

## Appendix B

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

Product Name: Tablet PC

Trade Mark: FUSION5

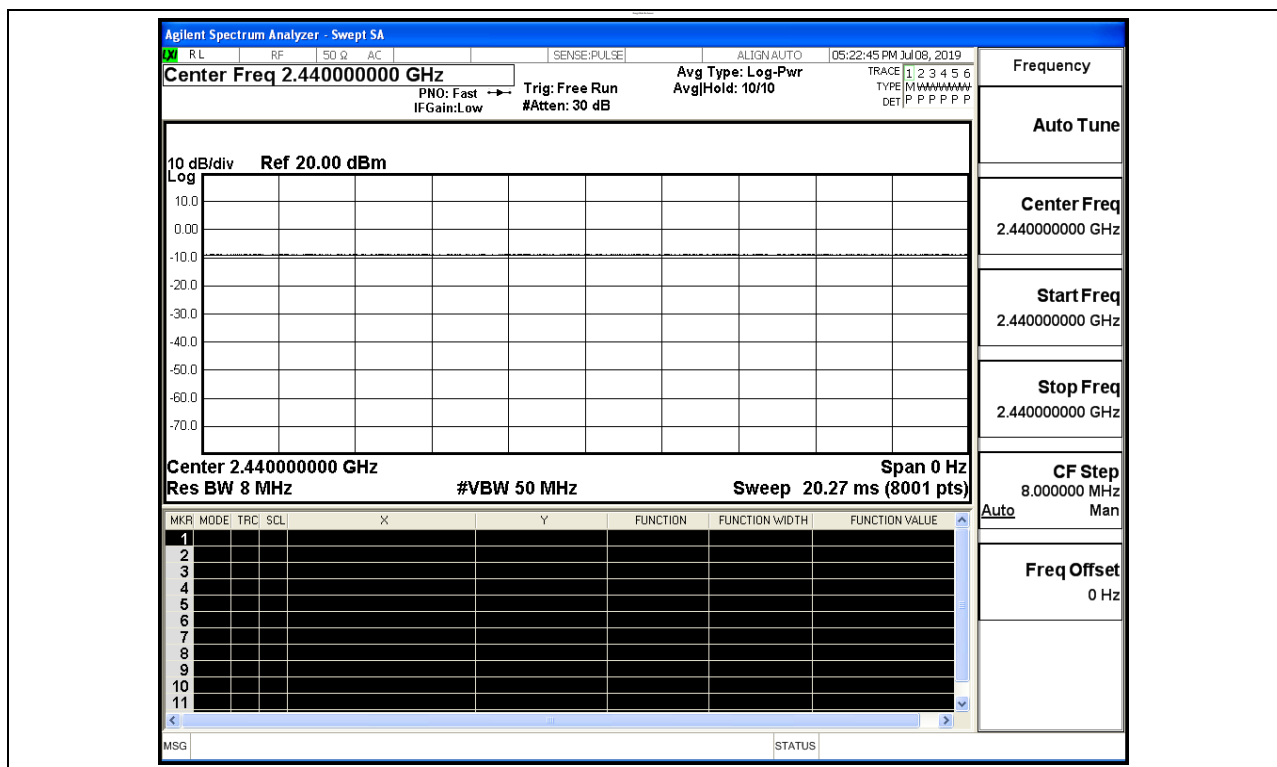
Test Model: FWIN232 Plus

#### Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Wang.Chuang

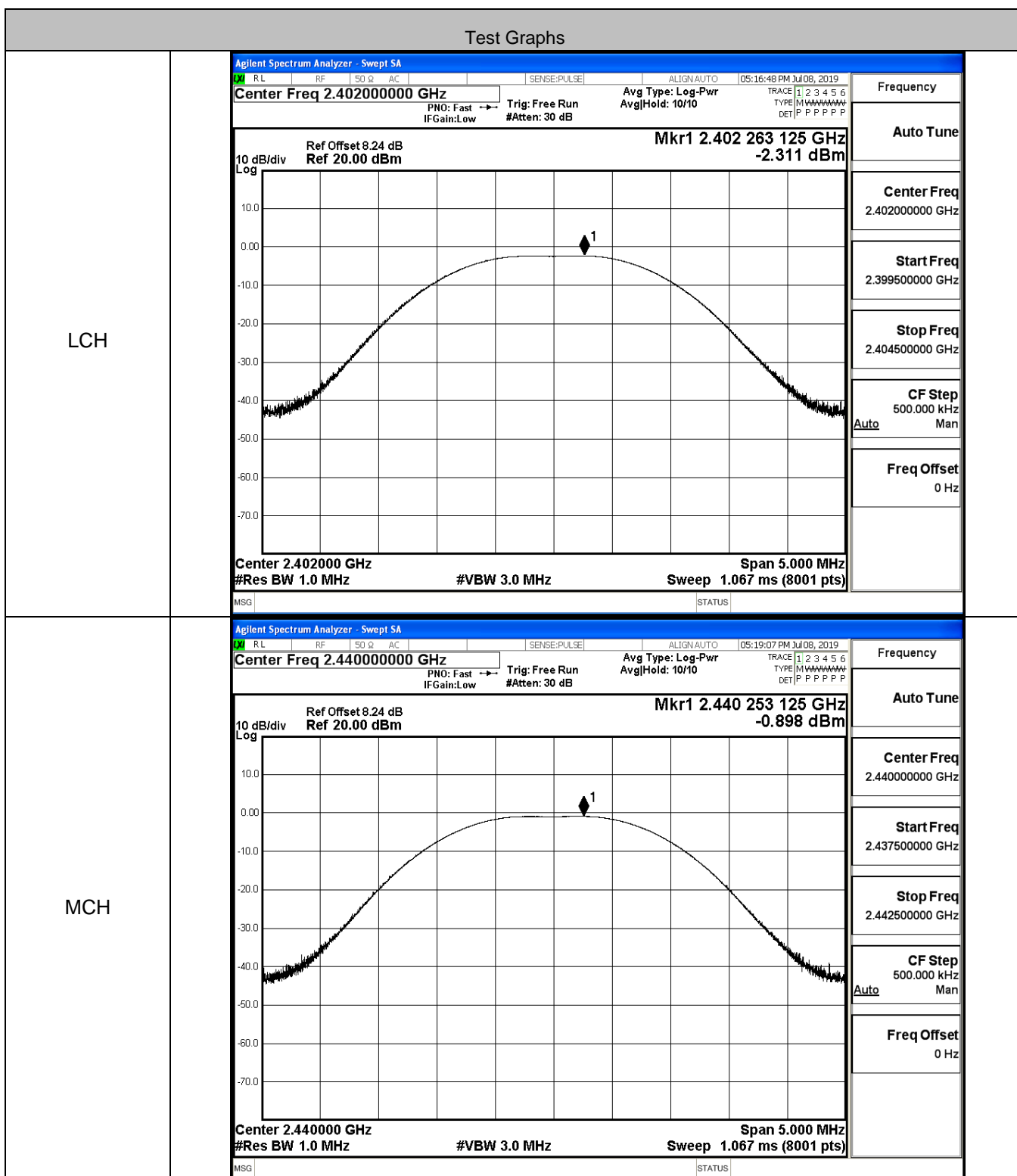
#### B.1 Duty Cycle

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

