

Appendix B

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

Product Name: 5 inch 4G Smart Phone

Trade Mark: LOGIC, iSWAG, UNONU

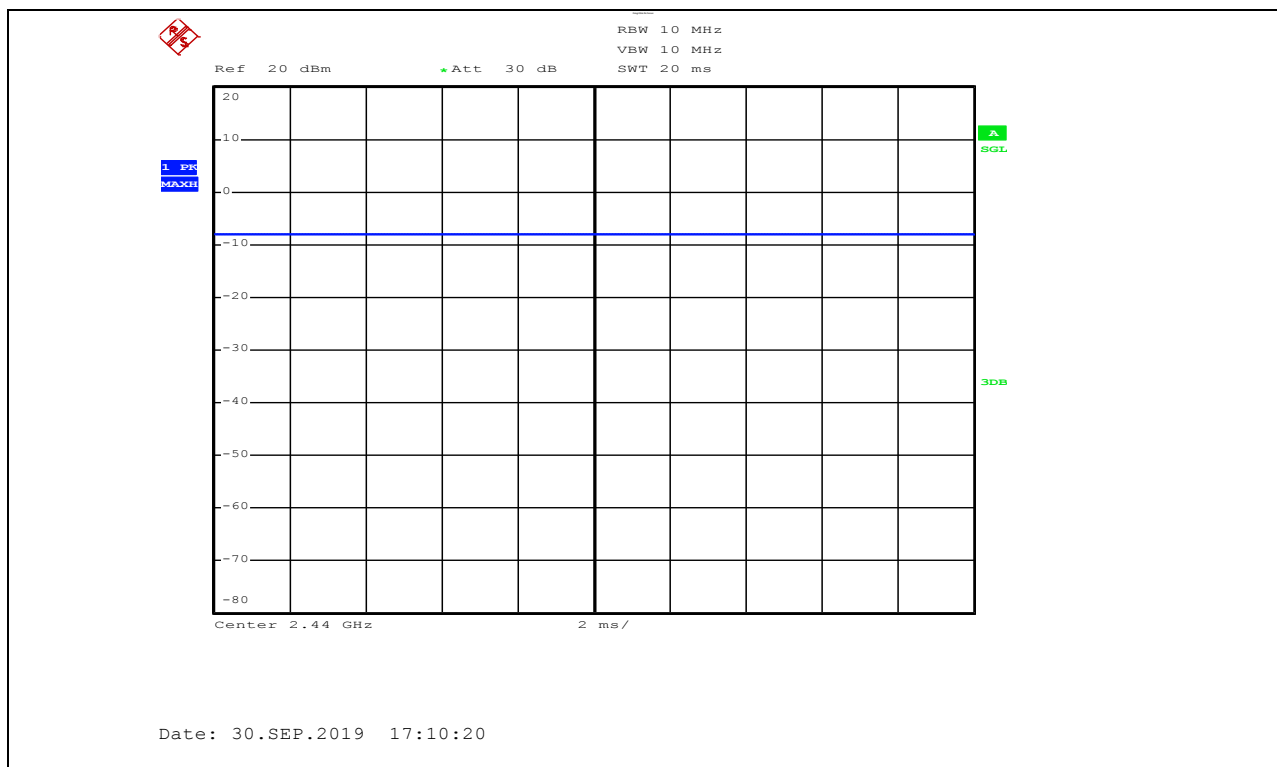
Test Model: L50T

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	54.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang.Chuang
Supervised by:	TOM.LIU

B.1 Duty Cycle

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

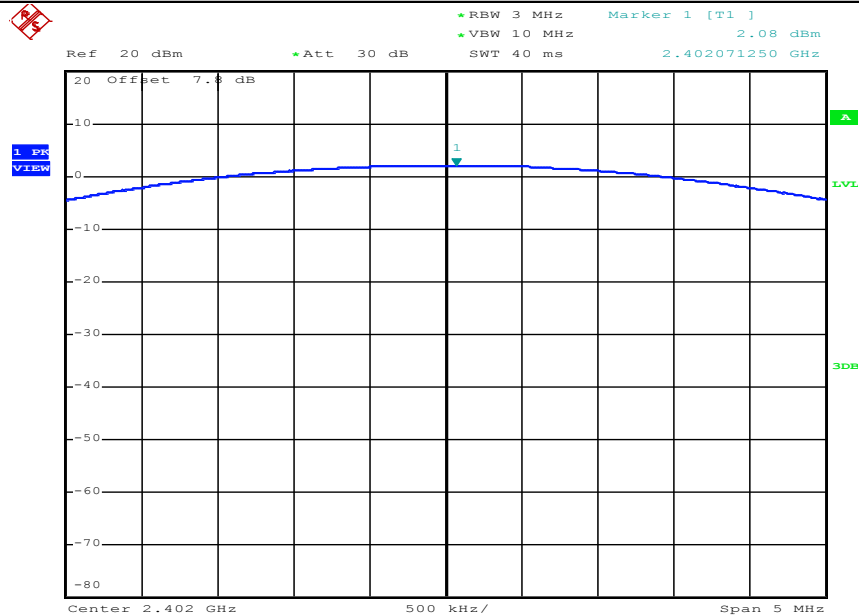


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.08	30	PASS
BT LE	MCH	0.01	30	PASS
BT LE	HCH	1.29	30	PASS

