

Report on the RF Testing of:

KYOCERA Corporation
Mobile Phone, Model: EB1157
FCC ID: JOYEB1157

In accordance with FCC Part15 Subpart E

Prepared for: KYOCERA Corporation
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Hiroaki Suzuki	Deputy Manager of RF Group	Approved Signatory	2023.08.18

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EXECUTIVE SUMMARY – Result: Complied

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



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1 Summary of Test

1.1 Modification history of the test report

Document Number	Modification History	Issue Date
JPD-TR-23081-0	First Issue	Refer to the cover page

1.2 Standards

CFR47 FCC Part 15 Subpart E

1.3 Test methods

ANSI C63.10-2013
 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

6-July-2023 - 28-July-2023

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: +81-45-943-6253 Fax: +81-45-943-6314
Equipment Under Test (EUT)	Mobile Phone
Model number	EB1157
Serial number	358018240001198, 358018240001065
Trade name	Kyocera
Number of sample(s)	2
EUT condition	Pre-Production
Power rating	Battery: DC 3.87 V
Size	(W) 75 mm x (D) 14.6 mm x (H) 154 mm
Environment	Indoor and Outdoor use
Terminal limitation	-20 °C to 60 °C
Hardware version	Pre-Production
Software version	0.130RI
Firmware version	Not applicable
RF Specification	
Protocol	IEEE802.11ax (HE20), IEEE802.11ax (HE40), IEEE802.11ax (HE80)
Frequency range	IEEE802.11ax (HE20): 5180 MHz-5320 MHz, 5500 MHz-5720 MHz IEEE802.11ax (HE40): 5190 MHz-5310 MHz, 5510 MHz-5710 MHz IEEE802.11ax (HE80): 5210 MHz, 5290 MHz, 5530 MHz, 5610 MHz, 5690MHz
Number of RF Channels	IEEE802.11ax (HE20): 20 Channels IEEE802.11ax (HE40): 10 Channels IEEE802.11ax (HE80): 5 Channels
Modulation type	IEEE802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel separation	IEEE802.11ax (HE20): 20 MHz IEEE802.11ax (HE40): 40 MHz IEEE802.11ax (HE80): 80 MHz



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Conducted power	14.125 mW (IEEE802.11ax: HE20) 14.125 mW (IEEE802.11ax: HE40) 12.942 mW (IEEE802.11ax: HE80)
Antenna type	Internal antenna
Antenna gain	[ANT3] 5.15-5.35 GHz band: 2.2 dBi 5.47-5.725 GHz band: 3.2 dBi [ANT5] 5.15-5.35 GHz band: 0.6 dBi 5.47-5.725 GHz band: 1.9 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: EB1157, Serial Number: 358018240001198, 358018240001065			
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

[IEEE802.11ax (HE20)]

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

[IEEE802.11ax (HE40)]

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

[IEEE802.11ax (HE80)]

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	IEEE802.11ax (HE20)		IEEE802.11ax (HE40)		IEEE802.11ax (HE80)	
	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	IEEE802.11ax: OFDM	MCS0
5.3 GHz Band	IEEE802.11ax: OFDM	MCS0
5.6 GHz Band	IEEE802.11ax: OFDM	MCS0

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 X-axis, Chain Both 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.



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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	EB1157	358018240001198 358018240001065	JOYEB1157	EUT
2	AC Adapter	KDDI	0602PQA	N/A	N/A	*

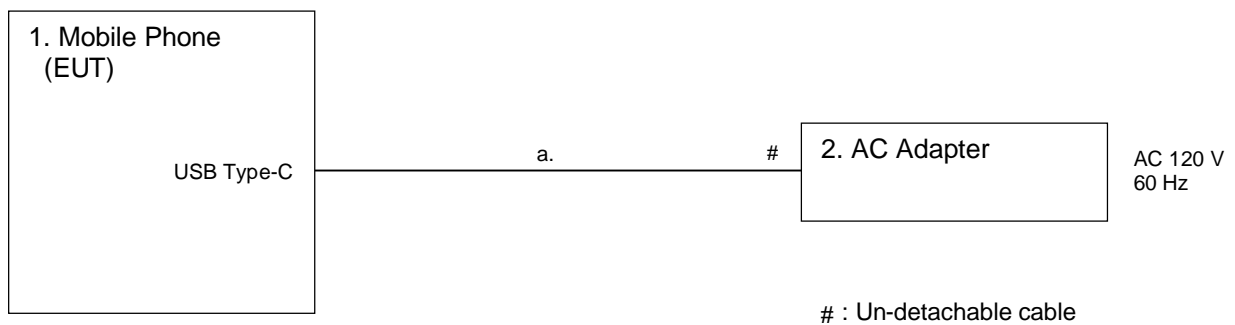
*: AC power line Conducted Emission Test.

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=200 kHz/430 kHz/820 kHz, VBW=620 kHz/1.3 MHz/2.4 MHz, Span=40 MHz/80 MHz/160 MHz
- Sweep=auto, Detector=Peak, Trace mode=Max hold

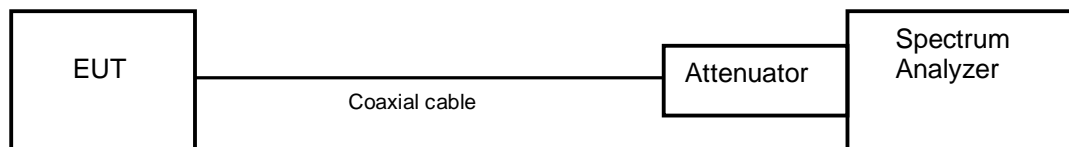
The EUT was set to operate with following conditions.

- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band, 5.8 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 : 19-July-2023
 Temperature : 23.3 [°C]
 Humidity : 59.6 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 25-July-2023
 Temperature : 24.1 [°C]
 Humidity : 51.1 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito



[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 26-Tones	5.2GHz Band	36	5180	20.565	18.5938
		40	5200	18.869	17.2352
		48	5240	20.225	18.3434
	5.3GHz Band	52	5260	20.380	18.5542
		56	5280	18.696	17.1479
		64	5320	20.113	18.7077
	5.6GHz Band	100	5500	20.460	18.6105
		116	5580	18.840	17.3364
		140	5700	20.288	18.4406
		144	5720	20.261	18.5776

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 52-Tones	5.2GHz Band	36	5180	21.060	18.3629
		40	5200	18.994	17.1287
		48	5240	20.824	18.2900
	5.3GHz Band	52	5260	21.065	18.3544
		56	5280	19.172	17.2641
		64	5320	20.663	18.1849
	5.6GHz Band	100	5500	20.964	18.3648
		116	5580	18.957	17.3050
		140	5700	20.314	18.2708
		144	5720	21.006	18.4400

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 106-Tones	5.2GHz Band	36	5180	20.951	18.2761
		40	5200	20.914	18.2629
		48	5240	20.838	18.0986
	5.3GHz Band	52	5260	20.976	18.2660
		56	5280	20.932	18.2762
		64	5320	21.285	18.3594
	5.6GHz Band	100	5500	20.841	18.2618
		116	5580	20.897	18.2402
		140	5700	20.993	18.3519
		144	5720	20.986	18.2807



[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 242-Tones	5.2GHz Band	36	5180	22.144	19.0506
		40	5200	22.362	19.0547
		48	5240	22.001	19.0542
	5.3GHz Band	52	5260	22.023	19.0511
		56	5280	22.261	19.0727
		64	5320	22.159	19.0795
	5.6GHz Band	100	5500	22.122	19.0564
		116	5580	22.084	19.0497
		140	5700	22.087	19.0742
		144	5720	22.256	19.0706

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE40 484-Tones	5.2GHz Band	38	5190	43.842	37.9806
		46	5230	43.654	37.9575
	5.3GHz Band	54	5270	43.471	37.9604
		62	5310	43.450	37.9542
	5.6GHz Band	102	5510	43.431	37.9352
		110	5550	43.810	37.9843
		134	5670	43.563	37.9493
		142	5710	43.092	37.9414

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE80 996-Tones	5.2GHz Band	42	5210	87.175	77.6043
	5.3GHz Band	58	5290	86.999	77.7183
	5.6GHz Band	106	5530	87.364	77.7061
		122	5610	86.738	77.6965
		138	5690	87.619	77.7541



[Chain 1]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 26-Tones	5.2GHz Band	36	5180	19.370	18.0619
		40	5200	18.652	17.2346
		48	5240	20.422	18.4609
	5.3GHz Band	52	5260	20.474	18.5429
		56	5280	18.673	17.2157
		64	5320	20.484	18.4178
	5.6GHz Band	100	5500	20.664	18.3349
		116	5580	18.635	17.1650
		140	5700	20.455	18.5643
		144	5720	20.566	18.4317

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 52-Tones	5.2GHz Band	36	5180	20.829	18.3318
		40	5200	18.804	17.1447
		48	5240	20.579	18.2007
	5.3GHz Band	52	5260	20.727	18.3101
		56	5280	19.180	17.3017
		64	5320	20.401	18.2358
	5.6GHz Band	100	5500	20.613	18.2965
		116	5580	19.230	17.2051
		140	5700	20.451	18.1676
		144	5720	20.821	18.2585

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 106-Tones	5.2GHz Band	36	5180	21.080	18.2858
		40	5200	20.978	18.2982
		48	5240	21.006	17.9614
	5.3GHz Band	52	5260	21.085	18.3023
		56	5280	20.802	18.2428
		64	5320	21.031	18.3409
	5.6GHz Band	100	5500	21.081	18.1926
		116	5580	20.871	18.2767
		140	5700	20.900	18.2815
		144	5720	20.926	18.2508



[Chain 1]

Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE20 242-Tones	5.2GHz Band	36	5180	22.273	19.0380
		40	5200	22.243	19.0417
		48	5240	21.801	19.0571
	5.3GHz Band	52	5260	21.909	19.0233
		56	5280	22.061	19.0381
		64	5320	21.944	19.0366
	5.6GHz Band	100	5500	21.753	19.0154
		116	5580	21.705	19.0475
		140	5700	21.882	19.0365
		144	5720	21.701	19.0238

[Chain 1]

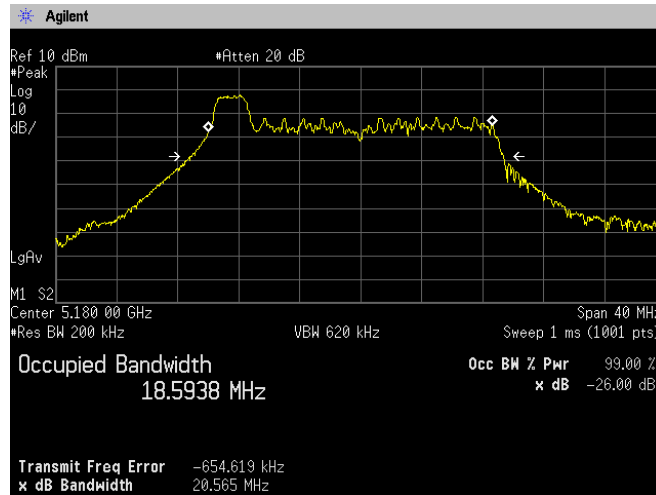
Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE40 484-Tones	5.2GHz Band	38	5190	44.046	37.9354
		46	5230	44.130	37.8933
	5.3GHz Band	54	5270	43.682	37.9549
		62	5310	43.666	37.9620
	5.6GHz Band	102	5510	43.786	38.0049
		110	5550	43.603	37.9402
		134	5670	43.168	37.9551
		142	5710	43.530	37.9989

[Chain 1]

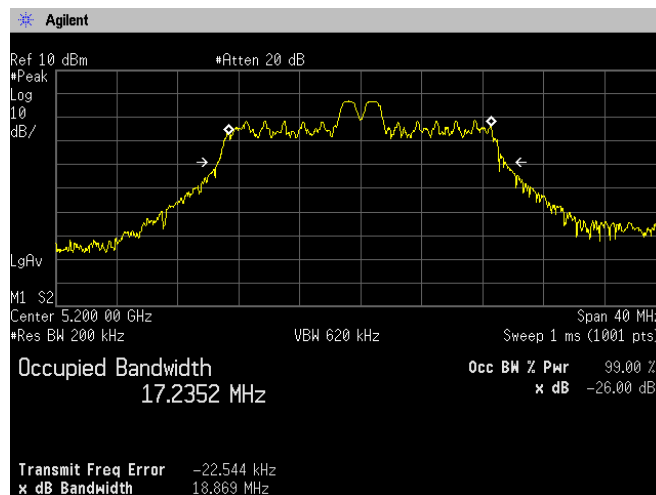
Mode	Band	Channel	Frequency (MHz)	26dB bandwidth (MHz)	99% Occupied bandwidth (MHz)
802.11ax HE80 996-Tones	5.2GHz Band	42	5210	87.561	77.5795
	5.3GHz Band	58	5290	86.837	77.7051
	5.6GHz Band	106	5530	87.314	77.7759
		122	5610	87.105	77.7023
		138	5690	87.938	77.6970

4.1.4 Trace data

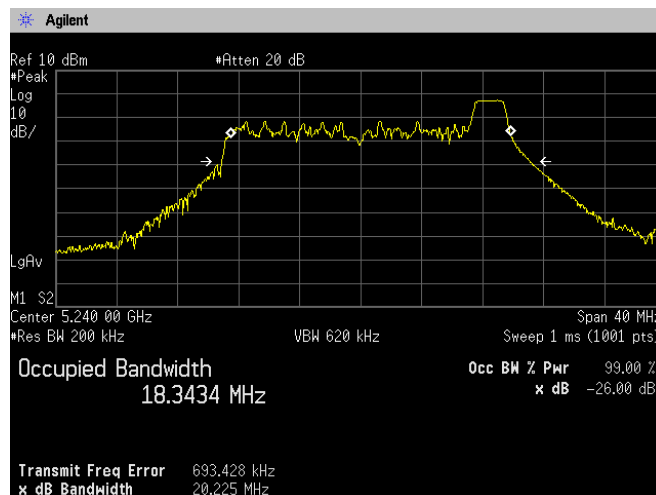
**[IEEE802.11ax_HE20_26-Tones]
 (5.2 GHz Band)
 Channel: 36[Chain 0]**



Channel: 40[Chain 0]

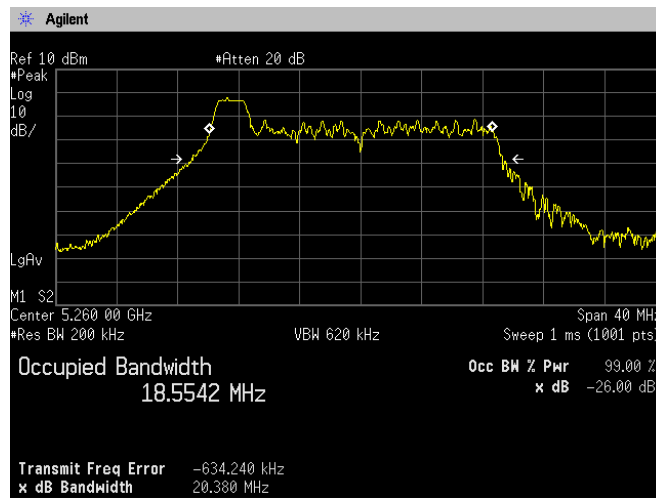


Channel: 48[Chain 0]

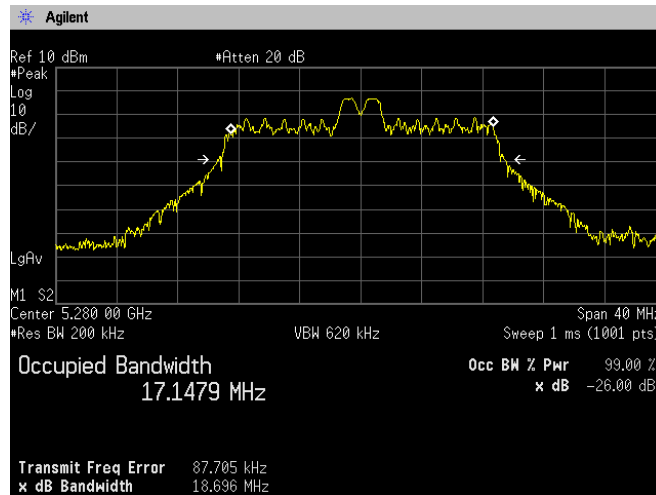




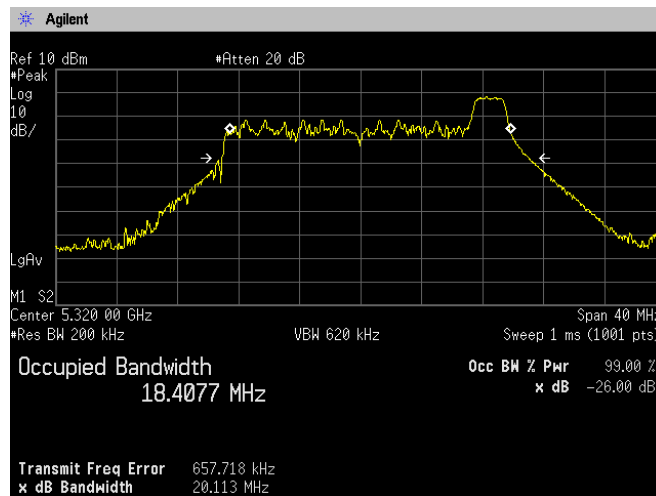
**(5.3 GHz Band)
Channel: 52[Chain 0]**



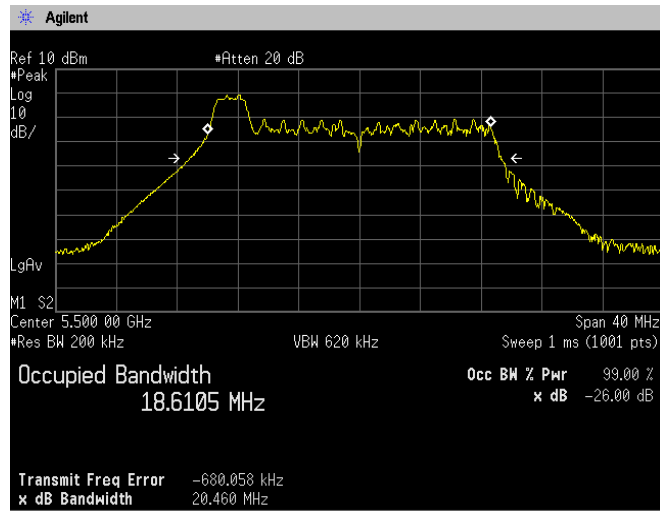
Channel: 56[Chain 0]



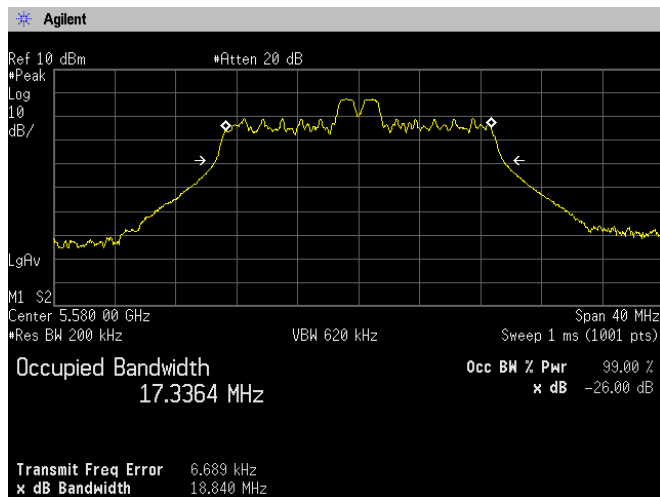
Channel: 64[Chain 0]



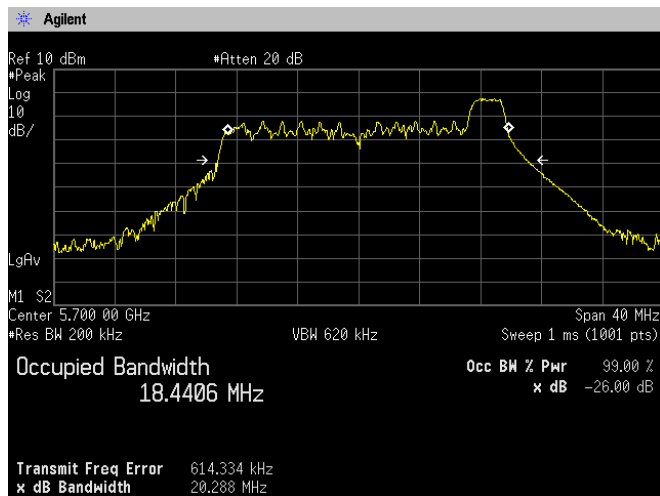
**(5.6 GHz Band)
Channel: 100[Chain 0]**



Channel: 116[Chain 0]



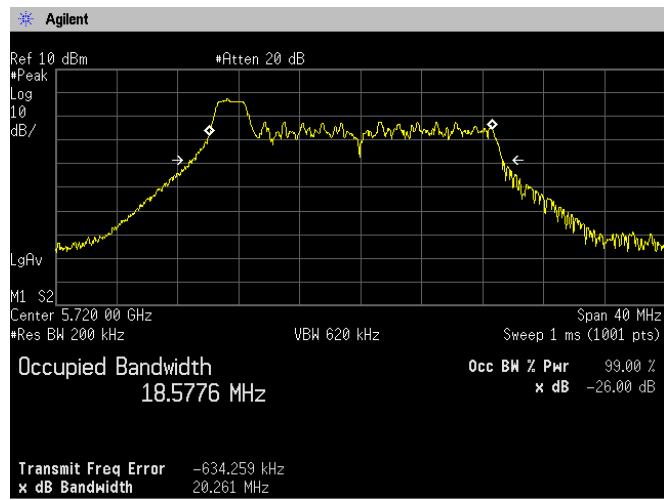
Channel: 140[Chain 0]



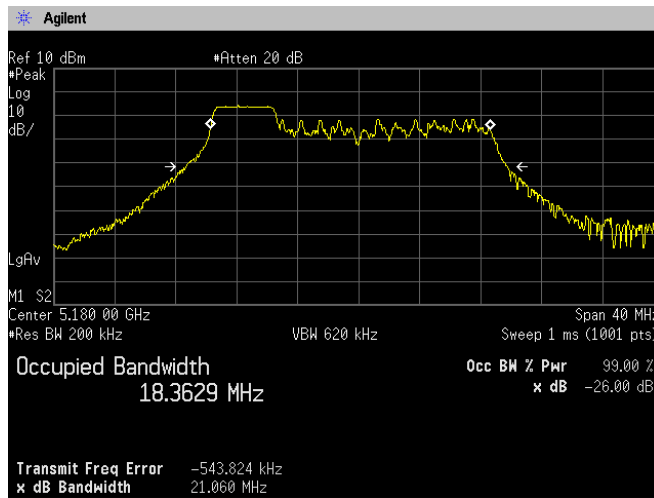


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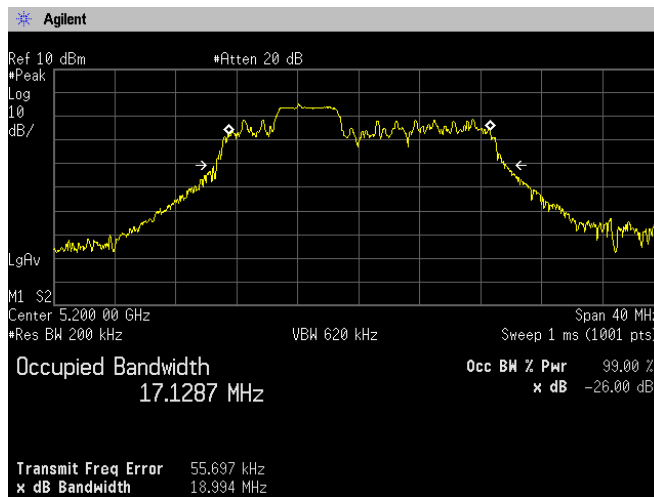
**(5.6 GHz Band)
Channel: 144[Chain 0]**



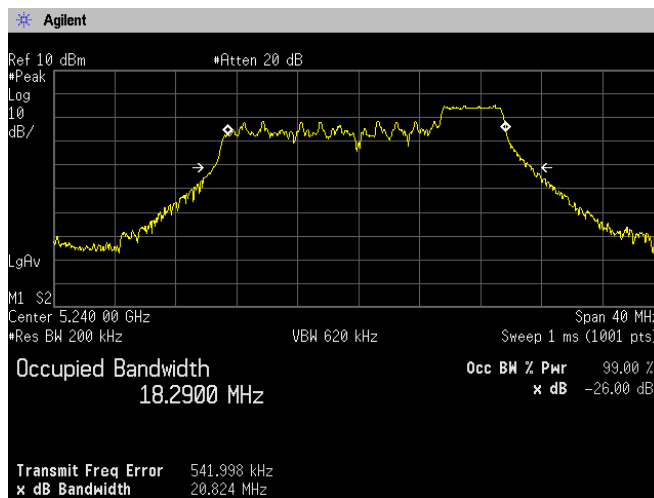
**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



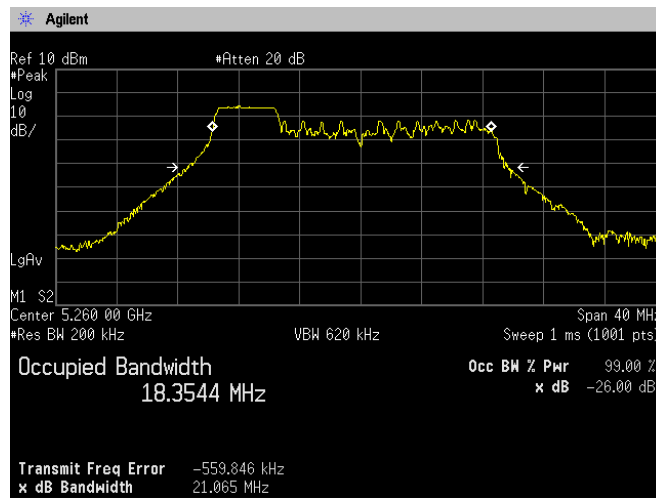
Channel: 40[Chain 0]



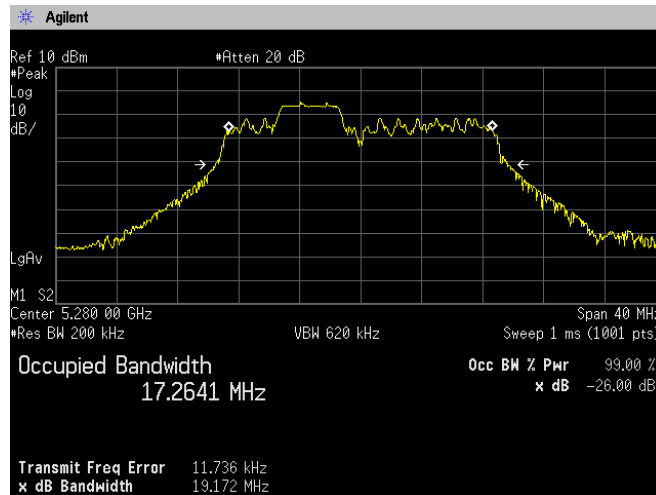
Channel: 48[Chain 0]



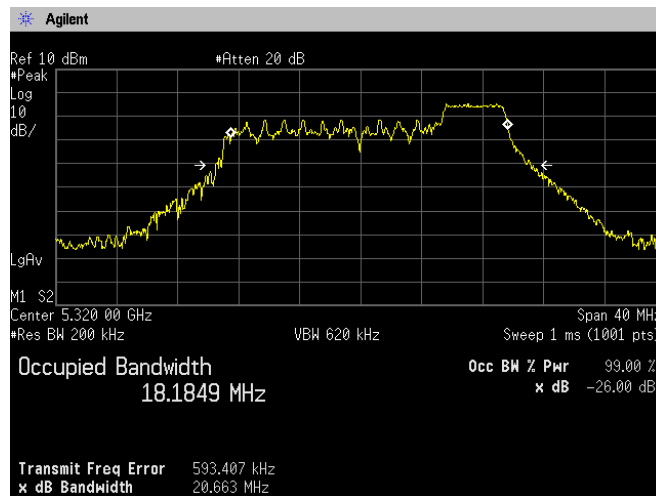
**(5.3 GHz Band)
Channel: 52[Chain 0]**



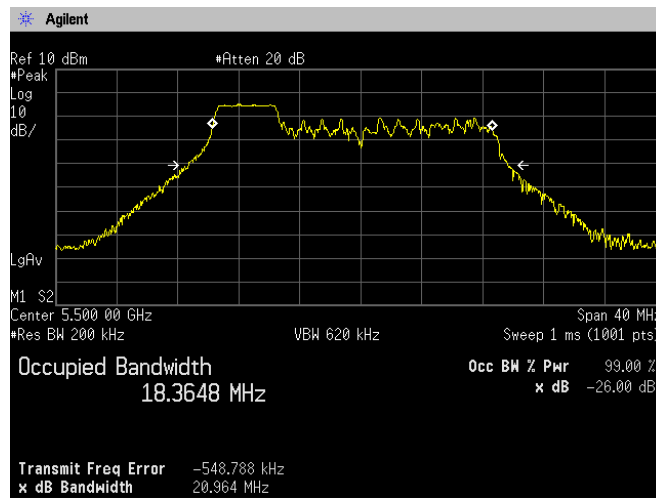
Channel: 56[Chain 0]



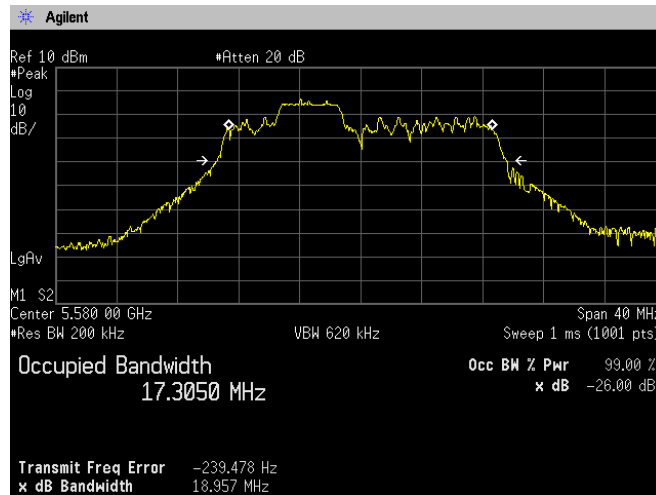
Channel: 64[Chain 0]



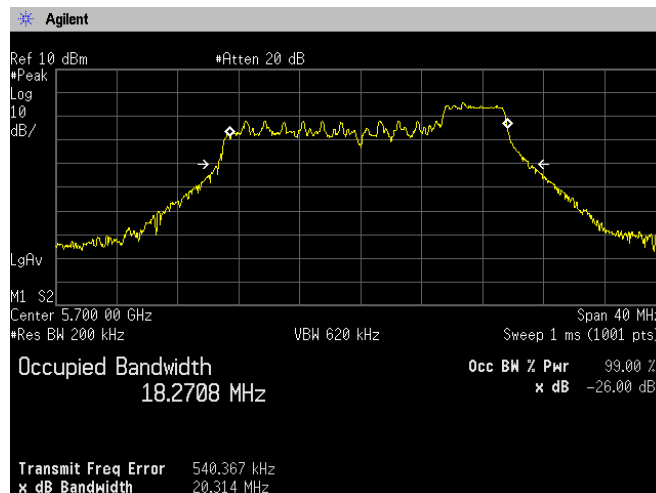
**(5.6 GHz Band)
Channel: 100[Chain 0]**



Channel: 116[Chain 0]



