

Appendix B

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

Product Name: 4G PHONE

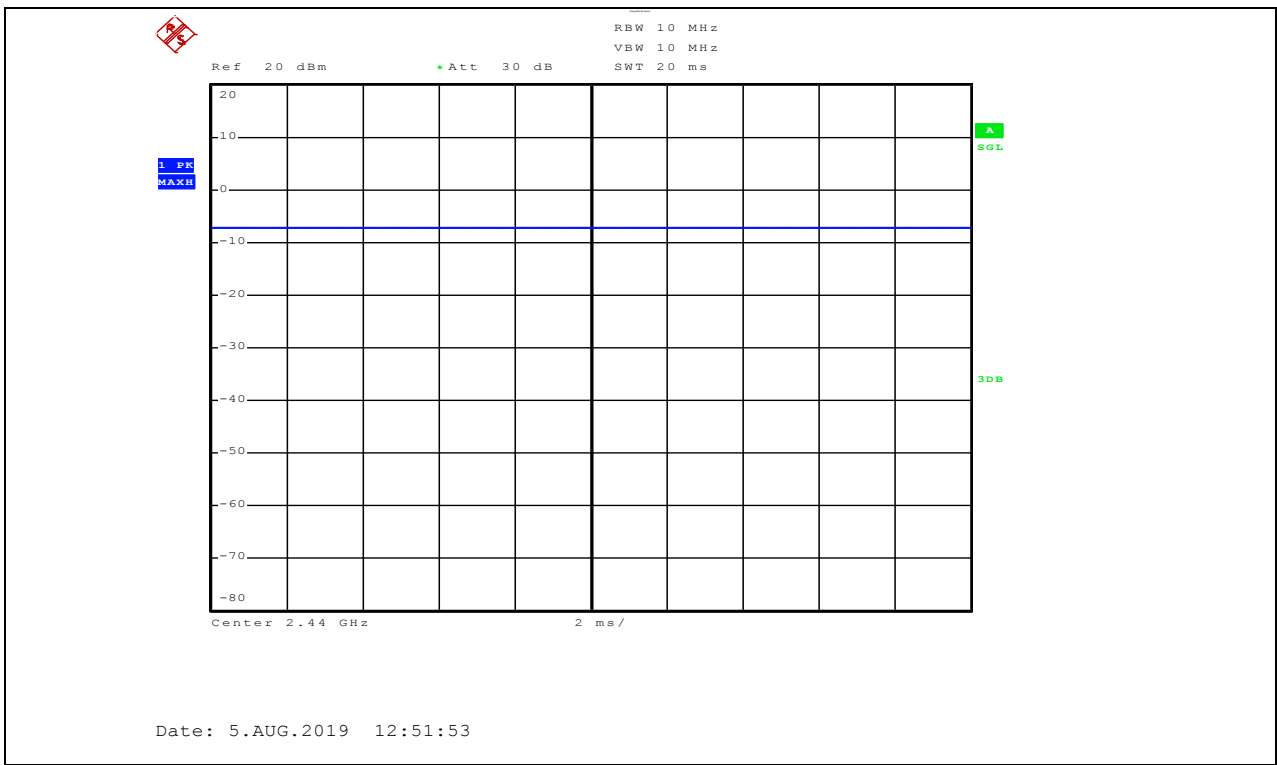
Test Model: BSCUS01

Environmental Conditions

Temperature:	24.3 °C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Wang Chuang

B.1 Duty Cycle

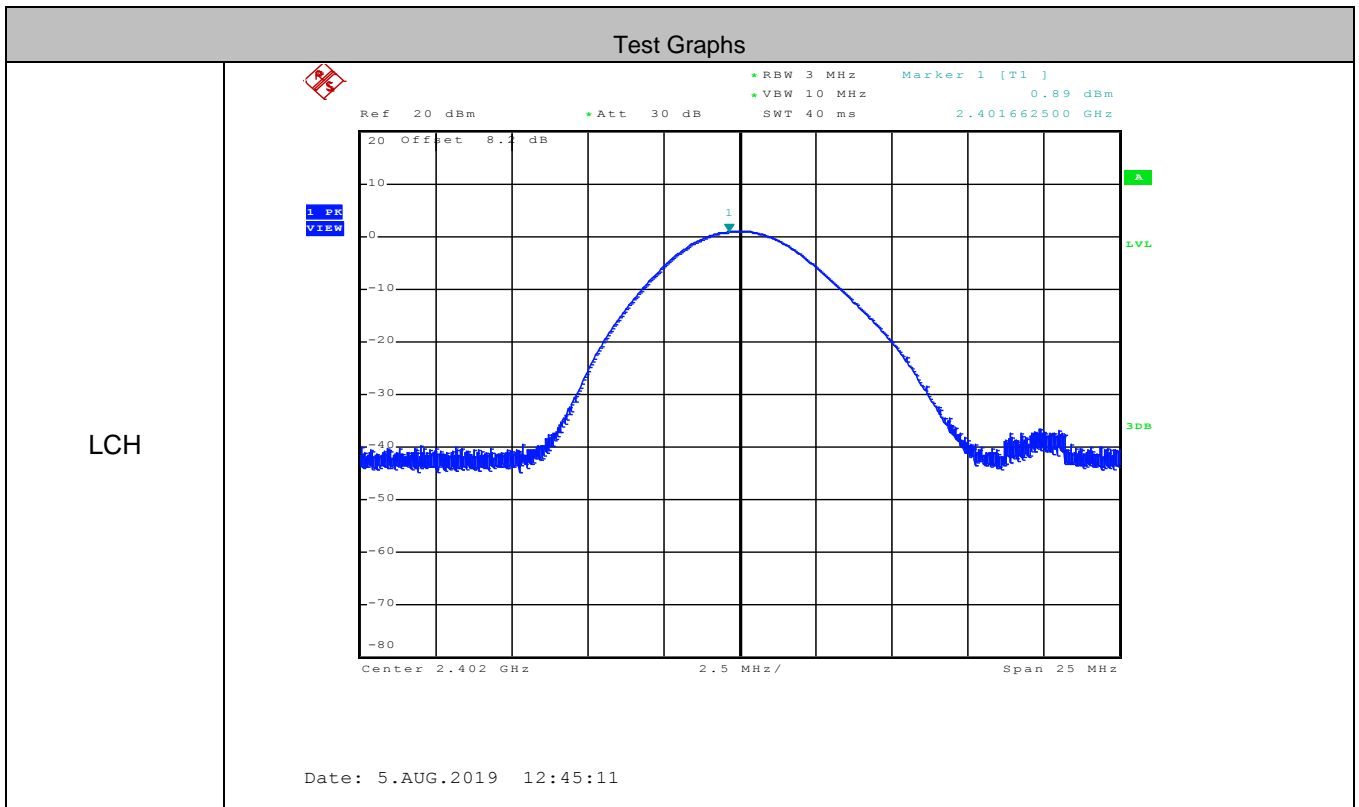
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



