# **Appendix B**

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

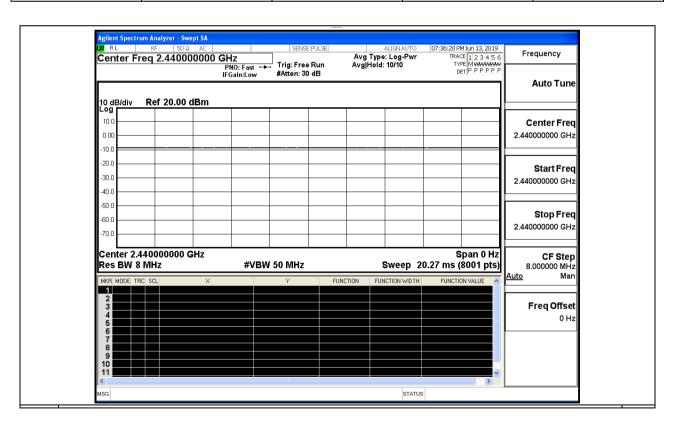
Product Name: TITAN 1785
Trade Mark: TITAN
Test Model: 1785SL01

### **Environmental Conditions**

<del>_</del>	
Temperature:	25.4 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David.Luo David.Luo
Supervised by:	Tom.Liu

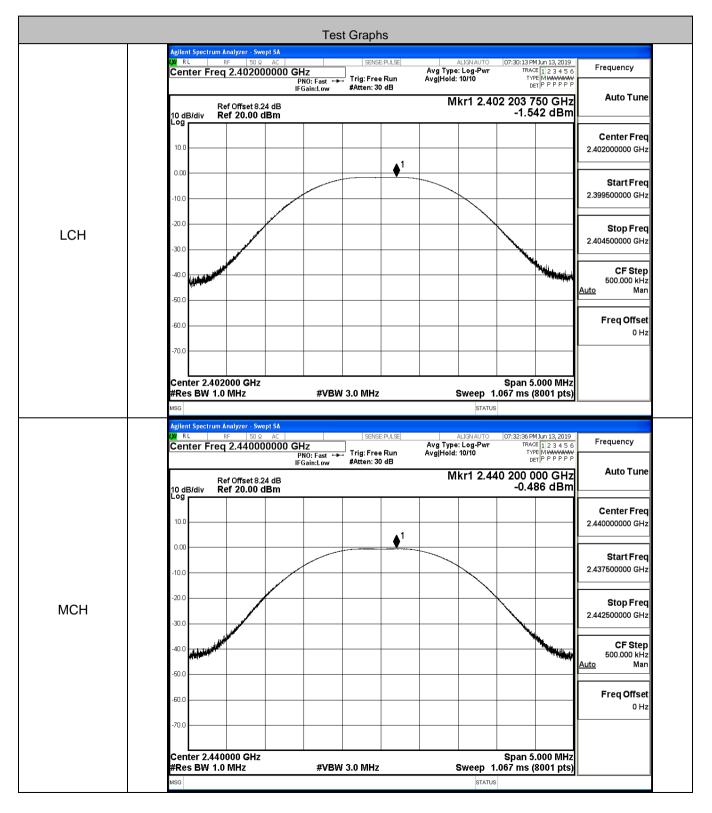
# **B.1 Duty Cycle**

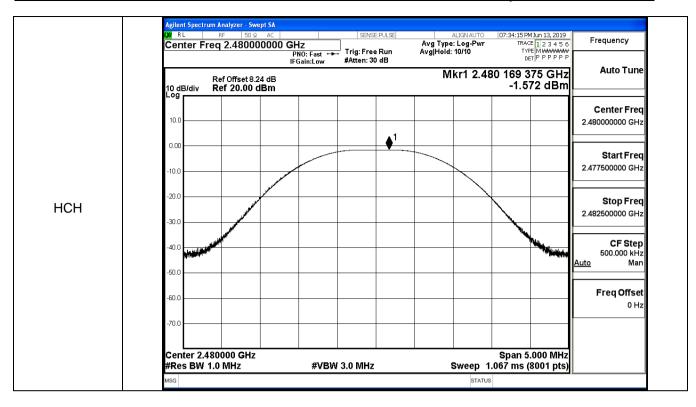
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



