

Appendix A

RF Test Data for BT V5.0 (BDR/EDR) (Conducted Measurement)

Product Name: Bluetooth Headphone with Mic / TF card

Trade Mark: N/A

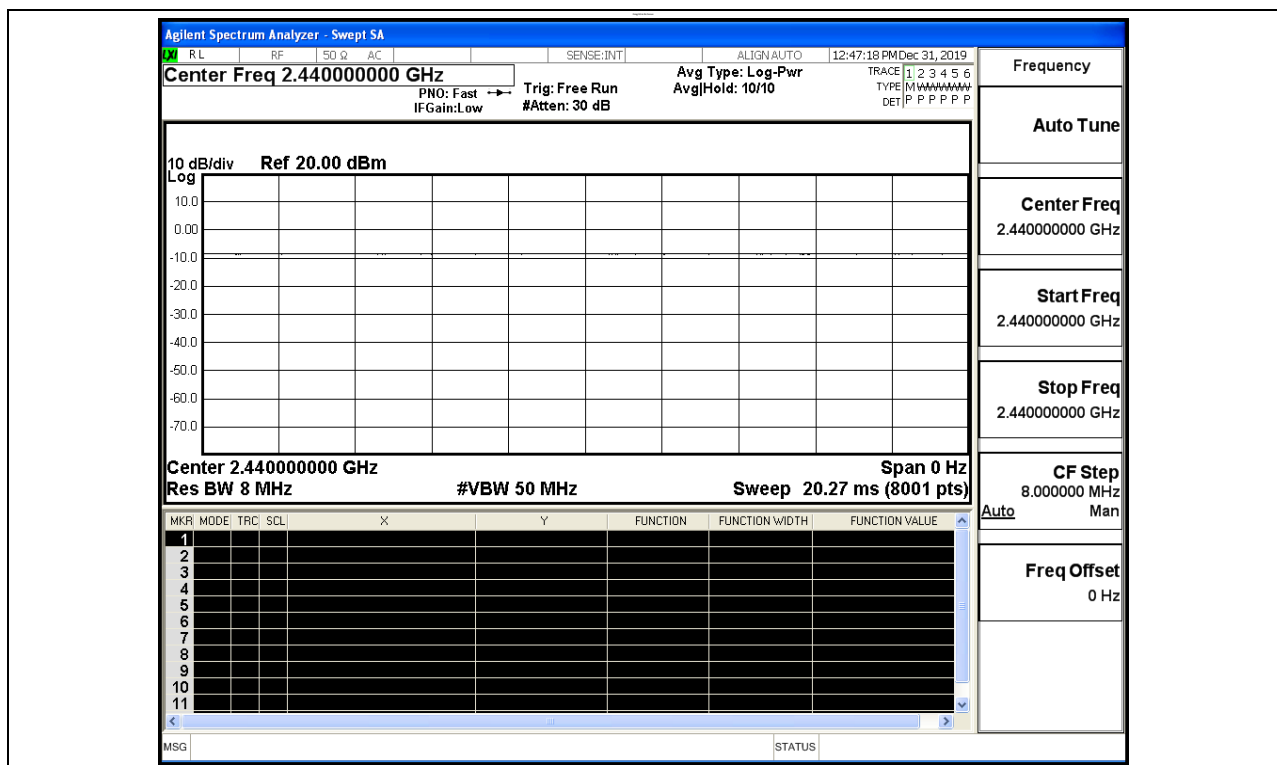
Test Model: 24250

Environmental Conditions

Temperature:	24.3 °C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Wang Chuang

