

Appendix B

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

Product Name: BLUETOOTH SPEAKER

Trade Mark: N/A

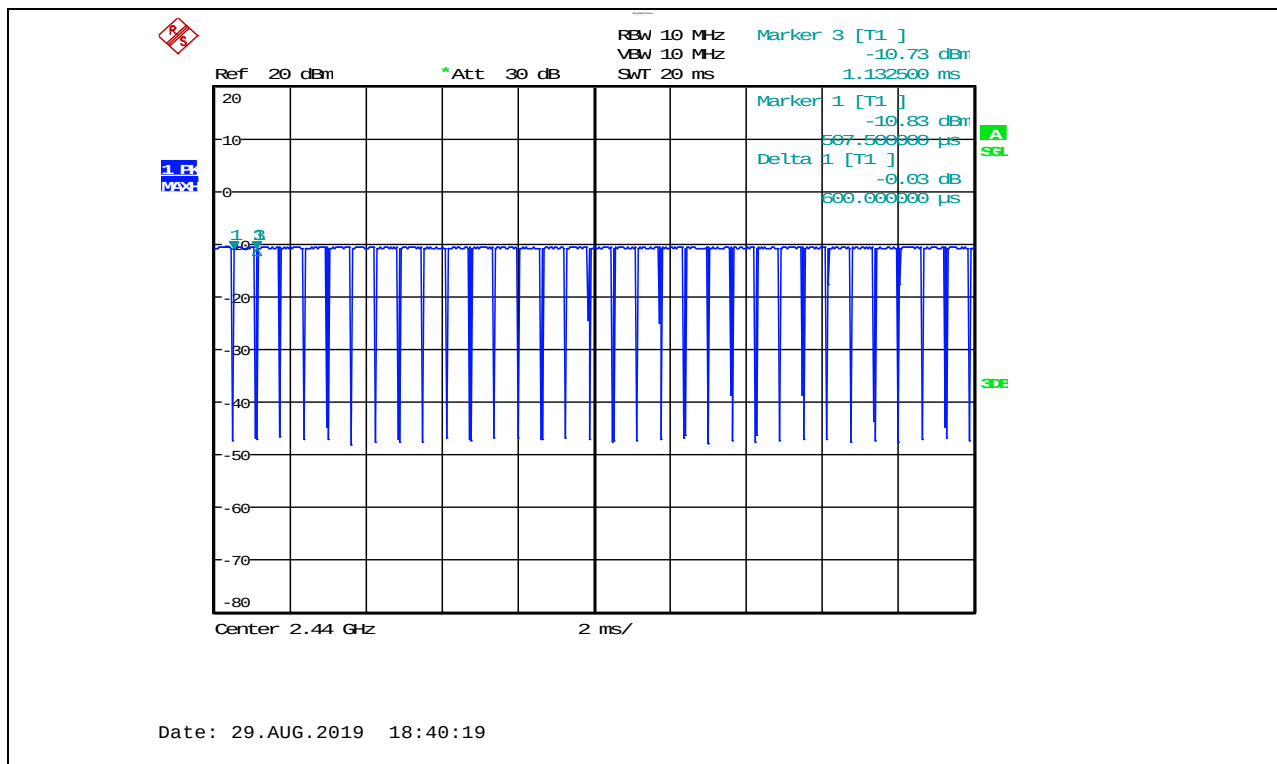
Test Model: BSSK9025

Environmental Conditions

Temperature:	24.8 ° C
Relative Humidity:	54.2 %
ATM Pressure:	100.0 kPa
Test Engineer:	Alisa Huang
Supervised by:	Wang.Chuang

B.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	96	PASS



B.2 Maximum Conducted Peak Output Power

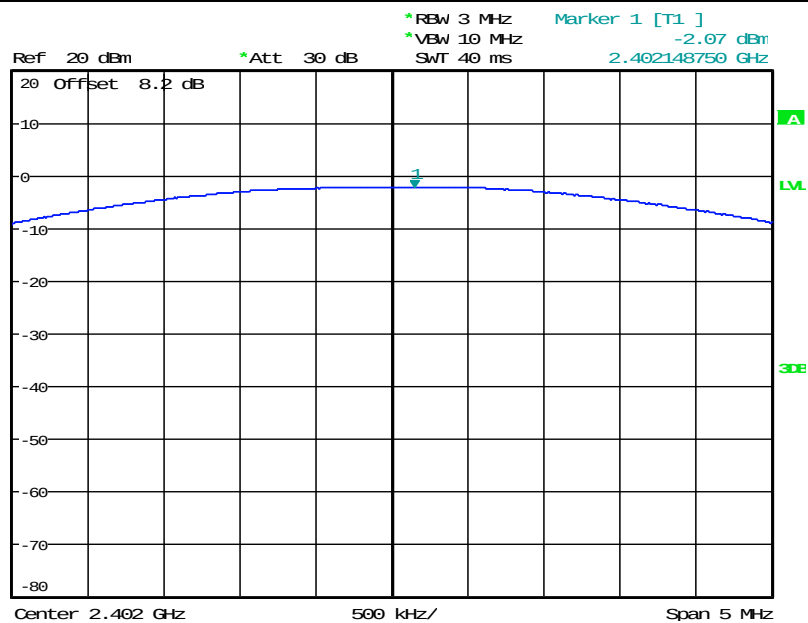
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.07	30	PASS
BT LE	MCH	-2.19	30	PASS
BT LE	HCH	-3.1	30	PASS