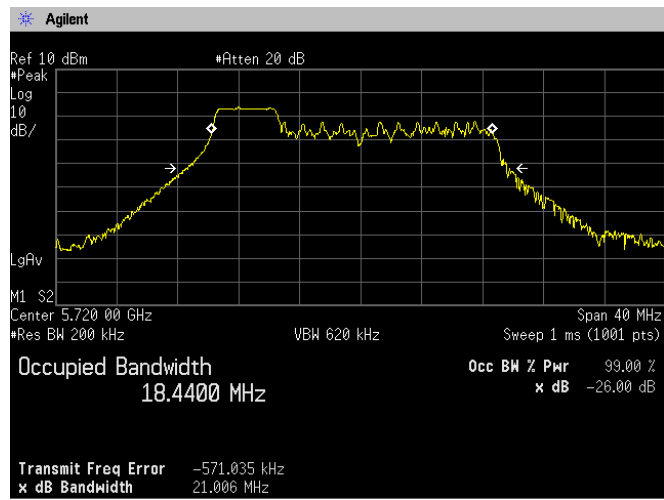
Channel: 140[Chain 0]



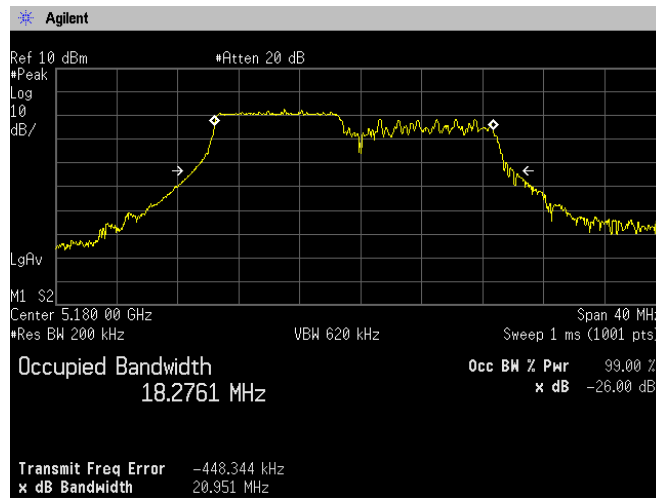


Japan

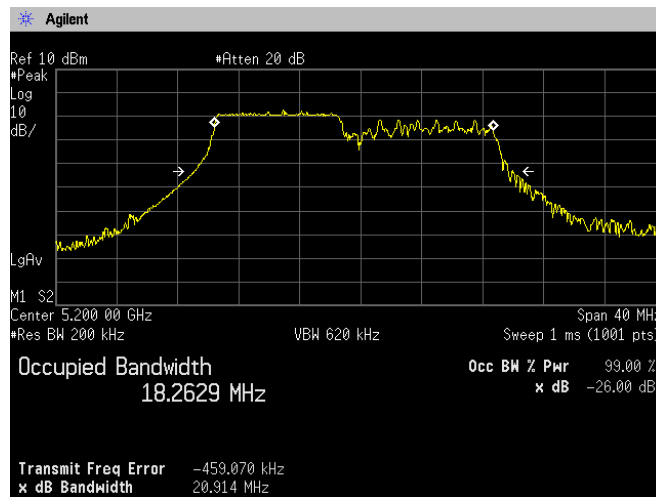
**(5.6 GHz Band)
Channel: 144[Chain 0]**



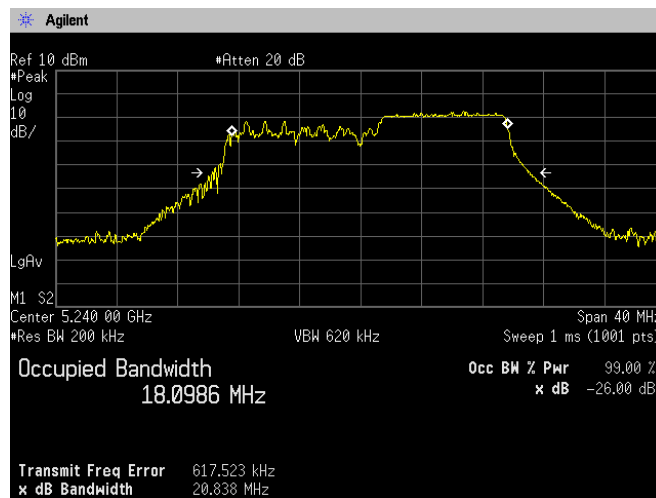
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



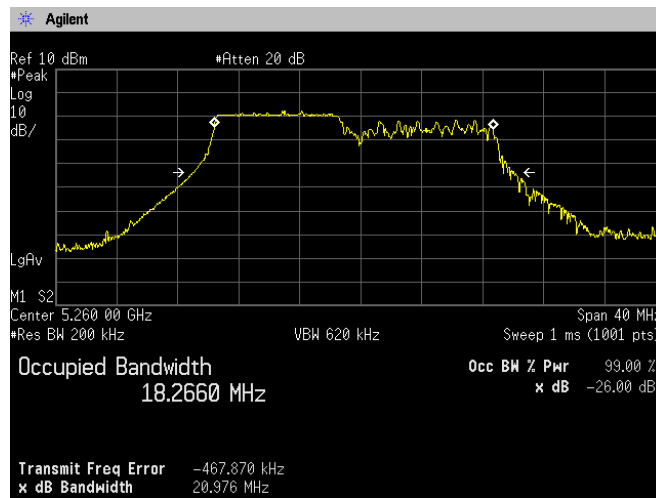
Channel: 40[Chain 0]



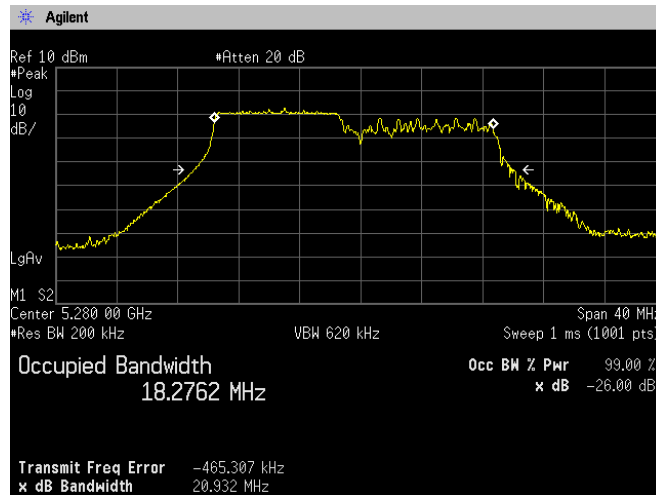
Channel: 48[Chain 0]



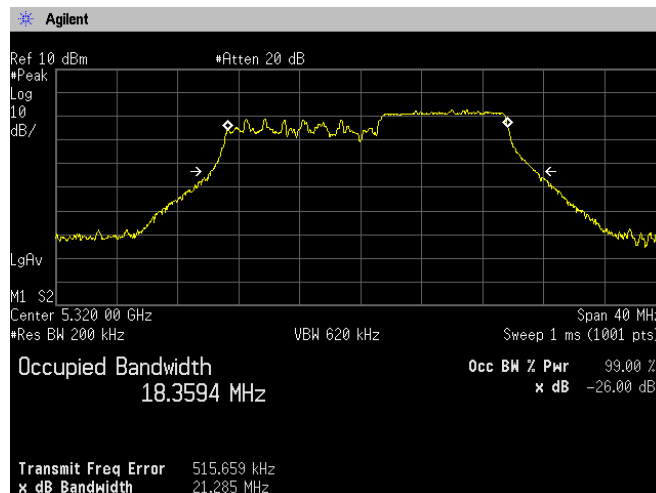
**(5.3 GHz Band)
Channel: 52[Chain 0]**



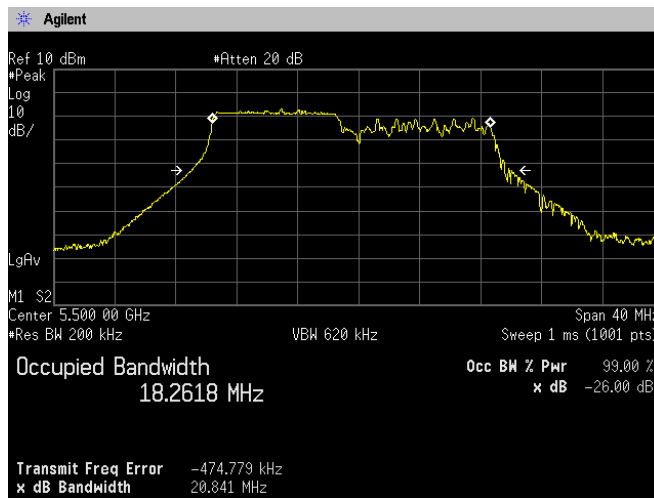
Channel: 56[Chain 0]



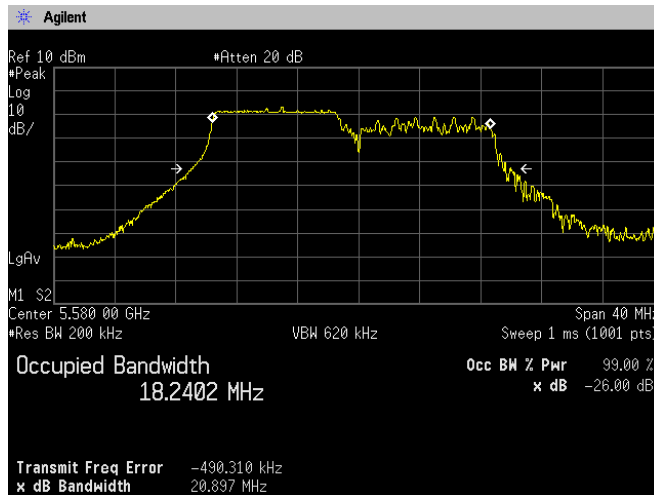
Channel: 64[Chain 0]



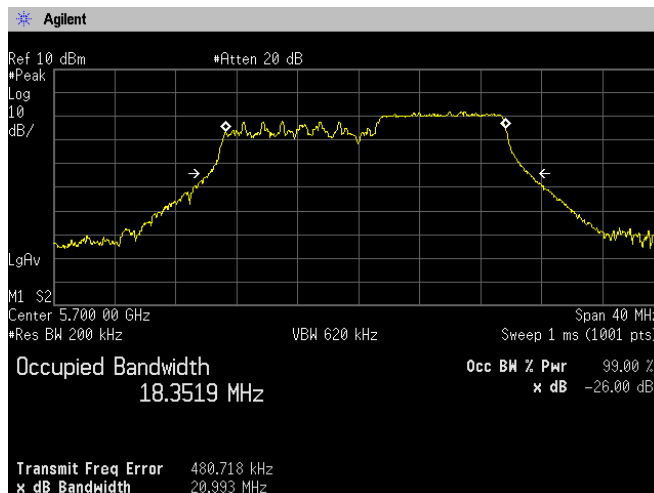
**(5.6 GHz Band)
Channel: 100[Chain 0]**



Channel: 116[Chain 0]



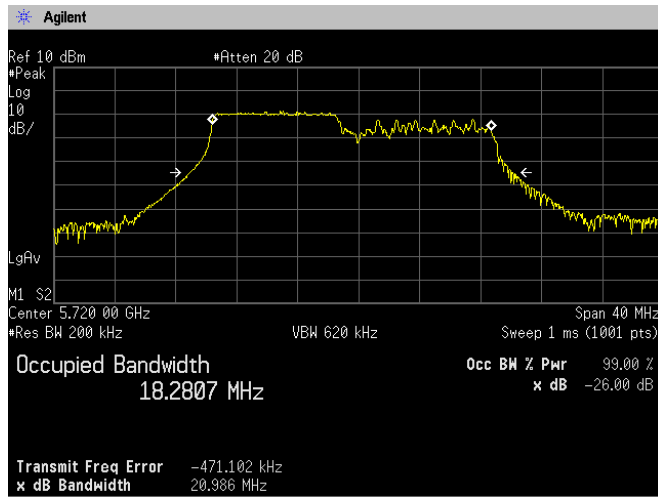
Channel: 140[Chain 0]



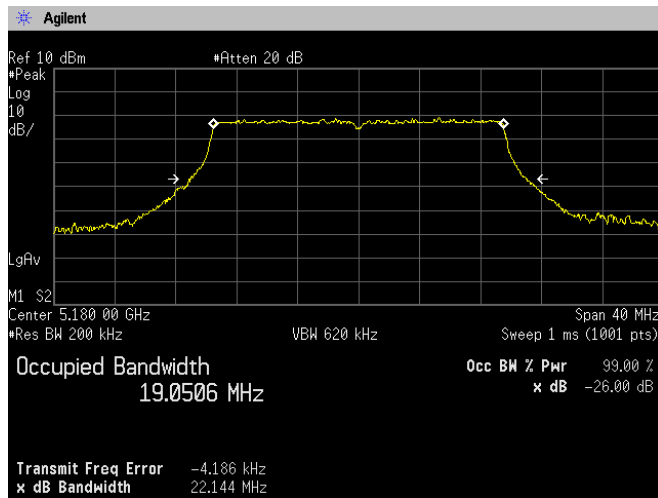


Japan

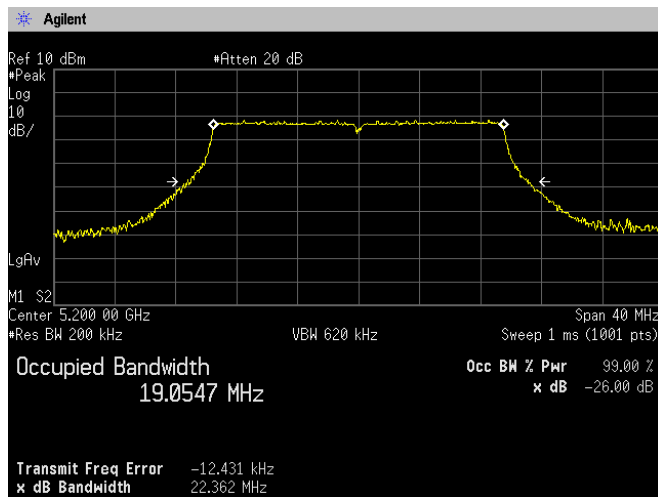
**(5.6 GHz Band)
Channel: 144[Chain 0]**



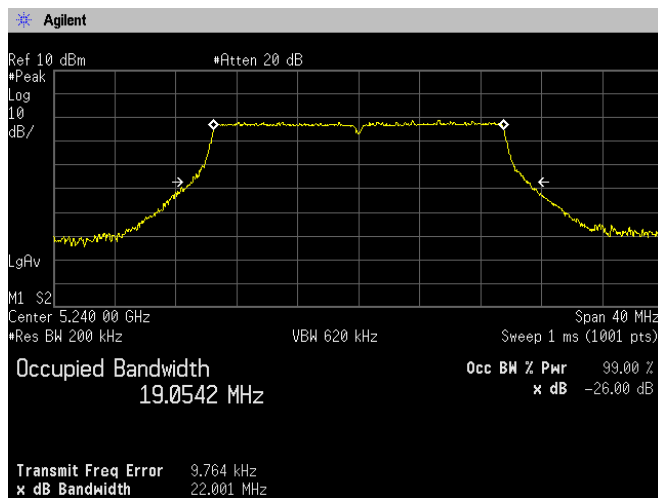
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



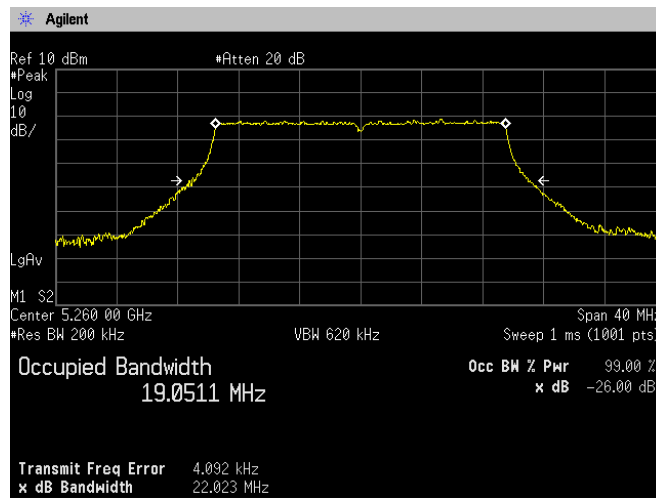
Channel: 40[Chain 0]



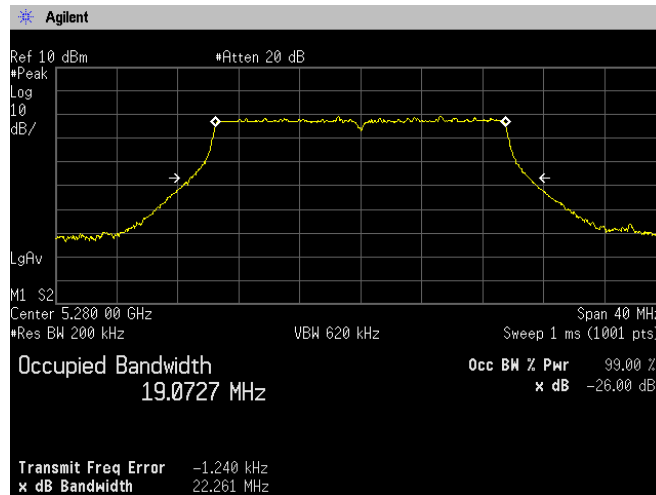
Channel: 48[Chain 0]



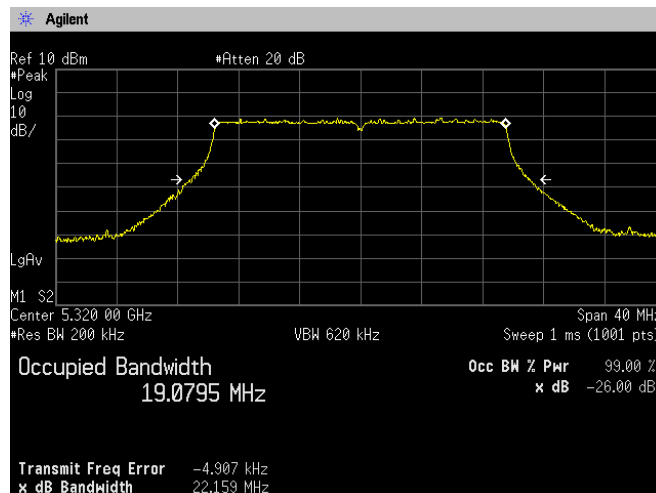
**(5.3 GHz Band)
Channel: 52[Chain 0]**



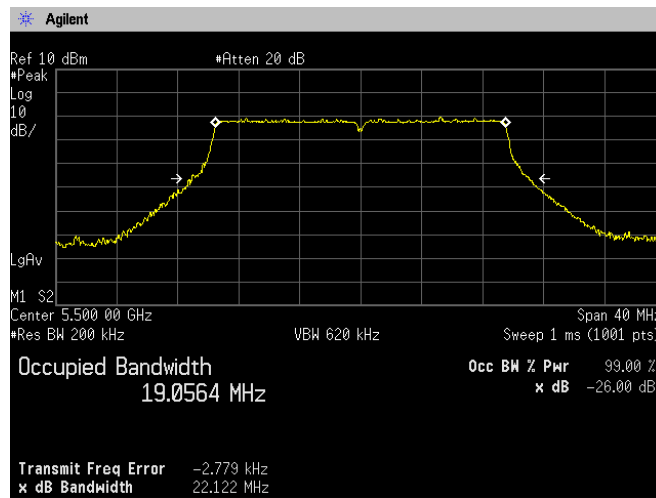
Channel: 56[Chain 0]



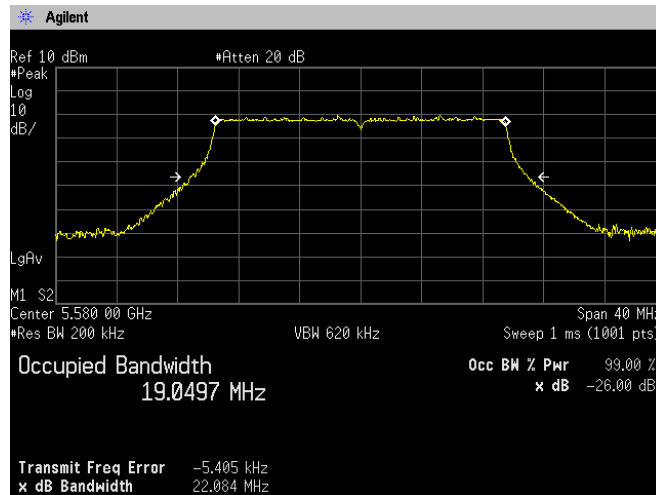
Channel: 64[Chain 0]



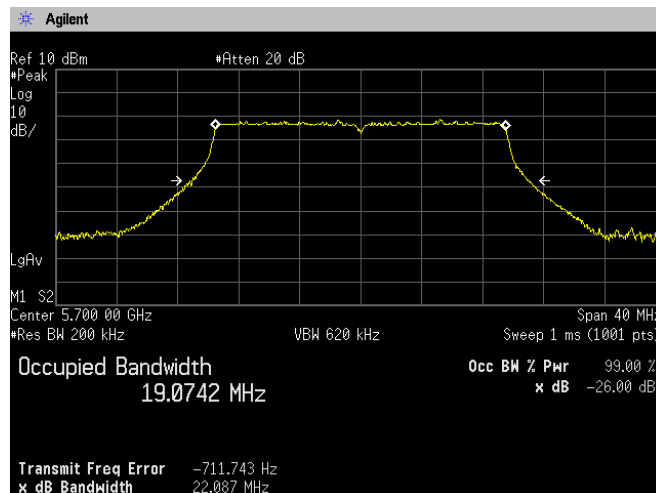
**(5.6 GHz Band)
Channel: 100[Chain 0]**



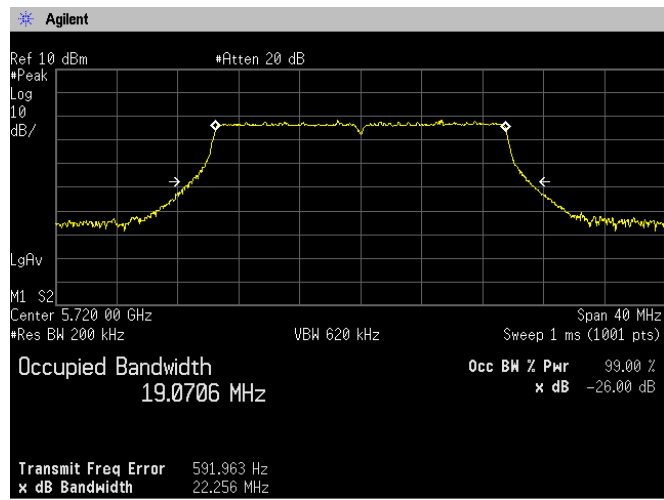
Channel: 116[Chain 0]



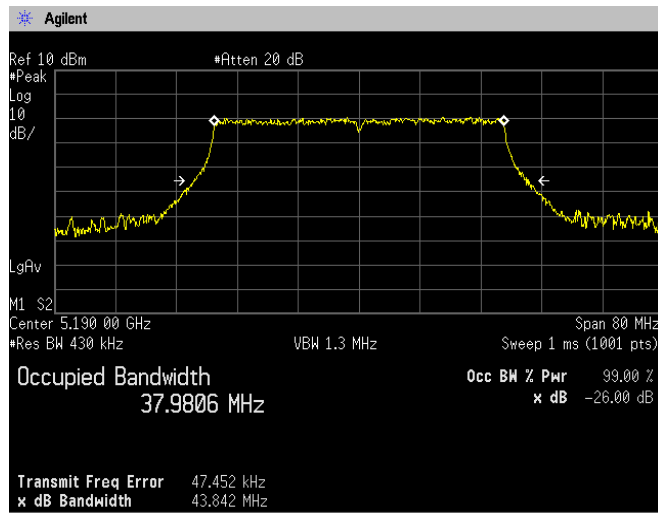
Channel: 140[Chain 0]



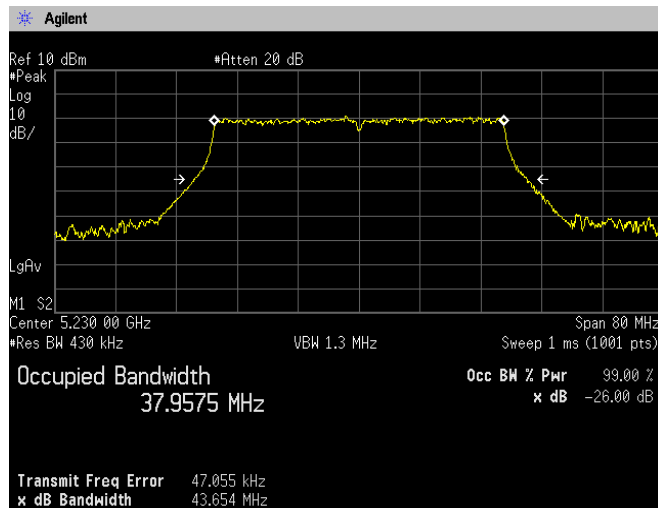
**(5.6 GHz Band)
Channel: 144[Chain 0]**



**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 0]**

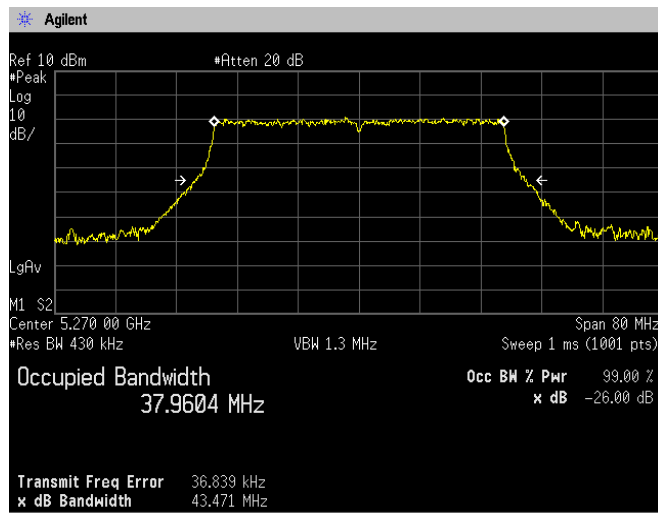


Channel: 46[Chain 0]

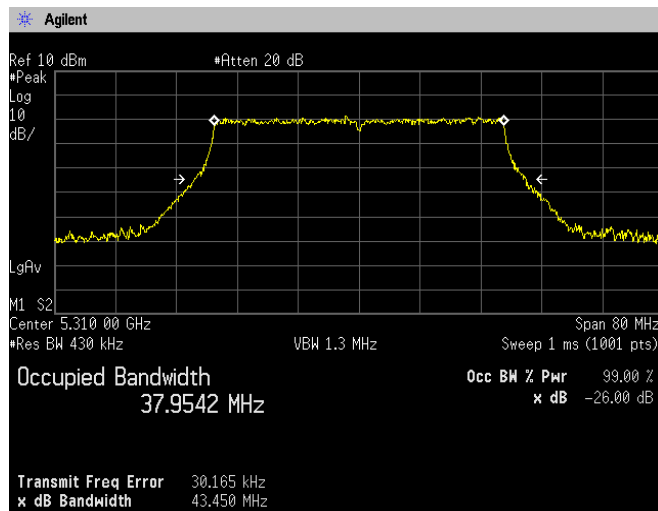




**(5.3 GHz Band)
Channel: 54[Chain 0]**

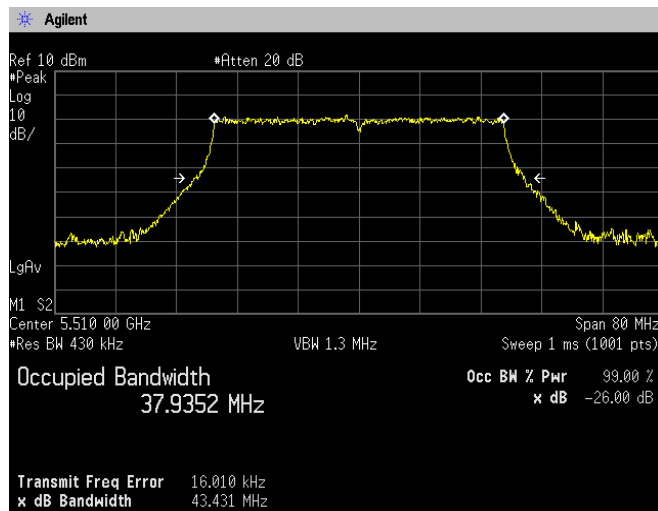


Channel: 62[Chain 0]

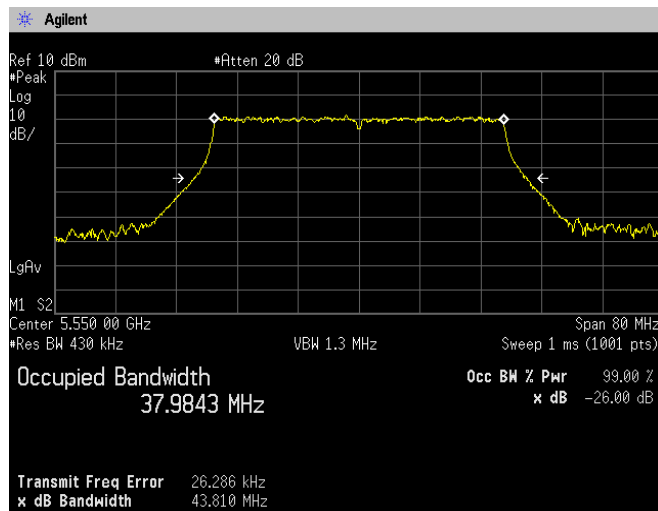




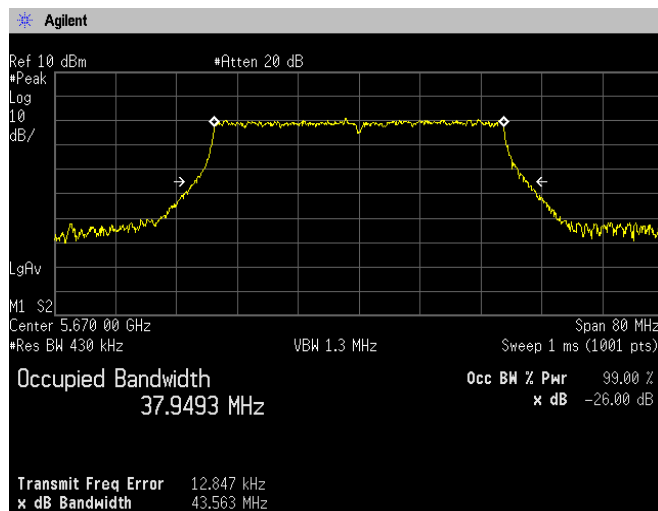
**(5.6 GHz Band)
Channel: 102[Chain 0]**



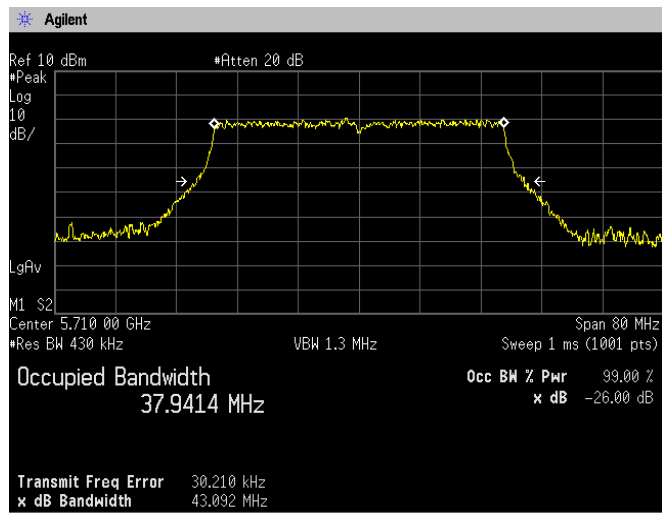
Channel: 110[Chain 0]



Channel: 134[Chain 0]

