Appendix DTS.A: DTS (6 dB) Bandwidth

In this document, the “DTS6dBBW” refers to the measured “DTS (6 dB) Bandwidth” value. In this Appendix, the “fc(DTS6dBBW)” refers to the centre of the measured “DTS6dBBW”. The introduction of the “fc(DTS6dBBW)” is due to that other measurements use it as the spectrum analyzer setting.

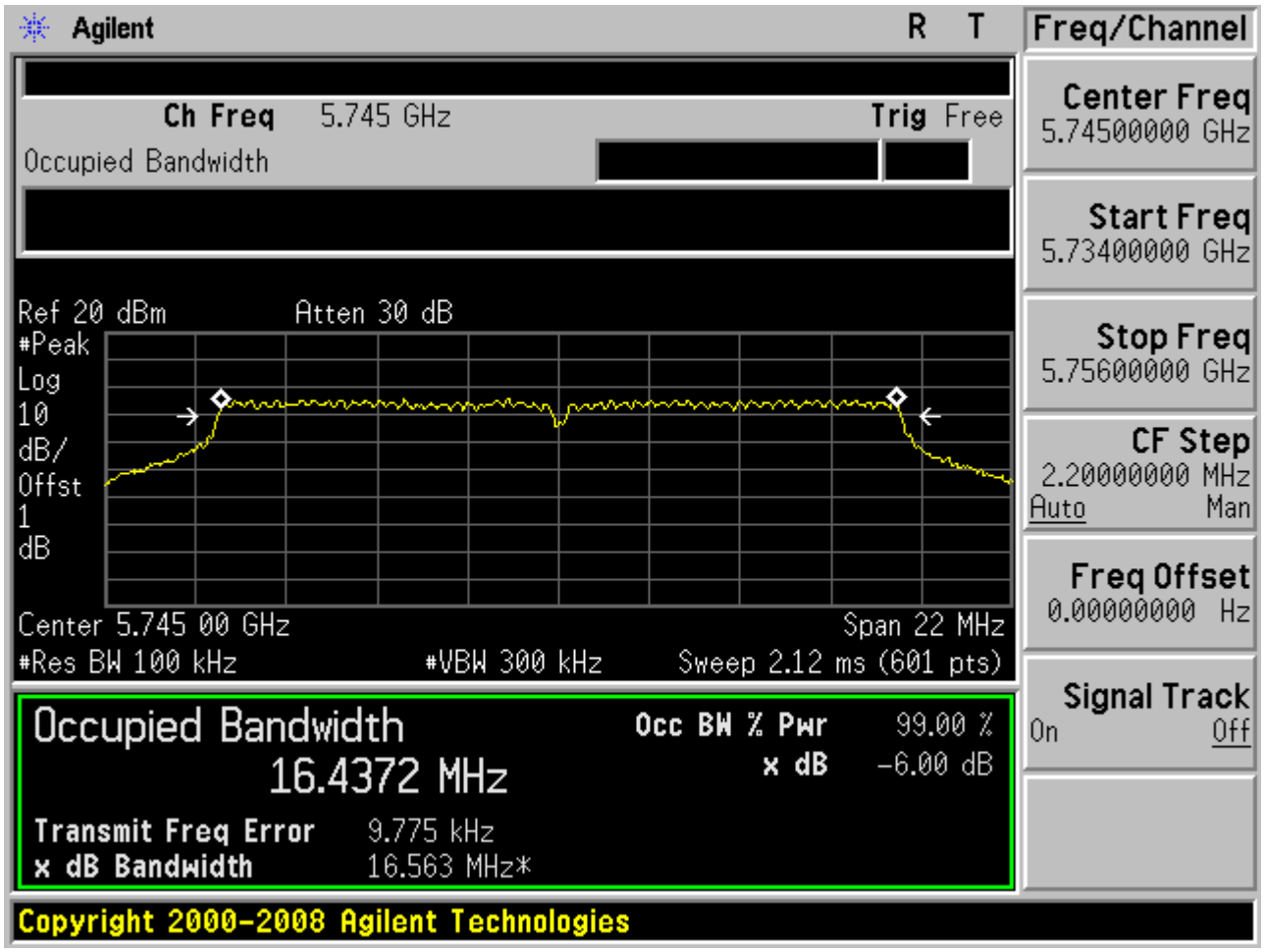
For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

1 Result Table

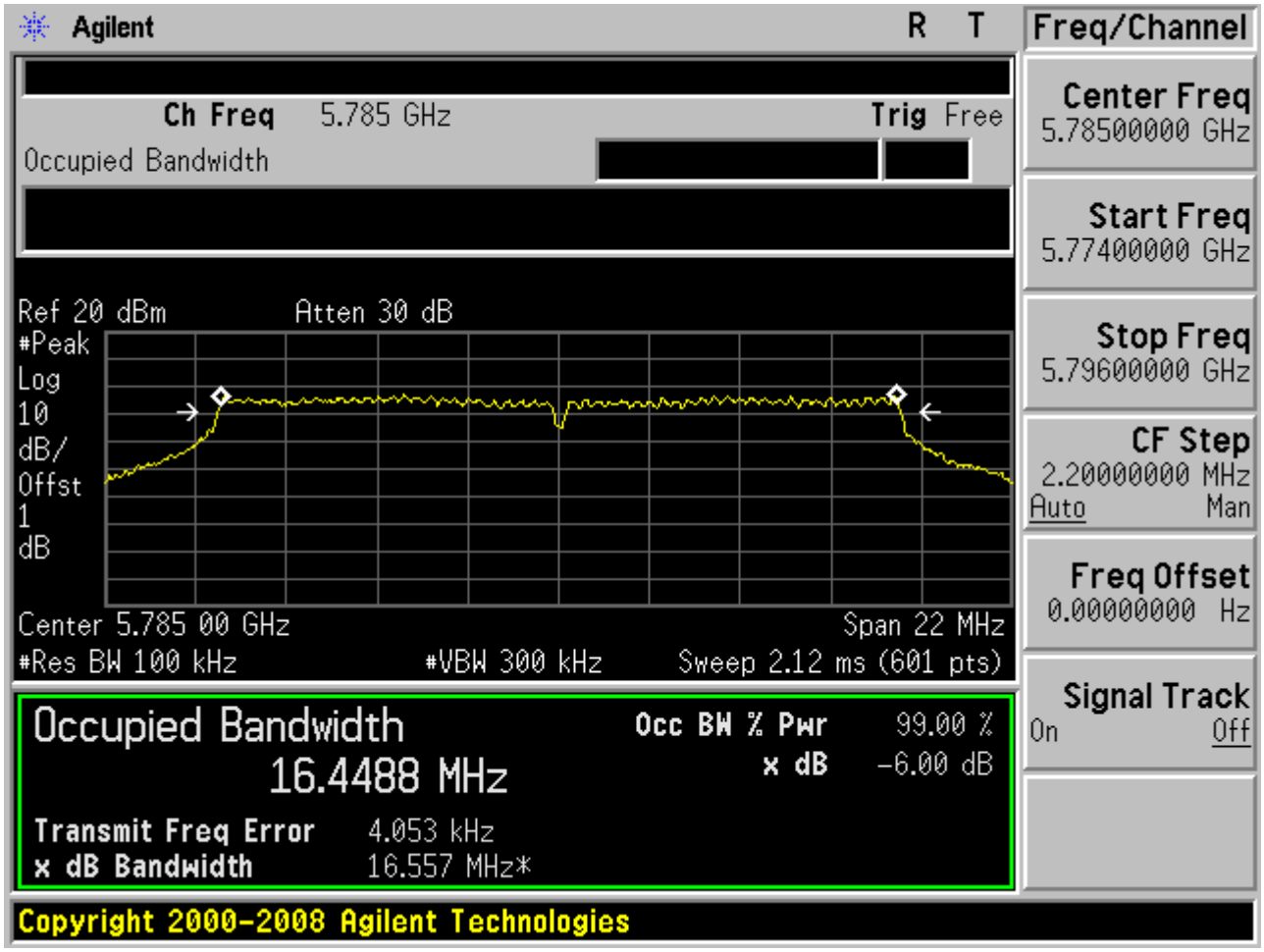
Test Mode	Test Channel	Frequency[MHz]	DTS6dBBW[MHz]	Verdict
11A	149	5745	16.56	pass
11A	157	5785	16.56	pass
11A	165	5825	16.54	pass
11N20	149	5745	17.77	pass
11N20	157	5785	17.81	pass
11N20	165	5825	17.79	pass
11N40	151	5755	36.44	pass
11N40	159	5795	36.11	pass
11AC20	149	5745	17.80	pass
11AC20	157	5785	17.80	pass
11AC20	165	5825	17.76	pass
11AC40	151	5755	36.41	pass
11AC40	159	5795	36.45	pass
11AC80	155	5775	75.69	pass

