

Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: Hand Cleansing Facial Scan Kiosk

Trade Mark: N/A

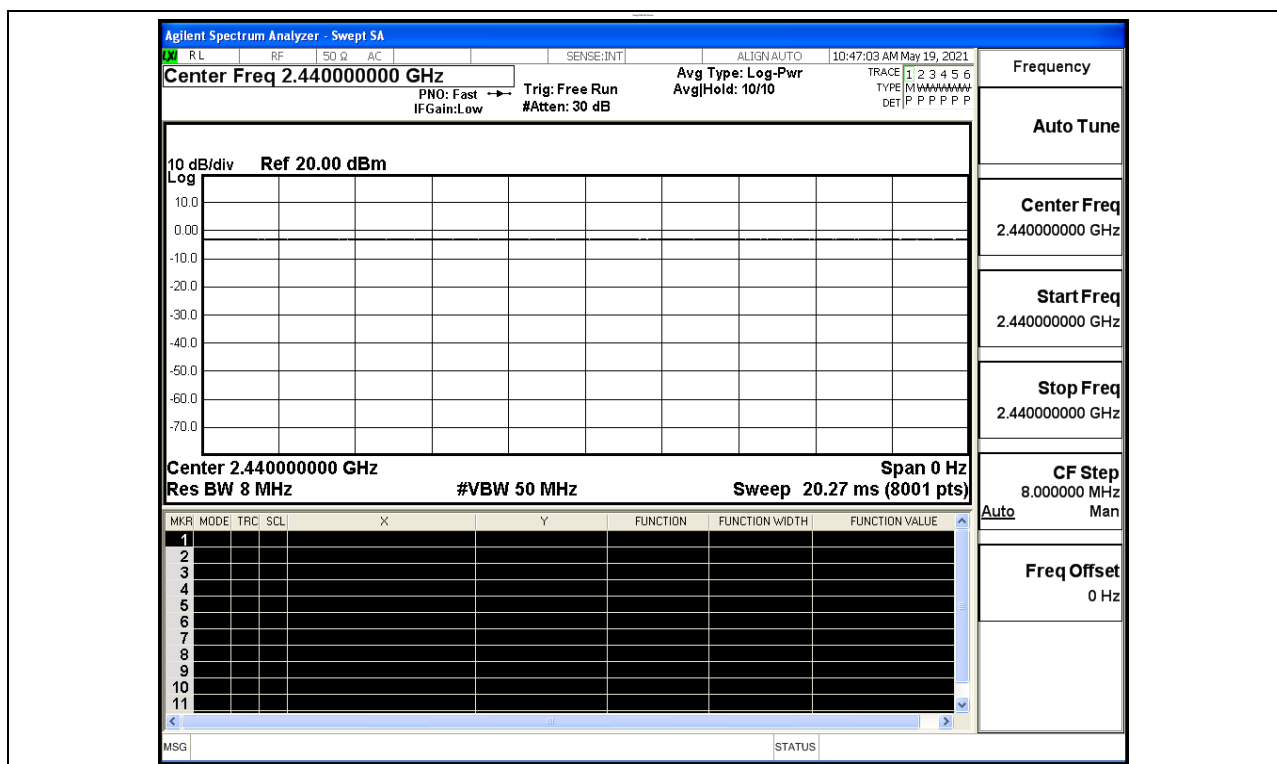
Test Model: LKS-TM001XA

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

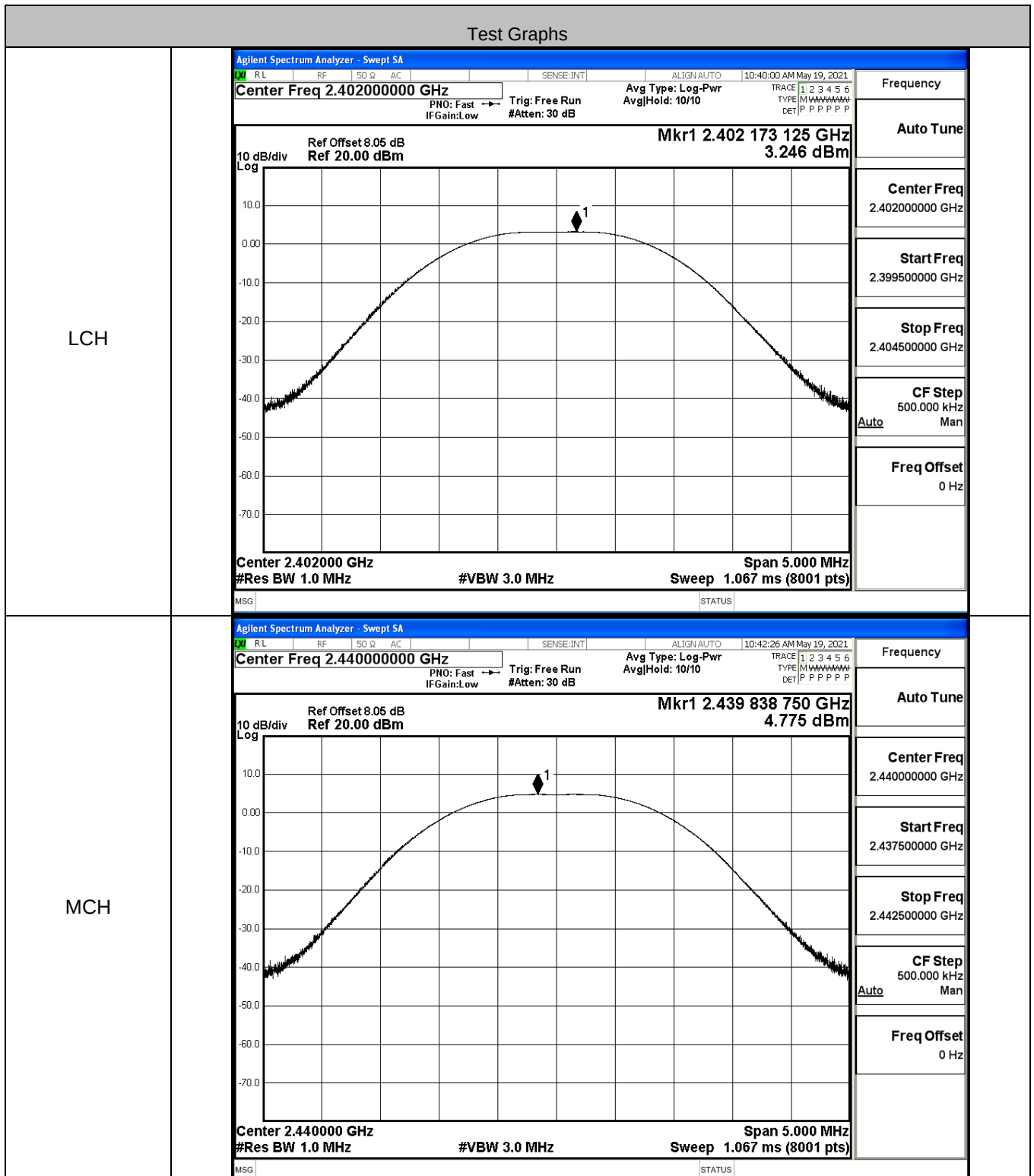
