

Appendix B

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

Product Name: TABLET PC

Trade Mark: FUSION5

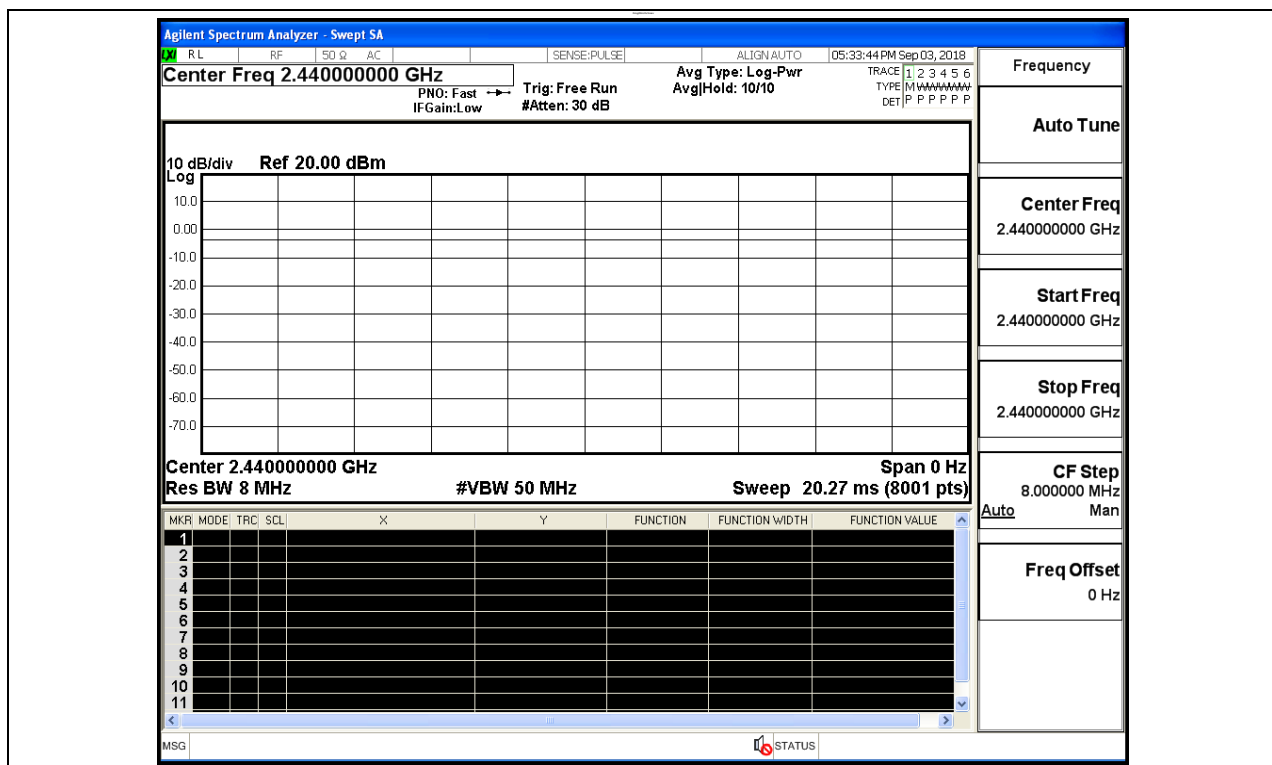
Test Model: FWIN232 Plus

Environmental Conditions

Temperature:	24.5° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom Liu
Supervised by:	Jayden Zhuo

