

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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Document Number: JPD-TR-25114-0

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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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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).....	5
2.4	Operating channels and frequencies	6
2.5	Description of test mode	7
2.6	Operating flow	8
3	Configuration of Equipment.....	9
3.1	Equipment used	9
3.2	Cable(s) used	9
3.3	System configuration	9
4	Test Result	10
4.1	26dB Bandwidth and 99% Occupied Bandwidth.....	10
4.2	Maximum Conducted Output Power	59
4.3	Peak Power Spectral Density	117
4.4	Radiated Emissions (Restricted Bands of Operation).....	170
4.5	Frequency Stability.....	213
4.6	AC Power Line Conducted Emissions	217
4.7	Duty Cycle	222
5	Antenna requirement	233
6	Measurement uncertainty.....	234
7	Laboratory Information.....	236
	Appendix A. Test Equipment.....	236

1 Summary of Test

1.1 Modification history of the test report

Document Number	Modification History	Issue Date
JPD-TR-25114-0	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

7-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, 3533799800008909
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) 154 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	IEEE802.11ax (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, OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel separation	IEEE802.11ax (HE20): 20 MHz IEEE802.11ax (HE40): 40 MHz IEEE802.11ax (HE80): 80 MHz

Conducted power	18.762 mW (IEEE802.11ax: HE20) 18.654 mW (IEEE802.11ax: HE40) 19.516 mW (IEEE802.11ax: HE80)
Antenna type	Internal antenna
Antenna gain	[ANT3] 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 [ANT5] 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

[IEEE802.11ax (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, OFDMA	MCS0
5.3 GHz Band	IEEE802.11ax: OFDM, OFDMA	MCS0
5.6 GHz Band	IEEE802.11ax: OFDM, OFDMA	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 Y-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.

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	*

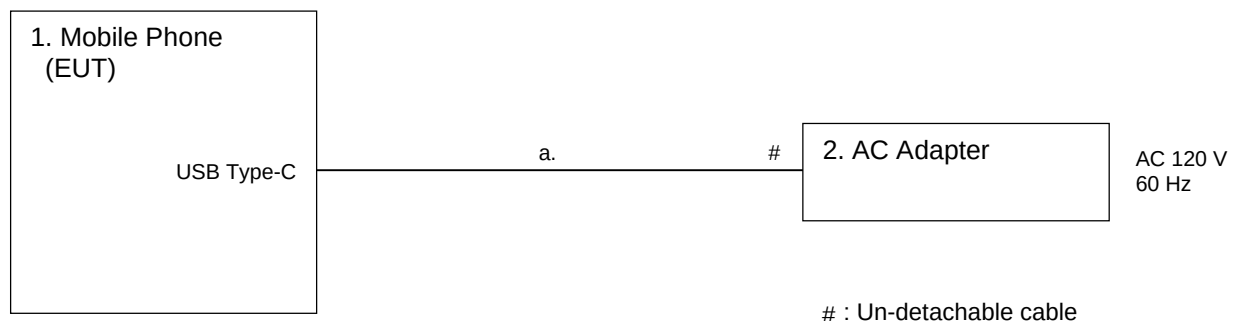
*: AC power line Conducted Emission Test.

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=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

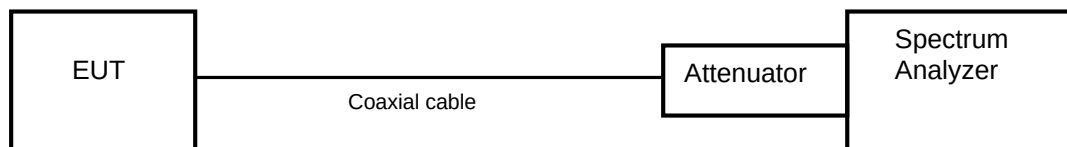
The EUT was set to operate with following conditions.

- 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	: 8-December-2025	Test engineer	:	<u>Kazunori Saito</u>
Temperature	: 19.4 [°C]			
Humidity	: 46.1 [%]			
Test place	: Shielded room No.4			
Date	: 9-December-2025	Test engineer	:	<u>Kazunori Saito</u>
Temperature	: 18.6 [°C]			
Humidity	: 48.6 [%]			
Test place	: Shielded room No.4			
Date	: 10-December-2025	Test engineer	:	<u>Kazunori Saito</u>
Temperature	: 19.7 [°C]			
Humidity	: 45.8 [%]			
Test place	: Shielded room No.4			

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 26-Tones	5.2GHz Band	36	5180	18.5814	20.460
		40	5200	17.3427	18.501
		48	5240	18.5015	20.100
	5.3GHz Band	52	5260	18.7413	20.619
		56	5280	17.3027	18.701
		64	5320	18.5015	20.060
	5.6GHz Band	100	5500	18.7413	20.420
		116	5580	17.2627	18.621
		140	5700	18.5415	20.260
		144	5720	18.5015	20.659

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 52-Tones	5.2GHz Band	36	5180	18.3816	21.139
		40	5200	17.3427	19.381
		48	5240	18.3816	20.300
	5.3GHz Band	52	5260	18.3816	20.899
		56	5280	17.3027	19.381
		64	5320	18.3417	20.739
	5.6GHz Band	100	5500	18.3816	21.379
		116	5580	17.1429	19.021
		140	5700	18.3017	20.779
		144	5720	18.4216	21.059

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 106-Tones	5.2GHz Band	36	5180	18.3816	21.419
		40	5200	18.3816	21.419
		48	5240	18.3017	20.739
	5.3GHz Band	52	5260	18.3417	21.259
		56	5280	18.2617	21.179
		64	5320	18.3816	20.659
	5.6GHz Band	100	5500	18.3417	21.339
		116	5580	18.3816	21.379
		140	5700	18.3417	20.939
		144	5720	18.3417	21.339

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 242-Tones	5.2GHz Band	36	5180	19.1009	22.098
		40	5200	19.1009	22.218
		48	5240	19.1009	22.218
	5.3GHz Band	52	5260	19.2208	22.418
		56	5280	19.1409	22.338
		64	5320	19.1409	22.258
	5.6GHz Band	100	5500	19.1409	22.298
		116	5580	19.1409	22.298
		140	5700	19.1409	22.338
		144	5720	19.1009	22.418

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE40 484-Tones	5.2GHz Band	38	5190	37.9620	42.038
		46	5230	38.0420	42.517
	5.3GHz Band	54	5270	37.9620	42.038
		62	5310	37.9620	42.358
	5.6GHz Band	102	5510	38.0420	42.358
		110	5550	38.0420	42.517
		134	5670	37.9620	42.438
		142	5710	38.0420	42.917

[Chain 0]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE80 996-Tones	5.2GHz Band	42	5210	77.6823	87.590
	5.3GHz Band	58	5290	77.8422	87.430
	5.6GHz Band	106	5530	77.5225	88.550
		122	5610	77.6823	87.430
		138	5690	77.6823	87.750

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 26-Tones	5.2GHz Band	36	5180	18.6214	20.539
		40	5200	17.1828	18.741
		48	5240	18.5015	20.260
	5.3GHz Band	52	5260	18.7413	20.500
		56	5280	17.3826	18.701
		64	5320	18.4216	20.460
	5.6GHz Band	100	5500	18.6613	20.340
		116	5580	17.3027	18.581
		140	5700	18.3816	20.340
		144	5720	18.7013	20.380

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 52-Tones	5.2GHz Band	36	5180	18.3417	21.019
		40	5200	17.3027	19.261
		48	5240	18.4216	20.859
	5.3GHz Band	52	5260	18.3017	20.979
		56	5280	17.2228	19.301
		64	5320	18.3417	20.739
	5.6GHz Band	100	5500	18.4216	21.379
		116	5580	17.2627	18.701
		140	5700	18.3417	20.859
		144	5720	18.4216	21.299

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 106-Tones	5.2GHz Band	36	5180	18.3816	21.219
		40	5200	18.3816	21.219
		48	5240	18.3816	20.699
	5.3GHz Band	52	5260	18.3017	21.219
		56	5280	18.3816	21.379
		64	5320	18.3417	20.699
	5.6GHz Band	100	5500	18.3816	21.419
		116	5580	18.3816	21.459
		140	5700	18.3417	21.019
		144	5720	18.3417	21.219

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE20 242-Tones	5.2GHz Band	36	5180	19.1009	22.378
		40	5200	19.1409	22.338
		48	5240	19.1409	22.218
	5.3GHz Band	52	5260	19.1409	22.298
		56	5280	19.1409	22.338
		64	5320	19.1409	22.338
	5.6GHz Band	100	5500	19.1409	22.178
		116	5580	19.1409	22.338
		140	5700	19.1409	22.418
		144	5720	19.1409	22.218

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE40 484-Tones	5.2GHz Band	38	5190	38.0420	42.837
		46	5230	38.0420	42.278
	5.3GHz Band	54	5270	38.0420	42.837
		62	5310	37.9620	42.677
	5.6GHz Band	102	5510	37.9620	42.278
		110	5550	38.0420	42.278
		134	5670	37.9620	42.278
		142	5710	38.0420	42.517

[Chain 1]

Mode	Band	Channel	Frequency (MHz)	99% Occupied bandwidth (MHz)	26dB bandwidth (MHz)
802.11ax HE80 996-Tones	5.2GHz Band	42	5210	77.6823	88.070
	5.3GHz Band	58	5290	77.6823	86.150
	5.6GHz Band	106	5530	77.6823	85.990
		122	5610	77.8422	89.190
		138	5690	77.6823	88.230

4.1.4 Trace data

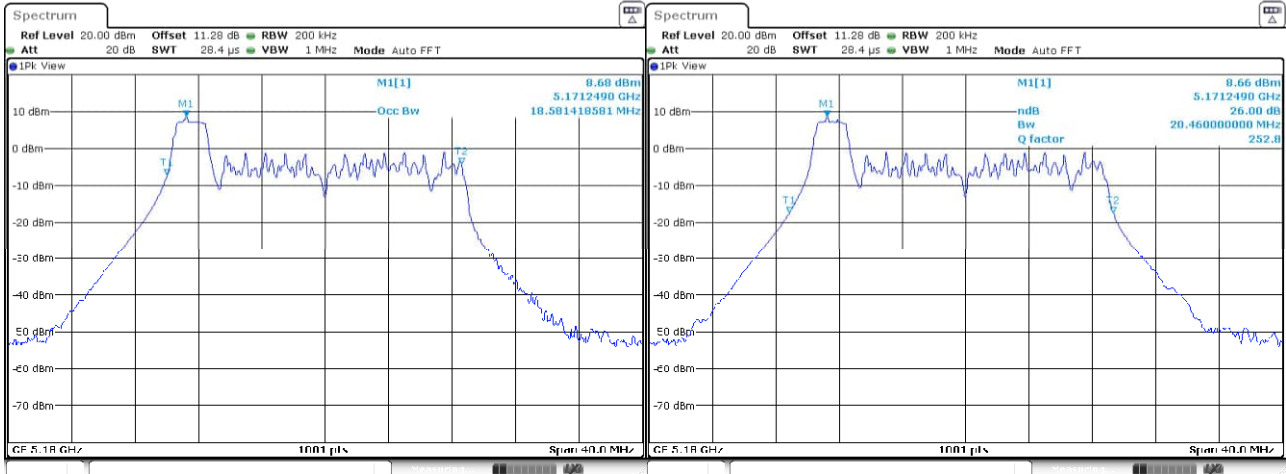
[IEEE802.11ax_HE20_26-Tones]

(5.2 GHz Band)

Channel: 36[Chain 0]

99% Occupied Bandwidth

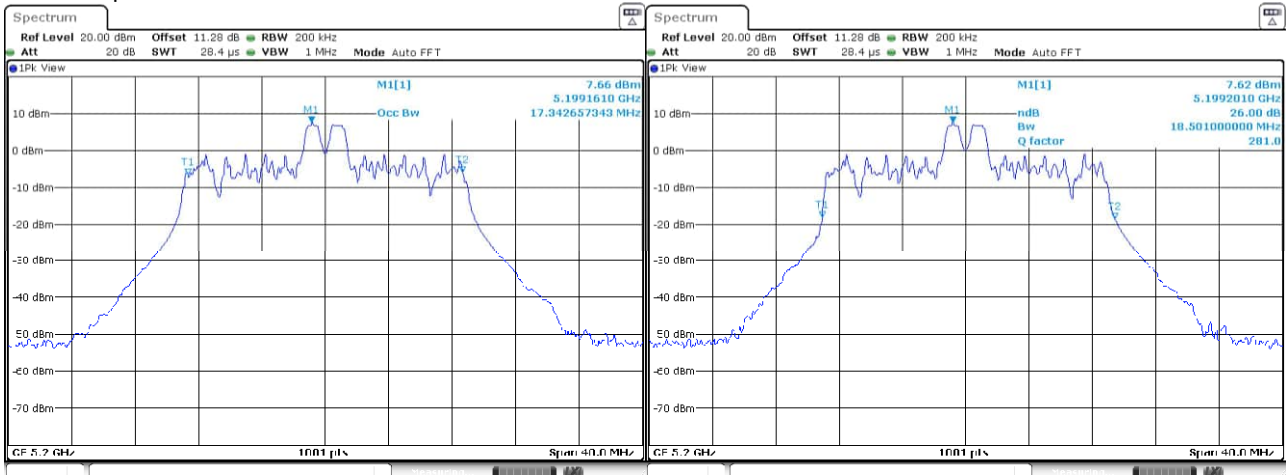
26dB Bandwidth



Channel: 40[Chain 0]

99% Occupied Bandwidth

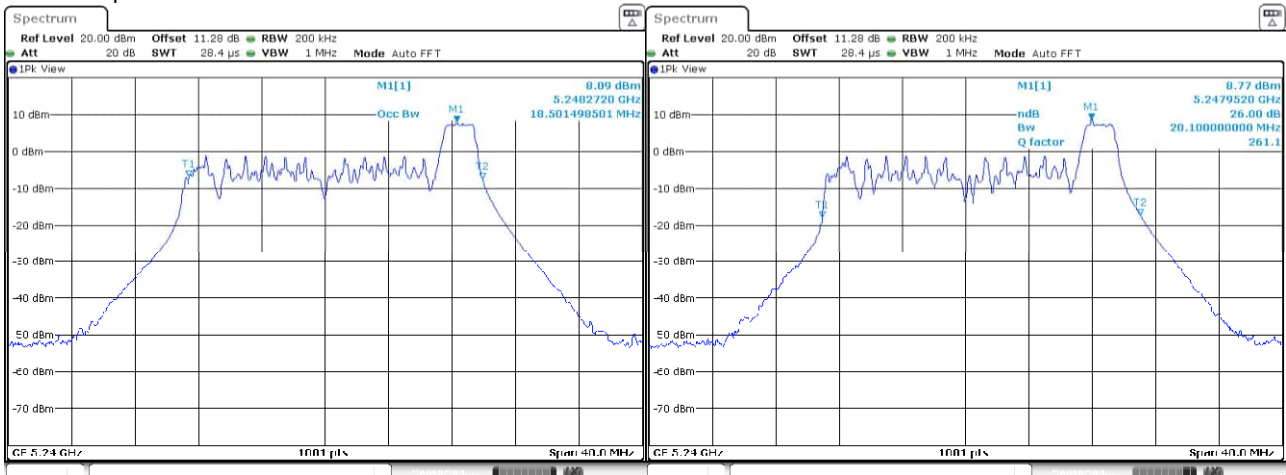
26dB Bandwidth



Channel: 48[Chain 0]

99% Occupied Bandwidth

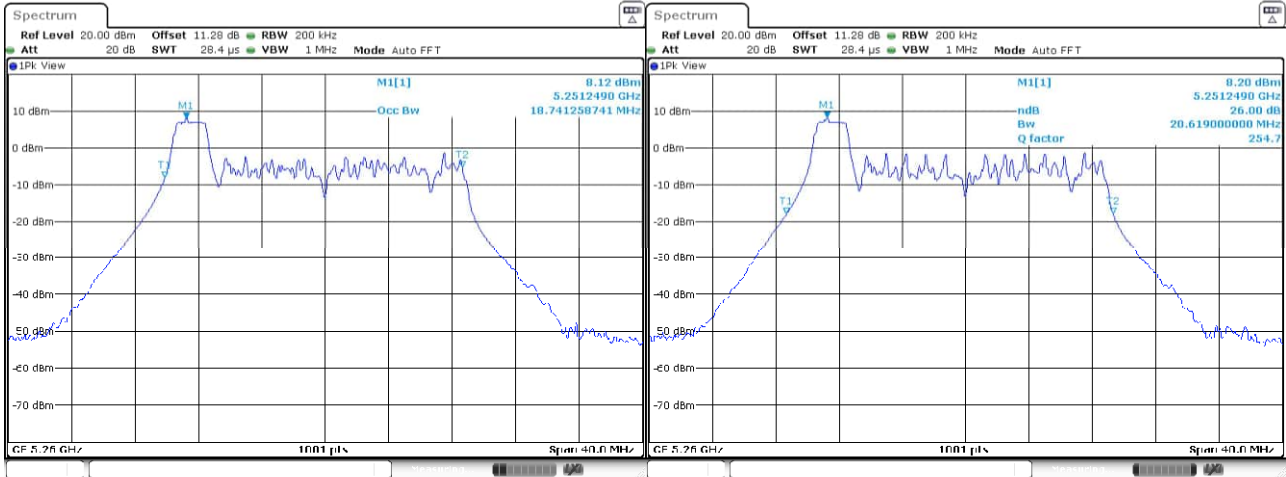
26dB Bandwidth



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

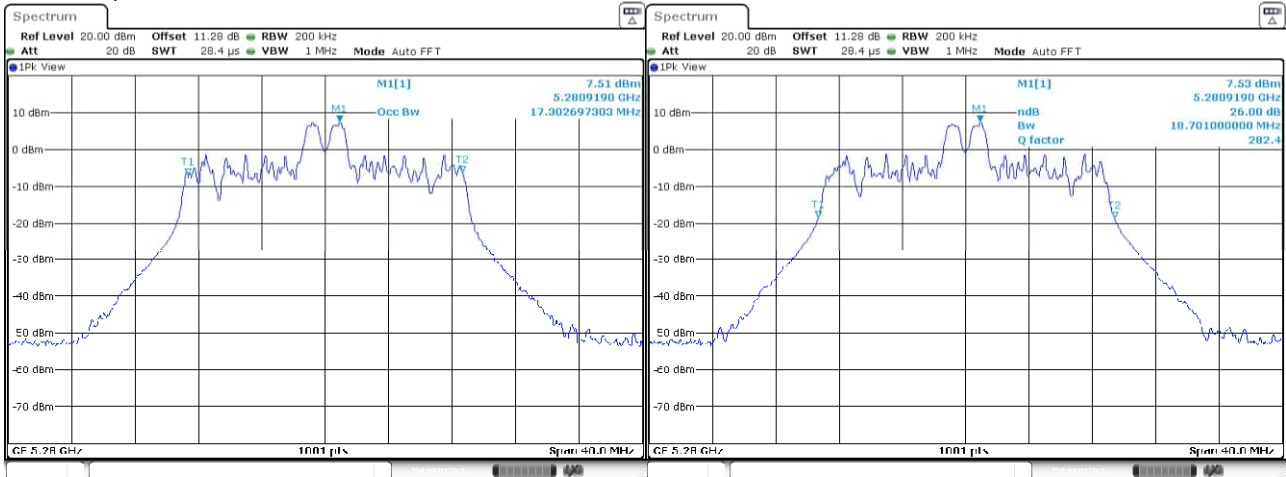
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 56[Chain 0]**

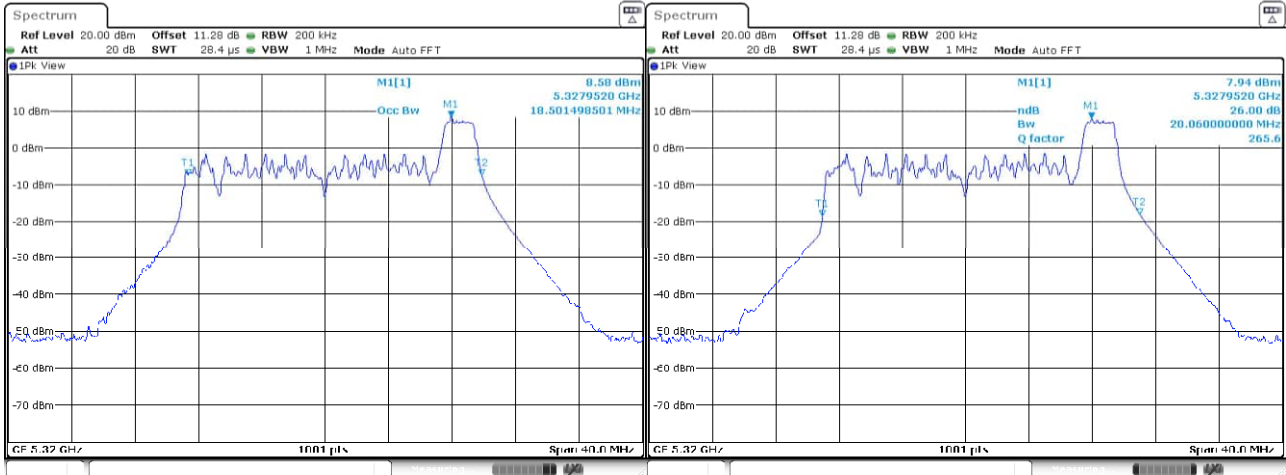
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 64[Chain 0]**

99% Occupied Bandwidth

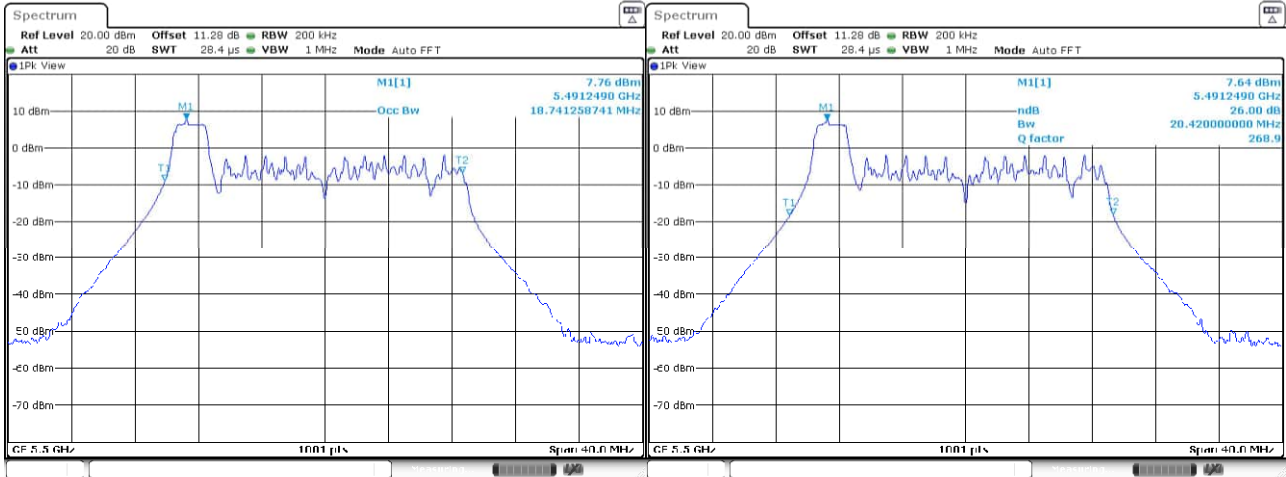
26dB Bandwidth



(5.6 GHz Band)

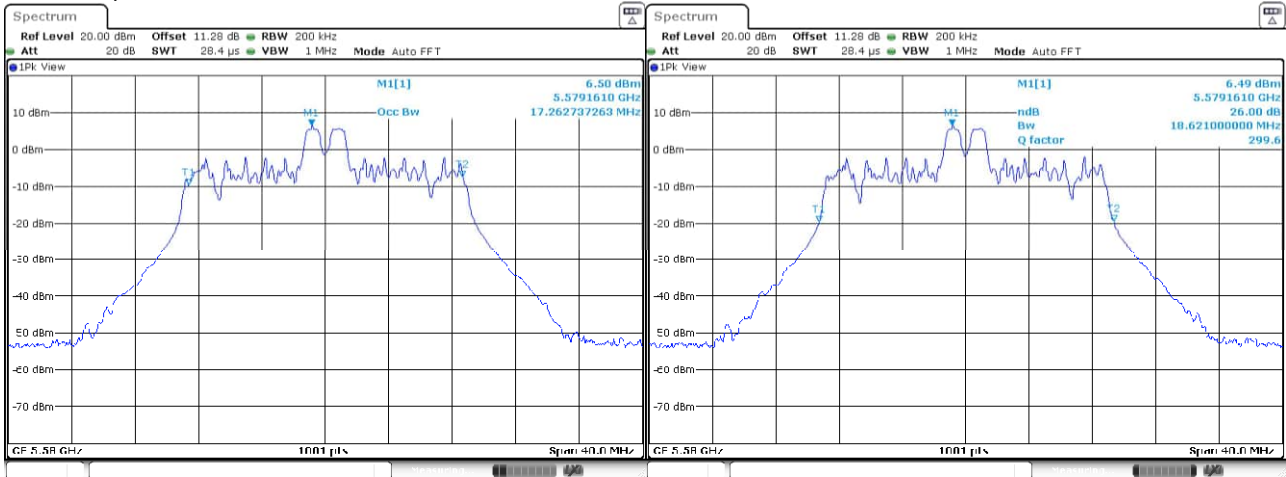
Channel: 100[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



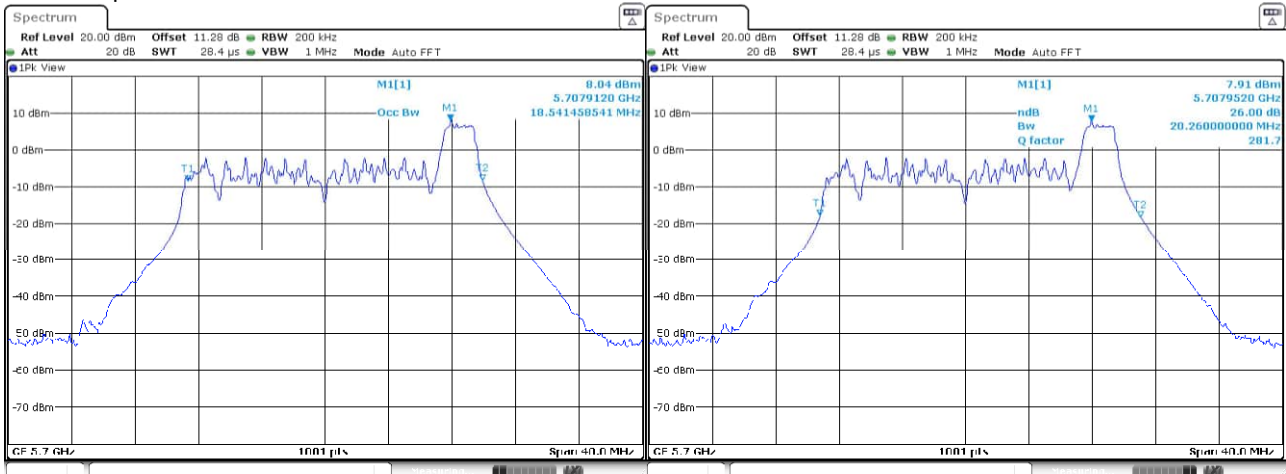
Channel: 116[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



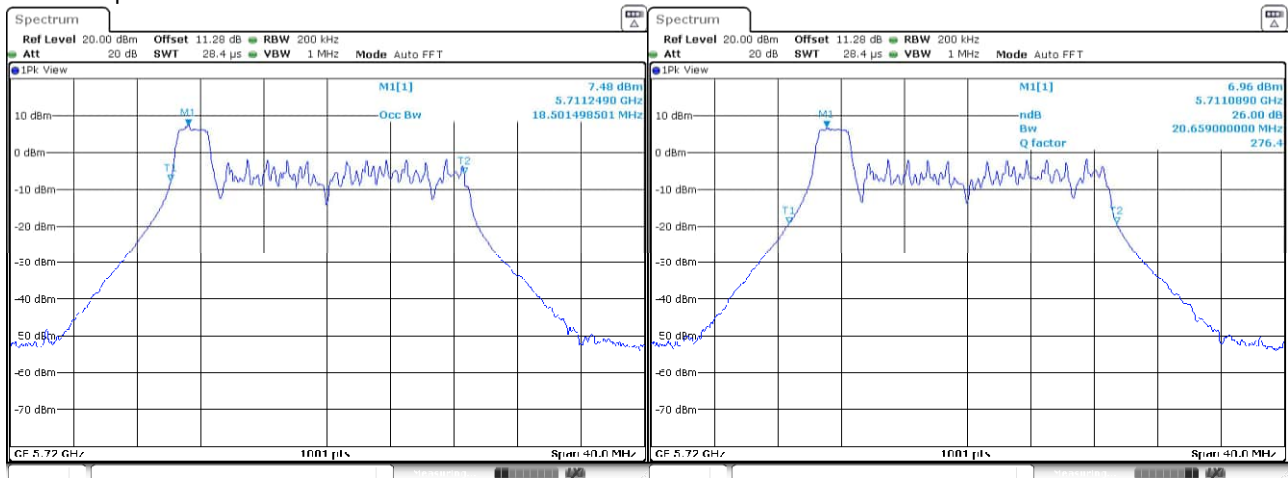
Channel: 140[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 144[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth

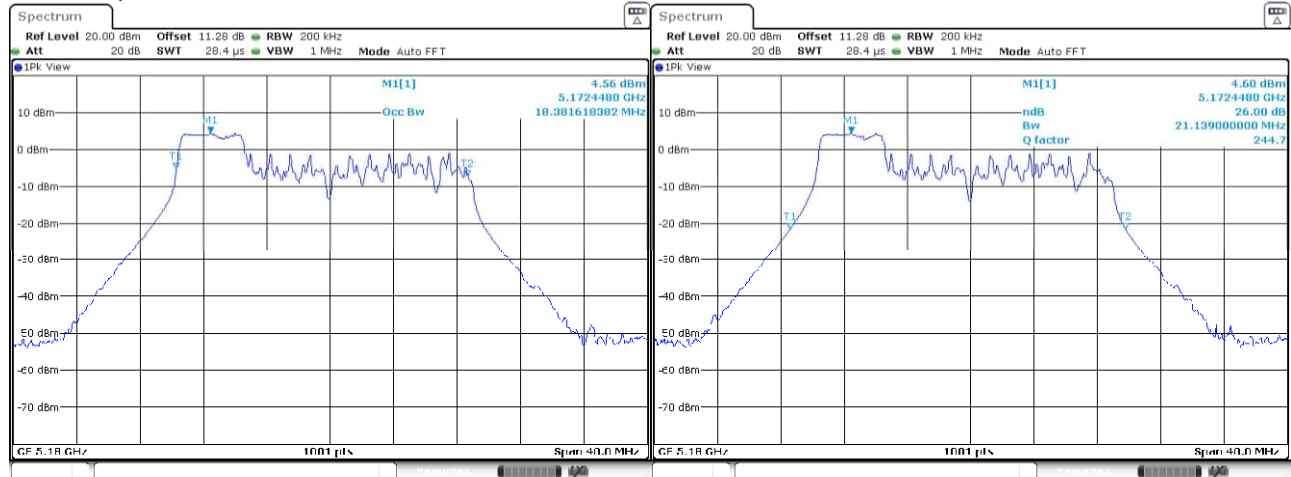


**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)**

Channel: 36[Chain 0]

99% Occupied Bandwidth

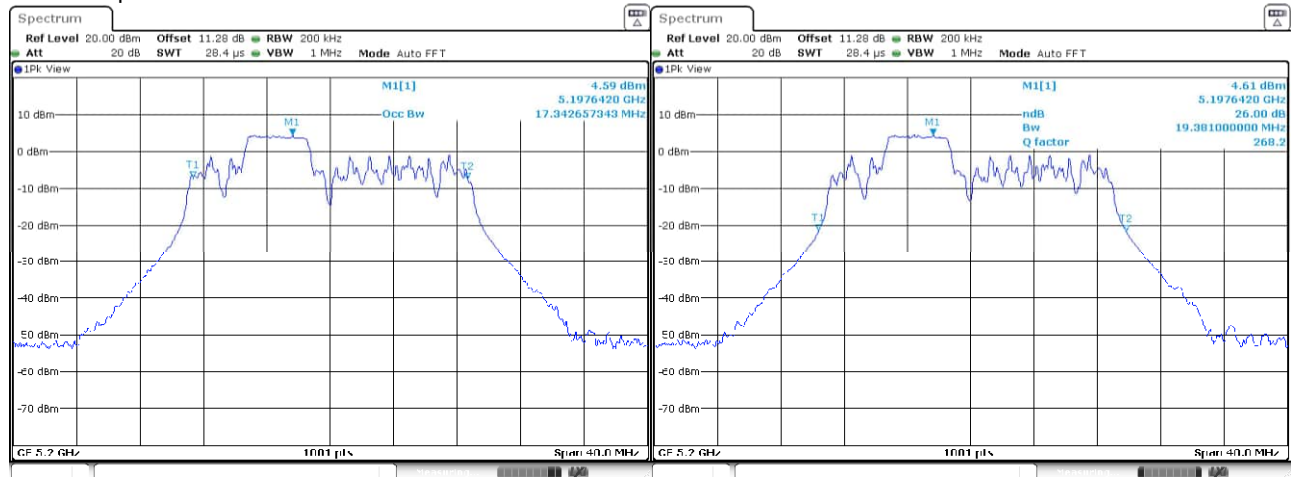
26dB Bandwidth



Channel: 40[Chain 0]

99% Occupied Bandwidth

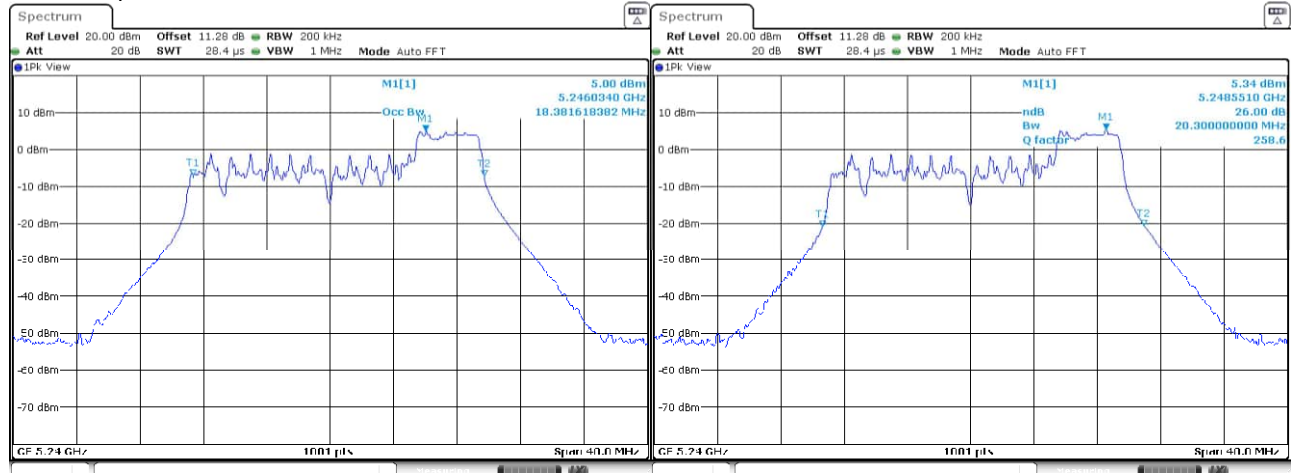
26dB Bandwidth



Channel: 48[Chain 0]

