

Appendix B

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

Product Name: Tablet Pc

Trade Mark: N/A

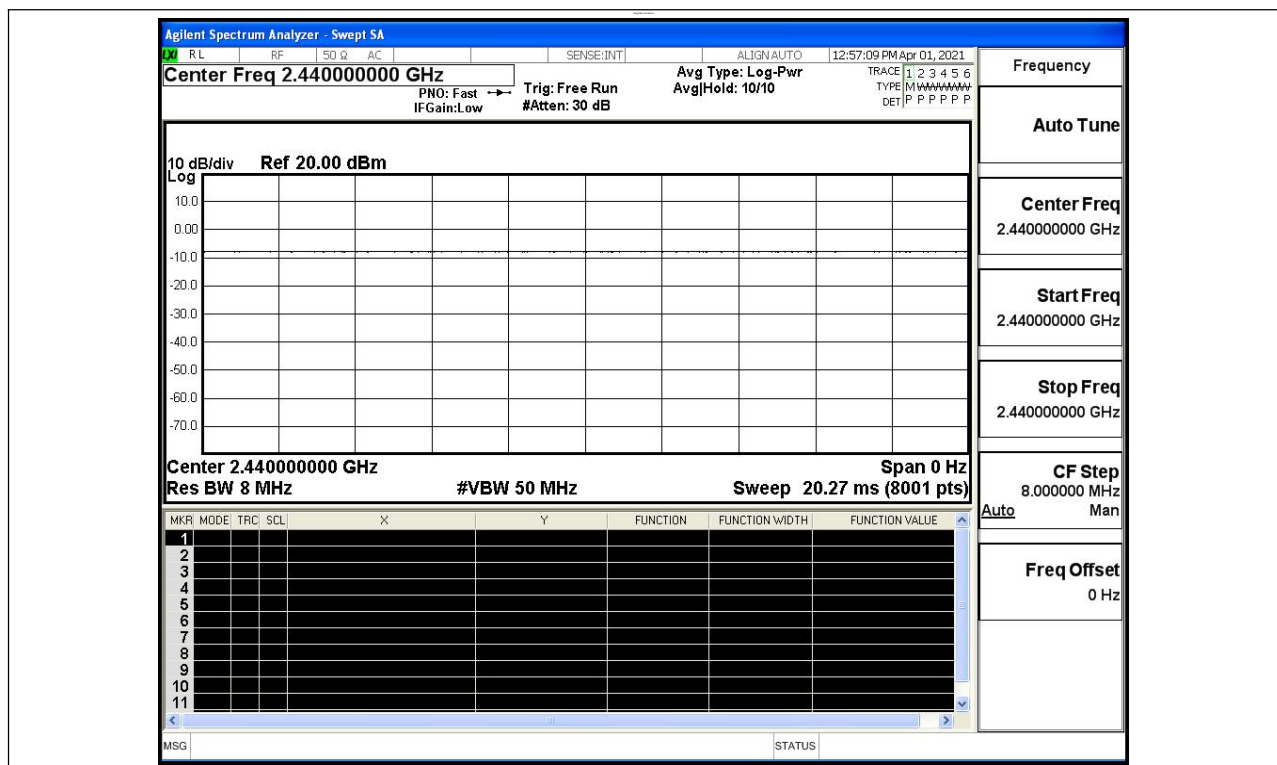
Test Model:M803

Environmental Conditions

Temperature:	25.4 ° C
Relative Humidity:	53.2%
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

