



Appendix A

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

Product Name: Personal Safety Watch

Trade Mark: N/A

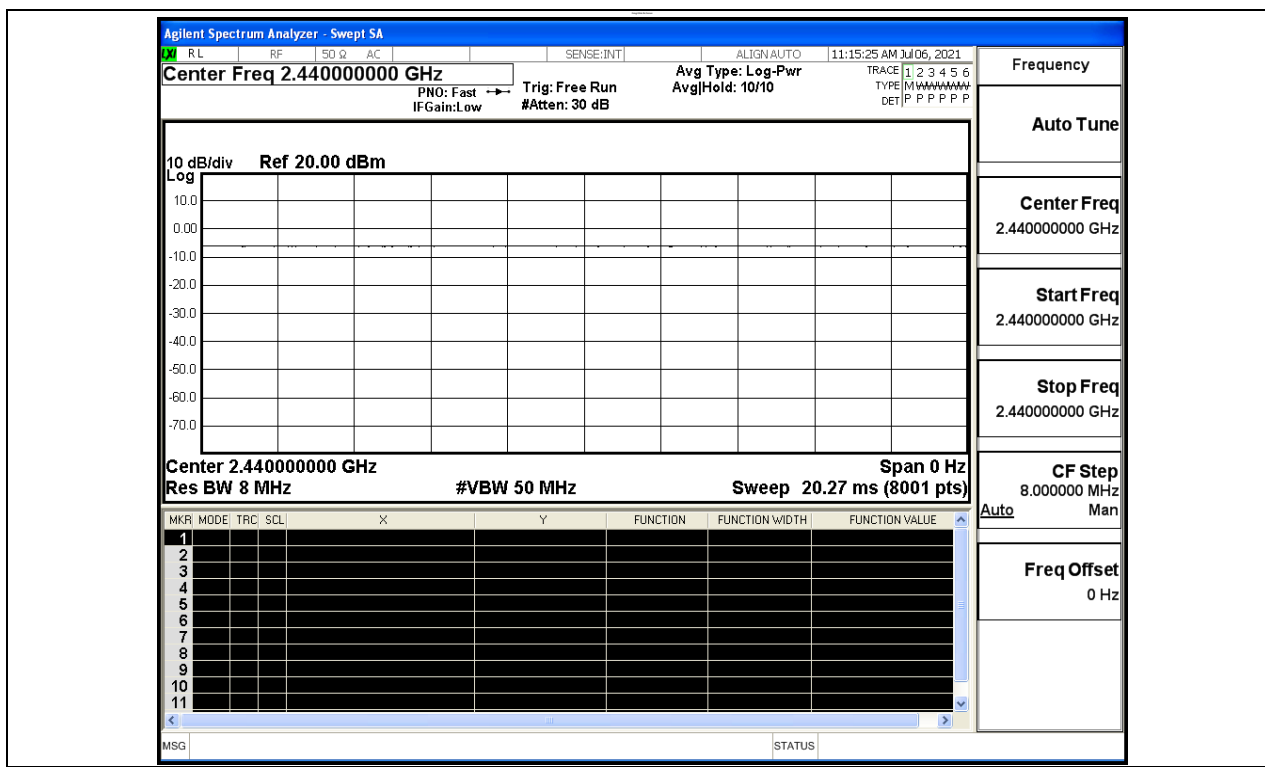
Test Model: EV-05

Environmental Conditions

Temperature:	21.5° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

A.1 Duty Cycle

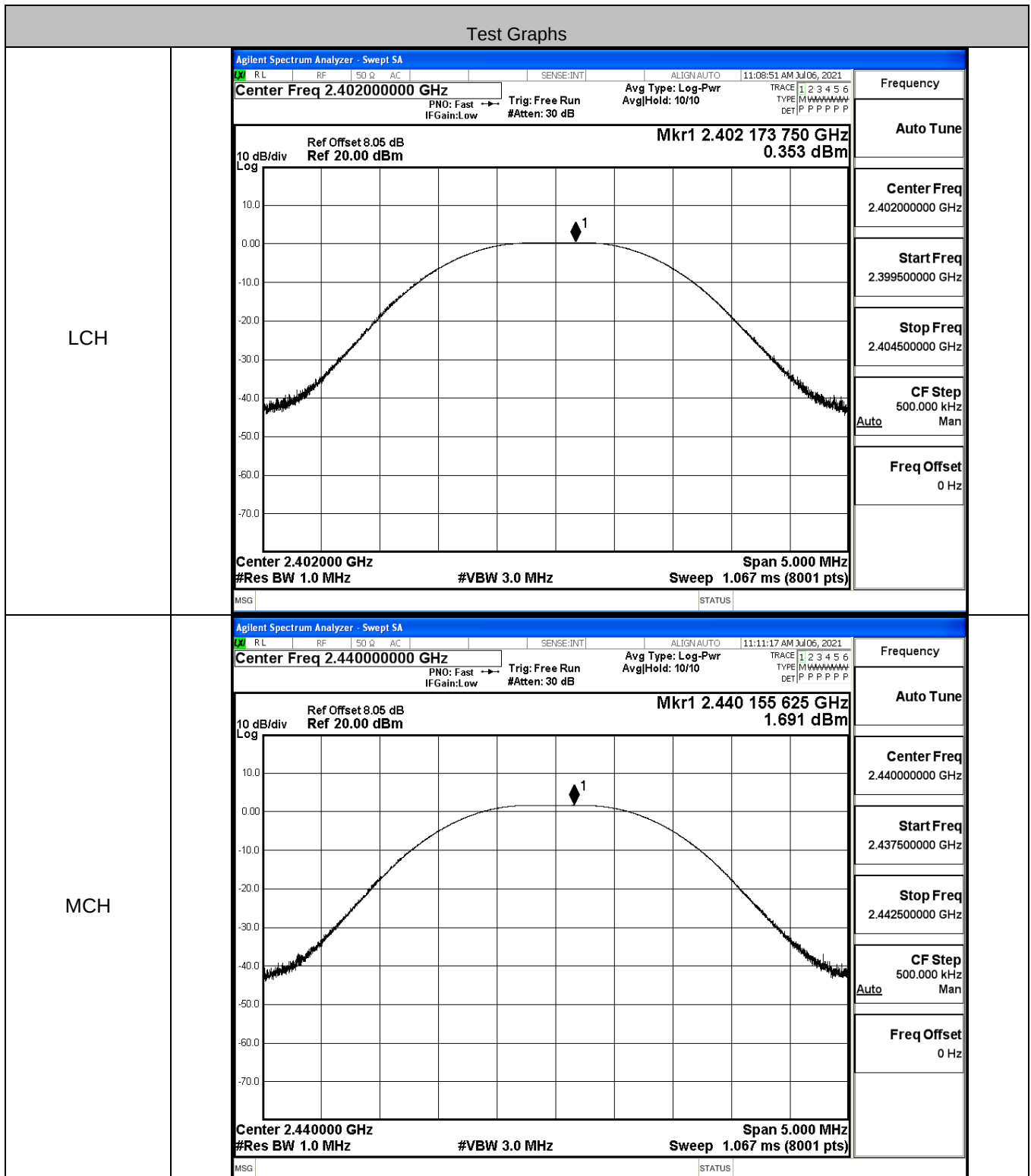
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS