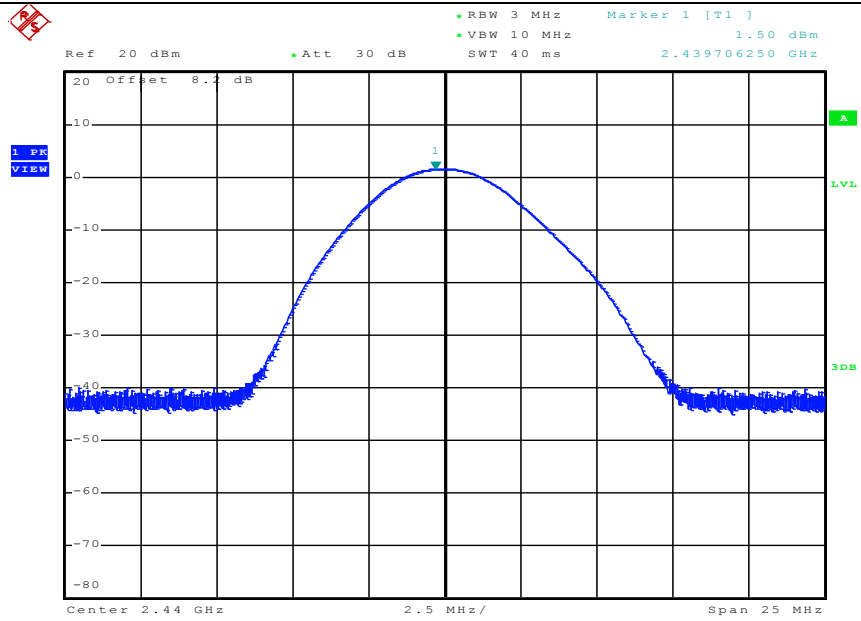
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B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Conduct Average Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.89	0.679	30	PASS
BT LE	MCH	1.50	1.345	30	PASS
BT LE	HCH	0.19	0.004	30	PASS

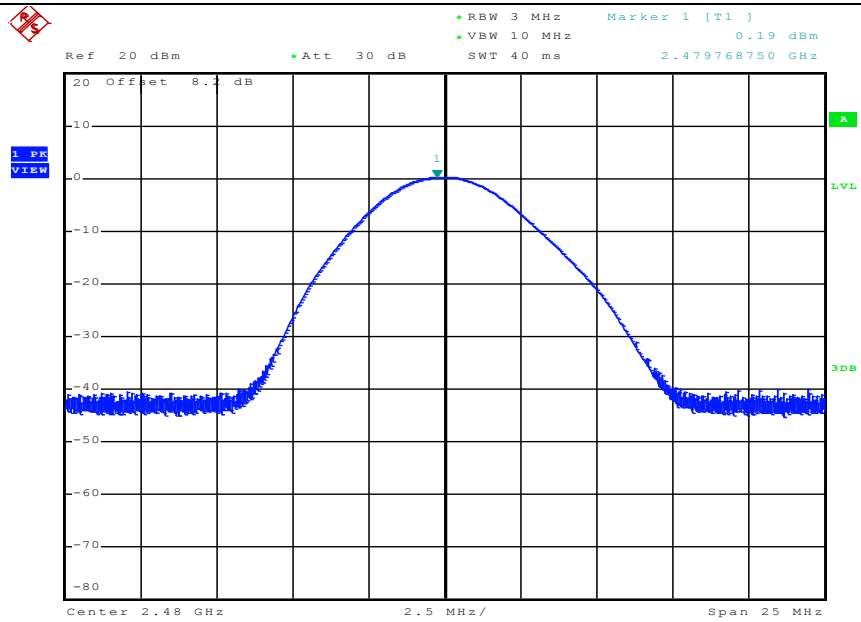


MCH



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HCH



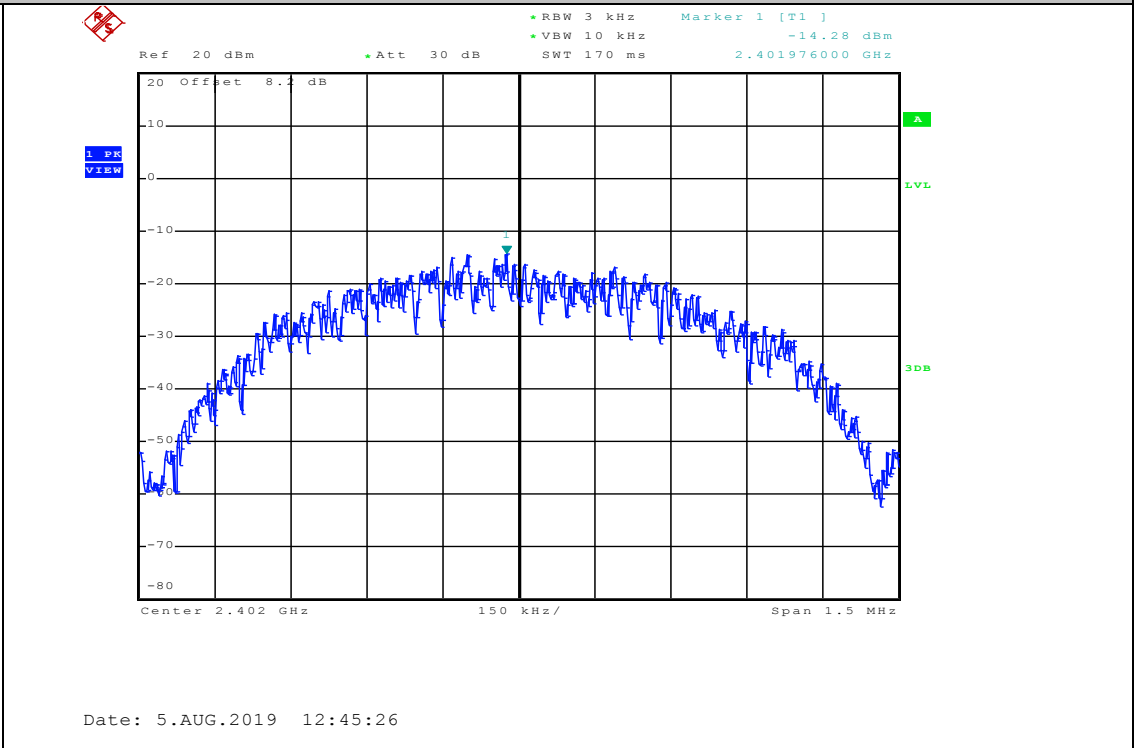
Date: 5.AUG.2019 12:49:42

B.3 Maximum Power Spectral Density

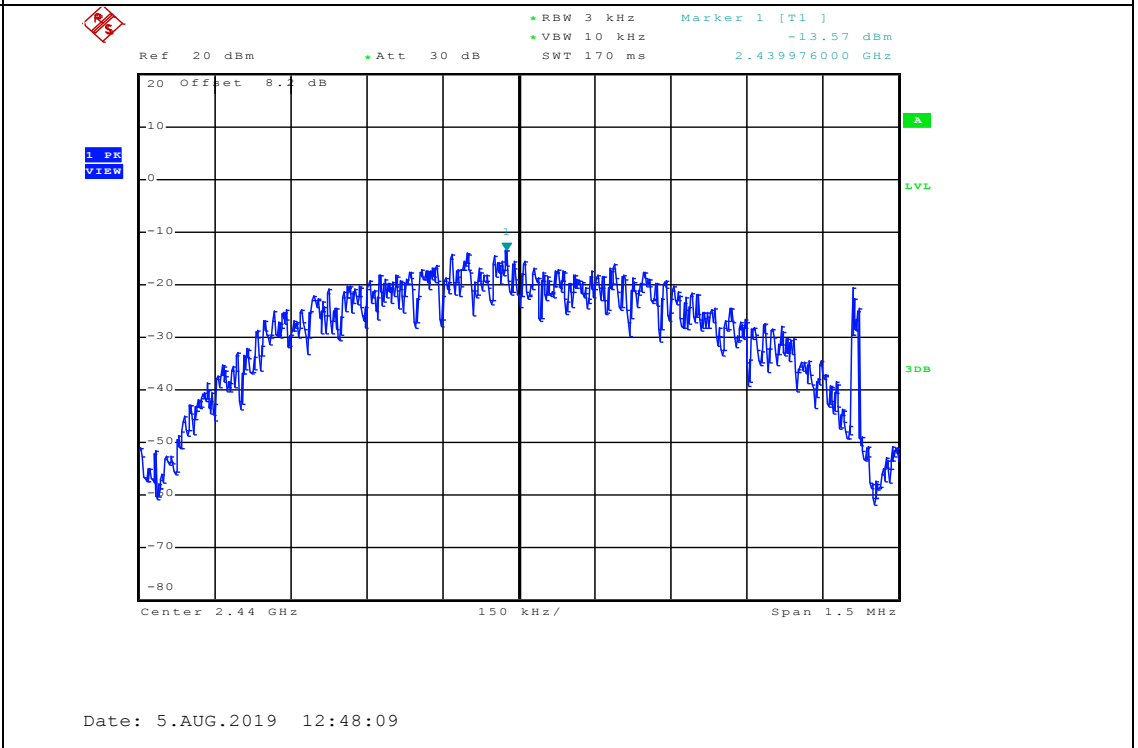
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.280	8	PASS
BT LE	MCH	-13.570	8	PASS
BT LE	HCH	-14.850	8	PASS

