Appendix B

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

Product Name: DP50-2

DSTAR® Trade Mark:

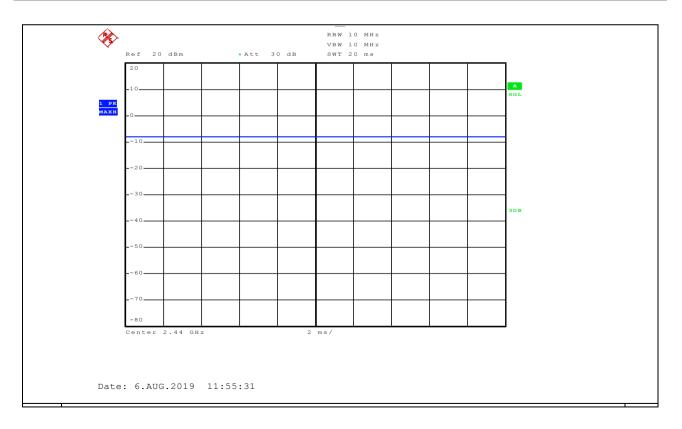
Test Model: X300 PRO4

Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.2 %
ATM Pressure:	100.0 kPa
Test Engineer:	SCENT HU
Supervised by:	Wang.Chuang

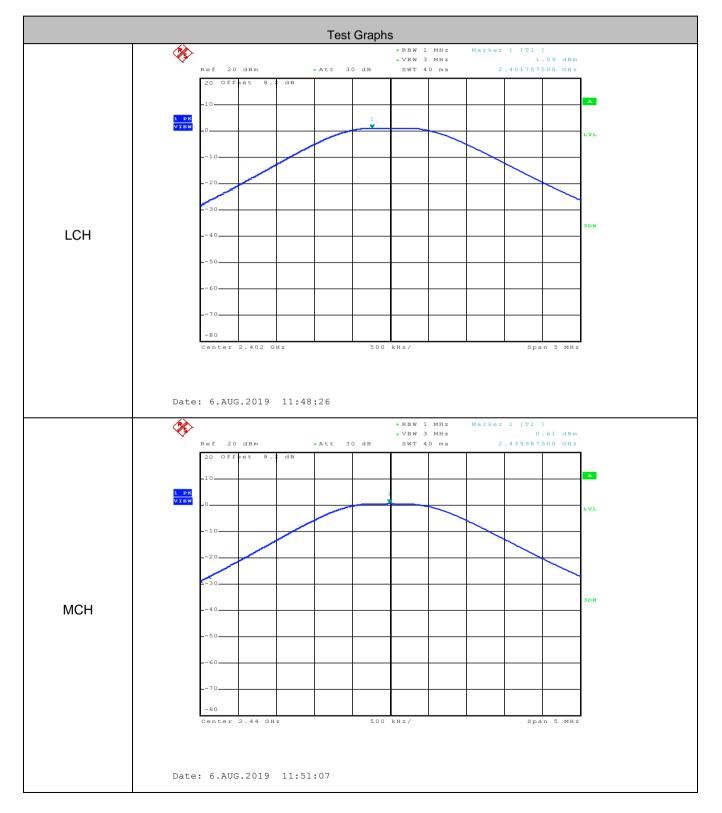
B.1 Duty Cycle

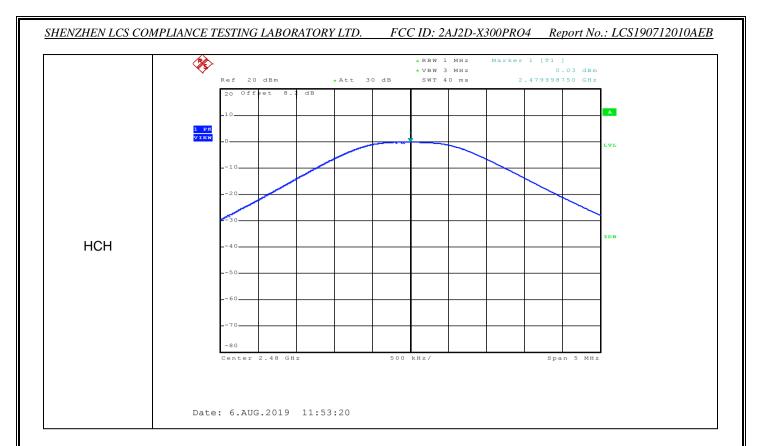
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

