

Appendix B

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

Product Name: Tablet pc

Trade Mark: **HYUNDAI**

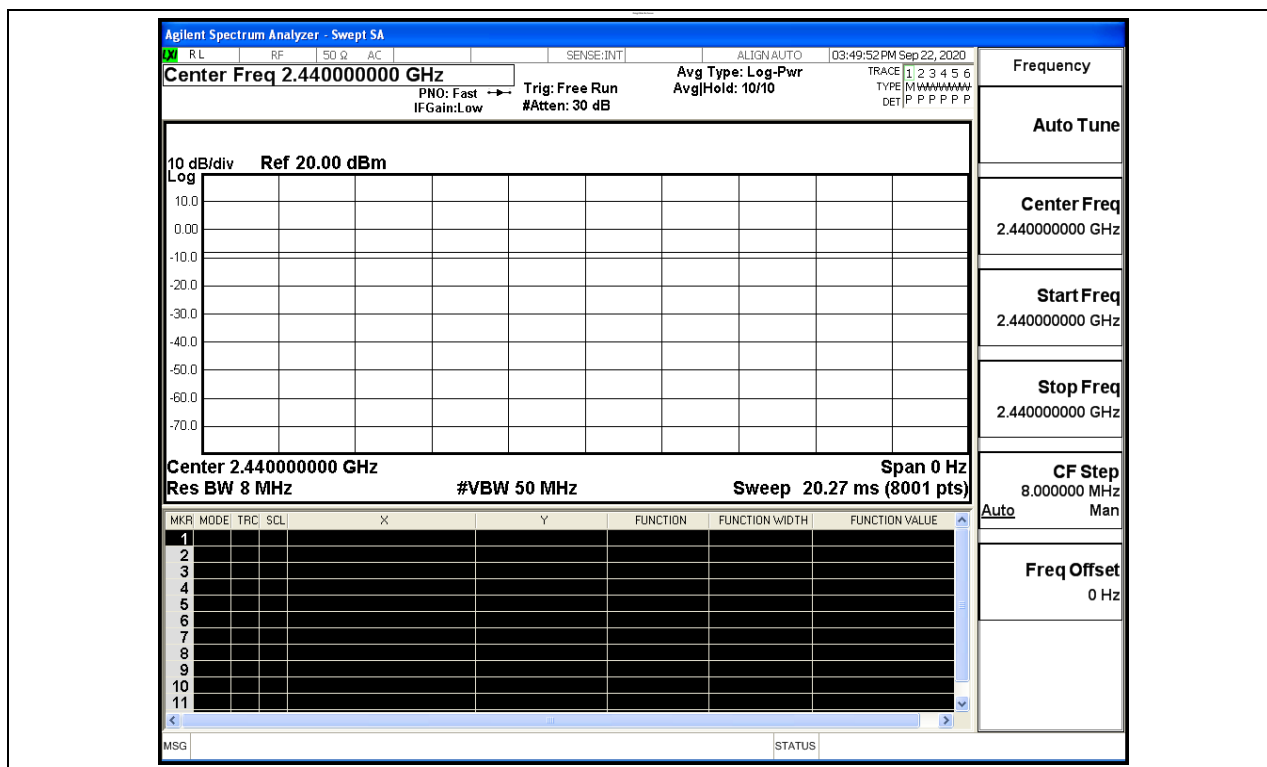
Test Model: 10WB1

Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Li huan
Supervised by:	Tom.Liu

