

Appendix B

RF Test Data for BT V4.2(BT LE) (Conducted Measurement)

Product Name: Rugged Tablet

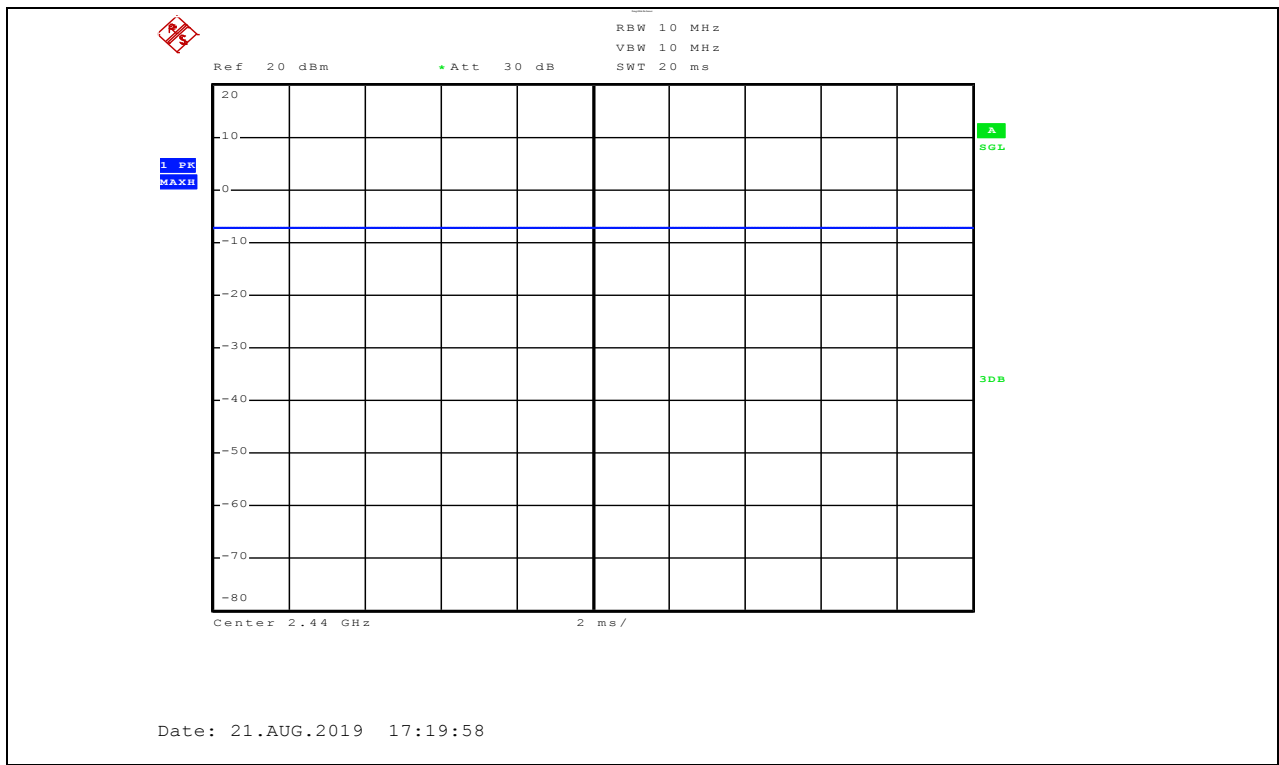
Test Model: LT800

Environmental Conditions

Temperature:	23.8 °C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Wang Chuang