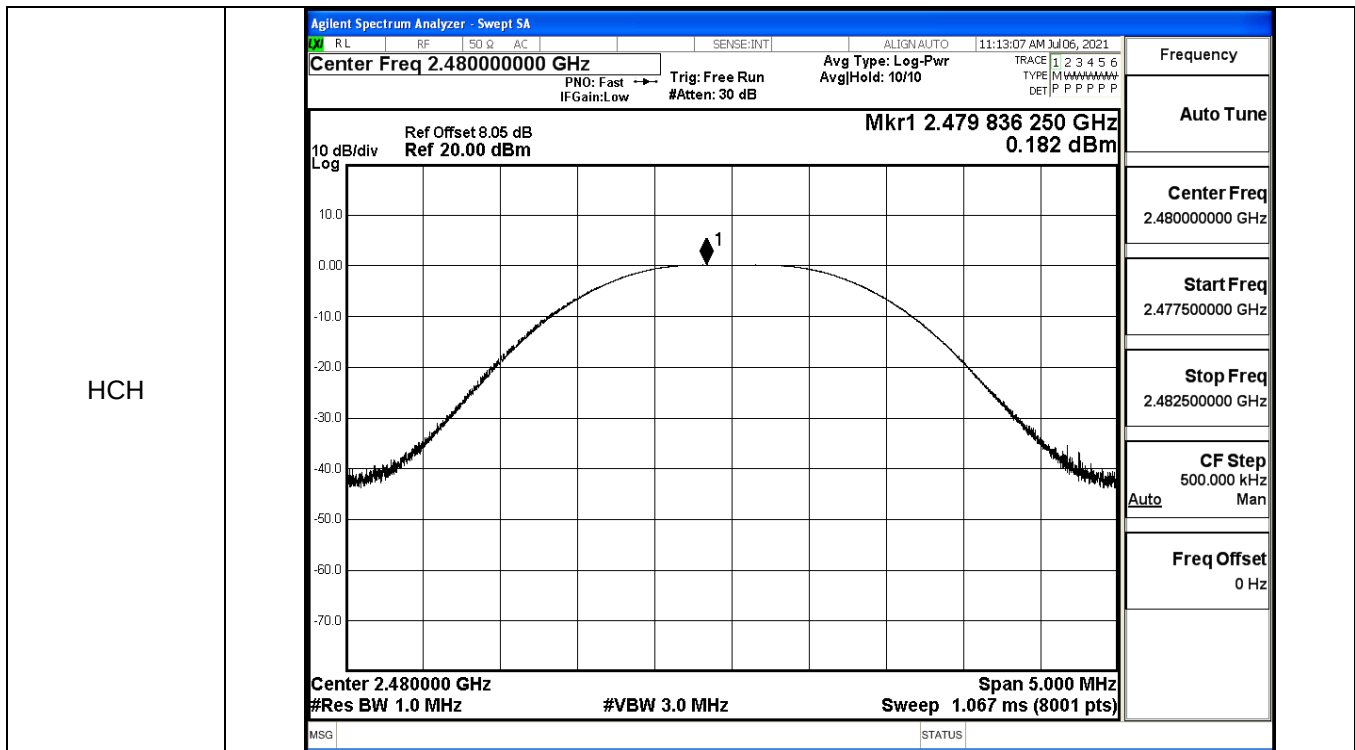




A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.353	30	PASS
BT LE	MCH	1.691	30	PASS
BT LE	HCH	0.182	30	PASS