## **B.2 Maximum Conducted Peak Output Power**

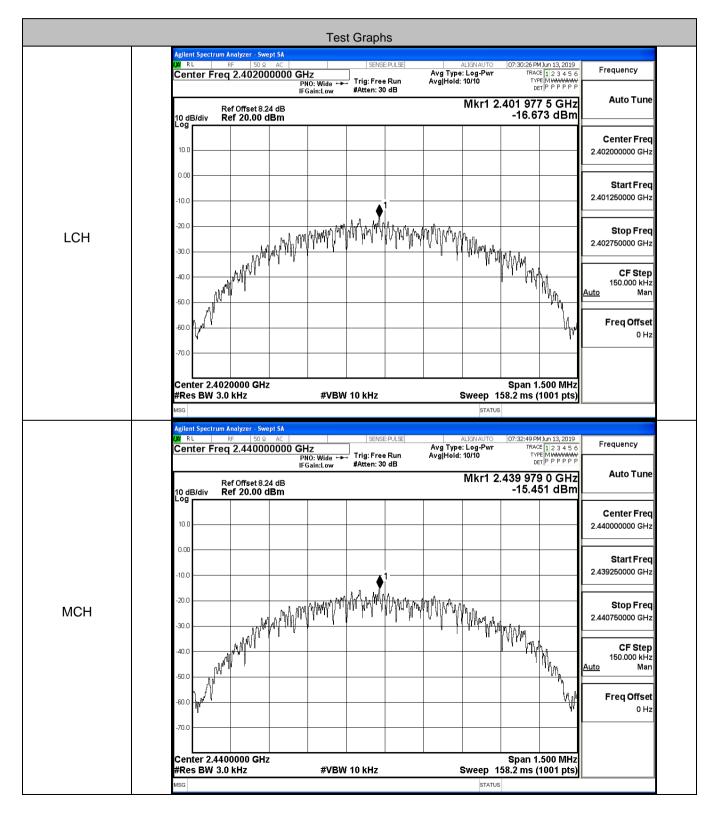
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.542	30	PASS
BT LE	MCH	-0.486	30	PASS
BT LE	HCH	-1.572	30	PASS



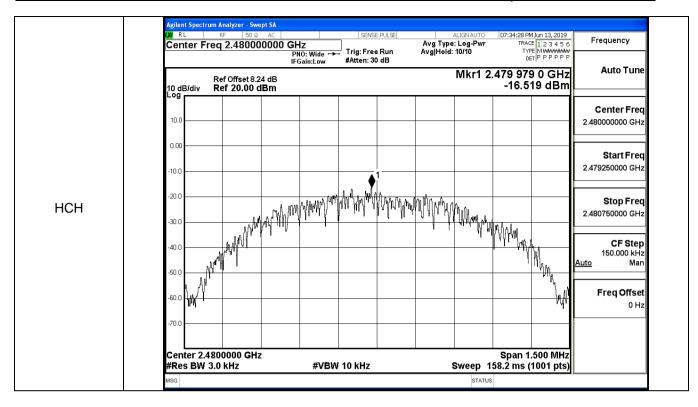


## **B.3 Maximum Power Spectral Density**

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.673	8	PASS
BT LE	MCH	-15.451	8	PASS
BT LE	НСН	-16.519	8	PASS