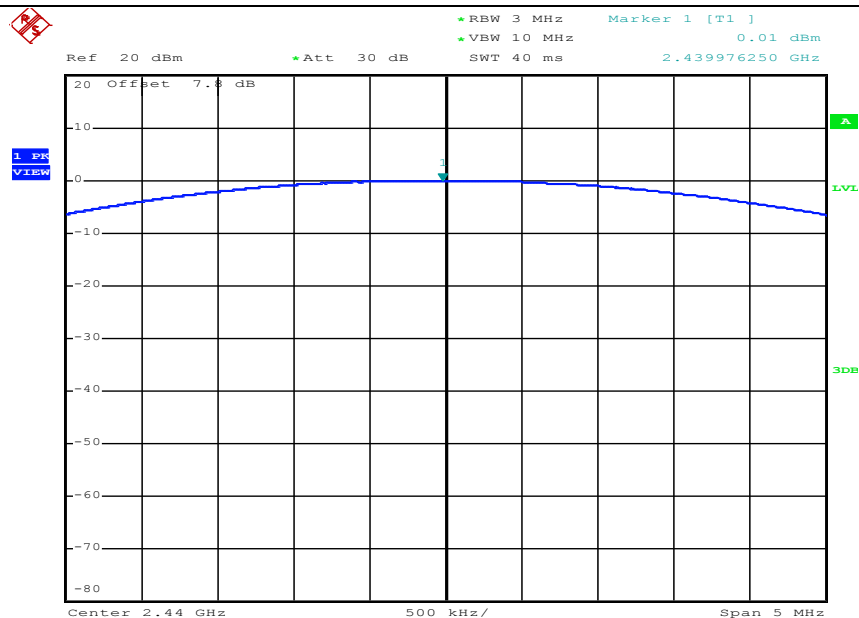
Test Graphs

LCH



Date: 30.SEP.2019 17:03:38

MCH

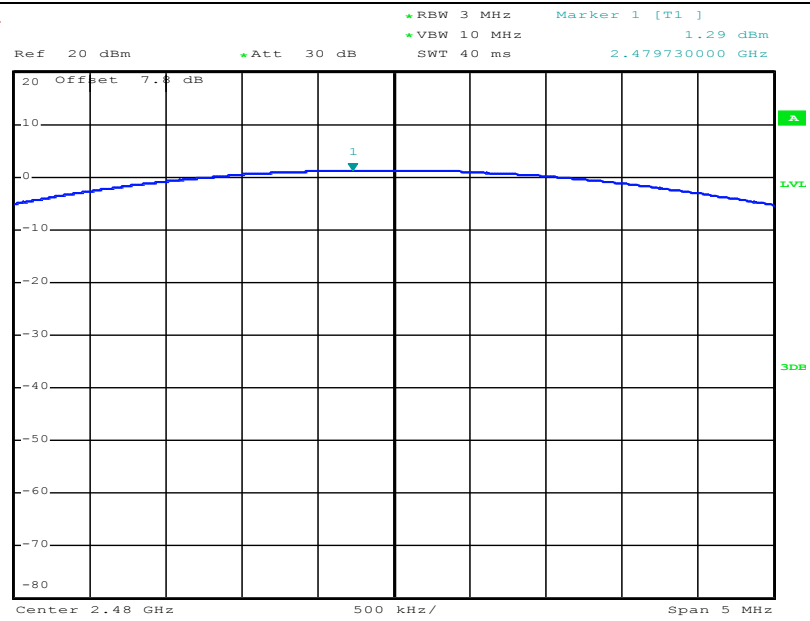


Date: 30.SEP.2019 17:06:16

HCH



1 PR
VIEW



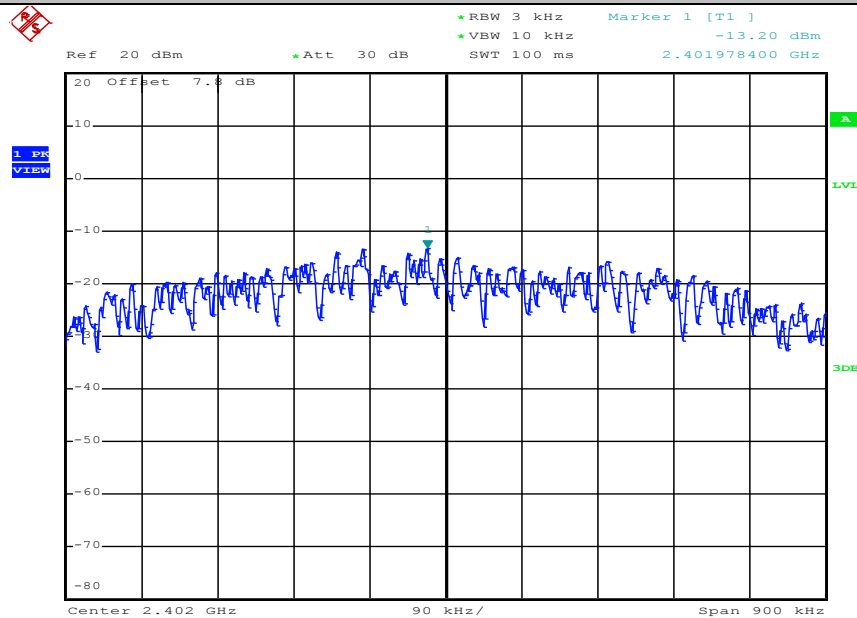
Date: 30.SEP.2019 17:08:07

B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.200	8	PASS
BT LE	MCH	-15.340	8	PASS
BT LE	HCH	-14.020	8	PASS

