

Appendix B

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: FUNDIAN

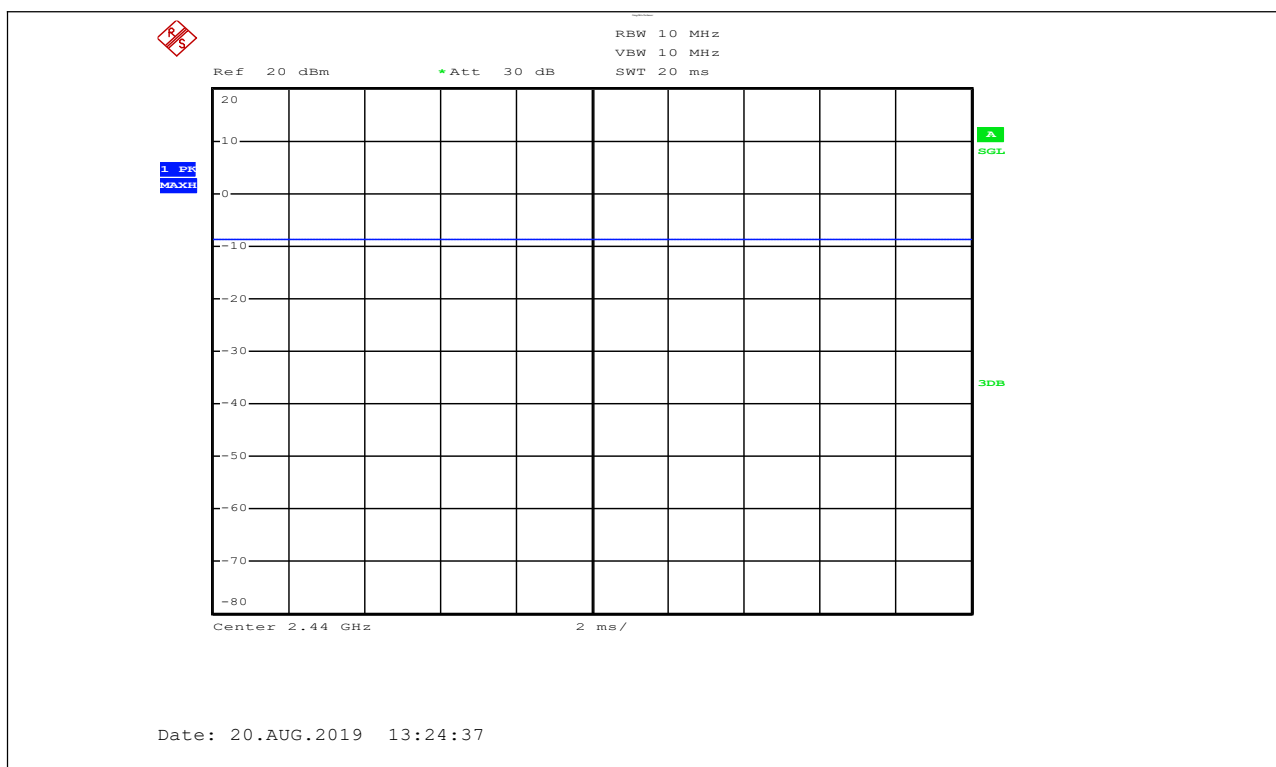
Test Model: PV-K01

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	JK ZHOU
Supervised by:	Wang.Chuang

B.1 Duty Cycle

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

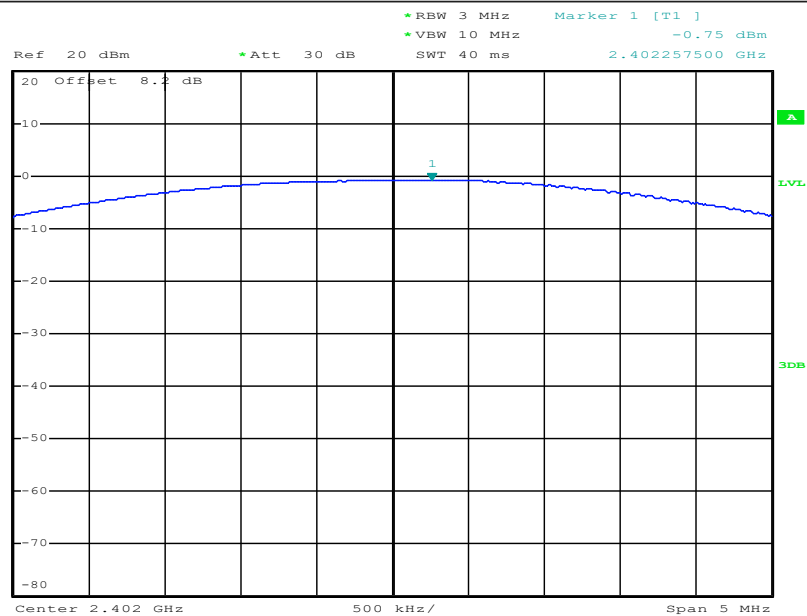


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.75	30	PASS
BT LE	MCH	-0.23	30	PASS
BT LE	HCH	-0.85	30	PASS

