

Appendix B

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

Product Name: Wireless Mouse

Trade Mark: N/A

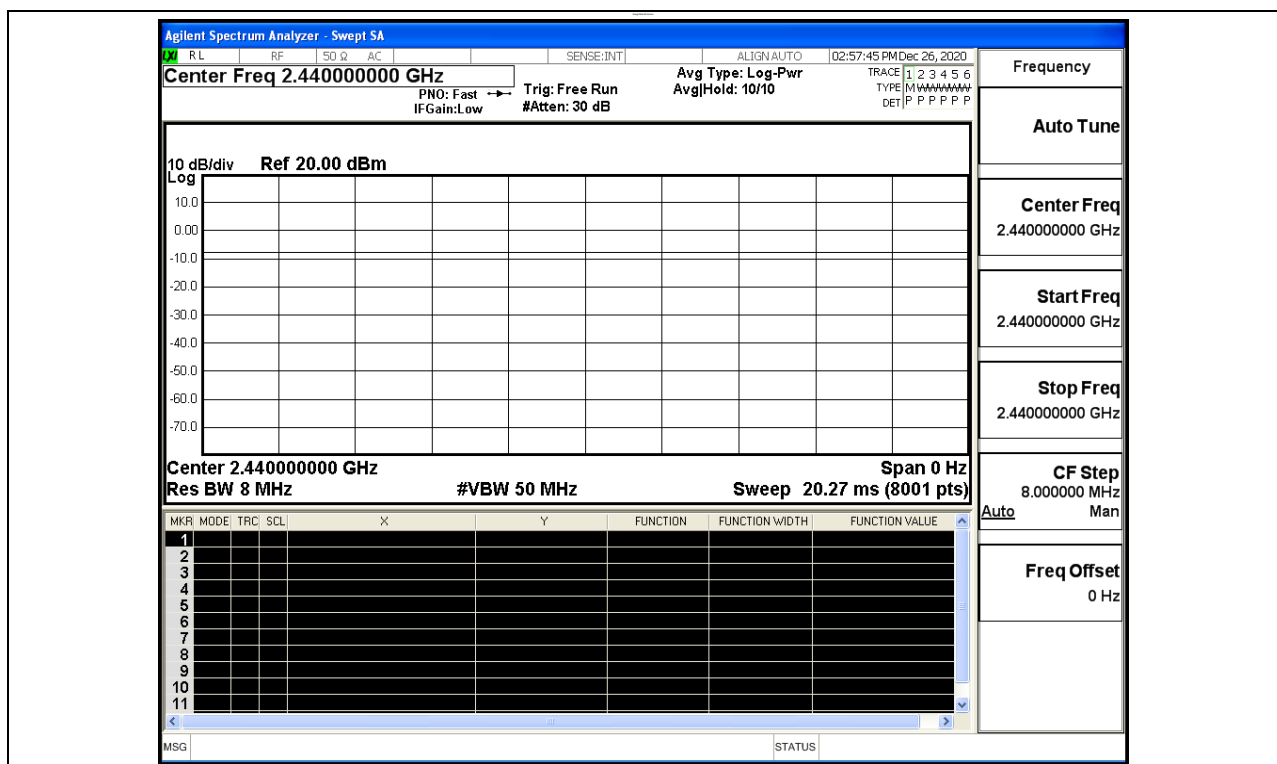
Test Model: MC221

Environmental Conditions

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

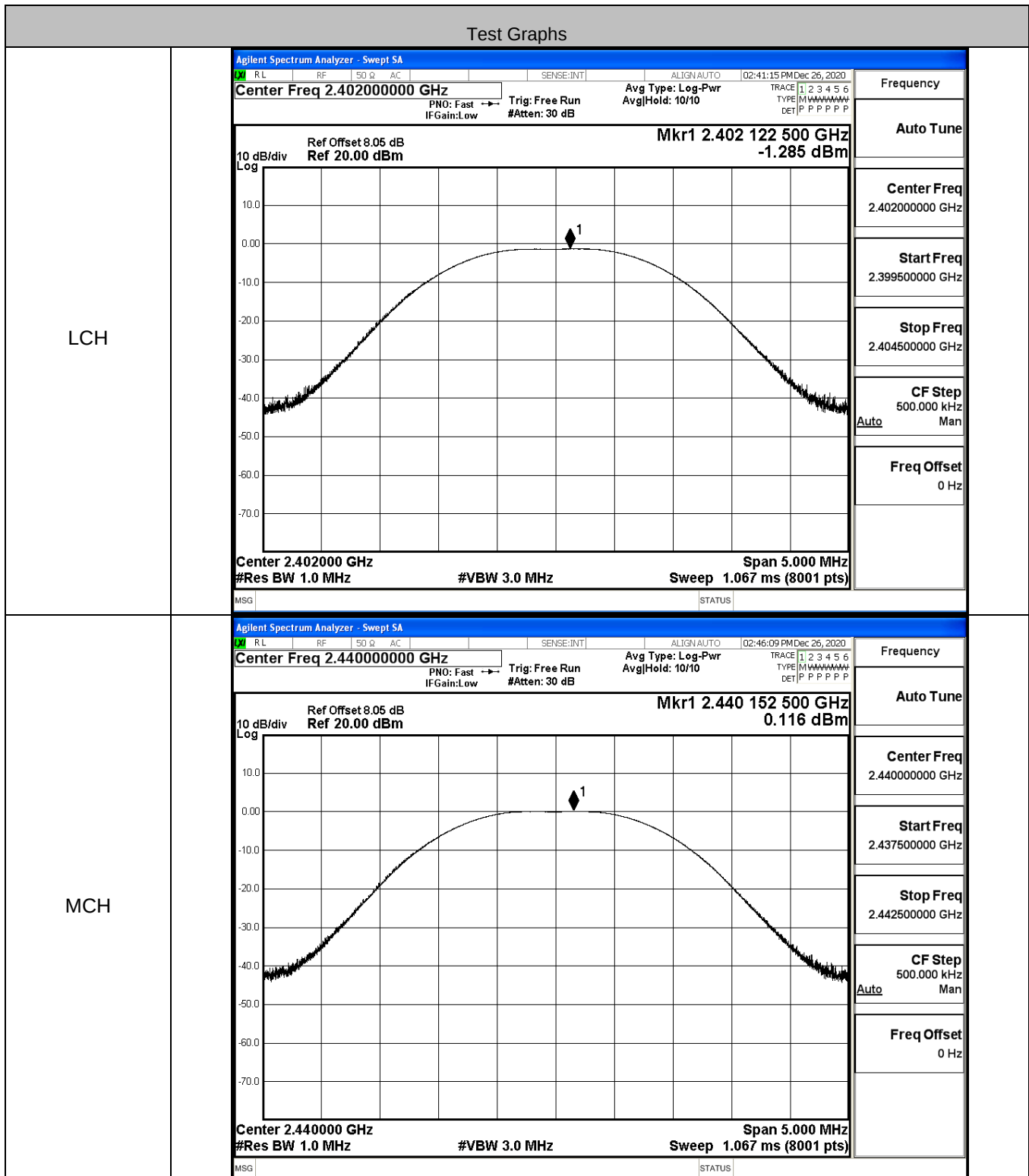
B.1 Duty Cycle

