

Appendix A

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

Product Name: Nexersys Console

Trade Mark: Nexersys

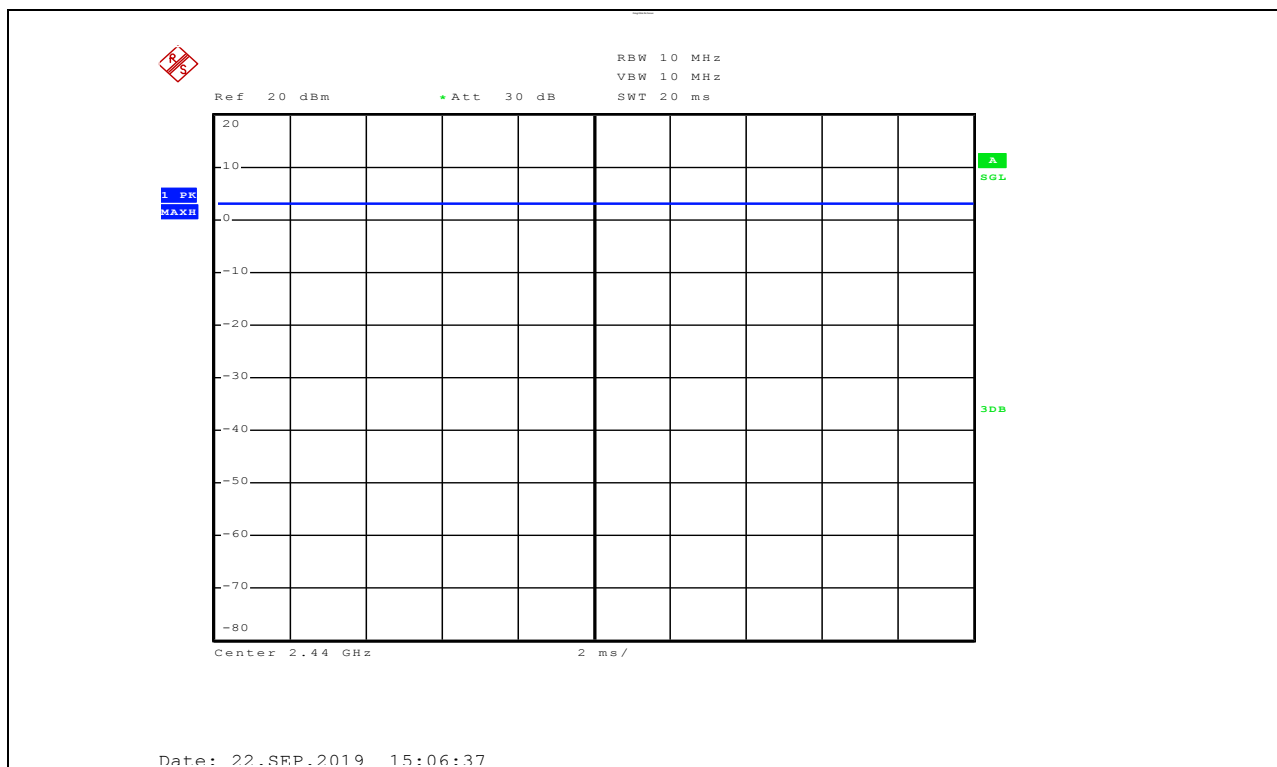
Test Model: NXST22

Environmental Conditions

Temperature:	24.7 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Wang Chuang

A.1 Duty Cycle

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

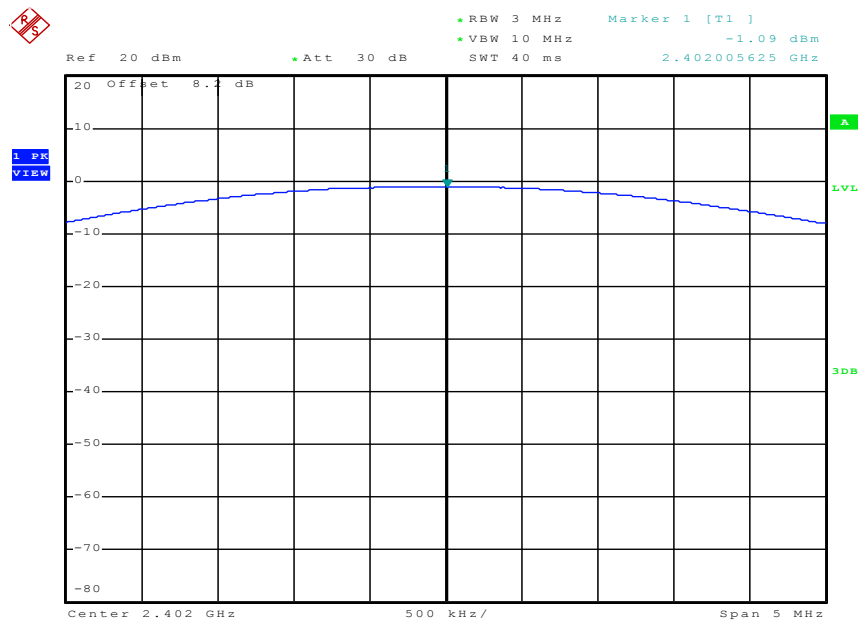


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.09	30	PASS
BT LE	MCH	-2.13	30	PASS
BT LE	HCH	-3.68	30	PASS

