Report No. **401311-02-R02**

Test Report

Product	Handheld Battery Powered Power Tool with WiFi
Name and address of the applicant	Atlas Copco SE-105 23 Stockholm Sweden
Name and address of the manufacturer	Atlas Copco SE-105 23 Stockholm Sweden
Model	ITB-A
Rating	Secondary Battery (Li-Ion, 18 V_{DC}, 2.6 Ah, 46.8 Wh)
Trademark	Atlas Copco
Serial number	L0000015
Additional information	WiFi
Tested according to	**Parts of FCC Part 15.407** Unlicensed National Information Infrastructure Devices (U-NII) **Parts of Industry Canada RSS-247, Issue 2** Licence-Exempt Local Area Network (LE-LAN) Devices
Order number	401311
Tested in period	2020-07-03 to 2020-08-26
Issue date	2020-10-07
Name and address of the testing laboratory	Instituttveien 6 Kjeller, Norway www.nemko.com CAB Number FCC: NO0001 ISED: NO0470 TEL: +47 22 96 03 30 FAX: +47 22 96 05 50

An accredited technical test executed under the Norwegian accreditation scheme

Prepared by [Frode Sveinsen]	Approved by [G. Suhantakumar]

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ENTERPRISE NUMBER NO974404532

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1 INFORMATION

1.1 Test Item

Name	**Atlas Copco**
Model/version	**ITB-A**
FCC ID	**2AQ8P-ITB**
ISED ID	**24224-ITB**
Serial number	**L0000015**
Hardware identity and/or version	**3**
Software identity and/or version	**3.3**
Frequency Ranges	**U-NII 1 : 5180 – 5240 MHz: 4 channels** **U-NII 2A : 5260 – 5320 MHz: 4 channels** **U-NII 2C : 5500 – 5720 MHz: 11 channels** **U-NII 3 : 5745 – 5825 MHz: 5 channels**
Operating Modes	**802.11a** **802.11n (20 MHz BW)**
Type of Modulation	**Digital (OFDM - Orthogonal frequency-division multiplexing)**
Conducted Output Power	**5180 – 5240 MHz: 15.8 mW** **5260 – 5320 MHz: 12.3 mW** **5500 – 5720 MHz: 5.6 mW** **5745 – 5825 MHz: 6.9 mW**
Antenna Connector	**None (Internal U-FL only)**
Number of Antennas	**2**
Antenna Diversity Supported	**Yes**
Smart Antennas Supported	**No**
TPC Supported	**Not implemented, not required when EIRP is below 500 mW**
DFS Supported	**Not supported, Client Device without Radar Detection**
Power Supply	**Secondary Battery (Li-Ion, 18 V_{DC}, 46.8 Wh, 2.6 Ah)**
Desktop Charger	**N/A (Battery is charged in a separate charger)**

Description of Test Item

The tested device is a Power Tool with 2.4GHz and 5GHz WiFi.

1.3 Normal test conditions

Temperature:	20 - 24 °C
Relative humidity:	20 - 50 %
Normal test voltage:	18 V_{DC} (Nominal Voltage)

The values are the limit registered during the test period.

All tests were performed with a fully charged battery.

1.4 Test Engineer(s)

Frode Sveinsen

1.5 Antenna Requirement

Is the antenna detachable?	☐ Yes	☒ No
If detachable, is the antenna connector non-standard?	☐ Yes	☐ No

Type of antenna connector: N/A, Integral Antenna

1.6 Worst-Case Configuration

Radiated Emissions and Power Line Conducted Emissions were performed with the EUT set to transmit at the channel with the highest output power as worst-case scenario.

Modulation	Worst Case Bitrate	Duty Cycle
802.11a	6 Mb	100 %
802.11n HT20	MCS0	100 %

1.7 EUT Operating Modes

Description of operating modes	Continuous TX, 5GHz, 802.11a 6Mb, 802.11n HT20 MCS0
Additional information	A computer was connected by USB to the EUT. Putty was used to log in with SH, and batch commands were used to program antenna, modulation, bit-rate and channel.

1.8 Comments

All tested parameters are passed.

1.9 Power Levels

Channel	Freq (MHz)	802.11a	802.11n HT20
36	**5180**	**124**	**124**
40	5200	127	127
44	5220	127	127
48	5240	127	127
52	5260	127	127
56	5280	127	127
60	5300	127	127
64	**5320**	**124**	**124**
100	5500	127	127
104	5520	127	127
108	5540	127	127
112	5560	127	127
116	5580	127	127
120	5600	D	D
124	5620	D	D
128	5640	D	D
132	5660	127	127
136	5680	127	127
140	**5700**	**124**	**124**
144	5720	D	D
149	5745	127	127
153	5765	127	127
157	5785	127	127
161	5805	127	127
165	5825	127	127

D = Disabled/ Not Used
ISED Canada require that all channels in the TDWR Band (5.60-5.65 GHz) are disabled, also on client devices

Power Setting values above were used for all tests on this model. Setting Level 127 is the maximum value.

2 TEST REPORT SUMMARY

2.1 General

All measurements are tracable to national standards.

The tests were conducted for demonstrating compliance with FCC CFR 47 Part 15, paragraph 15.407 and ISED RSS-247 Issue 2.

Tests were performed in accordance with ANSI C63.4-2014 and ANSI C63.10-2013.

Radiated tests were performed in a semi-anechoic chamber at measuring distance 3m.

☒ New Submission	☒ Production Unit
☐ Class II Permissive Change	☐ Pre-production Unit
NII Equipment Code	☐ Family Listing

THIS TEST REPORT APPLIES ONLY TO THE ITEM(S) AND CONFIGURATIONS TESTED.

Deviations from, additions to, or exclusions from the test specifications are described in “Summary of Test Data”.

2.2 Test Summary

Name of test	FCC Part 15 reference	RSS-247 Issue 2 RSS-GEN Issue 5 reference	Result
Supply Voltage Variations	15.31(e)	6.11 (RSS-GEN)	**Complies**
Antenna Requirement	15.203	6.8 (RSS-GEN)	**Complies**
Power Line Conducted Emission	15.107(a) 15.207(a)	7.2 / 8.8 (RSS-GEN)	**Complies**
Maximum Output Power	15.407(a)	6.2	**Complies**
Power Spectral Density	15.407(a)	6.2	**Complies**
Emission Bandwidth	15.407(a)(2)	6.2	**Complies**
Unwanted Emissions	15.407(b)	6.2	**Complies**
Discontinuation of Transmission	15.407(c)	6.3	**N/T[1]**
6 dB Bandwidth	15.407(e)	6.2.4	**Complies**
Transmit Power Control	15.407(h)	6.2.3	**N/A[2]**
Dynamic Frequency Selection	15.407(h)	6.3	**Complies[3]**
Radiated Emissions	15.205 15.209	7.3 (RSS-GEN) 8.9 (RSS-GEN)	**Complies**

[1] See manufacturers declaration

[2] Transmit Power Control is not required when Max EIRP is below 500 mW

[3] The EUT is a Client Device without Radar Detection.

Revision history

Revision	Date	Comment	Sign
00	2020-08-31	First edition	FS
01	2020-10-01	Conducted Power values updated	FS
02	2020-10-07	Updated Antenna Gain	FS

3 TEST RESULTS

3.1 Maximum Output Power (RMS)

FCC 15.407 (a)

ISED RSS-247, Issue 2, Clause 6.2

Measurement procedure: ANSI C63.10-2013 Clause 12.3, method SA-1

Test Results: Complies

Measurement Data:

Ch. No.	Nominal Frequency (MHz)	Maximum Conducted Output Power (dBm)		Maximum e.i.r.p. (dBm)	
		802.11a 6Mb	802.11n HT20	802.11a 6Mb	802.11n HT20
36	5180	8.7	8.7	10.7	10.7
44	5220	11.3	11.1	13.3	13.1
48	5240	11.4	12.0	13.4	14.0
52	5260	10.5	10.9	12.5	12.9
56	5280	9.4	9.3	11.4	11.3
64	5320	7.2	7.0	9.2	9.0
100	5500	6.7	6.6	8.7	8.6
112	5560	7.5	7.5	9.5	9.5
140	5700	6.9	7.1	8.9	9.1
149	5745	6.3	6.5	8.3	8.5
157	5785	7.5	7.7	9.5	9.7
165	5825	8.2	8.4	10.2	10.4

Manufacturer value for Antenna Gain: +2.0 dBi

Conducted Power values are corrected for cable loss (0.8dB from 5180 to 5320MHz, 1.5dB from 5500 to 5825 MHz)

EIRP values are calculated using manufacturer values for antenna gain.

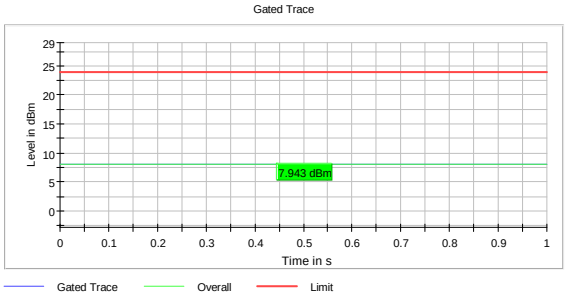
Conducted measurements were measured with an RMS Power Meter.

The EUT operates continuously; therefore, method SA-1 of ANSI C63.10-2013 clause 12.3 was used.

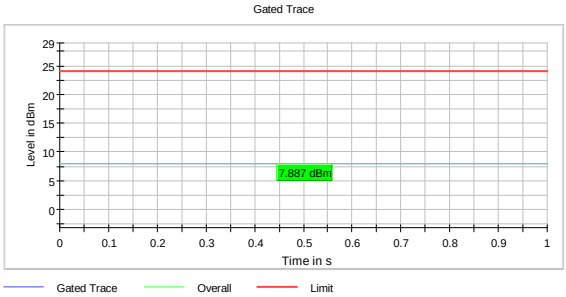
EIRP values were calculated from Field Strength values using the method described in KDB 412172 D01.

Limits for Indoor Device:

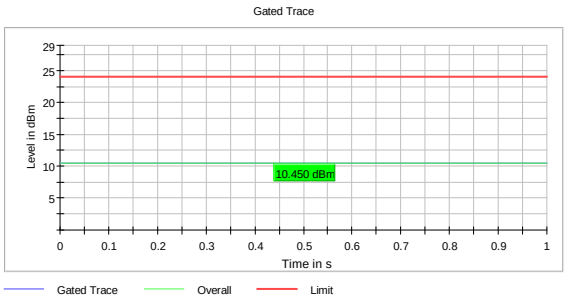
Frequency Band	FCC 15.407(a)	ISED RSS-247 Issue 2
5150 – 5250 MHz	Less than 250 mW (24 dBm) for client device Less than 1 W (30 dBm) for master device	Less than the lesser of 200 mW e.i.r.p. or $10 + 10 \log_{10} B$ dBm e.i.r.p.
5250 – 5350 MHz **5470 – 5725 MHz**	Less than the lesser of 250 mW (24 dBm) or $11 + 10 \log_{10} B$ dBm	Less than the lesser of 250 mW or $11 + 10 \log_{10}$ B dBm, and Less than the lesser of 1 W e.i.r.p. or $17 + 10 \log_{10}$ B dBm e.i.r.p. Devices with e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W
5725 – 5825 MHz	Less than 1 Watt	Less than 1 Watt If Antenna Gain is more than 6 dBi the Power Limit is reduced by the amount exceeding 6 dBi
	If Antenna Gain is more than 6 dBi the Power Limit is reduced by the amount exceeding 6 dBi	
	B is the 26dB emission bandwidth in MHz	*B* is the 99% emission bandwidth in MHz



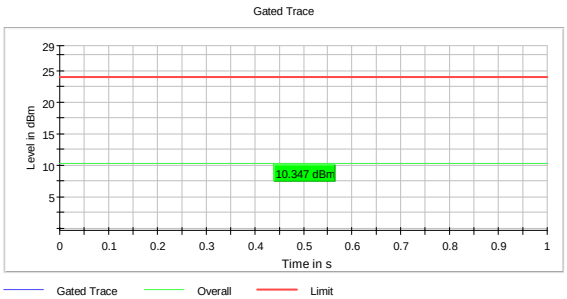
Conducted Power, 5180 MHz, 802.11a, 6Mb



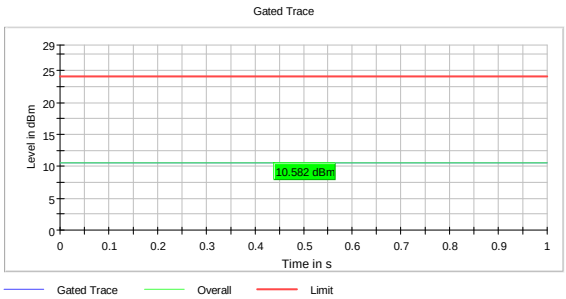
Conducted Power, 5180 MHz, 802.11n, HT20



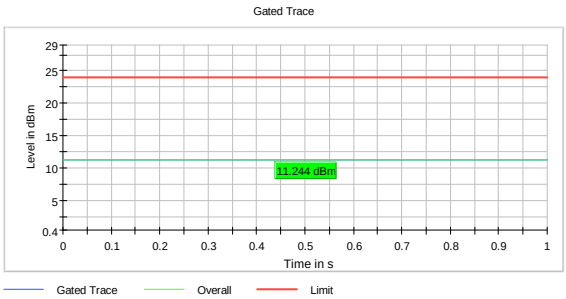
Conducted Power, 5220 MHz, 802.11a, 6Mb



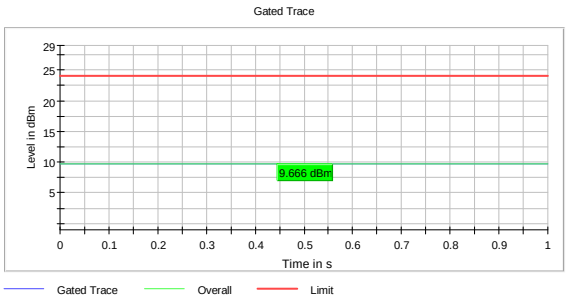
Conducted Power, 5220 MHz, 802.11n, HT20