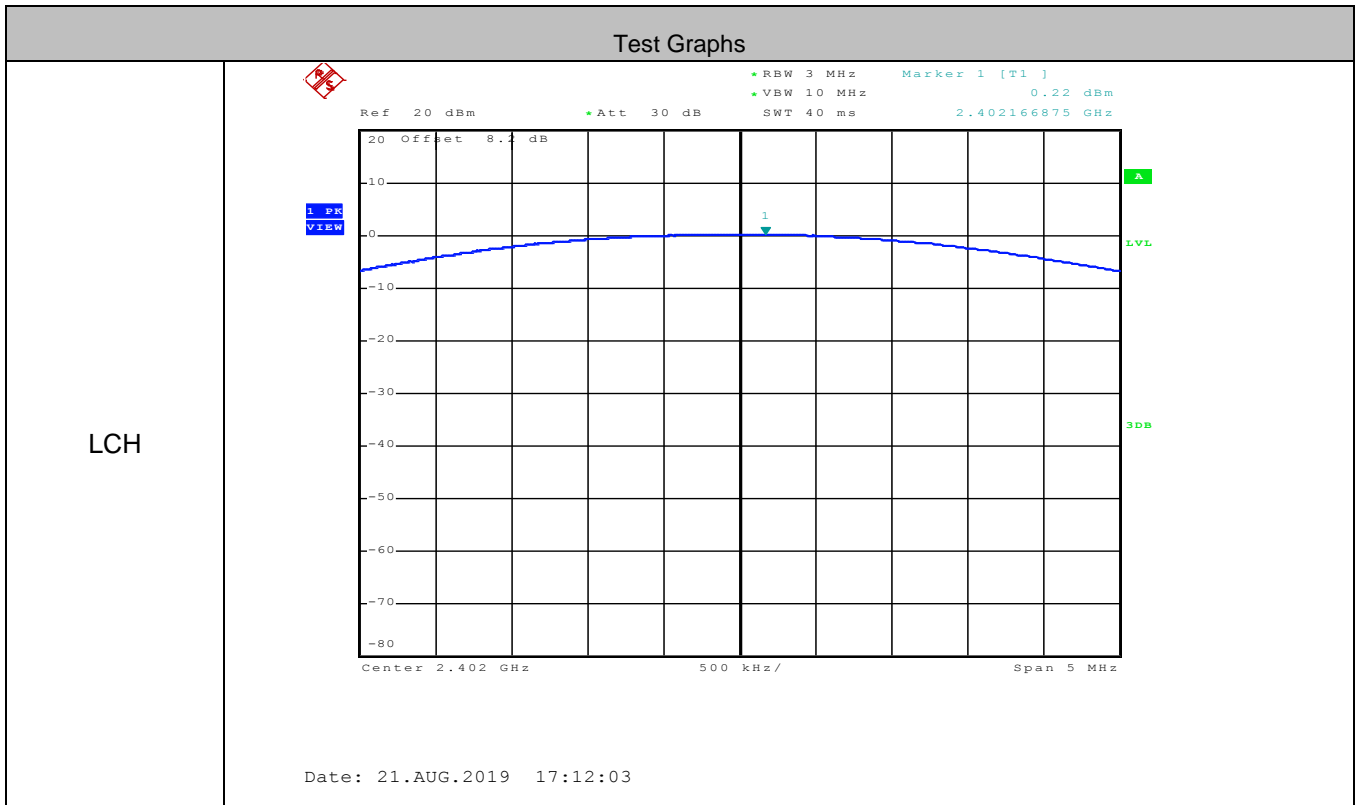
B.1 Duty Cycle

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

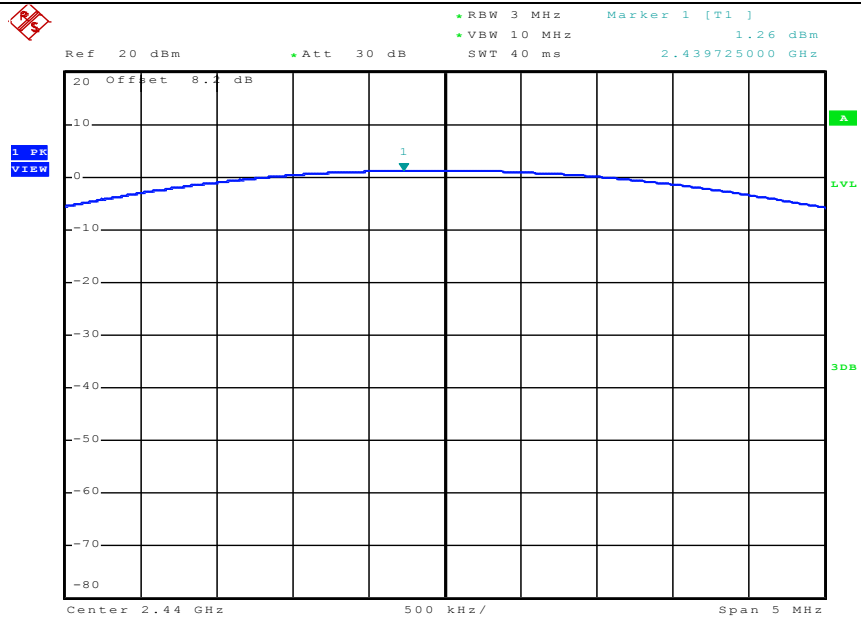


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Conduct Average Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.22	0.08	30	PASS
BT LE	MCH	1.26	1.04	30	PASS
BT LE	HCH	-0.27	-0.40	30	PASS

