

Appendix B

RF Test Data for BT V4.1(DTS) (Conducted Measurement)

Product Name: Facial Scan Camera with Temperature Control System

Trade Mark: N/A

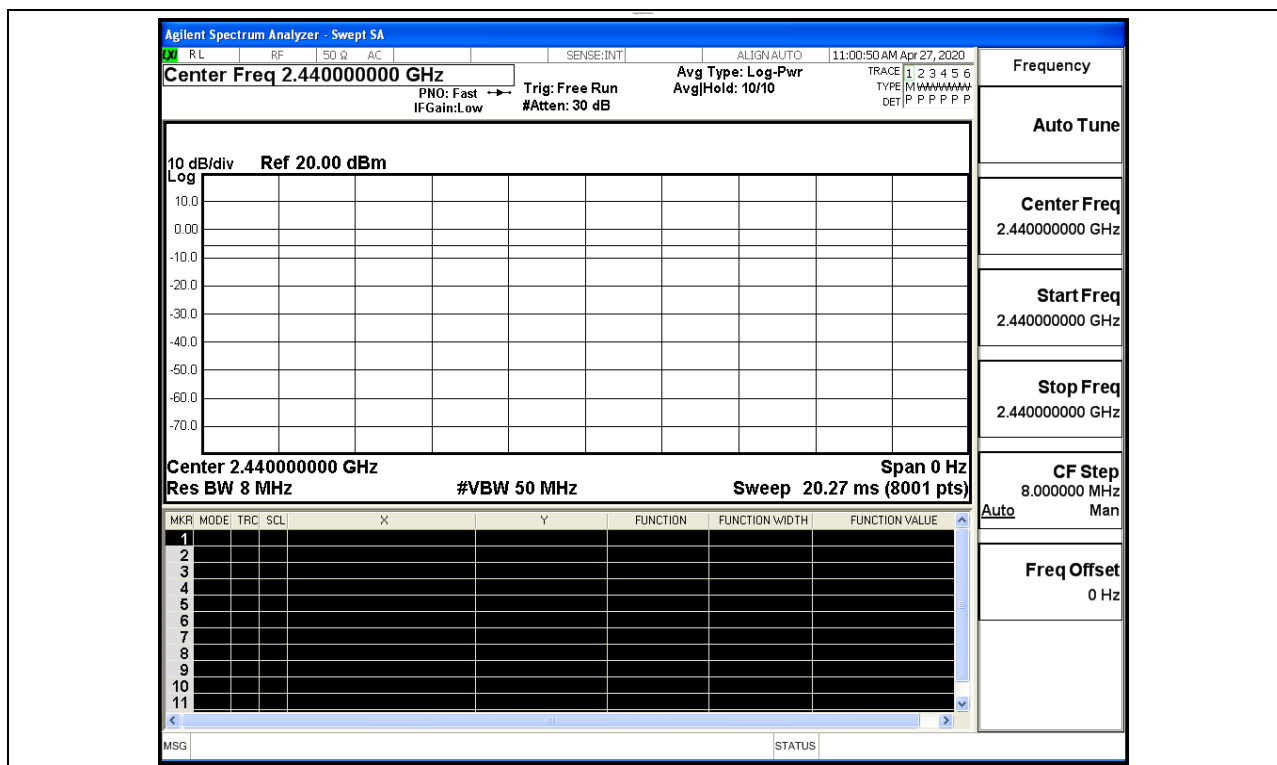
Test Model: LKS-TM001A

Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Li Huan

