

Appendix B

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

Product Name: TABLET PC

Trade Mark: PC SMART

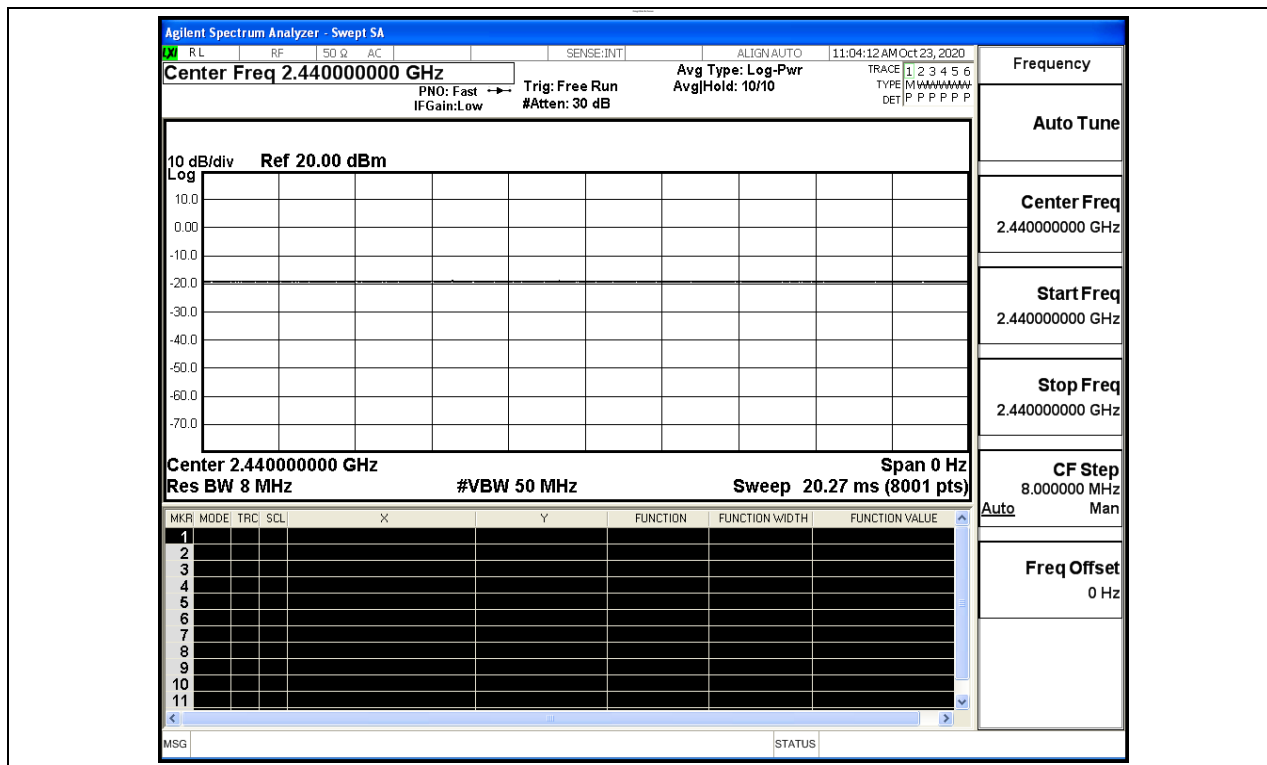
Test Model:PCSGOB10LTE-V2

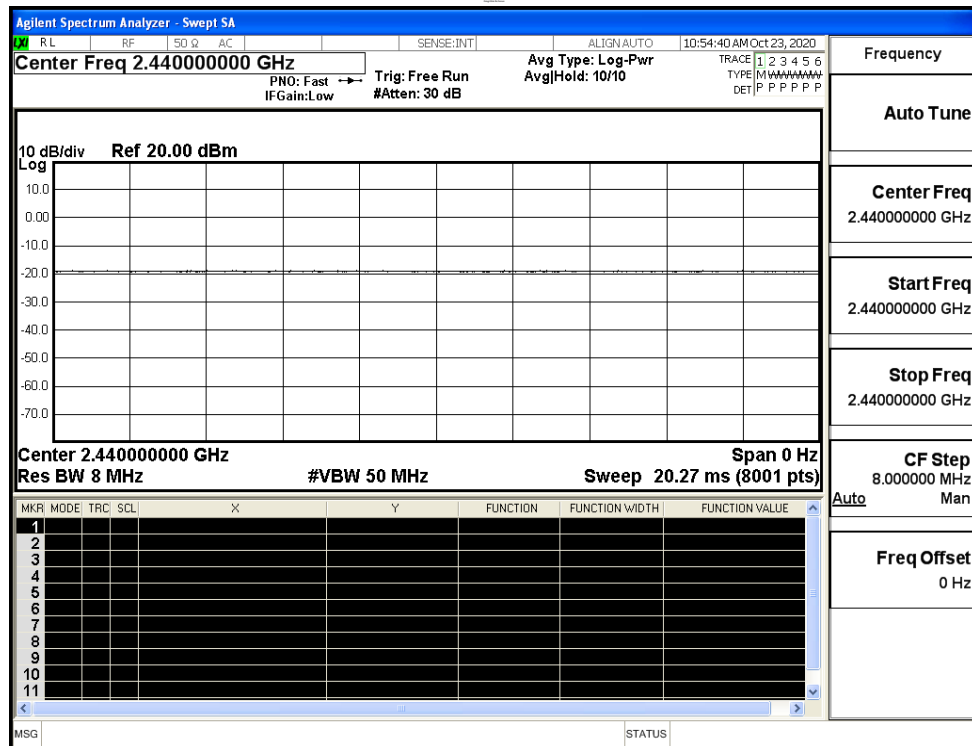
Environmental Conditions

Temperature:	25.3 ° C
Relative Humidity:	54.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	LI HUAN

B.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE(1Mbps)	2440	Ant1	100	PASS
BT LE(2Mbps)	2440	Ant1	100	PASS





B.2 Maximum Conducted Peak Output Power

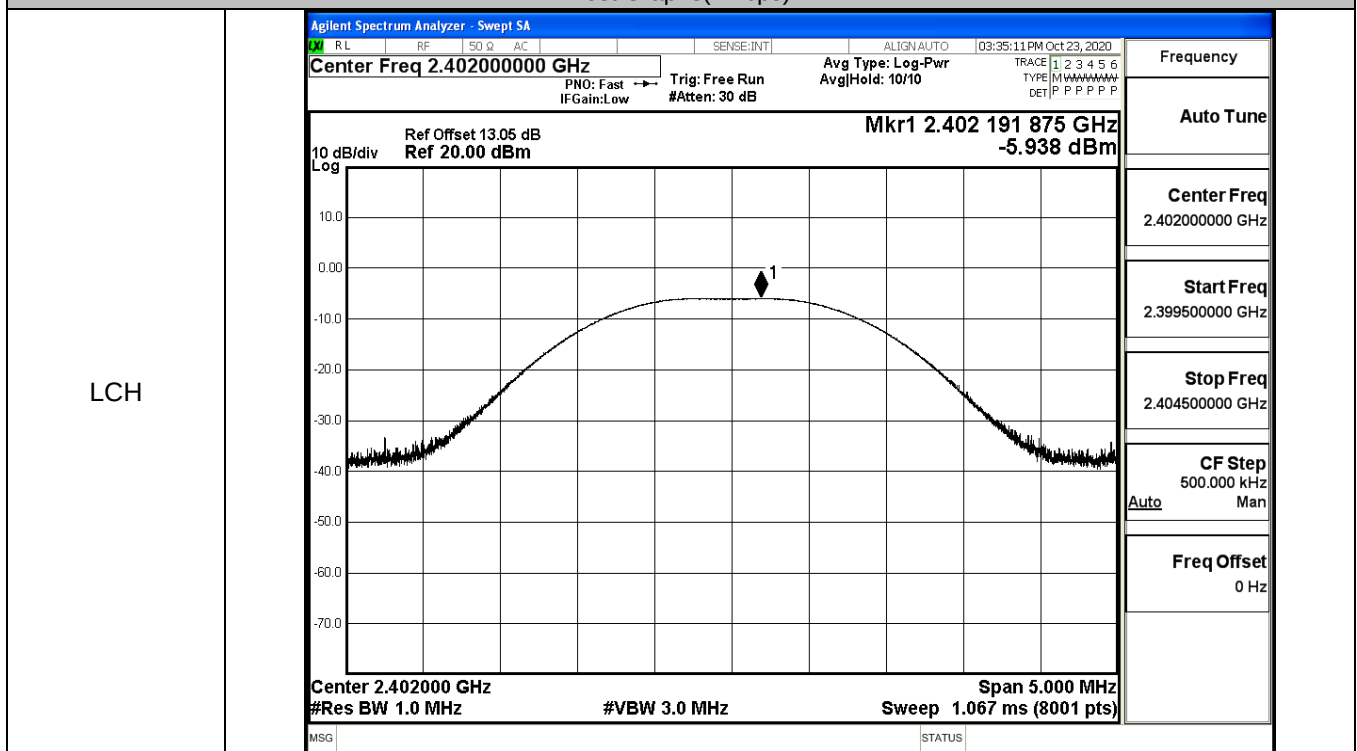
1Mbps

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.938	30	PASS
BT LE	MCH	-5.558	30	PASS
BT LE	HCH	-5.533	30	PASS

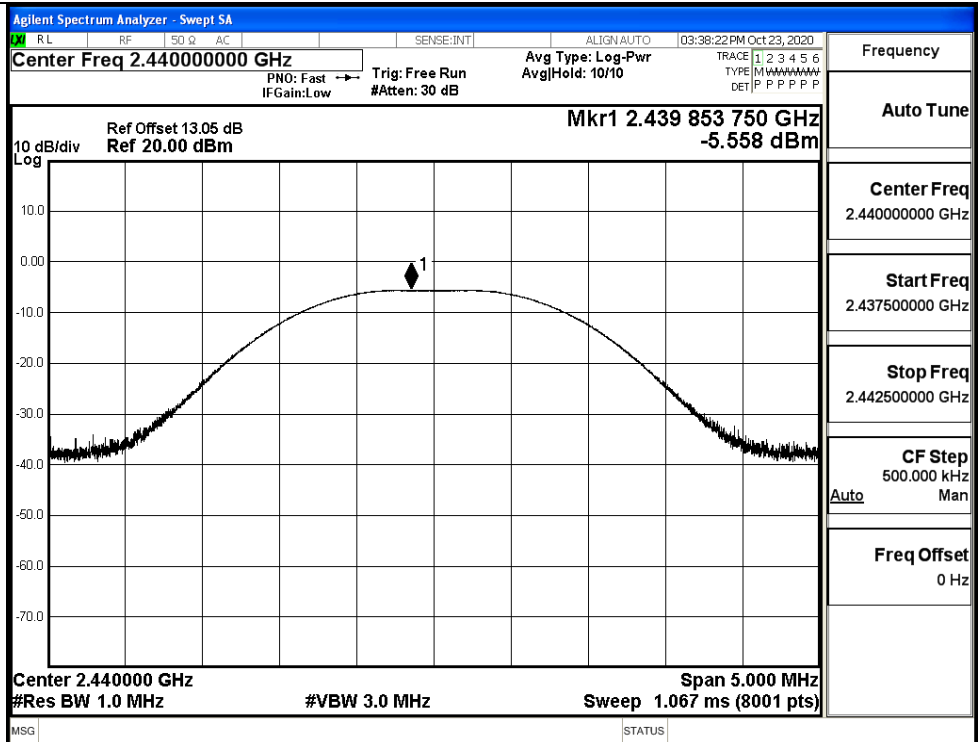
2Mbps

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-6.805	30	PASS
BT LE	MCH	-6.4	30	PASS
BT LE	HCH	-7.015	30	PASS

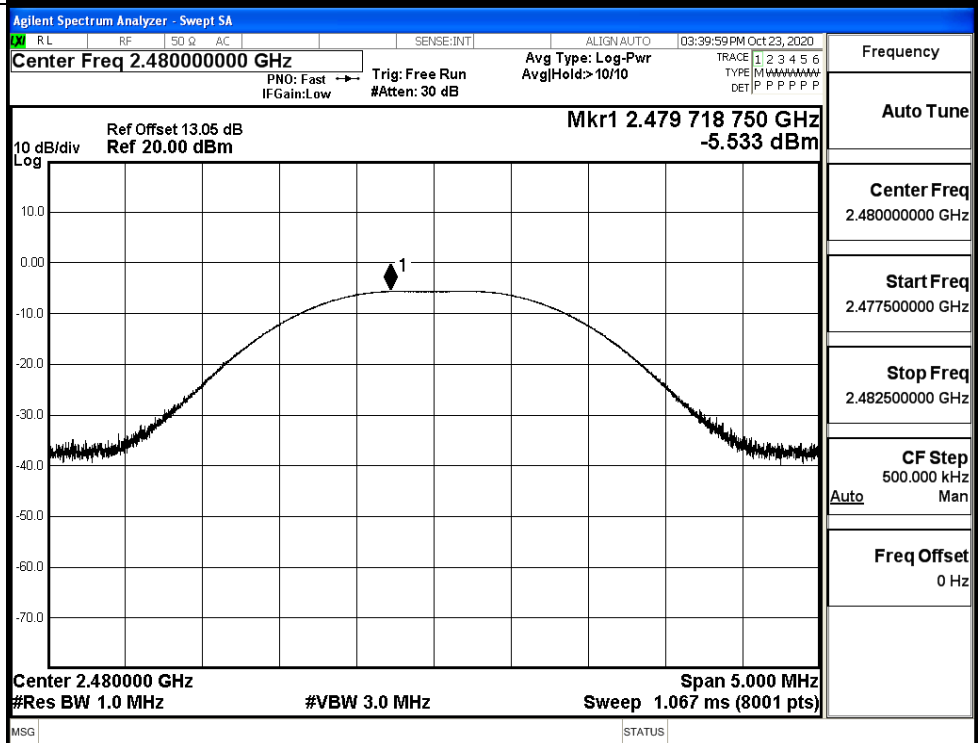
Test Graphs(1Mbps)



