CERTIFICATE #3478.01

TEST REPORT

EUT Description	**WLAN and BT, 2x2 PCIe M.2 2230 adapter card,**
Brand Name	**Intel® Wi-Fi 6 AX200**
Model Name	**AX200NGW**
FCC ID	**PD9AX200NG**
Date of Test Start/End	**2019-01-03 / 2019-02-12**
Features	**802.11ax, Dual Band, 2x2 Wi-Fi + Bluetooth® 5** (see section 5)

Applicant	**Intel Mobile Communications**
Address	**100 Center Point Circle, Suite 200** **Columbia, South Carolina 29210** **USA**
Contact Person	**Steven Hackett**
Telephone/Fax/ Email	**steven.c.hackett@intel.com**

Reference Standards	**FCC CFR Title 47 Part 15 E** (see section 1)

Test Report identification	**181210-03.TR01**
Revision Control	**Rev. 00** **This test report revision replaces any previous test report revision** (see section 8)

The test results relate only to the samples tested.
The test report shall not be reproduced in full, without written approval of the laboratory.

Issued by

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1. Standards, reference documents and applicable test methods

1. FCC 47 CFR part 15 – Subpart E – Unlicensed National Information Infrastructure Devices.
2. FCC 47 CFR part 15 - Subpart C – §15.209 Radiated emission limits; general requirements.
3. FCC OET KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 – Guidelines for compliance testing of Unlicensed National Information Infrastructure (U-NII) Devices (Part 15, Subpart E).
4. ANSI C63.10-2013 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

2. General conditions, competences and guarantees

- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2005 testing laboratory accredited by the American Association for Laboratory Accreditation (A2LA) with the certificate number 3478.01.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm recognized by the FCC, with Designation Number FR0011.
- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.
- ✓ This report does not imply an approval of the product by the Certification Bodies or competent Authorities.

3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

Temperature	24°C ± 1°C
Humidity	33% ± 13%

4. Test samples

Sample	Control #	Description	Model	Serial #	Date of receipt	Note
#01	181210-03.S01	RF Module	AX200NGW	WFM:3413E8B14621	2018-12-17	Used for conducted tests
	170524-01.S12	EXTENDER	PCB00495	4955013-375	2017-05-29	
	170000-01.S01	LAPTOP	LATITUDE E5470	DBLMC2	2017-03-28	
#02	181210-03.S07	RF Module	AX200NGW	WFM:3413E8B143F1	2018-12-17	Radiated Spurious emission from 30 MHz to 6.4 GHz
	180000-01.S15	Extender	PCB00495/PCB0 0496	4950414-064	2018-11-22	
	181210-02.S16	Antenna	WIMAX/WLAN	-	2019-01-04	
	181210-02.S17	Antenna	WIMAX/WLAN	-	2019-01-04	
	170209-01.S16	PC Dell	Latitude E5470	C1HTPF2	2017-02-09	
#03	181210-03.S06	RF Module	AX200NGW	WFM:3413E8B14383	2018-12-17	Radiated Spurious emission from 6.4 GHz to 40 GHz
	180000-01.S12	Extender	PCB00495/PCB0 0496	ASS00495-001 4950414-028	2018-11-22	
	181210-02.S18	Antenna	WIMAX/WLAN	-	2019-01-04	
	181210-02.S19	Antenna	WIMAX/WLAN	-	2019-01-04	
	170801-01.S10	PC Dell	Latitude E5470	7KNOXF2	2017-09-08	

5. EUT Features

Brand Name	Intel® Wi-Fi 6 AX200
Model Name	AX200NGW
FCC ID	PD9AX200NG
Software Version	OEM_DRTU_08900_11_1850_0G
Driver Version	99.0.41.5
Prototype / Production	Production
Supported Radios	802.11b/g/n/ax 2.4GHz (2400.0 – 2483.5 MHz) 802.11a/n/ac/ax 5.2GHz (5150.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz) Bluetooth 5 2.4GHz (2400.0 – 2483.5 MHz)
Antenna Information	CHAIN A: PIFA antenna. WiFi 2.4GHz & 5GHz and BT CHAIN B: PIFA antenna. WiFi 2.4GHz & 5GHz
Additional Information	

6. Remarks and comments

N/A

7. Test Verdicts summary

7.1. 802.11 a/n/ac/ax – U-NII-1

FCC part	Test name	Verdict
15.407 (a) (1)	Power Limits. Maximum output power	P
15.407 (a) (1)	Peak power spectral density	P
15.407 (b) (1) 15.209	Undesirable emissions limits: Band Edge (conducted)	P
15.407 (b) (1) 15.209	Undesirable emissions limits (radiated)	P

7.2. 802.11 a/n/ac/ax – U-NII-2A

FCC part	Test name	Verdict
15.407 (a) (2)	Power Limits. Maximum output power	P
15.407 (a) (2)	Peak power spectral density	P
15.407 (b) (2) 15.209	Undesirable emissions limits: Band Edge (conducted)	P
15.407 (b) (2) 15.209	Undesirable emissions limits (radiated)	P

P: Pass
F: Fail
NM: Not Measured
NA: Not Applicable

8. Document Revision History

Revision #	Date	Modified by	Revision Details
Rev. 00	2018-02-12	M.Lefebvre	First Issue

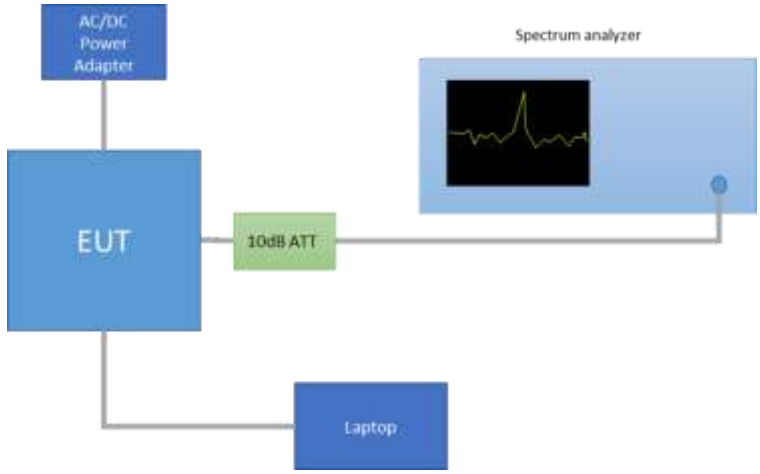
Annex A. Test & System Description

A.1 Measurement System

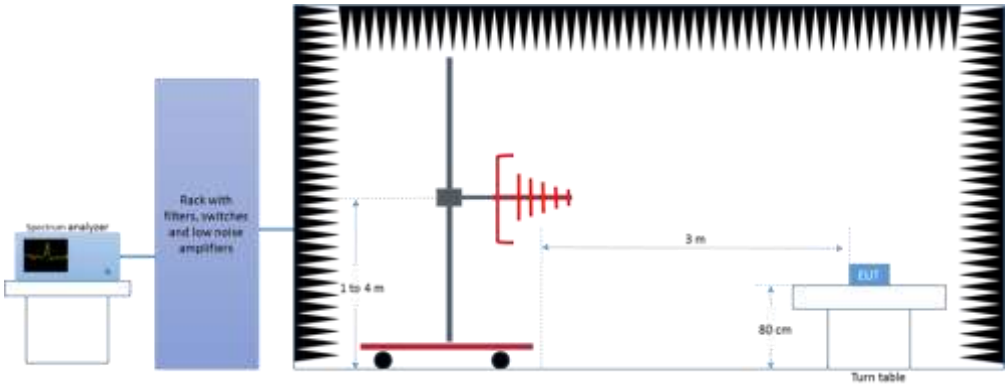
Measurements were performed using the following setups, made in accordance to the general provisions of FCC KDB 789033 D02 General UNII Test Procedures.

The DUT was installed in a test fixture and this test fixture is connected to a laptop computer and AC/DC power adapter. The laptop computer was used to configure the EUT to continuously transmit at a specified output power using all different modes and modulation schemes, using the Intel proprietary tool DRTU.

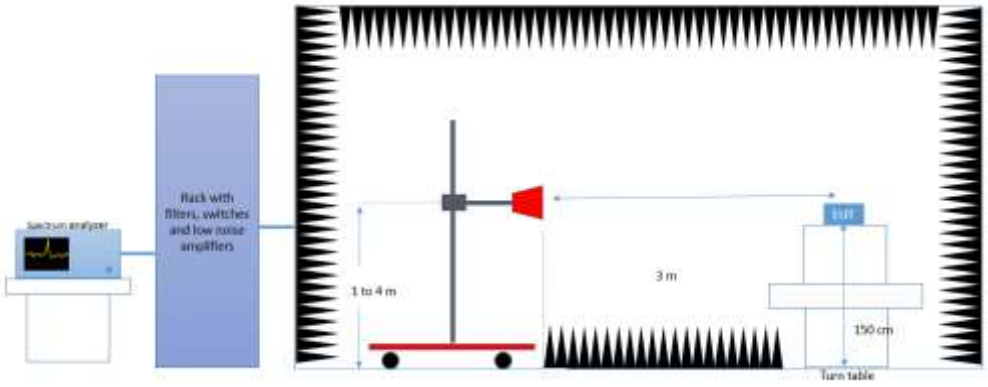
Conducted Setup



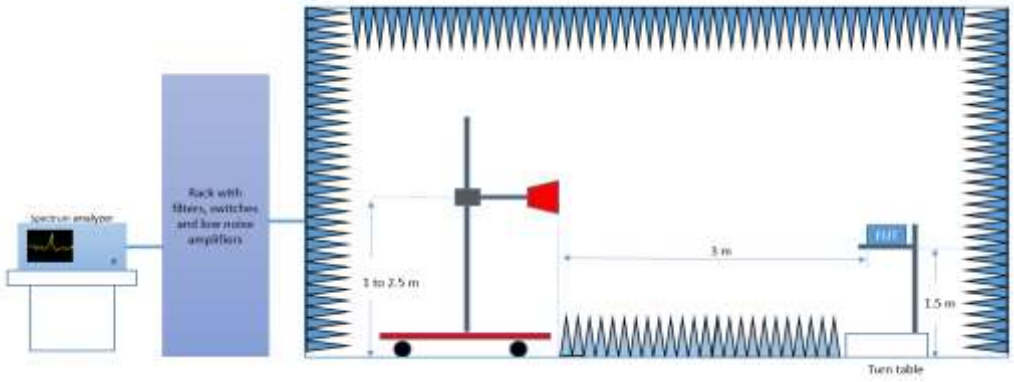
Radiated Setup 30 MHz - 1GHz



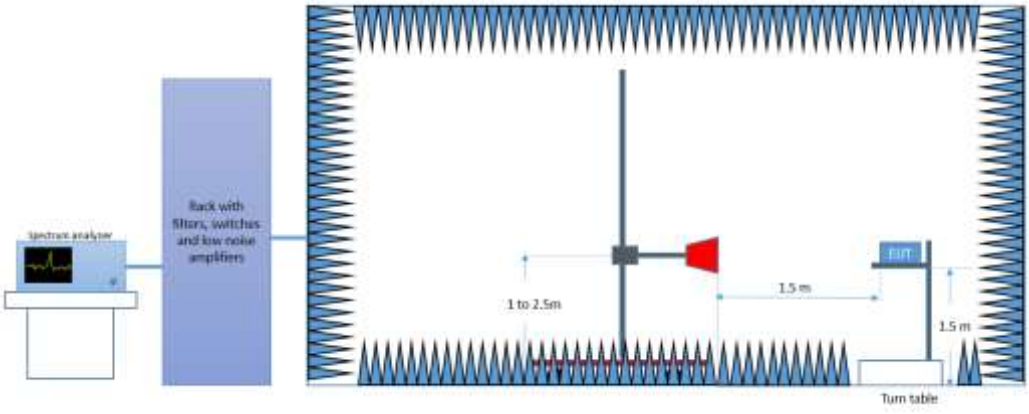
Radiated Setup 1 GHz – 6.4 GHz



Radiated Setup 6.4 GHz – 18 GHz



Radiated Setup 18 GHz – 40 GHz



Sample Calculation

The field strength is deduced from the radiated measurement using the following equation:

$$E = 126.8 – 20*\log(\lambda) + P − G$$

where
E is the field strength of the emission at the measurement distance, in dBµV/m
P is the power measured at the output of the test antenna, in dBm
λ is the wavelength of the emission under investigation [300/f_{MHz}], in m
G is the gain of the test antenna, in dBi

NOTE – The measured power P includes all applicable instrument correction factors up to the connection to the test

Antenna e.g. cable losses, amplifier gains.

For field strength measurements made at other than the distance at which the applicable limit is specified, the field strength of the emission at the distance specified by the limit is deduced as follows:

$$E_{SpecLimit} = E_{Meas} + 20*\log(D_{Meas}/D_{SpecLimit})$$

where

$E_{SpecLimit}$ is the field strength of the emission at the distance specified by the limit, in dBµV/m
E_{Meas} is the field strength of the emission at the measurement distance, in dBµV/m
D_{Meas} is the measurement distance, in m
$D_{SpecLimit}$ is the distance specified by the limit, in m

A.2 Test Equipment List

Conducted Setup

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0315	Spectrum analyzer	FSV30	103307	Rohde & Schwarz	2018-04-10	2020-04-10

Radiated Setup-1

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0420	Spectrum analyzer	FSV40	101556	Rohde & Schwarz	2018-04-11	2020-04-11
0137	Log antenna 30 MHz – 1 GHz	3142E	00156946	ETS Lindgren	2017-12-19	2019-12-19
0325	Double Ridged Horn Antenna 1 GHz – 18 GHz	3117	00157734	ETS Lindgren	2017-08-22	2019-08-22
0135	Semi Anechoic chamber	FACT 3	5720	ETS Lindgren	2018-04-18	2020-04-18
0530	Measurement Software	EMC32	100623	Rohde & Schwarz	N/A	N/A
0616	Power Sensor 50MHz-18GHz	NRP-Z81	104385	Rohde & Schwarz	2018-04-16	2020-04-16
0013	Power Sensor 50MHz-18GHz	NRP-Z81	101152	Rohde & Schwarz	2018-04-16	2020-04-16

N/A: Not Applicable

Radiated Setup-2

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0133	Spectrum analyzer	FSV40	101358	Rohde & Schwarz	2018-05-17	2020-05-17
0141	Double Ridged Horn Antenna 1 GHz – 18 GHz	3117	00157736	ETS Lindgren	2018-05-11	2020-05-11
0334	Double Ridged Horn Antenna 18 GHz – 40 GHz	3116C-PA	00196308	ETS Lindgren	2017-08-22	2019-08-22
0337	Full Anechoic chamber	RFD_FA_100	5996	ETS Lindgren	2018-04-17	2020-04-17
0329	Measurement Software	EMC32	100401	Rohde & Schwarz	N/A	N/A
0617	Power Sensor 50MHz-18GHz	NRP-Z81	104386	Rohde & Schwarz	2018-04-16	2020-04-16
0618	Power Sensor 50MHz-18GHz	NRP-Z81	104382	Rohde & Schwarz	2018-04-16	2020-04-16

N/A: Not Applicable

A.3 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the below table:

Measurement type	Uncertainty [±dB]
Conducted Power	±1.0
Conducted Spurious Emission	±2.9
Radiated tests <1GHz	±3.8
Radiated tests 1GHz - 40 GHz	±4.7

Annex B. Test Results U-NII-1 & U-NII-2A

B.1 Test Conditions

For 802.11a mode the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, but not simultaneously.

For 802.11n20 & 802.11ax20 (20 MHz channel bandwidth), 802.11n40 & 802.11ax40 (40MHz channel bandwidth), 802.11ac80 & 802.11ax80 (80MHz channel bandwidth) and 802.11ac160 & 802.11ax160 (160MHz channel bandwidth) modes the EUT can transmit at both CHAIN A and CHAIN B RF outputs individually, and also simultaneously.

The conducted RF output power at each chain was adjusted according to the client's supplied target values (see following table) using the Intel DRTU tool and measuring the power by using a spectrum analyser with the channel integration method according to section II) E) 2) e) (Method SA-2 Alternative) of Guidance 789033 D02.
Measured values for adjustment were within +/- 0.25 dB from the declared target values.

UNII-1					Conducted Power, Target Value (dBm)		
Mode	BW (MHz)	Data Rate	CH #	Freq. (MHz)	SISO Chain A	SISO Chain B	MIMO at both ports A and B
802.11a	20	6Mbps	36	5180	19.0	19.0	-
			40	5200	21.0	21.0	-
			48	5240	21.0	21.0	-
802.11n	20	HT0 HT8*	36	5180	19.0	19.0	21.0
			40	5200	21.0	21.0	22.5
			48	5240	21.0	21.0	22.5
802.11n	40	HT0 HT8*	38	5190	18.5	18.5	20.5
			46	5230	20.5	20.5	22.0
802.11ac	80	VHT0	42	5210	19.0	19.0	20.0
802.11ac	160	VHT0	50	5250	14.5	14.5	16.5
802.11ax	20	HE0	36	5180	19.0	19.0	21.0
			40	5200	21.0	21.0	22.5
			48	5240	21.0	21.0	23.0
802.11ax	40	HE0	38	5190	18.5	18.5	20.5
			46	5230	20.5	20.5	22.0
802.11ax	80	HE0	42	5210	19.0	19.0	20.0
802.11ax	160	HE0	50	5250	14.5	15.0	16.5

* Note: HT8 for MIMO modes only

UNII-2A					Conducted Power, Target Value (dBm)		
Mode	BW (MHz)	Data Rate	CH #	Freq. (MHz)	SISO Chain A	SISO Chain B	MIMO at both ports A and B
802.11a	20	6Mbps	52	5260	21.0	21.0	-
			56	5280	21.0	21.0	-
			64	5320	18.5	18.5	-
802.11n	20	HT0 HT8*	52	5260	21.0	21.0	22.5
			56	5280	21.0	21.0	22.5
			64	5320	18.0	18.0	20.0
802.11n	40	HT0 HT8*	54	5270	20.5	20.5	22.0
			62	5310	17.5	17.0	17.5
802.11ac	80	VHT0	58	5290	18.5	18.5	19.0
802.11ax	20	HE0	52	5260	21.0	21.0	22.5
			56	5280	21.0	21.0	22.5
			64	5320	18.0	17.5	20.0
802.11ax	40	HE0	54	5270	20.5	20.5	22.0
			62	5310	17.5	17.0	18.0
802.11ax	80	HE0	58	5290	18.5	18.0	19.0

* Note: HT8 for MIMO modes only

The following data rates were selected based on preliminary testing that identified those rates as the worst cases for output power and spurious levels at the band edges:

Transmission	Mode	Bandwidth (MHz)	Worst Case Data Rate
SISO	802.11a	20	6Mbps
	802.11n	20	HT0
		40	HT0
	802.11ac	80	VHT0
		160	VHT0
	802.11ax	20	HE0
		40	HE0
		80	HE0
		160	HE0
MIMO	802.11n	20/40	HT8
	802.11ac	80/160	VHT0
	802.11ax	20/40/80/160	HE0

Alternative channels to the lowest and highest channels per band have been also tested for Band Edge compliance.

B.2 Test Results Tables U-NII-1

B.2.1 26dB & 99% Bandwidth

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure the 26dB & 99% Bandwidth. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

Results tables

Mode	Rate	Antenna	Channel	Freq [MHz]	26dB BW [MHz]	99% BW [MHz]
802.11a	6Mbps	SISO A	36	5180	24.47	16.88
			40	5200	**26.43**	**17.24**
			48	5240	25.98	17.16
		SISO B	36	5180	24.82	16.88
			40	5200	26.28	17.24
			48	5240	21.18	17.20
802.11n20	HT0	SISO A	36	5180	24.87	17.96
			40	5200	26.93	18.16
			48	5240	27.33	18.12
		SISO B	36	5180	25.33	17.96
			40	5200	26.97	18.16
			48	5240	**28.08**	**18.20**
	HT8	MIMO A	36	5180	24.98	18.00
			40	5200	24.98	18.00
			48	5240	25.78	18.00
		MIMO B	36	5180	24.77	17.96
			40	5200	24.77	17.96
			48	5240	25.23	18.00
802.11n40	HT0	SISO A	38	5190	45.14	36.64
			46	5230	45.95	36.80
		SISO B	38	5190	44.86	36.56
			46	5230	16.94	**36.88**
	HT8	MIMO A	38	5190	45.32	36.56
			46	5230	**46.85**	36.72
		MIMO B	38	5190	43.51	36.40
			46	5230	43.69	36.40
802.11ac80	VHT0	SISO A	42	5210	**86.73**	**75.12**
		SISO B			86.54	75.12
		MIMO A			86.35	75.12
		MIMO B			86.54	75.00
802.11ac160	VHT0	SISO A	50	5250	**164.84**	**153.20**
		SISO B			164.84	153.00
		MIMO A			164.51	153.20
		MIMO B			164.51	153.00

Max Value

Mode	Rate	Antenna	Channel	Freq [MHz]	RU config.	26dB BW [MHz]	99% BW [MHz]
802.11ax20	HE0	SISO A	36	5180	Full	24.37	19.08
					26/0	20.67	18.64
					52/37	21.32	18.32
					106/53	21.97	18.24
			40	5200	Full	25.98	19.16
			48	5240	Full	25.98	19.16
		SISO B	36	5180	Full	24.07	19.12
					26/0	20.67	18.56
					52/37	21.32	18.40
					106/53	22.07	18.28
			40	5200	Full	**26.33**	**19.20**
			48	5240	Full	25.93	19.16
		MIMO A	36	5180	Full	24.72	19.12
					26/0	20.37	18.60
					52/37	21.07	18.20
					106/53	22.02	18.28
			40	5200	Full	25.48	19.12
			48	5240	Full	25.83	19.08
		MIMO B	36	5180	Full	24.42	19.12
					26/0	21.07	18.60
					52/37	21.87	18.40
					106/53	22.32	18.32
			40	5200	Full	24.72	19.12
			48	5240	Full	23.97	19.12
802.11ax40	HE0	SISO A	38	5190	Full	43.24	37.84
					242/61	25.05	19.12
			46	5230	Full	44.68	37.92
		SISO B	38	5190	Full	44.50	37.84
					242/61	24.68	19.12
			46	5230	Full	**46.04**	**38.00**
		MIMO A	38	5190	Full	44.50	37.72
					242/61	25.14	19.12
			46	5230	Full	45.05	37.92
		MIMO B	38	5190	Full	44.14	37.84
					242/61	25.96	19.12
			46	5230	Full	44.68	37.92
802.11ax80	HE0	SISO A	42	5210	Full	84.06	**76.80**
					484/65	44.31	37.92
		SISO B			Full	**85.40**	76.68
					484/65	44.70	37.92
		MIMO A			Full	83.87	76.68
					484/65	44.31	37.92
		MIMO B			Full	84.06	76.68
					484/65	44.31	37.92
802.11ax160	HE0	SISO A	50	5250	Full	163.84	154.60
					996/67	84.90	76.80
					996/S67	85.56	76.80
		SISO B			Full	**164.17**	154.60
					996/67	84.57	76.80
					996/S67	85.23	76.80
		MIMO A			Full	163.84	**154.80**
					996/67	86.22	76.80
					996/S67	85.23	77.00
		MIMO B			Full	162.52	154.60
					996/67	85.89	76.80
					996/S67	85.23	77.00

Max Value

See Section B.4.1 for the screenshot results.

B.2.2 Power Limits. Maximum Output power & Maximum power spectral density

Test limits

FCC part	Limits
15.407 (a) (1) (iv)	For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test procedure

The Maximum Conducted Output Power was measured using the channel integration method according to section E) 2) e) (Method SA-2 Alternative) of KDB 789033 D02.
The maximum power spectral density (PSD) was measured using the method according to section F) (Method SA-2 Alternative) of KDB 789033 D02.

In the measure-and-sum approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.The declared maximum antenna gain is +5dBi.

The conducted setup shown in section *Test & System Description* was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyser through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

Results tables

Duty cycle

Mode	Rate	Antenna	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
802.11a	6Mbps	SISO A	2.07	2.12	97.55%
		SISO B	2.07	2.12	97.55%
802.11n20	HT0	SISO A	3.96	4.01	98.67%
		SISO B	3.96	4.01	98.67%
	HT8	MIMO A	3.96	4.02	98.67%
		MIMO B	3.96	4.02	98.67%
802.11ax20	HE0	SISO A	3.94	3.99	98.62%
		SISO B	3.94	3.99	98.62%
		MIMO A	3.95	4.00	98.66%
		MIMO B	3.95	4.00	98.66%
802.11n40	HT0	SISO A	3.96	4.01	98.73%
		SISO B	3.96	4.01	98.73%
	HT8	MIMO A	3.97	4.02	98.73%
		MIMO B	3.97	4.02	98.73%
802.11ax40	HE0	SISO A	3.95	4.00	98.54%
		SISO B	3.95	4.00	98.54%
		MIMO A	3.95	4.00	98.66%
		MIMO B	3.95	4.00	98.66%
802.11ac80	VHT0	SISO A	3.95	4.00	98.73%
		SISO B	3.95	4.00	98.73%
		MIMO A	3.95	4.00	98.73%
		MIMO B	3.95	4.00	98.73%
802.11ax80	HE0	SISO A	3.95	4.00	98.73%
		SISO B	3.95	4.00	98.73%
		MIMO A	3.96	4.02	98.61%
		MIMO B	3.96	4.02	98.61%
802.11ac160	VTH0	SISO A	2.77	2.83	98.15%
		SISO B	2.77	2.83	98.15%
		MIMO A	3.94	4.00	98.66%
		MIMO B	3.94	4.00	98.66%
802.11ax160	HE0	SISO A	3.96	4.02	98.67%
		SISO B	3.96	4.02	98.67%
		MIMO A	2.28	2.33	97.81%
		MIMO B	2.28	2.33	97.81%

Maximum output power

Mode	Rate	Channel	Freq [MHz]	Antenna	Average Conducted Ouput Power [dBm]	Avg Max* Conducted Ouput Power [dBm]	Avg Max*. EIRP [dBm]	Avg Max* Conducted Power [mW]
802.11a	6Mbps	36	5180	SISO A	18.99	19.10	24.10	**81.24**
				SISO B	19.00	19.11	24.11	81.42
		40	5200	SISO A	20.98	21.09	26.09	128.46
				SISO B	20.99	21.10	26.10	128.75
		48	5240	SISO A	21.02	21.13	26.13	129.64
				SISO B	21.04	21.15	26.15	**130.24**
802.11n20	HT0	36	5180	SISO A	18.99	18.99	23.99	79.25
				SISO B	18.86	18.86	23.86	**76.91**
		40	5200	SISO A	21.00	21.00	26.00	125.89
				SISO B	20.98	20.98	25.98	125.31
		48	5240	SISO A	21.01	21.01	26.01	126.18
				SISO B	21.11	21.11	26.11	129.12
	HT8	36	5180	MIMO A	18.16	18.16	23.16	65.46
				MIMO B	18.18	18.18	23.18	65.77
				Combined A+B	21.18	21.18	26.18	131.23
		40	5200	MIMO A	19.56	19.56	24.56	90.36
				MIMO B	19.52	19.52	24.52	89.54
				Combined A+B	22.55	22.55	27.55	179.90
		48	5240	MIMO A	19.67	19.67	24.67	92.68
				MIMO B	19.71	19.71	24.71	93.54
				Combined A+B	22.70	22.70	27.70	**186.22**
802.11n40	HT0	38	5190	SISO A	18.59	18.59	23.59	72.28
				SISO B	18.47	18.47	23.47	**70.31**
		46	5230	SISO A	20.60	20.60	25.60	114.82
				SISO B	20.67	20.67	25.67	116.68
	HT8	38	5190	MIMO A	17.31	17.31	22.31	53.83
				MIMO B	17.32	17.32	22.32	53.95
				Combined A+B	20.33	20.33	25.33	107.78
		46	5230	MIMO A	19.23	19.23	24.23	83.75
				MIMO B	19.13	19.13	24.13	81.85
				Combined A+B	22.19	22.19	27.19	**165.60**
802.11ac80	VHT0	42	5210	SISO A	18.86	18.86	23.86	**76.91**
				SISO B	18.98	18.98	23.98	79.07
				MIMO A	17.16	17.16	22.16	52.00
				MIMO B	17.24	17.24	22.24	52.97
				Combined A+B	20.21	20.21	25.21	**104.97**
802.11ac160	VHT0	50	5250	SISO A	14.70	14.70	19.70	**29.51**
				SISO B	14.74	14.74	19.74	29.79
				MIMO A	13.35	13.35	18.35	21.63
				MIMO B	13.23	13.23	18.23	21.04
				Combined A+B	16.30	16.30	21.30	**42.66**

*Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

Mode	Rate	Channel	Freq [MHz]	Antenna	RU config.	Average Conducted Ouput Power [dBm]	Avg Max* Conducted Ouput Power [dBm]	Avg Max*. EIRP [dBm]	Avg Max* Conducted Power [mW]
802.11ax20	HE0	36	5180	SISO A	Full	19.04	19.04	24.04	80.17
					26/0	13.75	13.75	18.75	23.71
					52/37	16.70	16.70	21.70	46.77
					106/53	19.74	19.74	24.74	94.19
				SISO B	Full	18.81	18.81	23.81	76.03
					26/0	13.71	13.71	18.71	23.50
					52/37	16.59	16.59	21.59	45.60
					106/53	19.73	19.73	24.73	93.97
				MIMO A	Full	18.25	18.25	23.25	66.83
					26/0	10.67	10.67	15.67	11.67
					52/37	13.42	13.42	18.42	21.98
					106/53	16.63	16.63	21.63	46.03
				MIMO B	Full	18.22	18.22	23.22	66.37
					26/0	10.60	10.60	15.60	11.48
					52/37	13.45	13.45	18.45	22.13
					106/53	16.72	16.72	21.72	46.99
				Combined A+B	Full	21.25	21.25	26.25	133.21
					26/0	13.65	13.65	18.65	**23.15**
					52/37	16.45	16.45	21.45	44.11
					106/53	19.69	19.69	24.69	93.02
		40	5200	SISO A	Full	20.97	20.97	25.97	125.03
				SISO B	Full	20.93	20.93	25.93	123.88
				MIMO A	Full	19.76	19.76	24.76	94.62
				MIMO B	Full	19.59	19.59	24.59	90.99
				Combined A+B	Full	22.69	22.69	27.69	185.62
		48	5240	SISO A	Full	20.97	20.97	25.97	125.03
				SISO B	Full	21.06	21.06	26.06	127.64
				MIMO A	Full	19.78	19.78	24.78	95.06
				MIMO B	Full	19.73	19.73	24.73	93.97
				Combined A+B	Full	22.77	22.77	27.77	**189.03**
802.11ax40	HE0	38	5190	SISO A	Full	18.58	18.58	23.58	**72.11**
					242/61	19.24	19.24	24.24	83.95
				SISO B	Full	18.66	18.66	23.66	73.45
					242/61	19.15	19.15	24.15	82.22
				MIMO A	Full	17.28	17.28	22.28	53.46
					242/61	18.06	18.06	23.06	63.97
				MIMO B	Full	17.33	17.33	22.33	54.08
					242/61	18.05	18.05	23.05	63.83
				Combined A+B	Full	20.32	20.32	25.32	107.53
					242/61	21.07	21.07	26.07	127.80
		46	5230	SISO A	Full	20.60	20.60	25.60	114.82
				SISO B	Full	20.60	20.60	25.60	114.82
				MIMO A	Full	19.17	19.17	24.17	82.60
				MIMO B	Full	19.09	19.09	24.09	81.10
				Combined A+B	Full	22.14	22.14	27.14	**163.70**
802.11ax80	HE0	42	5210	SISO A	Full	18.89	18.89	23.89	77.45
					484/65	18.30	18.30	23.30	67.61
				SISO B	Full	18.87	18.87	23.87	77.09
					484/65	18.20	18.20	23.20	**66.07**
				MIMO A	Full	17.20	17.20	22.20	52.48
					484/65	16.89	16.89	21.89	48.87
				MIMO B	Full	17.14	17.14	22.14	51.76
					484/65	16.54	16.54	21.54	45.08
				Combined A+B	Full	20.18	20.18	25.18	**104.24**
					484/65	19.73	19.73	24.73	93.95

*Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

Mode	Rate	Channel	Freq [MHz]	Antenna	RU config.	Average Conducted Ouput Power [dBm]	Avg Max* Conducted Ouput Power [dBm]	Avg Max*. EIRP [dBm]	Avg Max* Conducted Power [mW]
802.11ax160	HE0	50	5250	SISO A	Full	14.68	14.68	19.68	**29.38**
					996/67	17.83	17.83	22.83	60.67
					996/S67	16.20	16.20	21.20	41.69
				SISO B	Full	14.84	14.84	19.84	30.48
					996/67	17.76	17.76	22.76	59.70
					996/S67	16.27	16.27	21.27	42.36
				MIMO A	Full	13.23	13.33	18.33	21.51
					996/67	16.83	16.93	21.93	49.27
					996/S67	15.70	15.80	20.80	37.98
				MIMO B	Full	13.24	13.34	18.34	21.56
					996/67	16.64	16.74	21.74	47.16
					996/S67	15.33	15.43	20.43	34.88
				Combined A+B	Full	16.25	16.34	21.34	43.07
					996/67	19.75	19.84	24.84	**96.43**
					996/S67	18.53	18.63	23.63	72.87

*Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

Maximum power spectral Density (PSD)

Mode	Rate	Channel	Freq [MHz]	Antenna	Average conducted PSD [dBm/MHz]	Maximum* conducted PSD [dBm/MHz]
802.11a	6Mbps	36	5180	SISO A	7.36	7.47
				SISO B	7.40	7.51
		40	5200	SISO A	9.32	9.43
				SISO B	9.32	9.43
		48	5240	SISO A	9.35	9.46
				SISO B	9.36	9.47
802.11n20	HT0	36	5180	SISO A	7.06	7.06
				SISO B	6.94	6.94
		40	5200	SISO A	9.03	9.03
				SISO B	9.02	9.02
		48	5240	SISO A	9.04	9.04
				SISO B	9.15	9.15
	HT8	36	5180	MIMO A	6.22	6.22
				MIMO B	6.26	6.26
				Combined A+B	9.25	9.25
		40	5200	MIMO A	7.61	7.61
				MIMO B	7.60	7.60
				Combined A+B	10.62	10.62
		48	5240	MIMO A	7.72	7.72
				MIMO B	7.77	7.77
				Combined A+B	10.76	10.76
802.11n40	HT0	38	5190	SISO A	3.51	3.51
				SISO B	3.39	3.39
		46	5230	SISO A	5.51	5.51
				SISO B	5.57	5.57
	HT8	38	5190	MIMO A	2.22	2.22
				MIMO B	2.24	2.24
				Combined A+B	5.24	5.24
		46	5230	MIMO A	4.13	4.13
				MIMO B	4.04	4.04
				Combined A+B	7.10	7.10
802.11ac80	VHT0	42	5210	SISO A	1.40	1.40
				SISO B	1.48	1.48
				MIMO A	-0.34	-0.34
				MIMO B	-0.26	-0.26
				Combined A+B	2.71	2.71
802.11ac160	VHT0	50	5250	SISO A	-5.58	-5.58
				SISO B	-5.59	-5.59
				MIMO A	-6.96	-6.96
				MIMO B	-7.03	-7.03
				Combined A+B	-3.98	-3.98

* Maximum values are the duty cycle compensated values calculated from the measured average values

Mode	Rate	#Ch	Freq [MHz]	Antenna	RU config.	Average cond.PSD [dBm/MHz]	Max*cond.PSD [dBm/MHz]
802.11ax20	HE0	36	5180	SISO A	Full	6.80	6.80
					26/0	10.90	10.90
					52/37	10.95	10.95
					106/53	10.95	10.95
				SISO B	Full	6.59	6.59
					26/0	10.88	10.88
					52/37	10.84	10.84
					106/53	10.93	10.93
				MIMO A	Full	6.00	6.00
					26/0	7.84	7.84
					52/37	7.75	7.75
					106/53	7.81	7.81
				MIMO B	Full	5.99	5.99
					26/0	7.78	7.78
					52/37	7.71	7.71
					106/53	7.91	7.91
				Combined A+B	Full	9.01	9.01
					26/0	10.82	10.82
					52/37	10.74	10.74
					106/53	10.87	10.87
		40	5200	SISO A	Full	8.71	8.71
				SISO B	Full	8.66	8.66
				MIMO A	Full	7.50	7.50
				MIMO B	Full	7.35	7.35
				Combined A+B	Full	10.44	10.44
		48	5240	SISO A	Full	8.71	8.71
				SISO B	Full	8.79	8.79
				MIMO A	Full	7.52	7.52
				MIMO B	Full	7.46	7.46
				Combined A+B	Full	10.50	10.50
802.11ax40	HE0	38	5190	SISO A	Full	3.29	3.29
					242/61	6.94	6.94
				SISO B	Full	3.37	3.37
					242/61	6.84	6.84
				MIMO A	Full	1.97	1.97
					242/61	5.73	5.73
				MIMO B	Full	2.03	2.03
					242/61	5.73	5.73
				Combined A+B	Full	5.01	5.01
					242/61	8.74	8.74
		46	5230	SISO A	Full	5.28	5.28
				SISO B	Full	5.28	5.28
				MIMO A	Full	3.86	3.86
				MIMO B	Full	3.77	3.77
				Combined A+B	Full	6.83	6.83
802.11ax80	HE0	42	5210	SISO A	Full	1.29	1.29
					484/65	3.08	3.08
				SISO B	Full	1.25	1.25
					484/65	2.97	2.97
				MIMO A	Full	-0.37	-0.37
					484/65	1.65	1.65
				MIMO B	Full	-0.48	-0.48
					484/65	1.30	1.30
				Combined A+B	Full	2.59	2.59
					484/65	4.49	4.49
802.11ax160	HE0	50	5250	SISO A	Full	-5.68	-5.68
					996/67	0.41	0.41
					996/S67	-1.45	-1.45
				SISO B	Full	-5.58	-5.58
					996/67	0.27	0.27
					996/S67	-1.36	-1.36
				MIMO A	Full	-7.17	-7.07
					996/67	-0.63	-0.53
					996/S67	-1.91	-1.81
				MIMO B	Full	-7.22	-7.12
					996/67	-0.86	-0.76
					996/S67	-2.30	-2.20
				Combined A+B	Full	-4.18	-4.09
					996/67	2.27	2.36
					996/S67	0.91	1.01

* Maximum values are the duty cycle compensated values calculated from the measured average values

See Section B.4.2 for the screenshot results.

B.2.3 Undesirable emission limits : Band Edge (Conducted)

Test limits

<table>
<tr><th>FCC part</th><th>Limits</th></tr>
<tr><td>15.407 (b) (1)</td><td>For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.</td></tr>
<tr><td>15.209</td><td>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):
<table>
<tr><th>Freq Range (MHz)</th><th>Field Strength (µV/m)</th><th>Field Strength (dBµV/m)</th><th>Meas. Distance (m)</th></tr>
<tr><td>30-88</td><td>100</td><td>40</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>43.5</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>46</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>54</td><td>3</td></tr>
</table>
The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</td></tr>
</table>

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure undesirable emissions on the Band Edge domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

For Band Edge measurements in average mode on the low frequency section, one of the two methods is used according to section G) 6) (KDB 789033 D02):

1) Method AD (Average Detection) as per paragraph II.G.6.c.
2) Method VB (Averaging using reduced video bandwidth) as per paragraph II.G.6.d.

In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph. The declared maximum antenna gain is +5dBi.

For Band Edge measurements falling in restricted bands, the following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dBµV/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.

§15.209(a)			Converted values	
Freq Range (MHz)	Distance (m)	Field strength (microvolts/meter)	Field strength (dB microvolts/meter)	Power (dBm)
Above 960	3	500	54.0	-41.2

See Section B.4.3 for the screenshot results.

B.2.4 Radiated spurious emission

Standard references

<table>
<tr><th>FCC part</th><th>Limits</th></tr>
<tr><td>15.407 (b) (1)</td><td>For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.</td></tr>
<tr><td>15.209</td><td>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):
<table>
<tr><th>Freq Range (MHz)</th><th>Field Strength (µV/m)</th><th>Field Strength (dBµV/m)</th><th>Meas. Distance (m)</th></tr>
<tr><td>0.009-0.490</td><td>2400/f(kHz)</td><td>-</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/f(kHz)</td><td>-</td><td>300</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>-</td><td>30</td></tr>
<tr><td>30-88</td><td>100</td><td>40</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>43.5</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>46</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>54</td><td>3</td></tr>
</table>
The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</td></tr>
</table>

Test procedure

The radiated setup shown in section *Test & System Description* was used to measure the radiated spurious emissions. Depending of the frequency range and bands being tested, different antennas and filters were used.
The final measurement is done by varying the antenna height, the EUT azimuth over 360º and for both Vertical and Horizontal polarizations.

The radiated spurious emission was measured on the worst case configuration selected from the section B.2.2 and using the low, middle and high channel.

For technologies 802.11ax20, 802.11ax40, 802.11ax80 and 802.11ax160 the worst case in terms of spurious emissions found among the low, mid and high channels tested on chain A and B separately is used to perform the test in MIMO mode (Chain A+B).

For technologies 802.11n20, 802.11n40, 802.11ac80 and 802.11ac160 the worst case in terms of spurious emissions found among the low, mid and high channels tested on 802.11ax20, 802.11ax40, 802.11ax80 and 802.11ax160 is used to perform the test in chain A, B ,and A+B modes.