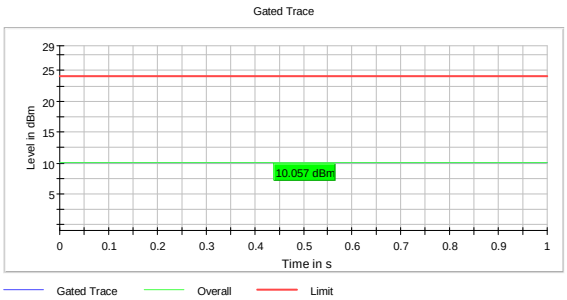
Conducted Power, 5240 MHz, 802.11a, 6Mb

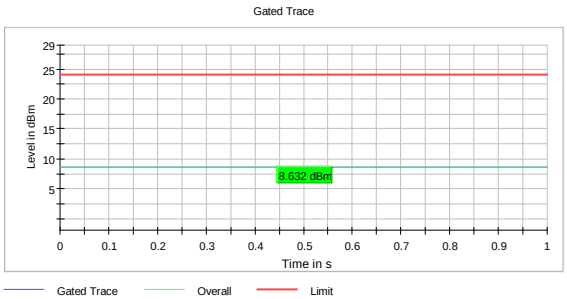


Conducted Power, 5240 MHz, 802.11n, HT20

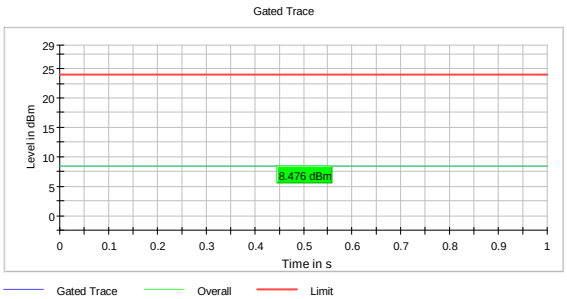


Conducted Power, 5260 MHz, 802.11a, 6Mb

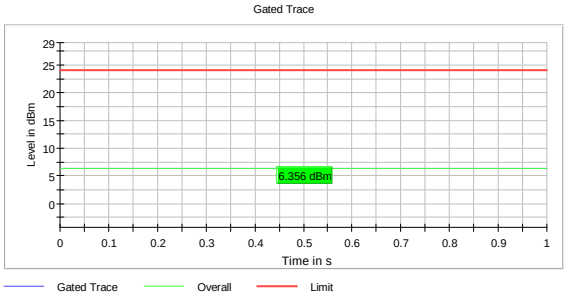




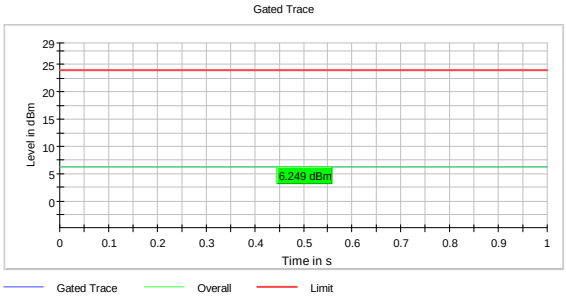
Conducted Power, 5280 MHz, 802.11a, 6Mb



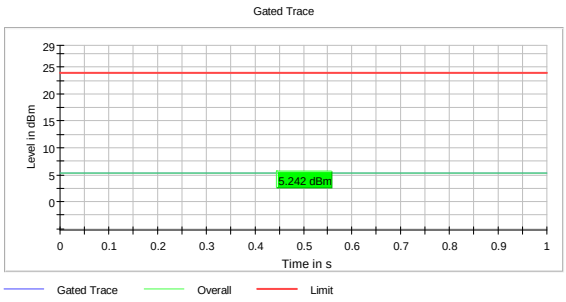
Conducted Power, 5280 MHz, 802.11n, HT20



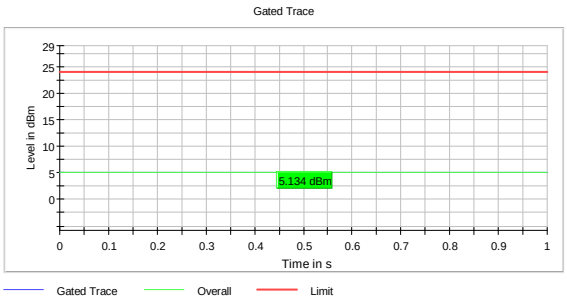
Conducted Power, 5320 MHz, 802.11a, 6Mb



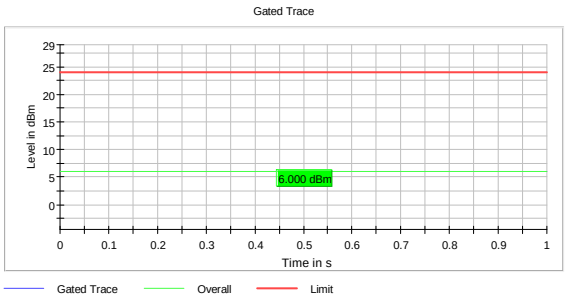
Conducted Power, 5320 MHz, 802.11n, HT20



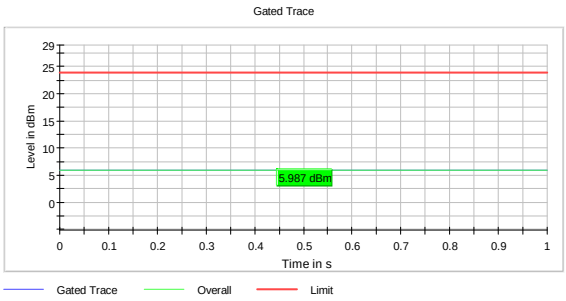
Conducted Power, 5500 MHz, 802.11a, 6Mb



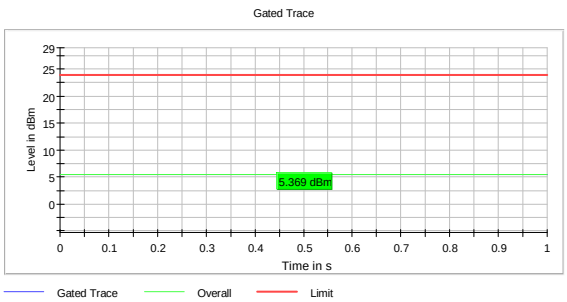
Conducted Power, 5500 MHz, 802.11n, HT20



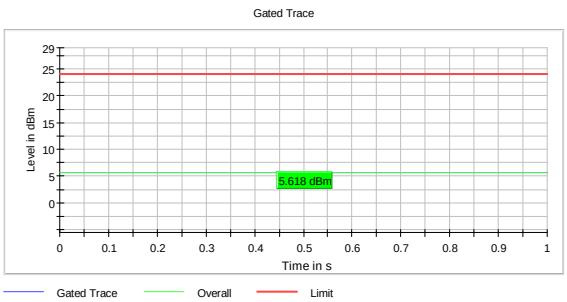
Conducted Power, 5560 MHz, 802.11a, 6Mb



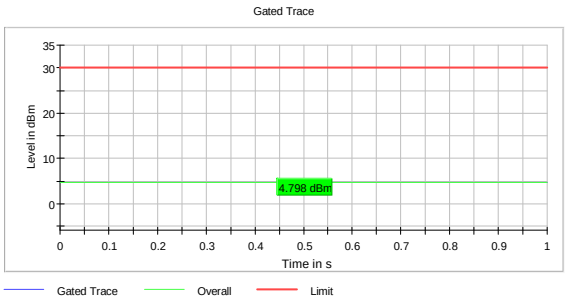
Conducted Power, 5560 MHz, 802.11n, HT20



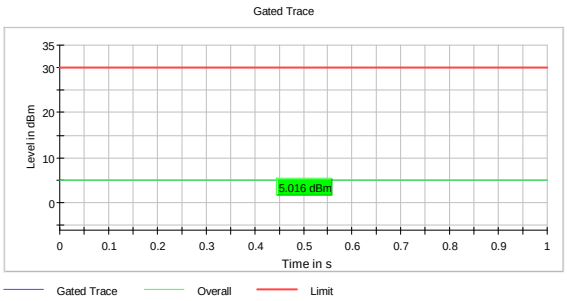
Conducted Power, 5700 MHz, 802.11a, 6Mb



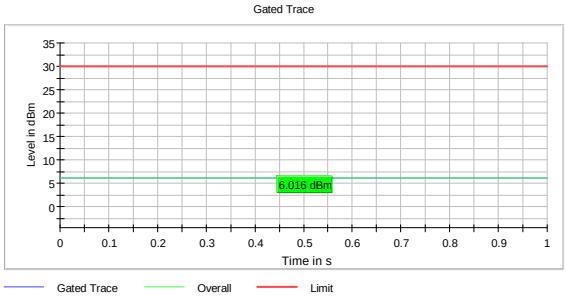
Conducted Power, 5700 MHz, 802.11n, 6Mb



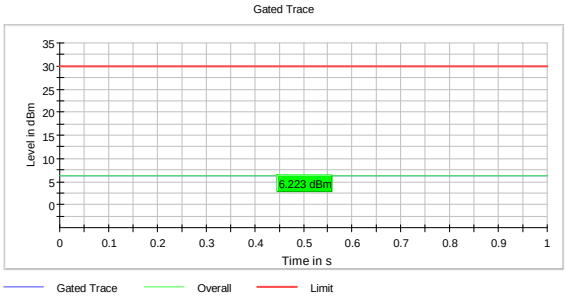
Conducted Power, 5745 MHz, 802.11a, 6Mb



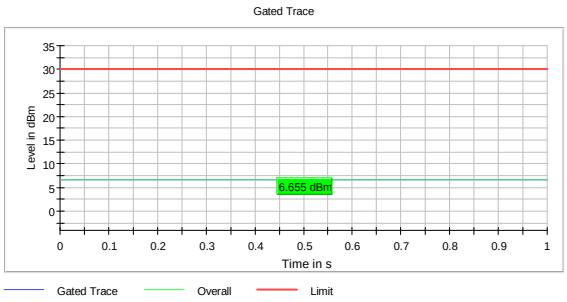
Conducted Power, 5745 MHz, 802.11n, HT20



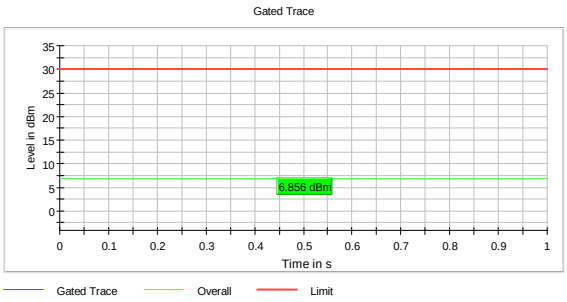
Conducted Power, 5785 MHz, 802.11a, 6Mb



Conducted Power, 5785 MHz, 802.11n, 6Mb



Conducted Power, 5825 MHz, 802.11a, 6Mb



Conducted Power, 5825 MHz, 802.11n, HT20

3.2 Emission Bandwidth

Para. No.: 15.407(a)(2)

ISED RSS-247, Issue 2, Clause 6.2

Measurement procedure: ANSI C63.10-2013 Clause 6.9.3 and 12.4.1

Test Results: Complies

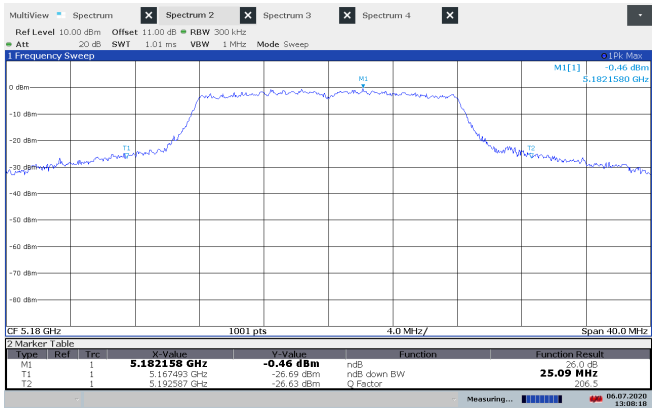
Measurement Data:

Ch. No.	Nominal Frequency (MHz)	FCC 26dB Bandwidth, Measured Values (MHz)	
		802.11a 6Mb	802.11n HT20
36	5180	25.1	28.1
48	5240	36.5	37.0
64	5320	29.5	29.5
100	5500	23.9	27.5
112	5560	25.7	28.9
140	5700	24.0	28.0

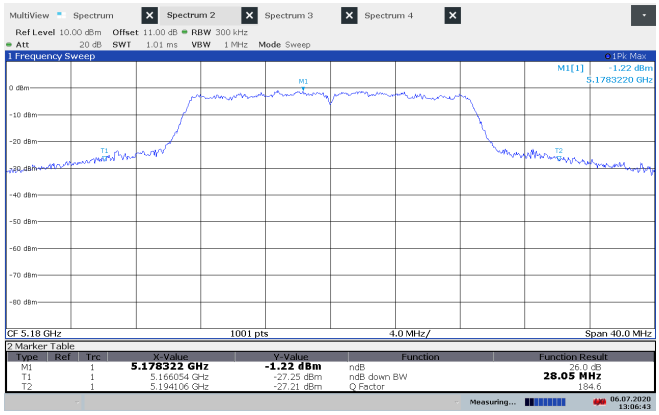
Ch. No.	Nominal Frequency (MHz)	ISED Canada 99% Bandwidth, Measured Values (MHz)	
		802.11a 6Mb	802.11n HT20
36	5180	17.3	18.1
48	5240	18.5	19.0
64	5320	17.6	18.2
100	5500	17.2	18.1
112	5560	17.4	18.2
140	5700	17.1	18.2
149	5745	17.2	18.1
157	5785	17.4	18.1
165	5825	17.3	18.1

Limit:

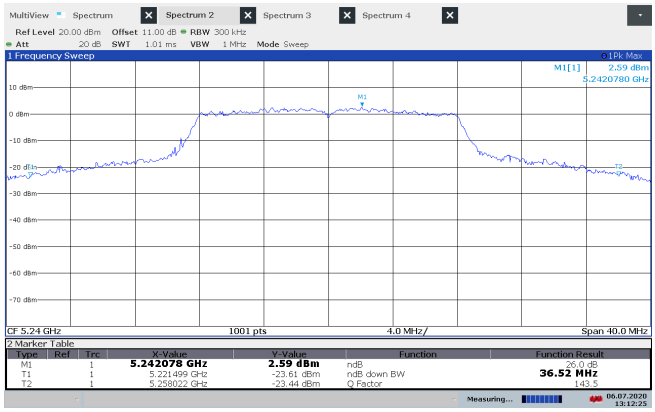
No requirements as long as the emissions are within the band-edges.