Test Graphs

LCH



MCH

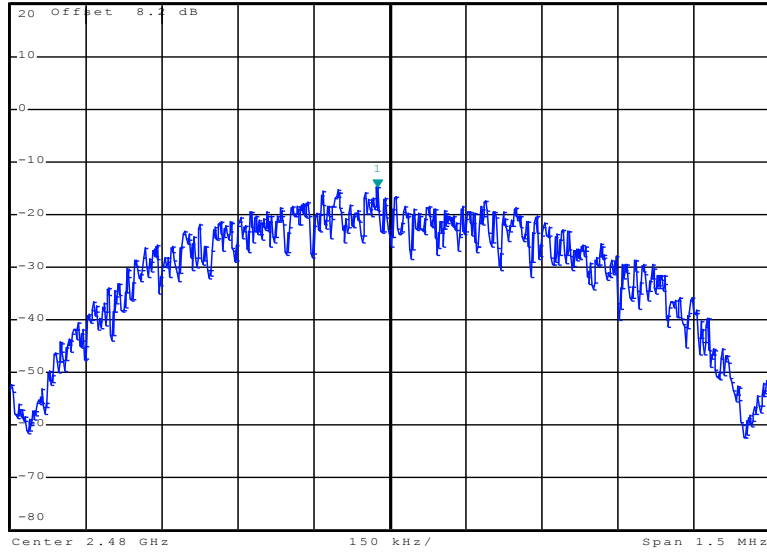


HCH



Ref 20 dBm * Att 30 dB RBW 3 kHz Marker 1 [T1] -14.85 dBm
VBW 10 kHz SWT 170 ms 2.479976000 GHz

1 PR
VIEW



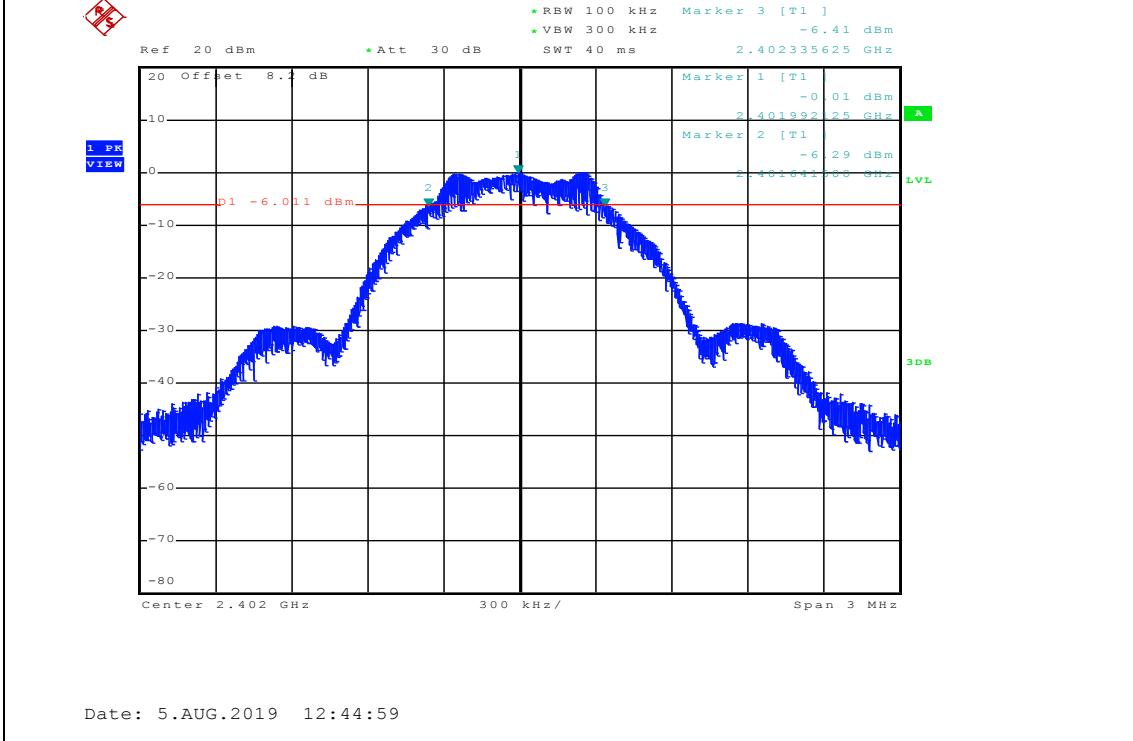
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B.4 6dB Bandwidth

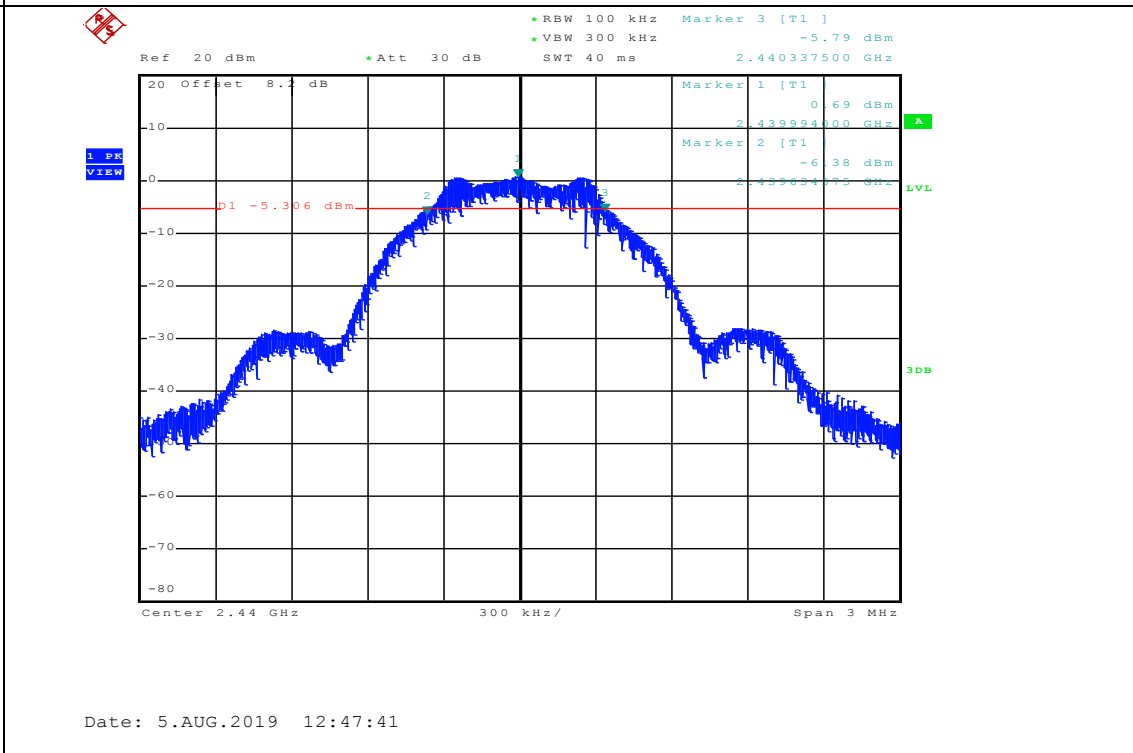
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.694	≥0.5	PASS
BT LE	MCH	0.703	≥0.5	PASS
BT LE	HCH	0.697	≥0.5	PASS

