Appendix A

RF Test Data for BT V4.1(BT LE) (Conducted Measurement)

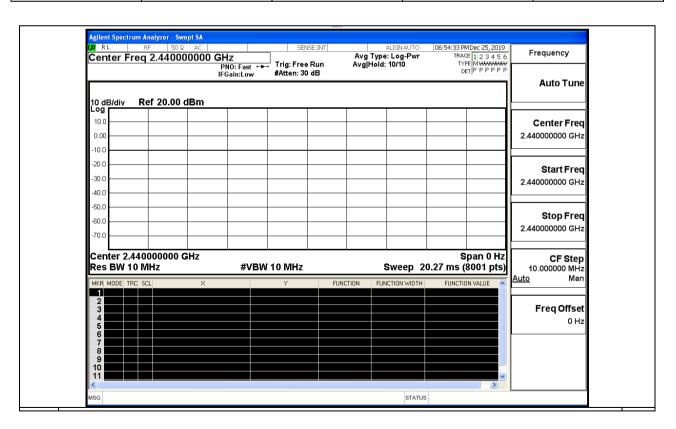
Product Name: LevelMatePRO
Trade Mark: Command Electronics
Test Model: LevelMatePRO

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Wang Chuang

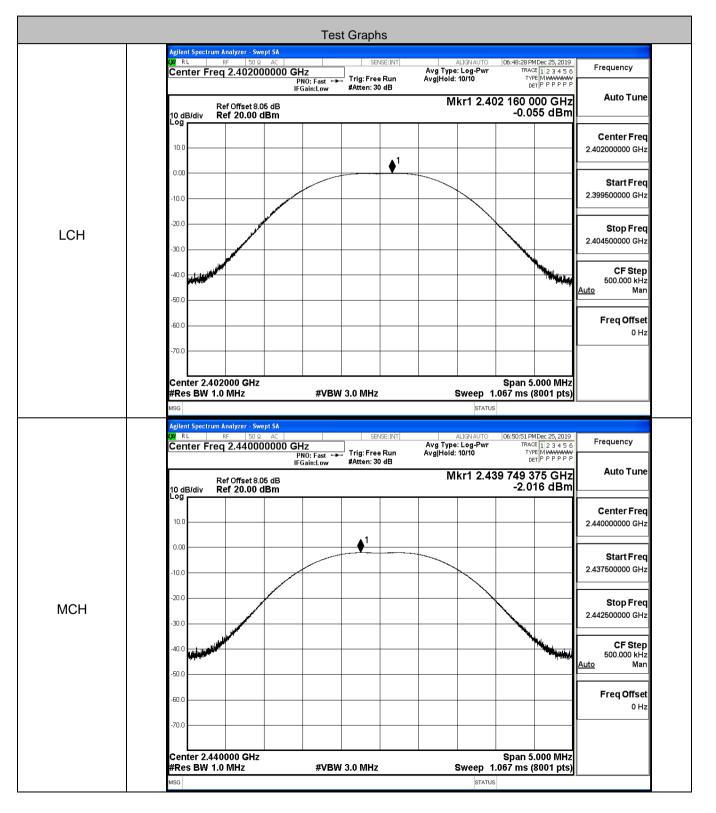
A.1 Duty Cycle

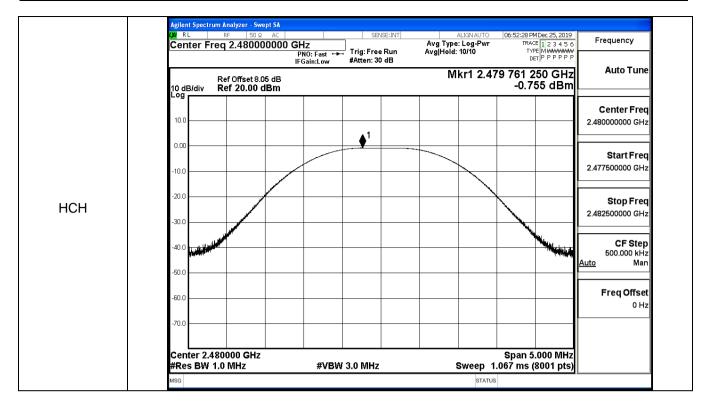
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



