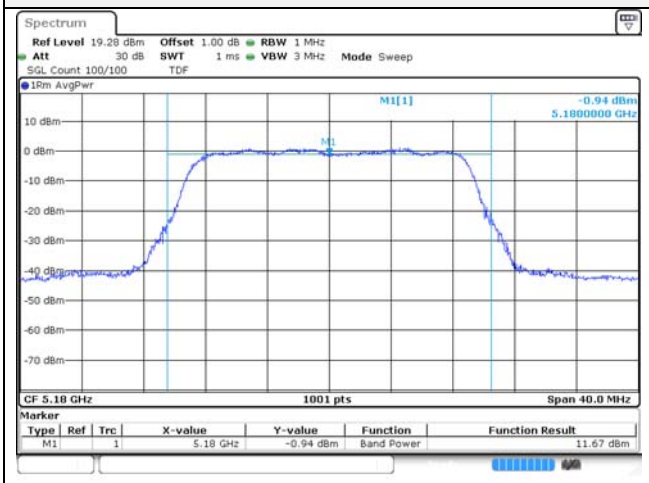
UNII-1 / 802.11n HT20 / 5 180 ㎒



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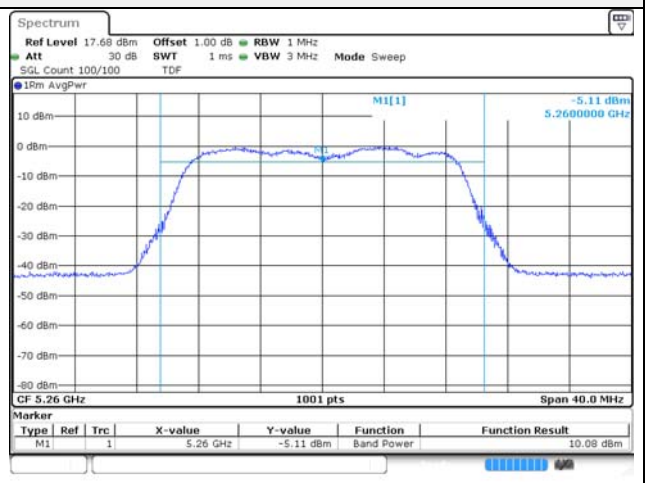

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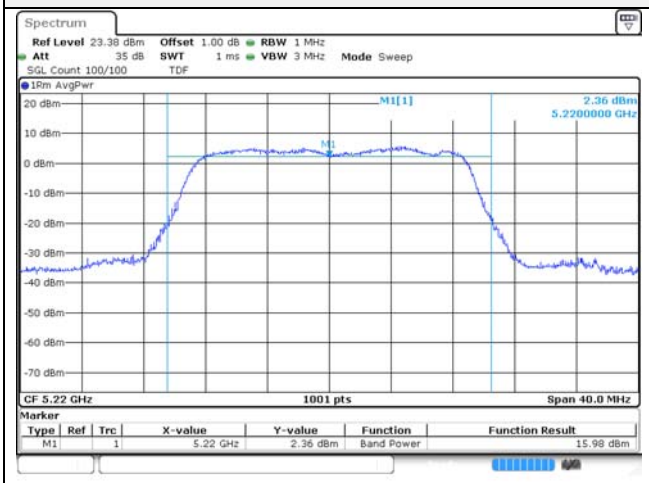

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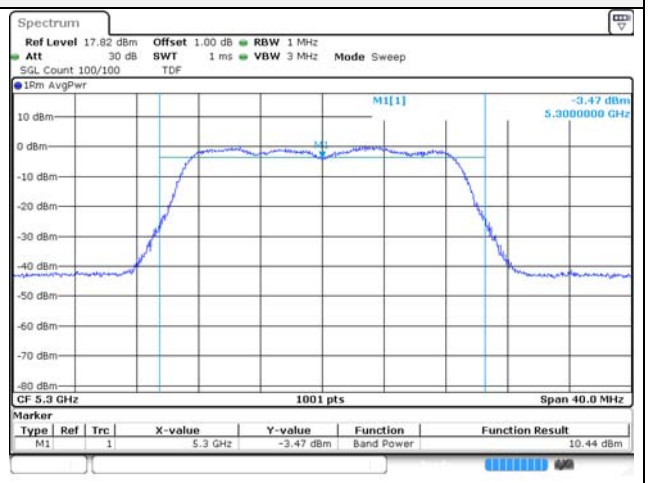

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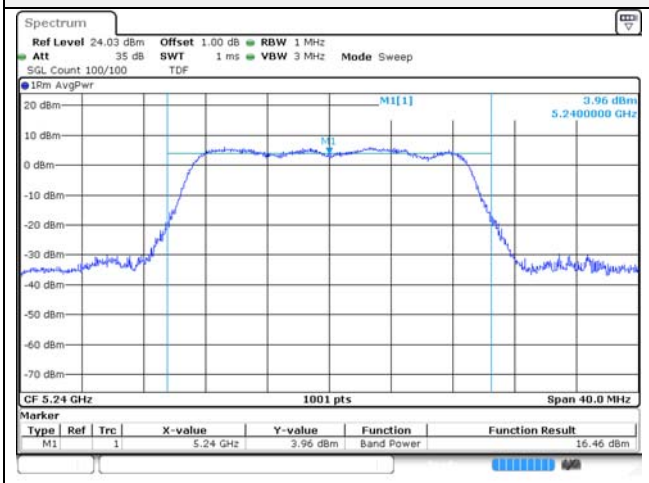

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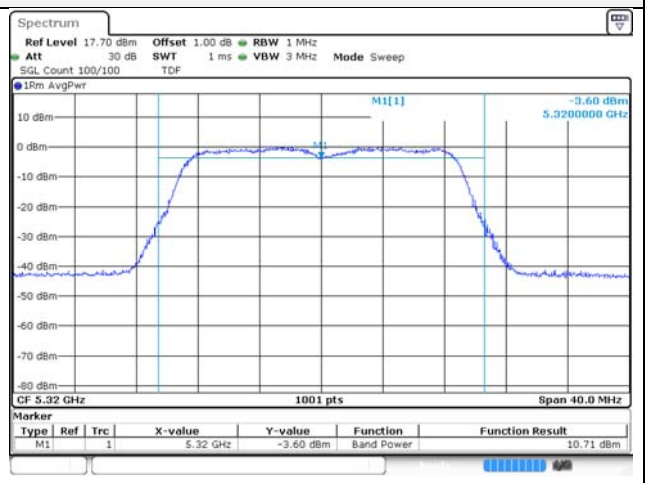

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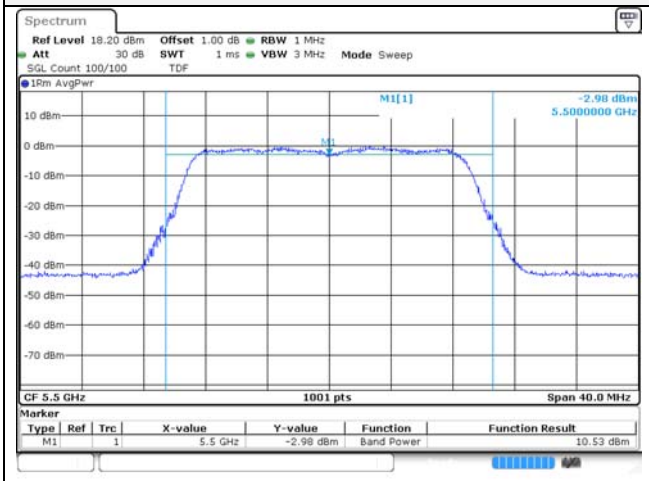

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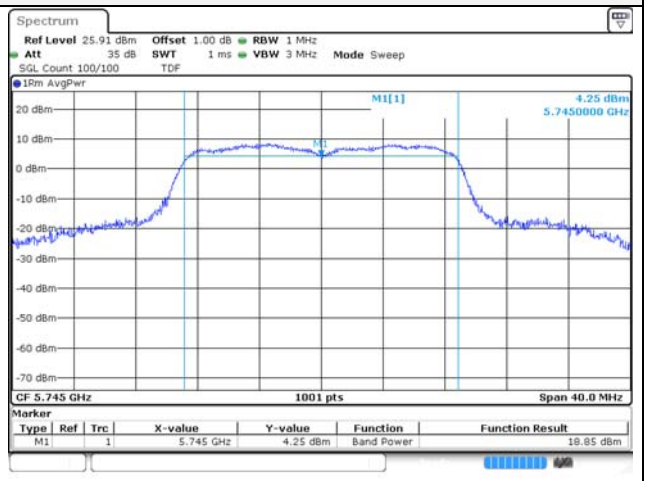

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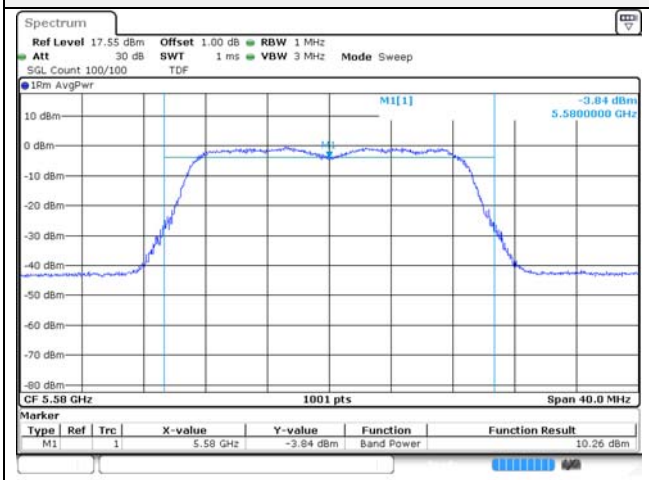

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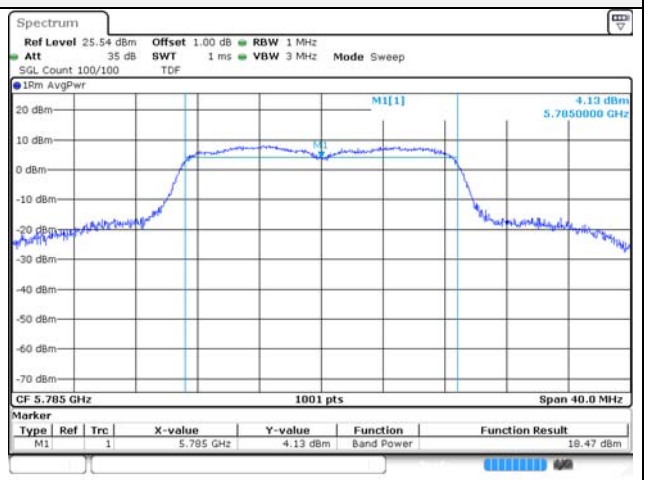

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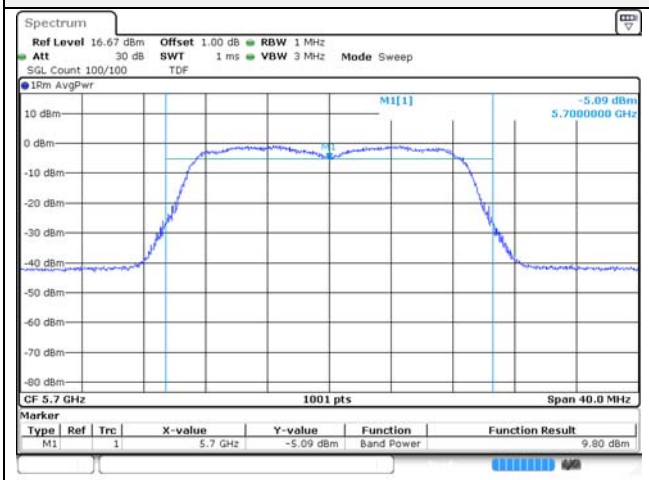

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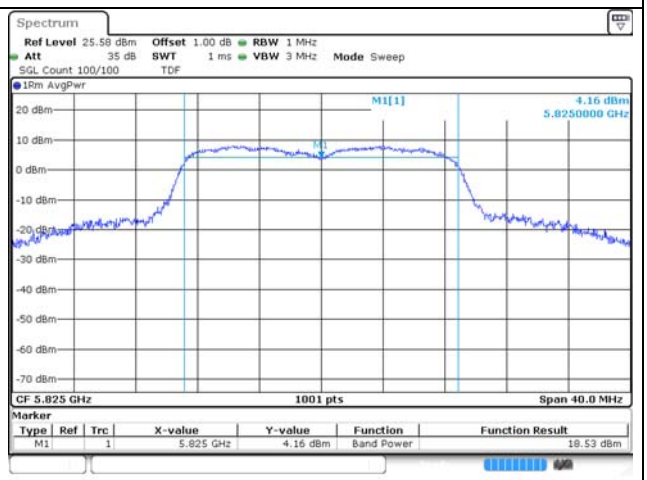

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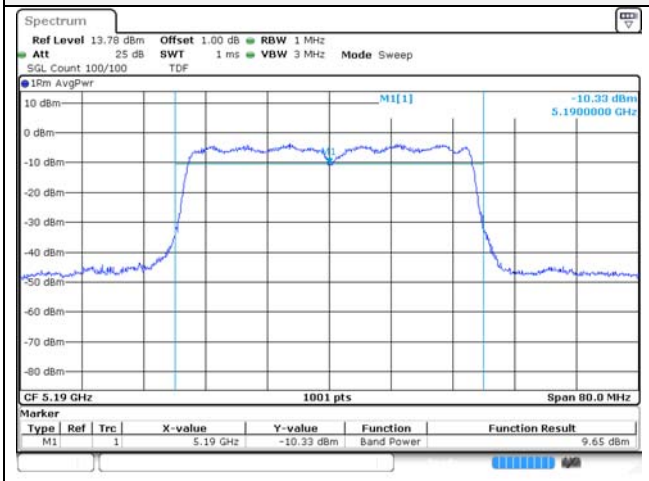	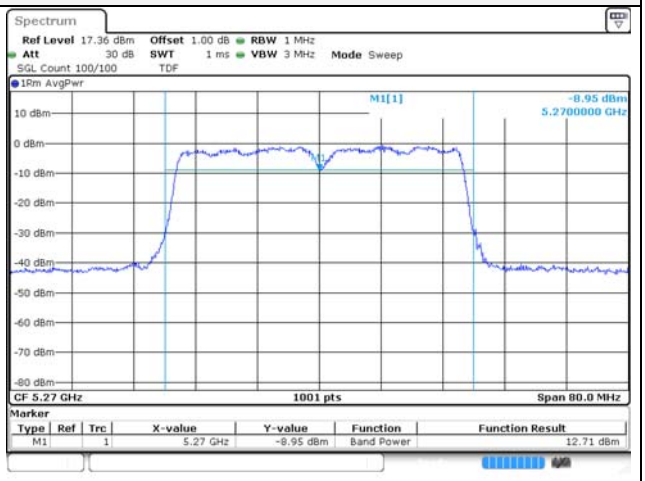
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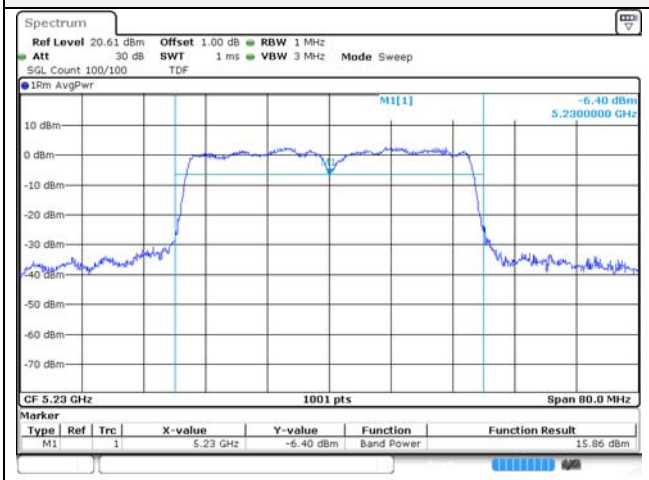	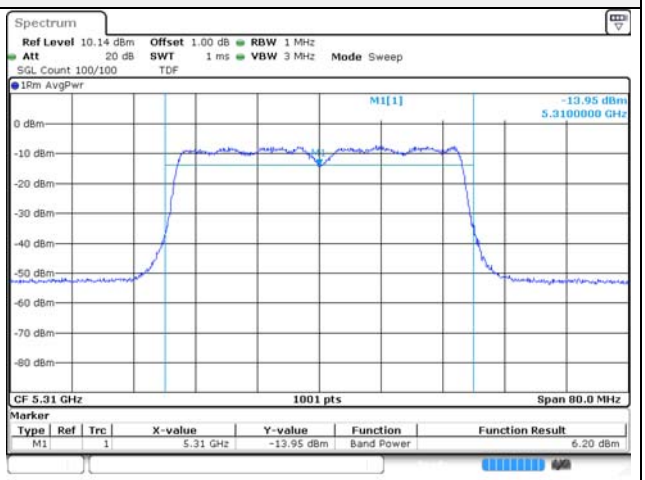

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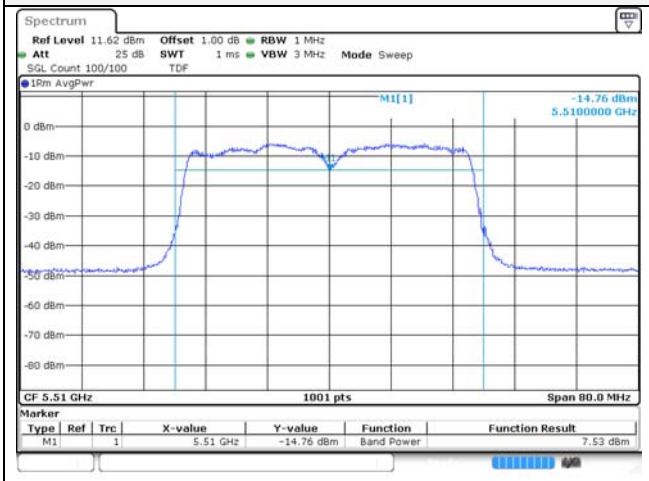	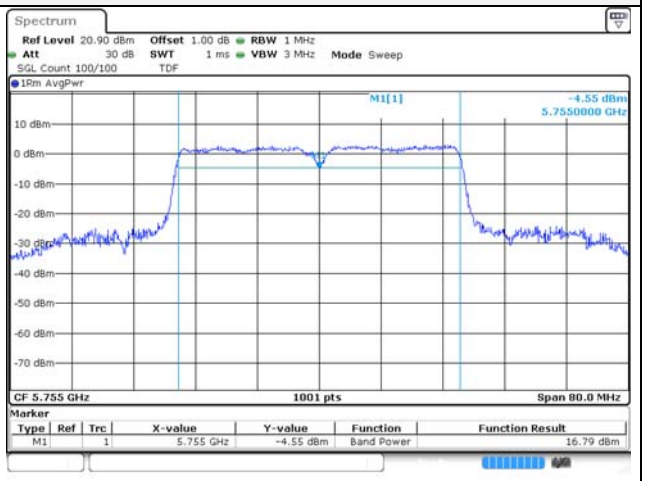
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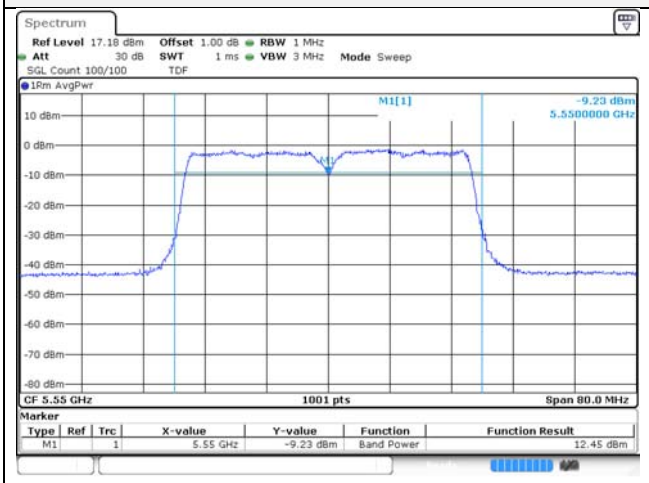	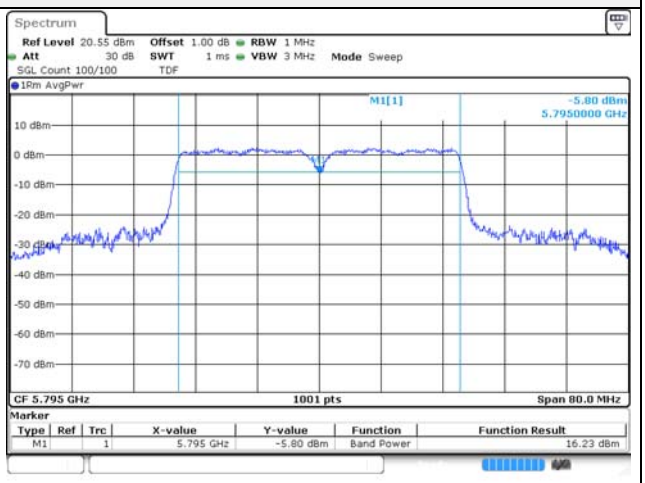
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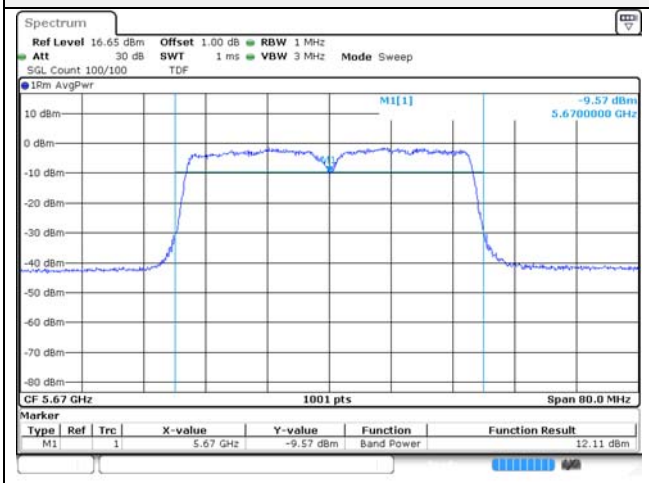	Blank

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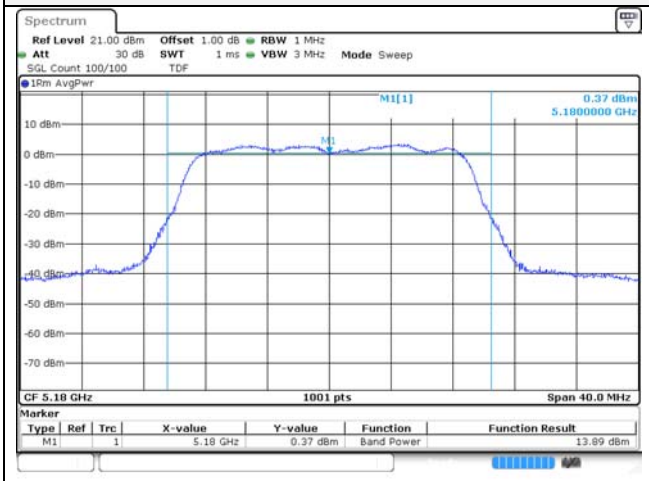

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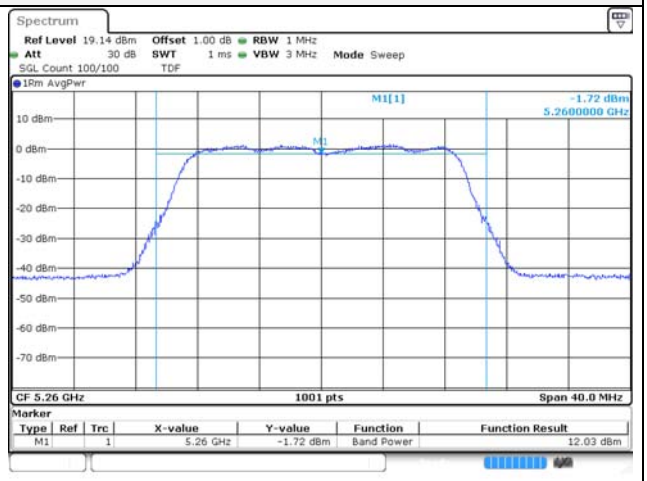

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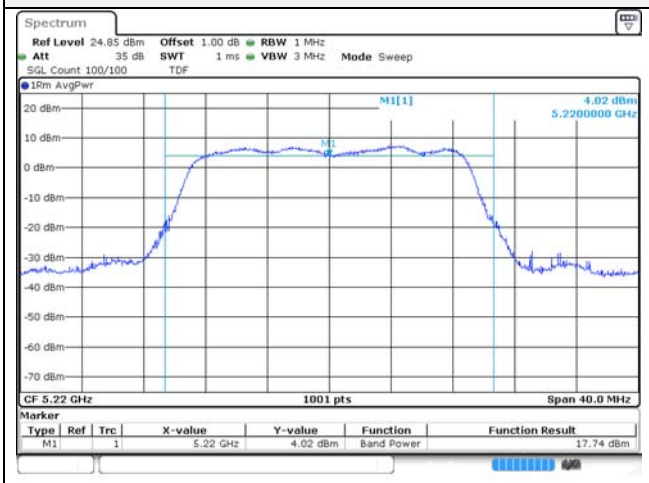

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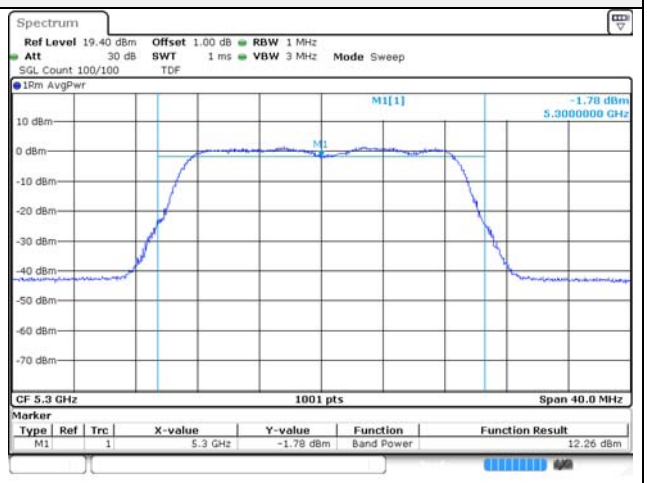

