

Appendix A

RF Test Data for BT V4.2 (BT LE) (Conducted Measurement)

Product Name: Electronic wallet

Trade Mark: Coinangel

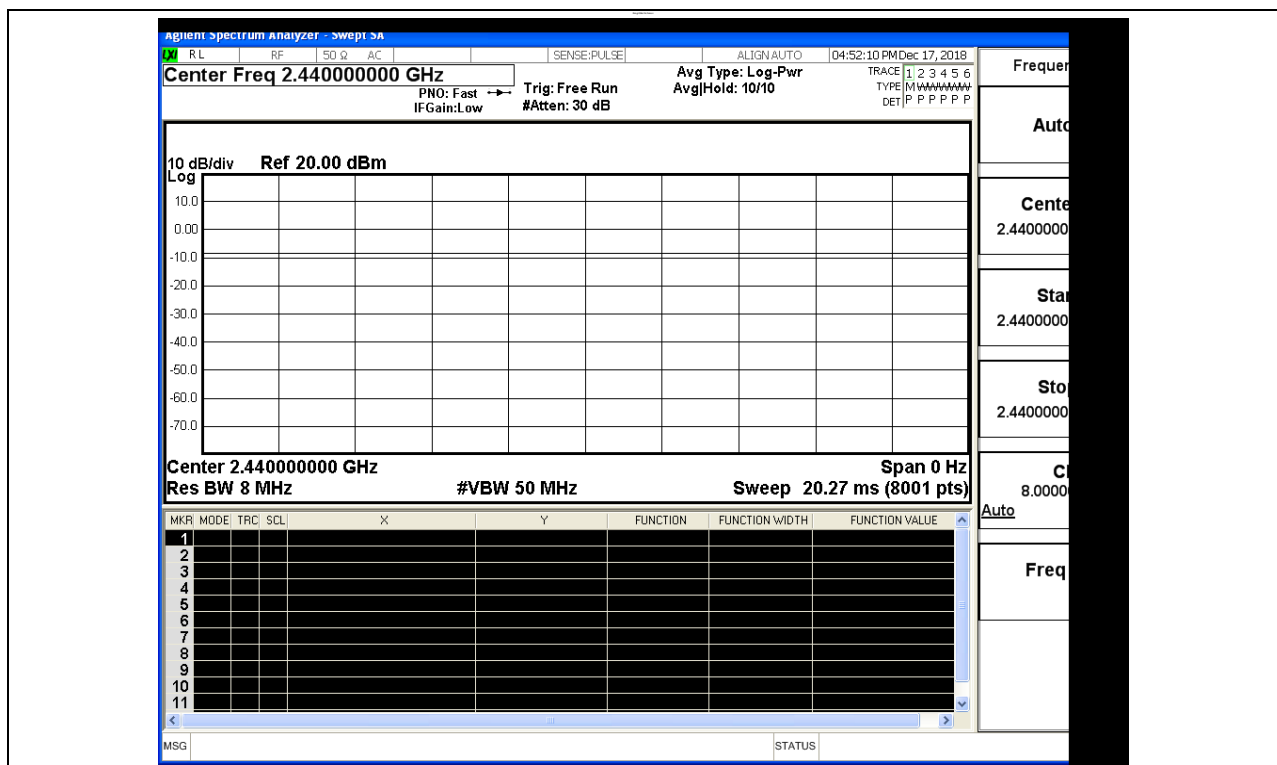
Test Model: V1.5

Environmental Conditions

Temperature:	23.3 ° C
Relative Humidity:	54.8%
ATM Pressure:	100.0 kPa
Test Engineer:	JERRY.ZENG
Supervised by:	Jayden.Zhuo