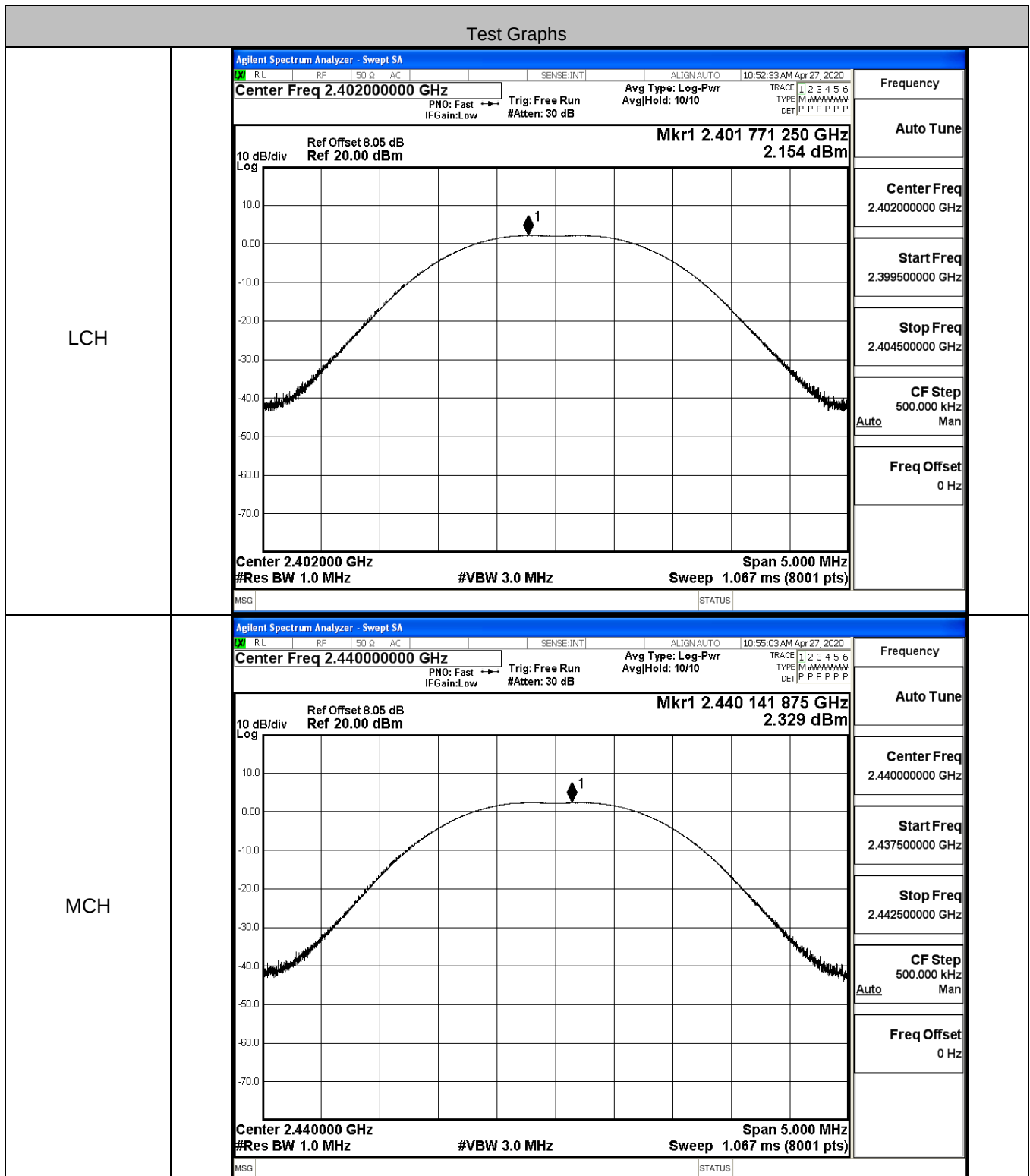
B.1 Duty Cycle

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

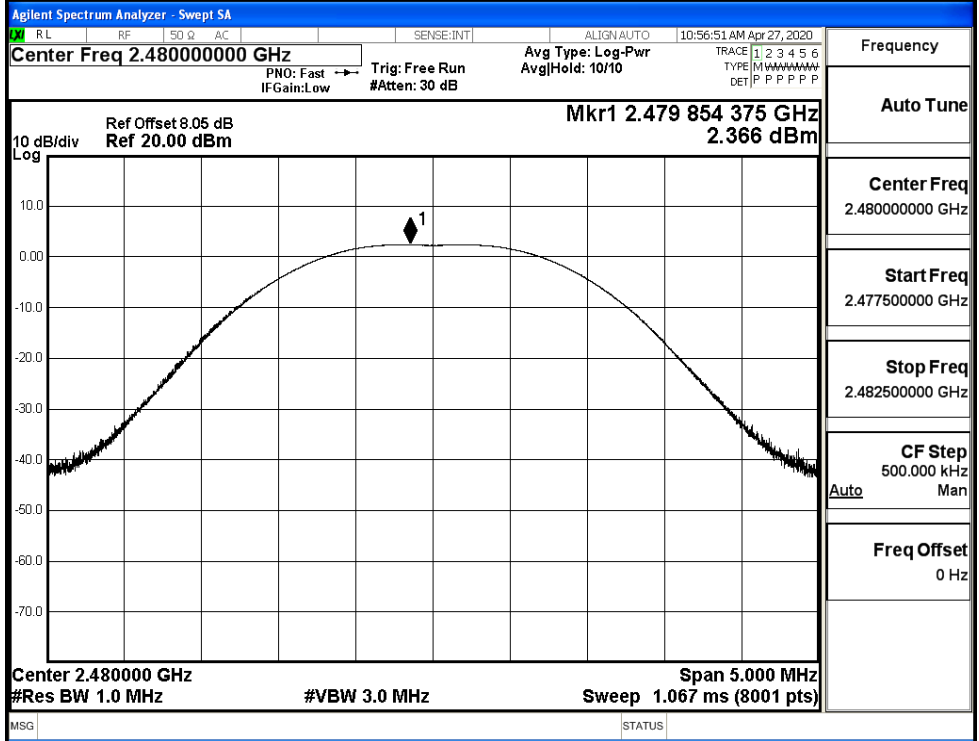


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.154	30	PASS
BT LE	MCH	2.329	30	PASS
BT LE	HCH	2.366	30	PASS

