

Appendix B

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

Product Name: Driveraid

Trade Mark: 

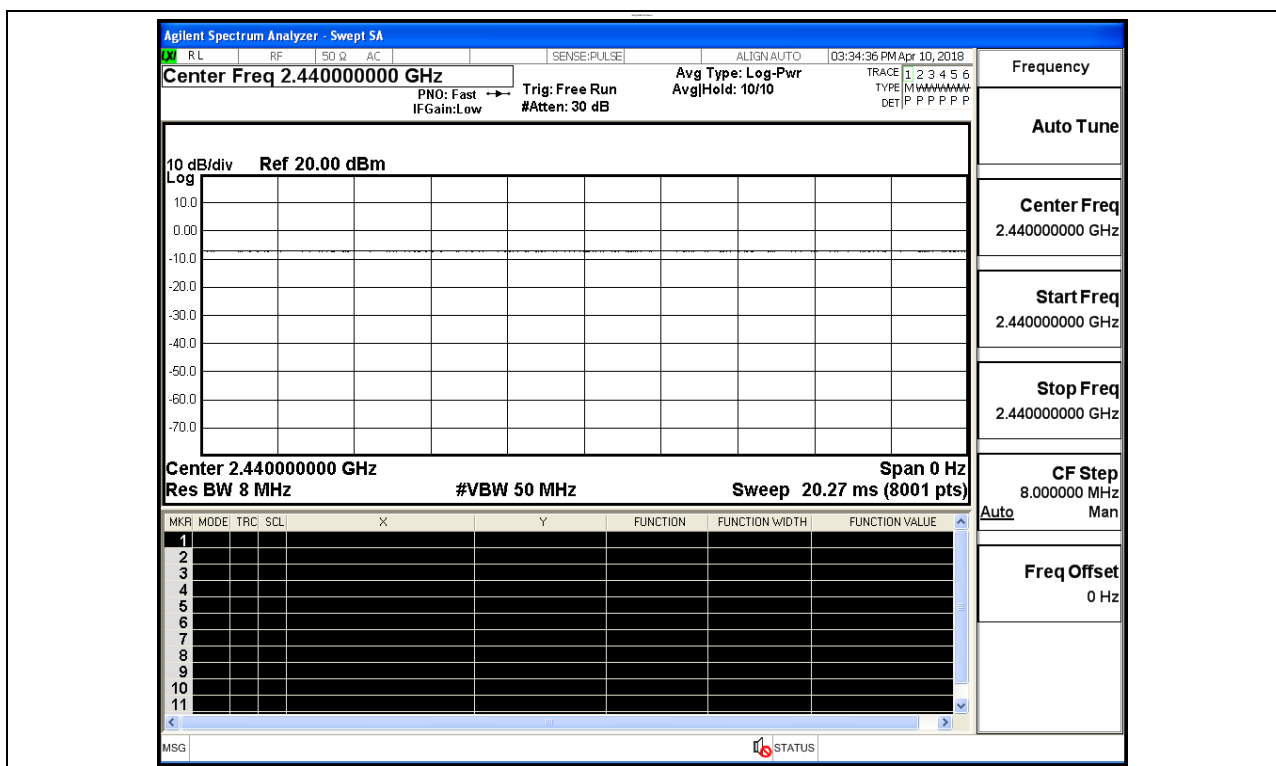
Test Model: DA-P1

Environmental Conditions

Temperature:	23.3° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	WangChuang
Supervised by:	Jayden.Zhuo