Test Graphs

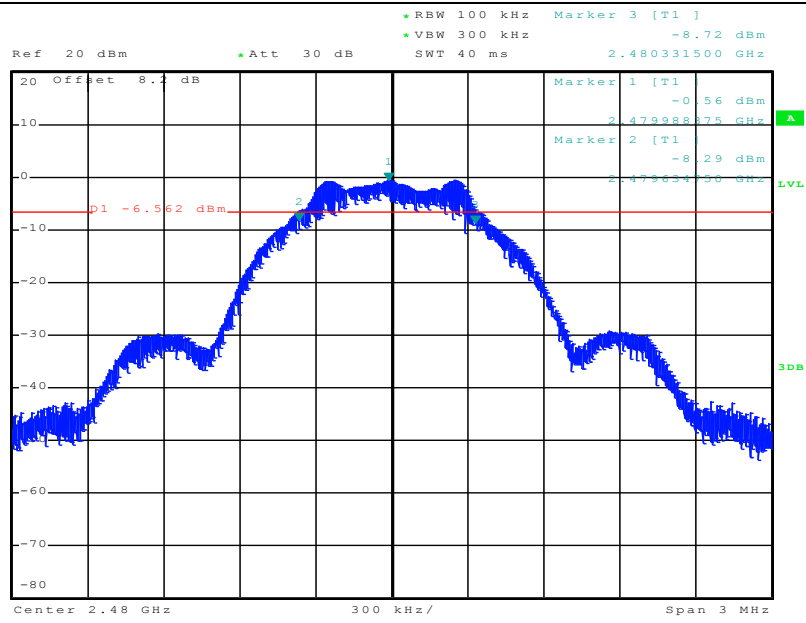
LCH



MCH



HCH

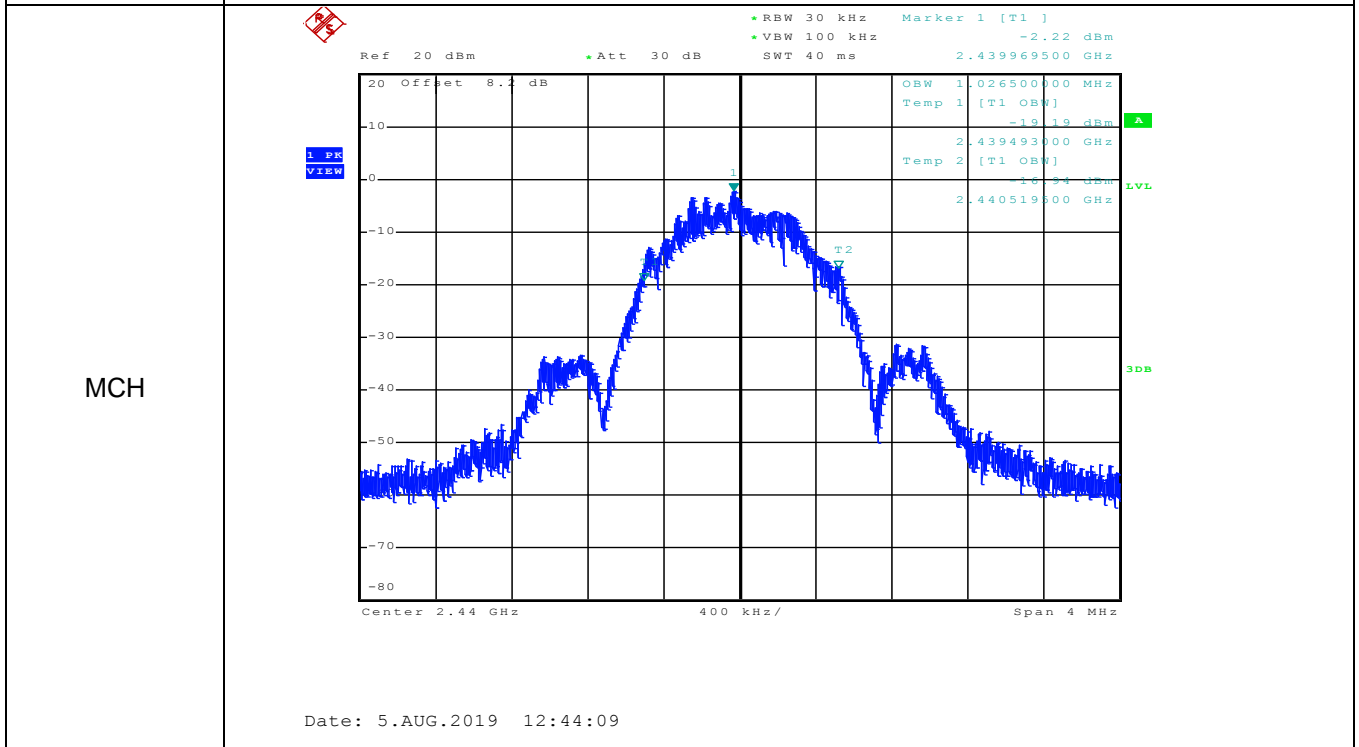
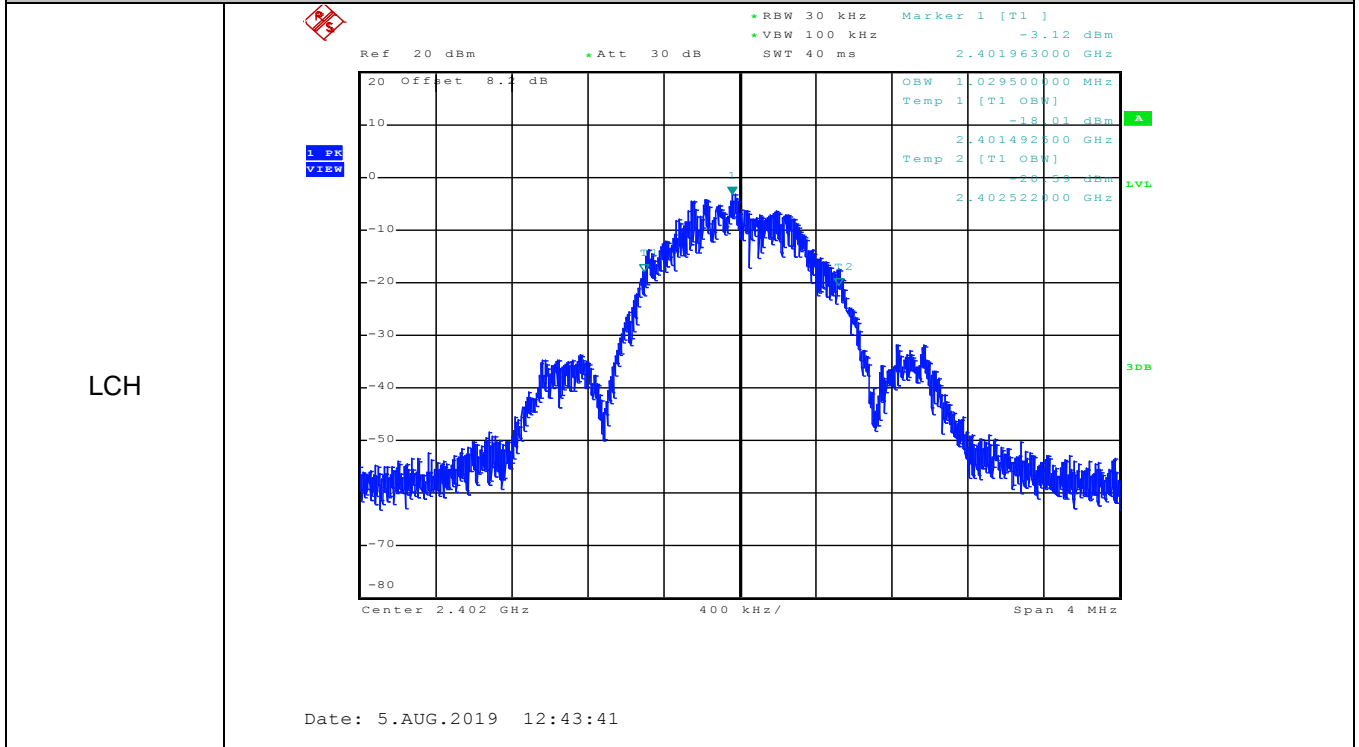