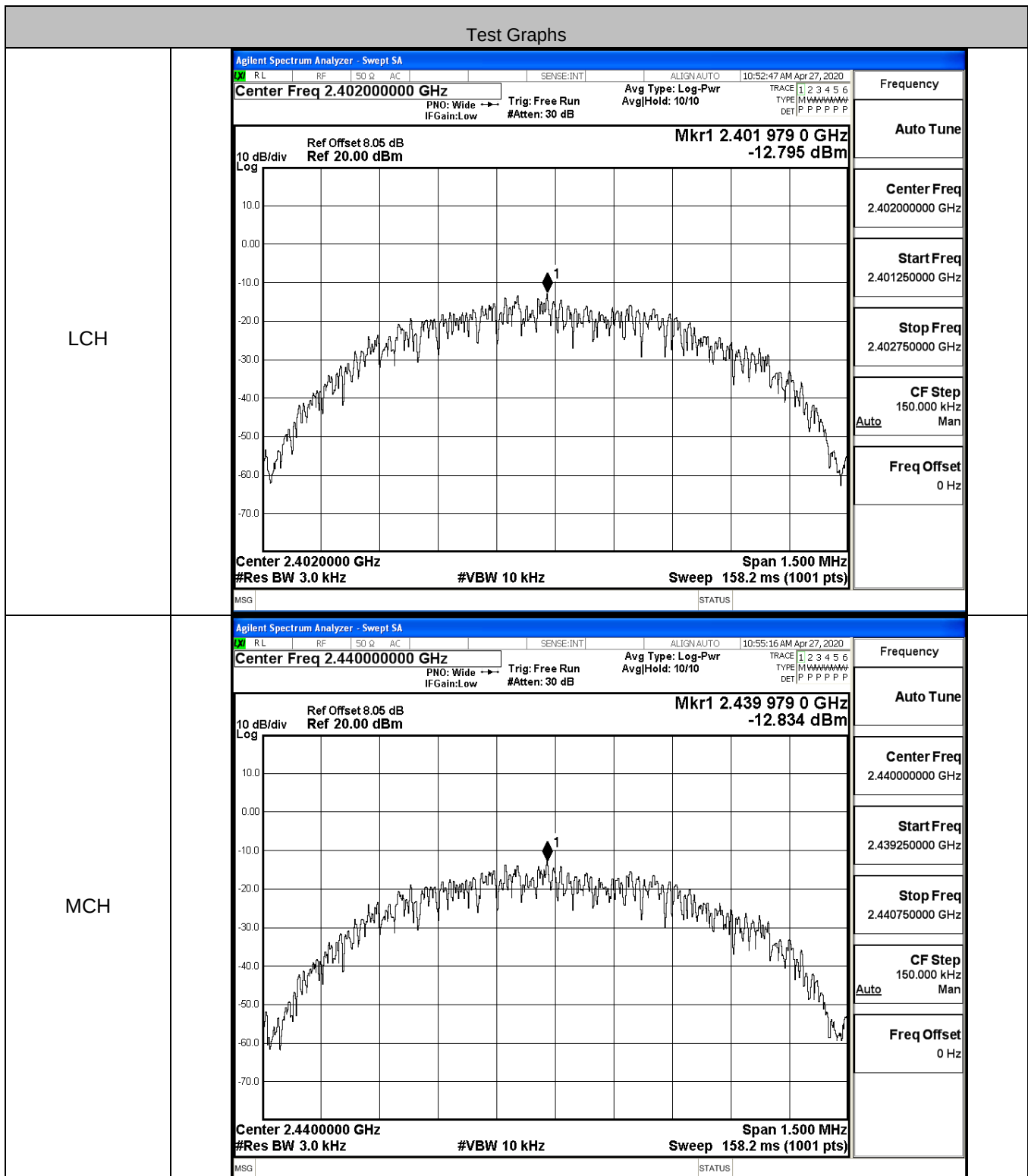


HCH

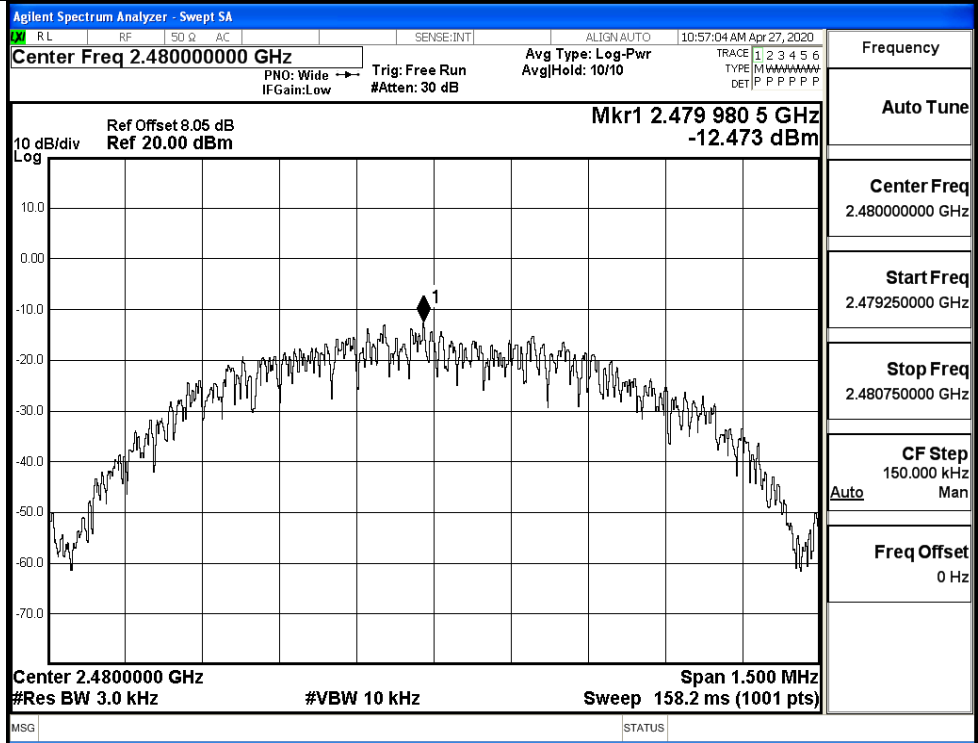


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-12.795	8	PASS
BT LE	MCH	-12.834	8	PASS
BT LE	HCH	-12.473	8	PASS

