

Appendix B

RF Test Data for BT V4.2(LE) (Conducted Measurement)

Product Name: ECHO MIRROR

Trade Mark: FENCHILIN

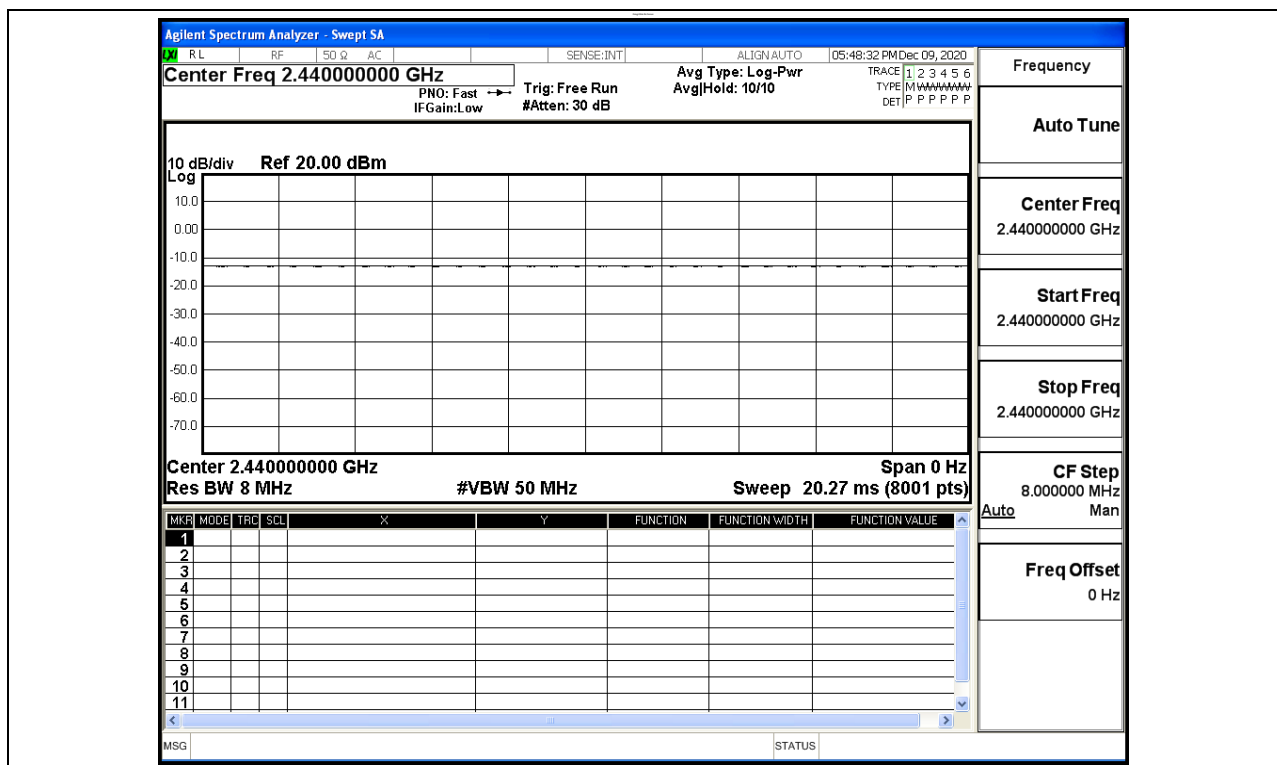
Test Model: MZMGJ0089

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