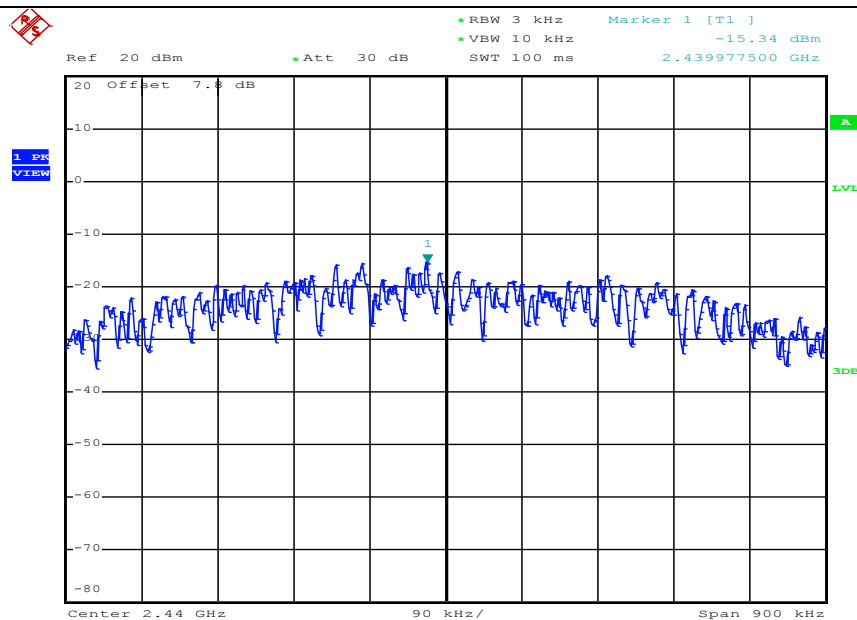
Test Graphs

LCH



Date: 30.SEP.2019 17:03:55

MCH

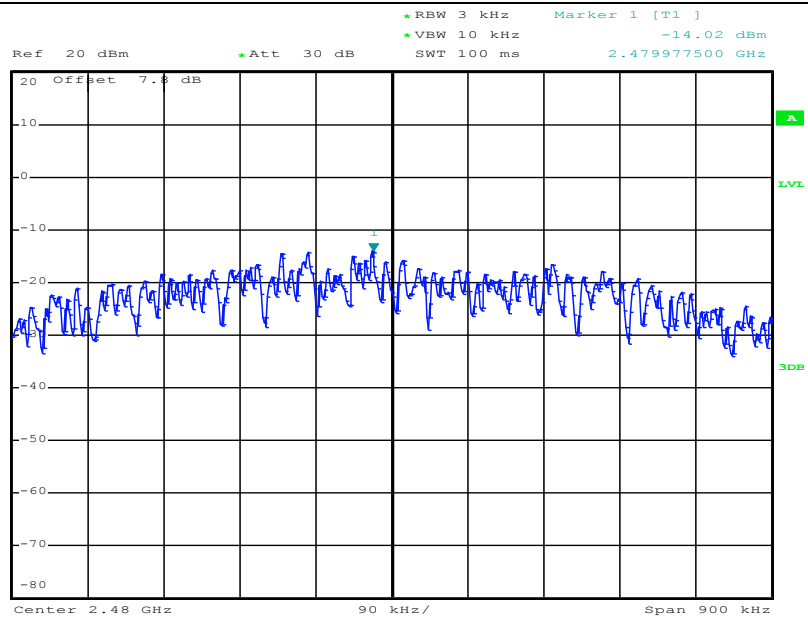


Date: 30.SEP.2019 17:06:33

HCH



1 PR
VIEW



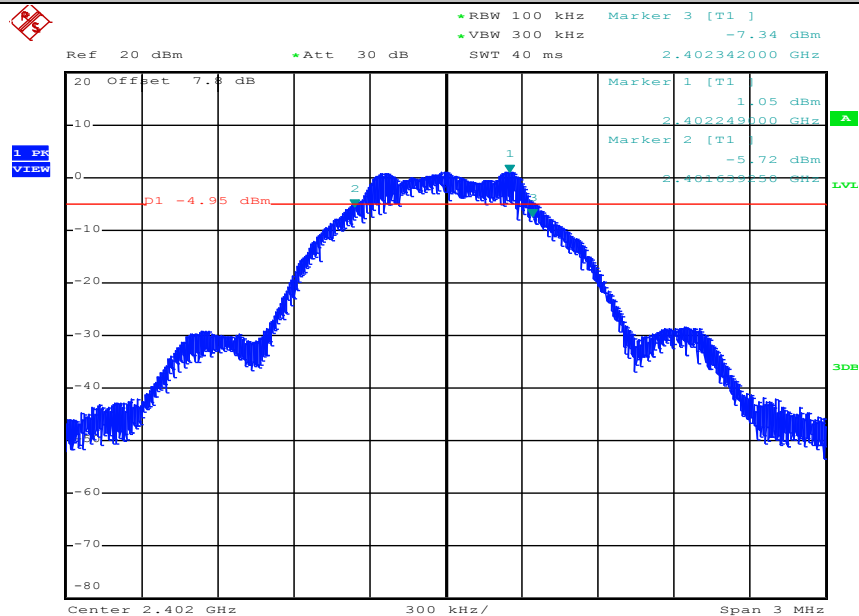
Date: 30.SEP.2019 17:08:23

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.703	≥ 0.5	PASS
BT LE	MCH	0.700	≥ 0.5	PASS
BT LE	HCH	0.701	≥ 0.5	PASS

