

Appendix B

RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement)

Product Name: Mini Projector

Trade Mark: N/A

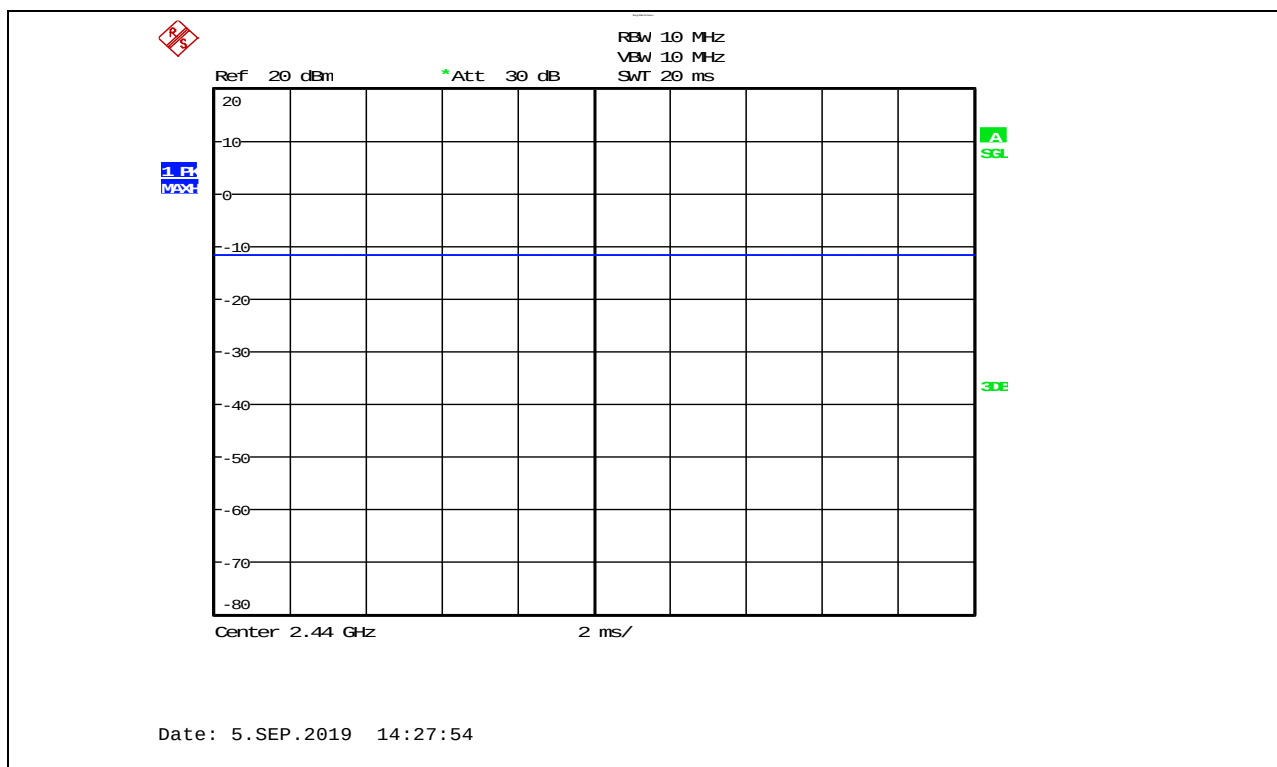
Test Model: HDP300

Environmental Conditions

Temperature:	23.6 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Wang.Chuang

B.1 Duty Cycle

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

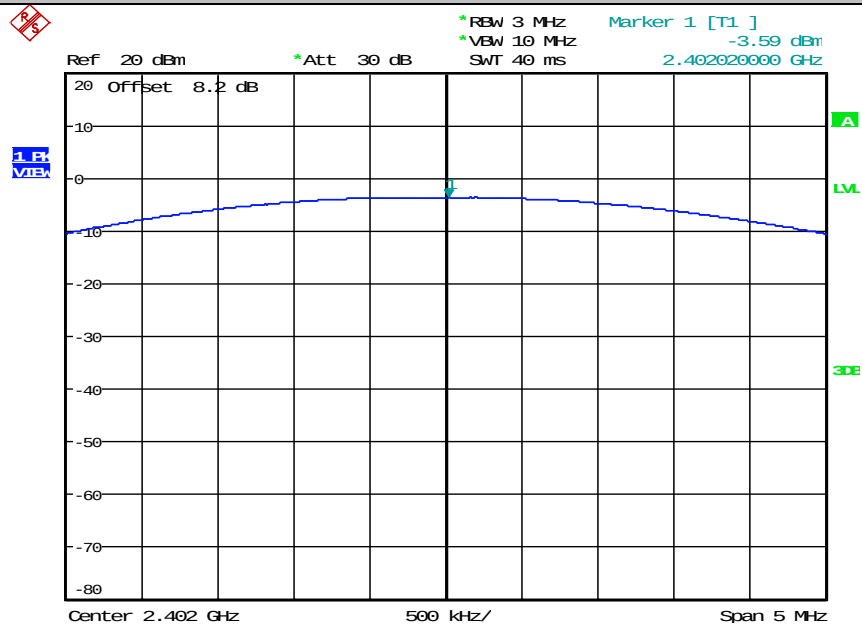


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.59	30	PASS
BT LE	MCH	-3.13	30	PASS
BT LE	HCH	-2.65	30	PASS

