



RF MEASUREMENT REPORT

FCC ID: TV7MA53BE652
Applicant: Mikrotiks SIA
Product: hAP be³ Media
Model No.: MA53UG+HbeH
Brand Name: MikroTik
FCC Classification: Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s): Part 15 Subpart E (Section 15.407)
Result: Complies
Received Date: 2025-12-12
Test Date: 2026-01-03 ~ 2026-03-16

Reviewed By:

Vincent Yu

Vincent Yu

Approved By:

Robin Wu

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1028126-U203	V01	Initial Report	2026-03-30	Invalid
R25S1028126-U203	V02	Add the plots of radiated spurious emissions from 1 GHz to 18 GHz, and update the antenna gain in Clause 1.7	2026-04-09	Invalid
R25S1028126-U203	V03	Correct Model No.	2026-05-12	Valid

CONTENTS

Description	Page
1. General Information	6
1.1. Applicant	6
1.2. Manufacturer	6
1.3. Testing Facility	6
1.4. Product Information	7
1.5. Radio Specification under Test	7
1.6. Working Frequencies	8
1.7. Antenna Details	9
2. Test Configuration	10
2.1. Test Mode	10
2.2. Test System Connection Diagram	11
2.3. Test Software	11
2.4. Applied Standards	11
2.5. Test Environment Condition	12
3. Antenna Requirements	13
4. Measuring Instrument	14
5. Decision Rules and Measurement Uncertainty	15
5.1. Decision Rules	15
5.2. Measurement Uncertainty	15
6. Test Result	16
6.1. Summary	16
6.2. 26 dB & 99% Bandwidth Measurement	17
6.2.1. Test Limit	17
6.2.2. Test Procedure	17
6.2.3. Test Setting	17
6.2.4. Test Setup	17
6.2.5. Test Result	18
6.3. 6 dB Bandwidth Measurement	19
6.3.1. Test Limit	19
6.3.2. Test Procedure	19
6.3.3. Test Setting	19
6.3.4. Test Setup	19
6.3.5. Test Result	19
6.4. Output Power Measurement	20
6.4.1. Test Limit	20

6.4.2.	Test Procedure	20
6.4.3.	Test Setting	20
6.4.4.	Test Setup.....	20
6.4.5.	Test Result	20
6.5.	Transmit Power Control Measurement.....	21
6.5.1.	Test Limit.....	21
6.5.2.	Test Procedure	21
6.5.3.	Test Setting	21
6.5.4.	Test Setup.....	21
6.5.5.	Test Result	21
6.6.	Power Spectral Density Measurement.....	22
6.6.1.	Test Limit.....	22
6.6.2.	Test Procedure	22
6.6.3.	Test Setting	22
6.6.4.	Test Setup.....	23
6.6.5.	Test Result	23
6.7.	Frequency Stability Measurement.....	24
6.7.1.	Test Limit.....	24
6.7.2.	Test Procedure	24
6.7.3.	Test Setup.....	24
6.7.4.	Test Result	25
6.8.	Radiated Spurious Emissions Measurement	26
6.8.1.	Test Limit.....	26
6.8.2.	Test Procedure	26
6.8.3.	Test Setting	26
6.8.4.	Test Setup.....	28
6.8.5.	Test Result	29
6.9.	Radiated Restricted Band Edge Measurement.....	30
6.9.1.	Test Limit.....	30
6.9.2.	Test Procedure	32
6.9.3.	Test Setting	32
6.9.4.	Test Setup.....	33
6.9.5.	Test Result	33
6.10.	AC Conducted Emissions Measurement.....	34
6.10.1.	Test Limit.....	34
6.10.2.	Test Setup.....	34
6.10.3.	Test Result	34

Appendix A - Test Result.....35

A.1	Duty Cycle Test Result.....	35
-----	-----------------------------	----

A.2	26 dB Bandwidth Test Result	38
A.3	6 dB Bandwidth Test Result	62
A.4	Output Power Test Result	70
A.5	Power Spectral Density Test Result	74
A.6	Frequency Stability Test Result	118
A.7	Radiated Spurious Emissions Test Result	119
A.8	Radiated Restricted Band Edge Test Result	235
A.9	AC Conducted Emissions Test Result	433
Appendix B - Test Setup Photograph		435
Appendix C - EUT Photograph		436

1. General Information

1.1. Applicant

Mikrotikls SIA

Ūnijas iela 2, Rīga, LV-1039, LATVIA

1.2. Manufacturer

Mikrotikls SIA

Ūnijas iela 2, Rīga, LV-1039, LATVIA

1.3. Testing Facility

☒	Test Site - MRT Suzhou Laboratory	
	Laboratory Location (Suzhou - Wuzhong)	
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China	
	Laboratory Location (Suzhou - SIP)	
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
	Laboratory Location (Suzhou - Wujiang)	
	Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China	
☐	Laboratory Accreditations	
	A2LA: 3628.01	CNAS: L10551
	FCC: CN1166	ISED: CN0001
	Test Site - MRT Shenzhen Laboratory	
	Laboratory Location (Shenzhen)	
☐	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China	
	Laboratory Accreditations	
	A2LA: 3628.02	
	FCC: CN1284	ISED: CN0105
	Test Site - MRT Taiwan Laboratory	
☐	Laboratory Location (Taiwan)	
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
	Laboratory Accreditations	
	TAF: 3261	
	FCC: 291082, TW3261	ISED: TW3261

1.4. Product Information

Product Name	hAP be ³ Media
Model No.	MA53UG+HbeH
Brand Name	MikroTik
EUT Identification No.	251212S#11 (Conducted) 251212S#12 (Radiated)
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Bluetooth Specification	BLE only
Antenna Information	Refer to section 1.7
Operating Temp.	-30 °C ~ +50 °C
Power Type	AC Adapter Input or PoE Input
Accessory(ies)	
Adapter	Model No.: SAW36-240-1500U Input Power: 100 - 240 V ~ 50/60 Hz, 1.3 A Output Power: 24.0 VDC 1.5 A
Note: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	UNII-1: 5150 ~ 5250 MHz UNII-2A: 5250 ~ 5350 MHz UNII-2C: 5470 ~ 5725 MHz UNII-3: 5725 ~ 5850 MHz	
Modulation Technology	802.11a/n/ac: OFDM 802.11ax/be: OFDMA (up to 4096-QAM)	
Data Rate	802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2402 Mbps 802.11be: up to 2882 Mbps	
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20

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

802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550 MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
142	5710 MHz	151	5755 MHz	159	5795 MHz

802.11ac-VHT80/ax-HE80/be-EHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	155	5775 MHz

802.11ac-VHT160/ax-HE160/be-EHT160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250 MHz	114	5570 MHz	--	--

1.7. Antenna Details

Antenna Type	Frequency (MHz)	Tx Paths	Antenna Gain (dBi)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Wi-Fi Antenna					
Internal Antenna	2400 ~ 2483.5	2	4.0	4.0	7.01
	5150 ~ 5850	2	8.0	8.0	11.01
	5925 ~ 7125	2	8.0	8.0	11.01
Note: The EUT supports Cyclic Delay Diversity (CDD) mode.					