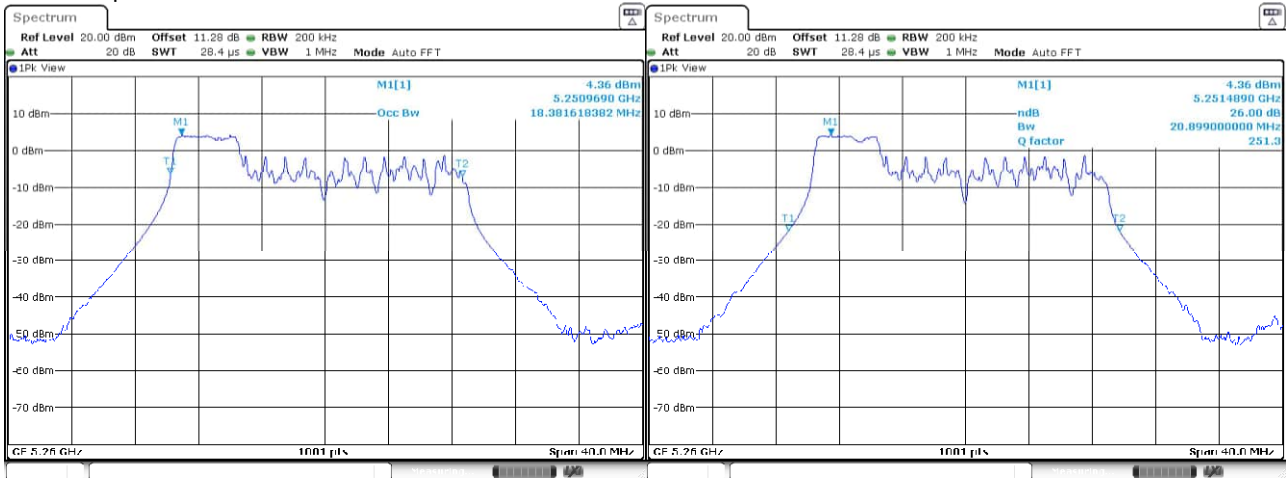
99% Occupied Bandwidth

26dB Bandwidth



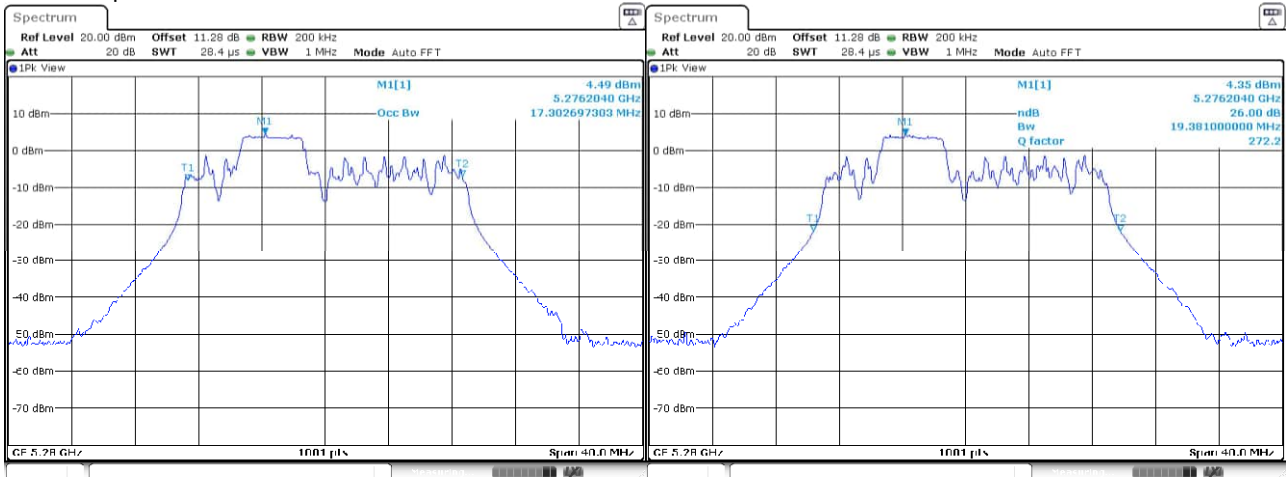
(5.3 GHz Band)
Channel: 52[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



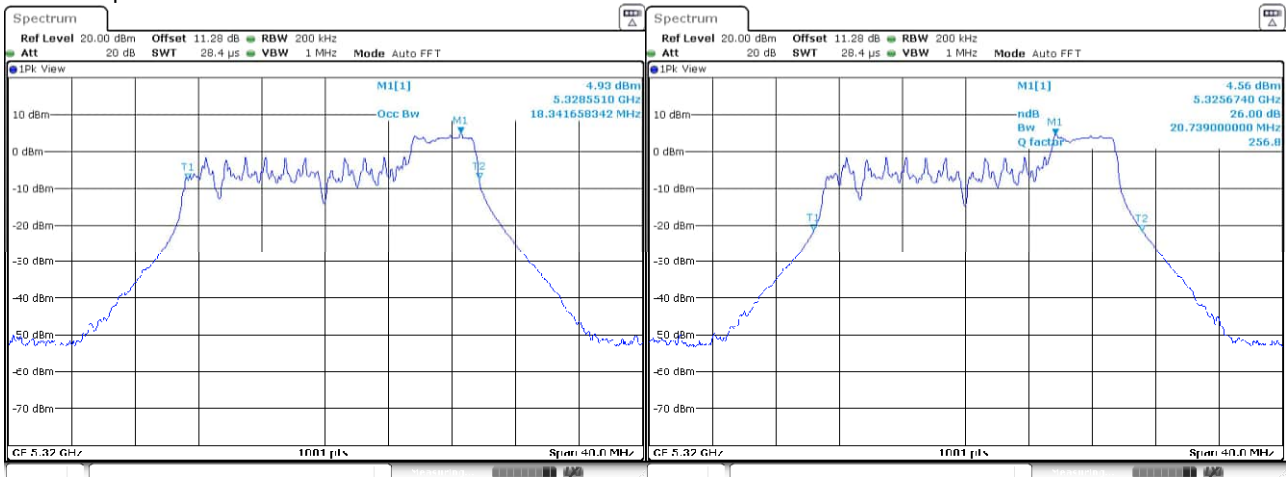
Channel: 56[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



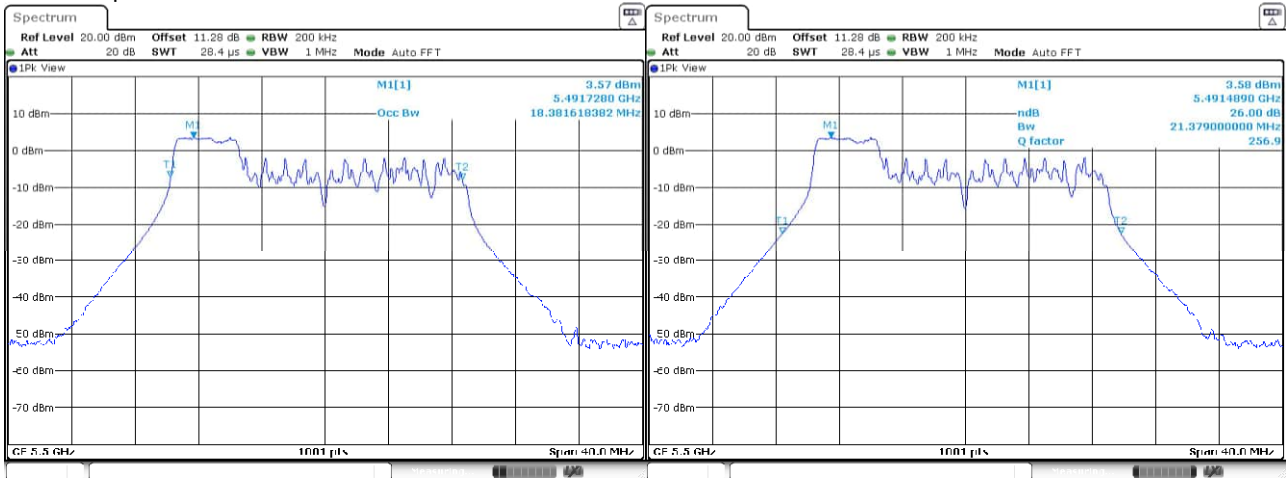
Channel: 64[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



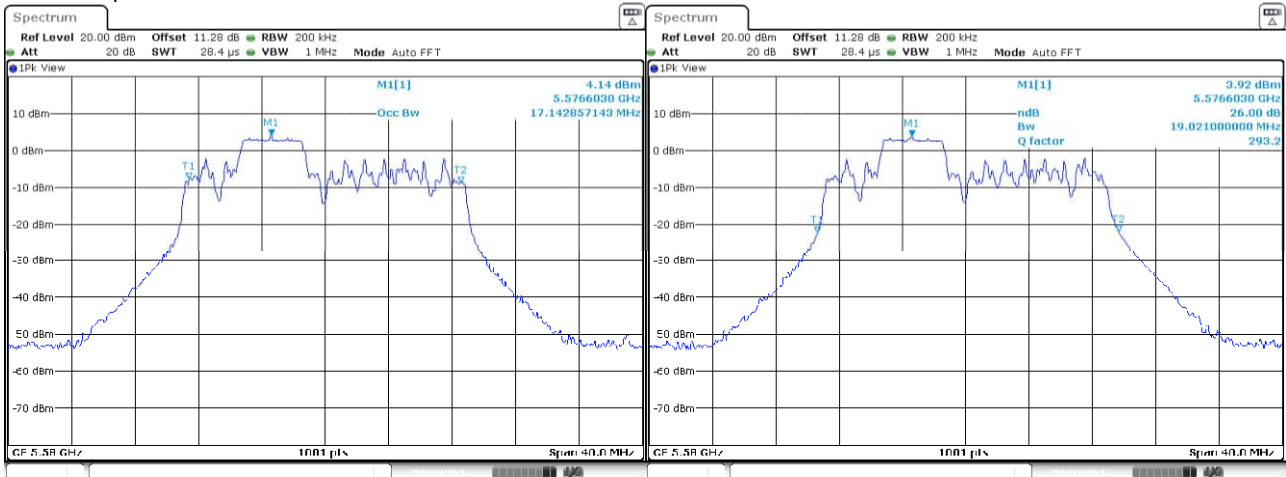
(5.6 GHz Band)
Channel: 100[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



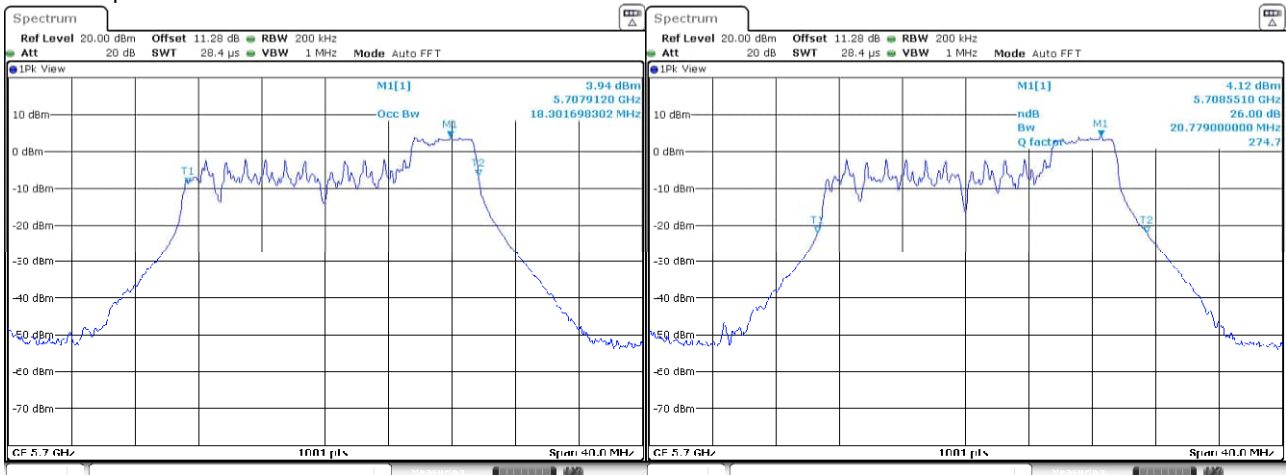
Channel: 116[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



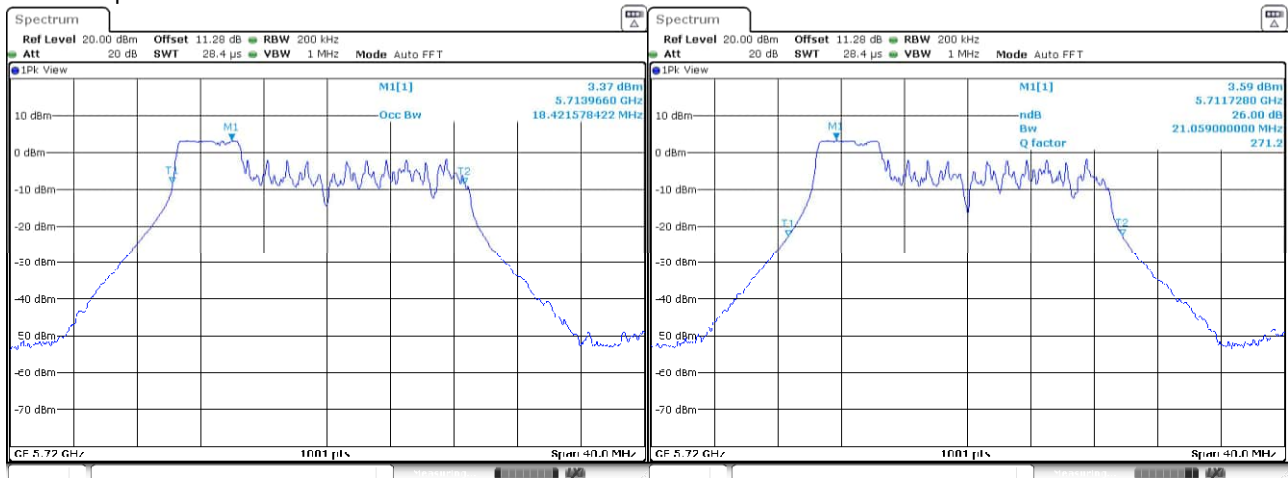
Channel: 140[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 144[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth

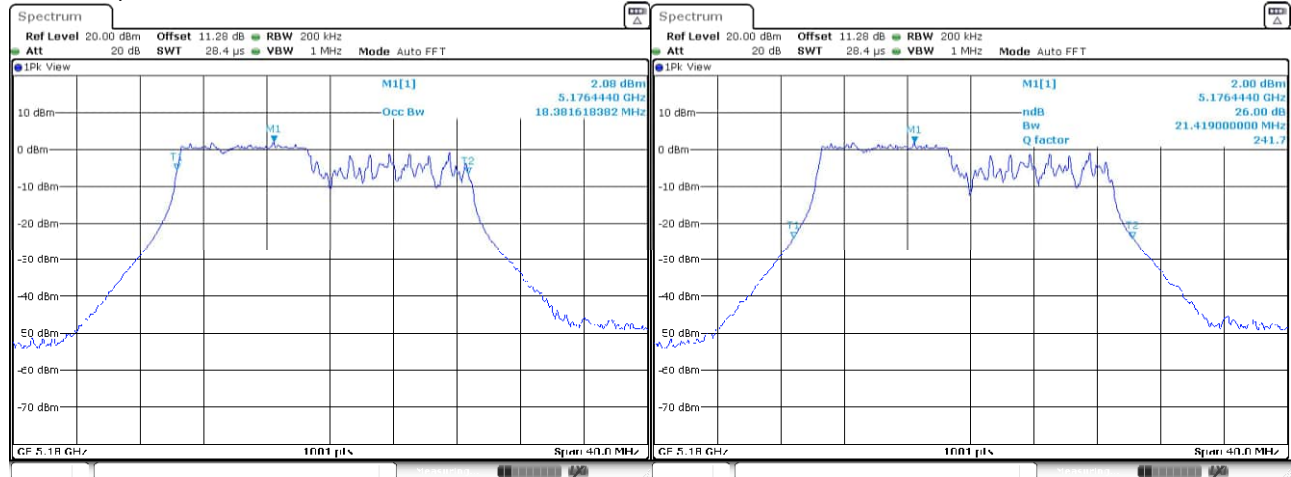


**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)**

Channel: 36[Chain 0]

99% Occupied Bandwidth

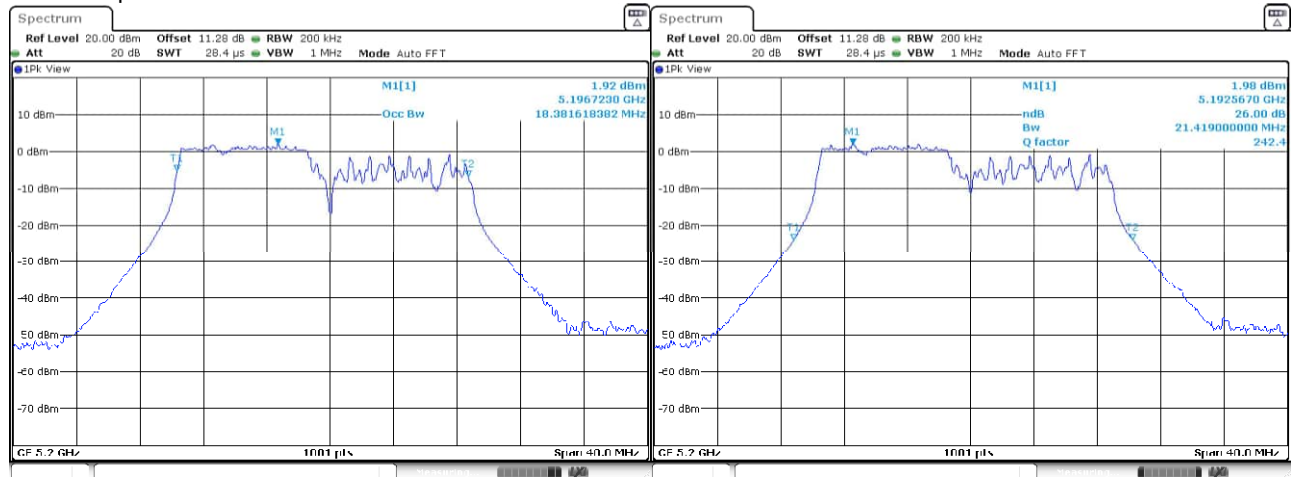
26dB Bandwidth



Channel: 40[Chain 0]

99% Occupied Bandwidth

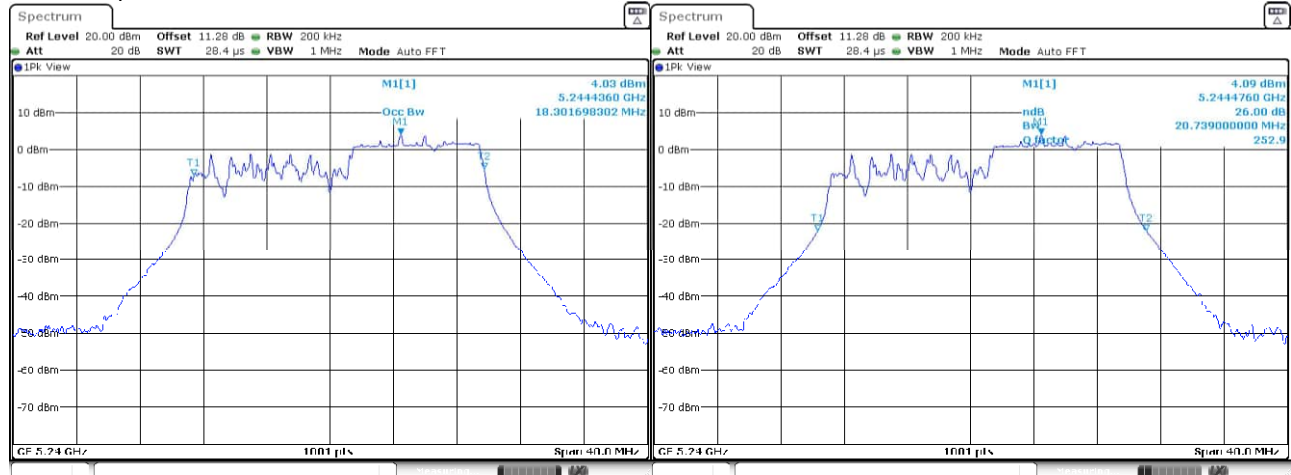
26dB Bandwidth



Channel: 48[Chain 0]

99% Occupied Bandwidth

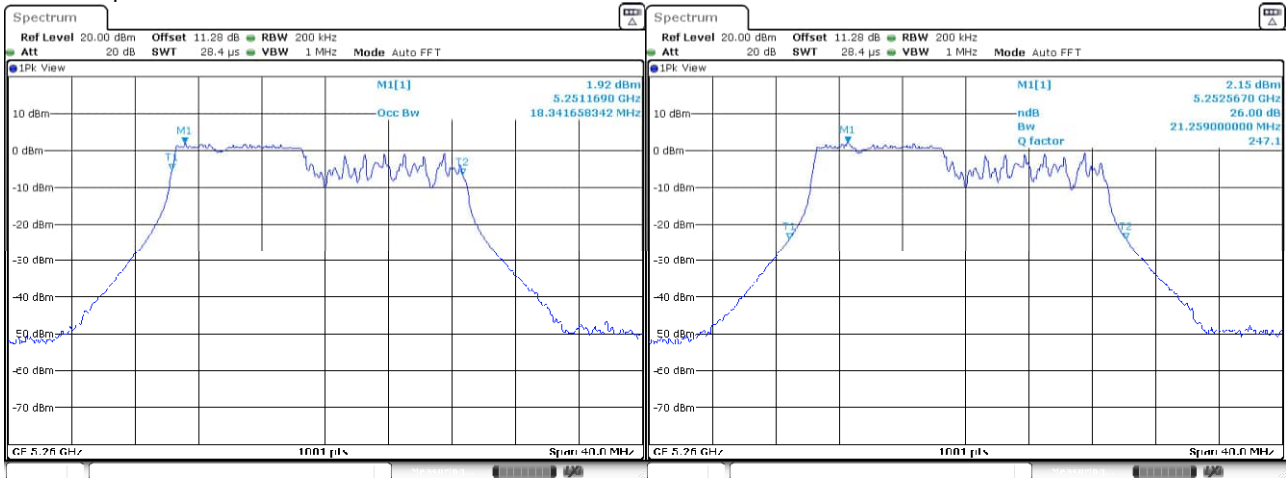
26dB Bandwidth



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

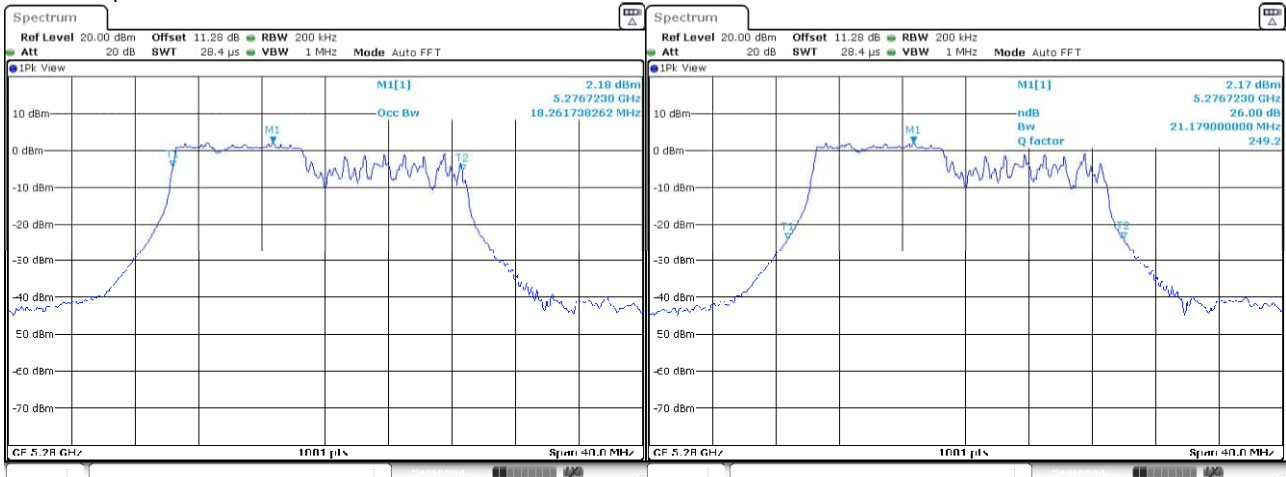
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 56[Chain 0]**

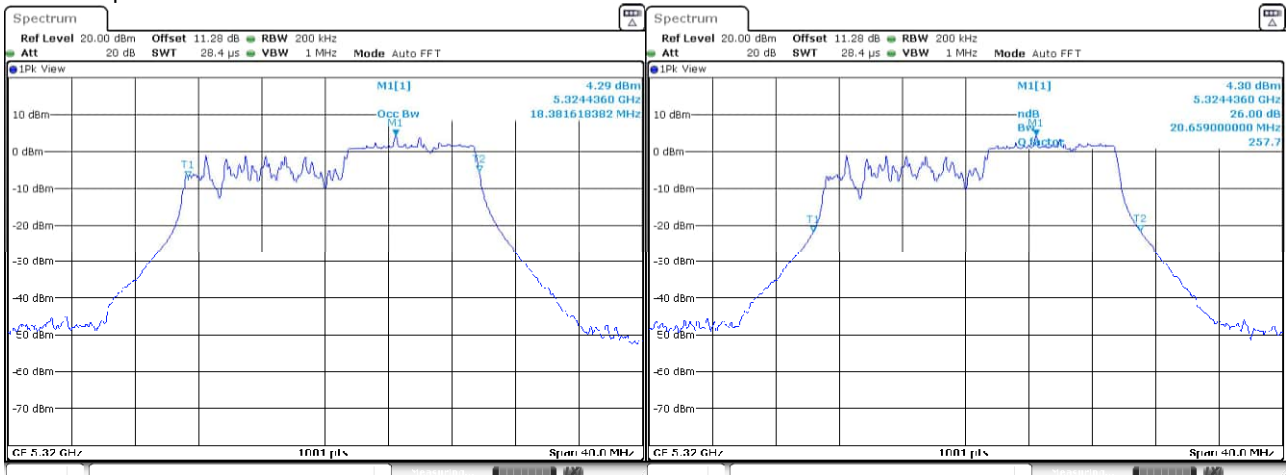
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 64[Chain 0]**

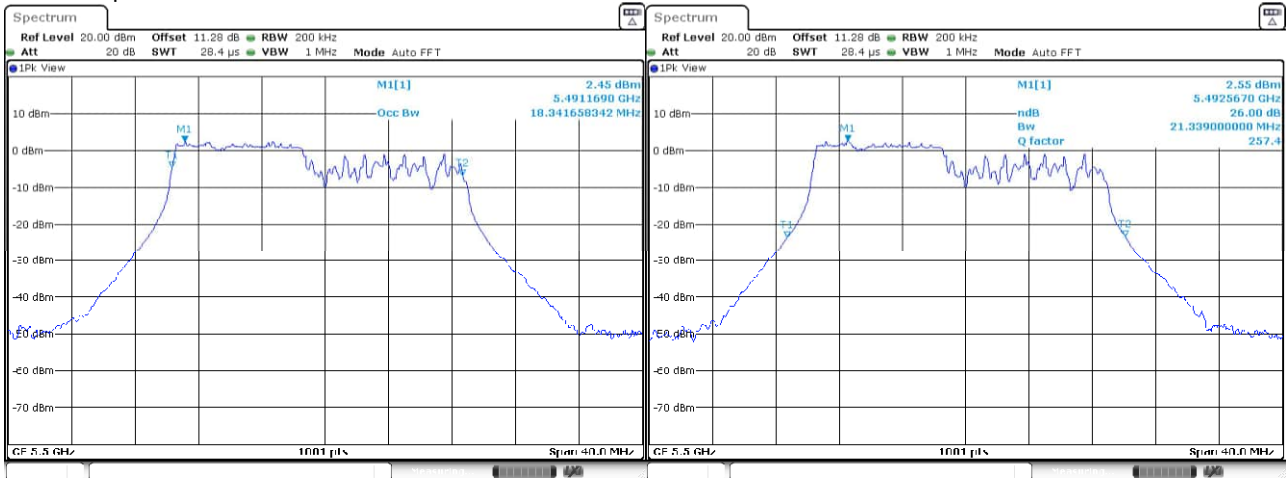
99% Occupied Bandwidth

26dB Bandwidth



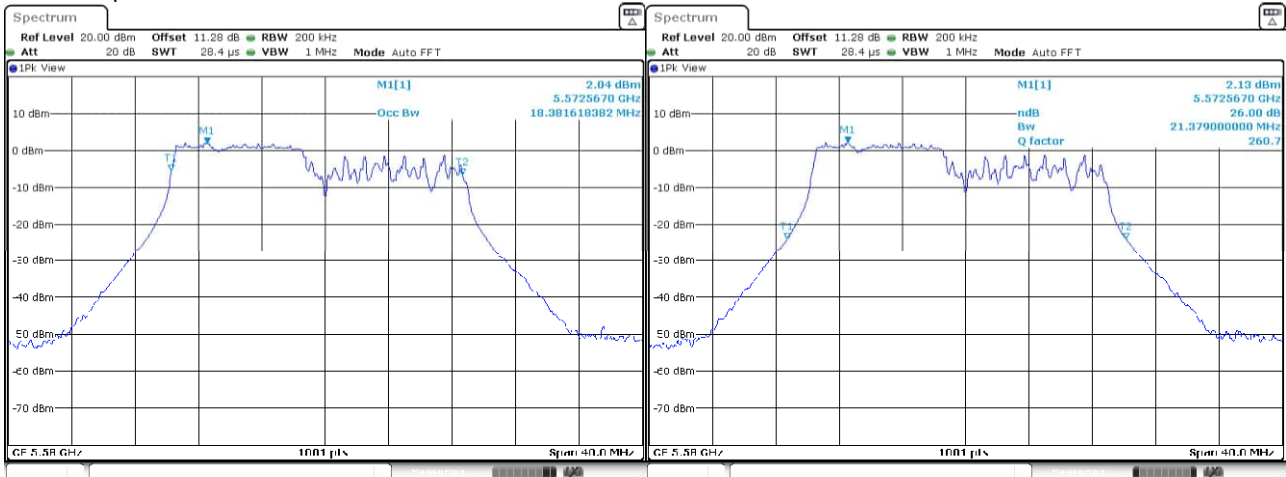
(5.6 GHz Band)
Channel: 100[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



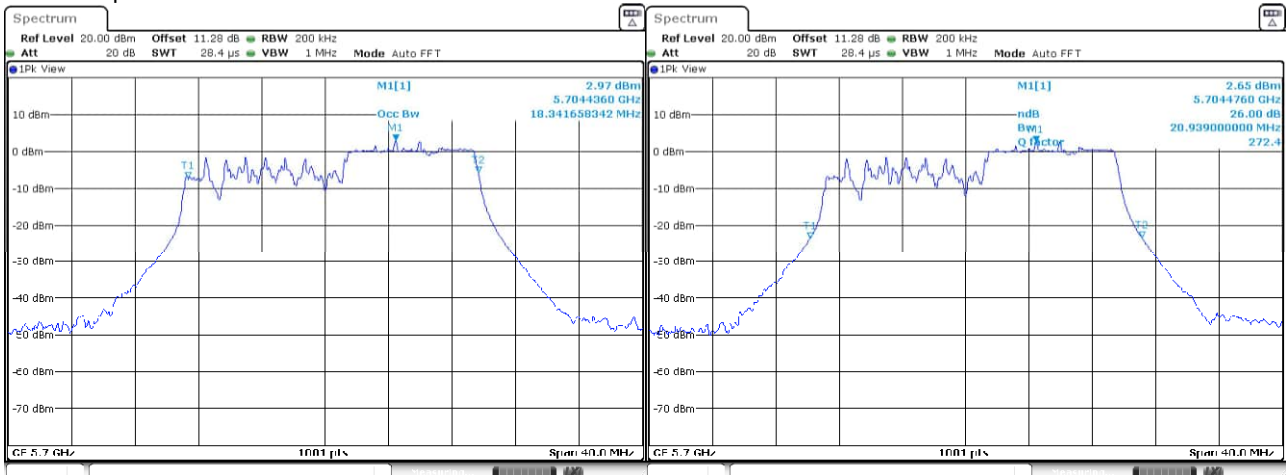
Channel: 116[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



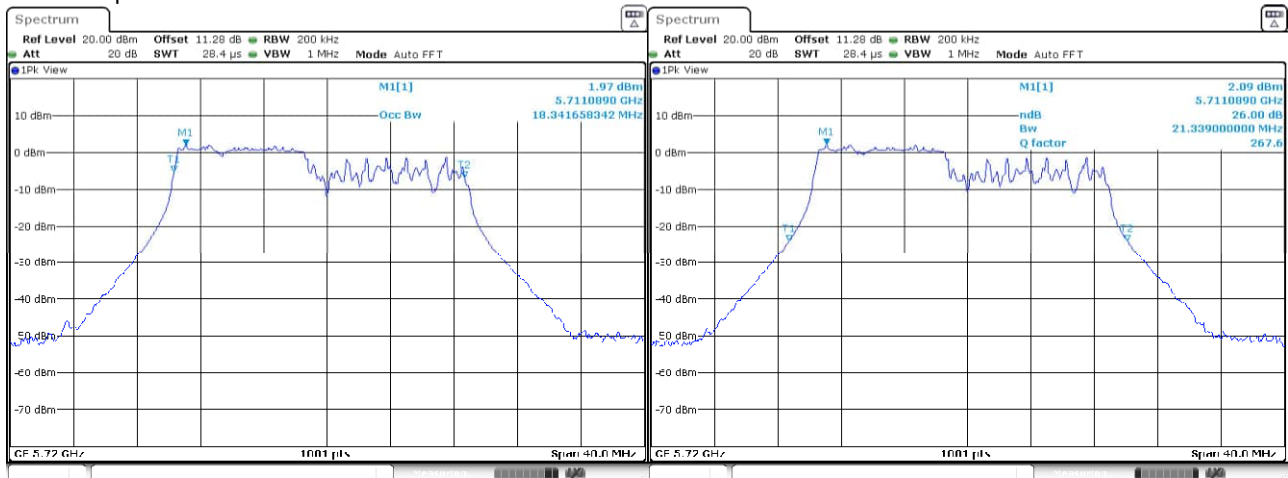
Channel: 140[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