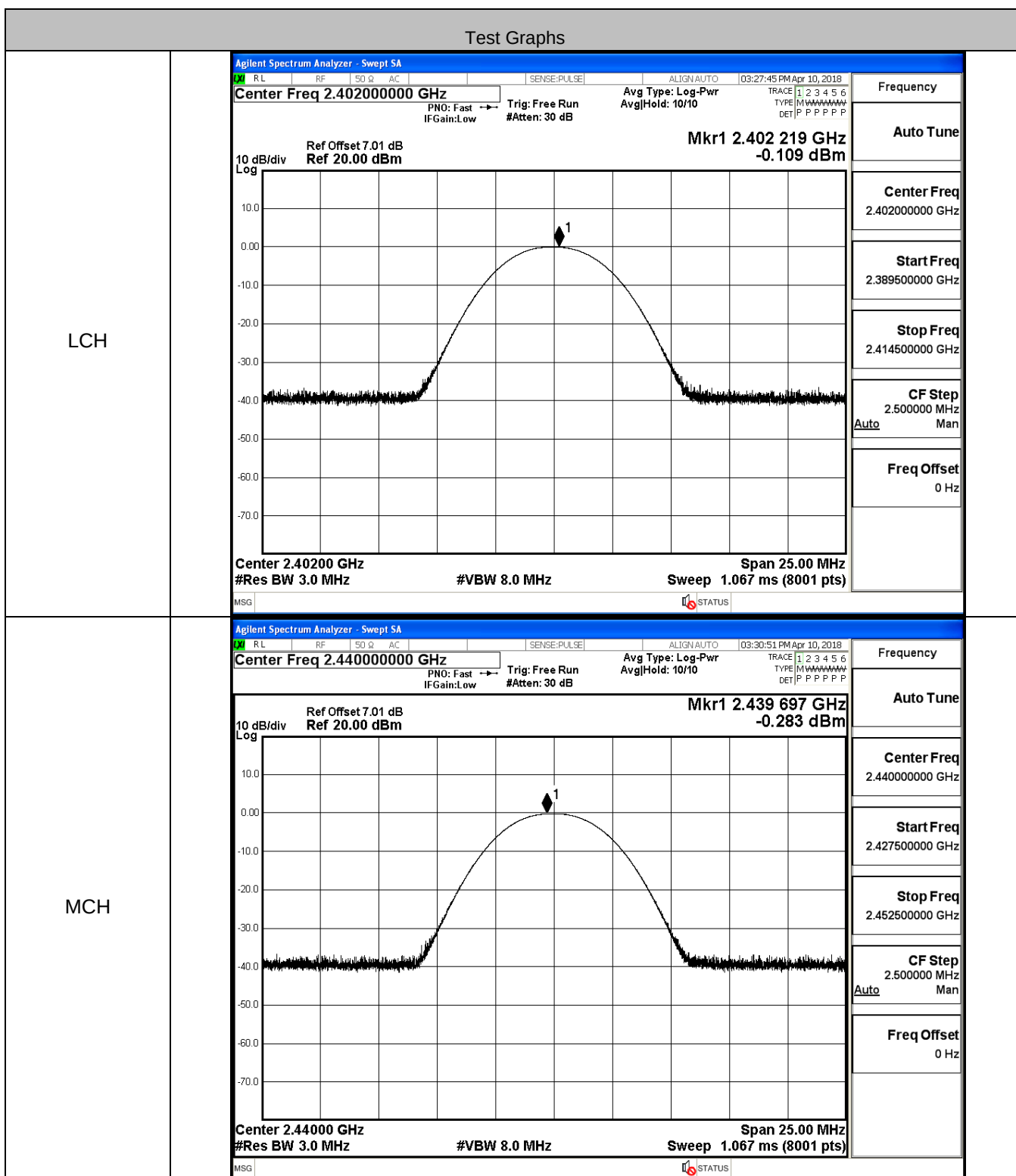
B.1 Duty Cycle

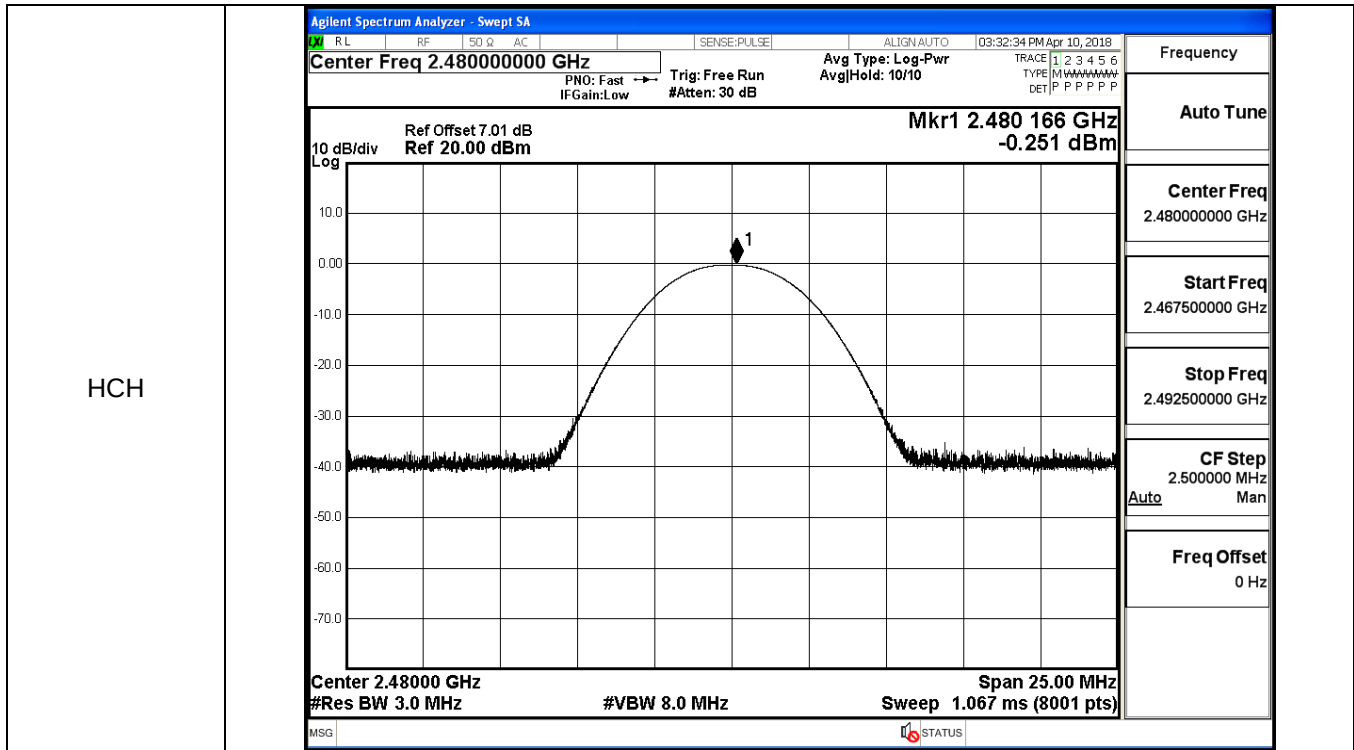
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

