

Appendix B

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

Product Name: TABLET PC

Trade Mark: FUSION5

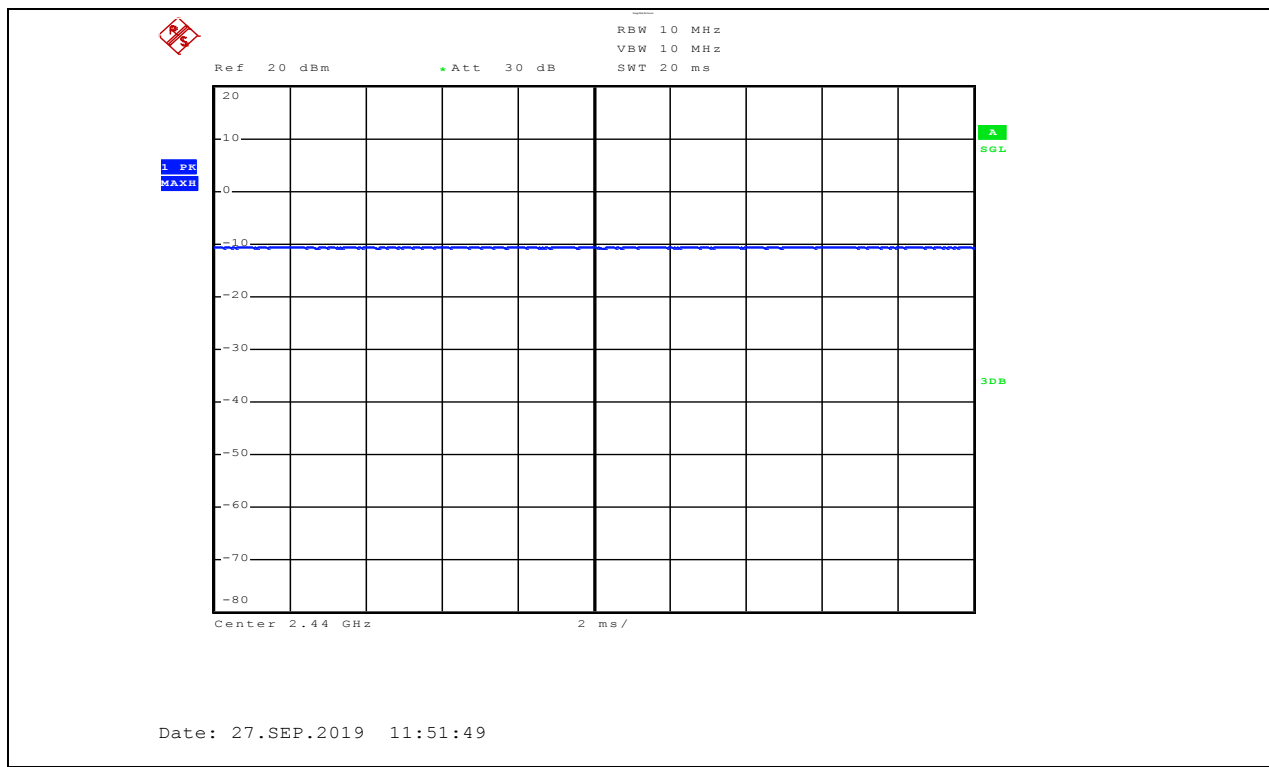
Test Model: T099

Environmental Conditions

Temperature:	25.3°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang.Chuang
Supervised by:	TOM.LIU