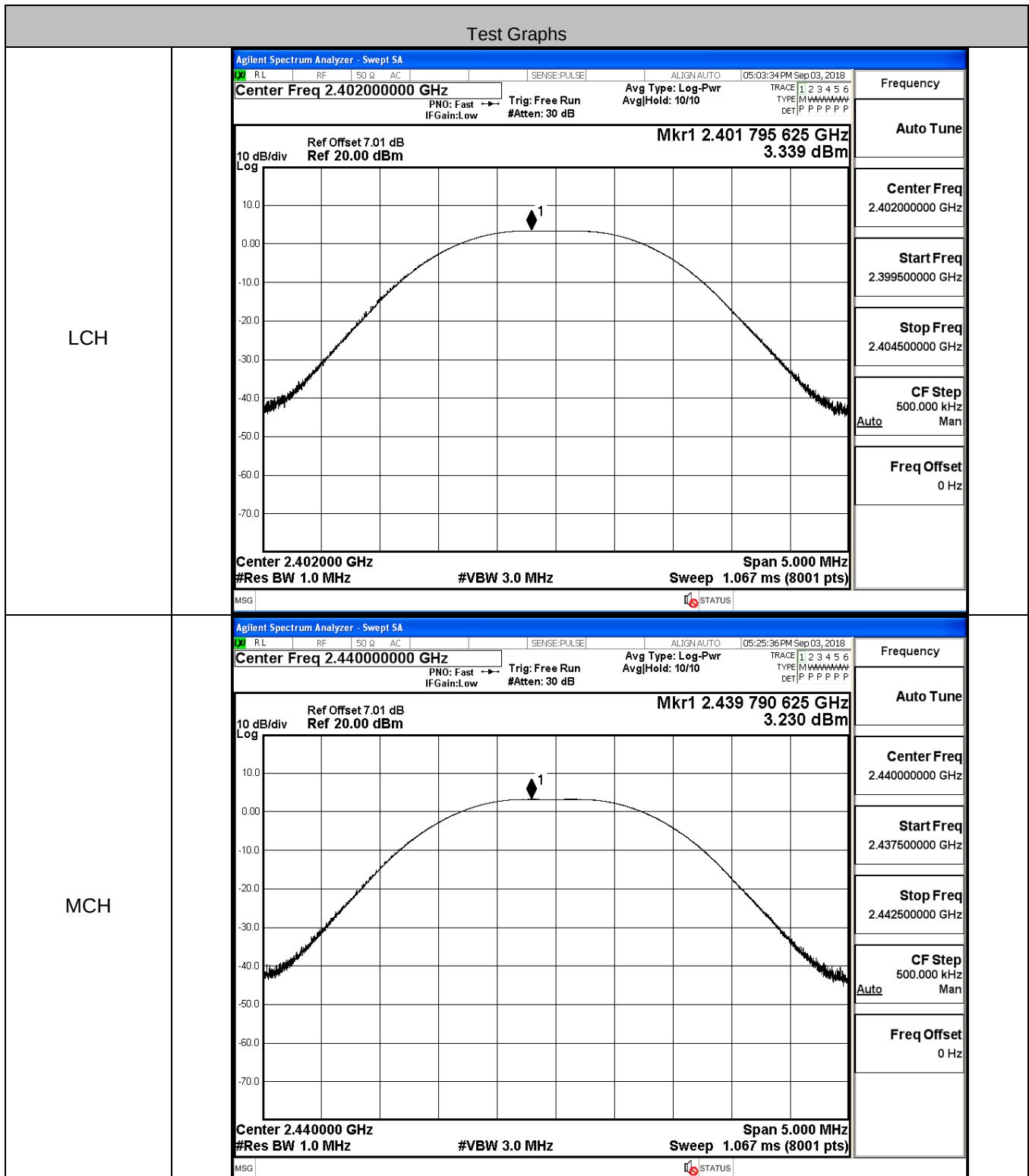
B.1 Duty Cycle

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

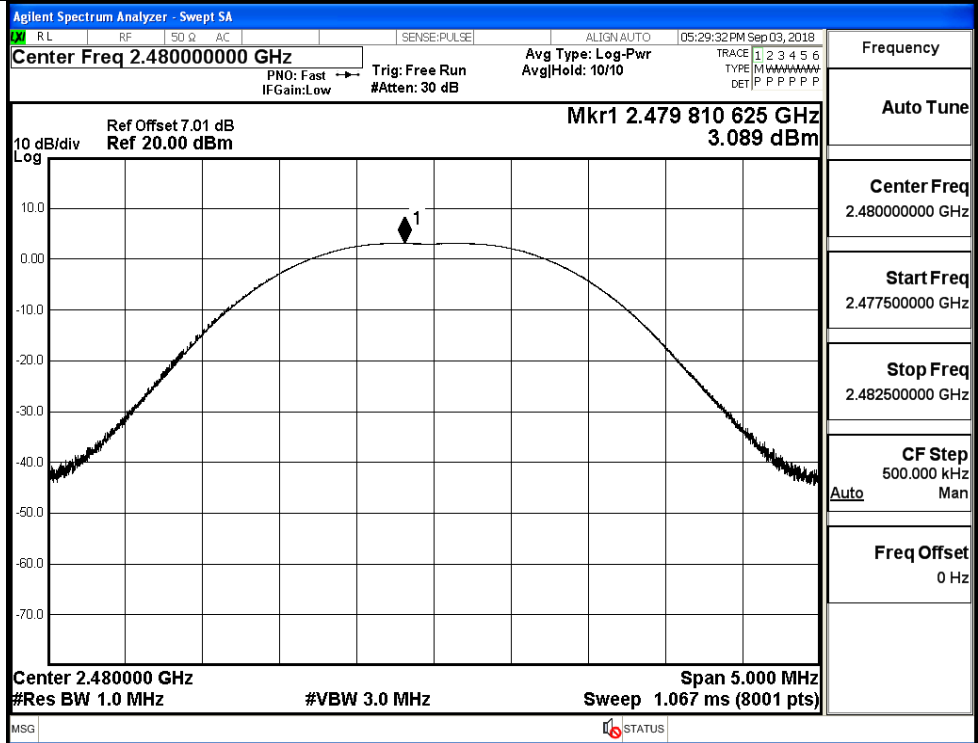


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.339	30	PASS
BT LE	MCH	3.230	30	PASS
BT LE	HCH	3.089	30	PASS