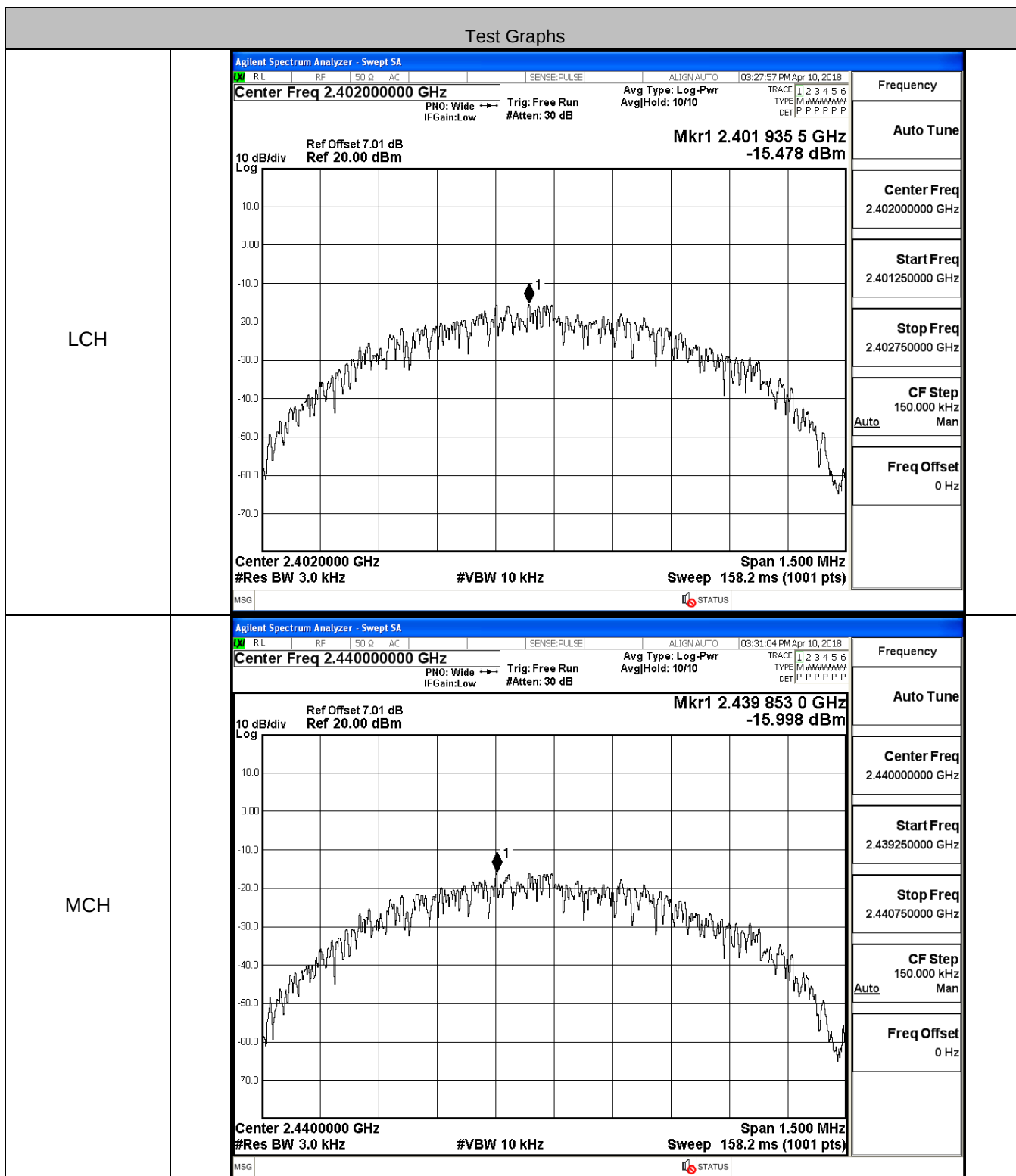
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.109	30	PASS
BT LE	MCH	-0.283	30	PASS
BT LE	HCH	-0.251	30	PASS