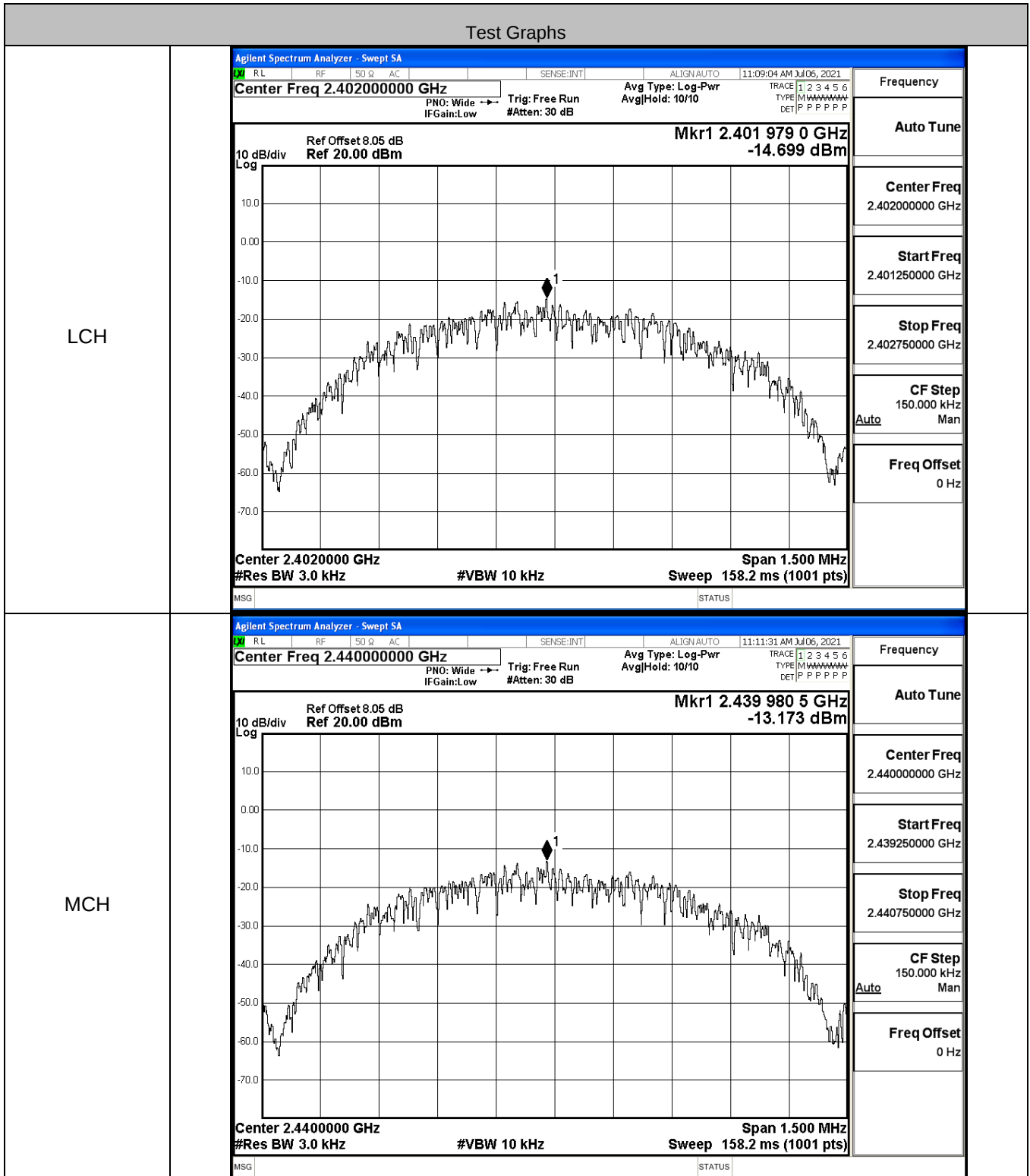


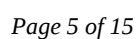




A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.699	8	PASS
BT LE	MCH	-13.173	8	PASS
BT LE	HCH	-14.518	8	PASS