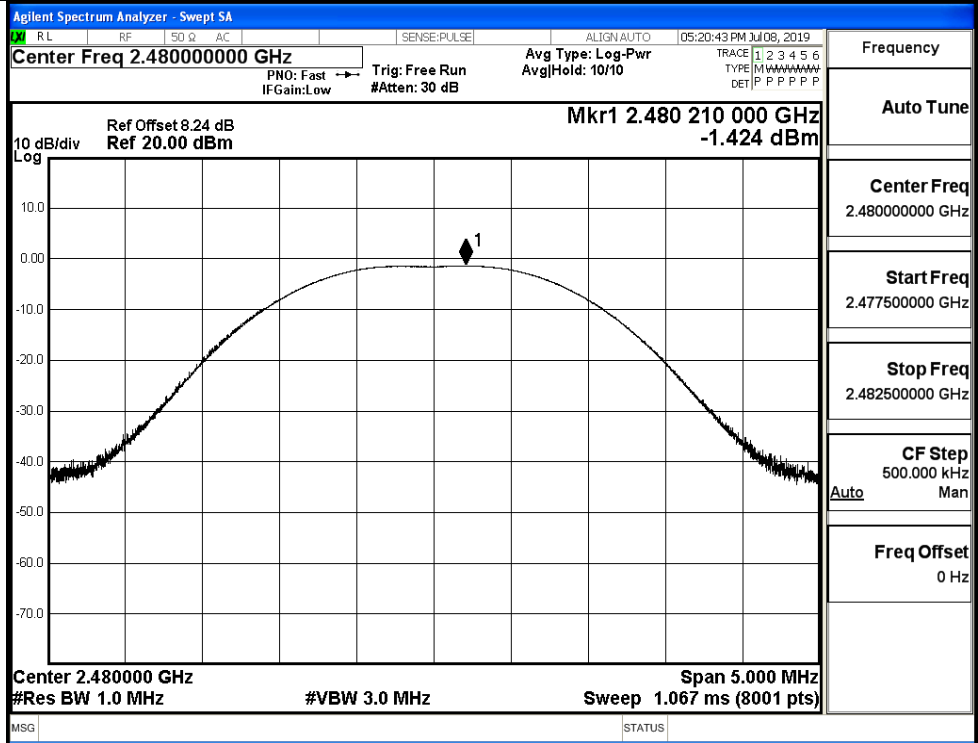


## B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.311	30	PASS
BT LE	MCH	-0.898	30	PASS
BT LE	HCH	-1.424	30	PASS



HCH

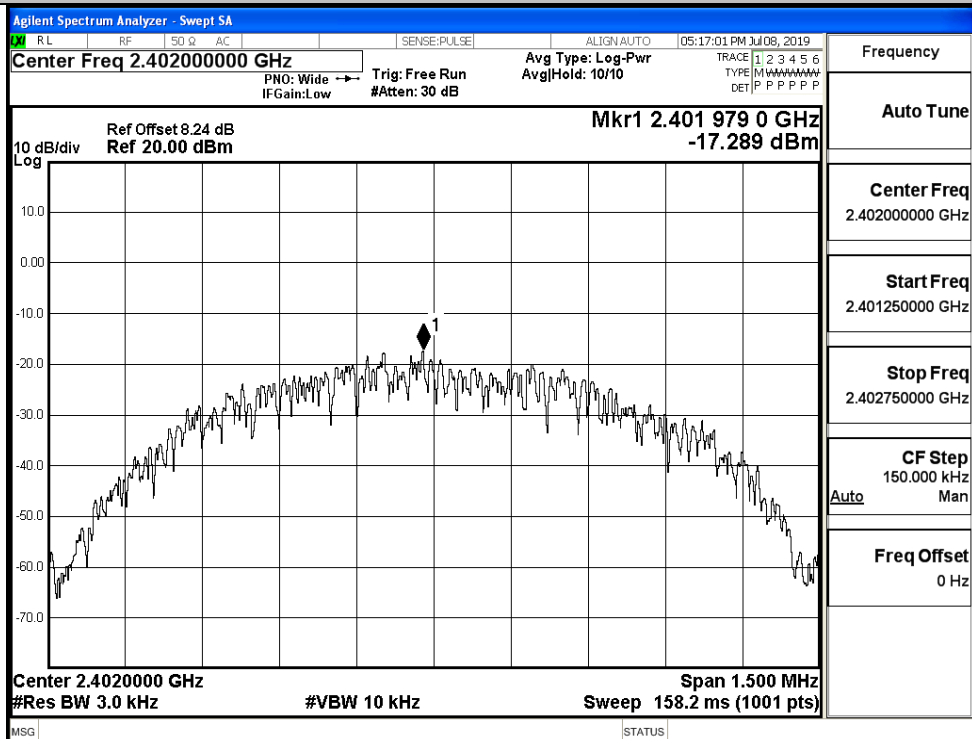


### B.3 Maximum Power Spectral Density

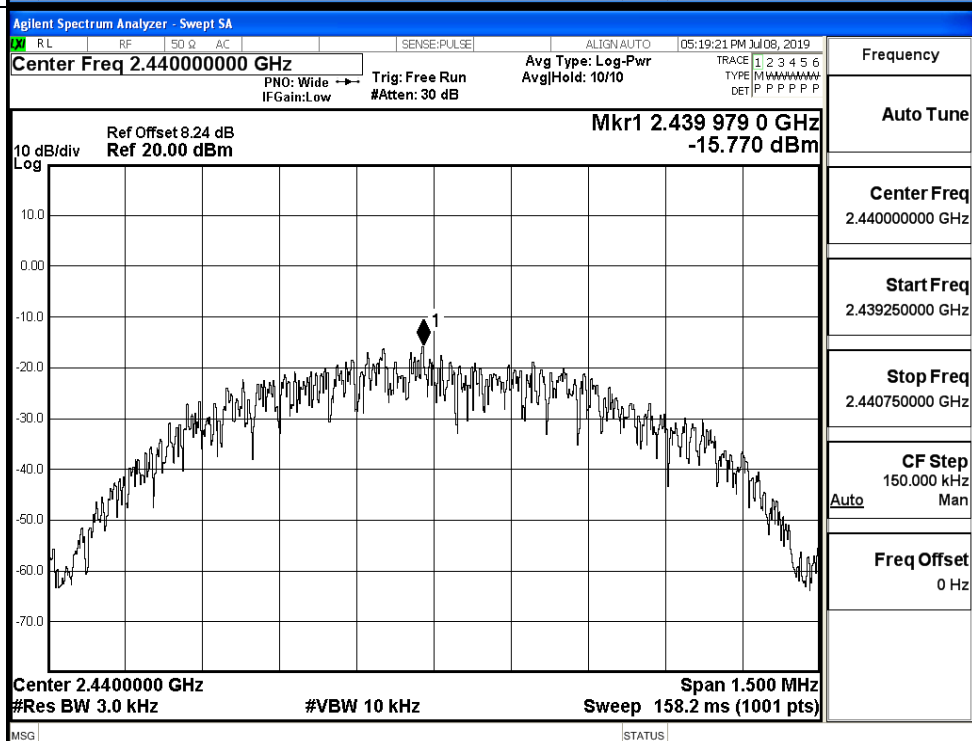
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.289	8	PASS
BT LE	MCH	-15.770	8	PASS
BT LE	HCH	-16.793	8	PASS

