



Appendix B

RF Test Data for BT V5.0 (BT LE) (Conducted Measurement)

Product Name: Dual Alarm Clock with Wireless Charging

Trade Mark: KIMIUP

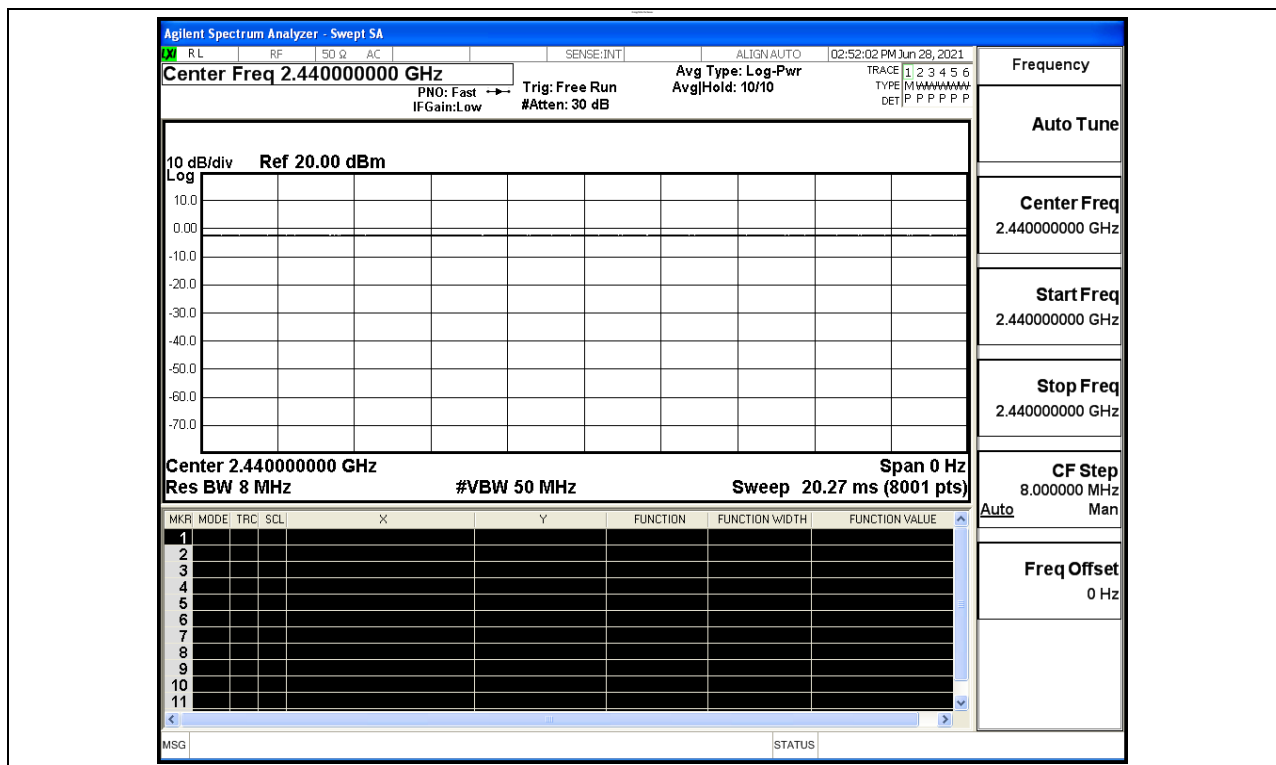
Test Model: KIMIUP 101

Environmental Conditions

Temperature:	21.6 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

B.1 Duty Cycle

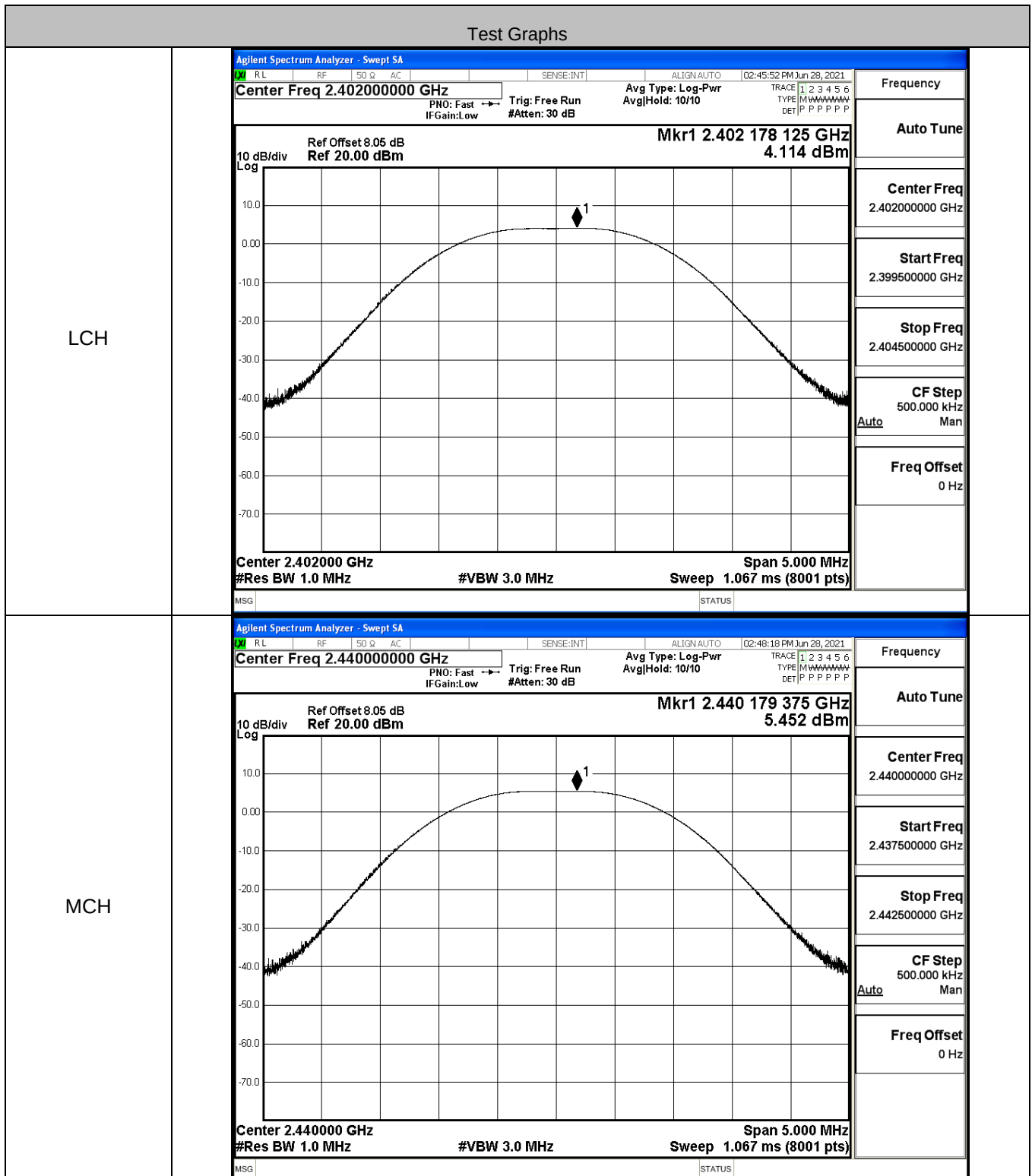
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS





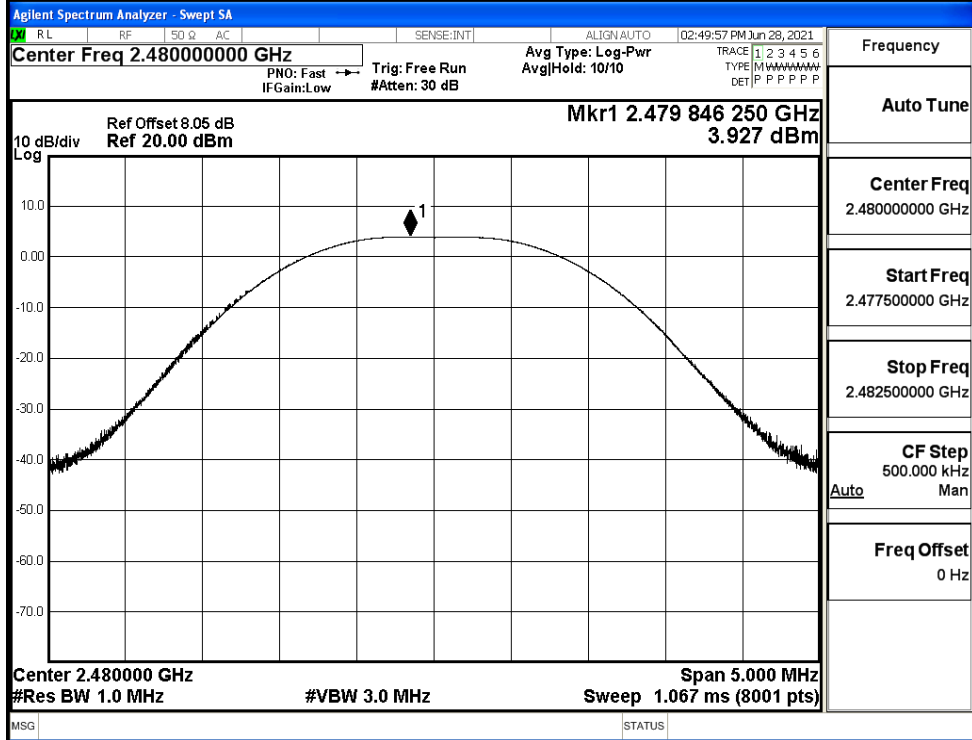
B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.114	30	PASS
BT LE	MCH	5.452	30	PASS
BT LE	HCH	3.927	30	PASS