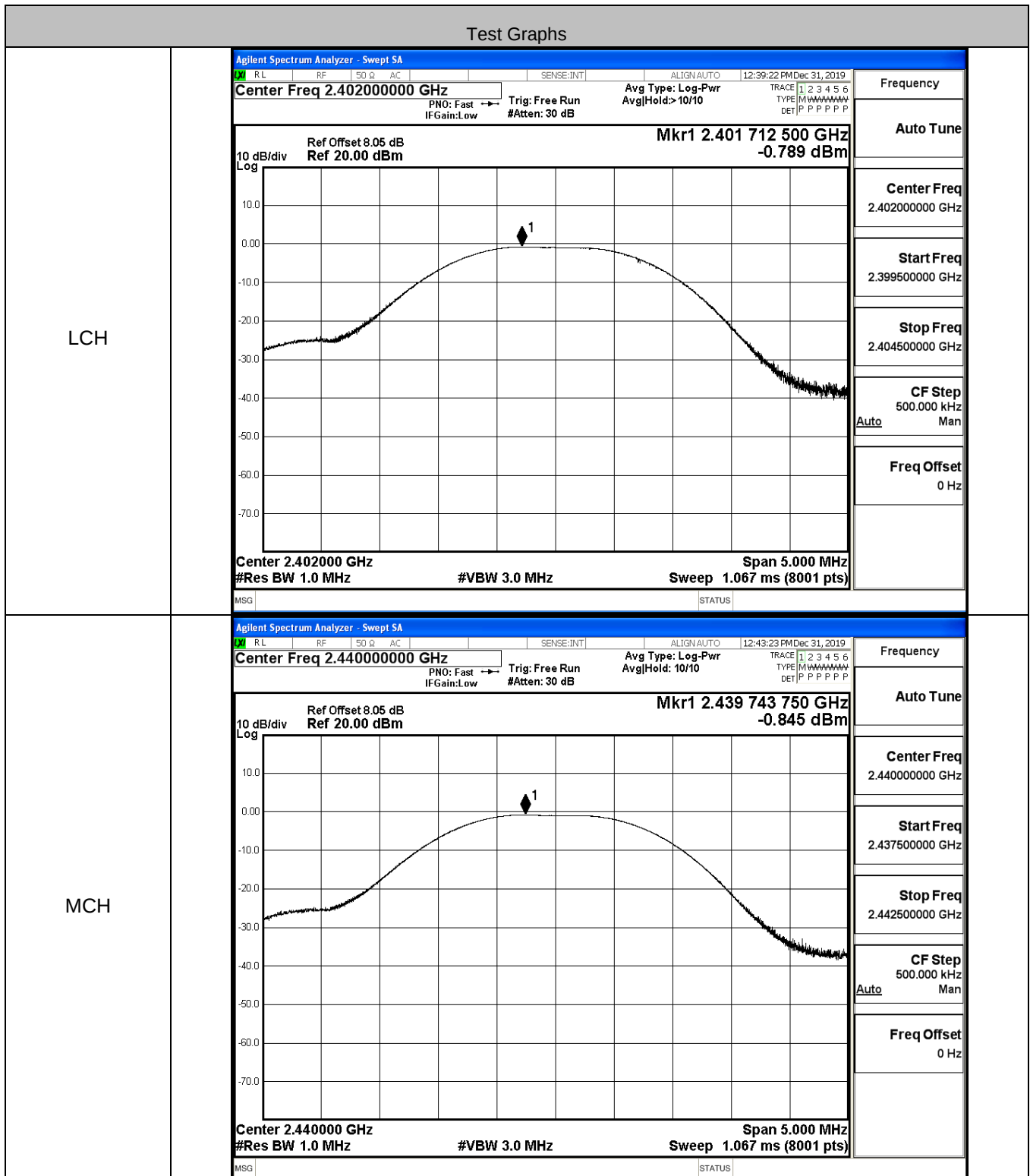
A.1 Duty Cycle

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

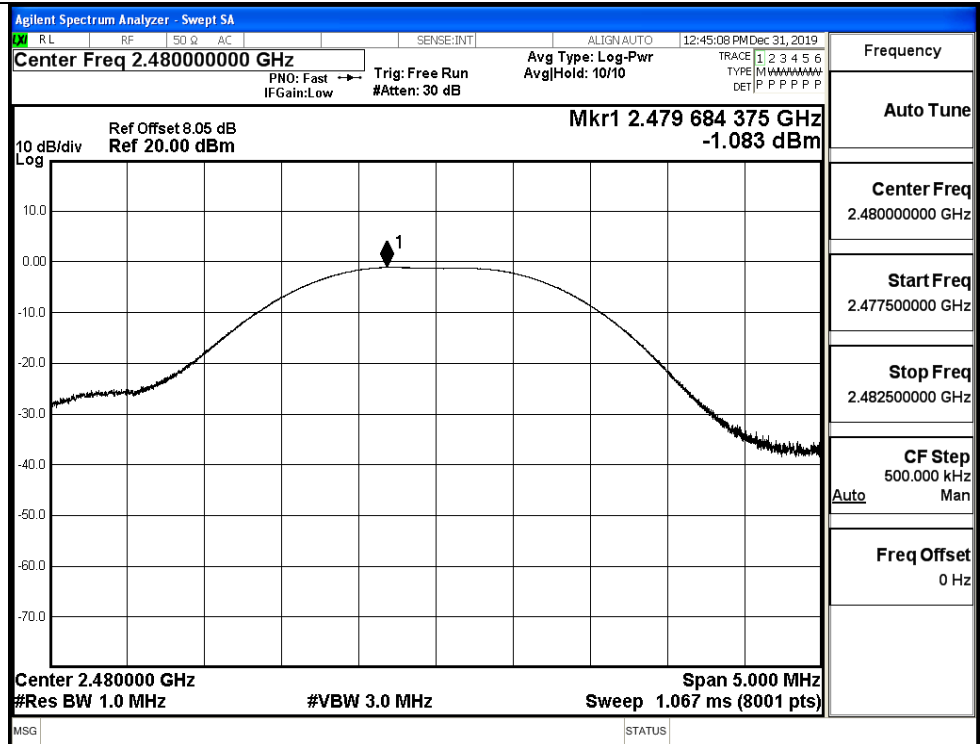


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.789	30	PASS
BT LE	MCH	-0.845	30	PASS
BT LE	HCH	-1.083	30	PASS