Test Results

802.11a

30 MHz – 40 GHz, 802.11a, 6Mbps, Chain A

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
624.0	34.9	---	68.2	33.3
6351.5	58.3	---	68.2	9.9
6471.1	47.3	---	68.2	20.9
10364.8	56.9	---	68.2	11.3
20719.7	---	40.4	54.0	13.6
20745.0	46.8	---	74.0	27.2

Radiated Spurious – CH40

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
611.9	31.1	---	46.0	14.9
624.0	33.7	---	68.2	34.5
6280.0	58.0	---	68.2	10.2
6467.2	47.0	---	68.2	21.2
10404.4	55.2	---	68.2	13.0
20779.8	47.0	---	74.0	27.0
20800.0	---	40.0	54.0	14.0

Radiated Spurious – CH48

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.6	30.4	---	46.0	15.6
624.0	34.4	---	68.2	33.8
6325.5	59.8	---	68.2	**8.4**
6542.6	47.3	---	68.2	20.9
10484.7	49.0	---	68.2	19.2
20959.9	---	38.6	54.0	15.4
20977.7	47.2	---	74.0	26.8

30 MHz – 40 GHz, 802.11a, 6Mbps, Chain B

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.4	32.9	---	46.0	13.1
624.0	33.5	---	68.2	34.7
6283.5	58.3	---	68.2	9.9
6474.9	47.0	---	68.2	21.2
10352.2	50.5	---	68.2	17.7
20719.7	---	41.3	54.0	12.7
20720.0	47.4	---	74.0	26.6

Radiated Spurious – CH40

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
611.8	30.7	---	46.0	15.3
624.0	34.5	---	68.2	33.7
6298.0	57.9	---	68.2	10.3
6469.6	47.0	---	68.2	21.2
10412.6	49.8	---	68.2	18.4
20799.7	48.1	---	74.0	25.9
20800.0	---	42.1	54.0	11.9

Radiated Spurious – CH48

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
611.7	31.1	---	46.0	15.0
624.0	34.9	---	68.2	33.3
6223.0	57.7	---	68.2	10.5
6530.0	47.5	---	68.2	20.7
10483.7	54.6	---	68.2	13.6
20917.9	47.6	---	74.0	26.4
20959.9	---	39.6	54.0	14.4

802.11n

30 MHz – 40 GHz, 802.11n20, HT0, Chain A

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.6	---	46.0	10.4
408.0	28.1	---	46.0	18.0
624.0	32.6	---	68.2	35.6
672.0	33.6	---	68.2	34.6
6298.5	58.0	---	68.2	10.2
10359.5	56.3	---	68.2	11.9
20718.9	47.4	---	74.0	26.6
20719.7	---	39.0	54.0	15.0

30 MHz – 40 GHz, 802.11n20, HT0, Chain B

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.6	---	46.0	11.4
408.0	28.5	---	46.0	17.5
624.0	32.1	---	68.2	36.1
672.0	33.7	---	68.2	34.5
6306.5	57.8	---	68.2	10.4
10365.3	59.3	---	68.2	8.9
20667.9	47.8	---	74.0	26.2
20719.7	---	39.7	54.0	14.3

30 MHz – 40 GHz, 802.11n20, HT8, Chain A+B

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.5	---	46.0	11.5
408.0	29.0	---	46.0	17.0
624.0	32.2	---	68.2	36.0
672.0	34.4	---	68.2	33.8
6333.5	58.0	---	68.2	10.2
10358.0	61.0	---	68.2	**7.2**
20719.7	---	39.6	54.0	14.4
20721.3	47.3	---	74.0	26.7

30 MHz – 40 GHz, 802.11n40, HT0, Chain A

Radiated Spurious – CH38

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
611.8	31.0	---	46.0	15.0
624.0	34.4	---	68.2	33.8
6237.0	57.8	---	68.2	10.4
6454.1	46.9	---	68.2	21.3
10378.8	55.1	---	68.2	13.1
20759.8	47.0	---	74.0	27.0
20759.8	---	39.9	54.0	14.1

30 MHz – 40 GHz, 802.11n40, HT0, Chain B

Radiated Spurious – CH38

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.6	31.2	---	46.0	14.8
624.0	34.2	---	68.2	34.0
6265.5	57.5	---	68.2	10.7
6487.5	47.6	---	68.2	20.6
20687.3	46.5	---	74.0	27.5
20760.1	---	40.2	54.0	13.8

30 MHz – 40 GHz, 802.11n40, HT8, Chain A+B

Radiated Spurious – CH38

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
610.9	32.9	---	46.0	13.1
624.0	33.5	---	68.2	34.7
6329.5	58.5	---	68.2	**9.7**
6487.0	46.9	---	68.2	21.3
10373.0	55.9	---	68.2	12.3
20759.8	---	40.0	54.0	14.0
20833.2	47.4	---	74.0	26.6

802.11ac

30 MHz – 40 GHz, 802.11ac80, VHT0, Chain A

Radiated Spurious – CH42

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.4	---	46.0	10.6
332.8	28.0	---	46.0	18.1
408.0	28.7	---	46.0	17.3
624.0	35.2	---	68.2	33.0
6326.5	58.2	---	68.2	10.0
6512.1	47.0	---	68.2	21.2
10418.0	50.4	---	68.2	17.8
20795.2	46.5	---	74.0	27.5
20840.1	---	38.1	54.0	15.9

30 MHz – 40 GHz, 802.11ac80, VHT0, Chain B

Radiated Spurious – CH42

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.6	---	46.0	11.4
332.7	25.9	---	46.0	20.1
408.0	29.2	---	46.0	16.8
624.0	34.8	---	68.2	33.4
6323.0	57.0	---	68.2	11.2
6512.1	47.7	---	68.2	20.5
20822.8	48.9	---	74.0	25.1
20839.8	---	41.2	54.0	12.8

30 MHz – 40 GHz, 802.11ac80, VHT0, Chain A+B

Radiated Spurious – CH42

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.8	---	46.0	11.2
332.8	25.7	---	46.0	20.3
408.0	29.4	---	46.0	16.6
624.0	34.0	---	68.2	34.2
1012.5	---	34.3	54.0	19.7
1014.5	47.8	---	74.0	26.2
6321.0	58.8	---	68.2	**9.4**
6512.1	49.7	---	68.2	18.5
10373.5	53.1	---	68.2	15.1
20800.2	47.8	---	74.0	26.2
20840.1	---	39.2	54.0	14.8

30 MHz – 40 GHz, 802.11ac160, VHT0, Chain A

Radiated Spurious – CH50

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.4	---	46.0	11.6
332.8	24.5	---	46.0	21.5
408.0	28.2	---	46.0	17.9
624.0	34.3	---	68.2	33.9
1395.0	42.7	---	74.0	31.3
1398.0	---	31.1	54.0	22.9
6274.5	55.7	---	68.2	12.5
16742.9	52.2	---	68.2	16.0
20967.3	47.0	---	74.0	27.0
20999.7	---	37.3	54.0	16.7

30 MHz – 40 GHz, 802.11ac160, VHT0, Chain B

Radiated Spurious – CH50

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.2	---	46.0	**10.8**
408.0	29.3	---	46.0	16.7
624.0	34.9	---	68.2	33.3
729.9	36.2	---	68.2	32.0
1396.5	42.9	---	74.0	31.1
1398.0	---	31.5	54.0	22.5
6185.0	56.3	---	68.2	11.9
6558.5	48.0	---	68.2	20.2
16726.9	51.9	---	68.2	16.3
20980.3	46.7	---	74.0	27.3
21000.0	---	38.7	54.0	15.3

30 MHz – 40 GHz, 802.11ac160, VHT0, Chain A+B

Radiated Spurious – CH50

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.6	---	46.0	11.4
332.8	25.5	---	46.0	20.5
408.0	29.4	---	46.0	16.6
623.9	33.9	---	68.2	34.3
1392.5	43.3	---	74.0	30.7
1398.0	---	31.1	54.0	22.9
6220.0	56.5	---	68.2	11.7
16725.9	52.8	---	68.2	15.4
20971.5	47.0	---	74.0	27.0
21000.0	---	40.2	54.0	13.8

802.11ax

30 MHz – 40 GHz, 802.11ax20, HE0, Chain A

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.3	31.7	---	46.0	14.3
624.0	33.4	---	68.2	34.8
3876.5	52.3	---	74.0	21.7
3876.5	---	42.3	54.0	11.8
6253.0	57.7	---	68.2	10.5
10344.0	57.7	---	68.2	10.5
22039.1	47.9	---	74.0	26.1
21999.8	---	37.5	54.0	16.5

Radiated Spurious – CH40

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
611.7	31.7	---	46.0	14.3
624.0	34.6	---	68.2	33.6
6301.5	57.5	---	68.2	10.7
6491.4	47.0	---	68.2	21.2
6499.6	47.7	---	68.2	20.5
10383.6	58.4	---	68.2	9.8
20785.1	46.7	---	74.0	27.3
20799.7	---	38.2	54.0	15.8

Radiated Spurious – CH48

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.9	31.7	---	46.0	14.3
624.0	36.6	---	68.2	31.6
1026.0	---	38.6	54.0	15.4
1026.0	48.1	---	74.0	26.0
6315.0	58.3	---	68.2	10.0
6564.3	47.6	---	68.2	20.6
10462.9	52.3	---	68.2	15.9
20874.1	47.1	---	74.0	26.9
20959.9	---	38.8	54.0	15.2

30 MHz – 40 GHz, 802.11ax20, HE0, Chain B

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.2	30.7	---	46.0	15.3
624.0	33.4	---	68.2	34.8
6334.5	58.8	---	68.2	9.4
6474.4	47.1	---	68.2	21.1
10344.0	52.2	---	68.2	16.0
20662.1	47.0	---	74.0	27.0
20720.0	---	39.9	54.0	14.2

Radiated Spurious – CH40

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
613.1	31.1	---	46.0	14.9
624.0	33.8	---	68.2	34.4
6254.5	58.4	---	68.2	9.9
6490.9	47.4	---	68.2	20.8
10383.6	52.1	---	68.2	16.1
20765.2	47.4	---	74.0	26.6
20800.0	---	39.7	54.0	14.3

Radiated Spurious – CH48

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
612.0	31.4	---	46.0	14.6
624.0	33.7	---	68.2	34.5
1026.0	---	36.2	54.0	17.8
1026.0	45.6	---	74.0	28.4
6310.0	57.5	---	68.2	10.7
6567.7	47.2	---	68.2	21.0
10463.9	55.8	---	68.2	12.4
20959.9	---	39.2	54.0	14.8
20960.4	46.7	---	74.0	27.3

30 MHz – 40 GHz, 802.11ax20, HE0, Chain A+B

Radiated Spurious – CH36

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.4	---	46.0	11.6
408.0	28.1	---	46.0	17.9
624.0	34.5	---	68.2	33.7
672.0	33.8	---	68.2	34.4
6317.0	57.9	---	68.2	10.3
10343.5	58.8	---	68.2	**9.4**
20720.0	---	39.9	54.0	14.1
20720.3	47.1	---	74.0	26.9

30 MHz – 40 GHz, 802.11ax40, HE0, Chain A

Radiated Spurious – CH38

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
610.7	33.4	---	46.0	12.6
624.0	34.8	---	68.2	33.4
3875.0	---	43.0	54.0	11.1
3875.0	53.5	---	74.0	20.5
6319.5	58.4	---	68.2	9.8
6469.1	48.0	---	68.2	20.2
6487.0	48.2	---	68.2	20.0
10345.0	61.5	---	68.2	**6.7**
20759.6	---	38.8	54.0	15.2
20898.8	48.1	---	74.0	25.9

Radiated Spurious – CH46

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
188.3	35.1	---	68.2	33.1
203.3	34.7	---	68.2	33.5
408.3	29.0	---	46.0	17.0
624.0	34.4	---	68.2	33.8
1007.0	---	41.3	54.0	12.7
1007.5	50.8	---	74.0	23.2
6536.8	47.4	---	68.2	20.8
10424.7	55.1	---	68.2	13.1
20882.8	47.1	---	74.0	26.9
20919.8	---	38.7	54.0	15.3

30 MHz – 40 GHz, 802.11ax40, HE0, Chain B

Radiated Spurious – CH38

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
610.5	30.3	---	46.0	15.7
624.0	35.4	---	68.2	32.8
6354.5	59.1	---	68.2	9.1
6468.2	47.5	---	68.2	20.7
10344.0	51.2	---	68.2	17.0
20759.8	---	39.7	54.0	14.3
20798.9	46.9	---	74.0	27.1

Radiated Spurious – CH46

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.9	---	46.0	10.1
408.0	28.3	---	46.0	17.7
624.0	34.4	---	68.2	33.8
1006.5	---	42.3	54.0	11.7
1007.0	51.8	---	74.0	22.2
6533.4	47.6	---	68.2	20.6
10424.2	52.2	---	68.2	16.0
20919.8	47.6	---	74.0	26.4
20919.8	---	38.5	54.0	15.5

30 MHz – 40 GHz, 802.11ax40, HE0, Chain A+B

Radiated Spurious – CH38

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
611.0	31.6	---	46.0	14.4
624.0	34.1	---	68.2	34.1
3874.5	53.6	---	74.0	20.4
3875.0	---	41.8	54.0	12.2
6327.0	58.7	---	68.2	9.6
6469.6	48.0	---	68.2	20.2
6487.0	49.1	---	68.2	19.1
10345.0	59.9	---	68.2	8.3
20721.6	47.2	---	74.0	26.8
20759.8	---	39.9	54.0	14.1

30 MHz – 40 GHz, 802.11ax80, HE0, Chain A

Radiated Spurious – CH42

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.4	---	46.0	11.6
408.0	27.7	---	46.0	18.3
624.0	33.8	---	68.2	34.4
3869.5	---	43.8	54.0	10.2
3869.5	53.7	---	74.0	20.3
5021.0	---	44.0	54.0	10.0
5023.5	55.9	---	74.0	18.1
6474.4	50.0	---	68.2	18.2
6512.1	48.2	---	68.2	20.0
10345.0	57.8	---	68.2	10.4
20792.5	48.4	---	74.0	25.6
20839.8	---	39.1	54.0	14.9

30 MHz – 40 GHz, 802.11ax80, HE0, Chain B

Radiated Spurious – CH42

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.4	---	46.0	11.6
332.8	25.9	---	46.0	20.1
408.0	29.3	---	46.0	16.7
624.0	33.6	---	68.2	34.6
5019.5	57.1	---	74.0	16.9
5020.0	---	44.6	54.0	9.4
6324.5	57.0	---	68.2	11.2
6471.5	47.5	---	68.2	20.7
6512.1	49.4	---	68.2	18.8
10343.0	51.5	---	68.2	16.7
20839.5	47.1	---	74.0	26.9
20840.1	---	39.7	54.0	14.3

30 MHz – 40 GHz, 802.11ax80, HE0, Chain A+B

Radiated Spurious – CH42

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.4	---	46.0	11.6
332.8	24.6	---	46.0	21.4
407.7	29.3	---	46.0	16.7
624.0	35.3	---	68.2	32.9
3869.5	---	43.4	54.0	10.6
3870.0	53.5	---	74.0	20.5
5017.0	57.2	---	74.0	16.8
5019.0	---	44.8	54.0	**9.2**
6474.4	47.4	---	68.2	20.8
6543.6	48.1	---	68.2	20.1
10344.0	51.7	---	68.2	16.5
20839.3	47.2	---	74.0	26.8
20840.1	---	39.6	54.0	14.4

30 MHz – 40 GHz, 802.11ax160, HE0, Chain A

Radiated Spurious – CH50

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.2	---	46.0	11.8
332.8	26.5	---	46.0	19.5
408.0	29.2	---	46.0	16.8
624.0	33.5	---	68.2	34.7
1395.5	---	31.2	54.0	22.8
1398.5	43.0	---	74.0	31.0
6228.5	56.4	---	68.2	11.8
6484.1	49.1	---	68.2	19.1
6562.9	48.2	---	68.2	20.0
10343.5	53.3	---	68.2	14.9
21000.0	---	38.8	54.0	15.2
21010.6	47.2	---	74.0	26.8

30 MHz – 40 GHz, 802.11ax160, HE0, Chain B

Radiated Spurious – CH50

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.0	---	46.0	11.1
332.7	24.9	---	46.0	21.1
408.0	29.1	---	46.0	16.9
624.0	34.1	---	68.2	34.1
1394.0	43.0	---	74.0	31.0
1395.0	---	30.8	54.0	23.2
6203.0	56.3	---	68.2	11.9
6484.1	48.0	---	68.2	20.2
6562.4	49.3	---	68.2	18.9
10344.5	49.5	---	68.2	18.7
20999.7	46.7	---	74.0	27.3
20999.7	---	40.5	54.0	13.5

30 MHz – 40 GHz, 802.11ax160, HE0, Chain A+B

Radiated Spurious – CH50

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.3	---	46.0	11.7
332.8	26.6	---	46.0	19.4
408.0	28.9	---	46.0	17.1
623.9	33.3	---	68.2	34.9
1397.0	---	31.0	54.0	23.0
1398.0	42.6	---	74.0	31.4
5485.5	57.6	---	68.2	**10.6**
6310.5	56.7	---	68.2	11.5
6484.1	50.1	---	68.2	18.1
6561.9	49.1	---	68.2	19.1
10344.5	53.6	---	68.2	14.6
21000.0	---	39.4	54.0	14.6
21036.6	47.7	---	74.0	26.3

B.3 Test Results Tables U-NII-2A

B.3.1 26dB & 99% Bandwidth

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure the 26dB & 99% Bandwidth. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

Results tables

Mode	Rate	Antenna	Channel	Freq [MHz]	26dB BW [MHz]	99% BW [MHz]
802.11a	6Mbps	SISO A	52	5260	27.53	17.40
			56	5280	**28.98**	**17.84**
			64	5320	24.42	16.88
		SISO B	52	5260	27.78	17.44
			56	5280	27.67	17.28
			64	5320	24.37	16.41
802.11n20	HT0	SISO A	52	5260	28.93	18.32
			56	5280	27.33	18.28
			64	5320	24.82	17.96
		SISO B	52	5260	**29.33**	**18.48**
			56	5280	28.48	18.24
			64	5320	25.17	17.92
	HT8	MIMO A	52	5260	25.73	18.04
			56	5280	25.47	18.00
			64	5320	25.33	17.96
		MIMO B	52	5260	25.42	18.08
			56	5280	25.58	18.00
			64	5320	25.08	17.96
802.11n40	HT0	SISO A	54	5270	45.68	36.80
			62	5310	44.68	36.56
		SISO B	54	5270	**48.11**	**36.80**
			62	5310	43.96	36.56
	HT8	MIMO A	54	5270	45.05	36.64
			62	5310	44.59	36.64
		MIMO B	54	5270	44.96	36.40
			62	5310	43.24	36.40
802.11ac80	VHT0	SISO A	58	5290	**87.21**	**75.12**
		SISO B			86.85	75.12
		MIMO A			87.03	75.12
		MIMO B			83.51	75.00

Max Value

Mode	Rate	Antenna	Channel	Freq [MHz]	RU config.	26dB BW [MHz]	99% BW [MHz]
802.11ax20	HE0	SISO A	52	5260	Full	26.33	19.16
			56	5280	Full	26.67	19.16
			64	5320	Full	24.37	19.08
					26/8	21.12	18.52
					52/40	21.97	18.36
					106/54	23.22	18.24
		SISO B	52	5260	Full	26.48	19.24
			56	5280	Full	**27.28**	**19.24**
			64	5320	Full	24.72	19.08
					26/8	20.52	18.52
					52/40	22.27	18.32
					106/54	22.82	18.28
		MIMO A	52	5260	Full	25.63	19.12
			56	5280	Full	24.87	19.08
			64	5320	Full	24.92	19.08
					26/8	20.72	18.52
					52/40	22.02	18.36
					106/54	22.77	18.20
		MIMO B	52	5260	Full	25.38	19.16
			56	5280	Full	24.37	19.12
			64	5320	Full	24.42	19.12
					26/8	20.67	18.68
					52/40	21.92	18.44
					106/54	22.97	18.32
802.11ax40	HE0	SISO A	54	5270	Full	**45.95**	**37.92**
			62	5310	Full	43.60	37.84
					242/62	24.32	19.20
		SISO B	54	5270	Full	45.23	37.92
			62	5310	Full	44.14	37.84
					242/62	44.50	37.84
		MIMO A	54	5270	Full	44.50	37.84
			62	5310	Full	44.59	37.84
					242/62	24.96	19.12
		MIMO B	54	5270	Full	44.05	37.92
			62	5310	Full	44.05	37.84
					242/62	24.86	19.12
802.11ax80	HE0	SISO A	58	5290	Full	82.88	76.68
					484/66	43.78	37.80
		SISO B			Full	**83.51**	**76.68**
					484/66	44.59	37.92
		MIMO A			Full	82.70	76.68
					484/66	44.14	37.92
		MIMO B			Full	83.33	76.68
					484/66	44.32	37.92

Max Value

See Section B.5.1 for the screenshot results.

B.3.2 Power Limits. Maximum Output power & Maximum power spectral density

Test limits

FCC part	Limits
15.407 (a) (2)	For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band.

Test procedure

The Maximum Conducted Output Power was measured using the channel integration method according to section E) 2) e) (Method SA-2 Alternative) of KDB 789033 D02.
The maximum power spectral density (PSD) was measured using the method according to section F) (Method SA-2 Alternative) of KDB 789033 D02.

In the measure-and-sum approach for MIMO mode, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically in linear power units to determine the total emission level from the device.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.The declared maximum antenna gain is +5dBi.

The conducted setup shown in section *Test & System Description* was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyser through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

Results tables

Duty cycle

Mode	Rate	Antenna	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
802.11a	6Mbps	SISO A	2.07	2.12	97.55%
		SISO B	2.07	2.12	97.55%
802.11n20	HT0	SISO A	3.96	4.01	98.67%
		SISO B	3.96	4.01	98.67%
	HT8	MIMO A	3.96	4.02	98.67%
		MIMO B	3.96	4.02	98.67%
802.11ax20	HE0	SISO A	3.94	3.99	98.62%
		SISO B	3.94	3.99	98.62%
		MIMO A	3.95	4.00	98.66%
		MIMO B	3.95	4.00	98.66%
802.11n40	HT0	SISO A	3.96	4.01	98.73%
		SISO B	3.96	4.01	98.73%
	HT8	MIMO A	3.97	4.02	98.73%
		MIMO B	3.97	4.02	98.73%
802.11ax40	HE0	SISO A	3.95	4.00	98.54%
		SISO B	3.95	4.00	98.54%
		MIMO A	3.95	4.00	98.66%
		MIMO B	3.95	4.00	98.66%
802.11ac80	VHT0	SISO A	3.95	4.00	98.73%
		SISO B	3.95	4.00	98.73%
		MIMO A	3.95	4.00	98.73%
		MIMO B	3.95	4.00	98.73%
802.11ax80	HE0	SISO A	3.95	4.00	98.73%
		SISO B	3.95	4.00	98.73%
		MIMO A	3.96	4.02	98.61%
		MIMO B	3.96	4.02	98.61%
802.11ac160	VTH0	SISO A	2.77	2.83	98.15%
		SISO B	2.77	2.83	98.15%
		MIMO A	3.94	4.00	98.66%
		MIMO B	3.94	4.00	98.66%
802.11ax160	HE0	SISO A	3.96	4.02	98.67%
		SISO B	3.96	4.02	98.67%
		MIMO A	2.28	2.33	97.81%
		MIMO B	2.28	2.33	97.81%

Maximum output power

Mode	Rate	Channel	Freq [MHz]	Antenna	Average Conducted Ouput Power [dBm]	Avg Max* Conducted Ouput Power [dBm]	Avg Max*. EIRP [dBm]	Avg Max* Conducted Power [mW]
802.11a	6Mbps	52	5260	SISO A	21.05	21.16	26.16	**130.54**
				SISO B	21.03	21.14	26.14	129.94
		56	5280	SISO A	21.05	21.16	26.16	130.54
				SISO B	20.98	21.09	26.09	128.46
		64	5320	SISO A	18.41	18.52	23.52	71.08
				SISO B	18.39	18.50	23.50	**70.75**
802.11n20	HT0	52	5260	SISO A	21.05	21.05	26.05	127.35
				SISO B	21.03	21.03	26.03	126.77
		56	5280	SISO A	21.07	21.07	26.07	127.94
				SISO B	21.09	21.09	26.09	128.53
		64	5320	SISO A	18.21	18.21	23.21	66.22
				SISO B	17.82	17.82	22.82	**60.53**
	HT8	52	5260	MIMO A	19.65	19.65	24.65	92.26
				MIMO B	19.51	19.51	24.51	89.33
				Combined A+B	22.59	22.59	27.59	181.59
		56	5280	MIMO A	19.63	19.63	24.63	91.83
				MIMO B	19.63	19.63	24.63	91.83
				Combined A+B	22.64	22.64	27.64	**183.67**
		64	5320	MIMO A	16.74	16.74	21.74	47.21
				MIMO B	16.82	16.82	21.82	48.08
				Combined A+B	19.79	19.79	24.79	95.29
802.11n40	HT0	54	5270	SISO A	20.32	20.32	25.32	107.65
				SISO B	20.47	20.47	25.47	111.43
		62	5310	SISO A	17.25	17.25	22.25	53.09
				SISO B	17.22	17.22	22.22	**52.72**
	HT8	54	5270	MIMO A	18.83	18.83	23.83	76.38
				MIMO B	18.81	18.81	23.81	76.03
				Combined A+B	21.83	21.83	26.83	**152.42**
		62	5310	MIMO A	14.36	14.36	19.36	27.29
				MIMO B	14.72	14.72	19.72	29.65
				Combined A+B	17.55	17.55	22.55	56.94
802.11ac80	VHT0	58	5290	SISO A	18.34	18.34	23.34	**68.23**
				SISO B	18.36	18.36	23.36	68.55
				MIMO A	15.91	15.91	20.91	38.99
				MIMO B	15.80	15.80	20.80	38.02
				Combined A+B	18.87	18.87	23.87	**77.01**

*Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max Value

Min Value

Mode	Rate	Channel	Freq [MHz]	Antenna	RU config.	Average Conducted Ouput Power [dBm]	Avg Max* Conducted Ouput Power [dBm]	Avg Max*. EIRP [dBm]	Avg Max* Conducted Power [mW]
802.11ax20	HE0	52	5260	SISO A	Full	21.00	21.00	26.00	125.89
				SISO B	Full	20.94	20.94	25.94	124.17
				MIMO A	Full	19.54	19.54	24.54	89.95
				MIMO B	Full	19.63	19.63	24.63	91.83
				Combined A+B	Full	22.60	22.60	27.60	**181.78**
		56	5280	SISO A	Full	21.00	21.00	26.00	125.89
				SISO B	Full	21.05	21.05	26.05	127.35
				MIMO A	Full	19.57	19.57	24.57	90.57
				MIMO B	Full	19.54	19.54	24.54	89.95
				Combined A+B	Full	22.57	22.57	27.57	180.52
		64	5320	SISO A	Full	17.75	17.75	22.75	59.57
					26/8	13.71	13.71	18.71	23.50
					52/40	16.67	16.67	21.67	46.45
					106/54	19.78	19.78	24.78	95.06
				SISO B	Full	17.42	17.42	22.42	55.21
					26/8	13.67	13.67	18.67	23.28
					52/40	16.70	16.70	21.70	46.77
					106/54	19.66	19.66	24.66	92.47
				MIMO A	Full	16.96	16.96	21.96	49.66
					26/8	10.60	10.60	15.60	11.48
					52/40	13.63	13.63	18.63	23.07
					106/54	16.56	16.56	21.56	45.29
				MIMO B	Full	17.02	17.02	22.02	50.35
					26/8	10.67	10.67	15.67	11.67
					52/40	13.55	13.55	18.55	22.65
					106/54	16.62	16.62	21.62	45.92
				Combined A+B	Full	20.00	20.00	25.00	100.01
					26/8	13.65	13.65	18.65	**23.15**
					52/40	16.60	16.60	21.60	45.71
					106/54	19.60	19.60	24.60	91.21
802.11ax40	HE0	54	5270	SISO A	Full	20.25	20.25	25.25	105.93
				SISO B	Full	20.44	20.44	25.44	110.66
				MIMO A	Full	18.76	18.76	23.76	75.16
				MIMO B	Full	18.76	18.76	23.76	75.16
				Combined A+B	Full	21.77	21.77	26.77	**150.32**
		62	5310	SISO A	Full	17.25	17.25	22.25	53.09
					242/62	18.42	18.42	23.42	69.50
				SISO B	Full	17.19	17.19	22.19	**52.36**
					242/62	17.93	17.93	22.93	62.09
				MIMO A	Full	15.04	15.04	20.04	31.92
					242/62	17.14	17.14	22.14	51.76
				MIMO B	Full	15.09	15.09	20.09	32.28
					242/62	16.97	16.97	21.97	49.77
				Combined A+B	Full	18.08	18.08	23.08	64.20
					242/62	20.07	20.07	25.07	101.53
802.11ax80	HE0	58	5290	SISO A	Full	18.33	18.33	23.33	68.08
					484/66	17.83	17.83	22.83	60.67
				SISO B	Full	18.24	18.24	23.24	66.68
					484/66	17.57	17.57	22.57	**57.15**
				MIMO A	Full	16.12	16.12	21.12	40.93
					484/66	16.49	16.49	21.49	44.57
				MIMO B	Full	16.35	16.35	21.35	43.15
					484/66	16.43	16.43	21.43	43.95
				Combined A+B	Full	19.25	19.25	24.25	84.08
					484/66	19.47	19.47	24.47	**88.52**

*Maximum values are the duty cycle compensated values calculated from the average (measured) values

Max/Min Value

Maximum Power Spectral Density (PSD)

Mode	Rate	Channel	Freq [MHz]	Antenna	Average conducted PSD [dBm/MHz]	Maximum* conducted PSD [dBm/MHz]
802.11a	6Mbps	52	5260	SISO A	9.36	9.47
				SISO B	9.32	9.43
		56	5280	SISO A	9.33	9.44
				SISO B	9.29	9.40
		64	5320	SISO A	6.76	6.87
				SISO B	6.74	6.85
802.11n20	HT0	52	5260	SISO A	9.04	9.04
				SISO B	9.02	9.02
		56	5280	SISO A	9.06	9.06
				SISO B	9.09	9.09
		64	5320	SISO A	6.26	6.26
				SISO B	5.86	5.86
	HT8	52	5260	MIMO A	7.67	7.67
				MIMO B	7.55	7.55
				Combined A+B	10.62	10.62
		56	5280	MIMO A	7.66	7.66
				MIMO B	7.67	7.67
				Combined A+B	10.68	10.68
		64	5320	MIMO A	4.79	4.79
				MIMO B	4.87	4.87
				Combined A+B	7.84	7.84
802.11n40	HT0	54	5270	SISO A	5.21	5.21
				SISO B	5.36	5.36
		62	5310	SISO A	2.16	2.16
				SISO B	2.10	2.10
	HT8	54	5270	MIMO A	3.72	3.72
				MIMO B	3.71	3.71
				Combined A+B	6.73	6.73
		62	5310	MIMO A	-0.73	-0.73
				MIMO B	-0.34	-0.34
				Combined A+B	2.48	2.48
802.11ac80	VHT0	58	5290	SISO A	0.80	0.80
				SISO B	0.84	0.84
				MIMO A	-1.61	-1.61
				MIMO B	-1.66	-1.66
				Combined A+B	1.38	1.38

* Maximum values are the duty cycle compensated values calculated from the measured average values

Mode	Rate	#Ch	Freq [MHz]	Antenna	RU config.	Average conducted PSD [dBm/MHz]	Maximum* conducted PSD [dBm/MHz]
802.11ax20	HE0	52	5260	SISO A	Full	8.71	8.71
				SISO B	Full	8.66	8.66
				MIMO A	Full	7.26	7.26
				MIMO B	Full	7.35	7.35
				Combined A+B	Full	10.32	10.32
		56	5280	SISO A	Full	8.71	8.71
				SISO B	Full	8.77	8.77
				MIMO A	Full	7.30	7.30
				MIMO B	Full	7.27	7.27
				Combined A+B	Full	10.30	10.30
		64	5320	SISO A	Full	5.48	5.48
					26/8	10.86	10.86
					52/40	10.93	10.93
					106/54	10.79	10.79
				SISO B	Full	5.16	5.16
					26/8	10.86	10.86
					52/40	10.96	10.96
					106/54	10.83	10.83
				MIMO A	Full	4.70	4.70
					26/8	7.73	7.73
					52/40	7.84	7.84
					106/54	7.75	7.75
				MIMO B	Full	4.75	4.75
					26/8	7.85	7.85
					52/40	7.80	7.80
					106/54	7.79	7.79
				Combined A+B	Full	7.74	7.74
					26/8	10.80	10.80
					52/40	10.83	10.83
					106/54	10.78	10.78
802.11ax40	HE0	54	5270	SISO A	Full	4.93	4.93
				SISO B	Full	5.12	5.12
				MIMO A	Full	3.44	3.44
				MIMO B	Full	3.44	3.44
				Combined A+B	Full	6.45	6.45
		62	5310	SISO A	Full	1.92	1.92
					242/62	6.04	6.04
				SISO B	Full	1.85	1.85
					242/62	5.56	5.56
				MIMO A	Full	-0.23	-0.23
					242/62	4.72	4.72
				MIMO B	Full	-0.22	-0.22
					242/62	4.56	4.56
				Combined A+B	Full	2.79	2.79
					242/62	7.65	7.65
802.11ax80	HE0	58	5290	SISO A	Full	0.72	0.72
					484/66	2.48	2.48
				SISO B	Full	0.63	0.63
					484/66	2.28	2.28
				MIMO A	Full	-1.50	-1.50
					484/66	1.15	1.15
				MIMO B	Full	-1.28	-1.28
					484/66	1.12	1.12
				Combined A+B	Full	1.62	1.62
					484/66	4.15	4.15

* Maximum values are the duty cycle compensated values calculated from the measured average values

See Section B.5.2 for the screenshot results.

B.3.3 Undesirable emissions limits : Band Edge (Conducted)

Test limits

<table>
<tr><th>FCC part</th><th>Limits</th></tr>
<tr><td>15.407 (b) (2)</td><td>For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.</td></tr>
<tr><td>15.209</td><td>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):
<table>
<tr><th>Freq Range (MHz)</th><th>Field Strength (µV/m)</th><th>Field Strength (dBµV/m)</th><th>Meas. Distance (m)</th></tr>
<tr><td>30-88</td><td>100</td><td>40</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>43.5</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>46</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>54</td><td>3</td></tr>
</table>
The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</td></tr>
</table>

Test procedure

The conducted setup shown in section *Test & System Description* was used to measure undesirable emissions on the Band Edge domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

For Band Edge measurements in average mode on the low frequency section, one of the two methods is used according to section G) 6) (KDB 789033 D02):

1) Method AD (Average Detection) as per paragraph II.G.6.c.
2) Method VB (Averaging using reduced video bandwidth) as per paragraph II.G.6.d.

In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph. The declared maximum antenna gain is +5dBi.

The following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dBµV/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.

§15.209(a)			Converted values	
Freq Range (MHz)	Distance (m)	Field strength (microvolts/meter)	Field strength (dB microvolts/meter)	Power (dBm)
960-25000	3	500	53.98	-41.2

See Section B.5.3 for the screenshot results.

B.3.4 Radiated spurious emission

Standard references

<table>
<tr><th>FCC part</th><th>Limits</th></tr>
<tr><td>15.407 (a) (2)</td><td>For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band.</td></tr>
<tr><td>15.209</td><td>Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):
<table>
<tr><th>Freq Range (MHz)</th><th>Field Strength (µV/m)</th><th>Field Strength (dBµV/m)</th><th>Meas. Distance (m)</th></tr>
<tr><td>30-88</td><td>100</td><td>40</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>43.5</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>46</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>54</td><td>3</td></tr>
</table>
The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</td></tr>
</table>

Test procedure

The radiated setups shown in section *Test & System Description* were used to measure the radiated spurious emissions. Depending of the frequency range and bands being tested, different antennas and filters were used.
The final measurement is done by varying the antenna height, the EUT azimuth over 360º and for both Vertical and Horizontal polarizations.

The radiated spurious emission was measured on the worst case configuration selected from the section B.3.2 and using the low, middle and high channel.

For technologies 802.11ax20, 802.11ax40 and 802.11ax80 the worst case in terms of spurious emissions found among the low, mid and high channels tested on chain A and B separately is used to perform the test in MIMO mode (Chain A+B).

For technologies 802.11n20, 802.11n40 and 802.11ac80 the worst case in terms of spurious emissions found among the low, mid and high channels tested on 802.11ax20, 802.11ax40 and 802.11ax80 is used to perform the test in A, B and A+B modes.

Test Results

802.11a

30 MHz – 40 GHz, 802.11a, 6Mbps, Chain A

Radiated Spurious – CH52

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.1	---	46.0	11.9
332.7	24.7	---	46.0	21.3
408.0	27.8	---	46.0	18.2
624.0	34.7	---	68.2	33.6
1054.0	43.8	---	74.0	30.2
1054.0	---	33.4	54.0	20.6
1397.0	43.2	---	74.0	30.8
1398.0	---	31.5	54.0	22.5
6251.0	58.1	---	68.2	10.1
6574.5	48.4	---	68.2	19.8
10504.0	52.0	---	68.2	16.2
20919.8	47.1	---	74.0	26.9
21039.8	---	37.9	54.0	16.1

Radiated Spurious – CH56

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.1	---	46.0	11.9
332.8	26.2	---	46.0	19.8
408.0	29.0	---	46.0	17.0
624.1	33.7	---	68.2	34.5
1075.0	---	35.2	54.0	18.8
1080.5	46.3	---	74.0	27.7
1397.5	41.9	---	74.0	32.1
1397.5	---	31.0	54.0	23.0
6333.0	58.3	---	68.2	9.9
6600.1	47.9	---	68.2	20.3
10563.9	50.4	---	68.2	17.8
21009.0	47.3	---	74.0	26.7
21120.0	---	40.0	54.0	14.0

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	33.9	---	46.0	12.1
332.8	24.3	---	46.0	21.7
408.0	29.3	---	46.0	16.7
624.0	34.7	---	68.2	33.5
1114.5	---	34.0	54.0	20.0
1115.5	44.9	---	74.0	29.1
1396.5	41.5	---	74.0	32.5
1396.5	---	31.1	54.0	22.9
6311.0	58.6	---	68.2	9.6
6657.1	47.3	---	68.2	20.9
10637.4	53.5	---	74.0	20.5
10639.8	---	43.5	54.0	10.5
21279.9	---	38.0	54.0	16.0
21304.9	47.5	---	74.0	26.5

30 MHz – 40 GHz, 802.11a, 6Mbps, Chain B

Radiated Spurious – CH52

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.8	---	46.0	11.2
332.7	25.4	---	46.0	20.6
408.1	29.0	---	46.0	17.0
624.0	34.2	---	68.2	34.0
1053.5	44.7	---	74.0	29.3
1055.0	---	33.7	54.0	20.3
1397.0	42.4	---	74.0	31.6
1397.0	---	31.3	54.0	22.7
6260.0	57.8	---	68.2	10.4
6555.6	47.1	---	68.2	21.1
10518.0	54.6	---	68.2	13.6
21040.1	---	39.0	54.0	15.0
21106.5	47.5	---	74.0	26.5

Radiated Spurious – CH56

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	32.5	---	46.0	13.5
332.8	24.1	---	46.0	21.9
408.0	29.0	---	46.0	17.0
624.0	33.5	---	68.2	34.7
1074.5	---	33.0	54.0	21.0
1074.5	43.7	---	74.0	30.3
1396.5	42.6	---	74.0	31.4
1398.0	---	30.7	54.0	23.3
6250.5	57.9	---	68.2	10.3
6607.4	47.0	---	68.2	21.2
10560.1	55.1	---	68.2	13.1
21120.0	---	39.0	54.0	15.0
21124.5	47.8	---	74.0	26.2

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	33.7	---	46.0	12.4
332.8	24.7	---	46.0	21.3
408.0	28.4	---	46.0	17.6
624.0	35.3	---	68.2	32.9
1111.0	43.9	---	74.0	30.1
1114.0	---	32.7	54.0	21.3
1397.0	---	30.7	54.0	23.3
1398.0	42.4	---	74.0	31.6
6278.5	57.9	---	68.2	10.3
10639.8	---	48.0	54.0	**6.0**
10641.3	56.8	---	74.0	17.2
21279.7	---	39.6	54.0	14.4
21310.0	47.3	---	74.0	26.7

802.11n

30 MHz – 40 GHz, 802.11n20, HT0, Chain A

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.6	---	46.0	11.5
332.8	25.4	---	46.0	20.6
408.0	27.8	---	46.0	18.2
624.0	35.3	---	68.2	33.0
1114.5	44.1	---	74.0	29.9
1115.5	---	32.9	54.0	21.1
6308.5	58.4	---	68.2	9.8
10638.8	56.1	---	74.0	17.9
10639.3	---	46.4	54.0	7.6
21279.9	47.7	---	74.0	26.3
21280.2	---	38.7	54.0	15.3

30 MHz – 40 GHz, 802.11n20, HT0, Chain B

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.6	---	46.0	11.4
408.0	29.3	---	46.0	16.7
624.0	32.2	---	68.2	36.0
672.0	34.2	---	68.2	34.0
1115.5	43.6	---	74.0	30.4
1116.5	---	32.4	54.0	21.6
6267.5	58.2	---	68.2	10.0
10636.4	---	45.1	54.0	8.9
10639.8	55.8	---	74.0	18.2
21279.7	47.7	---	74.0	26.3
21279.9	---	41.0	54.0	13.0

30 MHz – 40 GHz, 802.11n20, HT8, Chain A+B

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.7	---	46.0	11.3
408.1	28.2	---	46.0	17.8
624.0	32.9	---	68.2	35.3
672.0	33.5	---	68.2	34.7
1114.0	46.5	---	74.0	27.5
1114.5	---	35.6	54.0	18.4
6302.5	58.1	---	68.2	10.2
10639.3	---	46.8	54.0	**7.2**
10645.1	56.6	---	74.0	17.4
21249.1	47.4	---	74.0	26.6
21279.7	---	39.6	54.0	14.4

30 MHz – 40 GHz, 802.11n40, HT0, Chain A

Radiated Spurious – CH54

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.0	---	46.0	11.0
408.0	28.3	---	46.0	17.7
624.0	32.7	---	68.2	35.5
672.0	34.2	---	68.2	34.0
1059.5	43.8	---	74.0	30.3
1062.5	---	32.0	54.0	22.0
6315.5	58.2	---	68.2	10.0
10548.9	48.9	---	68.2	19.3
21038.8	47.3	---	74.0	26.7
21079.9	---	38.5	54.0	15.5

30 MHz – 40 GHz, 802.11n40, HT0, Chain B

Radiated Spurious – CH54

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.5	---	46.0	11.5
408.0	28.7	---	46.0	17.3
624.0	32.2	---	68.2	36.0
672.0	34.6	---	68.2	33.6
1067.5	42.4	---	74.0	31.6
1068.0	---	31.1	54.0	22.9
6297.5	58.6	---	68.2	**9.6**
10538.3	54.5	---	68.2	13.7
21079.9	---	39.9	54.0	14.1
21116.8	47.6	---	74.0	26.4

30 MHz – 40 GHz, 802.11n40, HT8, Chain A+B

Radiated Spurious – CH54

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.5	---	46.0	11.5
408.0	27.5	---	46.0	18.5
624.0	32.6	---	68.2	35.7
672.0	33.7	---	68.2	34.5
1065.0	46.3	---	74.0	27.7
1065.5	---	34.0	54.0	20.0
6262.5	58.1	---	68.2	10.1
10540.2	54.1	---	68.2	14.1
21077.3	46.9	---	74.0	27.1
21079.9	---	39.6	54.0	14.4

802.11ac

30 MHz – 40 GHz, 802.11ac80, HT0, Chain A

Radiated Spurious – CH58

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	36.6	---	46.0	**9.4**
408.0	28.4	---	46.0	17.6
624.0	34.1	---	68.2	34.1
672.0	34.1	---	68.2	34.1
6327.5	58.1	---	68.2	10.1
6612.2	47.9	---	68.2	20.3
21159.6	47.0	---	74.0	27.0
21159.9	---	38.3	54.0	15.7

30 MHz – 40 GHz, 802.11ac80, HT0, Chain B

Radiated Spurious – CH58

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.8	---	46.0	11.2
408.0	29.6	---	46.0	16.4
624.0	33.1	---	68.2	35.1
672.0	34.4	---	68.2	33.8
6322.5	57.4	---	68.2	10.8
6608.8	47.3	---	68.2	20.9
10566.8	52.6	---	68.2	15.6
21159.3	46.9	---	74.0	27.1
21159.9	---	40.2	54.0	13.8

30 MHz – 40 GHz, 802.11ac80, HT8, Chain A+B

Radiated Spurious – CH58

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.2	---	46.0	10.8
332.8	25.1	---	46.0	20.9
408.0	28.6	---	46.0	17.4
672.0	35.1	---	68.2	33.1
6325.5	58.5	---	68.2	9.7
6578.4	47.9	---	68.2	20.3
21160.1	---	38.8	54.0	15.2
21162.5	46.9	---	74.0	27.1

802.11ax

30 MHz – 40 GHz, 802.11ax20, HE0, Chain A

Radiated Spurious – CH52

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.0	---	46.0	12.0
332.8	26.0	---	46.0	20.0
408.0	28.4	---	46.0	17.6
624.0	35.3	---	68.2	32.9
1046.5	---	33.8	54.0	20.2
1046.5	43.6	---	74.0	30.4
1394.0	42.3	---	74.0	31.7
1396.5	---	30.7	54.0	23.3
6279.0	56.1	---	68.2	12.1
6579.8	46.8	---	68.2	21.4
10504.0	51.1	---	68.2	17.1
21040.1	47.3	---	74.0	26.7
21040.1	---	38.5	54.0	15.5

Radiated Spurious – CH56

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.6	---	46.0	10.5
332.8	25.6	---	46.0	20.4
408.0	29.3	---	46.0	16.7
624.0	34.1	---	68.2	34.1
1066.5	---	34.8	54.0	19.2
1067.0	45.1	---	74.0	28.9
1396.0	---	30.6	54.0	23.4
1397.0	43.1	---	74.0	30.9
6186.5	56.3	---	68.2	11.9
16761.2	51.6	---	68.2	16.6
21119.8	---	38.5	54.0	15.5
21120.0	48.0	---	74.0	26.0

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.3	---	46.0	11.7
332.8	25.4	---	46.0	20.7
408.0	28.3	---	46.0	17.7
624.0	34.3	---	68.2	33.9
1106.5	---	36.9	54.0	17.1
1106.5	48.1	---	74.0	25.9
6324.5	57.4	---	68.2	10.9
6644.1	46.9	---	68.2	21.3
10623.4	---	46.5	54.0	7.5
10623.4	55.3	---	74.0	18.7
39675.2	53.1	---	68.2	15.1

30 MHz – 40 GHz, 802.11ax20, HE0, Chain B

Radiated Spurious – CH52

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.9	---	46.0	11.1
332.8	25.3	---	46.0	20.7
408.0	29.2	---	46.0	16.8
624.0	34.0	---	68.2	34.3
1046.5	---	39.1	54.0	14.9
1046.5	48.0	---	74.0	26.0
1393.5	42.9	---	74.0	31.1
1397.5	---	30.7	54.0	23.3
6184.5	56.9	---	68.2	11.3
6566.3	47.8	---	68.2	20.4
10504.0	57.3	---	68.2	10.9
20967.3	47.0	---	74.0	27.0
21040.1	---	39.7	54.0	14.3

Radiated Spurious – CH56

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.6	---	46.0	11.4
332.8	25.9	---	46.0	20.1
408.0	28.6	---	46.0	17.4
624.0	33.3	---	68.2	34.9
1066.0	---	37.3	54.0	16.7
1066.5	48.1	---	74.0	25.9
1396.0	43.3	---	74.0	30.7
1397.5	---	30.9	54.0	23.1
6149.0	56.1	---	68.2	12.1
6599.6	47.2	---	68.2	21.0
10544.1	57.0	---	68.2	11.2
21109.9	47.8	---	74.0	26.2
21120.0	---	40.2	54.0	13.8

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.4	---	46.0	11.6
332.8	24.2	---	46.0	21.8
408.0	29.0	---	46.0	17.0
624.0	33.6	---	68.2	34.6
1106.5	---	36.9	54.0	17.1
1107.5	46.1	---	74.0	28.0
6325.0	57.0	---	68.2	11.2
6648.0	46.9	---	68.2	21.3
10622.9	---	50.2	54.0	**3.8**
10623.9	58.2	---	74.0	15.8
21280.2	---	39.5	54.0	14.5
21283.4	48.2	---	74.0	25.8

30 MHz – 40 GHz, 802.11ax20, HE0, Chain A+B

Radiated Spurious – CH64

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.3	---	46.0	10.7
408.0	28.9	---	46.0	17.1
624.0	33.5	---	68.2	34.7
672.0	35.0	---	68.2	33.2
1106.0	44.1	---	74.0	29.9
1106.0	---	33.8	54.0	20.2
6253.0	56.1	---	68.2	12.2
10623.4	---	45.4	54.0	8.6
10623.9	54.0	---	74.0	20.0
21279.9	---	39.7	54.0	14.3
21310.2	47.6	---	74.0	26.4

30 MHz – 40 GHz, 802.11ax40, HE0, Chain A

Radiated Spurious – CH54

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.0	---	46.0	12.1
332.8	25.1	---	46.0	20.9
408.0	28.7	---	46.0	17.3
624.0	33.9	---	68.2	34.3
1046.5	---	41.0	54.0	13.0
1047.0	50.4	---	74.0	23.6
6325.5	58.2	---	68.2	**10.0**
6569.7	48.2	---	68.2	20.0
10503.0	48.8	---	68.2	19.4
39452.0	53.4	---	68.2	14.8

Radiated Spurious – CH62

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.3	---	46.0	10.7
332.8	24.7	---	46.0	21.3
407.9	28.5	---	46.0	17.5
624.0	33.4	---	68.2	34.8
1086.5	48.2	---	74.0	25.8
1087.0	---	38.1	54.0	15.9
6326.0	57.6	---	68.2	10.6
10583.3	51.7	---	68.2	16.5
21238.5	47.6	---	74.0	26.4
21239.8	---	39.4	54.0	14.6

30 MHz – 40 GHz, 802.11ax40, HE0, Chain B

Radiated Spurious – CH54

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.7	---	46.0	11.3
332.9	25.3	---	46.0	20.7
408.0	29.2	---	46.0	16.8
624.0	34.7	---	68.2	33.5
1047.0	---	41.0	54.0	13.0
1047.5	50.5	---	74.0	23.5
6326.0	57.8	---	68.2	10.4
6578.4	47.6	---	68.2	20.6
10503.0	55.7	---	68.2	12.5
21079.7	---	40.0	54.0	14.0
21123.5	47.2	---	74.0	26.8