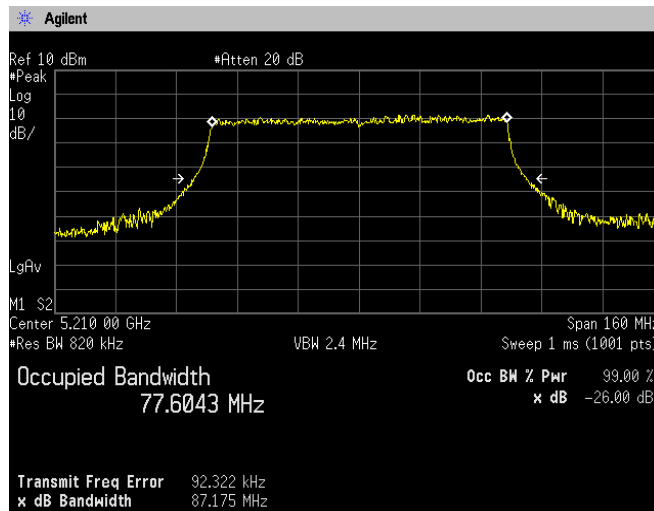


**(5.6 GHz Band)
Channel: 142[Chain 0]**

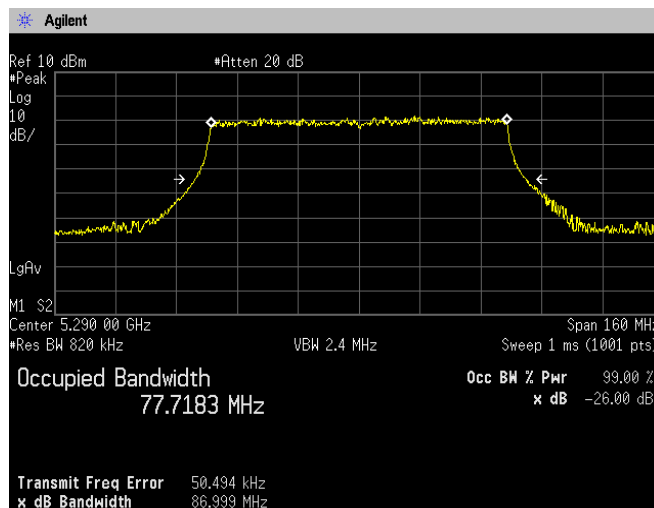




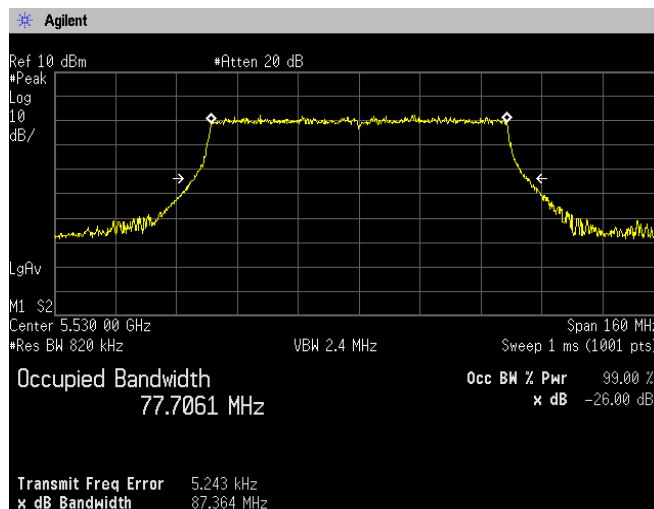
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 0]**



**(5.3GHz Band)
Channel: 58[Chain 0]**

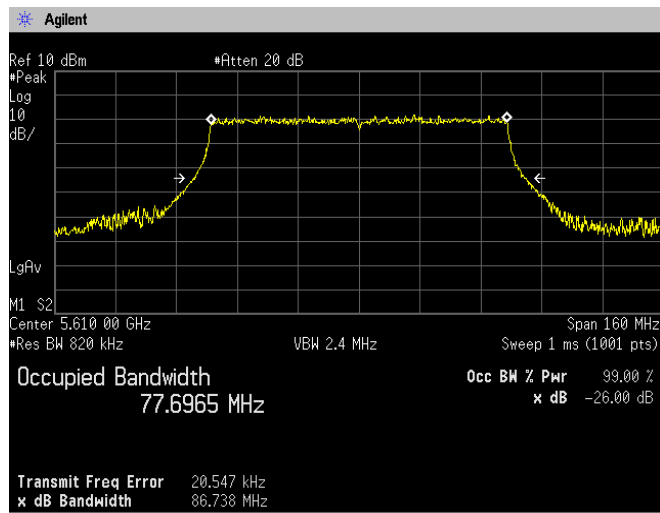


**(5.6 GHz Band)
Channel: 106[Chain 0]**

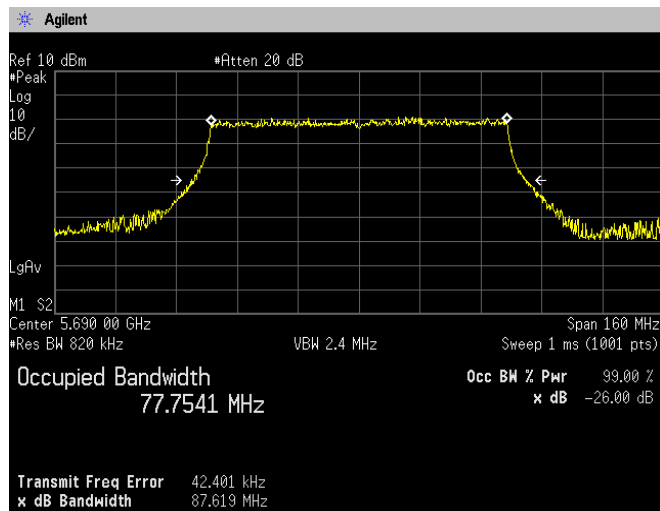




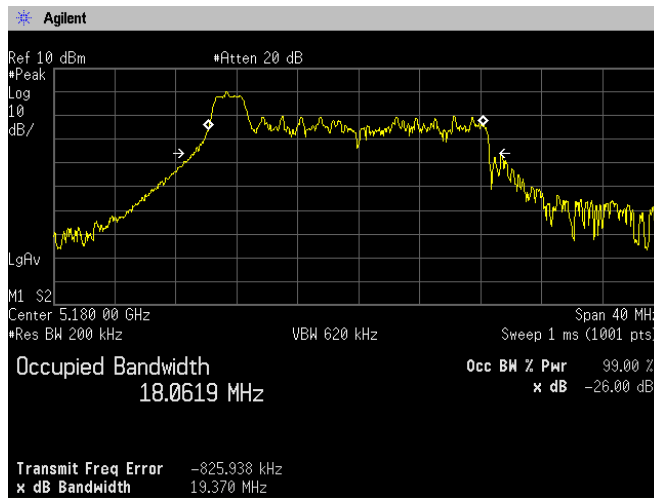
**(5.6 GHz Band)
Channel: 122[Chain 0]**



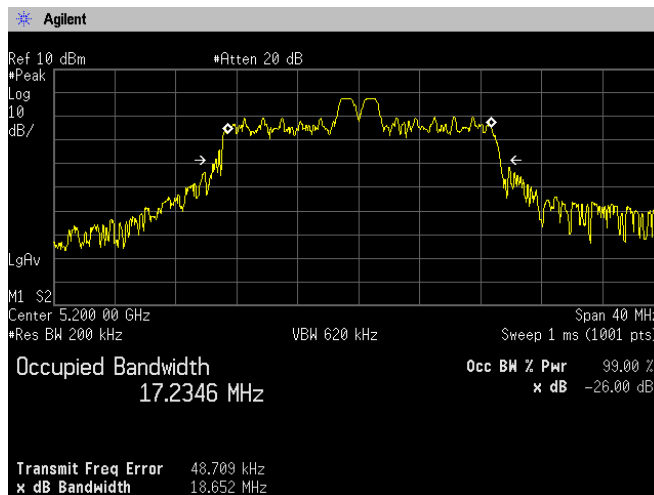
Channel: 138[Chain 0]



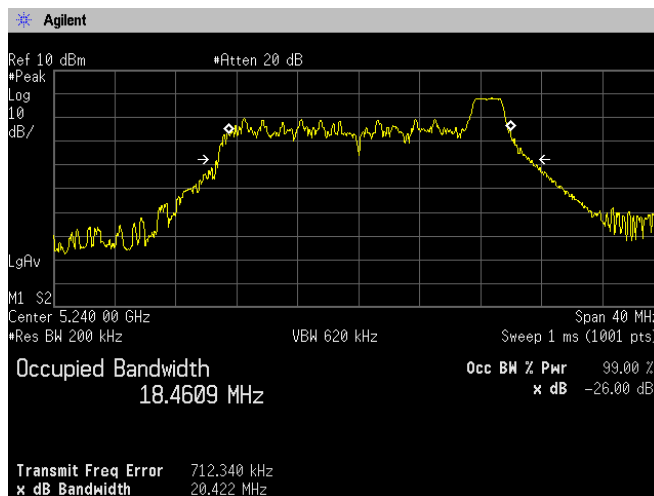
**[IEEE802.11ax_HE20_26-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



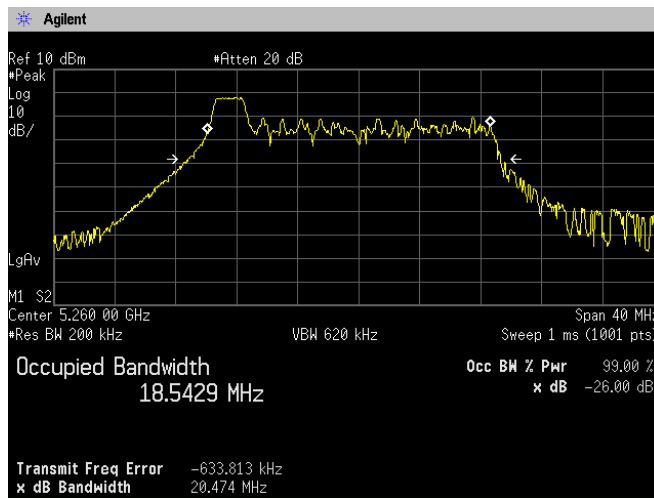
Channel: 40[Chain 1]



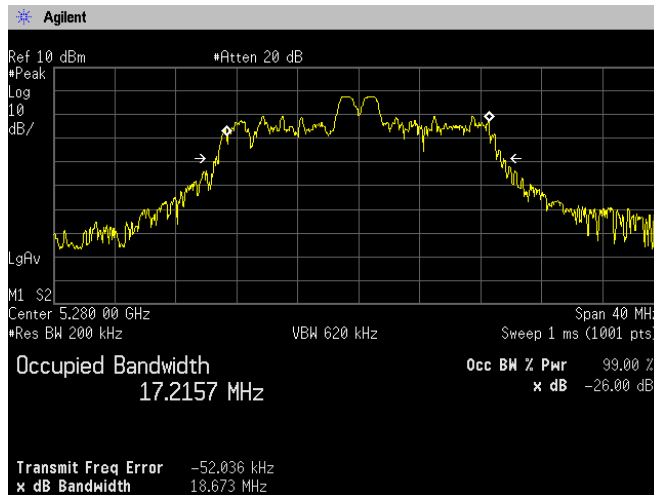
Channel: 48[Chain 1]



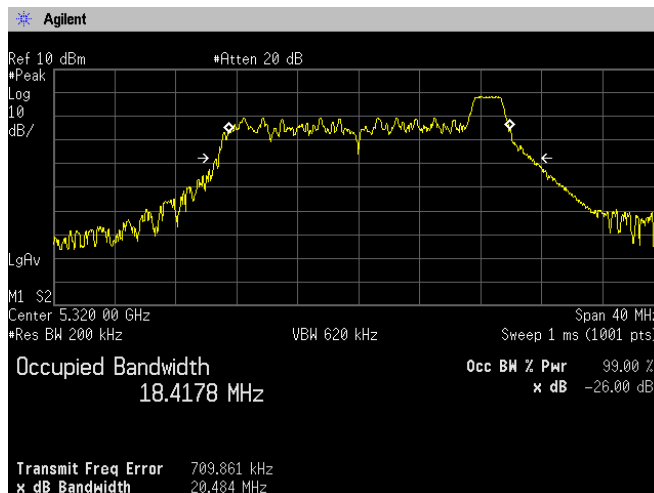
**(5.3 GHz Band)
Channel: 52[Chain 1]**



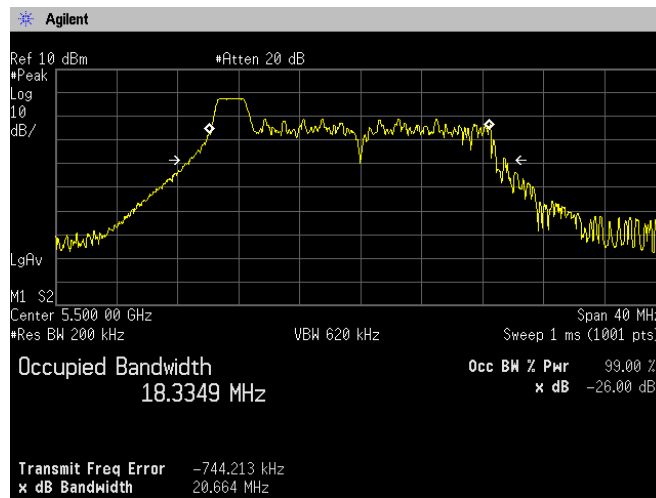
Channel: 56[Chain 1]



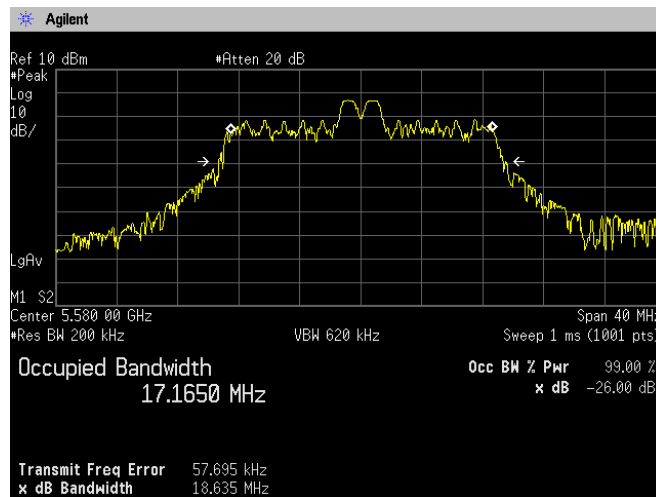
Channel: 64[Chain 1]



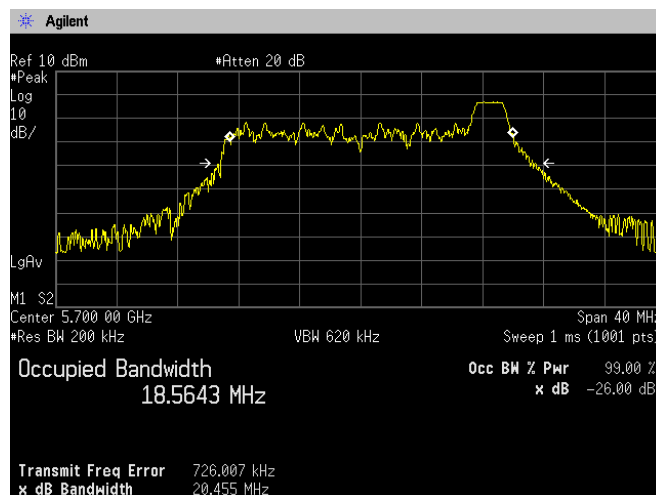
**(5.6 GHz Band)
Channel: 100[Chain 1]**



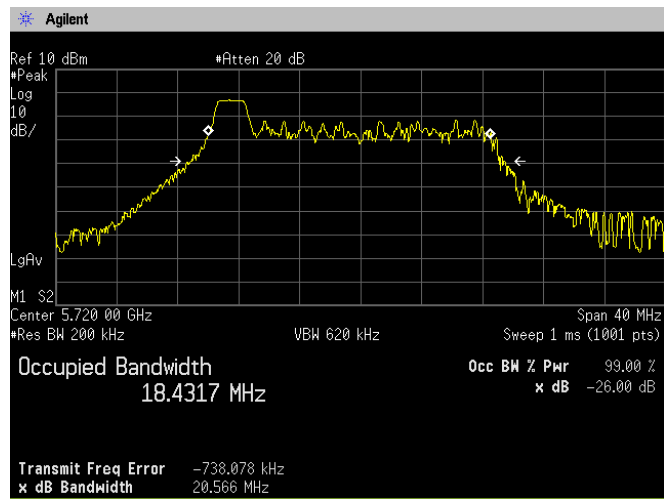
Channel: 116[Chain 1]



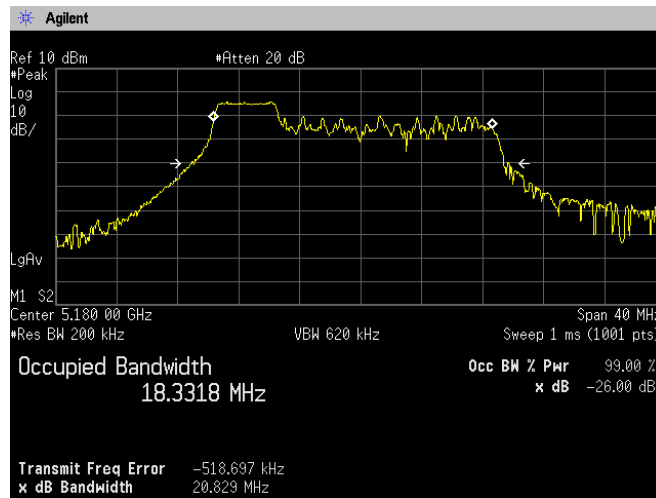
Channel: 140[Chain 1]



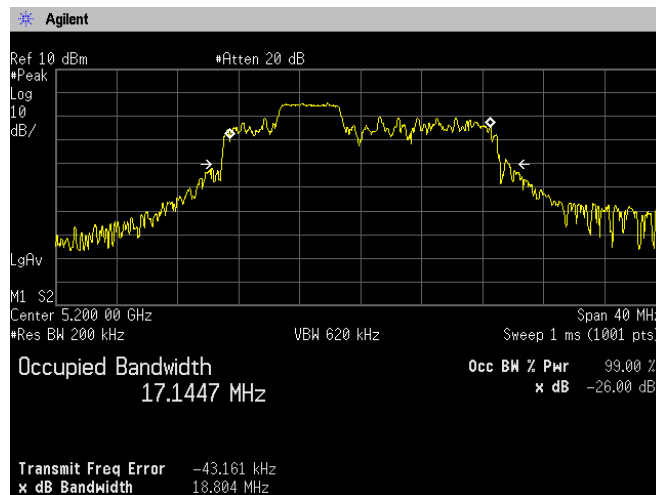
**(5.6 GHz Band)
Channel: 144[Chain 1]**



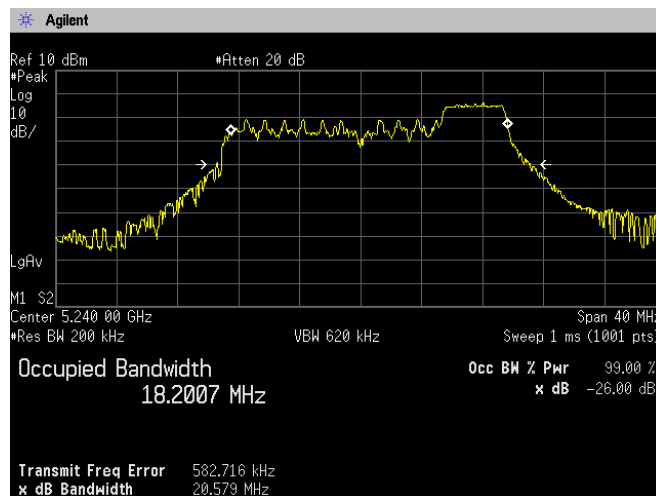
**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



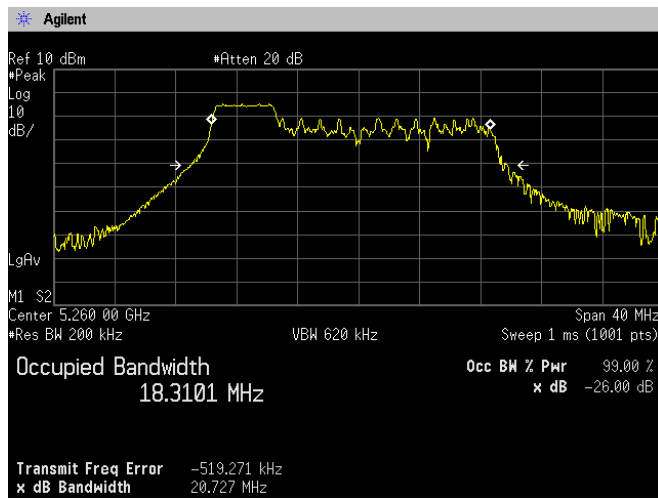
Channel: 40[Chain 1]



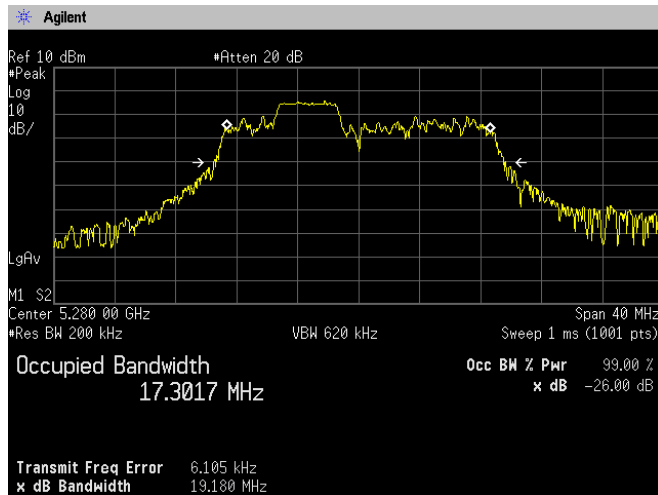
Channel: 48[Chain 1]



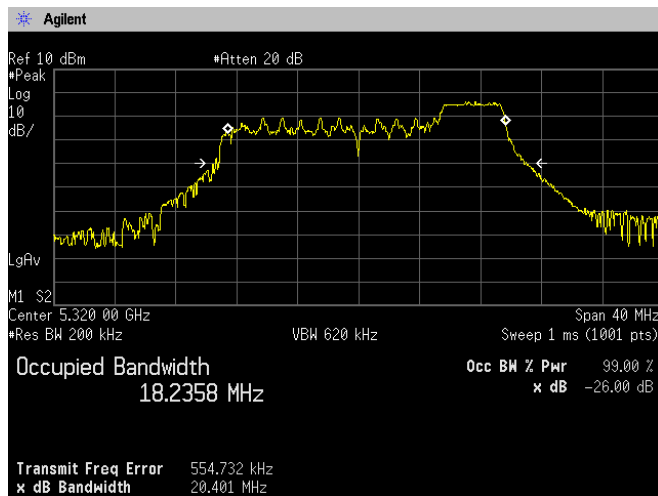
**(5.3 GHz Band)
Channel: 52[Chain 1]**



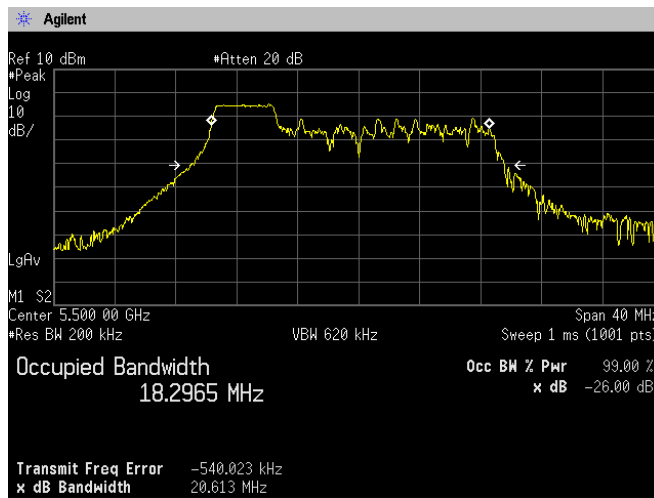
Channel: 56[Chain 1]



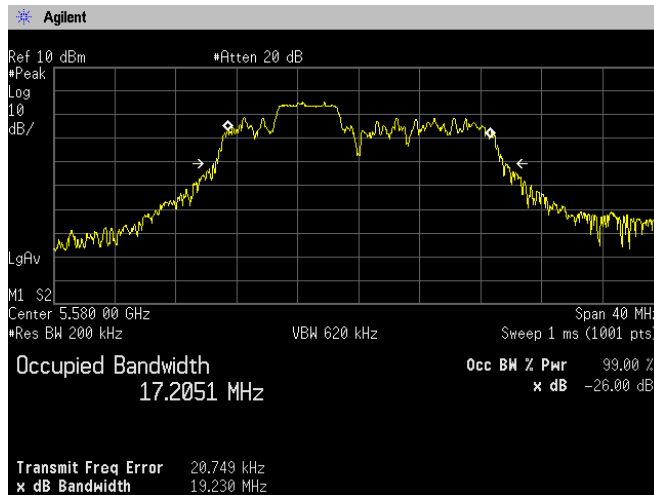
Channel: 64[Chain 1]



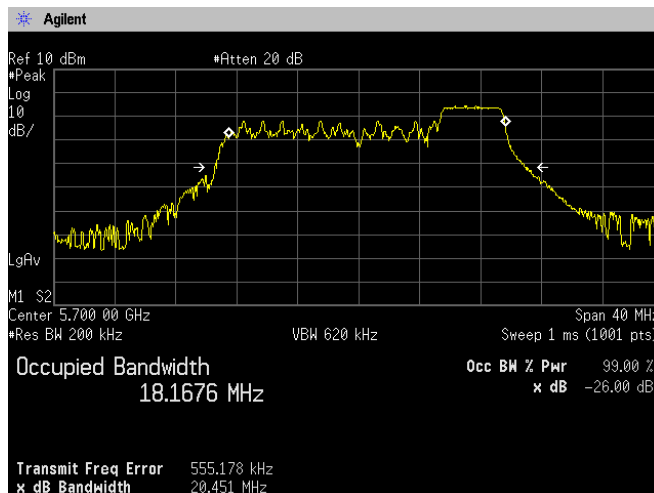
**(5.6 GHz Band)
Channel: 100[Chain 1]**



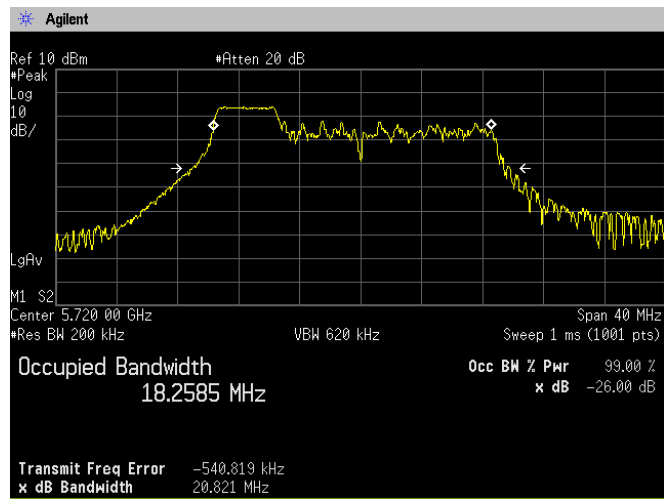
Channel: 116[Chain 1]



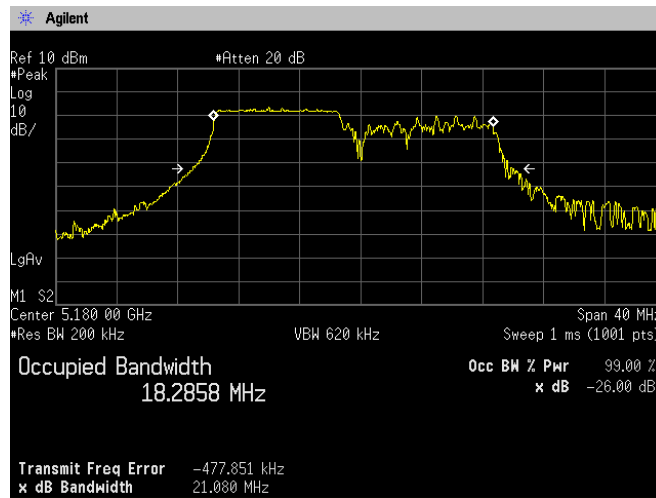
Channel: 140[Chain 1]



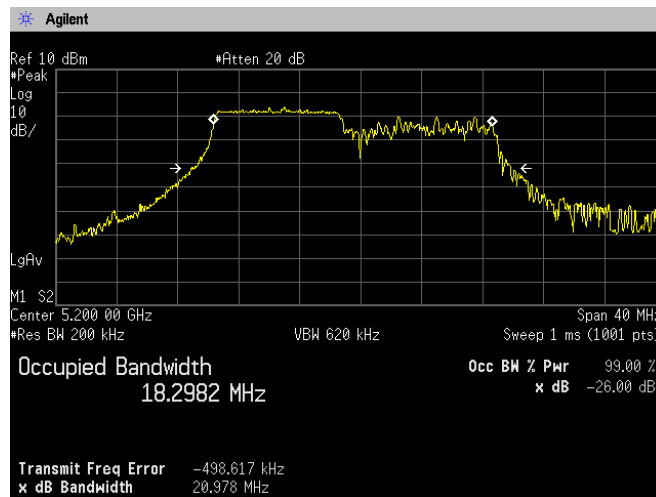
**(5.6 GHz Band)
Channel: 144[Chain 1]**



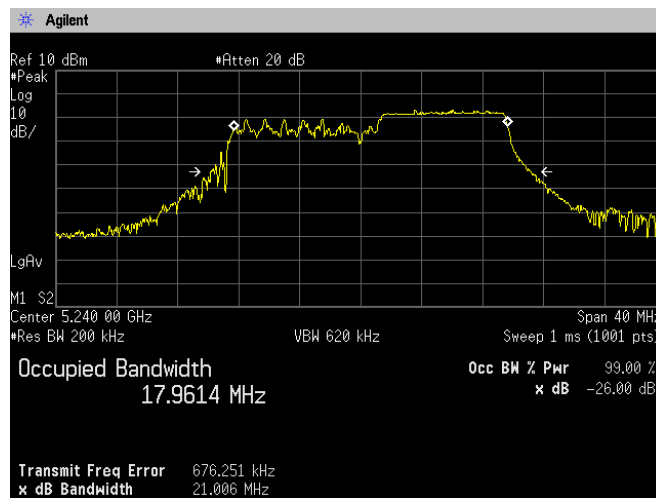
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



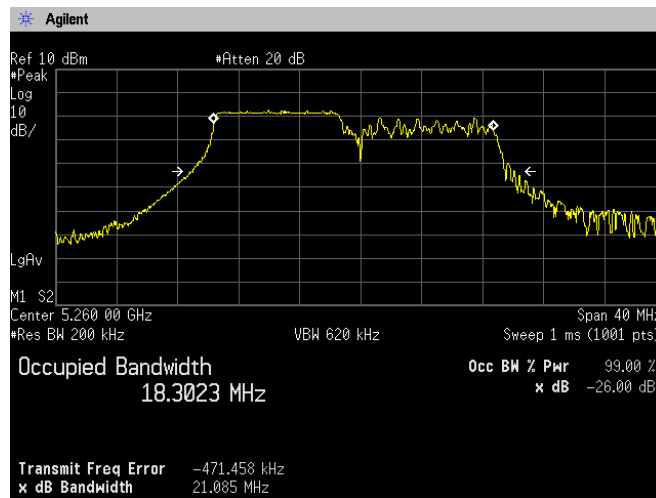
Channel: 40[Chain 1]