MCH

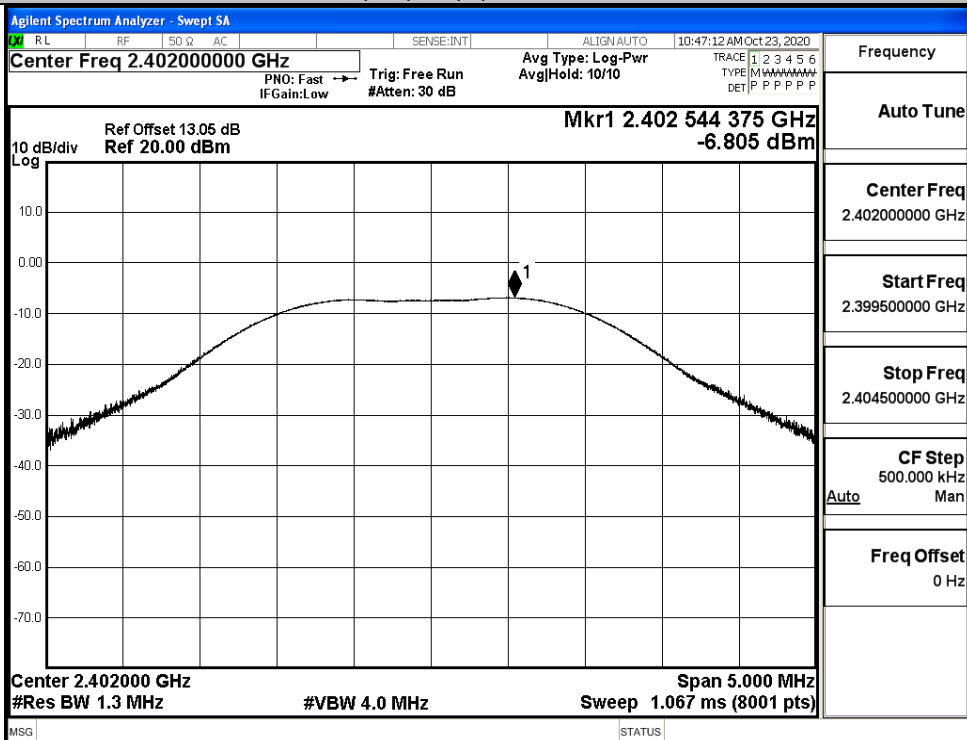


HCH

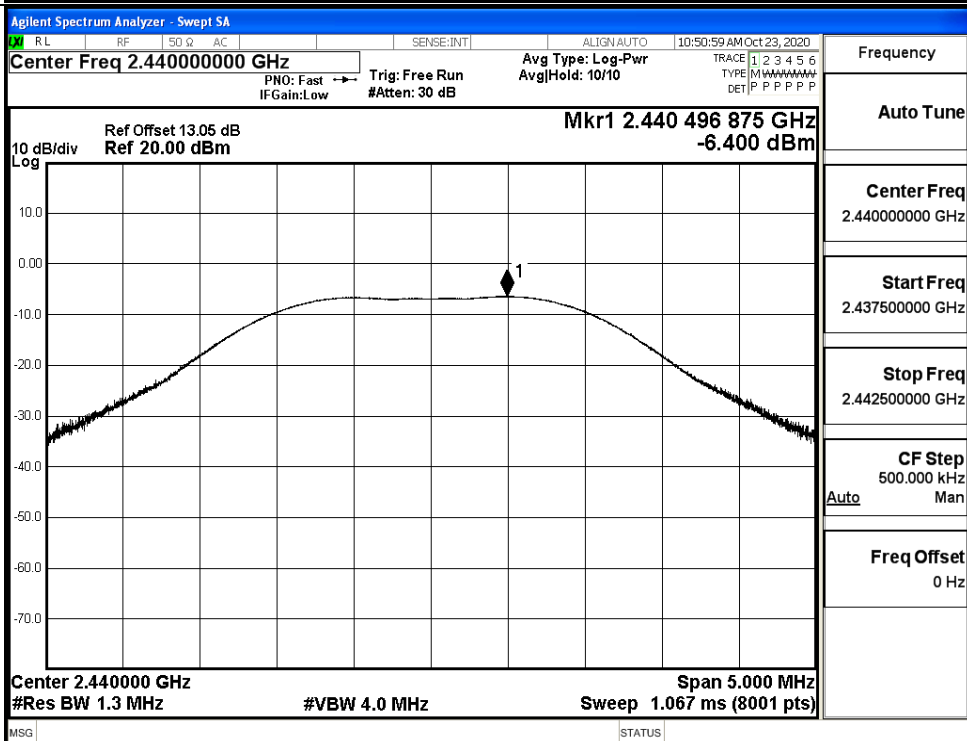


Test Graphs(2Mbps)

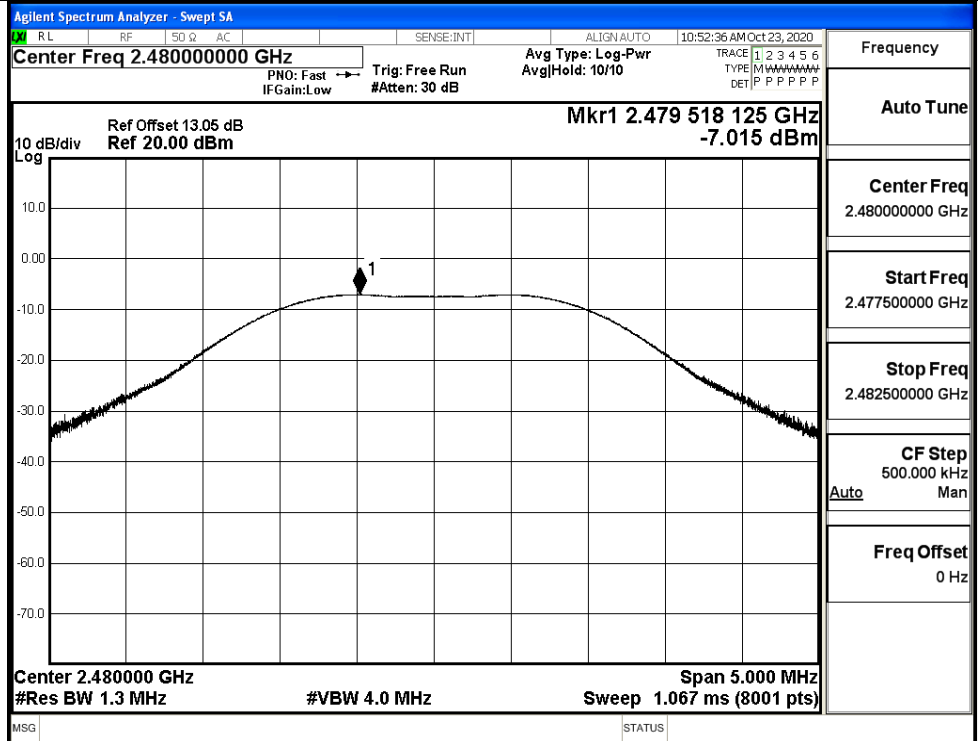
LCH



MCH



HCH



B.3 Maximum Power Spectral Density

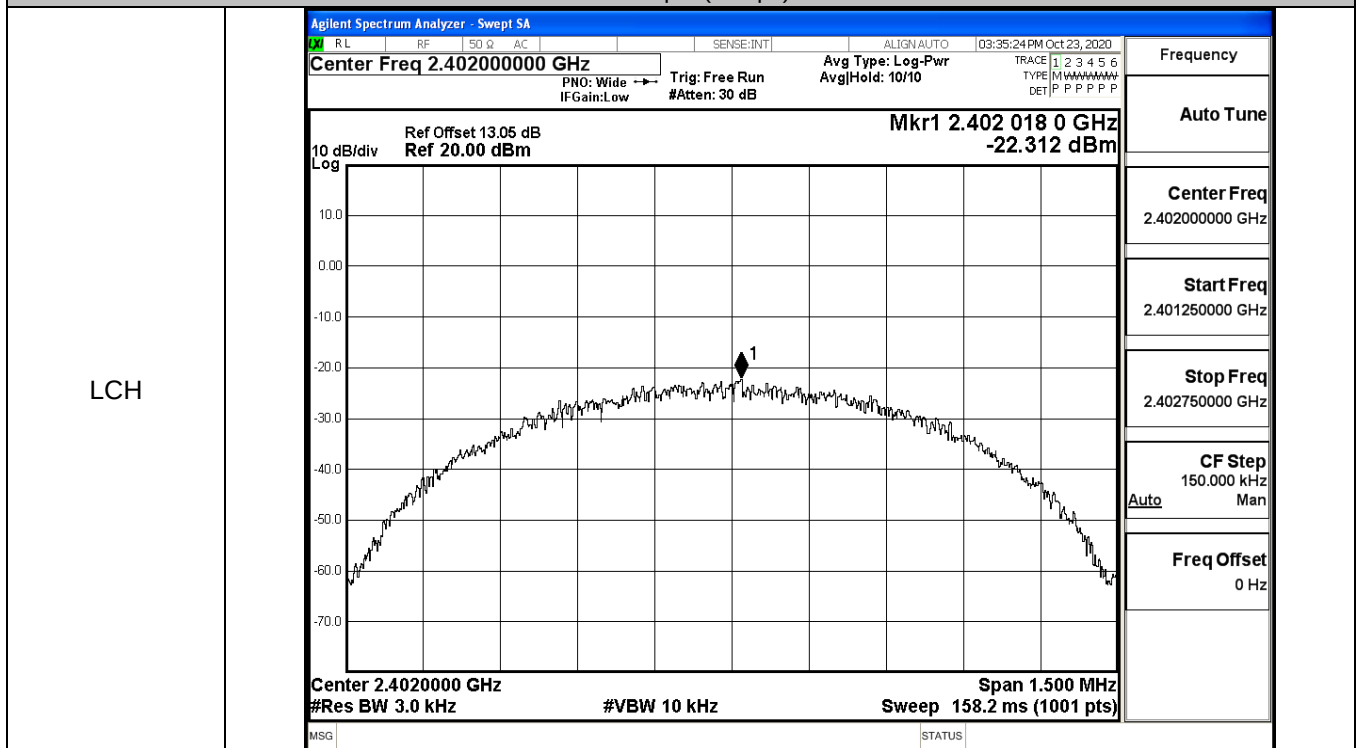
1Mbps

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-22.312	8	PASS
BT LE	MCH	-21.943	8	PASS
BT LE	HCH	-21.818	8	PASS

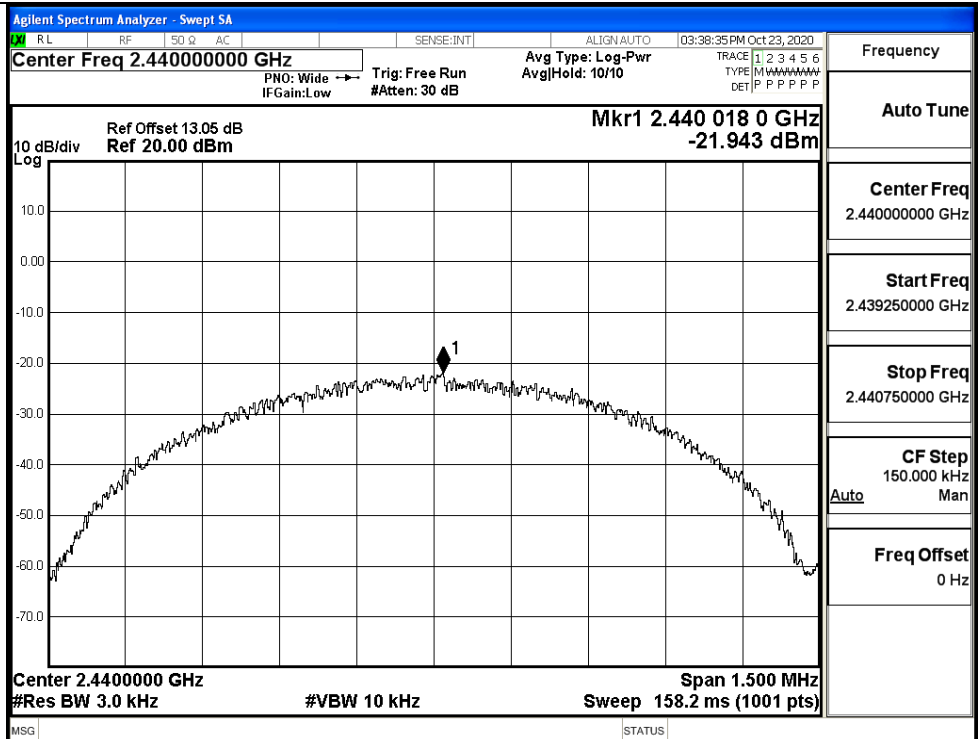
2Mbps

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-25.805	8	PASS
BT LE	MCH	-25.444	8	PASS
BT LE	HCH	-25.999	8	PASS