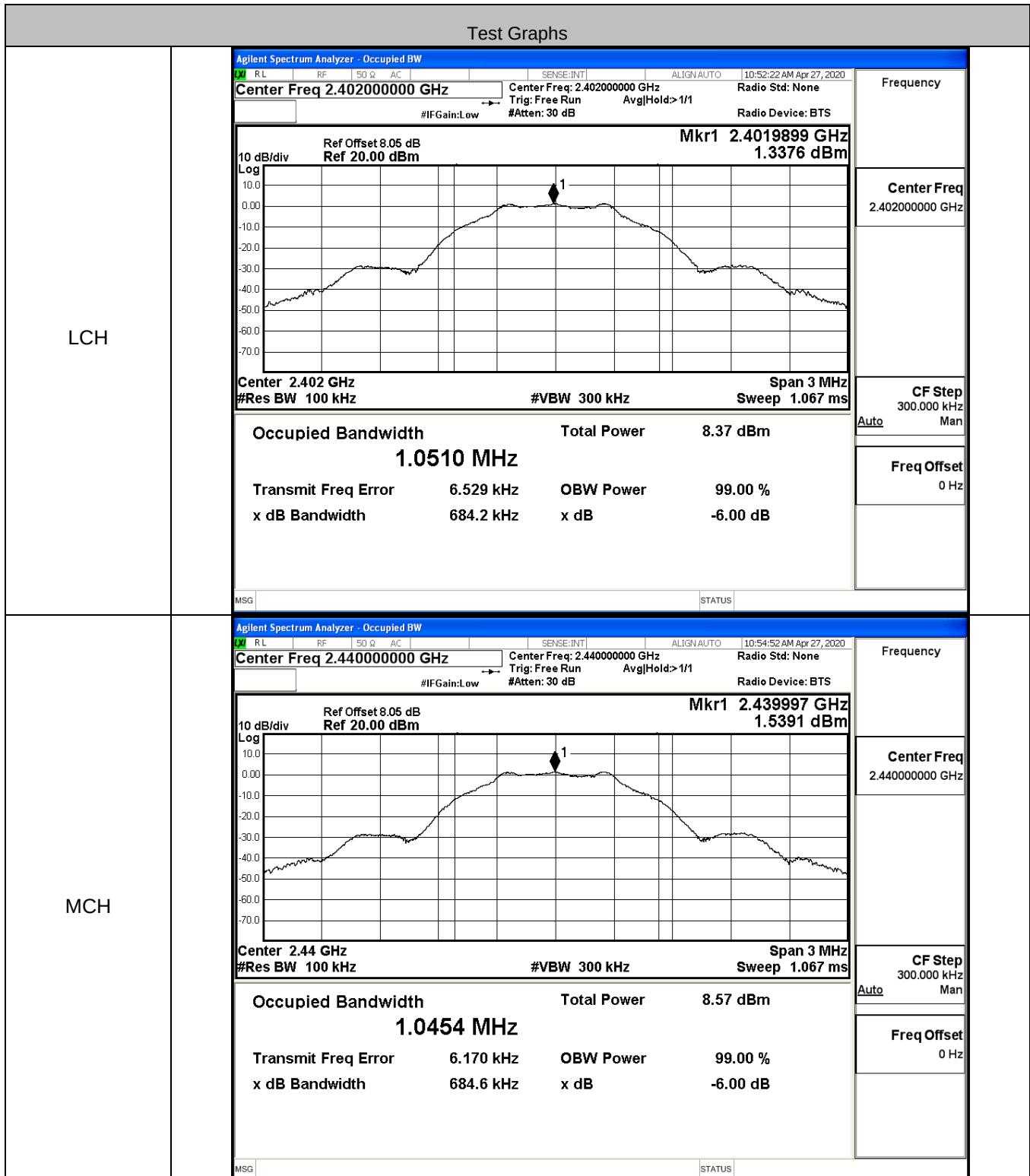


HCH

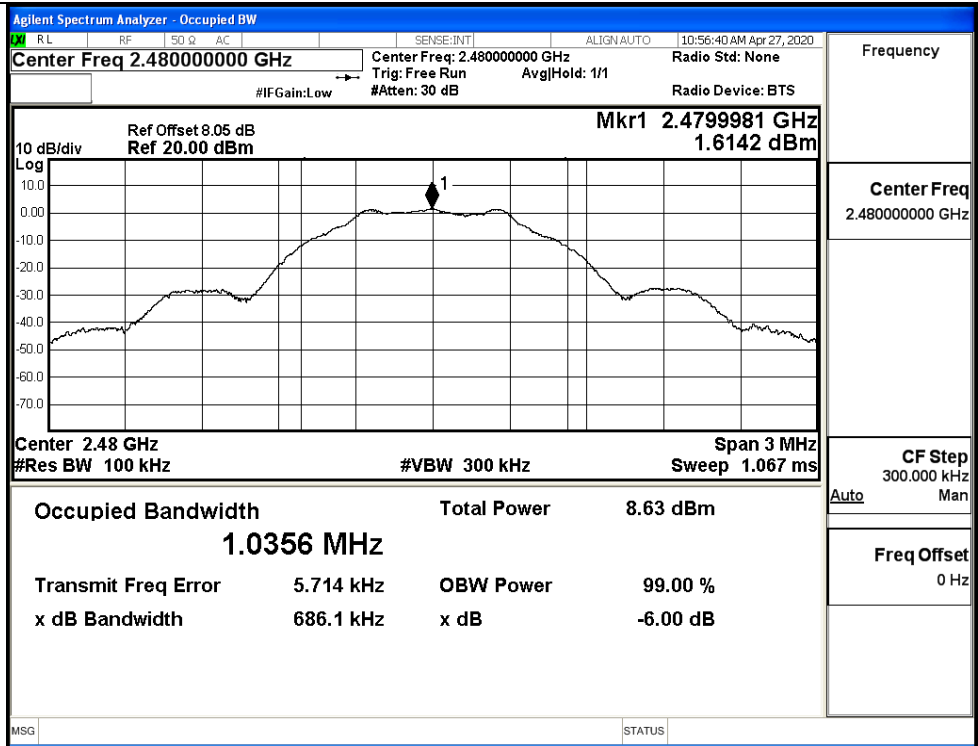


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6842	≥ 0.5	PASS
BT LE	MCH	0.6846	≥ 0.5	PASS
BT LE	HCH	0.6861	≥ 0.5	PASS