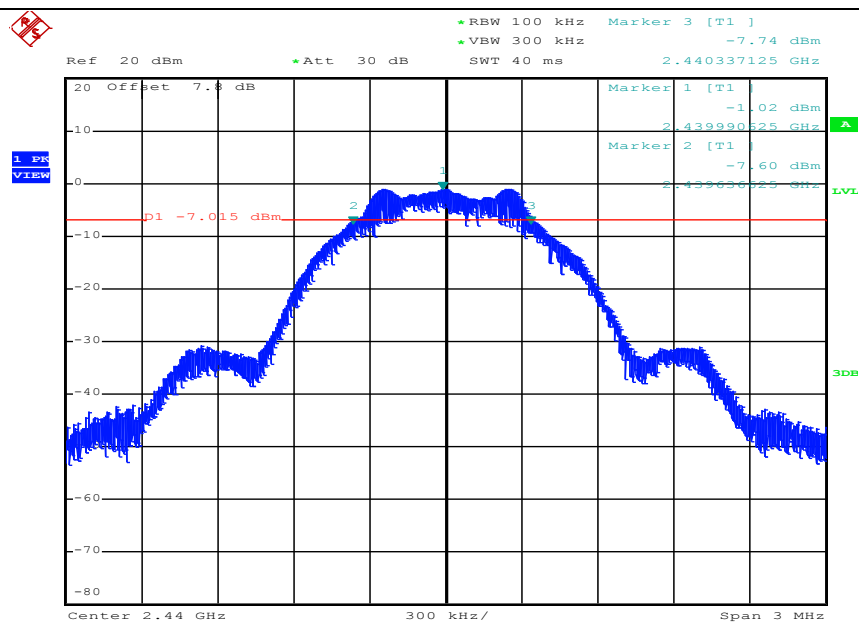
Test Graphs

LCH



Date: 30.SEP.2019 17:03:25

MCH

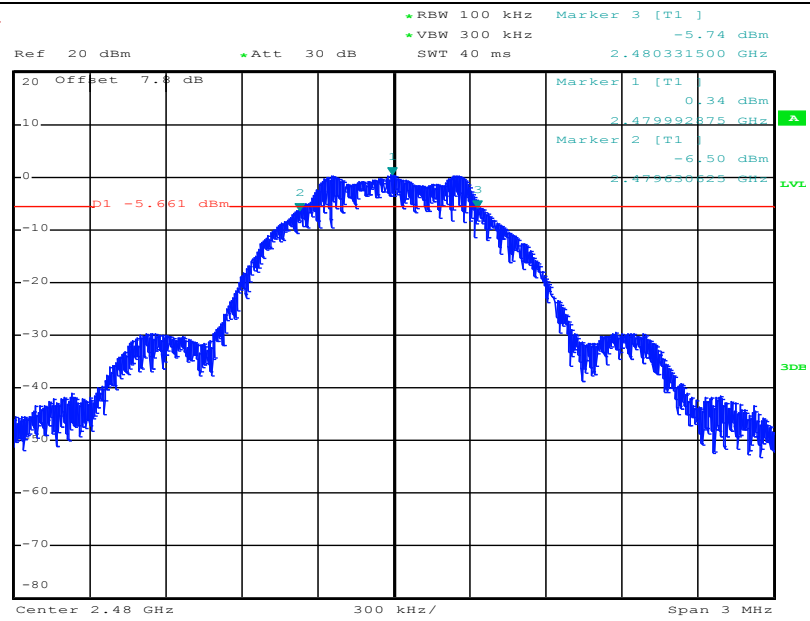


Date: 30.SEP.2019 17:06:03

HCH



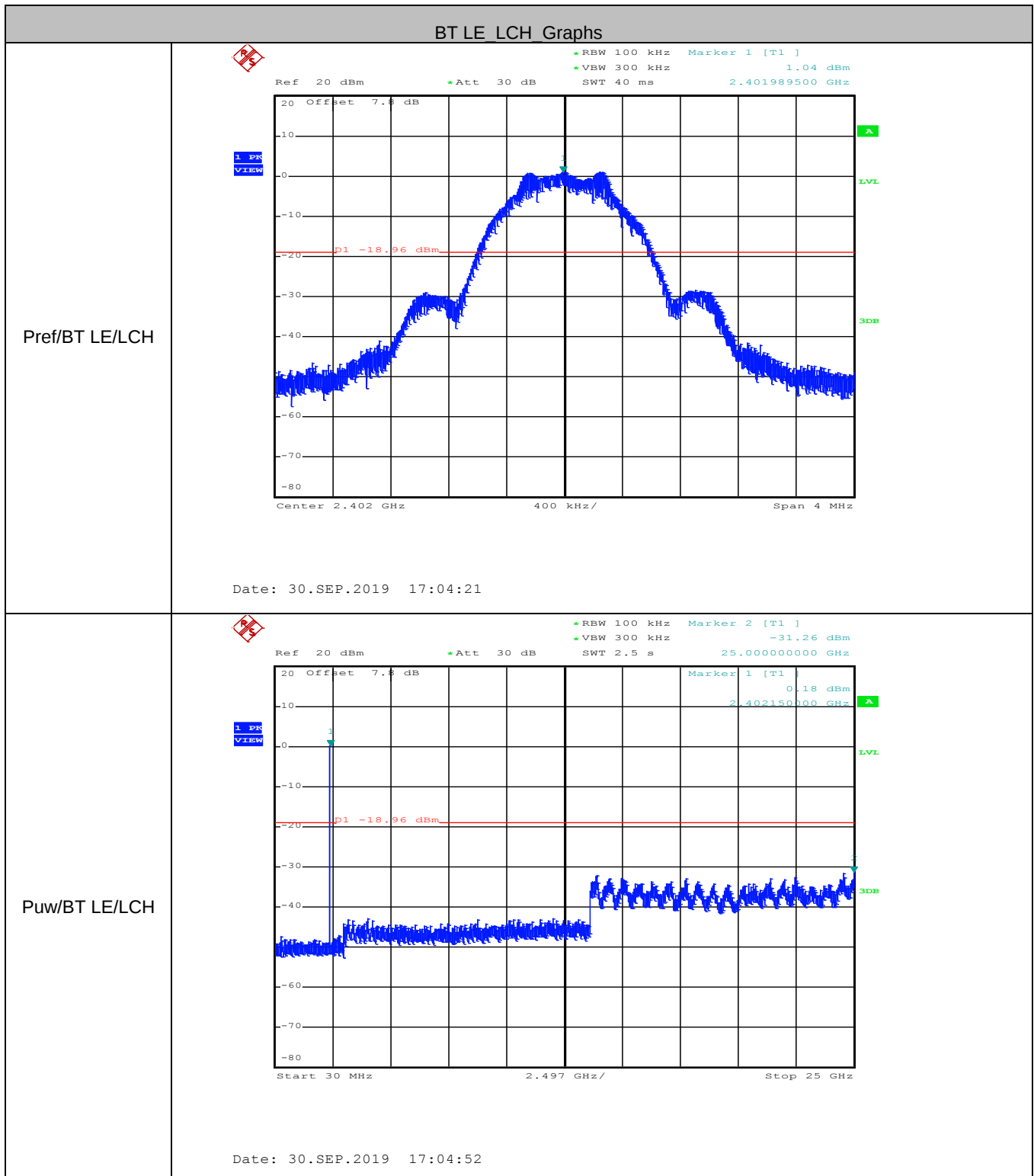
1 PR
VIEW



Date: 30.SEP.2019 17:07:54

