

Appendix C

RF Test Data for BT V5.0 (LE) (Conducted Measurement)

Product Name: WIRELESS STEREO HEADPHONES

Trade Mark: Pioneer

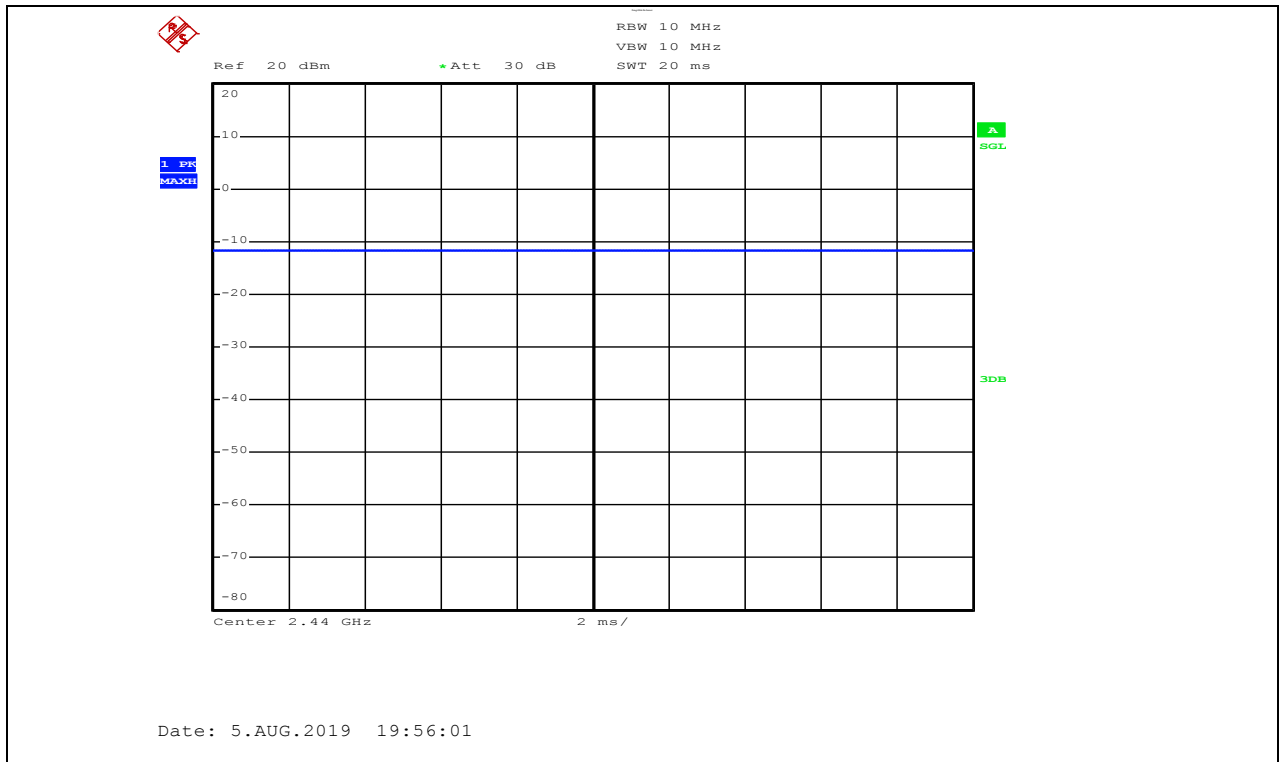
Test Model: SE-C7BTSE

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	
Supervised by:	Wang.Chuang

