

Report on the RF Testing of:

KYOCERA Corporation
Mobile Phone, Model: EB1220
FCC ID: JOYEB1220



In accordance with FCC Part15 Subpart E

Prepared for: KYOCERA Corporation
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COMMERCIAL-IN-CONFIDENCE

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SIGNATURE			
NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Hiroaki Suzuki	RF Deputy Manager of EMC Lab	Approved Signatory	2026.02.02

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EXECUTIVE SUMMARY – Result: Complied

A sample(s) of this product was tested and the result above was confirmed in accordance with FCC Part15 Subpart E.



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Contents

1	Summary of Test	3
1.1	Modification history of the test report	3
1.2	Standards	3
1.3	Test methods.....	3
1.4	Deviation from standards	3
1.5	List of applied test(s) of the EUT	3
1.6	Test information.....	3
1.7	Test set up.....	3
1.8	Test period	3
2	Equipment Under Test.....	4
2.1	EUT information	4
2.2	Modification to the EUT	5
2.3	Variation of family model(s).....	6
2.4	Operating channels and frequencies	7
2.5	Description of test mode	8
2.6	Operating flow	9
3	Configuration of Equipment.....	10
3.1	Equipment used	10
3.2	Cable(s) used	10
3.3	System configuration	10
4	Test Result	11
4.1	26dB Bandwidth and 99% Occupied Bandwidth.....	11
4.2	Maximum Conducted Output Power	44
4.3	Peak Power Spectral Density	81
4.4	Radiated Emissions (Restricted Bands of Operation).....	114
4.5	Frequency Stability.....	183
4.6	AC Power Line Conducted Emissions	187
4.7	Duty Cycle	192
5	Antenna requirement	201
6	Measurement uncertainty.....	202
7	Laboratory Information.....	204
	Appendix A. Test Equipment.....	204

1 Summary of Test

1.1 Modification history of the test report

Document Number	Modification History	Issue Date
JPD-TR-25113-0	First Issue	Refer to the cover page

1.2 Standards

CFR47 FCC Part 15 Subpart E

1.3 Test methods

ANSI C63.10-2020

KDB662911 D01 Multiple Transmitter Output v02r01

KDB789033 D02 General U-NII Test Procedures New Rules v02r01

1.4 Deviation from standards

None

1.5 List of applied test(s) of the EUT

Test item section	Test item	Condition	Result	Remark
15.407(a)	26dB Bandwidth	Conducted	Reporting Purposes only	-
15.407(a)	Maximum Conducted Output Power	Conducted	PASS	-
15.407(a)	Peak Power Spectral Density	Conducted	PASS	-
15.407(b) 15.205 15.209	Radiated emissions (Restricted Bands of Operation)	Radiated	PASS	-
15.407(g)	Frequency Stability	Conducted	PASS	-
15.207	AC Power Line Conducted Emissions	Conducted	PASS	-
ANSI C63.10, Section 12.2	Duty Cycle	Conducted	Reporting Purposes only	

1.6 Test information

None

1.7 Test set up

Table-top

1.8 Test period

5-November-2025 - 12-December-2025

2 Equipment Under Test

All information in this chapter was provided by the applicant.

2.1 EUT information

Applicant	KYOCERA Corporation Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi, Kanagawa, Japan Phone: +81-90-6100-4946
Equipment Under Test (EUT)	Mobile Phone
Model number	EB1220
Serial number	353379980000799, 353379980008909
Trade name	Kyocera
Number of sample(s)	2
EUT condition	Pre-Production
Power rating	Battery: DC 3.87 V USB: DC 5.0 - 9.0V 2.0A
Size	(W) 75 mm × (D) 14.6 mm × (H) 157 mm
Environment	Indoor and Outdoor use
Terminal limitation	-20 °C to 60 °C
Hardware version	DMT1
Software version	0.070KB.0015.a
Firmware version	Not applicable
RF Specification	
Protocol	IEEE802.11a, IEEE802.11n (HT20), IEEE802.11n (HT40) IEEE802.11ac (VHT20), IEEE802.11ac (VHT40), IEEE802.11ac (VHT80)
Frequency range	IEEE802.11a/n (HT20) / IEEE802.11ac (VHT20): 5180 MHz-5320 MHz, 5500 MHz-5720 MHz IEEE802.11n (HT40) / IEEE802.11ac (VHT40): 5190 MHz-5310 MHz, 5510 MHz-5710 MHz IEEE802.11ac (VHT80): 5210 MHz, 5290 MHz, 5530 MHz, 5610 MHz, 5690MHz
Number of RF Channels	IEEE802.11a/n (HT20) / IEEE802.11ac (VHT20): 20 Channels IEEE802.11n (HT40) / IEEE802.11ac (VHT40): 10 Channels IEEE802.11ac (VHT80): 5 Channels
Modulation type	IEEE802.11a/n/ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)

Data rate	IEEE802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE802.11n (HT20 LGI): 6.5, 13, 19.5, 26, 39, 52, 58.5, 65, 78, 86.5Mbps IEEE802.11n (HT20 SGI): 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7, 96.1Mbps IEEE802.11ac (VHT20 LGI): 6.5, 13, 19.5, 26, 39, 52, 58.5, 65, 78, 86.5Mbps IEEE802.11ac (VHT20 SGI): 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.6, 96.1Mbps IEEE802.11n (HT40 LGI): 13.5, 27, 40.5, 54, 81, 108, 121.5, 135, 162, 180Mbps IEEE802.11n (HT40 SGI): 15, 30, 45, 60, 90, 120, 135, 150, 180, 200Mbps IEEE802.11ac (VHT40 LGI): 13.5, 27, 40.5, 54, 81, 108, 121.5, 135, 162, 180Mbps IEEE802.11ac (VHT40 SGI): 15, 30, 45, 60, 90, 120, 135, 150, 180, 200Mbps IEEE802.11ac (VHT80 LGI): 29.5, 58.5, 87.8, 117, 175.5, 234, 263.3, 292.5, 351, 390Mbps IEEE802.11ac (VHT80 SGI): 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3Mbps
Channel separation	IEEE802.11a/n(HT20) / IEEE802.11ac (VHT20): 20 MHz IEEE802.11n (HT40) / IEEE802.11ac (VHT40): 40 MHz IEEE802.11ac (VHT80): 80 MHz
Conducted power	9.592 mW (IEEE802.11a) 8.830 mW (IEEE802.11n: HT20) 9.745 mW (IEEE802.11n: HT40) 11.486 mW (IEEE802.11ac: VHT80)
Antenna type	Internal antenna
Antenna gain	Chain 0 5.15-5.25 GHz band: 0.3 dBi 5.25-5.35 GHz band: 1.3 dBi 5.47-5.725 GHz band: 2.6 dBi Chain 1 5.15-5.25 GHz band: 1.0 dBi 5.25-5.35 GHz band: 1.1 dBi 5.47-5.725 GHz band: 2.2 dBi

2.2 Modification to the EUT

The table below details modifications made to the EUT during the test project.

Modification State	Description of Modification	Modification fitted by	Date of Modification
Model: EB1220 Serial Number: 353379980000799, 3533799800008909			
0	As supplied by the applicant	Not Applicable	Not Applicable

2.3 Variation of family model(s)

2.3.1 List of family model(s)

Not applicable

2.3.2 Reason for selection of EUT

Not applicable

2.4 Operating channels and frequencies

[IEEE802.11a/n (HT20) / IEEE802.11ac (VHT20)]

Channel	Frequency [MHz]
36	5180
40	5200
44	5220
48	5240
52	5260
56	5280
60	5300
64	5320
100	5500
104	5520
108	5540
112	5560
116	5580
120	5600
124	5620
128	5640
132	5660
136	5680
140	5700
144	5720

[IEEE802.11n (HT40) / IEEE802.11ac (VHT40)]

Channel	Frequency [MHz]
38	5190
46	5230
54	5270
62	5310
102	5510
110	5550
118	5590
126	5630
134	5670
142	5710

[IEEE802.11ac (VHT80)]

Channel	Frequency [MHz]
42	5210
58	5290
106	5530
122	5610
138	5690

2.5 Description of test mode

The EUT had been tested under operating condition.
There are three channels have been tested as following:

Band	IEEE802.11a/n (HT20) IEEE802.11ac (VHT20)		IEEE802.11n (HT40) IEEE802.11ac (VHT40)		IEEE802.11ac (HT80)	
	Channel	Frequency [MHz]	Channel	Frequency [MHz]	Channel	Frequency [MHz]
5.2 GHz Band	36	5180	38	5190	42	5210
	40	5200	-	-	-	-
	48	5240	46	5230	-	-
5.3 GHz Band	52	5260	54	5270	58	5290
	56	5280	-	-	-	-
	64	5320	62	5310	-	-
5.6 GHz Band	100	5500	102	5510	106	5530
	116	5580	110	5550	122	5610
	140	5700	134	5670	138	5690
	144	5720	142	5710	-	-

The pre-test has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.

Band	Modulation Type	Data Rate
5.2 GHz Band	IEEE802.11a: OFDM	6Mbps
	IEEE802.11n (HT20): OFDM	MCS0 (6.5Mbps)
	IEEE802.11n (HT40): OFDM	MCS0 (13.5Mbps)
	IEEE802.11ac (VHT80): OFDM	MCS0 (29.5Mbps)
5.3 GHz Band	IEEE802.11a: OFDM	6Mbps
	IEEE802.11n (HT20): OFDM	MCS0 (6.5Mbps)
	IEEE802.11n (HT40): OFDM	MCS0 (13.5Mbps)
	IEEE802.11ac (VHT80): OFDM	MCS0 (29.5Mbps)
5.6 GHz Band	IEEE802.11a: OFDM	6Mbps
	IEEE802.11n (HT20): OFDM	MCS0 (6.5Mbps)
	IEEE802.11n (HT40): OFDM	MCS0 (13.5Mbps)
	IEEE802.11ac (VHT80): OFDM	MCS0 (29.5Mbps)

The field strength of spurious emissions was measured at each position of all three axis X, Y and Z to compare the level, and the maximum noise.

The worst emission was found in Y-axis, and the worst case recorded.

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports.

2.6 Operating flow

- Tx mode

- i) Test program setup to the Software
- ii) Select a Test mode
Operating frequency: 5.2GHz Band, 5.3GHz Band, 5.6GHz Band
- iii) Start test mode

- Rx mode

- i) Test program setup to the Software
- ii) Select a Test mode
Operating frequency: 5.2GHz Band, 5.3GHz Band, 5.6GHz Band
- iii) Start test mode

3 Configuration of Equipment

Numbers assigned to equipment on the diagram in “3.3 System configuration” correspond to the lists in “3.1 Equipment used” and “3.2 Cable(s) used”.

This test configuration is based on the manufacture’s instruction.

Cabling and setup(s) were taken into consideration and test data was taken under worse case condition.

3.1 Equipment used

No.	Equipment	Company	Model No.	Serial No.	FCC ID/DoC	Comment
1	Mobile Phone	KYOCERA	EB1220	353379980000799, 3533799800008909	JOYEB1220	EUT
2	AC Adapter	KDDI	0602PQA	N/A	N/A	*

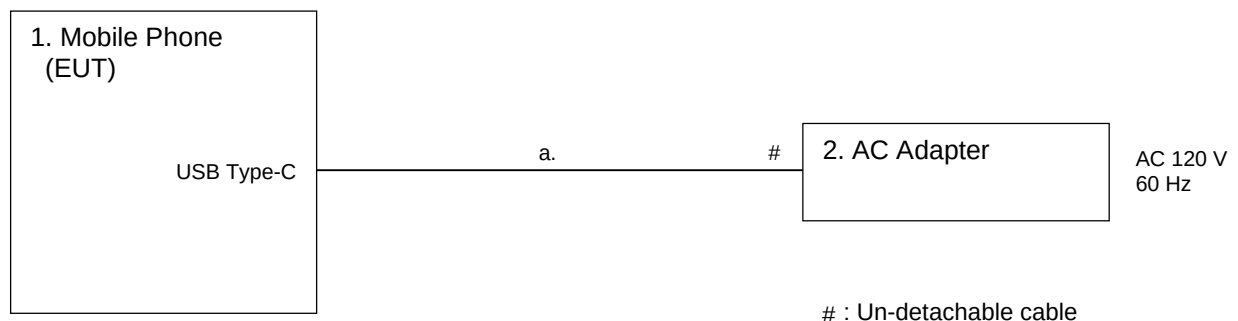
*: AC power line Conducted Emission Test.

3.2 Cable(s) used

No.	Equipment	Length[m]	Shield	Connector	Comment
a	USB cable (for AC Adapter)	1.5	No	Plastic	*

*: AC power line Conducted Emission Test.

3.3 System configuration



4 Test Result

4.1 26dB Bandwidth and 99% Occupied Bandwidth

4.1.1 Measurement procedure

[FCC 15.407(a), KDB 789033 D02, Section C, D]

The 26dB bandwidth and 99% occupied bandwidth is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;

- RBW= RBW=200 kHz/500 kHz/1 MHz, VBW=1 MHz/2 MHz/3 MHz, Span=40 MHz/80 MHz/160 MHz
- Sweep=auto, Detector=Peak, Trace mode=Max hold

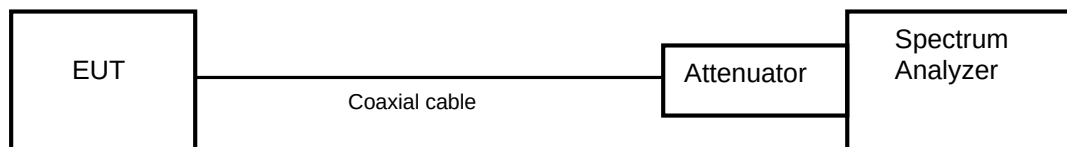
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.

- Tx mode

- Test configuration



4.1.2 Limit

None

4.1.3 Measurement result

Date : 5-December-2025
 Temperature : 20.3 [°C]
 Humidity : 47.5 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 8-December-2025
 Temperature : 19.4 [°C]
 Humidity : 46.1 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11a	5.2GHz Band	36	5180	16.3836	19.820
		40	5200	16.3836	19.660
		48	5240	16.3437	19.540
	5.3GHz Band	52	5260	16.3836	19.700
		56	5280	16.3836	19.421
		64	5320	16.3437	19.660
	5.6GHz Band	100	5500	16.3437	19.580
		116	5580	16.3836	19.421
		140	5700	16.3437	19.660
		144	5720	16.3836	19.381

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11n (20MHz)	5.2GHz Band	36	5180	17.5425	20.979
		40	5200	17.5425	20.659
		48	5240	17.5824	20.579
	5.3GHz Band	52	5260	17.5425	20.380
		56	5280	17.5425	20.380
		64	5320	17.5425	20.500
	5.6GHz Band	100	5500	17.5425	20.539
		116	5580	17.5425	20.619
		140	5700	17.5425	20.699
		144	5720	17.5425	20.859

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11n (40MHz)	5.2GHz Band	38	5190	36.0440	40.120
		46	5230	36.0440	40.599
	5.3GHz Band	54	5270	36.0440	40.360
		62	5310	36.1239	40.280
	5.6GHz Band	102	5510	36.0440	40.200
		110	5550	36.0440	40.120
		134	5670	36.1239	40.599
		142	5710	36.0440	40.280

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ac (80MHz)	5.2GHz Band	42	5210	75.2847	81.680
	5.3GHz Band	58	5290	75.4446	81.680
	5.6GHz Band	106	5530	75.2847	82.160
		122	5610	75.4446	81.680
		138	5690	75.2847	80.400

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11a	5.2GHz Band	36	5180	16.3437	19.860
		40	5200	16.3437	19.660
		48	5240	16.3437	19.660
	5.3GHz Band	52	5260	16.3437	19.660
		56	5280	16.3437	19.660
		64	5320	16.3437	19.700
	5.6GHz Band	100	5500	16.3437	19.580
		116	5580	16.3437	19.660
		140	5700	16.3437	19.580
		144	5720	16.3437	19.421

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11n (20MHz)	5.2GHz Band	36	5180	17.5425	20.619
		40	5200	17.5425	20.619
		48	5240	17.5425	20.500
	5.3GHz Band	52	5260	17.5425	20.420
		56	5280	17.5425	20.859
		64	5320	17.5425	20.779
	5.6GHz Band	100	5500	17.5425	20.699
		116	5580	17.5425	20.579
		140	5700	17.5425	20.819
		144	5720	17.5425	20.659

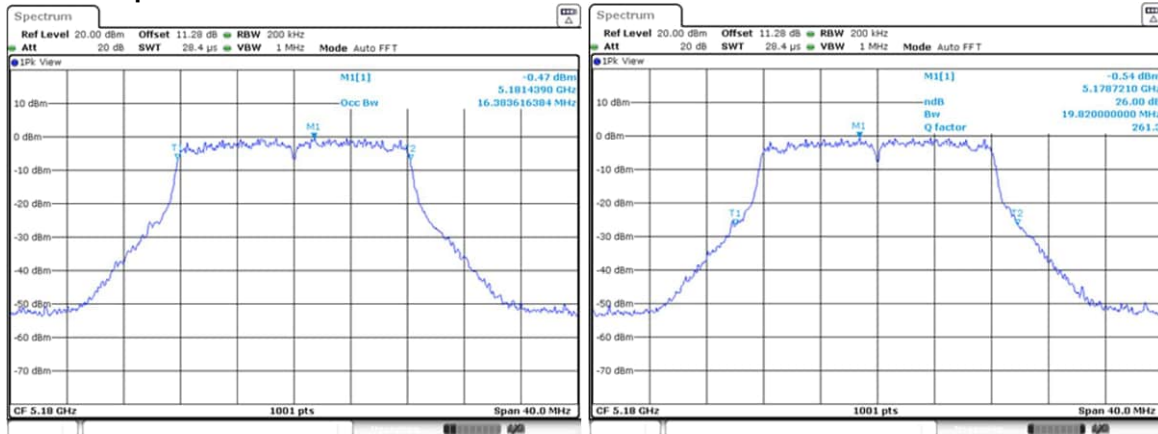
Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11n (40MHz)	5.2GHz Band	38	5190	36.0440	40.599
		46	5230	36.1239	40.040
	5.3GHz Band	54	5270	36.1239	40.839
		62	5310	36.0440	40.200
	5.6GHz Band	102	5510	36.1239	39.960
		110	5550	36.1239	40.200
		134	5670	36.1239	40.440
		142	5710	36.1239	40.360

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ac (80MHz)	5.2GHz Band	42	5210	75.4446	81.520
	5.3GHz Band	58	5290	75.6044	82.000
	5.6GHz Band	106	5530	75.2847	81.840
		122	5610	75.4446	82.160
		138	5690	75.2847	81.840

4.1.4 Trace data

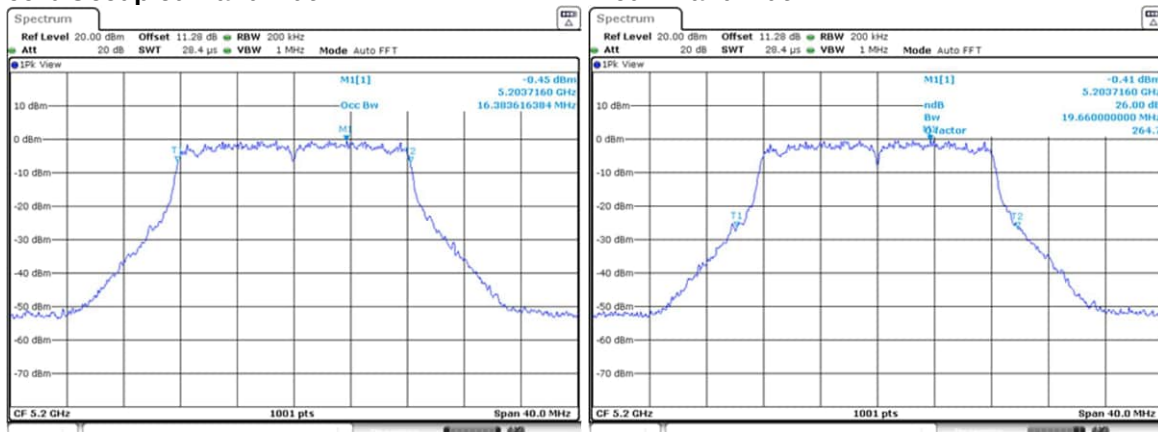
[Chain 0]
[IEEE802.11a]
(5.2 GHz Band)
Channel: 36
99% Occupied Bandwidth

26dB Bandwidth



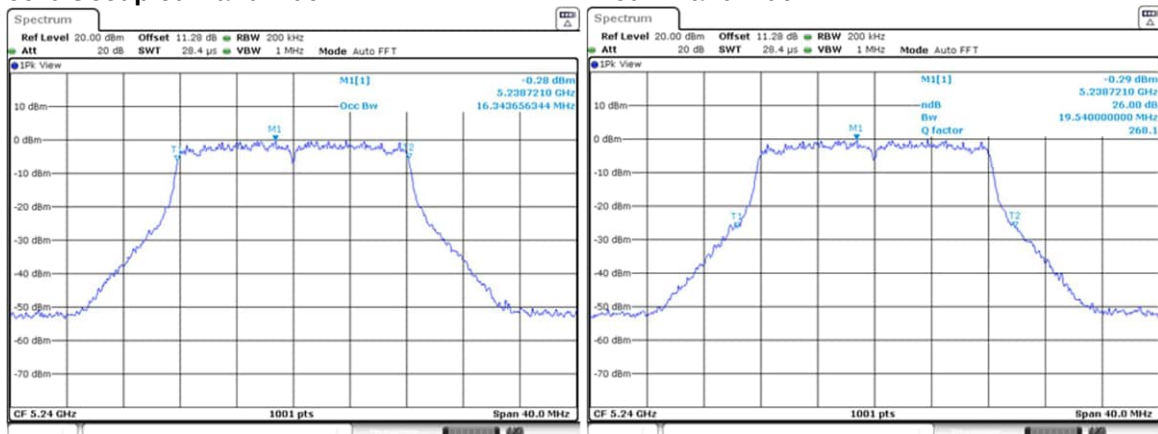
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99% Occupied Bandwidth

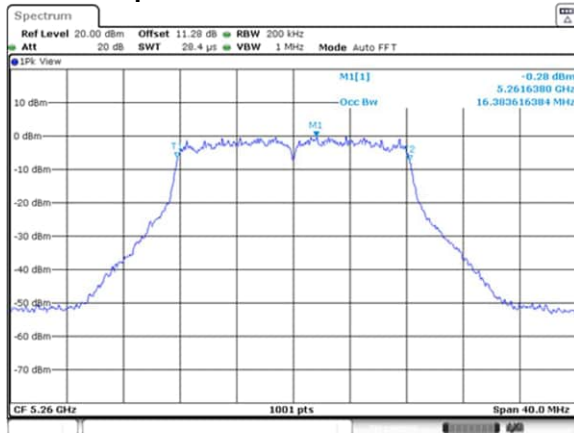
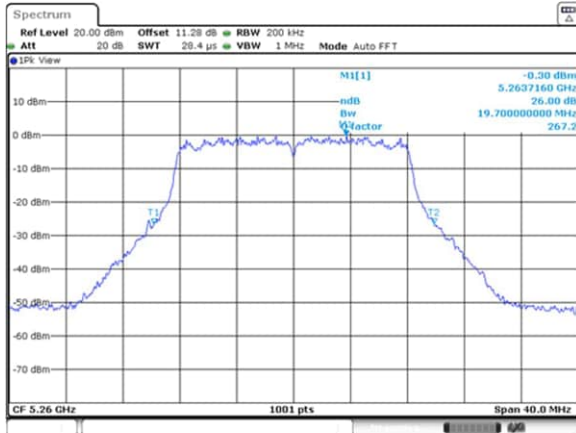
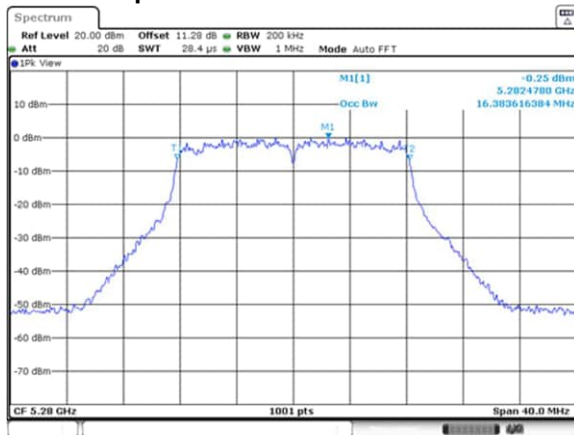
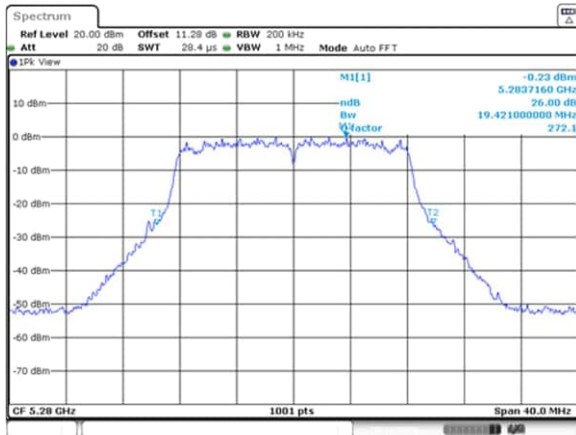
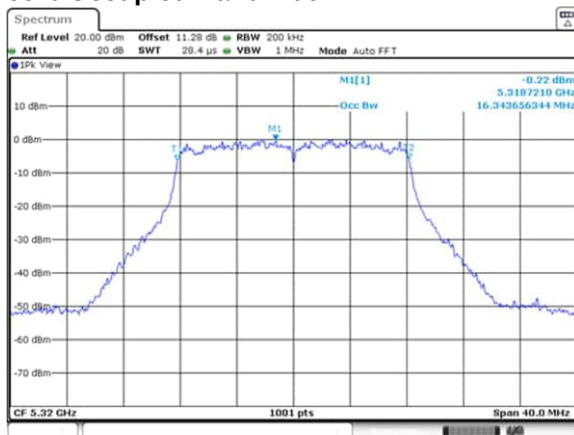
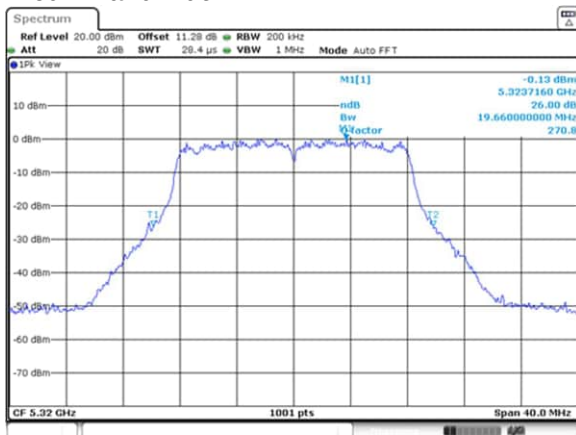
26dB Bandwidth