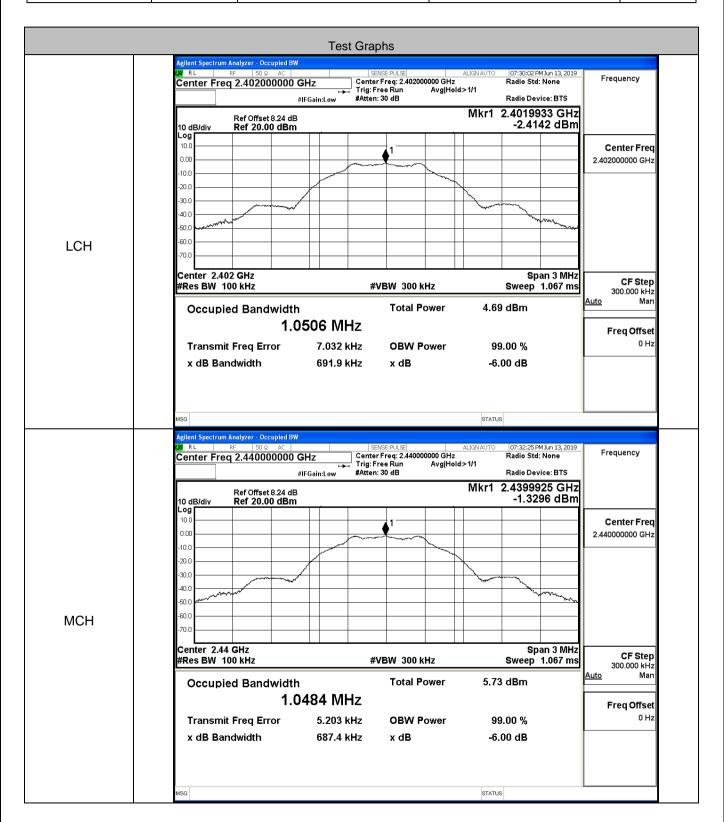


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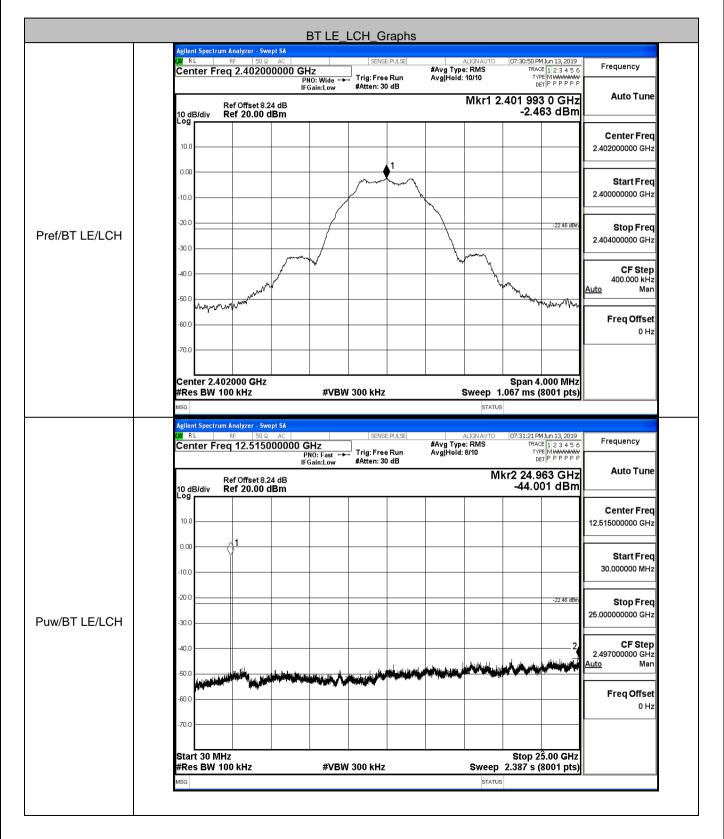
#### **B.4 6dB Bandwidth**

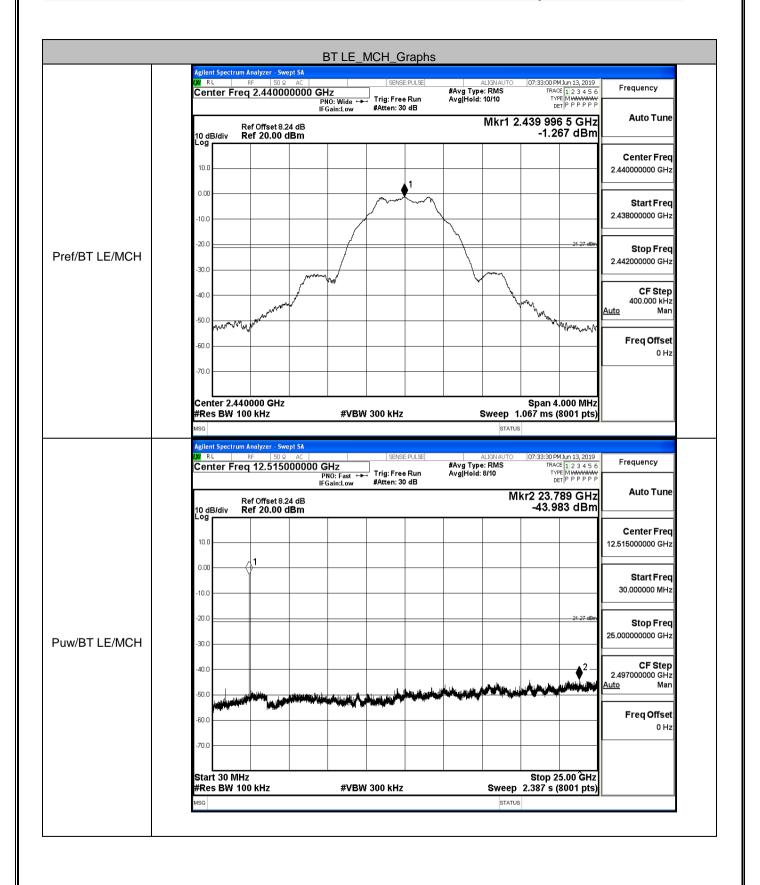
Mode	Channel	hannel 6dB Bandwidth [MHz] Limit [MHz]		Verdict
BT LE	LCH	0.6919	≥0.5	PASS
BT LE	MCH	0.6874	≥0.5	PASS
BT LE	НСН	0.6939	≥0.5	PASS