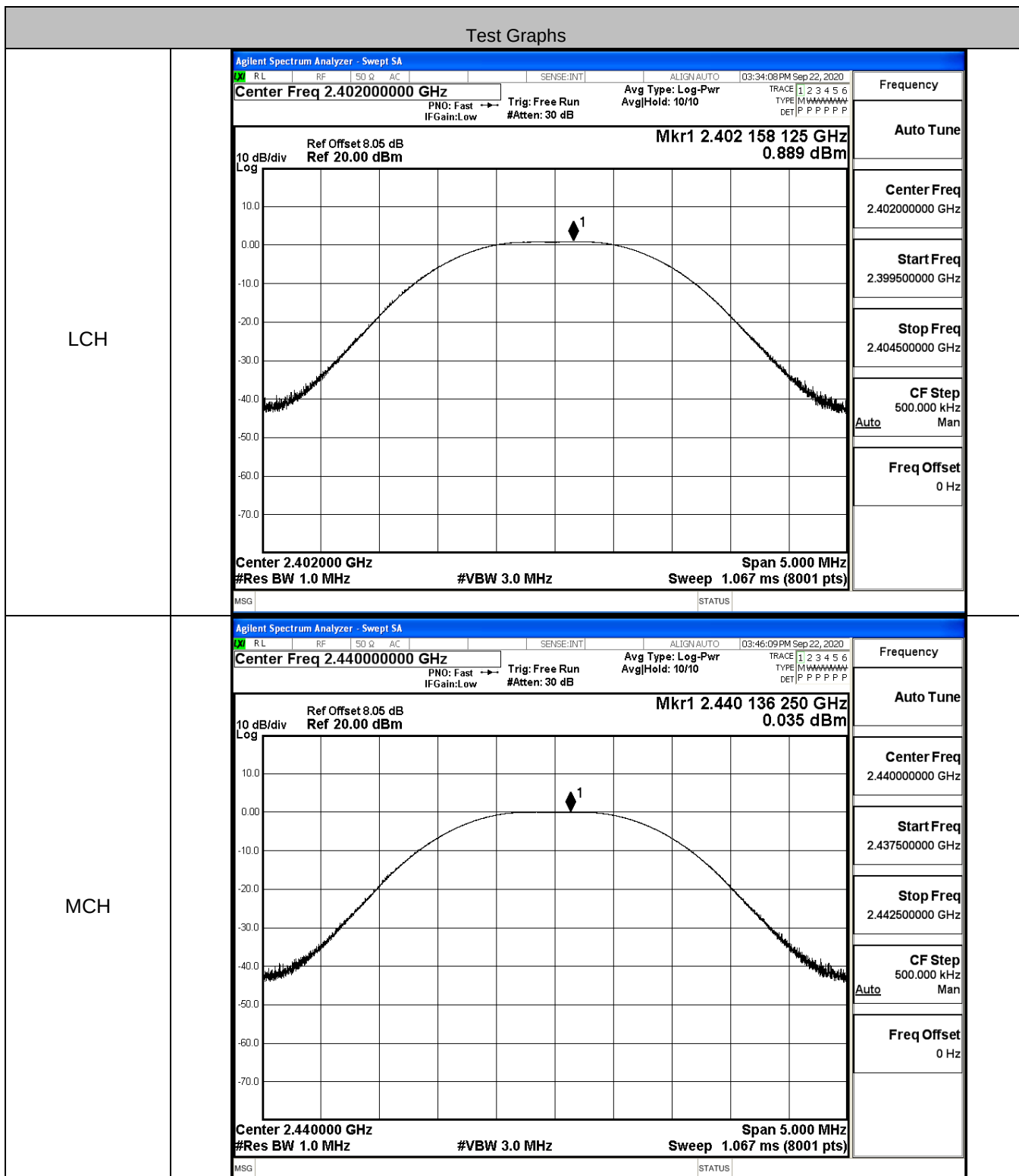
B.1 Duty Cycle

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

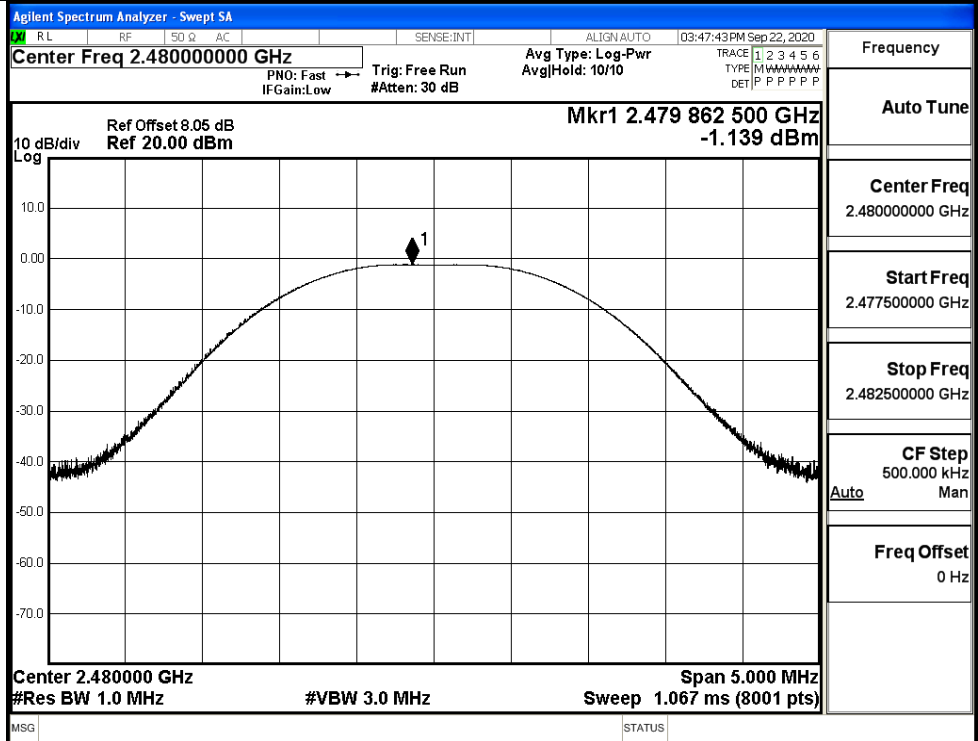


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.889	30	PASS
BT LE	MCH	0.035	30	PASS
BT LE	HCH	-1.139	30	PASS