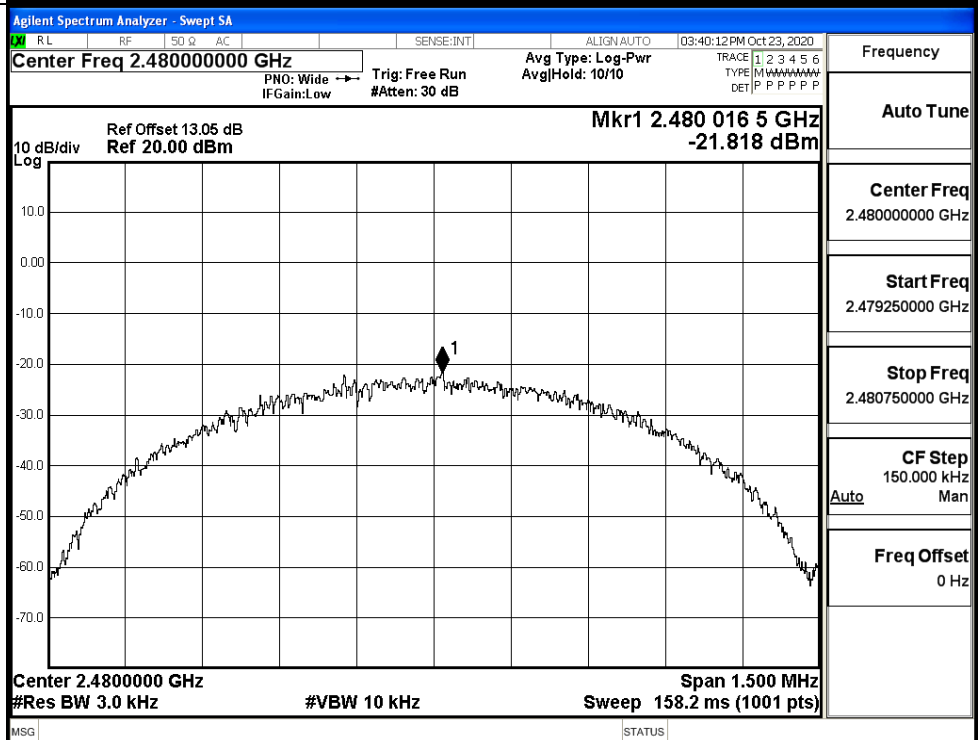
Test Graphs(1Mbps)



MCH

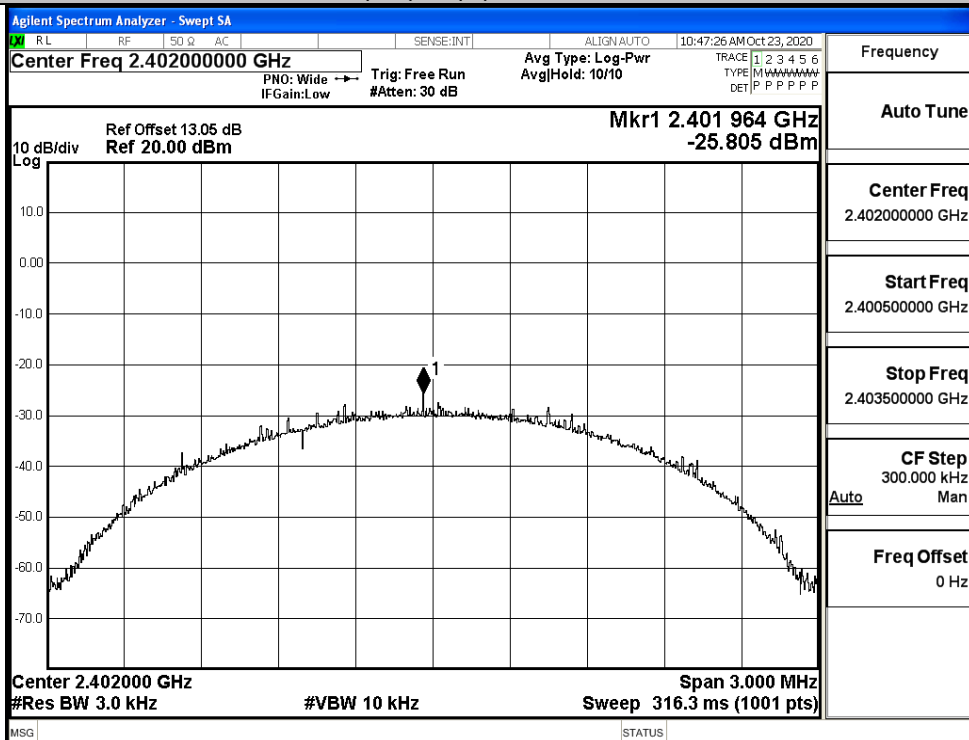


HCH

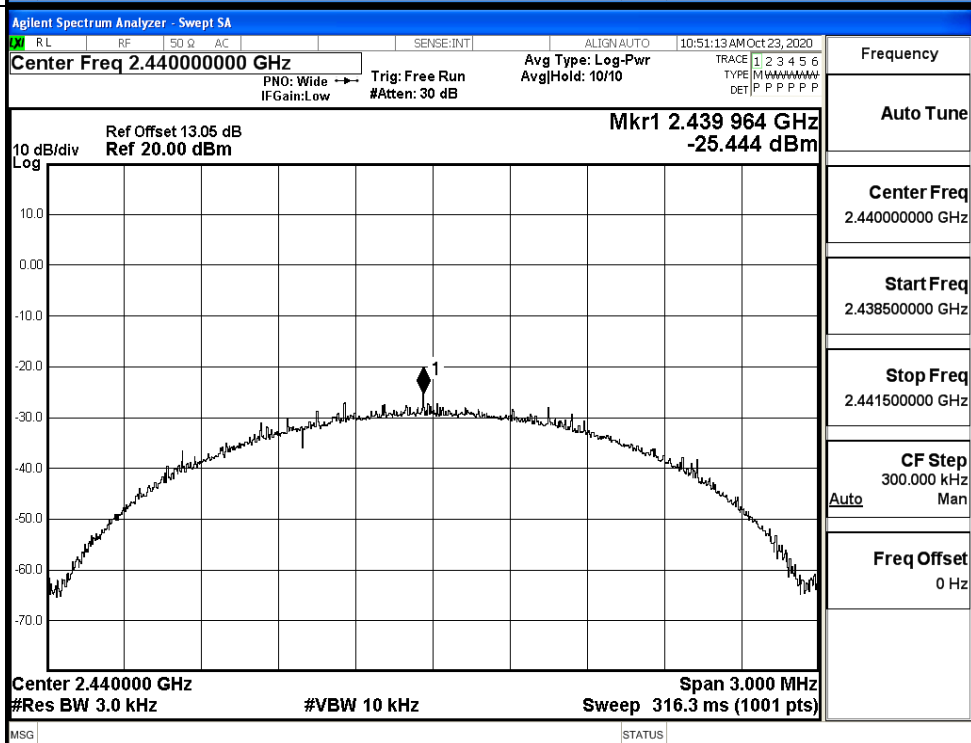


Test Graphs(2Mbps)

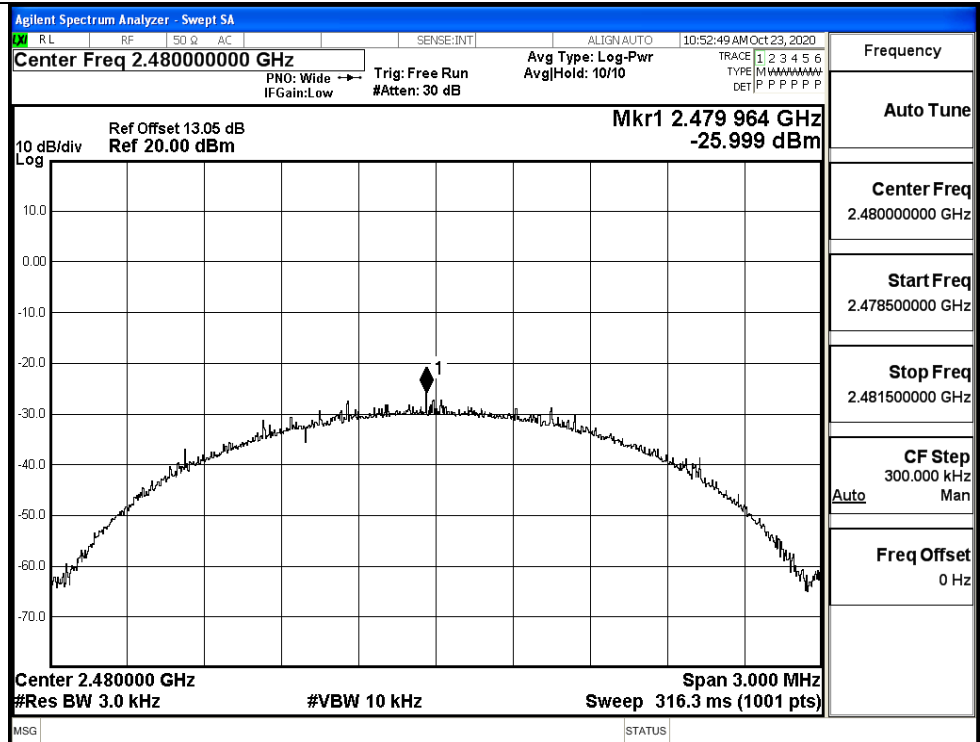
LCH



MCH



HCH



B.4 6dB Bandwidth

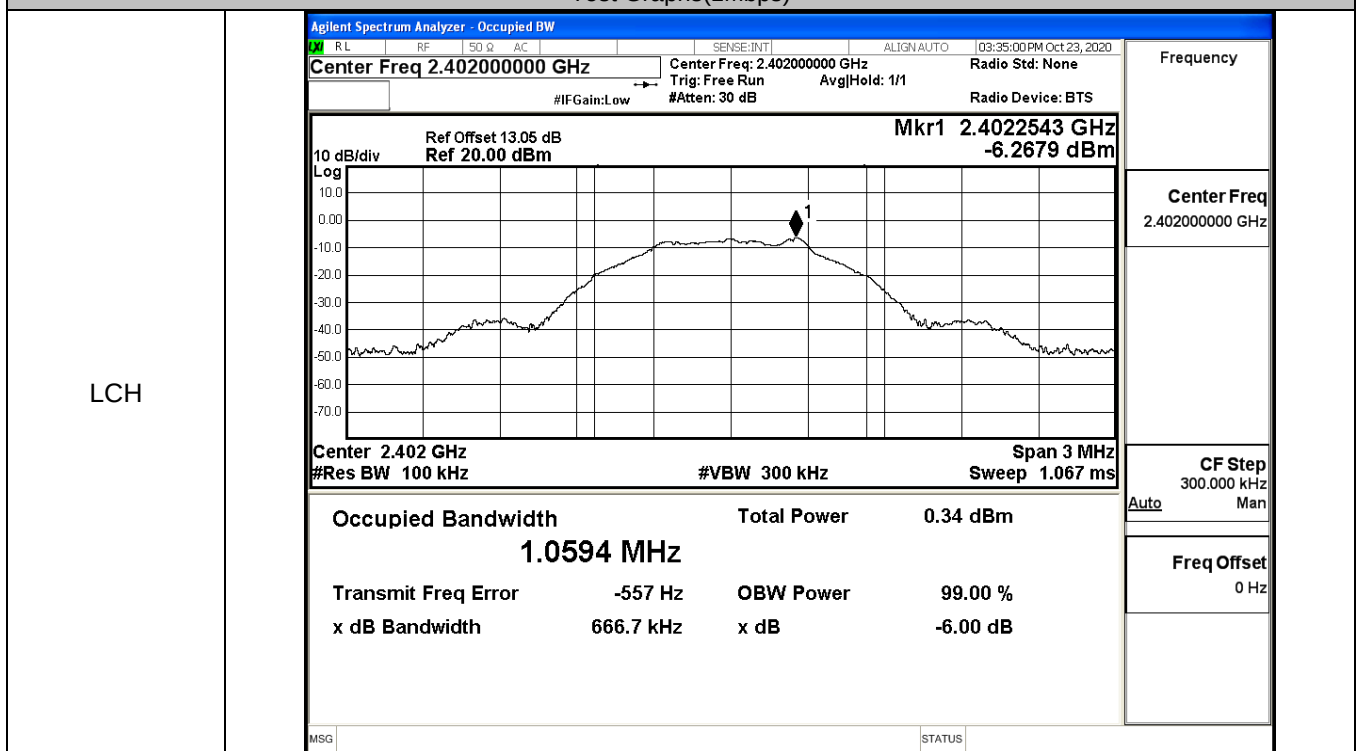
1Mbps

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6667	≥ 0.5	PASS
BT LE	MCH	0.6653	≥ 0.5	PASS
BT LE	HCH	0.6666	≥ 0.5	PASS

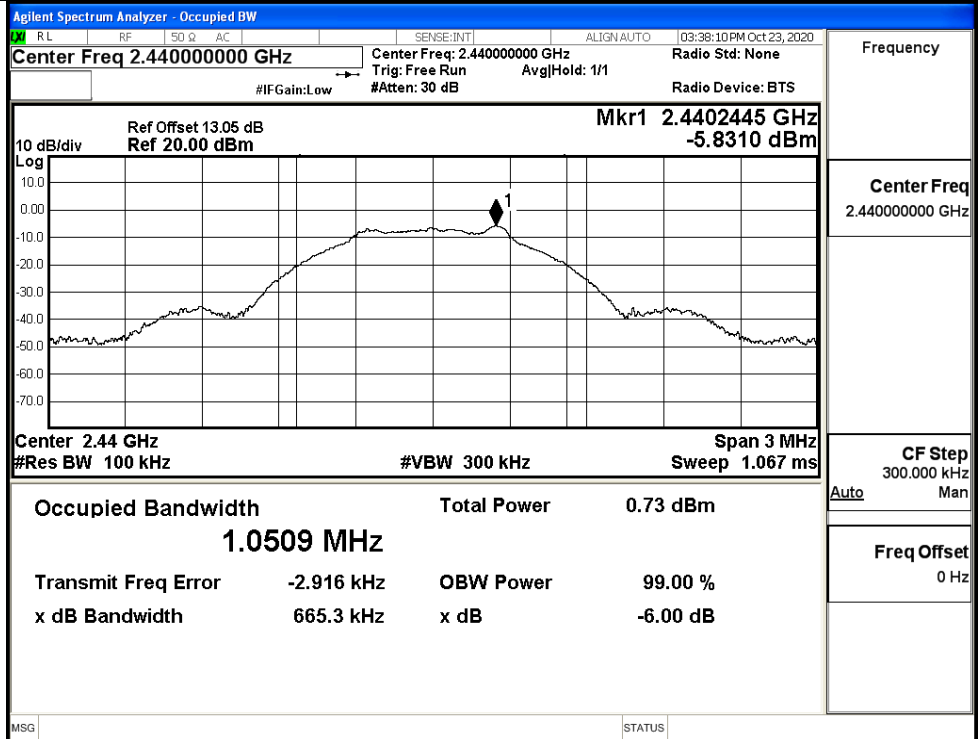
2Mbps

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.150	≥ 0.5	PASS
BT LE	MCH	1.125	≥ 0.5	PASS
BT LE	HCH	1.173	≥ 0.5	PASS