B.1 Duty Cycle

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

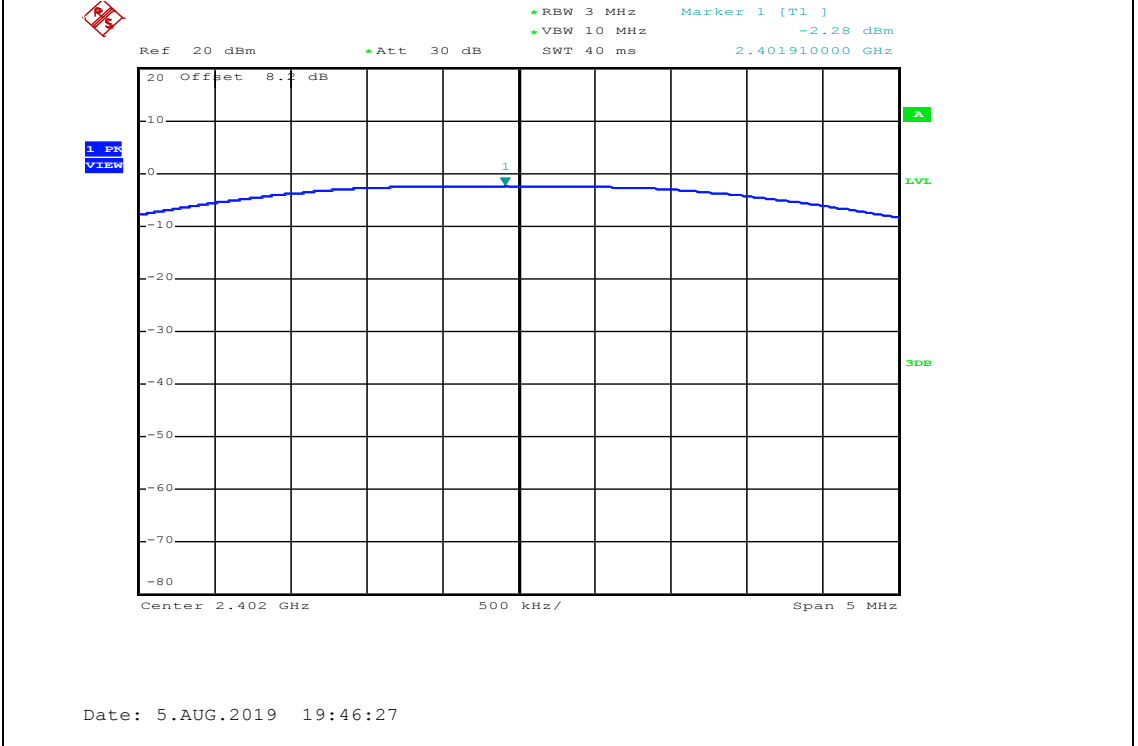


B.2 Maximum Conducted Peak Output Power

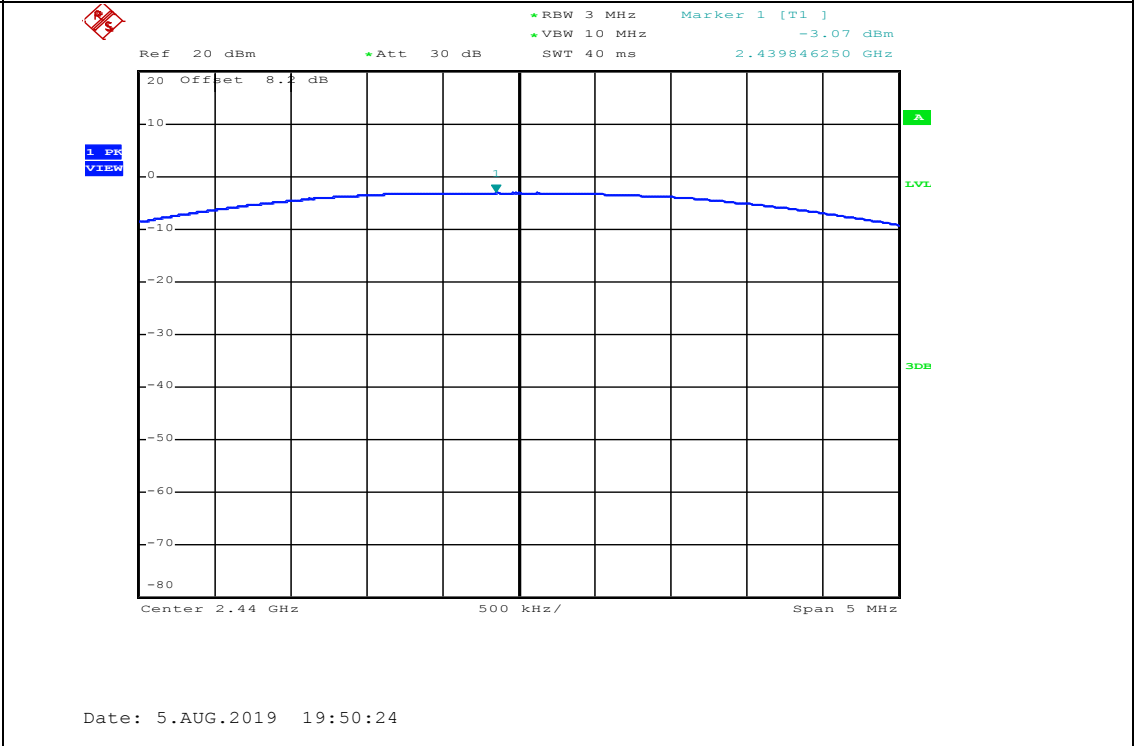
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.28	30	PASS
BT LE	MCH	-3.07	30	PASS
BT LE	HCH	-4.57	30	PASS