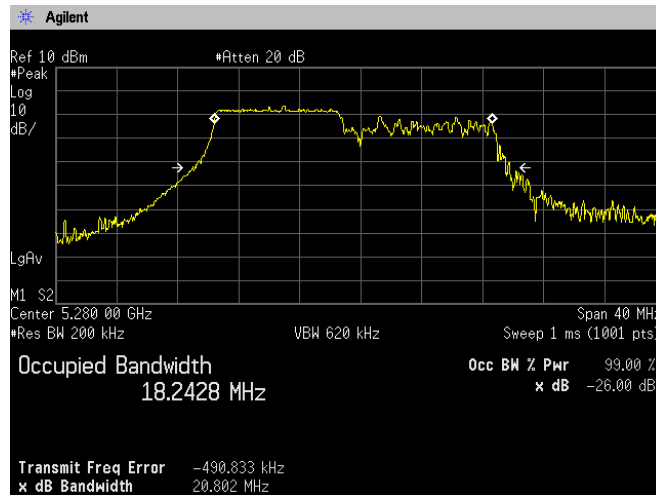
Channel: 48[Chain 1]



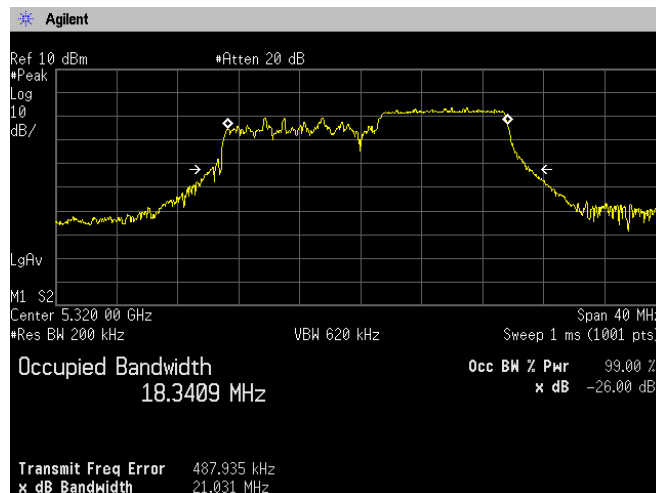
**(5.3 GHz Band)
Channel: 52[Chain 1]**



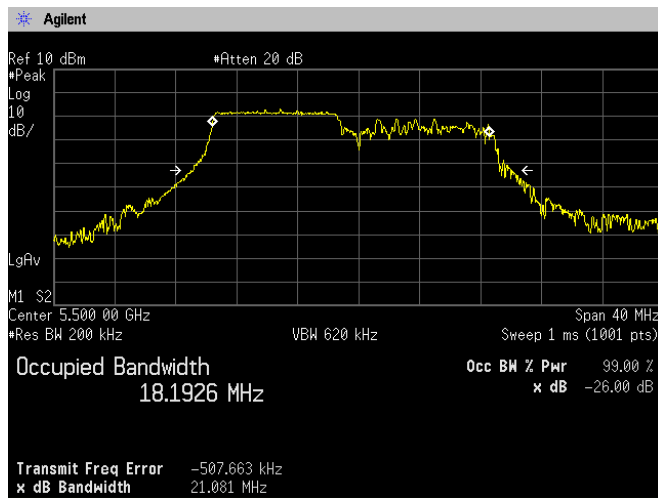
Channel: 56[Chain 1]



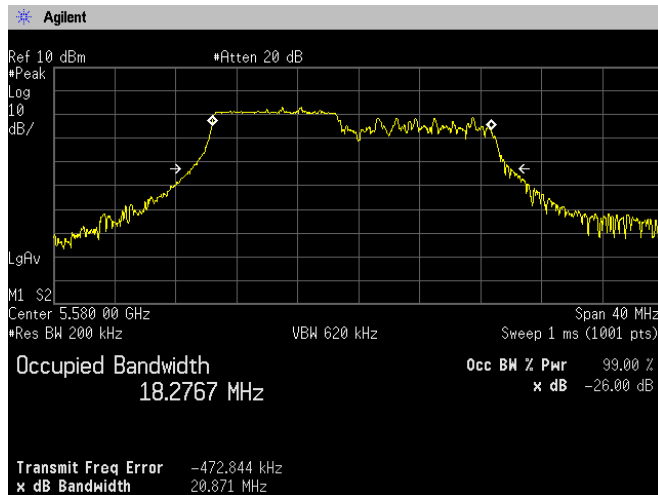
Channel: 64[Chain 1]



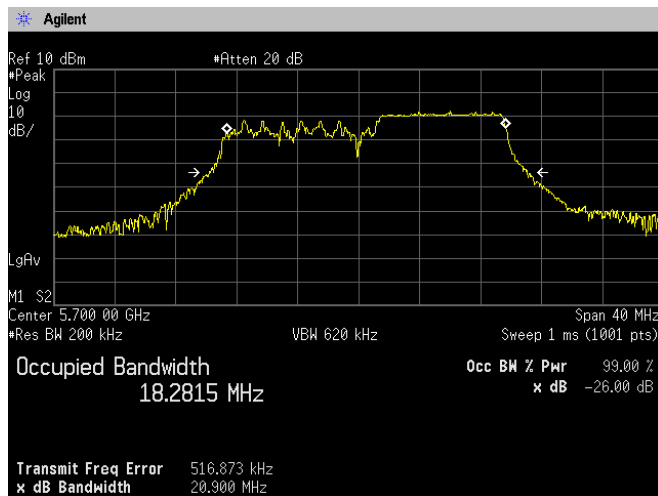
**(5.6 GHz Band)
Channel: 100[Chain 1]**



Channel: 116[Chain 1]



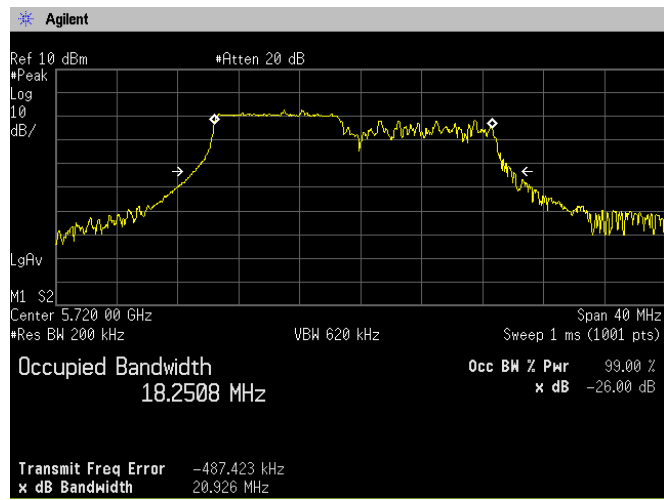
Channel: 140[Chain 1]





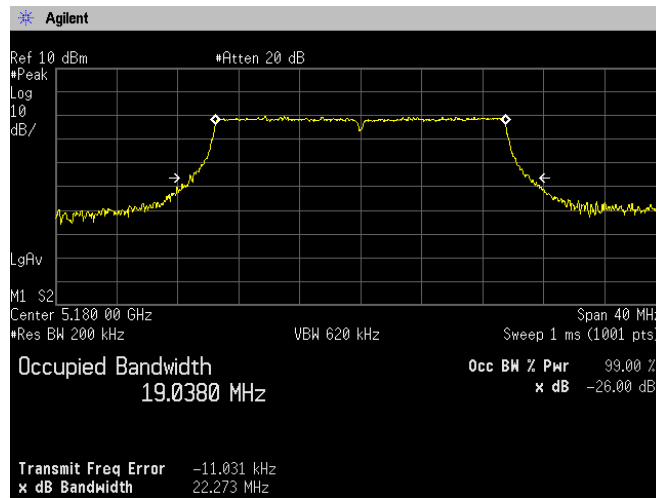
Japan

**(5.6 GHz Band)
Channel: 144[Chain 1]**

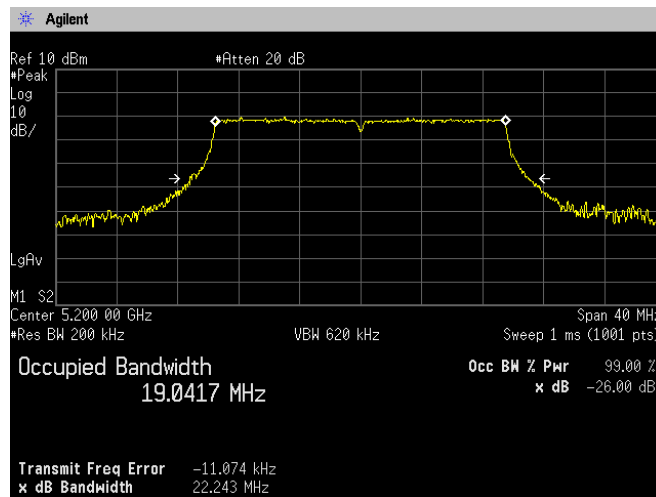




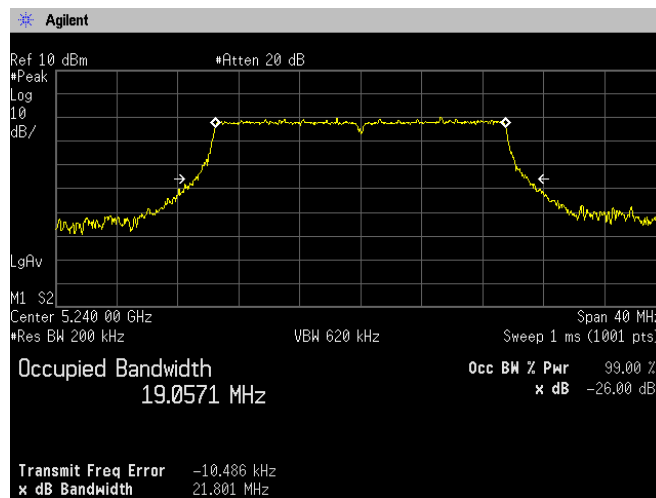
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



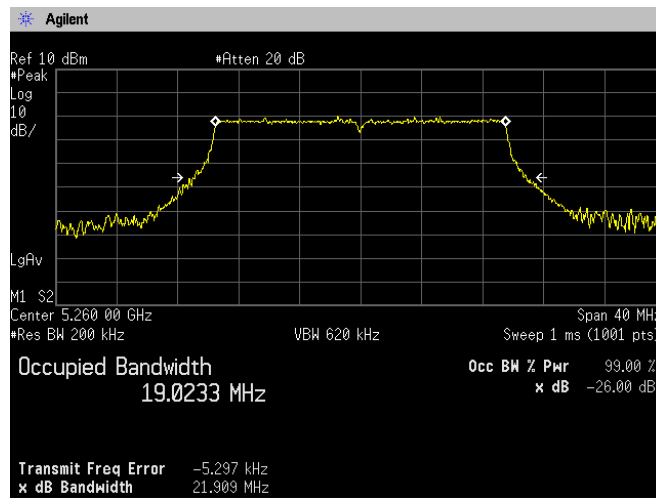
Channel: 40[Chain 1]



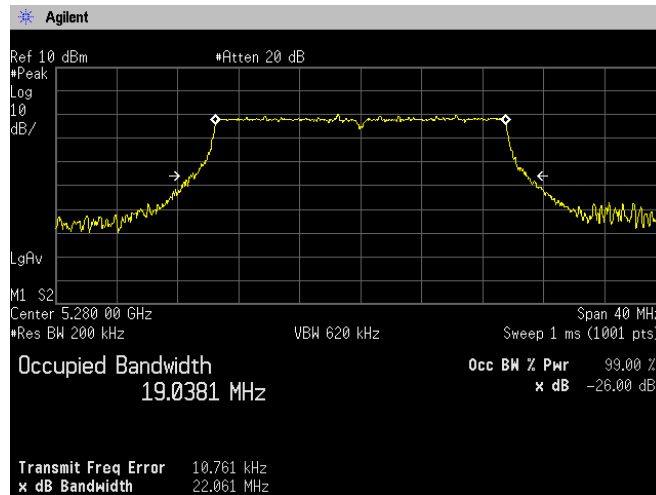
Channel: 48[Chain 1]



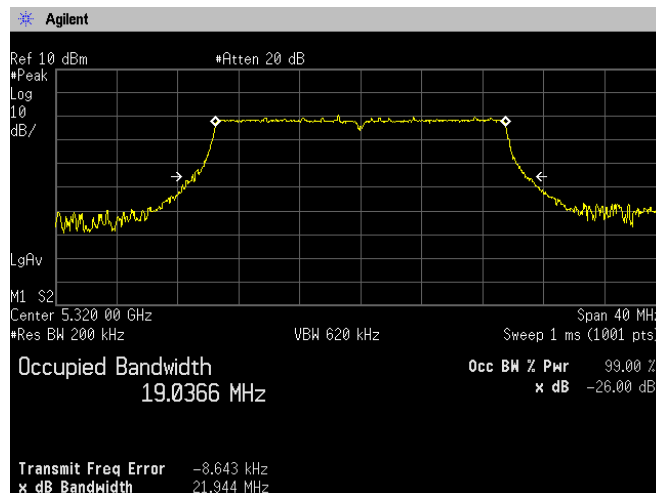
**(5.3 GHz Band)
Channel: 52[Chain 1]**



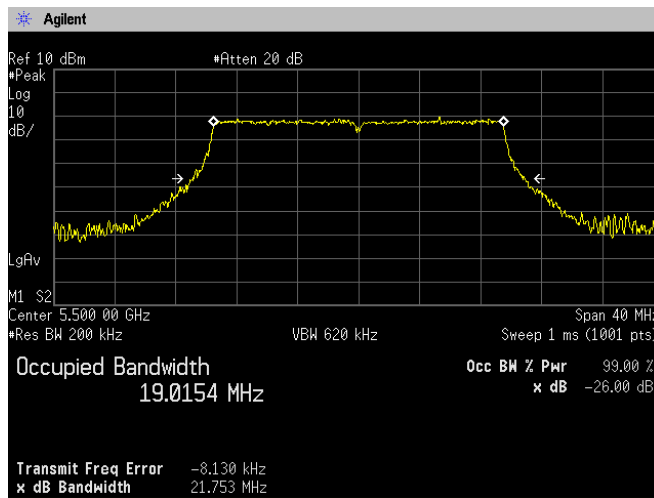
Channel: 56[Chain 1]



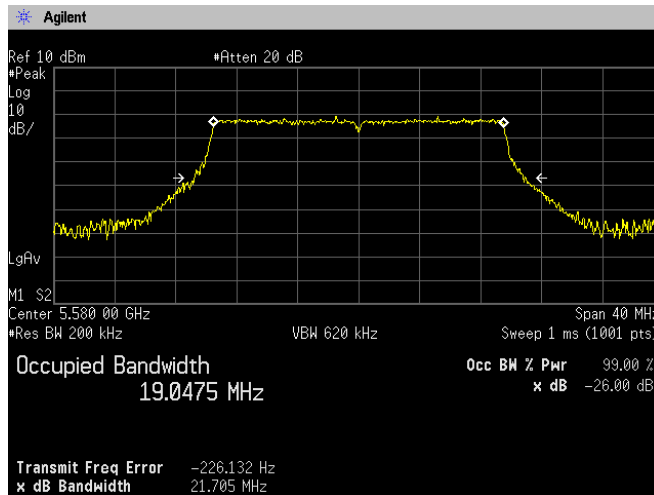
Channel: 64[Chain 1]



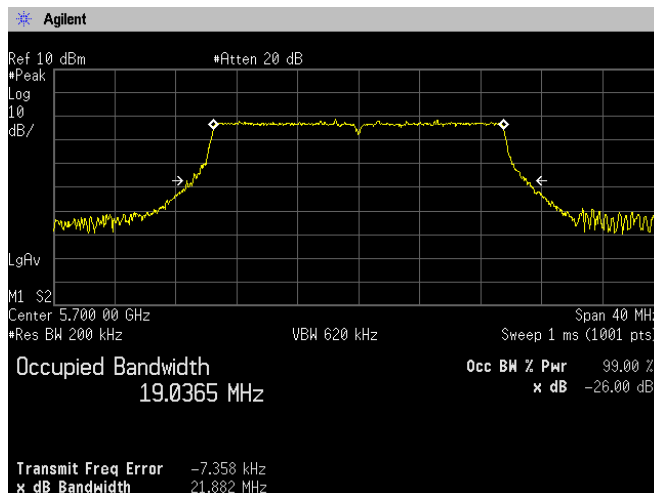
**(5.6 GHz Band)
Channel: 100[Chain 1]**



Channel: 116[Chain 1]



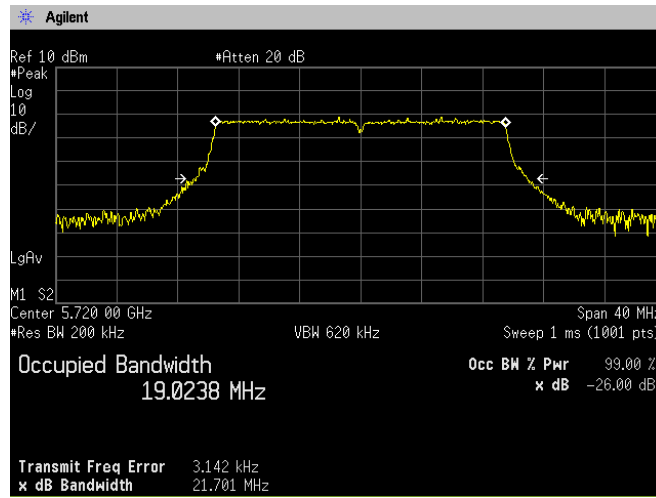
Channel: 140[Chain 1]





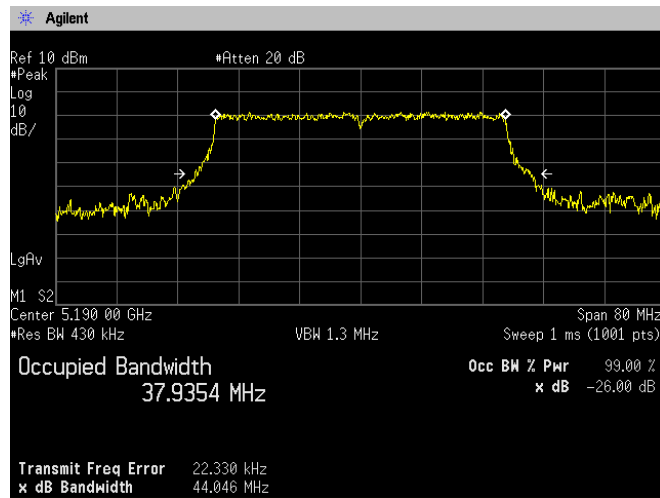
Japan

**(5.6 GHz Band)
Channel: 144[Chain 1]**

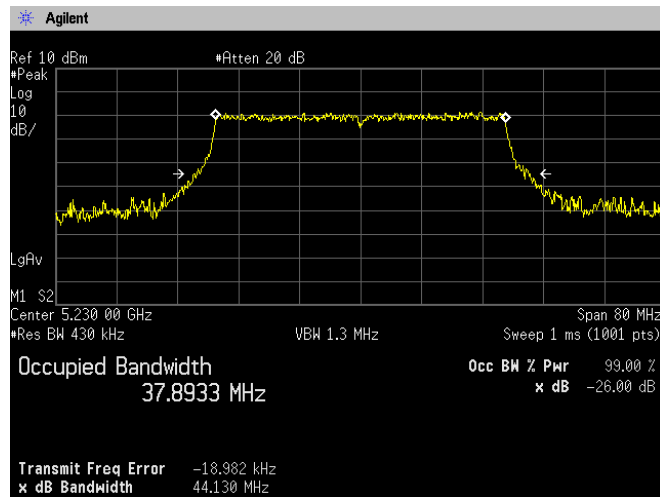




**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 1]**

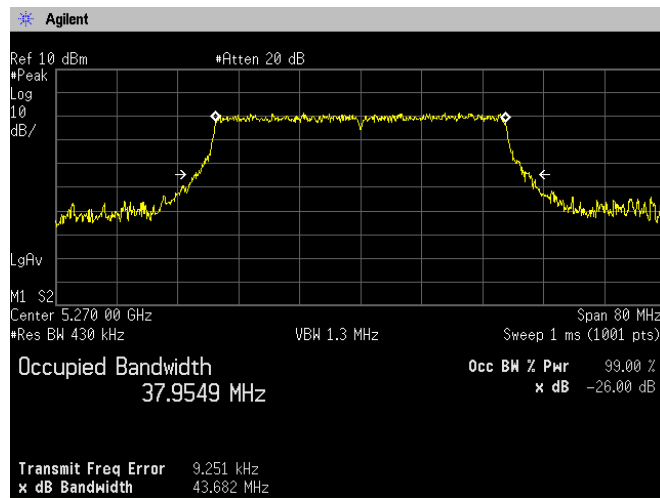


Channel: 46[Chain 1]

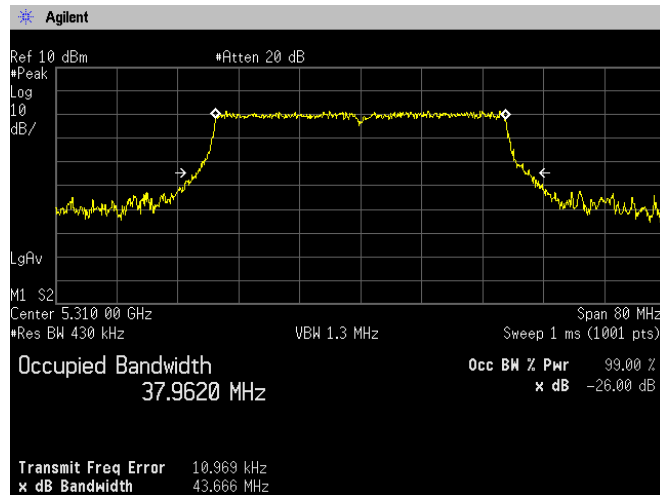




**(5.3 GHz Band)
Channel: 54[Chain 1]**

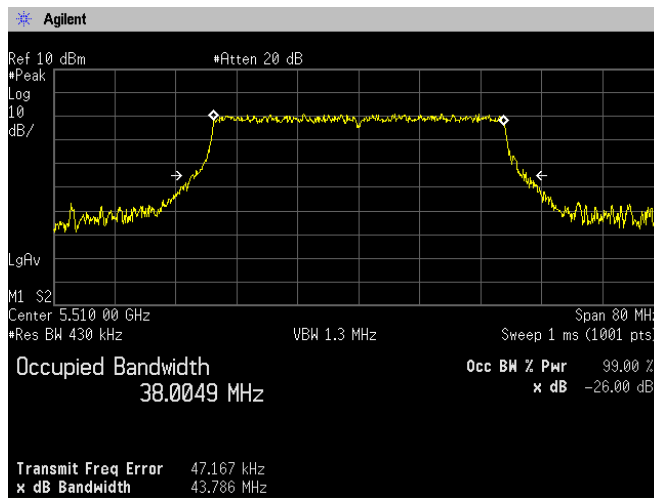


Channel: 62[Chain 1]

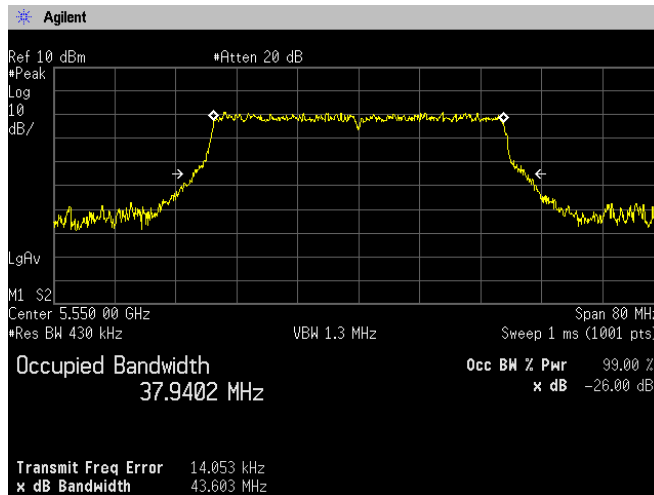




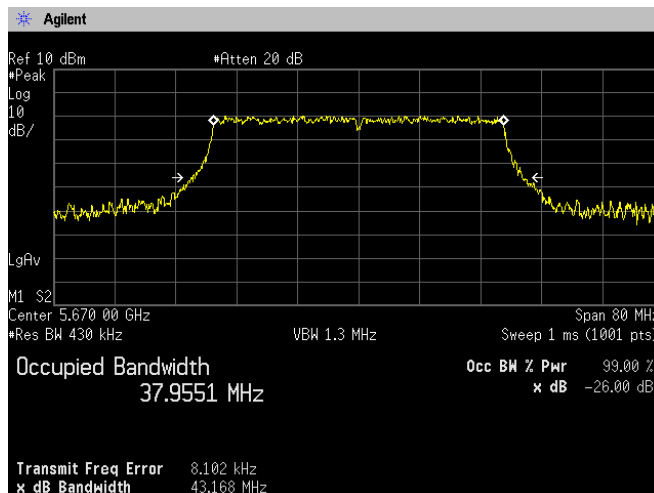
**(5.6 GHz Band)
Channel: 102[Chain 1]**



Channel: 110[Chain 1]



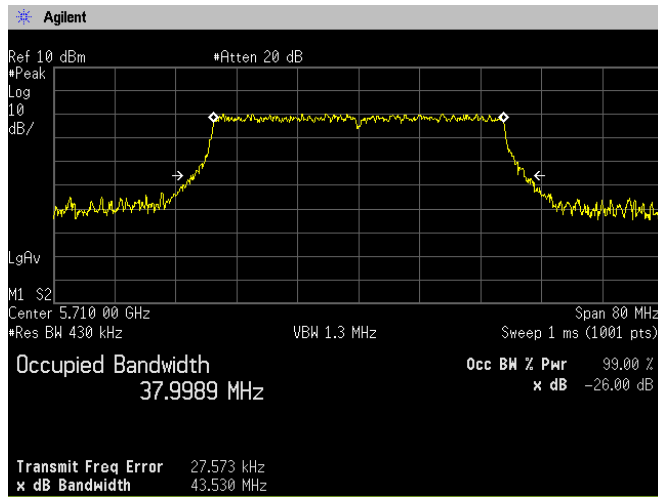
Channel: 134[Chain 1]



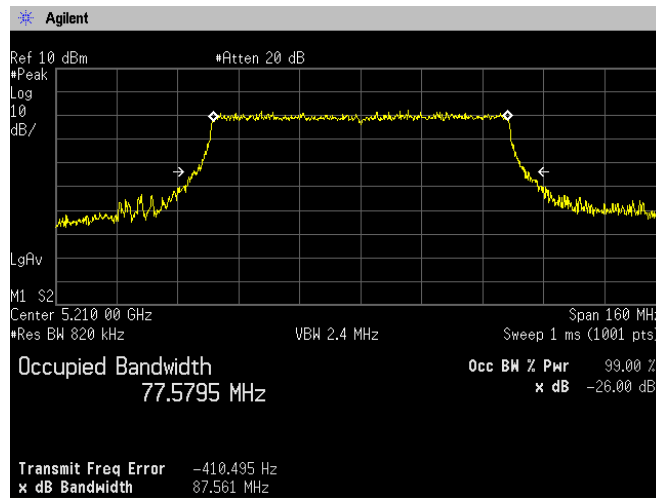


Japan

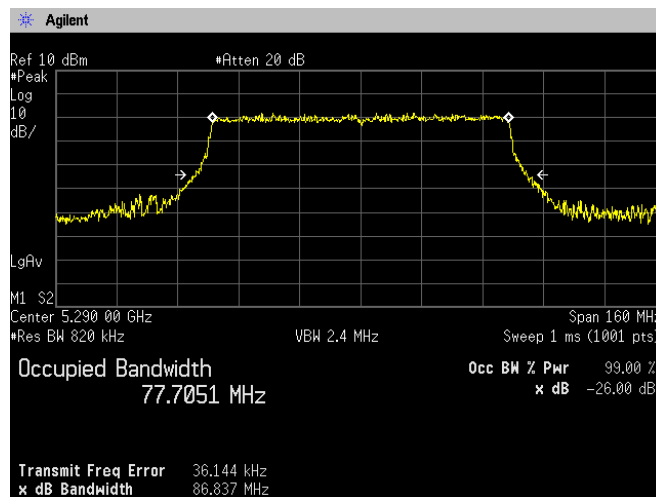
**(5.6 GHz Band)
Channel: 142[Chain 1]**



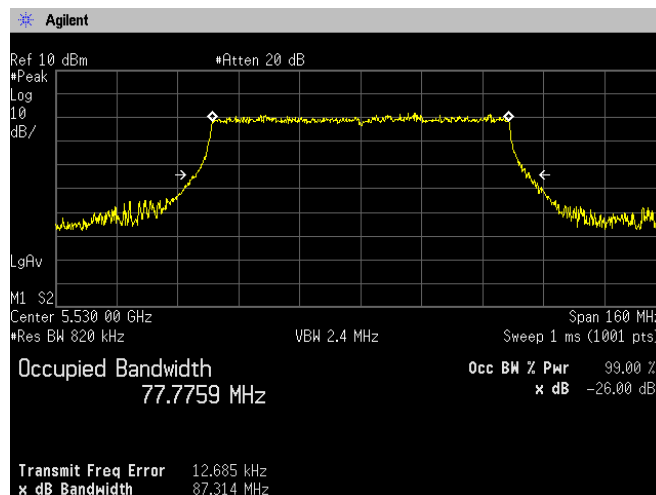
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 1]**



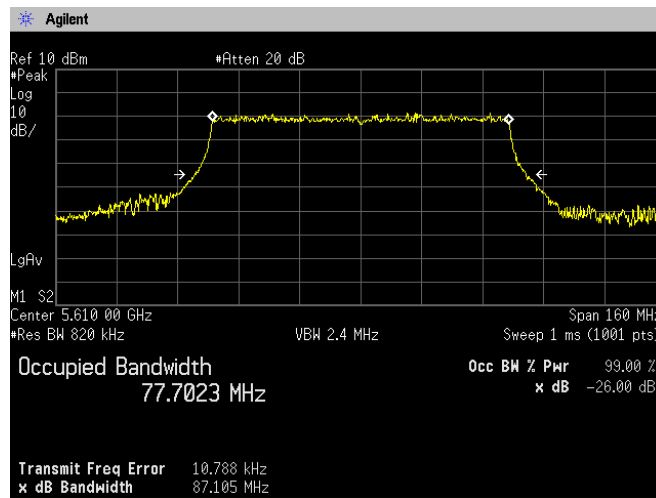
**(5.3GHz Band)
Channel: 58[Chain 1]**



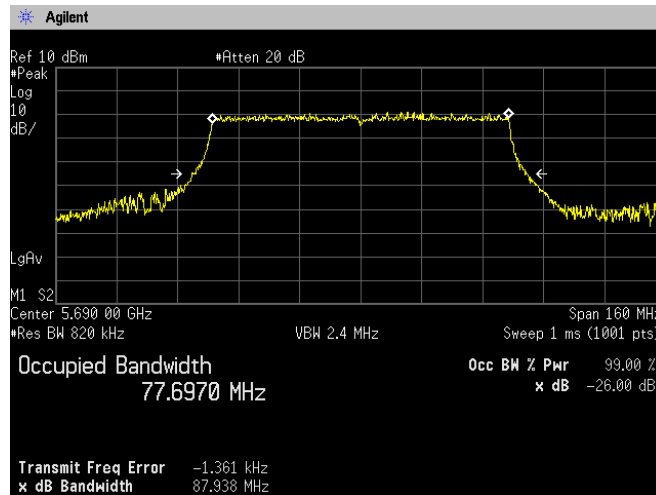
**(5.6 GHz Band)
Channel: 106[Chain 1]**



**(5.6 GHz Band)
Channel: 122[Chain 1]**



Channel: 138[Chain 1]



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

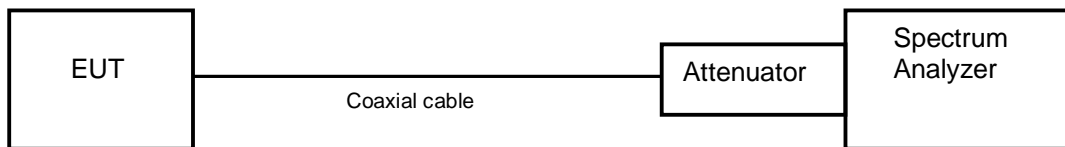
The EUT was set to operate with following conditions.