A.1 Duty Cycle

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

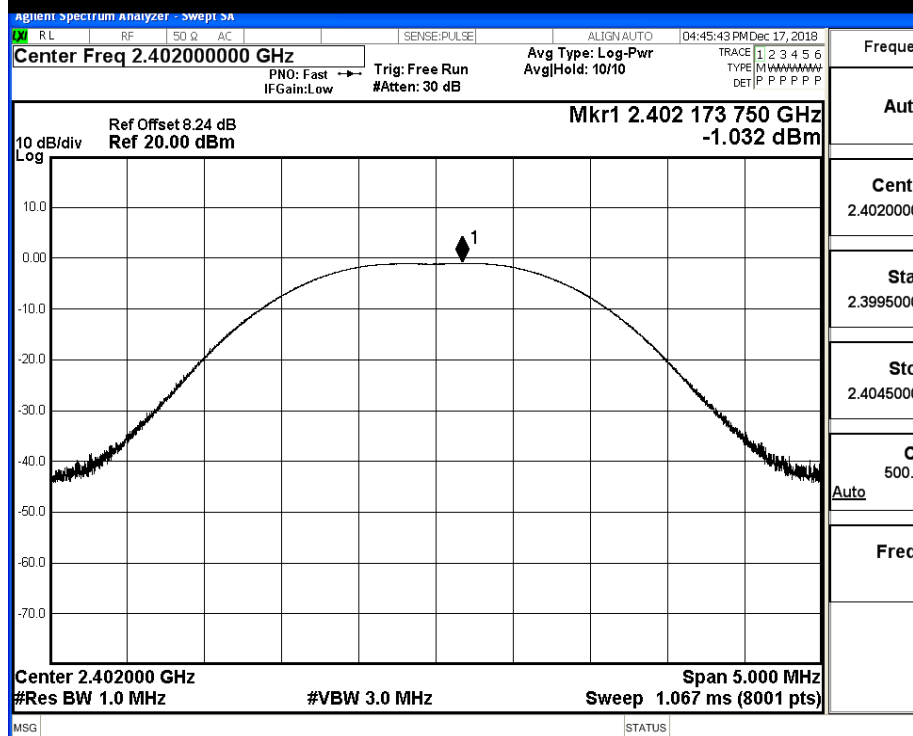


A.2 Maximum Conducted Peak Output Power

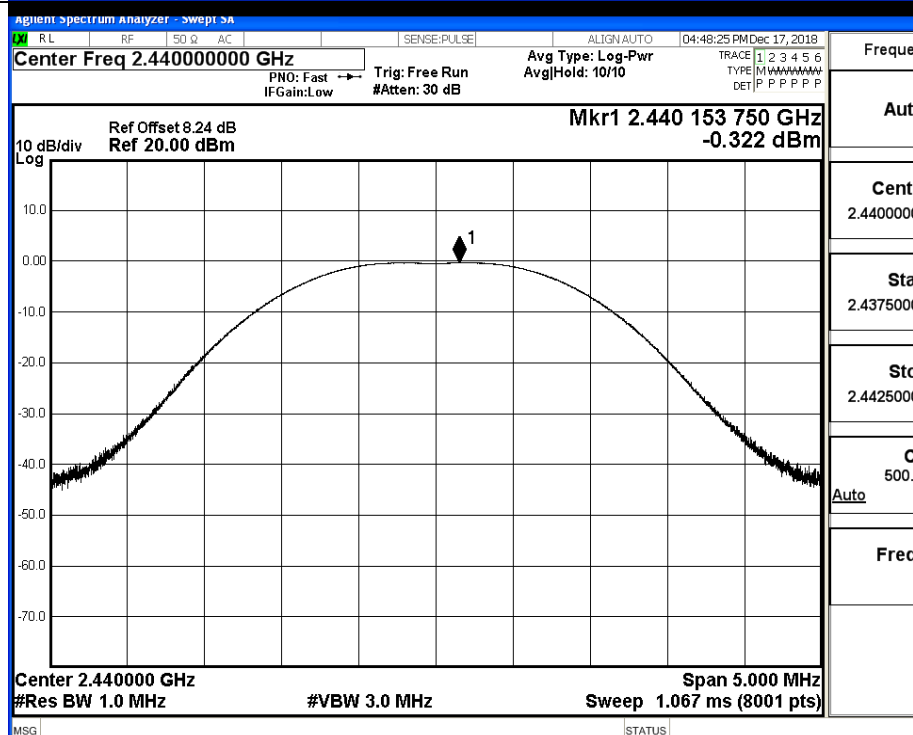
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.032	30	PASS
BT LE	MCH	-0.322	30	PASS
BT LE	HCH	-0.791	30	PASS