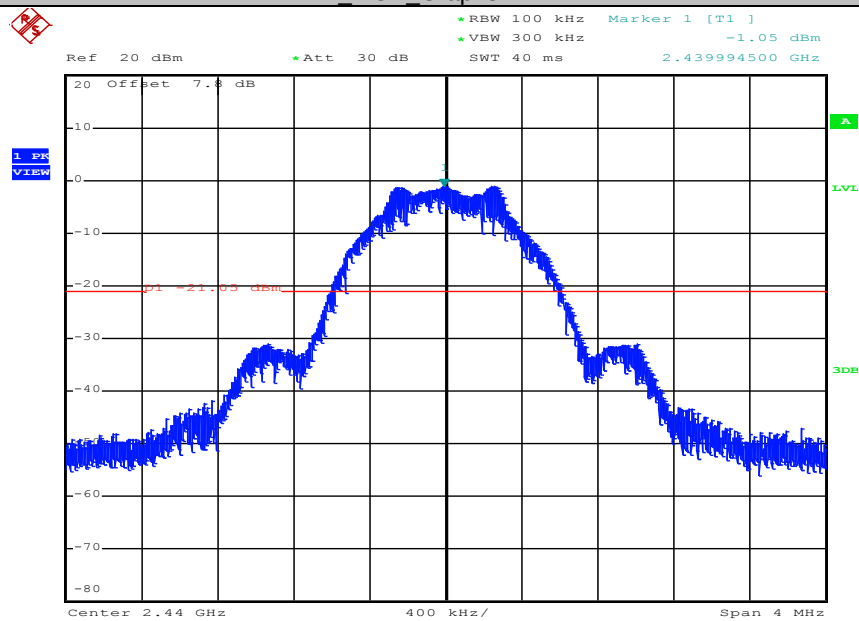
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.04	-31.260	-18.960	PASS
BT LE	MCH	-1.05	-31.400	-21.050	PASS
BT LE	HCH	0.26	-31.710	-19.740	PASS



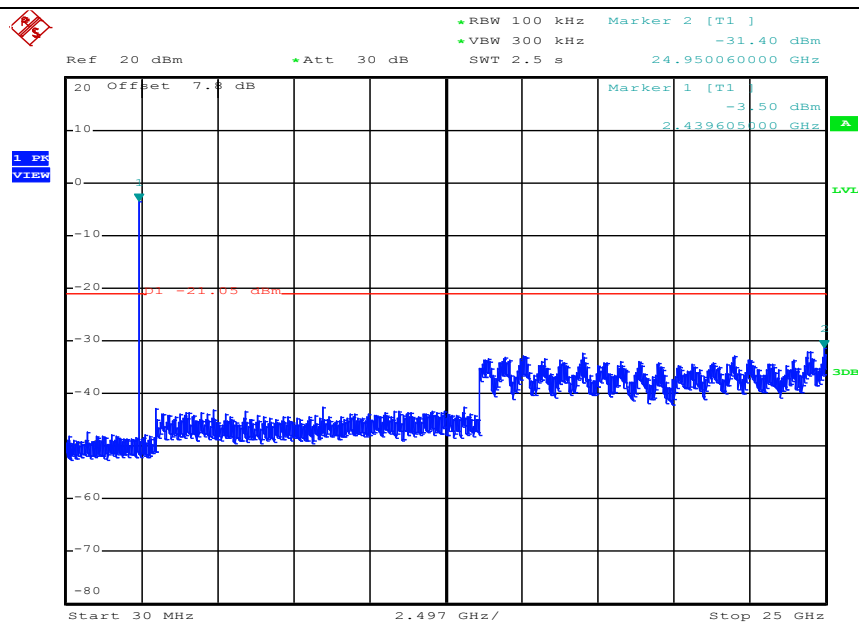
BT LE_MCH_Graphs

Pref/BT LE/MCH