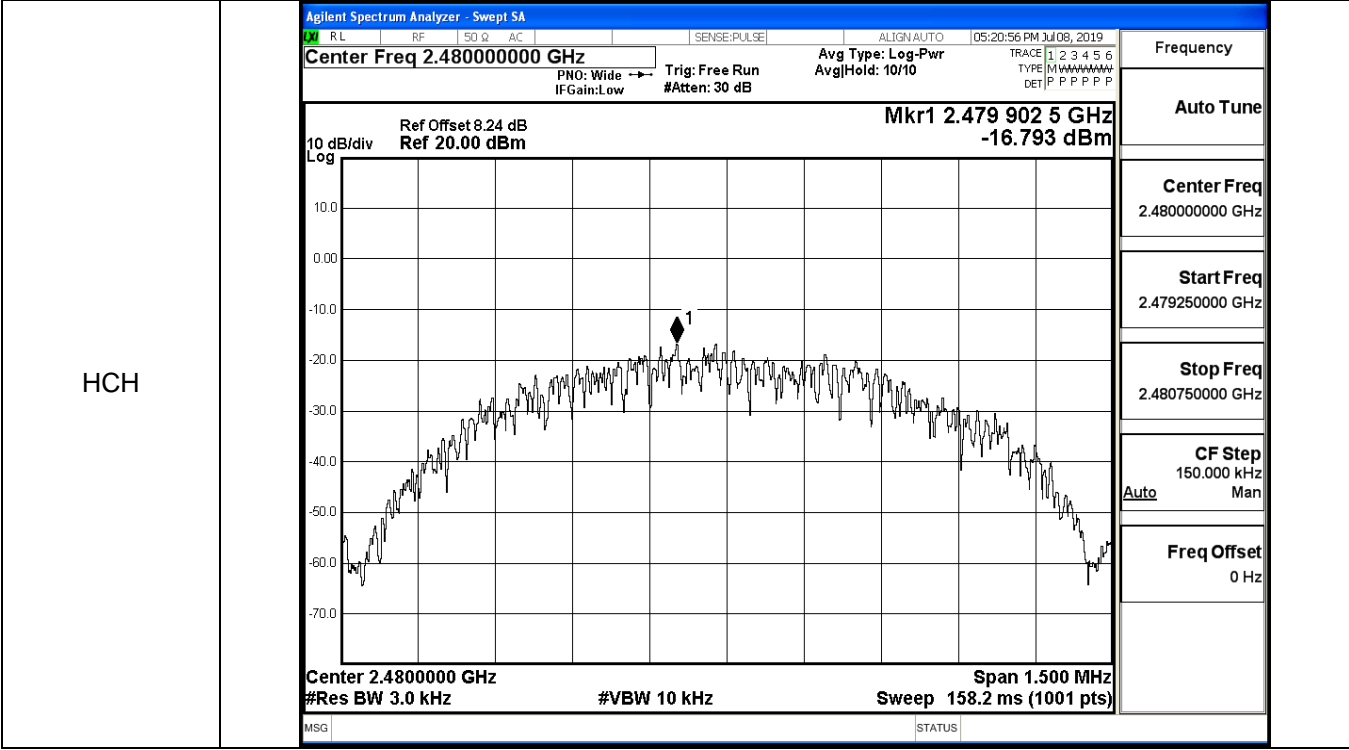
#### Test Graphs

LCH



MCH



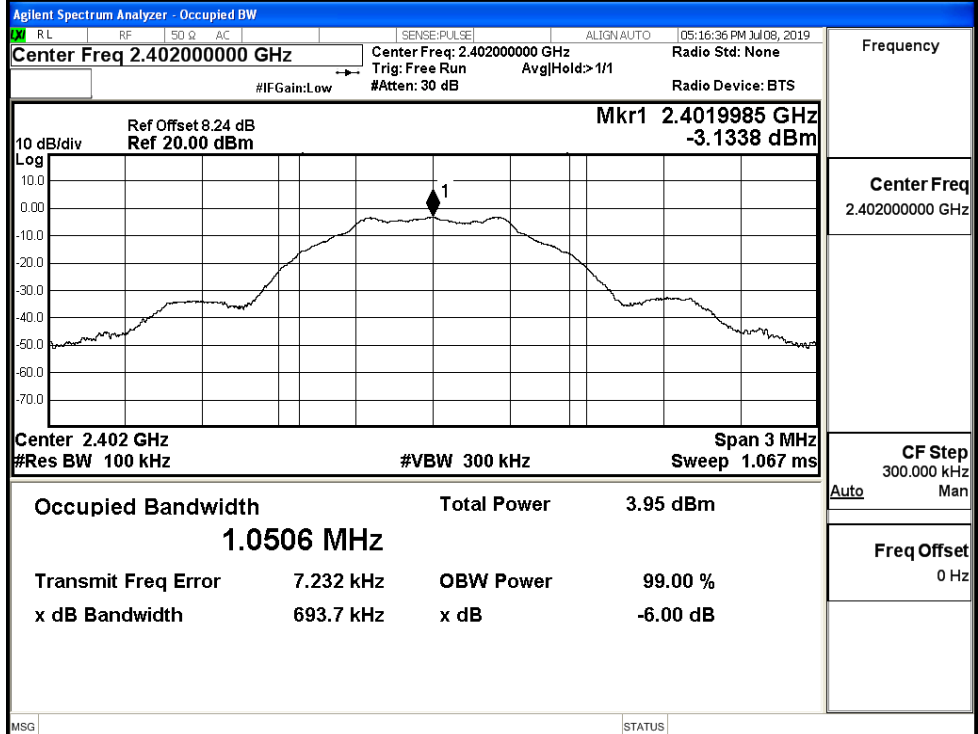


## B.4 6dB Bandwidth

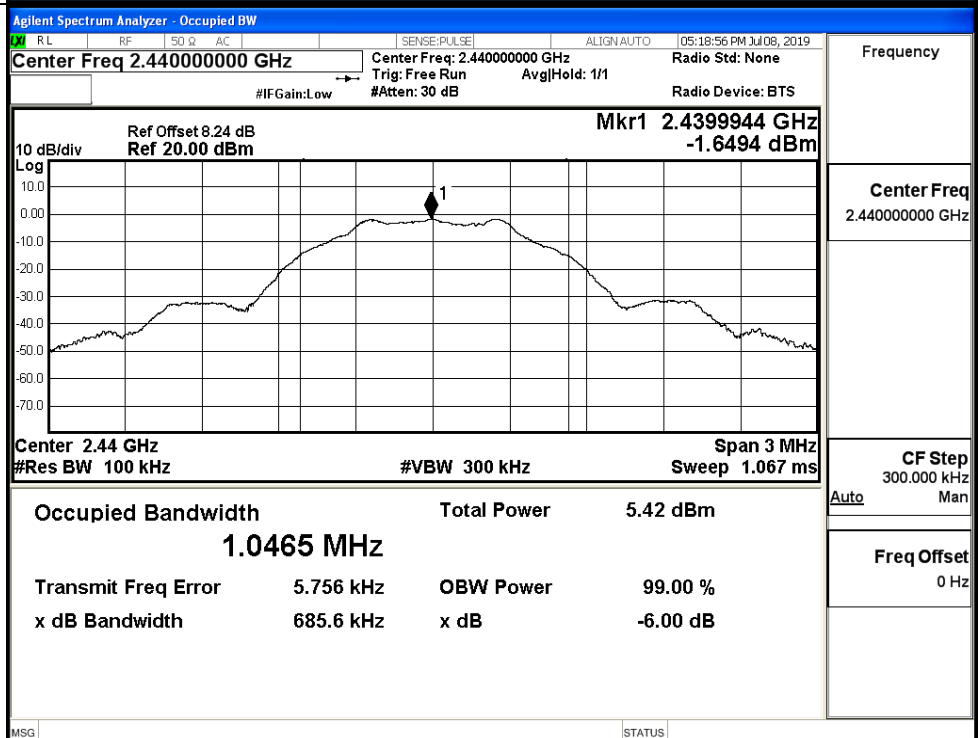
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6937	$\geq 0.5$	PASS
BT LE	MCH	0.6856	$\geq 0.5$	PASS
BT LE	HCH	0.6938	$\geq 0.5$	PASS