Test Graphs

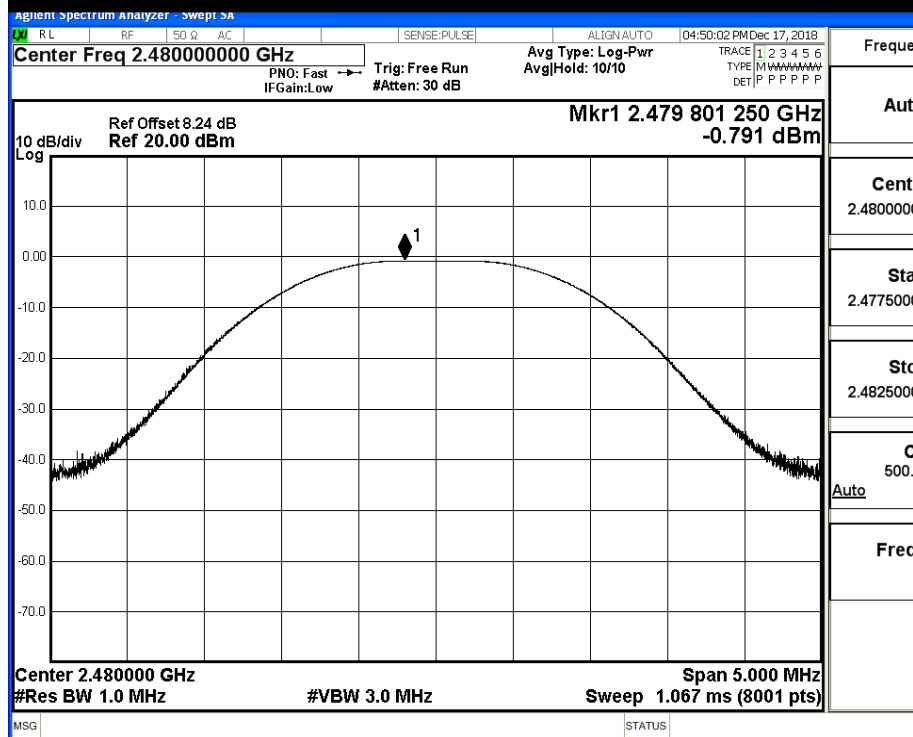
LCH



MCH



HCH

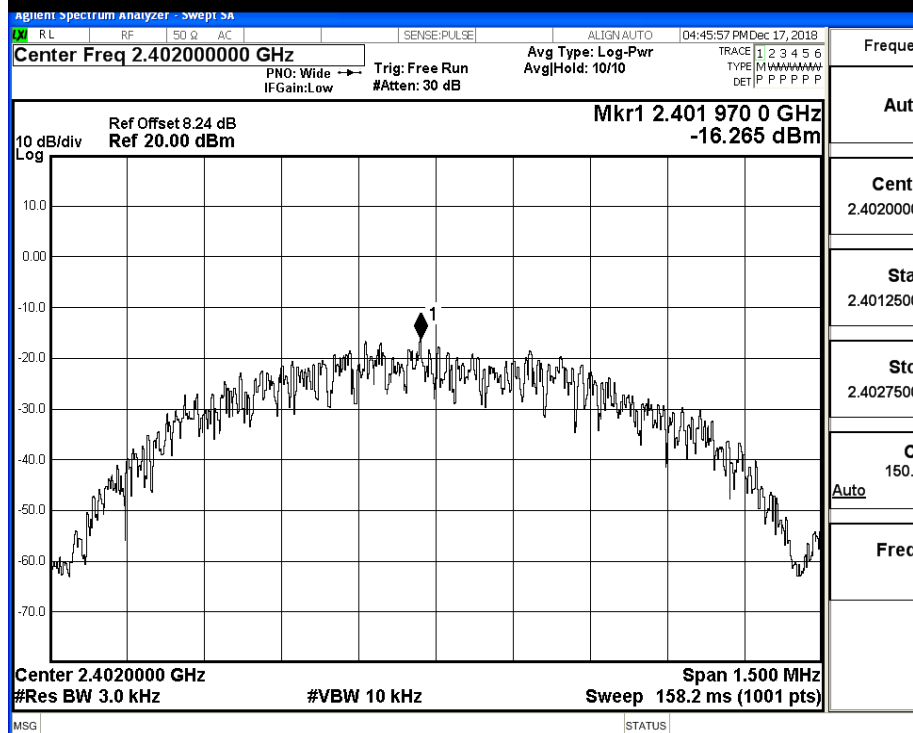


A.3 Maximum Power Spectral Density

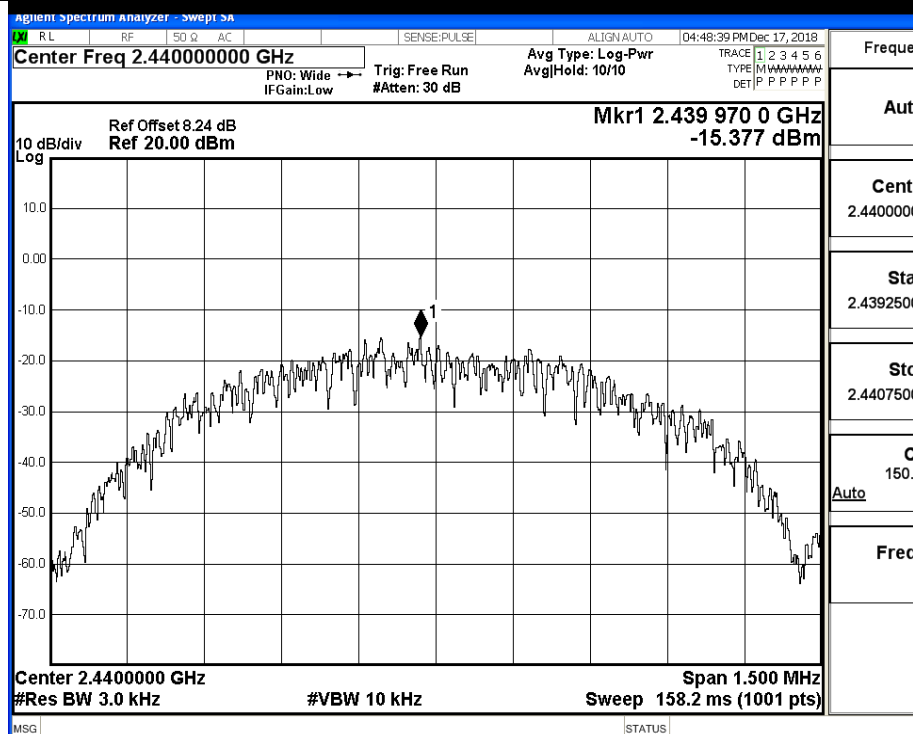
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.265	8	PASS
BT LE	MCH	-15.377	8	PASS
BT LE	HCH	-15.810	8	PASS