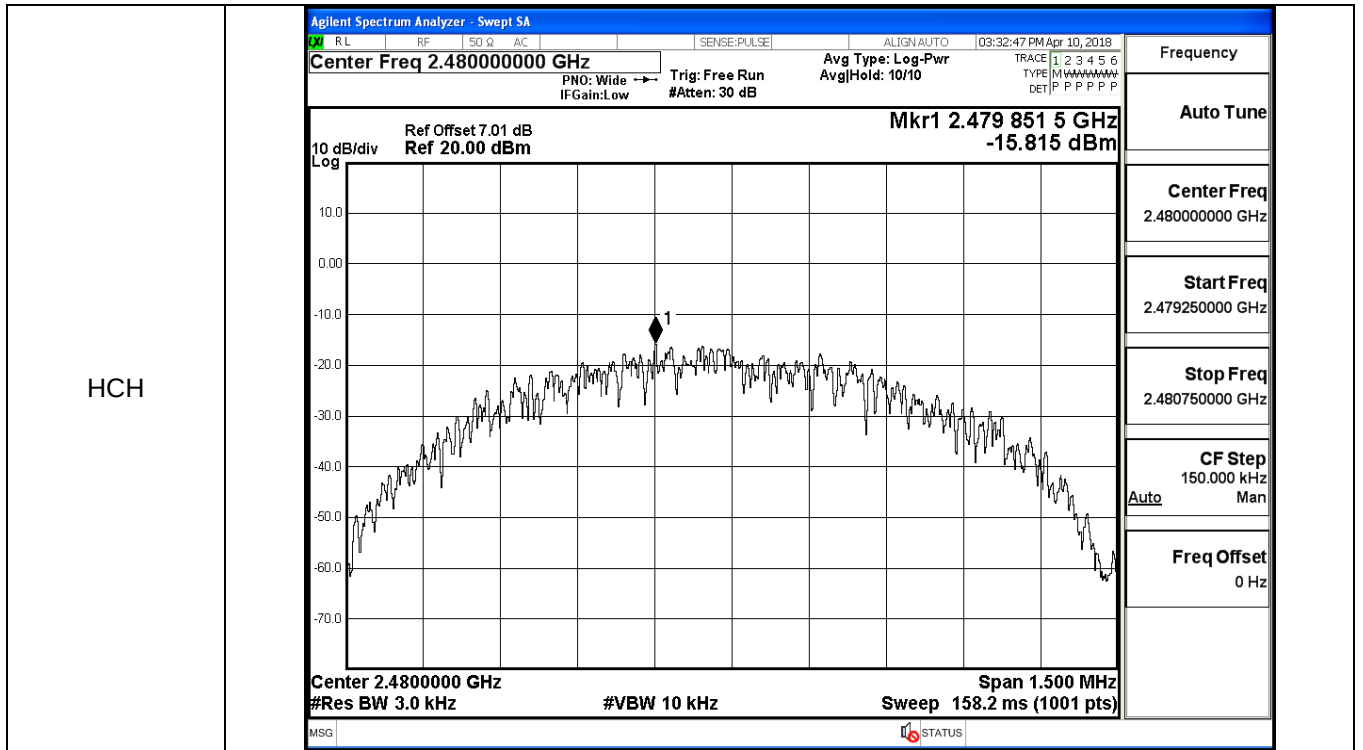




B.3 Maximum Power Spectral Density

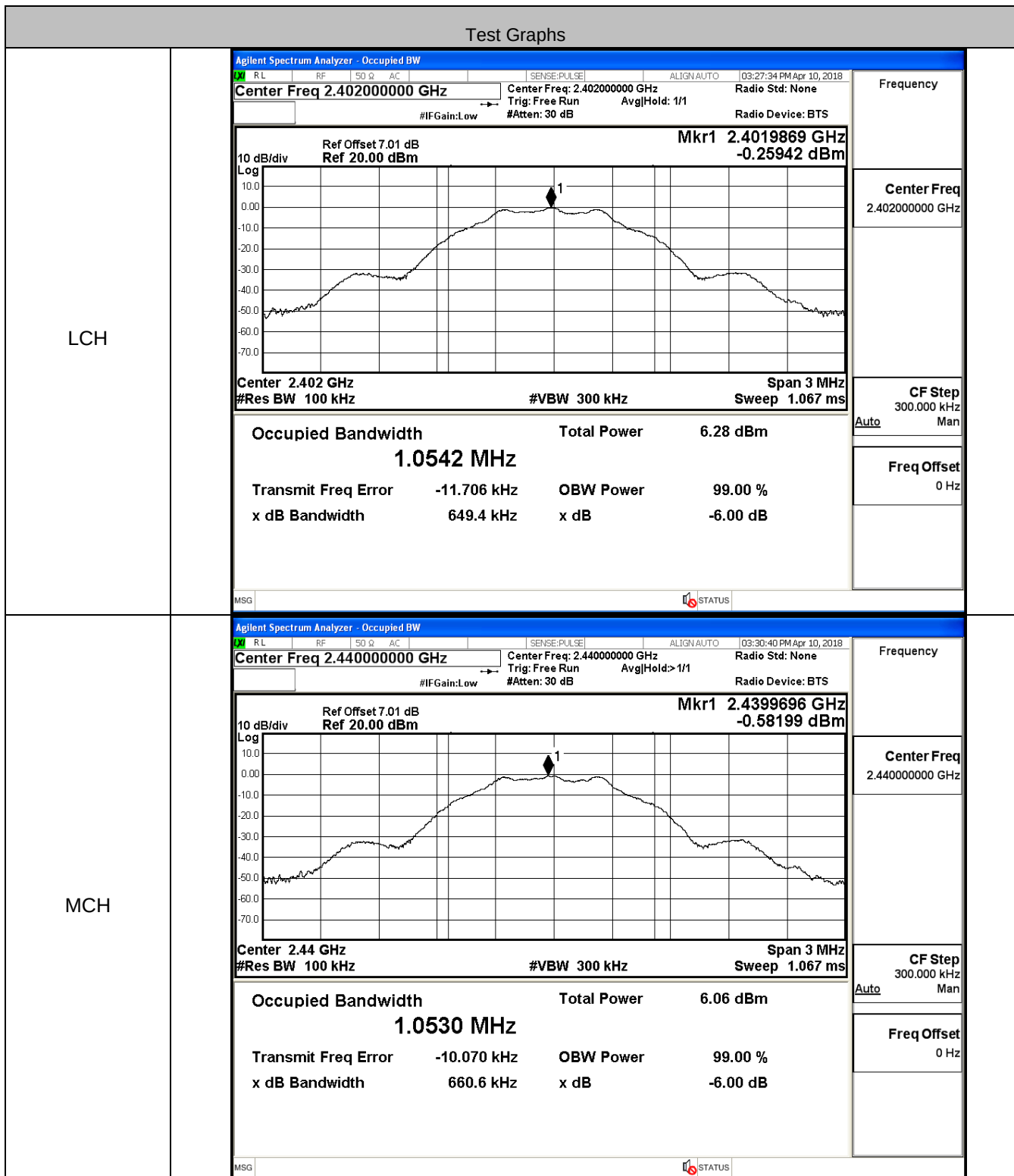
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.478	8	PASS
BT LE	MCH	-15.998	8	PASS
BT LE	HCH	-15.815	8	PASS



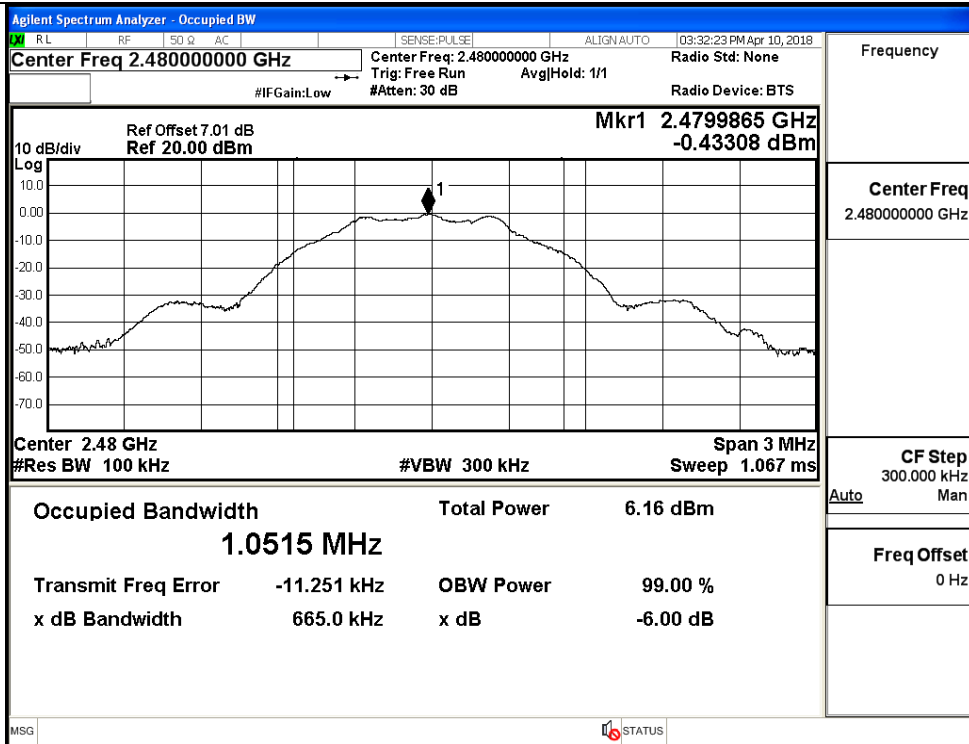


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6494	≥ 0.5	PASS
BT LE	MCH	0.6606	≥ 0.5	PASS
BT LE	HCH	0.6650	≥ 0.5	PASS