HCH

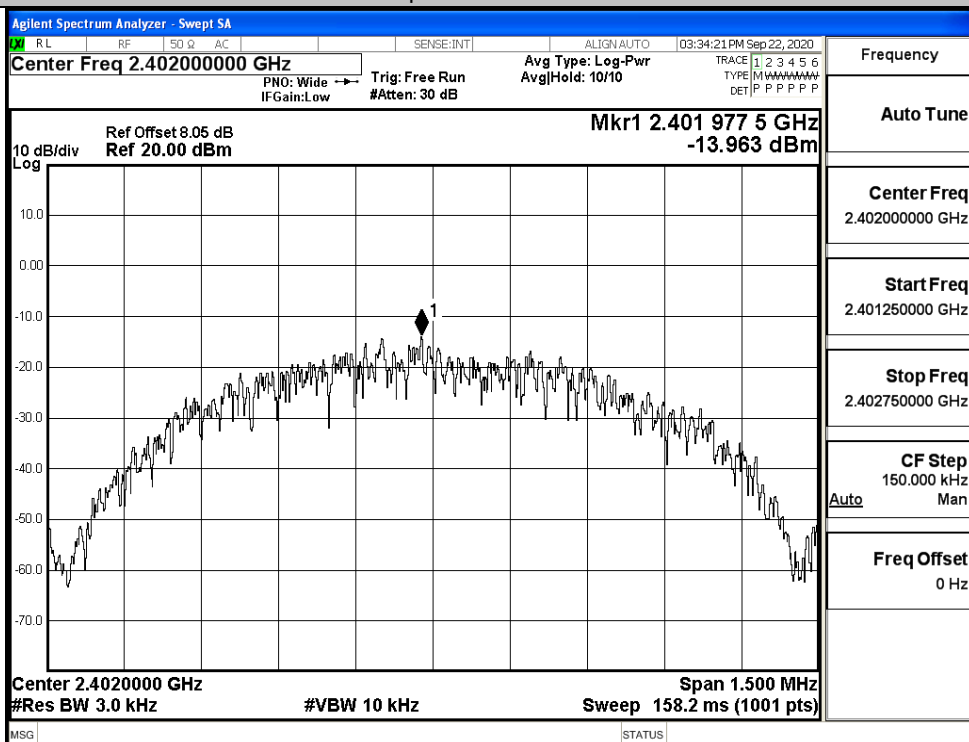


B.3 Maximum Power Spectral Density

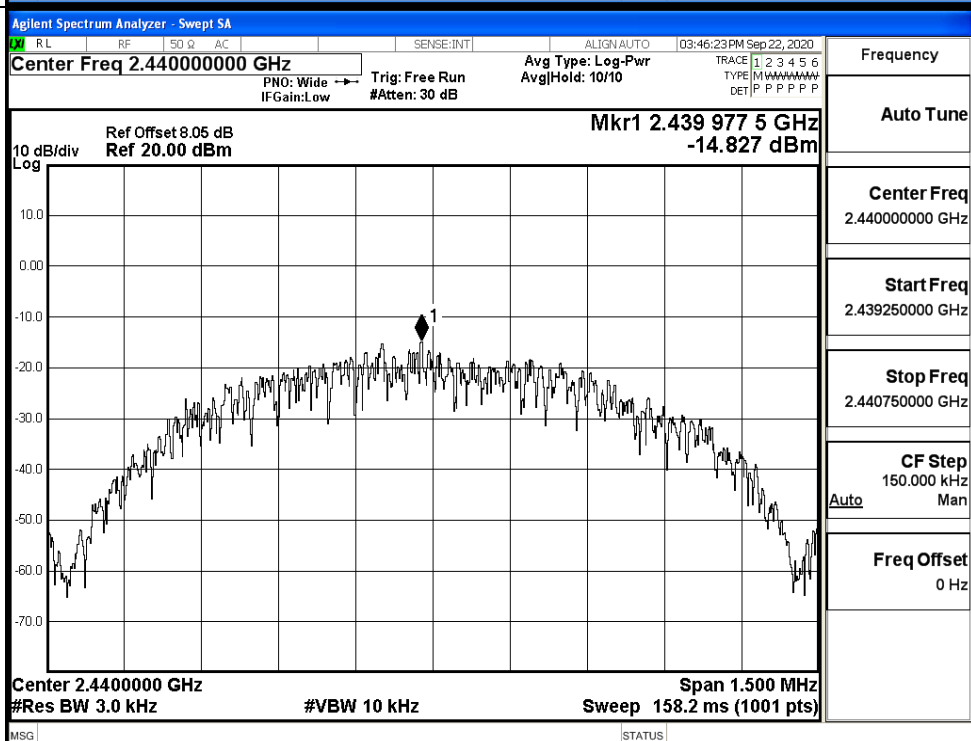
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.963	8	PASS
BT LE	MCH	-14.827	8	PASS
BT LE	HCH	-15.938	8	PASS