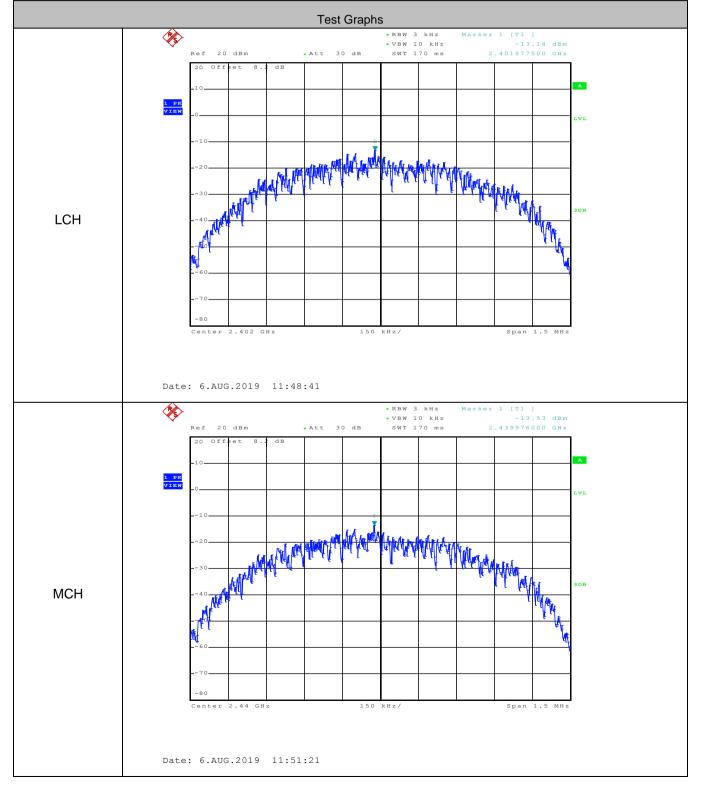
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.09	30	PASS
BT LE	MCH	0.61	30	PASS
BT LE	HCH	0.03	30	PASS

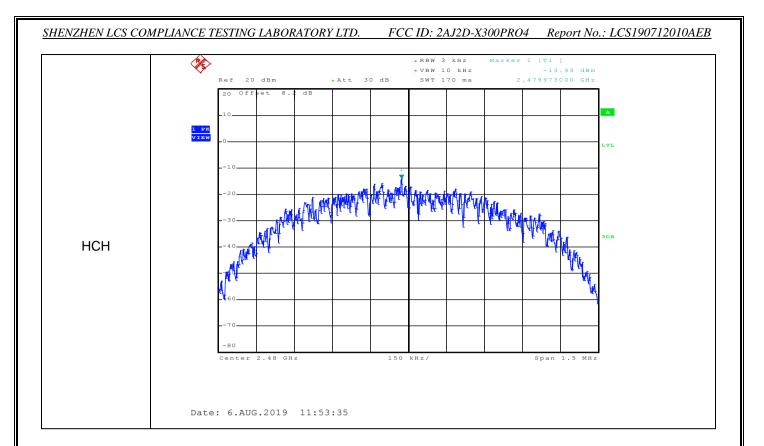




B.3 Maximum Power Spectral Density

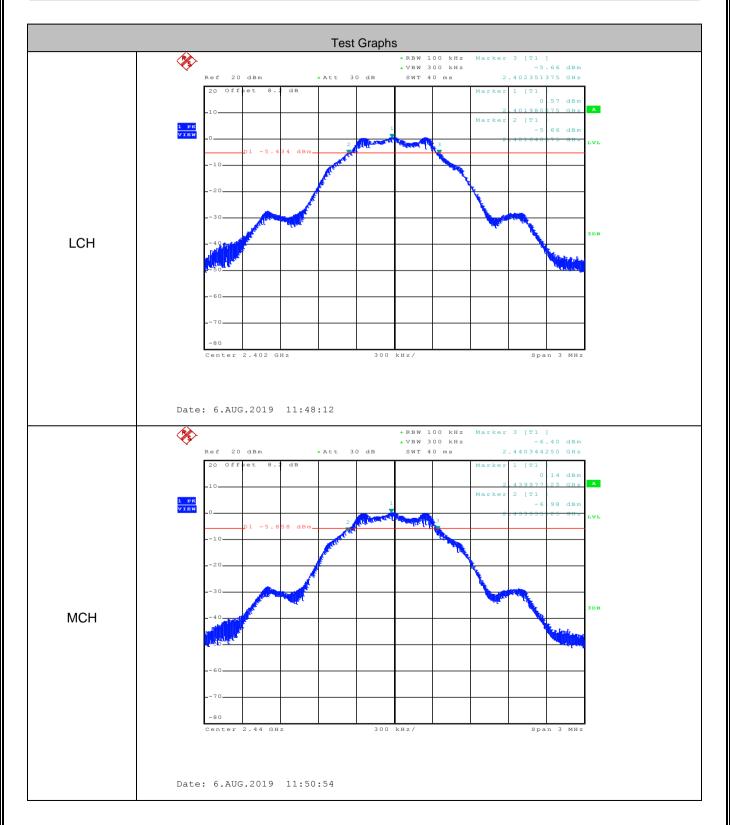
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.140	8	PASS
BT LE	MCH	-13.530	8	PASS
BT LE	НСН	-13.990	8	PASS

