

Appendix B

RF Test Data for BT V5.0(BDR/EDR) (Conducted Measurement)

Product Name: Urbanista Athens

Trade Mark: Urbanista

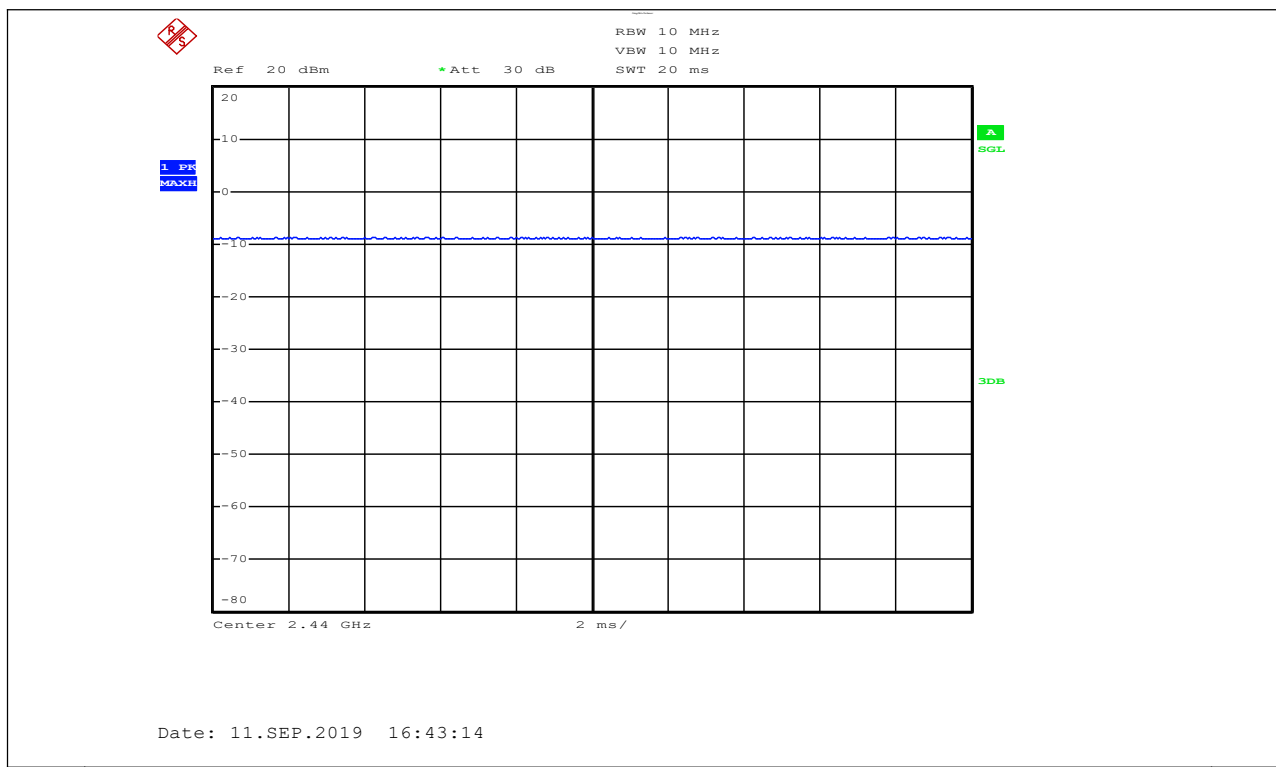
Test Model: Urbanista Athens

Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Wang.Chuang

B.1 Duty Cycle

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

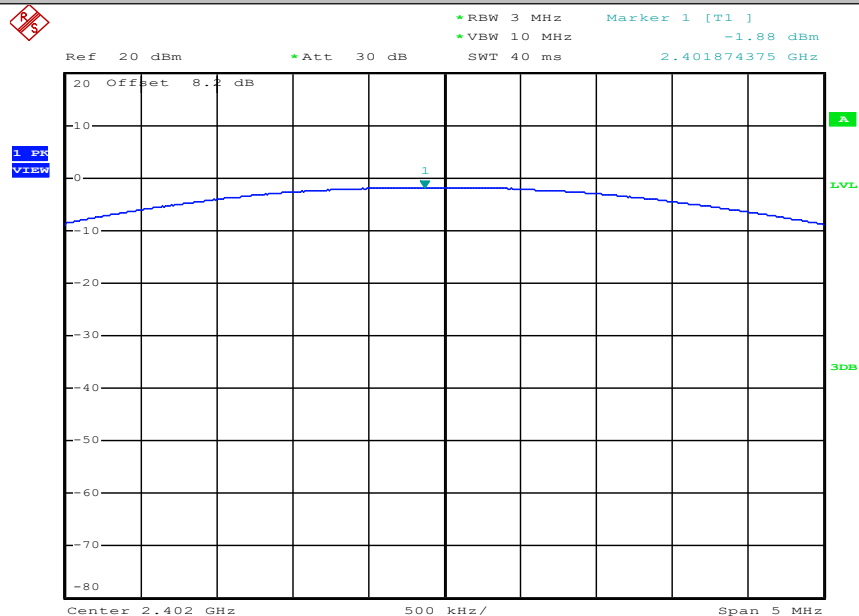


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.88	30	PASS
BT LE	MCH	-0.33	30	PASS
BT LE	HCH	-1.85	30	PASS