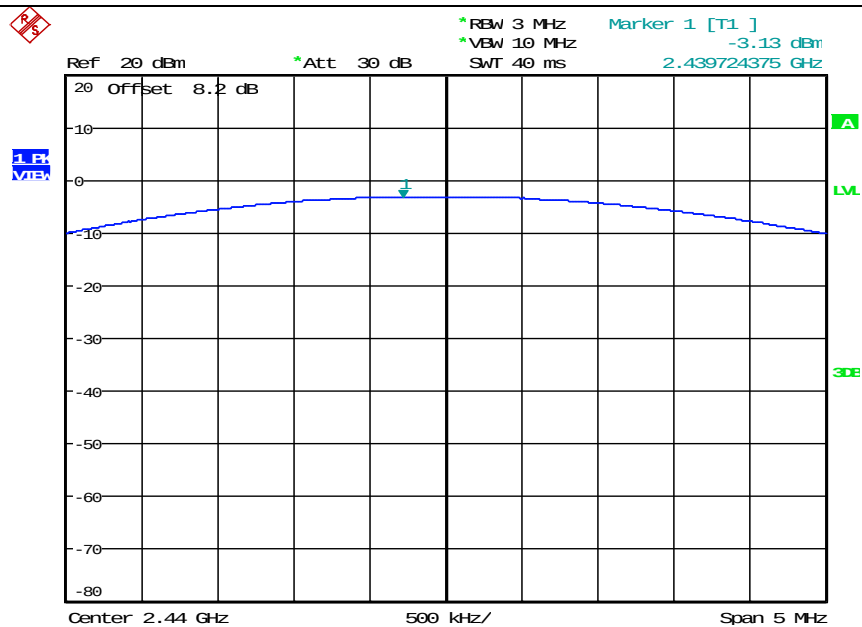
Test Graphs

LCH



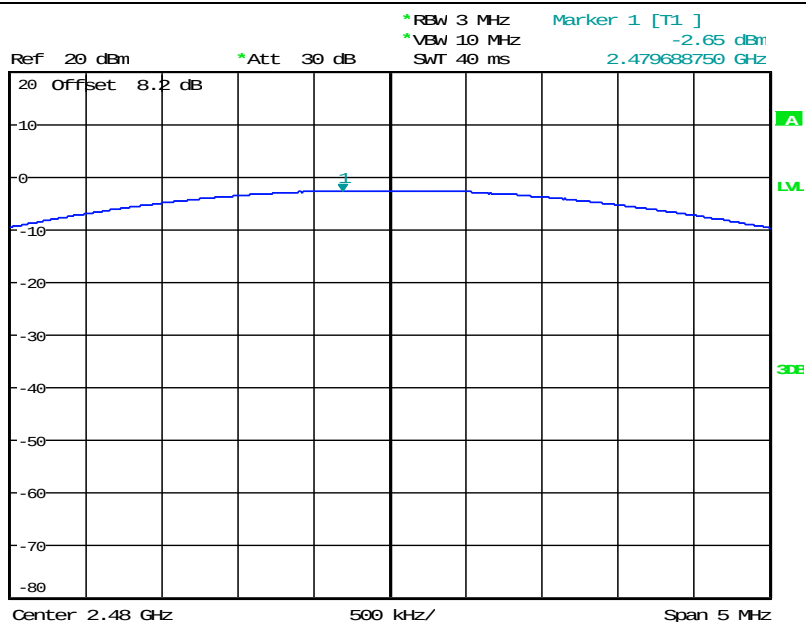
Date: 5.SEP.2019 14:20:47

MCH



Date: 5.SEP.2019 14:23:43

HCH



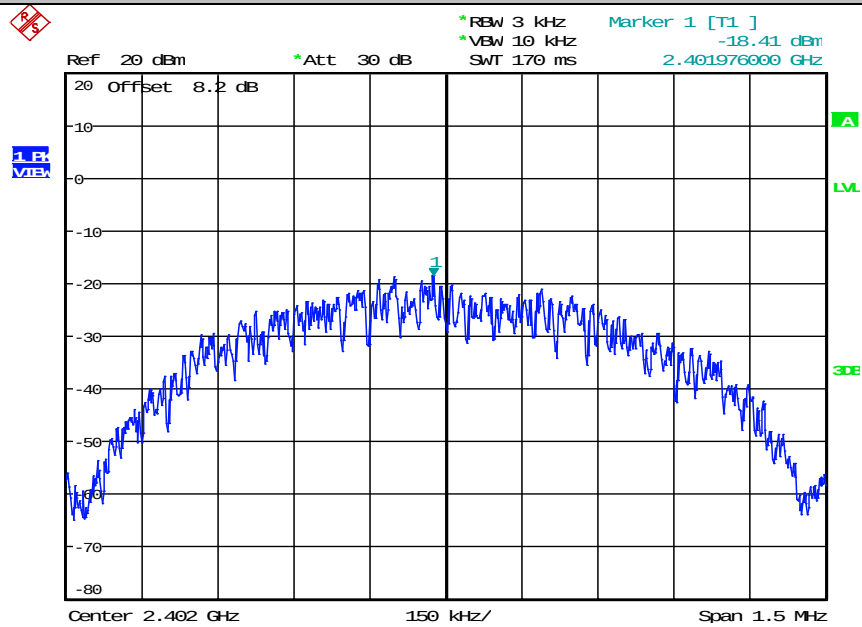
Date: 5.SEP.2019 14:25:38

B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.410	8	PASS
BT LE	MCH	-17.960	8	PASS
BT LE	HCH	-17.550	8	PASS