2 Test Plot

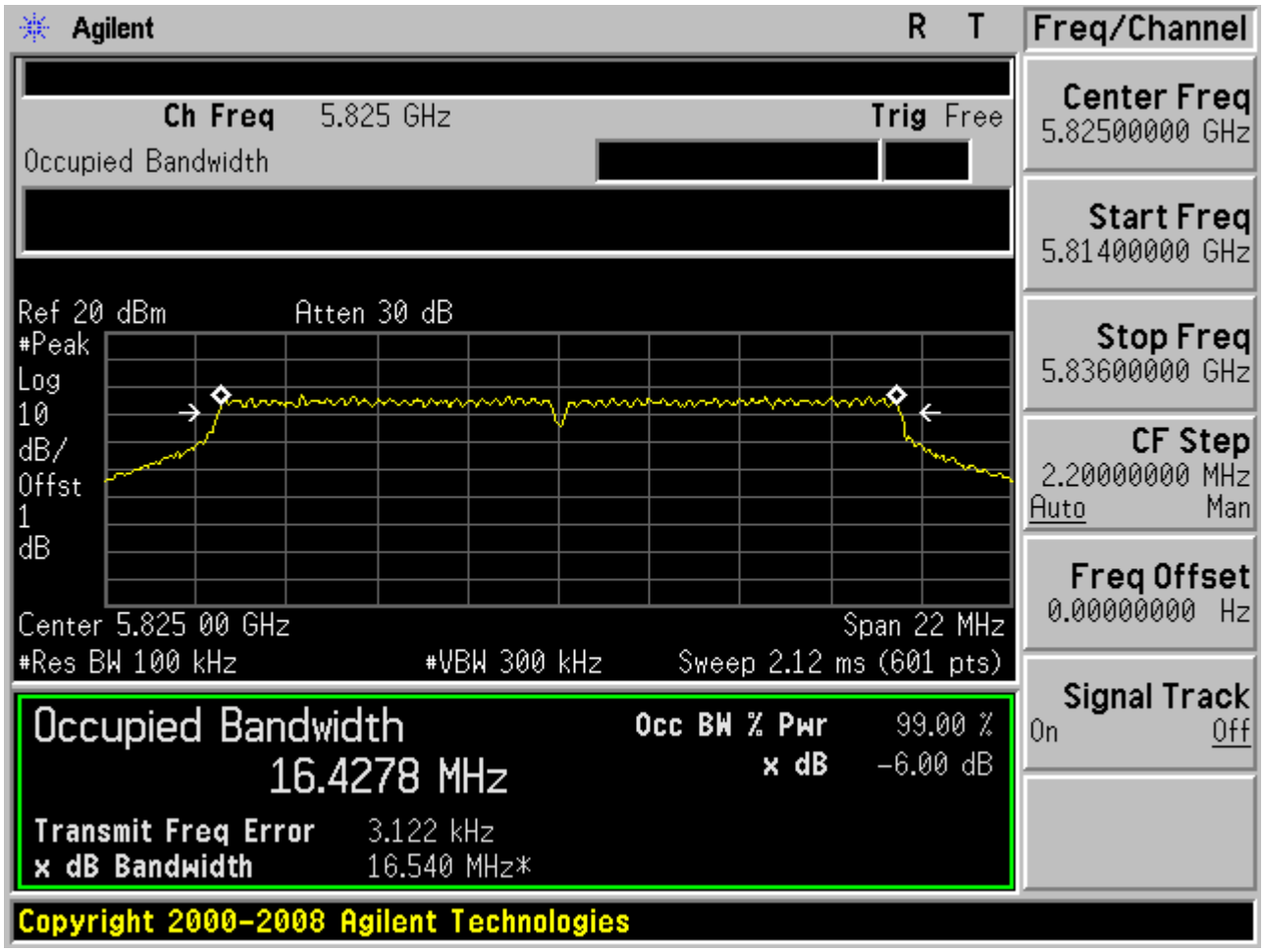
2.1 11A_149



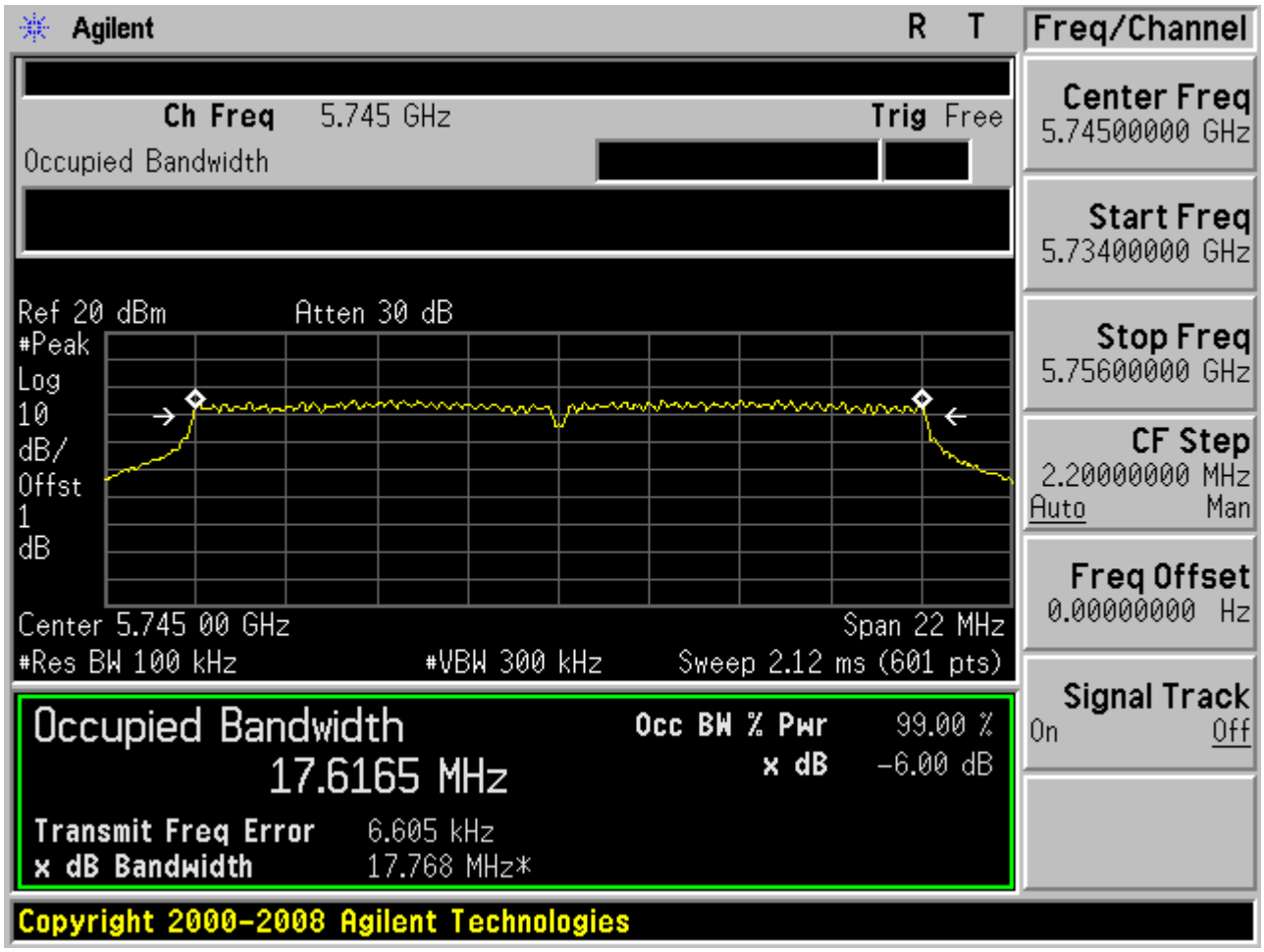
2.2 11A_157



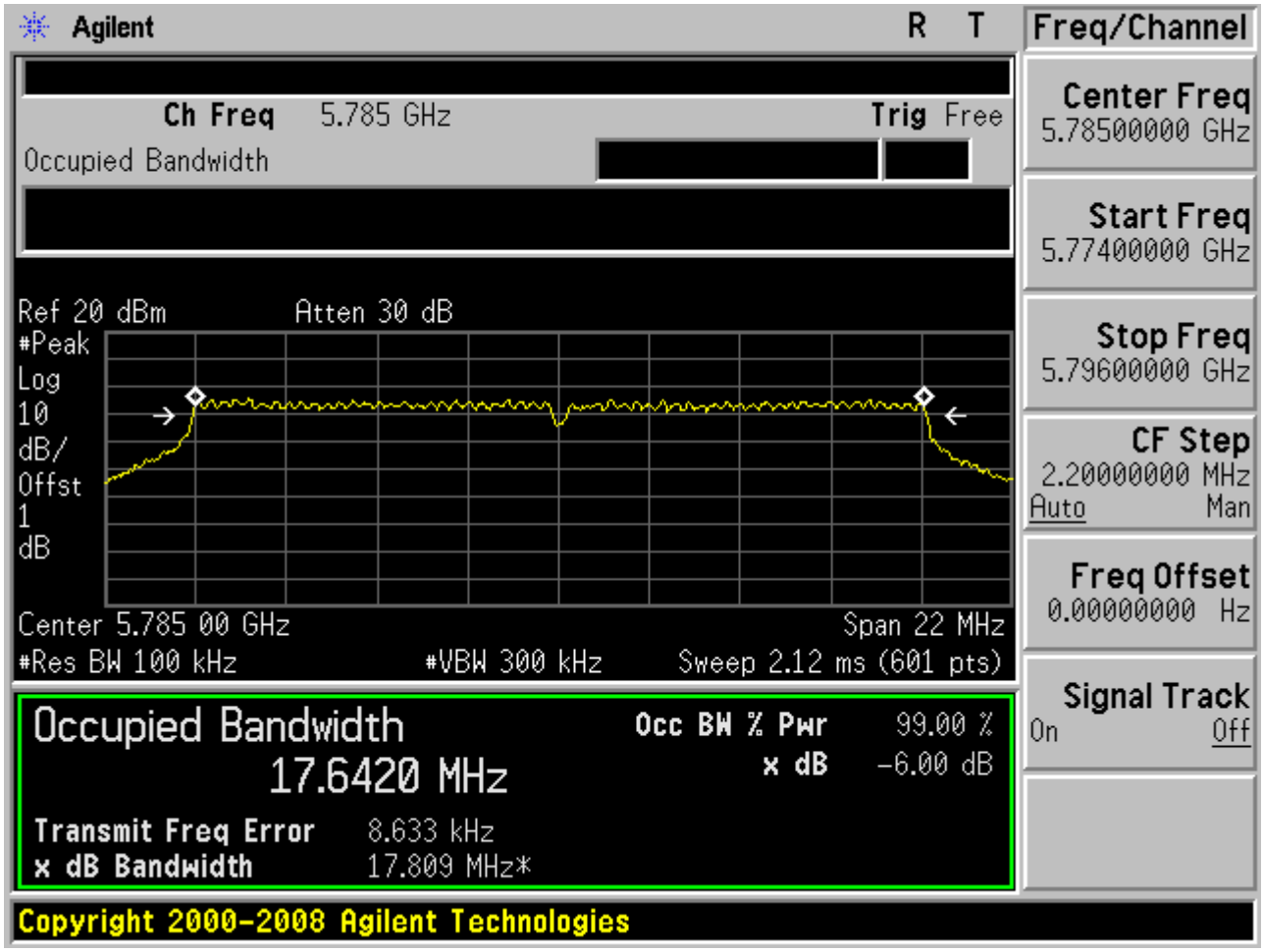
2.3 11A_165



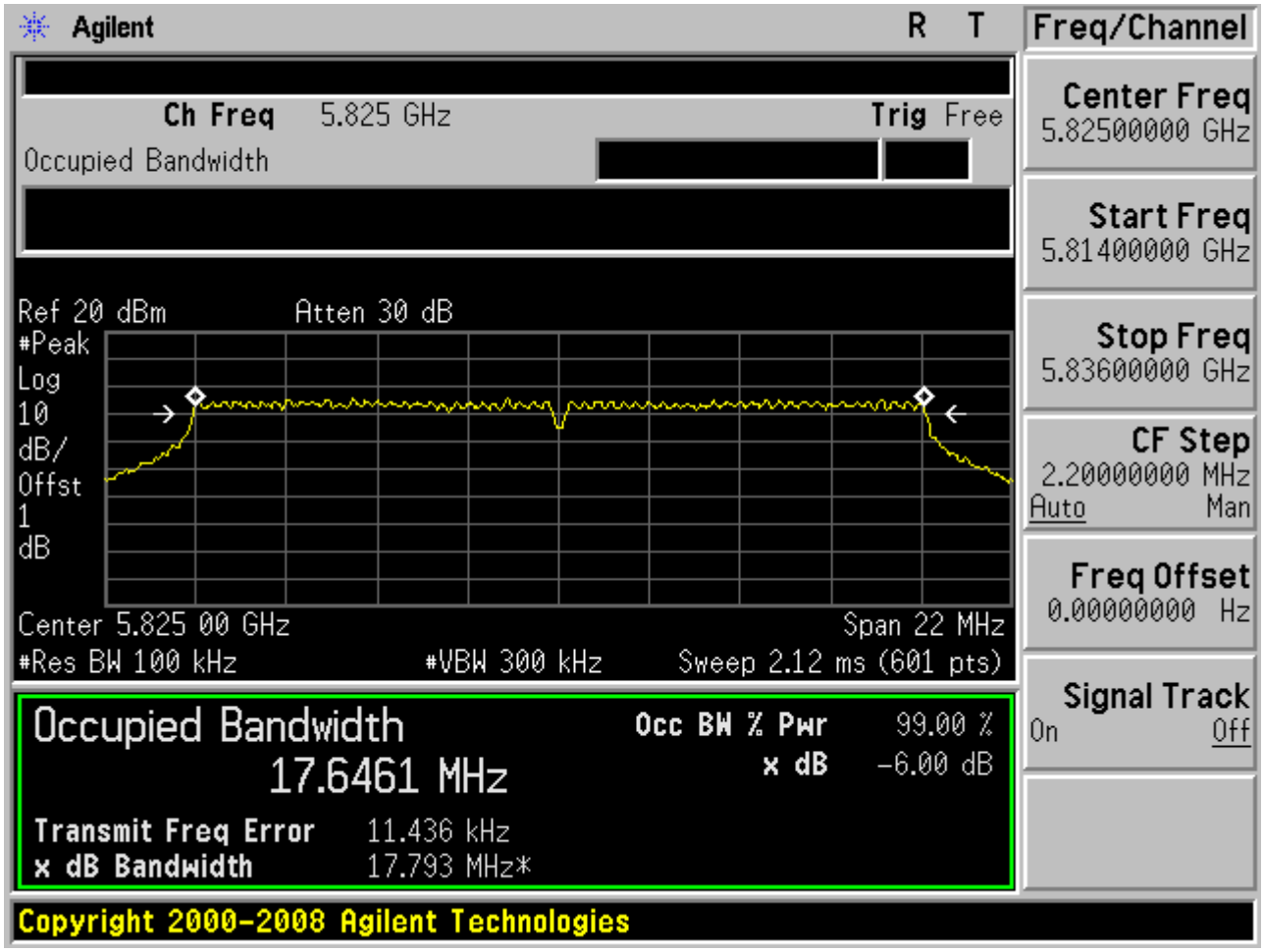
2.4 11N20_149



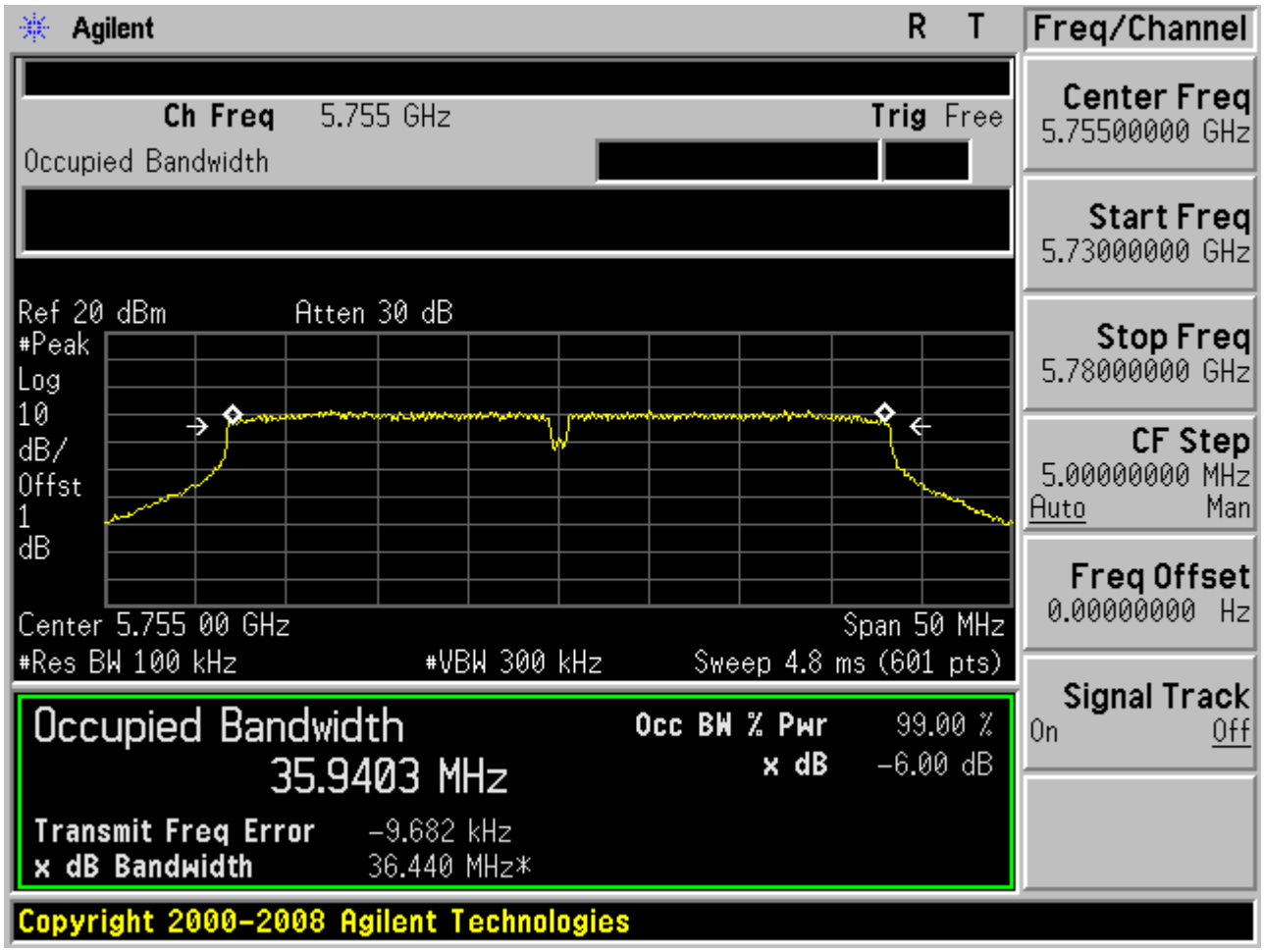
2.5 11N20_157



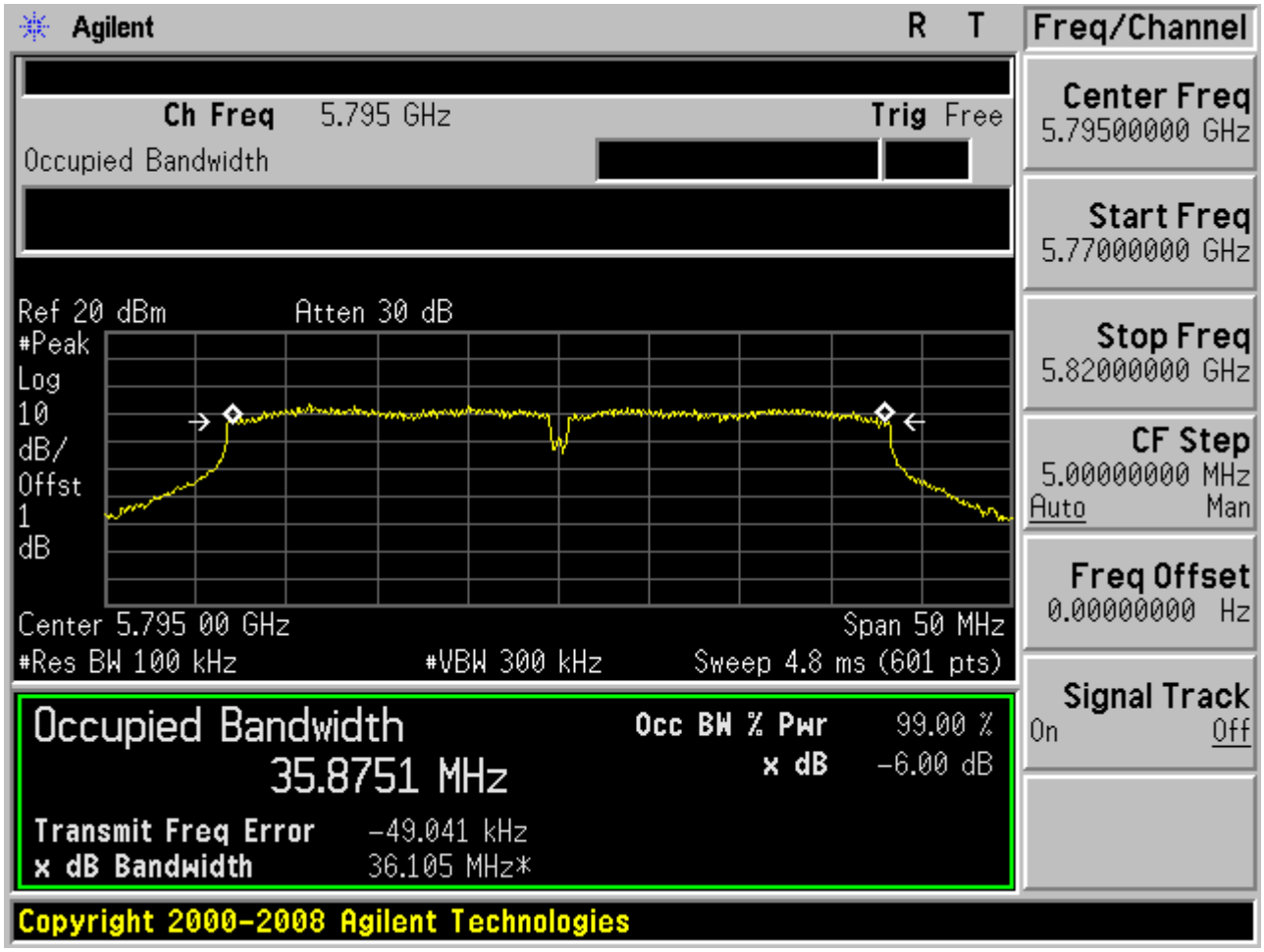
2.6 11N20_165



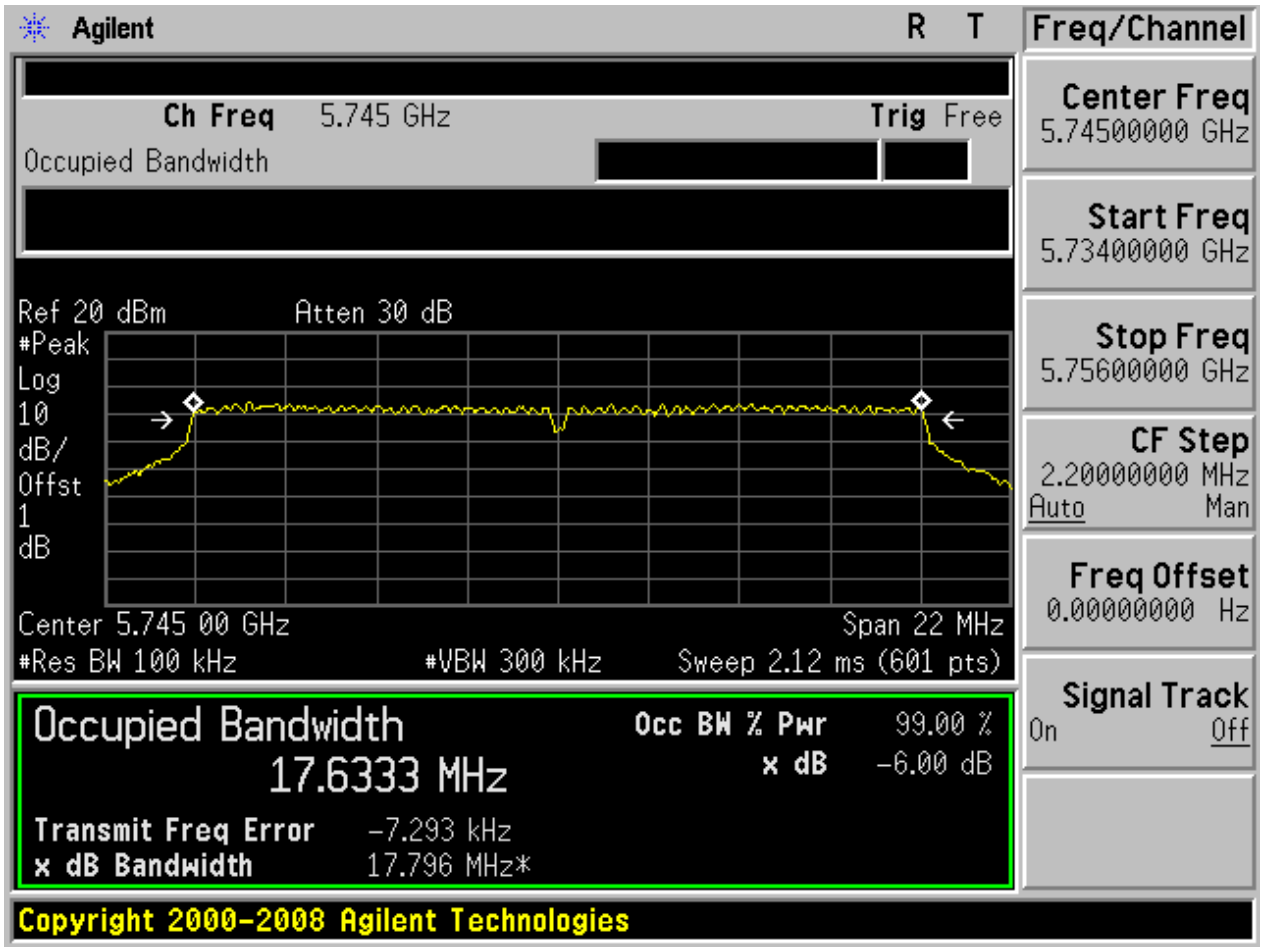
2.7 11N40_151



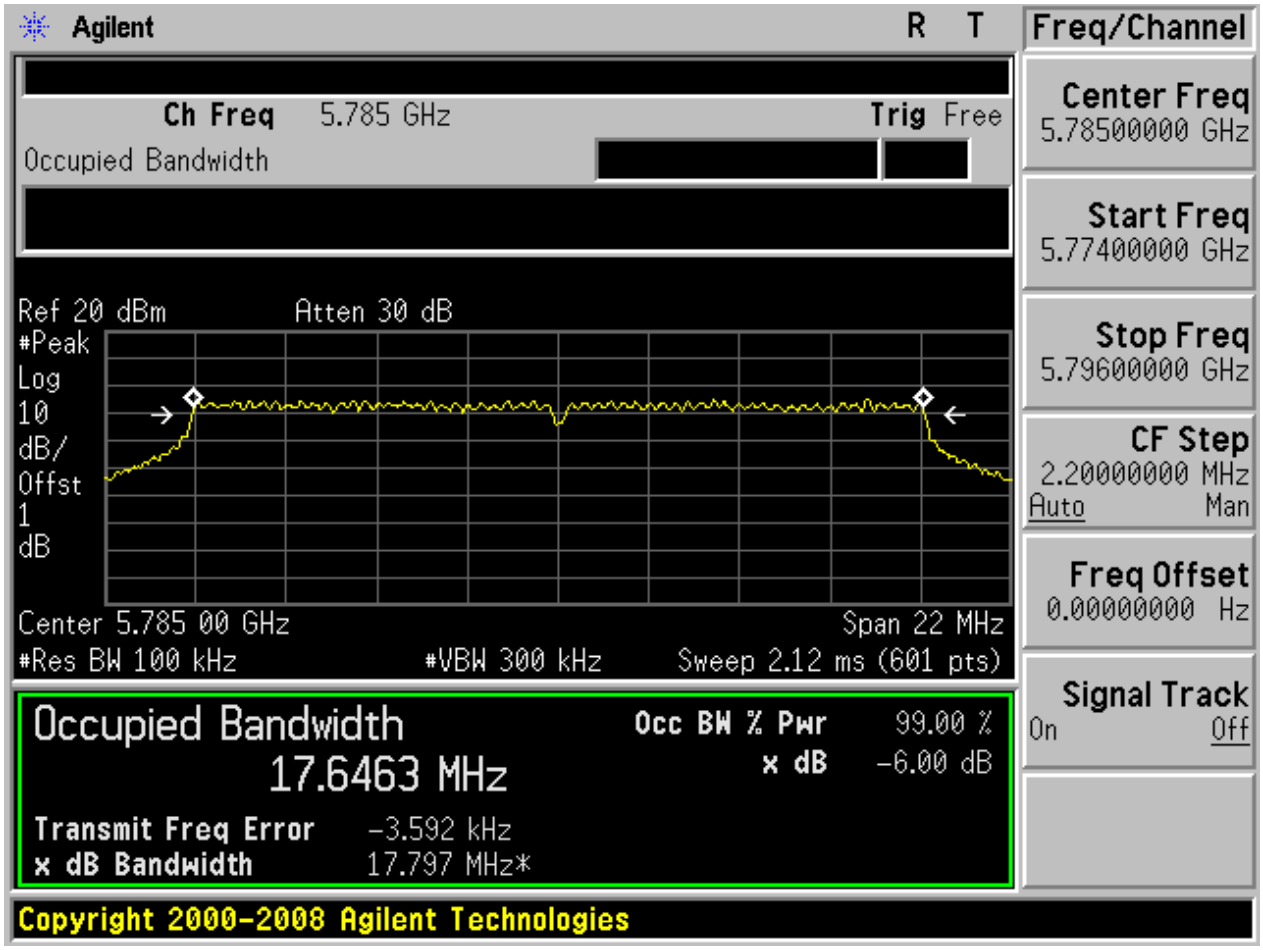
2.8 11N40_159



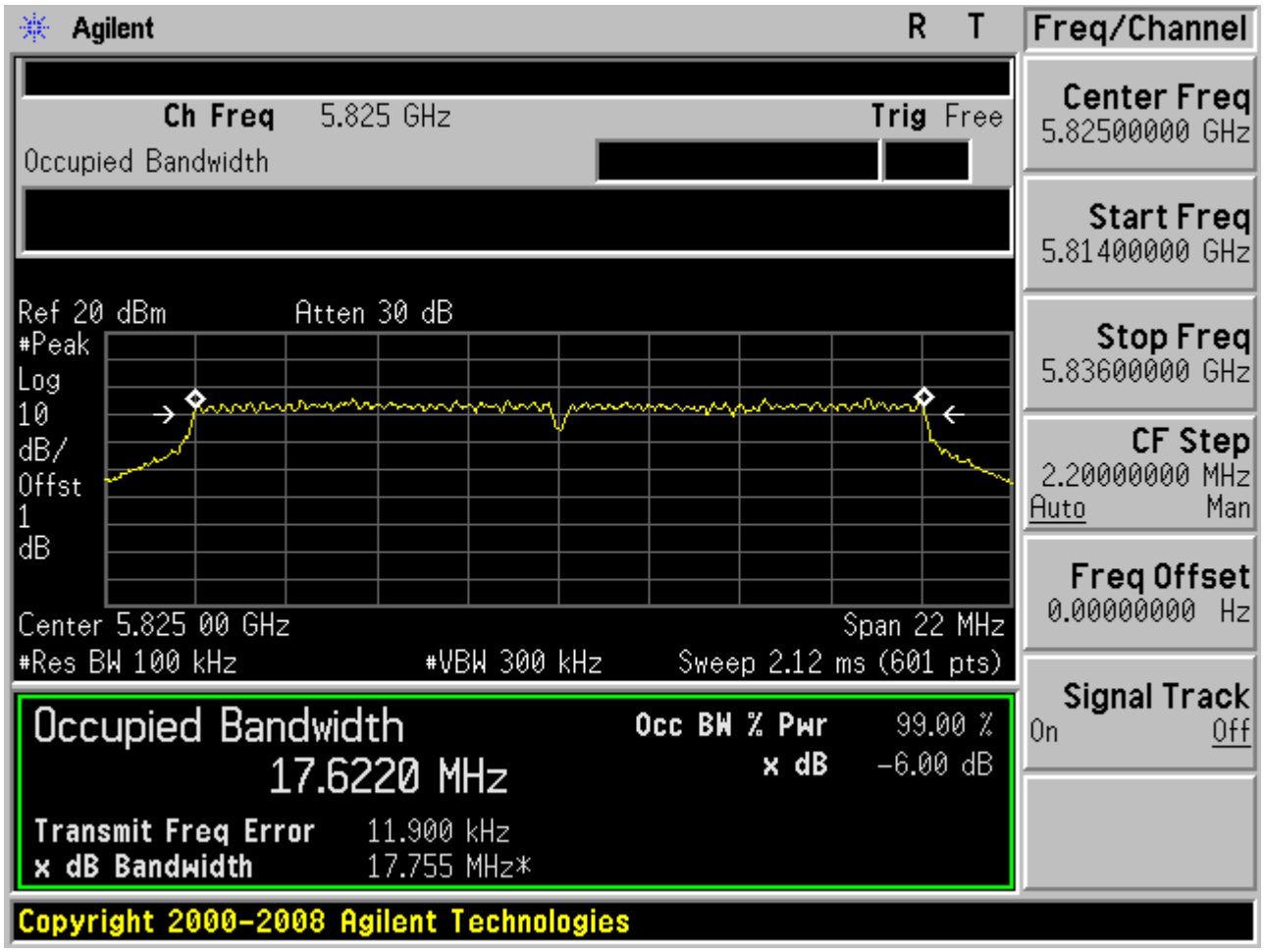
2.9 11AC20_149



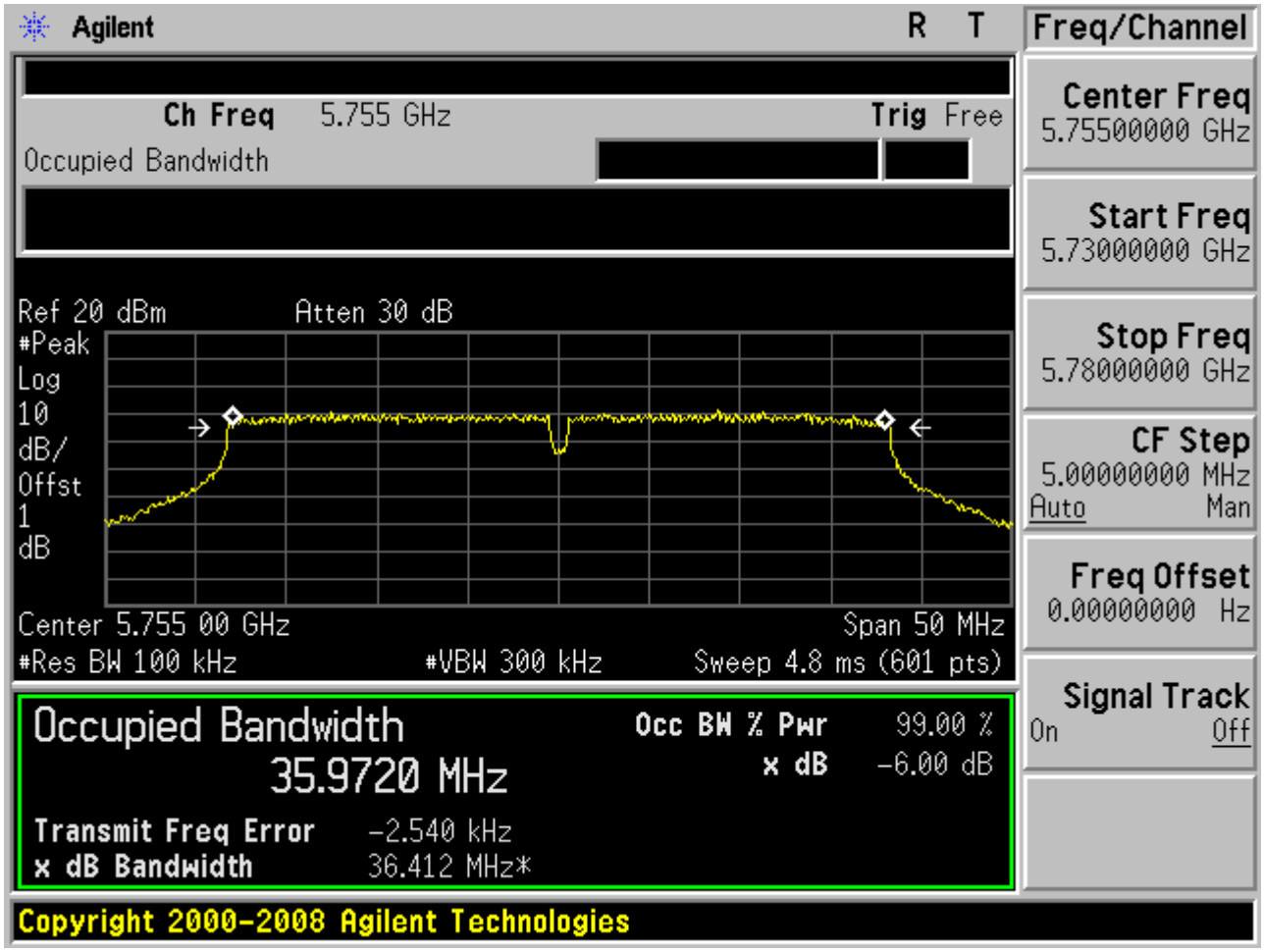
2.1011AC20_157



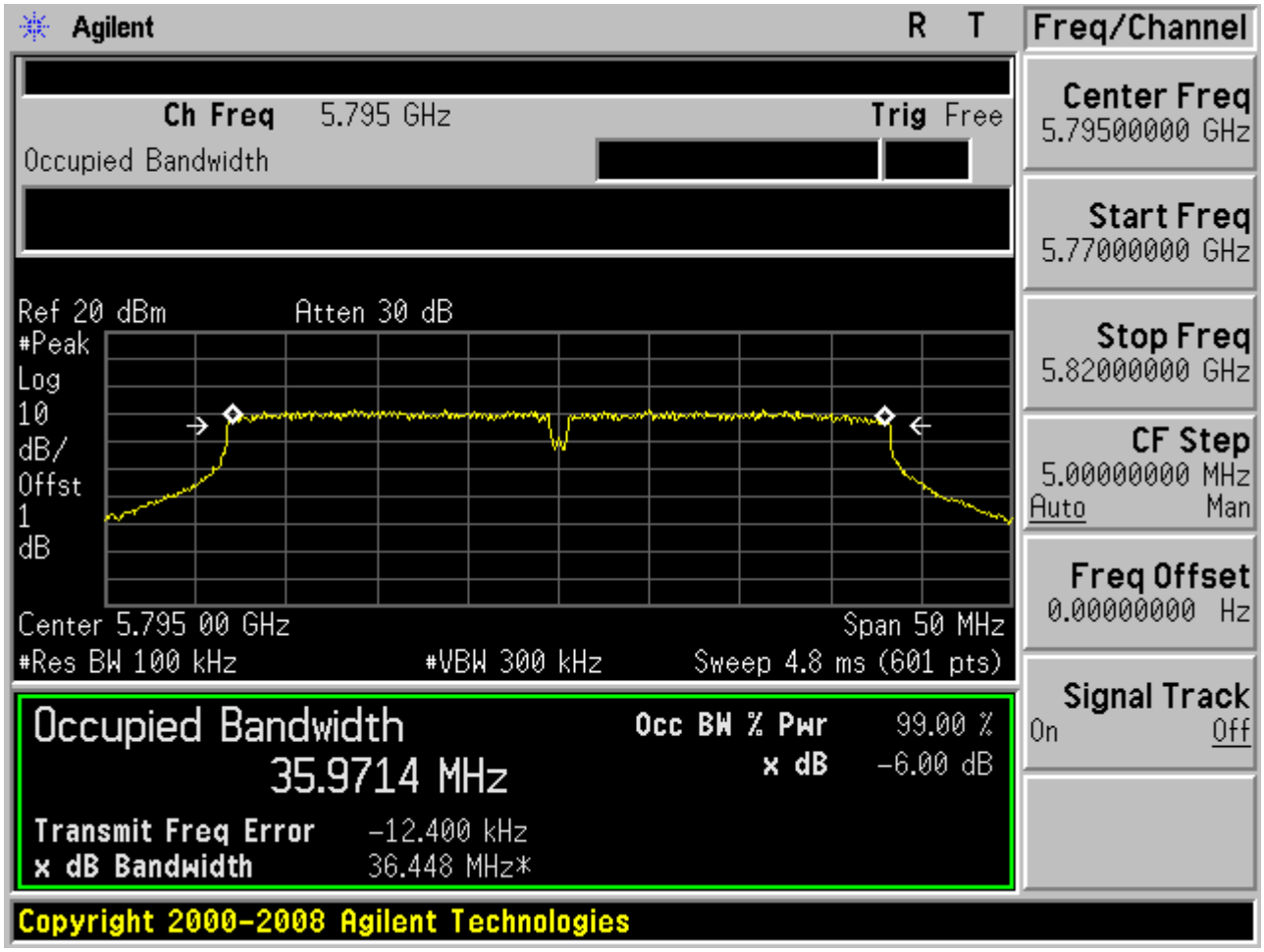
2.1111AC20_165



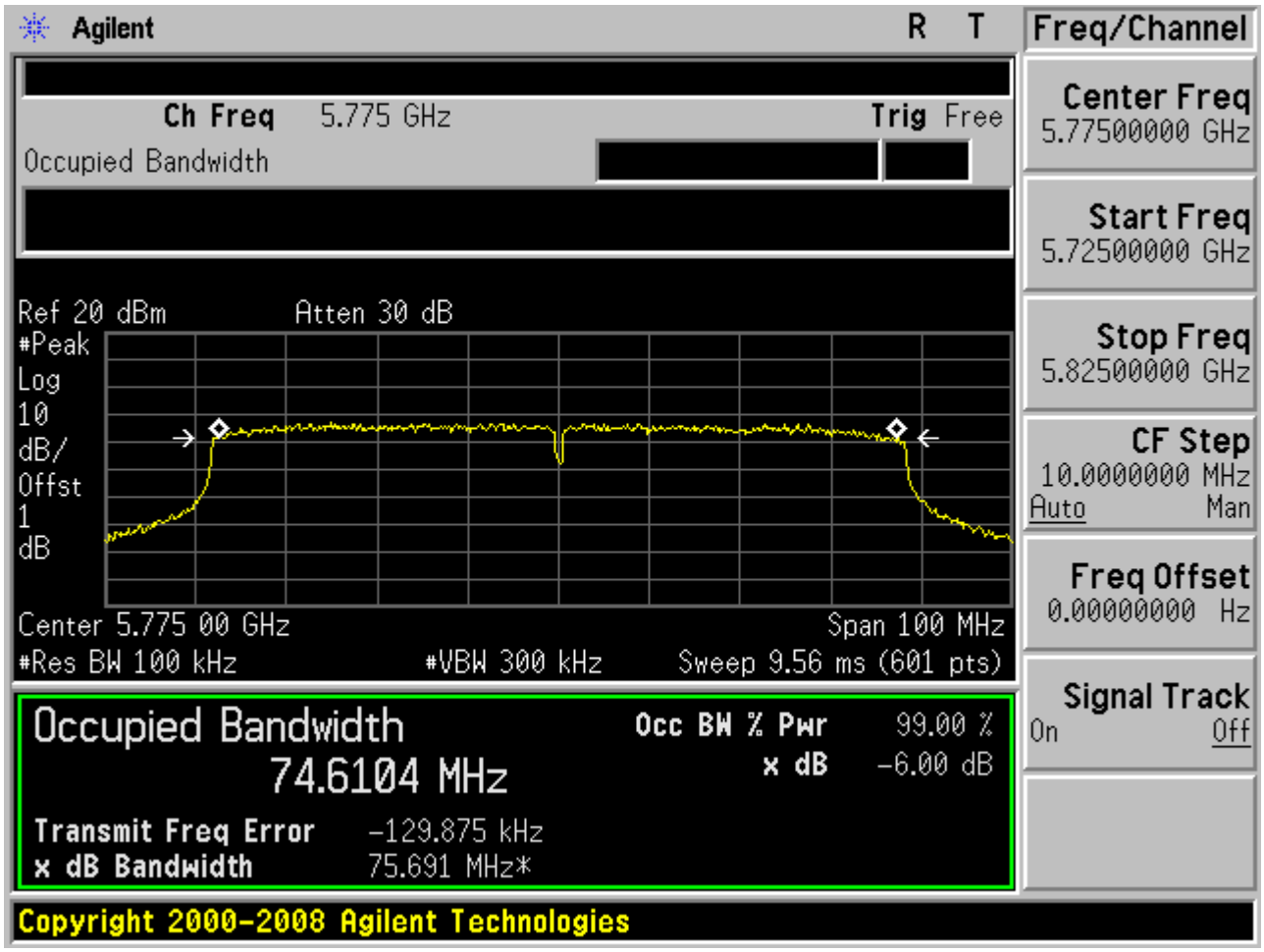
2.1211AC40_151



2.1311AC40_159



2.1411AC80_155



Appendix B: Maximum Peak Conducted Output Power

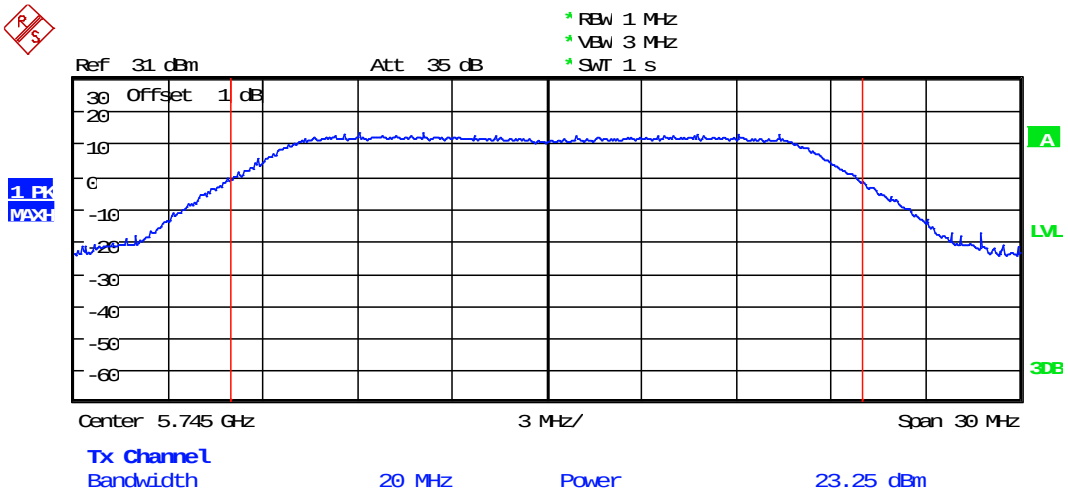
In this Appendix, the “Pmax” refers to the measured “Maximum Peak Conducted Output Power” value. The “fc(DTS6dBBW)” and “DTS6dBBW” in “DTS (6 dB) Bandwidth” are used to determine the integrated band power.

1 Result Table

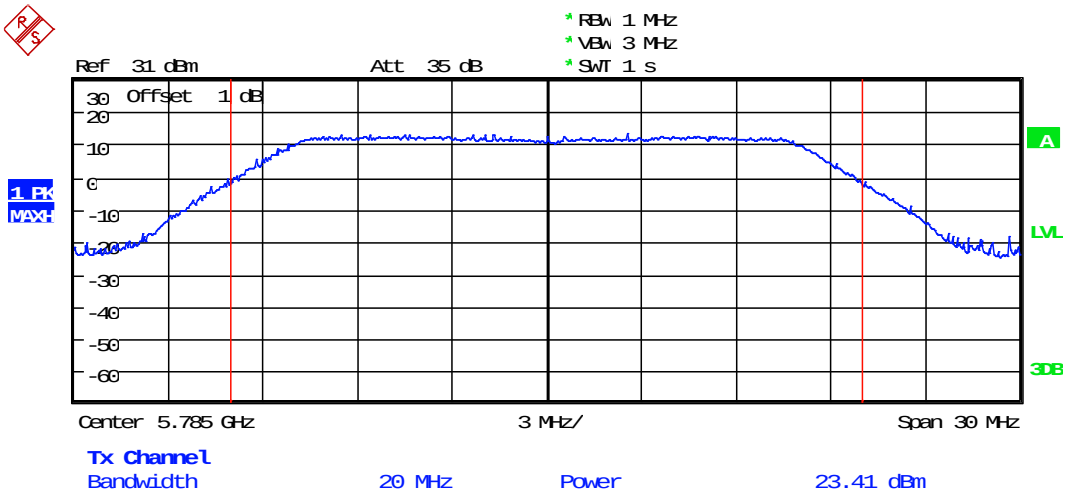
Test Mode	Test Channel	Frequency[MHz]	Meas. Level (Cond.) [dBm]	Verdict
11A	149	5745	23.25	pass
11A	157	5785	23.41	pass
11A	165	5825	23.77	pass
11N20	149	5745	22.99	pass
11N20	157	5785	23.24	pass
11N20	165	5825	23.58	pass
11N40	151	5755	21.90	pass
11N40	159	5795	22.64	pass
11AC20	149	5745	21.17	pass
11AC20	157	5785	21.73	pass
11AC20	165	5825	22.26	pass
11AC40	151	5755	20.59	pass
11AC40	159	5795	21.47	pass
11AC80	155	5775	20.07	pass