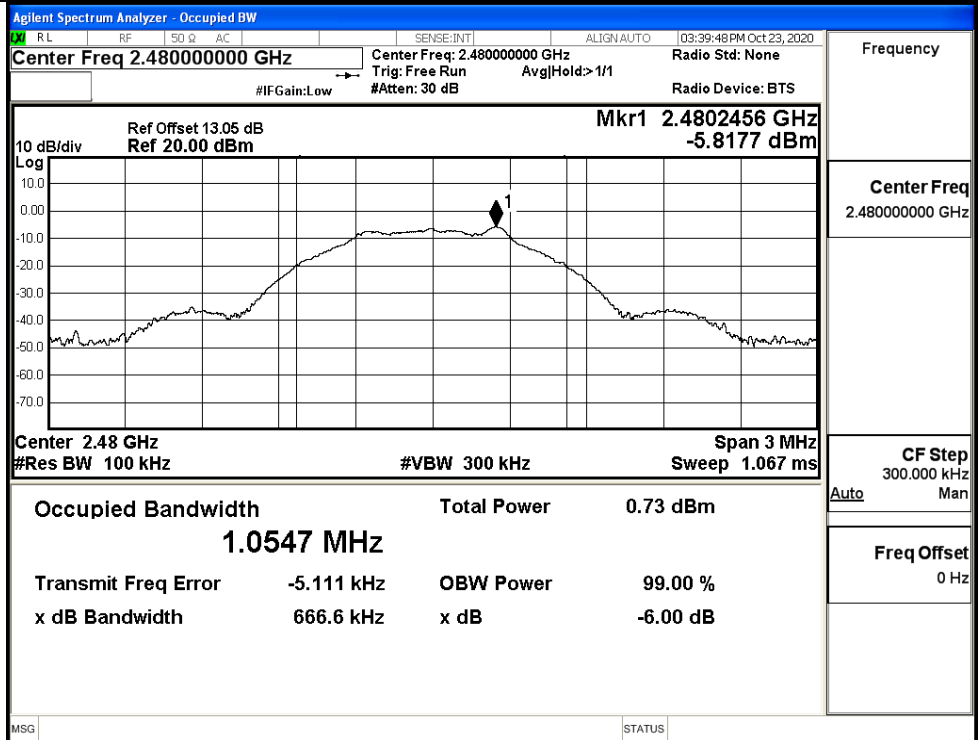
Test Graphs(1Mbps)



MCH

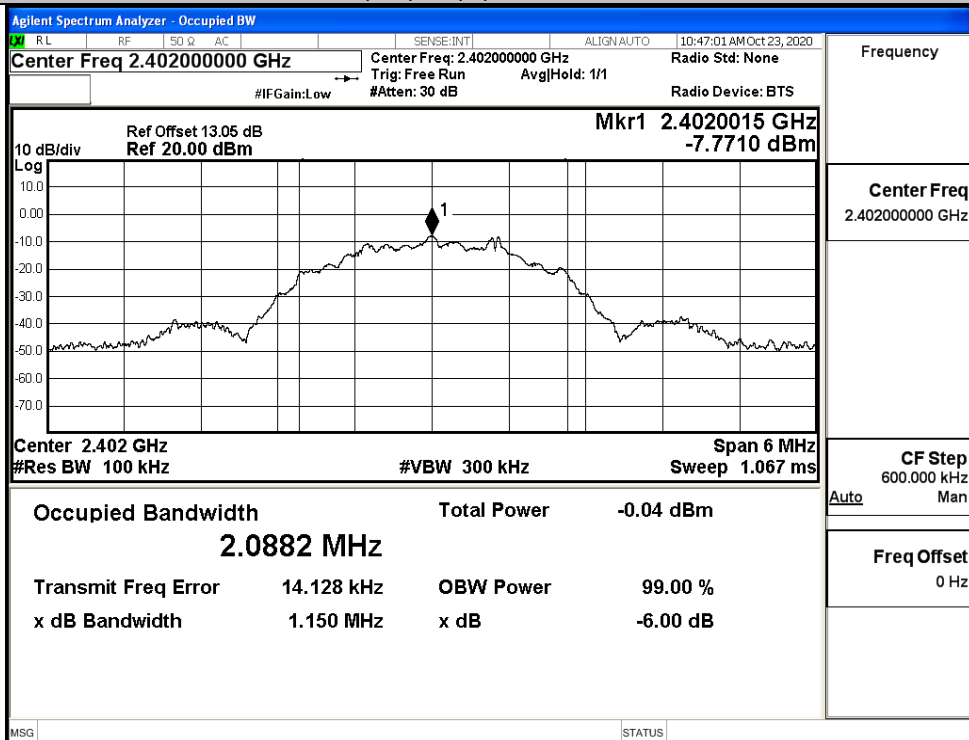


HCH

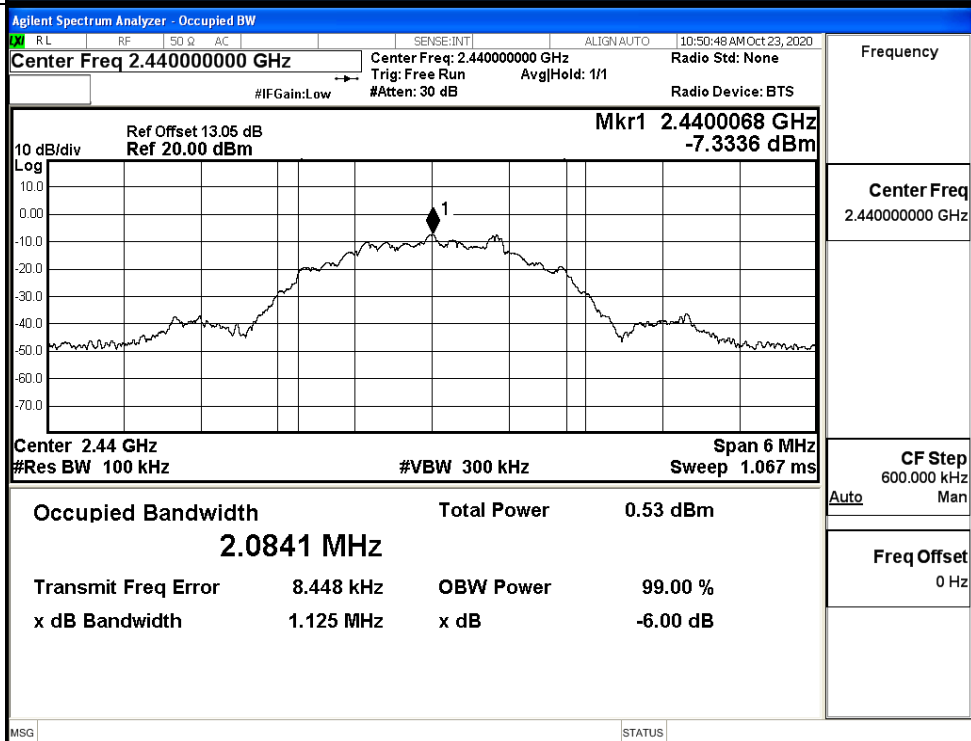


Test Graphs(2Mbps)