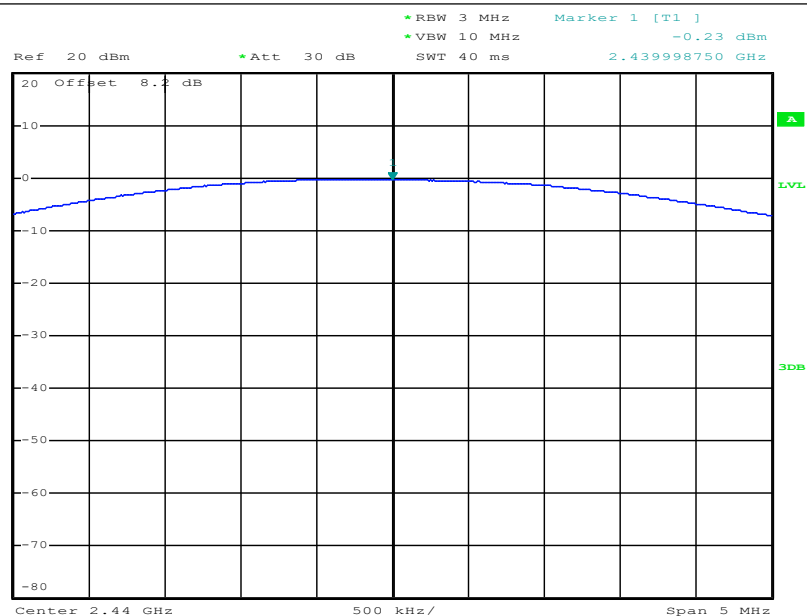
Test Graphs

LCH

1 PK
VIEW

Date: 20.AUG.2019 13:13:24

MCH

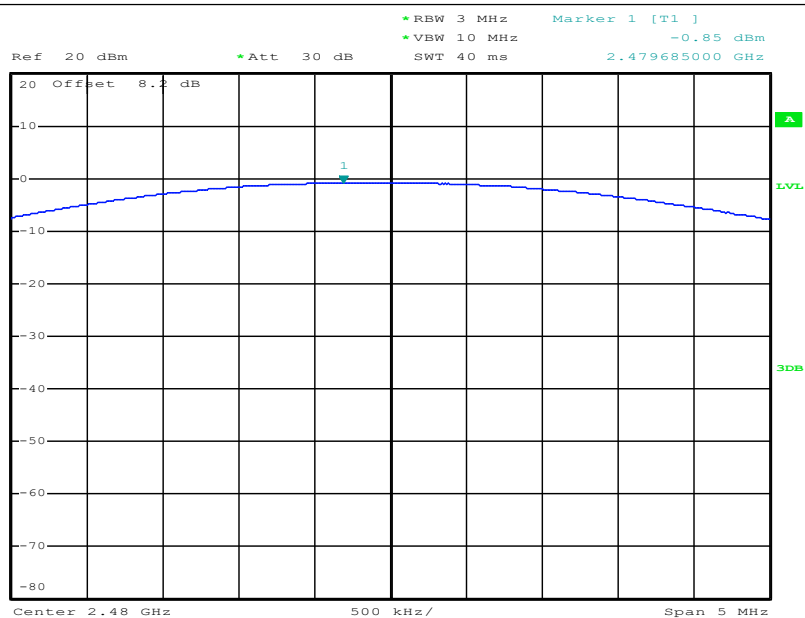
1 PK
VIEW

Date: 20.AUG.2019 13:20:20

HCH



1 PR
VIEW



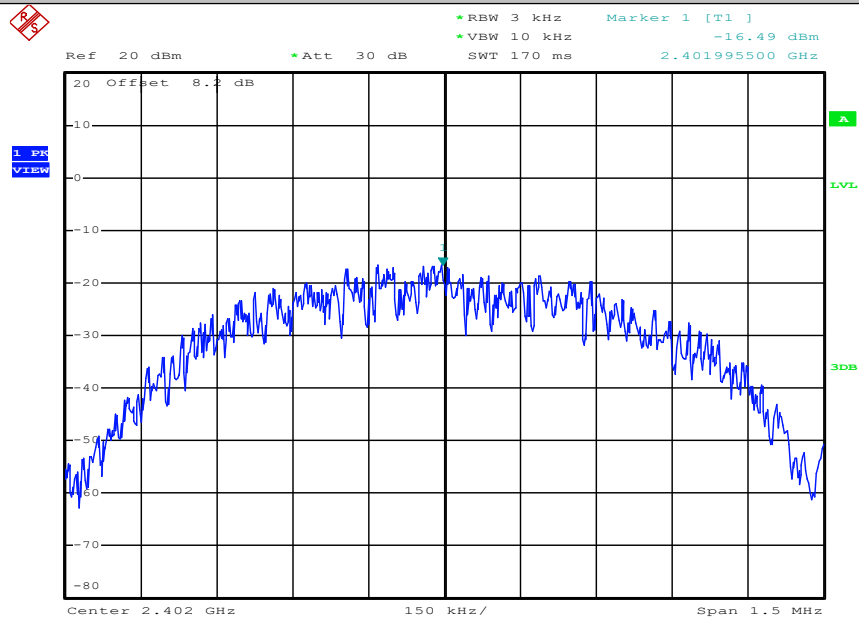
Date: 20.AUG.2019 13:22:08

B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.490	8	PASS
BT LE	MCH	-15.900	8	PASS
BT LE	HCH	-16.270	8	PASS