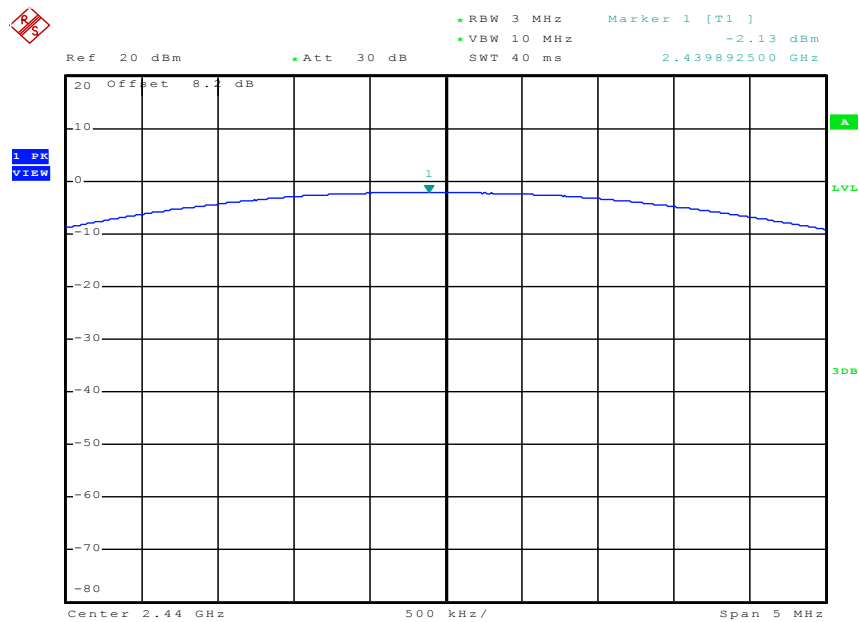
Test Graphs

LCH



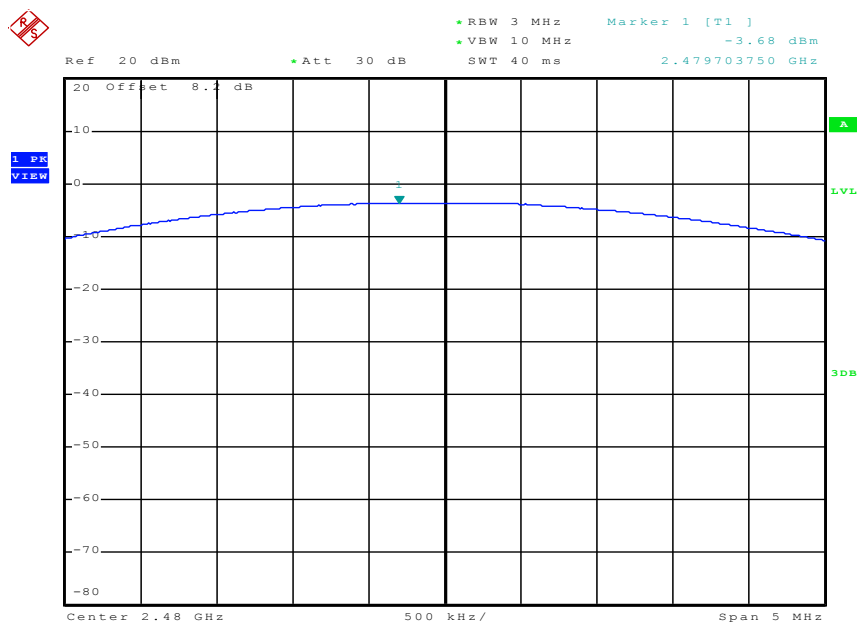
Date: 22 SEP 2019 14:59:10

MCH



Date: 22 SEP 2019 15:02:12

HCH



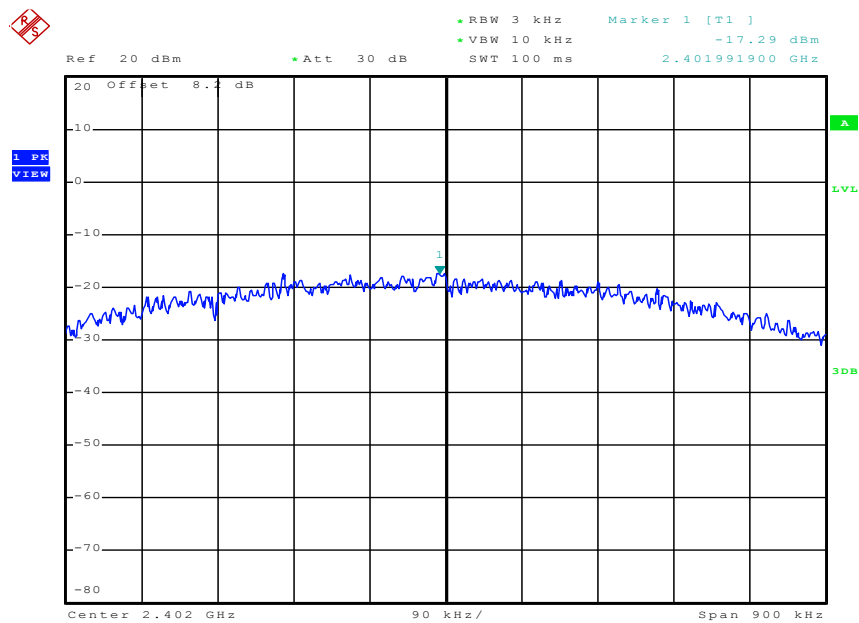
Date: 22.SEP.2019 15:04:08

A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.290	8	PASS
BT LE	MCH	-17.850	8	PASS
BT LE	HCH	-19.600	8	PASS