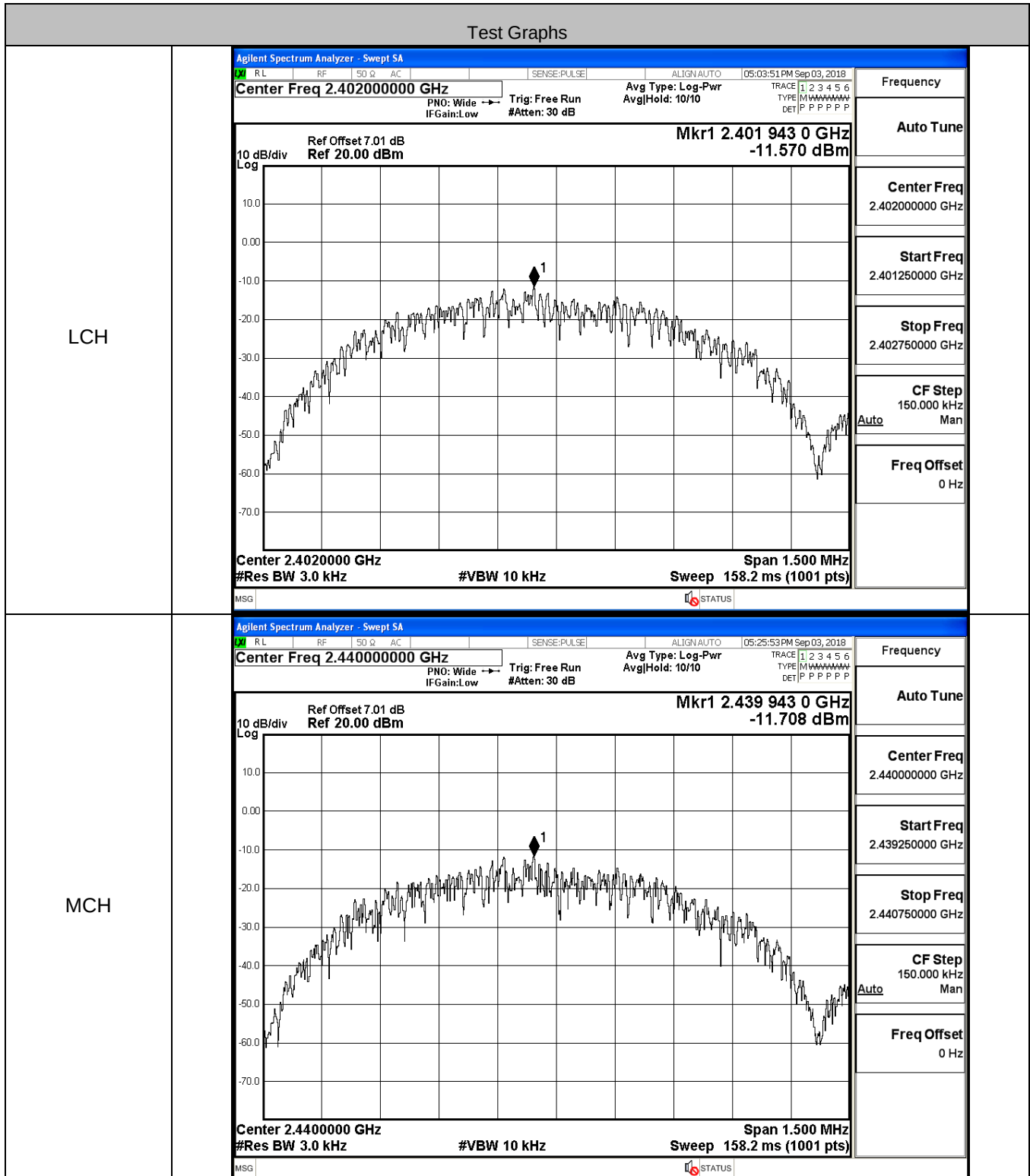


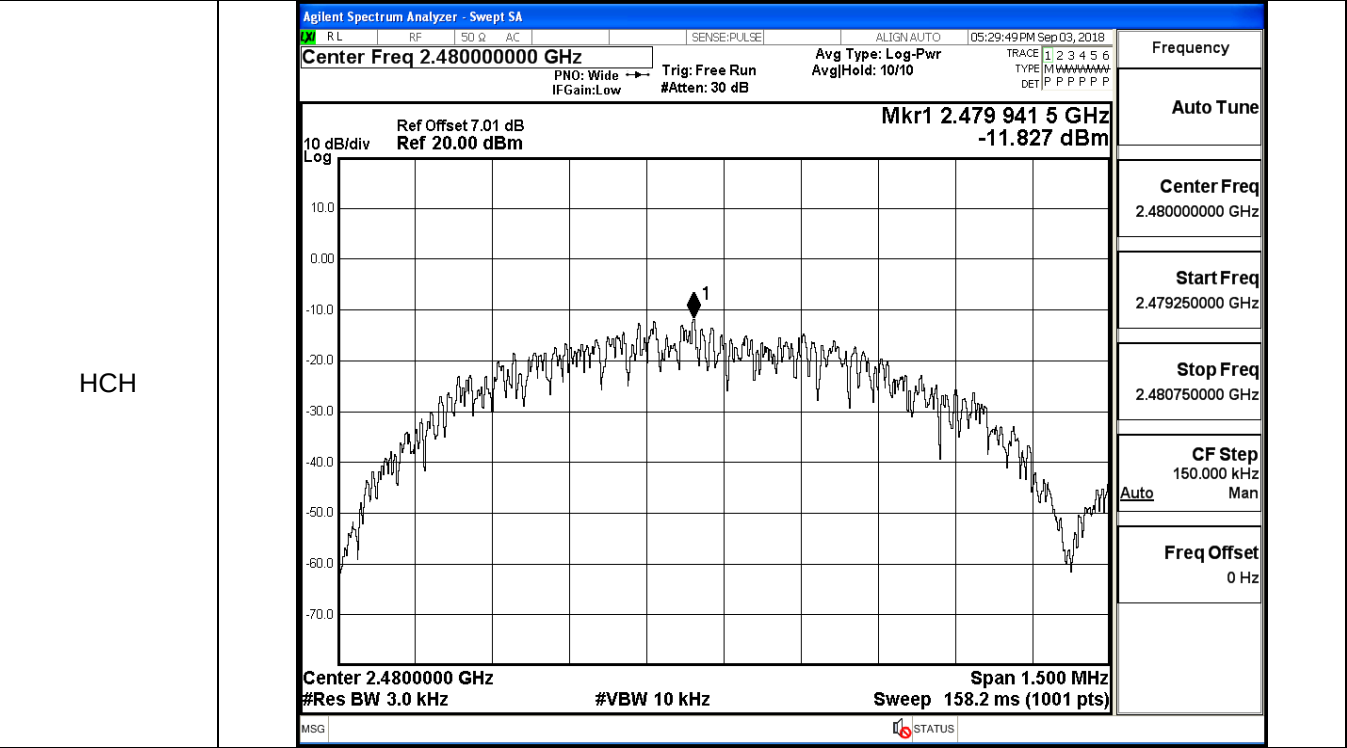
HCH



B.3 Maximum Power Spectral Density

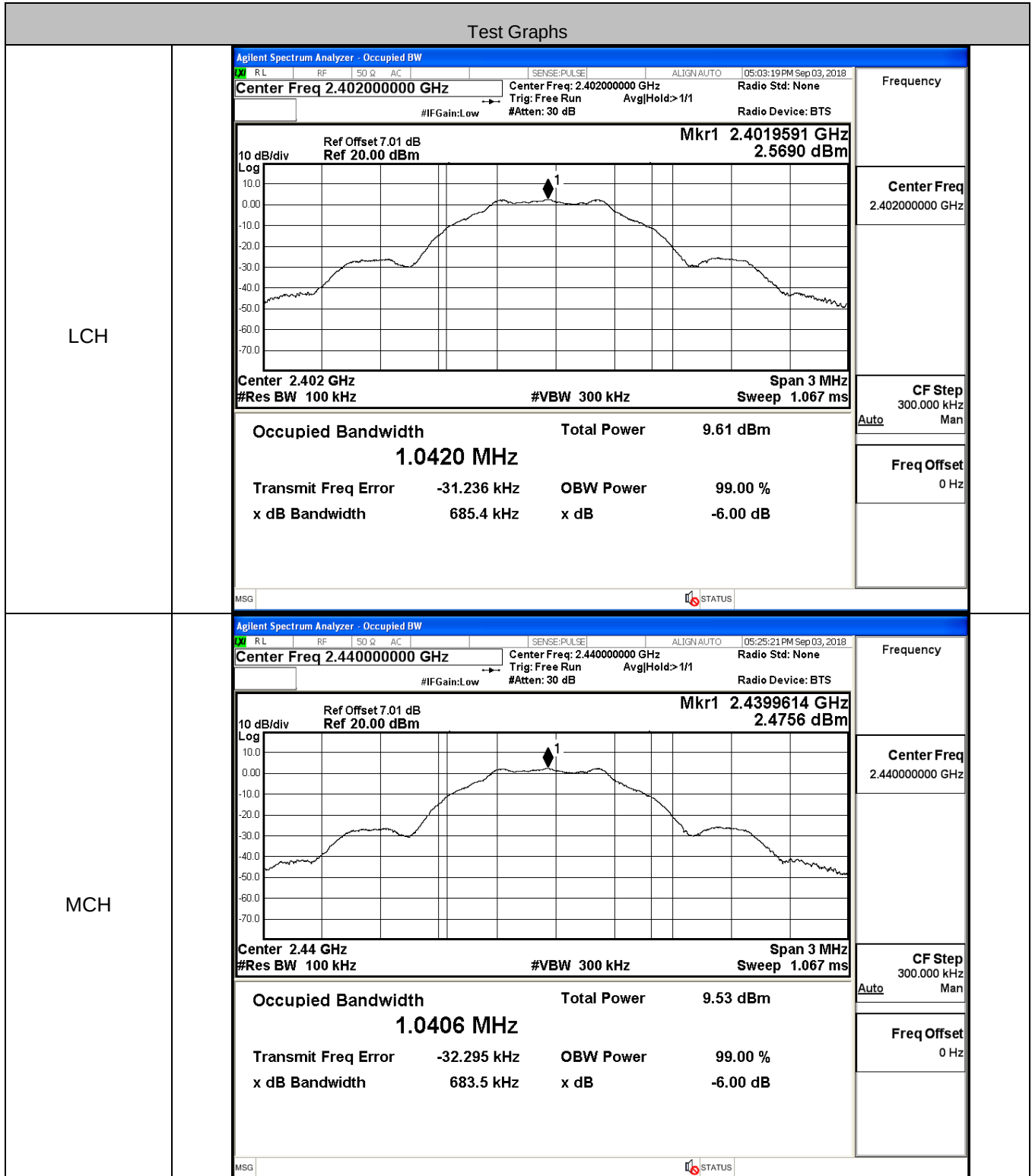
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.570	8	PASS