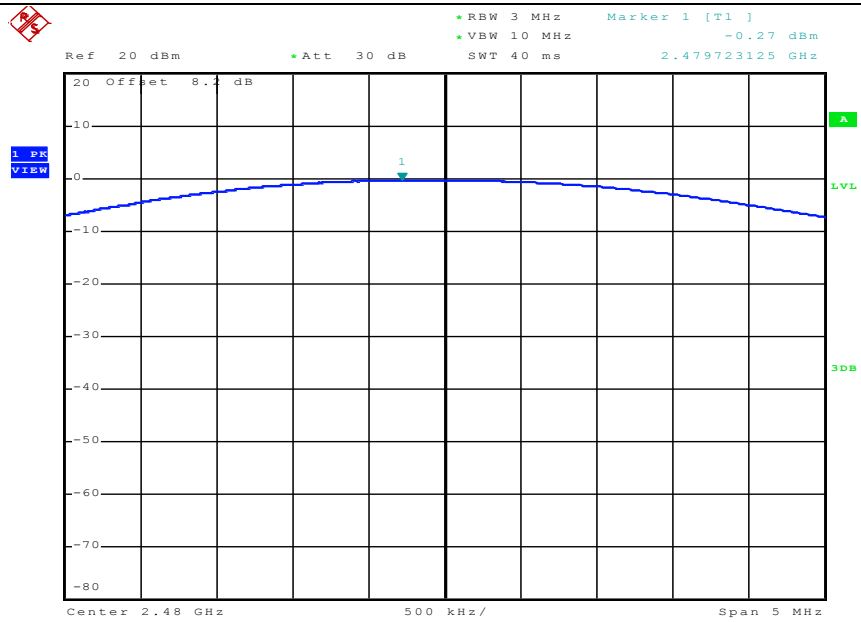


MCH



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HCH

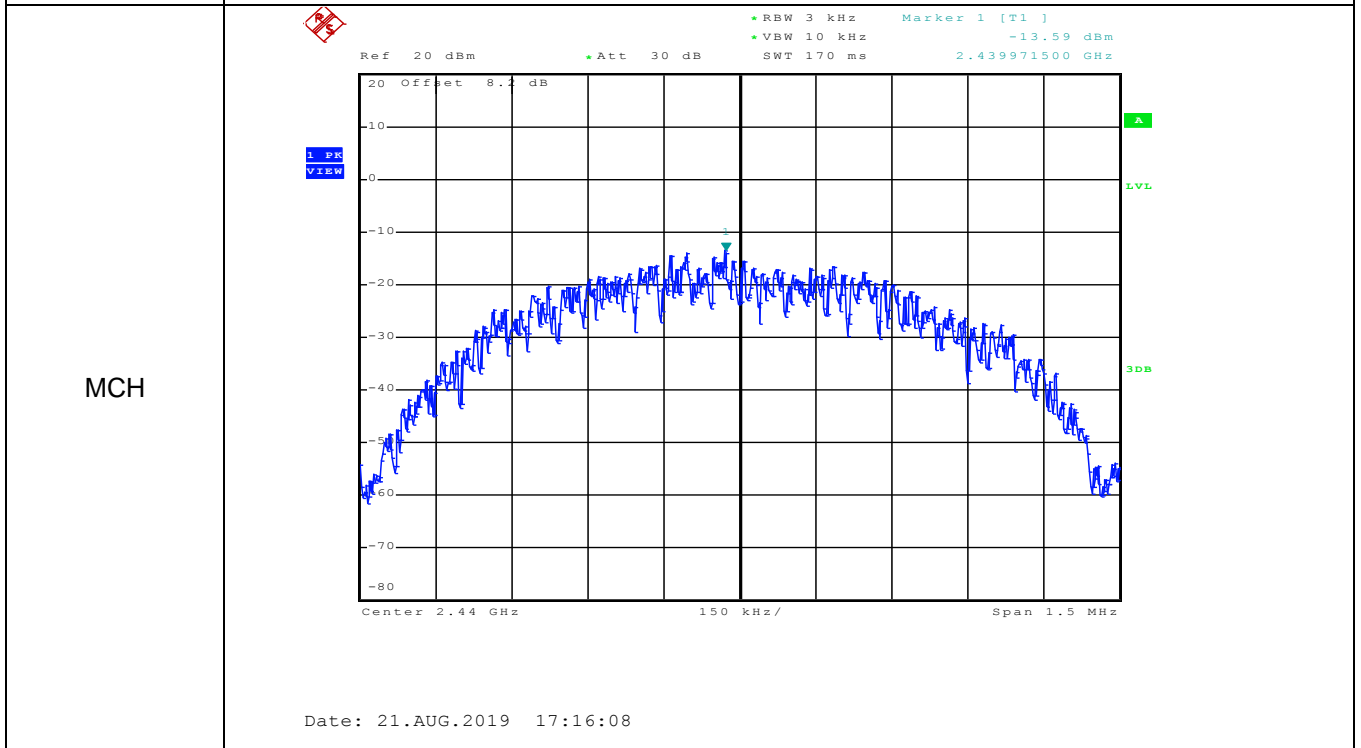
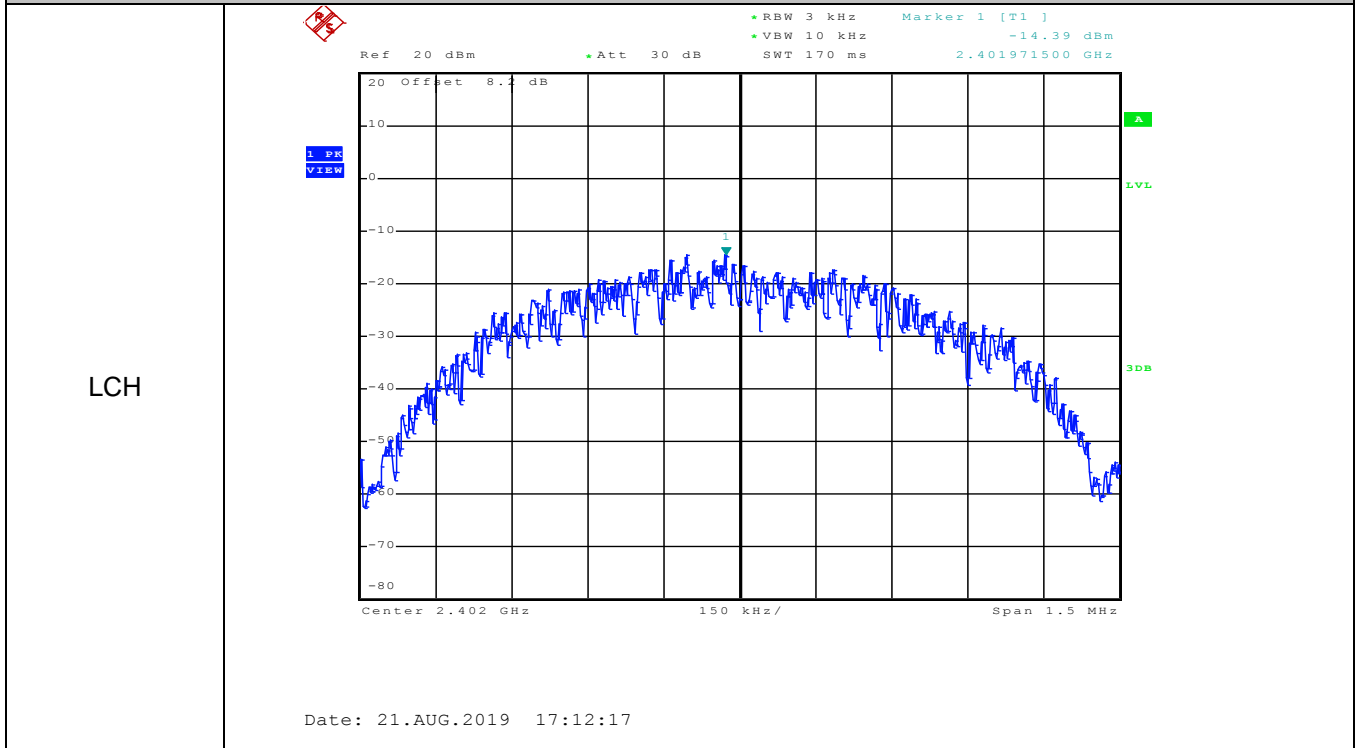


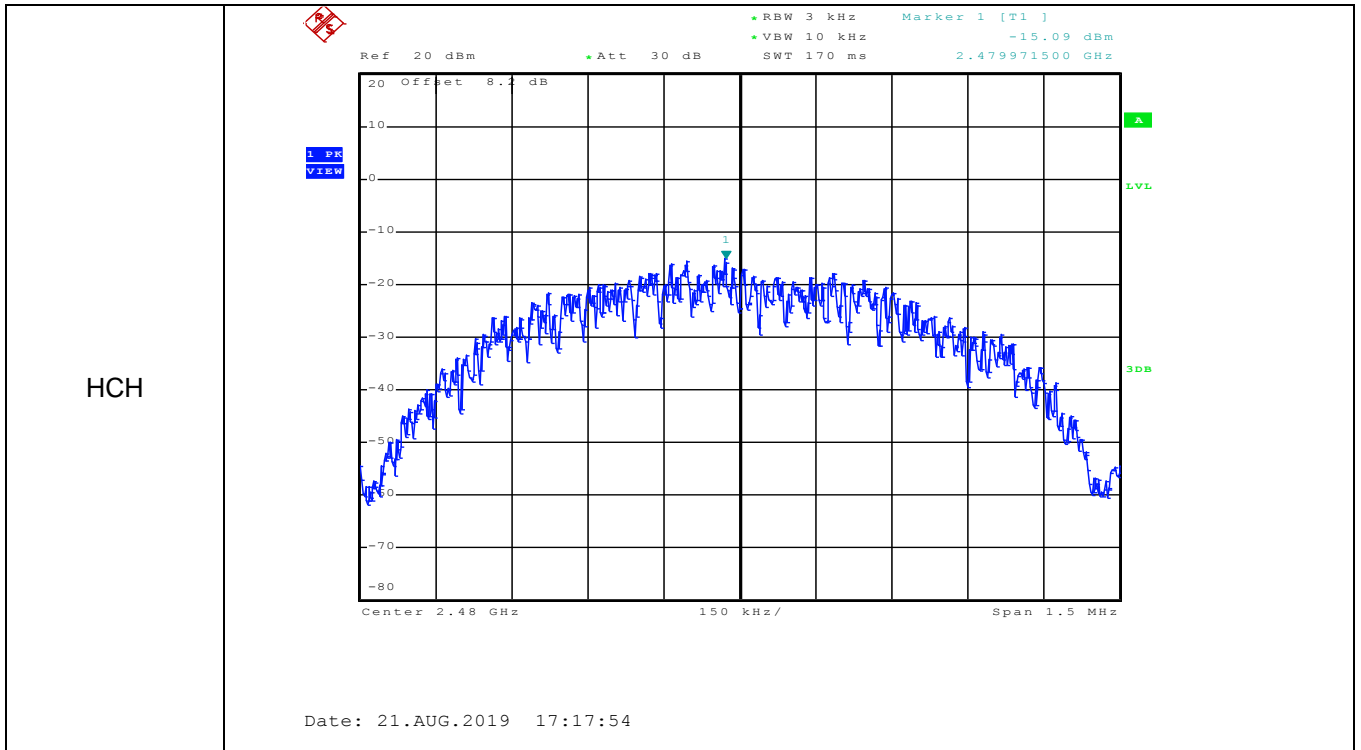
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B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.390	8	PASS
BT LE	MCH	-13.590	8	PASS
BT LE	HCH	-15.090	8	PASS