### Test Graphs

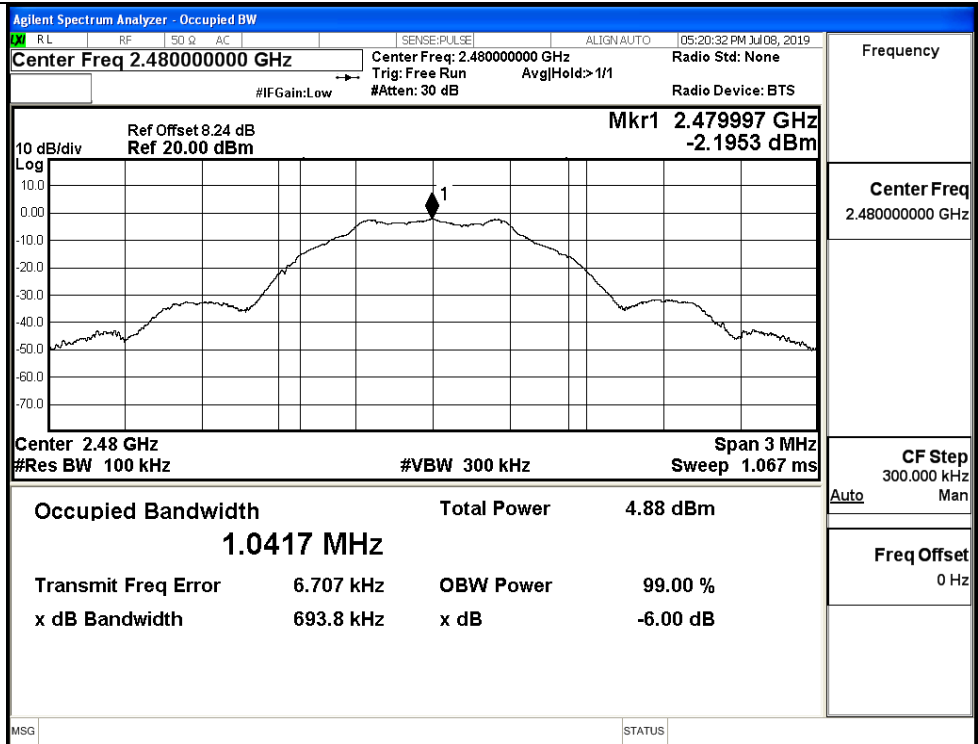
LCH



MCH

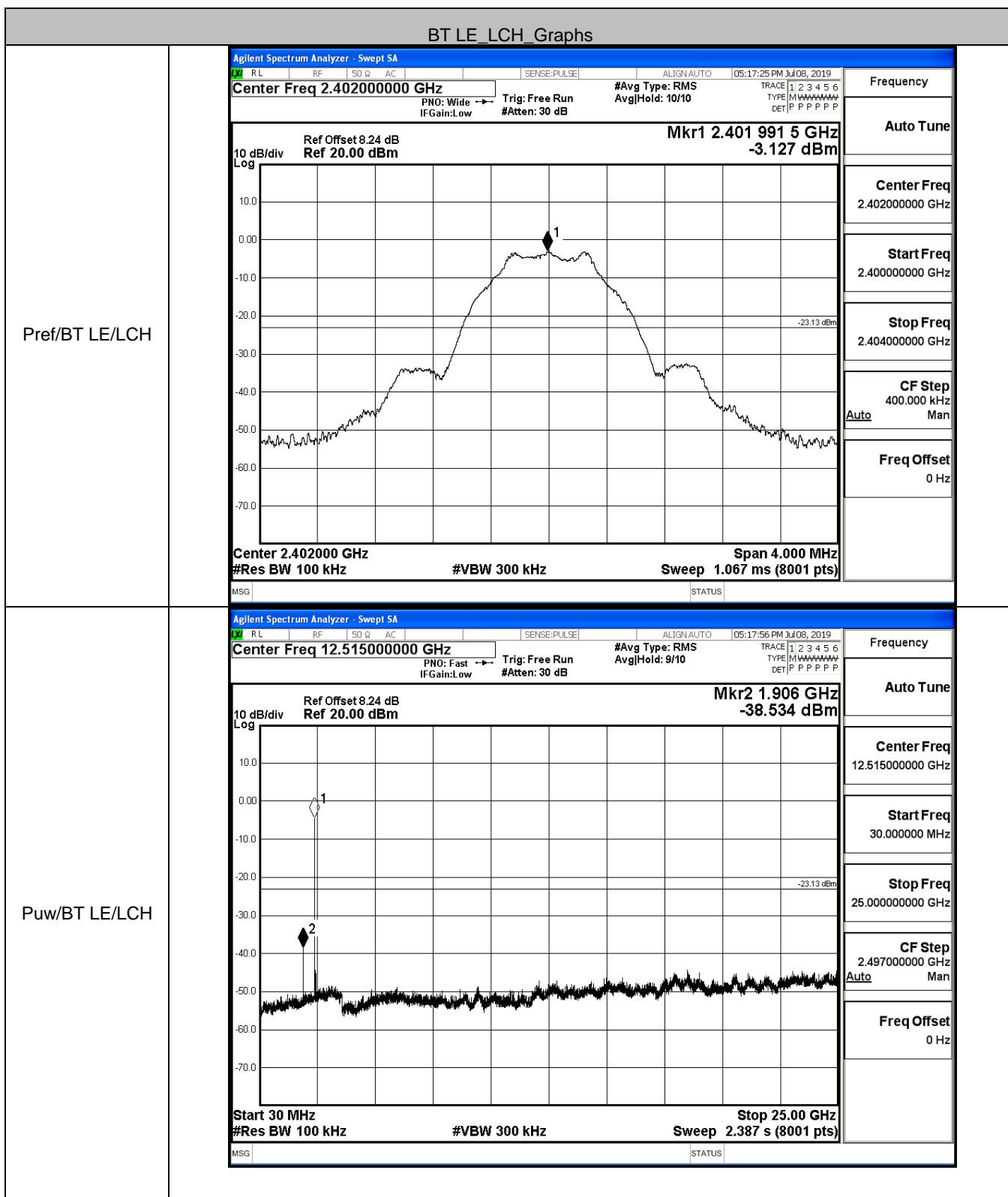


HCH

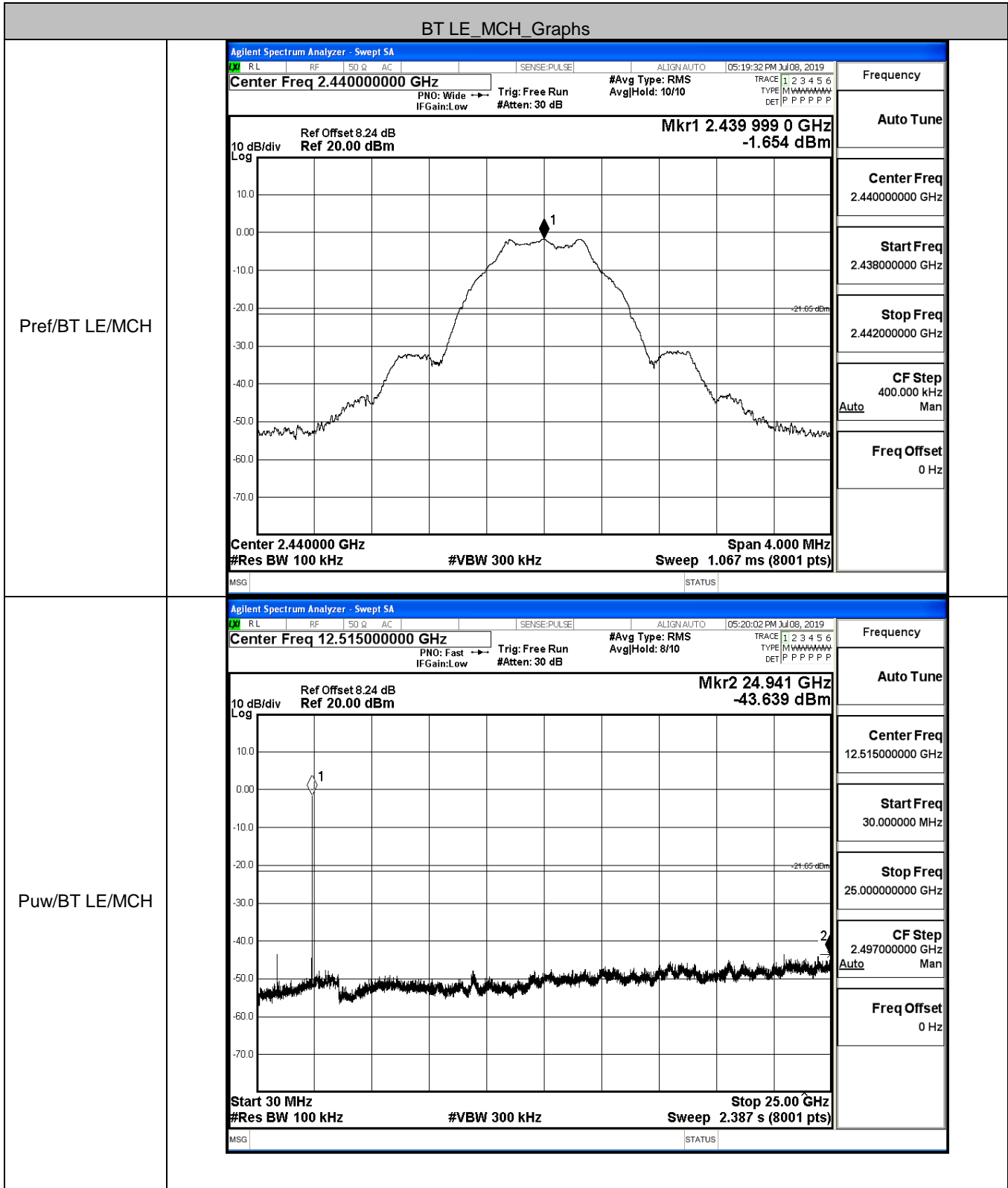


# B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.127	-38.534	-23.127	PASS
BT LE	MCH	-1.654	-43.639	-21.654	PASS
BT LE	HCH	-2.177	-43.222	-22.177	PASS

