Appendix A

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

Product Name: WCD2CS



Trade Mark:

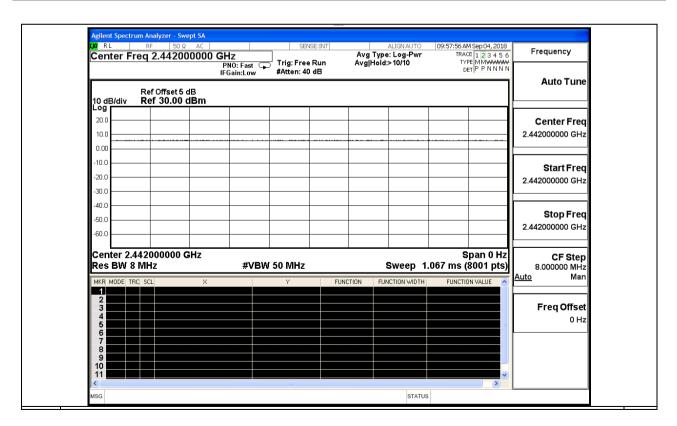
Test Model: WCD2CS

Environmental Conditions

Temperature:	23.3° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	WangChuang
Supervised by:	Jayden.Zhuo

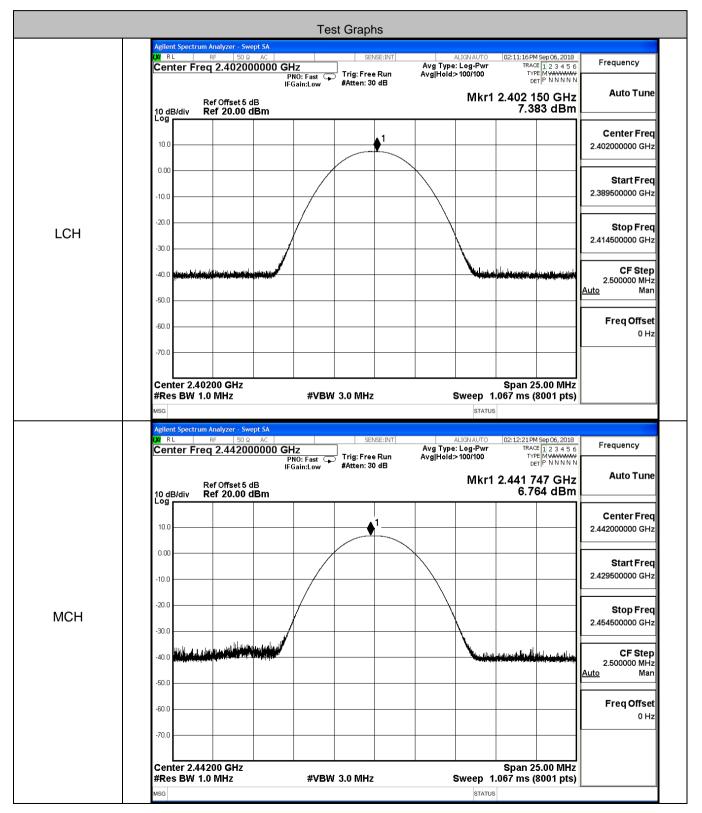
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2442	Ant1	100	PASS

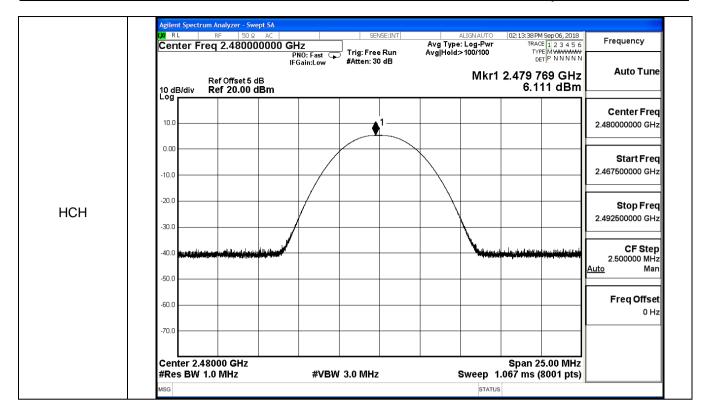


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	7.383	30	PASS
BT LE	MCH	6.764	30	PASS
BT LE	HCH	6.111	30	PASS

