

Appendix B

RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement)

Product Name: Hand Cleansing Facial Scan Kiosk

Trade Mark: N/A

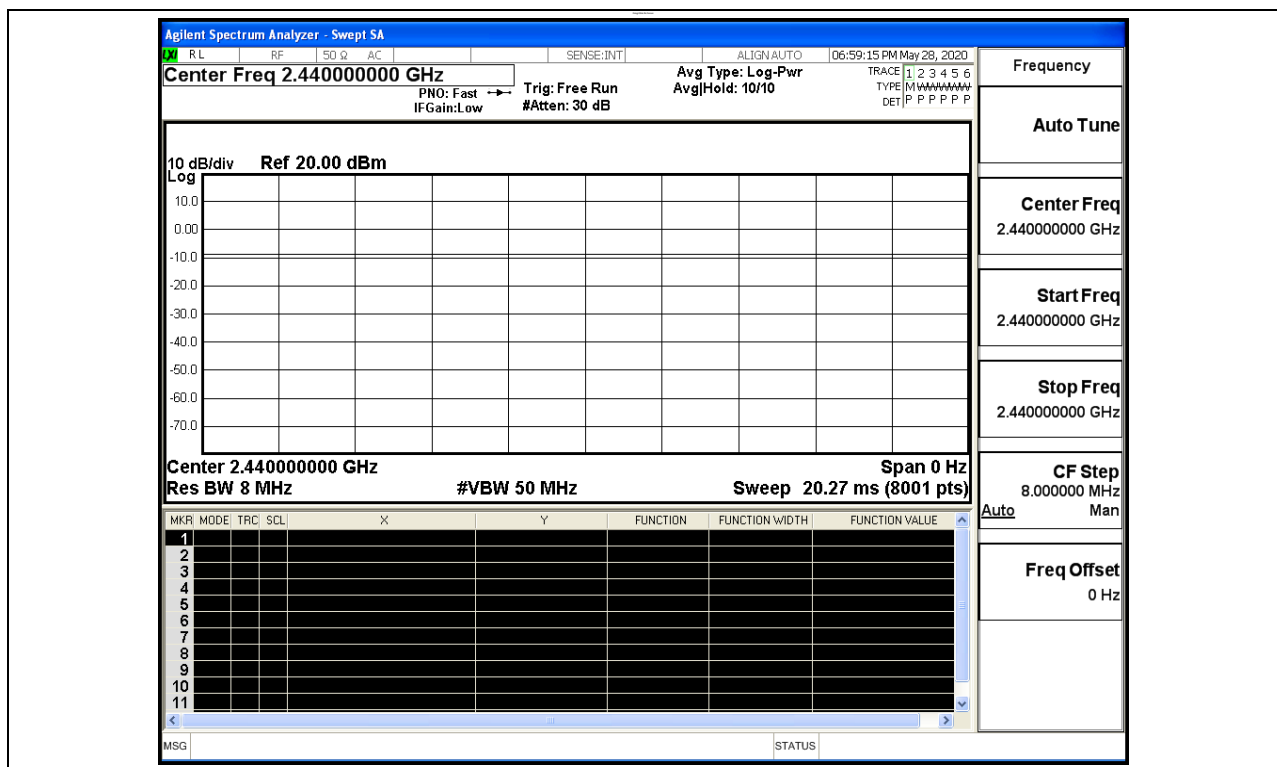
Test Model: LKS-TM001X

Environmental Conditions

Temperature:	23.2°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Scout Wu
Supervised by:	Li Huan

