

Appendix B

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

Product Name: Speaker

Trade Mark: Diablo

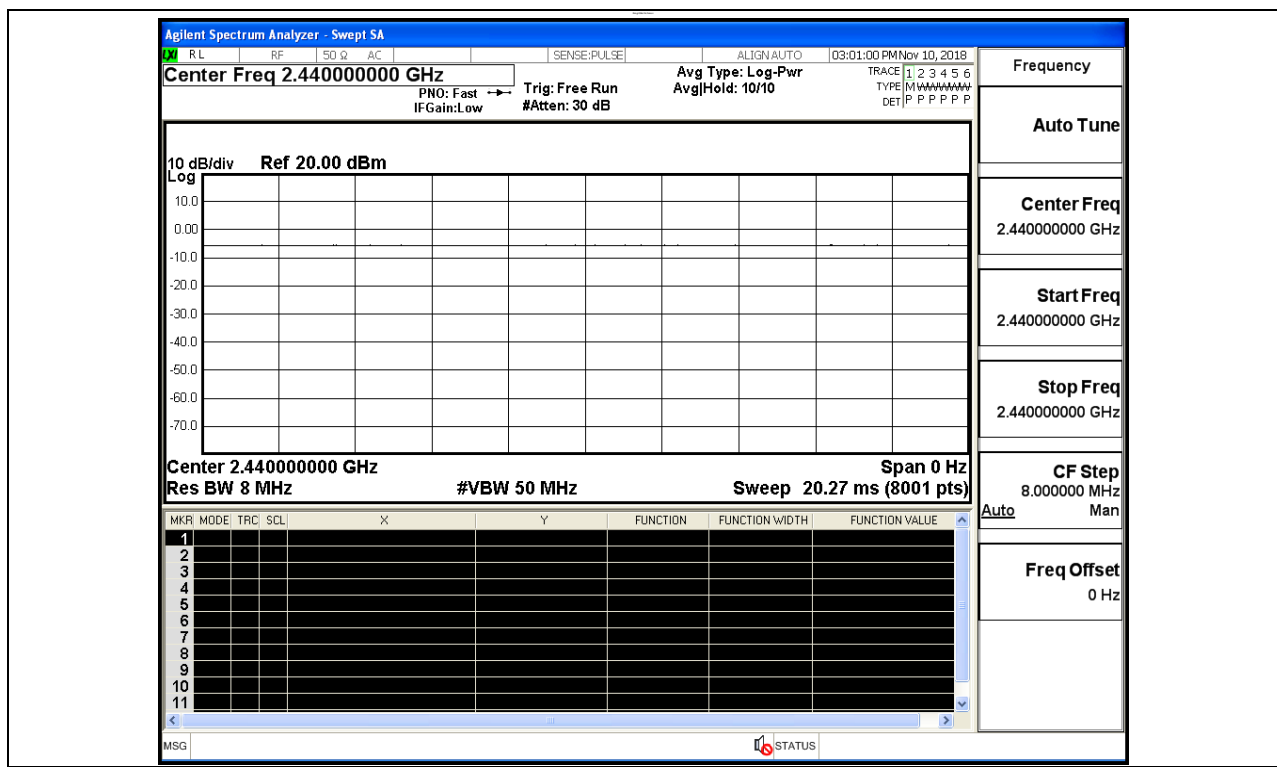
Test Model: DB--RUMBLE

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang Chuang
Supervised by:	Jayden.Zhuo