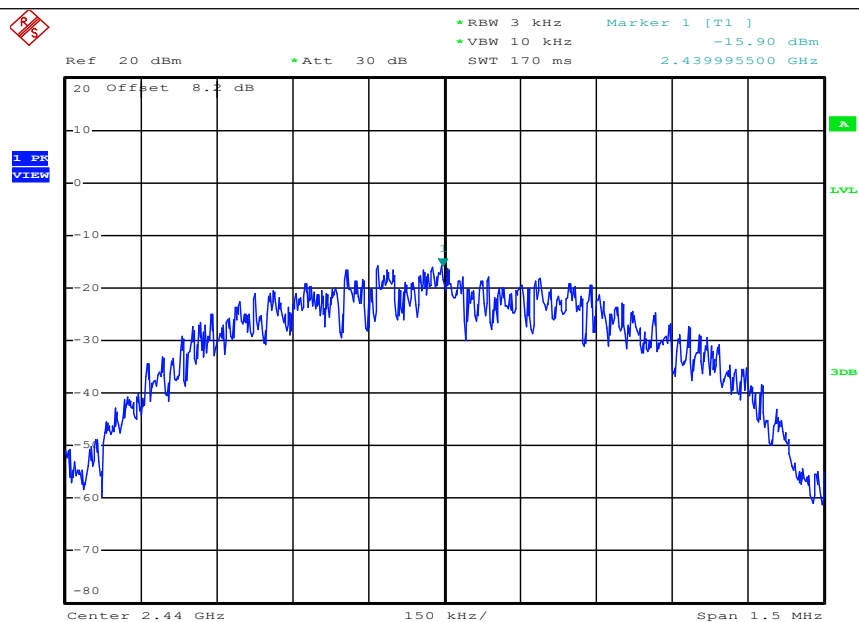
Test Graphs

LCH



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MCH

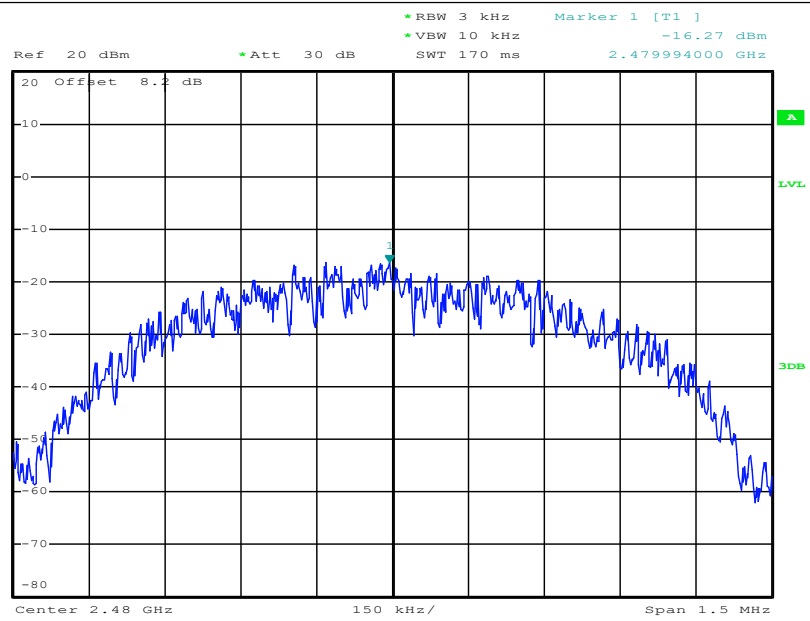


Date: 20.AUG.2019 13:20:35

HCH



1 PR
VIEW



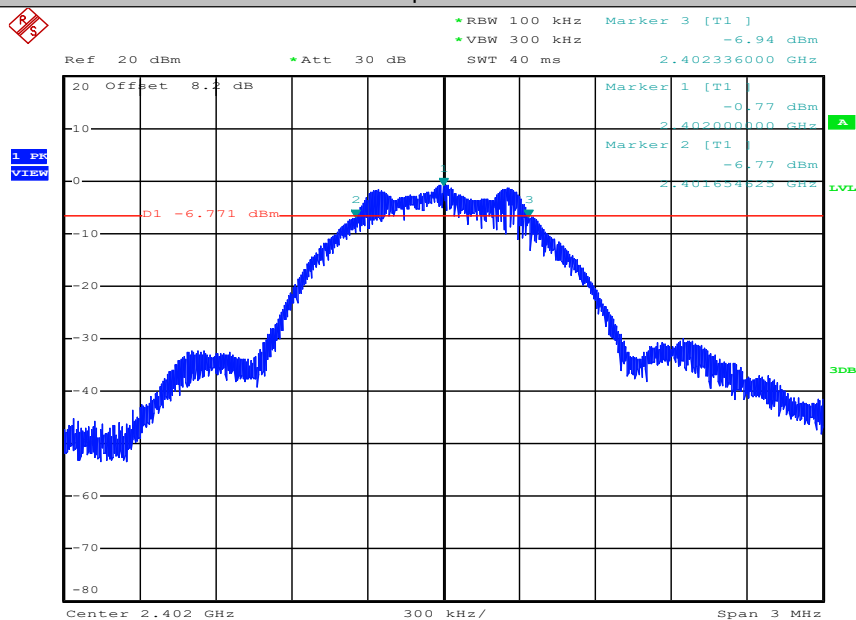
Date: 20.AUG.2019 13:22:22

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.681	≥ 0.5	PASS
BT LE	MCH	0.686	≥ 0.5	PASS
BT LE	HCH	0.683	≥ 0.5	PASS

