Appendix B

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

Product Name: 4G Smartphones

Trade Mark: Kenxinda, Ken mobile, KXD, E&L, EL

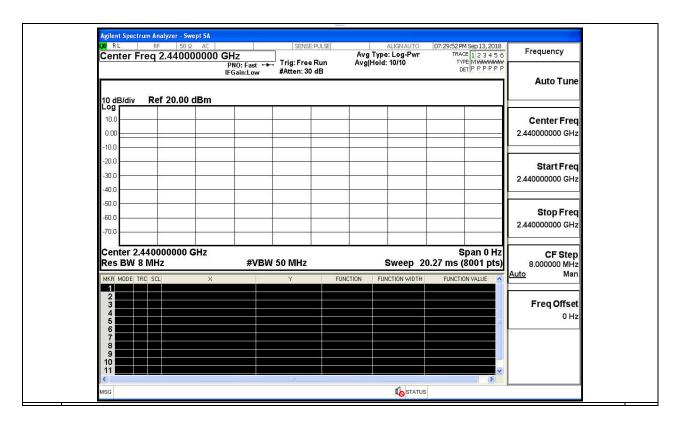
Test Model: Y50

Environmental Conditions

Temperature:	23.6 ° C				
Relative Humidity:	53.8%				
ATM Pressure:	100.0 kPa				
Test Engineer:	Mina.Xu				
Supervised by:	Jayden.Zhuo				

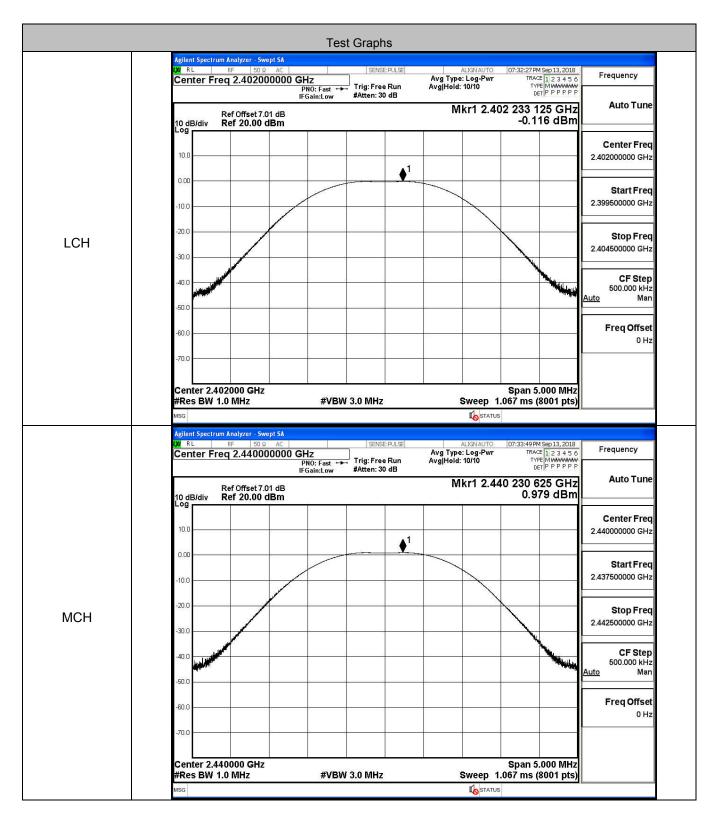
B.1 Duty Cycle

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

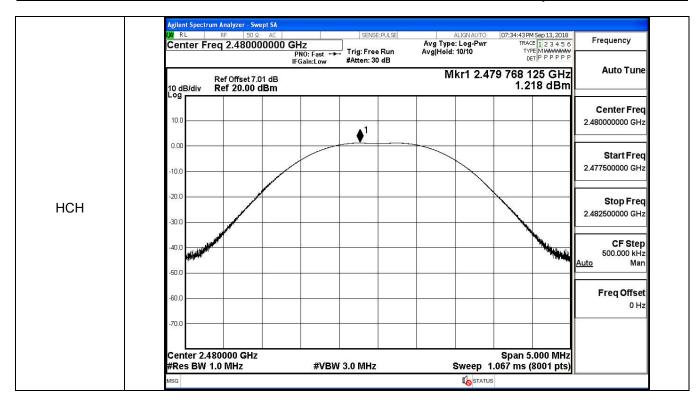


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.116	30	PASS
BT LE	MCH	0.979	30	PASS
BT LE	НСН	1.218	30	PASS