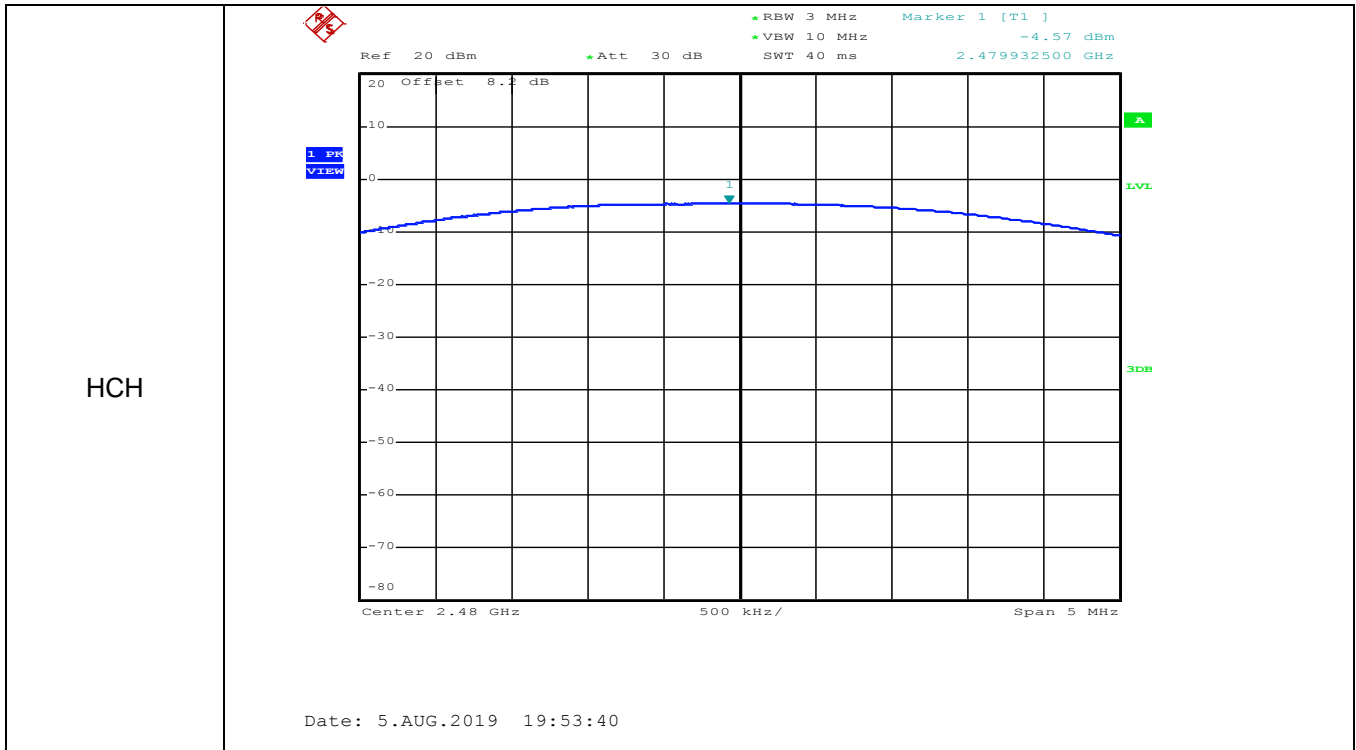
Test Graphs

LCH



MCH

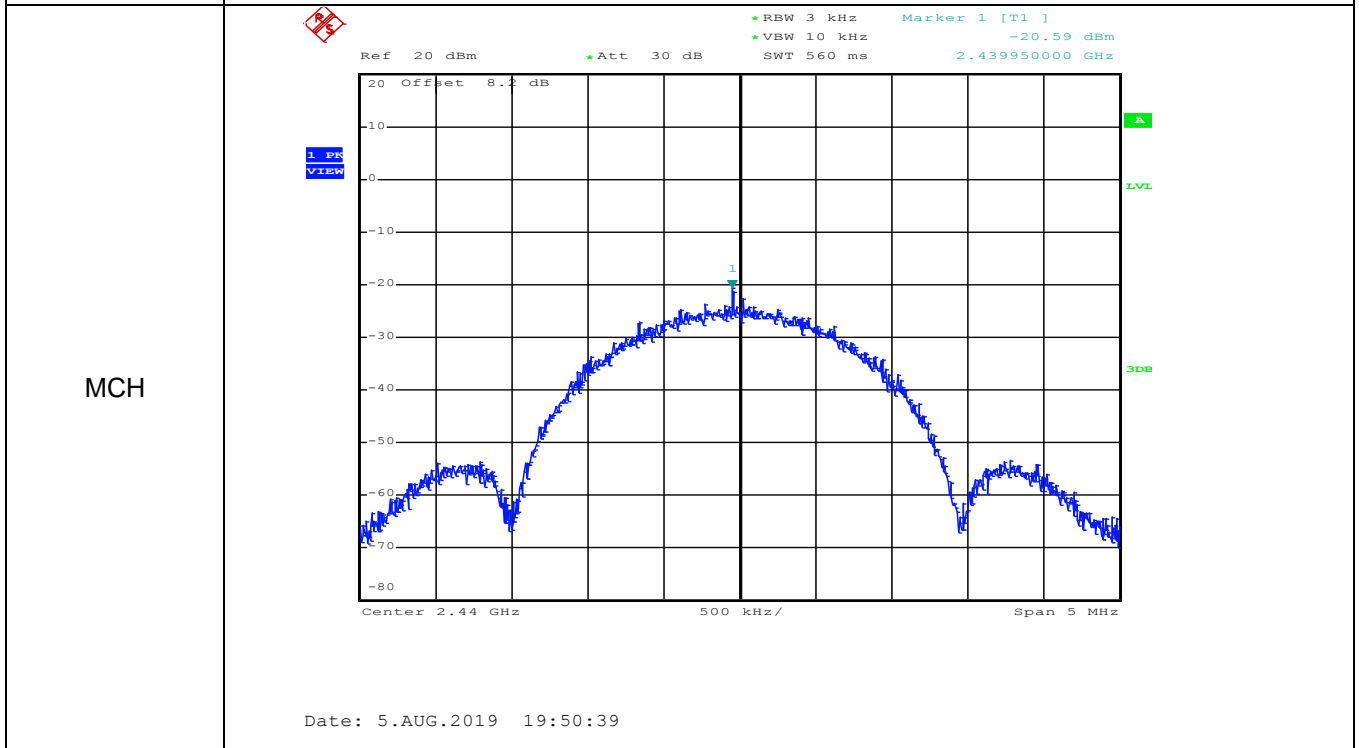
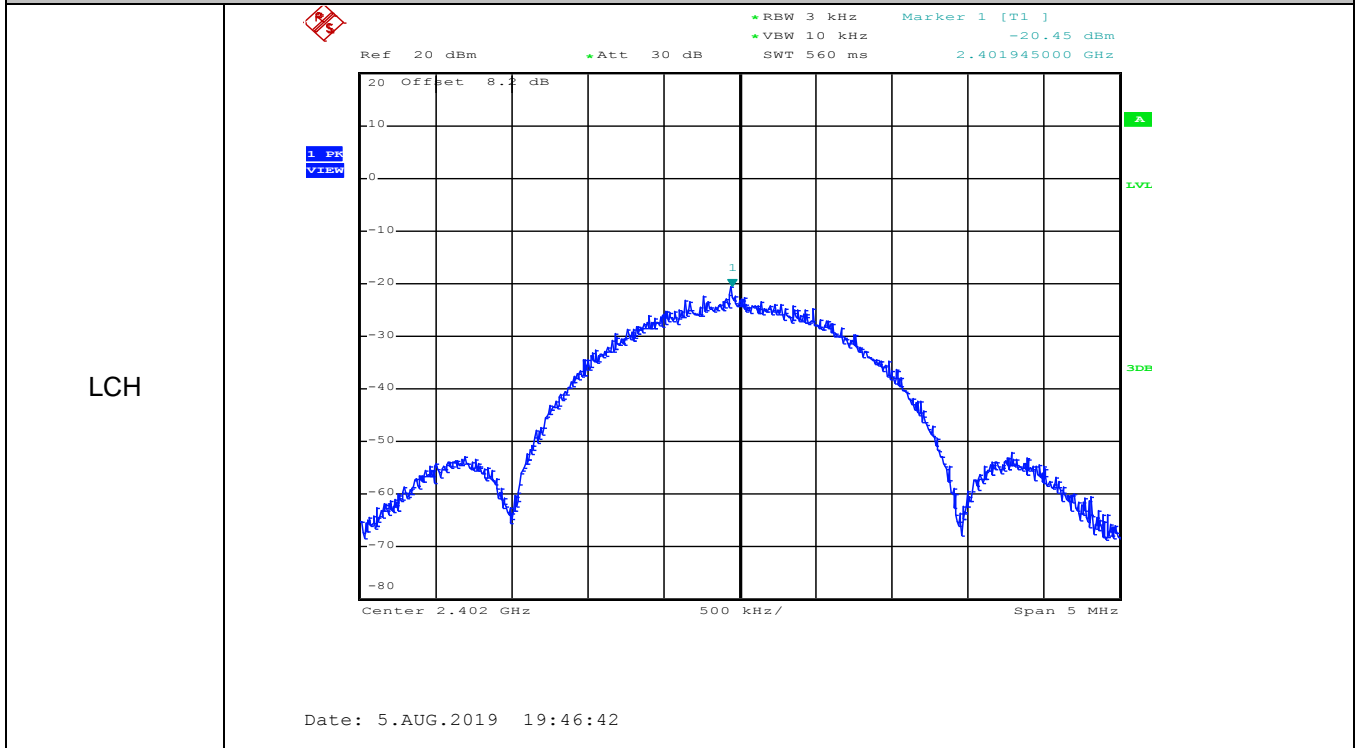




B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-20.450	8	PASS
BT LE	MCH	-20.590	8	PASS
BT LE	HCH	-22.600	8	PASS

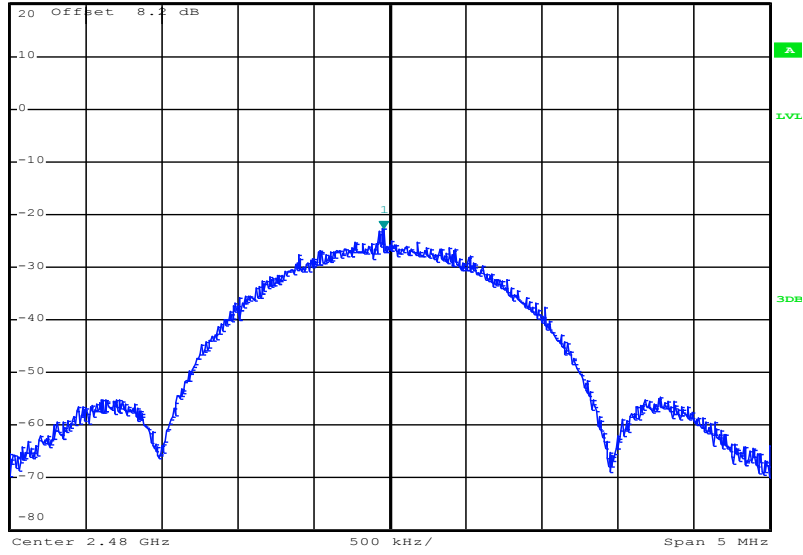
Test Graphs



HCH



Ref 20 dBm *Att 30 dB *RBW 3 kHz Marker 1 [T1]
*VBW 10 kHz -22.60 dBm
SWT 560 ms 2.479960000 GHz