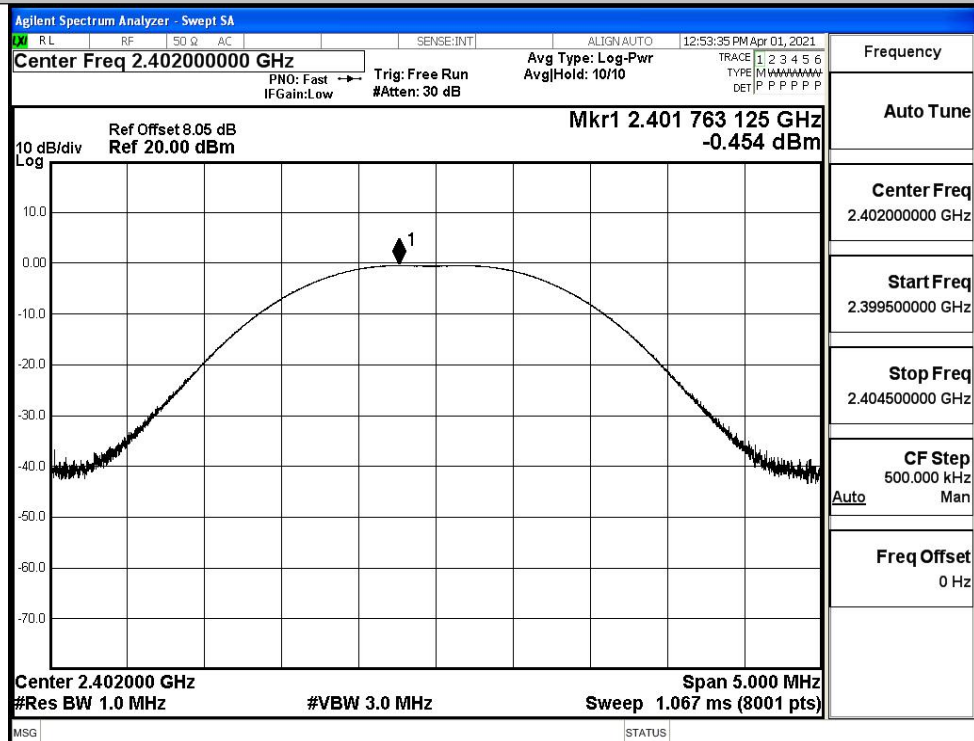


B.2 Maximum Conducted Peak Output Power

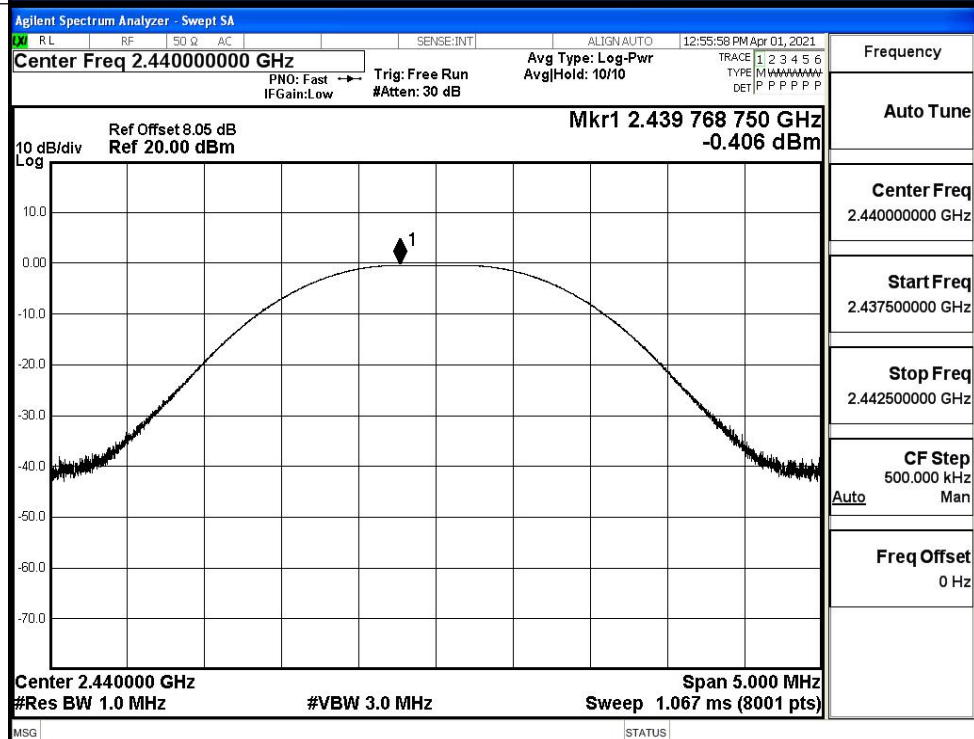
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.454	30	PASS
BT LE	MCH	-0.406	30	PASS
BT LE	HCH	0.233	30	PASS