- 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	Chain 0 Gain (dBi)	Chain 1 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2 GHz Band	2.2	0.6	1.47	4.45
5.3 GHz Band	2.2	0.6	1.47	4.45
5.6 GHz Band	3.2	1.9	2.60	5.58



<Output Power Limit Calculation[Chain 0]>

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2GHz Band	802.11ax HE20	250	23.97	2.2	23.97
	802.11ax HE40				
	802.11ax HE80				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11ax HE20	250	23.97	2.2	23.72
		18.696	23.72		
	802.11ax HE40	250	23.97		23.97
		43.450	27.38		
	802.11ax HE80	250	23.97		23.97
86.999	30.40				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11ax HE20	250	23.97	3.2	23.75
		18.840	23.75		
	802.11ax HE40	250	23.97		23.97
		43.092	27.34		
	802.11ax HE80	250	23.97		23.97
86.738	30.38				



<Output Power Limit Calculation[Chain 1]>

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2GHz Band	802.11ax HE20	250	23.97	0.6	23.97
	802.11ax HE40				
	802.11ax HE80				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11ax HE20	250	23.97	0.6	23.71
		18.673	23.71		
	802.11ax HE40	250	23.97		23.97
		43.666	27.40		
	802.11ax HE80	250	23.97		23.97
86.837	30.39				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11ax HE20	250	23.97	1.9	23.70
		18.635	23.70		
	802.11ax HE40	250	23.97		23.97
		43.168	27.35		
	802.11ax HE80	250	23.97		23.97
87.105	30.40				



<Output Power Limit Calculation[Chain 0+1]>

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
5.2GHz Band	802.11ax HE20	250	23.97	1.47	23.97
	802.11ax HE40				
	802.11ax HE80				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11ax HE20	250	23.97	1.47	23.71
		18.673	23.71		
	802.11ax HE40	250	23.97		23.97
		43.450	27.40		
	802.11ax HE80	250	23.97		23.97
86.837	30.39				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11ax HE20	250	23.97	2.6	23.70
		18.635	23.70		
	802.11ax HE40	250	23.97		23.97
		43.092	27.35		
	802.11ax HE80	250	23.97		23.97
86.738	30.40				



4.2.4 Measurement result

Date : 25-July-2023
 Temperature : 24.1 [°C]
 Humidity : 51.1 [%]
 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			
802.11ax HE20 26-Tones	36	5180	9.03	5.088	5.106	0.996	0	9.030	7.998
	40	5200	8.89					8.890	7.745
	58	5240	9.35					9.350	8.610
	52	5260	8.93	5.088	5.106	0.996	0	8.930	7.816
	56	5280	8.77					8.770	7.534
	64	5320	9.62					9.620	9.162
	100	5500	9.98	5.088	5.106	0.996	0	9.980	9.954
	116	5580	9.40					9.400	8.710
	140	5700	8.87					8.870	7.709
	144	5720	8.61					8.610	7.261

[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			
802.11ax HE20 52-Tones	36	5180	8.91	5.076	5.094	0.996	0	8.910	7.780
	40	5200	8.82					8.820	7.621
	58	5240	9.21					9.210	8.337
	52	5260	8.75	5.076	5.094	0.996	0	8.750	7.499
	56	5280	8.73					8.730	7.464
	64	5320	9.57					9.570	9.057
	100	5500	9.78	5.076	5.094	0.996	0	9.780	9.506
	116	5580	9.41					9.410	8.730
	140	5700	8.62					8.620	7.278
	144	5720	8.46					8.460	7.015

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

Note2: Test Result=Reading + 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			
802.11ax HE20 106-Tones	36	5180	9.00	4.764	4.782	0.996	0	9.000	7.943
	40	5200	9.00					9.000	7.943
	58	5240	9.19					9.190	8.299
	52	5260	8.76	4.764	4.782	0.996	0	8.760	7.516
	56	5280	8.89					8.890	7.745
	64	5320	9.49					9.490	8.892
	100	5500	9.83	4.764	4.782	0.996	0	9.830	9.616
	116	5580	9.61					9.610	9.141
	140	5700	8.62					8.620	7.278
	144	5720	8.45					8.450	6.998

[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			
802.11ax HE20 242-Tones	36	5180	9.06	4.668	4.686	0.996	0	9.060	8.054
	40	5200	9.11					9.110	8.147
	58	5240	9.08					9.080	8.091
	52	5260	8.84	4.668	4.686	0.996	0	8.840	7.656
	56	5280	8.98					8.980	7.907
	64	5320	9.40					9.400	8.710
	100	5500	9.83	4.668	4.686	0.996	0	9.830	9.616
	116	5580	9.59					9.590	9.099
	140	5700	8.54					8.540	7.145
	144	5720	8.52					8.520	7.112

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

Note2: Test Result=Reading + 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			
802.11ax HE40 484-Tones	38	5190	9.12	4.662	4.686	0.995	0	9.120	8.166
	46	5230	9.07					9.070	8.072
	54	5270	8.99	4.662	4.686	0.995	0	8.990	7.925
	62	5310	9.44					9.440	8.790
	102	5510	8.89	4.662	4.686	0.995	0	8.890	7.745
	110	5550	9.78					9.780	9.506
	134	5670	8.87					8.870	7.709
	142	5710	8.57					8.570	7.194

[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			
802.11ax HE80 996-Tones	42	5210	9.11	4.728	4.746	0.996	0	9.110	8.147
	58	5290	9.37	4.728	4.746	0.996	0	9.370	8.650
	106	5530	9.94	4.728	4.746	0.996	0	9.940	9.863
	122	5610	9.56	4.728	4.746	0.996	0	9.560	9.036
	138	5690	8.62	4.728	4.746	0.996	0	8.620	7.278

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

Note2: Test Result=Reading + 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			
802.11ax HE20 26-Tones	36	5180	11.14	5.088	5.106	0.996	0	11.140	13.002
	40	5200	10.84					10.840	12.134
	58	5240	11.17					11.170	13.092
	52	5260	10.94	5.088	5.106	0.996	0	10.940	12.417
	56	5280	10.72					10.720	11.803
	64	5320	11.45					11.450	13.964
	100	5500	10.83	5.088	5.106	0.996	0	10.830	12.106
	116	5580	9.96					9.960	9.908
	140	5700	9.99					9.990	9.977
	144	5720	9.77					9.770	9.484

[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			
802.11ax HE20 52-Tones	36	5180	11.21	5.076	5.094	0.996	0	11.210	13.213
	40	5200	10.90					10.900	12.303
	58	5240	11.05					11.050	12.735
	52	5260	10.87	5.076	5.094	0.996	0	10.870	12.218
	56	5280	10.76					10.760	11.912
	64	5320	11.29					11.290	13.459
	100	5500	10.66	5.076	5.094	0.996	0	10.660	11.641
	116	5580	10.01					10.010	10.023
	140	5700	9.76					9.760	9.462
	144	5720	9.90					9.900	9.772

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

Note2: Test Result=Reading + 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			
802.11ax HE20 106-Tones	36	5180	11.50	4.764	4.782	0.996	0	11.500	14.125
	40	5200	11.39					11.390	13.772
	58	5240	11.26					11.260	13.366
	52	5260	11.12	4.764	4.782	0.996	0	11.120	12.942
	56	5280	11.16					11.160	13.062
	64	5320	11.46					11.460	13.996
	100	5500	10.90	4.764	4.782	0.996	0	10.900	12.303
	116	5580	10.46					10.460	11.117
	140	5700	10.07					10.070	10.162
	144	5720	9.93					9.930	9.840

[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			
802.11ax HE20 242-Tones	36	5180	11.45	4.668	4.686	0.996	0	11.450	13.964
	40	5200	11.37					11.370	13.709
	58	5240	11.15					11.150	13.032
	52	5260	11.08	4.668	4.686	0.996	0	11.080	12.823
	56	5280	11.18					11.180	13.122
	64	5320	11.39					11.390	13.772
	100	5500	10.95	4.668	4.686	0.996	0	10.950	12.445
	116	5580	10.45					10.450	11.092
	140	5700	10.01					10.010	10.023
	144	5720	9.95					9.950	9.886

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

Note2: Test Result=Reading + 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			
802.11ax HE40 484-Tones	38	5190	11.50	4.662	4.686	0.995	0	11.500	14.125
	46	5230	11.21					11.210	13.213
	54	5270	11.15	4.662	4.686	0.995	0	11.150	13.032
	62	5310	11.40					11.400	13.804
	102	5510	10.88	4.662	4.686	0.995	0	10.880	12.246
	110	5550	10.65					10.650	11.614
	134	5670	10.16					10.160	10.375
	142	5710	10.04					10.040	10.093

[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			
802.11ax HE80 996-Tones	42	5210	11.05	4.728	4.746	0.996	0	11.050	12.735
	58	5290	11.12	4.728	4.746	0.996	0	11.120	12.942
	106	5530	10.53	4.728	4.746	0.996	0	10.530	11.298
	122	5610	10.12	4.728	4.746	0.996	0	10.120	10.280
	138	5690	9.84	4.728	4.746	0.996	0	9.840	9.638

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

Note2: Test Result=Reading + DCF



[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ax HE20 26-Tones	36	5180	9.030	11.140	13.222	21.000
	40	5200	8.890	10.840	12.984	19.879
	58	5240	9.350	11.170	13.365	21.702
	52	5260	8.930	10.940	13.061	20.233
	56	5280	8.770	10.720	12.864	19.337
	64	5320	9.620	11.450	13.641	23.126
	100	5500	9.980	10.830	13.436	22.060
	116	5580	9.400	9.960	12.699	18.618
	140	5700	8.870	9.990	12.476	17.686
	144	5720	8.610	9.770	12.239	16.745

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ax HE20 52-Tones	36	5180	8.910	11.210	13.221	20.993
	40	5200	8.820	10.900	12.994	19.923
	58	5240	9.210	11.050	13.237	21.072
	52	5260	8.750	10.870	12.948	19.717
	56	5280	8.730	10.760	12.873	19.377
	64	5320	9.570	11.290	13.525	22.516
	100	5500	9.780	10.660	13.253	21.147
	116	5580	9.410	10.010	12.731	18.753
	140	5700	8.620	9.760	12.238	16.740
	144	5720	8.460	9.900	12.250	16.787

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

Note2: Test Result=Reading + DCF



[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ax HE20 106-Tones	36	5180	9.000	11.500	13.438	22.069
	40	5200	9.000	11.390	13.368	21.715
	58	5240	9.190	11.260	13.357	21.664
	52	5260	8.760	11.120	13.109	20.458
	56	5280	8.890	11.160	13.182	20.806
	64	5320	9.490	11.460	13.596	22.888
	100	5500	9.830	10.900	13.408	21.919
	116	5580	9.610	10.460	13.066	20.258
	140	5700	8.620	10.070	12.416	17.440
	144	5720	8.450	9.930	12.263	16.839

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ax HE20 242-Tones	36	5180	9.060	11.450	13.428	22.017
	40	5200	9.110	11.370	13.396	21.856
	58	5240	9.080	11.150	13.247	21.123
	52	5260	8.840	11.080	13.113	20.479
	56	5280	8.980	11.180	13.228	21.029
	64	5320	9.400	11.390	13.518	22.482
	100	5500	9.830	10.950	13.436	22.061
	116	5580	9.590	10.450	13.052	20.191
	140	5700	8.540	10.010	12.347	17.168
	144	5720	8.520	9.950	12.304	16.998

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

Note2: Test Result=Reading + DCF

[Chain 0+1]

Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ax HE40 484-Tones	38	5190	9.120	11.500	13.481	22.291
	46	5230	9.070	11.210	13.281	21.285
	54	5270	8.990	11.150	13.213	20.957
	62	5310	9.440	11.400	13.540	22.594
	102	5510	8.890	10.880	13.008	19.991
	110	5550	9.780	10.650	13.247	21.121
	134	5670	8.870	10.160	12.573	18.084
	142	5710	8.570	10.040	12.377	17.287

[Chain 0+1]

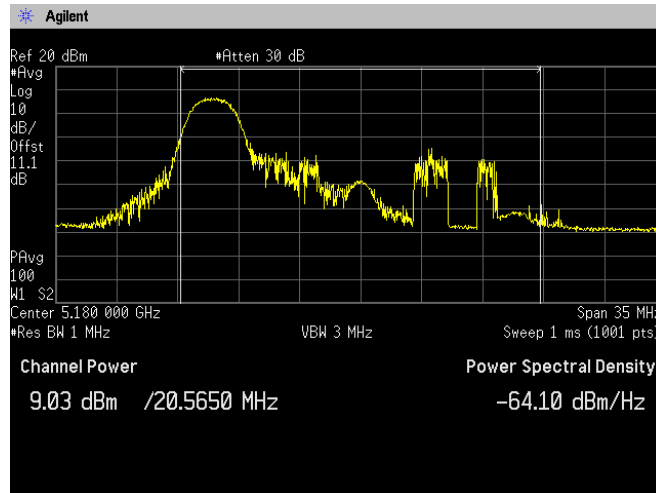
Mode	Channel	Frequency (MHz)	Test Result (dBm)		Total Test Result (dBm)	Total Test Result (mW)
			Chain 0	Chain 1		
802.11ax HE80 996-Tones	42	5210	9.110	11.050	13.198	20.882
	58	5290	9.370	11.120	13.343	21.592
	106	5530	9.940	10.530	13.255	21.161
	122	5610	9.560	10.120	12.859	19.317
	138	5690	8.620	9.840	12.283	16.916

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

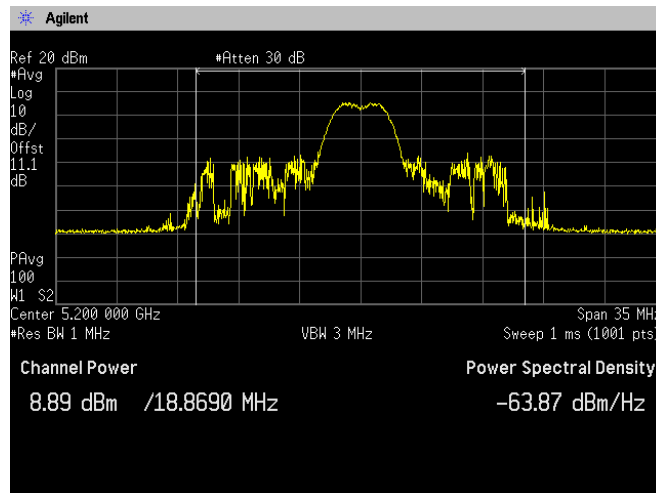
Note2: Test Result=Reading + DCF

4.2.5 Trace data

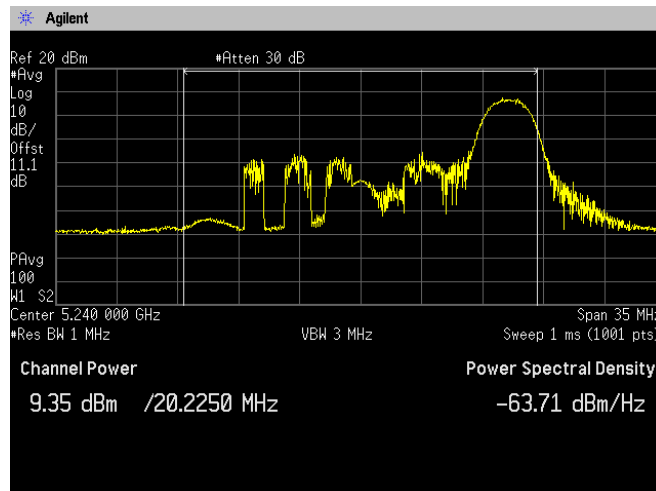
**[IEEE802.11ax_HE20_26-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



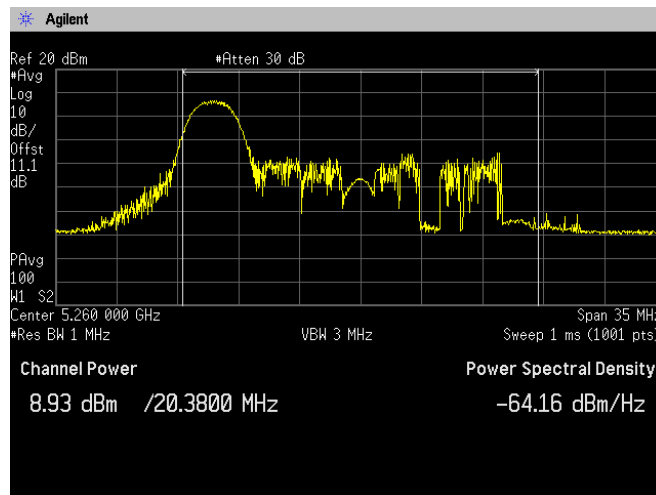
Channel: 40[Chain 0]



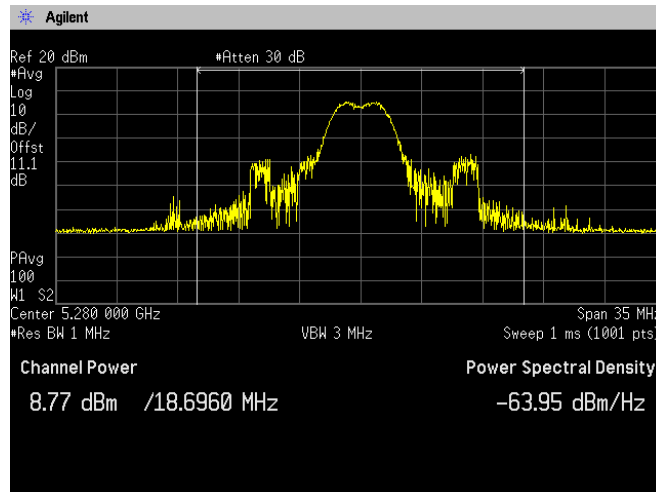
Channel: 48[Chain 0]



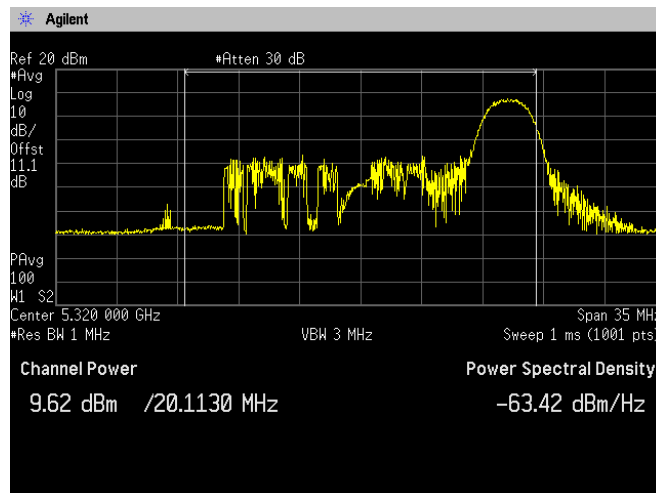
**(5.3 GHz Band)
Channel: 52[Chain 0]**



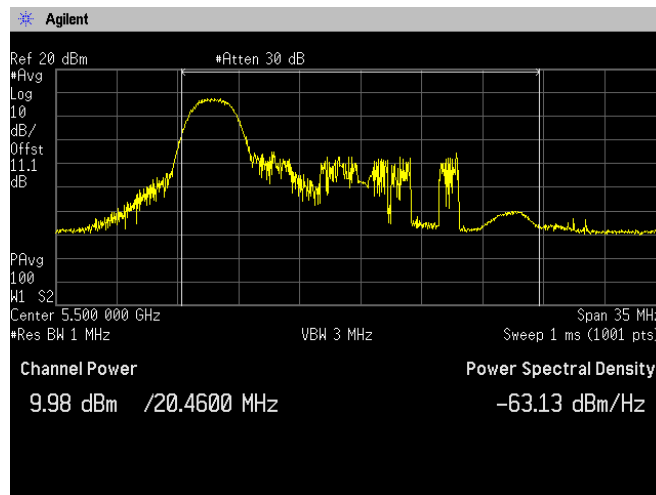
Channel: 56[Chain 0]



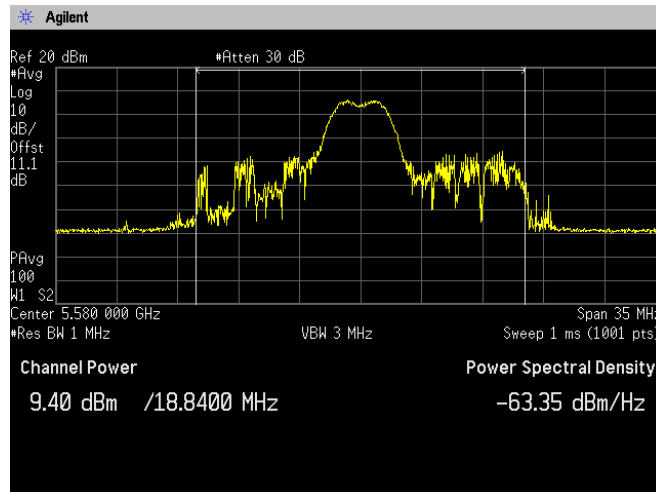
Channel: 64[Chain 0]



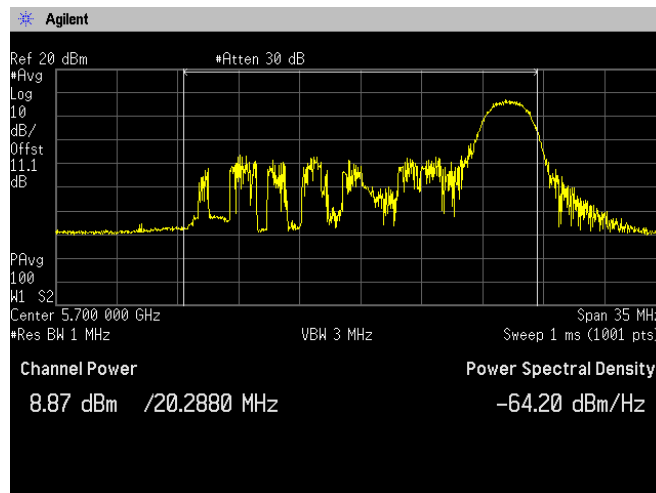
**(5.6 GHz Band)
Channel: 100[Chain 0]**



Channel: 116[Chain 0]



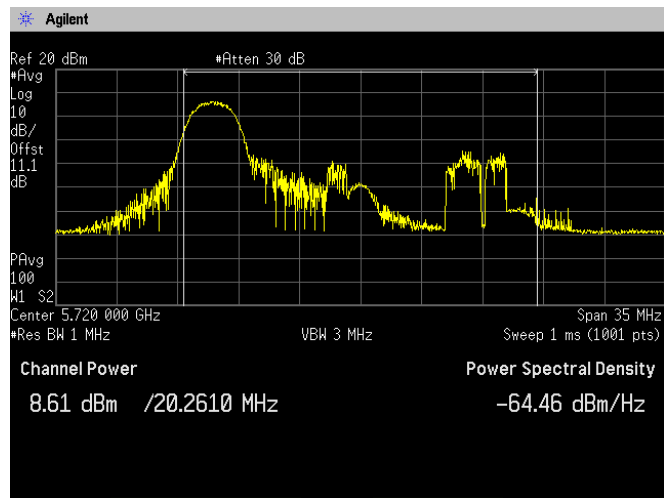
Channel: 140[Chain 0]



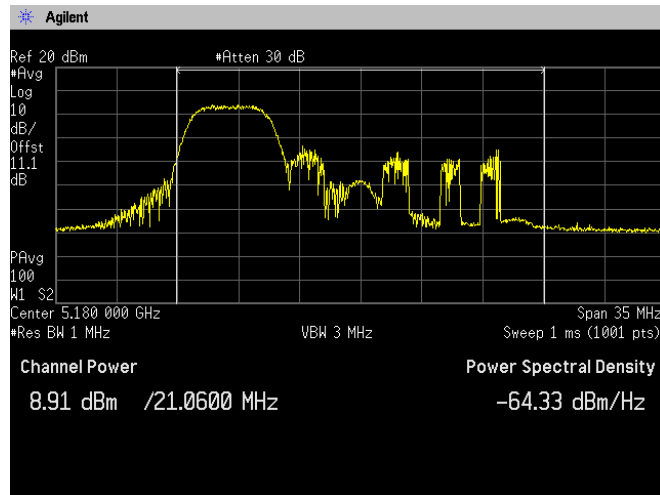


Japan

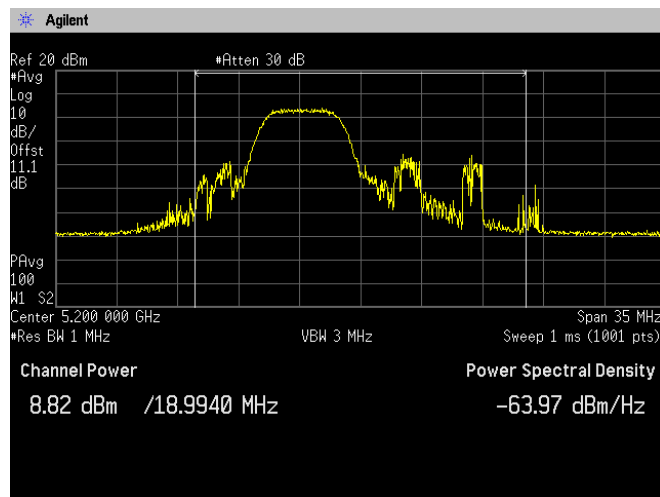
**(5.6 GHz Band)
Channel: 144[Chain 0]**



**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**

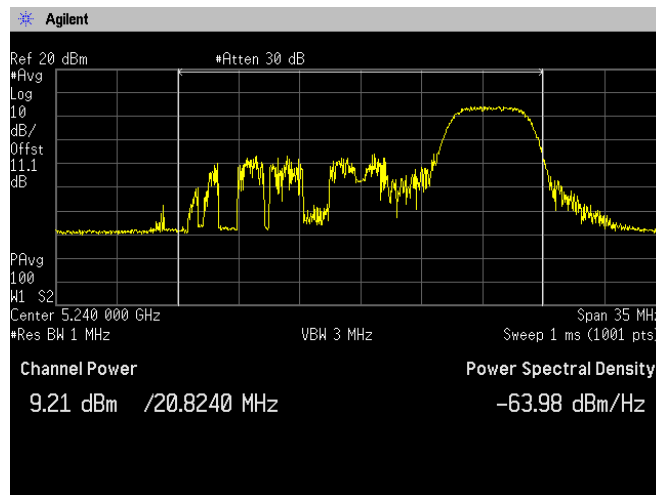


Channel: 40[Chain 0]

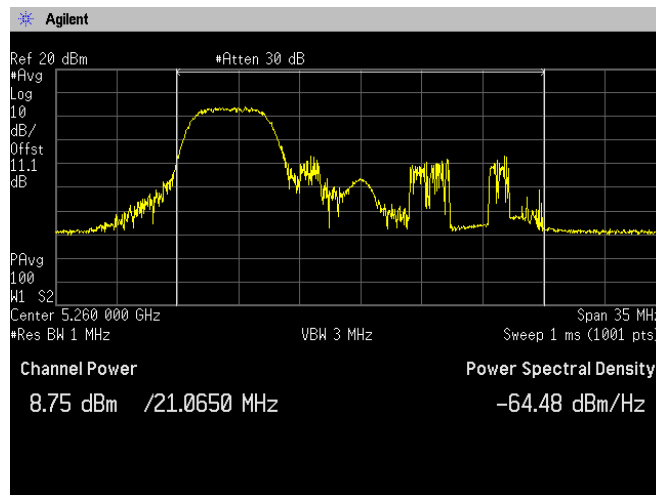




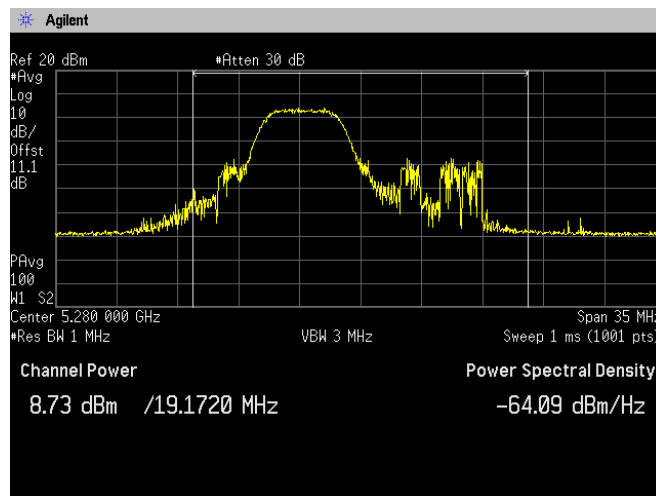
**(5.2 GHz Band)
Channel: 48[Chain 0]**



**(5.3 GHz Band)
Channel: 52[Chain 0]**

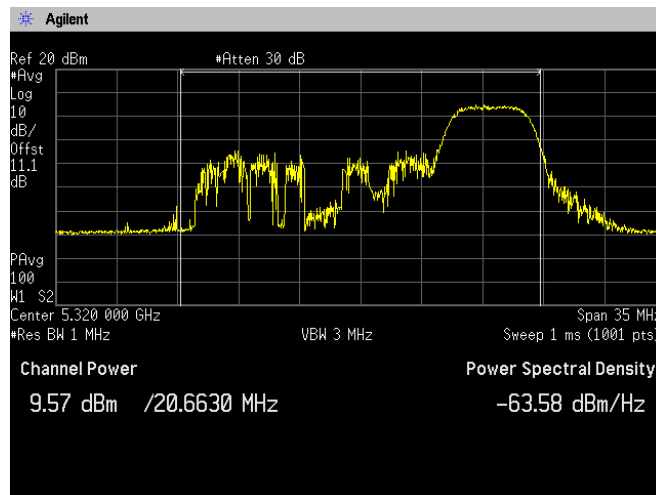


Channel: 56[Chain 0]

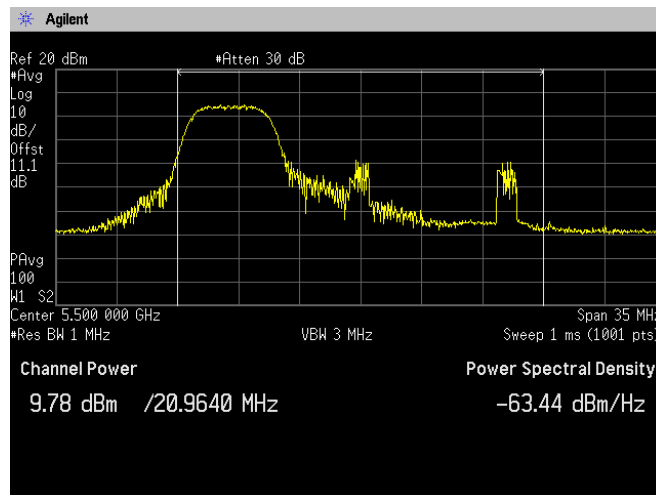




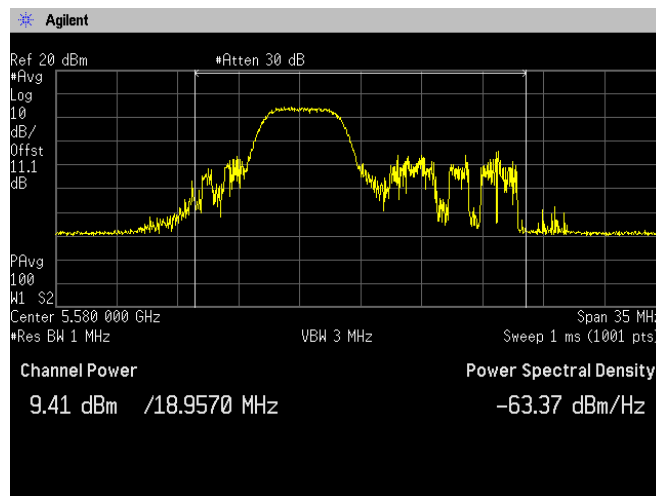
**(5.3 GHz Band)
Channel: 64[Chain 0]**



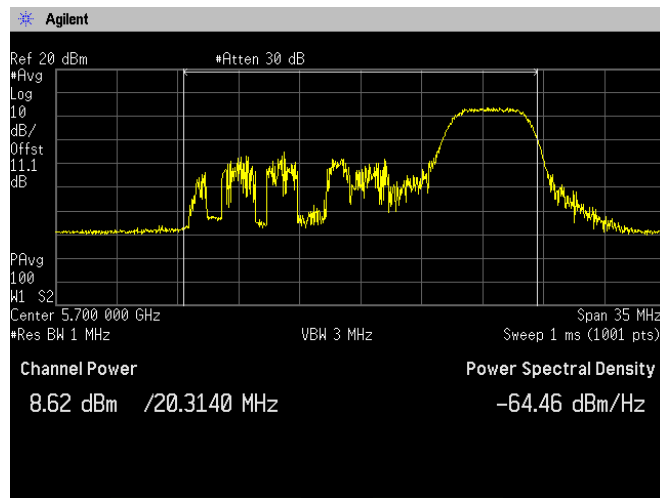
**(5.6 GHz Band)
Channel: 100[Chain 0]**