B.1 Duty Cycle

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

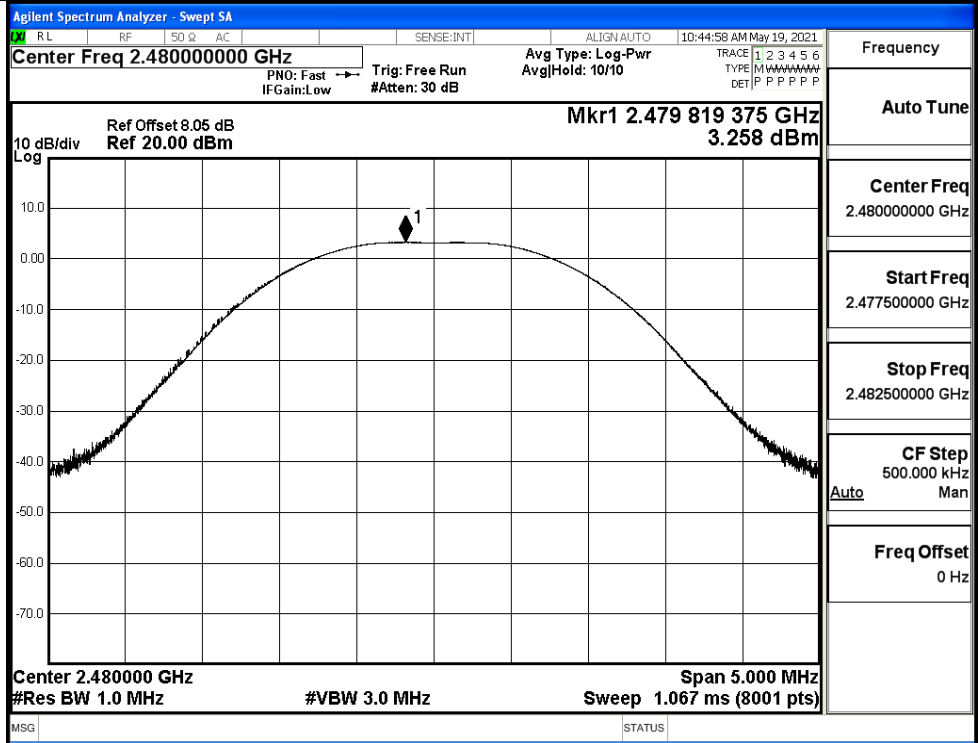


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	3.246	21	PASS
BT LE	MCH	4.775	21	PASS
BT LE	HCH	3.258	21	PASS