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	-1.285	30	PASS
BT LE	MCH	0.116	30	PASS
BT LE	HCH	-1.5	30	PASS



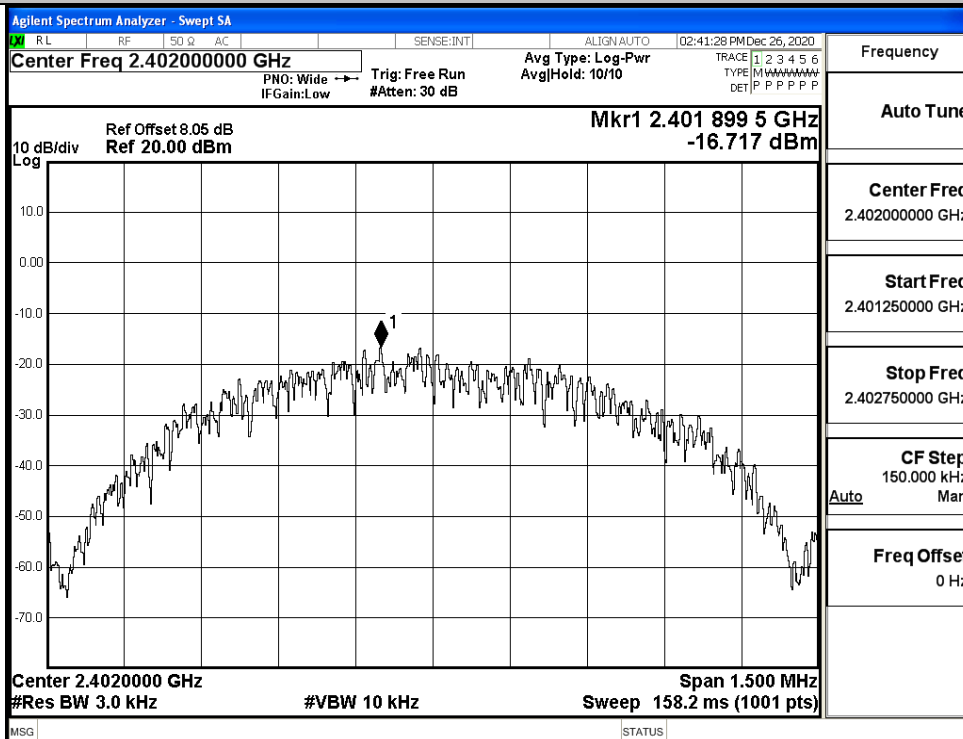


B.3 Maximum Power Spectral Density

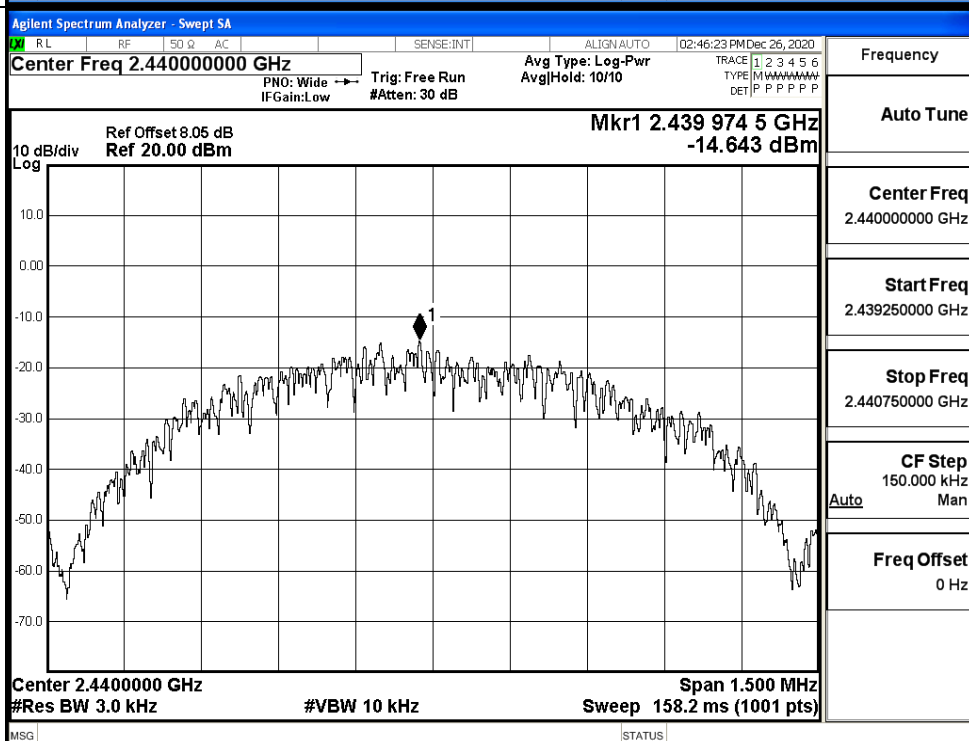
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.717	8	PASS
BT LE	MCH	-14.643	8	PASS
BT LE	HCH	-16.526	8	PASS