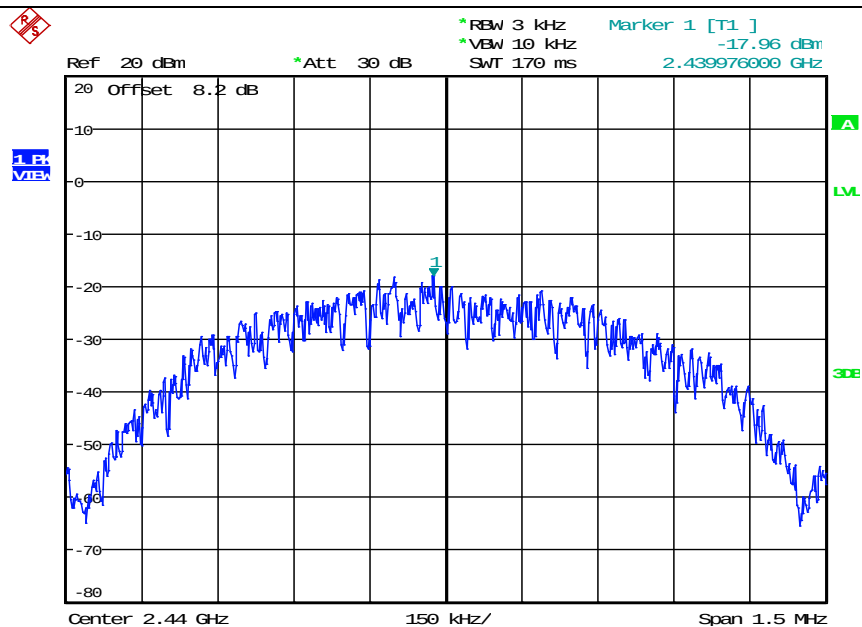
Test Graphs

LCH



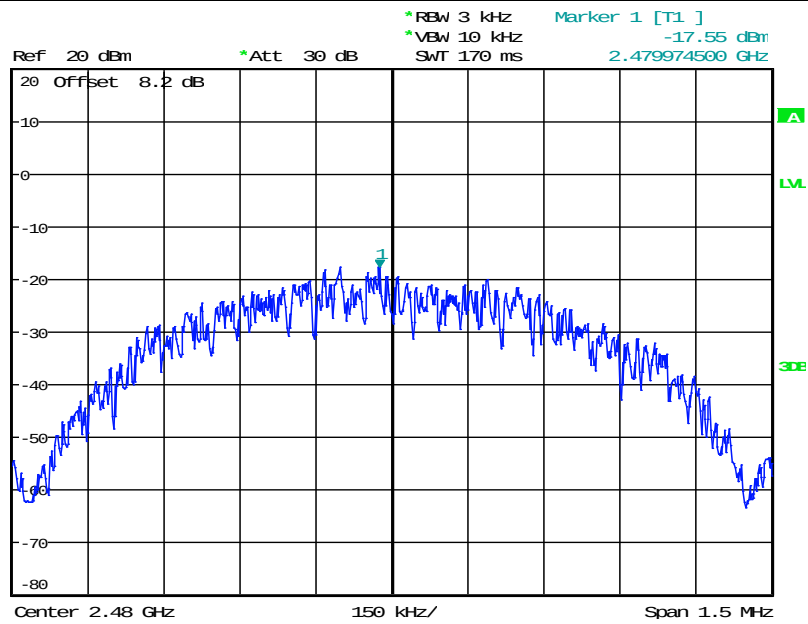
Date: 5.SEP.2019 14:21:01

MCH



Date: 5.SEP.2019 14:23:57

HCH



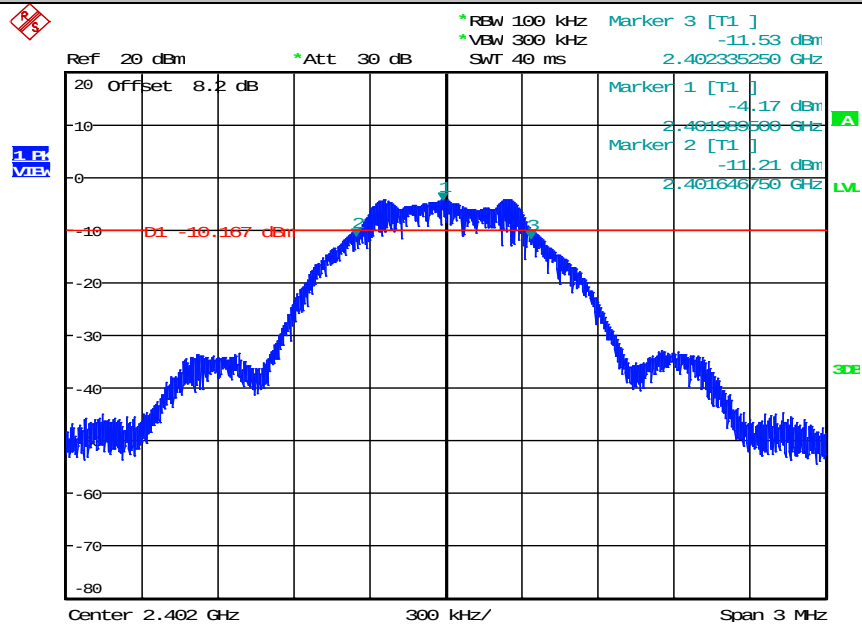
Date: 5.SEP.2019 14:25:53

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.689	≥ 0.5	PASS
BT LE	MCH	0.692	≥ 0.5	PASS
BT LE	HCH	0.697	≥ 0.5	PASS