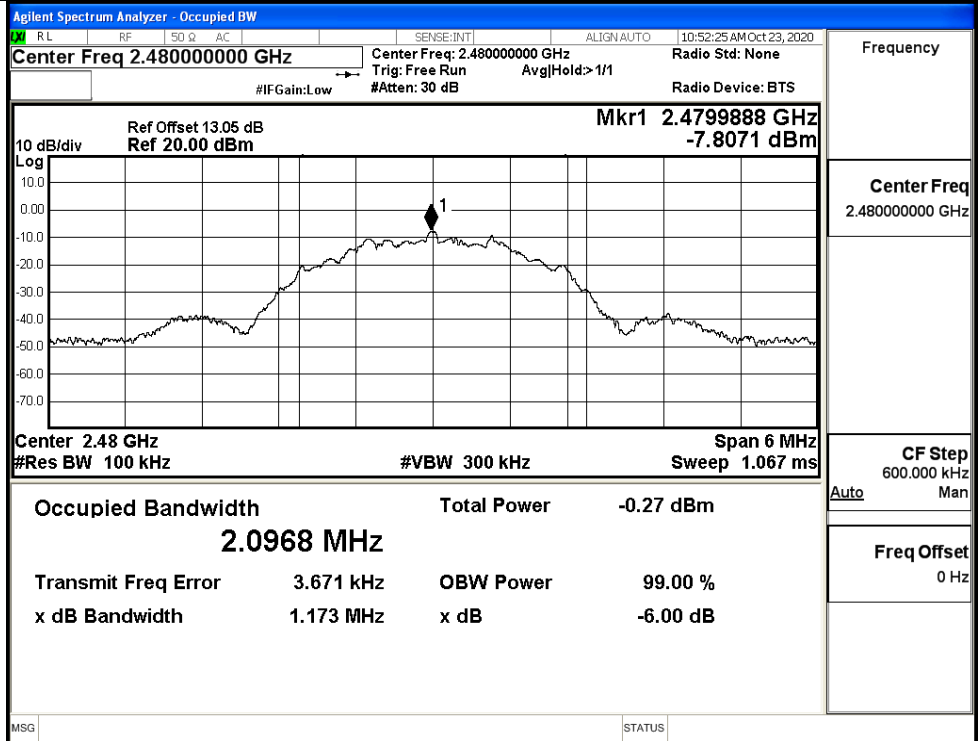
LCH



MCH



HCH

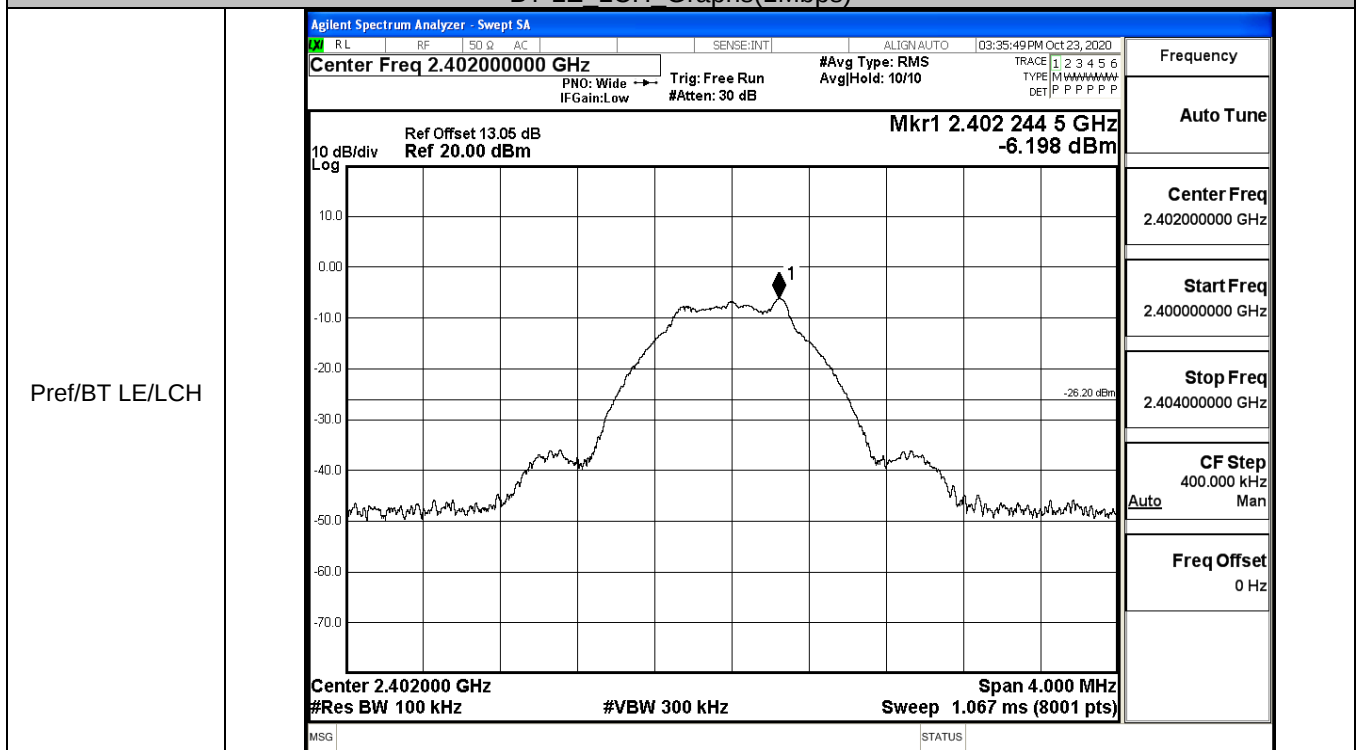


B.5 RF Conducted Spurious Emissions**1Mbps**

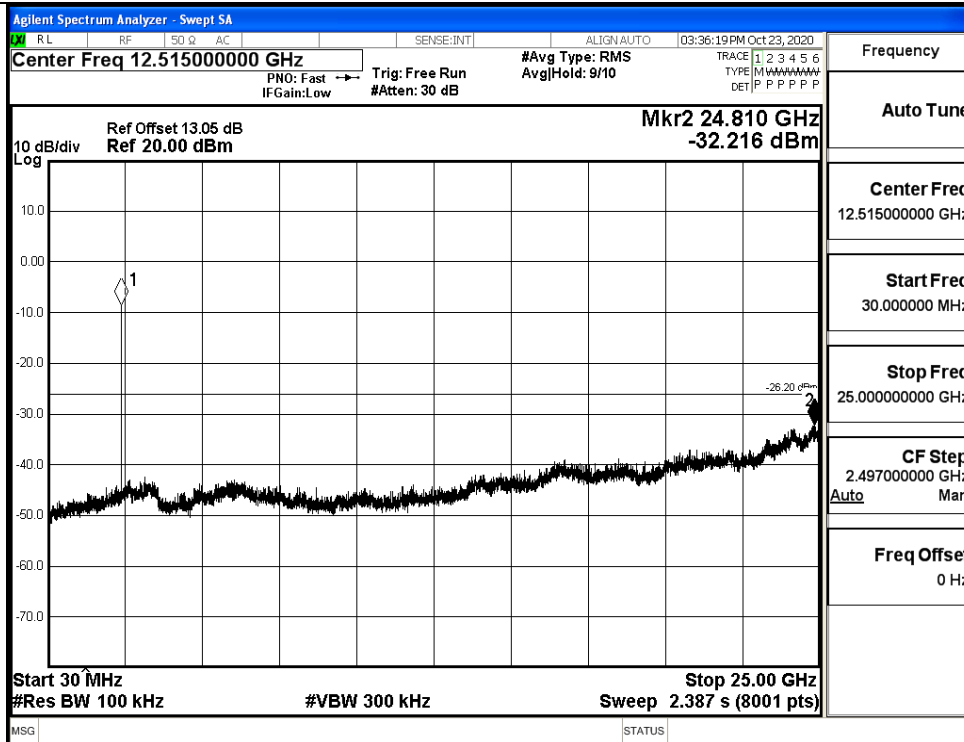
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-6.198	-32.216	-26.198	PASS
BT LE	MCH	-5.961	-30.672	-25.961	PASS
BT LE	HCH	-6.388	-31.352	-26.388	PASS

2Mbps

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-7.811	-31.461	-27.811	PASS
BT LE	MCH	-7.541	-32.622	-27.541	PASS
BT LE	HCH	-7.78	-32.405	-27.780	PASS

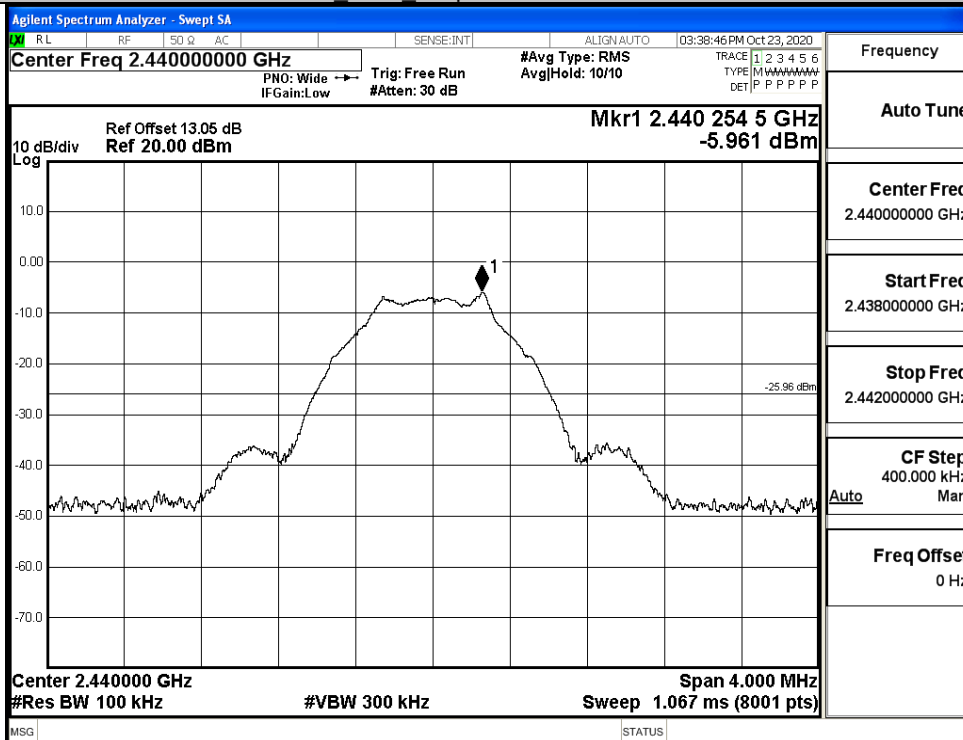
BT LE LCH Graphs(1Mbps)