Test Graphs

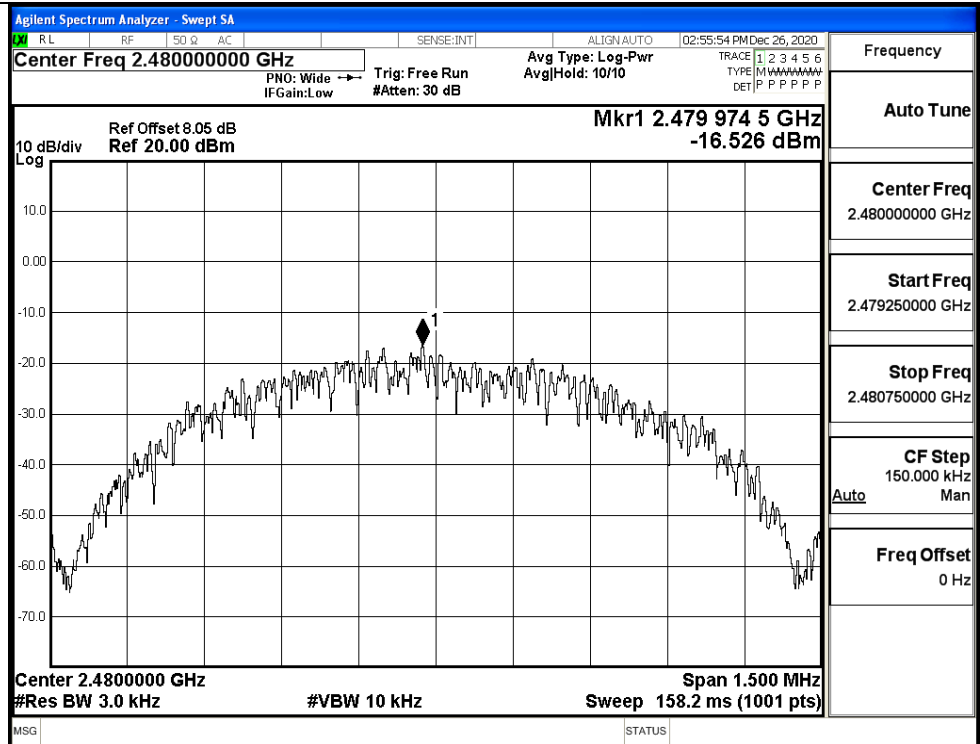
LCH



MCH



HCH

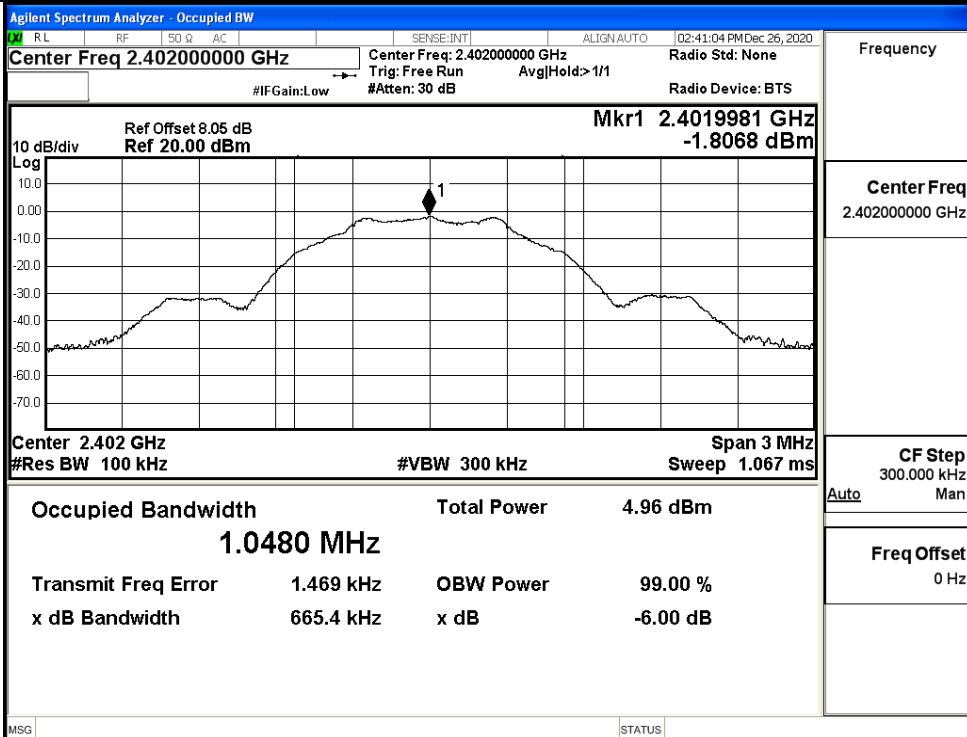


B.4 6dB Bandwidth

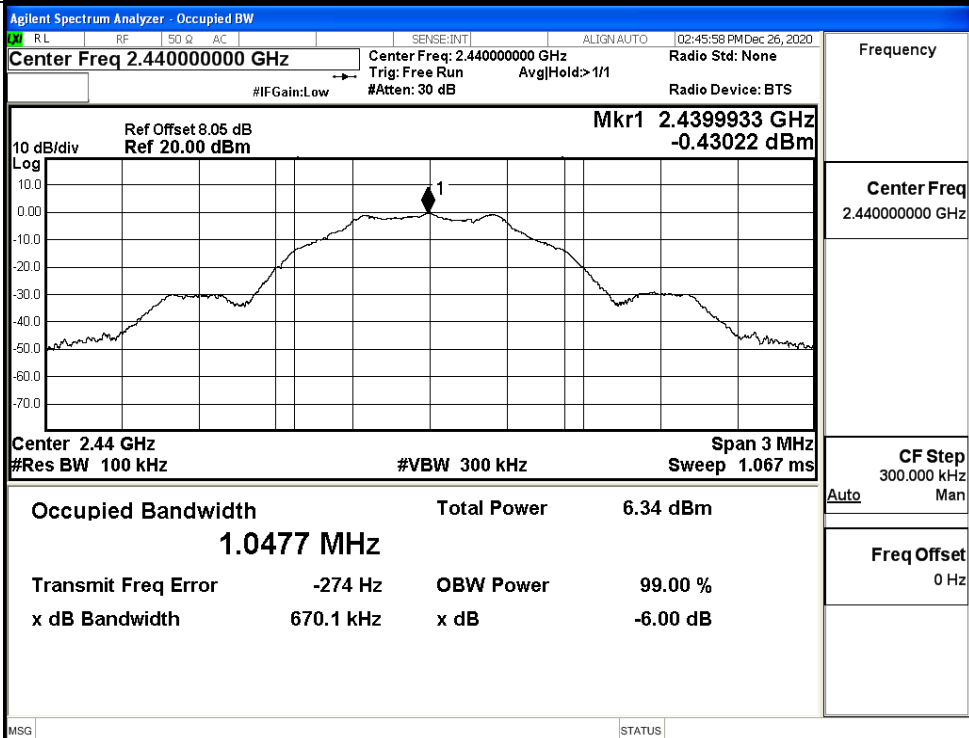
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6654	≥ 0.5	PASS
BT LE	MCH	0.6701	≥ 0.5	PASS
BT LE	HCH	0.6702	≥ 0.5	PASS