HCH

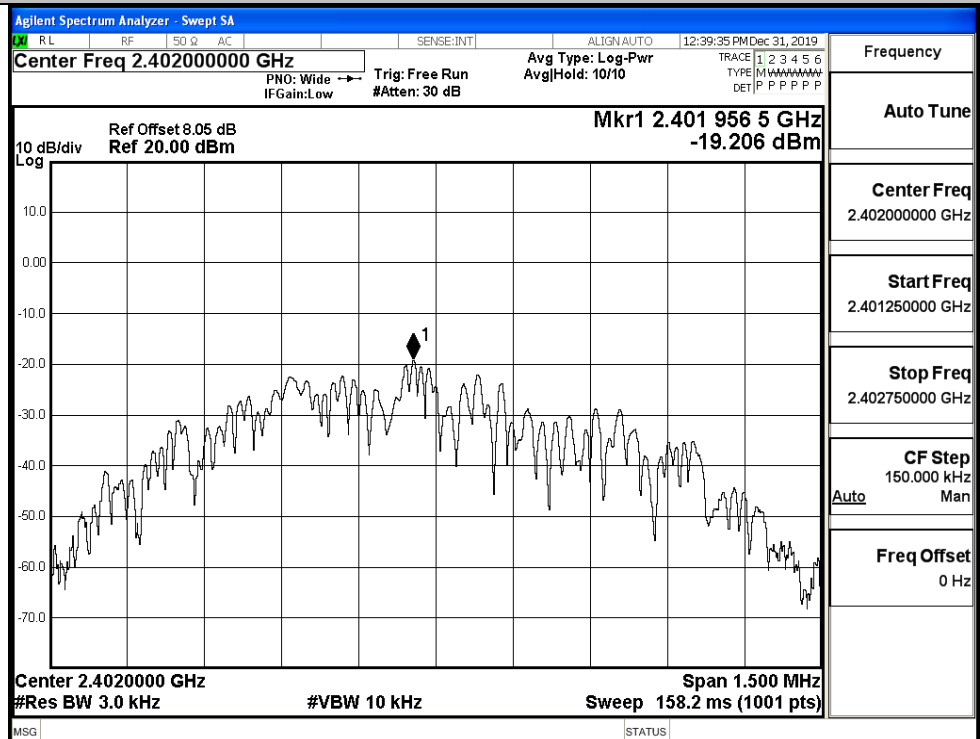


A.3 Maximum Power Spectral Density

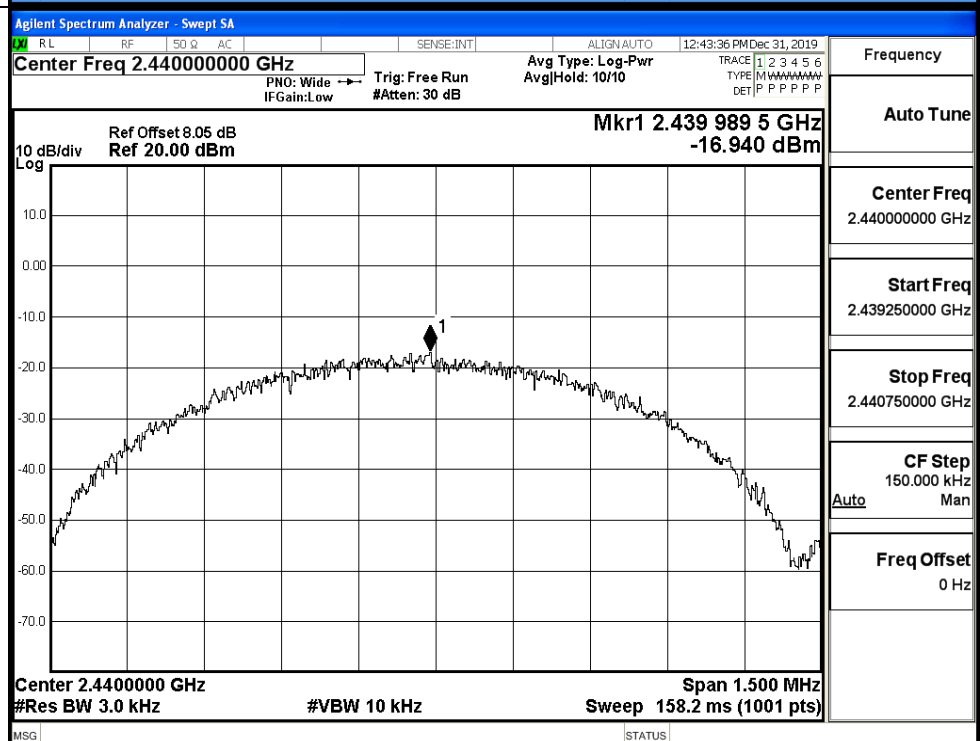
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-19.206	8	PASS
BT LE	MCH	-16.940	8	PASS
BT LE	HCH	-17.496	8	PASS