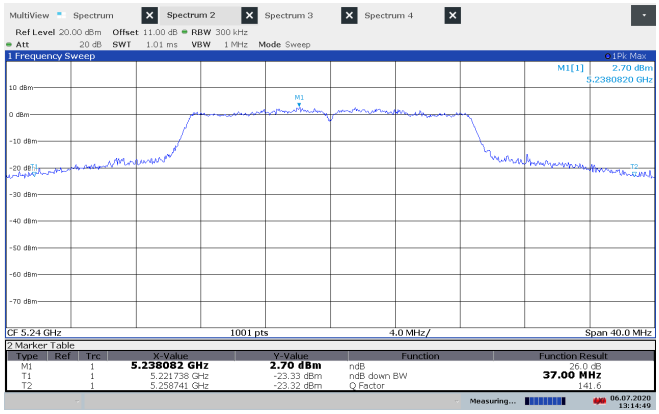
Emission BW, 5180 MHz, 802.11a, 6Mb



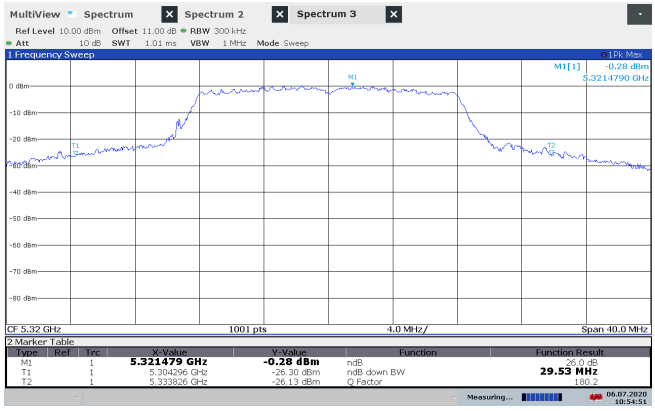
Emission BW, 5180 MHz, 802.11n, HT20



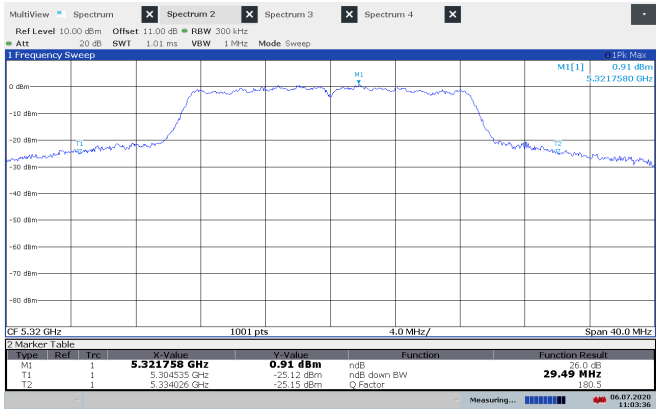
Emission BW, 5240 MHz, 802.11a, 6Mb



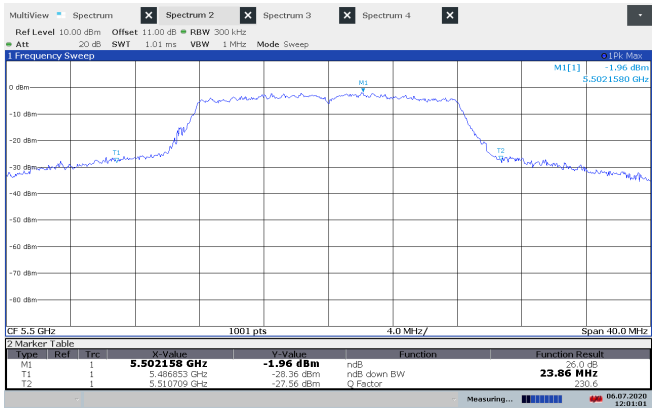
Emission BW, 5240 MHz, 802.11n, HT20



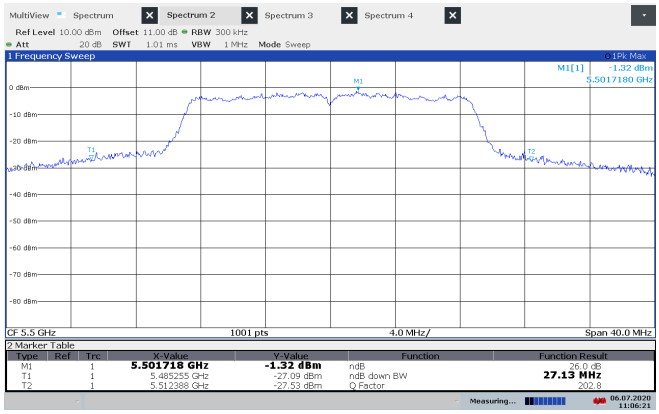
Emission BW, 5320 MHz, 802.11a, 6Mb



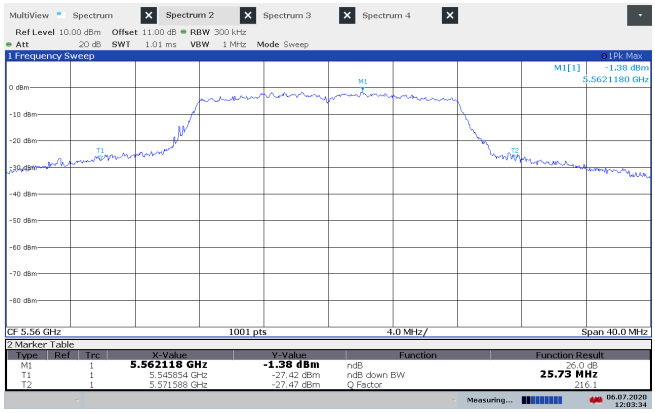
Emission BW, 5320 MHz, 802.11n, HT20



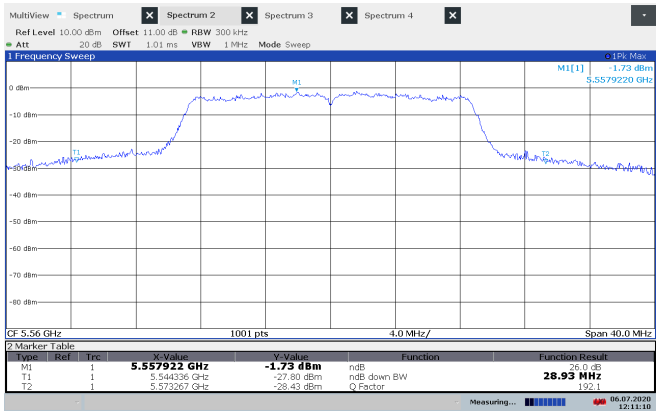
Emission BW, 5500 MHz, 802.11a, 6Mb



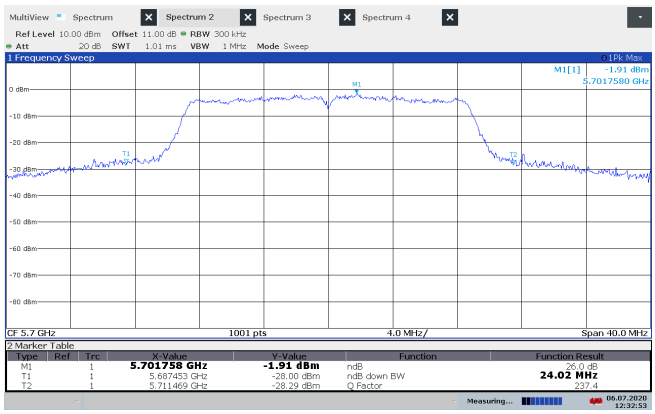
Emission BW, 5500 MHz, 802.11n, HT20



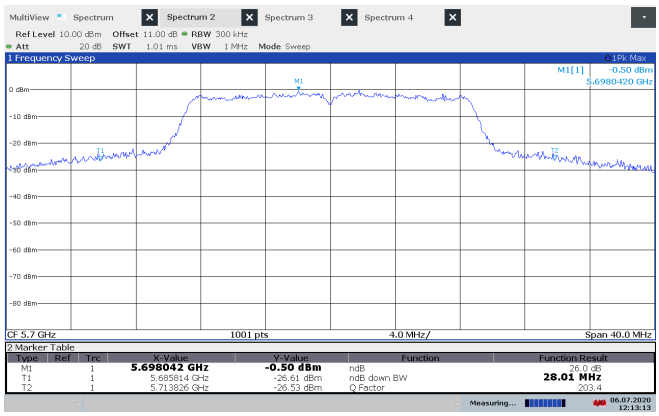
Emission BW, 5560 MHz, 802.11a, 6Mb



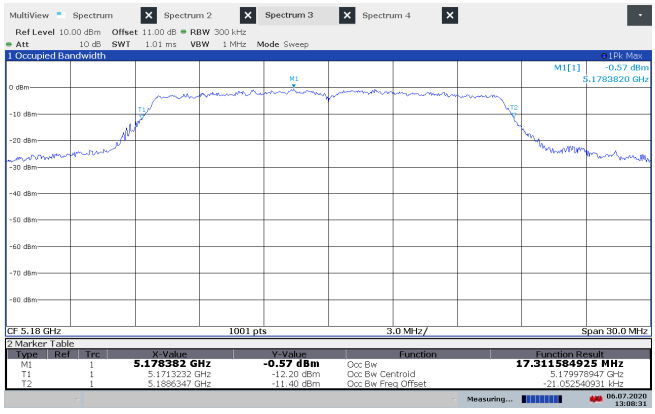
Emission BW, 5560 MHz, 802.11n, HT20



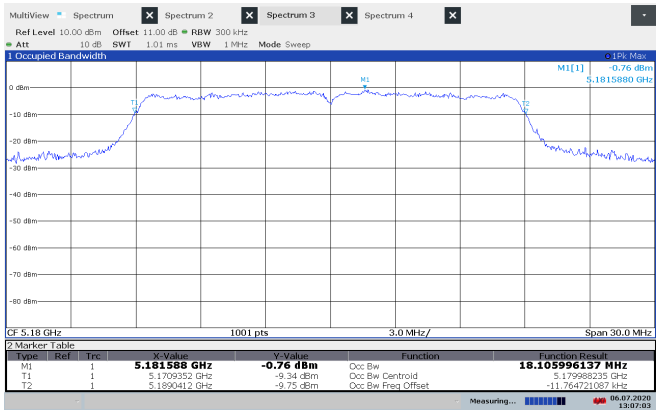
Emission BW, 5700 MHz, 802.11a, 6Mb



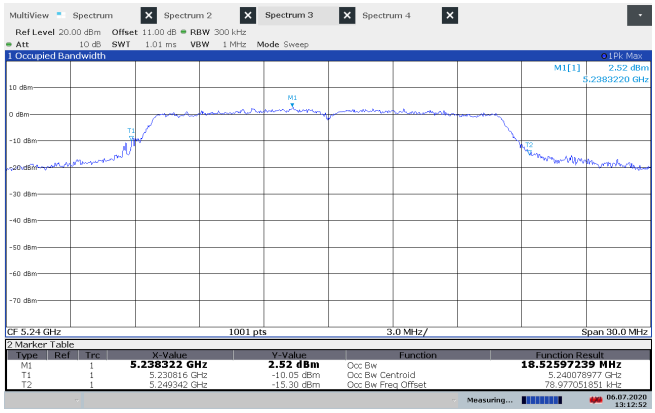
Emission BW, 5700 MHz, 802.11n, HT20



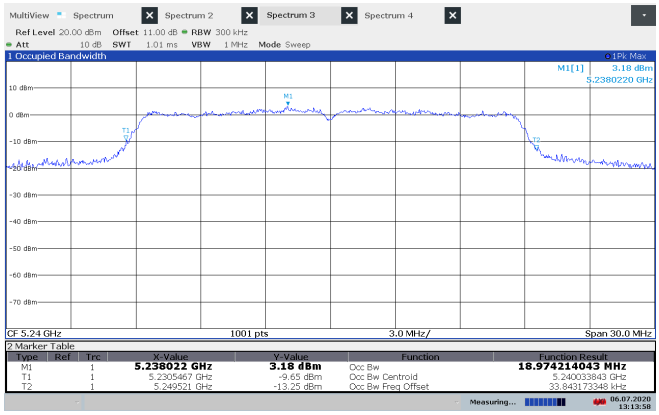
99% Occupied BW, 5180 MHz, 802.11a, 6Mb



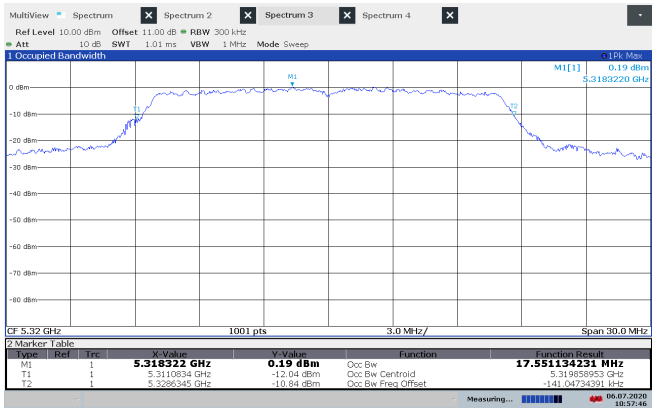
99% Occupied BW, 5180 MHz, 802.11n, HT20



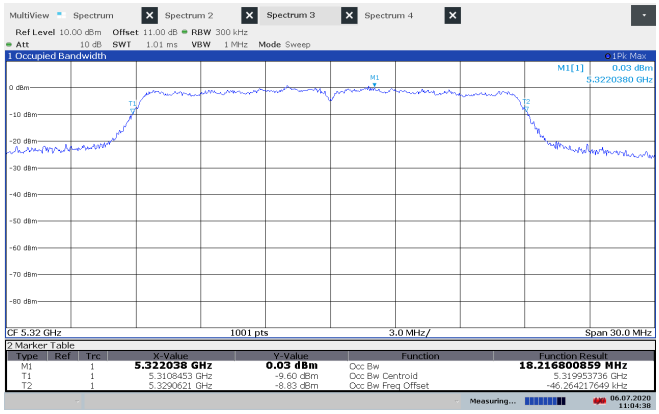
99% Occupied BW, 5240 MHz, 802.11a, 6Mb



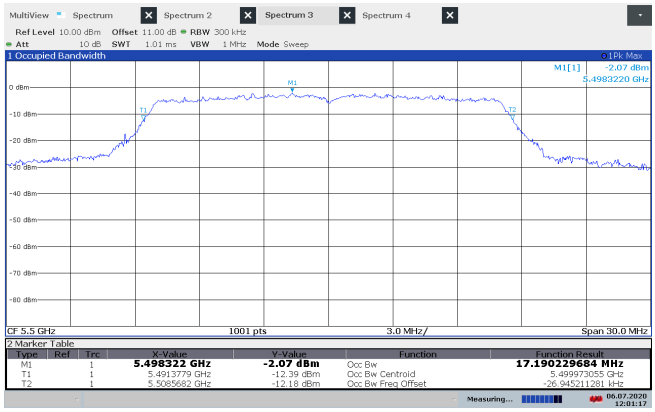
99% Occupied BW, 5240 MHz, 802.11n, HT20



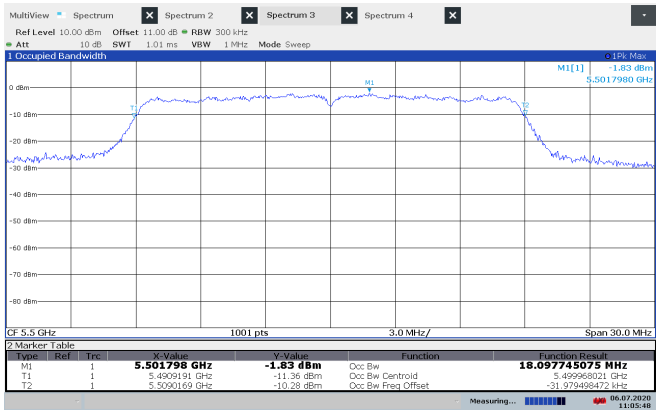
99% Occupied BW, 5320 MHz, 802.11a, 6Mb



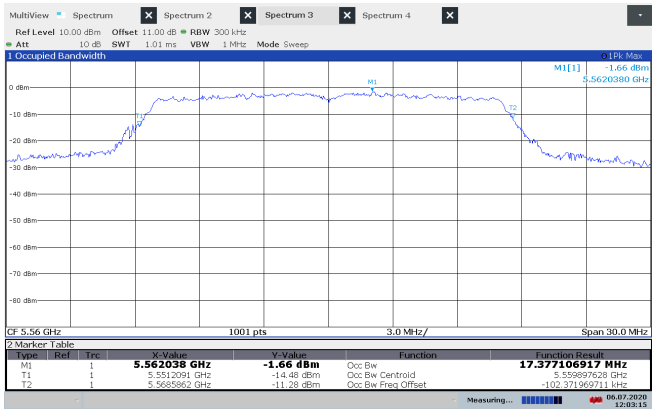
99% Occupied BW, 5320 MHz, 802.11n, HT20