Test Graphs



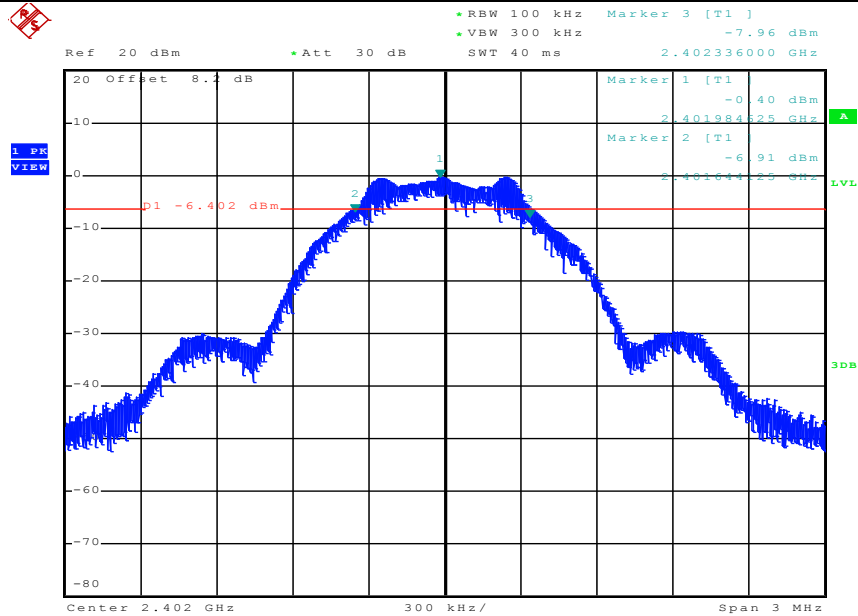


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.692	≥0.5	PASS
BT LE	MCH	0.693	≥0.5	PASS
BT LE	HCH	0.704	≥0.5	PASS