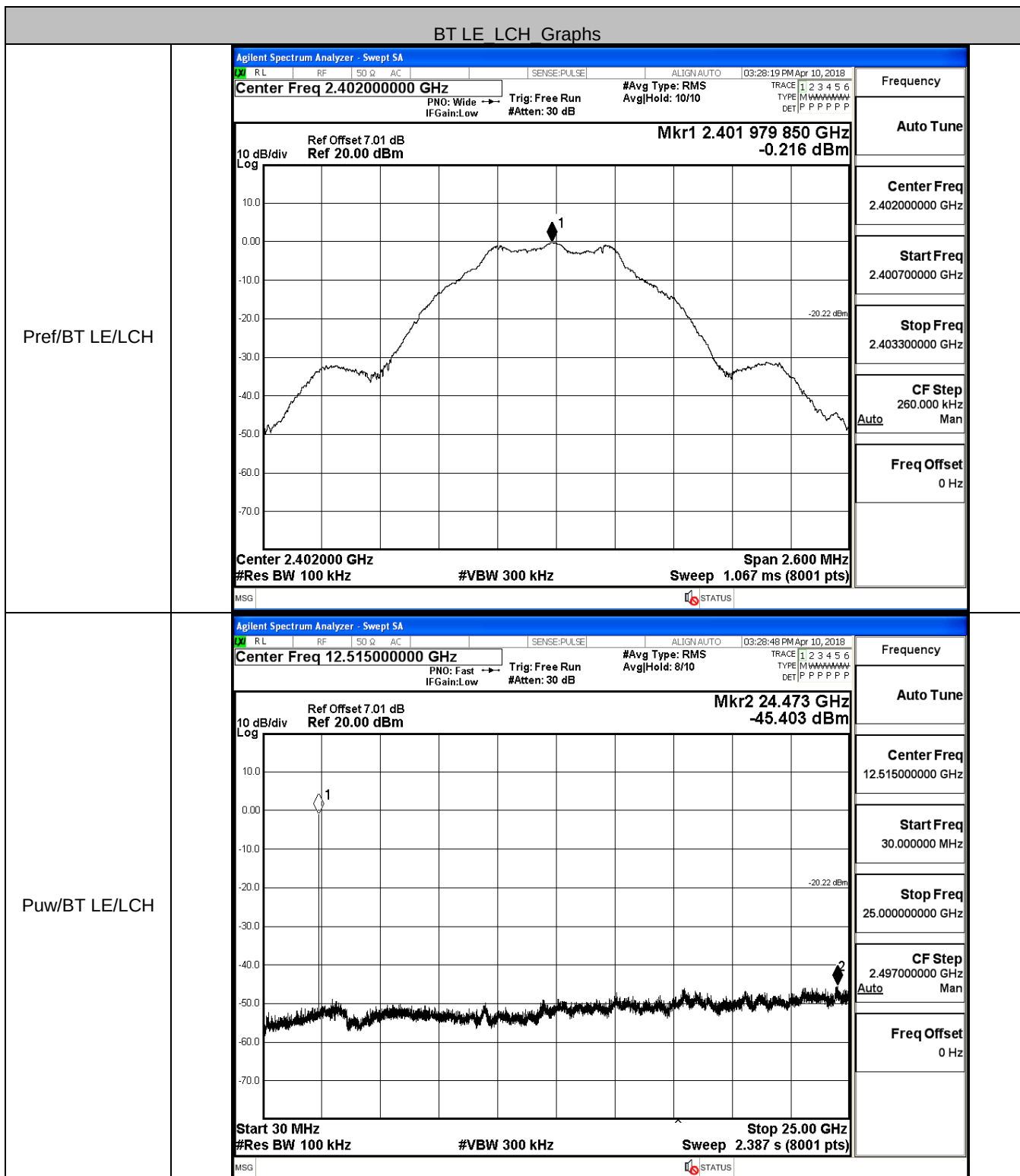


HCH



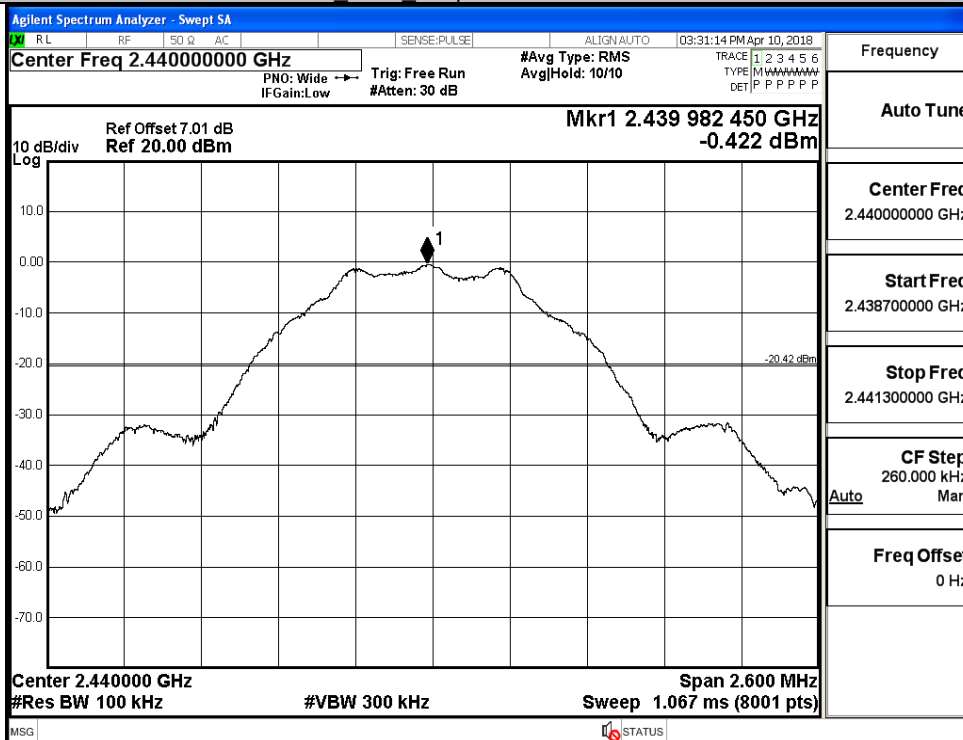
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.216	-45.403	-20.216	PASS
BT LE	MCH	-0.422	-44.605	-20.422	PASS
BT LE	HCH	-0.408	-45.192	-20.408	PASS