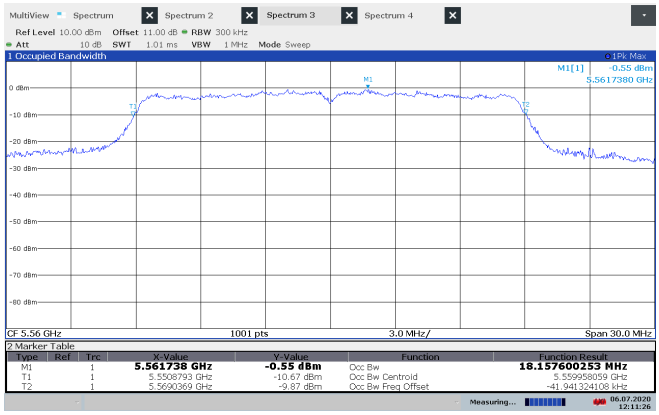
99% Occupied BW, 5500 MHz, 802.11a, 6Mb



99% Occupied BW, 5500 MHz, 802.11n, HT20

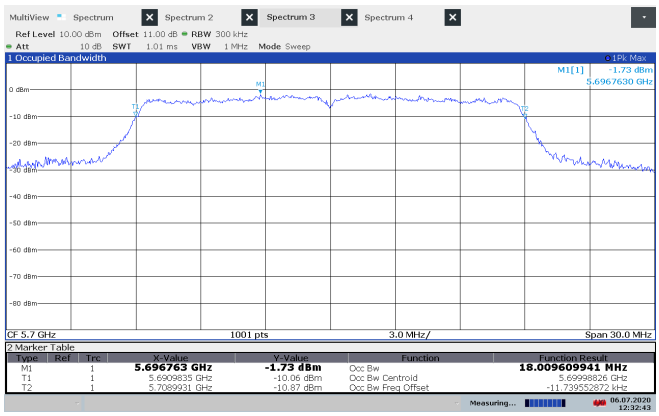


99% Occupied BW, 5560 MHz, 802.11a, 6Mb

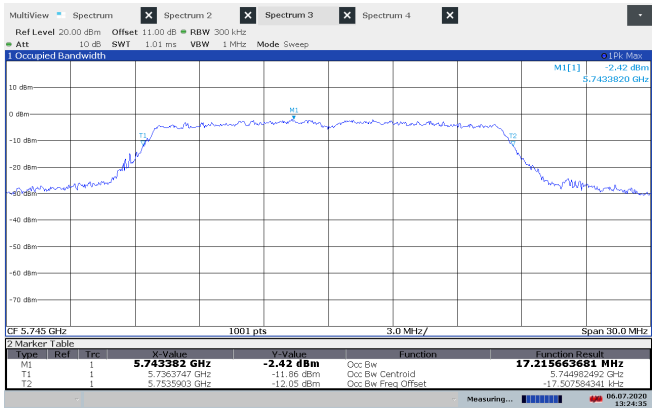


99% Occupied BW, 5560 MHz, 802.11n, HT20

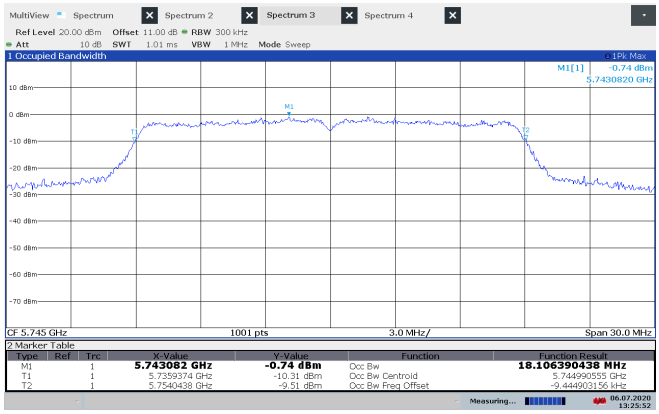
99% Occupied BW, 5700 MHz, 802.11a, 6Mb



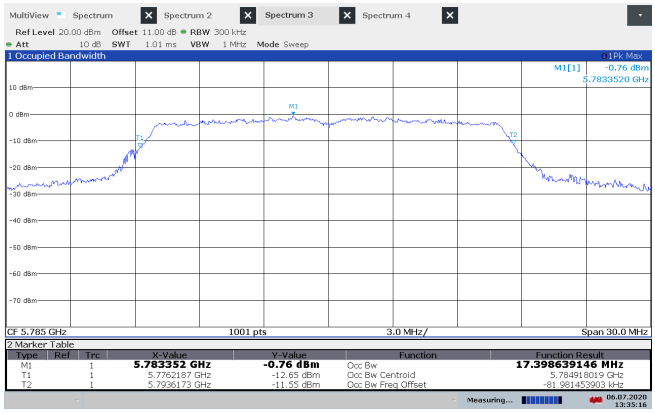
99% Occupied BW, 5700 MHz, 802.11n, HT20



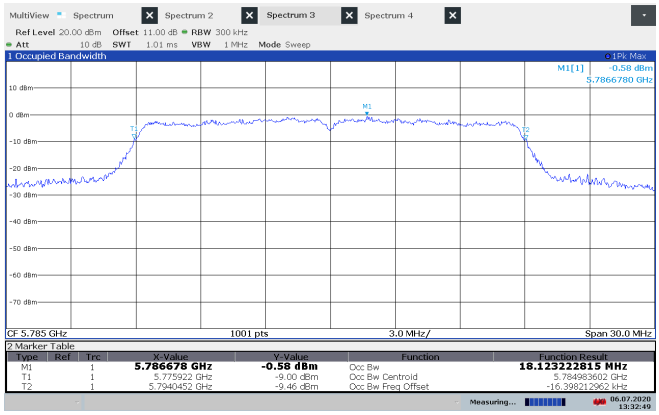
99% Occupied BW, 5745 MHz, 802.11a, 6Mb



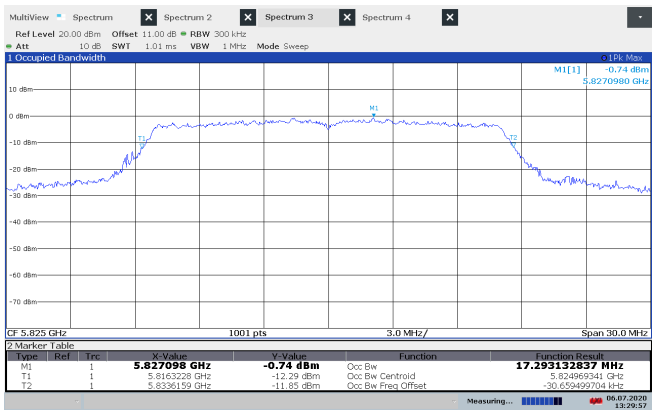
99% Occupied BW, 5745 MHz, 802.11n, HT20



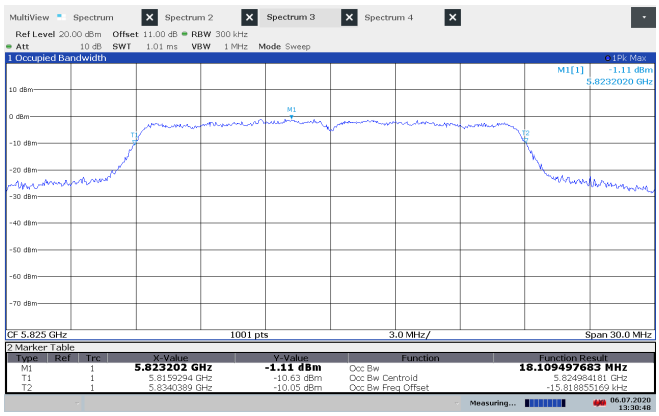
99% Occupied BW, 5785 MHz, 802.11a, 6Mb



99% Occupied BW, 5785 MHz, 802.11n, HT20



99% Occupied BW, 5825 MHz, 802.11a, 6Mb



99% Occupied BW, 5825 MHz, 802.11n, HT20

3.3 DTS Bandwidth

Para. No.: 15.407(e)

ISED RSS-247, Issue 2, Clause 6.2.4

Measurement procedure: ANSI C63.10-2013 Clause 11.8, Option 1

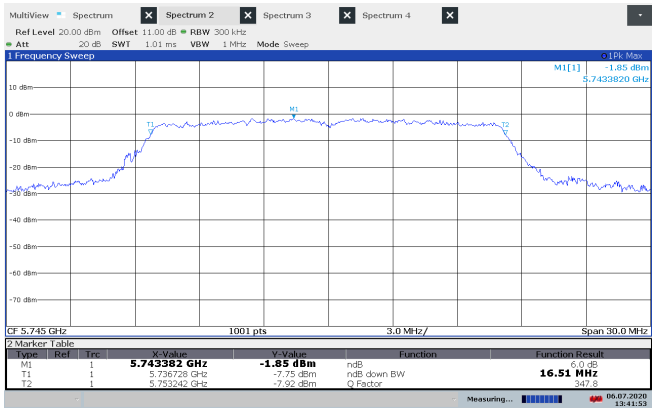
Test Results: Complies

Measurement Data:

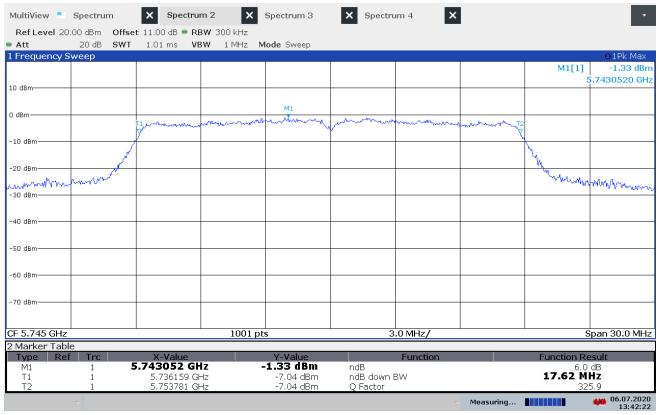
Ch. No.	Nominal Frequency (MHz)	DTS Bandwidth, Measured Values (MHz)	
		802.11a 6Mb	802.11n HT20
149	5745	16.5	17.6
157	5785	16.5	17.6
165	5825	16.5	17.6

Limit:

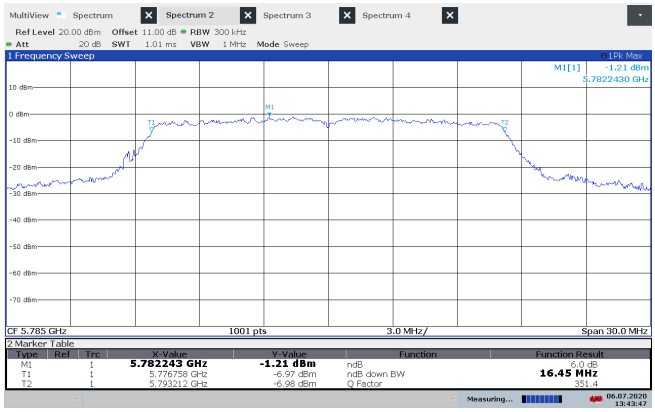
Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.



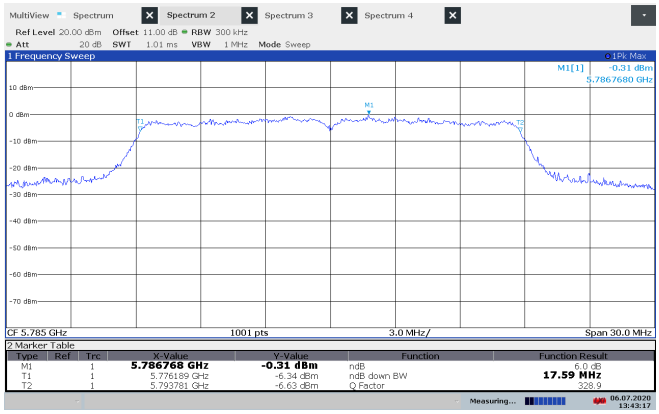
DTS BW, 5745 MHz, 802.11a, 6Mb



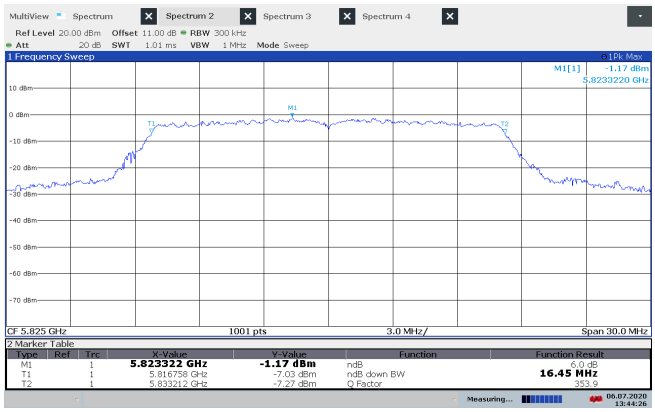
DTS BW, 5745 MHz, 802.11n, HT20



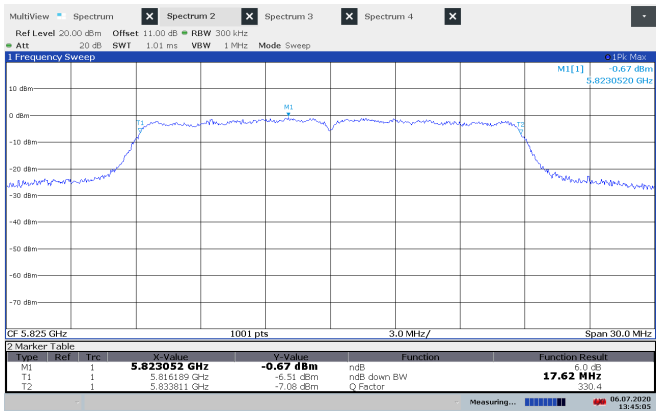
DTS BW, 5785 MHz, 802.11a, 6Mb



DTS BW, 5785 MHz, 802.11n, HT20



DTS BW, 5825 MHz, 802.11a, 6Mb



DTS BW, 5825 MHz, 802.11n, HT20

3.4 Peak Power Spectral Density

FCC 15.407(a)

ISED RSS-247, Issue 2, Clause 6.2

Measurement procedure: ANSI C63.10-2013 Clause 12.5

Test Results: Complies

Measurement Data:

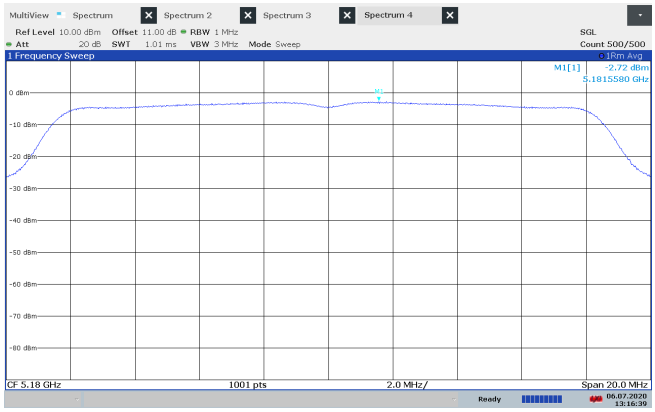
Ch. No.	Nominal Frequency (MHz)	Measured Value (dBm)	
		802.11a 6Mb	802.11n HT20
36	5180	-2.7	-3.9
44	5220	-0.4	-0.5
48	5240	-0.4	-0.7
52	5280	-2.7	-2.9
64	5320	-4.5	-3.7
100	5500	-5.7	-5.2
112	5560	-4.5	-4.0
140	5700	-4.8	-3.8
149	5745	-7.6	-7.3
157	5785	-6.9	-7.1
165	5825	-6.8	-7.3

Values in U-NII Band 3 that were measured with RBW=1MHz have been corrected by -3dB.