Test Graphs

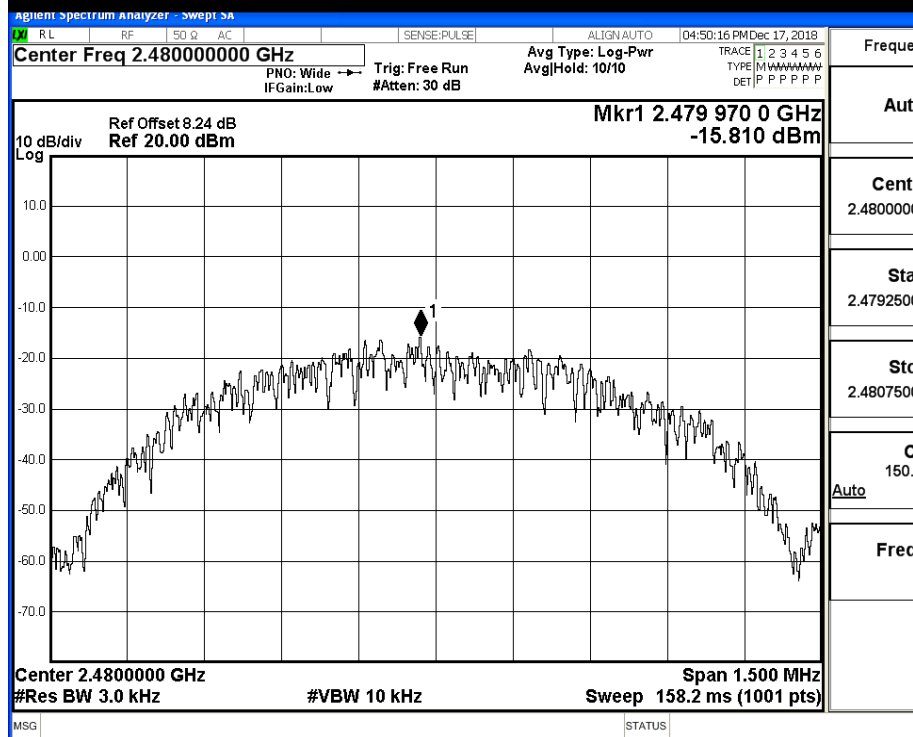
LCH



MCH



HCH

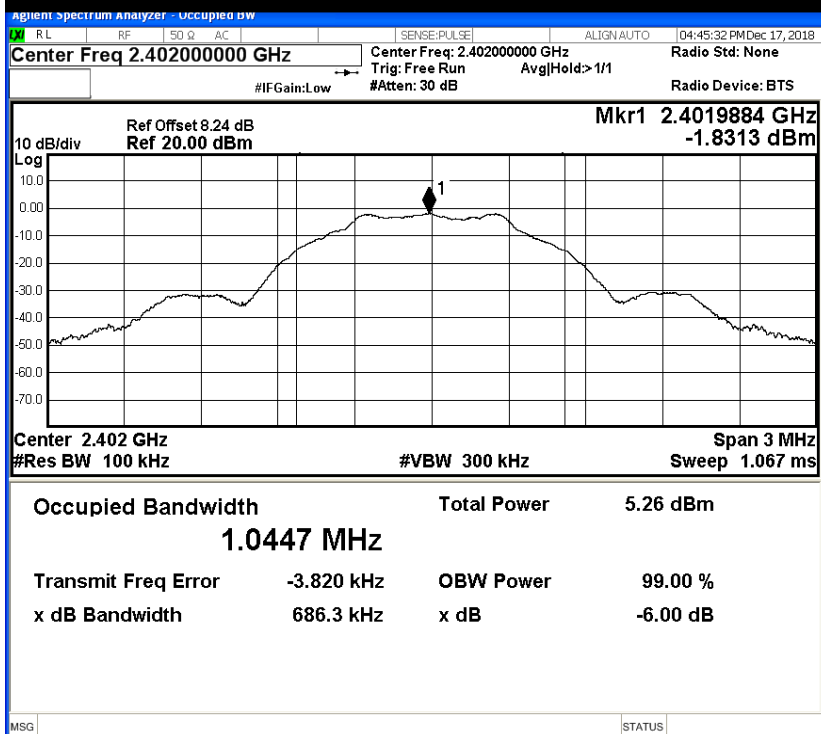


A.4 6dB Bandwidth

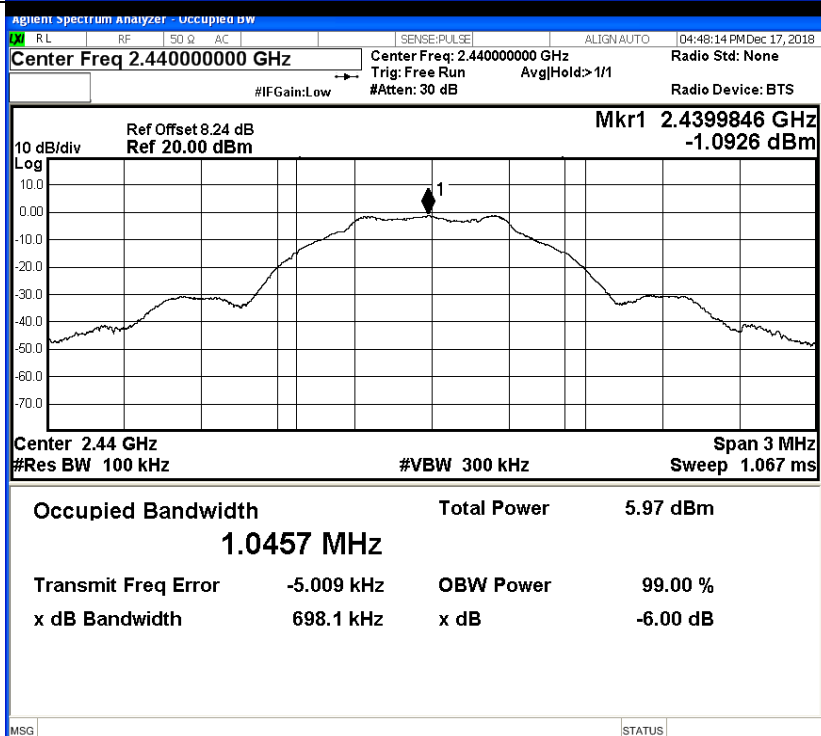
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6863	≥ 0.5	PASS
BT LE	MCH	0.6981	≥ 0.5	PASS
BT LE	HCH	0.6983	≥ 0.5	PASS