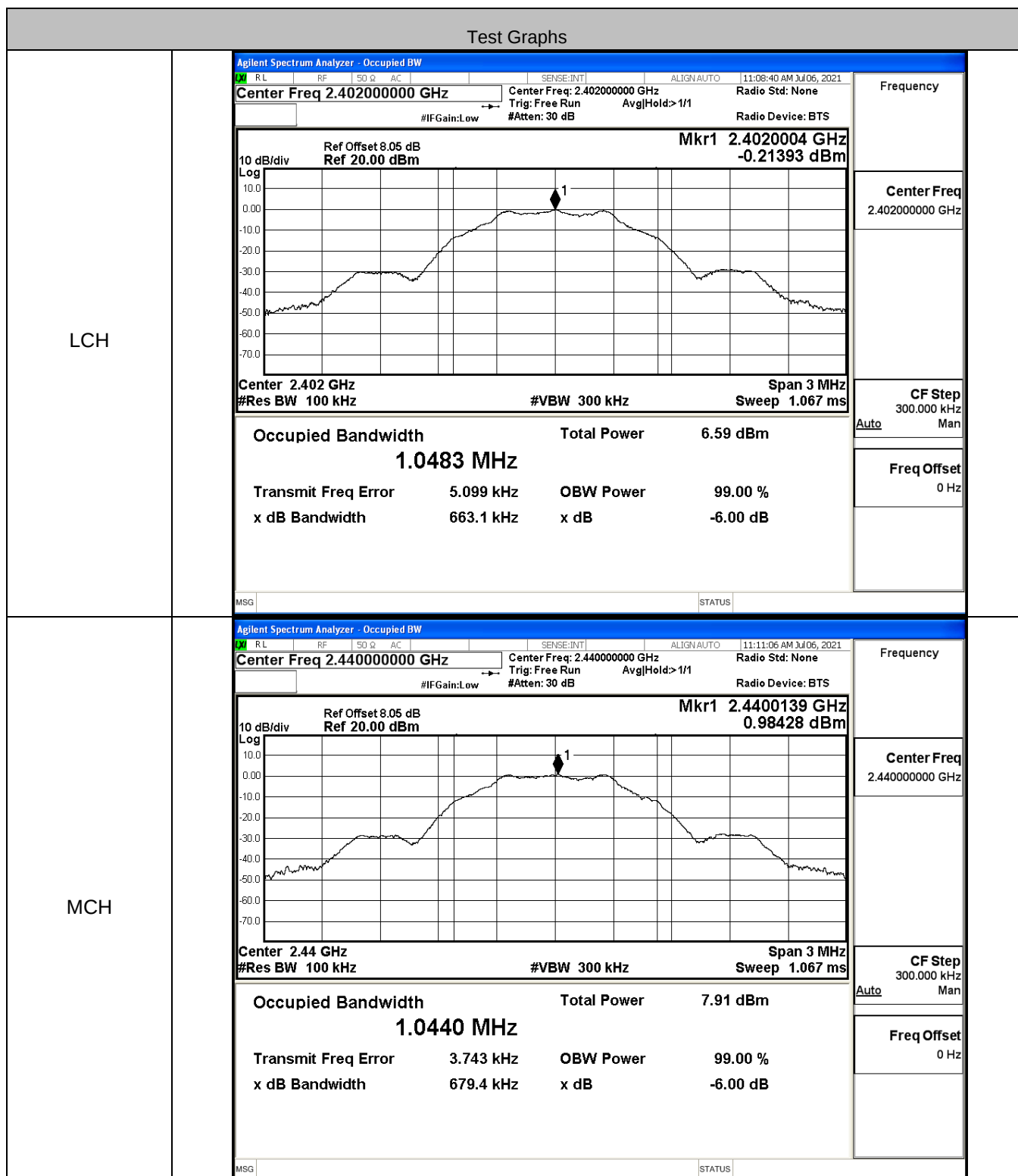


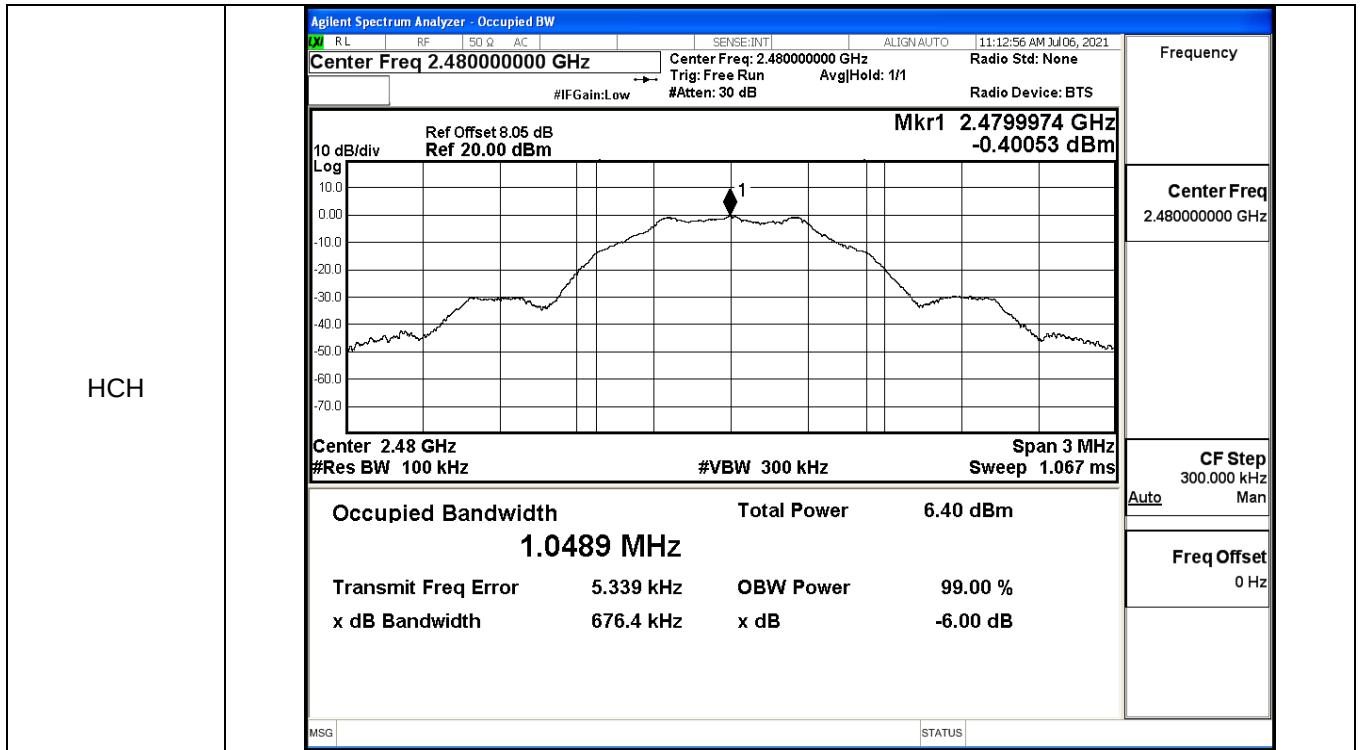




A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6631	≥ 0.5	PASS
BT LE	MCH	0.6794	≥ 0.5	PASS
BT LE	HCH	0.6764	≥ 0.5	PASS