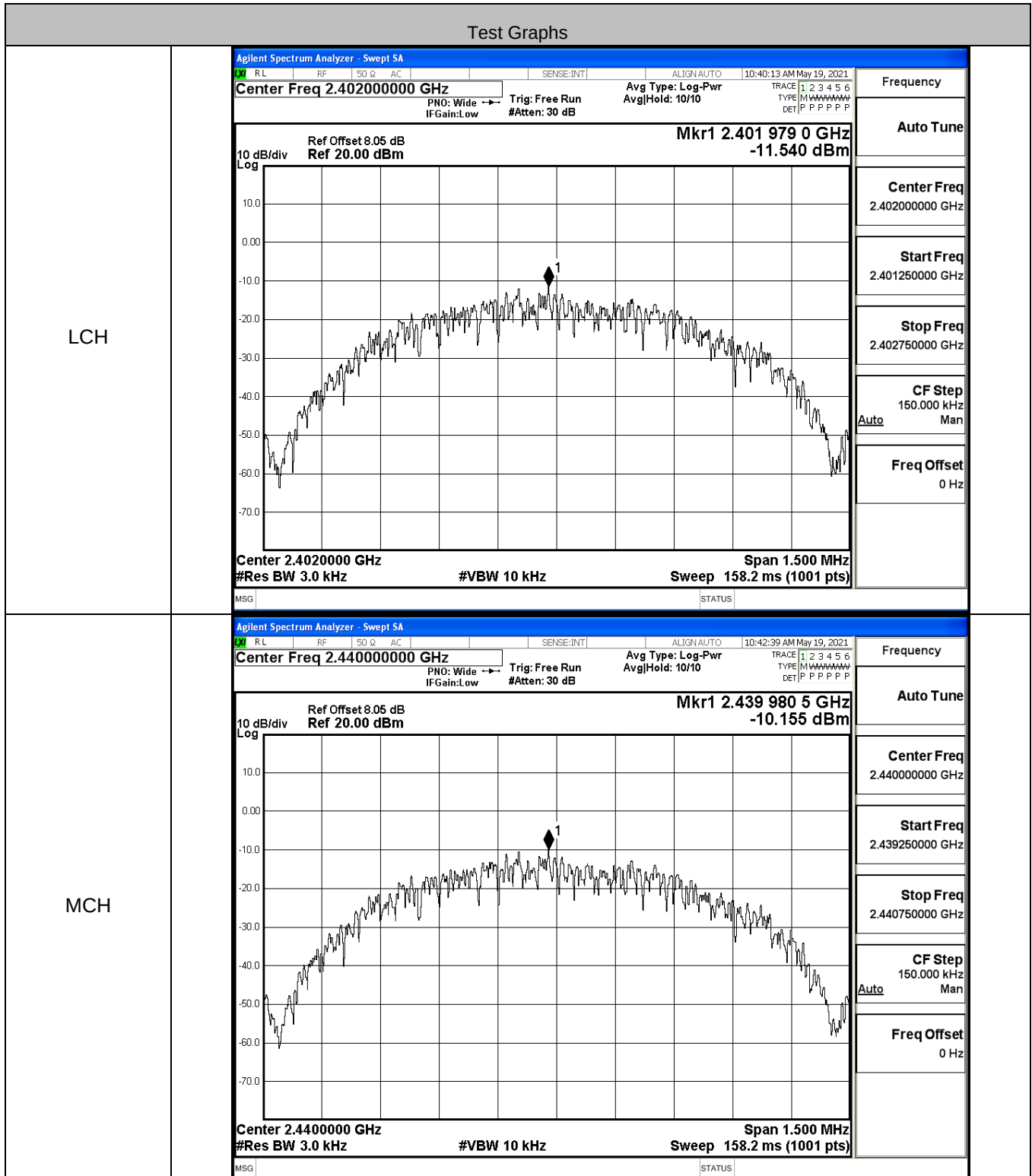


HCH

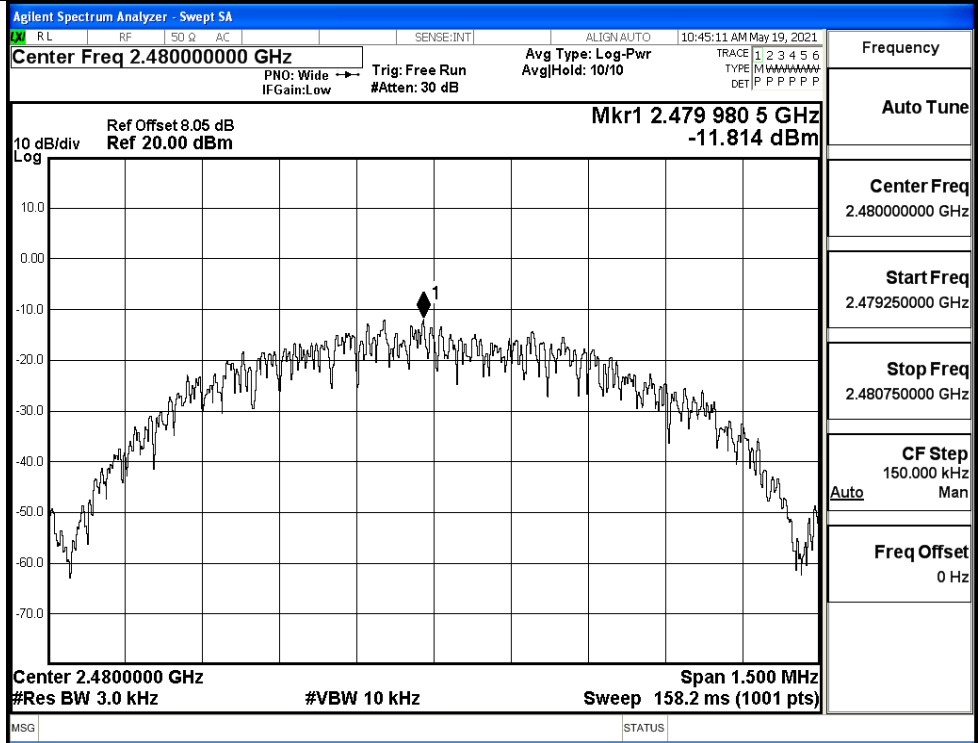


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-11.540	8	PASS
BT LE	MCH	-10.155	8	PASS
BT LE	HCH	-11.814	8	PASS