Radiated Spurious – CH62

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	34.5	---	46.0	11.5
332.8	25.3	---	46.0	20.7
408.0	29.4	---	46.0	16.6
624.0	34.4	---	68.2	33.8
1086.0	44.1	---	74.0	29.9
1087.0	---	34.0	54.0	20.0
6324.0	56.2	---	68.2	12.0
10584.2	53.2	---	68.2	15.0
21239.8	47.8	---	74.0	26.2
21240.1	---	40.7	54.0	13.3

30 MHz – 40 GHz, 802.11ax40, HE0, Chain A+B

Radiated Spurious – CH54

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.3	---	46.0	10.7
408.0	29.4	---	46.0	16.6
624.0	33.6	---	68.2	34.6
672.0	33.6	---	68.2	34.7
1047.0	---	40.5	54.0	13.5
1047.0	49.6	---	74.0	24.4
6312.5	58.0	---	68.2	10.2
10504.5	57.2	---	68.2	11.0
39445.2	53.5	---	68.2	14.7

30 MHz – 40 GHz, 802.11ax80, HE0, Chain A

Radiated Spurious – CH58

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.1	---	46.0	10.9
332.7	23.4	---	46.0	22.6
624.0	32.6	---	68.2	35.6
672.0	34.1	---	68.2	34.1
1047.0	---	41.2	54.0	12.8
1047.5	50.6	---	74.0	23.4
6322.5	58.6	---	68.2	**9.6**
6599.1	47.2	---	68.2	21.0
21159.9	---	38.5	54.0	15.5
21180.3	47.8	---	74.0	26.2

30 MHz – 40 GHz, 802.11ax80, HE0, Chain B

Radiated Spurious – CH58

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.0	---	46.0	11.0
332.8	25.2	---	46.0	20.8
408.0	28.2	---	46.0	17.8
672.0	34.0	---	68.2	34.2
1046.5	---	38.2	54.0	15.8
1047.0	47.9	---	74.0	26.1
6349.0	56.9	---	68.2	11.3
6545.5	47.9	---	68.2	20.3
10504.5	54.4	---	68.2	13.8
21159.9	47.8	---	74.0	26.2
21159.9	---	40.6	54.0	13.4

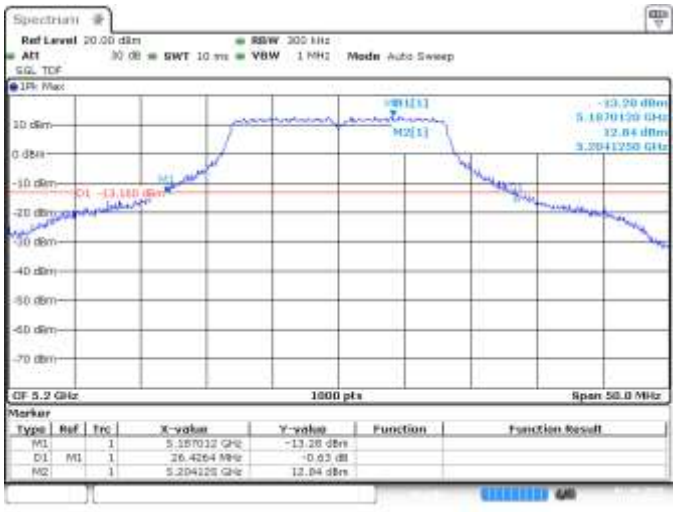
30 MHz – 40 GHz, 802.11ax80, HE0, Chain A+B

Radiated Spurious – CH58

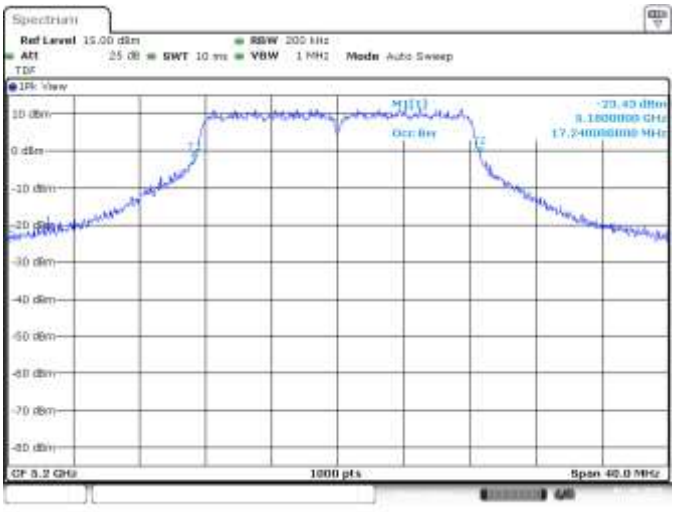
Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBµV/m	dB
264.0	35.4	---	46.0	10.6
332.7	26.0	---	46.0	20.0
624.0	33.3	---	68.2	35.0
672.0	33.8	---	68.2	34.4
1046.5	---	41.4	54.0	12.6
1047.0	54.4	---	74.0	19.6
6322.0	58.6	---	68.2	9.6
6574.0	47.2	---	68.2	21.0
6632.5	48.3	---	68.2	19.9
10504.0	52.4	---	68.2	15.8
21156.2	47.7	---	74.0	26.3
21159.6	---	38.7	54.0	15.3

B.4 Test Results Screenshot U-NII-1

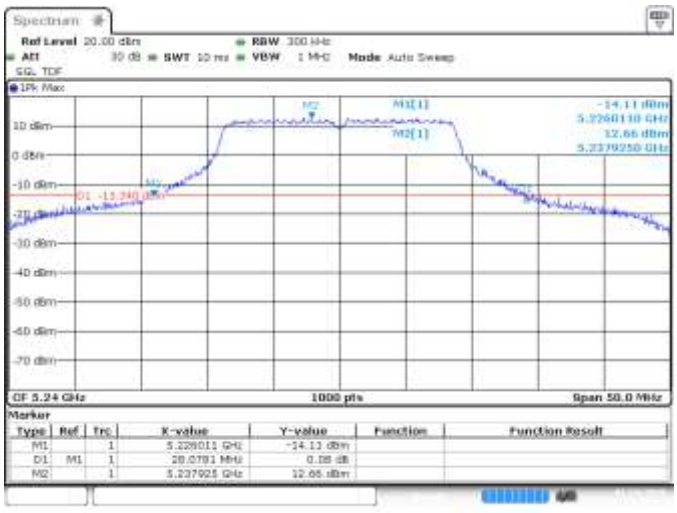
B.4.1 26dB & 99% Bandwidth



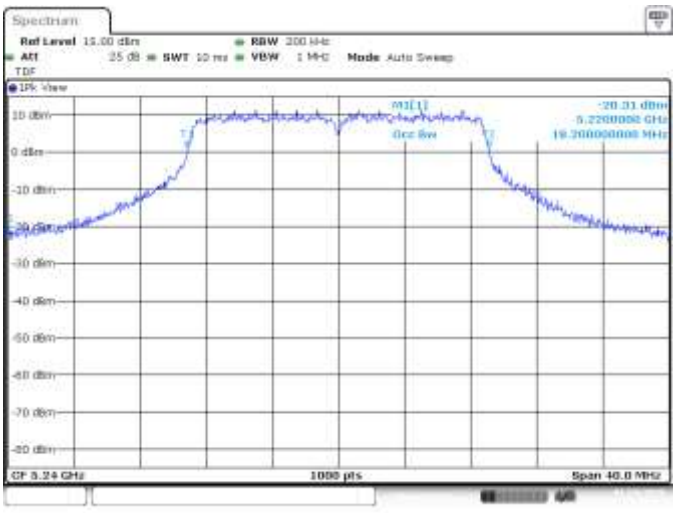
SISO A, CH40, 802.11a, 6Mbps, 26dB BW



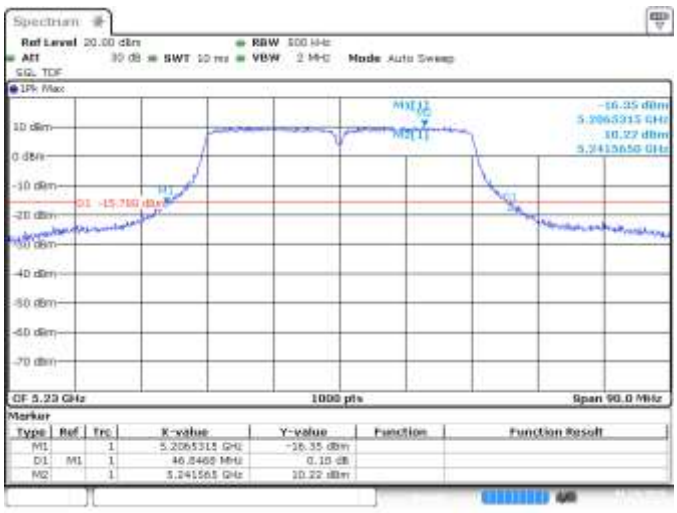
SISO B, CH40, 802.11a, 6Mbps, 99% BW



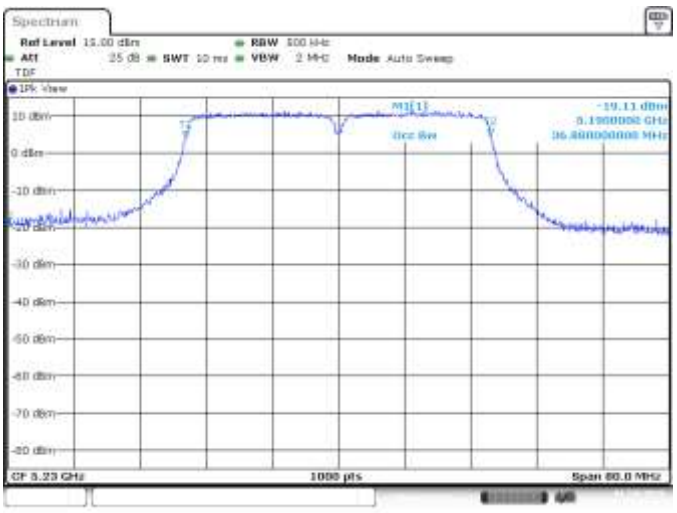
SISO B, CH48, 802.11n20, HT0, 26dB BW



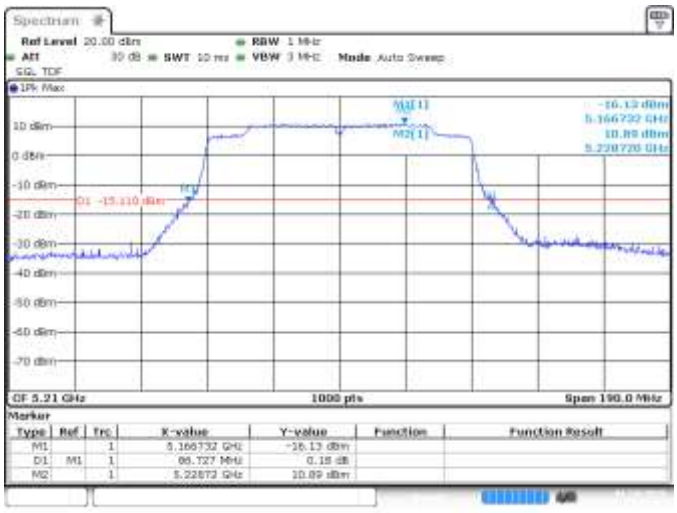
SISO B, CH48, 802.11n20, HT0, 99% BW



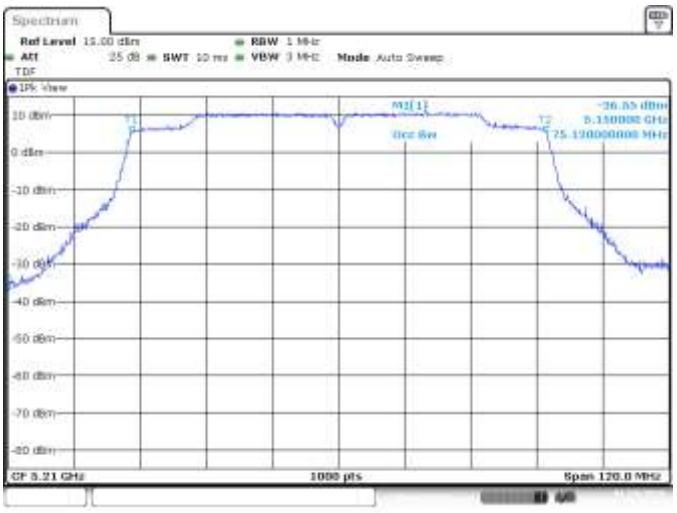
MIMO A, CH46, 802.11n40, HT0, 26dB BW



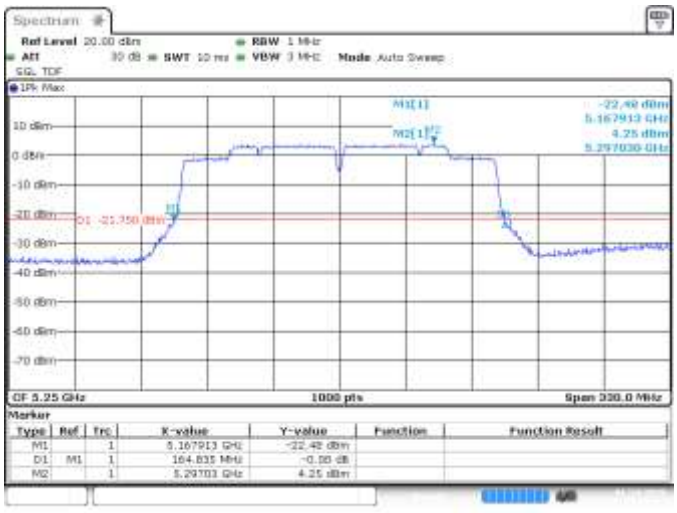
SISO B, CH46, 802.11n40, HT0, 99% BW



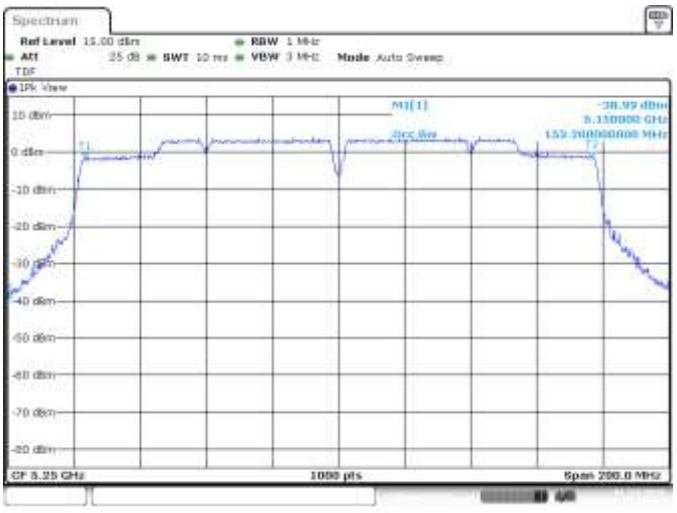
SISO A, CH42, 802.11ac80, VHT0, 26dB BW



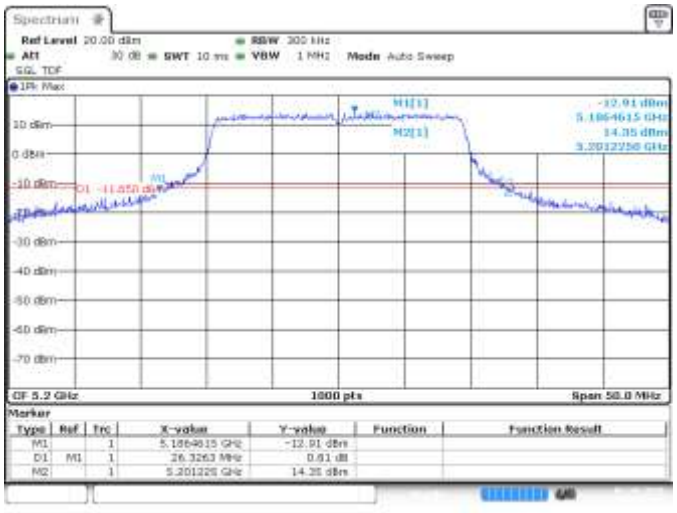
SISO A, CH42, 802.11ac80, VHT0, 99% BW



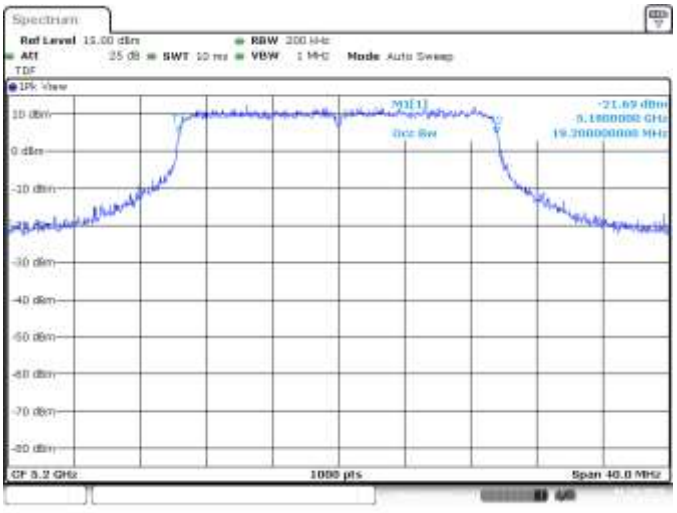
SISO A, CH50, 802.11ac160, VHT0, 26dB BW



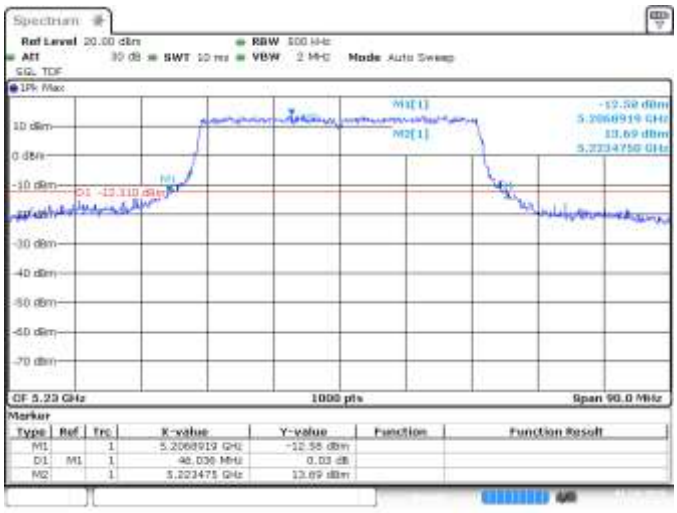
SISO A, CH50, 802.11ac160, VHT0, 99% BW



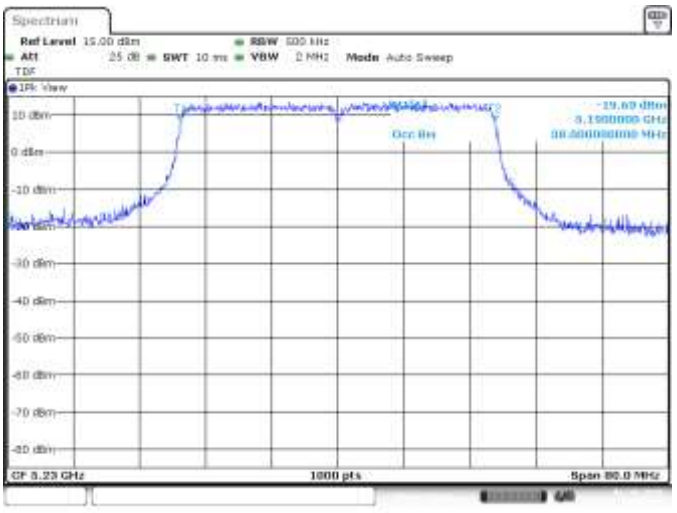
SISO B, CH40, 802.11ax20, HE0, 26dB BW



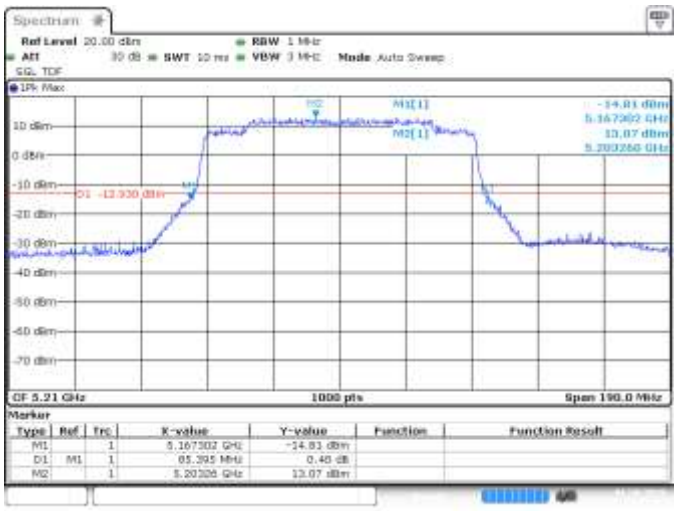
SISO B, CH40, 802.11ax20, HE0, 99% BW



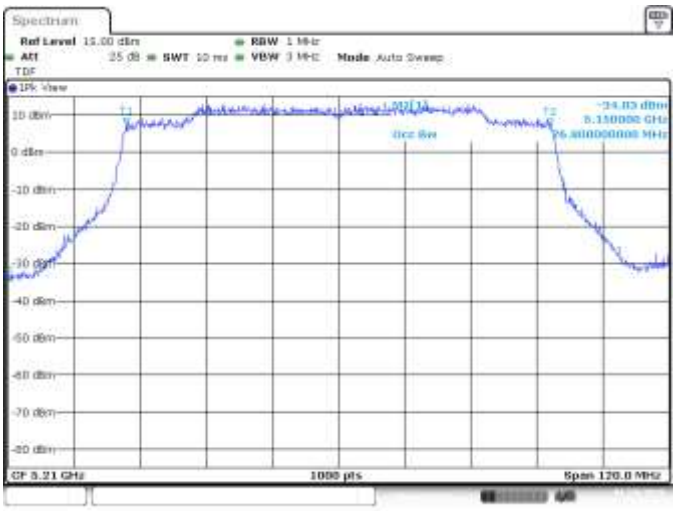
SISO B, CH46, 802.11ax40, HE0, 26dB BW



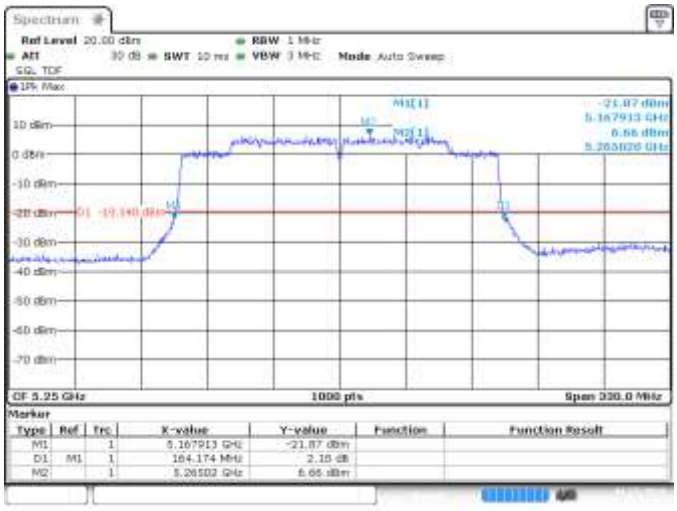
SISO B, CH46, 802.11ax40, HE0, 99% BW



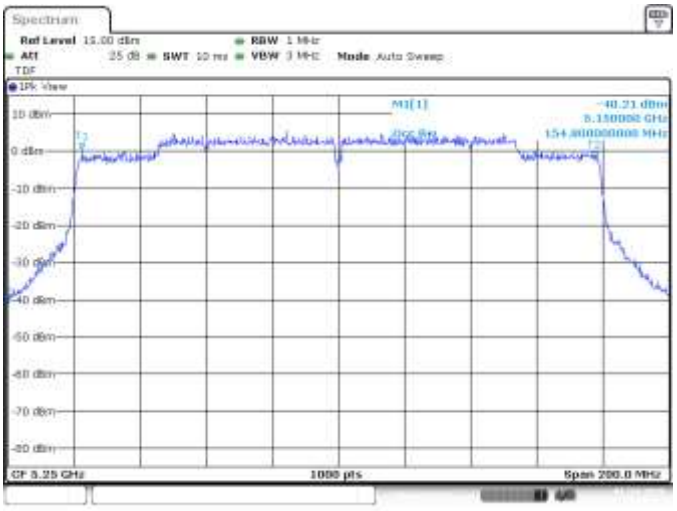
SISO B, CH42, 802.11ax80, HE0, 99% BW



SISO A, CH42, 802.11ax80, HE0, 99% BW

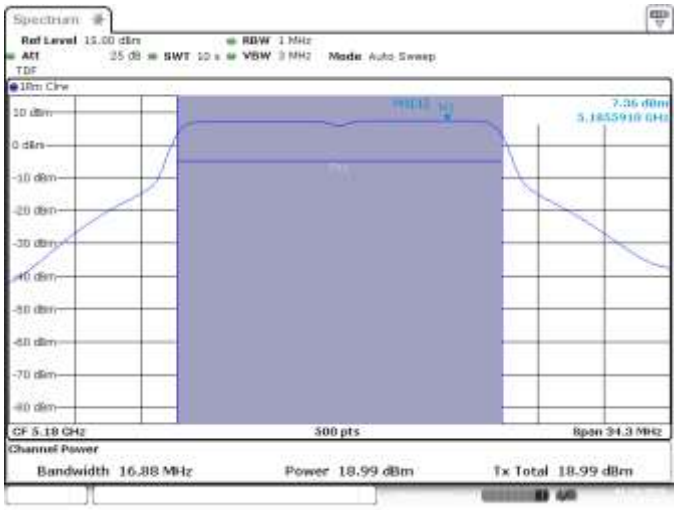


SISO B, CH50, 802.11ax160, HE0, 26dB BW

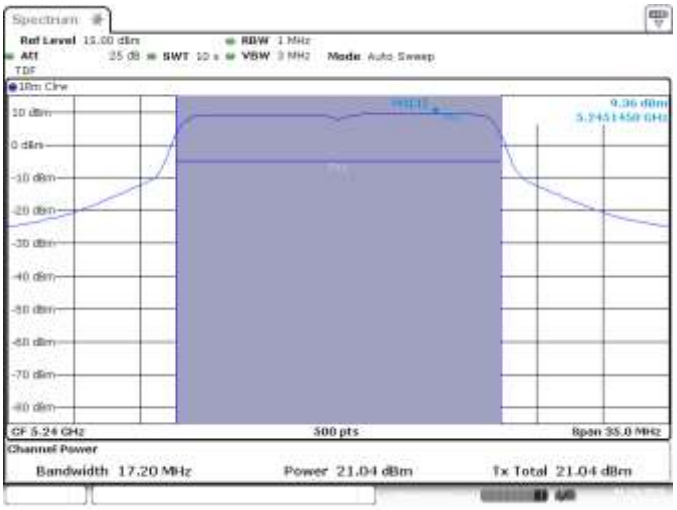


MIMO A, CH50, 802.11ax160, HE0, 99% BW

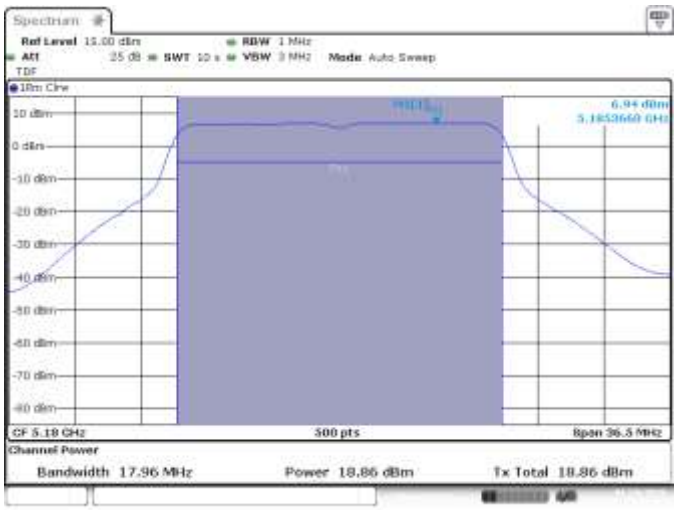
B.4.2 Power Limits. Maximum Output power & Maximum power spectral density



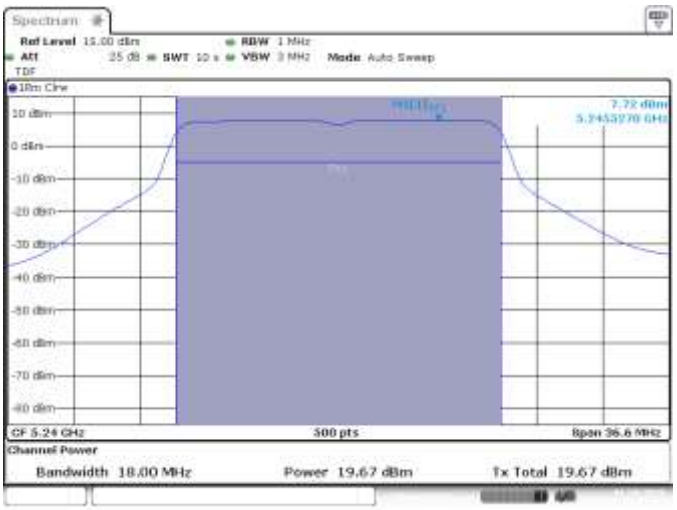
SISO A, CH36, 802.11a, 6Mbps, Power & PSD



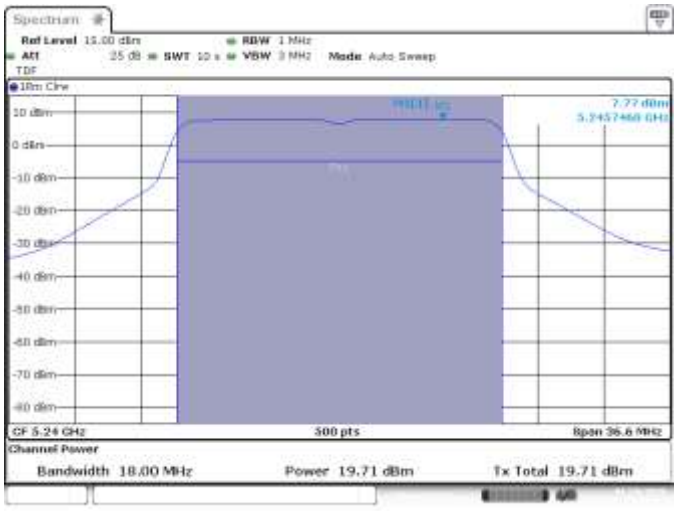
SISO B, CH48, 802.11a, 6Mbps, Power & PSD



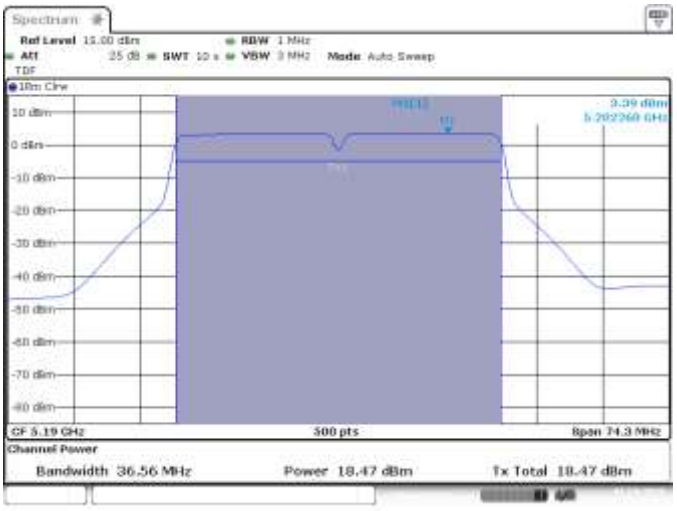
SISO B, 802.11n20,CH36, HT0, Power & PSD



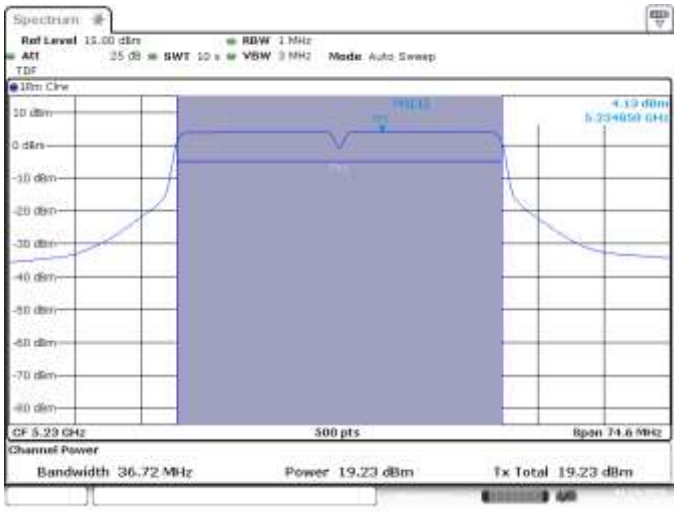
MIMO A, CH48, 802.11n20, HT8, Power & PSD