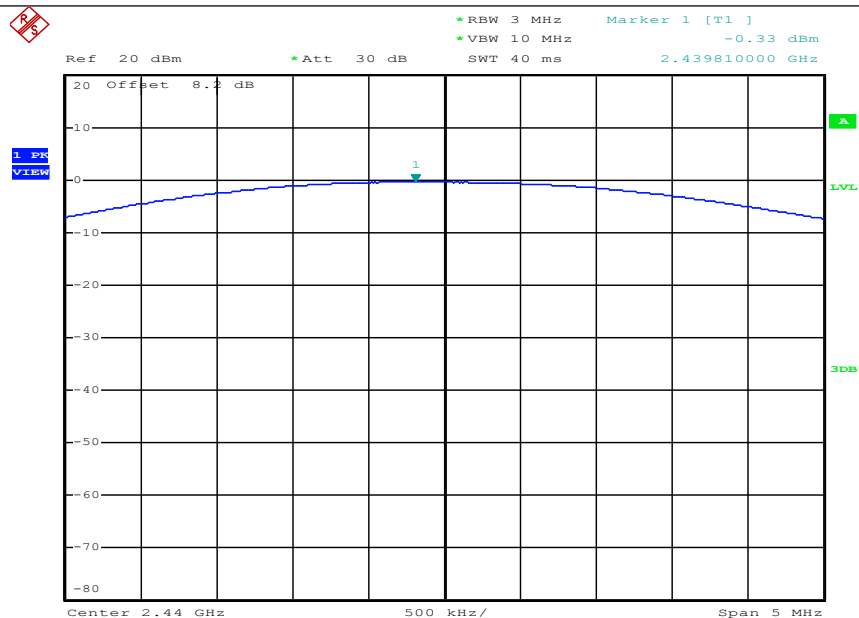
Test Graphs

LCH



Date: 11.SEP.2019 16:36:44

MCH

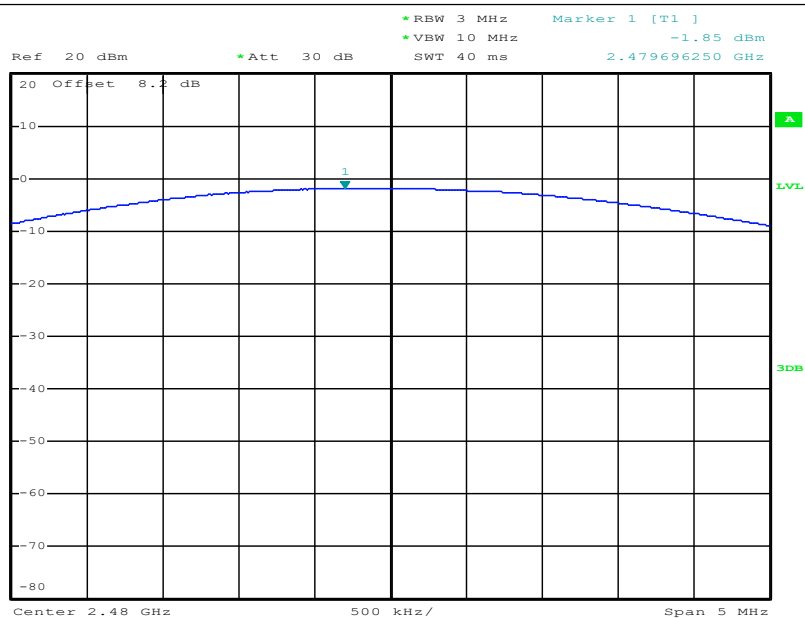


Date: 11.SEP.2019 16:39:19

HCH



1 PR
VIEW



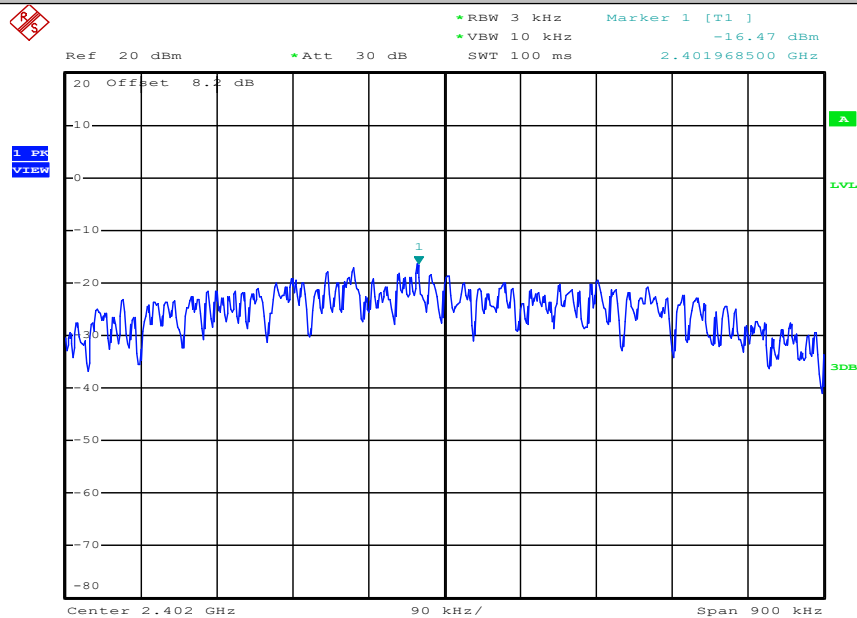
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B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.470	8	PASS
BT LE	MCH	-14.960	8	PASS
BT LE	HCH	-16.640	8	PASS