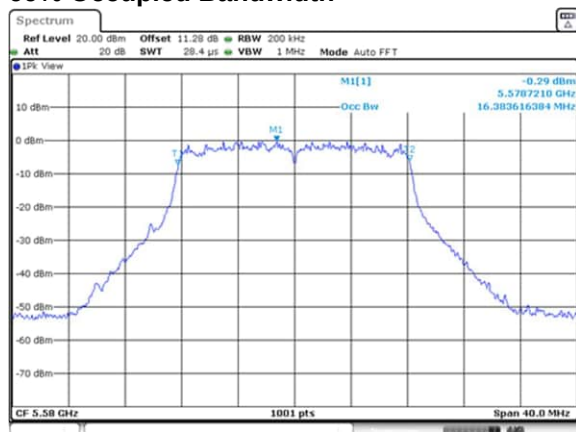
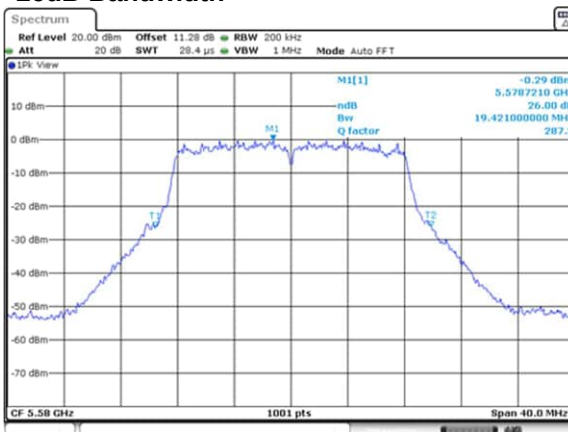


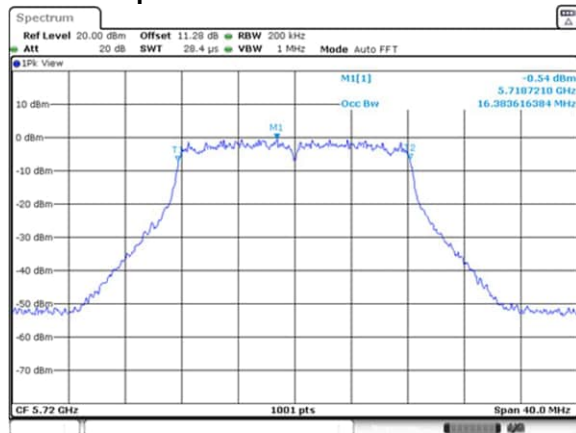
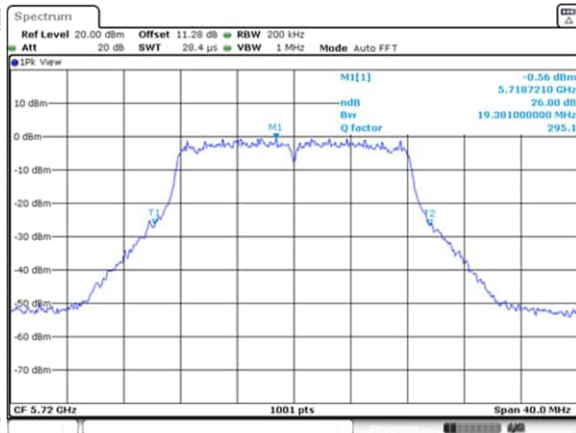
Channel: 48
99% Occupied Bandwidth

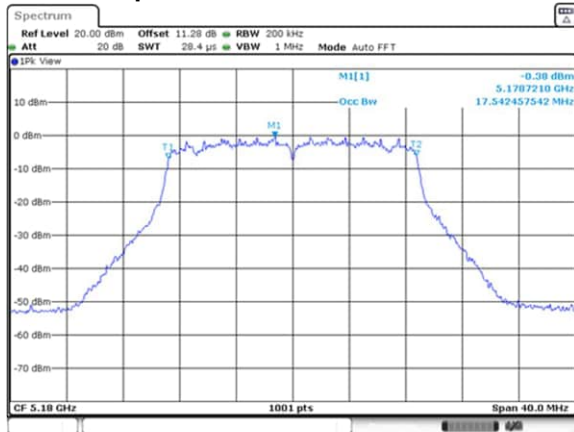
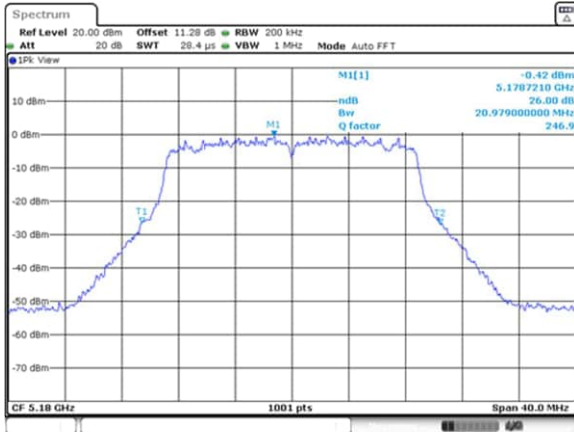
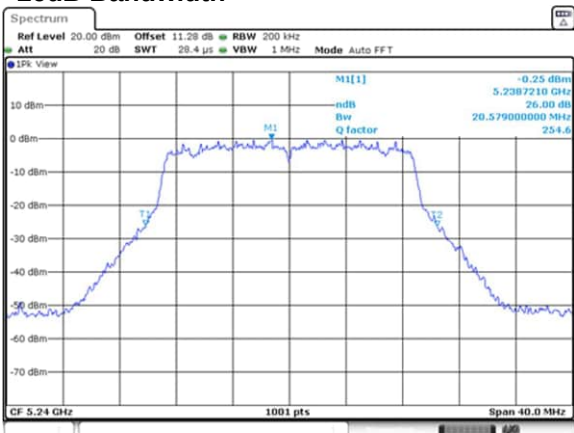
26dB Bandwidth

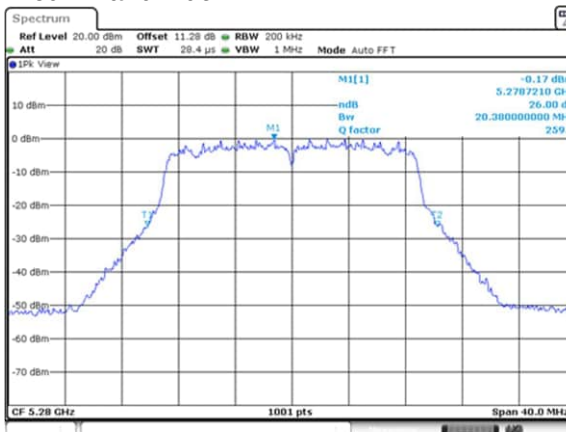


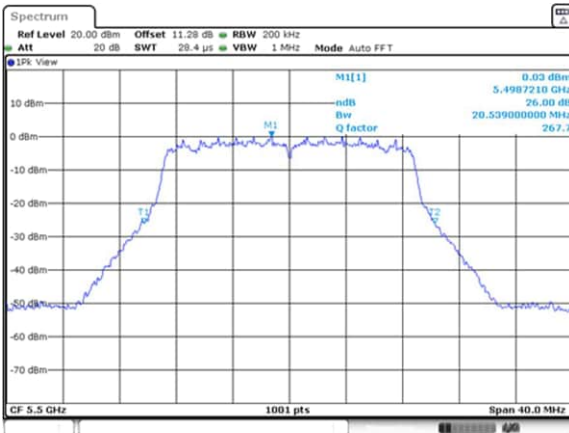
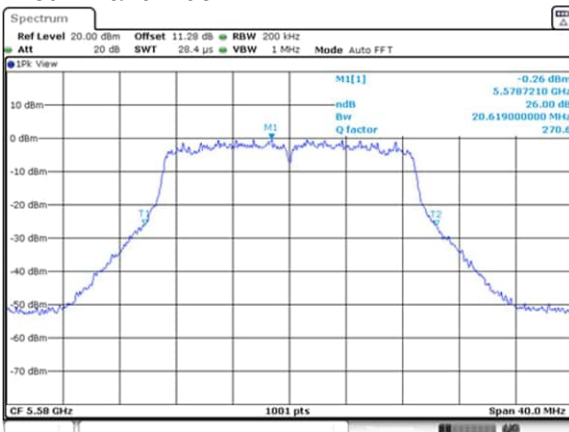
(5.3 GHz Band)**Channel: 52****99% Occupied Bandwidth****26dB Bandwidth****Channel: 56****99% Occupied Bandwidth****26dB Bandwidth****Channel: 64****99% Occupied Bandwidth****26dB Bandwidth**

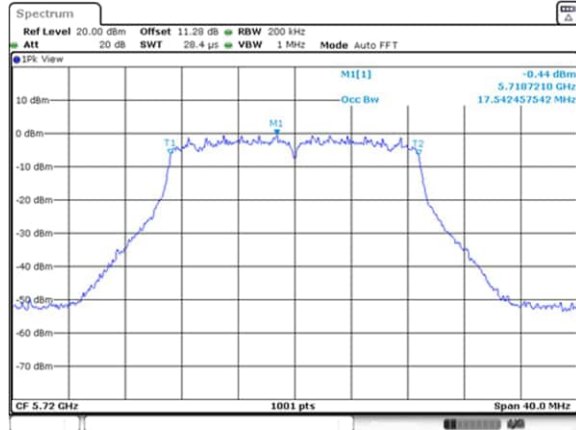
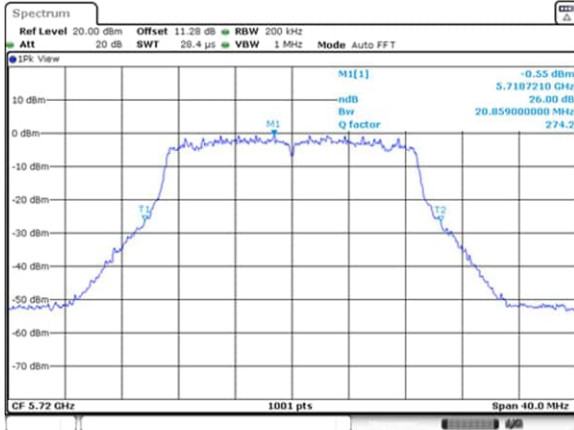
(5.6 GHz Band)**Channel: 100****99% Occupied Bandwidth****26dB Bandwidth****Channel: 116****99% Occupied Bandwidth****26dB Bandwidth****Channel: 140****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band)**Channel: 144****99% Occupied Bandwidth****26dB Bandwidth**

[IEEE802.11n (HT20)]**(5.2 GHz Band)****Channel: 36****99% Occupied Bandwidth****26dB Bandwidth****Channel: 40****99% Occupied Bandwidth****26dB Bandwidth****Channel: 48****99% Occupied Bandwidth****26dB Bandwidth**

(5.3 GHz Band)**Channel: 52****99% Occupied Bandwidth****26dB Bandwidth****Channel: 56****99% Occupied Bandwidth****26dB Bandwidth****Channel: 64****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band)**Channel: 100****99% Occupied Bandwidth****26dB Bandwidth****Channel: 116****99% Occupied Bandwidth****26dB Bandwidth****Channel: 140****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band)**Channel: 144****99% Occupied Bandwidth****26dB Bandwidth**

[IEEE802.11n (HT40)]

(5.2 GHz Band)

Channel: 38

99% Occupied Bandwidth

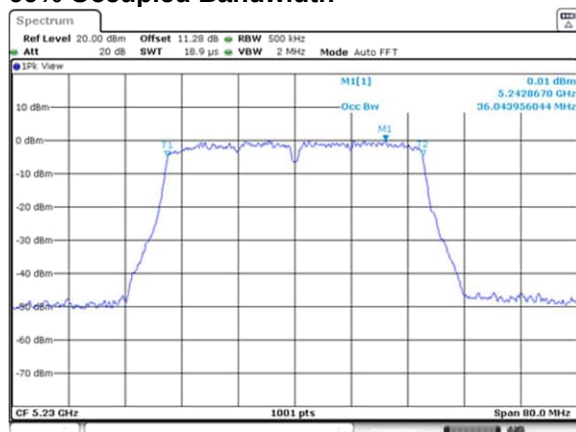
26dB Bandwidth

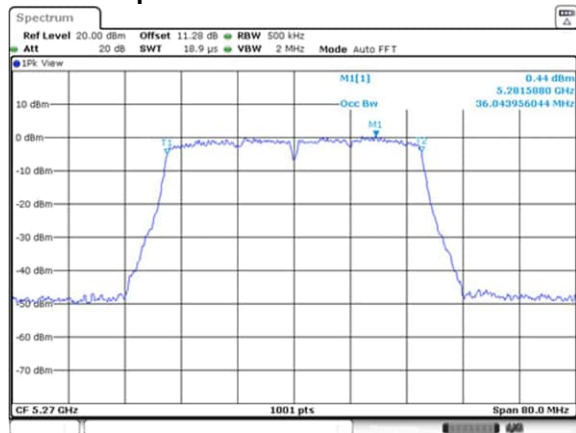
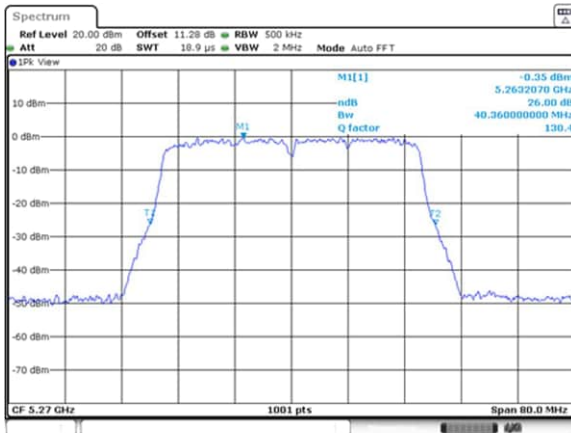
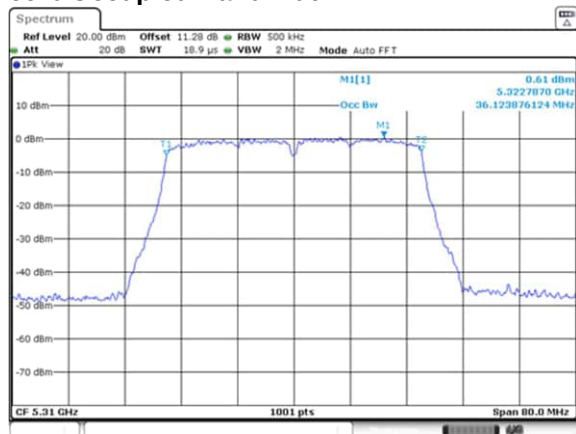
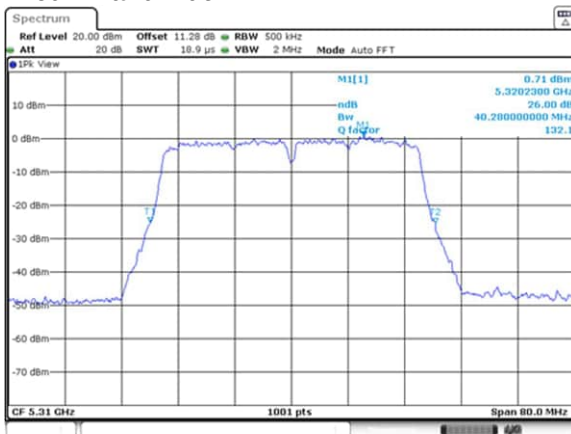


Channel: 46

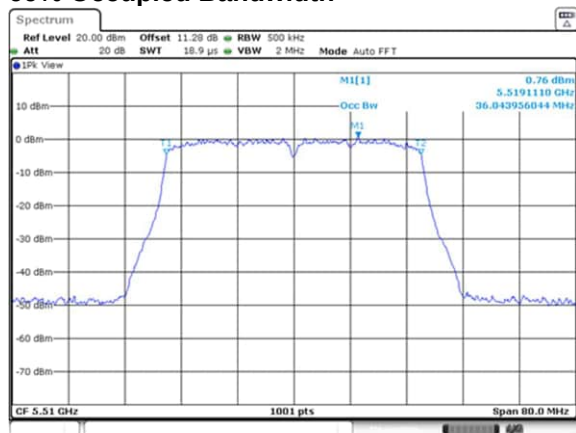
99% Occupied Bandwidth

26dB Bandwidth

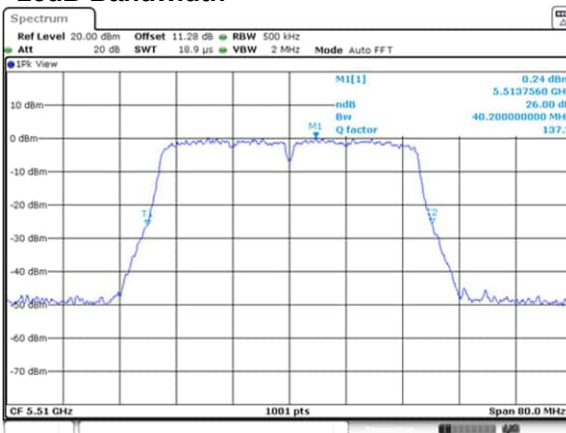


(5.3 GHz Band)**Channel: 54****99% Occupied Bandwidth****26dB Bandwidth****Channel: 62****99% Occupied Bandwidth****26dB Bandwidth**

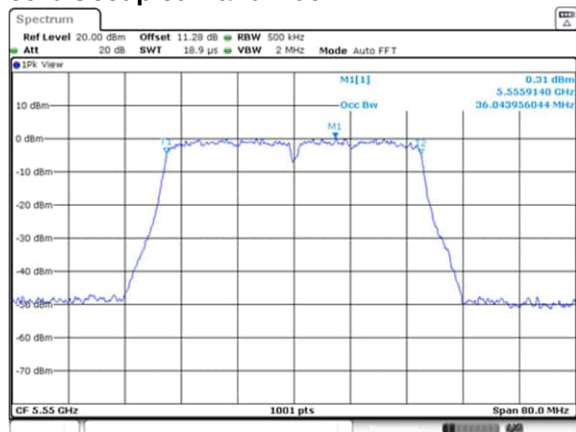
(5.6 GHz Band) 99% Occupied Bandwidth



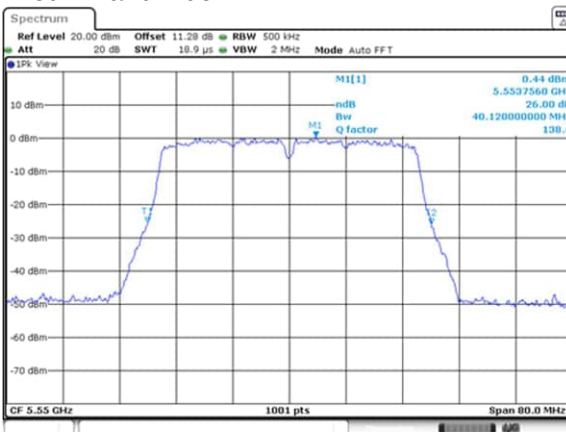
26dB Bandwidth



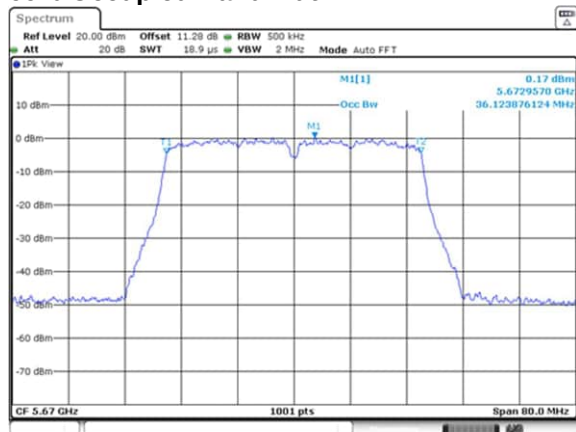
Channel: 110 99% Occupied Bandwidth



26dB Bandwidth

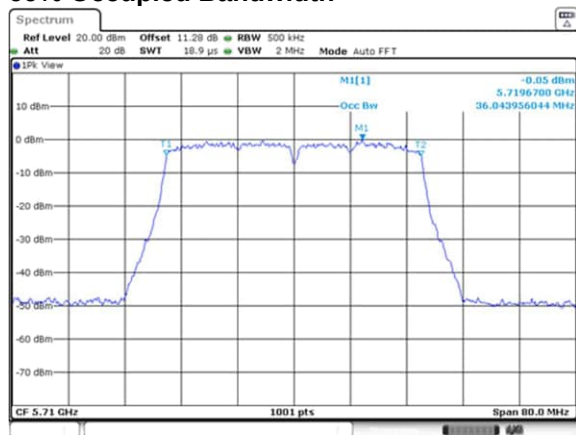


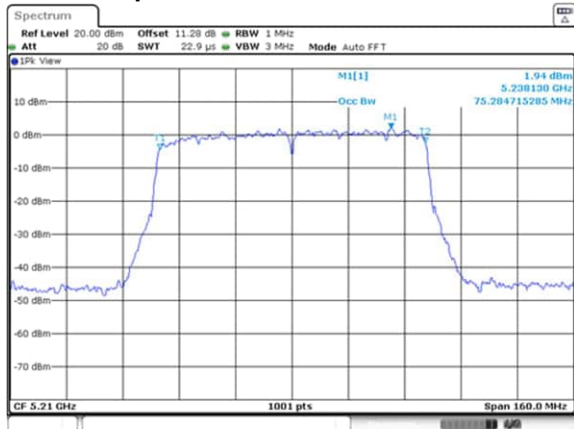
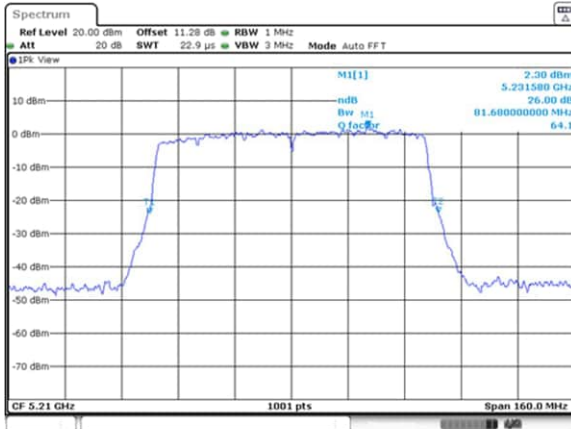
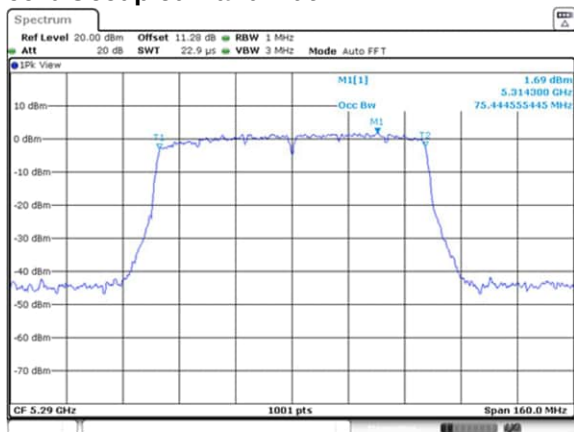
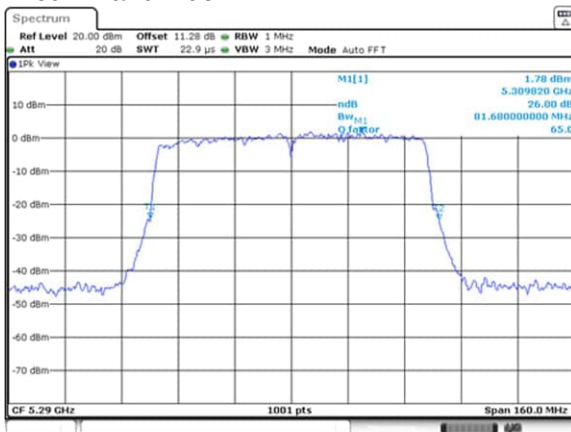
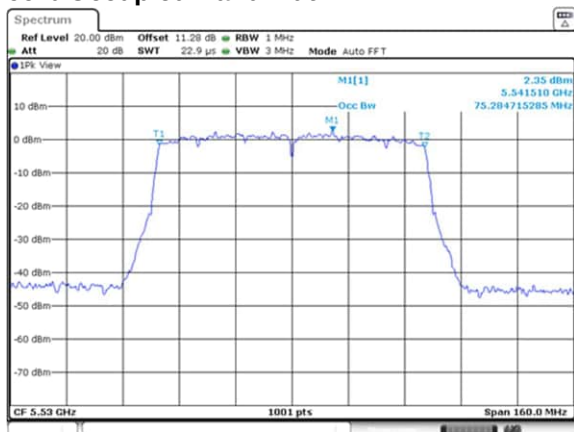
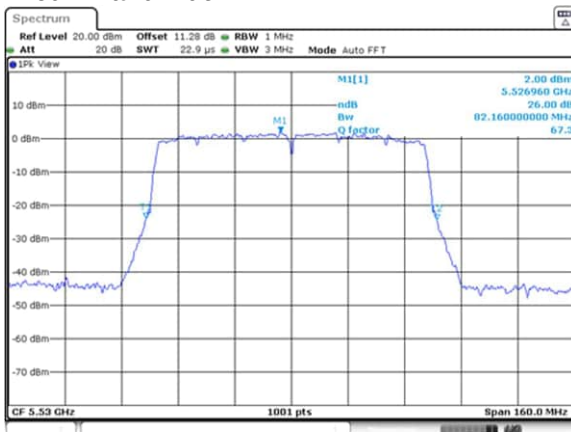
Channel: 134 99% Occupied Bandwidth