2 Test Plot

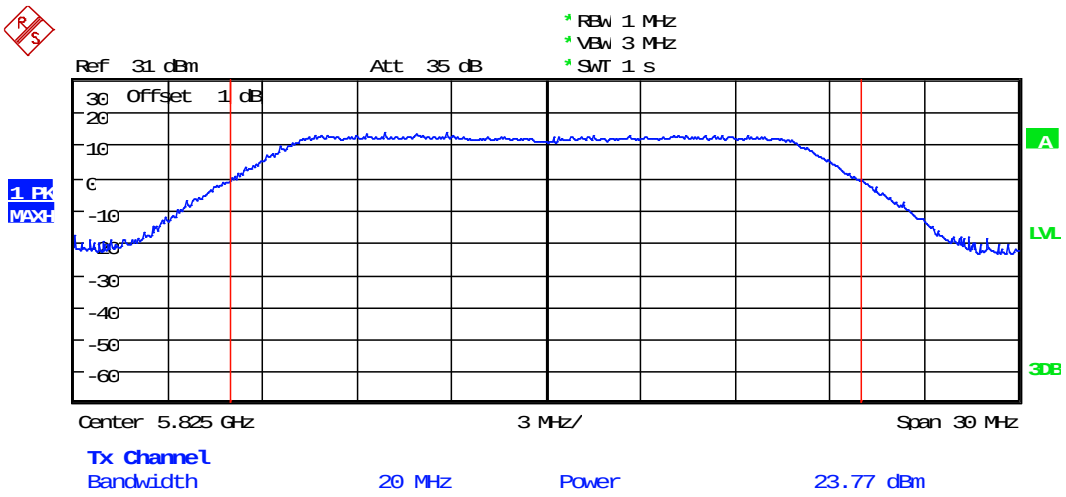
2.1 11A_149



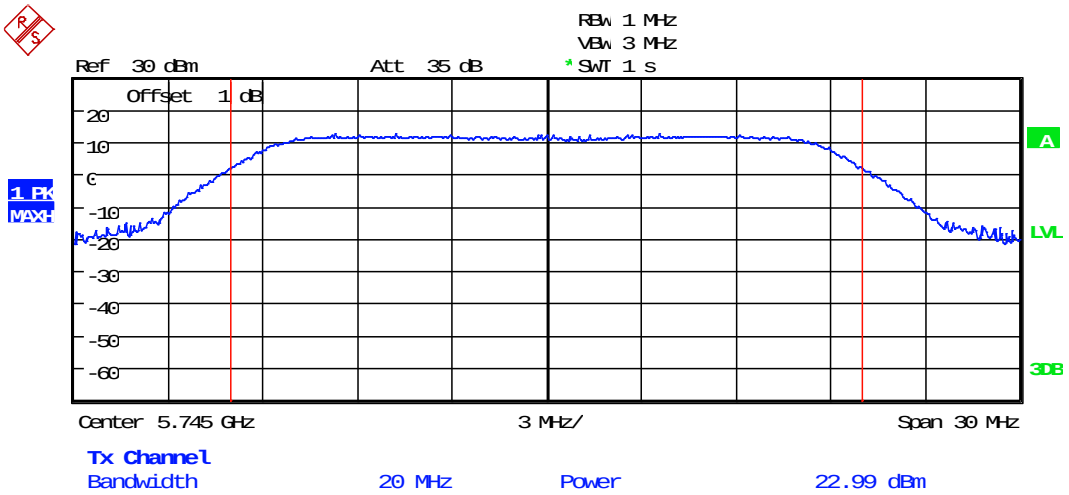
2.2 11A_157



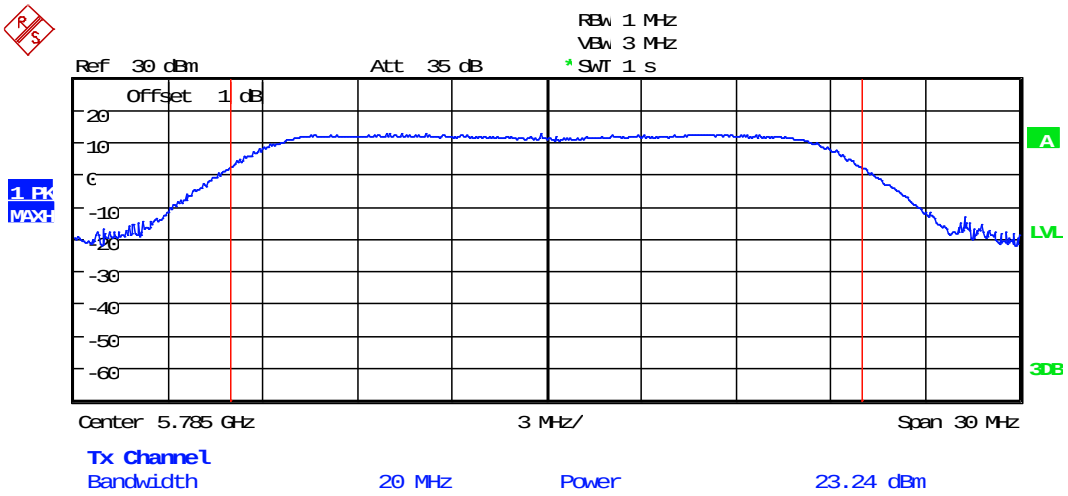
2.3 11A_165



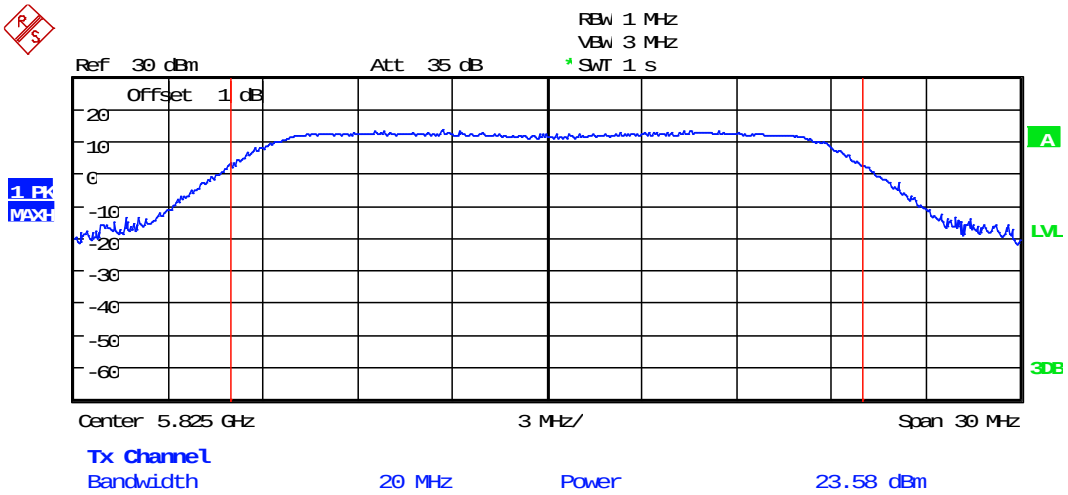
2.4 11N20_149



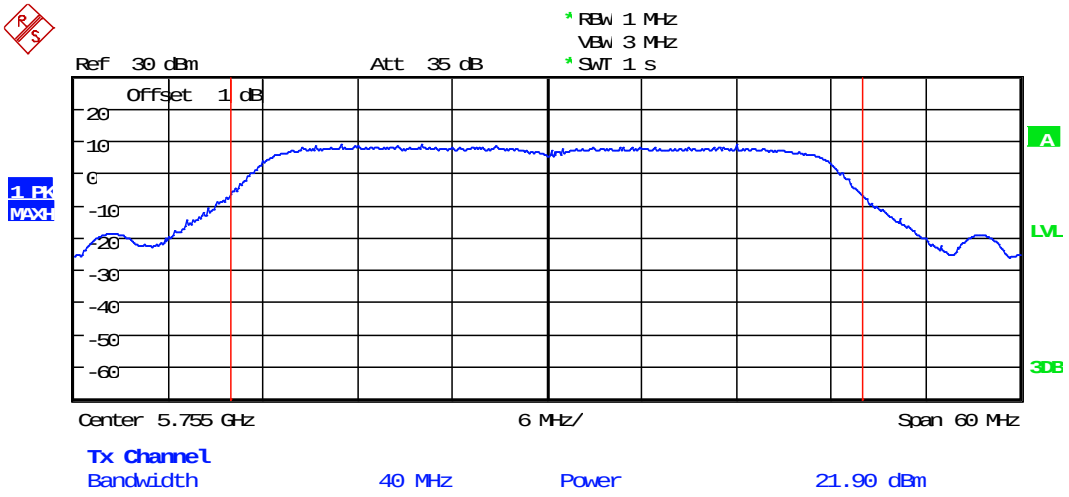
2.5 11N20_157



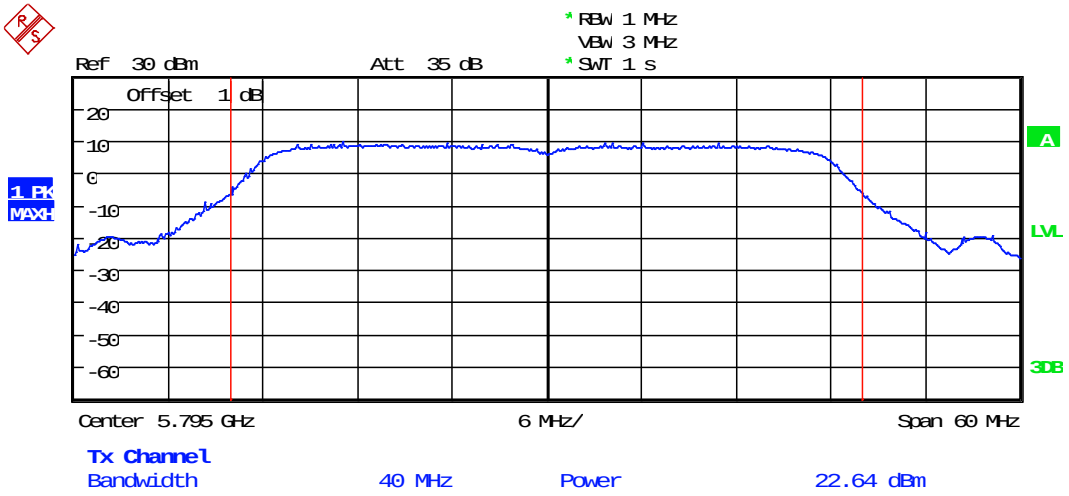
2.6 11N20_165



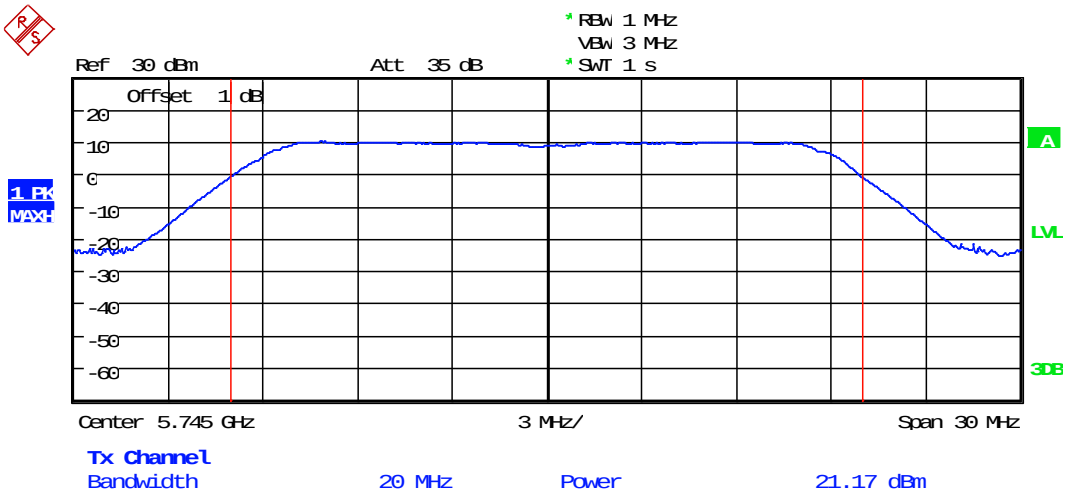
2.7 11N40_151



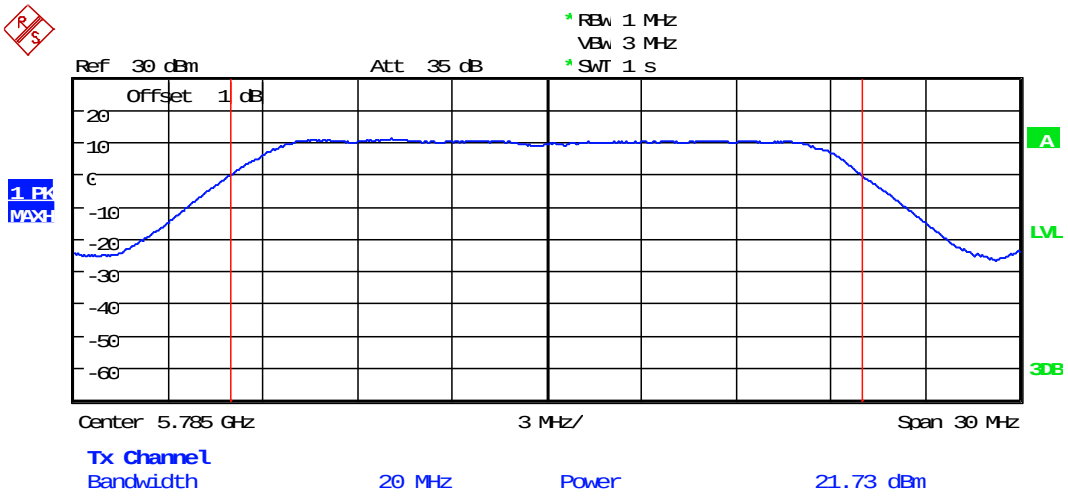
2.8 11N40_159



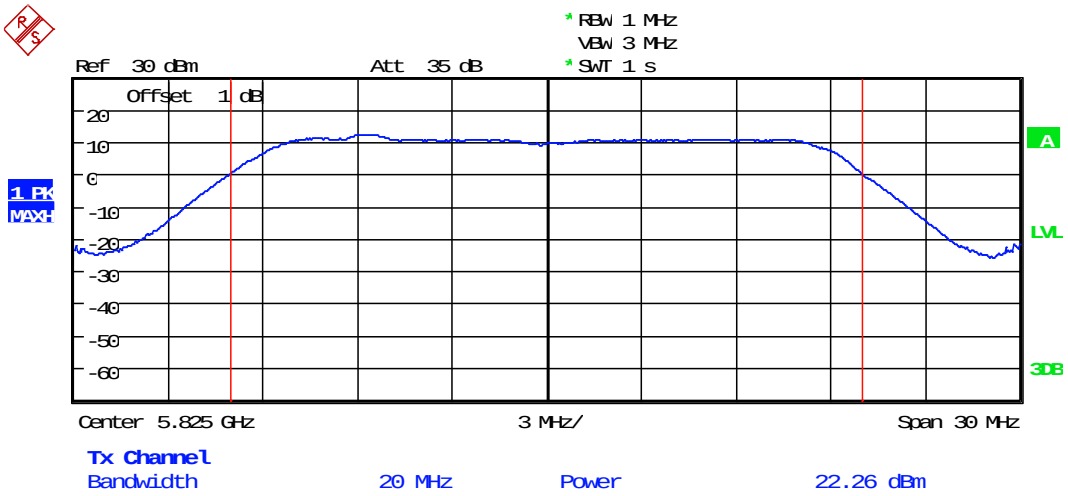
2.9 11AC20_149



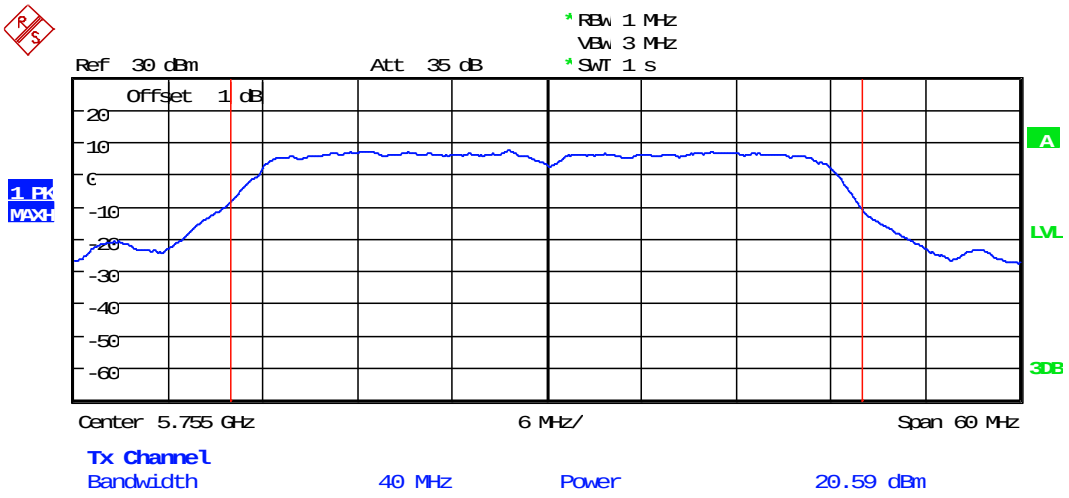
2.1011AC20_157



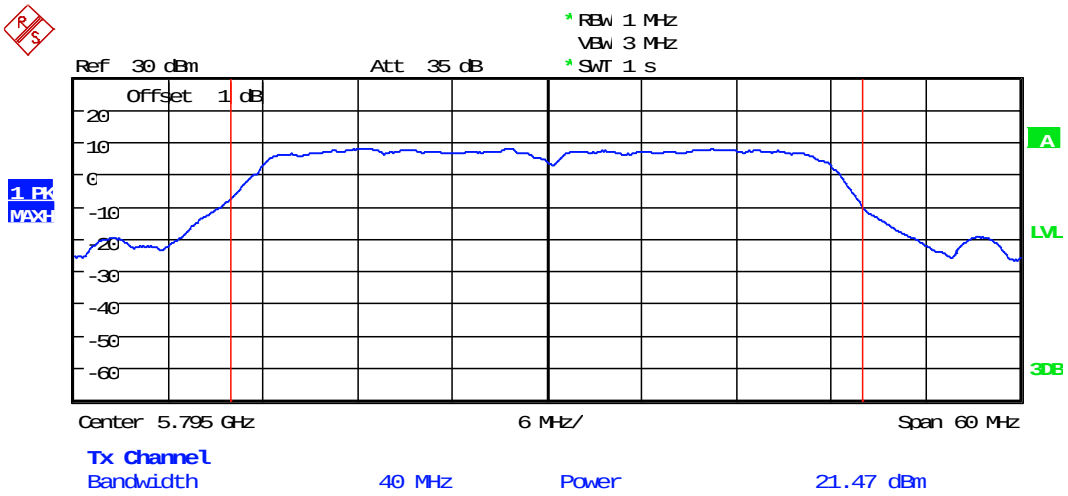
2.1111AC20_165



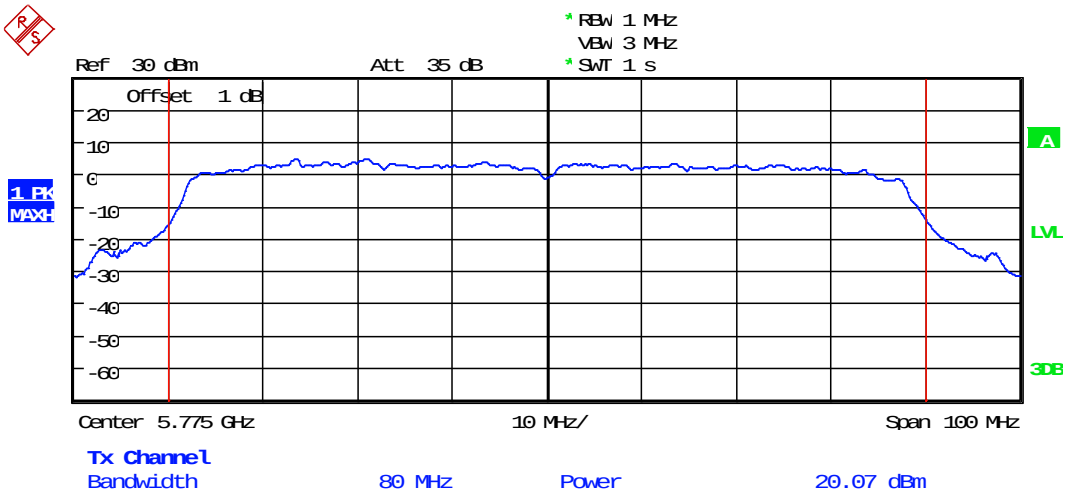
2.1211AC40_151



2.1311AC40_159



2.1411AC80_155



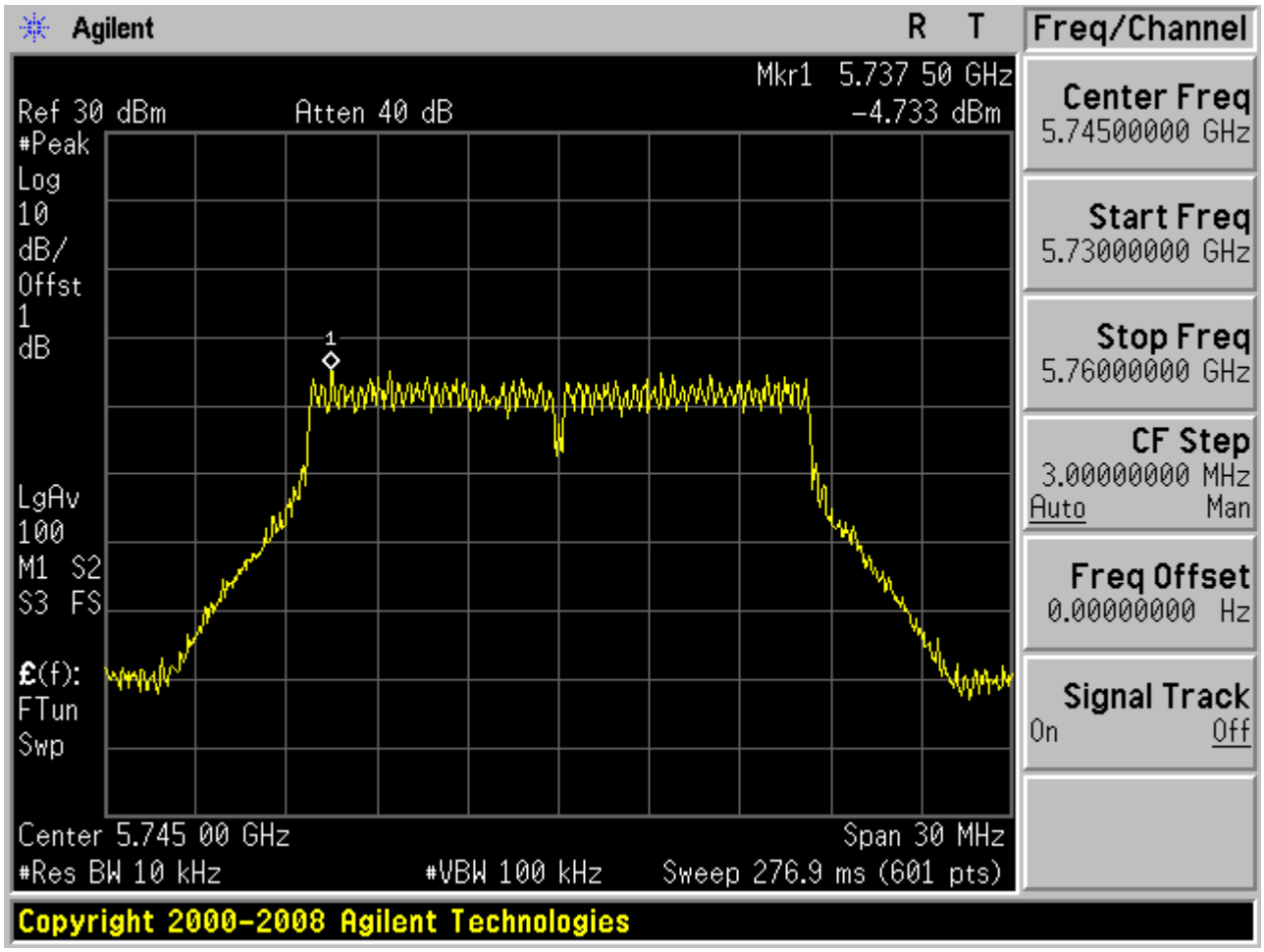
Appendix C: Maximum Power Spectral Density Level

1 Result Table

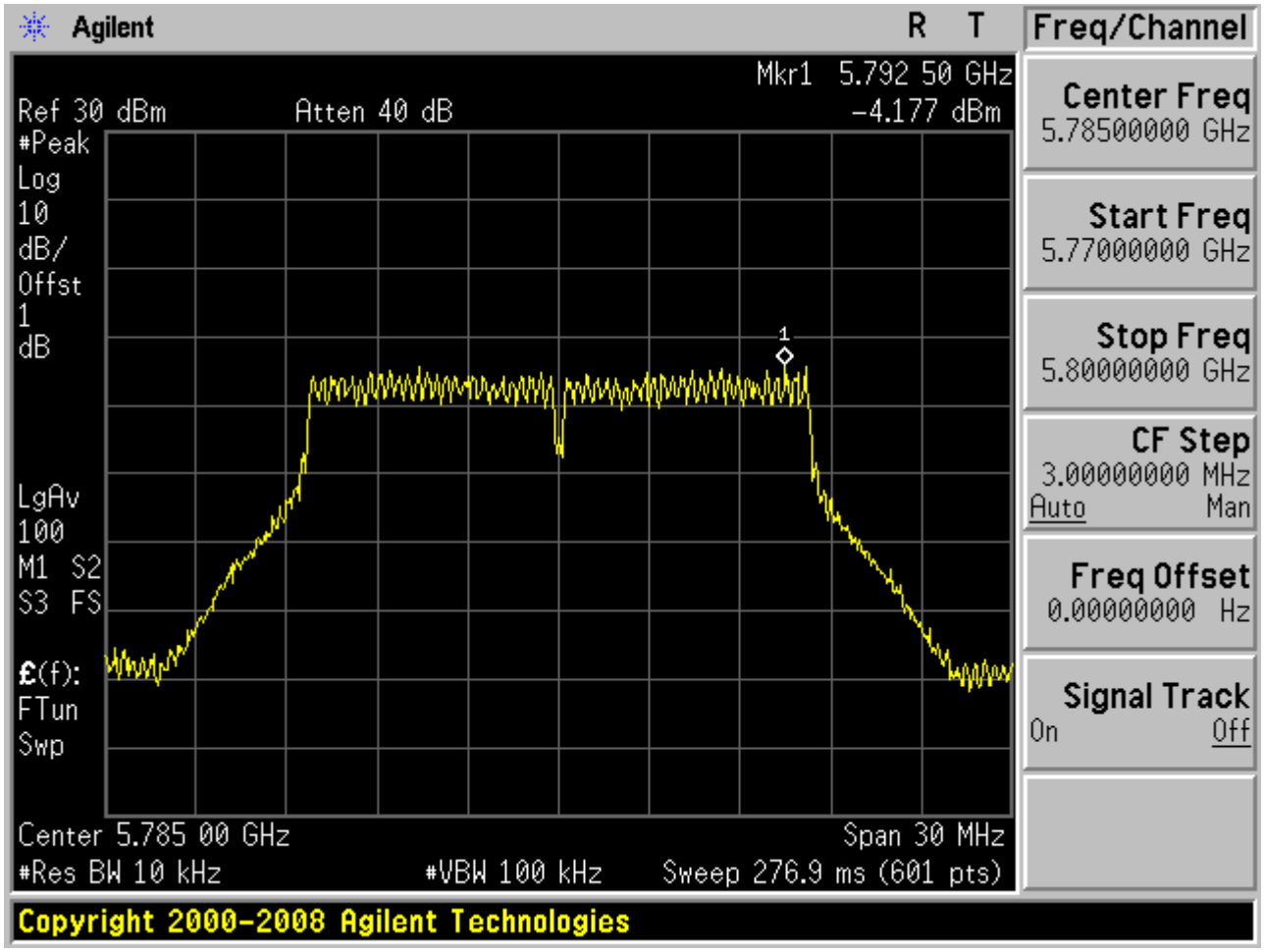
Test Mode	Test Channel	Frequency[MHz]	Meas. Level (Cond.) [dBm]	Verdict
11A	149	5745	-4.73	pass
11A	157	5785	-4.18	pass
11A	165	5825	-2.79	pass
11N20	149	5745	-5.53	pass
11N20	157	5785	-4.41	pass
11N20	165	5825	-5.94	pass
11N40	151	5755	-8.22	pass
11N40	159	5795	-7.56	pass
11AC20	149	5745	-6.40	pass
11AC20	157	5785	-5.58	pass
11AC20	165	5825	-5.34	pass
11AC40	151	5755	-10.40	pass
11AC40	159	5795	-9.49	pass
11AC80	155	5775	-13.42	pass