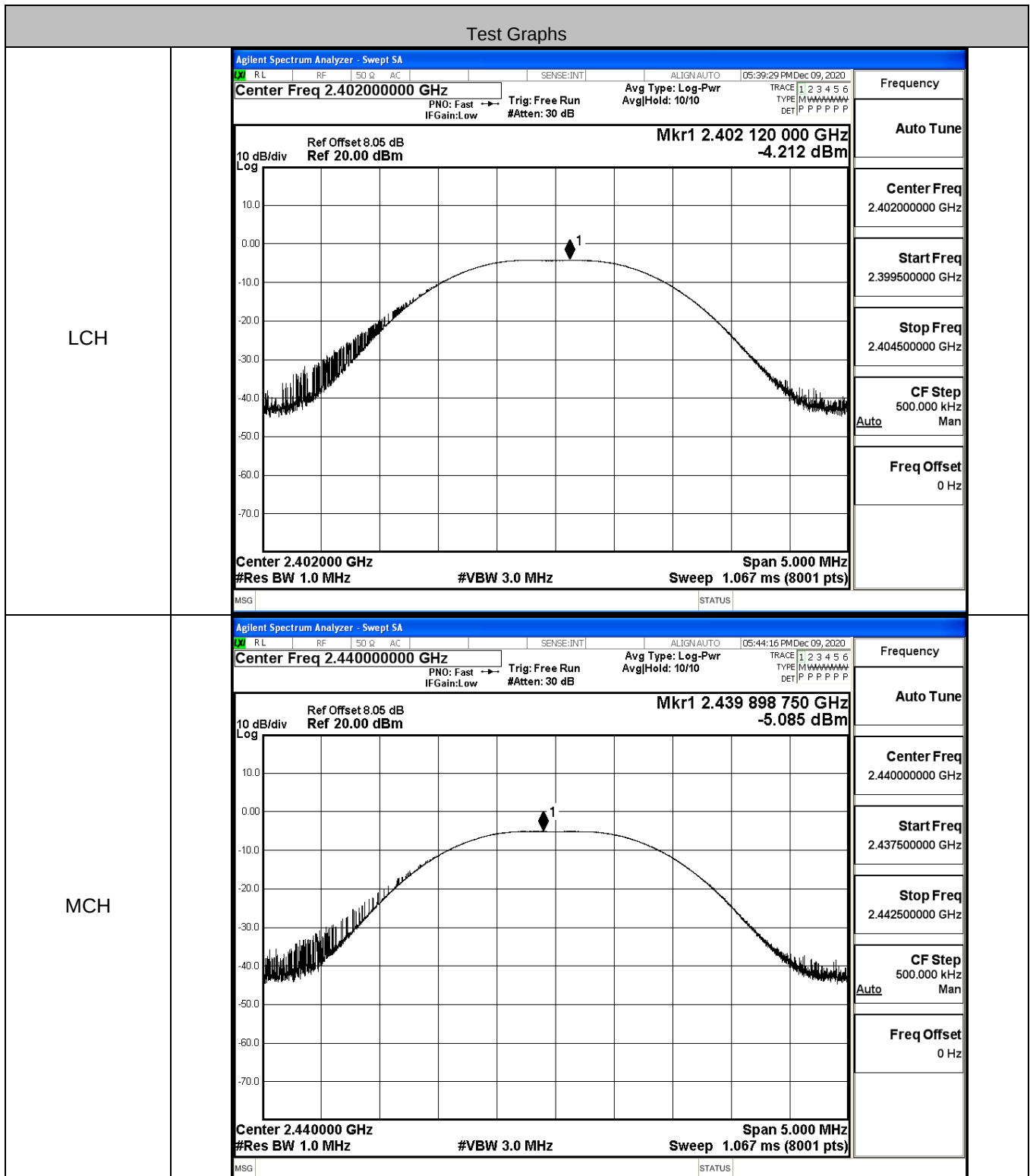
B.1 Duty Cycle

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

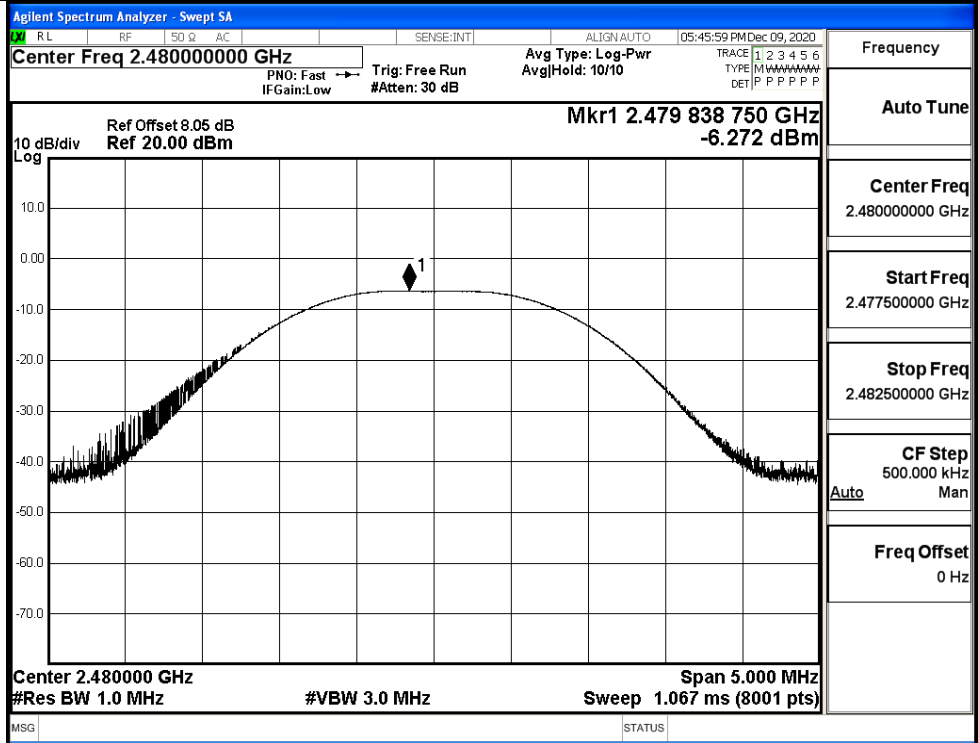


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.212	30	PASS
BT LE	MCH	-5.085	30	PASS
BT LE	HCH	-6.272	30	PASS

