Appendix B

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

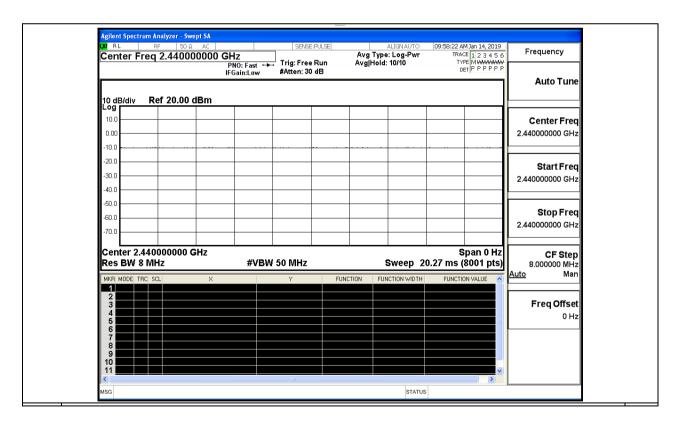
Product Name: POS Terminal Trade Mark: SmartPeak Test Model: P500

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom Liu
Supervised by:	Jayden Zhuo

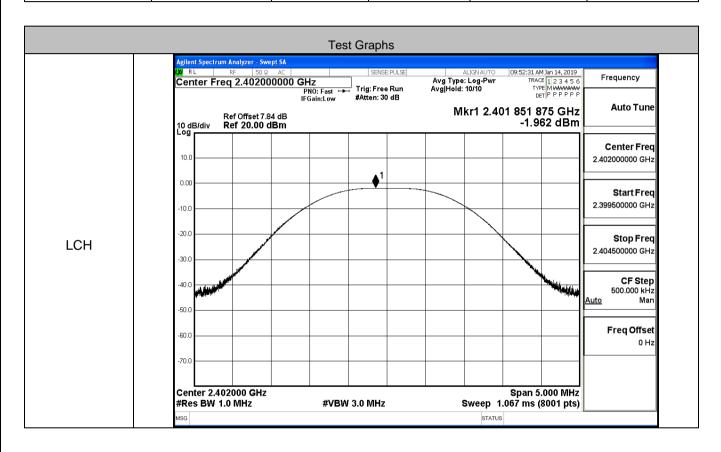
B.1 Duty Cycle

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



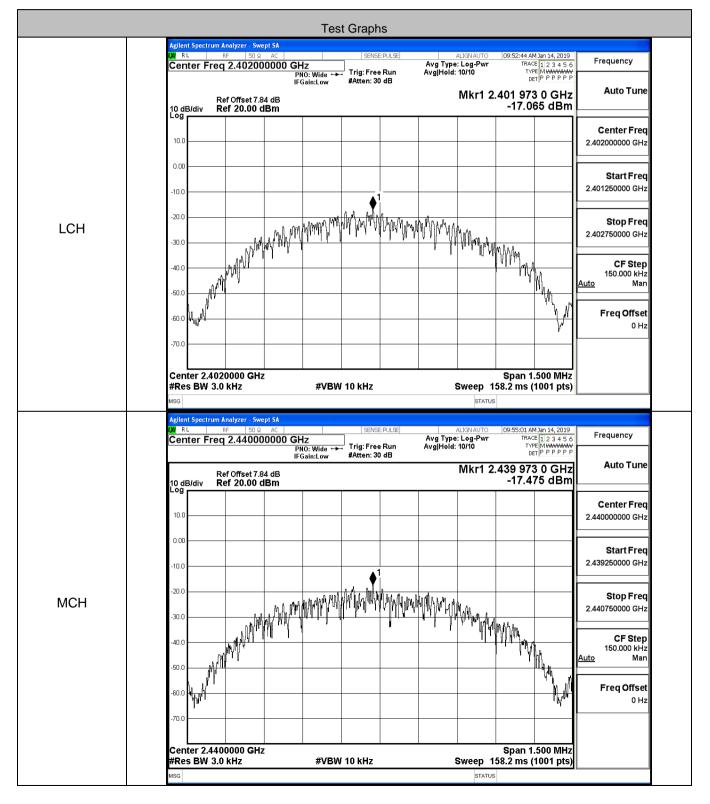
B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Conduct Average Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.962	-2.141	30	PASS
BT LE	MCH	-2.469	-2.658	30	PASS
BT LE	НСН	-2.338	-2.495	30	PASS