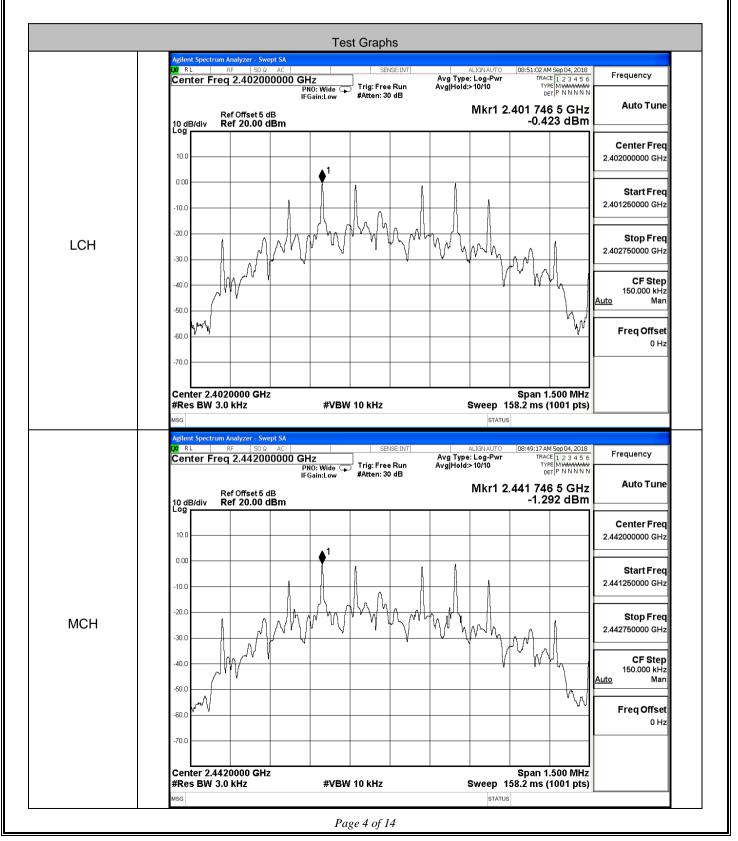


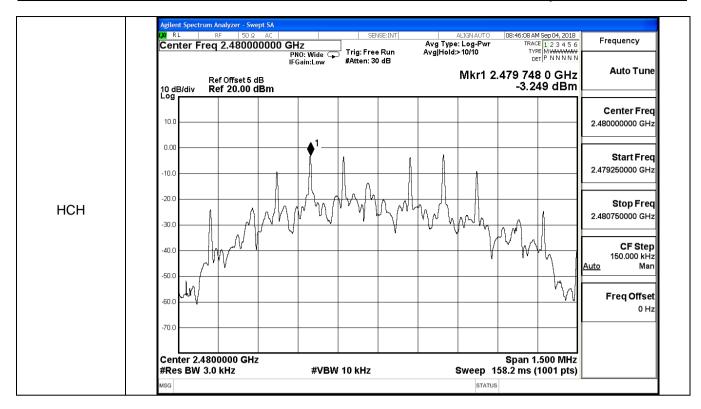
Page 2 of 14



A.3 Maximum Power Spectral Density

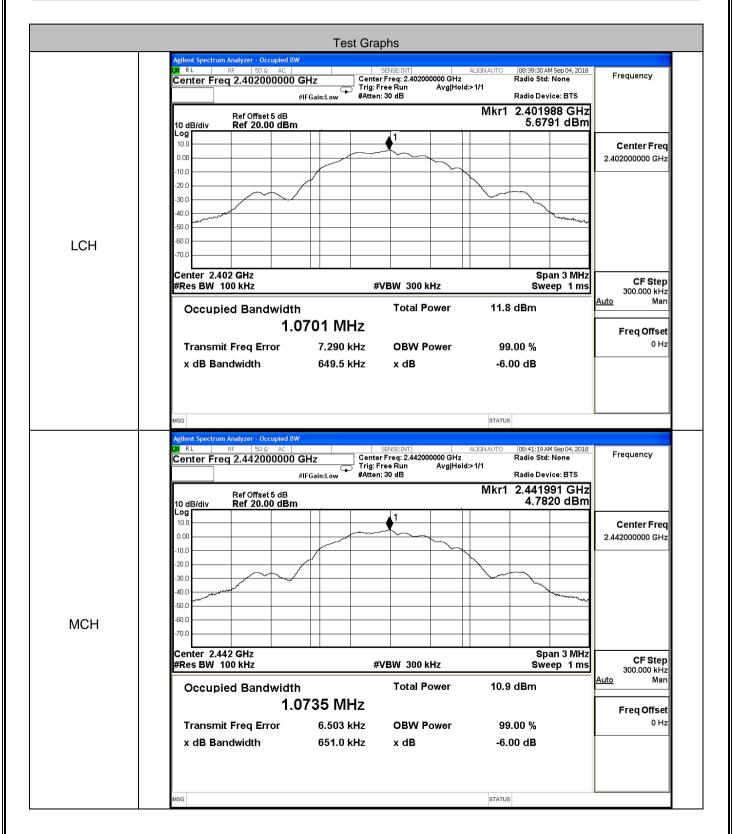
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-0.423	8	PASS
BT LE	MCH	-1.292	8	PASS
BT LE	HCH	-3.249	8	PASS