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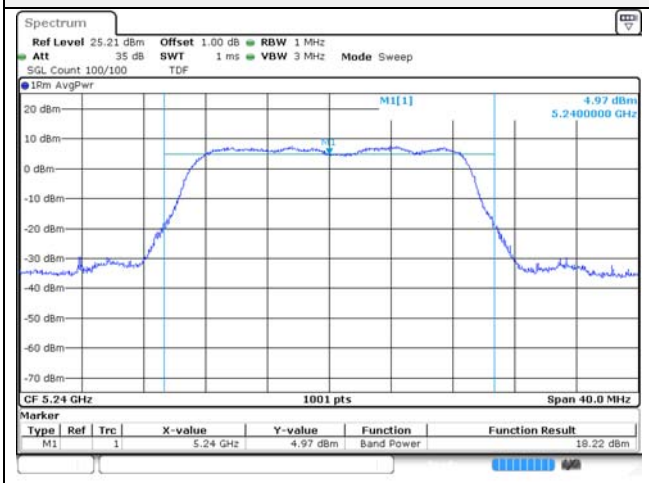

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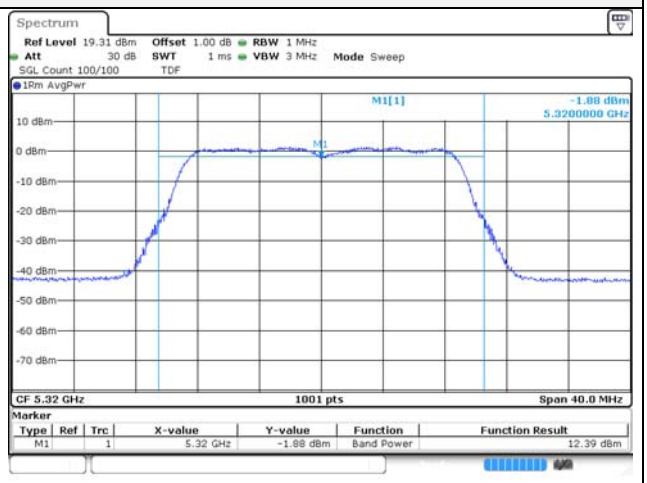

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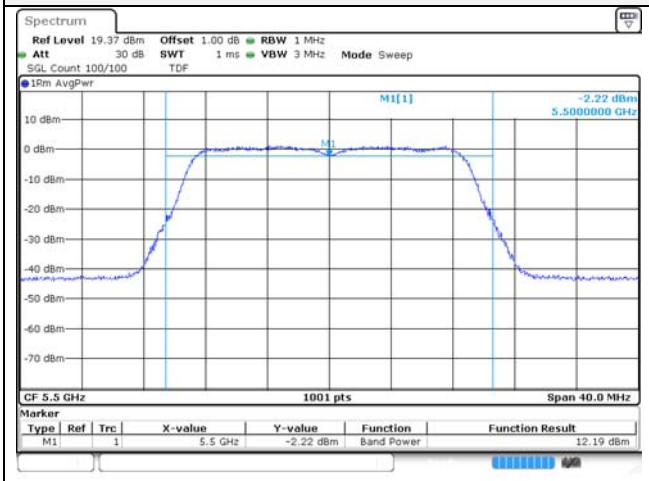

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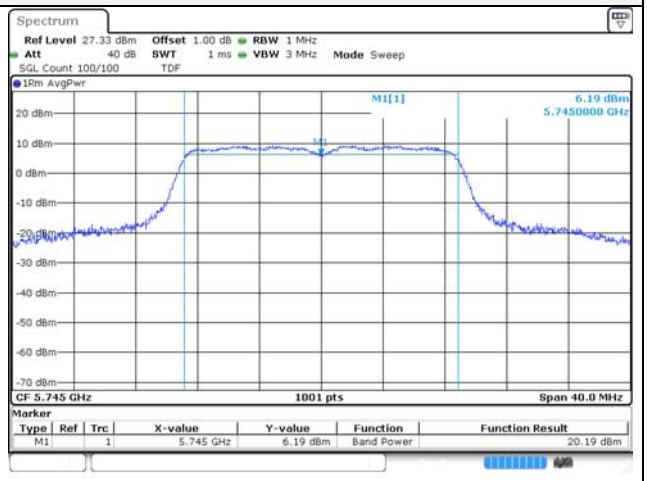

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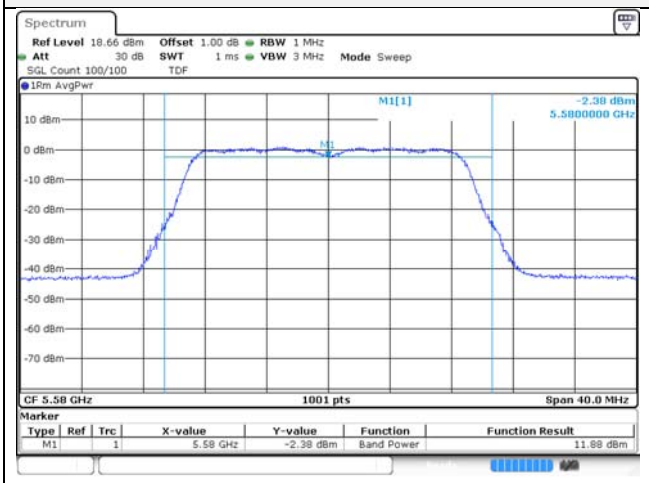

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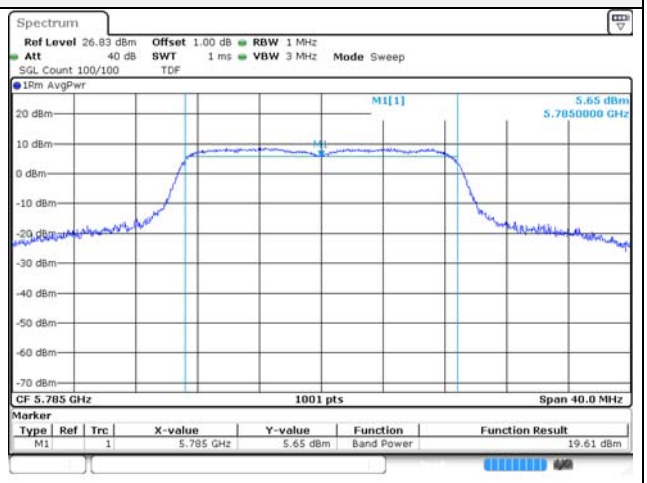

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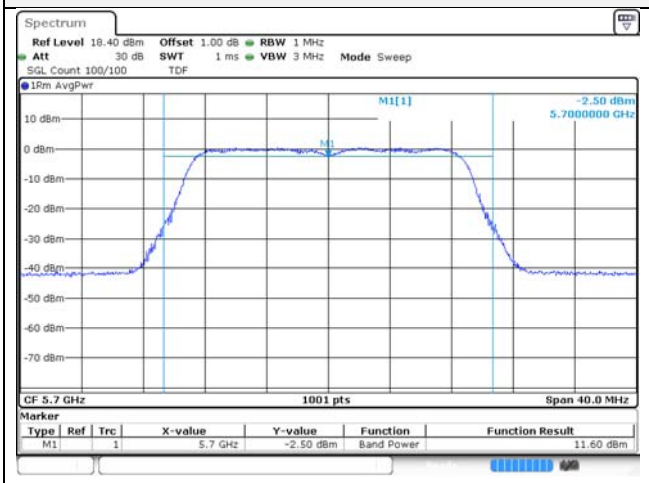

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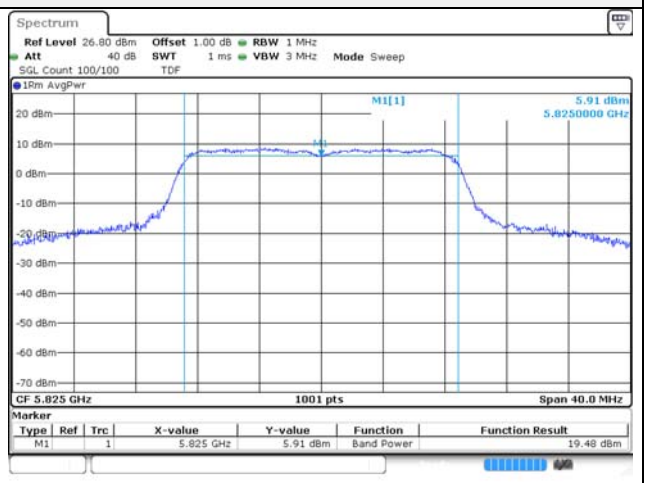

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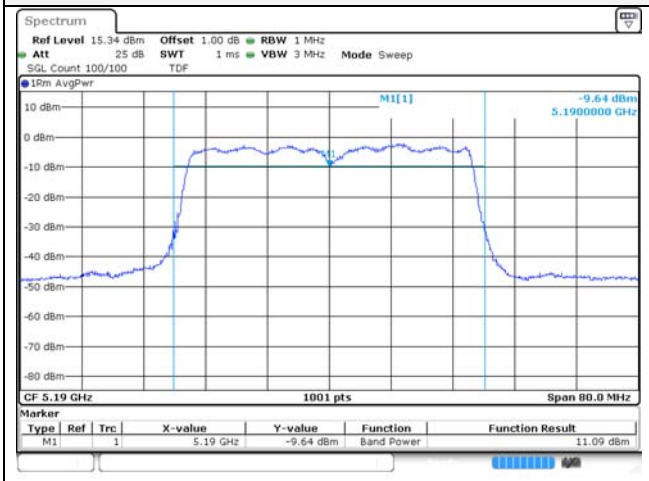	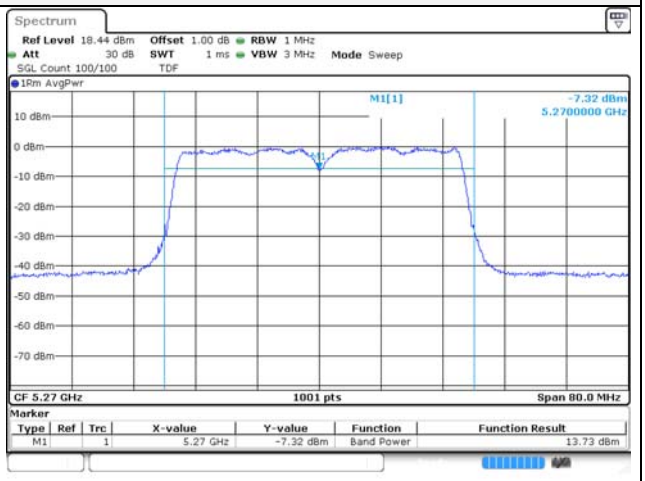
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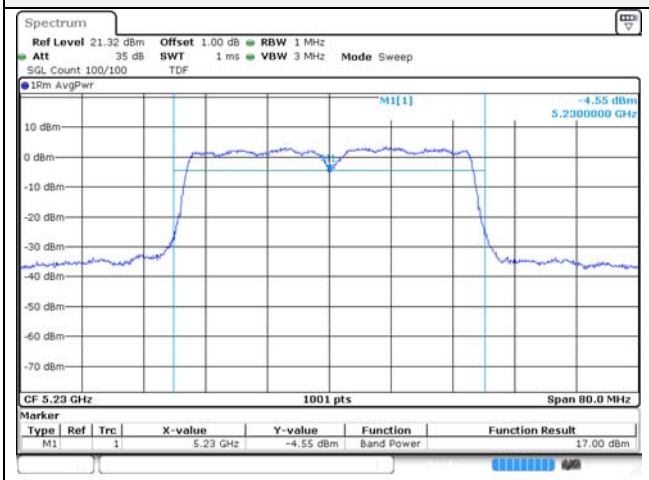	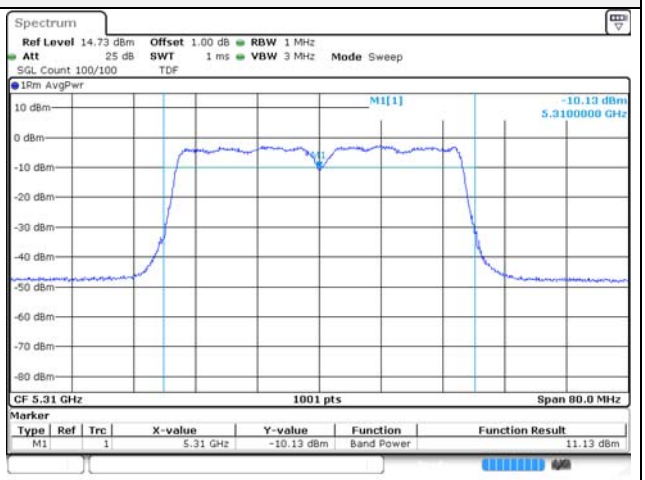

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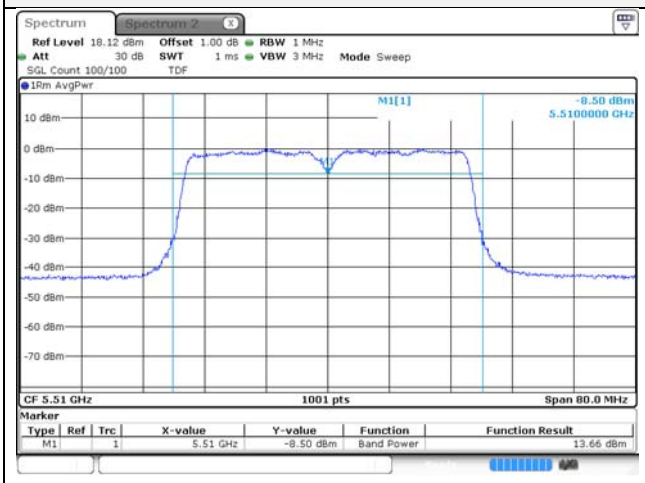	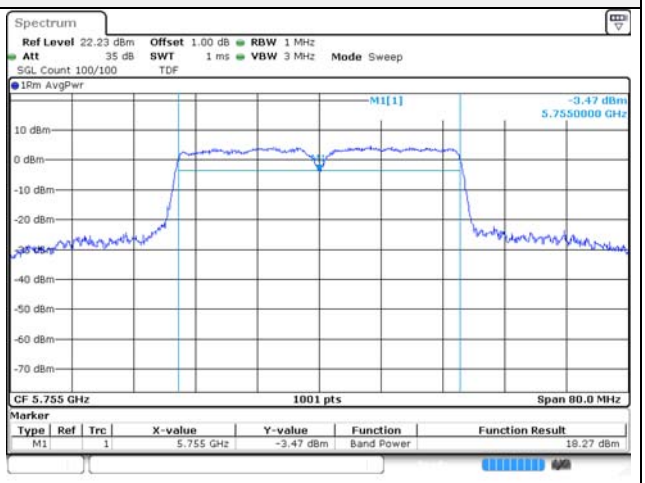
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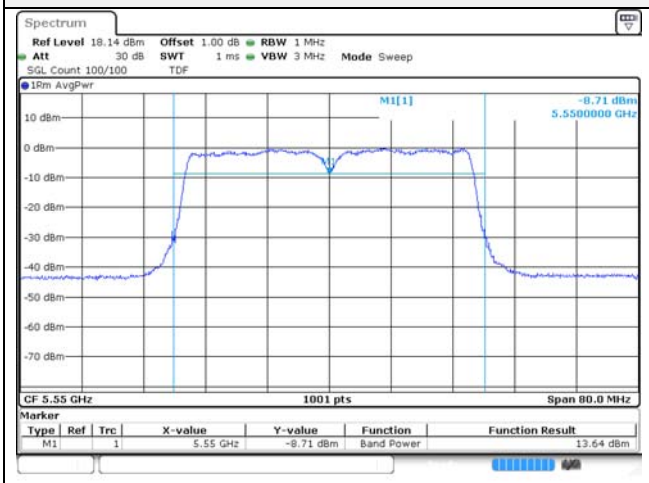	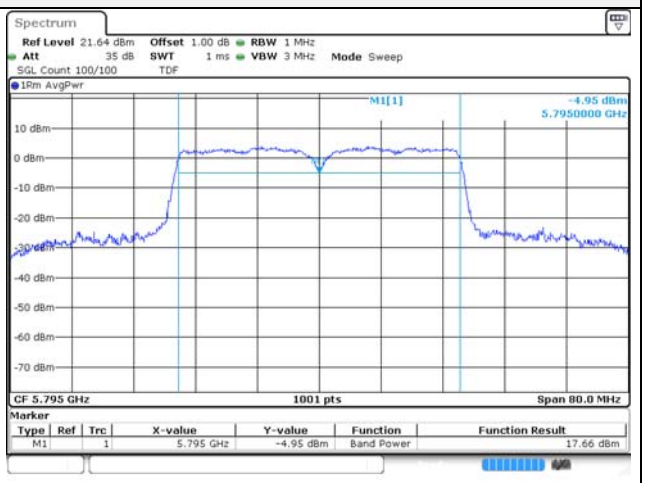
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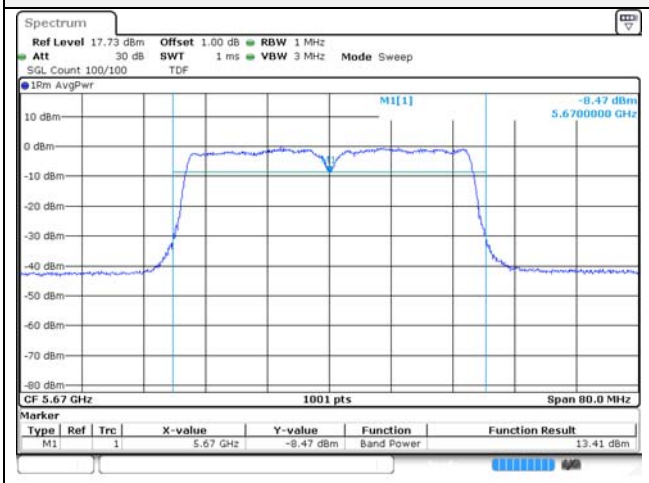	Blank

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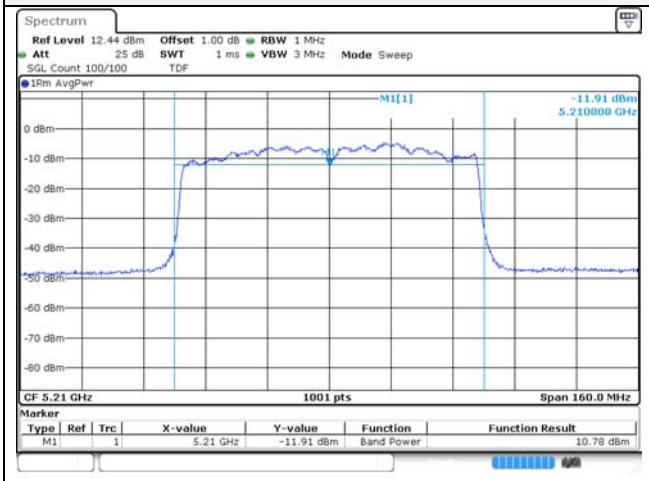	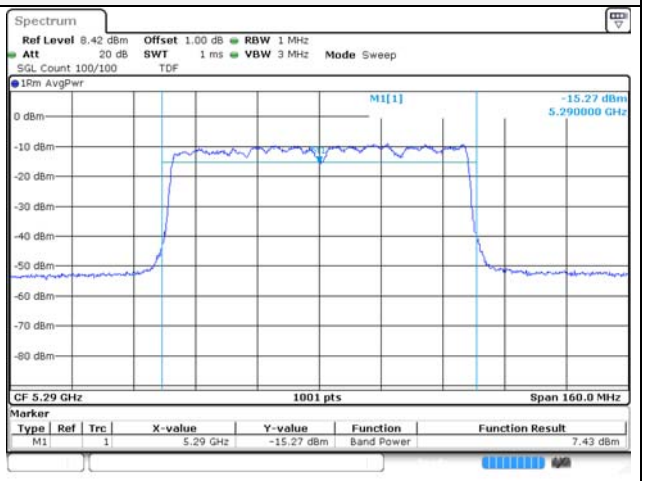
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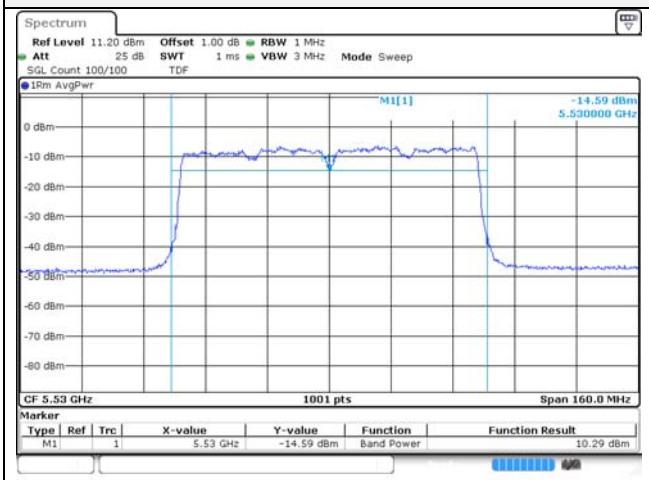	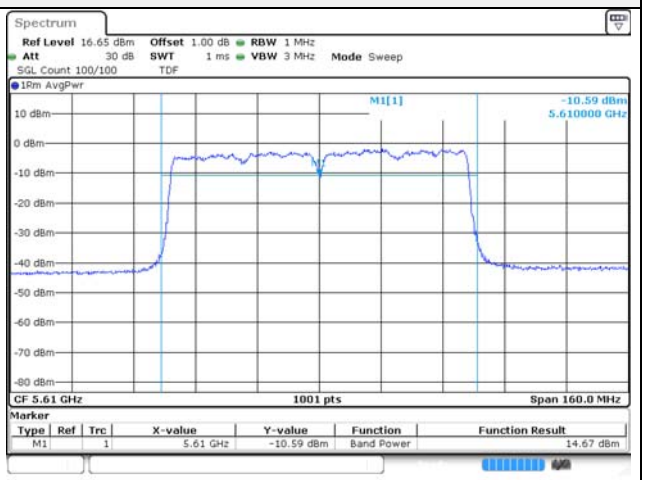
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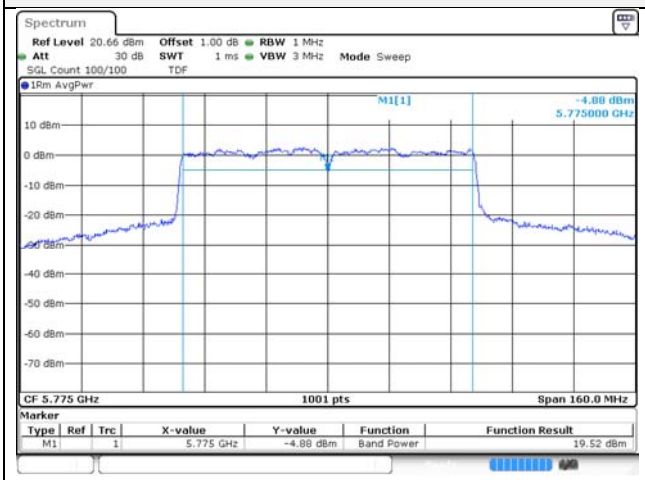
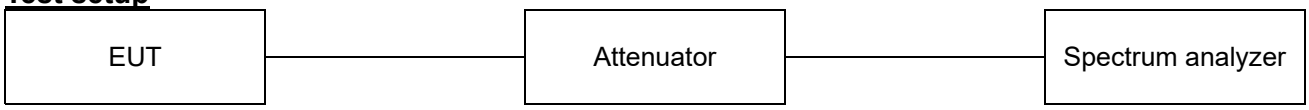
	Blank

7.2. Maximum Power Spectral Density

Test setup



Limit

According to §15.407(a)

Band	EUT category		Limit
UNII-1		Outdoor access point	17 dBm/㎒
	√	Indoor access point	
		Fixed point-to-point access point	
		Client device	11 dBm/㎒
UNII-2A	√		11 dBm/㎒
UNII-2C	√		11 dBm/㎒
UNII-3	√		30 dBm/500 ㎑

Notes:

If transmitting antennas of directional gain greater than 6 dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain if the antenna exceed 6 dBi

Test procedure

KDB 789033 D02 v02r01 - Section F
KDB 662911 D01 v02r01 - Section E). 2)
ANSI C63.10-2013

Test settings

Section F

The rules requires “maximum power spectral density” measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission. Refer to III.A for additional guidance for devices that use channel aggregation.

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled,
   “Compute power….” (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Search function on the instrument to find the peak of the spectrum and record its value.
3. Adjustments to the peak value of the spectrum, if applicable:

   a) If Method SA-2 or SA-2 Alternative was used, add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum.
   b) If Method SA-3 Alternative was used and the linear mode was used in II.E.2.g) (viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 ㎒ reference bandwidth
5. For devices operating in the bands 5.15-5.25 ㎓, 5.25-5.35 ㎓, and 5.47-5.725 ㎓, the preceding procedures make use of 1 ㎒ RBW to satisfy directly the 1 ㎒ reference

bandwidth specified in Section 15.407(a)(5). For devices operating in the band 5.725-5.85 ㎓, the rules specify a measurement bandwidth of 500 ㎑. Many spectrum analyzers do not have 500 ㎑ RBW, thus a narrower RBW may need to be used. The rules permit the use of RBWs less than 1 ㎒, or 500 ㎑, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 ㎒, or 500 ㎑). If measurements are performed using a reduced resolution bandwidth (< 1 ㎒, or < 500 ㎑) and integrated over 1 ㎒, or 500 ㎑ bandwidth, the following adjustments to the procedures apply:

a) Set RBW ≥ 1/T, where T is defined in II.B.I.a).
b) Set VBW ≥ 3 RBW.
c) If measurement bandwidth of Maximum PSD is specified in 500 ㎑, add 10 log (500 ㎑ /RBW) to the measured result, whereas RBW (< 500 ㎑) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
d) If measurement bandwidth of Maximum PSD is specified in 1 ㎒, add 10 log (1 ㎒/RBW) to the measured result, whereas RBW (< 1 ㎒) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Notes:

1. As a practical matter, it is recommended to use reduced RBW of 100 ㎑ for the II.F.5.c) and II.F.5.d), since RBW = 100 ㎑ is available on nearly all spectrum analyzers.