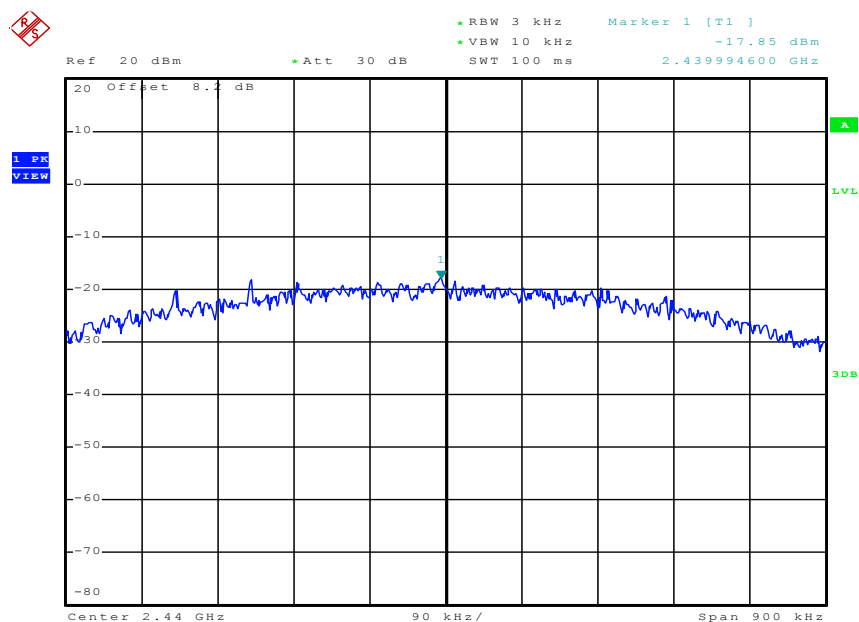
Test Graphs

LCH



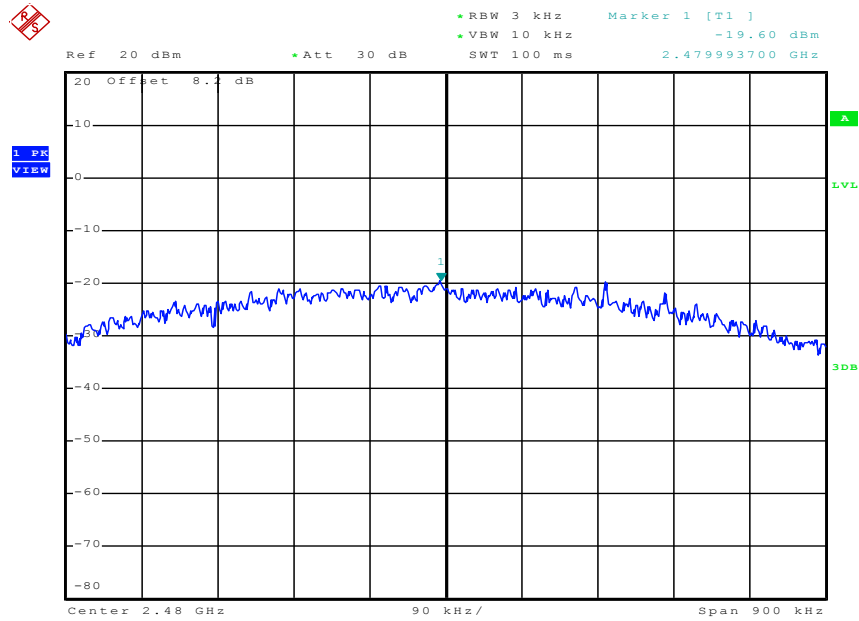
Date: 22 SEP 2019 14:59:27

MCH



Date: 22 SEP 2019 15:02:28

HCH



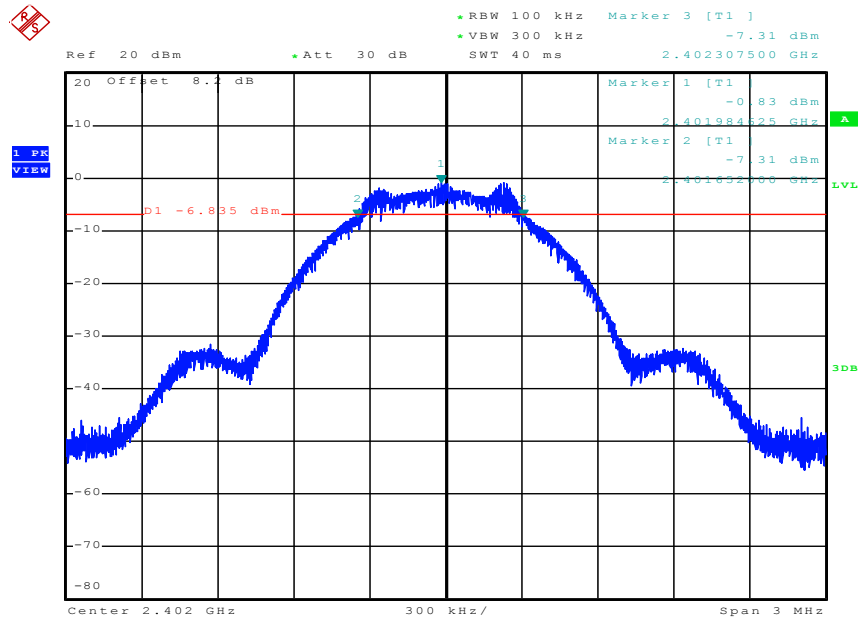
Date: 22.SEP.2019 15:04:25