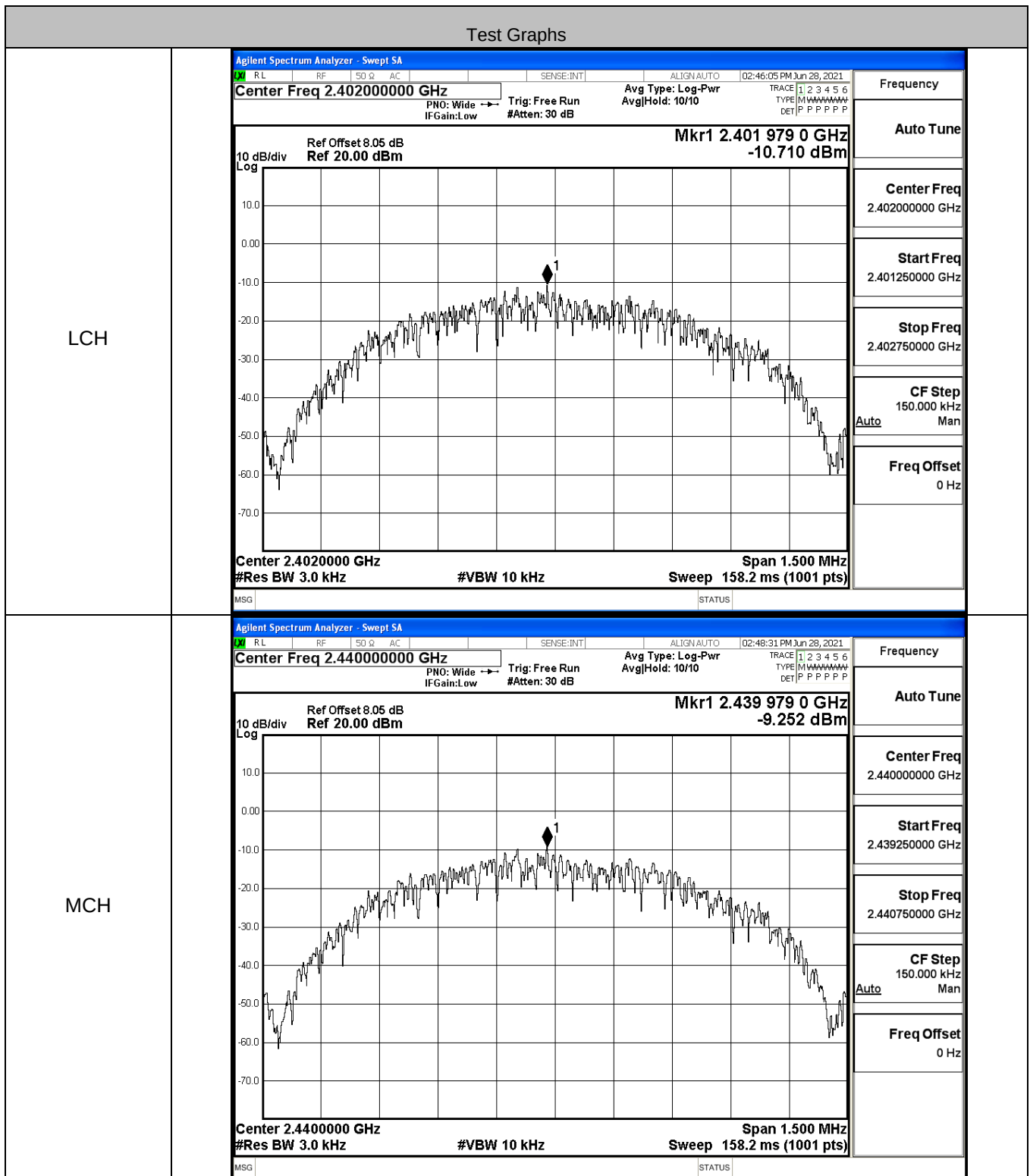
HCH

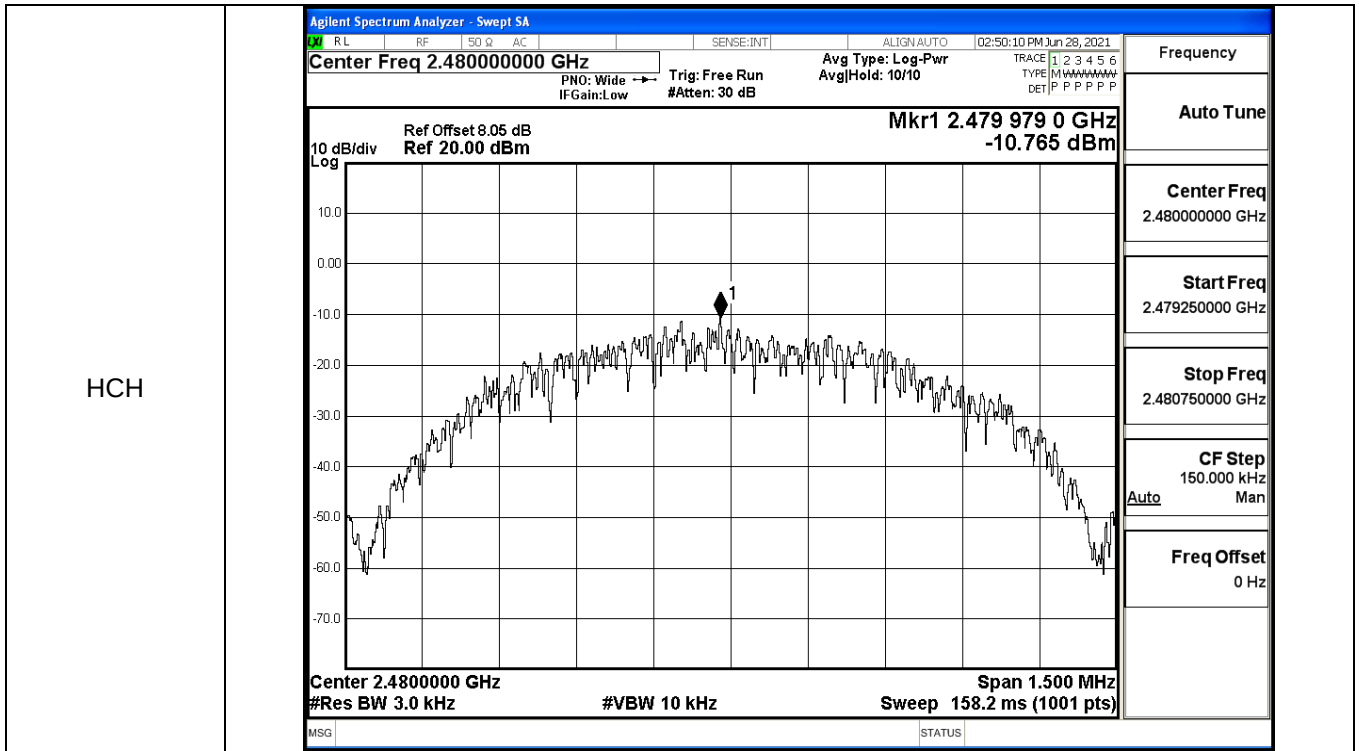




B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-10.710	8	PASS
BT LE	MCH	-9.252	8	PASS
BT LE	HCH	-10.765	8	PASS