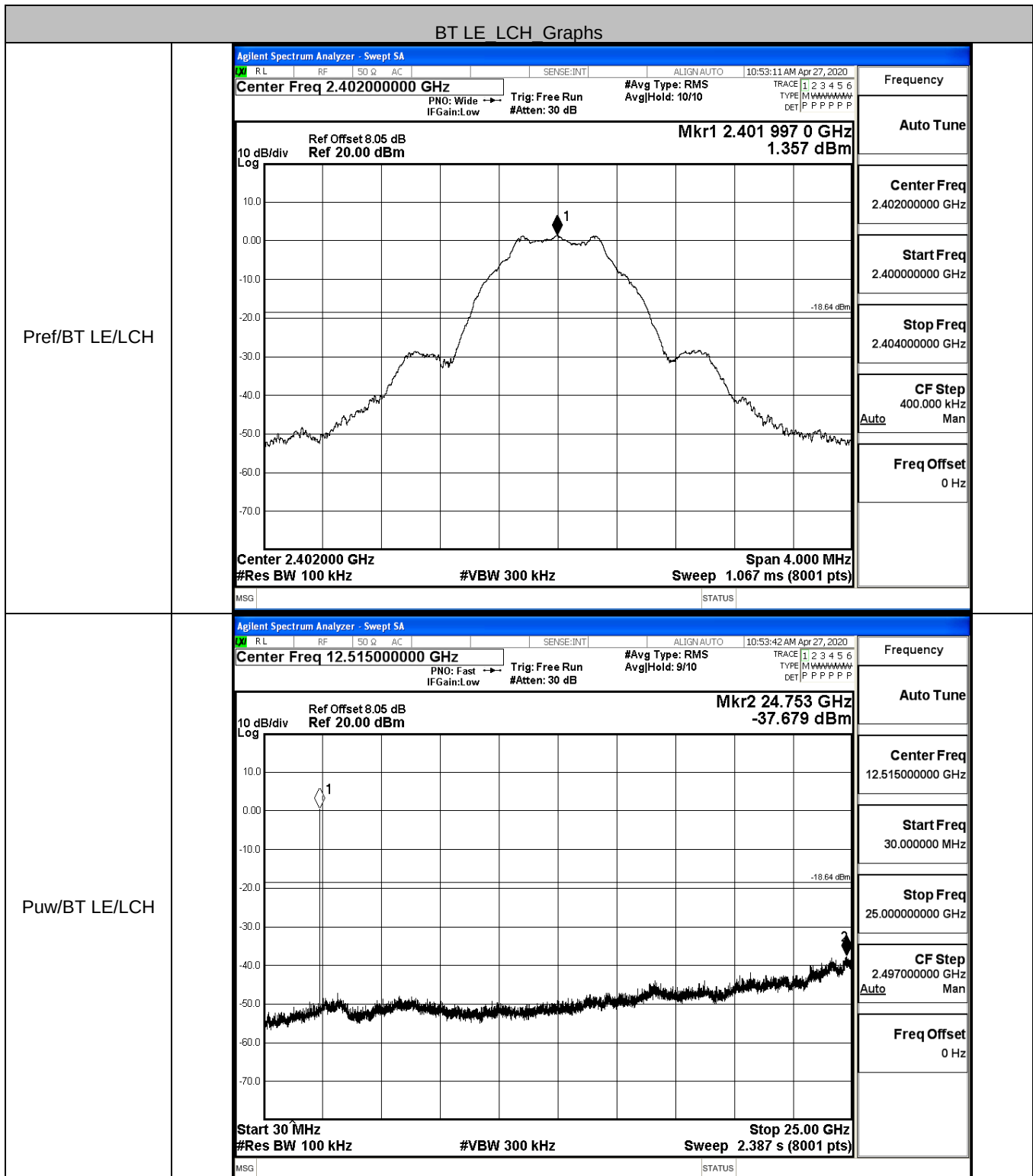


HCH



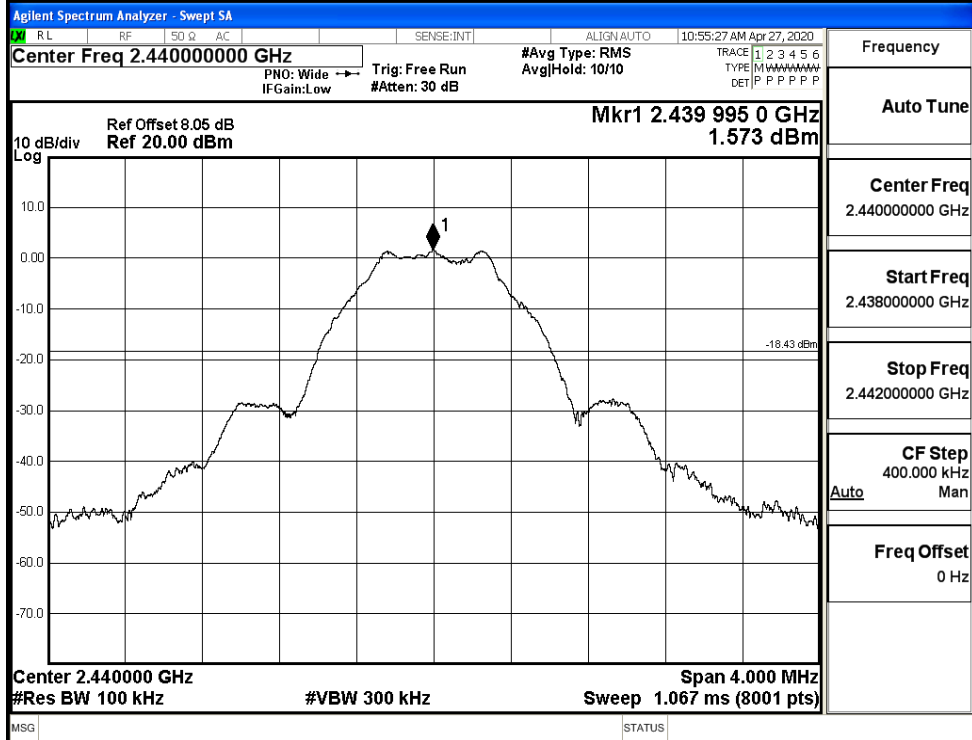
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.357	-37.679	-18.643	PASS
BT LE	MCH	1.573	-37.811	-18.427	PASS
BT LE	HCH	1.479	-37.592	-18.521	PASS

