Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: TABLET PC
Trade Mark: FUSION5
Test Model: T099

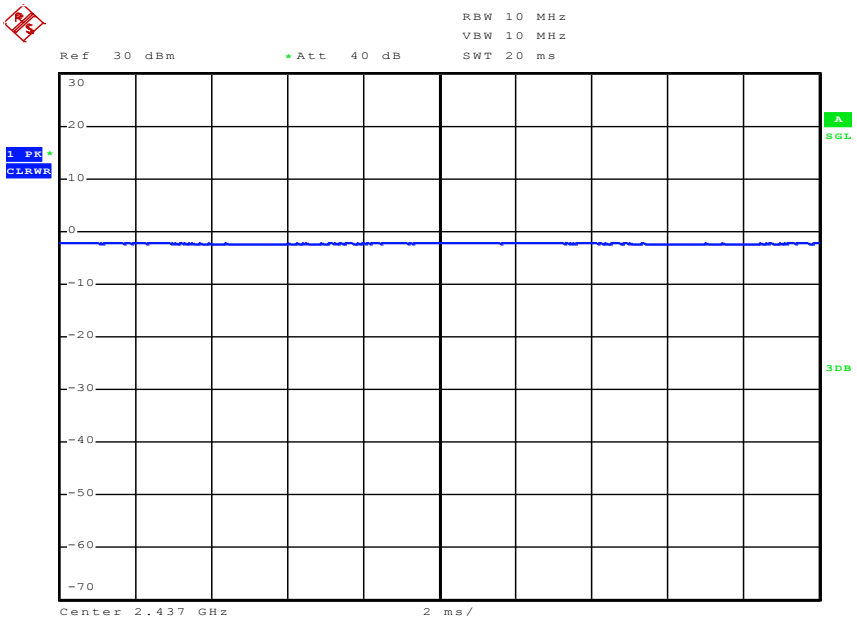
Environmental Conditions

Temperature:	23.2°C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang.Chuang
Supervised by:	TOM.LIU

C.1 Duty Cycle

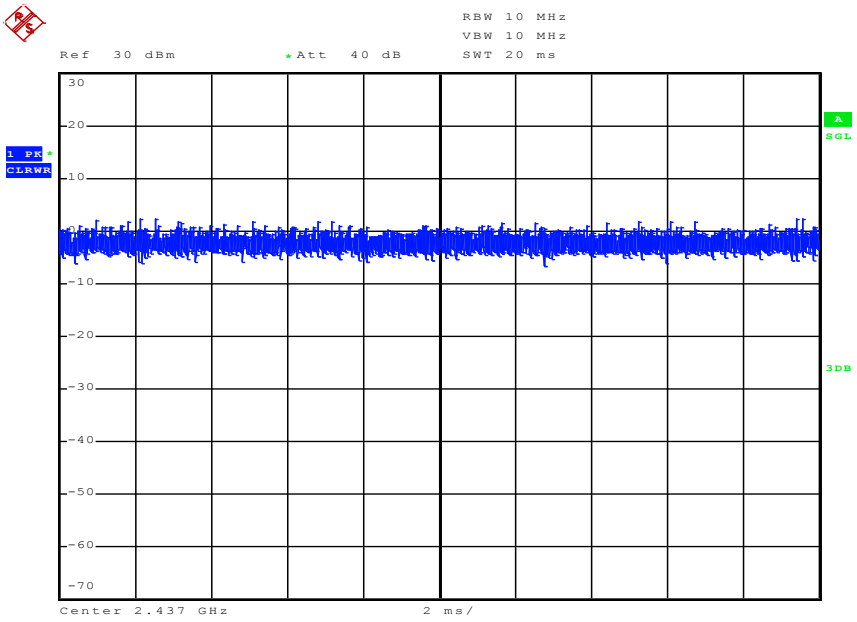
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

Duty Cycle_11B_2437_Ant1



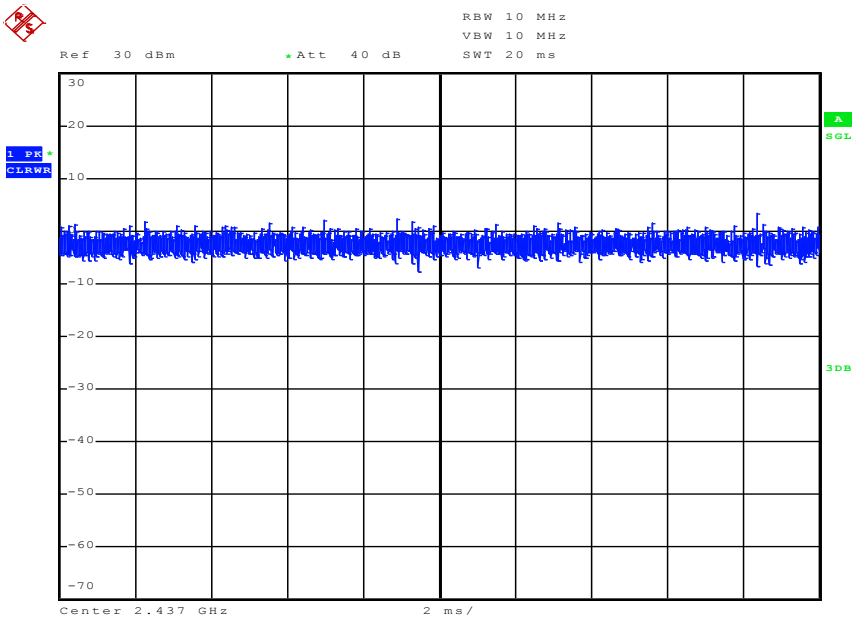
Date: 25.SEP.2019 15:20:05

Duty Cycle_11G_2437_Ant1



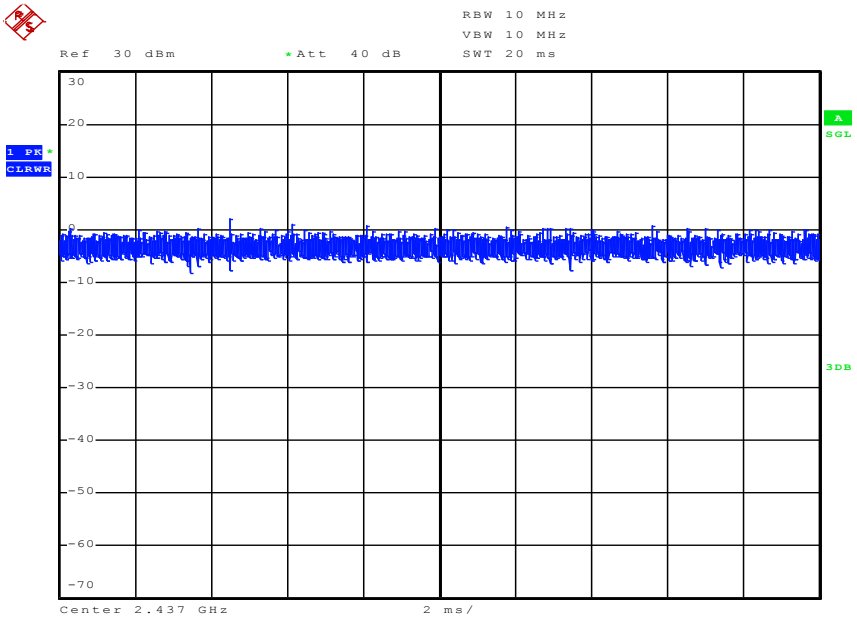
Date: 25.SEP.2019 15:20:30

Duty Cycle_11N20SISO_2437_Ant1



Date: 25.SEP.2019 15:21:00

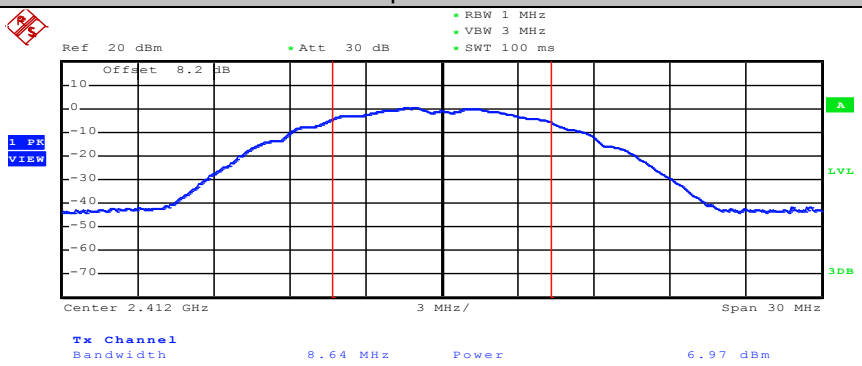
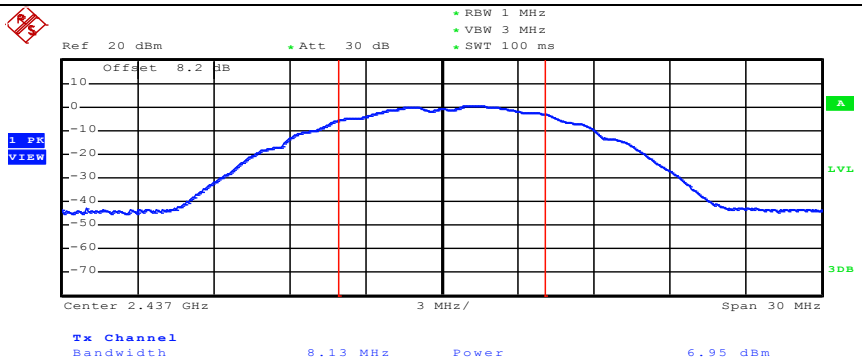
Duty Cycle_11N40SISO_2437_Ant1

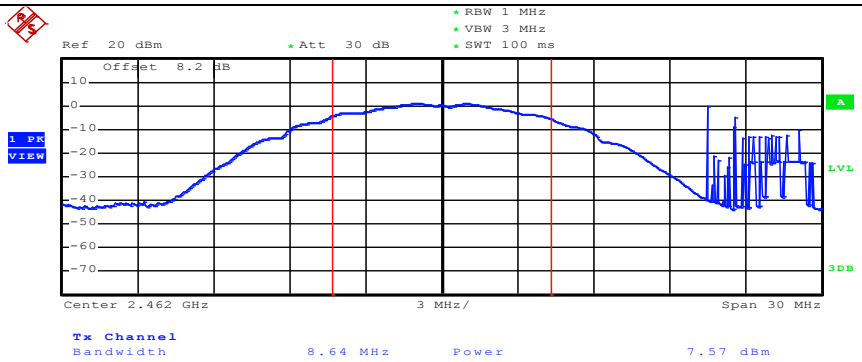
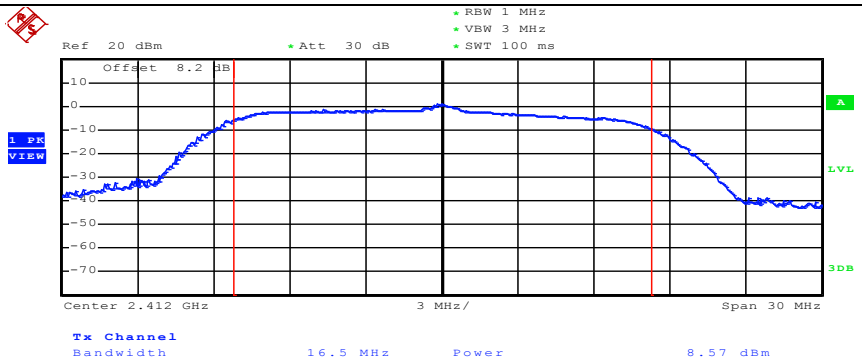


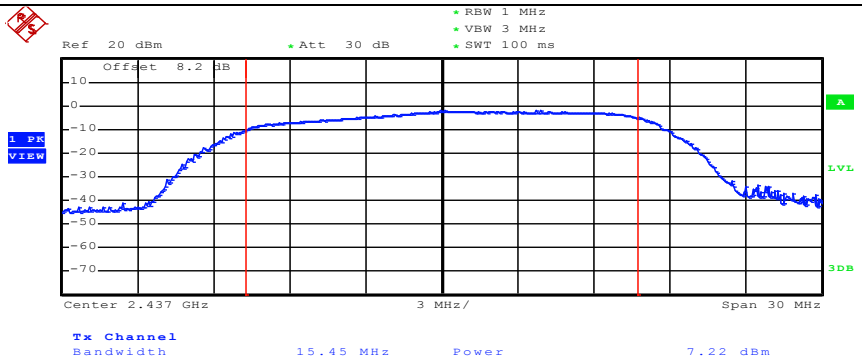
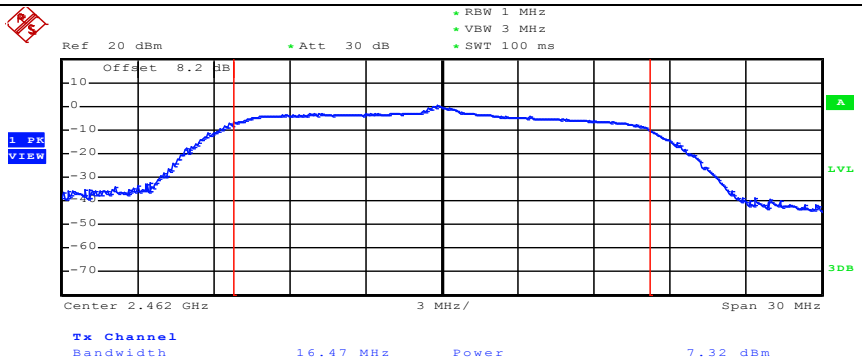
Date: 25.SEP.2019 15:21:26

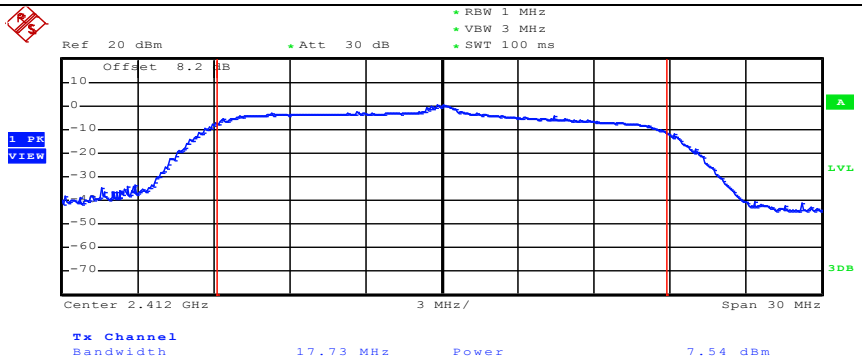
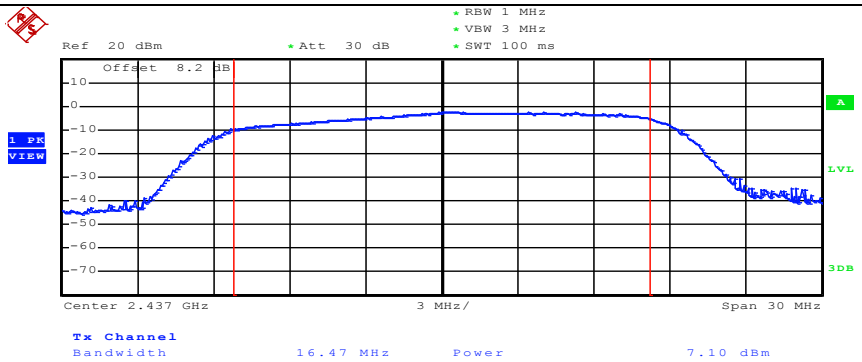
C.2 Maximum Conducted Output Power

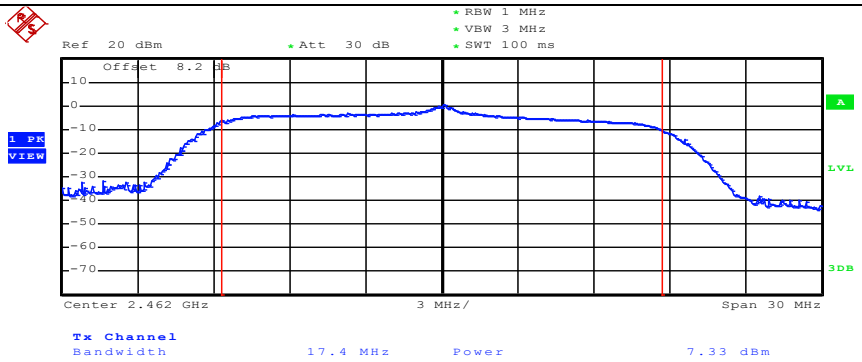
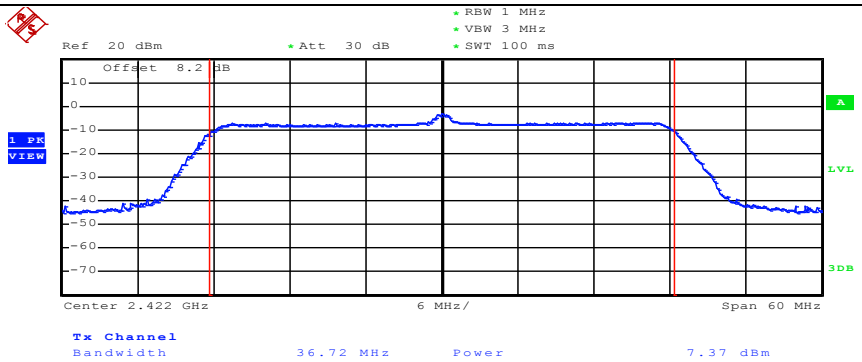
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.97	30	PASS
	MCH	6.95	30	PASS
	HCH	7.57	30	PASS
11G	LCH	8.57	30	PASS
	MCH	7.22	30	PASS
	HCH	7.32	30	PASS
11N20SISO	LCH	7.54	30	PASS
	MCH	7.1	30	PASS
	HCH	7.33	30	PASS
11N40SISO	LCH	7.37	30	PASS
	MCH	7.72	30	PASS
	HCH	5.16	30	PASS

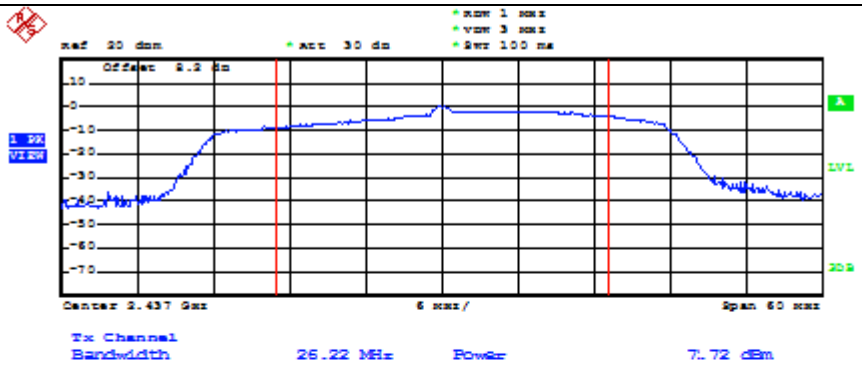
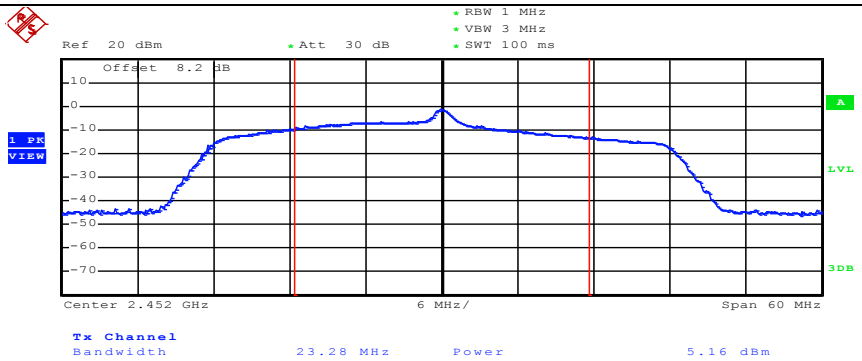
Test Graphs	
11B/LCH	 Date: 22.AUG.2019 21:10:32
11B/MCH	 Date: 22.AUG.2019 21:11:14