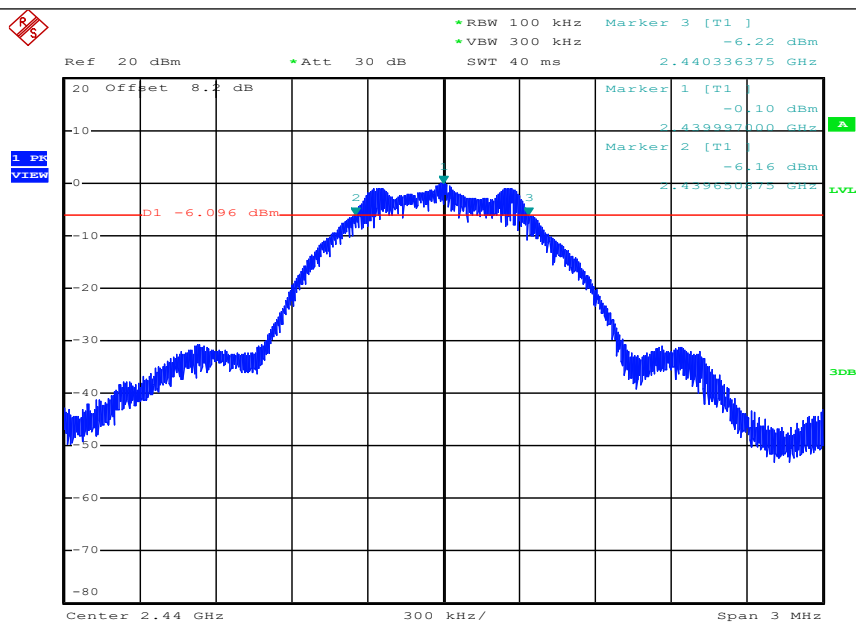
Test Graphs

LCH



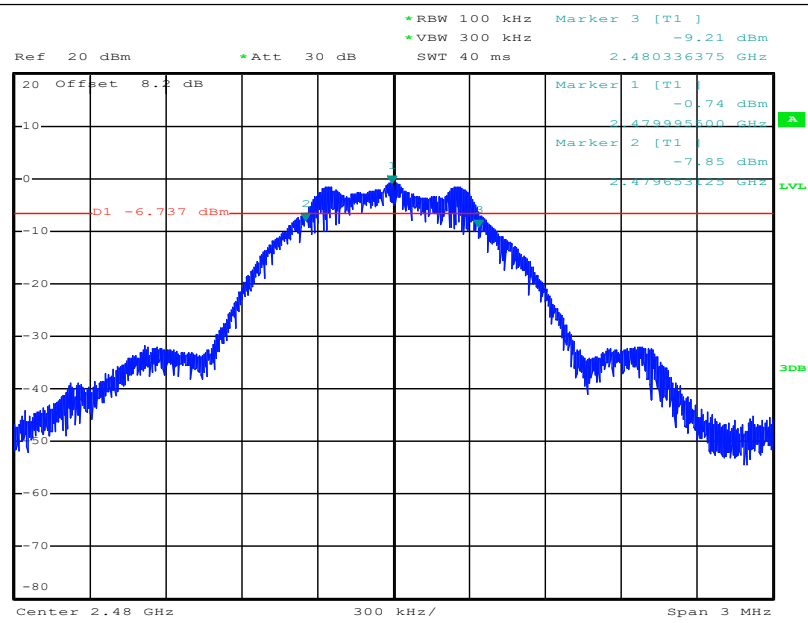
Date: 20.AUG.2019 13:13:11

MCH



Date: 20.AUG.2019 13:20:08

HCH

1 PR
VIEW

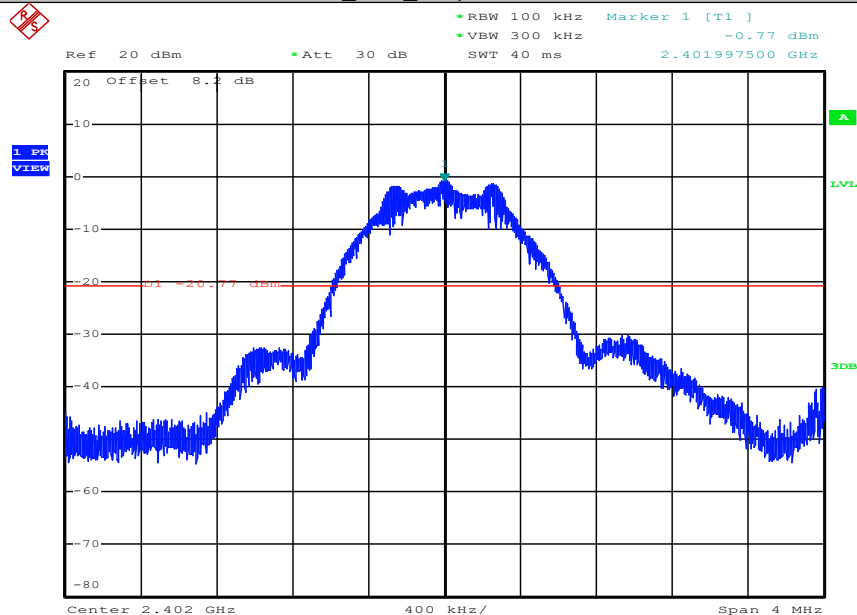
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B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.77	-31.430	-20.770	PASS
BT LE	MCH	-0.17	-30.990	-20.170	PASS
BT LE	HCH	-0.66	-31.590	-20.660	PASS