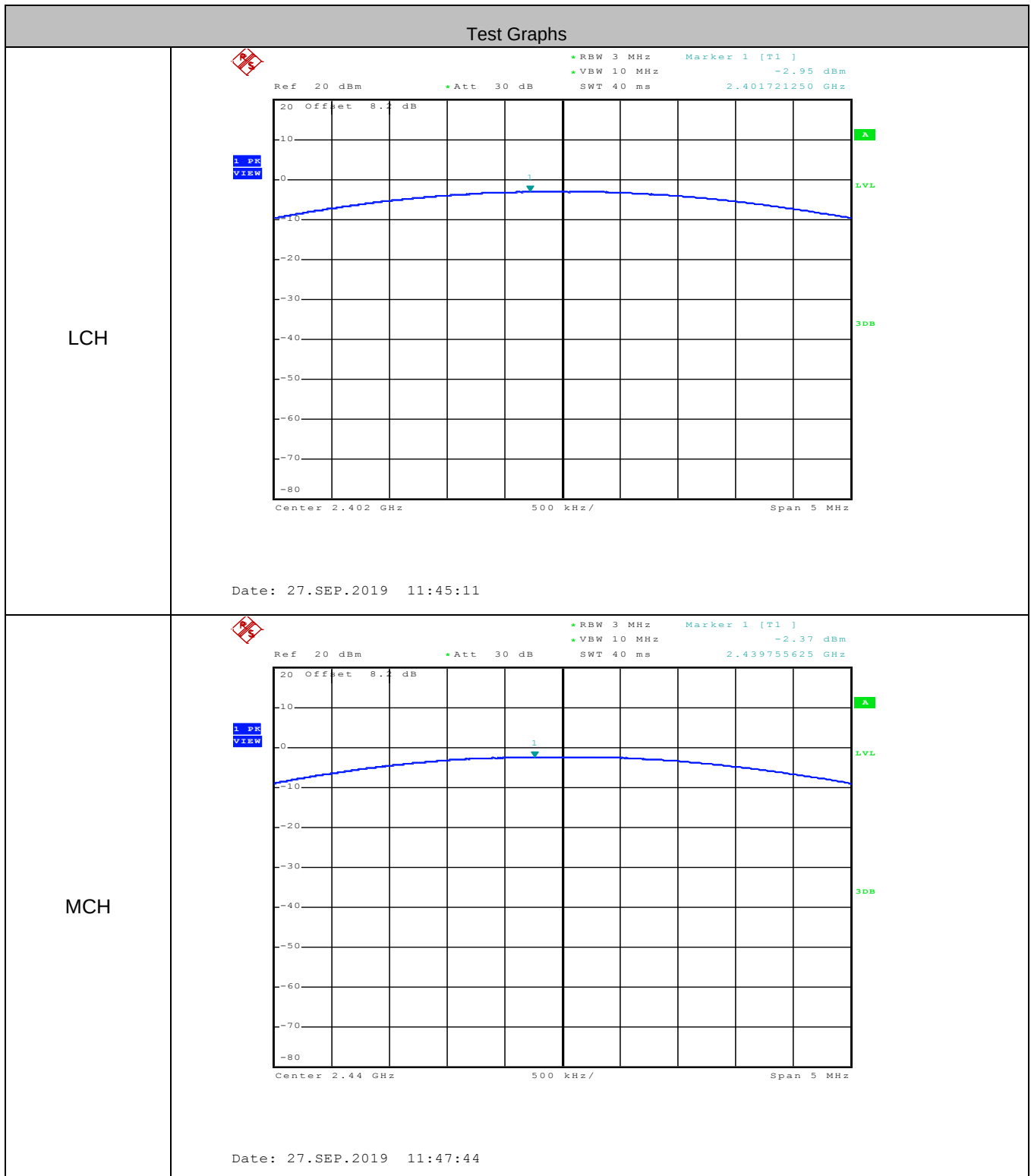
B.1 Duty Cycle

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

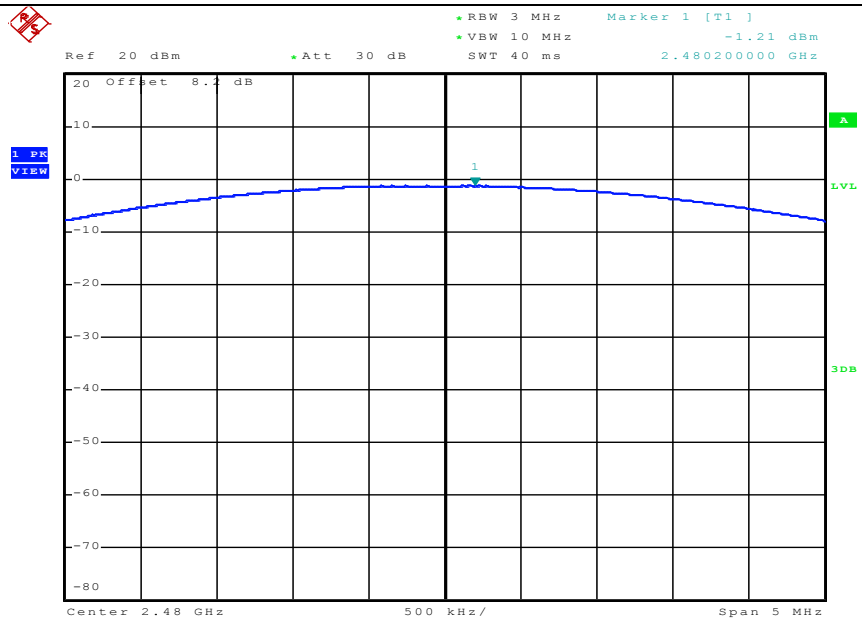


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.95	30	PASS
BT LE	MCH	-2.37	30	PASS
BT LE	HCH	-1.21	30	PASS