A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.655	≥ 0.5	PASS
BT LE	MCH	0.656	≥ 0.5	PASS
BT LE	HCH	0.656	≥ 0.5	PASS

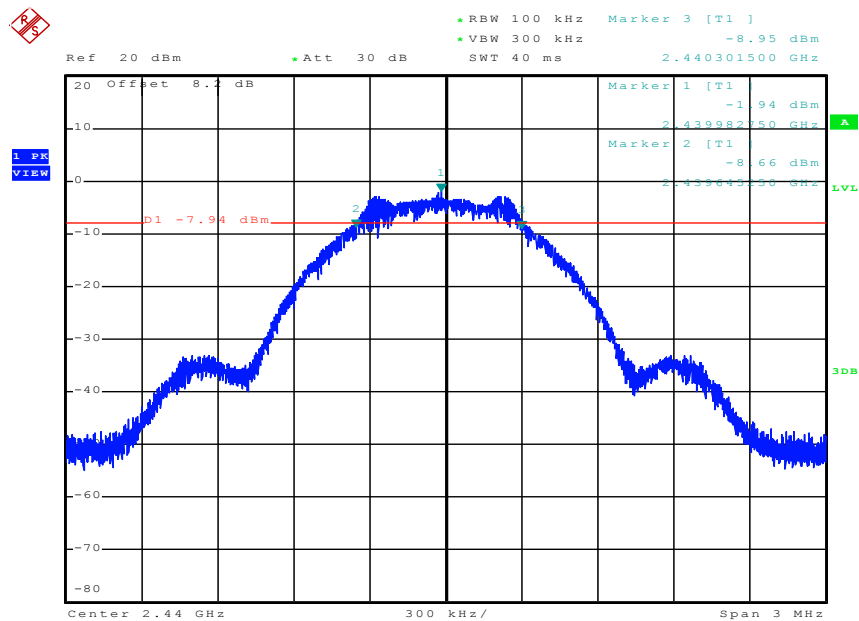
Test Graphs

LCH



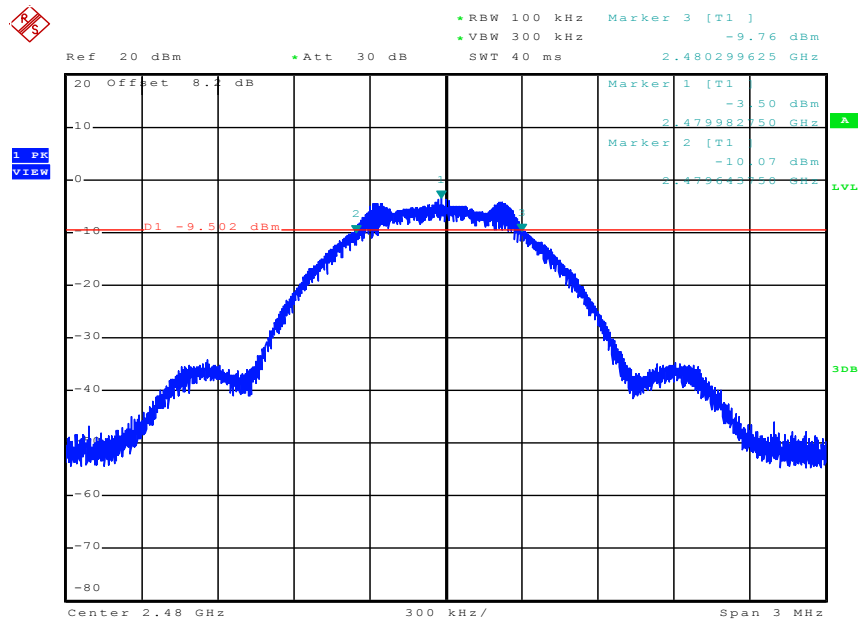
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MCH