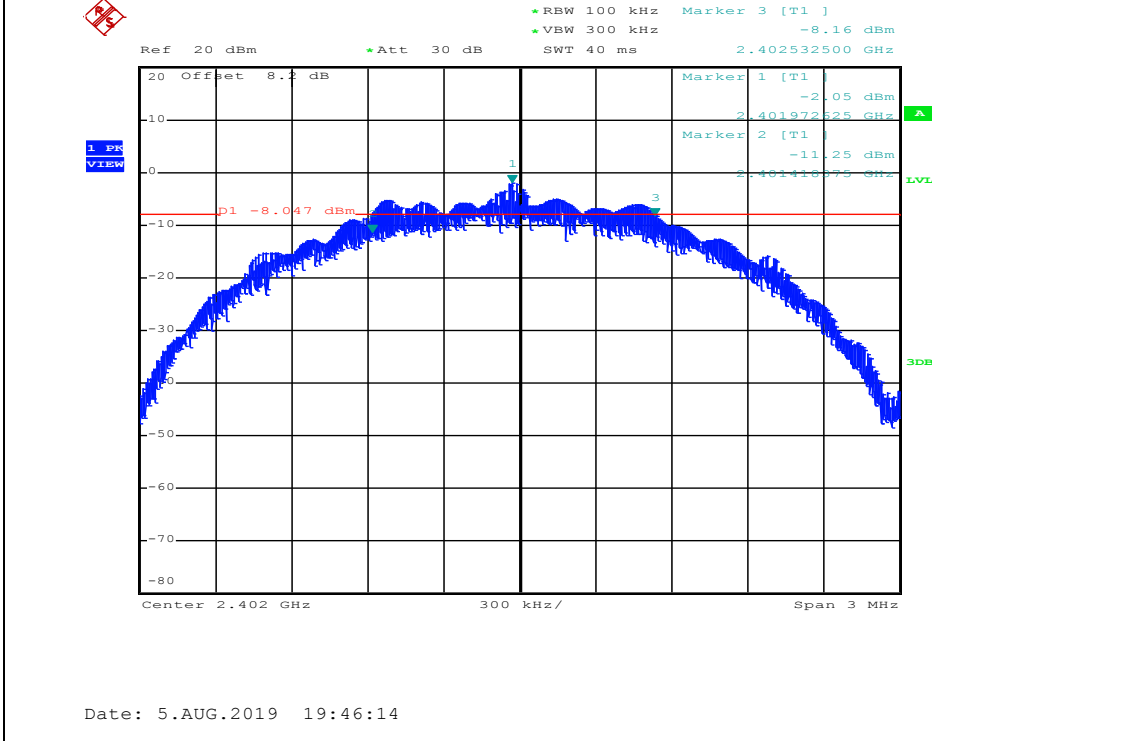
Date: 5.AUG.2019 19:53:55

B.4 6dB Bandwidth

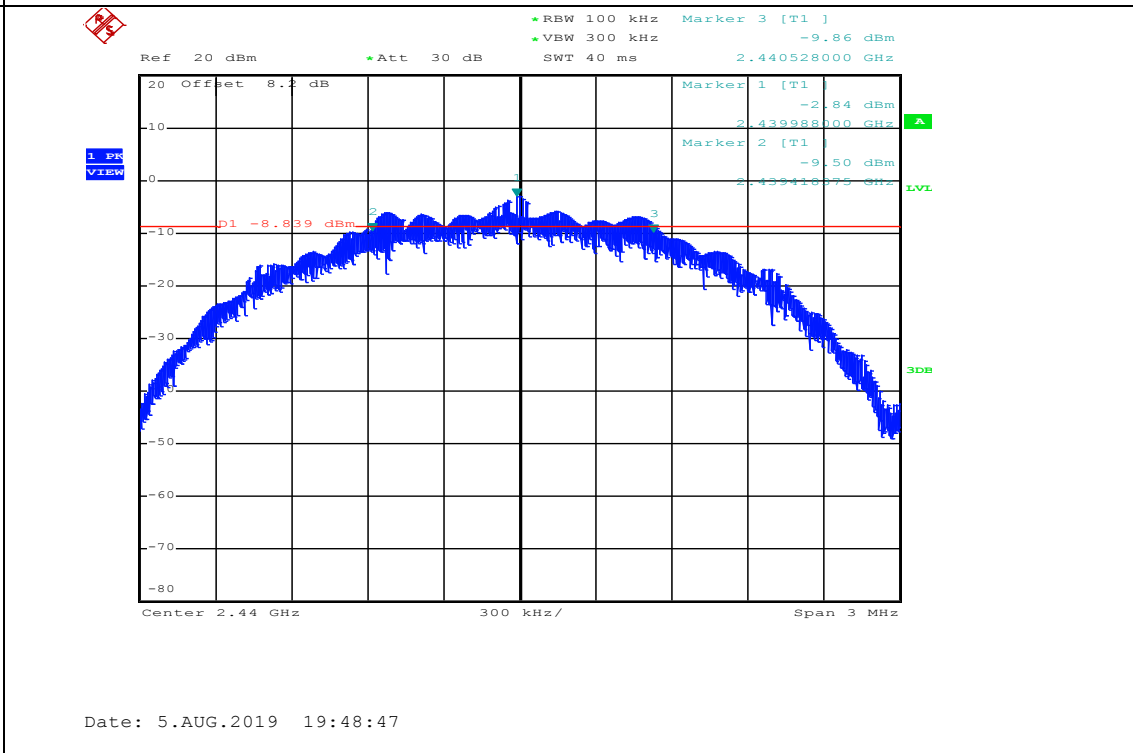
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.114	≥0.5	PASS
BT LE	MCH	1.110	≥0.5	PASS
BT LE	HCH	1.112	≥0.5	PASS