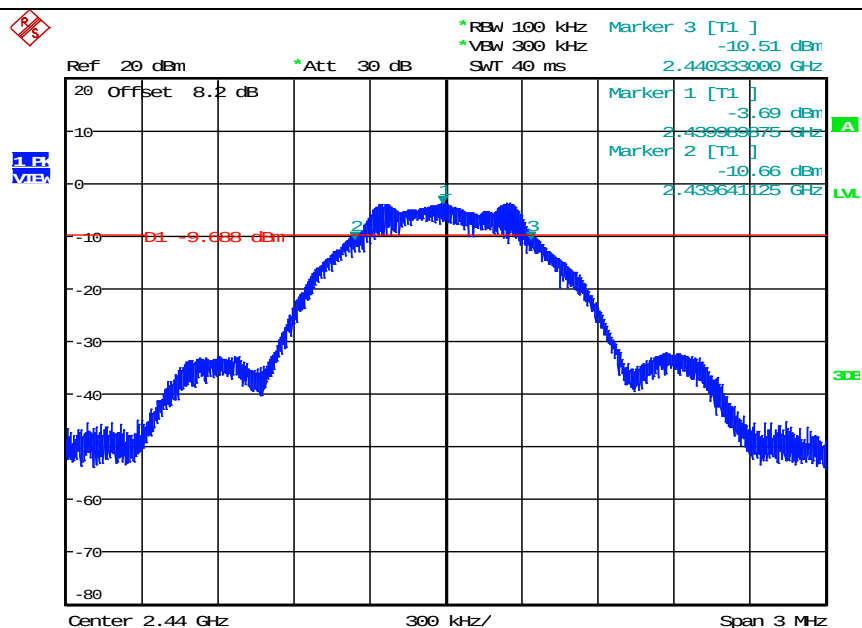
Test Graphs

LCH



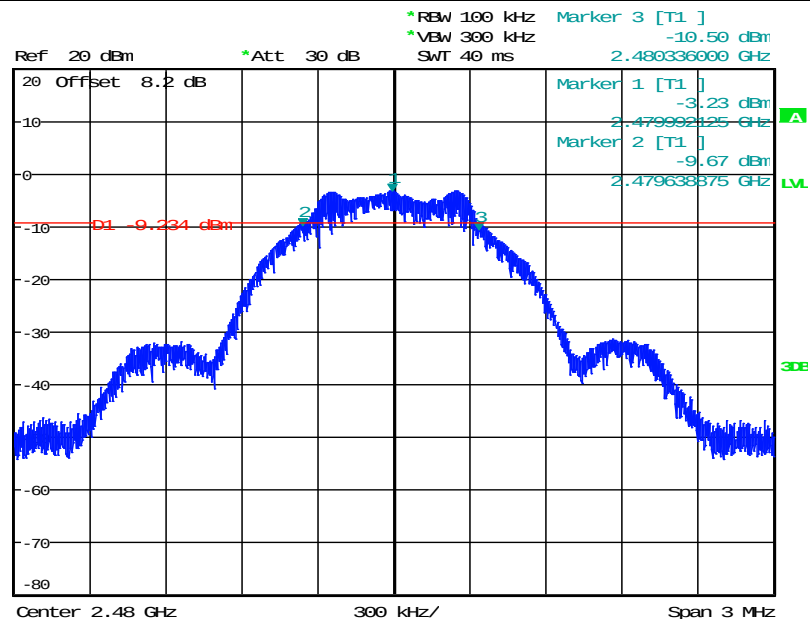
Date: 5.SEP.2019 14:20:34

MCH



Date: 5.SEP.2019 14:23:30

HCH



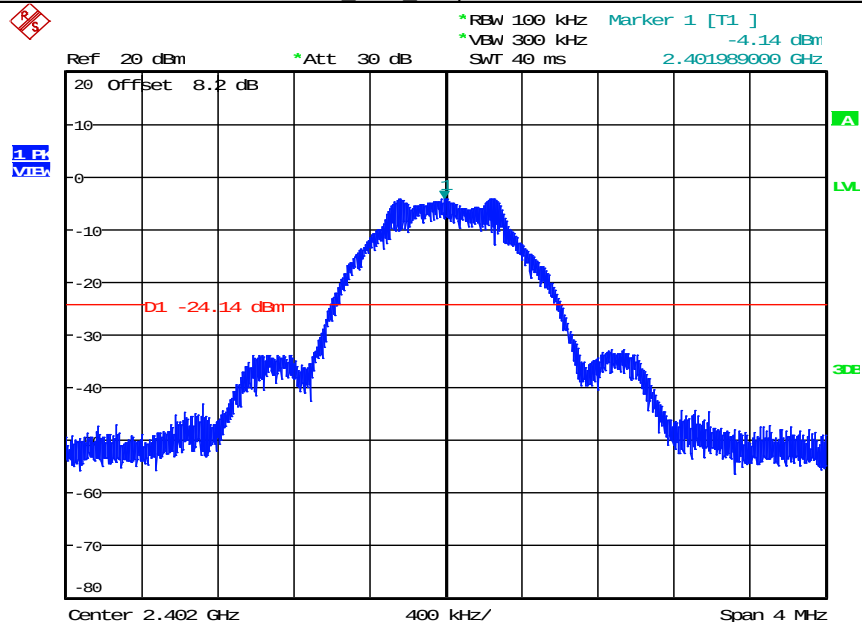
Date: 5.SEP.2019 14:25:26

B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.14	-31.900	-24.140	PASS
BT LE	MCH	-3.7	-32.120	-23.700	PASS
BT LE	HCH	-3.25	-31.980	-23.250	PASS