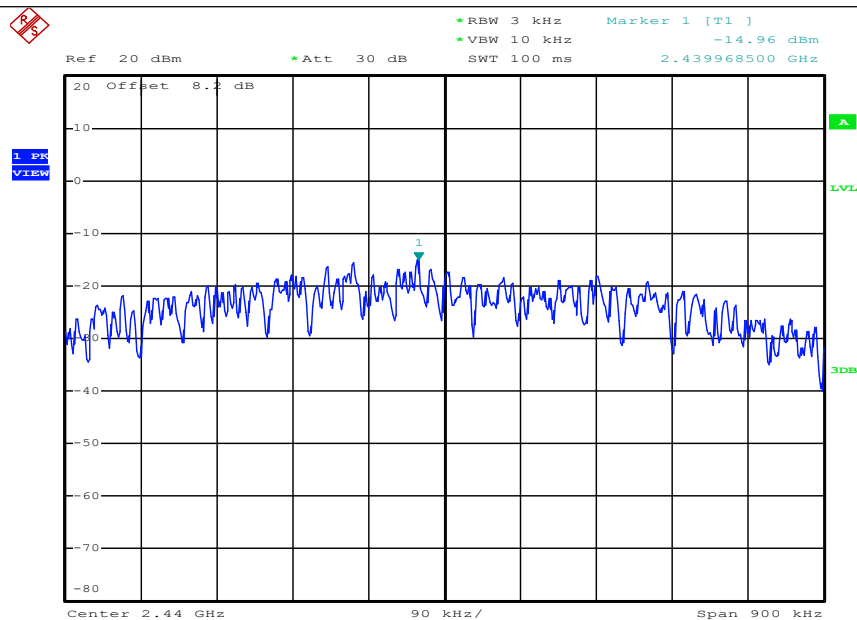
Test Graphs

LCH



Date: 11.SEP.2019 16:37:07

MCH

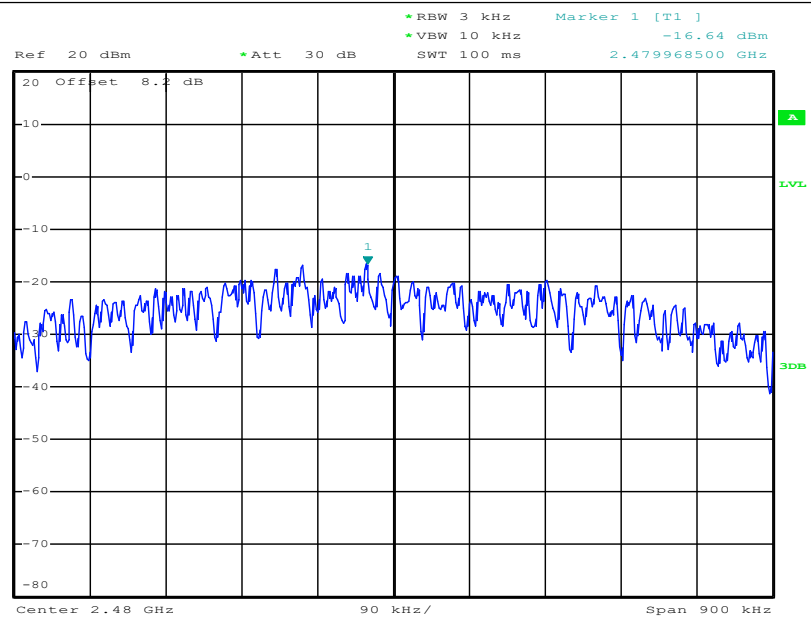


Date: 11.SEP.2019 16:39:35

HCH



1 PR
VIEW



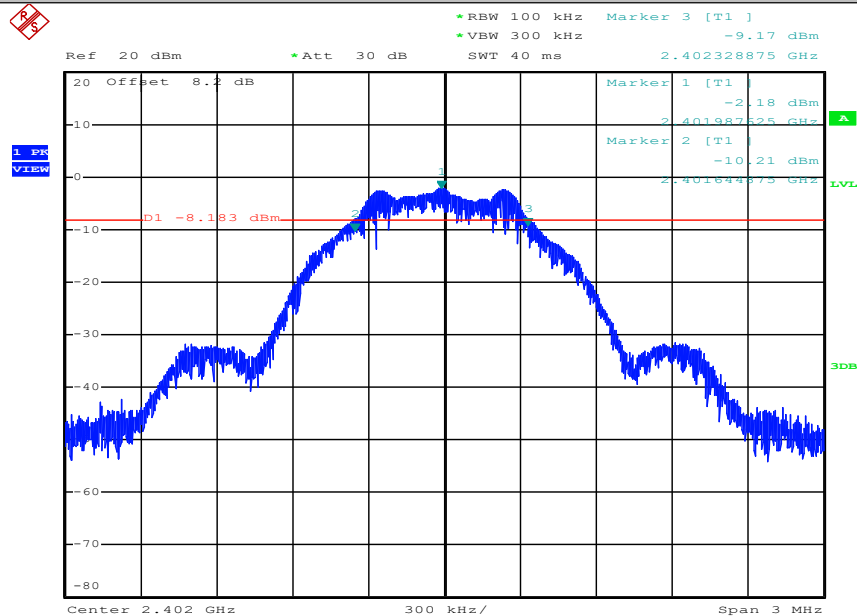
Date: 11.SEP.2019 16:41:18

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.684	≥ 0.5	PASS
BT LE	MCH	0.682	≥ 0.5	PASS
BT LE	HCH	0.677	≥ 0.5	PASS