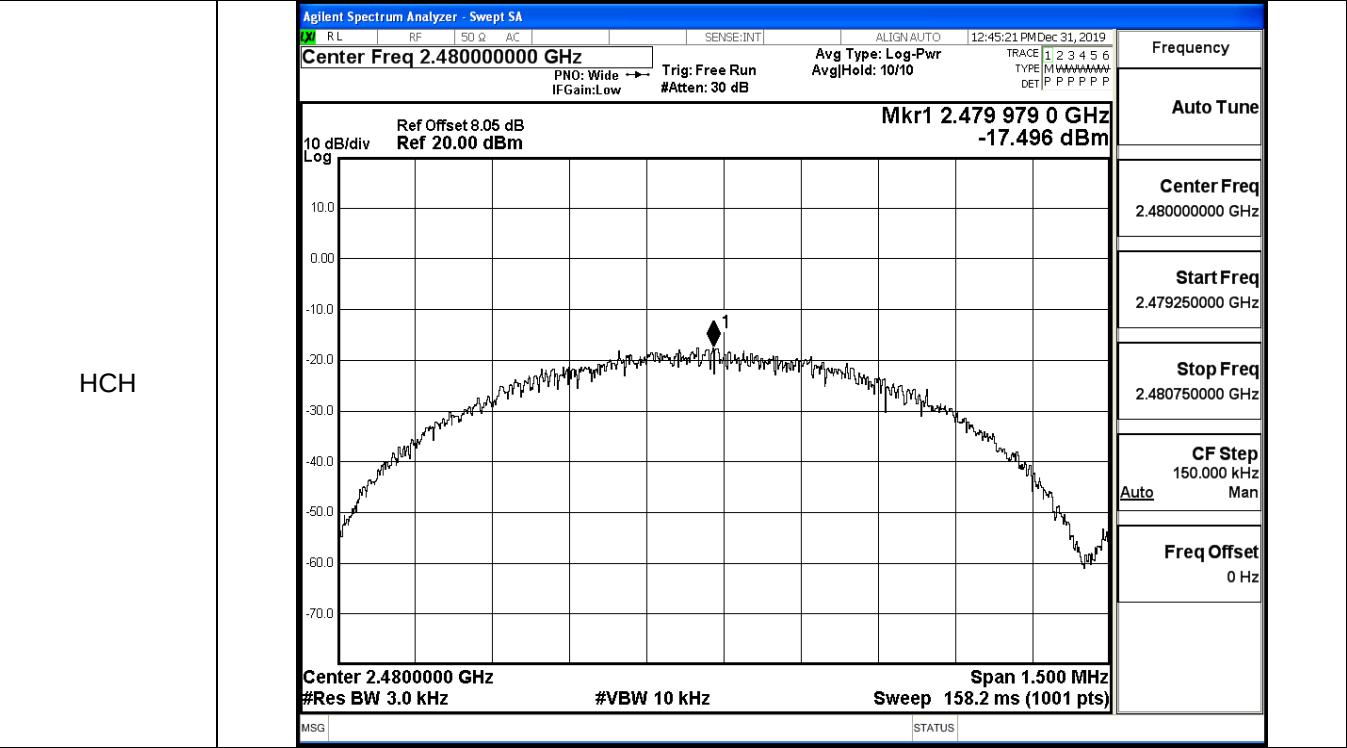
Test Graphs

LCH



MCH



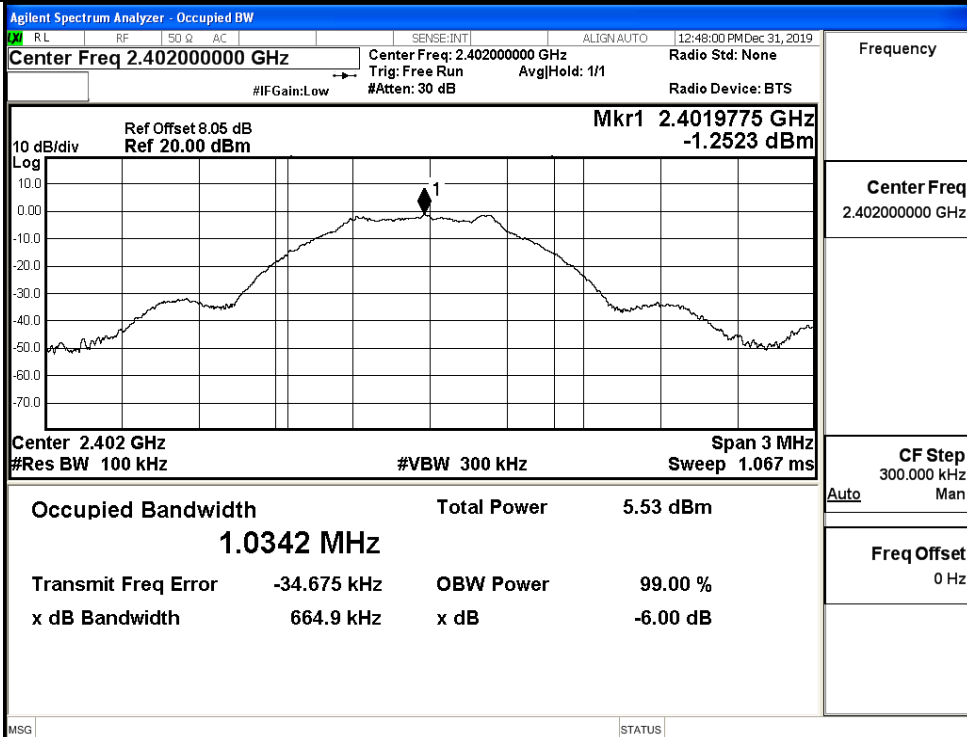


A.4 6dB Bandwidth

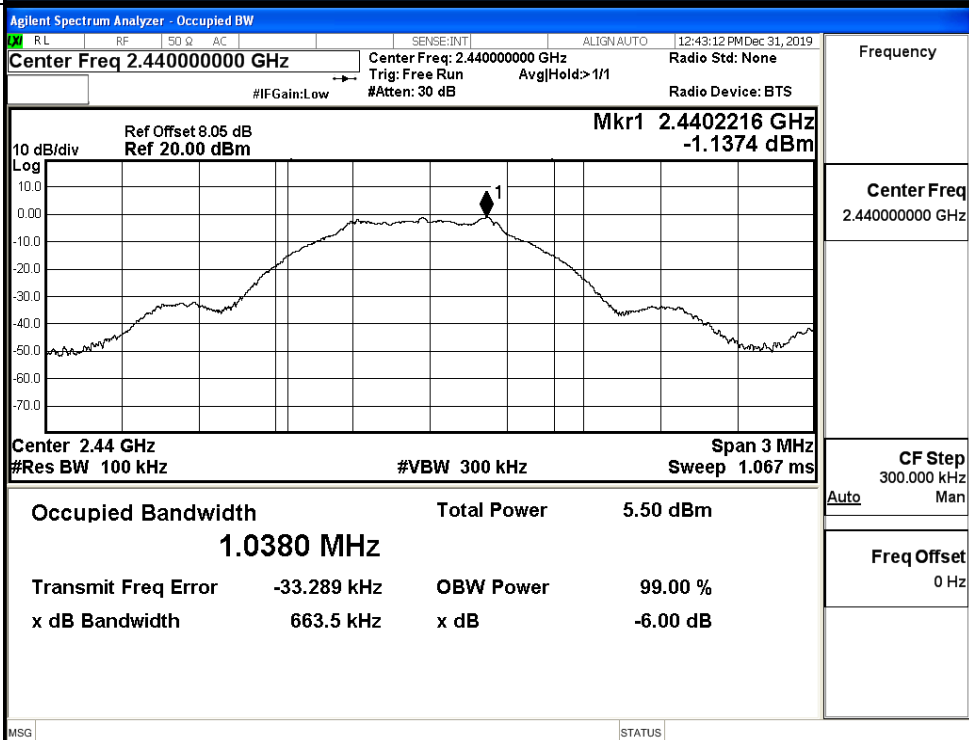
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6649	≥ 0.5	PASS
BT LE	MCH	0.6635	≥ 0.5	PASS
BT LE	HCH	0.6601	≥ 0.5	PASS