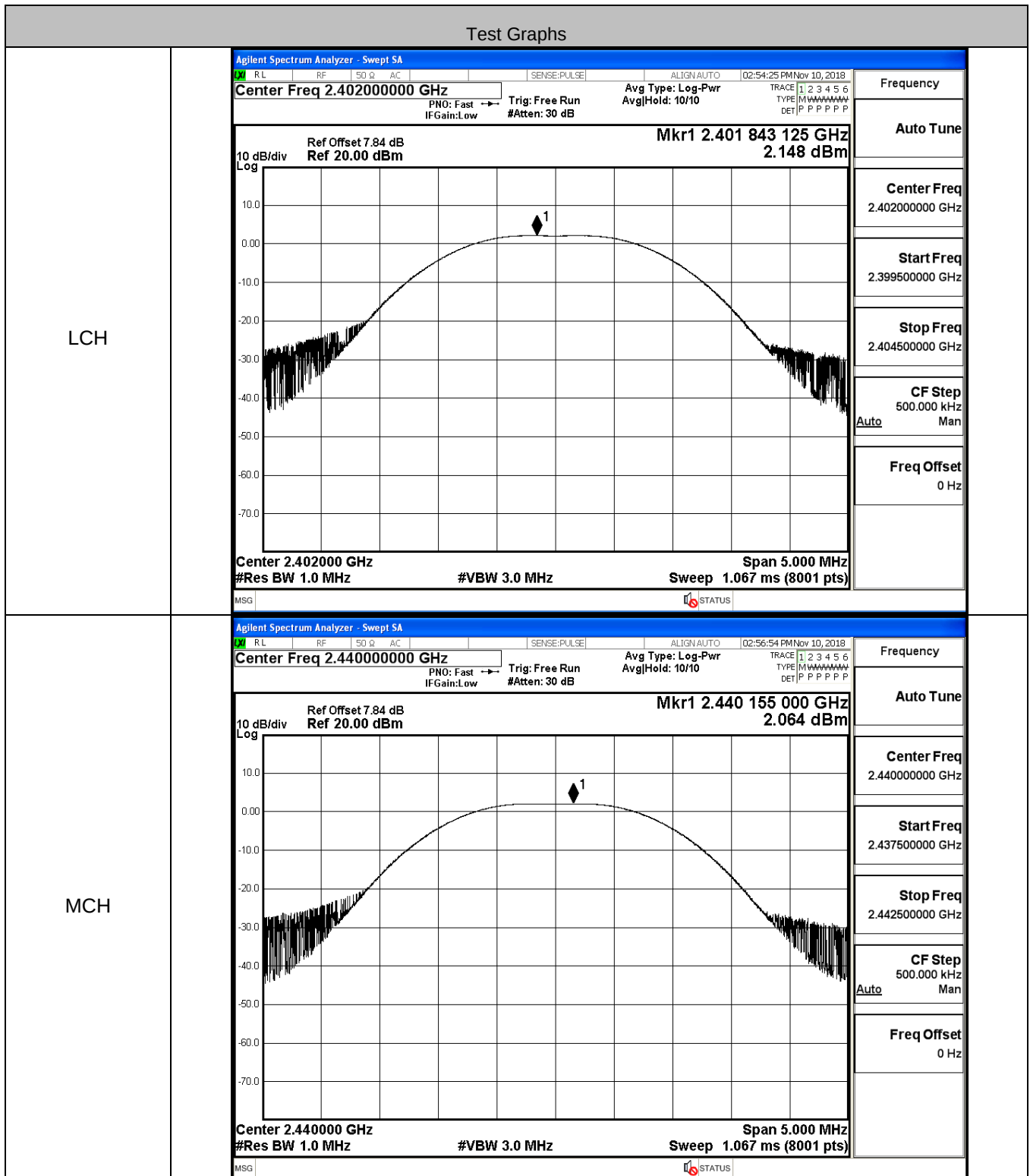
B.1 Duty Cycle

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

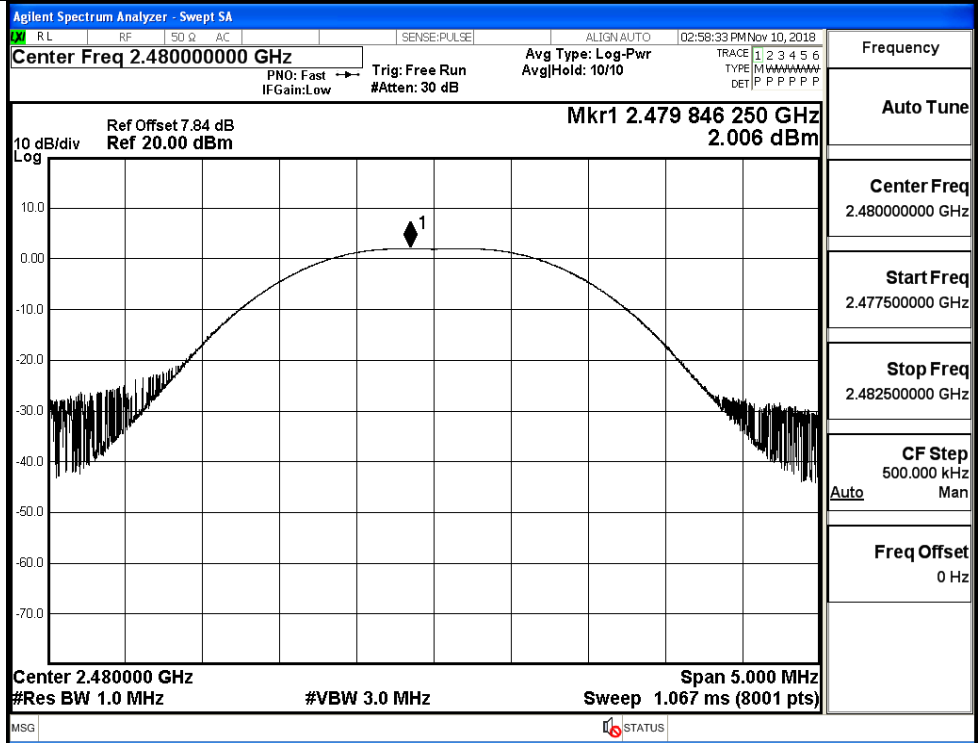


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.148	30	PASS
BT LE	MCH	2.064	30	PASS
BT LE	HCH	2.006	30	PASS