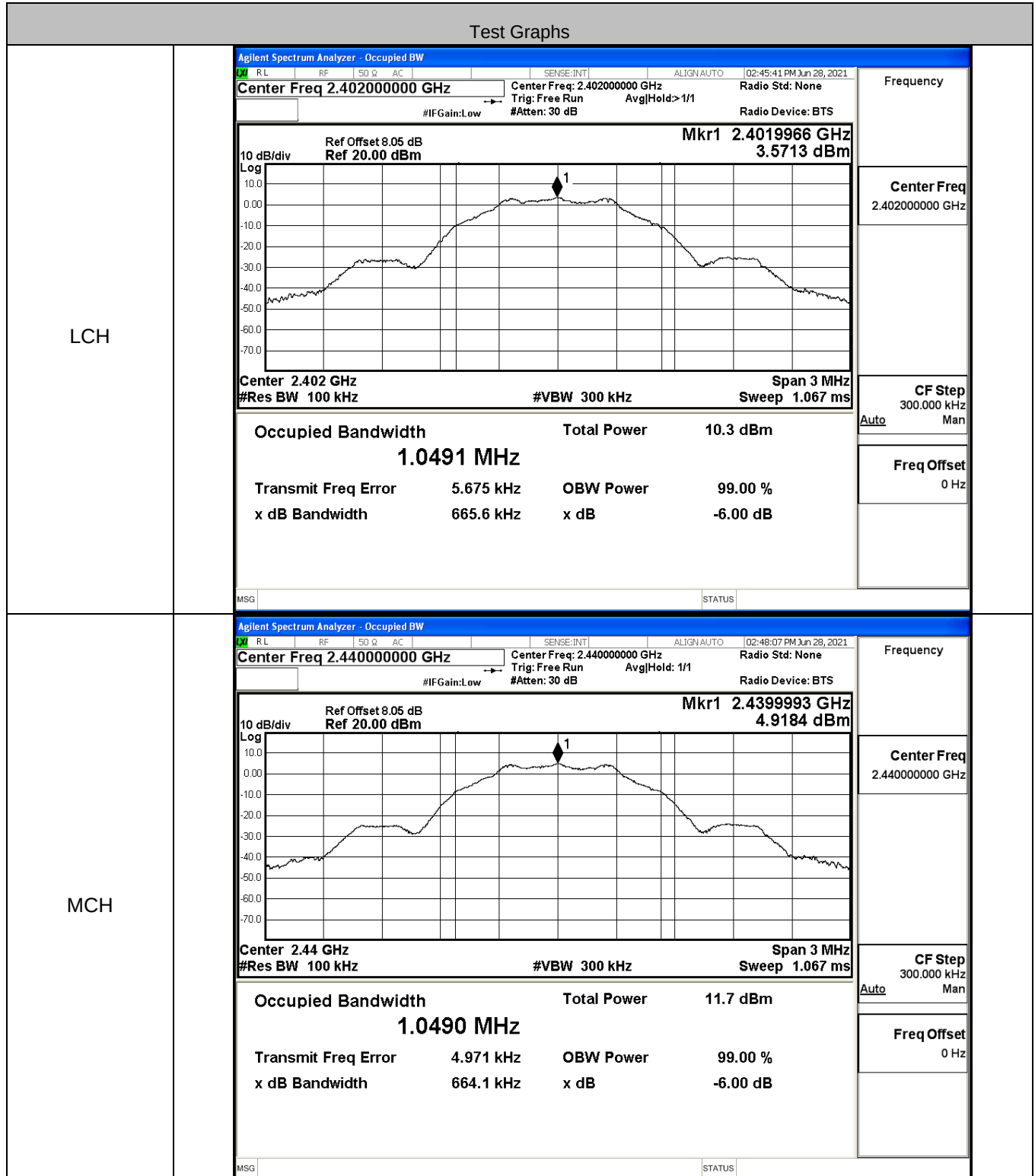






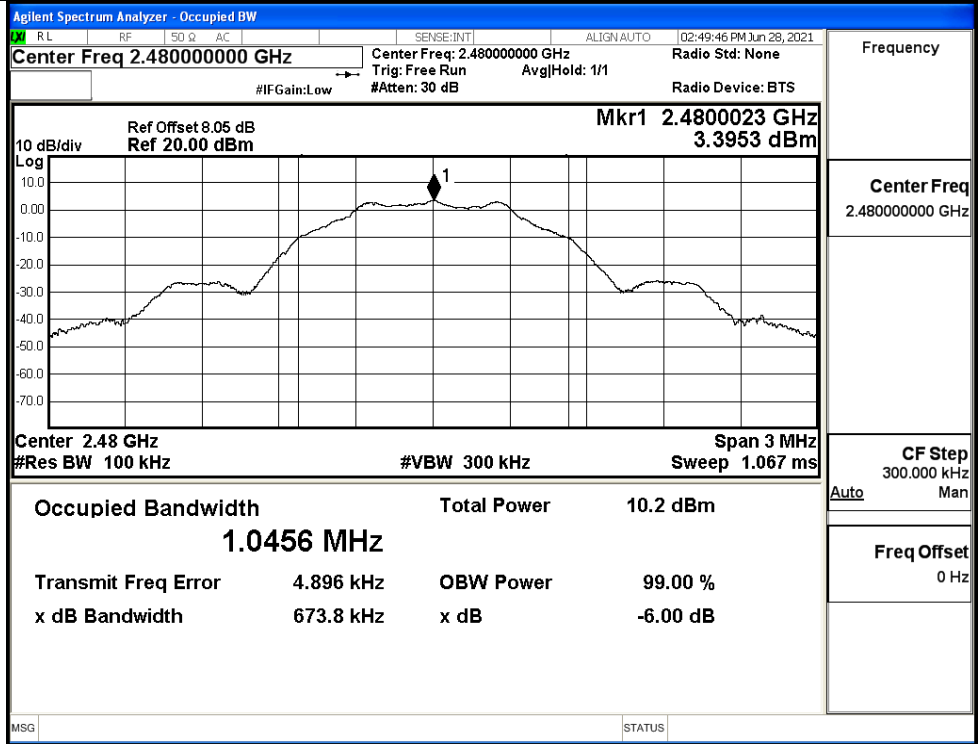
B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6656	≥ 0.5	PASS
BT LE	MCH	0.6641	≥ 0.5	PASS
BT LE	HCH	0.6738	≥ 0.5	PASS