Puw/BT LE/LCH

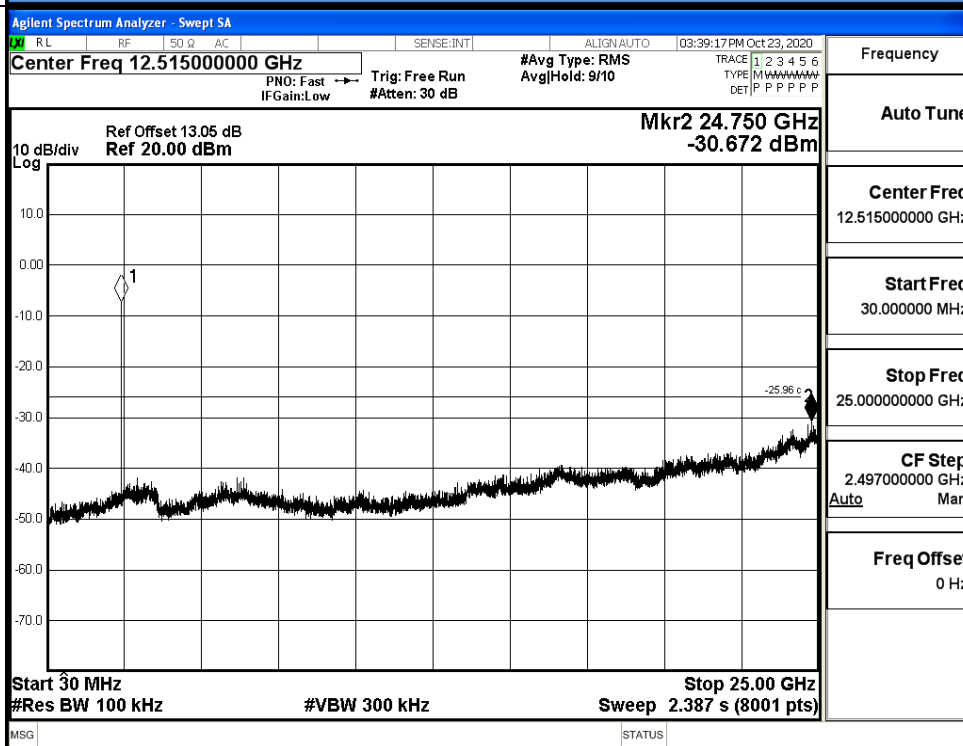


BT LE MCH Graphs

Pref/BT LE/MCH

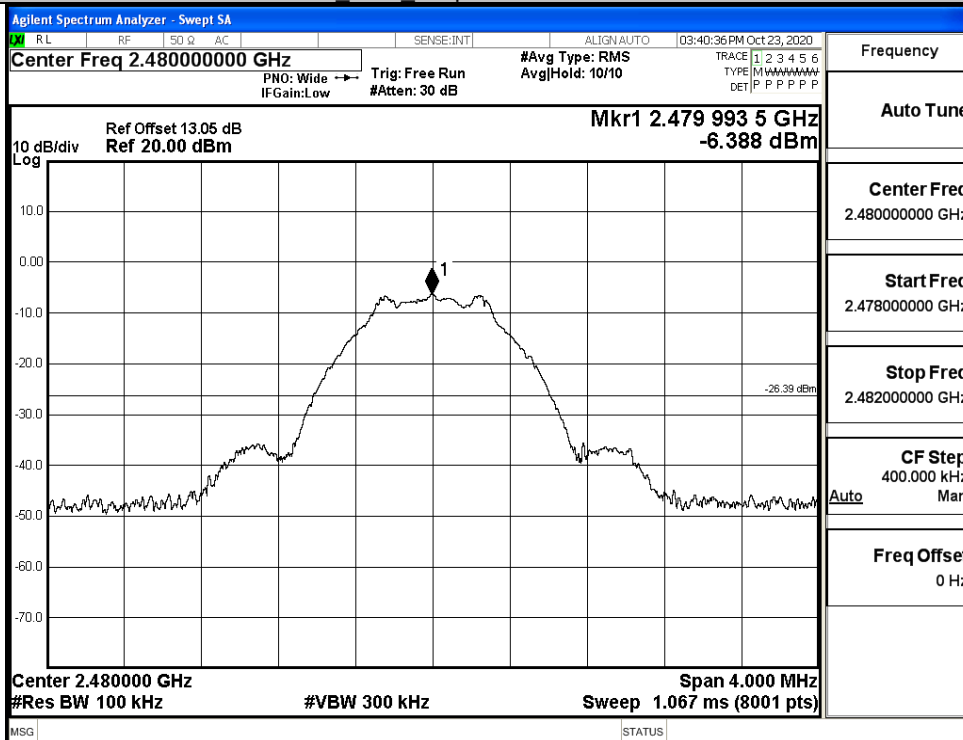


Puw/BT LE/MCH

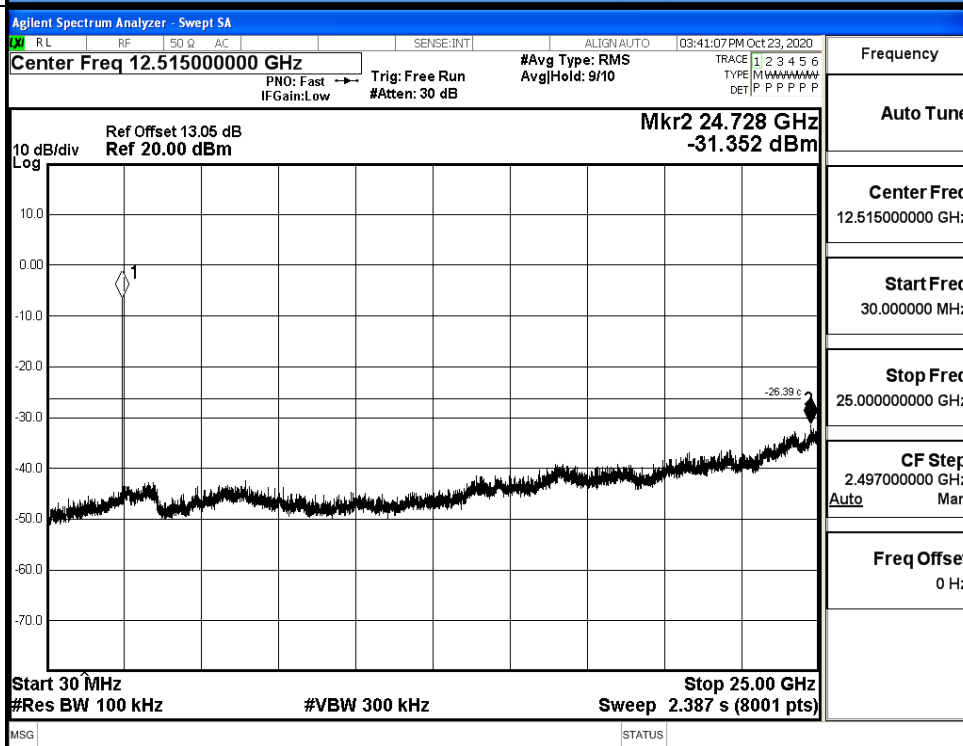


BT LE HCH Graphs

Pref/BT LE/HCH

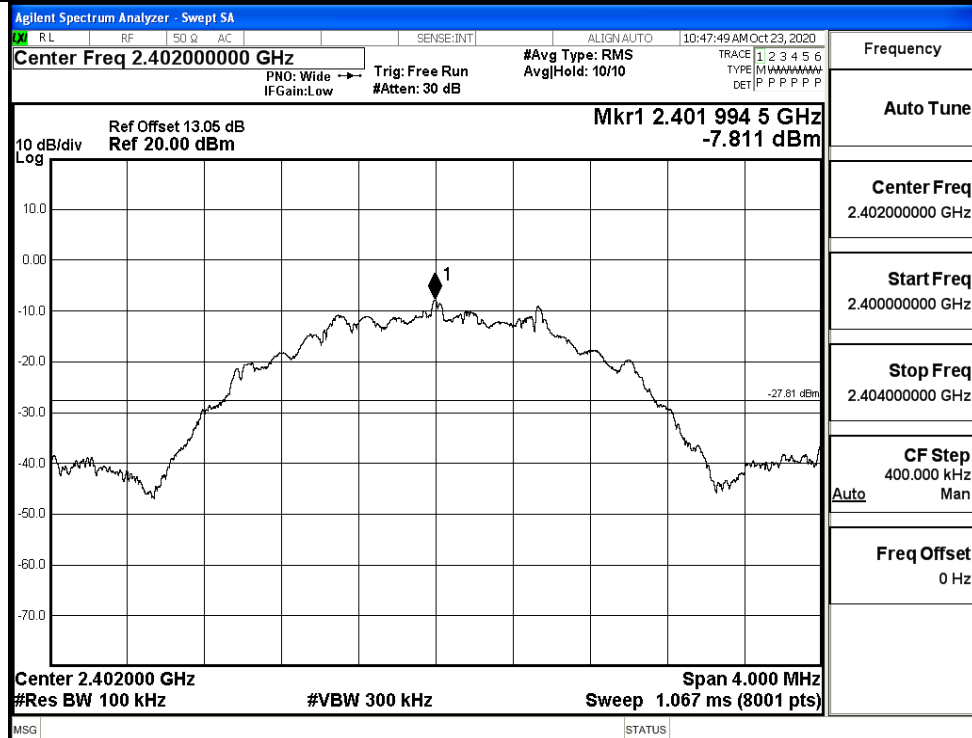


Puw/BT LE/HCH

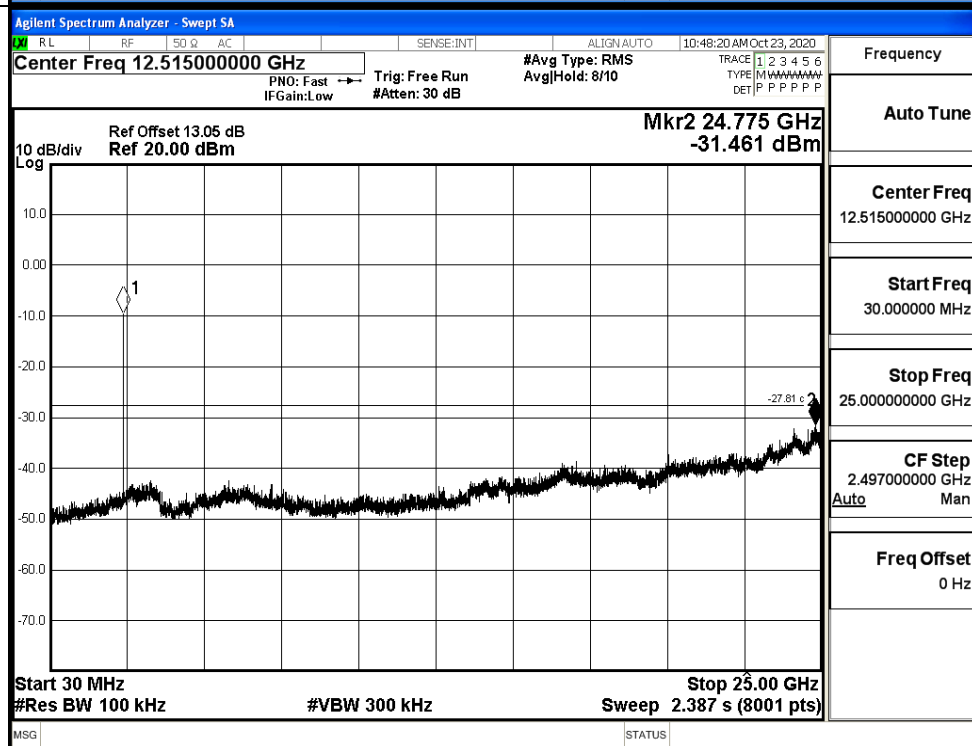


BT LE LCH Graphs(2Mbps)