11B/HCH	 Date: 22.AUG.2019 21:12:03
11G/LCH	 Date: 22.AUG.2019 21:13:12

11G/MCH	 Date: 22.AUG.2019 21:14:00
11G/HCH	 Date: 22.AUG.2019 21:14:46

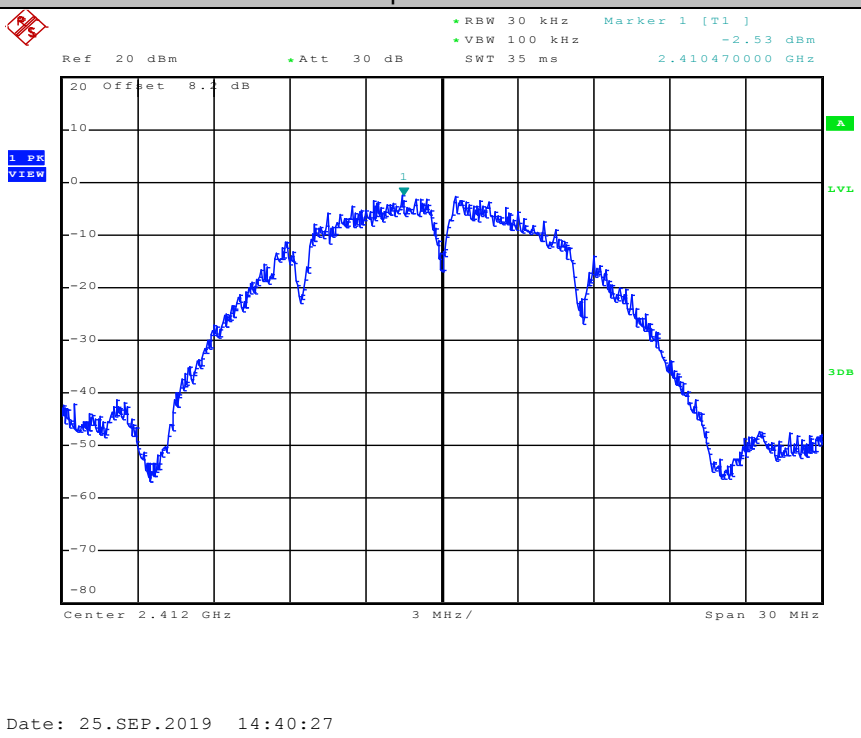
11N20SISO/LCH	 Date: 22.AUG.2019 21:15:29
11N20SISO/MCH	 Date: 22.AUG.2019 21:16:12

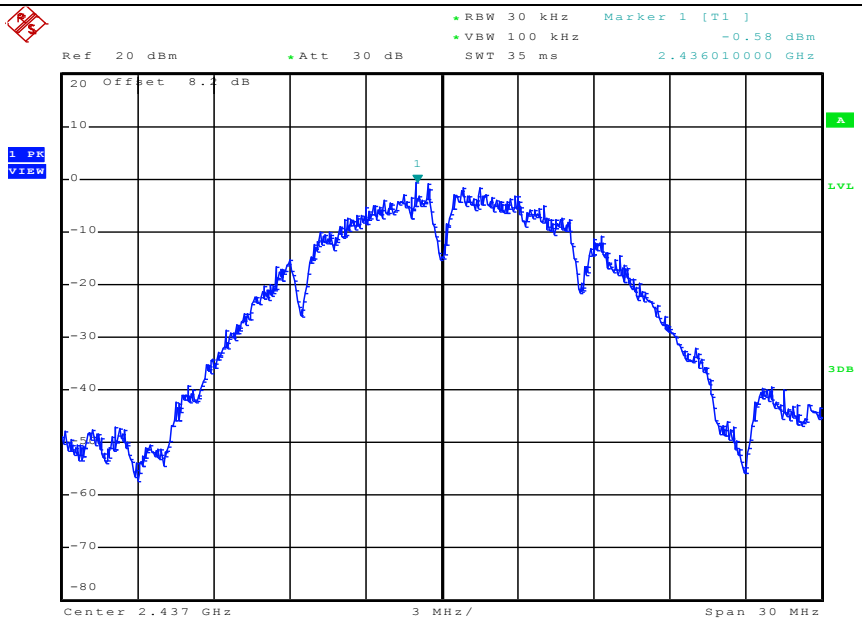
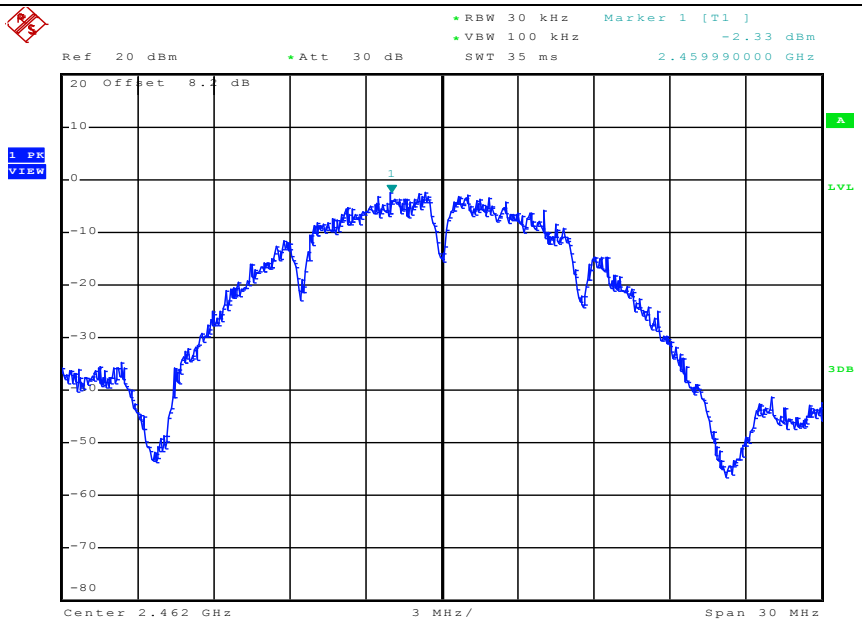
11N20SISO/HCH	 Date: 22.AUG.2019 21:16:54
11N40SISO/LCH	 Date: 22.AUG.2019 21:17:44

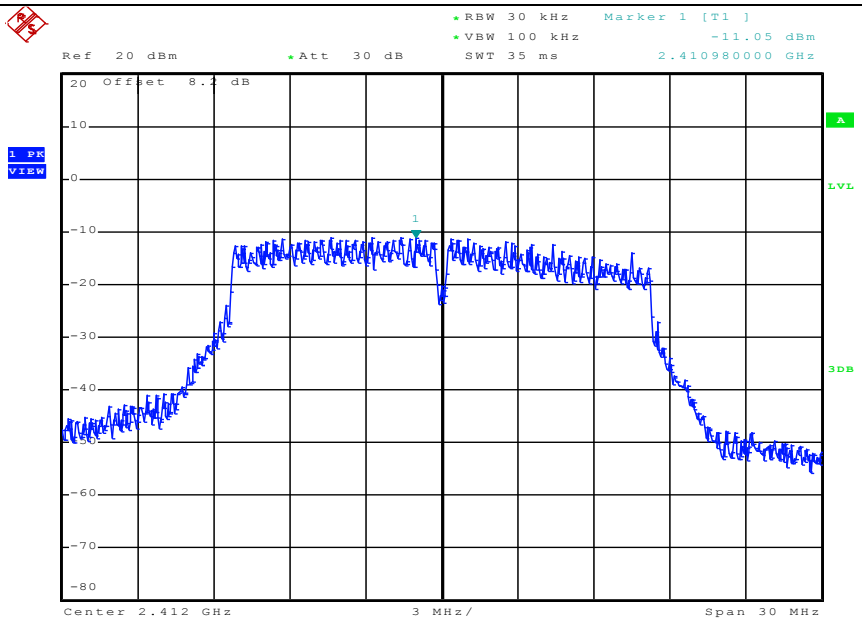
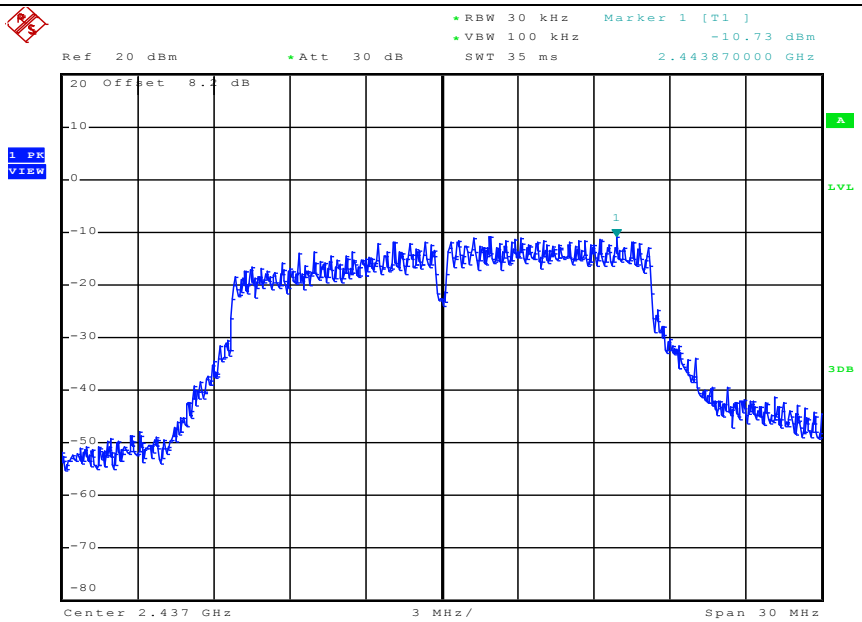
11N40SISO/MCH	 Date: 22.AUG.2019 21:18:32
11N40SISO/HCH	 Date: 22.AUG.2019 21:19:18

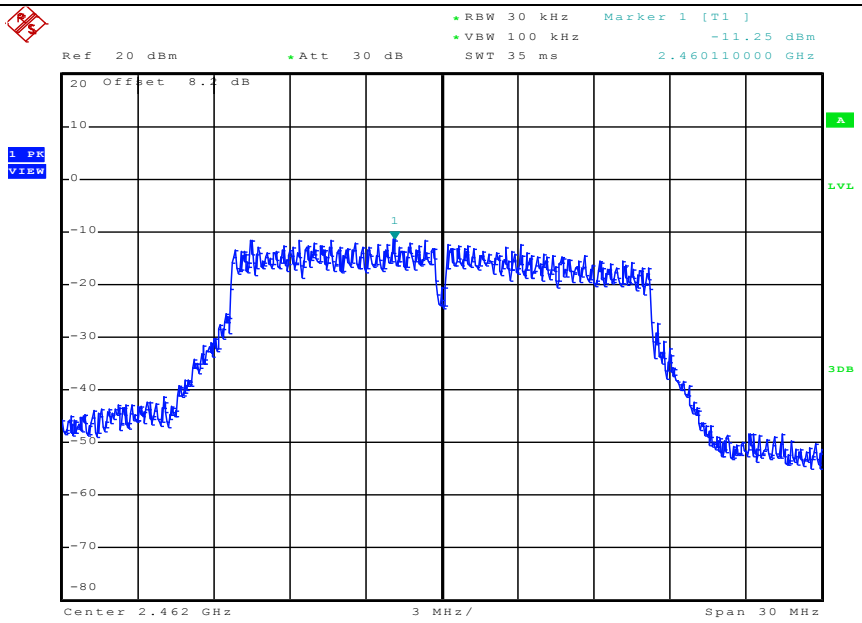
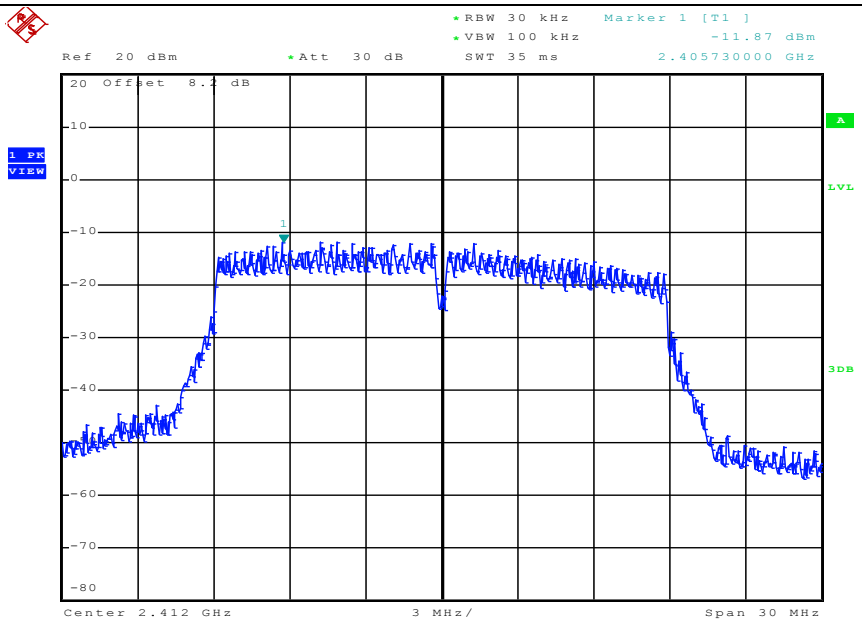
C.3 Maximum Power Spectral Density

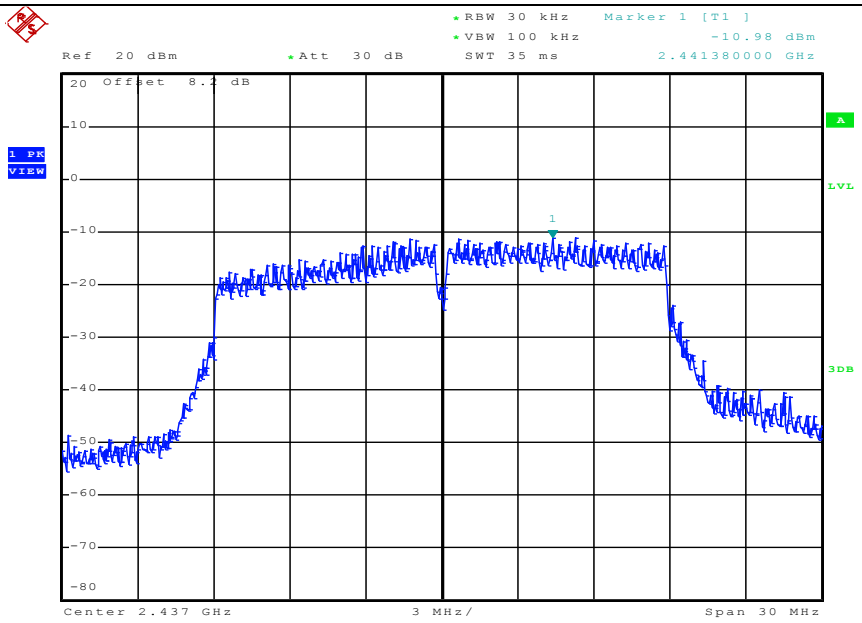
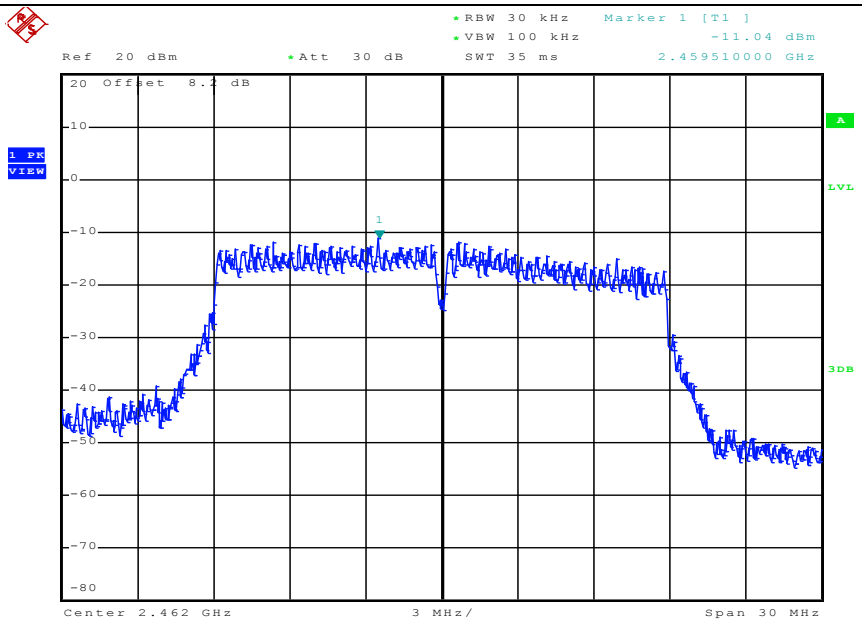
Mode	Channel	Meas.Level [dBm/30KHz]	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-2.530	-12.530	8	PASS
	MCH	-0.580	-10.580	8	PASS
	HCH	-2.330	-12.330	8	PASS
11G	LCH	-11.050	-21.050	8	PASS
	MCH	-10.730	-20.730	8	PASS
	HCH	-11.250	-21.250	8	PASS
11N20SISO	LCH	-11.870	-21.870	8	PASS
	MCH	-10.980	-20.980	8	PASS
	HCH	-11.040	-21.040	8	PASS
11N40SISO	LCH	-15.130	-25.130	8	PASS
	MCH	-12.270	-22.270	8	PASS
	HCH	-14.830	-24.830	8	PASS

