Appendix A

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

Product Name: ELEPHONE mgcool Band5

Trade Mark: N/A

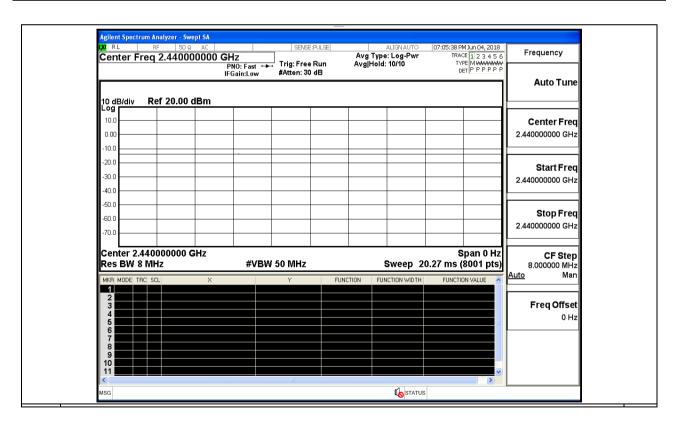
Test Model: Band 5

Environmental Conditions

_ -	
Temperature:	24.7 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Willson Hong
Supervised by:	Jayden.Zhuo

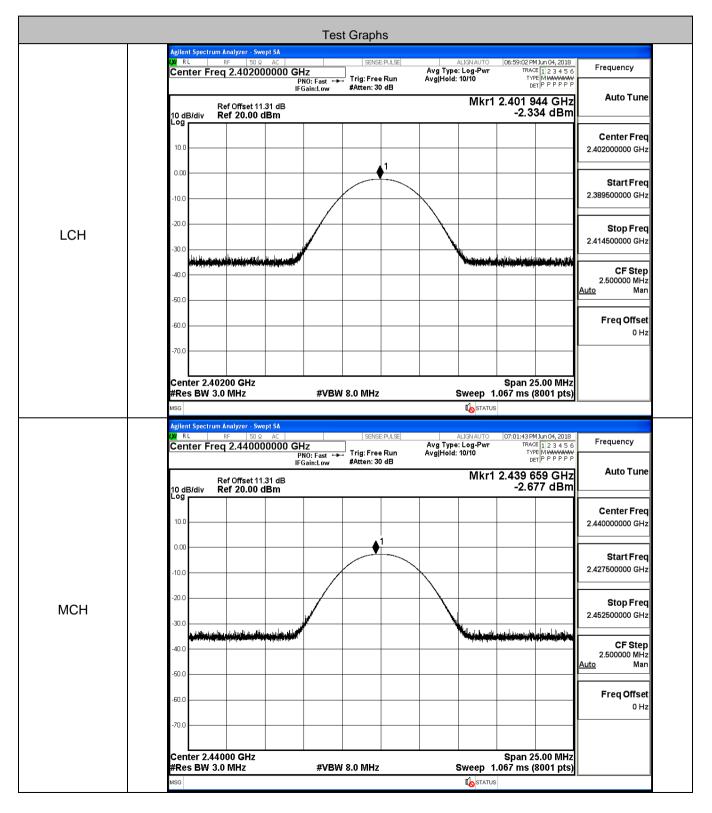
A.1 Duty Cycle

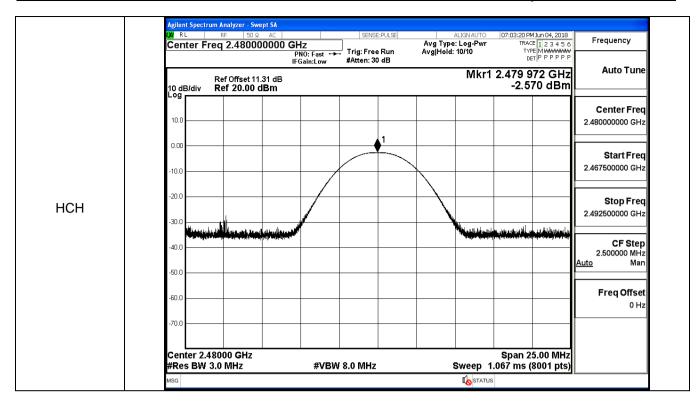
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict	
BT LE	2440	Ant1	100	PASS	