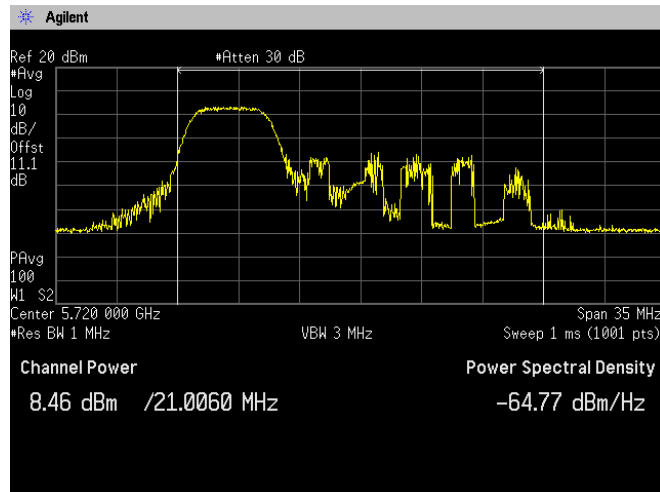
Channel: 116[Chain 0]



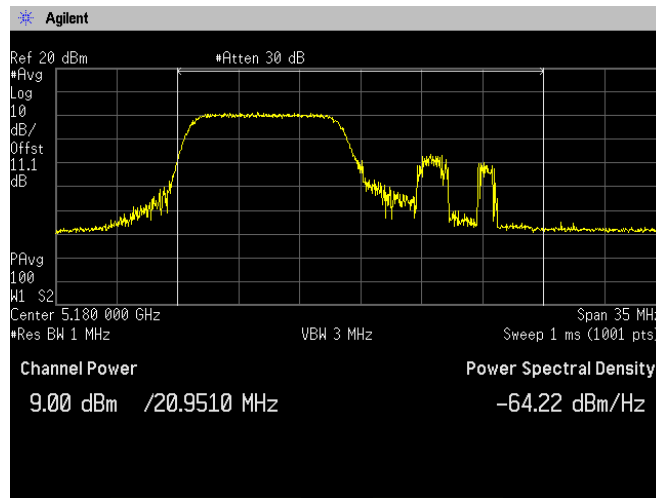
**(5.6 GHz Band)
Channel: 140[Chain 0]**



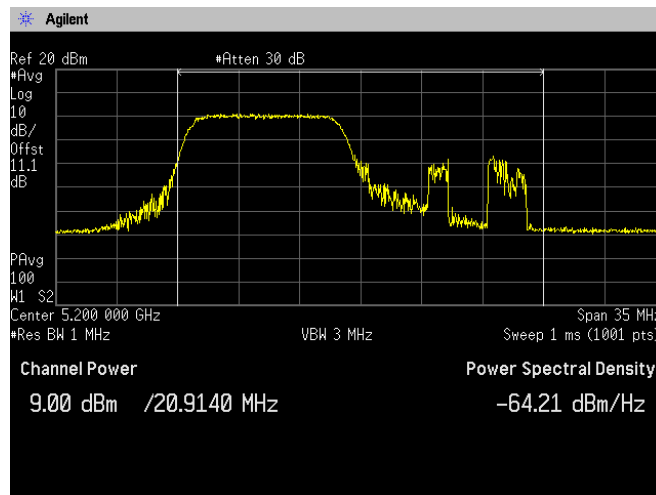
Channel: 144[Chain 0]



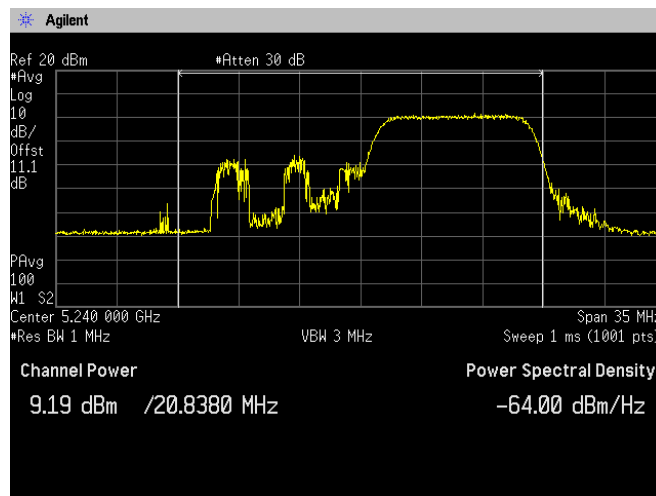
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



Channel: 40[Chain 0]

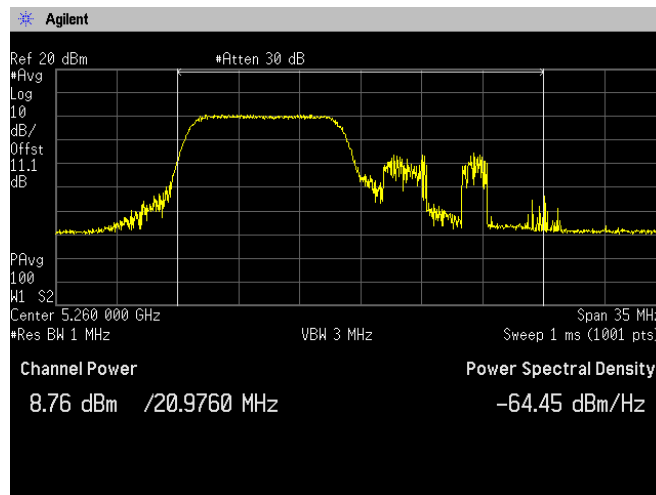


Channel: 48[Chain 0]

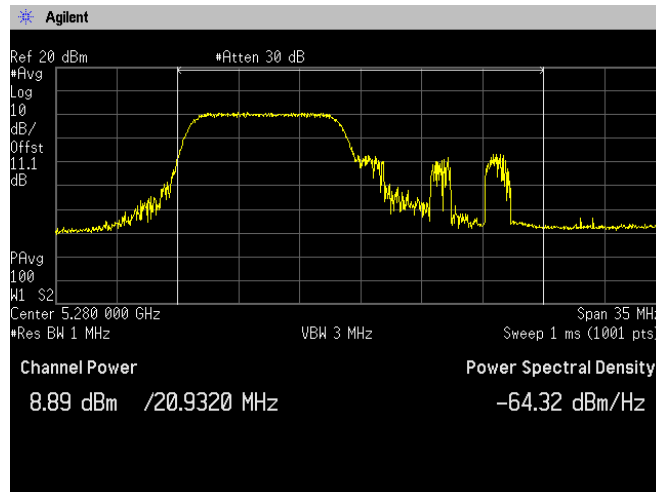




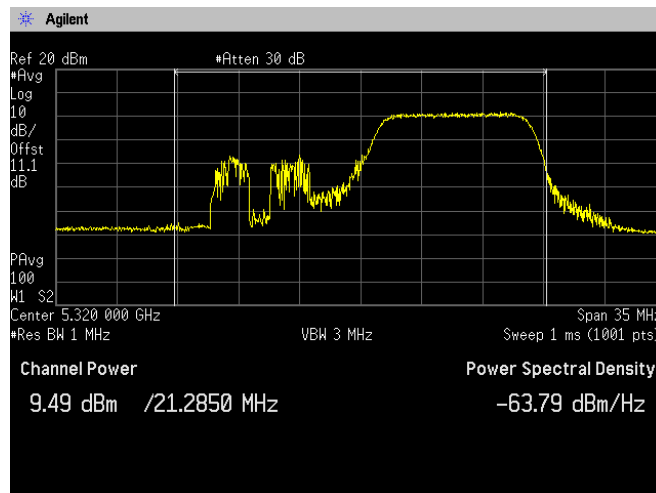
**(5.3 GHz Band)
Channel: 52[Chain 0]**



Channel: 56[Chain 0]

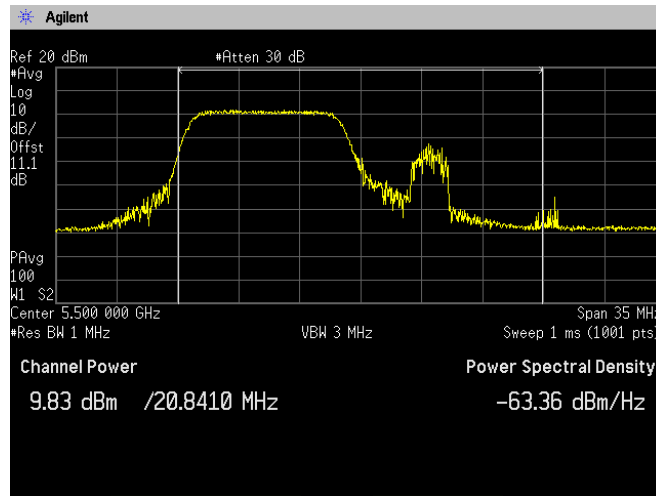


Channel: 64[Chain 0]

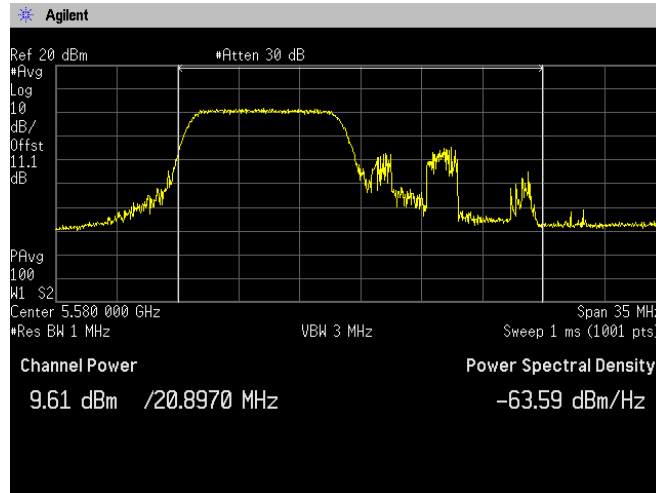




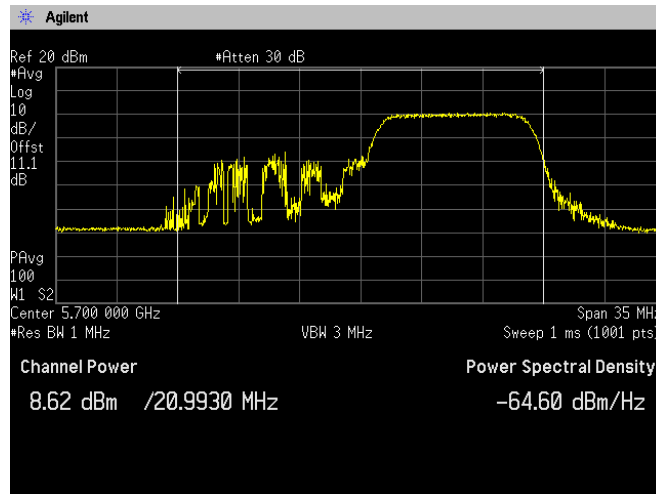
**(5.6 GHz Band)
Channel: 100[Chain 0]**



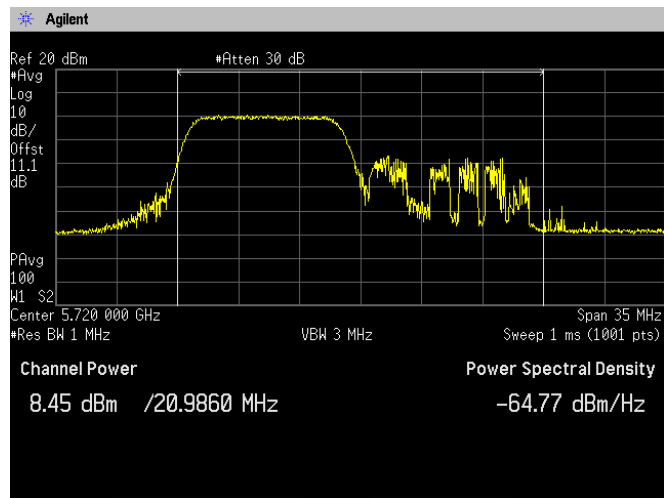
Channel: 116[Chain 0]



Channel: 140[Chain 0]

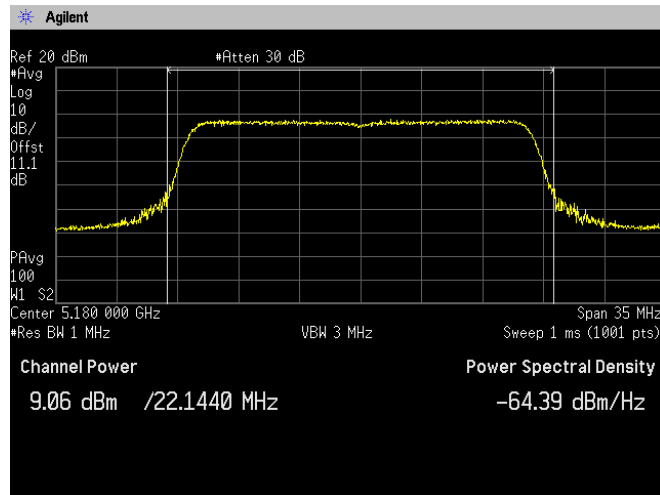


**(5.6 GHz Band)
Channel: 144[Chain 0]**

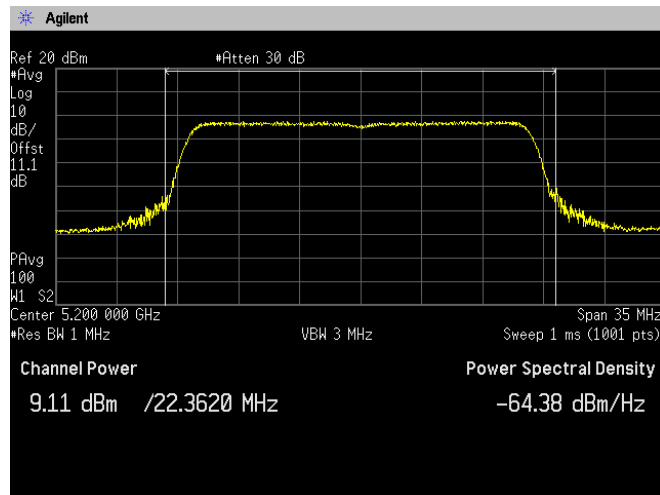




**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**

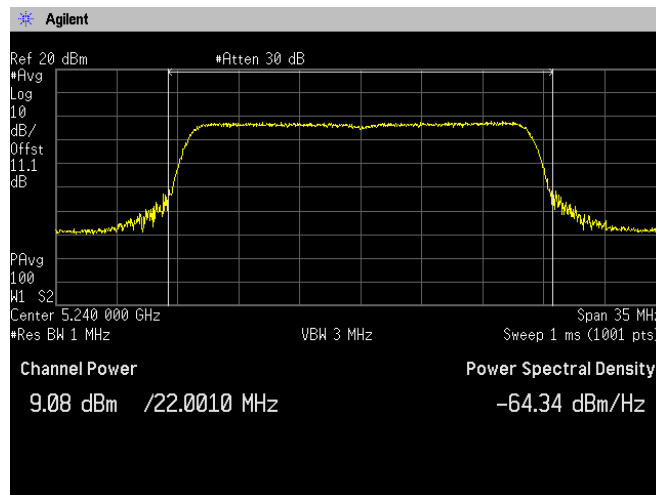


Channel: 40[Chain 0]

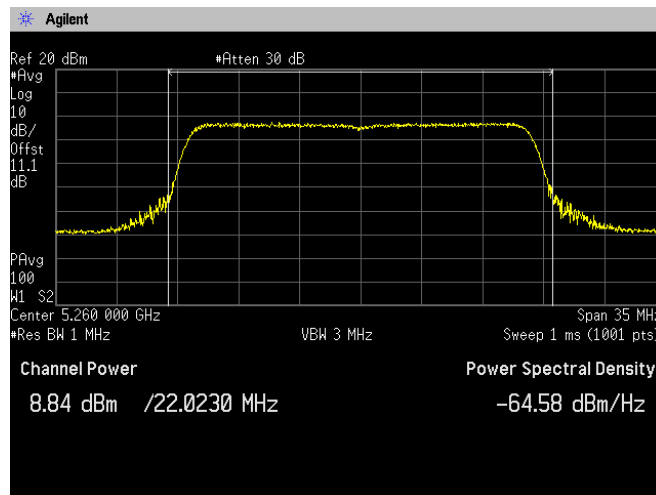




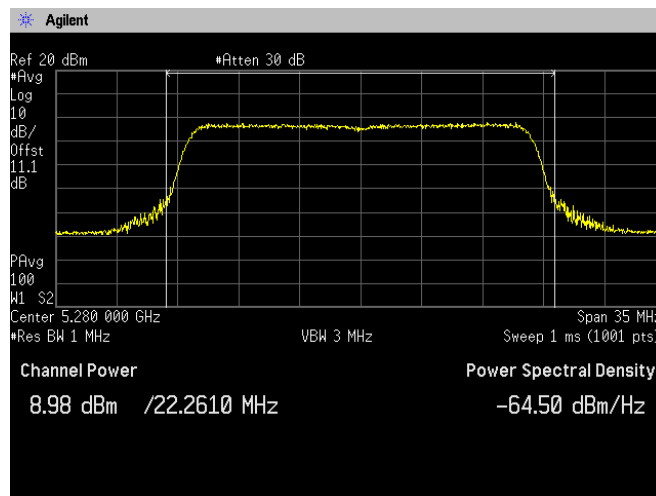
**(5.2 GHz Band)
Channel: 48[Chain 0]**



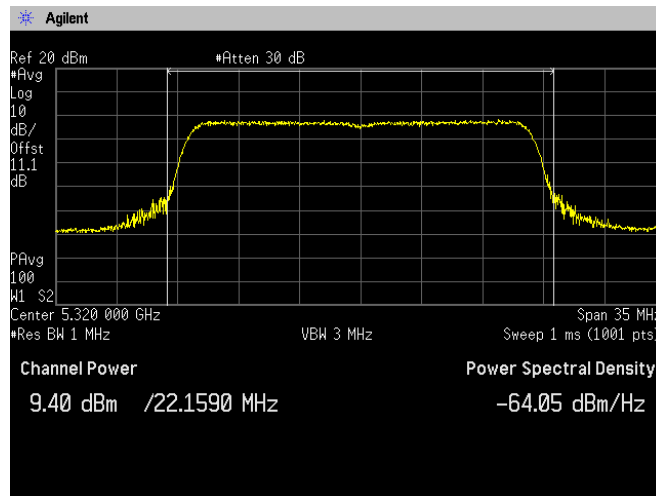
**(5.3 GHz Band)
Channel: 52[Chain 0]**



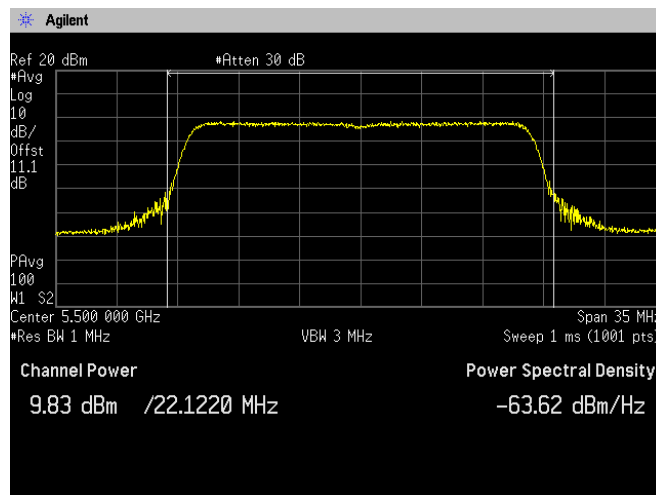
Channel: 56[Chain 0]



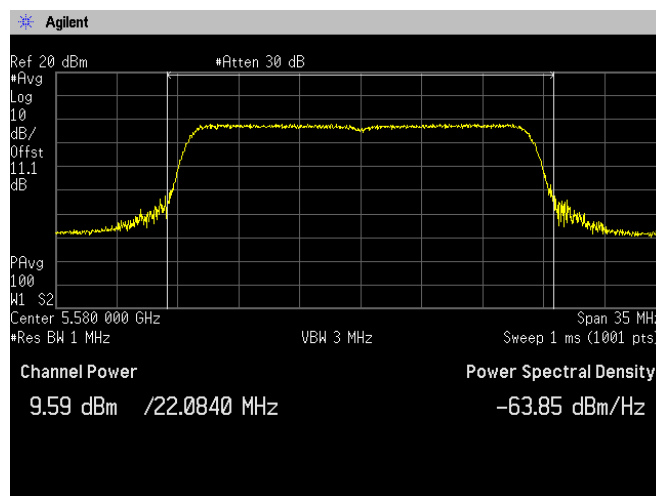
**(5.3 GHz Band)
Channel: 64[Chain 0]**



**(5.6 GHz Band)
Channel: 100[Chain 0]**

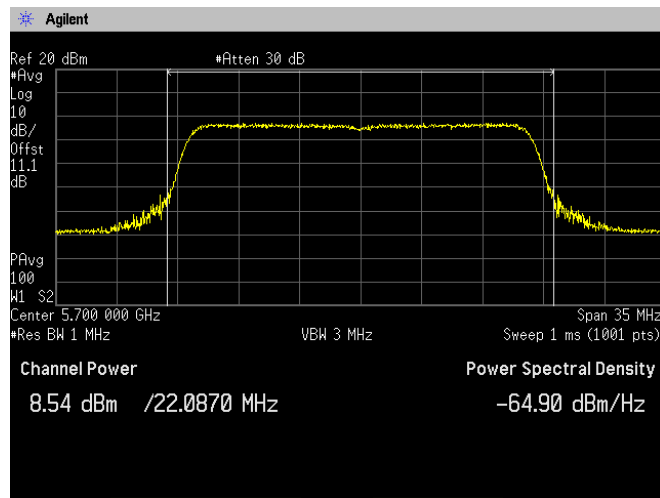


Channel: 116[Chain 0]

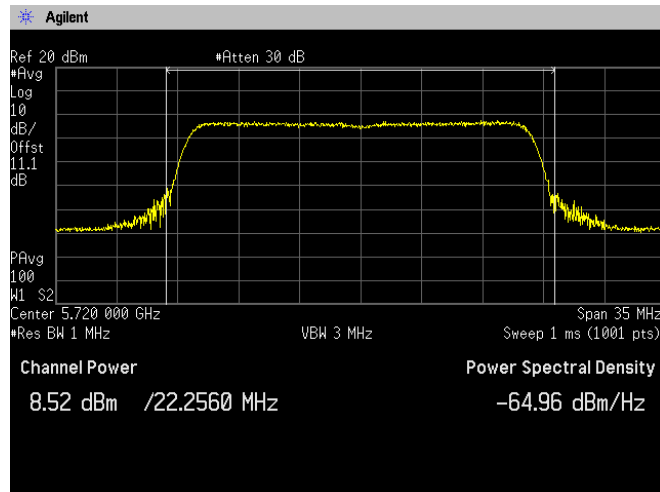




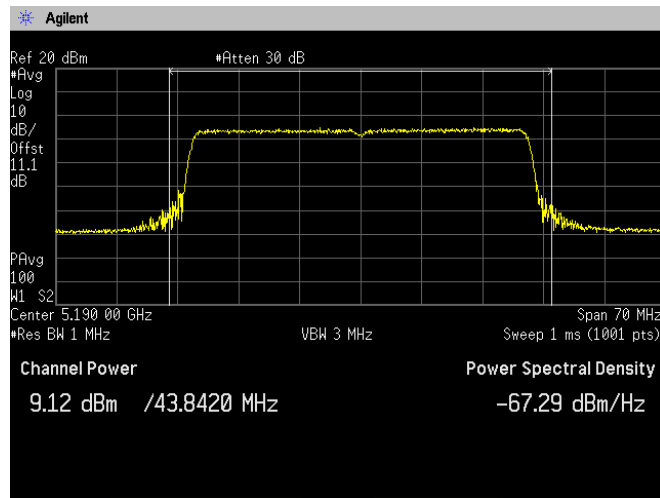
**(5.6 GHz Band)
Channel: 140[Chain 0]**



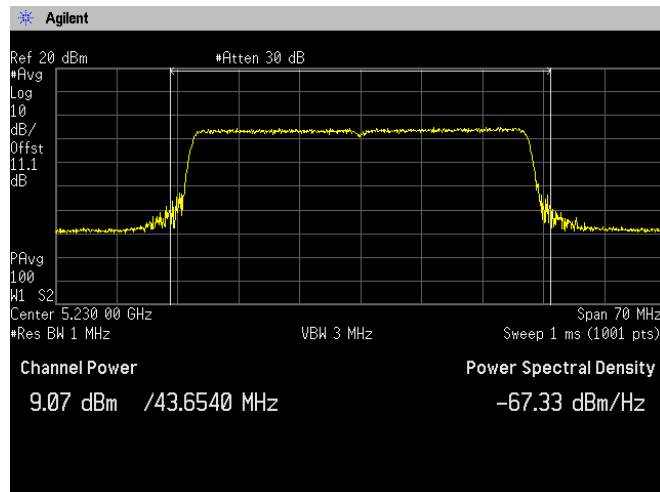
Channel: 144[Chain 0]



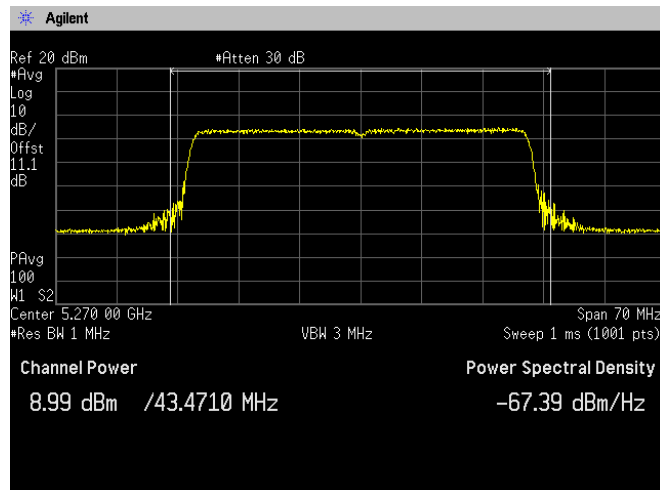
**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 0]**



**(5.2 GHz Band)
Channel: 46[Chain 0]**

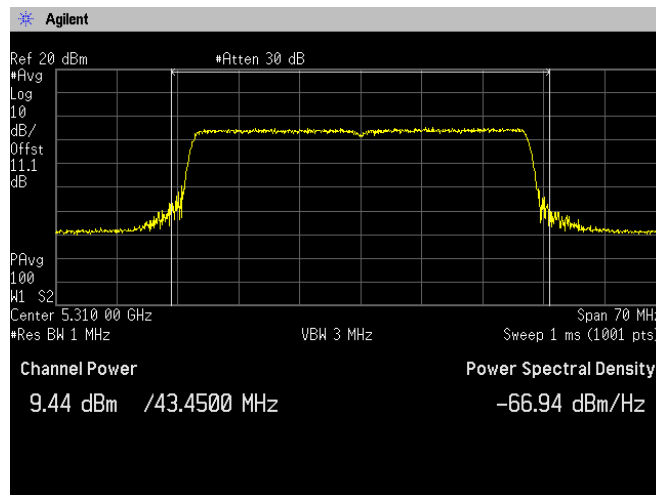


**(5.3 GHz Band)
Channel: 54[Chain 0]**

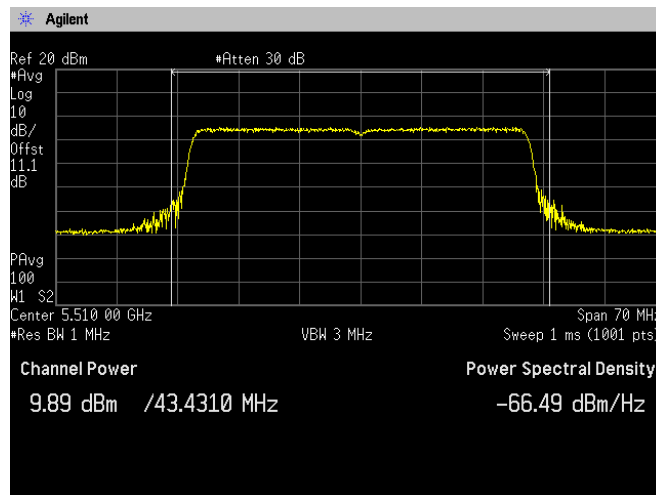




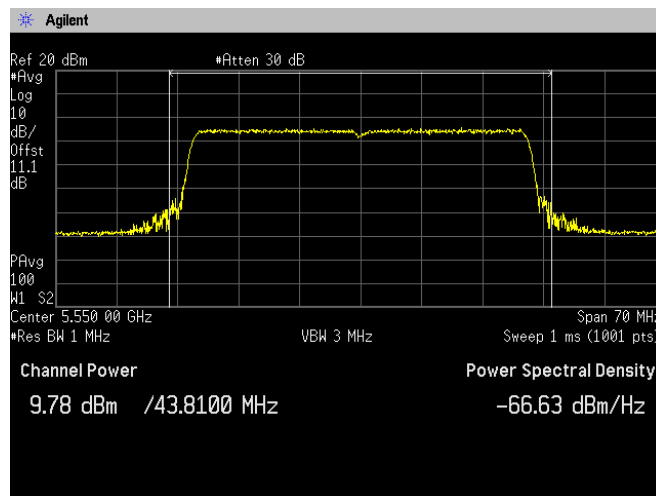
**(5.3 GHz Band)
Channel: 62[Chain 0]**



**(5.6 GHz Band)
Channel: 102[Chain 0]**



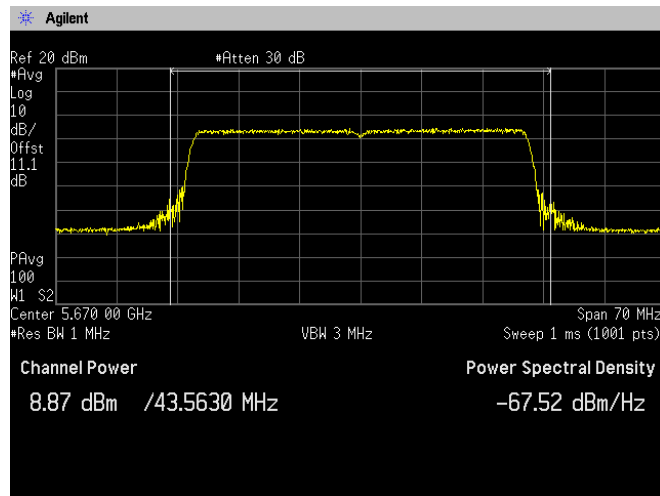
Channel: 110[Chain 0]