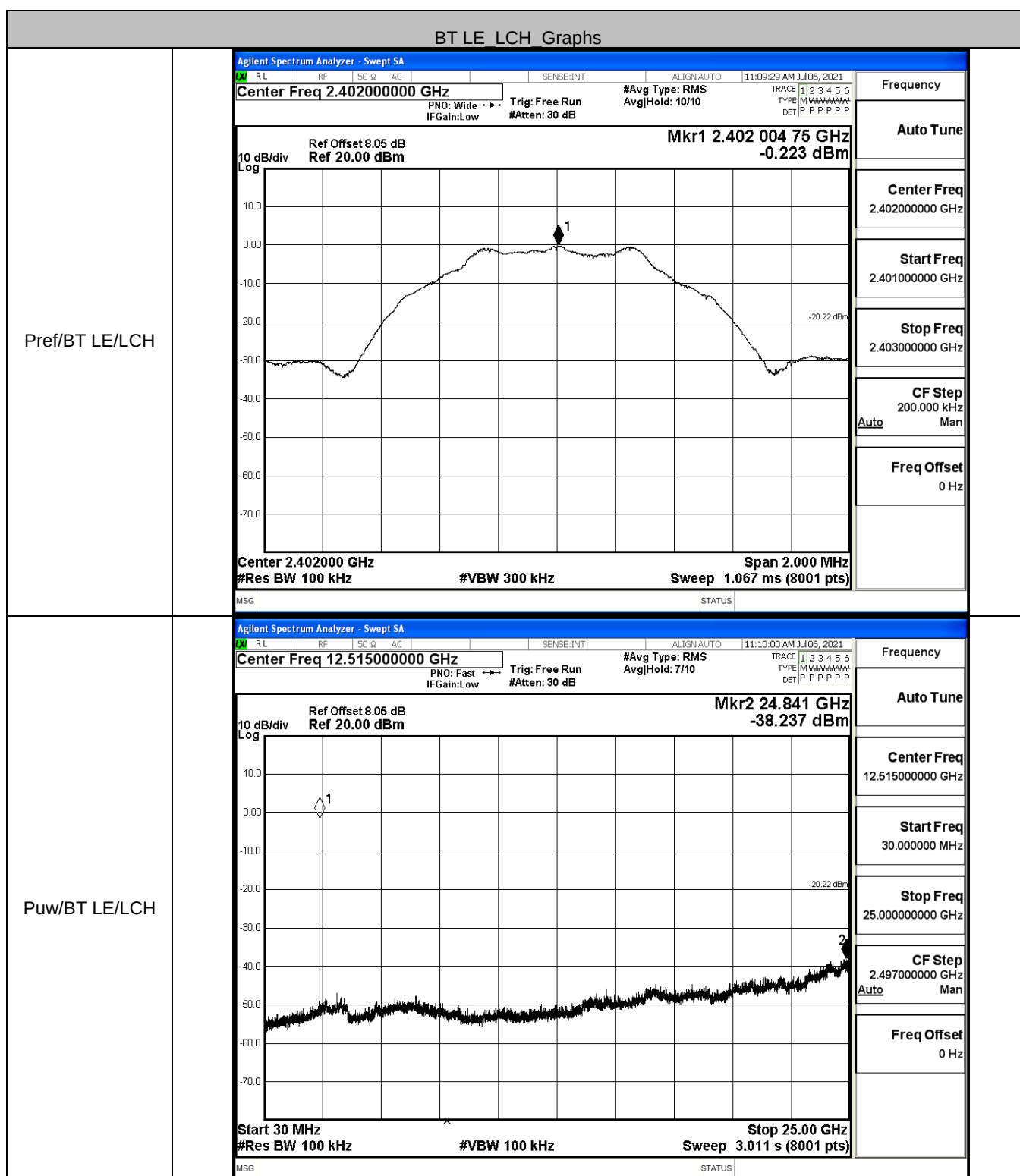






A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.223	-38.237	-20.223	PASS
BT LE	MCH	1.181	-37.893	-18.819	PASS
BT LE	HCH	-0.357	-37.710	-20.357	PASS