Pref/BT LE/LCH

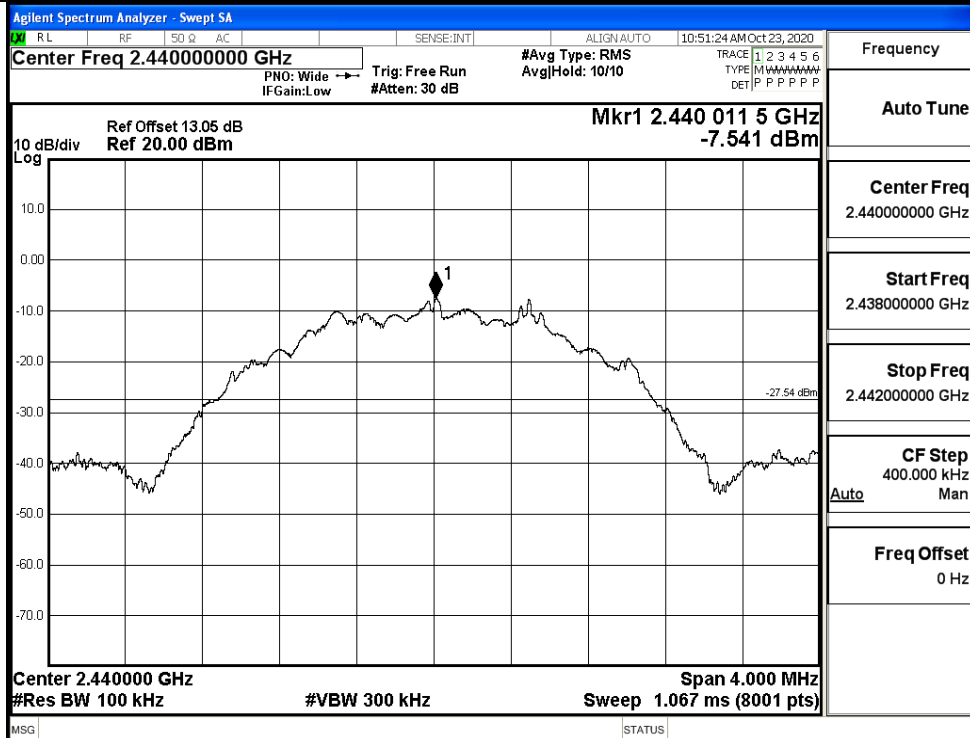


Puw/BT LE/LCH

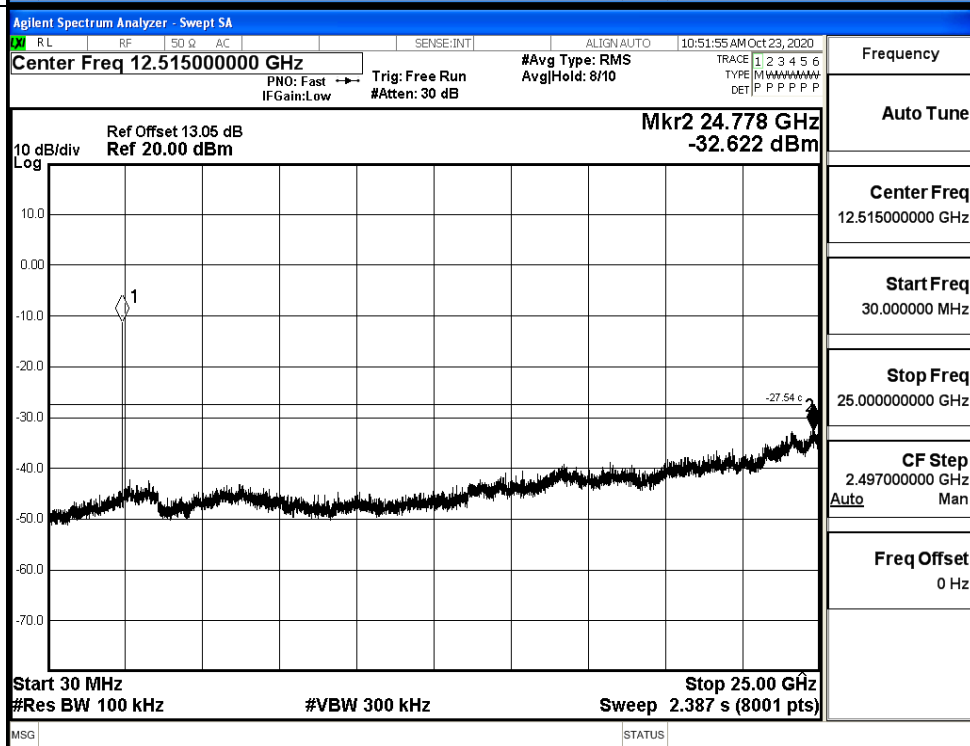


BT LE MCH Graphs

Pref/BT LE/MCH

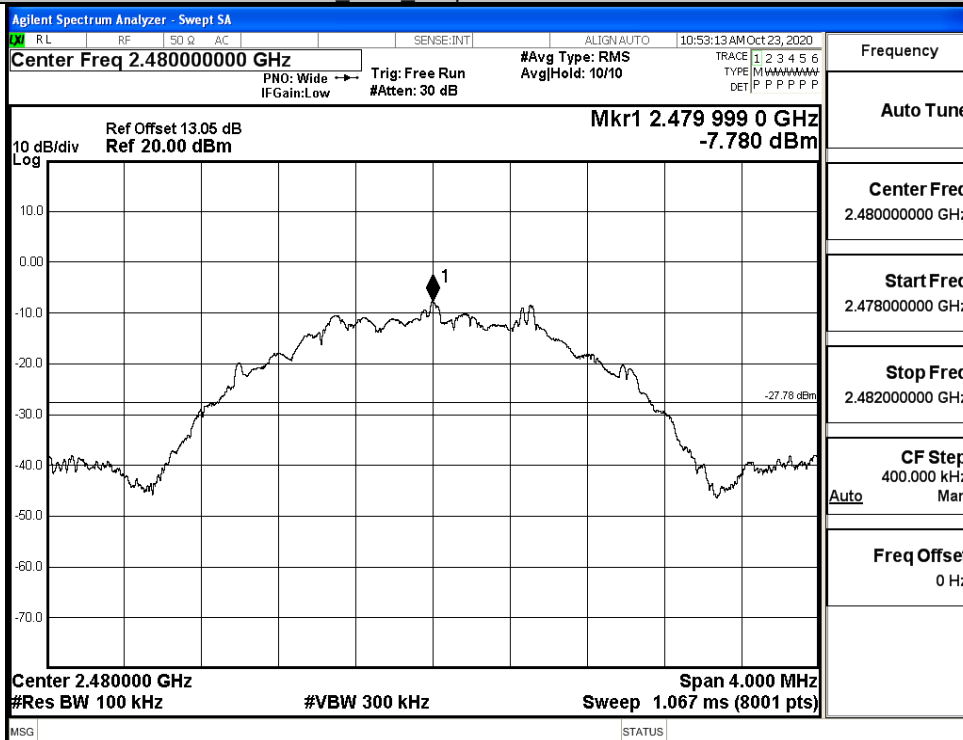


Puw/BT LE/MCH

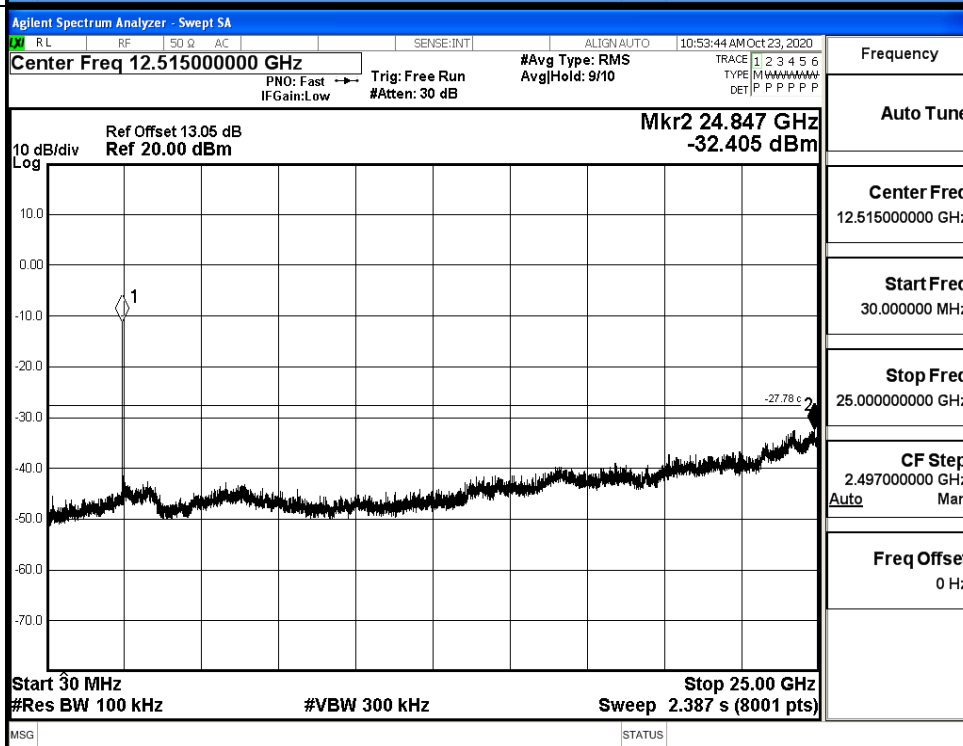


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

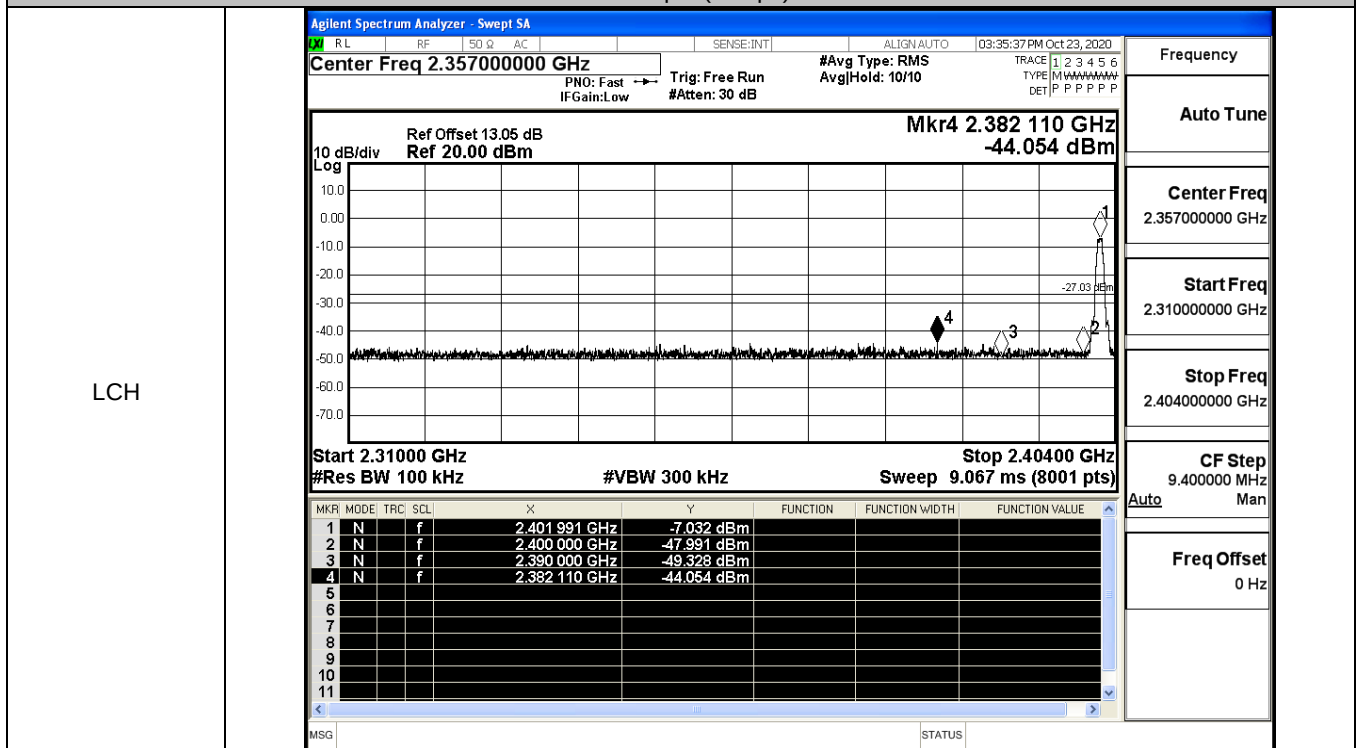
1Mbps

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-7.032	-44.054	-27.03	PASS
BT LE	HCH	-5.797	-44.355	-25.8	PASS

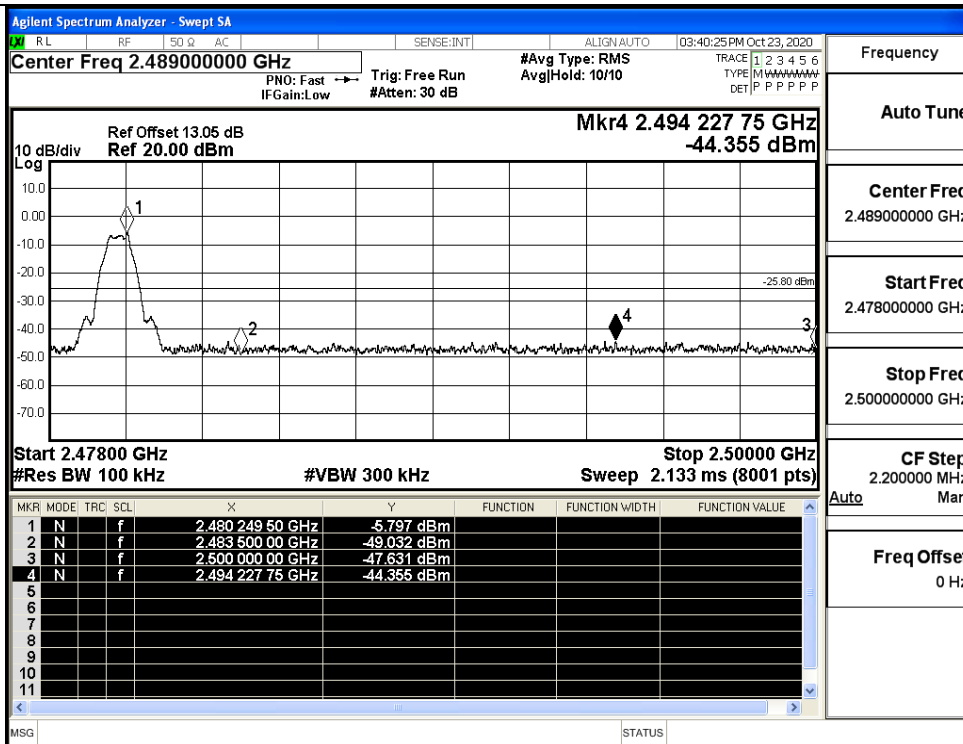
2Mbps

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-7.826	-44.414	-27.83	PASS
BT LE	HCH	-7.701	-43.211	-27.7	PASS

Test Graphs(1Mbps)



HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

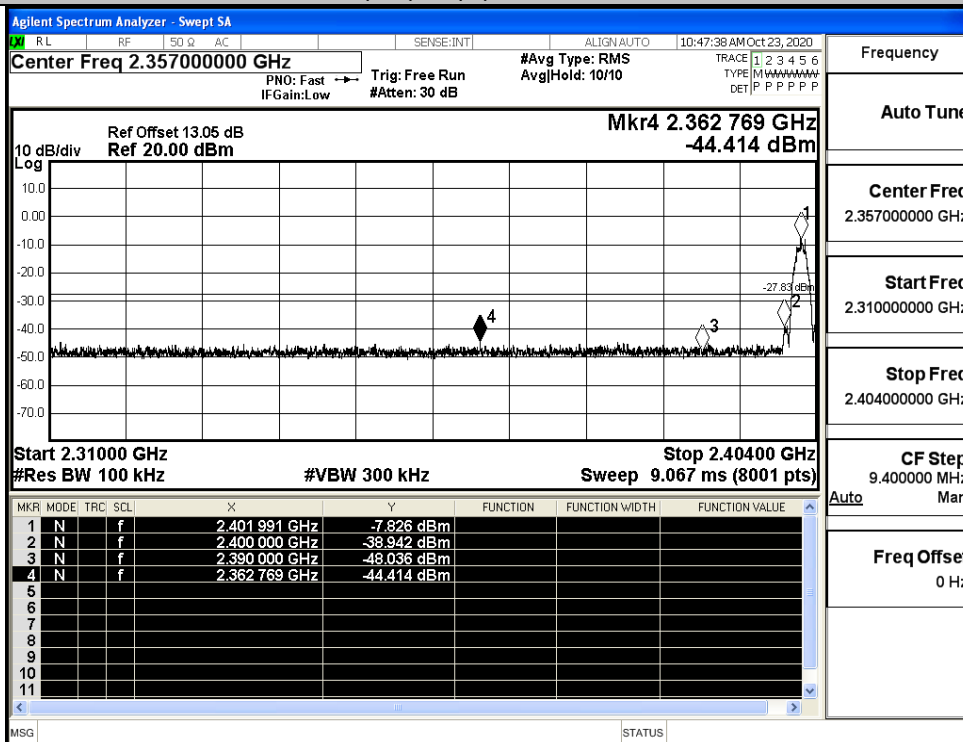
Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz

Freq Offset
0 Hz

Test Graphs(2Mbps)

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

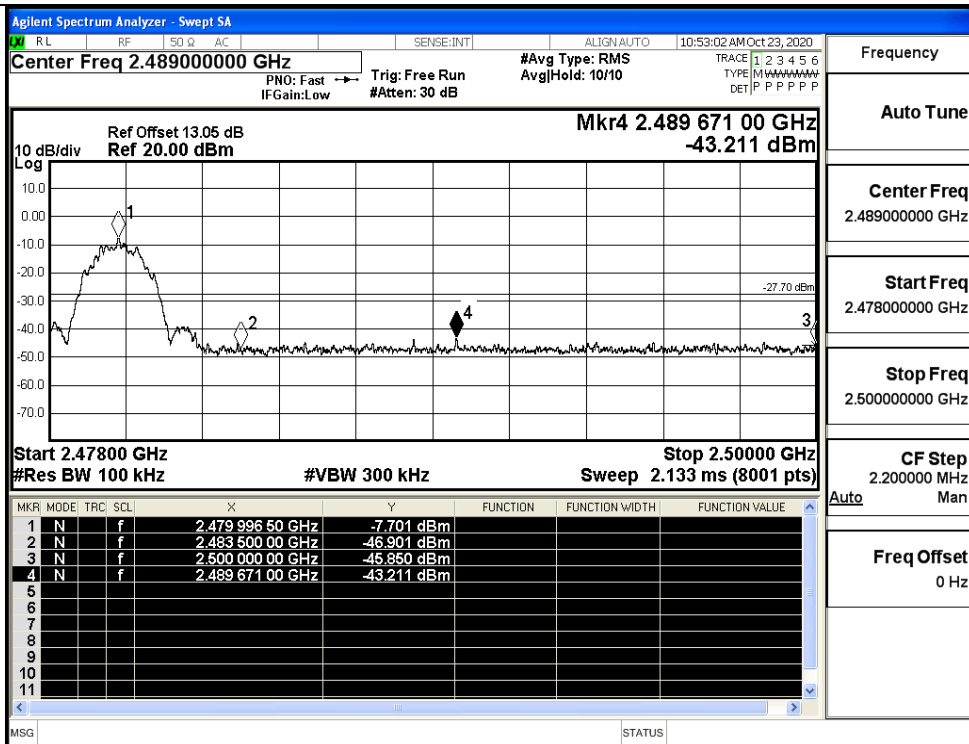
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



B.7 Restrict-band band-edge measurements

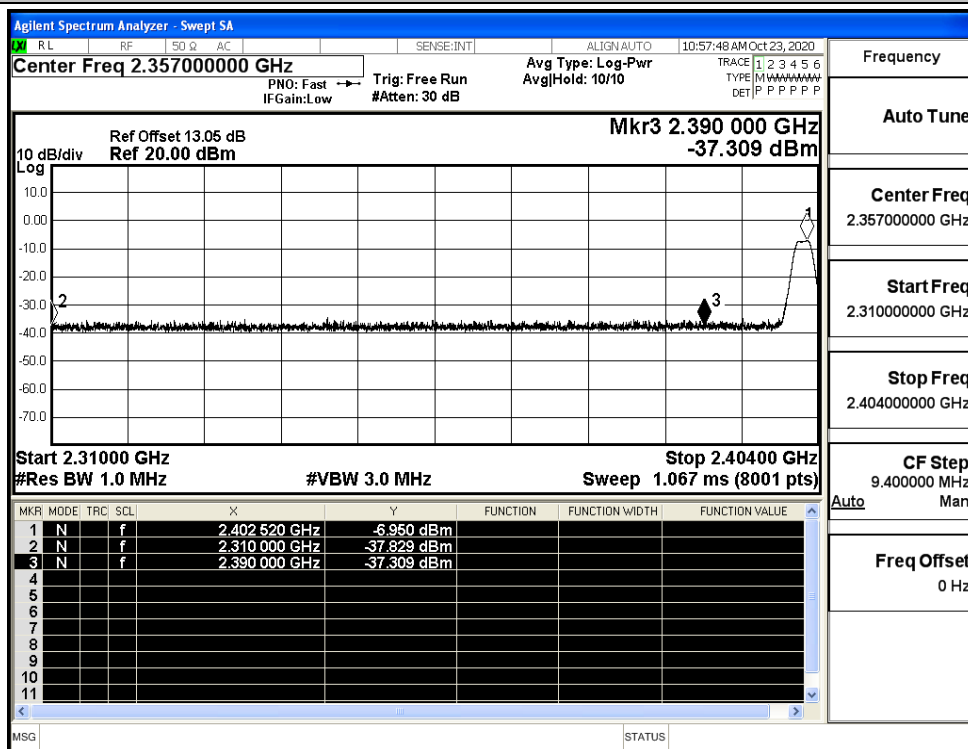
1Mbps

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	-37.54	2.15	0	59.84	PEAK	74	PASS
		Ant1	2310.0	-48.08	2.15	0	49.30	AV	54	PASS
		Ant1	2390.0	-36.19	2.15	0	61.19	PEAK	74	PASS
		Ant1	2390.0	-47.87	2.15	0	49.51	AV	54	PASS
	2480	Ant1	2483.5	-36.88	2.15	0	60.50	PEAK	74	PASS
		Ant1	2483.5	-47.29	2.15	0	50.09	AV	54	PASS
		Ant1	2500.0	-36.65	2.15	0	60.73	PEAK	74	PASS
		Ant1	2500.0	-47.18	2.15	0	50.20	AV	54	PASS