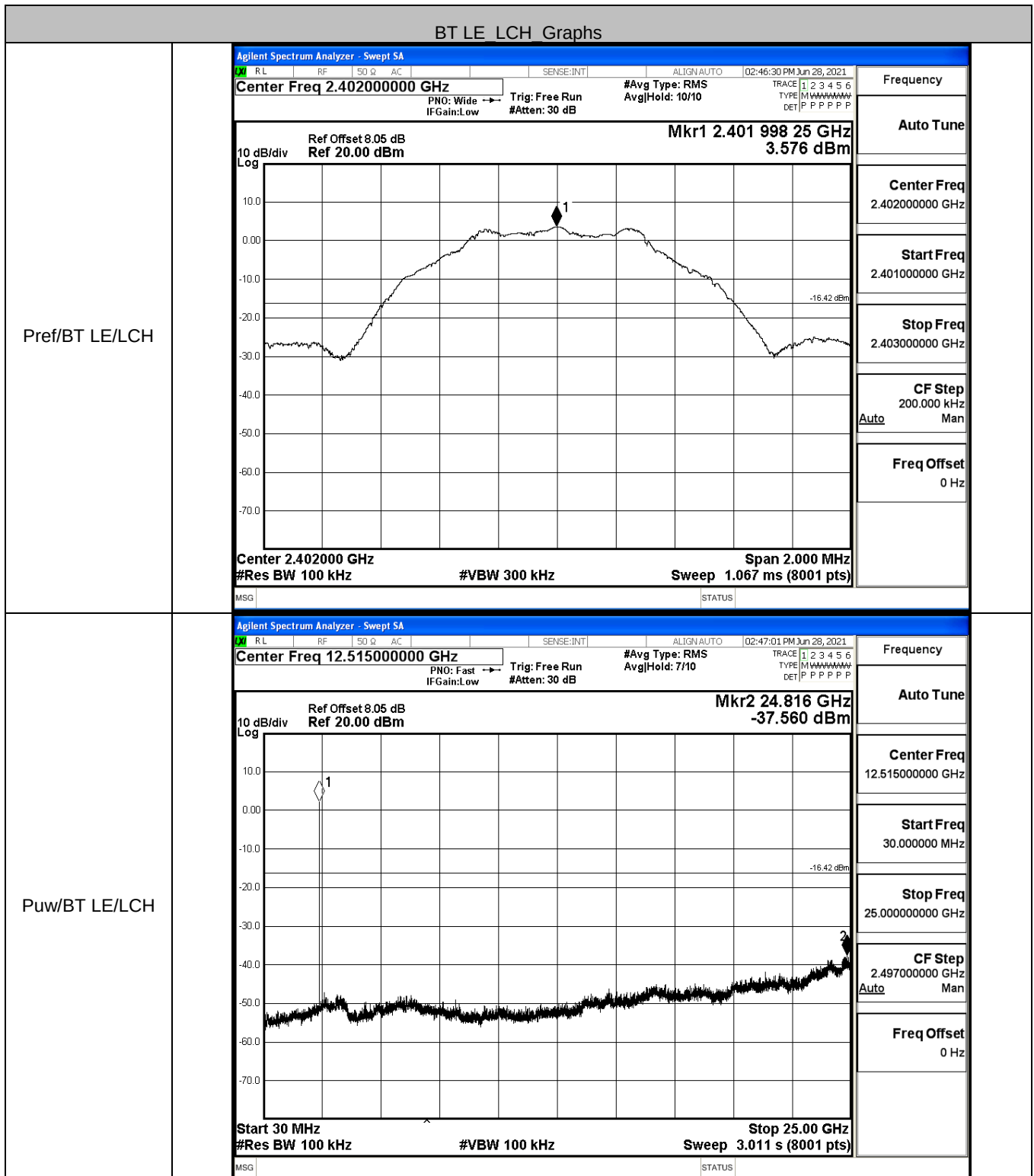
HCH





B.5 RF Conducted Spurious Emissions

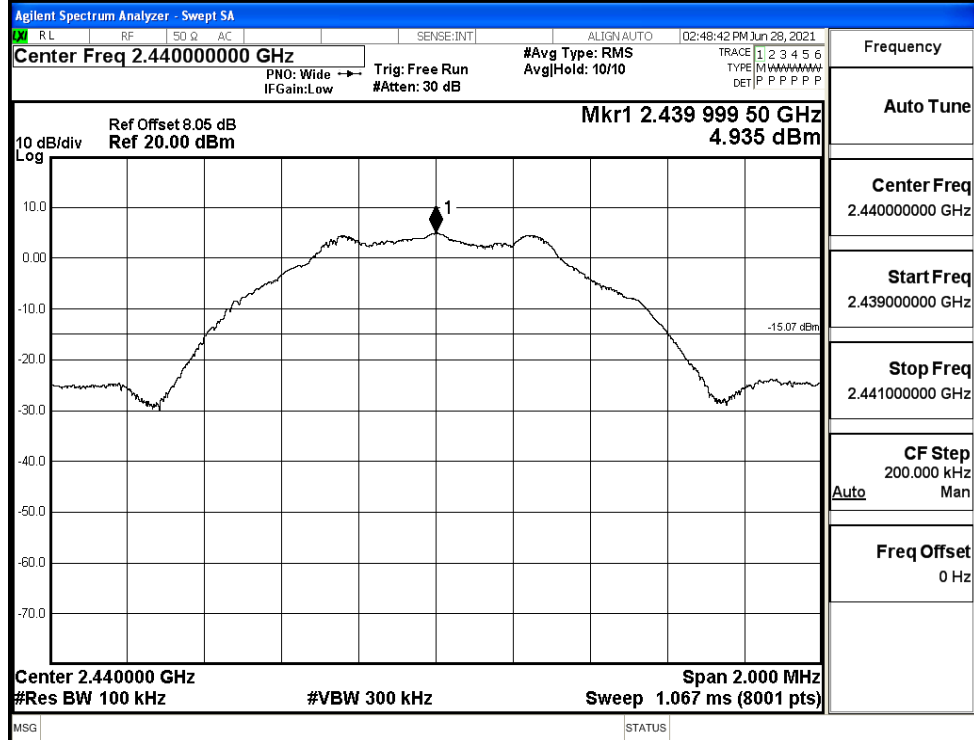
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.576	-37.560	-16.424	PASS
BT LE	MCH	4.935	-37.567	-15.065	PASS
BT LE	HCH	3.363	-38.423	-16.637	PASS