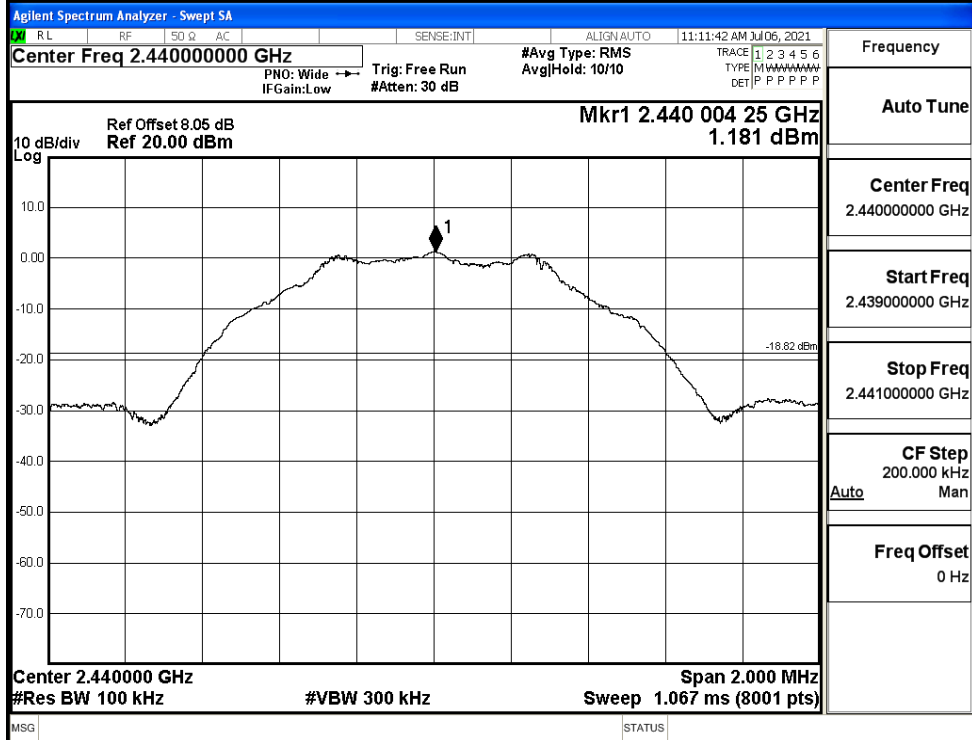


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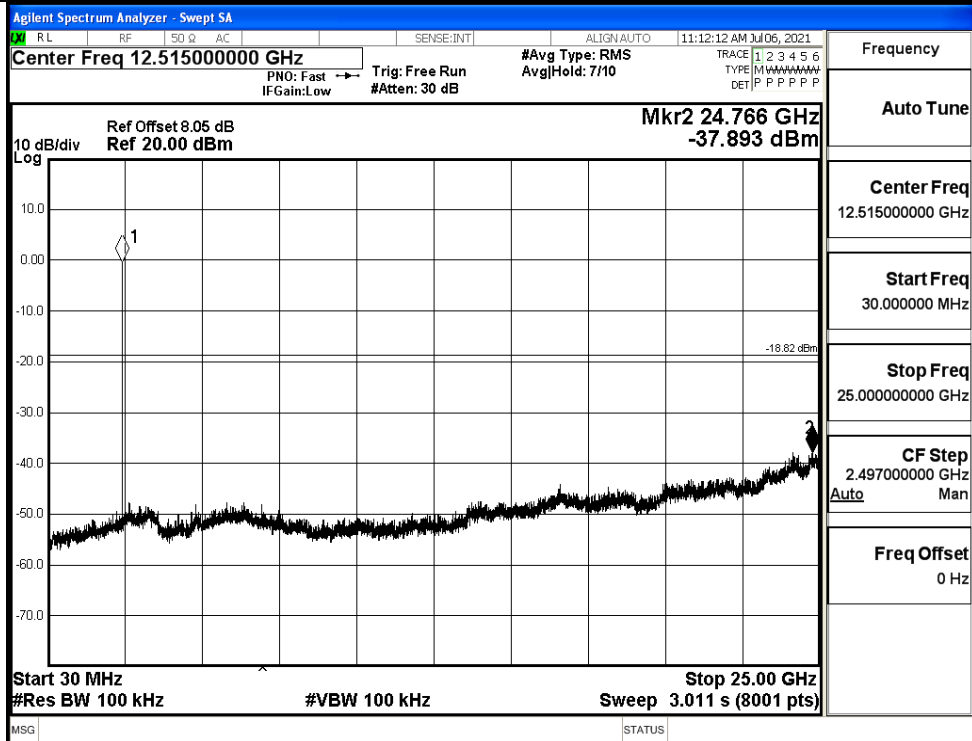


