

Appendix B

RF Test Data for BT V4.0(LE) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: FUSION5

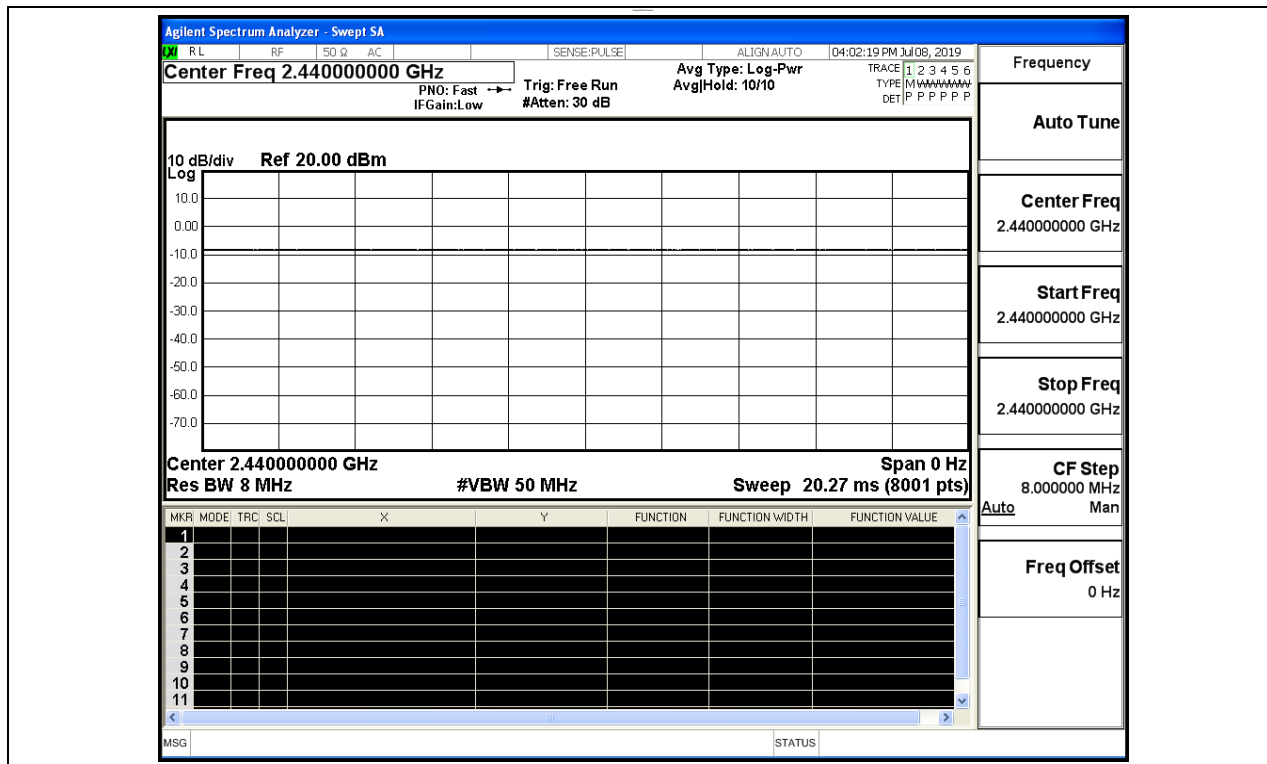
Test Model: FWIN232

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Lihuan
Supervised by:	Wang.Chuang