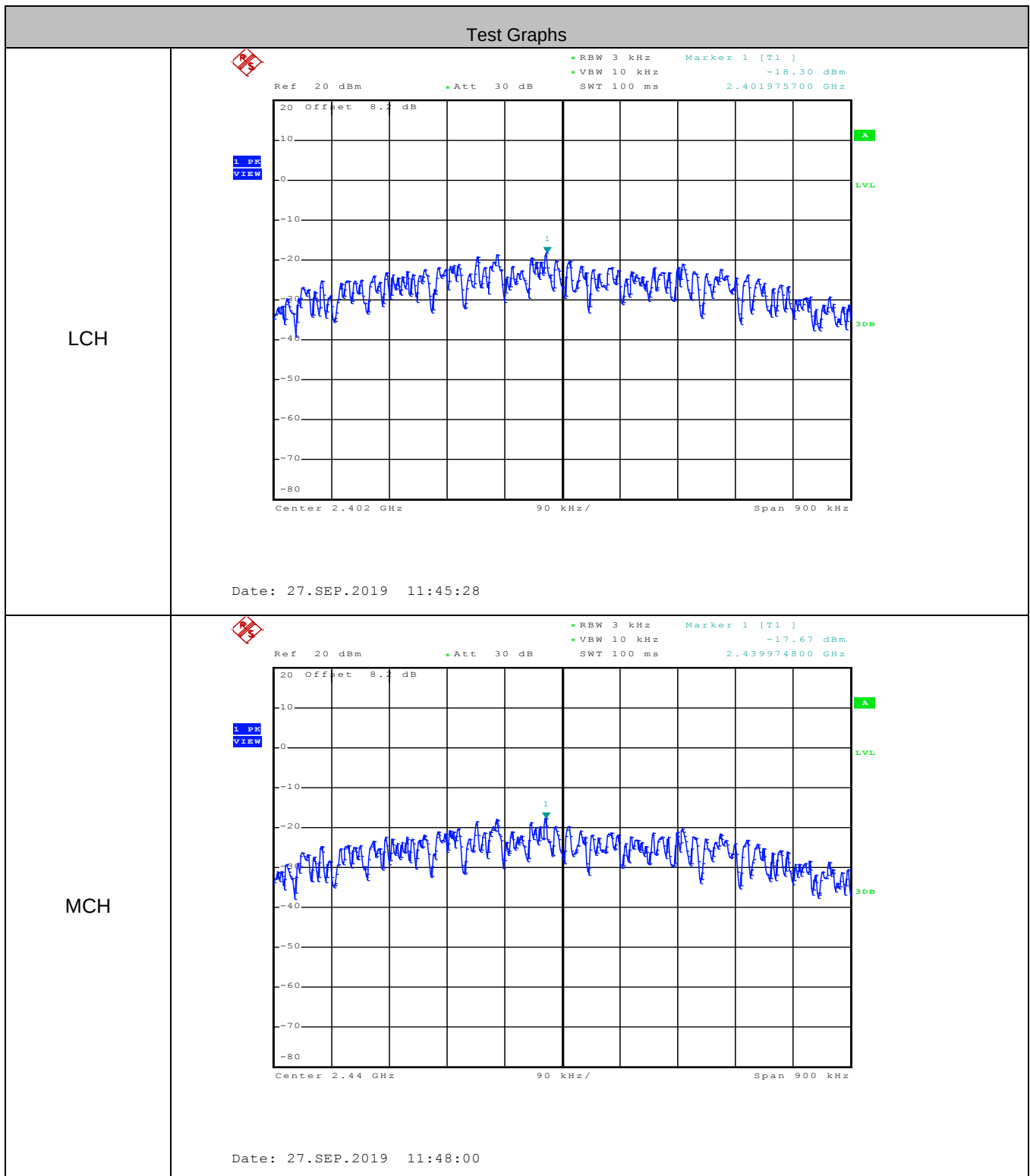
HCH



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B.3 Maximum Power Spectral Density

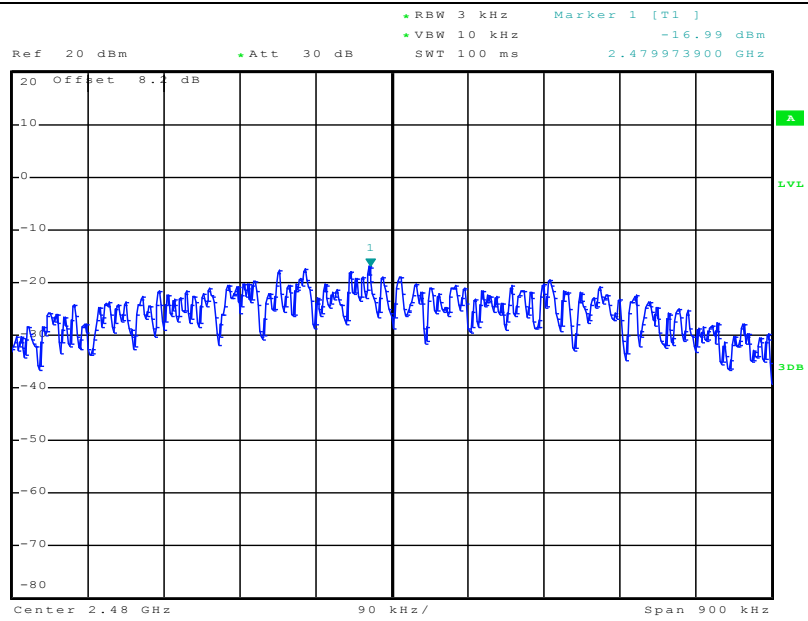
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.300	8	PASS
BT LE	MCH	-17.670	8	PASS
BT LE	HCH	-16.990	8	PASS



HCH



1 PR
VIEW



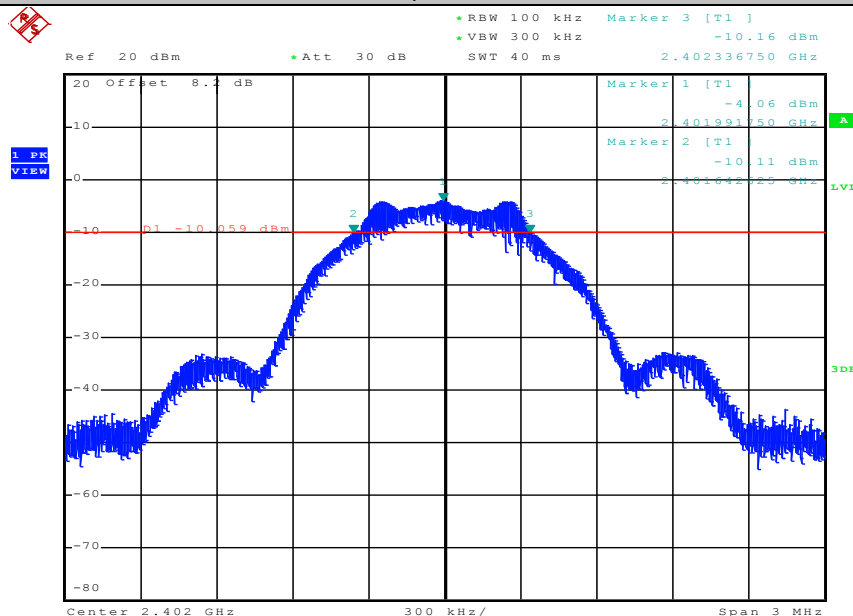
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B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.694	≥ 0.5	PASS
BT LE	MCH	0.680	≥ 0.5	PASS
BT LE	HCH	0.694	≥ 0.5	PASS