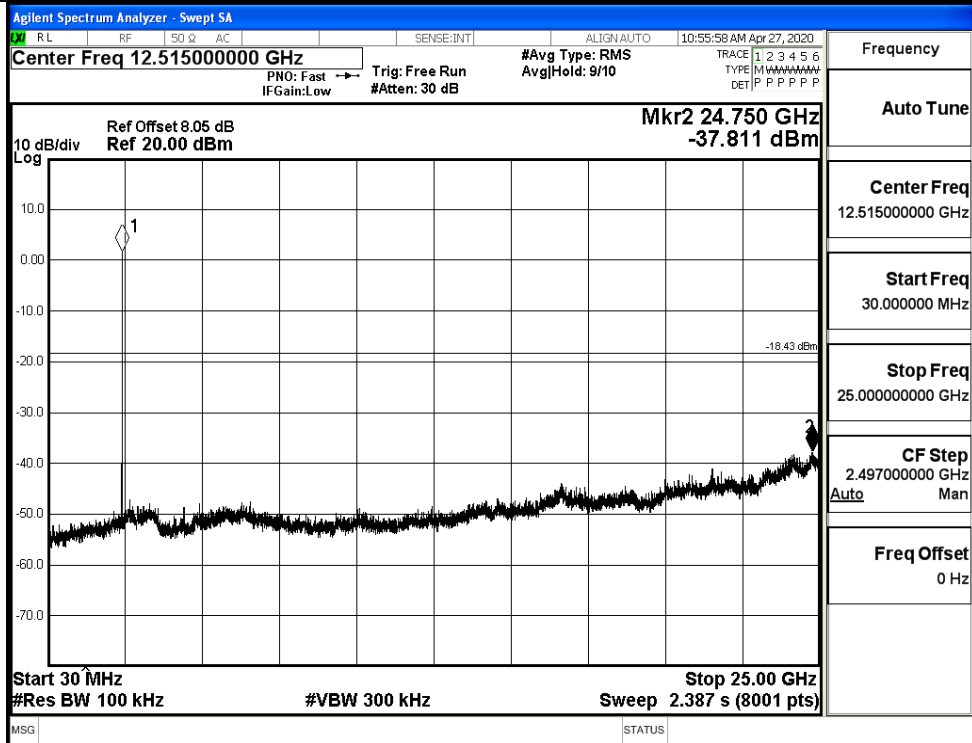


BT LE MCH Graphs

Pref/BT LE/MCH

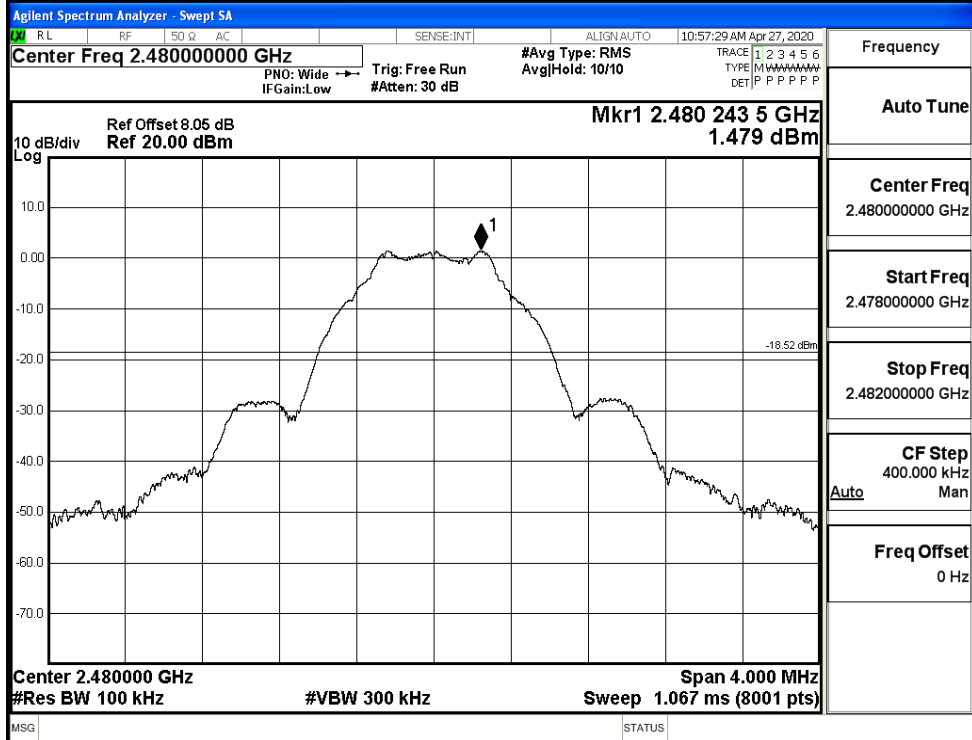


Puw/BT LE/MCH

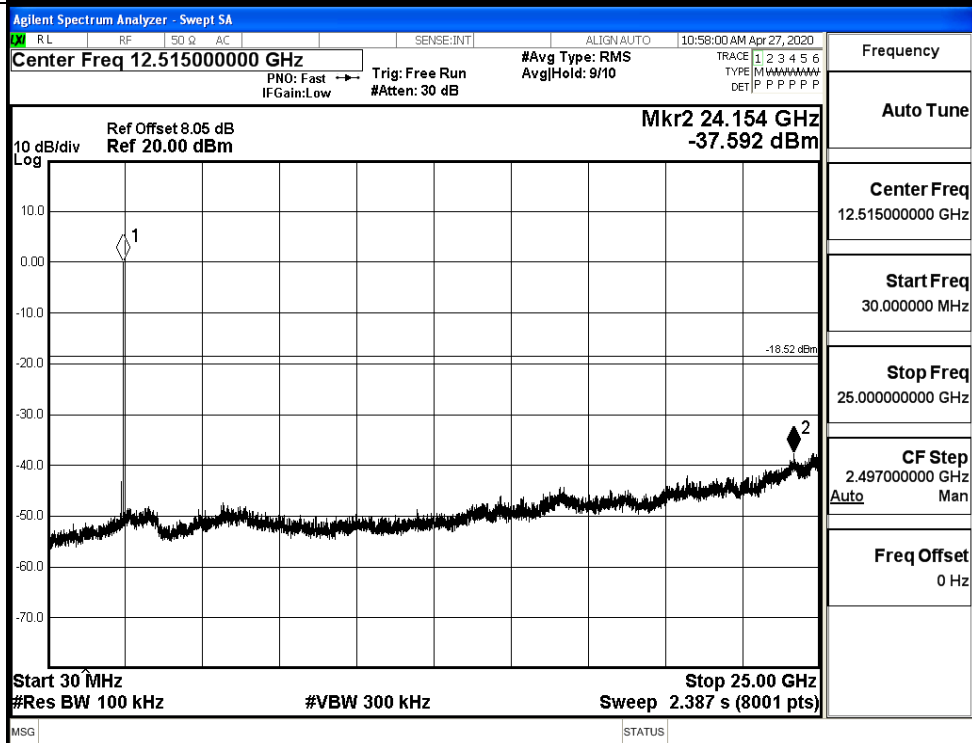


BT LE HCH Graphs

Pref/BT LE/HCH

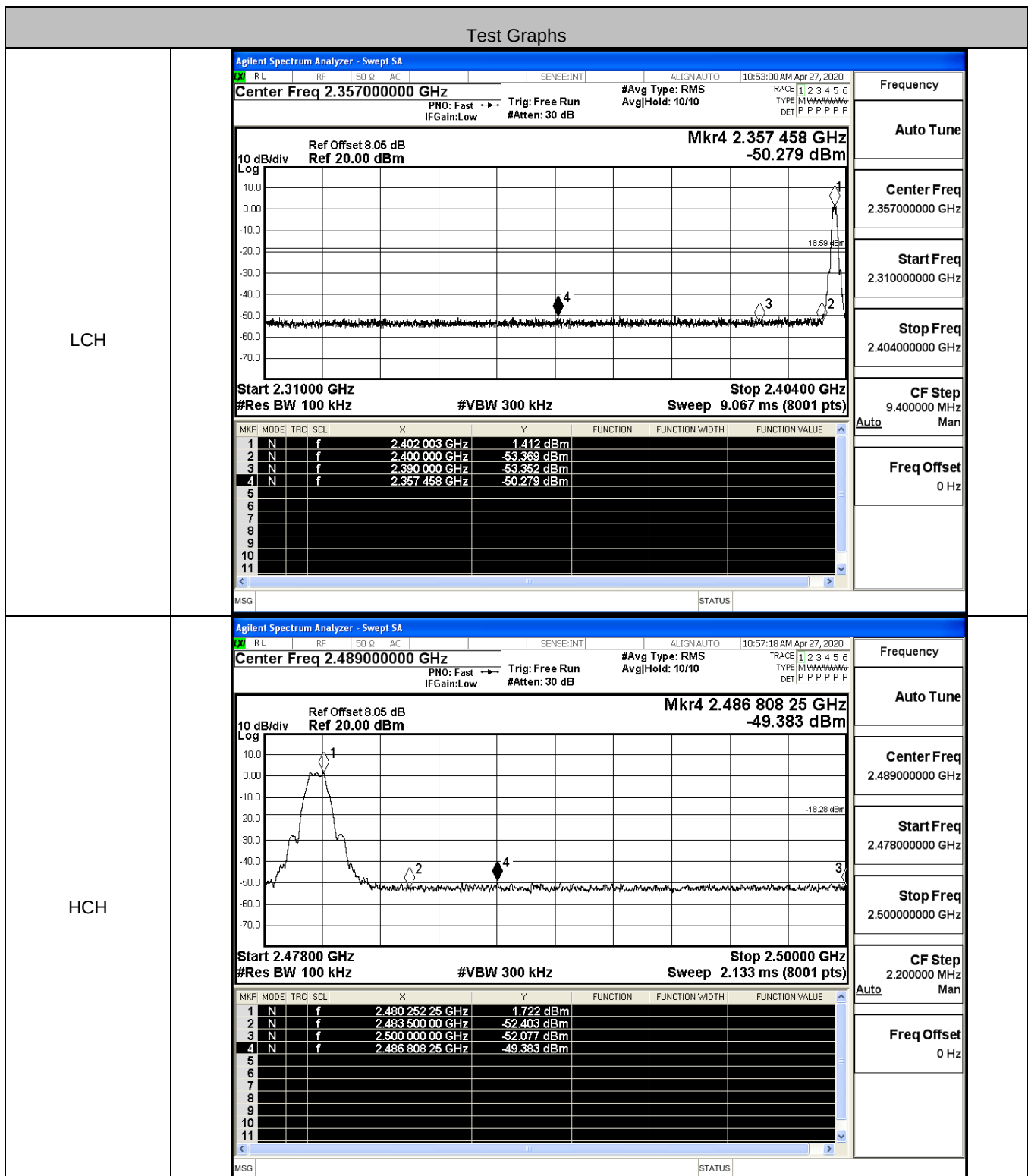