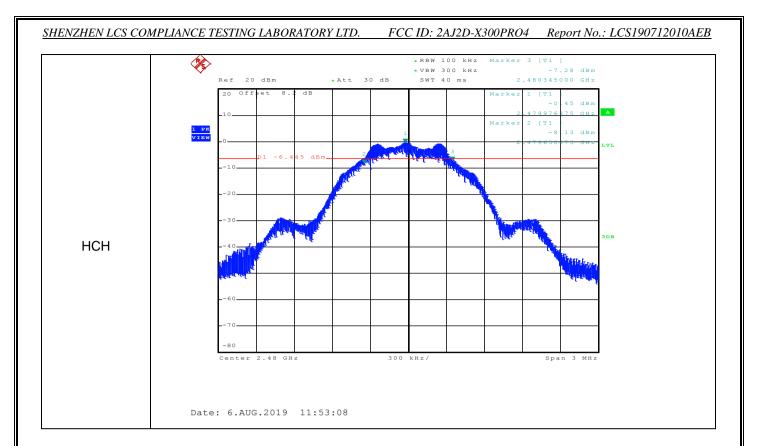




B.4 6dB Bandwidth

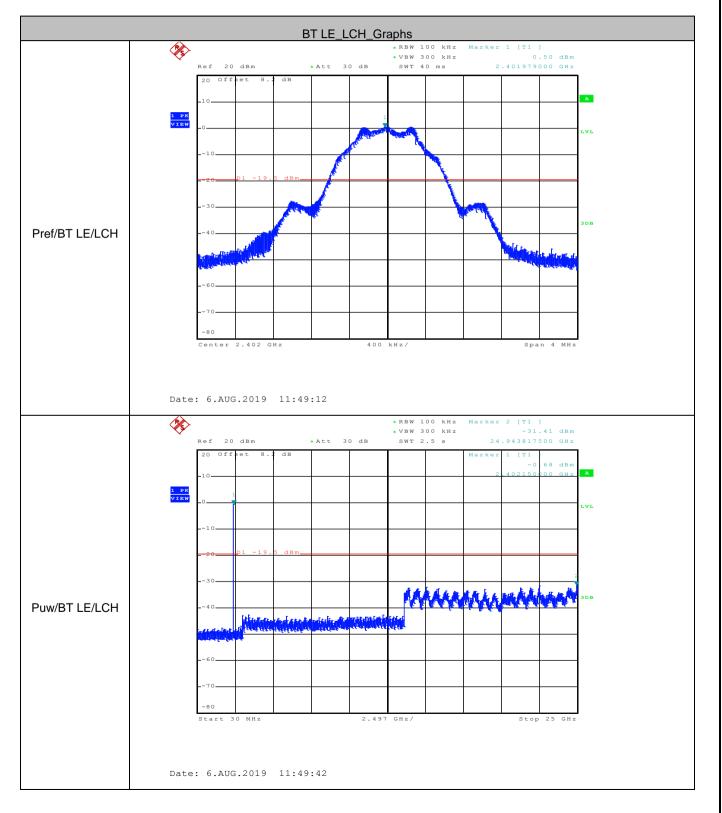
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.711	≥0.5	PASS
BT LE	MCH	0.709	≥0.5	PASS
BT LE	HCH	0.694	≥0.5	PASS