2 Test Plot

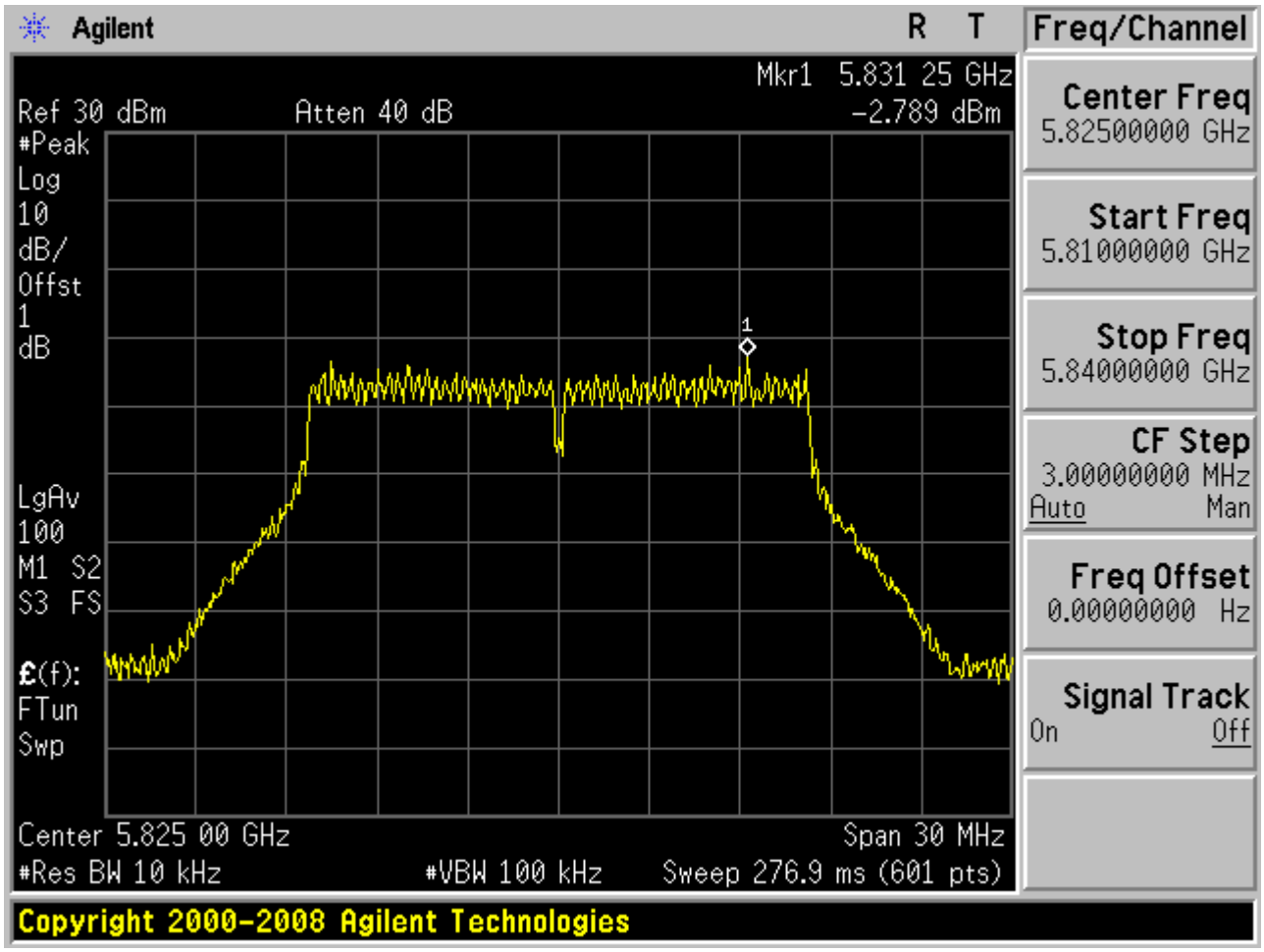
2.1511A_149



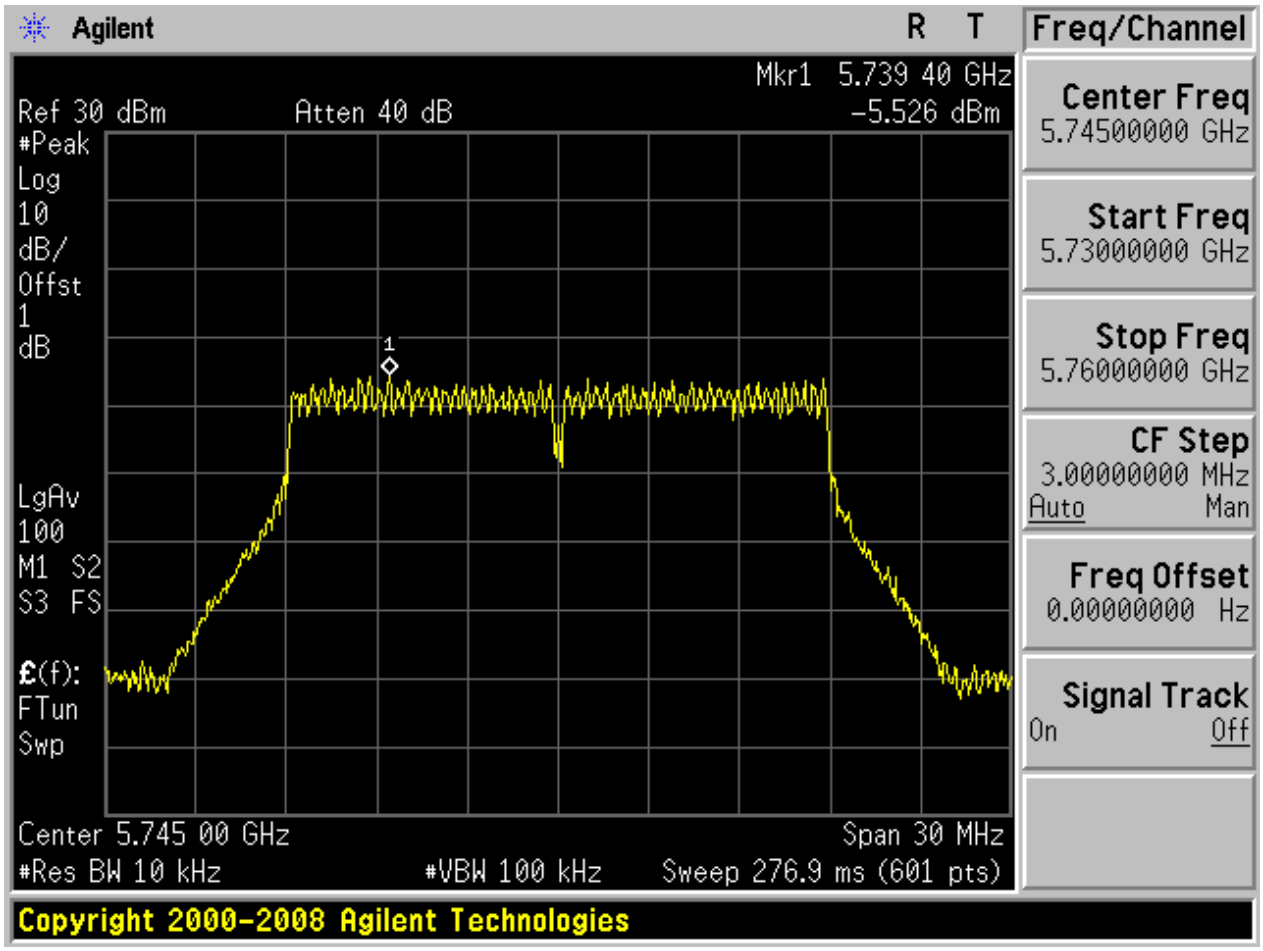
2.1611A_157



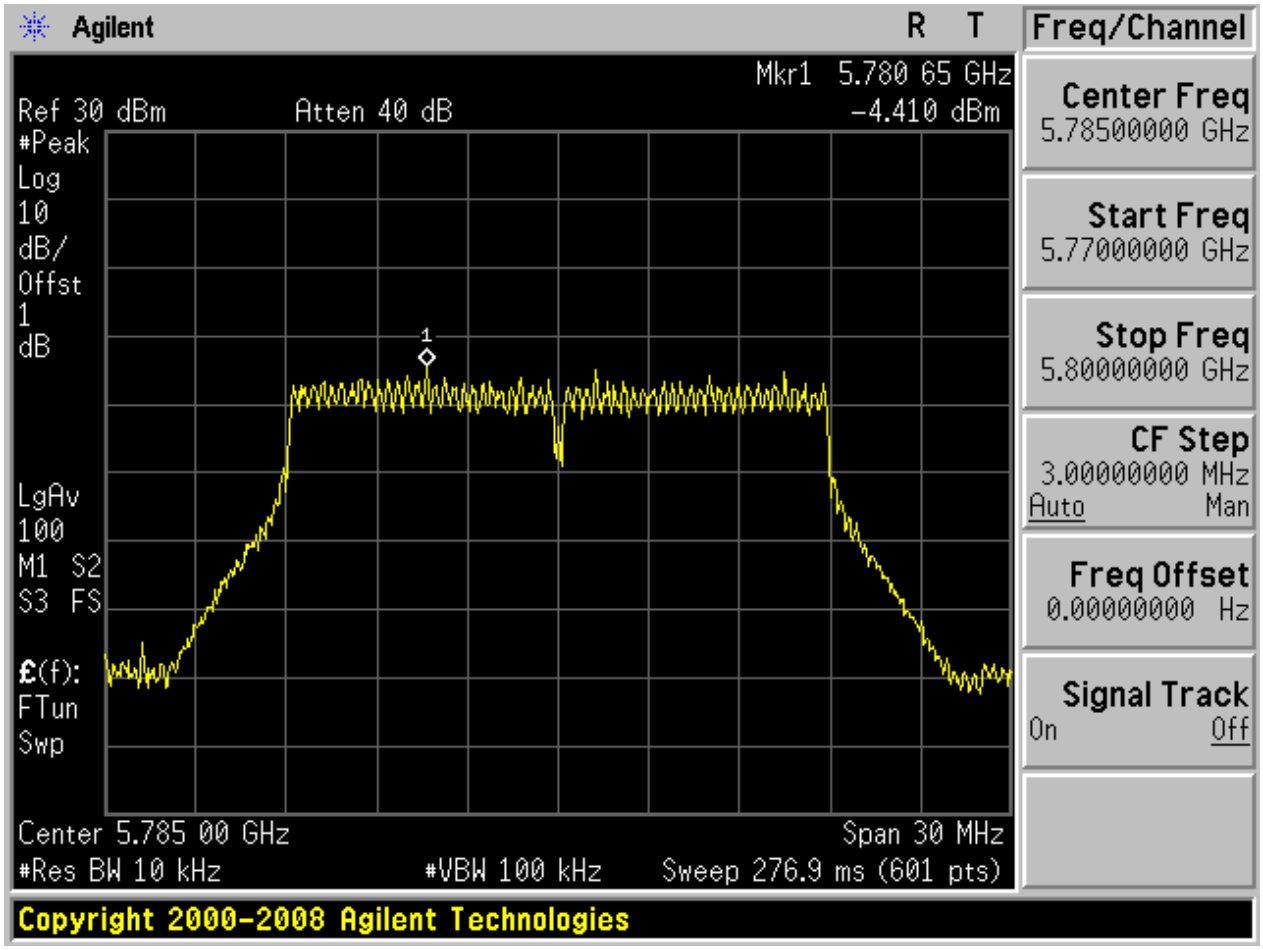
2.1711A_165



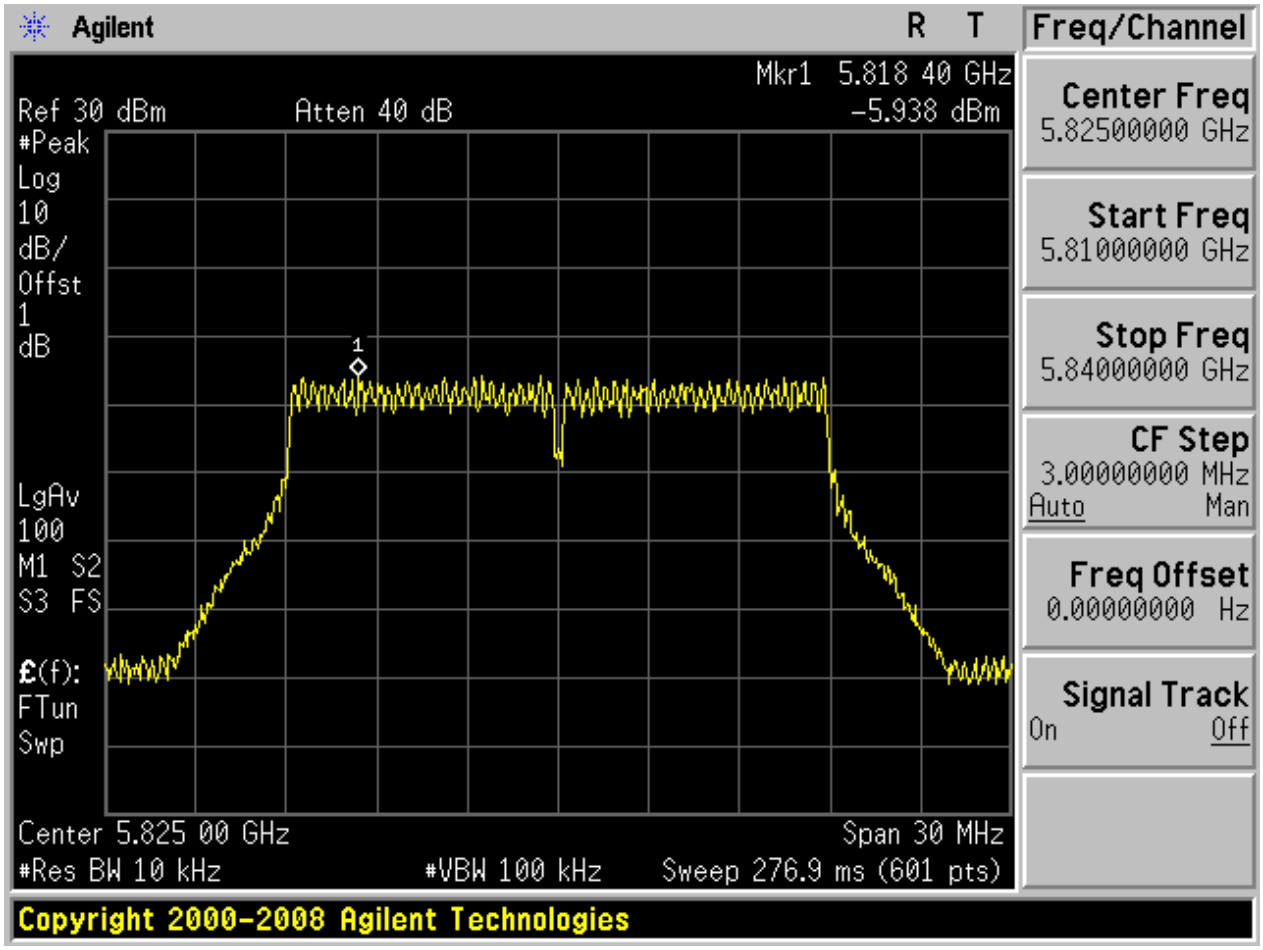
2.1811N20_149



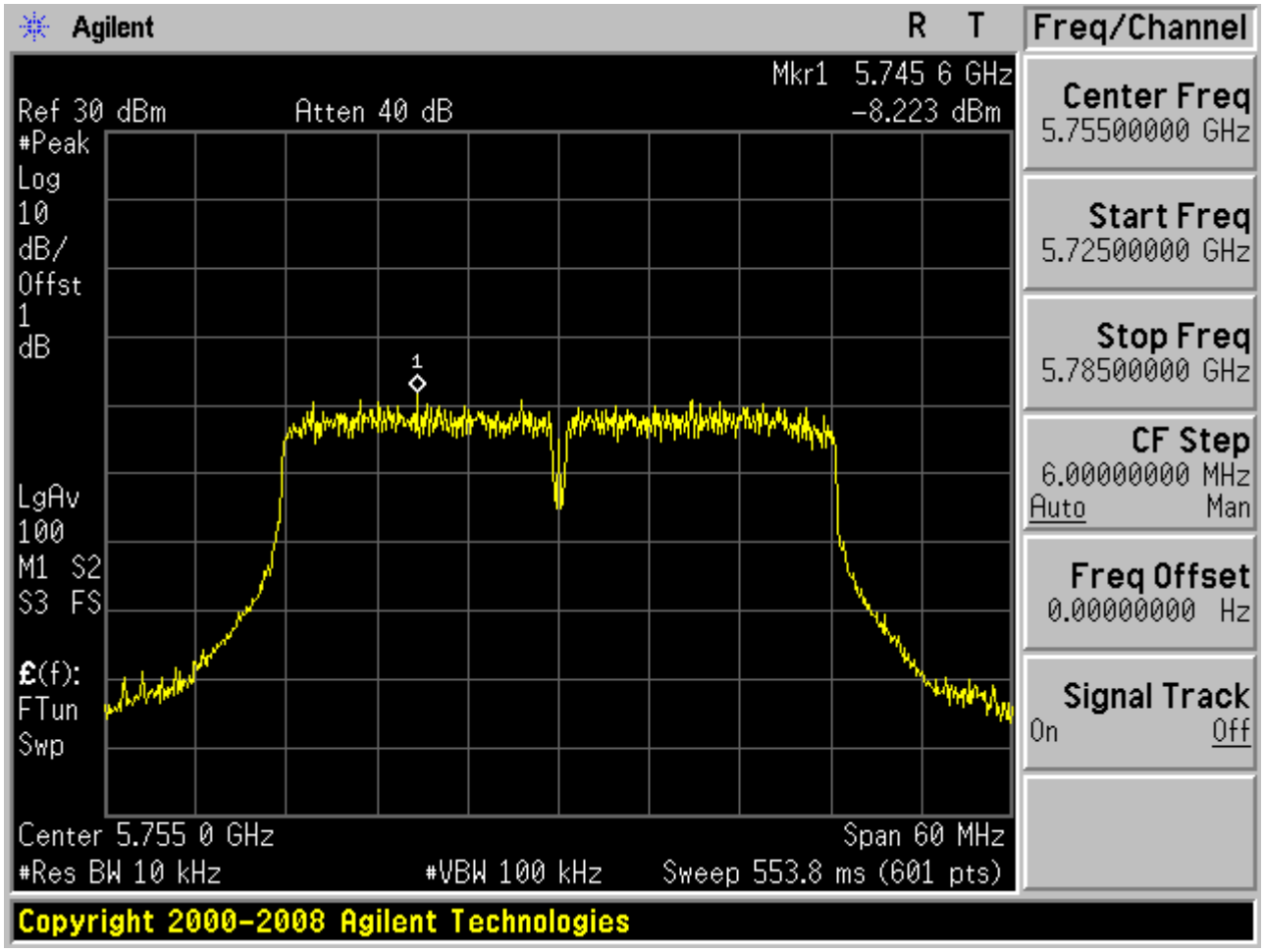
2.1911N20_157



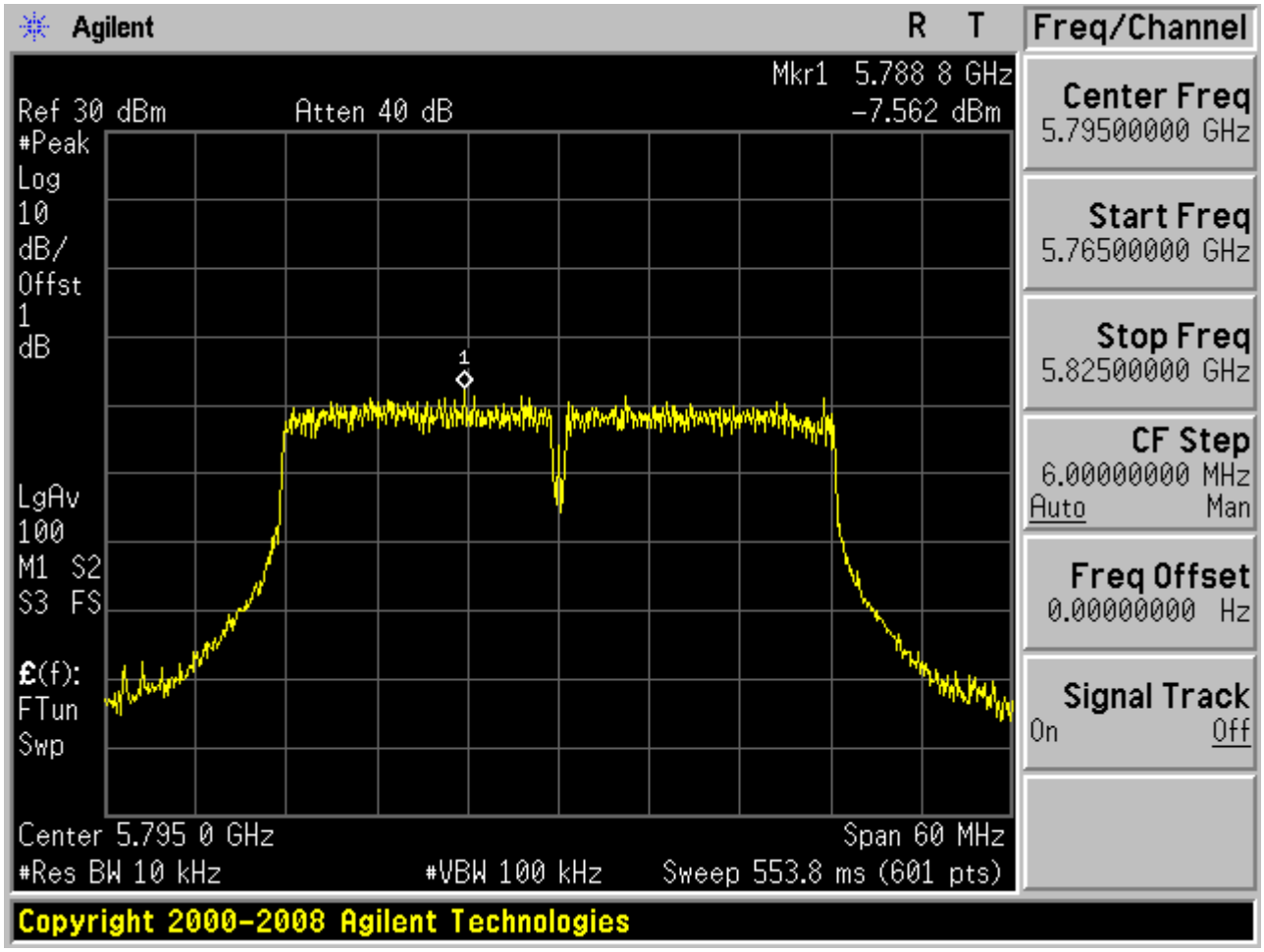
2.2011N20_165



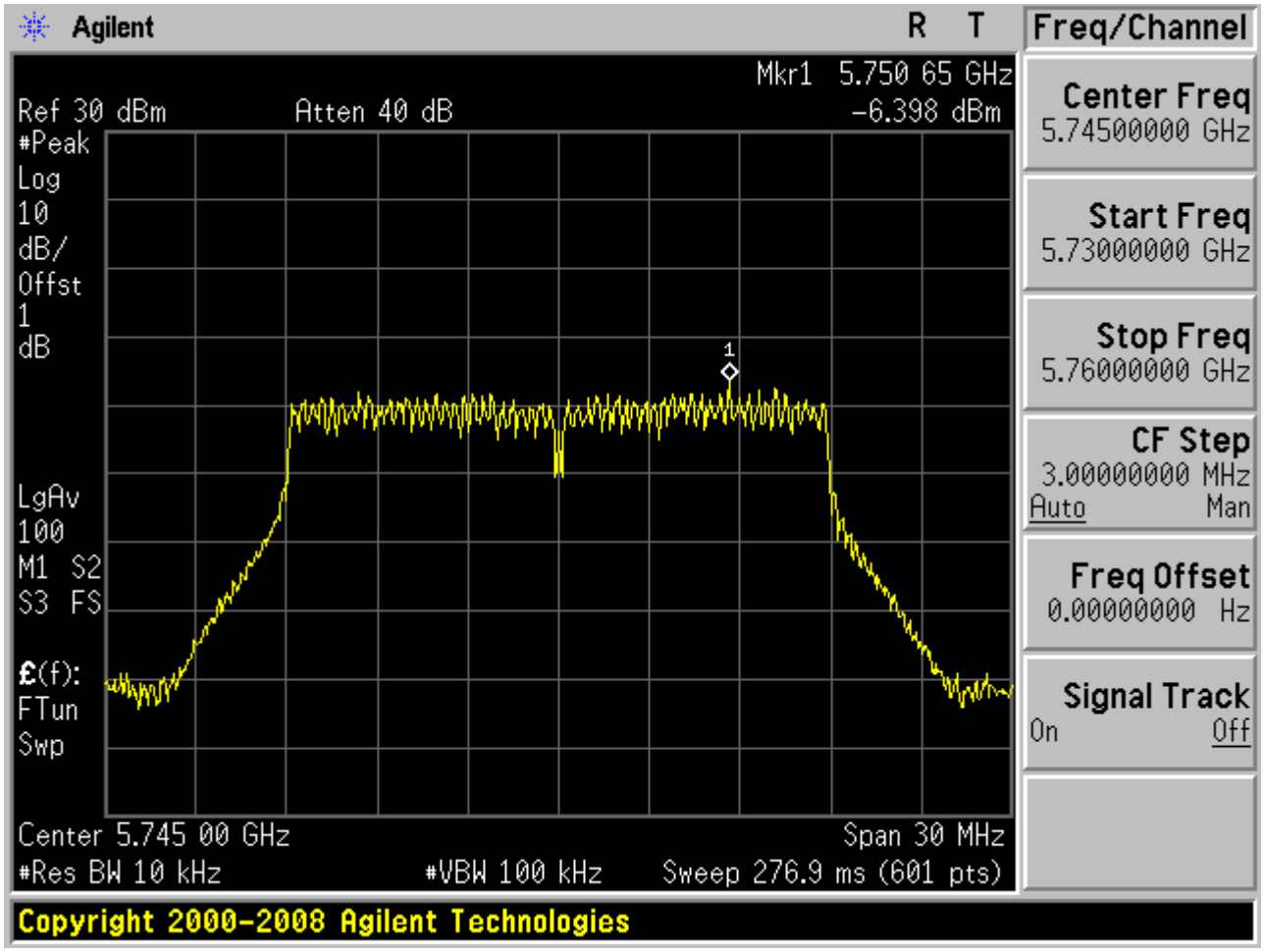
2.2111N40_151



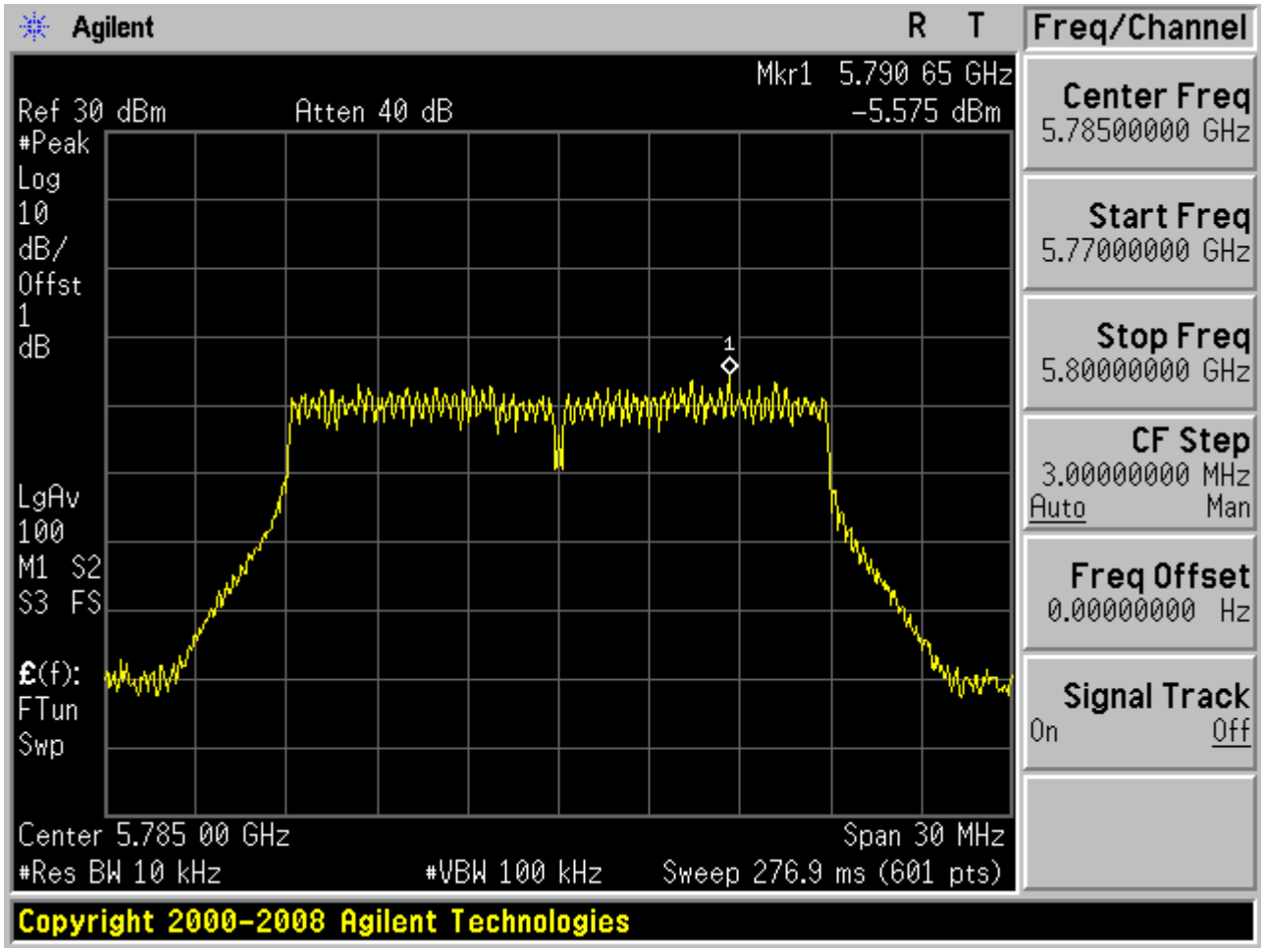
2.2211N40_159



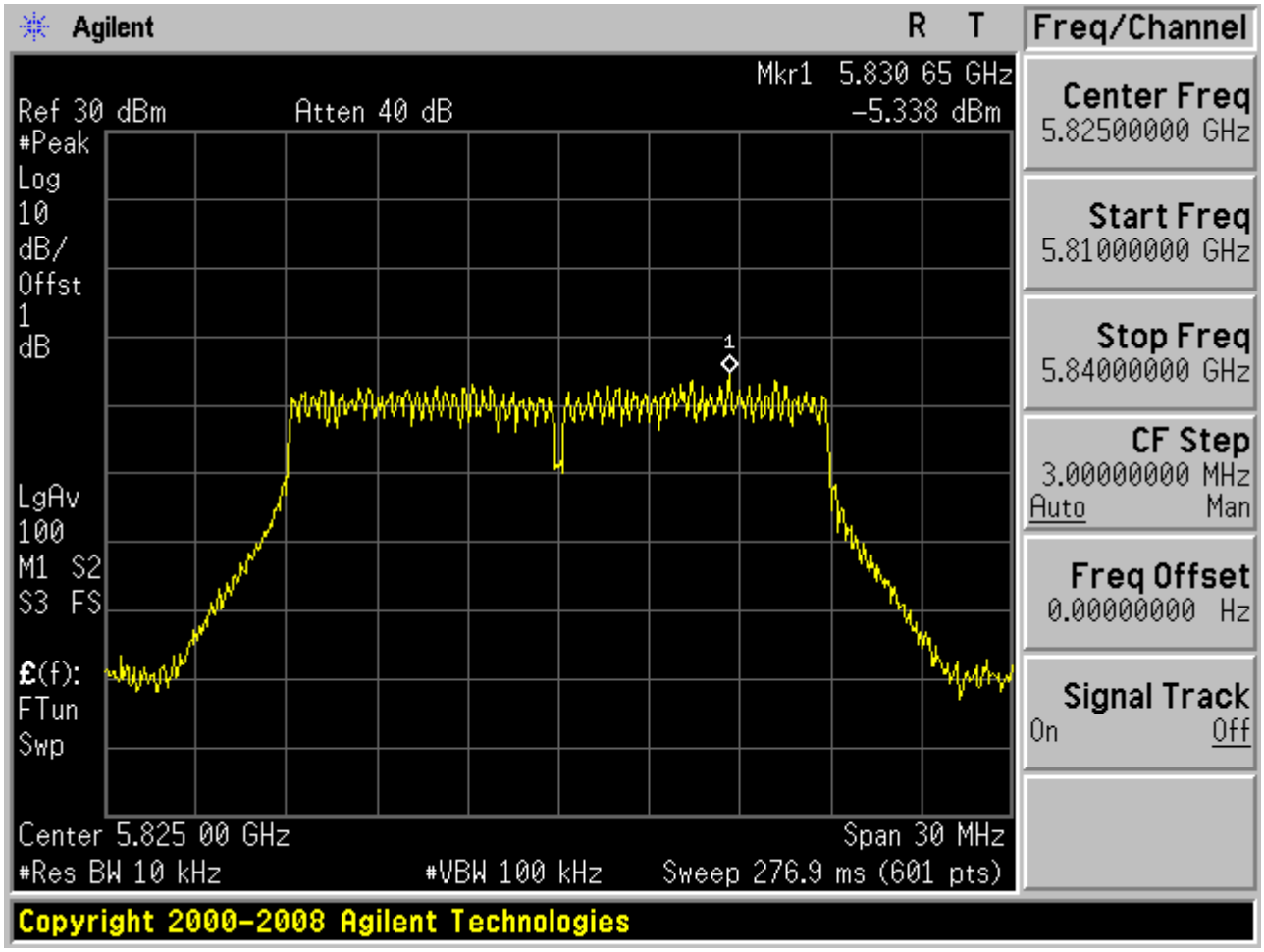
2.2311AC20_149



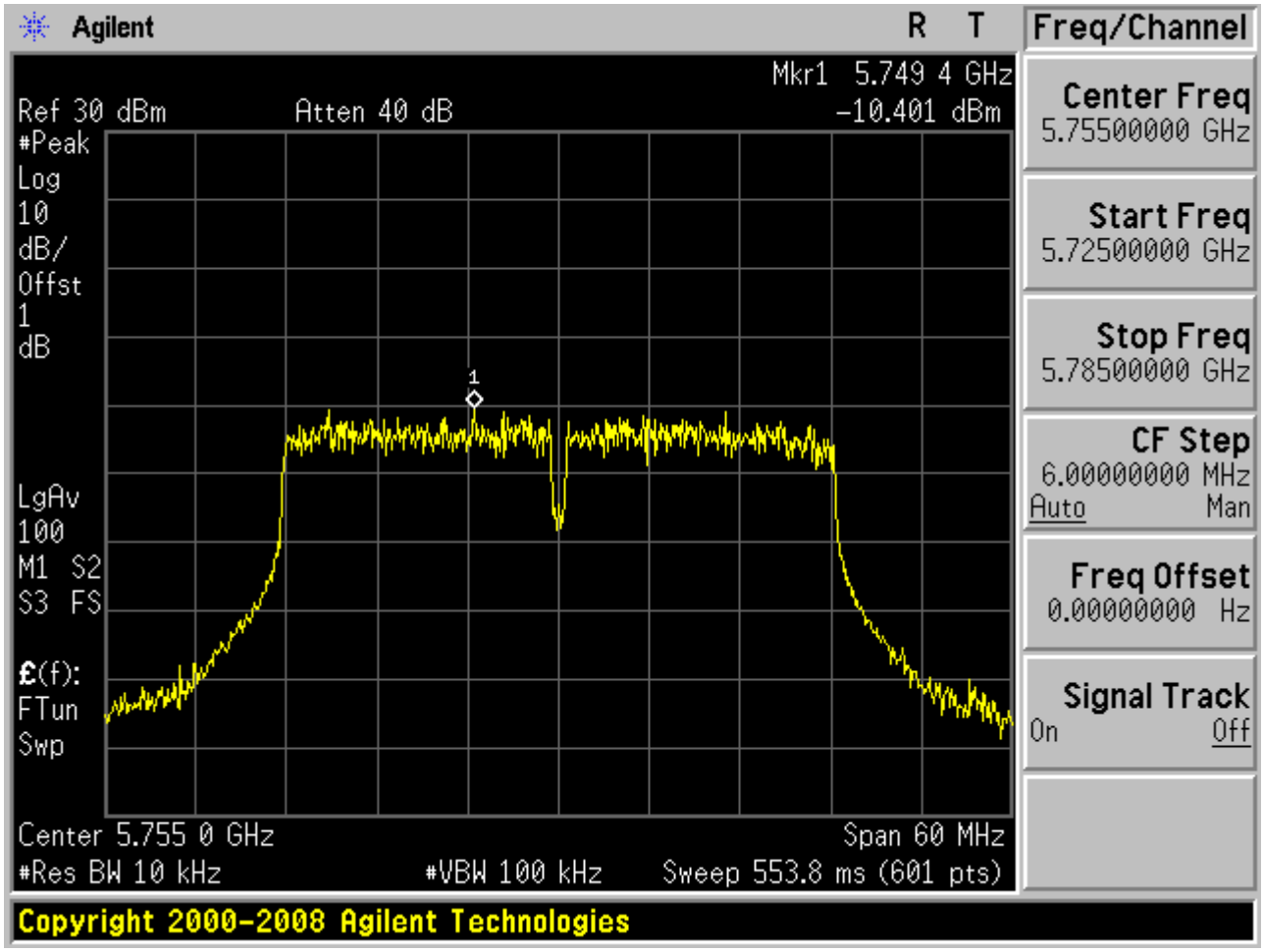
2.2411AC20_157



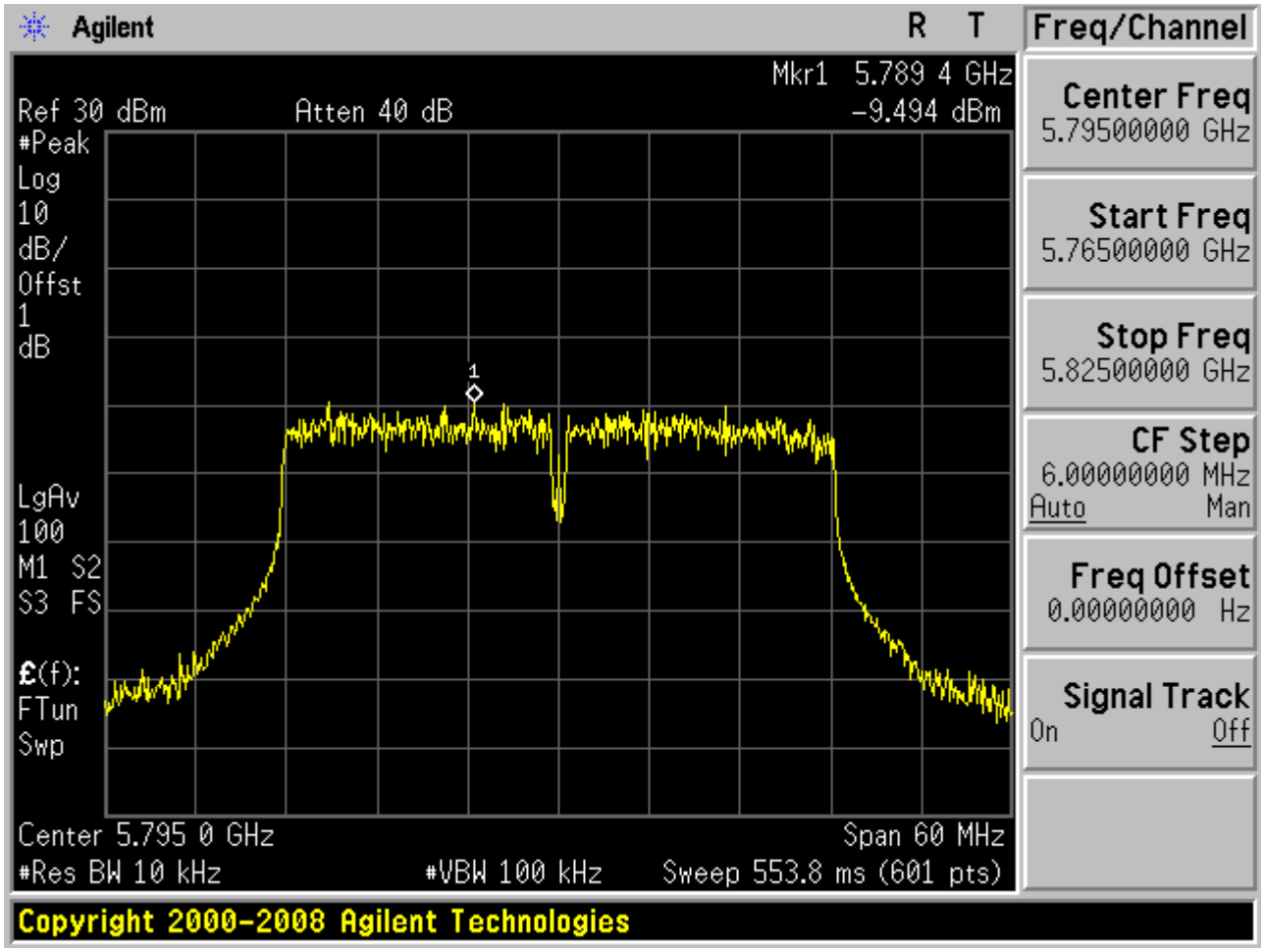
2.2511AC20_165



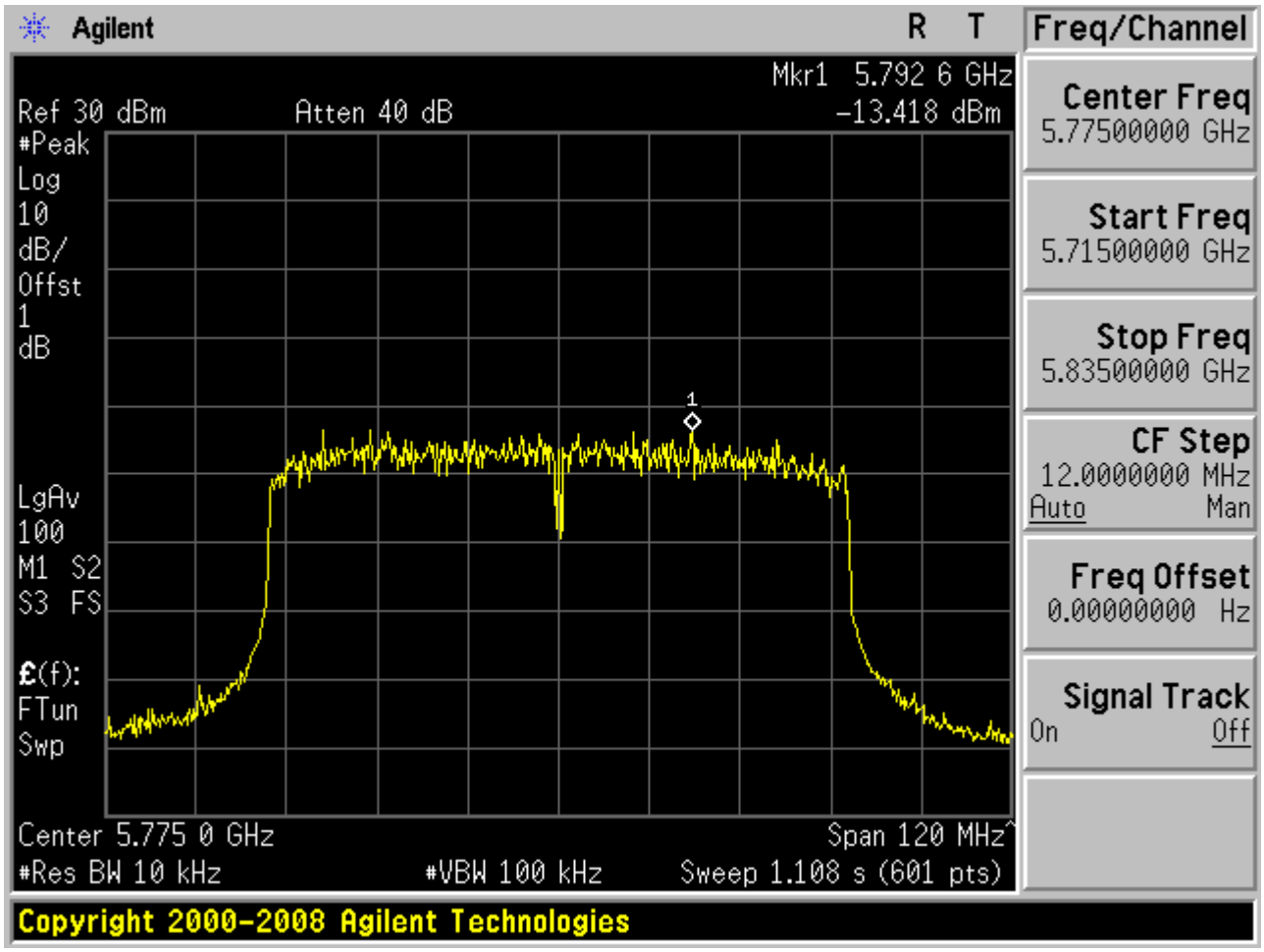