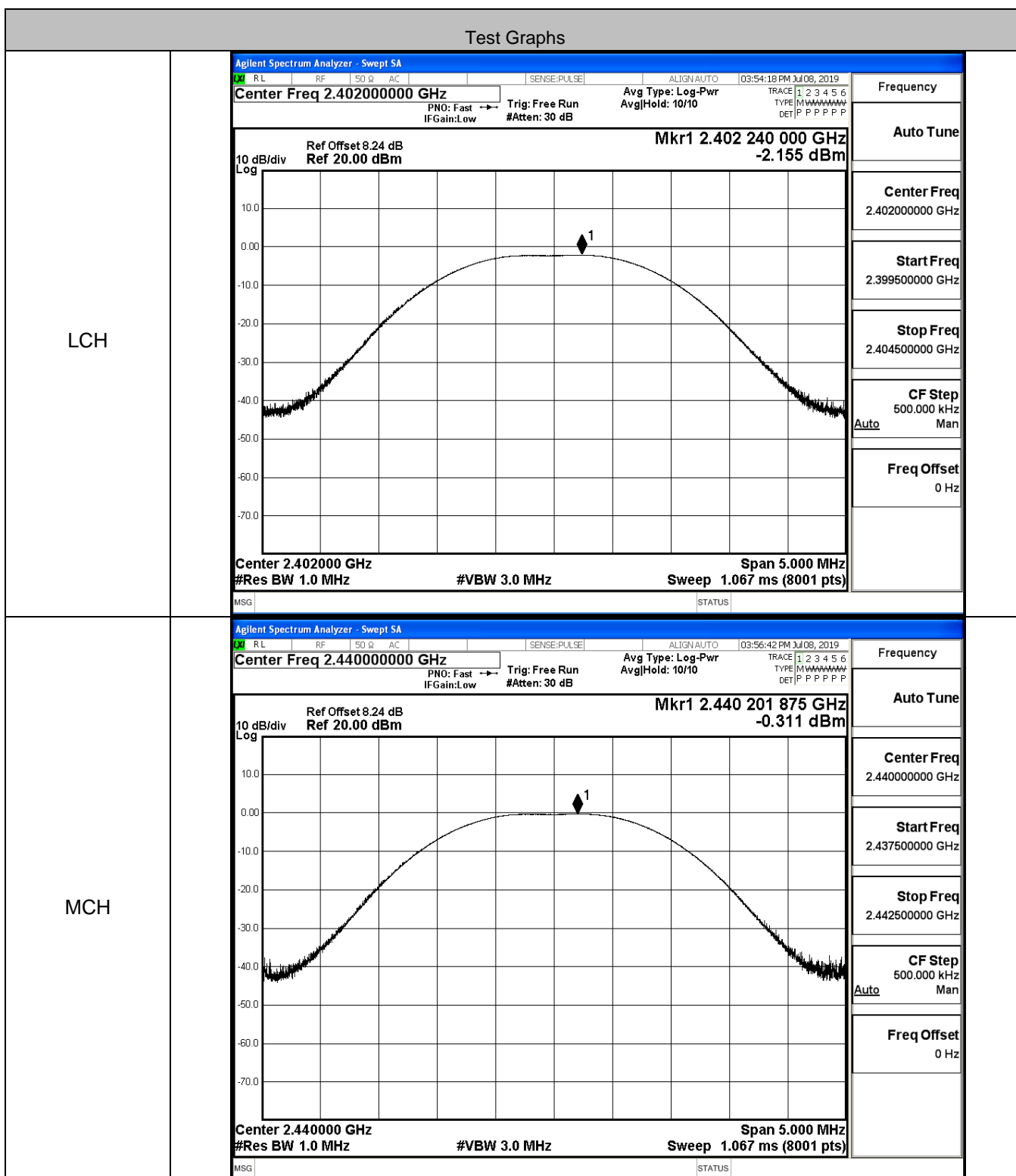
B.1 Duty Cycle

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

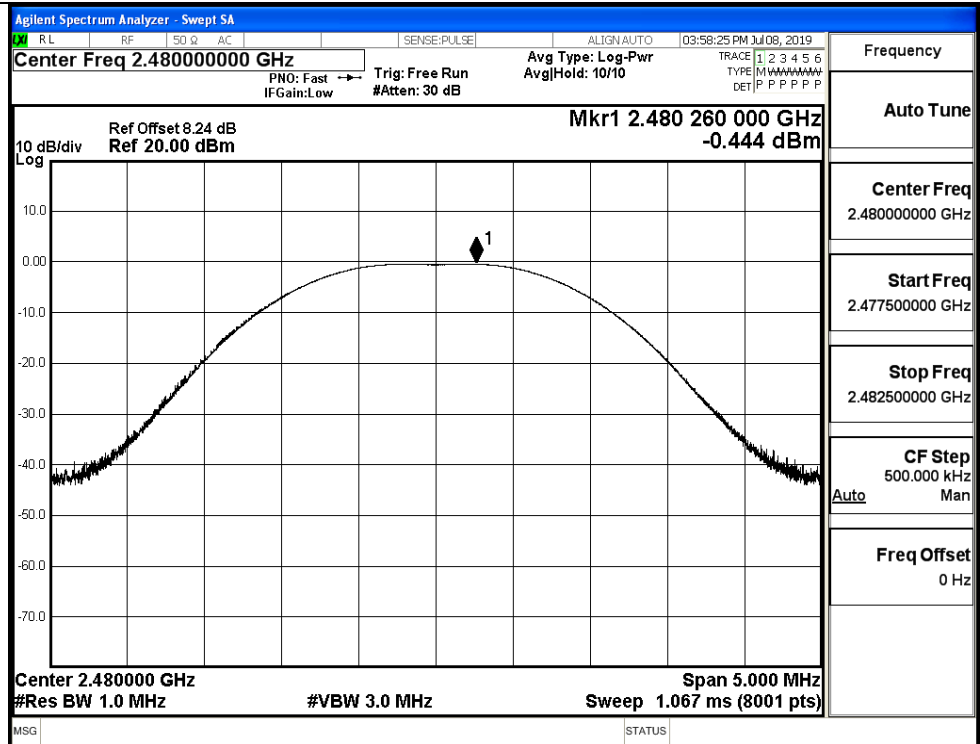


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.155	30	PASS
BT LE	MCH	-0.311	30	PASS
BT LE	HCH	-0.444	30	PASS



HCH

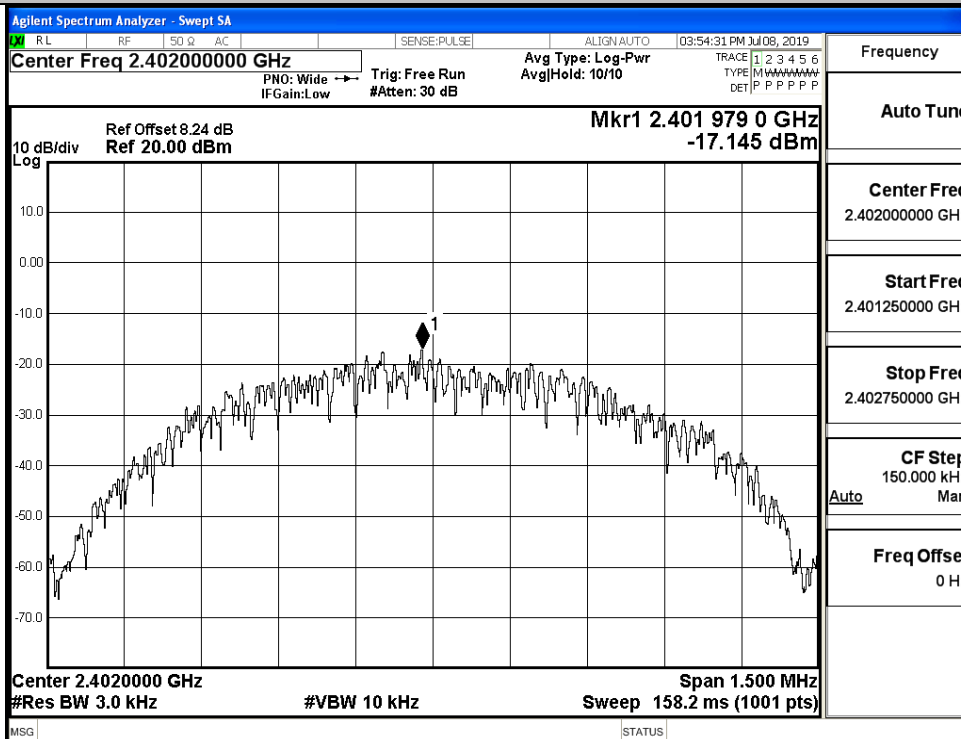


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.145	8	PASS
BT LE	MCH	-15.162	8	PASS
BT LE	HCH	-15.276	8	PASS