Test Graphs

LCH



1. PL VIEW

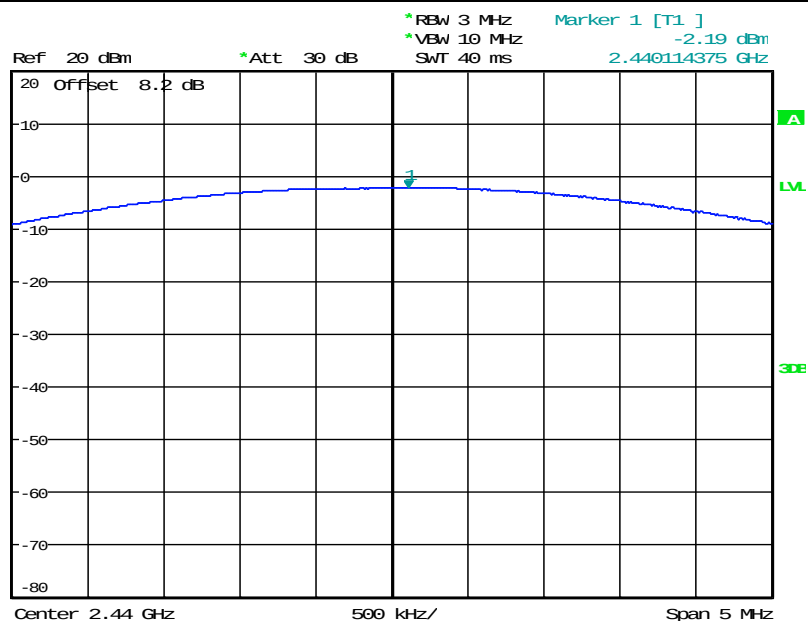


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MCH



1. PL VIEW

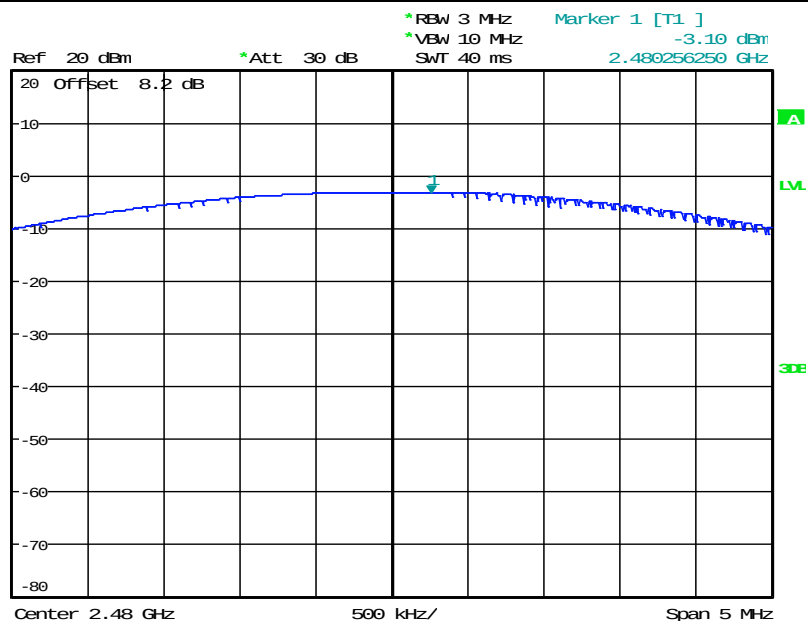


Date: 29.AUG.2019 18:34:08

HCH



1.4
VIEW



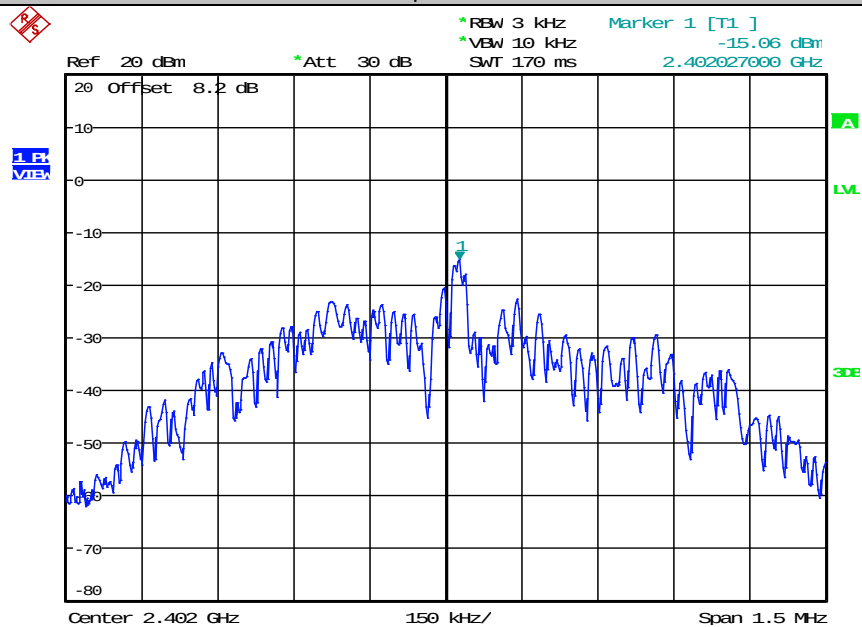
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B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.060	8	PASS
BT LE	MCH	-15.160	8	PASS
BT LE	HCH	-16.130	8	PASS