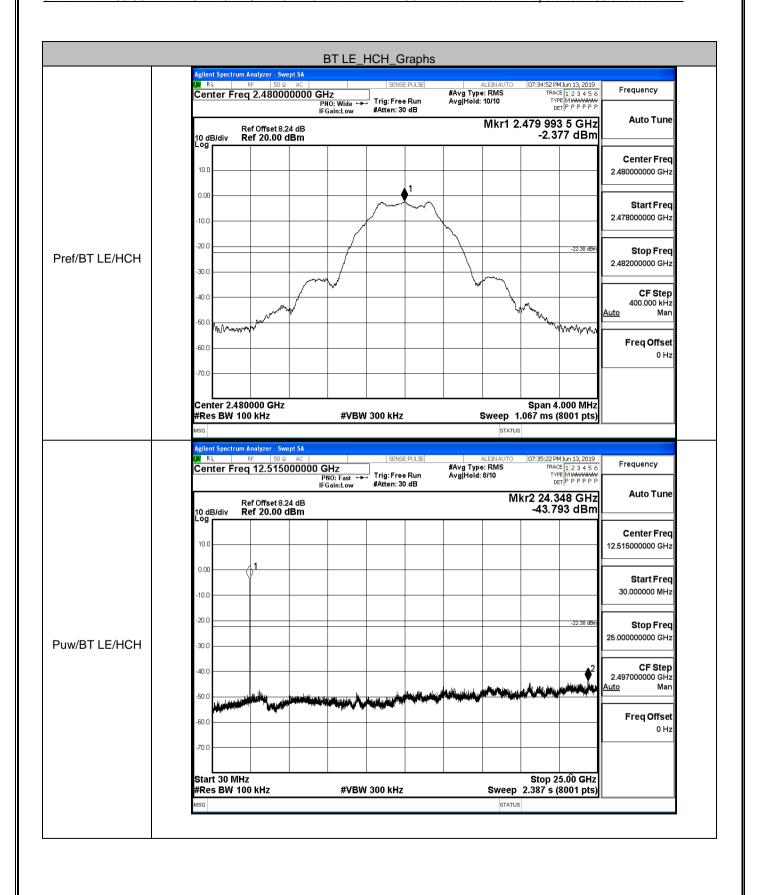


## **B.5 RF Conducted Spurious Emissions**

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.463	-44.001	-22.463	PASS
BT LE	МСН	-1.267	-43.983	-21.267	PASS
BT LE	НСН	-2.377	-43.793	-22.377	PASS

