

Appendix B

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

Product Name: HyBook

Trade Mark: HYUNDAI

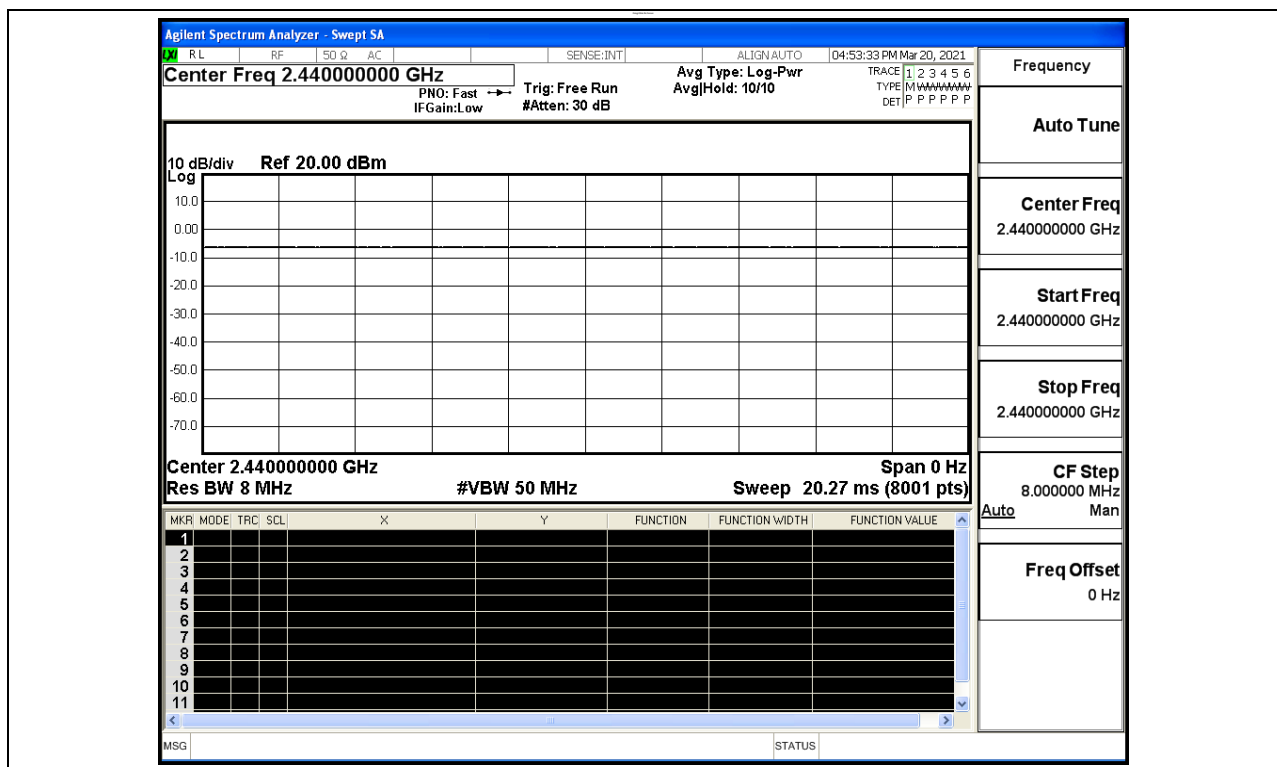
Test Model: HT14CCIC45SS

Environmental Conditions

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