Test Graphs

LCH

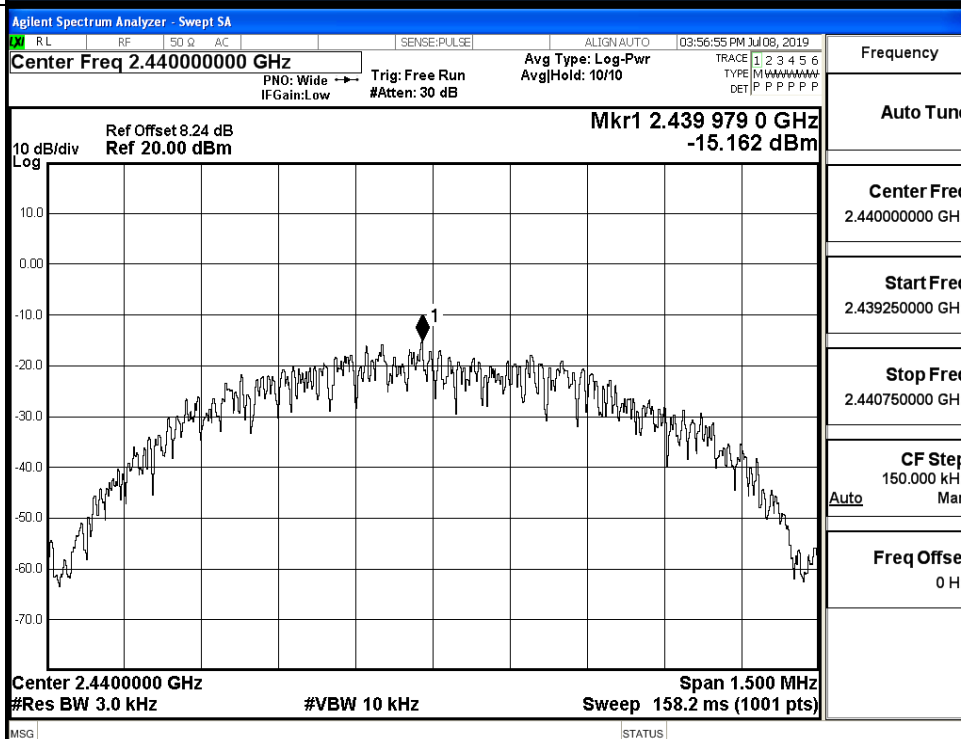


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

MCH

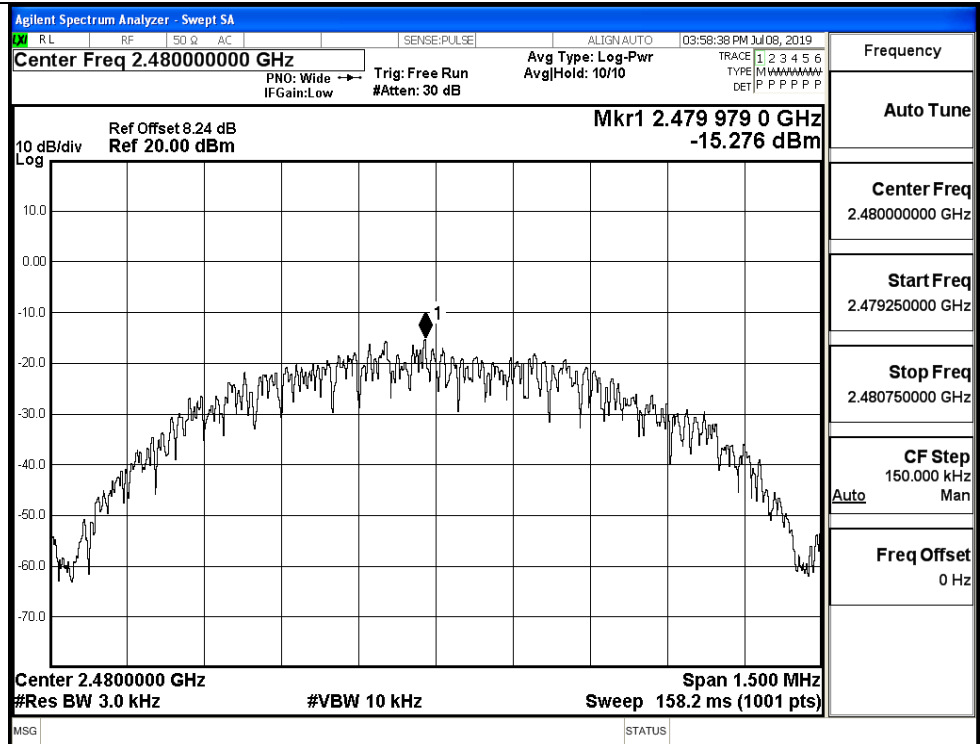


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

HCH