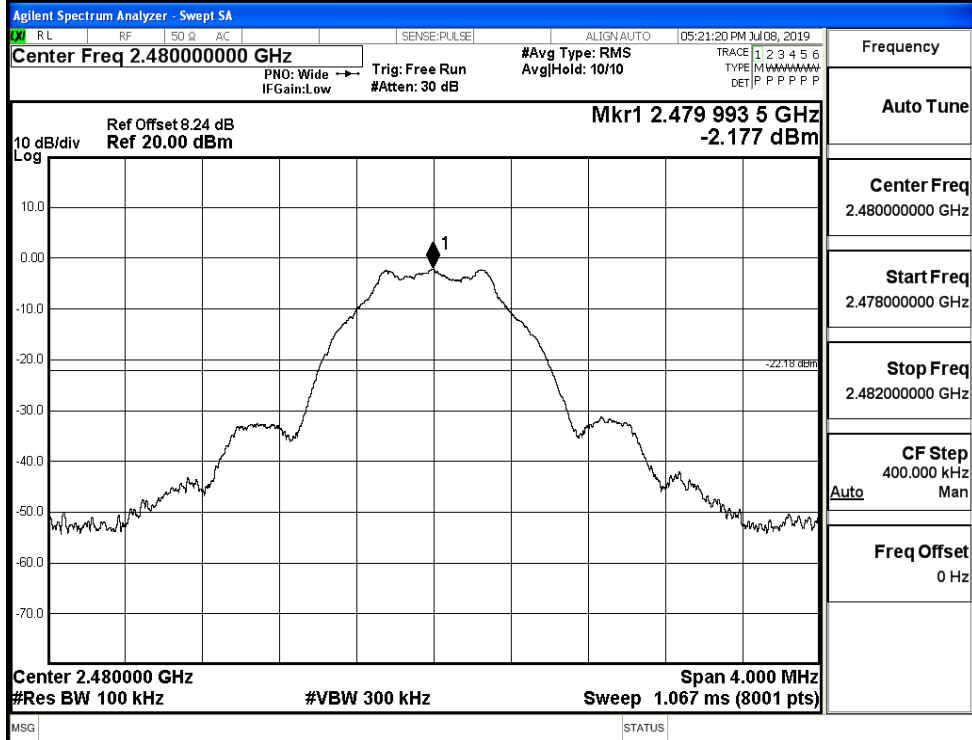




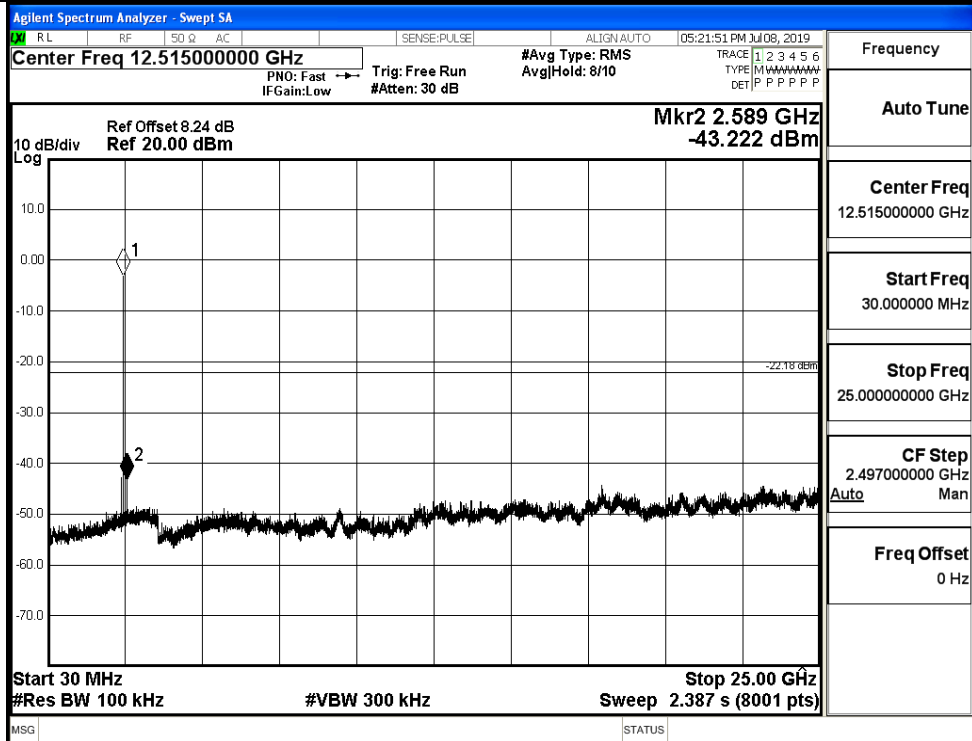


BT LE\_HCH\_Graphs

Pref/BT LE/HCH

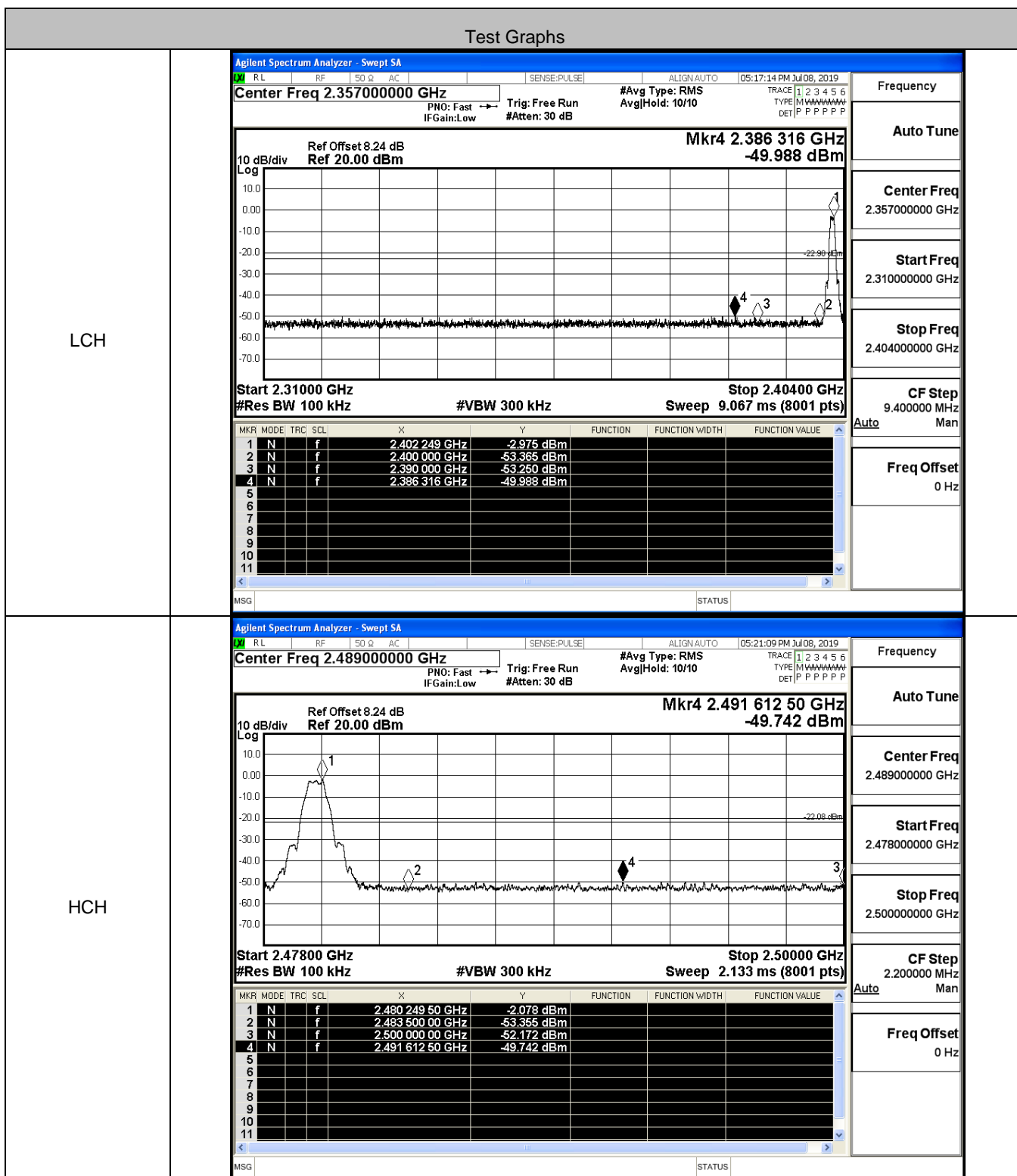


Puw/BT LE/HCH