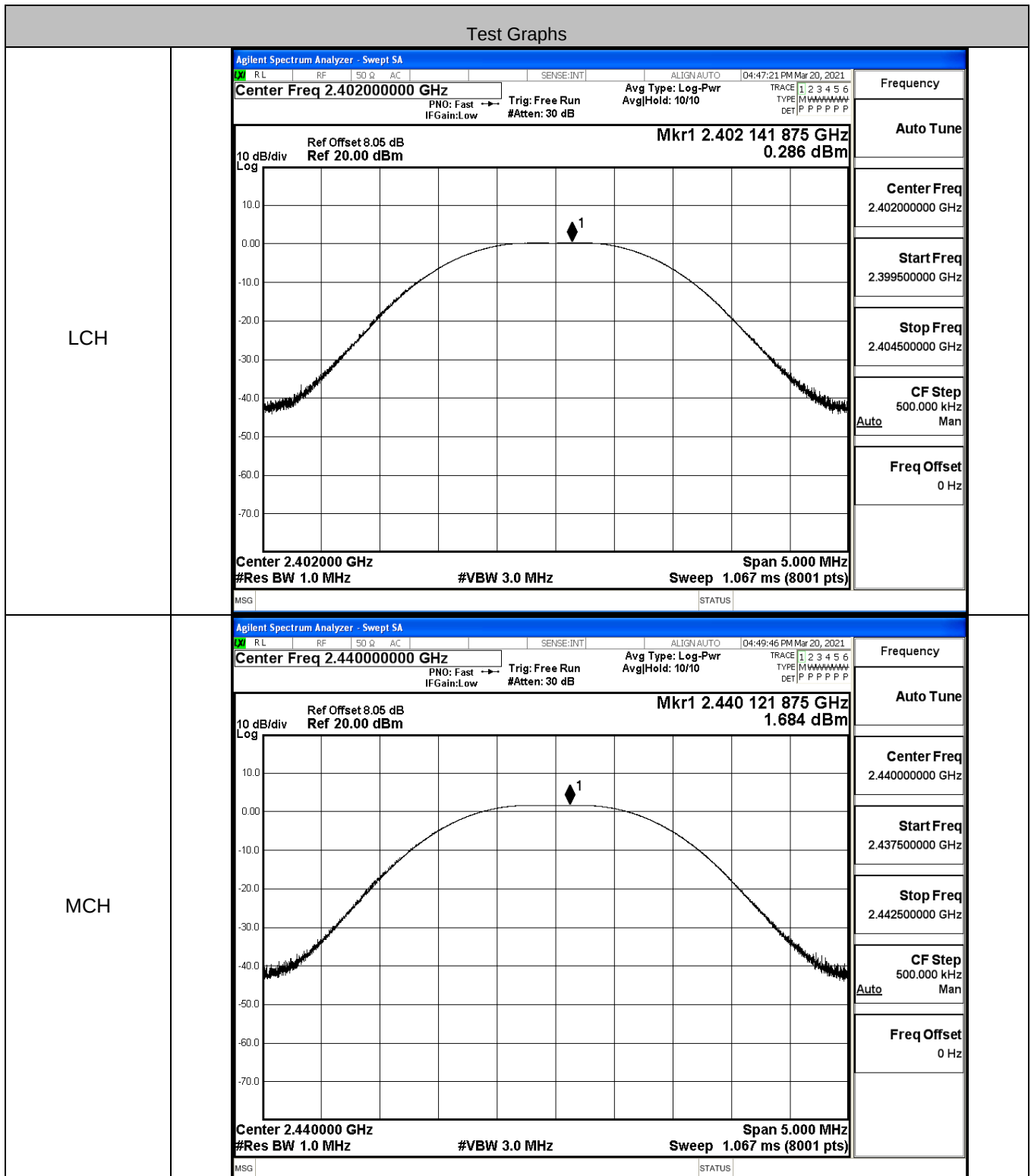
B.1 Duty Cycle

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

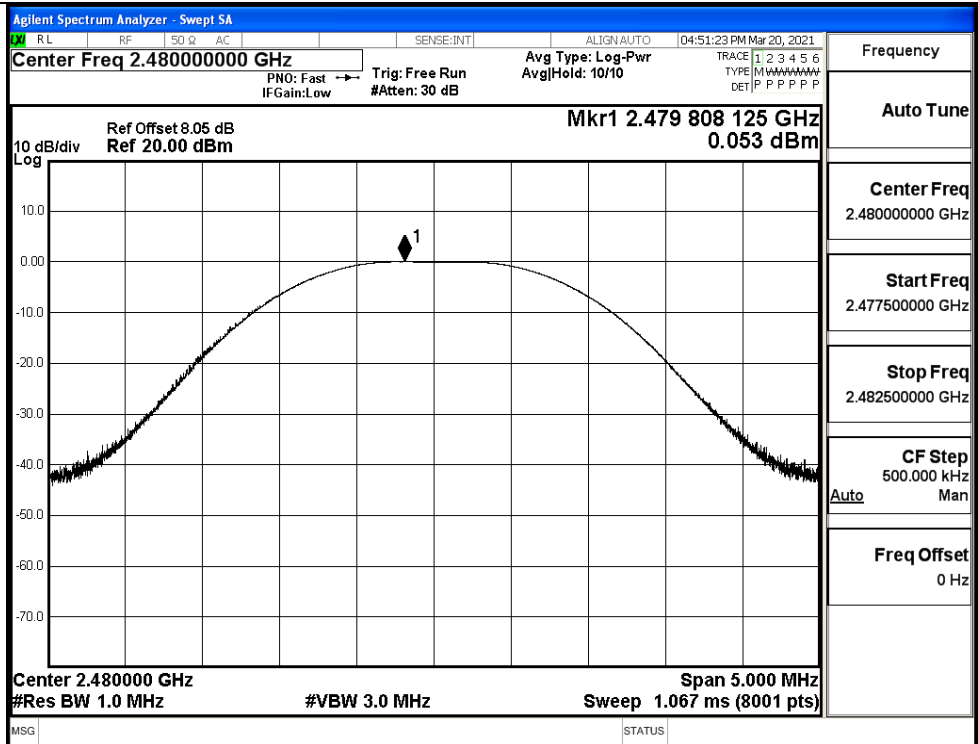


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.286	30	PASS
BT LE	MCH	1.684	30	PASS
BT LE	HCH	0.053	30	PASS

