

Appendix B

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

Product Name: Tablet

Trade Mark: N/A

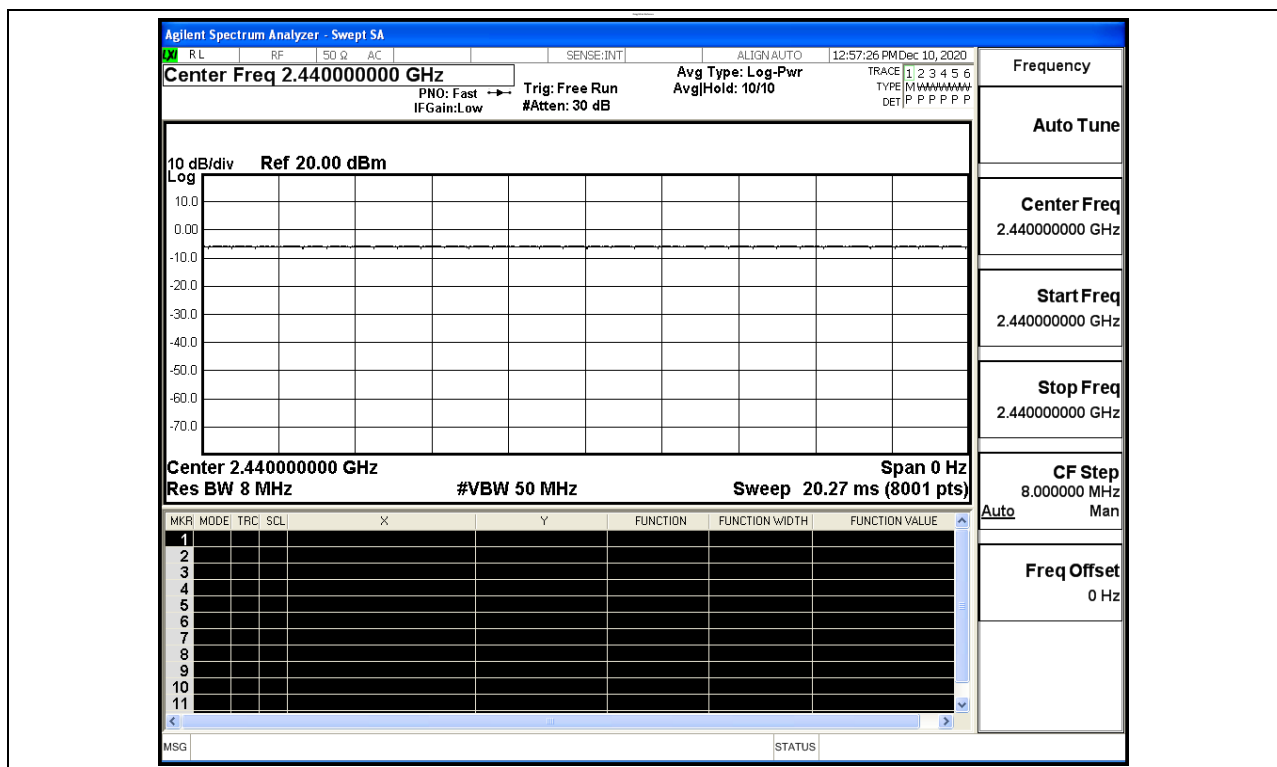
Test Model: I1401

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ben Jin
Supervised by:	Li Huan