Test Graphs

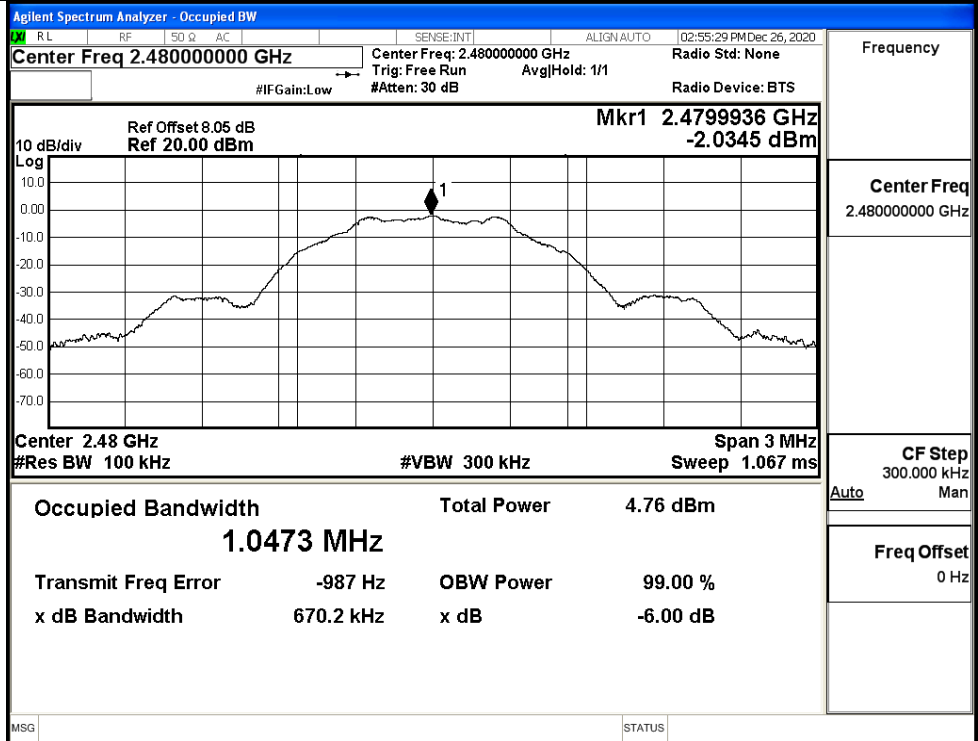
LCH



MCH



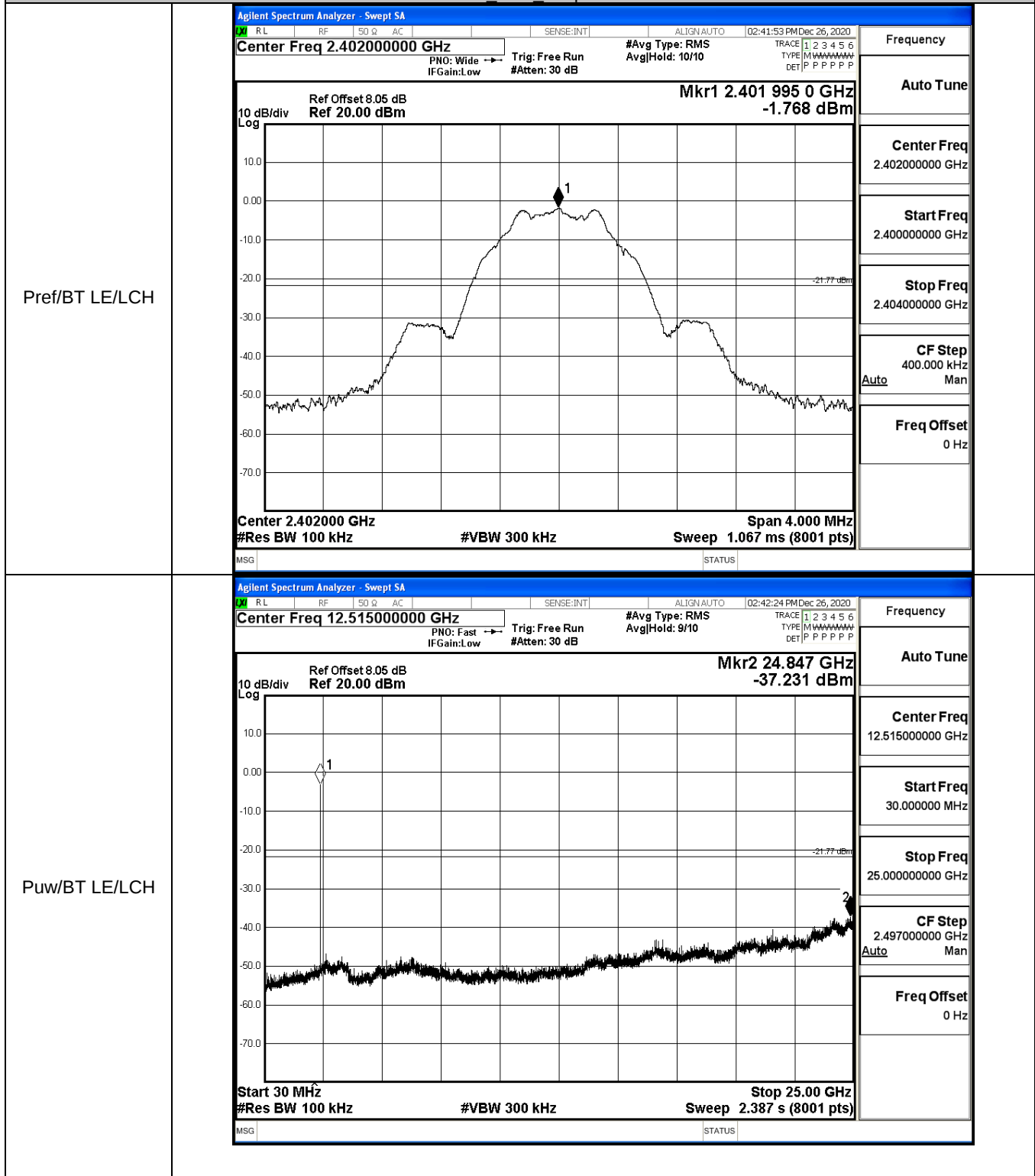
HCH



B.5 RF Conducted Spurious Emissions

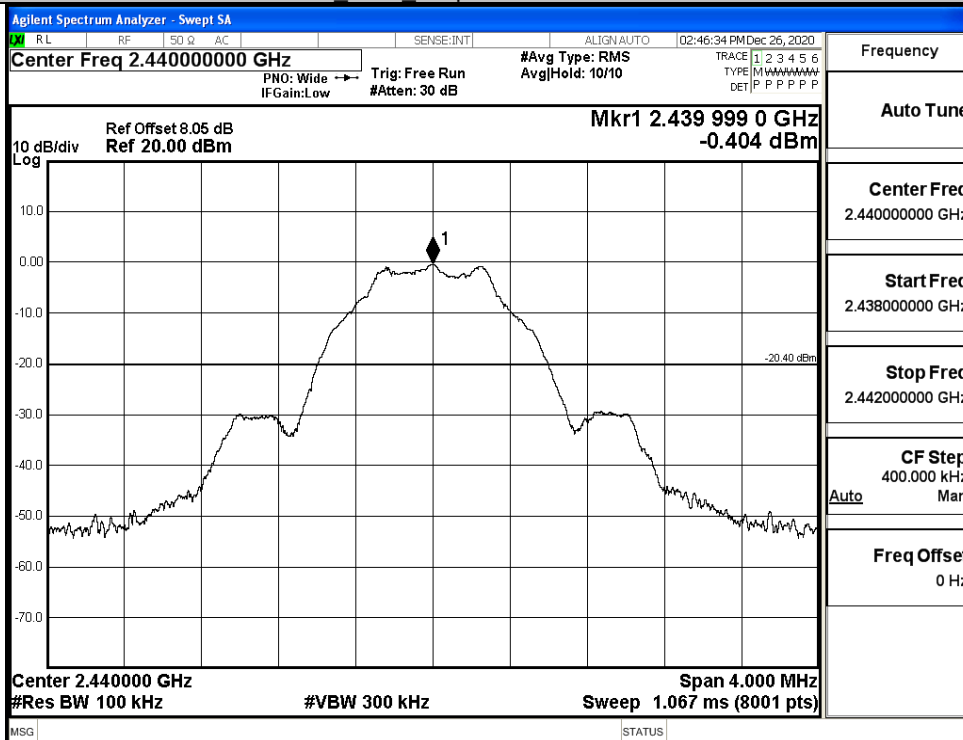
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.768	-37.231	-21.768	PASS
BT LE	MCH	-0.404	-37.305	-20.404	PASS
BT LE	HCH	-2.024	-36.619	-22.024	PASS