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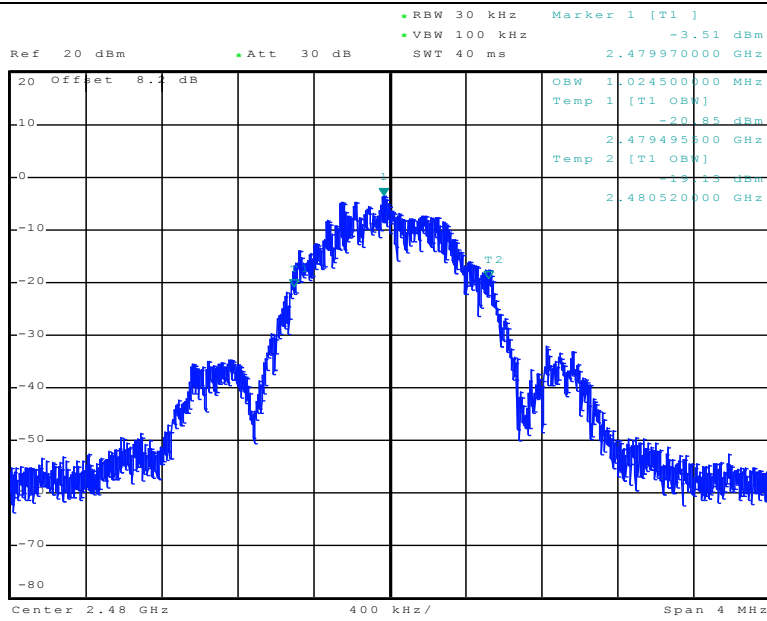
B.5 Occupied Bandwidth

Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.030	≥0.5	PASS
BT LE	MCH	1.027	≥0.5	PASS
BT LE	HCH	1.025	≥0.5	PASS

Test Graphs



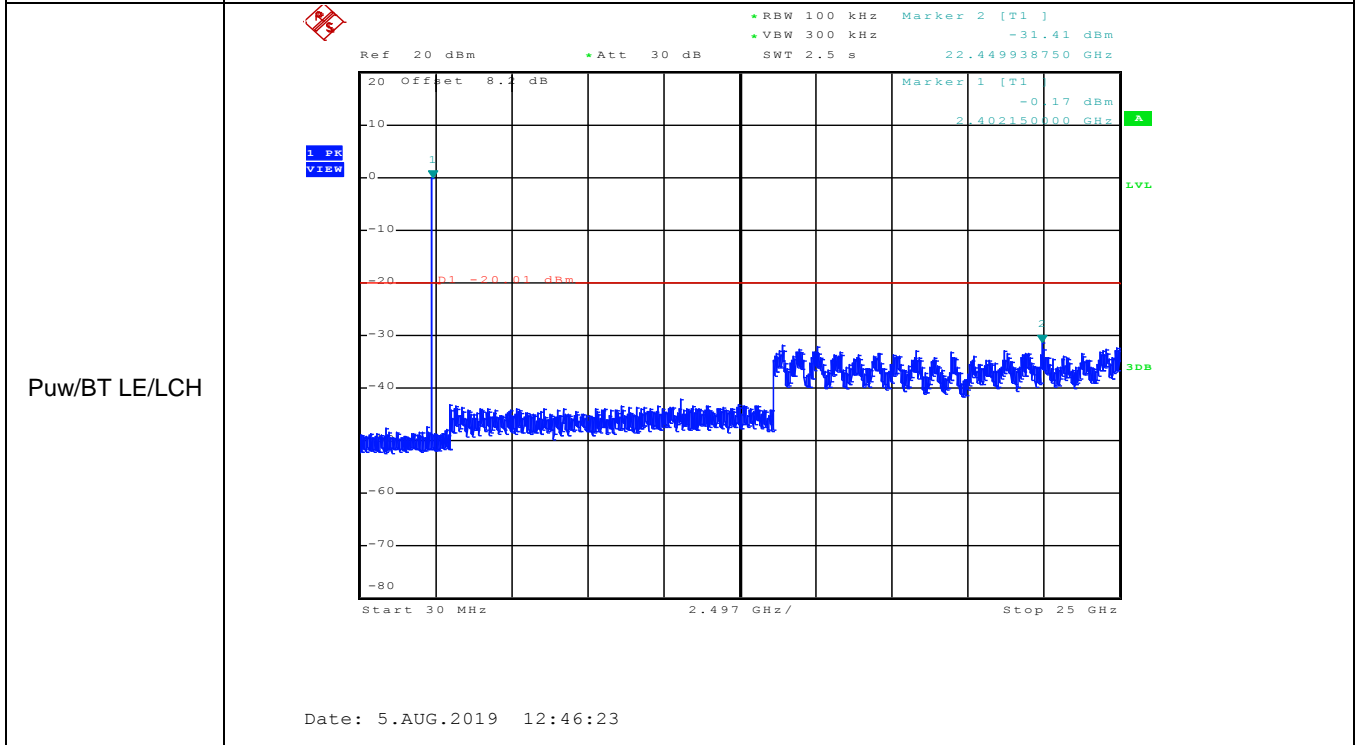
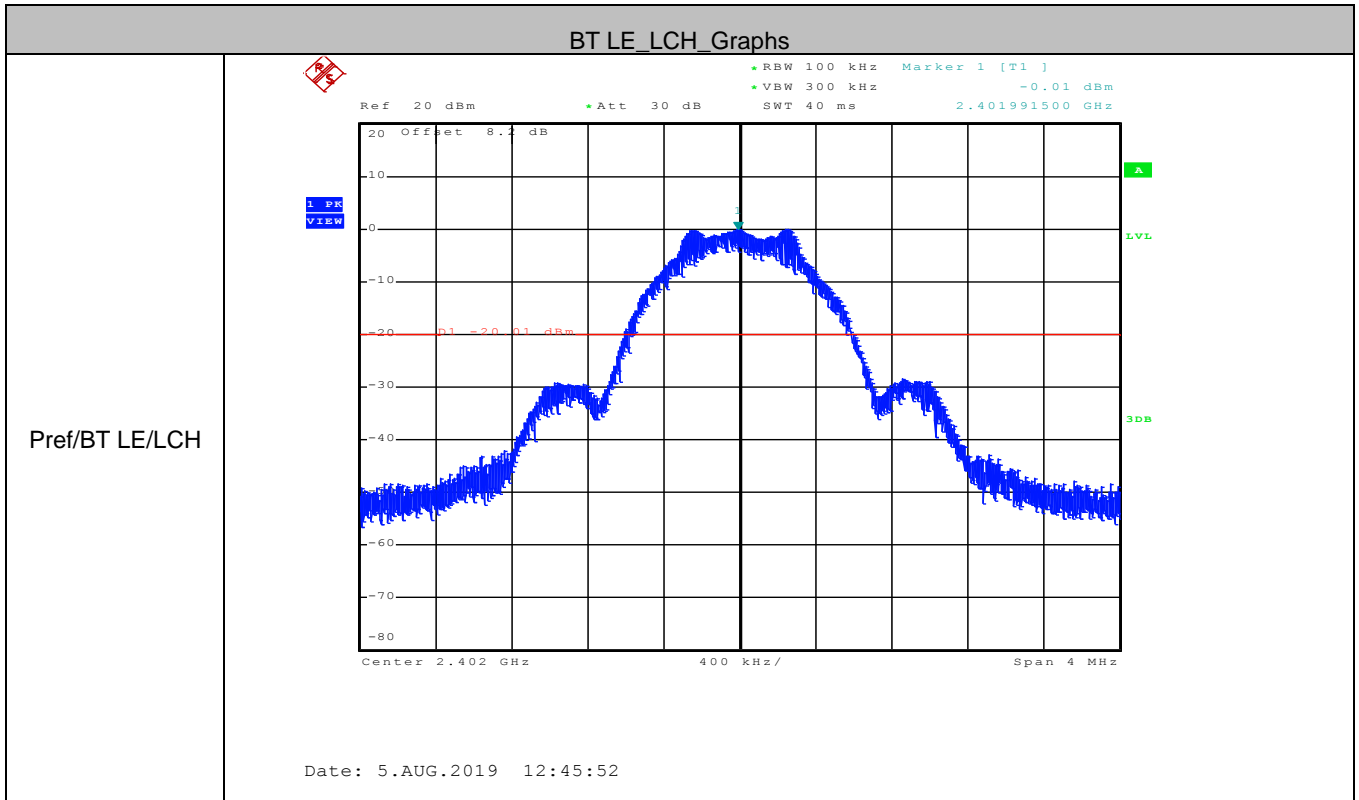
HCH