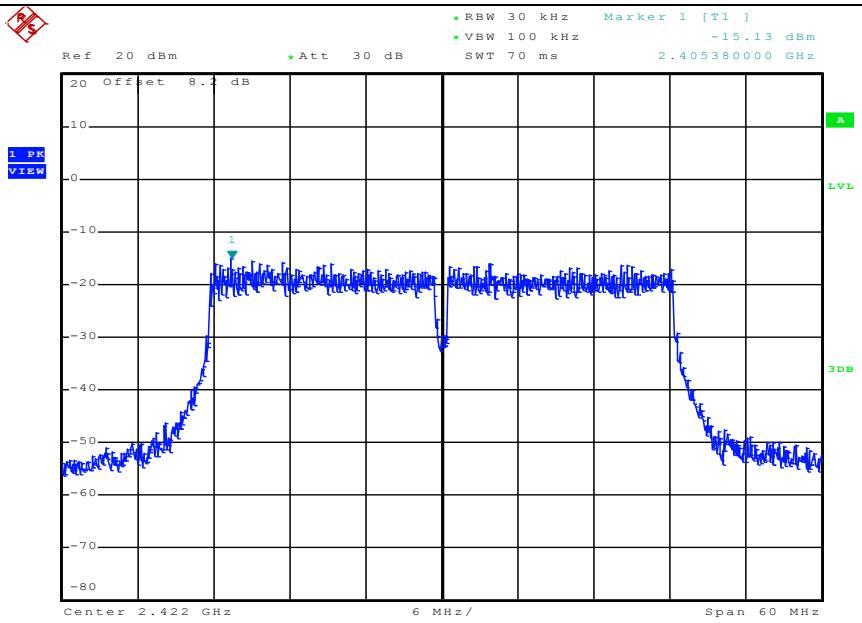
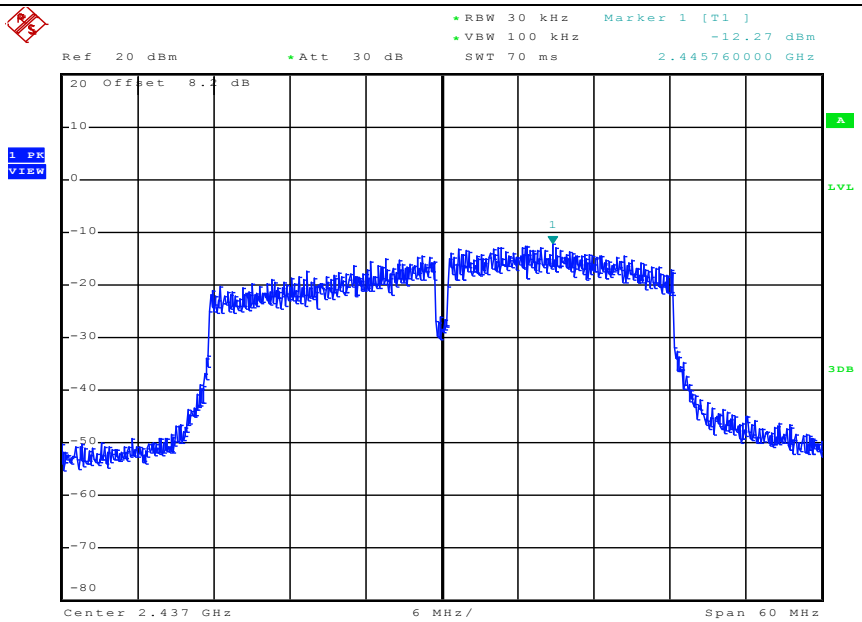
Test Graphs	
11B/LCH	

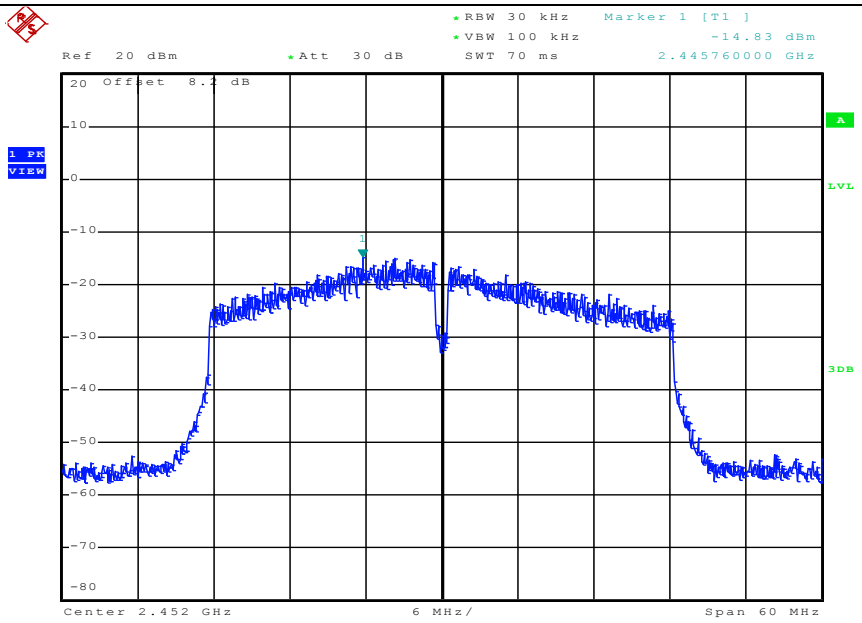
11B/MCH	 Date: 25.SEP.2019 14:42:58
11B/HCH	 Date: 25.SEP.2019 14:44:48

11G/LCH	 Date: 25.SEP.2019 14:54:22
11G/MCH	 Date: 25.SEP.2019 14:56:55

11G/HCH	 Date: 25.SEP.2019 14:58:44
11N20SISO/LCH	 Date: 25.SEP.2019 15:01:29

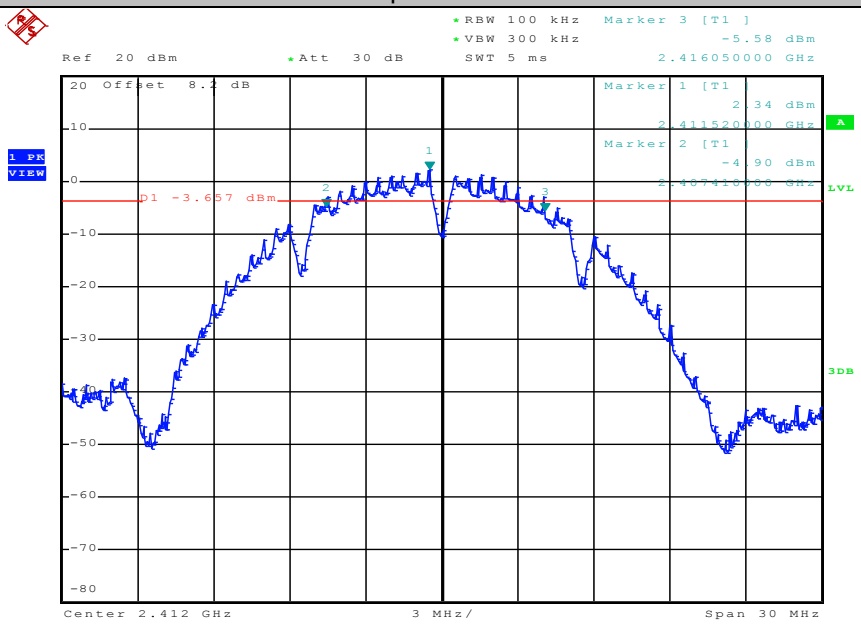
11N20SISO/MCH	 Date: 25.SEP.2019 15:04:33
11N20SISO/HCH	 Date: 25.SEP.2019 15:06:24

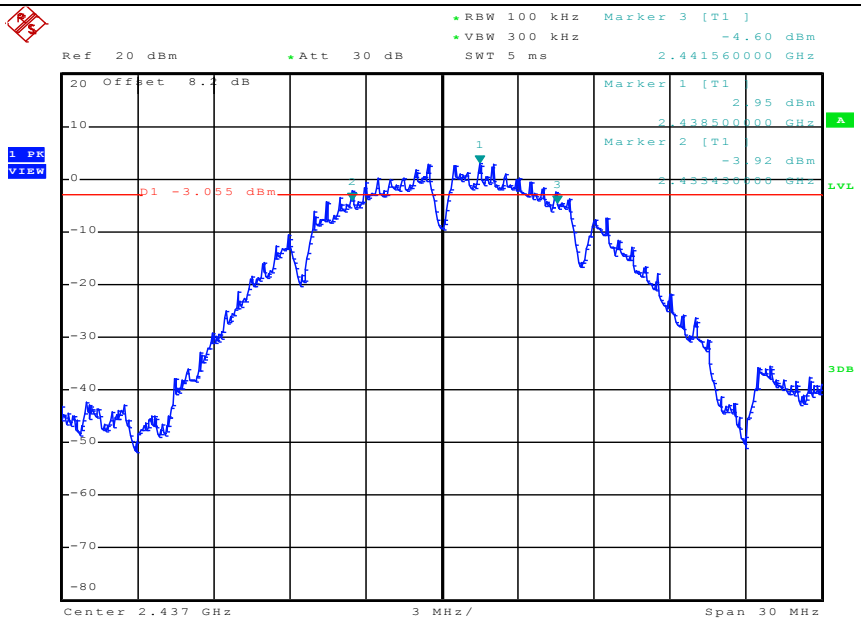
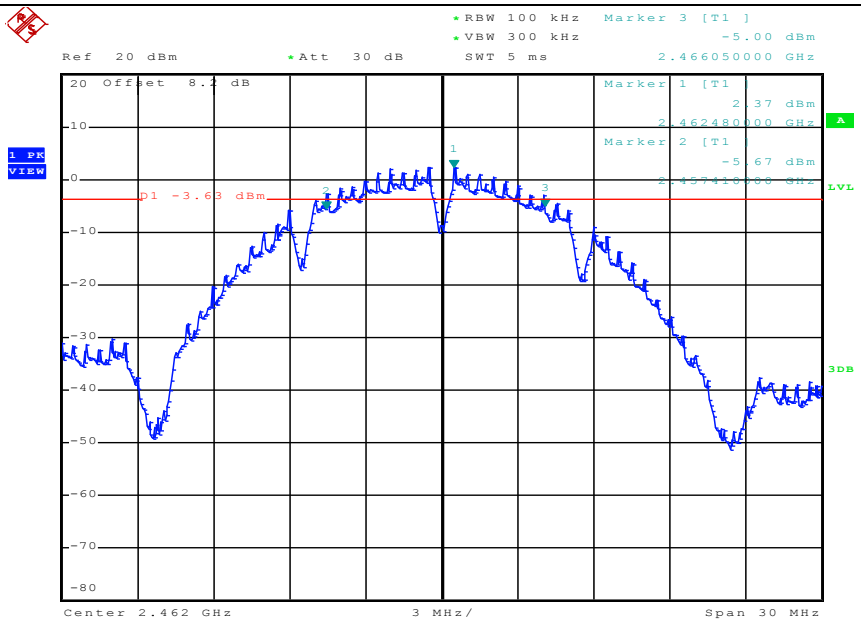
11N40SISO/LCH	 Date: 25.SEP.2019 15:08:59
11N40SISO/MCH	 Date: 25.SEP.2019 15:16:28

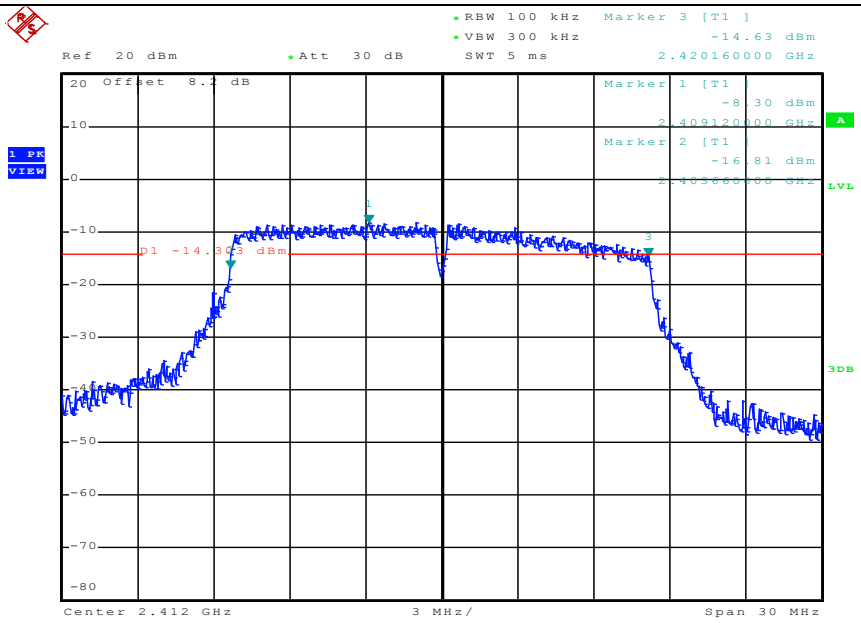
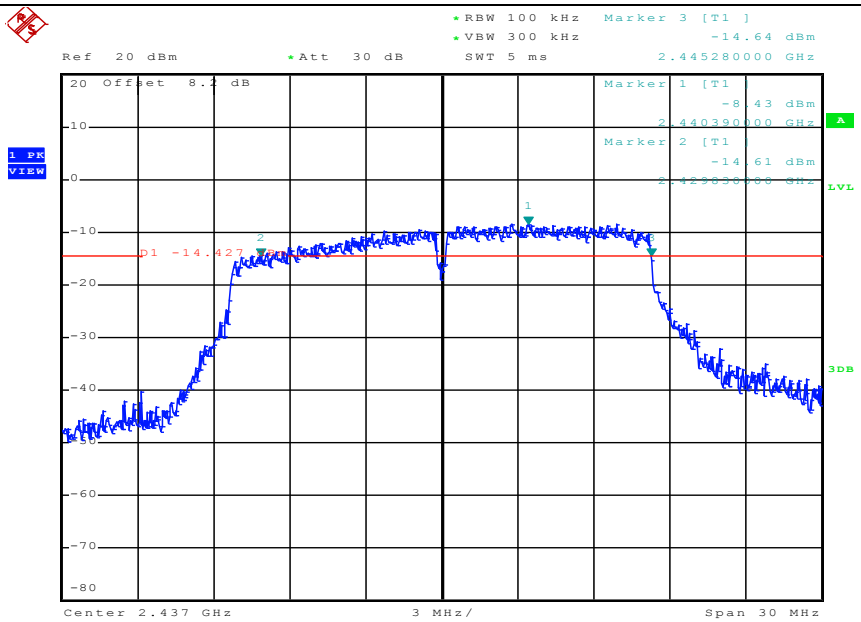
11N40SISO/HCH	 Date: 25.SEP.2019 15:18:14

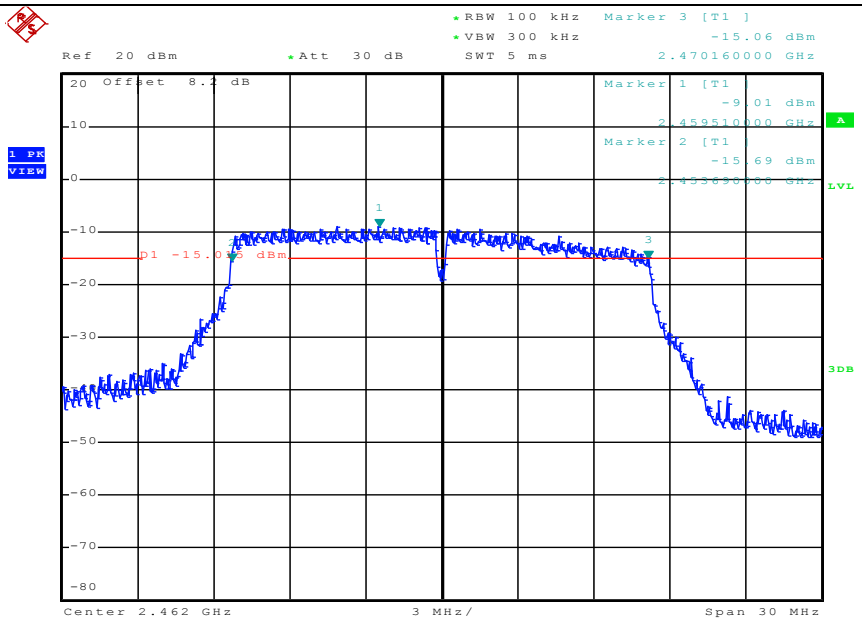
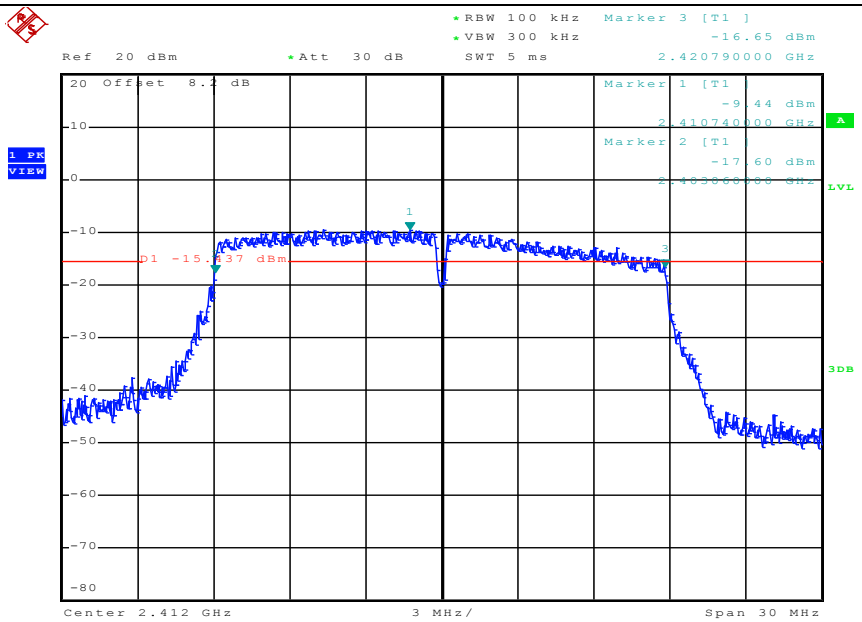
C.4 6dB Bandwidth

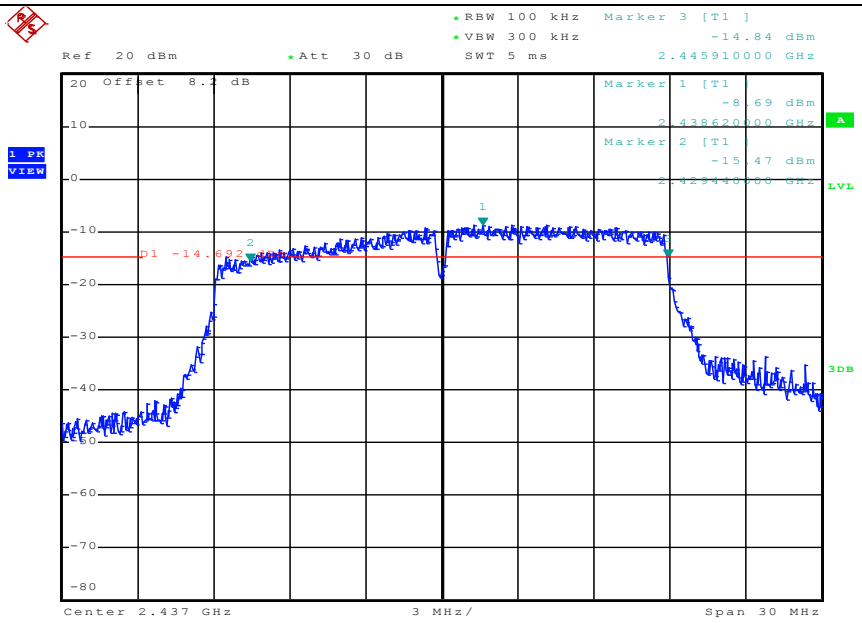
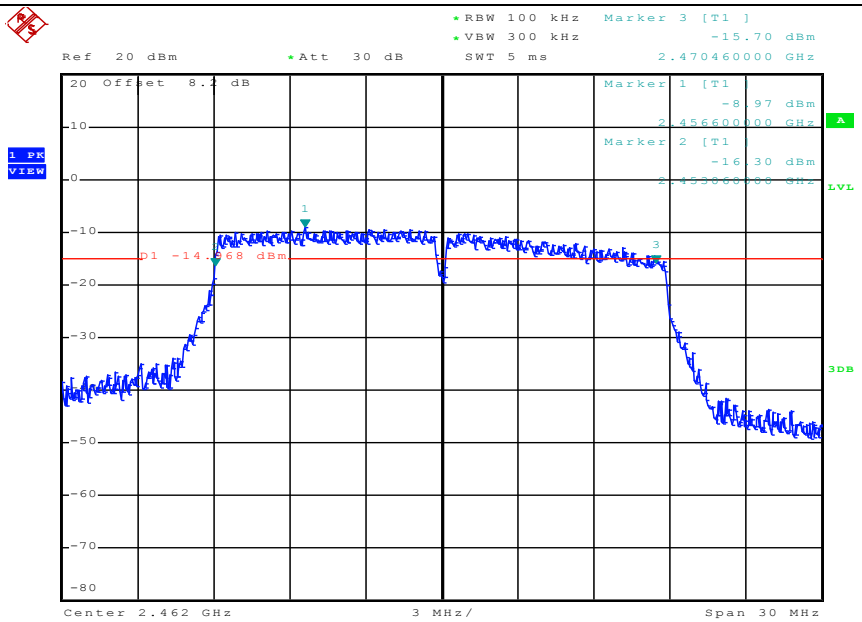
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	8.640	⩾0.5	PASS
	MCH	8.130	⩾0.5	PASS
	HCH	8.640	⩾0.5	PASS
11G	LCH	16.500	⩾0.5	PASS
	MCH	15.450	⩾0.5	PASS
	HCH	16.470	⩾0.5	PASS
11N20SISO	LCH	17.730	⩾0.5	PASS
	MCH	16.470	⩾0.5	PASS
	HCH	17.400	⩾0.5	PASS
11N40SISO	LCH	36.720	⩾0.5	PASS
	MCH	26.220	⩾0.5	PASS
	HCH	23.280	⩾0.5	PASS