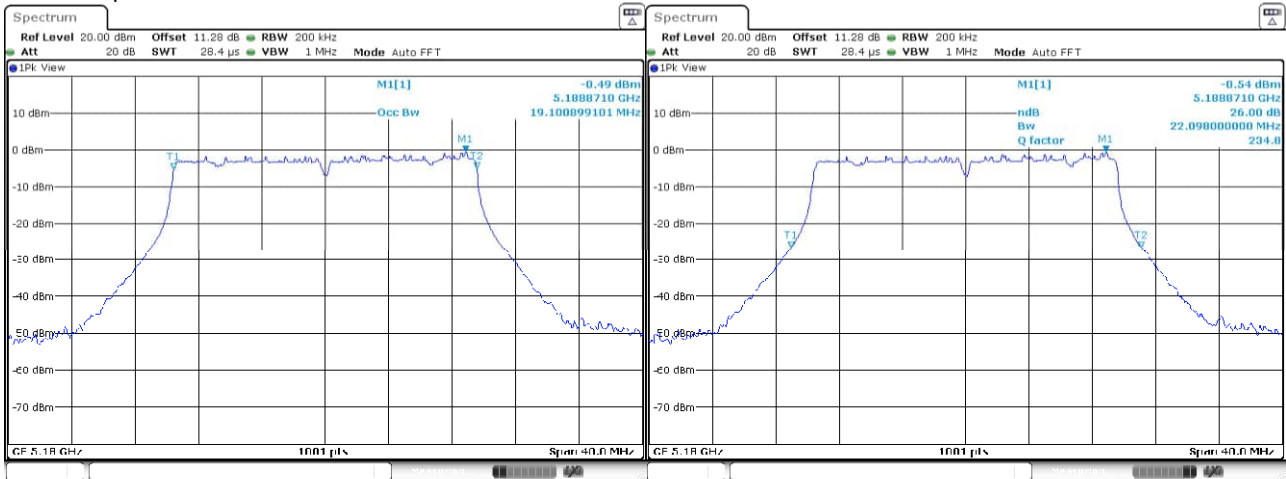
(5.6 GHz Band)
Channel: 144[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



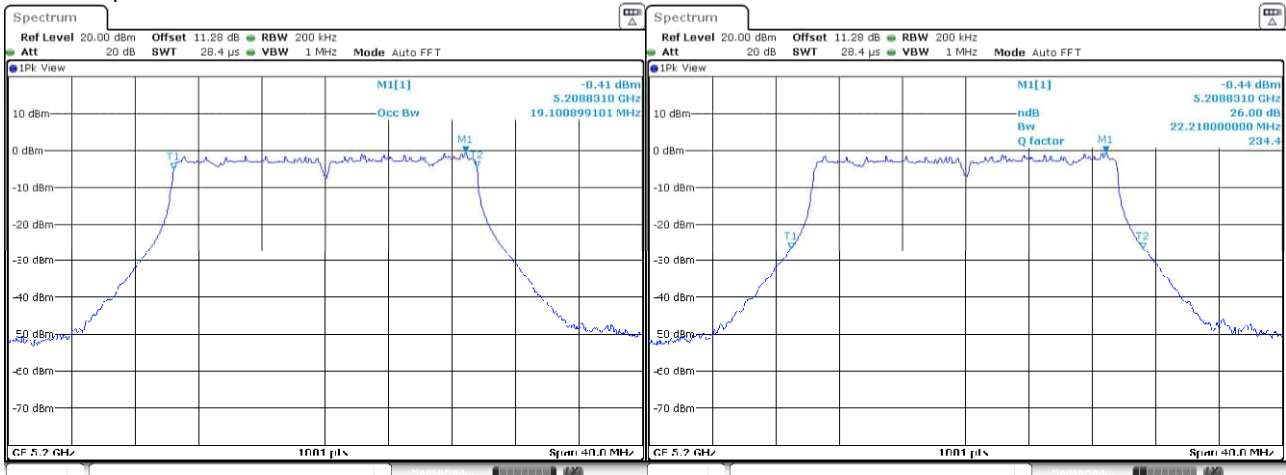
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]
99% Occupied Bandwidth**

26dB Bandwidth



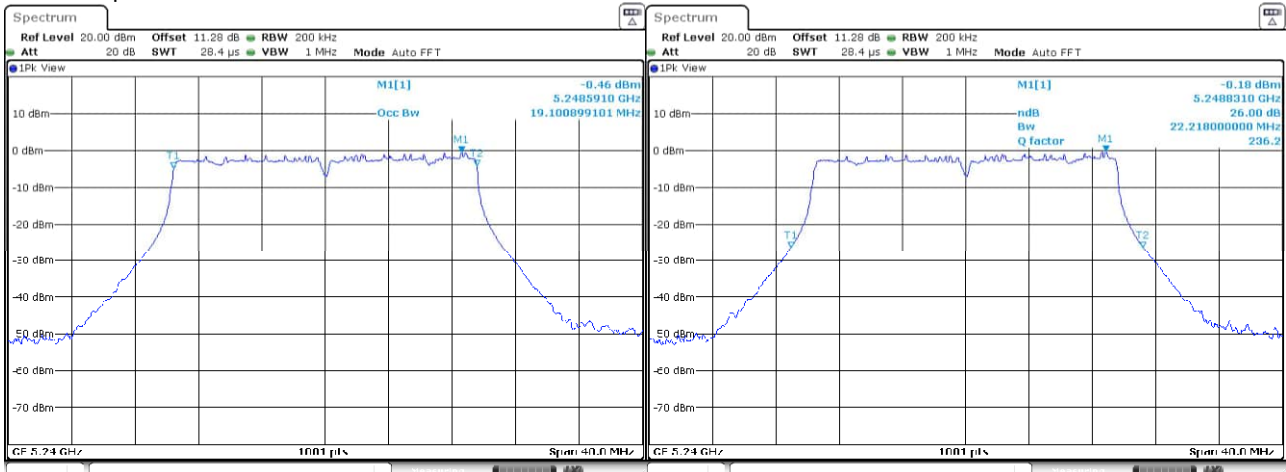
**Channel: 40[Chain 0]
99% Occupied Bandwidth**

26dB Bandwidth



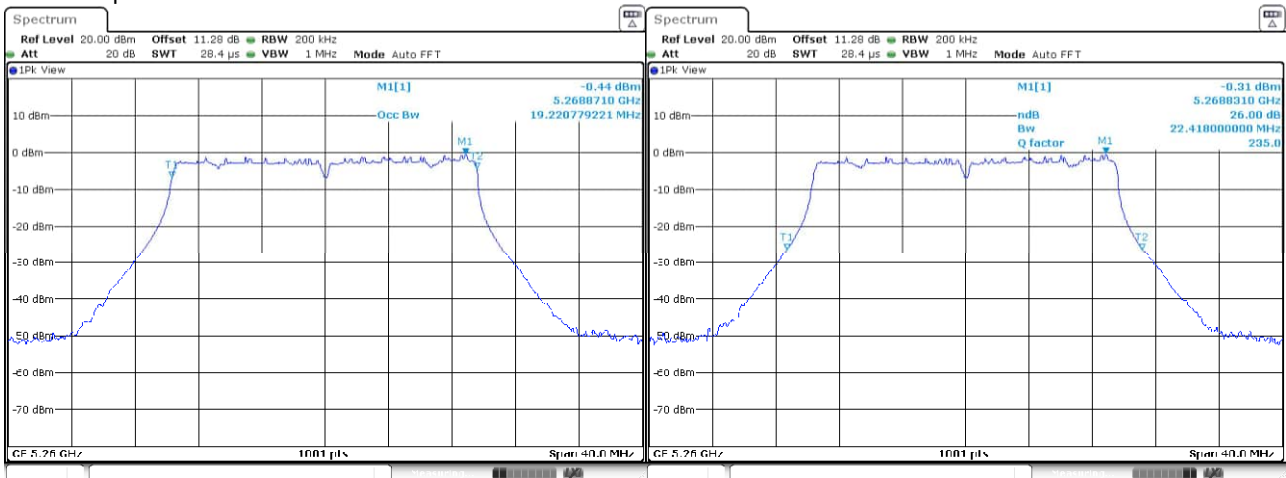
**Channel: 48[Chain 0]
99% Occupied Bandwidth**

26dB Bandwidth



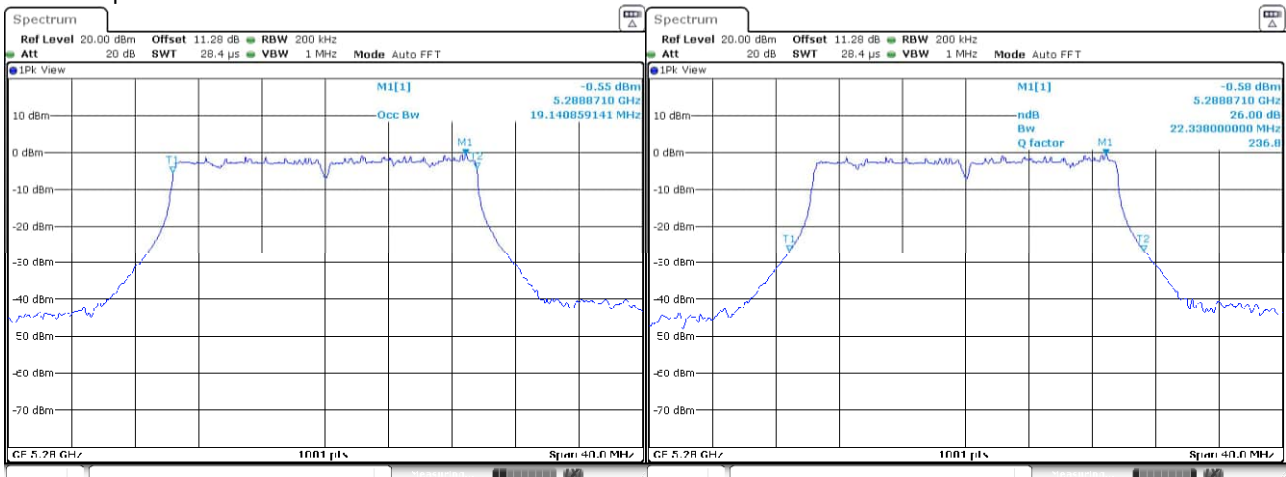
(5.3 GHz Band)
Channel: 52[Chain 0]
 99% Occupied Bandwidth

26dB Bandwidth



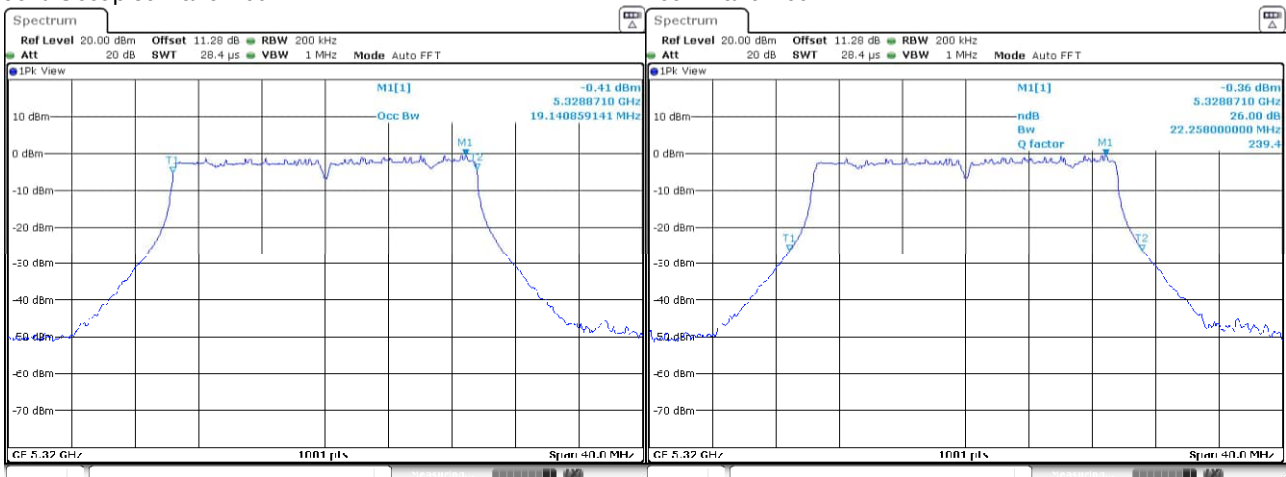
Channel: 56[Chain 0]
 99% Occupied Bandwidth

26dB Bandwidth



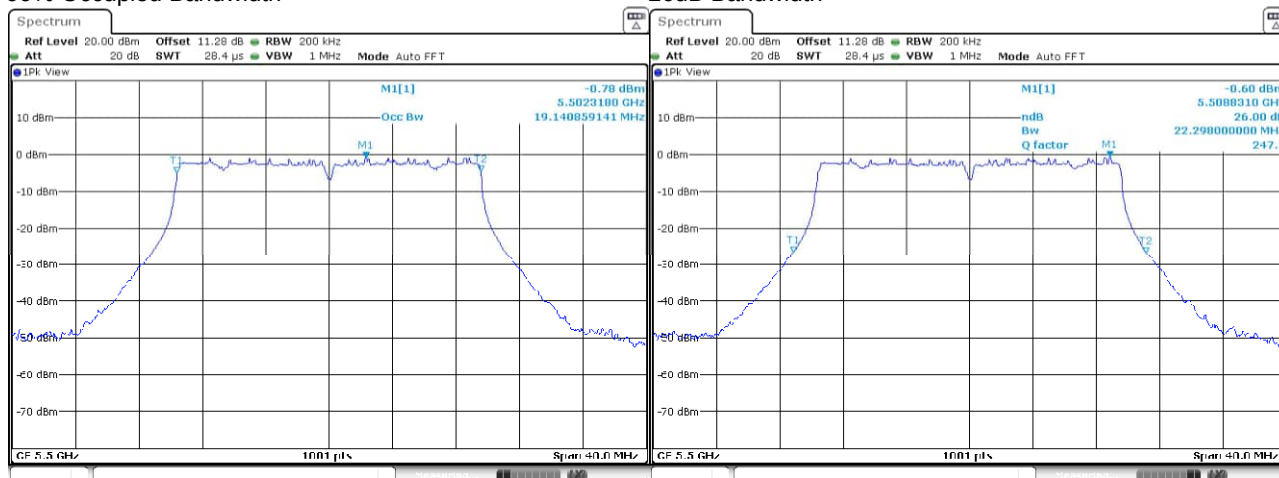
Channel: 64[Chain 0]
 99% Occupied Bandwidth

26dB Bandwidth



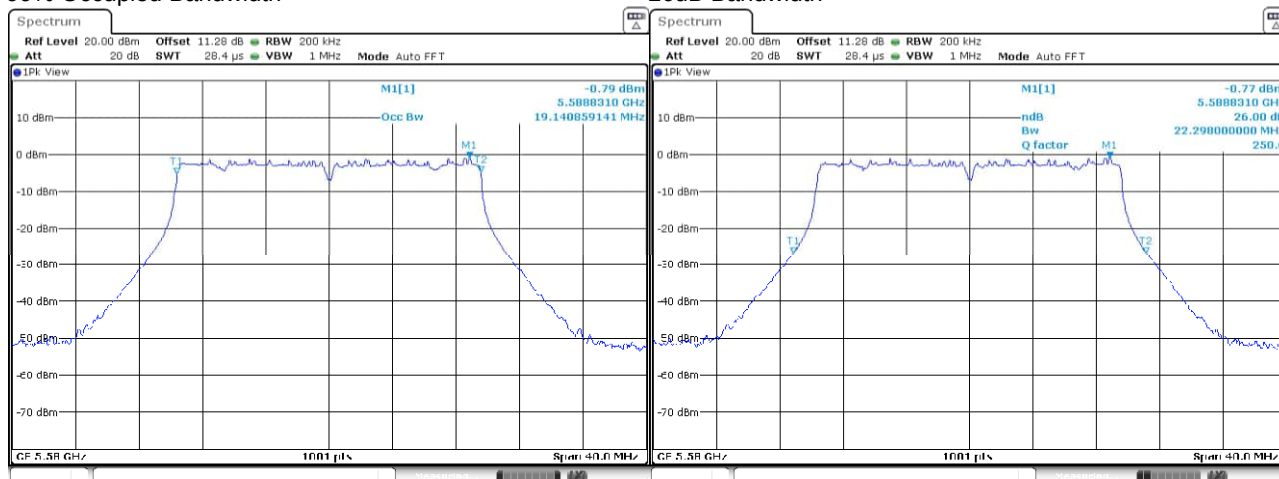
(5.6 GHz Band)
Channel: 100[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



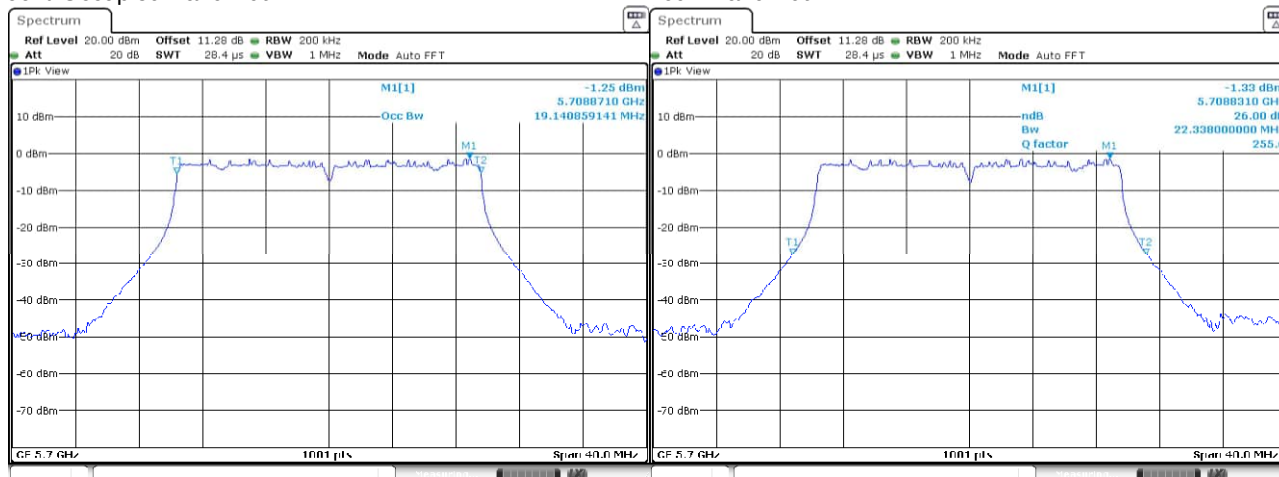
Channel: 116[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



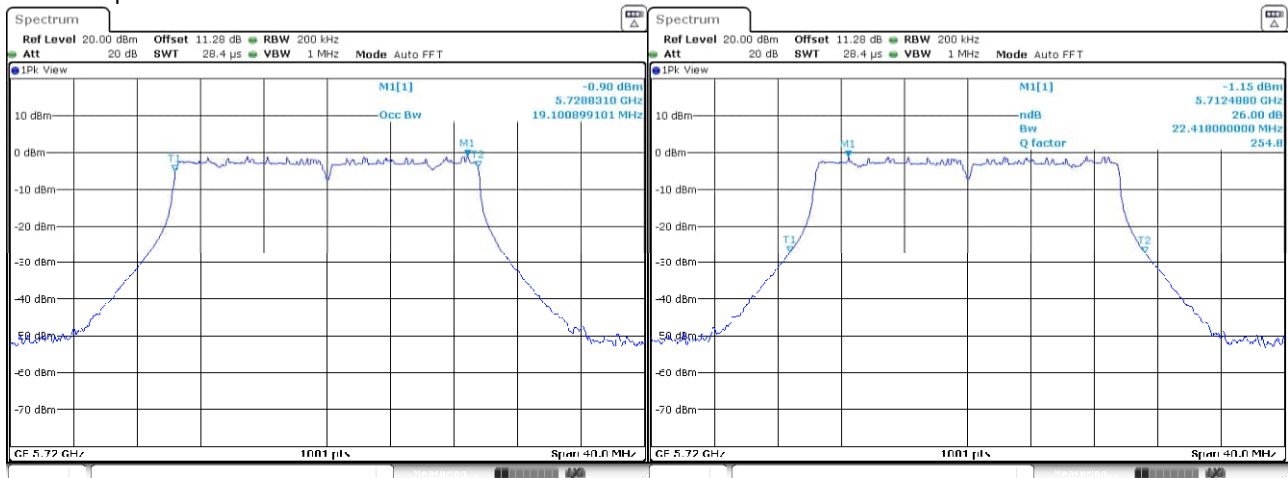
Channel: 140[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 144[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



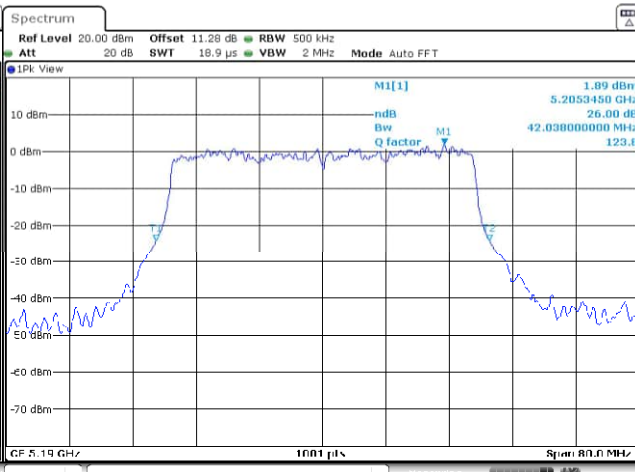
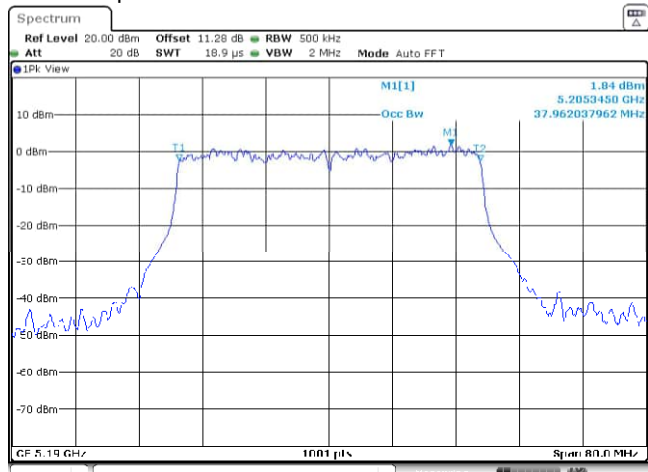
[IEEE802.11ax_HE40_484-Tones]

(5.2 GHz Band)

Channel: 38[Chain 0]

99% Occupied Bandwidth

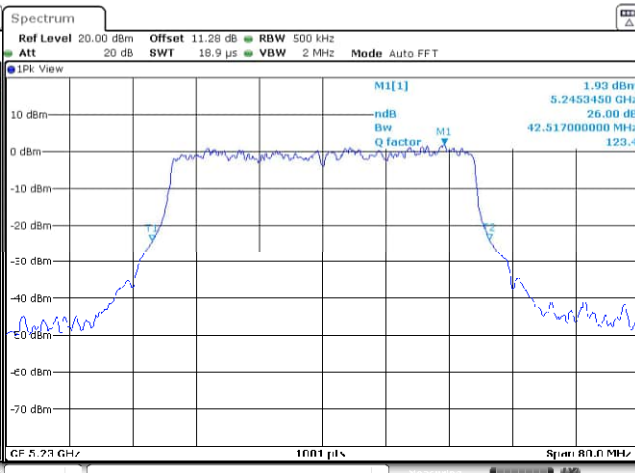
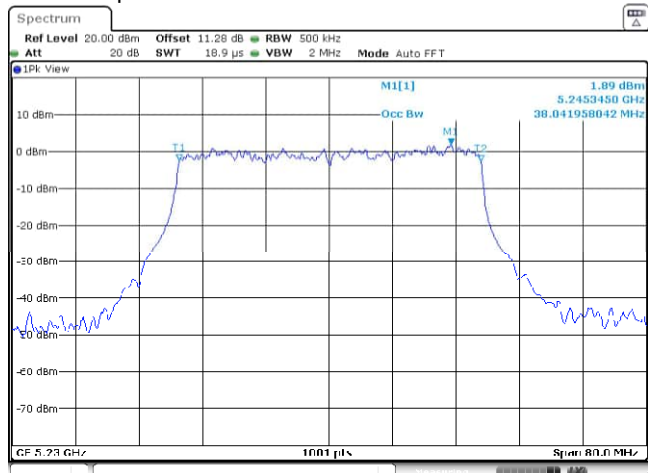
26dB Bandwidth



Channel: 46[Chain 0]

99% Occupied Bandwidth

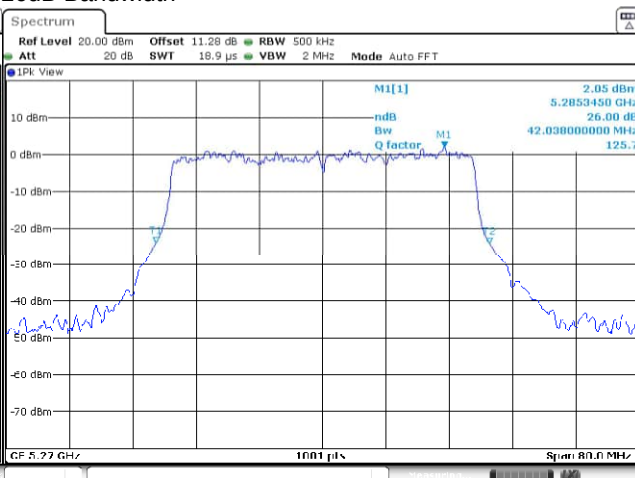
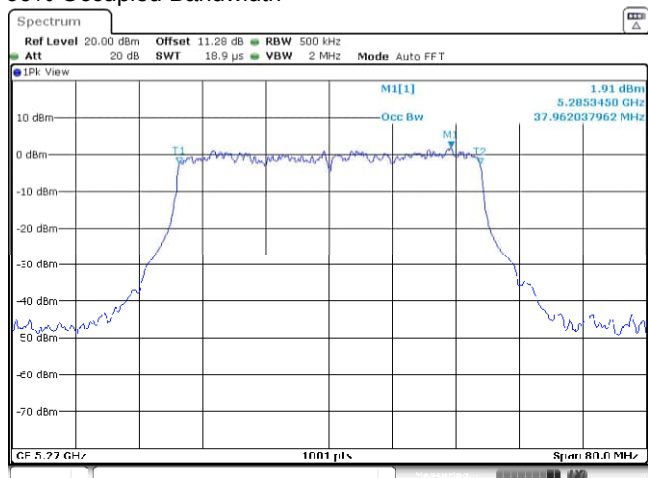
26dB Bandwidth



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

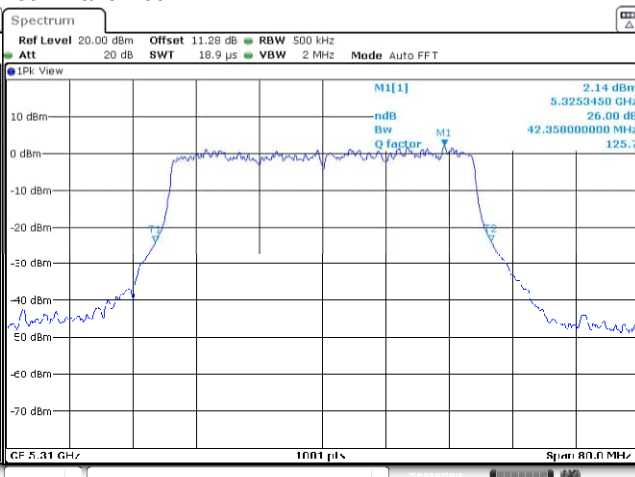
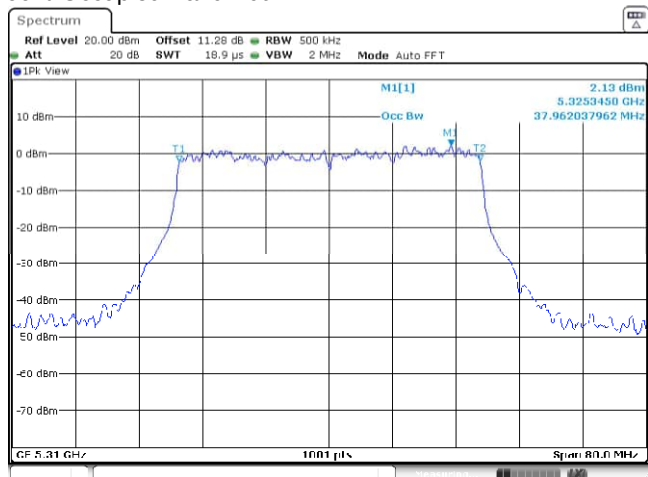
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 62[Chain 0]**

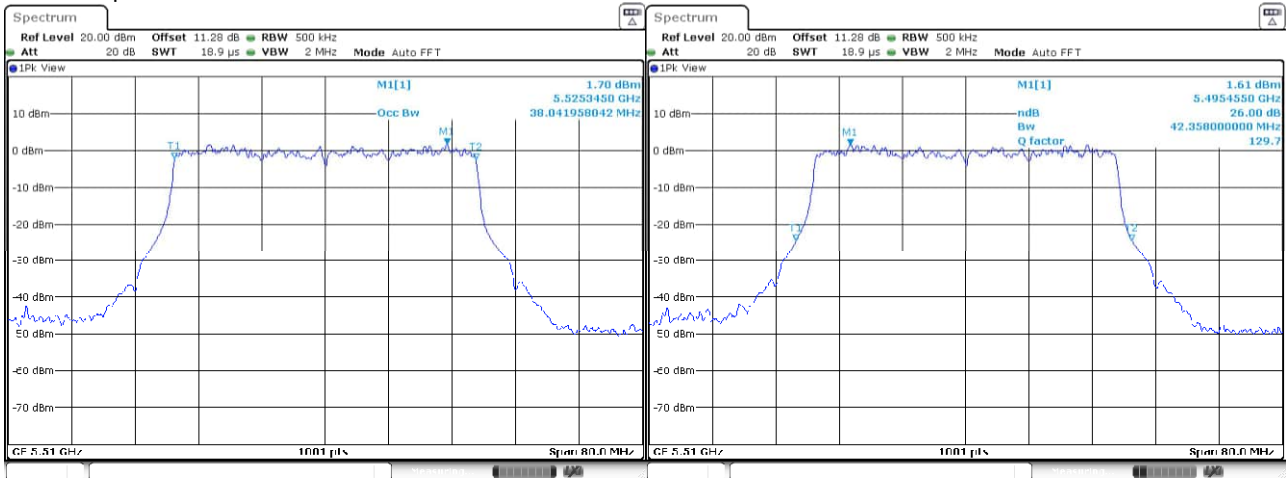
99% Occupied Bandwidth

26dB Bandwidth



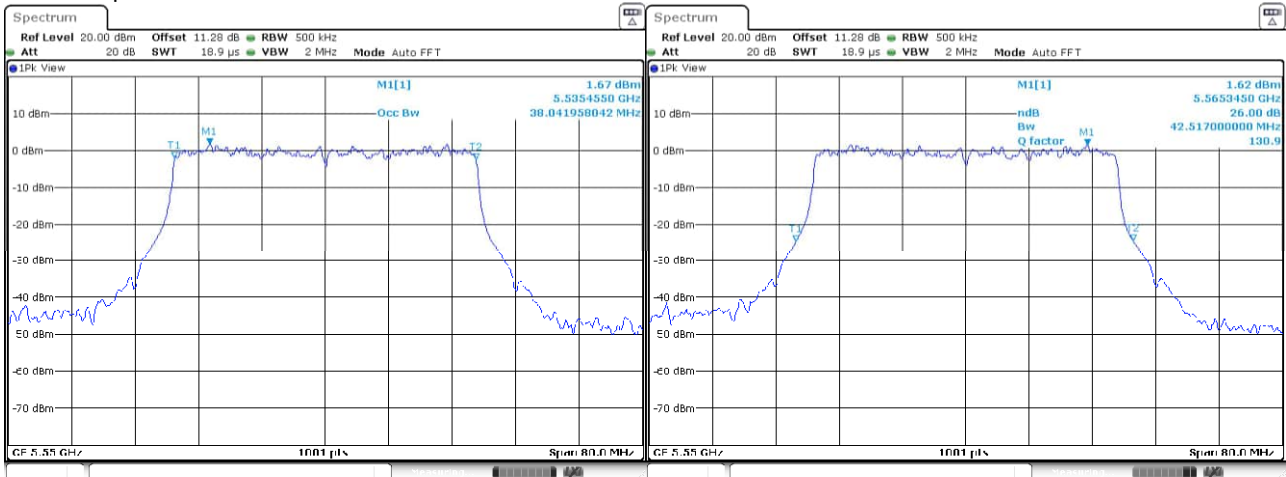
(5.6 GHz Band)
Channel: 102[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