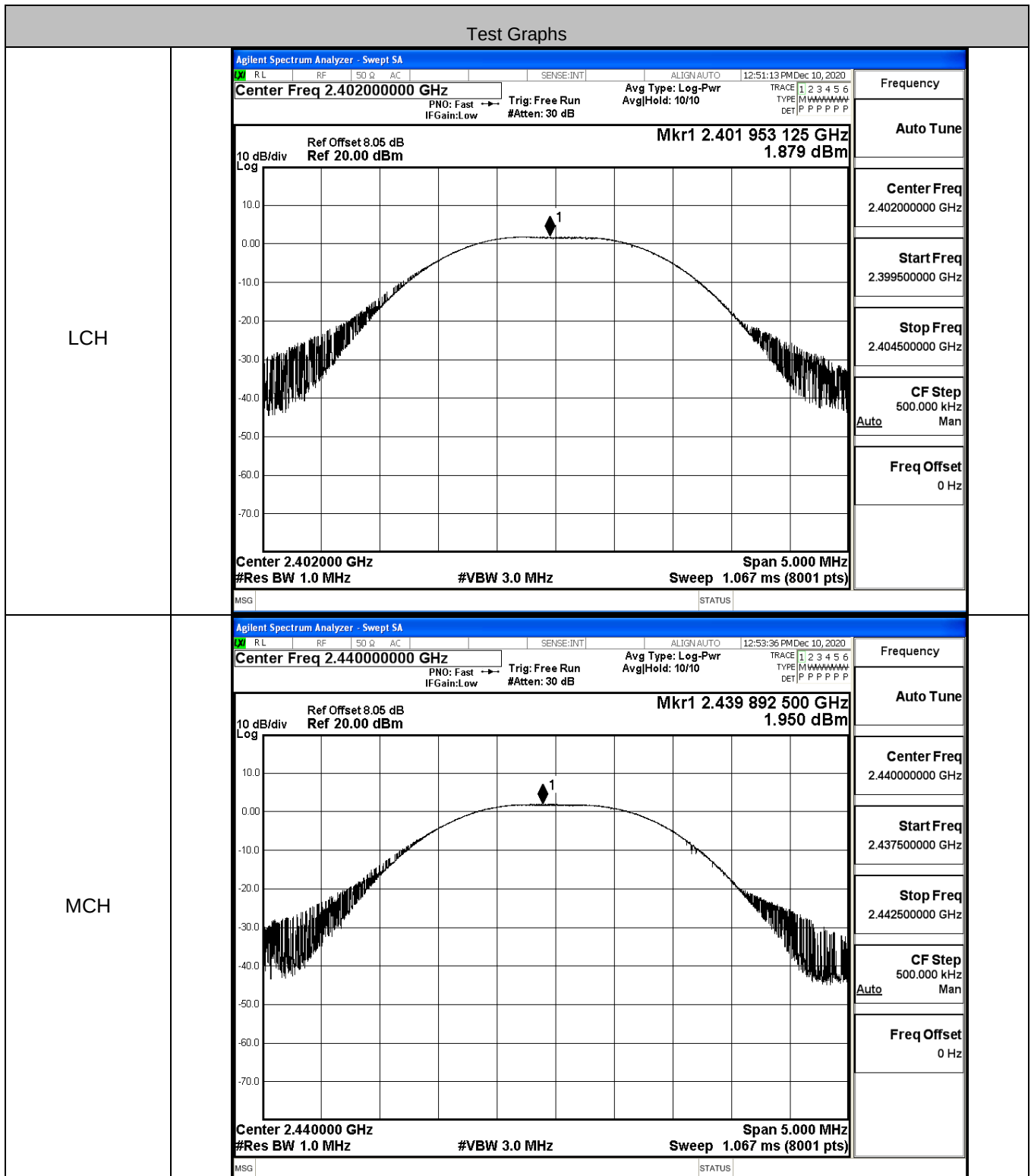
B.1 Duty Cycle

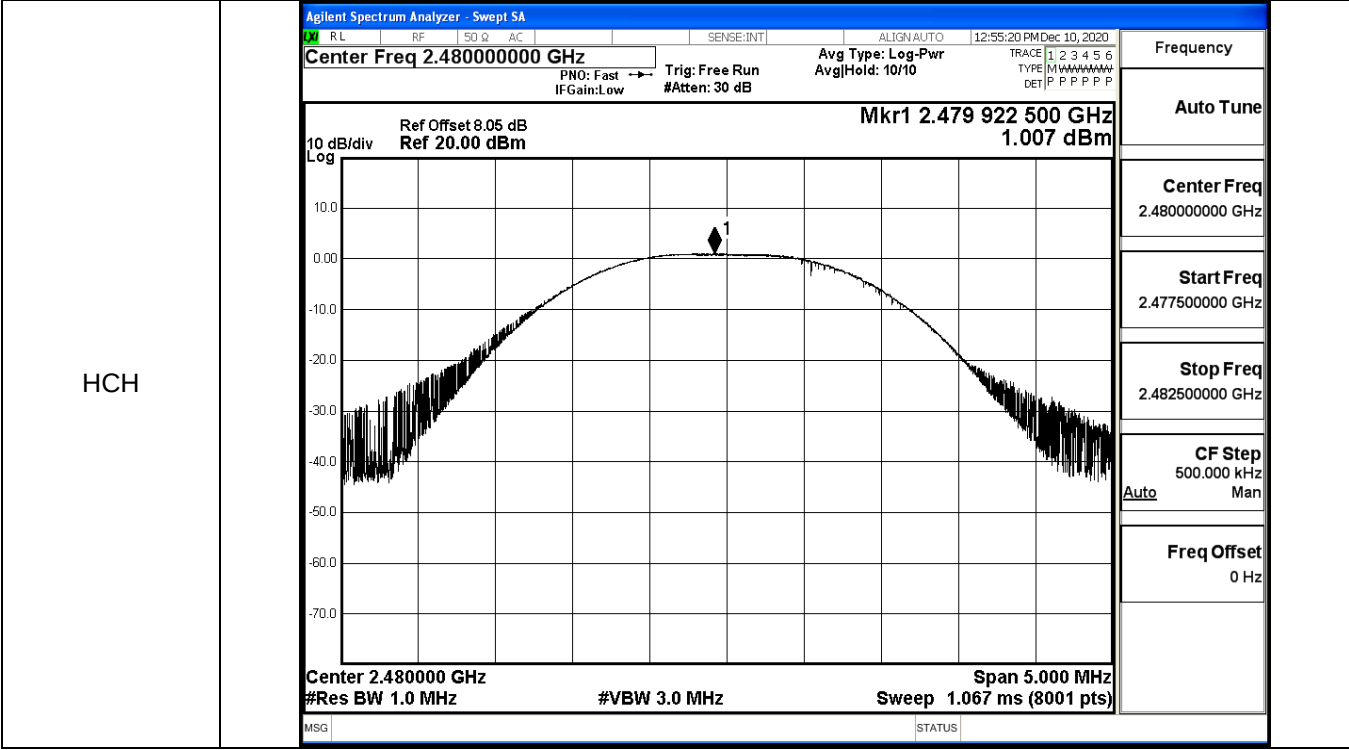
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