BT LE	MCH	-11.708	8	PASS
BT LE	HCH	-11.827	8	PASS



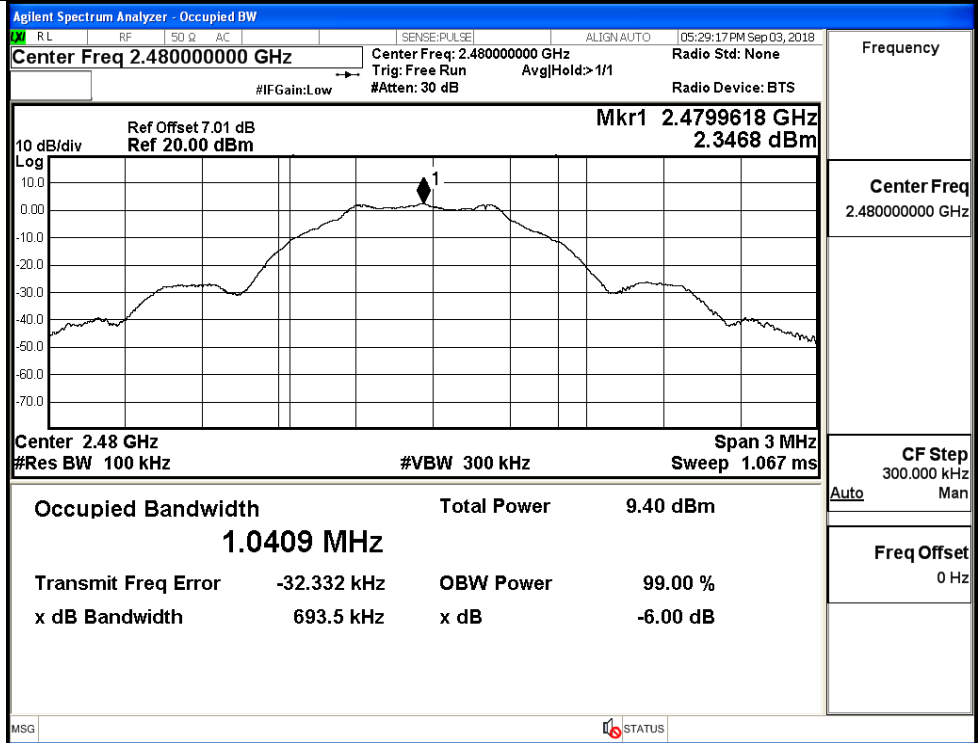


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6854	≥0.5	PASS
BT LE	MCH	0.6835	≥0.5	PASS
BT LE	HCH	0.6935	≥0.5	PASS