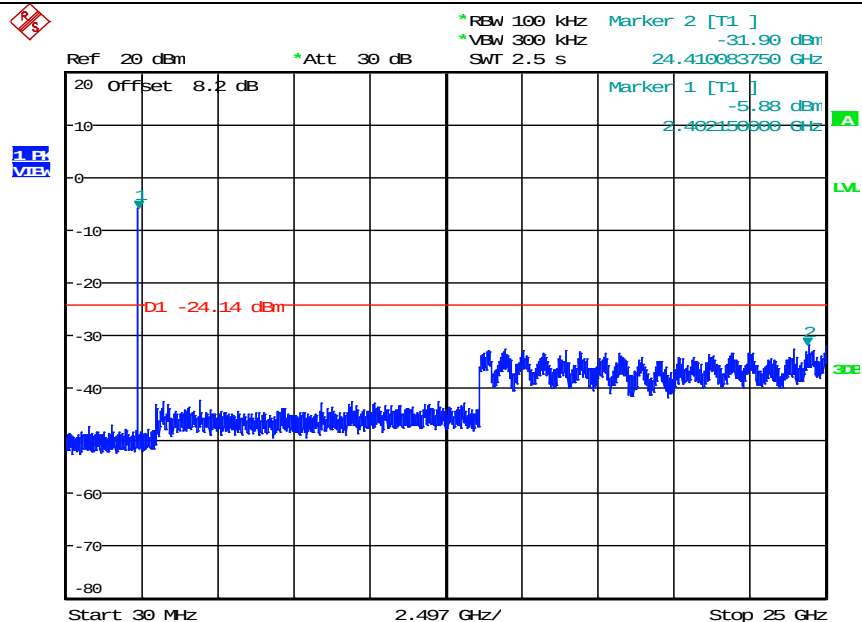
BT LE LCH Graphs

Pref/BT LE/LCH



Date: 5.SEP.2019 14:21:27

Puw/BT LE/LCH

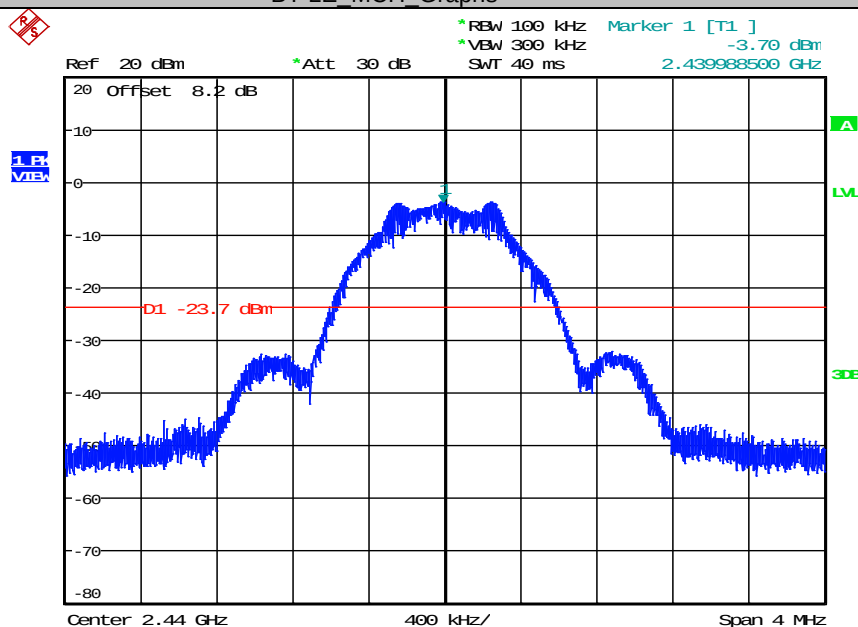


Date: 5.SEP.2019 14:21:58

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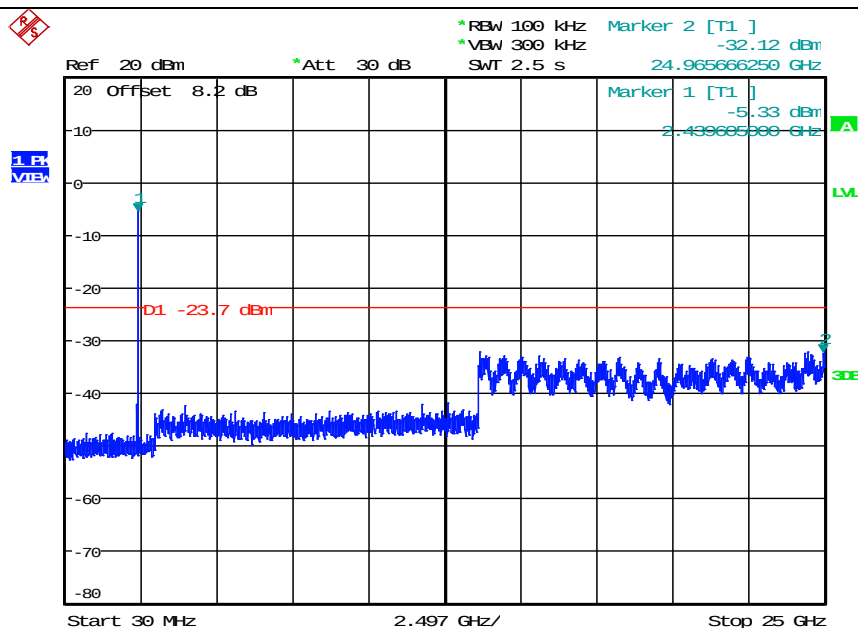
BT LE MCH Graphs