2.2611AC40_151



2.2711AC40_159



2.2811AC80_155



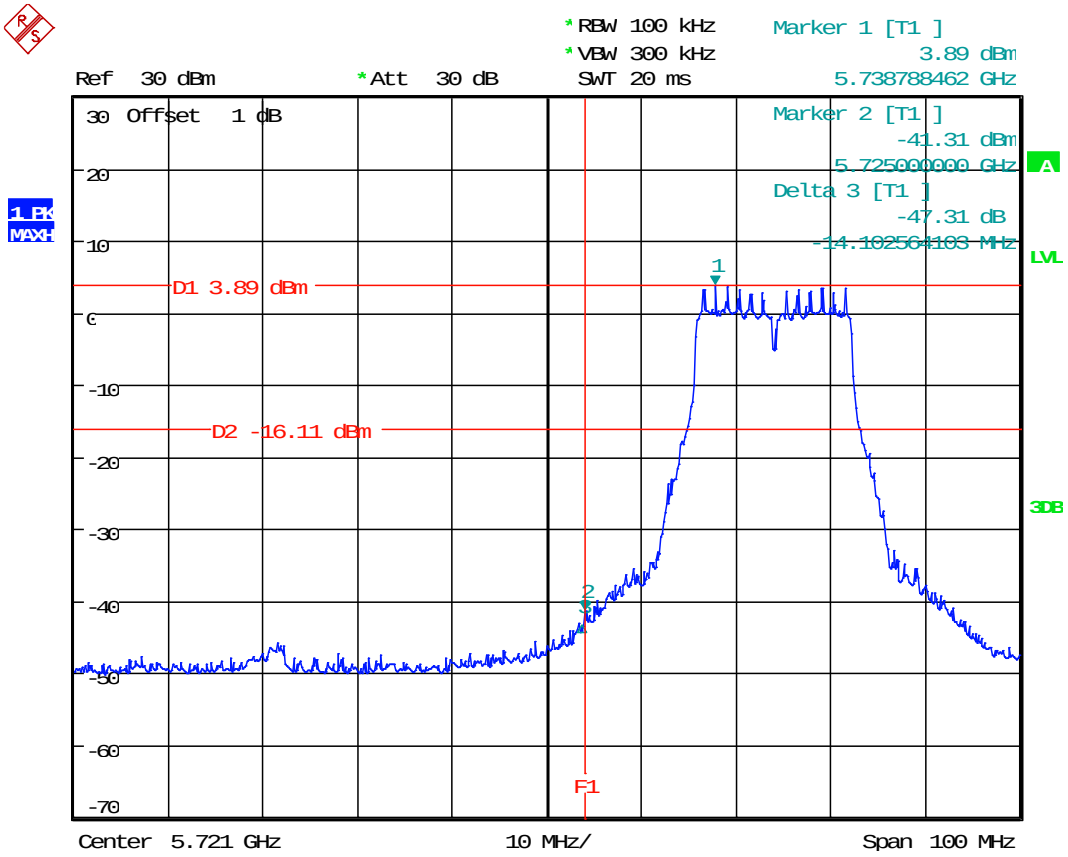
Appendix D: Unwanted Emissions into Non-Restricted Frequency Bands

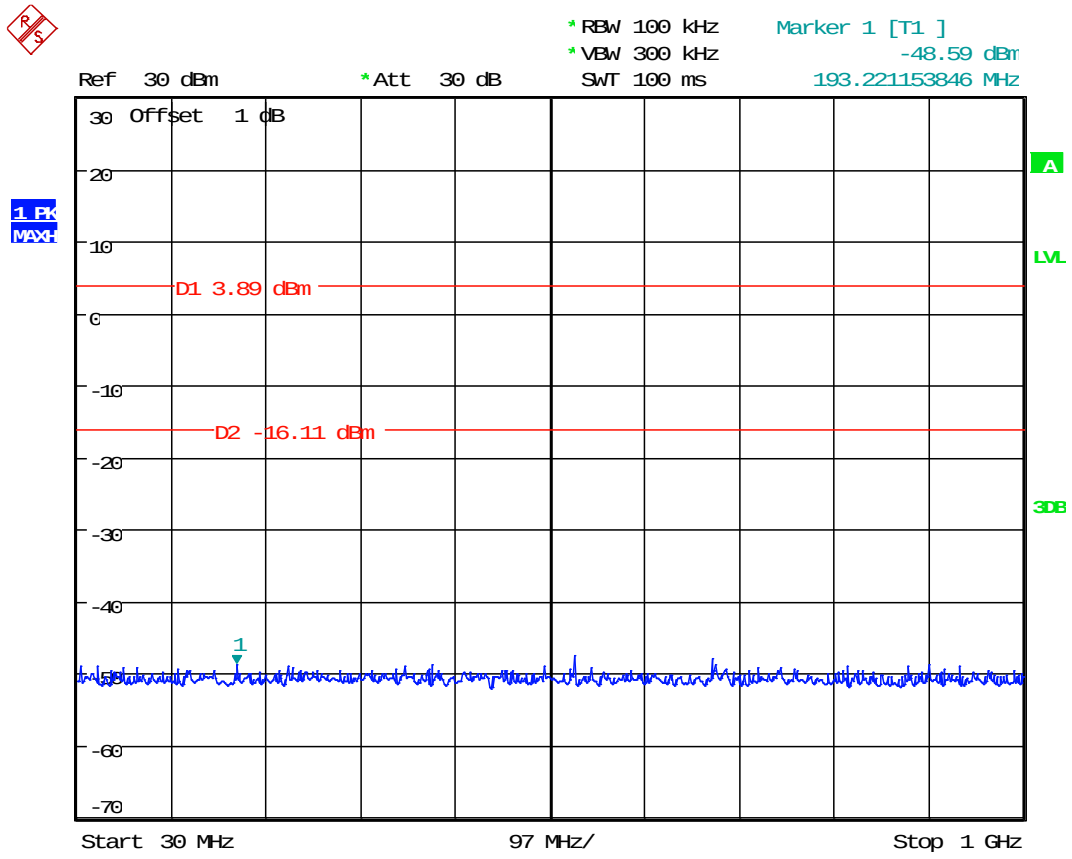
1 Result Table

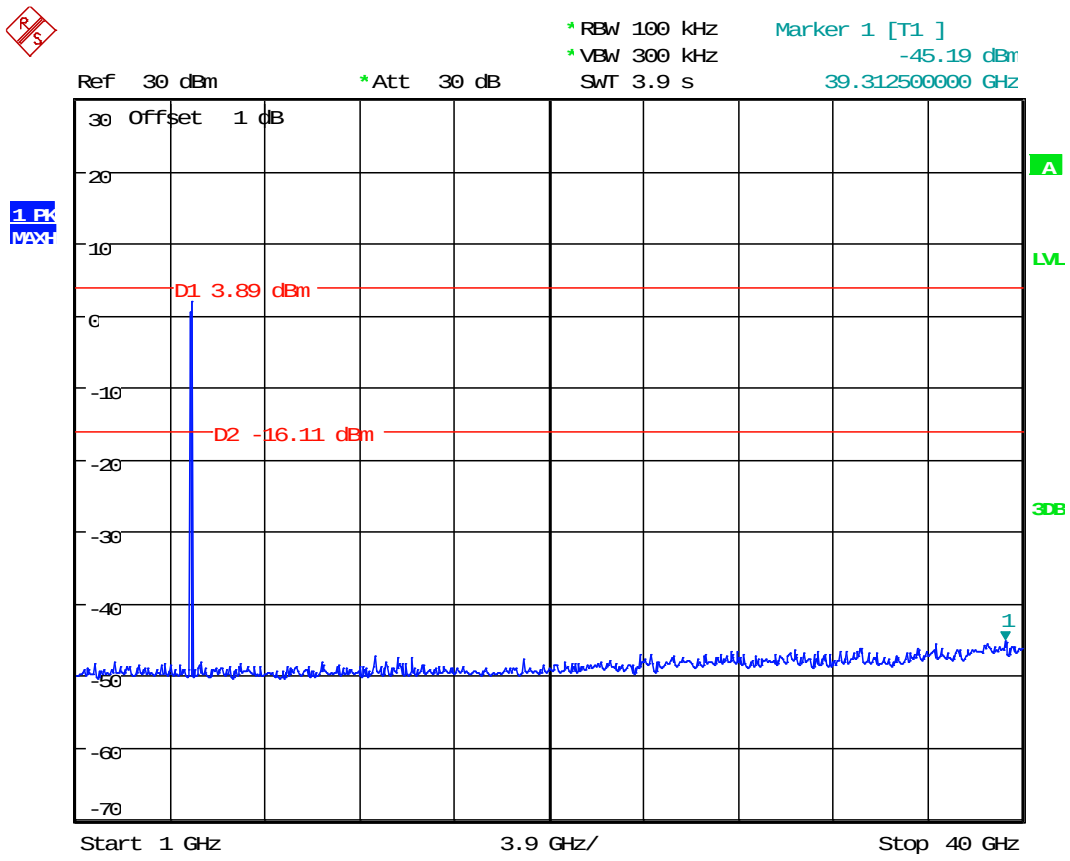
Test Mode	Test Channel	Frequency[MHz]	Max. Level [dBm]	Verdict
11A	149	5745	<limit	pass
11A	157	5785	<limit	pass
11A	165	5825	<limit	pass
11N20	149	5745	<limit	pass
11N20	157	5785	<limit	pass
11N20	165	5825	<limit	pass
11N40	151	5755	<limit	pass
11N40	159	5795	<limit	pass
11AC20	149	5745	<limit	pass
11AC20	157	5785	<limit	pass
11AC20	165	5825	<limit	pass
11AC40	151	5755	<limit	pass
11AC40	159	5795	<limit	pass
11AC80	155	5775	<limit	pass