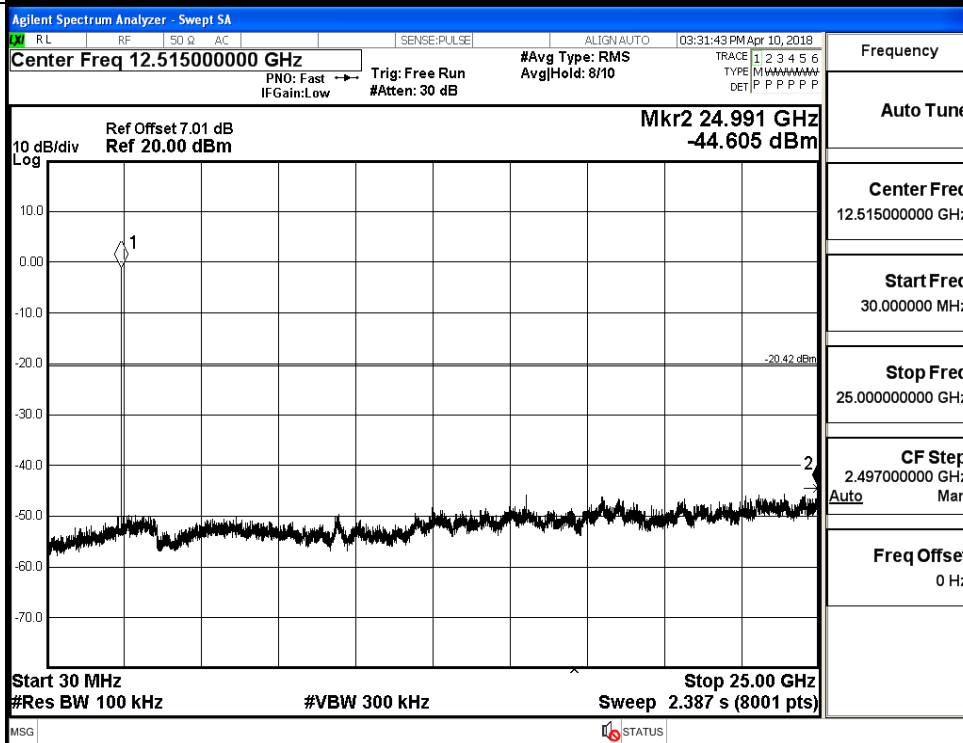


BT LE MCH Graphs

Pref/BT LE/MCH

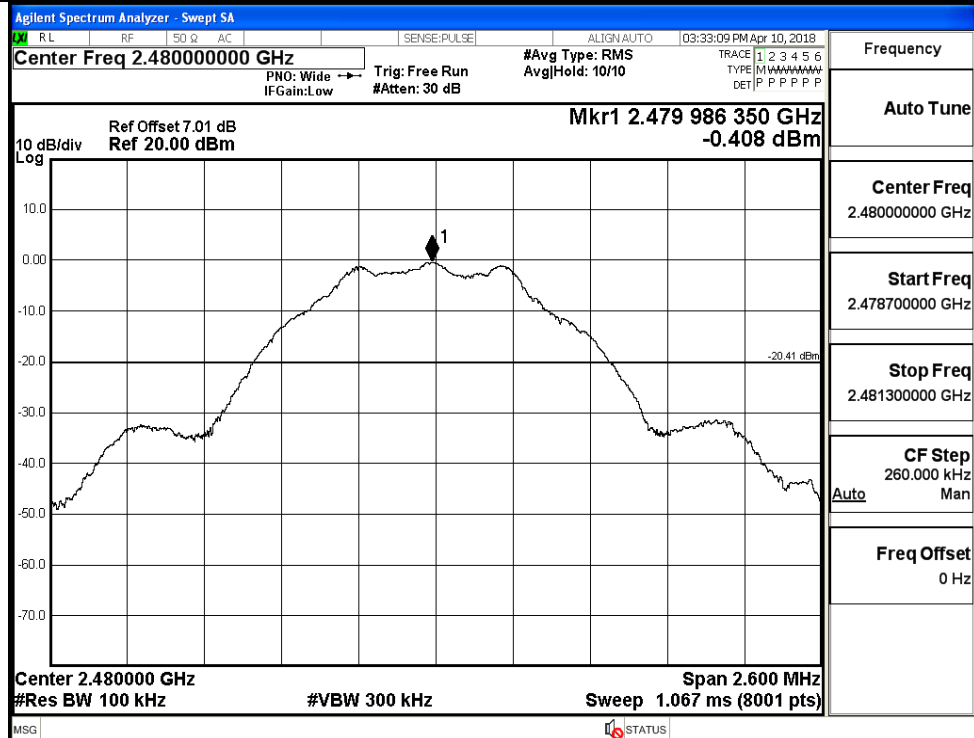


Puw/BT LE/MCH

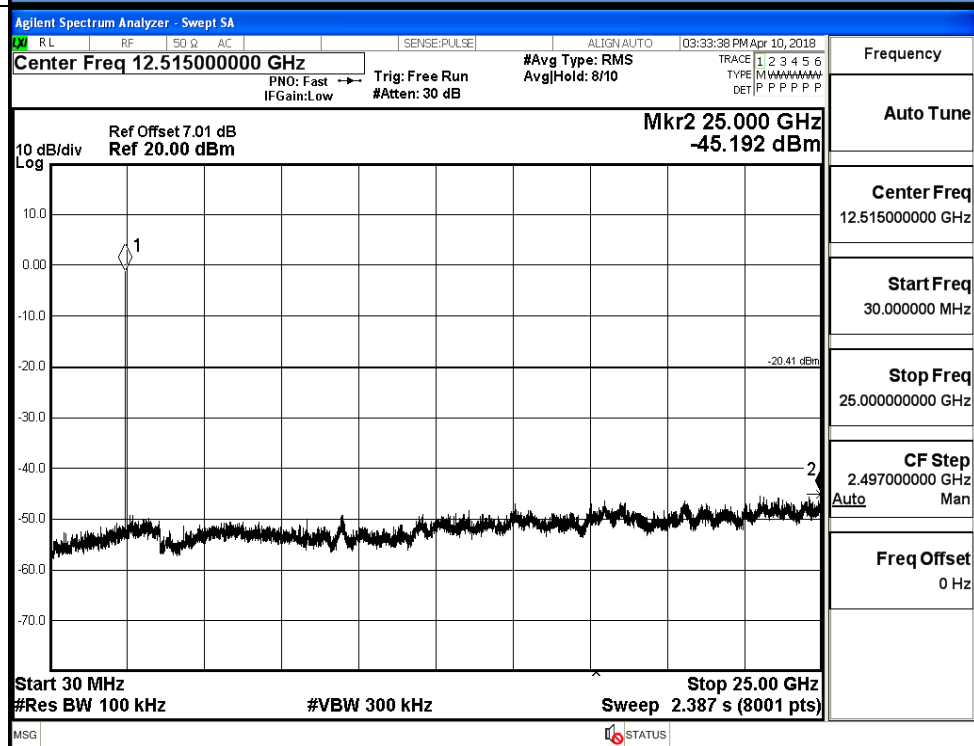


BT LE HCH Graphs

Pref/BT LE/HCH

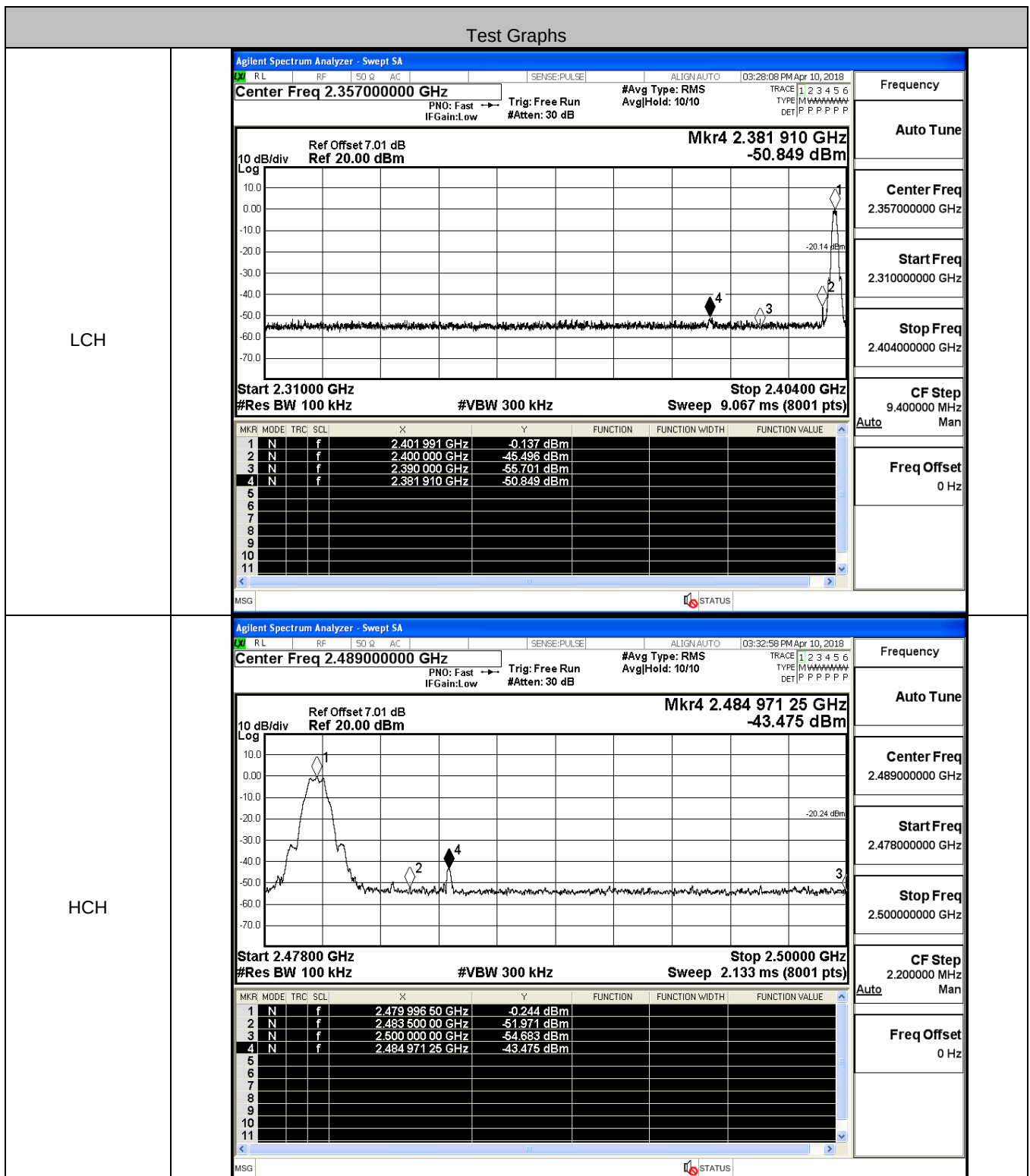