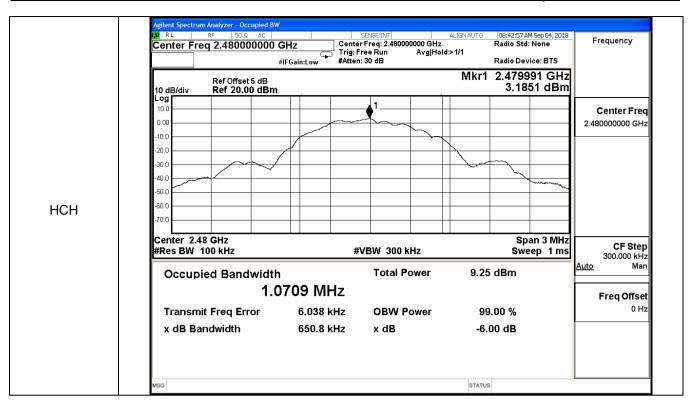




A.4 6dB Bandwidth

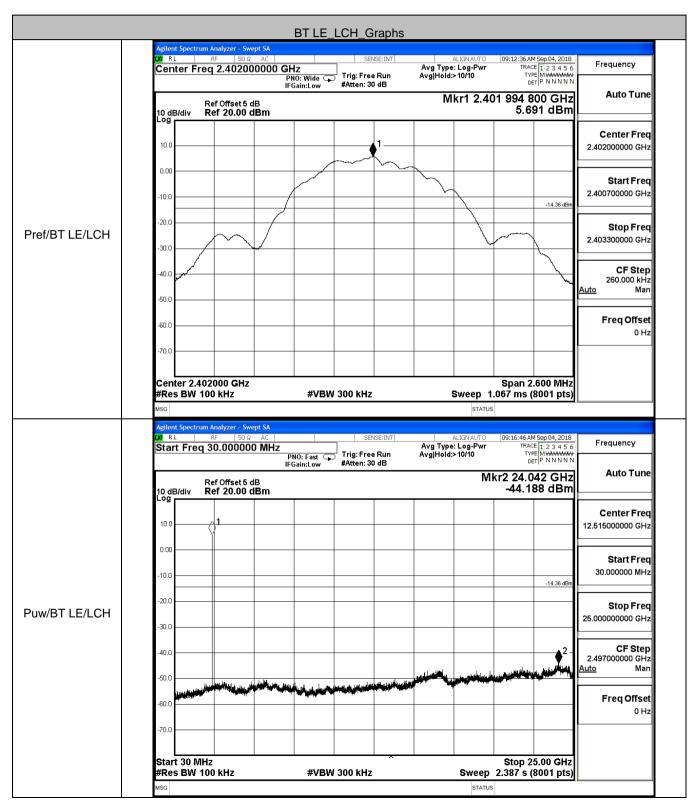
Mode	Channel	el 6dB Bandwidth [MHz] Limit [MHz]		Verdict
BT LE	LCH	0.6495	≥0.5	PASS
BT LE	MCH	0.6510	≥0.5	PASS
BT LE	HCH	0.6508	≥0.5	PASS