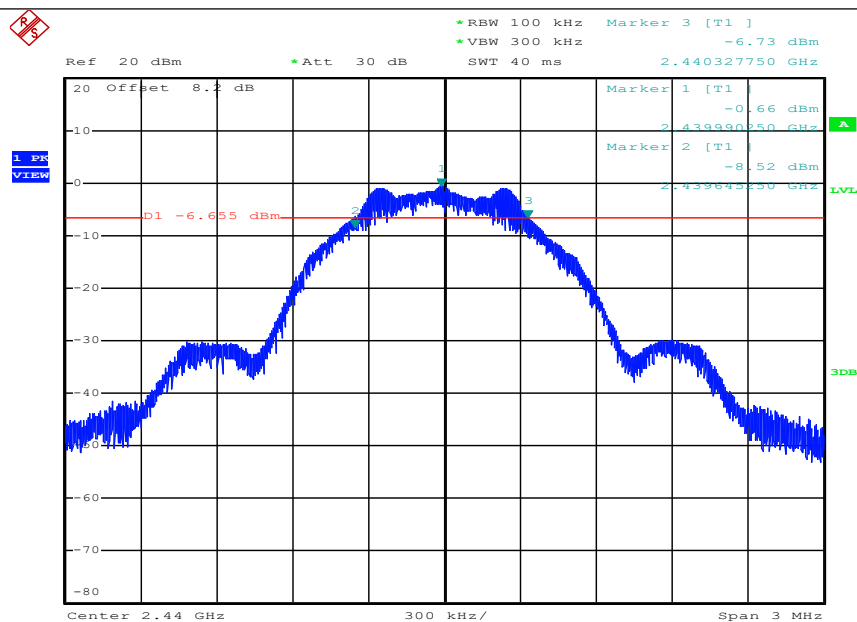
Test Graphs

LCH



Date: 11.SEP.2019 16:36:31

MCH

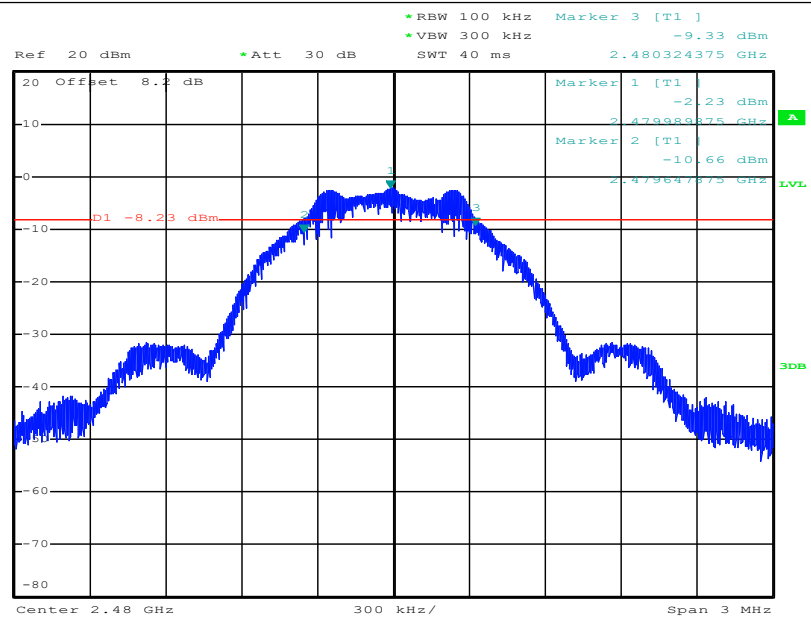


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HCH



1 PR
VIEW



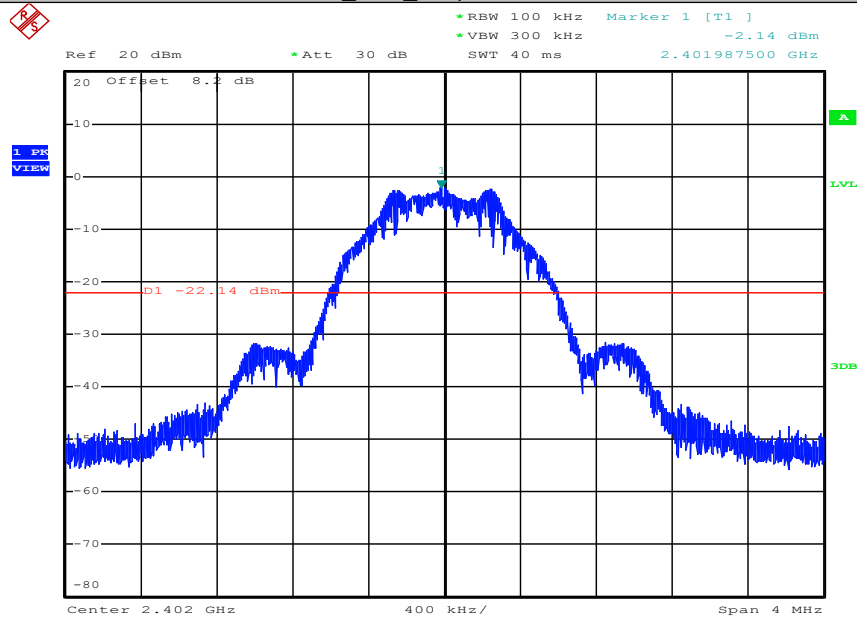
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B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.14	-31.010	-22.140	PASS
BT LE	MCH	-0.7	-30.640	-20.700	PASS
BT LE	HCH	-2.23	-31.290	-22.230	PASS