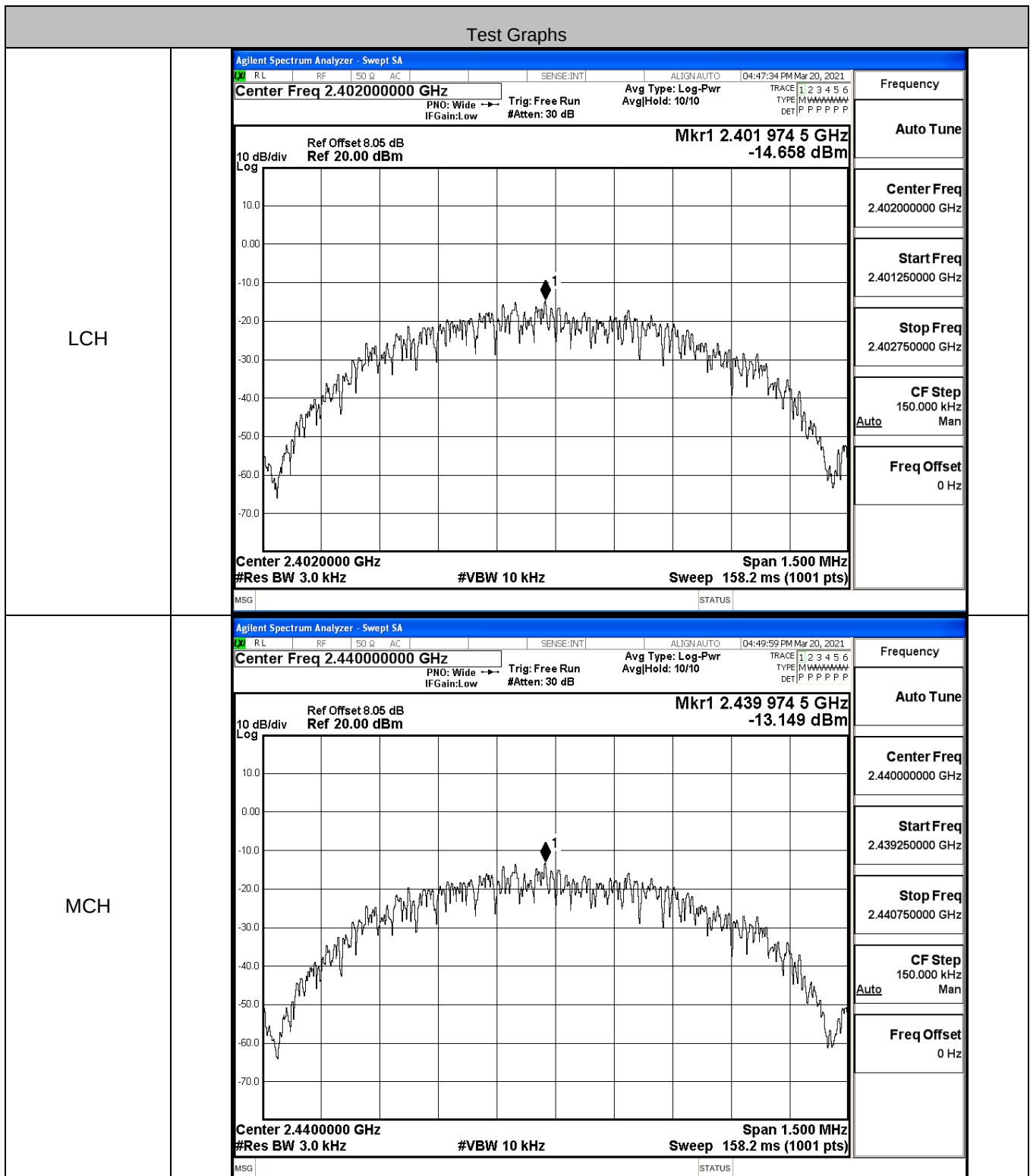


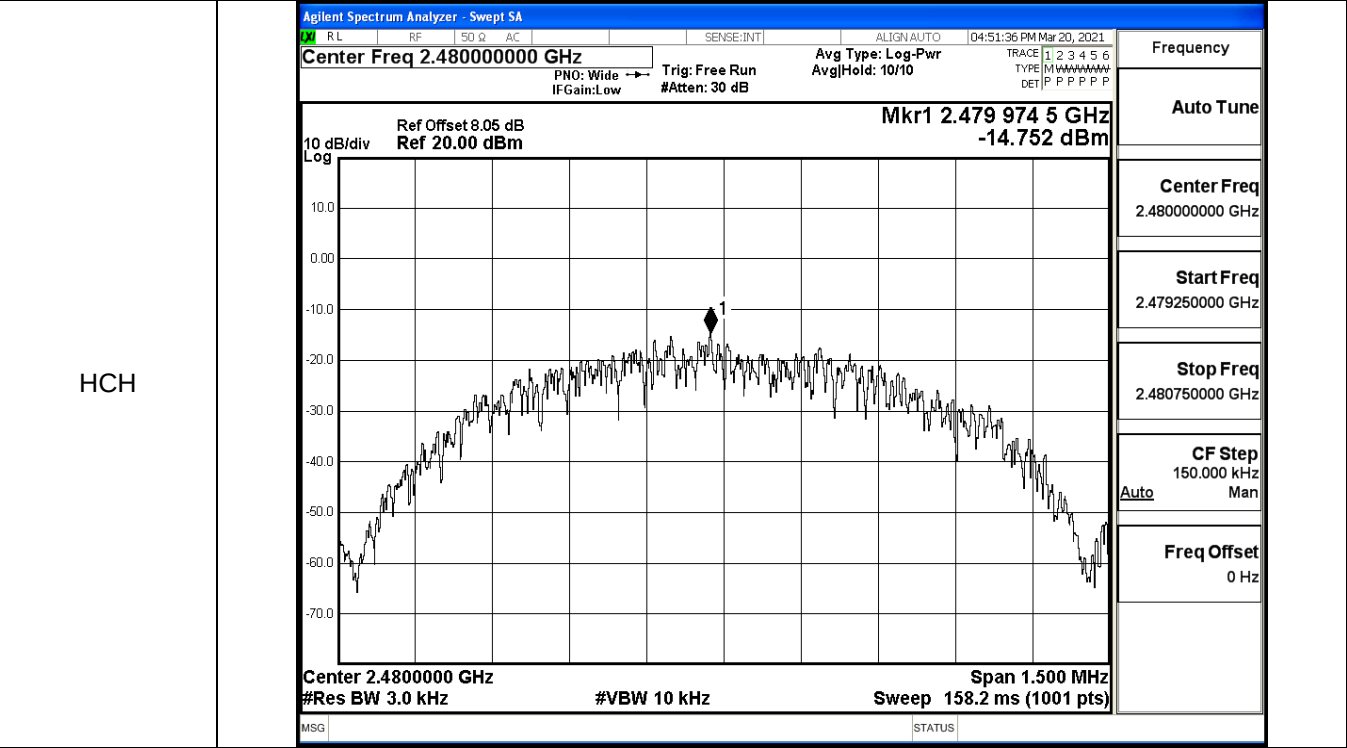
HCH



B.3 Maximum Power Spectral Density

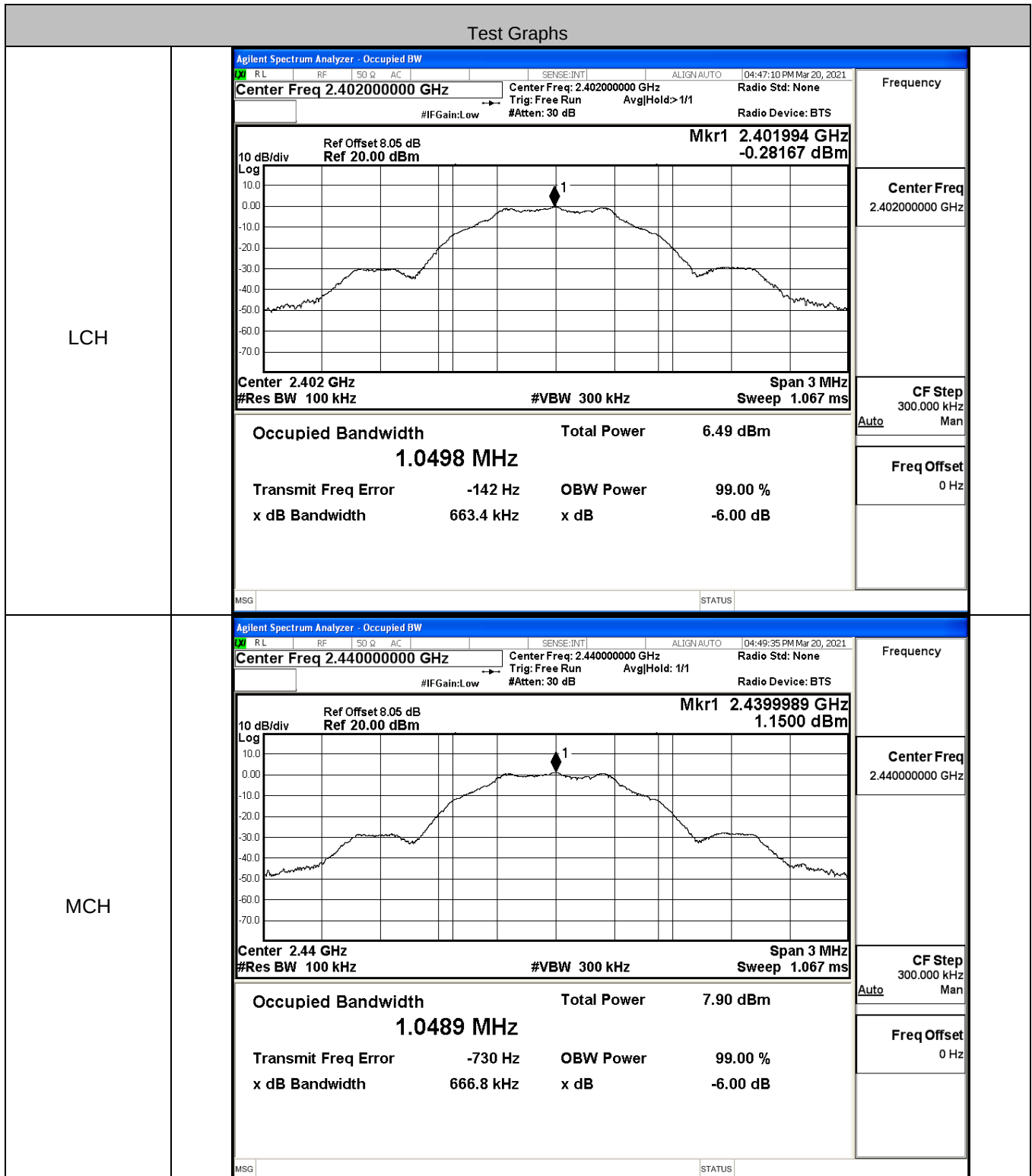
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.658	8	PASS