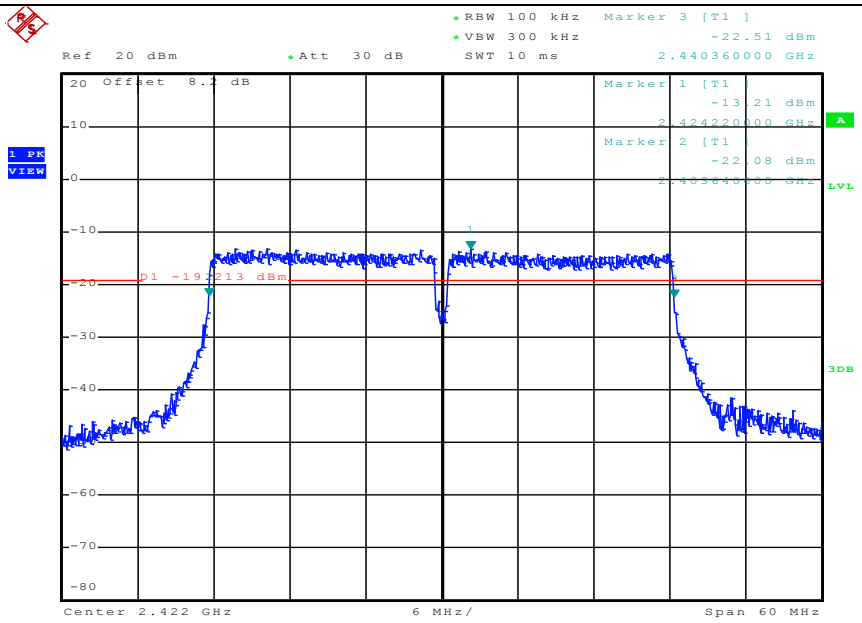
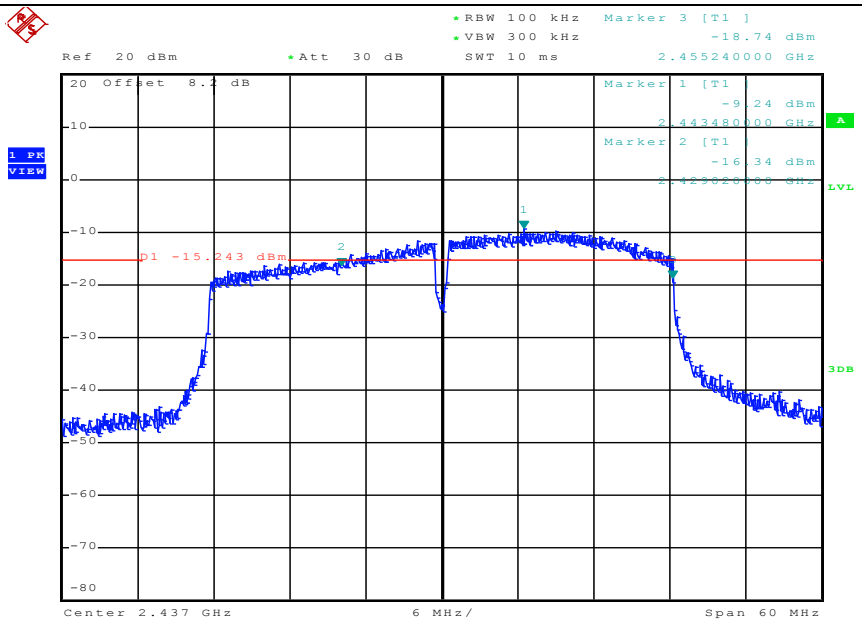
Test Graphs	
11B/LCH	 Date: 25.SEP.2019 14:39:39

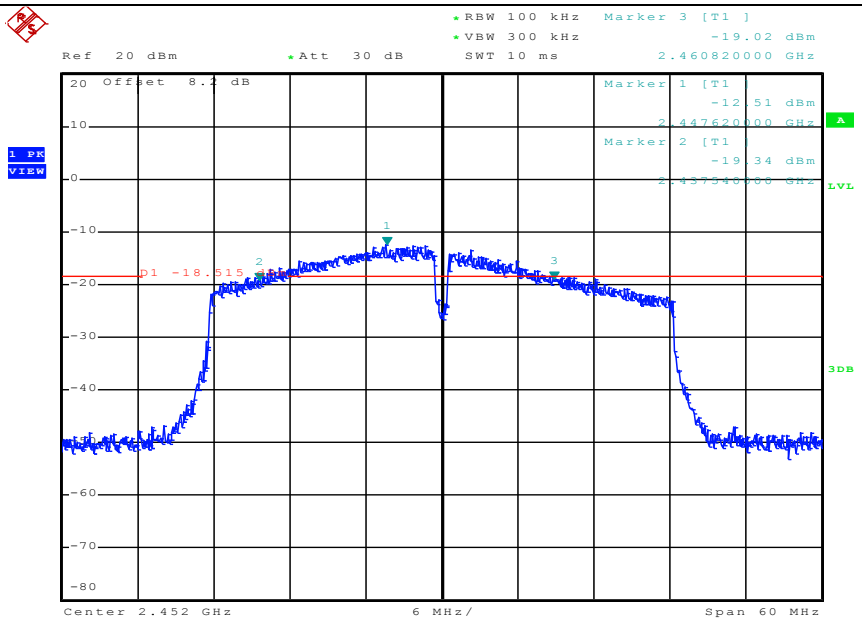
11B/MCH	 Date: 25.SEP.2019 14:42:11
11B/HCH	 Date: 25.SEP.2019 14:44:00

11G/LCH	 Date: 25.SEP.2019 14:53:34
11G/MCH	 Date: 25.SEP.2019 14:56:07

11G/HCH	 Date: 25.SEP.2019 14:57:56
11N20SISO/LCH	 Date: 25.SEP.2019 15:00:42

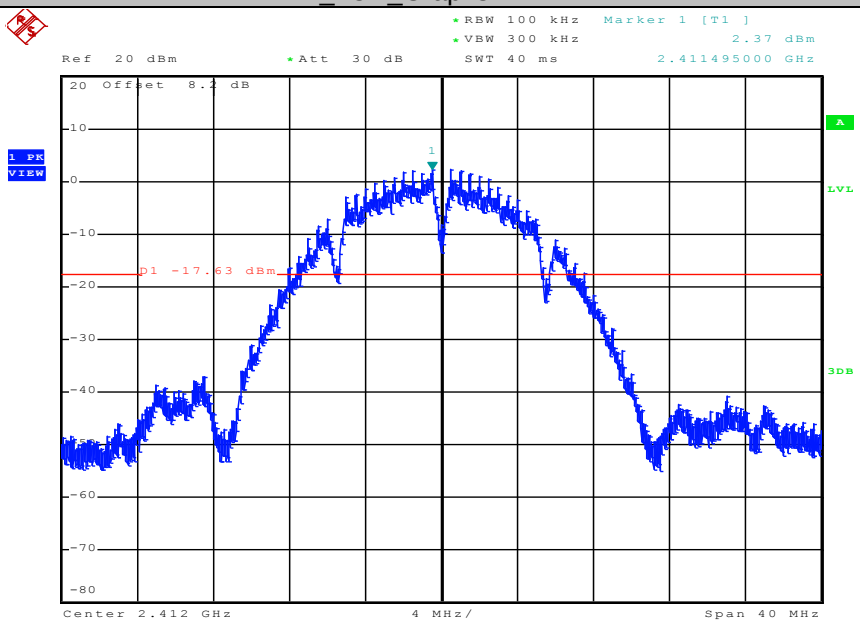
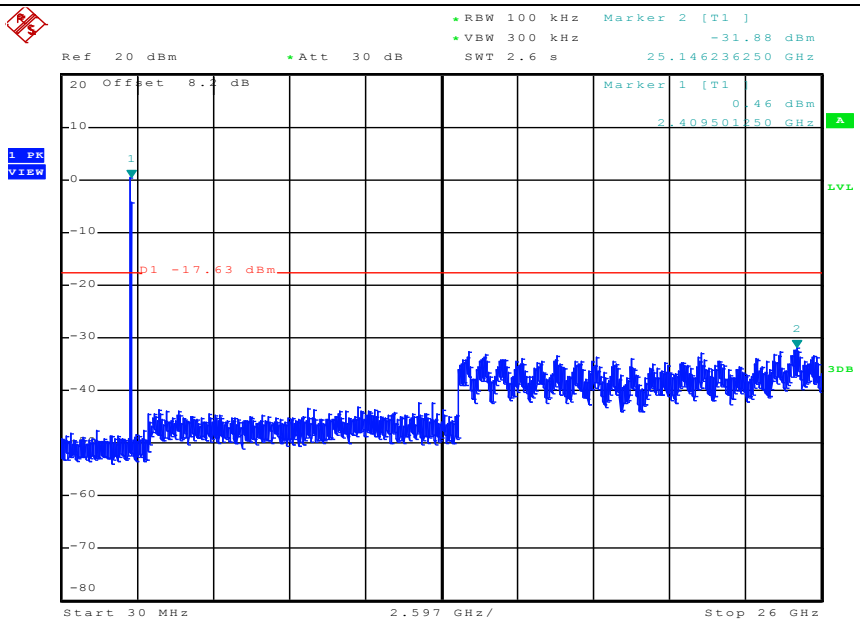
11N20SISO/MCH	 Date: 25.SEP.2019 15:03:46
11N20SISO/HCH	 Date: 25.SEP.2019 15:05:36

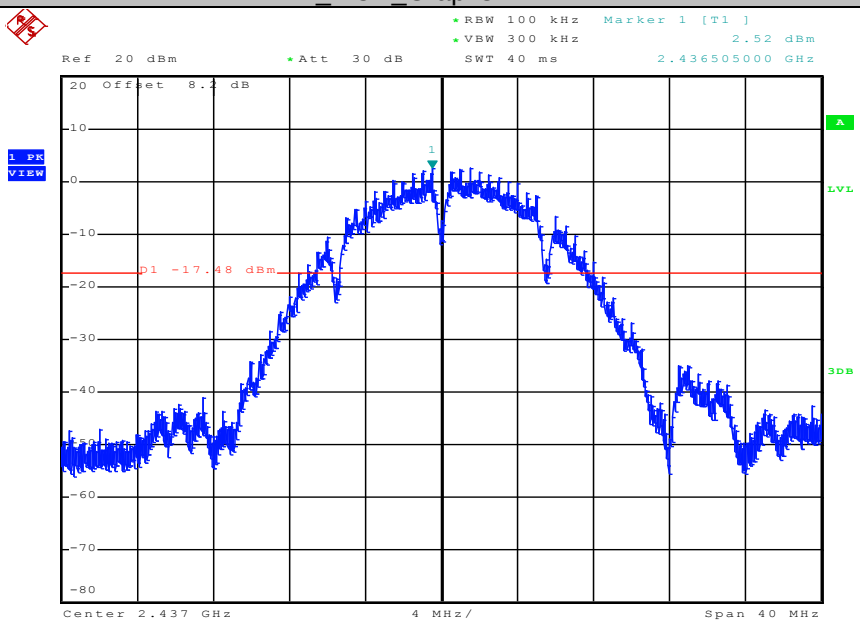
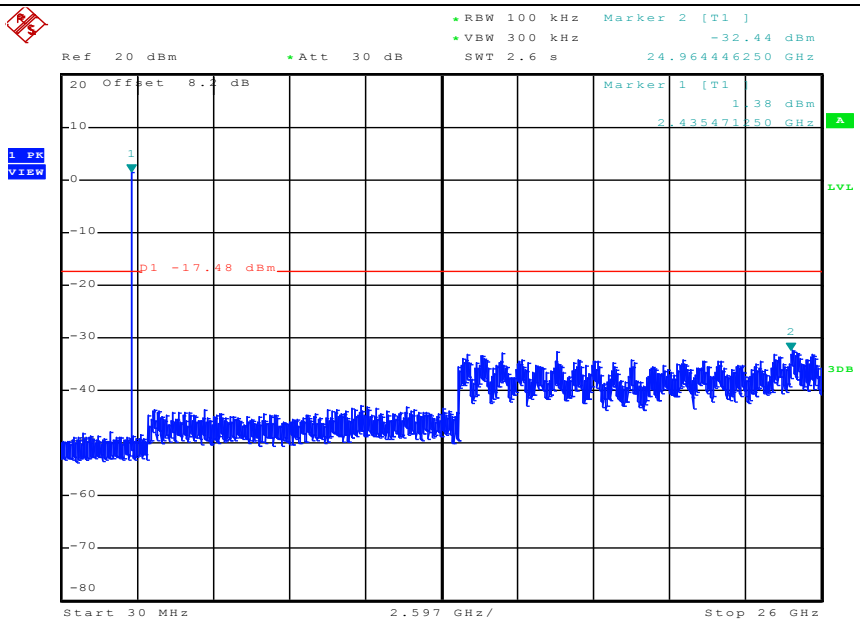
11N40SISO/LCH	 Date: 25.SEP.2019 15:08:12
11N40SISO/MCH	 Date: 25.SEP.2019 15:15:41

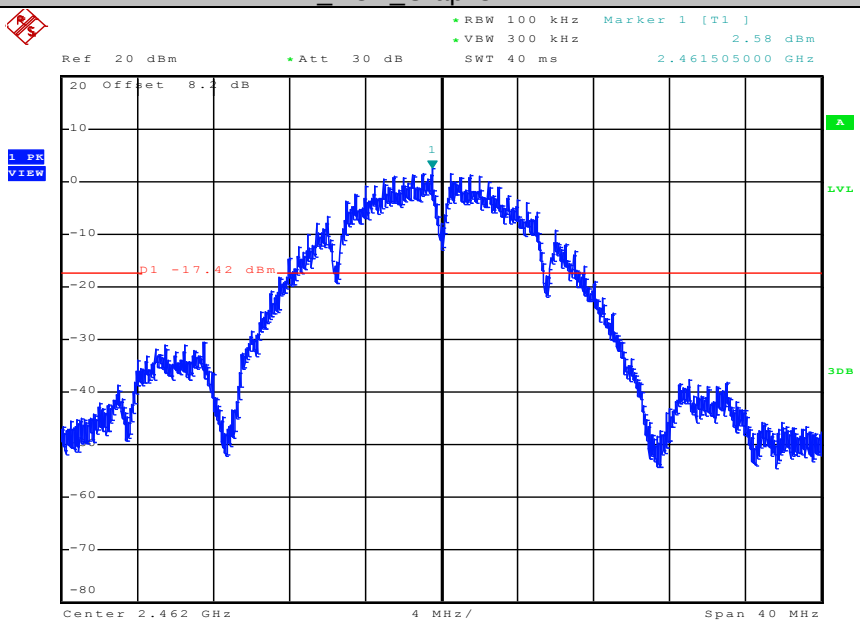
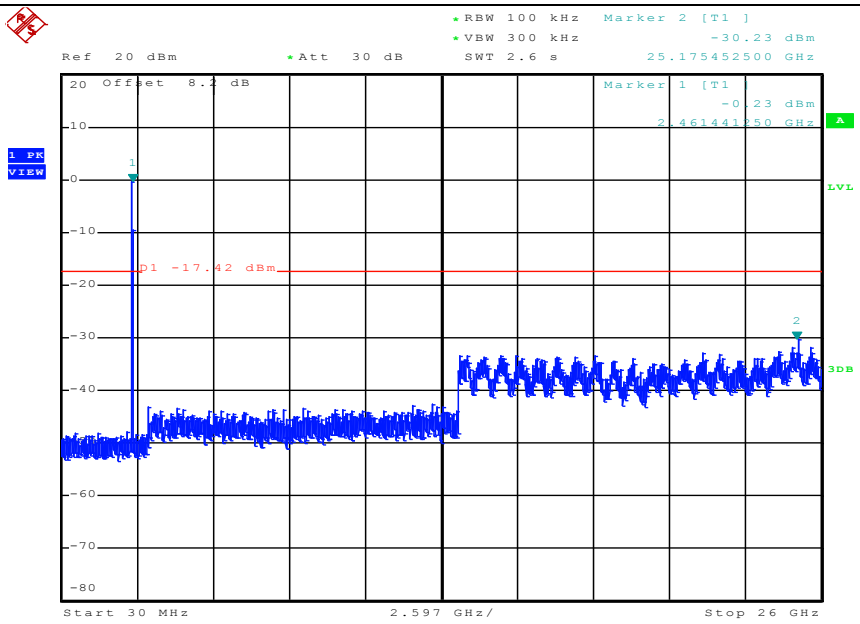
11N40SISO/HCH	 Date: 25.SEP.2019 15:17:26

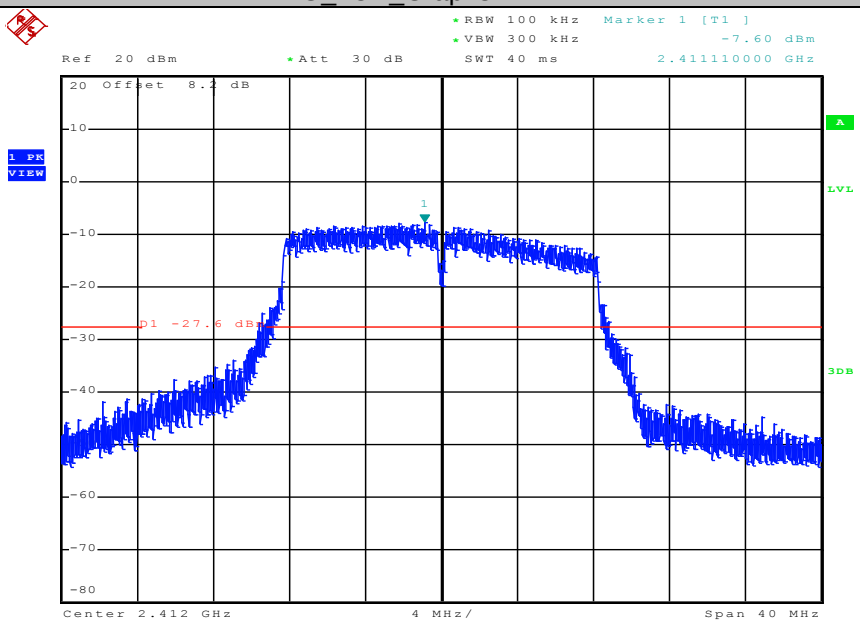
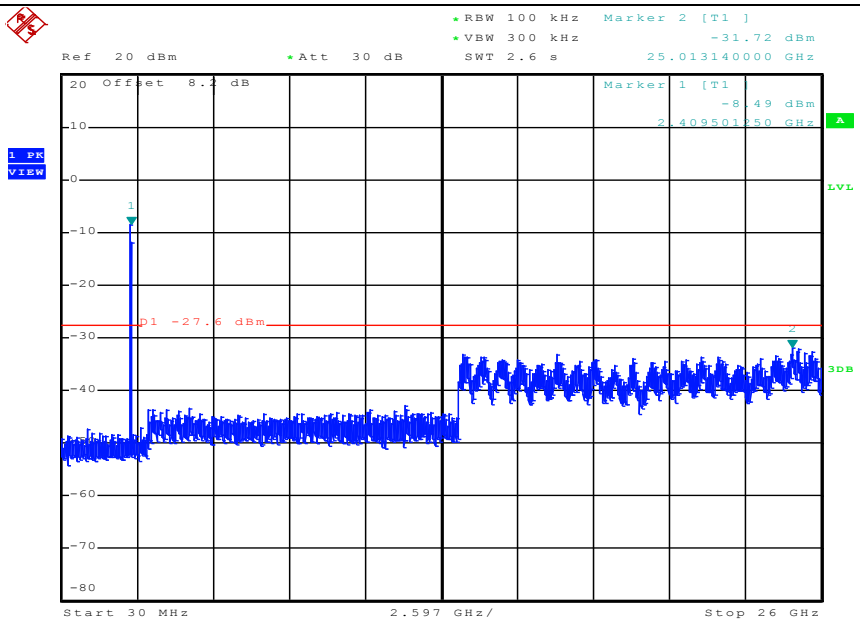
C.5 RF Conducted Spurious Emissions