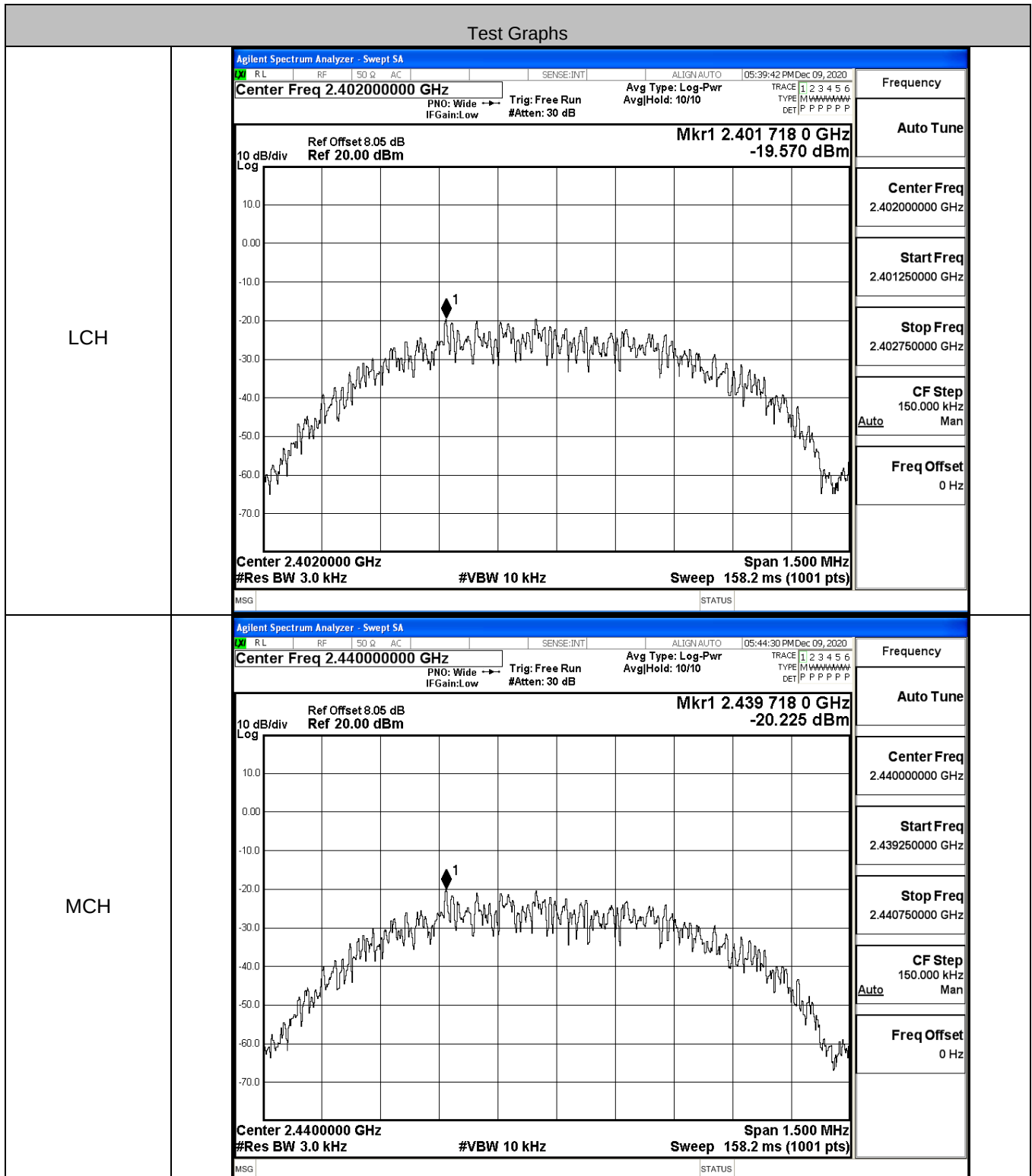


HCH

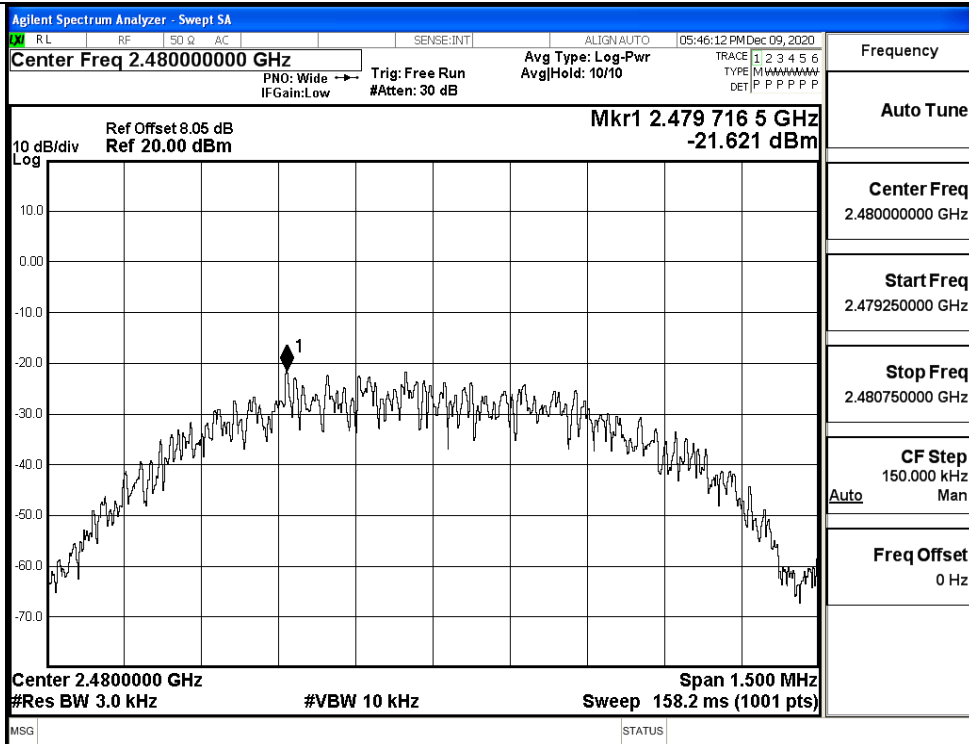


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.570	8	PASS
BT LE	MCH	-20.225	8	PASS
BT LE	HCH	-21.621	8	PASS