Date: 30.SEP.2019 17:06:46

Puw/BT LE/MCH



Date: 30.SEP.2019 17:07:16

1 PK
VIEW

1 PK
VIEW



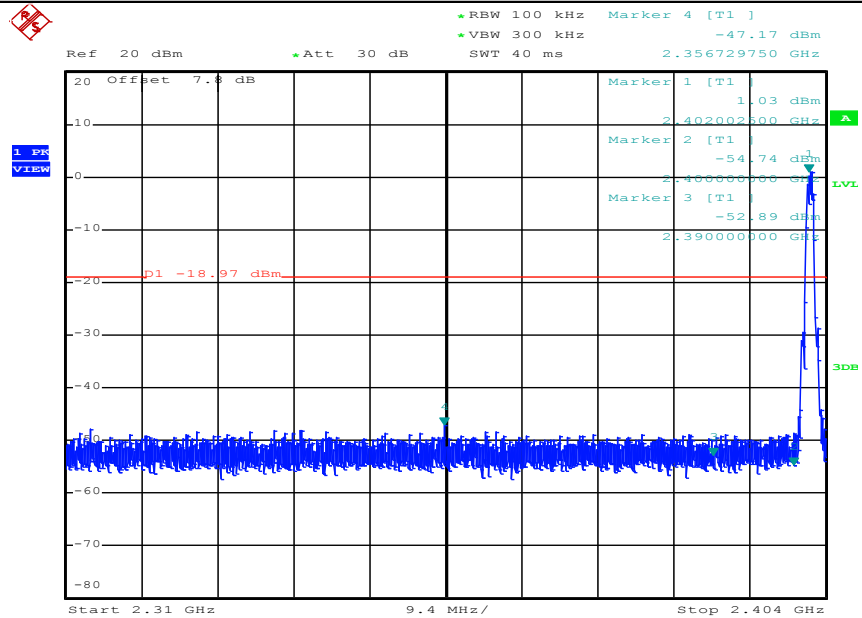
Page 10 of 14

B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.030	-47.174	-18.97	PASS
BT LE	HCH	0.300	-47.314	-19.7	PASS