Date: 22 SEP 2019 15:01:59

HCH



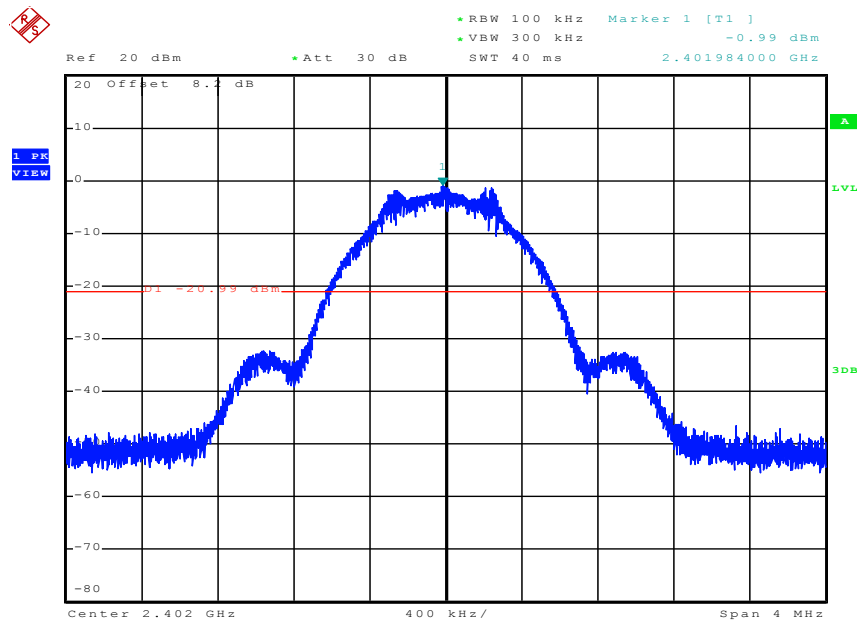
Date: 22 SEP 2019 15:03:56

A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.99	-31.370	-20.990	PASS
BT LE	MCH	-2.53	-31.080	-22.530	PASS
BT LE	HCH	-3.49	-31.170	-23.490	PASS