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

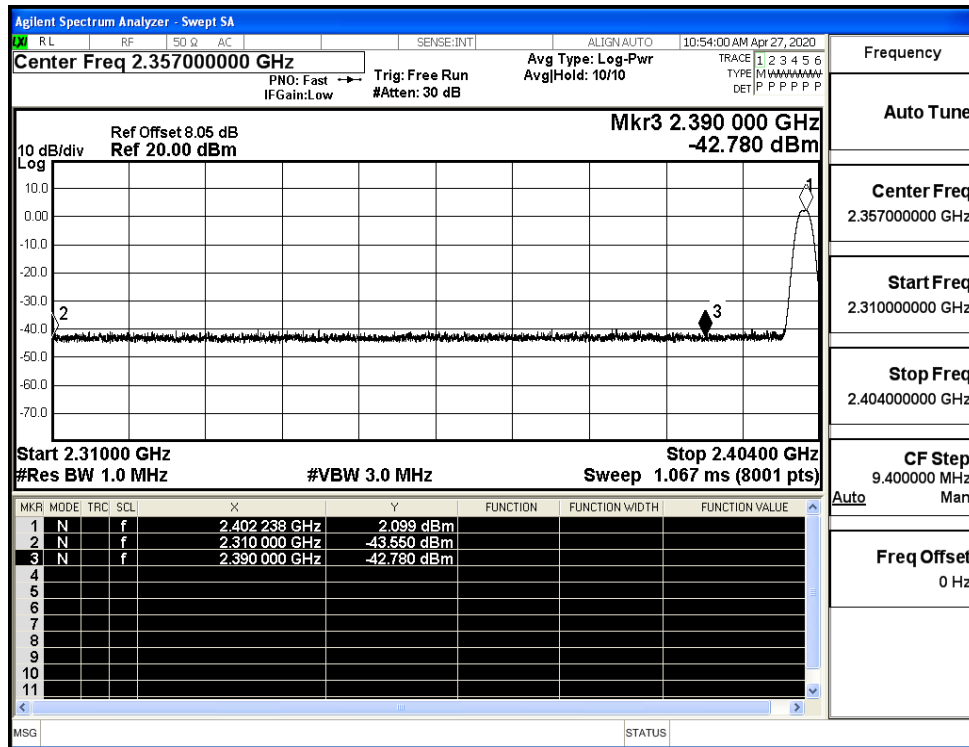
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.412	-50.279	-18.59	PASS
BT LE	HCH	1.722	-49.383	-18.28	PASS