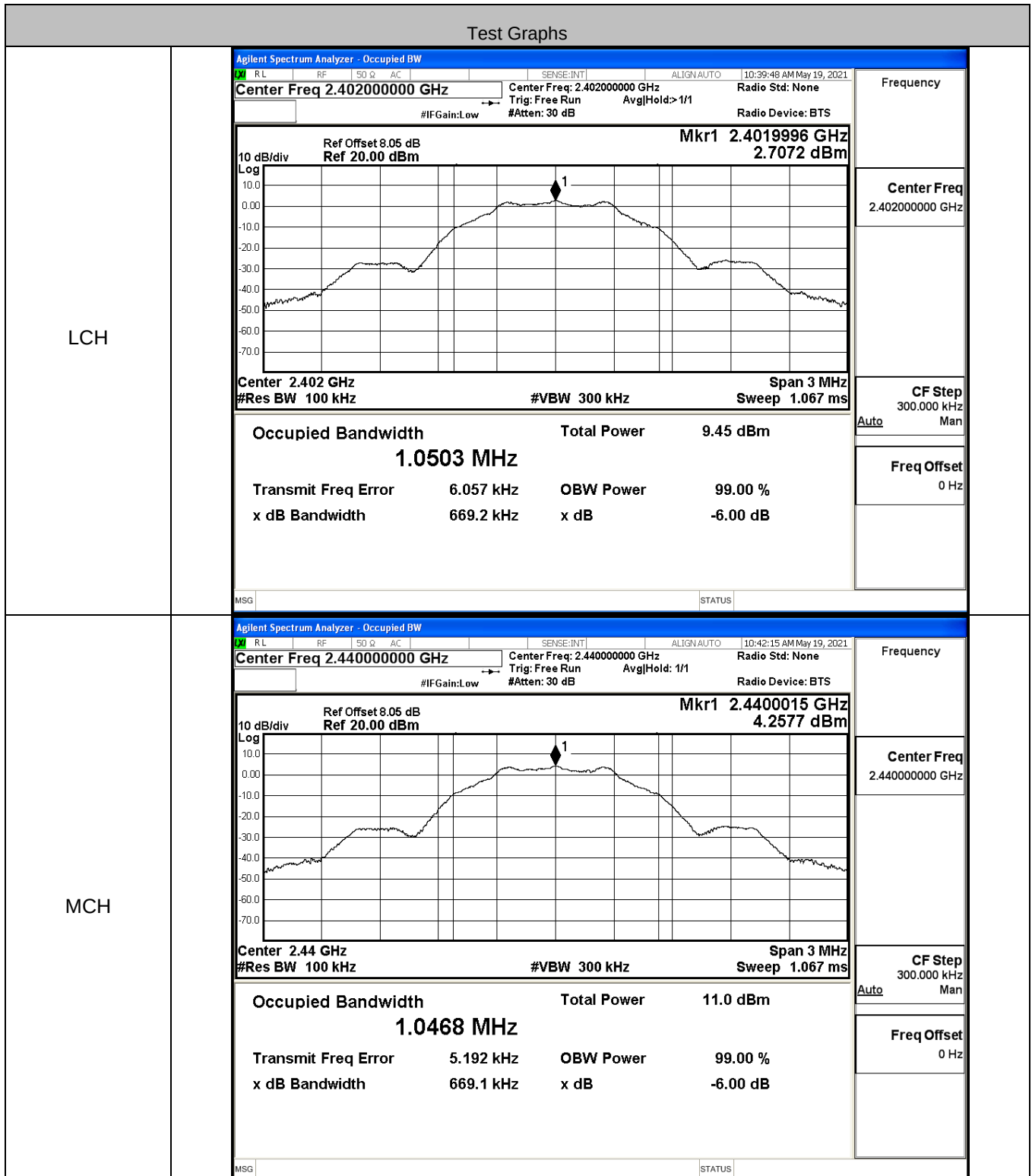


HCH

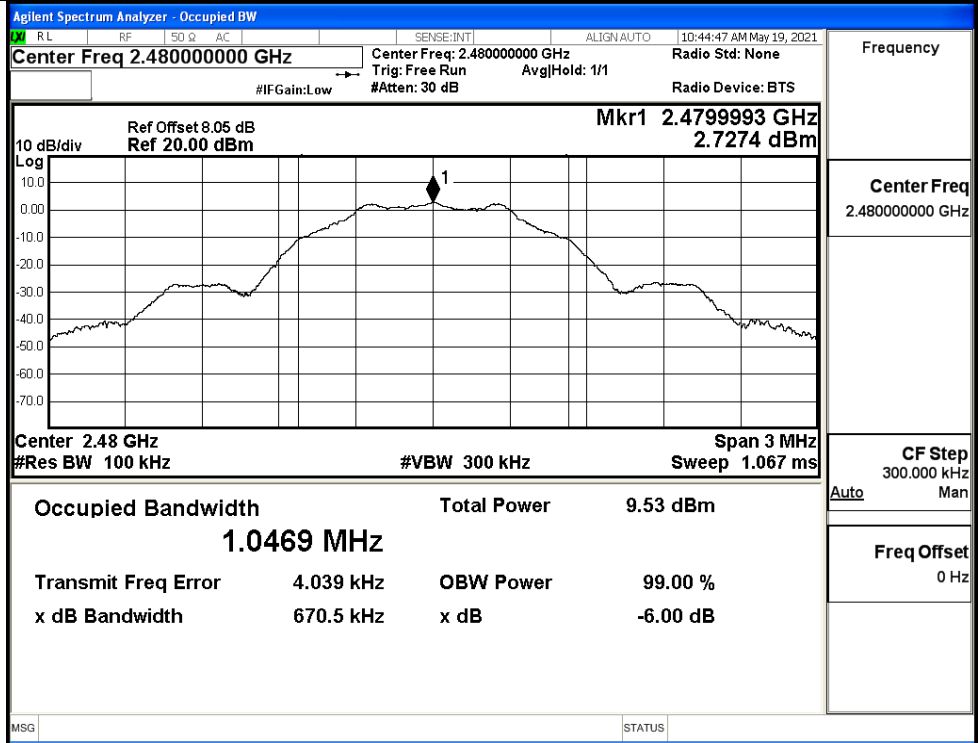


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6692	≥ 0.5	PASS
BT LE	MCH	0.6691	≥ 0.5	PASS
BT LE	HCH	0.6705	≥ 0.5	PASS