## B.6 Band-edge for RF Conducted Emissions

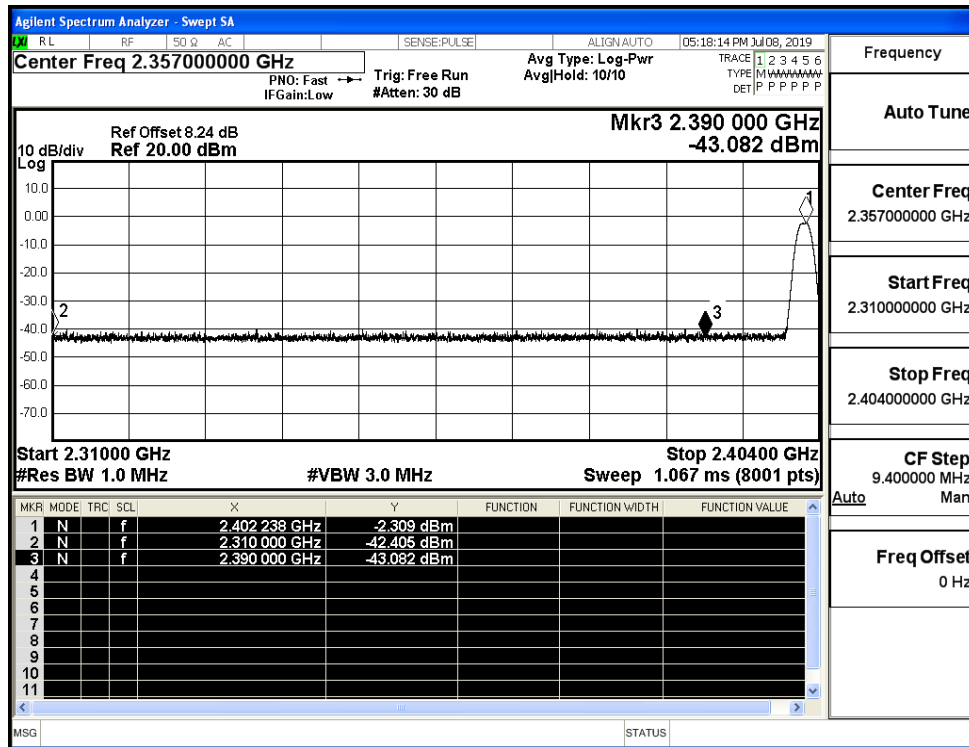
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.975	-49.988	-22.98	PASS
BT LE	HCH	-2.078	-49.742	-22.08	PASS