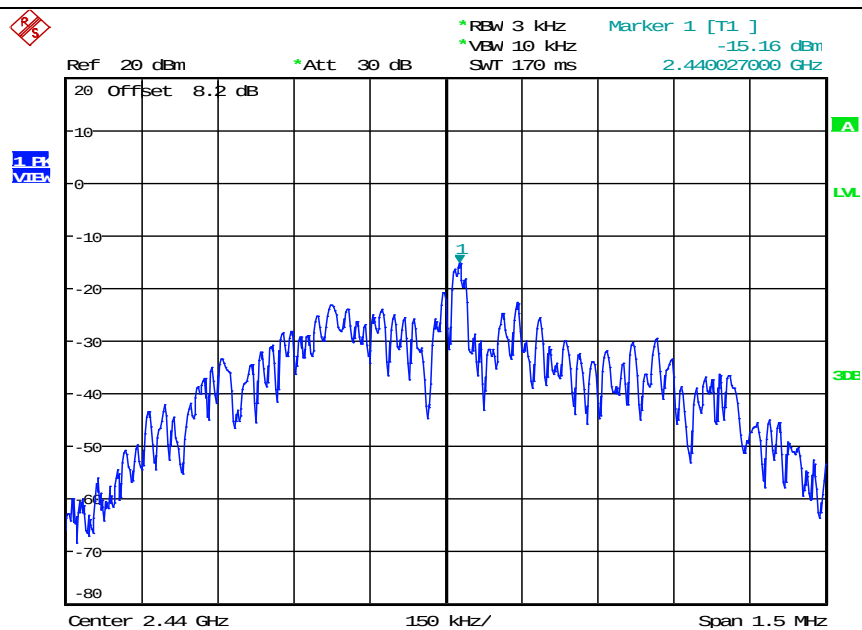
Test Graphs

LCH



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MCH

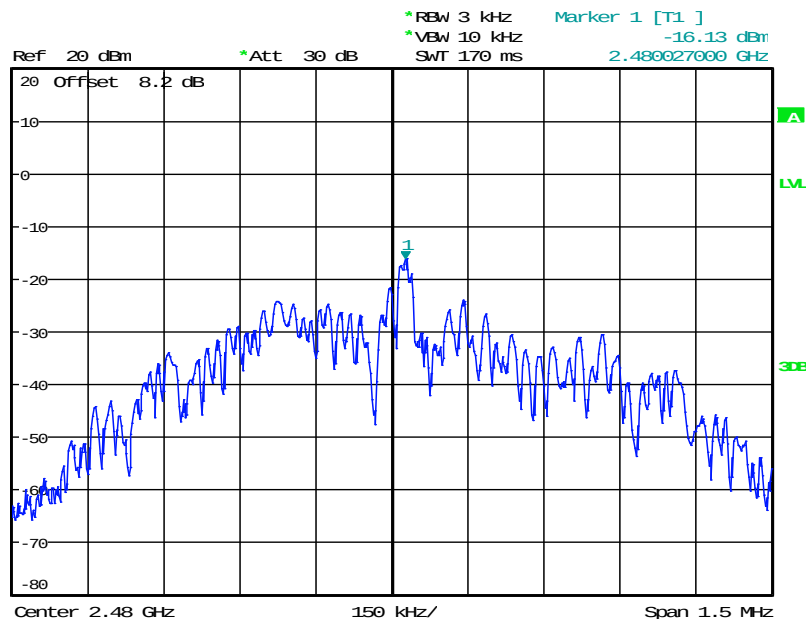


Date: 29.AUG.2019 18:36:09

HCH



1.4
VIEW



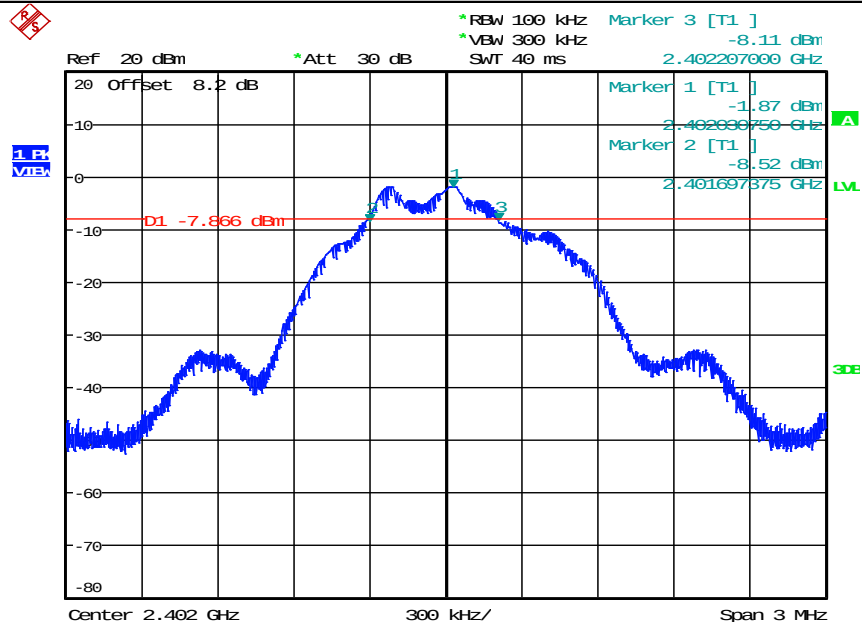
Date: 29.AUG.2019 18:38:05

B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.510	≥ 0.5	PASS
BT LE	MCH	0.507	≥ 0.5	PASS
BT LE	HCH	0.506	≥ 0.5	PASS