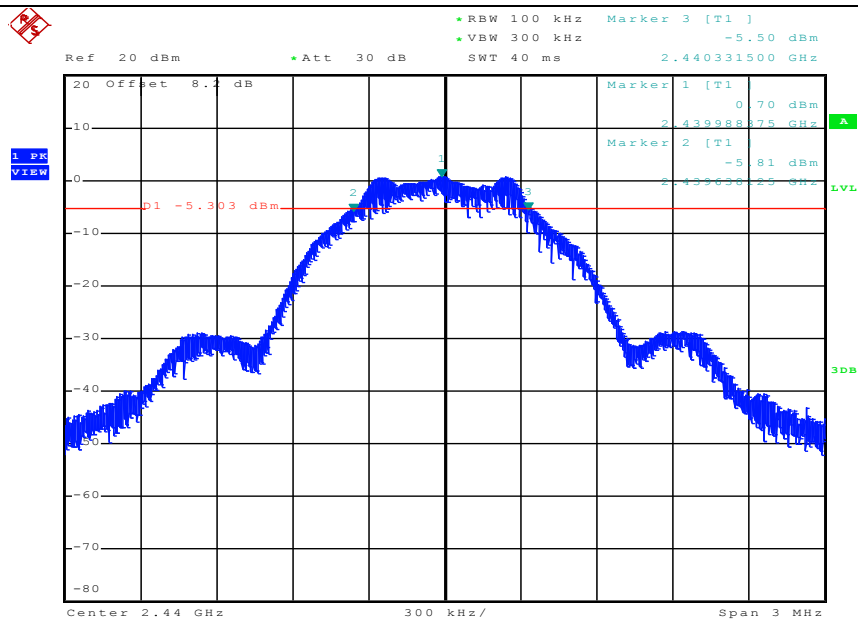
Test Graphs

LCH



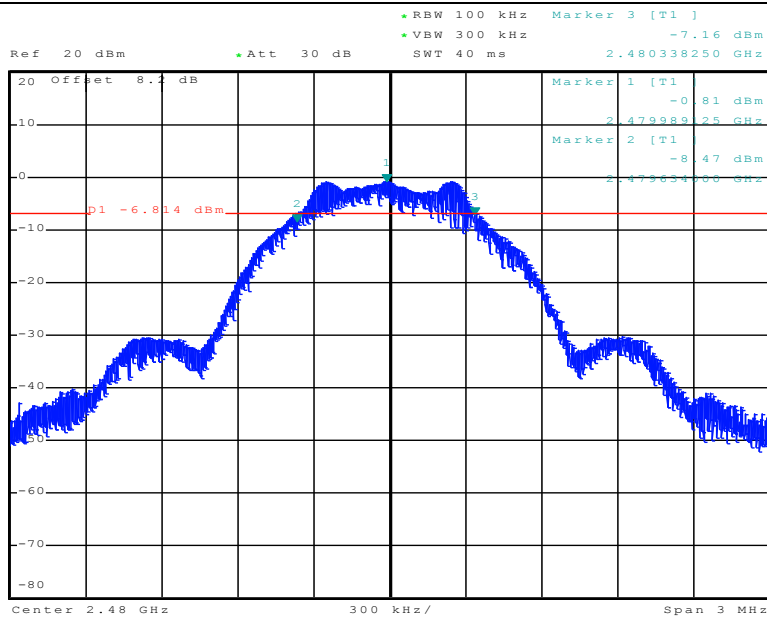
Date: 21.AUG.2019 17:11:50

MCH



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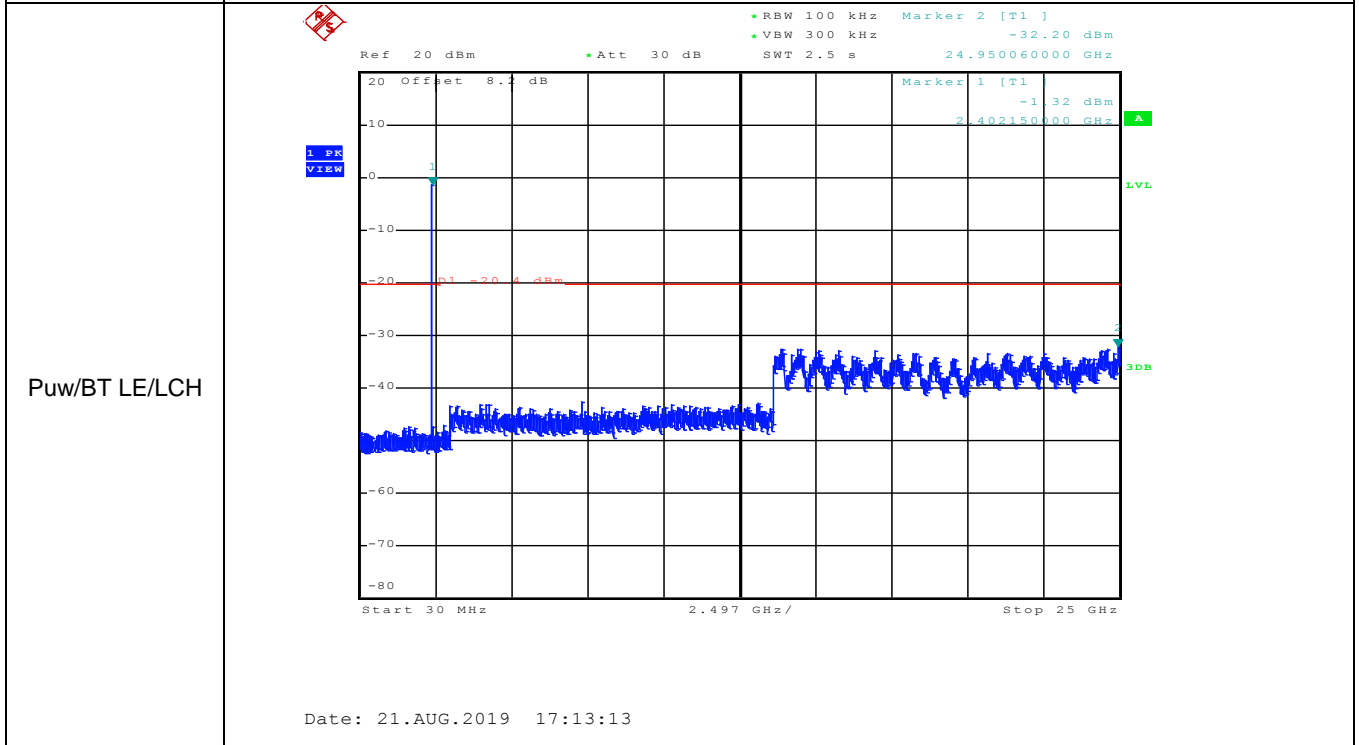
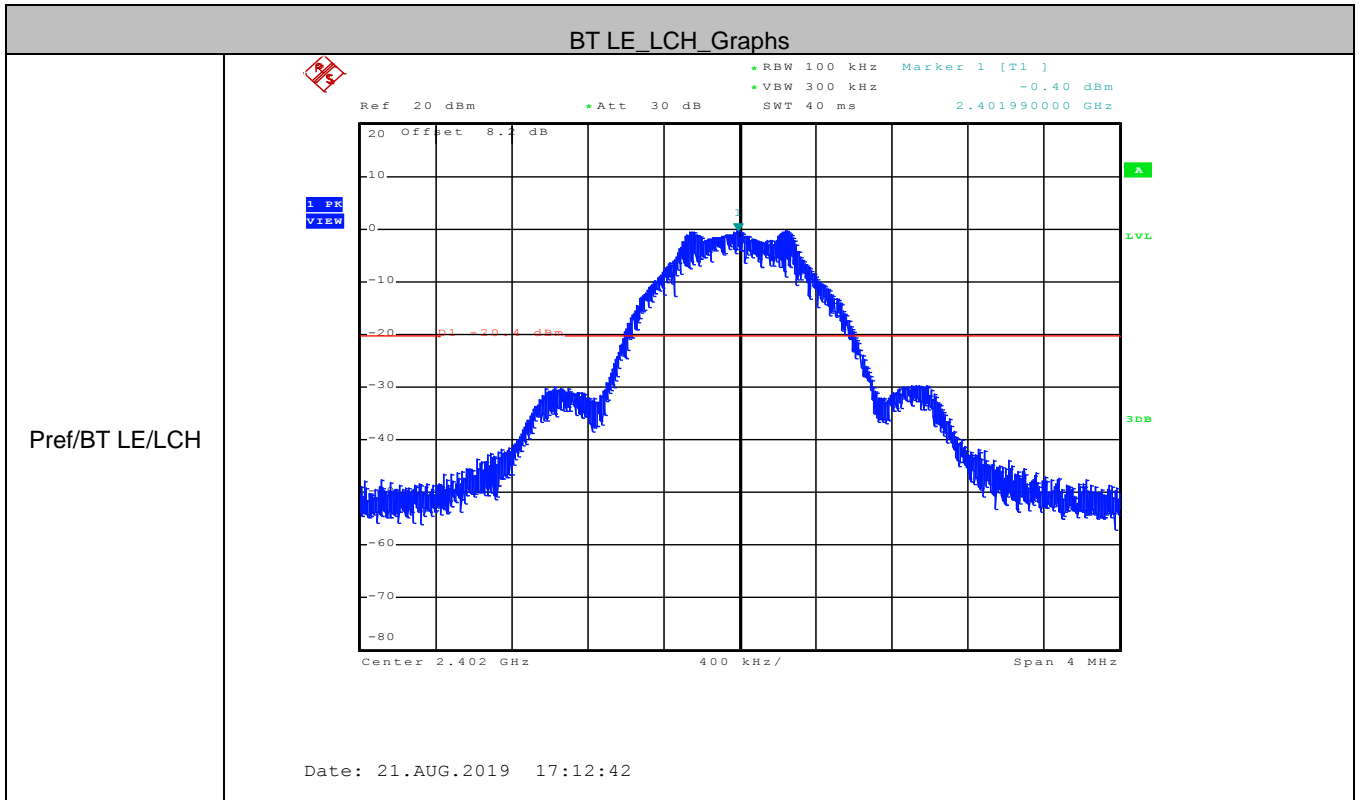
HCH