Test Graphs

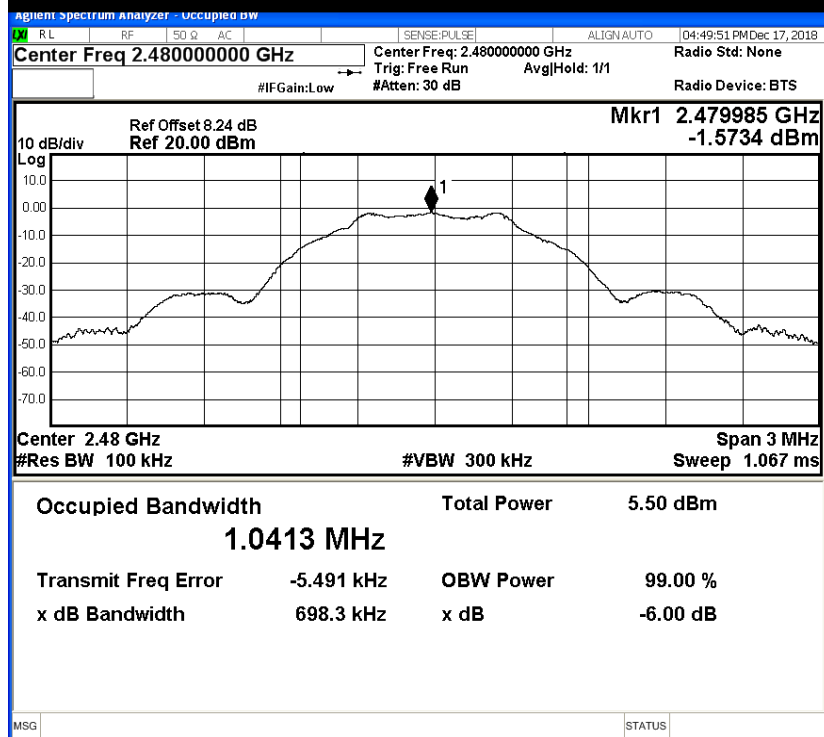
LCH



MCH



HCH

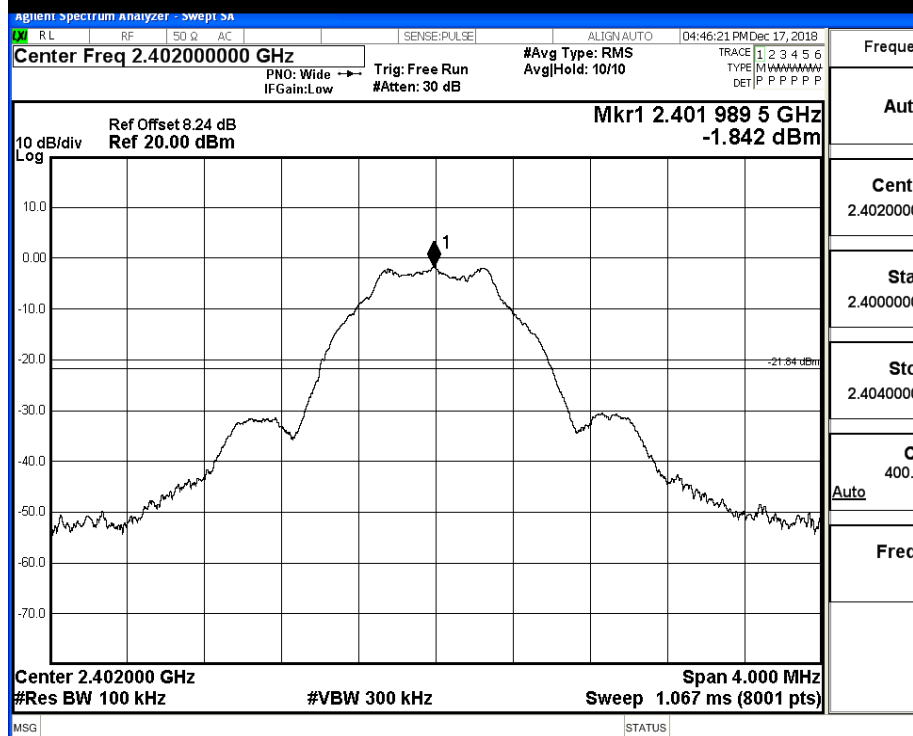


A.5 RF Conducted Spurious Emissions

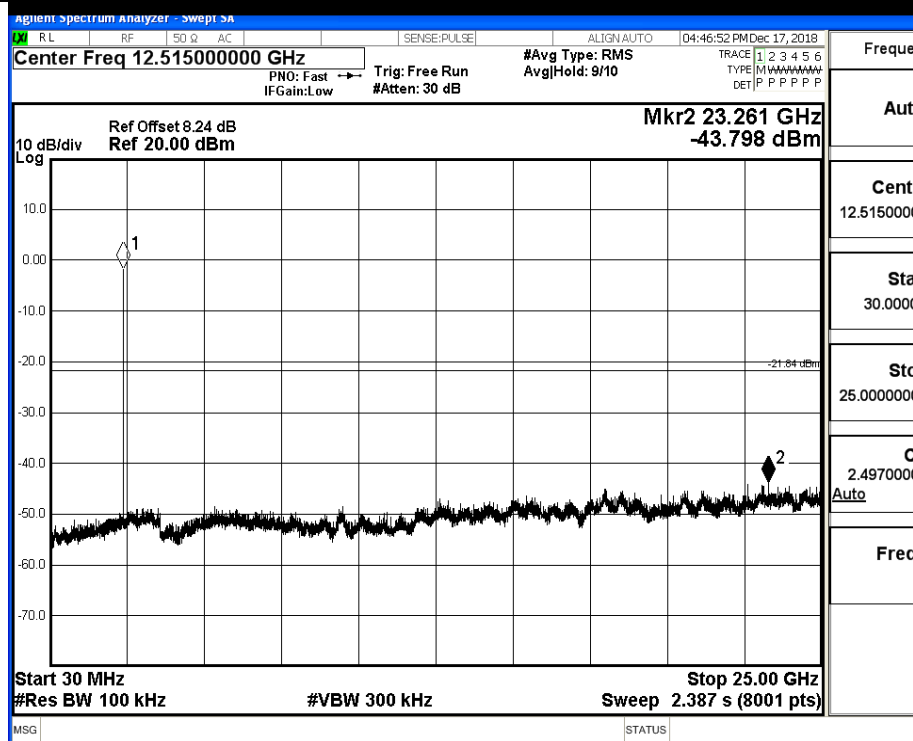
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.842	-43.798	-21.842	PASS
BT LE	MCH	-1.095	-44.149	-21.095	PASS
BT LE	HCH	-1.552	-44.340	-21.552	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