A.2 Maximum Conducted Peak Output Power

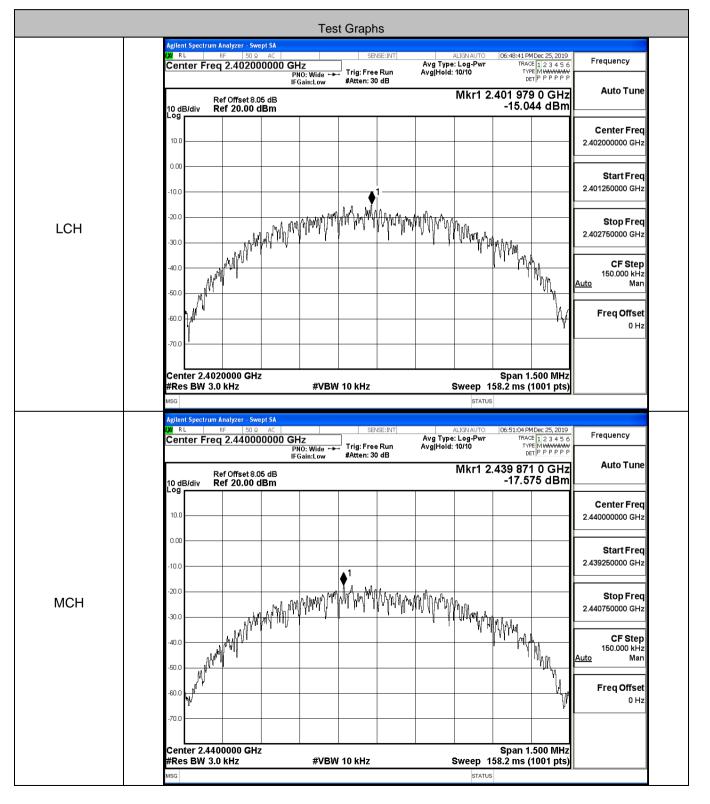
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.055	30	PASS
BT LE	MCH	-2.016	30	PASS
BT LE	HCH	-0.755	30	PASS

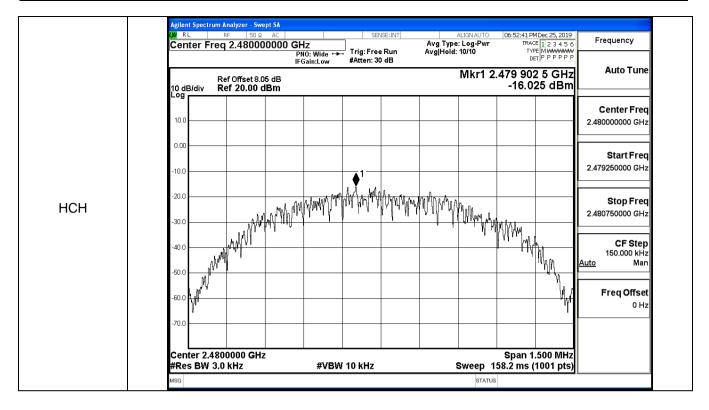




A.3 Maximum Power Spectral Density

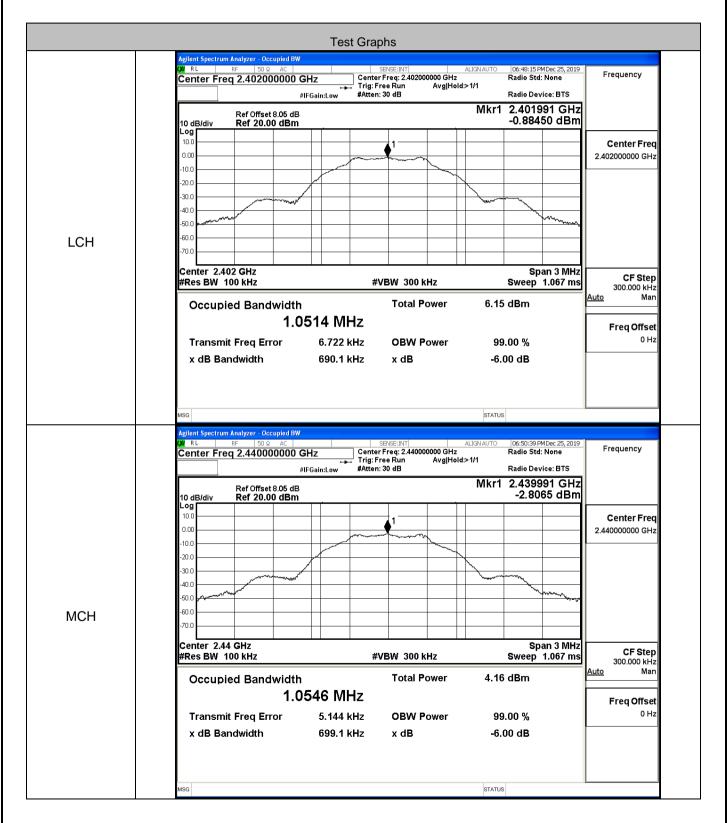
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.044	8	PASS
BT LE	MCH	-17.575	8	PASS
BT LE	НСН	-16.025	8	PASS