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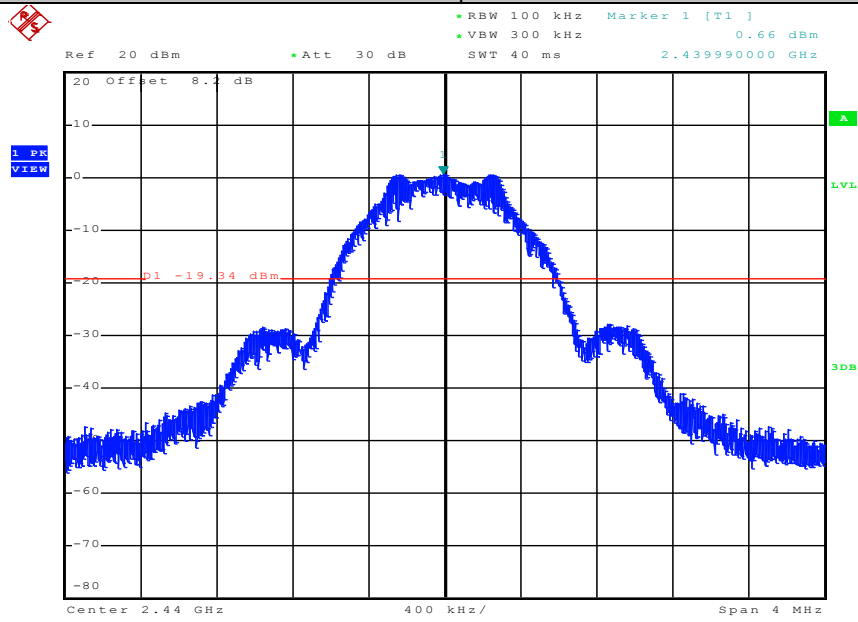
B.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.01	-31.410	-20.010	PASS
BT LE	MCH	0.66	-31.970	-19.340	PASS
BT LE	HCH	-0.61	-31.350	-20.610	PASS