Test Graphs

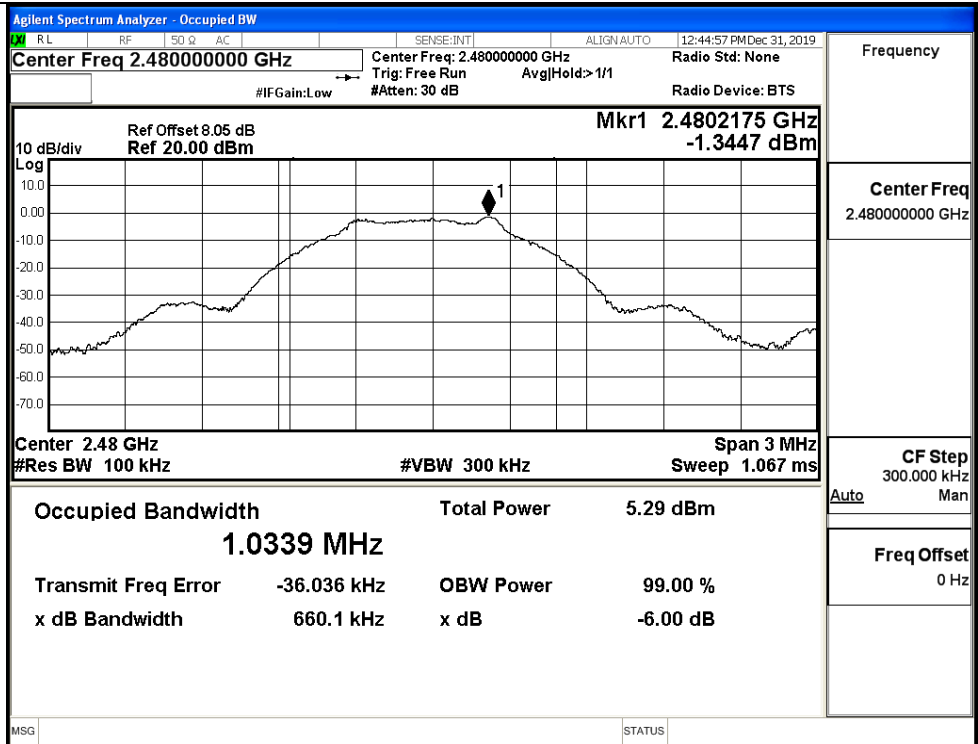
LCH



MCH



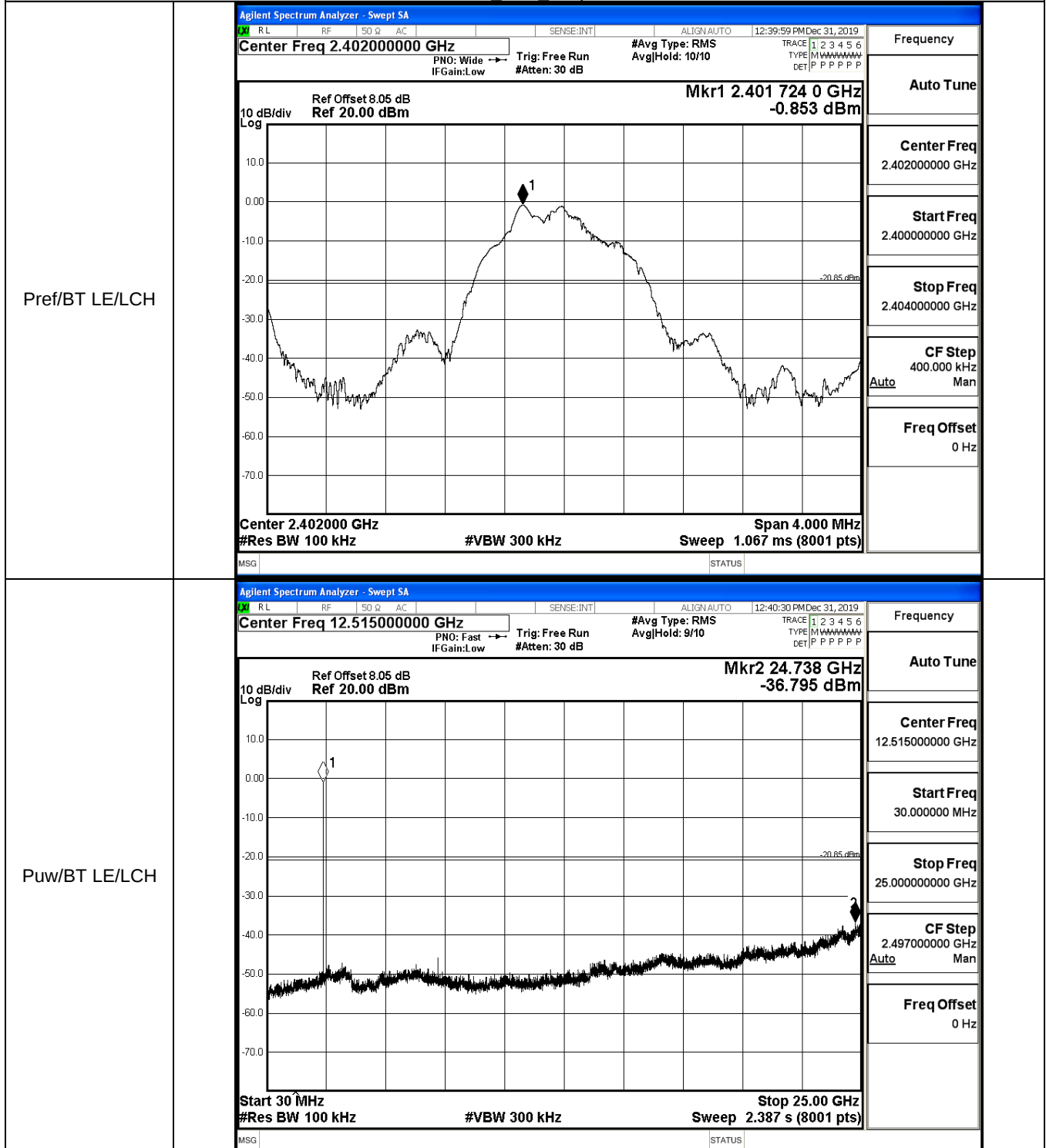
HCH



A.5 RF Conducted Spurious Emissions

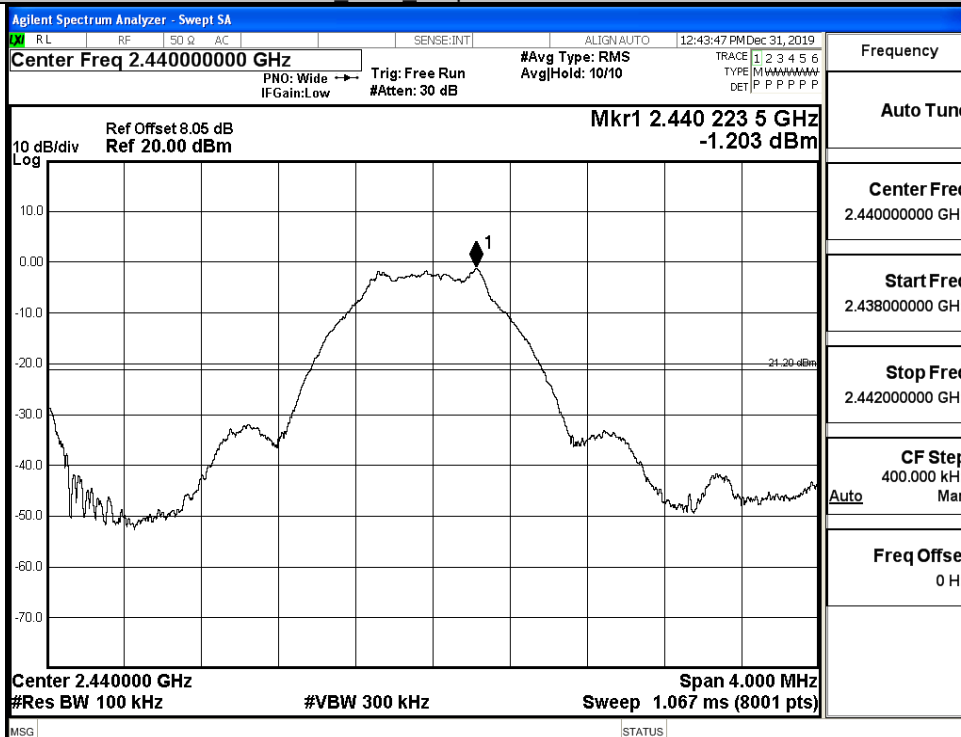
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.853	-36.795	-20.853	PASS
BT LE	MCH	-1.203	-37.158	-21.203	PASS
BT LE	HCH	-1.351	-37.365	-21.351	PASS