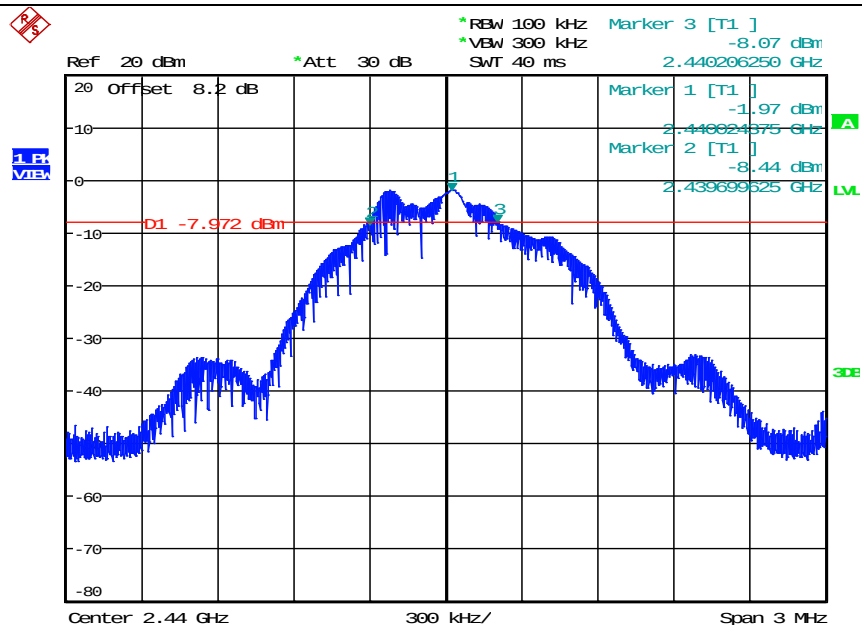
Test Graphs

LCH



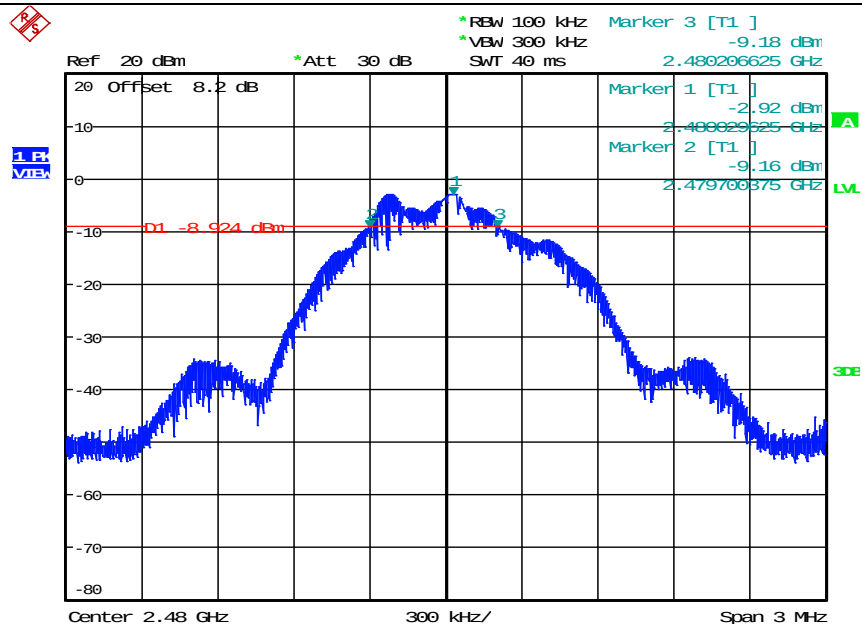
Date: 29.AUG.2019 18:25:37

MCH



Date: 29.AUG.2019 18:33:49

HCH



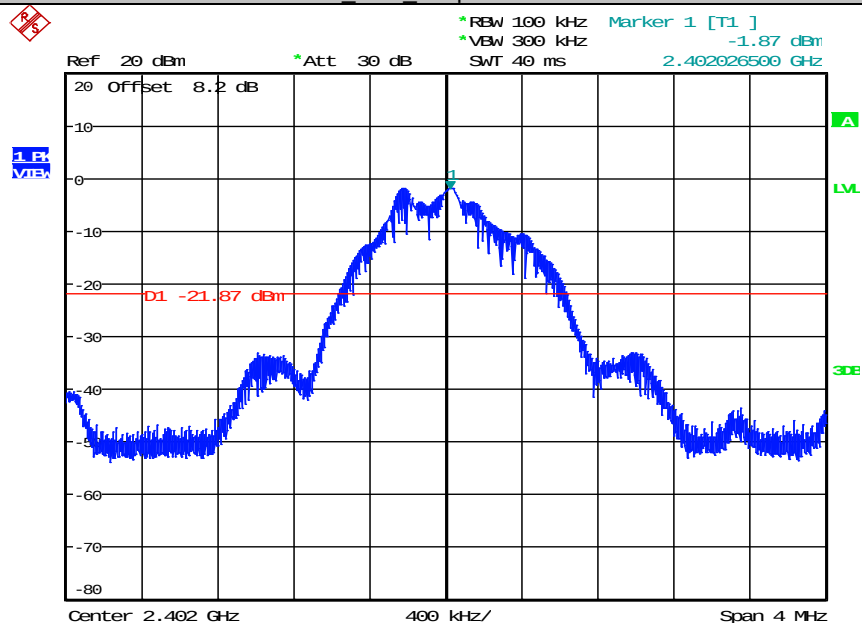
Date: 29.AUG.2019 18:37:37

B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.87	-31.970	-21.870	PASS
BT LE	MCH	-1.98	-30.840	-21.980	PASS
BT LE	HCH	-2.92	-31.900	-22.920	PASS