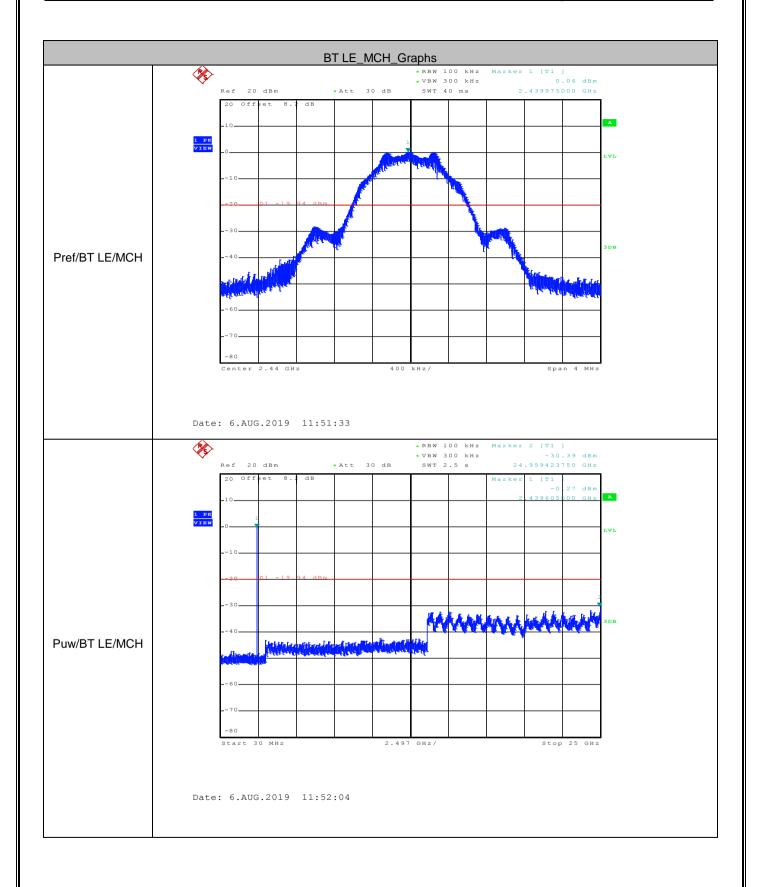


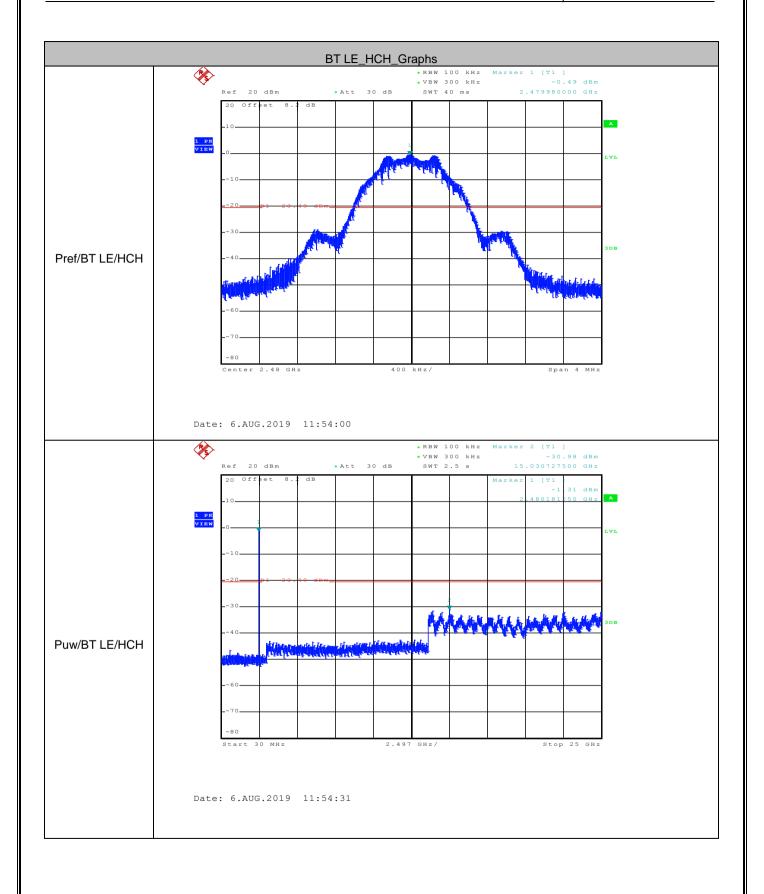


B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.5	-31.410	-19.500	PASS
BT LE	MCH	0.06	-30.390	-19.940	PASS
BT LE	НСН	-0.49	-30.980	-20.490	PASS