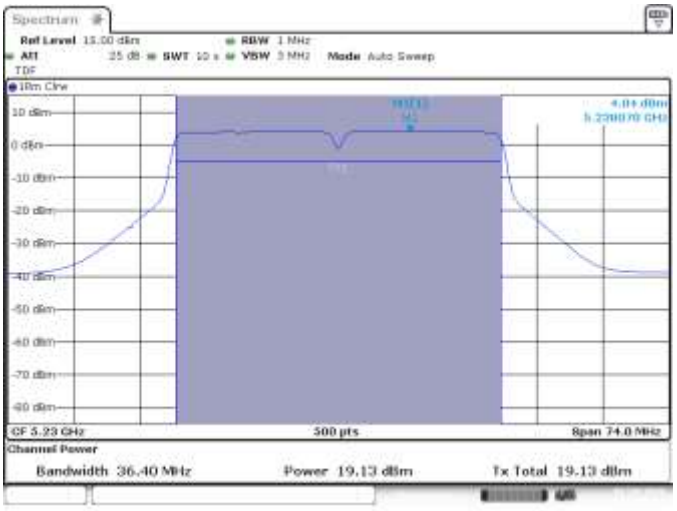
MIMO B, CH48, 802.11n20, HT8



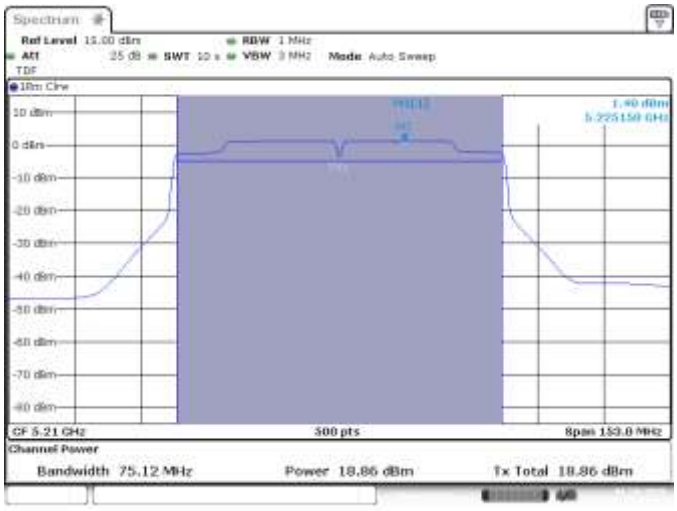
SISO B, CH38, 802.11n40, HT0



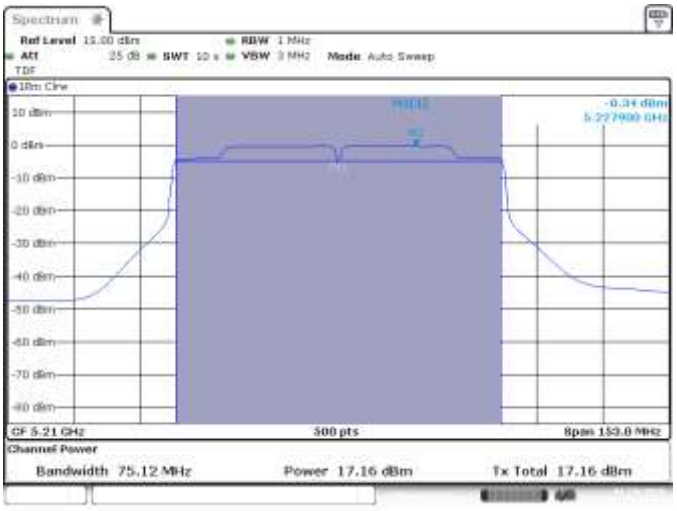
MIMO A, CH46, 802.11n40, HT8



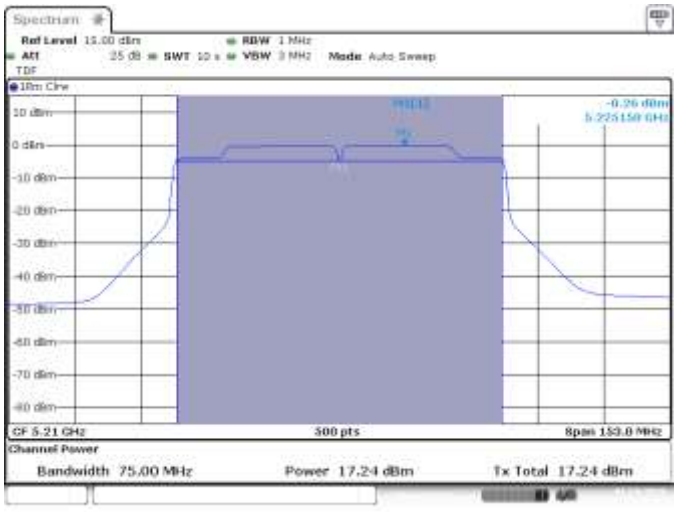
MIMO B, CH46, 802.11n40, HT8



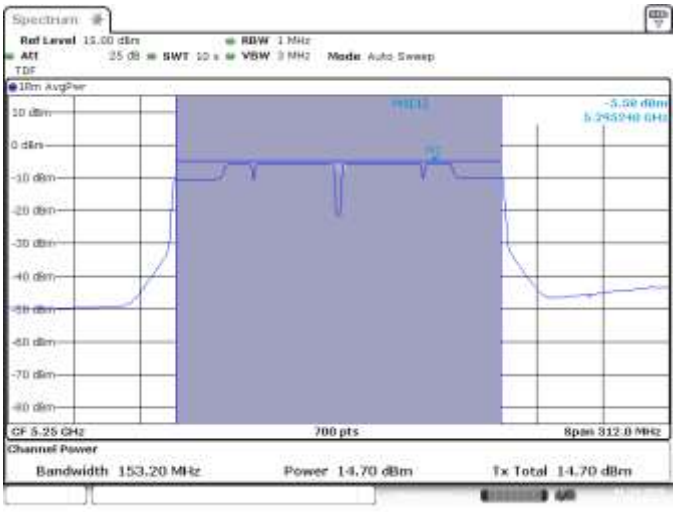
SISO A, 802.11ac80,CH42, VHT0



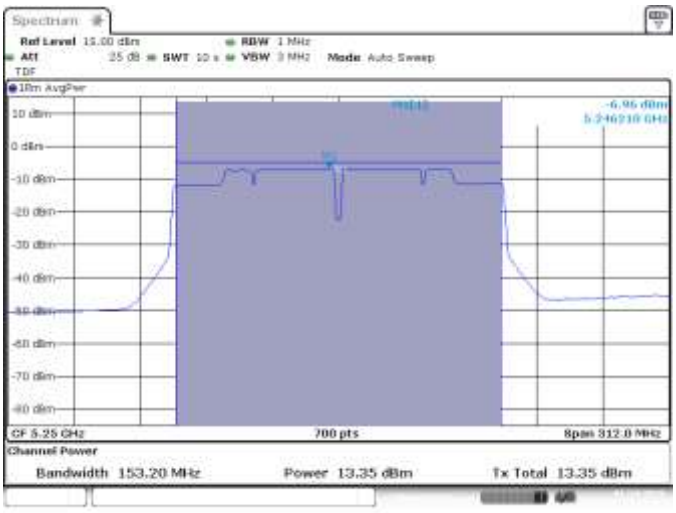
MIMO A, 802.11ac80,CH42, VHT0



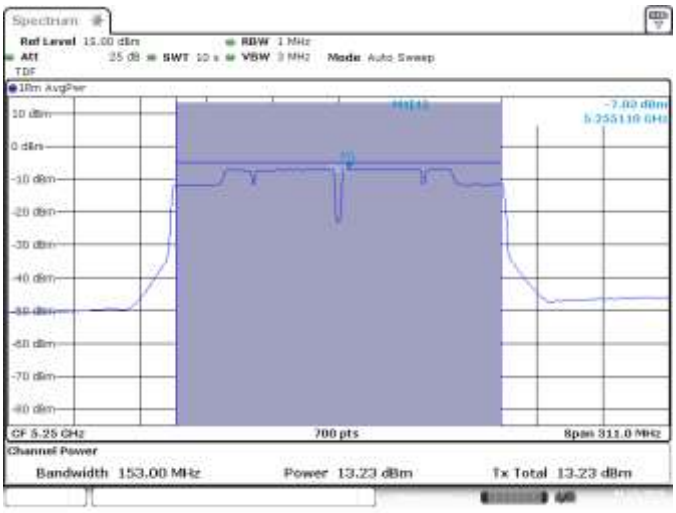
MIMO B, 802.11ac80,CH42, VHT0



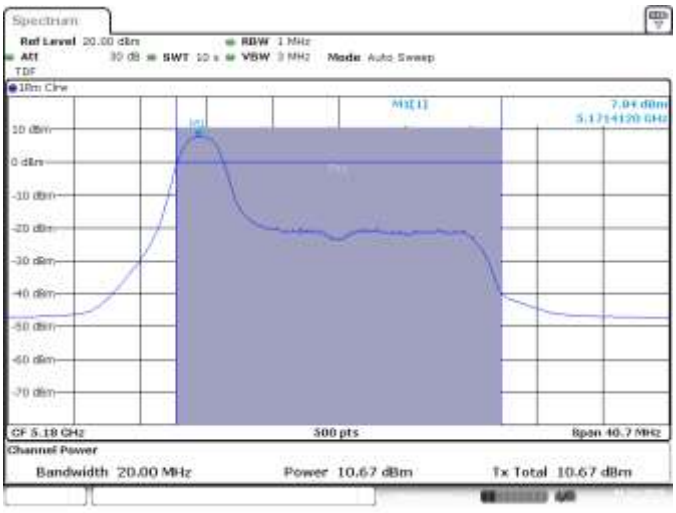
SISO A, 802.11ac160,CH50, VHT0



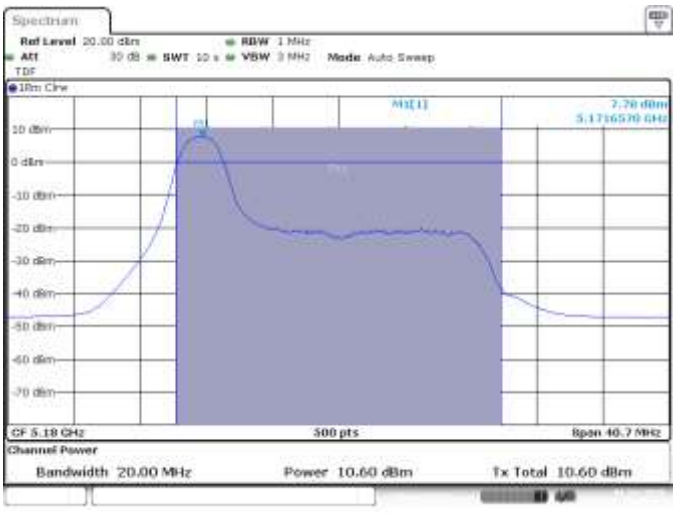
MIMO A, 802.11ac160,CH50, VHT0



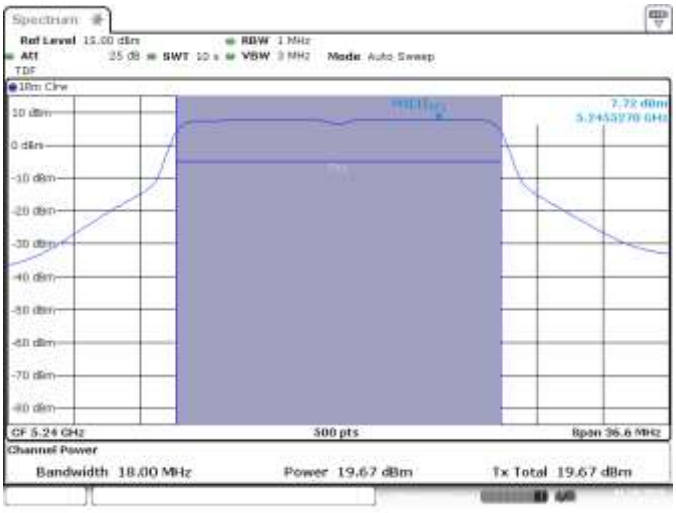
MIMO B, 802.11ac160,CH50, VHT0



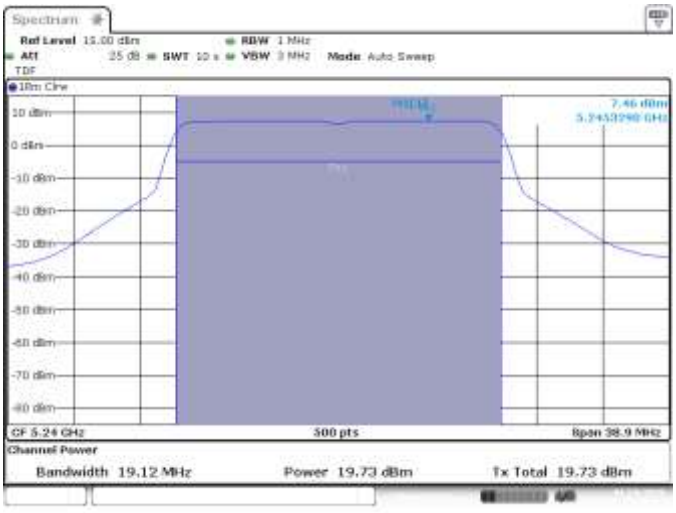
MIMO A, CH36, 802.11ax20, HE0,RU 26_0



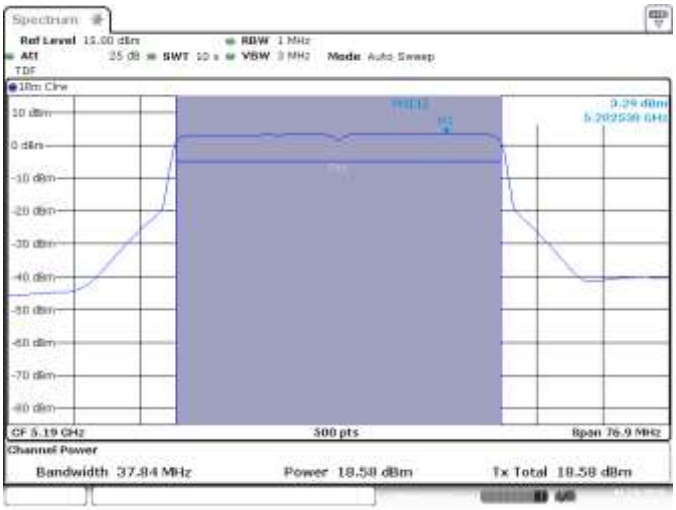
MIMO B, CH36, 802.11ax20, HE0,RU 26_0



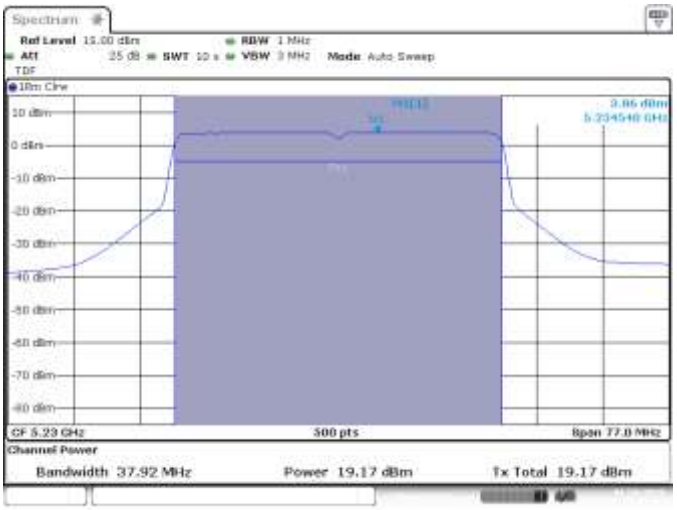
MIMO A, CH48, 802.11ax20, HE0



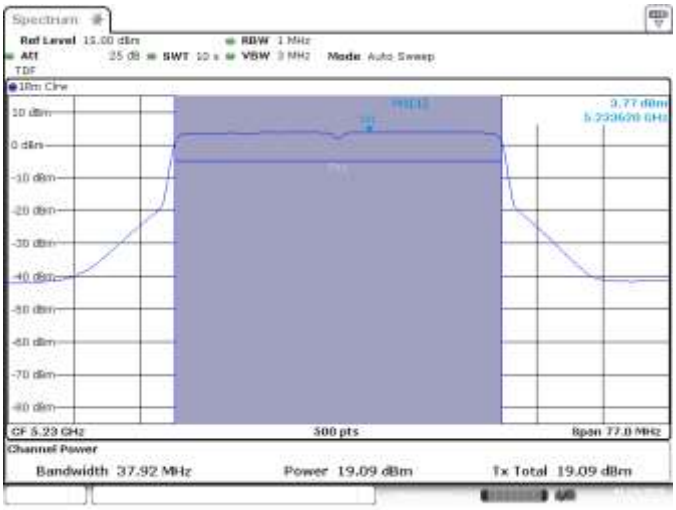
MIMO B, CH48, 802.11ax20, HE0



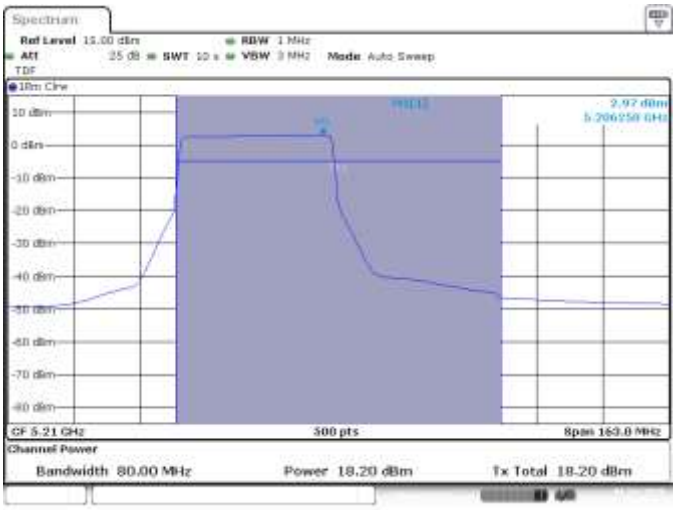
SISO A, CH38, 802.11ax40, HE0



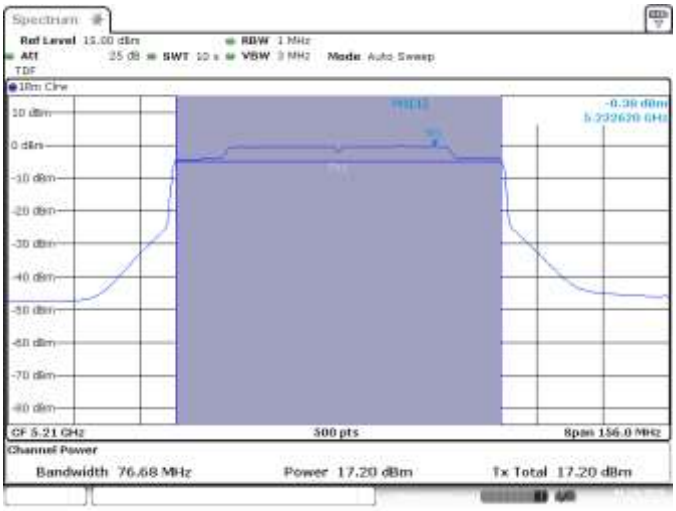
MIMO A, CH46, 802.11ax40, HE0



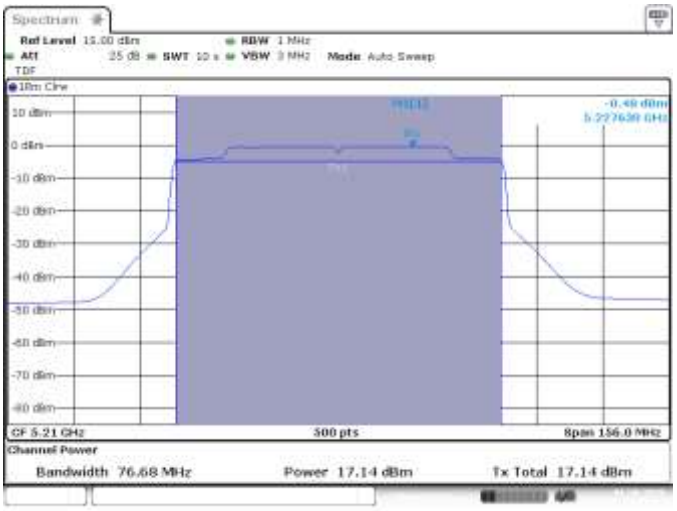
MIMO B, CH46, 802.11ax40, HE0



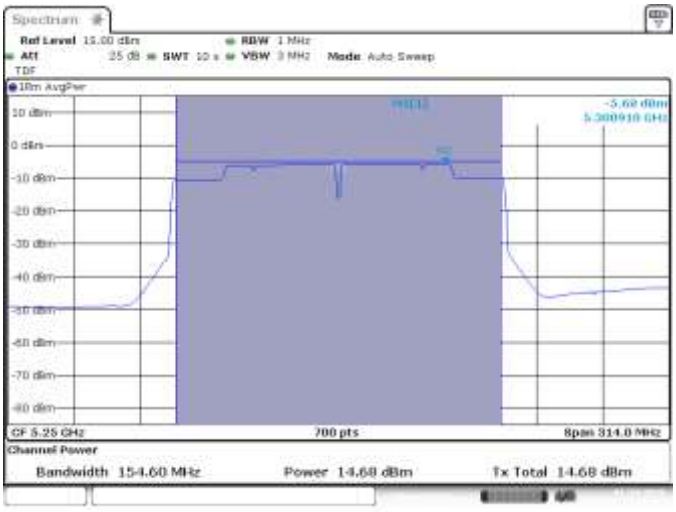
SISO B, CH42, 802.11ax80, HE0, RU 484_65



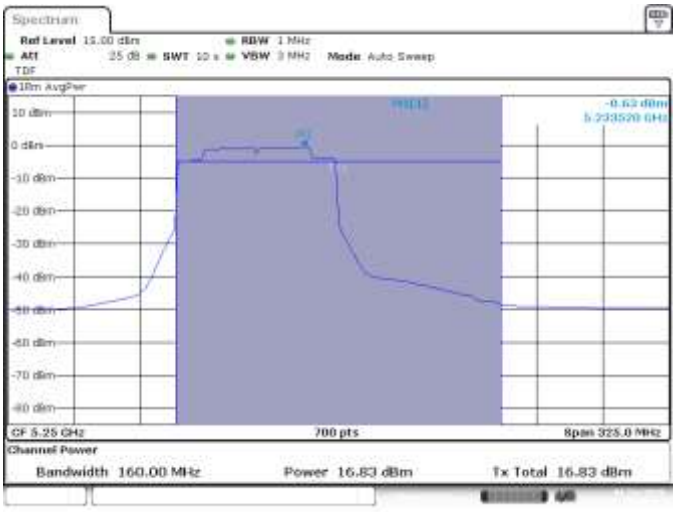
MIMO A, CH42, 802.11ax80, HE0



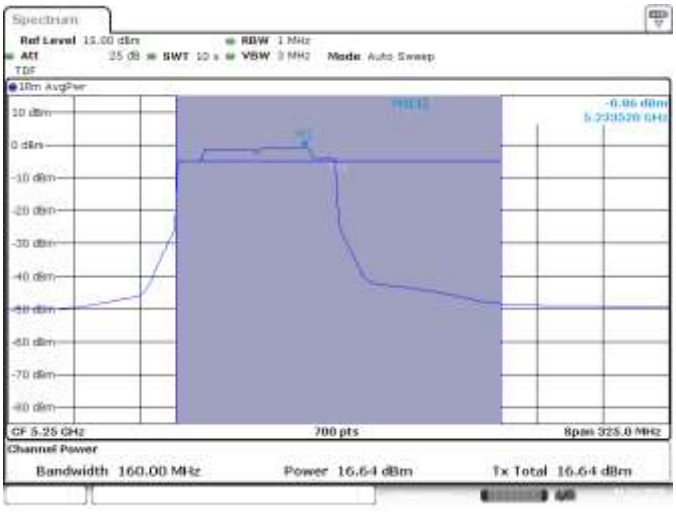
MIMO B, CH42, 802.11ax80, HE0



SISO A, CH50, 802.11ax160, HE0

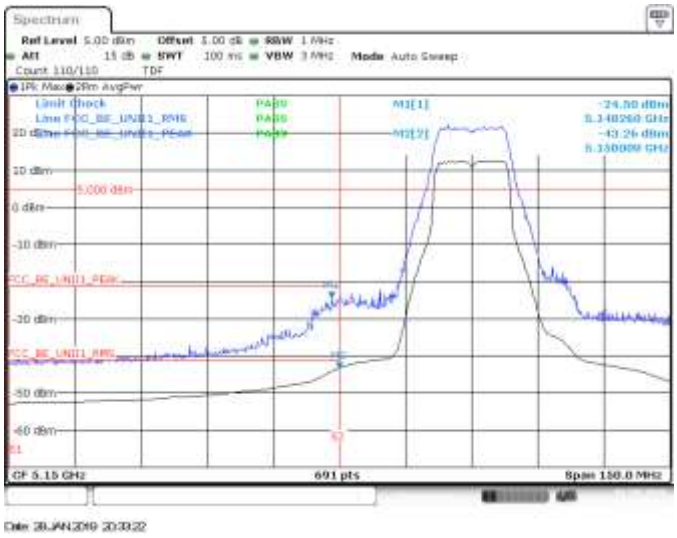


MIMO A, CH50, 802.11ax160, HE0, RU 996_67

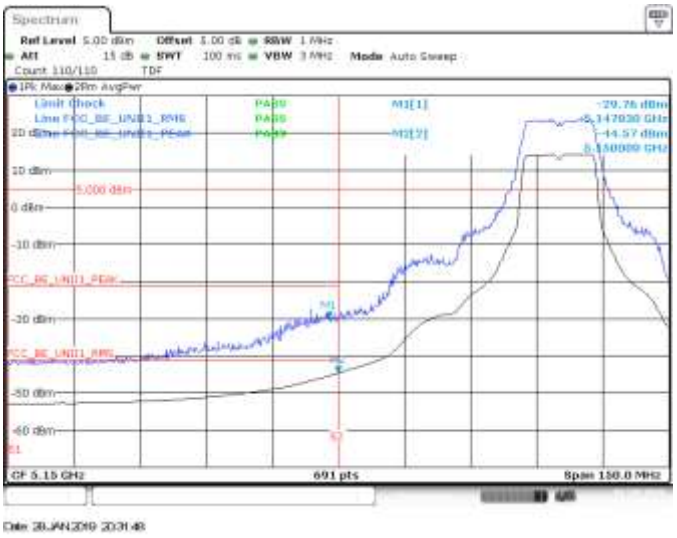


MIMO B, CH50, 802.11ax160, HE0, RU 996_S67

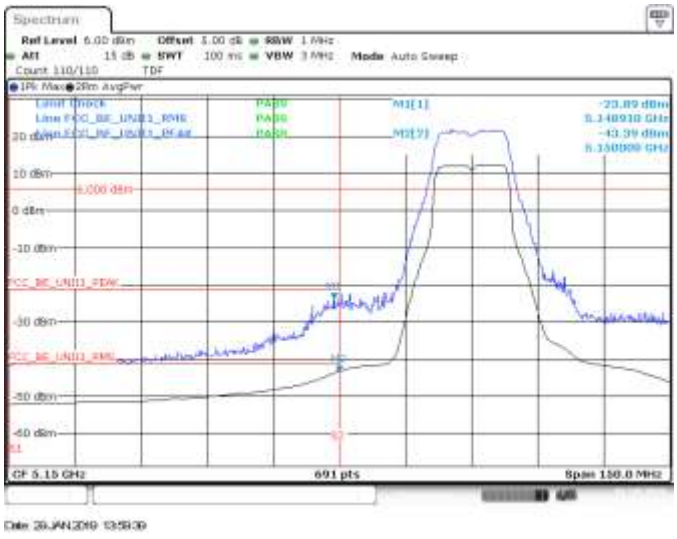
B.4.3 Undesirable emission limits : Band Edge (Conducted)



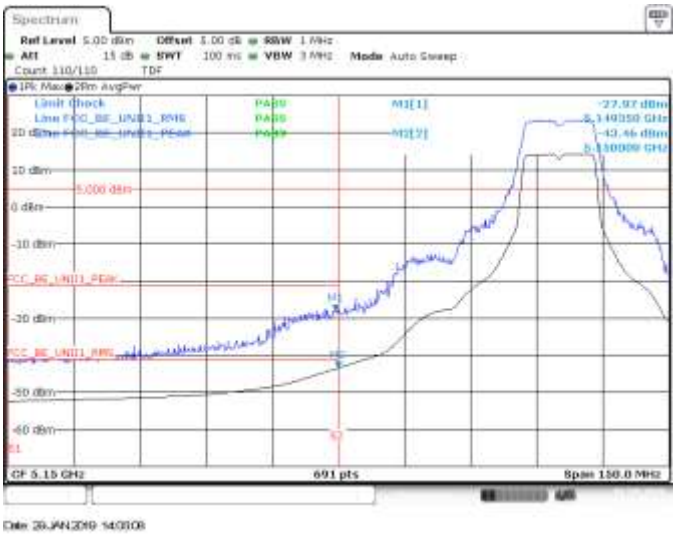
SISO A, 802.11a, 6Mbps, CH36, BE Low, RMS, Peak



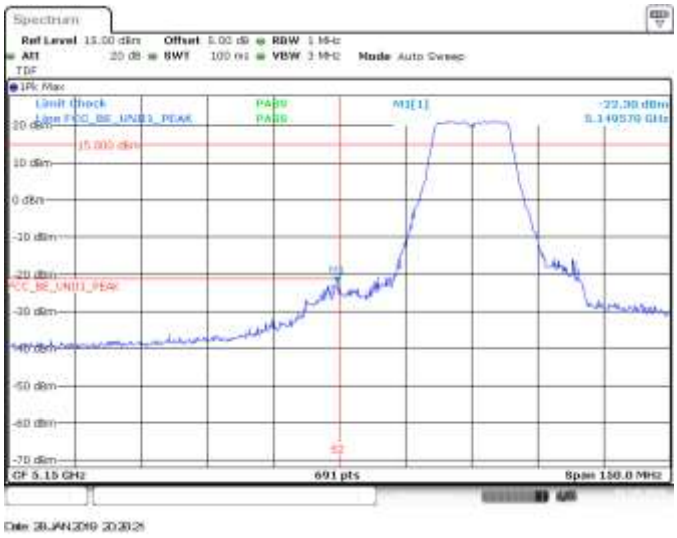
SISO A, 802.11a, 6Mbps, CH40, BE Low, RMS, Peak



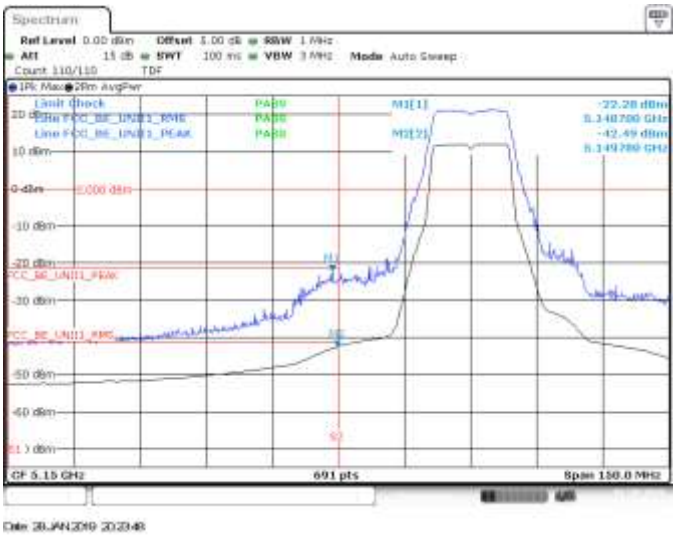
SISO B, 802.11a, 6Mbps, CH36, BE Low, RMS, Peak



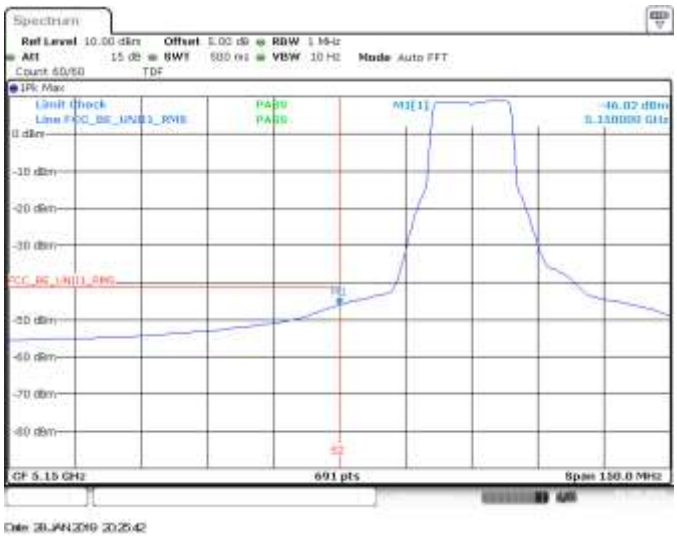
SISO B, 802.11a, 6Mbps, CH40, BE Low, RMS, Peak



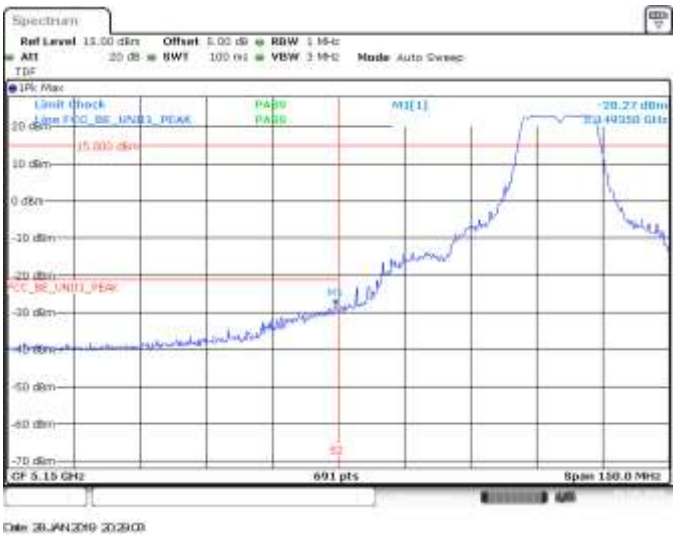
SISO A, 802.11n20, HT0, CH36, BE Low, Peak



SISO A, 802.11n20, HT0, CH36, BE Low, RMS, Peak

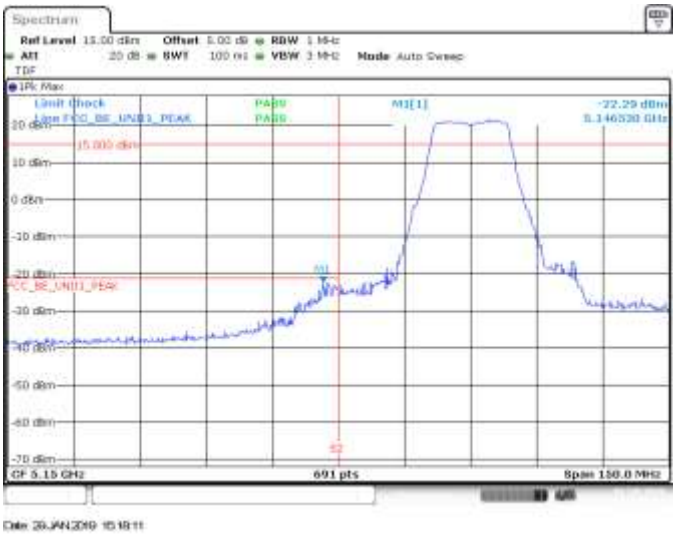


SISO A, 802.11n20, HT0, CH36, BE Low, RMS

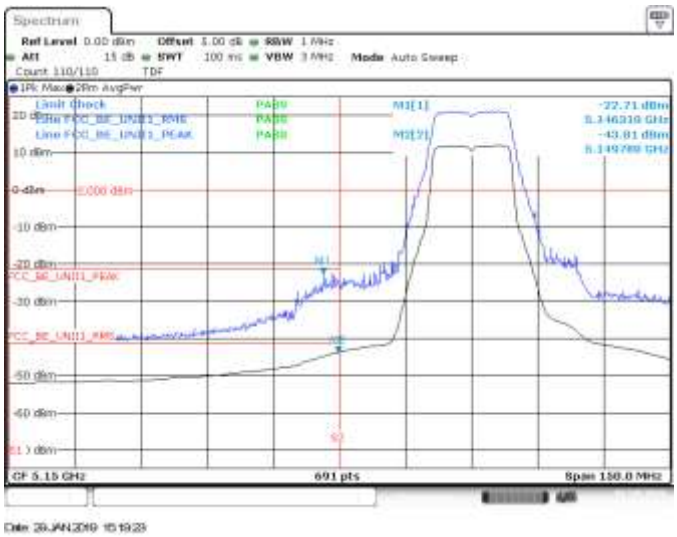


SISO A, 802.11n20, HT0, CH40, BE Low, Peak

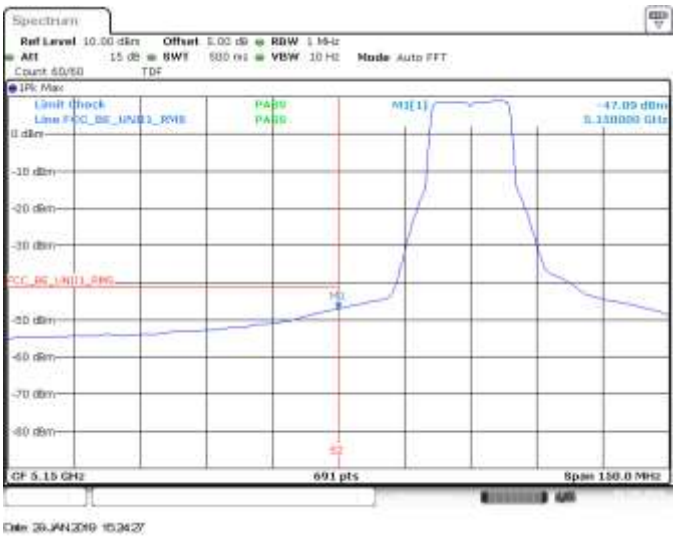
SISO A, 802.11n20, HT0, CH40, BE Low, RMS



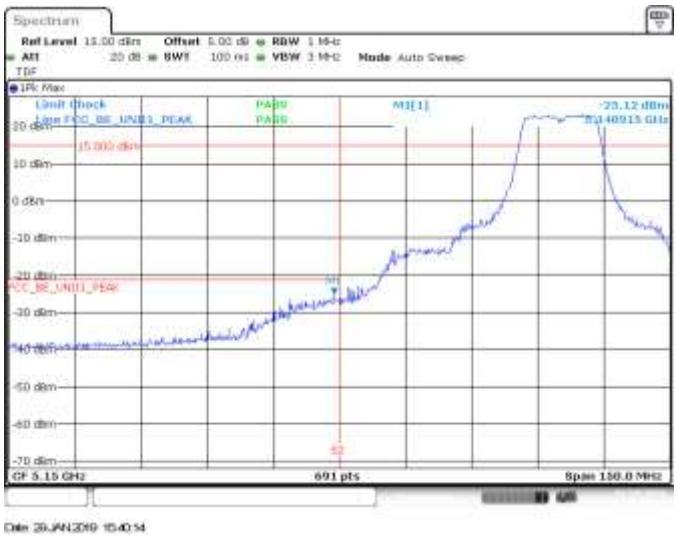
SISO B, 802.11n20, HT0, CH36, BE Low, Peak



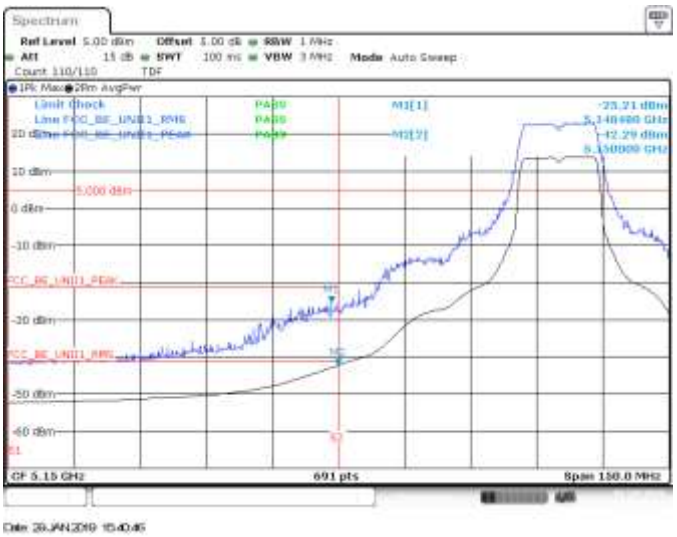
SISO B, 802.11n20, HT0, CH36, BE Low, RMS, Peak



SISO B, 802.11n20, HT0, CH36, BE Low, RMS

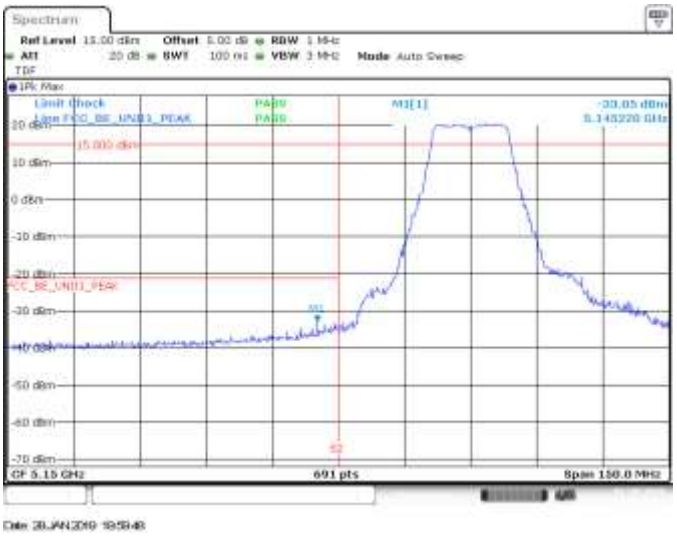


SISO B, 802.11n20, HT0, CH40, BE Low, Peak

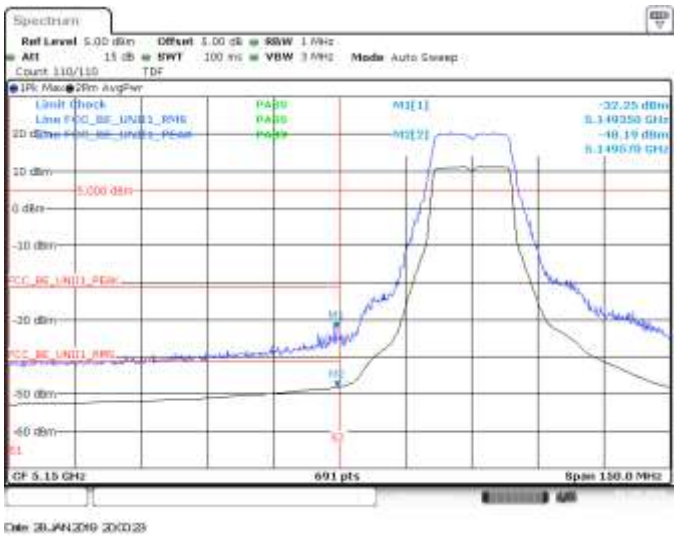


SISO B, 802.11n20, HT0, CH40, BE Low, RMS, Peak

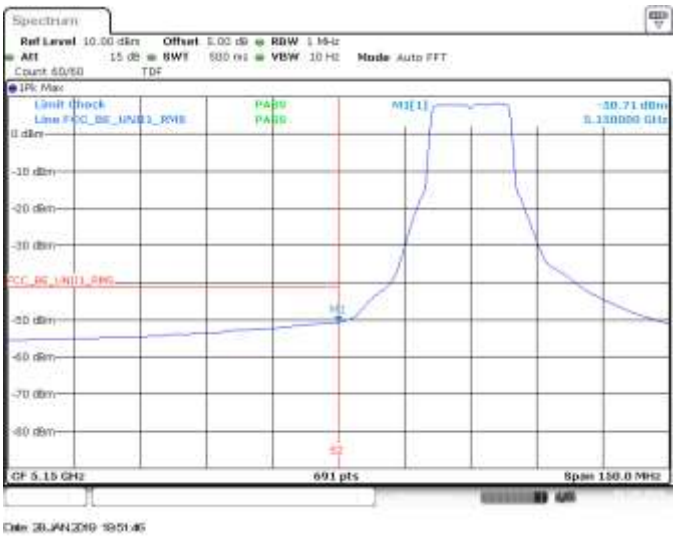
SISO B, 802.11n20, HT0, CH40, BE Low, RMS



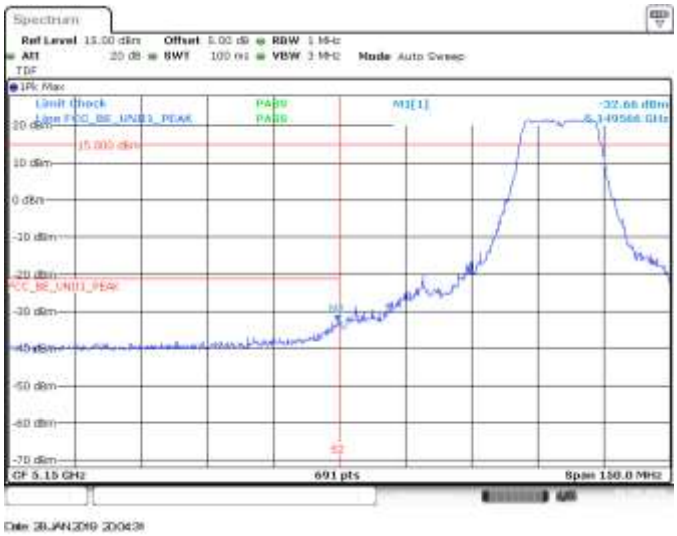
MIMO A, 802.11n20, HT8, CH36, BE Low, Peak



MIMO A, 802.11n20, HT8, CH36, BE Low, RMS, Peak

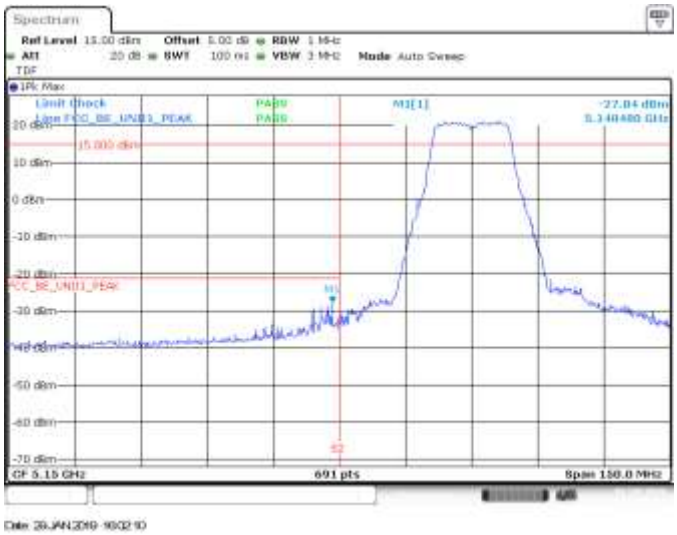


MIMO A, 802.11n20, HT8, CH36, BE Low, RMS

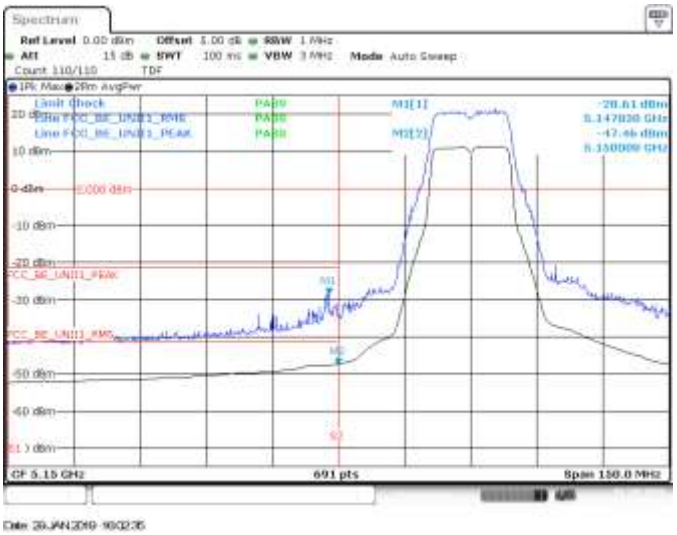


MIMO A, 802.11n20, HT8, CH40, BE Low, Peak

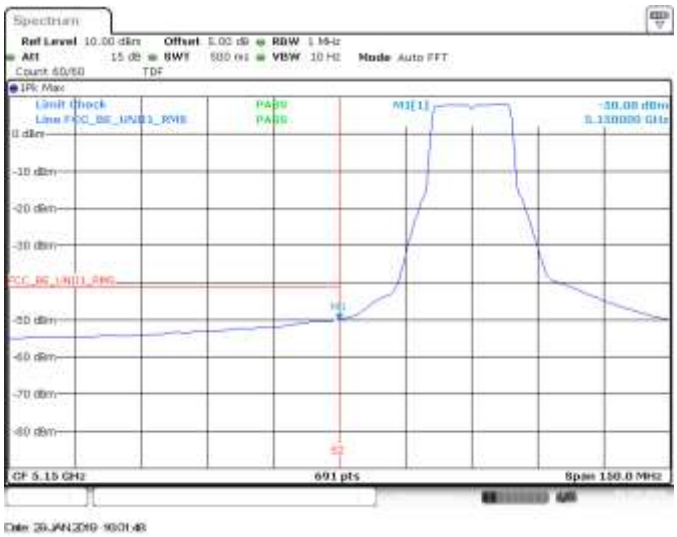
MIMO A, 802.11n20, HT8, CH40, BE Low, RMS



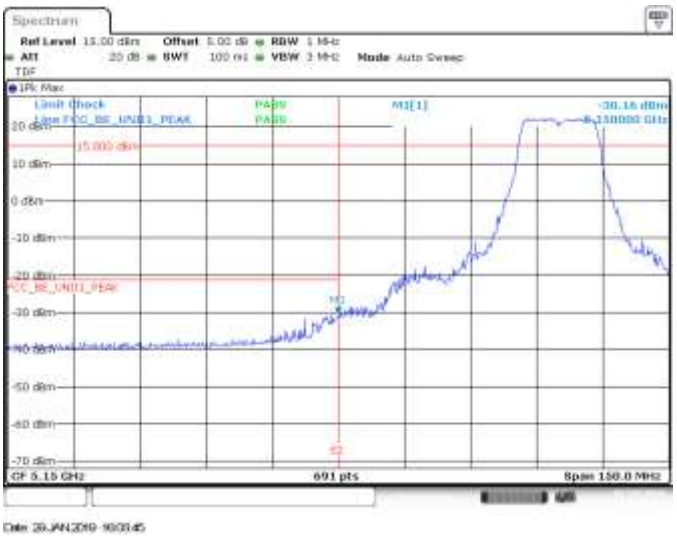
MIMO B, 802.11n20, HT8, CH36, BE Low, Peak



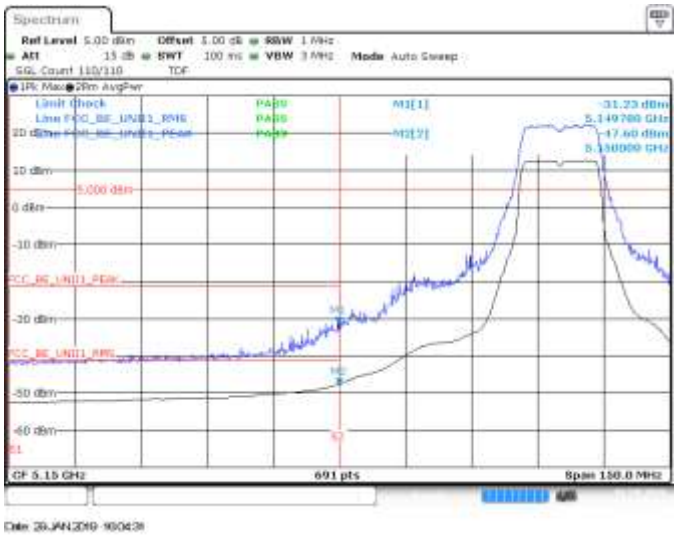
MIMO B, 802.11n20, HT8, CH36, BE Low, RMS, Peak



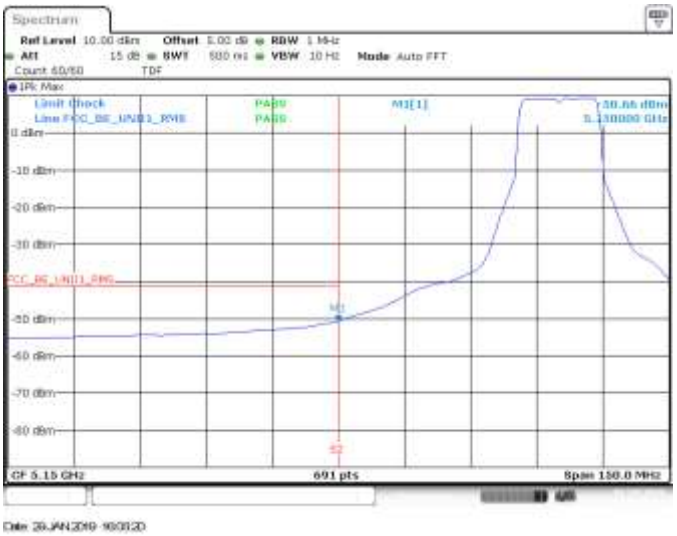
MIMO B, 802.11n20, HT8, CH36, BE Low, RMS



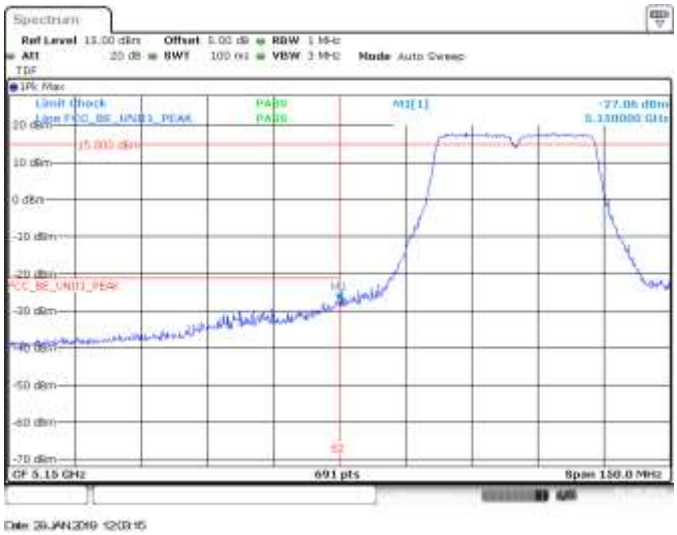
MIMO B, 802.11n20, HT8, CH40, BE Low, Peak



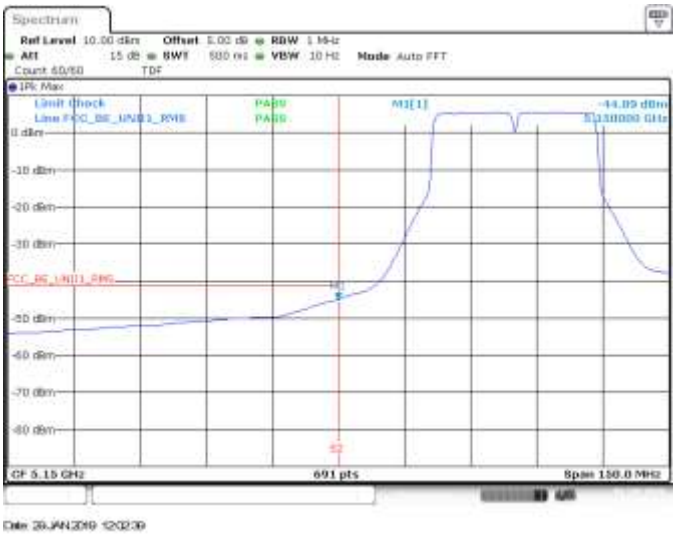
MIMO B, 802.11n20, HT8, CH40, BE Low, RMS, Peak



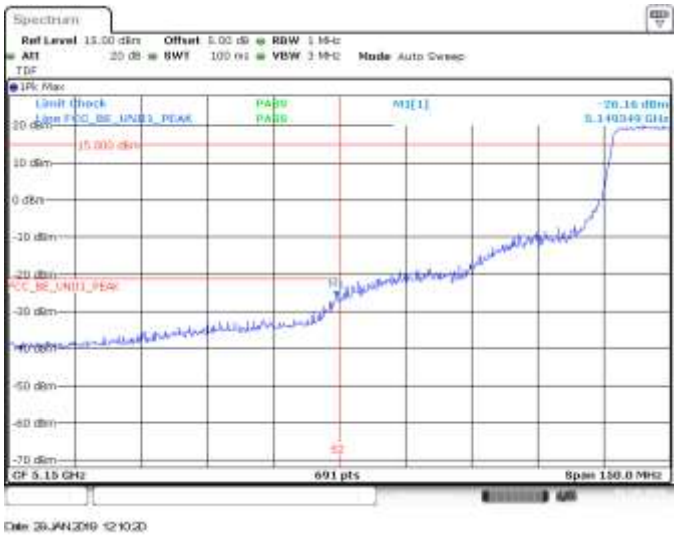
MIMO B, 802.11n20, HT8, CH40, BE Low, RMS



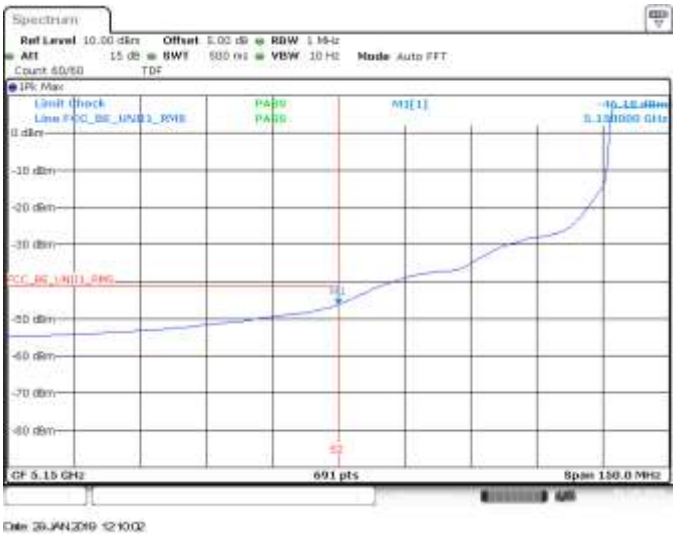
SISO A, 802.11n40, HT0, CH38, BE Low, Peak