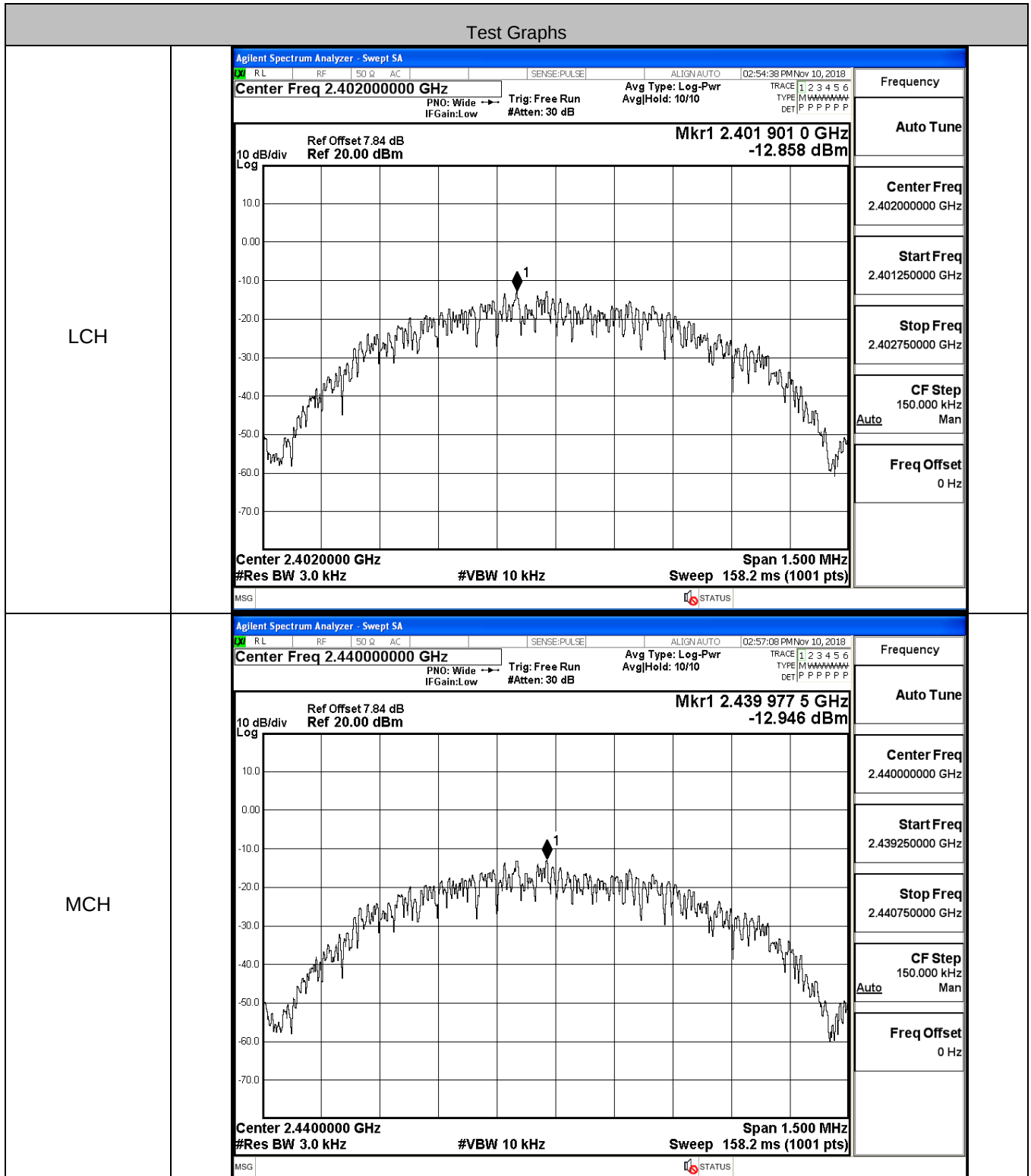


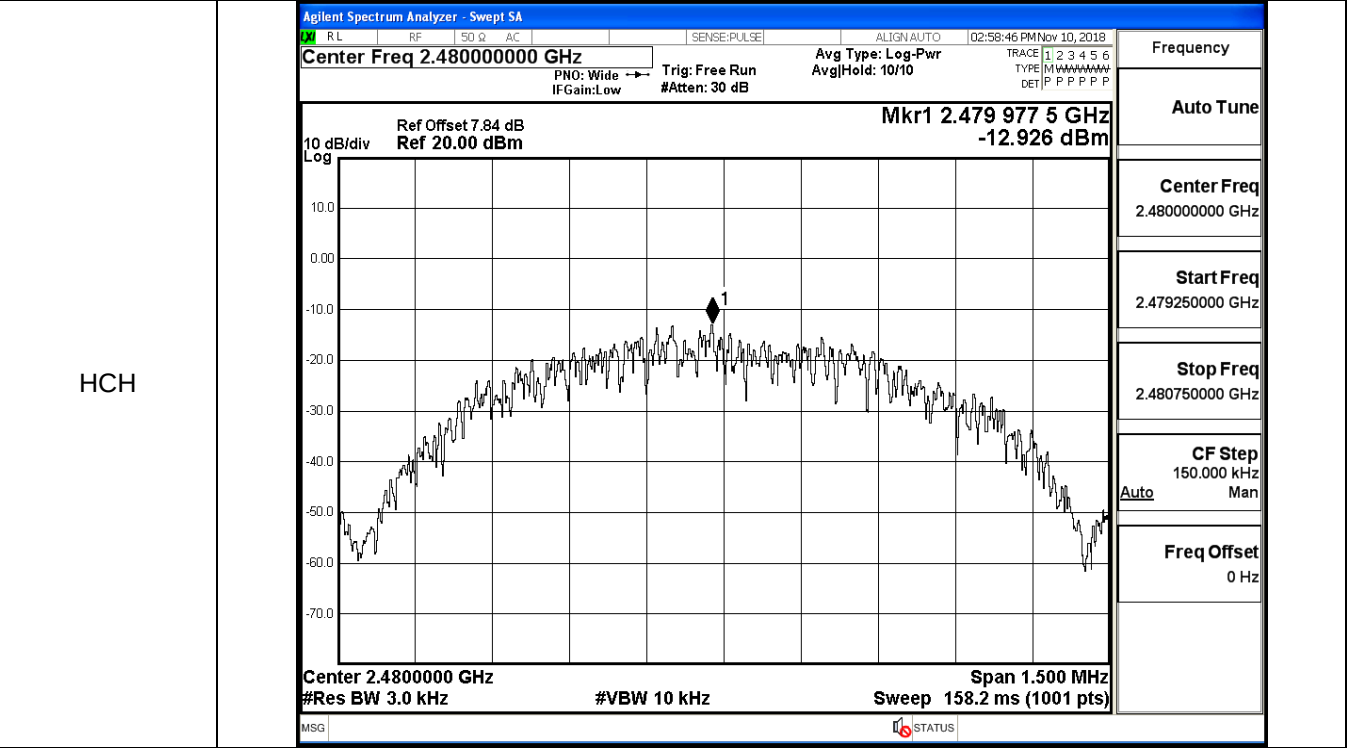
HCH



B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-12.858	8	PASS
BT LE	MCH	-12.946	8	PASS
BT LE	HCH	-12.926	8	PASS