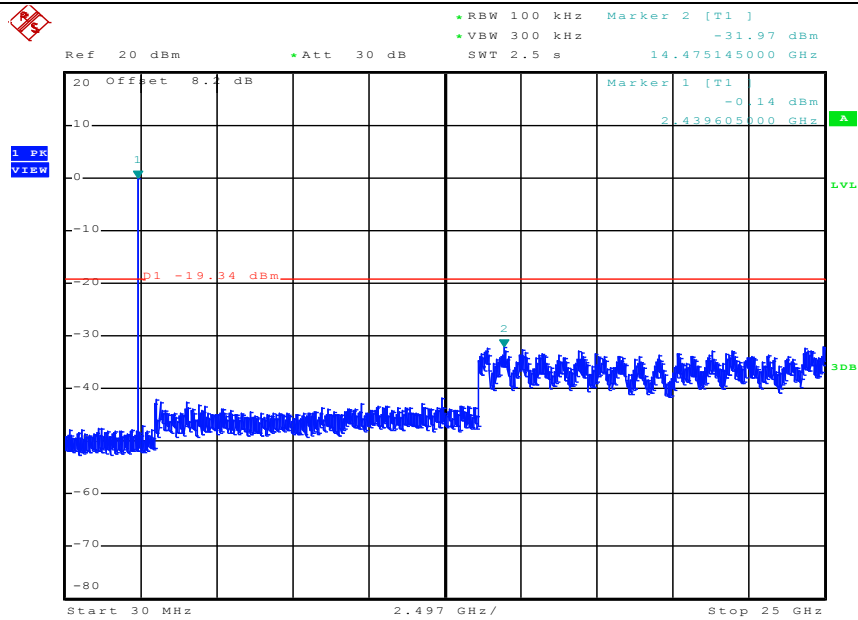
BT LE_MCH_Graphs

Pref/BT LE/MCH



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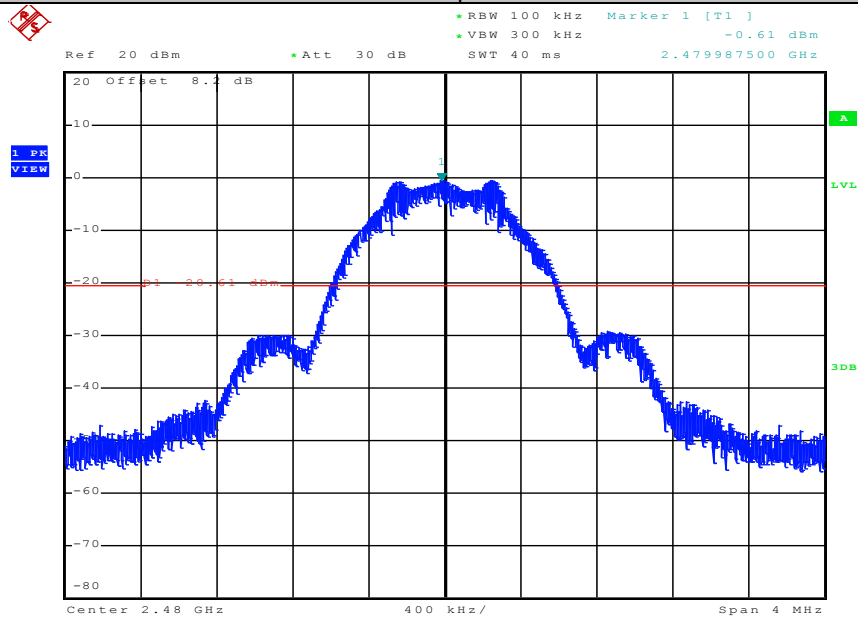
Puw/BT LE/MCH



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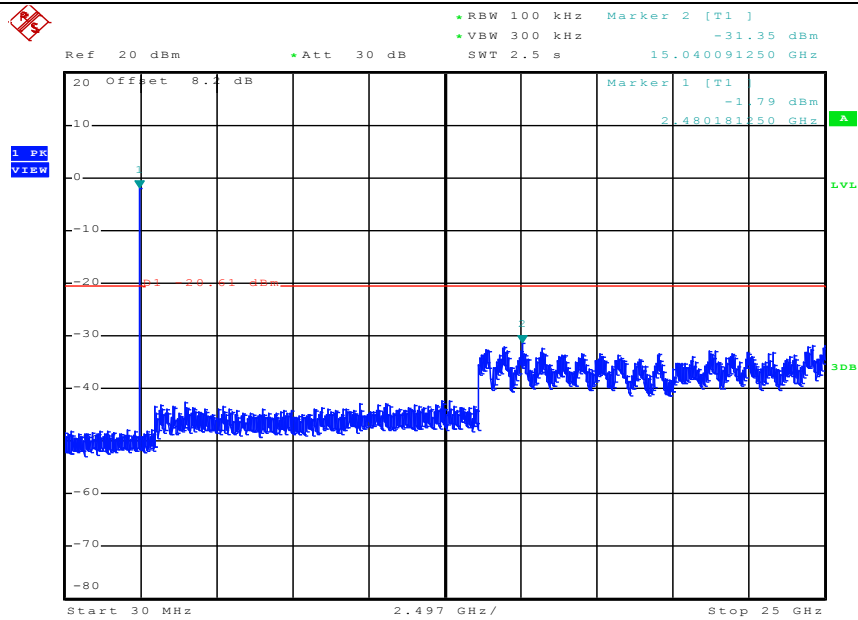
BT LE_HCH_Graphs

Pref/BT LE/HCH



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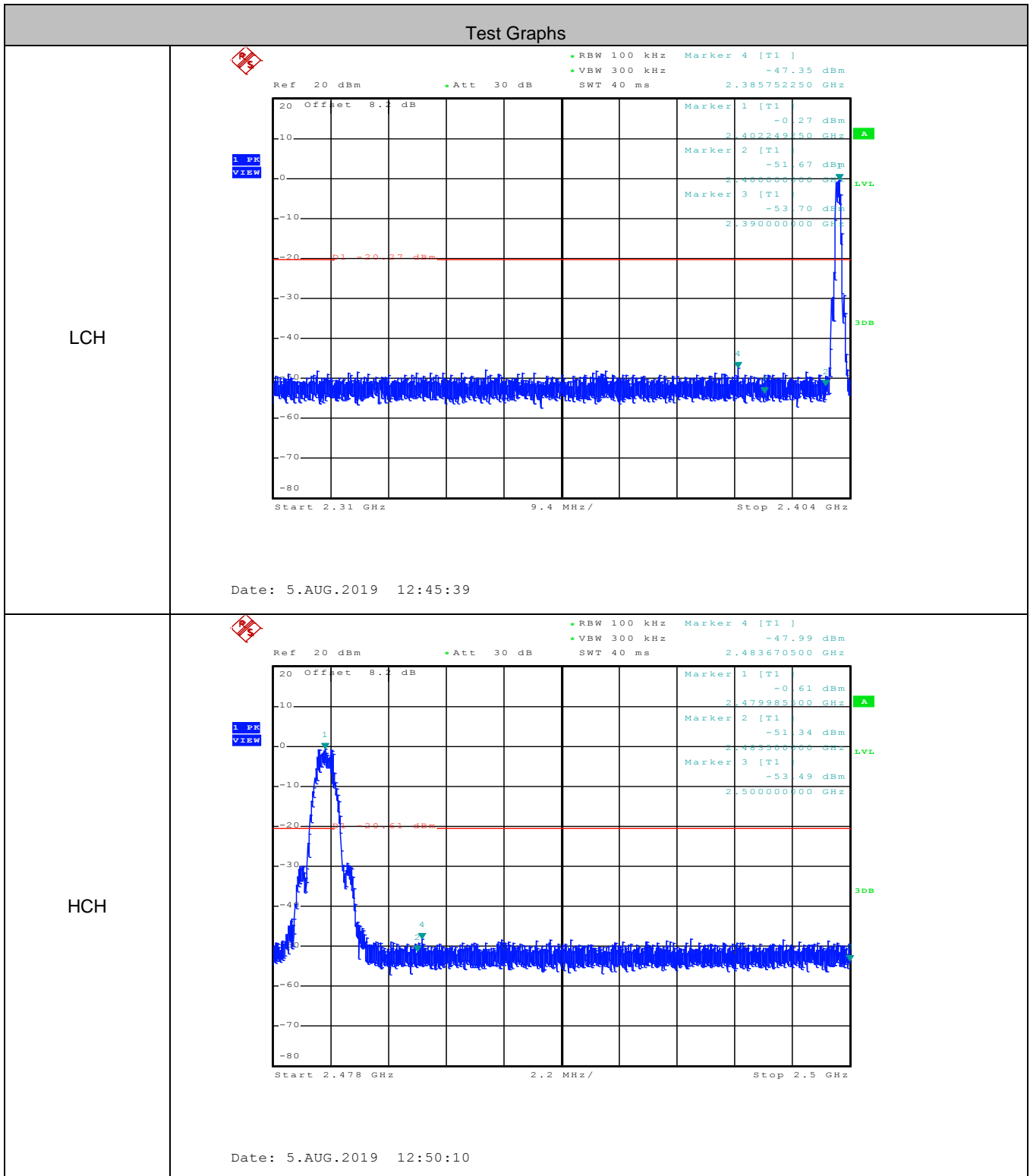
Puw/BT LE/HCH



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B.7 Band-edge for RF Conducted Emissions