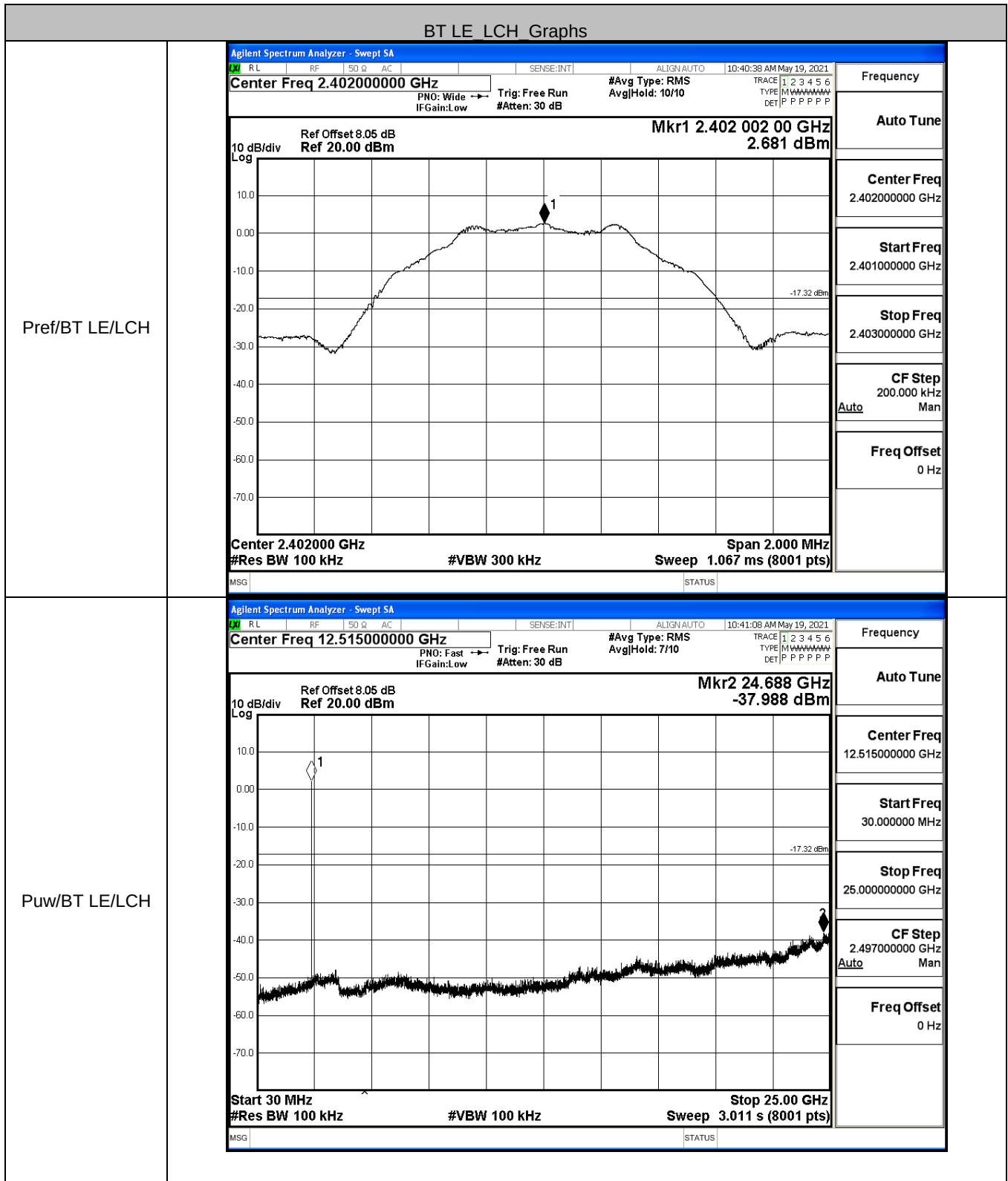


HCH



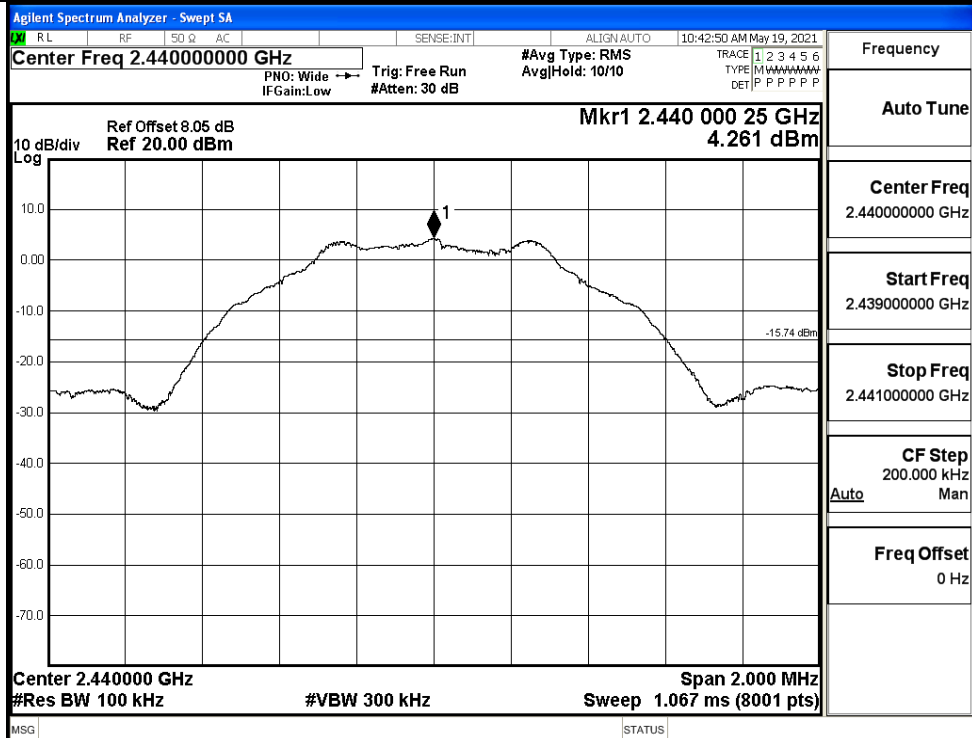
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.681	-37.988	-17.319	PASS
BT LE	MCH	4.261	-37.865	-15.739	PASS
BT LE	HCH	2.749	-37.672	-17.251	PASS