Test results

SISO

Test mode	Band	Frequency (㎒)	Maximum Power Spectral Density									
			Reading ANT 0 (dBm/㎒)	Reading ANT 1 (dBm/㎒)	Reading ANT 2 (dBm/㎒)	Reading ANT 3 (dBm/㎒)	DCF (dB)	Result ANT 0 (dBm/㎒) [1]	Result ANT 1 (dBm/㎒) [1]	Result ANT 2 (dBm/㎒) [1]	Result ANT 3 (dBm/㎒) [1]	Limit (dBm/㎒)
11a	UNII 1	5 180	2.20	2.41	0.94	-0.11	2.64	4.84	5.05	3.58	2.53	17.00
		5 220	8.86	9.45	8.34	7.57		11.50	12.09	10.98	10.21	
		5 240	9.01	9.85	9.18	8.15		11.65	12.49	11.82	10.79	
	UNII 2A	5 260	6.92	7.43	7.02	5.68		9.56	10.07	9.66	8.32	11.00
		5 300	6.82	7.90	7.04	6.11		9.46	10.54	9.68	8.75	
		5 320	-1.07	0.35	-0.37	-1.77		1.57	2.99	2.27	0.87	
	UNII 2C	5 500	1.91	3.71	3.30	1.79		4.55	6.35	5.94	4.43	11.00
		5 580	6.38	7.44	7.51	5.73		9.02	10.08	10.15	8.37	
		5 700	5.50	6.73	6.54	5.20		8.14	9.37	9.18	7.84	
11n HT20	UNII 1	5 180	2.33	2.99	1.83	1.11	2.28	4.61	5.27	4.11	3.39	17.00
		5 220	7.51	8.33	7.28	6.97		9.79	10.61	9.56	9.25	
		5 240	7.94	8.51	7.67	6.63		10.22	10.79	9.95	8.91	
	UNII 2A	5 260	6.20	7.86	6.74	5.90		8.48	10.14	9.02	8.18	11.00
		5 300	6.34	8.20	7.23	6.40		8.62	10.48	9.51	8.68	
		5 320	0.06	1.99	1.06	-0.06		2.34	4.27	3.34	2.22	
	UNII 2C	5 500	2.23	4.03	2.94	2.46		4.51	6.31	5.22	4.74	11.00
		5 580	6.41	8.02	7.21	6.41		8.69	10.30	9.49	8.69	
		5 700	6.35	6.33	6.68	5.02		8.63	8.61	8.96	7.30	
11n HT40	UNII 1	5 190	-3.14	-1.23	-4.21	-2.29	2.61	-0.53	1.38	-1.60	0.32	17.00
		5 230	3.47	4.73	3.71	3.06		6.08	7.34	6.32	5.67	
	UNII 2A	5 270	1.74	3.60	2.34	1.46		4.35	6.21	4.95	4.07	11.00
		5 310	-5.40	-4.30	-4.65	-6.25		-2.79	-1.69	-2.04	-3.64	
	UNII 2C	5 510	-3.19	-0.85	-1.97	-3.08		-0.58	1.76	0.64	-0.47	11.00
		5 550	1.18	3.56	2.56	1.18		3.79	6.17	5.17	3.79	
		5 670	0.46	1.91	1.49	-0.39		3.07	4.52	4.10	2.22	
11ac VHT20	UNII 1	5 180	3.82	4.36	2.94	2.57	0.77	4.59	5.13	3.71	3.34	17.00
		5 220	8.88	9.60	8.50	8.04		9.65	10.37	9.27	8.81	
		5 240	9.45	10.07	8.91	8.70		10.22	10.84	9.68	9.47	
	UNII 2A	5 260	8.07	8.92	8.31	7.47		8.84	9.69	9.08	8.24	11.00
		5 300	8.08	9.26	8.55	7.46		8.85	10.03	9.32	8.23	
		5 320	3.44	4.95	4.35	3.46		4.21	5.72	5.12	4.23	
	UNII 2C	5 500	4.39	6.77	5.64	4.27		5.16	7.54	6.41	5.04	11.00
		5 580	7.66	9.64	8.91	7.68		8.43	10.41	9.68	8.45	
		5 700	7.17	7.84	7.80	6.48		7.94	8.61	8.57	7.25	
11ac VHT40	UNII 1	5 190	-2.04	0.42	-3.01	-1.68	0.89	-1.15	1.31	-2.12	-0.79	17.00
		5 230	4.80	5.62	4.70	4.18		5.69	6.51	5.59	5.07	
	UNII 2A	5 270	3.61	5.01	3.66	3.19		4.50	5.90	4.55	4.08	11.00

		5 310	-3.78	-2.48	-3.36	-3.97		-2.89	-1.59	-2.47	-3.08	
	UNII 2C	5 510	0.11	2.37	1.42	0.22		1.00	3.26	2.31	1.11	
		5 550	2.70	4.74	3.70	2.81		3.59	5.63	4.59	3.70	11.00
		5 670	2.03	3.56	2.86	1.46		2.92	4.45	3.75	2.35	
11ac VHT80	UNII 1	5 210	-3.87	-1.50	-4.33	-3.58	0.95	-2.92	-0.55	-3.38	-2.63	17.00
	UNII 2A	5 290	-6.72	-5.27	-6.35	-7.14		-5.77	-4.32	-5.40	-6.19	11.00
	UNII 2C	5 530	-5.71	-3.57	-4.42	-5.73		-4.76	-2.62	-3.47	-4.78	11.00
		5 610	-1.02	1.08	0.17	-0.80		-0.07	2.03	1.12	0.15	

Note.
1. Result(dBm) = Reading (dBm) + Duty Cycle Factor (dB)

4TX MIMO

Test mode	Band	Frequency (㎒)	Maximum Power Spectral Density						
			Reading ANT 0 (dBm/㎒)	Reading ANT 1 (dBm/㎒)	Reading ANT 2 (dBm/㎒)	Reading ANT 3 (dBm/㎒)	DCF (dB)	Result 4TX MIMO (dBm/㎒)[1]	Limit (dBm/㎒)
11a	UNII 1	5 180	1.52	2.18	1.05	1.19	2.64	10.17	15.45
		5 220	5.24	6.23	4.73	4.75		13.94	
		5 240	5.75	6.59	5.40	5.87		14.59	
	UNII 2A	5 260	-0.59	0.30	-0.51	-0.71		8.30	9.38
		5 300	-1.25	0.64	0.53	0.11		8.73	
		5 320	-0.85	0.96	0.13	0.38		8.86	
	UNII 2C	5 500	-1.16	0.29	-0.32	-0.12		8.37	9.13
		5 580	-1.14	0.79	0.26	-0.86		8.50	
		5 700	-1.53	0.59	0.04	-1.29		8.20	
11n HT20	UNII 1	5 180	2.00	2.40	-0.52	1.40	2.28	9.75	15.45
		5 220	5.59	6.42	5.41	6.01		14.17	
		5 240	5.96	6.49	6.32	5.94		14.48	
	UNII 2A	5 260	-0.44	0.87	0.24	0.31		8.57	9.38
		5 300	0.14	1.22	0.76	-0.05		8.84	
		5 320	-0.17	1.11	0.94	0.22		8.85	
	UNII 2C	5 500	-0.65	2.19	0.59	0.16		9.00	9.13
		5 580	-0.58	1.86	0.86	-0.32		8.86	
		5 700	-0.40	1.78	0.24	-0.67		8.64	
11n HT40	UNII 1	5 190	-5.03	-2.00	-5.40	-3.60	0.77	4.85	15.45
		5 230	3.00	3.72	3.05	2.37		11.71	
	UNII 2A	5 270	0.00	0.91	0.12	-0.62		8.78	9.38
		5 310	-6.89	-5.53	-5.93	-7.08		2.34	
	UNII 2C	5 510	-6.07	-4.41	-4.81	-6.12		3.36	9.13
		5 550	-1.14	0.44	-0.11	-1.21		8.20	
		5 670	-0.97	-0.16	0.45	-1.35		8.20	
11ac VHT20	UNII 1	5 180	3.95	4.78	3.81	3.71	2.63	10.87	15.45
		5 220	6.93	7.86	6.78	6.84		13.91	
		5 240	7.15	8.14	7.34	7.03		14.22	
	UNII 2A	5 260	1.57	2.55	1.50	1.50		8.59	9.38
		5 300	1.43	2.90	2.02	1.71		8.84	
		5 320	1.34	2.94	2.35	1.96		8.97	
	UNII 2C	5 500	0.54	3.10	2.35	1.82		8.84	9.13
		5 580	1.28	3.45	2.54	0.83		8.93	
		5 700	1.43	2.18	2.23	0.49		8.42	
11ac VHT40	UNII 1	5 190	-3.37	-1.71	-4.40	-2.56	0.89	4.02	15.45
		5 230	3.55	4.75	4.01	3.38		10.87	
	UNII 2A	5 270	0.72	2.57	1.95	0.22		8.38	9.38

		5 310	-3.35	-1.42	-1.75	-3.21		4.57	
	UNII 2C	5 510	-0.04	1.86	1.26	-0.10		7.74	9.13
		5 550	-0.46	1.62	1.30	-0.11		7.59	
		5 670	0.02	1.70	1.43	-0.38		7.70	
11ac VHT80	UNII 1	5 210	-5.10	-3.71	-5.46	-4.40	0.95	2.35	15.45
	UNII 2A	5 290	-8.96	-7.94	-7.56	-8.83		-1.31	9.38
	UNII 2C	5 530	-6.76	-4.43	-4.84	-6.34		1.49	9.13
		5 610	-2.17	-0.05	-0.48	-1.92		5.91	

Note.
1. Result(dBm) = 10log($10^{(ANT\ 0/10)}$ + $10^{(ANT\ 1/10)}$ + $10^{(ANT\ 2/10)}$ + $10^{(ANT\ 3/10)}$) + Duty Cycle Factor (dB)

SISO

Test mode	Band	Frequency (㎒)	Maximum Power Spectral Density									
			Reading ANT 0 (dBm/ 500 ㎑)	Reading ANT 1 (dBm/ 500 ㎑)	Reading ANT 2 (dBm/ 500 ㎑)	Reading ANT 3 (dBm/ 500 ㎑)	DCF (dB)	Result ANT 0 (dBm/ 500 ㎑)[1]	Result ANT 1 (dBm/ 500 ㎑)[1]	Result ANT 2 (dBm/ 500 ㎑)[1]	Result ANT 3 (dBm/ 500 ㎑)[1]	Limit (dBm/ 500 ㎑)
11a	UNII 3	5 745	6.64	6.30	6.49	5.60	2.64	9.28	8.94	9.13	8.24	30.00
		5 785	6.24	6.02	5.91	5.48		8.88	8.66	8.55	8.12	
		5 825	6.63	6.30	6.72	5.50		9.27	8.94	9.36	8.14	
11n HT20	UNII 3	5 745	6.68	6.40	6.96	5.63	2.28	8.96	8.68	9.24	7.91	30.00
		5 785	6.00	6.35	6.03	5.28		8.28	8.63	8.31	7.56	
		5 825	6.10	6.56	6.29	5.35		8.38	8.84	8.57	7.63	
11n HT40	UNII 3	5 755	1.15	1.60	1.52	-0.13	2.61	3.76	4.21	4.13	2.48	30.00
		5 795	-0.08	0.58	-0.44	-1.33		2.53	3.19	2.17	1.28	
11ac VHT20	UNII 3	5 745	7.68	7.94	7.90	6.90	0.77	8.45	8.71	8.67	7.67	30.00
		5 785	7.14	7.70	6.75	6.17		7.91	8.47	7.52	6.94	
		5 825	7.14	7.36	6.79	6.13		7.91	8.13	7.56	6.90	
11ac VHT40	UNII 3	5 755	3.10	3.00	2.60	1.85	0.89	3.99	3.89	3.49	2.74	30.00
		5 795	1.57	2.04	0.69	0.01		2.46	2.93	1.58	0.90	
11ac VHT80	UNII 3	5 775	1.46	1.78	1.99	0.07	0.95	2.41	2.73	2.94	1.02	30.00

Note.

1. Result(㏈m) = Reading (㏈m) + Duty Cycle Factor (㏈)

4TX MIMO

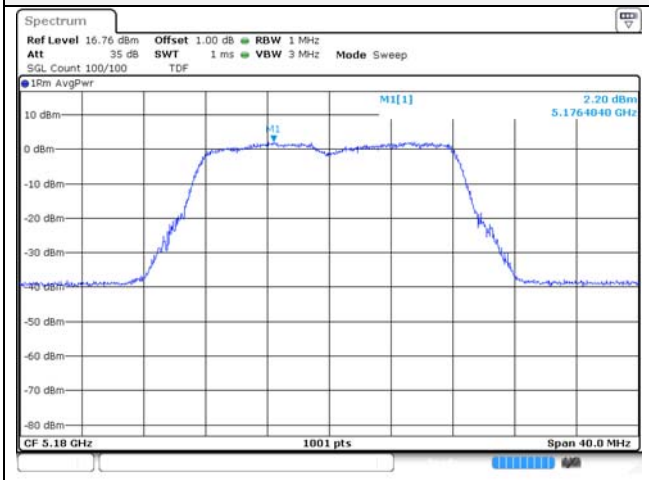
Test mode	Band	Frequency (㎒)	Maximum Power Spectral Density						
			Reading ANT 0 (dBm/ 500 ㎑)	Reading ANT 1 (dBm/ 500 ㎑)	Reading ANT 2 (dBm/ 500 ㎑)	Reading ANT 3 (dBm/ 500 ㎑)	DCF (dB)	Result 4TX MIMO (dBm/500 ㎑)[1]	Limit (dBm/ 500 ㎑)
11a	UNII 3	5 745	5.58	6.26	6.02	5.66	2.64	14.55	28.05
		5 785	5.26	6.19	5.25	5.36		14.19	
		5 825	5.60	6.14	5.78	5.42		14.40	
11n HT20	UNII 3	5 745	5.80	6.42	6.52	5.44	2.28	14.36	28.05
		5 785	6.44	6.21	5.19	4.73		14.00	
		5 825	6.09	5.77	5.56	5.18		13.96	
11n HT40	UNII 3	5 755	1.06	1.74	1.90	0.65	2.63	10.01	28.05
		5 795	0.33	0.52	0.03	-0.09		8.85	
11ac VHT20	UNII 3	5 745	6.71	7.35	7.23	6.55	0.77	13.76	28.05
		5 785	6.45	6.61	6.22	6.07		13.13	
		5 825	5.89	7.06	6.45	6.06		13.17	
11ac VHT40	UNII 3	5 755	2.23	2.79	2.60	1.64	0.89	9.25	28.05
		5 795	1.16	2.23	1.30	0.69		8.30	
11ac VHT80	UNII 3	5 775	0.96	0.98	0.42	0.09	0.95	7.60	28.05

Note.

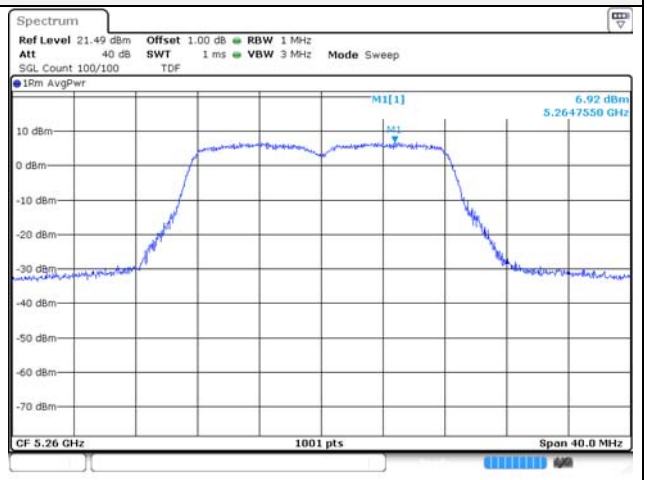
1. Result(㏈m) = 10log($10^{(ANT\ 0/10)}$ + $10^{(ANT\ 1/10)}$ + $10^{(ANT\ 2/10)}$ + $10^{(ANT\ 3/10)}$) + Duty Cycle Factor (㏈)

SISO ANT 0

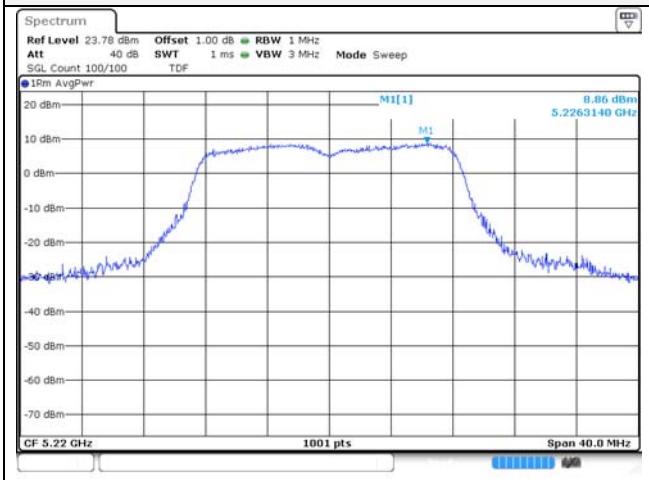
UNII-1 / 802.11a / 5 180 ㎒



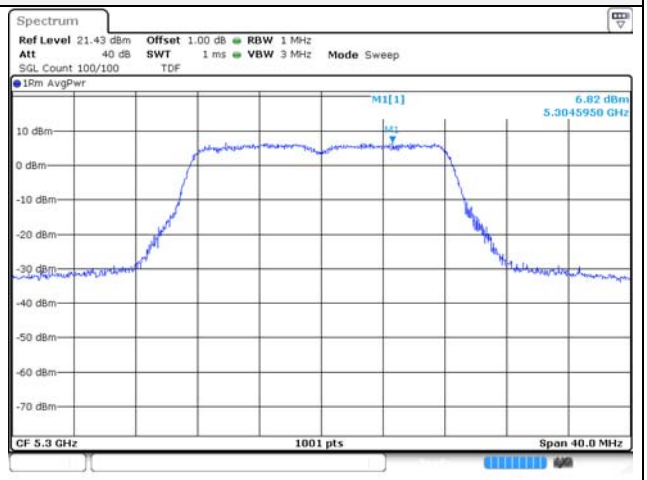
UNII-2A / 802.11a / 5 260 ㎒



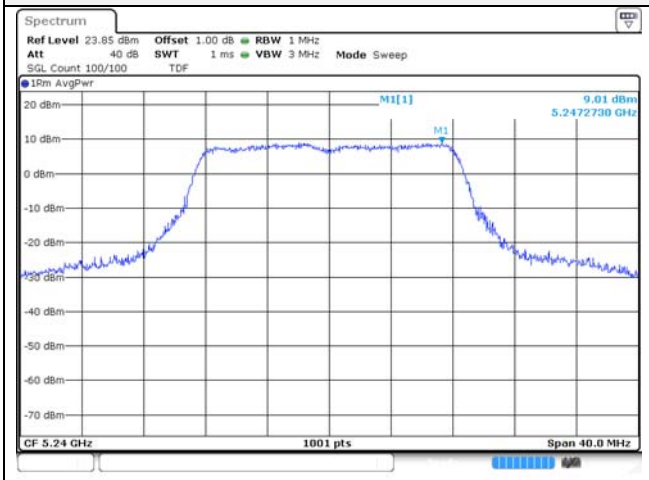
UNII-1 / 802.11a / 5 220 ㎒



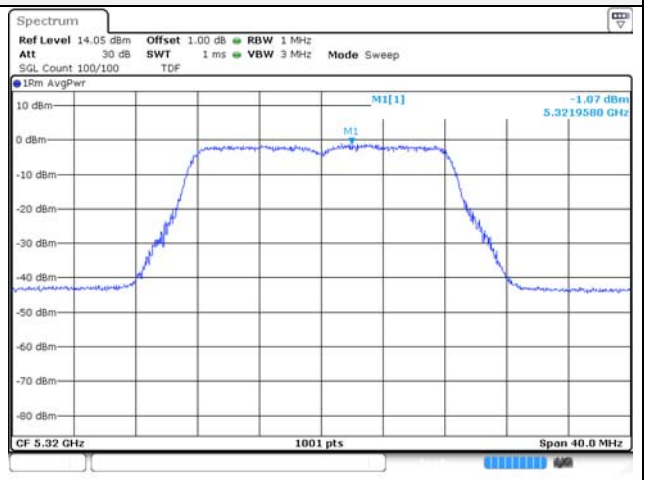
UNII-2A / 802.11a / 5 300 ㎒

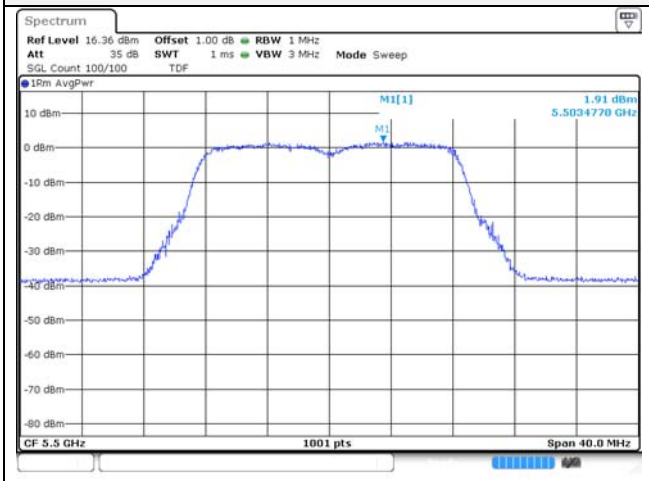
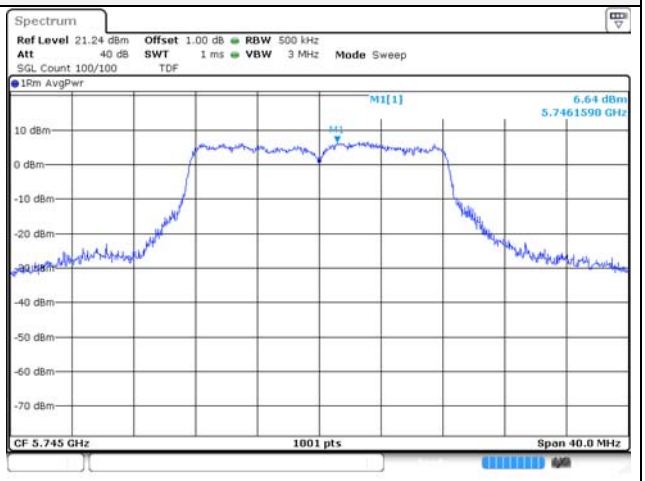


