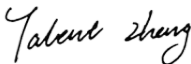


FCC CERTIFICATION TEST REPORT

Applicant:	iFIT Inc.
Address:	1500 South 1000 West, Logan, UT 84321, USA
Manufacturer:	iFIT Inc.
Address:	1500 South 1000 West, Logan, UT 84321, USA
Product Description:	Tablet
Brand Name:	iFIT
Tested Model:	MP24-Cesium-V, MP16-Cesium-V, MP10-Cesium-V
FCC ID:	OMC-CESIUM1
Report No.:	JCF260410101-005
Received Date:	Apr. 10, 2026
Tested Date:	Apr. 10, 2026 ~ Jul. 07, 2026
Issued Date:	Jul. 07, 2026
Test Standards:	47 CFR FCC Part 15, Subpart E (Section 15.407),
Test Procedure:	ANSI C63.10-2020 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 KDB 987594 D02 U-NII 6 GHz EMC Measurement v03 KDB 662911 D01 Multiple Transmitter Output v02r01
Test Result:	Pass
Prepared By:  <u>Roger Li/Engineer</u> Date: Jul. 07, 2026	
Reviewed By:  <u>Kennys Zhang/Engineer</u> Date: Jul. 07, 2026	
Approved By:  <u>Talent Zhang/Engineer</u> Date: Jul. 07, 2026	

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
--	/	Jul. 07, 2026	Original Report	/

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1. Test Report Declare

Applicant:	iFIT Inc.
Address:	1500 South 1000 West, Logan, UT 84321, USA
Manufacturer:	iFIT Inc.
Address:	1500 South 1000 West, Logan, UT 84321, USA
Product Name:	Tablet
Brand Name:	iFIT
Model Name:	MP24-Cesium-V, MP16-Cesium-V, MP10-Cesium-V, MP24-CESIUM-M, MP16-CESIUM-M, MP10-CESIUM-M
Difference Description:	1. The three size variants of the product only differ in appearance, dimensions, and display circuitry, while everything else remains the same. All models share the same main chip and RF hardware, including modules, crystal oscillators, antennas, etc., and have identical functionality. 2. The same size “-V” and “-M” only Different of model names for trading purpose.

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

2. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.

Clause	Description of Test Item	Standard	Verdict
1	RF Output Power (EIRP)	FCC 15.407 (a)(7)(8)	Pass
2	Power Spectral Density	FCC 15.407 (a)(7)(8)	Pass
3	Occupied Bandwidth	FCC 15.407 (a)(10)	Pass
4	AC Power Conducted Emissions	FCC 15.407 (b)(9)	Pass
5	Unwanted Emissions below 1 GHz	FCC 15.407 (b)(9)	Pass
6	Unwanted Emissions above 1GHz	FCC 15.407 (b)(6) FCC 15.407 (b)(10)	Pass
7	In-Band Emission Mask	FCC 15.407 (b)(7)	Pass
8	Contention-based Protocol	FCC 15.407 (d)(6)	Pass
9	Frequency Stability	FCC 15.407 (g)	Pass
10	Antenna Requirement	FCC 15.203 (g)	Pass

Note1: The model: MP24-Cesium-V; MP16-Cesium-V; MP10-Cesium-V share the same main chip and RF hardware, including modules, crystal oscillators, antennas, etc., and have identical functionality. So except for item 4&5&6 above, which requires all models to be tested, the remaining items only test model MP24-Cesium-V.

Note2: Two screen suppliers are used for the same model. Matching tests have been completed for both screens. Only the test data of the screen with the worst-performing results is presented in the report, which serves as the judgment basis for this model.

3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

4. Equipment Under Test

4.1. Description of EUT

EUT Name:	Tablet	
Model Number:	MP24-Cesium-V, MP16-Cesium-V, MP10-Cesium-V	
EUT Function Description:	Please refer to user manual of this device	
Power Supply:	DC 12V 3A	
Sample No.:	260410101-01-01	
Hardware Version:	N/A	
Software Version:	N/A	
Radio Specification:	IEEE 802.11ax	
Operation Frequency:	Indoor Client	
Frequency Range(MHz)	U-NII-5	20MHz BW:5935~6415 40MHz BW:5965~6405 80MHz BW:5985~6385
	U-NII-6	20MHz BW:6435~6515 40MHz BW:6445~6525 80MHz BW:6465~6545
	U-NII-7	20MHz BW:6535~6855 40MHz BW:6565~6845 80MHz BW:6625~6785
	U-NII-8	20MHz BW:6875~7115 40MHz BW:6885~7085 80MHz BW:6865~7025
Modulation:	IEEE 802.11ax (HEW20/40/80): OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)	
Straddle channel	Supported	
Support:	Full SU	
Antenna Type:	See below table	

Model	Ant.	Ant. type	Ant. Gain (dBi)	Directional Gain (dBi)
MP10-Cesium-V	WIFI ANT 1	FPC	3.06	5.11
	WIFI ANT 2	FPC	1.03	
MP16-Cesium-V	WIFI ANT1	FPC	6.05	8.21
	WIFI ANT 2	FPC	4.25	
MP24-Cesium-V	WIFI ANT1	FPC	1.74	5.25
	WIFI ANT 2	FPC	2.71	

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

4.2. Channel List

U-NII-5: 15E 6 GHz Low-power Indoor client

25 channels are provided for 802.11ax(HE20)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz	25	6075 MHz
29	6095 MHz	33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz	57	6235 MHz

61	6255 MHz	65	6275 MHz	69	6295 MHz	73	6315 MHz
77	6335 MHz	81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz	---	---	---	---	---	---

12 channels are provided for 802.11ax(HE40)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz	27	6085 MHz
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285 MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

6 channels are provided for 802.11ax(HE80)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz	55	6225 MHz
71	6305 MHz	87	6385 MHz	---	---	---	---

U-NII-6: 15E 6 GHz Low-power Indoor client

5 channels are provided for 802.11ax(HE20)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz	---	---	---	---	---	---

3 channels are provided for 802.11ax(HE40)

Channels	Frequency	Channel	Frequency	Channel	Frequency	---	---
99	6445 MHz	107	6485 MHz	115	6525 MHz	---	---