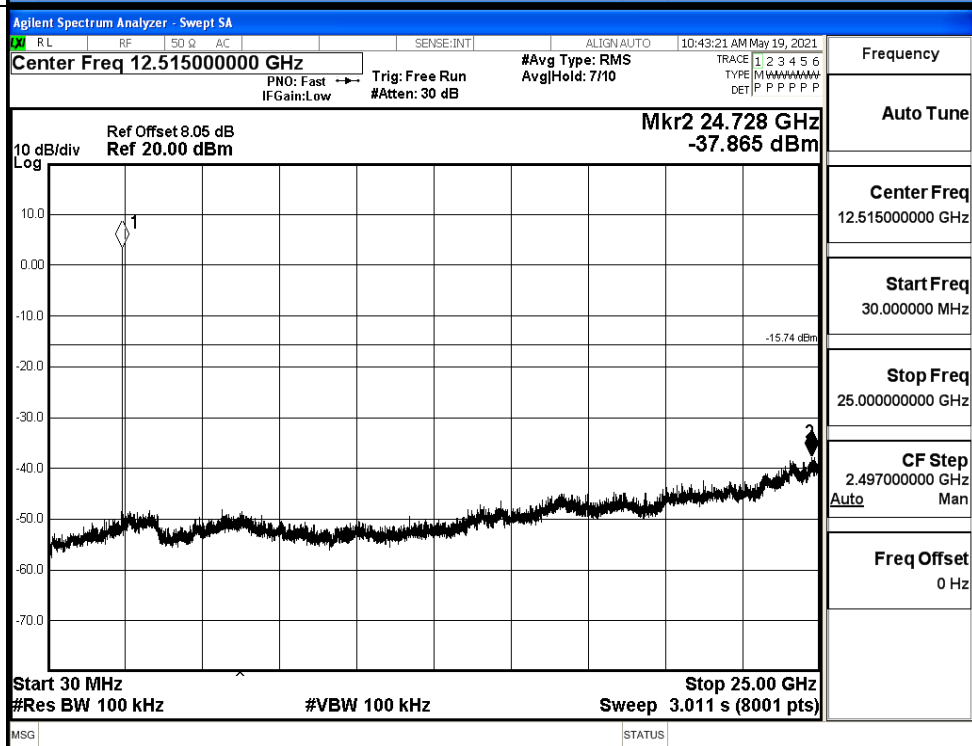


BT LE MCH Graphs

Pref/BT LE/MCH

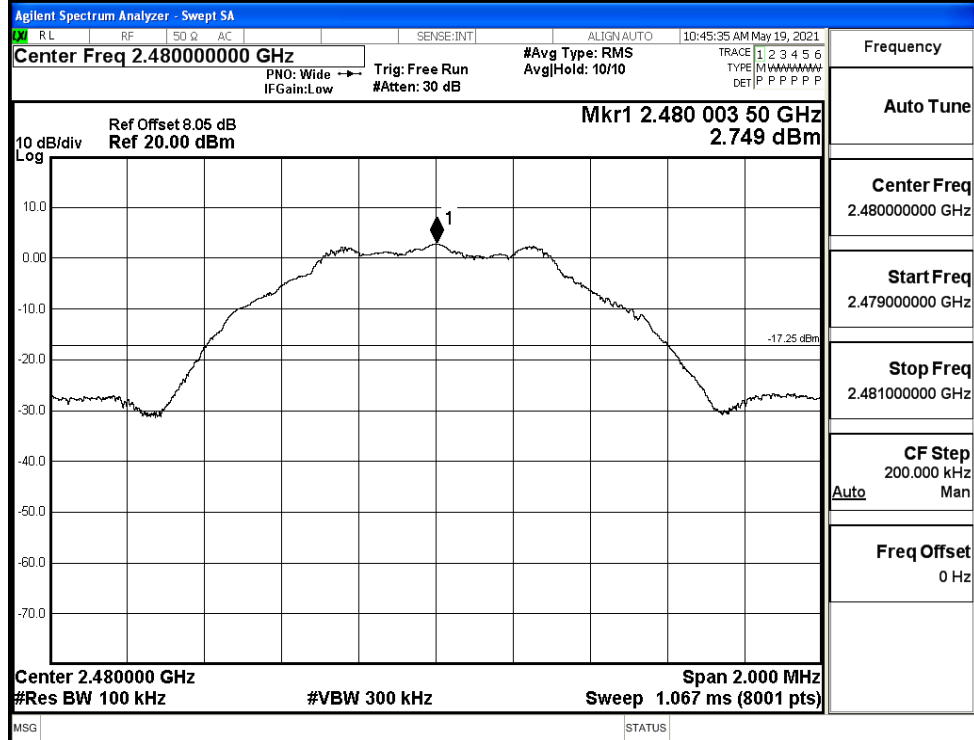


Puw/BT LE/MCH

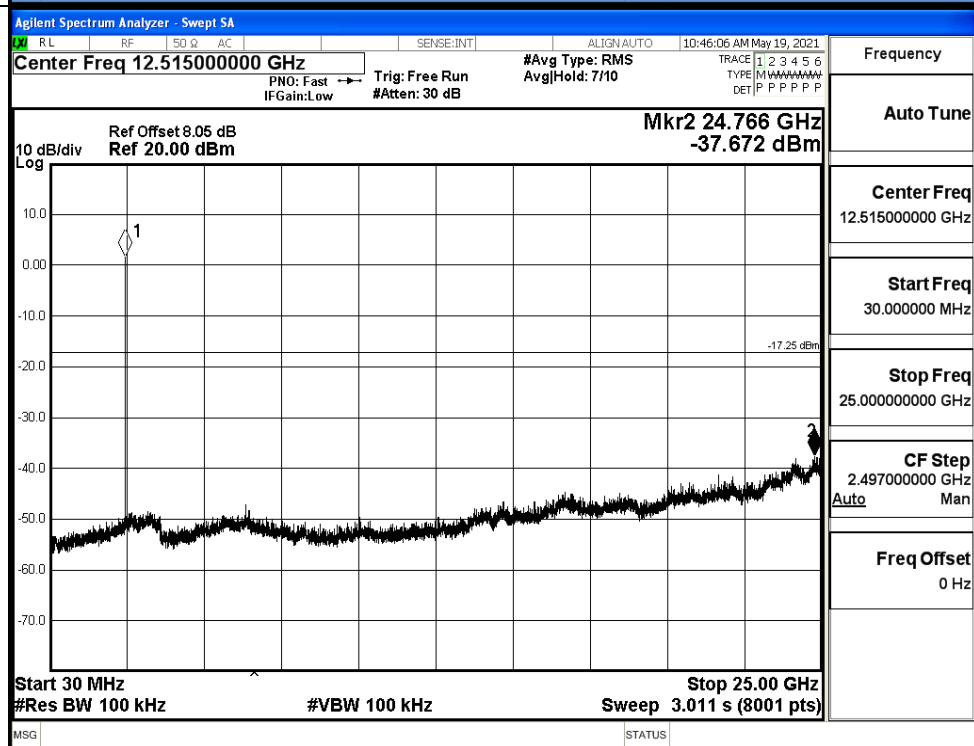


BT LE HCH Graphs

Pref/BT LE/HCH

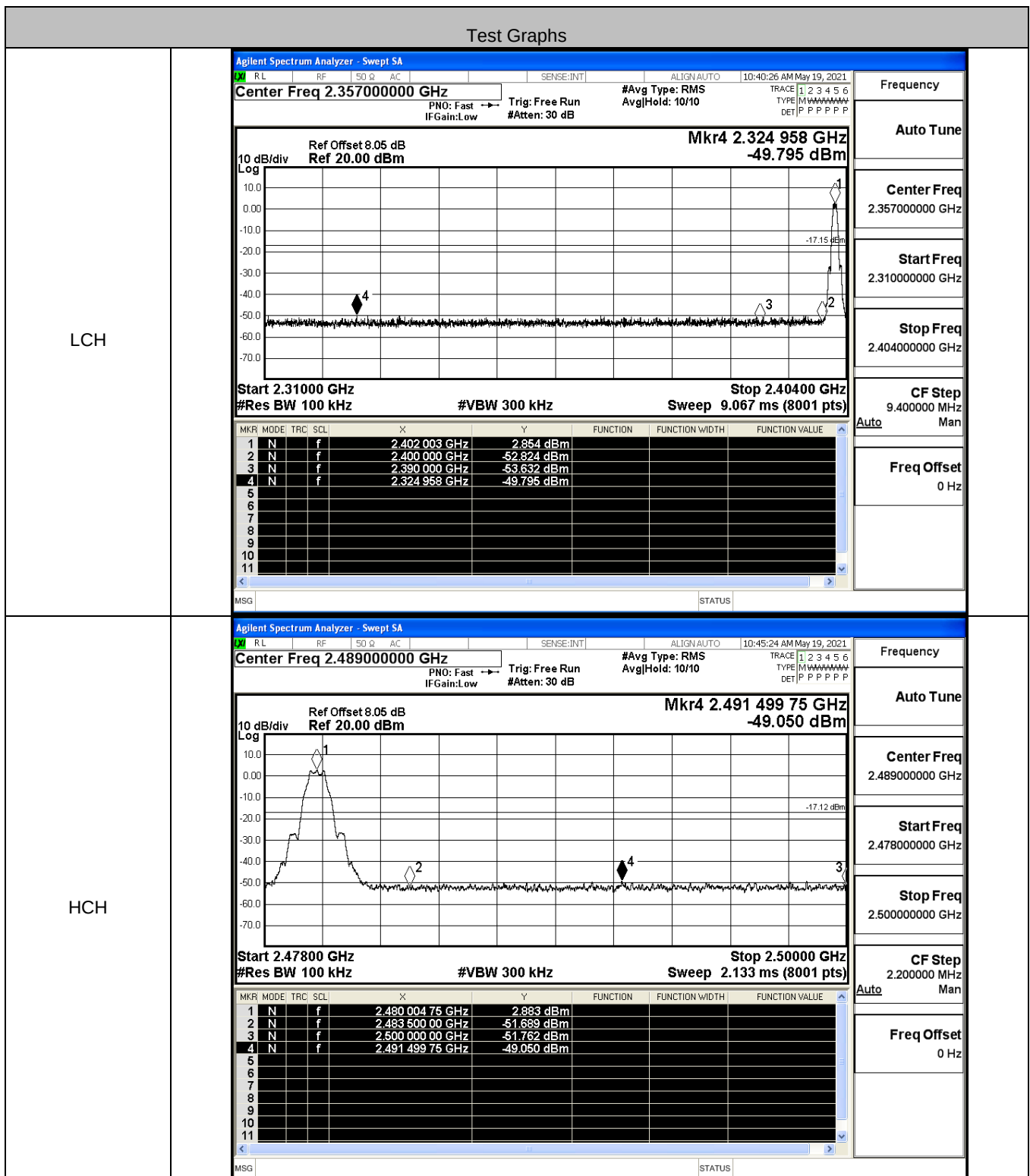