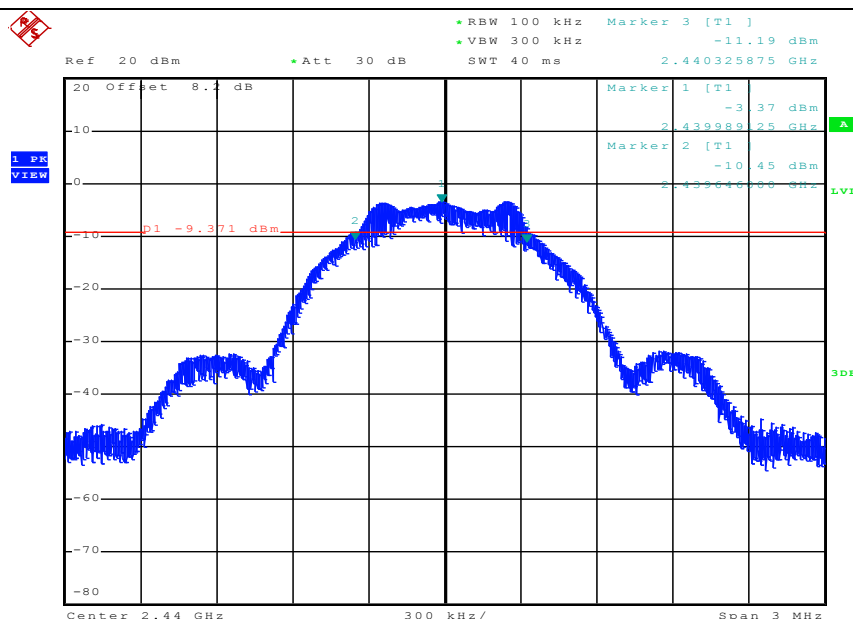
Test Graphs

LCH



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MCH

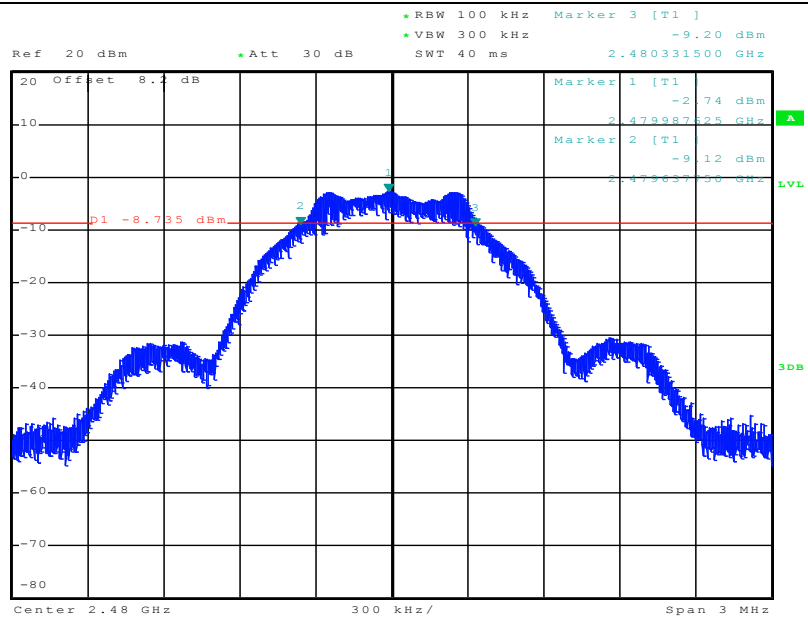


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HCH



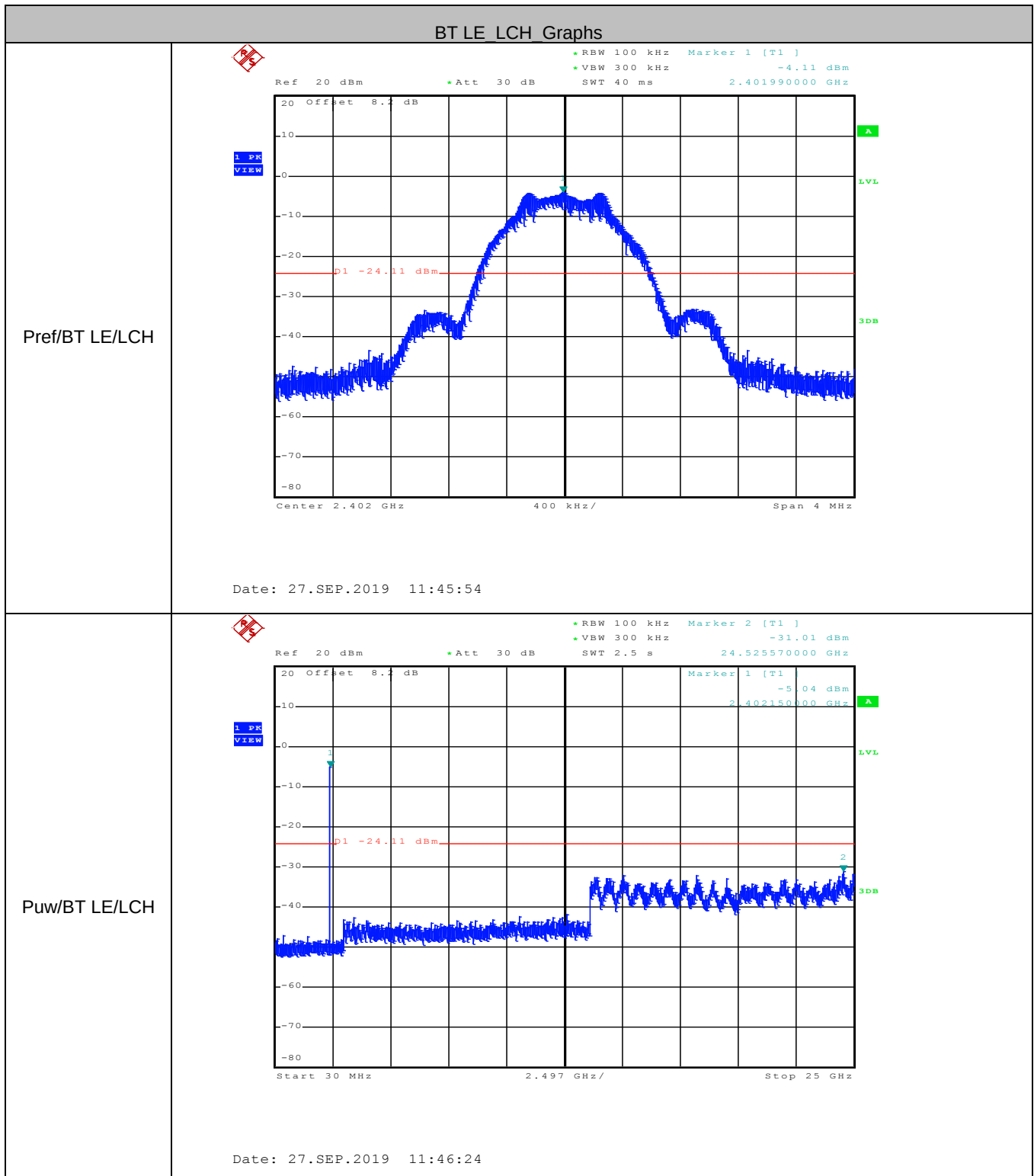
1 PR
VIEW



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B.5 RF Conducted Spurious Emissions