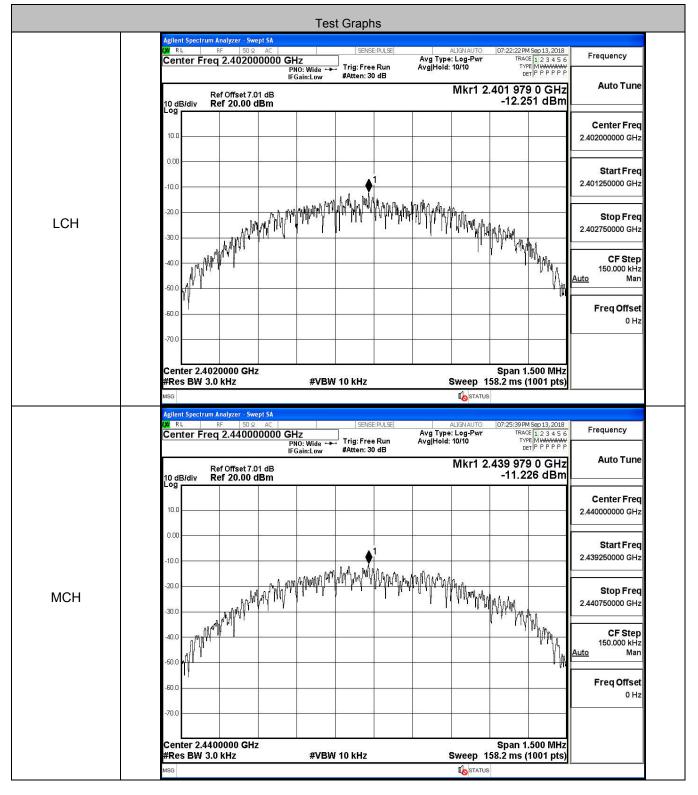


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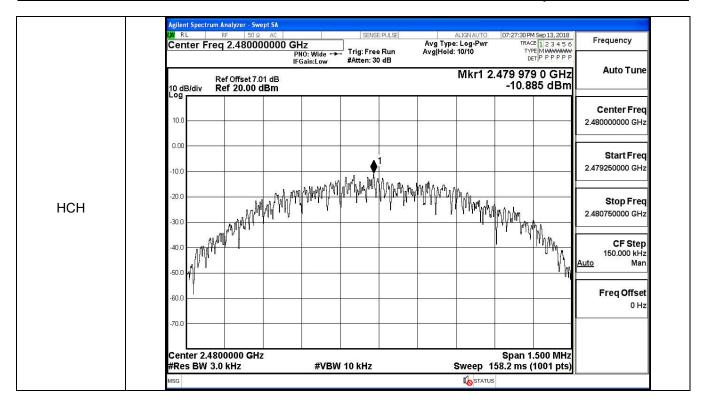


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-12.251	8	PASS
BT LE	MCH	-11.226	8	PASS
BT LE	НСН	-10.885	8	PASS