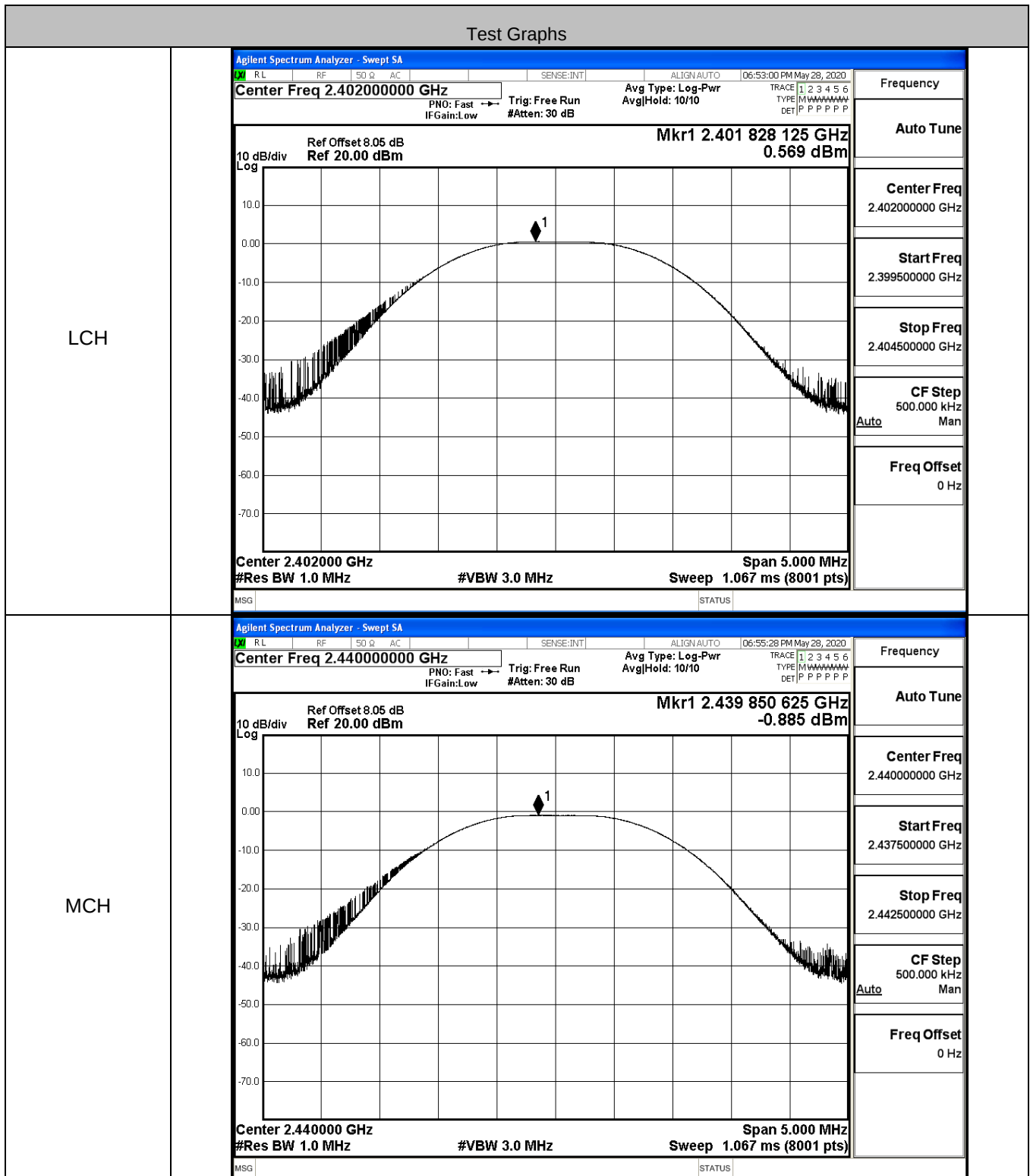
B.1 Duty Cycle

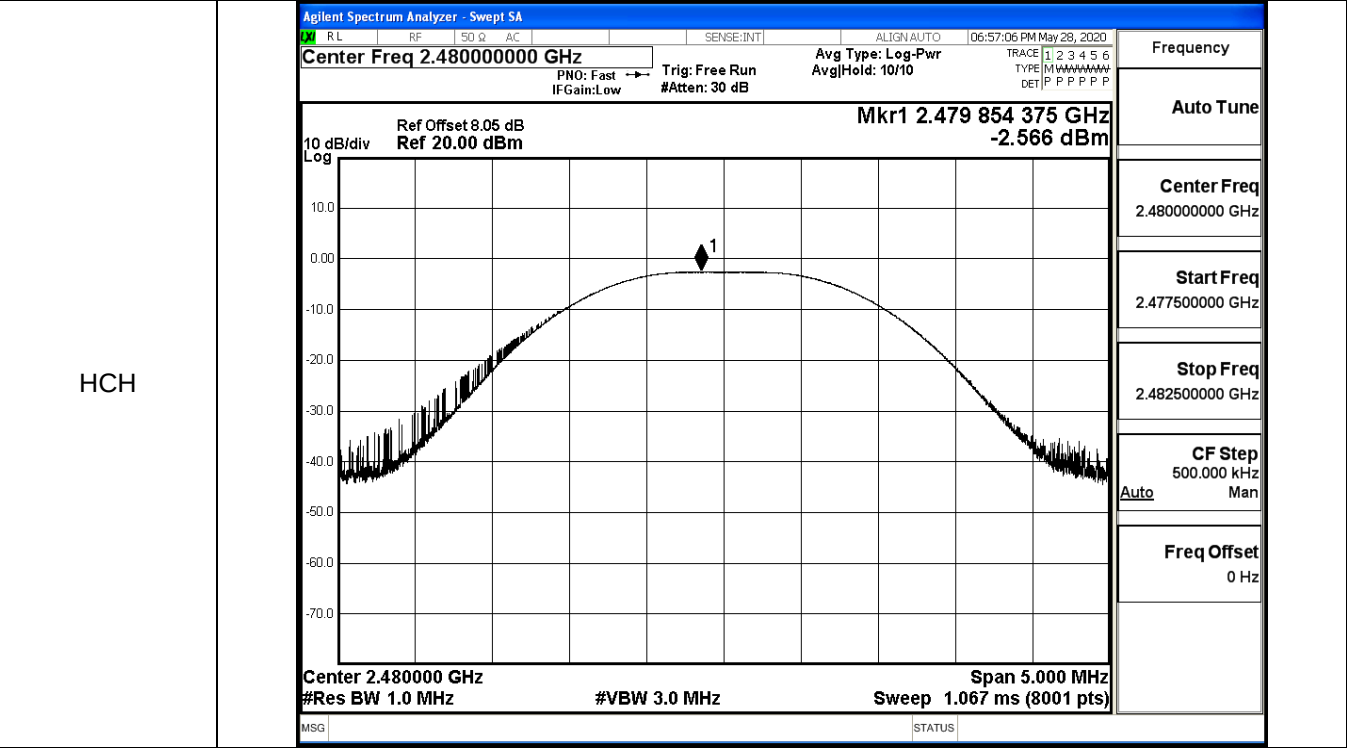
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.569	30	PASS
BT LE	MCH	-0.885	30	PASS
BT LE	HCH	-2.566	30	PASS