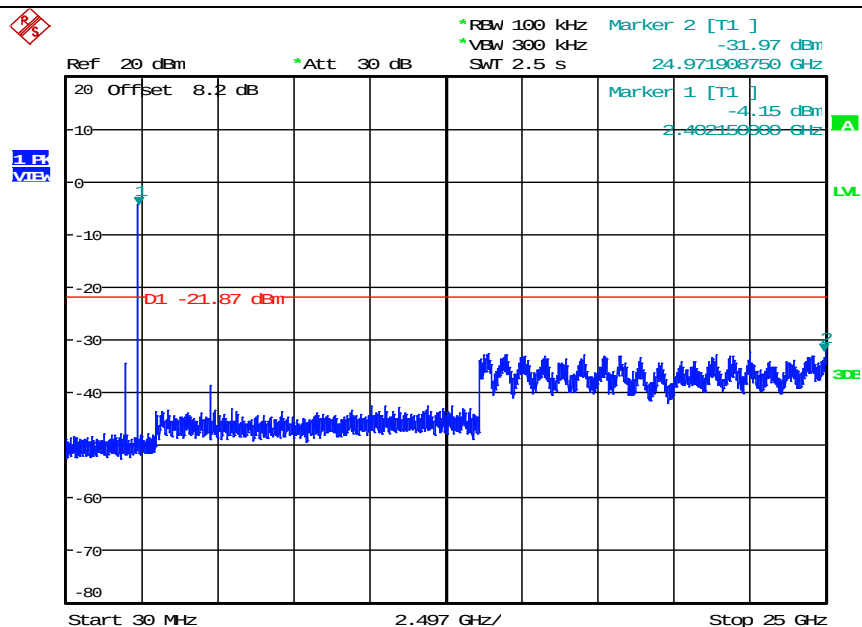
BT LE_LCH_Graphs

Pref/BT LE/LCH



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Puw/BT LE/LCH

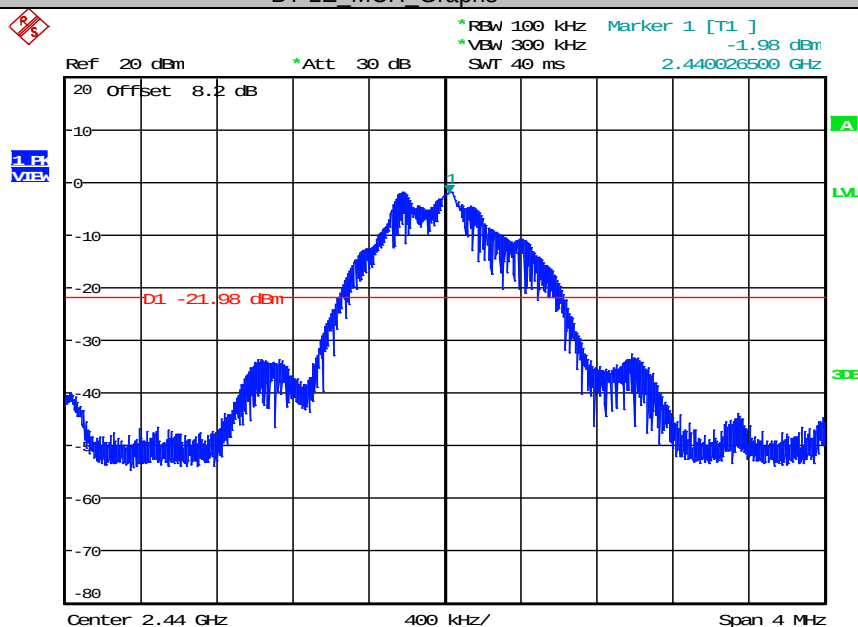


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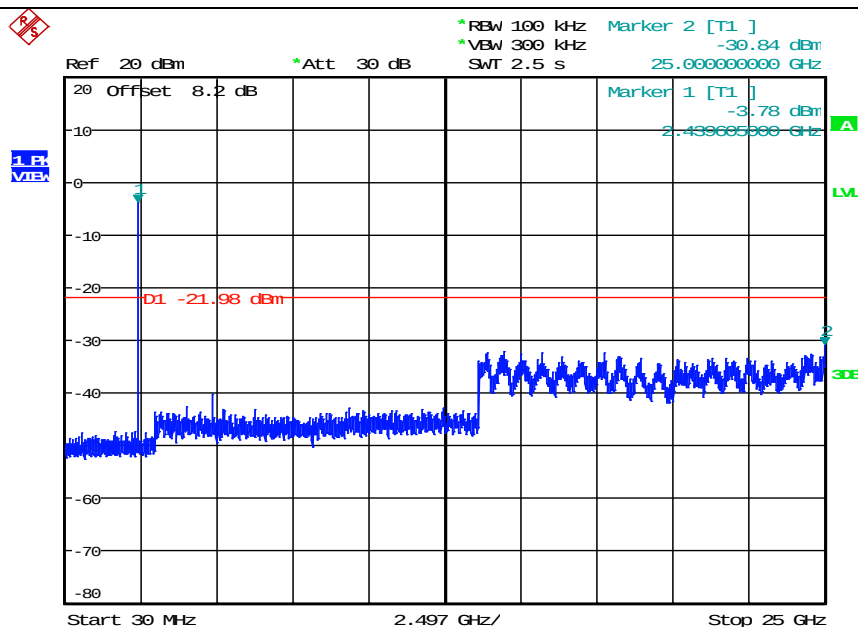
BT LE_MCH_Graphs