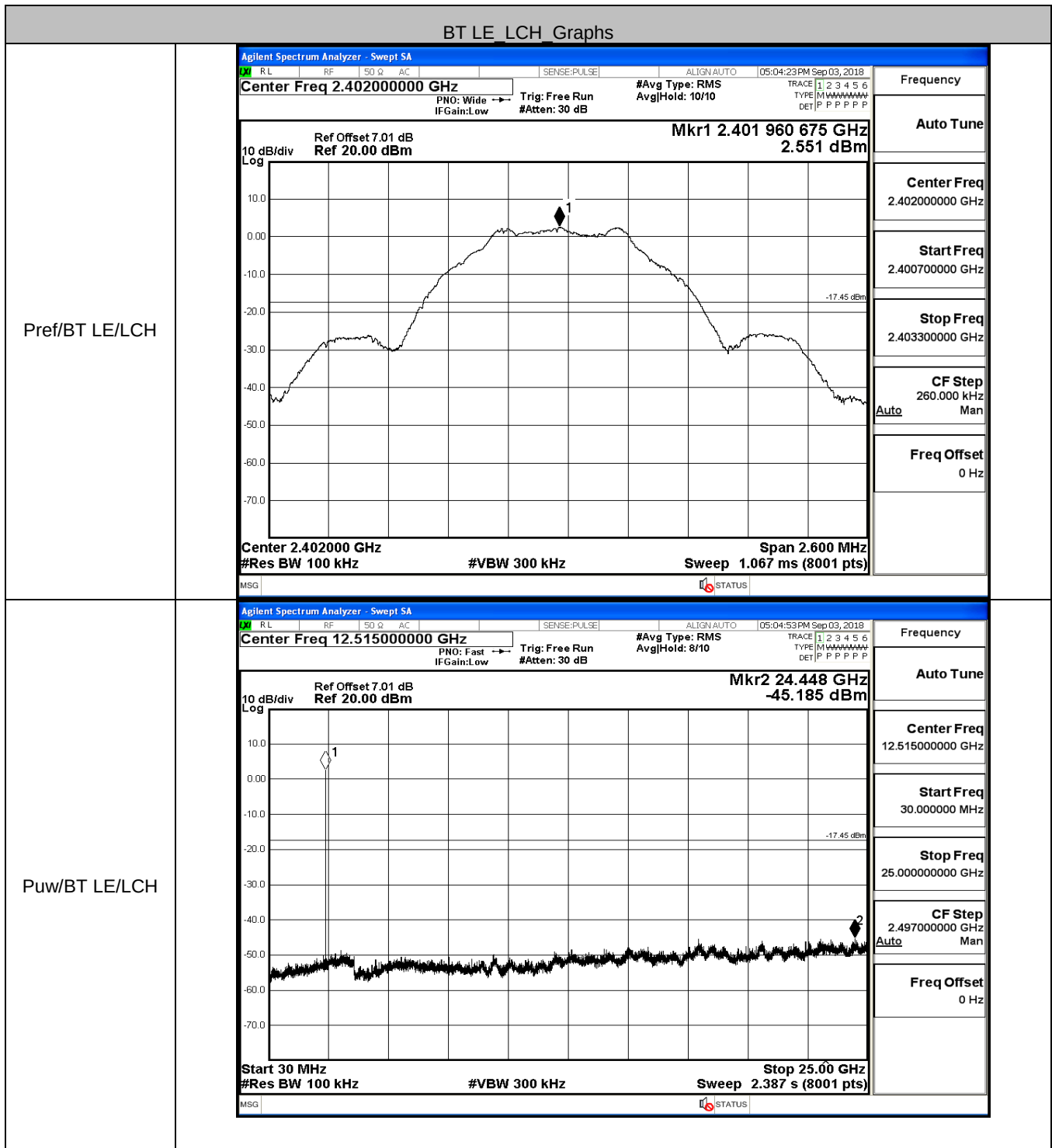


HCH



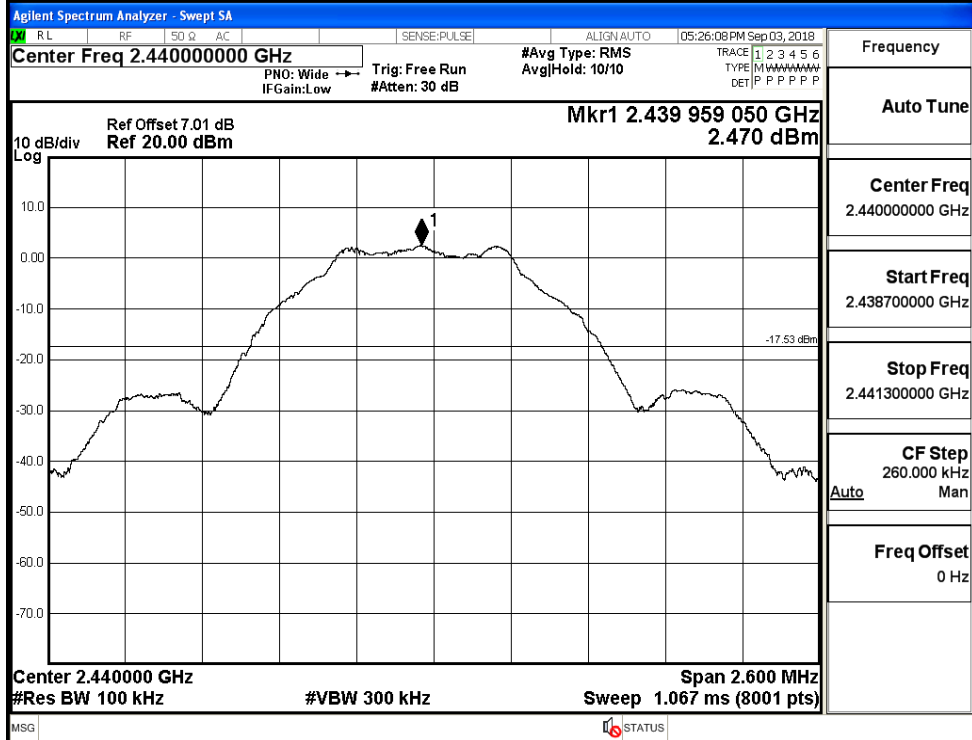
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.551	-45.185	-17.449	PASS
BT LE	MCH	2.47	-44.857	-17.530	PASS
BT LE	HCH	2.291	-45.349	-17.709	PASS