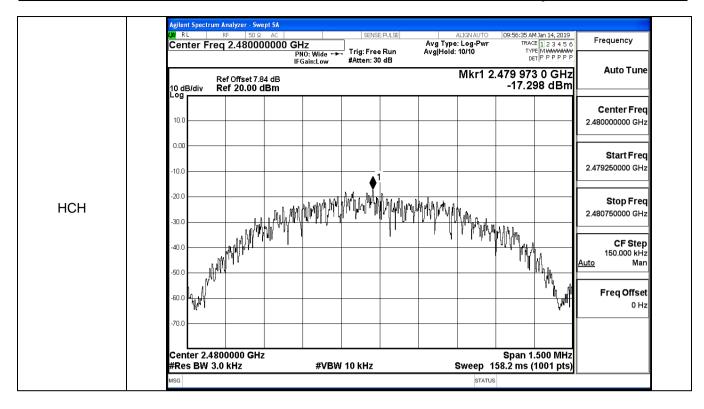


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.065	8	PASS
BT LE	MCH	-17.475	8	PASS
BT LE	HCH	-17.298	8	PASS

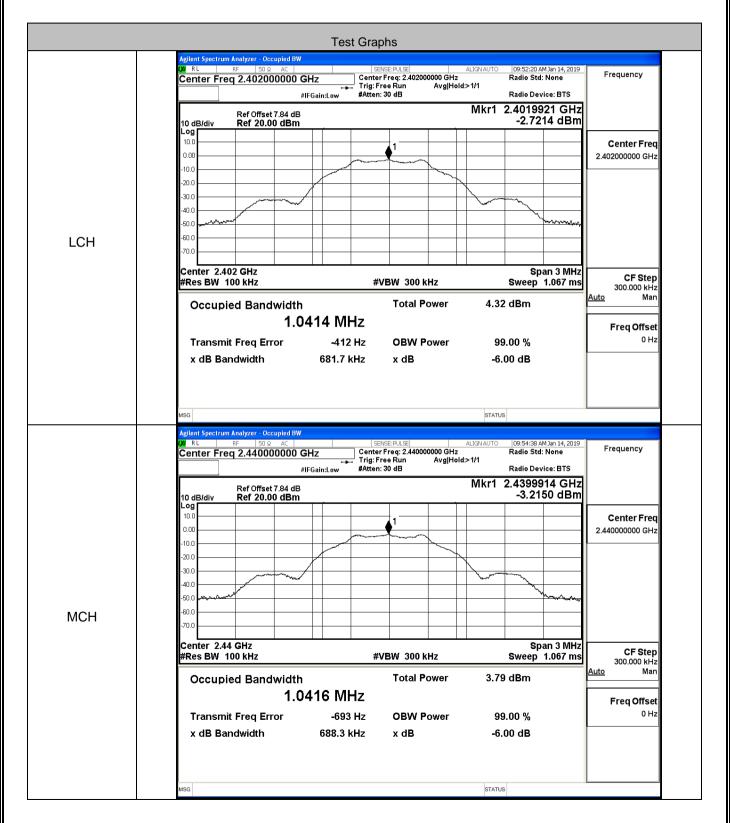


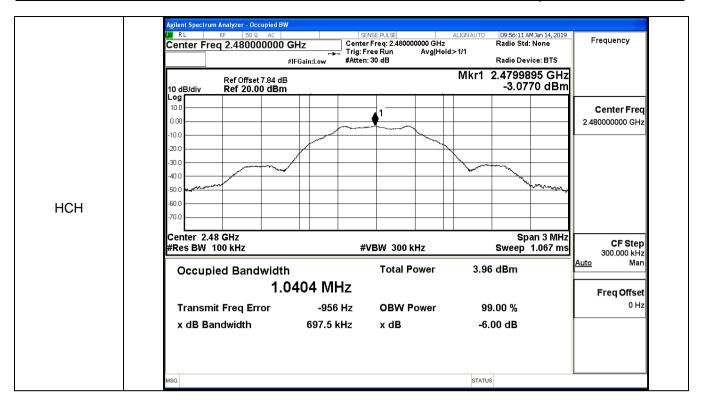
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B.4 6dB Bandwidth