Test Graphs

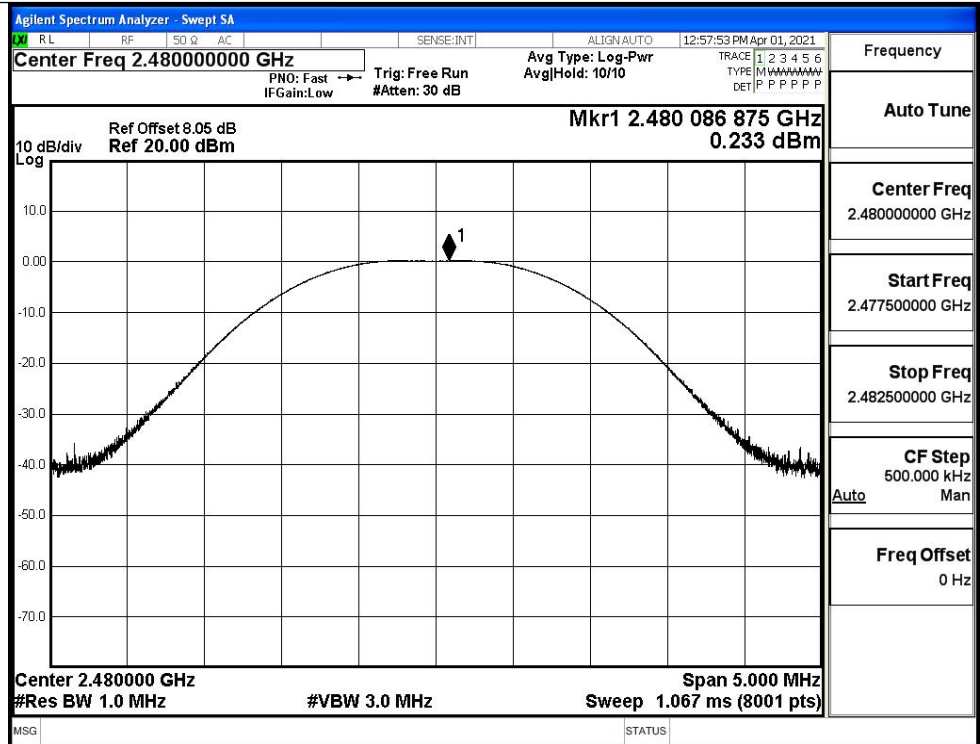
LCH



MCH



HCH

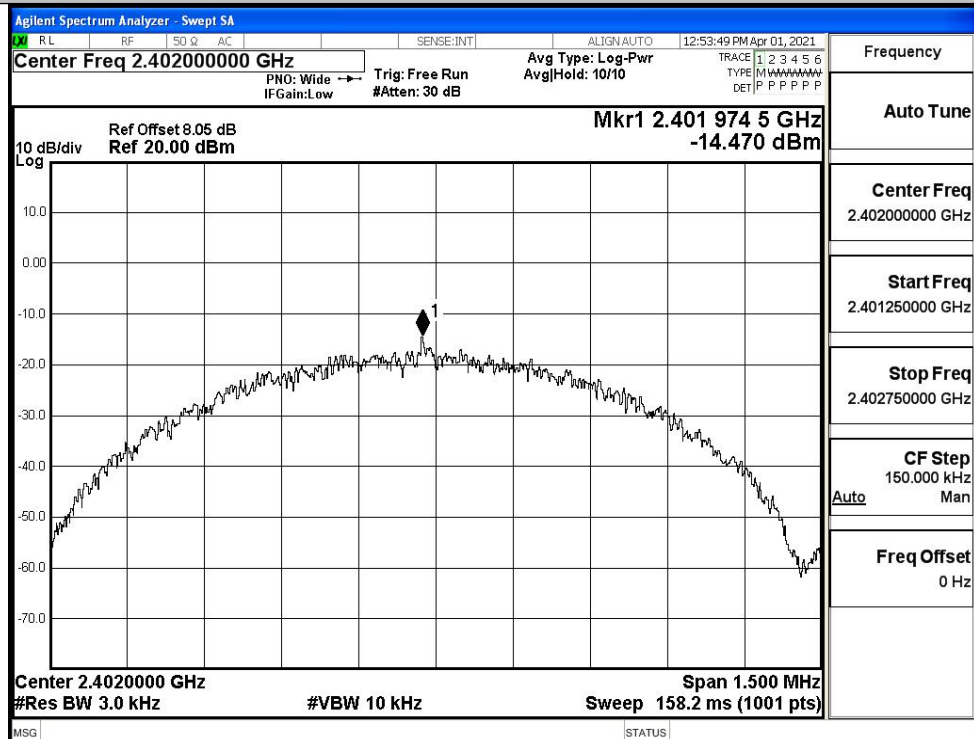


B.3 Maximum Power Spectral Density

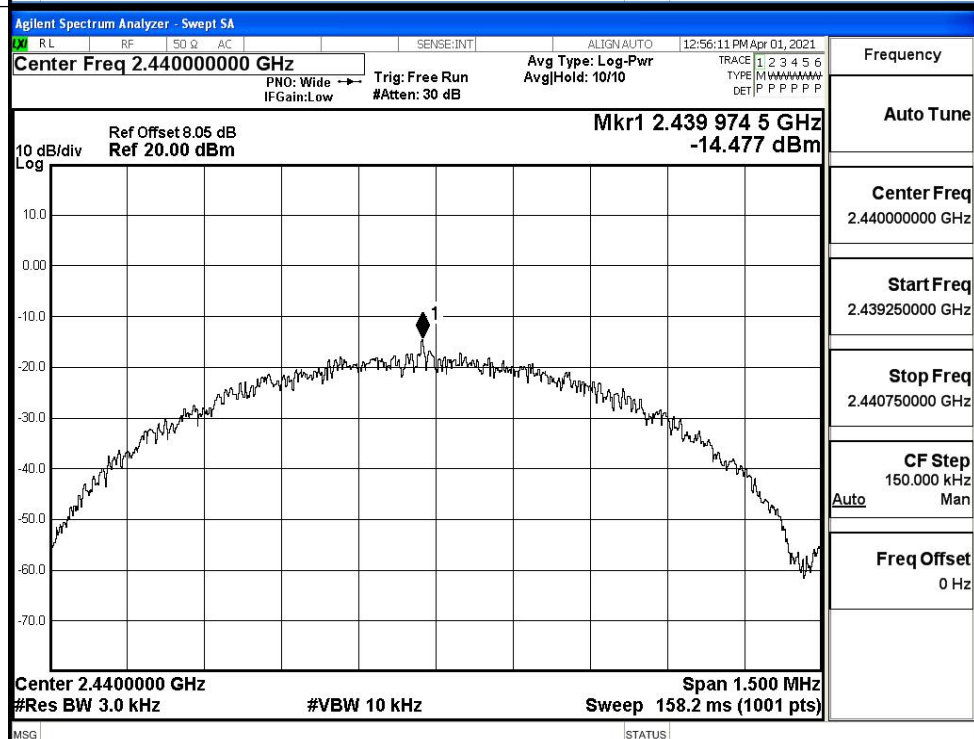
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.470	8	PASS
BT LE	MCH	-14.477	8	PASS
BT LE	HCH	-14.279	8	PASS