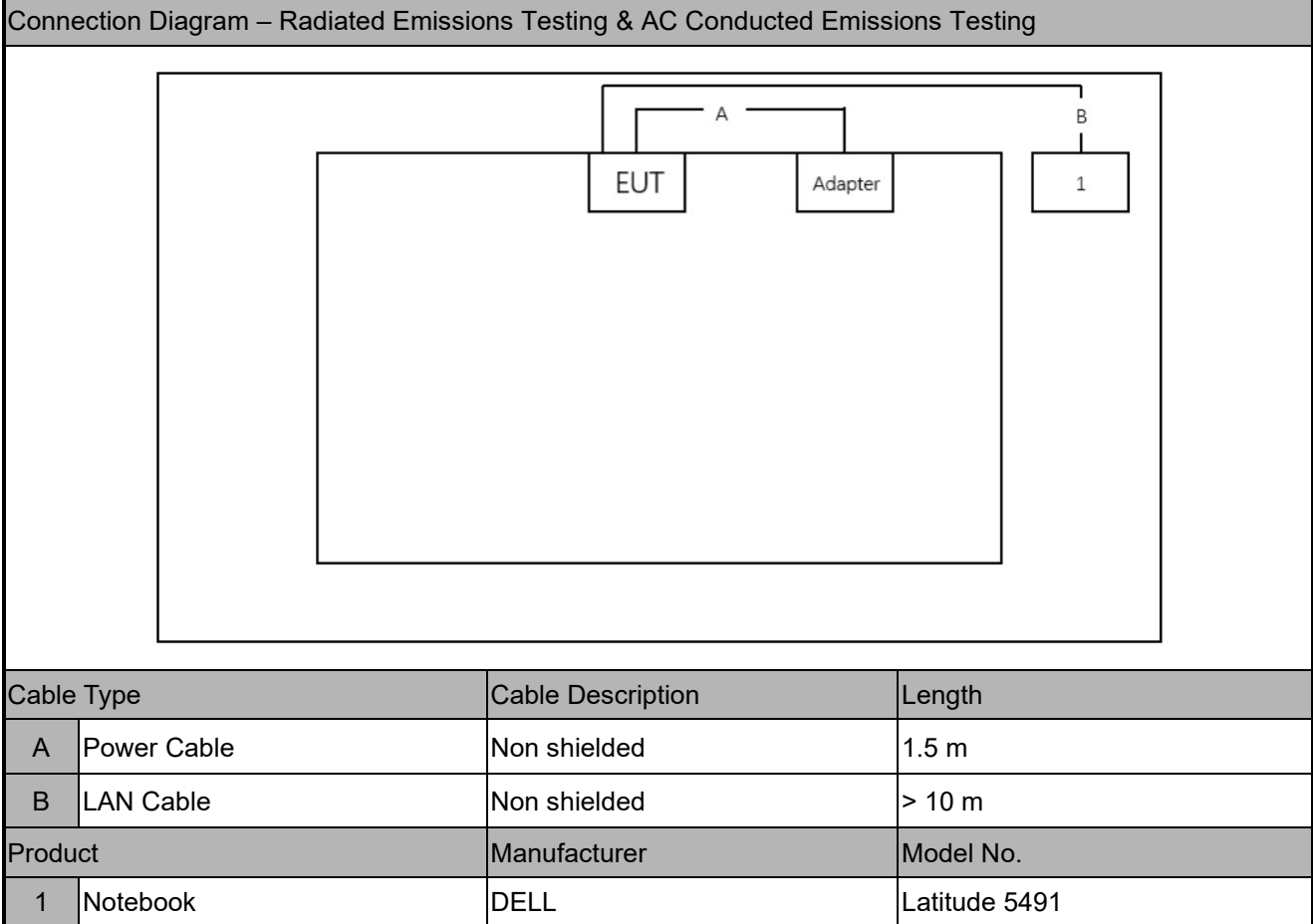
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 802.11a (6 Mbps)
Mode 2: Transmit by 802.11ac-VHT20 (MCS0)
Mode 3: Transmit by 802.11ac-VHT40 (MCS0)
Mode 4: Transmit by 802.11ac-VHT80 (MCS0)
Mode 5: Transmit by 802.11ac-VHT160 (MCS0)
Mode 6: Transmit by 802.11ax-HE20 (MCS0)
Mode 7: Transmit by 802.11ax-HE40 (MCS0)
Mode 8: Transmit by 802.11ax-HE80 (MCS0)
Mode 9: Transmit by 802.11ax-HE160 (MCS0)
Mode 10: Transmit by 802.11be-EHT20 (MCS0)
Mode 11: Transmit by 802.11be-EHT40 (MCS0)
Mode 12: Transmit by 802.11be-EHT80 (MCS0)
Mode 13: Transmit by 802.11be-EHT160 (MCS0)
<p>Note 1: 802.11n (HT) and 802.11ac (VHT) modes are both OFDM-based technologies and are configured with the same output power settings as declared by the manufacturer. Based on this technical rationale, 802.11ac was selected as the representative mode for RF testing. Therefore, only the 802.11ac test data are presented in this report.</p> <p>Note 2: All applicable modes of operation and data rates were investigated. The RF test requirements were performed on the selected representative worst-case configurations with the highest measured output power.</p> <p>Note 3: For CDD mode, this device supports 2 N_{ss} and power level is the same of spatial multiplexing. The worst case is $N_{ss} = 1$.</p>

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10-2020 was used to reference the appropriate EUT setup for radiated emissions testing and AC conducted emissions testing.



2.3. Test Software

The test utility software used during testing was “Winbox” and the version was “3.43”.

2.4. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02 v02r01
- KDB 662911 D01 v02r01
- ANSI C63.10-2020
- ANSI C63.10-2020/Cor1-2023
- ANSI C63.10a-2024

2.5. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2026-12-03	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2026-07-19	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2026-09-12	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2026-11-06	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2026-05-11	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2026-04-17	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2026-09-28	WZ-AC1/WZ-AC2
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2026-12-27	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11039	1 year	2026-10-08	WZ-AC1
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2026-04-17	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2026-10-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2026-11-02	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2026-12-29	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2026-09-12	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2026-03-18	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2026-04-26	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE06402	1 year	2026-04-24	WZ-SR5
Shielding Room	HUAMING	WZ-SR5	MRTSUE06442	N/A	N/A	WZ-SR5
USB Power Sensor	Keysight	U2021XA	MRTSUE06447	1 year	2026-06-17	WZ-SR5
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2026-04-26	WZ-SR5/WZ-TR3
RF Cable	UCwave	UCE500	MRTSUE07371	1 year	2026-07-20	WZ-SR5
Attenuator	MVE	MVE2213	MRTSUE11094	1 year	2026-06-02	WZ-SR5
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2026-04-26	WZ-SR2
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2026-04-24	WZ-SR2
Four-Line V-Network	R&S	ENV432	MRTSUE06615	1 year	2026-08-31	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2026-08-31	WZ-SR2
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2026-08-31	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE11268	1 year	2026-12-09	WZ-TR3

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	2.03C	RE Antenna & Turntable
Controller_MF 7802	1.02	RE Antenna & Turntable
Agilent Power Panel	V 3.9	Power

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.

(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
9 kHz ~ 150 kHz:	3.59 dB
150 kHz ~ 30 MHz:	3.20 dB
Radiated Emission Measurement	
The maximum measurement uncertainty is evaluated as:	
Coaxial:	9 kHz ~ 30 MHz: 2.56 dB
Coplanar:	9 kHz ~ 30 MHz: 2.55 dB
Horizontal:	30 MHz ~ 200 MHz: 3.48 dB
	200 MHz ~ 1 GHz: 4.17 dB
	1 GHz ~ 40 GHz: 5.01 dB
Vertical:	30 MHz ~ 200 MHz: 4.09 dB
	200 MHz ~ 1 GHz: 5.30 dB
	1 GHz ~ 40 GHz: 4.85 dB
Spurious Emissions, Conducted	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 2.9 dB	
Output Power	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 1.4 dB	
Power Spectrum Density	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 2.9 dB	
Occupied Bandwidth	
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 2.6%	

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)	26 dB Bandwidth	Conducted	Pass
15.407(e)	6 dB Bandwidth		Pass
15.407(a)(1)(ii), (2), (3)(i)	Maximum Conducted Output Power		Pass
15.407(h)(1)	Transmit Power Control		Pass
15.407(g)	Frequency Stability		Pass
15.407(a)(1)(ii), (2), (3)(i), (13)	Peak Power Spectral Density		Pass
15.407(h)(2)	Dynamic Frequency Selection (DFS)		Pass ^{Note 3}
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	Radiated	Pass
15.205, 15.209 15.407(b)(8), (9), (10)	General Field Strength (Restricted Bands and Radiated Emissions)		Pass
15.207	AC Conducted Emissions 150 kHz - 30 MHz	Line Conducted	Pass

Notes:

1. The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.
2. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
3. DFS report refer to R25S1028126-U204.

6.2. 26 dB & 99% Bandwidth Measurement

6.2.1. Test Limit

N/A

6.2.2. Test Procedure

KDB 789033 D02 v02r01 - Section II - C.1 (26 dB Bandwidth)

KDB 789033 D02 v02r01 - Section II - D (99% Bandwidth)

6.2.3. Test Setting

26 dB Bandwidth

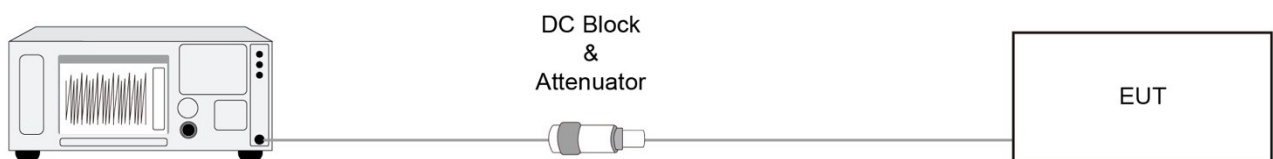
1. The analyzers' automatic bandwidth measurement capability was used to perform the 26 dB bandwidth
2. RBW = Approximately 1% of the emission bandwidth
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Span = 1.5 times to 5.0 times the OBW
3. RBW = 1% to 5% of the OBW
4. VBW $\geq 3 \times$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument

6.2.4. Test Setup

Spectrum Analyzer



6.2.5. Test Result

Refer to Appendix A.2.