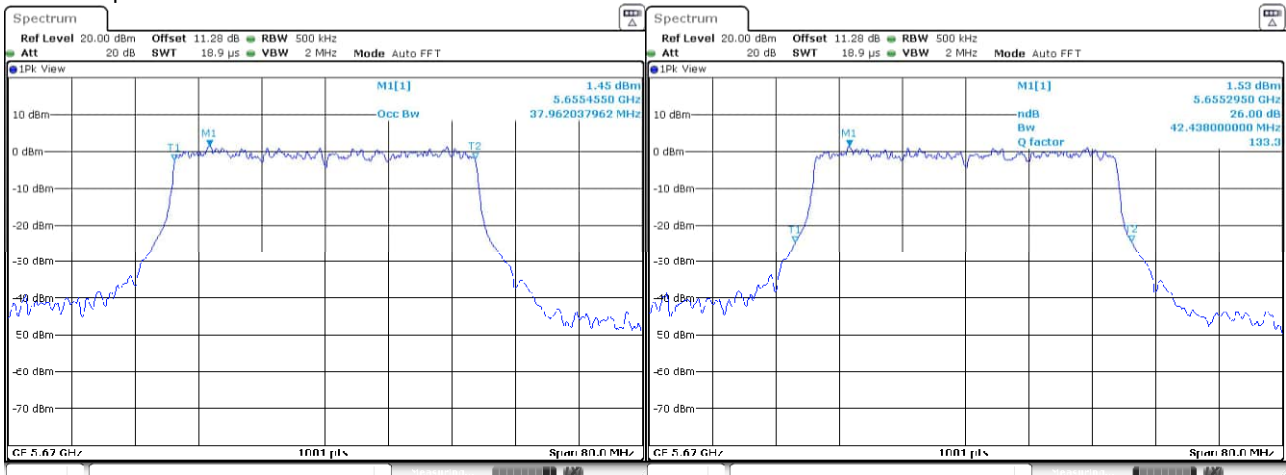
Channel: 110[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



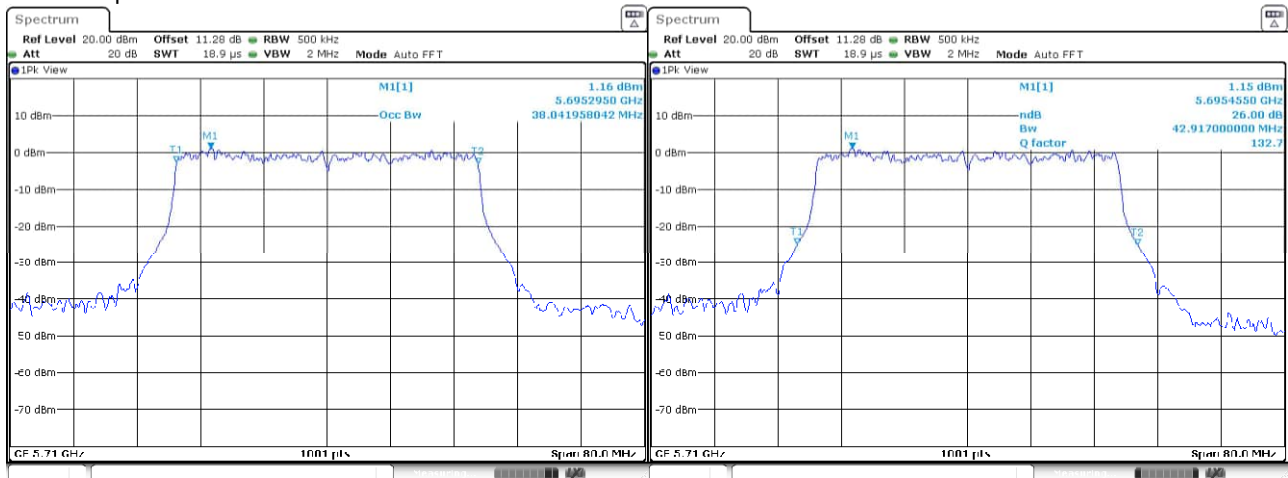
Channel: 134[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 142[Chain 0]
99% Occupied Bandwidth

26dB Bandwidth



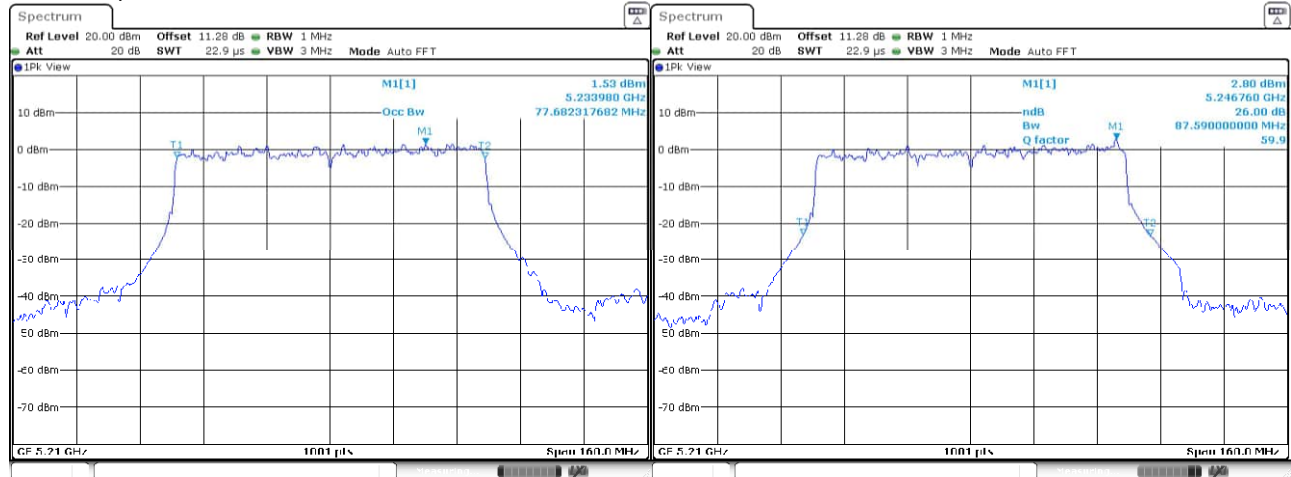
[IEEE802.11ax_HE80_996-Tones]

(5.2 GHz Band)

Channel: 42[Chain 0]

99% Occupied Bandwidth

26dB Bandwidth

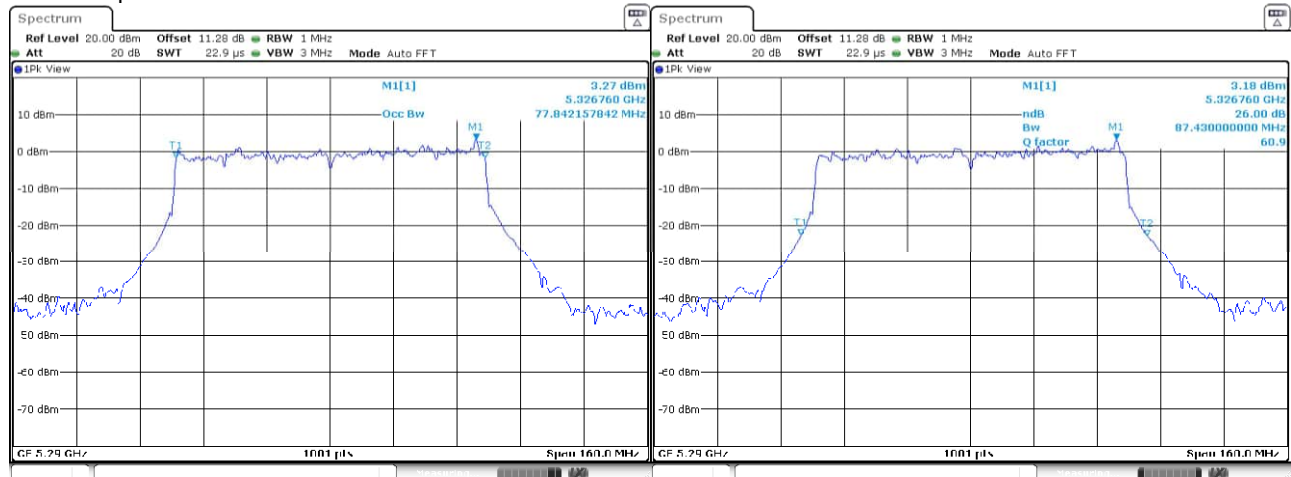


(5.3GHz Band)

Channel: 58[Chain 0]

99% Occupied Bandwidth

26dB Bandwidth

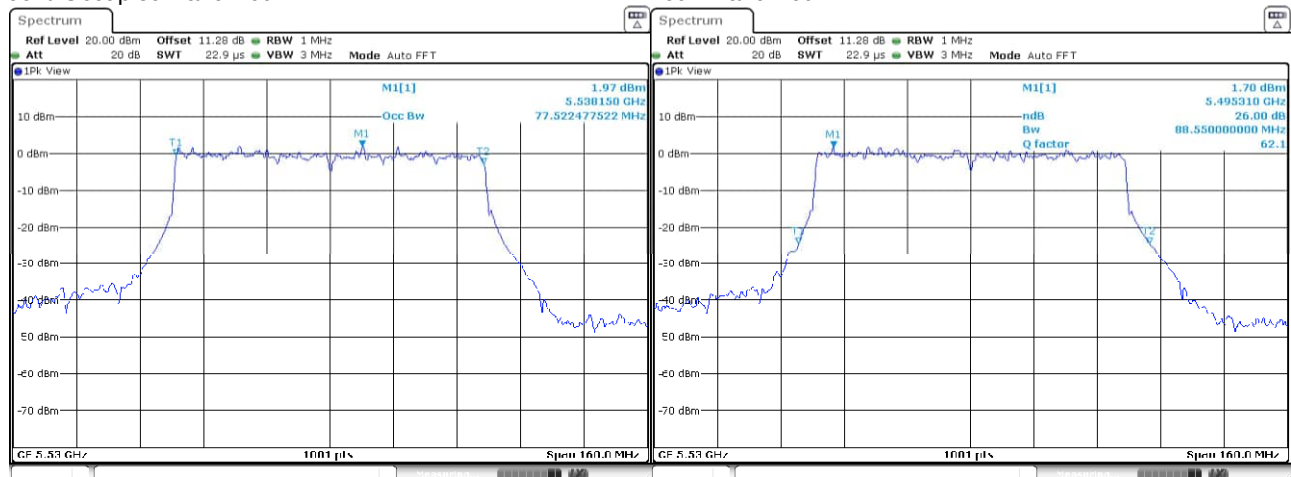


(5.6 GHz Band)

Channel: 106[Chain 0]

99% Occupied Bandwidth

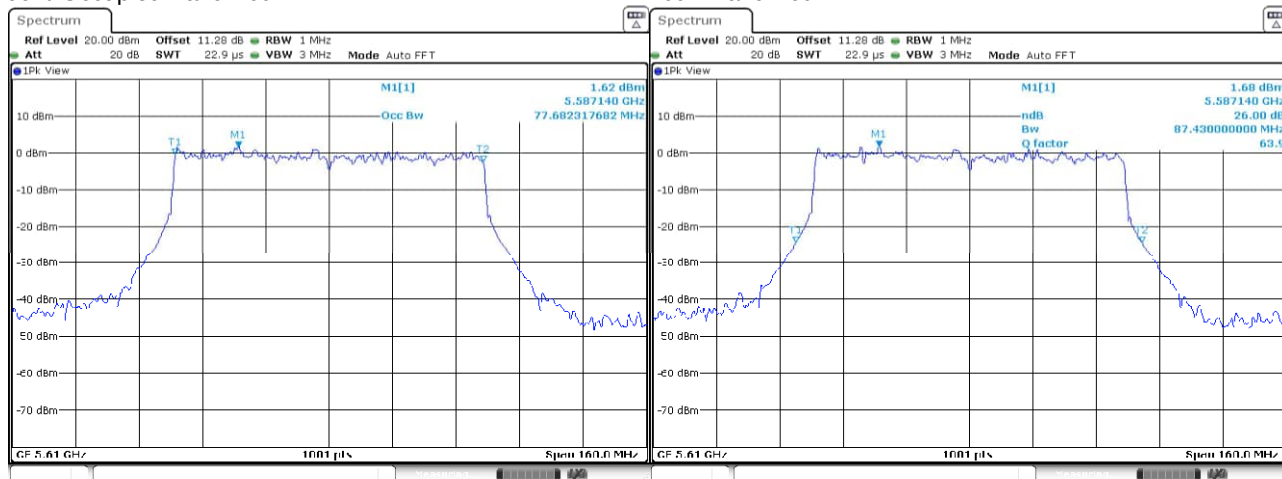
26dB Bandwidth



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

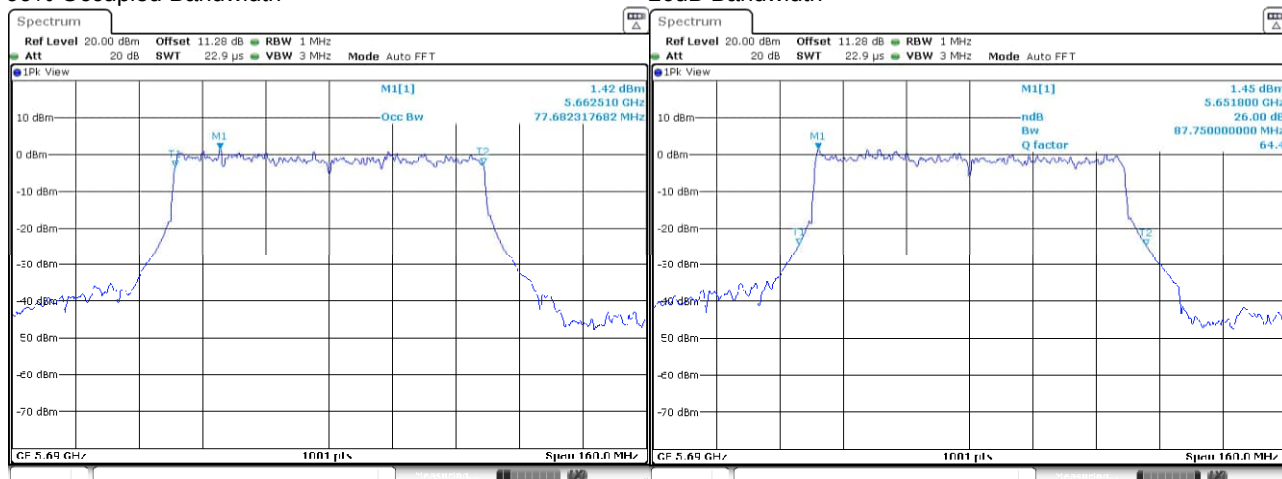
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 138[Chain 0]**

99% Occupied Bandwidth

26dB Bandwidth

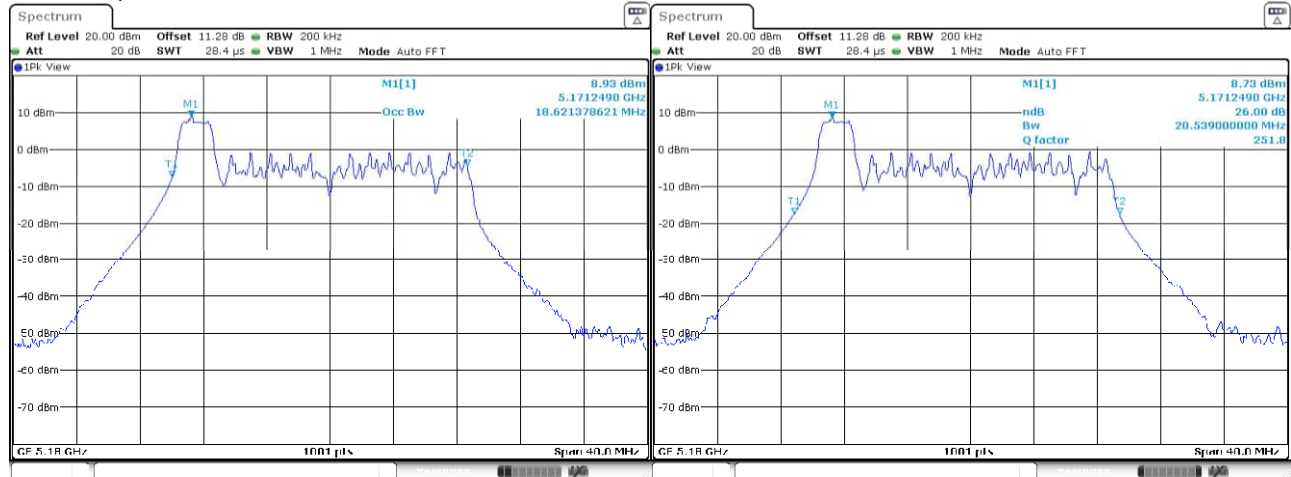


[IEEE802.11ax_HE20_26-Tones]
(5.2 GHz Band)

Channel: 36[Chain 1]

99% Occupied Bandwidth

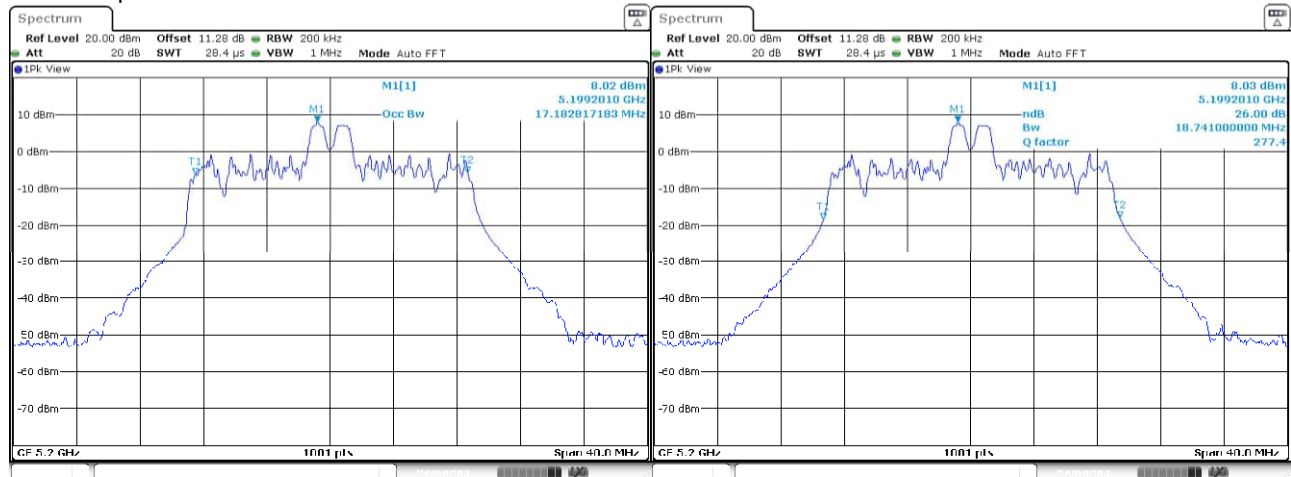
26dB Bandwidth



Channel: 40[Chain 1]

99% Occupied Bandwidth

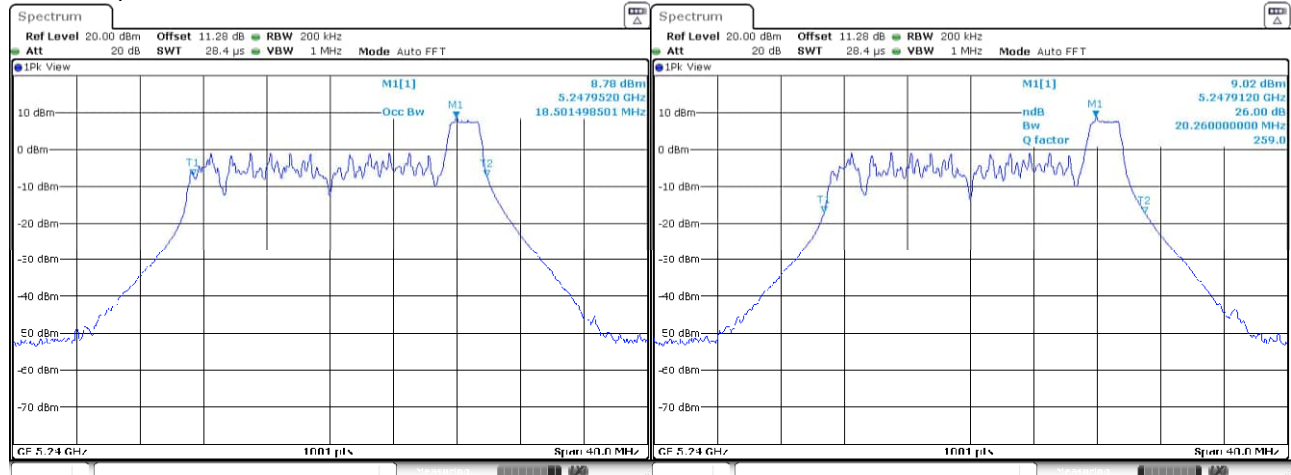
26dB Bandwidth



Channel: 48[Chain 1]

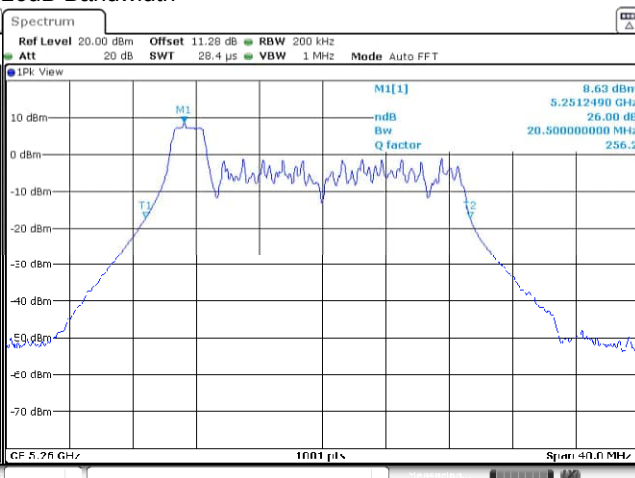
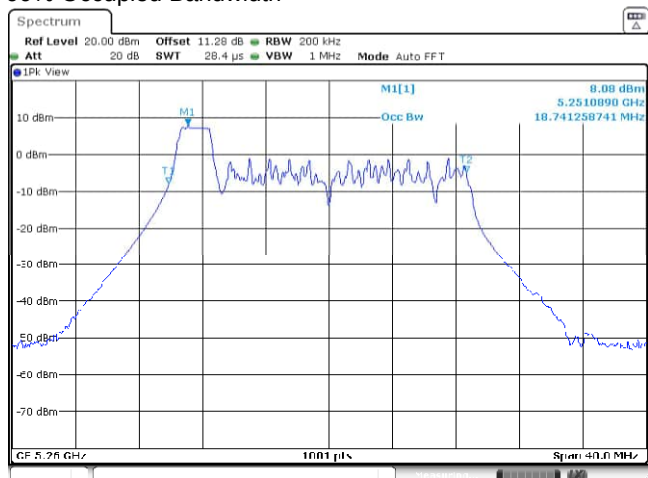
99% Occupied Bandwidth

26dB Bandwidth



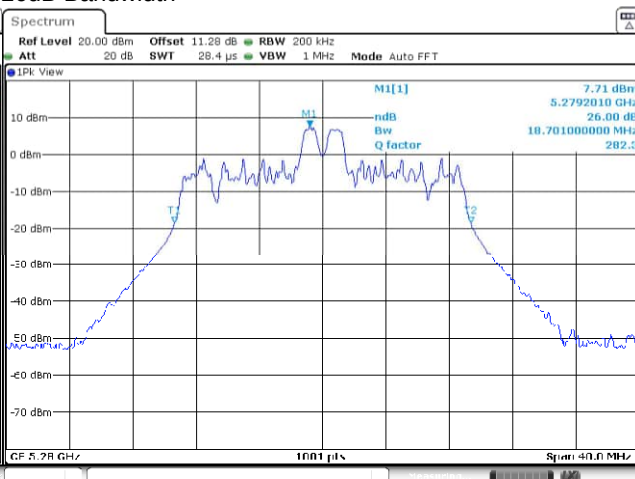
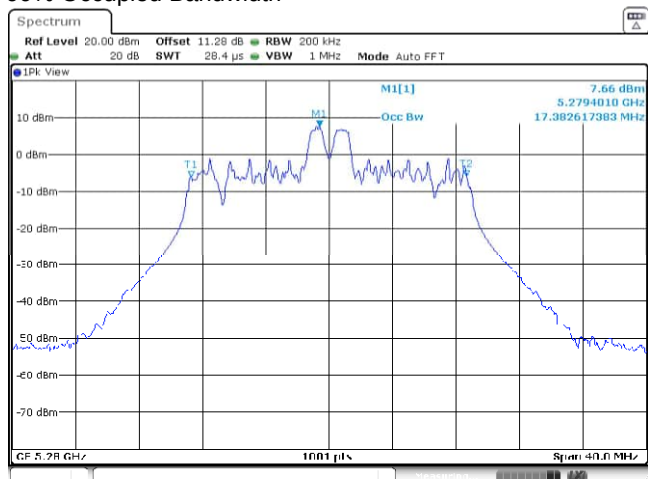
(5.3 GHz Band)
Channel: 52[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



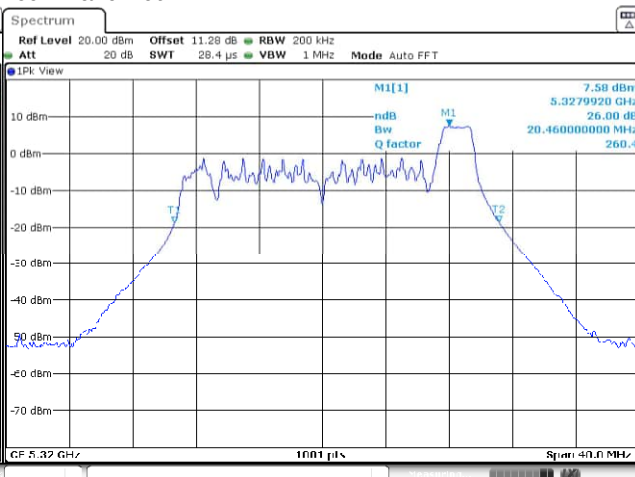
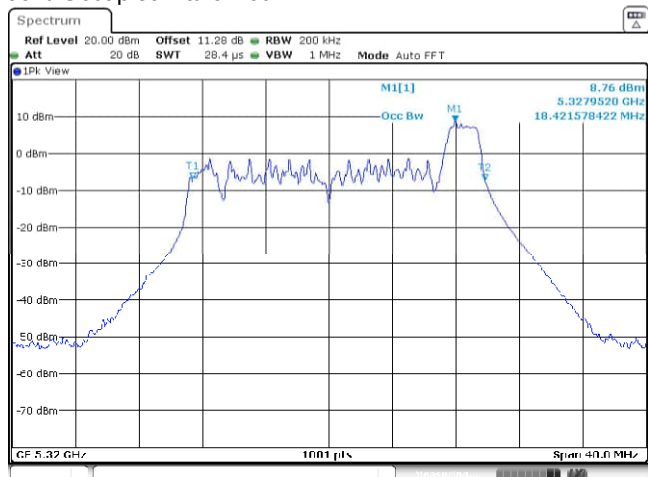
Channel: 56[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



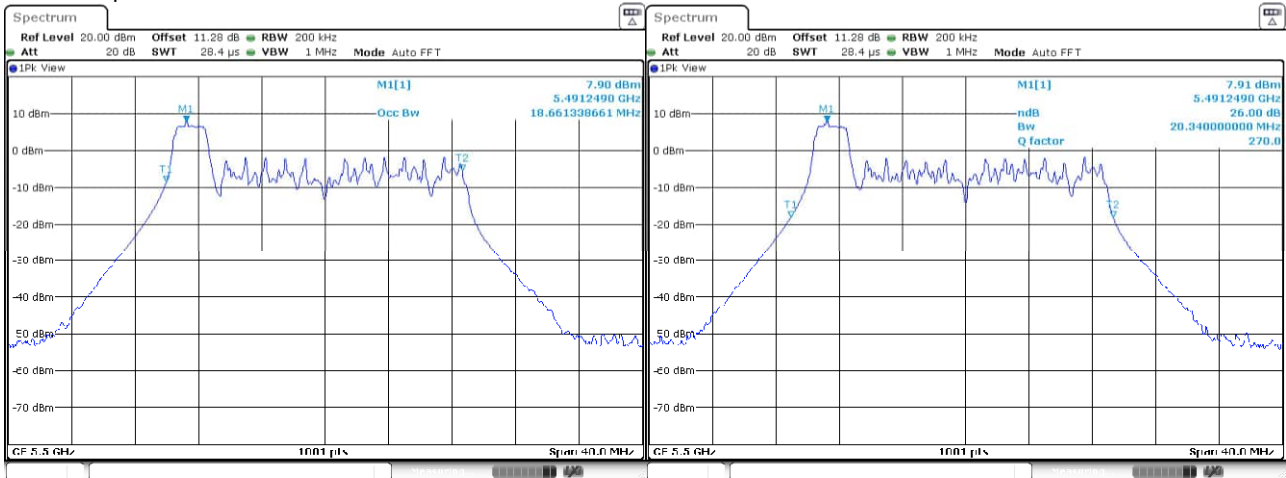
Channel: 64[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



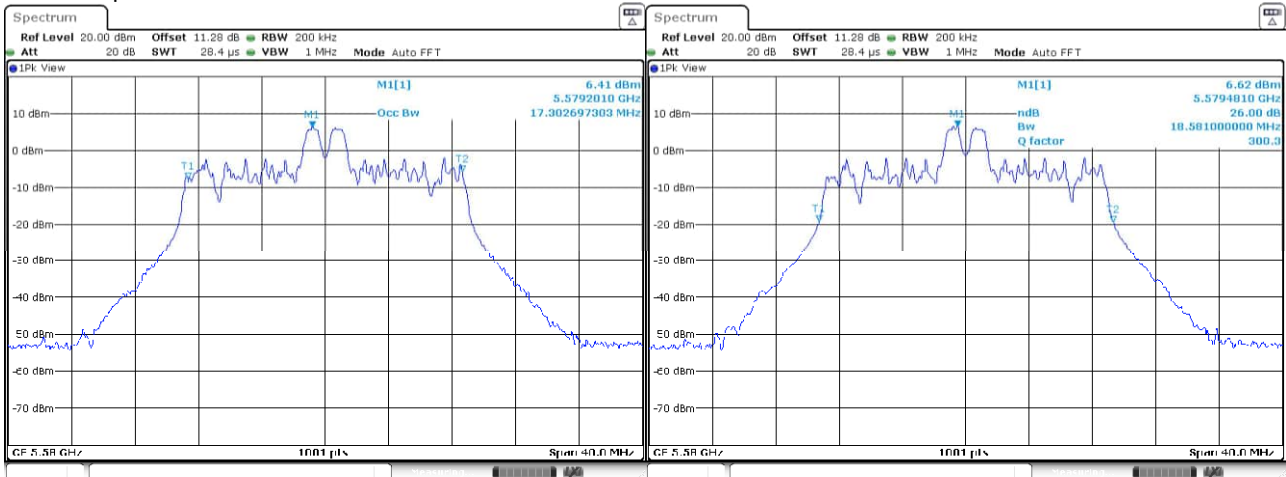
(5.6 GHz Band)
Channel: 100[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



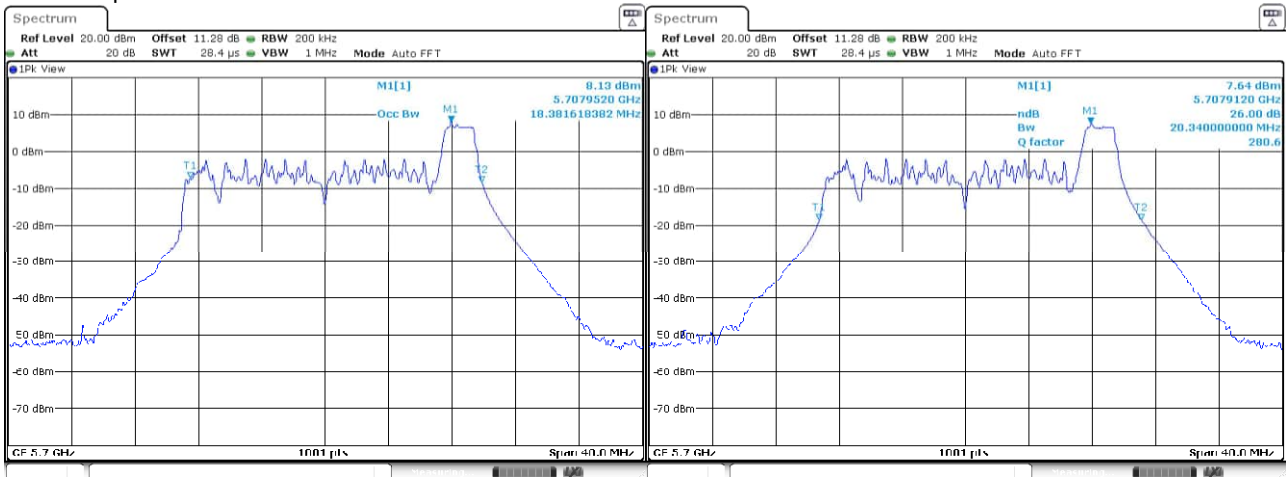
Channel: 116[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



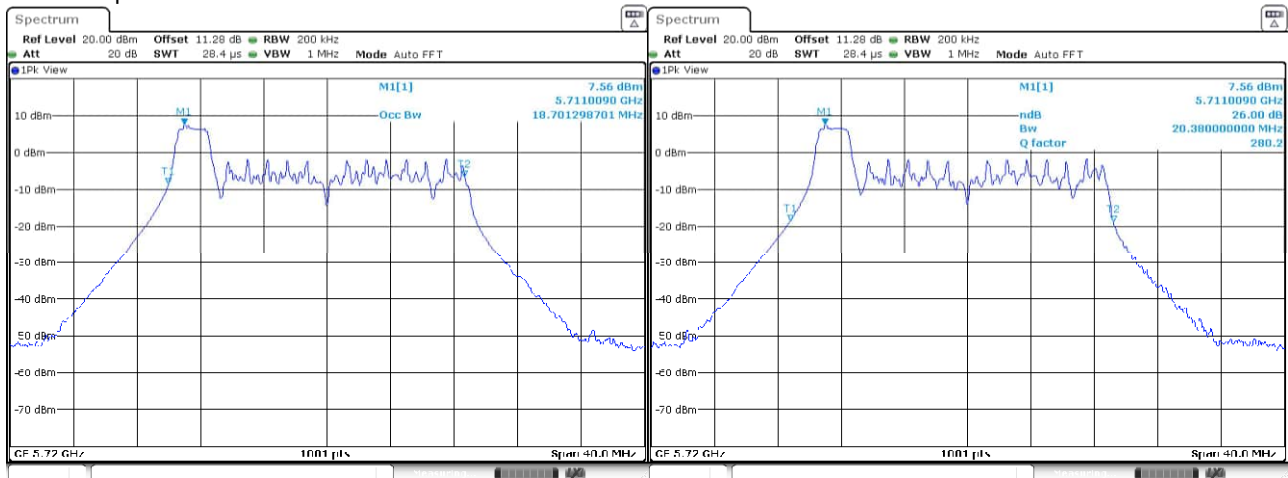
Channel: 140[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 144[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth

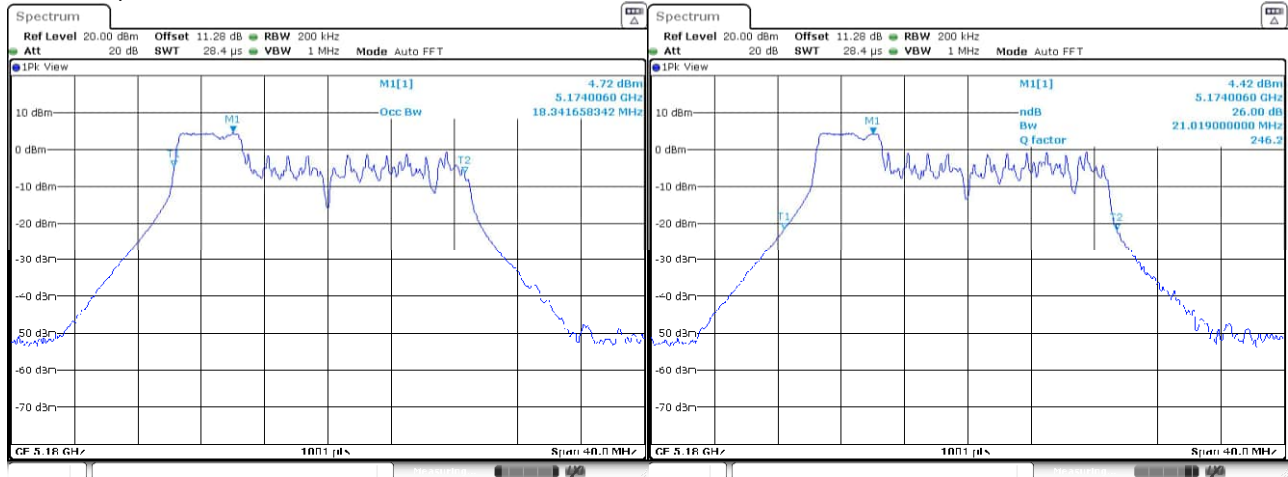


[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)

Channel: 36[Chain 1]

99% Occupied Bandwidth

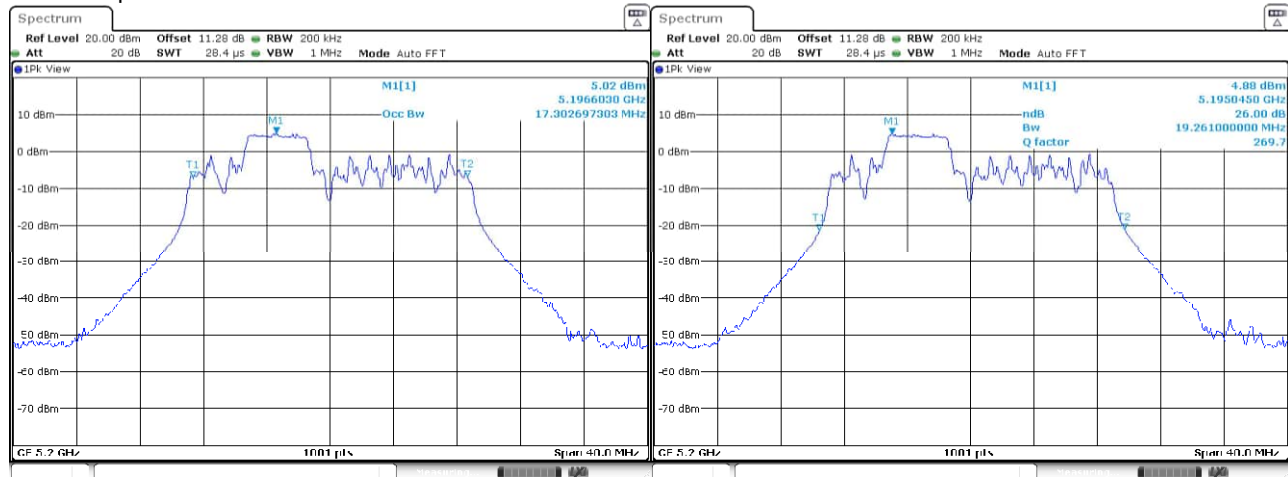
26dB Bandwidth



Channel: 40[Chain 1]

99% Occupied Bandwidth

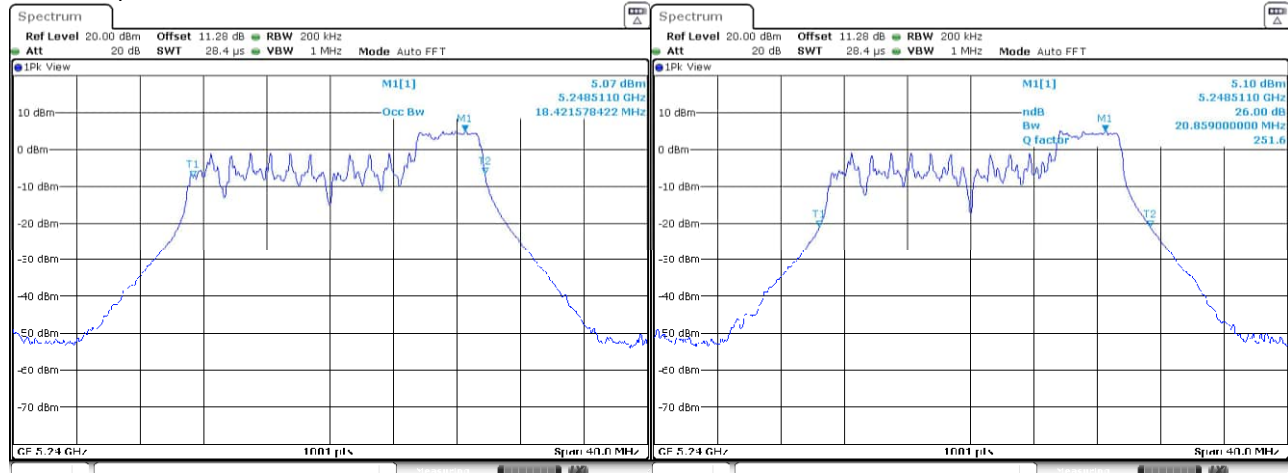
26dB Bandwidth



Channel: 48[Chain 1]

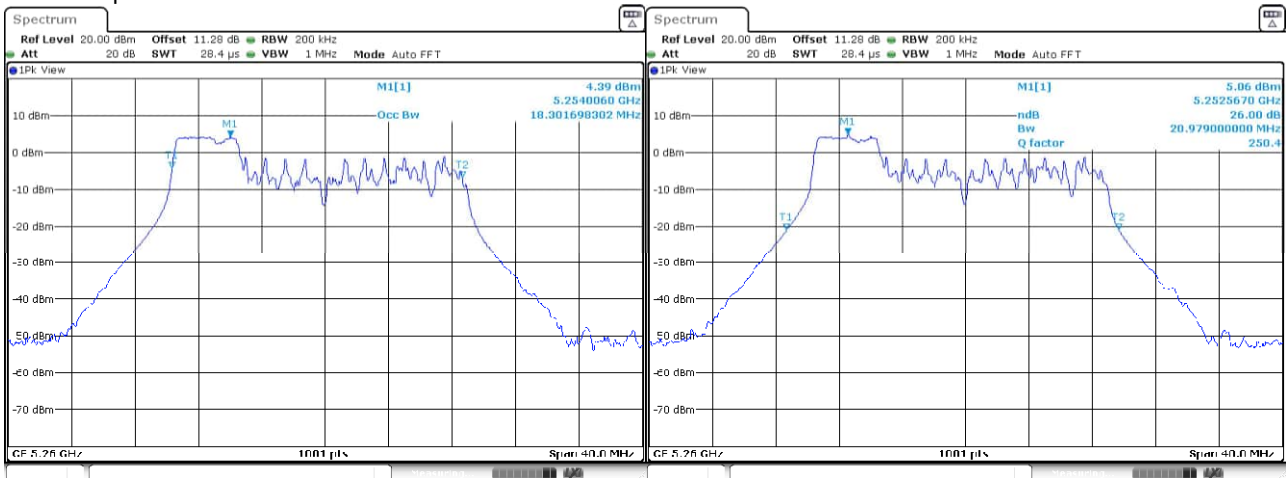
99% Occupied Bandwidth

26dB Bandwidth



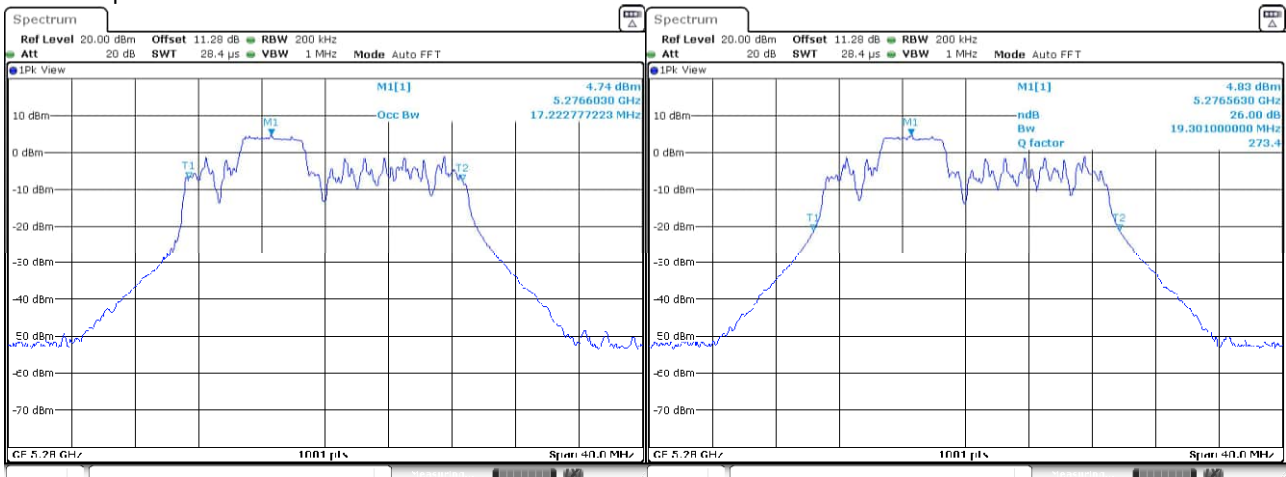
(5.3 GHz Band)
Channel: 52[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



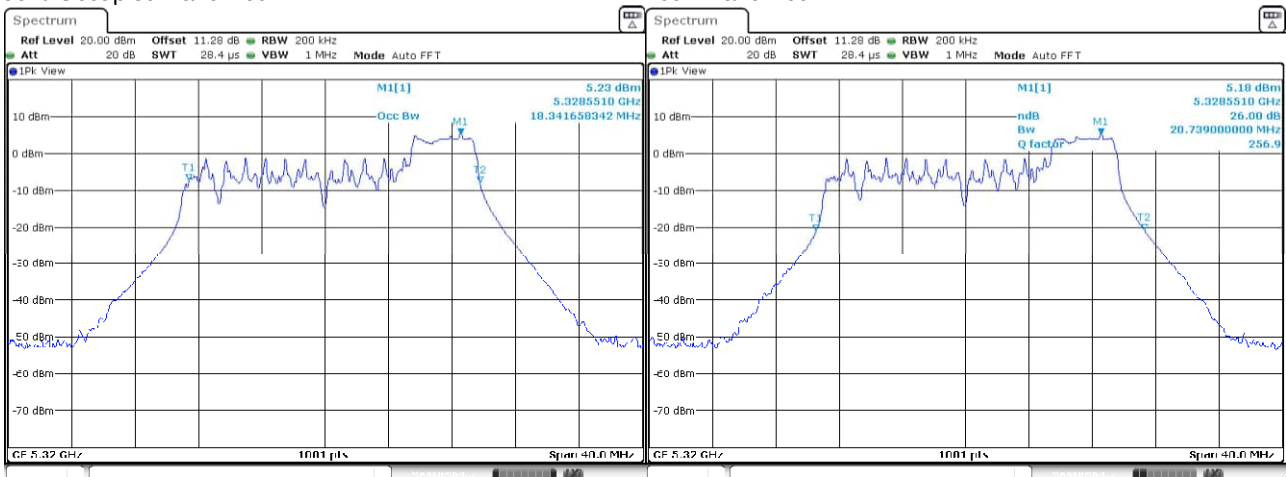
Channel: 56[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



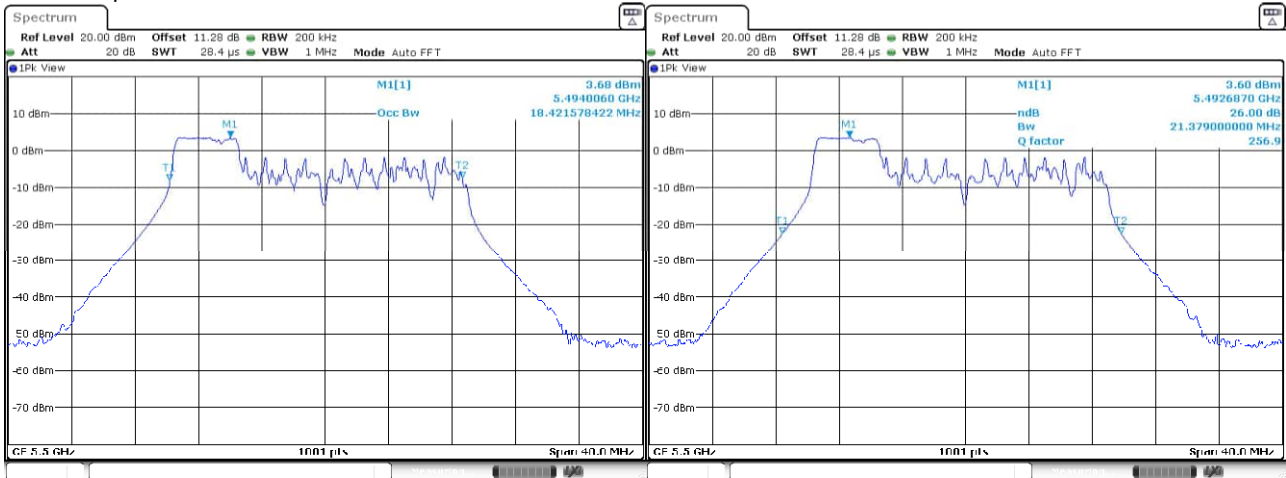
Channel: 64[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



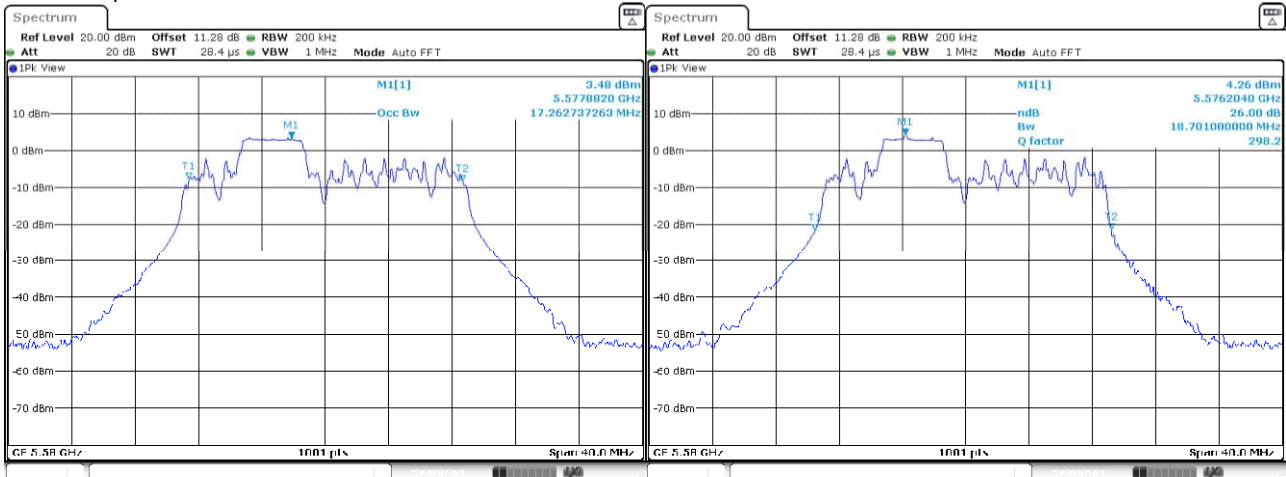
(5.6 GHz Band)
Channel: 100[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



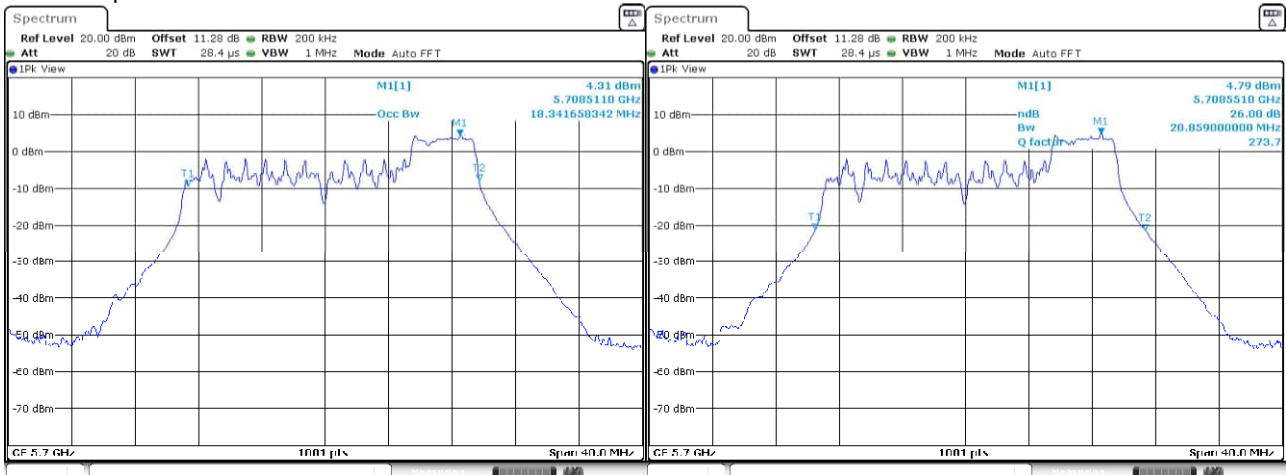
Channel: 116[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



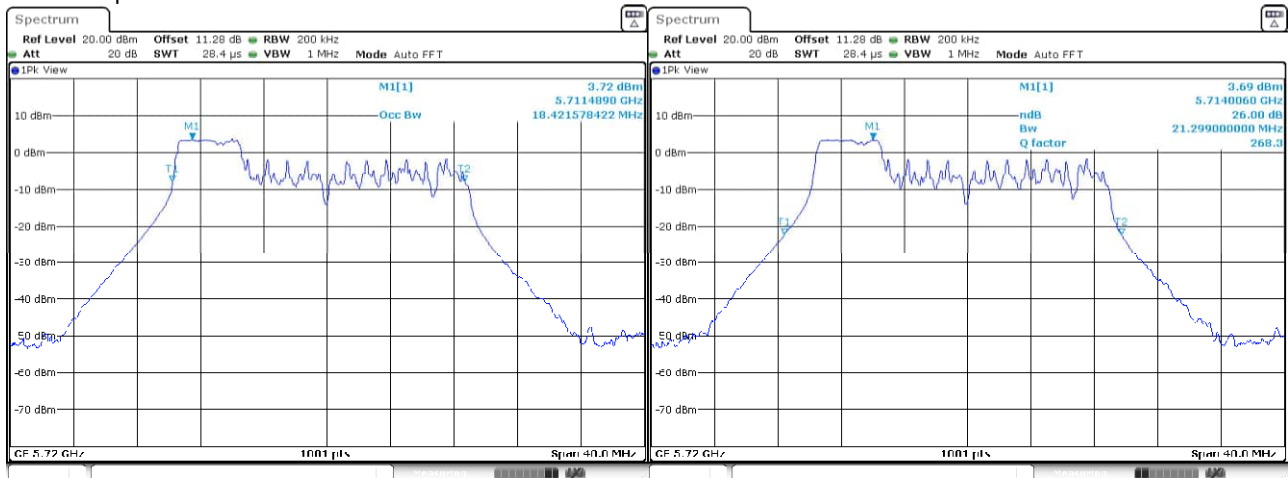
Channel: 140[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 144[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth

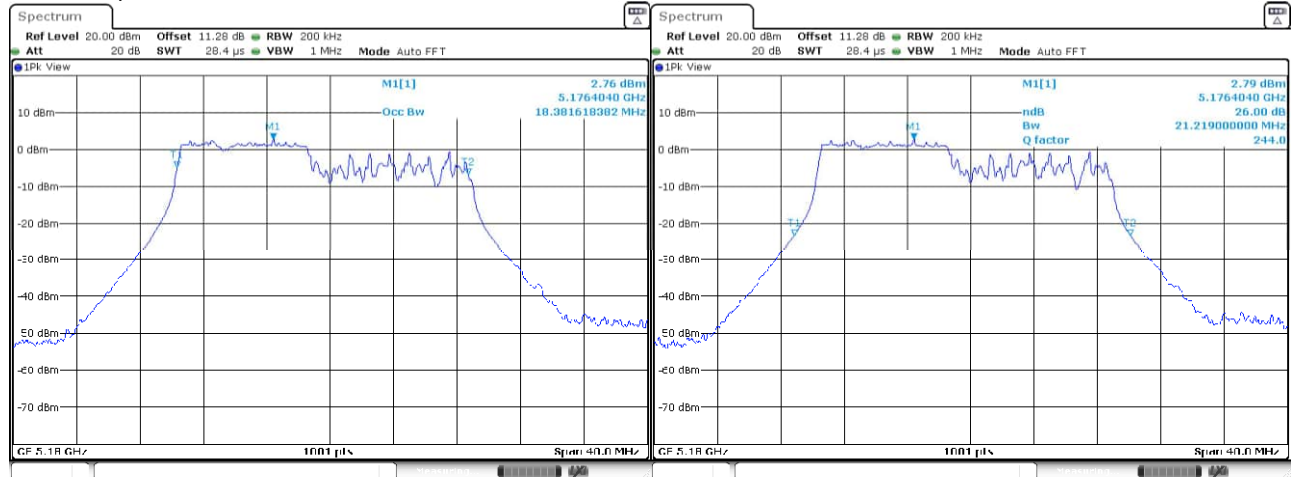


**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)**

Channel: 36[Chain 1]

99% Occupied Bandwidth

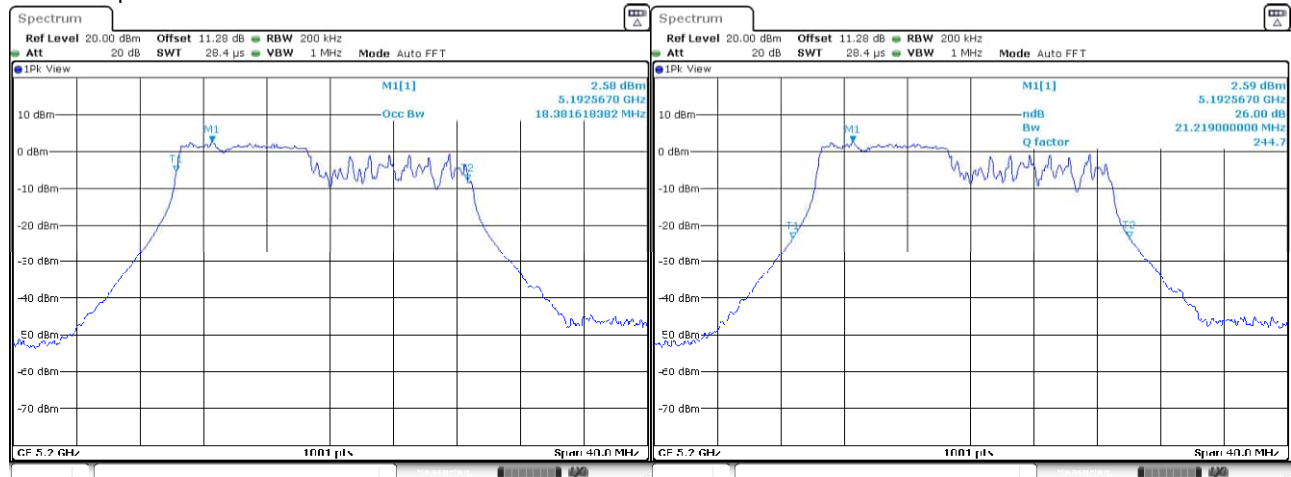
26dB Bandwidth



Channel: 40[Chain 1]

99% Occupied Bandwidth

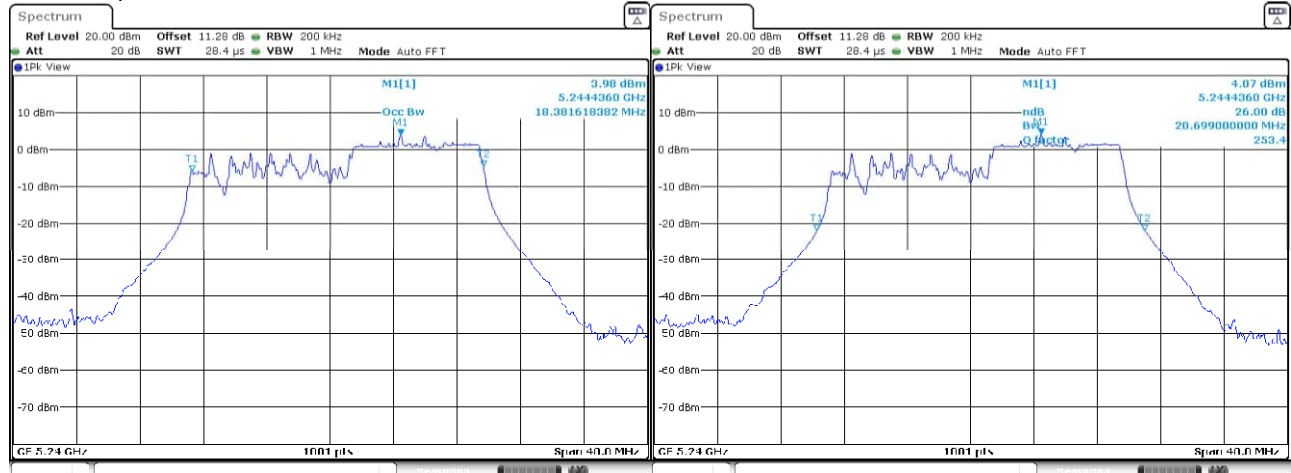
26dB Bandwidth



Channel: 48[Chain 1]

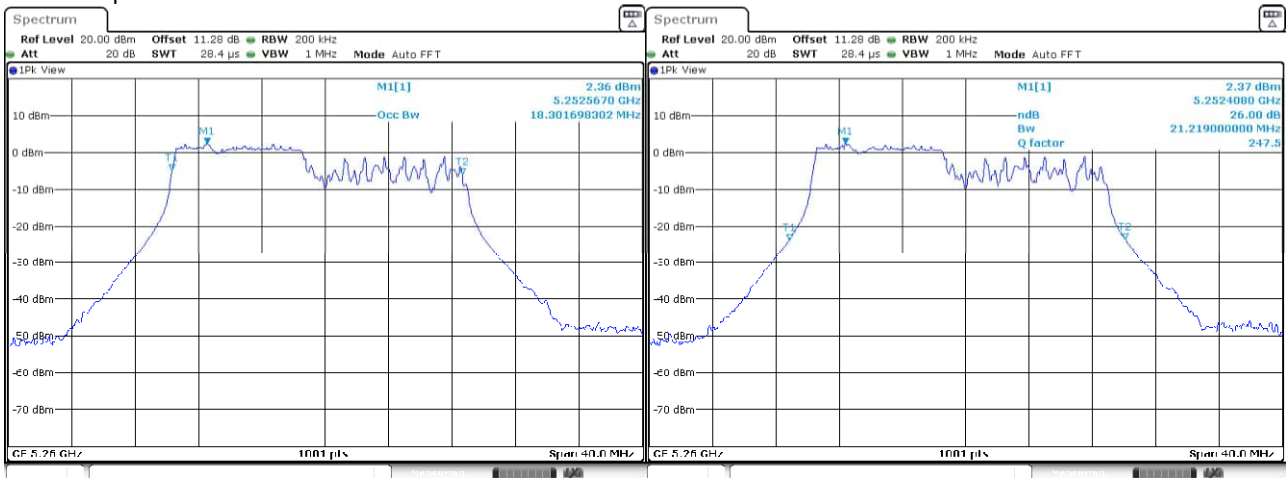
99% Occupied Bandwidth

26dB Bandwidth



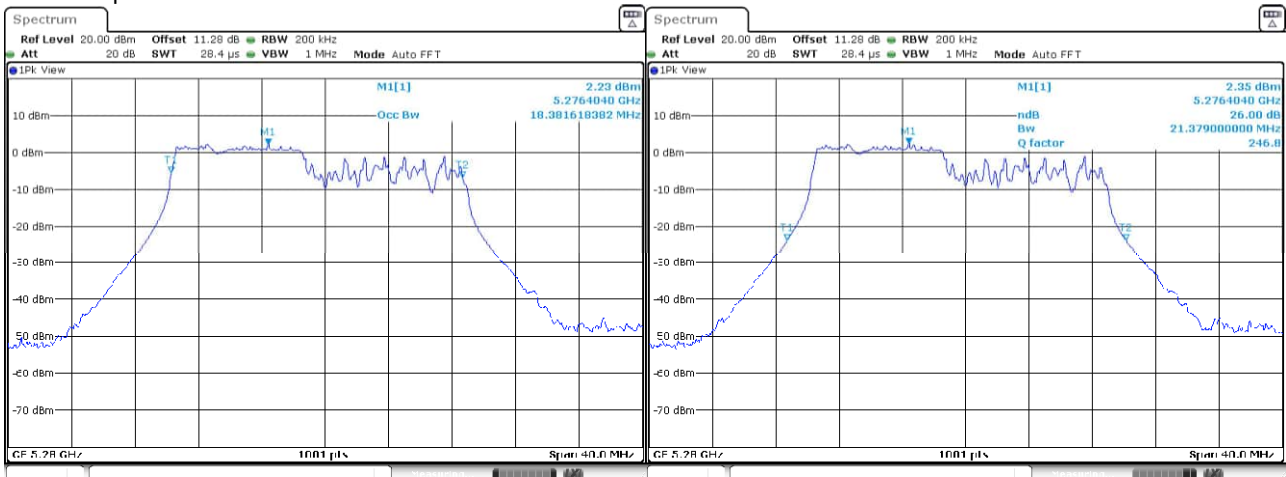
(5.3 GHz Band)
Channel: 52[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



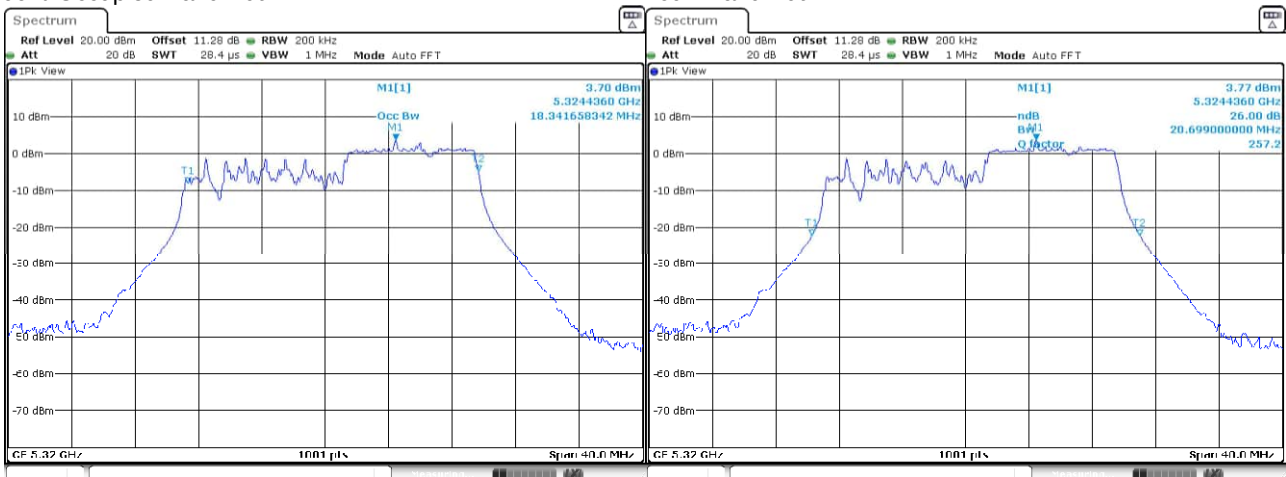
Channel: 56[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



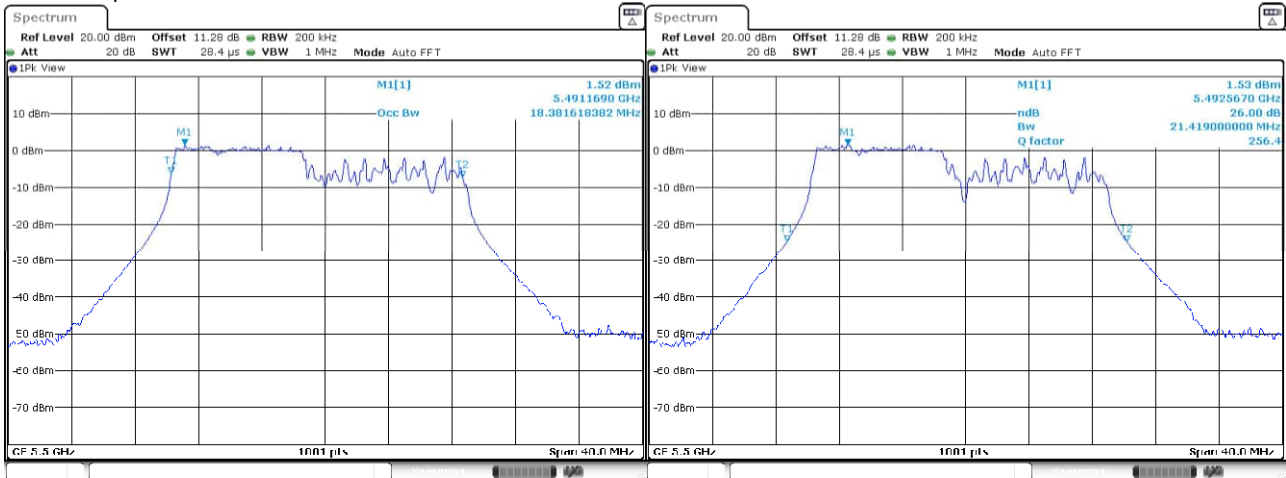
Channel: 64[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