UNII-1 / 802.11a / 5 240 ㎒



UNII-2A / 802.11a / 5 320 ㎒



UNII-2C / 802.11a / 5 500 ㎒	UNII-3 / 802.11a / 5 745 ㎒
	
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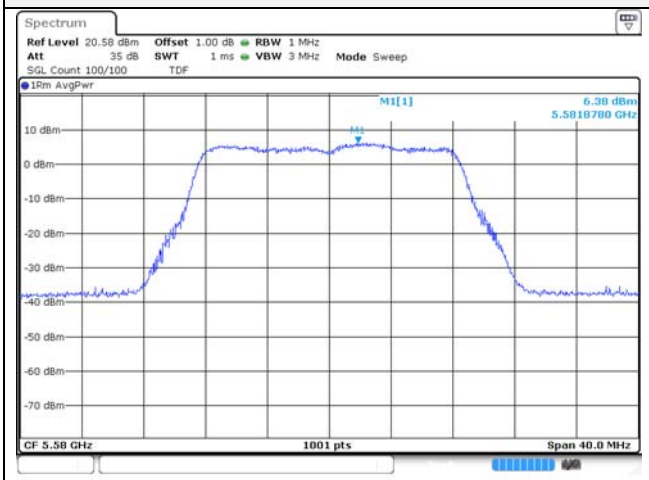
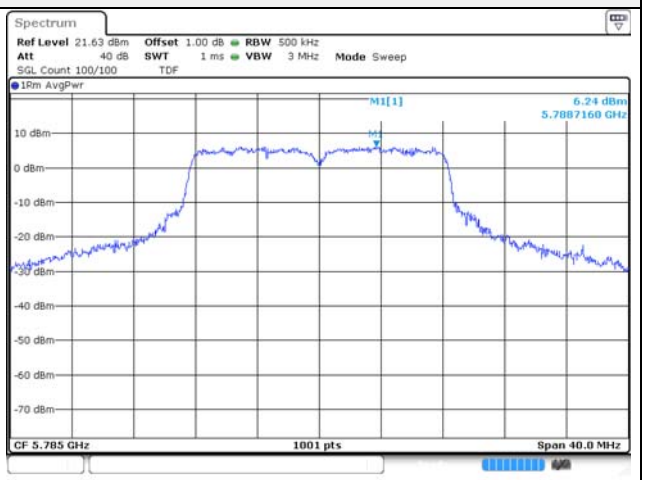
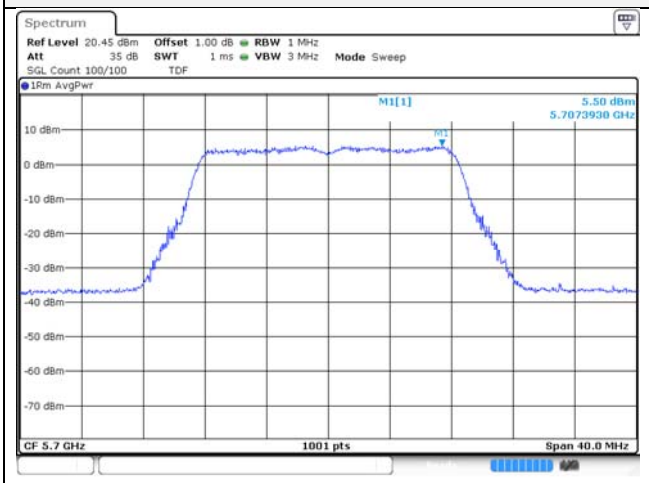
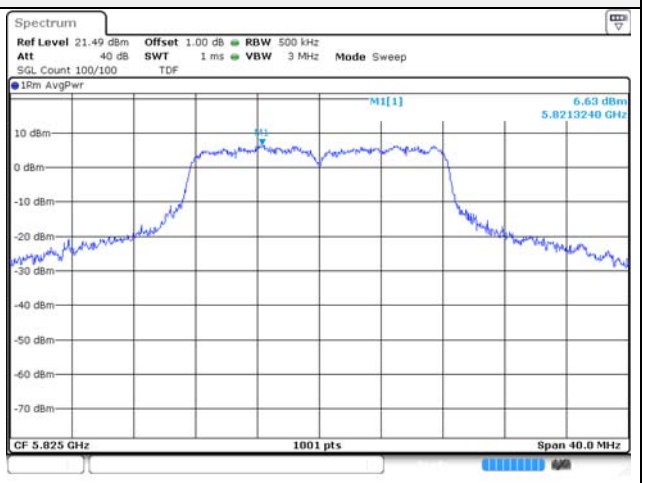
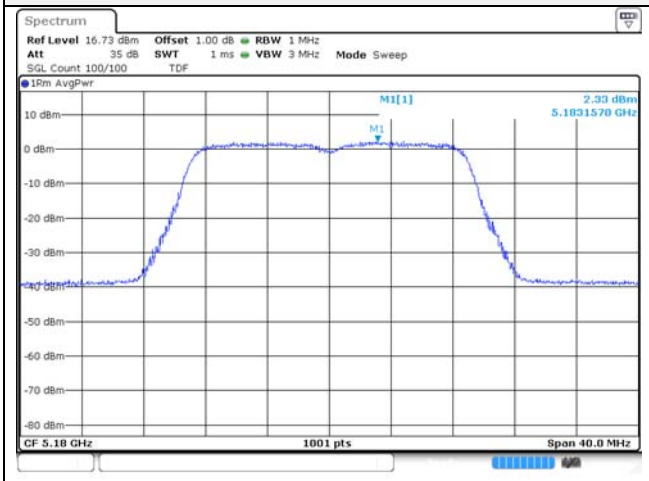
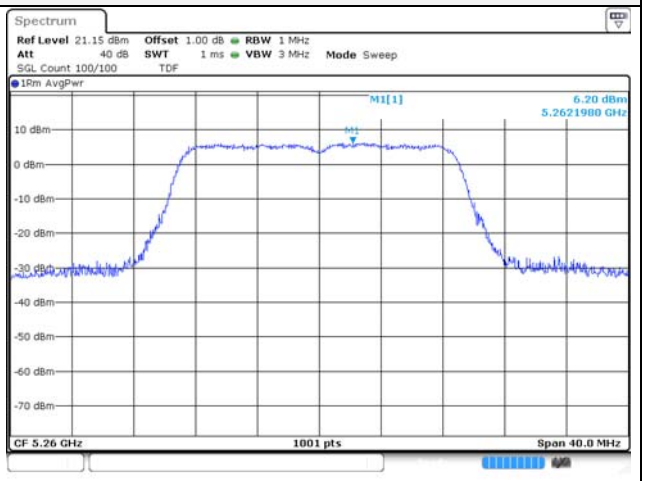
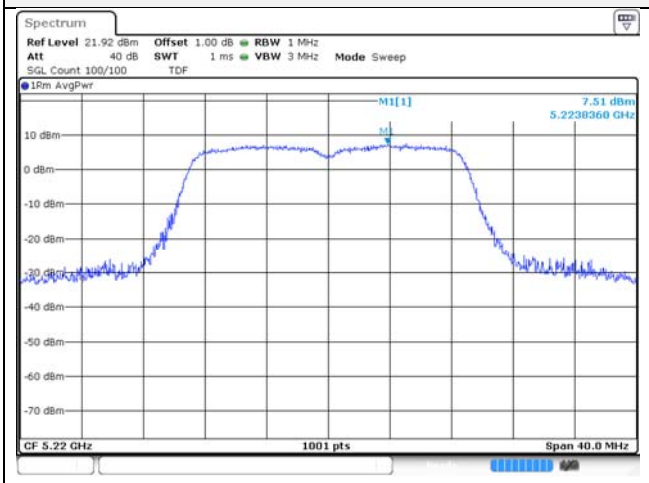
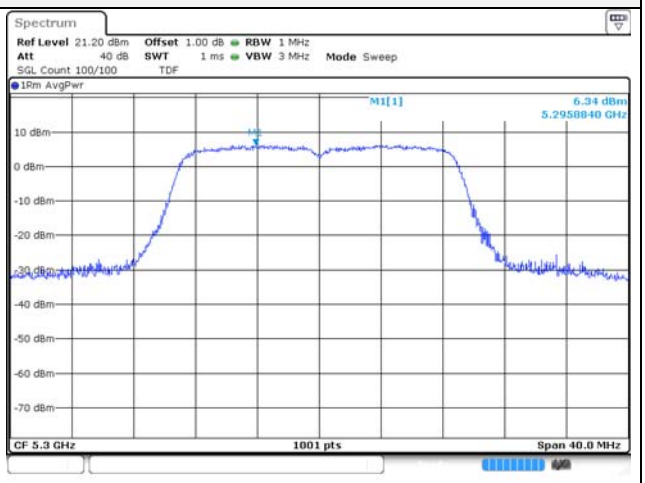
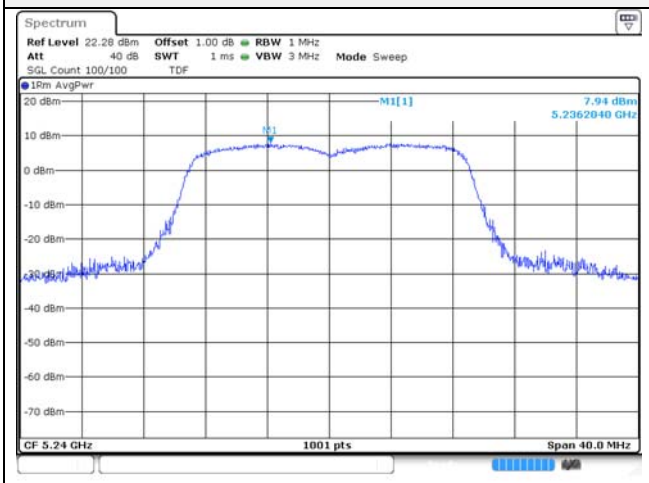
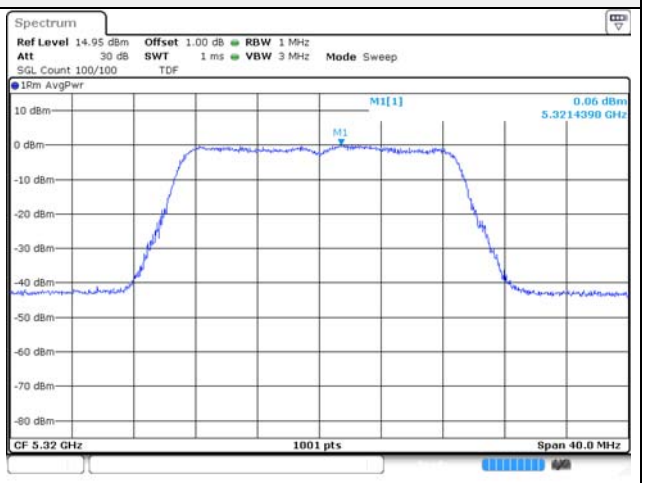
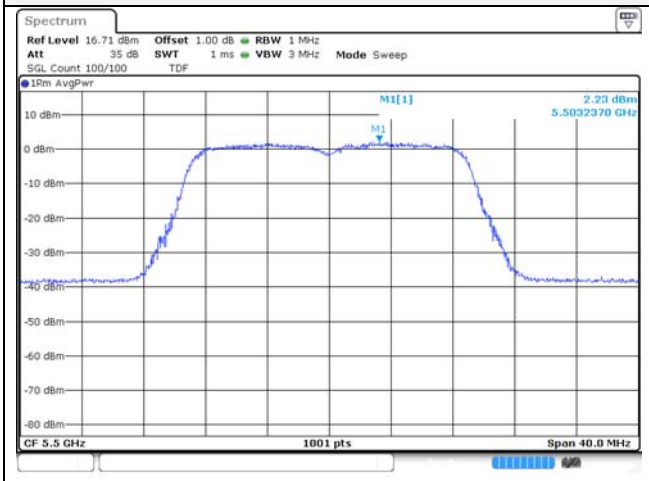
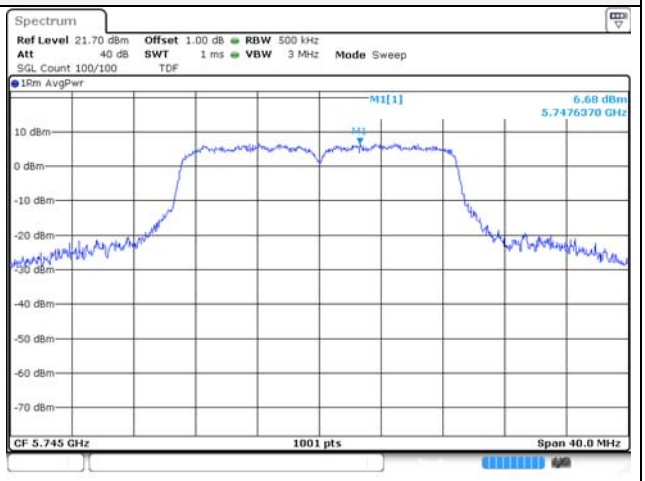
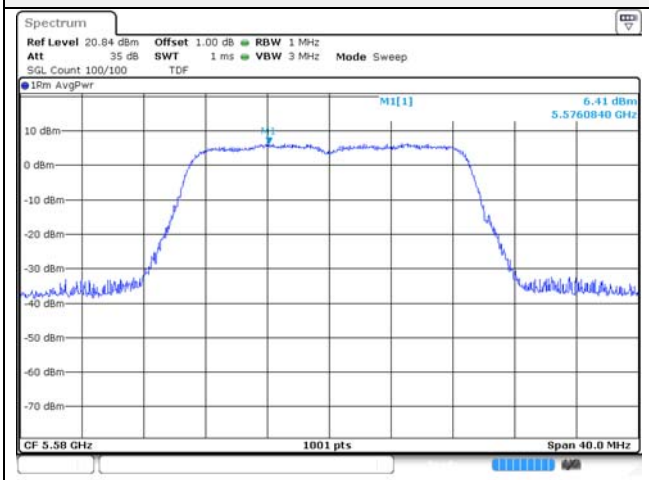
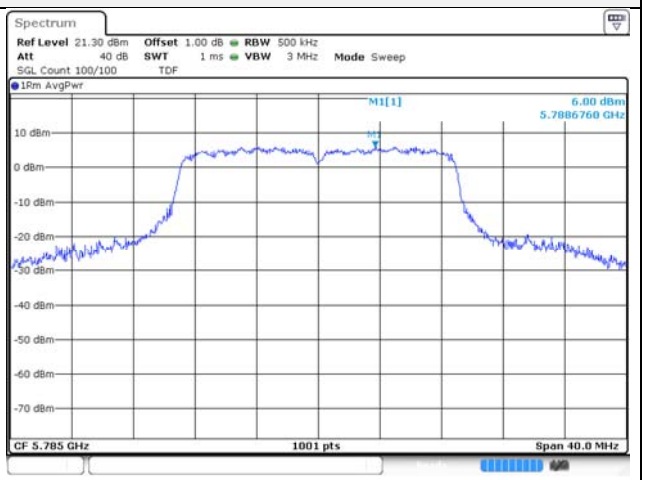
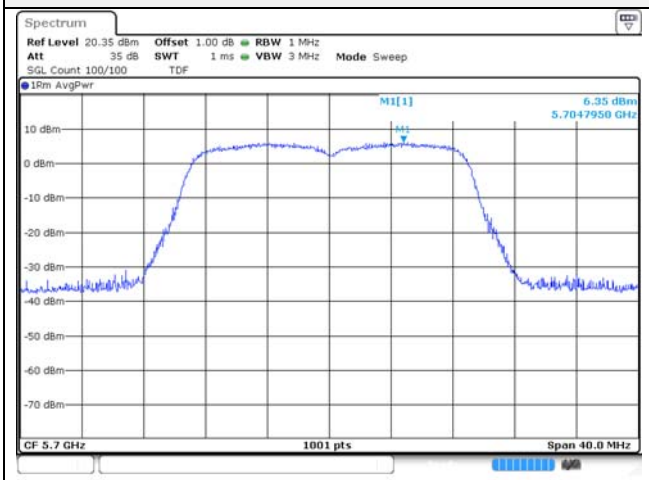
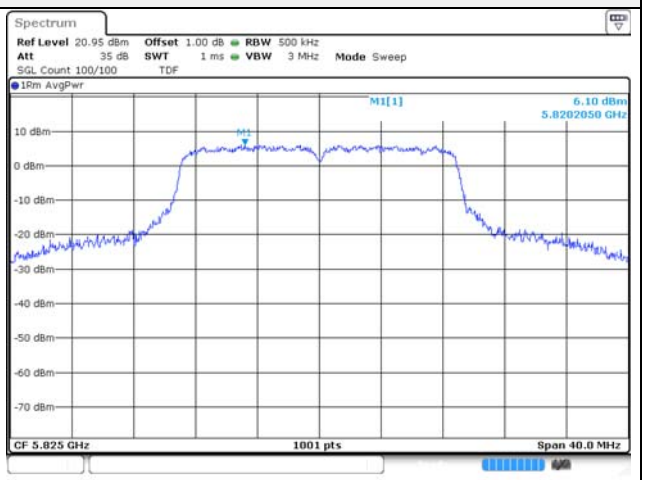
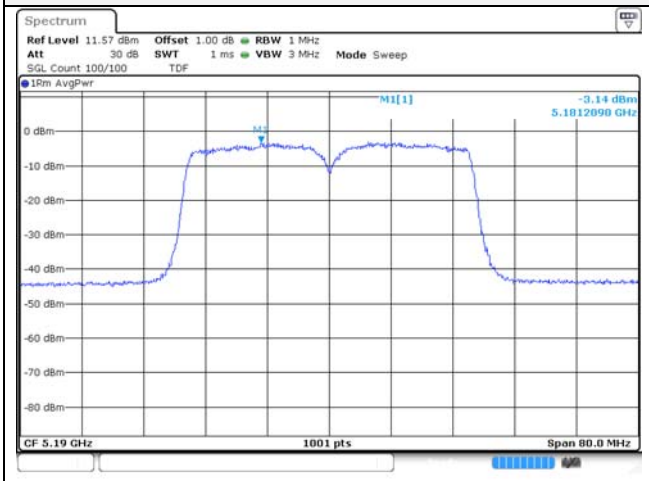
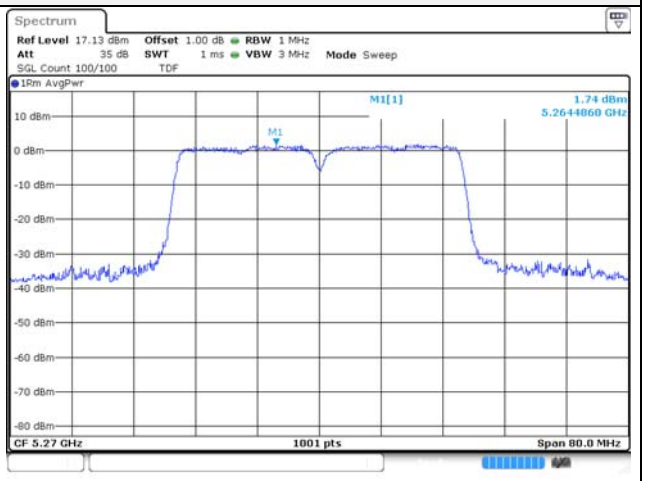
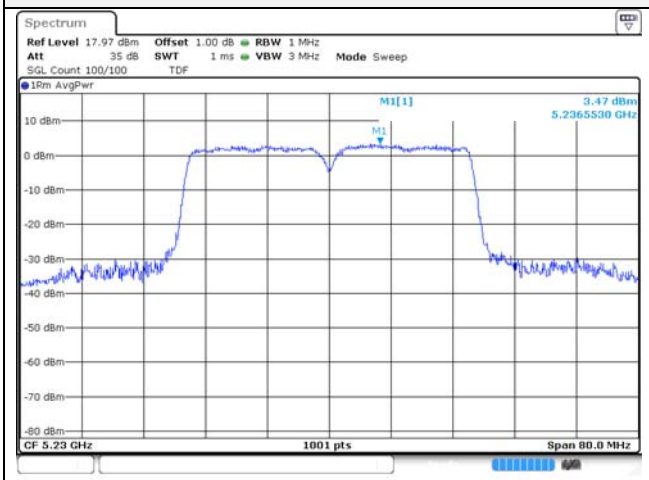
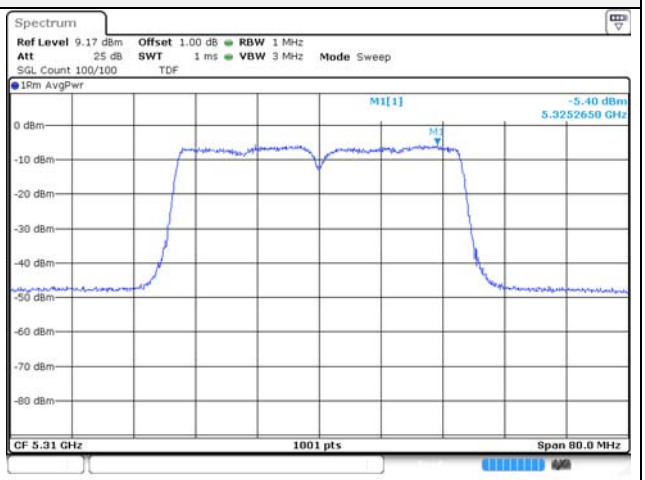
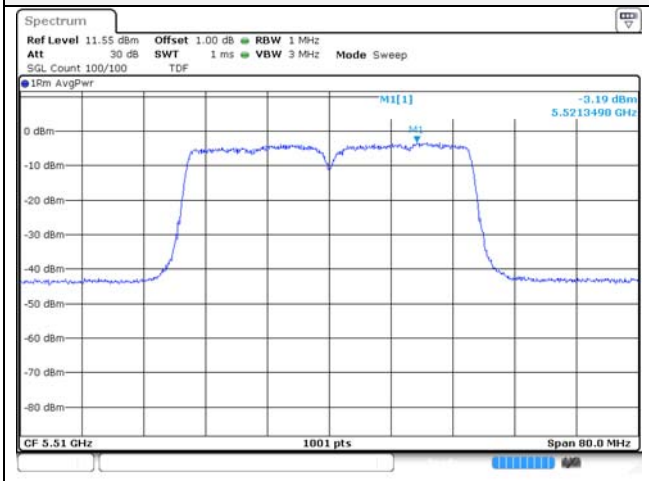
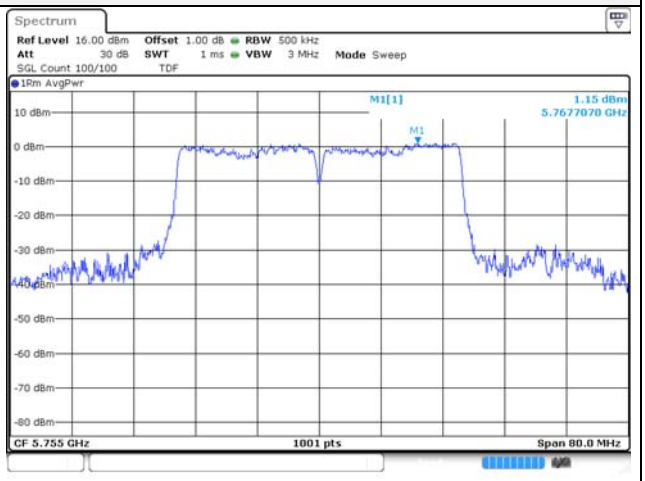
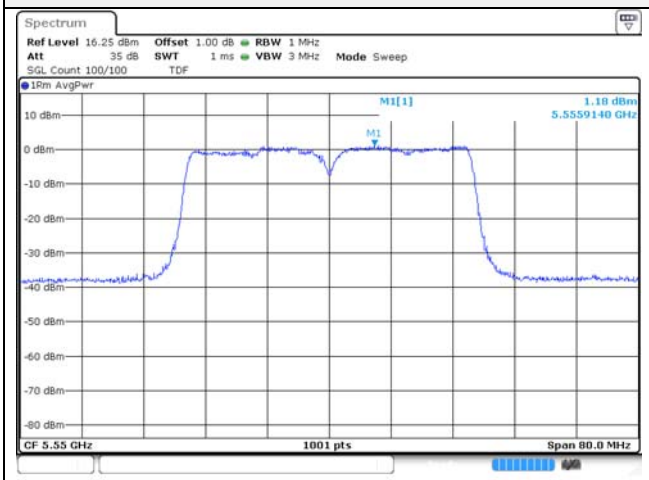
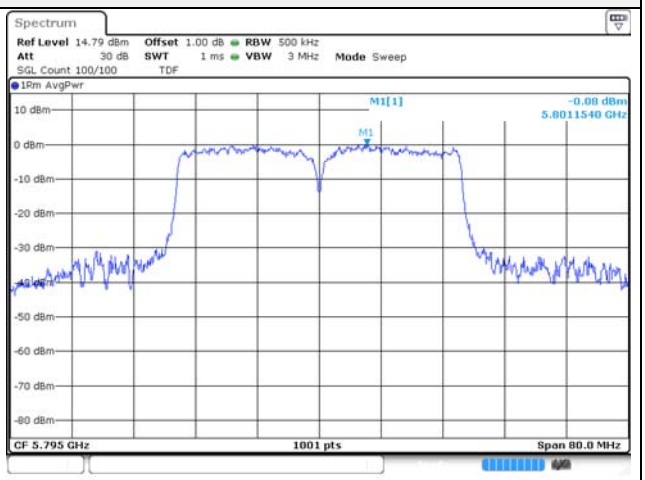
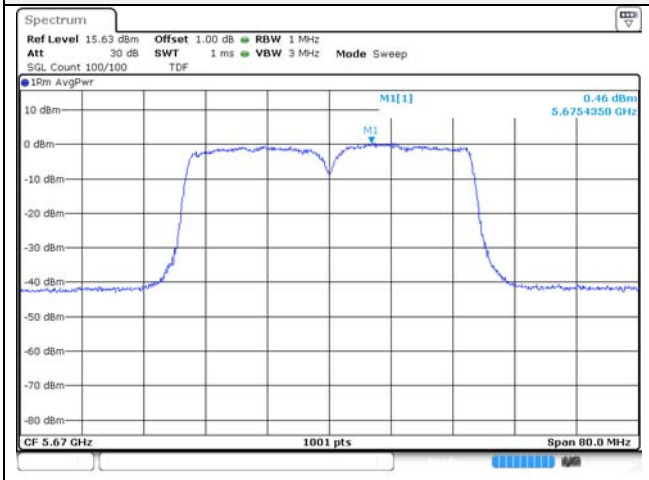
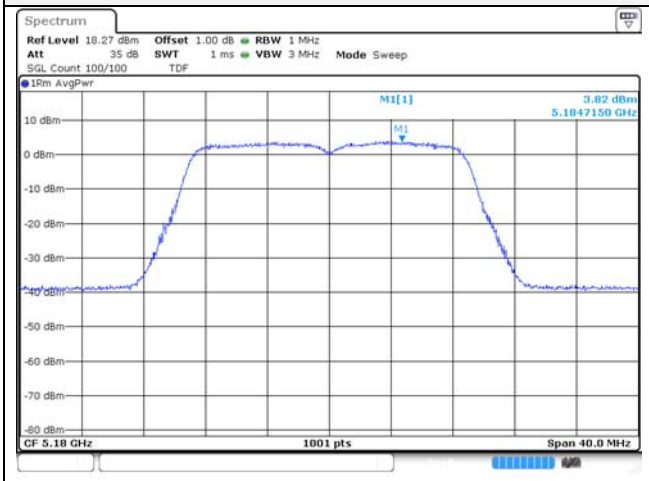
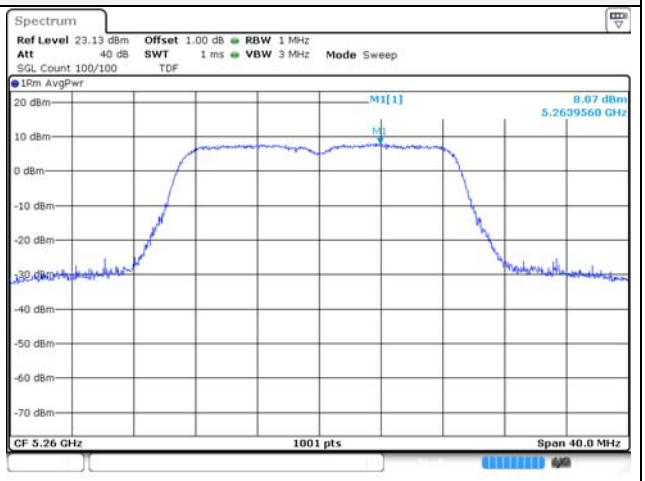
	