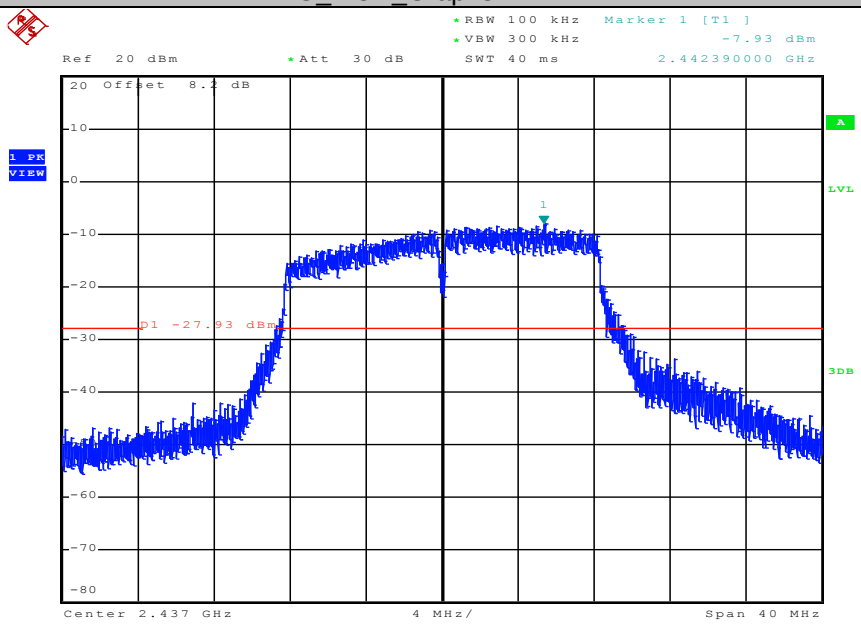
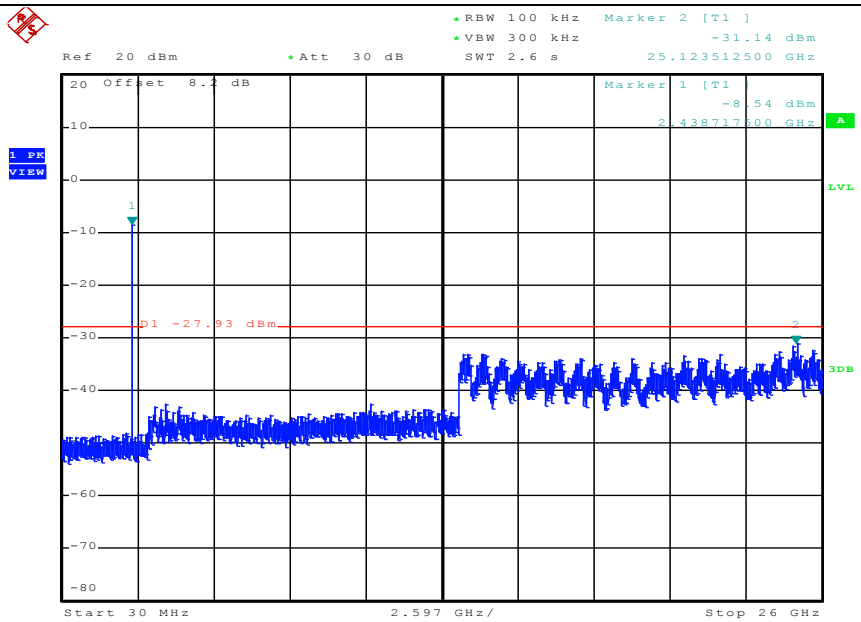
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.37	-31.880	-17.630	PASS
	MCH	2.52	-32.440	-17.480	PASS
	HCH	2.58	-30.230	-17.420	PASS
11G	LCH	-7.6	-31.720	-27.600	PASS
	MCH	-7.93	-31.140	-27.930	PASS
	HCH	-9.17	-32.570	-29.170	PASS
11N20 SISO	LCH	-9.34	-31.410	-29.340	PASS
	MCH	-8.49	-32.360	-28.490	PASS
	HCH	-9.54	-31.430	-29.540	PASS
11N40 SISO	LCH	-11.31	-31.720	-31.310	PASS
	MCH	-9.9	-32.110	-29.900	PASS
	HCH	-8.68	-31.840	-28.680	PASS

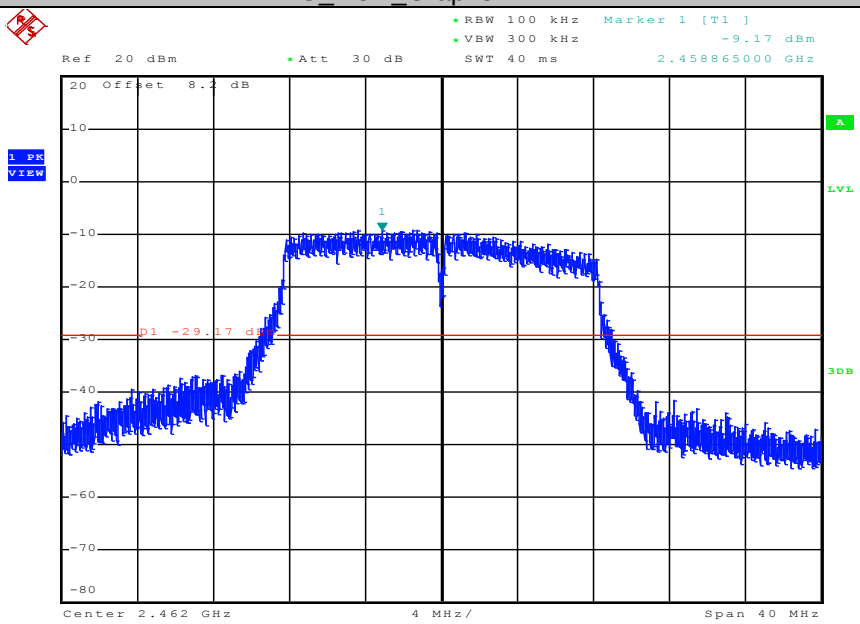
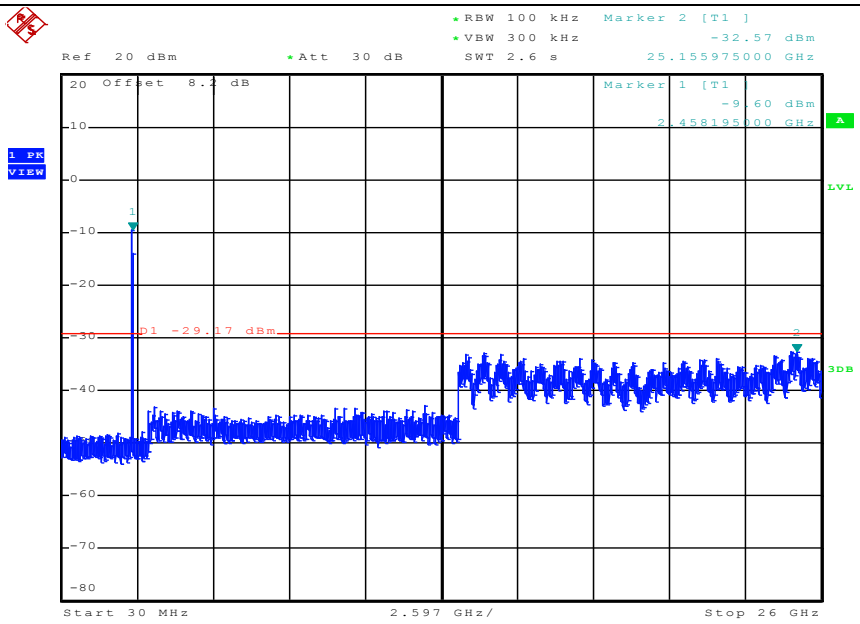
11B_LCH_Graphs	
Pref/11B/LCH	 Date: 25.SEP.2019 14:40:53
Puw/11B/LCH	 Date: 25.SEP.2019 14:41:09

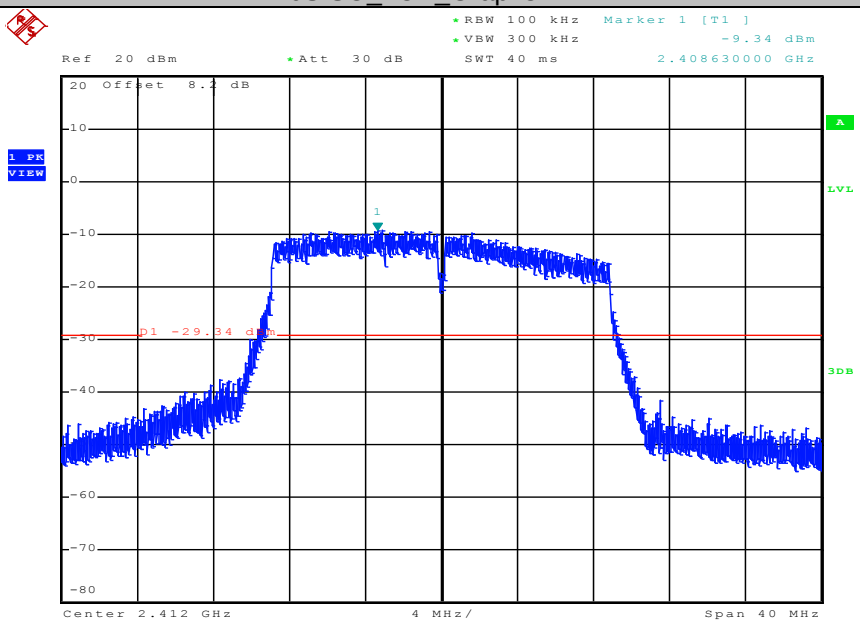
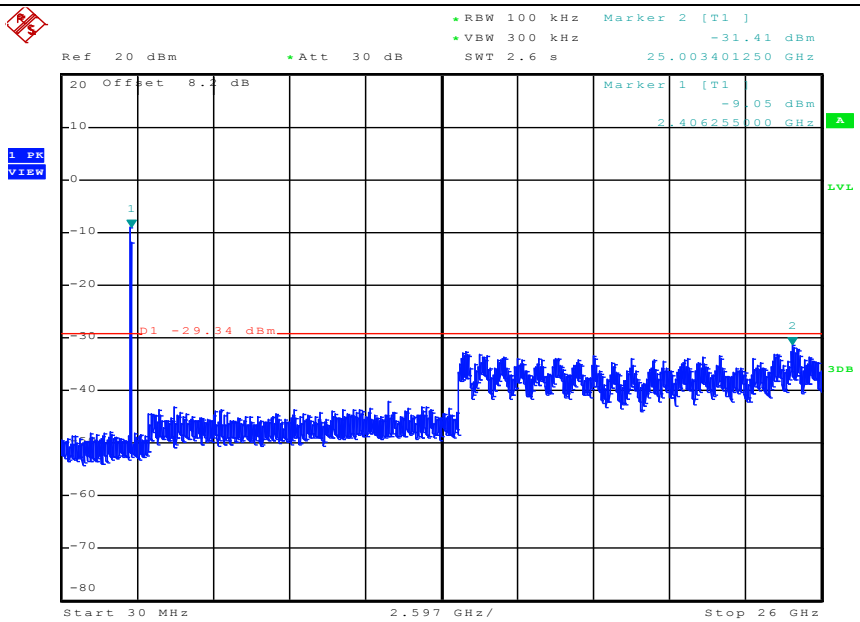
11B_MCH_Graphs	
Pref/11B/MCH	 Date: 25.SEP.2019 14:43:11
Puw/11B/MCH	 Date: 25.SEP.2019 14:43:26

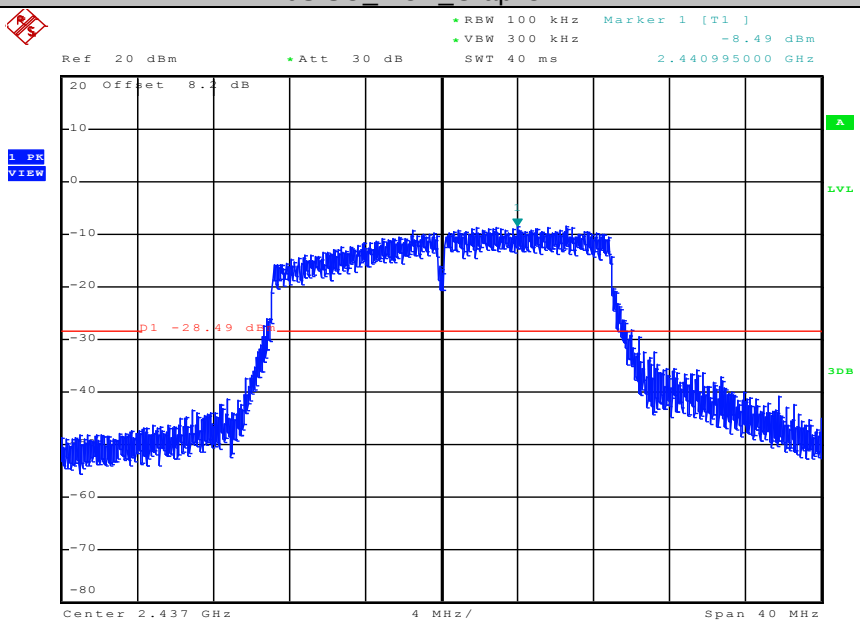
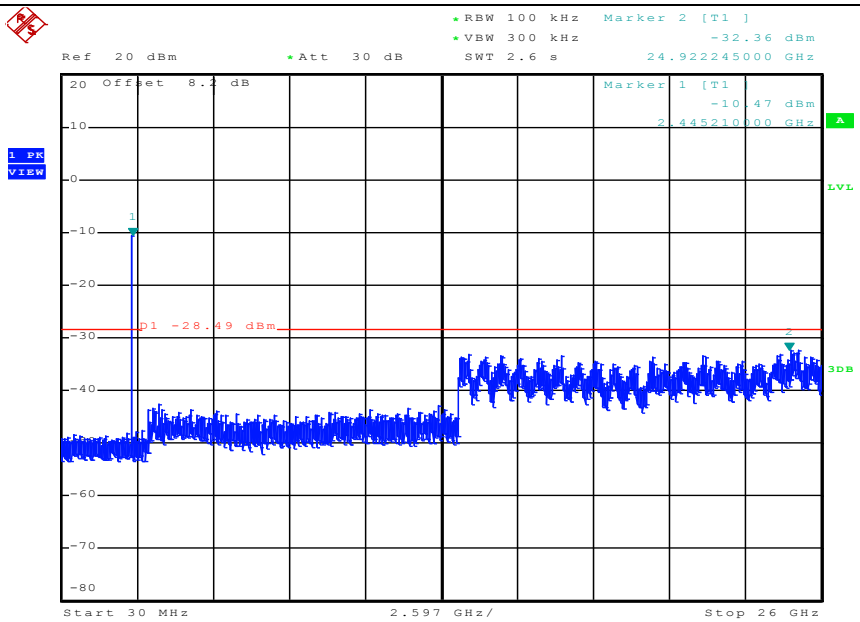
11B_HCH_Graphs	
Pref/11B/HCH	 Date: 25.SEP.2019 14:45:14
Puw/11B/HCH	 Date: 25.SEP.2019 14:45:33

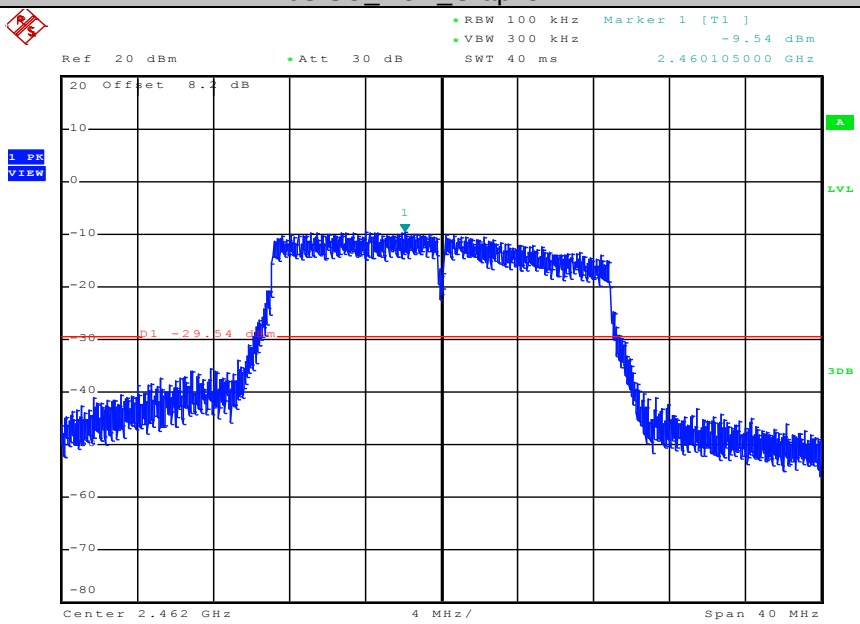
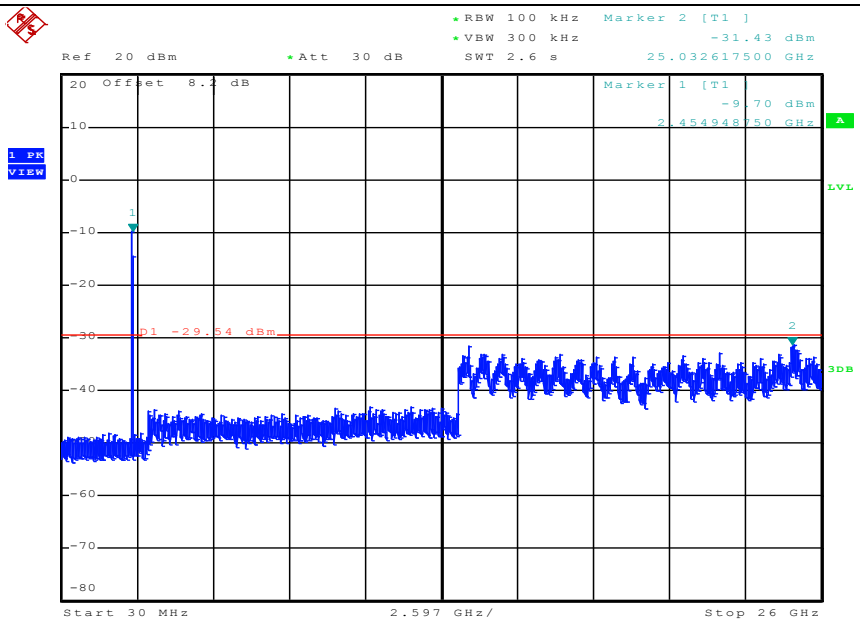
11G_LCH_Graphs	
Pref/11G/LCH	 Date: 25.SEP.2019 14:54:48
Puw/11G/LCH	 Date: 25.SEP.2019 14:55:03