HCH

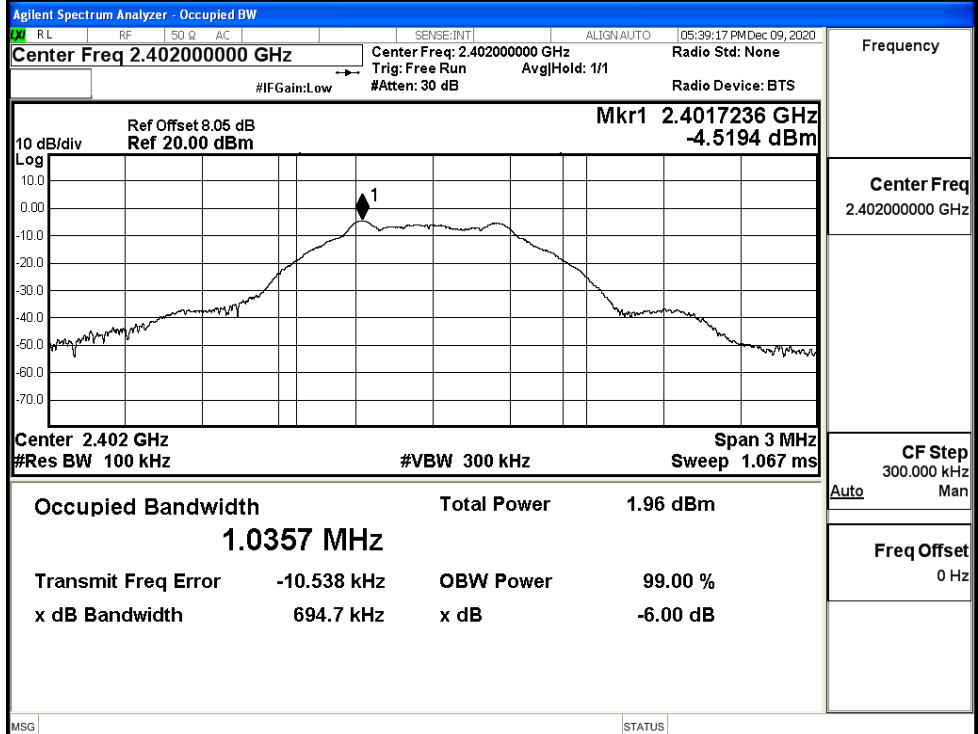


B.4 6dB Bandwidth

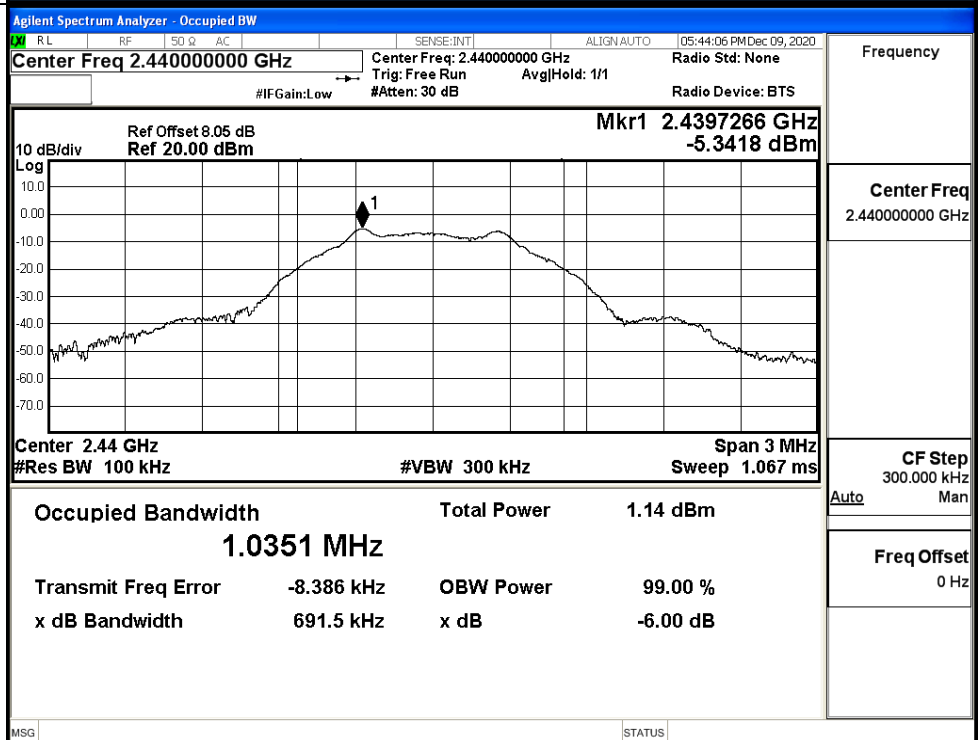
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6947	≥ 0.5	PASS
BT LE	MCH	0.6915	≥ 0.5	PASS
BT LE	HCH	0.6912	≥ 0.5	PASS