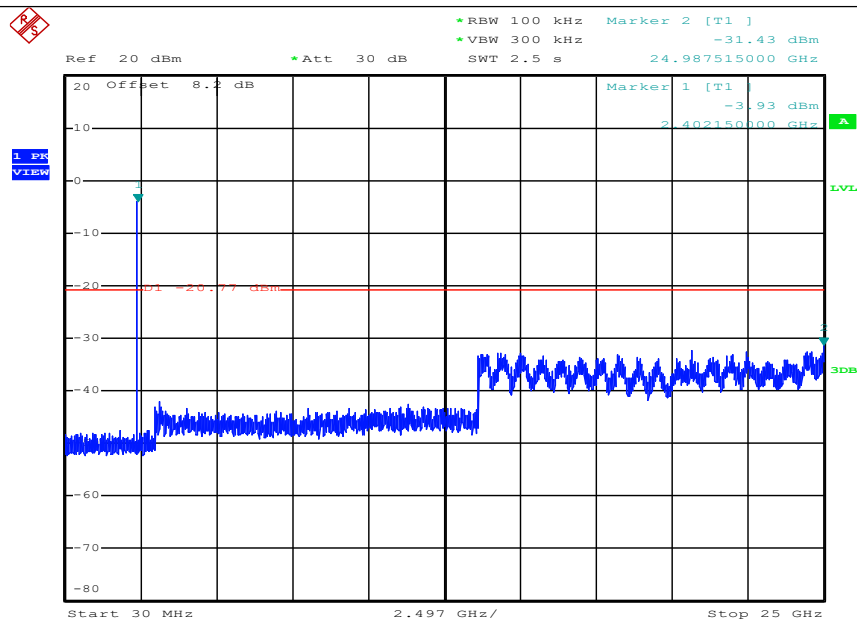
BT LE_LCH_Graphs

Pref/BT LE/LCH



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Puw/BT LE/LCH

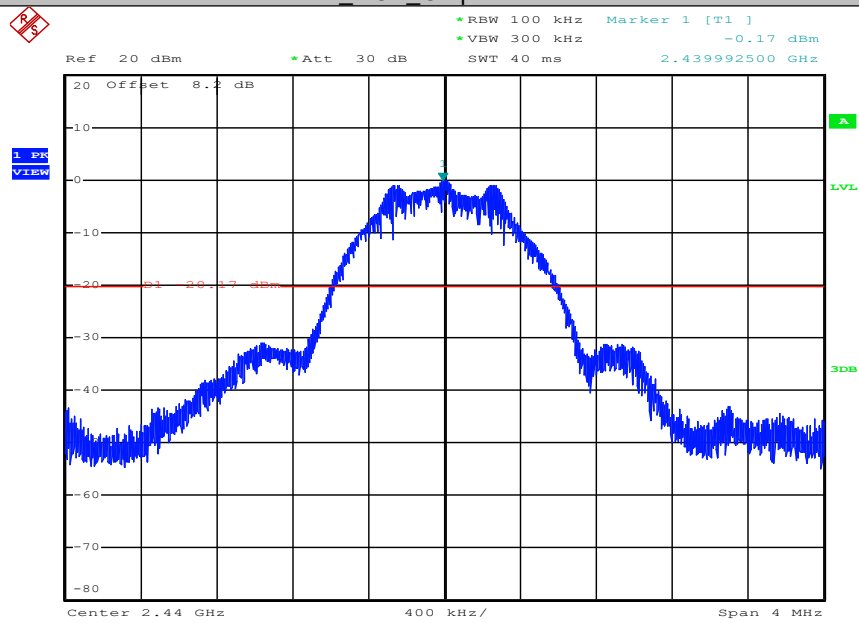


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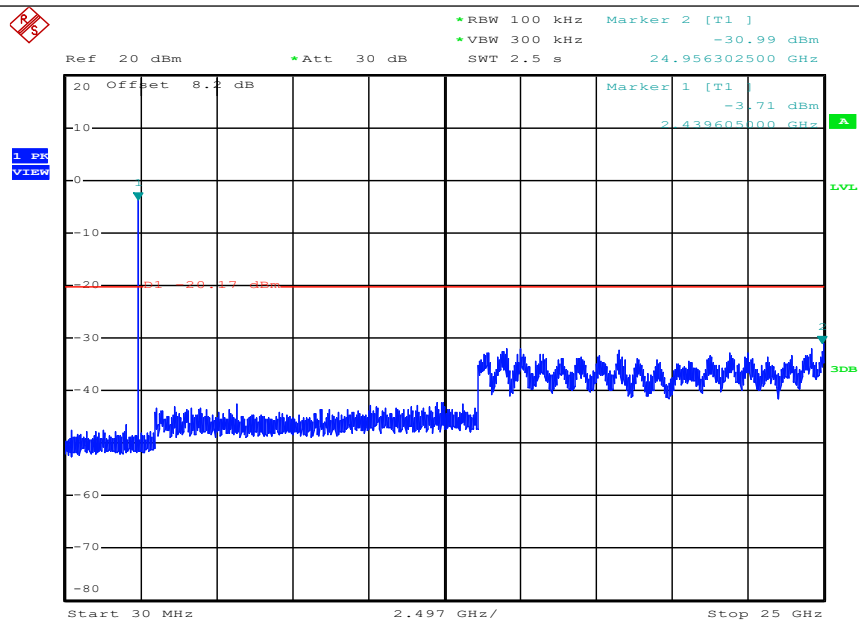
BT LE MCH Graphs