BT LE LCH Graphs

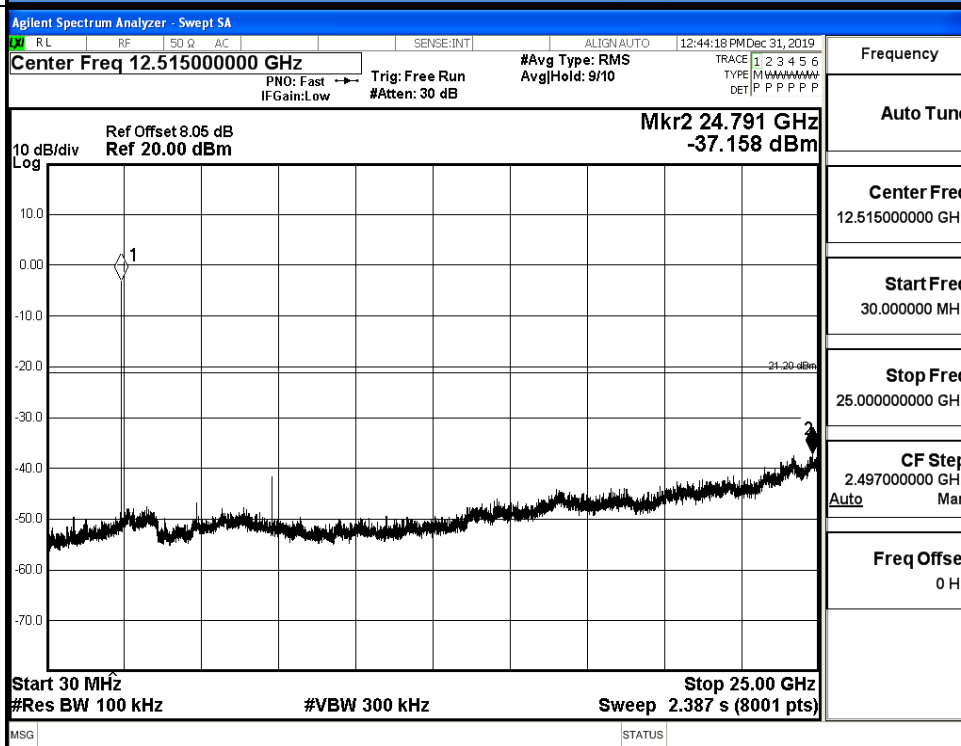


BT LE MCH Graphs

Pref/BT LE/MCH

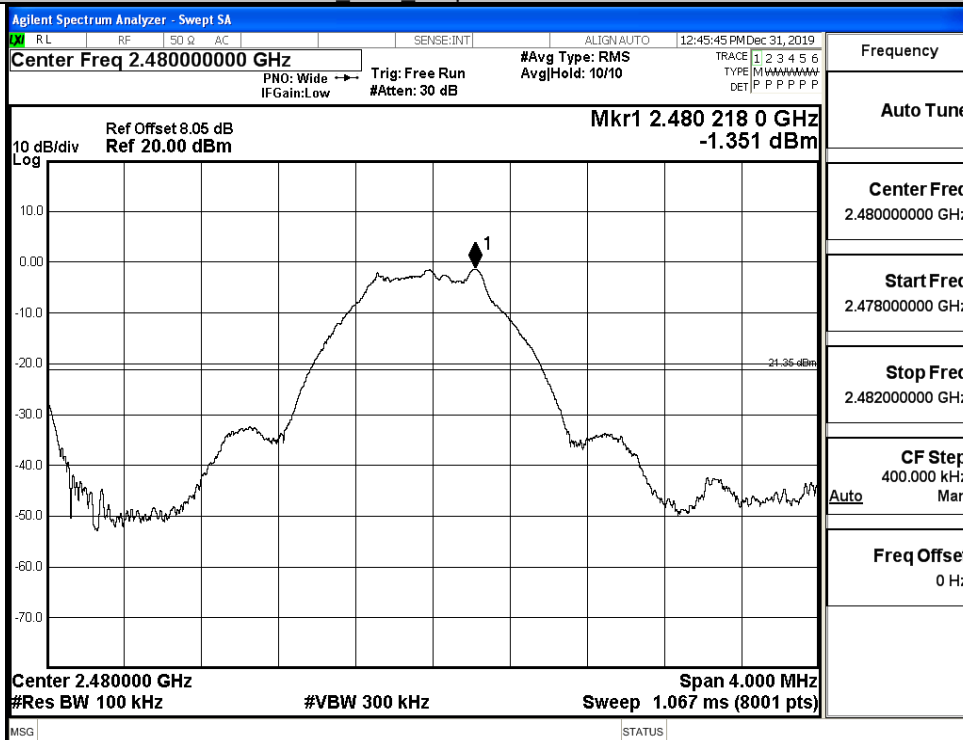


Puw/BT LE/MCH

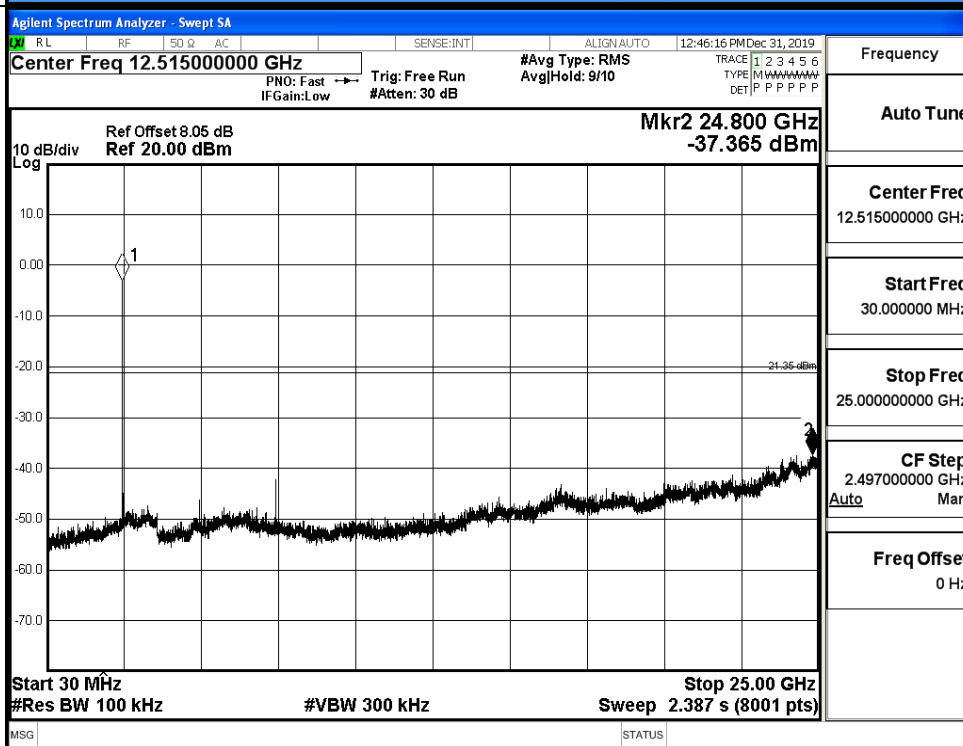


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