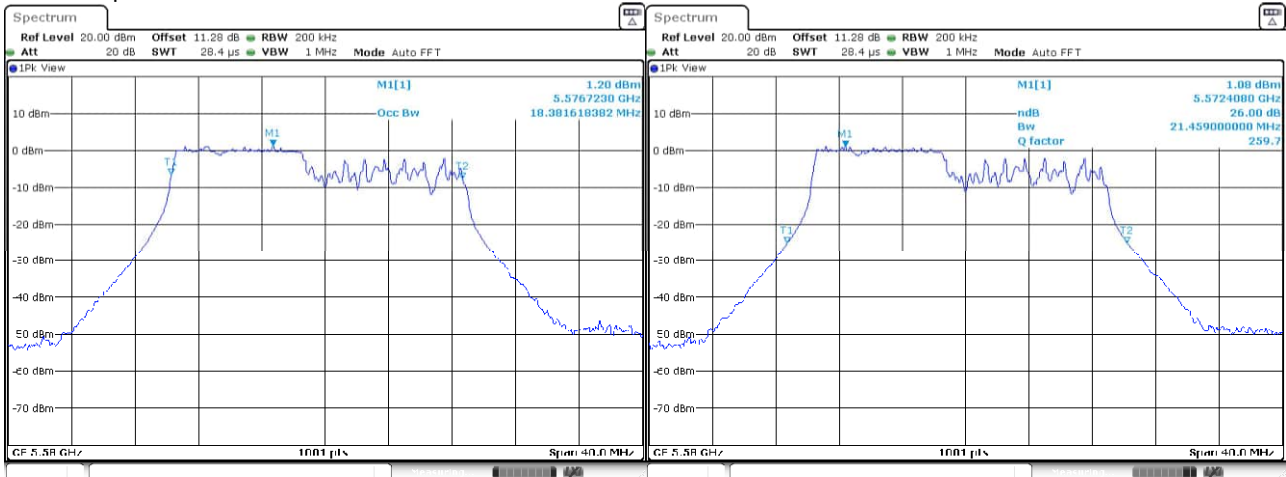
(5.6 GHz Band)
Channel: 100[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



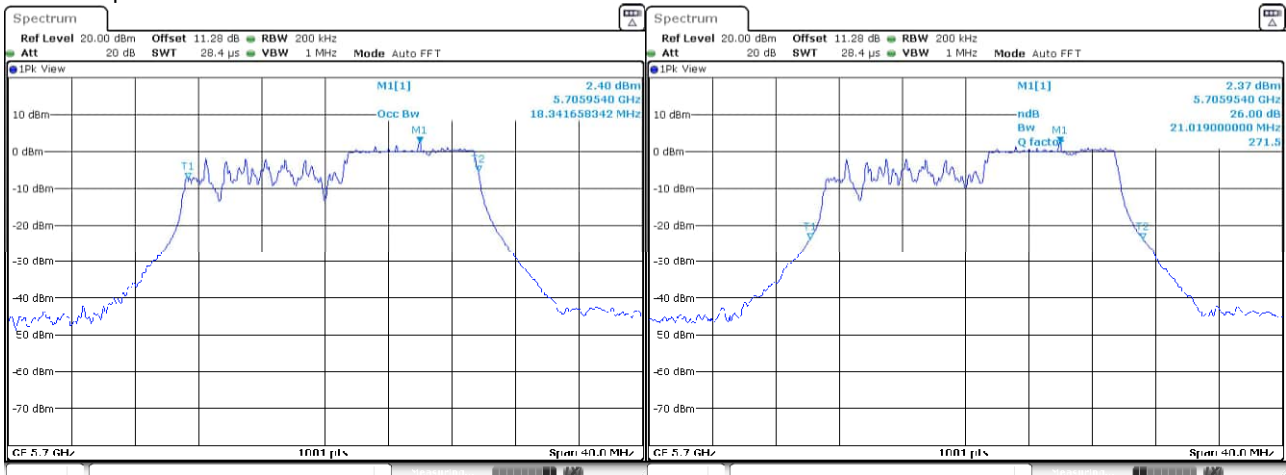
Channel: 116[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth

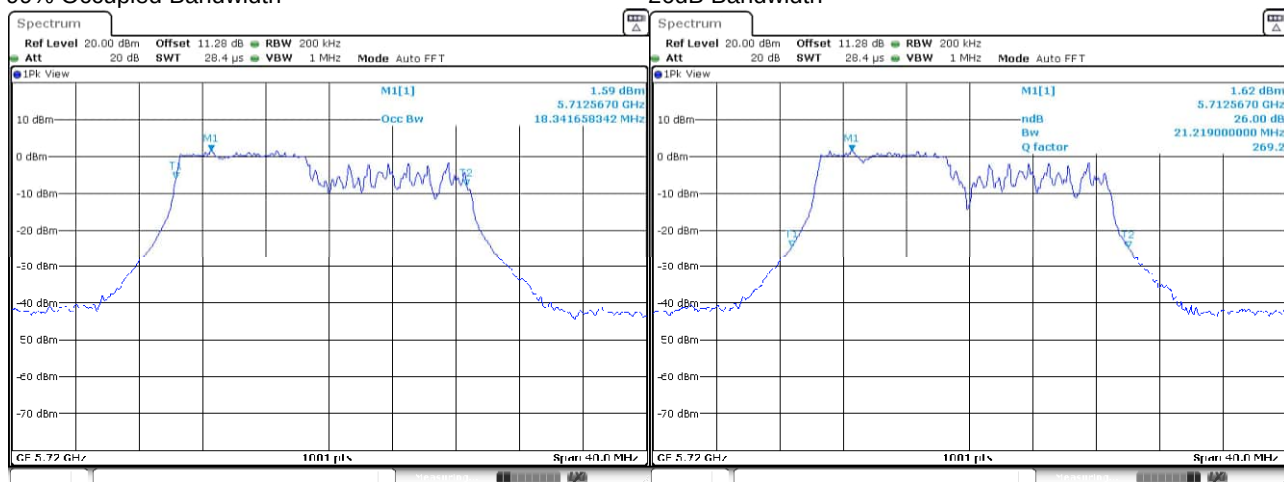


Channel: 140[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



26dB Bandwidth



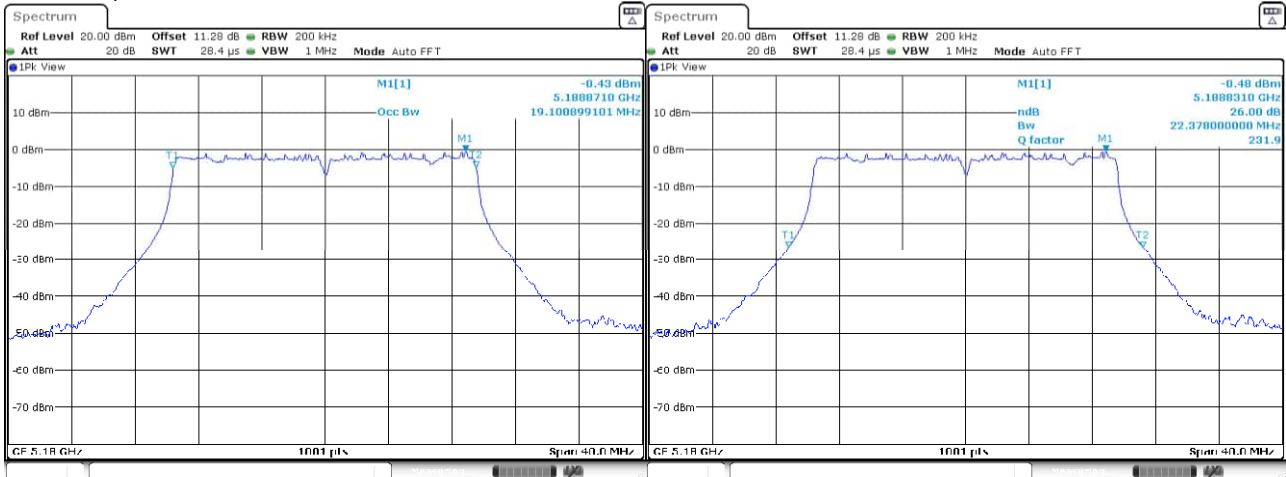
[IEEE802.11ax_HE20_242-Tones]

(5.2 GHz Band)

Channel: 36[Chain 1]

99% Occupied Bandwidth

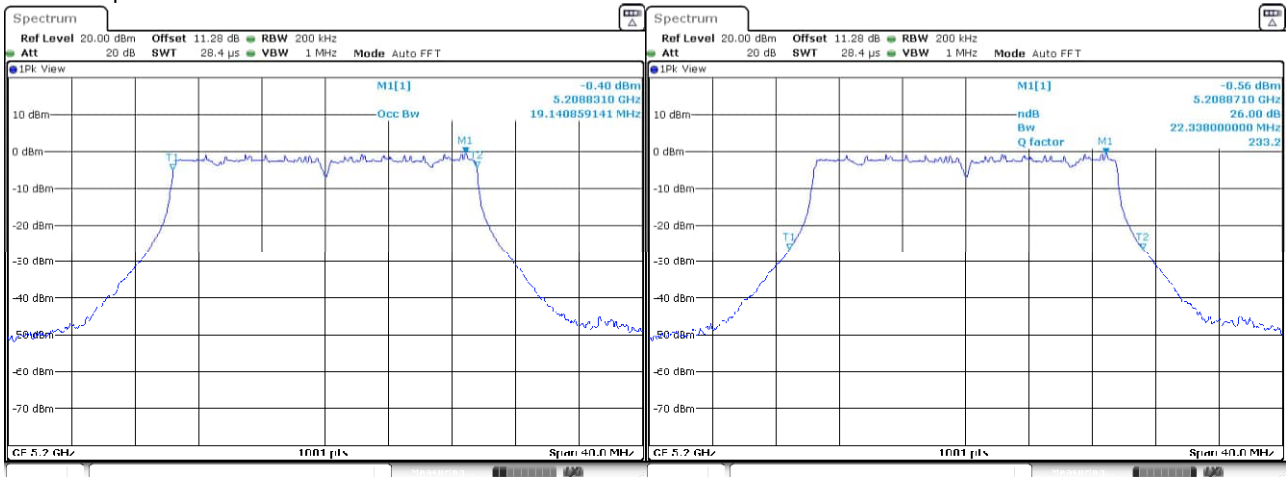
26dB Bandwidth



Channel: 40[Chain 1]

99% Occupied Bandwidth

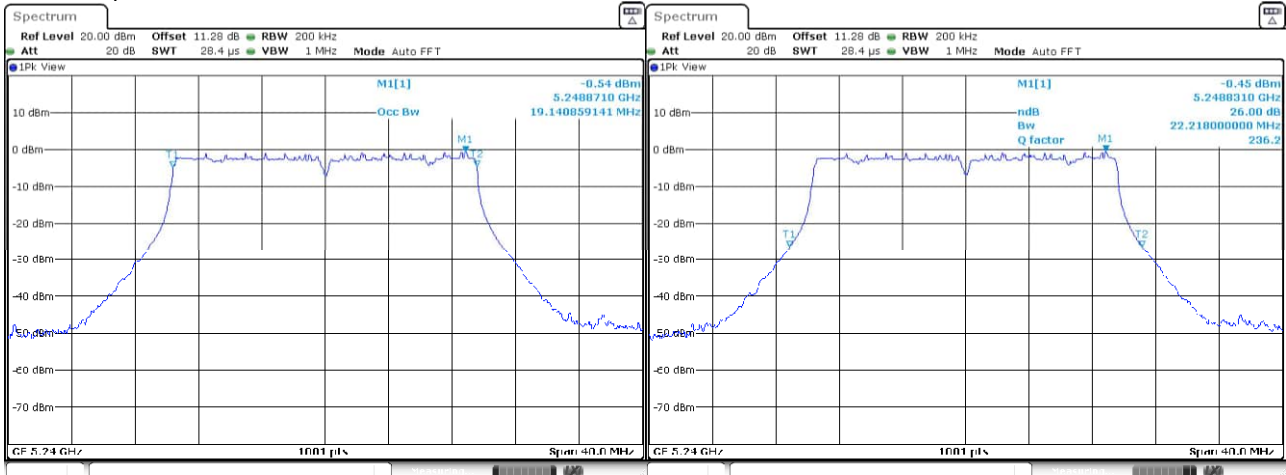
26dB Bandwidth



Channel: 48[Chain 1]

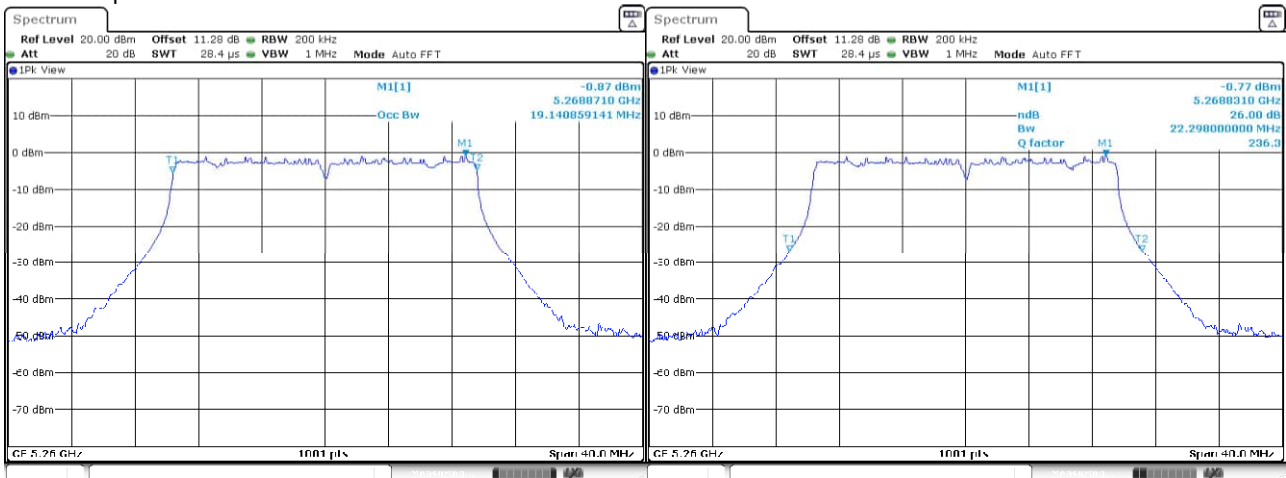
99% Occupied Bandwidth

26dB Bandwidth



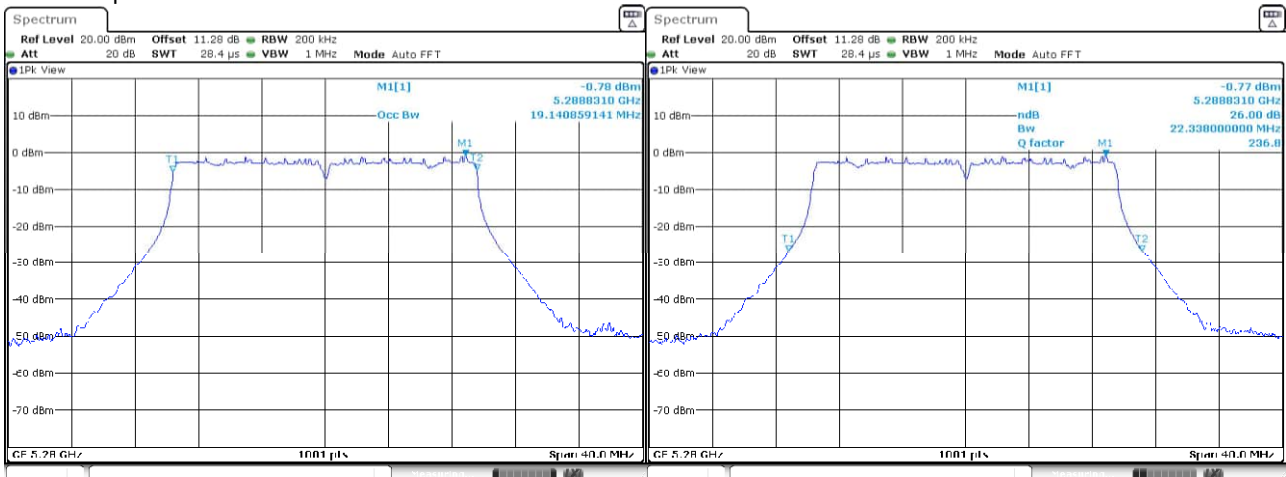
(5.3 GHz Band)
Channel: 52[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



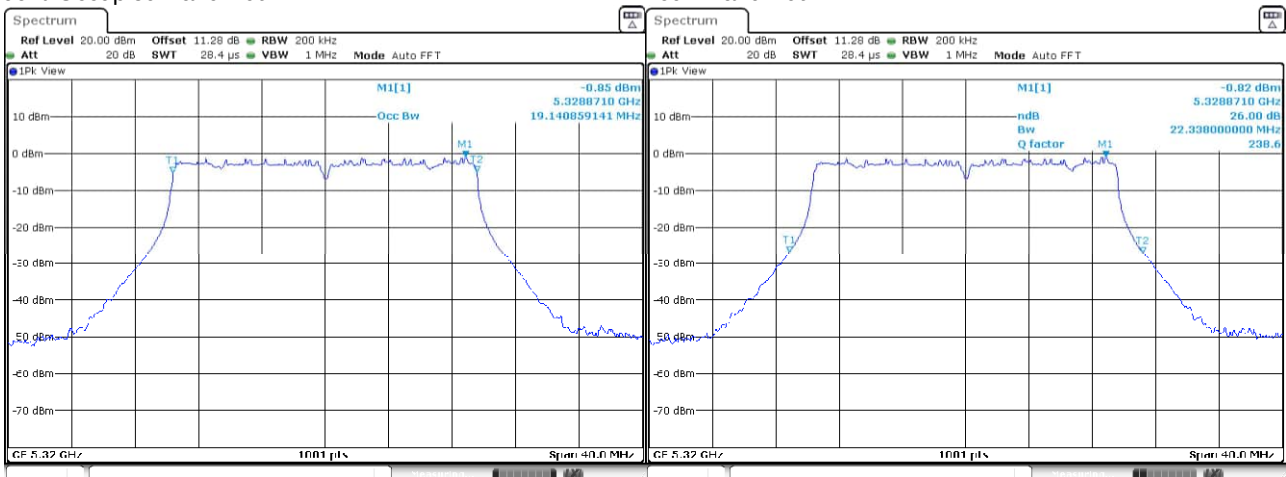
Channel: 56[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



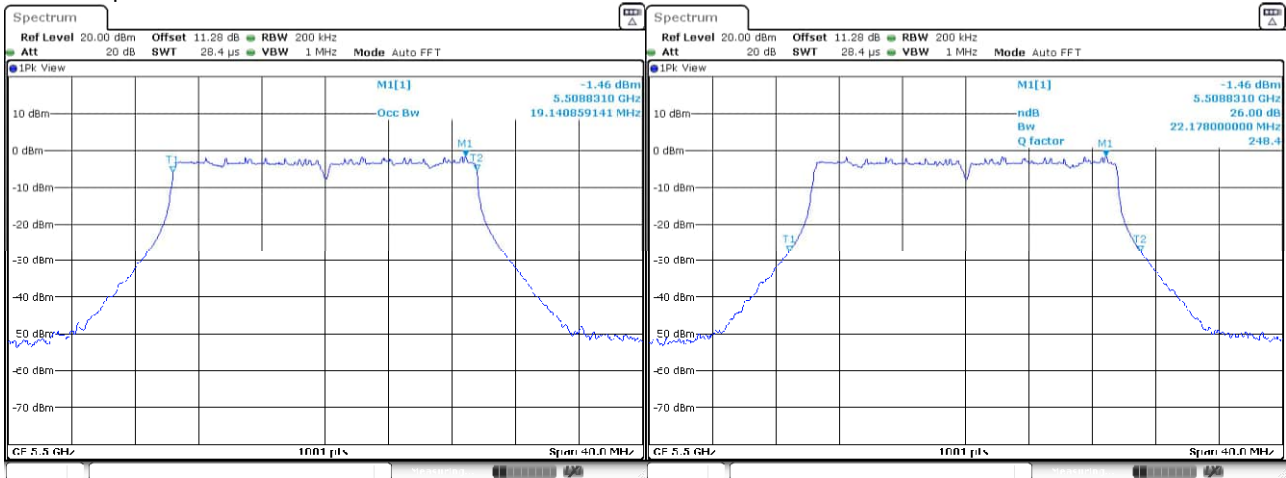
Channel: 64[Chain 1]
 99% Occupied Bandwidth

26dB Bandwidth



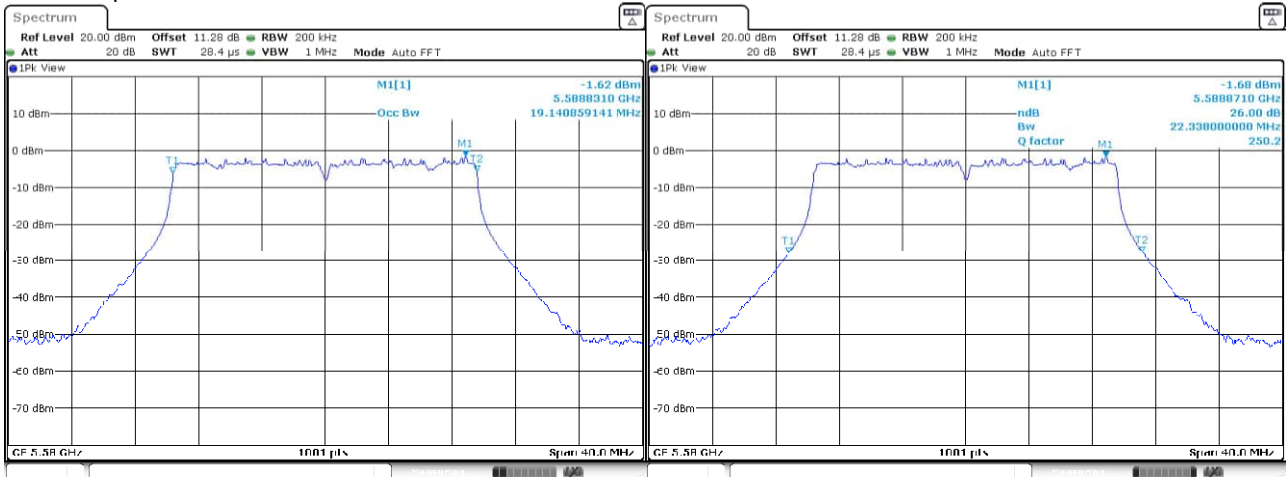
(5.6 GHz Band)
Channel: 100[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



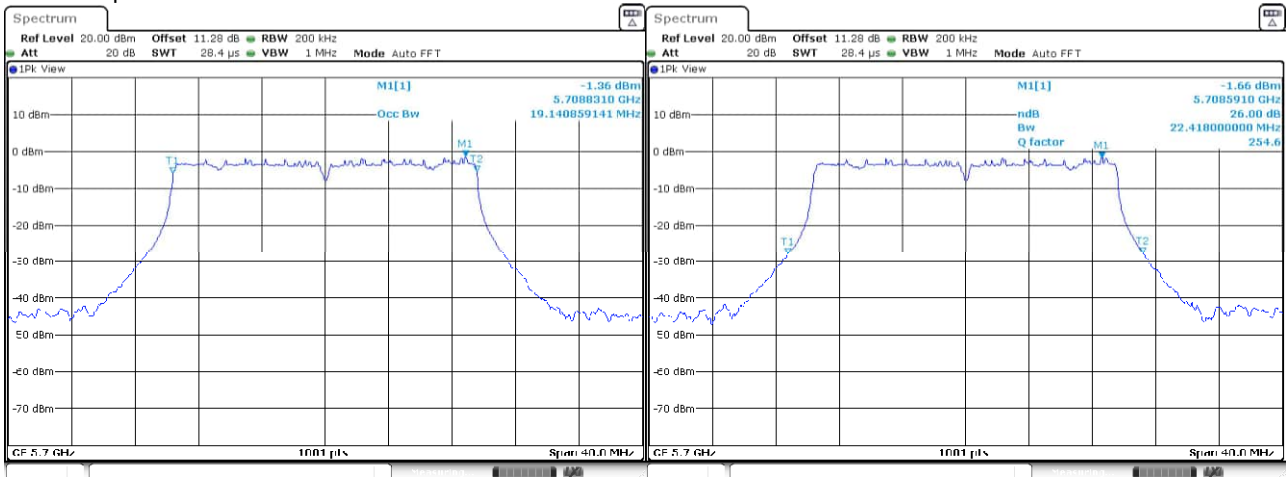
Channel: 116[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth

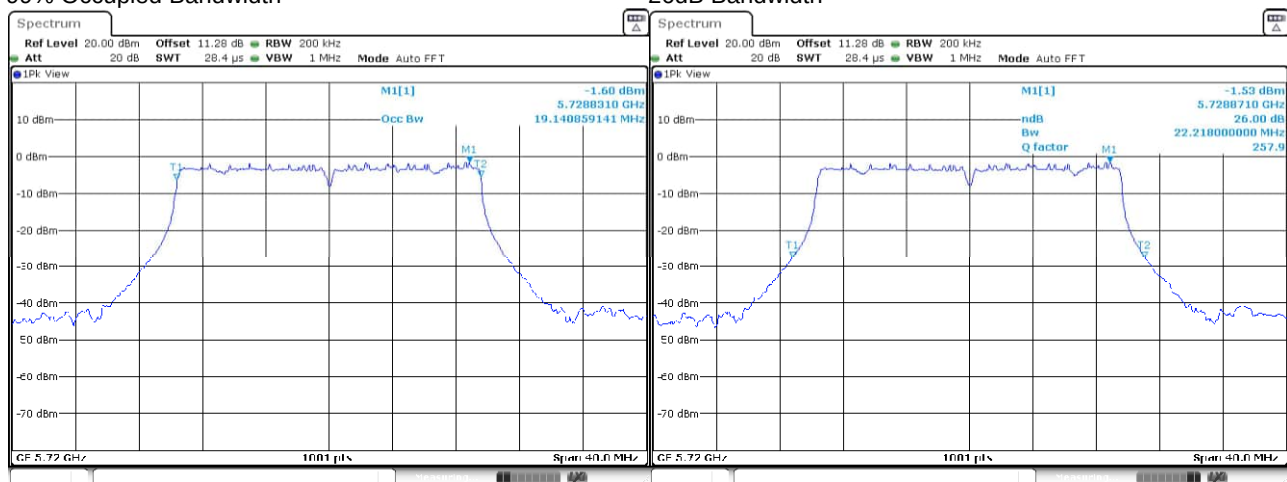


Channel: 140[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



26dB Bandwidth



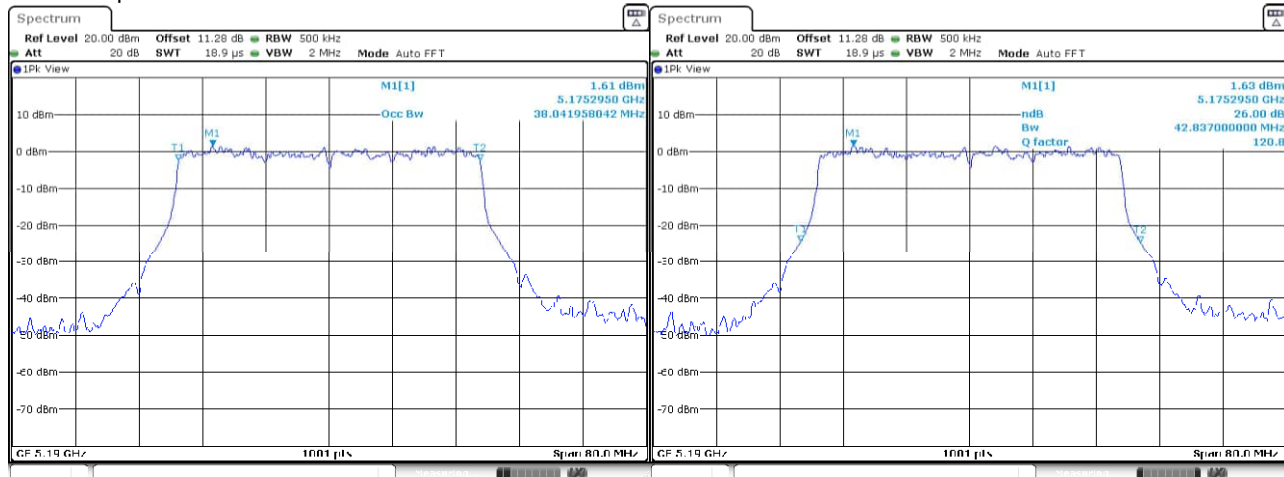
[IEEE802.11ax_HE40_484-Tones]

(5.2 GHz Band)

Channel: 38[Chain 1]

99% Occupied Bandwidth

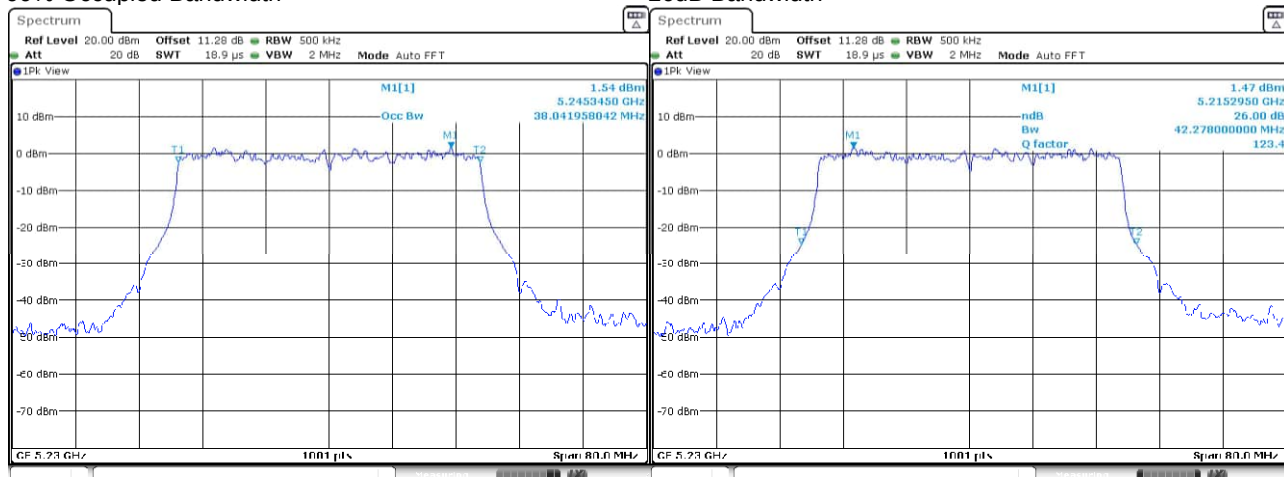
26dB Bandwidth



Channel: 46[Chain 1]

99% Occupied Bandwidth

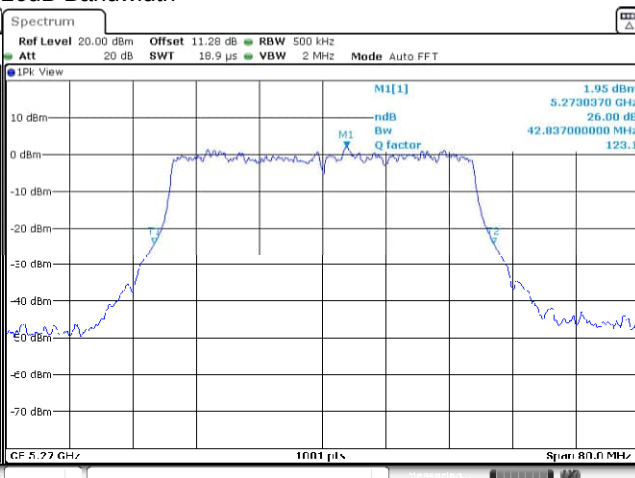
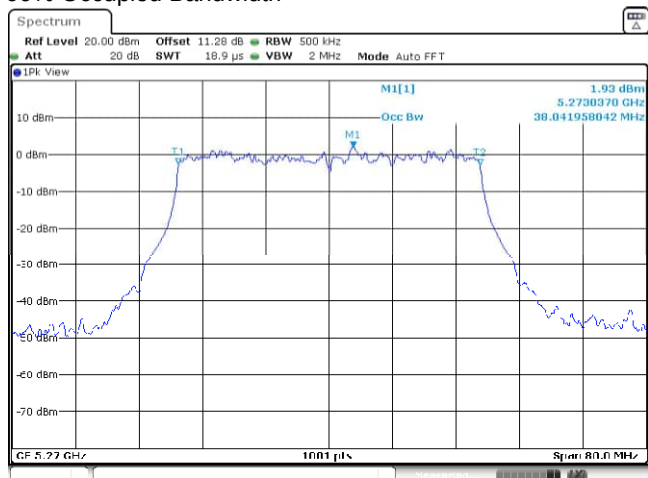
26dB Bandwidth



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

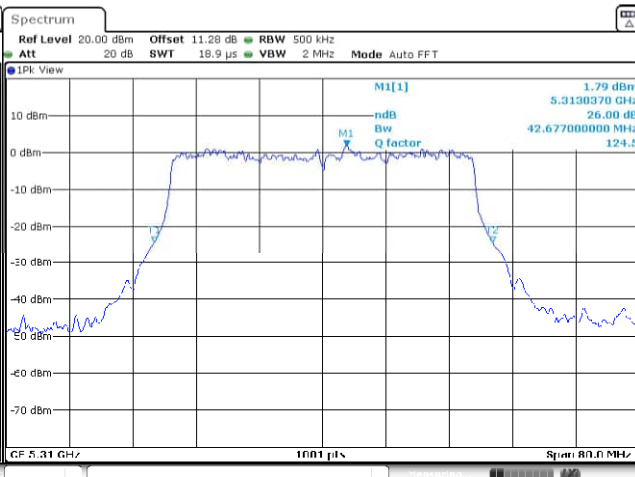
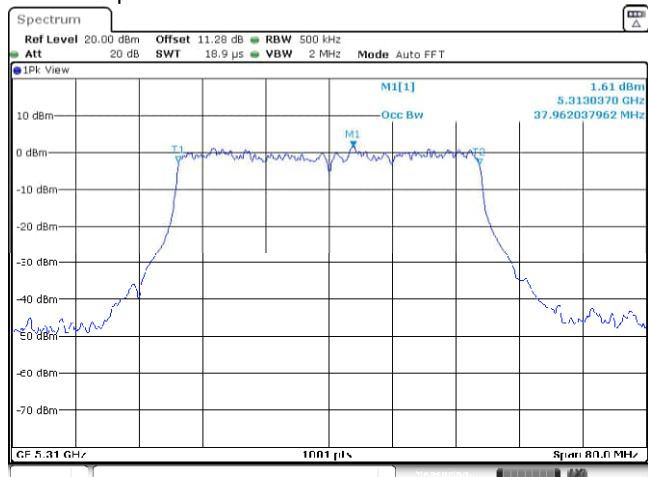
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 62[Chain 1]**