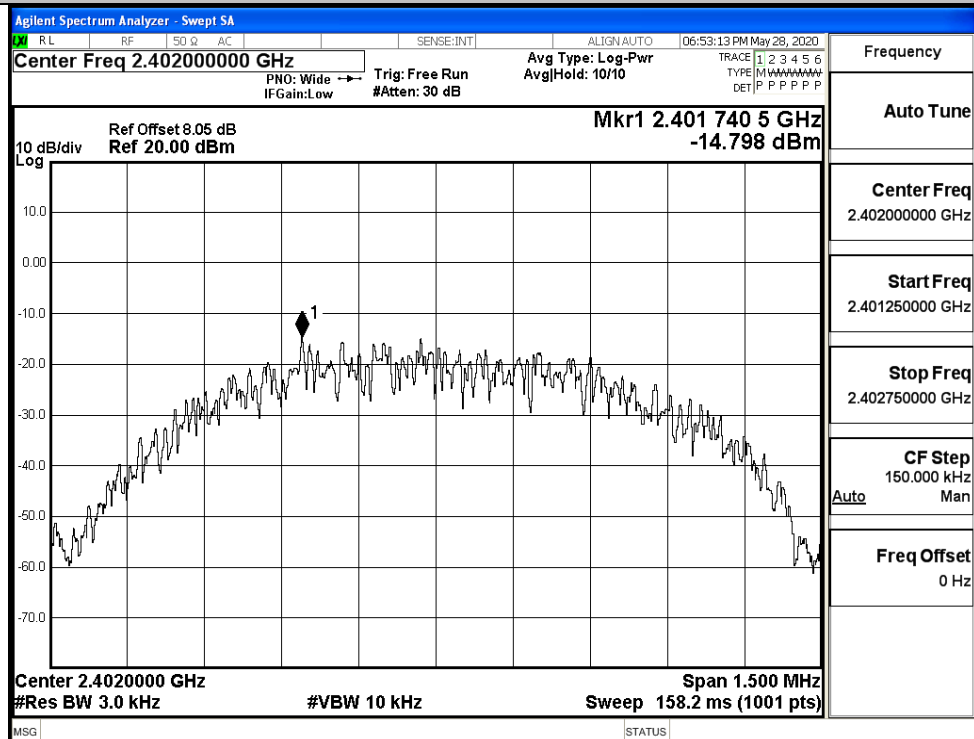


B.3 Maximum Power Spectral Density

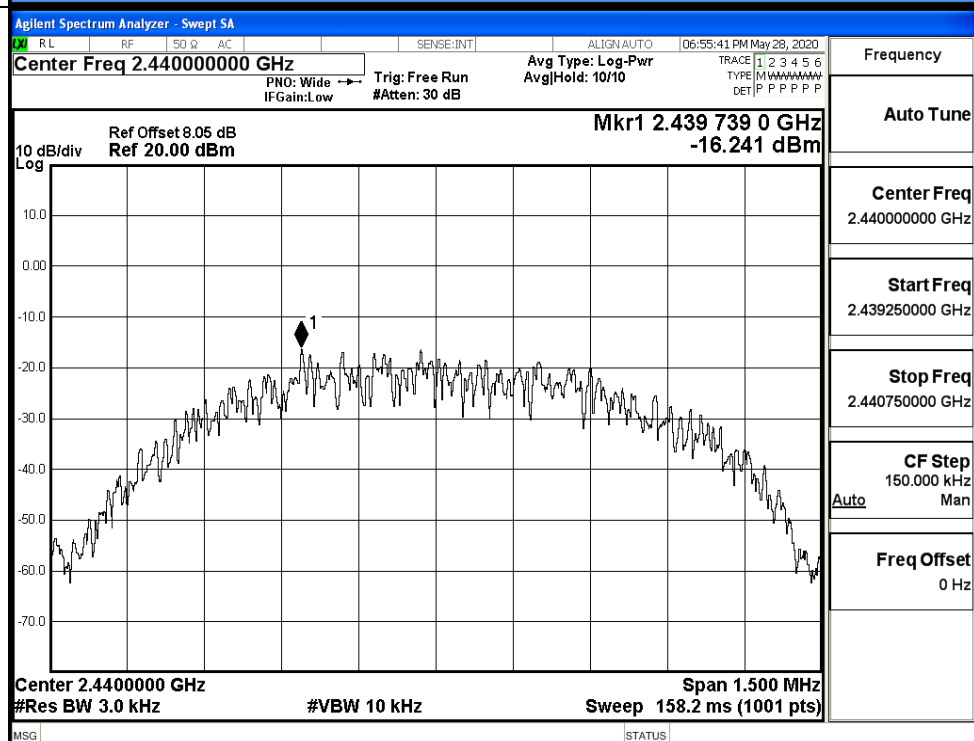
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.798	8	PASS
BT LE	MCH	-16.241	8	PASS
BT LE	HCH	-17.804	8	PASS