Test Graphs

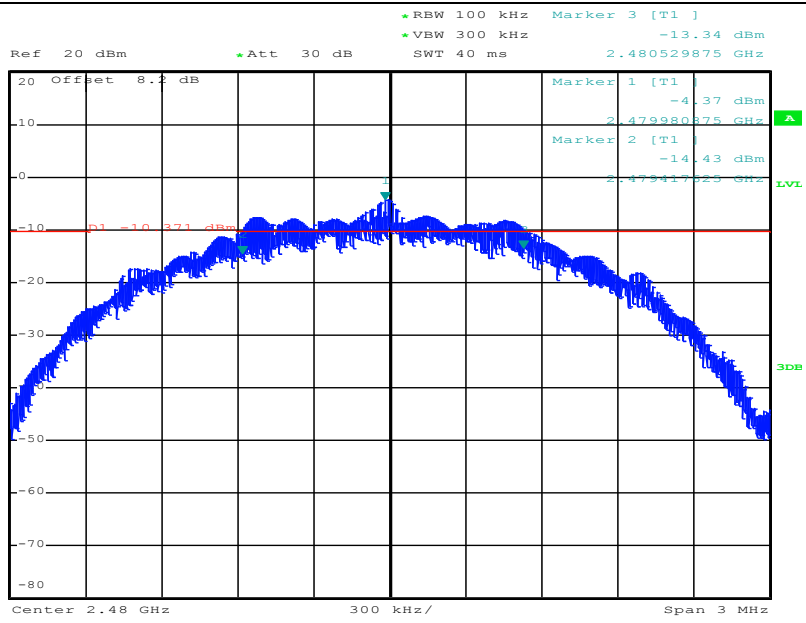
LCH



MCH



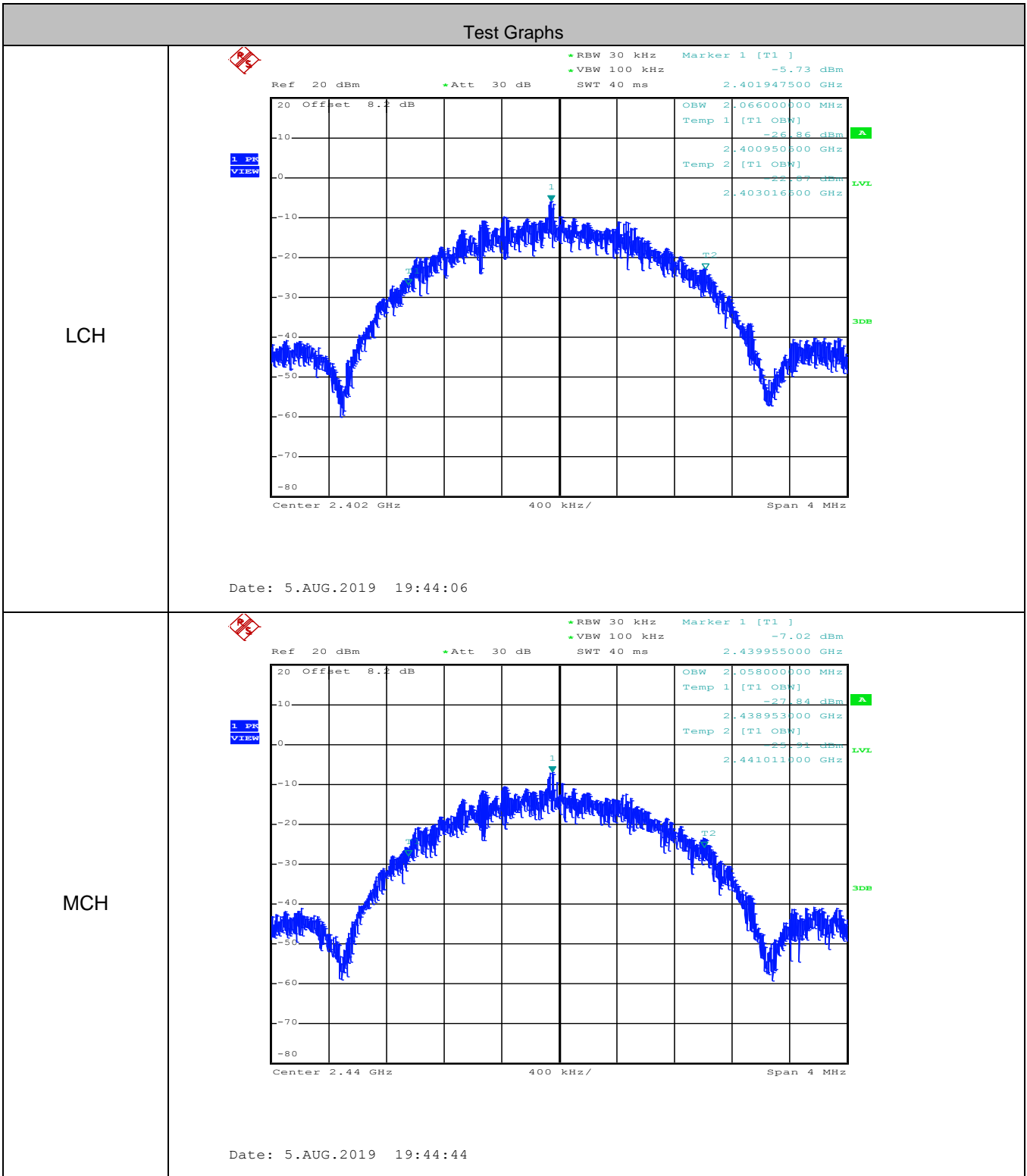
HCH

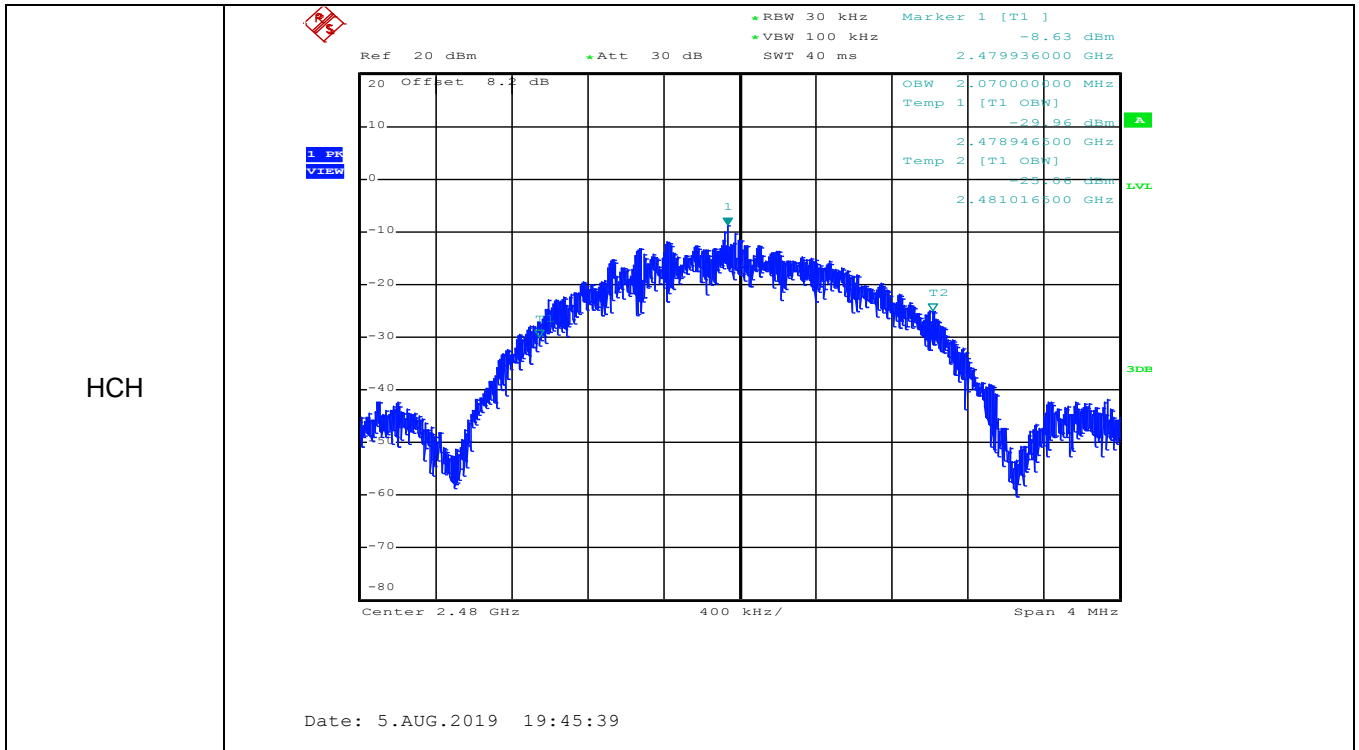


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B.5 Occupied Bandwidth

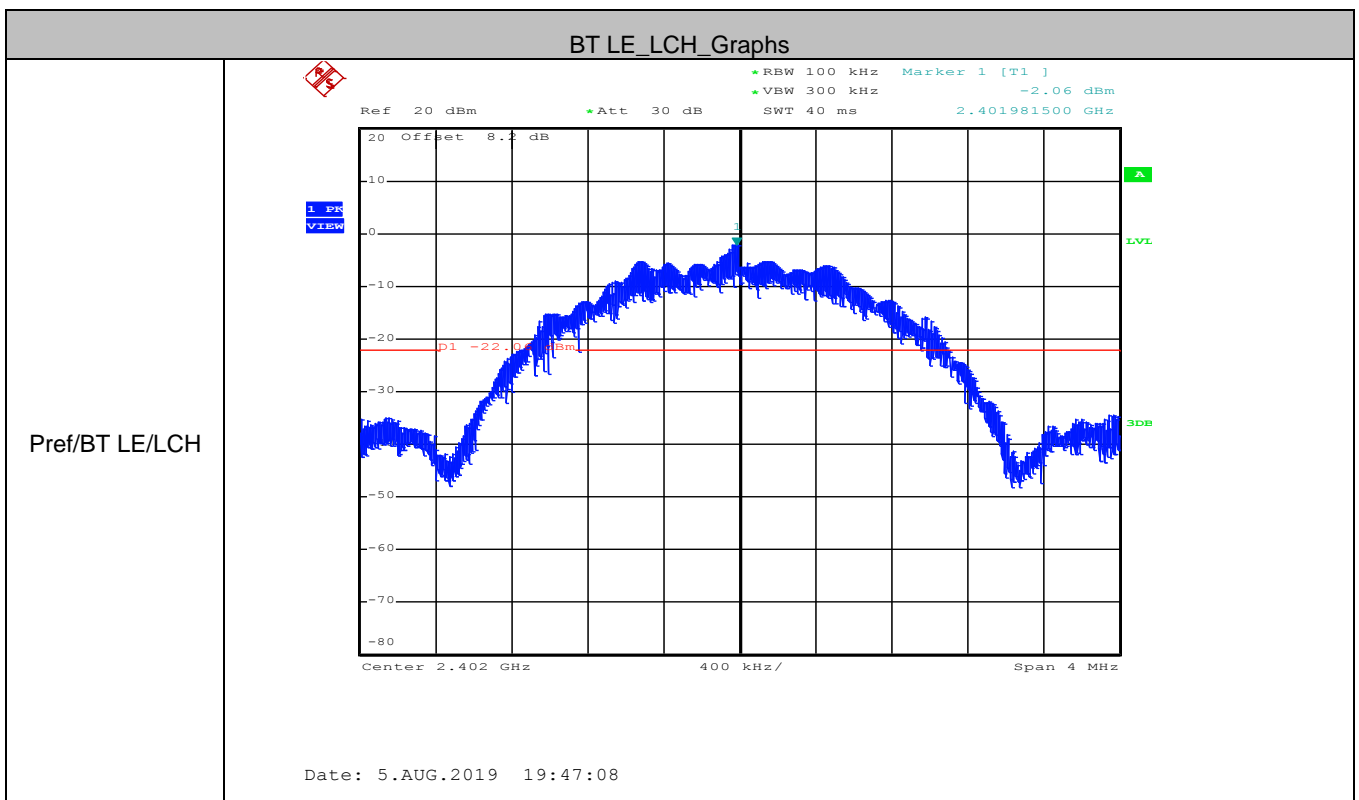
Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	2.066	≥ 0.5	PASS
BT LE	MCH	2.058	≥ 0.5	PASS
BT LE	HCH	2.070	≥ 0.5	PASS