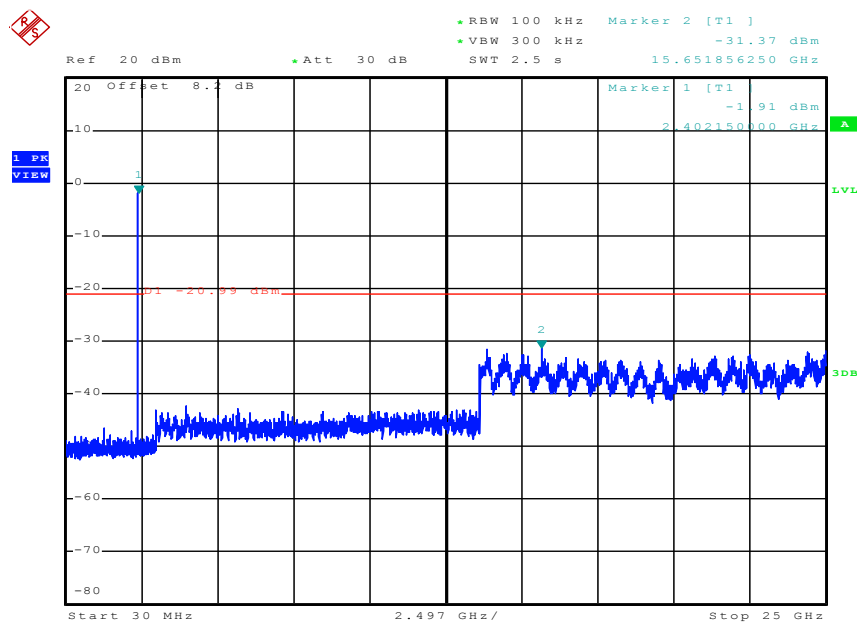
BT LE LCH Graphs

Pref/BT LE/LCH



Date: 22 SEP 2019 14:59:52

Puw/BT LE/LCH

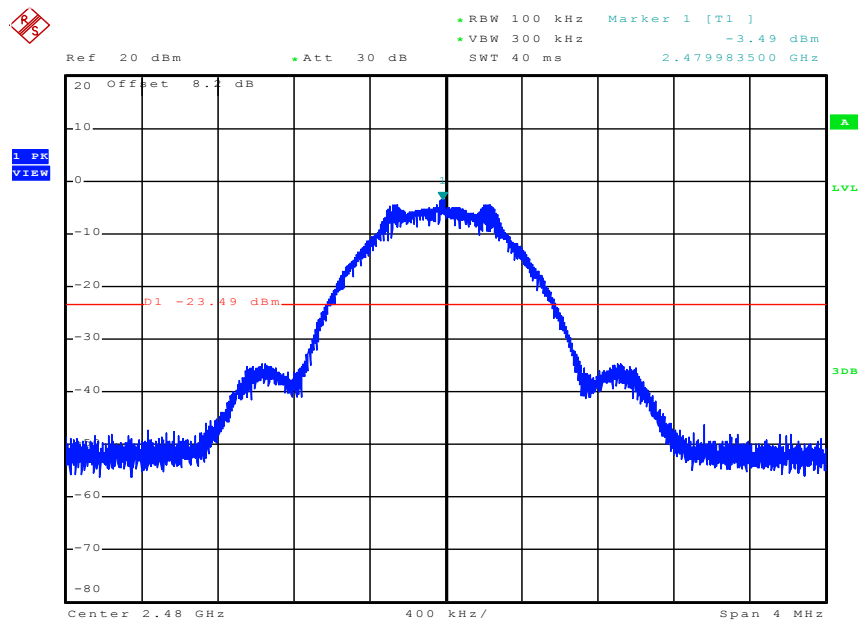


Date: 22 SEP 2019 15:00:23

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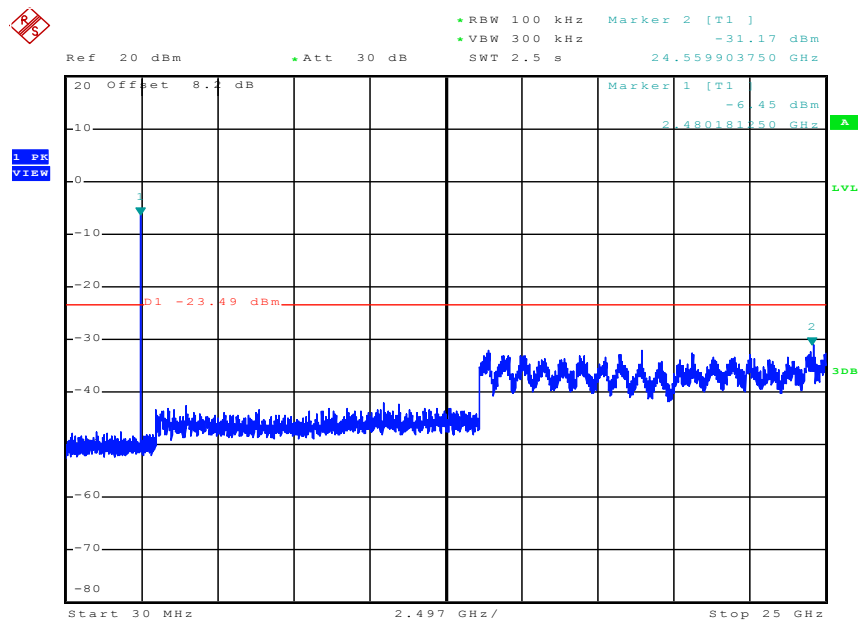
BT LE_HCH_Graphs

Pref/BT LE/HCH



Date: 22 SEP 2019 15:04:51

Puw/BT LE/HCH



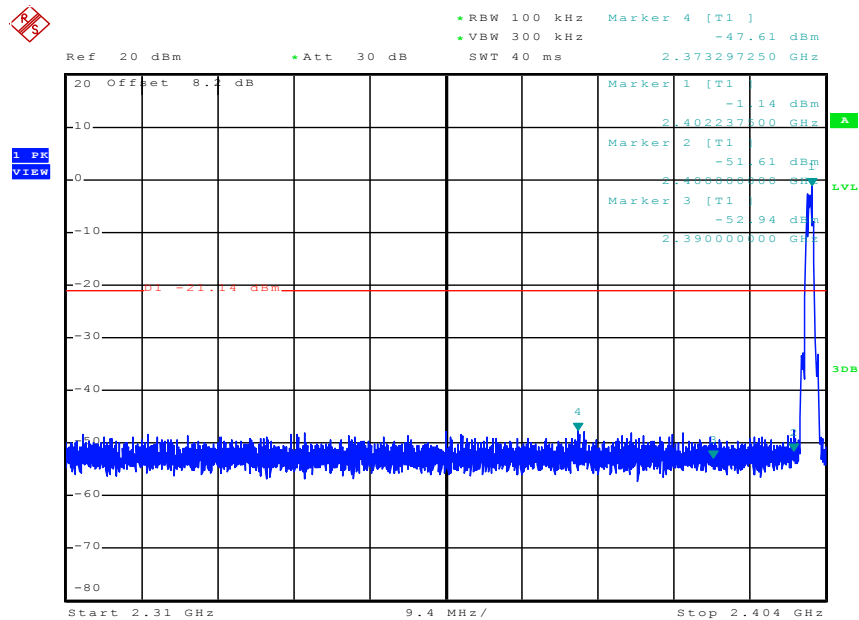
Date: 22.SEP.2019 15:05:21

A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.140	-47.609	-21.14	PASS
BT LE	HCH	-4.480	-48.253	-24.48	PASS