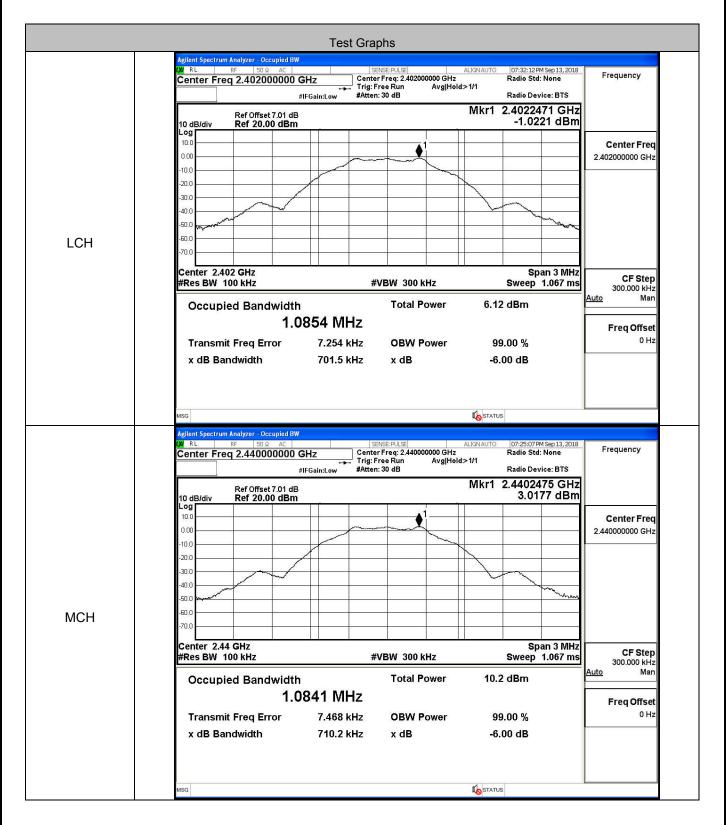


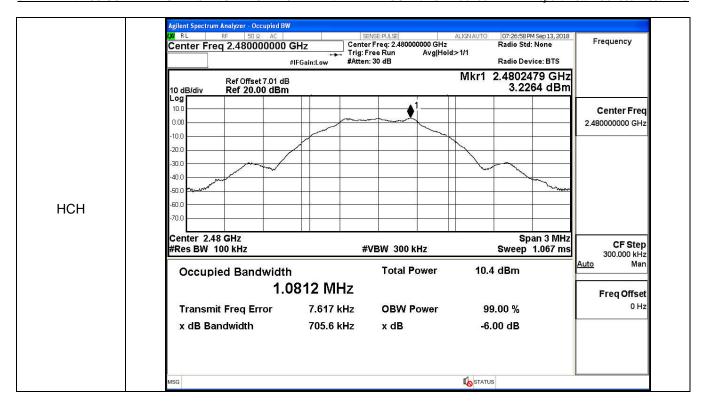
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B.4 6dB Bandwidth

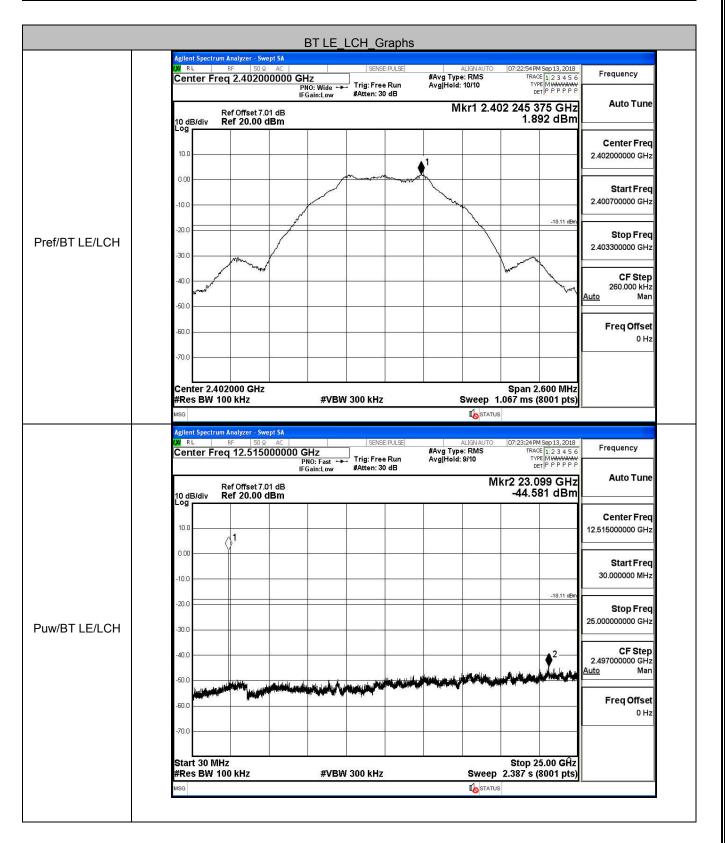
Mode	Channel	6dB Bandwidth [MHz] Limit [MHz]		Verdict
BT LE	LCH	0.7015	≥0.5	PASS
BT LE	MCH	0.7102	≥0.5	PASS
BT LE	HCH	0.7056	≥0.5	PASS