Test Graphs

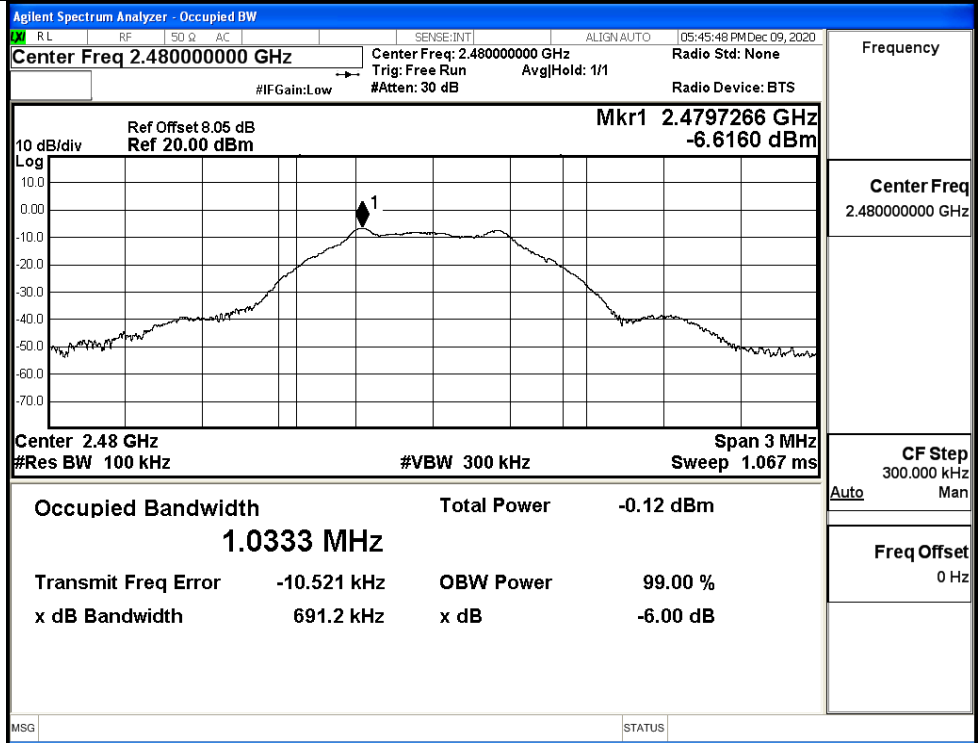
LCH



MCH



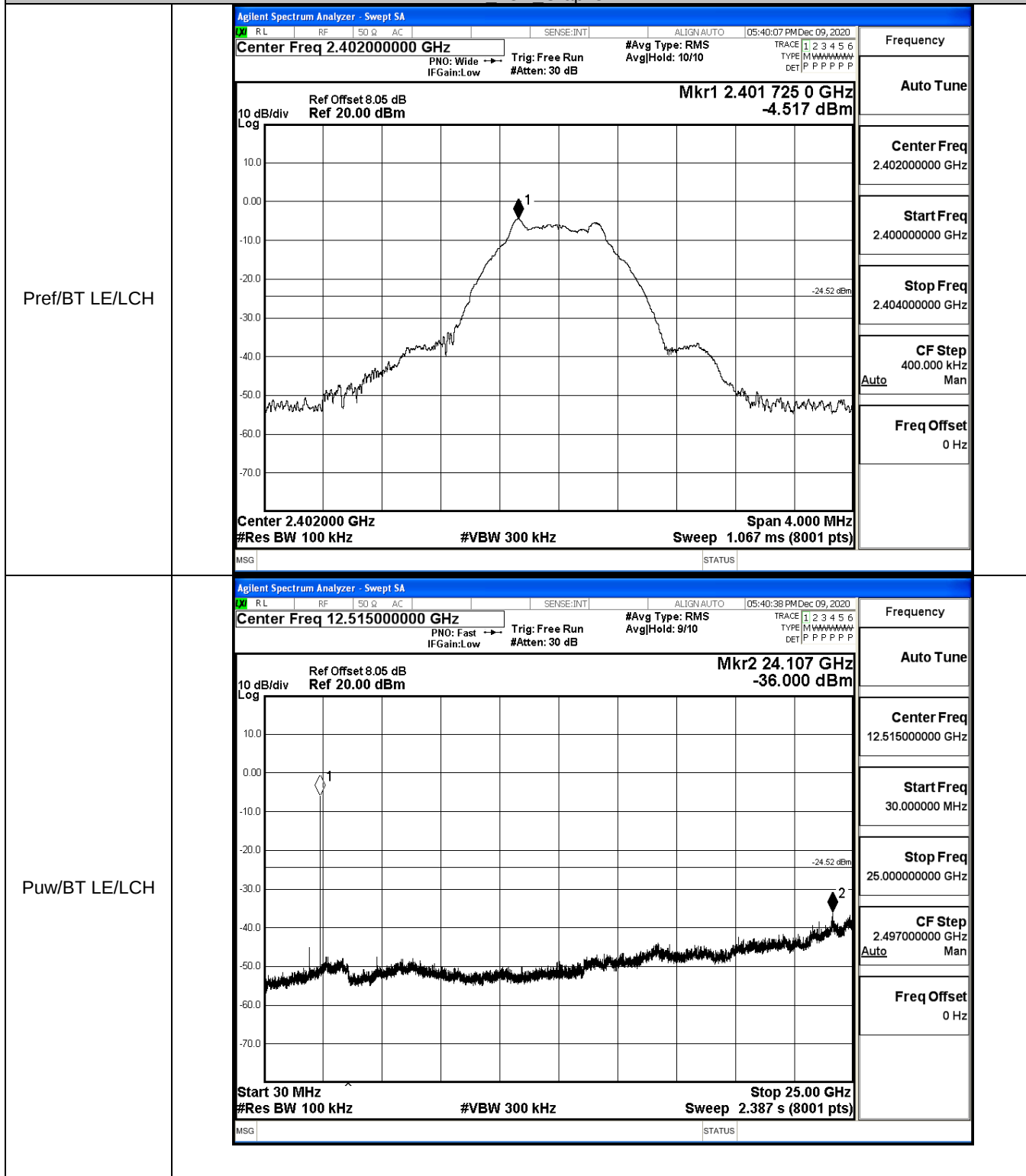
HCH



B.5 RF Conducted Spurious Emissions

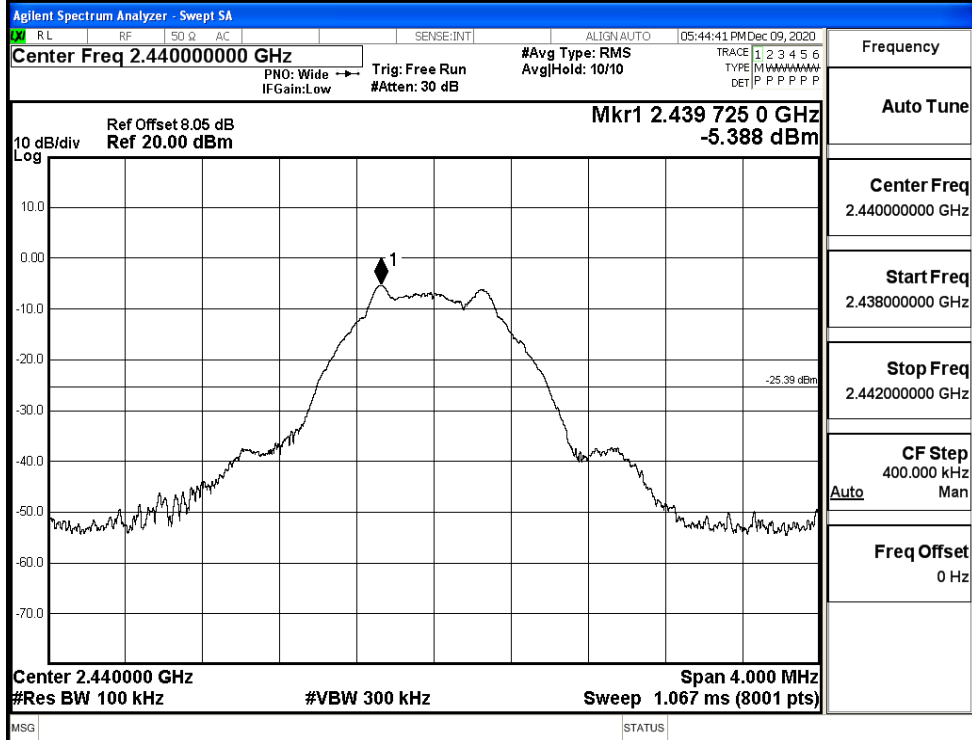
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.517	-36.000	-24.517	PASS
BT LE	MCH	-5.388	-37.183	-25.388	PASS
BT LE	HCH	-6.633	-36.908	-26.633	PASS