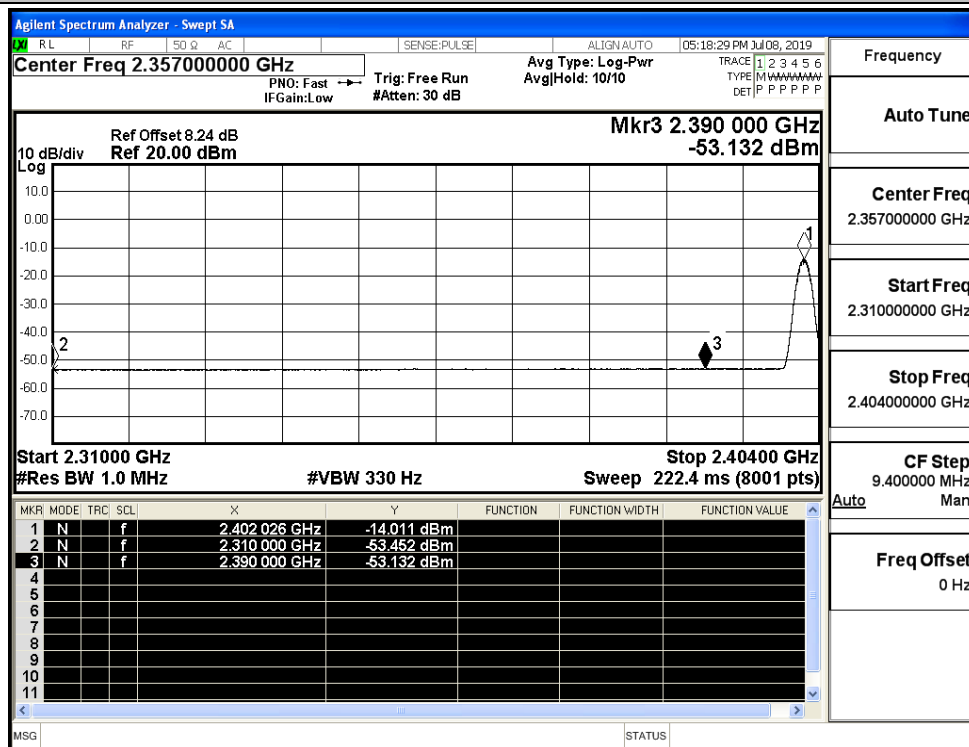
## B.7 Restrict-band band-edge measurements

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	-42.41	2.0	0	52.85	PEAK	74	PASS
		Ant1	2310.0	-53.45	2.0	0	41.81	AV	54	PASS
		Ant1	2390.0	-43.08	2.0	0	52.18	PEAK	74	PASS
		Ant1	2390.0	-53.13	2.0	0	42.13	AV	54	PASS
	2480	Ant1	2483.5	-42.44	2.0	0	52.82	PEAK	74	PASS
		Ant1	2483.5	-52.89	2.0	0	42.37	AV	54	PASS
		Ant1	2500.0	-42.97	2.0	0	52.29	PEAK	74	PASS
		Ant1	2500.0	-52.81	2.0	0	42.45	AV	54	PASS

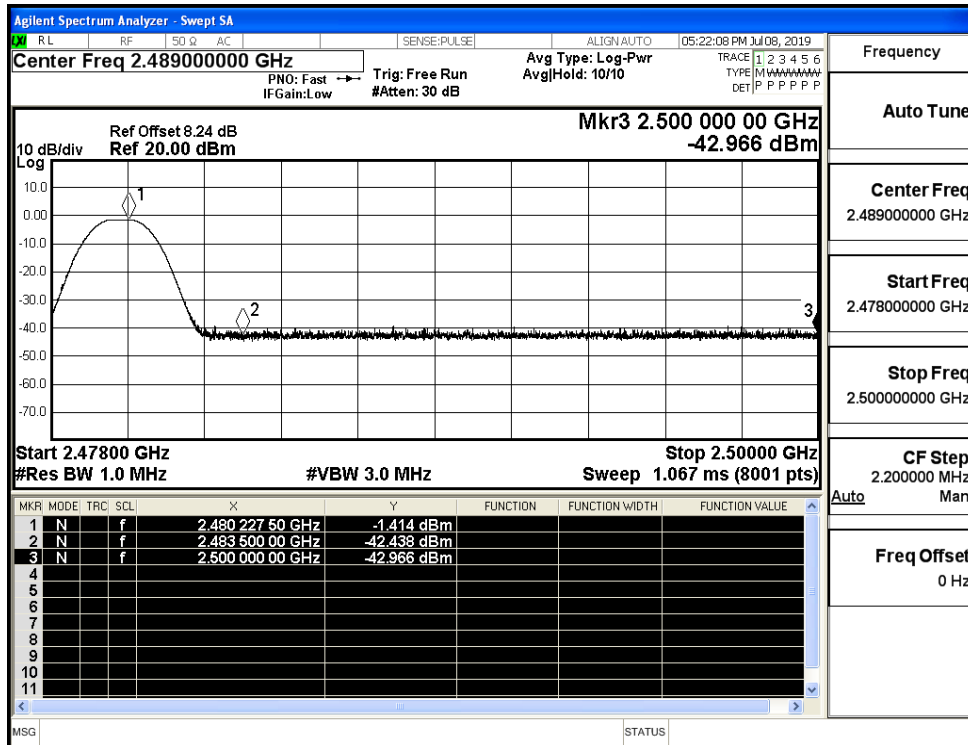
Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK



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