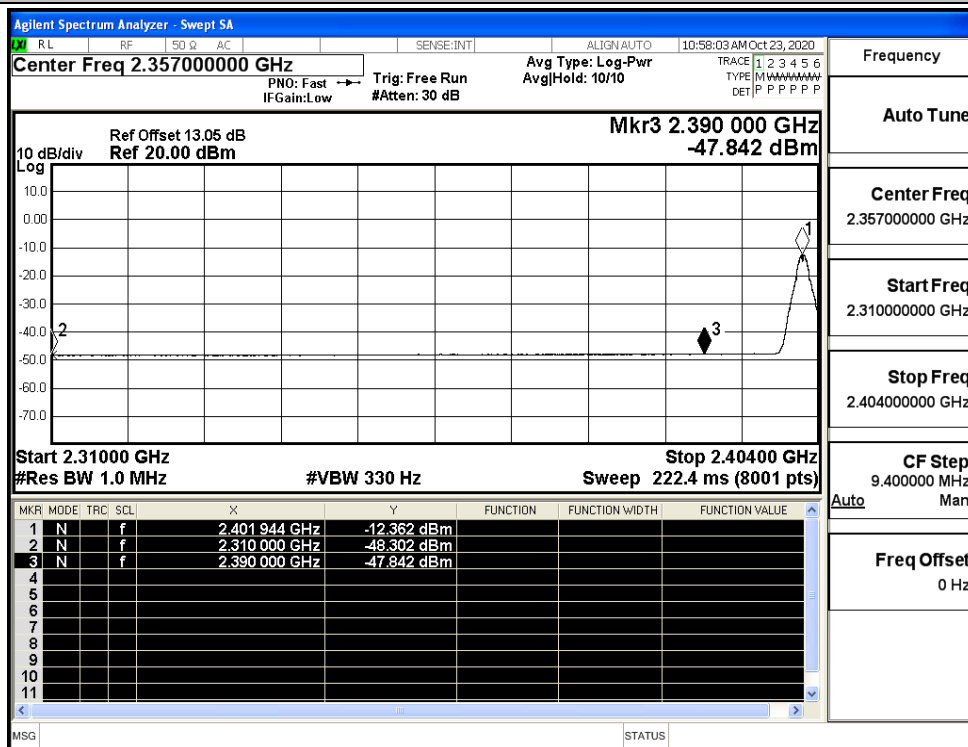
2Mbps

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	-36.94	2.15	0	60.44	PEAK	74	PASS
		Ant1	2310.0	-48.14	2.15	0	49.24	AV	54	PASS
		Ant1	2390.0	-38.36	2.15	0	59.02	PEAK	74	PASS
		Ant1	2390.0	-47.92	2.15	0	49.46	AV	54	PASS
	2480	Ant1	2483.5	-36.66	2.15	0	60.72	PEAK	74	PASS
		Ant1	2483.5	-47.41	2.15	0	49.97	AV	54	PASS
		Ant1	2500.0	-37.92	2.15	0	59.46	PEAK	74	PASS
		Ant1	2500.0	-47.26	2.15	0	50.12	AV	54	PASS

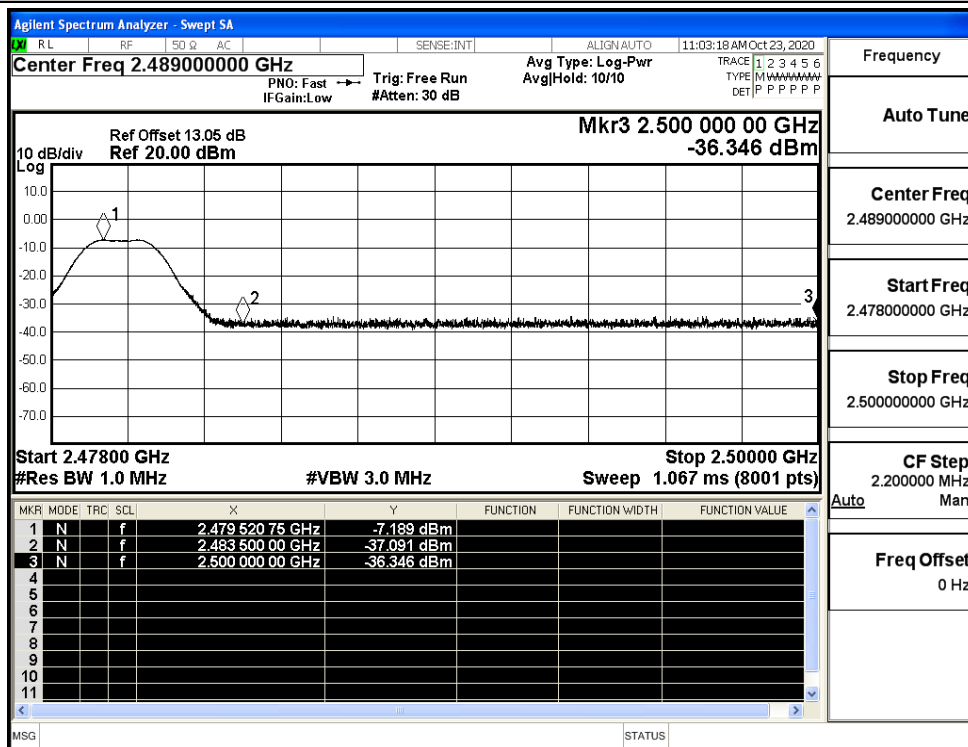
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK(1Mbps)



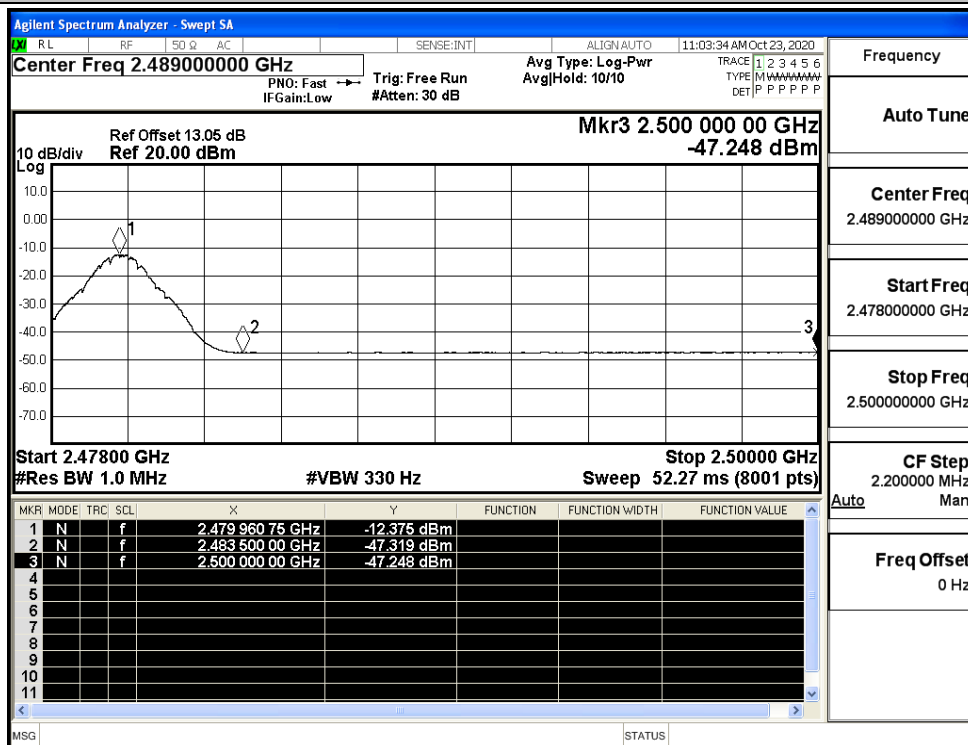
Restrict-band band-edge measurements_BT LE_2402_Ant1_AV(1Mbps)



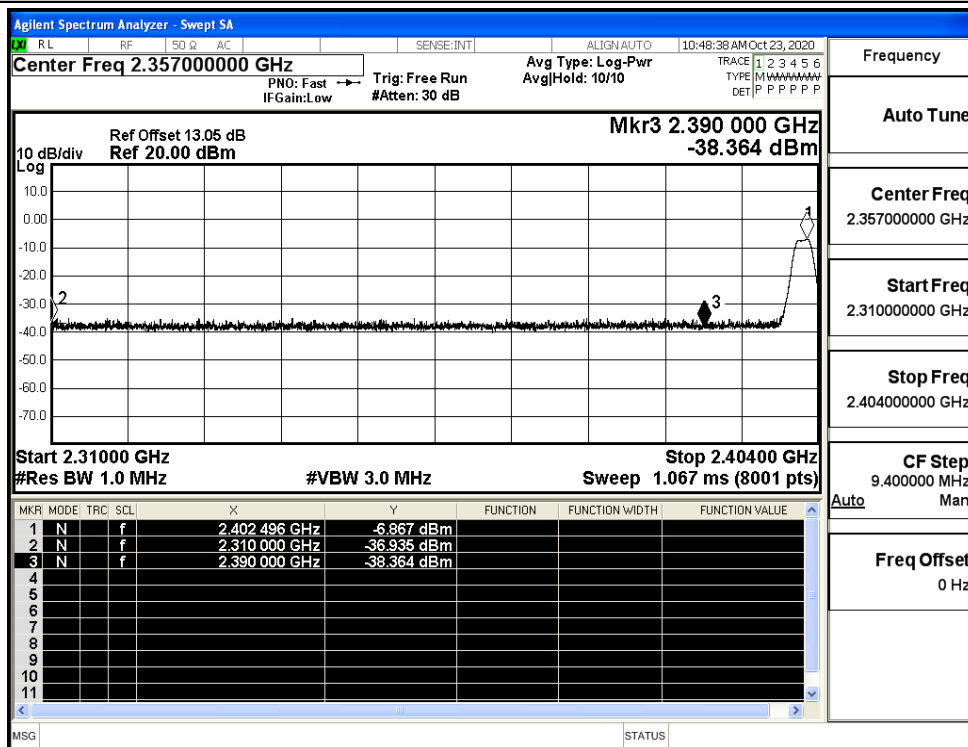
Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK(1Mbps)



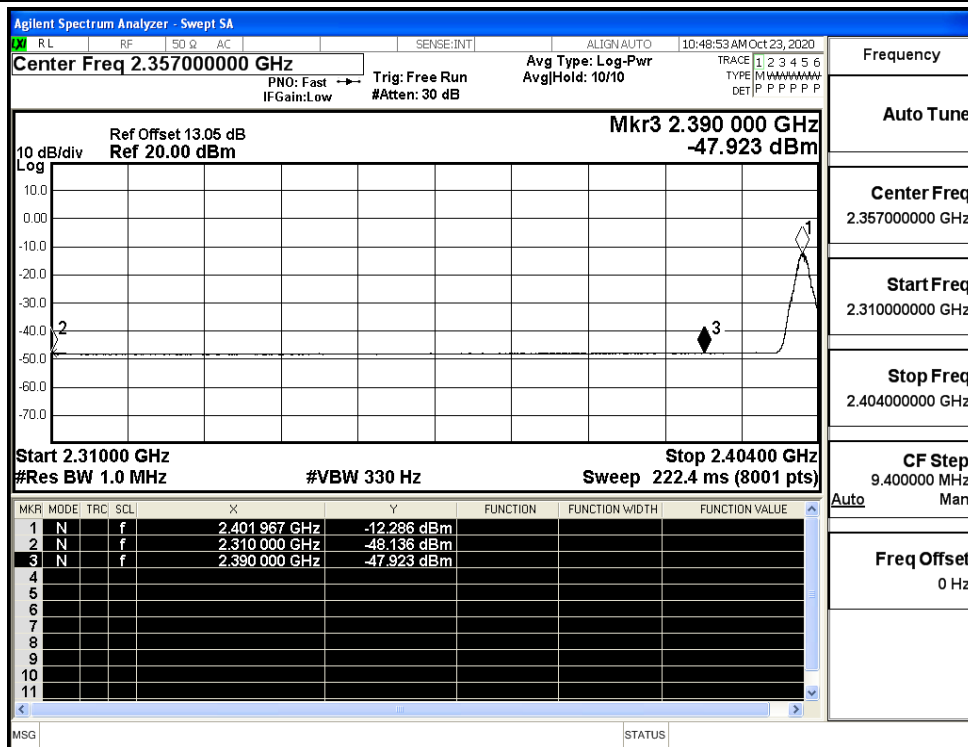
Restrict-band band-edge measurements_BT LE_2480_Ant1_AV(1Mbps)



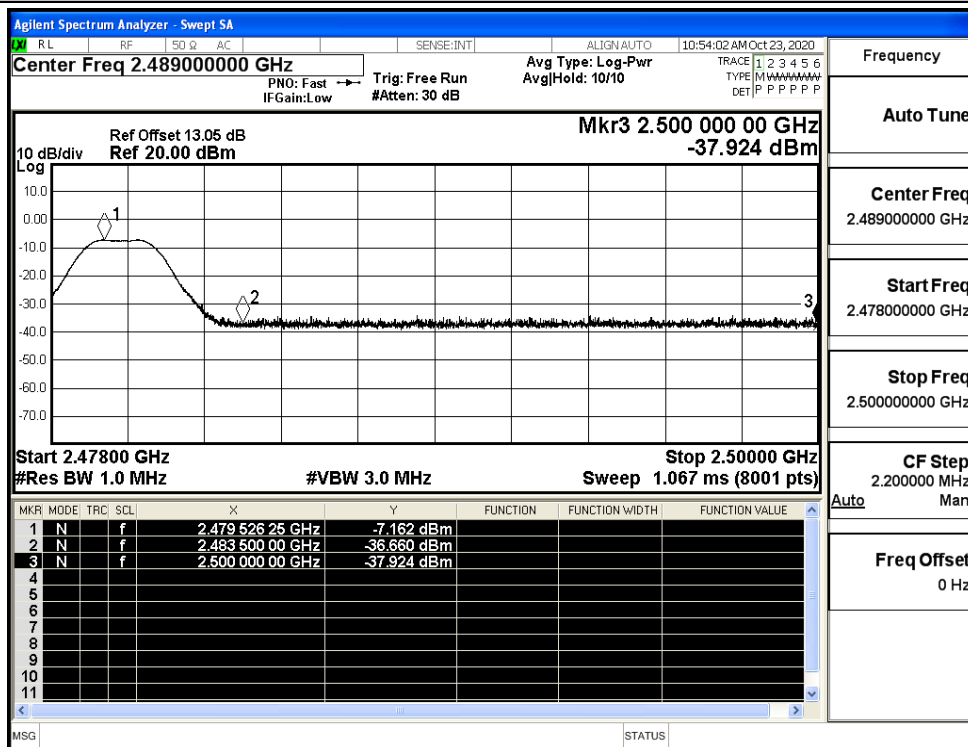
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK(2Mbps)



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV(2Mbps)



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK(2Mbps)



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV(2Mbps)