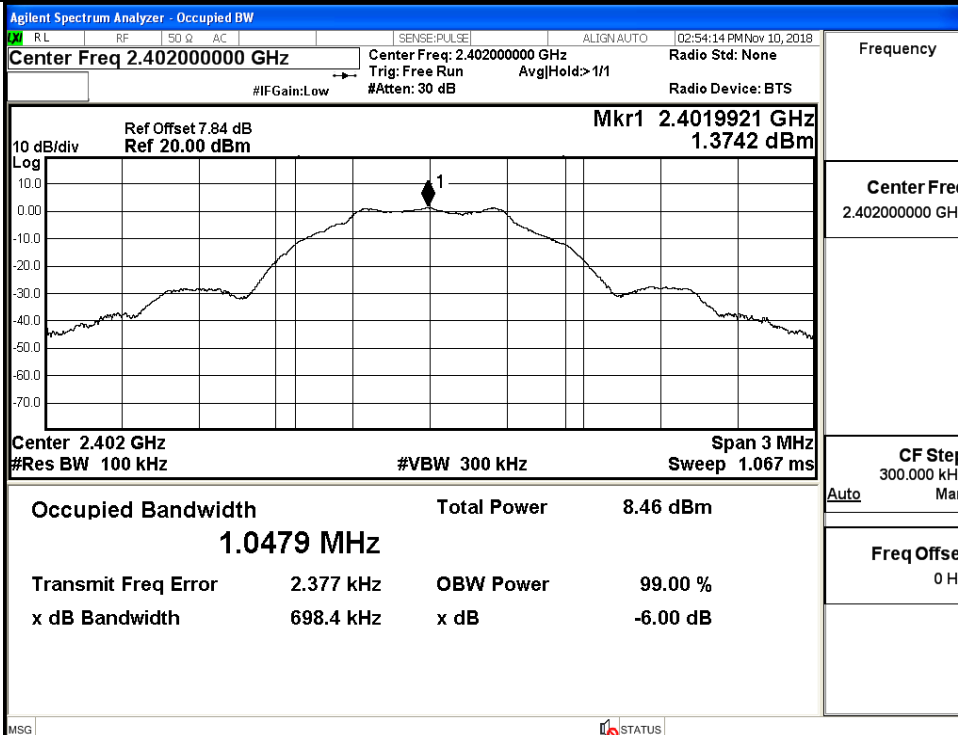


B.4 6dB Bandwidth

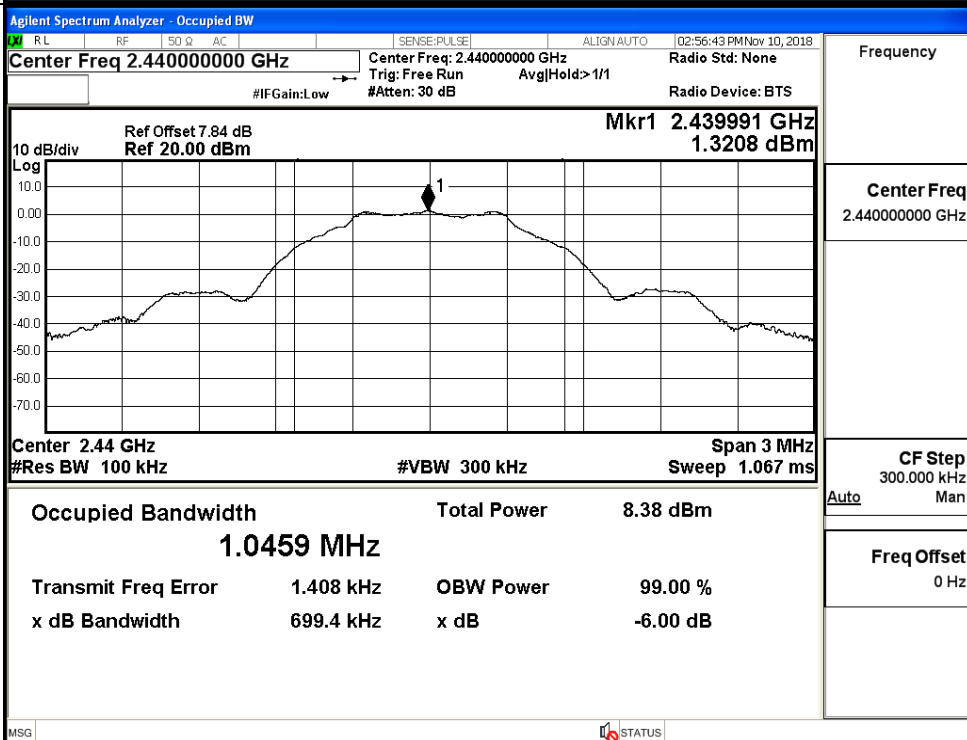
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6984	≥ 0.5	PASS
BT LE	MCH	0.6994	≥ 0.5	PASS
BT LE	HCH	0.6912	≥ 0.5	PASS