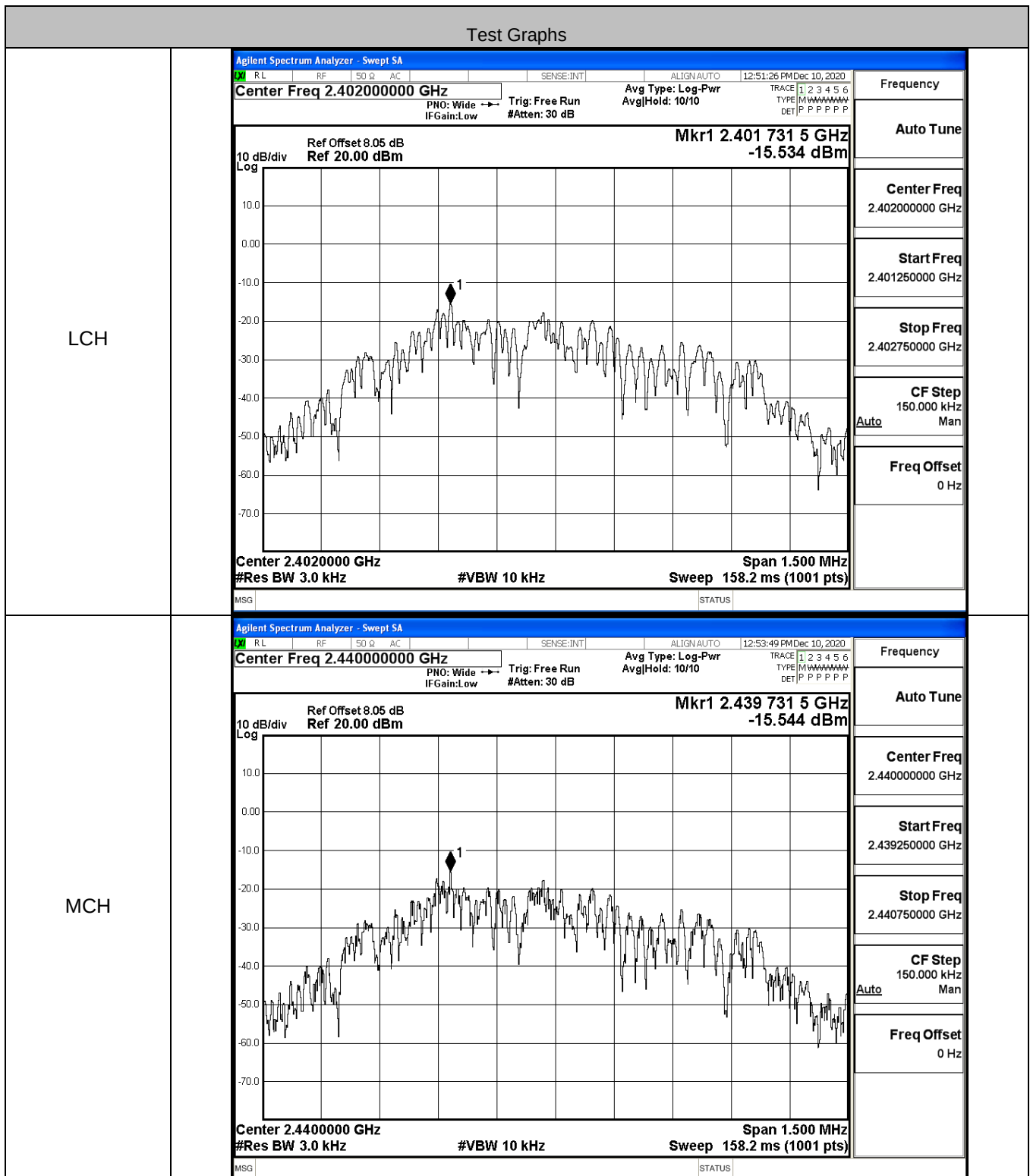
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.879	30	PASS
BT LE	MCH	1.95	30	PASS
BT LE	HCH	1.007	30	PASS



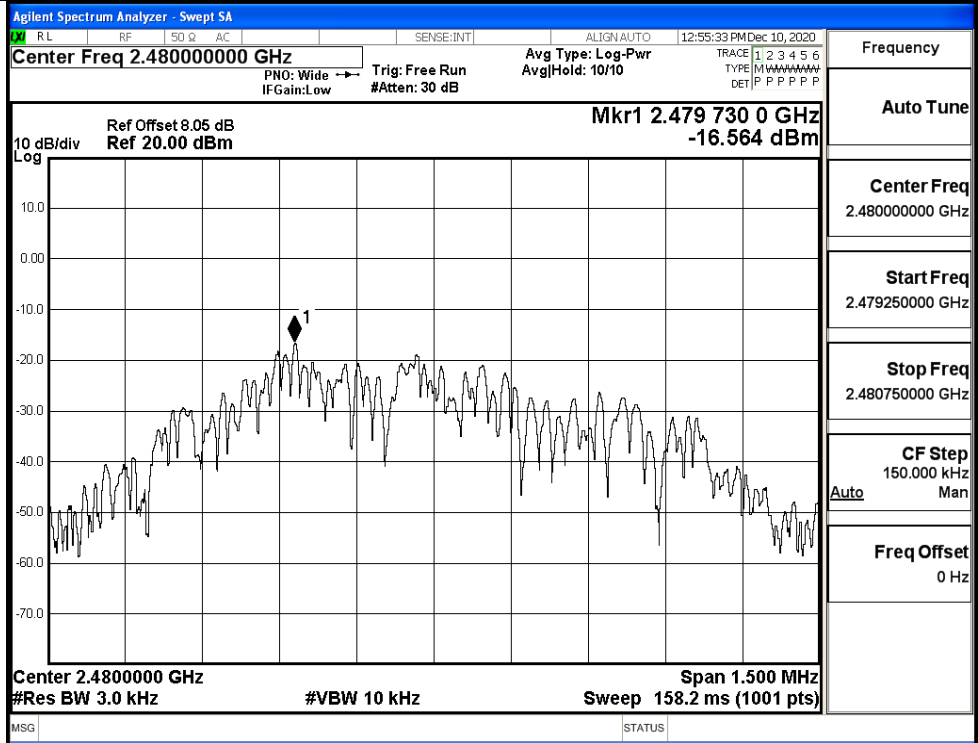


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.534	8	PASS
BT LE	MCH	-15.544	8	PASS
BT LE	HCH	-16.564	8	PASS