Test Graphs

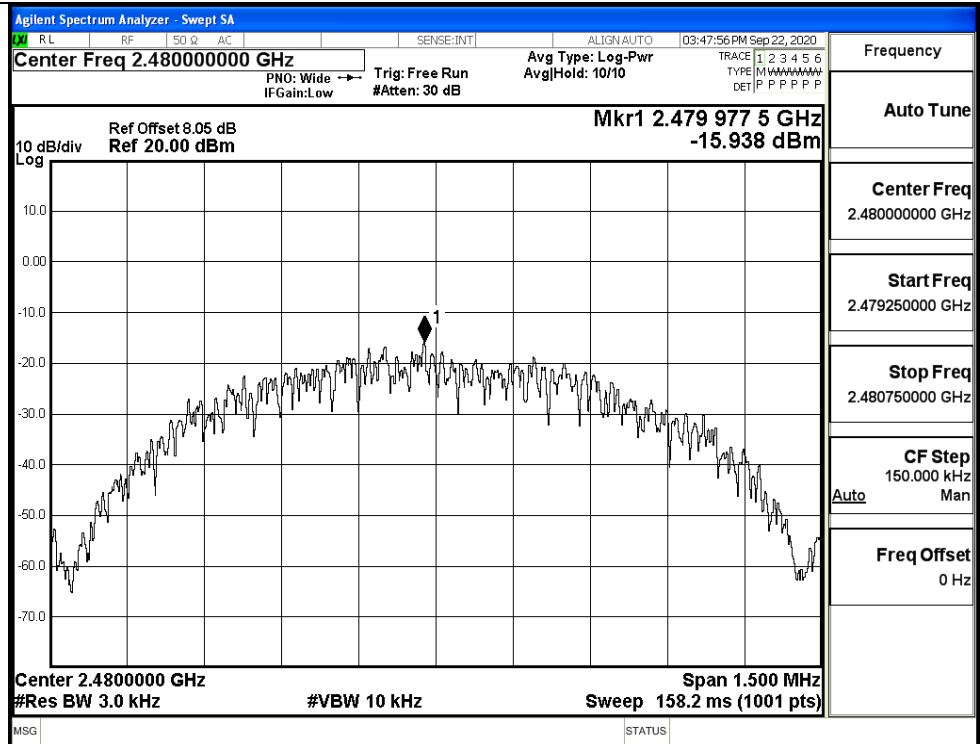
LCH



MCH



HCH

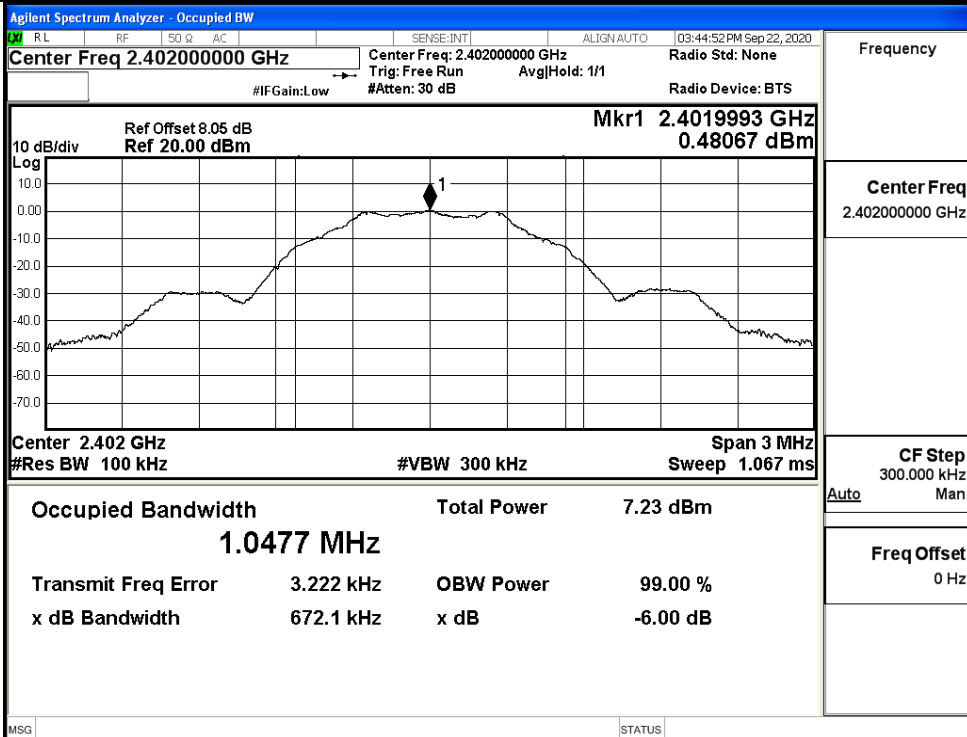


B.4 6dB Bandwidth

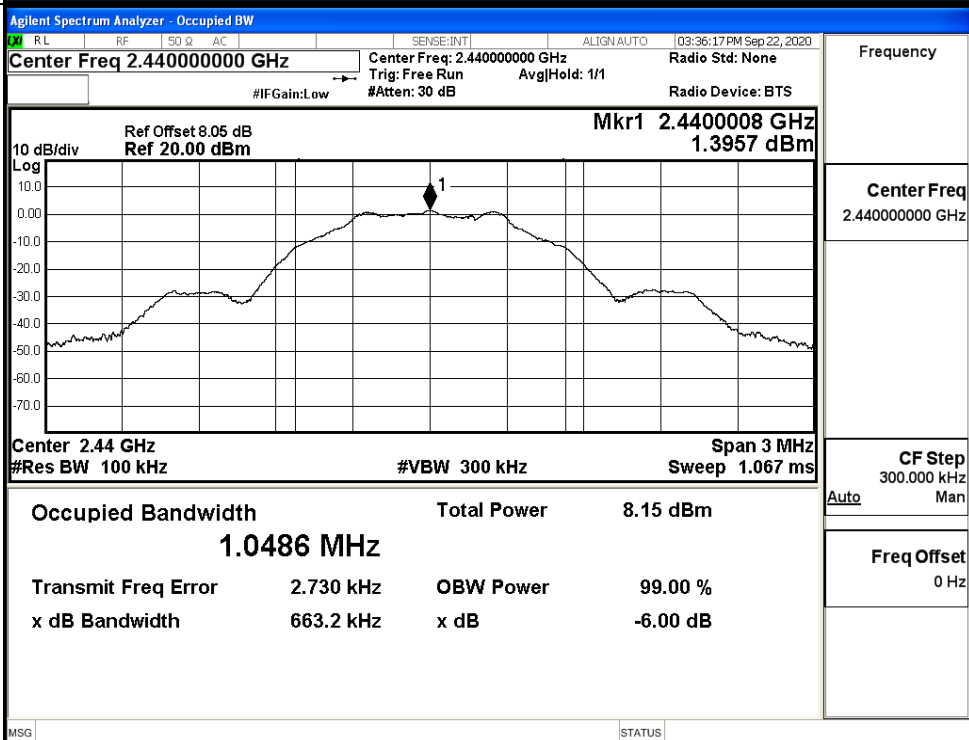
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6721	≥ 0.5	PASS
BT LE	MCH	0.6632	≥ 0.5	PASS
BT LE	HCH	0.6651	≥ 0.5	PASS