Pref/BT LE/MCH



Date: 29.AUG.2019 18:36:25

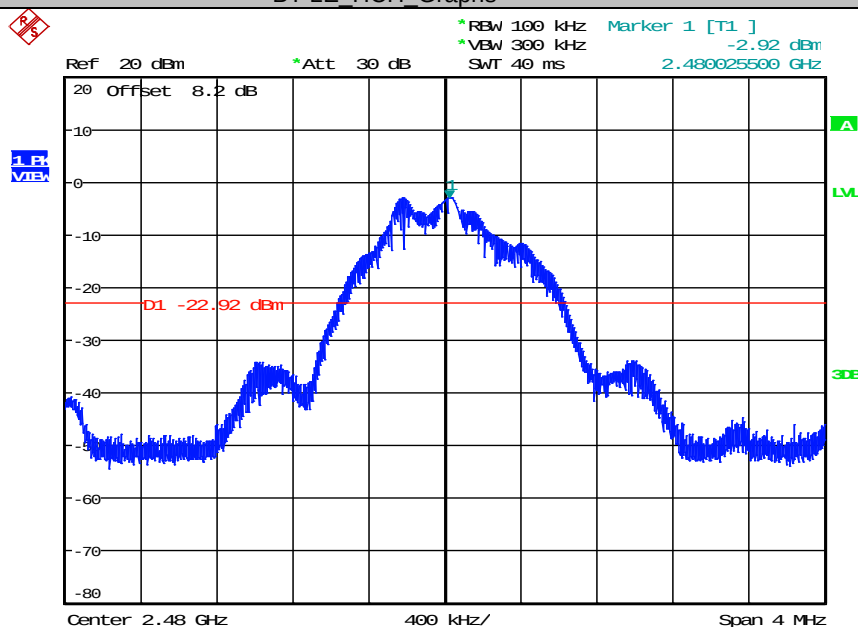
Puw/BT LE/MCH



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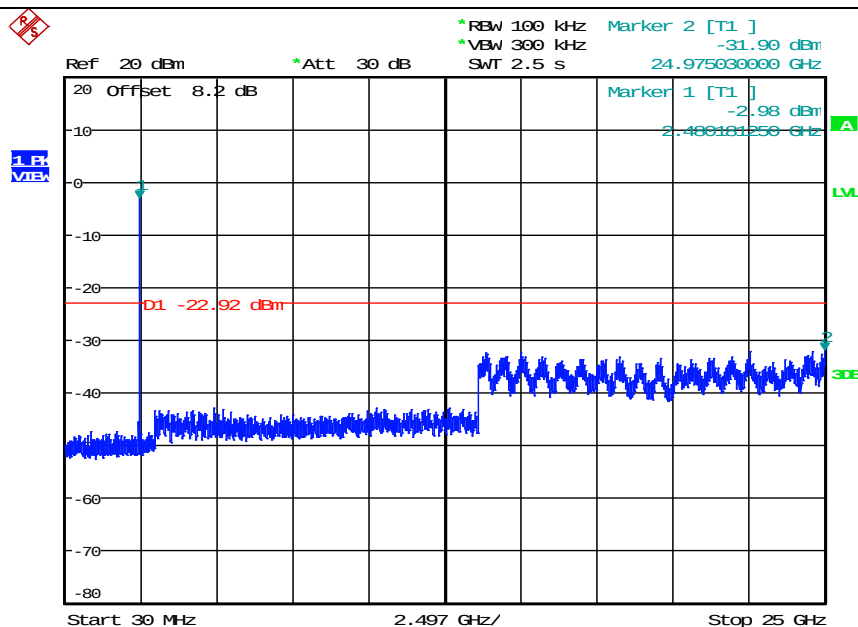
BT LE_HCH_Graphs

Pref/BT LE/HCH



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Puw/BT LE/HCH



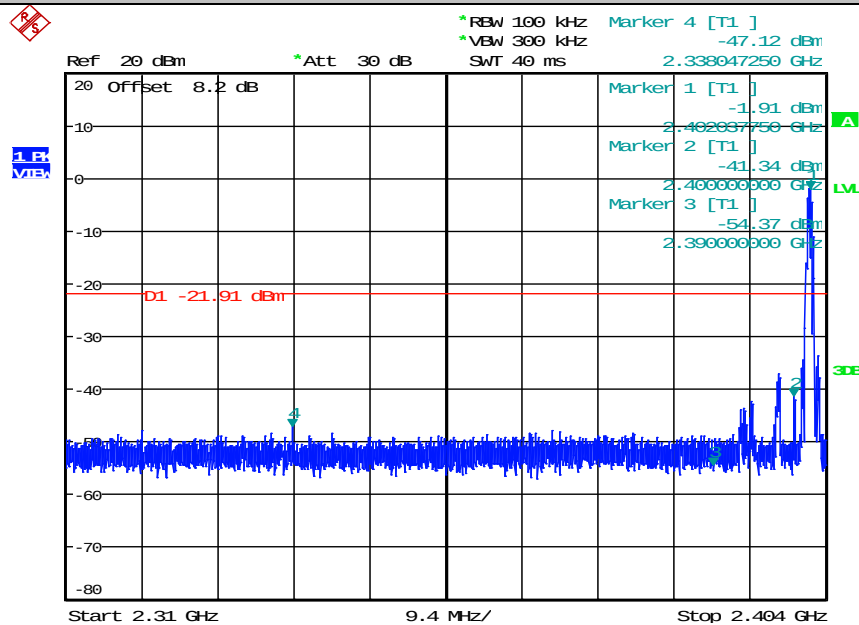