Test Graphs

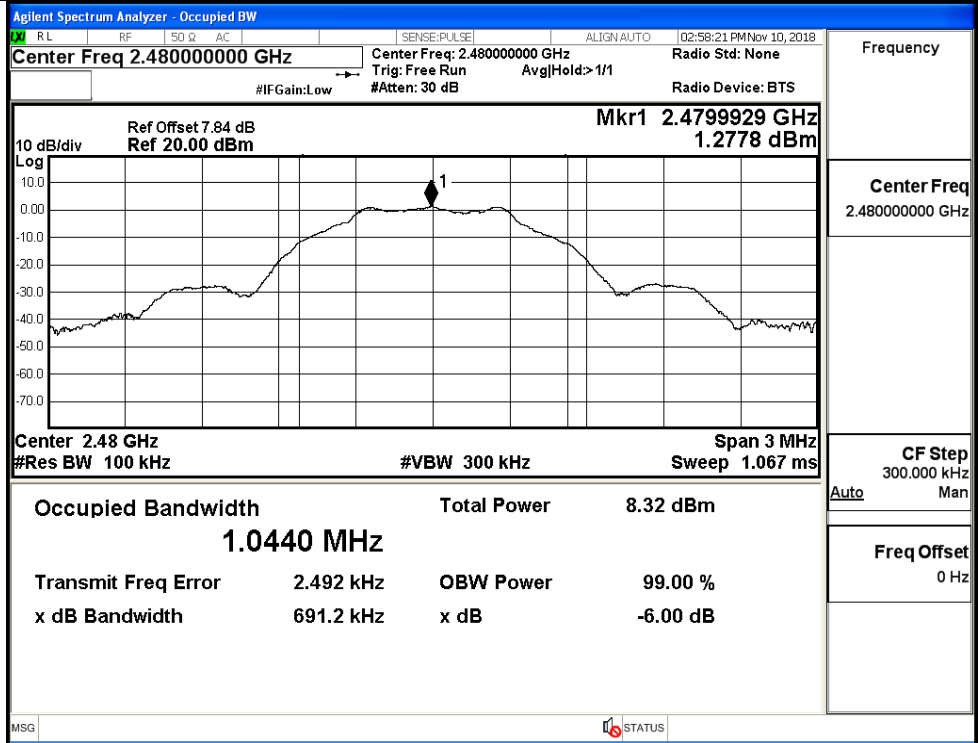
LCH



MCH



HCH

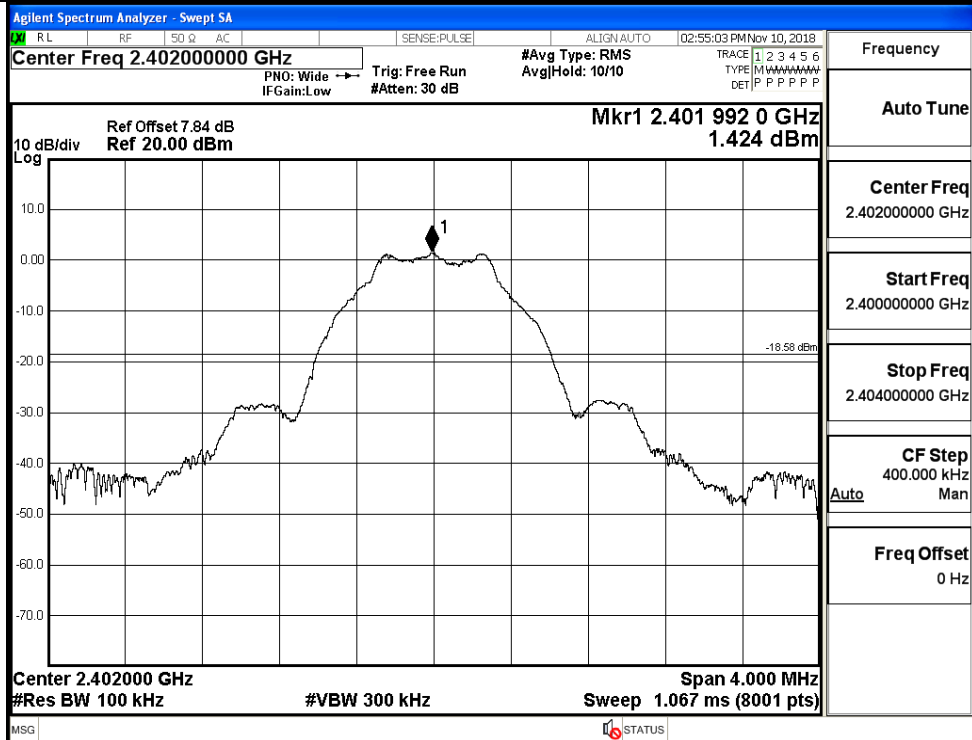


B.5 RF Conducted Spurious Emissions

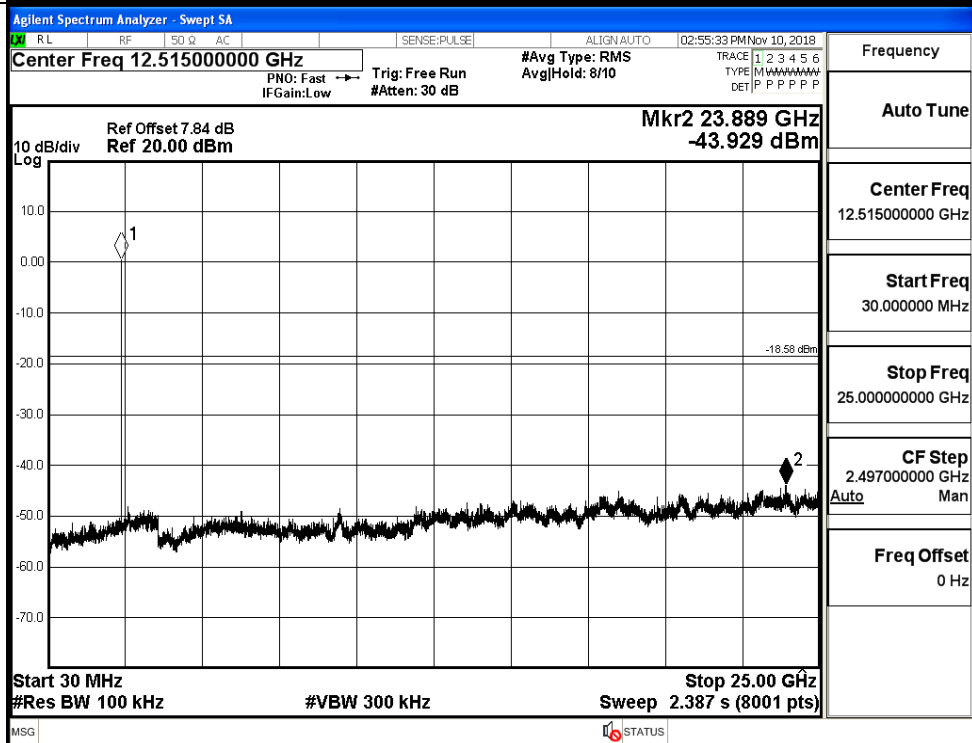
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.424	-43.929	-18.576	PASS
BT LE	MCH	1.353	-44.468	-18.647	PASS
BT LE	HCH	1.06	-43.663	-18.940	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