6.3. 6 dB Bandwidth Measurement

6.3.1. Test Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

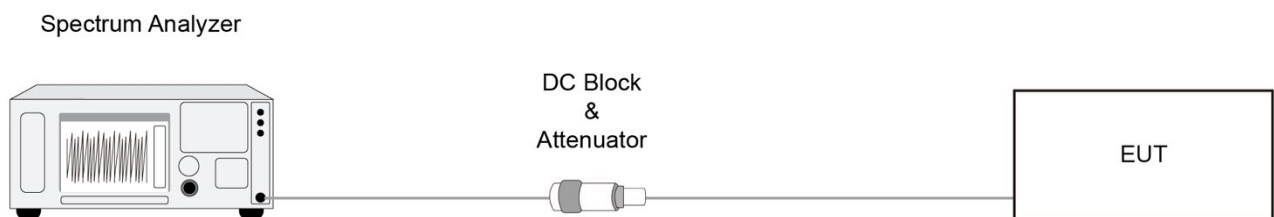
6.3.2. Test Procedure

KDB 789033 D02 v02r01 - Section II - C.2

6.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency
2. RBW = 100 kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize
8. 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 6 dB relative to the maximum level measured in the fundamental emission

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.3.

6.4. Output Power Measurement

6.4.1. Test Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30 dBm).

If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.4.2. Test Procedure

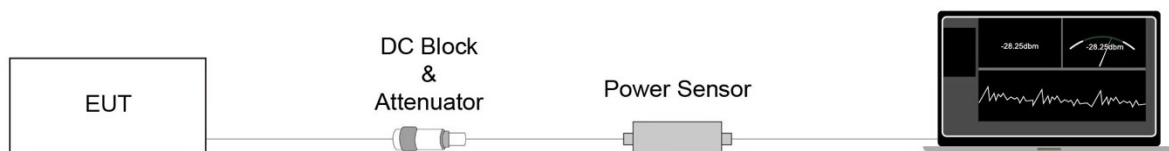
KDB 789033 D02 v02r01 - Section II - E.3.b (Method PM-G)

6.4.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.4.

6.5. Transmit Power Control Measurement

6.5.1. Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

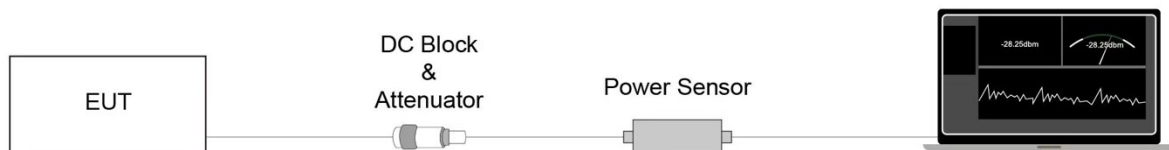
6.5.2. Test Procedure

KDB 789033 D02 v02r01 - Section II - E.3.b (Method PM-G)

6.5.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

6.5.4. Test Setup



6.5.5. Test Result

Device supports TPC mechanism, details refer to the operational description.

6.6. Power Spectral Density Measurement

6.6.1. Test Limit

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.6.2. Test Procedure

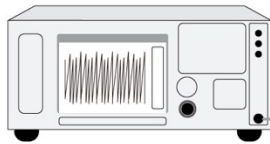
KDB 789033 D02 v02r01 - Section II - F

6.6.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26 dB EBW of the signal.
3. RBW = 1 MHz (510 kHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz)
4. VBW $\geq 3 \times$ RBW
5. Number of sweep points $\geq 2 \times$ (Span / RBW)
6. Detector = Power averaging (RMS)
7. Sweep time = Auto
8. Trigger = Free run
9. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
10. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
11. If duty cycle < 98%, add $10 \times \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \times \log(1/0.25) = 6$ dB if the duty cycle is 25 percent; If duty cycle $\geq 98\%$, no need to add $10 \times \log(1/x)$.

6.6.4. Test Setup

Spectrum Analyzer



DC Block
&
Attenuator



EUT



6.6.5. Test Result

Refer to Appendix A.5.

6.7. Frequency Stability Measurement

6.7.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

6.7.2. Test Procedure

Frequency Stability Under Temperature Variations:

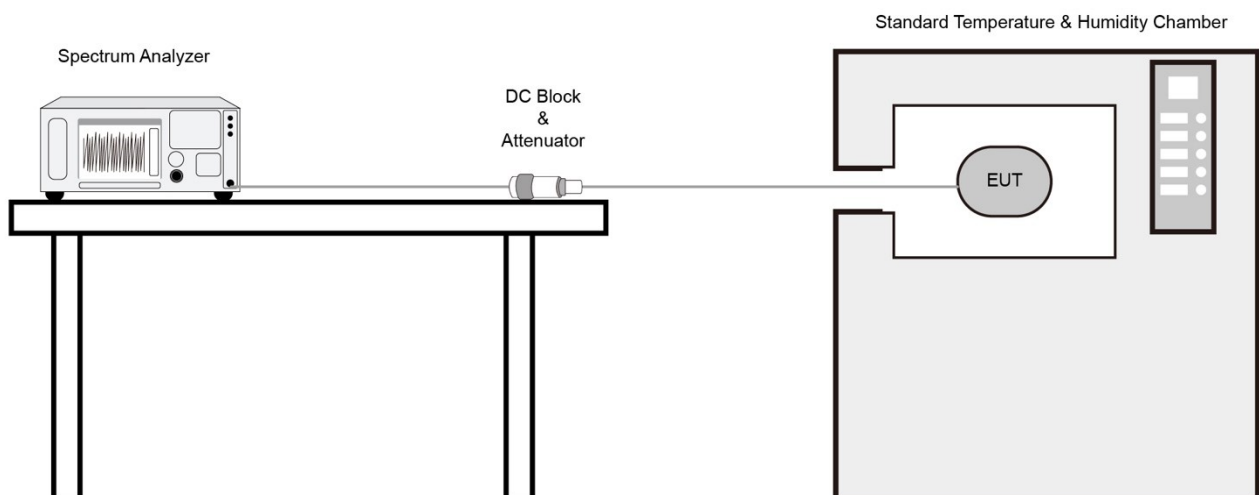
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

6.7.3. Test Setup



6.7.4. Test Result

Refer to Appendix A.6.

6.8. Radiated Spurious Emissions Measurement

6.8.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.8.2. Test Procedure

KDB 789033 D02 v02r01 - Section II - G

6.8.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1 GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1 MHz
3. RBW = as specified in Table 1
4. $VBW \geq 3 \times RBW$
5. Detector = CISPR quasi-peak
6. Sweep time = Auto couple
7. Trace was allowed to stabilize

Peak Measurements above 1 GHz

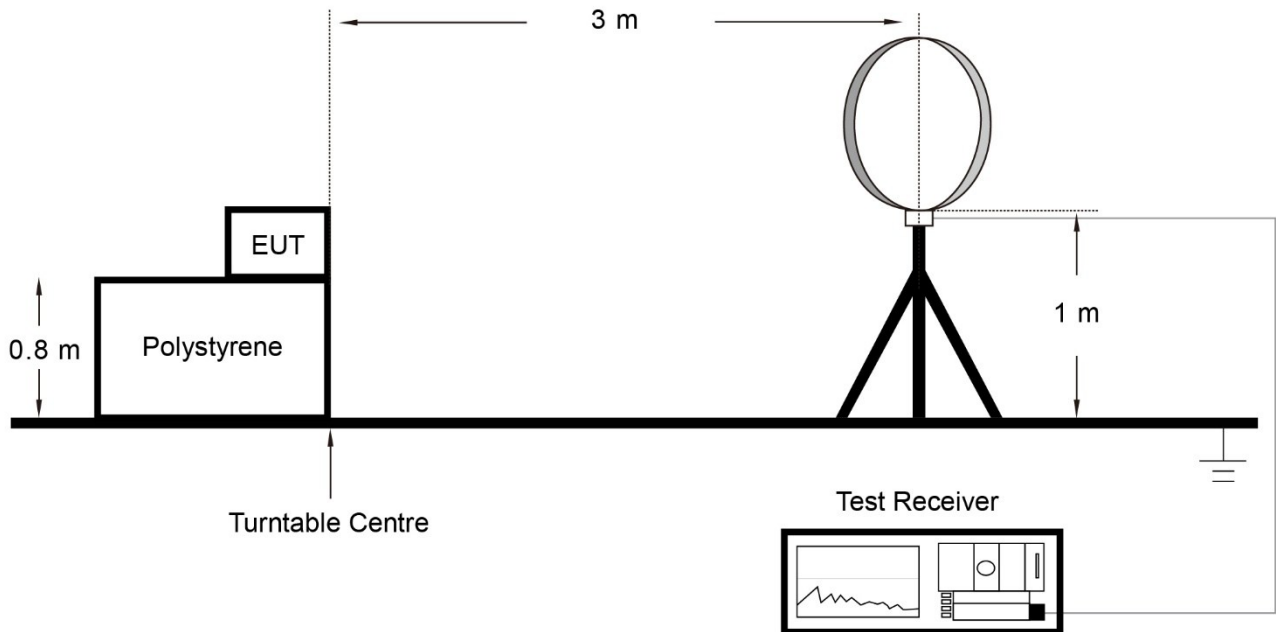
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1 GHz (Method VB)