BT LE MCH Graphs

Pref/BT LE/MCH



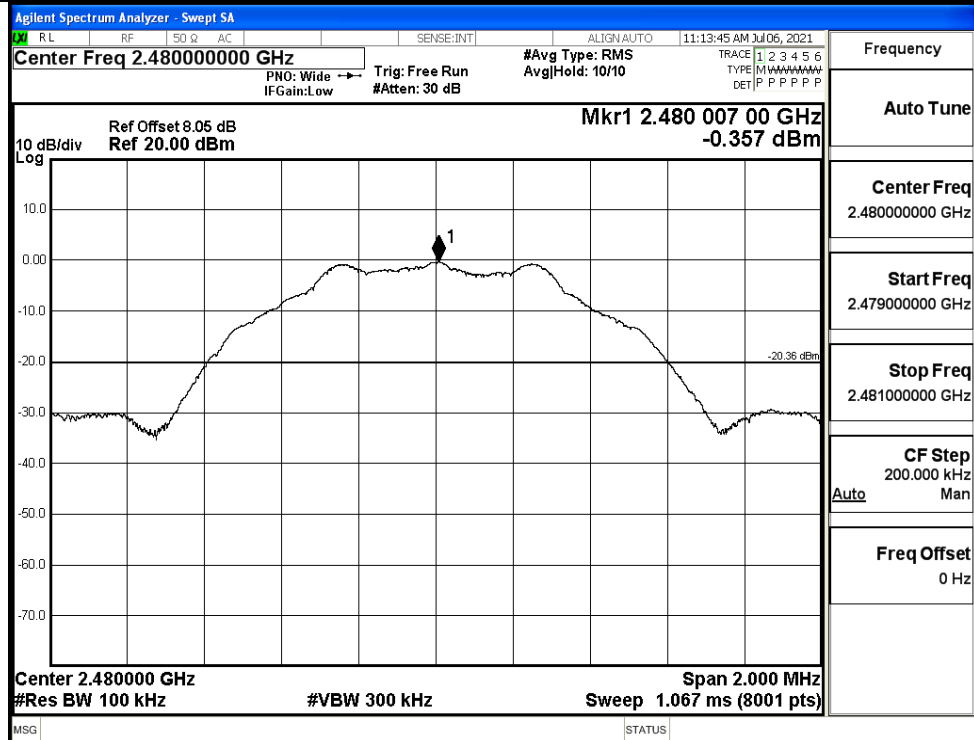
Puw/BT LE/MCH





BT LE HCH Graphs

Pref/BT LE/HCH



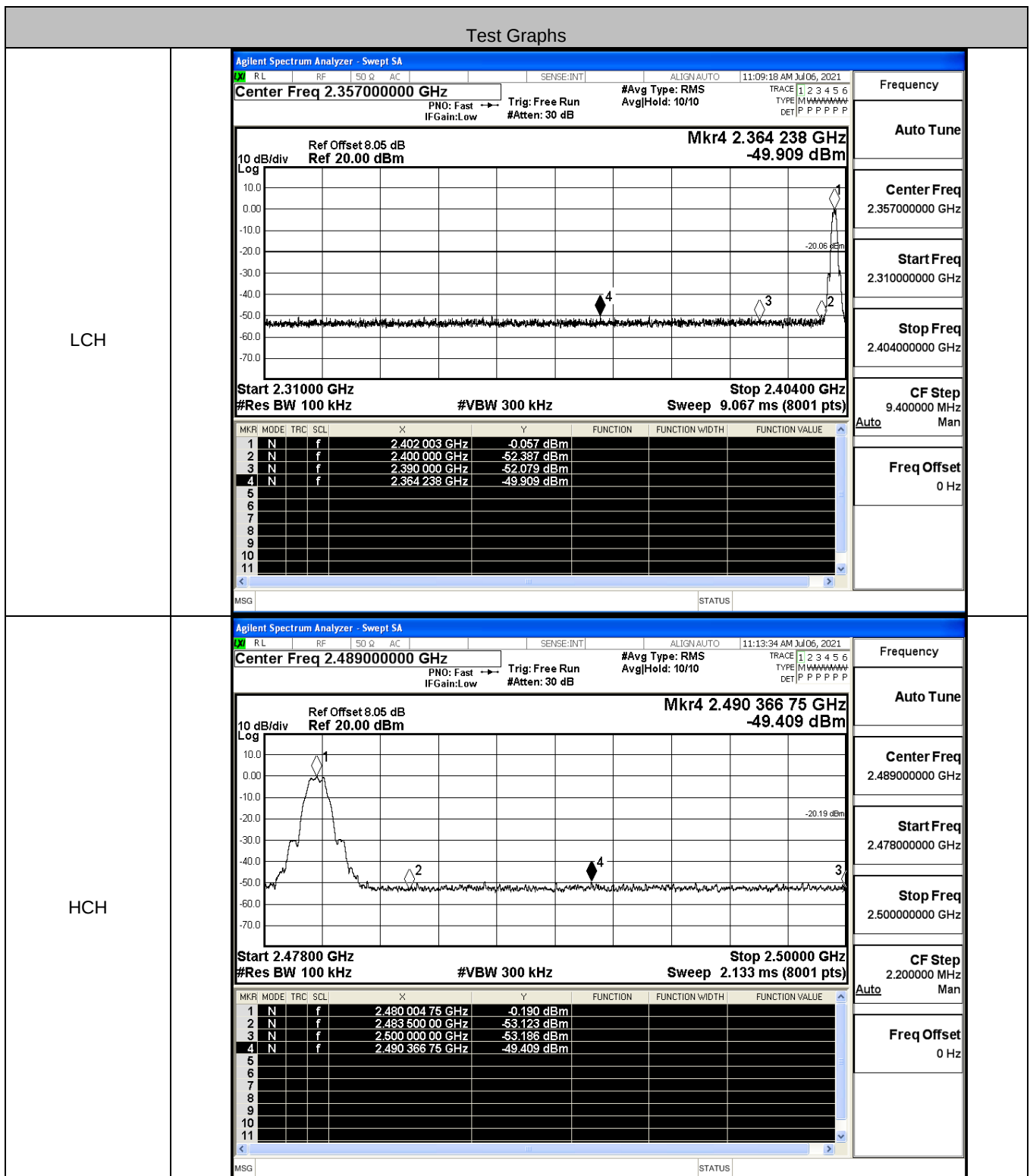
Puw/BT LE/HCH





A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.057	-49.909	-20.06	PASS
BT LE	HCH	-0.190	-49.409	-20.19	PASS