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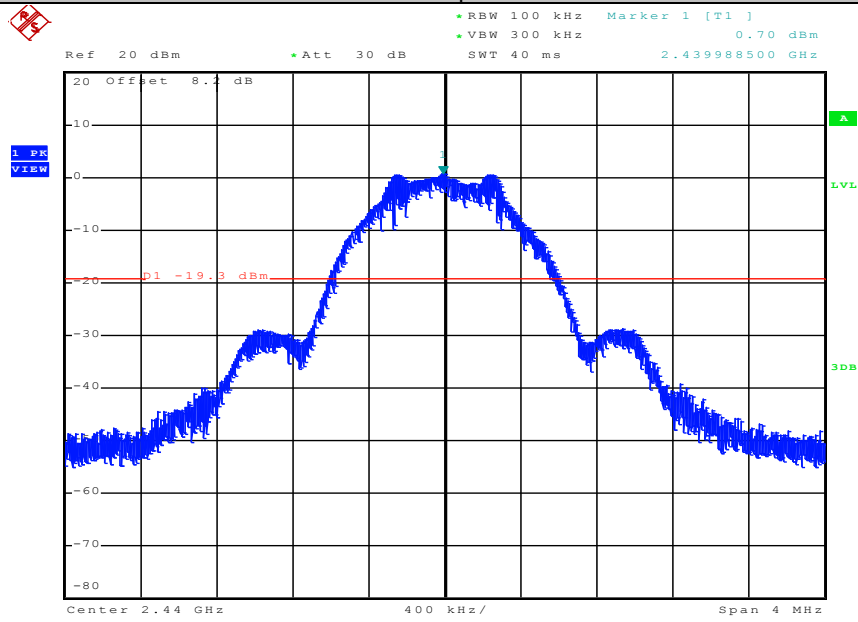
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.4	-32.200	-20.400	PASS
BT LE	MCH	0.7	-31.760	-19.300	PASS
BT LE	HCH	-0.83	-31.850	-20.830	PASS



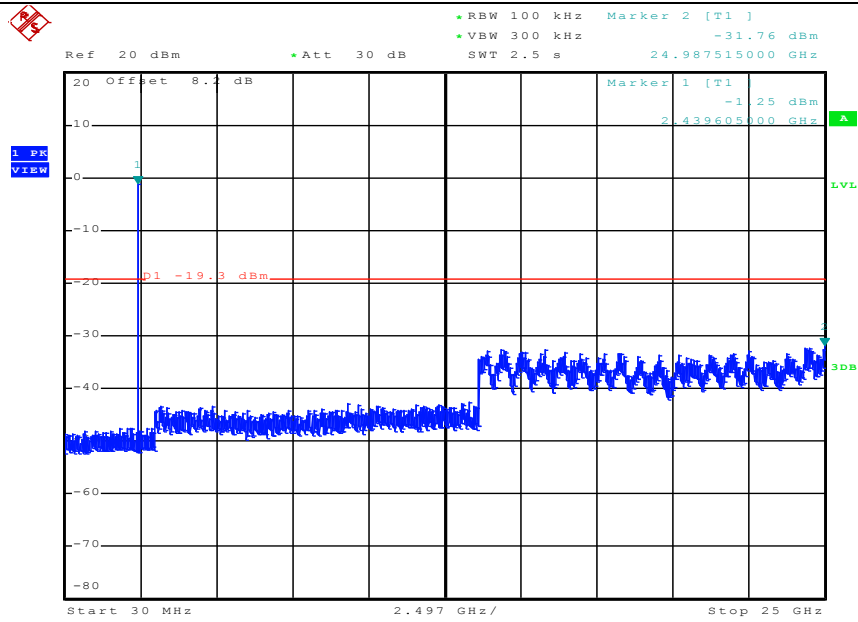
BT LE_MCH_Graphs

Pref/BT LE/MCH



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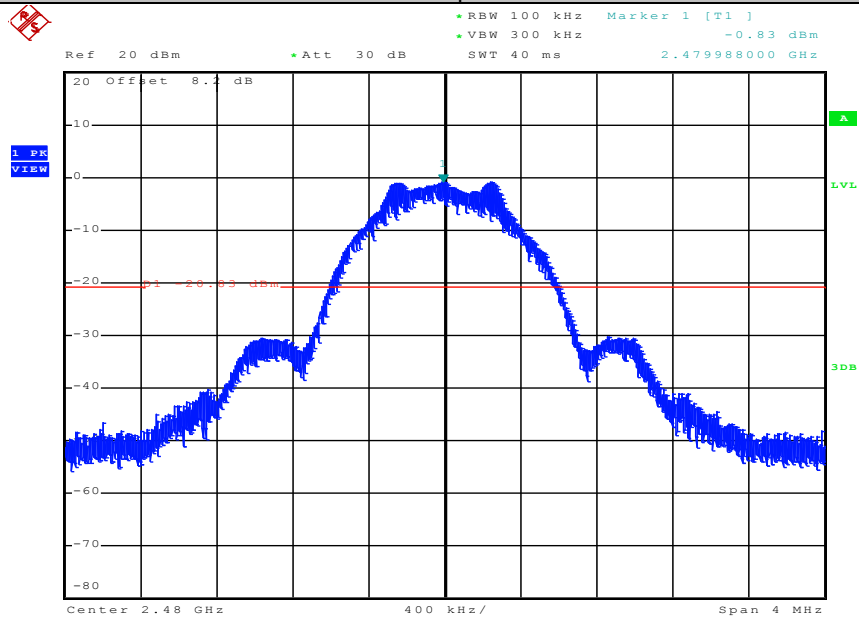
Puw/BT LE/MCH