A.2 Maximum Conducted Peak Output Power

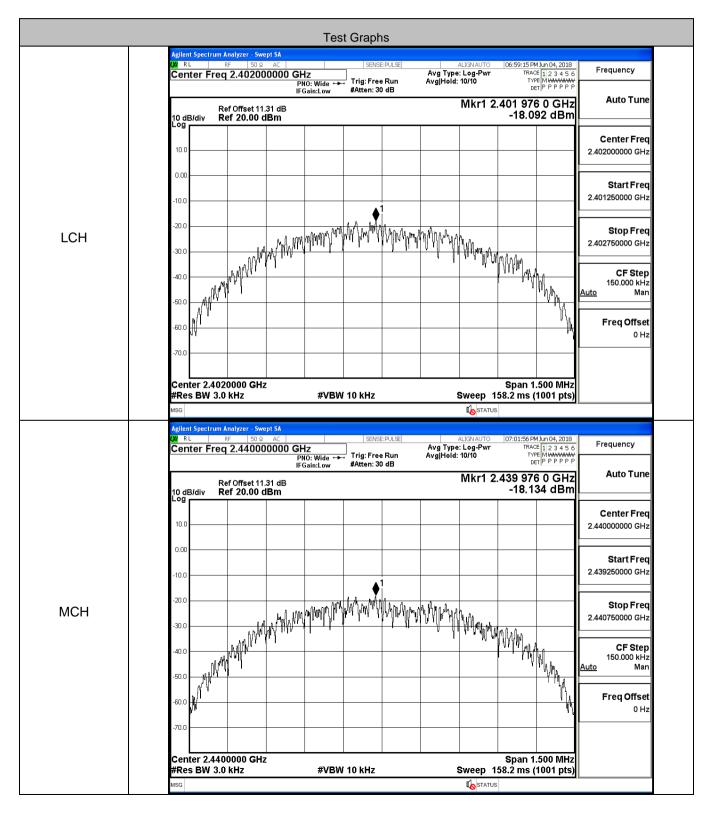
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.334	30	PASS
BT LE	MCH	-2.677	30	PASS
BT LE	HCH	-2.570	30	PASS

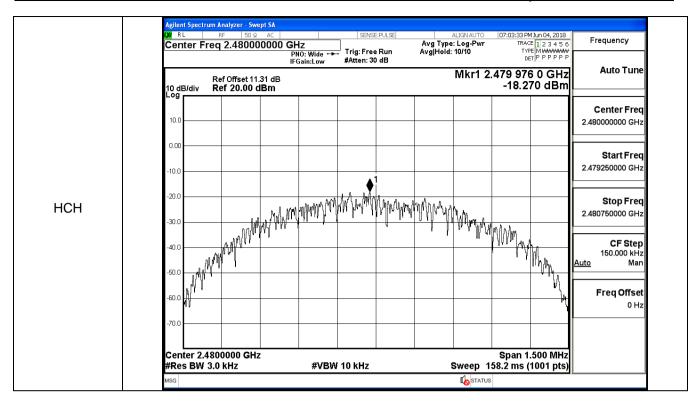




A.3 Maximum Power Spectral Density

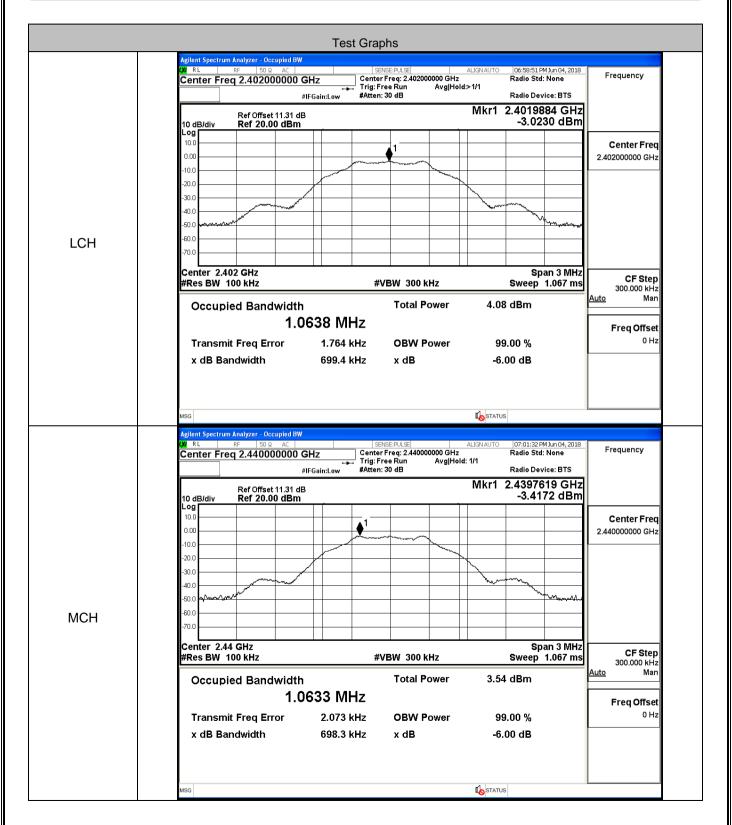
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.092	8	PASS
BT LE	MCH	-18.134	8	PASS
BT LE	НСН	-18.270	8	PASS