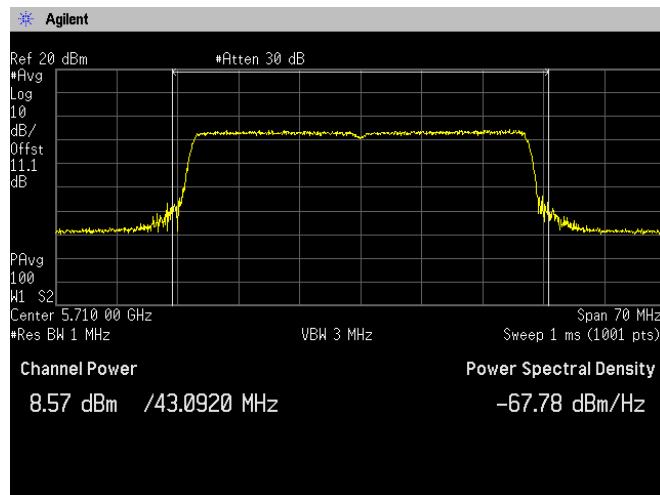


Japan

Channel: 134[Chain 0]

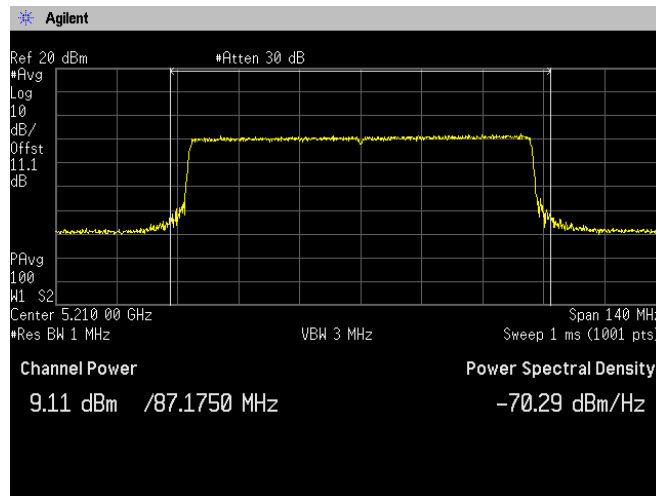


**(5.6 GHz Band)
Channel: 142[Chain 0]**

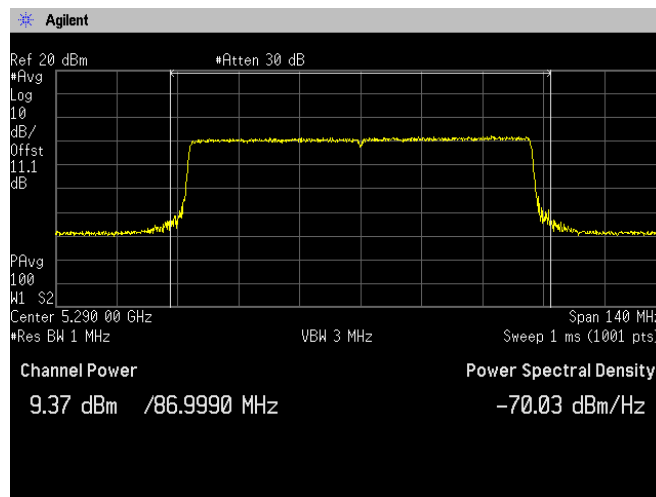




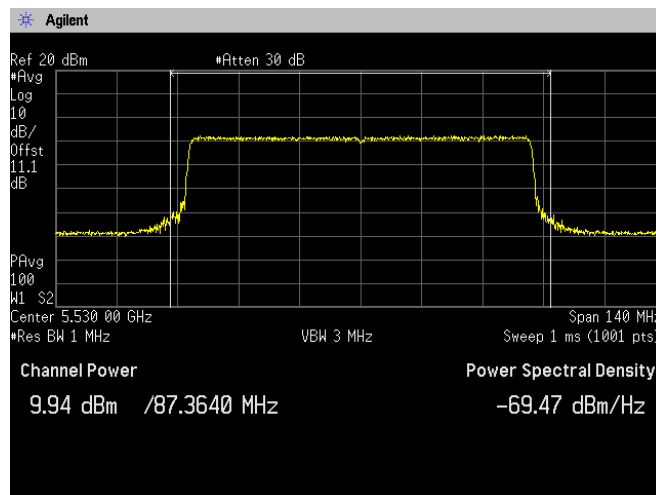
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 0]**



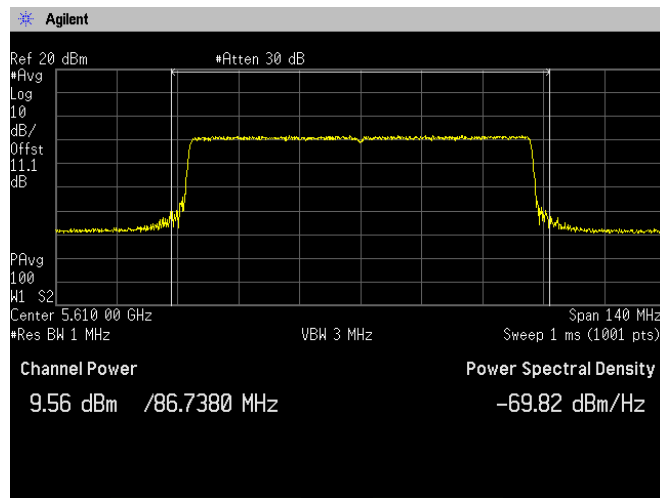
**(5.3GHz Band)
Channel: 58[Chain 0]**



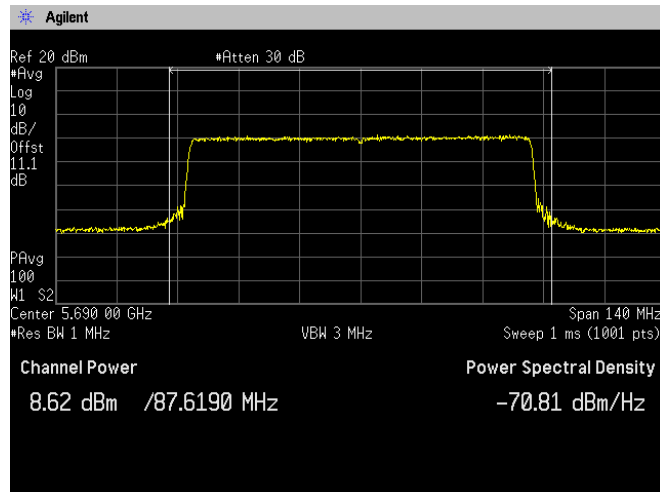
**(5.6 GHz Band)
Channel: 106[Chain 0]**



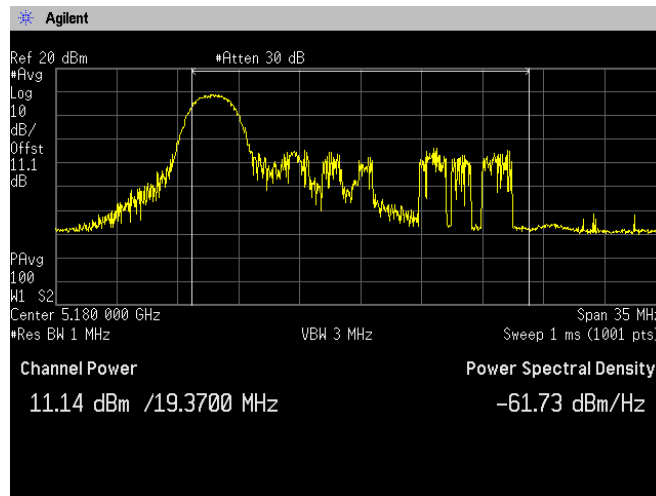
**(5.6 GHz Band)
Channel: 122[Chain 0]**



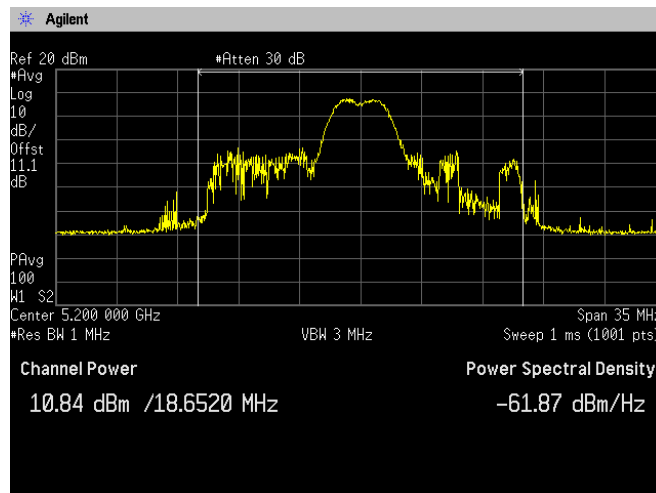
Channel: 138[Chain 0]



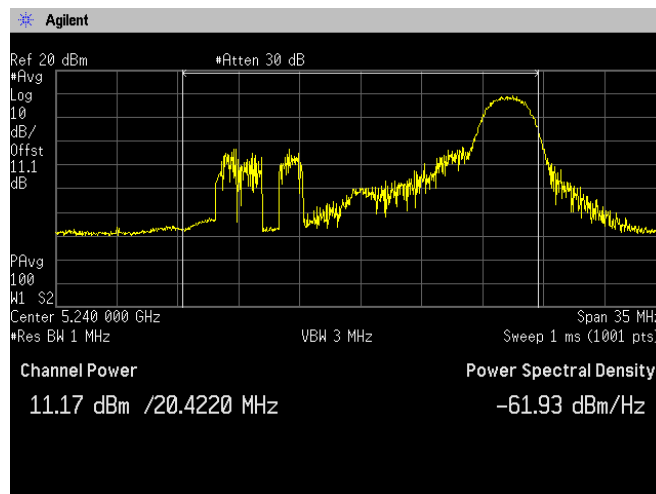
**[IEEE802.11ax_HE20_26-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



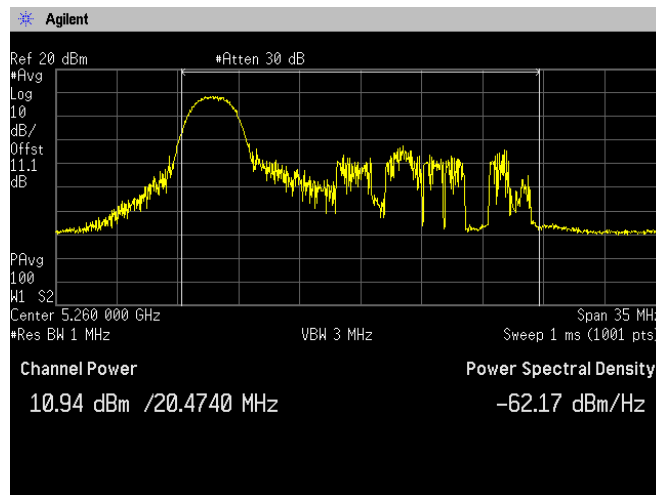
Channel: 40[Chain 1]



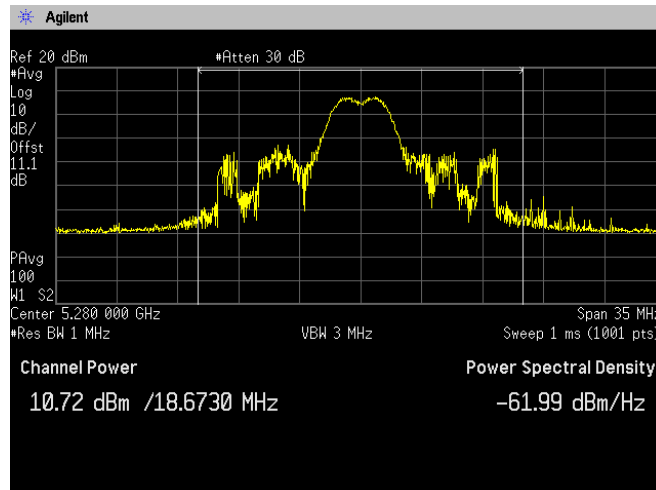
Channel: 48[Chain 1]



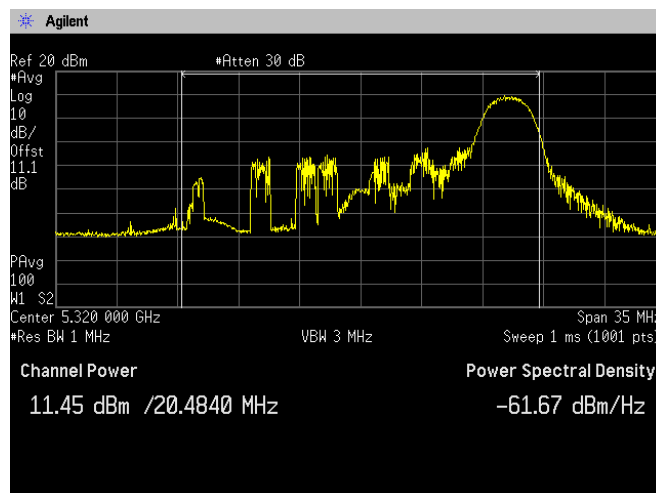
**(5.3 GHz Band)
Channel: 52[Chain 1]**



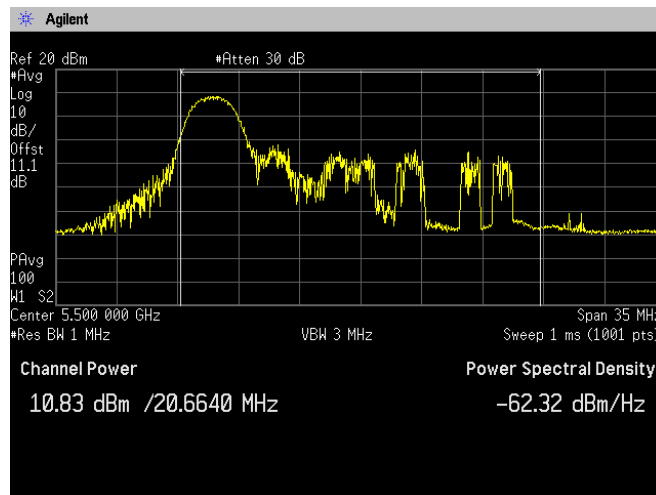
Channel: 56[Chain 1]



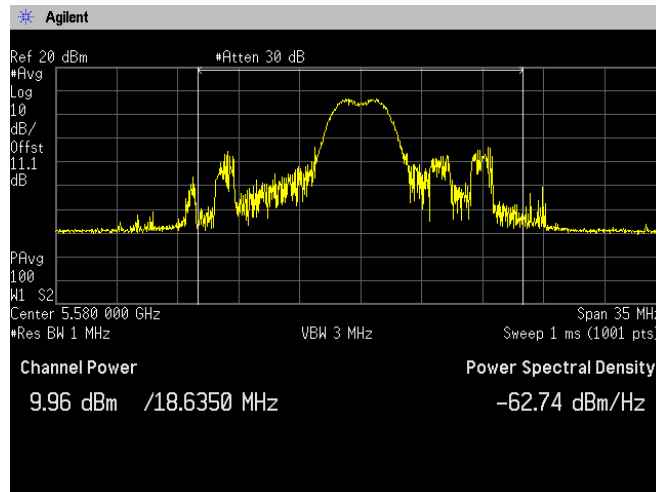
Channel: 64[Chain 1]



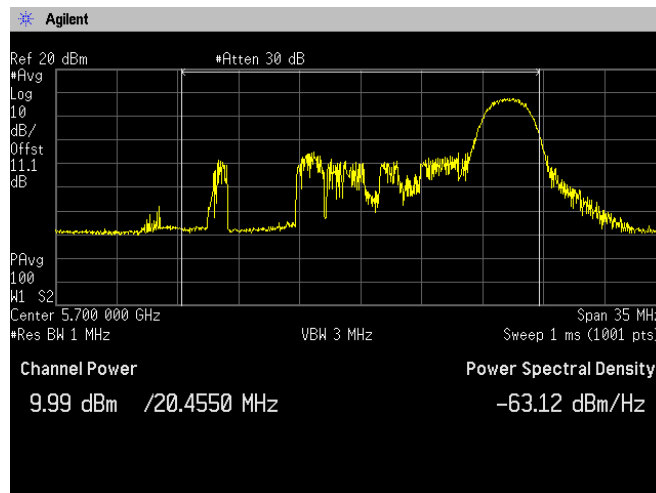
**(5.6 GHz Band)
Channel: 100[Chain 1]**



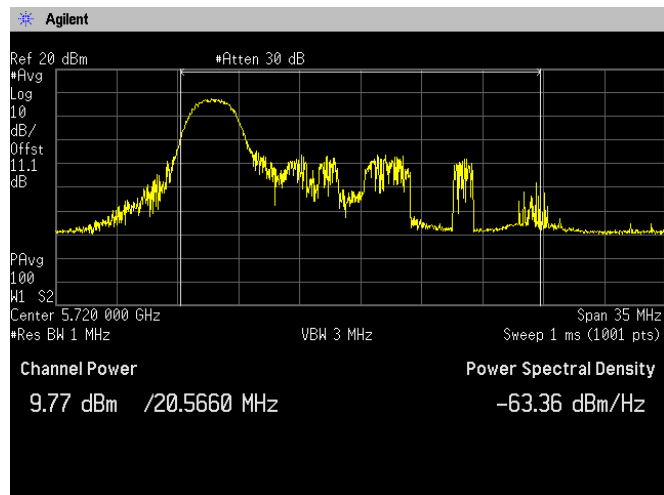
Channel: 116[Chain 1]



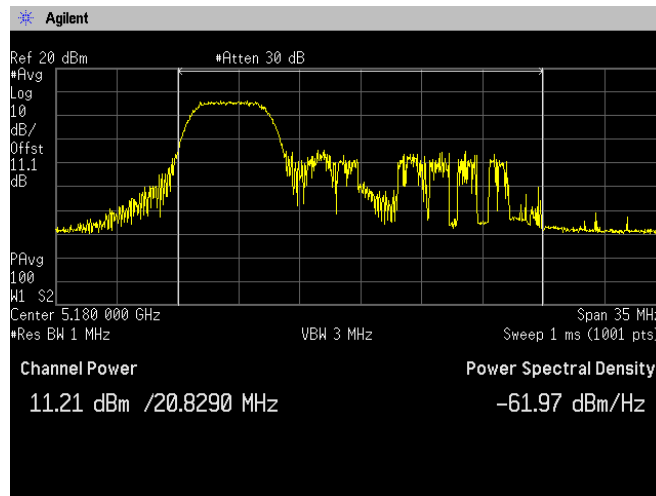
Channel: 140[Chain 1]



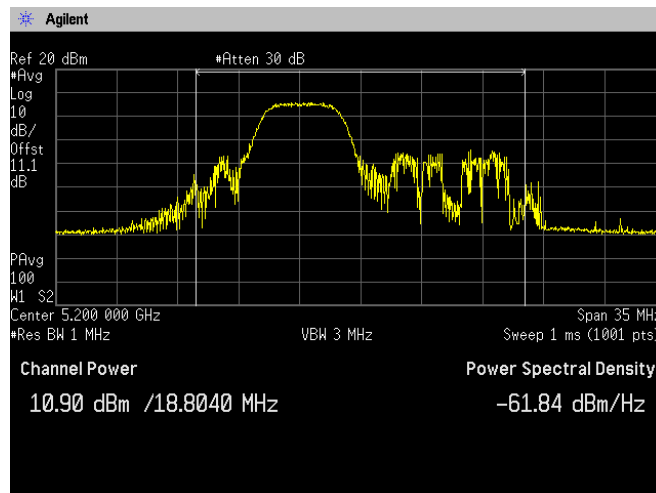
**(5.6 GHz Band)
Channel: 144[Chain 1]**



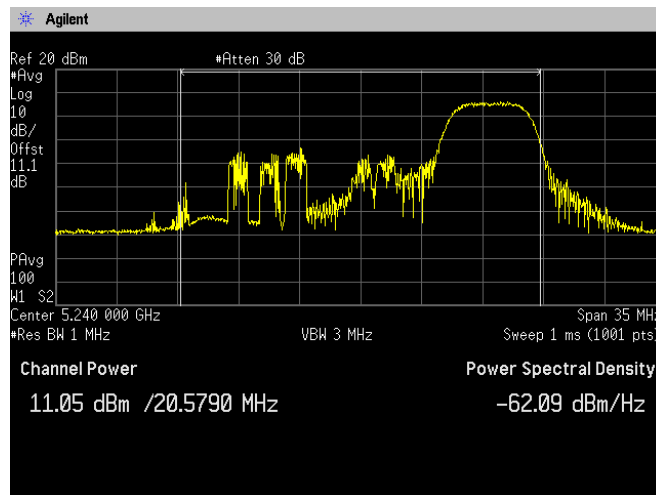
**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



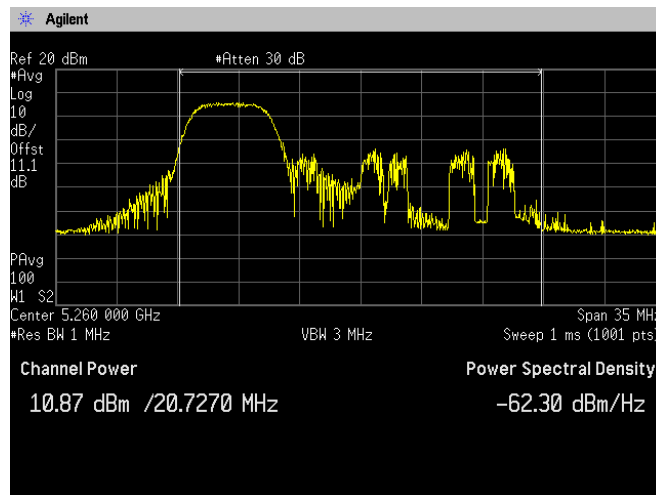
Channel: 40[Chain 1]



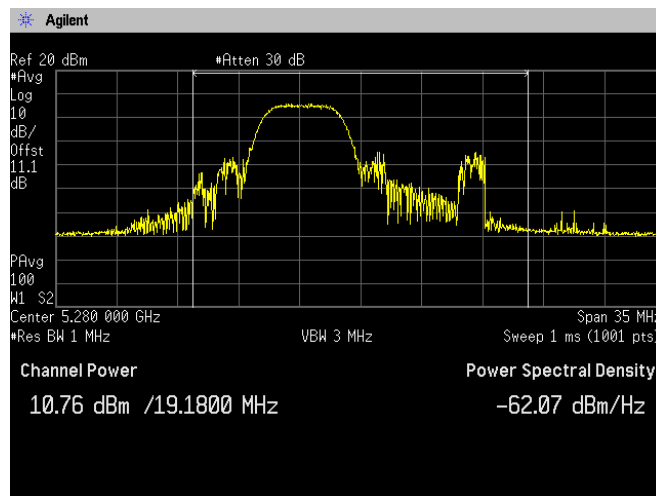
**(5.2 GHz Band)
Channel: 48[Chain 1]**



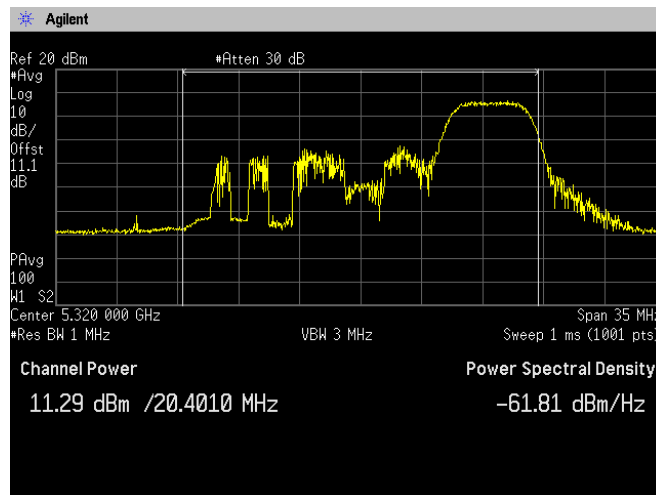
**(5.3 GHz Band)
Channel: 52[Chain 1]**



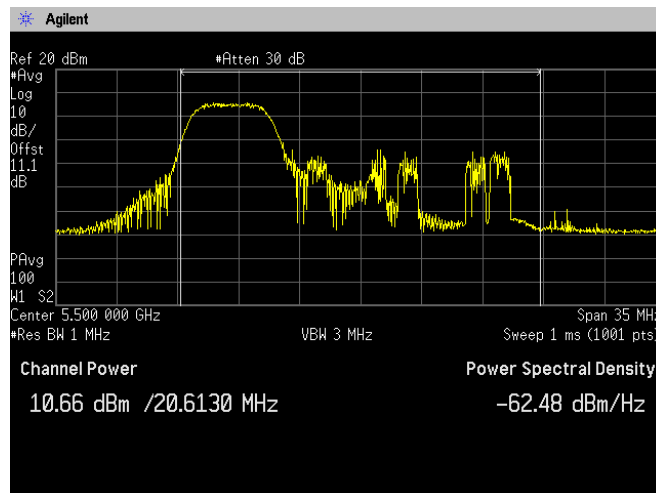
Channel: 56[Chain 1]



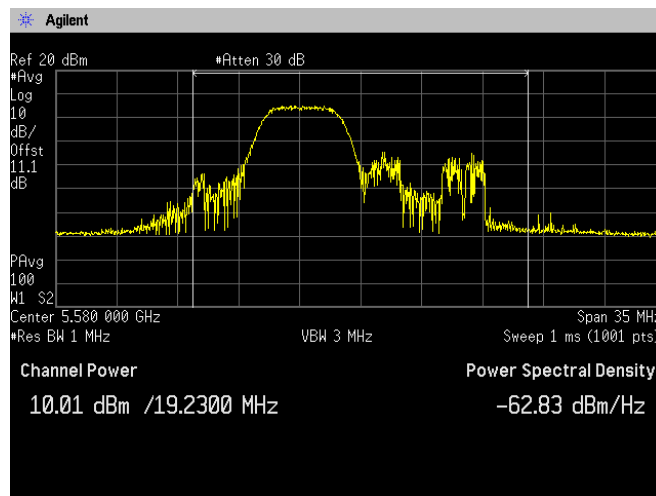
**(5.3 GHz Band)
Channel: 64[Chain 1]**



**(5.6 GHz Band)
Channel: 100[Chain 1]**

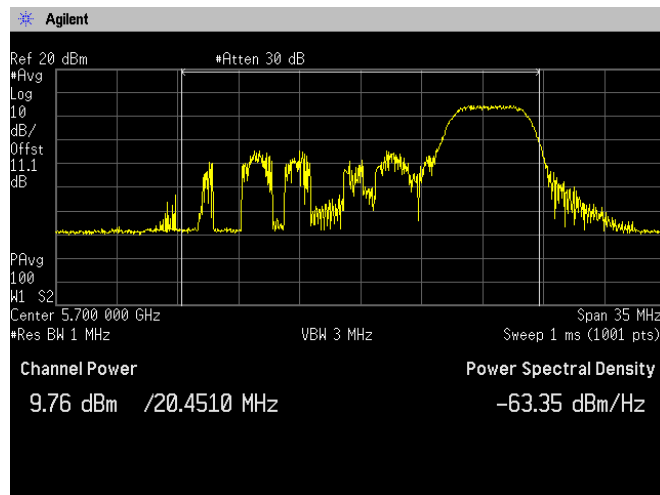


Channel: 116[Chain 1]

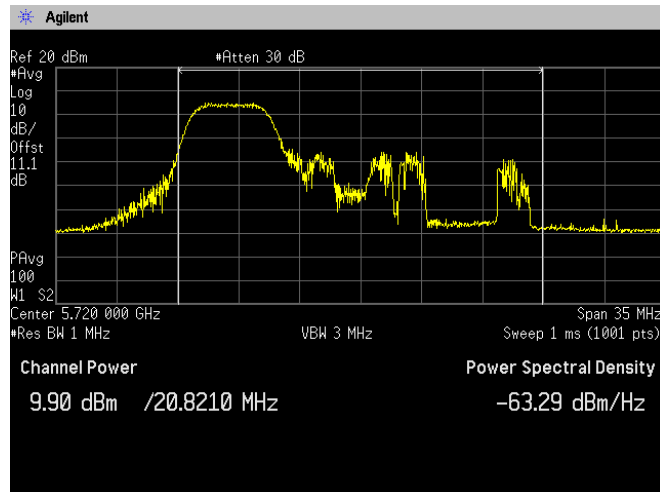




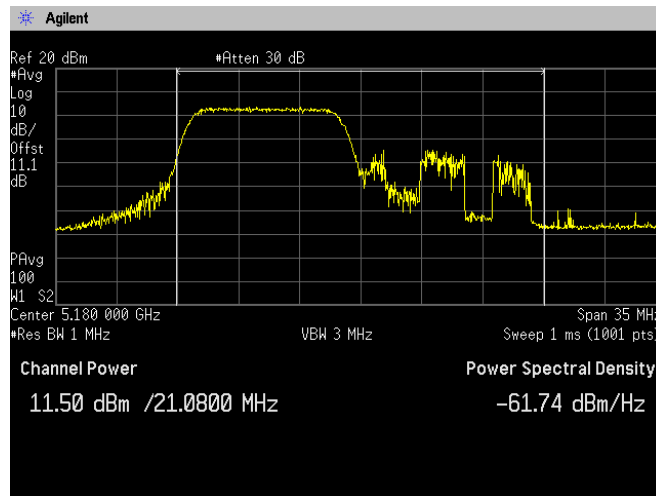
**(5.6 GHz Band)
Channel: 140[Chain 1]**



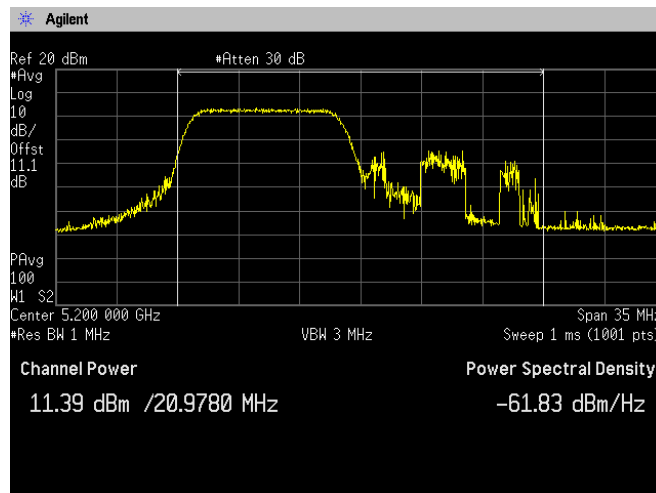
Channel: 144[Chain 1]



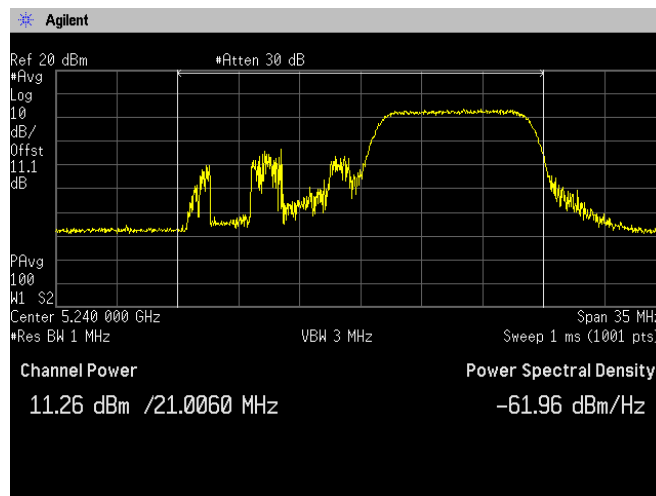
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



Channel: 40[Chain 1]