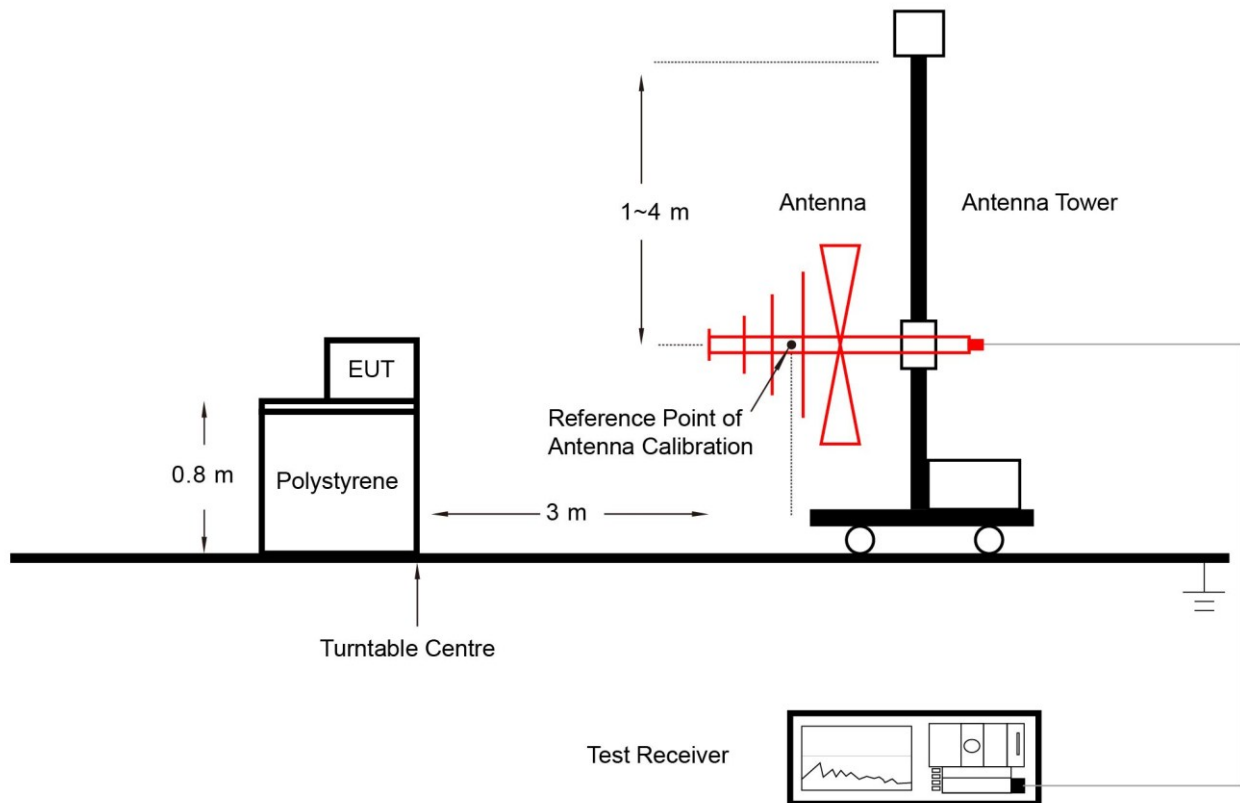
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz
If the EUT duty cycle is $< 98\%$, set $VBW \geq 1/T$. T is the minimum transmission duration.
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

6.8.4. Test Setup

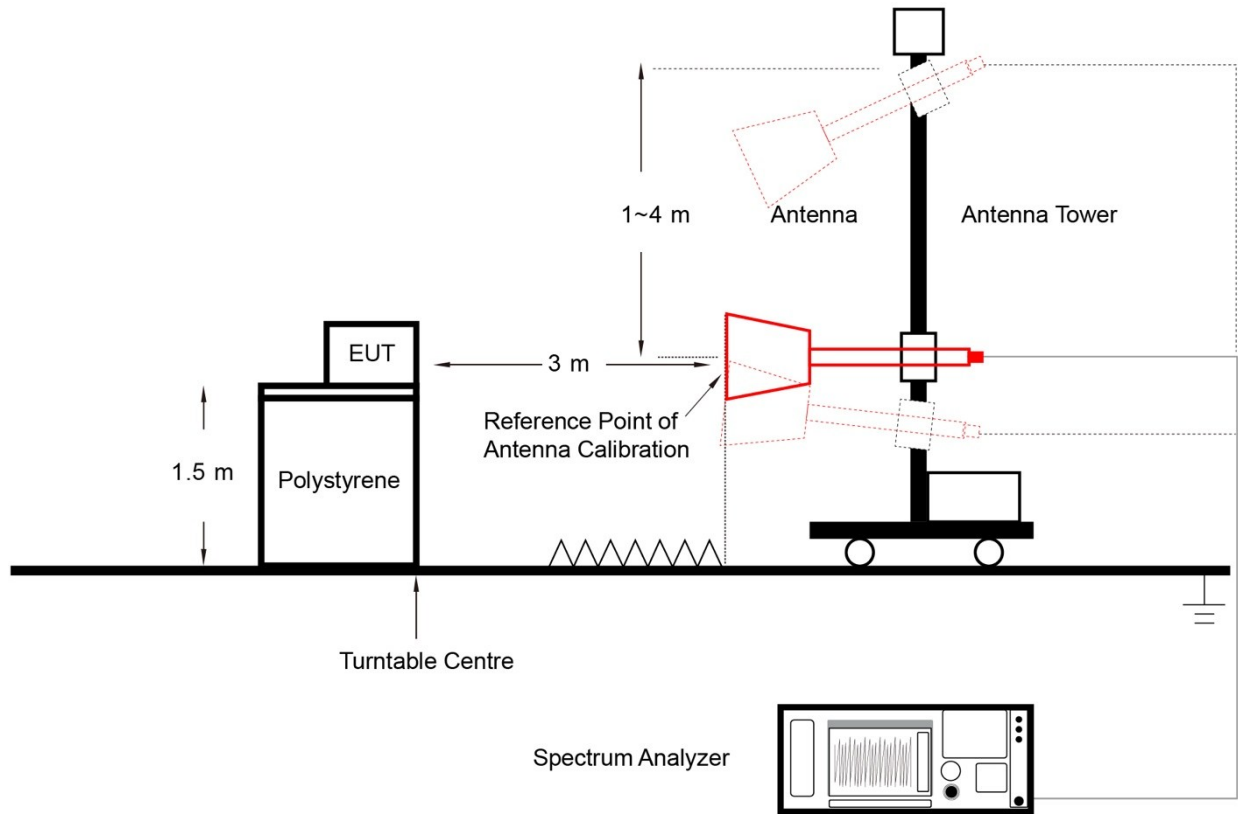
Below 30 MHz Test Setup:



Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



6.8.5. Test Result

Refer to Appendix A.7.

6.9. Radiated Restricted Band Edge Measurement

6.9.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

For 15.407(b) requirement:

For transmitters operating in the band 5150-5250 MHz:

All emissions outside of the band 5150-5350 MHz shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the band 5250-5350 MHz:

All emissions outside of the band 5150-5350 MHz shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the band 5470-5725 MHz:

All emissions outside of the band 5470-5725 MHz shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the band 5725-5850 MHz:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02 v02r01 - Section II - G.2.c, as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.9.2. Test Procedure