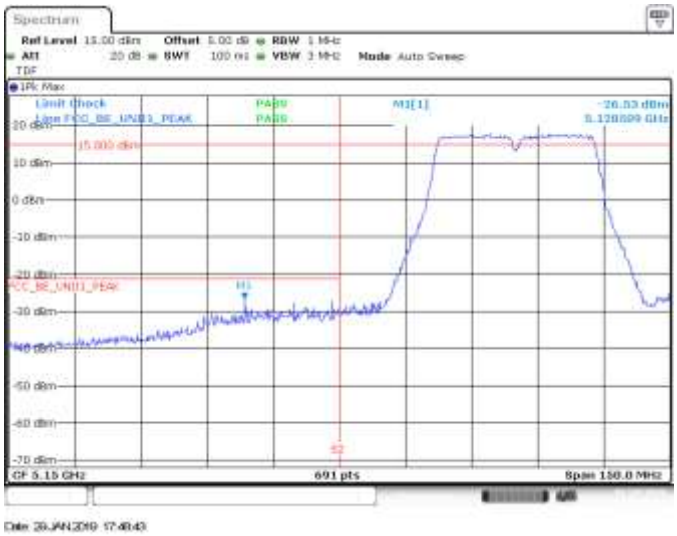
SISO A, 802.11n40, HT0, CH38, BE Low, RMS



SISO A, 802.11n40, HT0, CH46, BE Low, Peak

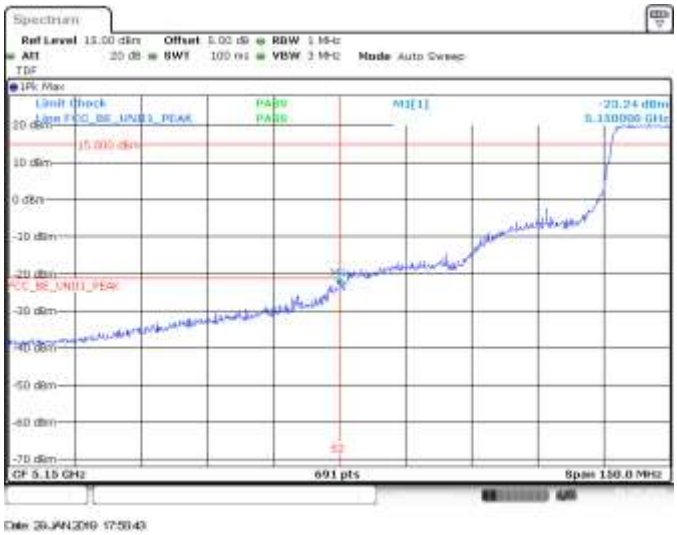


SISO A, 802.11n40, HT0, CH46, BE Low, RMS

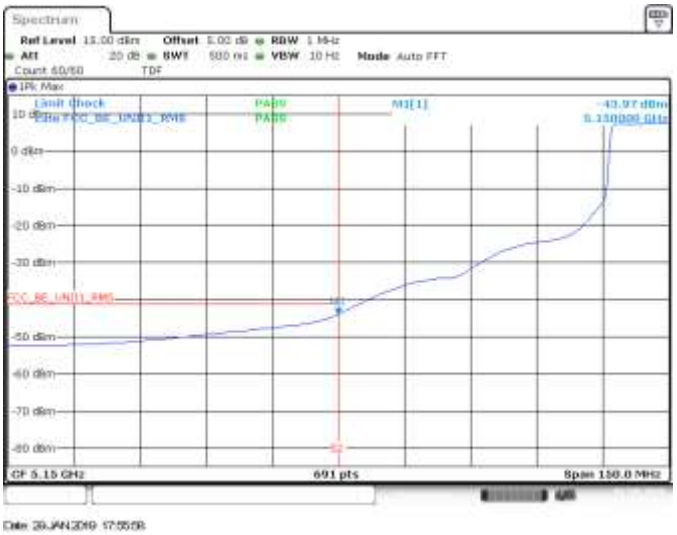


SISO B, 802.11n40, HT0, CH38, BE Low, Peak

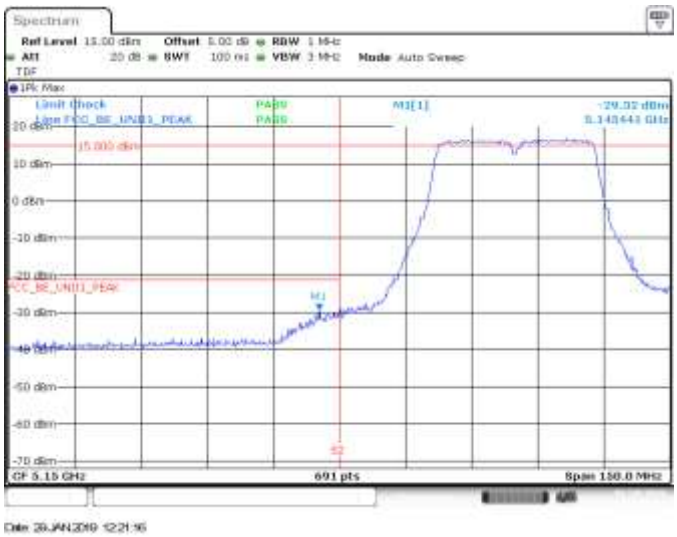
SISO B, 802.11n40, HT0, CH38, BE Low, RMS



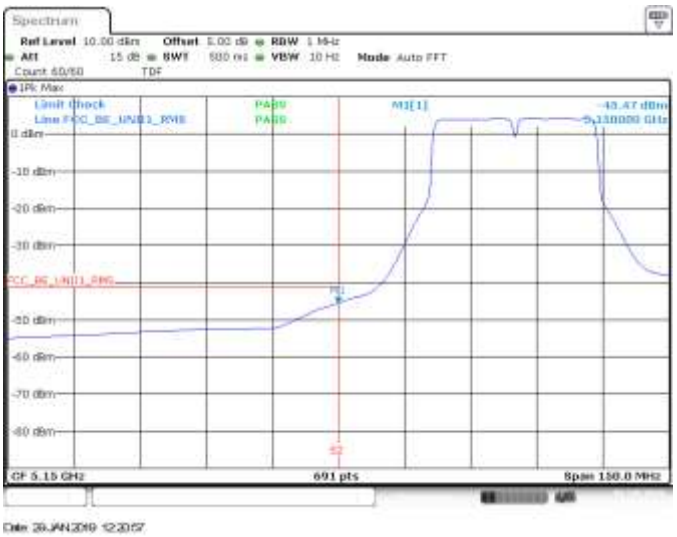
SISO B, 802.11n40, HT0, CH46, BE Low, Peak



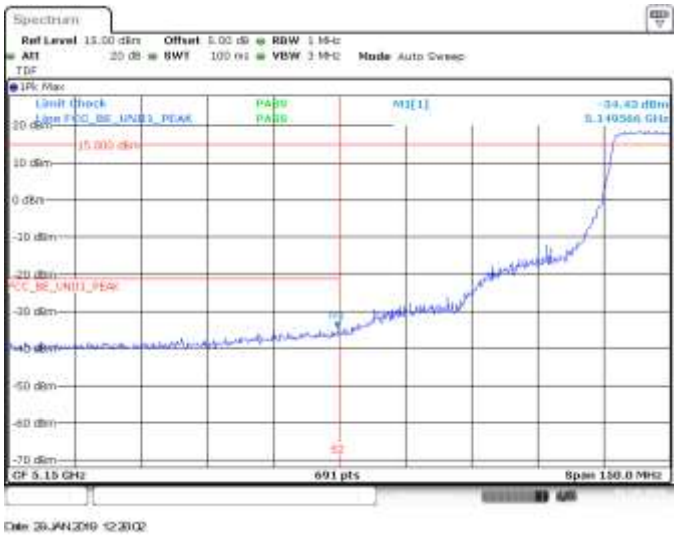
SISO B, 802.11n40, HT0, CH46, BE Low, RMS



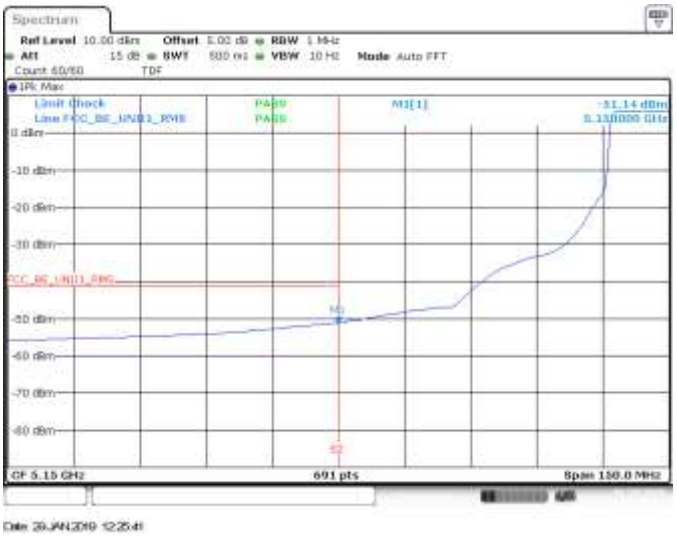
MIMO A, 802.11n40, HT8, CH38, BE Low, Peak



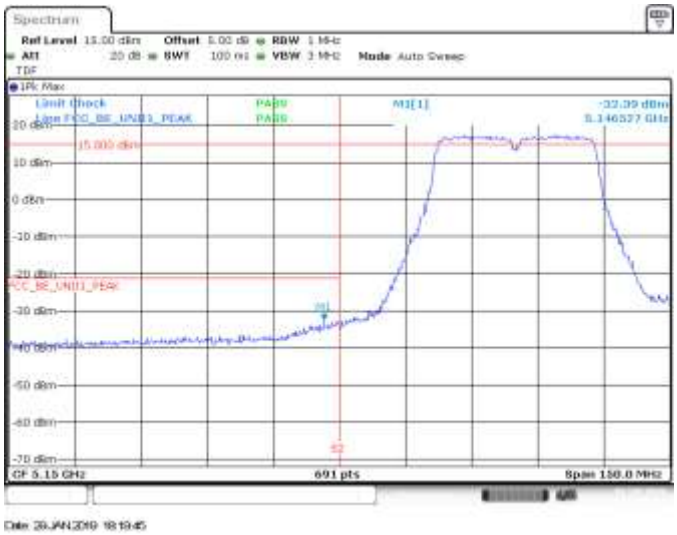
MIMO A, 802.11n40, HT8, CH38, BE Low, RMS



MIMO A, 802.11n40, HT8, CH46, BE Low, Peak

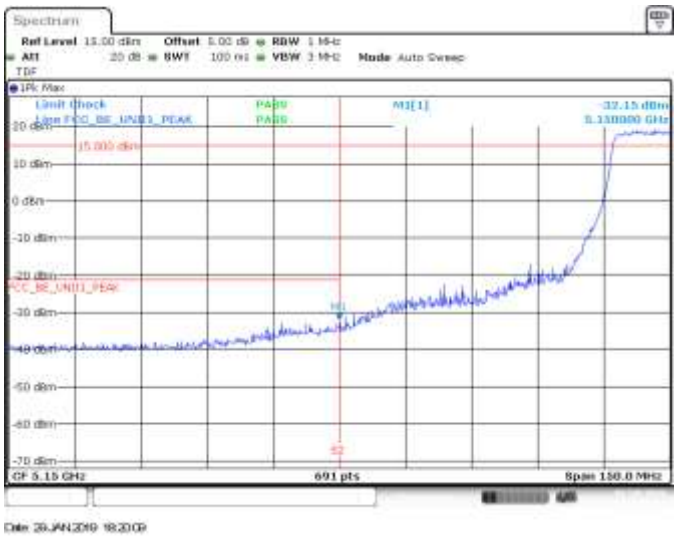


MIMO A, 802.11n40, HT8, CH46, BE Low, RMS

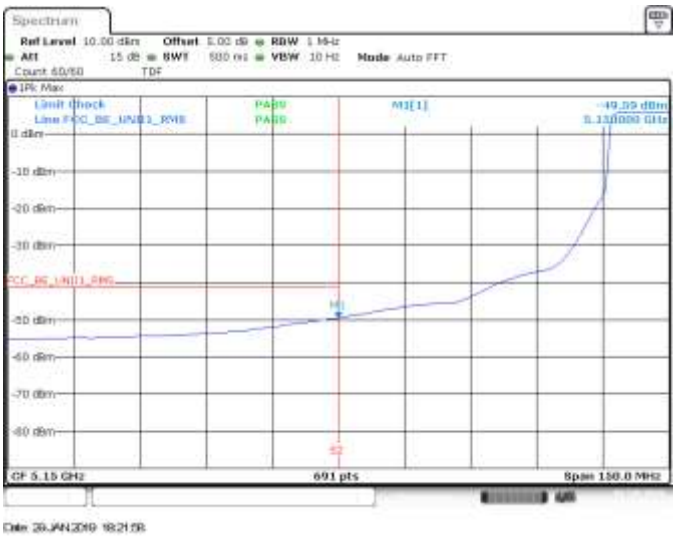


MIMO B, 802.11n40, HT8, CH38, BE Low, Peak

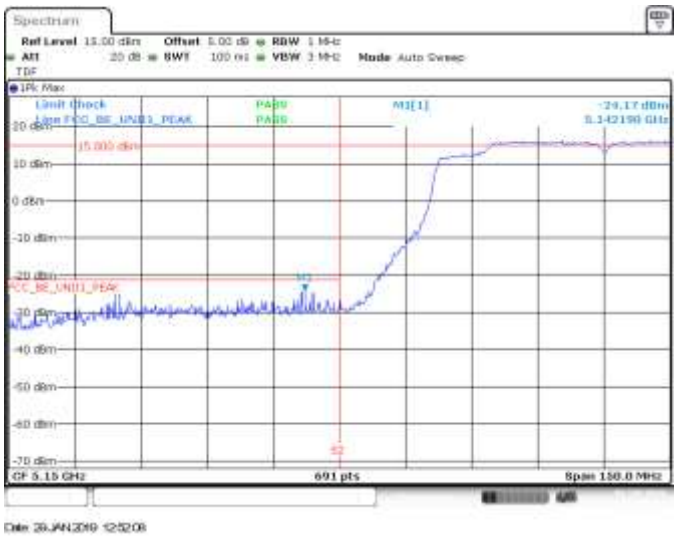
MIMO B, 802.11n40, HT8, CH38, BE Low, RMS



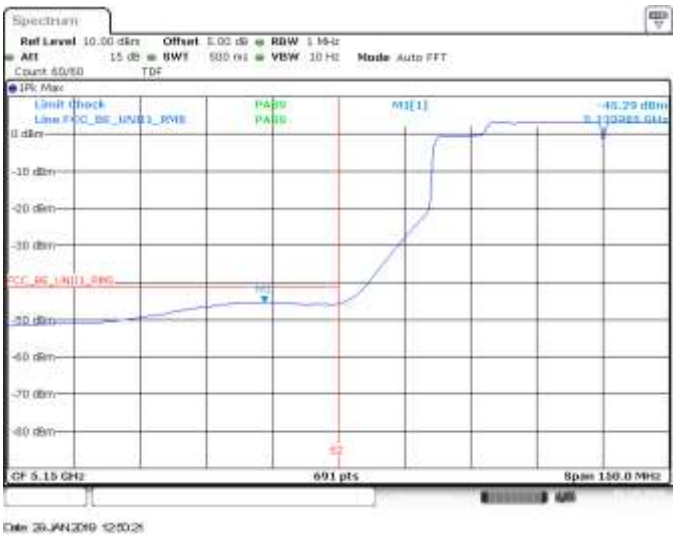
MIMO B, 802.11n40, HT8, CH46, BE Low, Peak



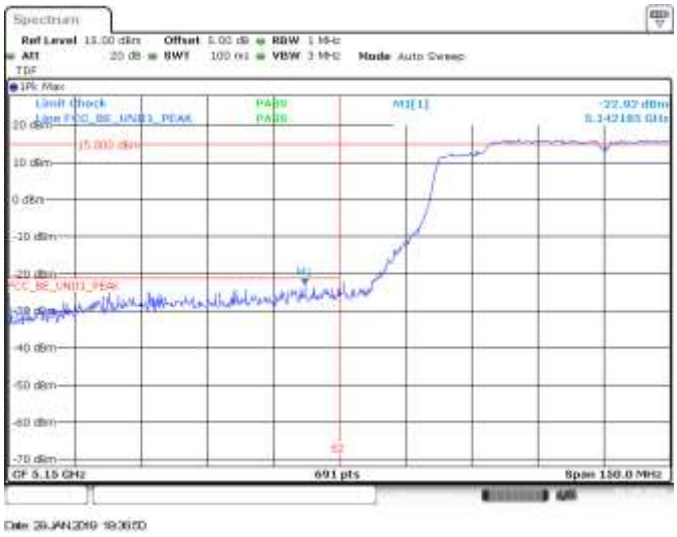
MIMO B, 802.11n40, HT8, CH46, BE Low, RMS



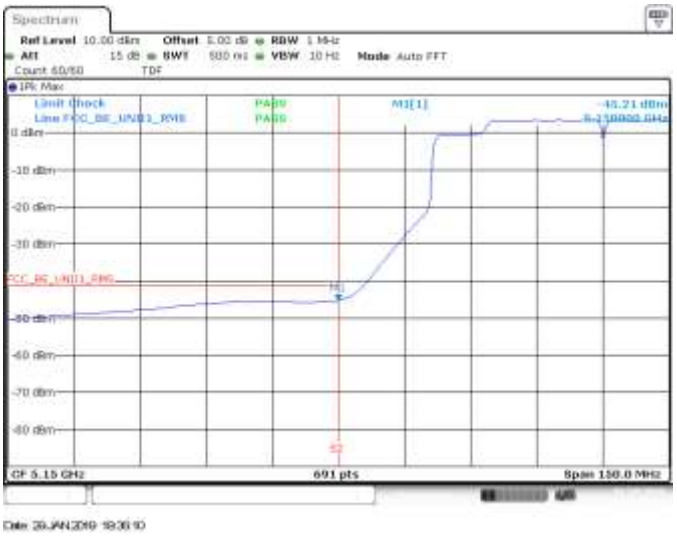
SISO A, 802.11ac80, VHT0, CH42, BE Low, Peak



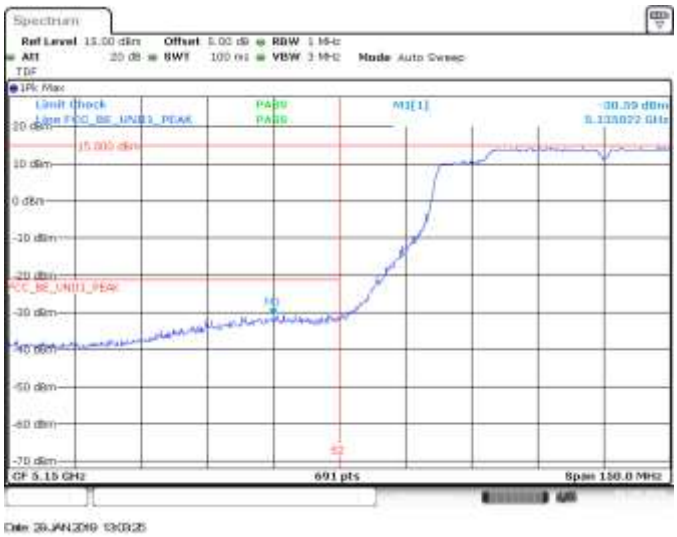
SISO A, 802.11ac80, VHT0, CH42, BE Low, RMS



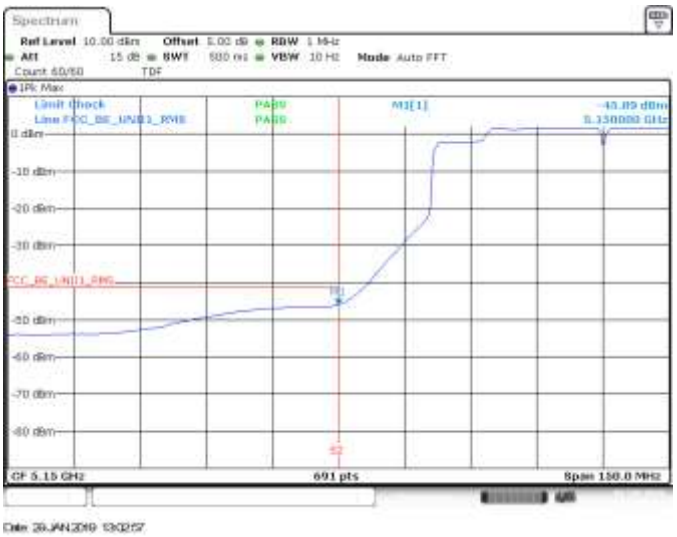
SISO B, 802.11ac80, VHT0, CH42, BE Low, Peak



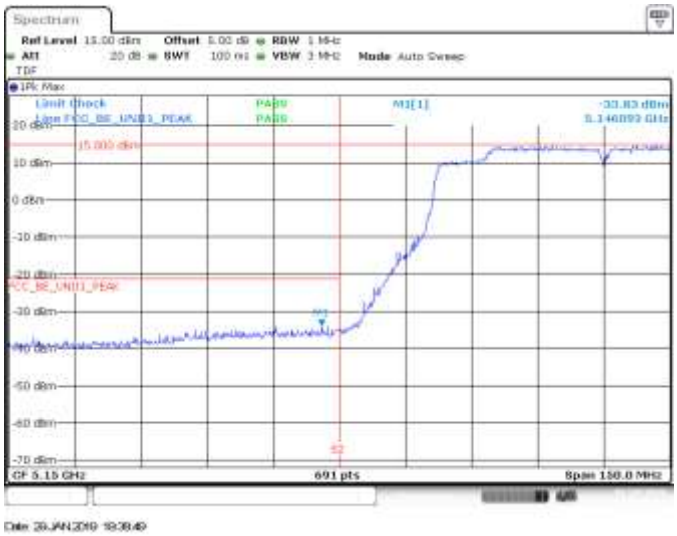
SISO B, 802.11ac80, VHT0, CH42, BE Low, RMS



MIMO A, 802.11ac80, VHT0, CH42, BE Low, Peak

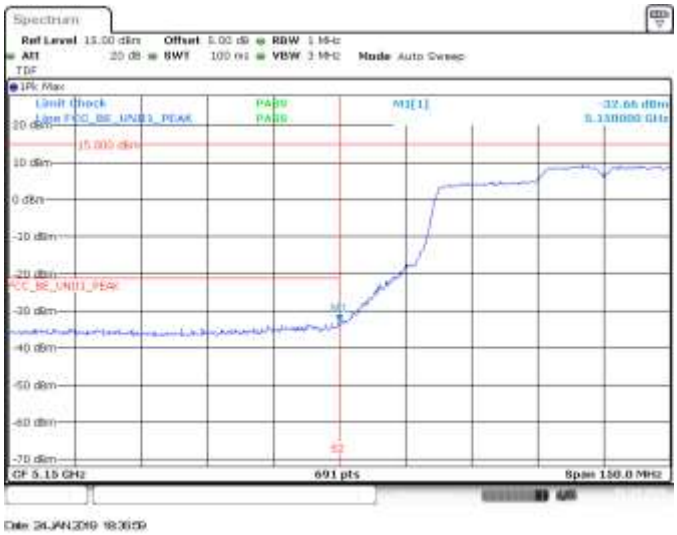


MIMO A, 802.11ac80, VHT0, CH42, BE Low, RMS

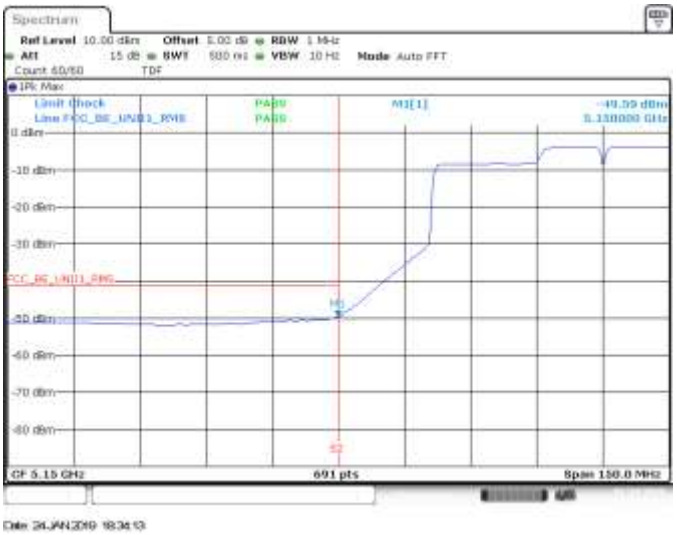


MIMO B, 802.11ac80, VHT0, CH42, BE Low, Peak

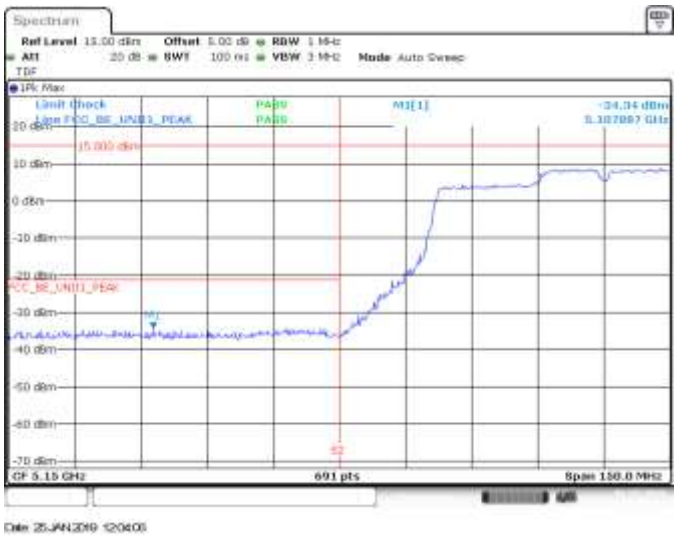
MIMO B, 802.11ac80, VHT0, CH42, BE Low, RMS



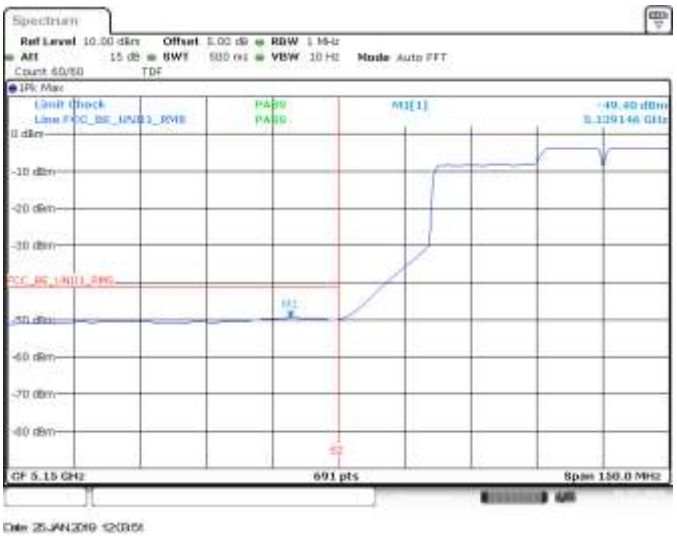
SISO A, 802.11ac160, VHT0, CH50, BE Low, Peak



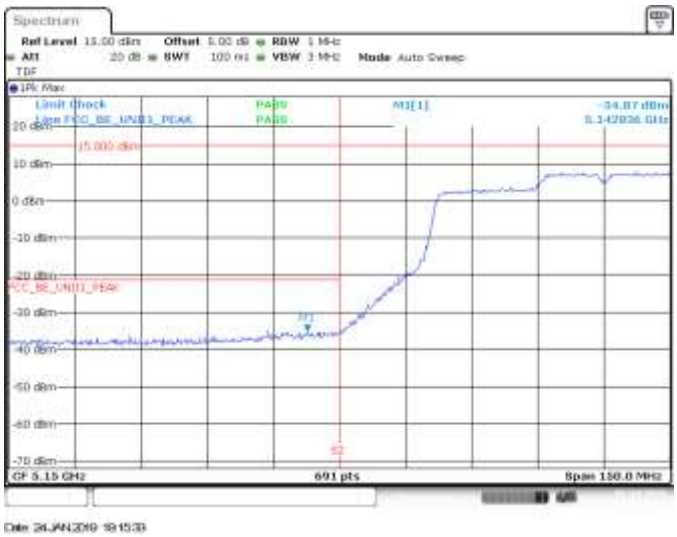
SISO A, 802.11ac160, VHT0, CH50, BE Low, RMS



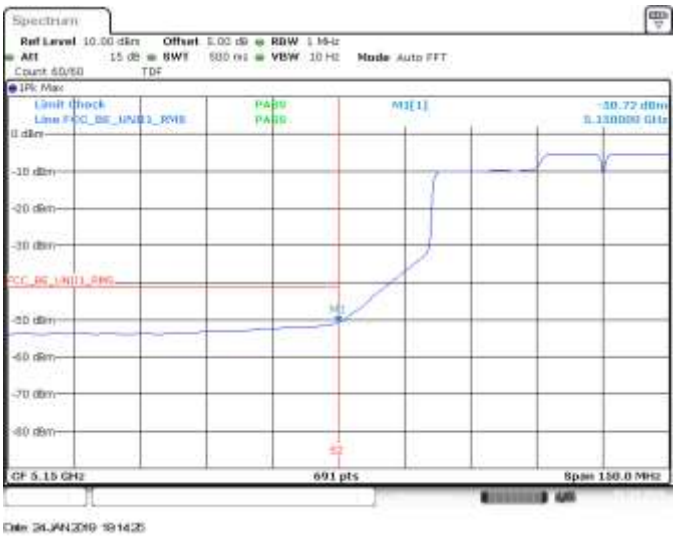
SISO B, 802.11ac160, VHT0, CH50, BE Low, Peak



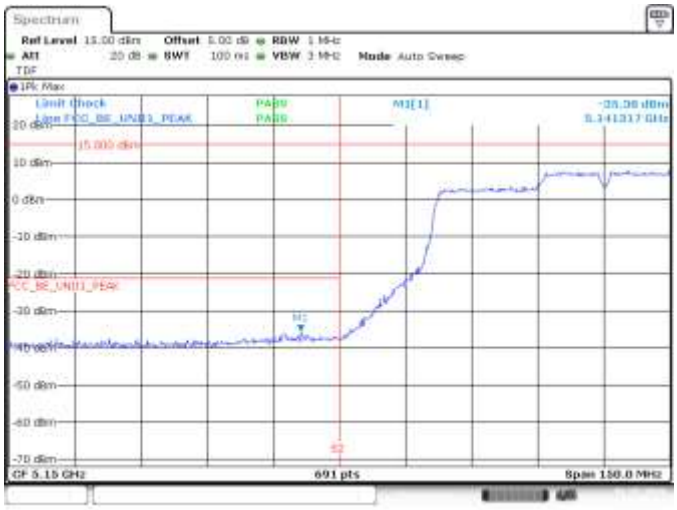
SISO B, 802.11ac160, VHT0, CH50, BE Low, RMS



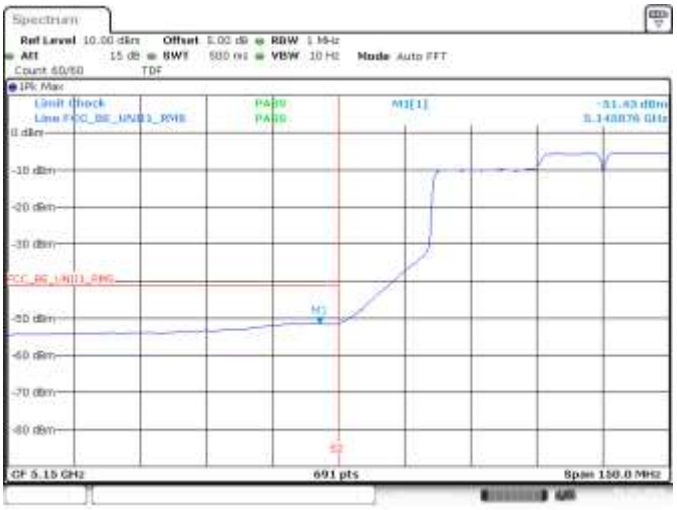
MIMO A, 802.11ac160, VHT0, CH50, BE Low, Peak



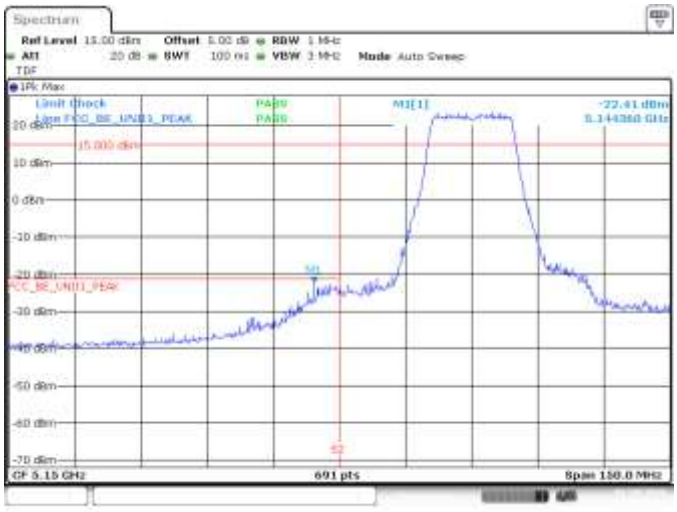
MIMO A, 802.11ac160, VHT0, CH50, BE Low, RMS



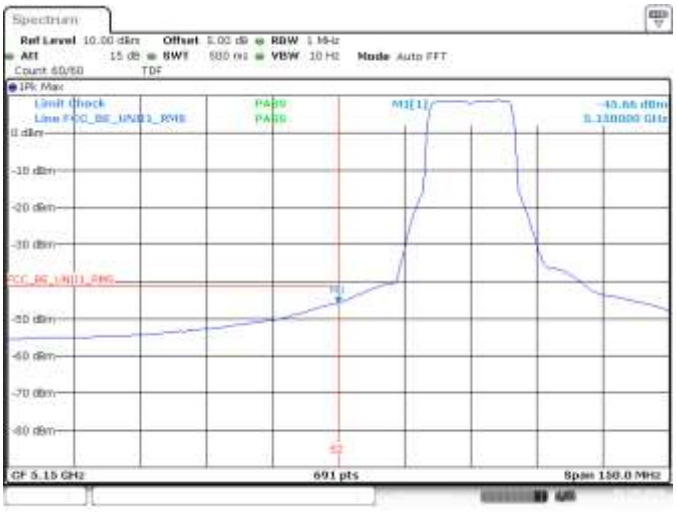
MIMO B, 802.11ac160, VHT0, CH50, BE Low, Peak



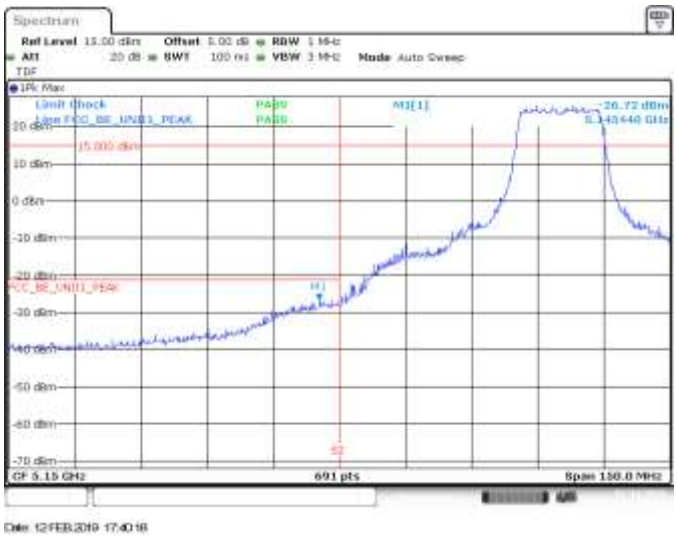
MIMO B, 802.11ac160, VHT0, CH50, BE Low, RMS



SISO A, 802.11ax20, HE0, CH36, BE Low, Peak

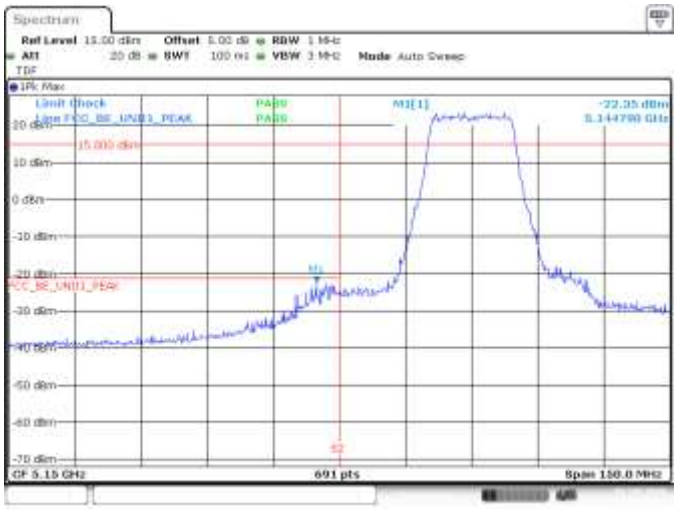


SISO A, 802.11ax20, HE0, CH36, BE Low, RMS

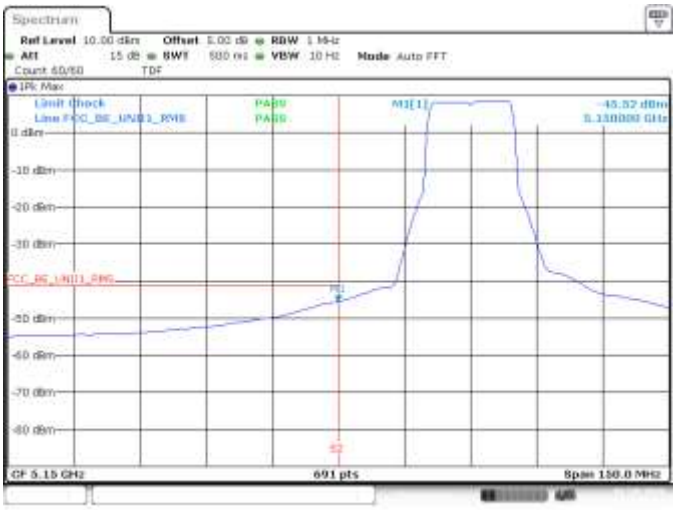


SISO A, 802.11ax20, HE0, CH40, BE Low, Peak

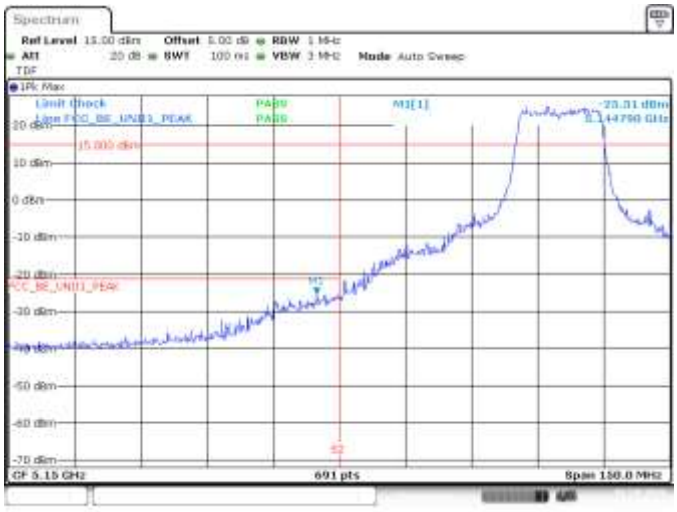
SISO A, 802.11ax20, HE0, CH40, BE Low, RMS



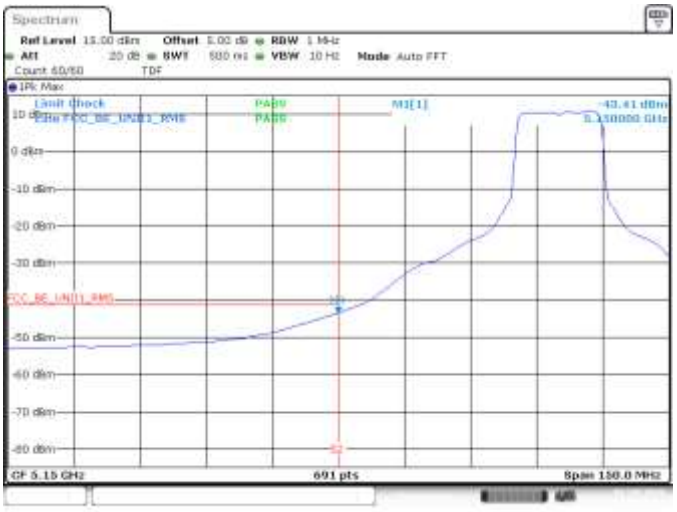
SISO B, 802.11ax20, HE0, CH36, BE Low, Peak



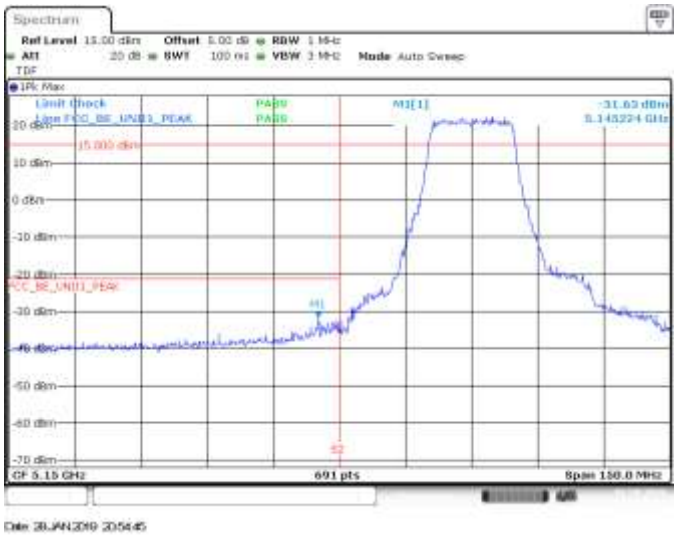
SISO B, 802.11ax20, HE0, CH36, BE Low, RMS



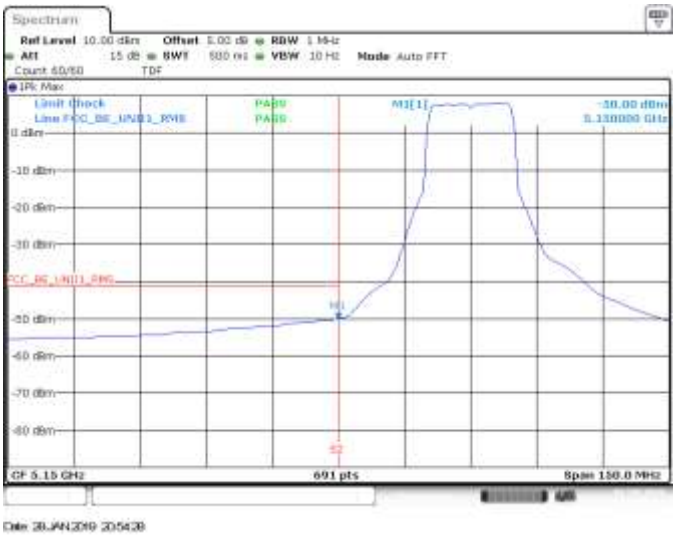
SISO B, 802.11ax20, HE0, CH40, BE Low, Peak



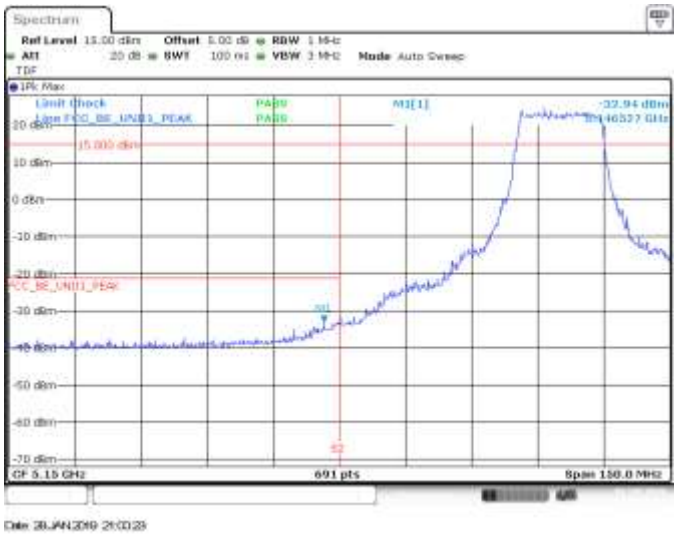
SISO B, 802.11ax20, HE0, CH40, BE Low, RMS