BT LE LCH Graphs

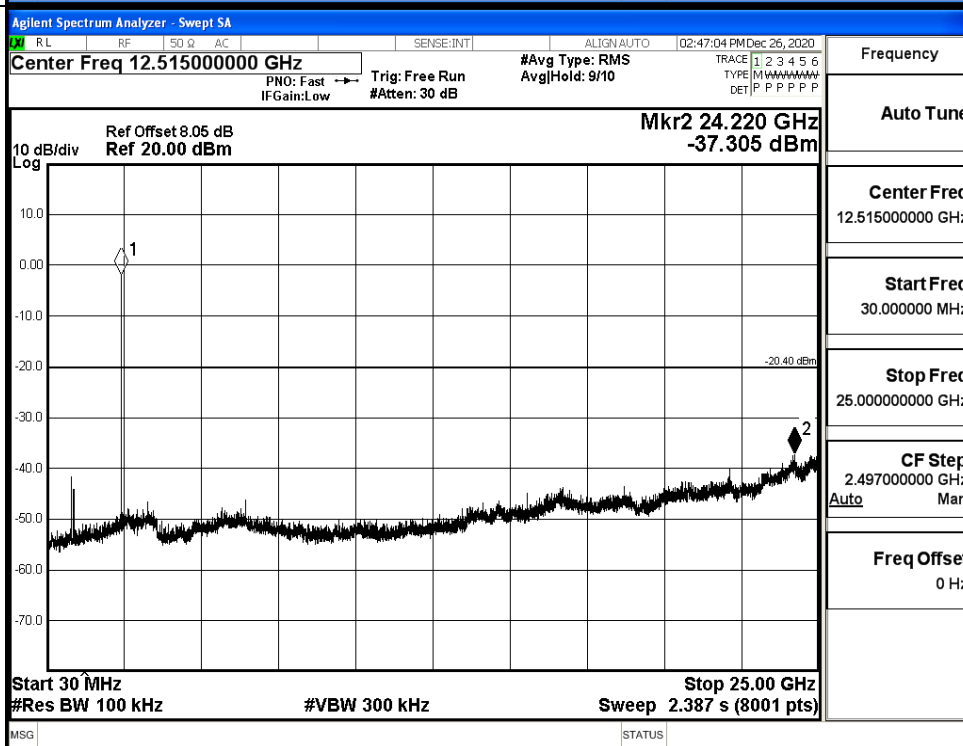


BT LE MCH Graphs

Pref/BT LE/MCH

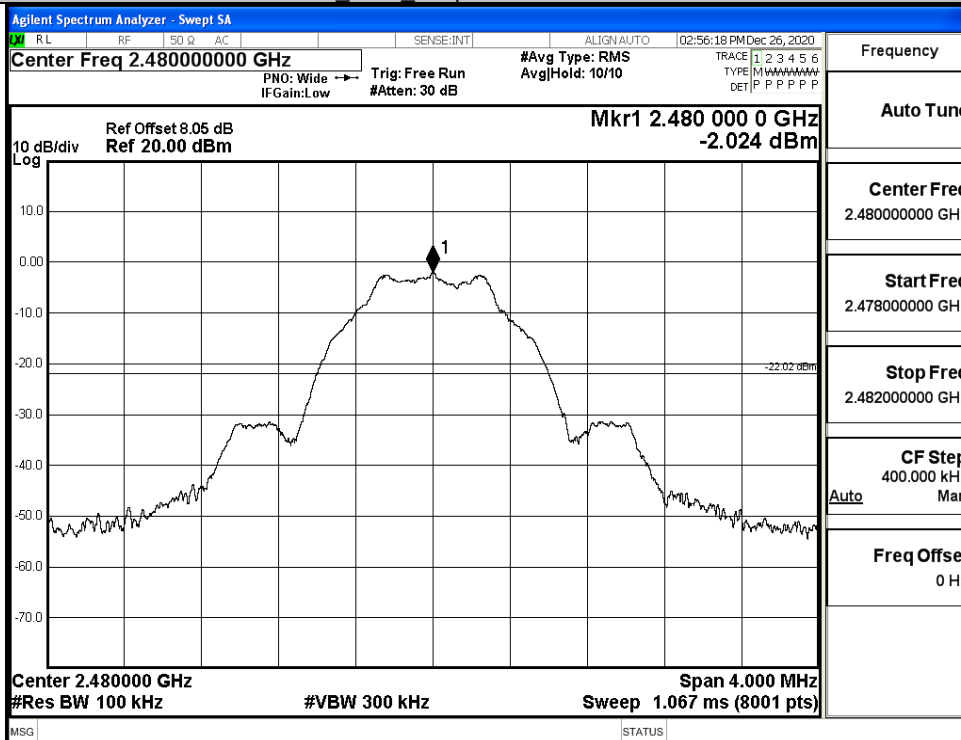


Puw/BT LE/MCH

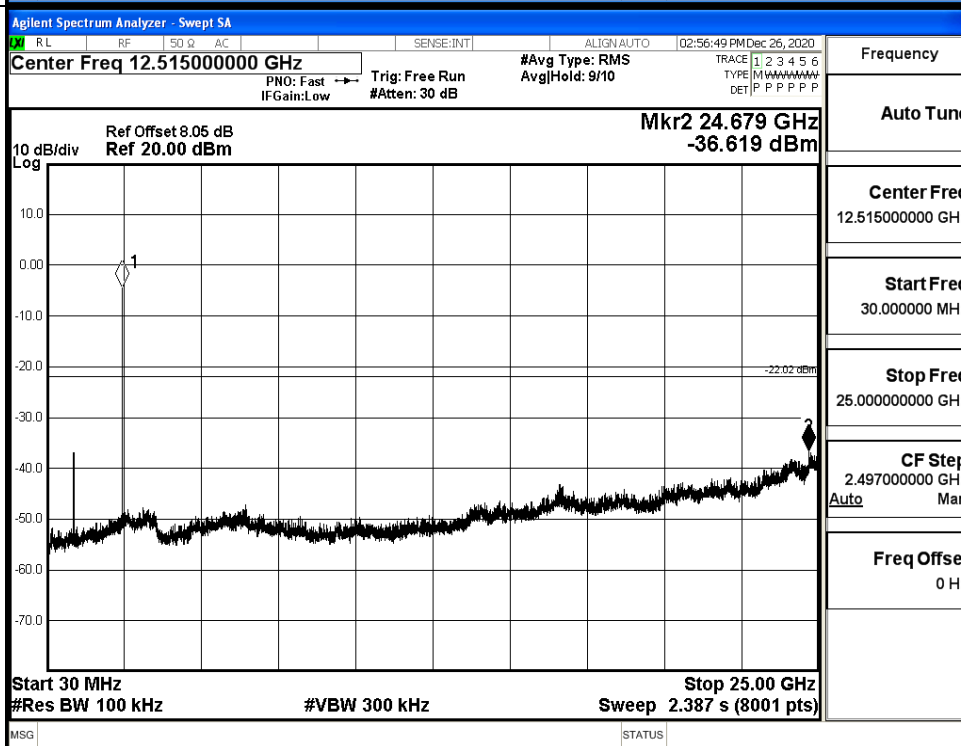


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