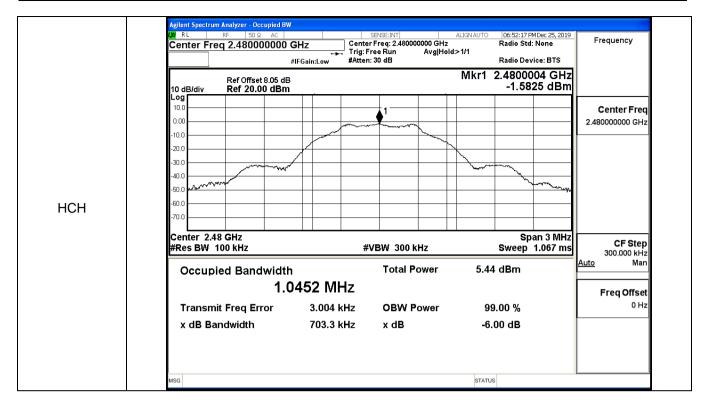




A.4 6dB Bandwidth

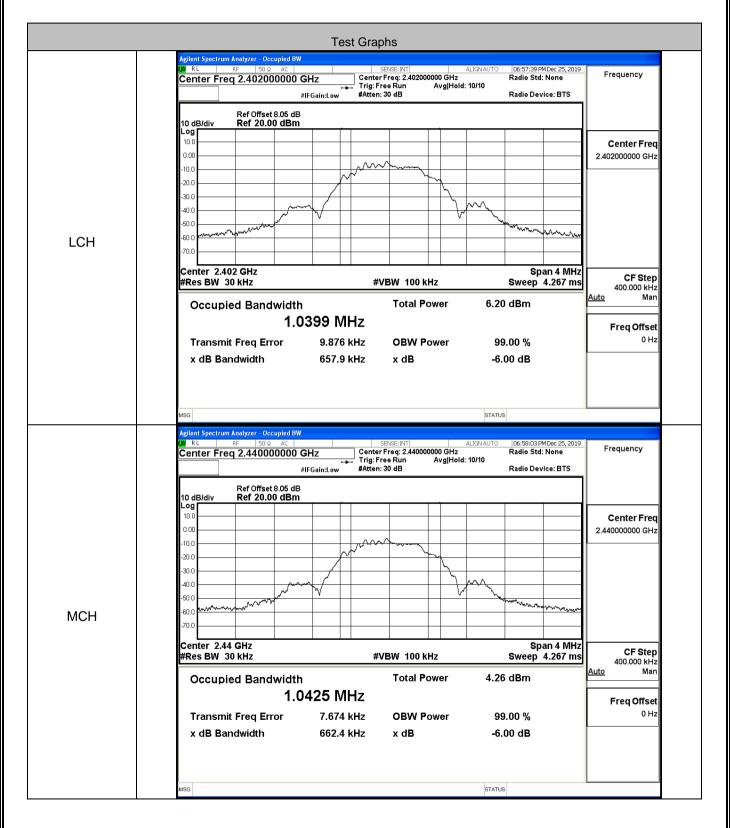
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6901	≥0.5	PASS
BT LE	MCH	0.6991	≥0.5	PASS
BT LE	HCH	0.7033	≥0.5	PASS