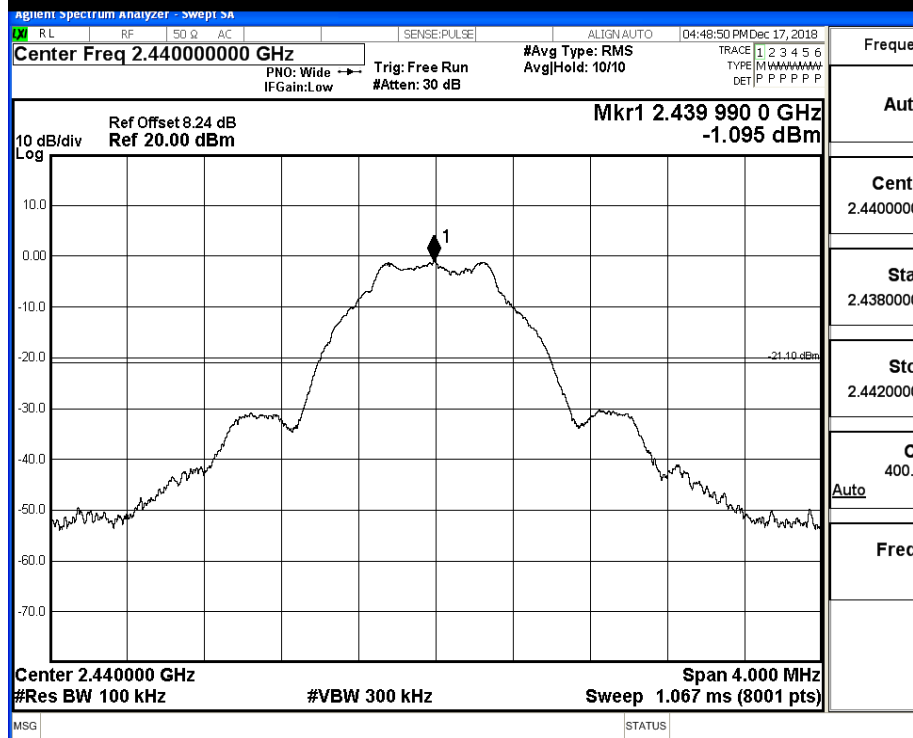


Puw/BT LE/LCH

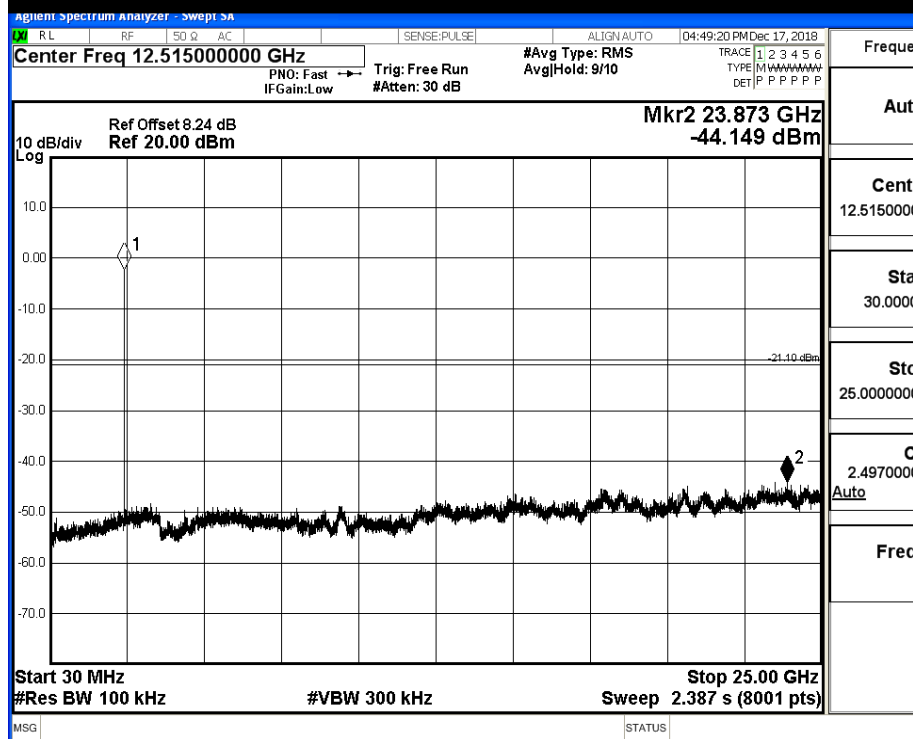


BT LE MCH Graphs

Pref/BT LE/MCH

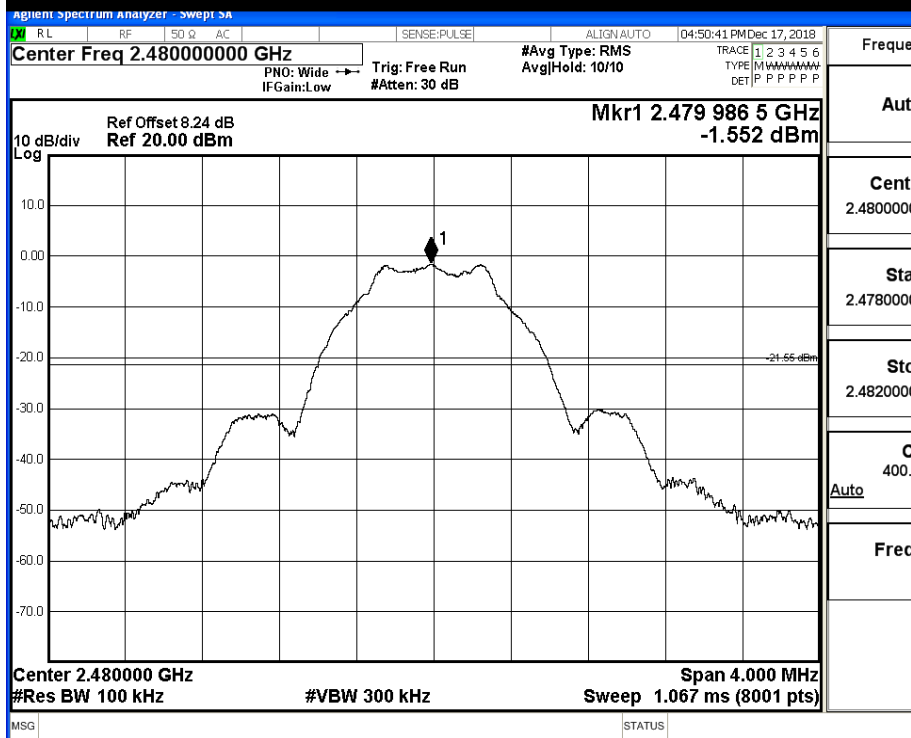


Puw/BT LE/MCH

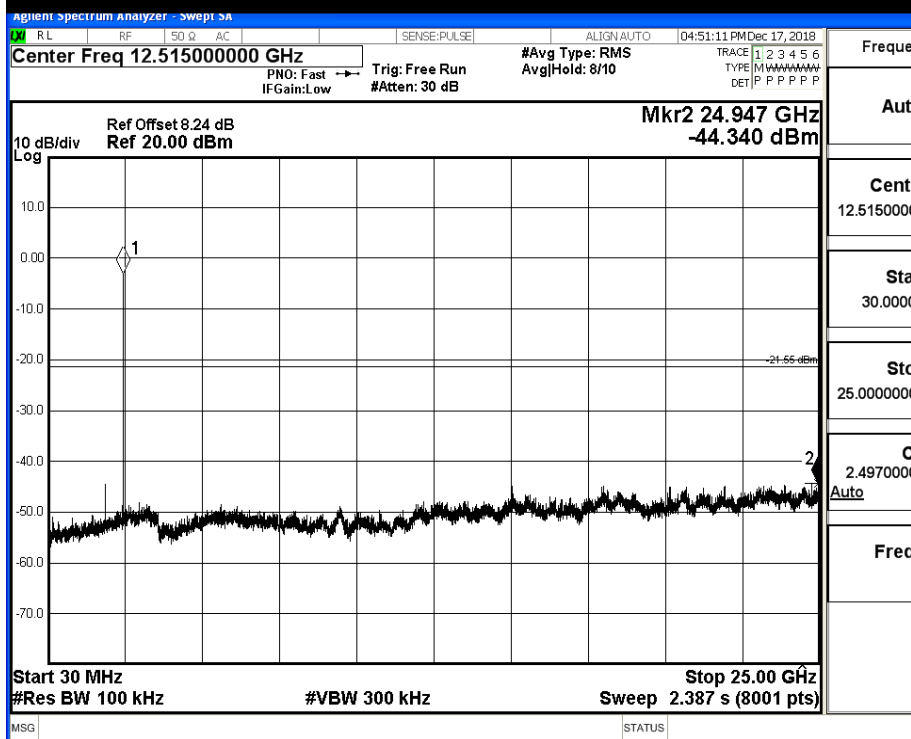


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