Pref/BT LE/MCH



Date: 5.SEP.2019 14:24:10

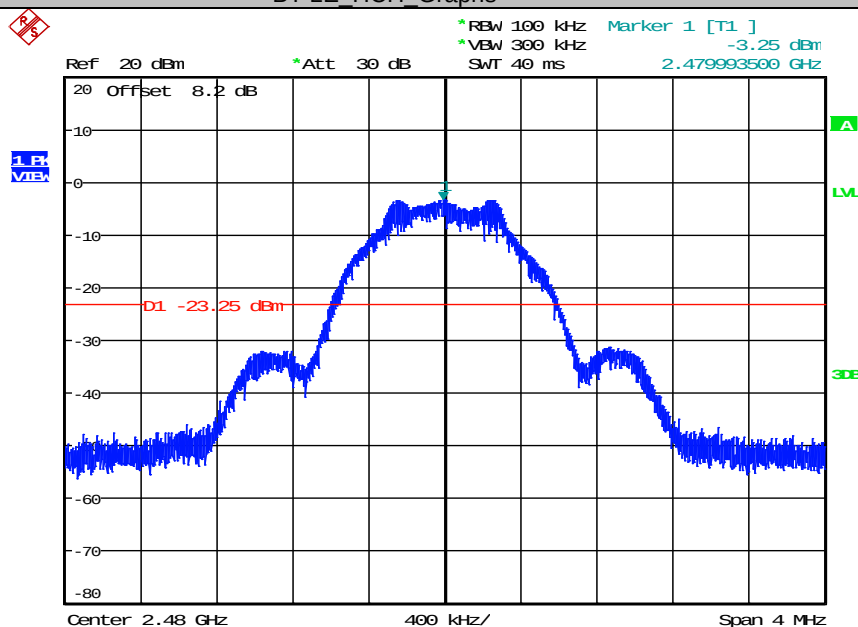
Puw/BT LE/MCH



Date: 5.SEP.2019 14:24:40

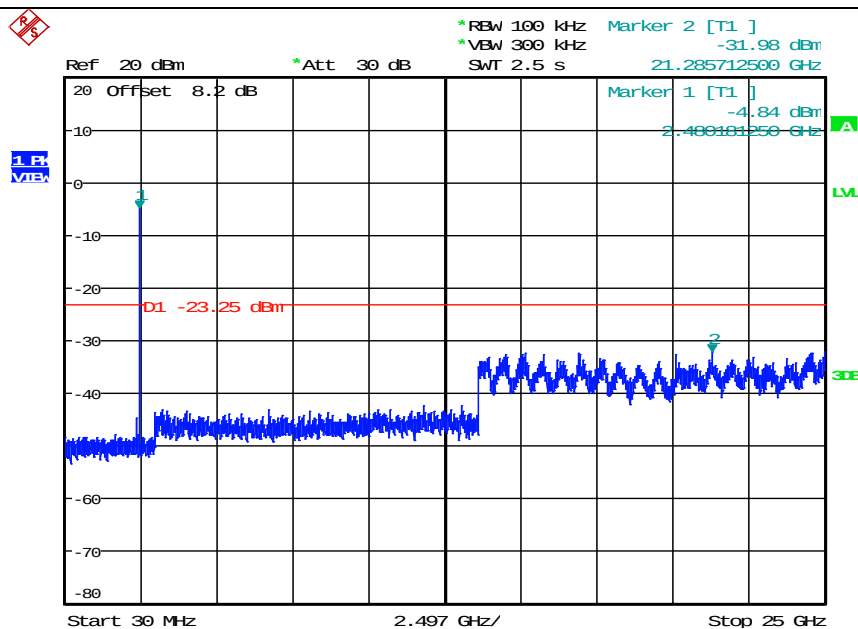
BT LE_HCH_Graphs

Pref/BT LE/HCH



Date: 5.SEP.2019 14:26:19

Puw/BT LE/HCH



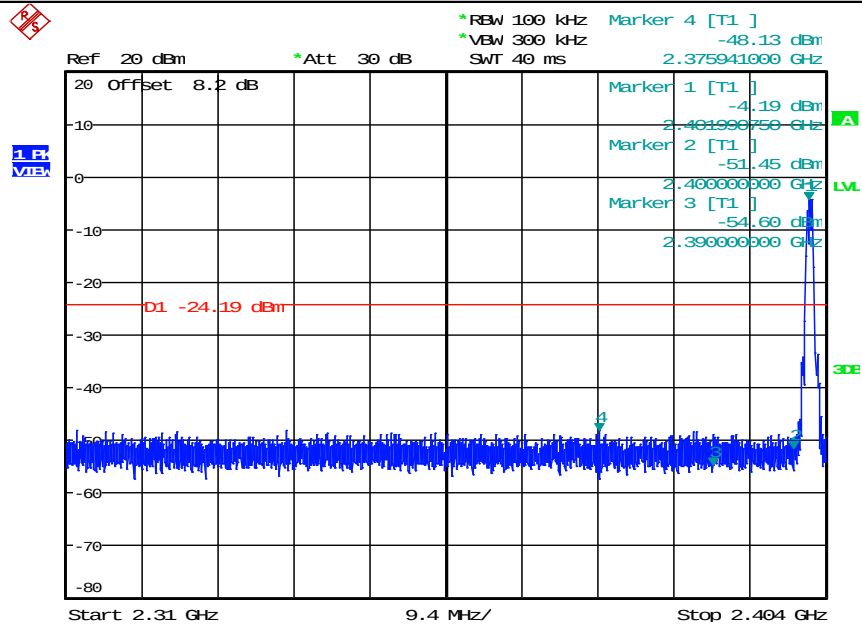
Date: 5.SEP.2019 14:26:49