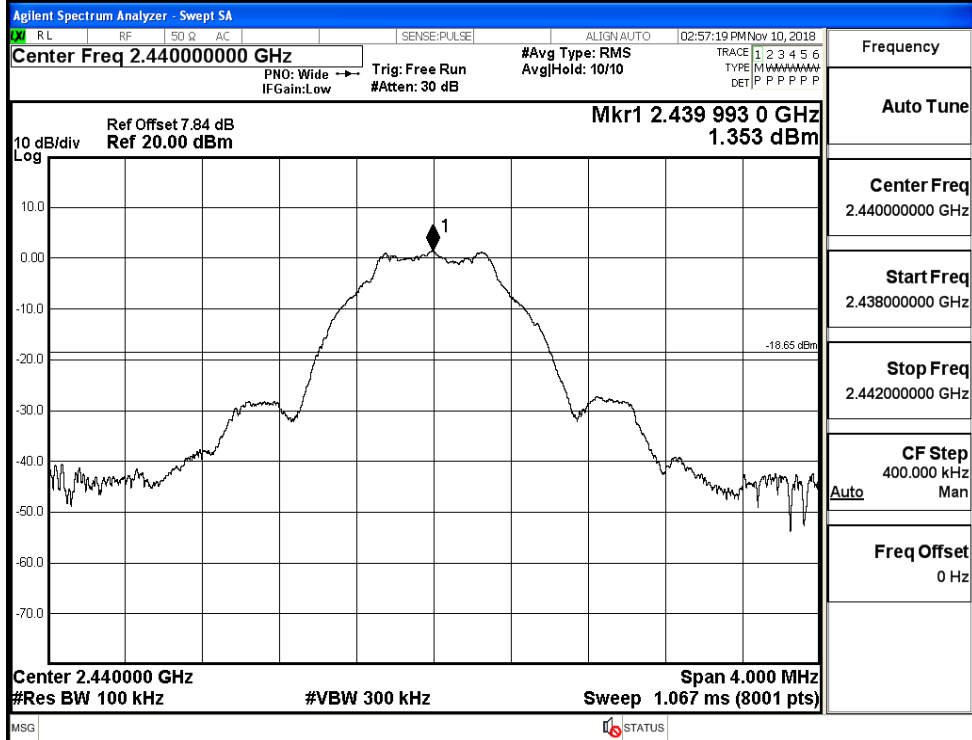


Puw/BT LE/LCH

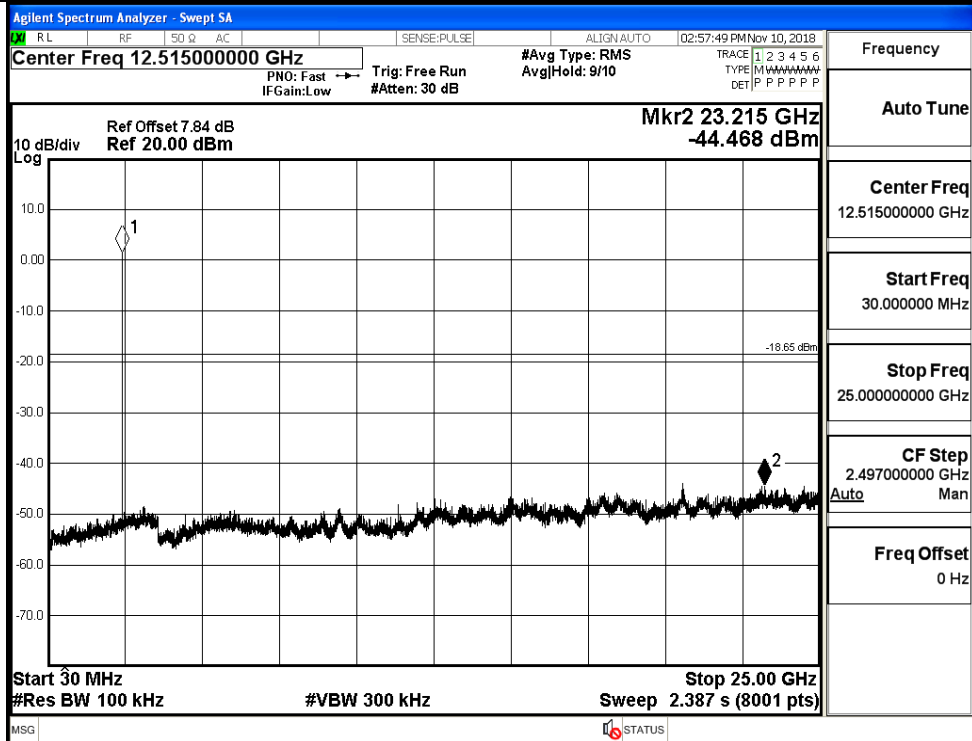


BT LE MCH Graphs

Pref/BT LE/MCH

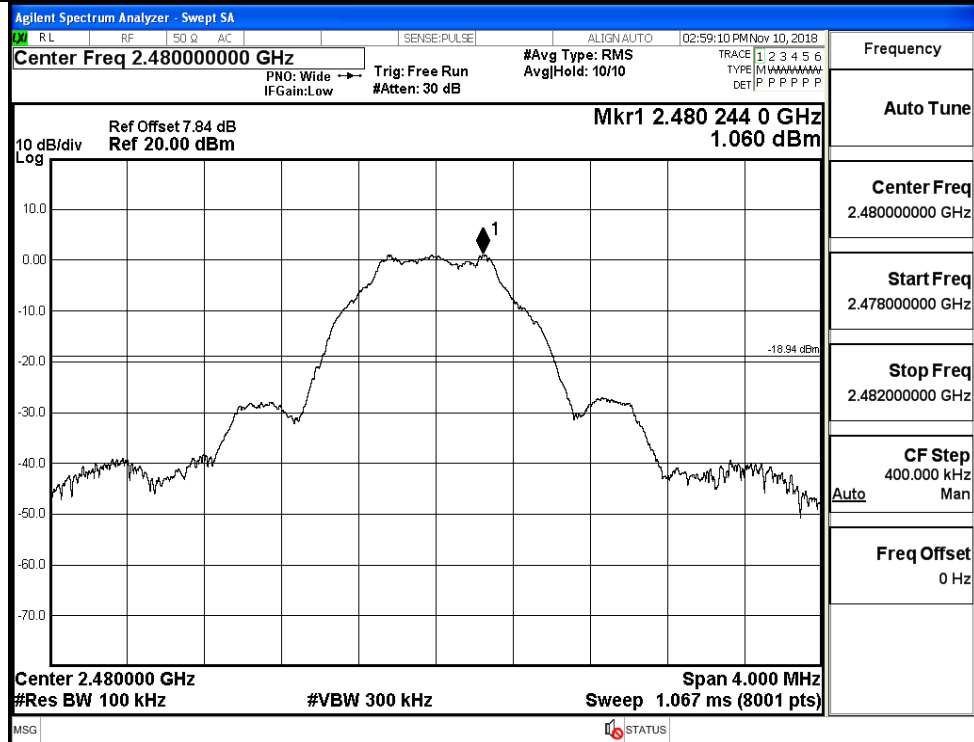


Puw/BT LE/MCH

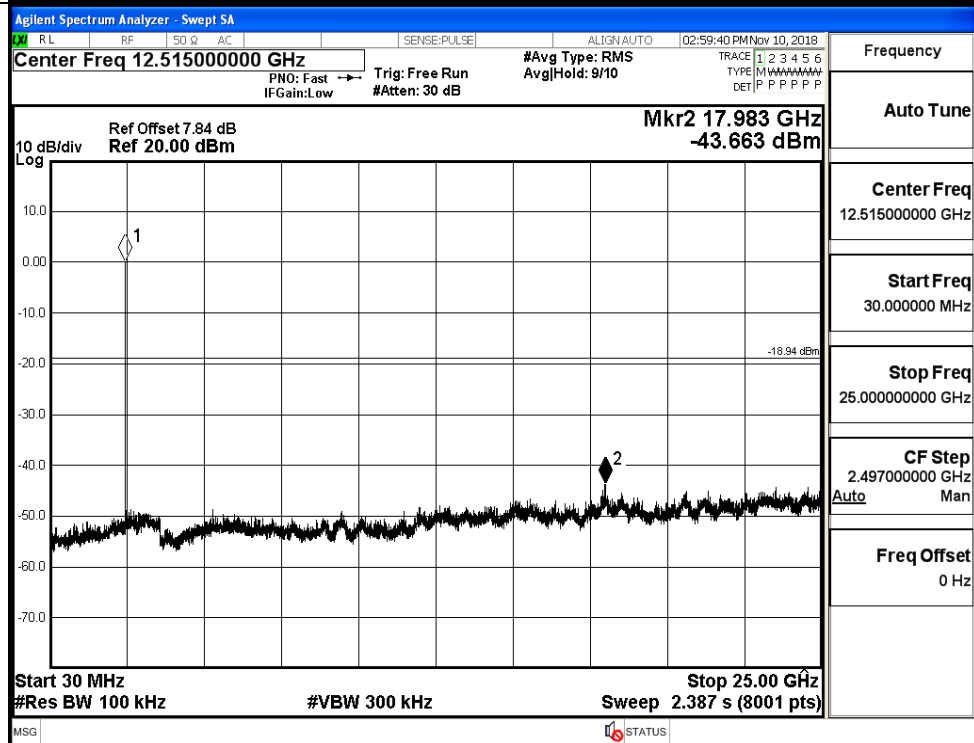


BT LE HCH Graphs

Pref/BT LE/HCH