KDB 789033 D02 v02r01 - Section II - G

6.9.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

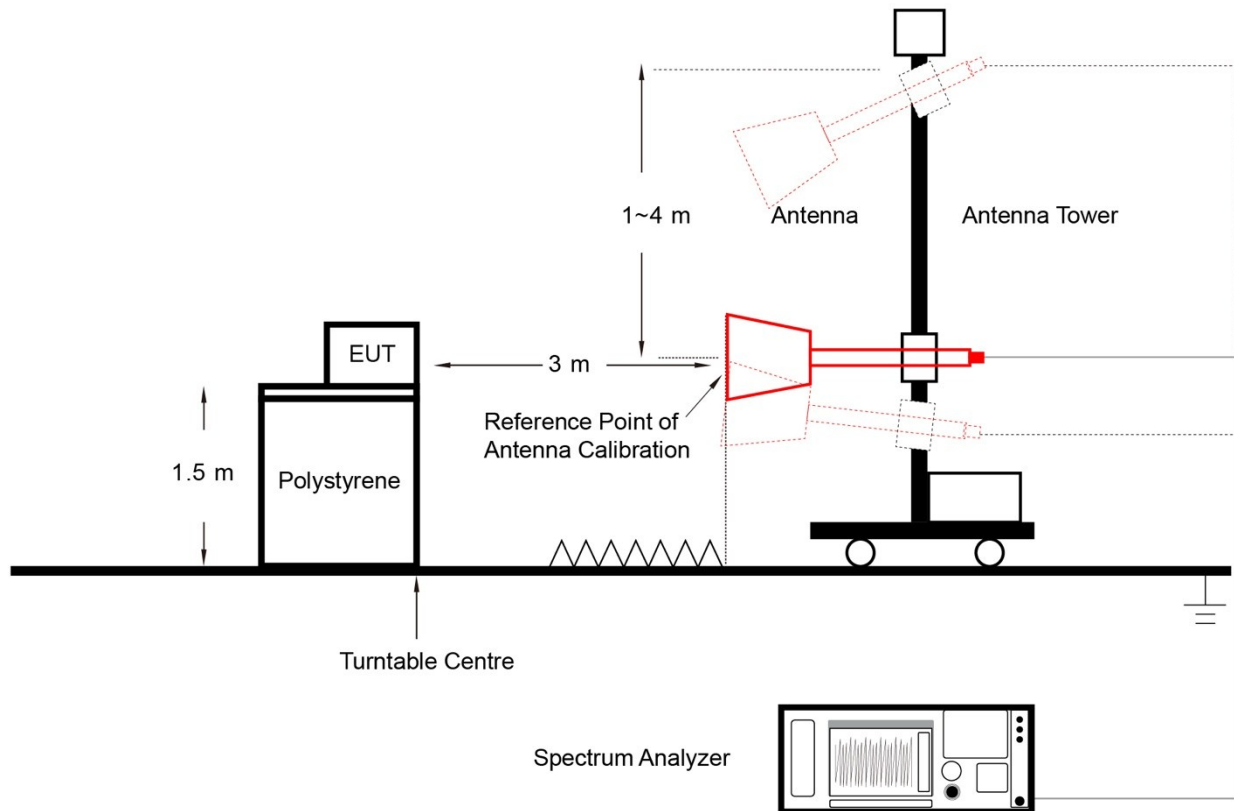
Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.

If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.

4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

6.9.4. Test Setup



6.9.5. Test Result

Refer to Appendix A.8.

6.10. AC Conducted Emissions Measurement

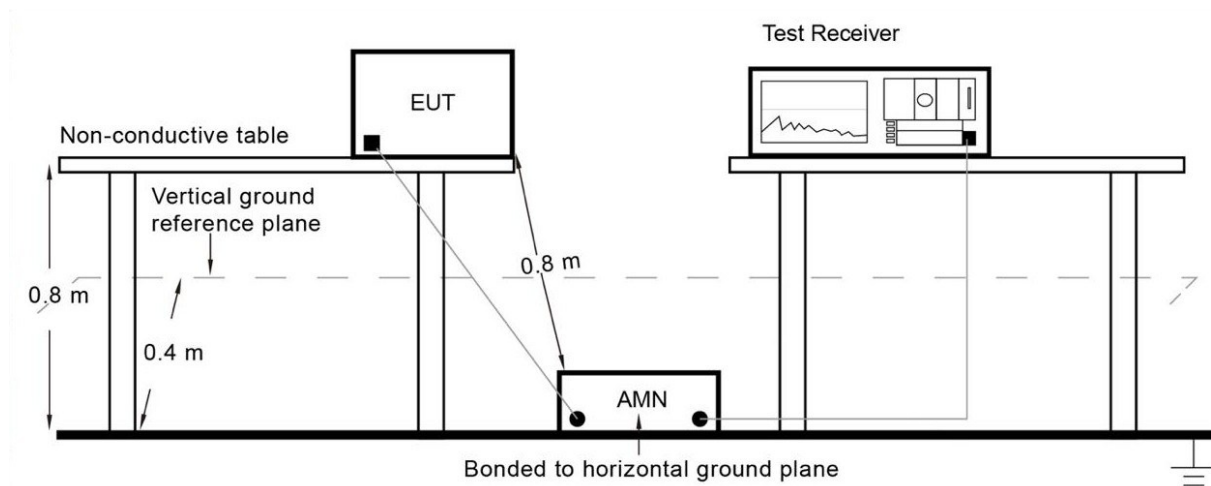
6.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

6.10.2. Test Setup



6.10.3. Test Result

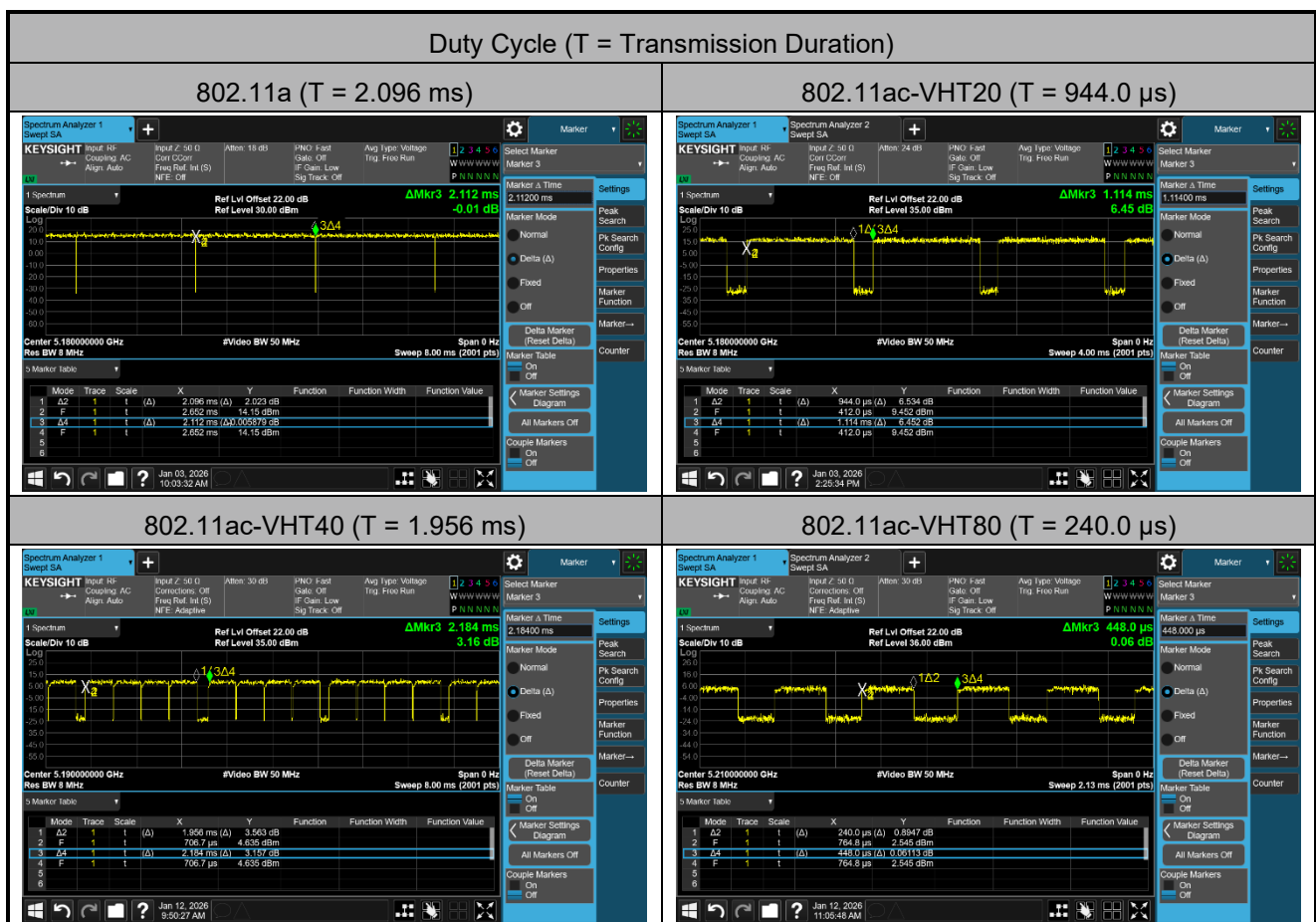
Refer to Appendix A.9.