HCH

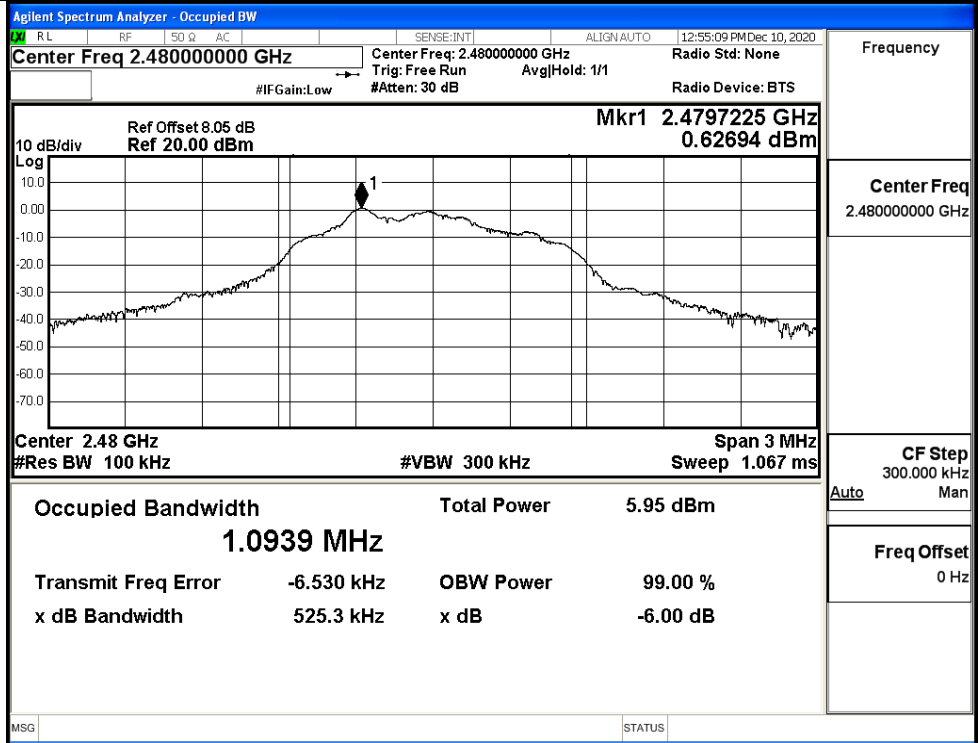


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.5287	≥ 0.5	PASS
BT LE	MCH	0.5308	≥ 0.5	PASS
BT LE	HCH	0.5253	≥ 0.5	PASS

Test Graphs			
LCH		Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 12:51:02 PM Dec 10, 2020 Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IF Gain: Low #Atten: 30 dB Radio Device: BTS Ref Offset 8.05 dB Mkr1 2.4017251 GHz Ref 20.00 dBm 1.6211 dBm Center 2.402 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms Occupied Bandwidth Total Power 6.88 dBm 1.0950 MHz Transmit Freq Error -6.794 kHz OBW Power 99.00 % x dB Bandwidth 528.7 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 12:53:25 PM Dec 10, 2020 Center Freq 2.440000000 GHz Center Freq: 2.440000000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IF Gain: Low #Atten: 30 dB Radio Device: BTS Ref Offset 8.05 dB Mkr1 2.4397195 GHz Ref 20.00 dBm 1.6197 dBm Center 2.44 GHz Span 3 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms Occupied Bandwidth Total Power 6.88 dBm 1.0958 MHz Transmit Freq Error -5.465 kHz OBW Power 99.00 % x dB Bandwidth 530.8 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
MCH			