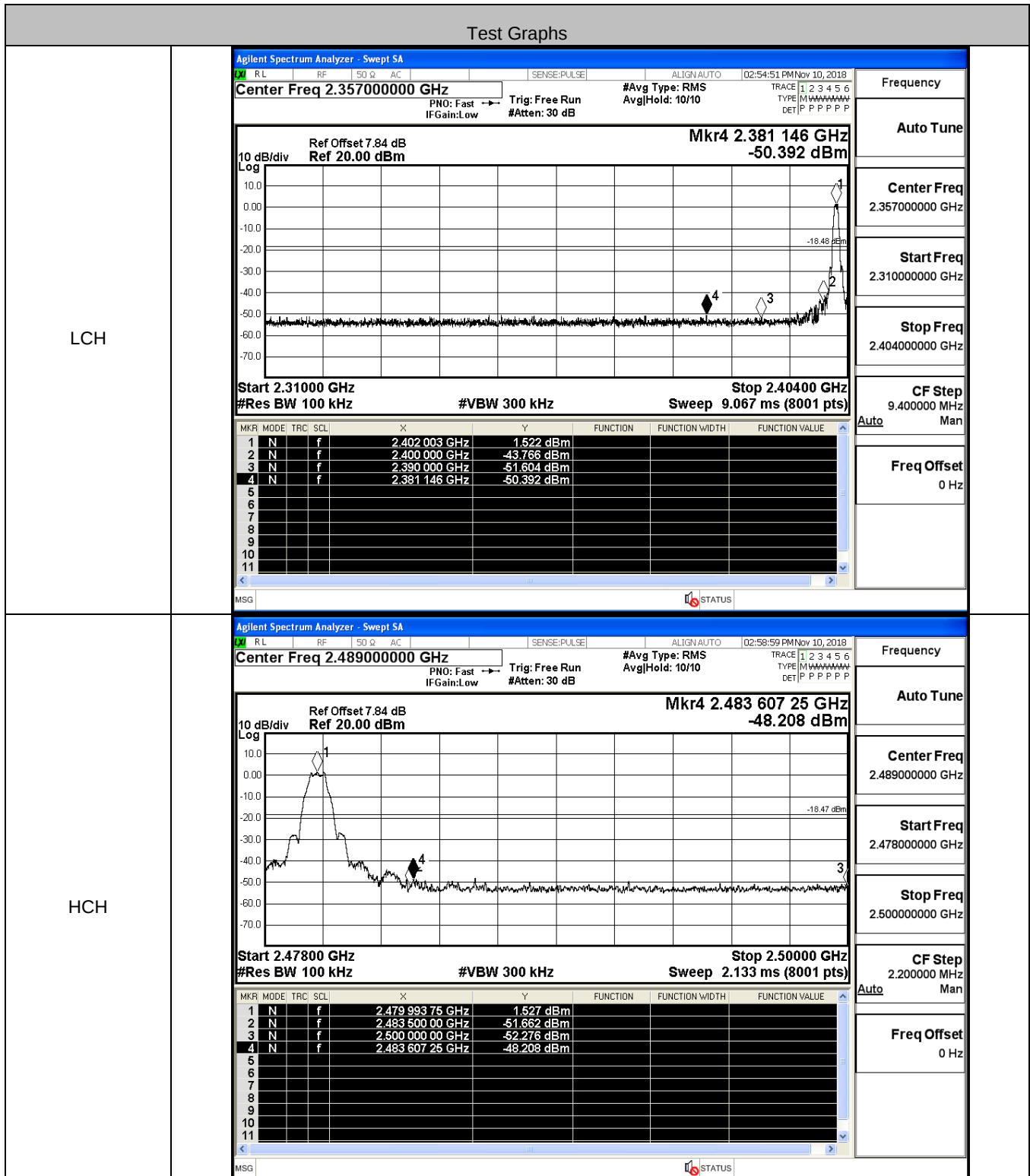


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

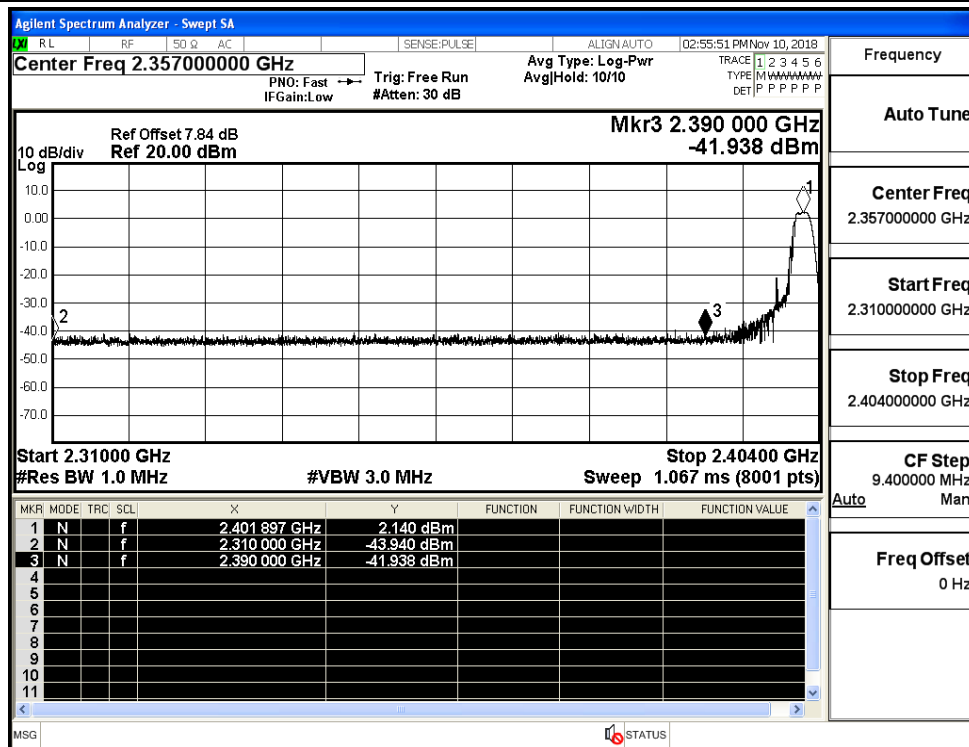
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.522	-50.392	-18.48	PASS
BT LE	HCH	1.527	-48.208	-18.47	PASS