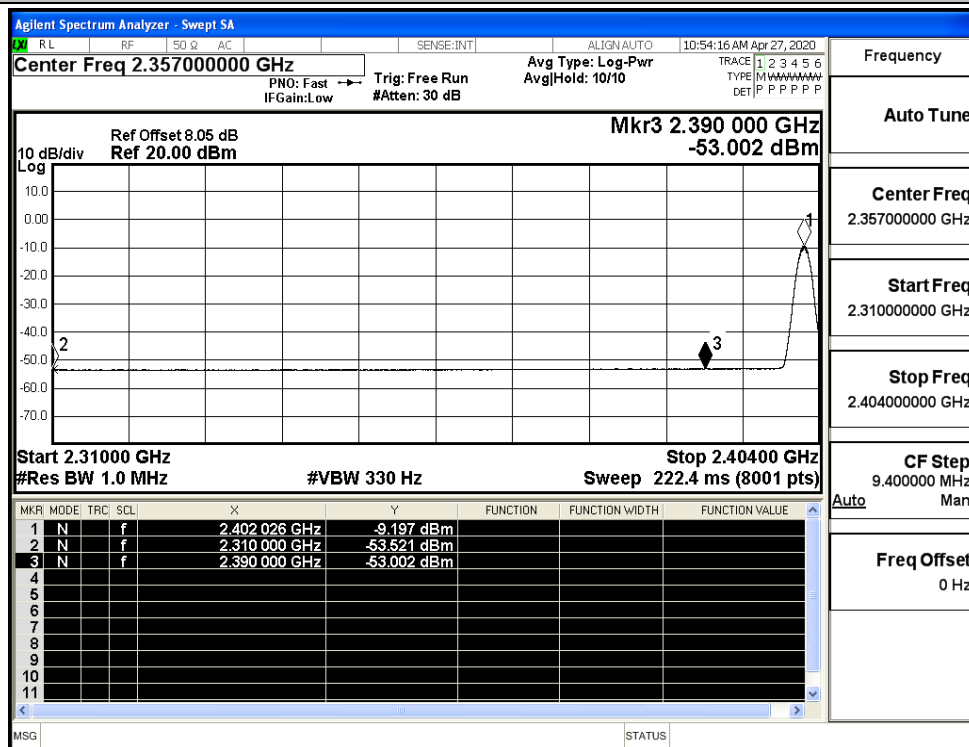
B.7 Restrict-band band-edge measurements

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	-43.55	2.0	0	53.68	PEAK	74	PASS
		Ant1	2310.0	-53.52	2.0	0	43.71	AV	54	PASS
		Ant1	2390.0	-42.78	2.0	0	54.45	PEAK	74	PASS
		Ant1	2390.0	-53.00	2.0	0	44.23	AV	54	PASS
	2480	Ant1	2483.5	-42.74	2.0	0	54.49	PEAK	74	PASS
		Ant1	2483.5	-52.59	2.0	0	44.64	AV	54	PASS
		Ant1	2500.0	-42.50	2.0	0	54.73	PEAK	74	PASS
		Ant1	2500.0	-52.56	2.0	0	44.67	AV	54	PASS

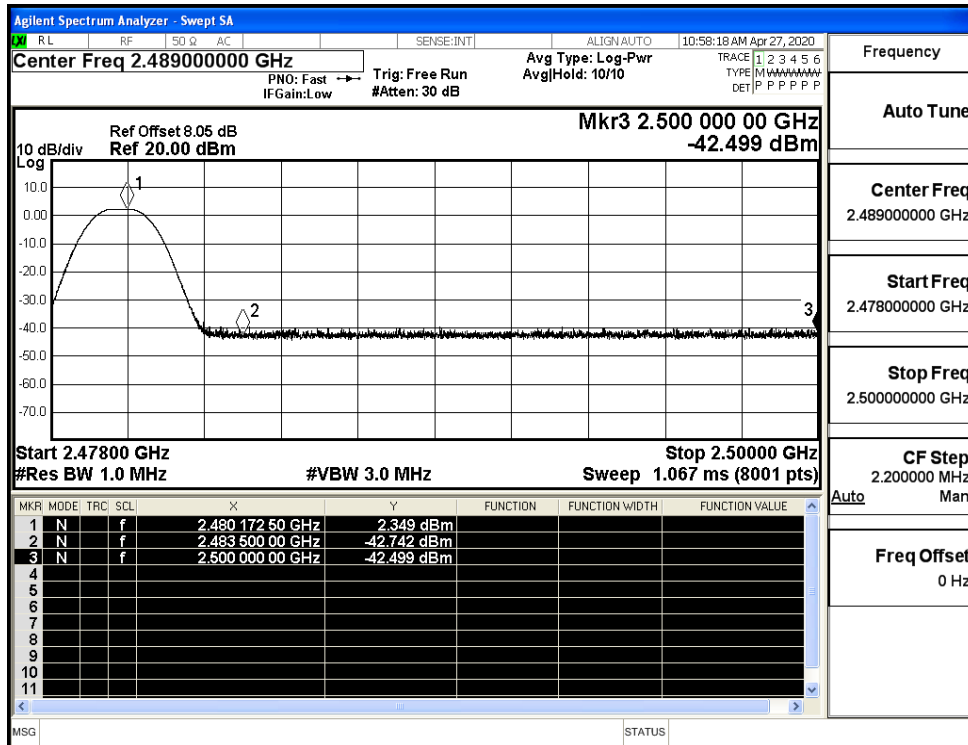
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