UNII-2C / 802.11a / 5 700 ㎒	**UNII-3 / 802.11a / 5 825 ㎒**
	

UNII-1 / 802.11n HT20 / 5 180 ㎒	UNII-2A / 802.11n HT20 / 5 260 ㎒
	
UNII-1 / 802.11n HT20 / 5 220 ㎒	**UNII-2A / 802.11n HT20 / 5 300 ㎒**
	
UNII-1 / 802.11n HT20 / 5 240 ㎒	**UNII-2A / 802.11n HT20 / 5 320 ㎒**
	

UNII-2C / 802.11n HT20 / 5 500 ㎒	UNII-3 / 802.11n HT20 / 5 745 ㎒
	
UNII-2C / 802.11n HT20 / 5 580 ㎒	**UNII-3 / 802.11n HT20 / 5 785 ㎒**
	
UNII-2C / 802.11n HT20 / 5 700 ㎒	**UNII-3 / 802.11n HT20 / 5 825 ㎒**
	

UNII-1 / 802.11n HT40 / 5 190 ㎒	UNII-2A / 802.11n HT40 / 5 270 ㎒
	
UNII-1 / 802.11n HT40 / 5 230 ㎒	**UNII-2A / 802.11n HT40 / 5 310 ㎒**
	

UNII-2C / 802.11n HT40 / 5 510 ㎒	UNII-3 / 802.11n HT40 / 5 755 ㎒
	
UNII-2C / 802.11n HT40 / 5 550 ㎒	**UNII-3 / 802.11n HT40 / 5 795 ㎒**
	
UNII-2C / 802.11n HT40 / 5 670 ㎒	
	Blank

UNII-1 / 802.11ac VHT20 / 5 180 ㎒	UNII-2A / 802. 11ac VHT20 / 5 260 ㎒
	
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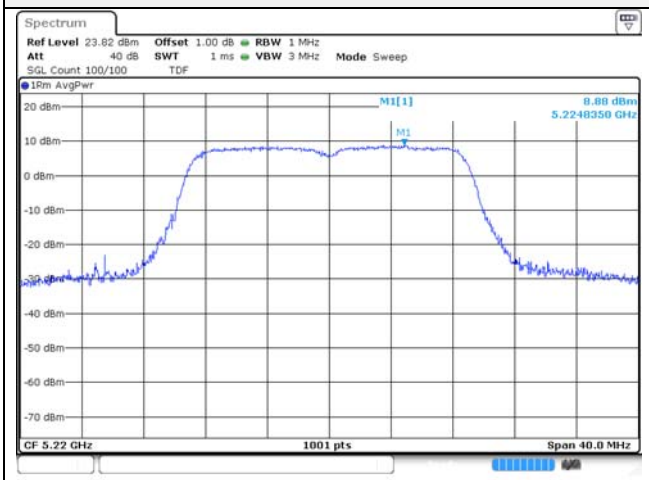
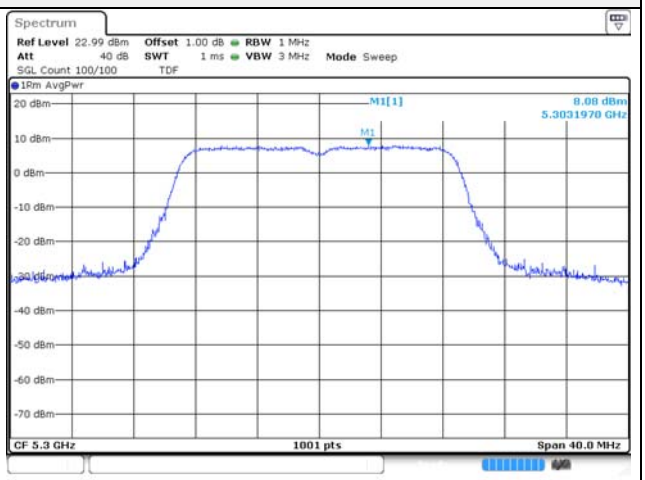
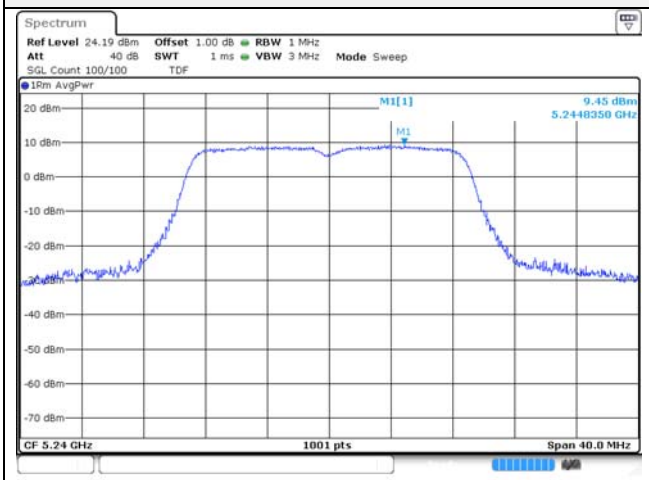
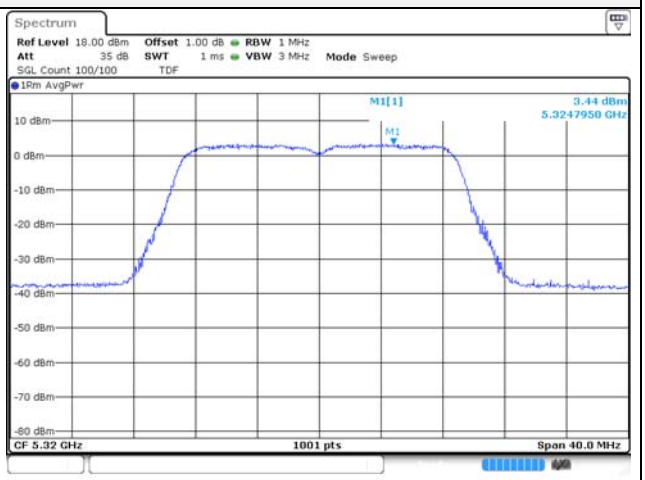
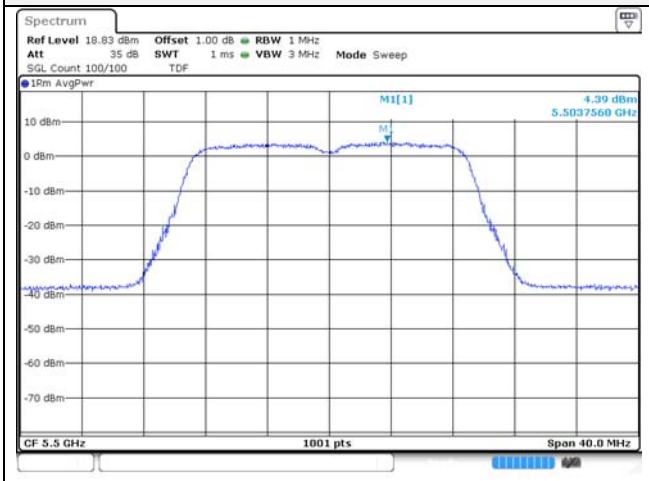
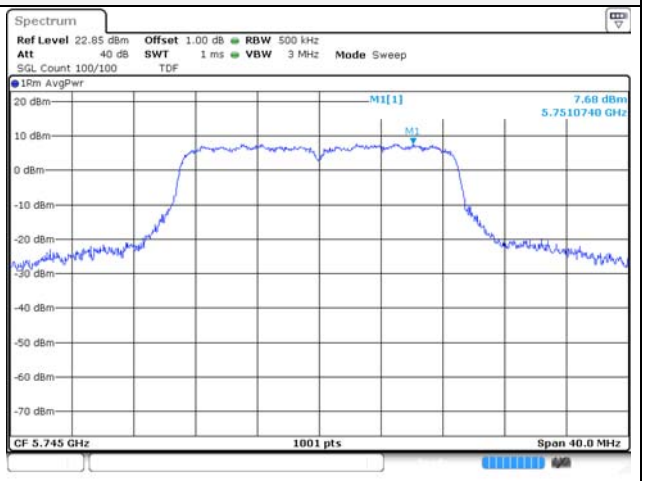
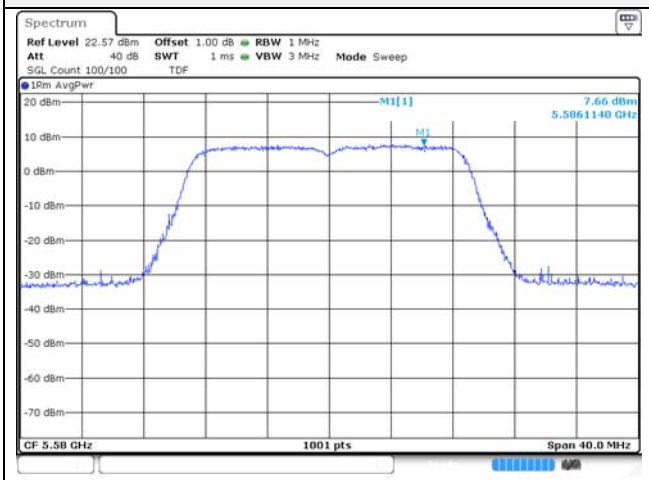
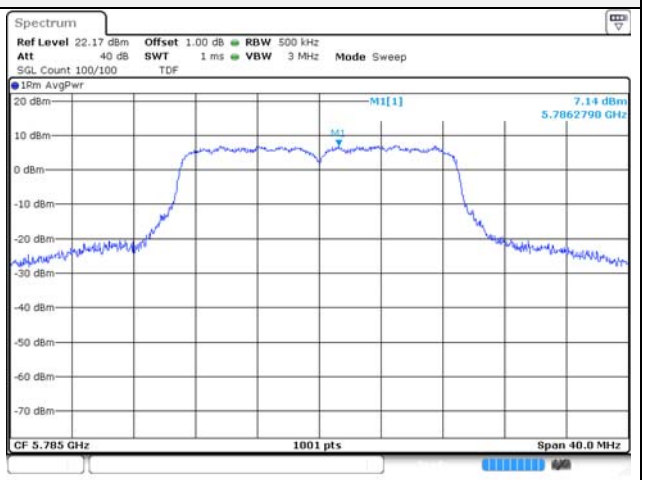
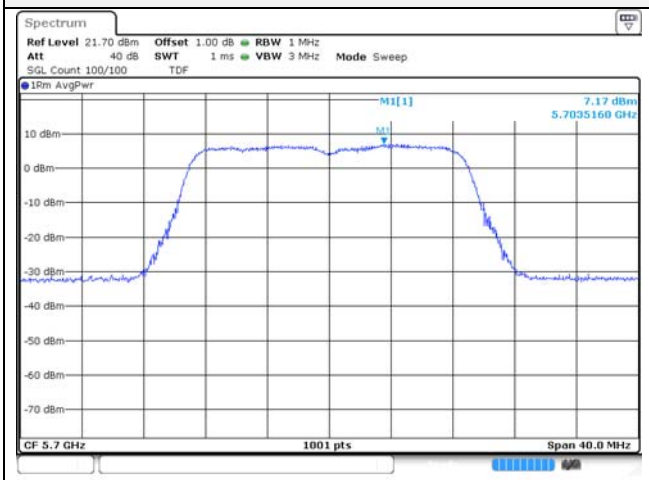
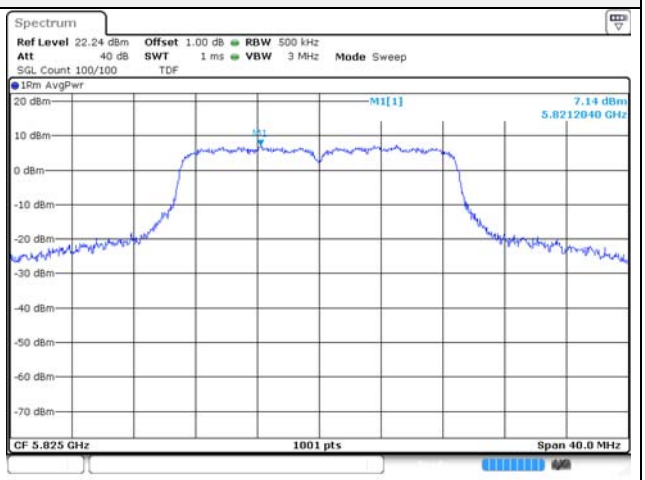
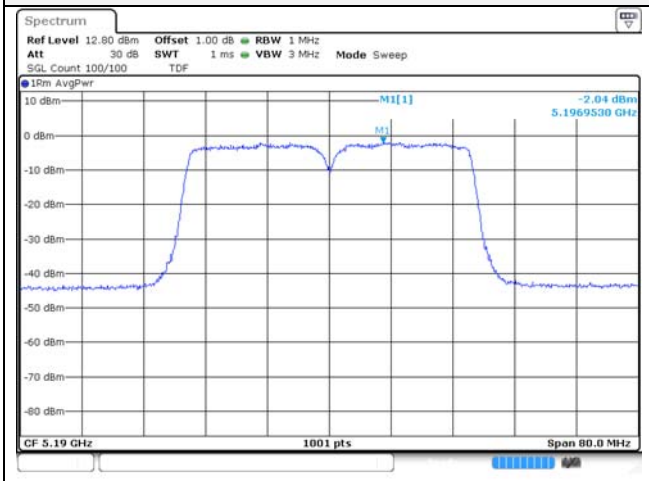
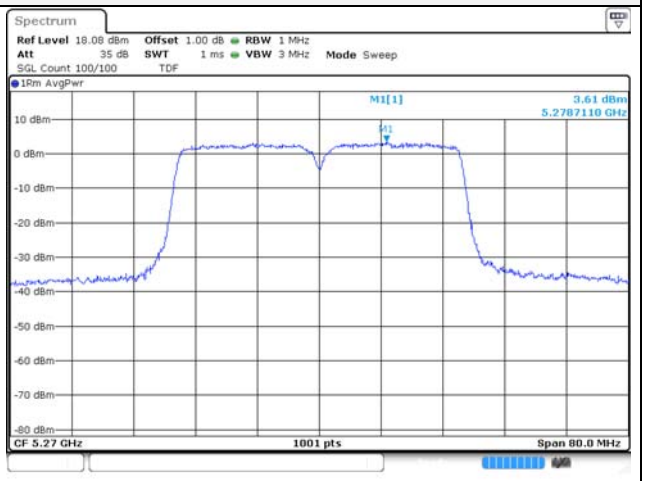
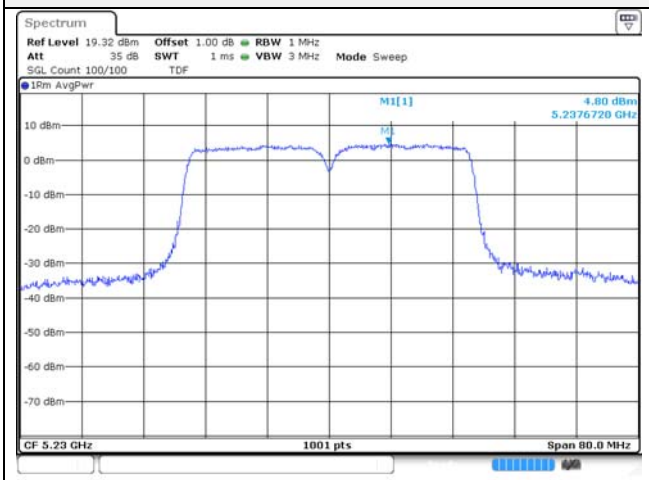
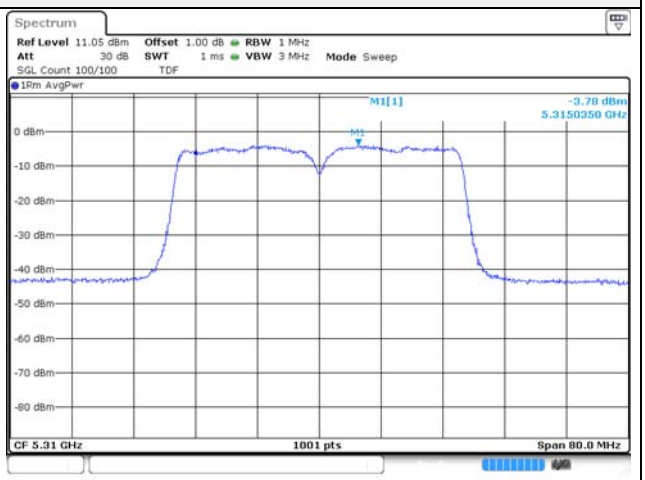
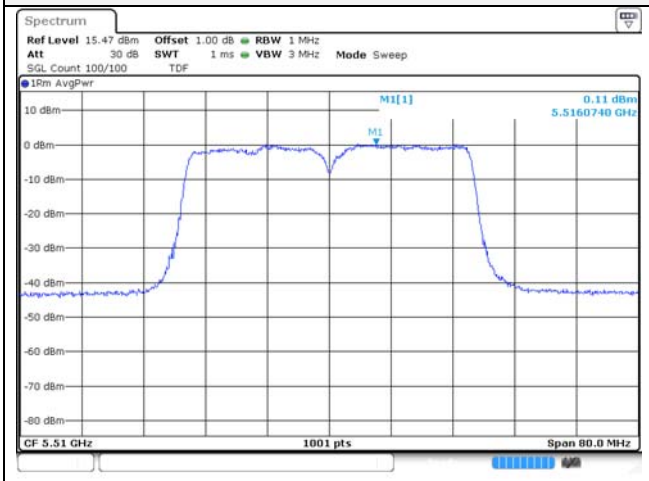
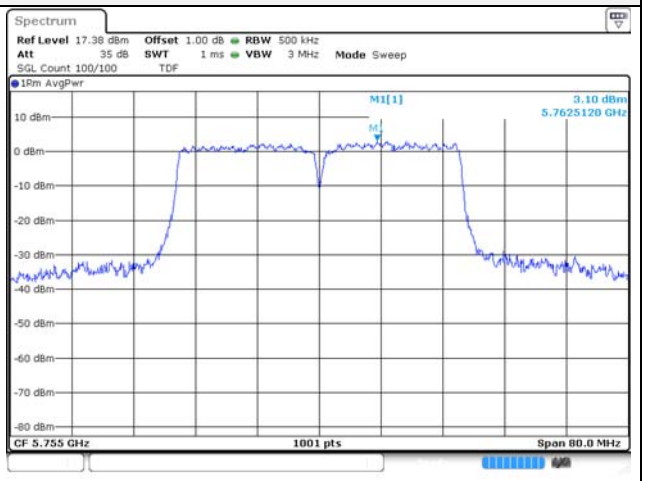
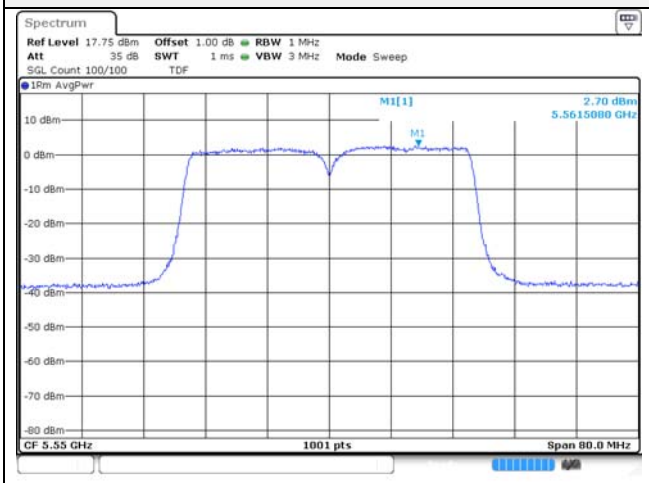
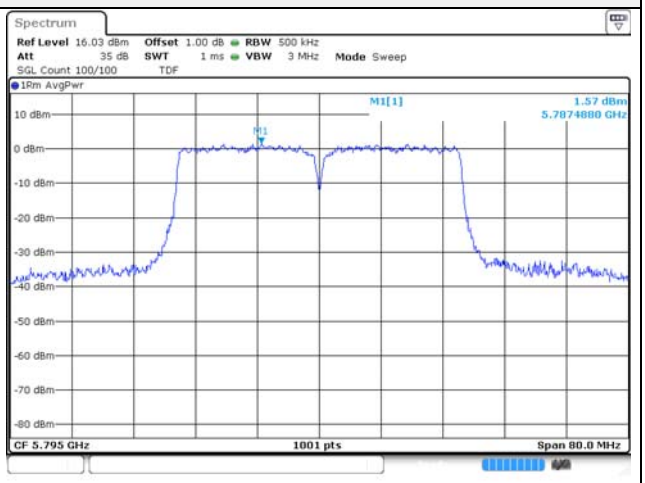
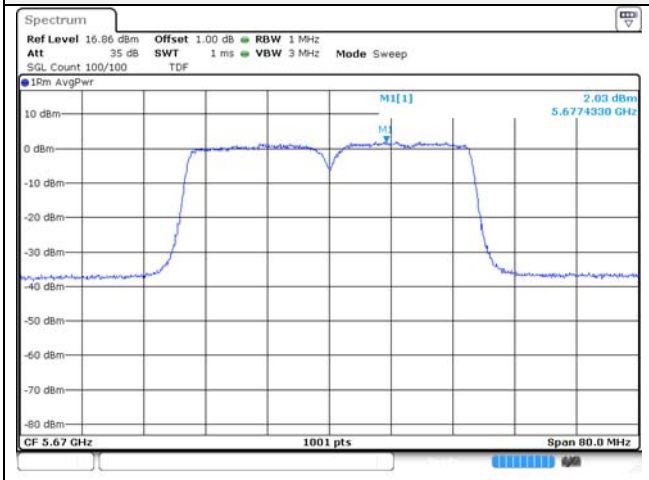
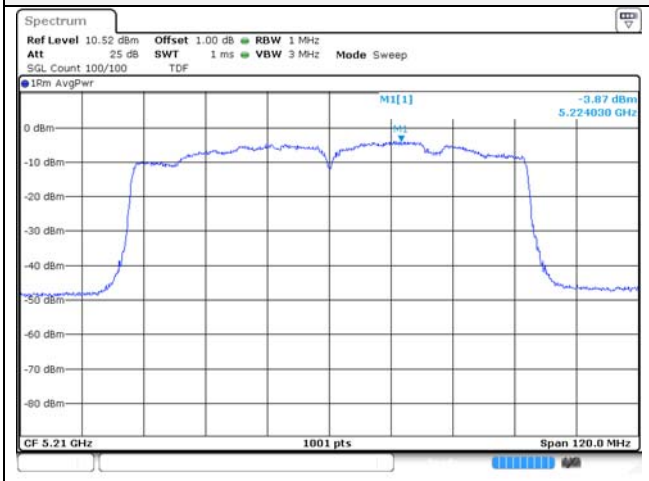
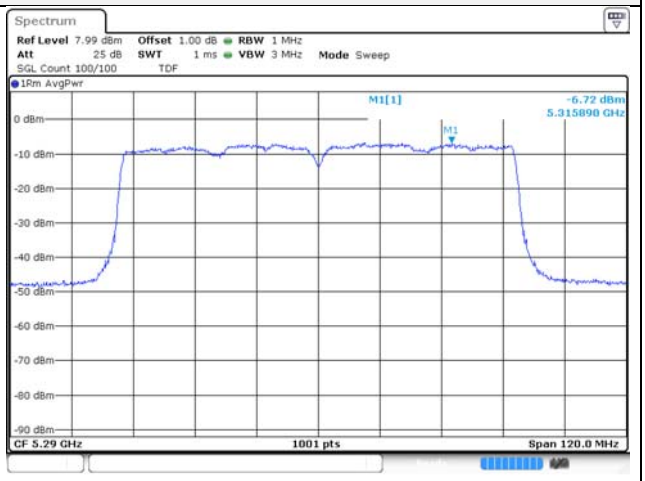
	
UNII-1 / 802. 11ac VHT20 / 5 240 ㎒	**UNII-2A / 802. 11ac VHT20 / 5 320 ㎒**
	

UNII-2C / 802.11ac VHT20 / 5 500 ㎒	UNII-3 / 802.11ac VHT20 / 5 745 ㎒
	
UNII-2C / 802.11ac VHT20 / 5 580 ㎒	**UNII-3 / 802.11ac VHT20 / 5 785 ㎒**
	
UNII-2C / 802.11ac VHT20 / 5 700 ㎒	**UNII-3 / 802.11ac VHT20 / 5 825 ㎒**
	

UNII-1 / 802.11ac VHT40 / 5 190 ㎒	UNII-2A / 802.11ac VHT40 / 5 270 ㎒
	
UNII-1 / 802.11ac VHT40 / 5 230 ㎒	**UNII-2A / 802.11ac VHT40 / 5 310 ㎒**
	

UNII-2C / 802.11ac VHT40 / 5 510 ㎒	UNII-3 / 802.11ac VHT40 / 5 755 ㎒
	
UNII-2C / 802.11ac VHT40 / 5 550 ㎒	**UNII-3 / 802.11ac VHT40 / 5 795 ㎒**
	
UNII-2C / 802.11ac VHT40 / 5 670 ㎒	
	Blank

UNII-1 / 802.11ac VHT80 / 5 210 ㎒	UNII-2A / 802.11ac VHT80 / 5 290 ㎒
	
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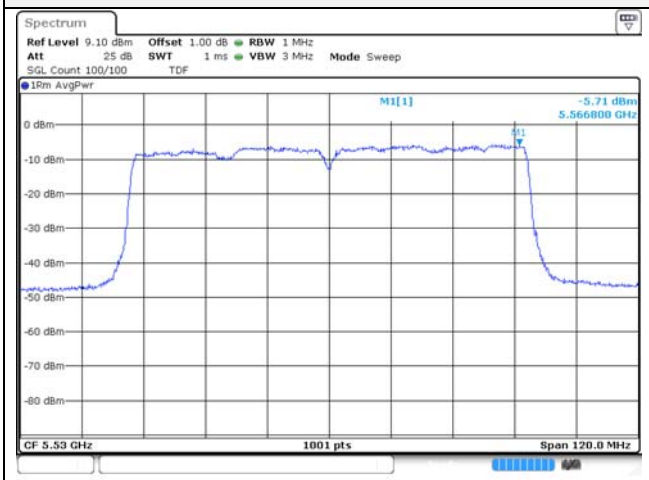	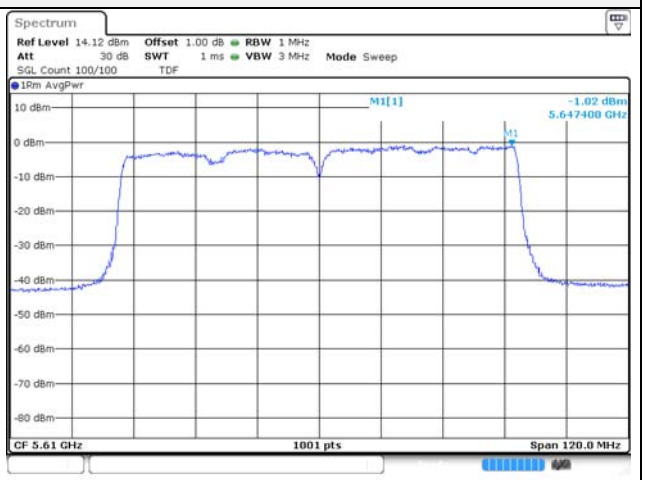
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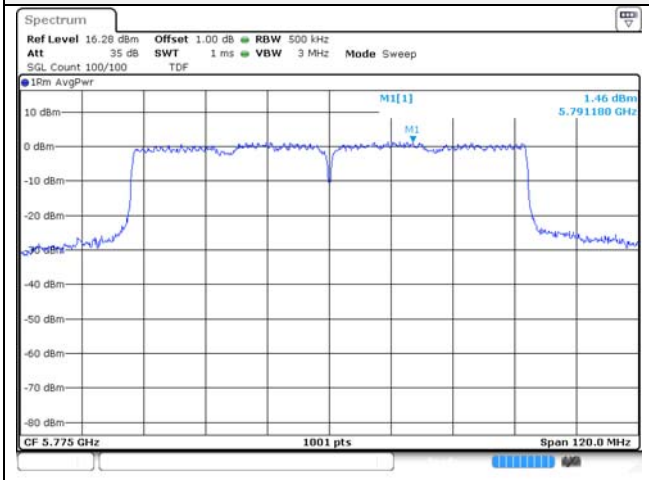	Blank