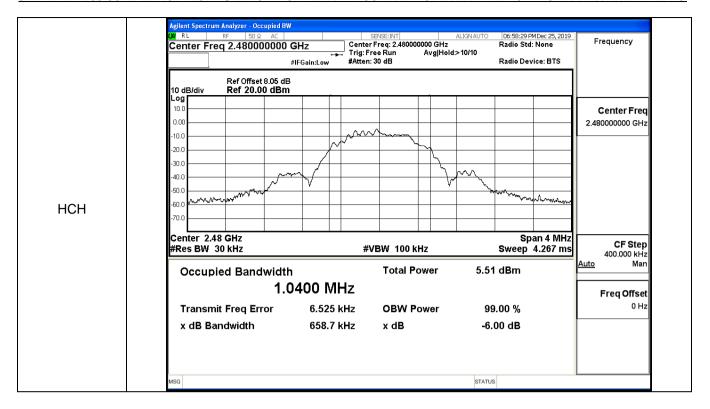




A.5 Occupied Bandwidth

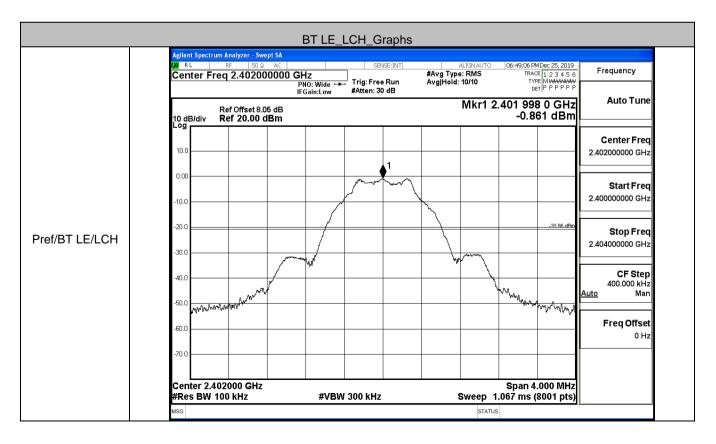
Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.0399	≥0.5	PASS
BT LE	MCH	1.0425	≥0.5	PASS
BT LE	HCH	1.0400	≥0.5	PASS