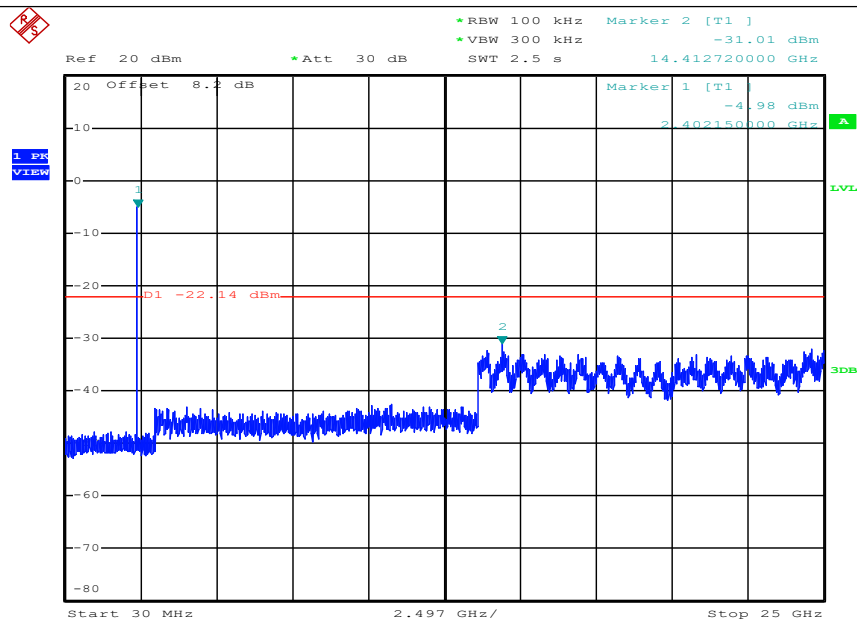
BT LE_LCH_Graphs

Pref/BT LE/LCH



Date: 11.SEP.2019 16:37:33

Puw/BT LE/LCH

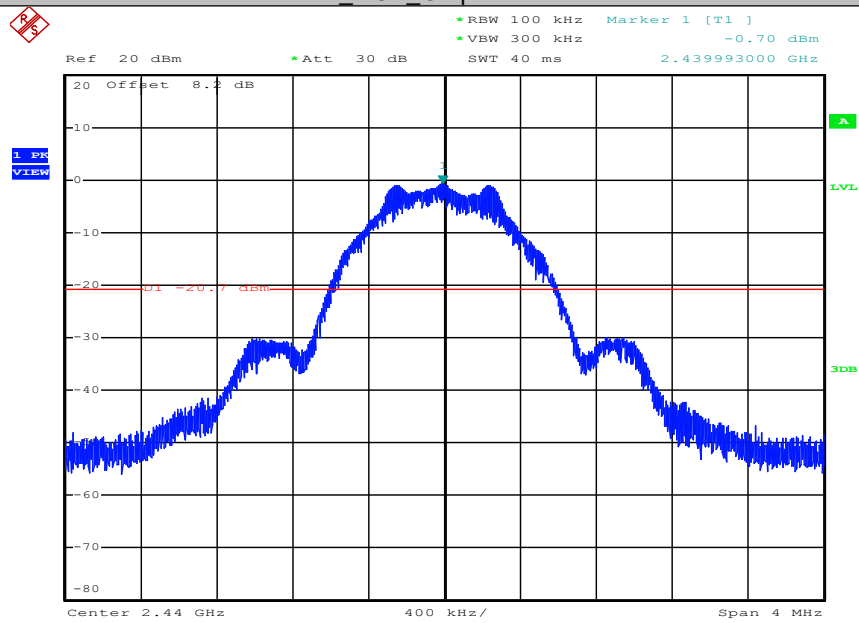


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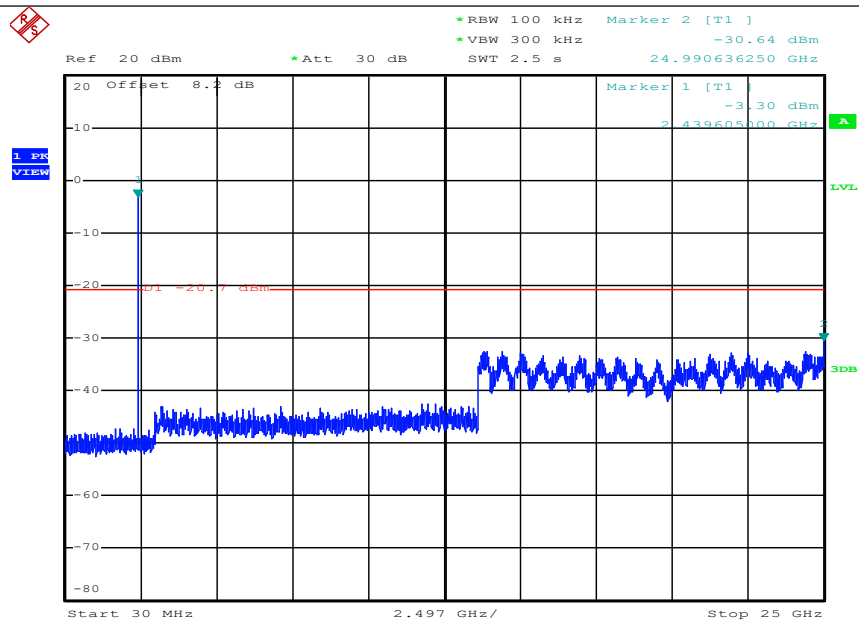
BT LE MCH Graphs