1 channels are provided for 802.11ax(HE80)

Channels	Frequency	---	---	---	---	---	---
103	6465 MHz	---	---	---	---	---	---

U-NII-7: 15E 6 GHz Low-power Indoor client

17 channels are provided for 802.11ax(HE20)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz	---	---	---	---	---	---

8 channels are provided for 802.11ax(HE40)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax(HE80)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz	---	---	---	---	---	---

U-NII-8: 15E 6 GHz Low-power Indoor client

13 channels are provided for 802.11ax(HE20)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
185	6875 MHz	189	6895 MHz	193	6915 MHz	197	6935 MHz

201	6955 MHz	205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz	229	7095 MHz
233	7115 MHz	---	---	---	---	---	---

6 channels are provided for 802.11ax(HE40)

Channels	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

2 channels are provided for 802.11ax(HE80)

Channels	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

4.3. Test Channel Configuration

The Worse Case Power Setting Parameter			
Test Software	QA-Tool		
Mode	Channel	Soft set value	
		ANT0	ANT1
802.11ax HEW20_Nss1,(MCS0)_1TX	5955MHz	-1	-1
	6175MHz	0	0
	6415MHz	-3	-3
	6435MHz	-3	-3
	6475MHz	-2	-2
	6515MHz	-2	-2
	6535MHz	-2	-2
	6695MHz	1	1
	6855MHz	-2	-2
	6875MHz Straddle 6.525-6.875GHz	-2	-2
	6895MHz	0	0
	6995MHz	0	0
	7115MHz	-2	-2
802.11ax HEW40_Nss1,(MCS0)_1TX	5965MHz	-2	-2
	6165MHz	-2	-2
	6405MHz	0	0
	6445MHz	-2	-2
	6485MHz	0	0
	6525MHz Straddle 6.425-6.525GHz	-2	-2
	6565MHz	0	0
	6685MHz	2	2
	6845MHz	-2	-2
	6885MHz Straddle 6.525-6.875GHz	-2	-2
	6925MHz	-2	-2
	6965MHz	2	2
	7085MHz	2	2
802.11ax HEW80_Nss,(MCS0)_1TX	5985MHz	3	3
	6145MHz	3	3
	6385MHz	3	3
	6465MHz	3	3
	6545MHz Straddle 6.425-6.525GHz	3	3
	6625MHz	3	3
	6705MHz	3	3
	6785MHz	3	3

	6865MHz Straddle 6.525-6.875GHz	3	3
	6945MHz	3	3
	7025MHz	3	3

4.4. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25 °C
Humidity range:	40-75%
Pressure range:	86-106 kPa

4.5. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11ax HE20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ax HE40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ax HE80	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
Note: 1. 802.11ax and 802.11be support MIMO mode 2. WLAN 2.4 GHz & WLAN 5G & WLAN 6G can't transmit simultaneously. (declared by client)		

5. Description of Test Setup

5.1. Accessory

Description of Accessories	Manufacturer	Model Number	Description	Remark
/	/	/	/	/

5.2. Support Equipment

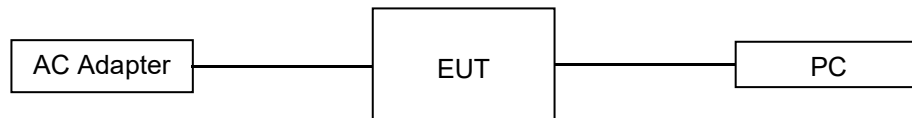
Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/
Adapter	HONOTO	ADS-50HF-12-1 12040E	/

5.3. Test Setup

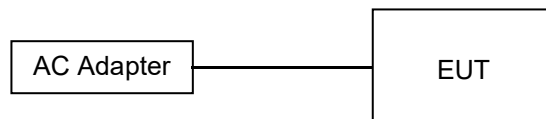
The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

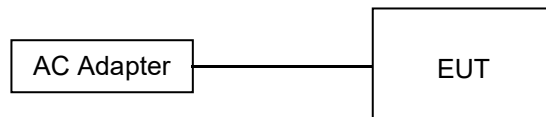
RF Connect Test:



Radiated Emission Test:



AC Power Line Conducted Emissions Test:



6. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	5.4dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of $k = 2$.

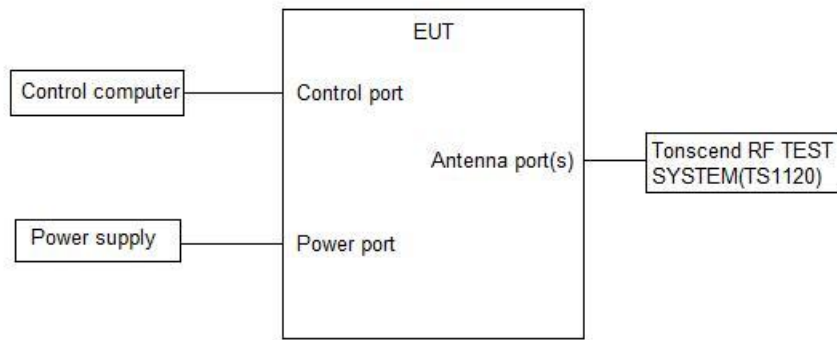
7. Measuring Instrument and Software Used

TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5171B	MY57280639	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E342A	MY59020356	Jul. 31, 2025	Jul. 30, 2026
☒	Incubator thermometer	GWS	EL-02JA	21107288	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	/	Jul. 31, 2025	Jul. 30, 2026
☒	Wideband radio communication tester	R&S	CMW500	163478	Jun. 28, 2025	Jun. 27, 2026
☒	Spectrum Analyzer	Keysight	N9020B	MY60112206	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	21H8060465	Aug. 01, 2025	Jul. 31, 2026
☒	Wi-Fi 7GHz Band Extender	Tonscend	TS-WF7U2	2310270006	Jul. 31, 2025	Jul. 30, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	JS1120-3		V3.3.10	
RSE Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	EMI Receiver	R&S	ESR26	101424	Nov. 25, 2025	Nov. 24, 2026
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01361	May. 28, 2025	May. 27, 2026
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01361	May. 26, 2026	May. 25, 2027
☒	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Aug. 31, 2025	Aug. 30, 2026
☒	Horn Antenna 2	ETS	BBHA 9170	1090	Aug. 31, 2025	Aug. 30, 2026
☒	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 11, 2026	Jan. 10, 2027
☒	Test path	/	Path17: WIFI6E-1	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path18: WIFI6E-1	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path19: WIFI6E-1	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path20: WIFI6E-1	/	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Pre-Amplifier	ETS	3116C-PA	00217677	Jul. 31, 2025	Jul. 30, 2026
☒	3m Fully-anechoic Chamber	YIHENG	9m*6m*6m	001	Sep. 05, 2023	Sep. 04, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	TS+		V5.0.0.0	