Appendix A - Test Result

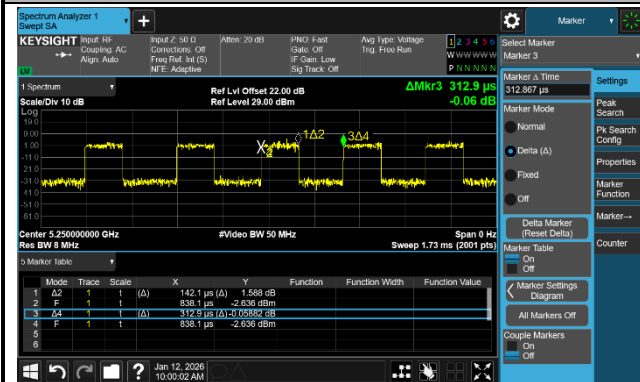
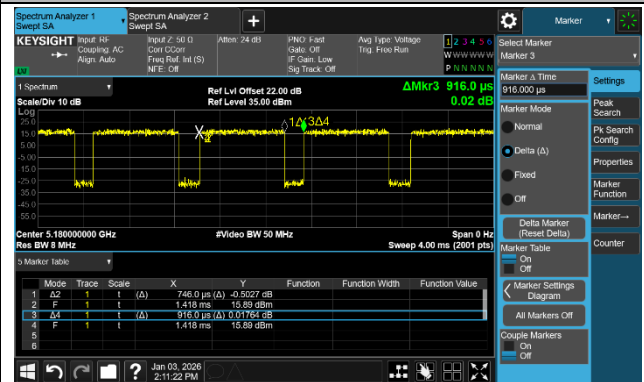
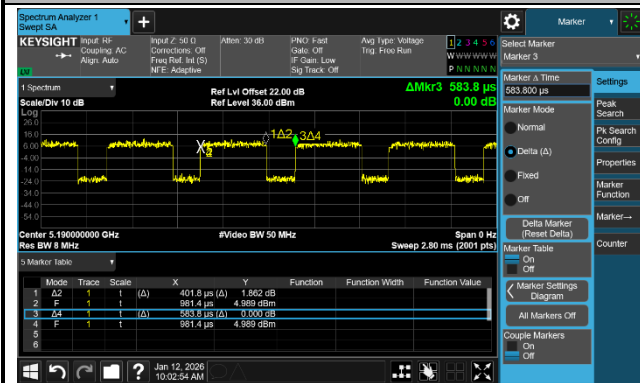
A.1 Duty Cycle Test Result

Test Site	WZ-SR5	Test Engineer	Molly Wu
Test Date	2026-01-03 ~ 2026-01-12		

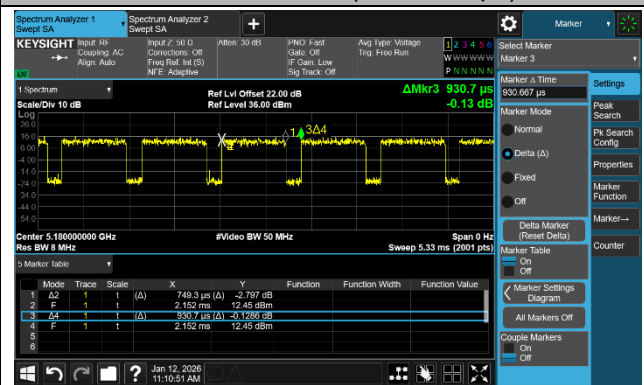
Test Mode	Duty Cycle	Test Mode	Duty Cycle
11a	99.24%	11ax-HE80	56.50%
11ac-VHT20	84.74%	11ax-HE160	43.51%
11ac-VHT40	89.56%	11be-EHT20	80.51%
11ac-VHT80	53.57%	11be-EHT40	67.67%
11ac-VHT160	45.41%	11be-EHT80	57.53%
11ax-HE20	81.44%	11be-EHT160	46.93%
11ax-HE40	68.82%	--	--



Duty Cycle (T = Transmission Duration)

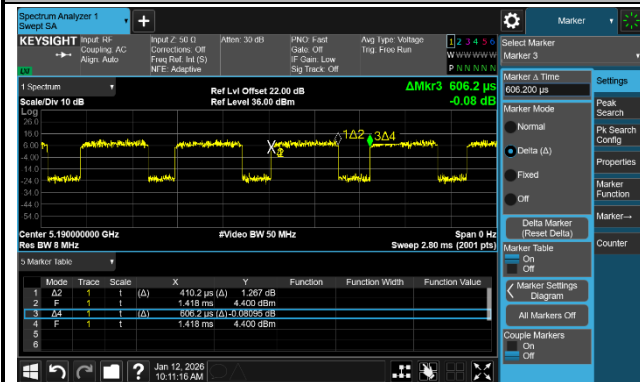
802.11ac-VHT160 (T = 142.1 μ s)

802.11ax-HE20 (T = 746.0 μ s)

802.11ax-HE40 (T = 401.8 μ s)

802.11ax-HE80 (T = 227.2 μ s)

802.11ax-HE160 (T = 145.2 μ s)

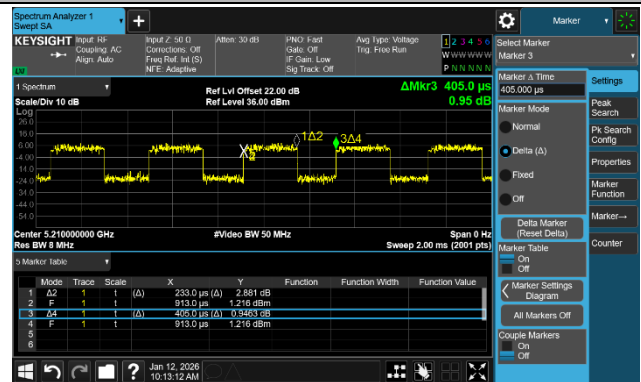
802.11be-EHT20 (T = 749.3 μ s)


Duty Cycle (T = Transmission Duration)

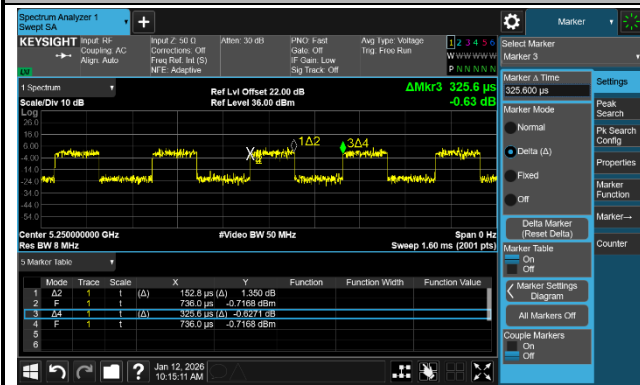
802.11be-EHT40 (T = 410.2 μ s)



802.11be-EHT80 (T = 233.0 μ s)



802.11be-EHT160 (T = 152.8 μ s)



A.2 26 dB Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Molly Wu
Test Date	2026-01-12 ~ 2026-01-15		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	6 Mbps	36	5180	22.87	16.867
11a	6 Mbps	44	5220	35.50	18.122
11a	6 Mbps	48	5240	35.63	19.201
11a	6 Mbps	52	5260	22.36	16.840
11a	6 Mbps	60	5300	22.18	16.892
11a	6 Mbps	64	5320	22.83	16.854
11a	6 Mbps	100	5500	22.60	16.856
11a	6 Mbps	116	5580	23.04	16.912
11a	6 Mbps	140	5700	22.57	16.918
11a	6 Mbps	144	5720	22.58	16.977
11a	6 Mbps	149	5745	36.47	18.135
11a	6 Mbps	157	5785	36.01	19.102
11a	6 Mbps	165	5825	33.29	18.334
11ac-VHT20	MCS0	36	5180	22.78	17.850
11ac-VHT20	MCS0	44	5220	38.66	19.053
11ac-VHT20	MCS0	48	5240	37.85	18.892
11ac-VHT20	MCS0	52	5260	22.30	17.840
11ac-VHT20	MCS0	60	5300	22.91	17.846
11ac-VHT20	MCS0	64	5320	22.11	17.865
11ac-VHT20	MCS0	100	5500	22.57	17.855
11ac-VHT20	MCS0	116	5580	22.82	17.823
11ac-VHT20	MCS0	140	5700	23.20	17.919
11ac-VHT20	MCS0	144	5720	23.08	17.892
11ac-VHT20	MCS0	149	5745	35.24	18.647
11ac-VHT20	MCS0	157	5785	37.94	19.288
11ac-VHT20	MCS0	165	5825	34.08	18.552