Test Graphs

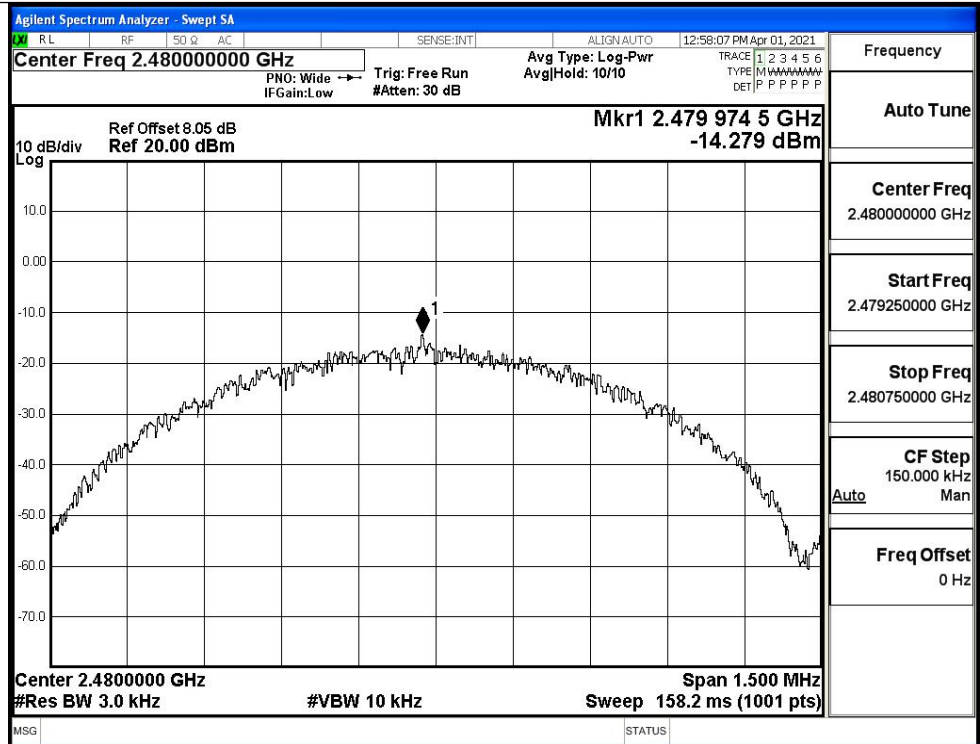
LCH



MCH



HCH

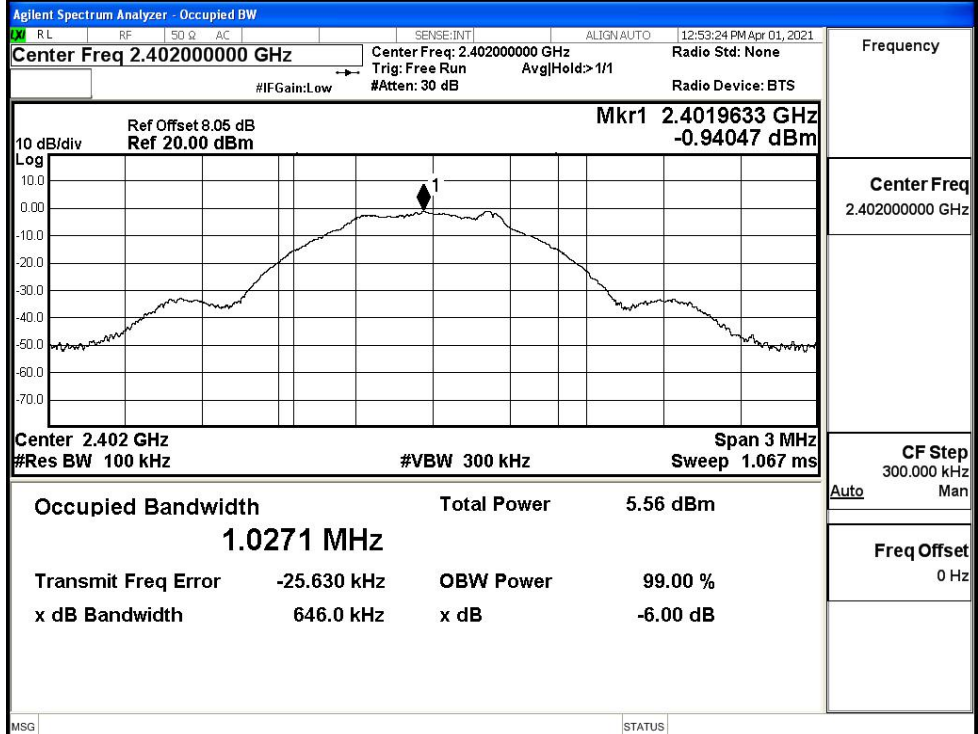


B.4 6dB Bandwidth

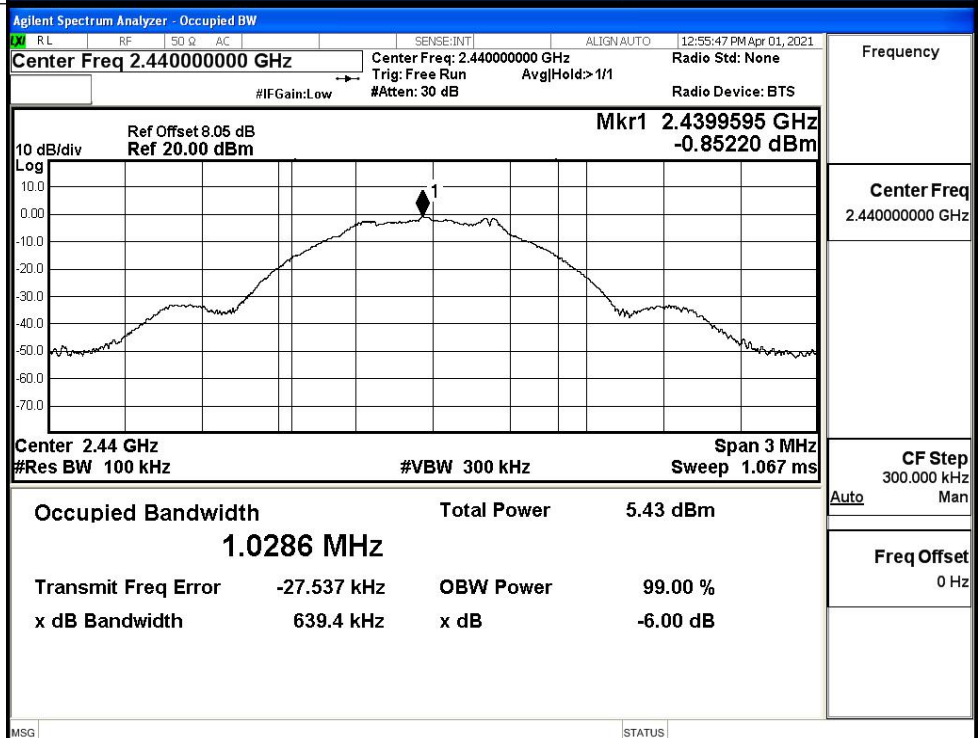
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6460	≥ 0.5	PASS
BT LE	MCH	0.6394	≥ 0.5	PASS
BT LE	HCH	0.6482	≥ 0.5	PASS