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B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.910	-47.121	-21.91	PASS
BT LE	HCH	-2.940	-44.177	-22.94	PASS

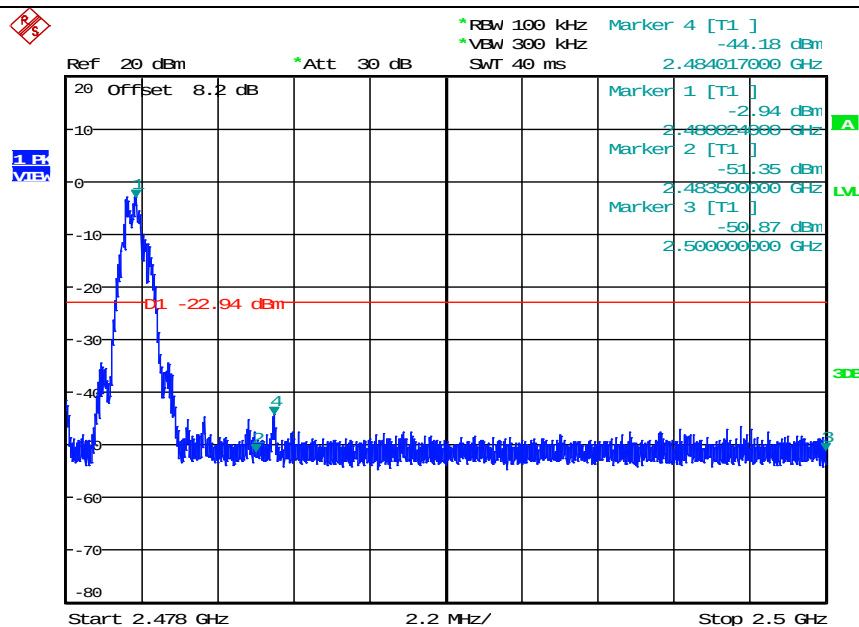
Test Graphs

LCH



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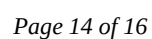
HCH