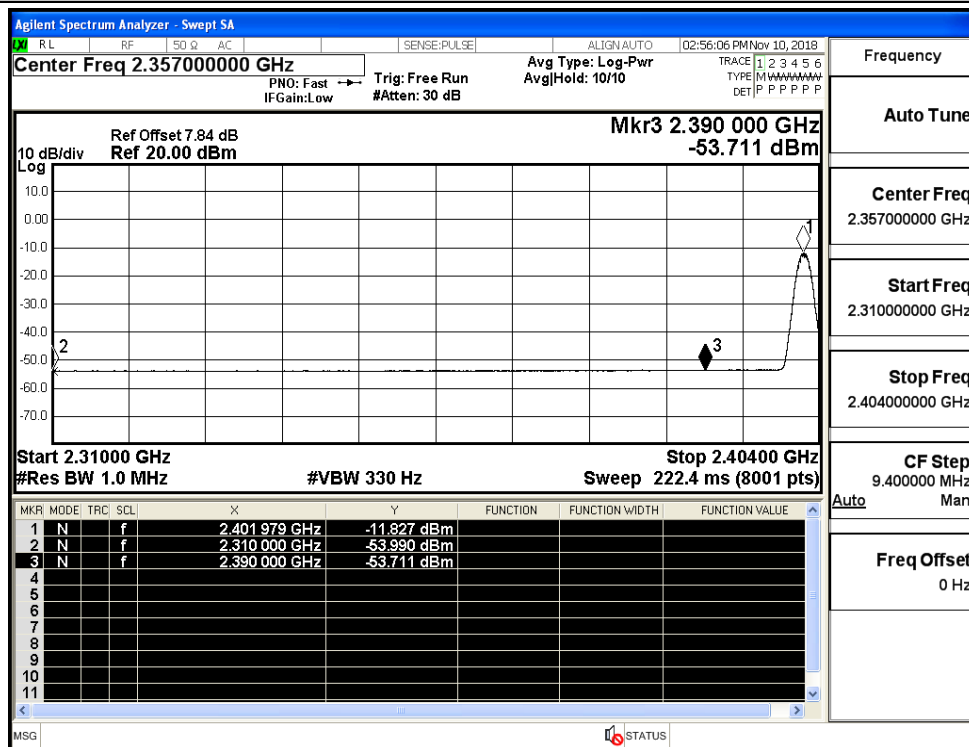
B.7 Restrict-band band-edge measurements

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	-43.94	2.0	0	53.32	PEAK	74	PASS
		Ant1	2310.0	-53.99	2.0	0	43.27	AV	54	PASS
		Ant1	2390.0	-41.94	2.0	0	55.32	PEAK	74	PASS
		Ant1	2390.0	-53.71	2.0	0	43.55	AV	54	PASS
	2480	Ant1	2483.5	-43.49	2.0	0	53.77	PEAK	74	PASS
		Ant1	2483.5	-53.25	2.0	0	44.01	AV	54	PASS
		Ant1	2500.0	-44.55	2.0	0	52.71	PEAK	74	PASS
		Ant1	2500.0	-53.20	2.0	0	44.06	AV	54	PASS

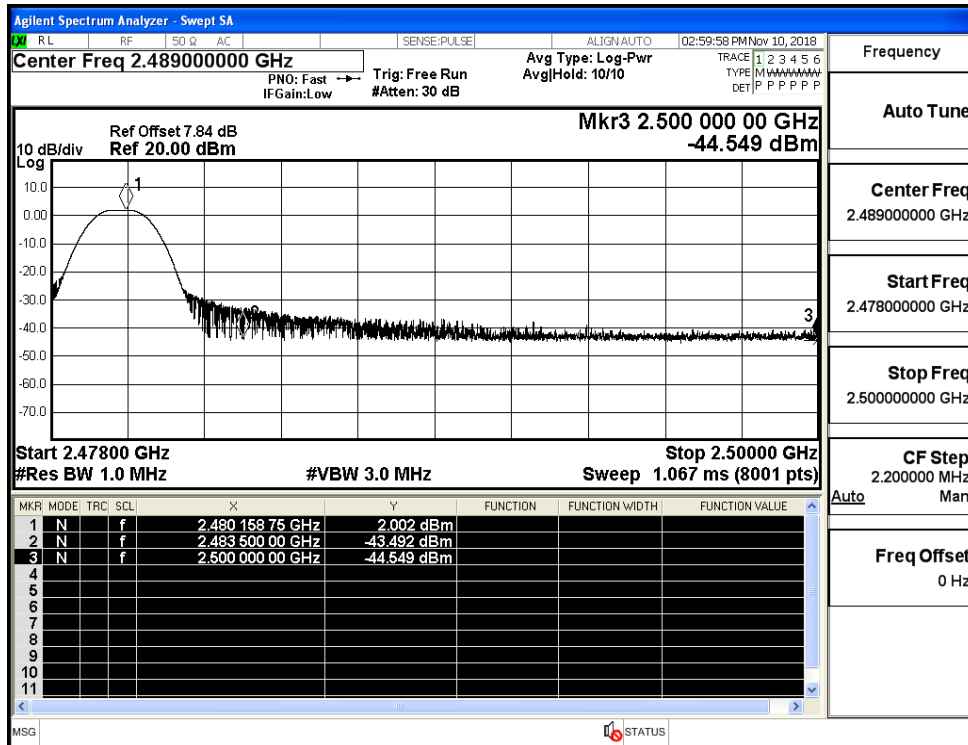
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