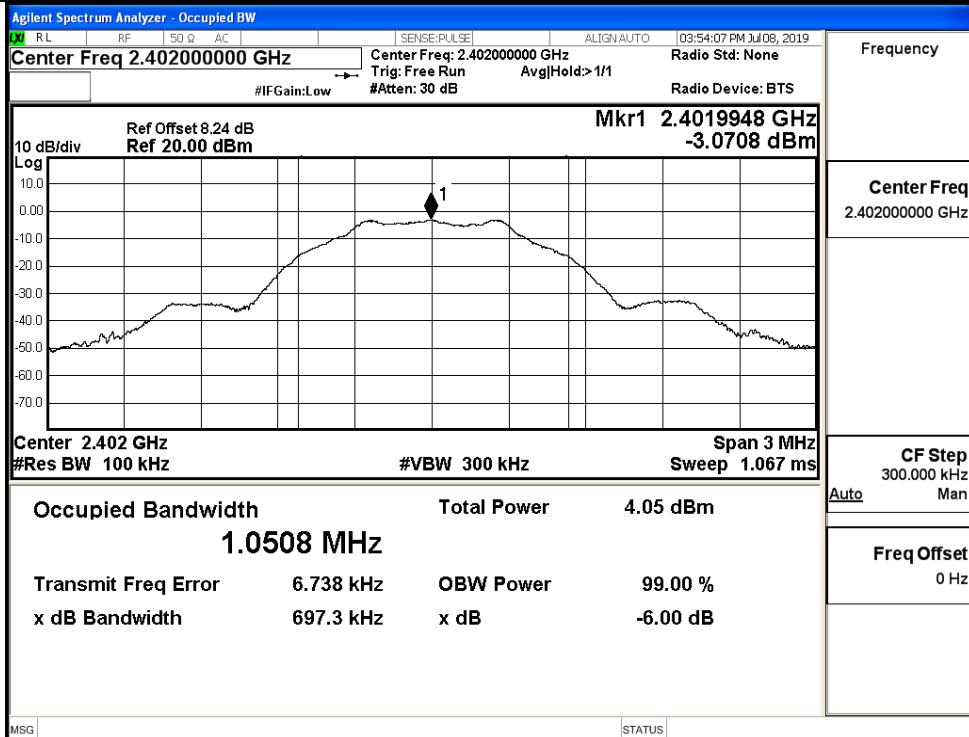


B.4 6dB Bandwidth

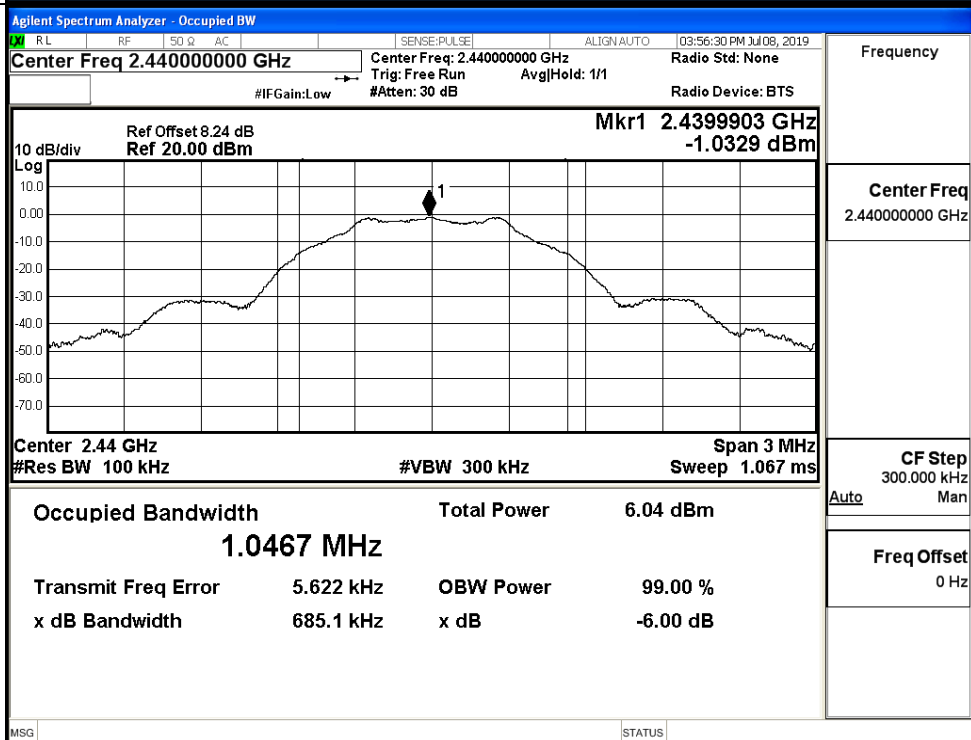
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6973	≥ 0.5	PASS
BT LE	MCH	0.6851	≥ 0.5	PASS
BT LE	HCH	0.6820	≥ 0.5	PASS