B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.190	-48.129	-24.19	PASS
BT LE	HCH	-3.360	-48.229	-23.36	PASS

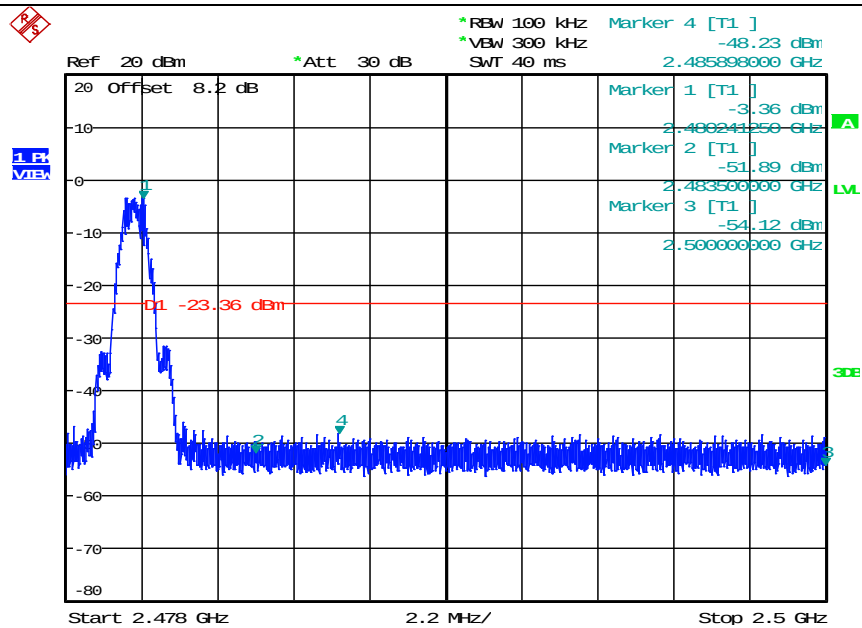
Test Graphs

LCH



Date: 5.SEP.2019 14:21:14

HCH

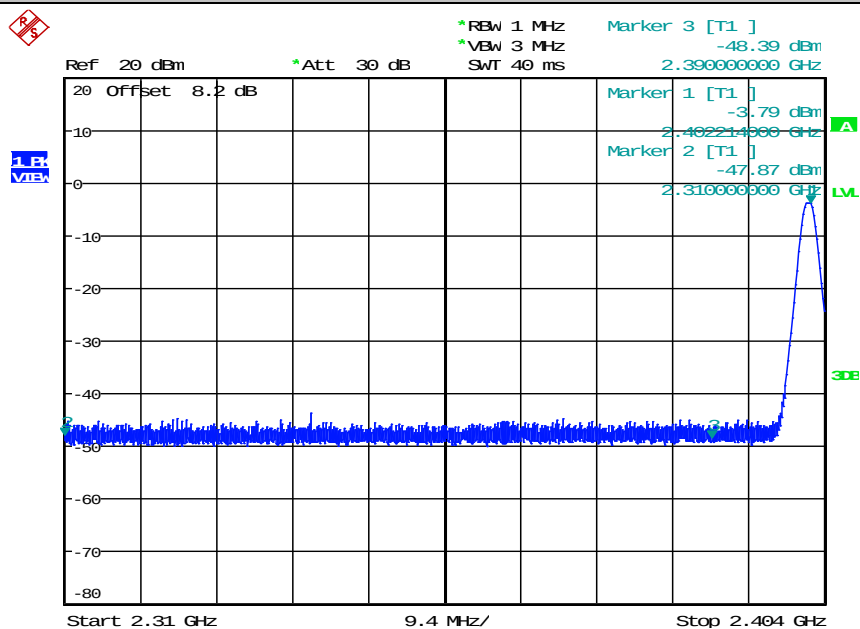


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B.7 Restrict-band band-edge measurements