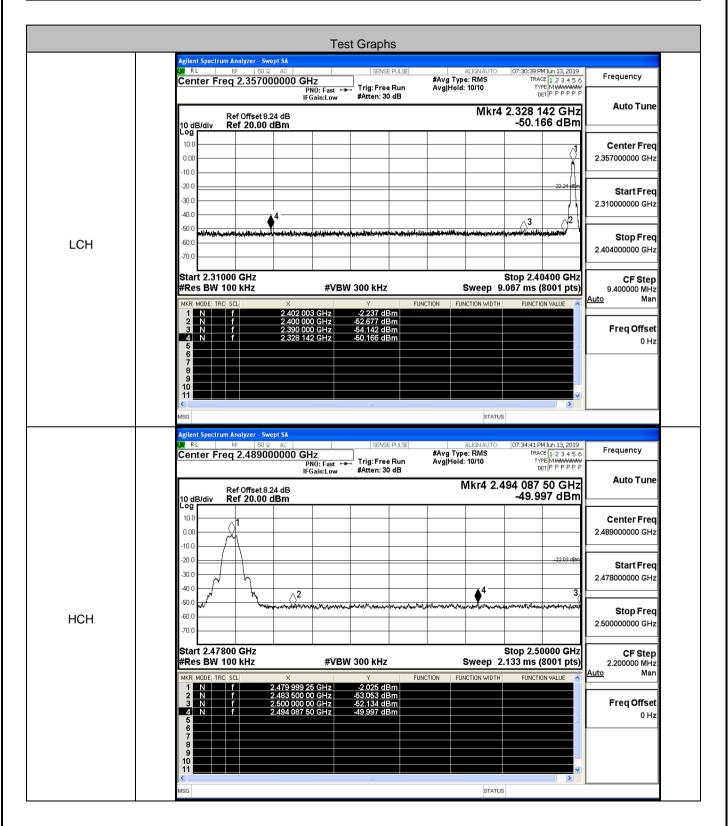






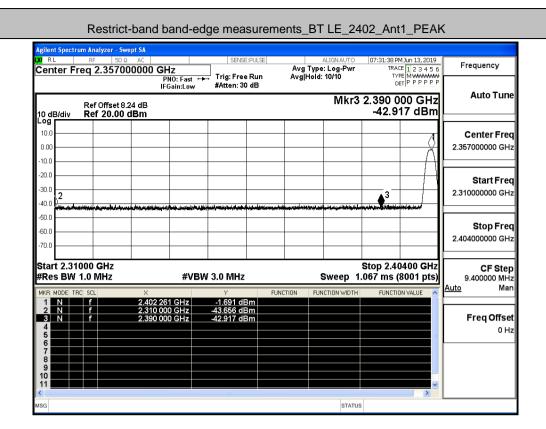
### **B.6 Band-edge for RF Conducted Emissions**

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.237	-50.166	-22.24	PASS
BT LE	HCH	-2.025	-49.997	-22.03	PASS

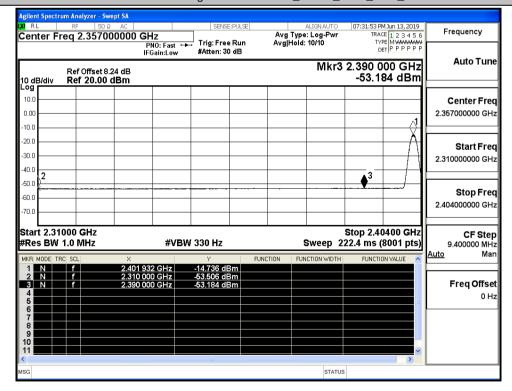


# **B.7 Restrict-band band-edge measurements**

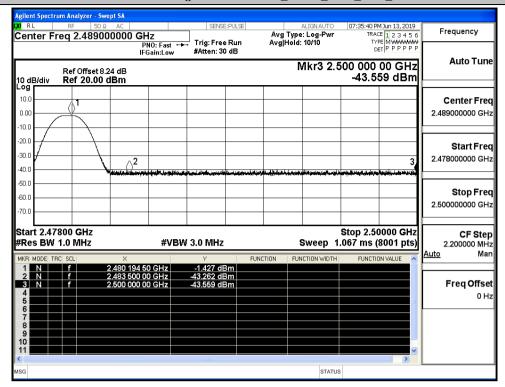
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.66	2.0	0	53.60	PEAK	74	PASS
BT LE	2402	Ant1	2310.0	-53.51	2.0	0	43.75	AV	54	PASS
		Ant1	2390.0	-42.92	2.0	0	54.34	PEAK	74	PASS
		Ant1	2390.0	-53.18	2.0	0	44.07	AV	54	PASS
	2480	Ant1	2483.5	-43.26	2.0	0	54.00	PEAK	74	PASS
		Ant1	2483.5	-52.99	2.0	0	44.27	AV	54	PASS
		Ant1	2500.0	-43.56	2.0	0	53.70	PEAK	74	PASS
		Ant1	2500.0	-52.84	2.0	0	44.42	AV	54	PASS



#### 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