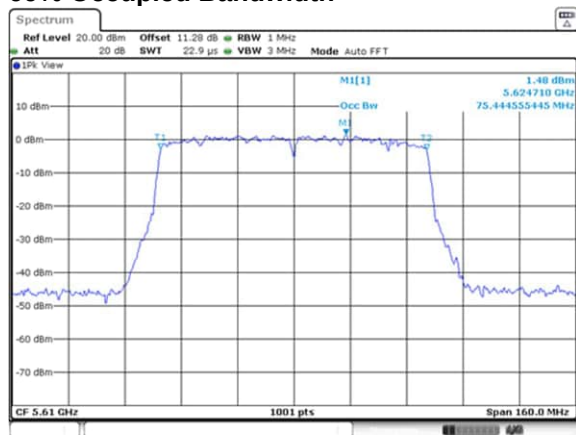
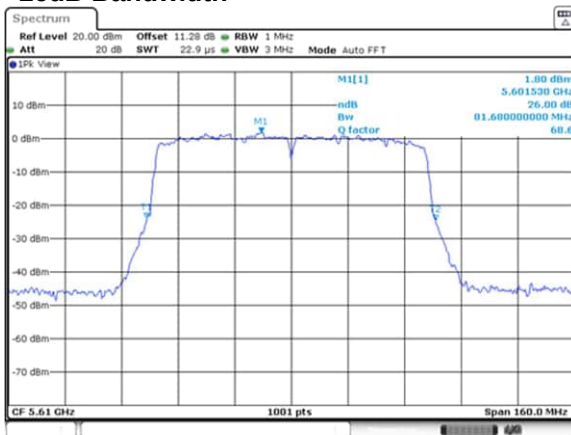
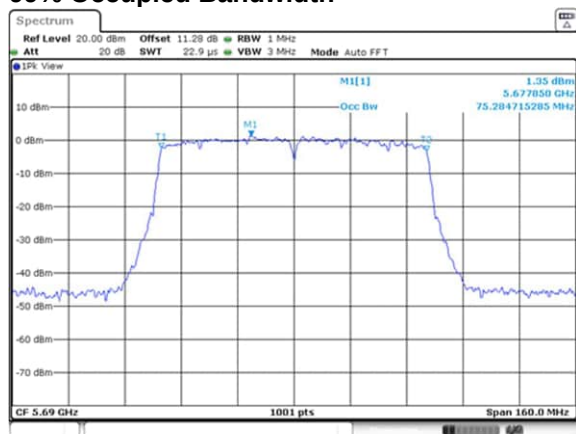
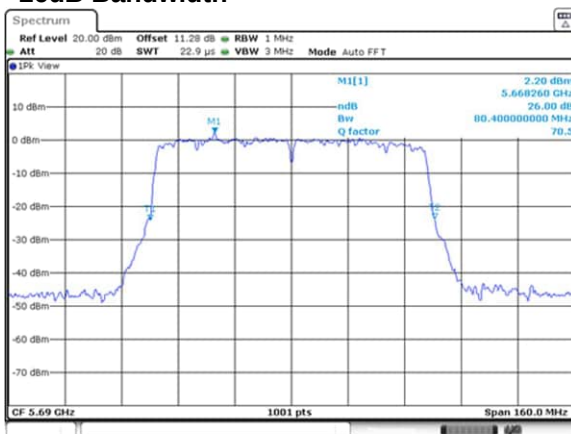


26dB Bandwidth

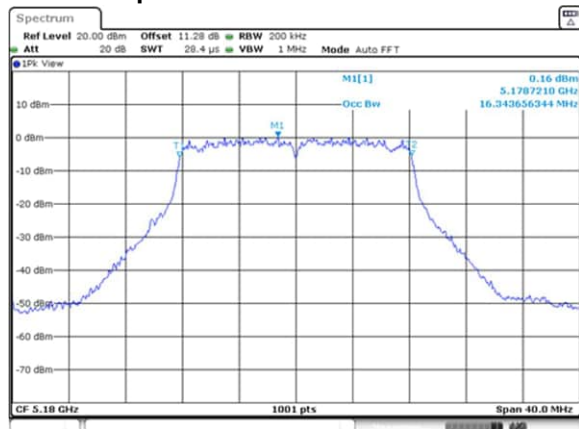


(5.6 GHz Band)**Channel: 142****99% Occupied Bandwidth****26dB Bandwidth**

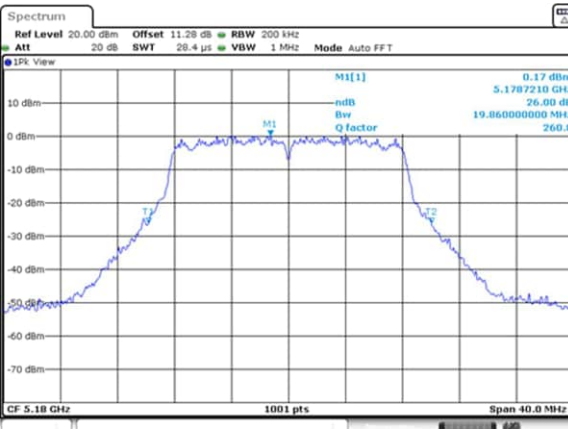
[IEEE802.11ac (HT80)]**(5.2 GHz Band)****Channel: 42****99% Occupied Bandwidth****26dB Bandwidth****(5.3GHz Band)****Channel: 58****99% Occupied Bandwidth****26dB Bandwidth****(5.6 GHz Band)****Channel: 106****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band)**Channel: 122****99% Occupied Bandwidth****26dB Bandwidth****Channel: 138****99% Occupied Bandwidth****26dB Bandwidth**

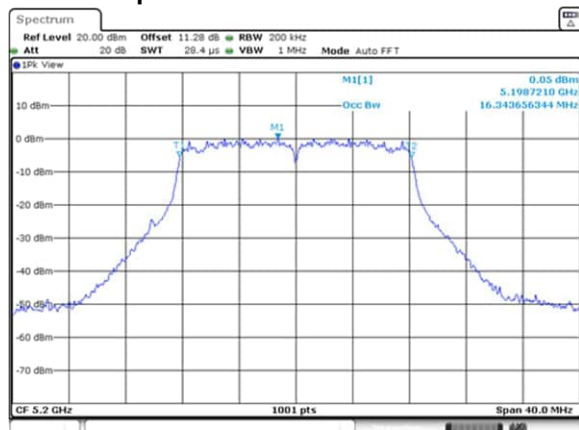
[Chain 1]
[IEEE802.11a]
(5.2 GHz Band)
Channel: 36
99% Occupied Bandwidth



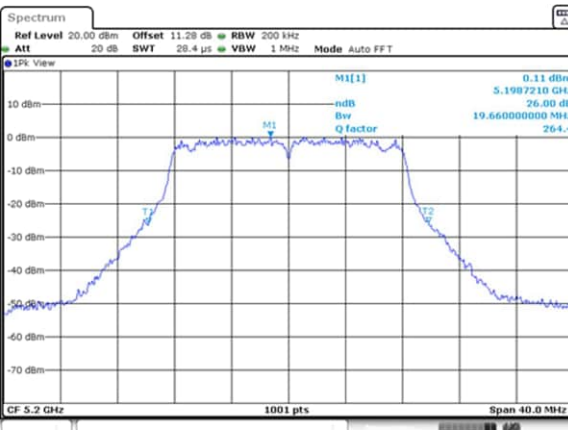
26dB Bandwidth



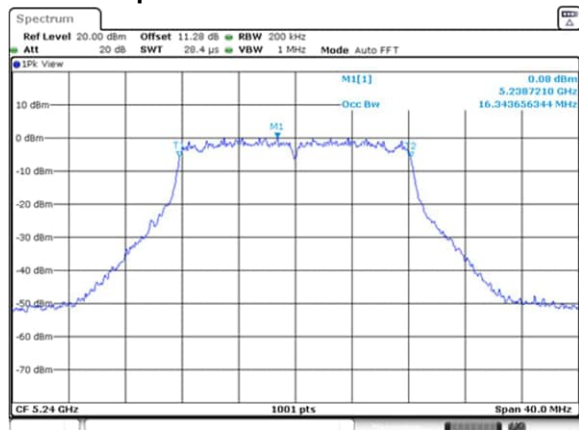
Channel: 40
99% Occupied Bandwidth



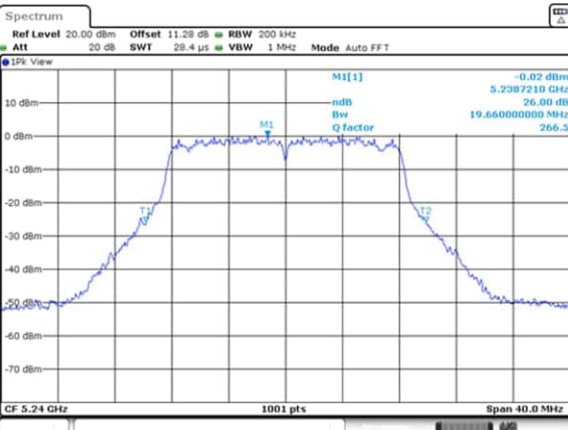
26dB Bandwidth

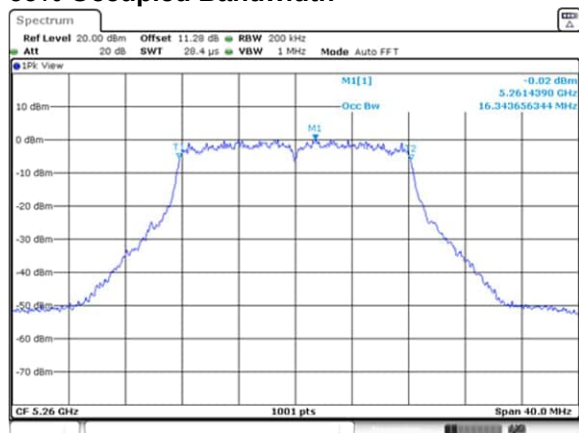
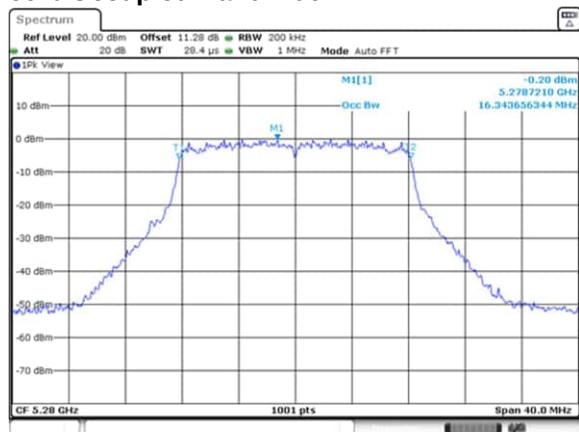
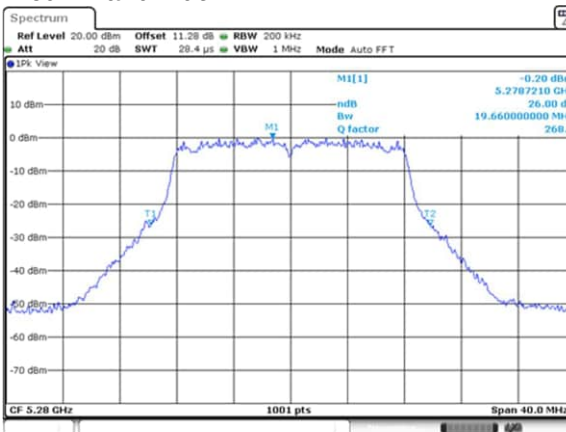
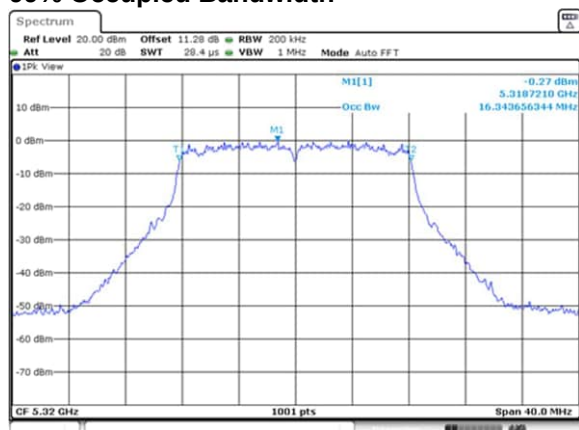


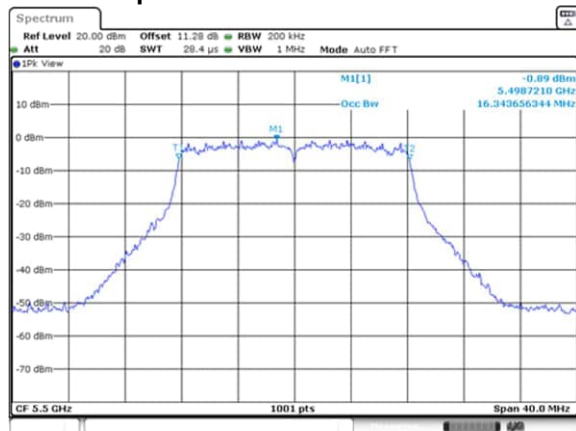
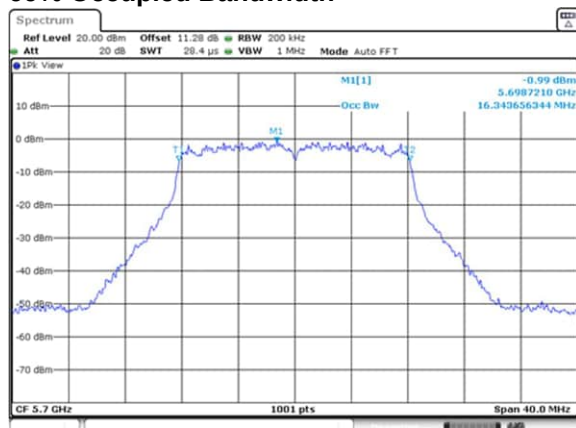
Channel: 48
99% Occupied Bandwidth

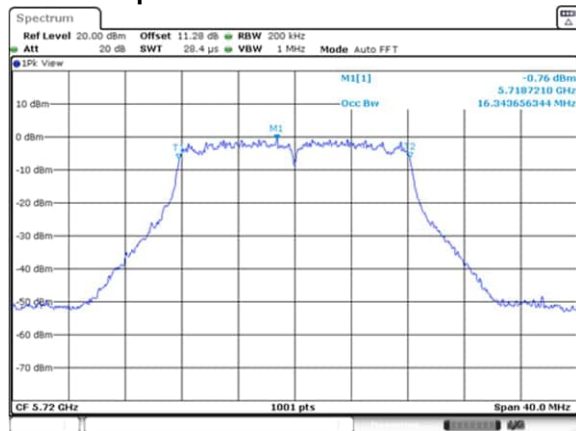
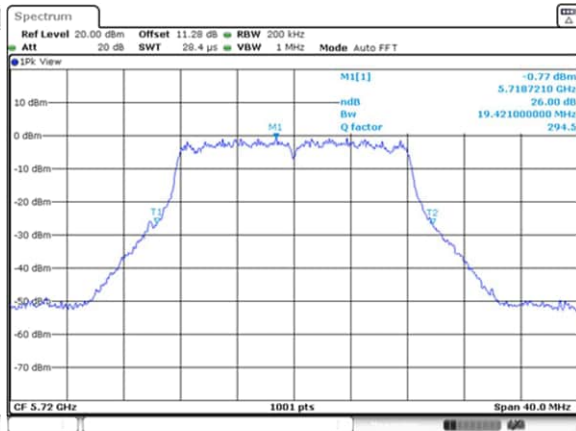


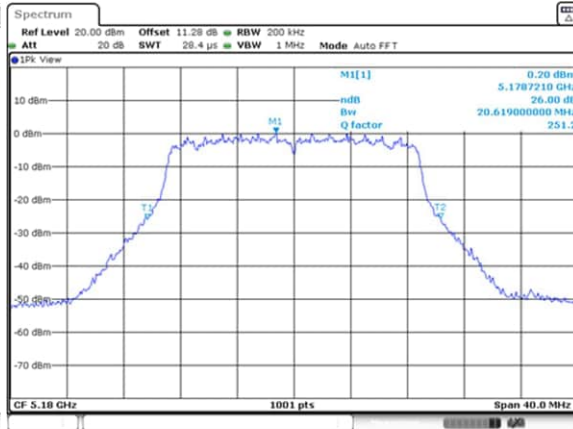
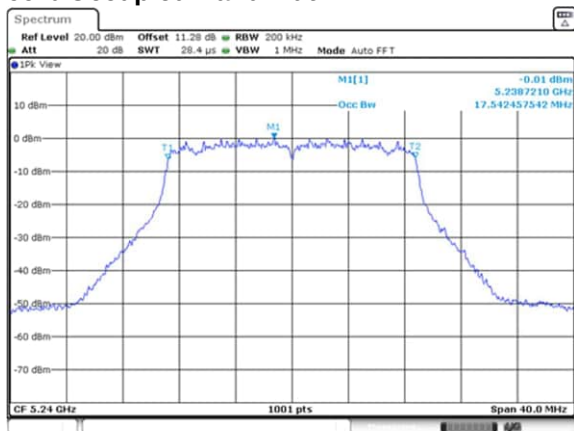
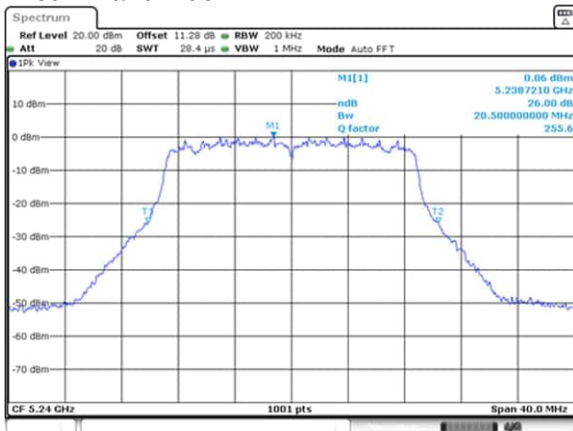
26dB Bandwidth

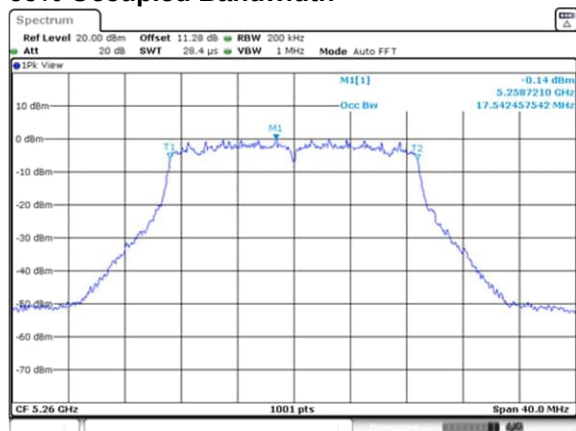
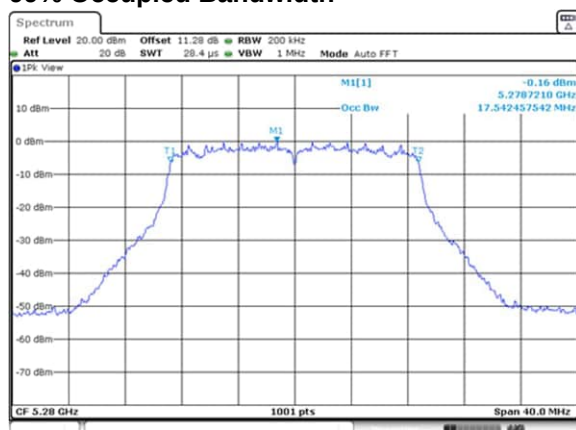


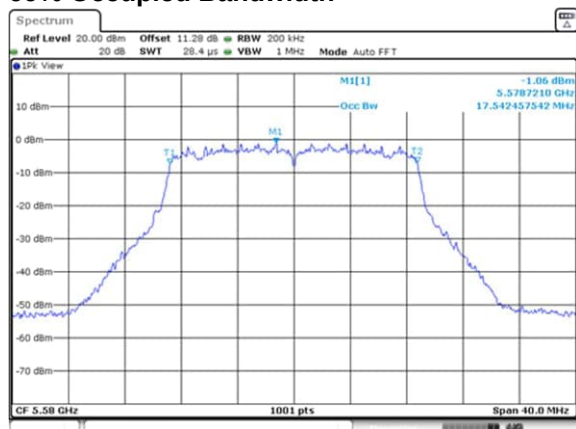
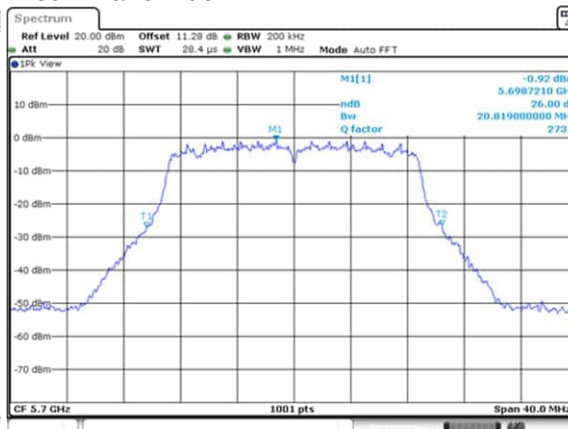
(5.3 GHz Band)**Channel: 52****99% Occupied Bandwidth****26dB Bandwidth****Channel: 56****99% Occupied Bandwidth****26dB Bandwidth****Channel: 64****99% Occupied Bandwidth****26dB Bandwidth**

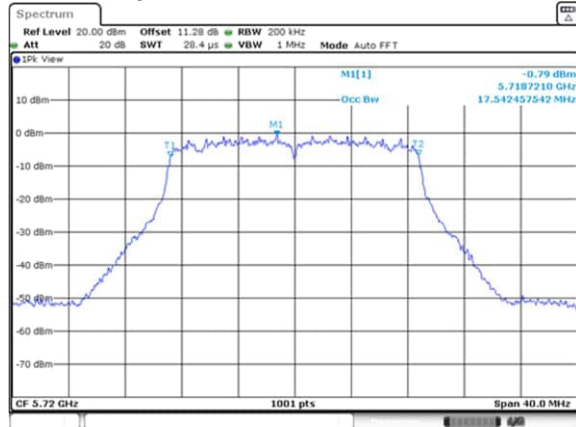
(5.6 GHz Band)**Channel: 100****99% Occupied Bandwidth****26dB Bandwidth****Channel: 116****99% Occupied Bandwidth****26dB Bandwidth****Channel: 140****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band)**Channel: 144****99% Occupied Bandwidth****26dB Bandwidth**

[IEEE802.11n (HT20)]**(5.2 GHz Band)****Channel: 36****99% Occupied Bandwidth****26dB Bandwidth****Channel: 40****99% Occupied Bandwidth****26dB Bandwidth****Channel: 48****99% Occupied Bandwidth****26dB Bandwidth**

(5.3 GHz Band)**Channel: 52****99% Occupied Bandwidth****26dB Bandwidth****Channel: 56****99% Occupied Bandwidth****26dB Bandwidth****Channel: 64****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band)**Channel: 100****99% Occupied Bandwidth****26dB Bandwidth****Channel: 116****99% Occupied Bandwidth****26dB Bandwidth****Channel: 140****99% Occupied Bandwidth****26dB Bandwidth**