BT LE LCH Graphs

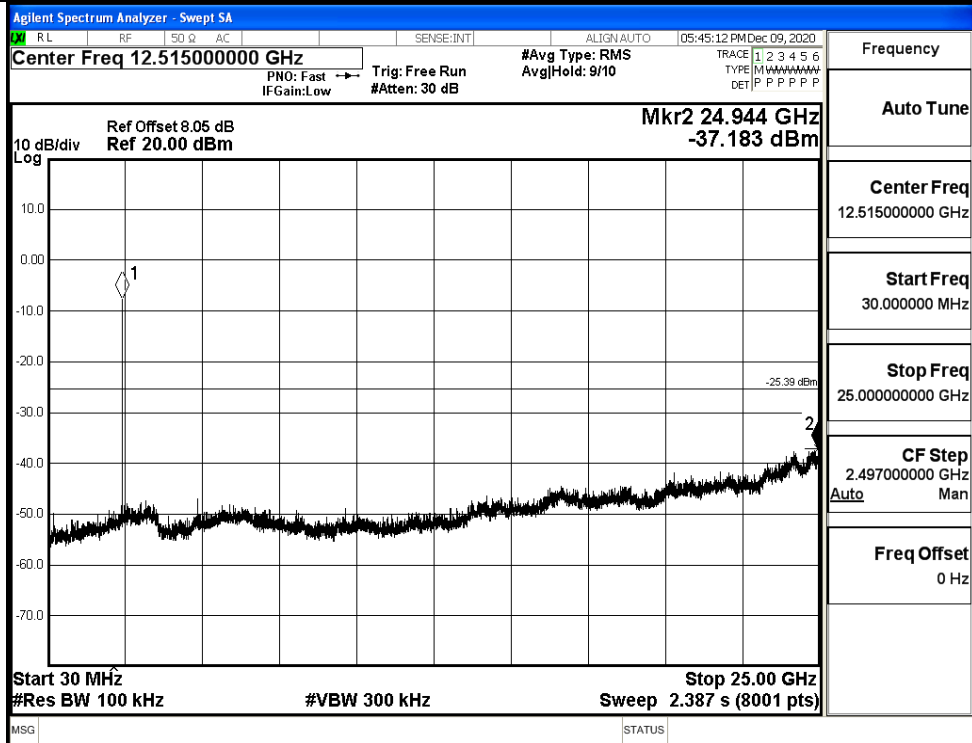


BT LE MCH Graphs

Pref/BT LE/MCH

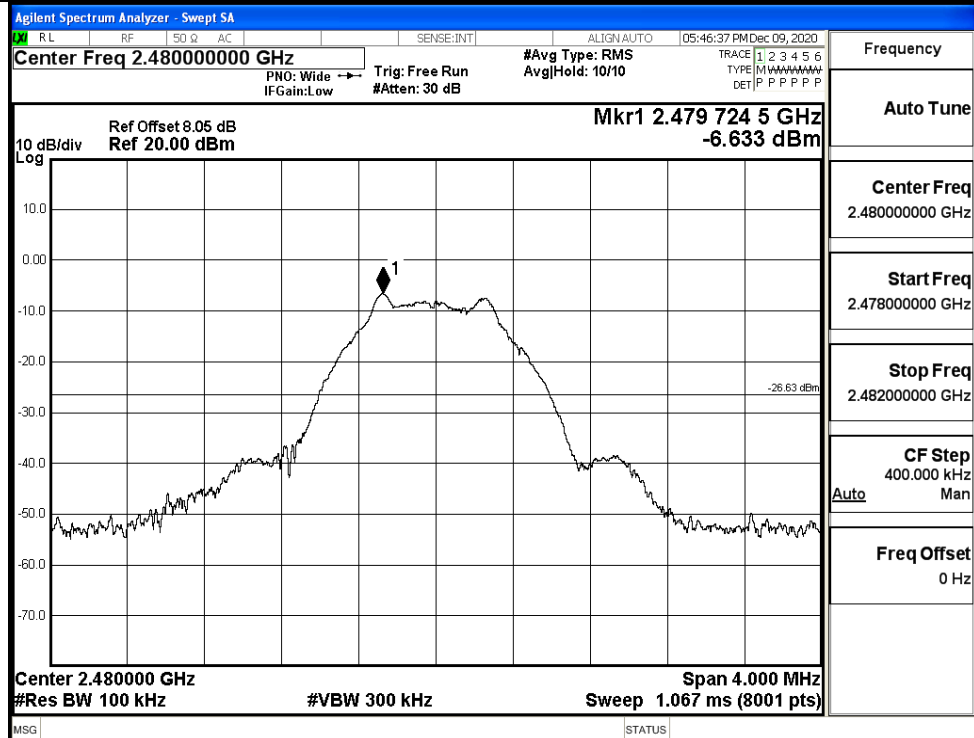


Puw/BT LE/MCH

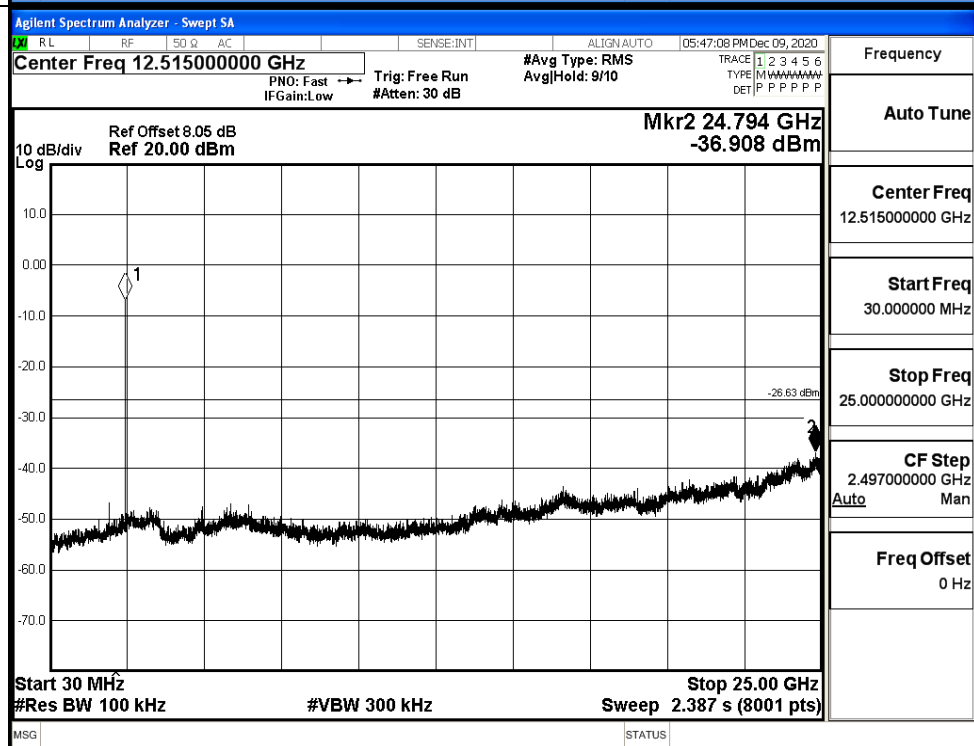


BT LE HCH Graphs

Pref/BT LE/HCH