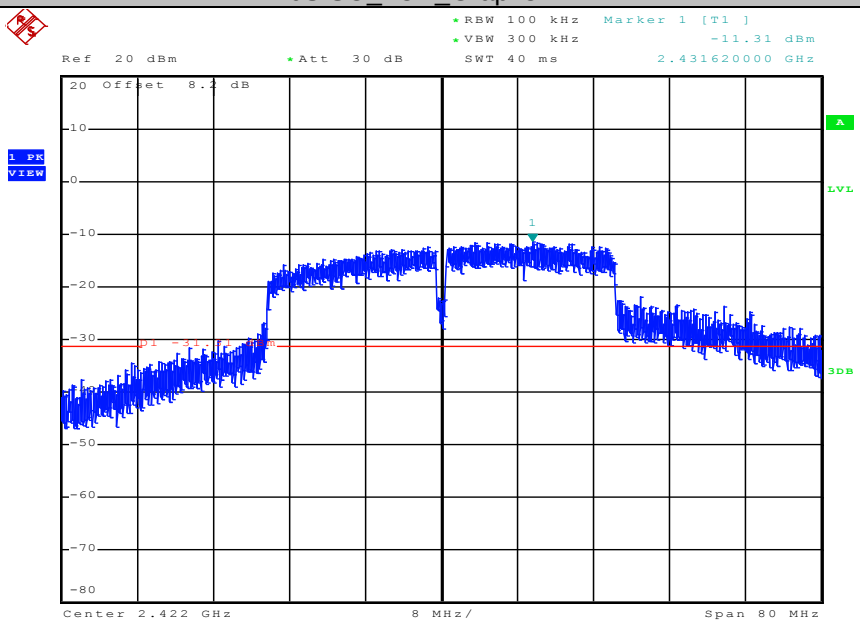
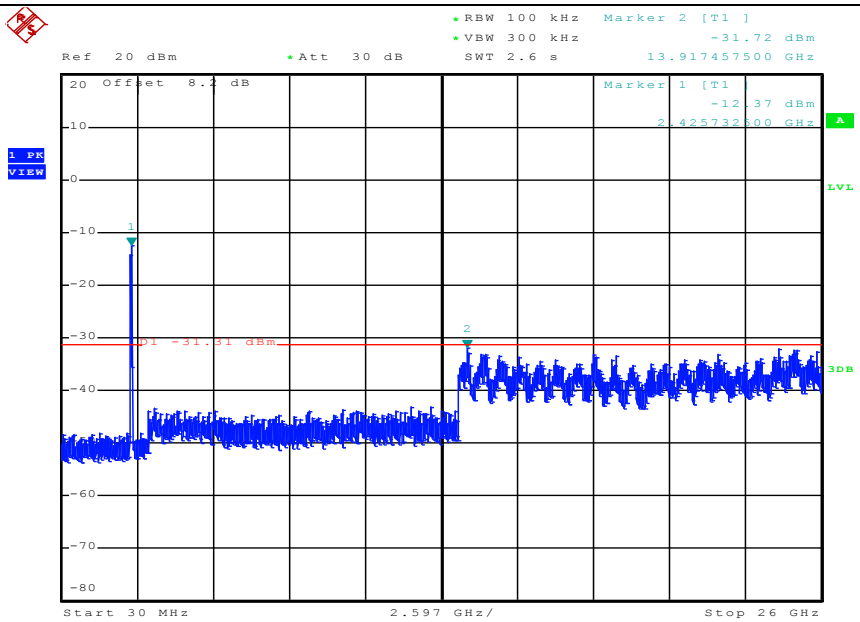
11G_MCH_Graphs	
Pref/11G/MCH	 Date: 25.SEP.2019 14:57:07
Puw/11G/MCH	 Date: 25.SEP.2019 14:57:23

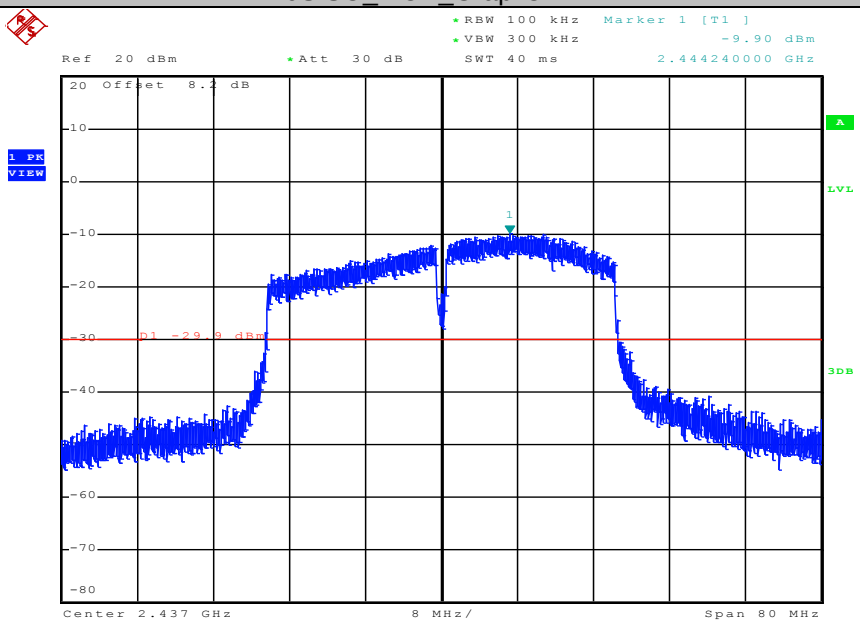
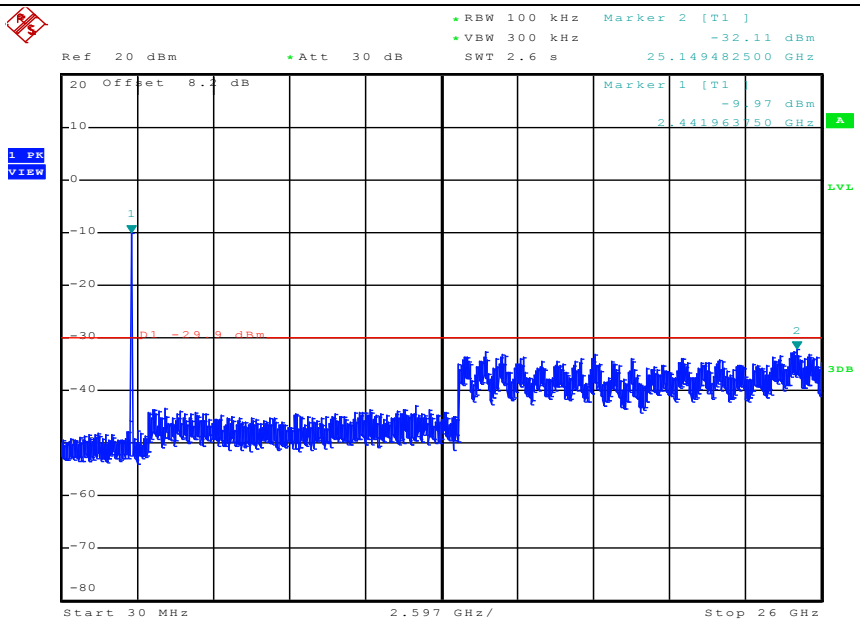
11G_HCH_Graphs	
Pref/11G/HCH	 Date: 25.SEP.2019 14:59:11
Puw/11G/HCH	 Date: 25.SEP.2019 14:59:26

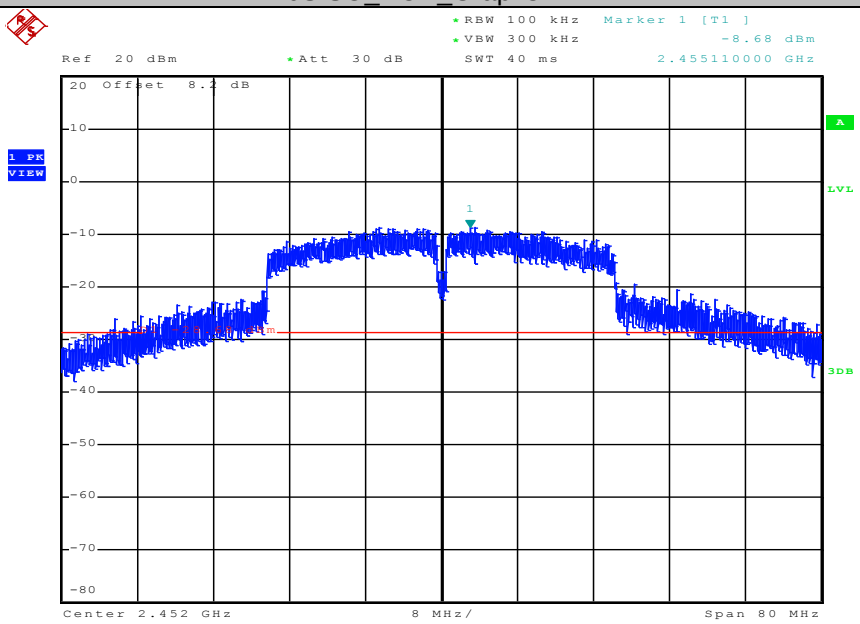
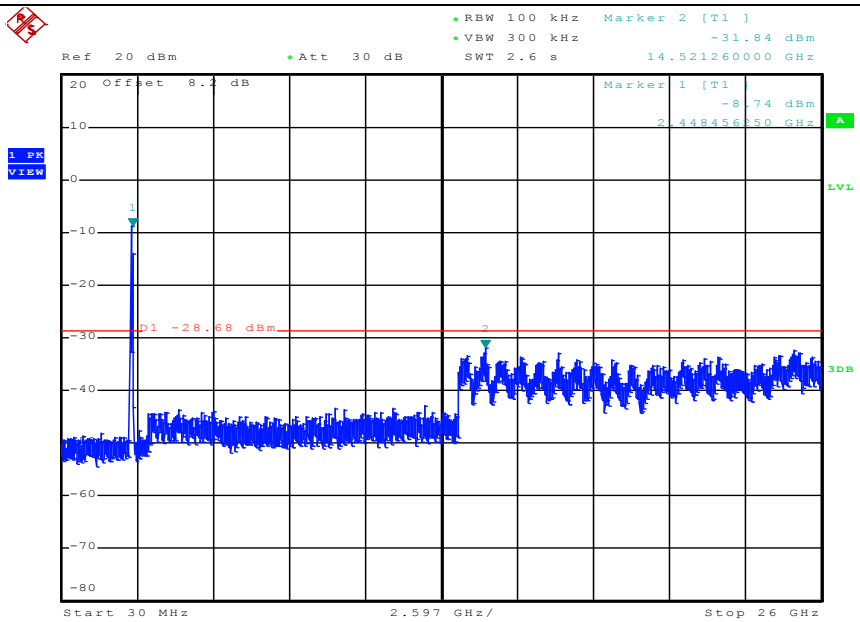
11N20SISO_LCH_Graphs	
Pref/11N20SISO/LCH	 Date: 25.SEP.2019 15:01:55
Puw/11N20SISO/LCH	 Date: 25.SEP.2019 15:02:12

11N20SISO_MCH_Graphs	
Pref/11N20 SISO/MCH	 Date: 25.SEP.2019 15:04:47
Puw/11N20 SISO/MCH	 Date: 25.SEP.2019 15:05:02

11N20SISO_HCH_Graphs	
Pref/11N20 SISO/HCH	 Date: 25.SEP.2019 15:06:50
Puw/11N20 SISO/HCH	 Date: 25.SEP.2019 15:07:07

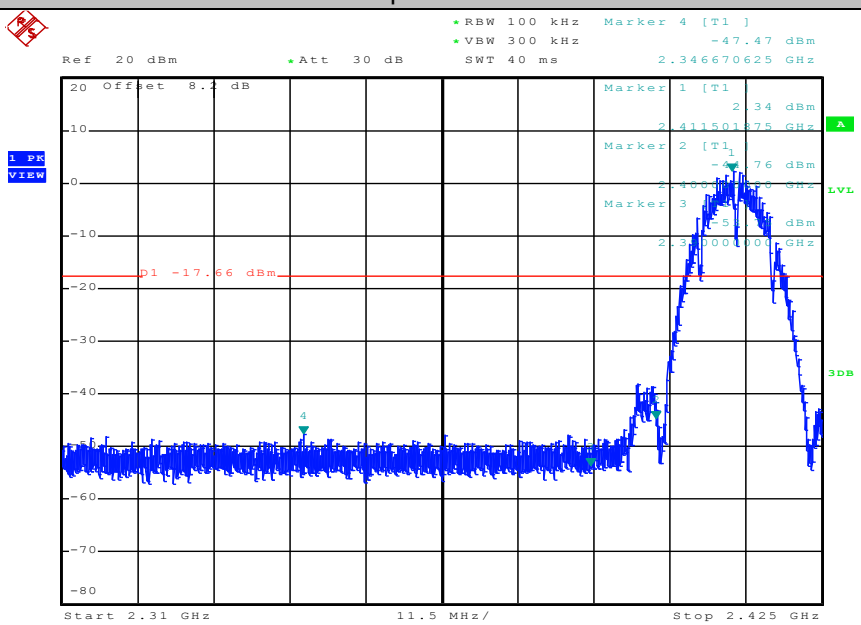
11N40SISO_LCH_Graphs	
Pref/11N40 SISO/LCH	 Date: 25.SEP.2019 15:30:29
Puw/11N40 SISO/LCH	 Date: 25.SEP.2019 15:30:43

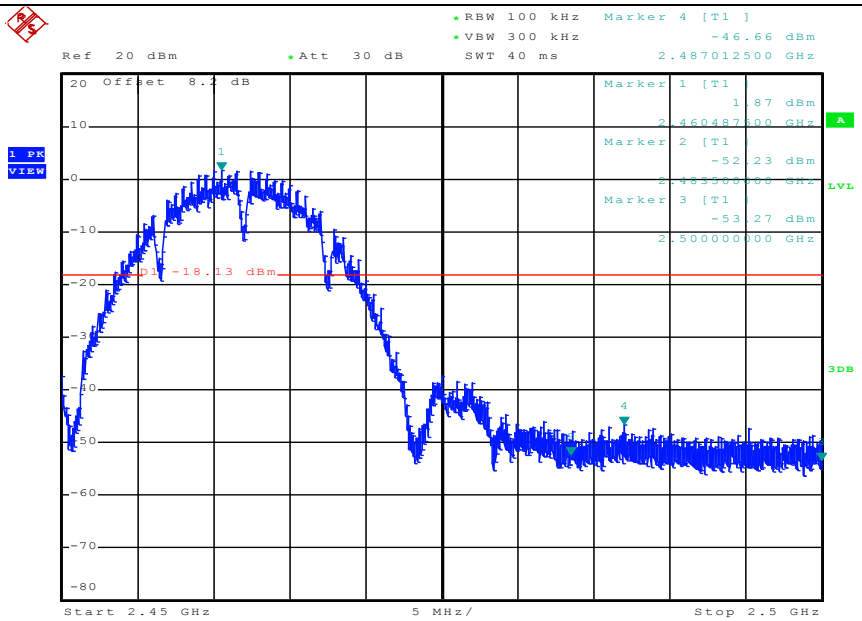
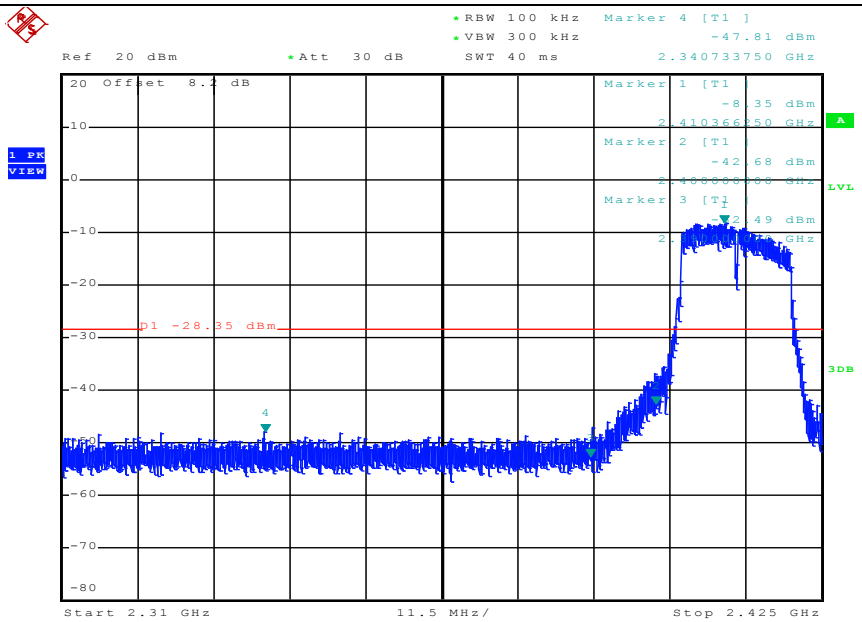
11N40SISO_MCH_Graphs	
Pref/11N40 SISO/MCH	 Date: 25.SEP.2019 15:16:40
Puw/11N40 SISO/MCH	 Date: 25.SEP.2019 15:16:55

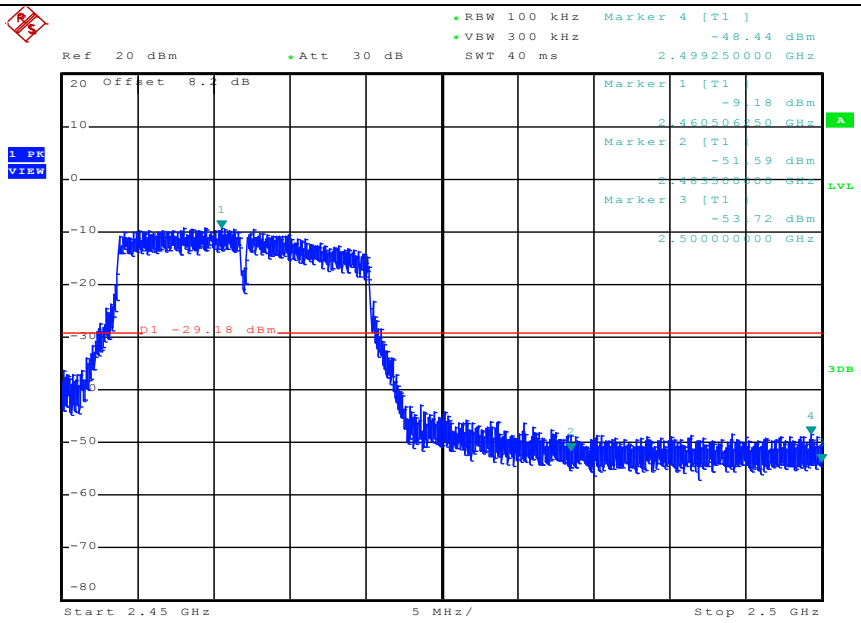
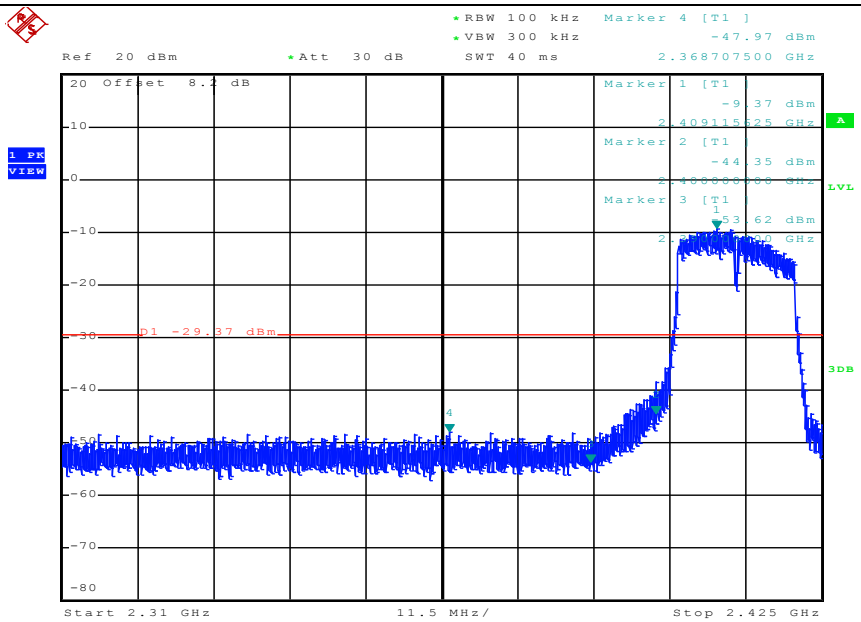
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	 Date: 25.SEP.2019 15:32:00
Puw/11N40 SISO/HCH	 Date: 25.SEP.2019 15:32:14