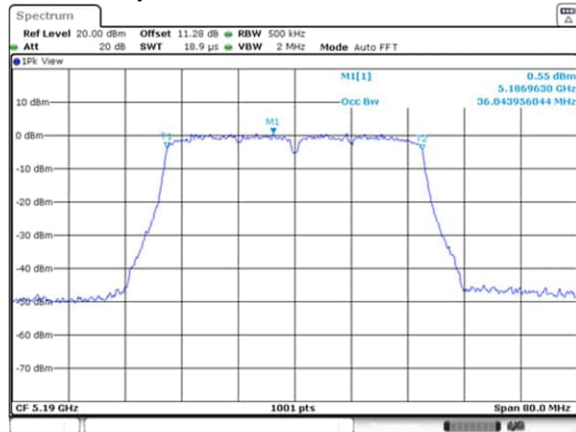
(5.6 GHz Band)**Channel: 144****99% Occupied Bandwidth****26dB Bandwidth**

[IEEE802.11n (HT40)]

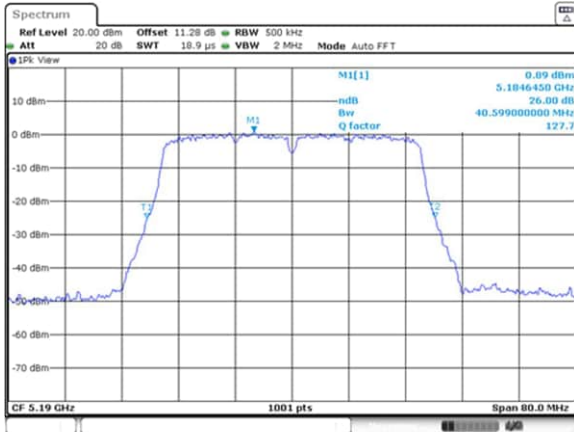
(5.2 GHz Band)

Channel: 38

99% Occupied Bandwidth



26dB Bandwidth

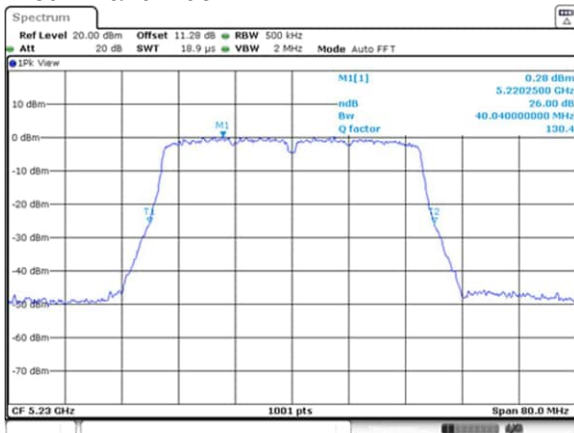


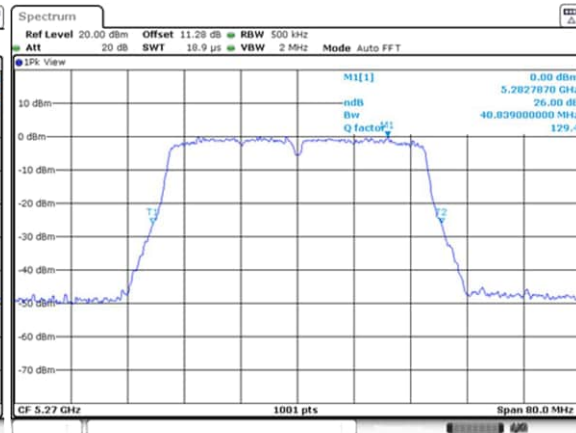
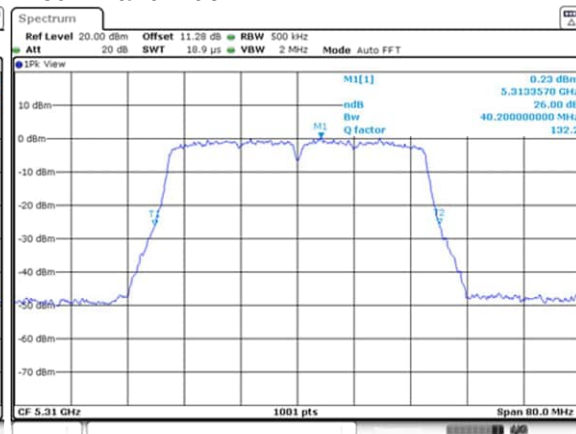
Channel: 46

99% Occupied Bandwidth



26dB Bandwidth

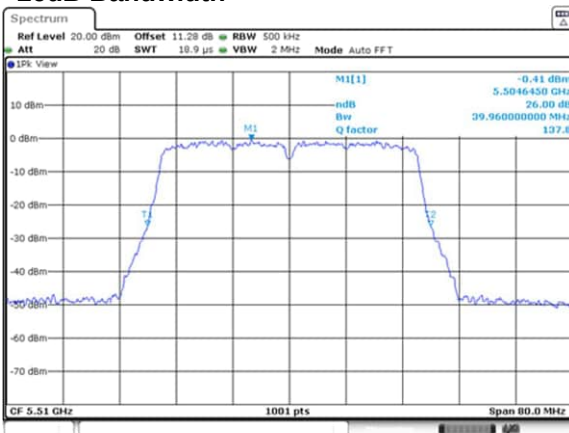


(5.3 GHz Band)**Channel: 54****99% Occupied Bandwidth****26dB Bandwidth****Channel: 62****99% Occupied Bandwidth****26dB Bandwidth**

(5.6 GHz Band) 99% Occupied Bandwidth



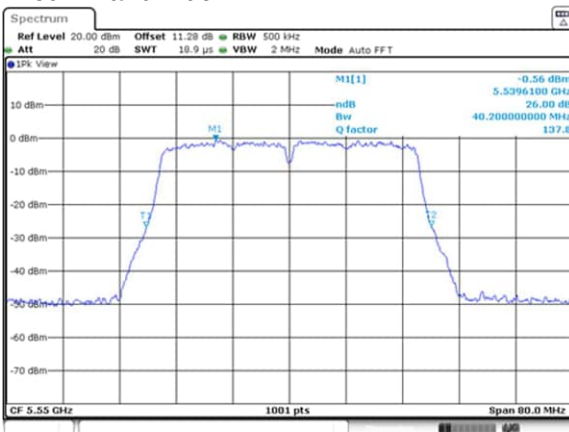
26dB Bandwidth



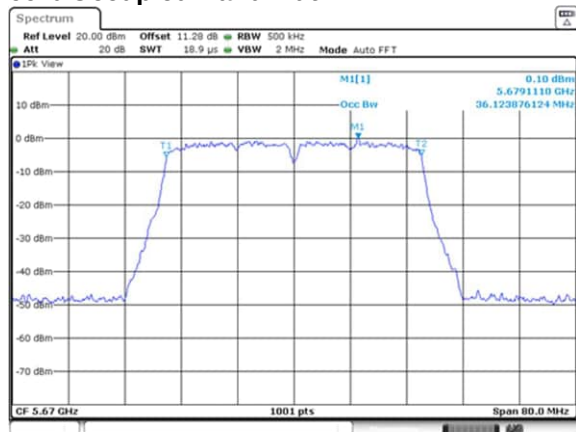
Channel: 110 99% Occupied Bandwidth



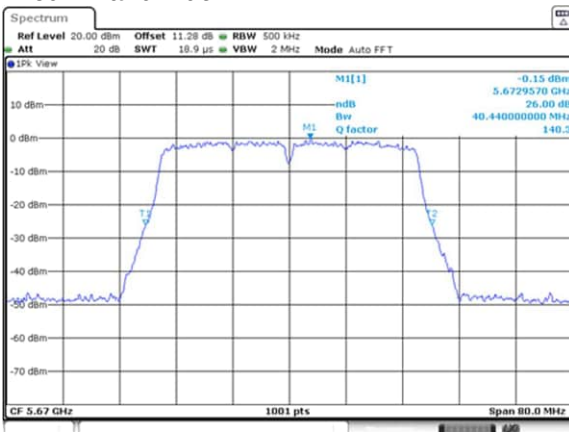
26dB Bandwidth



Channel: 134 99% Occupied Bandwidth



26dB Bandwidth



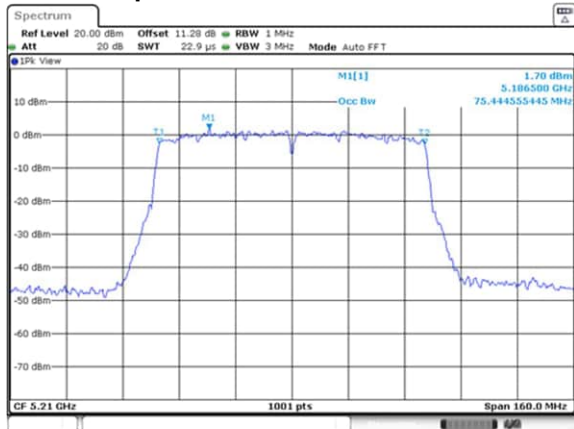
(5.6 GHz Band)**Channel: 142****99% Occupied Bandwidth****26dB Bandwidth**

[IEEE802.11ac (HT80)]

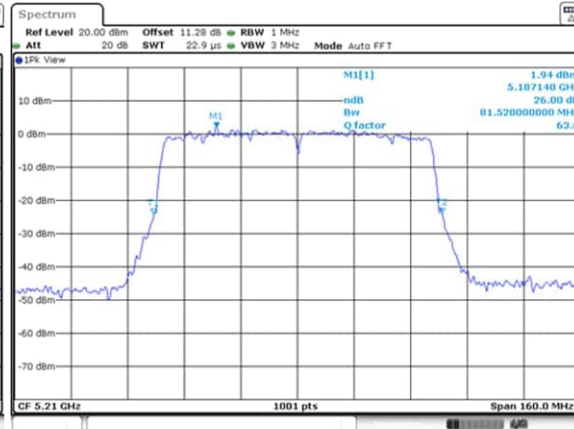
(5.2 GHz Band)

Channel: 42

99% Occupied Bandwidth



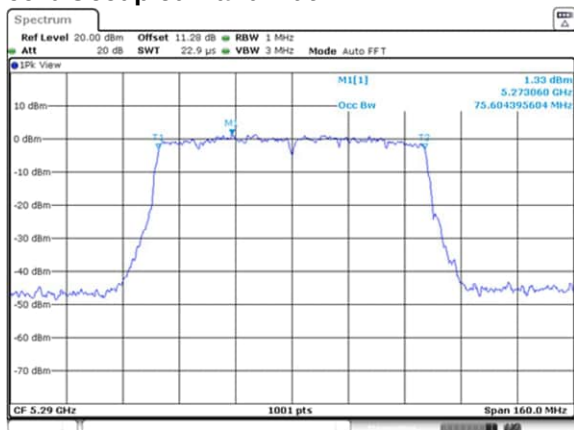
26dB Bandwidth



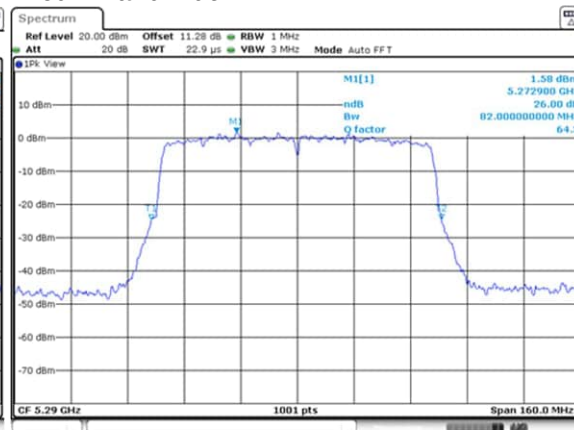
(5.3GHz Band)

Channel: 58

99% Occupied Bandwidth



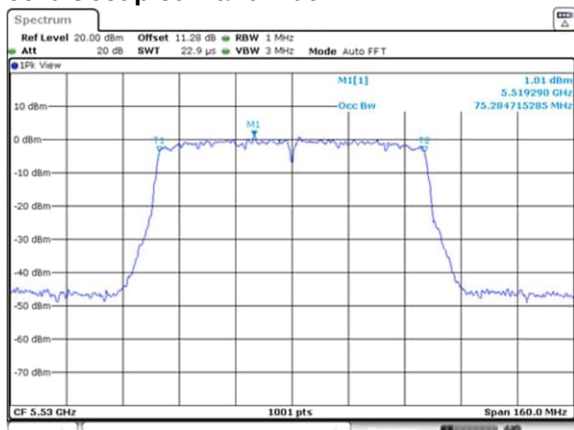
26dB Bandwidth



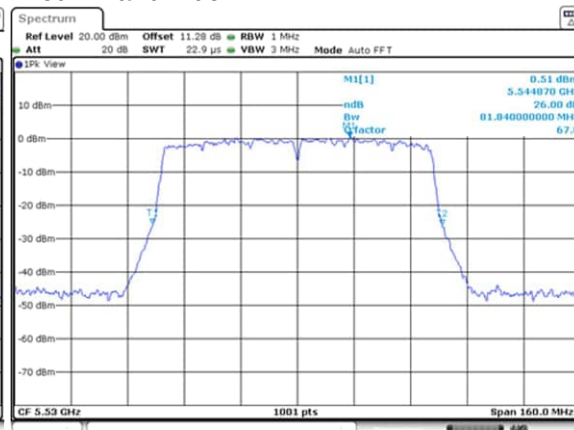
(5.6 GHz Band)

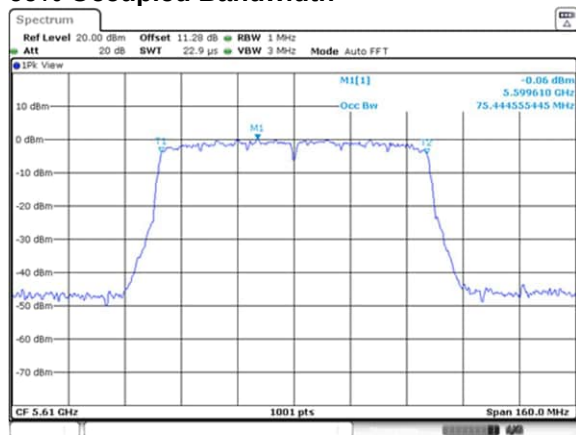
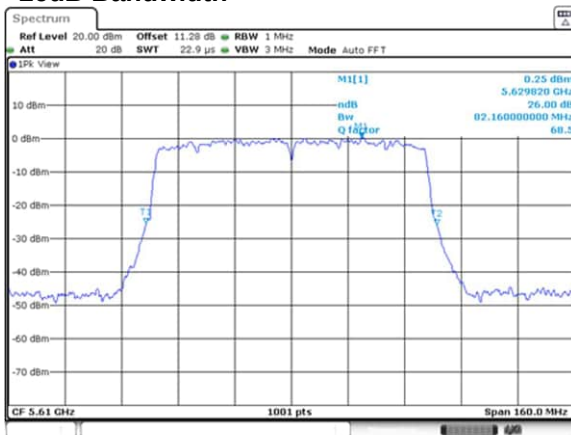
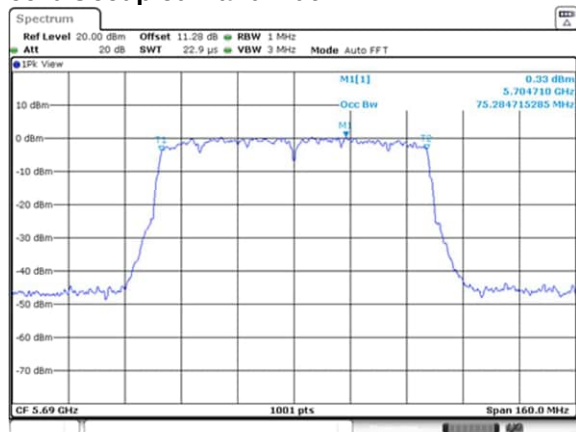
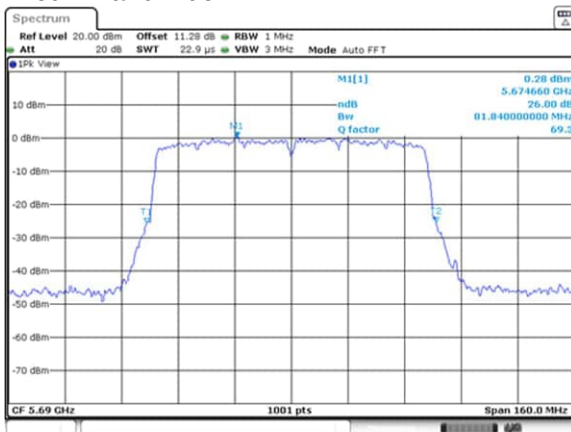
Channel: 106

99% Occupied Bandwidth



26dB Bandwidth



(5.6 GHz Band)**Channel: 122****99% Occupied Bandwidth****26dB Bandwidth****Channel: 138****99% Occupied Bandwidth****26dB Bandwidth**

4.2 Maximum Conducted Output Power

4.2.1 Measurement procedure

[FCC 15.407(a), KDB 789033 D02, Section E.2.b) Method SA-1, d) Method SA-2]

The peak power is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;

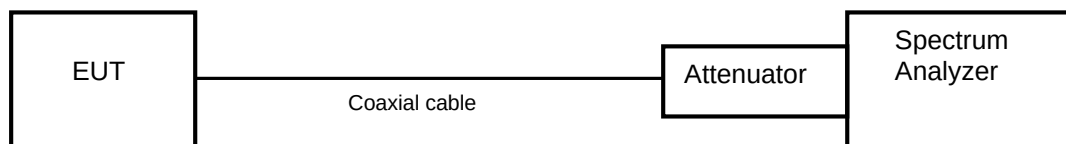
- RBW=1MHz, VBW=3MHz, Span=35MHz/70MHz/140MHz, Sweep=auto, Detector=RMS, Trace mode=Averaging

The EUT was set to operate with following conditions.

- 5.2GHz Band, 5.3GHz Band, 5.6GHz Band

The test mode of EUT is as follows.

- Tx mode
- Test configuration



4.2.2 Limit

- (1) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6 dBi.
- (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10\log B$, where B is the 26dB emission bandwidth in megahertz.
- (3) For the 5.725-5.85 GHz bands, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

4.2.3 DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting OFDMA in all MIMO modes. The directional gains are as follows:

Band	Chain0 Gain (dBi)	Chain1 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2 GHz Band	0.3	1.0	0.66	3.67
5.3 GHz Band	1.3	1.1	1.20	4.21
5.6 GHz Band	2.6	2.2	2.40	5.41

Note: 802.11a does not support MIMO.

<Output Power Limit Calculation>

[Chain 0]

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2GHz Band	802.11a	250	23.97	0.3	23.97
	802.11n HT20				
	802.11n HT20				
	802.11ac HT80				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11a	250	23.97	1.3	23.88
		19.421	23.88		
	802.11n HT20	250	23.97		23.97
		20.380	24.09		
	802.11n HT20	250	23.97		23.97
		40.280	27.05		
	802.11ac HT80	250	23.97		23.97
		81.680	30.12		

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11a	250	23.97	2.6	23.87
		19.381	23.87		
	802.11n HT20	250	23.97		23.97
		20.539	24.13		
	802.11n HT20	250	23.97		23.97
		40.120	27.03		
	802.11ac HT80	250	23.97		23.97
		80.400	30.05		

[Chain 1]

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2GHz Band	802.11a	250	23.97	1.0	23.97
	802.11n HT20				
	802.11n HT20				
	802.11ac HT80				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11a	250	23.97	1.1	23.94
		19.660	23.94		
	802.11n HT20	250	23.97		23.97
		20.420	24.10		
	802.11n HT20	250	23.97		23.97
		40.200	27.04		
	802.11ac HT80	250	23.97		23.97
		82.000	30.14		

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11a	250	23.97	2.2	23.88
		19.421	23.88		
	802.11n HT20	250	23.97		23.97
		20.579	24.13		
	802.11n HT20	250	23.97		23.97
		39.960	27.02		
	802.11ac HT80	250	23.97		23.97
		81.840	30.13		

[Chain 0 + Chain 1]

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2GHz Band	802.11a	MIMO is not supported.			
	802.11n HT20	250	23.97	0.66	23.97
	802.11n HT20				
	802.11ac HT80				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11a	MIMO is not supported.			
	802.11n HT20	250	23.97	1.2	23.97
		20.380	24.09		
	802.11n HT20	250	23.97		23.97
		40.200	27.04		
	802.11ac HT80	250	23.97	23.97	
		81.680	30.12		

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11a	MIMO is not supported.			
	802.11n HT20	250	23.97	2.4	23.97
		20.539	24.13		
	802.11n HT20	250	23.97		23.97
		39.960	27.02		
	802.11ac HT80	250	23.97	23.97	
		80.400	30.05		

4.2.4 Measurement result

Date : 5-December-2025
 Temperature : 20.3 [°C]
 Humidity : 47.5 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 8-December-2025
 Temperature : 19.4 [°C]
 Humidity : 46.1 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11a	36	5180	9.18	2.098	2.119	0.990	0.000	9.18	8.287
	40	5200	9.28					9.28	8.470
	58	5240	9.43					9.43	8.766
	52	5260	9.36	2.098	2.119	0.990	0.000	9.36	8.628
	56	5280	9.42					9.42	8.756
	64	5320	9.57					9.57	9.062
	100	5500	9.63	2.098	2.119	0.990	0.000	9.63	9.190
	116	5580	9.31					9.31	8.521
	140	5700	8.88					8.88	7.728
	144	5720	9.07					9.07	8.074

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11n (20MHz)	36	5180	8.85	5.421	5.457	0.993	0.000	8.85	7.678
	40	5200	8.94					8.94	7.832
	58	5240	9.10					9.10	8.131
	52	5260	9.06	5.421	5.457	0.993	0.000	9.06	8.061
	56	5280	9.13					9.13	8.192
	64	5320	9.31					9.31	8.538
	100	5500	9.39	5.421	5.457	0.993	0.000	9.39	8.680
	116	5580	9.05					9.05	8.043
	140	5700	8.61					8.61	7.258
	144	5720	8.75					8.75	7.500

Note1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$

Note2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11n (40MHz)	38	5190	9.27	5.400	5.453	0.990	0.000	9.27	8.449
	46	5230	9.44					9.44	8.795
	54	5270	9.48	5.400	5.453	0.990	0.000	9.48	8.873
	62	5310	9.60					9.60	9.124
	102	5510	9.60	5.400	5.453	0.990	0.000	9.60	9.129
	110	5550	9.66					9.66	9.252
	134	5670	9.30					9.30	8.512
	142	5710	9.01					9.01	7.971

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11ac (80MHz)	42	5210	10.42	5.400	5.453	0.990	0.000	10.42	11.005
	58	5290	10.52	5.400	5.453	0.990	0.000	10.52	11.270
	106	5530	10.60	5.400	5.453	0.990	0.000	10.60	11.486
	122	5610	10.20	5.400	5.453	0.990	0.000	10.20	10.459
	138	5690	9.91	5.400	5.453	0.990	0.000	9.91	9.806

Note1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$ Note2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11a	36	5180	9.79	2.098	2.119	0.990	0.000	9.79	9.538
	40	5200	9.82					9.82	9.592
	58	5240	9.65					9.65	9.222
	52	5260	9.53	2.098	2.119	0.990	0.000	9.53	8.974
	56	5280	9.50					9.50	8.905
	64	5320	9.43					9.43	8.766
	100	5500	8.81	2.098	2.119	0.990	0.000	8.81	7.611
	116	5580	8.61					8.61	7.268
	140	5700	8.77					8.77	7.536
	144	5720	8.88					8.88	7.730

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11n (20MHz)	36	5180	9.44	5.421	5.457	0.993	0.000	9.44	8.786
	40	5200	9.46					9.46	8.830
	58	5240	9.32					9.32	8.558
	52	5260	9.16	5.421	5.457	0.993	0.000	9.16	8.247
	56	5280	9.18					9.18	8.282
	64	5320	9.09					9.09	8.101
	100	5500	8.47	5.421	5.457	0.993	0.000	8.47	7.033
	116	5580	8.27					8.27	6.720
	140	5700	8.41					8.41	6.928
	144	5720	8.48					8.48	7.052

Note1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$ Note2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11n (40MHz)	38	5190	9.89	5.400	5.453	0.990	0.000	9.89	9.745
	46	5230	9.73					9.73	9.394
	54	5270	9.46	5.400	5.453	0.990	0.000	9.46	8.836
	62	5310	9.39					9.39	8.682
	102	5510	8.86	5.400	5.453	0.990	0.000	8.86	7.684
	110	5550	8.74					8.74	7.483
	134	5670	8.80					8.80	7.588
	142	5710	8.70					8.70	7.422

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)	Test Result (mW)
				On Time(ms)	On+Off Time(ms)	X			
802.11ac (80MHz)	42	5210	10.27	5.400	5.453	0.990	0.000	10.27	10.646
	58	5290	10.15	5.400	5.453	0.990	0.000	10.15	10.353
	106	5530	9.33	5.400	5.453	0.990	0.000	9.33	8.571
	122	5610	9.12	5.400	5.453	0.990	0.000	9.12	8.169
	138	5690	9.20	5.400	5.453	0.990	0.000	9.20	8.318