BT LE	MCH	-13.149	8	PASS
BT LE	HCH	-14.752	8	PASS



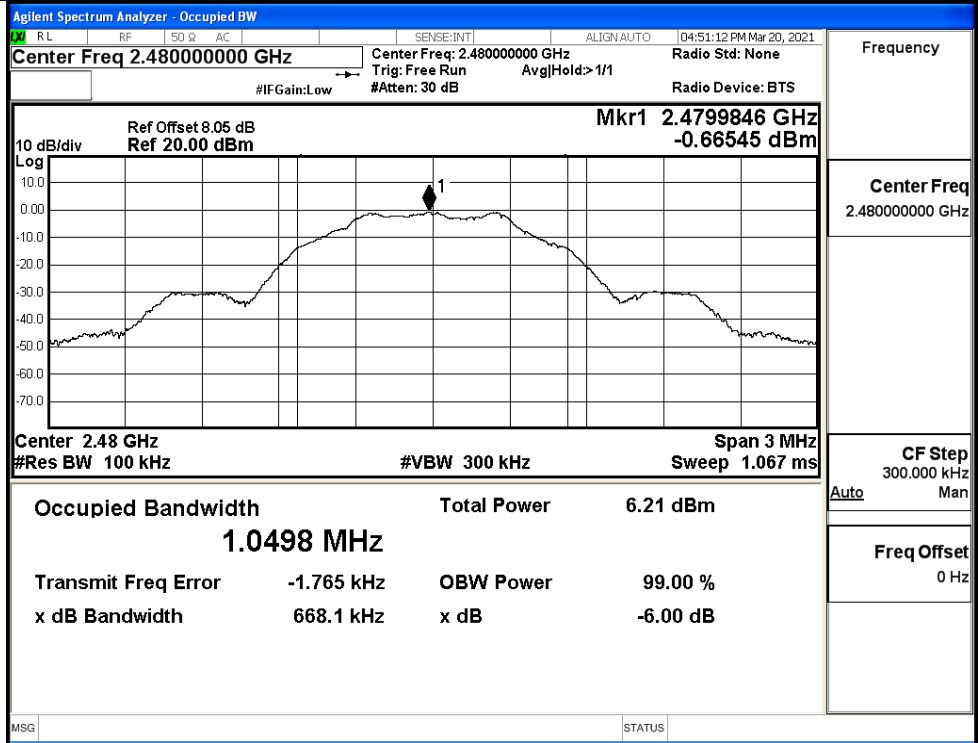


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6634	≥ 0.5	PASS
BT LE	MCH	0.6668	≥ 0.5	PASS
BT LE	HCH	0.6681	≥ 0.5	PASS