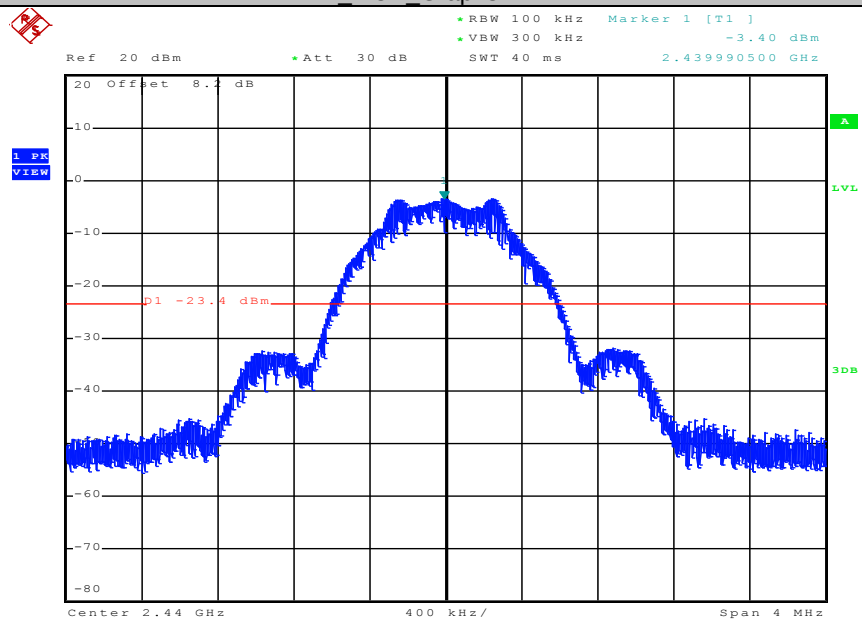
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.11	-31.010	-24.110	PASS
BT LE	MCH	-3.4	-30.570	-23.400	PASS
BT LE	HCH	-2.79	-31.570	-22.790	PASS



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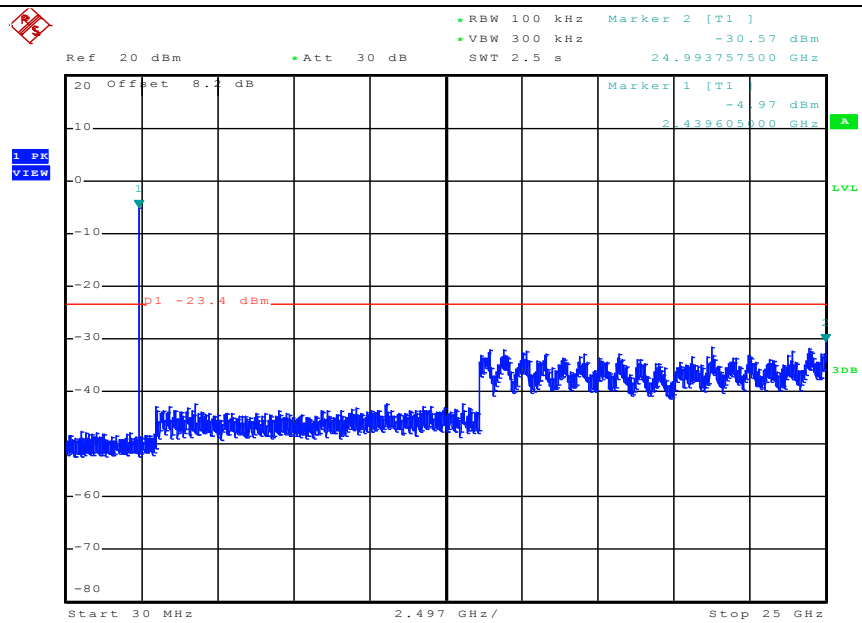
BT LE_MCH_Graphs