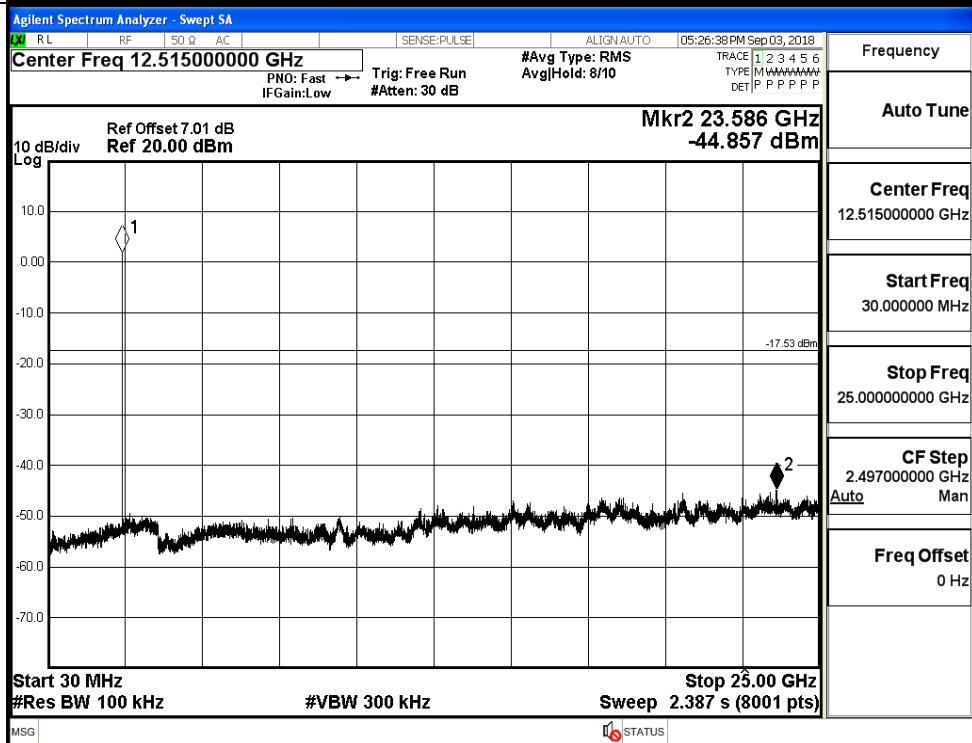


BT LE MCH Graphs

Pref/BT LE/MCH

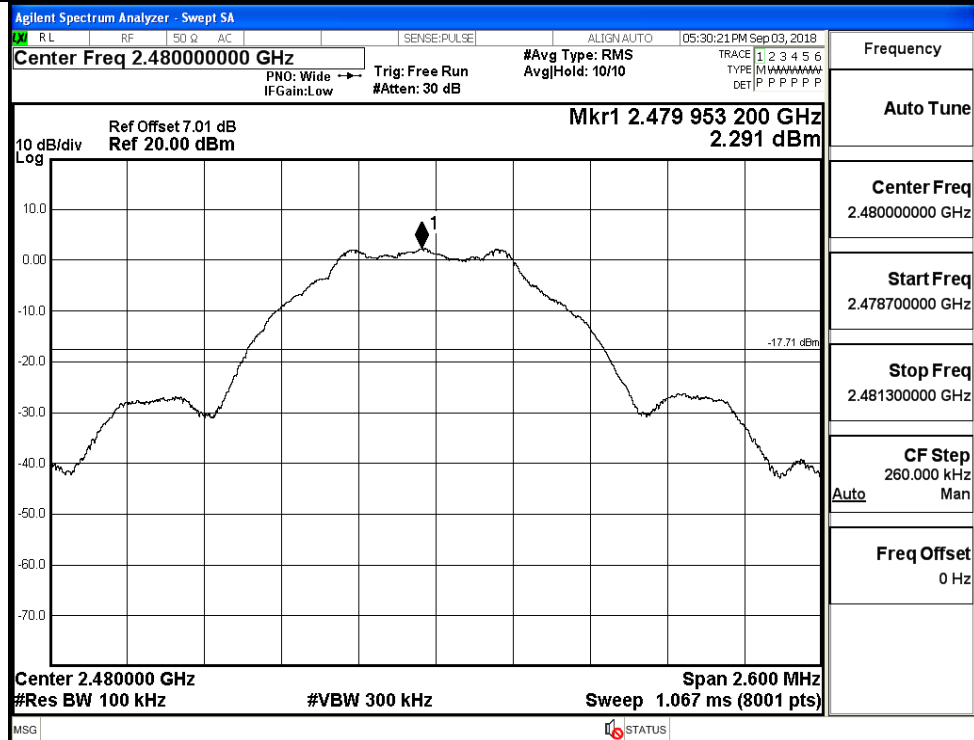


Puw/BT LE/MCH

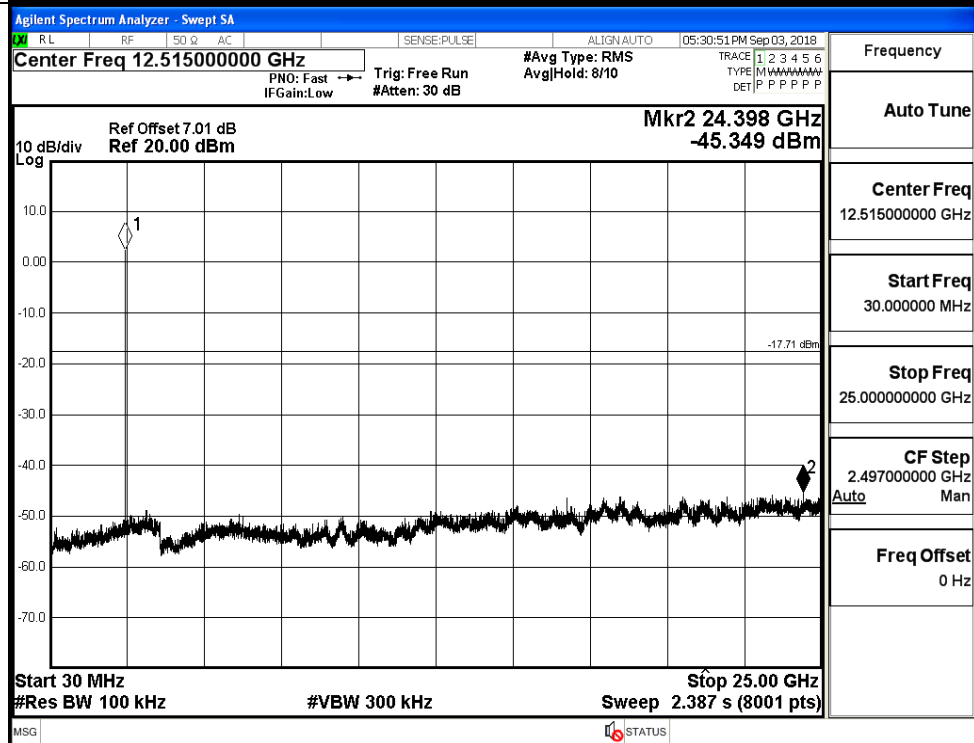


BT LE HCH Graphs

Pref/BT LE/HCH