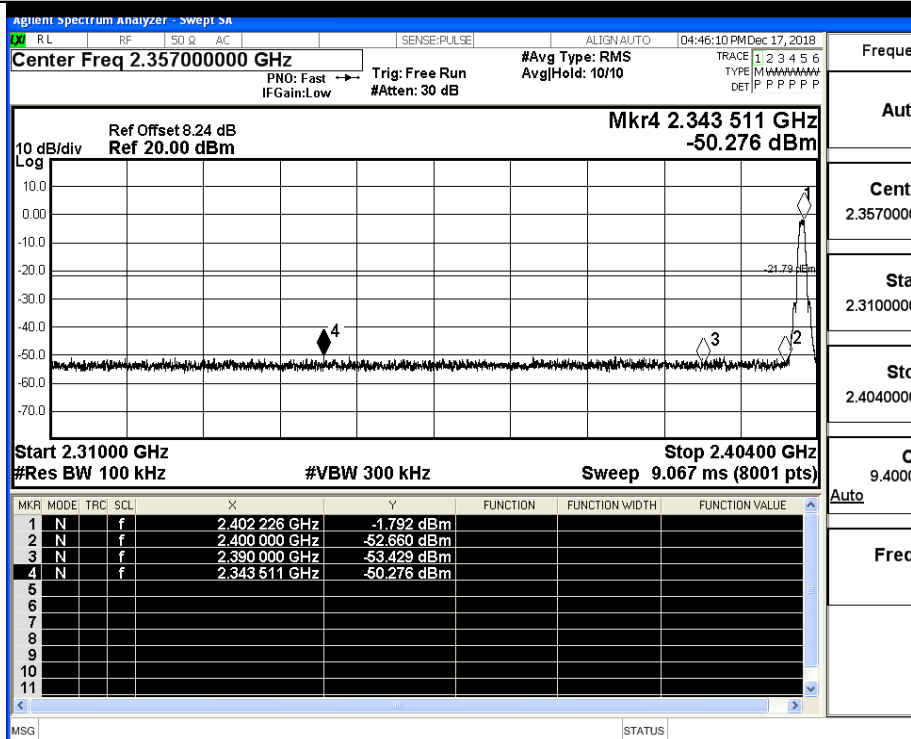


A.6 Band-edge for RF Conducted Emissions

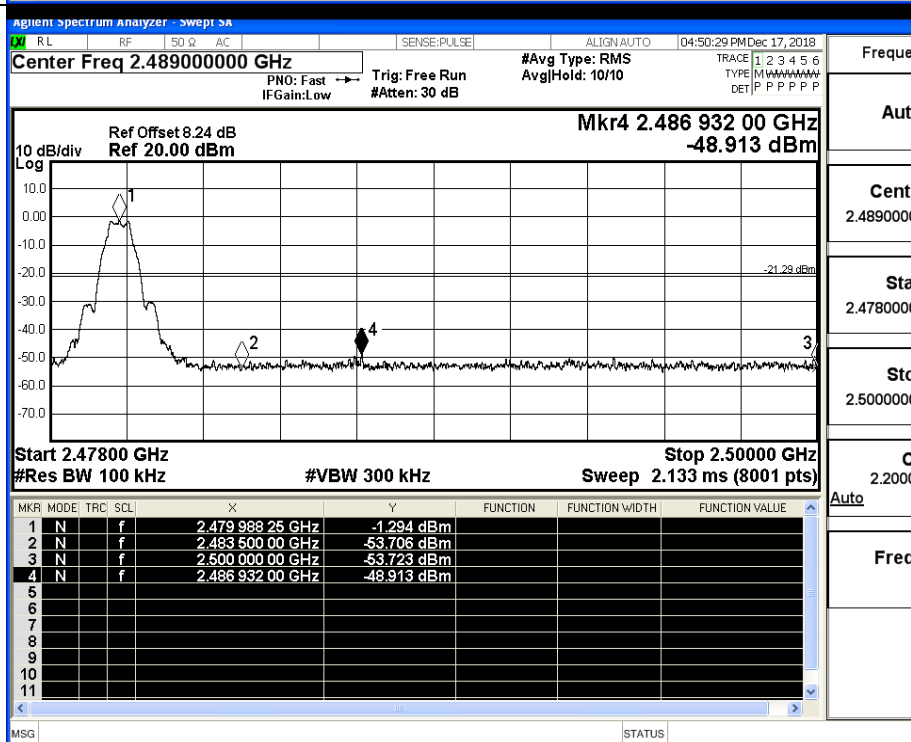
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.792	-50.276	-21.79	PASS
BT LE	HCH	-1.294	-48.913	-21.29	PASS