Test Graphs

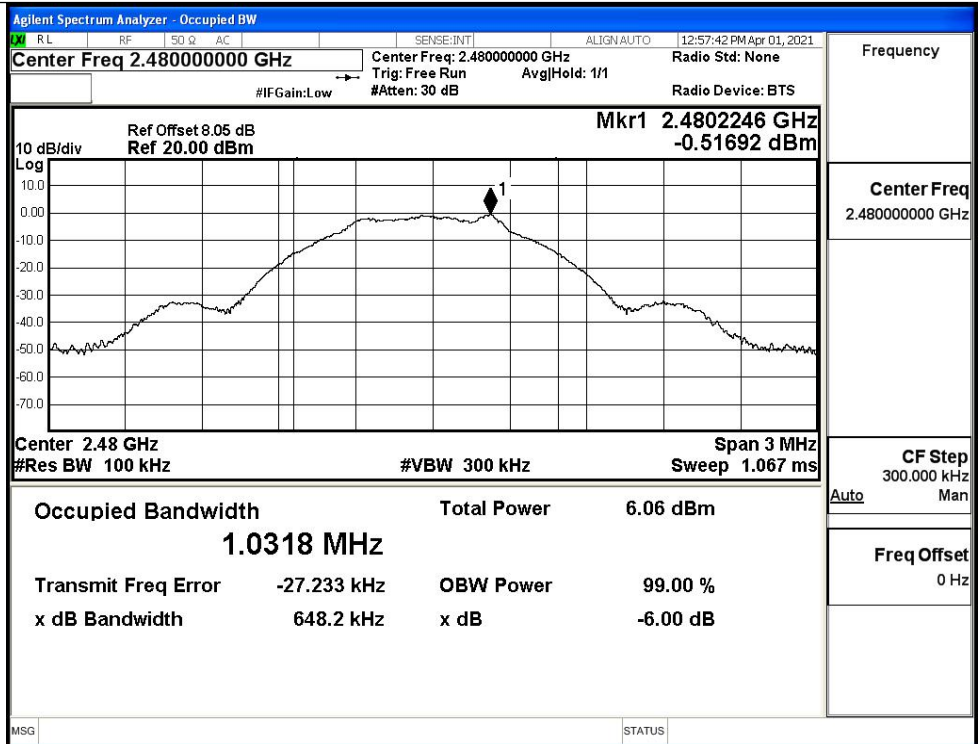
LCH



MCH



HCH

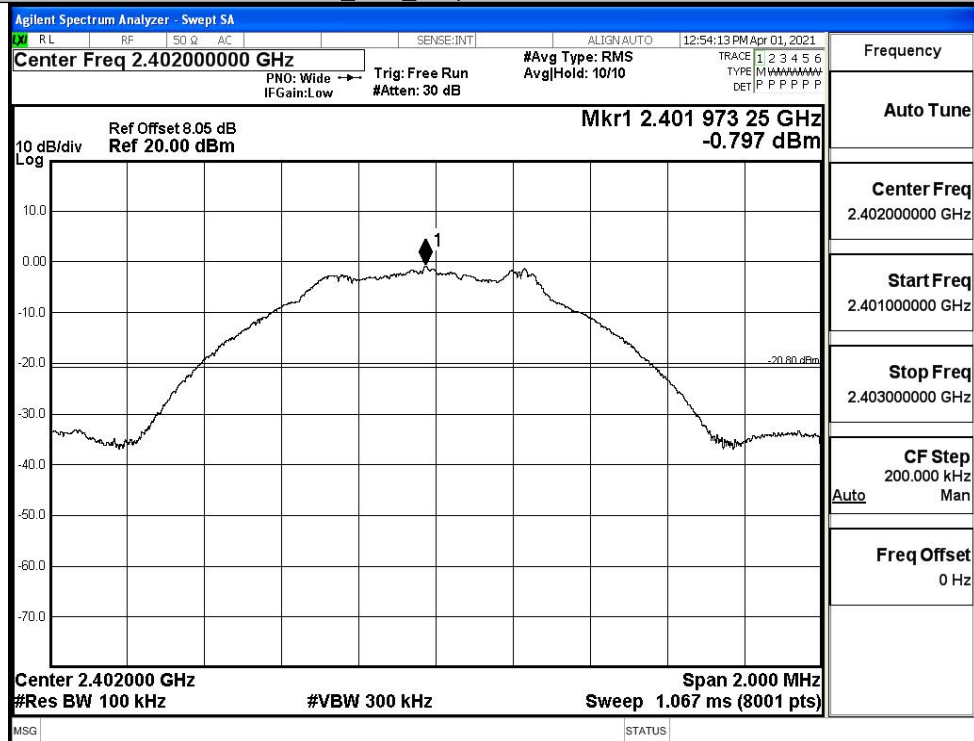


B.5 RF Conducted Spurious Emissions

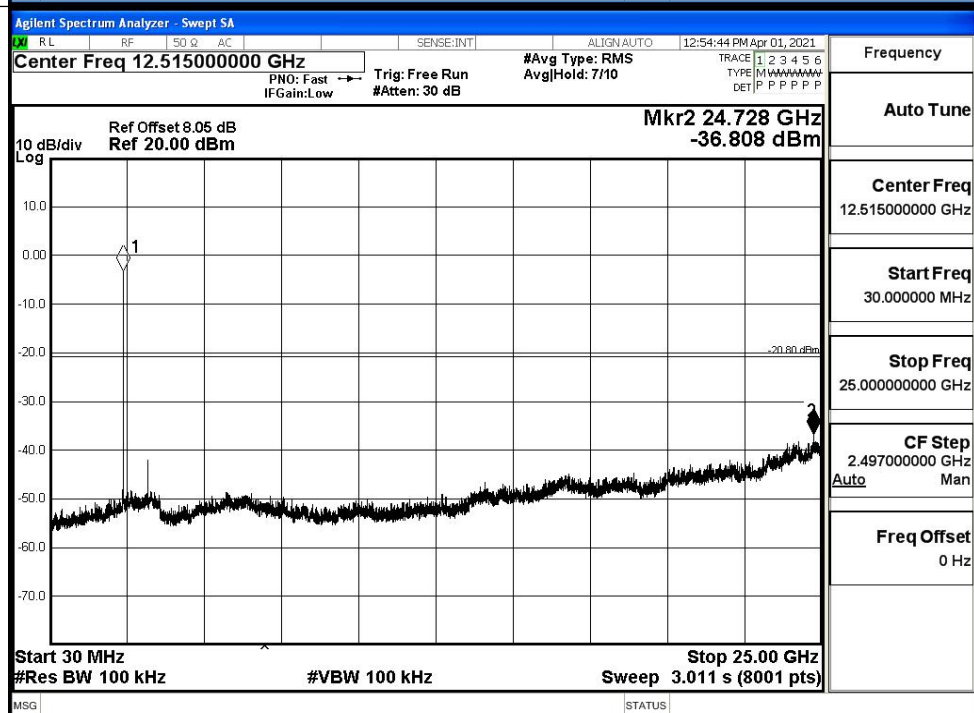
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.797	-36.808	-20.797	PASS
BT LE	MCH	-1.096	-37.989	-21.096	PASS
BT LE	HCH	-0.324	-37.222	-20.324	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