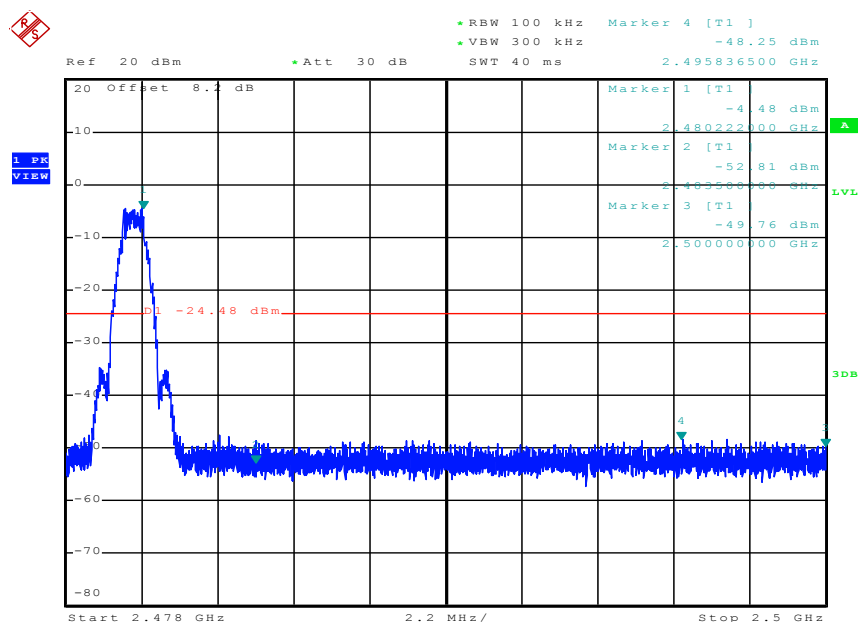
Test Graphs

LCH



Date: 22.SEP.2019 14:59:40

HCH

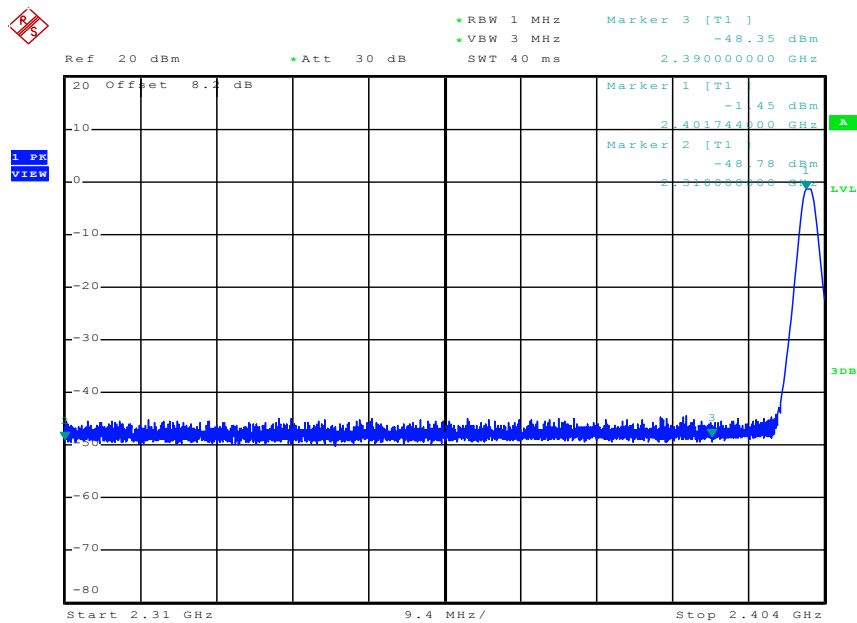


Date: 22.SEP.2019 15:04:38

A.7 Restrict-band band-edge measurements

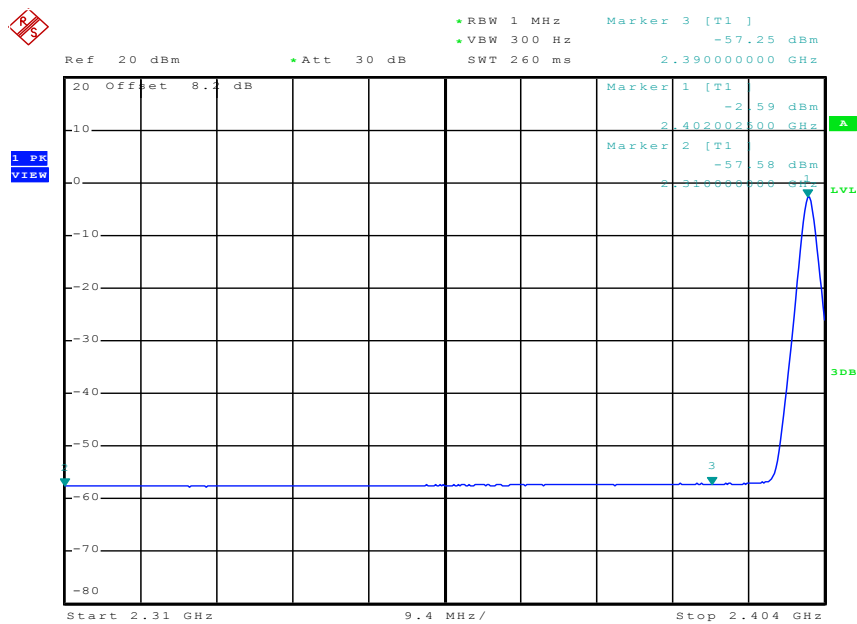
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-48.78	2.0	0	48.48	PEAK	74	PASS
		Ant1	2310.0	-57.58	2.0	0	39.68	AV	54	PASS
		Ant1	2390.0	-48.35	2.0	0	48.91	PEAK	74	PASS
		Ant1	2390.0	-57.25	2.0	0	40.01	AV	54	PASS
	2480	Ant1	2483.5	-41.60	2.0	0	55.66	PEAK	74	PASS