Pref/BT LE/MCH



Date: 11.SEP.2019 16:39:48

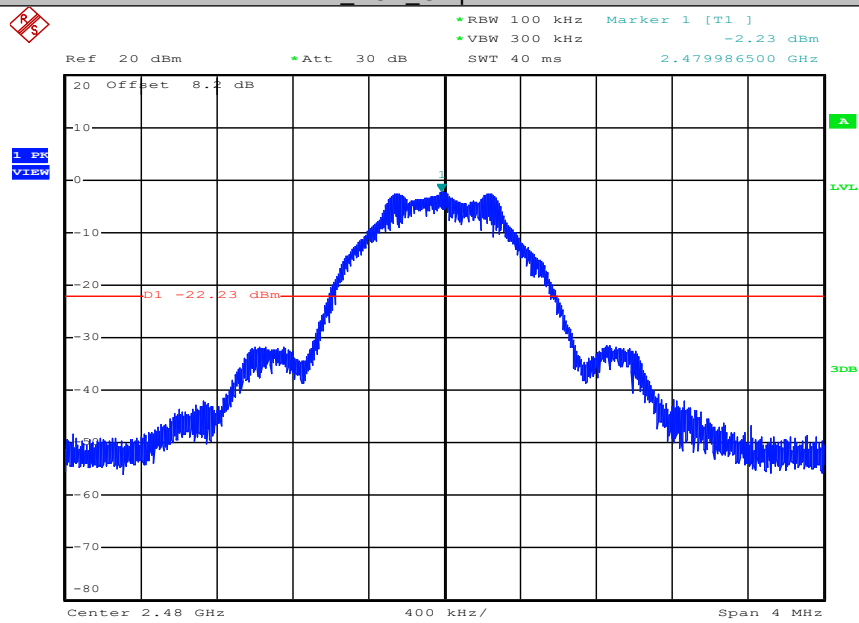
Puw/BT LE/MCH



Date: 11.SEP.2019 16:40:18

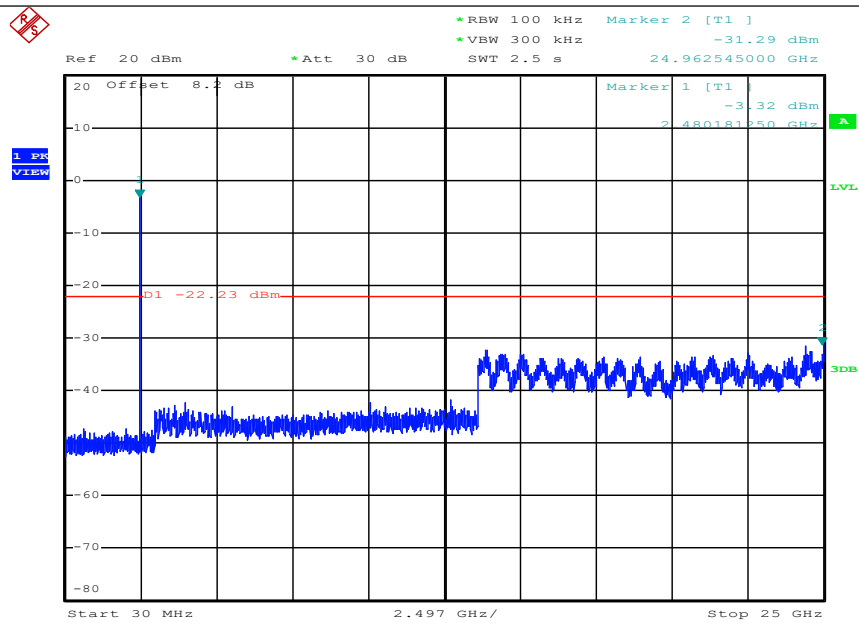
BT LE_HCH_Graphs

Pref/BT LE/HCH



Date: 11.SEP.2019 16:41:44

Puw/BT LE/HCH



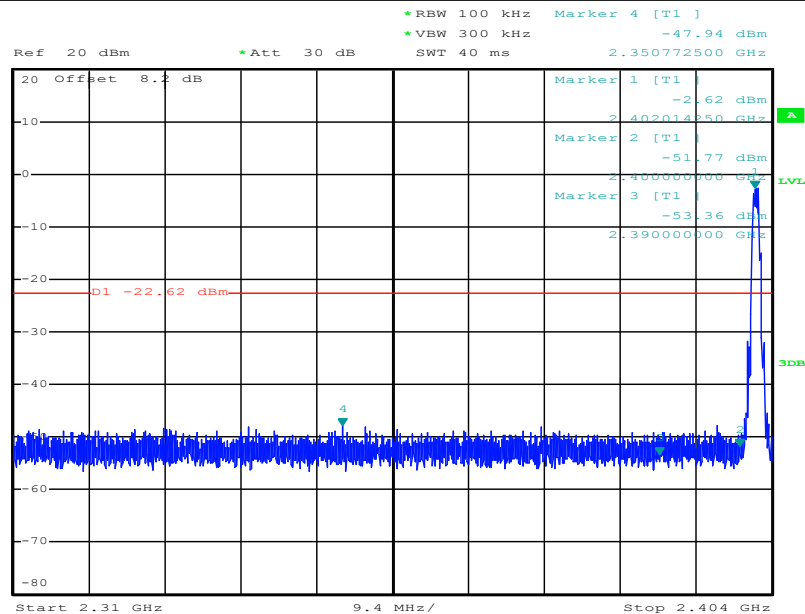
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B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.620	-47.938	-22.62	PASS
BT LE	HCH	-2.330	-47.929	-22.33	PASS