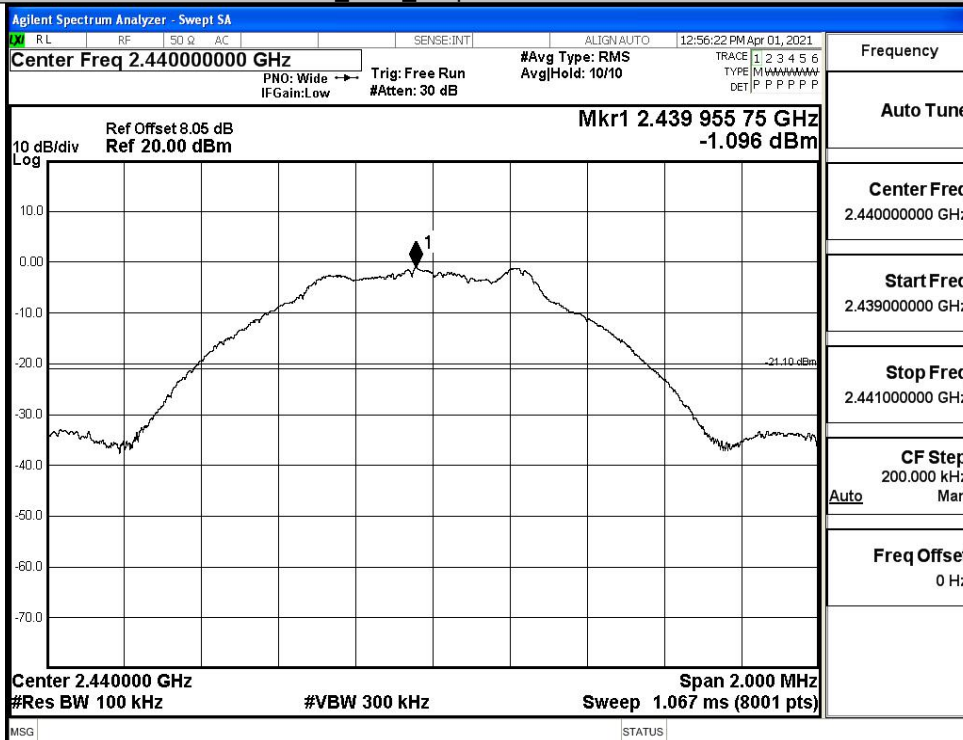


Puw/BT LE/LCH

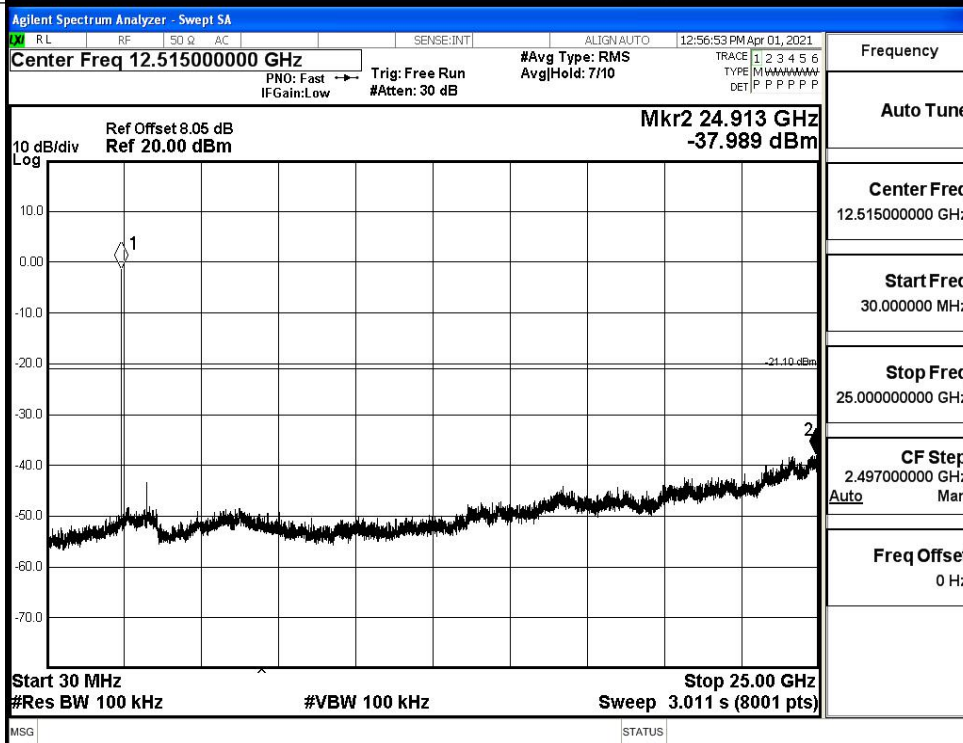


BT LE MCH Graphs

Pref/BT LE/MCH

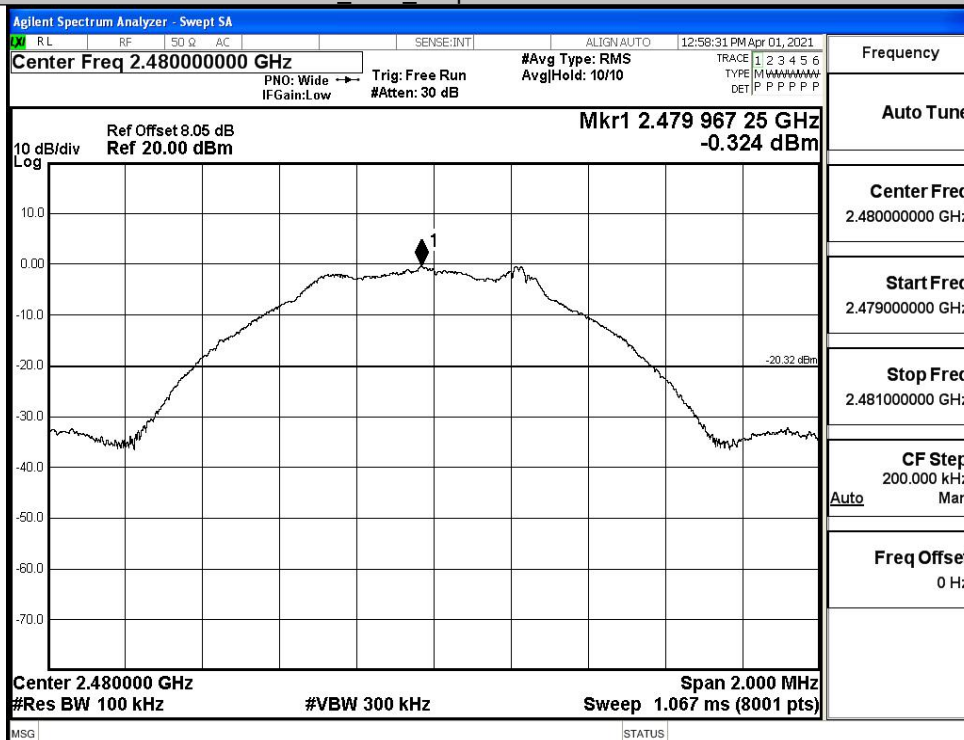


Puw/BT LE/MCH

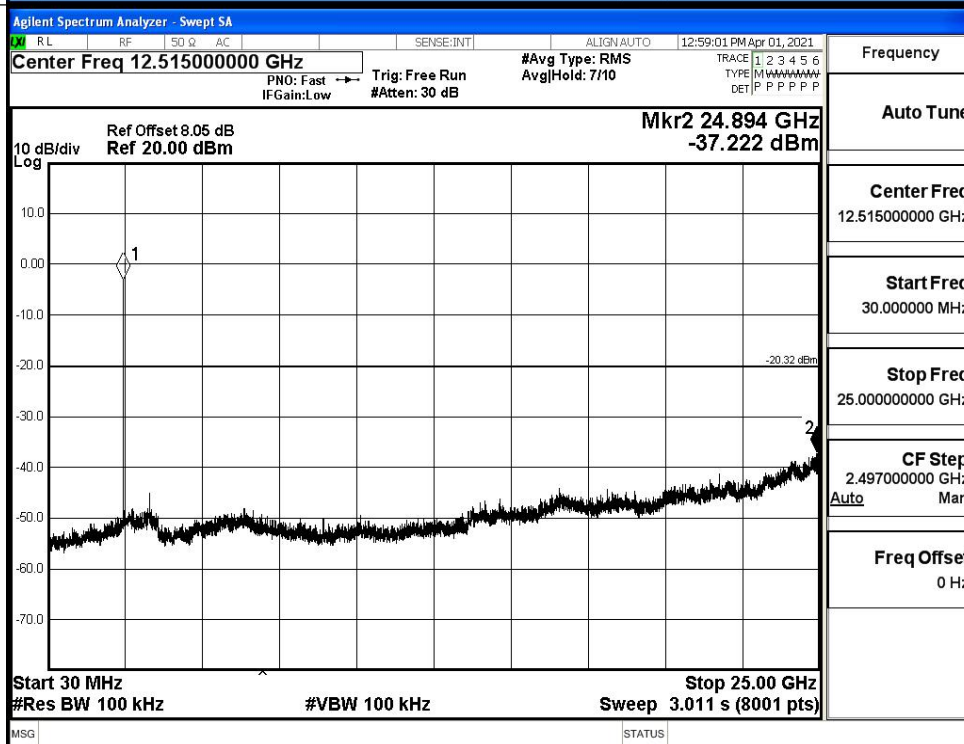


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