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ac-VHT40	MCS0	38	5190	43.03	36.477
11ac-VHT40	MCS0	46	5230	64.42	37.485
11ac-VHT40	MCS0	54	5270	64.56	37.330
11ac-VHT40	MCS0	62	5310	43.73	36.483
11ac-VHT40	MCS0	102	5510	43.78	36.582
11ac-VHT40	MCS0	110	5550	46.99	36.727
11ac-VHT40	MCS0	134	5670	75.11	37.479
11ac-VHT40	MCS0	142	5710	57.73	37.211
11ac-VHT40	MCS0	151	5755	70.94	37.561
11ac-VHT40	MCS0	159	5795	71.48	37.695
11ac-VHT80	MCS0	42	5210	90.26	76.272
11ac-VHT80	MCS0	58	5290	90.21	76.149
11ac-VHT80	MCS0	106	5530	89.10	76.098
11ac-VHT80	MCS0	122	5610	130.30	77.549
11ac-VHT80	MCS0	138	5690	140.20	78.848
11ac-VHT80	MCS0	155	5775	157.60	78.342
11ac-VHT160	MCS0	50	5250	175.30	155.97
11ac-VHT160	MCS0	114	5570	174.60	155.46
11ax-HE20	MCS0	36	5180	22.53	19.056
11ax-HE20	MCS0	44	5220	34.73	19.504
11ax-HE20	MCS0	48	5240	37.64	19.589
11ax-HE20	MCS0	52	5260	22.16	19.091
11ax-HE20	MCS0	60	5300	22.13	19.103
11ax-HE20	MCS0	64	5320	21.83	19.048
11ax-HE20	MCS0	100	5500	22.16	19.044
11ax-HE20	MCS0	116	5580	22.12	19.092
11ax-HE20	MCS0	140	5700	22.09	19.110
11ax-HE20	MCS0	144	5720	22.22	19.091
11ax-HE20	MCS0	149	5745	34.73	19.397
11ax-HE20	MCS0	157	5785	35.17	19.580
11ax-HE20	MCS0	165	5825	37.13	19.527

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11ax-HE40	MCS0	38	5190	44.47	38.040
11ax-HE40	MCS0	46	5230	76.23	39.086
11ax-HE40	MCS0	54	5270	48.21	38.156
11ax-HE40	MCS0	62	5310	43.40	38.014
11ax-HE40	MCS0	102	5510	43.59	38.168
11ax-HE40	MCS0	110	5550	43.92	38.169
11ax-HE40	MCS0	134	5670	46.10	38.267
11ax-HE40	MCS0	142	5710	50.50	38.267
11ax-HE40	MCS0	151	5755	67.47	38.605
11ax-HE40	MCS0	159	5795	66.45	38.906
11ax-HE80	MCS0	42	5210	85.91	77.819
11ax-HE80	MCS0	58	5290	87.22	77.669
11ax-HE80	MCS0	106	5530	86.35	77.686
11ax-HE80	MCS0	122	5610	91.26	78.267
11ax-HE80	MCS0	138	5690	132.30	79.667
11ax-HE80	MCS0	155	5775	154.60	79.157
11ax-HE160	MCS0	50	5250	169.90	157.32
11ax-HE160	MCS0	114	5570	172.30	157.23
11be-EHT20	MCS0	36	5180	22.50	19.114
11be-EHT20	MCS0	44	5220	38.56	19.681
11be-EHT20	MCS0	48	5240	36.10	19.740
11be-EHT20	MCS0	52	5260	23.19	19.119
11be-EHT20	MCS0	60	5300	22.81	19.067
11be-EHT20	MCS0	64	5320	22.91	19.126
11be-EHT20	MCS0	100	5500	22.85	19.089
11be-EHT20	MCS0	116	5580	22.59	19.080
11be-EHT20	MCS0	140	5700	22.64	19.112
11be-EHT20	MCS0	144	5720	23.04	19.078
11be-EHT20	MCS0	149	5745	36.39	19.674
11be-EHT20	MCS0	157	5785	26.47	19.342
11be-EHT20	MCS0	165	5825	27.01	19.503

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11be-EHT40	MCS0	38	5190	43.39	38.067
11be-EHT40	MCS0	46	5230	79.16	39.308
11be-EHT40	MCS0	54	5270	55.45	38.332
11be-EHT40	MCS0	62	5310	44.02	38.163
11be-EHT40	MCS0	102	5510	43.48	38.174
11be-EHT40	MCS0	110	5550	43.60	38.183
11be-EHT40	MCS0	134	5670	45.30	38.348
11be-EHT40	MCS0	142	5710	49.20	38.413
11be-EHT40	MCS0	151	5755	56.70	38.666
11be-EHT40	MCS0	159	5795	52.82	38.879
11be-EHT80	MCS0	42	5210	88.11	77.822
11be-EHT80	MCS0	58	5290	89.06	77.755
11be-EHT80	MCS0	106	5530	88.49	77.709
11be-EHT80	MCS0	122	5610	95.14	78.173
11be-EHT80	MCS0	138	5690	113.10	78.747
11be-EHT80	MCS0	155	5775	132.00	79.355
11be-EHT160	MCS0	50	5250	170.90	157.040
11be-EHT160	MCS0	114	5570	172.90	157.180

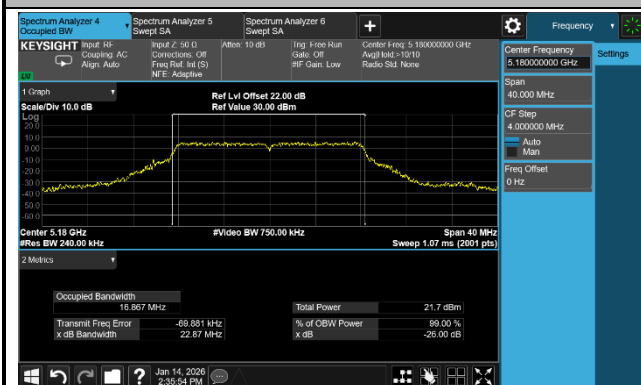
Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	F _H (MHz)	Limit (MHz)
802.11a	6 Mbps	48	5240	5249.60	< 5250
802.11ac-VHT20	MCS0	48	5240	5249.45	< 5250
802.11ac-VHT40	MCS0	46	5230	5248.74	< 5250
802.11ac-VHT80	MCS0	42	5210	5248.14	< 5250
802.11ax-HE20	MCS0	48	5240	5249.79	< 5250
802.11ax-HE40	MCS0	46	5230	5249.54	< 5250
802.11ax-HE80	MCS0	42	5210	5248.91	< 5250
802.11be-EHT20	MCS0	48	5240	5249.87	< 5250
802.11be-EHT40	MCS0	46	5230	5249.65	< 5250
802.11be-EHT80	MCS0	42	5210	5248.91	< 5250

Note: F_H = Centre frequency + 99% OBW / 2.

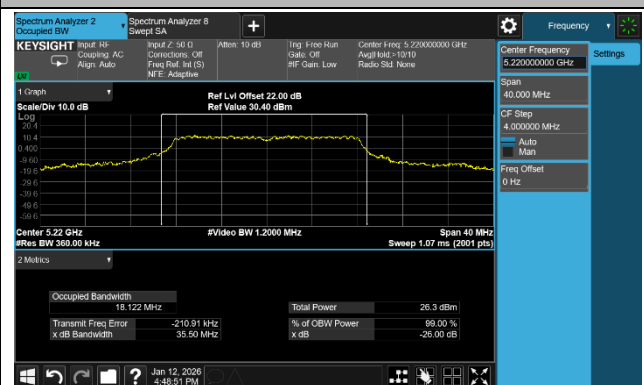
For example, 802.11a 5240 MHz, F_H = 5240 MHz + 19.201 MHz / 2 = 5248.60 MHz.

802.11a 26 dB Bandwidth & 99% Bandwidth

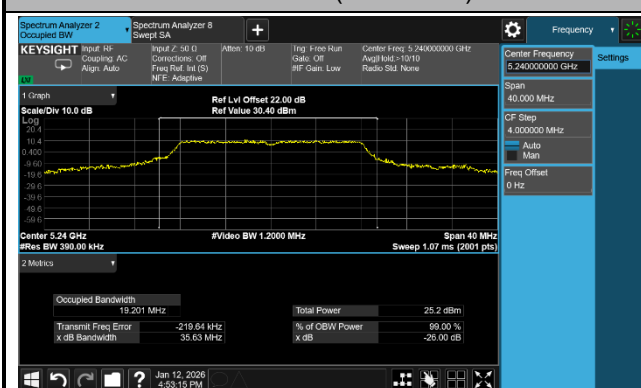
Channel 36 (5180 MHz)



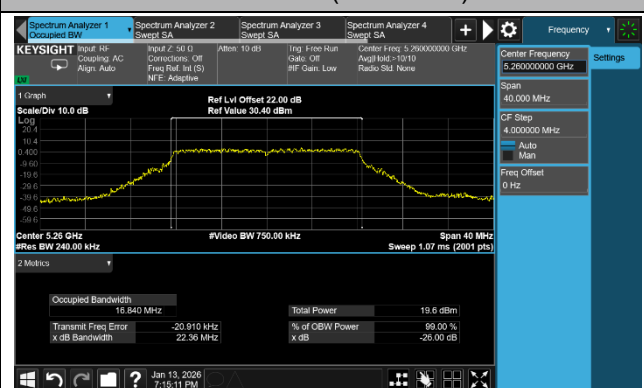
Channel 44 (5220 MHz)