Test Graphs

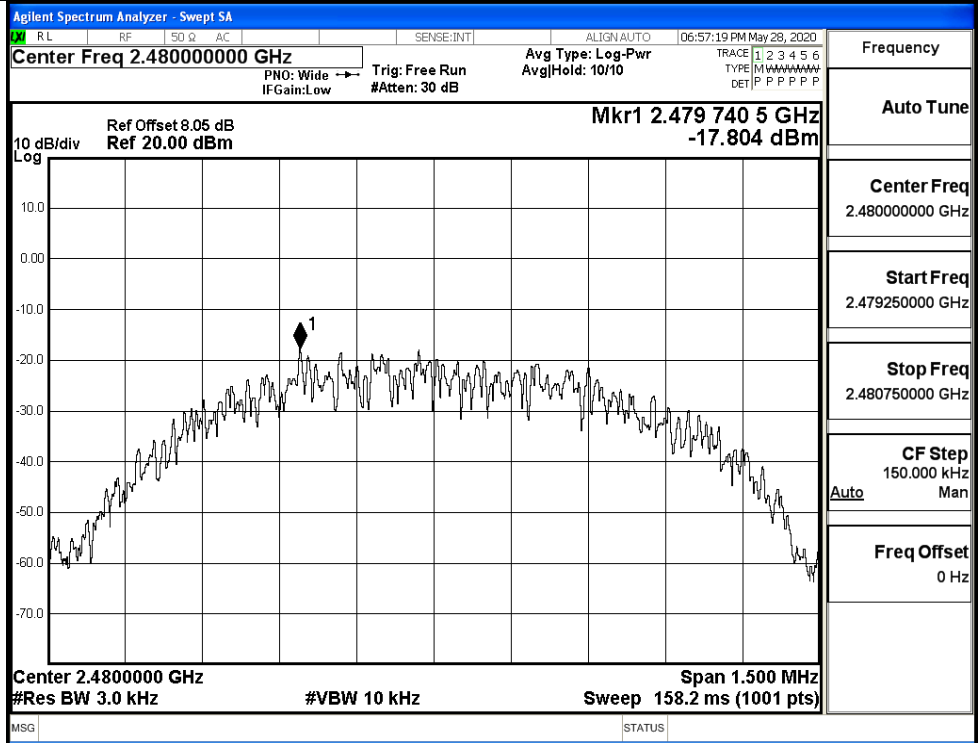
LCH



MCH



HCH

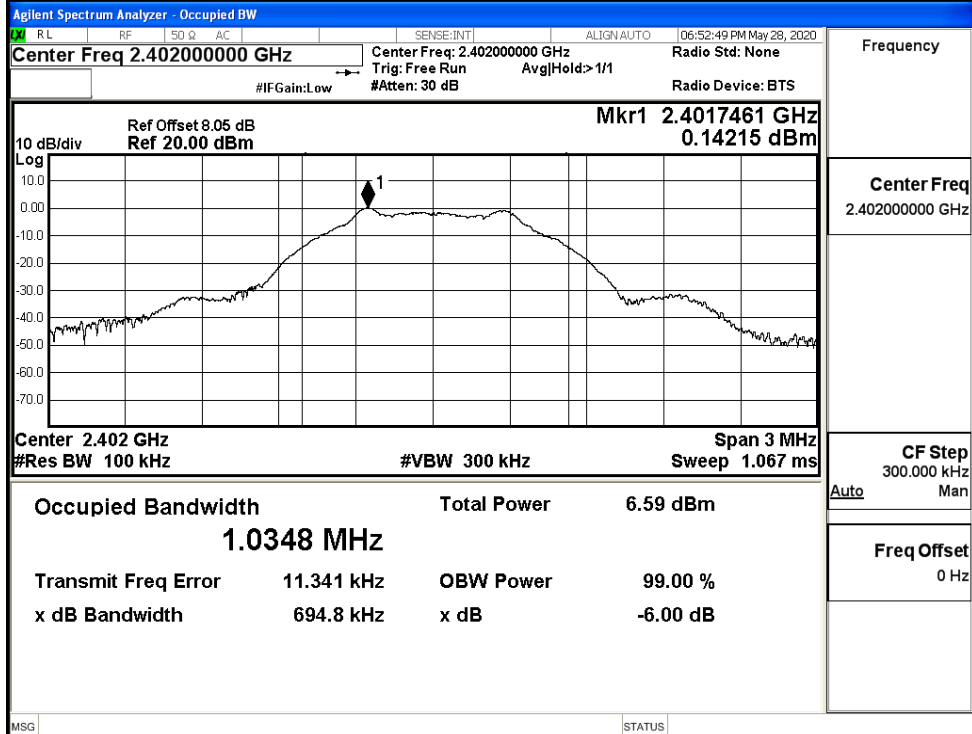


B.4 6dB Bandwidth

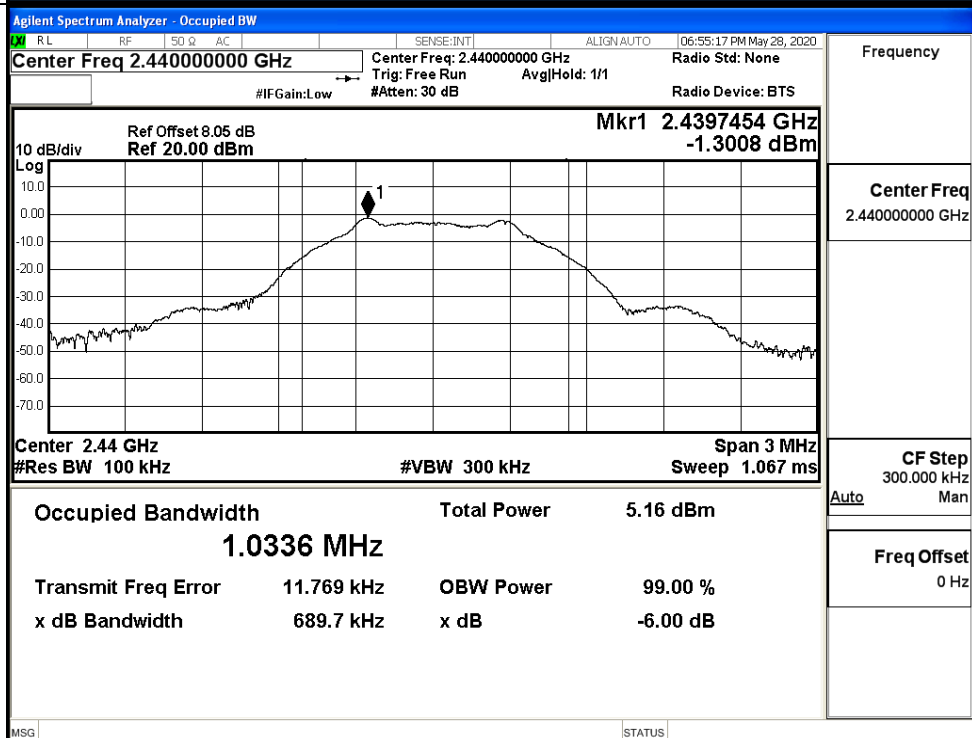
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6948	≥ 0.5	PASS
BT LE	MCH	0.6897	≥ 0.5	PASS
BT LE	HCH	0.6986	≥ 0.5	PASS