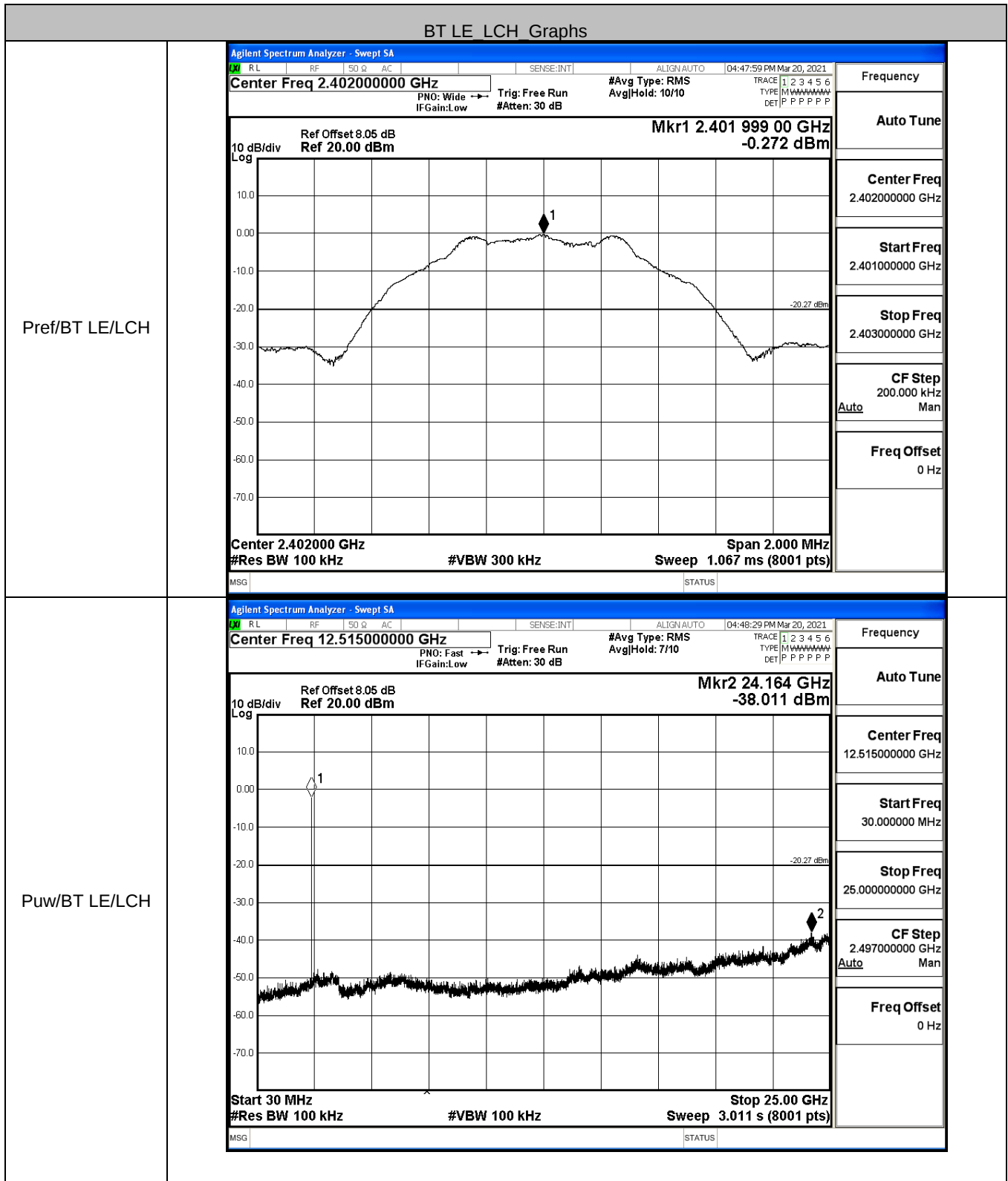


HCH



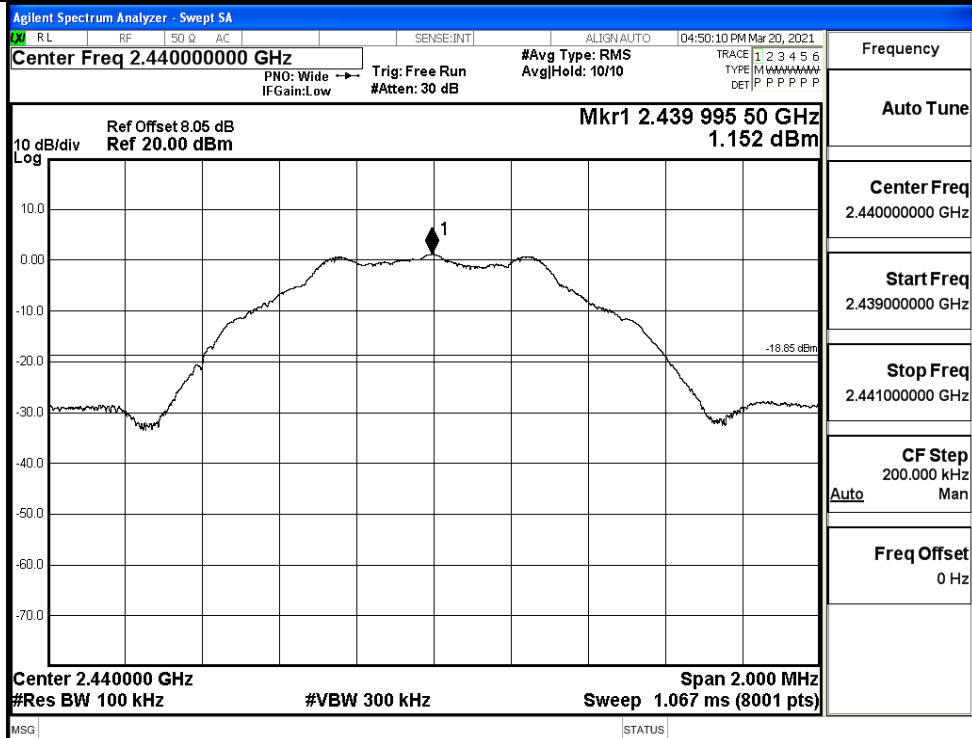
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.272	-38.011	-20.272	PASS
BT LE	MCH	1.152	-37.282	-18.848	PASS
BT LE	HCH	-0.485	-36.881	-20.485	PASS