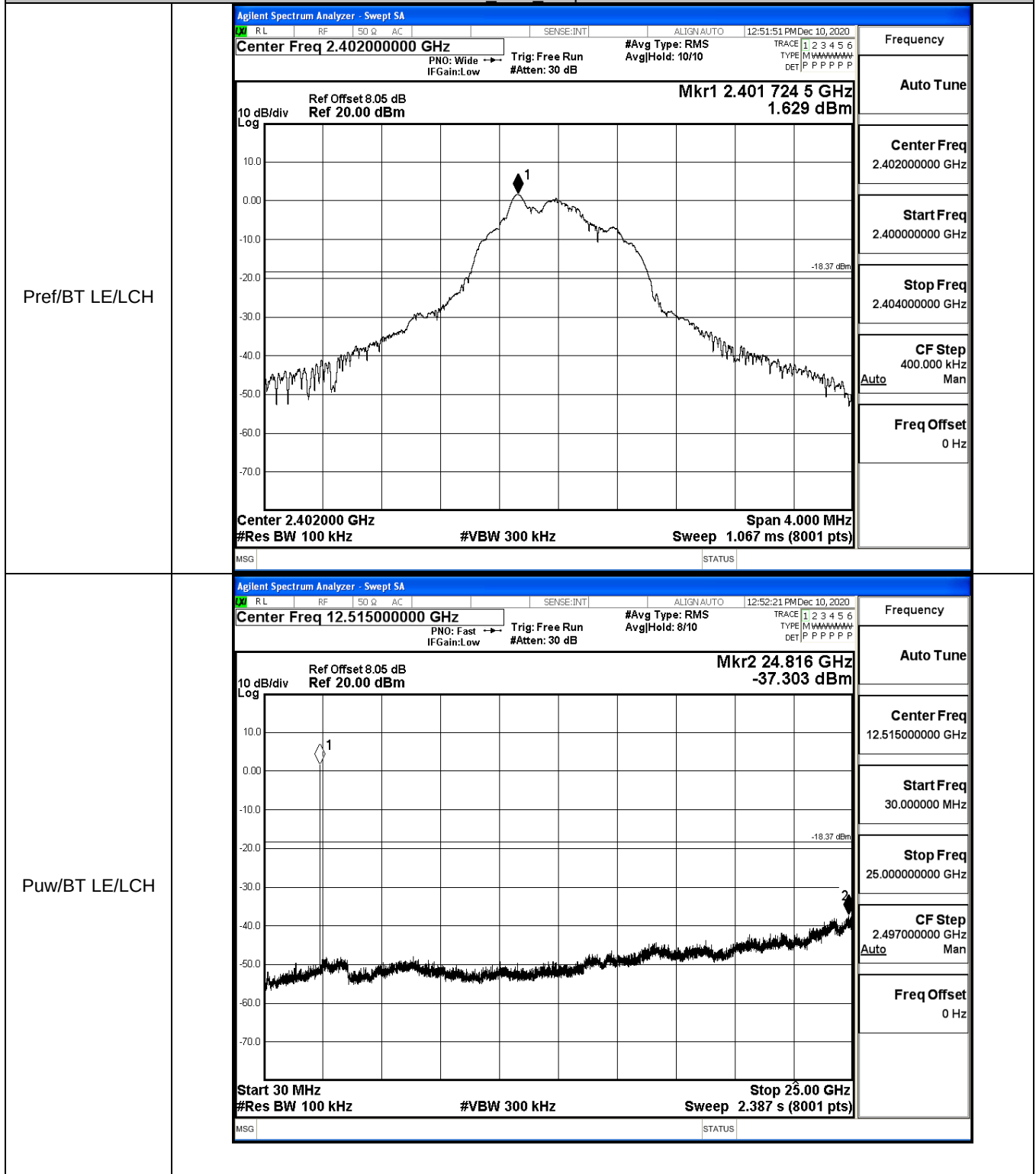
HCH



B.5 RF Conducted Spurious Emissions

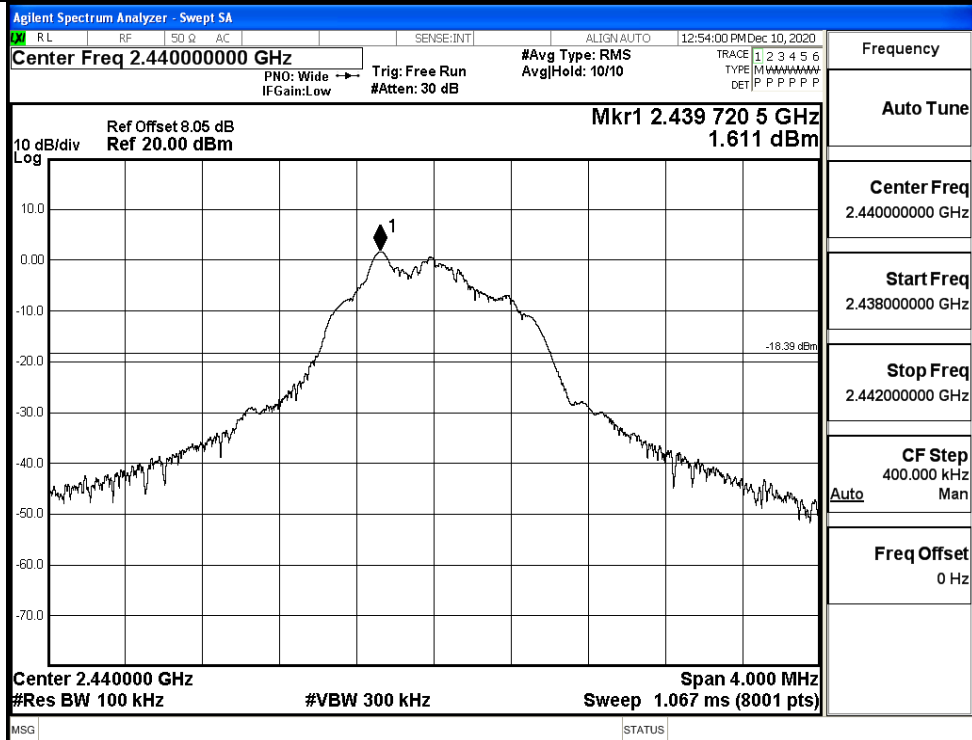
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.629	-37.303	-18.371	PASS
BT LE	MCH	1.611	-35.650	-18.389	PASS
BT LE	HCH	0.638	-36.496	-19.362	PASS