Test Graphs

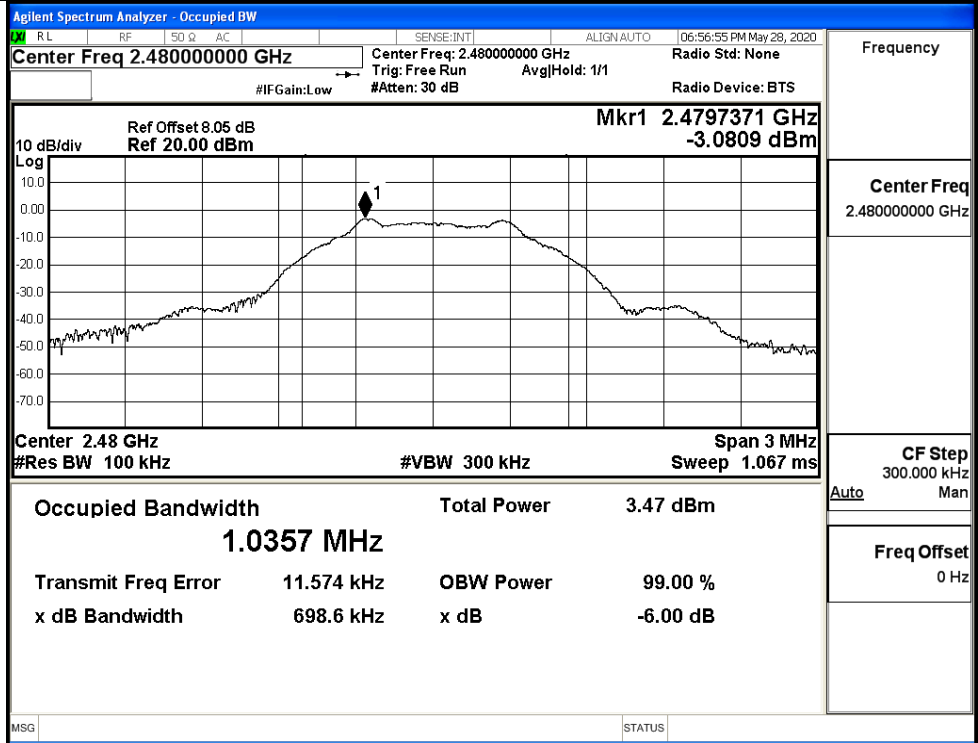
LCH



MCH

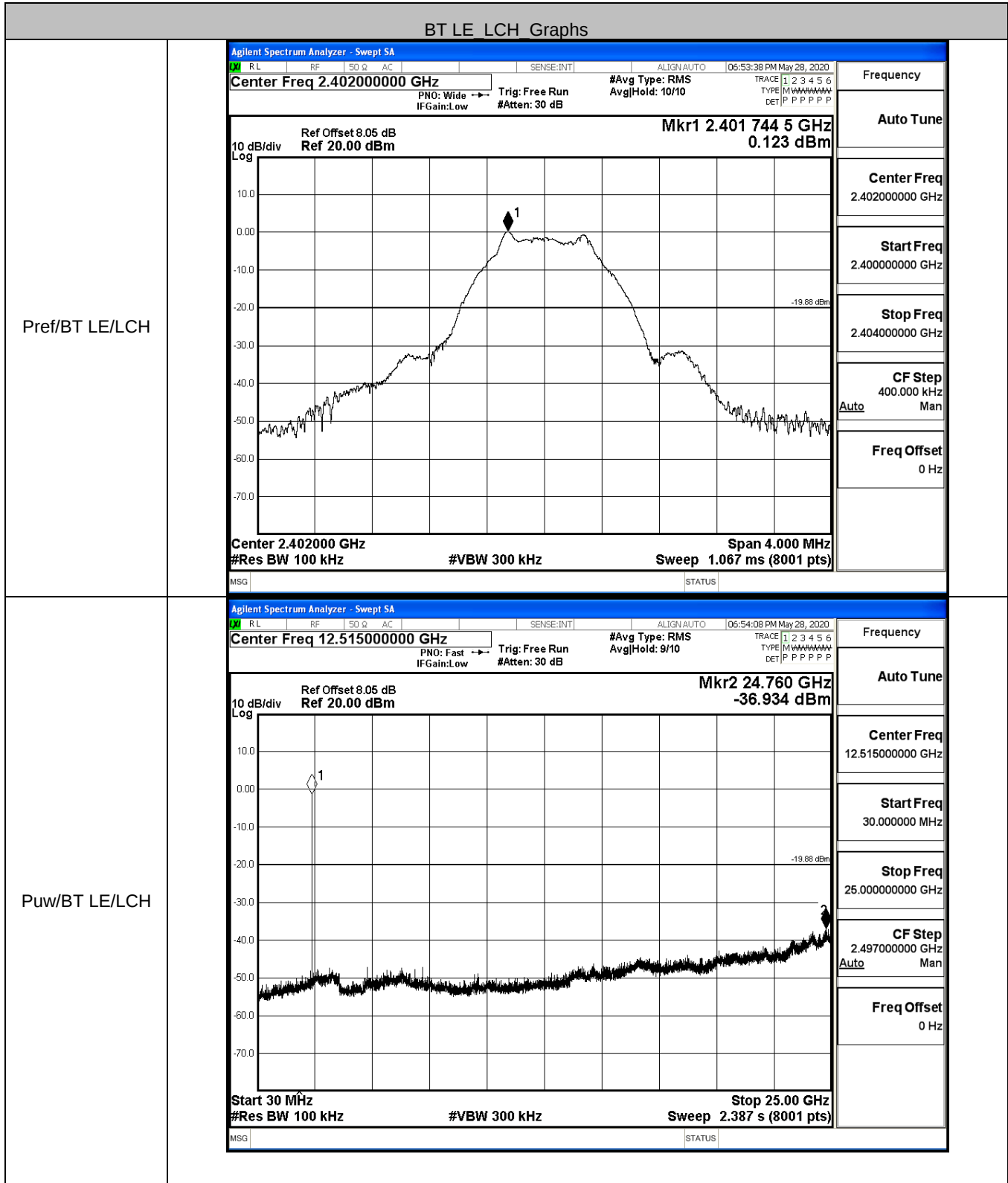


HCH



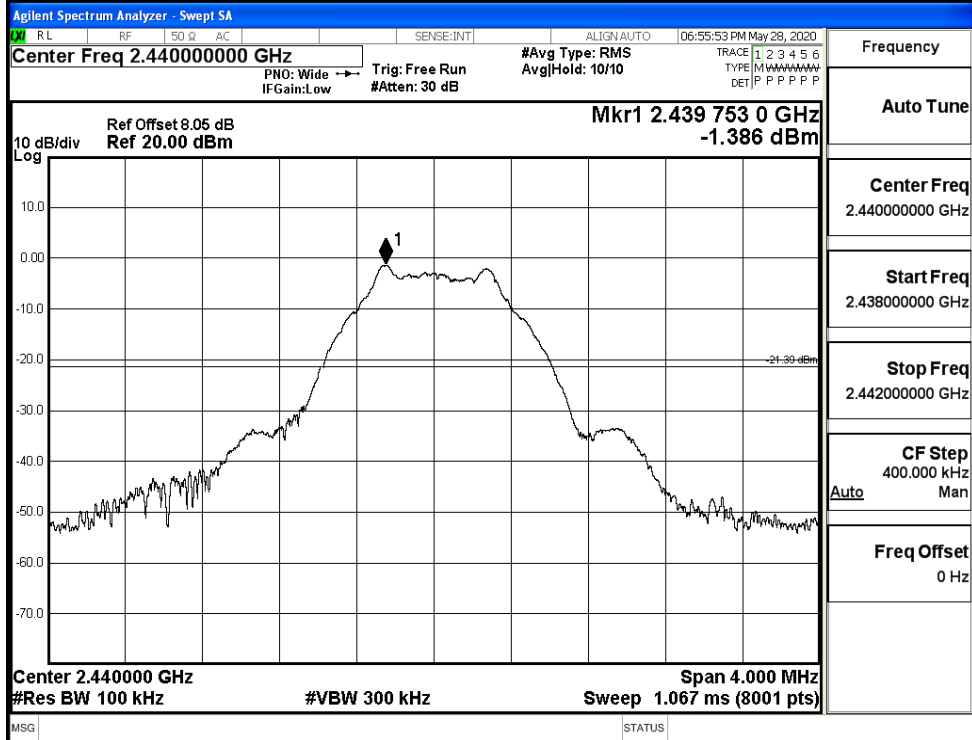
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.123	-36.934	-19.877	PASS
BT LE	MCH	-1.386	-36.902	-21.386	PASS
BT LE	HCH	-2.973	-37.253	-22.973	PASS