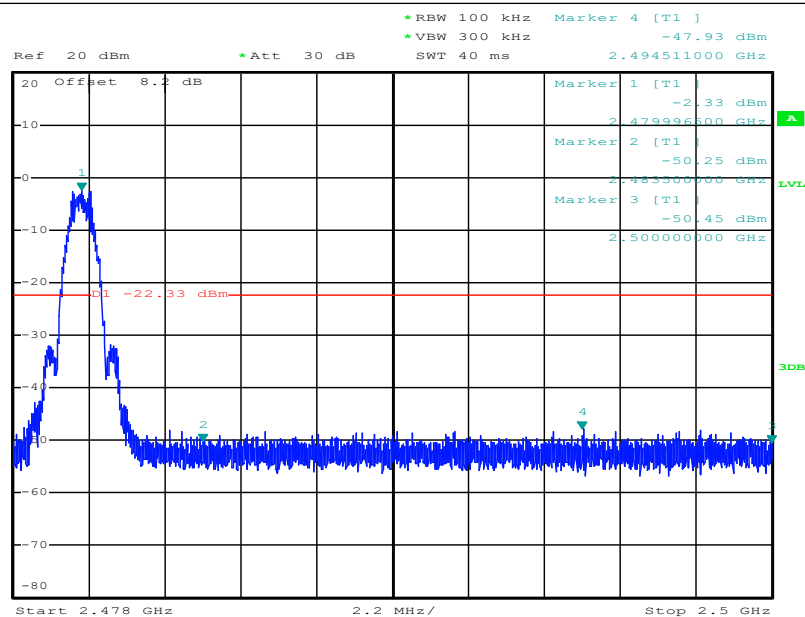
Test Graphs

LCH

1 PR
VIEW

Date: 11.SEP.2019 16:37:20

HCH

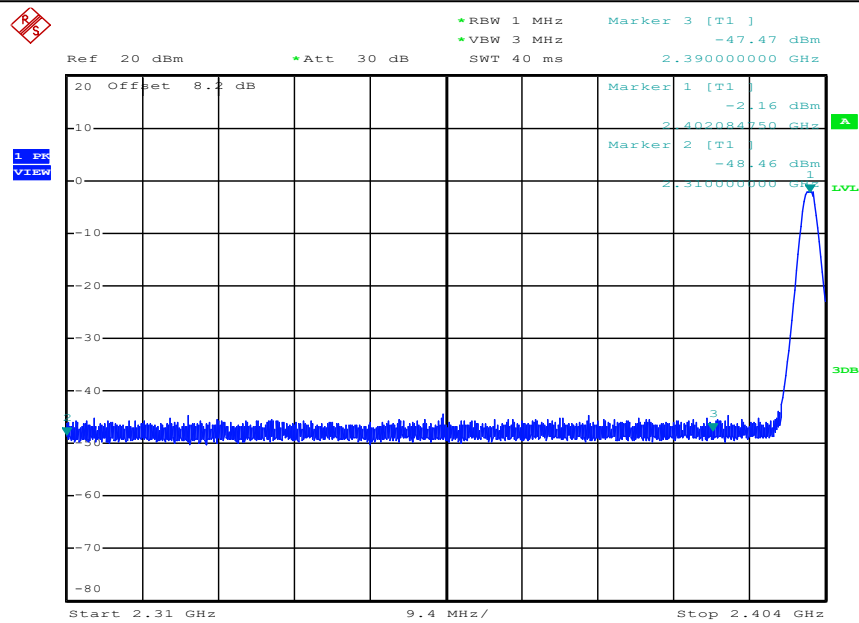
1 PR
VIEW

Date: 11.SEP.2019 16:41:31

B.7 Restrict-band band-edge measurements

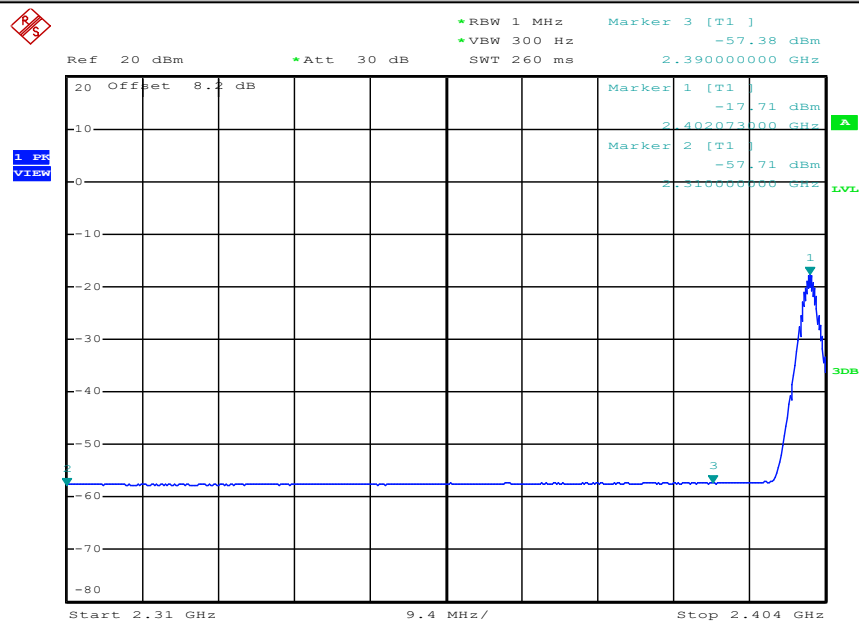
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-48.46	2.0	0	47.30	PEAK	74	PASS
		Ant1	2310.0	-57.71	2.0	0	38.05	AV	54	PASS
		Ant1	2390.0	-47.47	2.0	0	48.29	PEAK	74	PASS
		Ant1	2390.0	-57.38	2.0	0	38.38	AV	54	PASS
	2480	Ant1	2483.5	-40.24	2.0	0	55.52	PEAK	74	PASS