MIMO A, 802.11ax20, HE0, CH36, BE Low, Peak

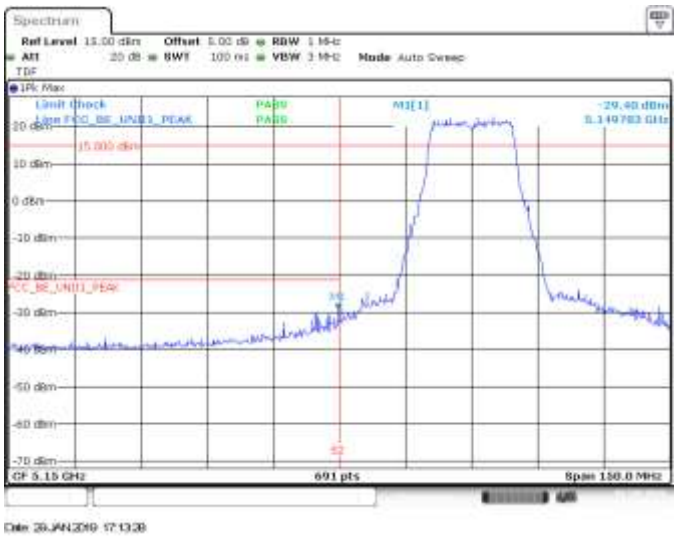


MIMO A, 802.11ax20, HE0, CH36, BE Low, RMS

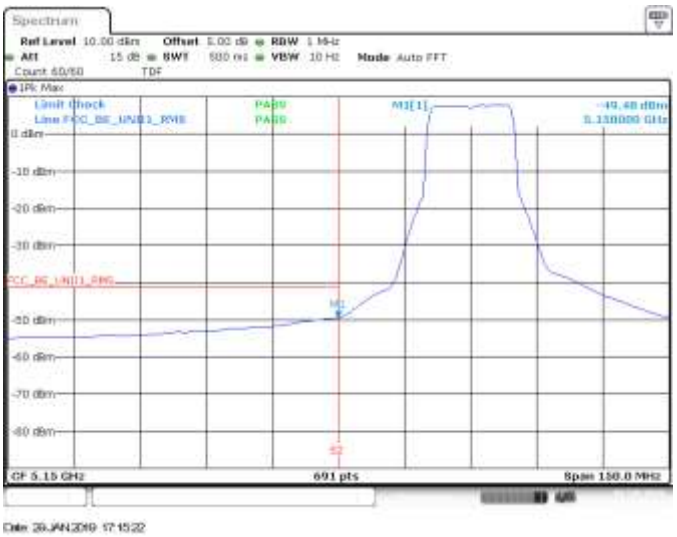


MIMO A, 802.11ax20, HE0, CH40, BE Low, Peak

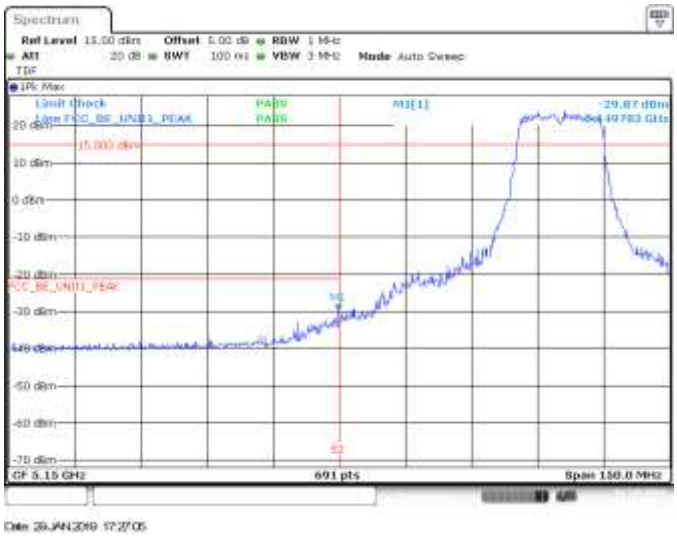
MIMO A, 802.11ax20, HE0, CH40, BE Low, RMS



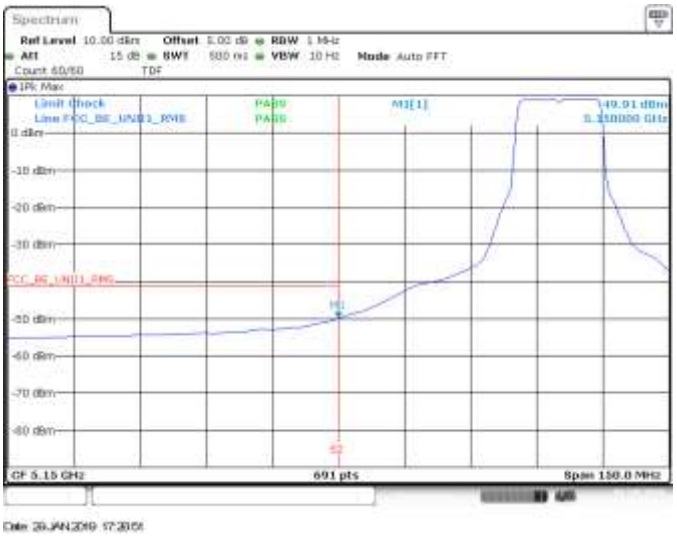
MIMO B, 802.11ax20, HE0, CH36, BE Low, Peak



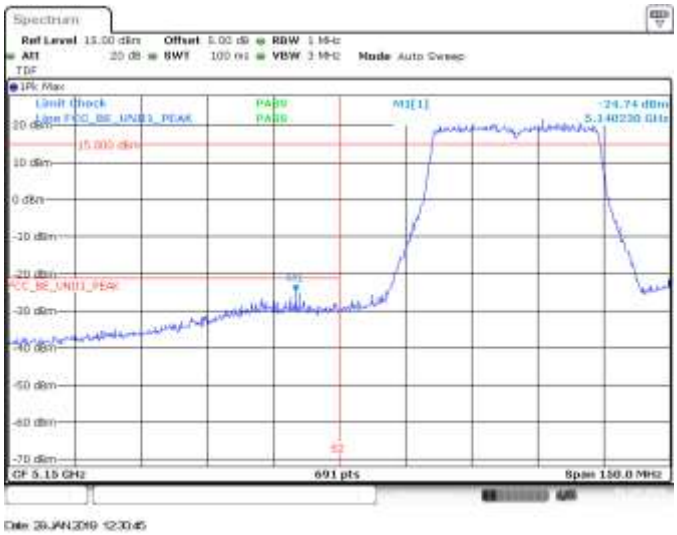
MIMO B, 802.11ax20, HE0, CH36, BE Low, RMS



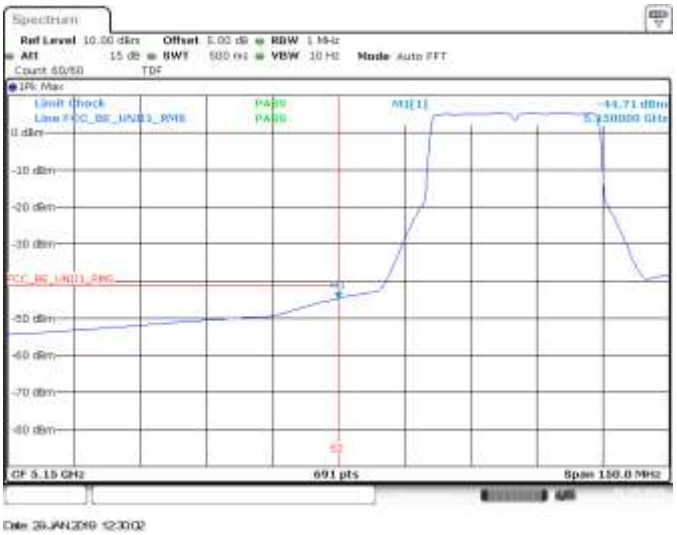
MIMO B, 802.11ax20, HE0, CH40, BE Low, Peak



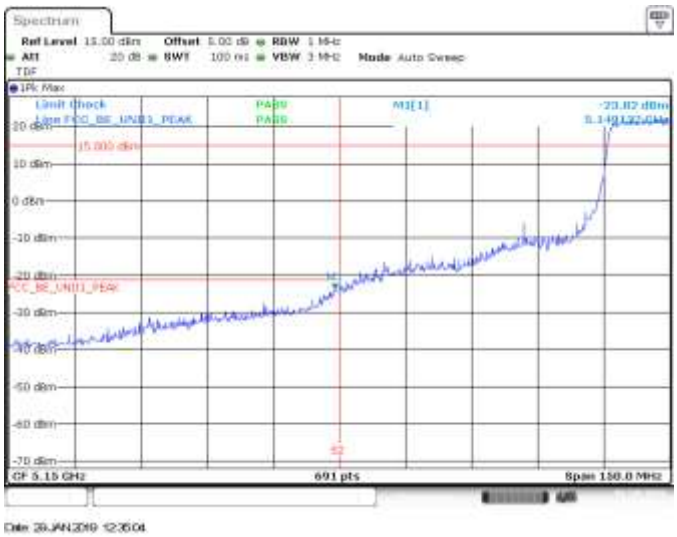
MIMO B, 802.11ax20, HE0, CH40, BE Low, RMS



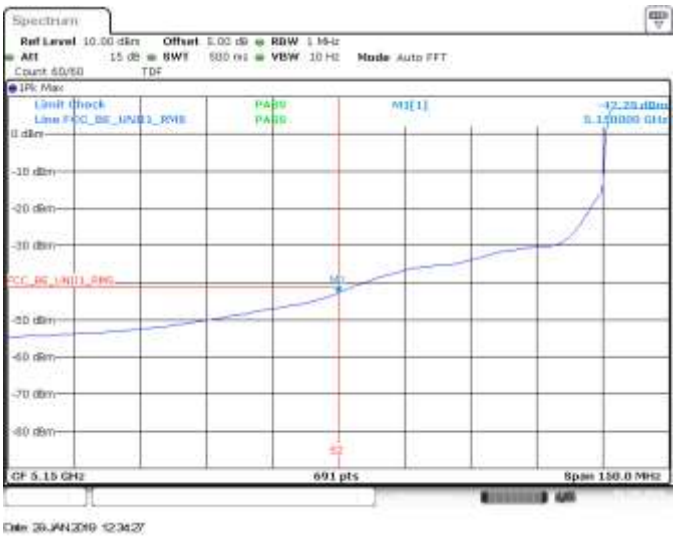
SISO A, 802.11ax40, HE0, CH38, BE Low, Peak



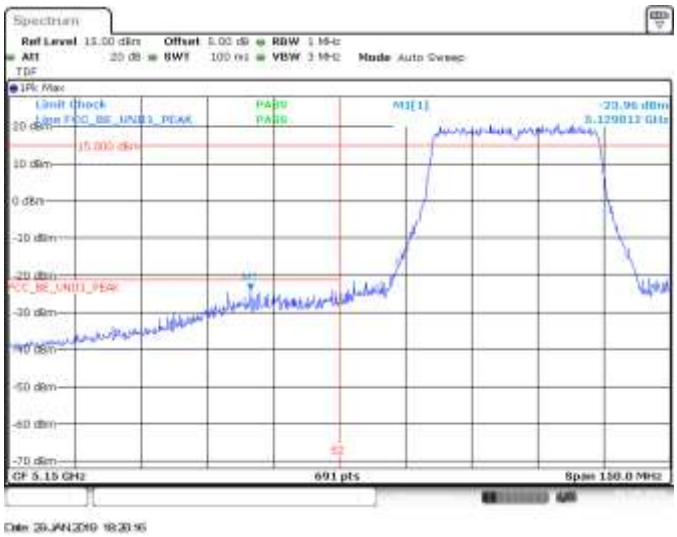
SISO A, 802.11ax40, HE0, CH38, BE Low, RMS



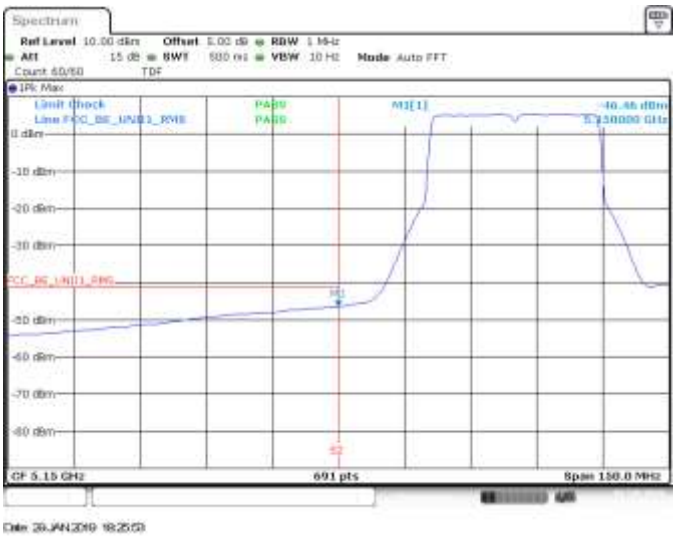
SISO A, 802.11ax40, HE0, CH46, BE Low, Peak



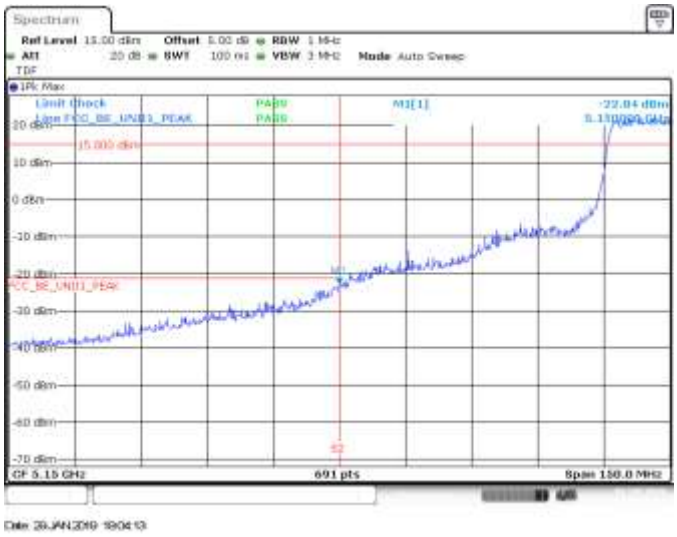
SISO A, 802.11ax40, HE0, CH46, BE Low, RMS



SISO B, 802.11ax40, HE0, CH38, BE Low, Peak

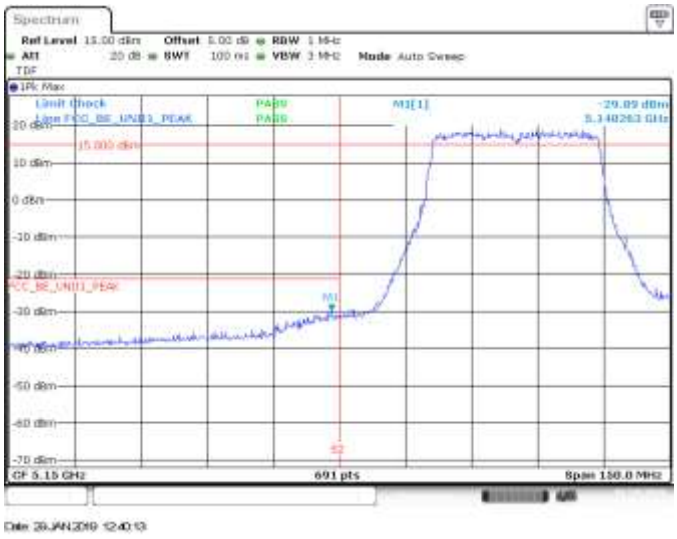


SISO B, 802.11ax40, HE0, CH38, BE Low, RMS

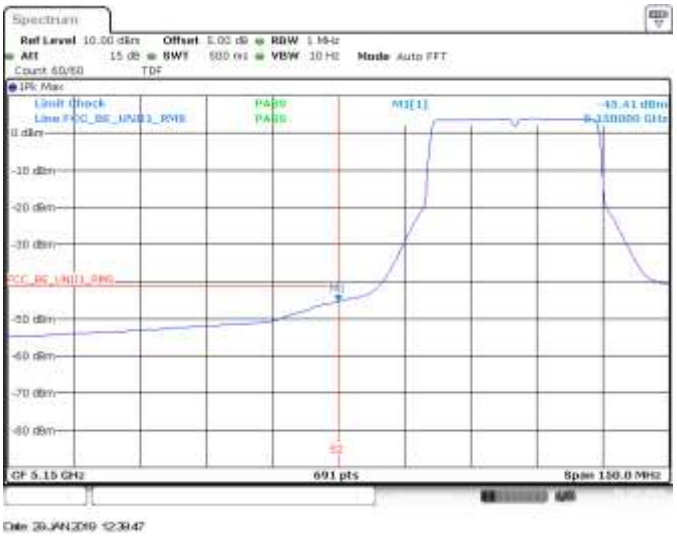


SISO B, 802.11ax40, HE0, CH46, BE Low, Peak

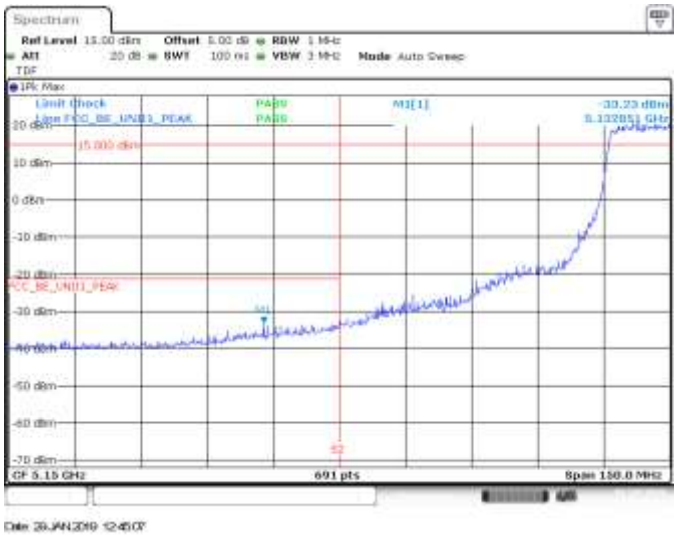
SISO B, 802.11ax40, HE0, CH46, BE Low, RMS



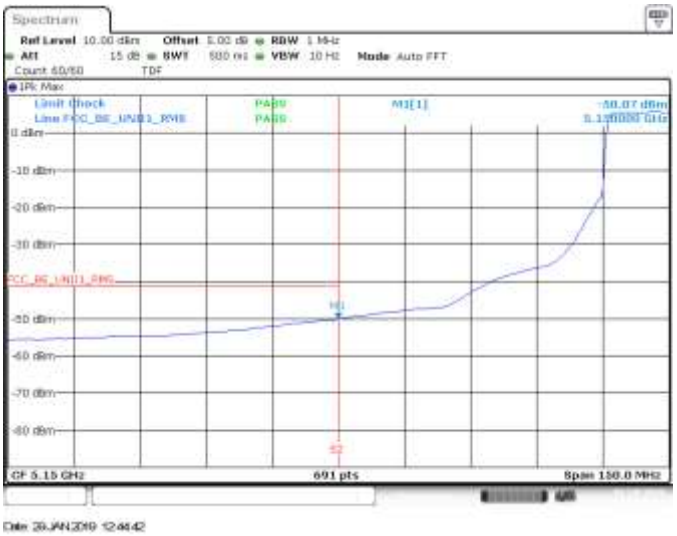
MIMO A, 802.11ax40, HE0, CH38, BE Low, Peak



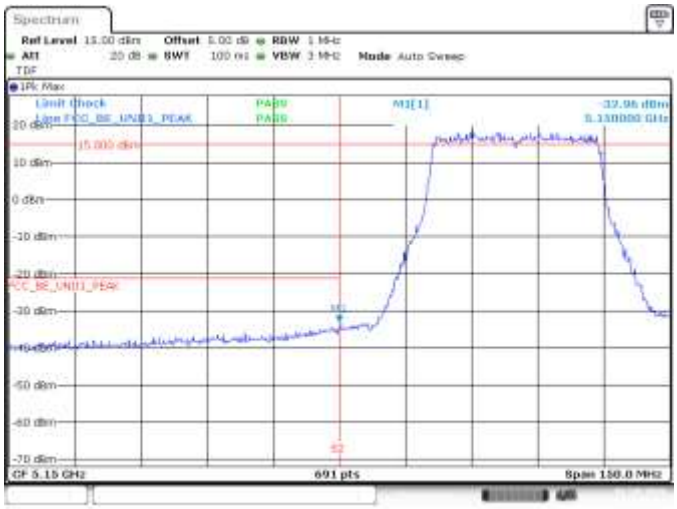
MIMO A, 802.11ax40, HE0, CH38, BE Low, RMS



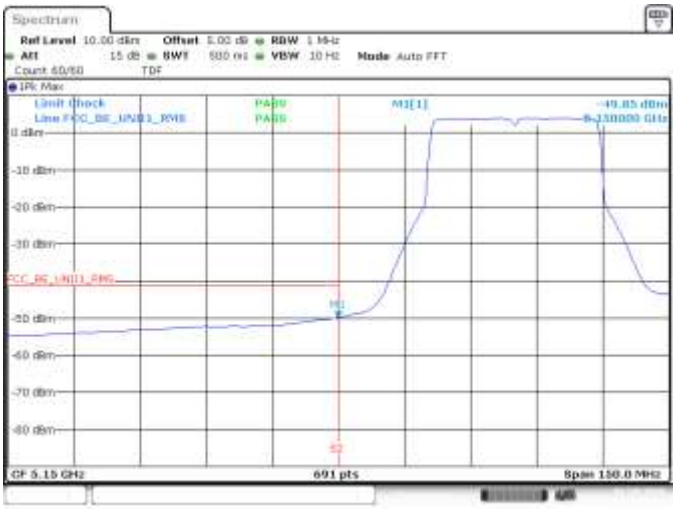
MIMO A, 802.11ax40, HE0, CH46, BE Low, Peak



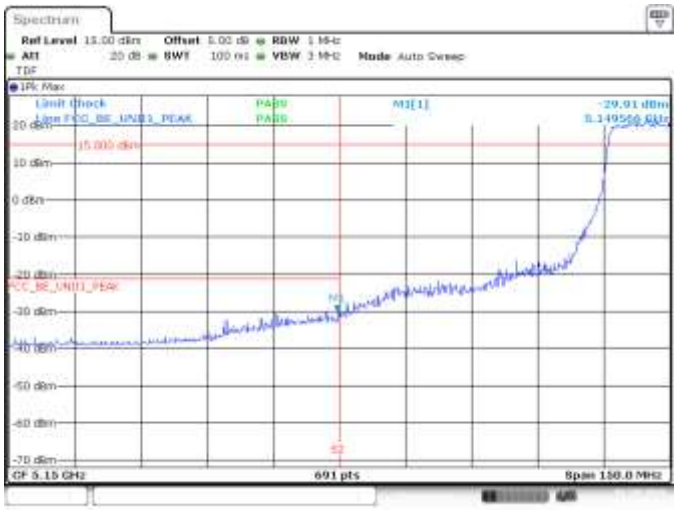
MIMO A, 802.11ax40, HE0, CH46, BE Low, RMS



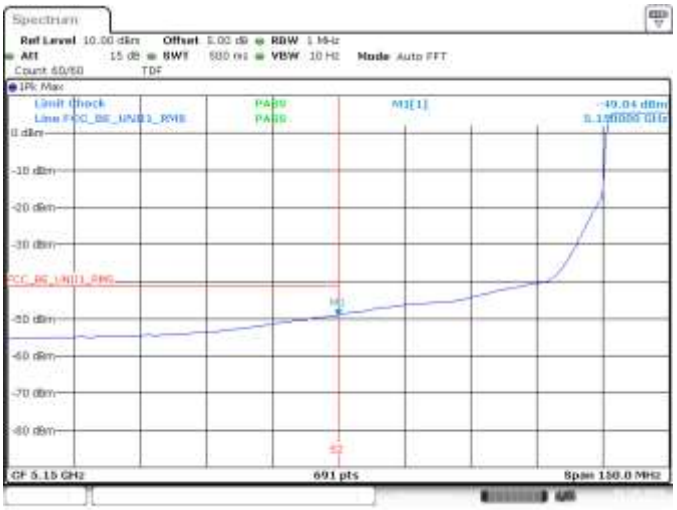
MIMO B, 802.11ax40, HE0, CH38, BE Low, Peak



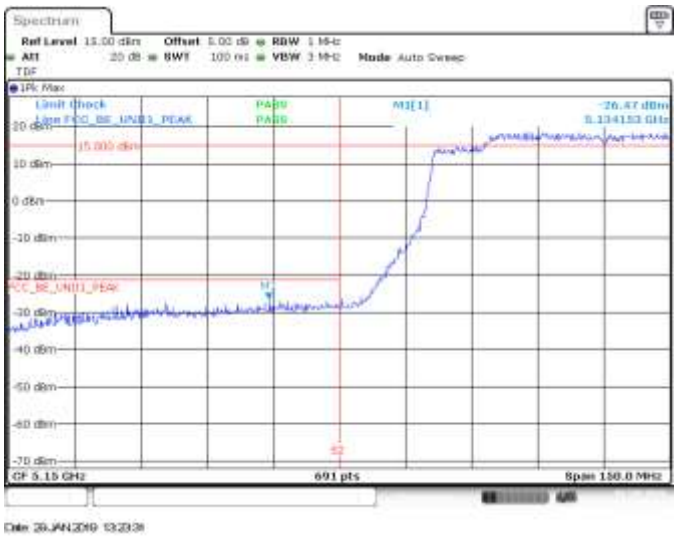
MIMO B, 802.11ax40, HE0, CH38, BE Low, RMS



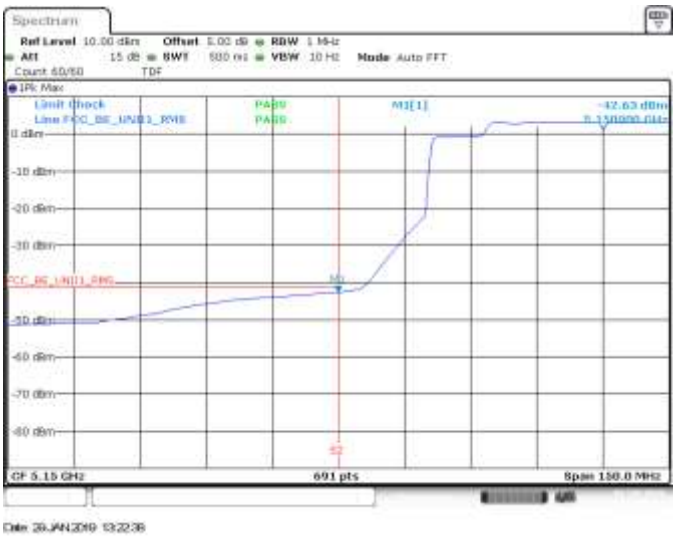
MIMO B, 802.11ax40, HE0, CH46, BE Low, Peak



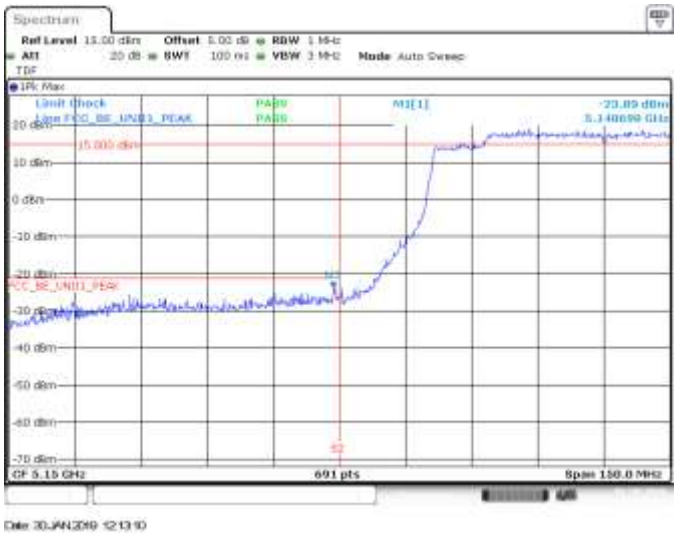
MIMO B, 802.11ax40, HE0, CH46, BE Low, RMS



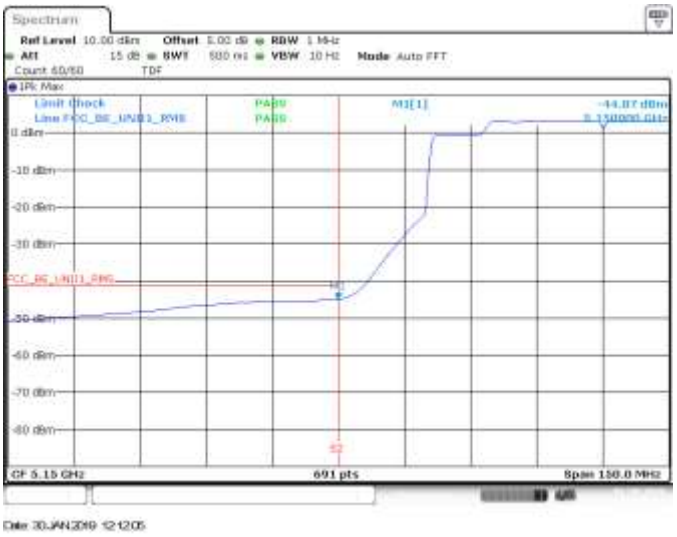
SISO A, 802.11ax80, HE0, CH42, BE Low, Peak



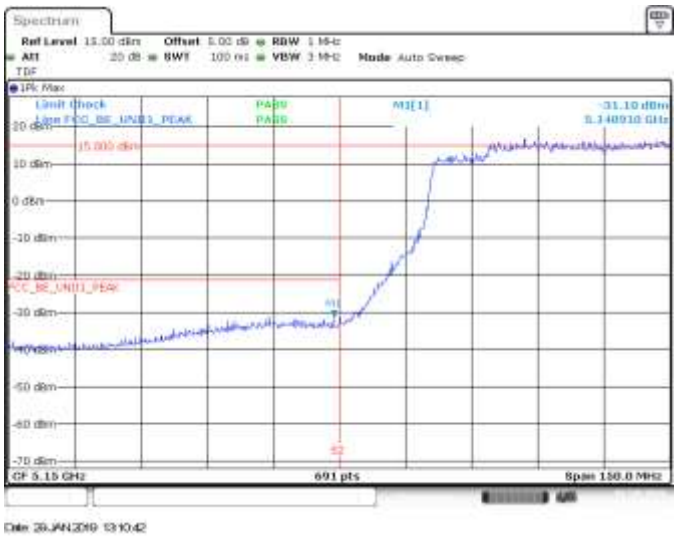
SISO A, 802.11ax80, HE0, CH42, BE Low, RMS



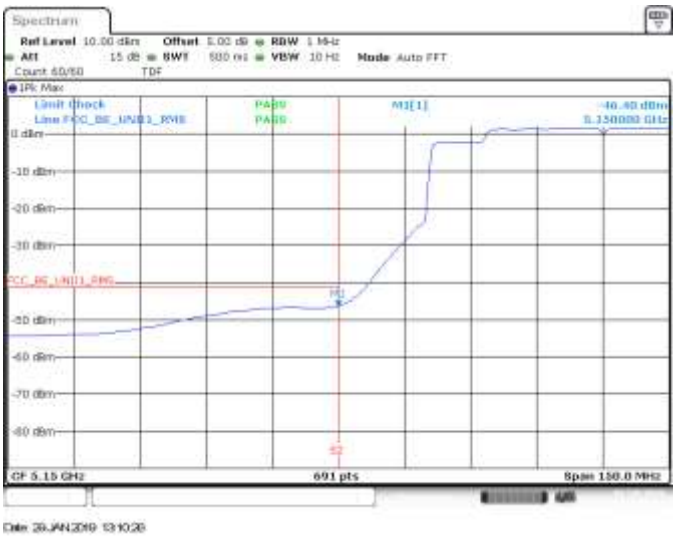
SISO B, 802.11ax80, HE0, CH42, BE Low, Peak



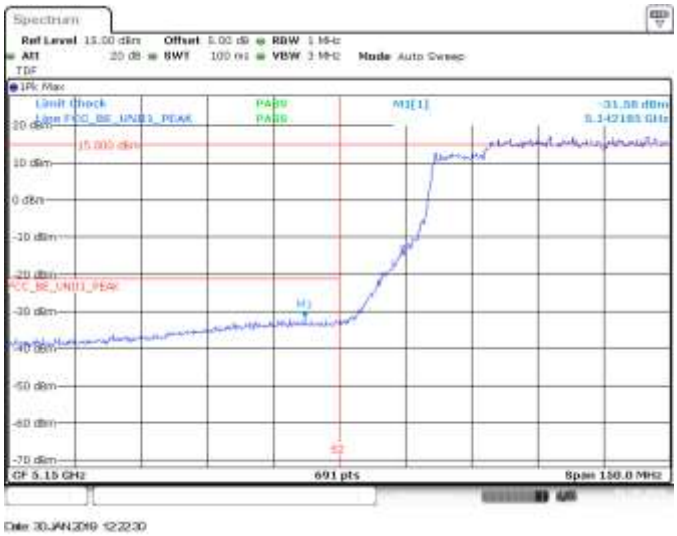
SISO B, 802.11ax80, HE0, CH42, BE Low, RMS



MIMO A, 802.11ax80, HE0, CH42, BE Low, Peak

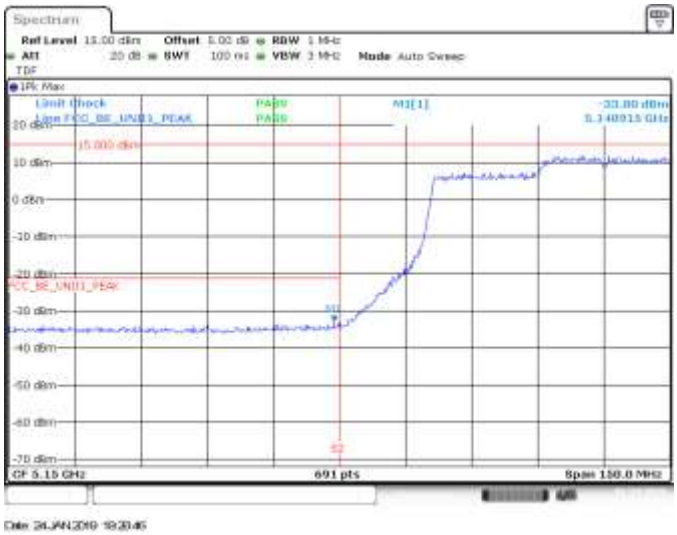


MIMO A, 802.11ax80, HE0, CH42, BE Low, RMS

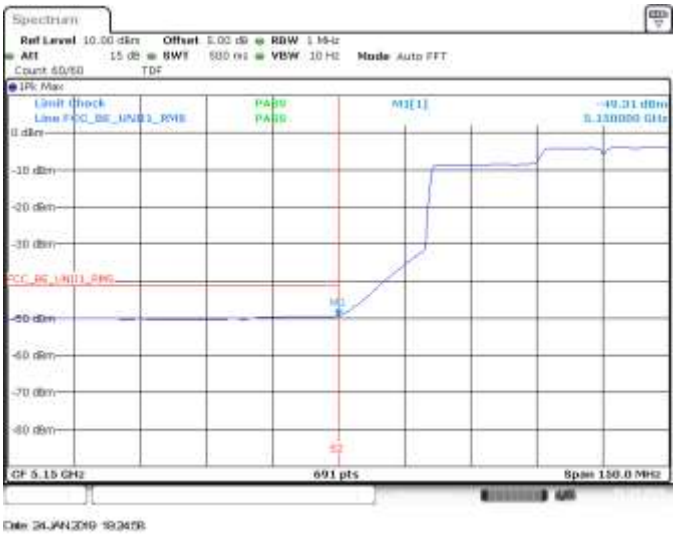


MIMO B, 802.11ax80, HE0, CH42, BE Low, Peak

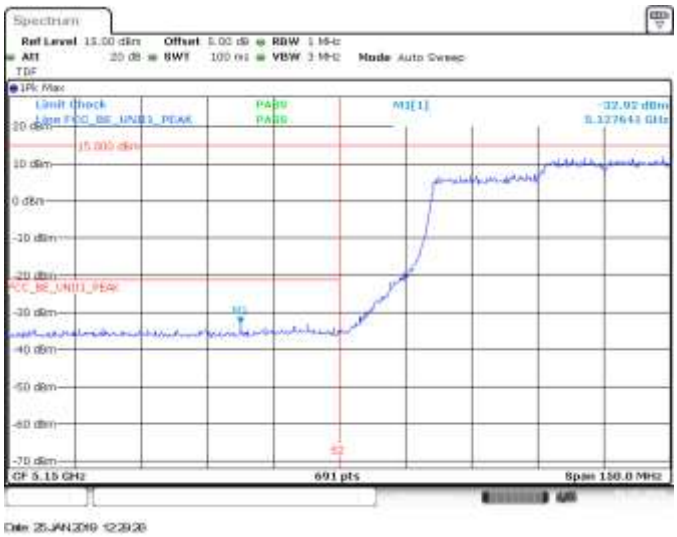
MIMO B, 802.11ax80, HE0, CH42, BE Low, RMS



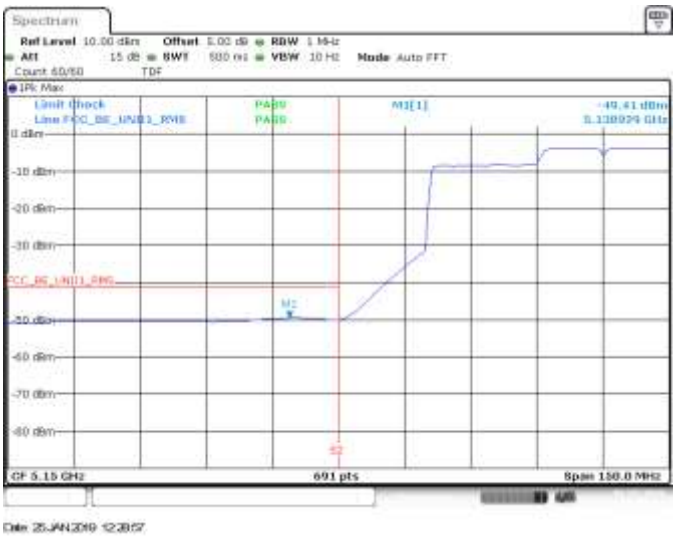
SISO A, 802.11ax160, HE0, CH50, BE Low, Peak



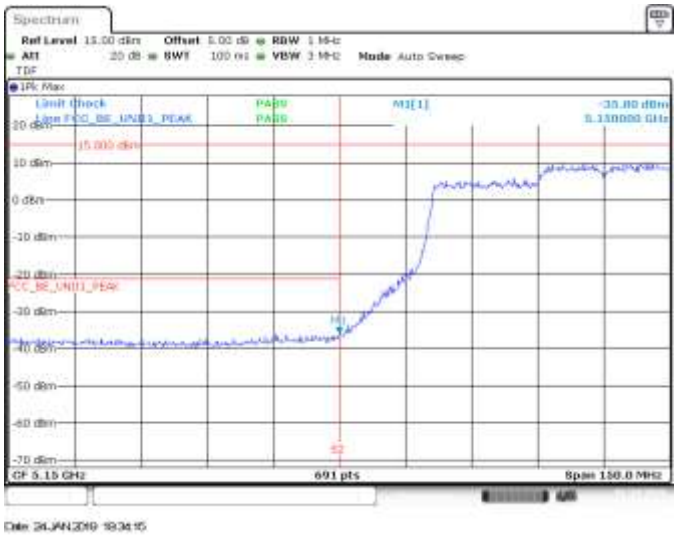
SISO A, 802.11ax160, HE0, CH50, BE Low, RMS



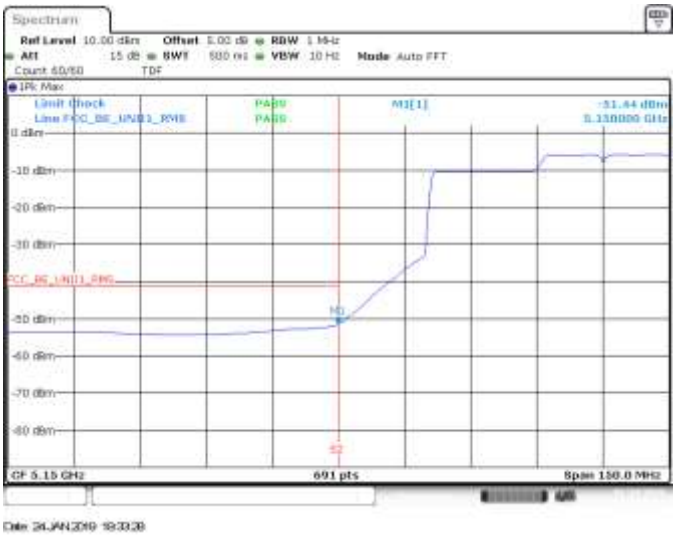
SISO B, 802.11ax160, HE0, CH50, BE Low, Peak



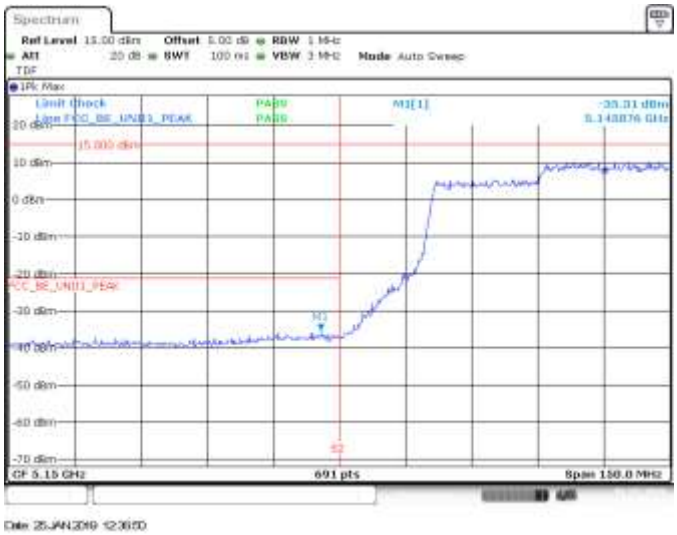
SISO B, 802.11ax160, HE0, CH50, BE Low, RMS



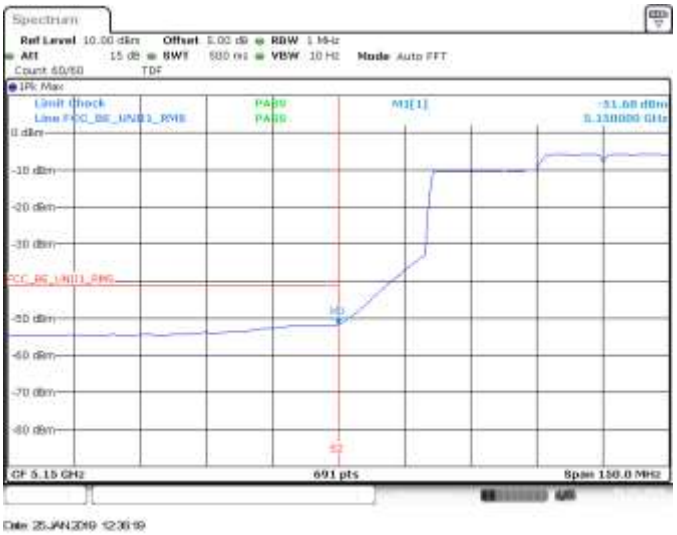
MIMO A, 802.11ax160, HE0, CH50, BE Low, Peak