Note1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$ Note2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 0 + Chain 1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11n (20MHz)	36	5180	8.852	9.438	12.165	16.464
	40	5200	8.939	9.460	12.217	16.663
	58	5240	9.101	9.324	12.224	16.689
	52	5260	9.064	9.163	12.124	16.308
	56	5280	9.134	9.181	12.168	16.474
	64	5320	9.314	9.085	12.211	16.639
	100	5500	9.385	8.471	11.963	15.714
	116	5580	9.054	8.274	11.692	14.763
	140	5700	8.608	8.406	11.519	14.186
	144	5720	8.750	8.483	11.629	14.552

[Chain 0 + Chain 1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11n (40MHz)	38	5190	9.268	9.888	12.599	18.194
	46	5230	9.442	9.729	12.598	18.189
	54	5270	9.481	9.463	12.482	17.709
	62	5310	9.602	9.386	12.505	17.805
	102	5510	9.604	8.856	12.256	16.813
	110	5550	9.662	8.741	12.236	16.735
	134	5670	9.301	8.801	12.068	16.100
	142	5710	9.015	8.705	11.873	15.392

[Chain 0 + Chain 1]

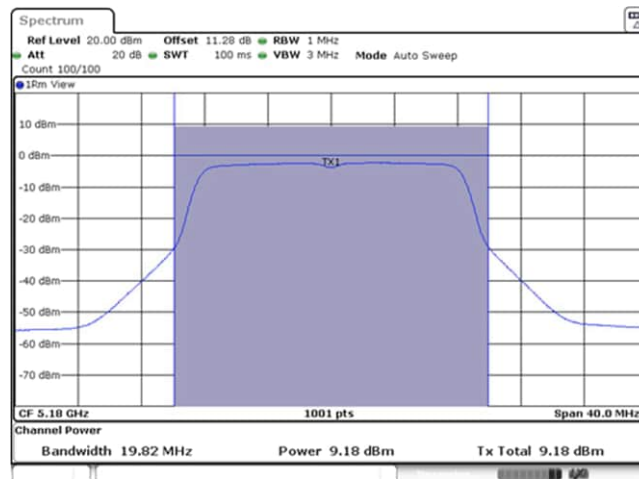
Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ac (80MHz)	42	5210	10.416	10.272	13.355	21.652
	58	5290	10.519	10.151	13.349	21.623
	106	5530	10.602	9.330	13.023	20.057
	122	5610	10.195	9.122	12.702	18.628
	138	5690	9.915	9.200	12.582	18.123

Note1: X = On time / (On + Off time), DCF=10log (1/x)

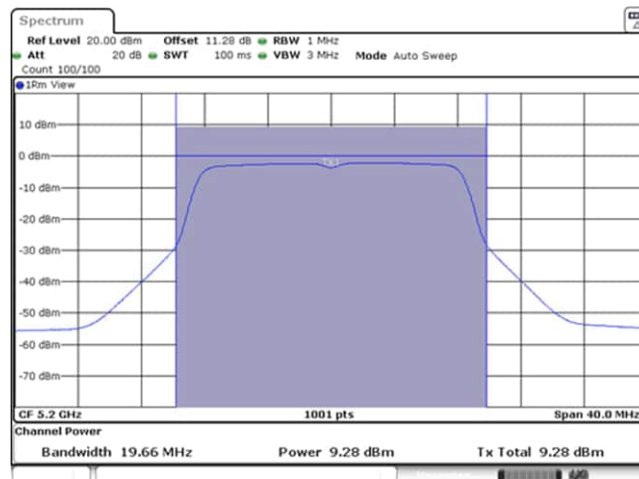
Note2: Test Result=Reading + DCF

4.2.5 Trace data

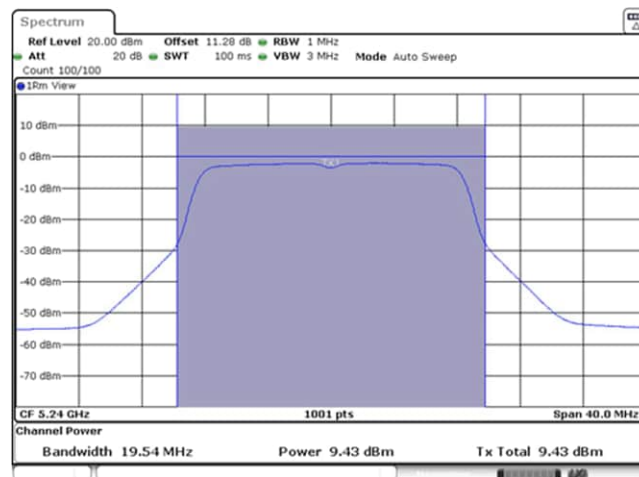
[Chain 0]
[IEEE802.11a]
(5.2 GHz Band)
Channel: 36



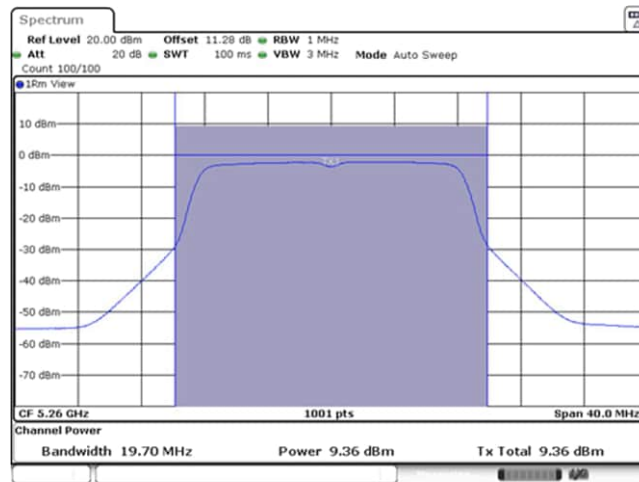
Channel: 40



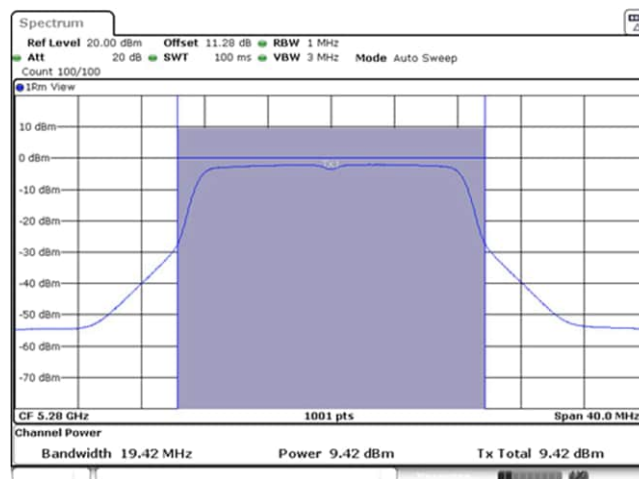
Channel: 48



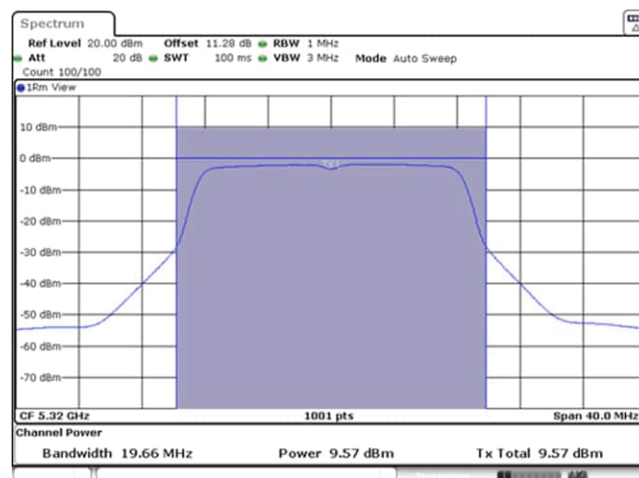
**(5.3 GHz Band)
Channel: 52**



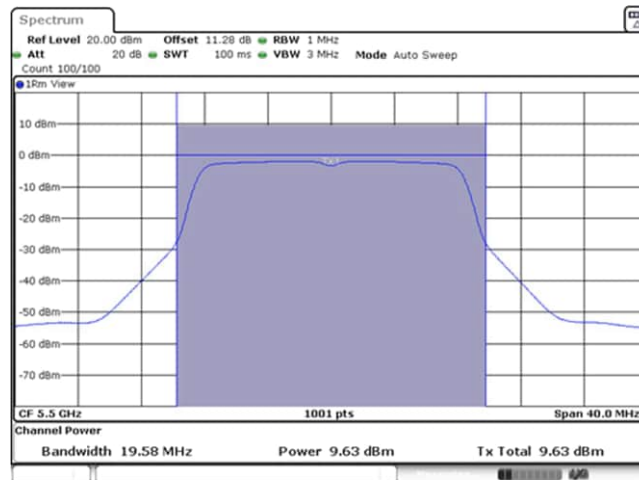
Channel: 56



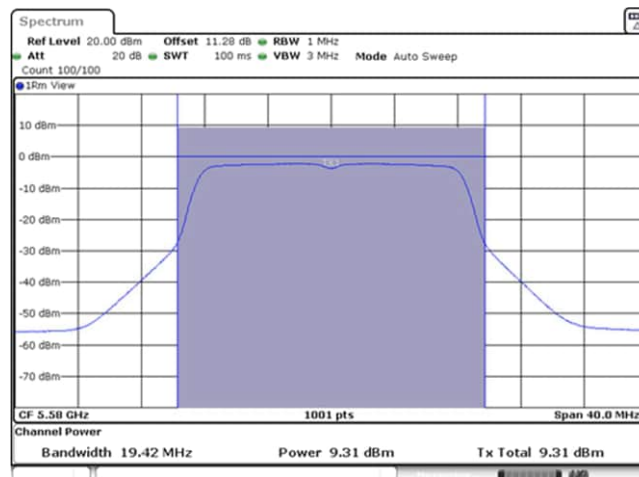
Channel: 64



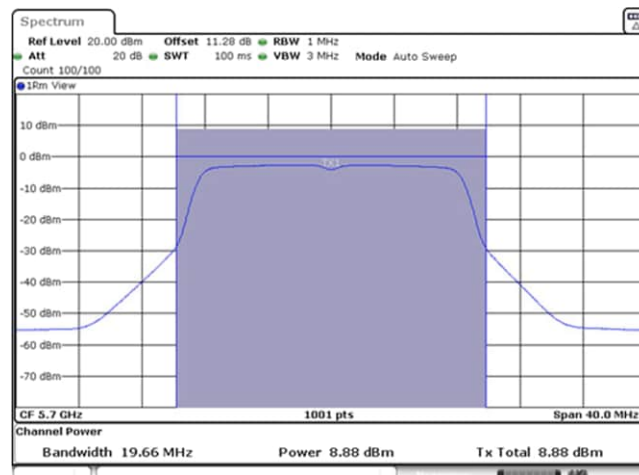
**(5.6 GHz Band)
Channel: 100**



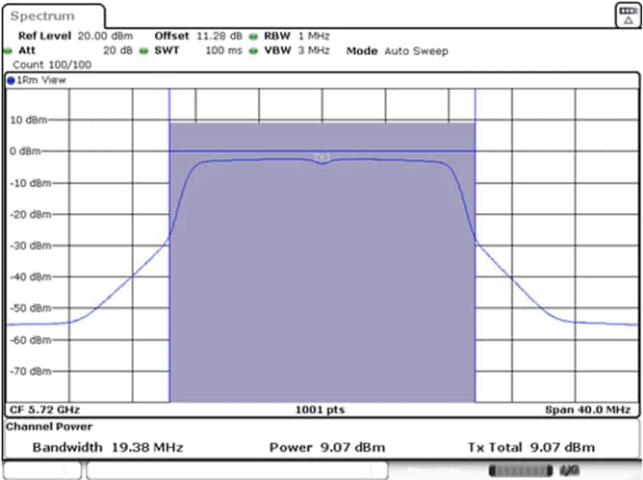
Channel: 116



Channel: 140



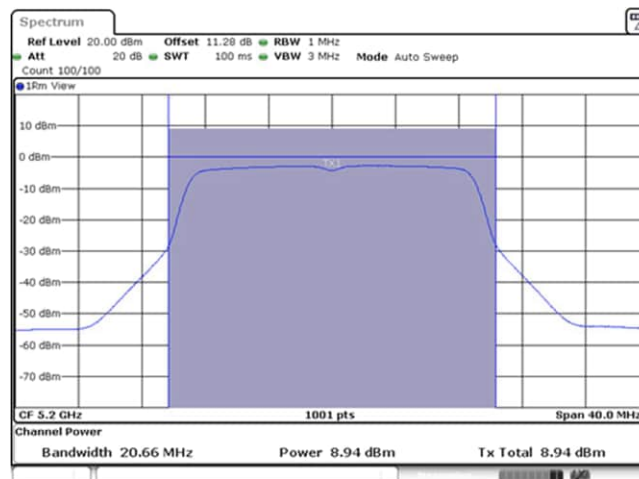
(5.6 GHz Band)
Channel: 144



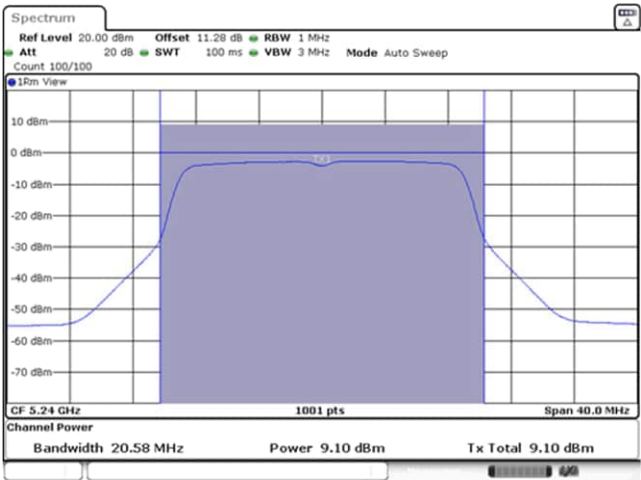
[IEEE802.11n (HT20)]
(5.2 GHz Band)
Channel: 36



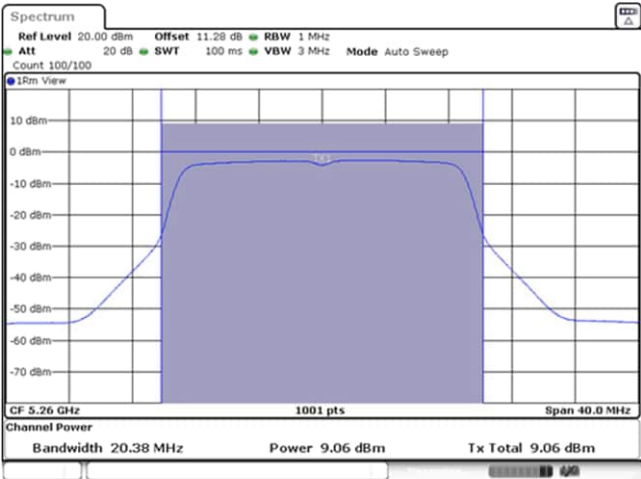
Channel: 40



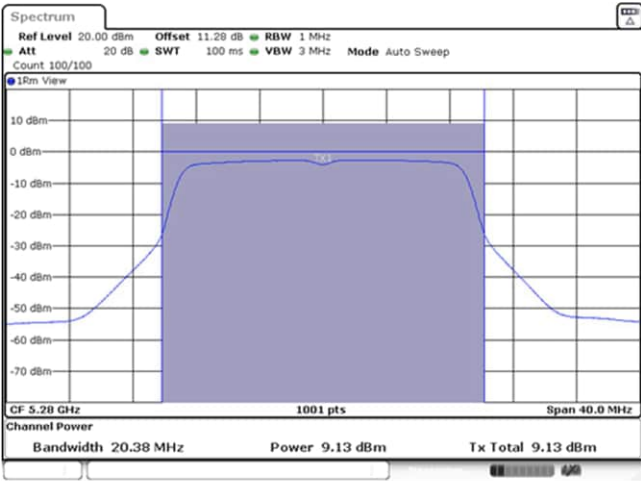
**(5.2 GHz Band)
Channel: 48**



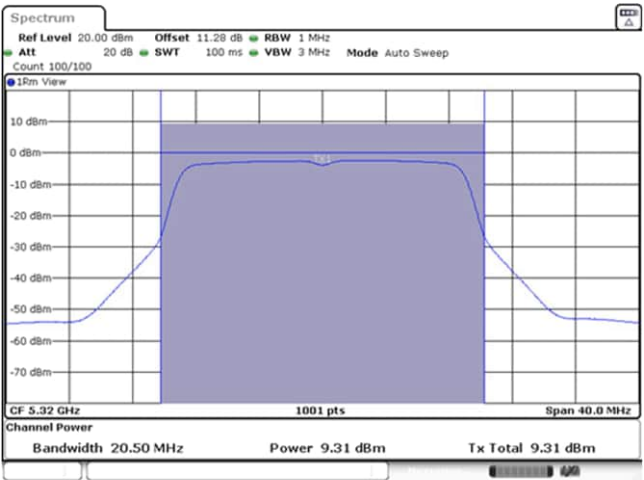
**(5.3 GHz Band)
Channel: 52**



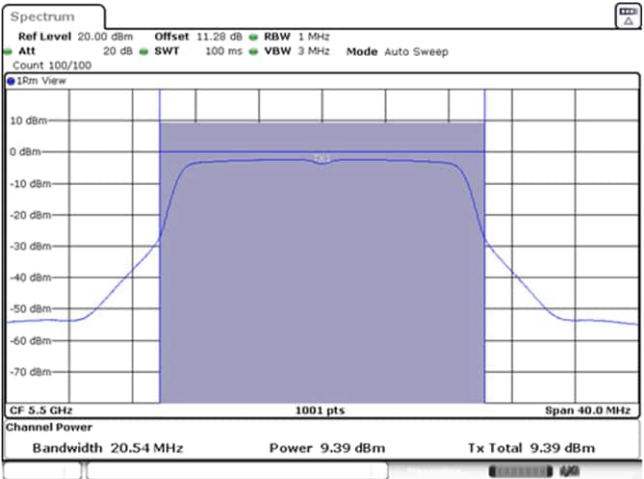
Channel: 56



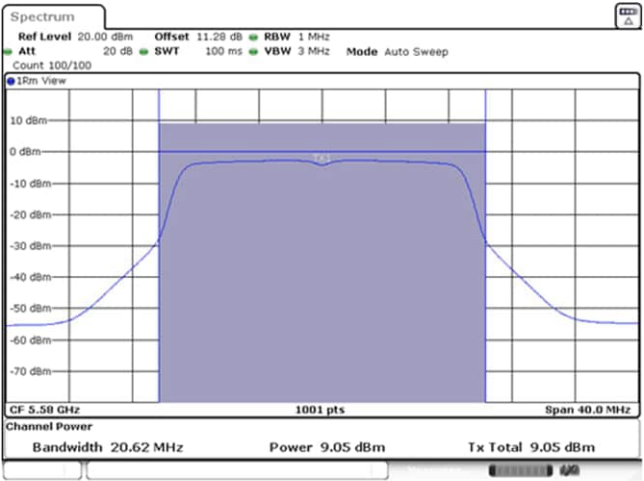
(5.3 GHz Band)
Channel: 64



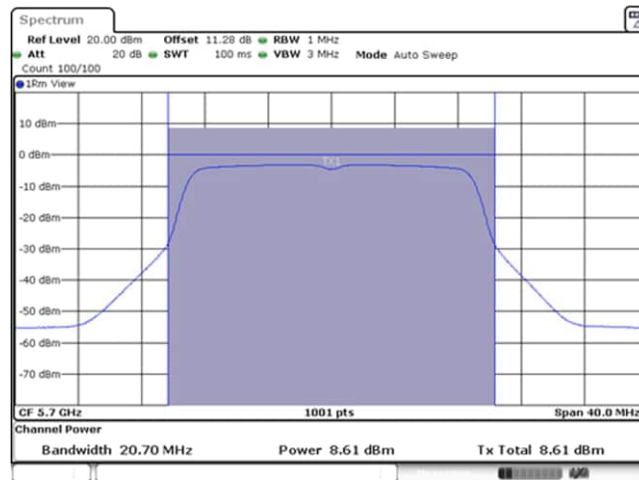
(5.6 GHz Band)
Channel: 100



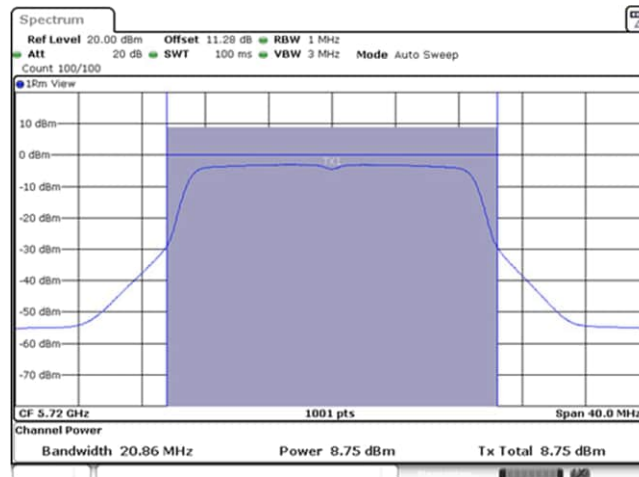
Channel: 116



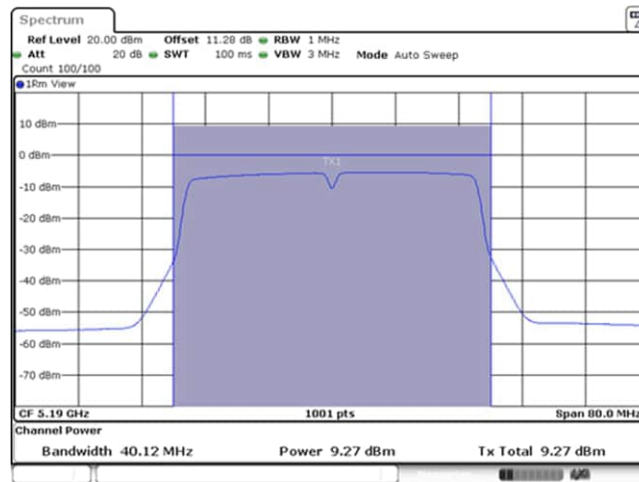
**(5.6 GHz Band)
Channel: 140**



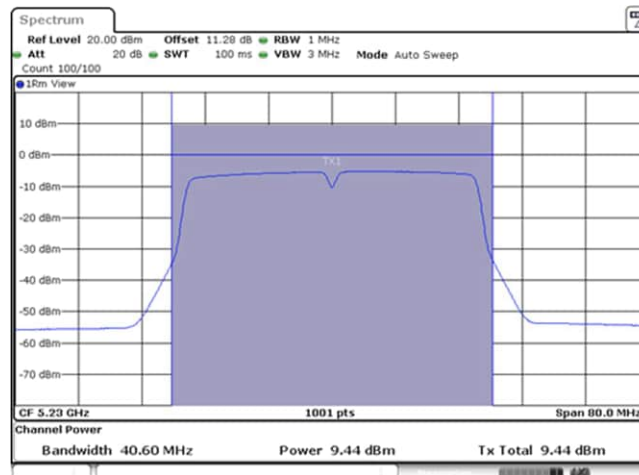
Channel: 144



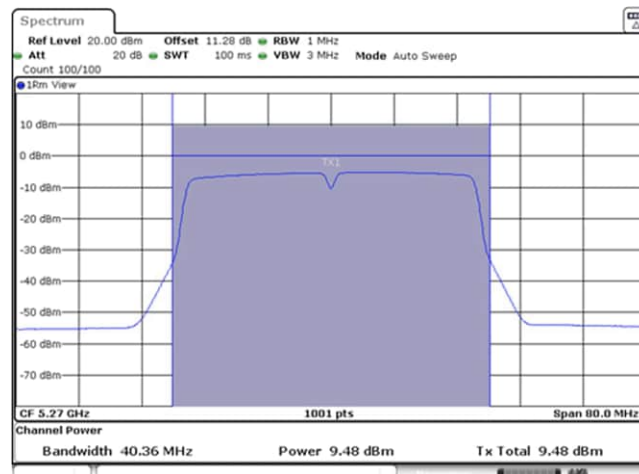
[IEEE802.11n (HT40)]
(5.2 GHz Band)
Channel: 38