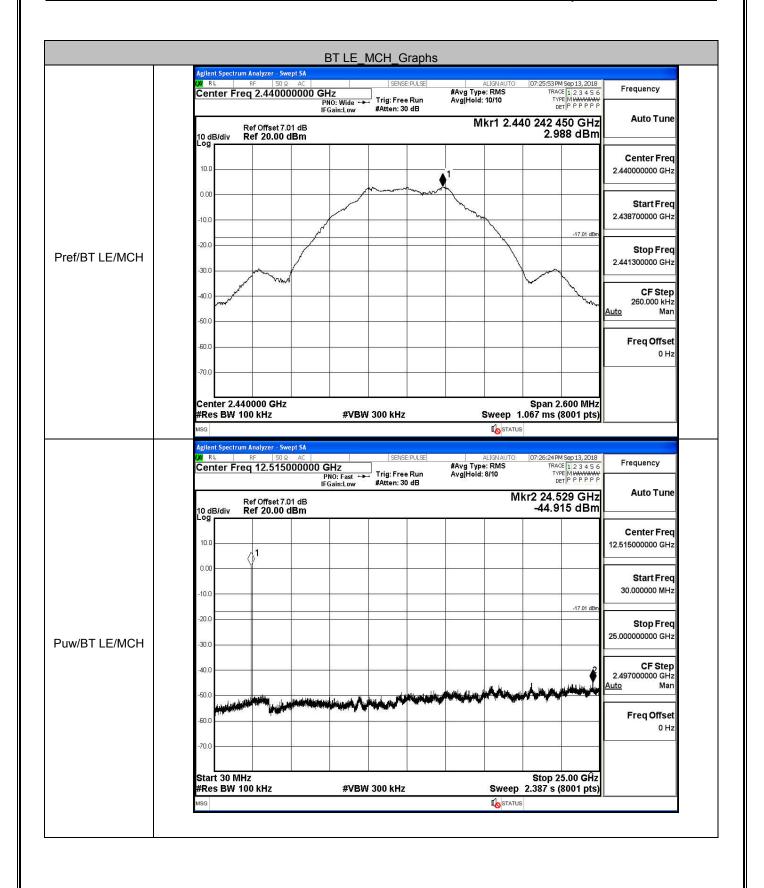


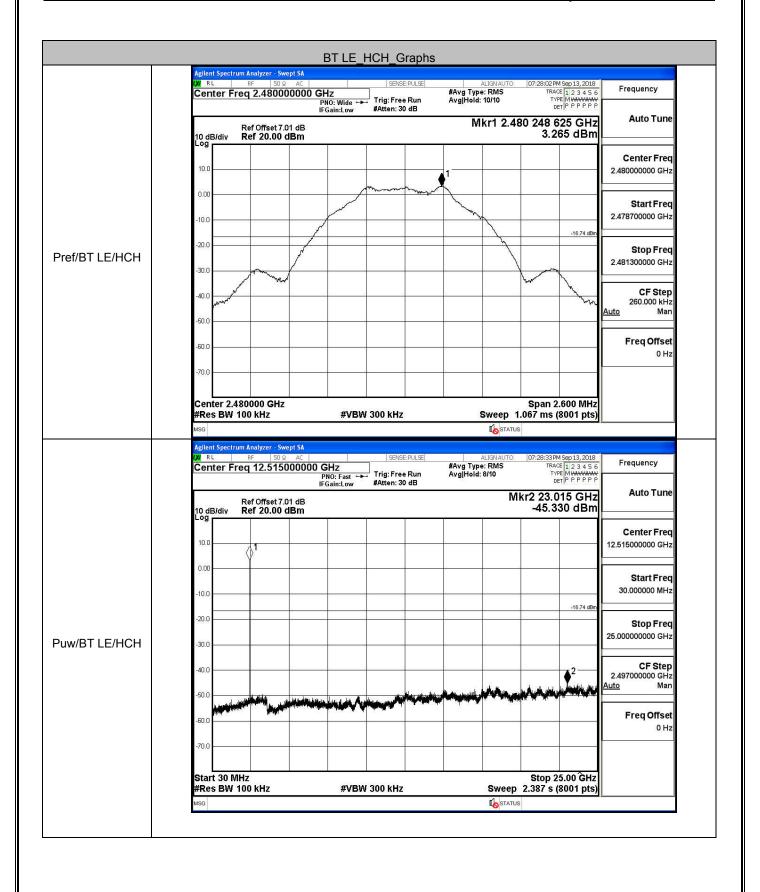


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.892	-44.581	-18.108	PASS
BT LE	MCH	2.988	-44.915	-17.012	PASS
BT LE	НСН	3.265	-45.330	-16.735	PASS