Conducted Emission Test For AC Power Port						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	LISN	R&S	ENV216	102509	Aug. 01, 2025	Jul. 31, 2026
☒	EMI Receiver	R&S	ESR	102154	Aug. 01, 2025	Jul. 31, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	EZ	EZ-EMC		EMEC-3A1	
Other Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Temperature & Humidity	Temperature	HTC-1	/	Sep. 20, 2025	Sep. 21, 2026

8. On Time and Duty Cycle

8.1. Block diagram of test setup



8.2. Limits

None; for reporting purposes only

8.3. Procedure

KDB 558074 Zero-Span Spectrum Analyzer Method

8.4. Results

TestMode	Antenna	Channel	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)	Limit	Verdict
11AX20MIMO	Ant1	5955	30.00	30.00	100.00	---	---
	Ant2	5955	30.00	30.00	100.00	---	---
	Ant1	6175	30.00	30.00	100.00	---	---
	Ant2	6175	30.00	30.00	100.00	---	---
	Ant1	6415	30.00	30.00	100.00	---	---
	Ant2	6415	30.00	30.00	100.00	---	---
	Ant1	6435	30.00	30.00	100.00	---	---
	Ant2	6435	30.00	30.00	100.00	---	---
	Ant1	6475	30.00	30.00	100.00	---	---
	Ant2	6475	30.00	30.00	100.00	---	---
	Ant1	6515	30.00	30.00	100.00	---	---
	Ant2	6515	30.00	30.00	100.00	---	---
	Ant1	6535	30.00	30.00	100.00	---	---
	Ant2	6535	30.00	30.00	100.00	---	---
	Ant1	6695	30.00	30.00	100.00	---	---
	Ant2	6695	30.00	30.00	100.00	---	---
	Ant1	6855	30.00	30.00	100.00	---	---
	Ant2	6855	30.00	30.00	100.00	---	---
	Ant1	6875	30.00	30.00	100.00	---	---
	Ant2	6875	30.00	30.00	100.00	---	---
	Ant1	6895	30.00	30.00	100.00	---	---
	Ant2	6895	30.00	30.00	100.00	---	---
	Ant1	6995	30.00	30.00	100.00	---	---
	Ant2	6995	30.00	30.00	100.00	---	---
	Ant1	7115	30.00	30.00	100.00	---	---
	Ant2	7115	30.00	30.00	100.00	---	---
11AX40MIMO	Ant1	5965	30.00	30.00	100.00	---	---
	Ant2	5965	30.00	30.00	100.00	---	---

	Ant1	6165	30.00	30.00	100.00	---	---
	Ant2	6165	30.00	30.00	100.00	---	---
	Ant1	6405	30.00	30.00	100.00	---	---
	Ant2	6405	30.00	30.00	100.00	---	---
	Ant1	6445	30.00	30.00	100.00	---	---
	Ant2	6445	30.00	30.00	100.00	---	---
	Ant1	6485	30.00	30.00	100.00	---	---
	Ant2	6485	30.00	30.00	100.00	---	---
	Ant1	6525	30.00	30.00	100.00	---	---
	Ant2	6525	30.00	30.00	100.00	---	---
	Ant1	6565	30.00	30.00	100.00	---	---
	Ant2	6565	30.00	30.00	100.00	---	---
	Ant1	6685	30.00	30.00	100.00	---	---
	Ant2	6685	30.00	30.00	100.00	---	---
	Ant1	6845	30.00	30.00	100.00	---	---
	Ant2	6845	30.00	30.00	100.00	---	---
	Ant1	6885	30.00	30.00	100.00	---	---
	Ant2	6885	30.00	30.00	100.00	---	---
	Ant1	6925	30.00	30.00	100.00	---	---
	Ant2	6925	30.00	30.00	100.00	---	---
	Ant1	6965	30.00	30.00	100.00	---	---
	Ant2	6965	30.00	30.00	100.00	---	---
	Ant1	7085	30.00	30.00	100.00	---	---
	Ant2	7085	30.00	30.00	100.00	---	---
11AX80MIMO	Ant1	5985	30.00	30.00	100.00	---	---
	Ant2	5985	30.00	30.00	100.00	---	---
	Ant1	6145	30.00	30.00	100.00	---	---
	Ant2	6145	30.00	30.00	100.00	---	---
	Ant1	6385	30.00	30.00	100.00	---	---
	Ant2	6385	30.00	30.00	100.00	---	---
	Ant1	6465	30.00	30.00	100.00	---	---
	Ant2	6465	30.00	30.00	100.00	---	---
	Ant1	6545	30.00	30.00	100.00	---	---
	Ant2	6545	30.00	30.00	100.00	---	---
	Ant1	6625	30.00	30.00	100.00	---	---
	Ant2	6625	30.00	30.00	100.00	---	---
	Ant1	6705	30.00	30.00	100.00	---	---
	Ant2	6705	30.00	30.00	100.00	---	---
	Ant1	6785	30.00	30.00	100.00	---	---
	Ant2	6785	30.00	30.00	100.00	---	---
	Ant1	6865	30.00	30.00	100.00	---	---
	Ant2	6865	30.00	30.00	100.00	---	---
	Ant1	6945	30.00	30.00	100.00	---	---
	Ant2	6945	30.00	30.00	100.00	---	---
	Ant1	7025	30.00	30.00	100.00	---	---
	Ant2	7025	30.00	30.00	100.00	---	---

Note: Duty Cycle Correction Factor = $10\log(1/x)$.

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer, then the next higher value should be used.