		Ant1	2483.5	-48.90	2.0	0	46.86	AV	54	PASS
		Ant1	2500.0	-48.35	2.0	0	47.41	PEAK	74	PASS
		Ant1	2500.0	-58.04	2.0	0	37.72	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



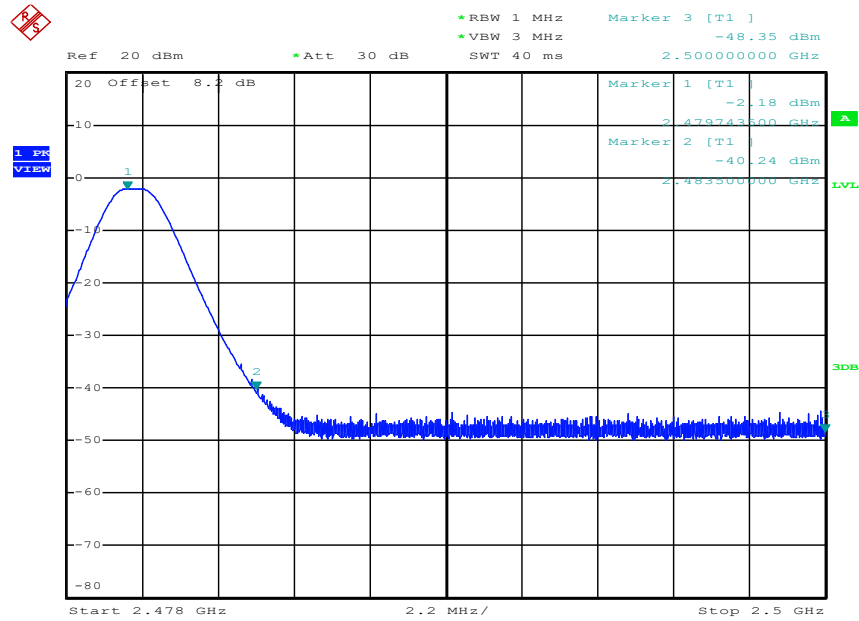
Date: 11.SEP.2019 16:38:23

Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



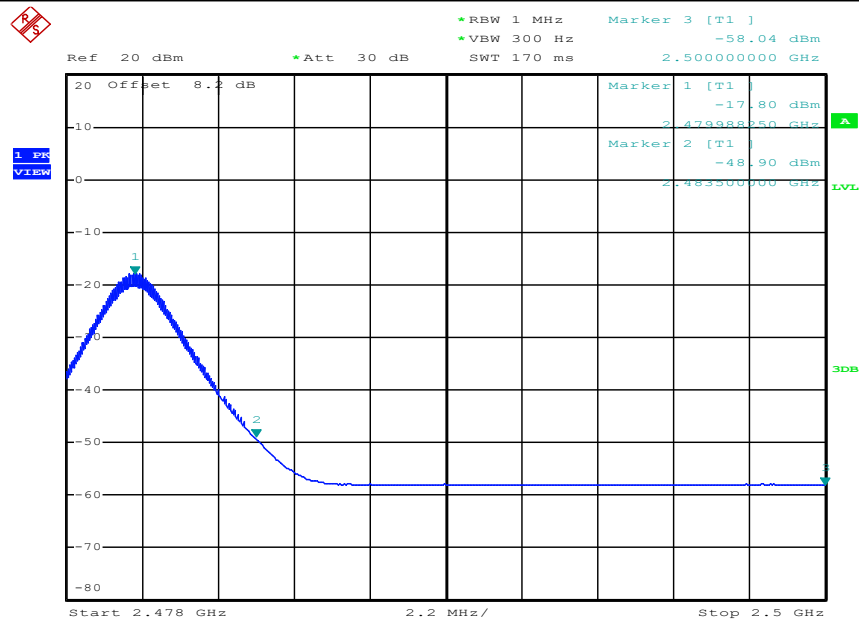
Date: 11.SEP.2019 16:38:38

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 11.SEP.2019 16:42:34

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 11.SEP.2019 16:42:49