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

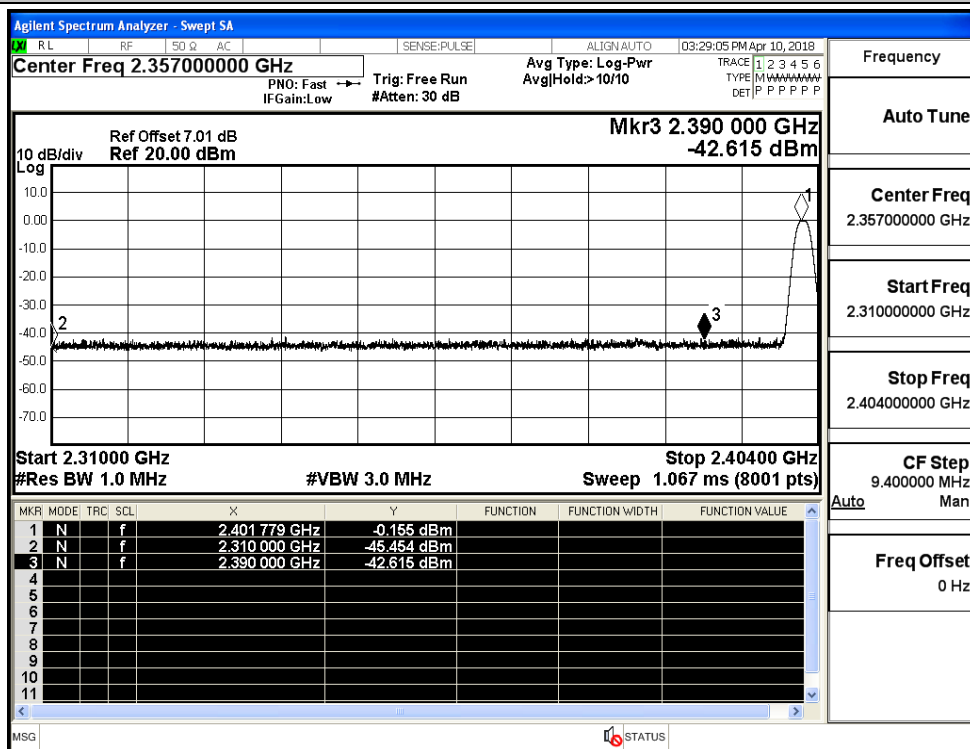
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.137	-50.849	-20.14	PASS
BT LE	HCH	-0.244	-43.475	-20.24	PASS