Pref/BT LE/MCH



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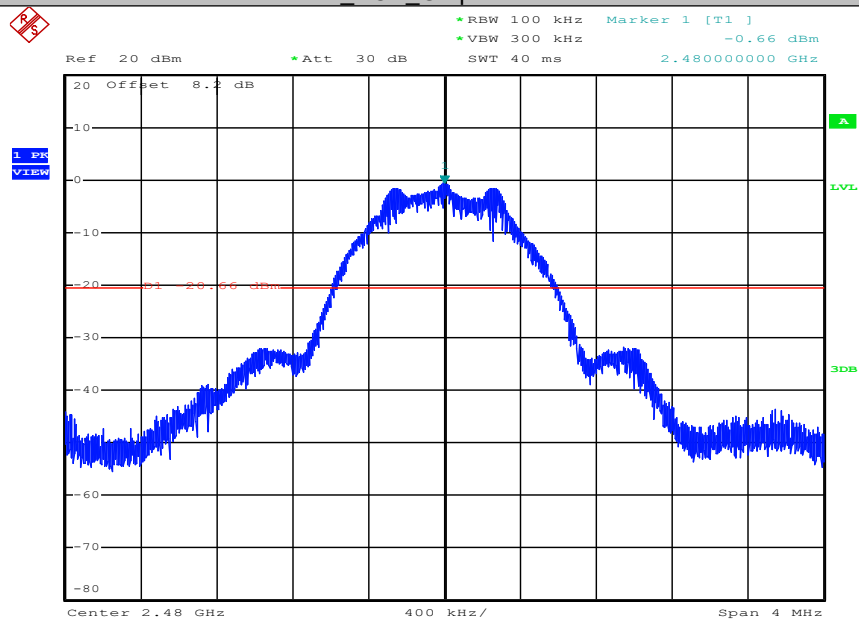
Puw/BT LE/MCH



Date: 20.AUG.2019 13:21:17

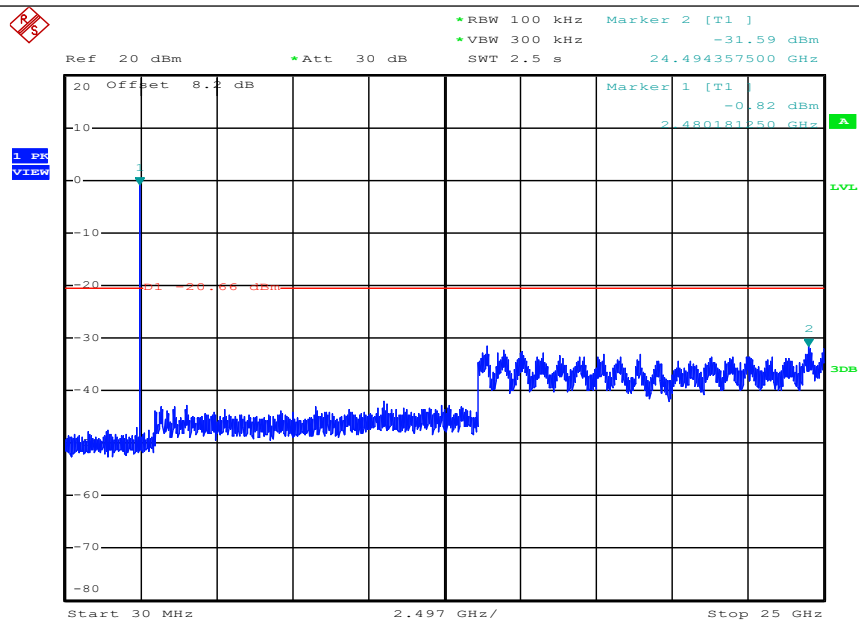
BT LE_HCH_Graphs

Pref/BT LE/HCH



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Puw/BT LE/HCH



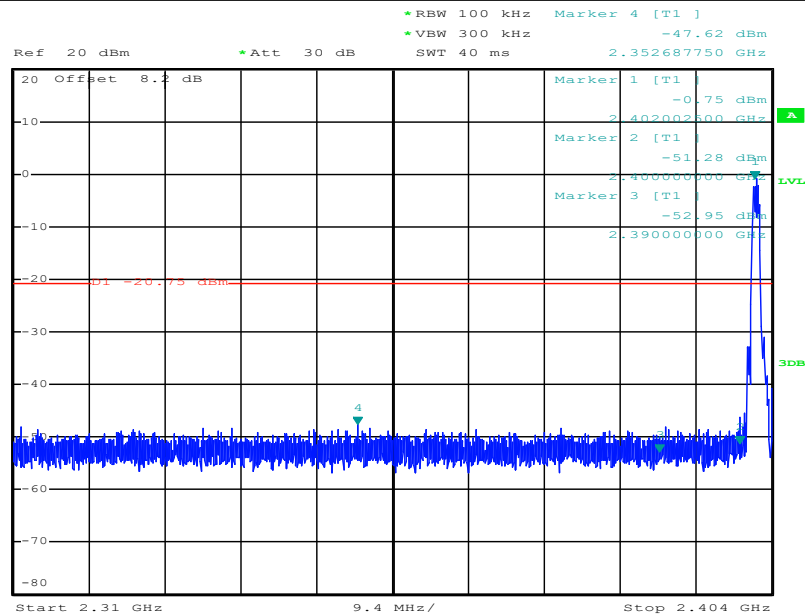
Date: 20.AUG.2019 13:23:19

B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.750	-47.622	-20.75	PASS
BT LE	HCH	-0.720	-47.573	-20.72	PASS