		Ant1	2483.5	-46.81	2.0	0	50.45	AV	54	PASS
		Ant1	2500.0	-48.27	2.0	0	48.99	PEAK	74	PASS
		Ant1	2500.0	-57.95	2.0	0	39.31	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



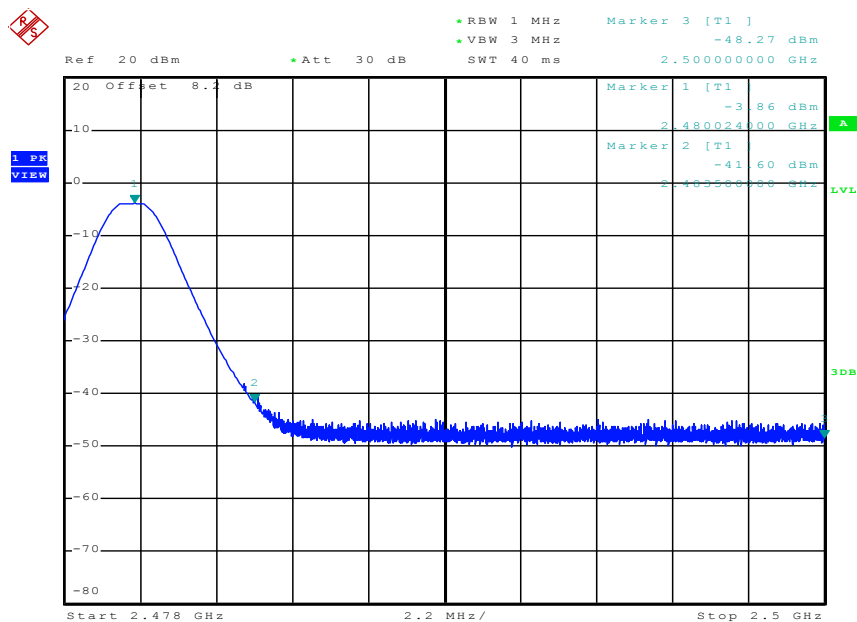
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Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



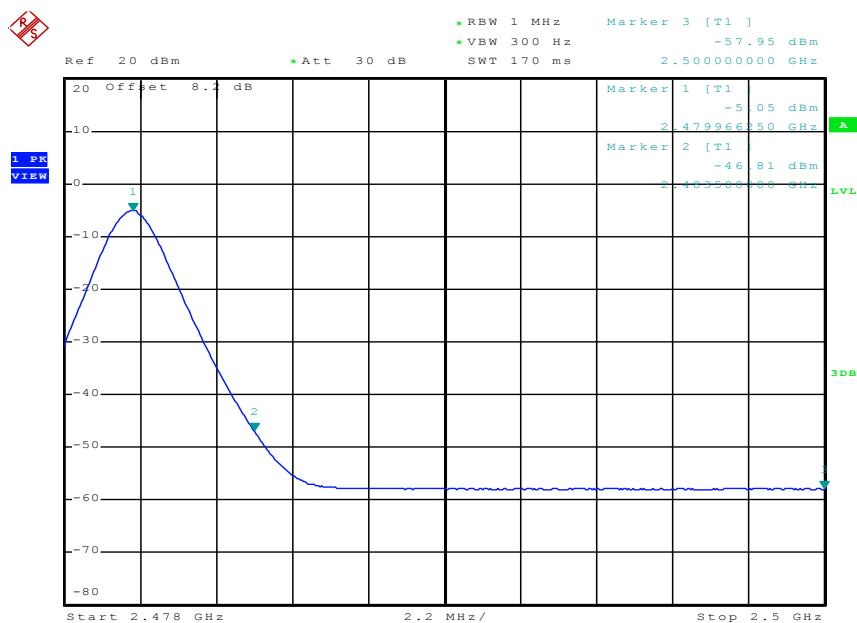
Date: 22.SEP.2019 15:00:57

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 22.SEP.2019 15:05:40

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 22.SEP.2019 15:05:55