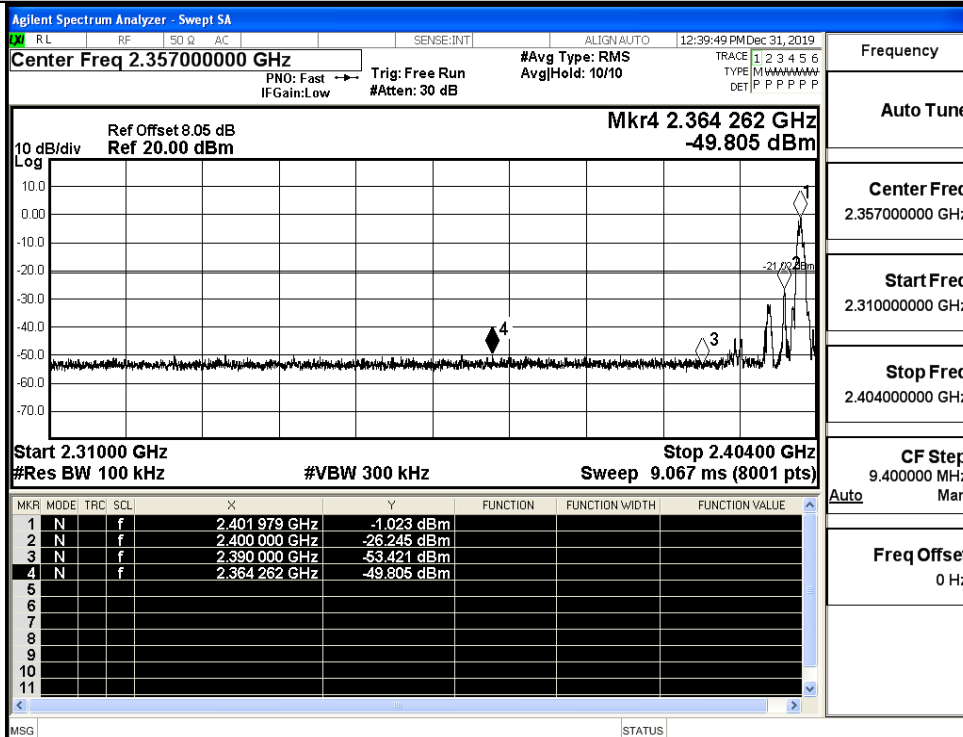


A.6 Band-edge for RF Conducted Emissions

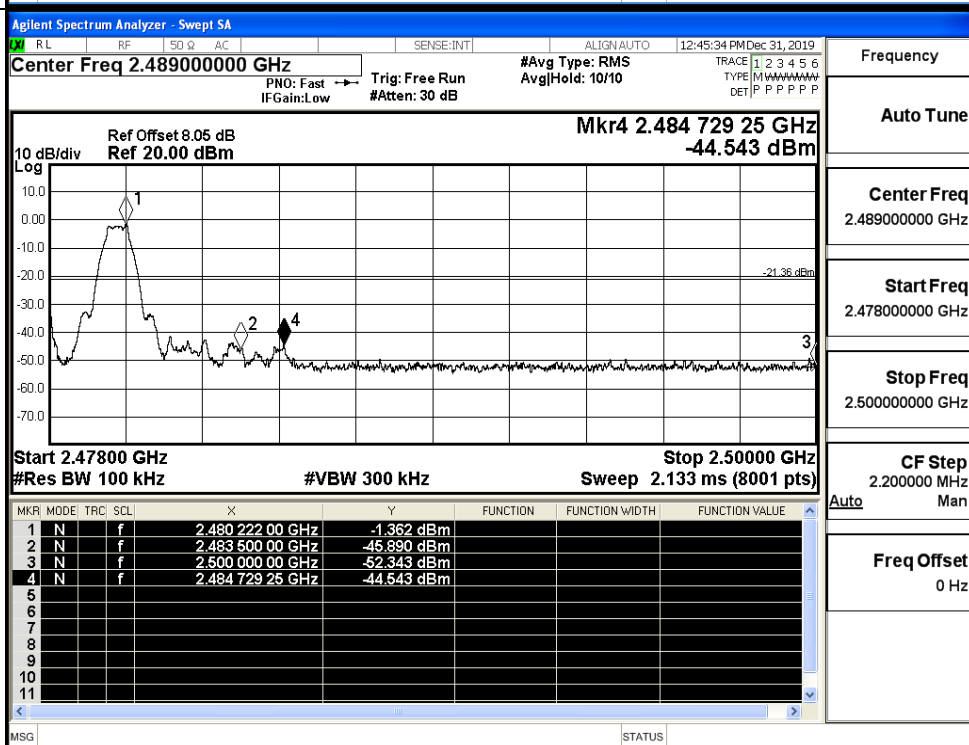
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.023	-49.805	-21.02	PASS
BT LE	HCH	-1.362	-44.543	-21.36	PASS