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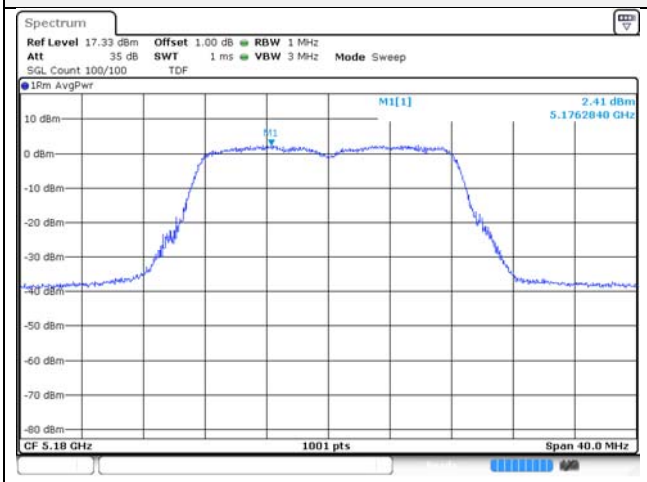
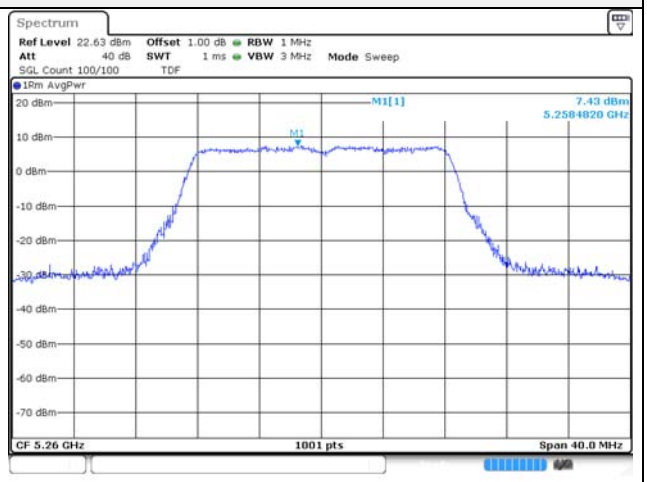
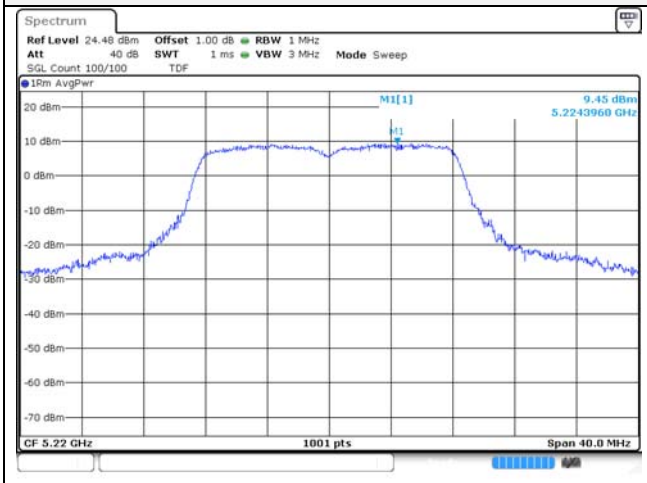
UNII-1 / 802.11a / 5 180 ㎒



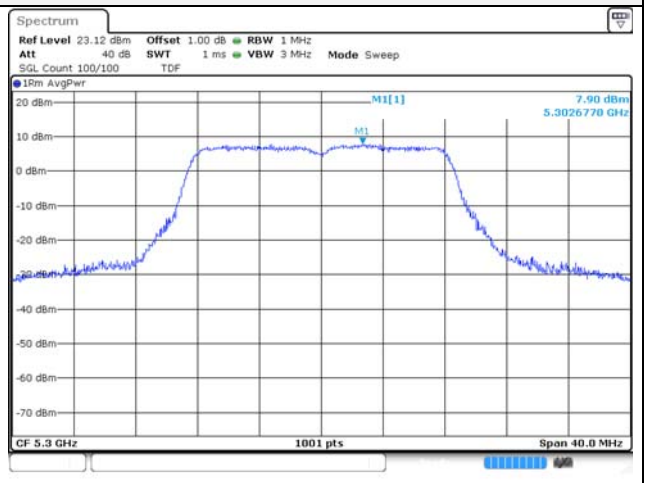
UNII-2A / 802.11a / 5 260 ㎒



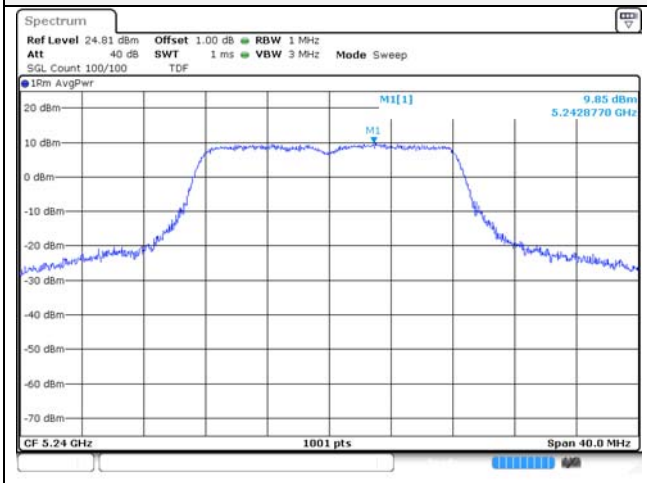
UNII-1 / 802.11a / 5 220 ㎒



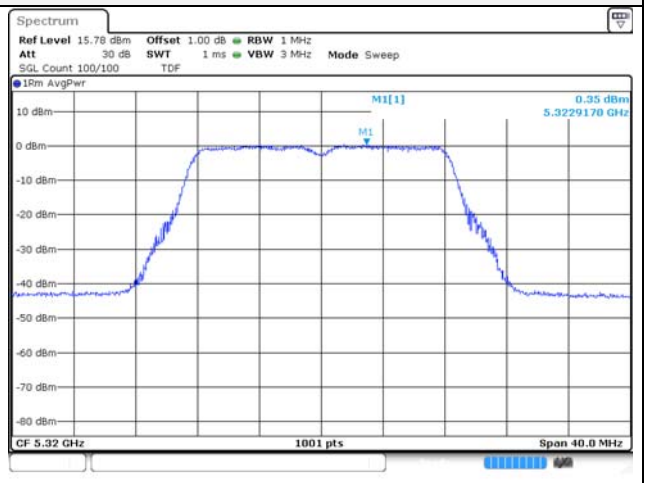
UNII-2A / 802.11a / 5 300 ㎒

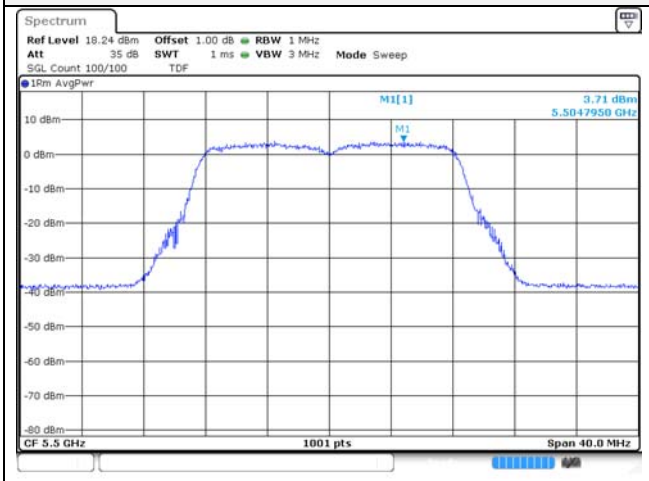
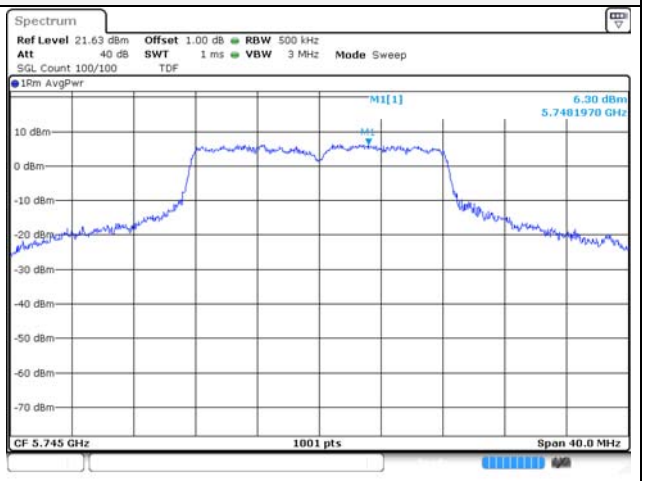
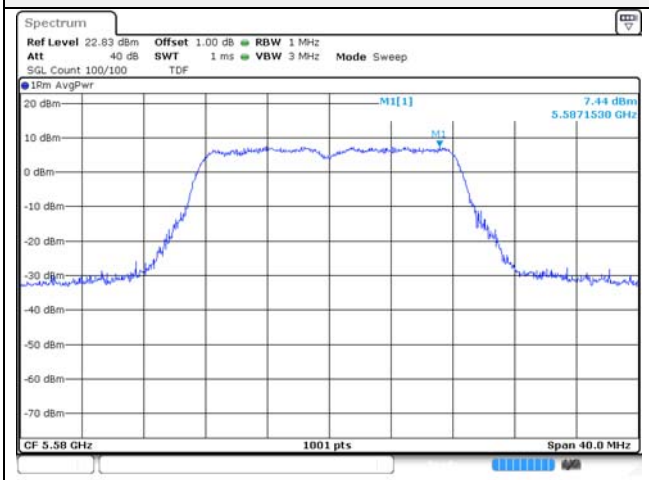
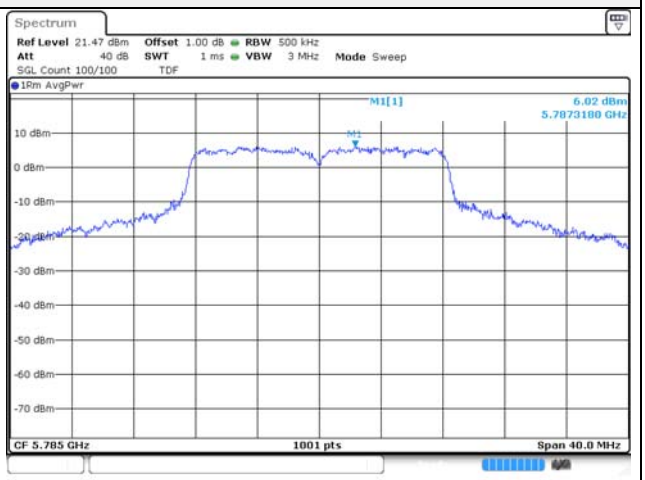
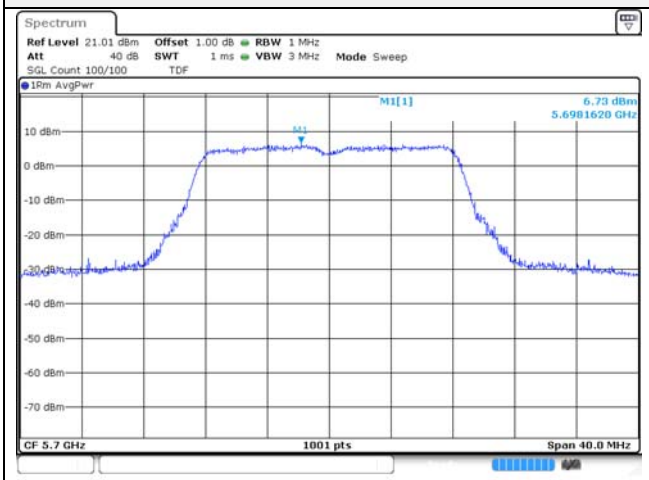
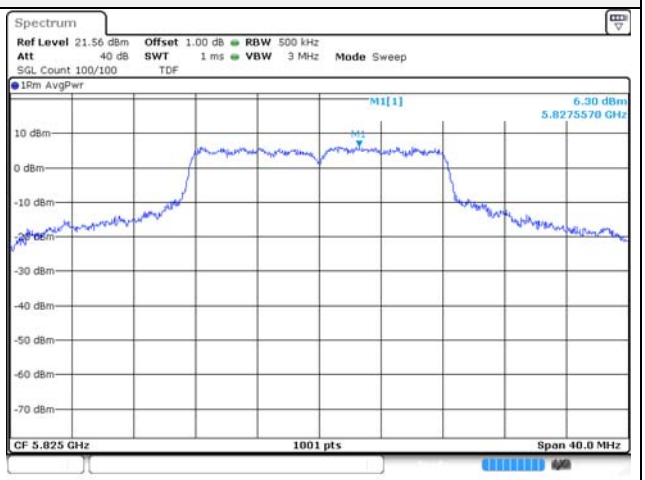


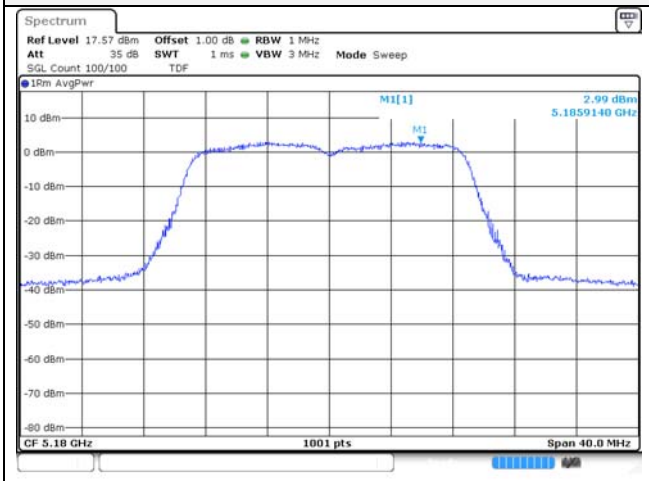
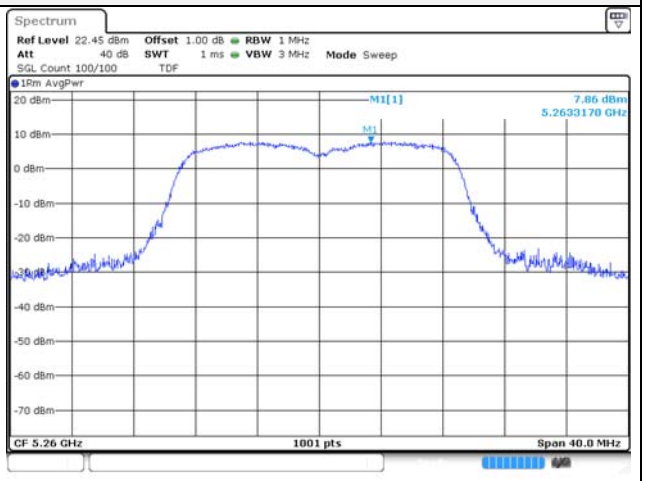
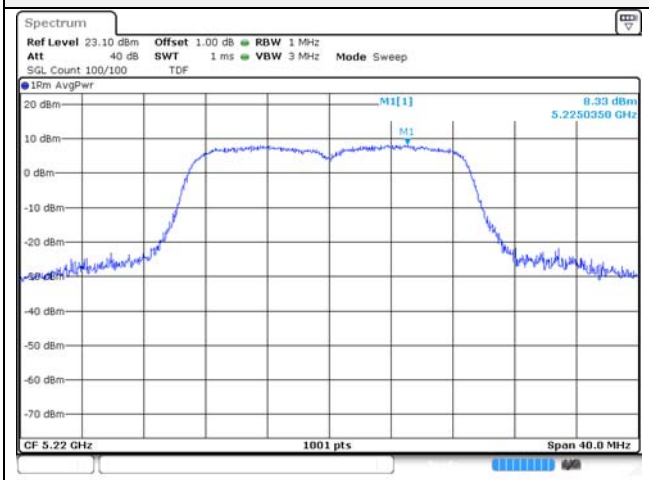
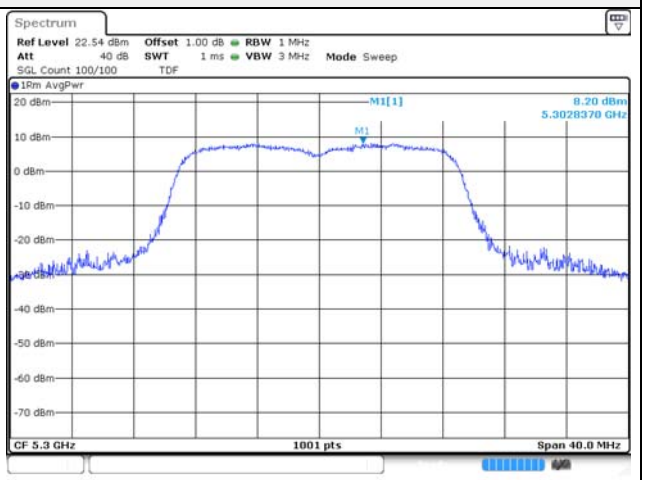
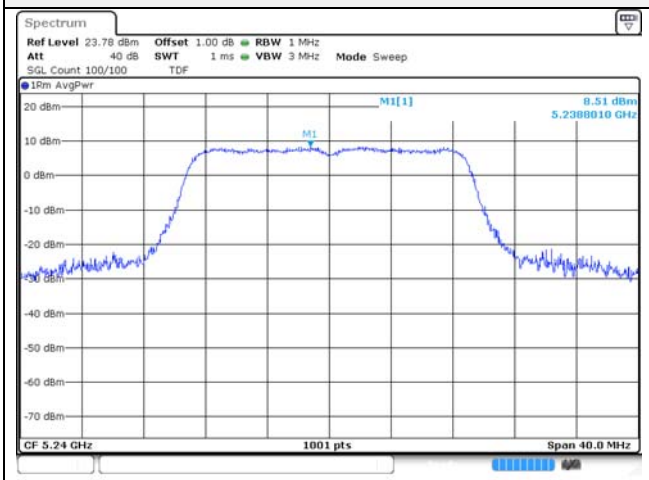
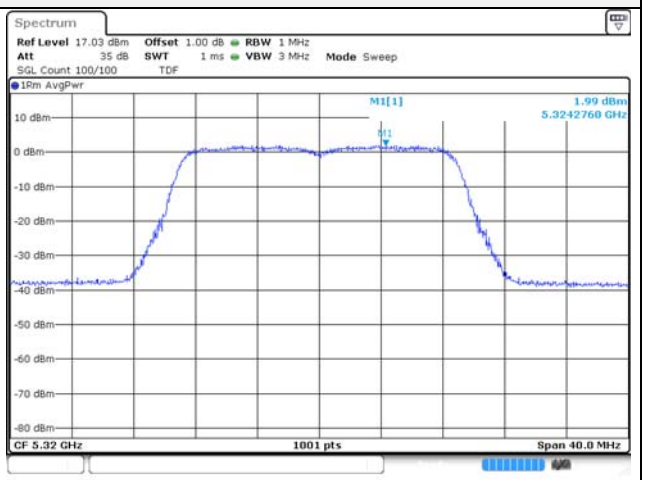
UNII-1 / 802.11a / 5 240 ㎒

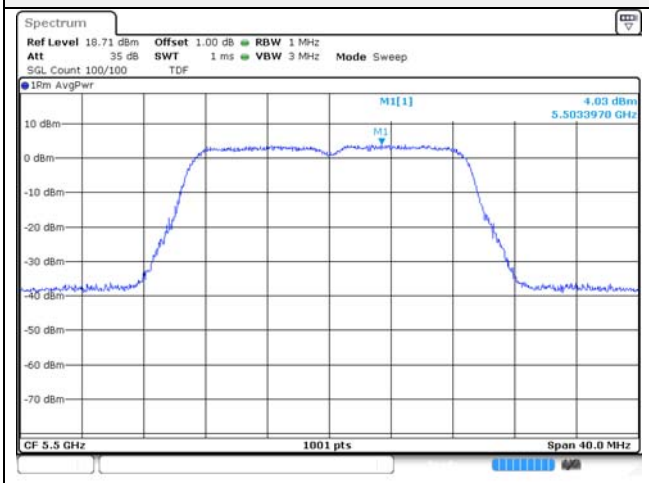
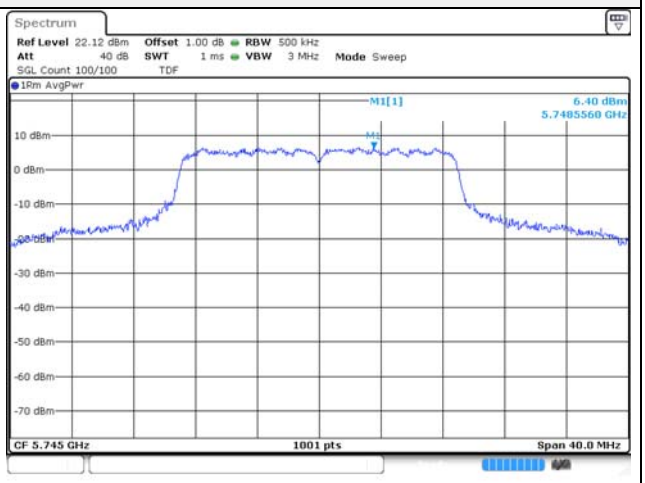
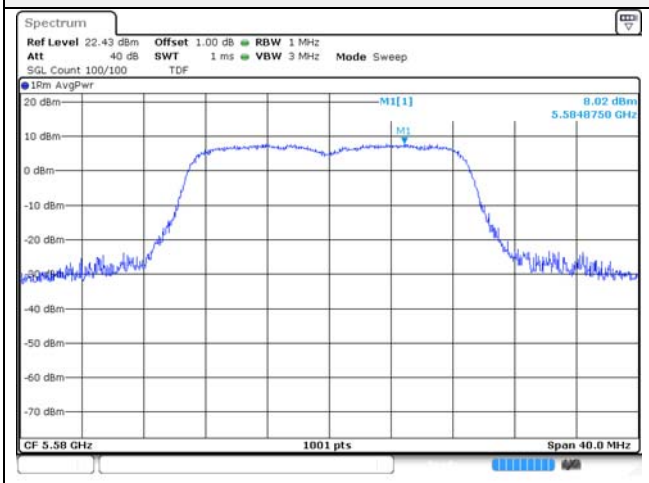
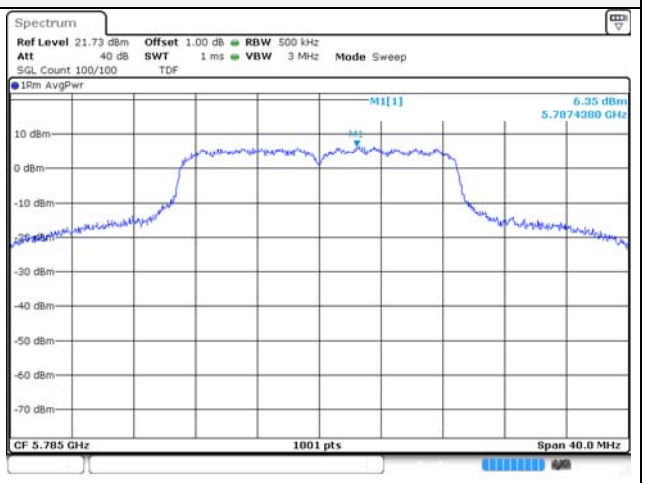
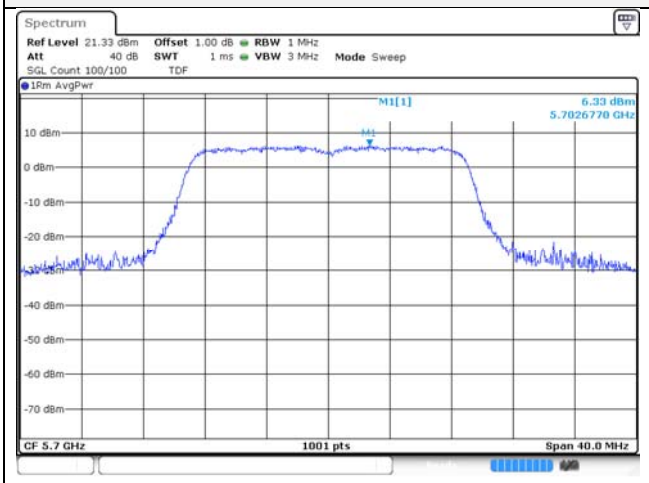
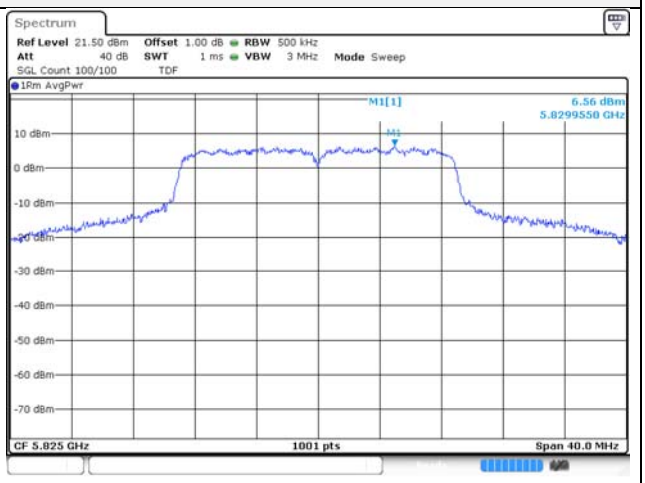