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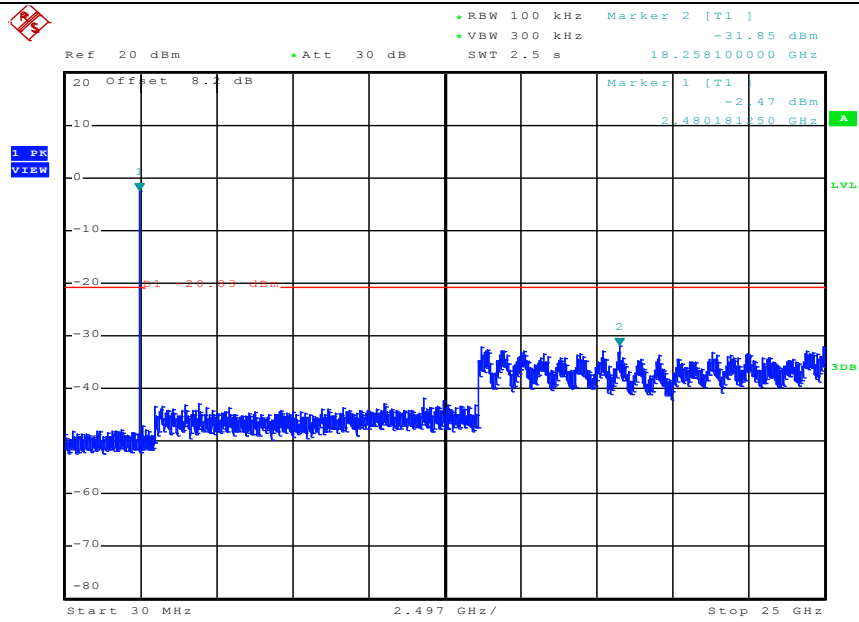
BT LE_HCH_Graphs

Pref/BT LE/HCH



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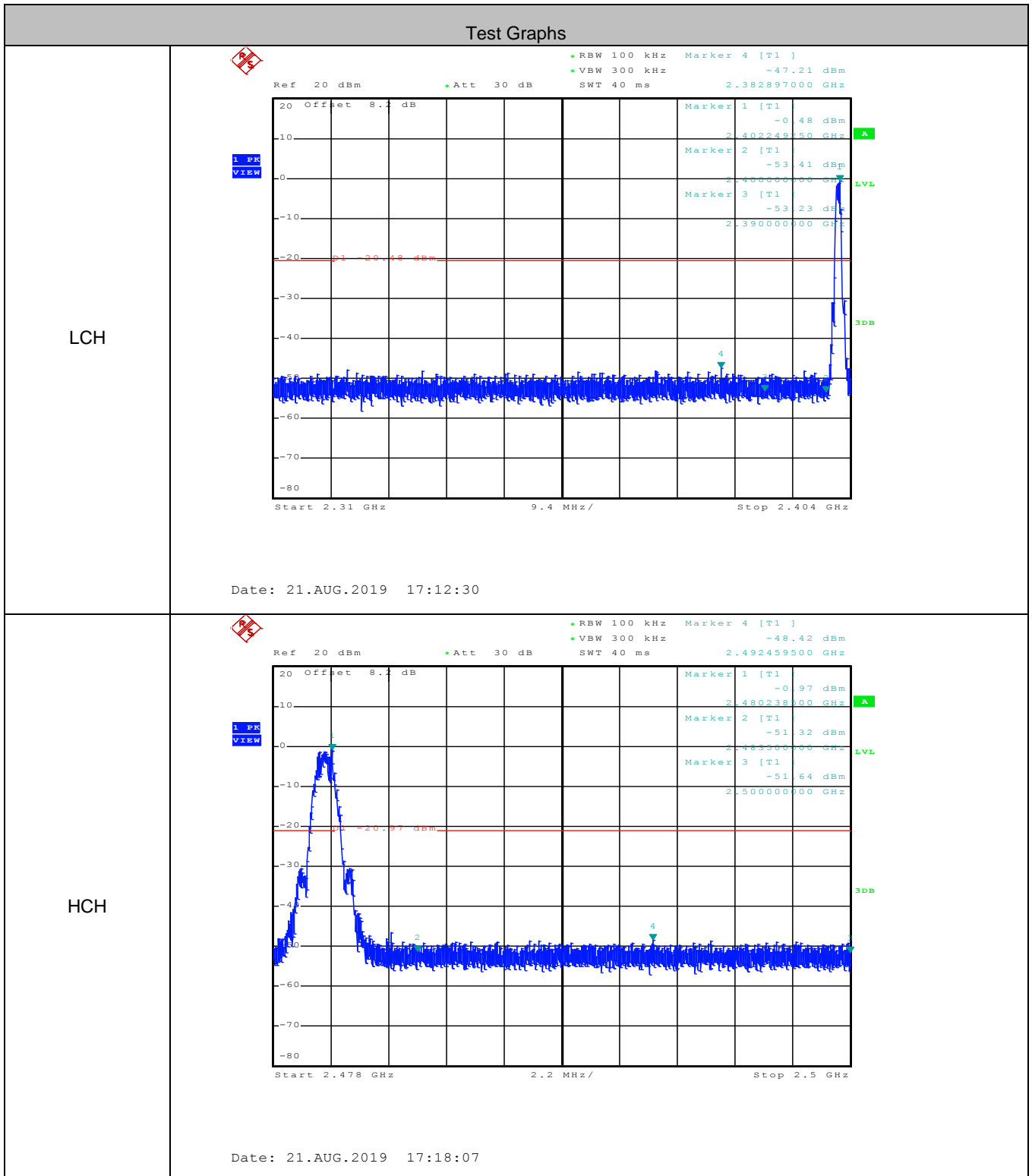
Puw/BT LE/HCH



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B.6 Band-edge for RF Conducted Emissions

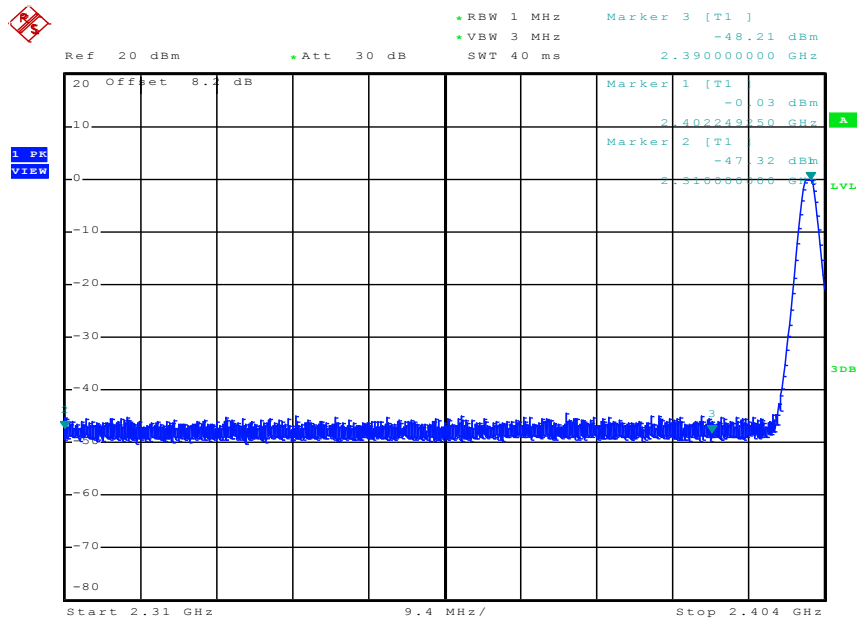
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.480	-47.214	-20.48	PASS
BT LE	HCH	-0.970	-48.416	-20.97	PASS