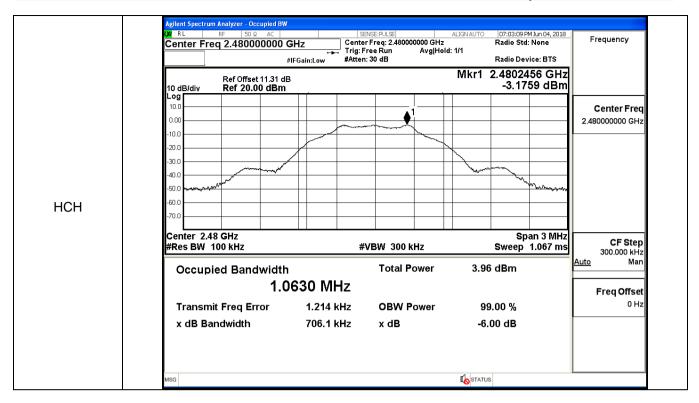




A.4 6dB Bandwidth

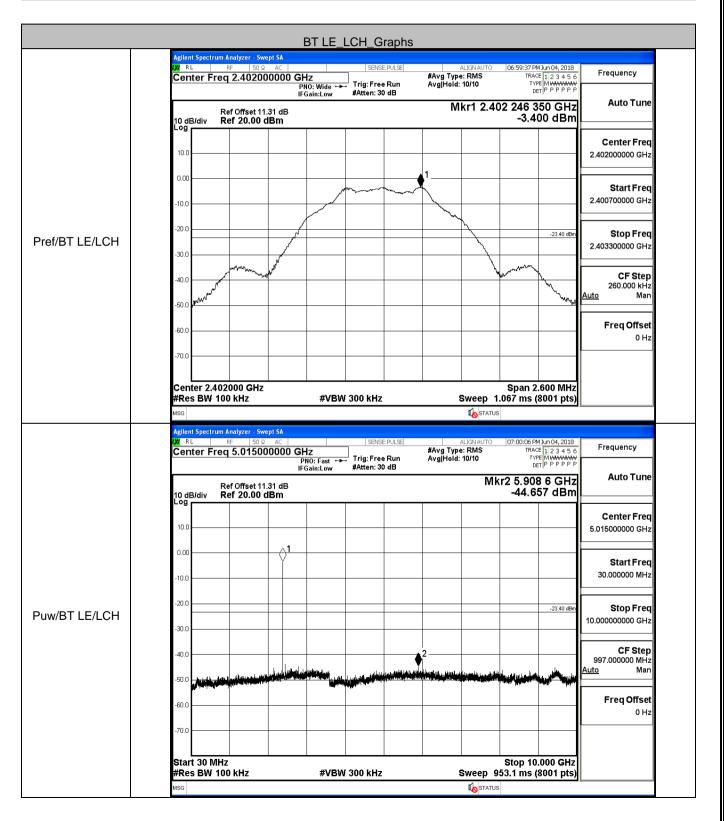
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6994	≥0.5	PASS
BT LE	MCH	0.6983	≥0.5	PASS
BT LE	HCH	0.7061	≥0.5	PASS