Pref/BT LE/MCH



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Puw/BT LE/MCH



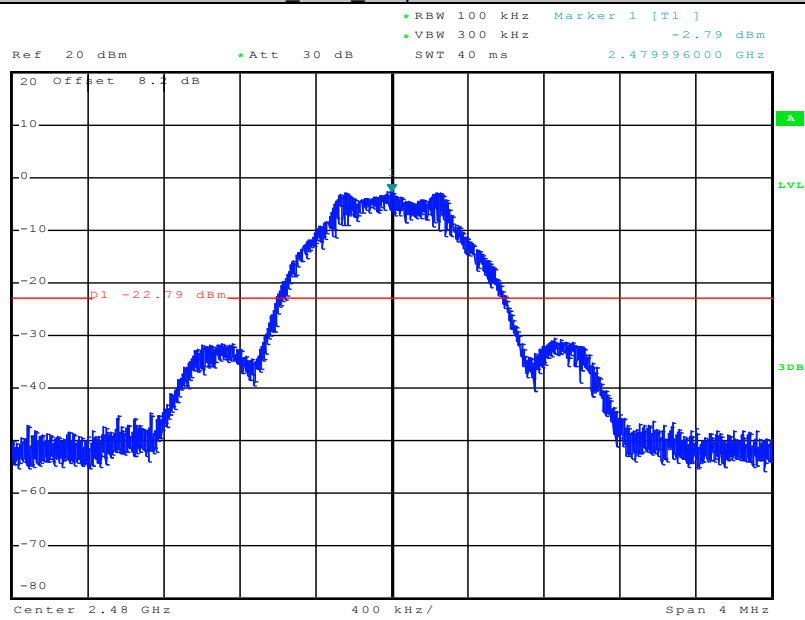
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BT LE HCH Graphs