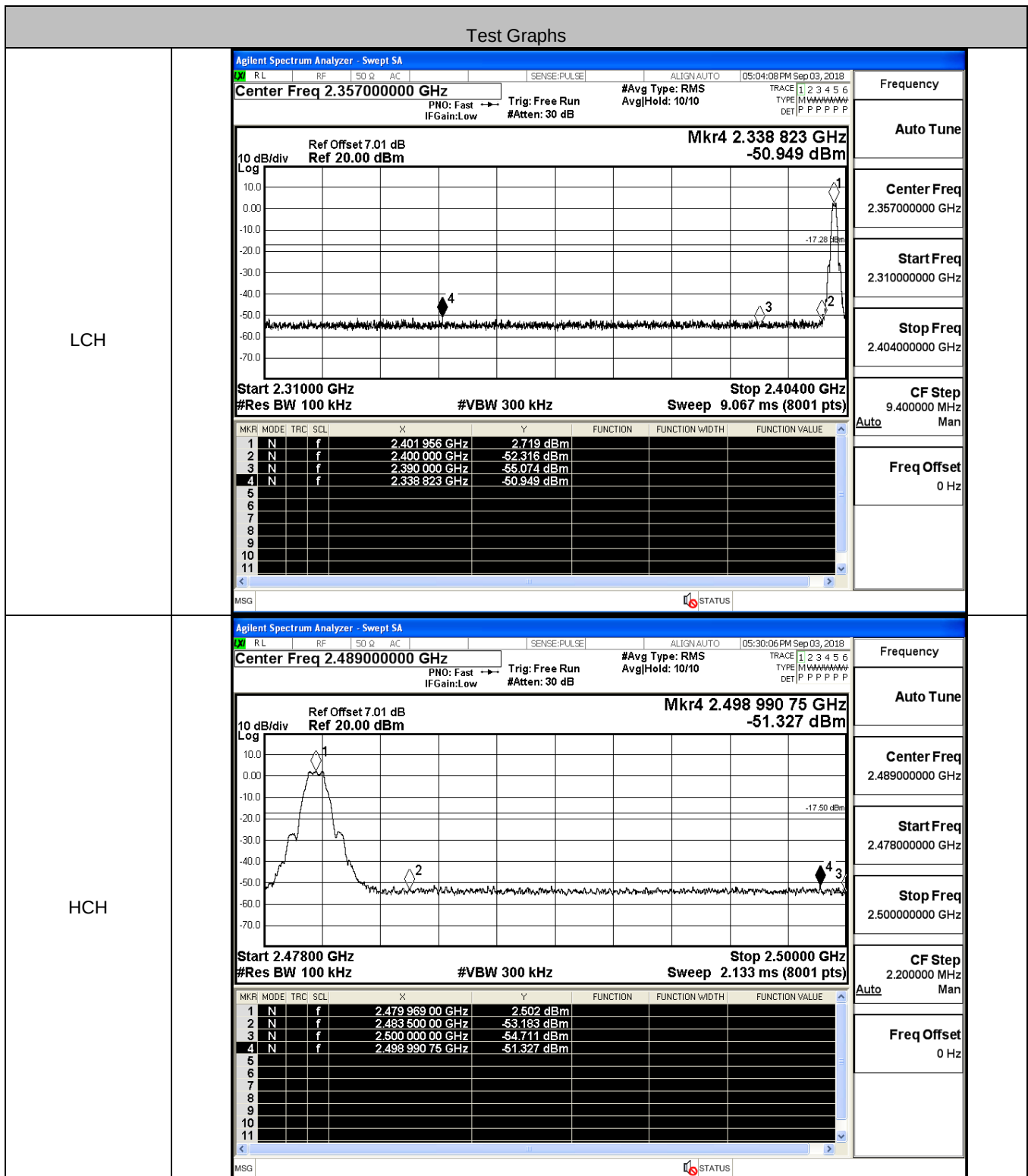


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

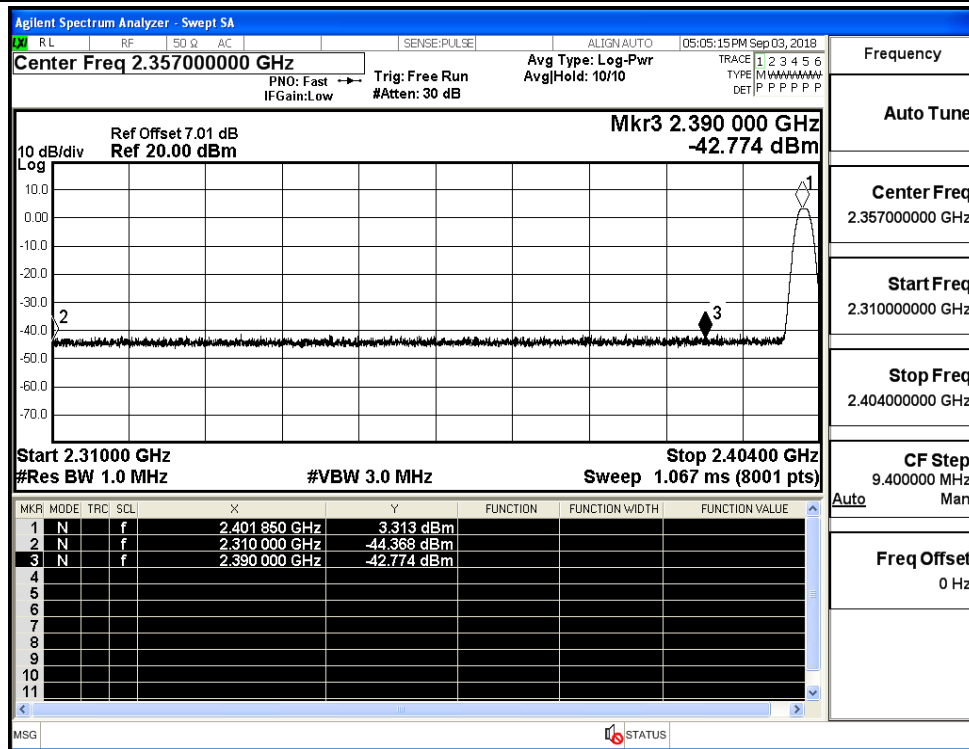
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.719	-50.949	-17.28	PASS
BT LE	HCH	2.502	-51.327	-17.5	PASS