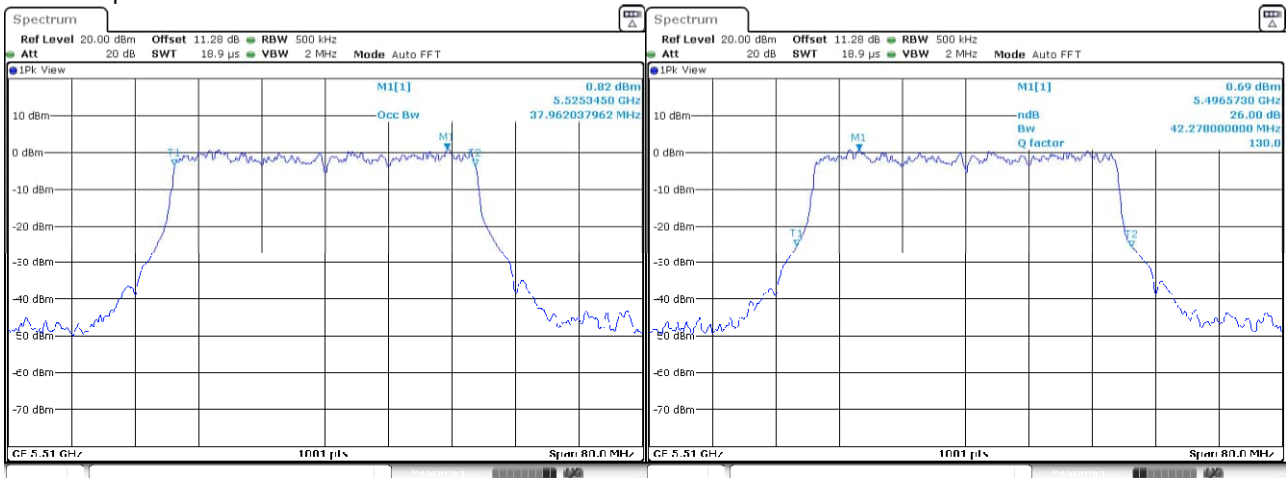
99% Occupied Bandwidth

26dB Bandwidth



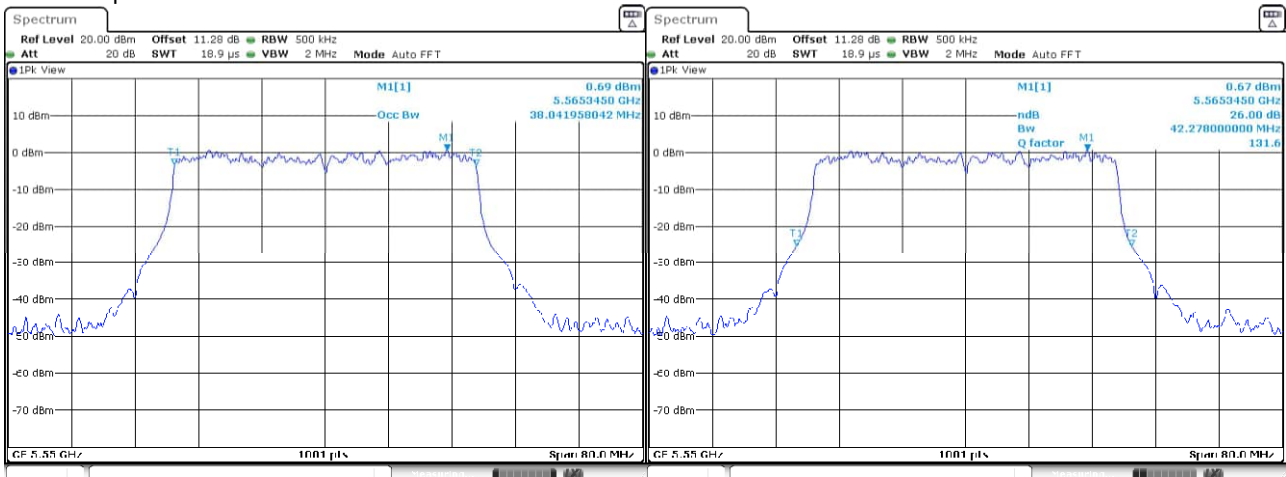
(5.6 GHz Band)
Channel: 102[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



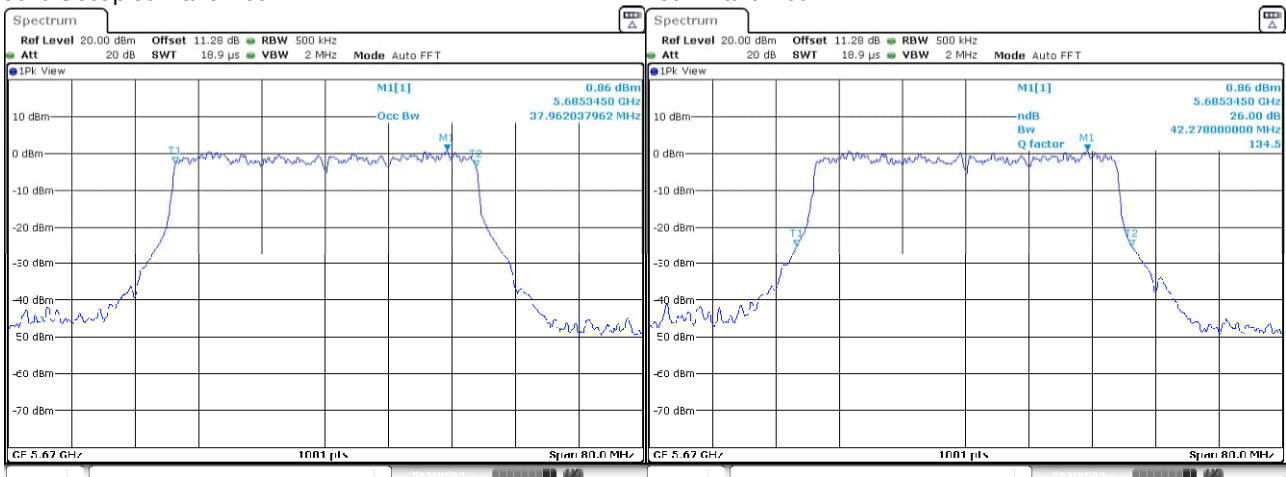
Channel: 110[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



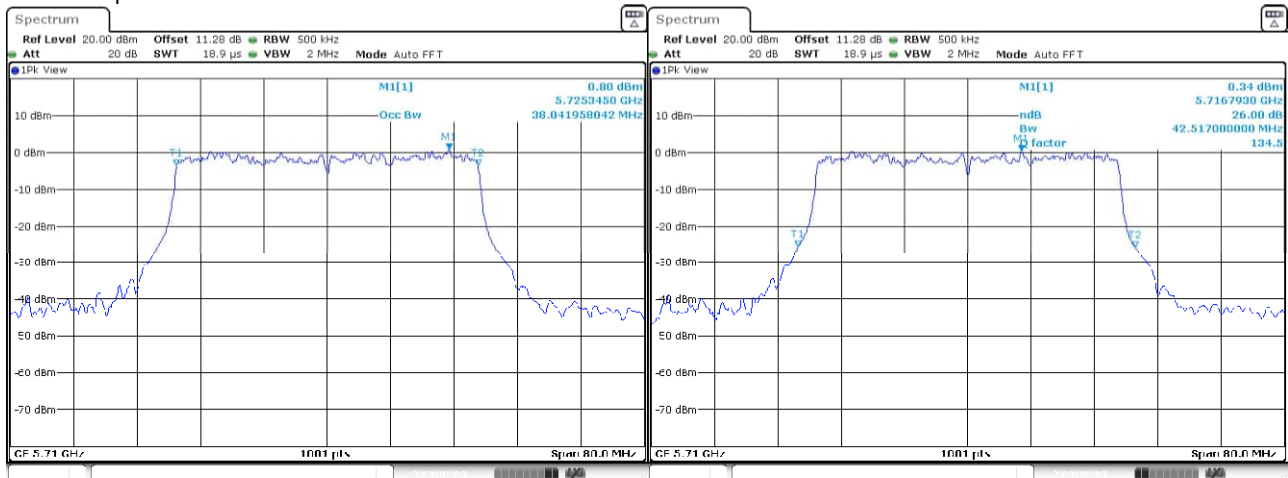
Channel: 134[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



(5.6 GHz Band)
Channel: 142[Chain 1]
99% Occupied Bandwidth

26dB Bandwidth



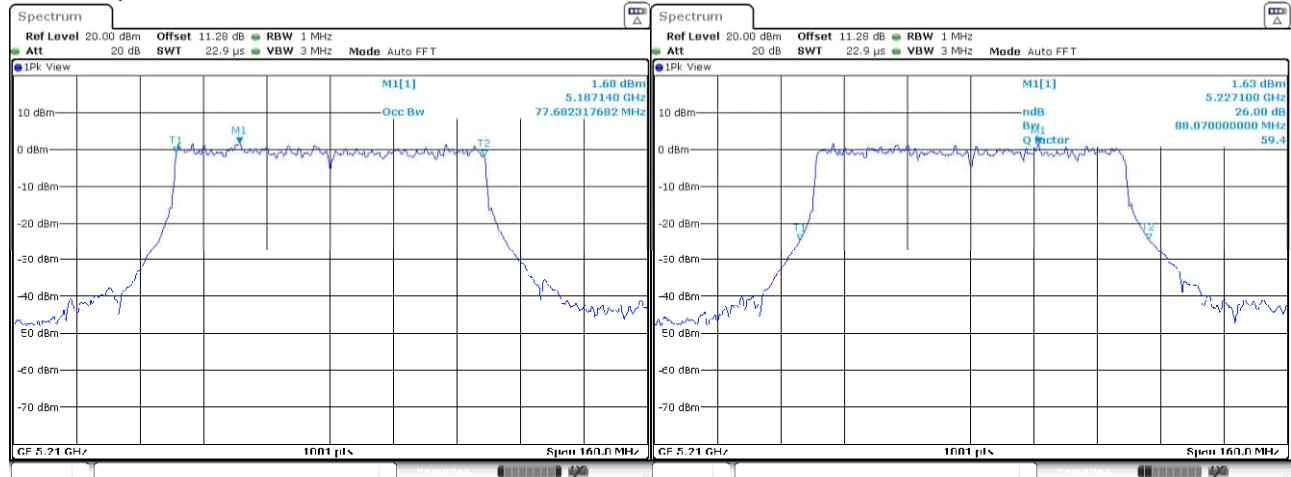
[IEEE802.11ax_HE80_996-Tones]

(5.2 GHz Band)

Channel: 42[Chain 1]

99% Occupied Bandwidth

26dB Bandwidth

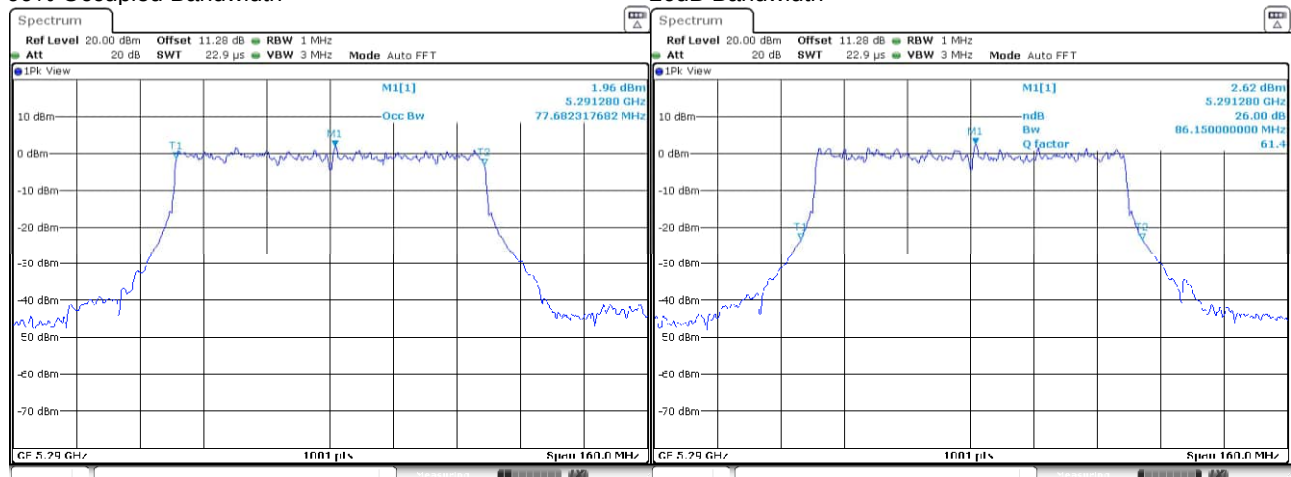


(5.3GHz Band)

Channel: 58[Chain 1]

99% Occupied Bandwidth

26dB Bandwidth

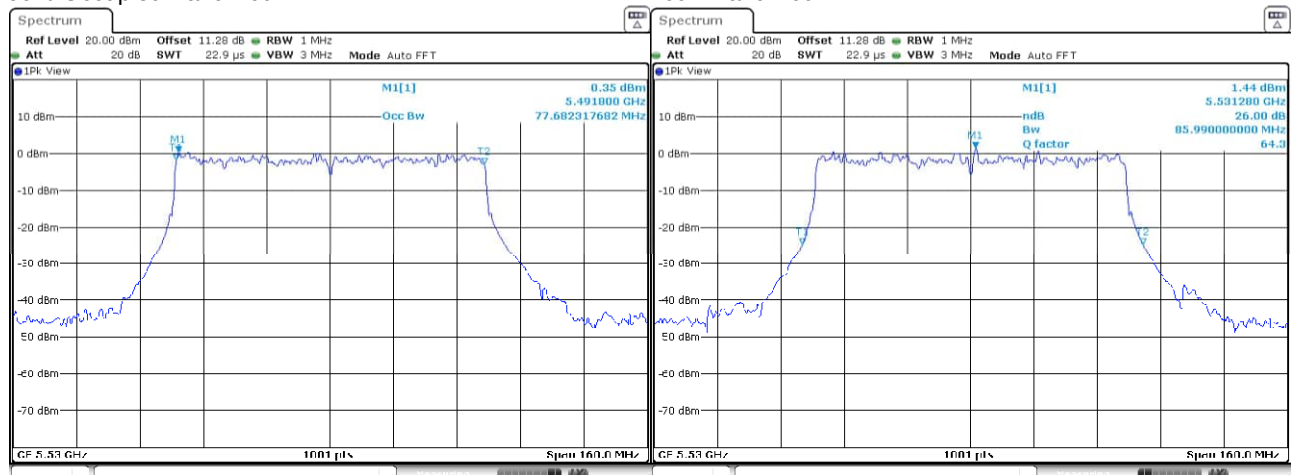


(5.6 GHz Band)

Channel: 106[Chain 1]

99% Occupied Bandwidth

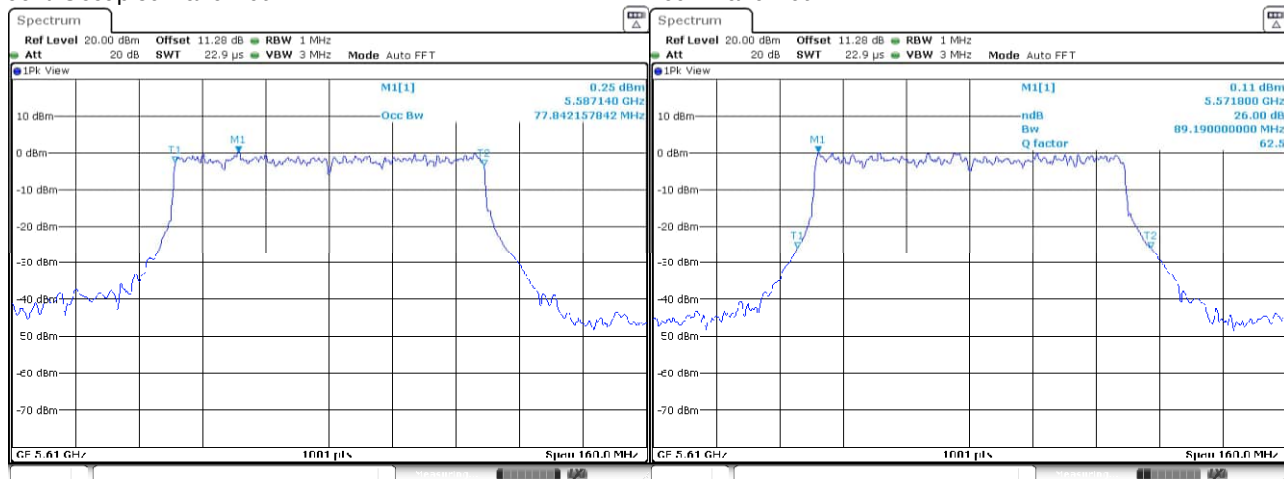
26dB Bandwidth



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

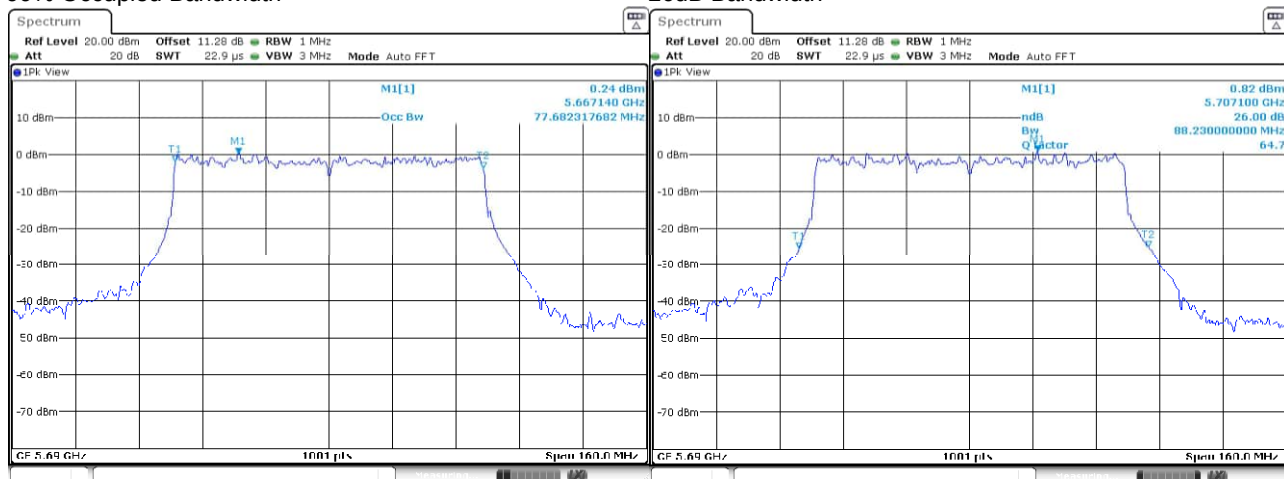
99% Occupied Bandwidth

26dB Bandwidth

**Channel: 138[Chain 1]**

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;

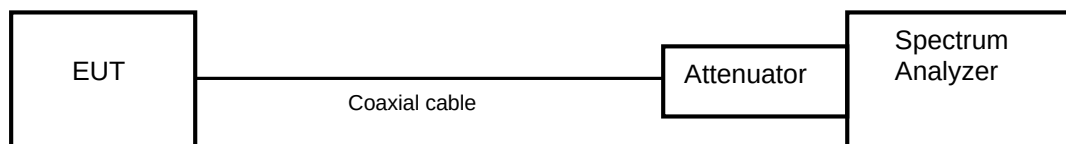
- RBW=1MHz, VBW=3MHz, Span=35MHz/70MHz/140MHz, Sweep=Proper Settings, Detector=RMS, Trace mode=Averaging

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	0.3	1	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

<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 26-Tones	250	23.97	0.3	23.97
	802.11ax HE20 52-Tones				
	802.11ax HE20 106-Tones				
	802.11ax HE20 242-Tones				
	802.11ax HE40 484-Tones				
	802.11ax HE80 996-Tones				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11ax HE20 26-Tones	250	23.97	1.3	23.72
		18.701	23.72		
	802.11ax HE20 52-Tones	250	23.97		23.87
		19.381	23.87		
	802.11ax HE20 106-Tones	250	23.97		23.97
		20.659	24.15		
	802.11ax HE20 242-Tones	250	23.97		23.97
		22.258	24.47		
	802.11ax HE40 484-Tones	250	23.97		23.97
		42.038	27.24		
	802.11ax HE80 996-Tones	250	23.97		23.97
		87.430	30.42		

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11ax HE20 26-Tones	250	23.97	2.6	23.72
		18.621	23.70		
	802.11ax HE20 52-Tones	250	23.97		23.79
		19.021	23.79		
	802.11ax HE20 106-Tones	250	23.97		23.97
		20.939	24.21		
	802.11ax HE20 242-Tones	250	23.97		23.97
		22.298	24.48		
	802.11ax HE40 484-Tones	250	23.97		23.97
		42.358	27.27		
	802.11ax HE80 996-Tones	250	23.97		23.97
		87.430	30.42		

<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 26-Tones	250	23.97	1.0	23.97
	802.11ax HE20 52-Tones				
	802.11ax HE20 106-Tones				
	802.11ax HE20 242-Tones				
	802.11ax HE40 484-Tones				
	802.11ax HE80 996-Tones				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11ax HE20 26-Tones	250	23.97	1.1	23.72
		18.701	23.72		
	802.11ax HE20 52-Tones	250	23.97		23.86
		19.301	23.86		
	802.11ax HE20 106-Tones	250	23.97		23.97
		20.699	24.16		
	802.11ax HE20 242-Tones	250	23.97		23.97
		22.298	24.48		
	802.11ax HE40 484-Tones	250	23.97		23.97
		42.677	27.30		
	802.11ax HE80 996-Tones	250	23.97		23.97
		86.150	30.35		

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11ax HE20 26-Tones	250	23.97	2.2	23.69
		18.581	23.69		
	802.11ax HE20 52-Tones	250	23.97		23.72
		18.701	23.72		
	802.11ax HE20 106-Tones	250	23.97		23.97
		21.019	24.23		
	802.11ax HE20 242-Tones	250	23.97		23.97
		22.178	24.46		
	802.11ax HE40 484-Tones	250	23.97		23.97
		42.278	27.26		
	802.11ax HE80 996-Tones	250	23.97		23.97
		85.990	30.34		

<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 26-Tones	250	23.97	0.66	23.97
	802.11ax HE20 52-Tones				
	802.11ax HE20 106-Tones				
	802.11ax HE20 242-Tones				
	802.11ax HE40 484-Tones				
	802.11ax HE80 996-Tones				

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.3GHz Band	802.11ax HE20 26-Tones	250	23.97	1.2	23.72
		18.701	23.72		
	802.11ax HE20 52-Tones	250	23.97		23.86
		19.301	23.86		
	802.11ax HE20 106-Tones	250	23.97		23.97
		20.659	24.15		
	802.11ax HE20 242-Tones	250	23.97		23.97
		22.258	24.47		
	802.11ax HE40 484-Tones	250	23.97		23.97
		42.677	24.61		
	802.11ax HE80 996-Tones	250	23.97		23.97
		86.150	24.68		

Band	Mode	Power Limit (mW)	Calculated Limit (dBm)	Antenna Gain (dBi)	Determined Limit (dBm)
		Least 26dBc BW (MHz)			
5.6GHz Band	802.11ax HE20 26-Tones	250	23.97	2.4	23.69
		18.581	23.69		
	802.11ax HE20 52-Tones	250	23.97		23.72
		18.701	23.72		
	802.11ax HE20 106-Tones	250	23.97		23.97
		21.019	24.21		
	802.11ax HE20 242-Tones	250	23.97		23.97
		22.178	24.46		
	802.11ax HE40 484-Tones	250	23.97		23.97
		42.278	24.67		
	802.11ax HE80 996-Tones	250	23.97		23.97
		85.990	24.71		

4.2.4 Measurement result

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

Test engineer : Kazunori Saito

Date : 9-December-2025
 Temperature : 18.6 [°C]
 Humidity : 48.6 [%]
 Test place : Shielded room No.4

Test engineer : Kazunori Saito

Date : 10-December-2025
 Temperature : 19.7 [°C]
 Humidity : 45.8 [%]
 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	9.35	5.085	5.378	0.946	0.241	9.59	9.096
	40	5200	8.99					9.23	8.385
	58	5240	9.19					9.43	8.764
	52	5260	9.02	5.085	5.378	0.946	0.241	9.26	8.439
	56	5280	8.59					8.83	7.646
	64	5320	8.92					9.16	8.249
	100	5500	8.46	5.085	5.378	0.946	0.241	8.70	7.411
	116	5580	7.77					8.01	6.323
	140	5700	8.37					8.61	7.266
	144	5720	8.37					8.61	7.266

[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	9.23	5.070	5.363	0.945	0.246	9.47	8.853
	40	5200	9.06					9.31	8.532
	58	5240	9.04					9.29	8.484
	52	5260	8.94	5.070	5.363	0.945	0.246	9.18	8.282
	56	5280	8.65					8.90	7.758
	64	5320	8.80					9.05	8.026
	100	5500	8.33	5.070	5.363	0.945	0.246	8.57	7.198
	116	5580	7.85					8.10	6.452
	140	5700	8.25					8.50	7.078
	144	5720	8.27					8.52	7.105

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	8.87	3.891	4.118	0.945	0.246	9.12	8.161
	40	5200	8.98					9.23	8.368
	58	5240	9.53					9.77	9.494
	52	5260	9.10	3.891	4.118	0.945	0.246	9.35	8.610
	56	5280	9.16					9.40	8.714
	64	5320	9.64					9.88	9.738
	100	5500	9.46	3.891	4.118	0.945	0.246	9.71	9.353
	116	5580	9.18					9.43	8.772
	140	5700	8.59					8.83	7.641
	144	5720	9.05					9.30	8.502

[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	9.09	1.735	1.850	0.938	0.278	9.37	8.646
	40	5200	9.19					9.46	8.838
	58	5240	9.37					9.65	9.218
	52	5260	9.33	1.735	1.850	0.938	0.278	9.61	9.143
	56	5280	9.36					9.63	9.192
	64	5320	9.46					9.74	9.424
	100	5500	9.45	1.735	1.850	0.938	0.278	9.73	9.394
	116	5580	9.23					9.51	8.924
	140	5700	8.74					9.02	7.979
	144	5720	9.13					9.40	8.717

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			
802.11ax HE40 484-Tones	38	5190	9.17	0.904	0.969	0.933	0.301	9.47	8.861
	46	5230	9.36					9.66	9.251
	54	5270	9.38	0.904	0.969	0.933	0.301	9.68	9.298
	62	5310	9.50					9.80	9.549
	102	5510	9.50	0.904	0.969	0.933	0.301	9.81	9.561
	110	5550	9.59					9.89	9.759
	134	5670	9.23					9.53	8.978
	142	5710	8.92					9.22	8.350

[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	9.42	0.663	0.715	0.927	0.329	9.75	9.439
	58	5290	9.64	0.663	0.715	0.927	0.329	9.97	9.929
	106	5530	9.83	0.663	0.715	0.927	0.329	10.16	10.370
	122	5610	9.36	0.663	0.715	0.927	0.329	9.69	9.303
	138	5690	9.05	0.663	0.715	0.927	0.329	9.38	8.674

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			
802.11ax HE20 26-Tones	36	5180	9.61	5.085	5.378	0.946	0.241	9.85	9.665
	40	5200	9.23					9.47	8.850
	58	5240	9.47					9.71	9.355
	52	5260	9.33	5.085	5.378	0.946	0.241	9.57	9.063
	56	5280	8.84					9.08	8.089
	64	5320	9.19					9.43	8.774
	100	5500	8.62	5.085	5.378	0.946	0.241	8.86	7.693
	116	5580	7.94					8.18	6.579
	140	5700	8.53					8.77	7.542
	144	5720	8.54					8.78	7.557

[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	9.42	5.070	5.363	0.945	0.246	9.67	9.259
	40	5200	9.22					9.47	8.845
	58	5240	9.28					9.52	8.956
	52	5260	9.12	5.070	5.363	0.945	0.246	9.36	8.636
	56	5280	8.89					9.14	8.204
	64	5320	9.03					9.28	8.471
	100	5500	8.50	5.070	5.363	0.945	0.246	8.75	7.491
	116	5580	8.00					8.24	6.674
	140	5700	8.42					8.67	7.357
	144	5720	8.49					8.73	7.471

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			
802.11ax HE20 106-Tones	36	5180	9.53	3.891	4.118	0.945	0.246	9.78	9.501
	40	5200	9.56					9.80	9.556
	58	5240	9.42					9.67	9.259
	52	5260	9.25	3.891	4.118	0.945	0.246	9.50	8.904
	56	5280	9.21					9.46	8.829
	64	5320	9.11					9.36	8.629
	100	5500	8.57	3.891	4.118	0.945	0.246	8.82	7.618
	116	5580	8.25					8.50	7.078
	140	5700	8.46					8.71	7.429
	144	5720	8.55					8.79	7.573

[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	9.52	1.735	1.850	0.938	0.278	9.79	9.536
	40	5200	9.54					9.82	9.596
	58	5240	9.45					9.72	9.383
	52	5260	9.23	1.735	1.850	0.938	0.278	9.50	8.919
	56	5280	9.19					9.47	8.857
	64	5320	9.16					9.44	8.792
	100	5500	8.59	1.735	1.850	0.938	0.278	8.86	7.697
	116	5580	8.31					8.59	7.226
	140	5700	8.45					8.73	7.465
	144	5720	8.60					8.88	7.731

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			
802.11ax HE40 484-Tones	38	5190	9.55	0.904	0.969	0.933	0.301	9.85	9.654
	46	5230	9.43					9.73	9.403
	54	5270	9.23	0.904	0.969	0.933	0.301	9.53	8.967
	62	5310	9.17					9.47	8.854
	102	5510	8.57	0.904	0.969	0.933	0.301	8.87	7.718
	110	5550	8.47					8.78	7.544
	134	5670	8.61					8.91	7.773
	142	5710	8.45					8.75	7.496

[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	9.52	0.663	0.715	0.927	0.329	9.85	9.663
	58	5290	9.49	0.663	0.715	0.927	0.329	9.82	9.587
	106	5530	8.57	0.663	0.715	0.927	0.329	8.90	7.754
	122	5610	8.36	0.663	0.715	0.927	0.329	8.69	7.402
	138	5690	8.49	0.663	0.715	0.927	0.329	8.82	7.613

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+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	9.589	9.852	12.733	18.762
	40	5200	9.235	9.470	12.364	17.235
	58	5240	9.427	9.711	12.581	18.119
	52	5260	9.263	9.573	12.431	17.502
	56	5280	8.834	9.079	11.969	15.735
	64	5320	9.164	9.432	12.310	17.023
	100	5500	8.699	8.861	11.791	15.104
	116	5580	8.009	8.181	11.106	12.902
	140	5700	8.613	8.775	11.705	14.808
	144	5720	8.613	8.783	11.709	14.822

[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	9.471	9.665	12.580	18.112
	40	5200	9.310	9.467	12.400	17.377
	58	5240	9.286	9.521	12.415	17.439
	52	5260	9.182	9.363	12.283	16.918
	56	5280	8.898	9.140	12.031	15.962
	64	5320	9.045	9.279	12.174	16.497
	100	5500	8.572	8.745	11.670	14.689
	116	5580	8.097	8.244	11.181	13.126
	140	5700	8.499	8.667	11.594	14.436
	144	5720	8.516	8.734	11.636	14.576

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+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	9.117	9.778	12.471	17.662
	40	5200	9.226	9.803	12.534	17.923
	58	5240	9.774	9.666	12.731	18.753
	52	5260	9.350	9.496	12.434	17.513
	56	5280	9.402	9.459	12.441	17.543
	64	5320	9.885	9.360	12.640	18.367
	100	5500	9.709	8.819	12.297	16.971
	116	5580	9.431	8.499	12.000	15.850
	140	5700	8.832	8.709	11.781	15.070
	144	5720	9.295	8.793	12.061	16.075

[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	9.368	9.794	12.596	18.182
	40	5200	9.463	9.821	12.656	18.434
	58	5240	9.647	9.724	12.696	18.602
	52	5260	9.611	9.503	12.568	18.063
	56	5280	9.634	9.473	12.565	18.049
	64	5320	9.742	9.441	12.604	18.216
	100	5500	9.728	8.863	12.328	17.091
	116	5580	9.506	8.589	12.082	16.150
	140	5700	9.019	8.730	11.888	15.444
	144	5720	9.404	8.882	12.161	16.449

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+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	9.475	9.847	12.675	18.515
	46	5230	9.662	9.733	12.708	18.654
	54	5270	9.684	9.527	12.616	18.266
	62	5310	9.800	9.471	12.649	18.403
	102	5510	9.805	8.875	12.375	17.279
	110	5550	9.894	8.776	12.381	17.303
	134	5670	9.532	8.906	12.241	16.752
	142	5710	9.217	8.748	11.999	15.846

[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	9.749	9.851	12.811	19.102
	58	5290	9.969	9.817	12.904	19.516
	106	5530	10.158	8.895	12.583	18.124
	122	5610	9.686	8.694	12.228	16.705
	138	5690	9.382	8.816	12.118	16.287

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

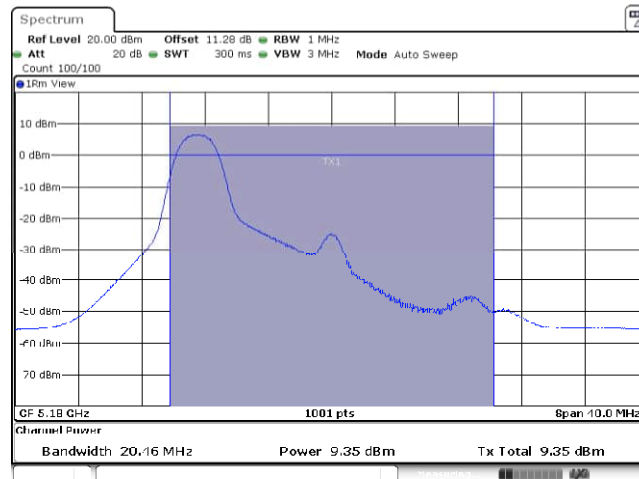
Note2: $\text{Test Result} = \text{Reading} + \text{DCF}$