BT LE LCH Graphs

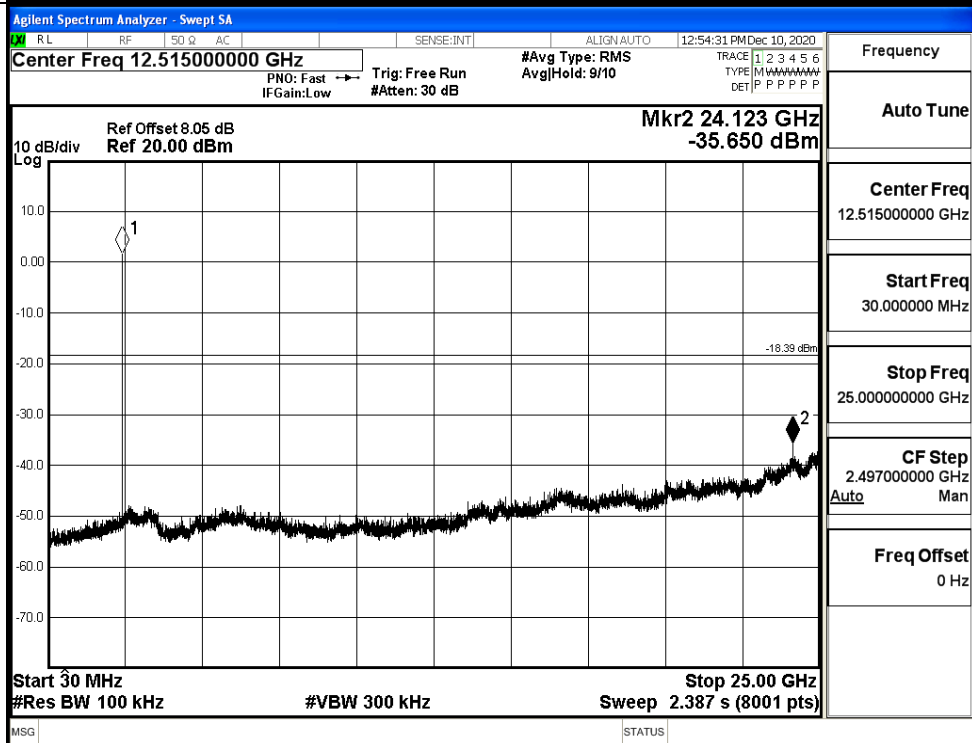


BT LE MCH Graphs

Pref/BT LE/MCH

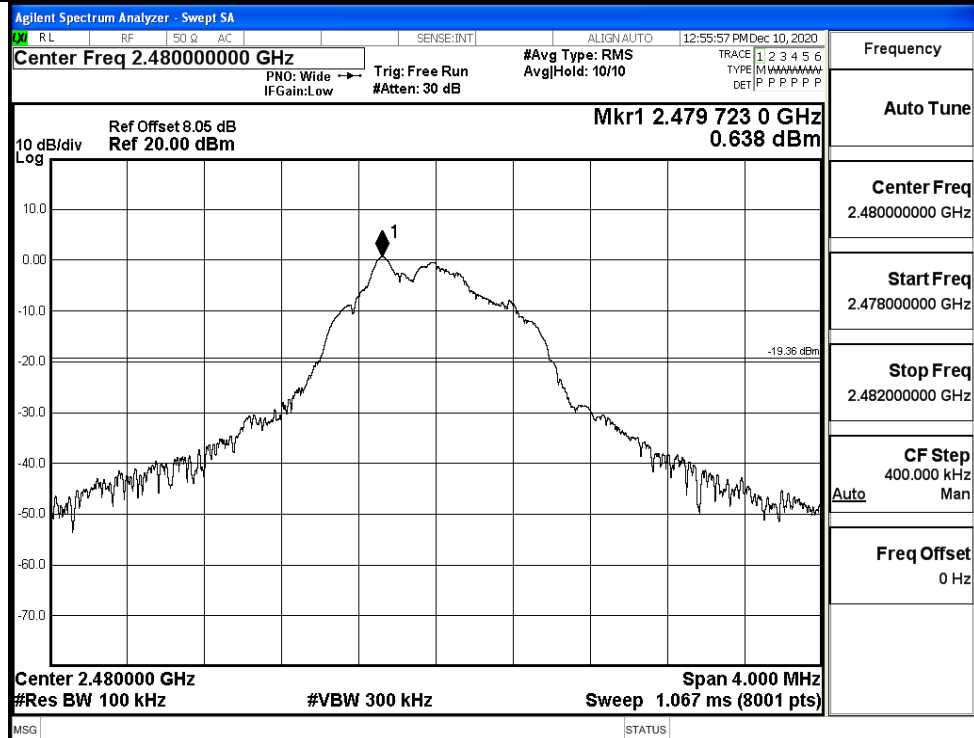


Puw/BT LE/MCH

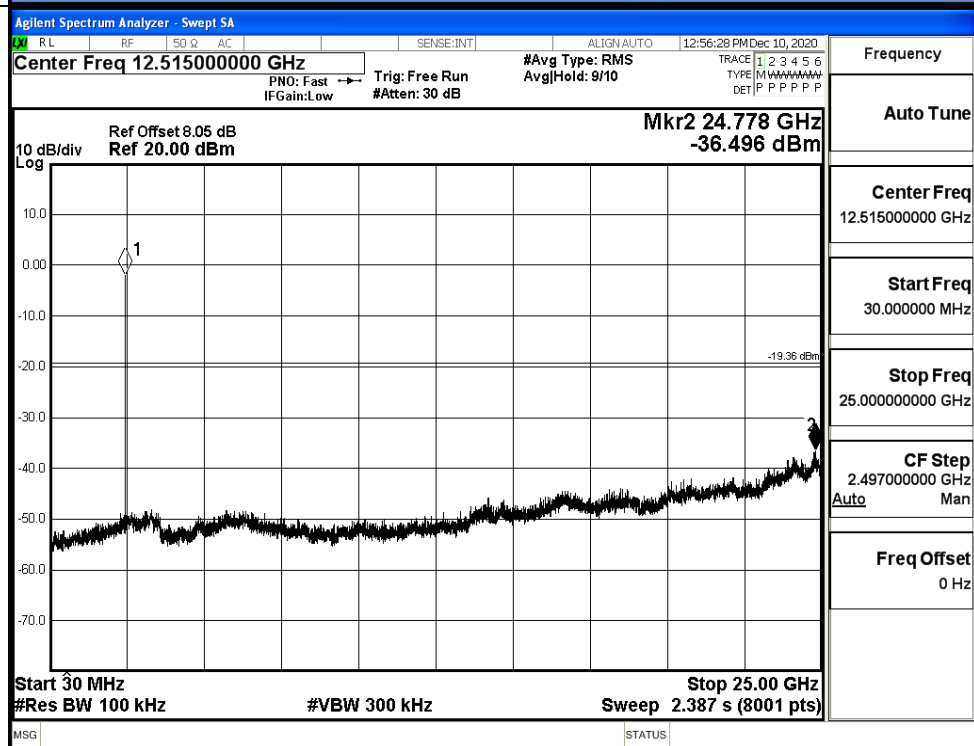


BT LE HCH Graphs

Pref/BT LE/HCH