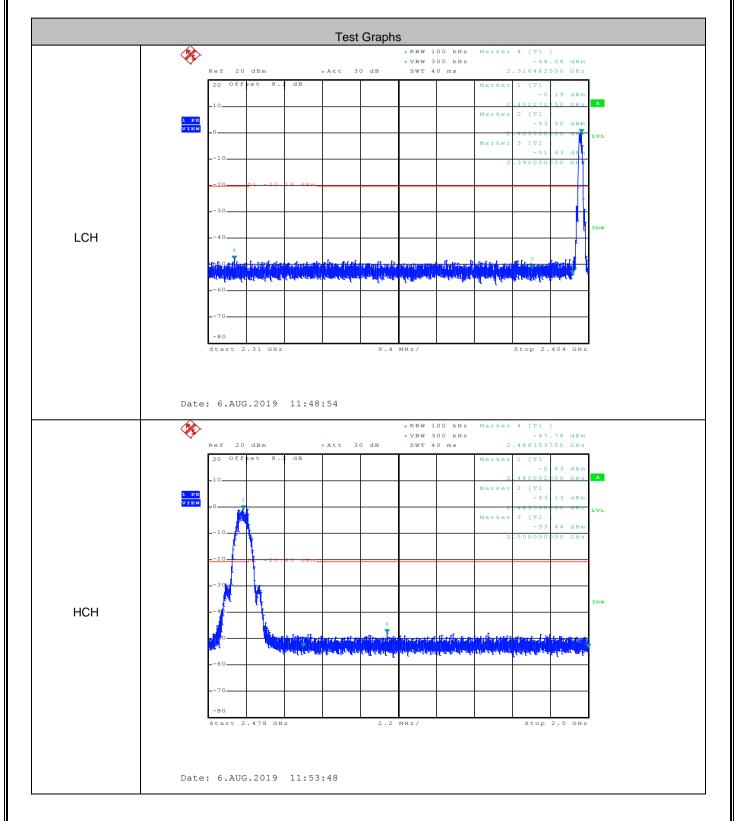






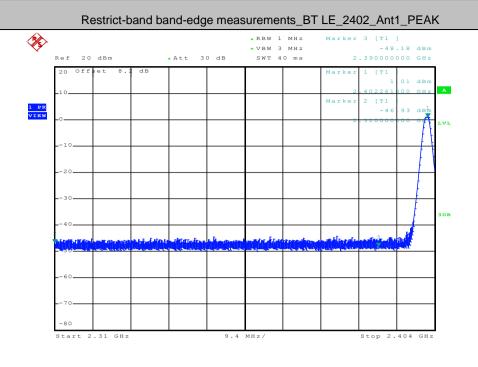
B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.190	-48.082	-20.19	PASS
BT LE	HCH	-0.830	-47.783	-20.83	PASS



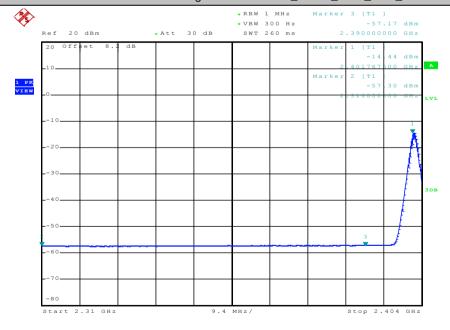
B.7 Restrict-band band-edge measurements

Test Mode	Test Chann el	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdi
		Ant1	2310.0	-46.93	2.0	0	50.33	PEAK	74	PASS
	2402	Ant1	2310.0	-57.30	2.0	0	39.96	AV	54	PASS
		Ant1	2390.0	-48.18	2.0	0	49.08	PEAK	74	PASS
		Ant1	2390.0	-57.17	2.0	0	40.09	AV	54	PASS
BT LE		Ant1	2483.5	-38.19	2.0	0	59.07	PEAK	74	PASS
	2480	Ant1	2483.5	-47.30	2.0	0	49.96	AV	54	PASS
		Ant1	2500.0	-48.07	2.0	0	49.19	PEAK	74	PASS
		Ant1	2500.0	-57.85	2.0	0	39.41	AV	54	PASS



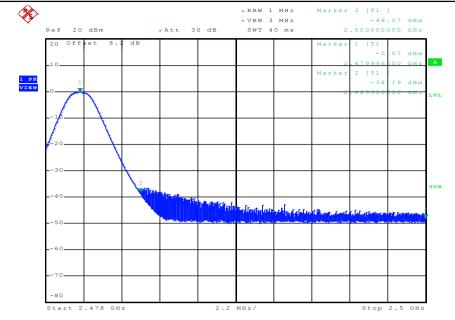
Date: 6.AUG.2019 11:50:01

Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



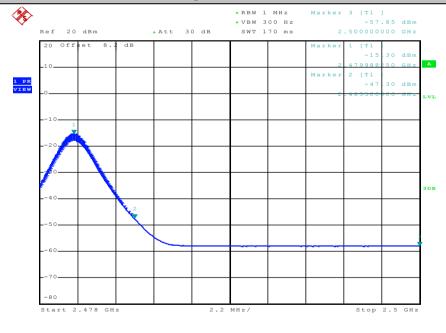
Date: 6.AUG.2019 11:50:16

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 6.AUG.2019 11:54:50

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 6.AUG.2019 11:55:06