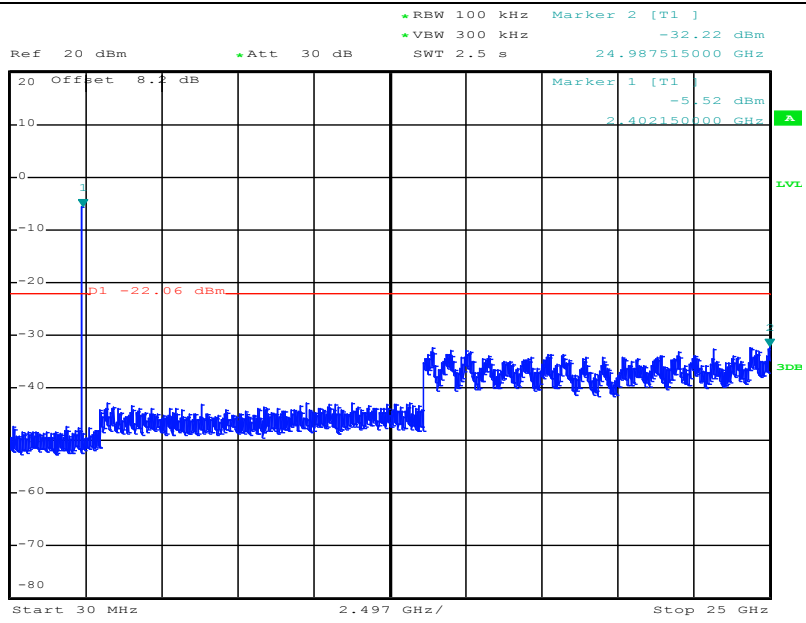


B.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.06	-32.220	-22.060	PASS
BT LE	MCH	-2.83	-30.800	-22.830	PASS
BT LE	HCH	-4.37	-31.440	-24.370	PASS



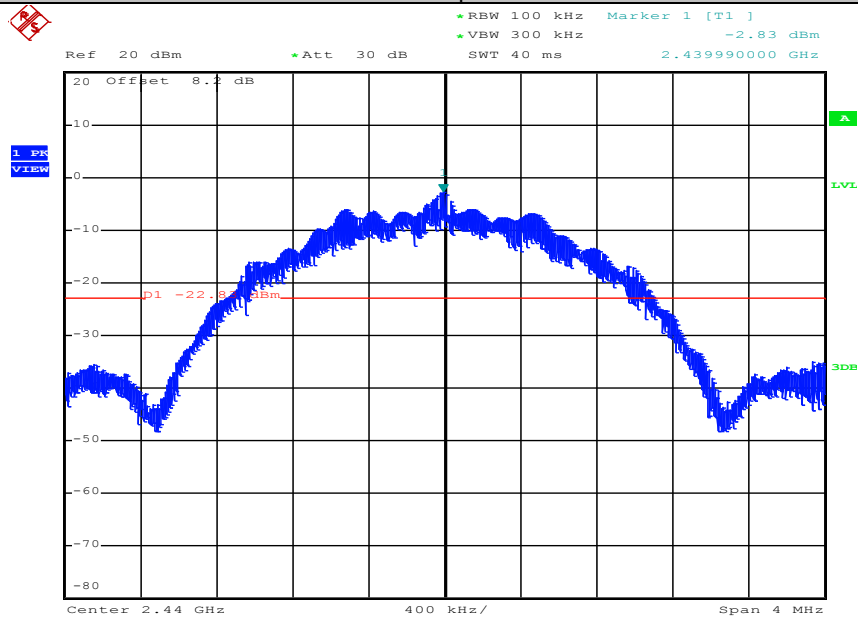
Puw/BT LE/LCH



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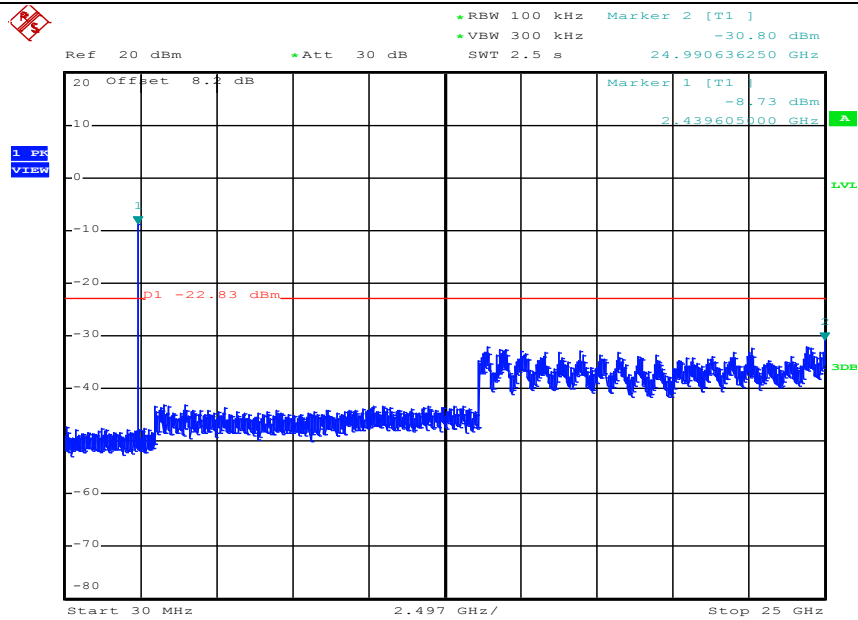
BT LE_MCH_Graphs