2 Test Plot

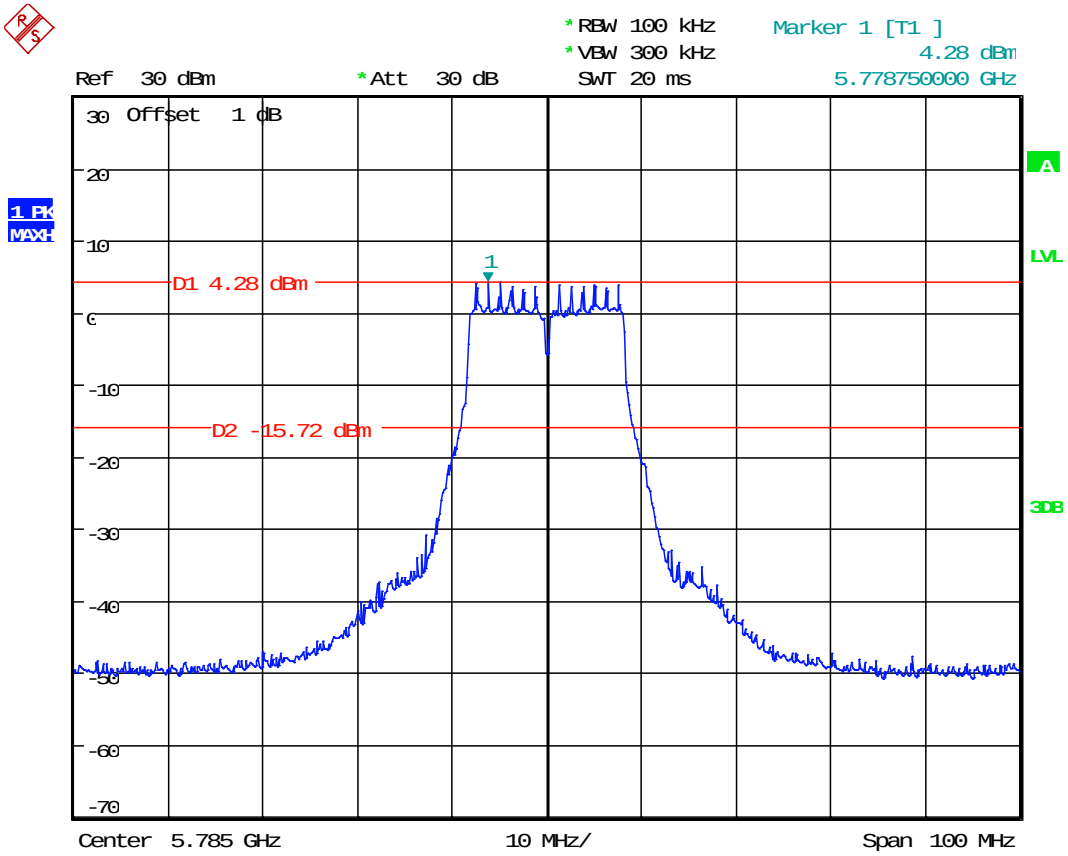
2.1 11A_149

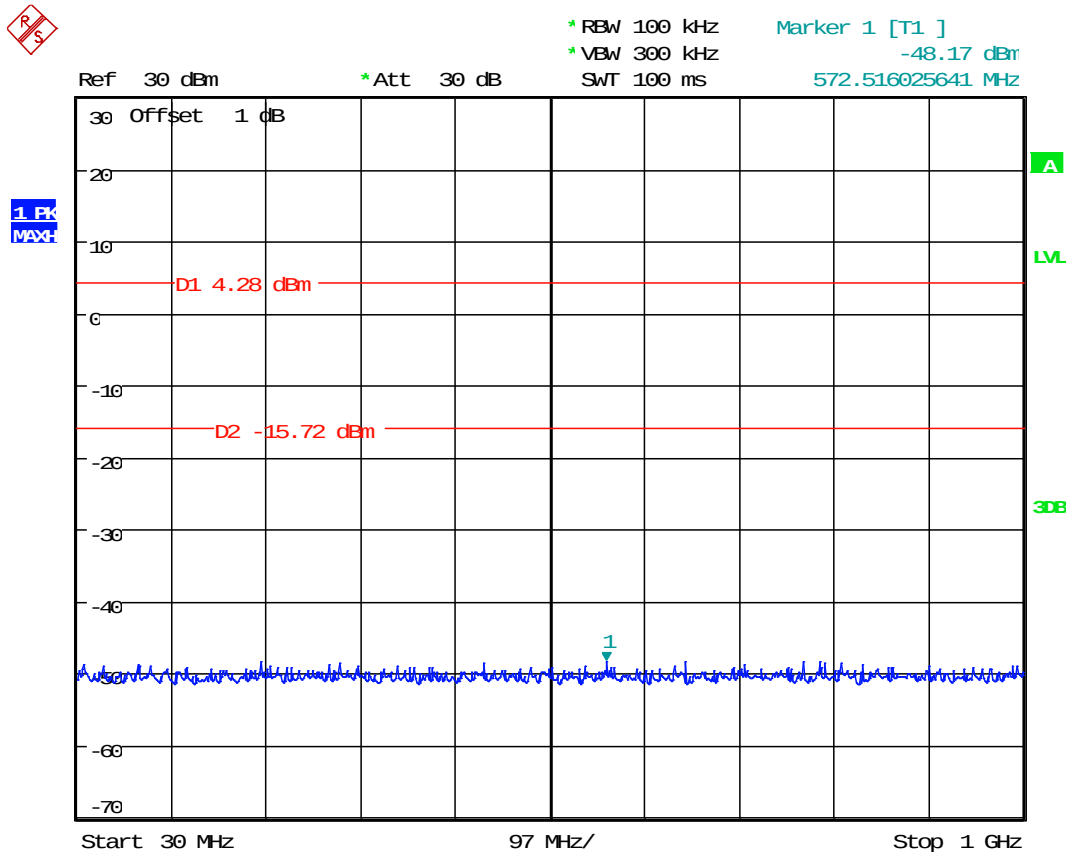


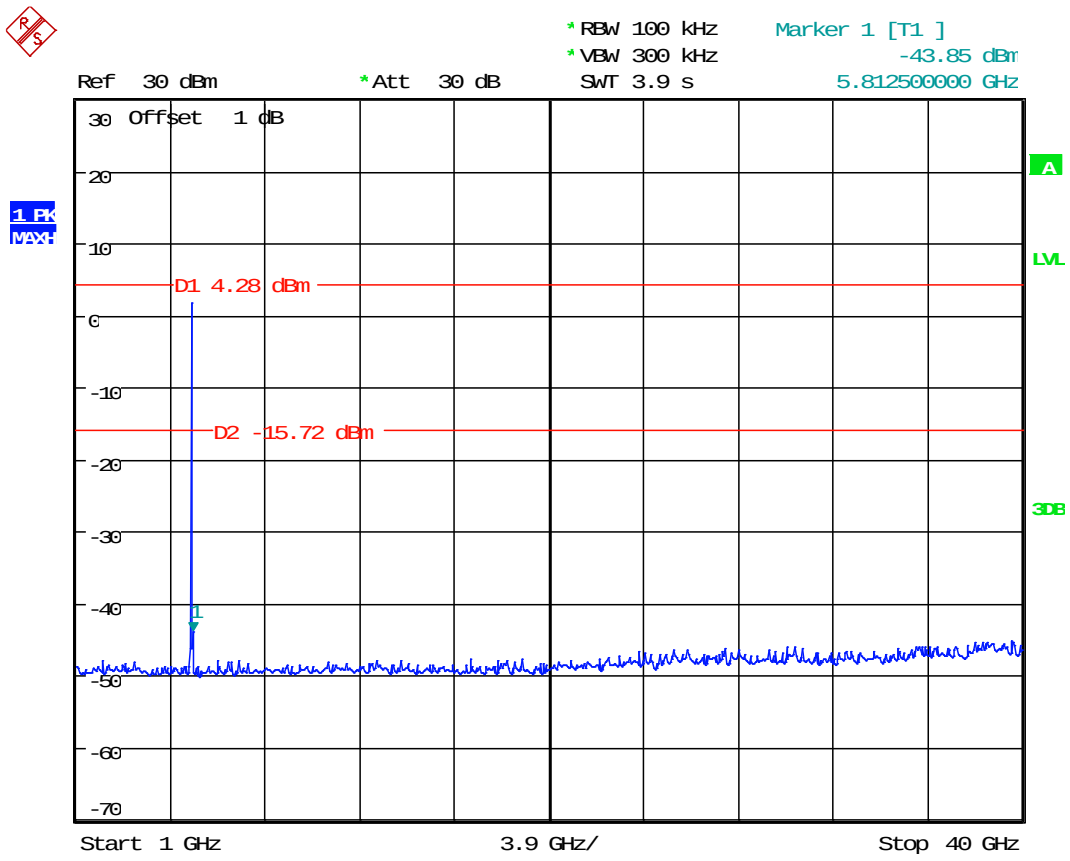




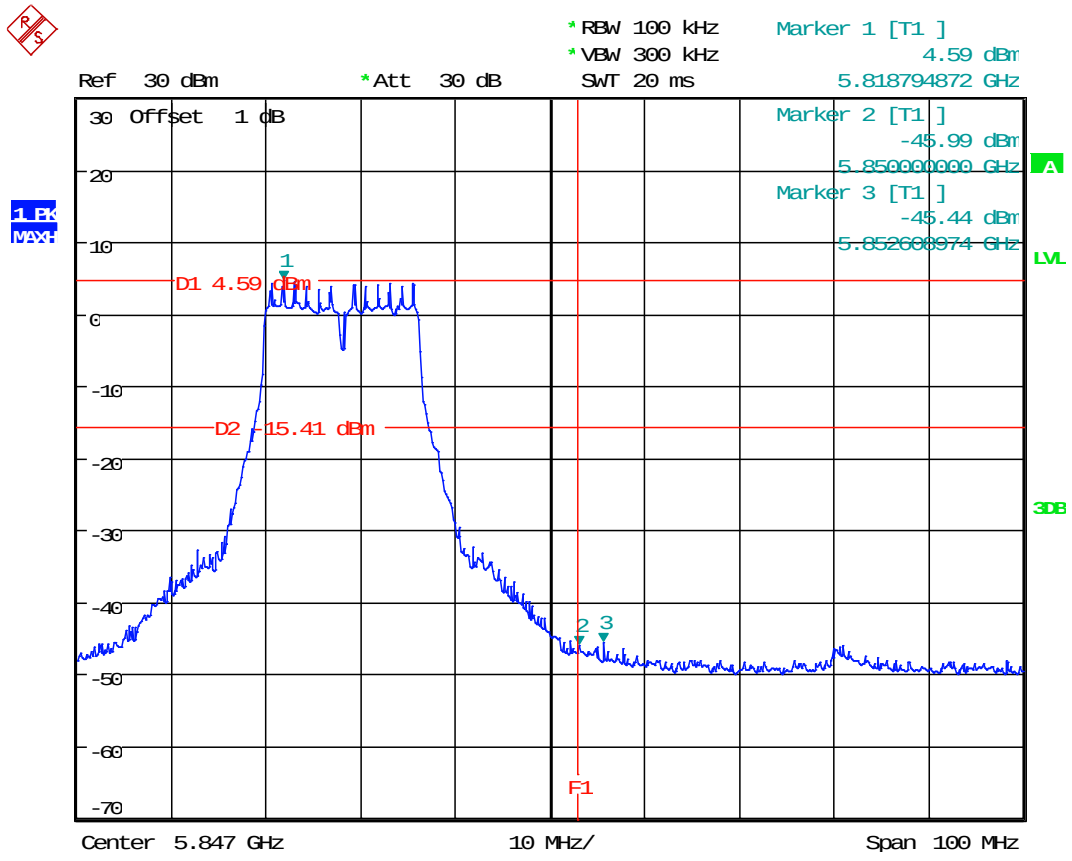
2.2 11A_157

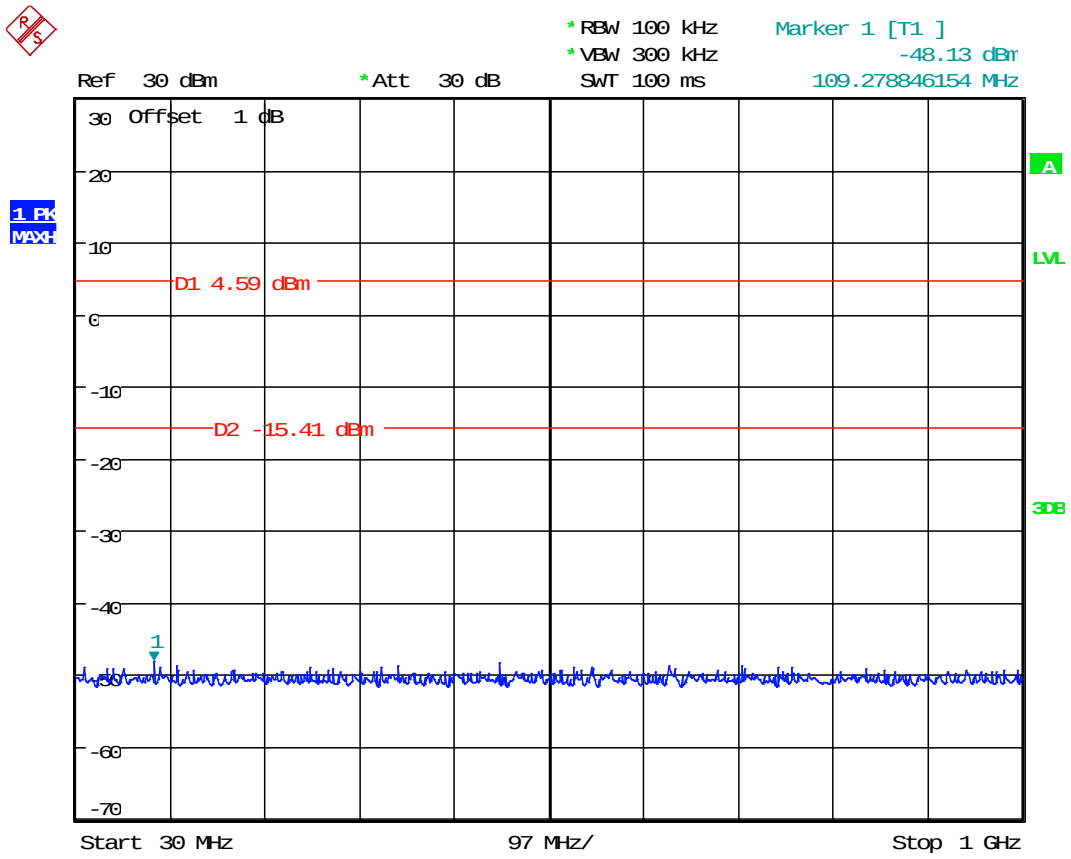


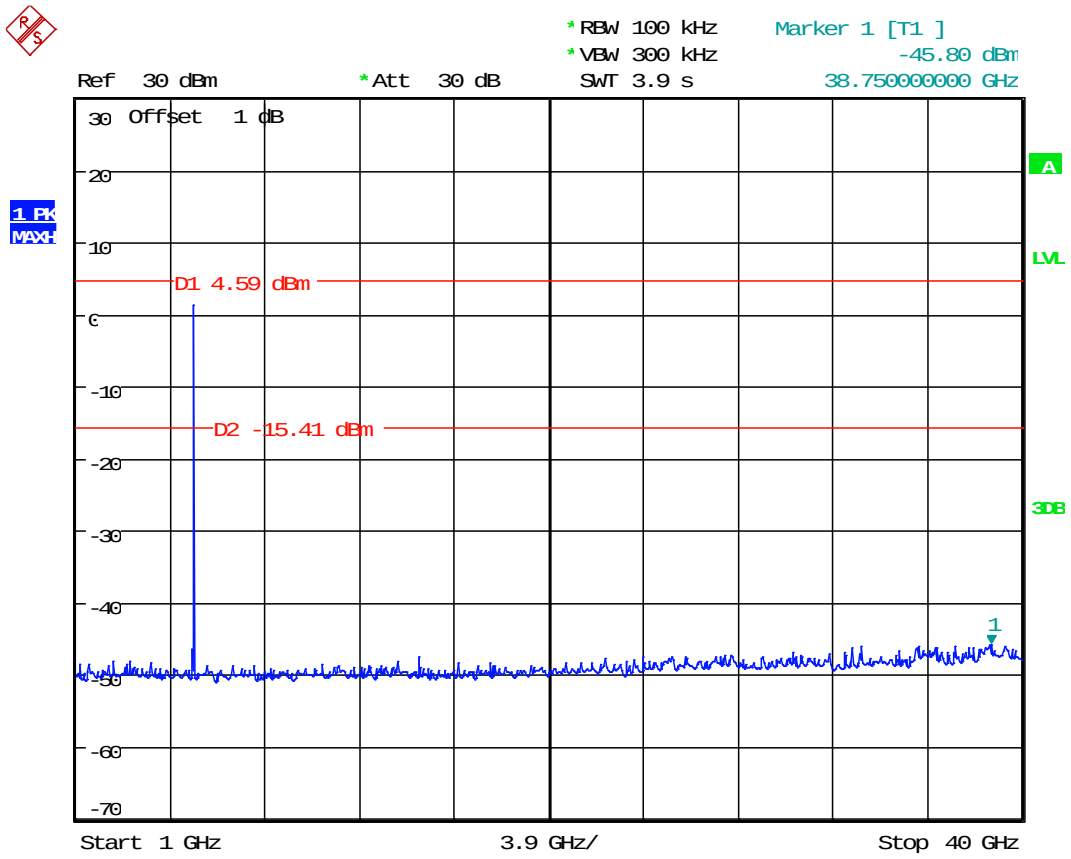




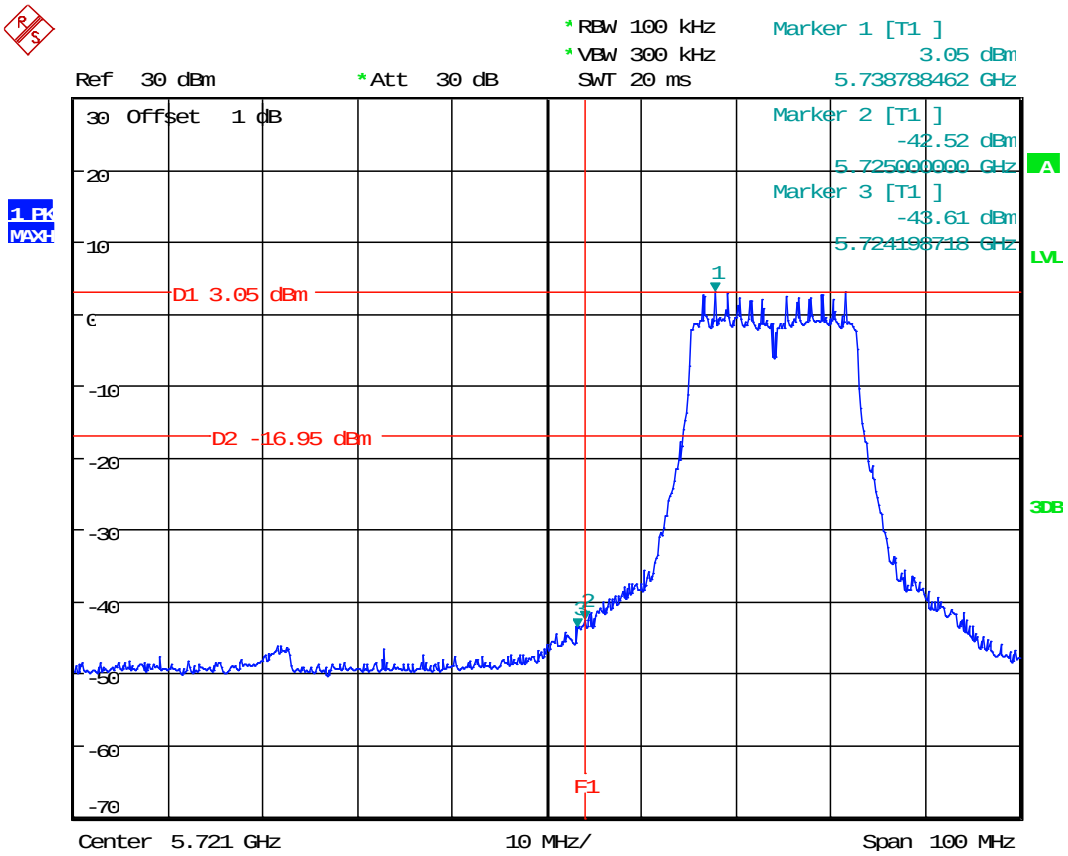
2.3 11A_165

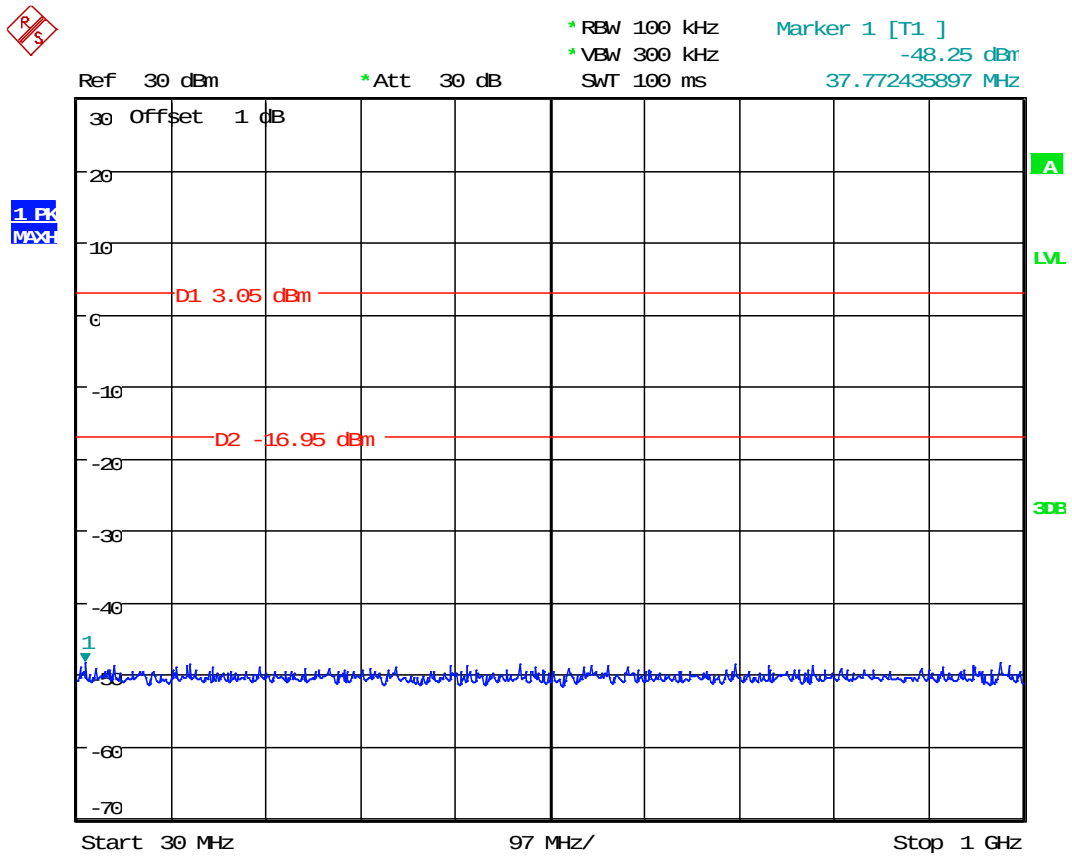


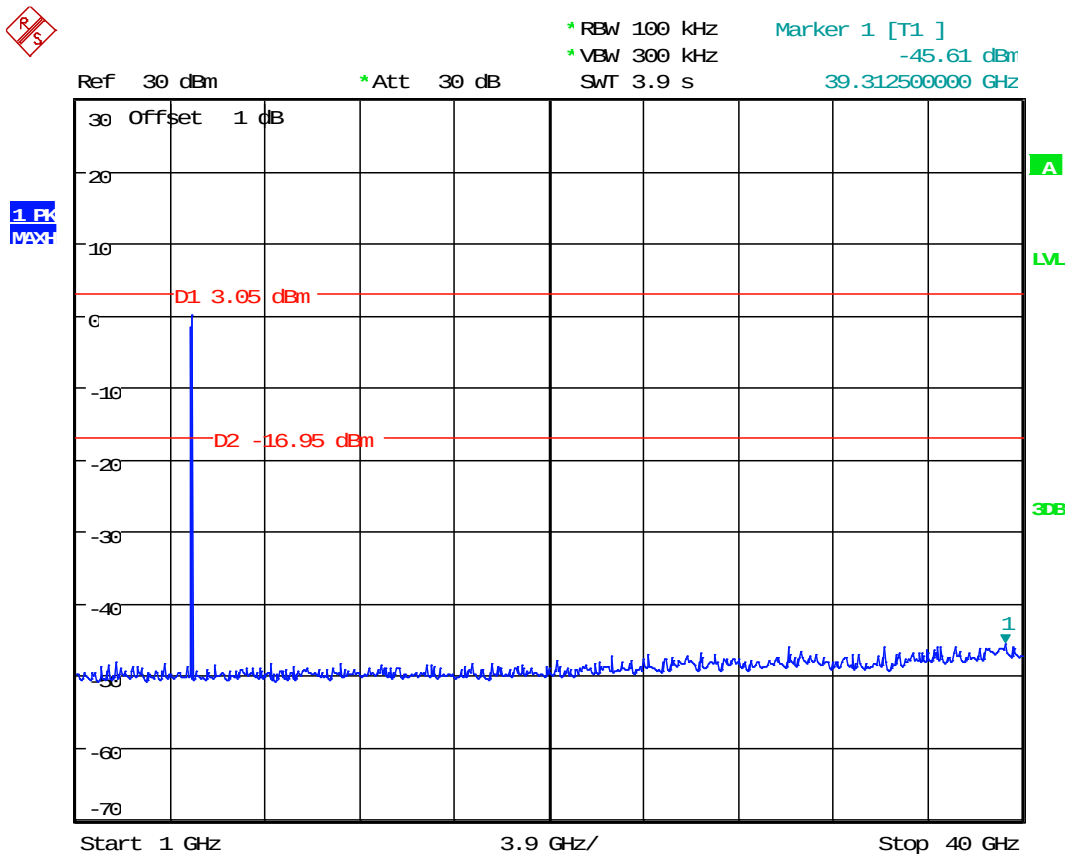




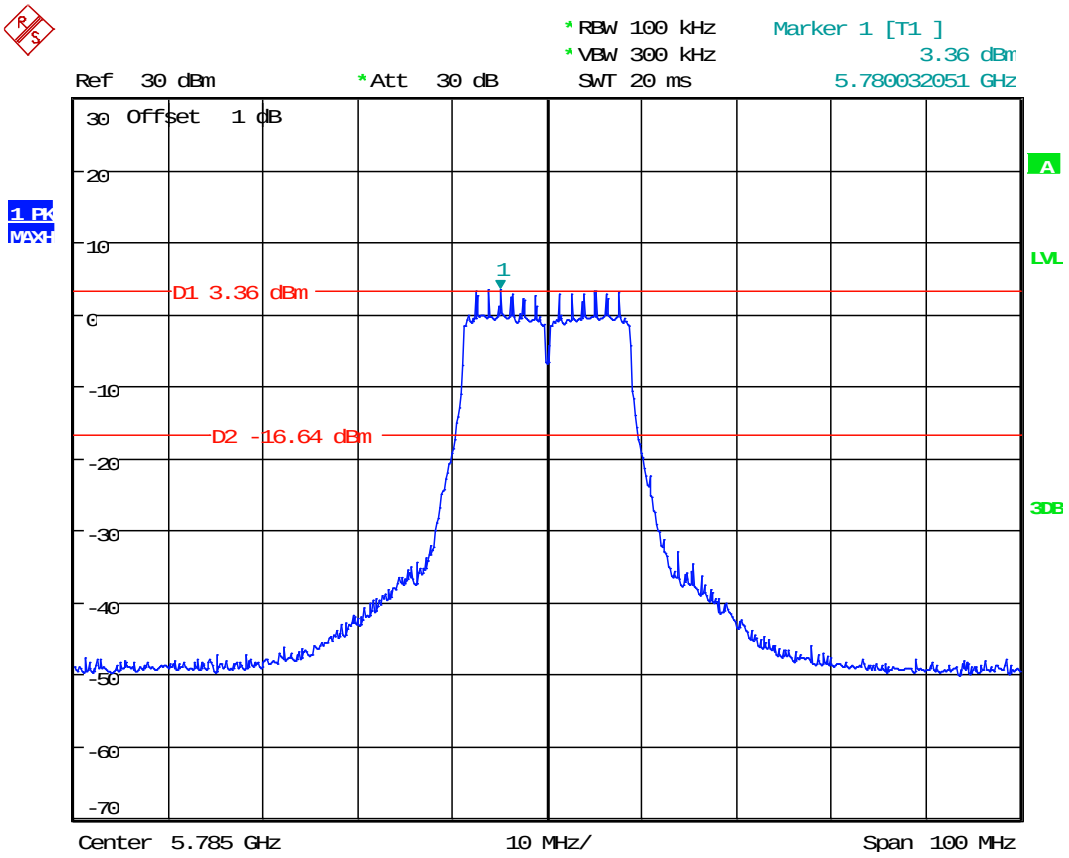
2.4 11N20_149

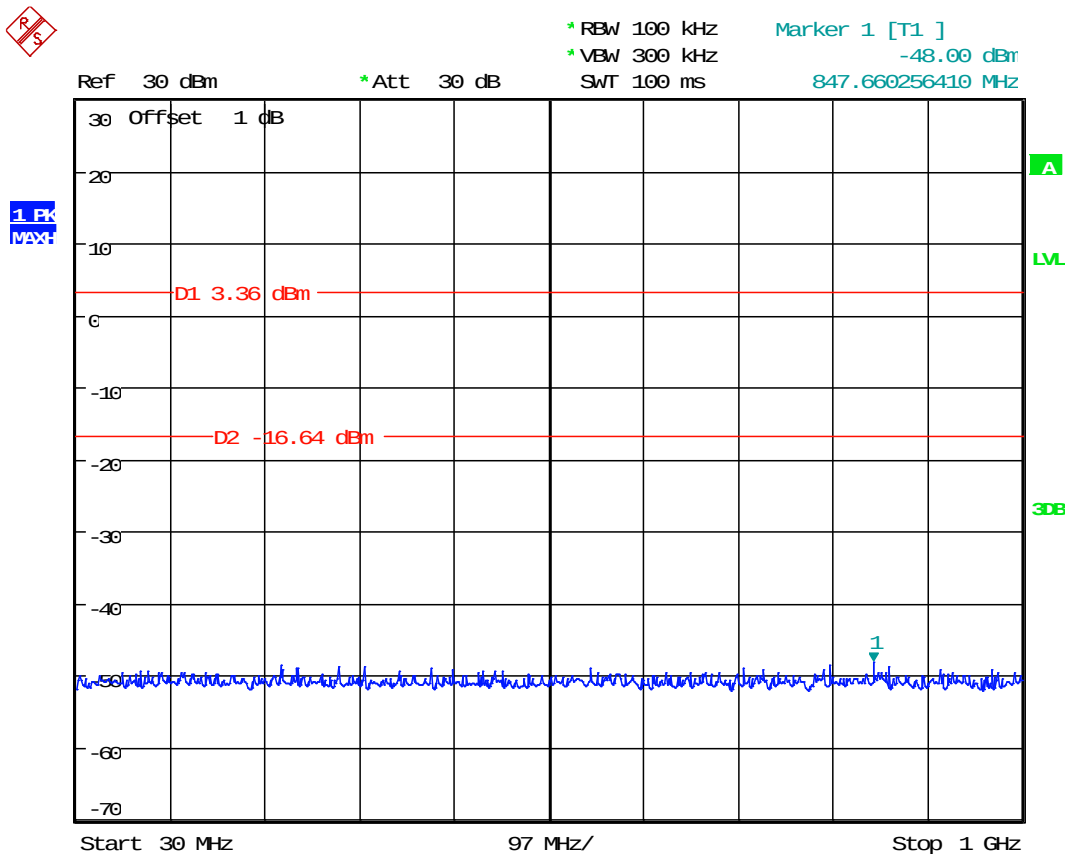


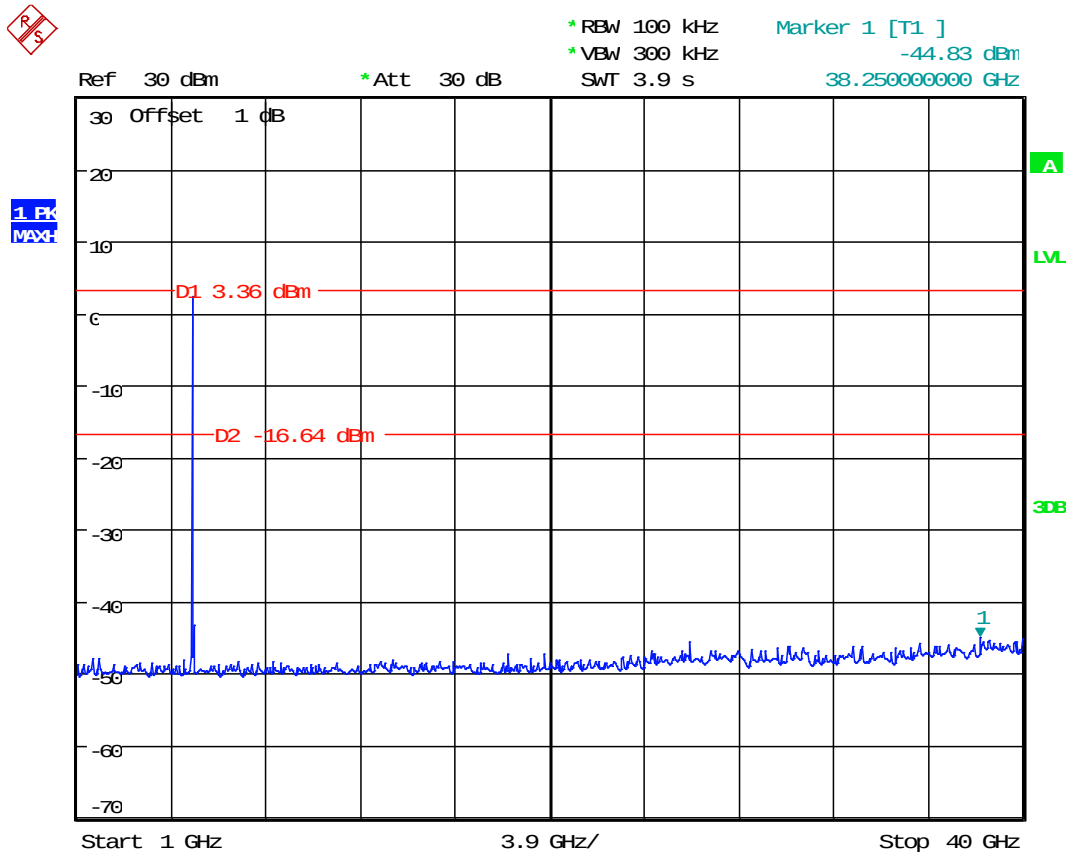




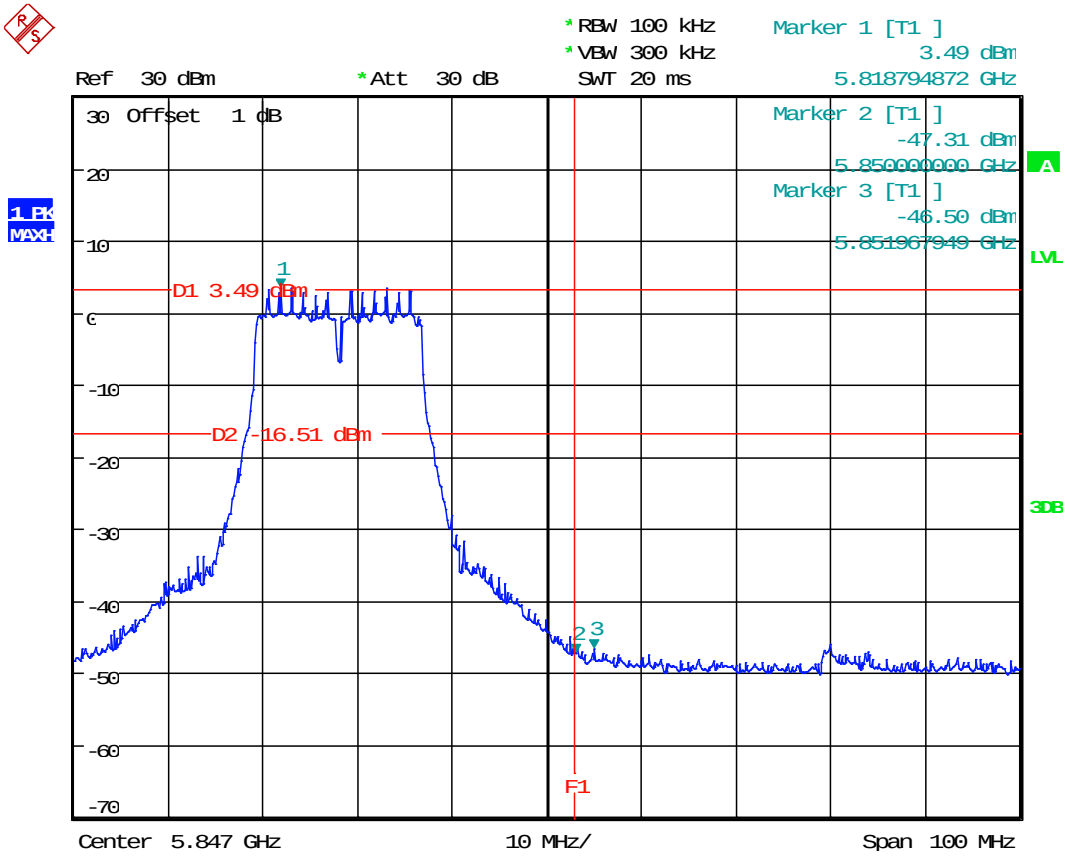
2.5 11N20_157

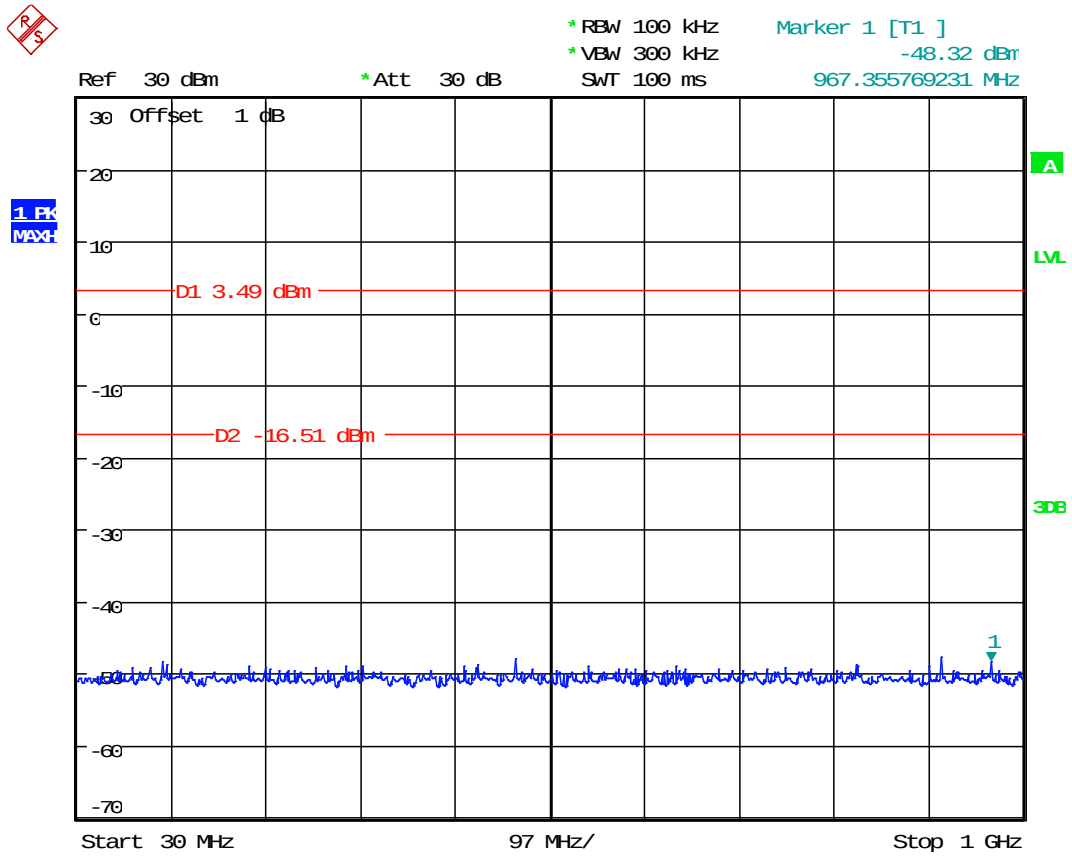


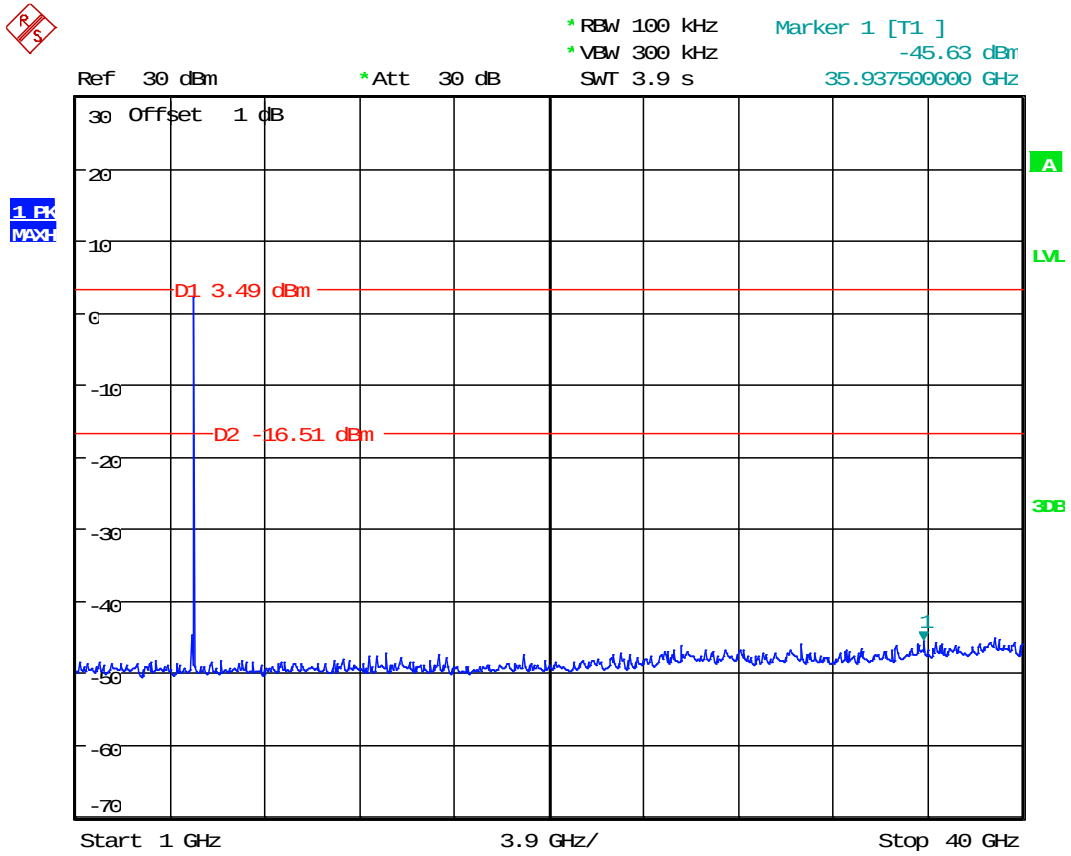