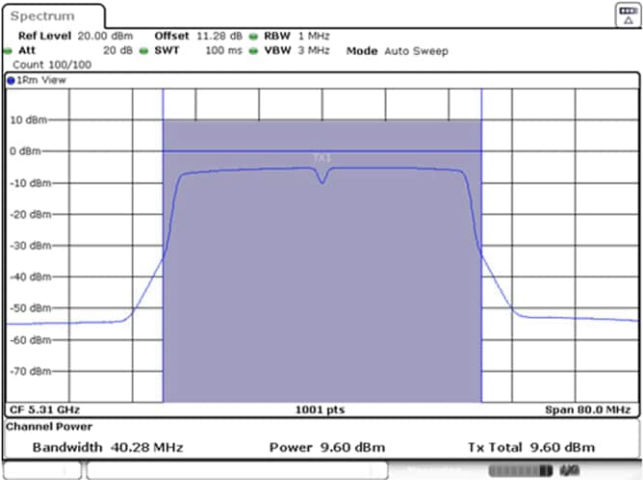
(5.2 GHz Band)
Channel: 46

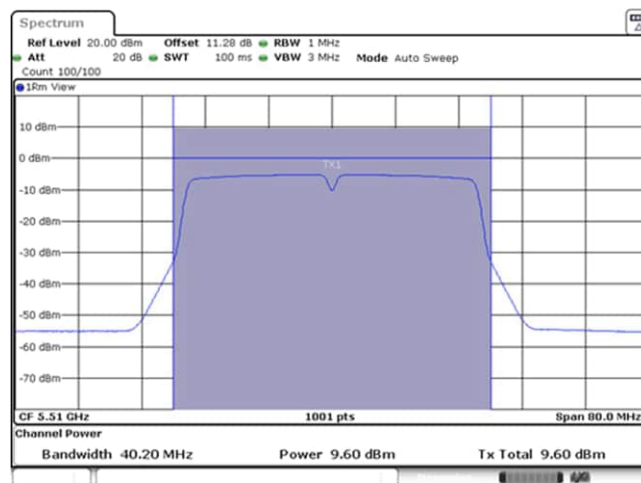
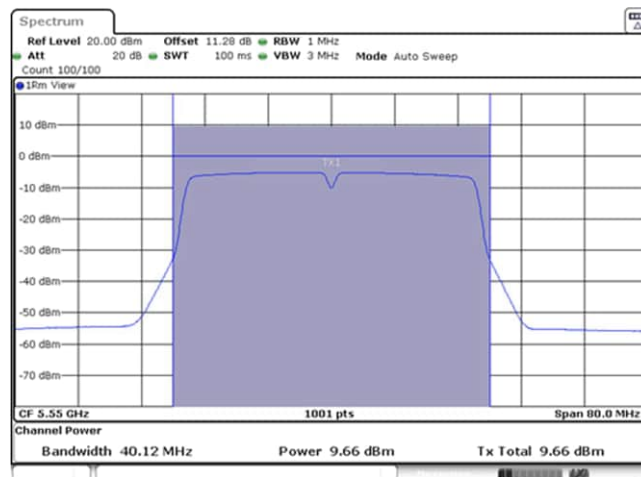
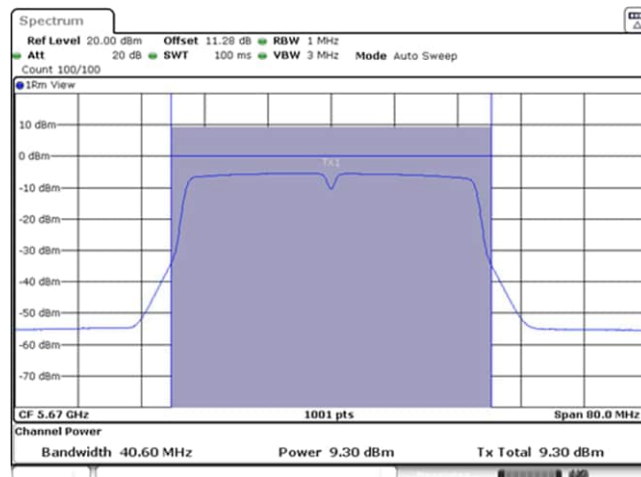


(5.3 GHz Band)
Channel: 54

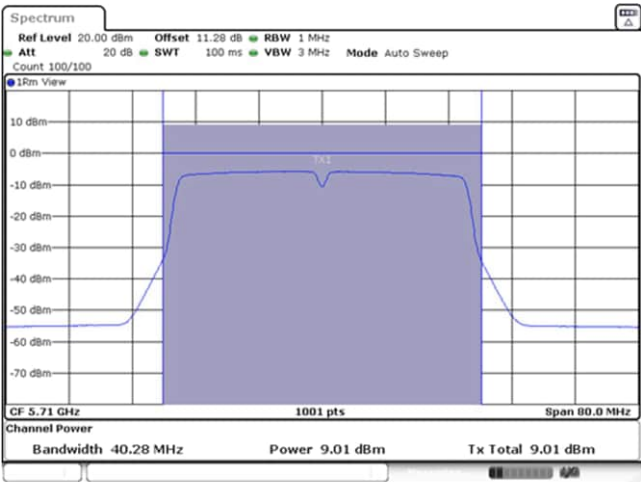


(5.3 GHz Band)
Channel: 62

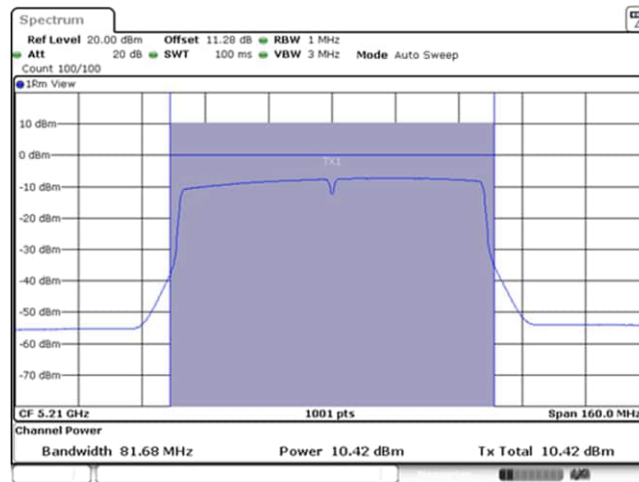


**(5.6 GHz Band)
Channel: 102****Channel: 110****Channel: 134**

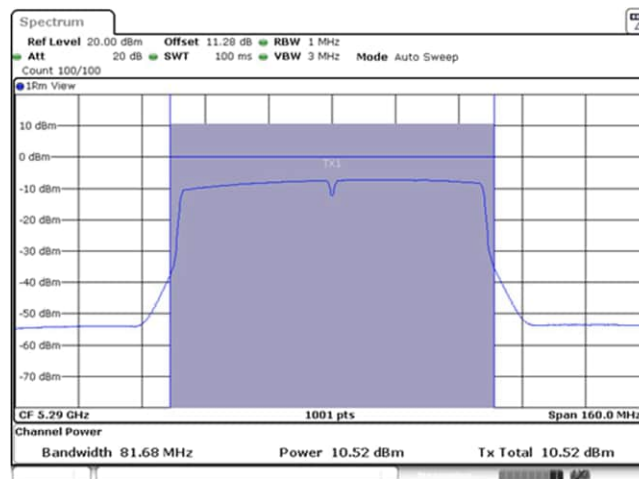
(5.6 GHz Band)
Channel: 142



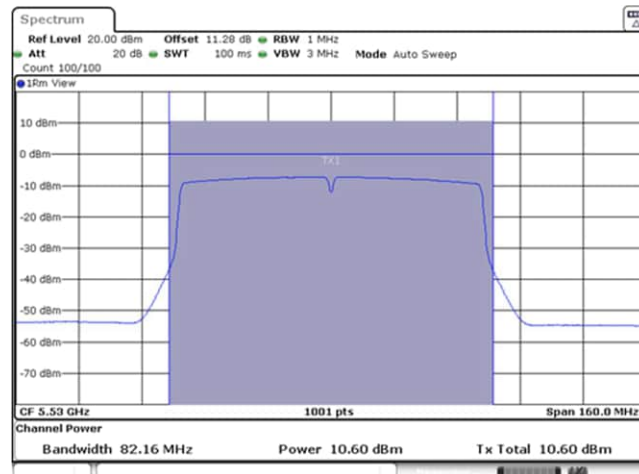
[IEEE802.11ac (HT80)]
(5.2 GHz Band)
Channel: 42



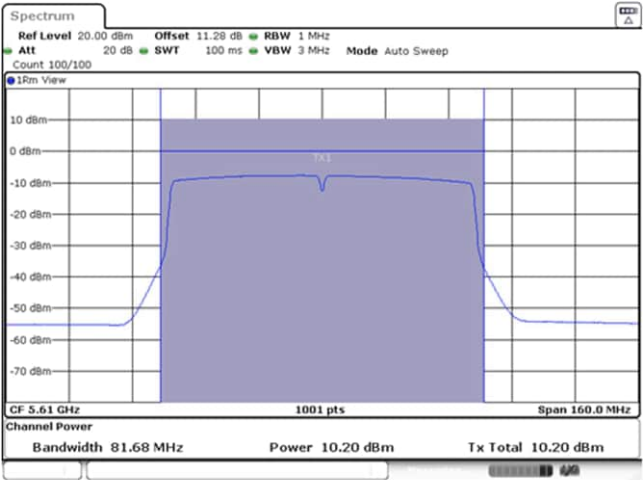
(5.3GHz Band)
Channel: 58



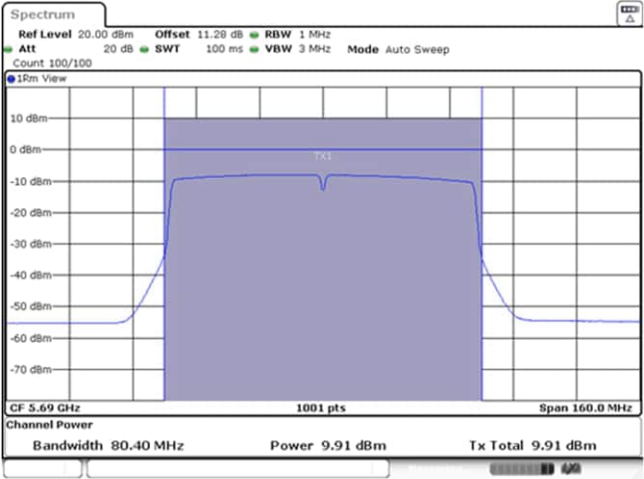
(5.6 GHz Band)
Channel: 106



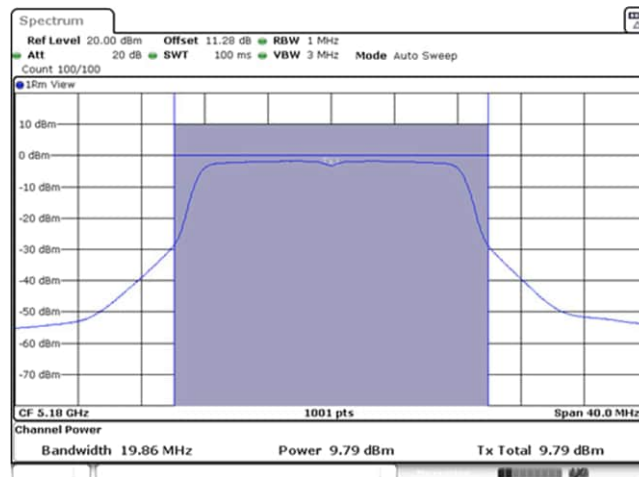
**(5.6 GHz Band)
Channel: 122**



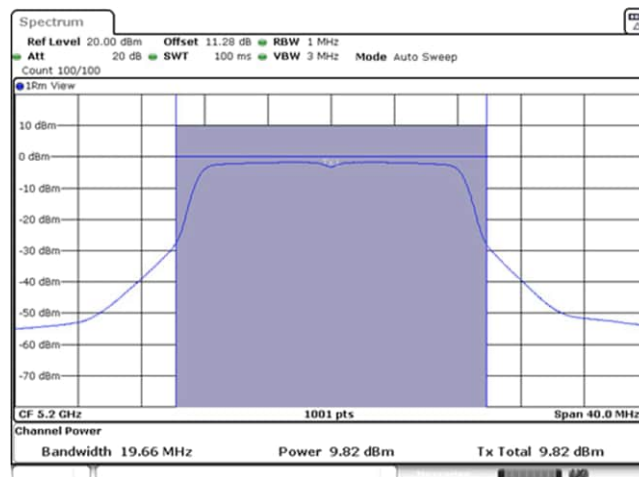
Channel: 138



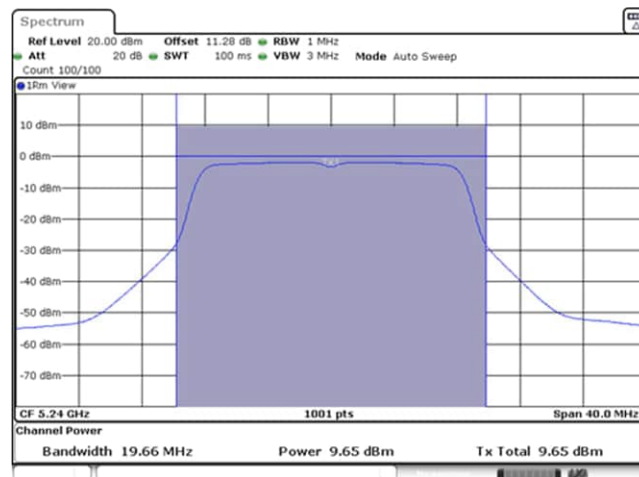
[Chain 1]
[IEEE802.11a]
(5.2 GHz Band)
Channel: 36



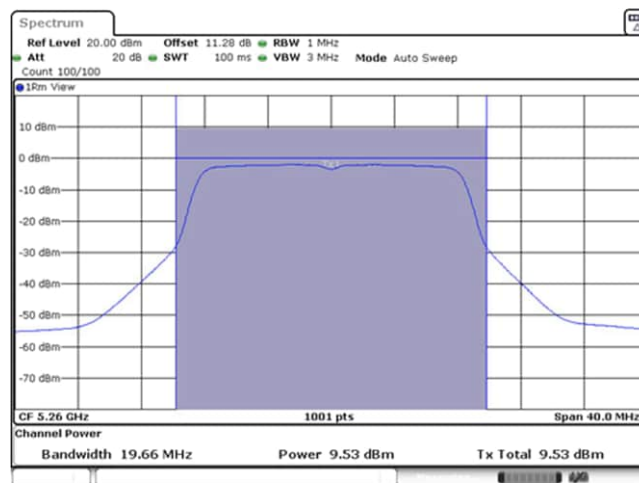
Channel: 40



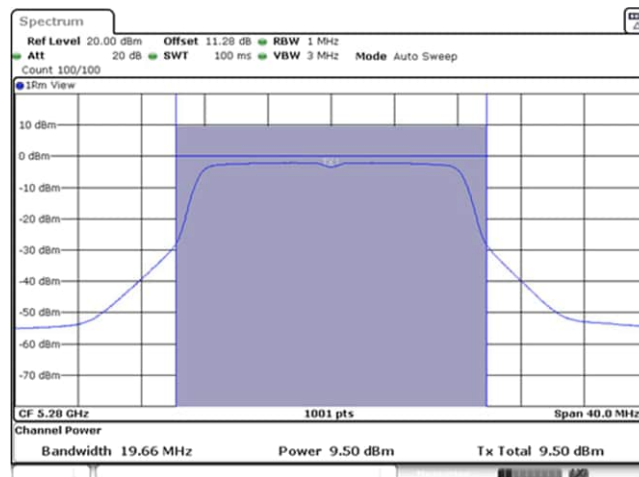
Channel: 48



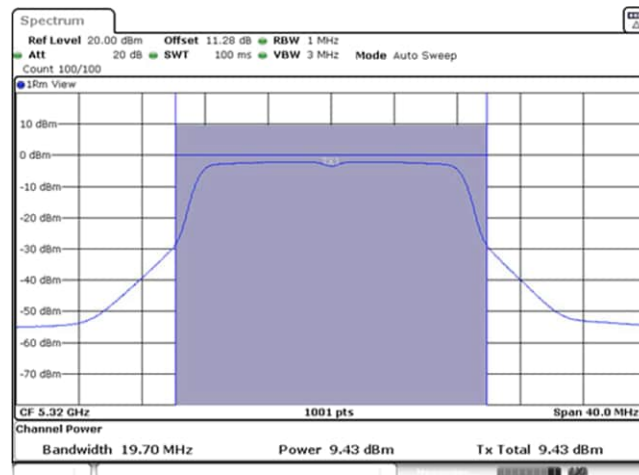
**(5.3 GHz Band)
Channel: 52**



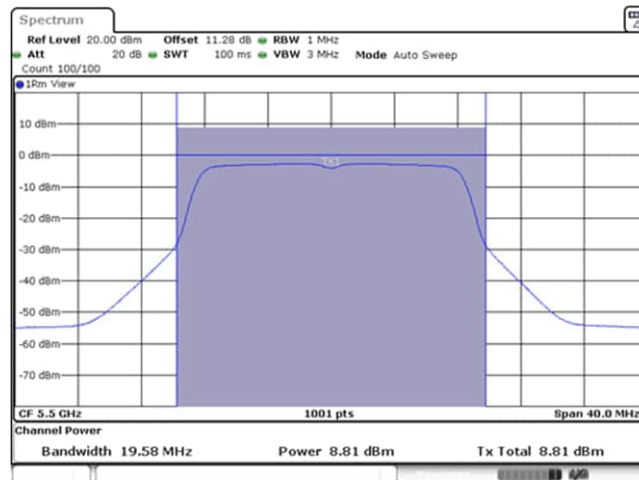
Channel: 56



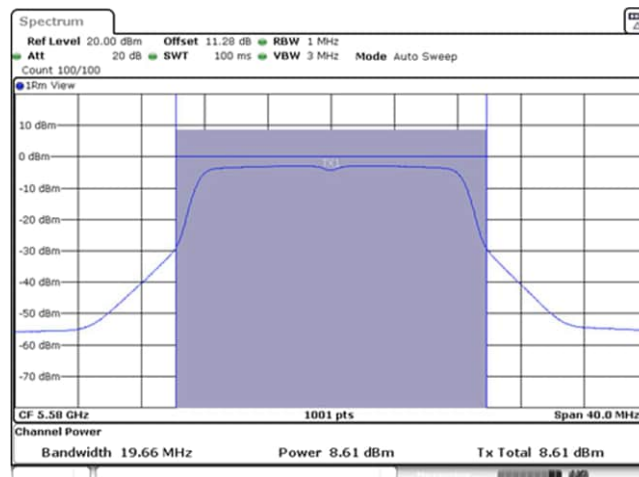
Channel: 64



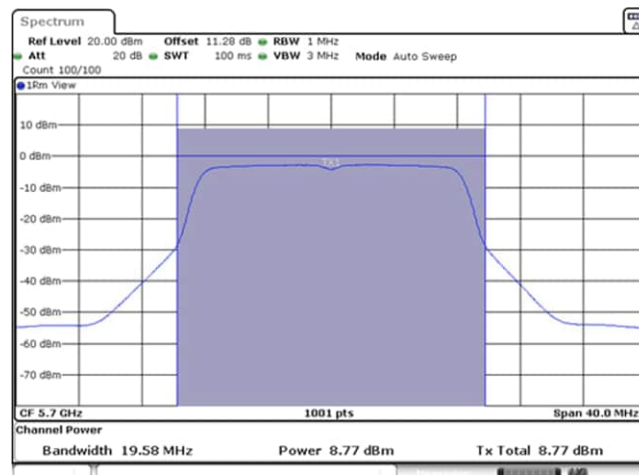
**(5.6 GHz Band)
Channel: 100**



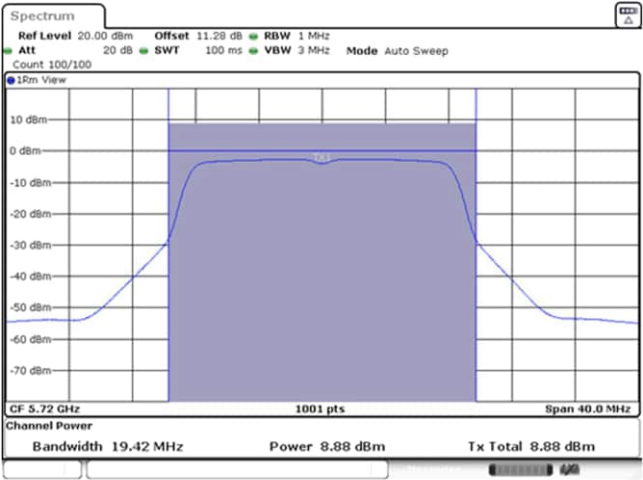
Channel: 116



Channel: 140



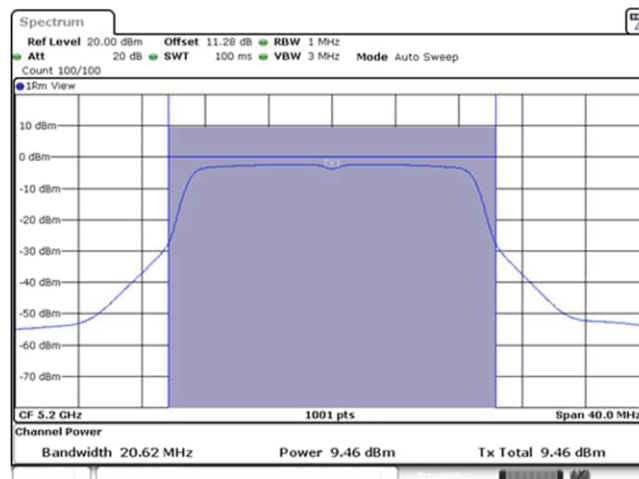
(5.6 GHz Band)
Channel: 144



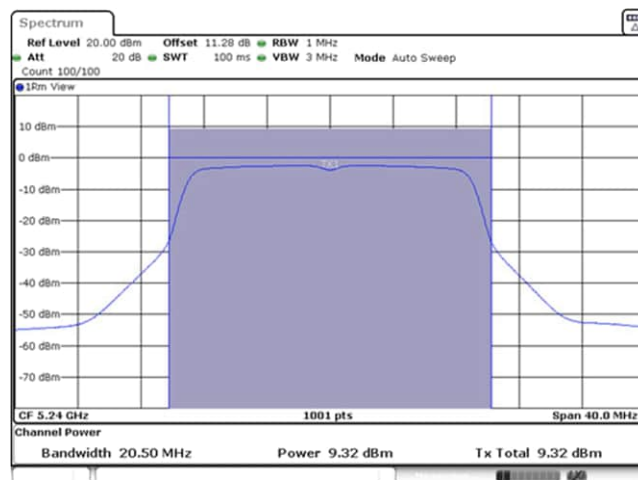
[IEEE802.11n (HT20)]
(5.2 GHz Band)
Channel: 36