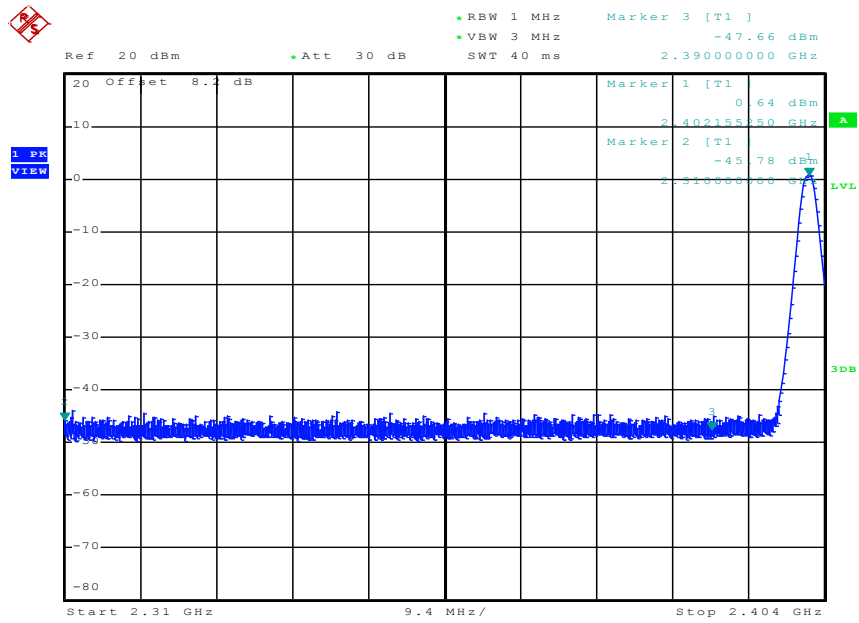
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.270	-47.347	-20.27	PASS
BT LE	HCH	-0.610	-47.994	-20.61	PASS



B.8 Restrict-band band-edge measurements

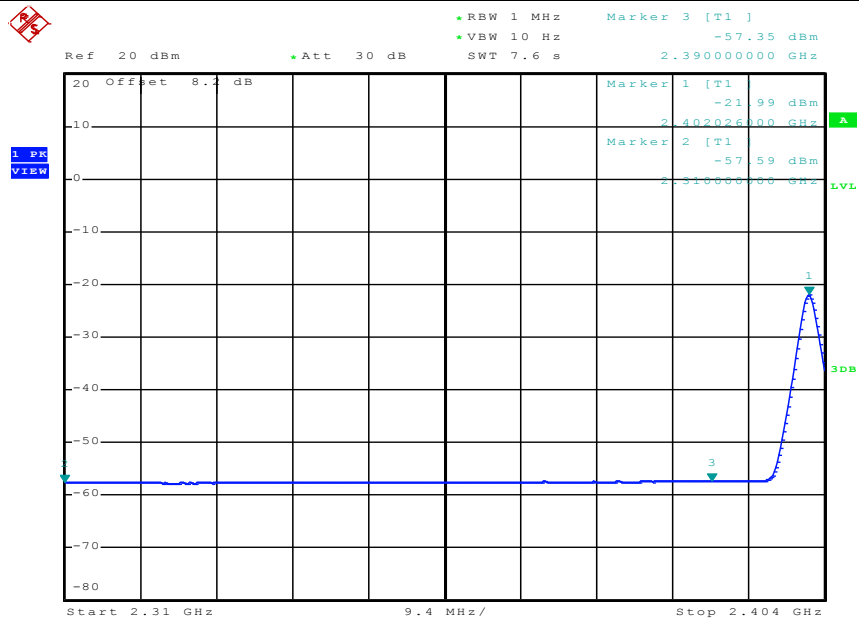
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-45.78	2.0	0	51.48	PEAK	74	PASS
		Ant1	2310.0	-57.59	2.0	0	39.67	AV	54	PASS
		Ant1	2390.0	-47.66	2.0	0	49.60	PEAK	74	PASS
		Ant1	2390.0	-57.35	2.0	0	39.91	AV	54	PASS
	2480	Ant1	2483.5	-38.26	2.0	0	59.00	PEAK	74	PASS
		Ant1	2483.5	-48.80	2.0	0	48.46	AV	54	PASS
		Ant1	2500.0	-46.08	2.0	0	51.18	PEAK	74	PASS
		Ant1	2500.0	-58.08	2.0	0	39.18	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



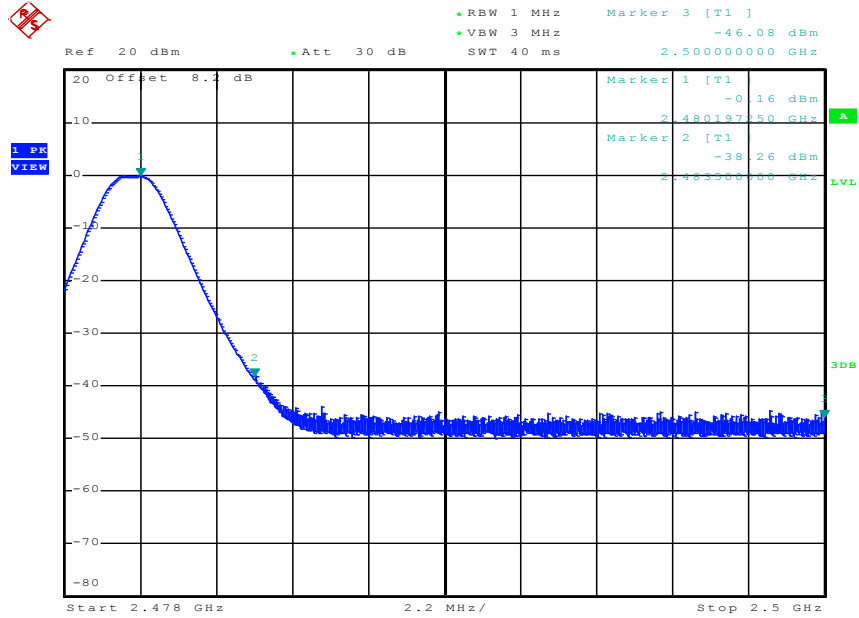
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Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



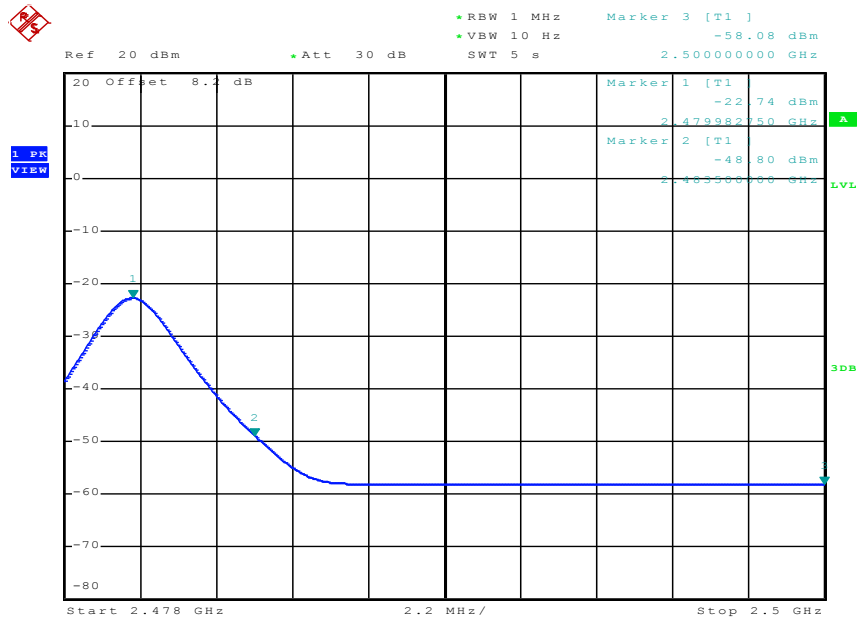
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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



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Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 5.AUG.2019 12:51:28