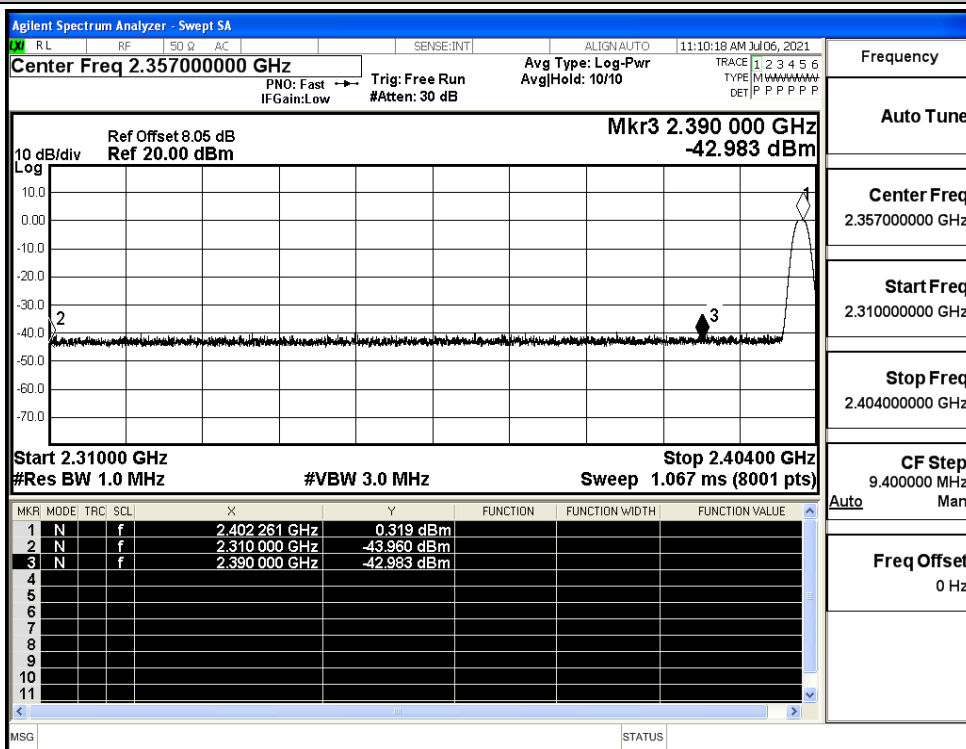


**A.7 Restrict-band band-edge measurements**

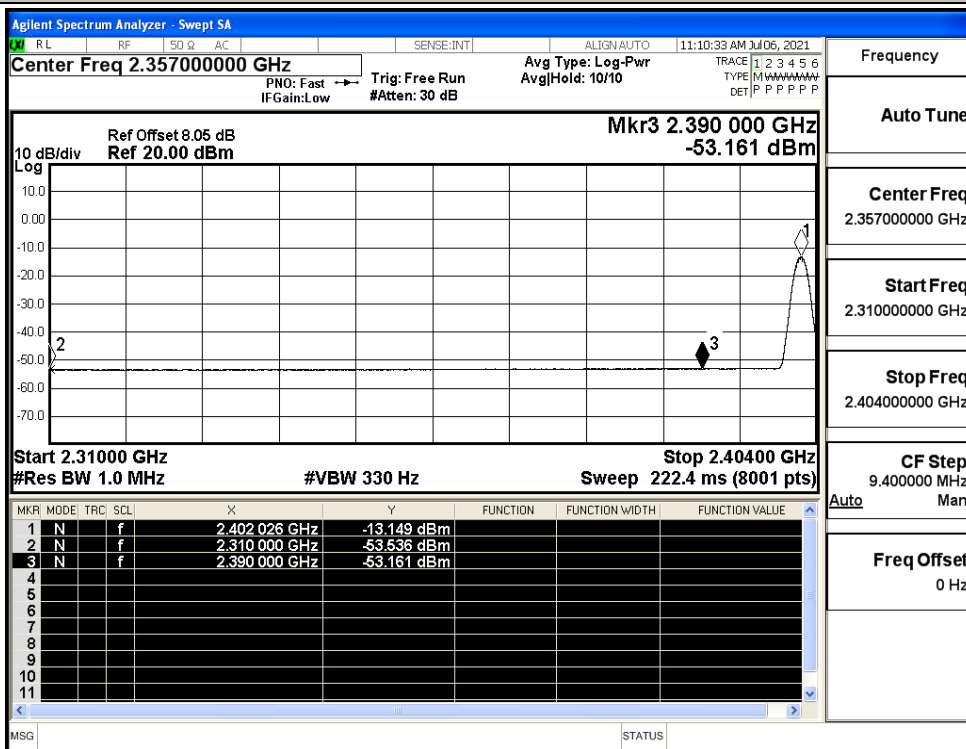
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-43.96	-1.0	0	50.27	PEAK	74	PASS
		Ant1	2310.0	-53.54	-1.0	0	40.69	AV	54	PASS
		Ant1	2390.0	-42.98	-1.0	0	51.25	PEAK	74	PASS
		Ant1	2390.0	-53.16	-1.0	0	41.07	AV	54	PASS
	2480	Ant1	2483.5	-41.91	-1.0	0	52.32	PEAK	74	PASS
		Ant1	2483.5	-52.61	-1.0	0	41.62	AV	54	PASS
		Ant1	2500.0	-43.00	-1.0	0	51.23	PEAK	74	PASS
		Ant1	2500.0	-52.35	-1.0	0	41.88	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK

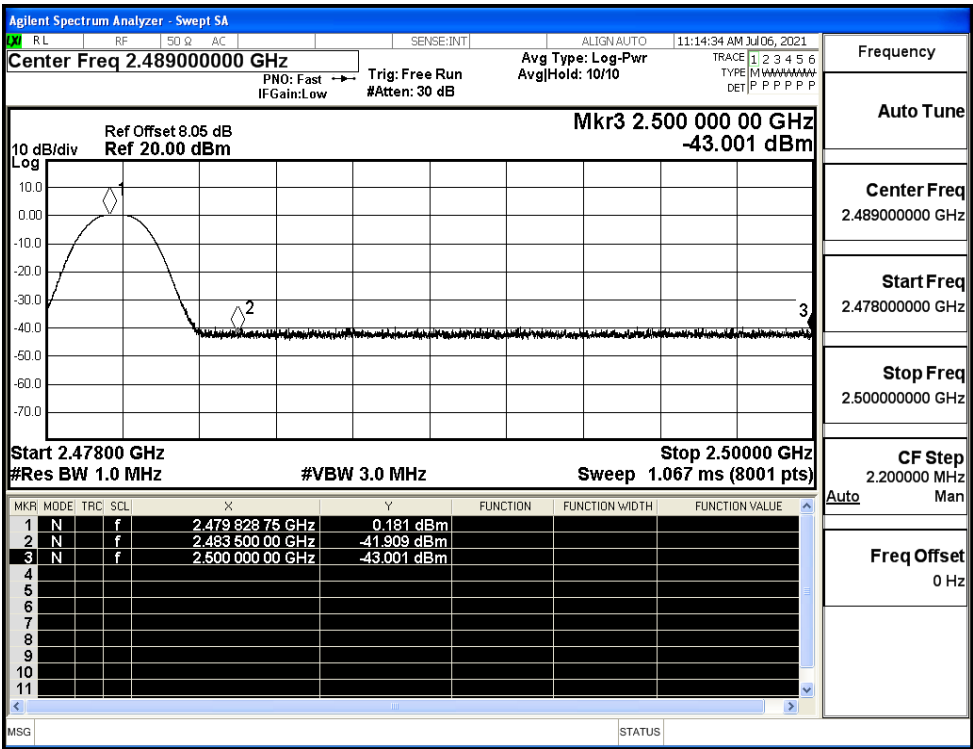


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV





Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