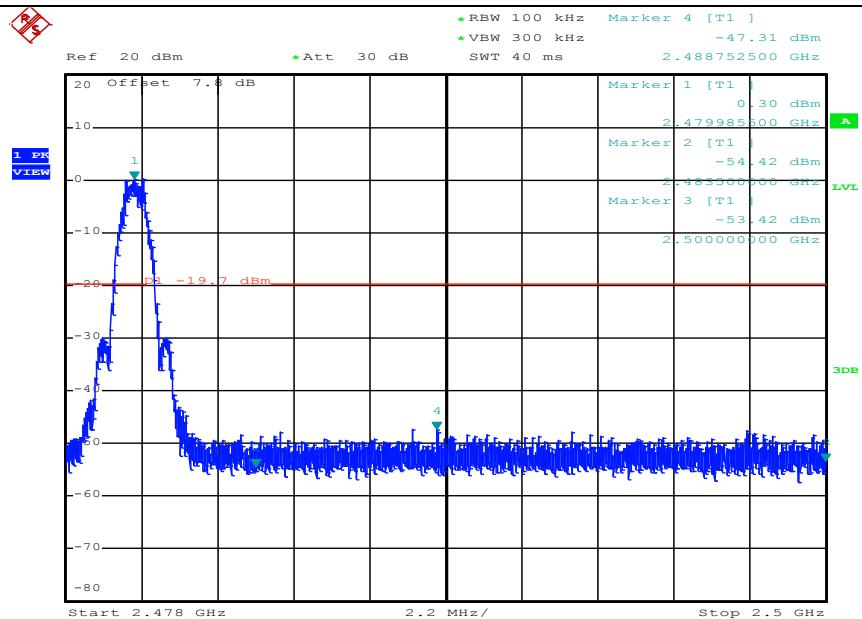
Test Graphs

LCH



Date: 30.SEP.2019 17:04:08

HCH

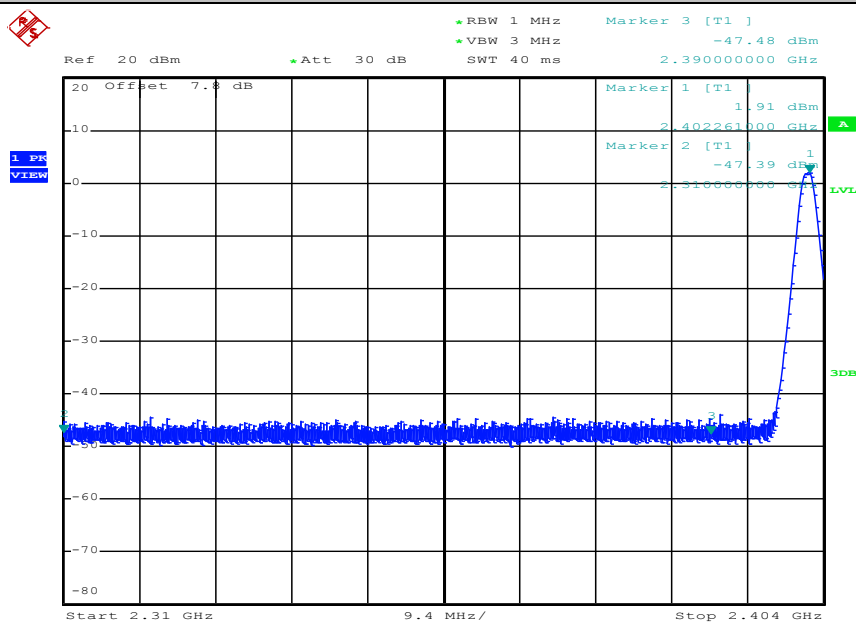


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B.7 Restrict-band band-edge measurements