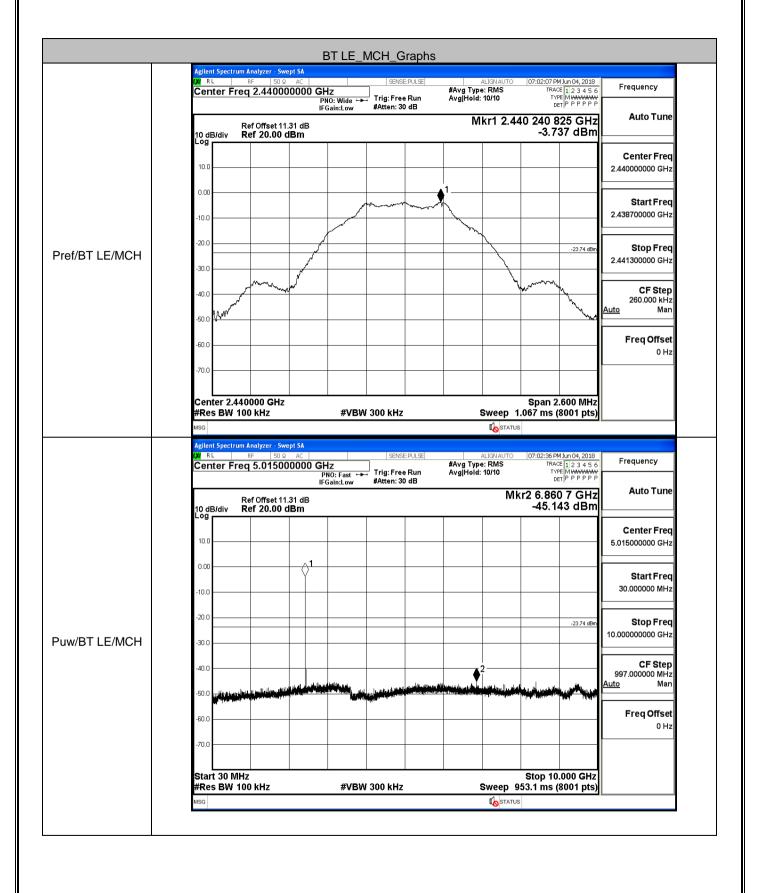


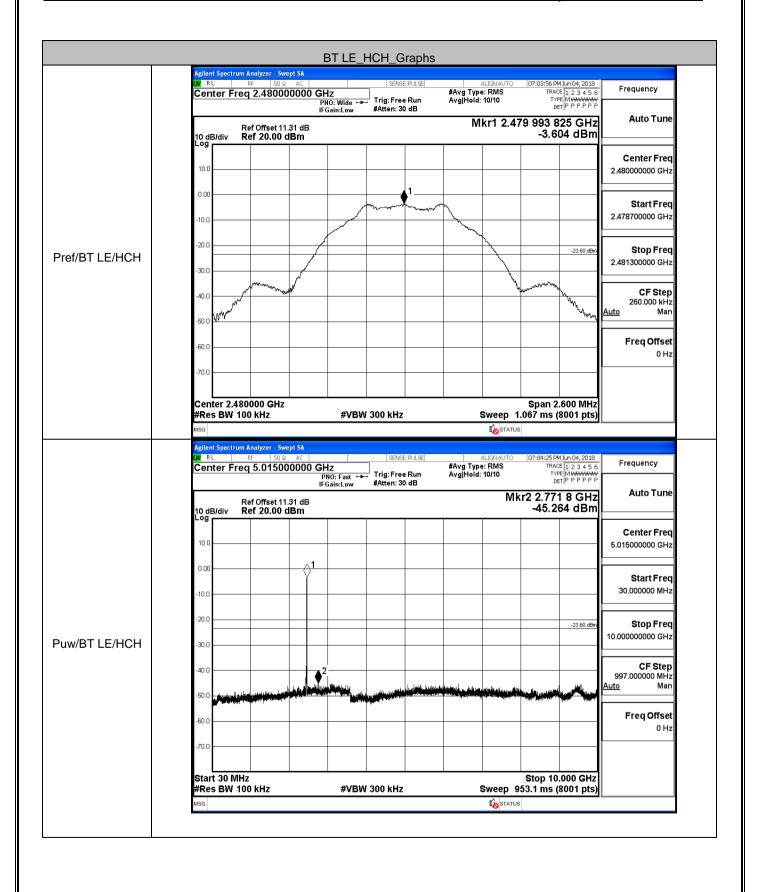


A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.4	-44.657	-23.400	PASS
BT LE	MCH	-3.737	-45.143	-23.737	PASS
BT LE	НСН	-3.604	-45.264	-23.604	PASS