BT LE MCH Graphs

Pref/BT LE/MCH

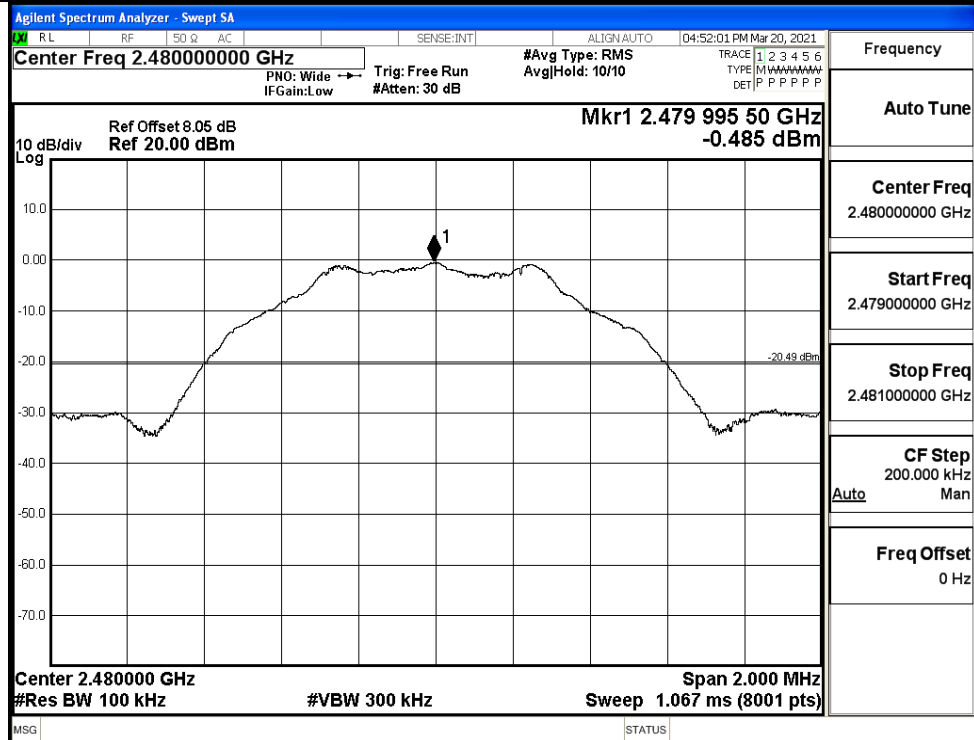


Puw/BT LE/MCH

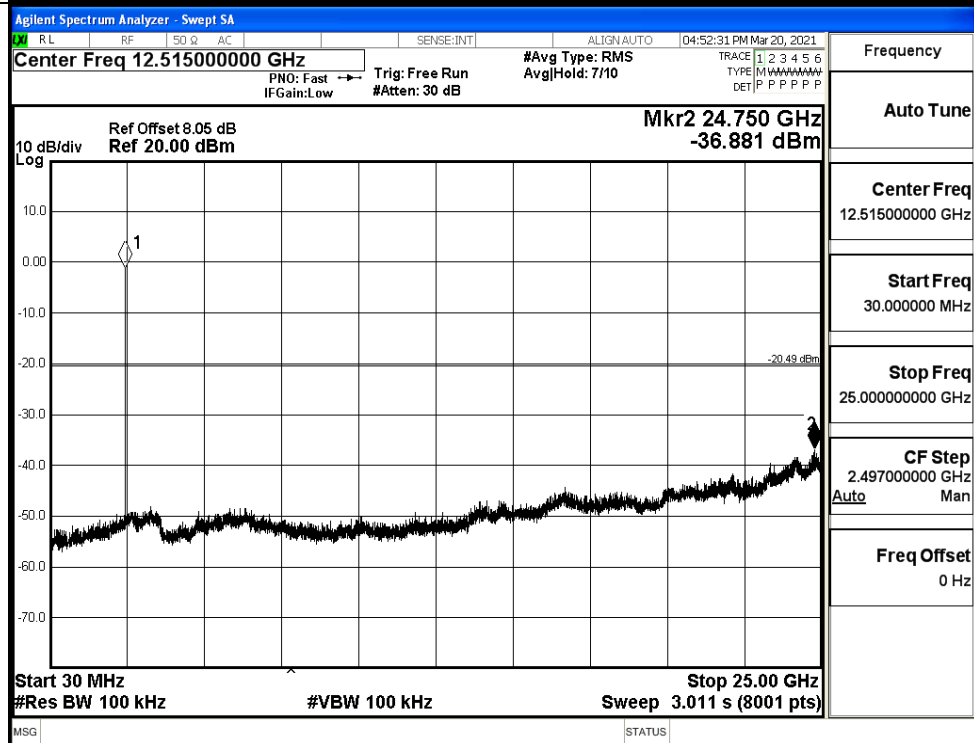


BT LE HCH Graphs

Pref/BT LE/HCH

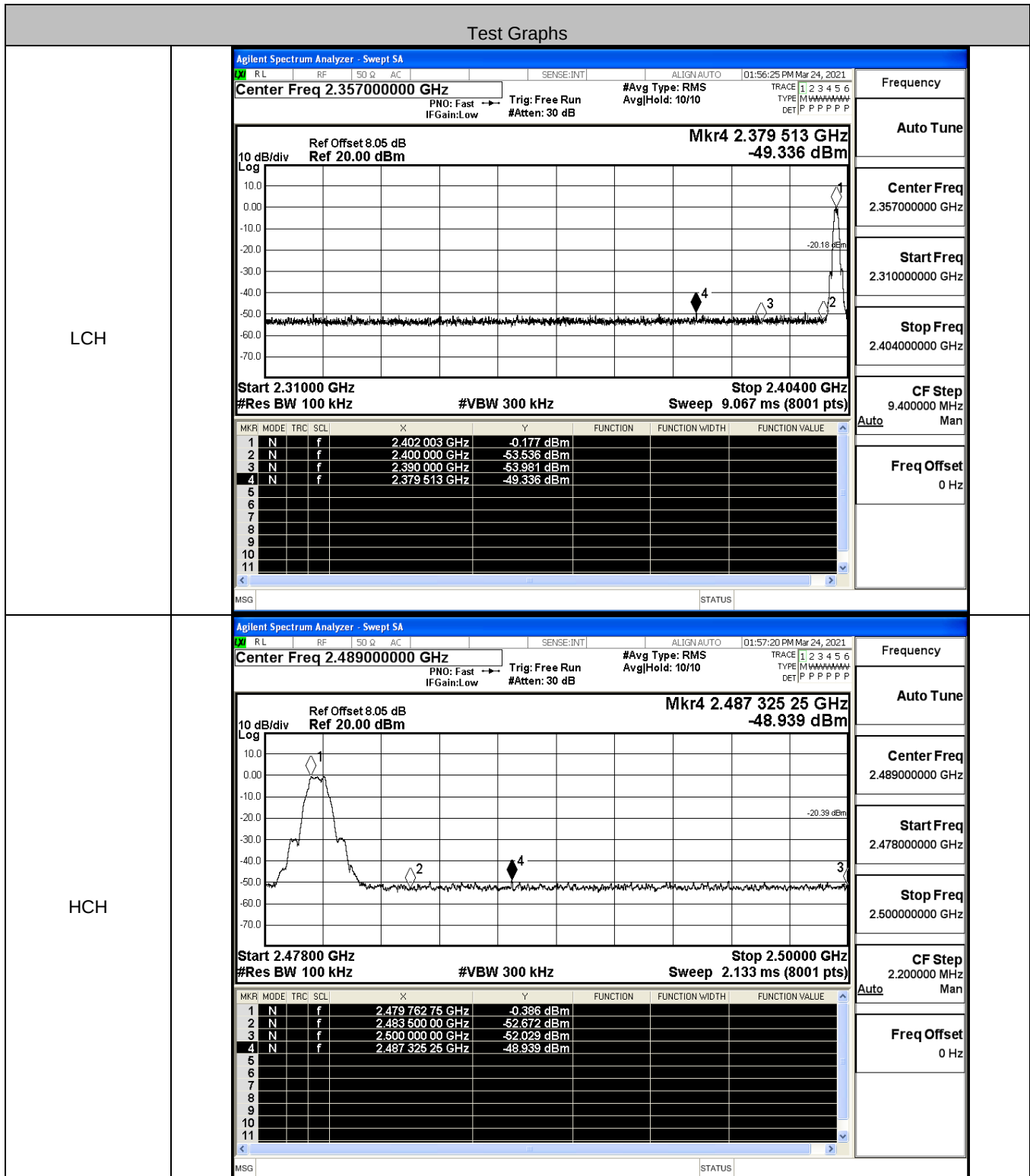