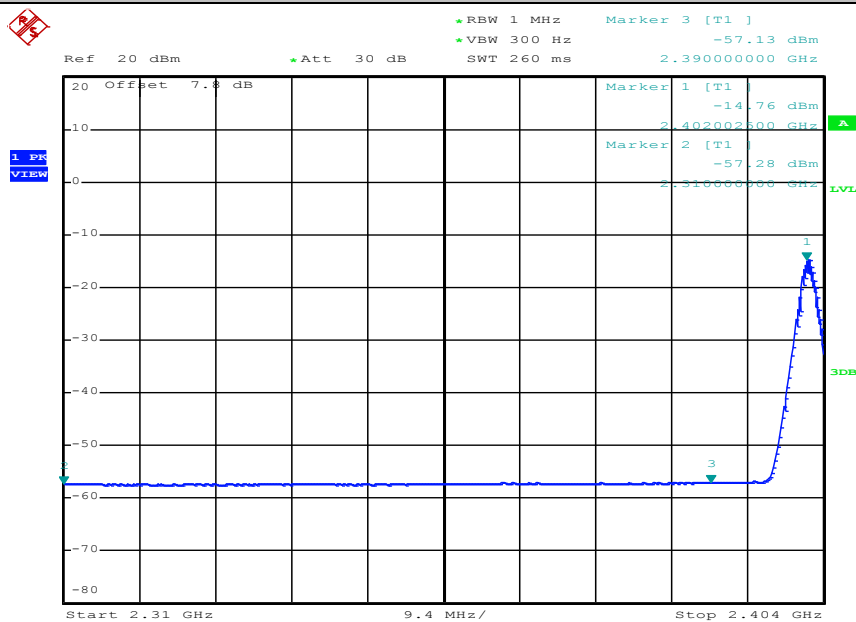
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-47.39	2.0	0	47.87	PEAK	74	PASS
		Ant1	2310.0	-57.28	2.0	0	37.98	AV	54	PASS
		Ant1	2390.0	-47.48	2.0	0	47.78	PEAK	74	PASS
		Ant1	2390.0	-57.13	2.0	0	38.13	AV	54	PASS
	2480	Ant1	2483.5	-36.58	2.0	0	58.68	PEAK	74	PASS
		Ant1	2483.5	-45.84	2.0	0	49.42	AV	54	PASS
		Ant1	2500.0	-47.62	2.0	0	47.64	PEAK	74	PASS
		Ant1	2500.0	-57.73	2.0	0	37.53	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



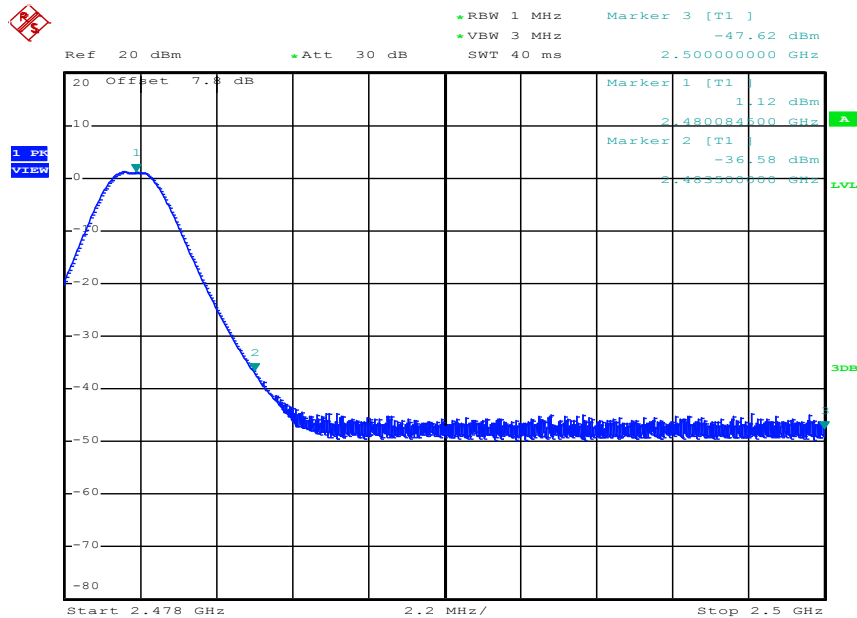
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Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



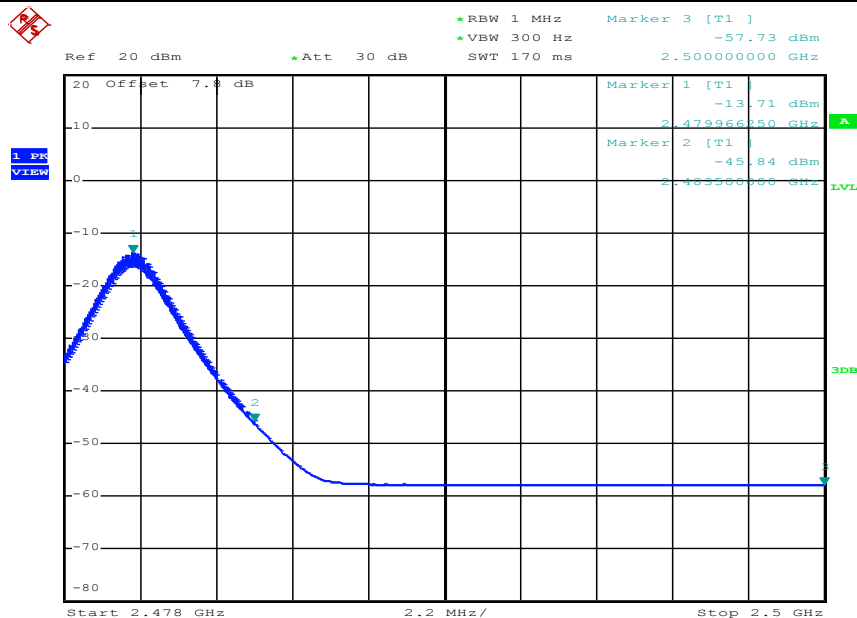
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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 30.SEP.2019 17:09:39

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 30.SEP.2019 17:09:54