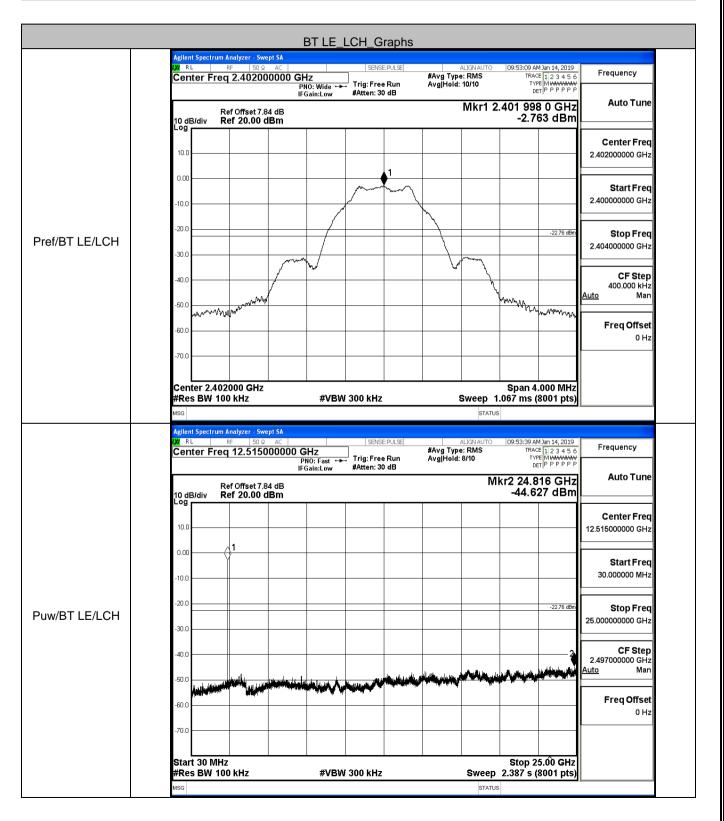
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6817	≥0.5	PASS
BT LE	MCH	0.6883	≥0.5	PASS
BT LE	HCH	0.6975	≥0.5	PASS