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

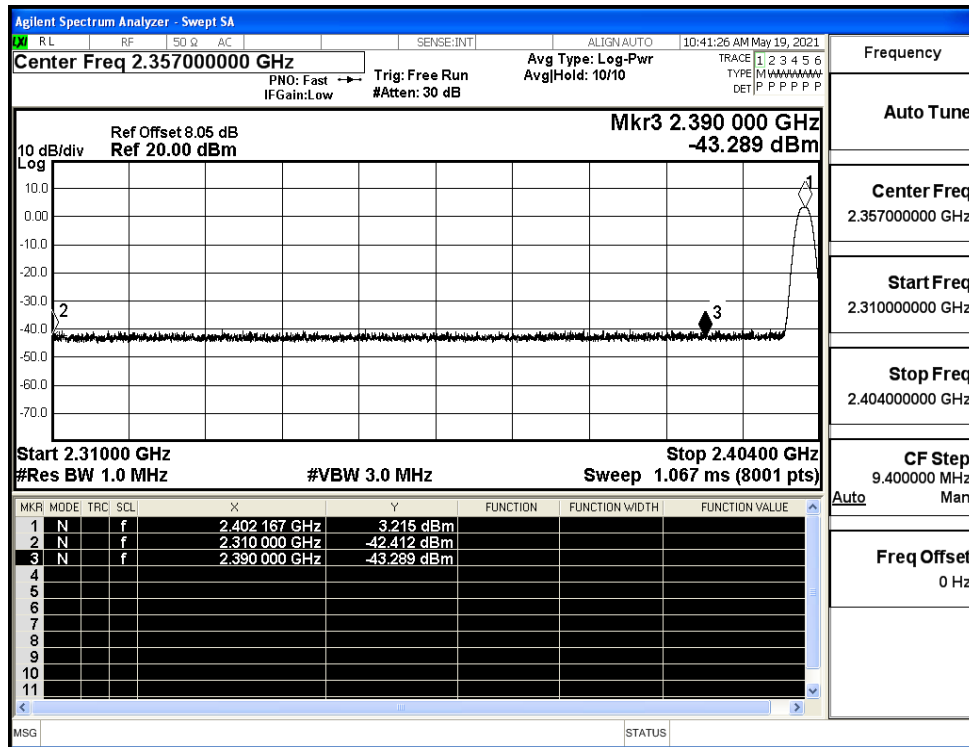
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.854	-49.795	-17.15	PASS
BT LE	HCH	2.883	-49.050	-17.12	PASS