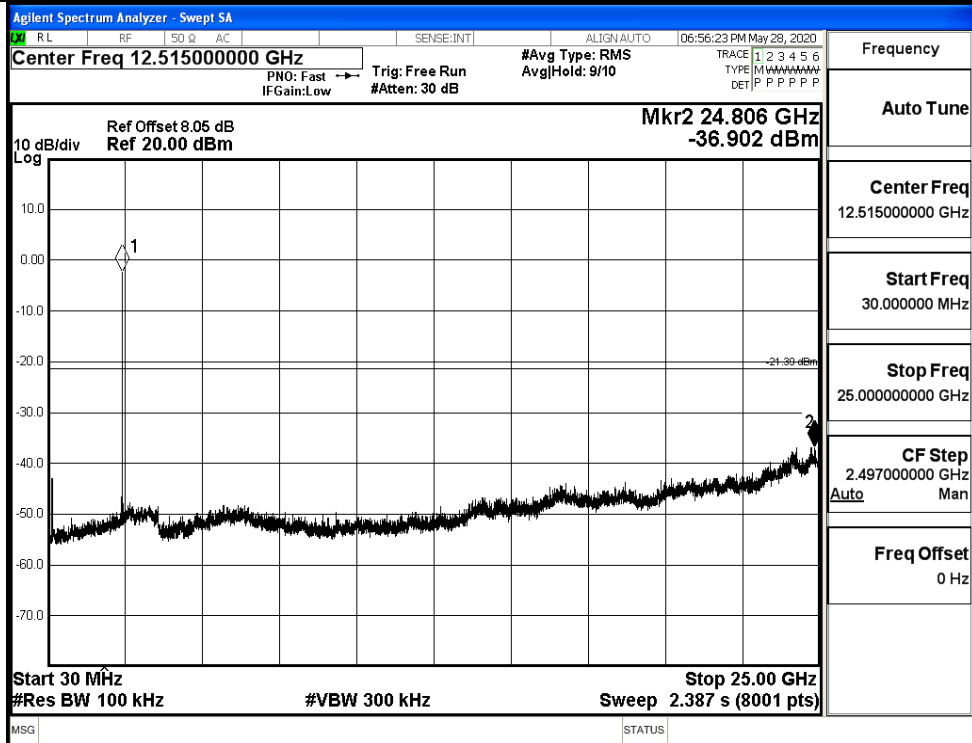


BT LE MCH Graphs

Pref/BT LE/MCH

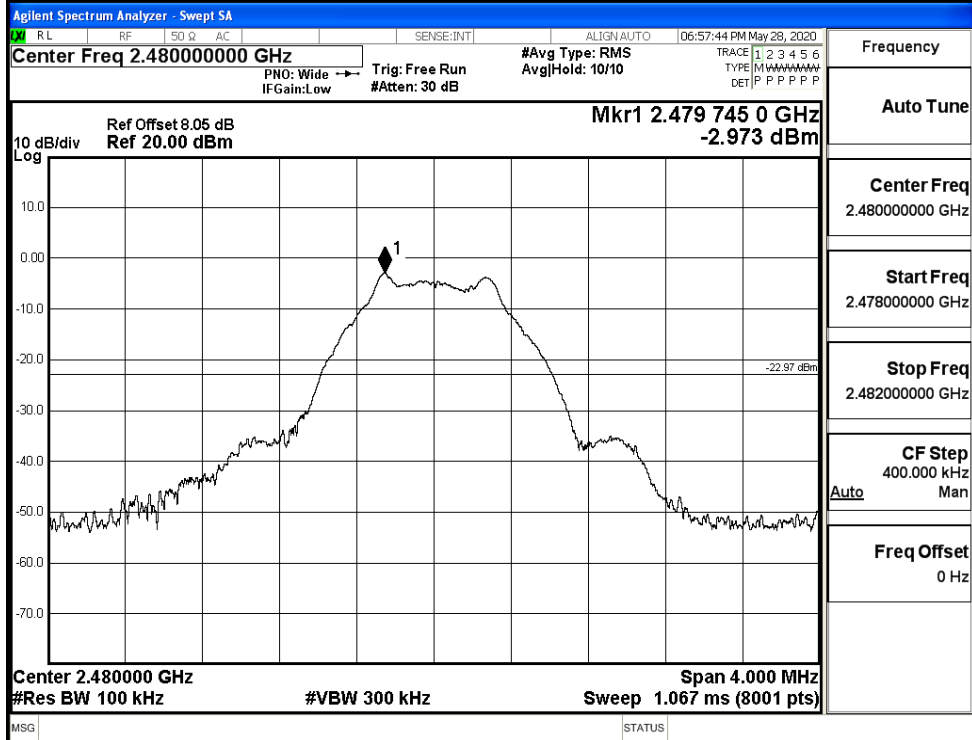


Puw/BT LE/MCH

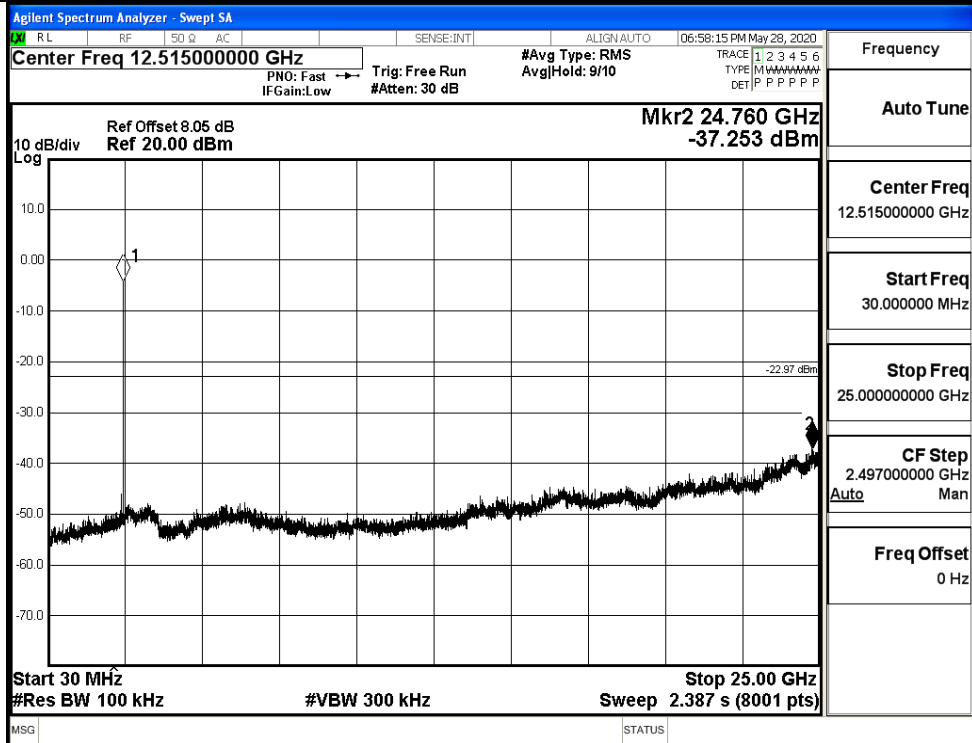


BT LE HCH Graphs

Pref/BT LE/HCH

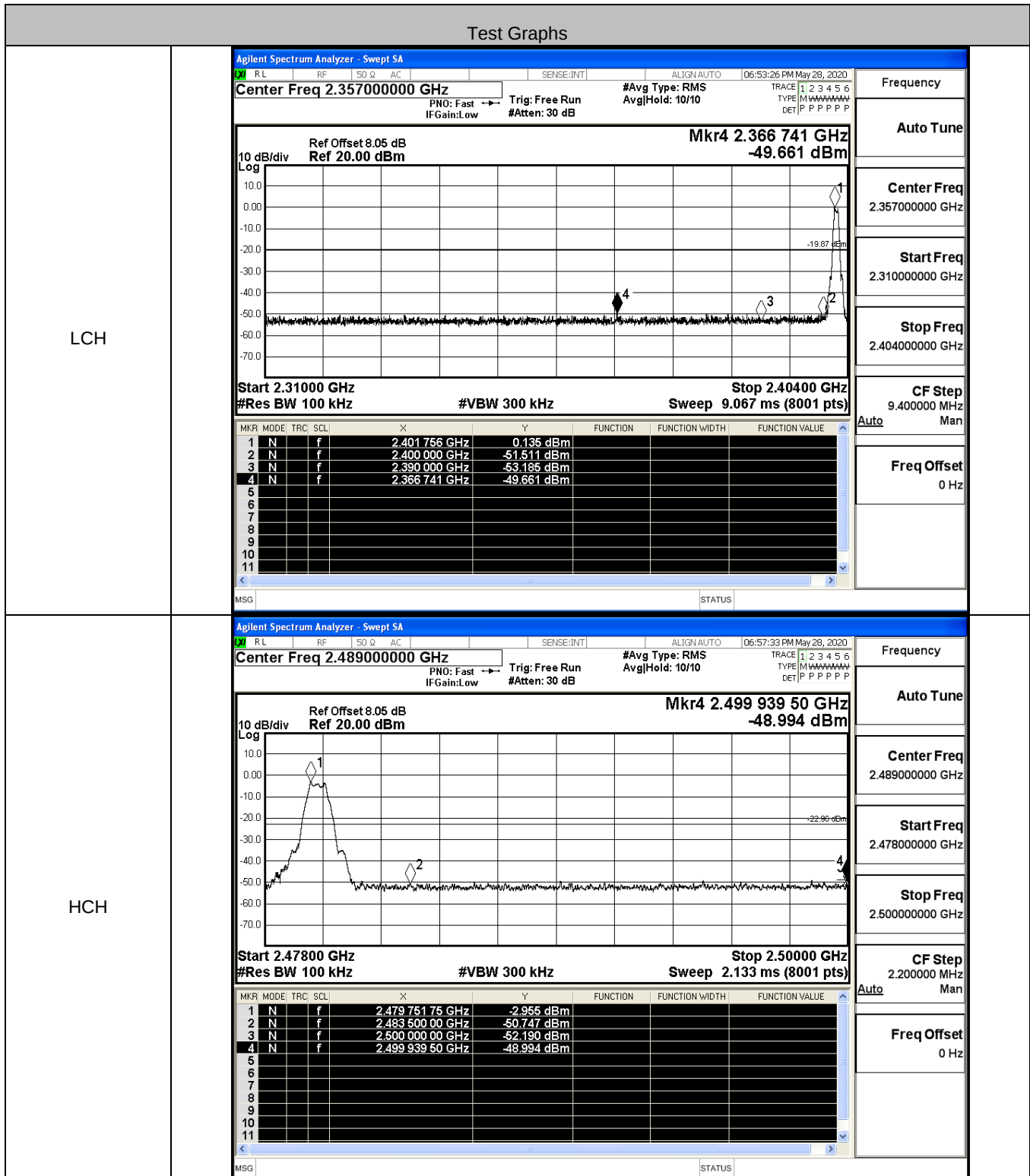