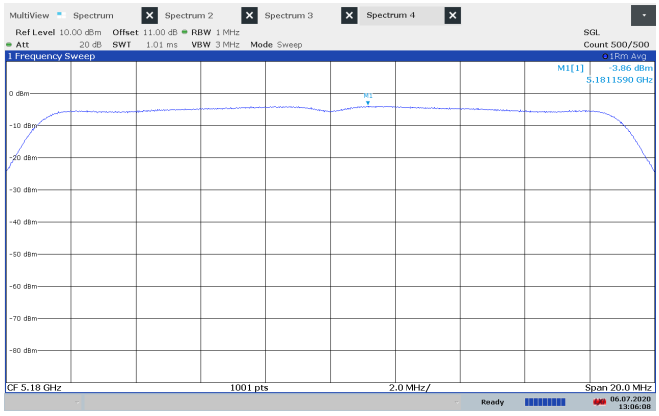
Antenna Gain is less than 6 dBi for all frequencies above.

Limits:

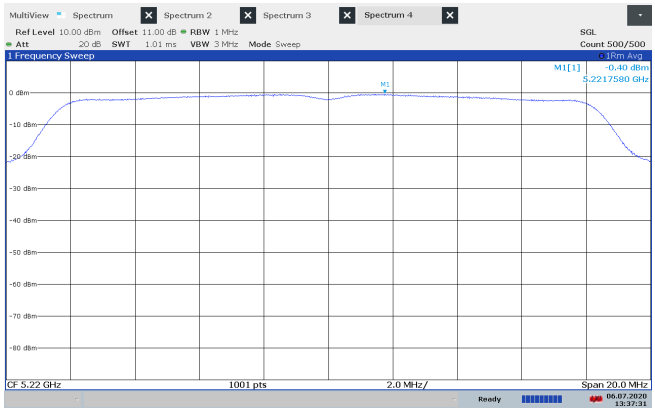
Frequency Band	FCC 15.407(a)	RSS-247, Issue 2
5150 – 5250 MHz	Less than 17 dBm/MHz for master device Less than 11 dBm/MHz for client device	Less than 10 dBm/MHz e.i.r.p. (only indoor allowed)
5250 – 5350 MHz	Less than 11 dBm/MHz	Less than 11 dBm/MHz
5470 – 5725 MHz	Less than 11 dBm/MHz	Less than 11 dBm/MHz
5725 – 5825 MHz	Less than 30 dBm/500kHz	Less than 30 dBm/500kHz
	If Antenna Gain is more than 6 dBi the limit above is reduced by the amount exceeding 6 dBi	