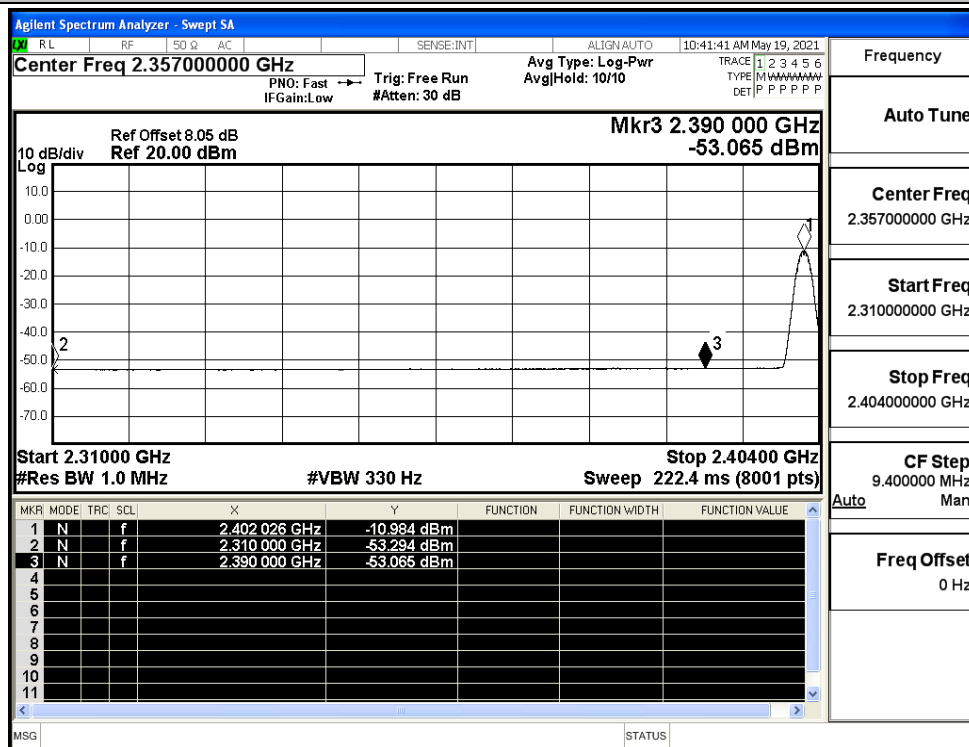
B.7 Restrict-band band-edge measurements

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	-42.41	2.0	0	54.82	PEAK	74	PASS
		Ant1	2310.0	-53.29	2.0	0	43.94	AV	54	PASS
		Ant1	2390.0	-43.29	2.0	0	53.94	PEAK	74	PASS
		Ant1	2390.0	-53.07	2.0	0	44.16	AV	54	PASS
	2480	Ant1	2483.5	-42.29	2.0	0	54.94	PEAK	74	PASS
		Ant1	2483.5	-52.51	2.0	0	44.72	AV	54	PASS
		Ant1	2500.0	-42.27	2.0	0	54.96	PEAK	74	PASS
		Ant1	2500.0	-52.14	2.0	0	45.09	AV	54	PASS

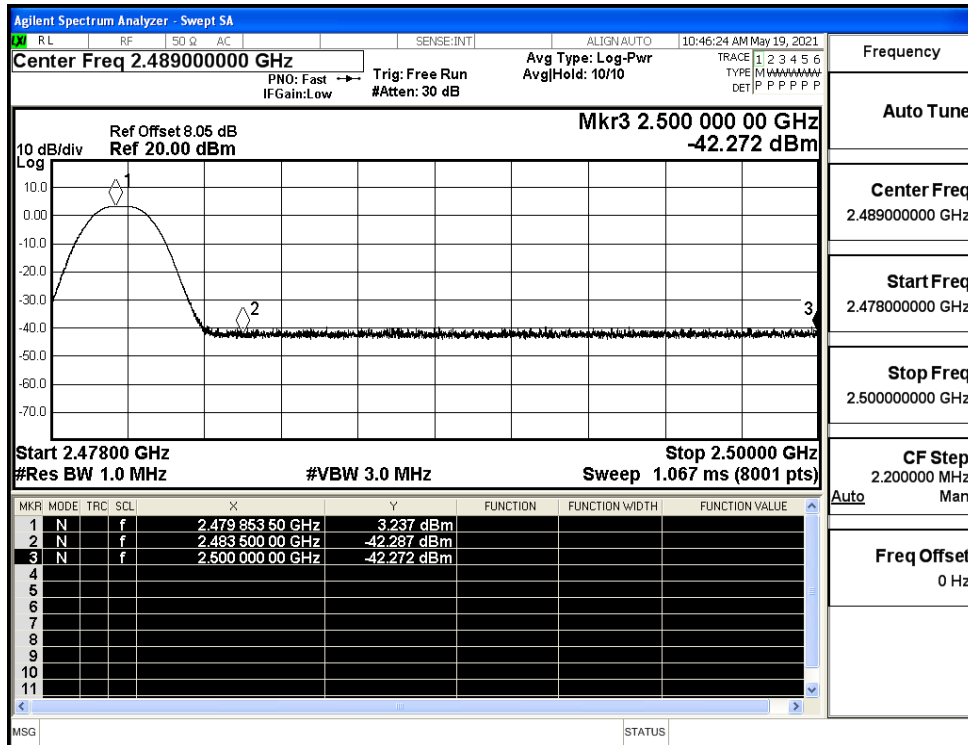
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