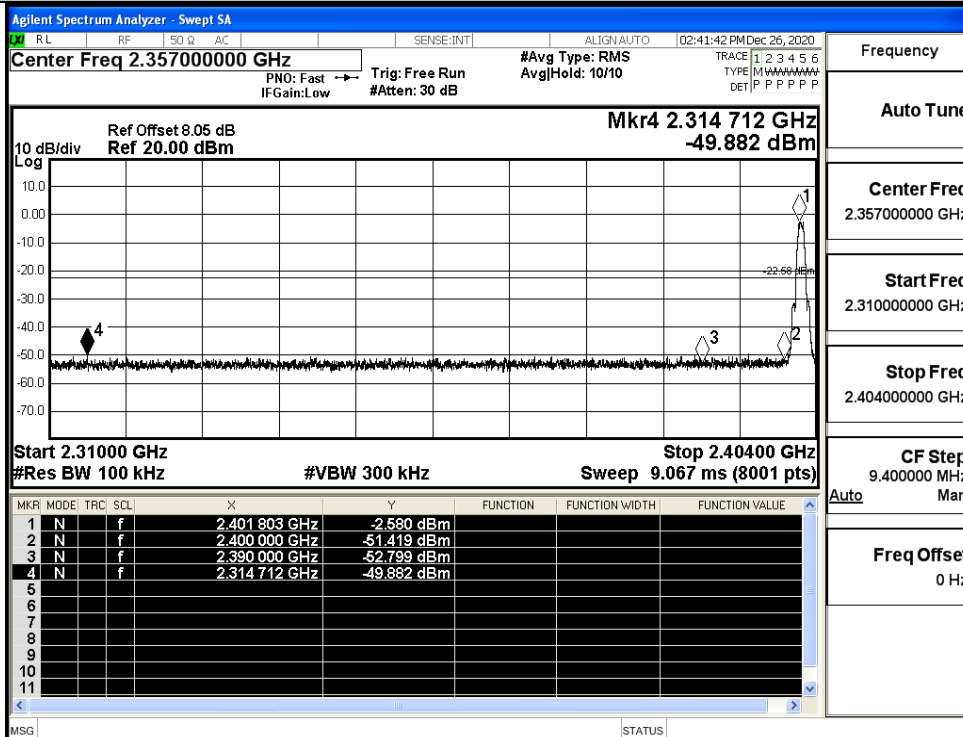


B.6 Band-edge for RF Conducted Emissions

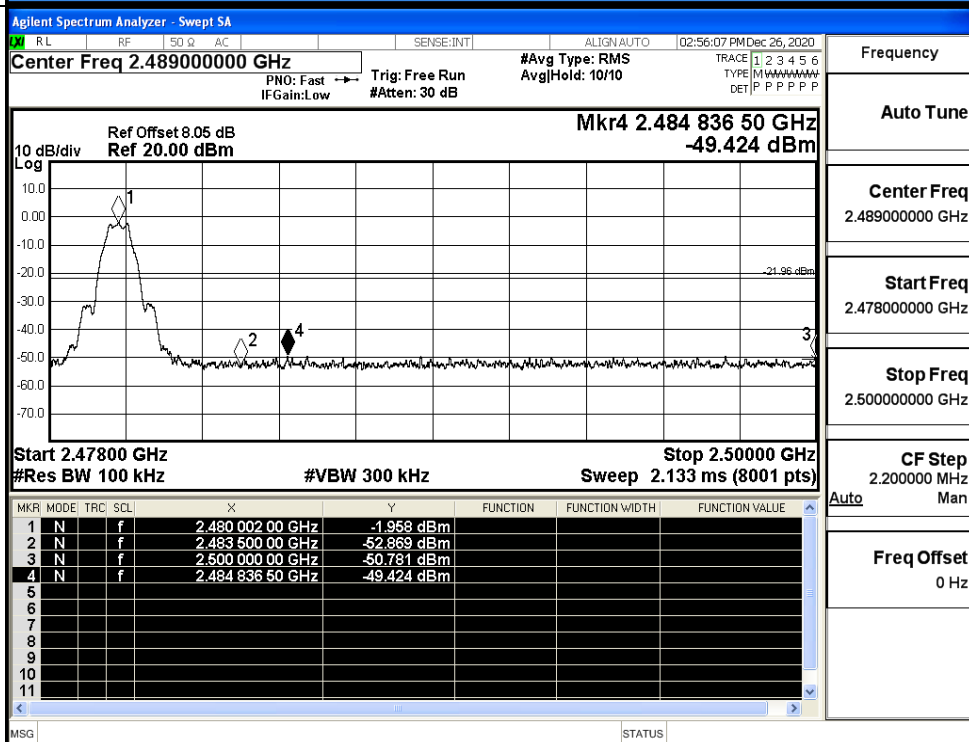
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.580	-49.882	-22.58	PASS
BT LE	HCH	-1.958	-49.424	-21.96	PASS