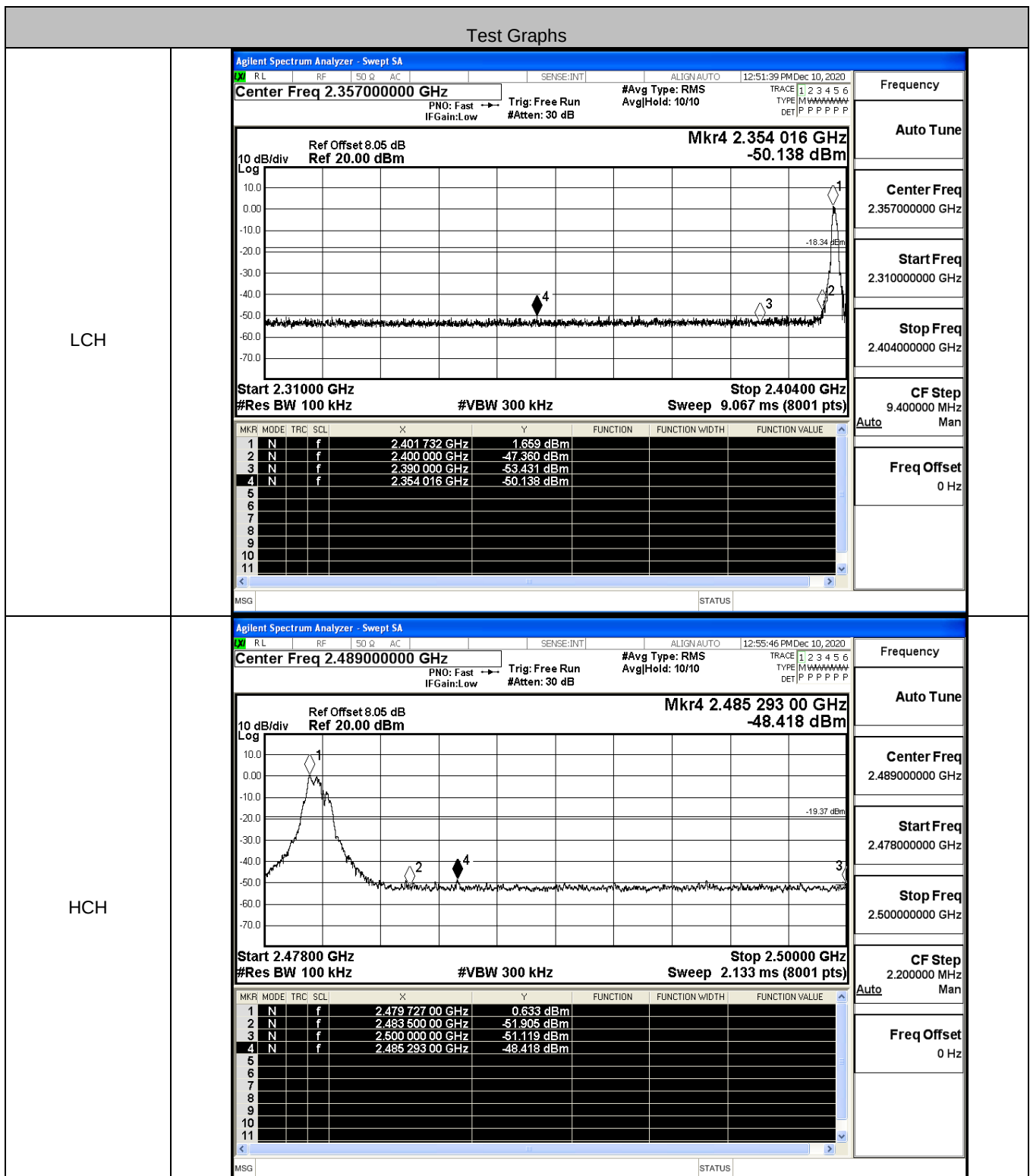


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

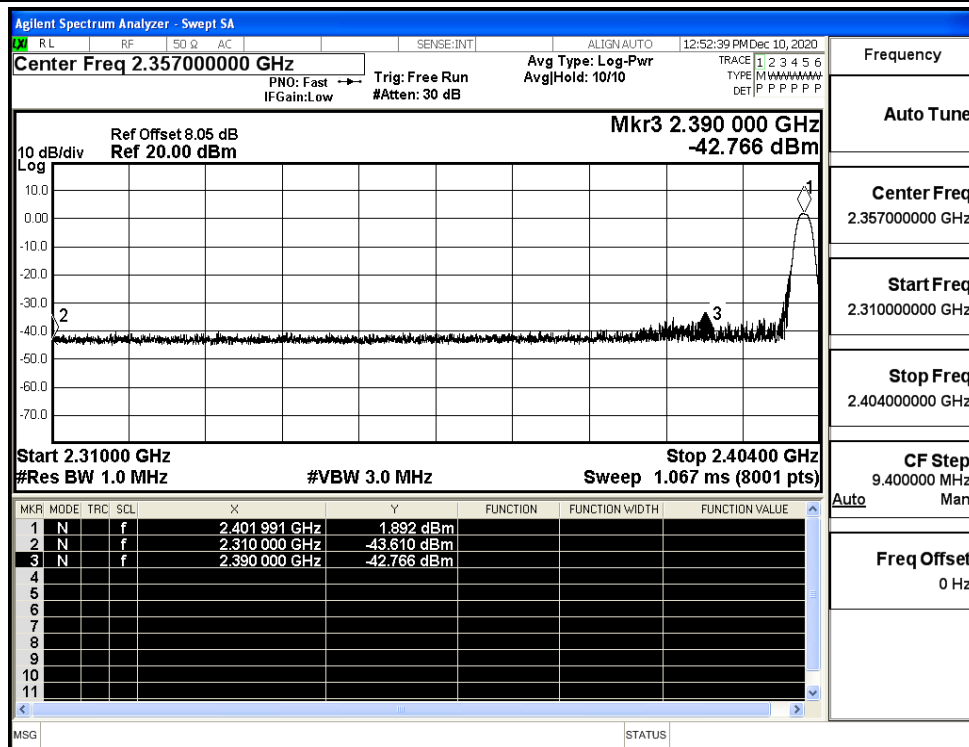
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.659	-50.138	-18.34	PASS
BT LE	HCH	0.633	-48.418	-19.37	PASS