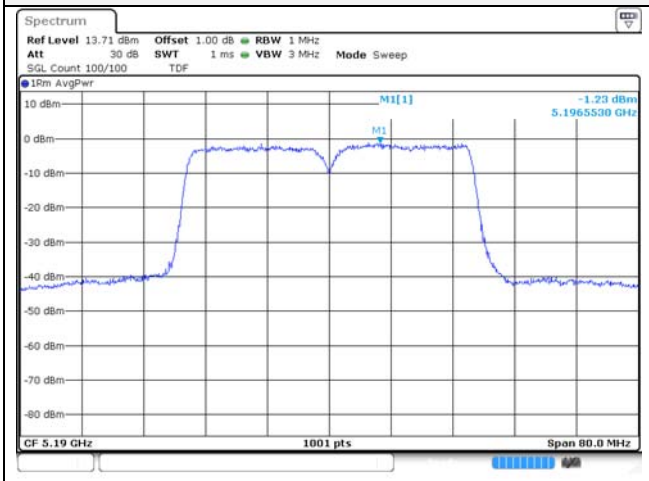
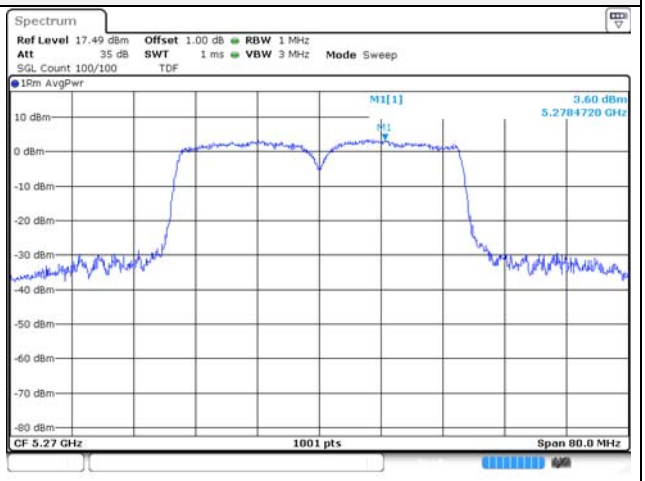
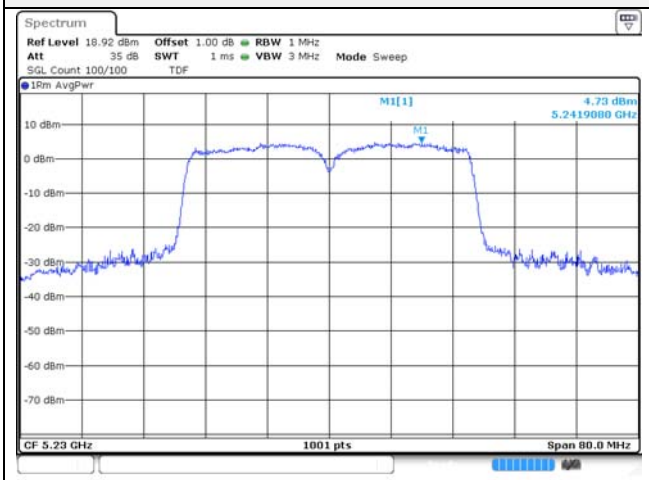
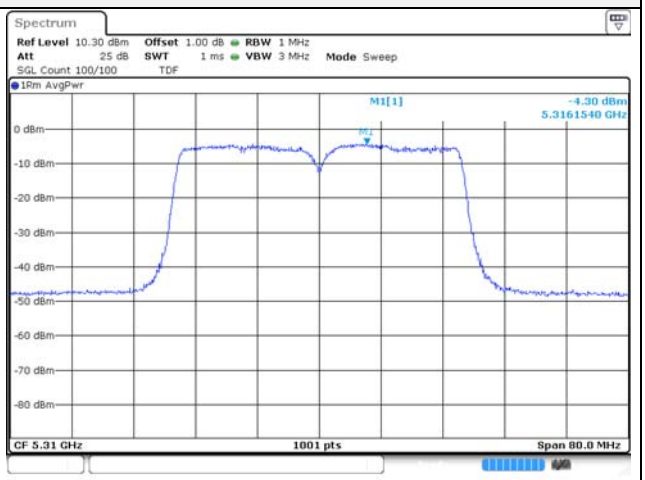
UNII-2A / 802.11a / 5 320 ㎒

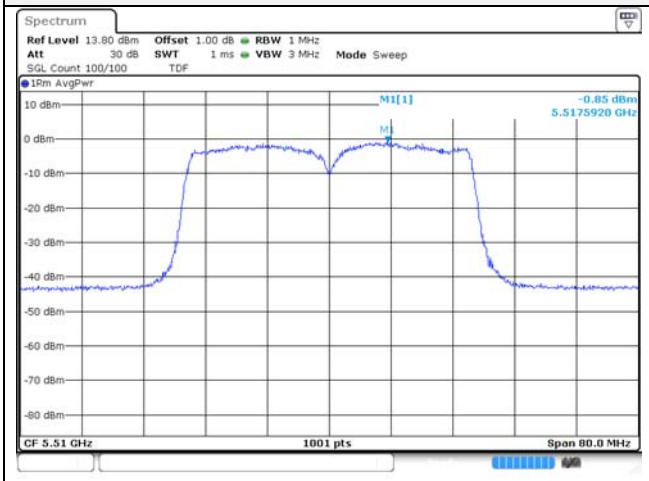
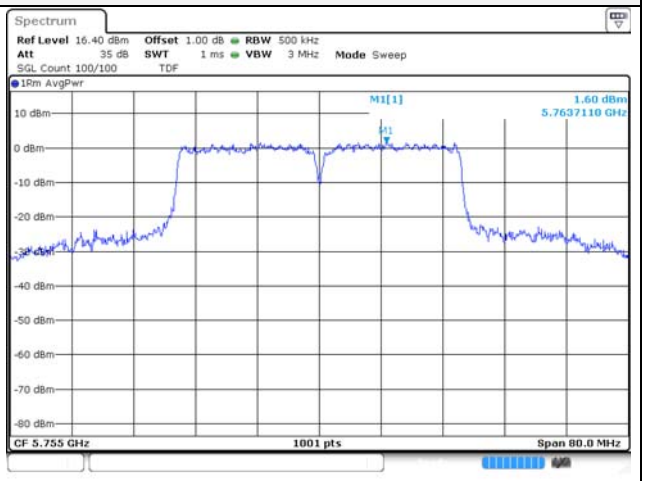
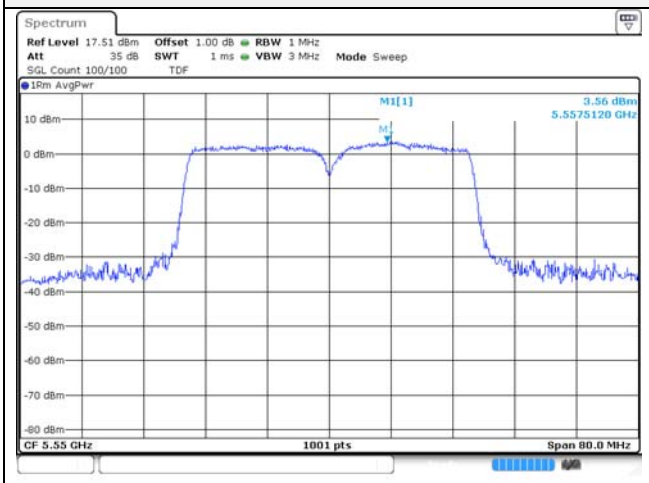
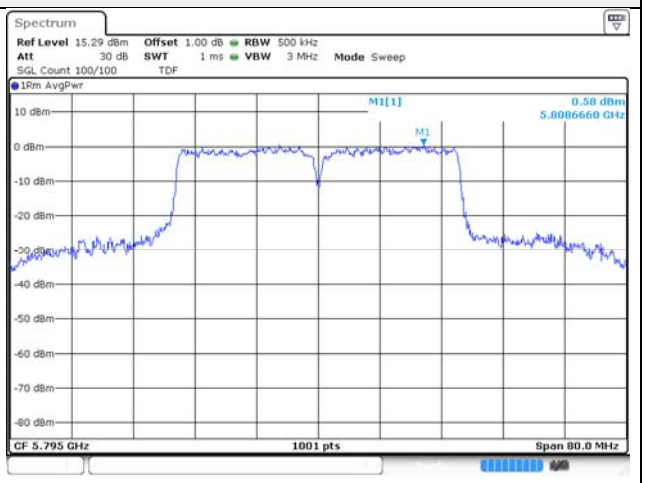
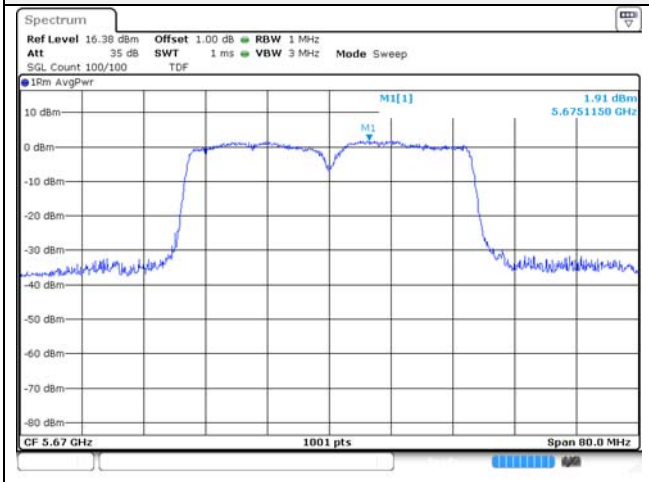


UNII-2C / 802.11a / 5 500 ㎒	UNII-3 / 802.11a / 5 745 ㎒
	
UNII-2C / 802.11a / 5 580 ㎒	**UNII-3 / 802.11a / 5 785 ㎒**
	
UNII-2C / 802.11a / 5 700 ㎒	**UNII-3 / 802.11a / 5 825 ㎒**
	

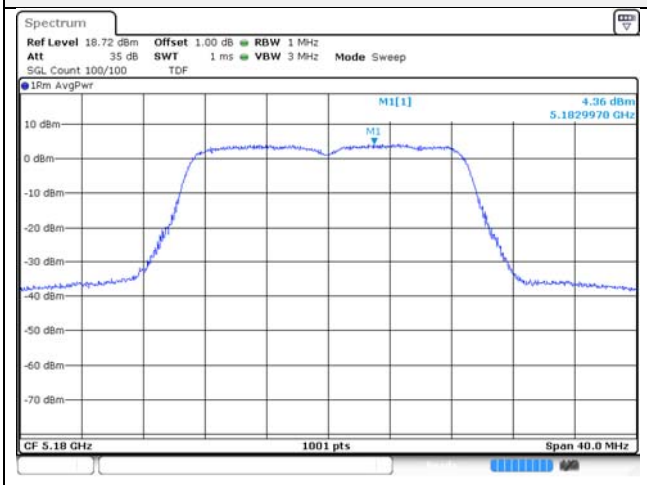
UNII-1 / 802.11n HT20 / 5 180 ㎒	UNII-2A / 802.11n HT20 / 5 260 ㎒
	
UNII-1 / 802.11n HT20 / 5 220 ㎒	**UNII-2A / 802.11n HT20 / 5 300 ㎒**
	
UNII-1 / 802.11n HT20 / 5 240 ㎒	**UNII-2A / 802.11n HT20 / 5 320 ㎒**
	

UNII-2C / 802.11n HT20 / 5 500 ㎒	UNII-3 / 802.11n HT20 / 5 745 ㎒
	
UNII-2C / 802.11n HT20 / 5 580 ㎒	**UNII-3 / 802.11n HT20 / 5 785 ㎒**
	
UNII-2C / 802.11n HT20 / 5 700 ㎒	**UNII-3 / 802.11n HT20 / 5 825 ㎒**
	

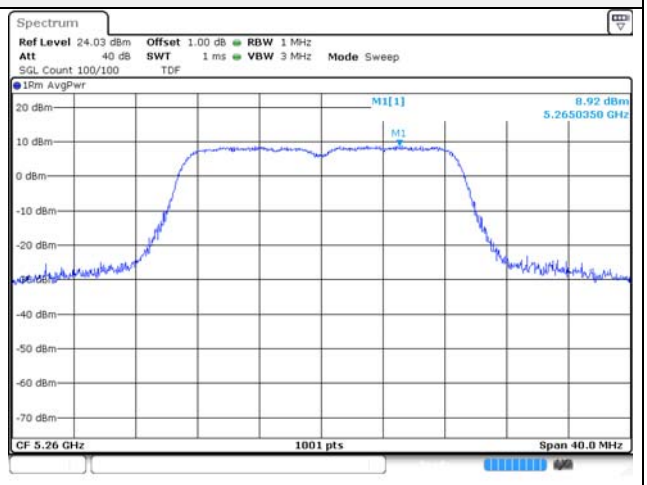
UNII-1 / 802.11n HT40 / 5 190 ㎒	UNII-2A / 802.11n HT40 / 5 270 ㎒
	
UNII-1 / 802.11n HT40 / 5 230 ㎒	**UNII-2A / 802.11n HT40 / 5 310 ㎒**
	

UNII-2C / 802.11n HT40 / 5 510 ㎒	UNII-3 / 802.11n HT40 / 5 755 ㎒
	
UNII-2C / 802.11n HT40 / 5 550 ㎒	**UNII-3 / 802.11n HT40 / 5 795 ㎒**
	
UNII-2C / 802.11n HT40 / 5 670 ㎒	
	Blank

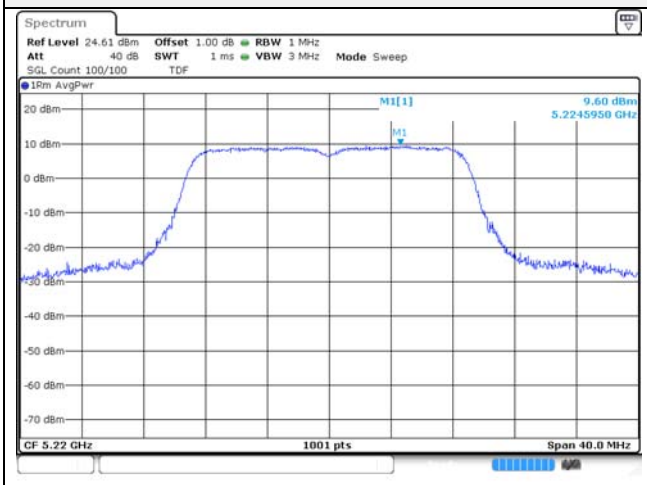
UNII-1 / 802.11ac VHT20 / 5 180 ㎒



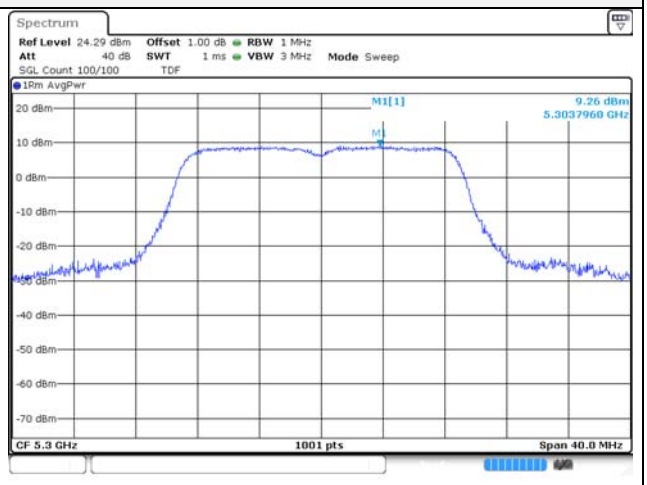
UNII-2A / 802. 11ac VHT20 / 5 260 ㎒



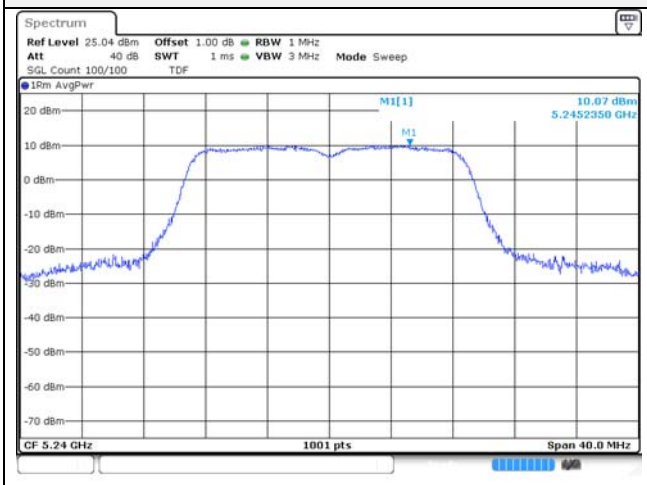
UNII-1 / 802. 11ac VHT20 / 5 220 ㎒



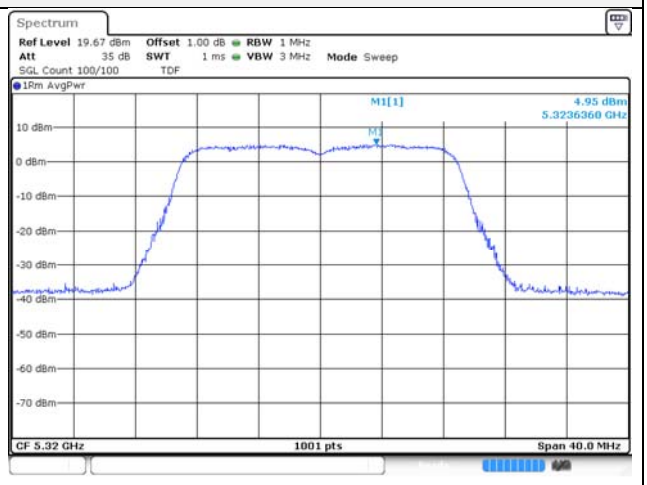
UNII-2A / 802. 11ac VHT20 / 5 300 ㎒

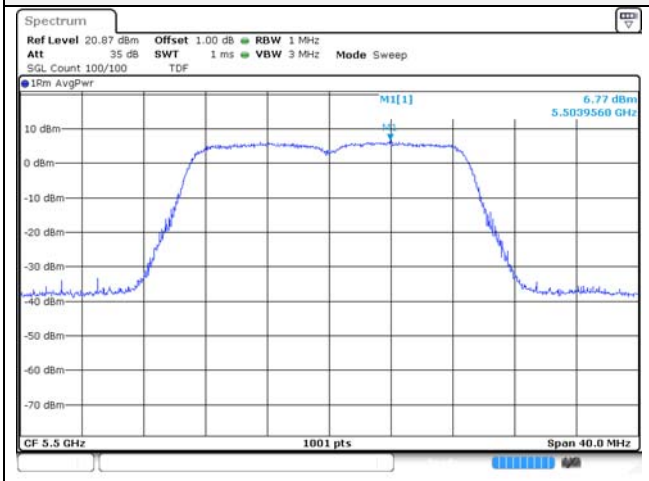
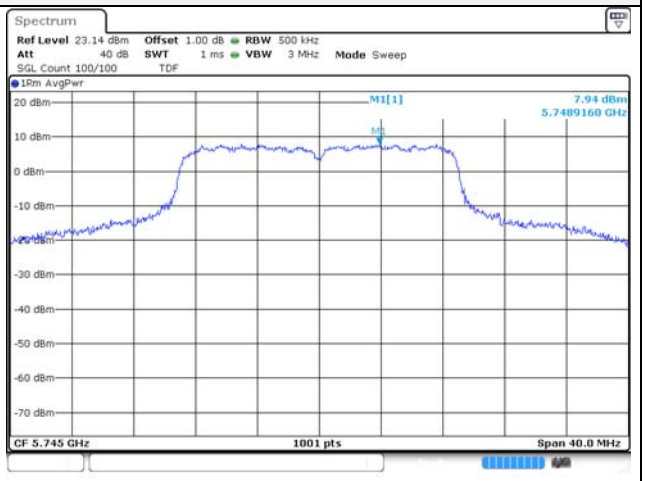
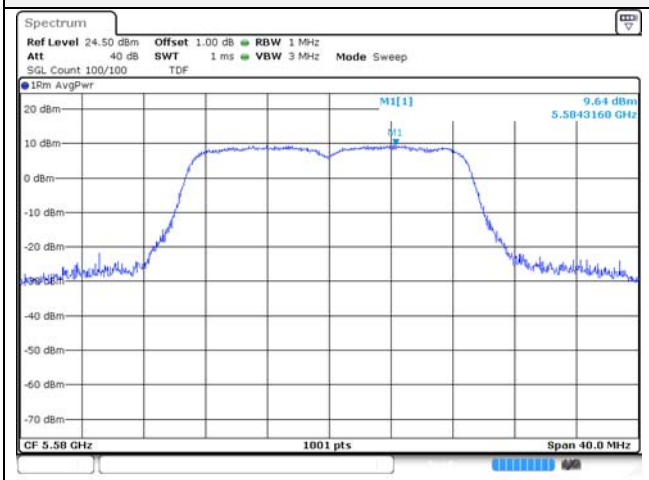
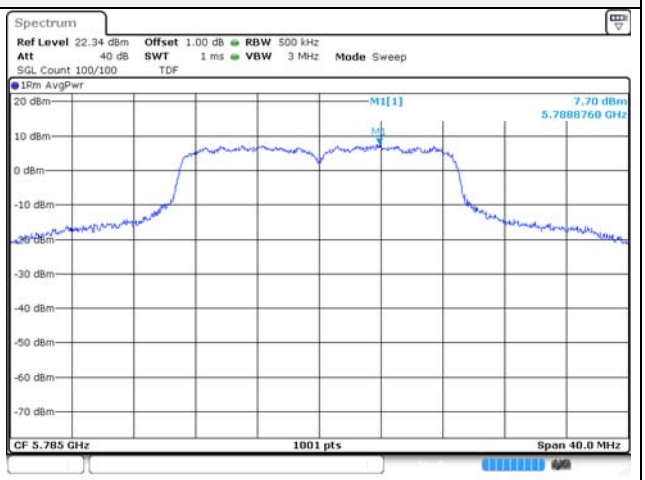
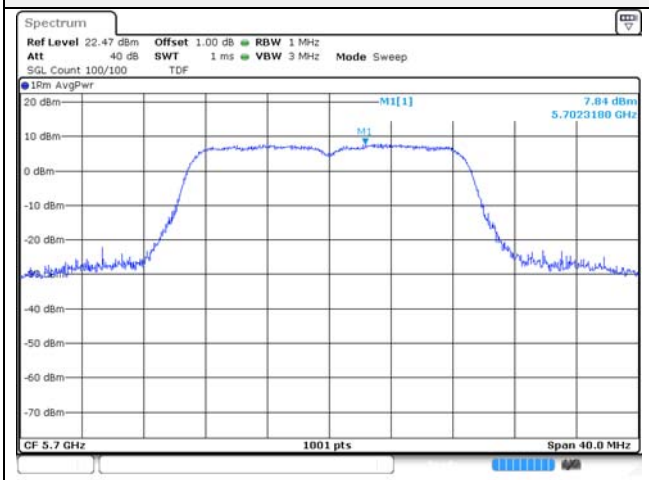
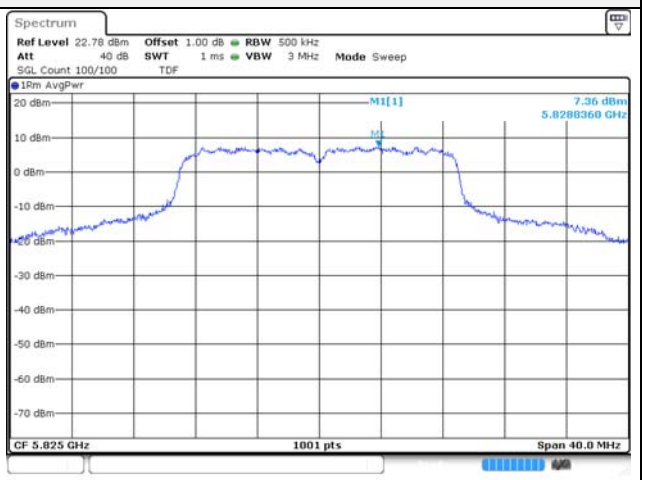