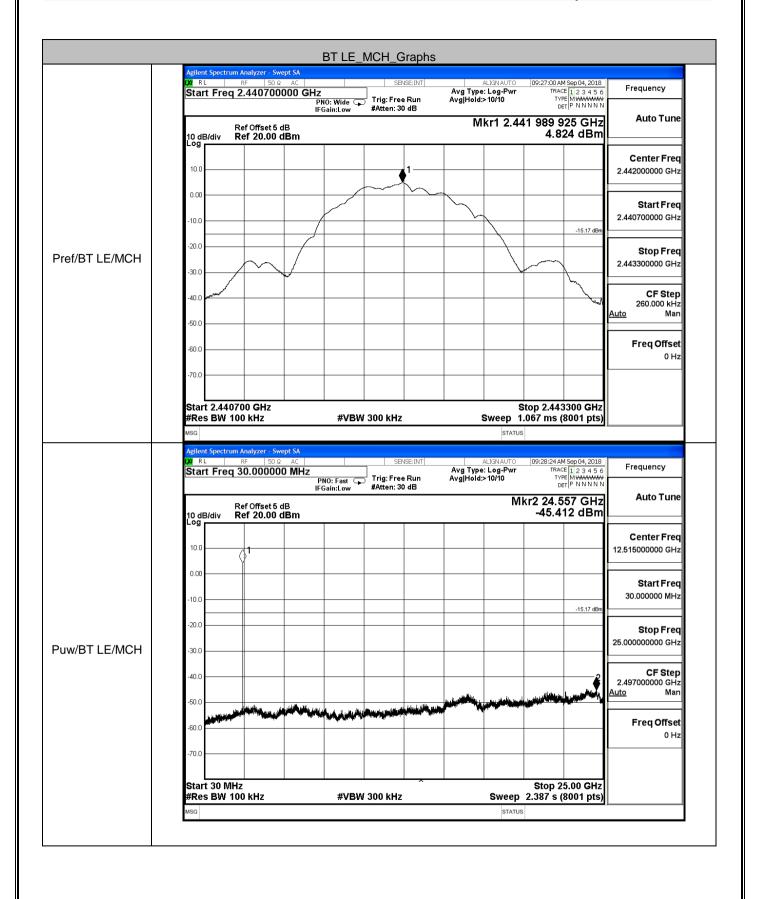


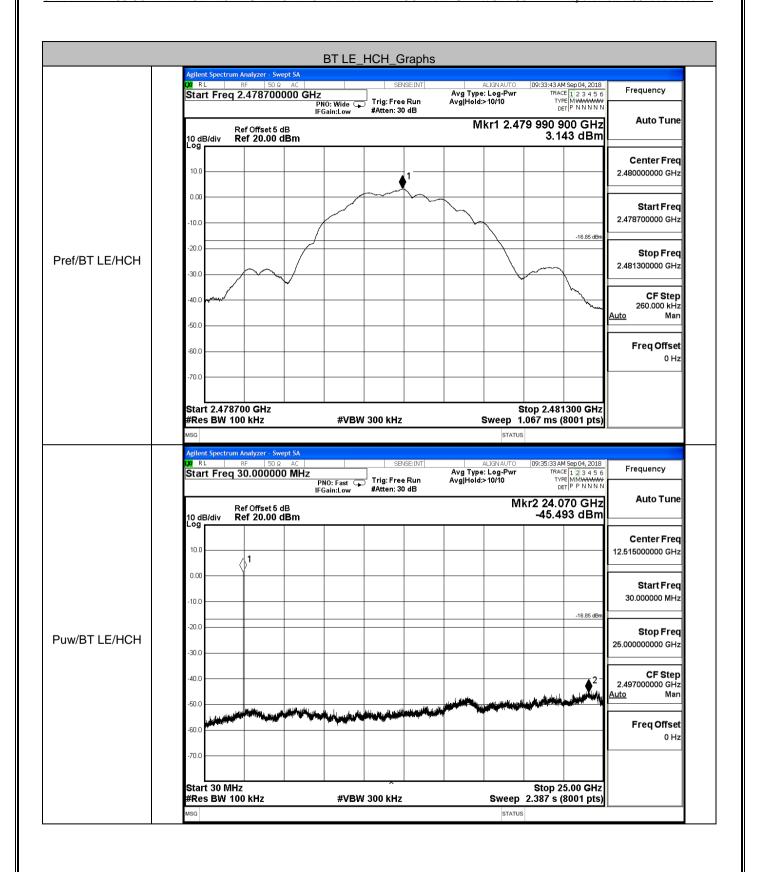
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	5.691	-44.188	-14.36	PASS
BT LE	МСН	4.824	-45.412	-15.17	PASS
BT LE	НСН	3.143	-45.493	-16.85	PASS