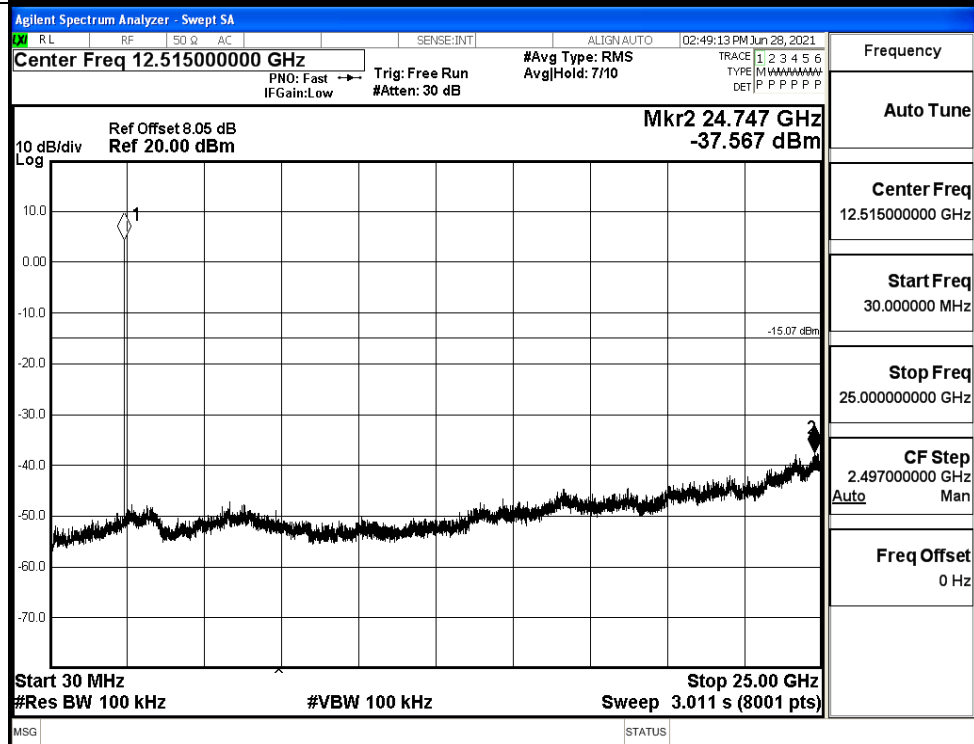


BT LE MCH Graphs

Pref/BT LE/MCH



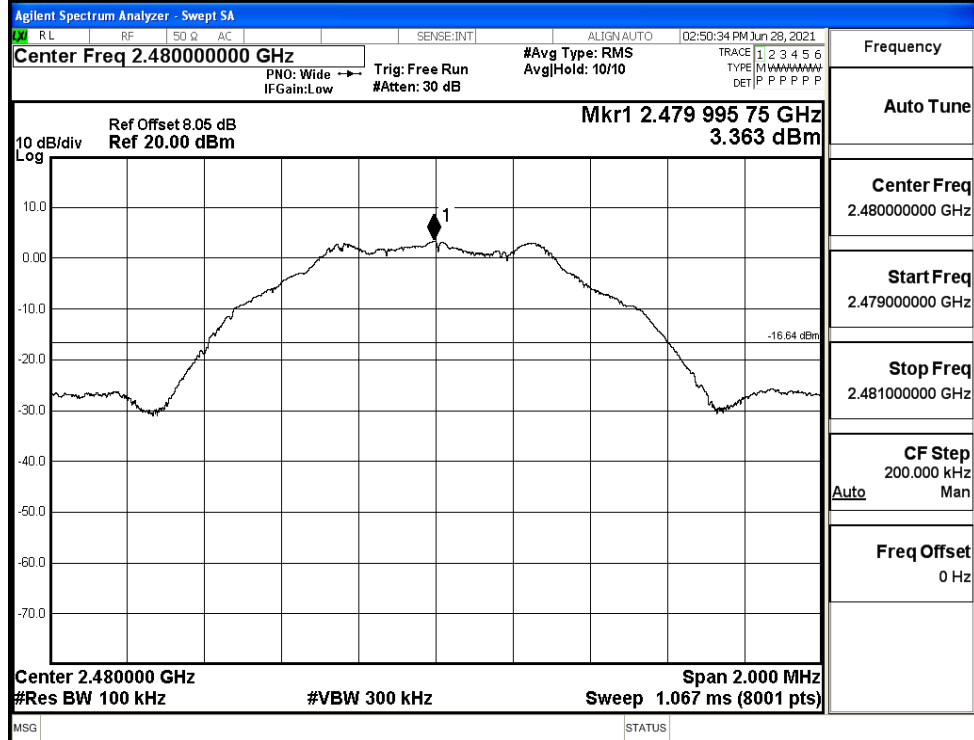
Puw/BT LE/MCH





BT LE HCH Graphs

Pref/BT LE/HCH