Test Graphs

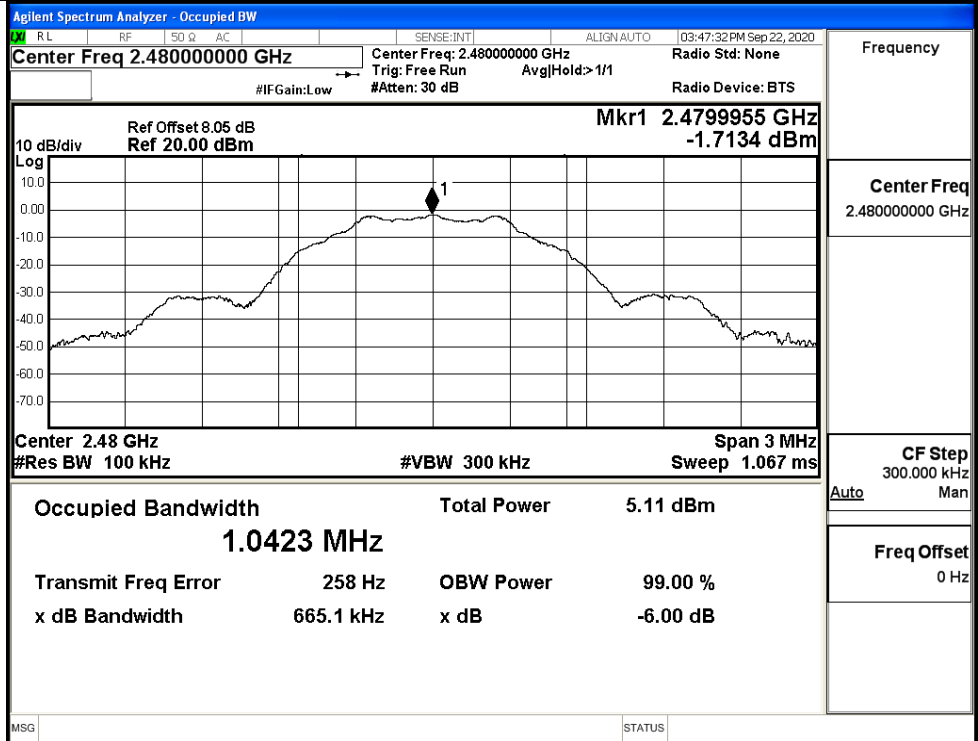
LCH



MCH



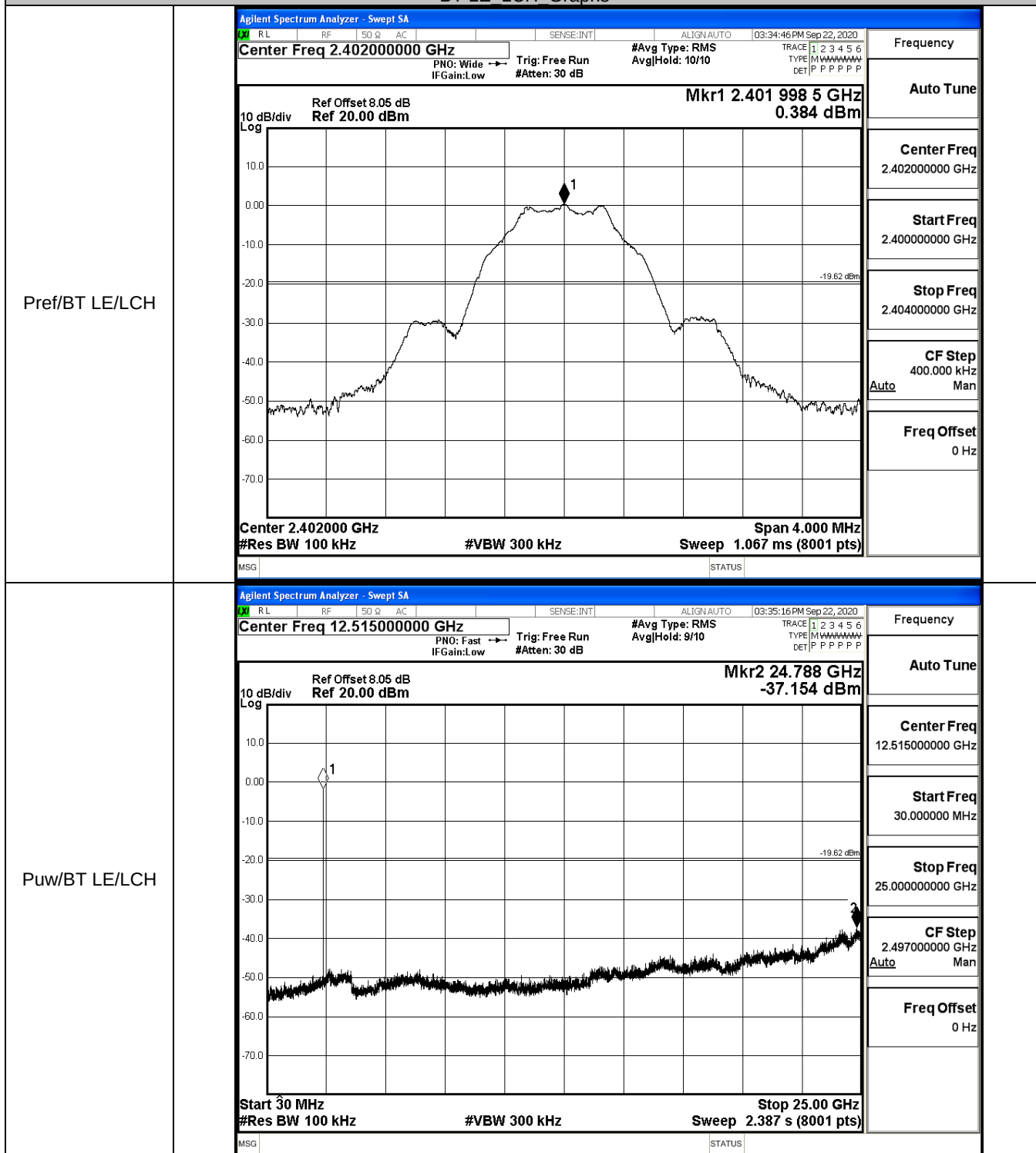
HCH



B.5 RF Conducted Spurious Emissions

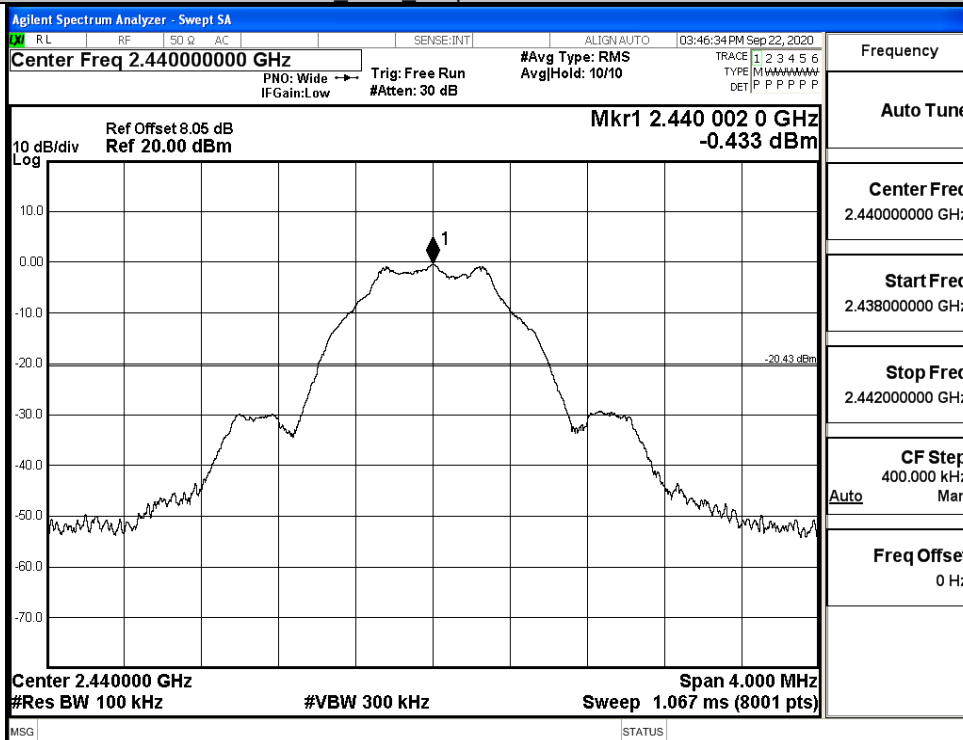
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.384	-37.154	-19.616	PASS
BT LE	MCH	-0.433	-37.418	-20.433	PASS
BT LE	HCH	-1.68	-37.621	-21.680	PASS