Pref/BT LE/MCH



Date: 5.AUG.2019 19:50:51

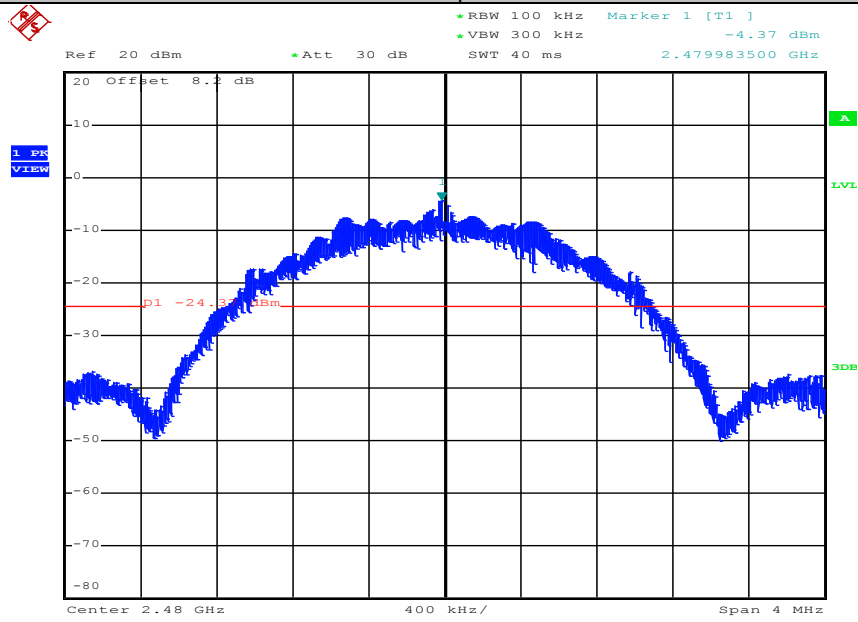
Puw/BT LE/MCH



Date: 5.AUG.2019 19:51:22

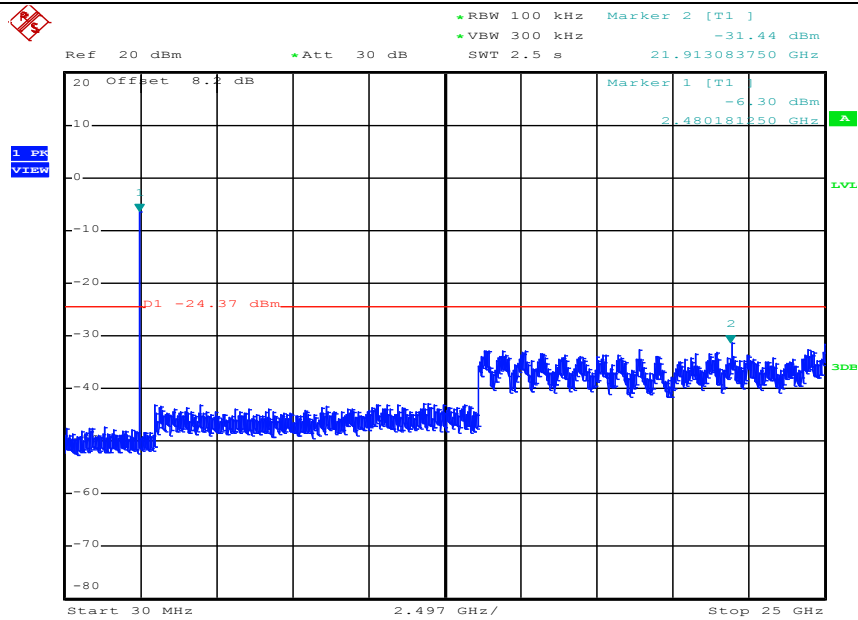
BT LE_HCH_Graphs

Pref/BT LE/HCH



Date: 5.AUG.2019 19:54:21

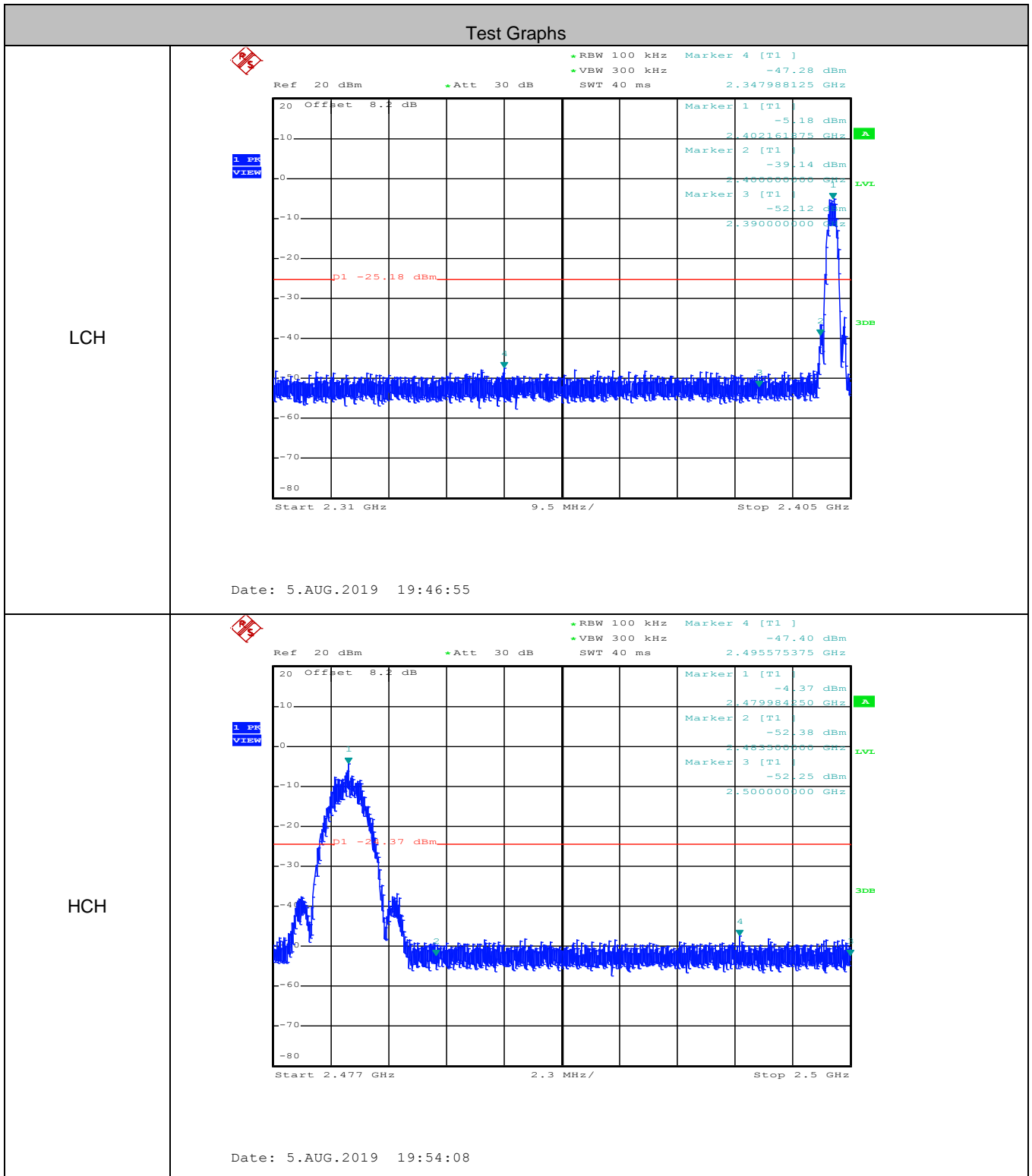
Puw/BT LE/HCH



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B.7 Band-edge for RF Conducted Emissions