Test Graphs

LCH



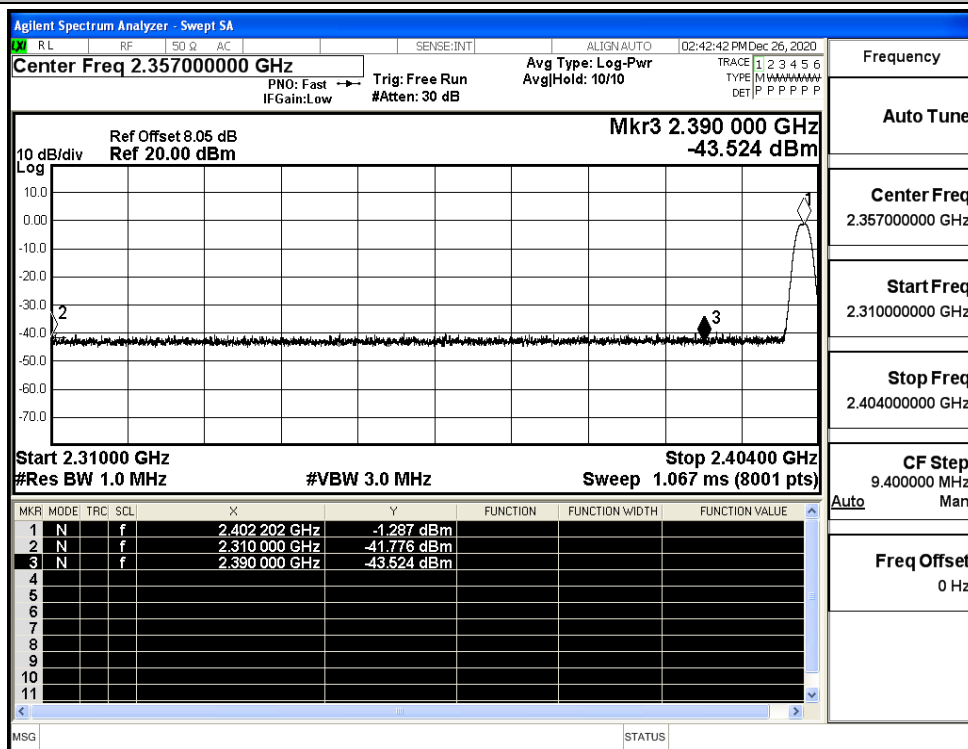
HCH



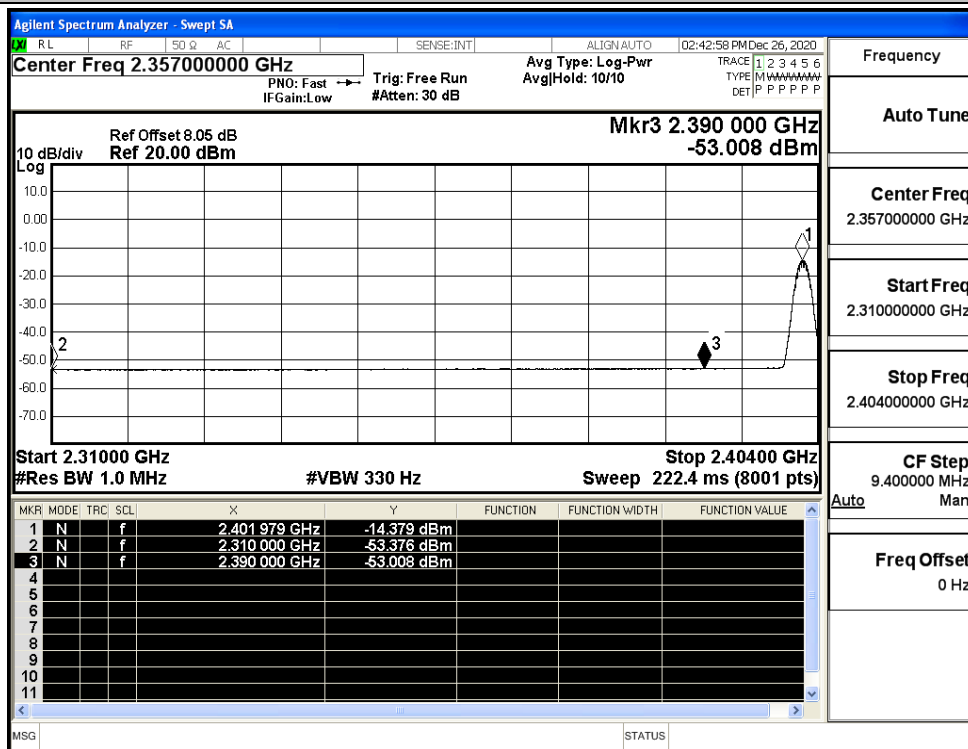
B.7 Restrict-band band-edge measurements

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	-41.78	2.0	0	53.48	PEAK	74	PASS
		Ant1	2310.0	-53.38	2.0	0	41.88	AV	54	PASS
		Ant1	2390.0	-43.52	2.0	0	51.73	PEAK	74	PASS
		Ant1	2390.0	-53.01	2.0	0	42.25	AV	54	PASS
	2480	Ant1	2483.5	-41.65	2.0	0	53.61	PEAK	74	PASS
		Ant1	2483.5	-52.56	2.0	0	42.70	AV	54	PASS
		Ant1	2500.0	-41.69	2.0	0	53.56	PEAK	74	PASS
		Ant1	2500.0	-52.42	2.0	0	42.83	AV	54	PASS

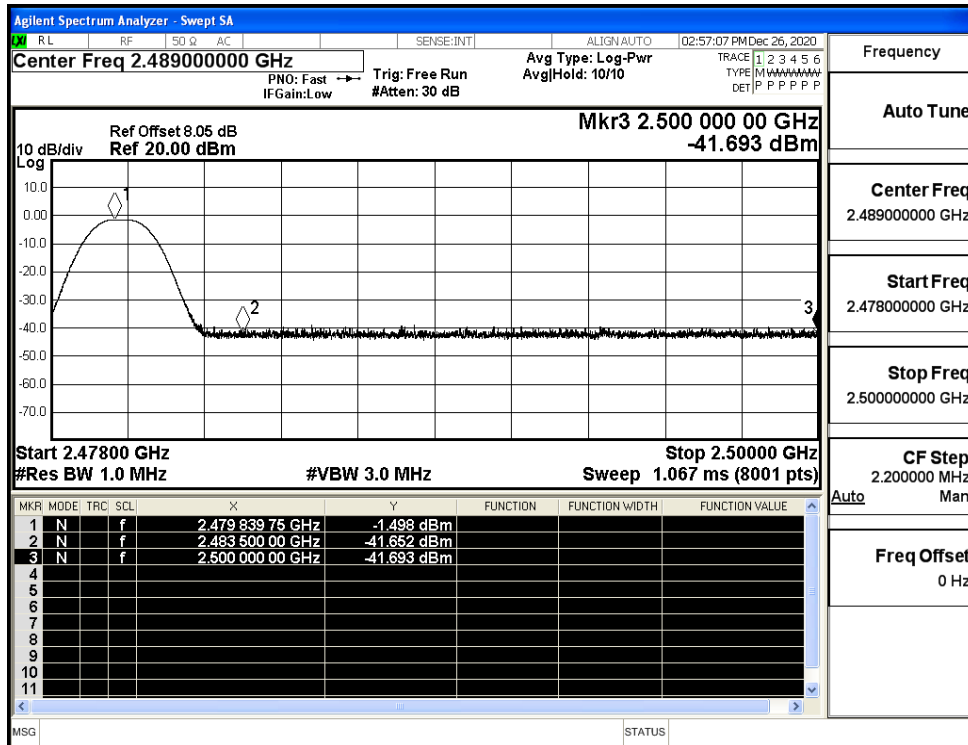
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