Test Graphs

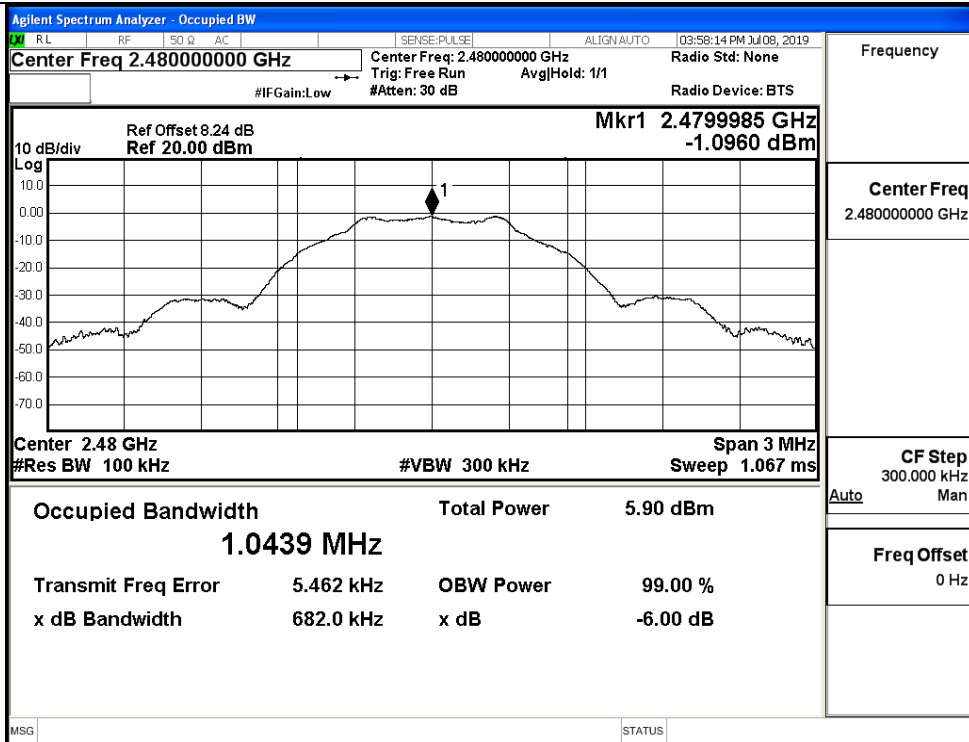
LCH



MCH



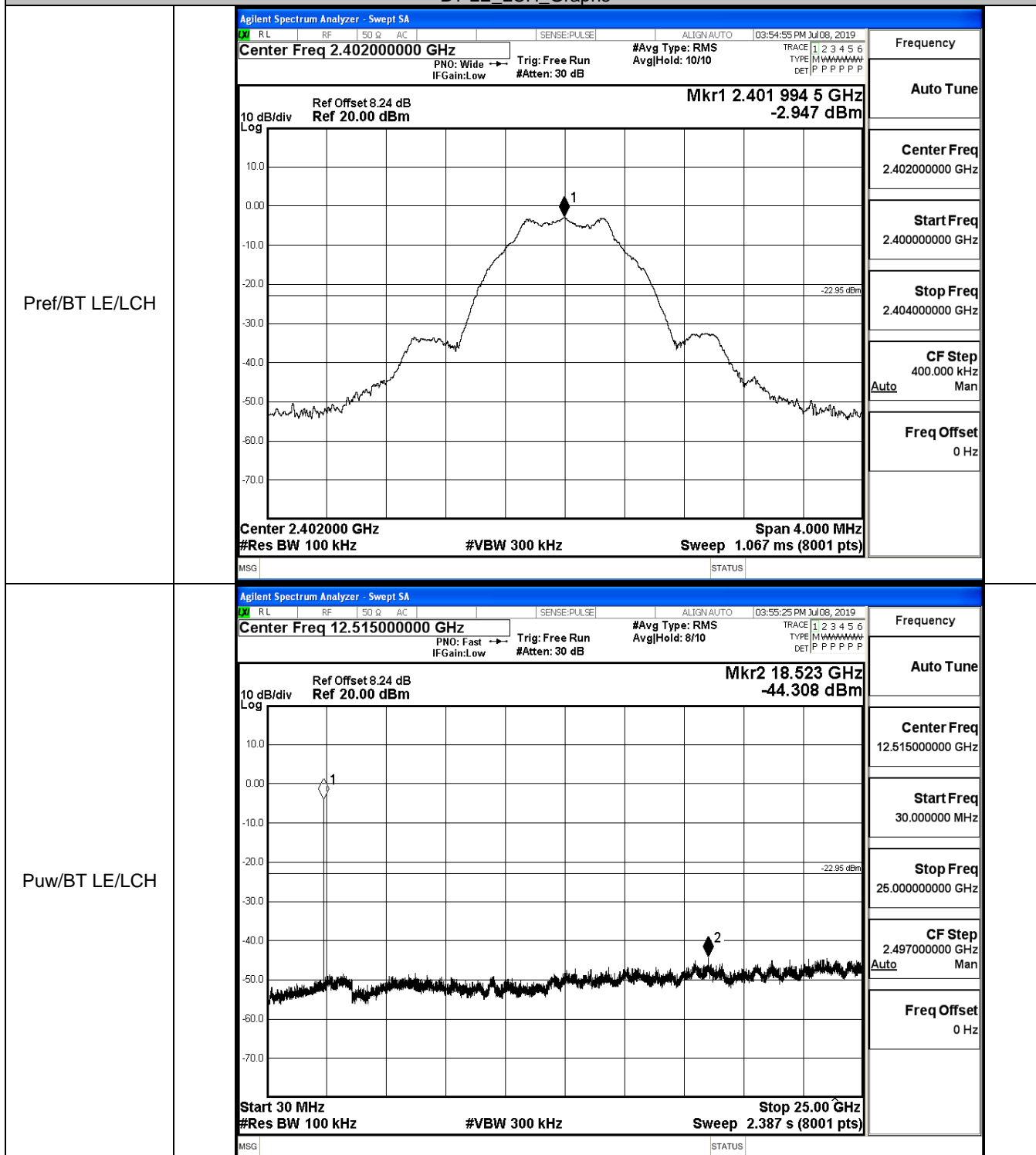
HCH



B.5 RF Conducted Spurious Emissions

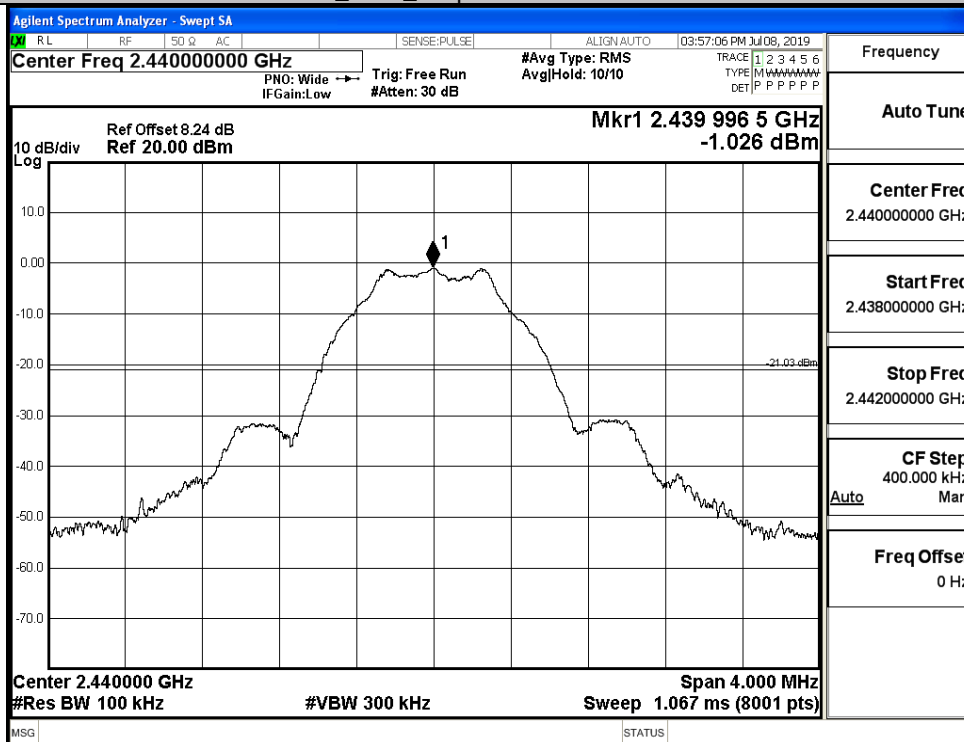
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.947	-44.308	-22.947	PASS
BT LE	MCH	-1.026	-34.769	-21.026	PASS
BT LE	HCH	-1.218	-30.551	-21.218	PASS