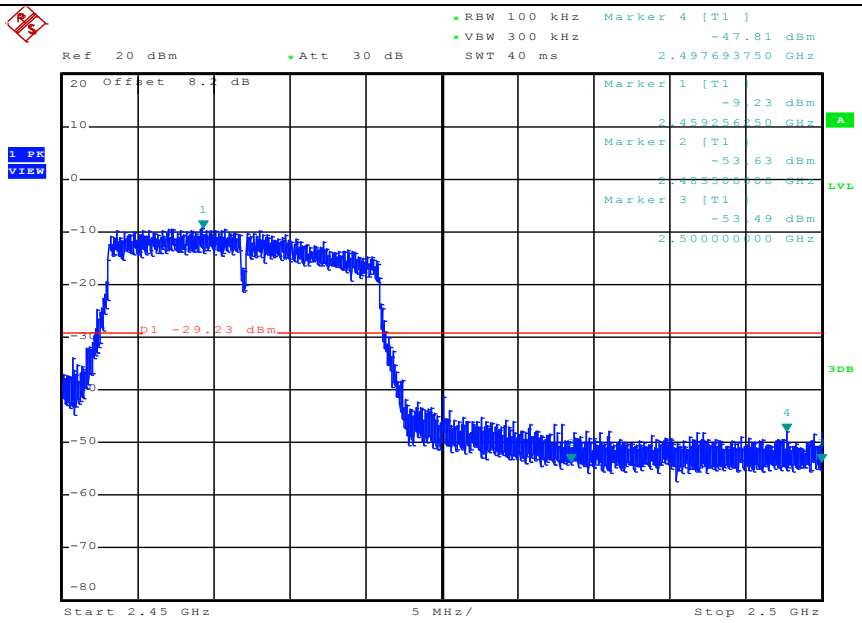
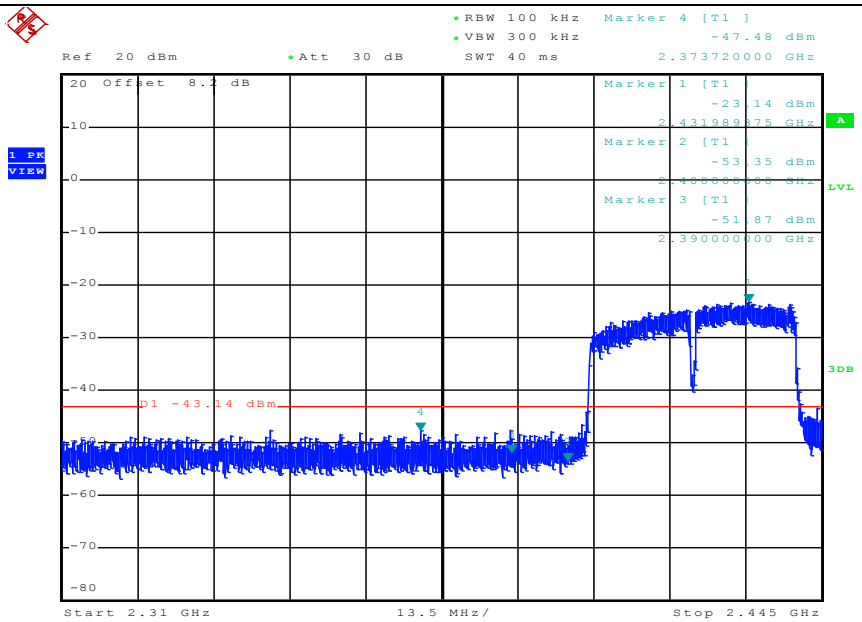
C.6 Band-edge for RF Conducted Emissions

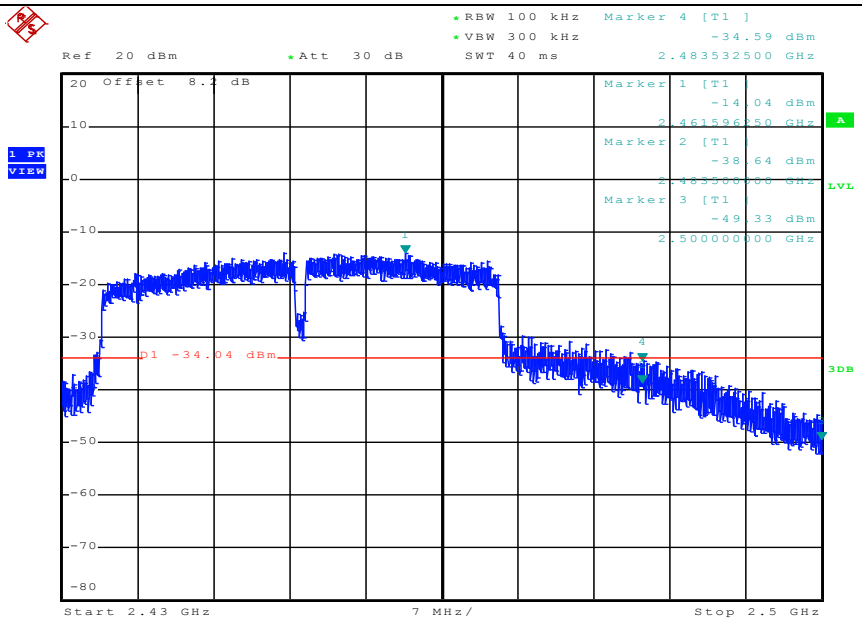
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.340	-47.468	-17.66	PASS
	HCH	1.870	-46.660	-18.13	PASS
11G	LCH	-8.350	-47.815	-28.35	PASS
	HCH	-9.180	-48.436	-29.18	PASS
11N20SISO	LCH	-9.370	-47.966	-29.37	PASS
	HCH	-9.230	-47.806	-29.23	PASS
11N40SISO	LCH	-23.140	-47.477	-43.14	PASS
	HCH	-14.040	-34.590	-34.04	PASS

Test Graphs	
11B/LCH	 Date: 25.SEP.2019 14:40:40

11B/HCH	
11G/LCH	

11G/HCH	 Date: 25.SEP.2019 14:58:57
11N20SISO/LCH	 Date: 25.SEP.2019 15:01:42

11N20SISO/HCH	 Date: 25.SEP.2019 15:06:37
11N40SISO/LCH	 Date: 25.SEP.2019 15:28:23

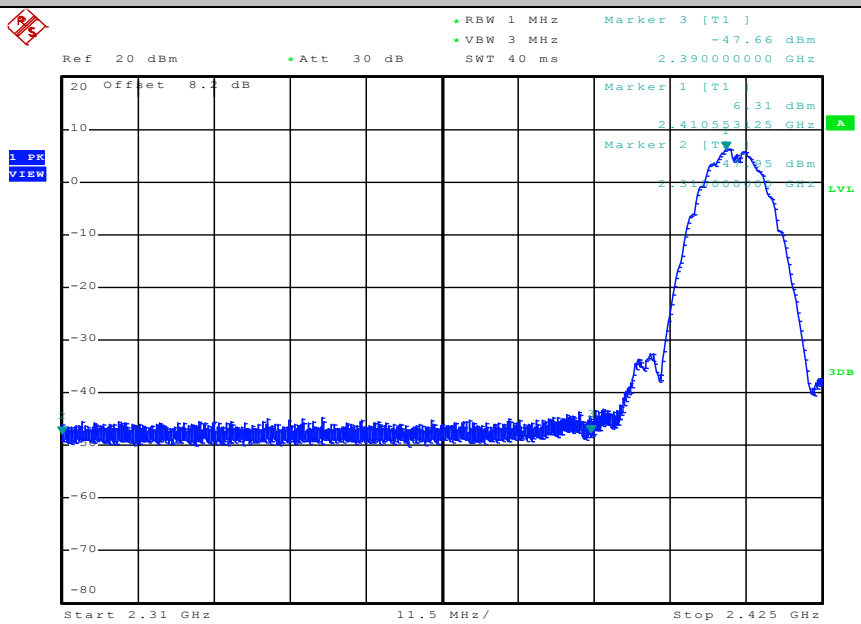
11N40SISO/HCH	 Date: 25.SEP.2019 15:31:06

C.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
11B	2412	Ant1	2310.0	-47.95	2.3	0	49.61	PEAK	74	PASS
	2412	Ant1	2310.0	-57.81	2.3	0	39.75	AV	54	PASS
	2412	Ant1	2390.0	-47.66	2.3	0	49.90	PEAK	74	PASS
	2412	Ant1	2390.0	-56.71	2.3	0	40.85	AV	54	PASS
	2462	Ant1	2483.5	-44.50	2.3	0	53.06	PEAK	74	PASS
	2462	Ant1	2483.5	-55.58	2.3	0	41.98	AV	54	PASS
	2462	Ant1	2500.0	-48.09	2.3	0	49.47	PEAK	74	PASS
	2462	Ant1	2500.0	-57.97	2.3	0	39.59	AV	54	PASS
11G	2412	Ant1	2310.0	-46.88	2.3	0	50.68	PEAK	74	PASS
	2412	Ant1	2310.0	-57.85	2.3	0	39.71	AV	54	PASS
	2412	Ant1	2390.0	-41.23	2.3	0	56.33	PEAK	74	PASS
	2412	Ant1	2390.0	-55.45	2.3	0	42.11	AV	54	PASS
	2462	Ant1	2483.5	-44.84	2.3	0	52.72	PEAK	74	PASS
	2462	Ant1	2483.5	-55.85	2.3	0	41.71	AV	54	PASS
	2462	Ant1	2500.0	-47.94	2.3	0	49.62	PEAK	74	PASS
	2462	Ant1	2500.0	-58.04	2.3	0	39.52	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-46.04	2.3	0	51.52	PEAK	74	PASS
	2412	Ant1	2310.0	-57.85	2.3	0	39.71	AV	54	PASS
	2412	Ant1	2390.0	-43.14	2.3	0	54.42	PEAK	74	PASS
	2412	Ant1	2390.0	-56.00	2.3	0	41.56	AV	54	PASS
	2462	Ant1	2483.5	-42.11	2.3	0	55.45	PEAK	74	PASS
	2462	Ant1	2483.5	-55.28	2.3	0	42.28	AV	54	PASS
	2462	Ant1	2500.0	-48.56	2.3	0	49.00	PEAK	74	PASS
	2462	Ant1	2500.0	-57.99	2.3	0	39.57	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-48.59	2.3	0	48.97	PEAK	74	PASS
	2422	Ant1	2310.0	-57.85	2.3	0	39.71	AV	54	PASS

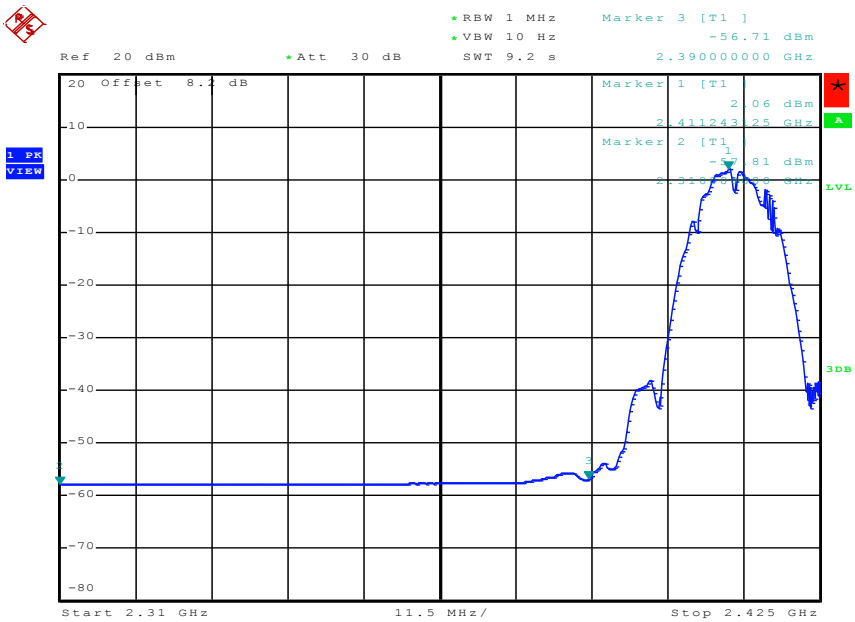
	2422	Ant1	2390.0	-45.75	2.3	0	51.81	PEAK	74	PASS
	2422	Ant1	2390.0	-56.73	2.3	0	40.83	AV	54	PASS
	2452	Ant1	2483.5	-45.35	2.3	0	52.21	PEAK	74	PASS
	2452	Ant1	2483.5	-56.67	2.3	0	40.89	AV	54	PASS
	2452	Ant1	2500.0	-48.53	2.3	0	49.03	PEAK	74	PASS
	2452	Ant1	2500.0	-57.88	2.3	0	39.68	AV	54	PASS

Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



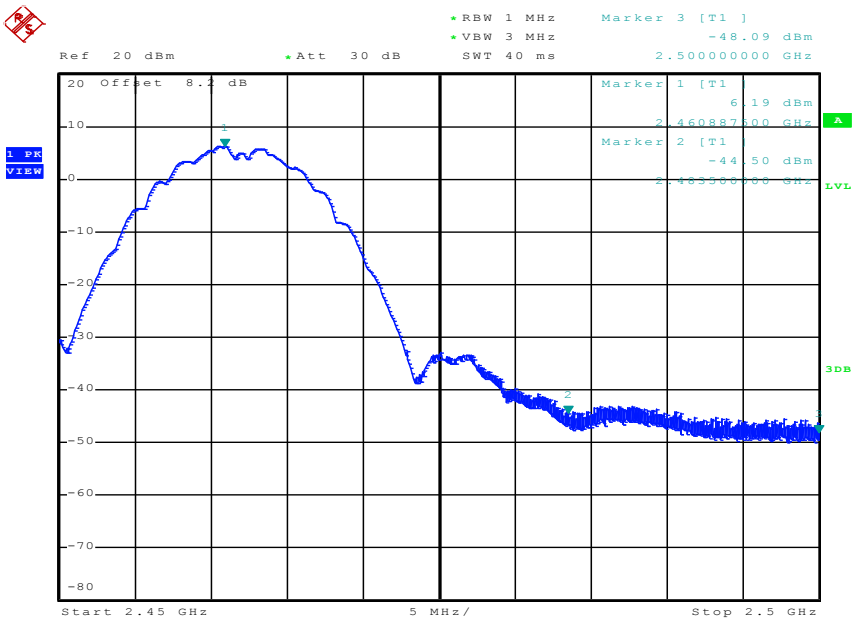
Date: 25.SEP.2019 14:41:28

Restrict-band band-edge measurements_11B_2412_Ant1_AV



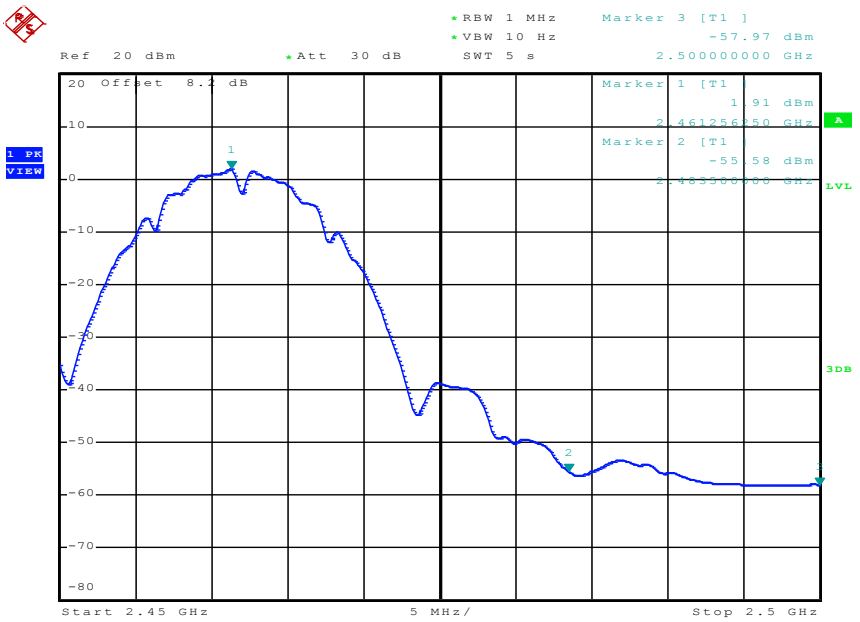
Date: 25.SEP.2019 14:41:43

Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



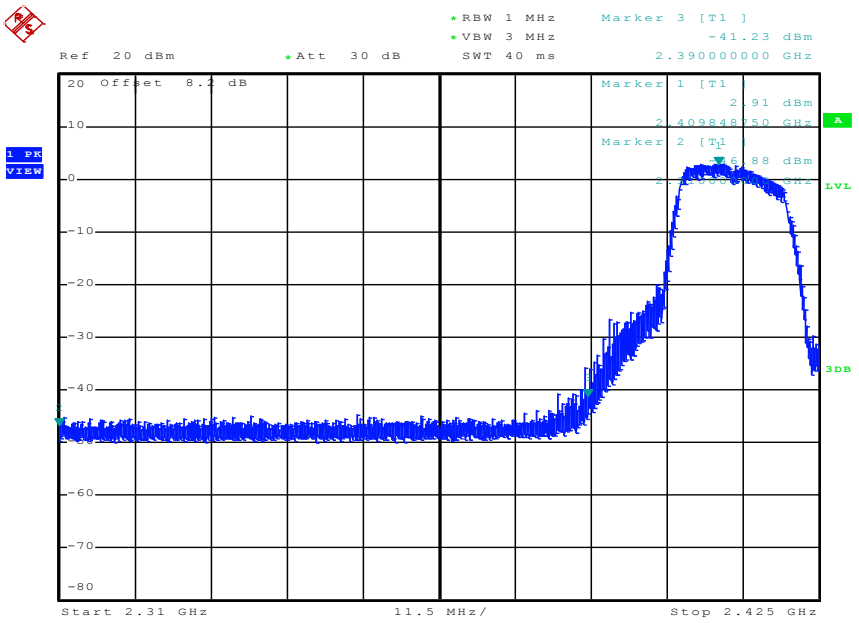
Date: 25.SEP.2019 14:45:51

Restrict-band band-edge measurements_11B_2462_Ant1_AV



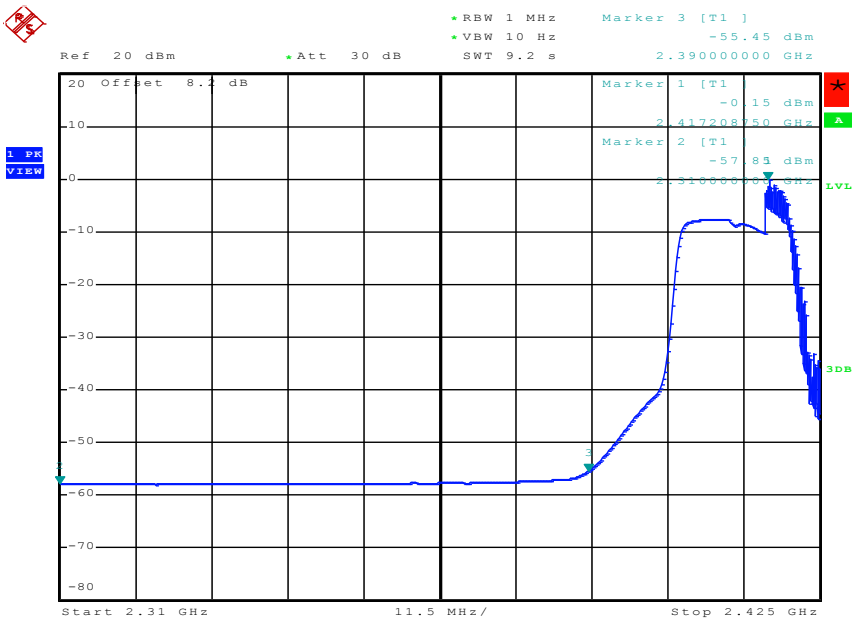
Date: 25.SEP.2019 14:46:07

Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



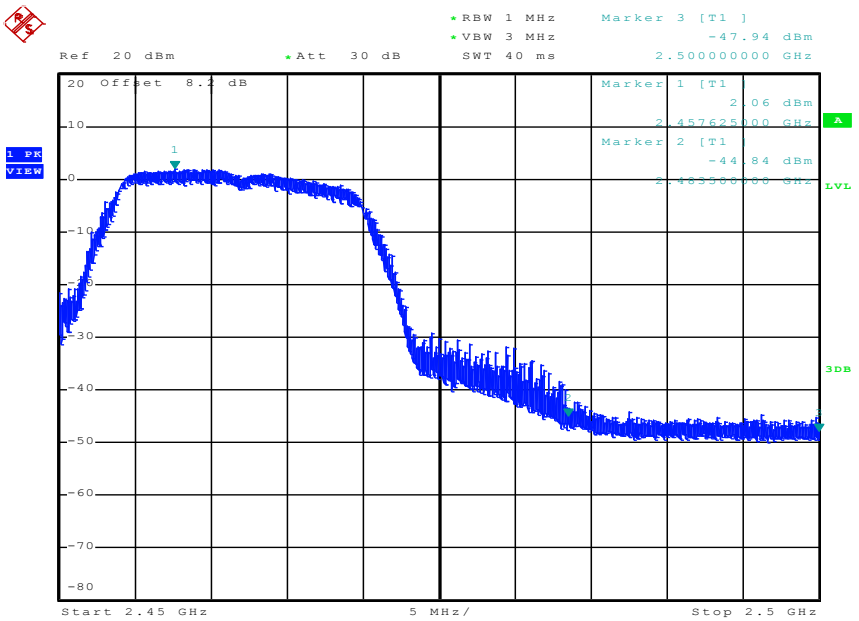
Date: 25.SEP.2019 14:55:22

Restrict-band band-edge measurements_11G_2412_Ant1_AV



Date: 25.SEP.2019 14:55:37

Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



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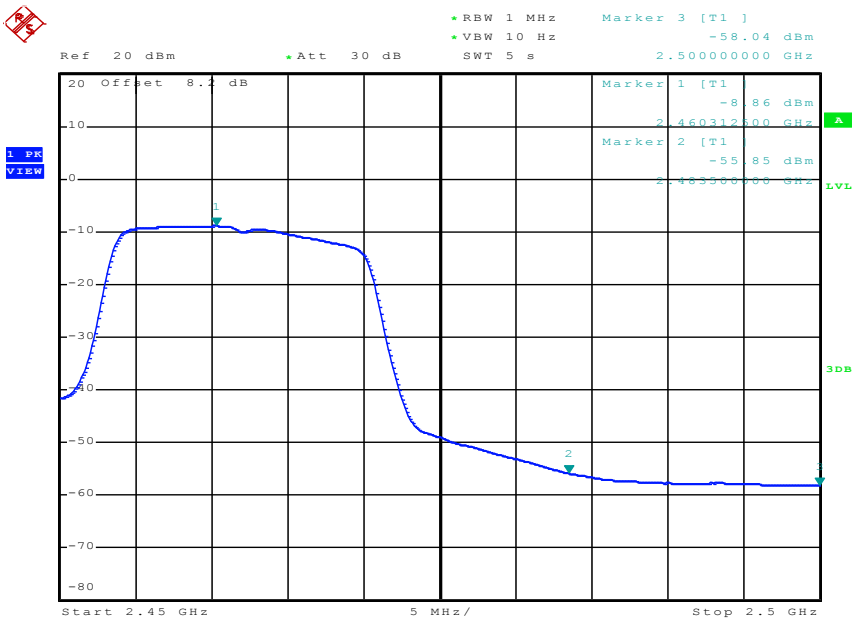
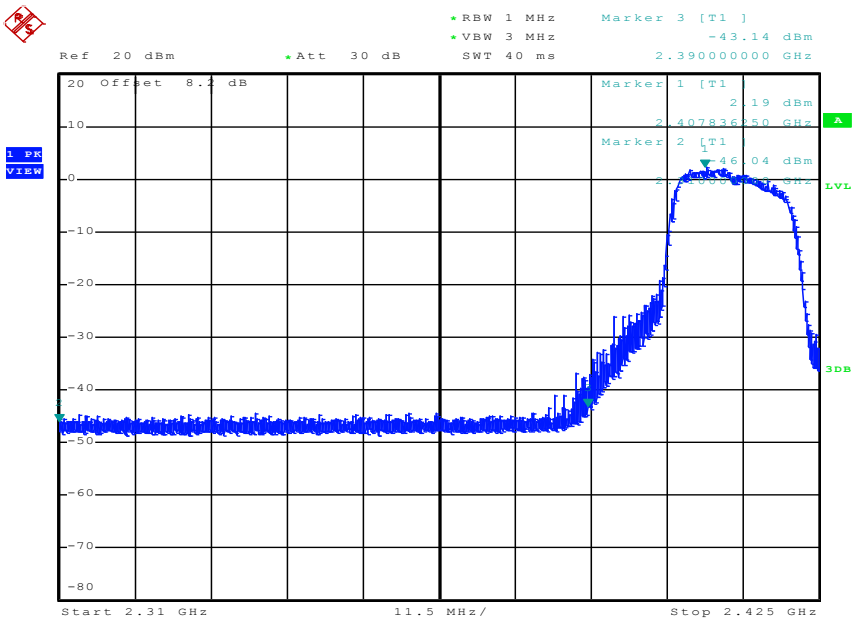
Restrict-band band-edge measurements_11G_2462_Ant1_AV



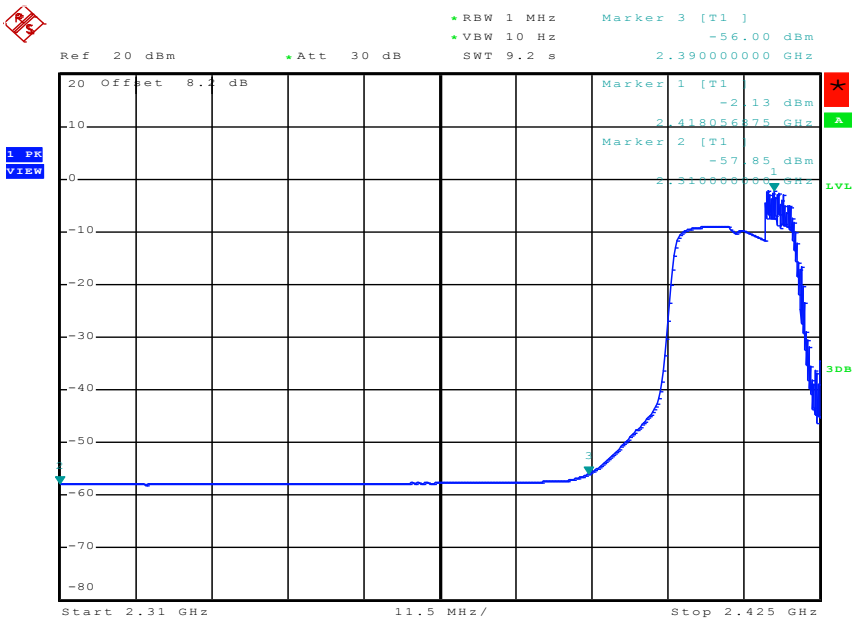
Date: 25.SEP.2019 15:00:00

Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



Date: 25.SEP.2019 15:02:52

Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



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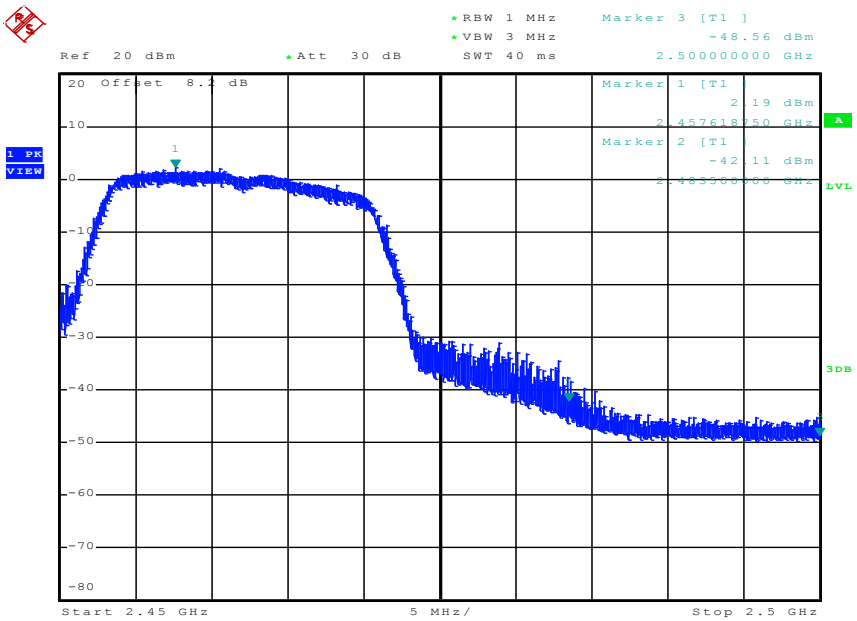

Date: 25.SEP.2019 15:07:26

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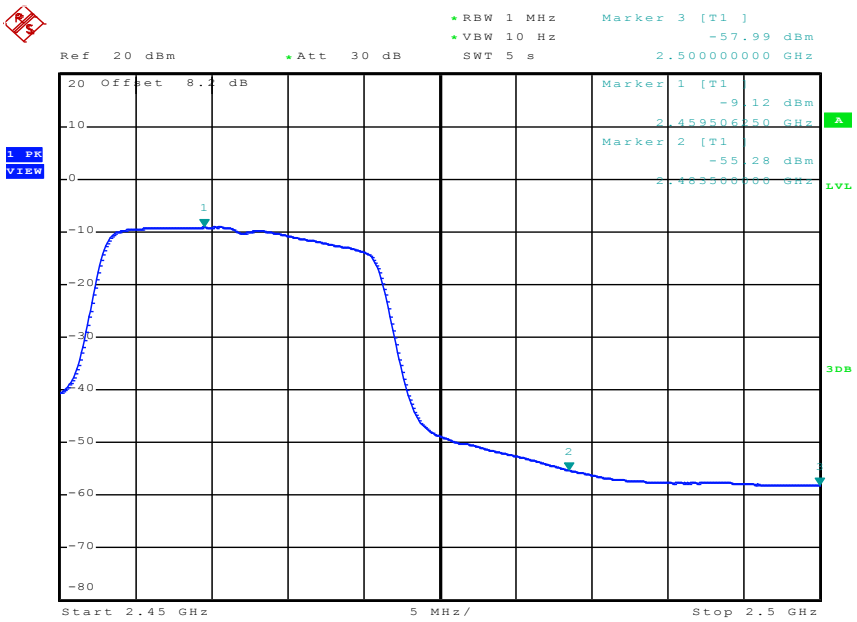

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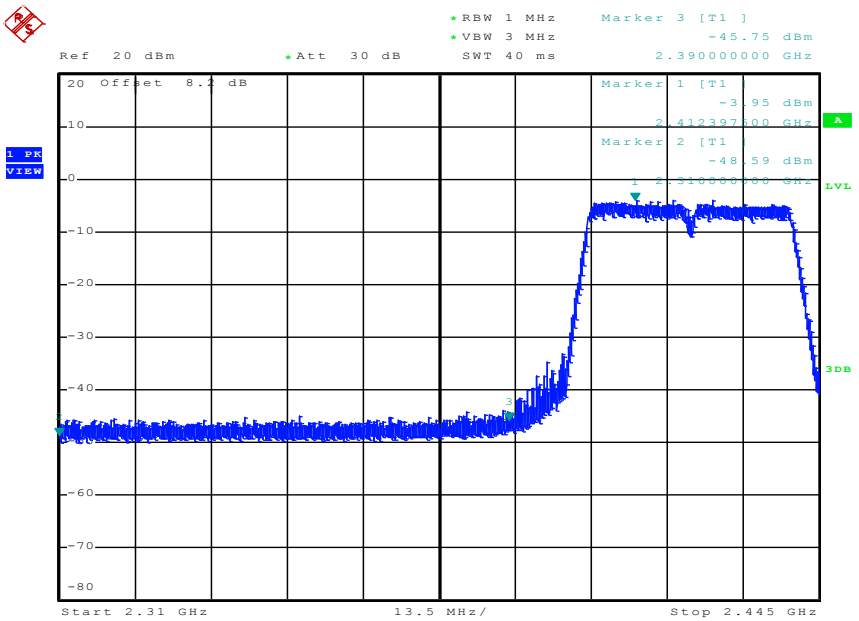

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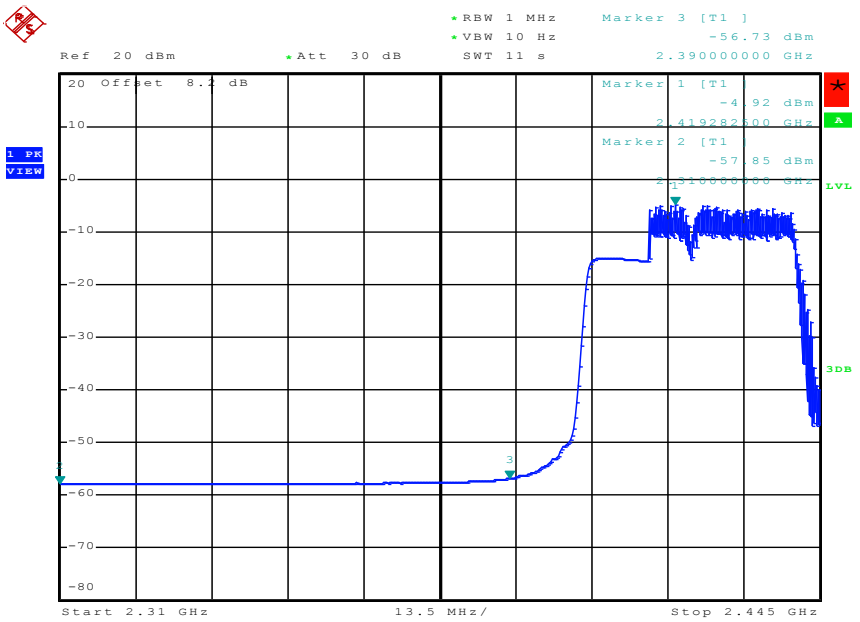

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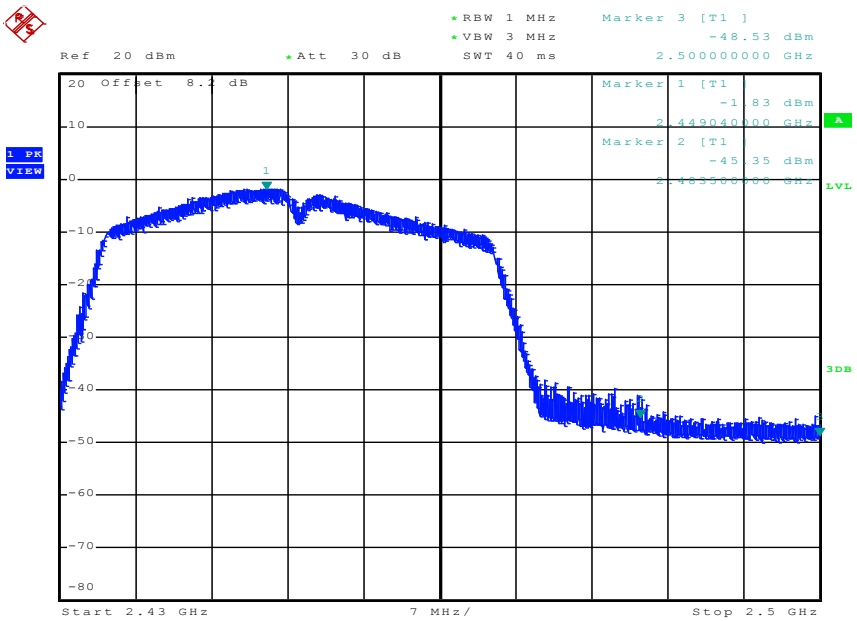

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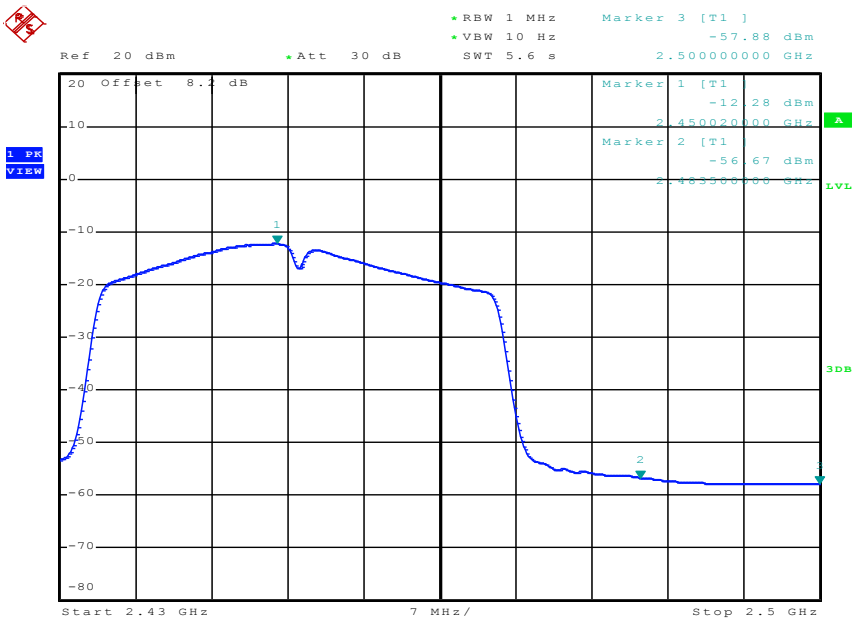

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