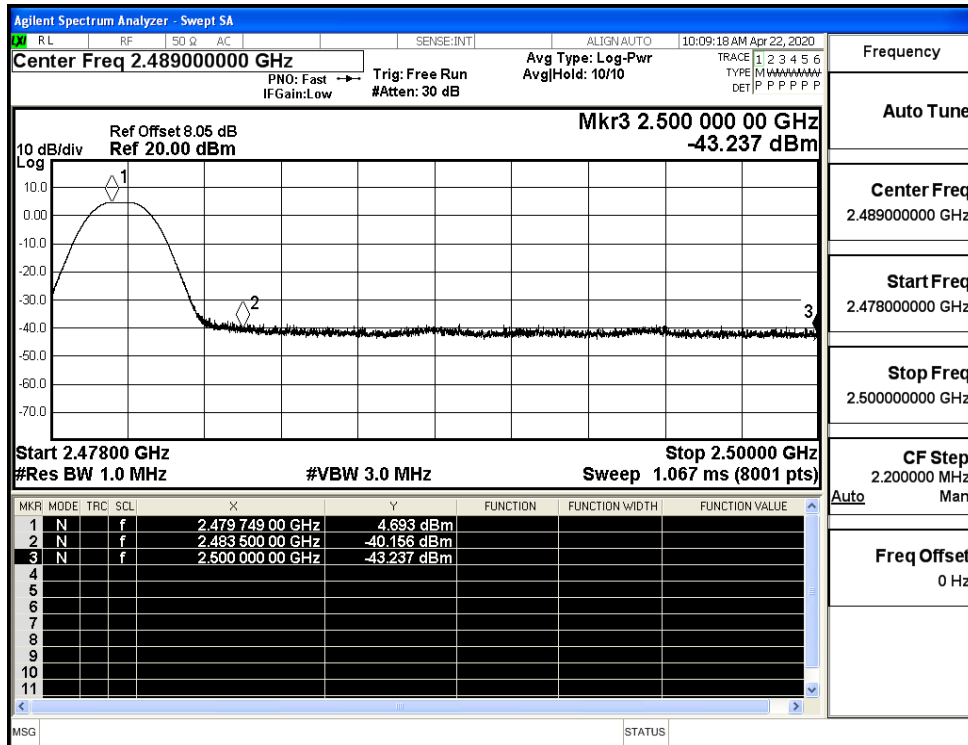
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