BT LE_LCH_Graphs

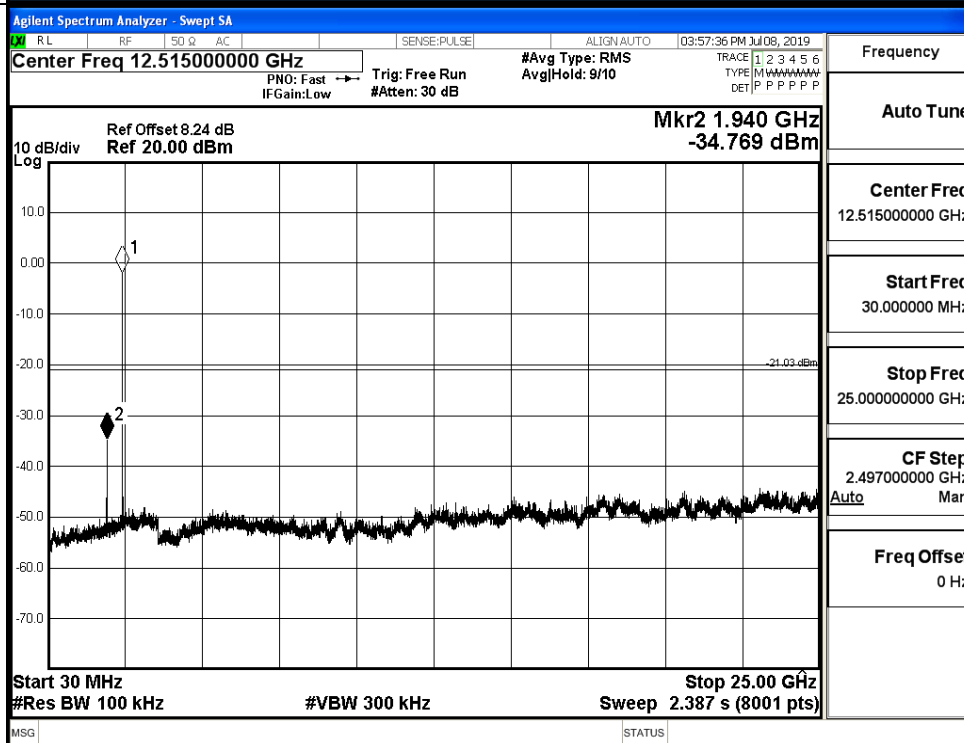


BT LE_MCH_Graphs

Pref/BT LE/MCH

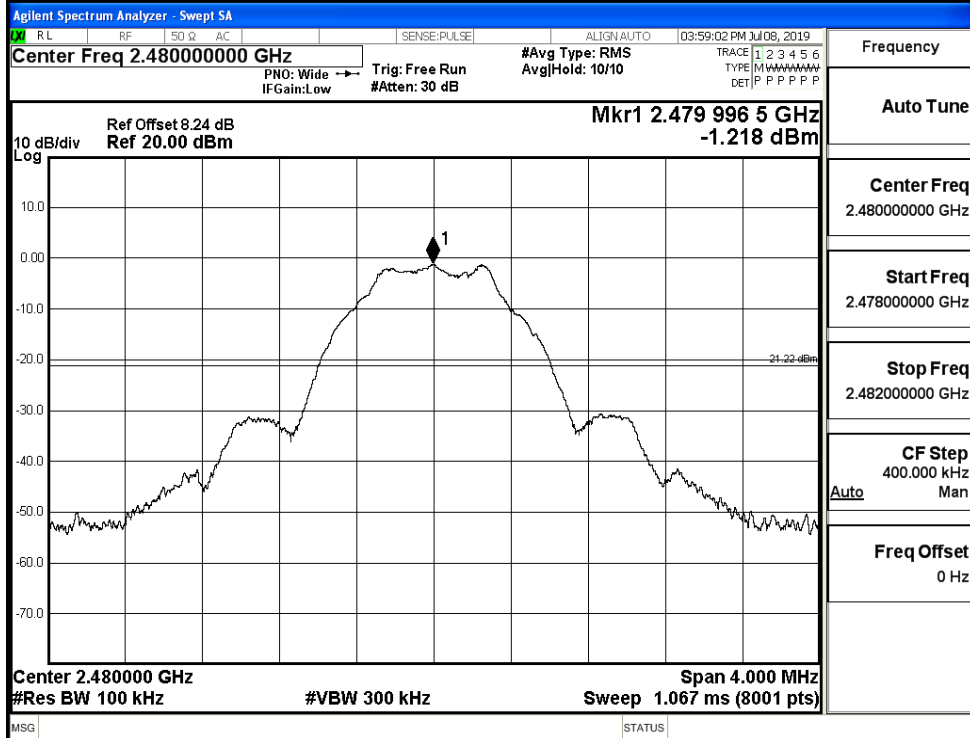


Puw/BT LE/MCH

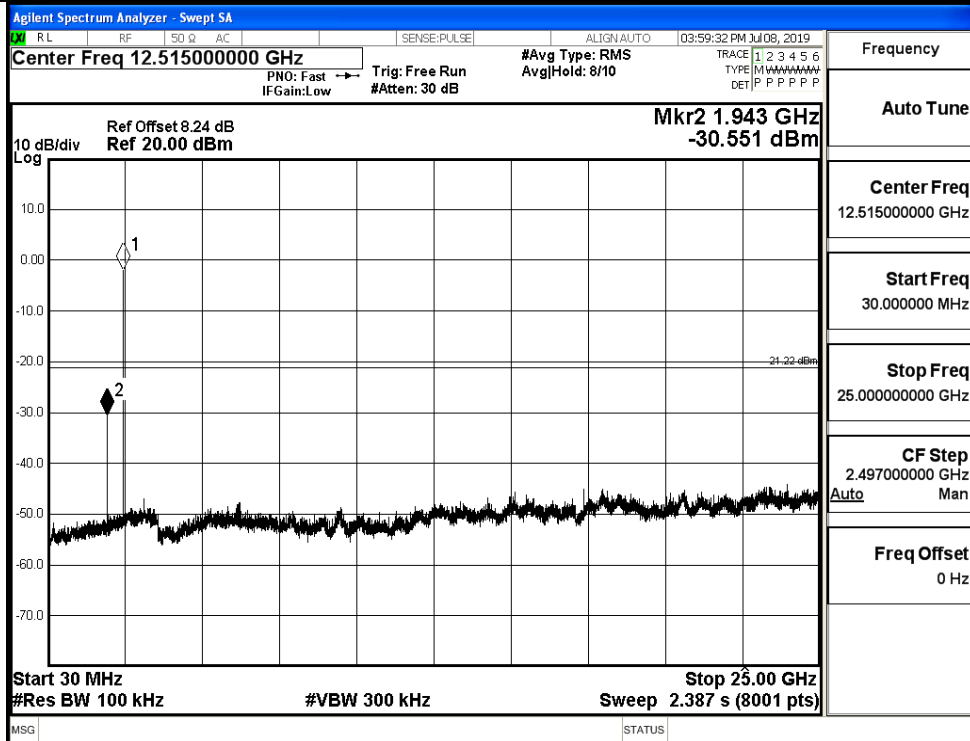


BT LE_HCH_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