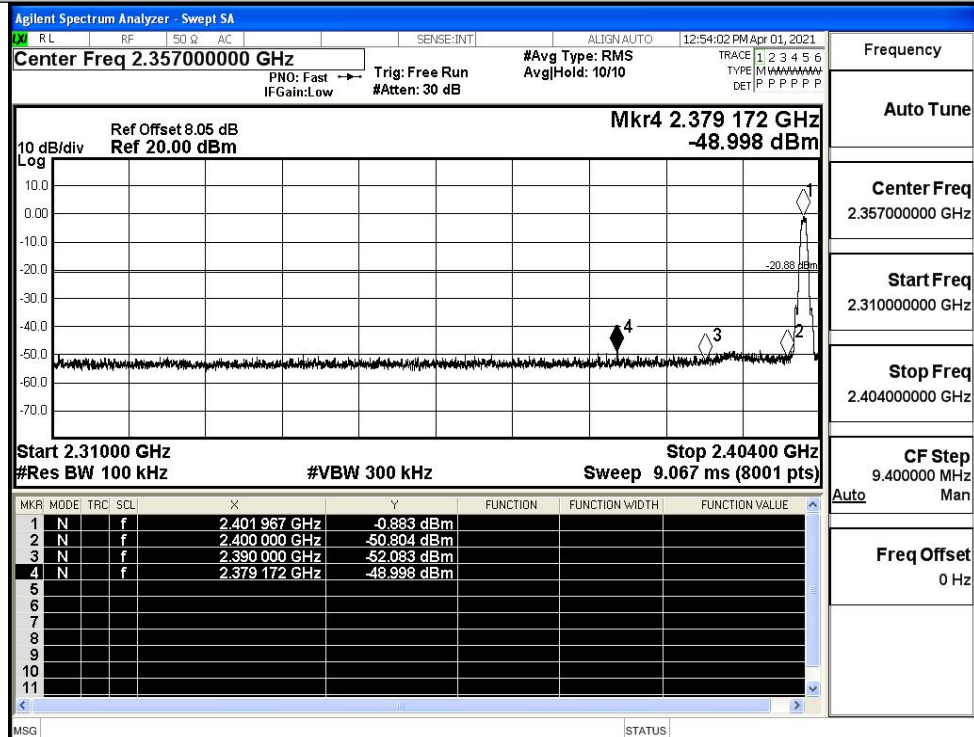


B.6 Band-edge for RF Conducted Emissions

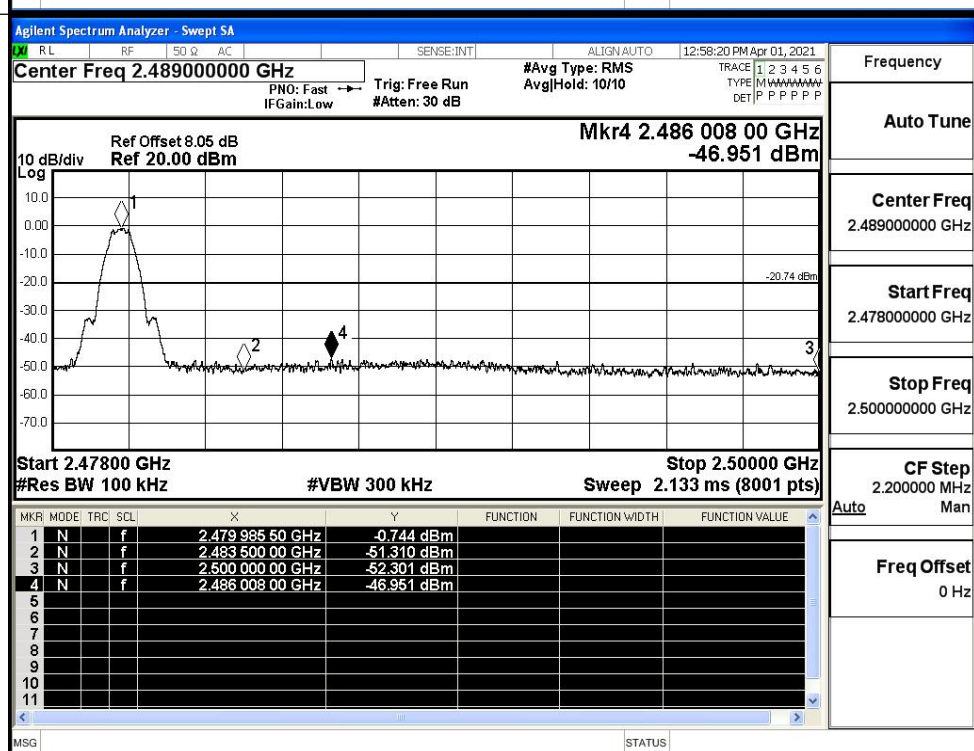
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.883	-48.998	-20.88	PASS
BT LE	HCH	-0.744	-46.951	-20.74	PASS