8.5. Original test data





11AX20MIMO_Ant1_6415



11AX20MIMO_Ant2_6415



11AX20MIMO_Ant1_6435



11AX20MIMO_Ant2_6435



11AX20MIMO_Ant1_6475



11AX20MIMO_Ant2_6475



11AX20MIMO_Ant1_6515



11AX20MIMO_Ant2_6515



11AX20MIMO_Ant1_6535



11AX20MIMO_Ant2_6535



11AX20MIMO_Ant1_6695



11AX20MIMO_Ant2_6695



11AX20MIMO_Ant1_6855



11AX20MIMO_Ant2_6855



11AX20MIMO_Ant1_6875



11AX20MIMO_Ant2_6875



11AX20MIMO_Ant1_6895



11AX20MIMO_Ant2_6895



11AX20MIMO_Ant1_6995



11AX20MIMO_Ant2_6995



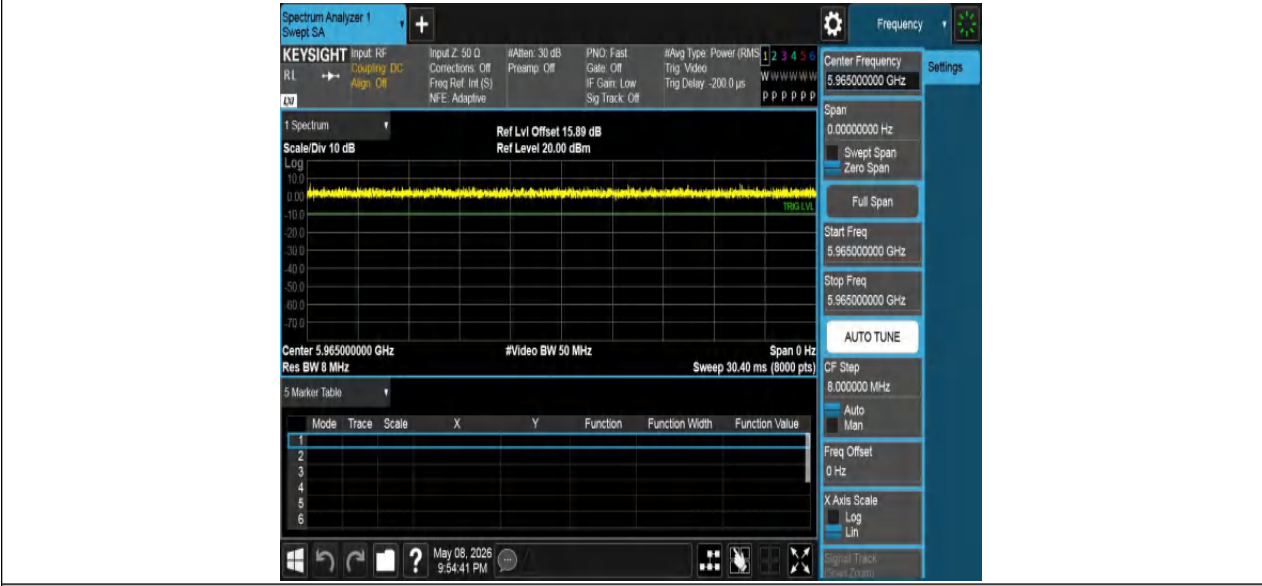
11AX20MIMO_Ant1_7115



11AX20MIMO_Ant2_7115



11AX40MIMO_Ant1_5965



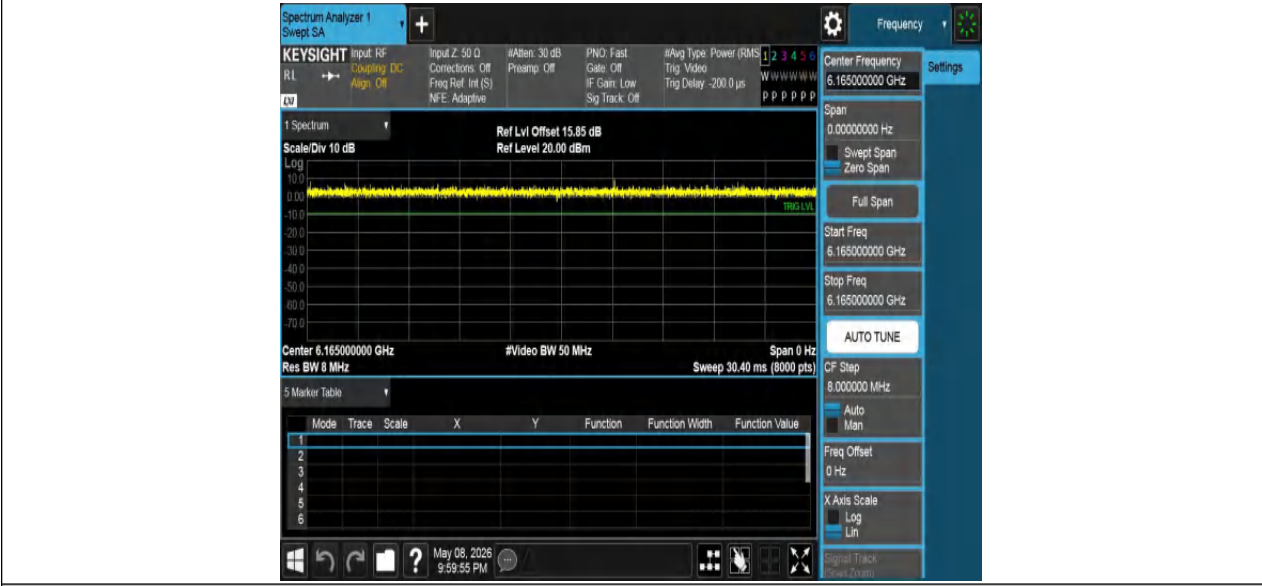
11AX40MIMO_Ant2_5965



11AX40MIMO_Ant1_6165



11AX40MIMO_Ant2_6165



11AX40MIMO_Ant1_6405



11AX40MIMO_Ant2_6405



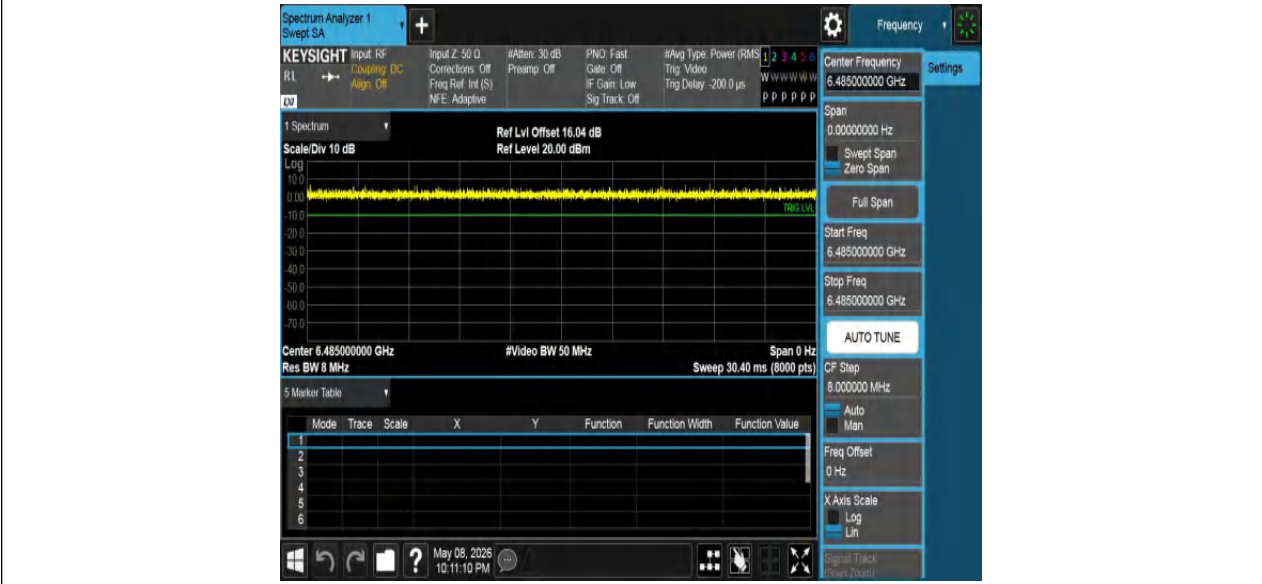
11AX40MIMO_Ant1_6445