Test Graphs

LCH



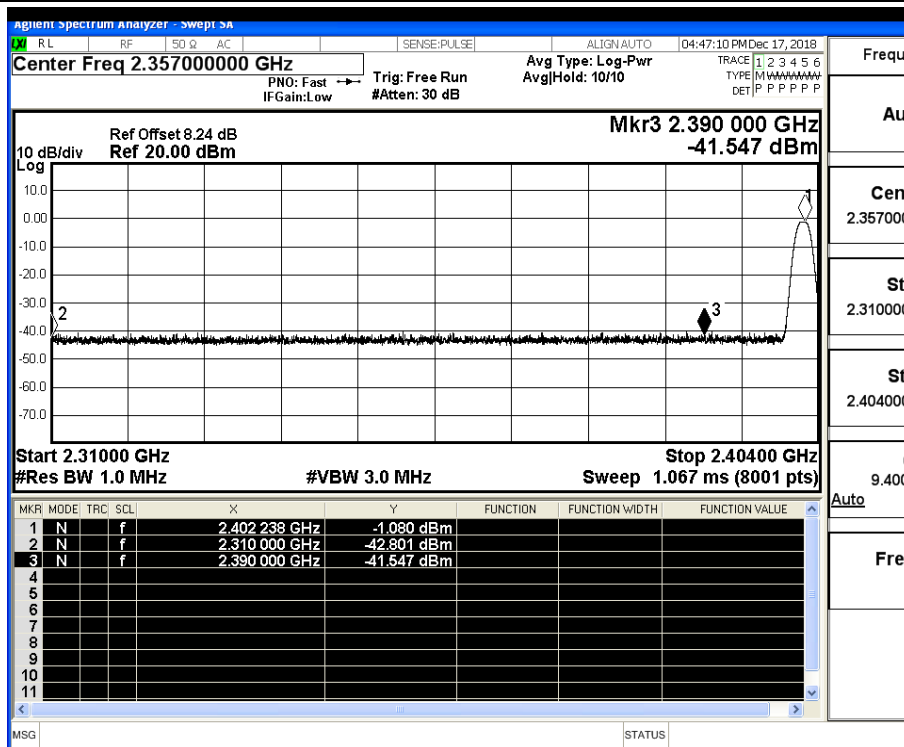
HCH



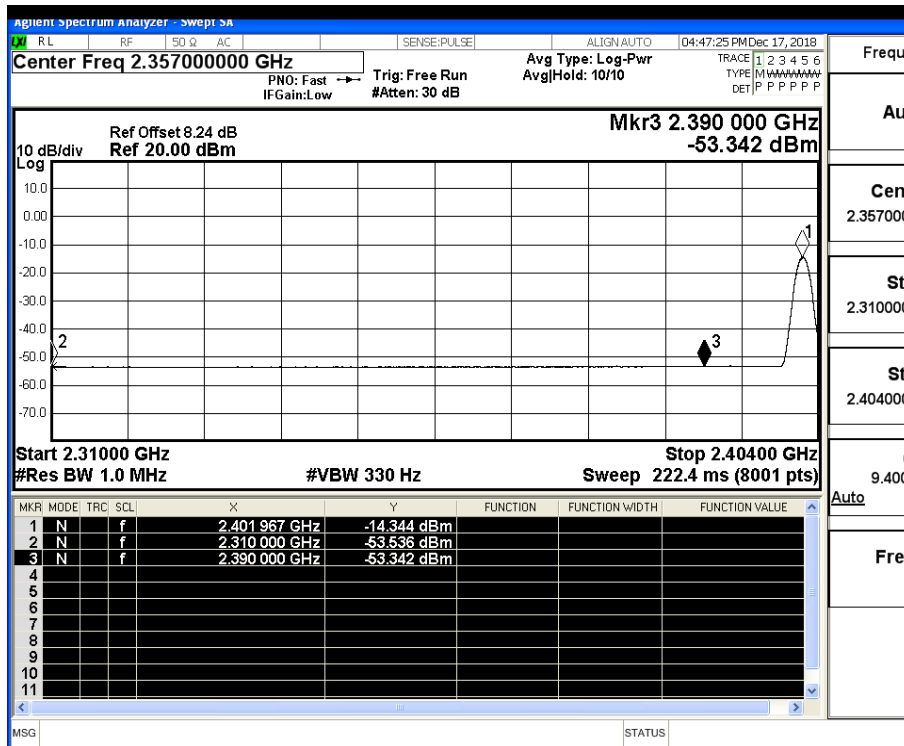
A.7 Restrict-band band-edge measurements

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	-42.80	2.0	0	52.46	PEAK	74	PASS
		Ant1	2310.0	-53.54	2.0	0	41.72	AV	54	PASS
		Ant1	2390.0	-41.55	2.0	0	53.71	PEAK	74	PASS
		Ant1	2390.0	-53.34	2.0	0	41.92	AV	54	PASS
	2480	Ant1	2483.5	-42.21	2.0	0	53.05	PEAK	74	PASS
		Ant1	2483.5	-53.09	2.0	0	42.17	AV	54	PASS
		Ant1	2500.0	-42.80	2.0	0	52.46	PEAK	74	PASS
		Ant1	2500.0	-52.91	2.0	0	42.35	AV	54	PASS

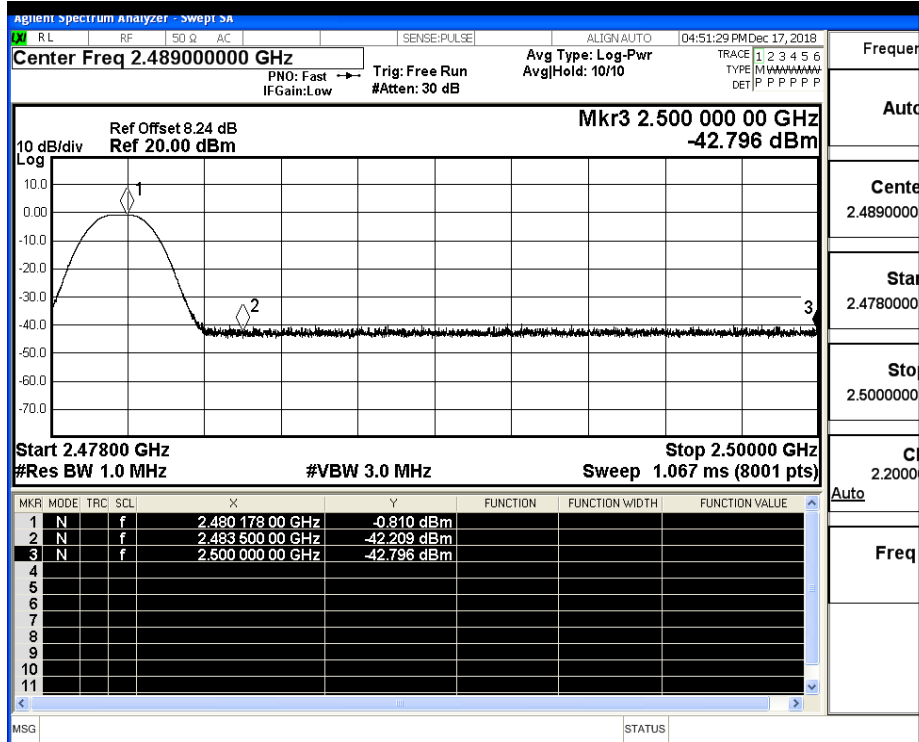
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