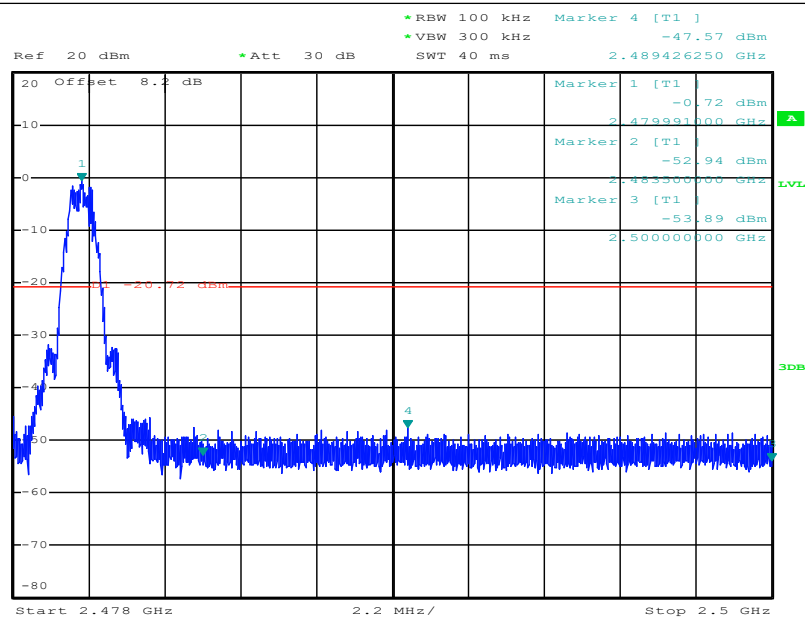
Test Graphs

LCH

1 PR
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HCH

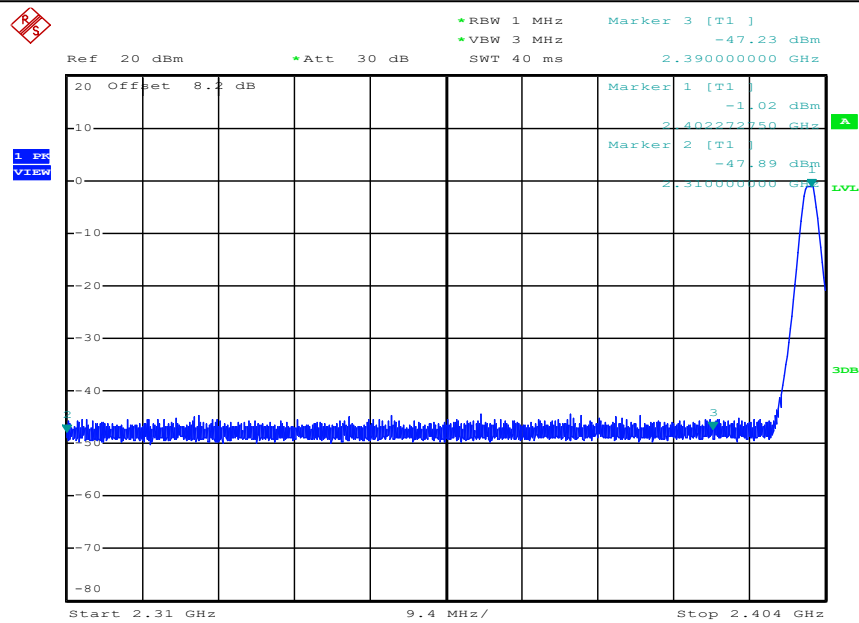
1 PR
VIEW

Date: 20.AUG.2019 13:22:35

B.7 Restrict-band band-edge measurements

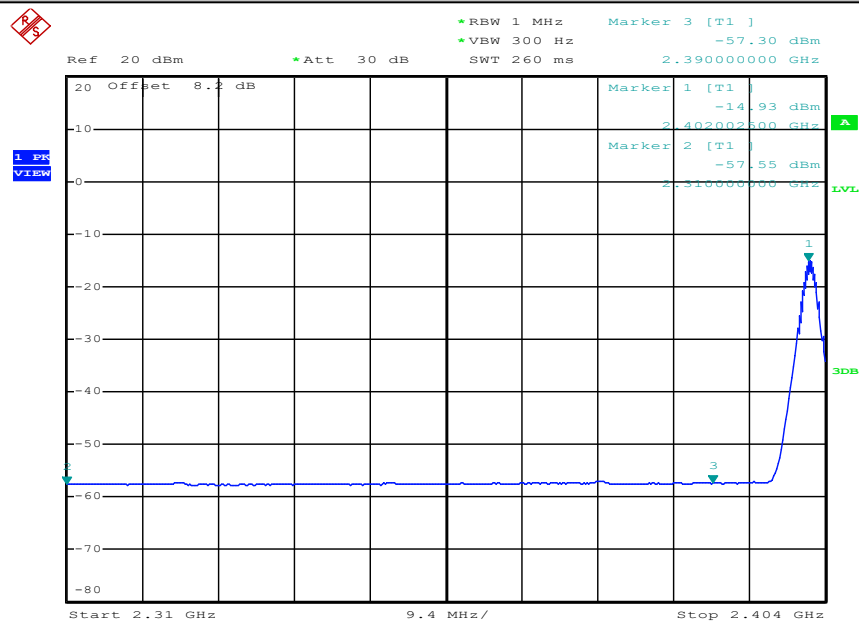
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-47.89	2.0	0	47.37	PEAK	74	PASS
		Ant1	2310.0	-57.55	2.0	0	37.71	AV	54	PASS
		Ant1	2390.0	-47.23	2.0	0	48.03	PEAK	74	PASS
		Ant1	2390.0	-57.30	2.0	0	37.96	AV	54	PASS
	2480	Ant1	2483.5	-38.25	2.0	0	57.01	PEAK	74	PASS