BT LE LCH Graphs

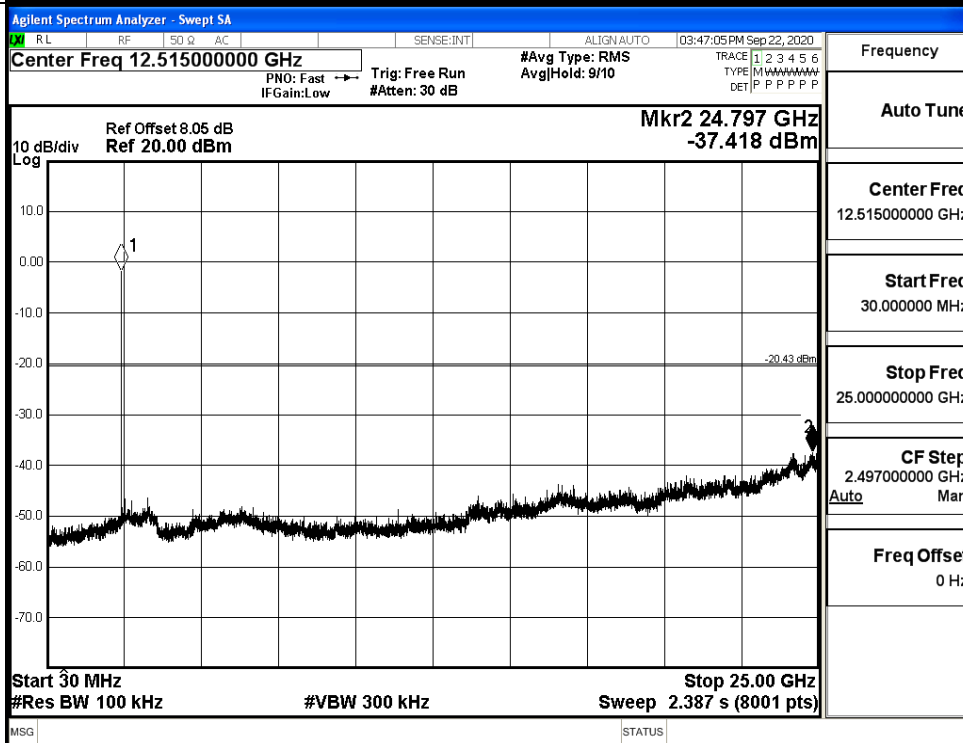


BT LE MCH Graphs

Pref/BT LE/MCH

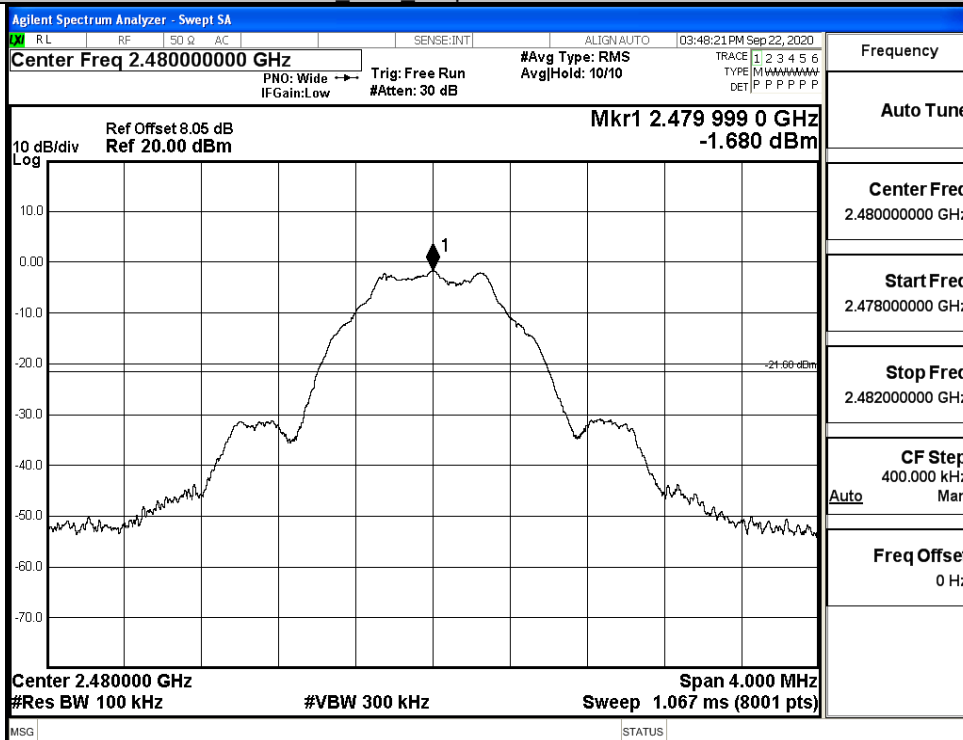


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

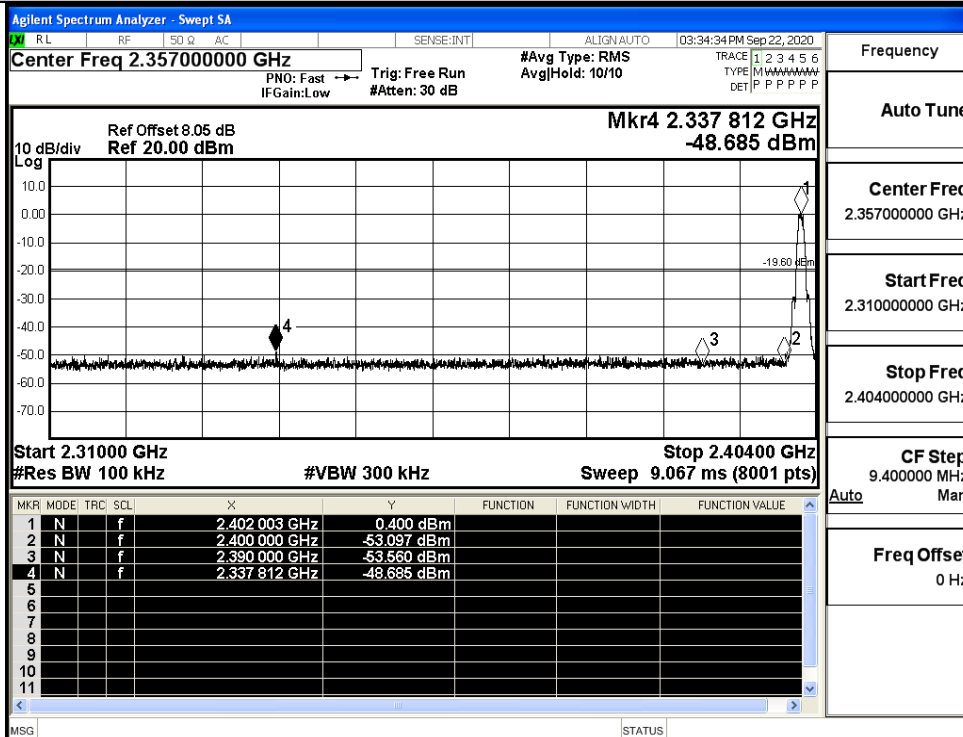