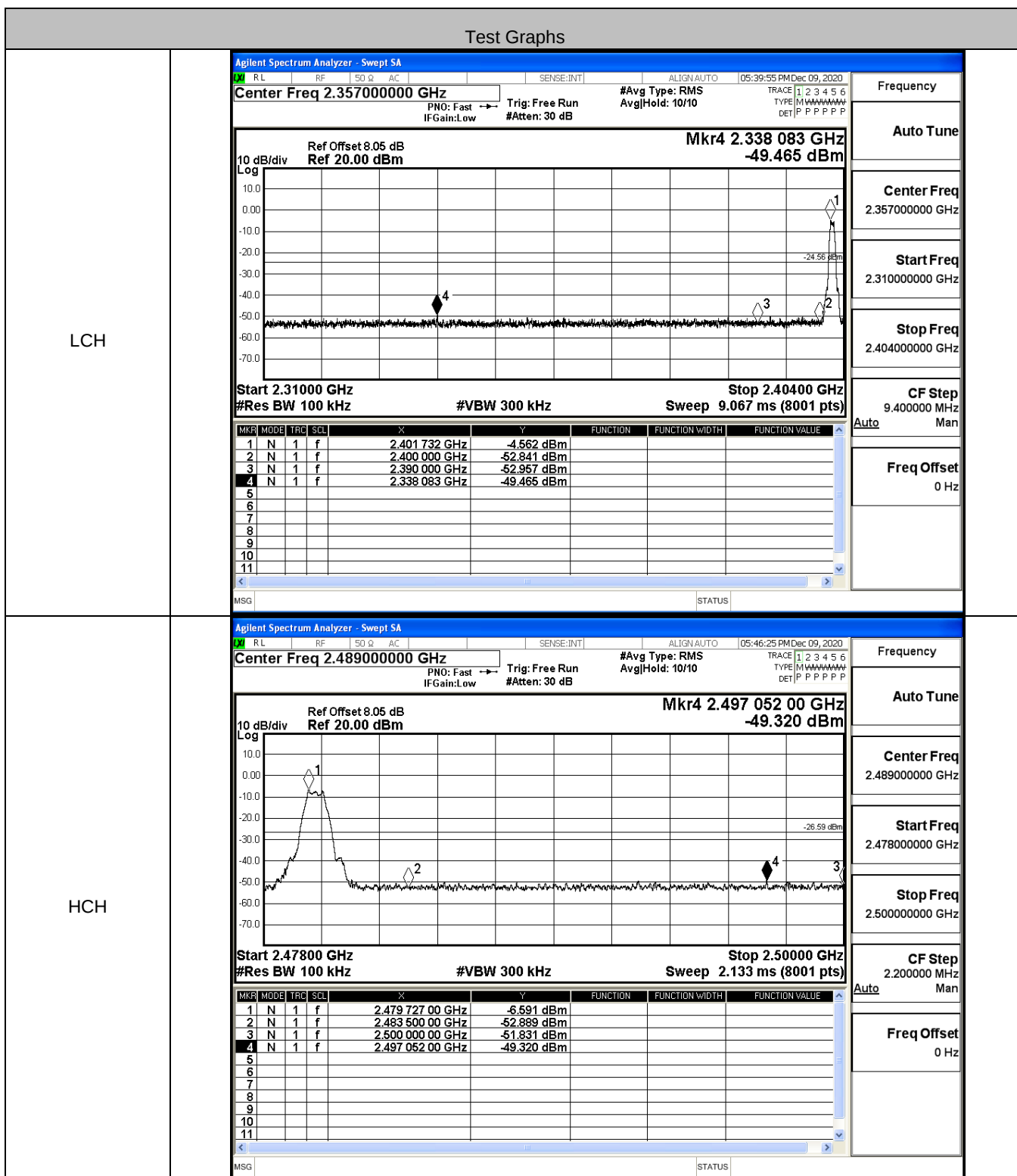


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

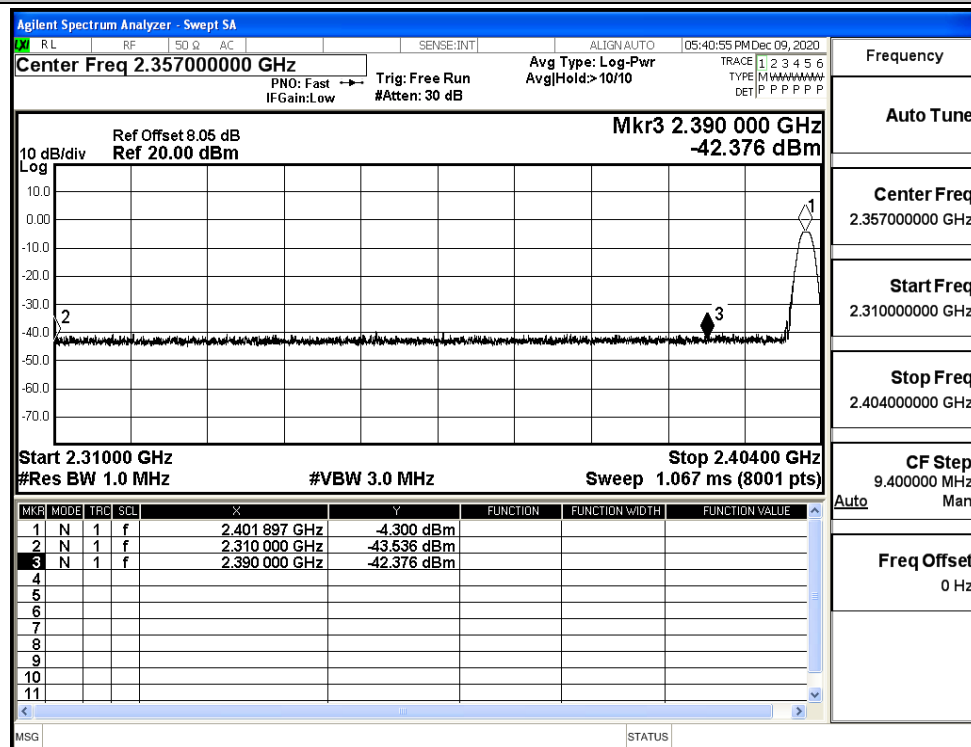
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.562	-49.465	-24.56	PASS
BT LE	HCH	-6.591	-49.320	-26.59	PASS