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

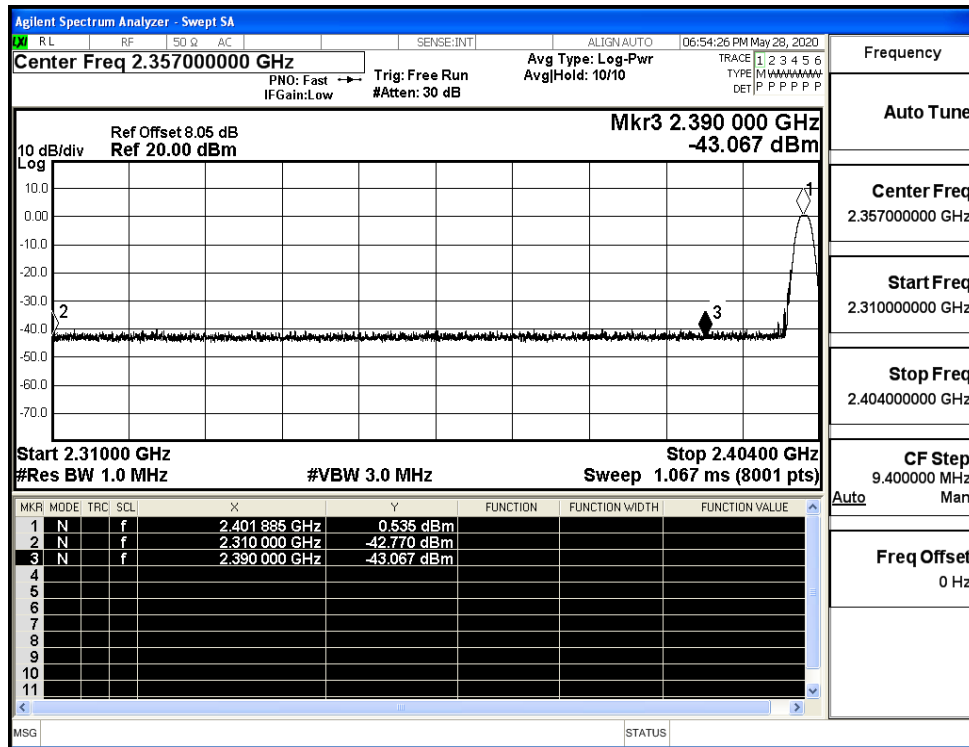
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.135	-49.661	-19.87	PASS
BT LE	HCH	-2.955	-48.994	-22.96	PASS