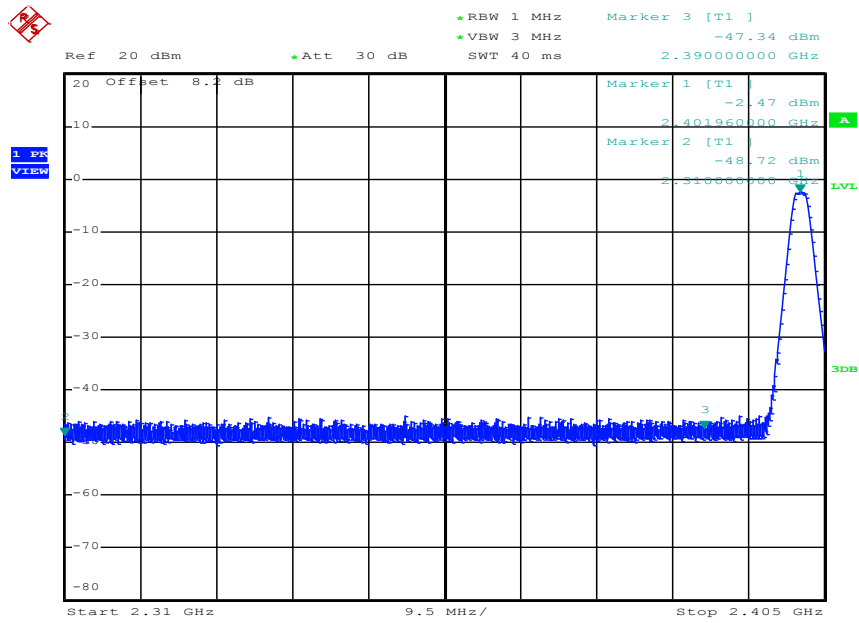
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.180	-47.278	-25.18	PASS
BT LE	HCH	-4.370	-47.403	-24.37	PASS



B.8 Restrict-band band-edge measurements

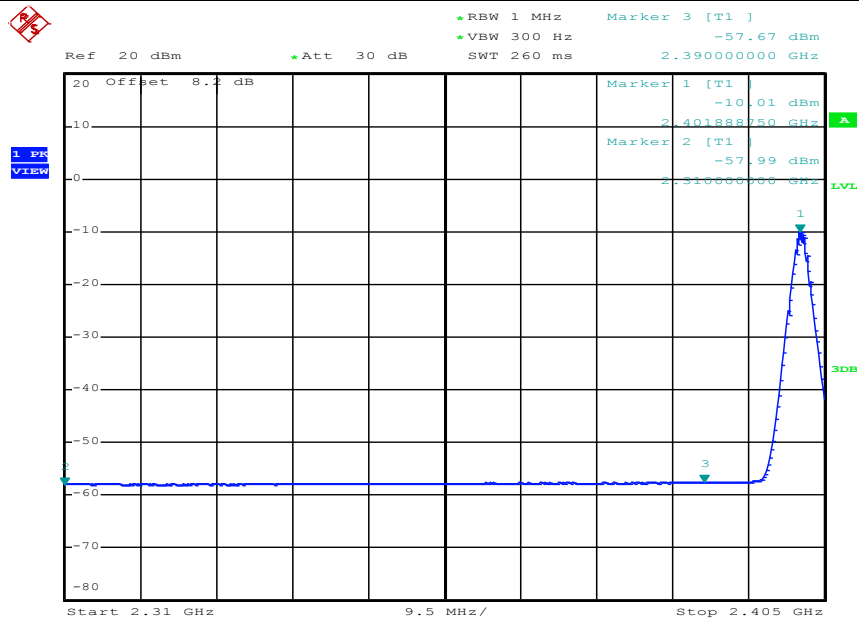
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-48.72	2.0	0	46.54	PEAK	74	PASS
		Ant1	2310.0	-57.99	2.0	0	37.27	AV	54	PASS
		Ant1	2390.0	-47.34	2.0	0	47.92	PEAK	74	PASS
		Ant1	2390.0	-57.67	2.0	0	37.59	AV	54	PASS
	2480	Ant1	2483.5	-40.31	2.0	0	54.95	PEAK	74	PASS
		Ant1	2483.5	-49.06	2.0	0	46.20	AV	54	PASS
		Ant1	2500.0	-49.80	2.0	0	45.46	PEAK	74	PASS
		Ant1	2500.0	-58.28	2.0	0	36.98	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



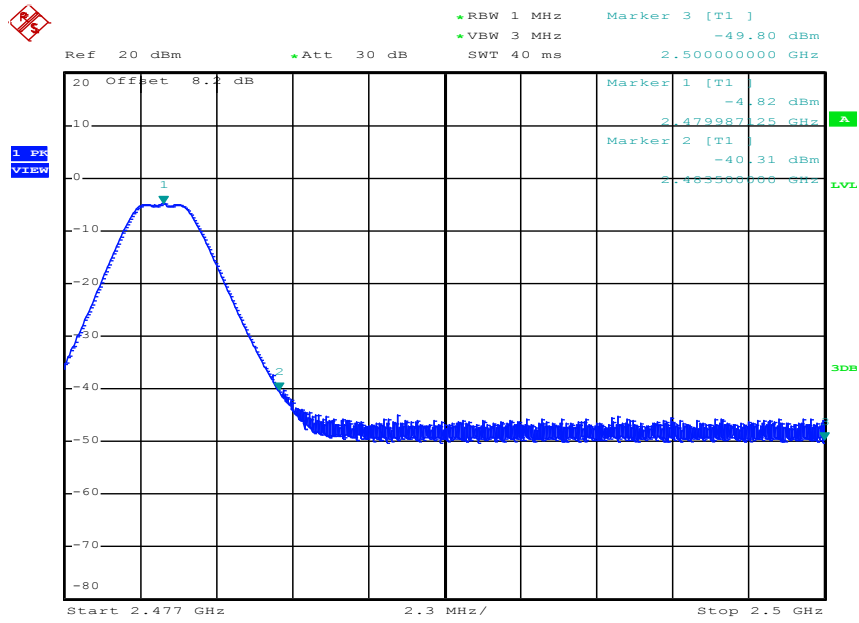
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Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



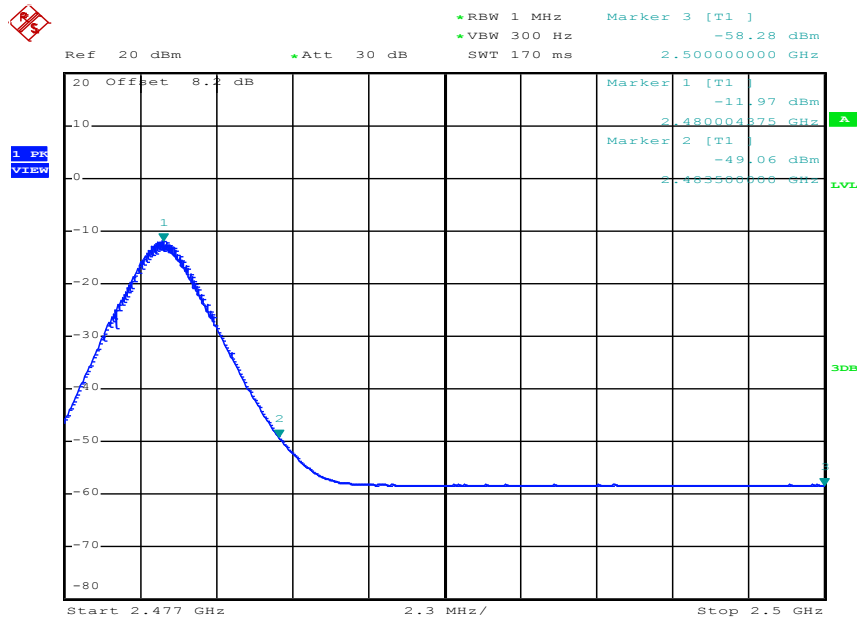
Date: 5.AUG.2019 19:48:13

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Date: 5.AUG.2019 19:55:11

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Date: 5.AUG.2019 19:55:26