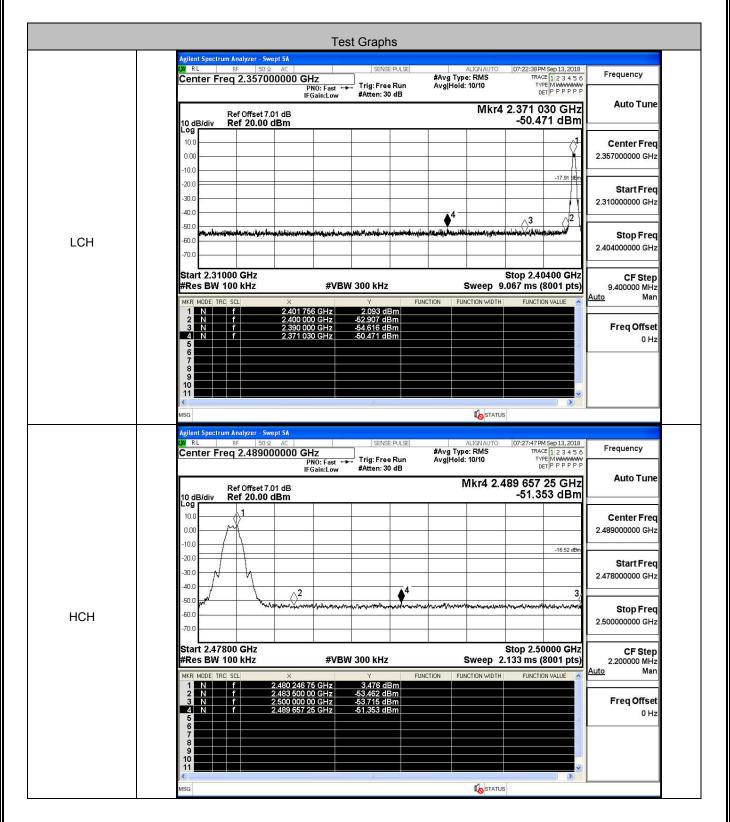






B.6 Band-edge for RF Conducted Emissions

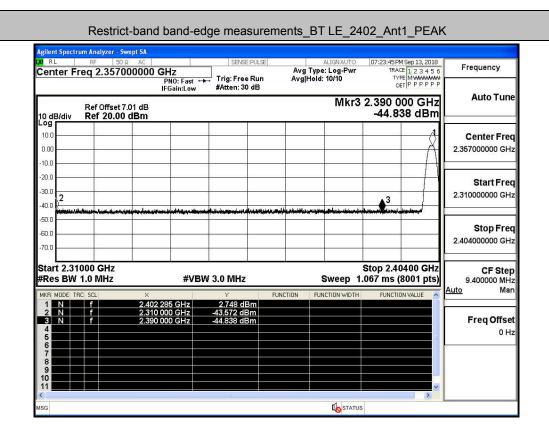
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.093	-50.471	-17.91	PASS
BT LE	HCH	3.476	-51.353	-16.52	PASS



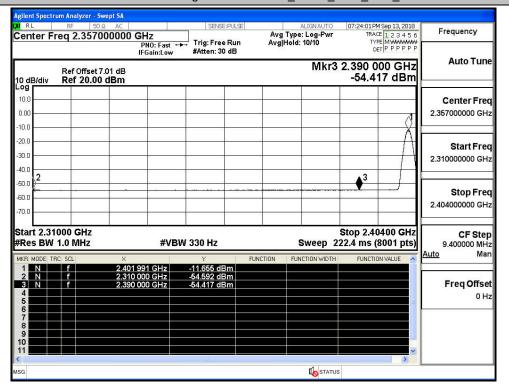
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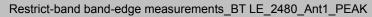
B.7 Restrict-band band-edge measurements

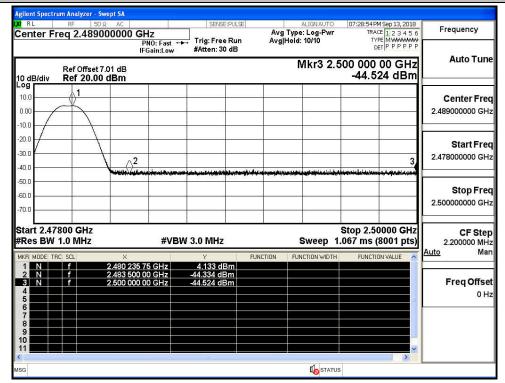
Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-43.57	2.0	0	53.66	PEAK	74	PASS
	2402	Ant1	2310.0	-54.59	2.0	0	42.64	AV	54	PASS
BT LE		Ant1	2390.0	-44.84	2.0	0	52.39	PEAK	74	PASS
		Ant1	2390.0	-54.42	2.0	0	42.81	AV	54	PASS
	2480	Ant1	2483.5	-44.33	2.0	0	52.90	PEAK	74	PASS
		Ant1	2483.5	-53.96	2.0	0	43.27	AV	54	PASS
		Ant1	2500.0	-44.52	2.0	0	52.71	PEAK	74	PASS
		Ant1	2500.0	-54.00	2.0	0	43.23	AV	54	PASS



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV







Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