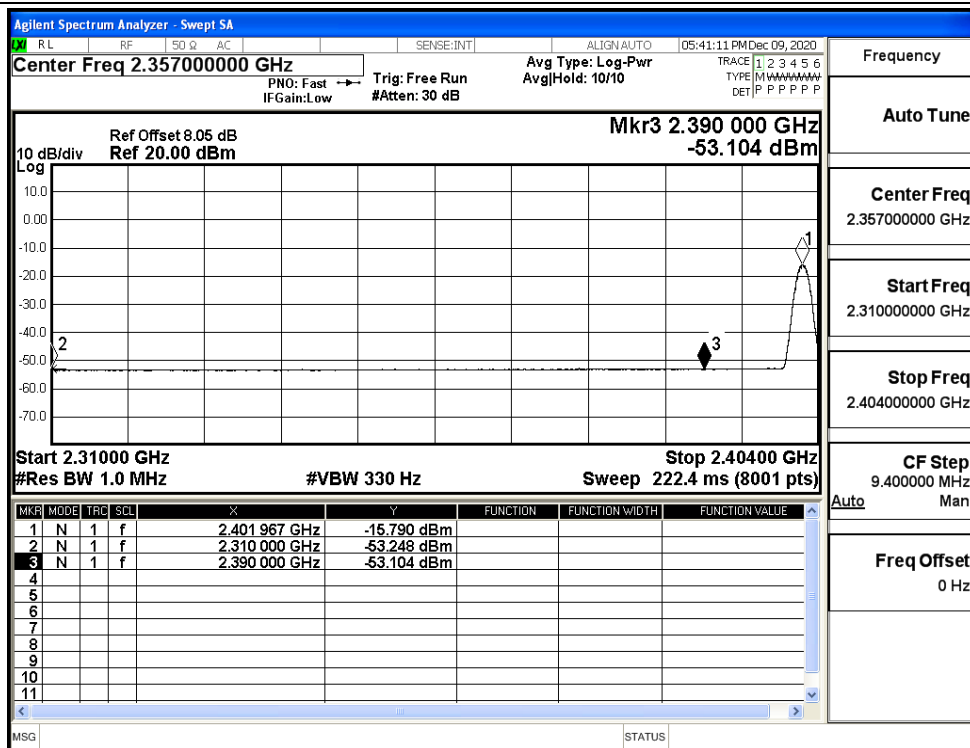
B.7 Restrict-band band-edge measurements

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	-43.54	2.0	0	51.72	PEAK	74	PASS
		Ant1	2310.0	-53.25	2.0	0	42.01	AV	54	PASS
		Ant1	2390.0	-42.38	2.0	0	52.88	PEAK	74	PASS
		Ant1	2390.0	-53.10	2.0	0	42.15	AV	54	PASS
	2480	Ant1	2483.5	-42.02	2.0	0	53.24	PEAK	74	PASS
		Ant1	2483.5	-52.60	2.0	0	42.66	AV	54	PASS
		Ant1	2500.0	-41.67	2.0	0	53.59	PEAK	74	PASS
		Ant1	2500.0	-52.36	2.0	0	42.89	AV	54	PASS

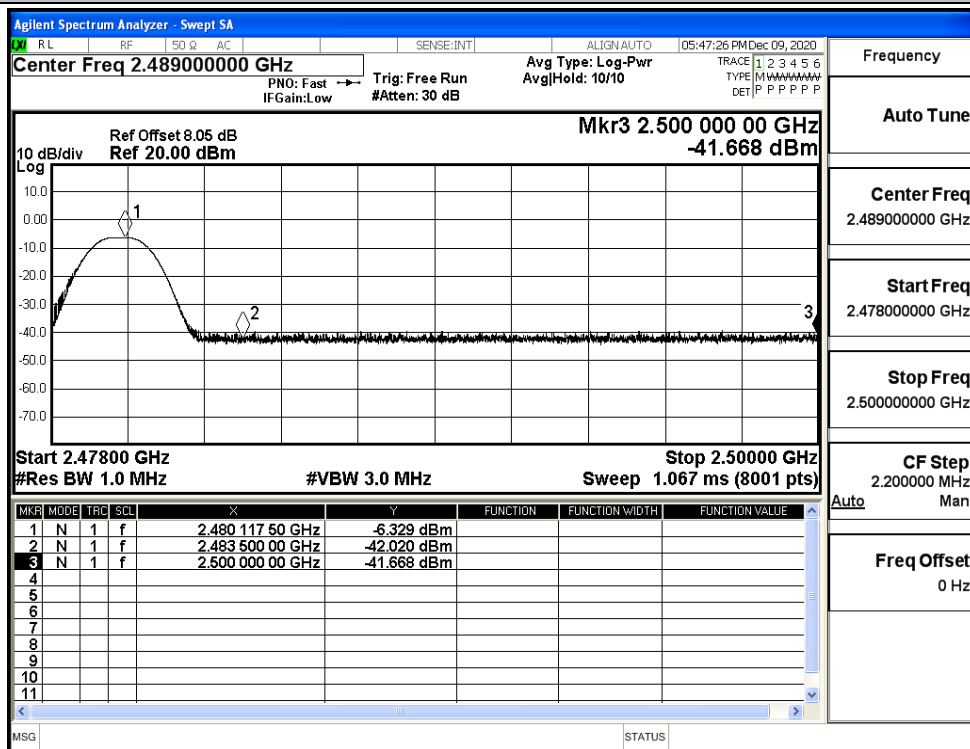
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