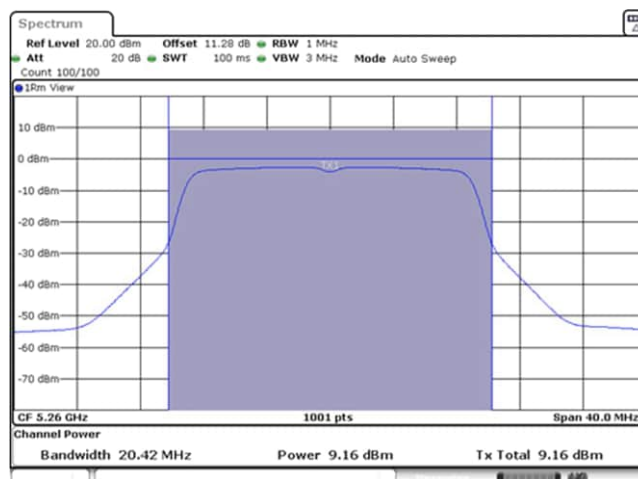
Channel: 40



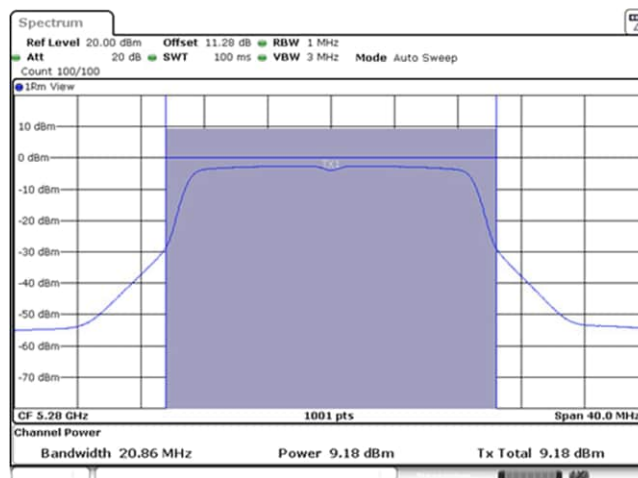
**(5.2 GHz Band)
Channel: 48**



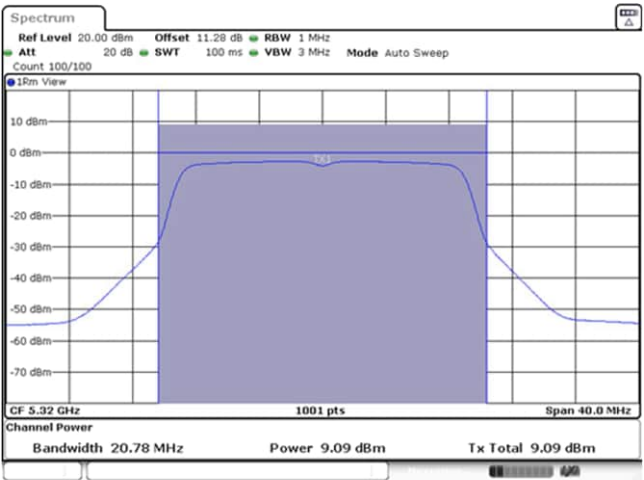
**(5.3 GHz Band)
Channel: 52**



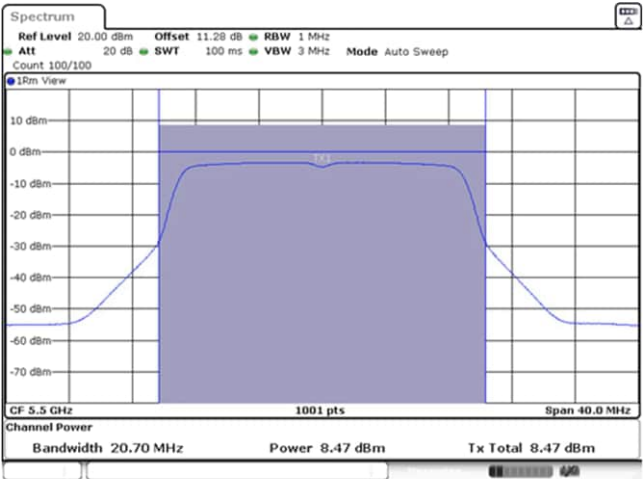
Channel: 56



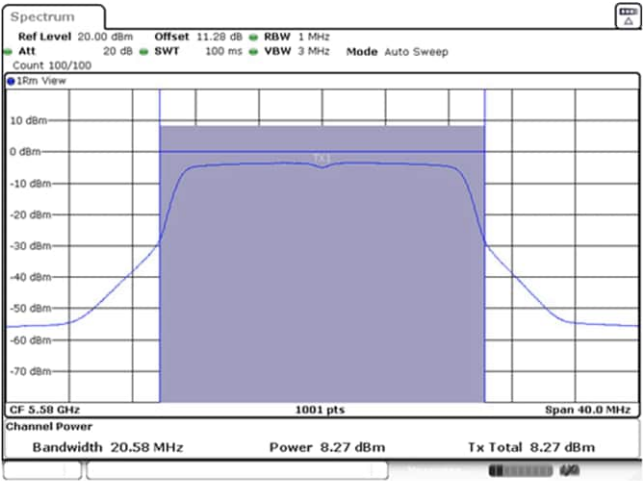
**(5.3 GHz Band)
Channel: 64**



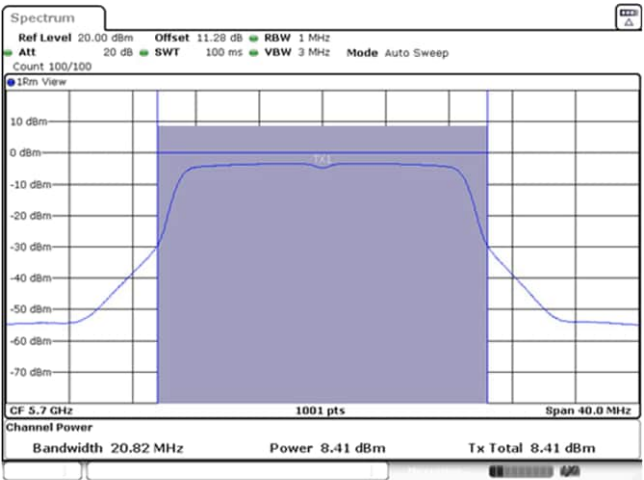
**(5.6 GHz Band)
Channel: 100**



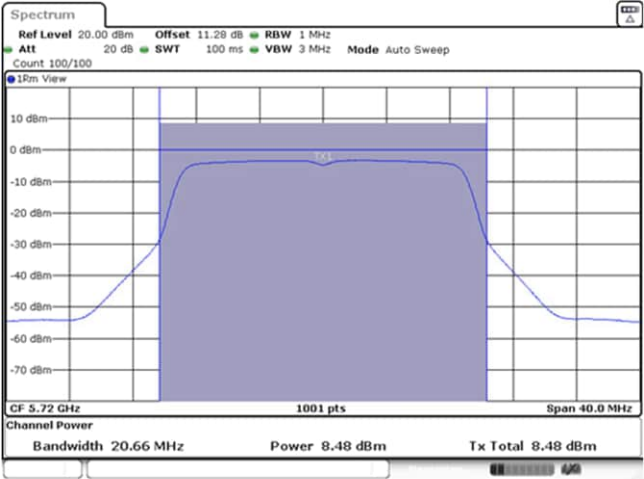
Channel: 116



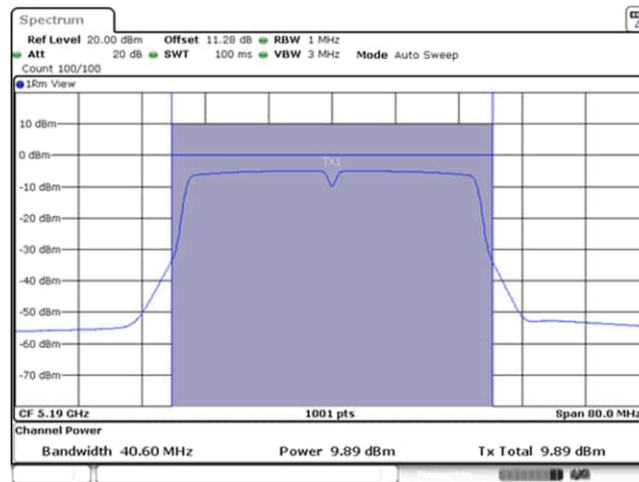
**(5.6 GHz Band)
Channel: 140**



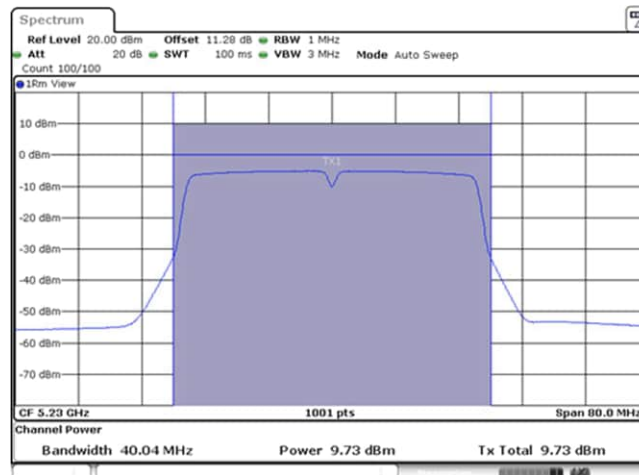
Channel: 144



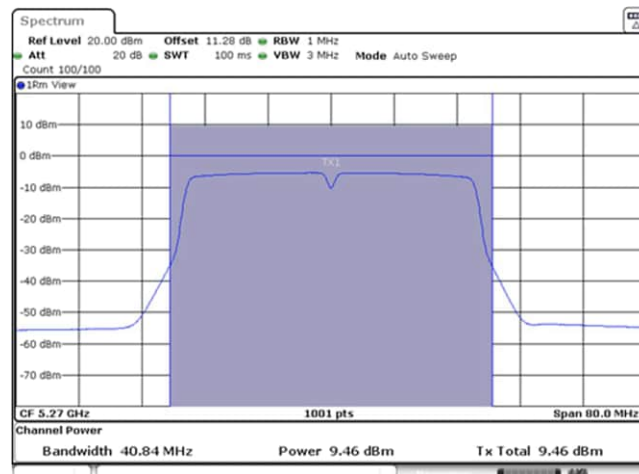
[IEEE802.11n (HT40)]
(5.2 GHz Band)
Channel: 38



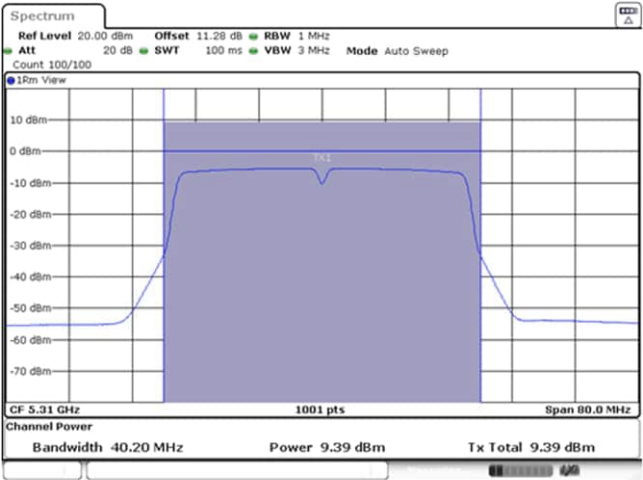
(5.2 GHz Band)
Channel: 46



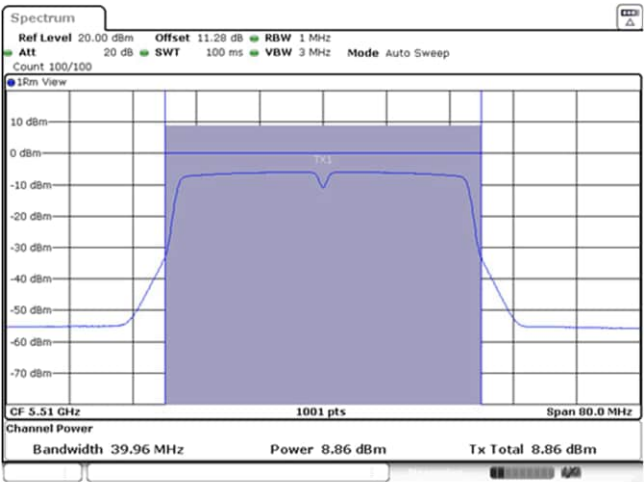
(5.3 GHz Band)
Channel: 54



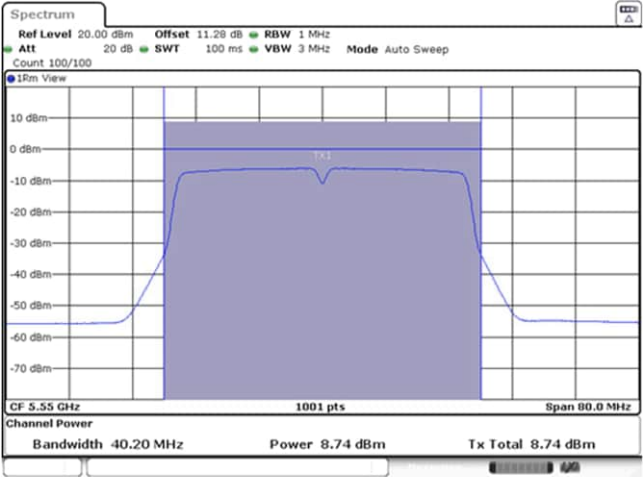
(5.3 GHz Band)
Channel: 62



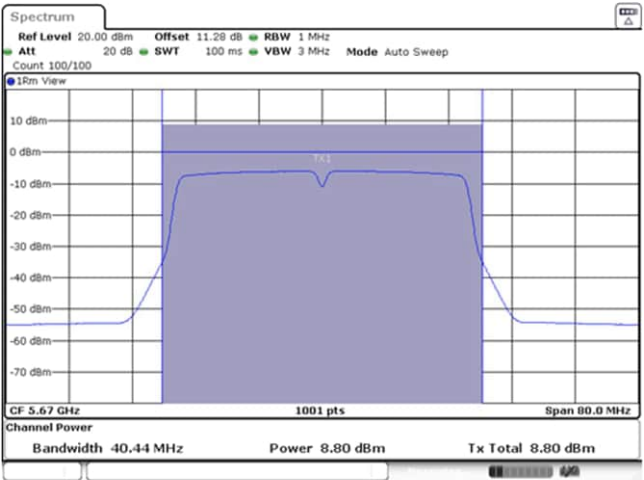
**(5.6 GHz Band)
Channel: 102**



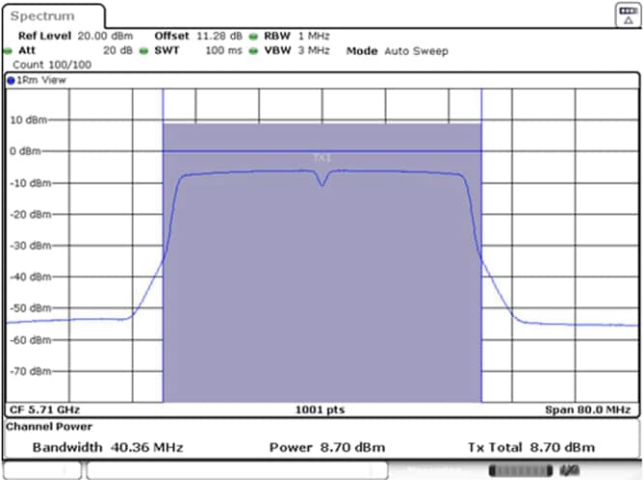
Channel: 110



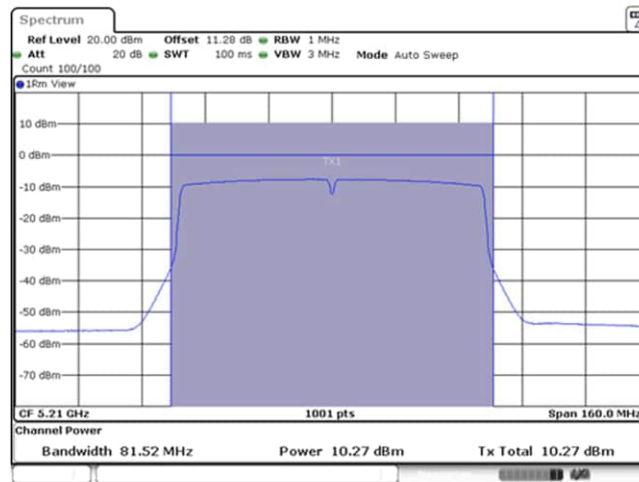
Channel: 134



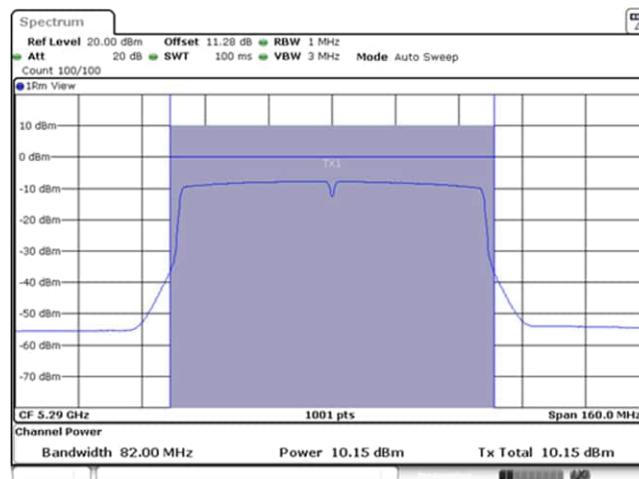
(5.6 GHz Band)
Channel: 142



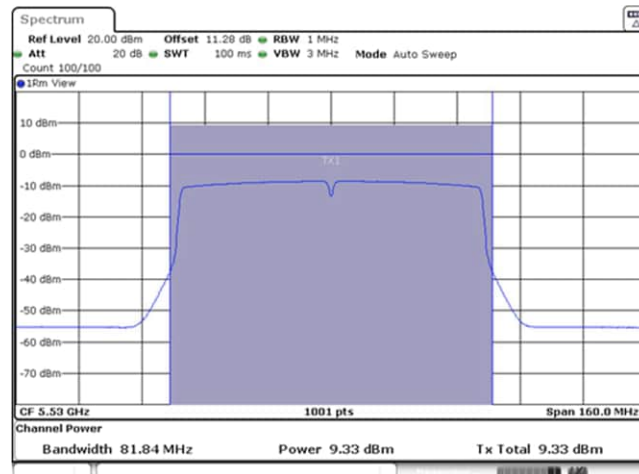
[IEEE802.11ac (HT80)]
(5.2 GHz Band)
Channel: 42



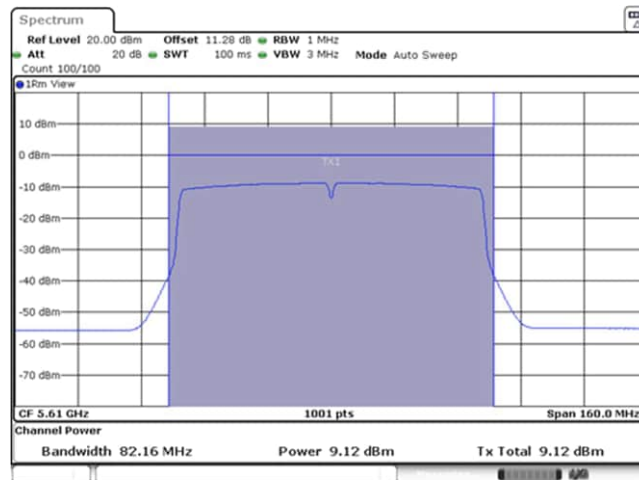
(5.3GHz Band)
Channel: 58



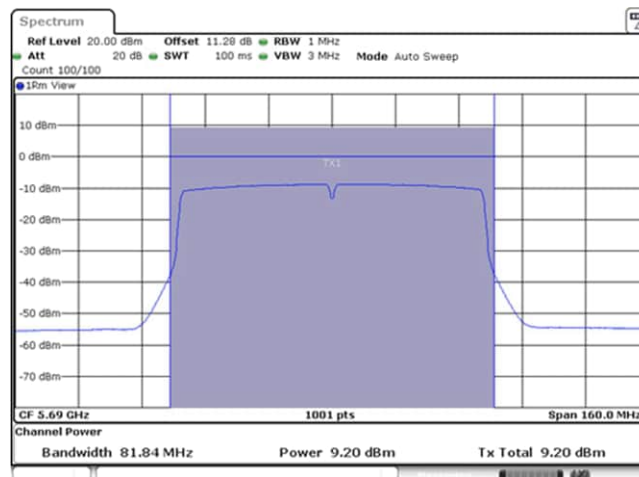
(5.6 GHz Band)
Channel: 106



**(5.6 GHz Band)
Channel: 122**



Channel: 138



4.3 Peak Power Spectral Density

4.3.1 Measurement procedure

[FCC 15.407(a), KDB 789033 D02, Section F]

The peak power spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;

- RBW=1 MHz, VBW=3 MHz, Span=25 MHz/50 MHz/100 MHz, Sweep=Auto, Detector=RMS, Trace mode=Averaging

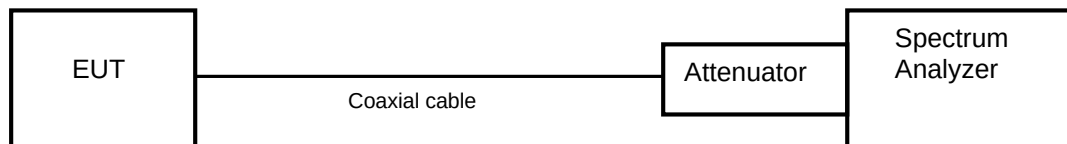
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.

- Tx mode

- Test configuration



4.3.2 Limit

(1) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

(3) For the 5.725-5.85 GHz bands, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirection applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.3.3 DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting OFDMA in all MIMO modes. The directional gains are as follows:

Band	Chain0 Gain (dBi)	Chain1 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2 GHz Band	0.3	1.0	0.66	3.67
5.3 GHz Band	1.3	1.1	1.20	4.21
5.6 GHz Band	2.6	2.2	2.40	5.41

Note: 802.11a does not support MIMO.

<Peak Power Spectral Density Limit Calculation>

[Chain 0]

Band	Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2 GHz Band	11	0.3	11.3 dBm/MHz
5.3 GHz Band	11	1.3	12.3 dBm/MHz
5.6 GHz Band	11	2.6	13.6 dBm/MHz

[Chain 1]

Band	Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2 GHz Band	11	1.0	12.0 dBm/MHz
5.3 GHz Band	11	1.1	12.1 dBm/MHz
5.6 GHz Band	11	2.2	13.2 dBm/MHz

[Chain 0 + Chain1]

Band	Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2 GHz Band	11	3.67	14.67 dBm/MHz
5.3 GHz Band	11	4.21	15.21 dBm/MHz
5.6 GHz Band	11	5.41	16.41 dBm/MHz

4.3.4 Measurement result

Date : 5-December-2025
 Temperature : 20.3 [°C]
 Humidity : 47.5 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 8-December-2025
 Temperature : 19.4 [°C]
 Humidity : 46.1 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11a	36	5180	-2.24	2.098	2.119	0.990	0.000	-2.24
	40	5200	-2.20					-2.20
	48	5240	-2.04					-2.04
	52	5260	-2.10	2.098	2.119	0.990	0.000	-2.10
	56	5280	-2.02					-2.02
	64	5320	-1.89					-1.89
	100	5500	-1.90	2.098	2.119	0.990	0.000	-1.90
	116	5580	-2.21					-2.21
	140	5700	-2.64					-2.64
	144	5720	-2.47					-2.47

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11n (20MHz)	36	5180	-2.86	5.421	5.457	0.993	0.000	-2.86
	40	5200	-2.77					-2.77
	48	5240	-2.60					-2.60
	52	5260	-2.64	5.421	5.457	0.993	0.000	-2.64
	56	5280	-2.58					-2.58
	64	5320	-2.42					-2.42
	100	5500	-2.39	5.421	5.457	0.993	0.000	-2.39
	116	5580	-2.74					-2.74
	140	5700	-3.17					-3.17
	144	5720	-3.04					-3.04

Note 1: X = On time / (On + Off time), DCF=10log (1/x)

Note 2: Test Result = Reading + DCF

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11n (40MHz)	38	5190	-5.42	5.400	5.453	0.990	0.000	-5.42
	46	5230	-5.26					-5.26
	54	5270	-5.26	5.400	5.453	0.990	0.000	-5.26
	62	5310	-5.14					-5.14
	102	5510	-5.24	5.400	5.453	0.990	0.000	-5.24
	110	5550	-5.15					-5.15
	134	5670	-5.49					-5.49
	142	5710	-5.78					-5.78

[Chain 0]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ac (80MHz)	42	5210	-7.27	5.400	5.453	0.990	0.000	-7.27
	58	5290	-7.23	5.400	5.453	0.990	0.000	-7.23
	106	5530	-7.28	5.400	5.453	0.990	0.000	-7.28
	122	5610	-7.64	5.400	5.453	0.990	0.000	-7.64
	138	5690	-7.96	5.400	5.453	0.990	0.000	-7.96

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$

Note 2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11a	36	5180	-1.76	2.098	2.119	0.990	0.000	-1.76
	40	5200	-1.74					-1.74
	48	5240	-1.90					-1.90
	52	5260	-2.02	2.098	2.119	0.990	0.000	-2.02
	56	5280	-2.03					-2.03
	64	5320	-2.11					-2.11
	100	5500	-2.75	2.098	2.119	0.990	0.000	-2.75
	116	5580	-2.91					-2.91
	140	5700	-2.74					-2.74
	144	5720	-2.65					-2.65

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11n (20MHz)	36	5180	-2.35	5.421	5.457	0.993	0.000	-2.35
	40	5200	-2.34					-2.34
	48	5240	-2.47					-2.47
	52	5260	-2.63	5.421	5.457	0.993	0.000	-2.63
	56	5280	-2.66					-2.66
	64	5320	-2.71					-2.71
	100	5500	-3.32	5.421	5.457	0.993	0.000	-3.32
	116	5580	-3.51					-3.51
	140	5700	-3.35					-3.35
	144	5720	-3.27					-3.27

Note 1: X = On time / (On + Off time), DCF=10log (1/x)

Note 2: Test Result = Reading + DCF

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11n (40MHz)	38	5190	-4.96	5.400	5.453	0.990	0.000	-4.96
	46	5230	-5.11					-5.11
	54	5270	-5.35	5.400	5.453	0.990	0.000	-5.35
	62	5310	-5.44					-5.44
	102	5510	-6.00	5.400	5.453	0.990	0.000	-6.00
	110	5550	-6.08					-6.08
	134	5670	-6.02					-6.02
	142	5710	-6.12					-6.12

[Chain 1]

Mode	Channel	Frequency (MHz)	Reading (dBm)	Duty Cycle			DCF (dB)	Test Result (dBm)
				On Time(ms)	On+Off Time(ms)	X		
802.11ac (80MHz)	42	5210	-7.65	5.400	5.453	0.990	0.000	-7.65
	58	5290	-7.76	5.400	5.453	0.990	0.000	-7.76
	106	5530	-8.58	5.400	5.453	0.990	0.000	-8.58
	122	5610	-8.83	5.400	5.453	0.990	0.000	-8.83
	138	5690	-8.72	5.400	5.453	0.990	0.000	-8.72

Note 1: $X = \text{On time} / (\text{On} + \text{Off time})$, $\text{DCF} = 10 \log (1/x)$

Note 2: $\text{Test Result} = \text{Reading} + \text{DCF}$

[Chain 0 + Chain 1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain0	Chain1	
802.11n (20MHz)	36	5180	-2.859	-2.351	0.413
	40	5200	-2.768	-2.341	0.461
	58	5240	-2.599	-2.473	0.475
	52	5260	-2.640	-2.627	0.377
	56	5280	-2.584	-2.660	0.388
	64	5320	-2.416	-2.705	0.452
	100	5500	-2.389	-3.318	0.181
	116	5580	-2.744	-3.508	-0.099
	140	5700	-3.174	-3.350	-0.251
	144	5720	-3.035	-3.272	-0.142

[Chain 0 + Chain 1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain0	Chain1	
802.11n (40MHz)	38	5190	-5.421	-4.960	-2.174
	46	5230	-5.264	-5.110	-2.176
	54	5270	-5.257	-5.349	-2.293
	62	5310	-5.139	-5.441	-2.277
	102	5510	-5.236	-6.002	-2.592
	110	5550	-5.152	-6.082	-2.582
	134	5670	-5.486	-6.024	-2.737
	142	5710	-5.782	-6.118	-2.936

[Chain 0 + Chain 1]