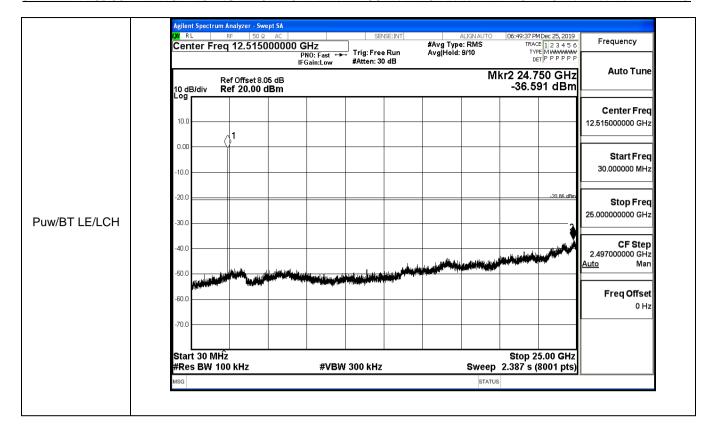


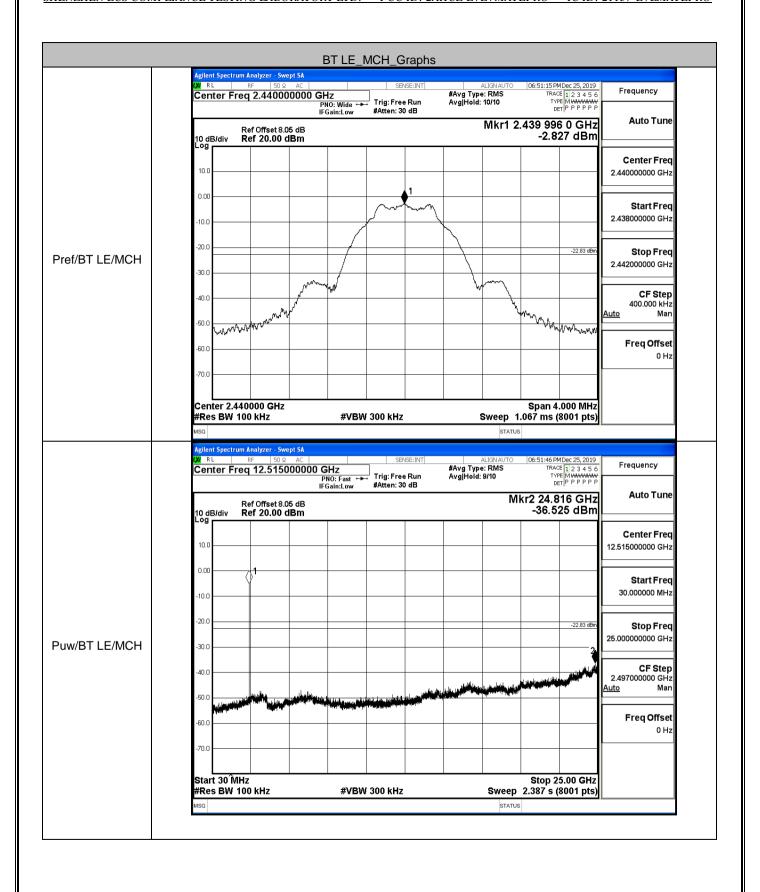


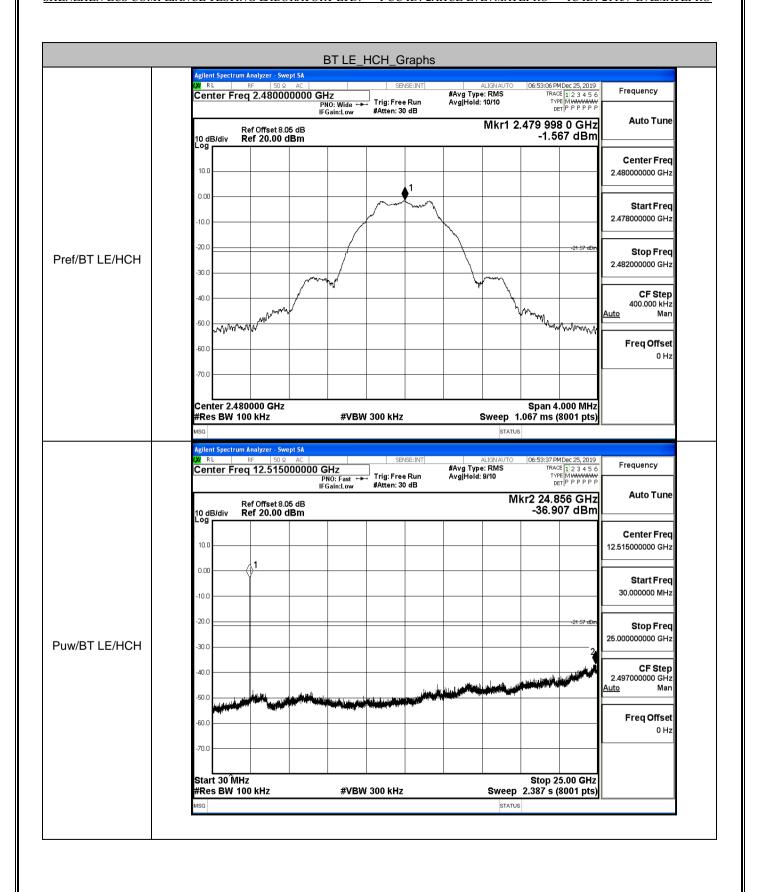
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.861	-36.591	-20.861	PASS
BT LE	MCH	-2.827	-36.525	-22.827	PASS
BT LE	НСН	-1.567	-36.907	-21.567	PASS