Pref/BT LE/HCH



1 PK
VIEW

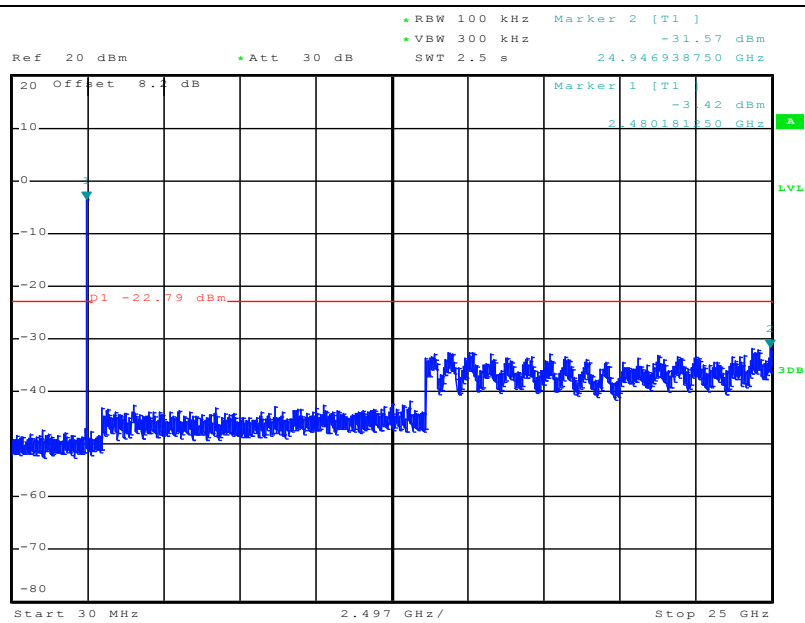


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Puw/BT LE/HCH



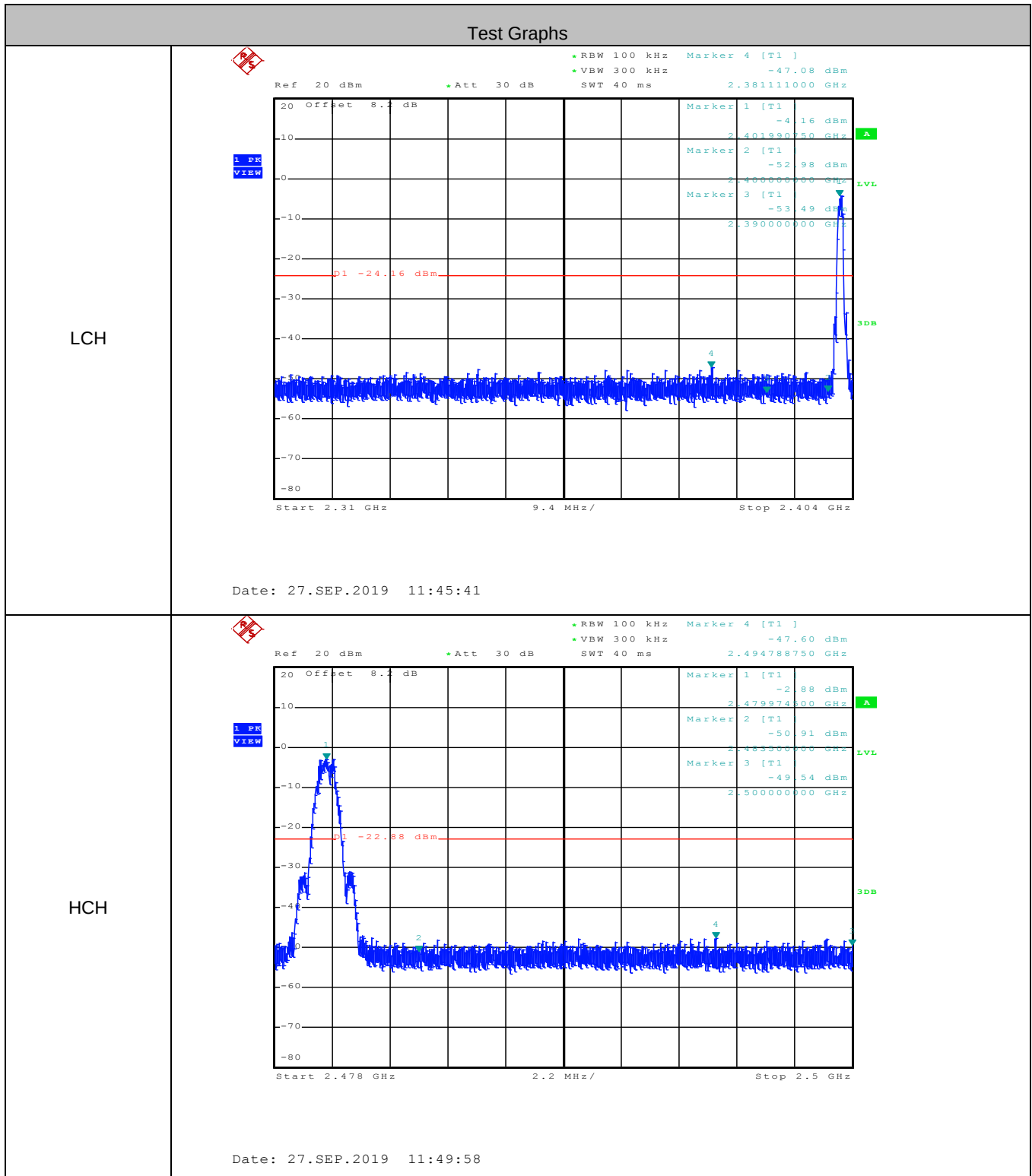
1 PK
VIEW



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B.6 Band-edge for RF Conducted Emissions

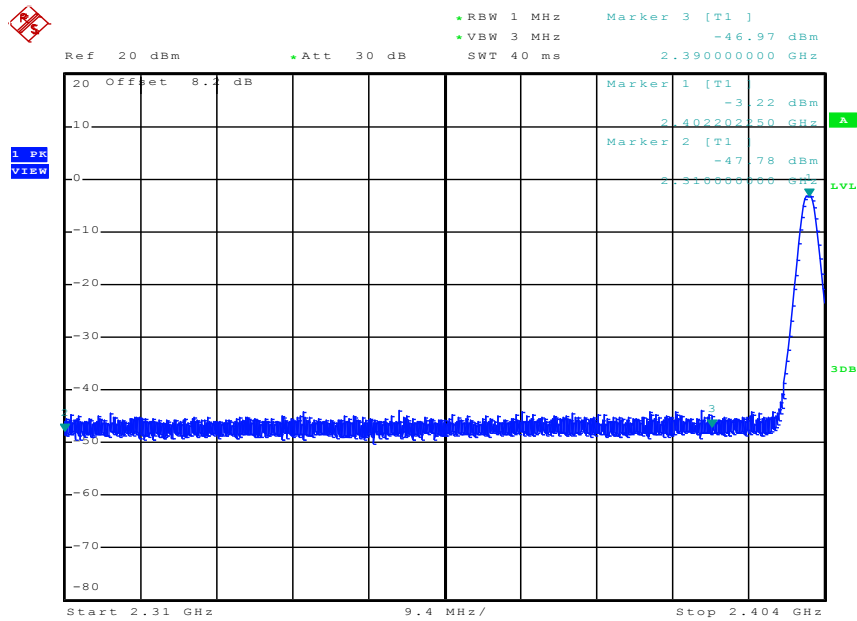
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-4.160	-47.078	-24.16	PASS
BT LE	HCH	-2.880	-47.605	-22.88	PASS