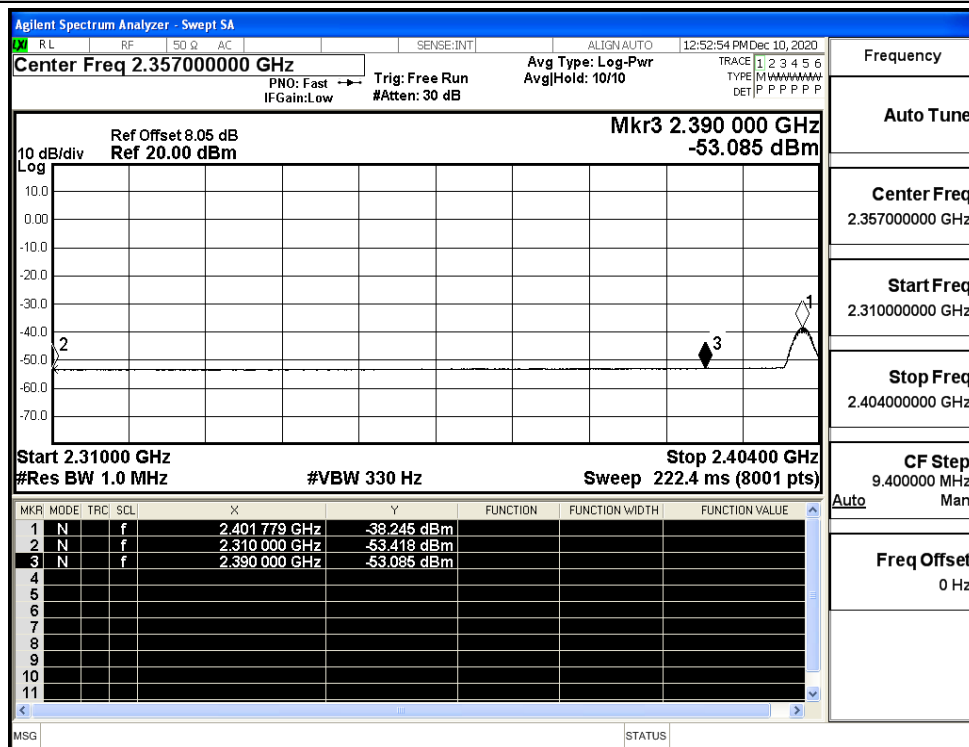
B.7 Restrict-band band-edge measurements

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	-43.61	2.0	0	53.65	PEAK	74	PASS
		Ant1	2310.0	-53.42	2.0	0	43.84	AV	54	PASS
		Ant1	2390.0	-42.77	2.0	0	54.49	PEAK	74	PASS
		Ant1	2390.0	-53.09	2.0	0	44.17	AV	54	PASS
	2480	Ant1	2483.5	-37.95	2.0	0	59.31	PEAK	74	PASS
		Ant1	2483.5	-52.43	2.0	0	44.83	AV	54	PASS
		Ant1	2500.0	-41.14	2.0	0	56.12	PEAK	74	PASS
		Ant1	2500.0	-52.45	2.0	0	44.81	AV	54	PASS

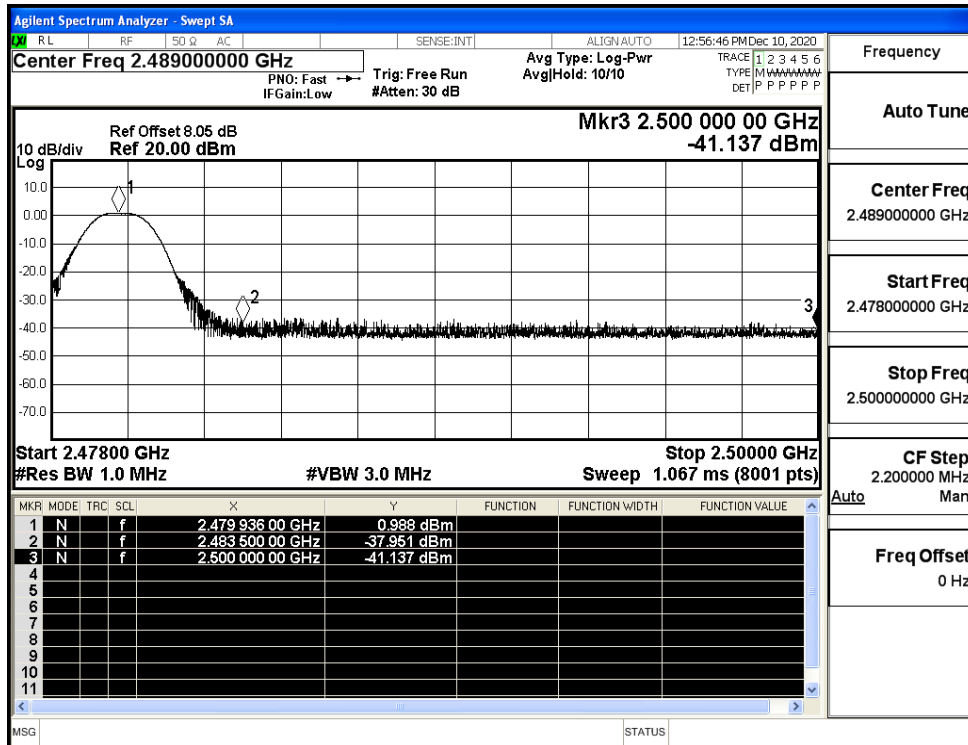
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