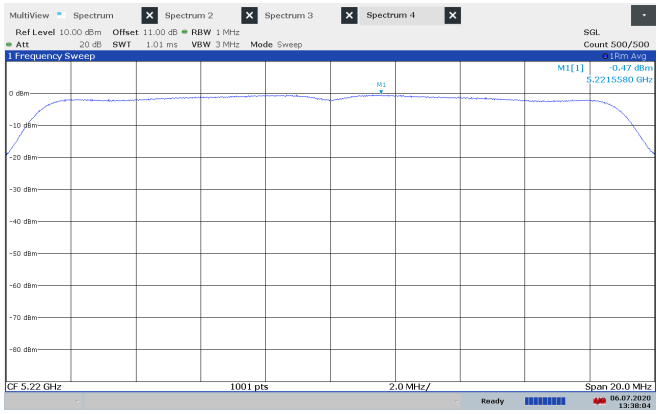
PSD, 5180 MHz, 802.11a, 6Mb



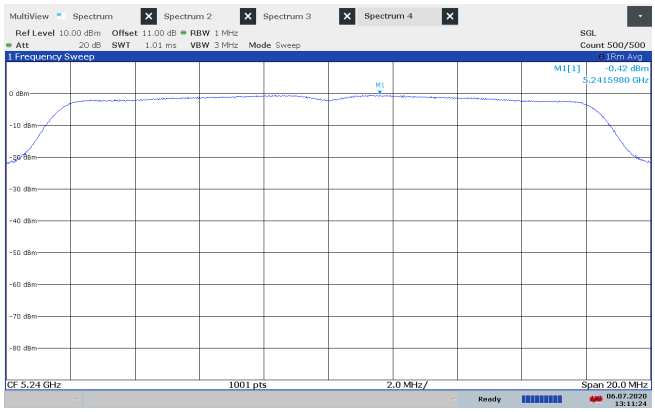
PSD, 5180 MHz, 802.11n, HT20



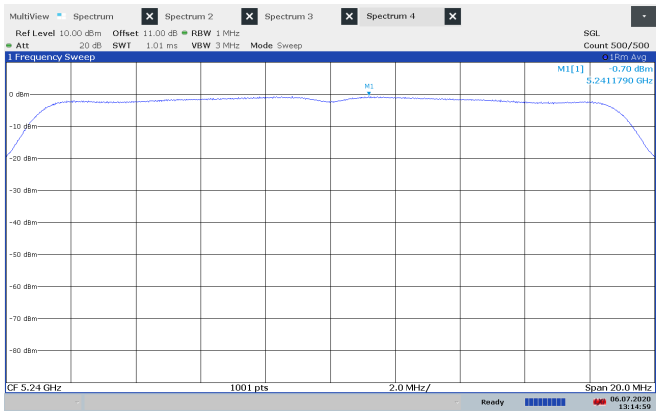
PSD, 5220 MHz, 802.11a, 6Mb



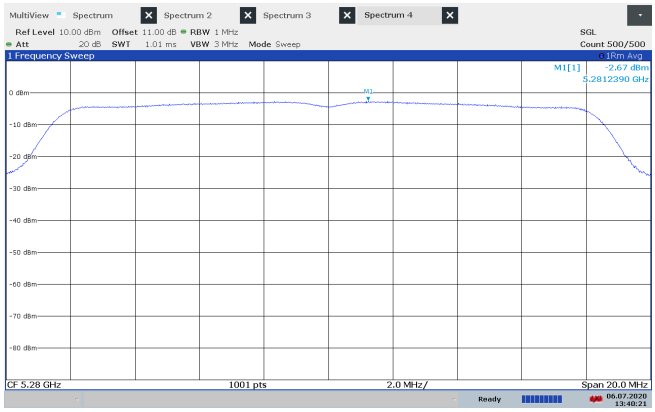
PSD, 5220 MHz, 802.11n, HT20



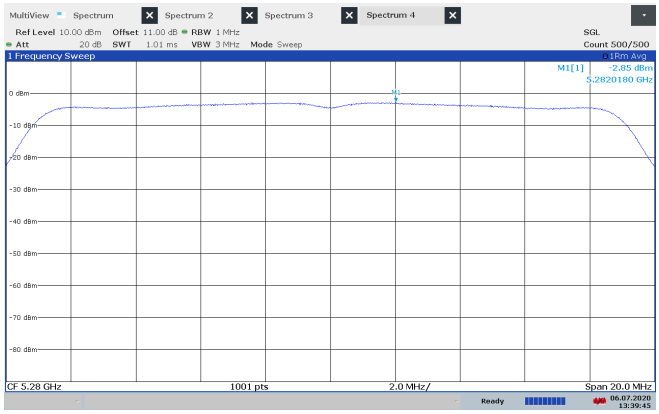
PSD, 5240 MHz, 802.11a, 6Mb



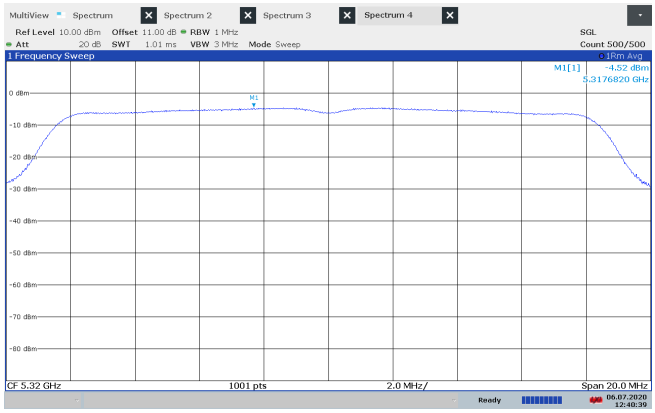
PSD, 5240 MHz, 802.11n, HT20



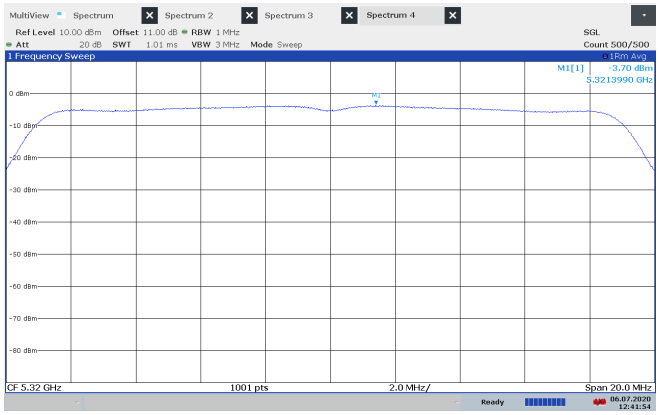
PSD, 5280 MHz, 802.11a, 6Mb



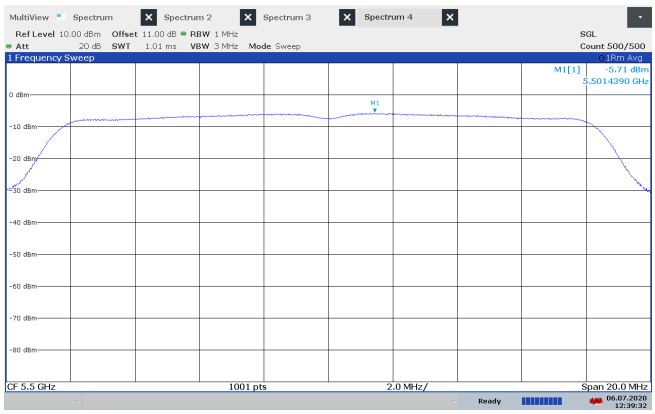
PSD, 5280 MHz, 802.11n, HT20



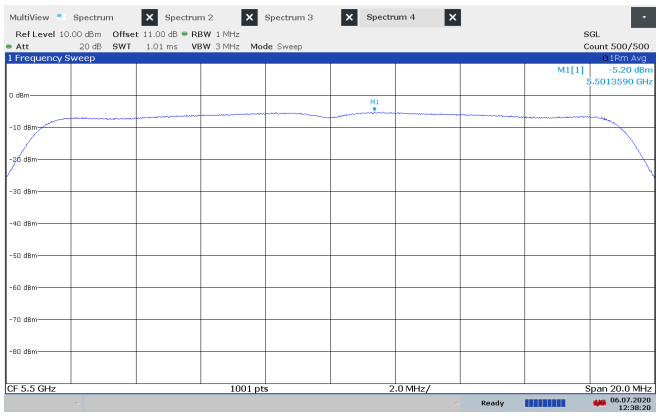
PSD, 5320 MHz, 802.11a, 6Mb



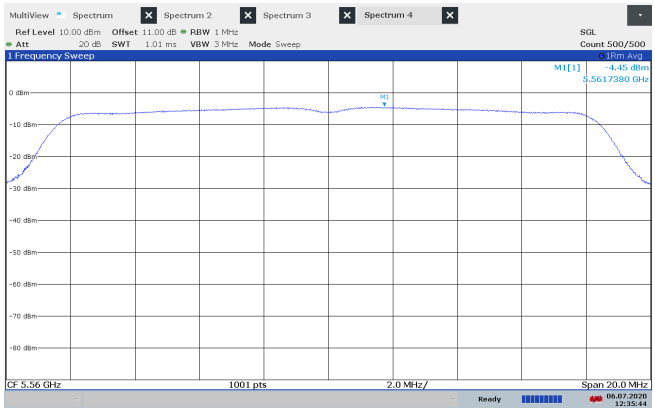
PSD, 5320 MHz, 802.11n, HT20



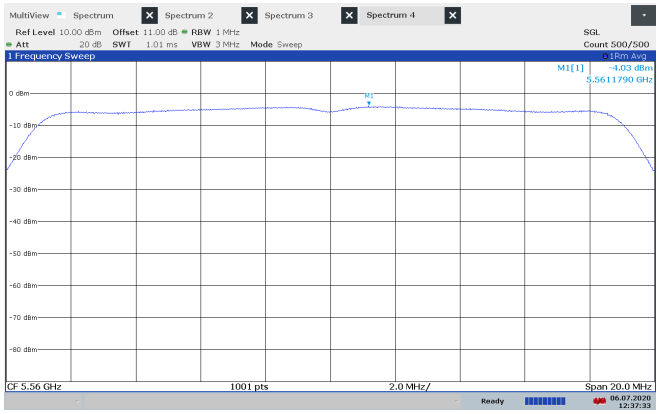
PSD, 5500 MHz, 802.11a, 6Mb



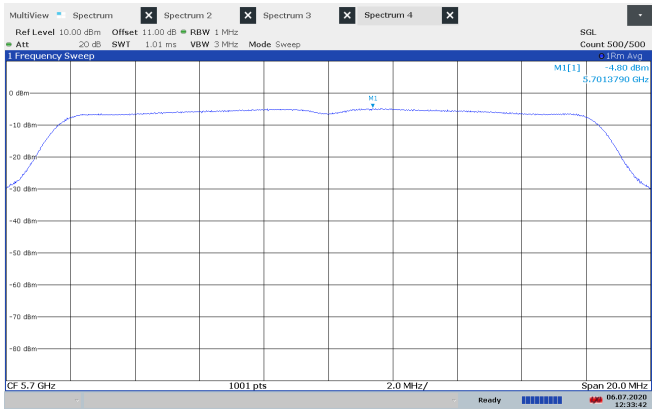
PSD, 5500 MHz, 802.11n, HT20



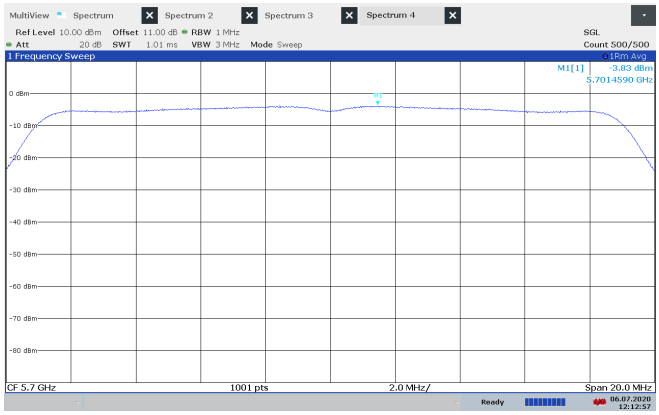
PSD, 5560 MHz, 802.11a, 6Mb



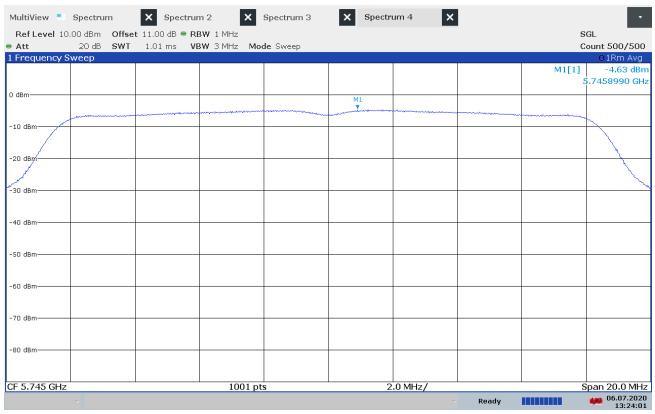
PSD, 5560 MHz, 802.11n, HT20



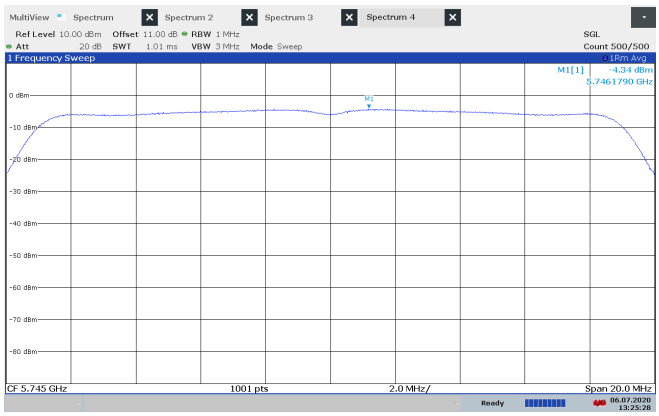
PSD, 5700 MHz, 802.11a, 6Mb



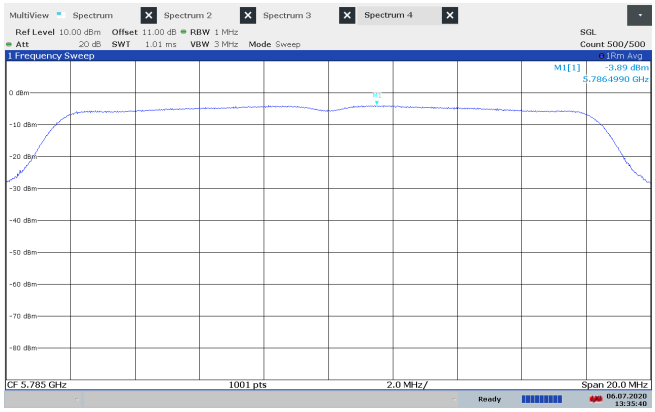
PSD, 5700 MHz, 802.11n, HT20



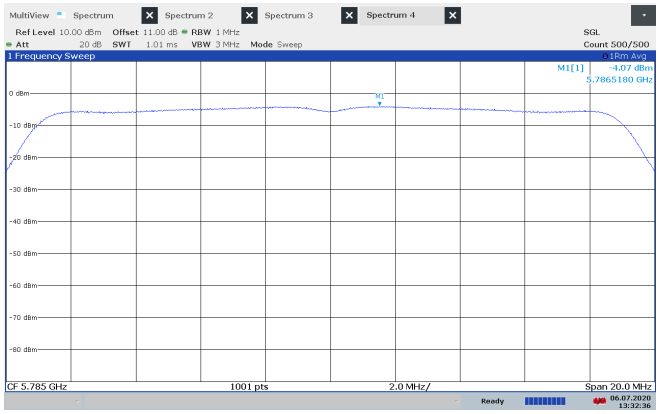
PSD, 5745 MHz, 802.11a, 6Mb



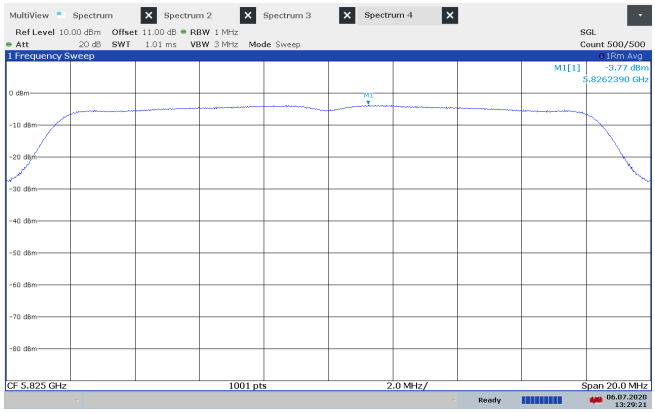
PSD, 5745 MHz, 802.11n, HT20



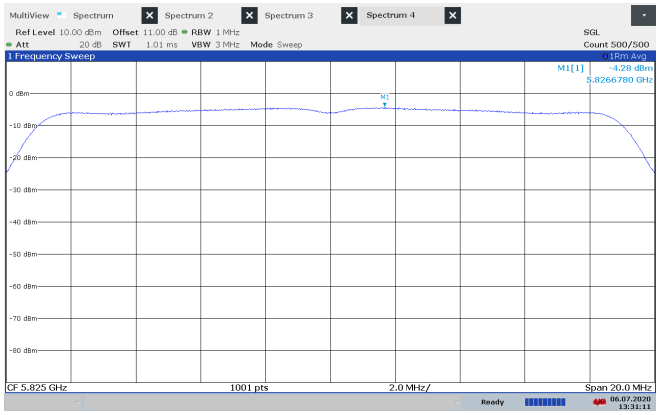
PSD, 5785 MHz, 802.11a, 6Mb



PSD, 5785 MHz, 802.11n, HT20



PSD, 5825 MHz, 802.11a, 6Mb



PSD, 5825 MHz, 802.11n, HT20

3.5 Unwanted Emissions

FCC 15.407 (b)

ISED RSS-247, Issue 2, clause 6.2

Measurement procedure: ANSI C63.10-2013 Clause 12.7

Test Results: Complies

Measurement Data:

Band Edge Emissions:

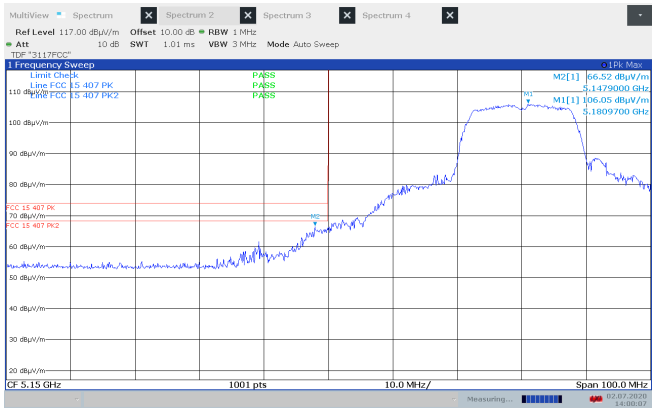
Ch. No.	Carrier Frequency (MHz)	Band Edge Frequency (MHz)	Measured Values (dBm/MHz e.i.r.p.)	
			802.11a 6Mb	802.11n HT20
36	5180	5150	-28.4	-27.6
64	5320	5350	-28.5	-27.2
100	5500	5470	-29.6	-28.2
140	5700	5725	-29.3	-27.6
149	5745	5650	< -40	< -40
149	5745	5700	< -20	< -20
165	5825	5875	< -20	< -20
165	5825	5925	< -40	< -40

The measurement was performed radiated.
EIRP values were calculated from field strength using the method in KDB 412172 D01.
The tested equipment is for indoor use only, no band-edge requirements apply at 5250 MHz.

Limits:

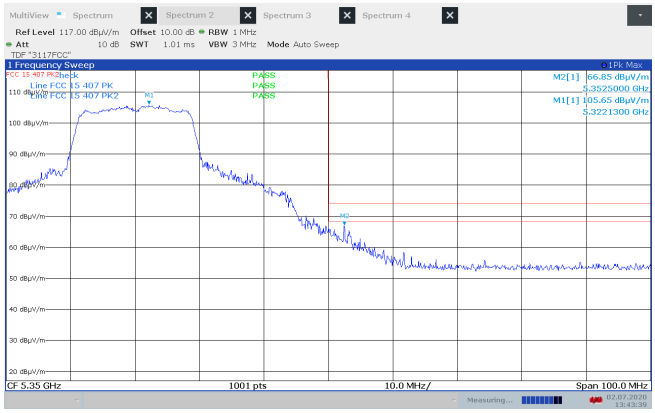
Operating Frequency band	Limit for Emissions Outside Operating Frequency Band
5150 – 5250 MHz	-27 dBm/MHz e.i.r.p.
5250 – 5350 MHz	-27 dBm/MHz e.i.r.p.
5470 – 5725 MHz	-27 dBm/MHz e.i.r.p.
5725 – 5825 MHz	See FCC 15.407(b)(4)(i) or 15.407(b)(4)(ii)

Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.

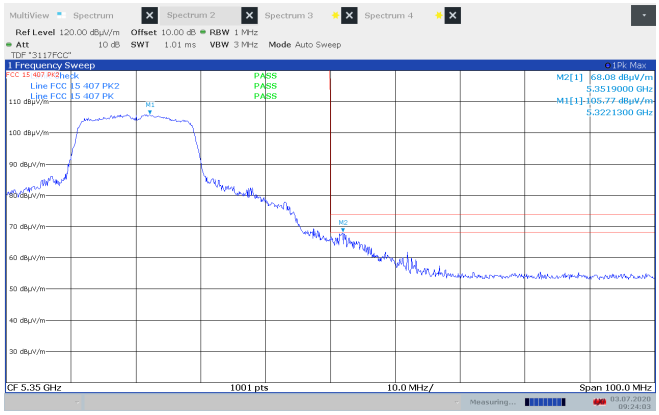


Band Edge 5150 MHz, ch036, 802.11a 6Mb, EUT V, VP, Ant 2, Max

Band Edge 5150 MHz, ch036, 802.11n HT20, EUT V, VP, Ant 1, Max

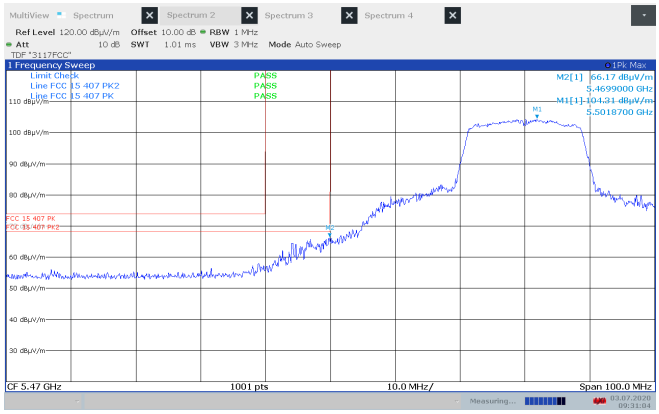


Band Edge 5350 MHz, ch064, 802.11a 6Mb, EUT V, VP, Ant 1, Max



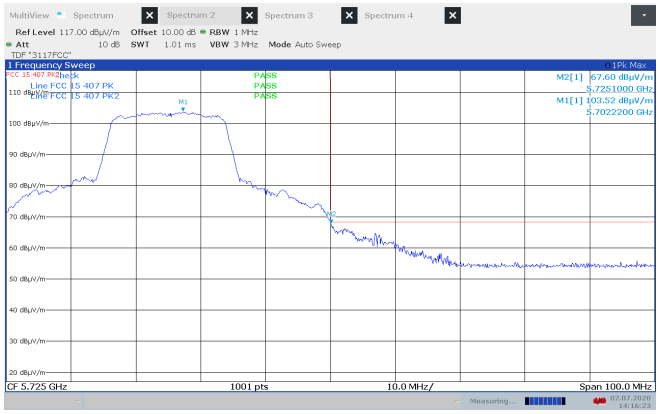
Band Edge 5350 MHz, ch064, 802.11n HT20, EUT V, VP, Ant 2, Max

Band Edge 5470 MHz, ch100, 802.11a 6Mb, EUT V, VP, Ant 1, Max

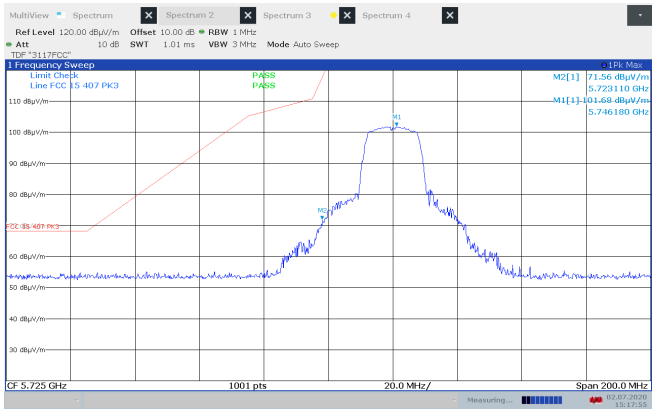


Band Edge 5470 MHz, ch100, 802.11n HT20, EUT V, VP, Ant 1, Max

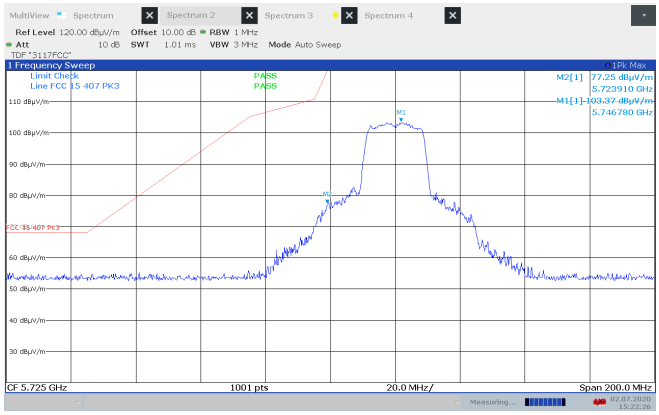
Band Edge 5725 MHz, ch140, 802.11a 6Mb, EUT V, VP, Ant 2, Max



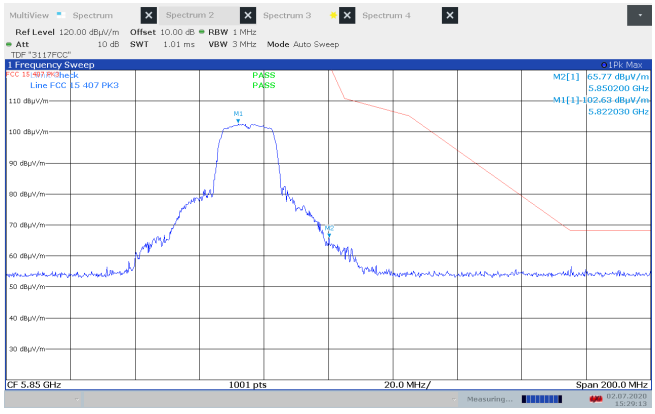
Band Edge 5725 MHz, ch140, 802.11n HT20, EUT V, VP, Ant 1, Max