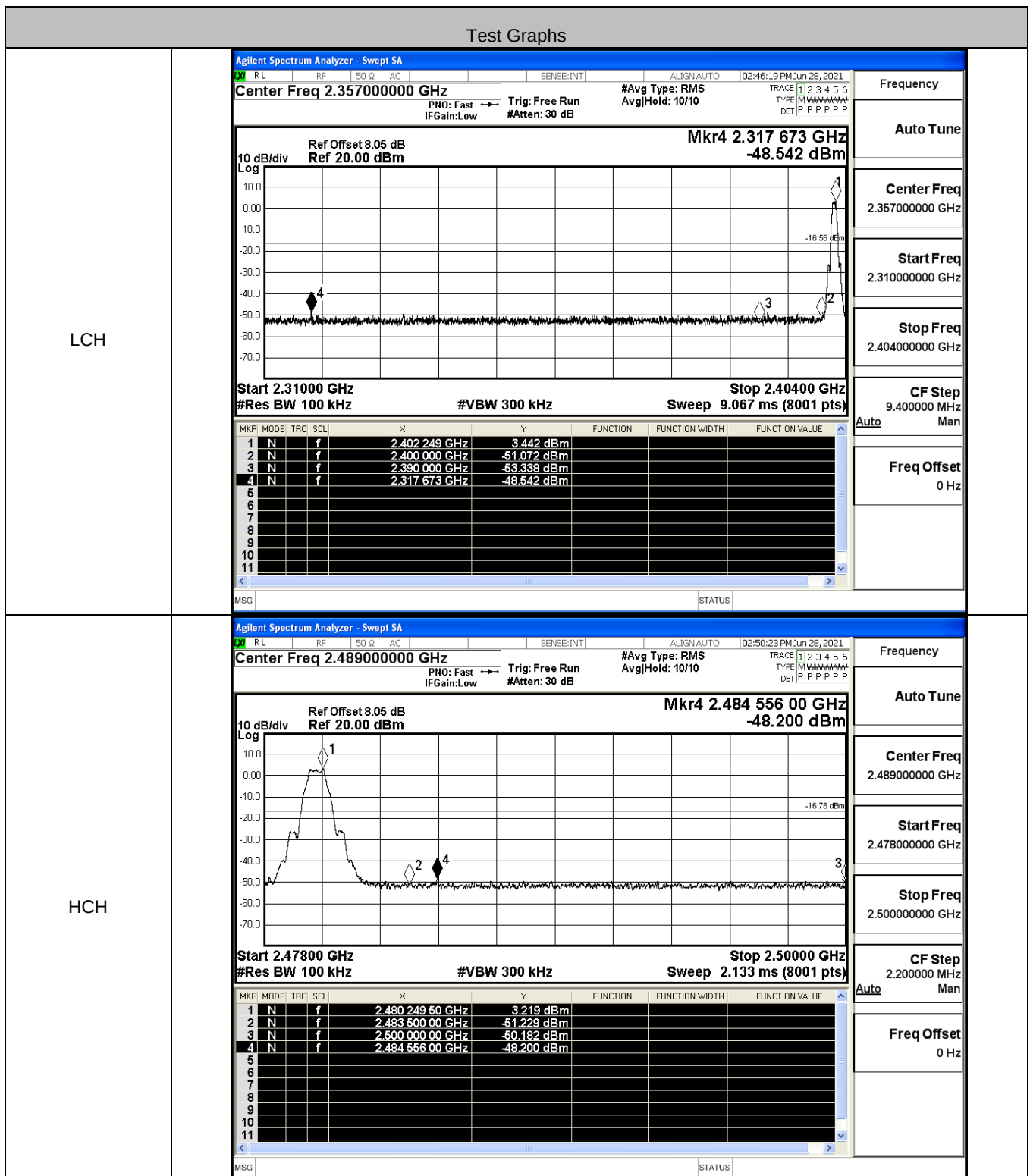
Puw/BT LE/HCH





B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.442	-48.542	-16.56	PASS
BT LE	HCH	3.219	-48.200	-16.78	PASS