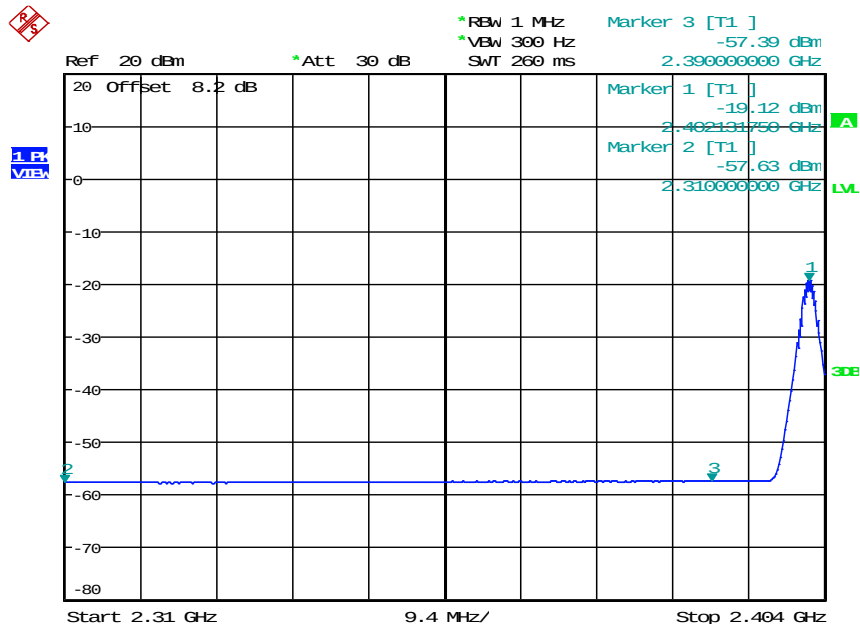
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-47.87	2.0	0	47.39	PEAK	74	PASS
		Ant1	2310.0	-57.63	2.0	0	37.63	AV	54	PASS
		Ant1	2390.0	-48.39	2.0	0	46.87	PEAK	74	PASS
		Ant1	2390.0	-57.39	2.0	0	37.87	AV	54	PASS
	2480	Ant1	2483.5	-41.55	2.0	0	53.71	PEAK	74	PASS
		Ant1	2483.5	-49.30	2.0	0	45.96	AV	54	PASS
		Ant1	2500.0	-47.44	2.0	0	47.82	PEAK	74	PASS
		Ant1	2500.0	-57.97	2.0	0	37.29	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



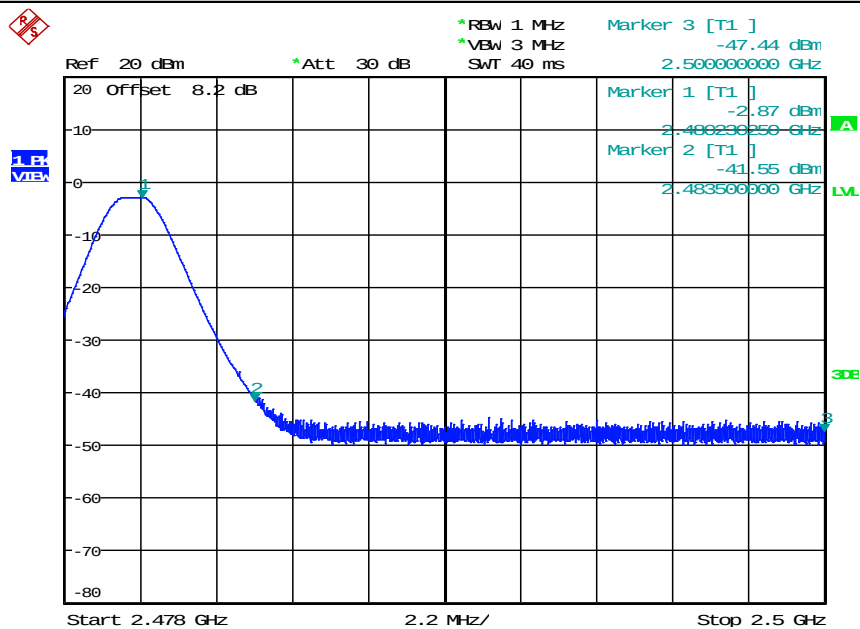
Date: 5.SEP.2019 14:22:17

Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



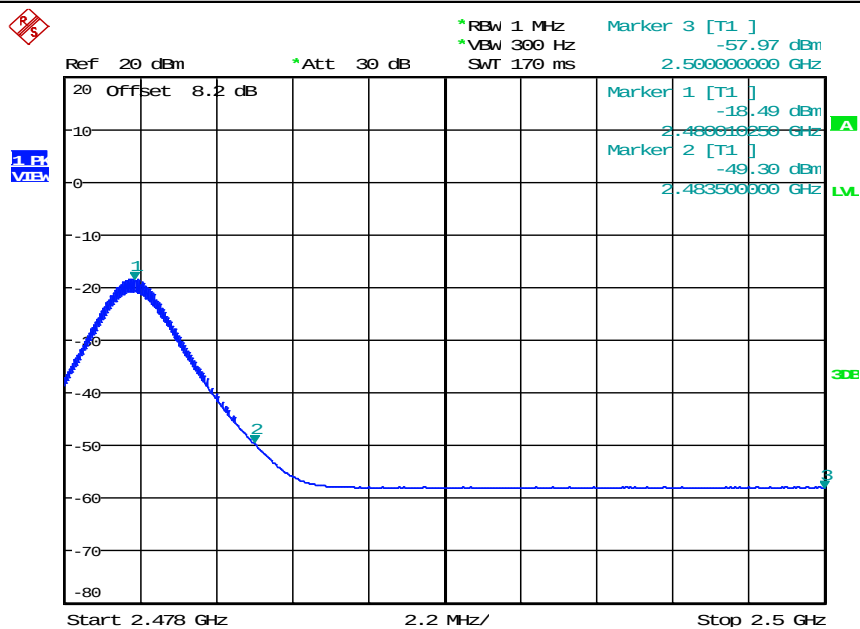
Date: 5.SEP.2019 14:22:32

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 5.SEP.2019 14:27:08

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 5.SEP.2019 14:27:24