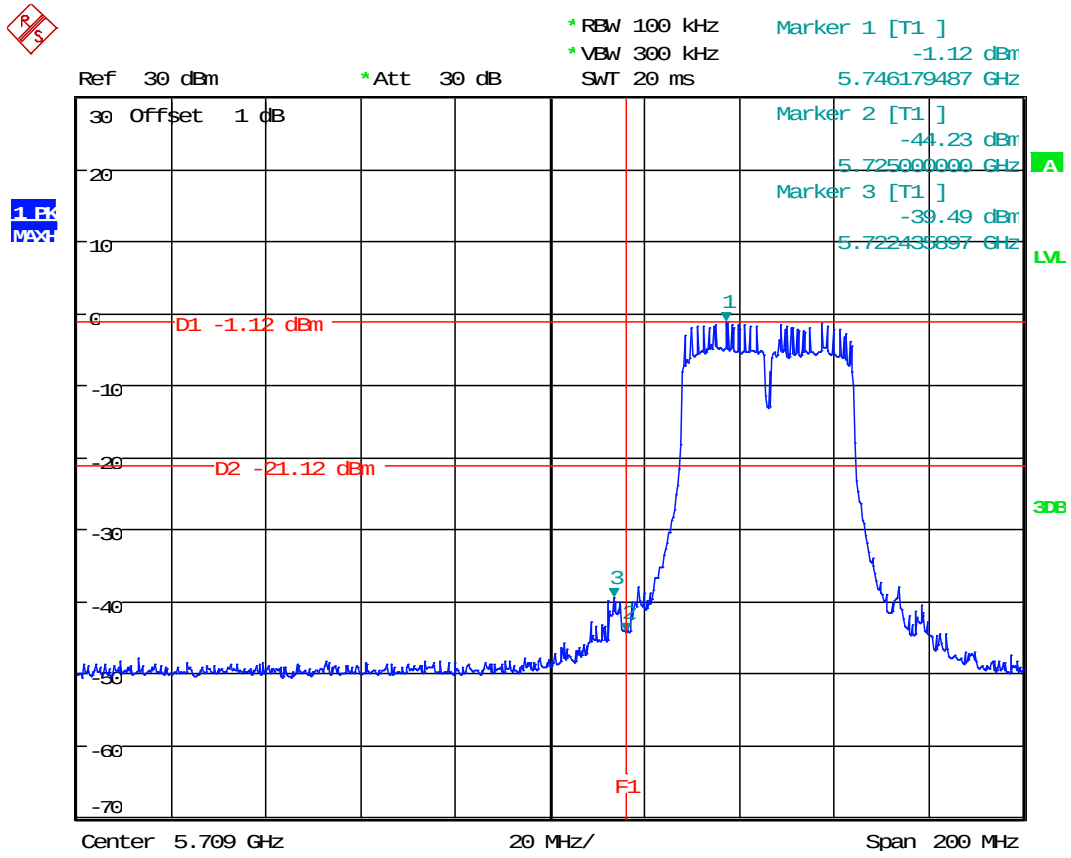
2.6 11N20_165

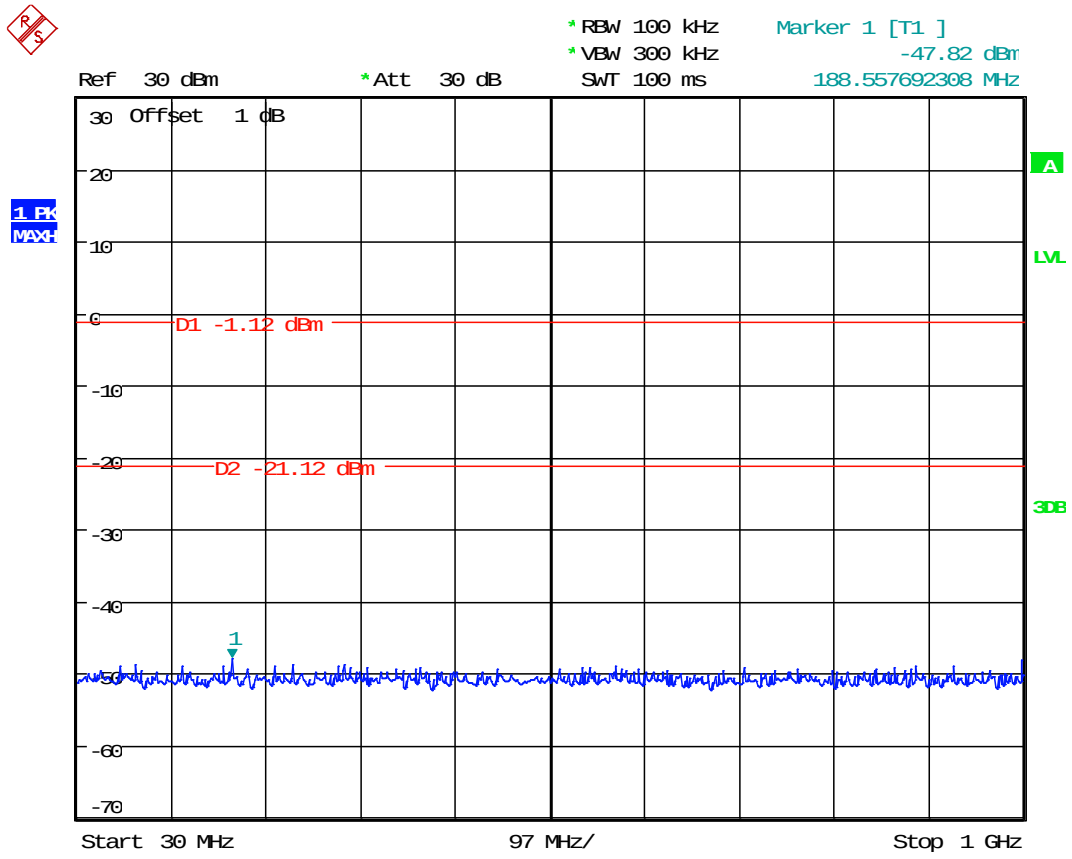


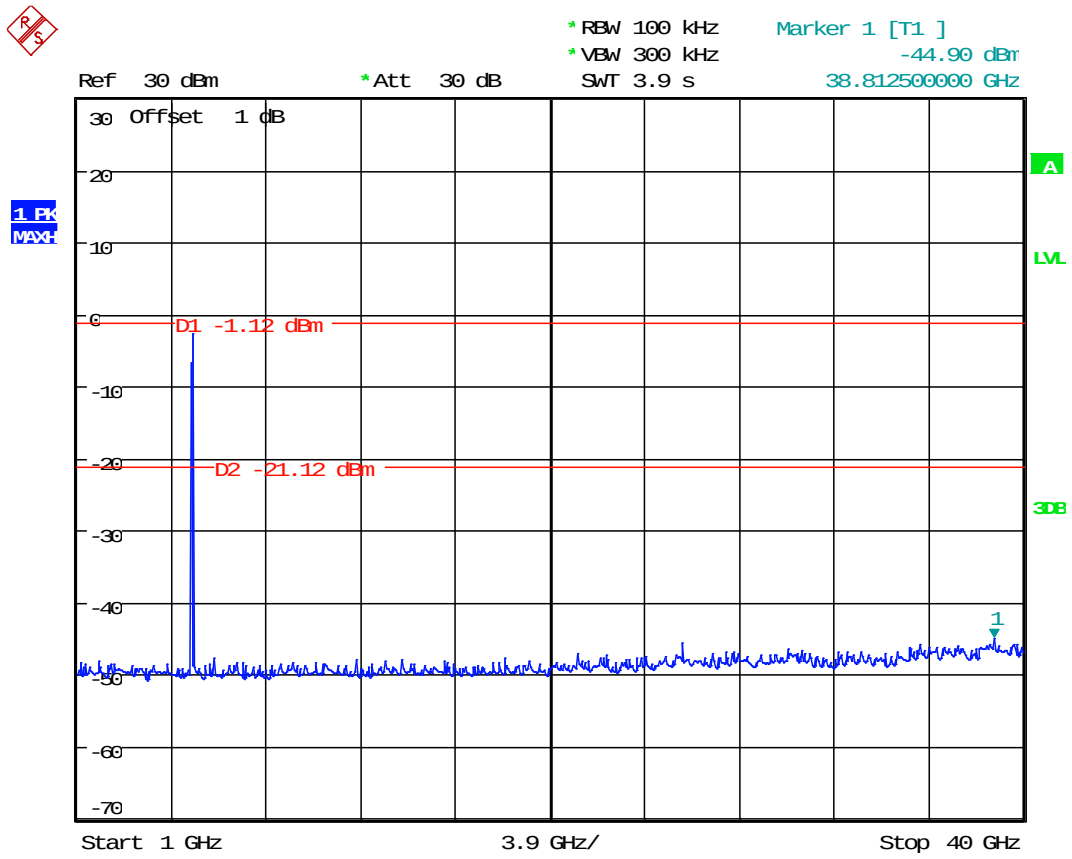




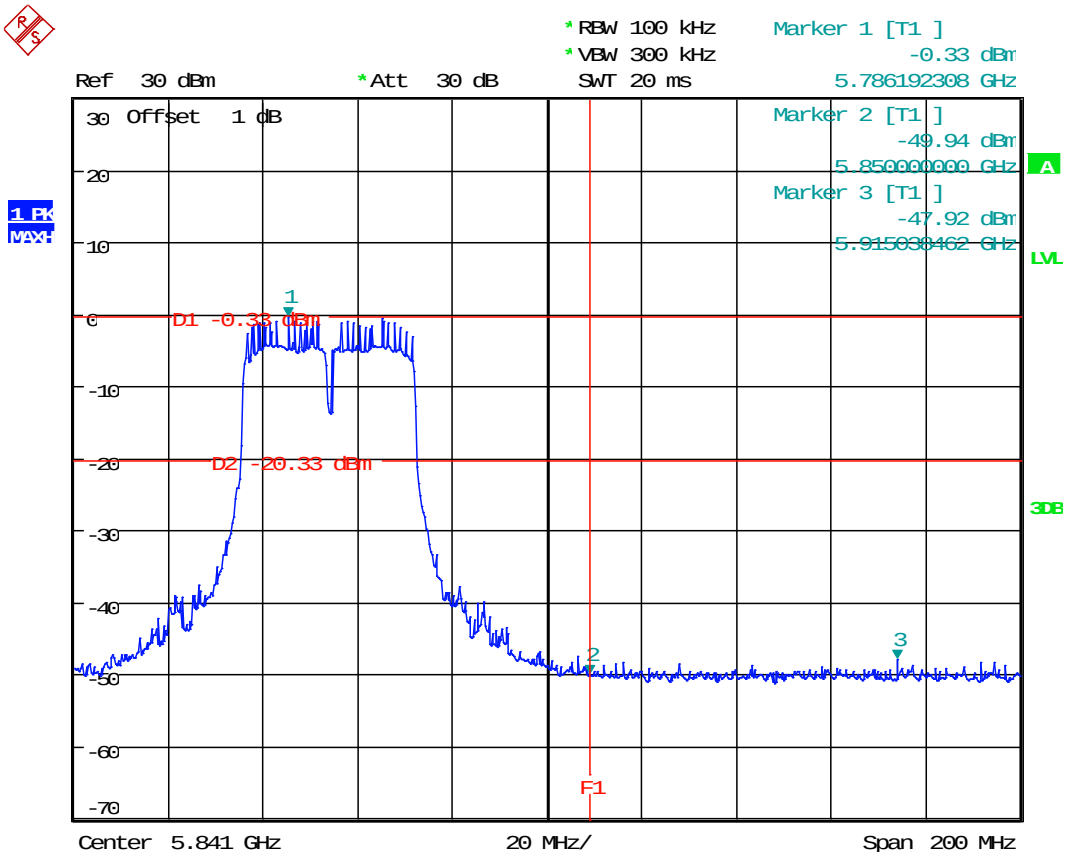
2.7 11N40_151

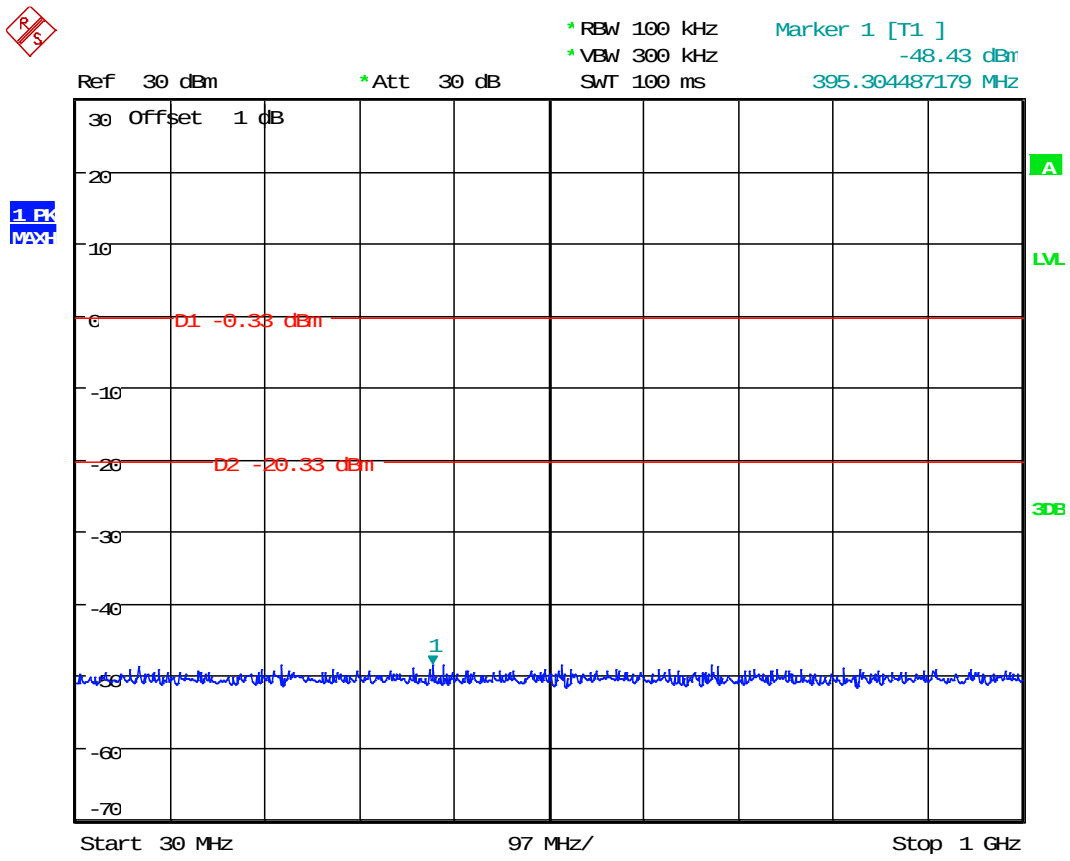


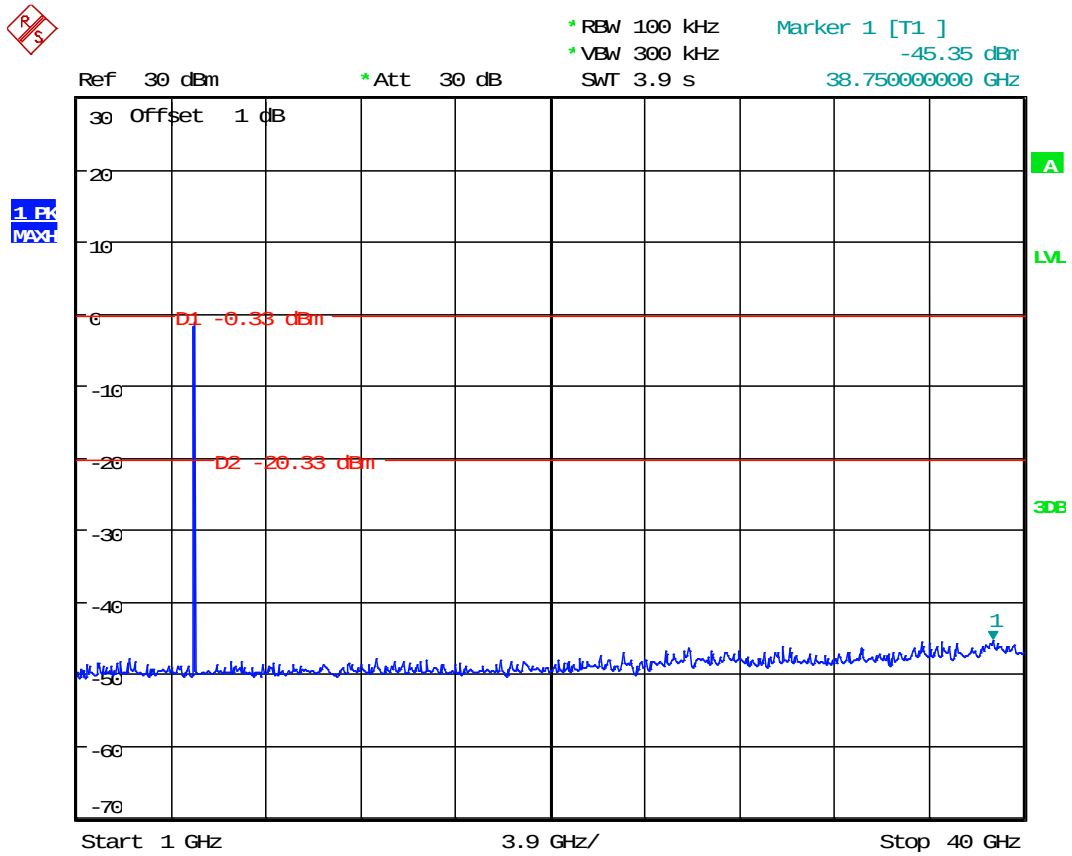




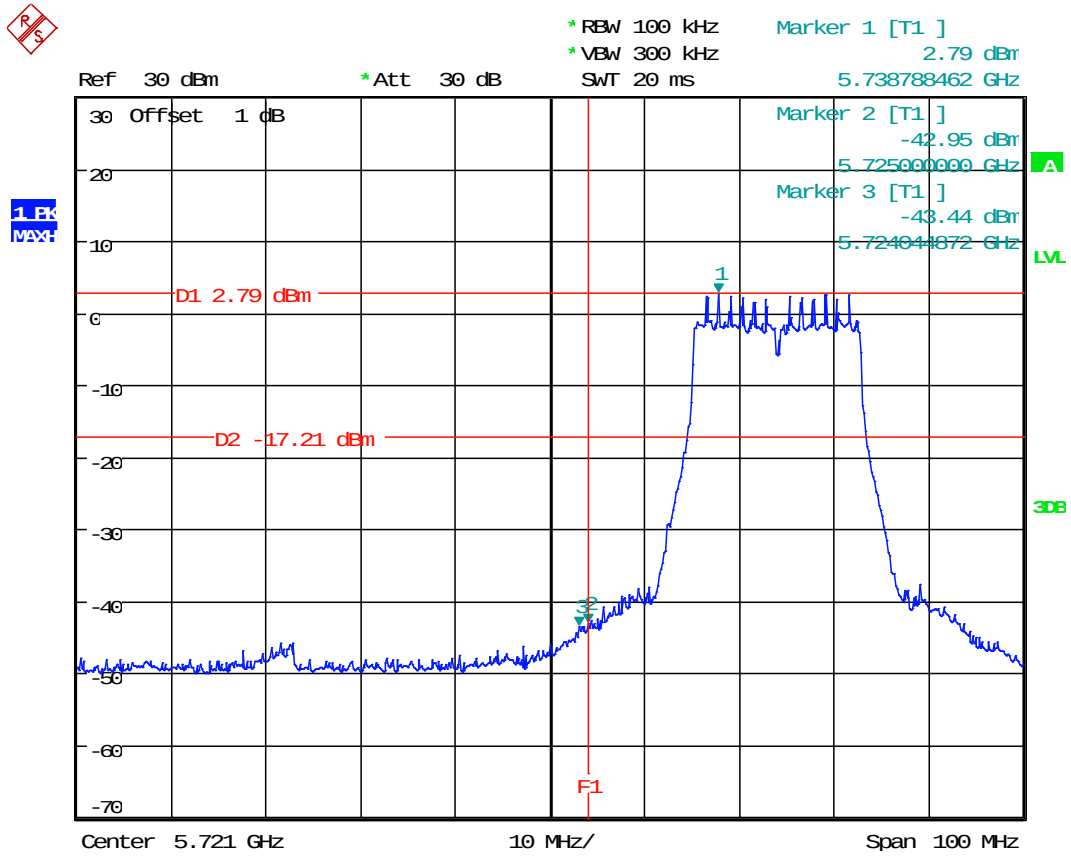
2.8 11N40_159

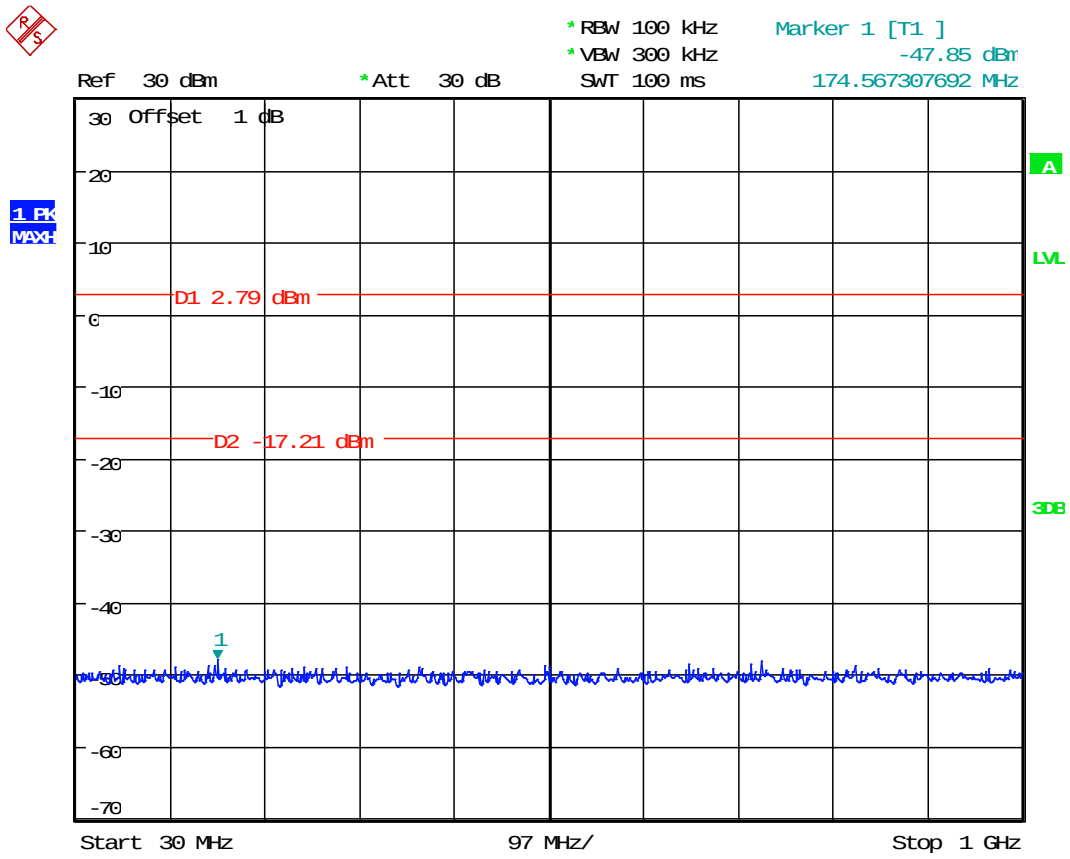


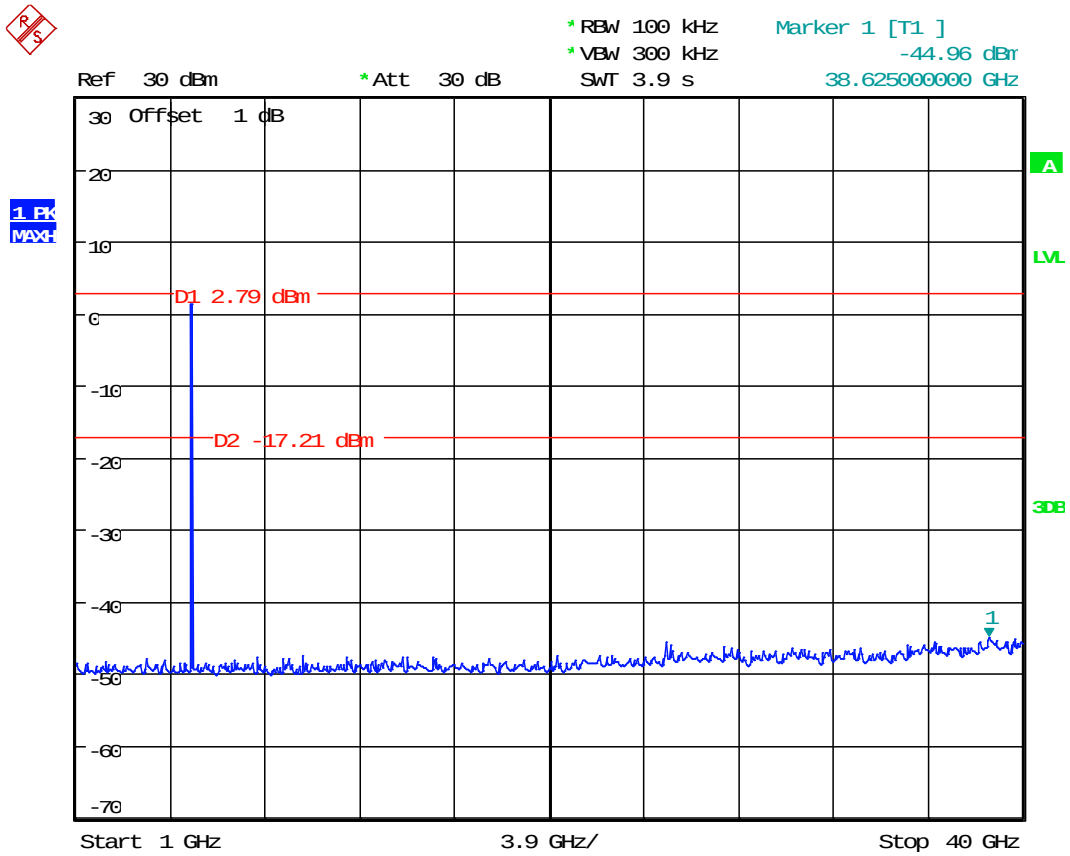




2.9 11AC20_149







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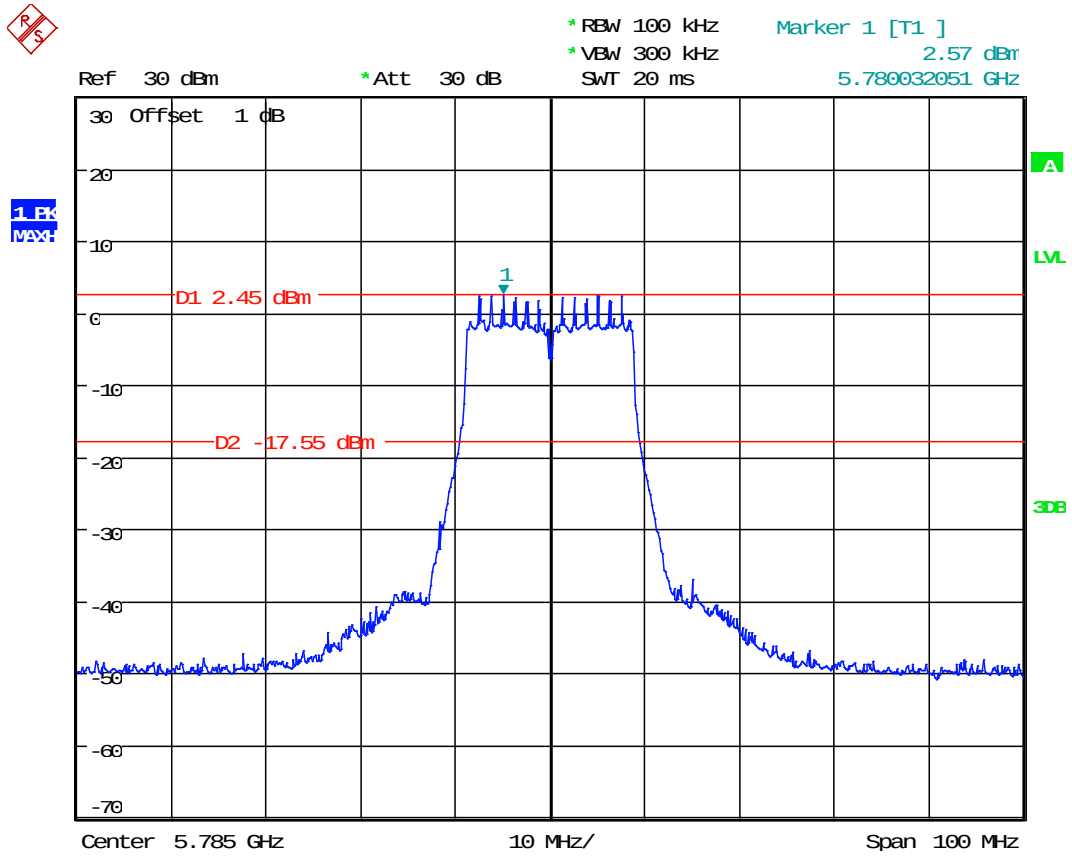

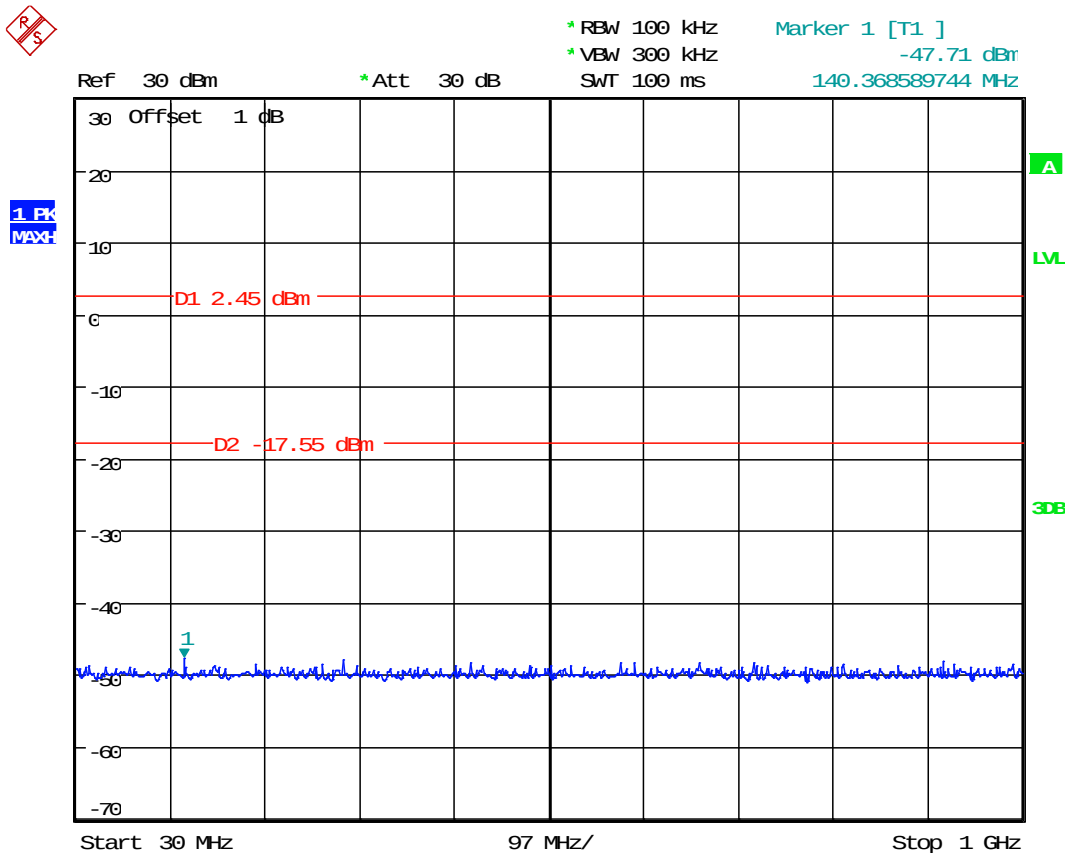

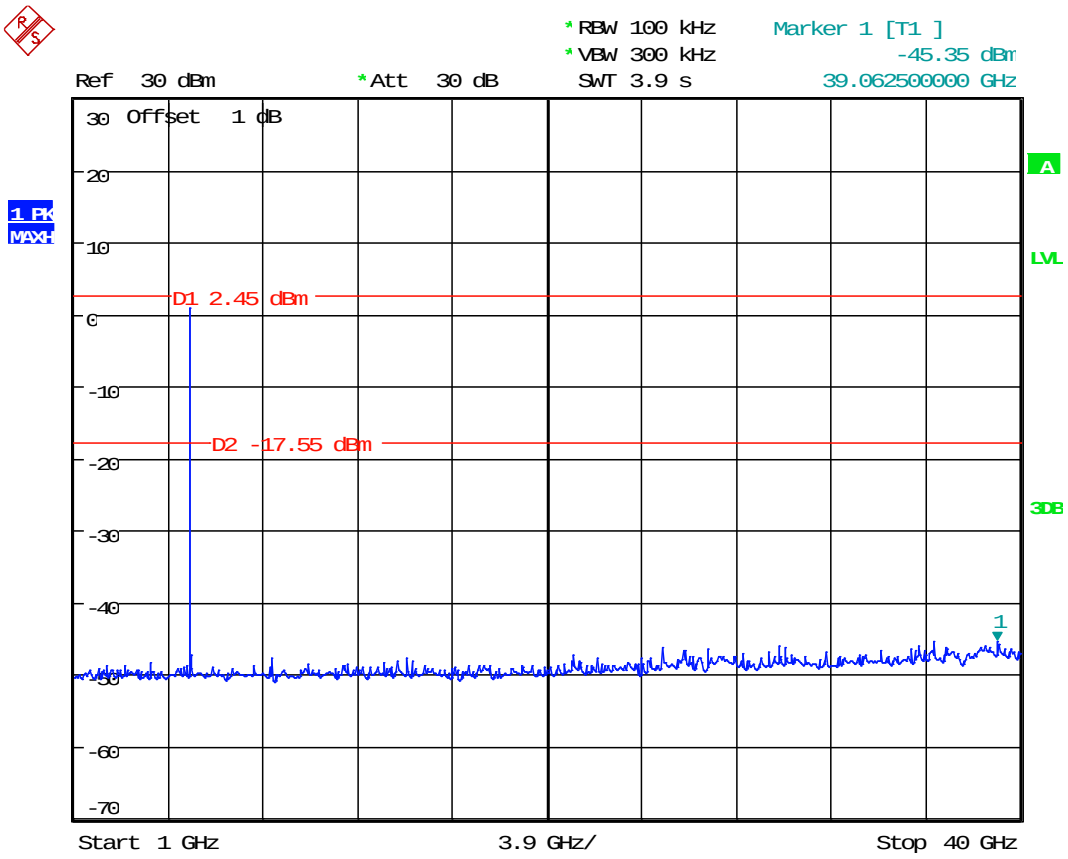

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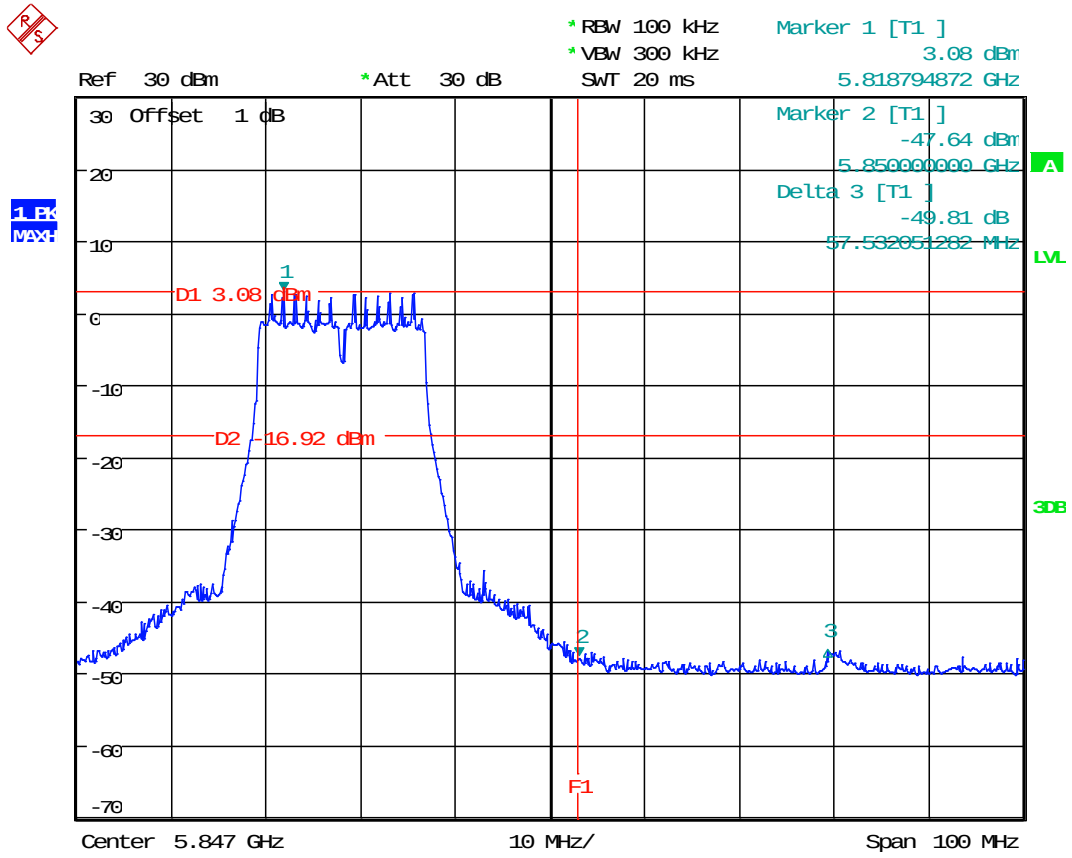