		Ant1	2483.5	-47.66	2.0	0	47.60	AV	54	PASS
		Ant1	2500.0	-48.08	2.0	0	47.18	PEAK	74	PASS
		Ant1	2500.0	-57.96	2.0	0	37.30	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



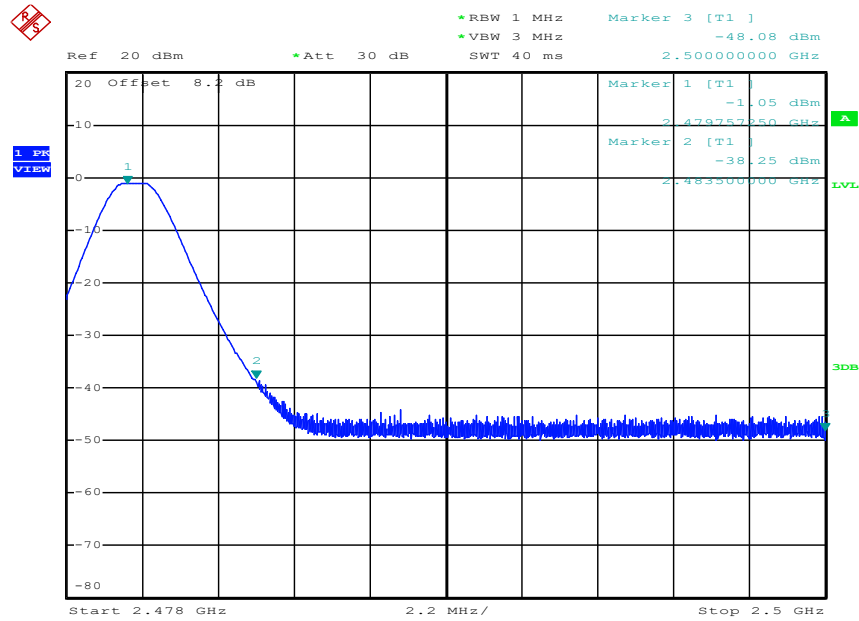
Date: 20.AUG.2019 13:14:53

Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



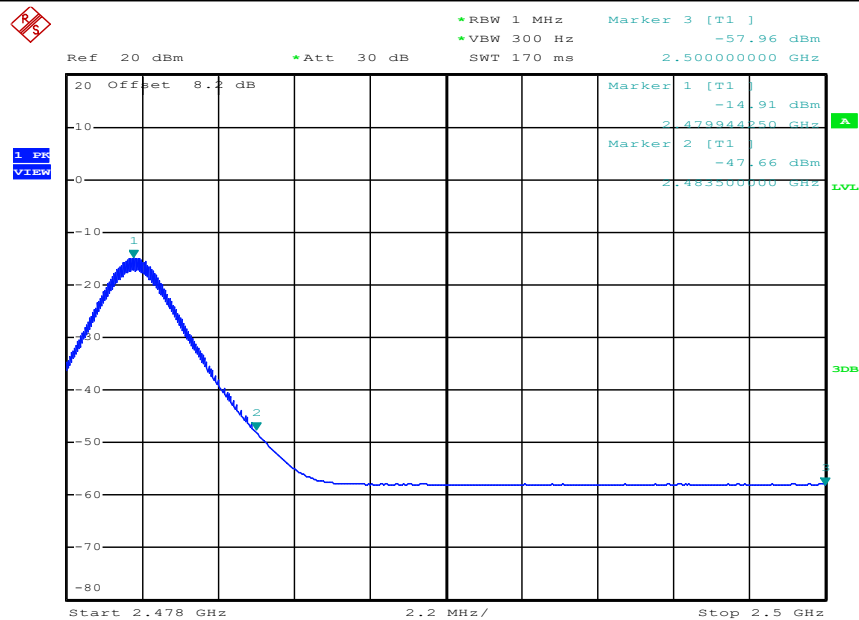
Date: 20.AUG.2019 13:15:09

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 20.AUG.2019 13:23:37

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 20.AUG.2019 13:23:52