B.7 Restrict-band band-edge measurements

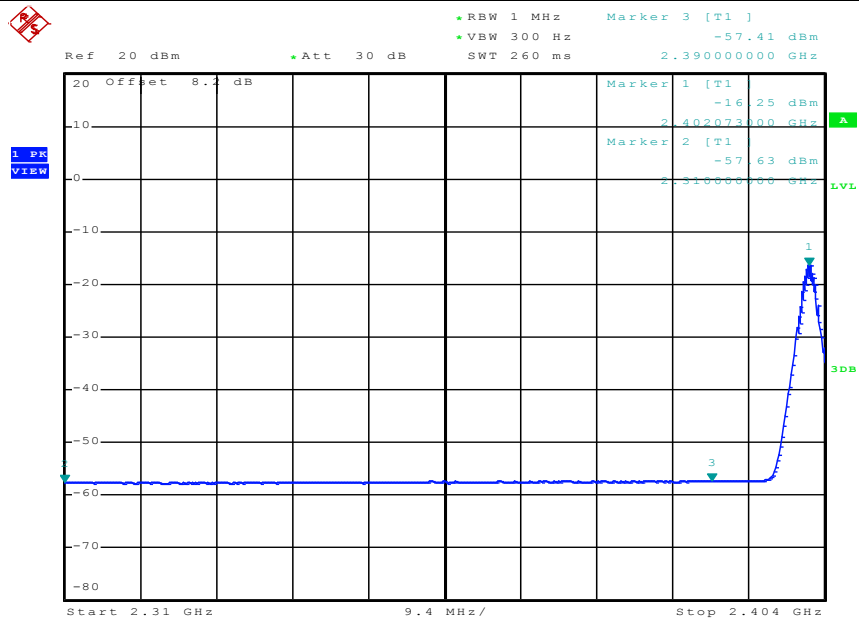
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-47.32	2.0	0	49.94	PEAK	74	PASS
		Ant1	2310.0	-57.63	2.0	0	39.63	AV	54	PASS
		Ant1	2390.0	-48.21	2.0	0	49.05	PEAK	74	PASS
		Ant1	2390.0	-57.41	2.0	0	39.85	AV	54	PASS
	2480	Ant1	2483.5	-38.88	2.0	0	58.38	PEAK	74	PASS
		Ant1	2483.5	-47.75	2.0	0	49.51	AV	54	PASS
		Ant1	2500.0	-49.06	2.0	0	48.20	PEAK	74	PASS
		Ant1	2500.0	-58.00	2.0	0	39.26	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



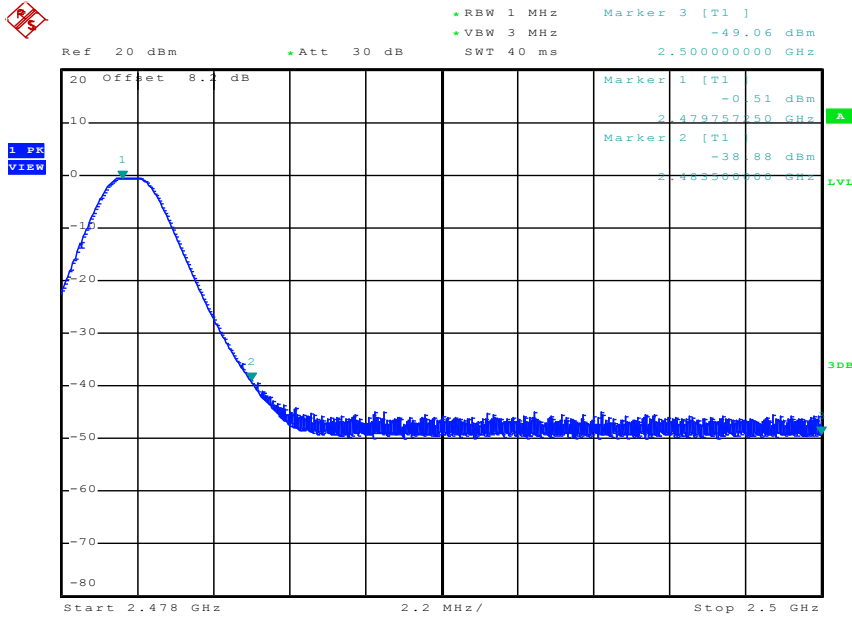
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Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



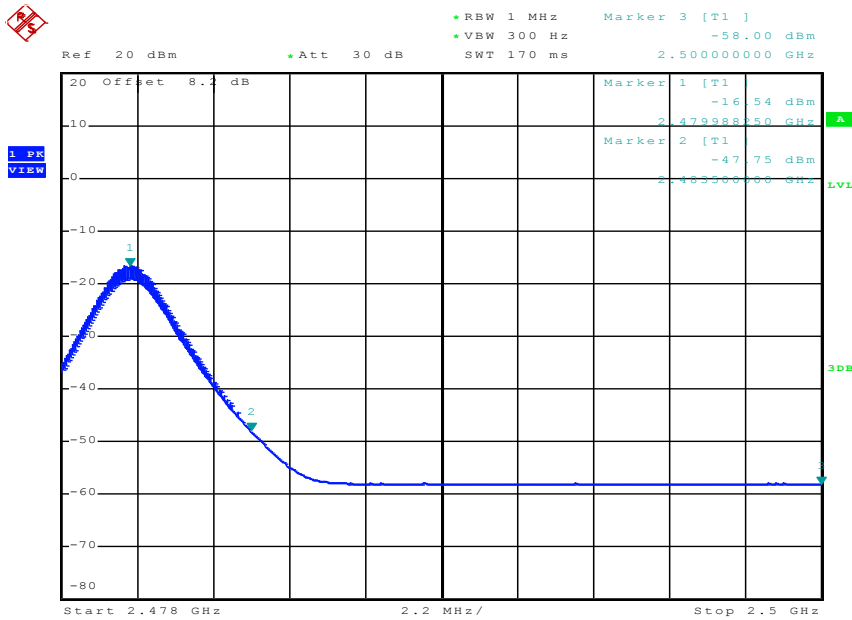
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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 21.AUG.2019 17:19:11

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



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