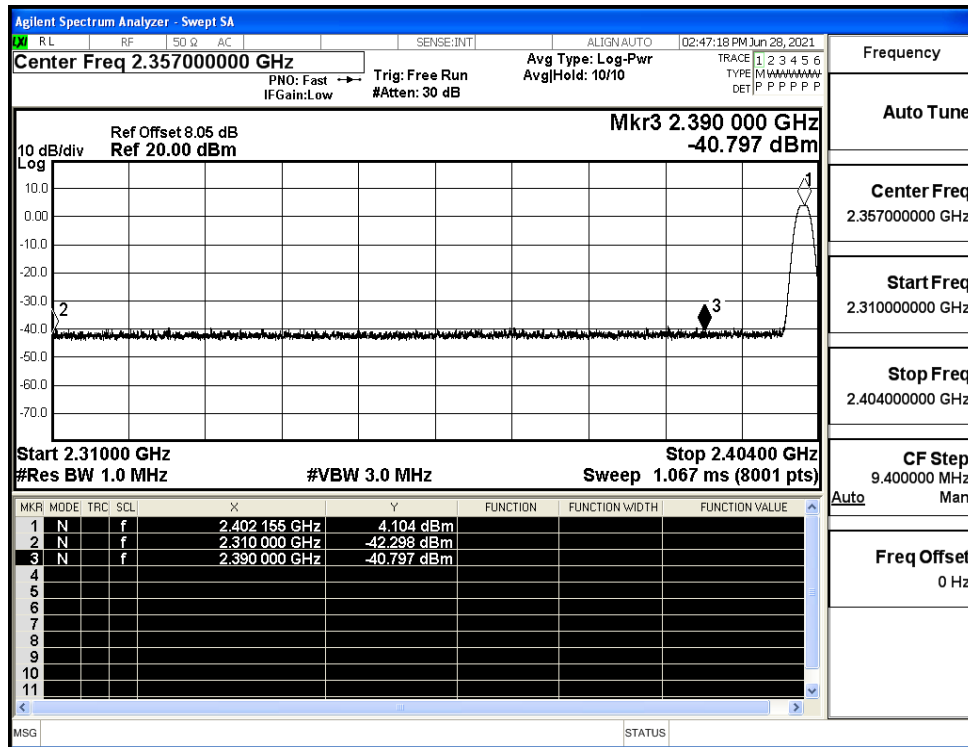


B.7 Restrict-band band-edge measurements

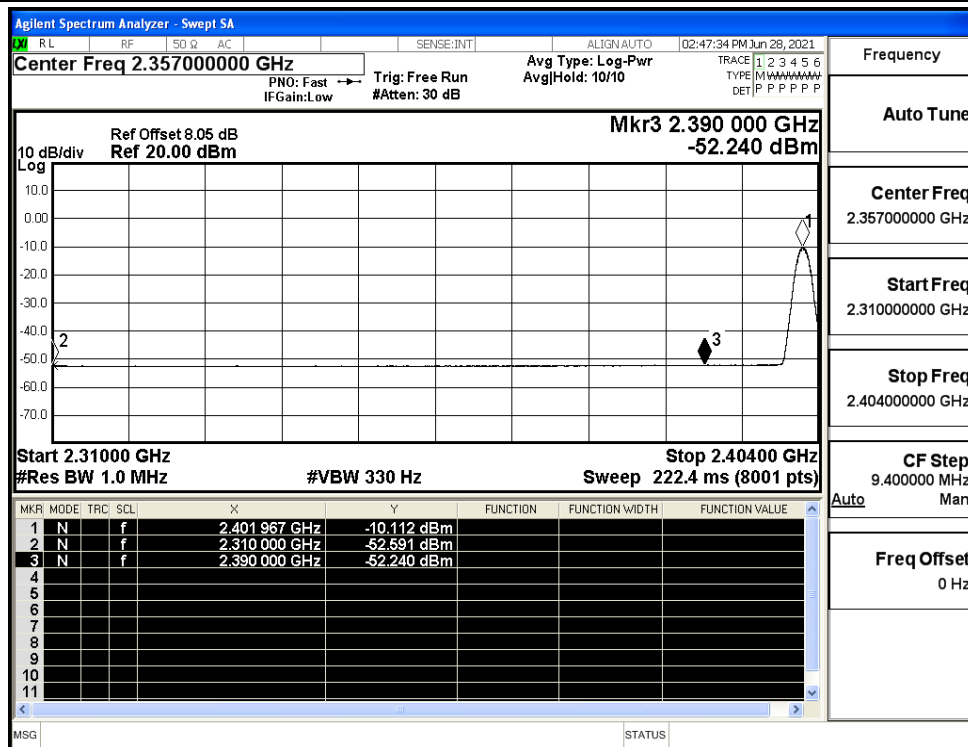
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-42.30	2.0	0	52.96	PEAK	74	PASS
		Ant1	2310.0	-52.59	2.0	0	42.67	AV	54	PASS
		Ant1	2390.0	-40.80	2.0	0	54.46	PEAK	74	PASS
		Ant1	2390.0	-52.24	2.0	0	43.02	AV	54	PASS
	2480	Ant1	2483.5	-41.64	2.0	0	53.62	PEAK	74	PASS
		Ant1	2483.5	-51.71	2.0	0	43.55	AV	54	PASS
		Ant1	2500.0	-41.99	2.0	0	53.27	PEAK	74	PASS
		Ant1	2500.0	-51.49	2.0	0	43.77	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK

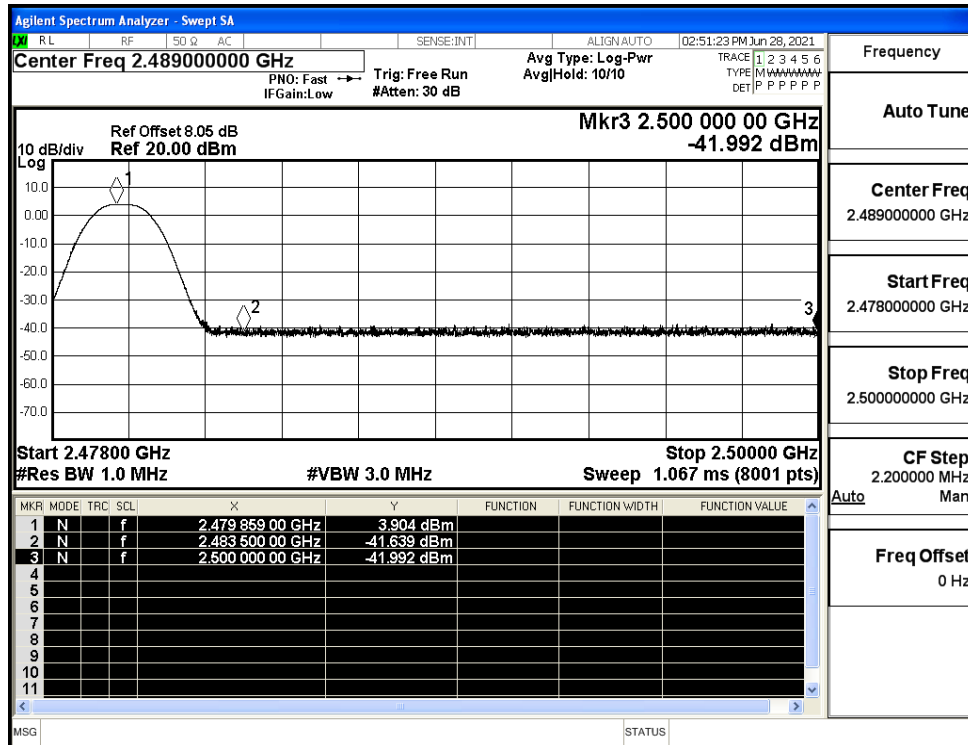


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV





Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