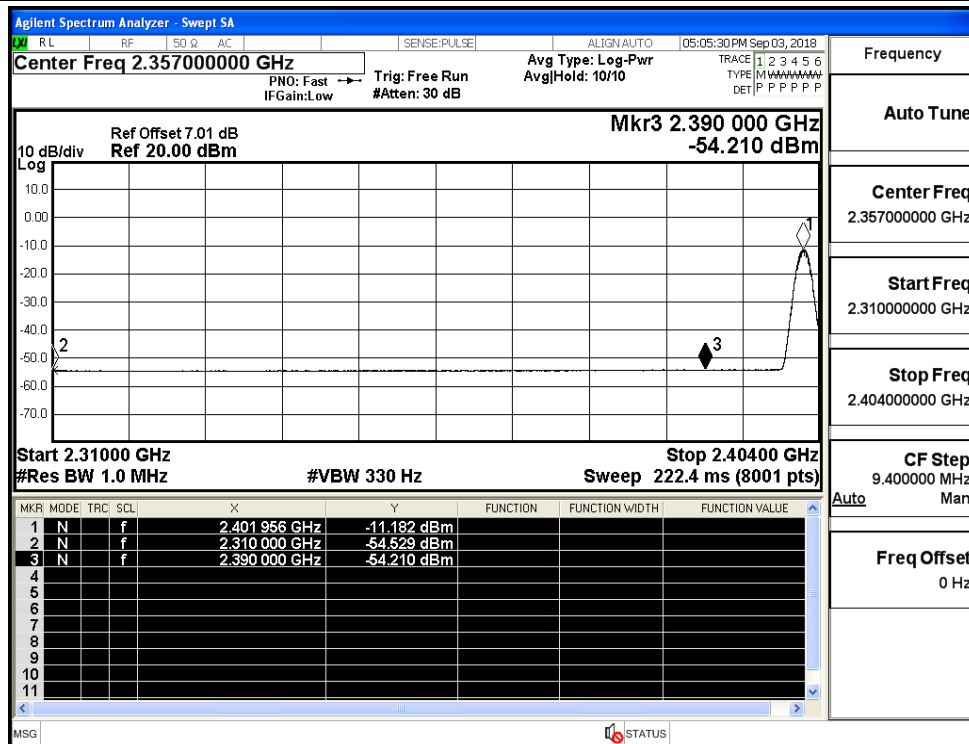
B.7 Restrict-band band-edge measurements

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	-44.37	2.5	0	53.39	PEAK	74	PASS
		Ant1	2310.0	-54.53	2.5	0	43.23	AV	54	PASS
		Ant1	2390.0	-42.77	2.5	0	54.99	PEAK	74	PASS
		Ant1	2390.0	-54.21	2.5	0	43.55	AV	54	PASS
	2480	Ant1	2483.5	-42.24	2.5	0	55.52	PEAK	74	PASS
		Ant1	2483.5	-53.91	2.5	0	43.85	AV	54	PASS
		Ant1	2500.0	-43.78	2.5	0	53.98	PEAK	74	PASS
		Ant1	2500.0	-53.92	2.5	0	43.84	AV	54	PASS

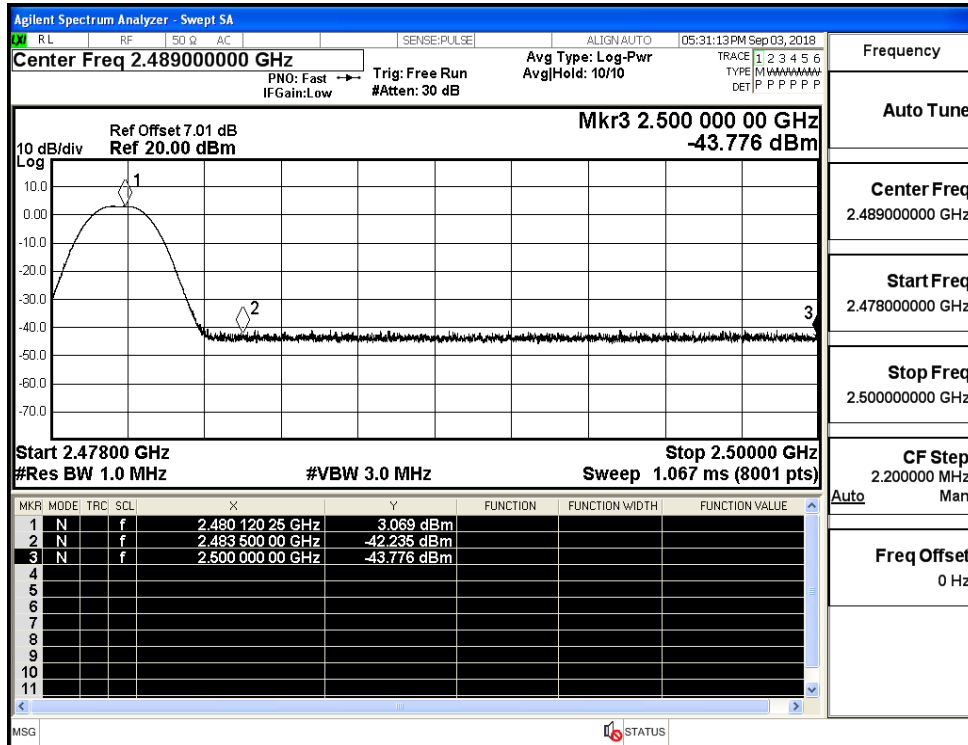
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