MIMO A, 802.11ax160, HE0, CH50, BE Low, RMS



MIMO B, 802.11ax160, HE0, CH50, BE Low, Peak

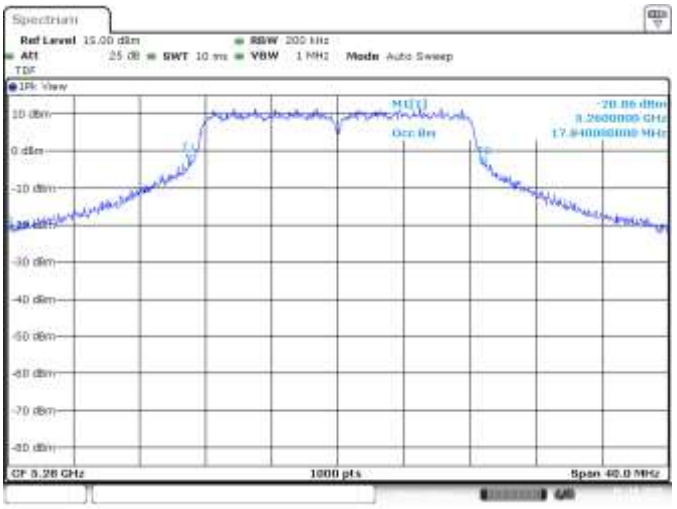


MIMO B, 802.11ax160, HE0, CH50, BE Low, RMS

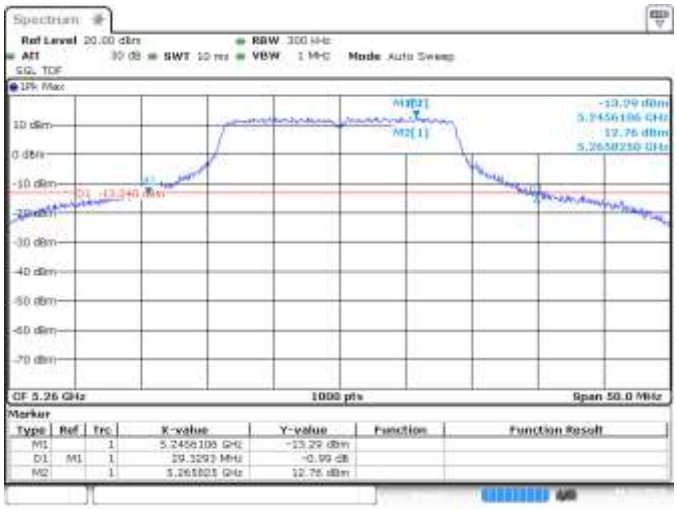
B.5 Test Results Screenshot U-NII-2A

B.5.1 26dB & 99% Bandwidth

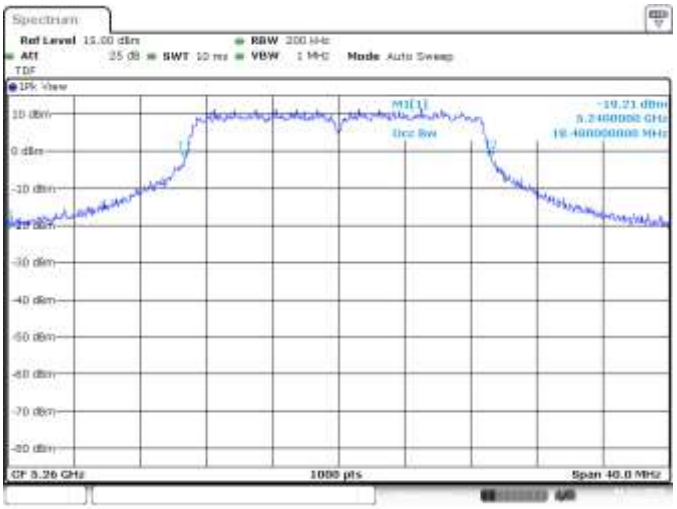
SISO A, CH56, 802.11a, 6Mbps, 26dB BW



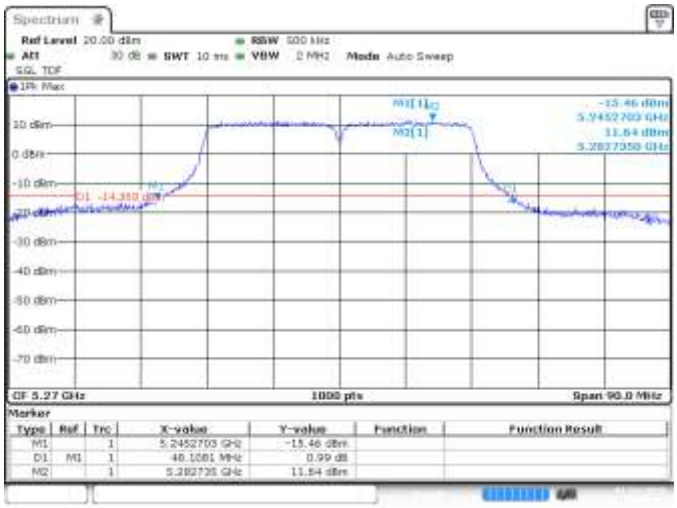
SISO A, CH56, 802.11a, 6Mbps, 99% BW



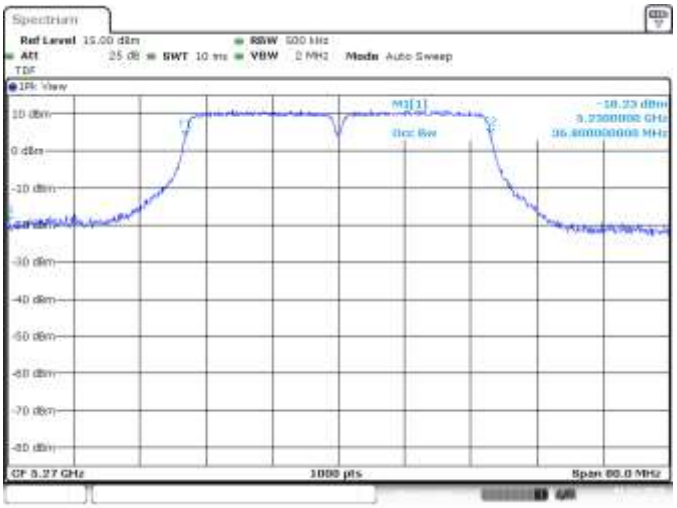
SISO B, CH52, 802.11n20, HT0, 26dB BW



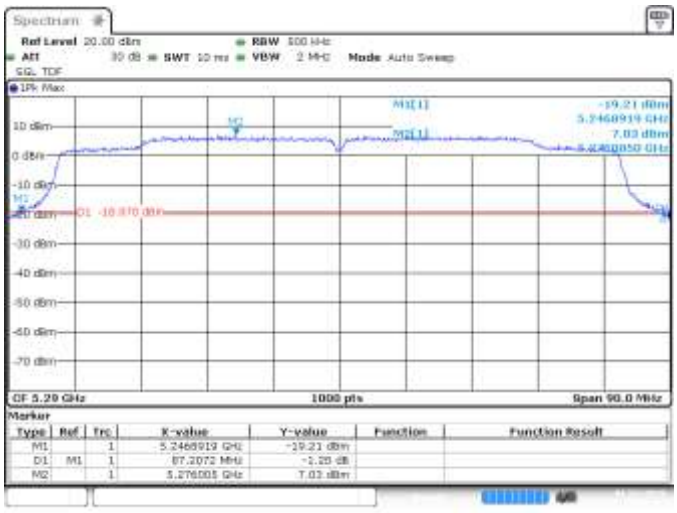
SISO B, CH52, 802.11n20, HT0, 99% BW



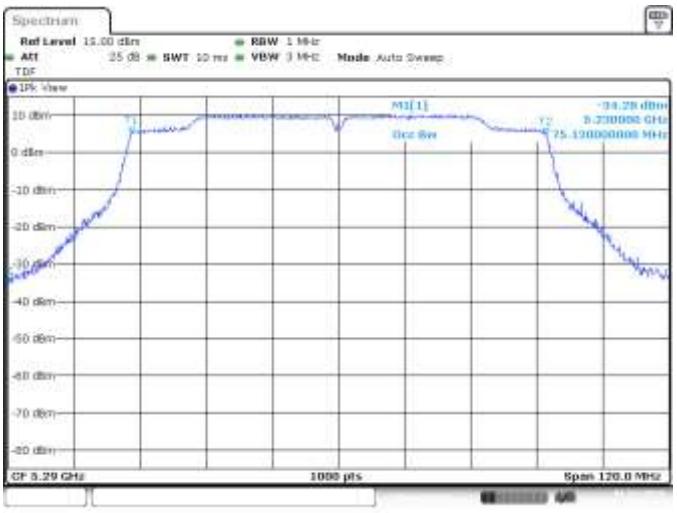
SISO B, CH54, 802.11n40, HT0, 26dB BW



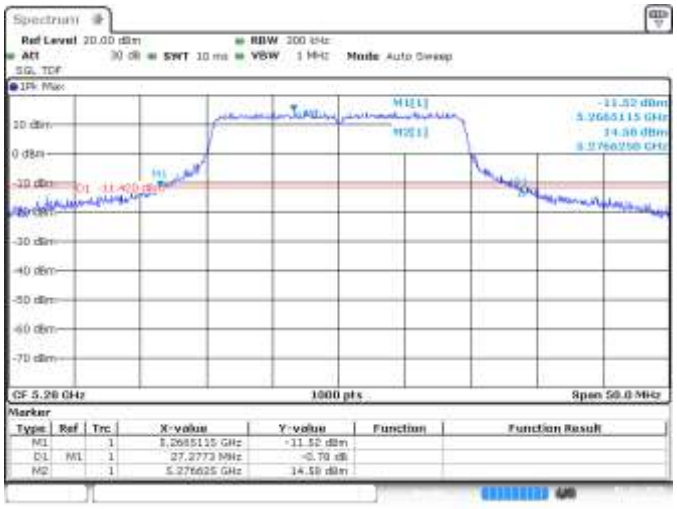
SISO B, CH54, 802.11n40, HT0, 99% BW



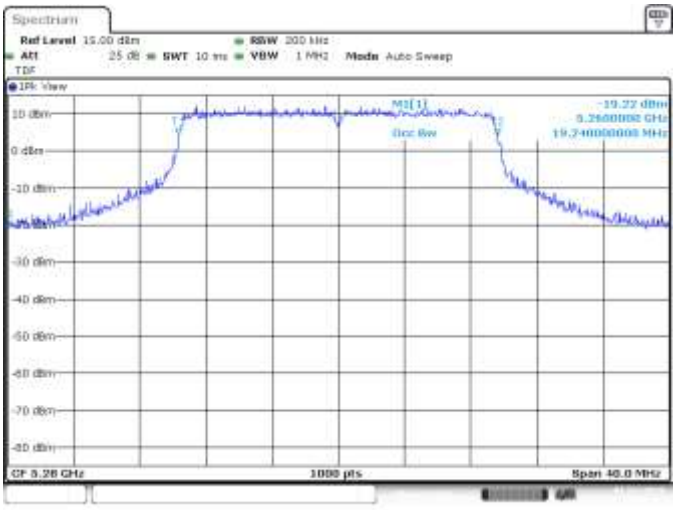
SISO A, CH58, 802.11ac80, VHT0, 26dB BW



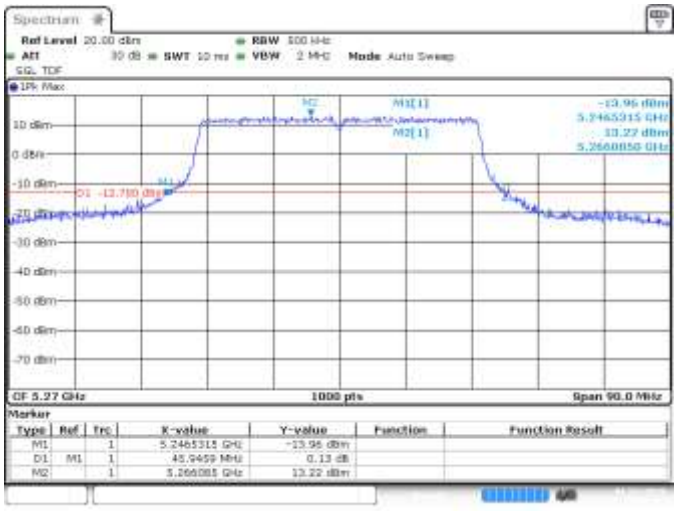
SISO A, CH58, 802.11ac80, VHT0, 99% BW



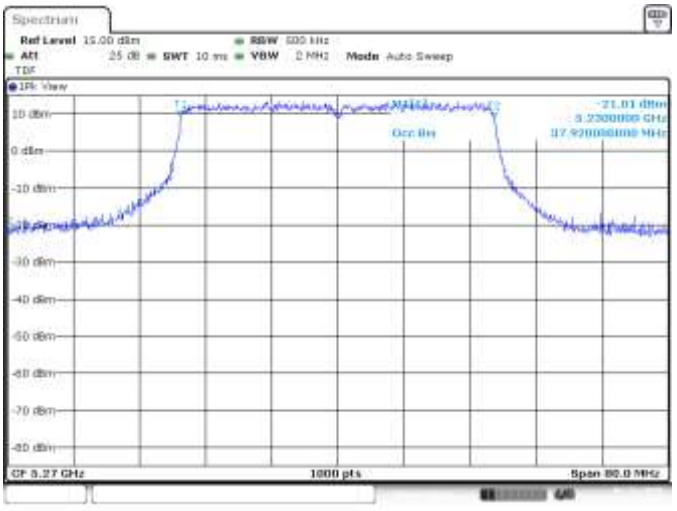
SISO B, CH56, 802.11ax20, HE0, 26dB BW



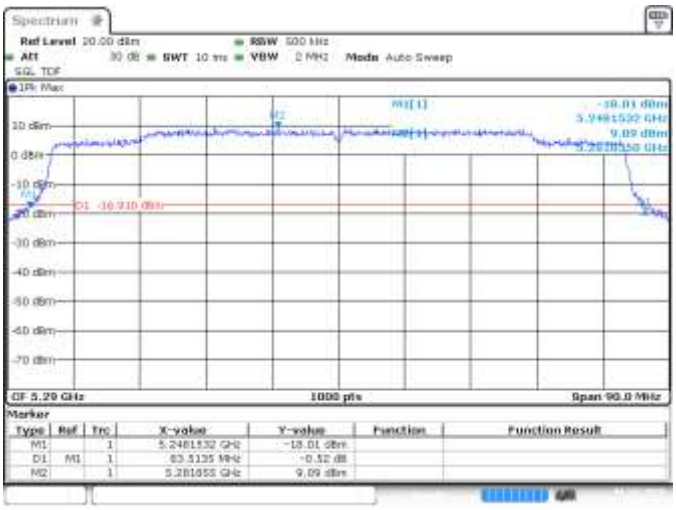
SISO B, CH56, 802.11ax20, HE0, 99% BW



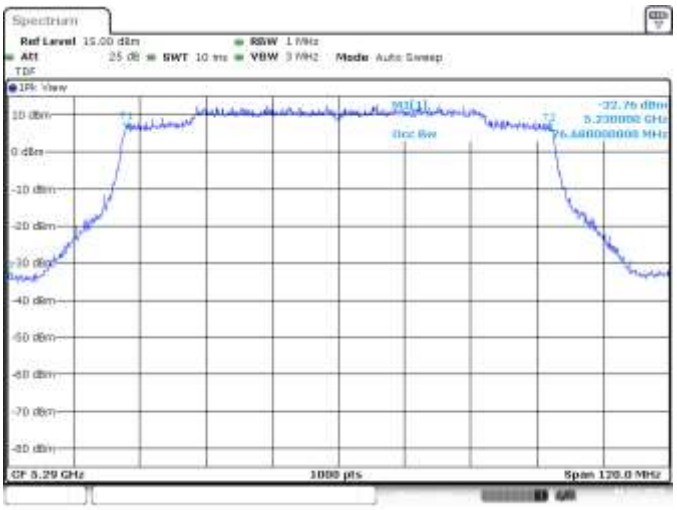
SISO A, CH54, 802.11ax40, HE0, 26dB BW



SISO A, CH54, 802.11ax40, HE0, 99% BW

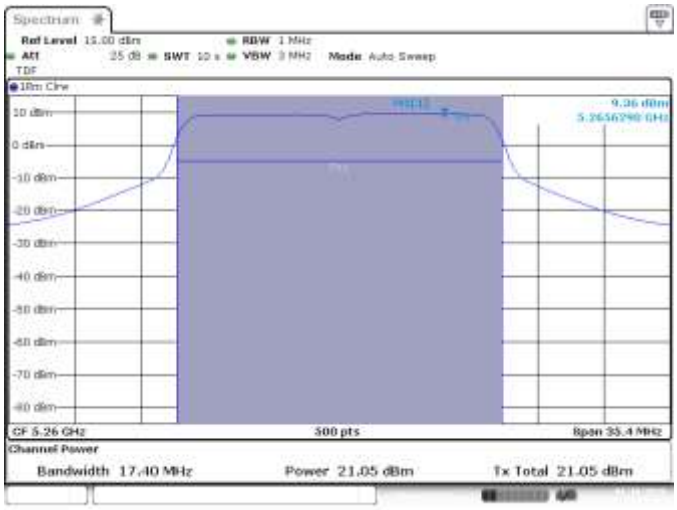


SISO B, CH58, 802.11ax80, HE0, 26dB BW

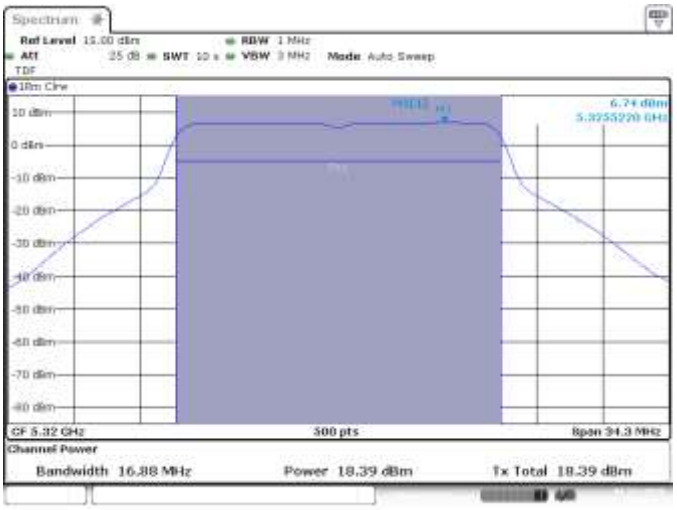


SISO B, CH58, 802.11ax80, HE0, 99% BW

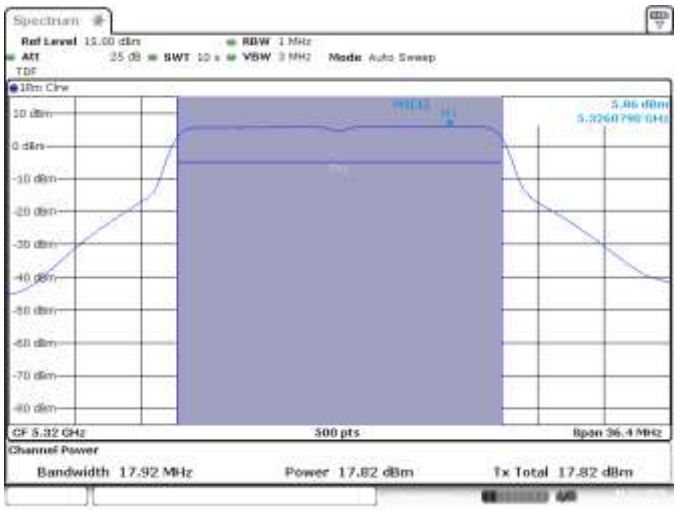
B.5.2 Power Limits. Maximum Output power & Maximum power spectral density



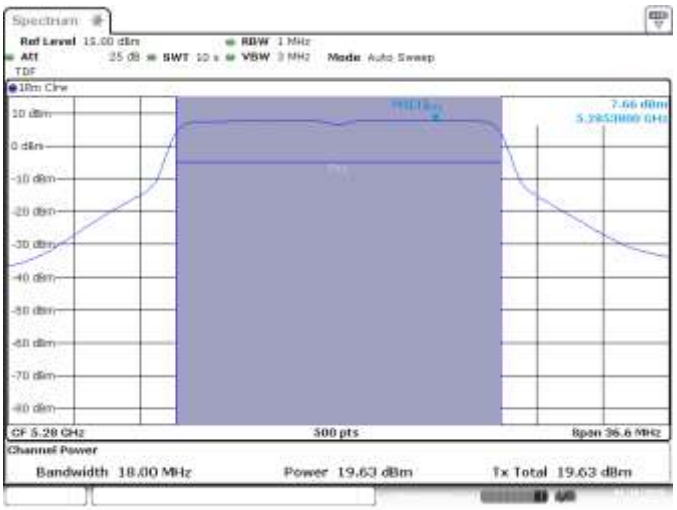
SISO A, CH52, 802.11a, 6Mbps



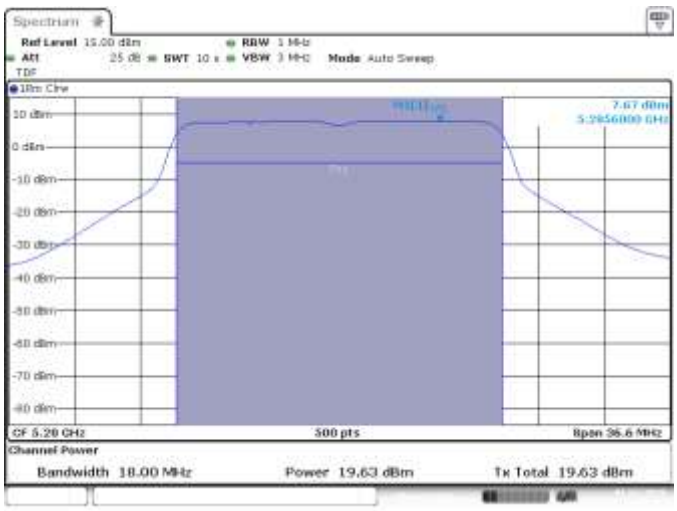
SISO B, CH64, 802.11a, 6Mbps



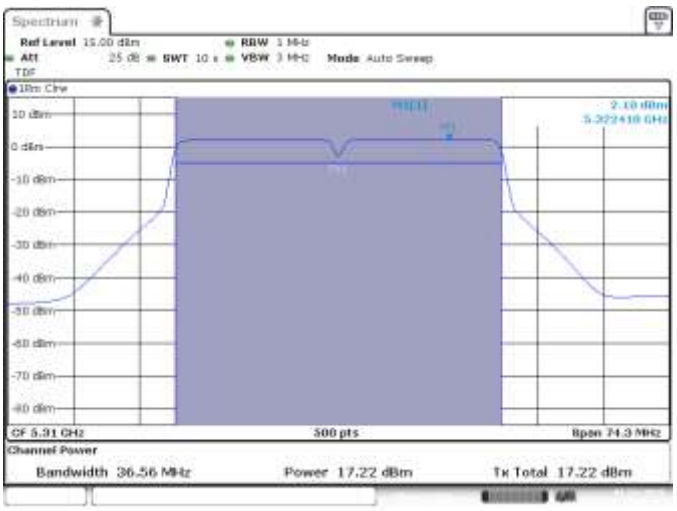
SISO B, 802.11n20,CH64, HT0



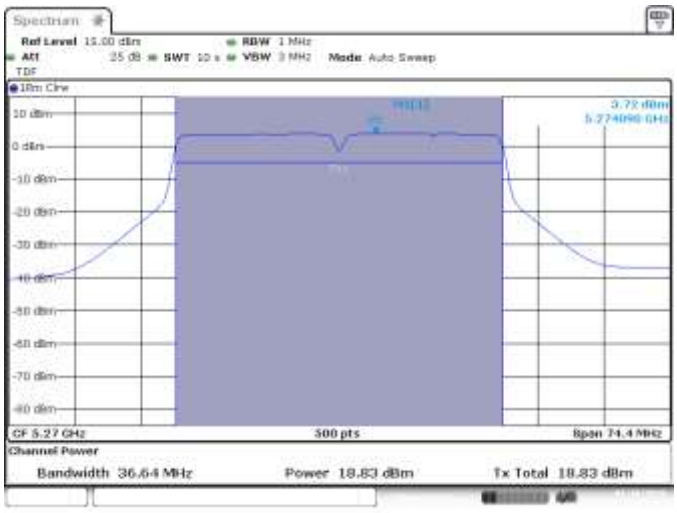
MIMO A, CH56, 802.11n20, HT8



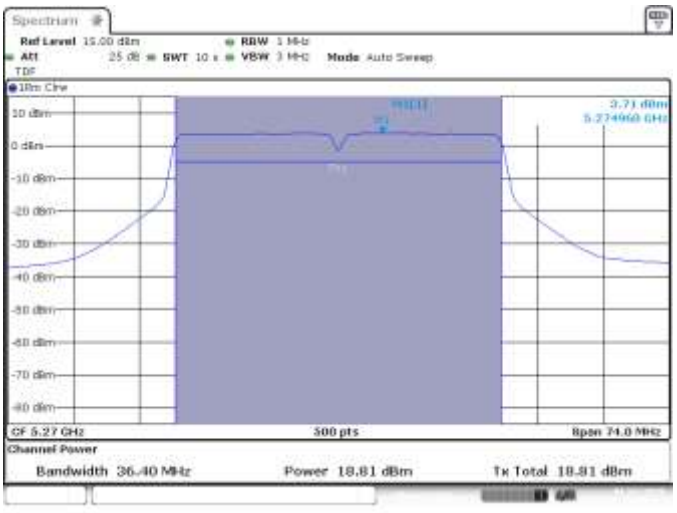
MIMO B, CH56, 802.11n20, HT8



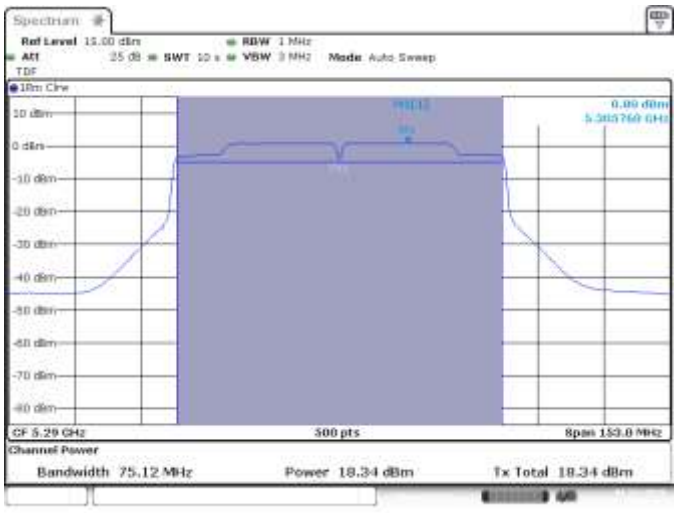
SISO B, CH62, 802.11n40, HT0



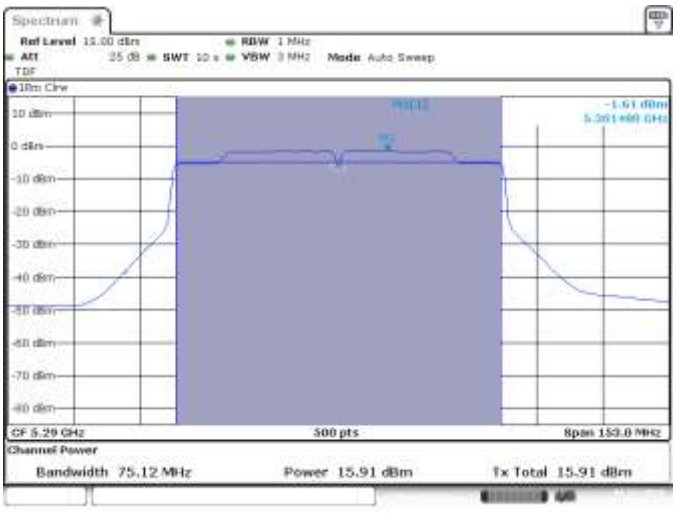
MIMO A, CH54, 802.11n40, HT8



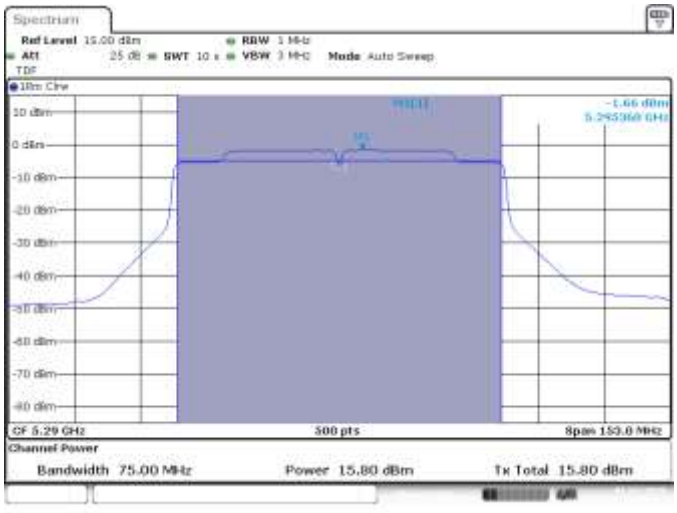
MIMO B, CH54, 802.11n40, HT8



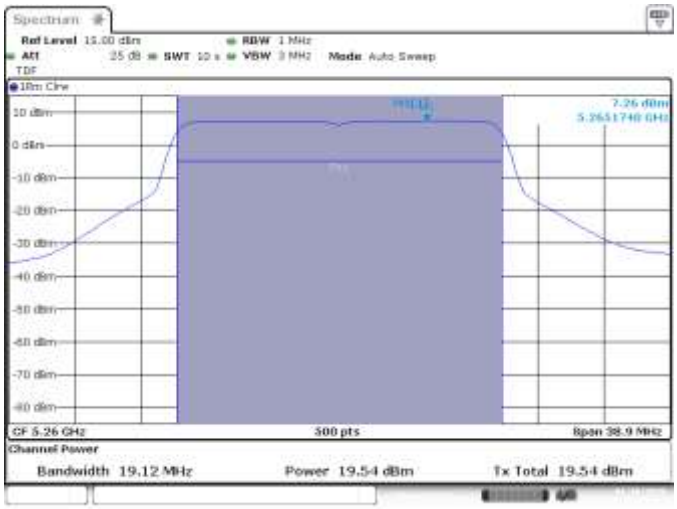
SISO A, 802.11ac80,CH58, VHT0



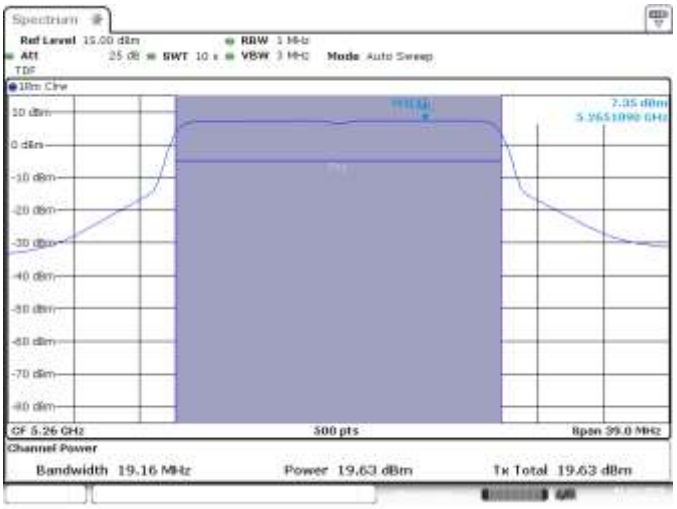
MIMO A, 802.11ac80,CH58, VHT0



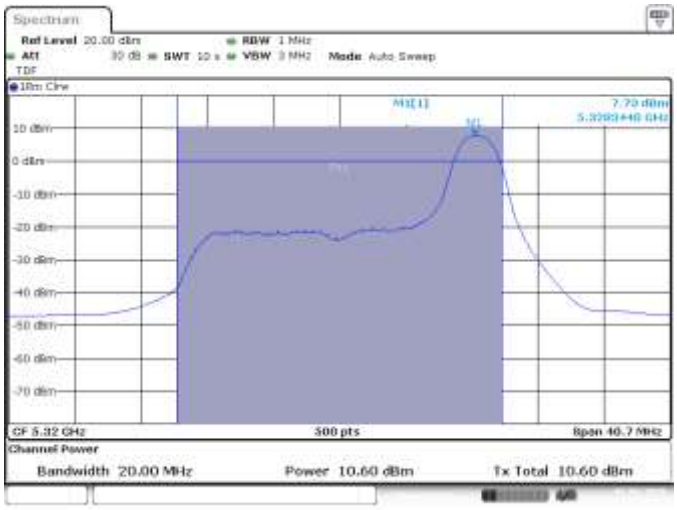
MIMO B, 802.11ac80,CH58, VHT0



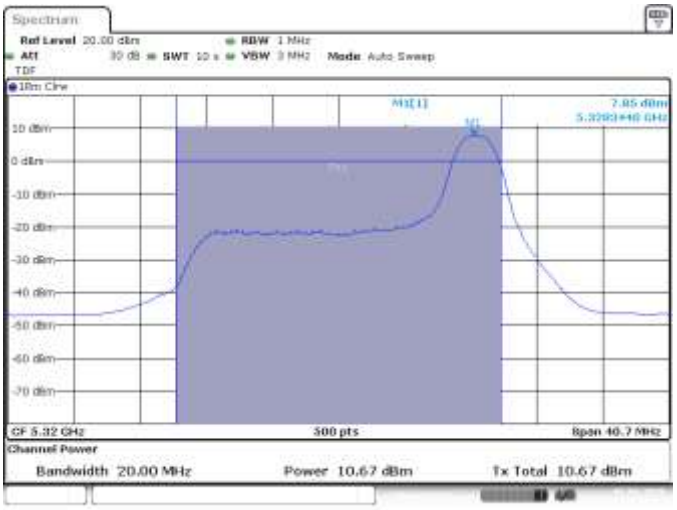
MIMO A, CH52, 802.11ax20, HE0



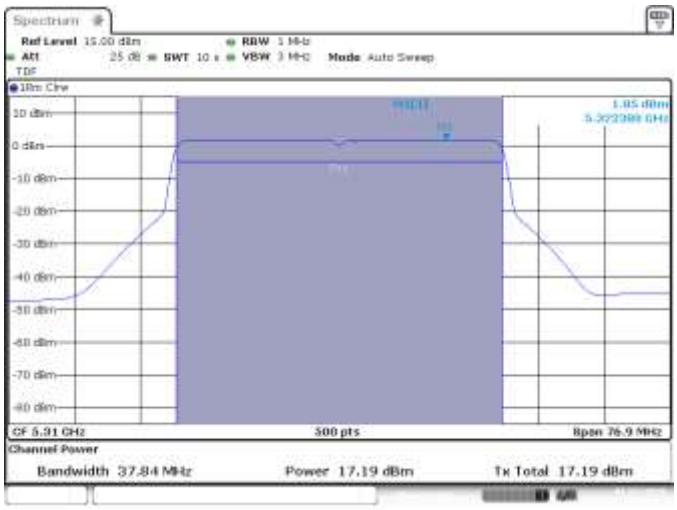
MIMO B, CH52, 802.11ax20, HE0



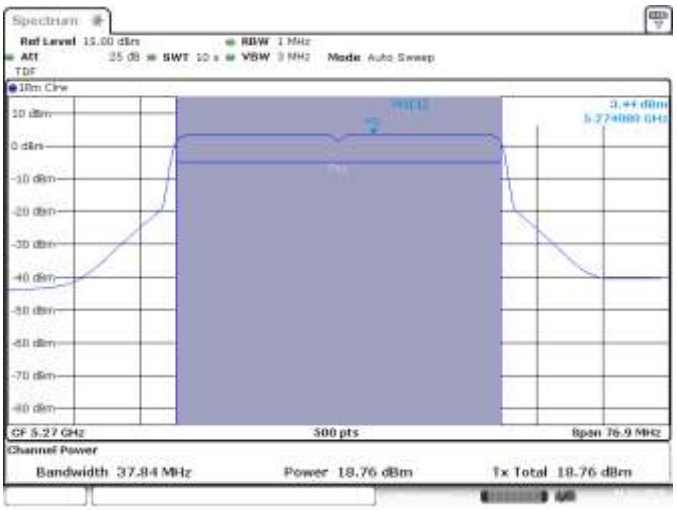
MIMO A, CH64, 802.11ax20, HE0,RU26_8



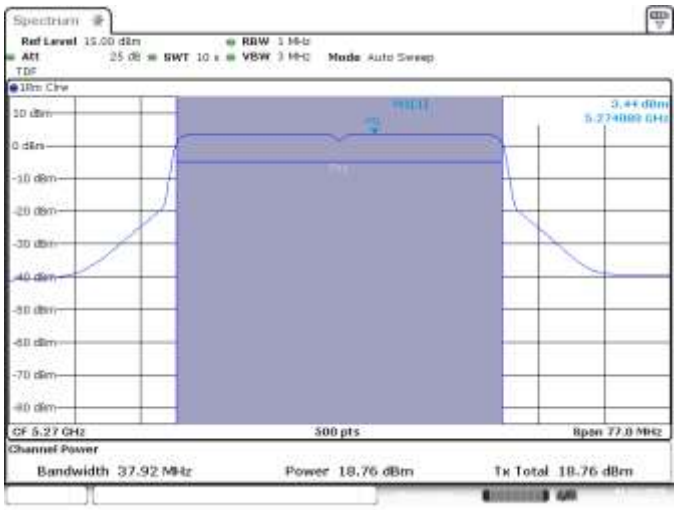
MIMO B, CH64, 802.11ax20, HE0, HE0,RU26_8



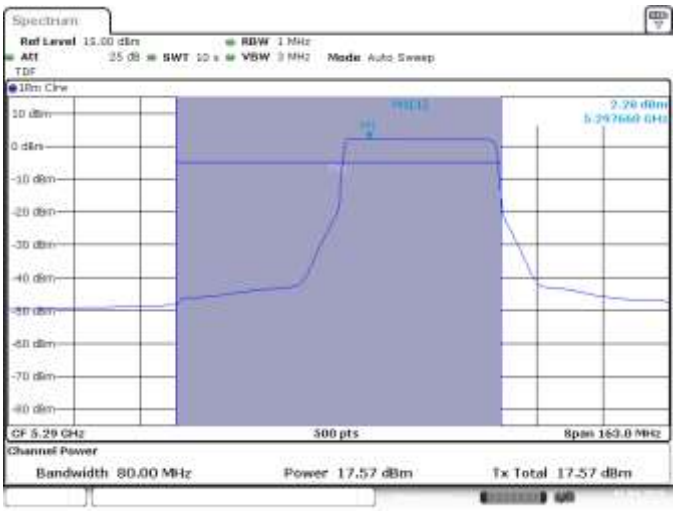
SISO B, CH62, 802.11ax40, HE0



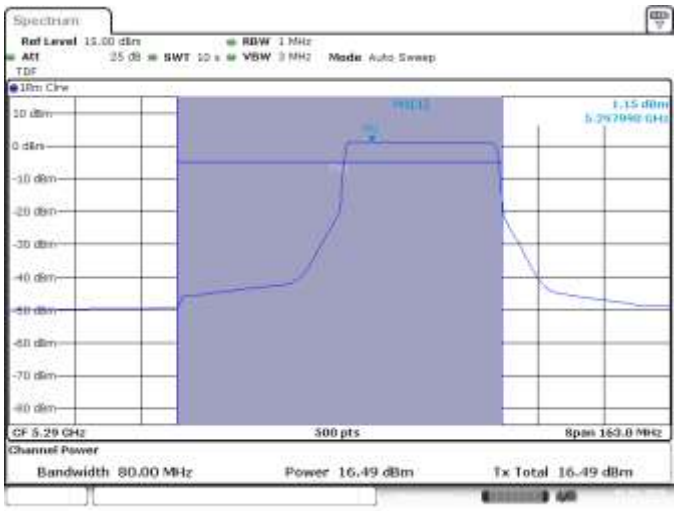
MIMO A, CH54, 802.11ax40, HE0



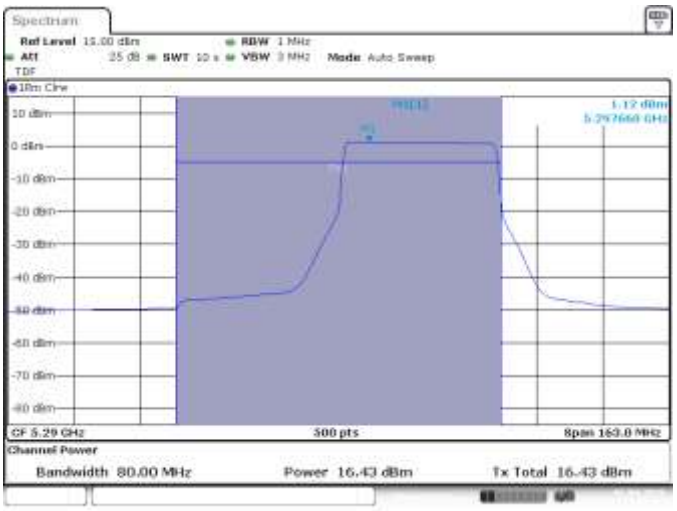
MIMO B, CH54, 802.11ax40, HE0



SISO B, CH58, 802.11ax80, HE0, RU 484_66

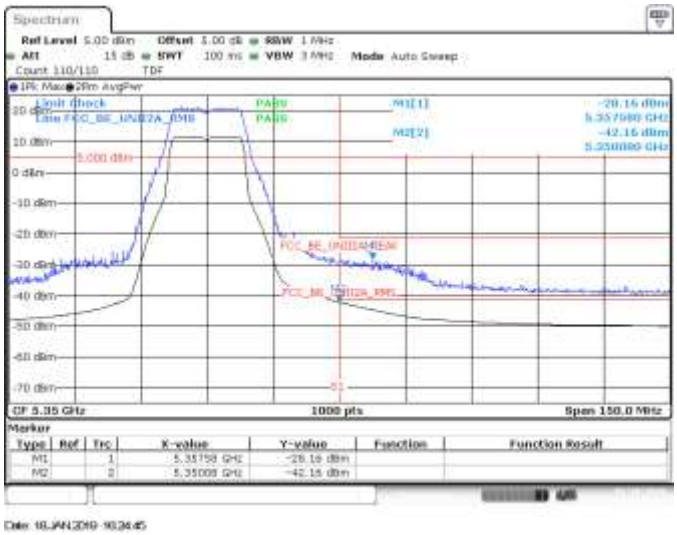


MIMO A, CH58, 802.11ax80, HE0, RU 484_66

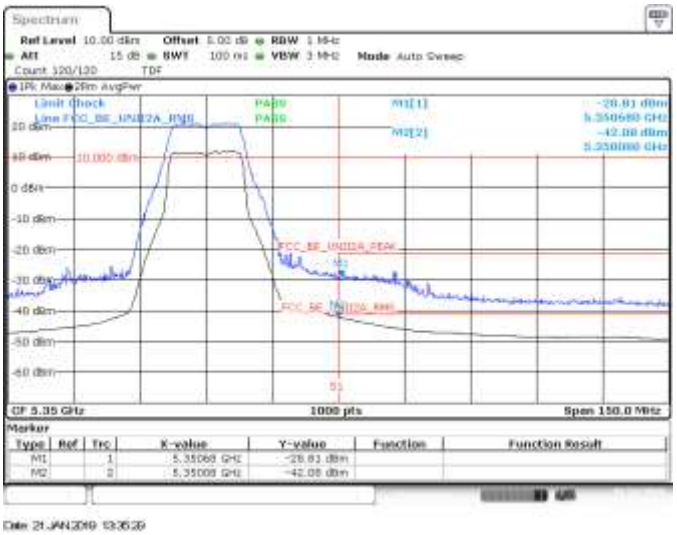


MIMO B, CH58, 802.11ax80, HE0, RU 484_66

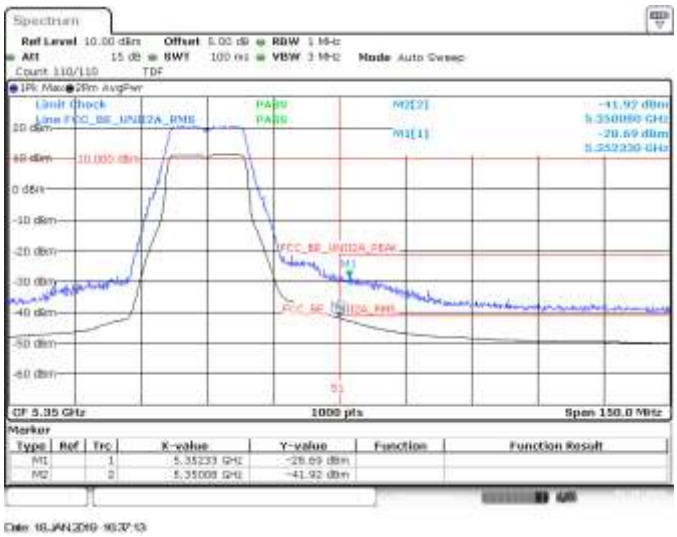
B.5.3 Undesirable emissions limits : Band Edge (Conducted)



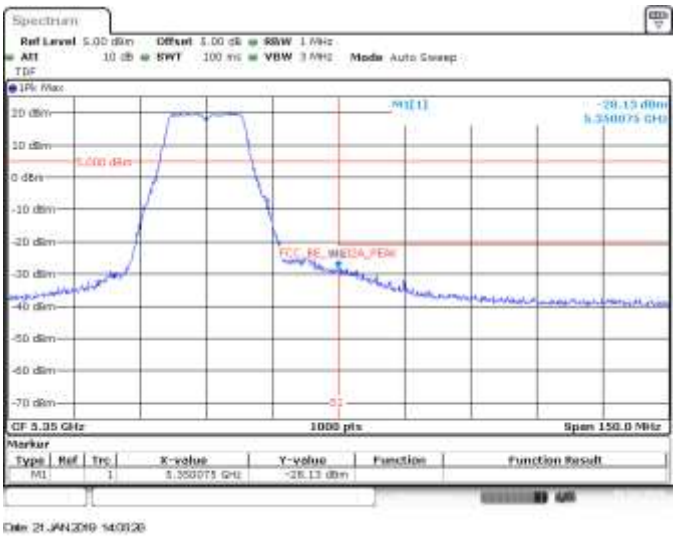
SISO A, 802.11a, 6Mbps, CH64, BE High RMS, Peak



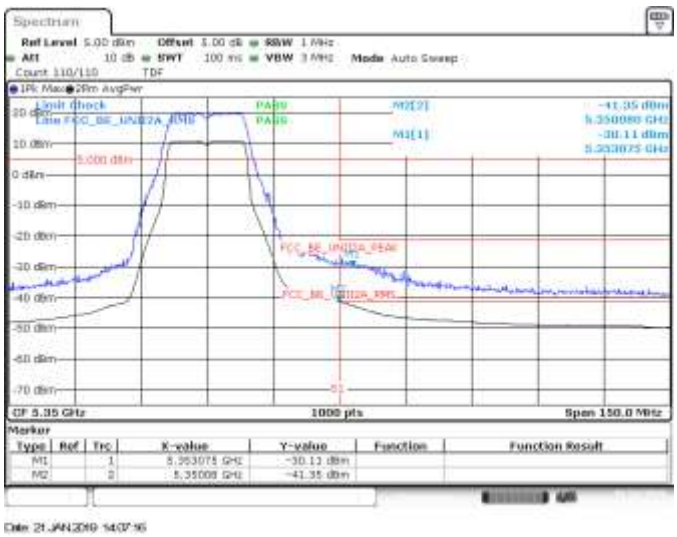
SISO B, 802.11a, 6Mbps, CH64, BE High RMS, Peak



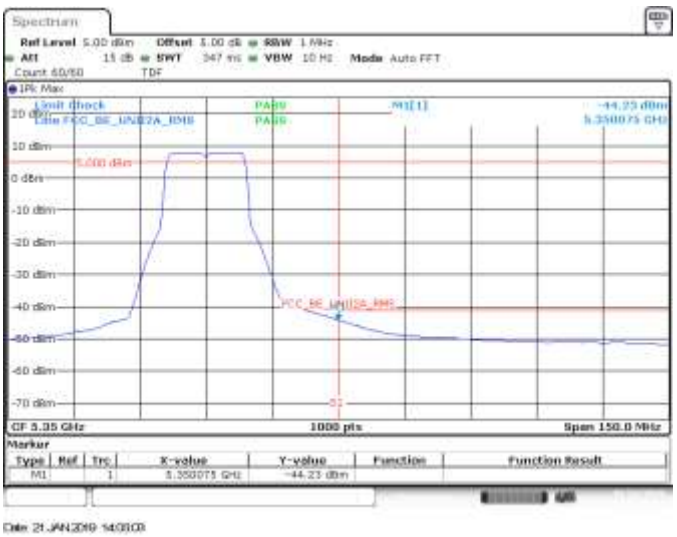
SISO A, 802.11n20, HT0, CH64, BE High RMS, Peak



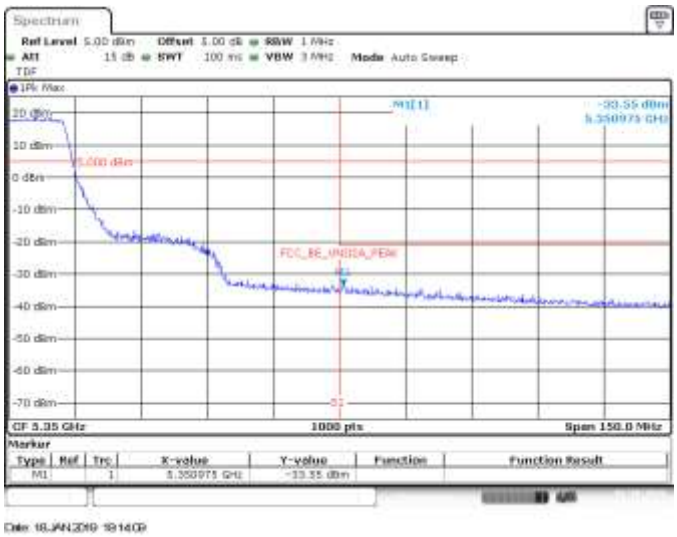
SISO B, 802.11n20, HT0, CH64, BE High Peak