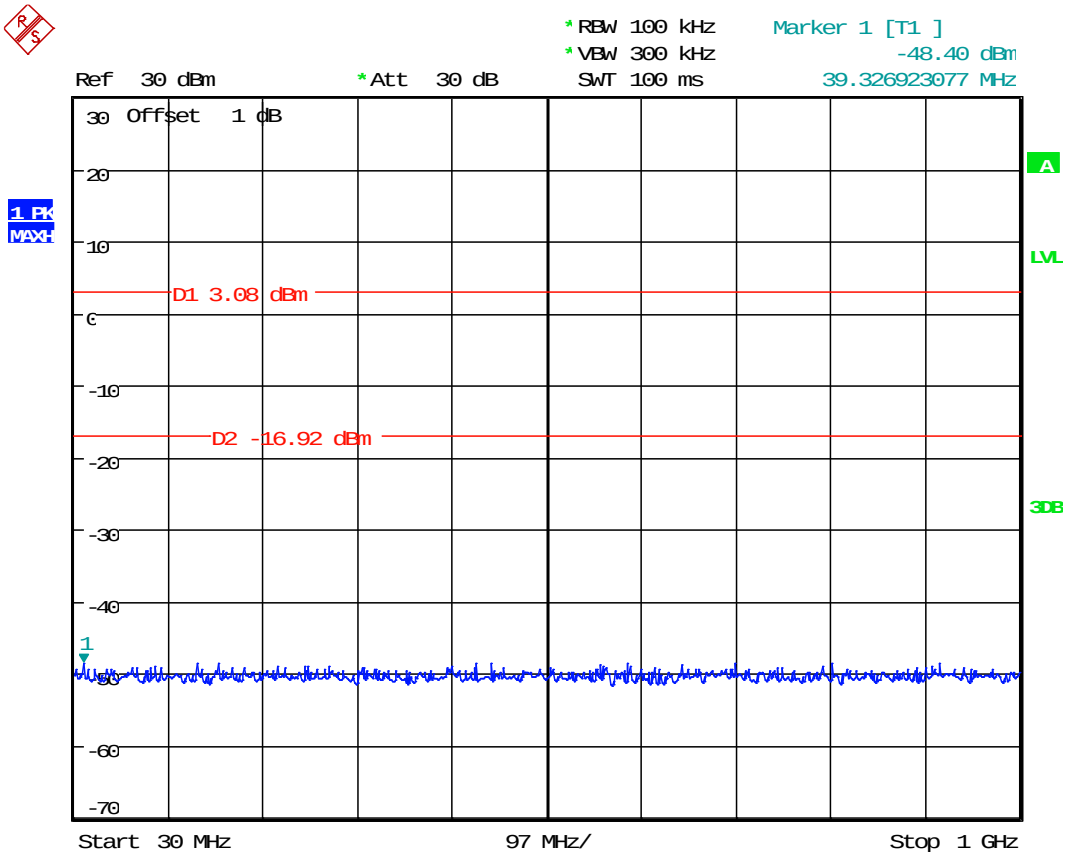

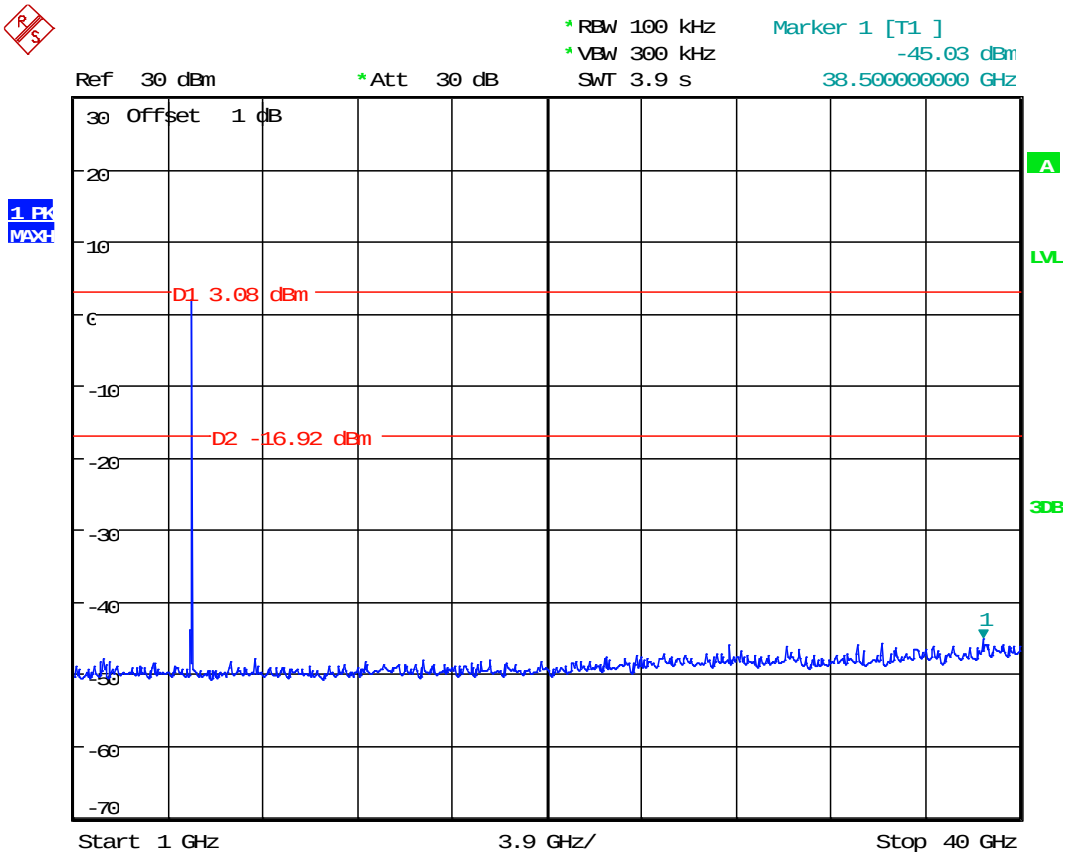

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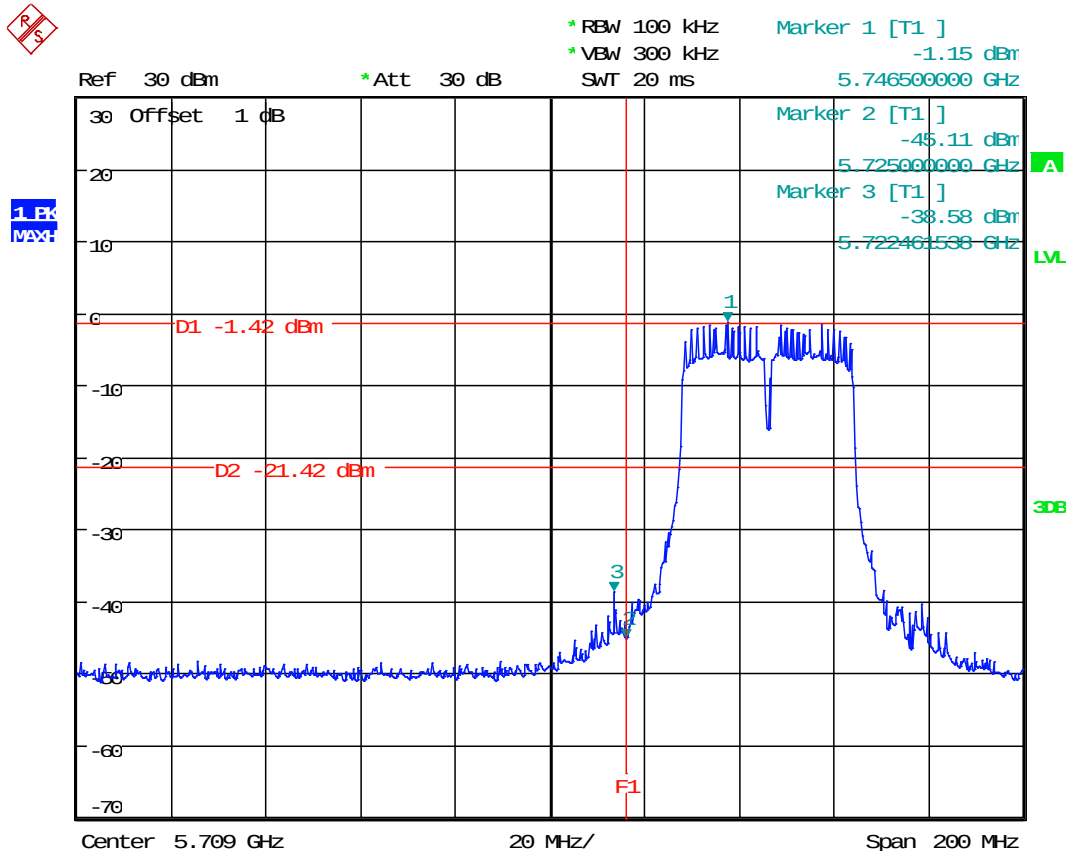

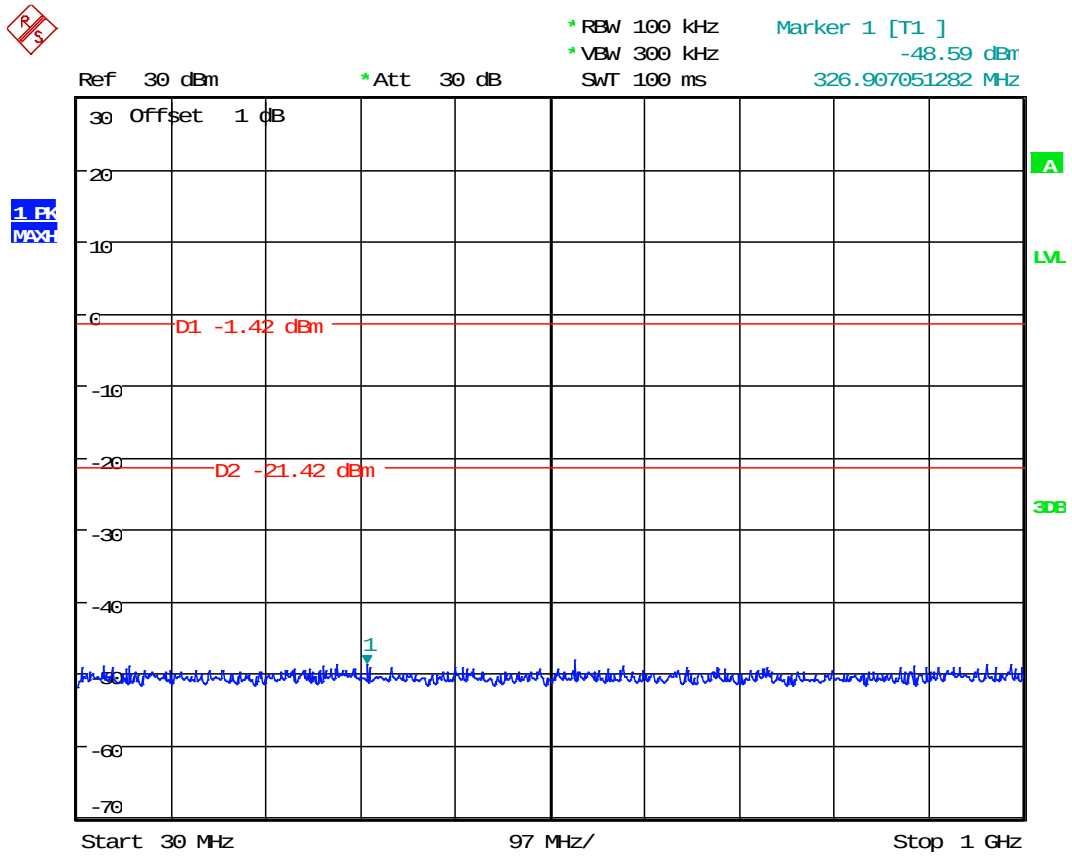

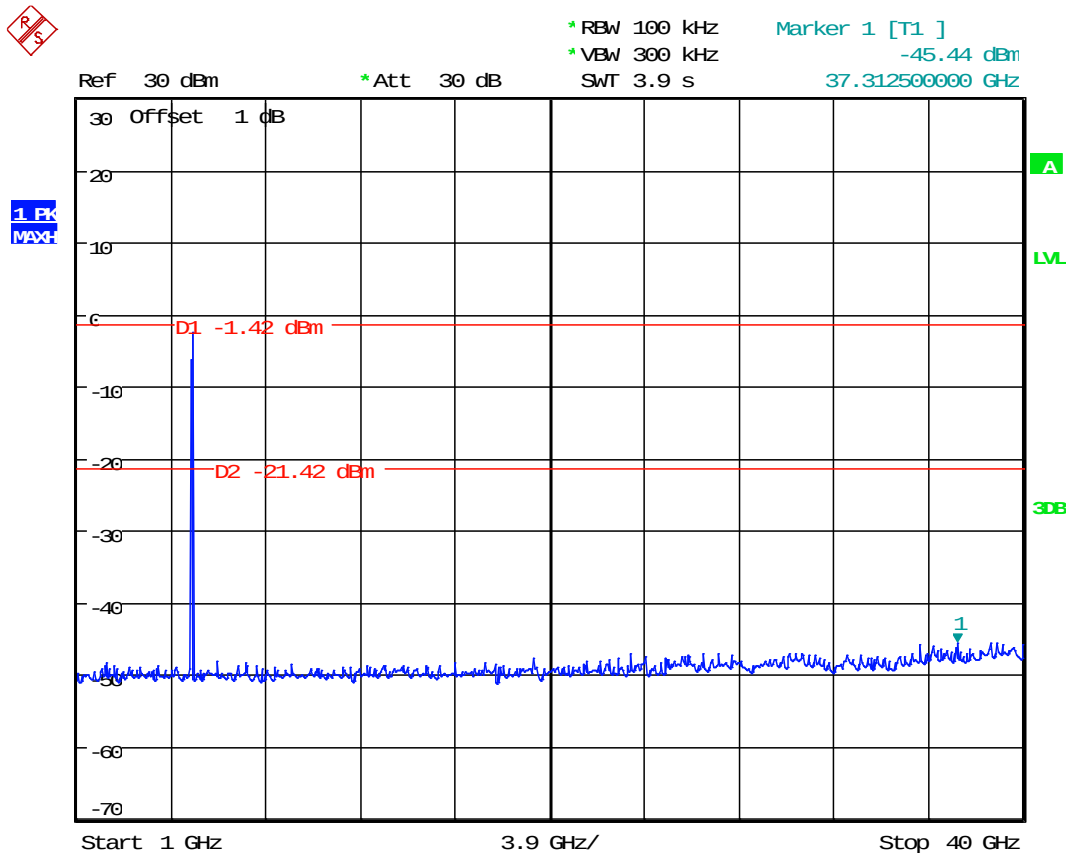

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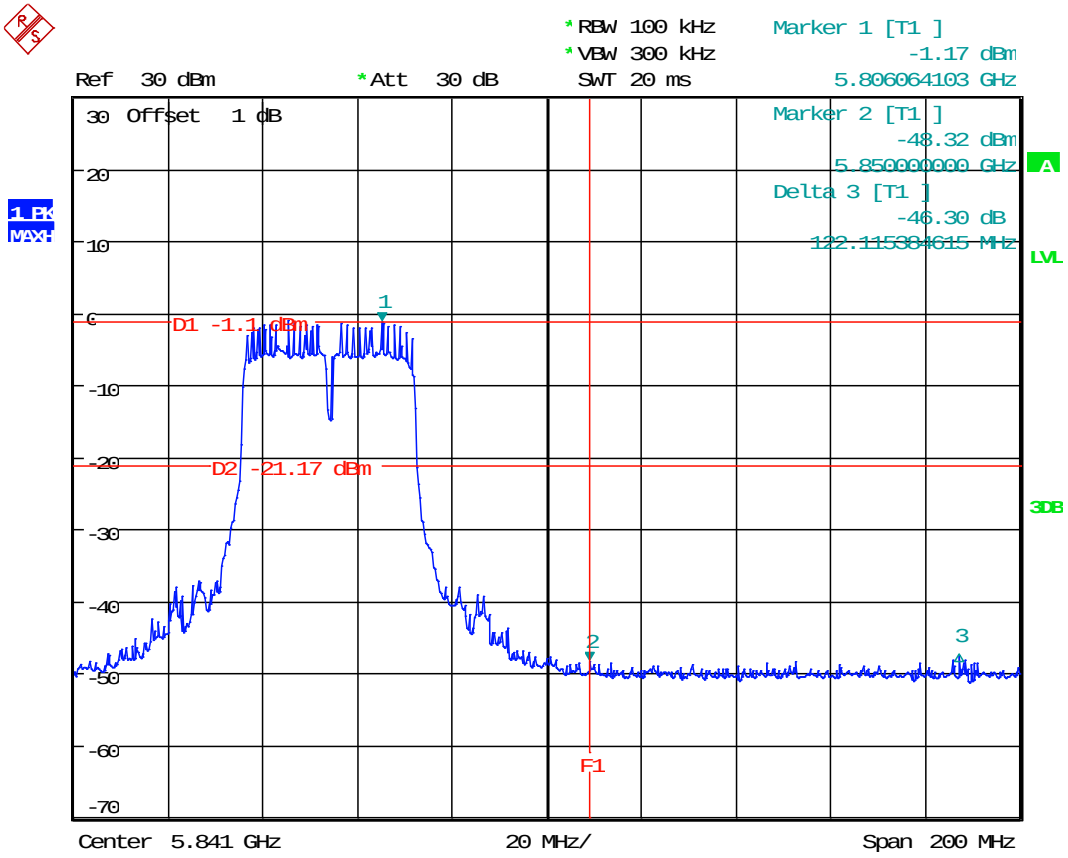

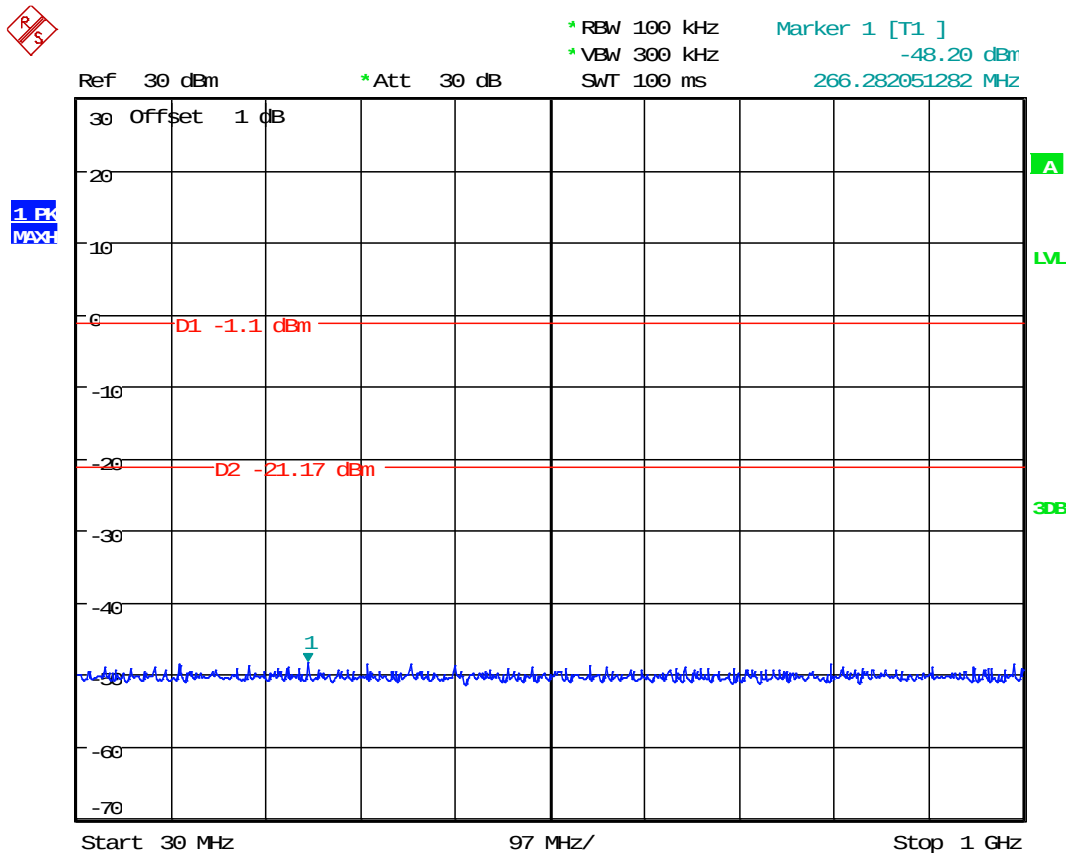

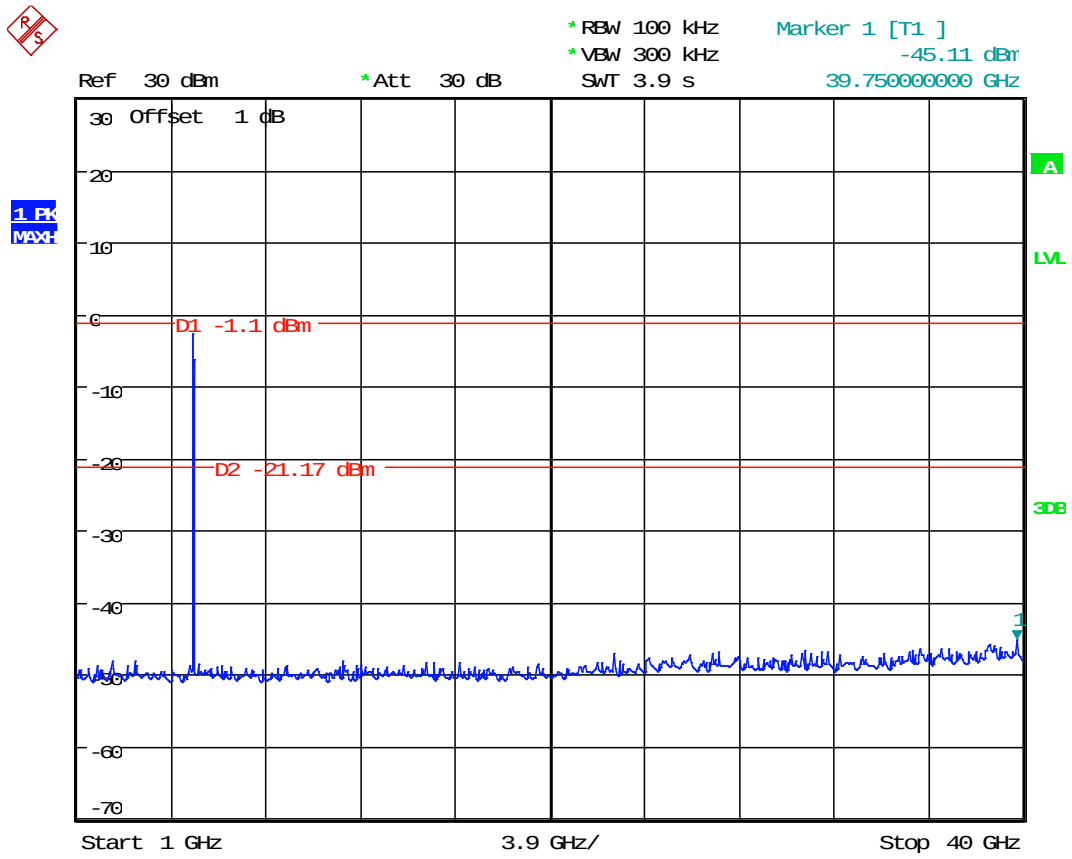

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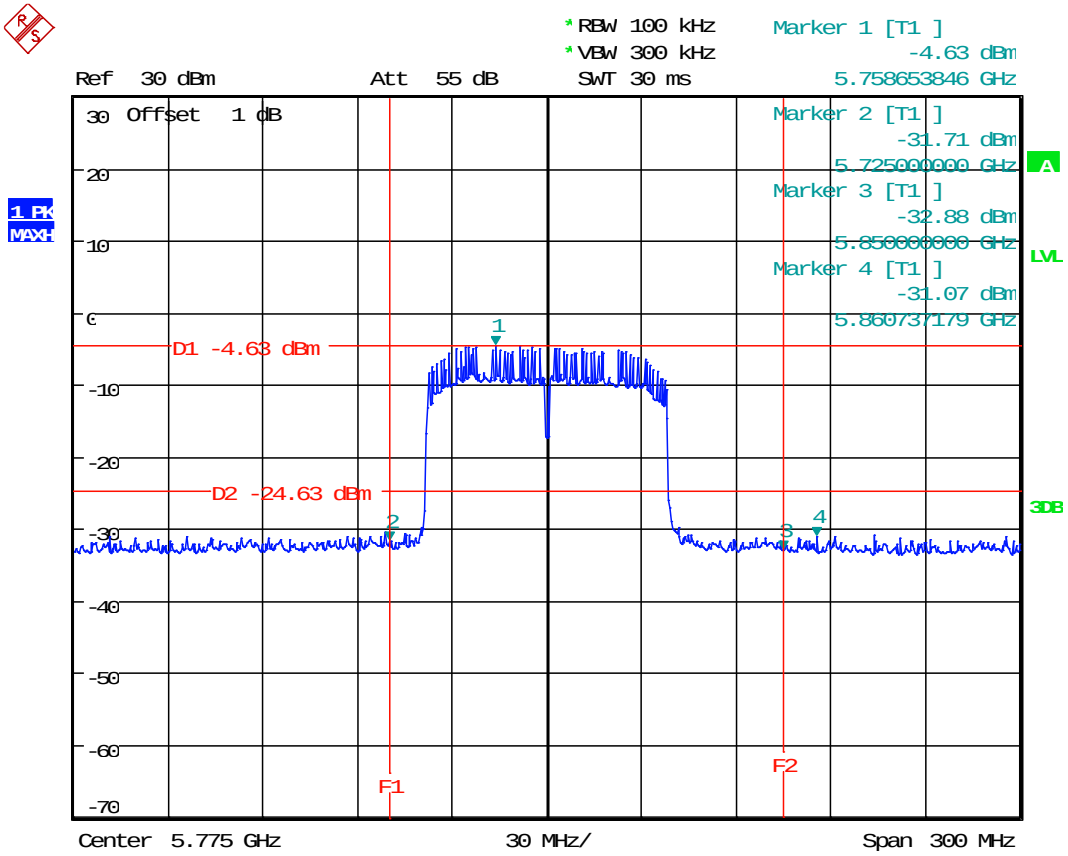
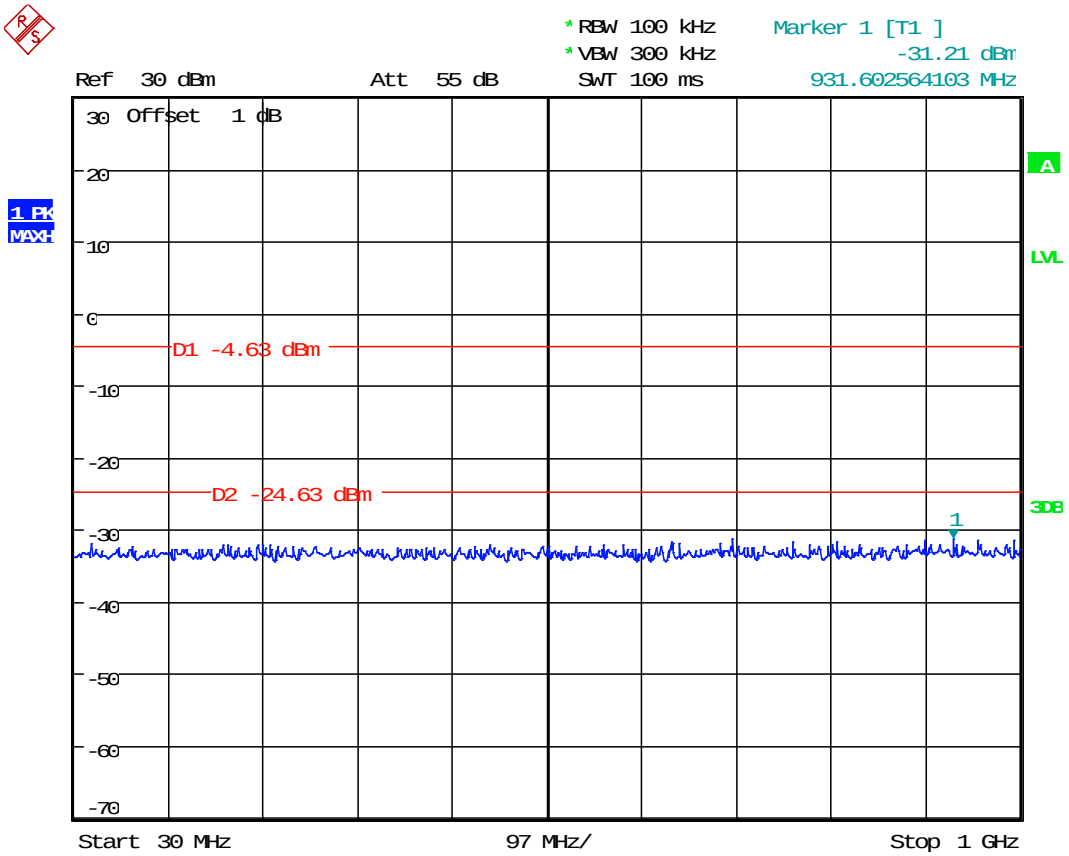
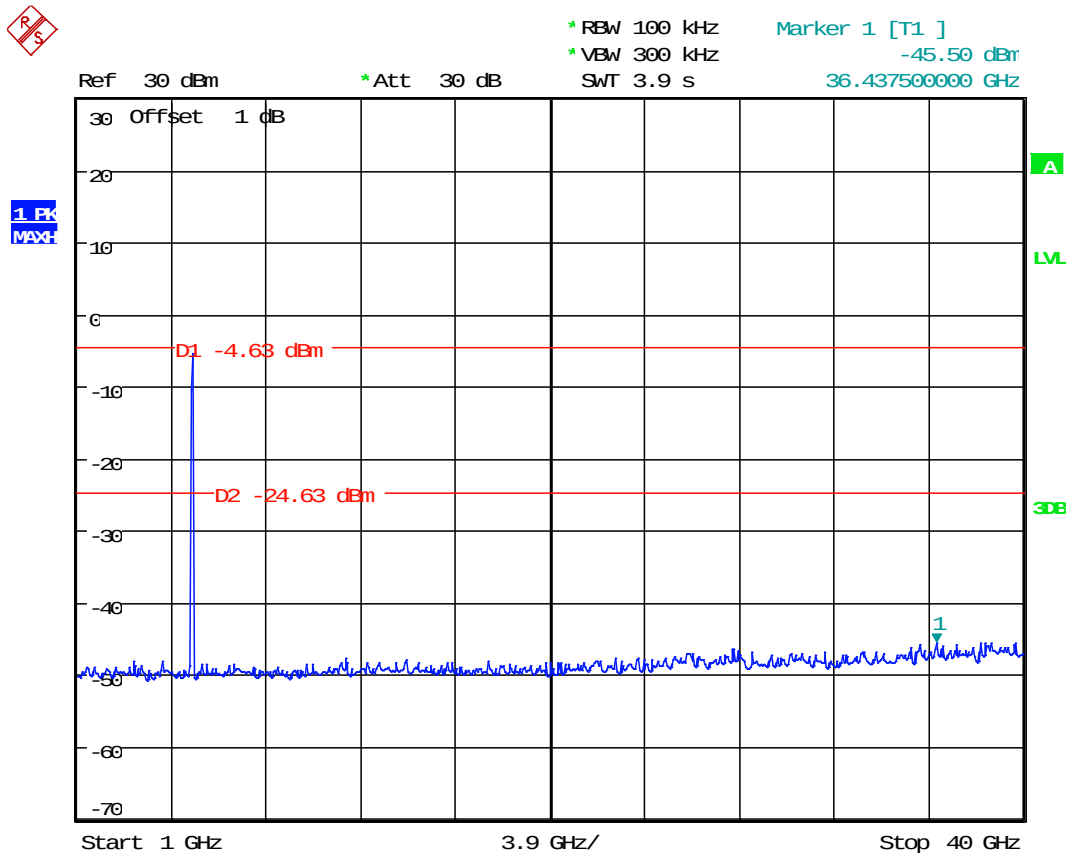
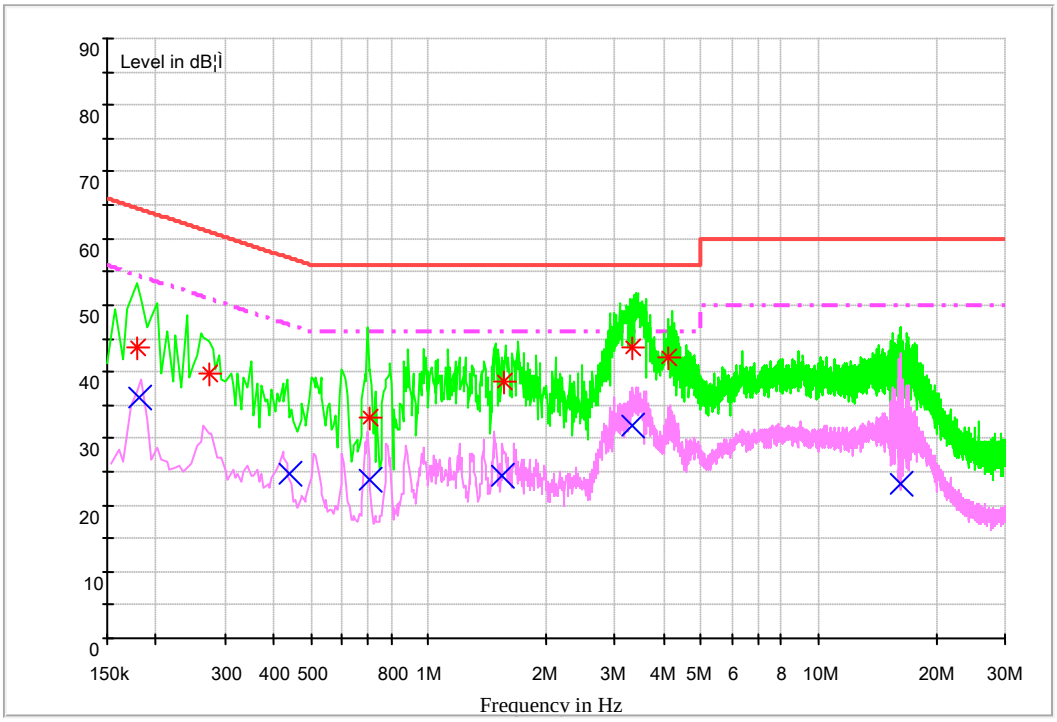






Appendix E: AC Power Line Conducted Emissions

Note: RBW =9 kHz, VBW = 30 kHz



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV	Line	Transd dB	Margin dB	Limit dBµV	PE
0.178750	43.6	L1	9.7	20.9	64.5	FLO
0.275753	39.7	N	9.7	21.2	60.9	FLO
0.709747	33.1	N	9.7	22.9	56.0	FLO
1.557248	38.4	N	9.7	17.6	56.0	FLO
3.343080	43.5	N	9.7	12.5	56.0	FLO
4.134686	42.1	L1	9.8	13.9	56.0	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV	Line	Transd dB	Margin dB	Limit dBµV	PE
0.181235	36.1	L1	9.7	18.3	54.4	FLO
0.439800	24.8	N	9.7	22.3	47.1	FLO
0.704077	23.9	L1	9.7	22.1	46.0	FLO
1.542900	24.2	N	9.7	21.8	46.0	FLO
3.327859	31.9	N	9.7	14.1	46.0	FLO
16.161829	23.1	N	10.1	26.9	50.0	FLO

END