11AX40MIMO_Ant2_6445



11AX40MIMO_Ant1_6485



11AX40MIMO_Ant2_6485



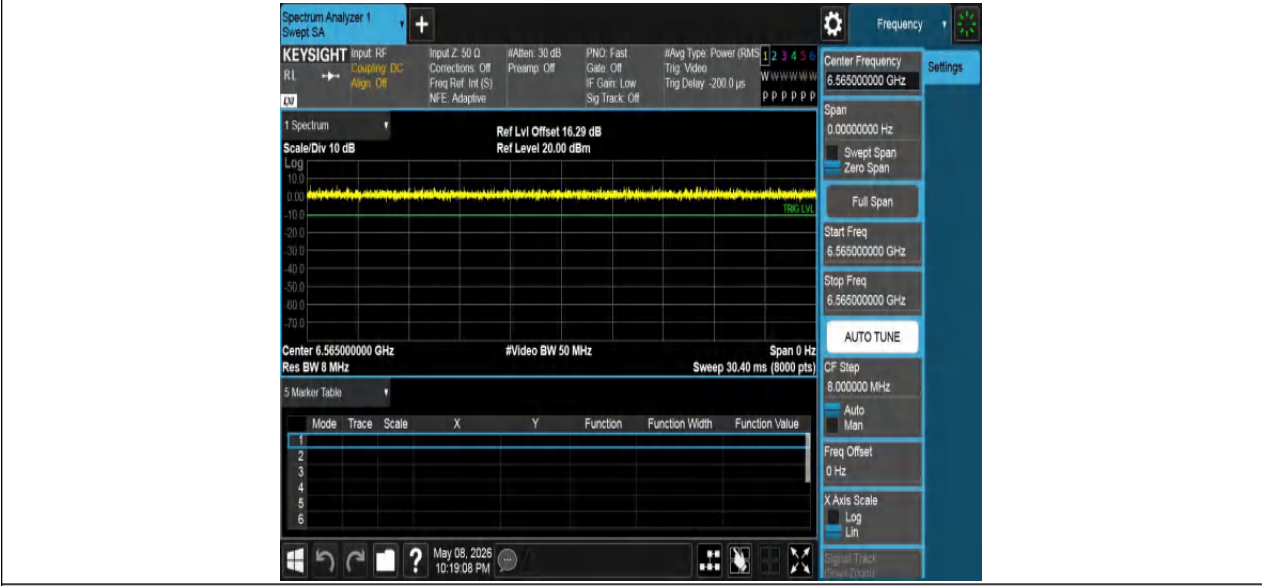
11AX40MIMO_Ant1_6525



11AX40MIMO_Ant2_6525



11AX40MIMO_Ant1_6565



11AX40MIMO_Ant2_6565



11AX40MIMO_Ant1_6685



11AX40MIMO_Ant2_6685



11AX40MIMO_Ant1_6845



11AX40MIMO_Ant2_6845



11AX40MIMO_Ant1_6885



11AX40MIMO_Ant2_6885



11AX40MIMO_Ant1_6925



11AX40MIMO_Ant2_6925



11AX40MIMO_Ant1_6965



11AX40MIMO_Ant2_6965



11AX40MIMO_Ant1_7085



11AX40MIMO_Ant2_7085



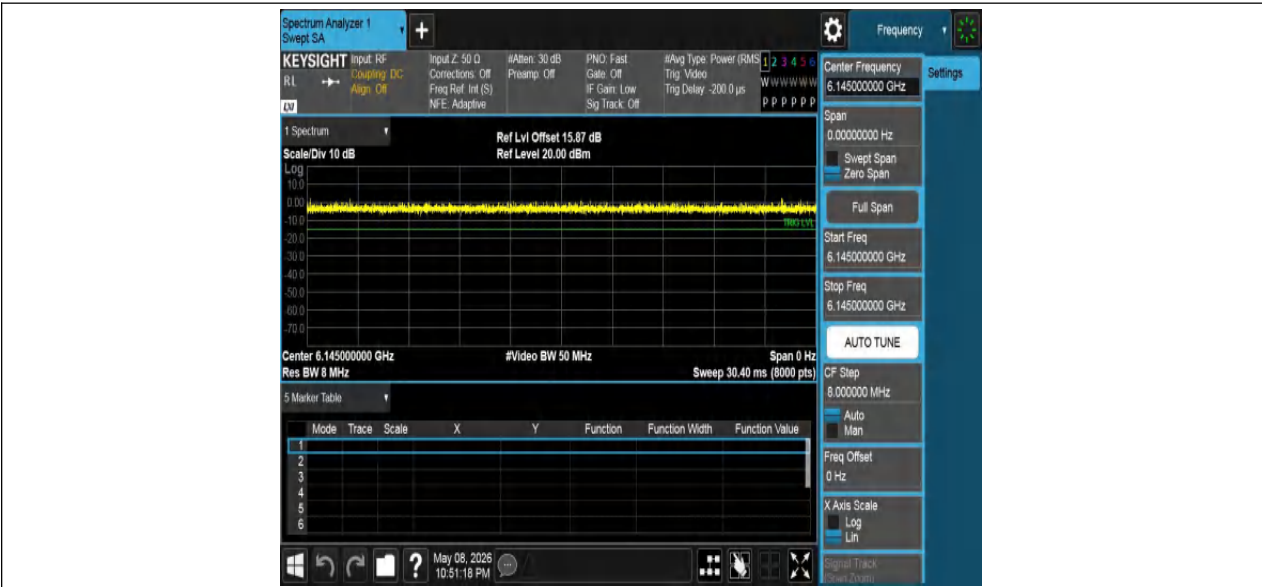
11AX80MIMO_Ant1_5985



11AX80MIMO_Ant2_5985



11AX80MIMO_Ant1_6145



11AX80MIMO_Ant2_6145



11AX80MIMO_Ant1_6385



11AX80MIMO_Ant2_6385



11AX80MIMO_Ant1_6465



11AX80MIMO_Ant2_6465



11AX80MIMO_Ant1_6545



11AX80MIMO_Ant2_6545



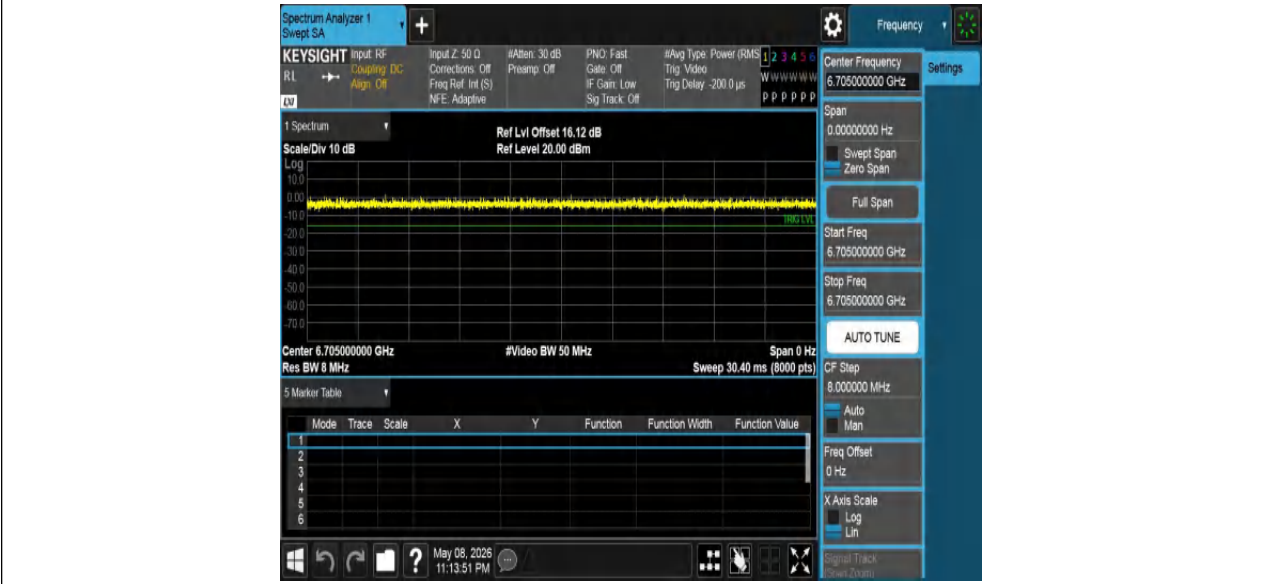
11AX80MIMO_Ant1_6625



11AX80MIMO_Ant2_6625



11AX80MIMO_Ant1_6705



11AX80MIMO_Ant2_6705



11AX80MIMO_Ant1_6785



11AX80MIMO_Ant2_6785



11AX80MIMO_Ant1_6865



11AX80MIMO_Ant2_6865



11AX80MIMO_Ant1_6945



11AX80MIMO_Ant2_6945



11AX80MIMO_Ant1_7025



9. 26 dB Bandwidth and 99% Occupied channel bandwidth

9.1. Block diagram of test setup

Same as section 8.1

9.2. Limits

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz

9.3. Test Procedure

(1) Connect the UUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 26dB Bandwidth: Approximately 1% of the emission bandwidth. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW.
VBW	For 26 dB Bandwidth: >3*RBW For 99 % Bandwidth: >3*RBW
Trace	Max hold
Sweep	Auto couple

(2) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

(3) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

9.4. Results

26dB bandwidth:

TestMode	Antenna	Channel	26db EBW (MHz)	FL(MHz)	FH(MHz)	Limit(MHz)	Verdict
11AX20MIMO	Ant1	5955	21.520	5944.360	5965.880	---	---
	Ant2	5955	20.800	5944.600	5965.400	---	---
	Ant1	6175	21.600	6164.520	6186.120	---	---
	Ant2	6175	21.480	6164.400	6185.880	---	---
	Ant1	6415	22.000	6404.120	6426.120	---	---
	Ant2	6415	20.960	6404.760	6425.720	---	---
	Ant1	6435	22.120	6423.480	6445.600	---	---
	Ant2	6435	21.320	6424.320	6445.640	---	---
	Ant1	6475	22.200	6464.040	6486.240	---	---
	Ant2	6475	20.360	6464.720	6485.080	---	---
	Ant1	6515	21.720	6504.520	6526.240	---	---
	Ant2	6515	21.400	6503.960	6525.360	---	---
	Ant1	6535	20.640	6524.960	6545.600	---	---
	Ant2	6535	21.920	6523.960	6545.880	---	---
	Ant1	6695	20.840	6684.400	6705.240	---	---
	Ant2	6695	20.880	6684.640	6705.520	---	---
	Ant1	6855	21.840	6844.080	6865.920	---	---
	Ant2	6855	21.400	6844.080	6865.480	---	---
	Ant1	6875	20.840	6864.160	6885.000	---	---
	Ant2	6875	21.360	6864.360	6885.720	---	---
	Ant1	6895	20.480	6884.480	6904.960	---	---
	Ant2	6895	21.480	6883.720	6905.200	---	---
	Ant1	6995	21.440	6984.280	7005.720	---	---
	Ant2	6995	22.160	6984.240	7006.400	---	---

	Ant1	7115	20.840	7104.280	7125.120	---	---
	Ant2	7115	22.000	7103.520	7125.520	---	---
11AX40MIMO	Ant1	5965	39.360	5945.320	5984.680	---	---
	Ant2	5965	39.040	5945.400	5984.440	---	---
	Ant1	6165	39.120	6145.400	6184.520	---	---
	Ant2	6165	39.040	6145.400	6184.440	---	---
	Ant1	6405	39.120	6385.400	6424.520	---	---
	Ant2	6405	39.120	6385.320	6424.440	---	---
	Ant1	6445	39.280	6425.320	6464.600	---	---
	Ant2	6445	39.360	6425.160	6464.520	---	---
	Ant1	6485	39.040	6465.400	6504.440	---	---
	Ant2	6485	39.120	6465.320	6504.440	---	---
	Ant1	6525	39.280	6505.400	6544.680	---	---
	Ant2	6525	39.360	6505.160	6544.520	---	---
	Ant1	6565	39.200	6545.320	6584.520	---	---
	Ant2	6565	39.040	6545.480	6584.520	---	---
	Ant1	6685	39.040	6665.400	6704.440	---	---
	Ant2	6685	39.440	6665.240	6704.680	---	---
	Ant1	6845	39.120	6825.400	6864.520	---	---
	Ant2	6845	38.960	6825.480	6864.440	---	---
	Ant1	6885	39.200	6865.400	6904.600	---	---
	Ant2	6885	39.200	6865.240	6904.440	---	---
	Ant1	6925	39.200	6905.400	6944.600	---	---
	Ant2	6925	39.120	6905.320	6944.440	---	---
	Ant1	6965	39.120	6945.400	6984.520	---	---
	Ant2	6965	39.120	6945.320	6984.440	---	---
	Ant1	7085	39.120	7065.400	7104.520	---	---
	Ant2	7085	39.360	7065.160	7104.520	---	---
11AX80MIMO	Ant1	5985	80.640	5944.680	6025.320	---	---
	Ant2	5985	79.840	5945.000	6024.840	---	---
	Ant1	6145	80.160	6105.000	6185.160	---	---
	Ant2	6145	80.320	6104.680	6185.000	---	---
	Ant1	6385	80.320	6344.680	6425.000	---	---
	Ant2	6385	80.000	6345.000	6425.000	---	---
	Ant1	6465	80.640	6424.520	6505.160	---	---
	Ant2	6465	80.160	6424.840	6505.000	---	---
	Ant1	6545	80.160	6504.840	6585.000	---	---
	Ant2	6545	79.840	6505.000	6584.840	---	---
	Ant1	6625	80.320	6584.680	6665.000	---	---
	Ant2	6625	80.000	6585.000	6665.000	---	---
	Ant1	6705	80.320	6664.840	6745.160	---	---
	Ant2	6705	80.000	6664.840	6744.840	---	---
	Ant1	6785	80.480	6744.680	6825.160	---	---
	Ant2	6785	79.840	6745.000	6824.840	---	---
	Ant1	6865	80.320	6824.840	6905.160	---	---
	Ant2	6865	80.160	6824.840	6905.000	---	---
	Ant1	6945	80.160	6904.840	6985.000	---	---
	Ant2	6945	80.000	6905.000	6985.000	---	---
	Ant1	7025	80.160	6985.000	7065.160	---	---
	Ant2	7025	79.840	6985.000	7064.840	---	---