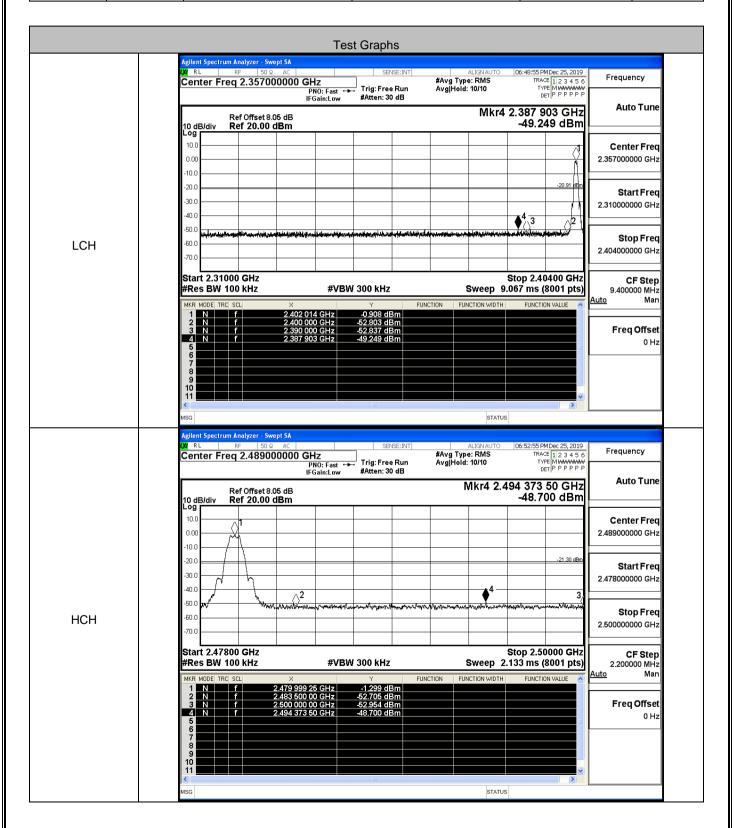






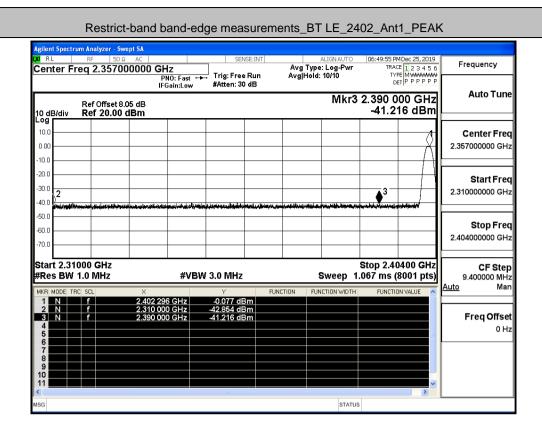
A.7 Band-edge for RF Conducted Emissions

Mode	Channel Carrier Power[dBm] Max.Spurious Level [dBm]		Limit [dBm]	Verdict	
BT LE	LCH	-0.908	-49.249	-20.91	PASS
BT LE	HCH	-1.299	-48.700	-21.3	PASS

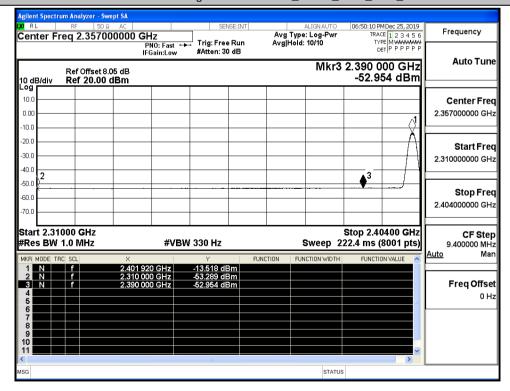


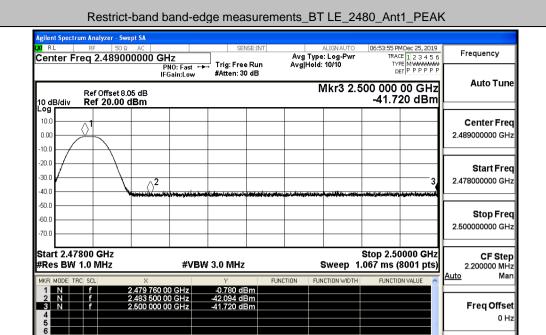
A.8 Restrict-band band-edge measurements

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-42.85	2.0	0	54.40	PEAK	74	PASS
	2402	Ant1	2310.0	-53.29	2.0	0	43.97	AV	54	PASS
		Ant1	2390.0	-41.22	2.0	0	56.04	PEAK	74	PASS
		Ant1	2390.0	-52.95	2.0	0	44.30	AV	54	PASS
BT LE	2480	Ant1	2483.5	-42.09	2.0	0	55.16	PEAK	74	PASS
		Ant1	2483.5	-52.52	2.0	0	44.74	AV	54	PASS
		Ant1	2500.0	-41.72	2.0	0	55.54	PEAK	74	PASS
		Ant1	2500.0	-52.37	2.0	0	44.89	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV





Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

STATUS