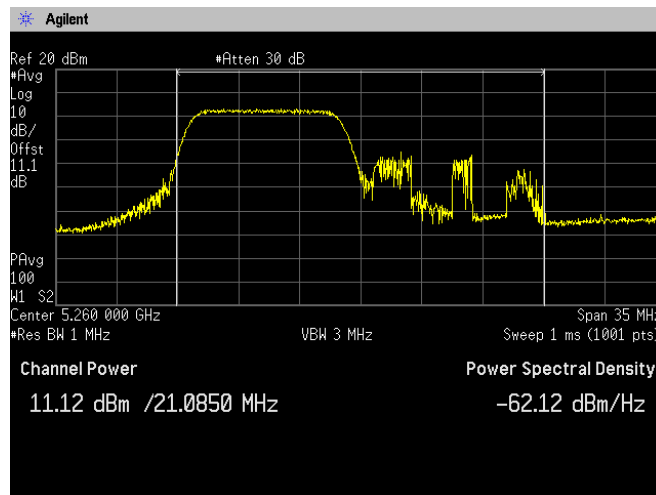


Channel: 48[Chain 1]

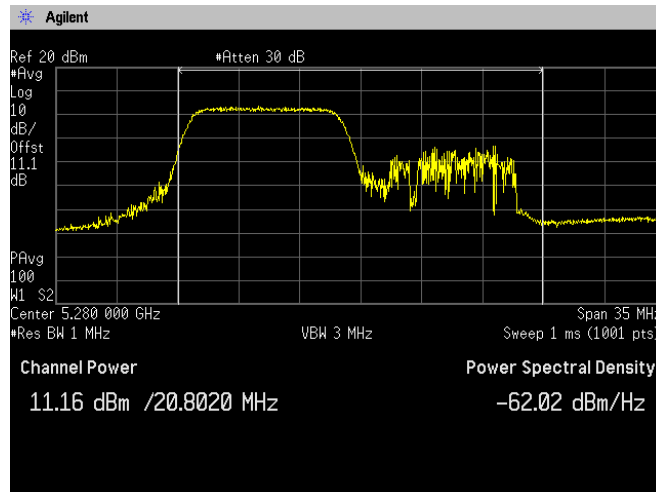




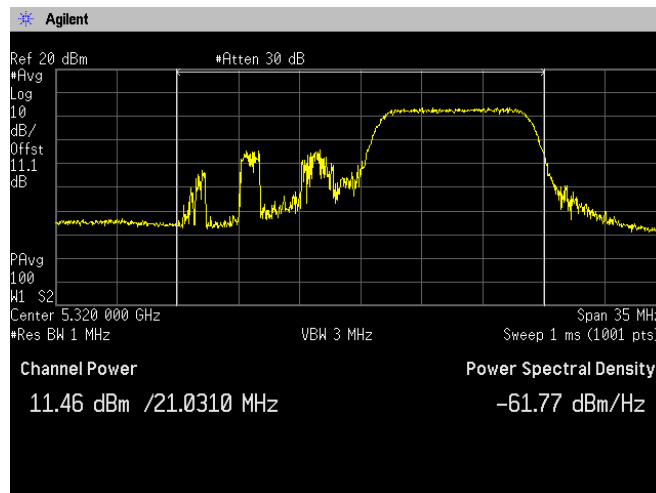
**(5.3 GHz Band)
Channel: 52[Chain 1]**



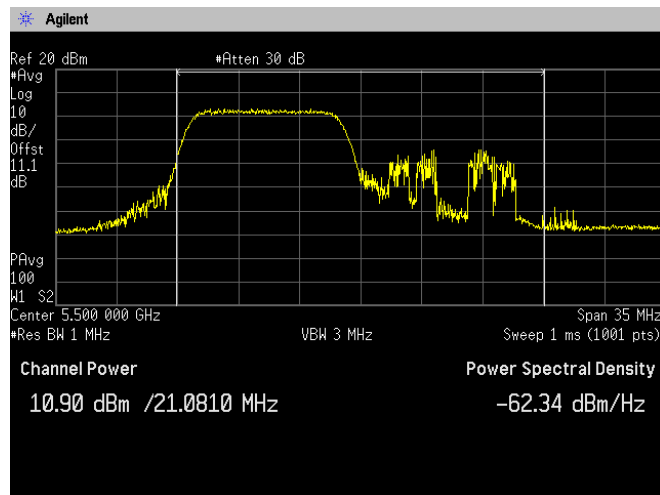
Channel: 56[Chain 1]



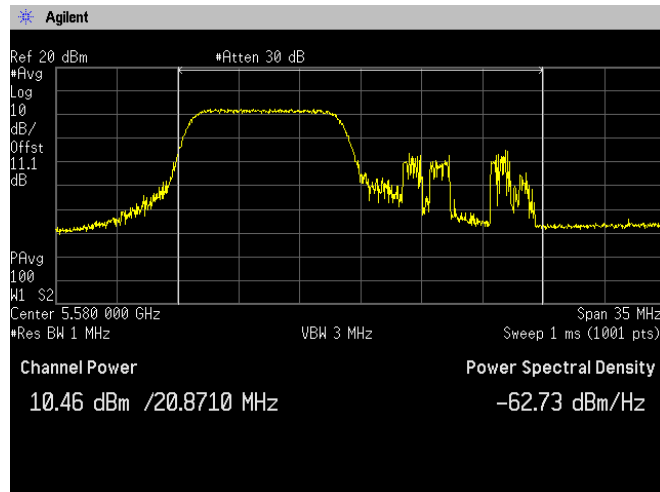
Channel: 64[Chain 1]



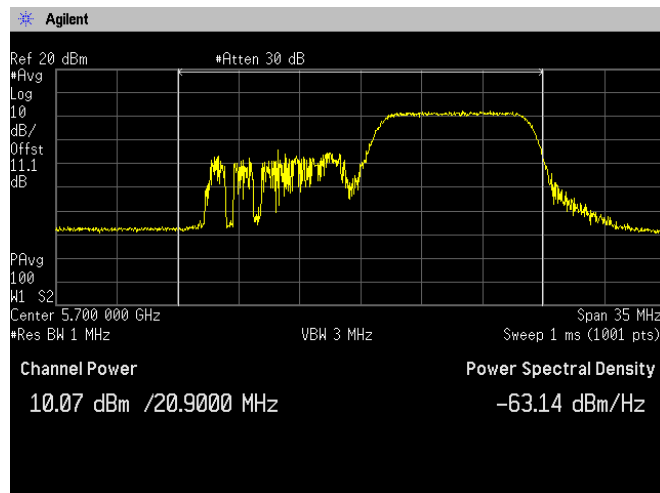
**(5.6 GHz Band)
Channel: 100[Chain 1]**



Channel: 116[Chain 1]



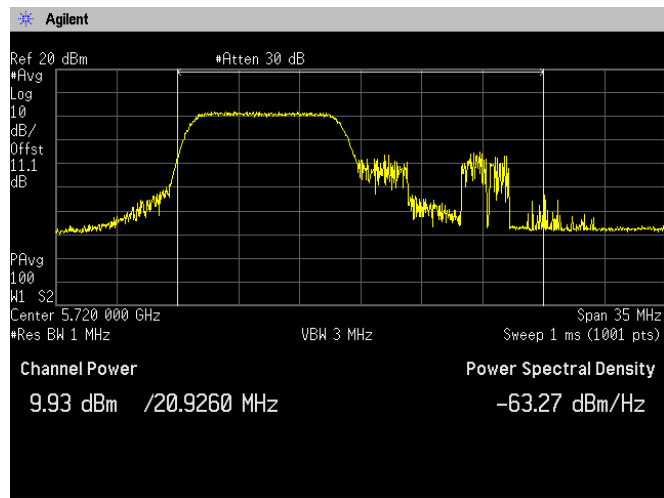
Channel: 140[Chain 1]





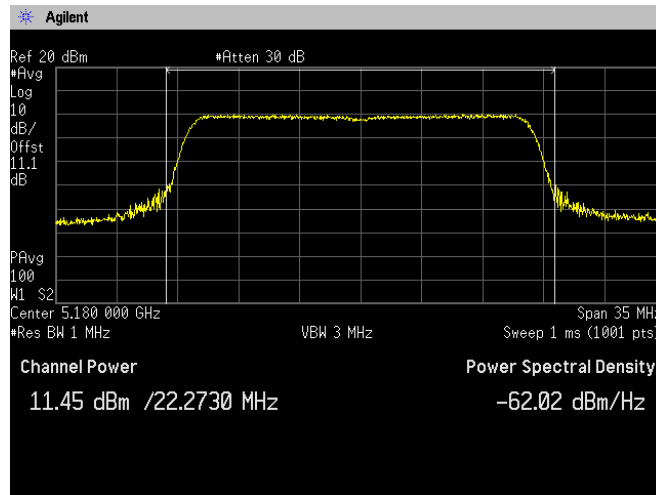
Japan

**(5.6 GHz Band)
Channel: 144[Chain 1]**

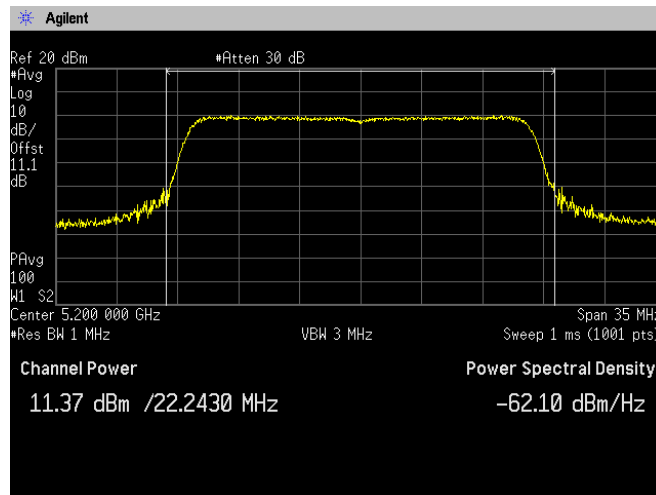




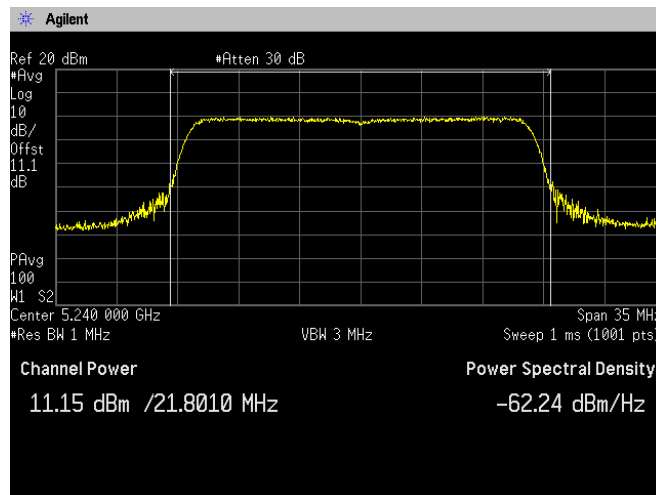
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 1]**



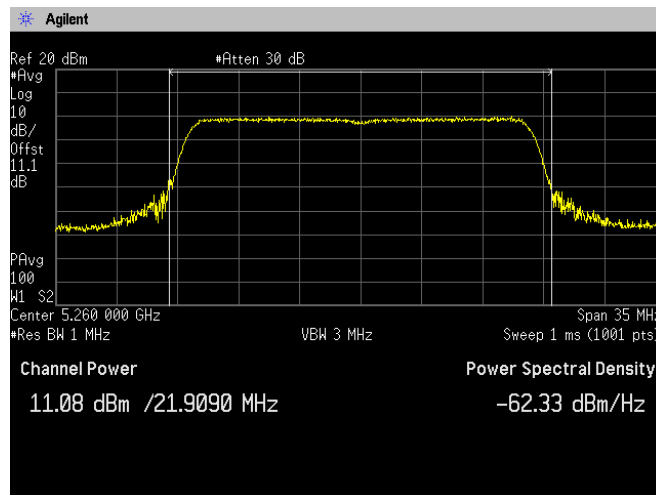
Channel: 40[Chain 1]



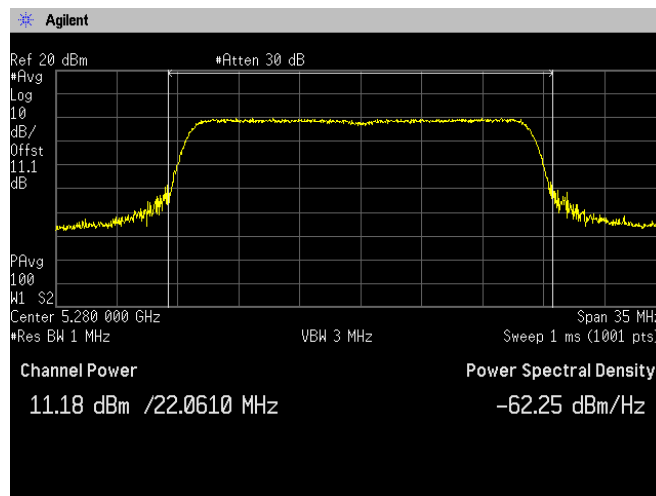
**(5.2 GHz Band)
Channel: 48[Chain 1]**



**(5.3 GHz Band)
Channel: 52[Chain 1]**

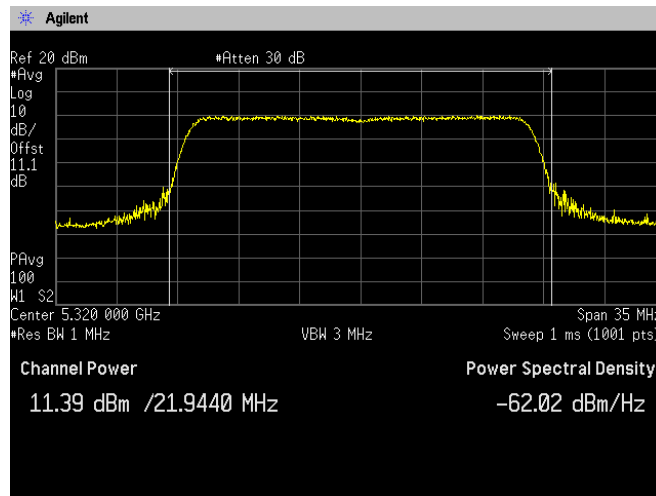


Channel: 56[Chain 1]

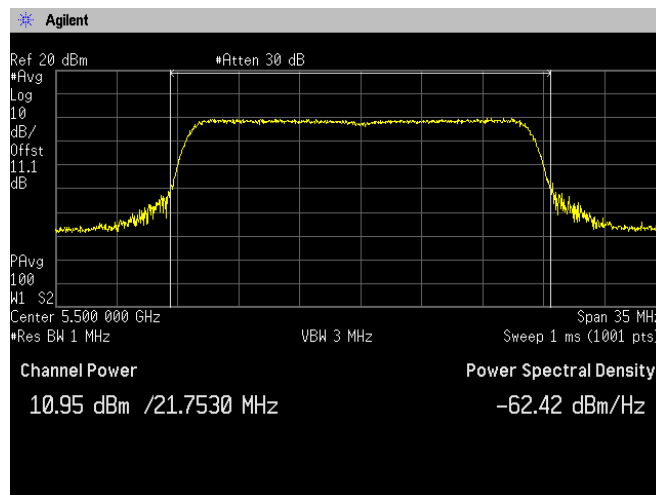




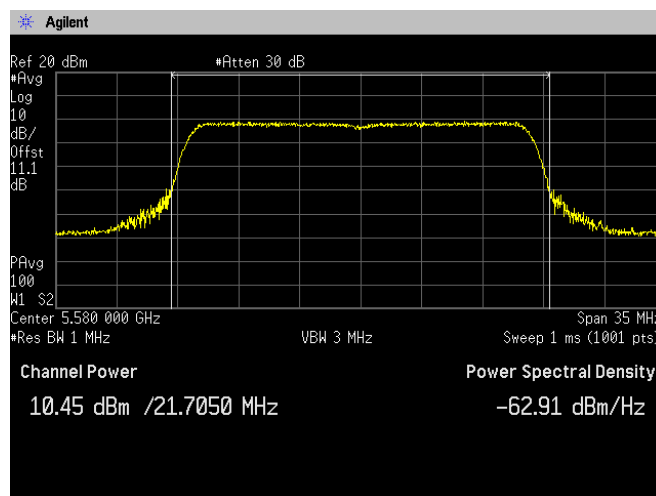
**(5.3 GHz Band)
Channel: 64[Chain 1]**



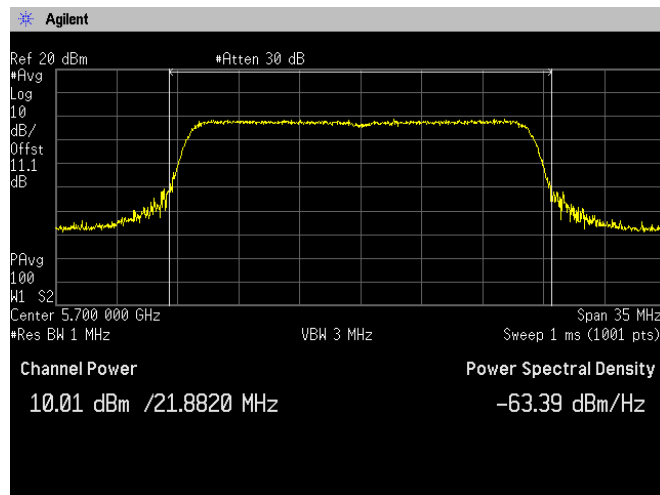
**(5.6 GHz Band)
Channel: 100[Chain 1]**



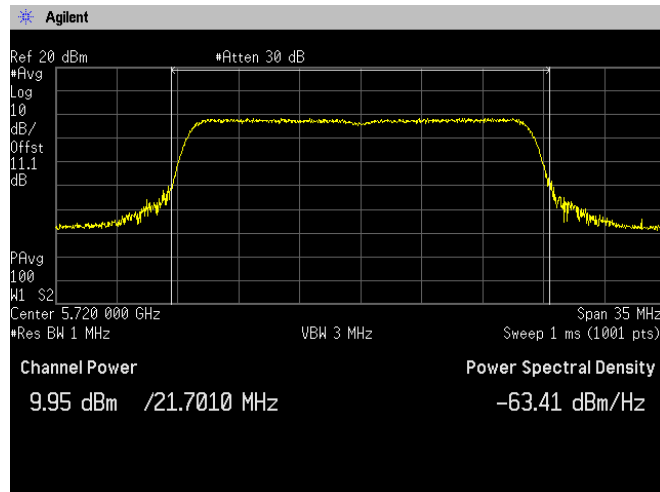
Channel: 116[Chain 1]



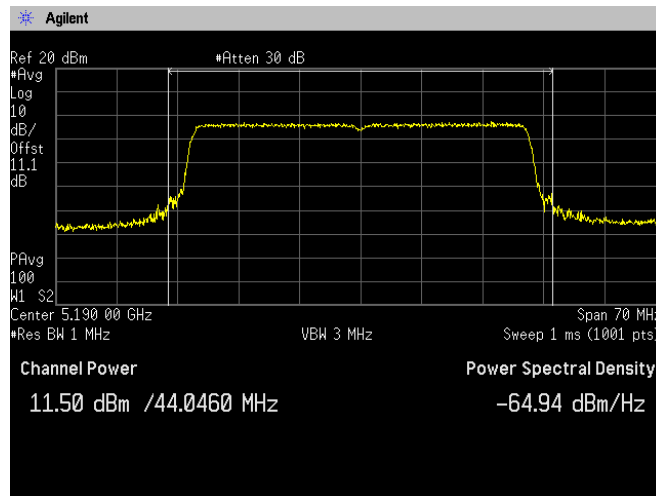
**(5.6 GHz Band)
Channel: 140[Chain 1]**



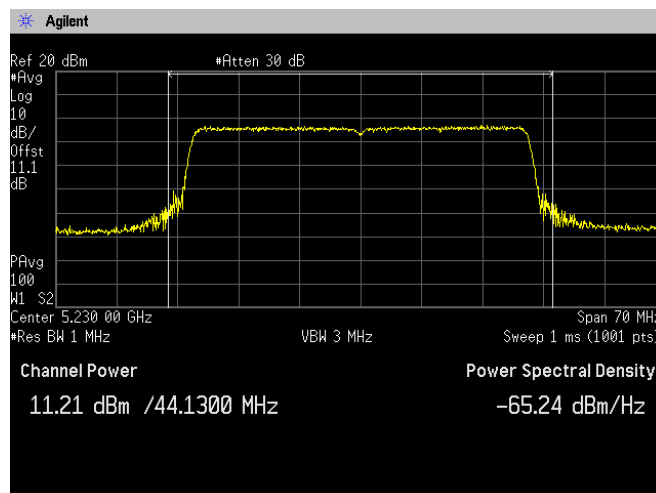
Channel: 144[Chain 1]



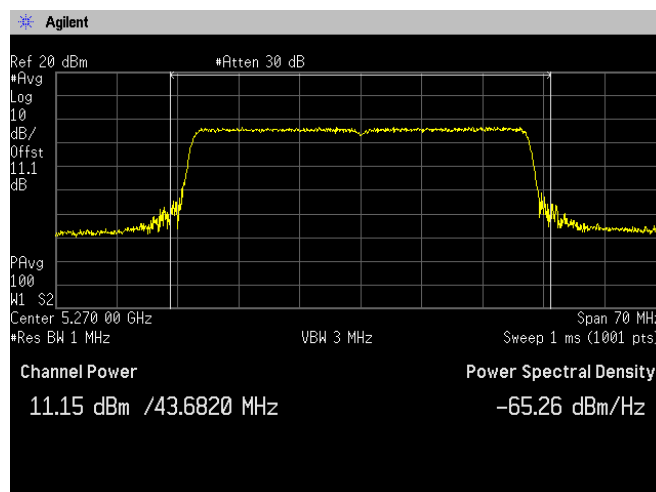
**[IEEE802.11ax_HE40_484-Tones]
(5.2 GHz Band)
Channel: 38[Chain 1]**



**(5.2 GHz Band)
Channel: 46[Chain 1]**

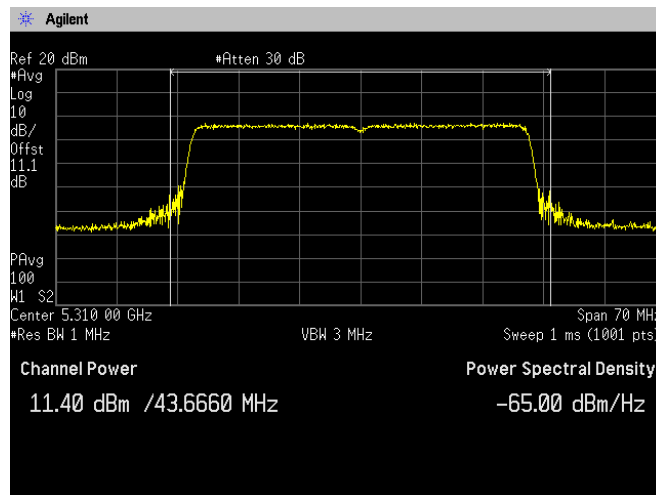


**(5.3 GHz Band)
Channel: 54[Chain 1]**

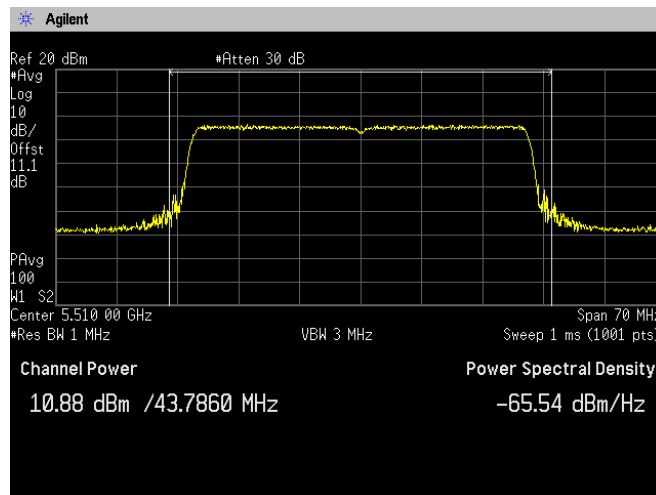




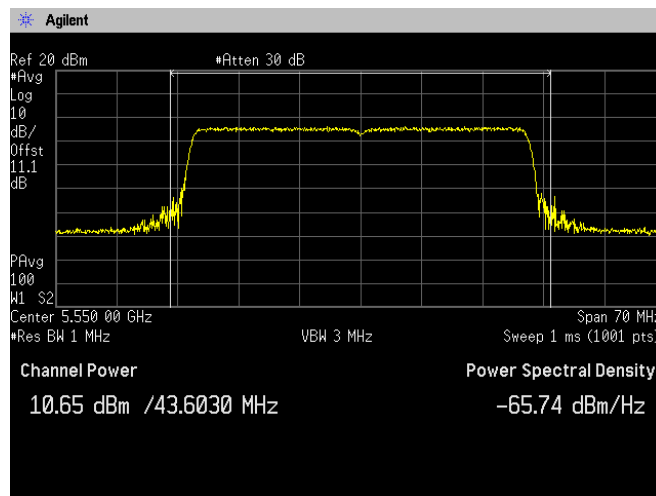
**(5.3 GHz Band)
Channel: 62[Chain 1]**



**(5.6 GHz Band)
Channel: 102[Chain 1]**

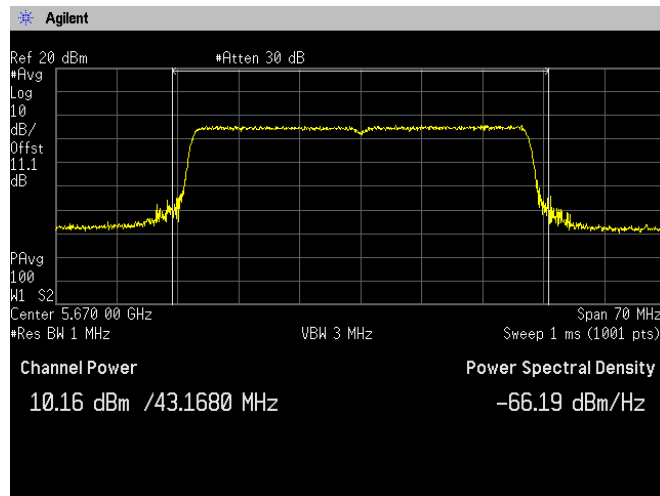


Channel: 110[Chain 1]

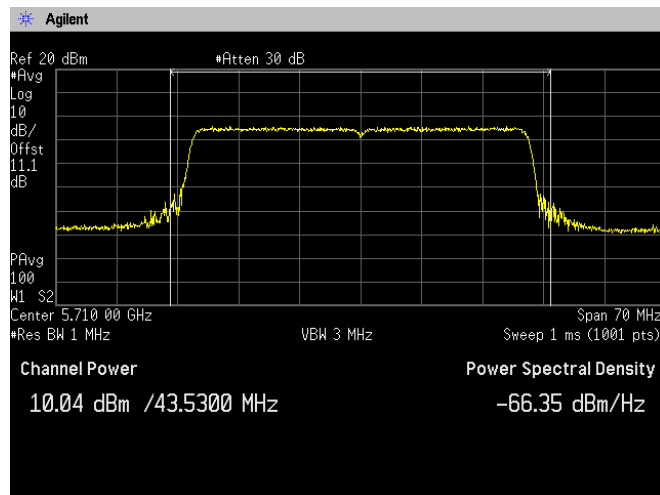




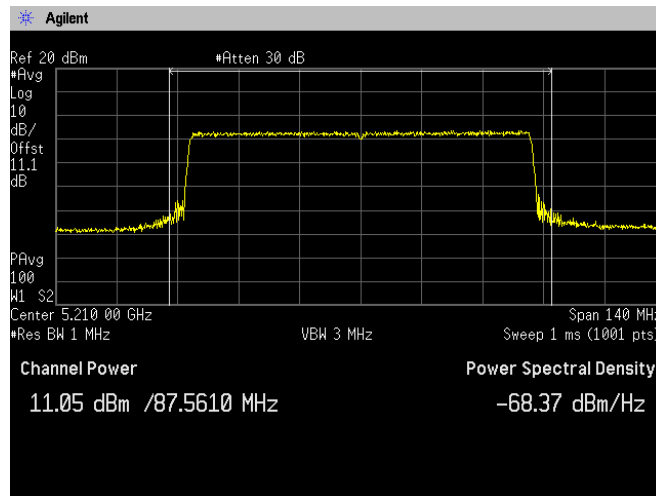
Channel: 134[Chain 1]



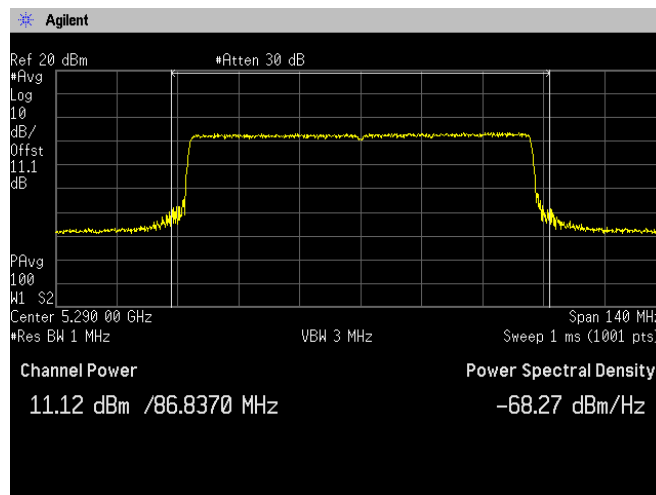
**(5.6 GHz Band)
Channel: 142[Chain 1]**



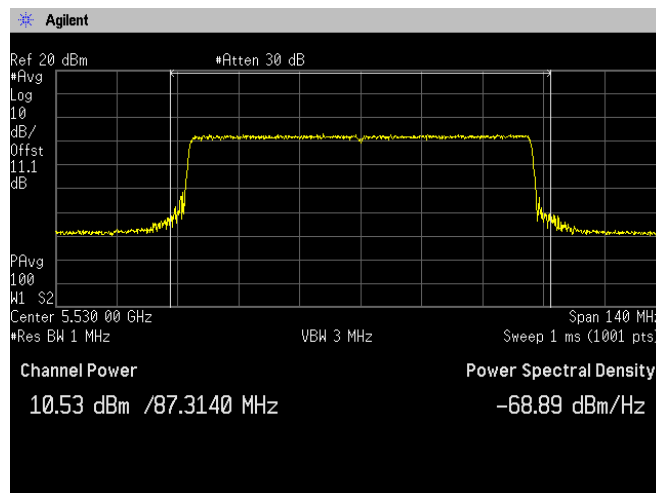
**[IEEE802.11ax_HE80_996-Tones]
(5.2 GHz Band)
Channel: 42[Chain 1]**



**(5.3GHz Band)
Channel: 58[Chain 1]**

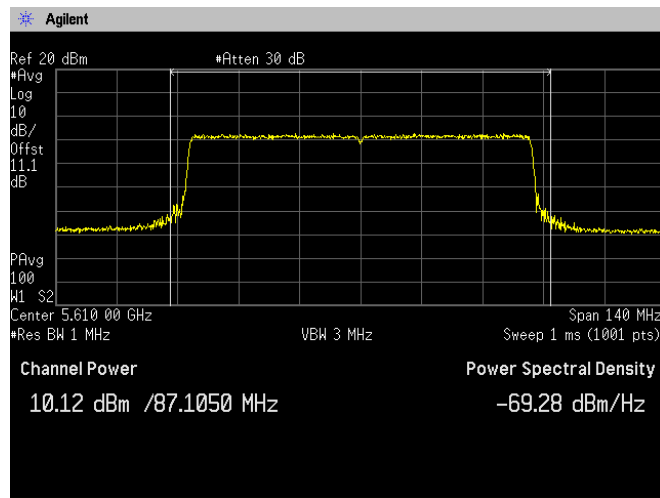


**(5.6 GHz Band)
Channel: 106[Chain 1]**





**(5.6 GHz Band)
Channel: 122[Chain 1]**



Channel: 138[Chain 1]