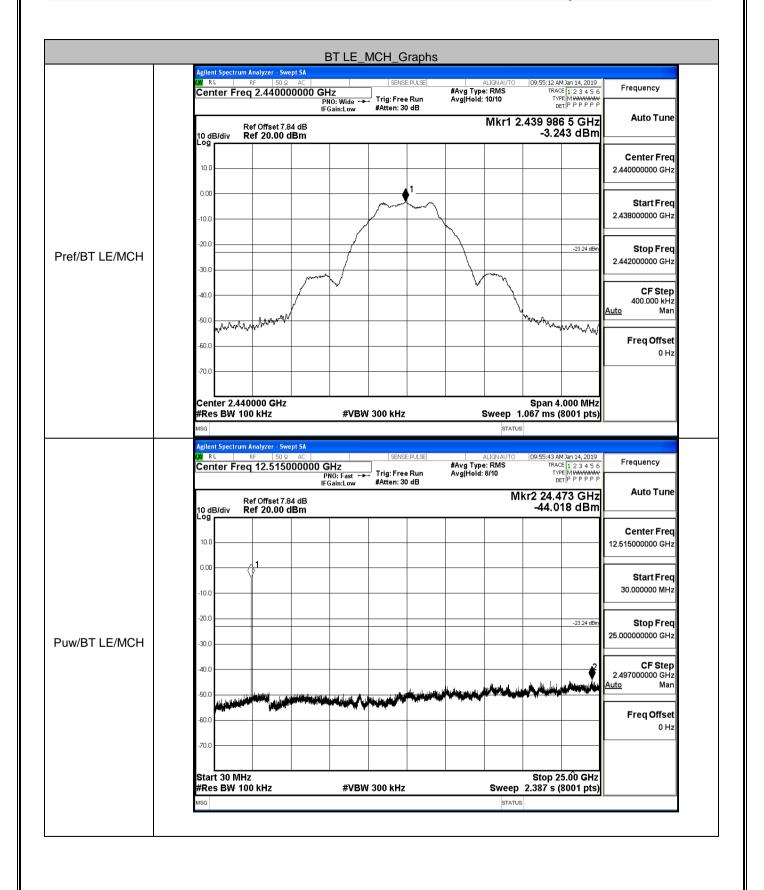


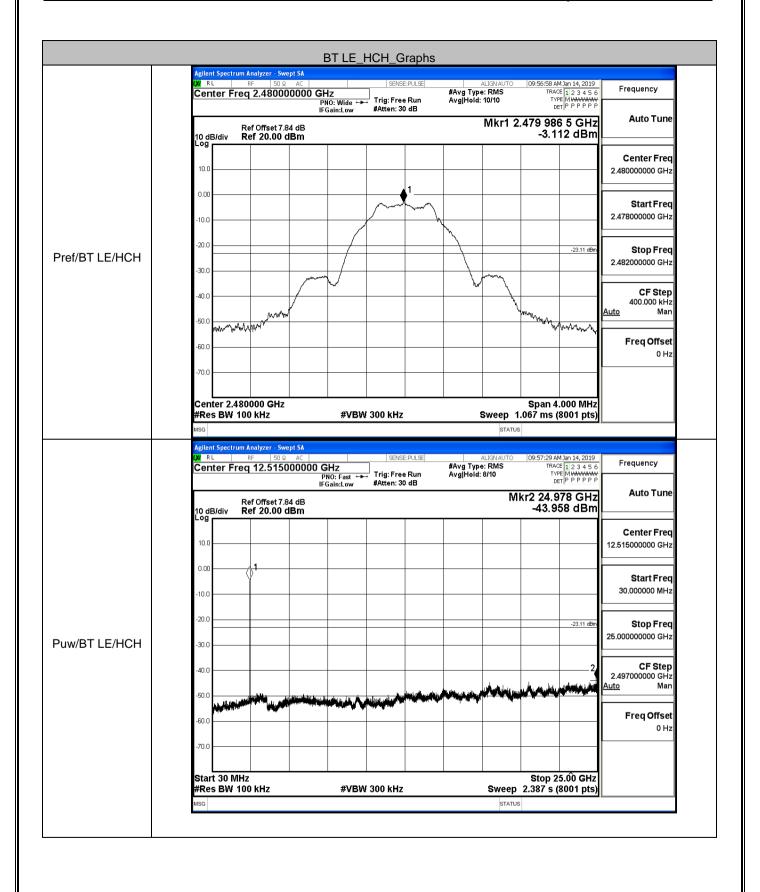


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.763	-44.627	-22.763	PASS
BT LE	MCH	-3.243	-44.018	-23.243	PASS
BT LE	НСН	-3.112	-43.958	-23.112	PASS