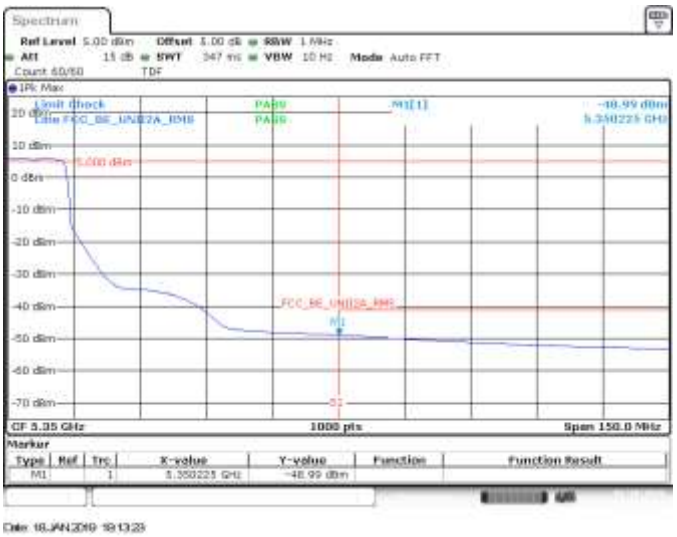
SISO B, 802.11n20, HT0, CH64, BE High RMS, Peak



SISO B, 802.11n20, HT0, CH64, BE High RMS



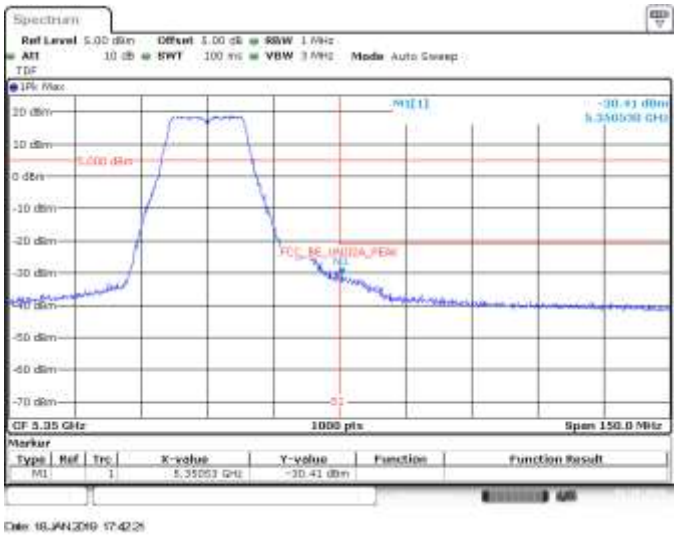
MIMO A, 802.11n20, HT8, CH54, BE High Peak



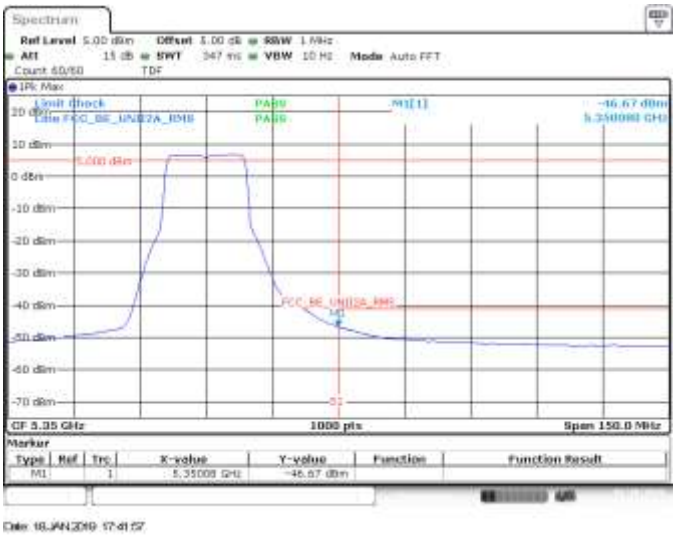
MIMO A, 802.11n20, HT8, CH54, BE High RMS

MIMO A, 802.11n20, HT8, CH62, BE High Peak

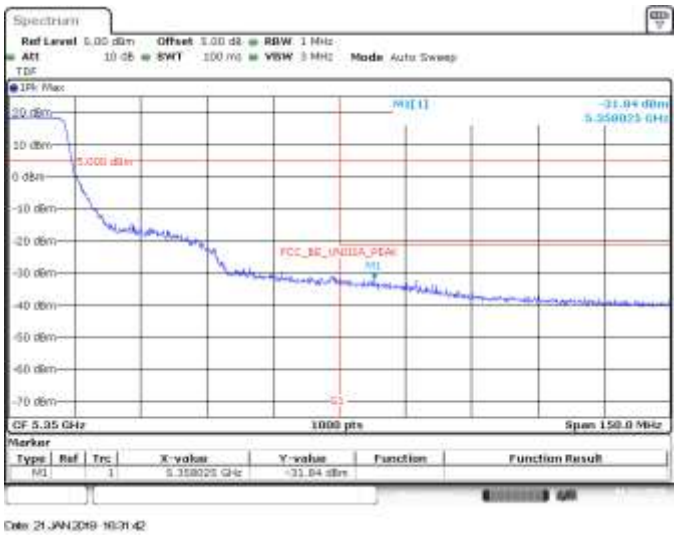
MIMO A, 802.11n20, HT8, CH62, BE High RMS



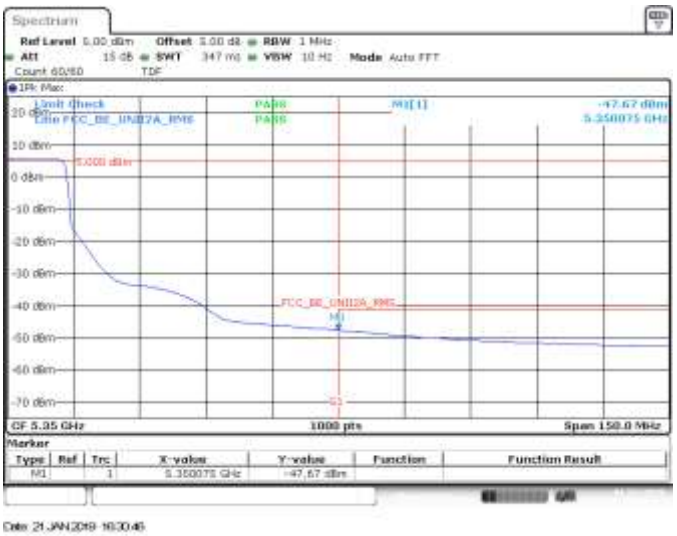
MIMO A, 802.11n20, HT8, CH64, BE High Peak



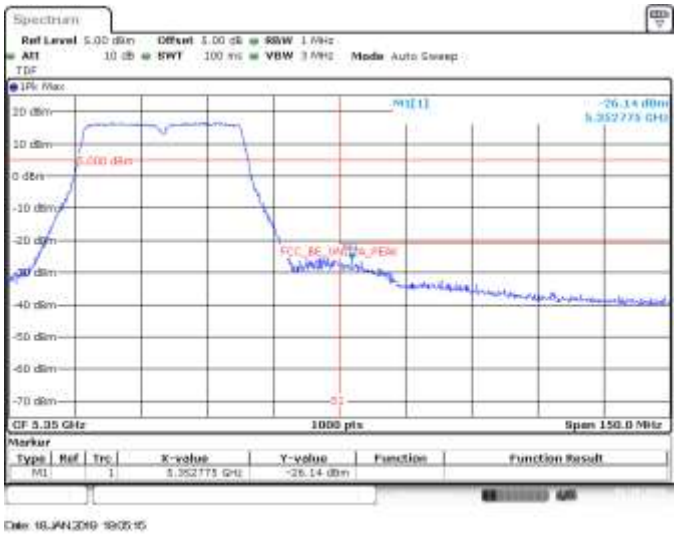
MIMO A, 802.11n20, HT8, CH64, BE High RMS



MIMO B, 802.11n20, HT8, CH54, BE High Peak



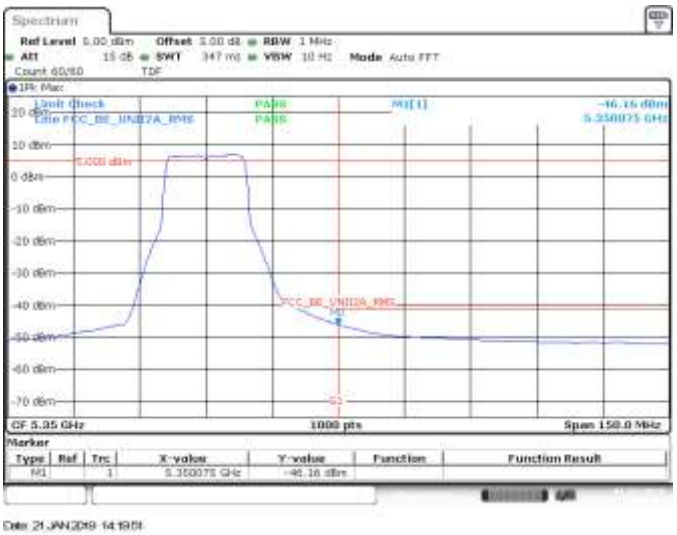
MIMO B, 802.11n20, HT8, CH54, BE High RMS



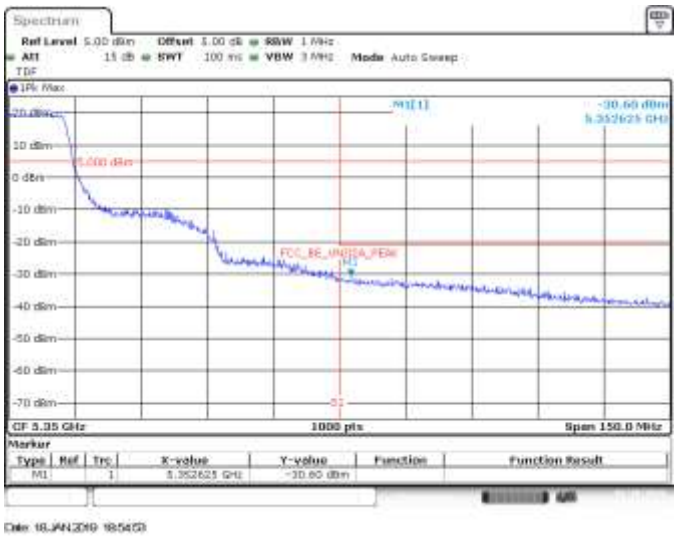
MIMO B, 802.11n20, HT8, CH62, BE High Peak

MIMO B, 802.11n20, HT8, CH62, BE High RMS

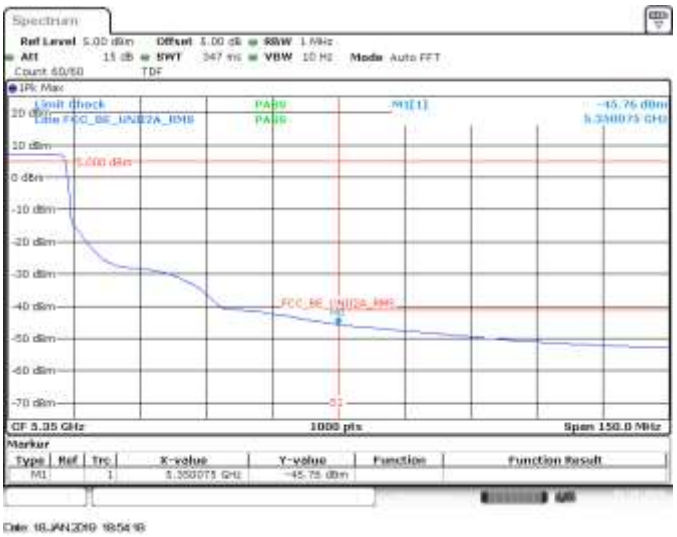
MIMO B, 802.11n20, HT8, CH64, BE High Peak



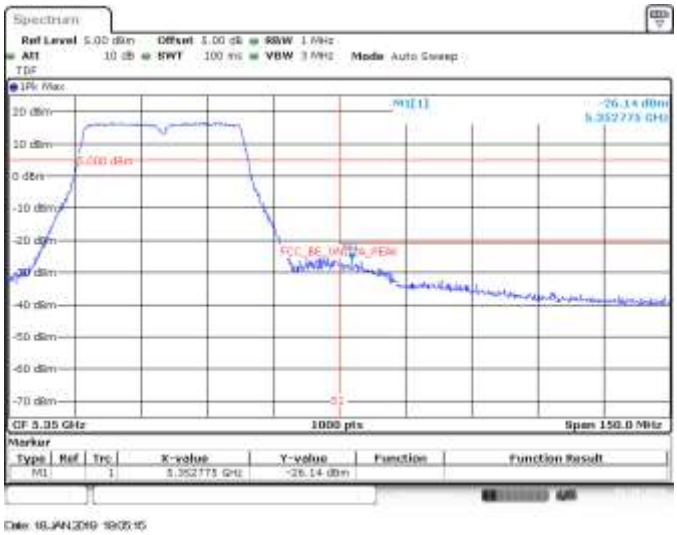
MIMO B, 802.11n20, HT8, CH64, BE High RMS



SISO A, 802.11n40, HT0, CH54, BE High Peak

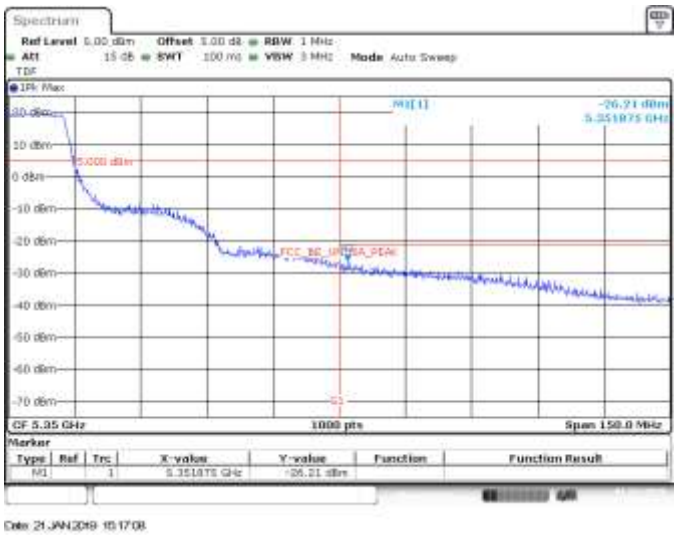


SISO A, 802.11n40, HT0, CH54, BE High RMS



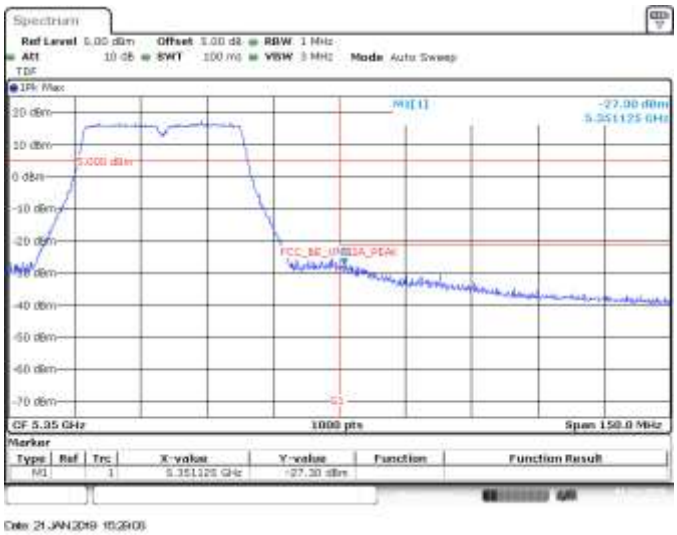
SISO A, 802.11n40, HT0, CH62, BE High Peak

SISO A, 802.11n40, HT0, CH62, BE High RMS



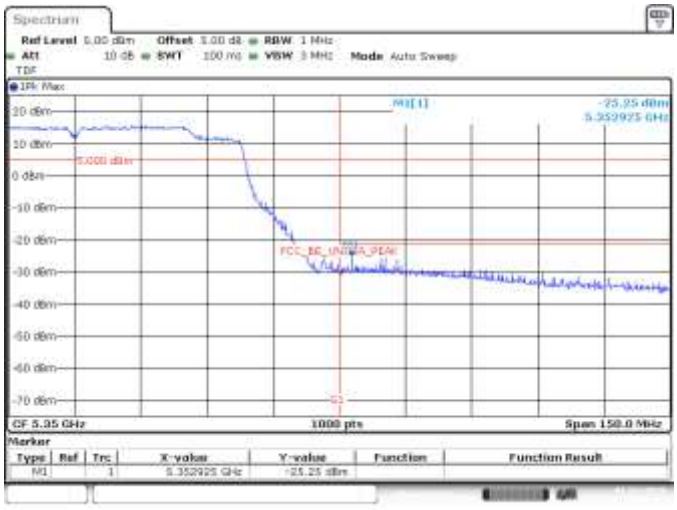
SISO B, 802.11n40, HT0, CH54, BE High Peak

SISO B, 802.11n40, HT0, CH54, BE High RMS

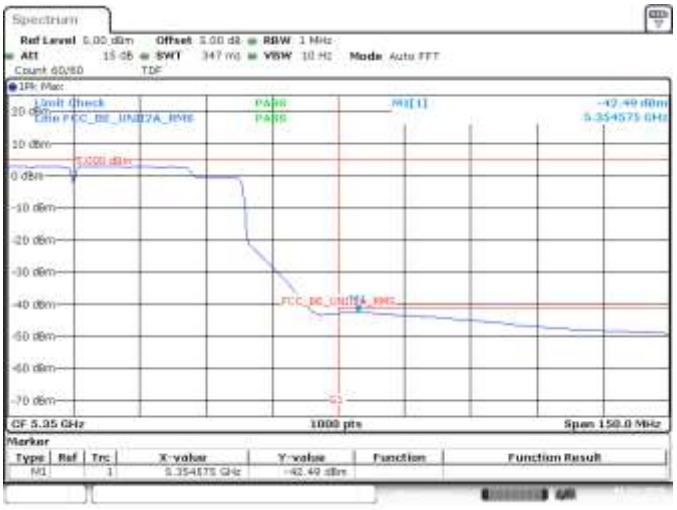


SISO B, 802.11n40, HT0, CH62, BE High Peak

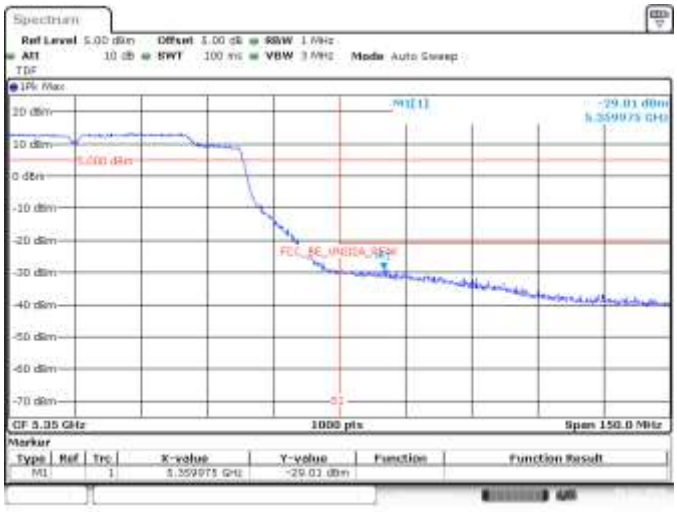
SISO B, 802.11n40, HT0, CH62, BE High RMS



SISO B, 802.11ac80, VHT0, CH58, BE High Peak

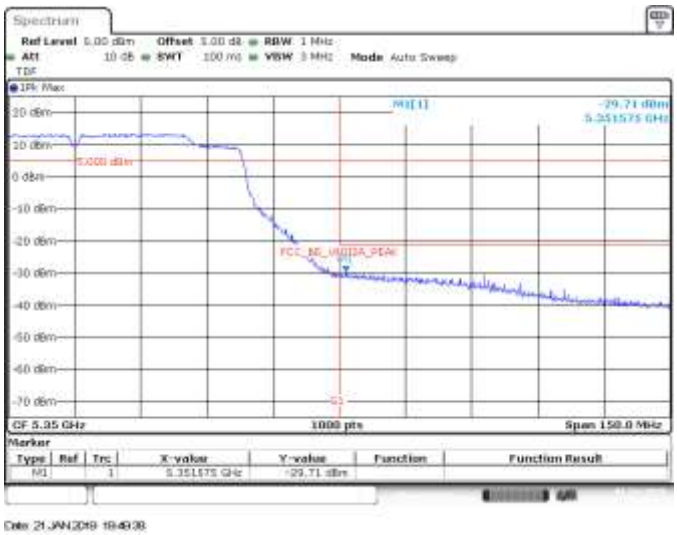


SISO B, 802.11ac80, VHT0, CH58, BE High RMS



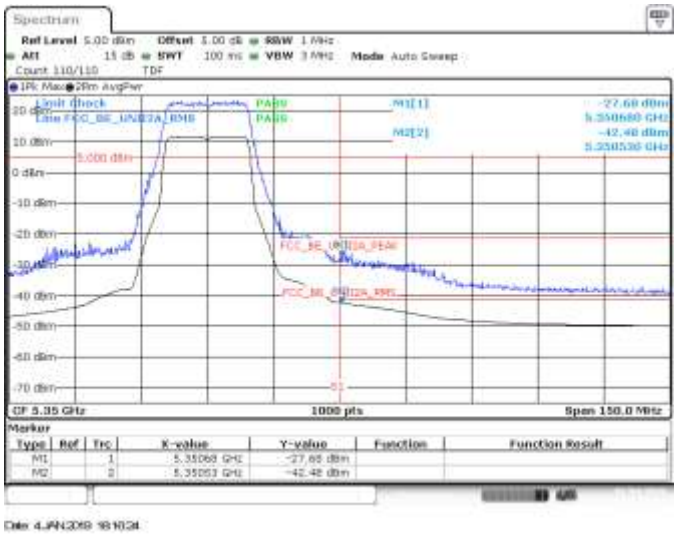
MIMO A, 802.11ac80, VHT0, CH58, BE High Peak

MIMO A, 802.11ac80, VHT0, CH58, BE High RMS



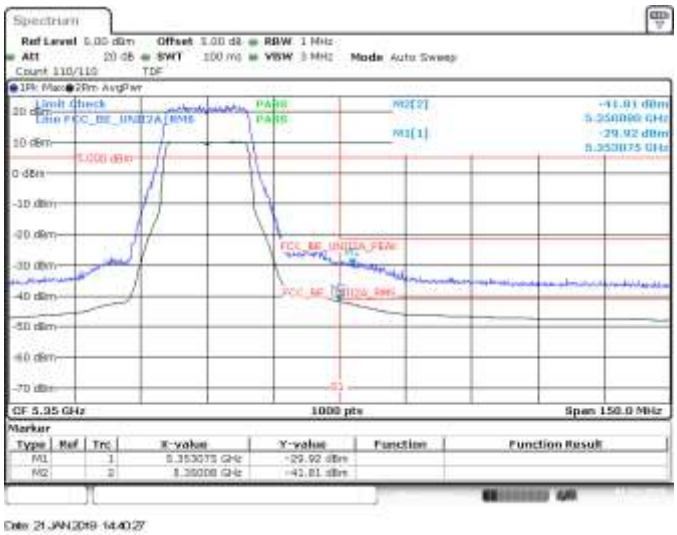
MIMO B, 802.11ac80, VHT0, CH58, BE High Peak

MIMO B, 802.11ac80, VHT0, CH58, BE High RMS

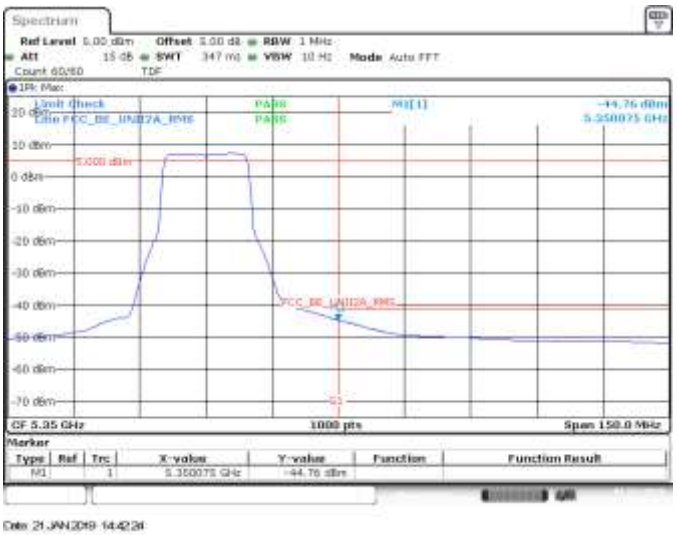


SISO A, 802.11ax20, HE0, CH64, BE High RMS, Peak

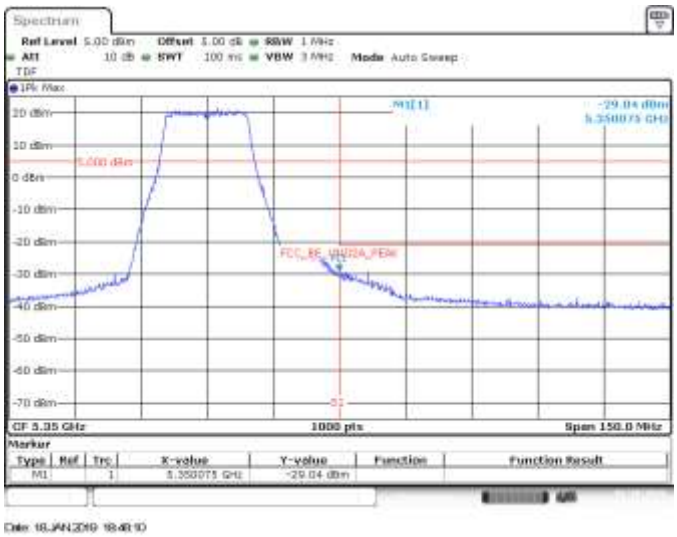
SISO B, 802.11ax20, HE0, CH64, BE High Peak



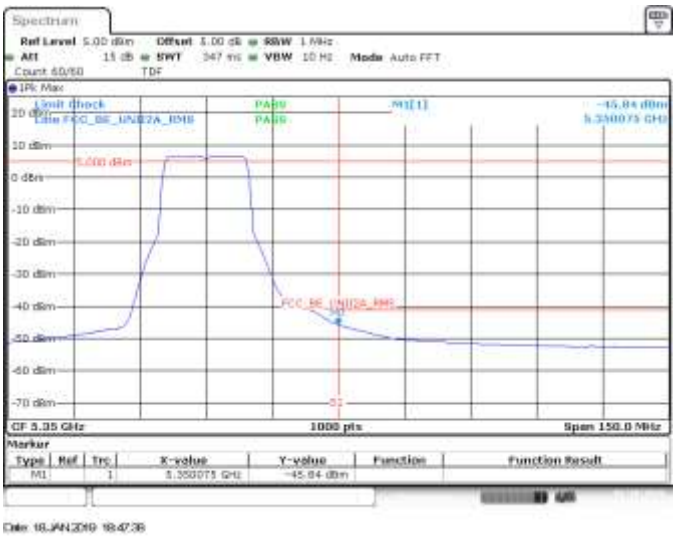
SISO B, 802.11ax20, HE0, CH64, BE High RMS, Peak



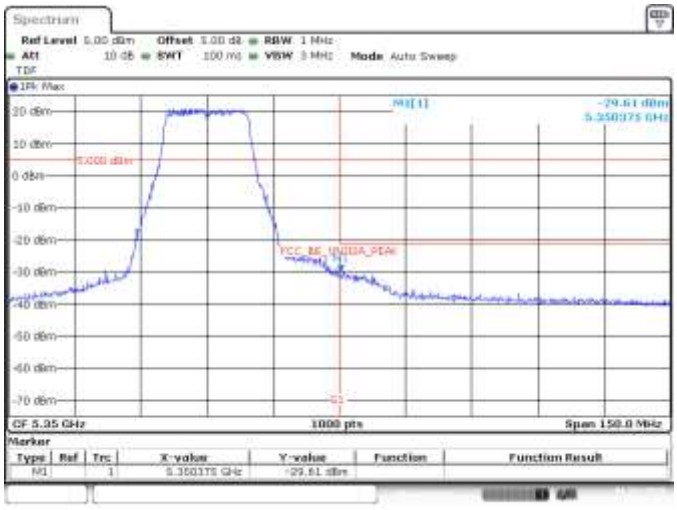
SISO B, 802.11ax20, HE0, CH64, BE High RMS



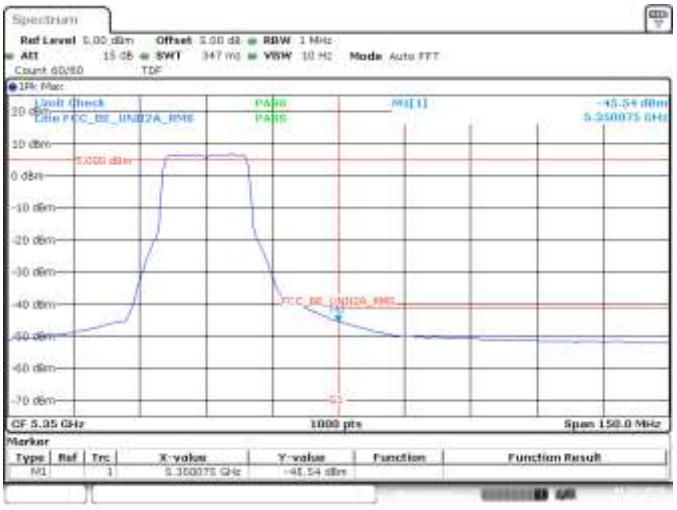
MIMO A, 802.11ax20, HE0, CH64, BE High Peak



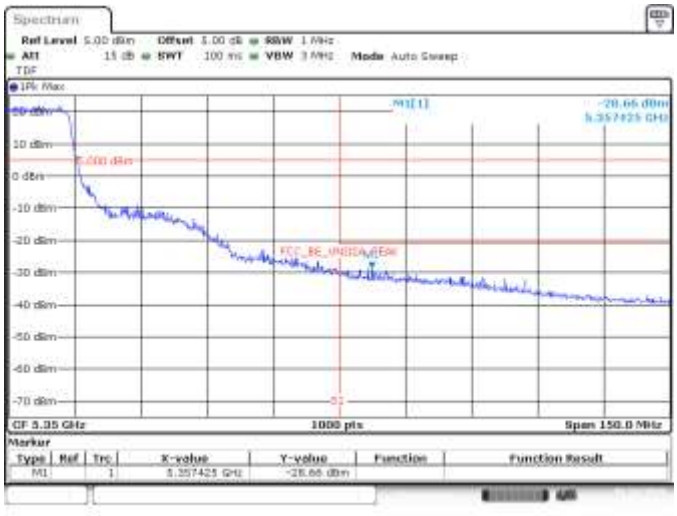
MIMO A, 802.11ax20, HE0, CH64, BE High RMS



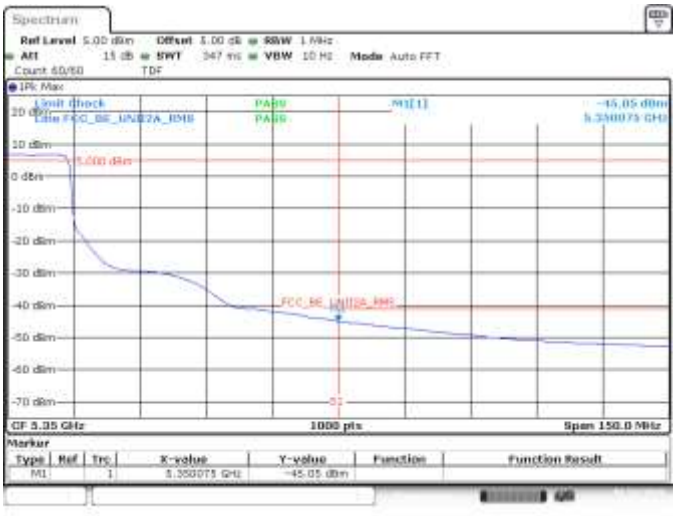
MIMO B, 802.11ax20, HE0, CH64, BE High Peak



MIMO B, 802.11ax20, HE0, CH64, BE High RMS



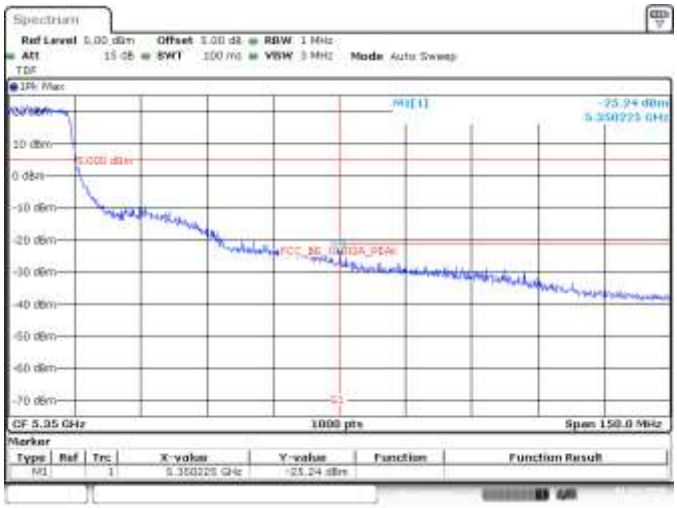
SISO A, 802.11ax40, HE0, CH54, BE High Peak



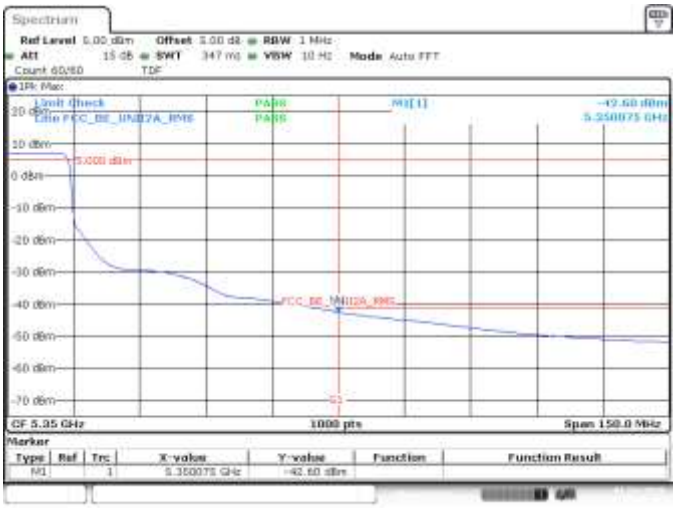
SISO A, 802.11ax40, HE0, CH54, BE High RMS

SISO A, 802.11ax40, HE0, CH62, BE High Peak

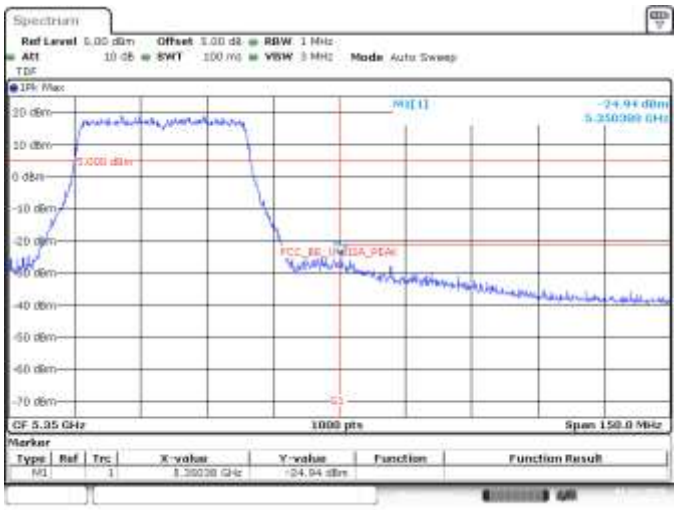
SISO A, 802.11ax40, HE0, CH62, BE High RMS



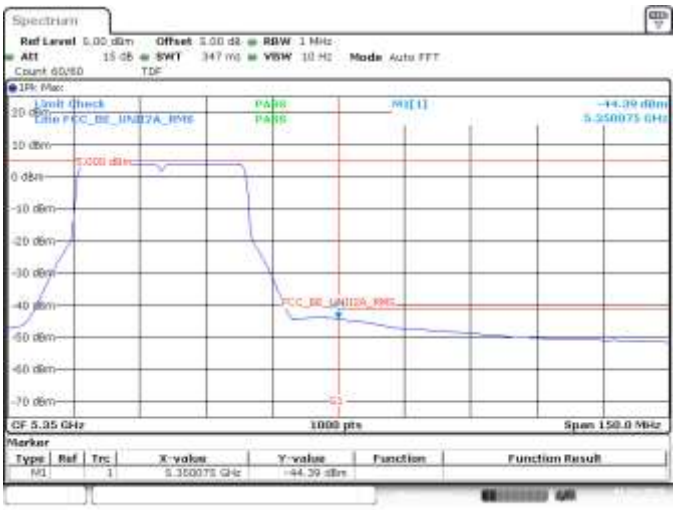
SISO B, 802.11ax40, HE0, CH54, BE High Peak



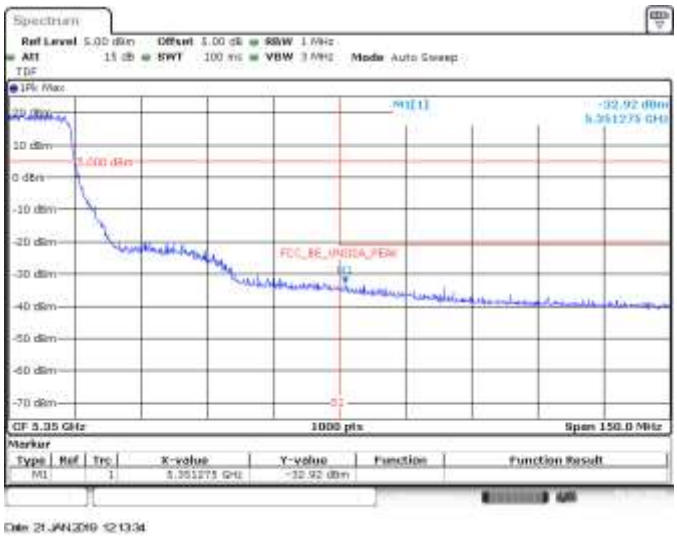
SISO B, 802.11ax40, HE0, CH54, BE High RMS



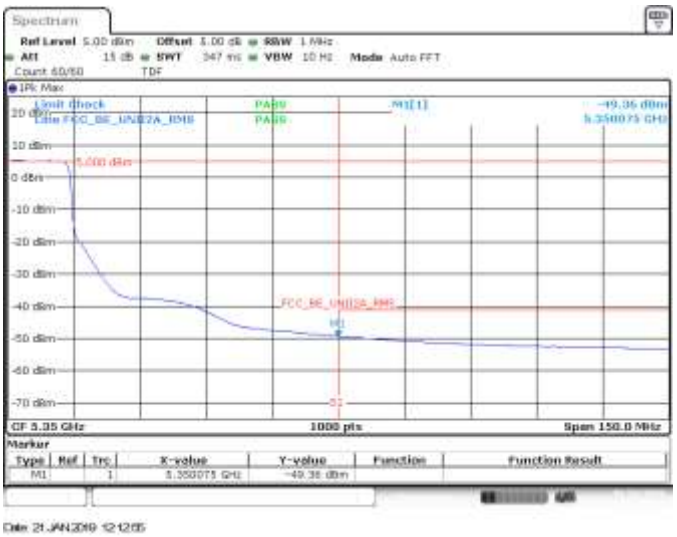
SISO B, 802.11ax40, HE0, CH62, BE High Peak



SISO B, 802.11ax40, HE0, CH62, BE High RMS



MIMO A, 802.11ax40, HE0, CH54, BE High Peak

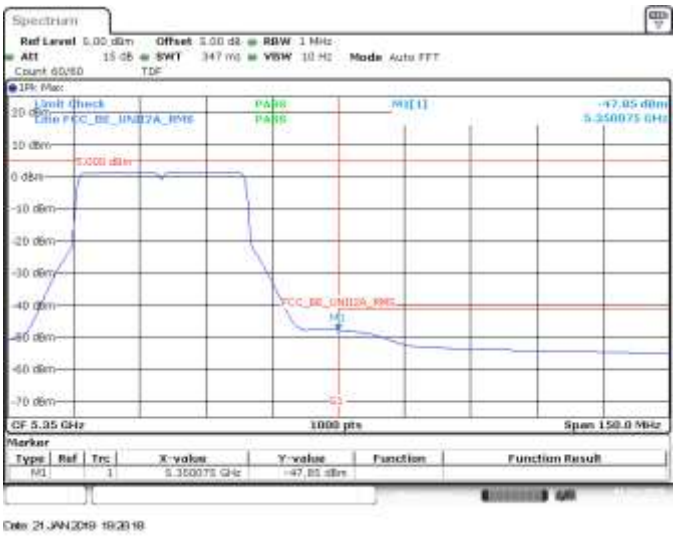


MIMO A, 802.11ax40, HE0, CH54, BE High RMS

MIMO A, 802.11ax40, HE0, CH62, BE High Peak

MIMO A, 802.11ax40, HE0, CH62, BE High RMS

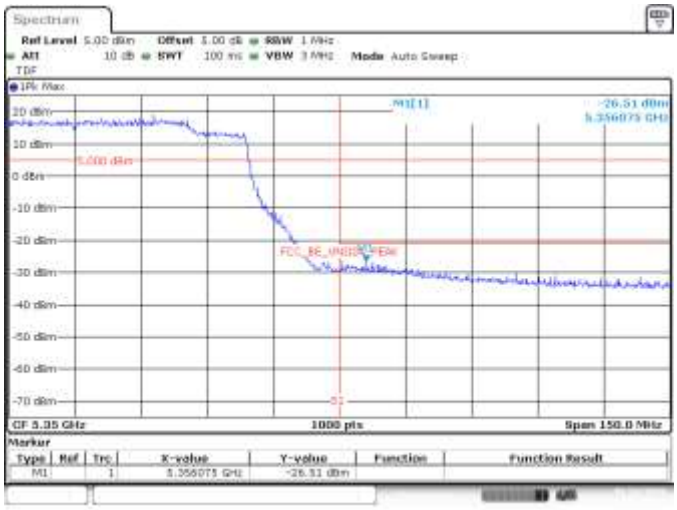
MIMO B, 802.11ax40, HE0, CH54, BE High Peak



MIMO B, 802.11ax40, HE0, CH54, BE High RMS

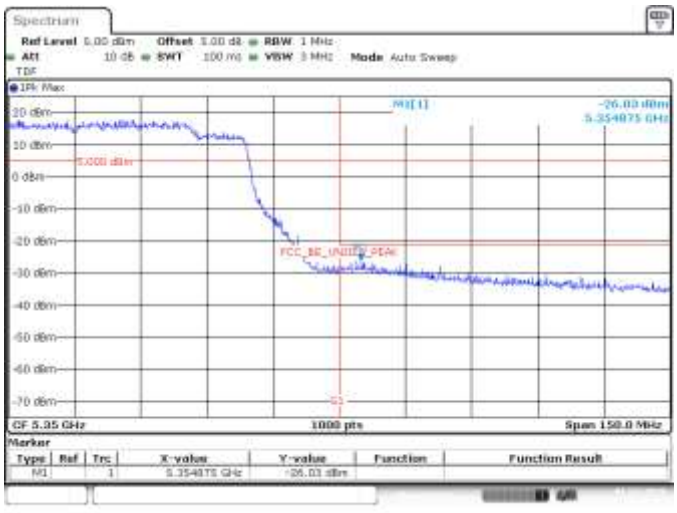
MIMO B, 802.11ax40, HE0, CH62, BE High Peak

MIMO B, 802.11ax40, HE0, CH62, BE High RMS



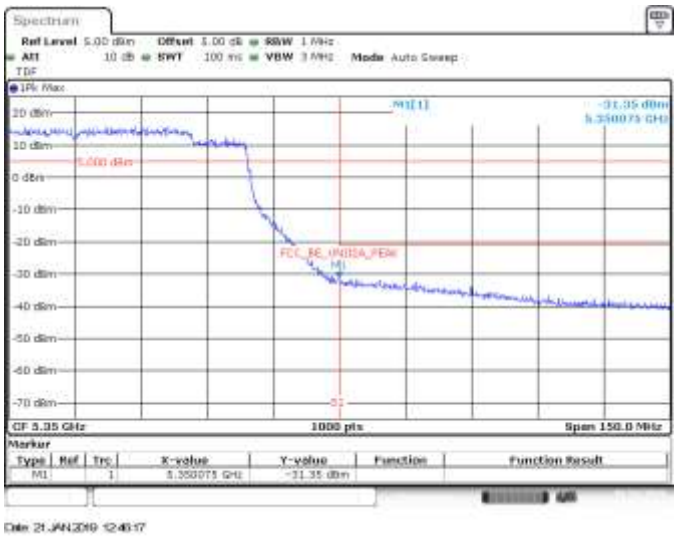
SISO A, 802.11ax80, HE0, CH58, BE High Peak

SISO A, 802.11ax80, HE0, CH58, BE High RMS



SISO B, 802.11ax80, HE0, CH58, BE High Peak

SISO B, 802.11ax80, HE0, CH58, BE High RMS



MIMO A, 802.11ax80, HE0, CH58, BE High Peak

MIMO A, 802.11ax80, HE0, CH58, BE High RMS

MIMO B, 802.11ax80, HE0, CH58, BE High Peak

MIMO B, 802.11ax80, HE0, CH58, BE High RMS 0