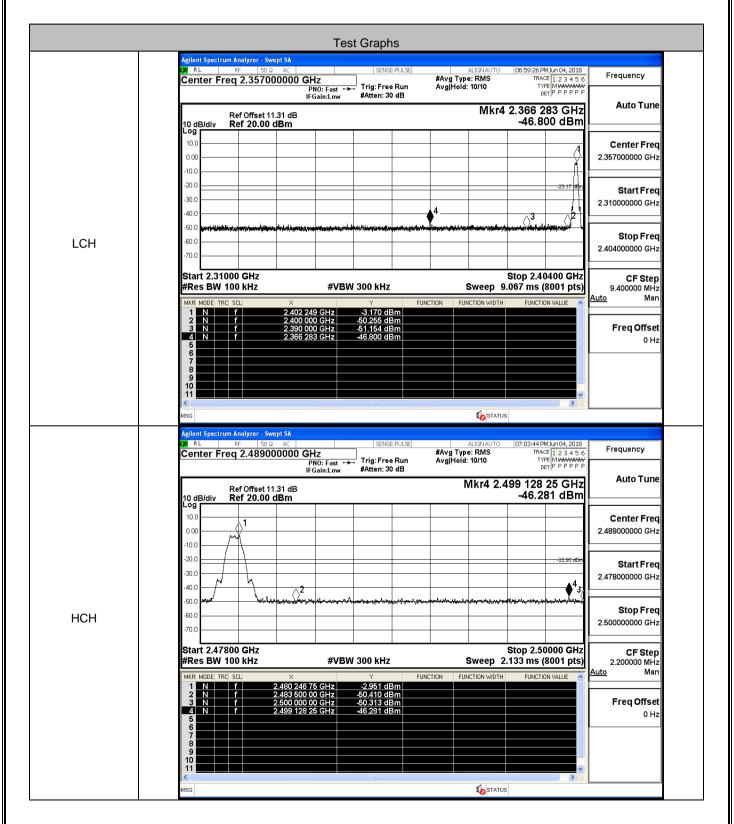






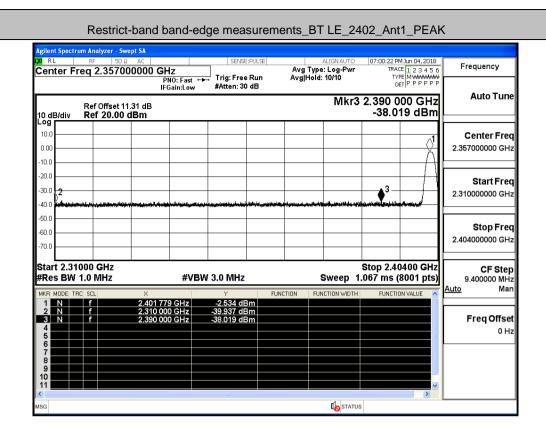
A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.170	-46.800	-23.17	PASS
BT LE	HCH	-2.951	-46.281	-22.95	PASS

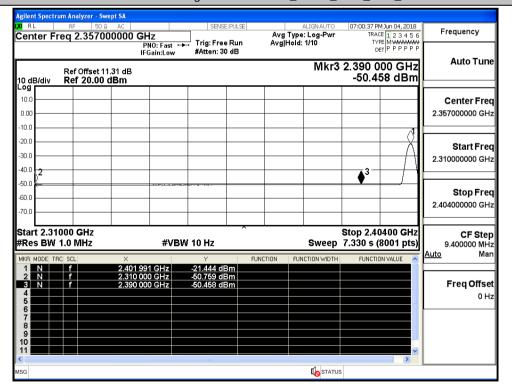


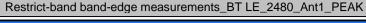
A.7 Restrict-band band-edge measurements

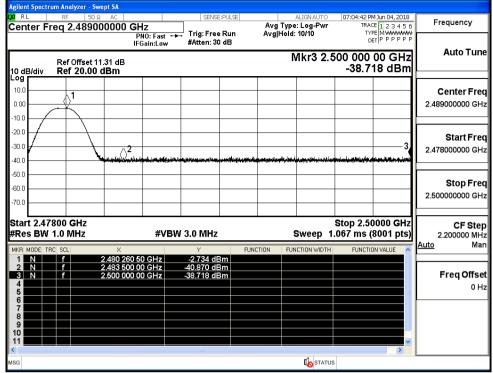
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-39.94	2.0	0	57.32	PEAK	74	PASS
	2402	Ant1	2310.0	-50.76	2.0	0	46.50	AV	54	PASS
BT LE		Ant1	2390.0	-38.02	2.0	0	59.24	PEAK	74	PASS
		Ant1	2390.0	-50.46	2.0	0	46.80	AV	54	PASS
	2480	Ant1	2483.5	-40.87	2.0	0	56.39	PEAK	74	PASS
		Ant1	2483.5	-50.28	2.0	0	46.98	AV	54	PASS
		Ant1	2500.0	-38.72	2.0	0	58.54	PEAK	74	PASS
		Ant1	2500.0	-50.14	2.0	0	47.12	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV







Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