B.6 Band-edge for RF Conducted Emissions

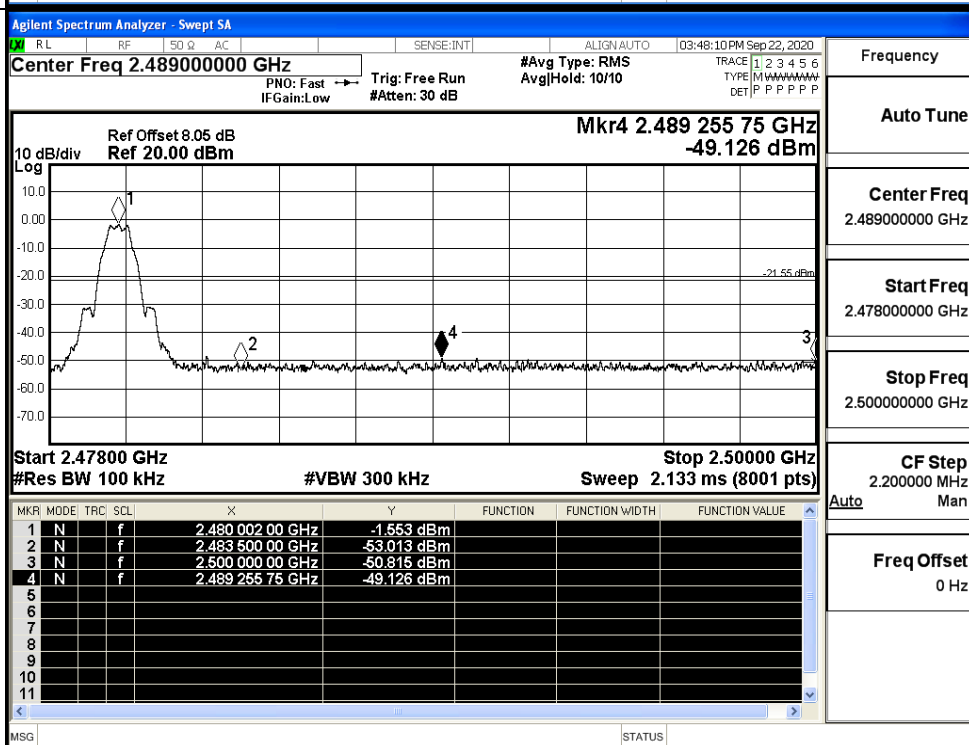
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.400	-48.685	-19.6	PASS
BT LE	HCH	-1.553	-49.126	-21.55	PASS