4.2.5 Trace data

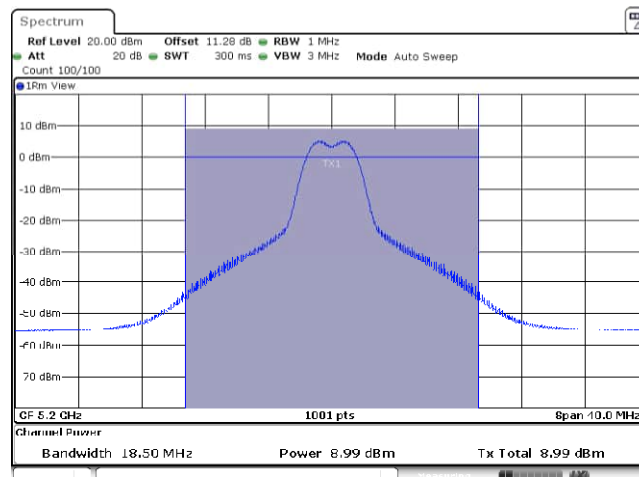
[IEEE802.11ax_HE20_26-Tones]

(5.2 GHz Band)

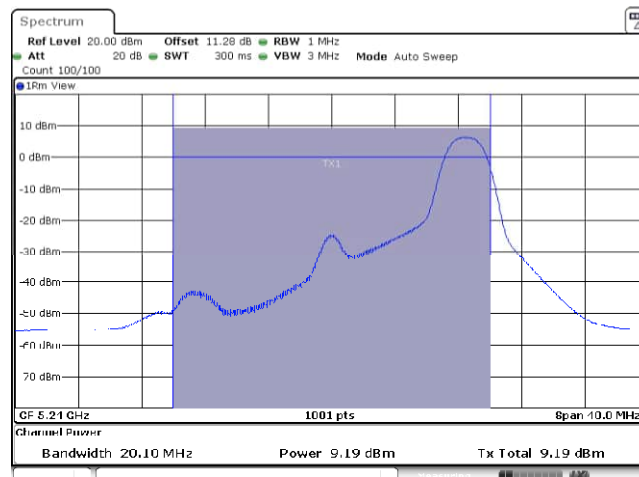
Channel: 36[Chain 0]



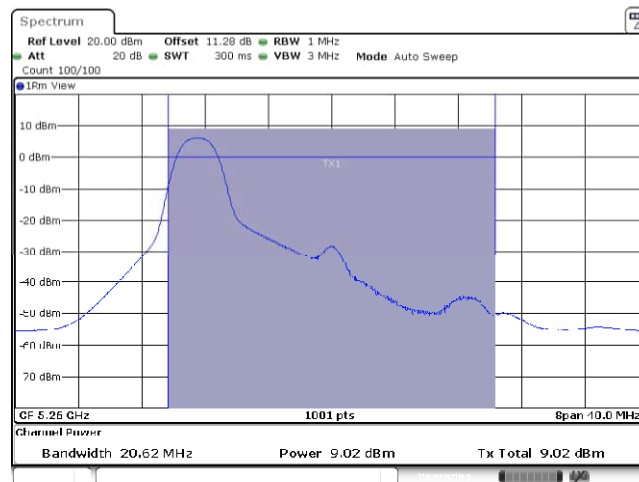
Channel: 40[Chain 0]



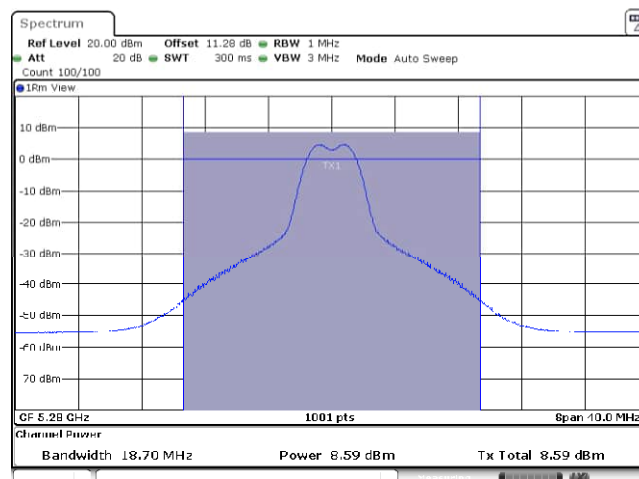
Channel: 48[Chain 0]



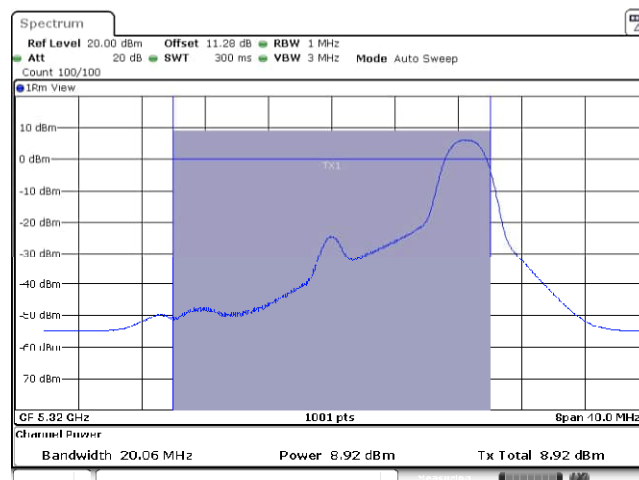
(5.3 GHz Band)
Channel: 52[Chain 0]



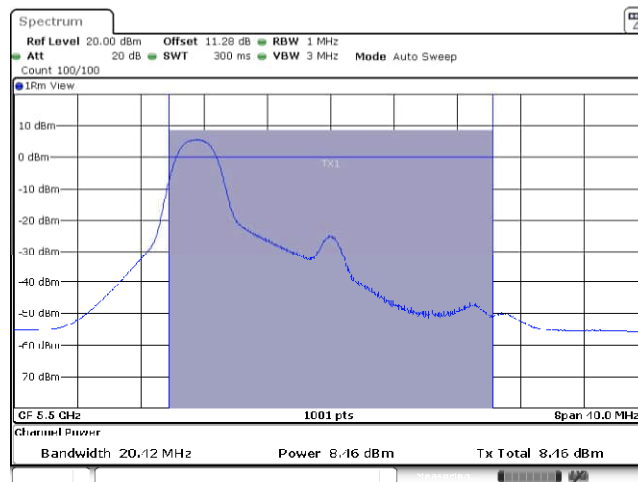
Channel: 56[Chain 0]



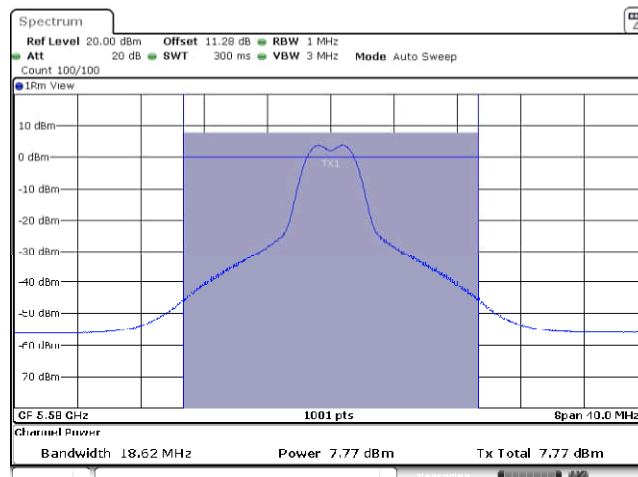
Channel: 64[Chain 0]



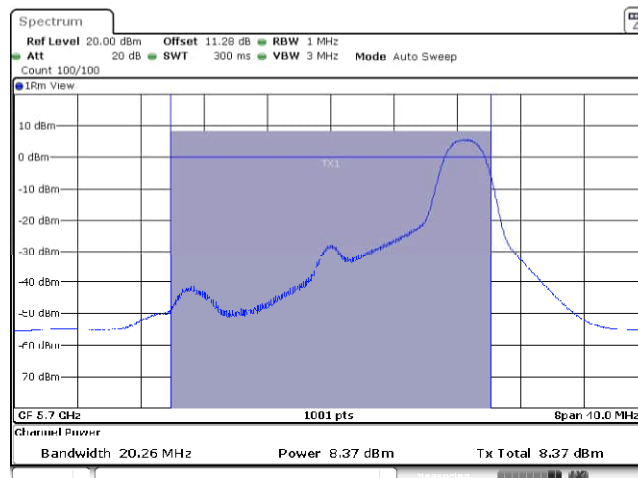
(5.6 GHz Band)
Channel: 100[Chain 0]



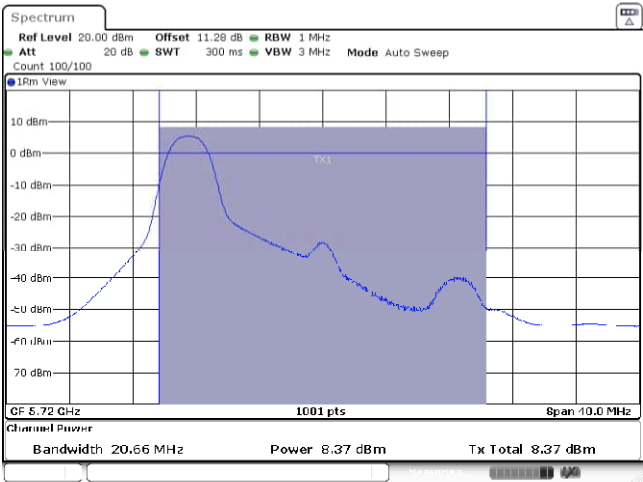
Channel: 116[Chain 0]



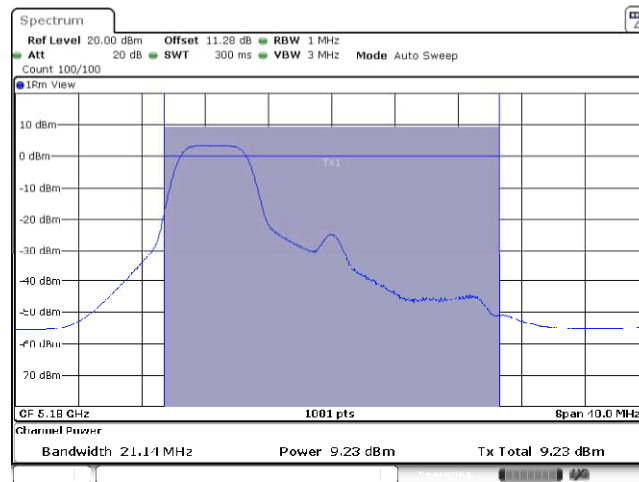
Channel: 140[Chain 0]



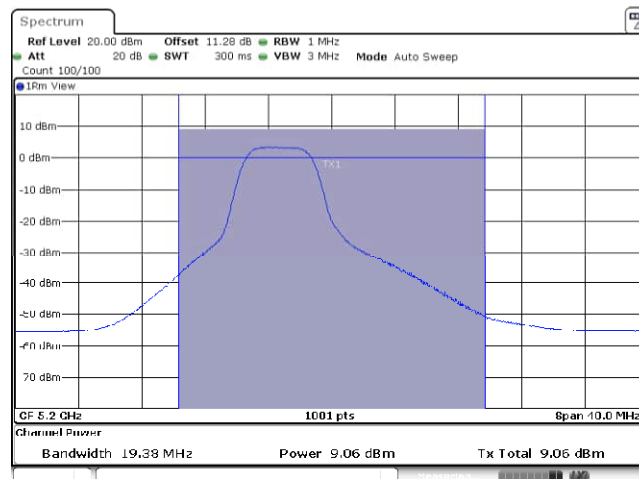
(5.6 GHz Band)
Channel: 144[Chain 0]



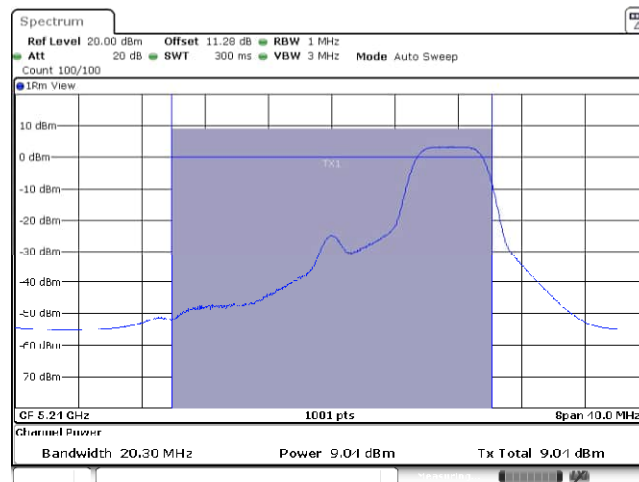
**[IEEE802.11ax_HE20_52-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



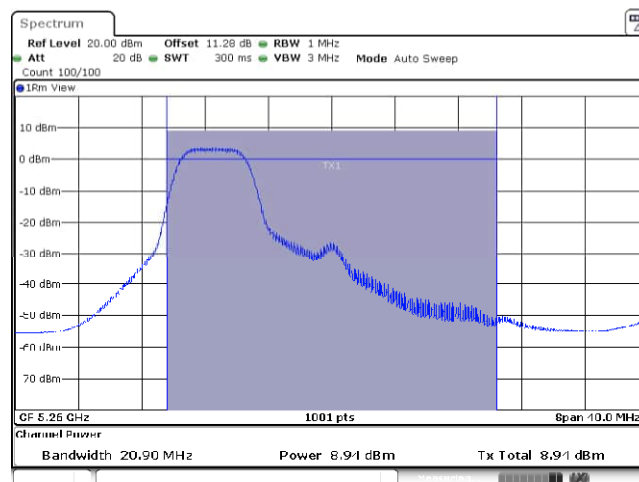
Channel: 40[Chain 0]



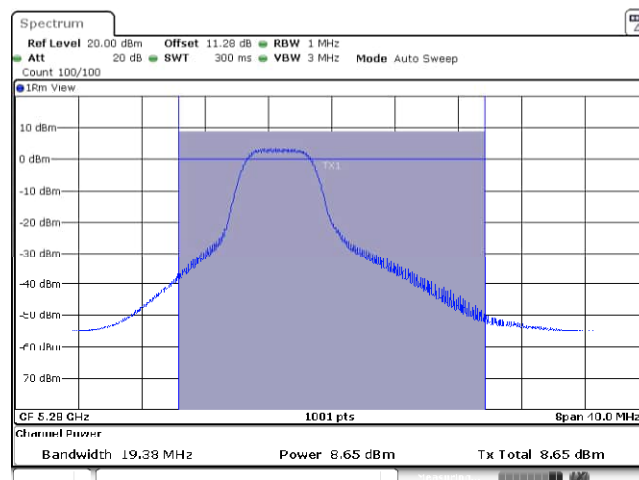
(5.2 GHz Band)
Channel: 48[Chain 0]

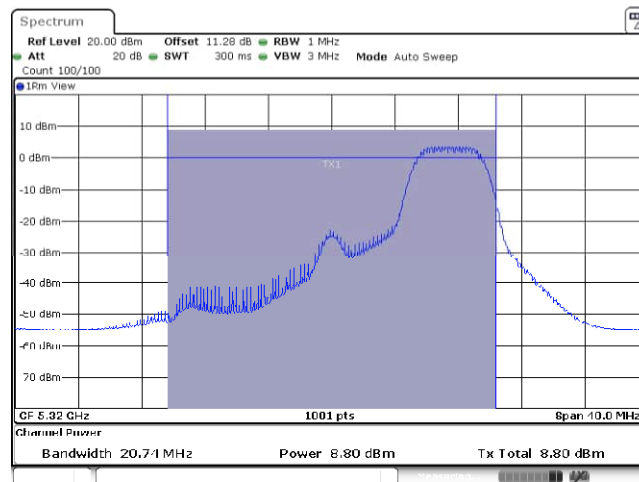
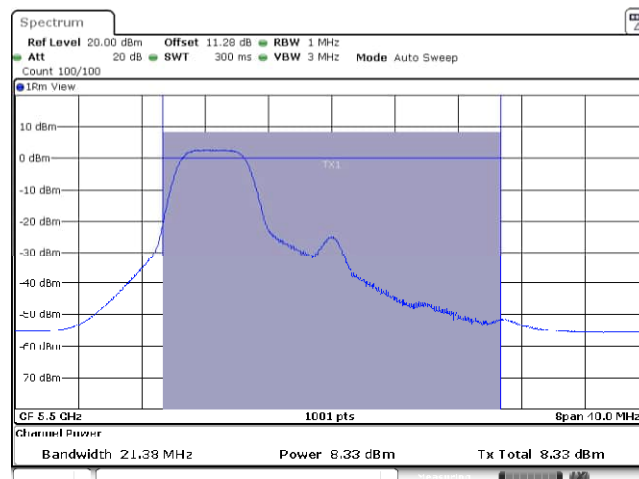
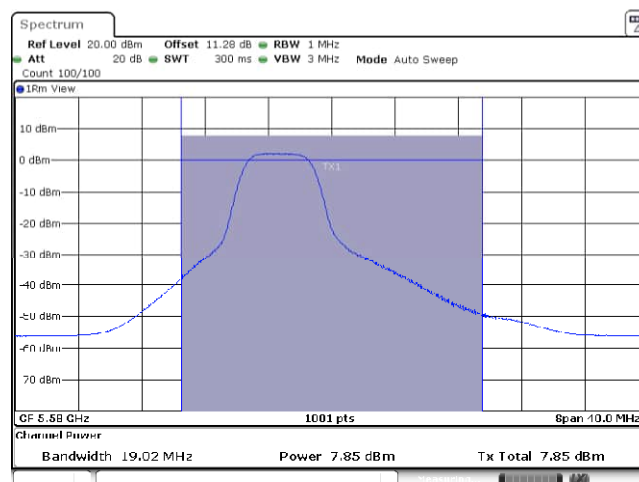


(5.3 GHz Band)
Channel: 52[Chain 0]

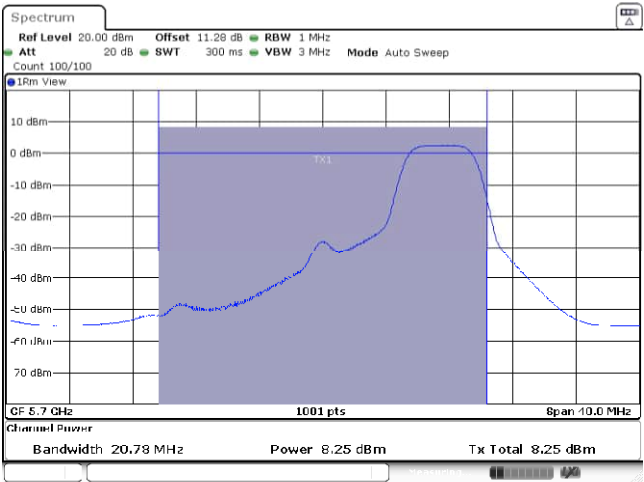


Channel: 56[Chain 0]

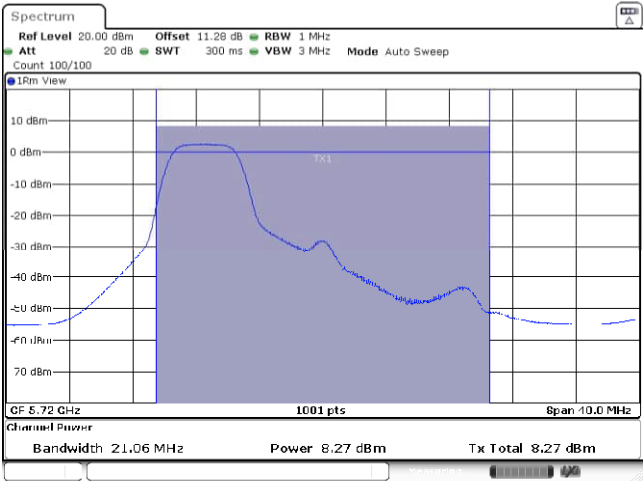


(5.3 GHz Band)**Channel: 64[Chain 0]****(5.6 GHz Band)****Channel: 100[Chain 0]****Channel: 116[Chain 0]**

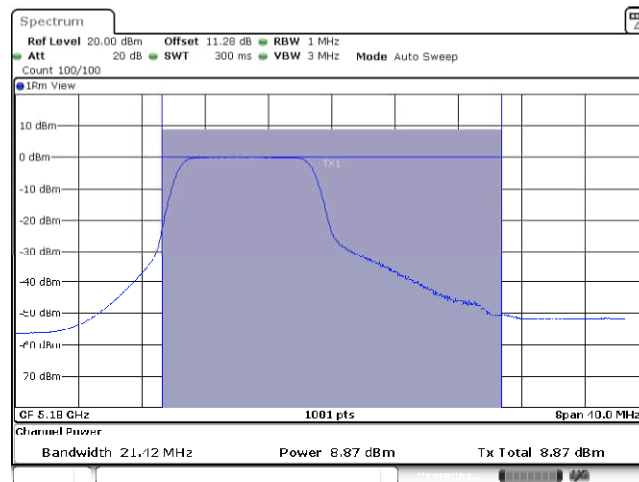
(5.6 GHz Band)
Channel: 140[Chain 0]



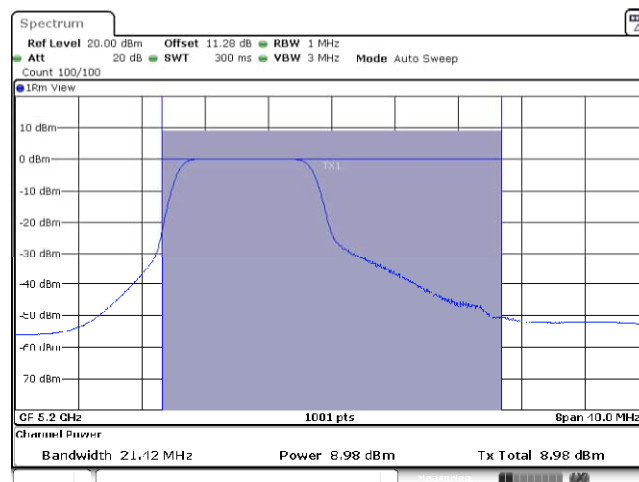
Channel: 144[Chain 0]



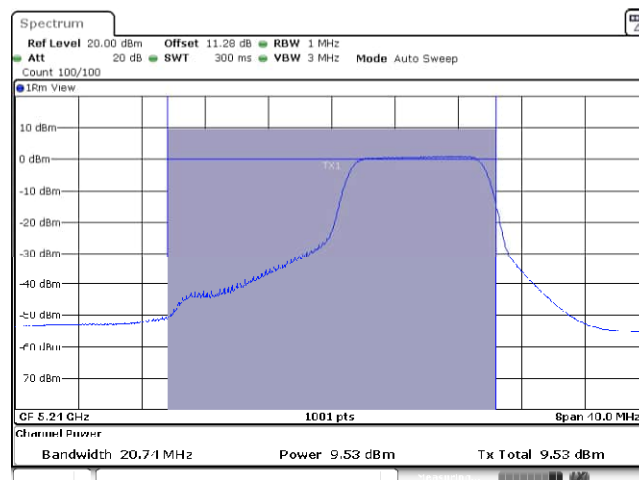
**[IEEE802.11ax_HE20_106-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



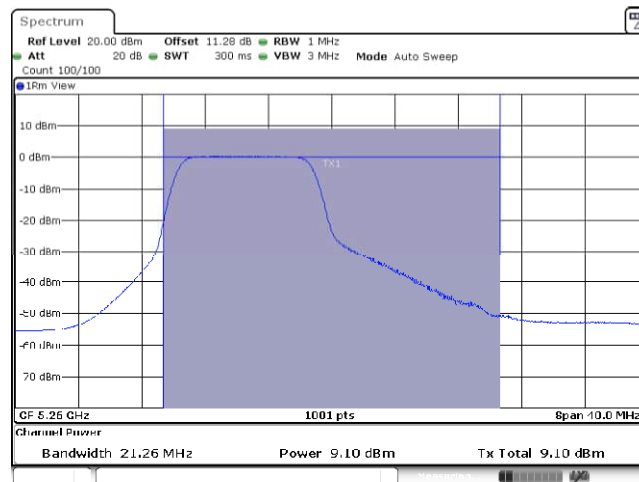
Channel: 40[Chain 0]



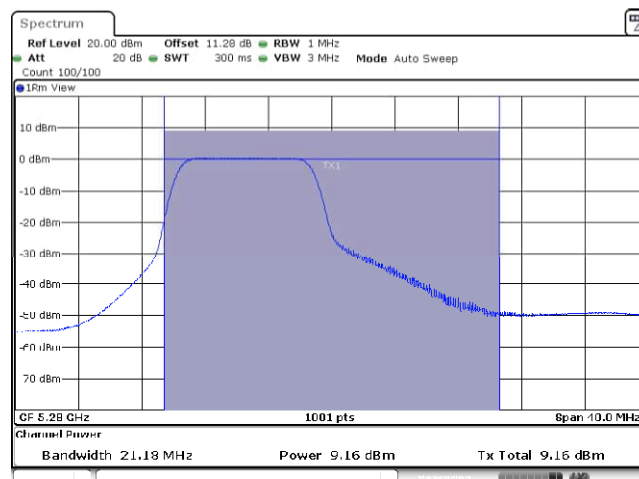
Channel: 48[Chain 0]



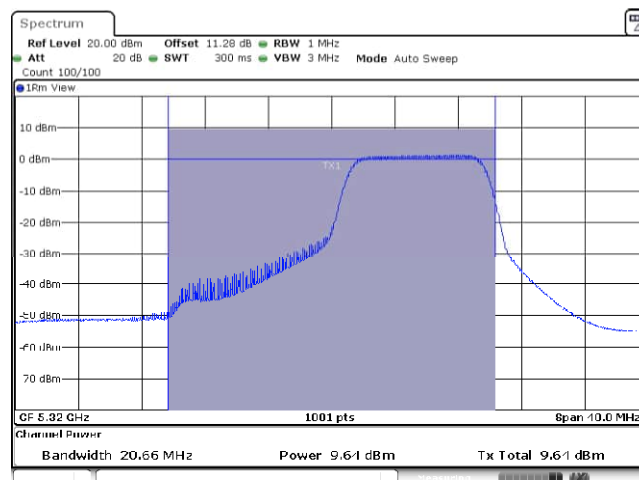
(5.3 GHz Band)
Channel: 52[Chain 0]



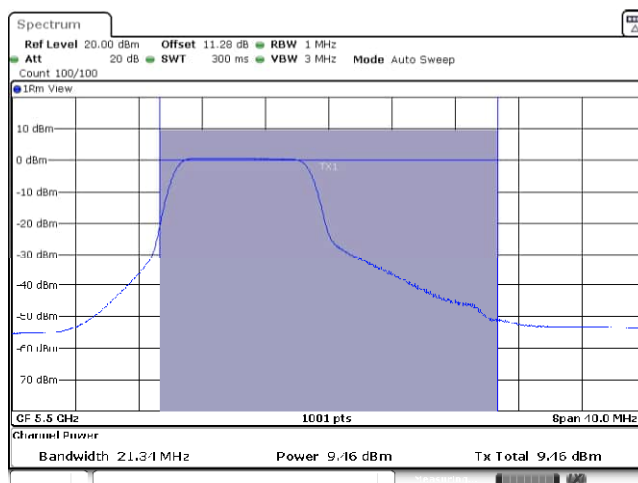
Channel: 56[Chain 0]



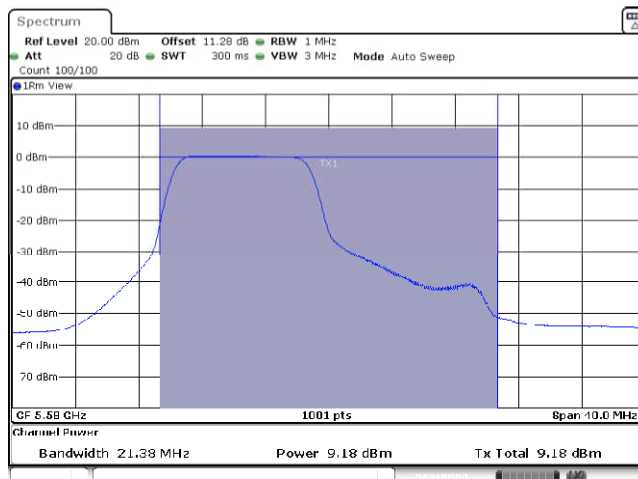
Channel: 64[Chain 0]



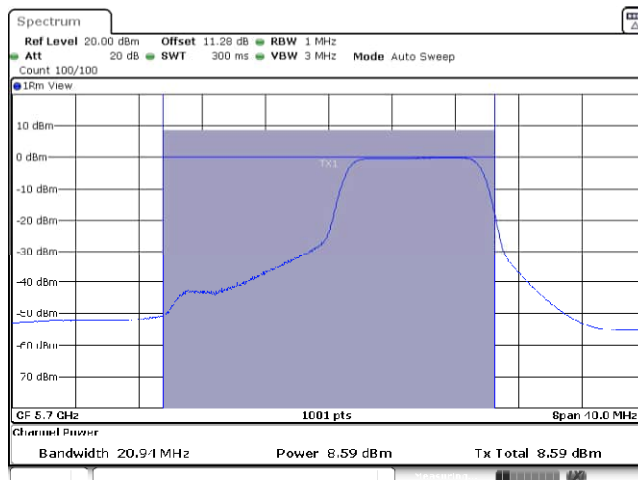
(5.6 GHz Band)
Channel: 100[Chain 0]



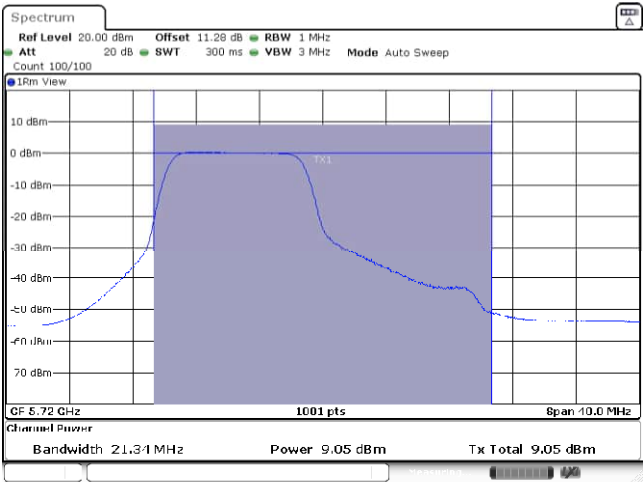
Channel: 116[Chain 0]



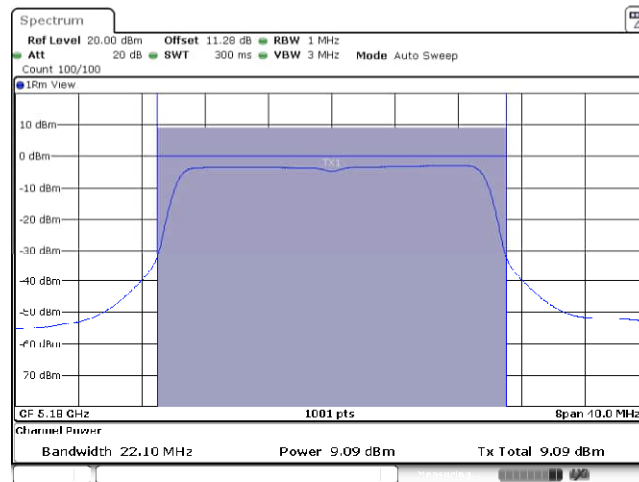
Channel: 140[Chain 0]



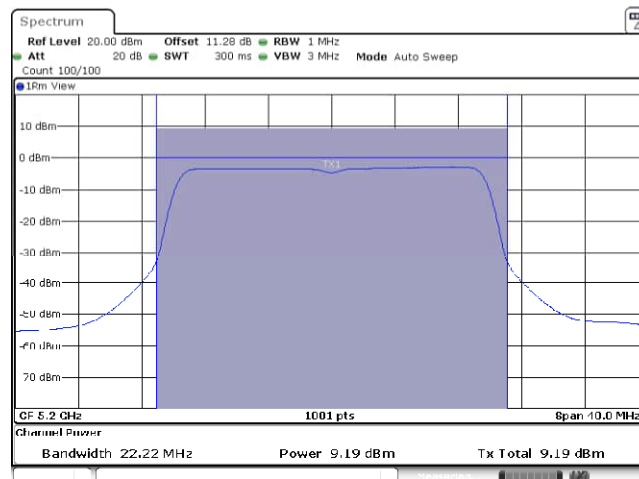
(5.6 GHz Band)
Channel: 144[Chain 0]



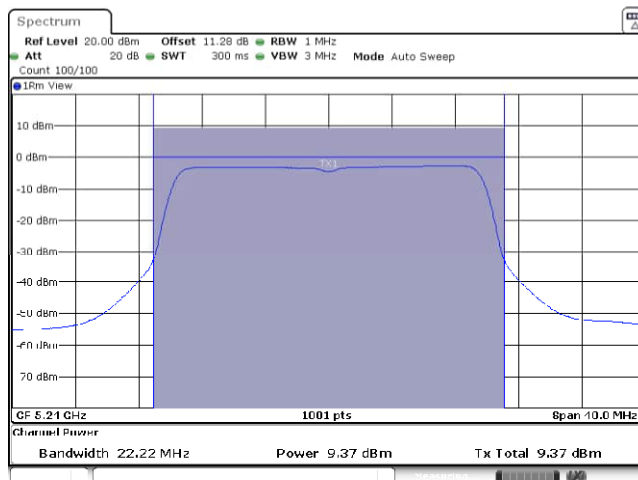
**[IEEE802.11ax_HE20_242-Tones]
(5.2 GHz Band)
Channel: 36[Chain 0]**



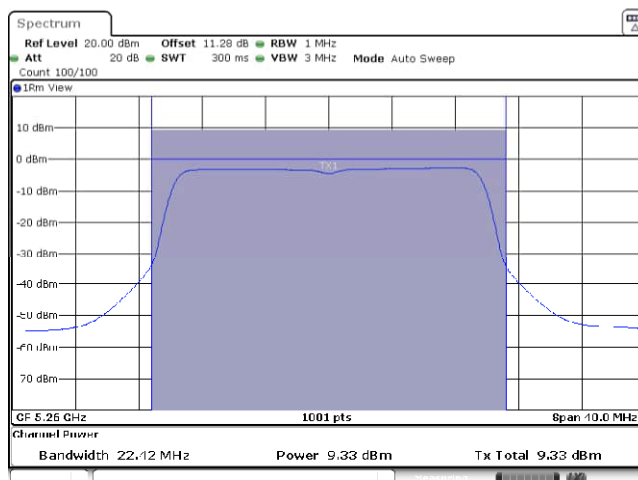
Channel: 40[Chain 0]



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



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



Channel: 56[Chain 0]