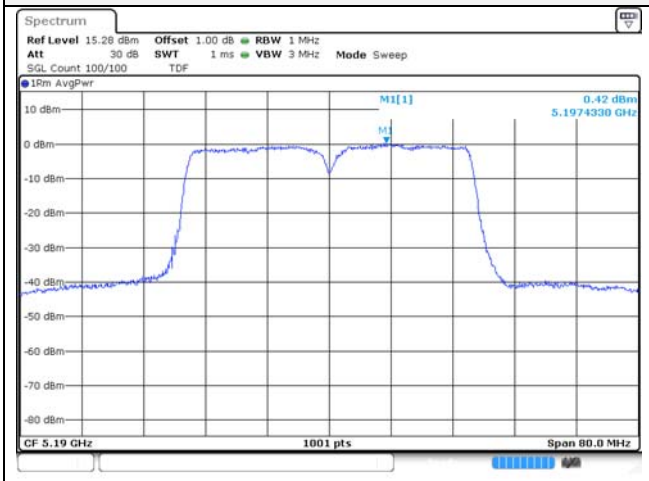
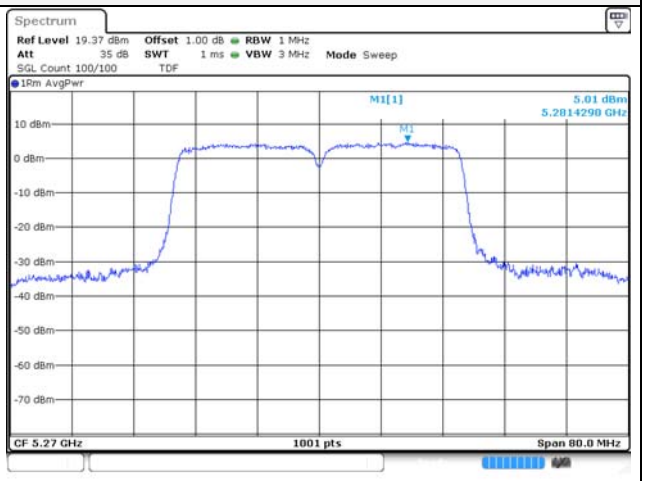
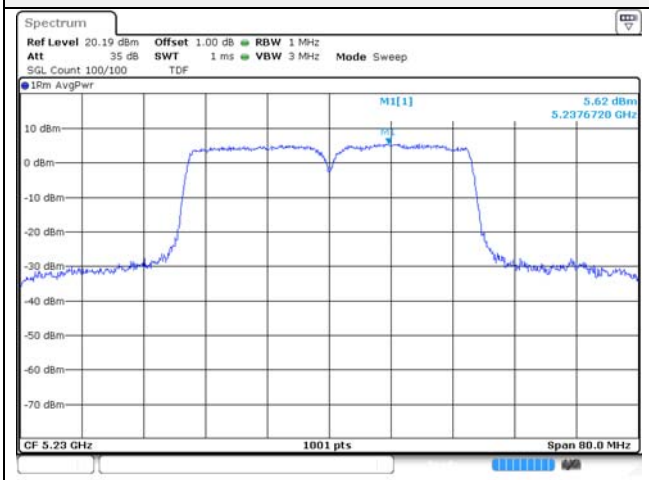
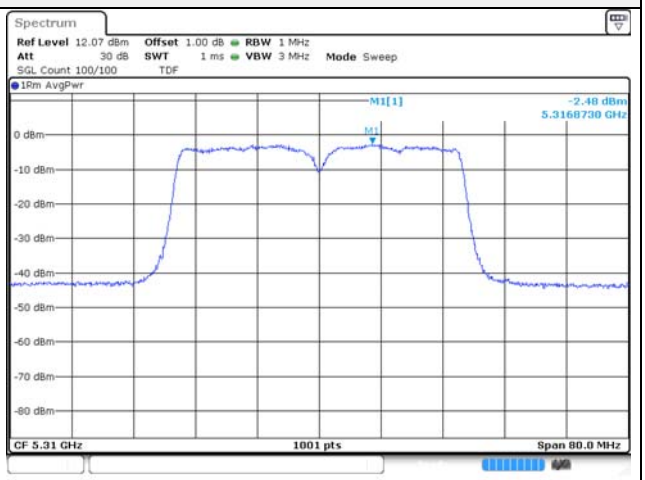
UNII-1 / 802. 11ac VHT20 / 5 240 ㎒

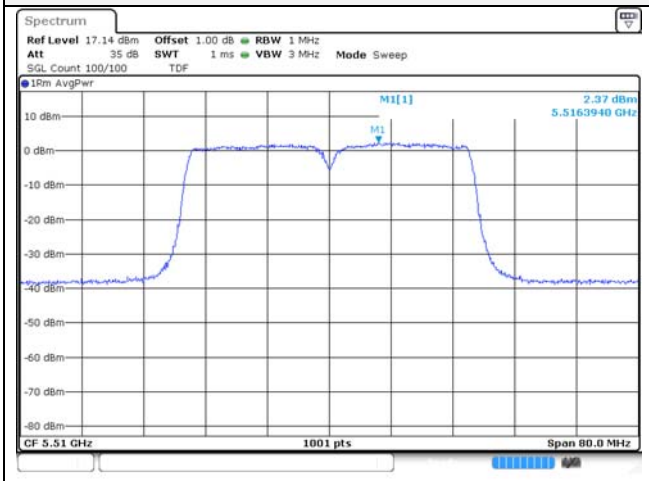
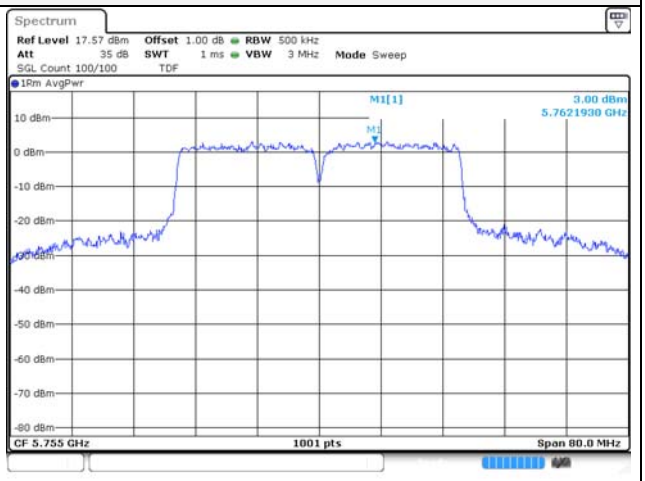
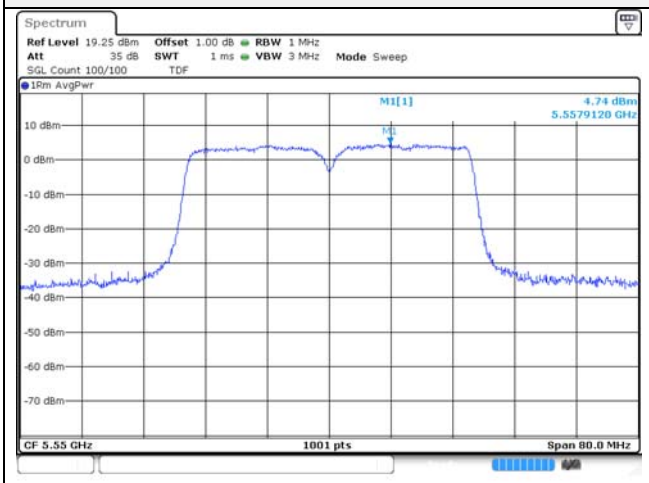
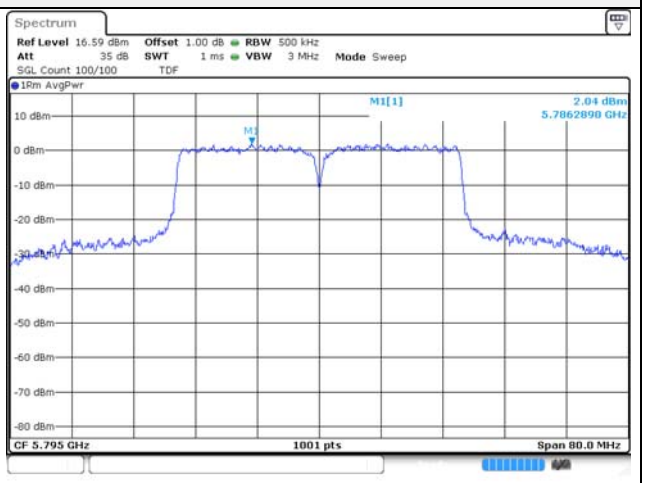
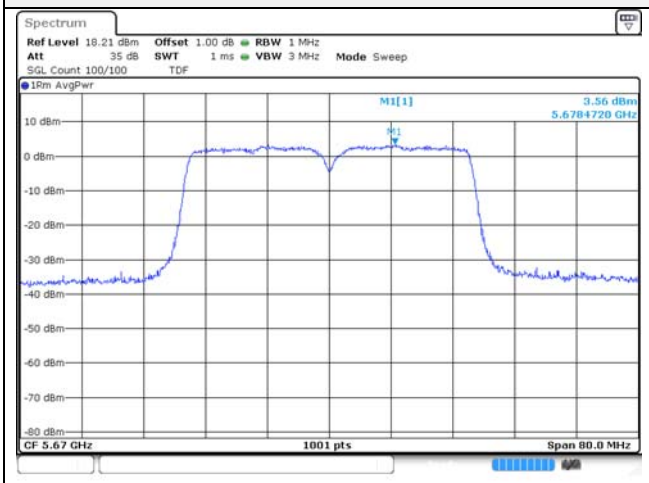


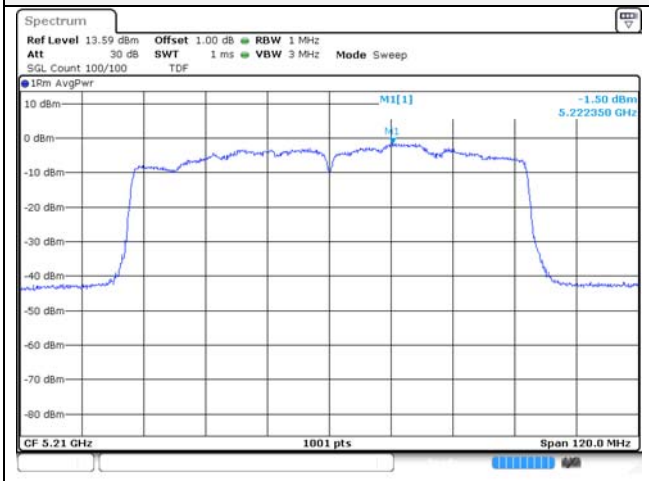
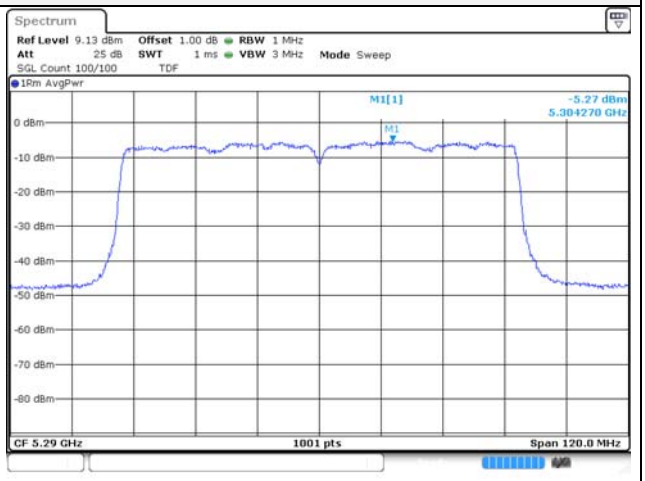
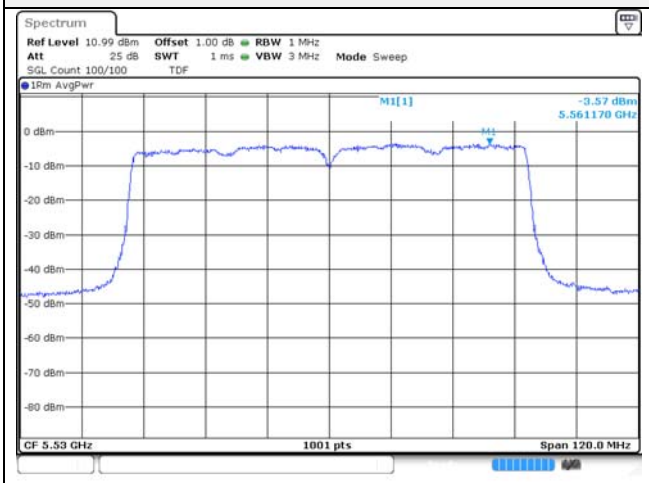
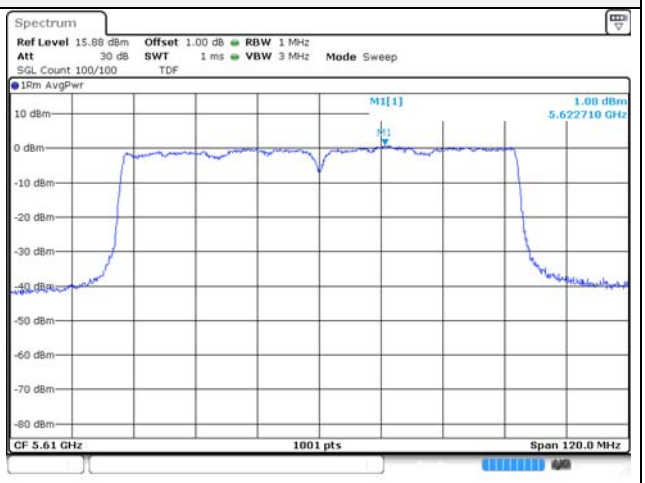
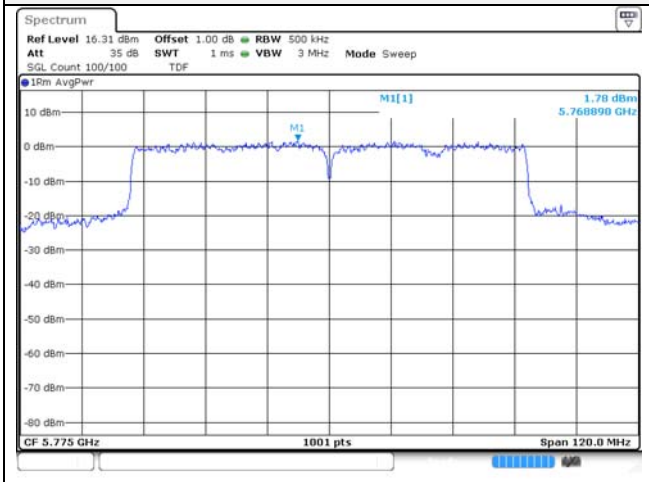
UNII-2A / 802. 11ac VHT20 / 5 320 ㎒



UNII-2C / 802.11ac VHT20 / 5 500 ㎒	UNII-3 / 802.11ac VHT20 / 5 745 ㎒
	
UNII-2C / 802.11ac VHT20 / 5 580 ㎒	**UNII-3 / 802.11ac VHT20 / 5 785 ㎒**
	
UNII-2C / 802.11ac VHT20 / 5 700 ㎒	**UNII-3 / 802.11ac VHT20 / 5 825 ㎒**
	

UNII-1 / 802.11ac VHT40 / 5 190 ㎒	UNII-2A / 802.11ac VHT40 / 5 270 ㎒
	
UNII-1 / 802.11ac VHT40 / 5 230 ㎒	**UNII-2A / 802.11ac VHT40 / 5 310 ㎒**
	

UNII-2C / 802.11ac VHT40 / 5 510 ㎒	UNII-3 / 802.11ac VHT40 / 5 755 ㎒
	
UNII-2C / 802.11ac VHT40 / 5 550 ㎒	**UNII-3 / 802.11ac VHT40 / 5 795 ㎒**
	
UNII-2C / 802.11ac VHT40 / 5 670 ㎒	
	Blank

UNII-1 / 802.11ac VHT80 / 5 210 ㎒	UNII-2A / 802.11ac VHT80 / 5 290 ㎒
	
UNII-2C / 802.11ac VHT80 / 5 530 ㎒	**UNII-2C / 802.11ac VHT80 / 5 610 ㎒**
	
UNII-3 / 802.11ac VHT80 / 5 775 ㎒	
	Blank

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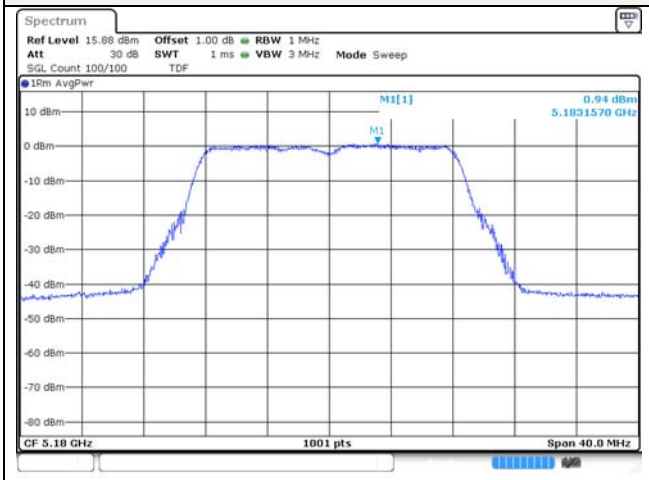
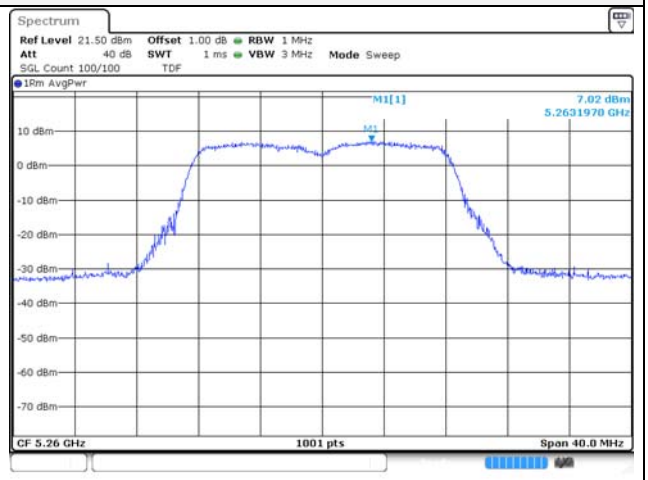
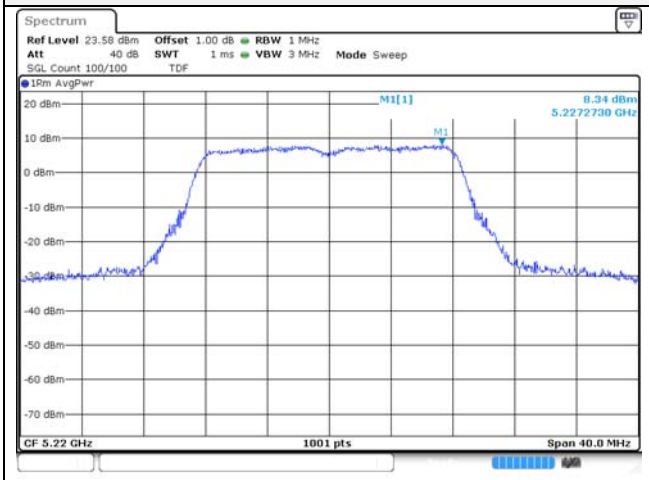
UNII-1 / 802.11a / 5 180 ㎒



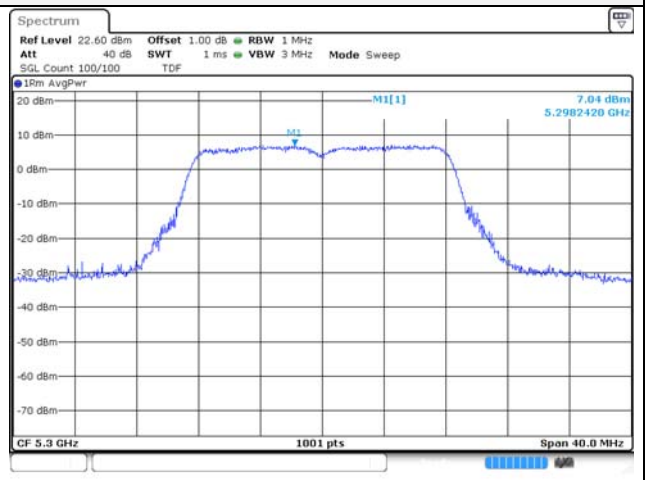
UNII-2A / 802.11a / 5 260 ㎒



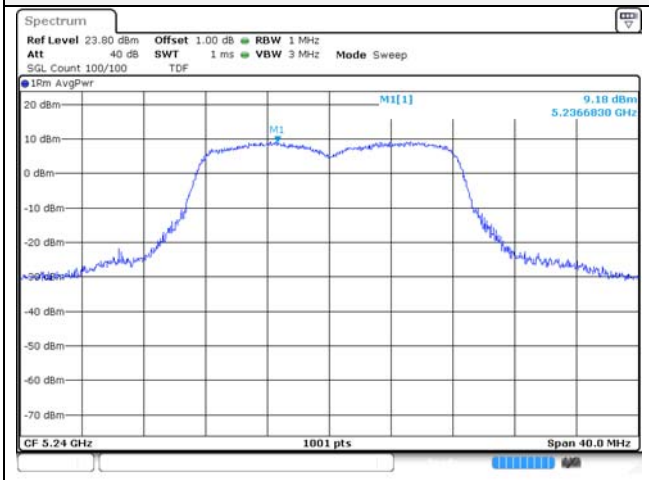
UNII-1 / 802.11a / 5 220 ㎒



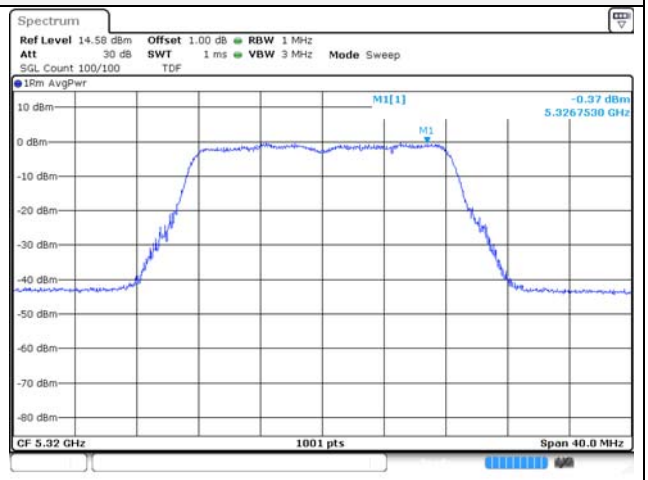
UNII-2A / 802.11a / 5 300 ㎒

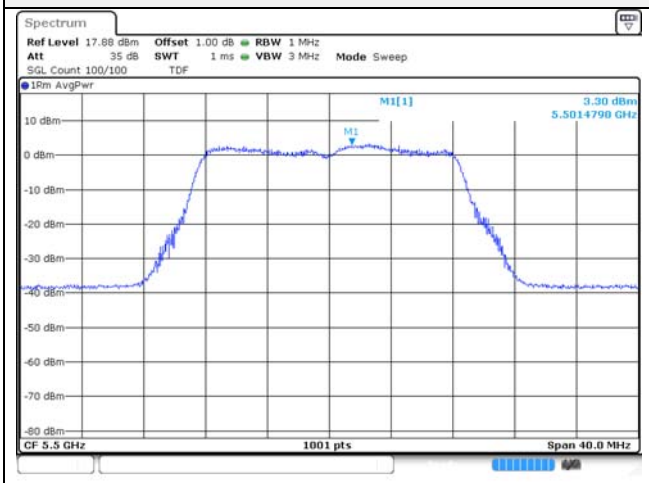
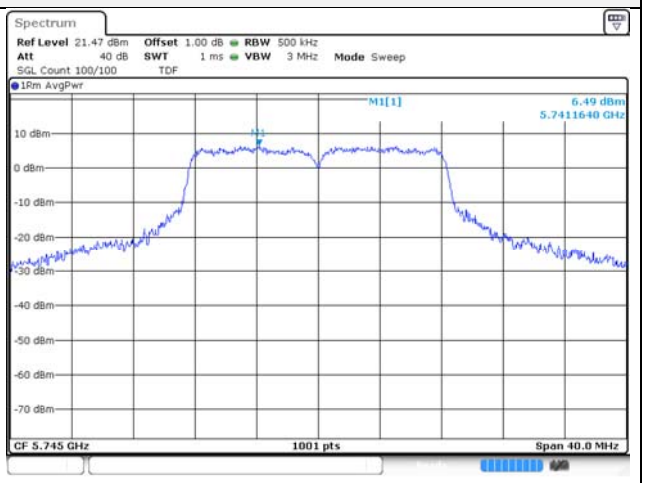


UNII-1 / 802.11a / 5 240 ㎒



UNII-2A / 802.11a / 5 320 ㎒



UNII-2C / 802.11a / 5 500 ㎒	UNII-3 / 802.11a / 5 745 ㎒
	
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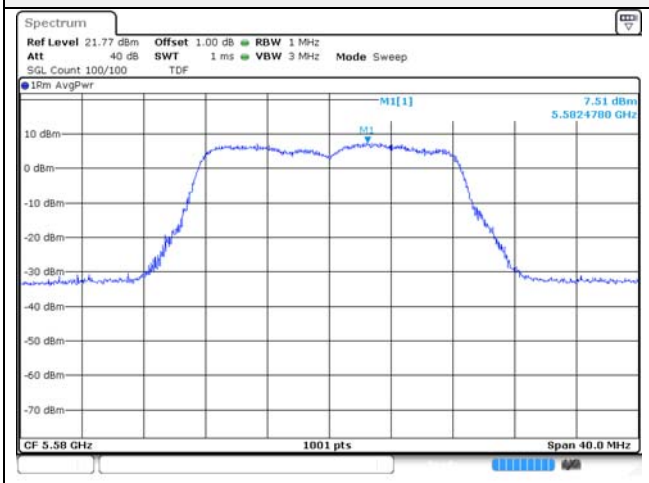	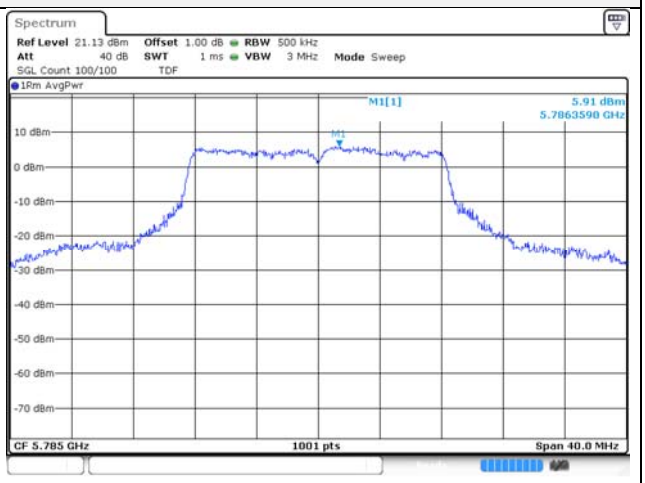
UNII-2C / 802.11a / 5 700 ㎒	**UNII-3 / 802.11a / 5 825 ㎒**