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

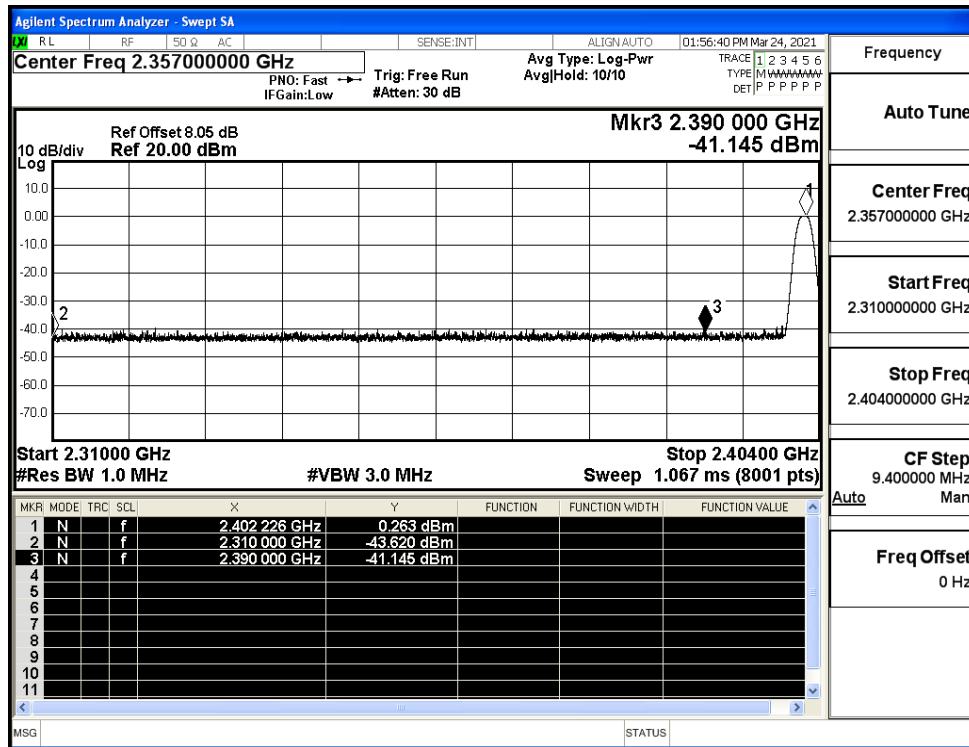
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.177	-49.336	-20.18	PASS
BT LE	HCH	-0.386	-48.939	-20.39	PASS