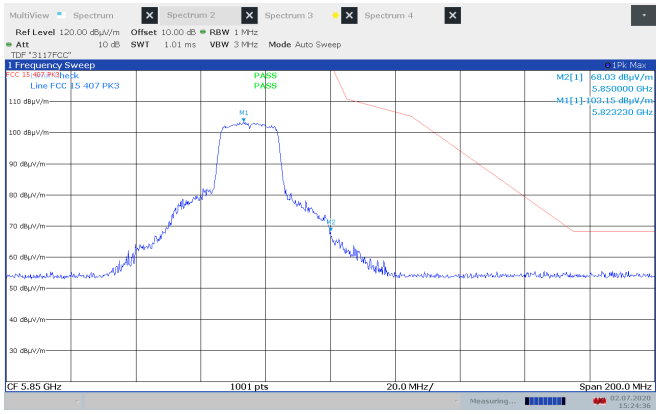
Band Edge 5725 MHz, ch149, 802.11a 6Mb, EUT V, VP, Ant 1, Max



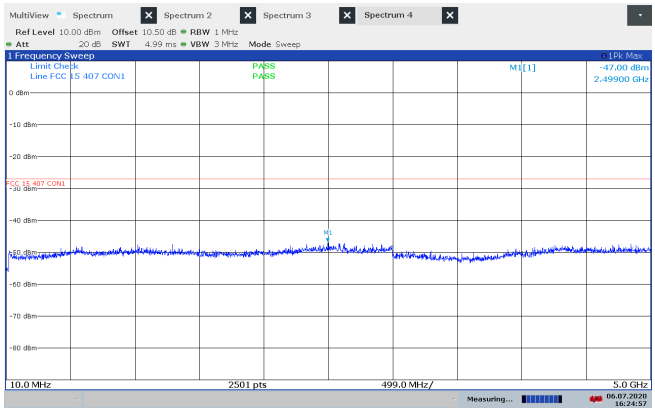
Band Edge 5725 MHz, ch149, 802.11n HT20, EUT V, VP, Ant 1, Max



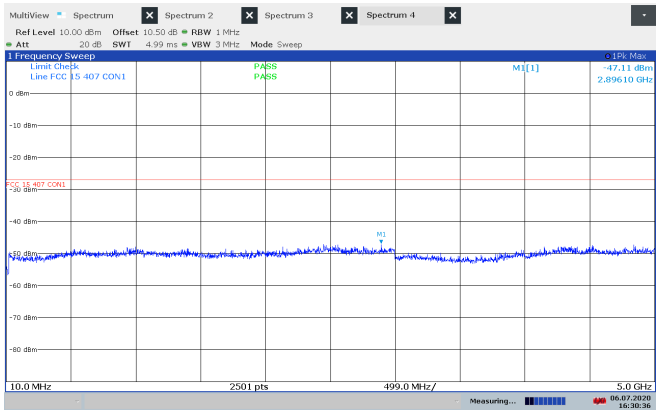
Band Edge 5850 MHz, ch165, 802.11a 6Mb, EUT V, VP, Ant 1, Max



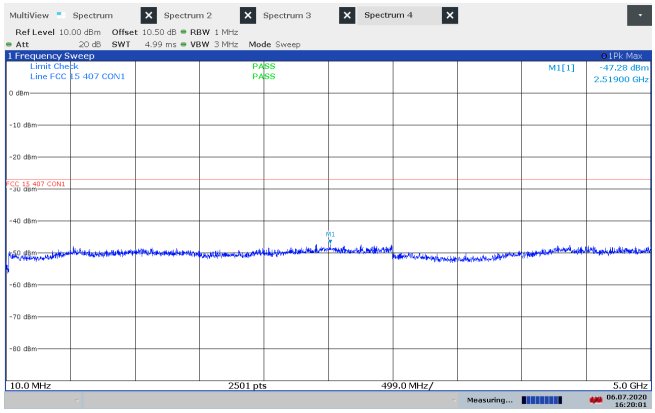
Band Edge 5850 MHz, ch165, 802.11n HT20, EUT V, VP, Ant 1, Max



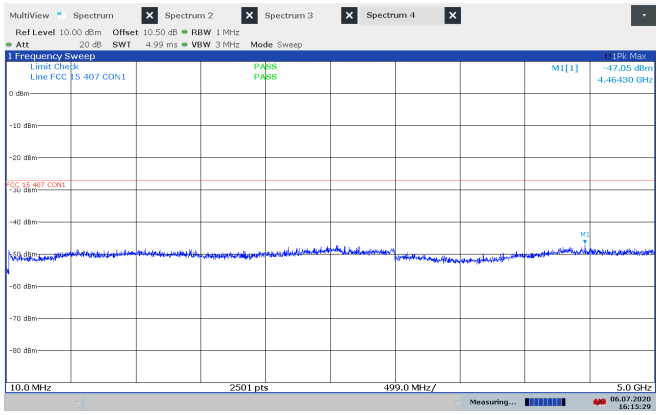
Unwanted Emissions 10-5000 MHz, ch052, 802.11a 6Mb, Conducted



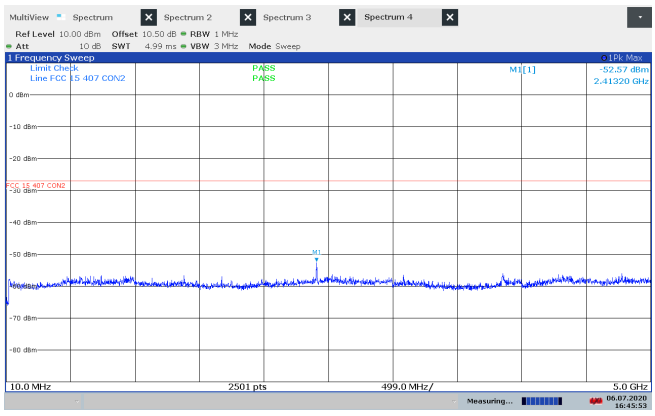
Unwanted Emissions 10-5000 MHz, ch052, 802.11n HT20, Conducted



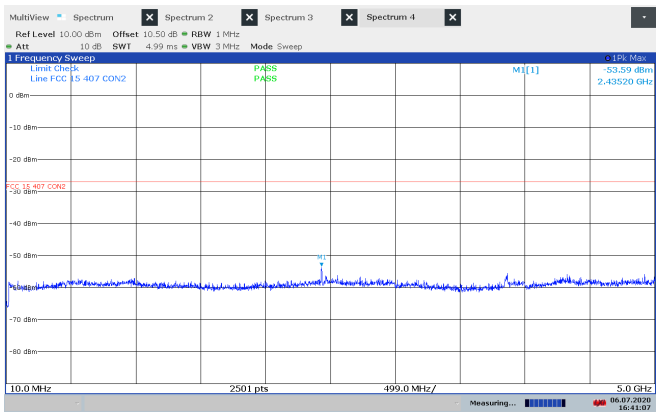
Unwanted Emissions 10-5000 MHz, ch112, 802.11a 6Mb, Conducted



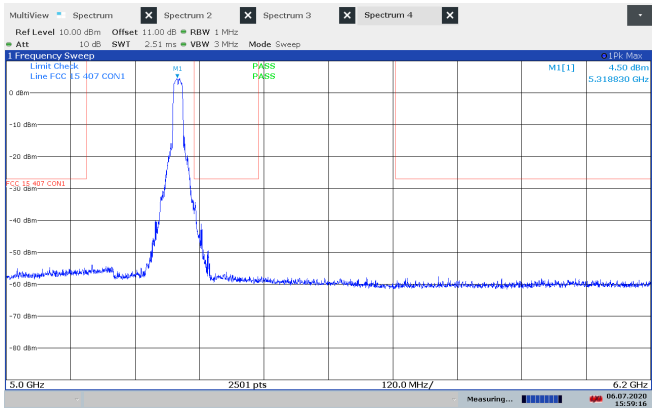
Unwanted Emissions 10-5000 MHz, ch112, 802.11n HT20, Conducted



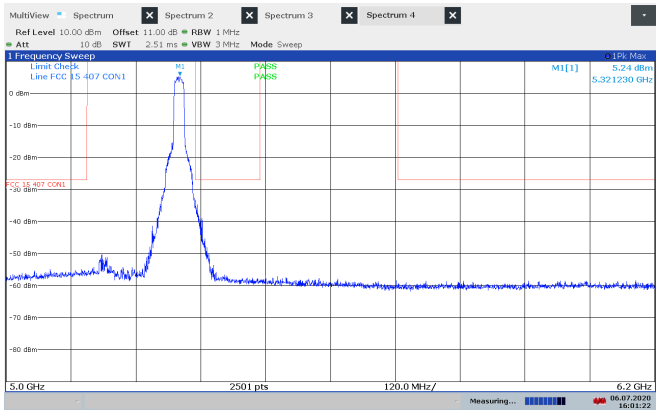
Unwanted Emissions 10-5000 MHz, ch157, 802.11a 6Mb, Conducted



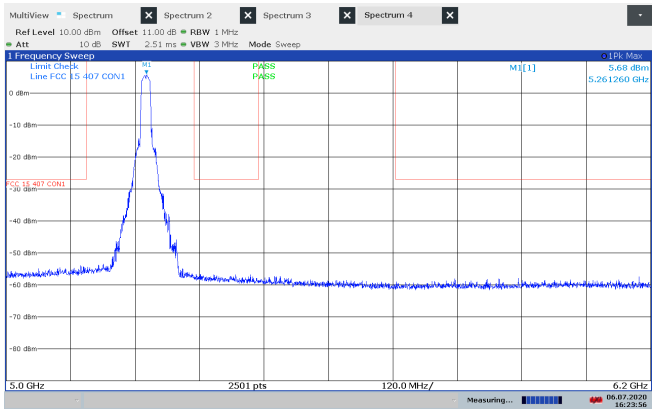
Unwanted Emissions 10-5000 MHz, ch157, 802.11n HT20, Conducted



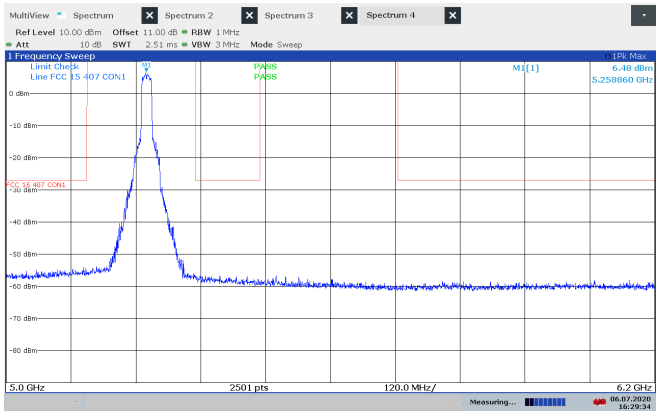
Unwanted Emissions 5000-6200 MHz, ch036, 802.11a 6Mb, Conducted



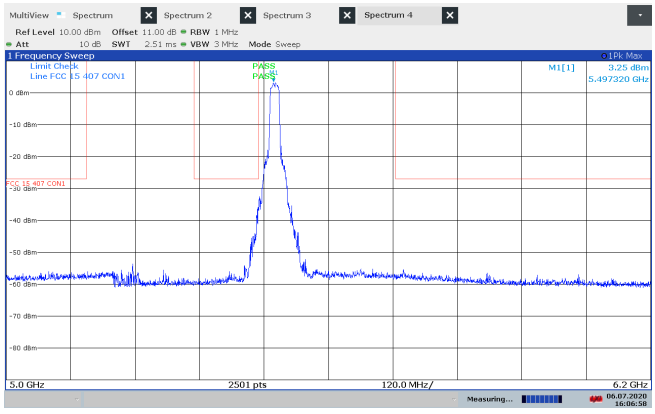
Unwanted Emissions 5000-6200 MHz, ch036, 802.11n HT20, Conducted



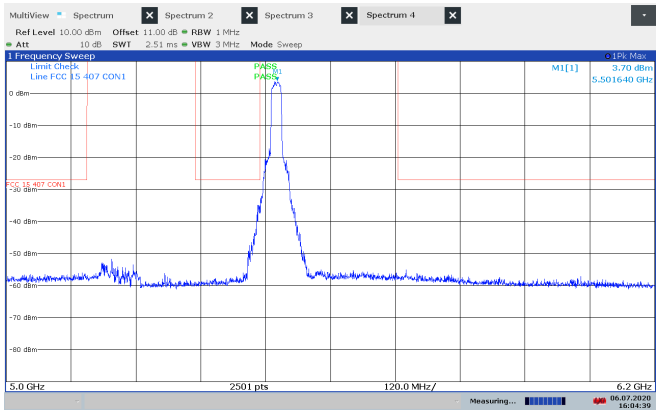
Unwanted Emissions 5000-6200 MHz, ch052, 802.11a 6Mb, Conducted



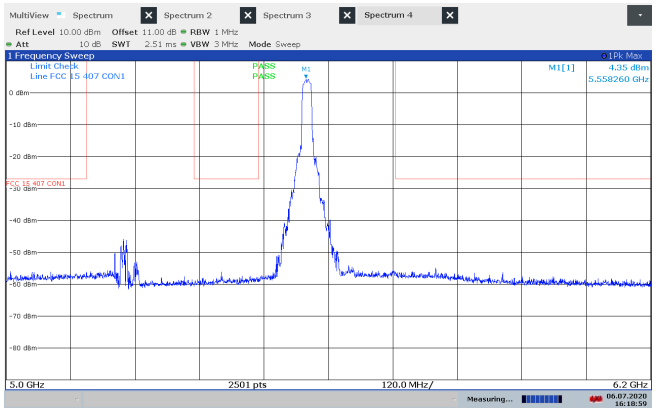
Unwanted Emissions 5000-6200 MHz, ch052, 802.11n HT20, Conducted



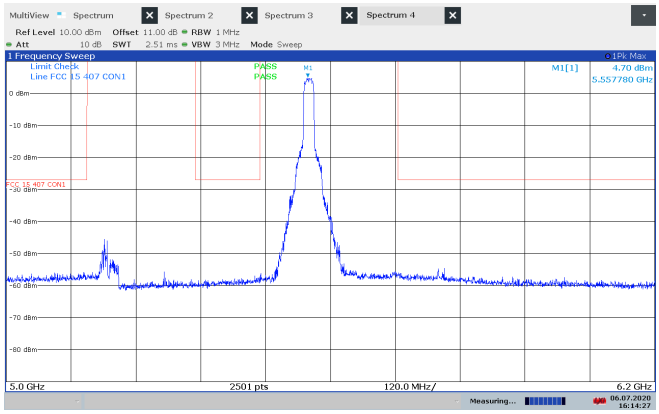
Unwanted Emissions 5000-6200 MHz, ch100, 802.11a 6Mb, Conducted



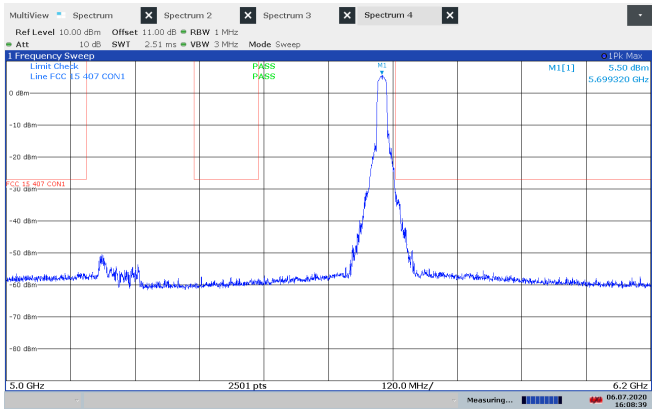
Unwanted Emissions 5000-6200 MHz, ch100, 802.11n HT20, Conducted