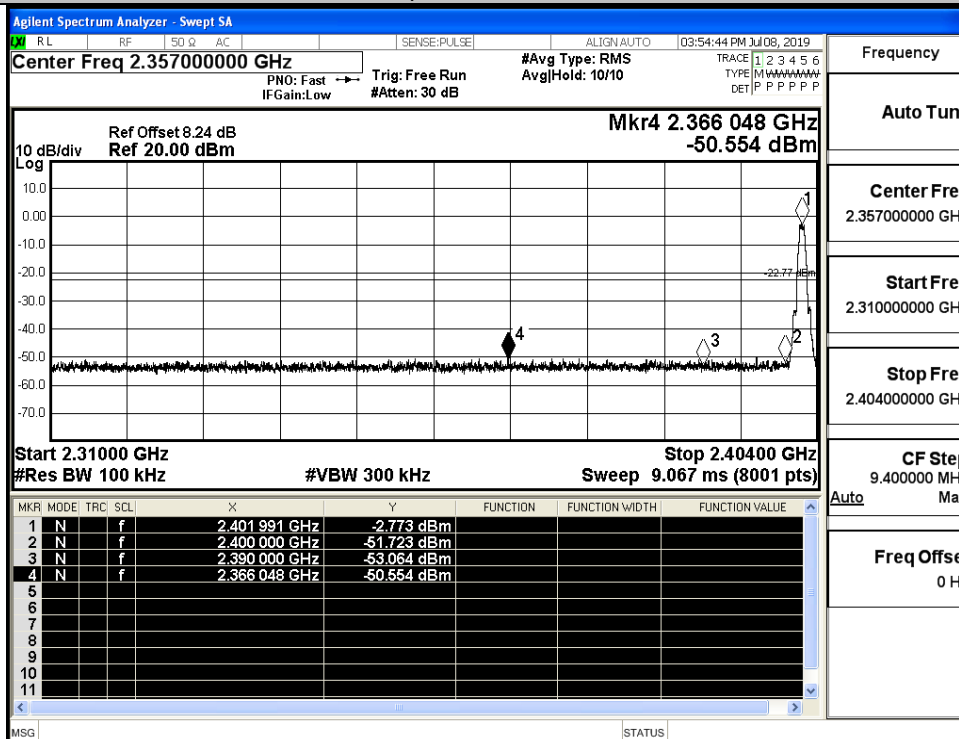


B.6 Band-edge for RF Conducted Emissions

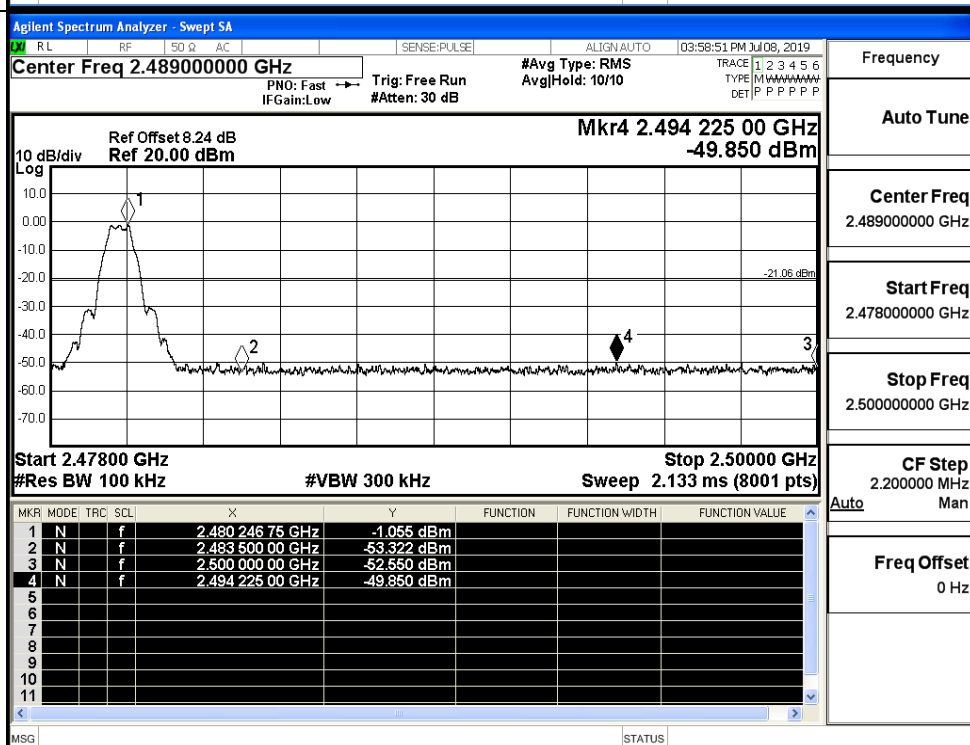
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.773	-50.554	-22.77	PASS
BT LE	HCH	-1.055	-49.850	-21.06	PASS