Test Graphs

LCH



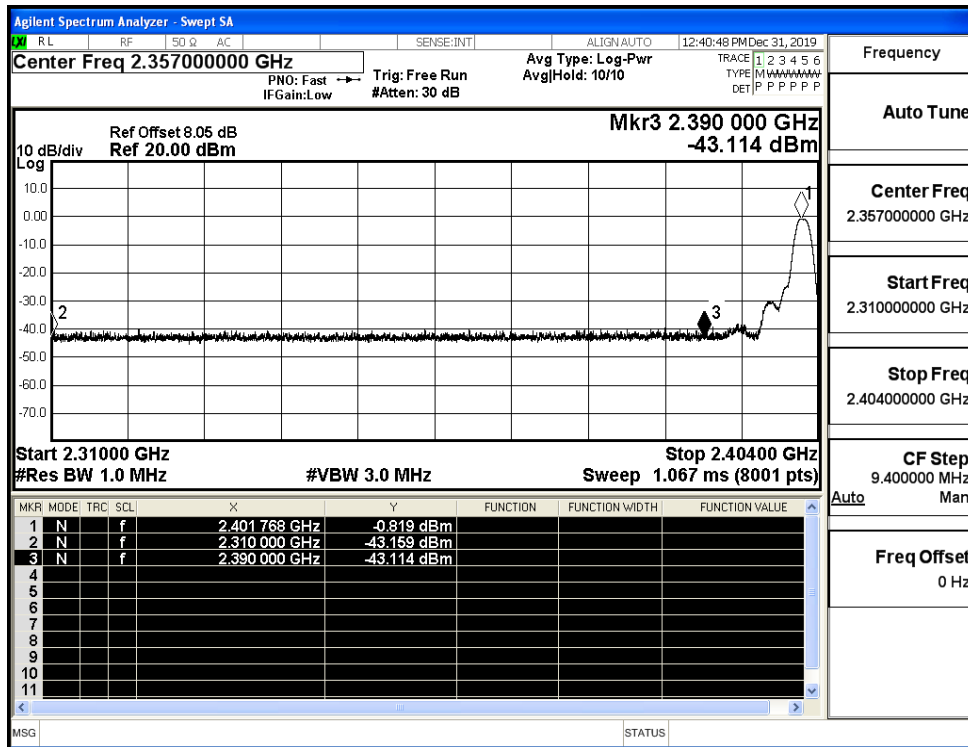
HCH



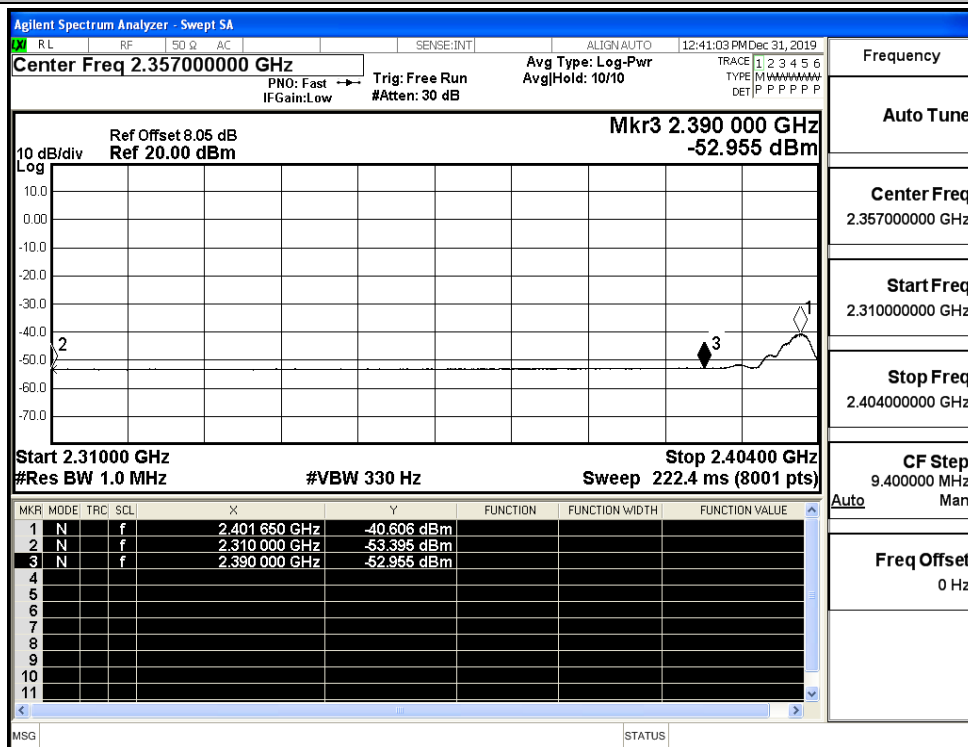
A.7 Restrict-band band-edge measurements

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	-43.16	2.0	0	54.10	PEAK	74	PASS
		Ant1	2310.0	-53.40	2.0	0	43.86	AV	54	PASS
		Ant1	2390.0	-43.11	2.0	0	54.14	PEAK	74	PASS
		Ant1	2390.0	-52.96	2.0	0	44.30	AV	54	PASS
	2480	Ant1	2483.5	-37.35	2.0	0	59.91	PEAK	74	PASS
		Ant1	2483.5	-46.98	2.0	0	50.28	AV	54	PASS
		Ant1	2500.0	-41.64	2.0	0	55.62	PEAK	74	PASS
		Ant1	2500.0	-52.22	2.0	0	45.04	AV	54	PASS

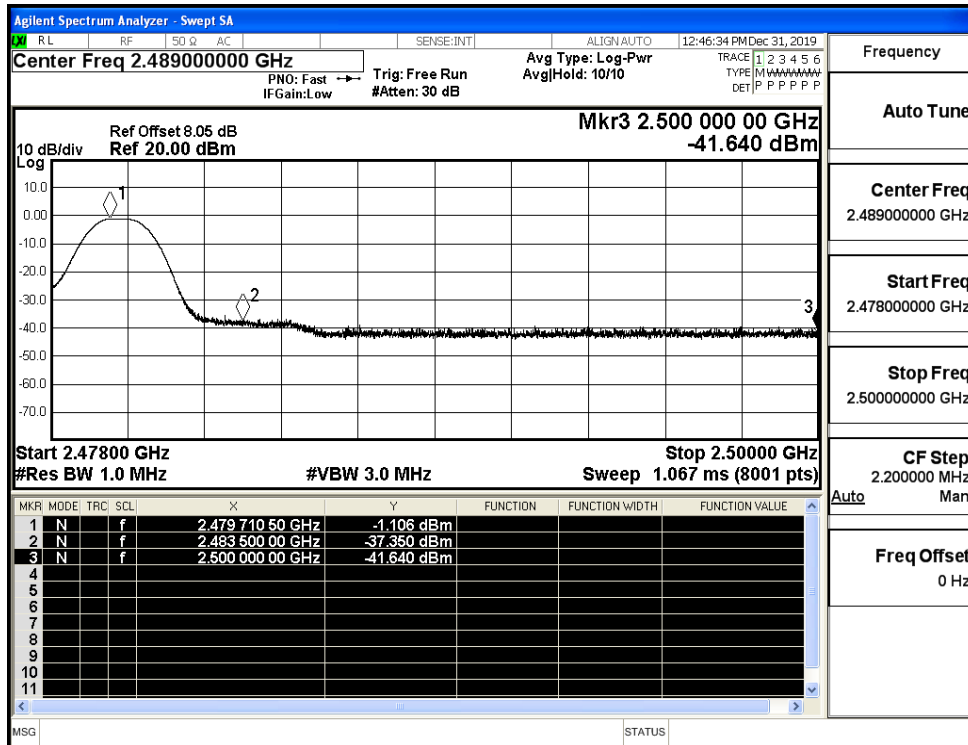
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