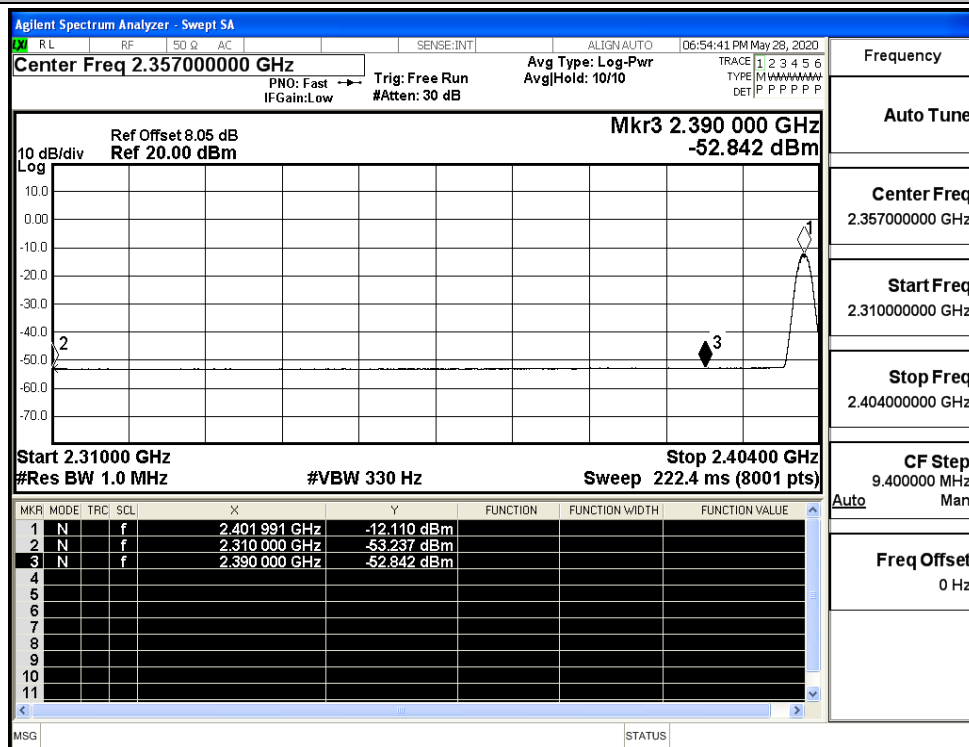
B.7 Restrict-band band-edge measurements

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	-42.77	2.0	0	54.46	PEAK	74	PASS
		Ant1	2310.0	-53.24	2.0	0	43.99	AV	54	PASS
		Ant1	2390.0	-43.07	2.0	0	54.16	PEAK	74	PASS
		Ant1	2390.0	-52.84	2.0	0	44.39	AV	54	PASS
	2480	Ant1	2483.5	-42.40	2.0	0	54.83	PEAK	74	PASS
		Ant1	2483.5	-52.35	2.0	0	44.88	AV	54	PASS
		Ant1	2500.0	-42.76	2.0	0	54.47	PEAK	74	PASS
		Ant1	2500.0	-52.24	2.0	0	44.99	AV	54	PASS

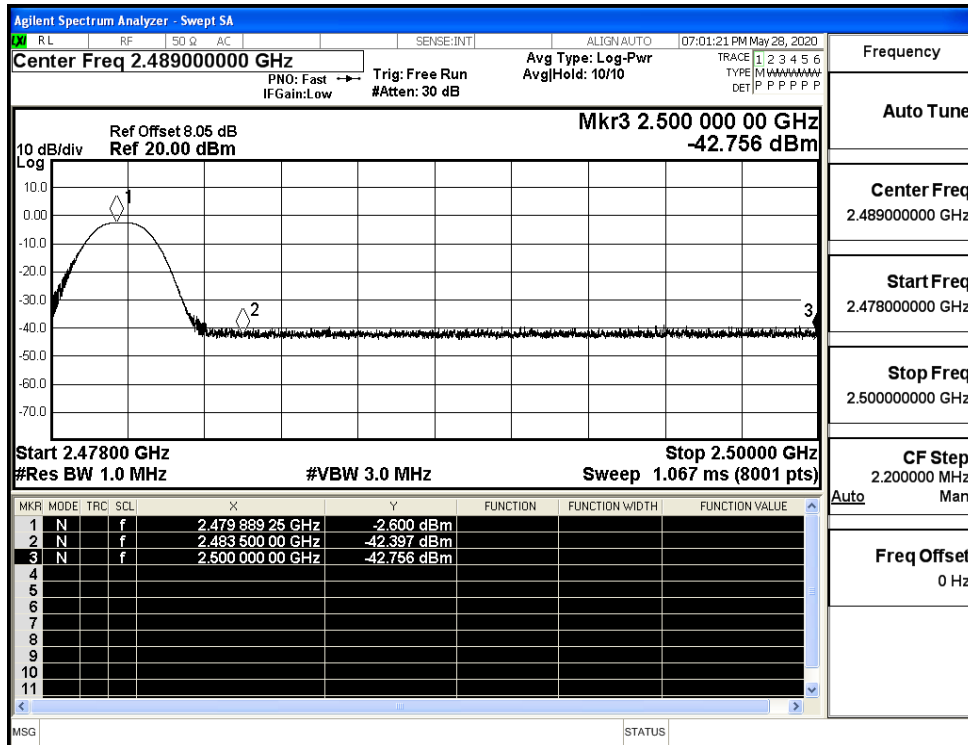
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