Test Graphs

LCH



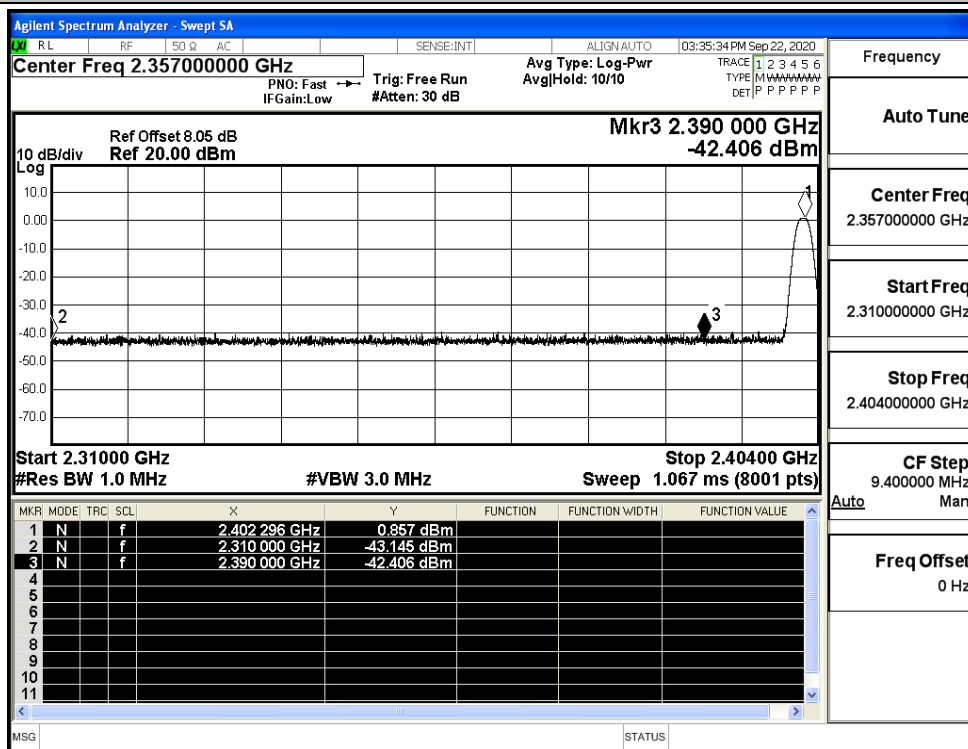
HCH



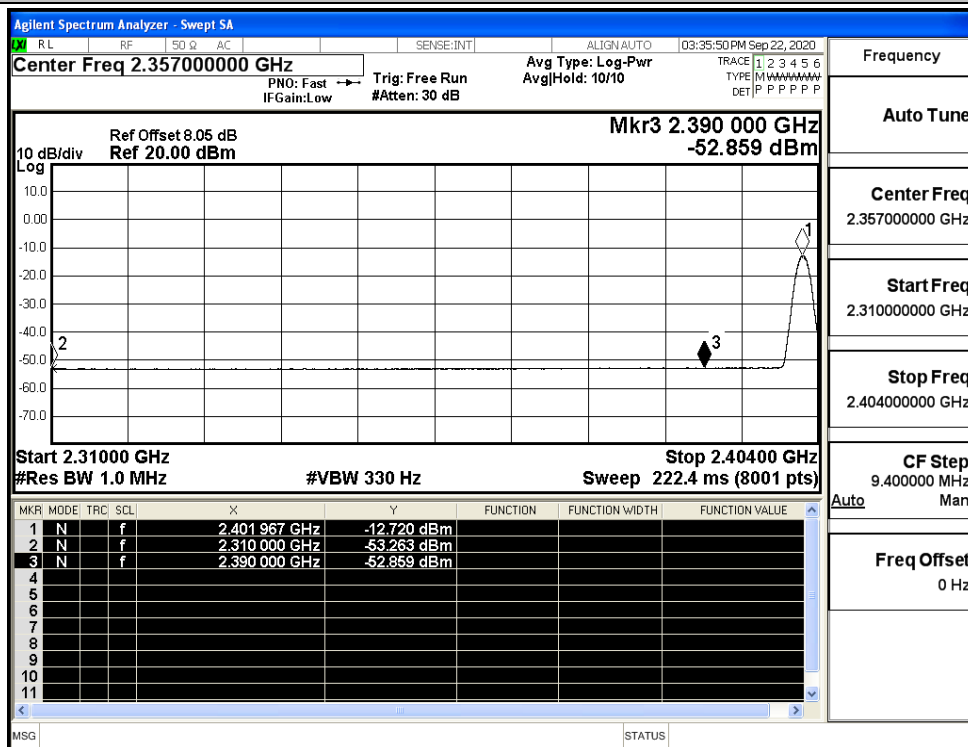
B.7 Restrict-band band-edge measurements

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	-43.15	2.0	0	54.11	PEAK	74	PASS
		Ant1	2310.0	-53.26	2.0	0	44.00	AV	54	PASS
		Ant1	2390.0	-42.41	2.0	0	54.85	PEAK	74	PASS
		Ant1	2390.0	-52.86	2.0	0	44.40	AV	54	PASS
	2480	Ant1	2483.5	-41.34	2.0	0	55.92	PEAK	74	PASS
		Ant1	2483.5	-52.56	2.0	0	44.70	AV	54	PASS
		Ant1	2500.0	-42.51	2.0	0	54.75	PEAK	74	PASS
		Ant1	2500.0	-52.35	2.0	0	44.91	AV	54	PASS

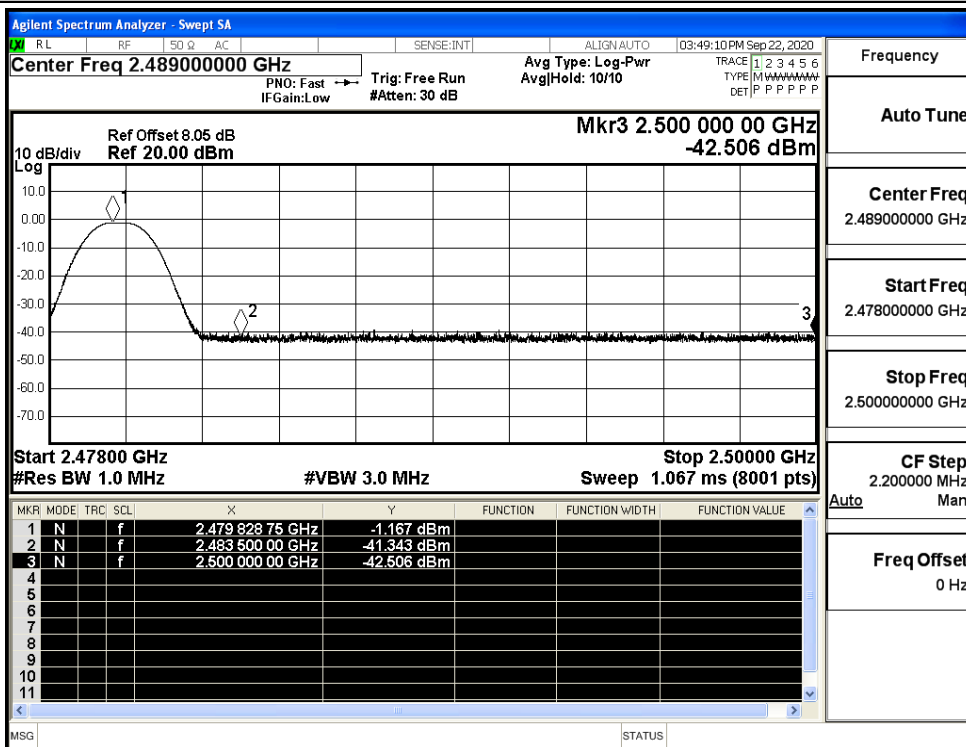
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