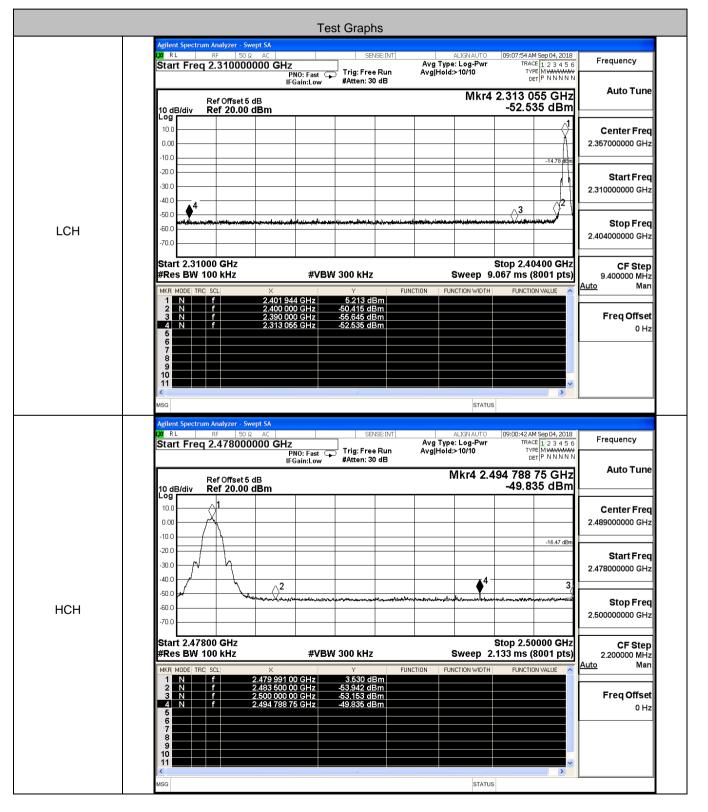
Page 8 of 14





A.6 Band-edge for RF Conducted Emissions

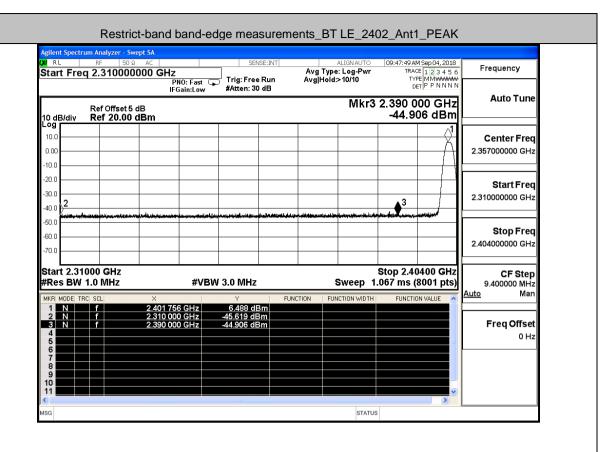
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	5.213	-52.535	-14.78	PASS
BT LE	HCH	3.530	-49.835	-16.47	PASS

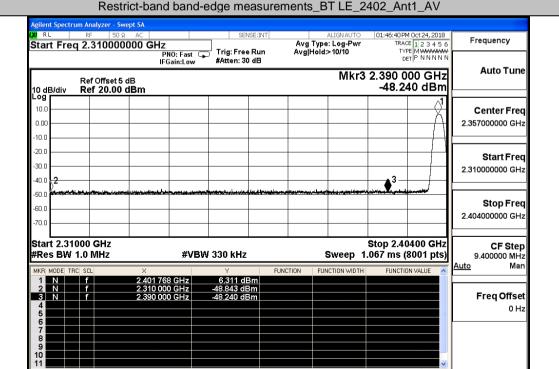


Page 11 of 14

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	-45.619	2	0	51.64	PEAK	74	PASS
	2402	Ant1	2310.0	-48.843	2	0	48.42	AV	54	PASS
		Ant1	2390.0	-44.906	2	0	52.35	PEAK	74	PASS
		Ant1	2390.0	-48.240	2	0	49.02	AV	54	PASS
BT LE		Ant1	2483.5	-46.354	2	0	50.91	PEAK	74	PASS
	2480	Ant1	2483.5	-47.182	2	0	50.08	AV	54	PASS
		Ant1	2500.0	-46.291	2	0	50.97	PEAK	74	PASS
		Ant1	2500.0	-47.171	2	0	50.09	AV	54	PASS





Page 13 of 14