B.7 Restrict-band band-edge measurements

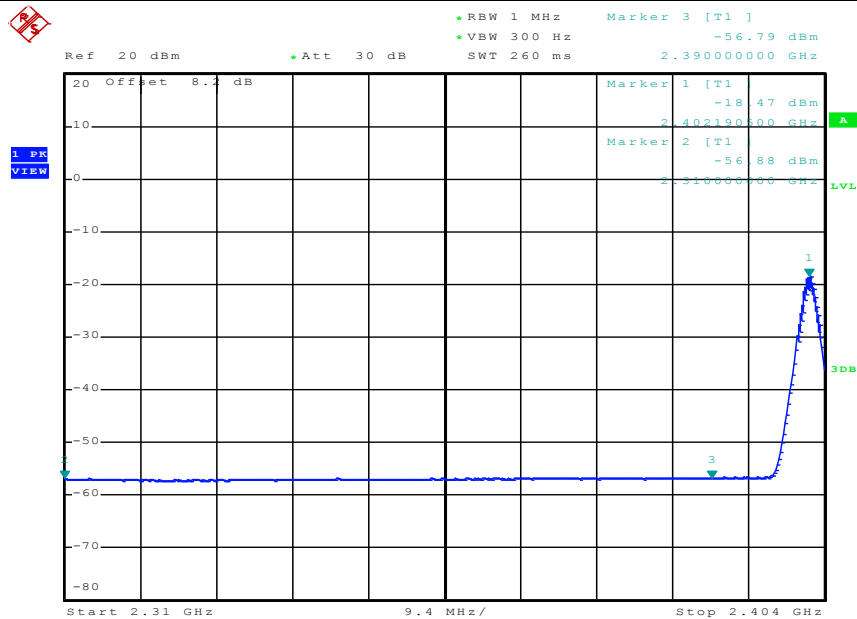
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-47.78	2.3	0	49.78	PEAK	74	PASS
		Ant1	2310.0	-56.88	2.3	0	40.68	AV	54	PASS
		Ant1	2390.0	-46.97	2.3	0	50.59	PEAK	74	PASS
		Ant1	2390.0	-56.79	2.3	0	40.77	AV	54	PASS
	2480	Ant1	2483.5	-38.87	2.3	0	58.69	PEAK	74	PASS
		Ant1	2483.5	-47.65	2.3	0	49.91	AV	54	PASS
		Ant1	2500.0	-46.89	2.3	0	50.67	PEAK	74	PASS
		Ant1	2500.0	-57.36	2.3	0	40.20	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



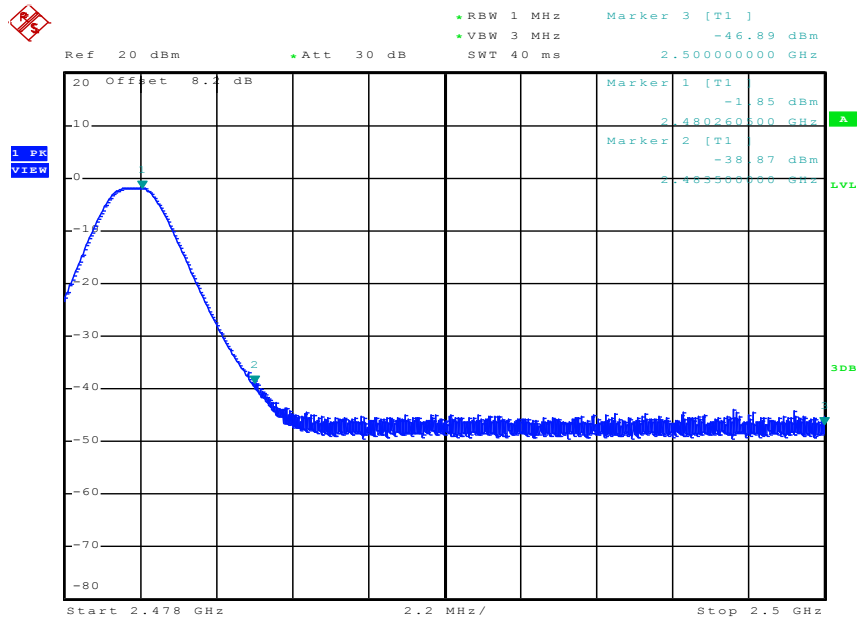
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Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



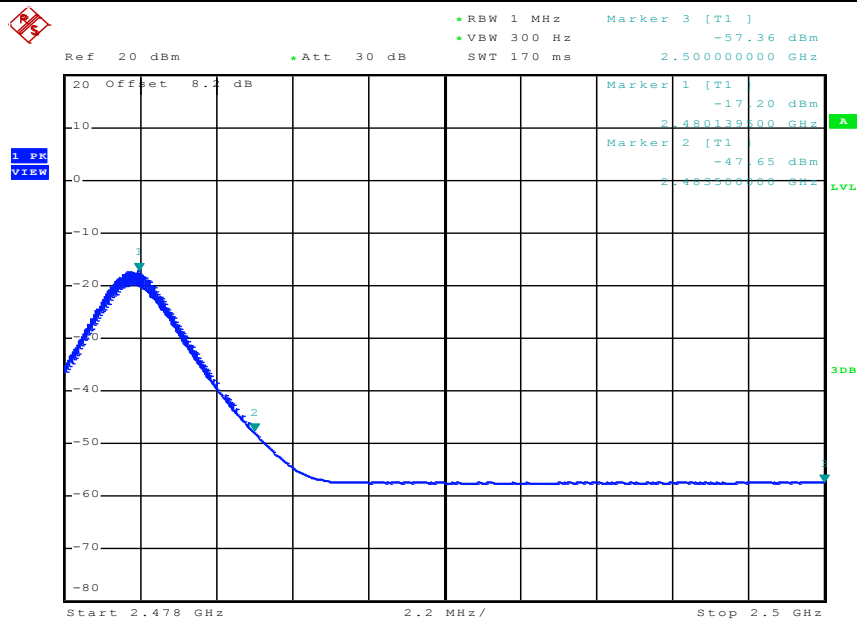
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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



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Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



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