99% Occupied bandwidth

TestMode	Antenna	Channel	OCB (MHz)	FL(MHz)	FH(MHz)	Limit(MHz)	Verdict
11AX20MIMO	Ant1	5955	19.087	5945.4237	5964.5107	≤320	PASS
	Ant2	5955	19.126	5945.4117	5964.5377	≤320	PASS
	Ant1	6175	19.082	6165.4539	6184.5359	≤320	PASS
	Ant2	6175	19.144	6165.4201	6184.5641	≤320	PASS
	Ant1	6415	19.166	6405.3969	6424.5629	≤320	PASS
	Ant2	6415	19.045	6405.4577	6424.5027	≤320	PASS
	Ant1	6435	19.194	6425.3836	6444.5776	≤320	PASS
	Ant2	6435	19.125	6425.3944	6444.5194	≤320	PASS
	Ant1	6475	19.124	6465.3967	6484.5207	≤320	PASS
	Ant2	6475	19.180	6465.4084	6484.5884	≤320	PASS
	Ant1	6515	19.134	6505.4045	6524.5385	≤320	PASS
	Ant2	6515	19.161	6505.3463	6524.5073	≤320	PASS
	Ant1	6535	19.154	6525.3756	6544.5296	≤320	PASS
	Ant2	6535	19.159	6525.4115	6544.5705	≤320	PASS
	Ant1	6695	19.226	6685.3147	6704.5407	≤320	PASS
	Ant2	6695	19.181	6685.3458	6704.5268	≤320	PASS
	Ant1	6855	19.236	6845.3838	6864.6198	≤320	PASS
	Ant2	6855	19.284	6845.2869	6864.5709	≤320	PASS
	Ant1	6875	19.190	6865.3752	6884.5652	≤320	PASS
	Ant2	6875	19.080	6865.4308	6884.5108	≤320	PASS
	Ant1	6895	19.100	6885.4149	6904.5149	≤320	PASS
	Ant2	6895	19.122	6885.3984	6904.5204	≤320	PASS
	Ant1	6995	19.137	6985.3982	7004.5352	≤320	PASS
	Ant2	6995	19.132	6985.3963	7004.5283	≤320	PASS
	Ant1	7115	19.097	7105.4133	7124.5103	≤320	PASS
	Ant2	7115	19.124	7105.4090	7124.5330	≤320	PASS
11AX40MIMO	Ant1	5965	37.661	5946.1111	5983.7721	≤320	PASS
	Ant2	5965	37.668	5946.1575	5983.8255	≤320	PASS
	Ant1	6165	37.756	6146.0998	6183.8558	≤320	PASS
	Ant2	6165	37.687	6146.0693	6183.7563	≤320	PASS
	Ant1	6405	37.843	6385.9804	6423.8234	≤320	PASS
	Ant2	6405	37.552	6386.2130	6423.7650	≤320	PASS
	Ant1	6445	37.661	6426.1330	6463.7940	≤320	PASS
	Ant2	6445	37.627	6426.1144	6463.7414	≤320	PASS
	Ant1	6485	37.891	6465.9819	6503.8729	≤320	PASS
	Ant2	6485	37.548	6466.1462	6503.6942	≤320	PASS
	Ant1	6525	37.861	6506.0344	6543.8954	≤320	PASS
	Ant2	6525	37.532	6506.1037	6543.6357	≤320	PASS
	Ant1	6565	37.794	6546.0673	6583.8613	≤320	PASS
	Ant2	6565	37.578	6546.0985	6583.6765	≤320	PASS
	Ant1	6685	37.834	6666.0134	6703.8474	≤320	PASS
	Ant2	6685	37.671	6666.1173	6703.7883	≤320	PASS
	Ant1	6845	37.831	6826.0542	6863.8852	≤320	PASS
	Ant2	6845	37.725	6826.0959	6863.8209	≤320	PASS
	Ant1	6885	37.847	6865.9772	6903.8242	≤320	PASS
	Ant2	6885	37.602	6866.1932	6903.7952	≤320	PASS
	Ant1	6925	37.780	6905.9993	6943.7793	≤320	PASS
	Ant2	6925	37.706	6906.0832	6943.7892	≤320	PASS
	Ant1	6965	37.718	6946.1197	6983.8377	≤320	PASS
	Ant2	6965	37.629	6946.1587	6983.7877	≤320	PASS

	Ant1	7085	37.756	7066.0561	7103.8121	≤320	PASS
	Ant2	7085	37.670	7066.0837	7103.7537	≤320	PASS
11AX80MIMO	Ant1	5985	77.984	5945.8890	6023.8730	≤320	PASS
	Ant2	5985	77.562	5946.1044	6023.6664	≤320	PASS
	Ant1	6145	78.071	6105.9504	6184.0214	≤320	PASS
	Ant2	6145	77.561	6106.0666	6183.6276	≤320	PASS
	Ant1	6385	78.007	6345.9109	6423.9179	≤320	PASS
	Ant2	6385	77.589	6346.0575	6423.6465	≤320	PASS
	Ant1	6465	78.258	6425.7512	6504.0092	≤320	PASS
	Ant2	6465	77.524	6426.1007	6503.6247	≤320	PASS
	Ant1	6545	78.166	6505.7426	6583.9086	≤320	PASS
	Ant2	6545	77.456	6506.1478	6583.6038	≤320	PASS
	Ant1	6625	78.318	6585.7800	6664.0980	≤320	PASS
	Ant2	6625	77.665	6586.0549	6663.7199	≤320	PASS
	Ant1	6705	78.130	6665.8781	6744.0081	≤320	PASS
	Ant2	6705	77.712	6666.0762	6743.7882	≤320	PASS
	Ant1	6785	78.016	6745.9716	6823.9876	≤320	PASS
	Ant2	6785	77.512	6746.2122	6823.7242	≤320	PASS
	Ant1	6865	78.065	6826.0123	6904.0773	≤320	PASS
	Ant2	6865	77.823	6826.0239	6903.8469	≤320	PASS
	Ant1	6945	78.107	6905.9528	6984.0598	≤320	PASS
	Ant2	6945	78.057	6905.7266	6983.7836	≤320	PASS
	Ant1	7025	77.956	6986.0172	7063.9732	≤320	PASS
	Ant2	7025	78.008	6985.8693	7063.8773	≤320	PASS

9.5. Original test data

26dB bandwidth:







11AX20MIMO_Ant2_6435



11AX20MIMO_Ant1_6475



11AX20MIMO_Ant2_6475



11AX20MIMO_Ant1_6515



11AX20MIMO_Ant2_6515



11AX20MIMO_Ant1_6535



11AX20MIMO_Ant2_6535



11AX20MIMO_Ant1_6695



11AX20MIMO_Ant2_6695



11AX20MIMO_Ant1_6855



11AX20MIMO_Ant2_6855



11AX20MIMO_Ant1_6875



11AX20MIMO_Ant2_6875



11AX20MIMO_Ant1_6895



11AX20MIMO_Ant2_6895



11AX20MIMO_Ant1_6995



11AX20MIMO_Ant2_6995



11AX20MIMO_Ant1_7115



11AX20MIMO_Ant2_7115



11AX40MIMO_Ant1_5965



11AX40MIMO_Ant2_5965



11AX40MIMO_Ant1_6165



11AX40MIMO_Ant2_6165



11AX40MIMO_Ant1_6405



11AX40MIMO_Ant2_6405



11AX40MIMO_Ant1_6445



11AX40MIMO_Ant2_6445



11AX40MIMO_Ant1_6485



11AX40MIMO_Ant2_6485



11AX40MIMO_Ant1_6525



11AX40MIMO_Ant2_6525



11AX40MIMO_Ant1_6565



11AX40MIMO_Ant2_6565



11AX40MIMO_Ant1_6685



11AX40MIMO_Ant2_6685



11AX40MIMO_Ant1_6845