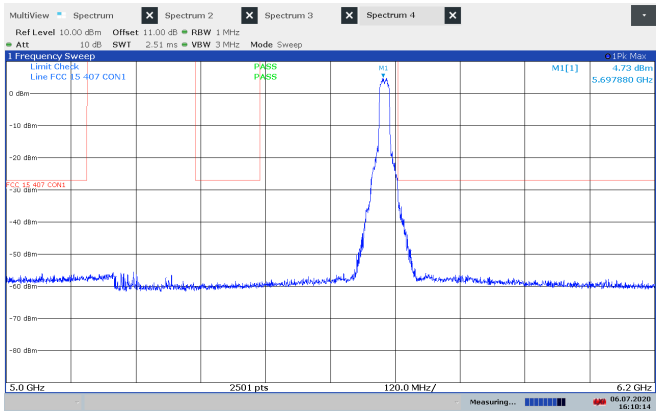
Unwanted Emissions 5000-6200 MHz, ch112, 802.11a 6Mb, Conducted



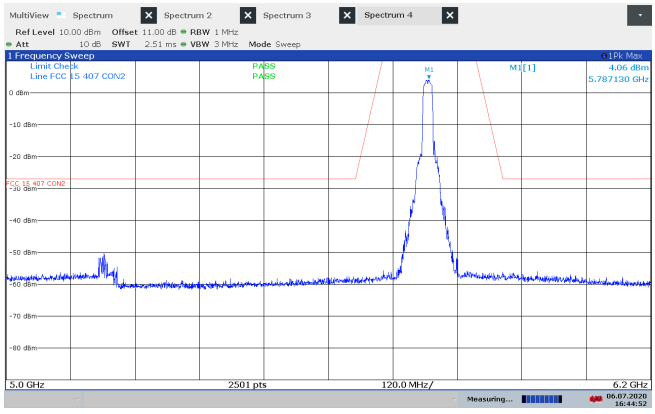
Unwanted Emissions 5000-6200 MHz, ch112, 802.11n HT20, Conducted



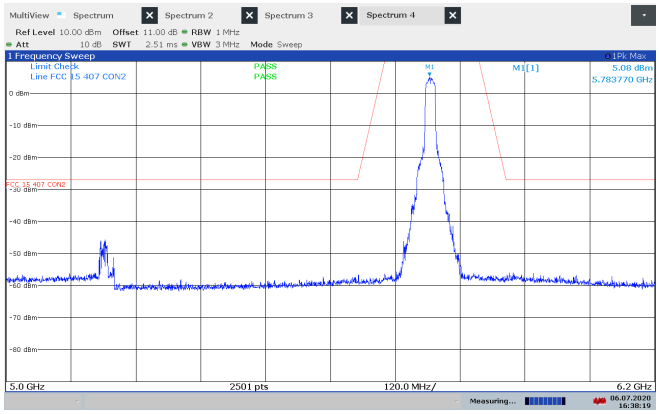
Unwanted Emissions 5000-6200 MHz, ch140, 802.11a 6Mb, Conducted



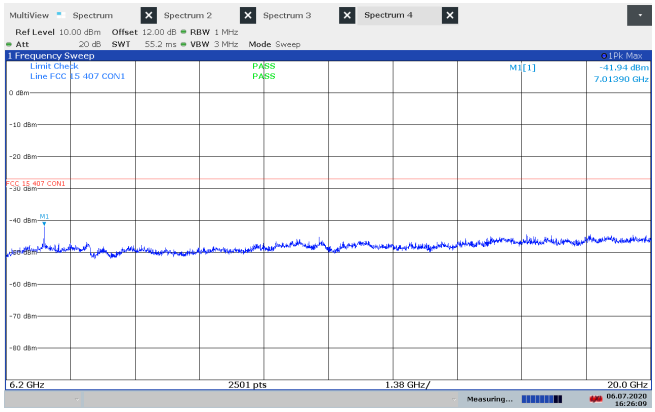
Unwanted Emissions 5000-6200 MHz, ch140, 802.11n HT20, Conducted



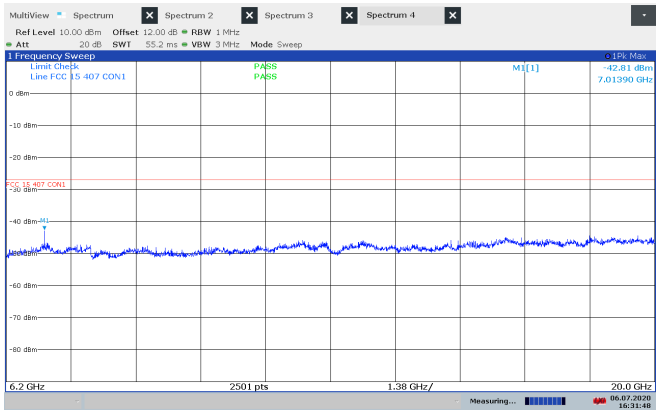
Unwanted Emissions 5000-6200 MHz, ch157, 802.11a 6Mb, Conducted



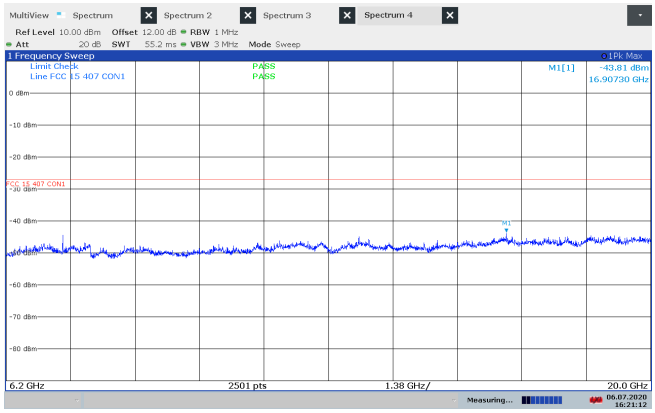
Unwanted Emissions 5000-6200 MHz, ch157, 802.11n HT20, Conducted



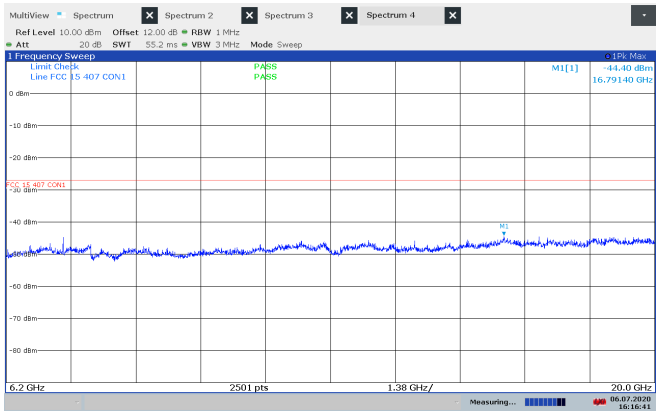
Unwanted Emissions 6.2-20 GHz, ch052, 802.11a 6Mb, Conducted



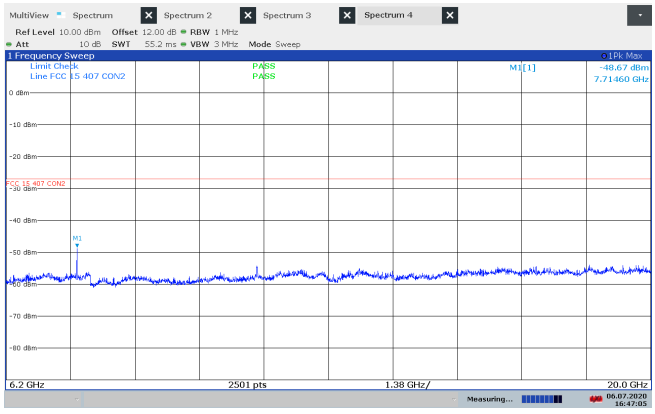
Unwanted Emissions 6.2-20 GHz, ch052, 802.11n HT20, Conducted



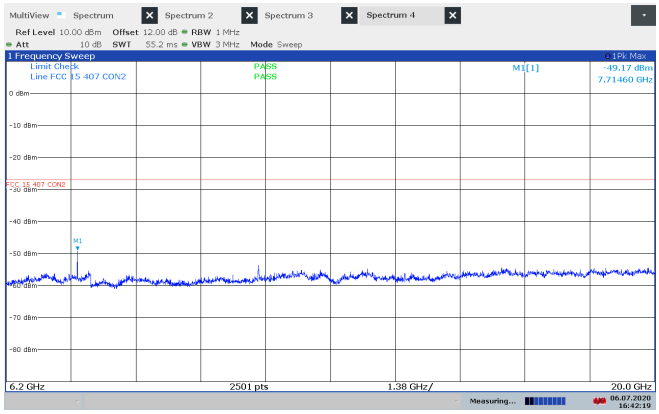
Unwanted Emissions 6.2-20 GHz, ch112, 802.11a 6Mb, Conducted



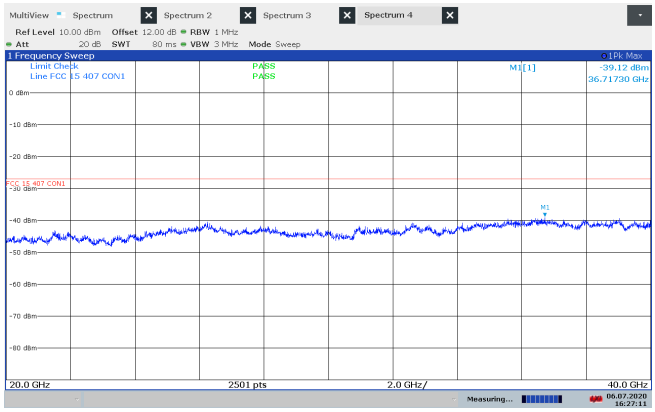
Unwanted Emissions 6.2-20 GHz, ch112, 802.11n HT20, Conducted



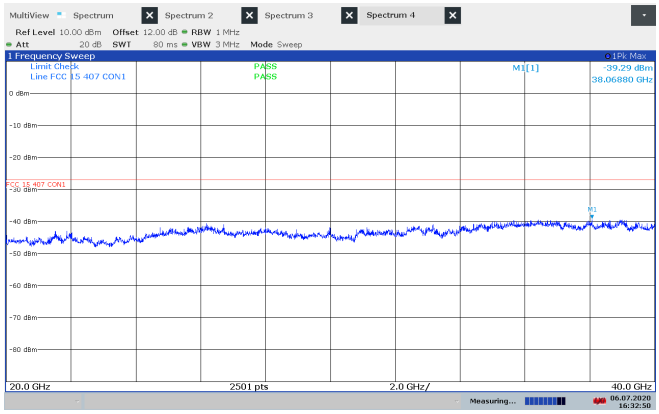
Unwanted Emissions 6.2-20 GHz, ch157, 802.11a 6Mb, Conducted



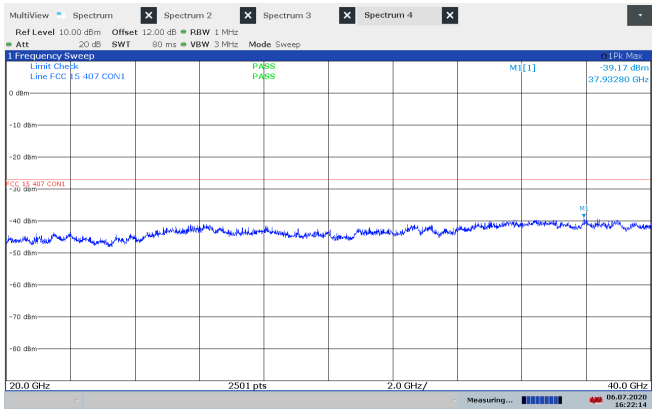
Unwanted Emissions 6.2-20 GHz, ch157, 802.11n HT20, Conducted



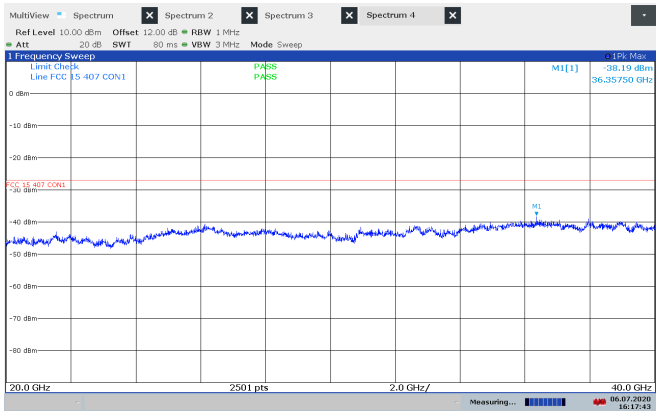
Unwanted Emissions 20-40 GHz, ch052, 802.11a 6Mb, Conducted



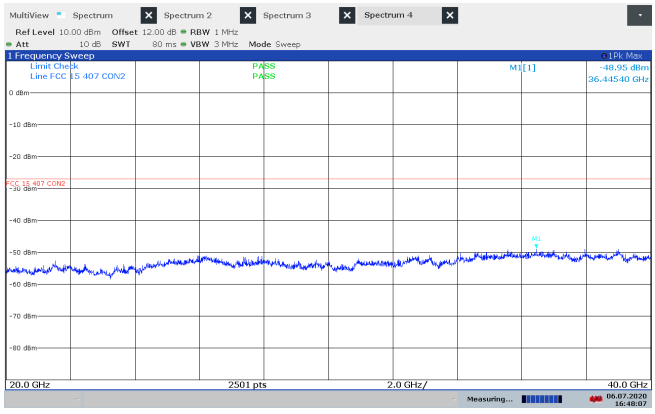
Unwanted Emissions 20-40 GHz, ch052, 802.11n HT20, Conducted



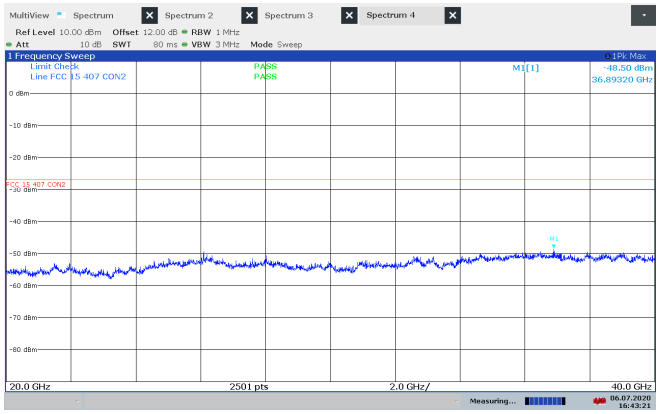
Unwanted Emissions 20-40 GHz, ch112, 802.11a 6Mb, Conducted



Unwanted Emissions 20-40 GHz, ch112, 802.11n HT20, Conducted



Unwanted Emissions 20-40 GHz, ch157, 802.11a 6Mb, Conducted



Unwanted Emissions 20-40 GHz, ch157, 802.11n HT20, Conducted