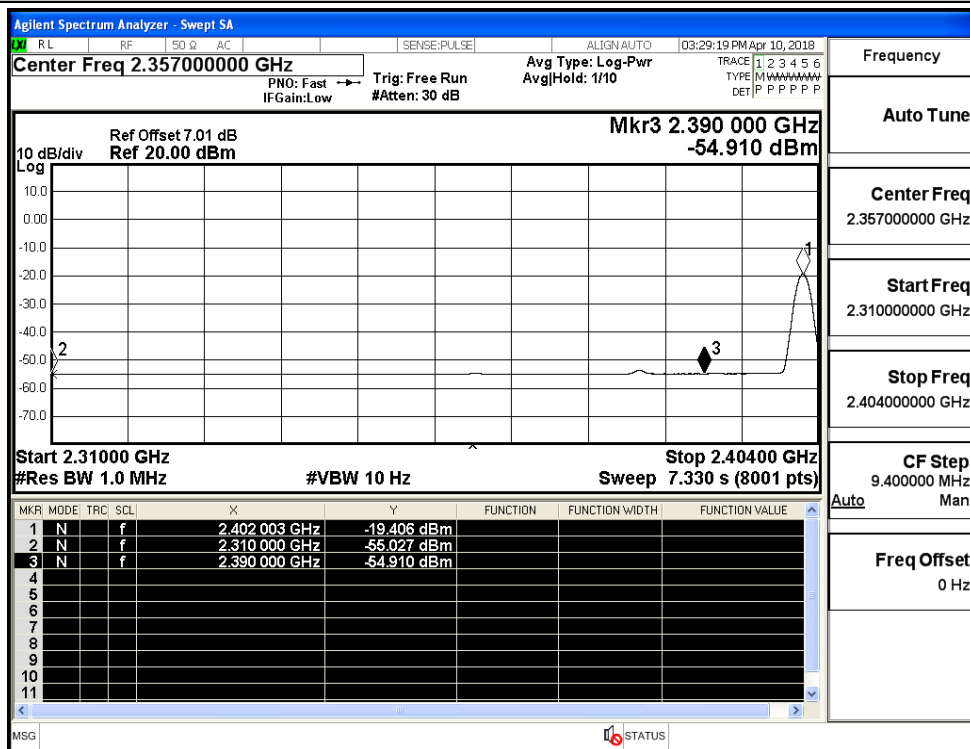
B.7 Restrict-band band-edge measurements

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	-45.45	2.0	0	51.81	PEAK	74	PASS
		Ant1	2310.0	-55.03	2.0	0	42.23	AV	54	PASS
		Ant1	2390.0	-42.62	2.0	0	54.64	PEAK	74	PASS
		Ant1	2390.0	-54.91	2.0	0	42.35	AV	54	PASS
	2480	Ant1	2483.5	-44.46	2.0	0	52.80	PEAK	74	PASS
		Ant1	2483.5	-54.45	2.0	0	42.81	AV	54	PASS
		Ant1	2500.0	-44.04	2.0	0	53.22	PEAK	74	PASS
		Ant1	2500.0	-53.72	2.0	0	43.54	AV	54	PASS

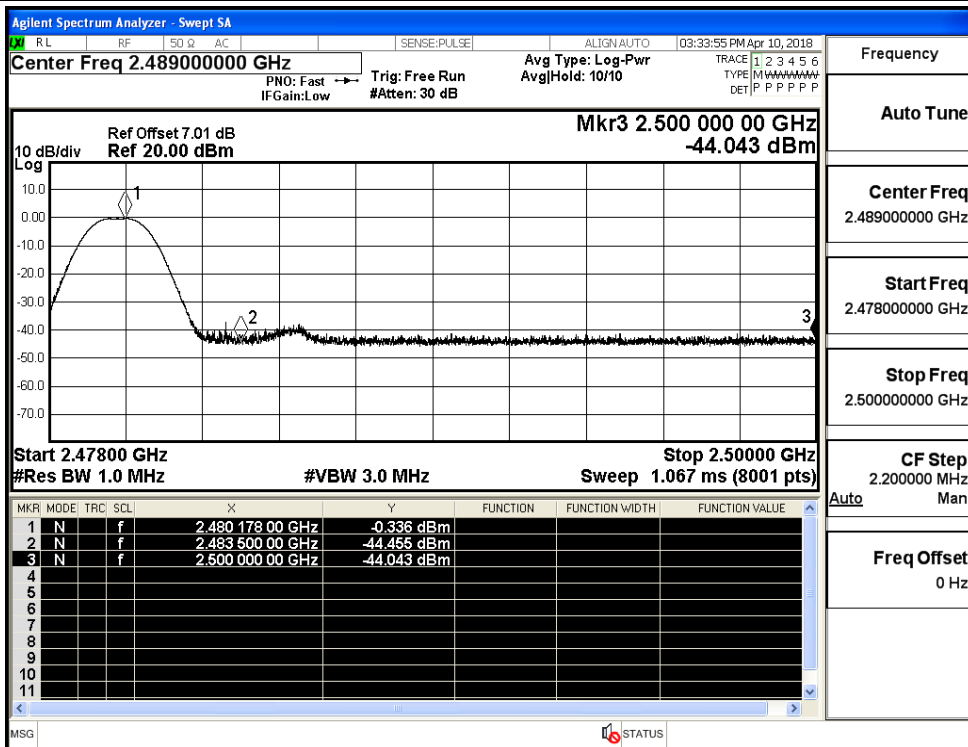
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