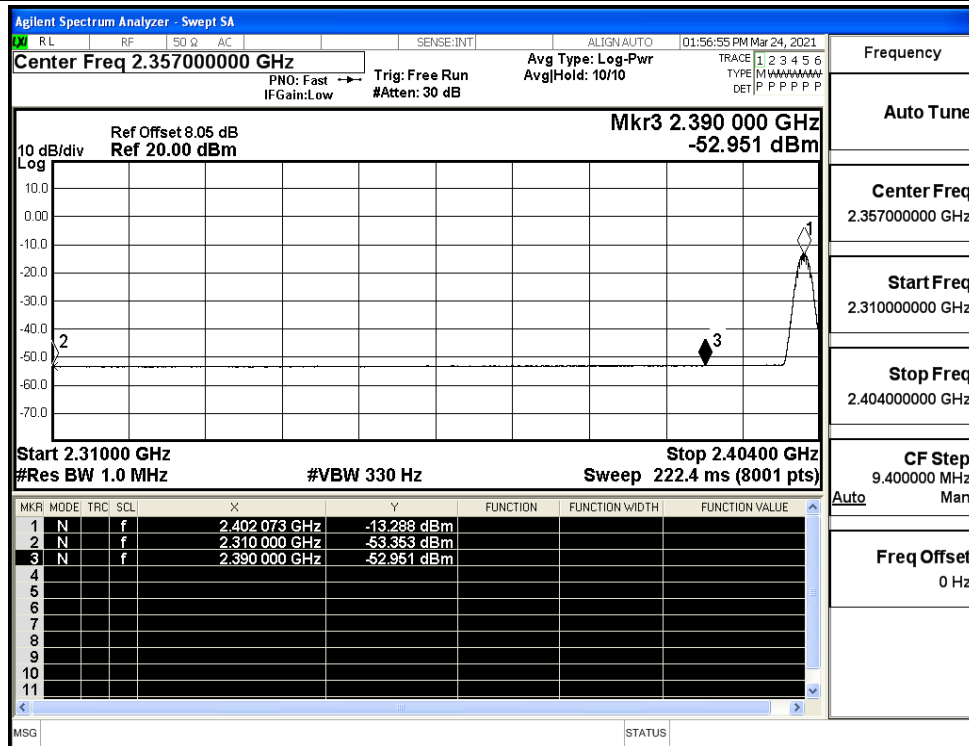
B.7 Restrict-band band-edge measurements

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	-43.62	2.0	0	53.61	PEAK	74	PASS
		Ant1	2310.0	-53.35	2.0	0	43.88	AV	54	PASS
		Ant1	2390.0	-41.15	2.0	0	56.08	PEAK	74	PASS
		Ant1	2390.0	-52.95	2.0	0	44.28	AV	54	PASS
	2480	Ant1	2483.5	-42.65	2.0	0	54.58	PEAK	74	PASS
		Ant1	2483.5	-52.55	2.0	0	44.68	AV	54	PASS
		Ant1	2500.0	-41.87	2.0	0	55.36	PEAK	74	PASS
		Ant1	2500.0	-52.34	2.0	0	44.89	AV	54	PASS

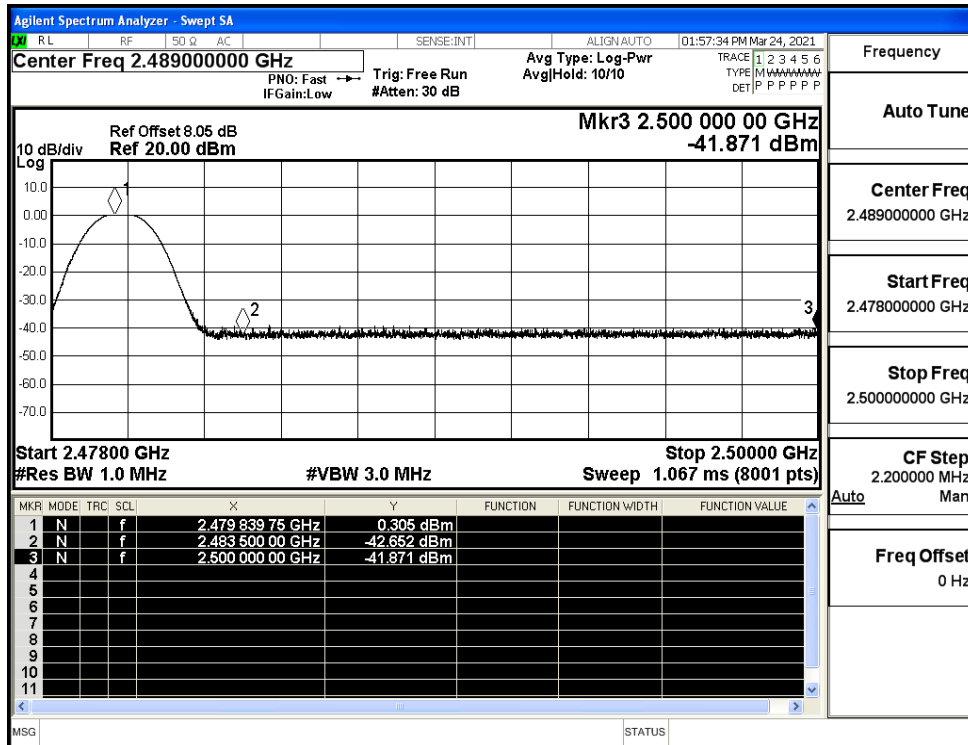
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