Test Graphs

LCH



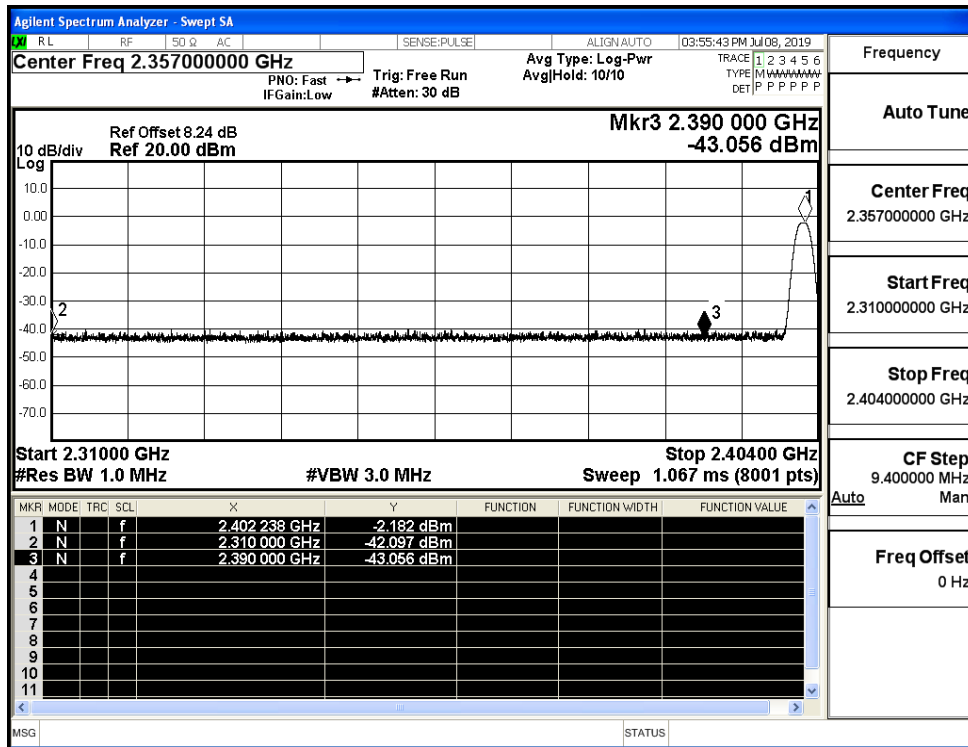
HCH



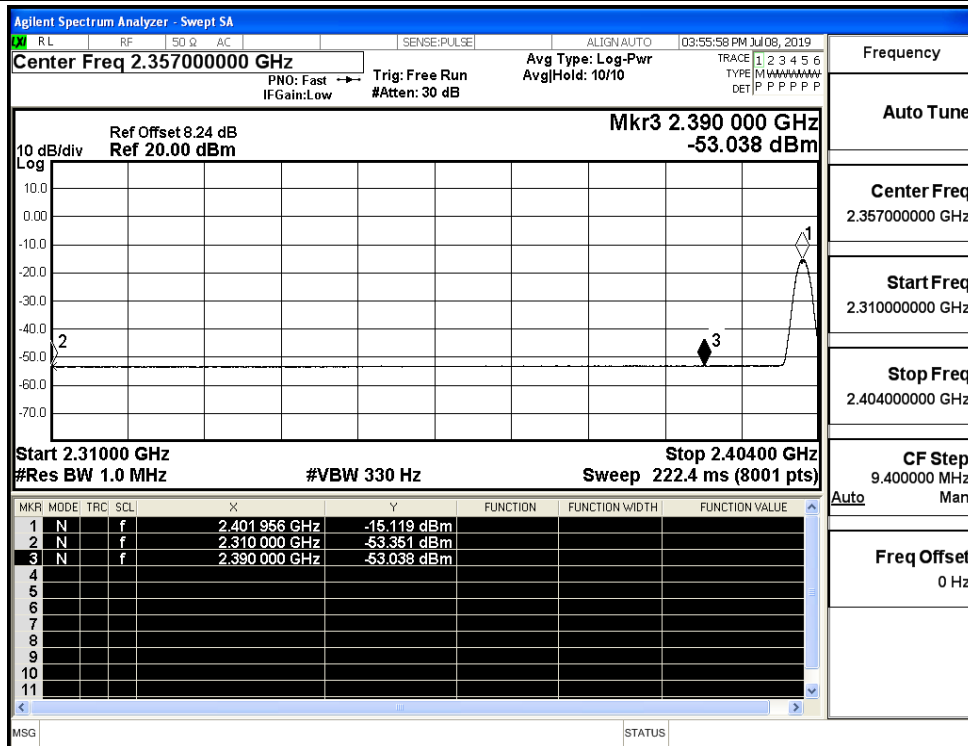
B.7 Restrict-band band-edge measurements

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	-42.10	2.5	0	55.66	PEAK	74	PASS
		Ant1	2310.0	-53.35	2.5	0	44.41	AV	54	PASS
		Ant1	2390.0	-43.06	2.5	0	54.7	PEAK	74	PASS
		Ant1	2390.0	-53.04	2.5	0	44.72	AV	54	PASS
	2480	Ant1	2483.5	-43.68	2.5	0	54.08	PEAK	74	PASS
		Ant1	2483.5	-52.87	2.5	0	44.89	AV	54	PASS
		Ant1	2500.0	-42.77	2.5	0	54.99	PEAK	74	PASS
		Ant1	2500.0	-52.69	2.5	0	45.07	AV	54	PASS

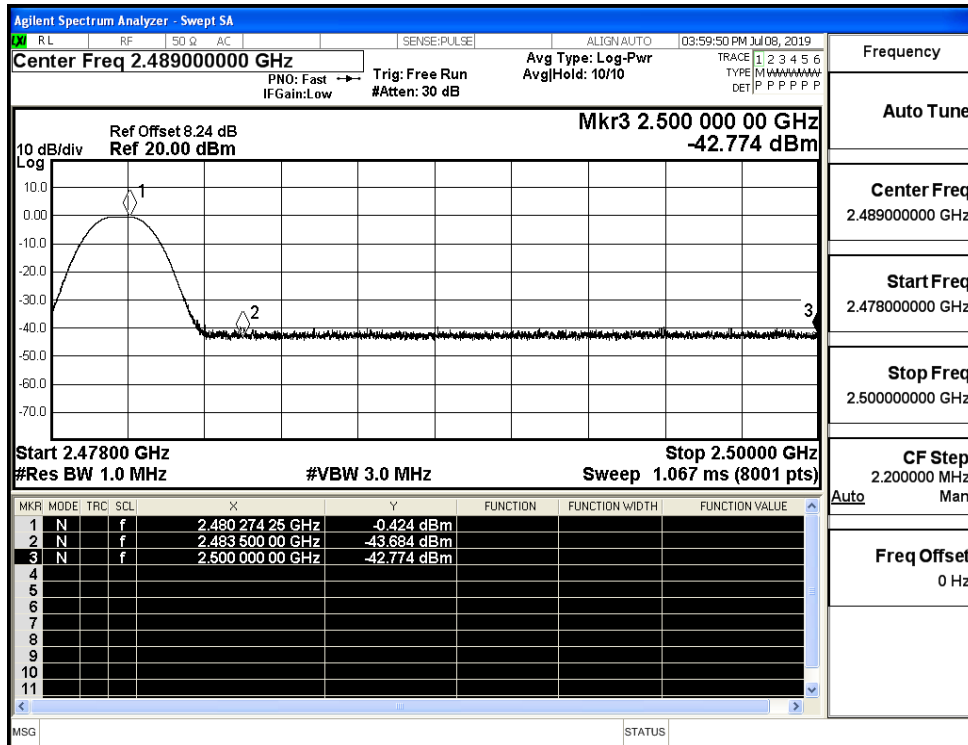
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