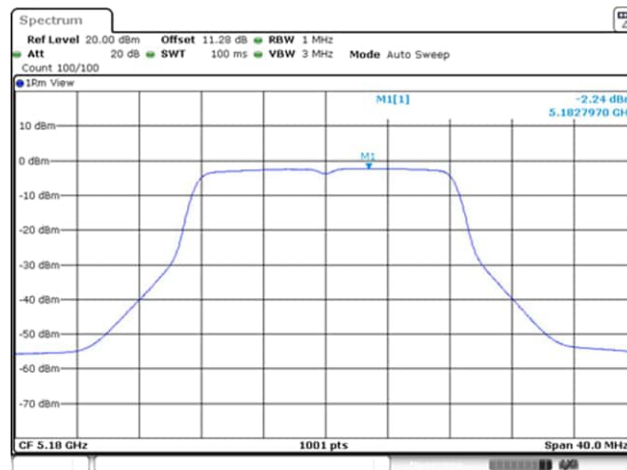
Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)
			Chain0	Chain1	
802.11ac (80MHz)	42	5210	-7.274	-7.645	-4.445
	58	5290	-7.231	-7.757	-4.476
	106	5530	-7.280	-8.583	-4.873
	122	5610	-7.644	-8.830	-5.186
	138	5690	-7.959	-8.717	-5.311

Note: X = On time / (On + Off time), DCF=10log (1/x)

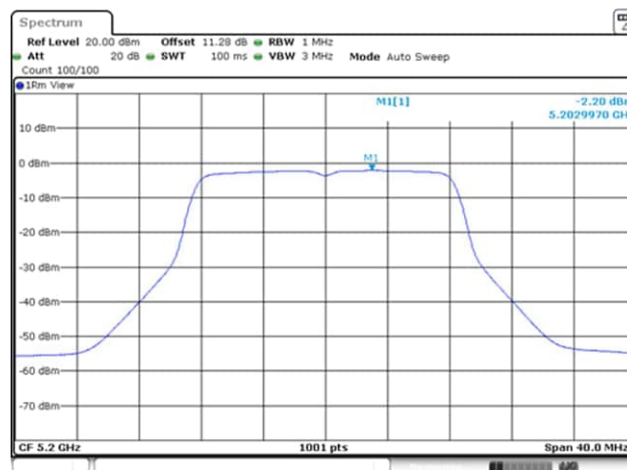
Note 2: Test Result = Reading + DCF

4.3.5 Trace data

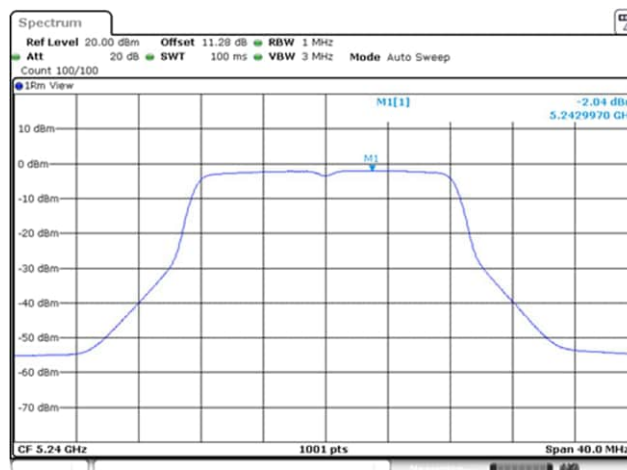
[Chain 0]
[IEEE802.11a]
(5.2 GHz Band)
Channel: 36



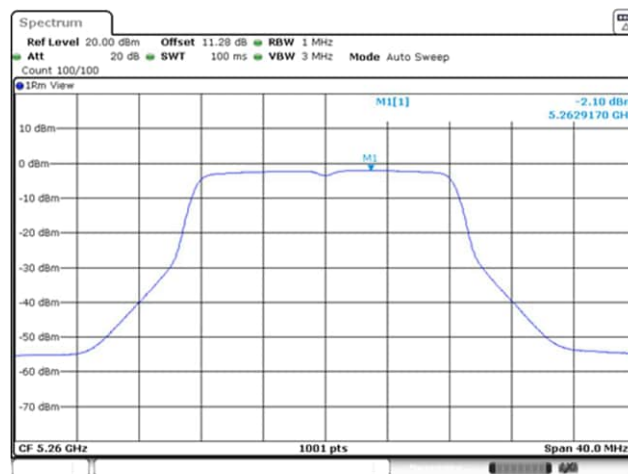
Channel: 40



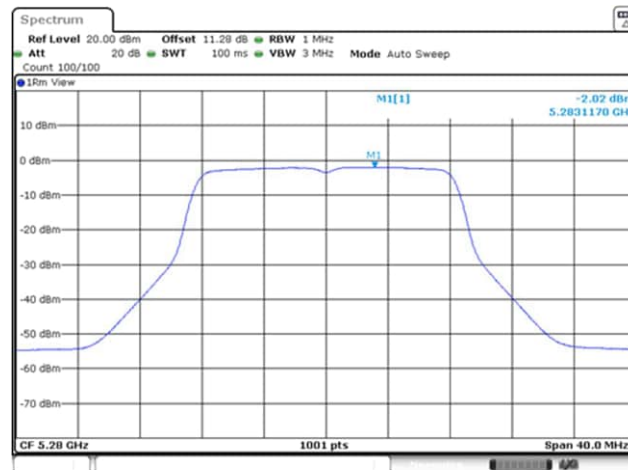
Channel: 48



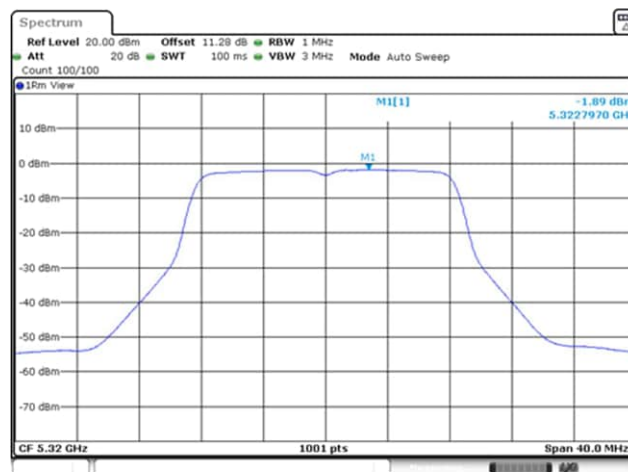
**(5.3 GHz Band)
Channel: 52**



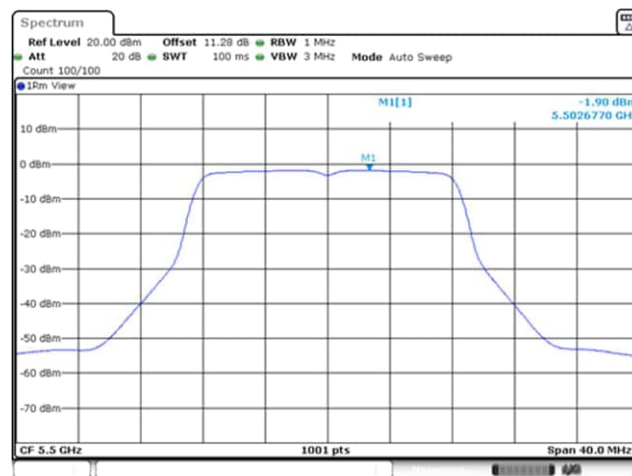
Channel: 56



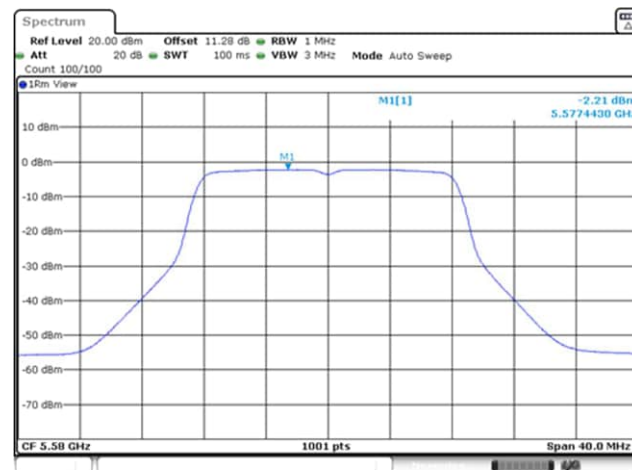
Channel: 64



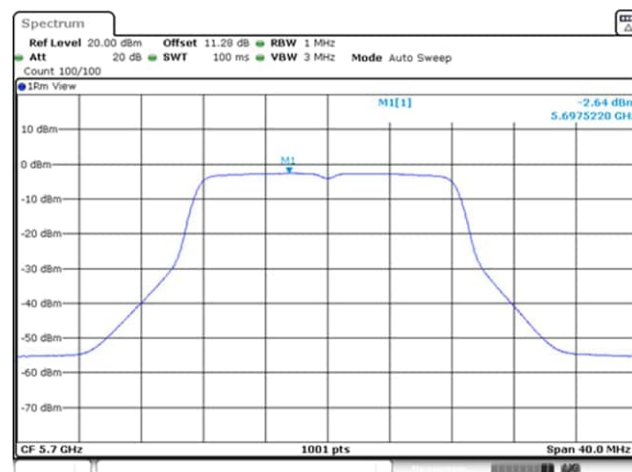
**(5.6 GHz Band)
Channel: 100**



Channel: 116



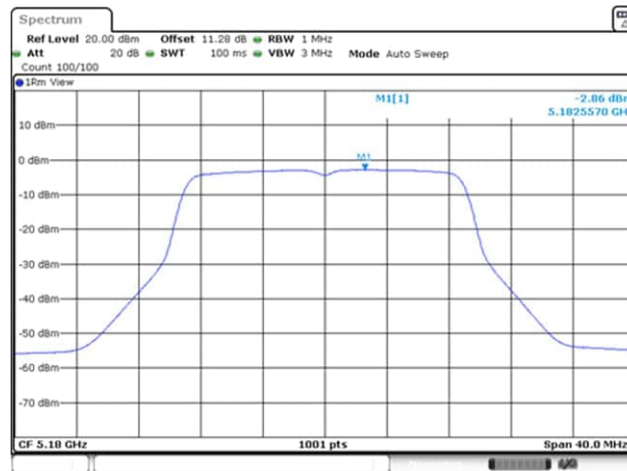
Channel: 140



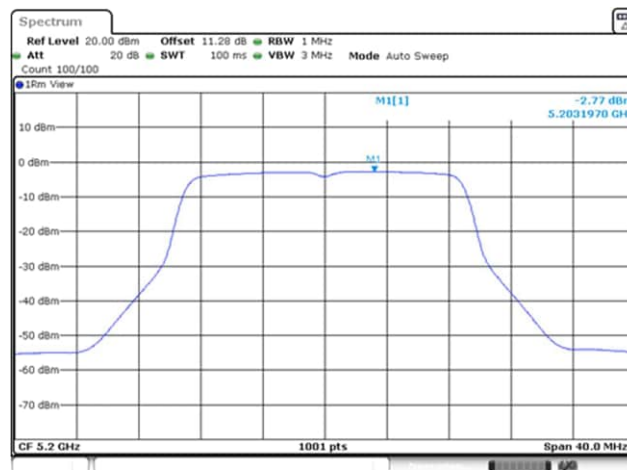
(5.6 GHz Band)
Channel: 144



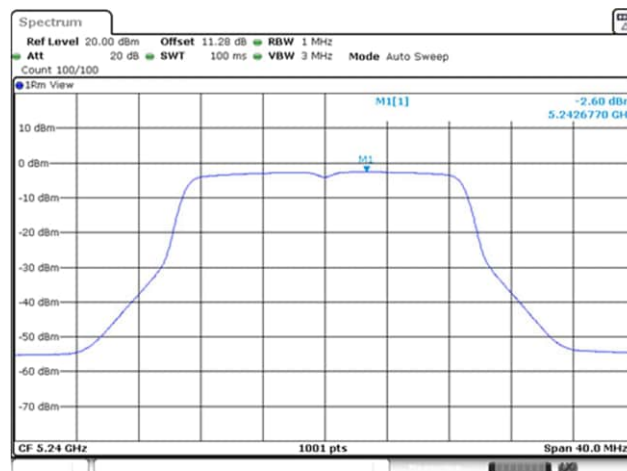
[IEEE802.11n (HT20)]
(5.2 GHz Band)
Channel: 36



Channel: 40



Channel: 48



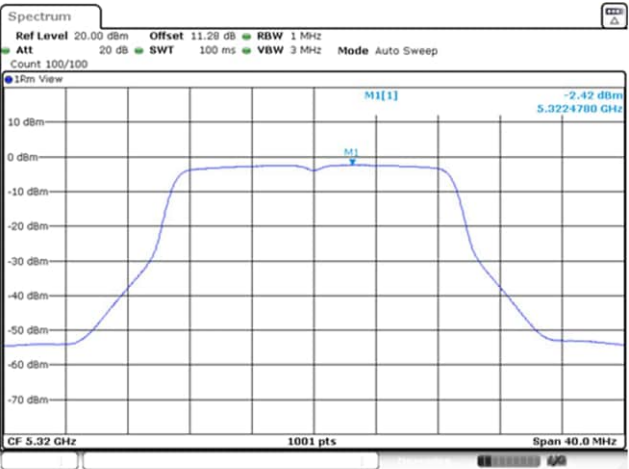
(5.3 GHz Band)
Channel: 52



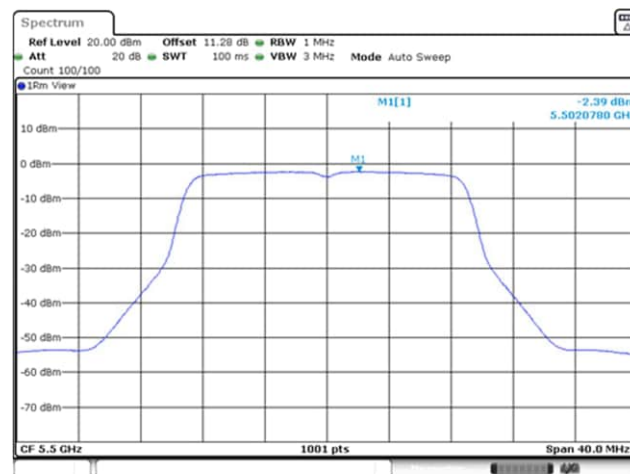
Channel: 56



Channel: 64



**(5.6 GHz Band)
Channel: 100**



Channel: 116



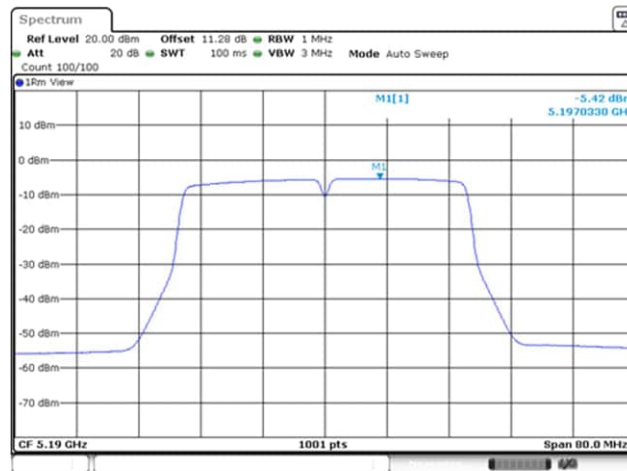
Channel: 140



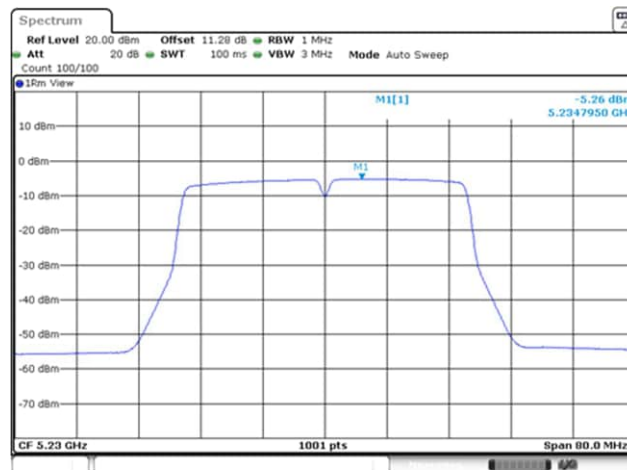
(5.6 GHz Band)
Channel: 144



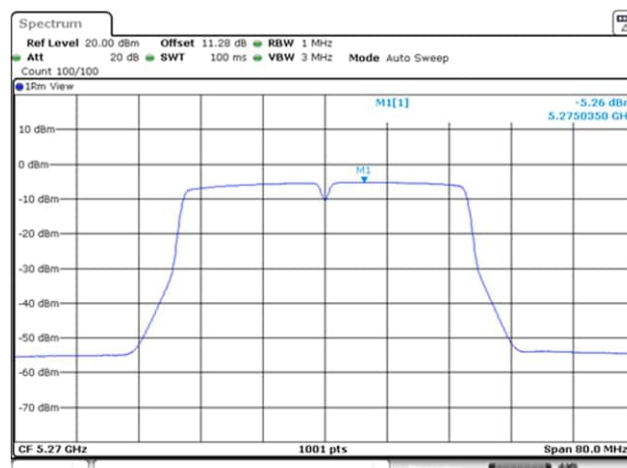
[IEEE802.11n (HT40)]
(5.2 GHz Band)
Channel: 38



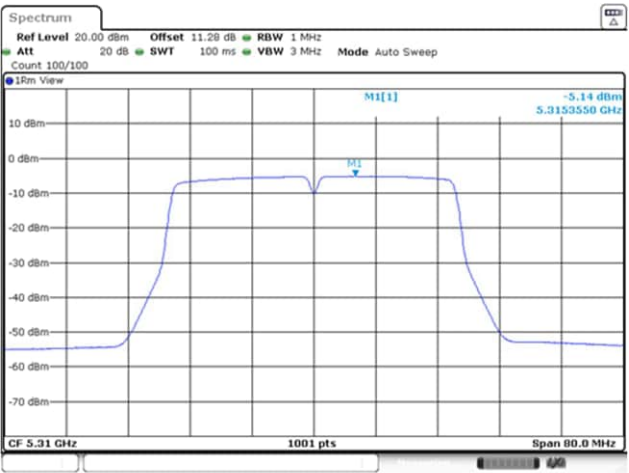
(5.2 GHz Band)
Channel: 46



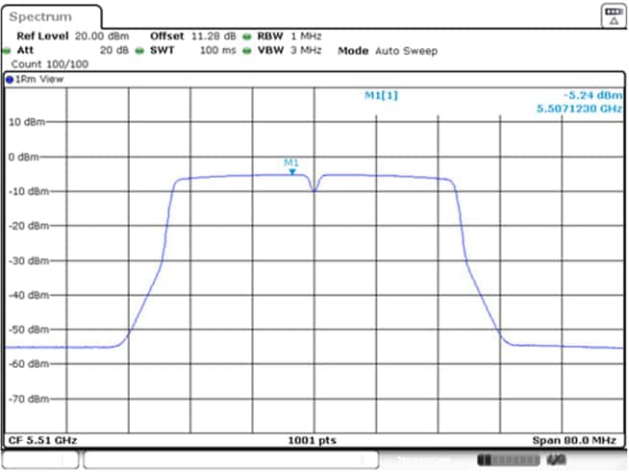
(5.3 GHz Band)
Channel: 54



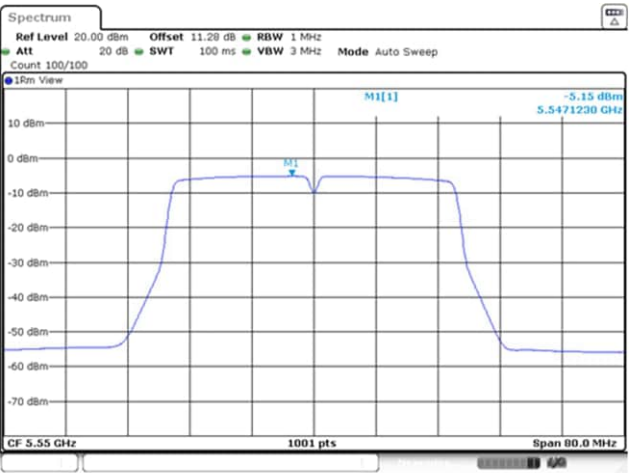
(5.3 GHz Band)
Channel: 62



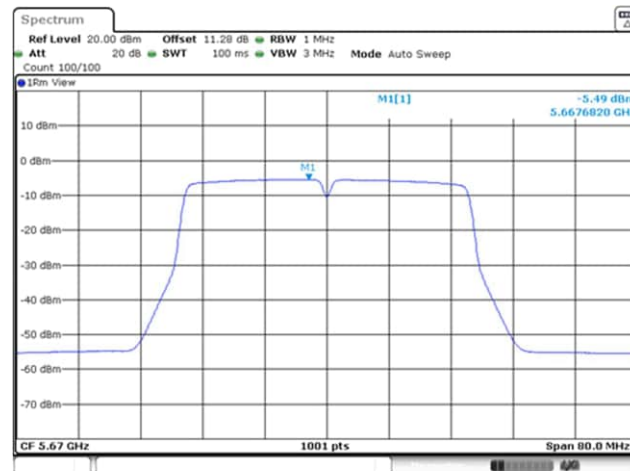
(5.6 GHz Band)
Channel: 102



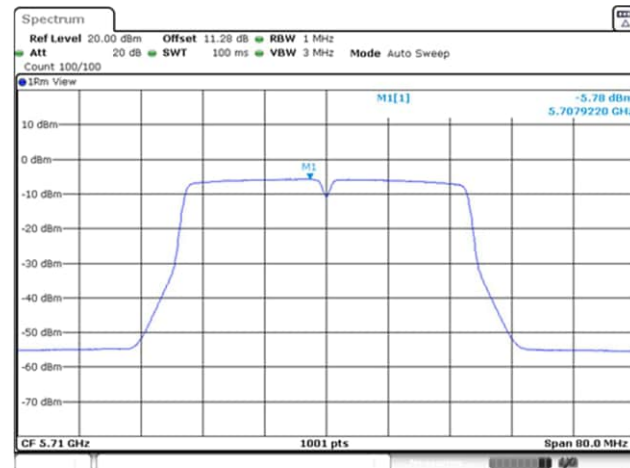
Channel: 110



**(5.6 GHz Band)
Channel: 134**



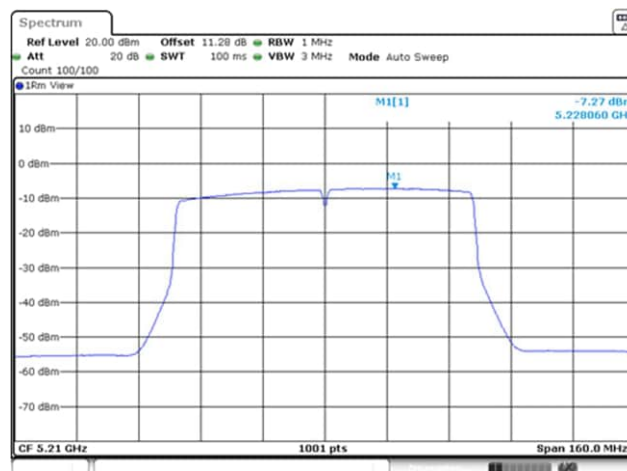
**(5.6 GHz Band)
Channel: 142**



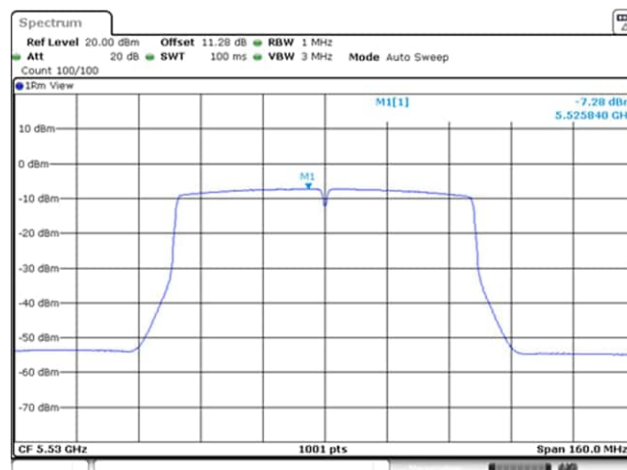
[IEEE802.11ac (HT80)]
(5.2 GHz Band)
Channel: 42



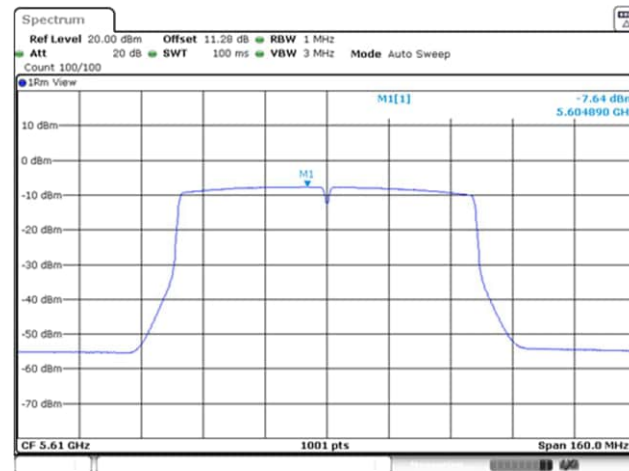
(5.3GHz Band)
Channel: 58



(5.6GHz Band)
Channel: 106



**(5.6GHz Band)
Channel: 122**



Channel: 138