Test Graphs

LCH



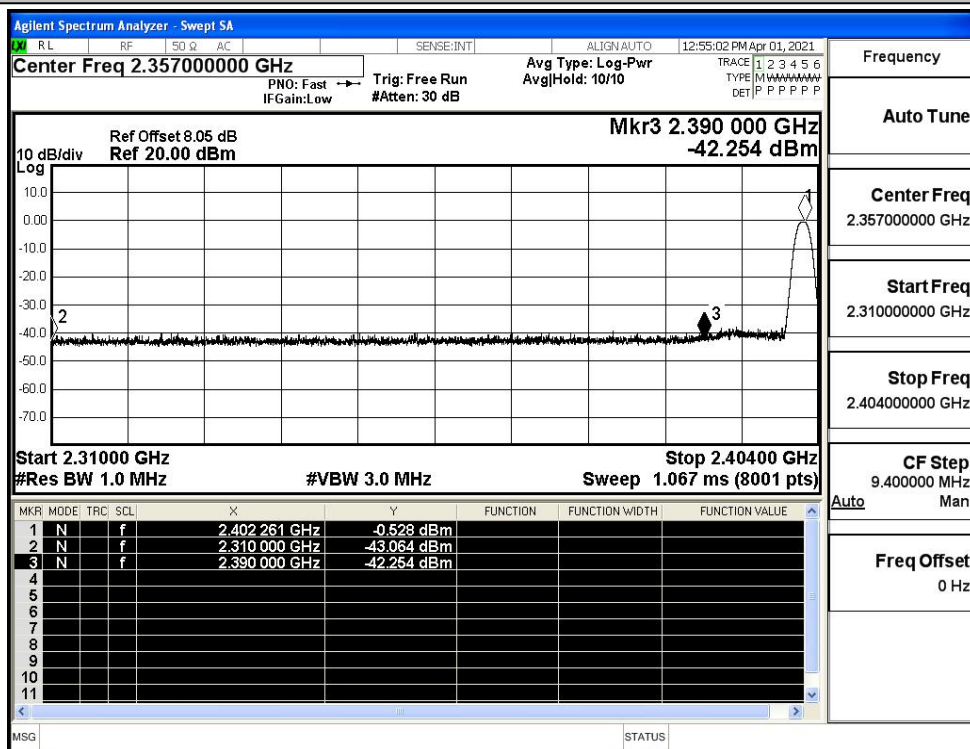
HCH



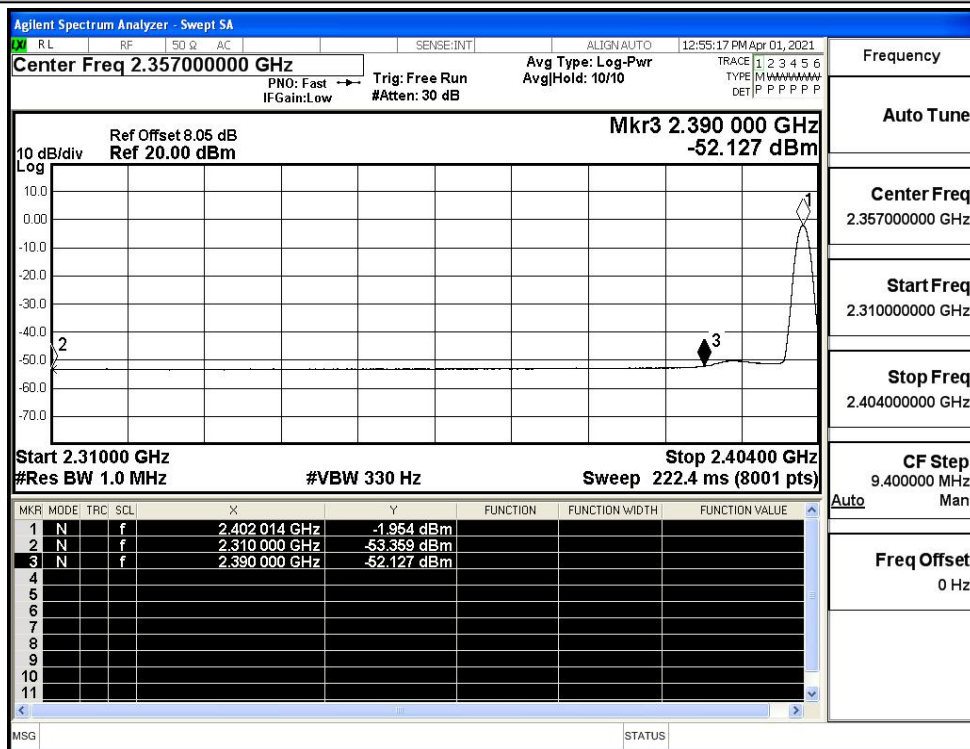
B.7 Restrict-band band-edge measurements

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	-43.06	2.0	0	54.17	PEAK	74	PASS
		Ant1	2310.0	-53.36	2.0	0	43.87	AV	54	PASS
		Ant1	2390.0	-42.25	2.0	0	54.98	PEAK	74	PASS
		Ant1	2390.0	-52.13	2.0	0	45.10	AV	54	PASS
	2480	Ant1	2483.5	-40.39	2.0	0	56.84	PEAK	74	PASS
		Ant1	2483.5	-50.52	2.0	0	46.71	AV	54	PASS
		Ant1	2500.0	-42.89	2.0	0	54.34	PEAK	74	PASS
		Ant1	2500.0	-52.03	2.0	0	45.20	AV	54	PASS

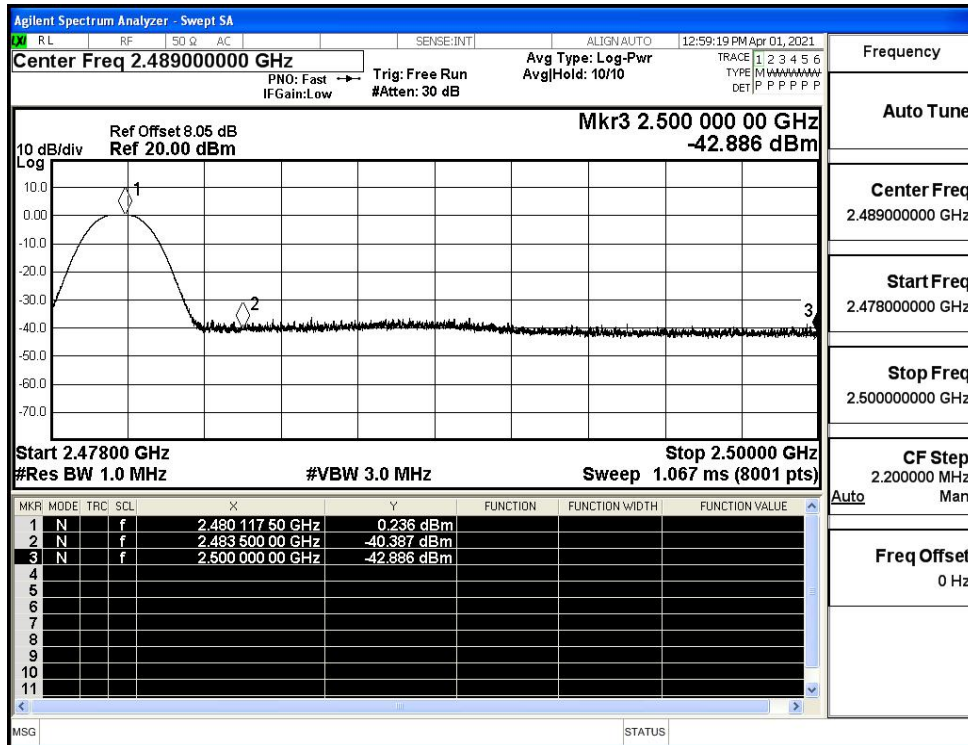
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