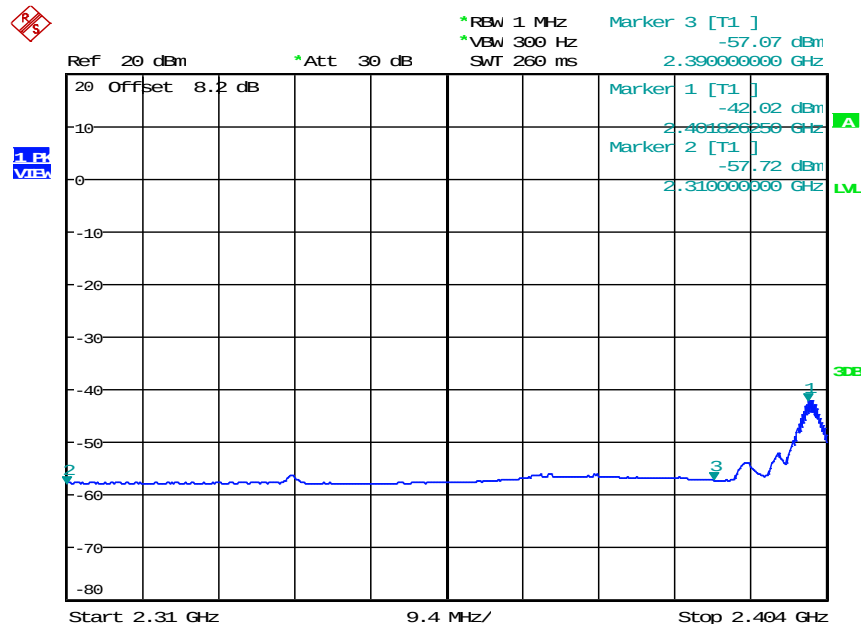


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B.7 Restrict-band band-edge measurements

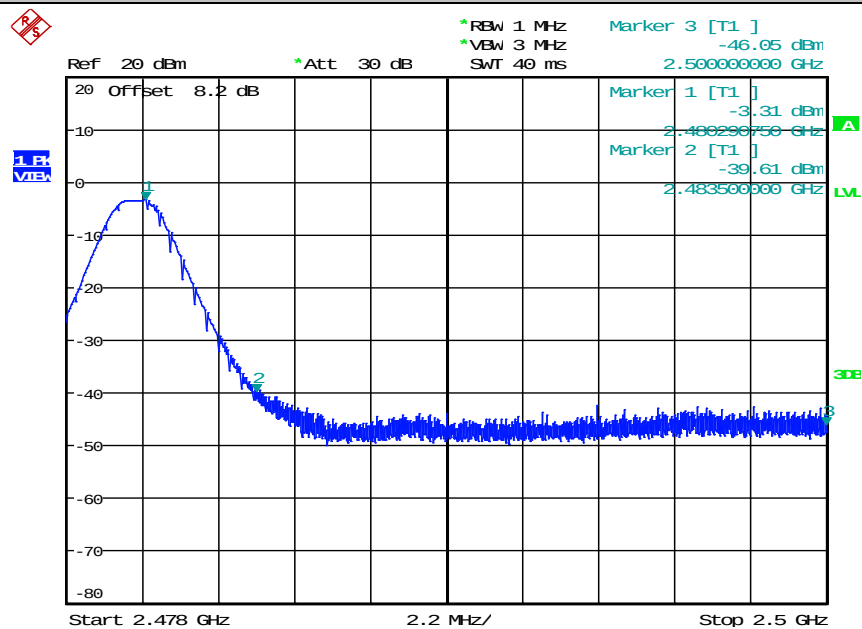
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-47.64	2.0	0	48.62	PEAK	74	PASS
		Ant1	2310.0	-57.72	2.0	0	38.54	AV	54	PASS
		Ant1	2390.0	-47.39	2.0	0	48.87	PEAK	74	PASS
		Ant1	2390.0	-57.07	2.0	0	39.19	AV	54	PASS
	2480	Ant1	2483.5	-39.61	2.0	0	56.65	PEAK	74	PASS
		Ant1	2483.5	-54.90	2.0	0	41.36	AV	54	PASS
		Ant1	2500.0	-46.05	2.0	0	50.21	PEAK	74	PASS
		Ant1	2500.0	-57.07	2.0	0	39.19	AV	54	PASS





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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



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Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