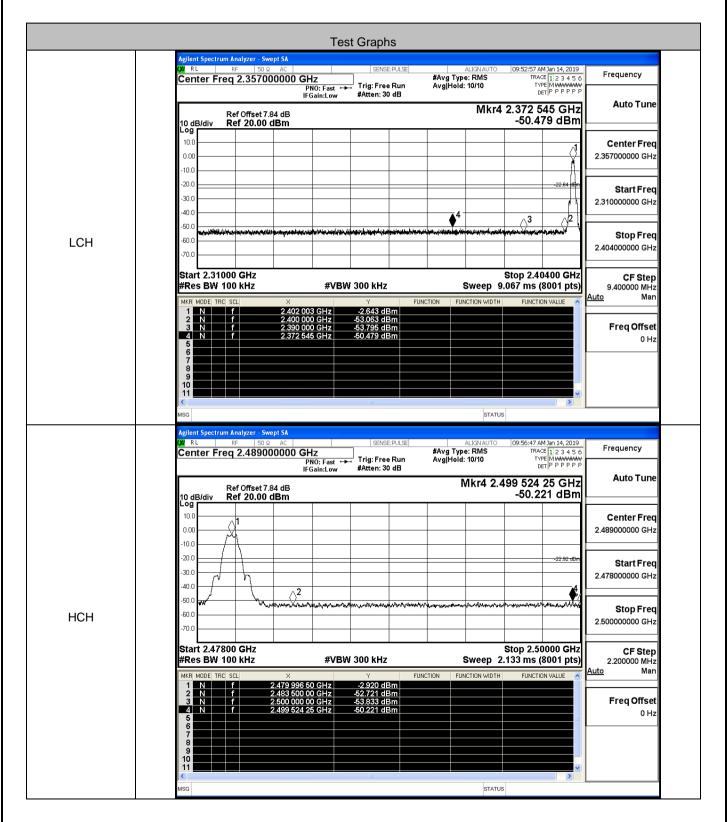






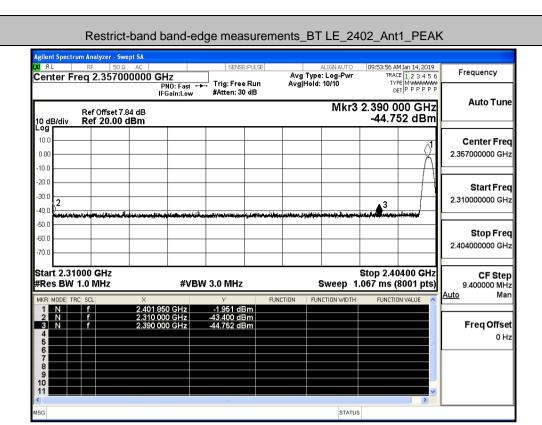
B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.643	-50.479	-22.64	PASS
BT LE	HCH	-2.920	-50.221	-22.92	PASS

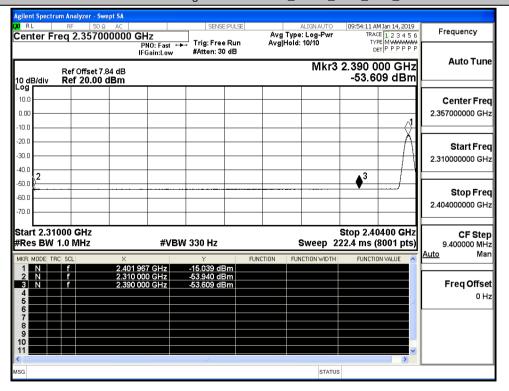


B.7 Restrict-band band-edge measurements

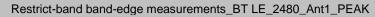
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdict
		Ant1	2310.0	-43.40	2.0	0	53.86	PEAK	74	PASS
	2402	Ant1	2310.0	-53.94	2.0	0	43.32	AV	54	PASS
		Ant1	2390.0	-44.75	2.0	0	52.51	PEAK	74	PASS
		Ant1	2390.0	-53.61	2.0	0	43.65	AV	54	PASS
BT LE		Ant1	2483.5	-43.08	2.0	0	54.17	PEAK	74	PASS
		Ant1	2483.5	-53.48	2.0	0	43.78	AV	54	PASS
	2480	Ant1	2500.0	-43.51	2.0	0	53.74	PEAK	74	PASS
		Ant1	2500.0	-53.26	2.0	0	44.00	AV	54	PASS

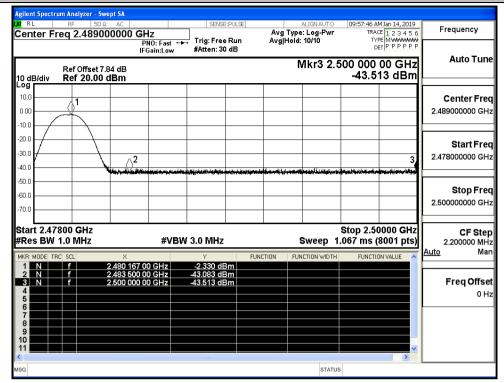


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



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Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