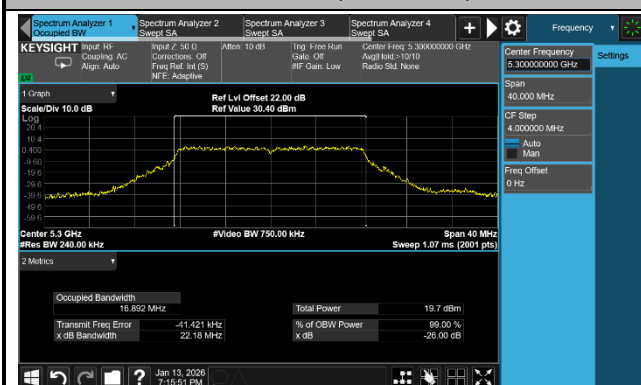
Channel 48 (5240 MHz)



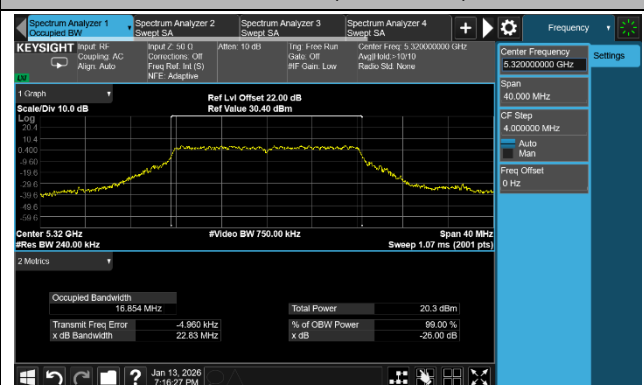
Channel 52 (5260 MHz)



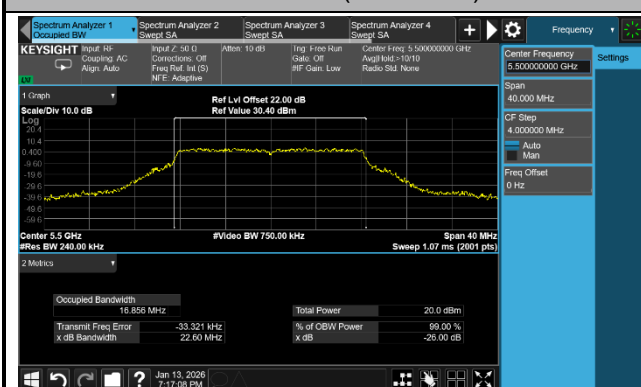
Channel 60 (5300 MHz)



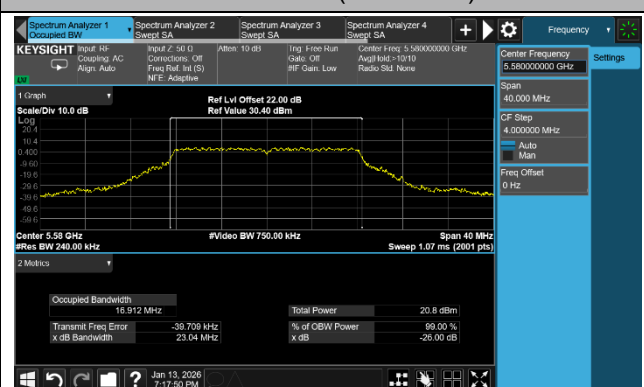
Channel 64 (5320 MHz)



Channel 100 (5500 MHz)

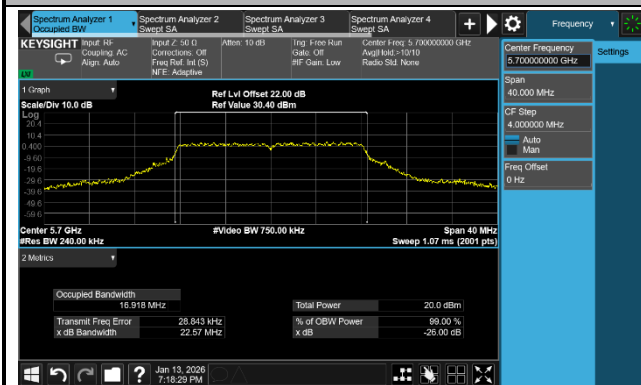


Channel 116 (5580 MHz)

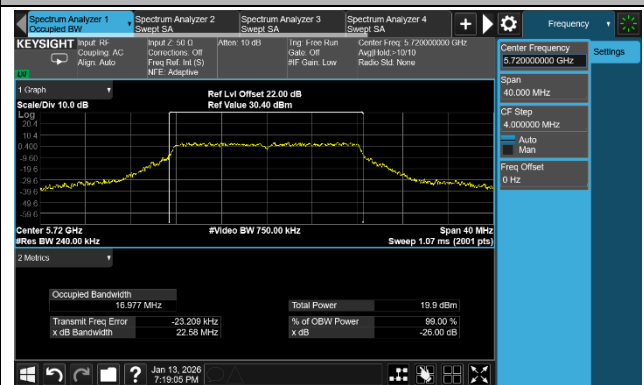


802.11a 26 dB Bandwidth & 99% Bandwidth

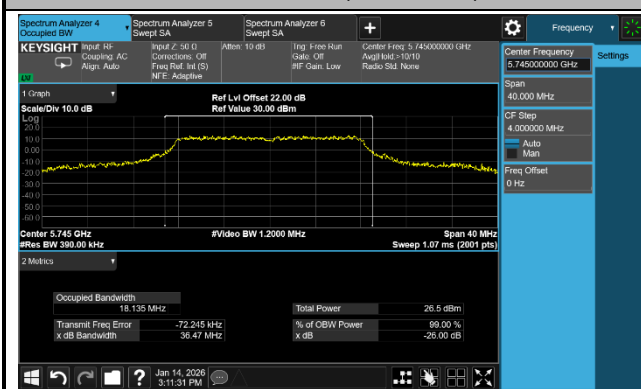
Channel 140 (5700 MHz)



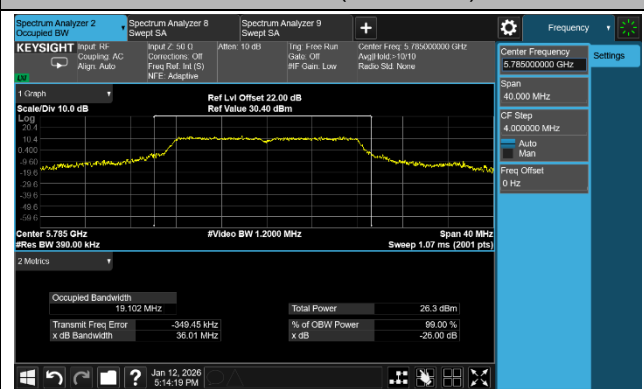
Channel 144 (5720 MHz)



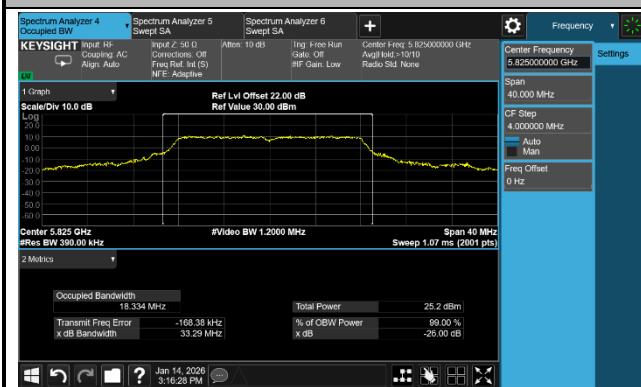
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

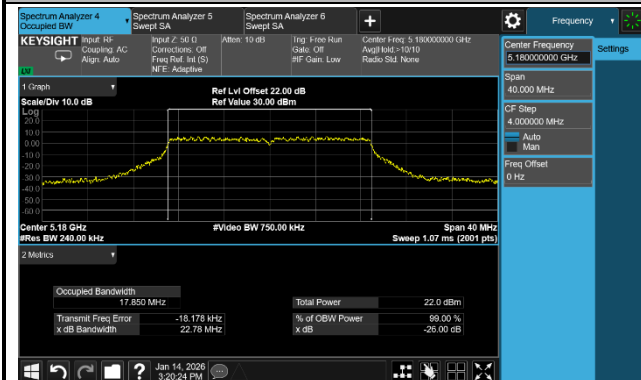


Channel 165 (5825 MHz)

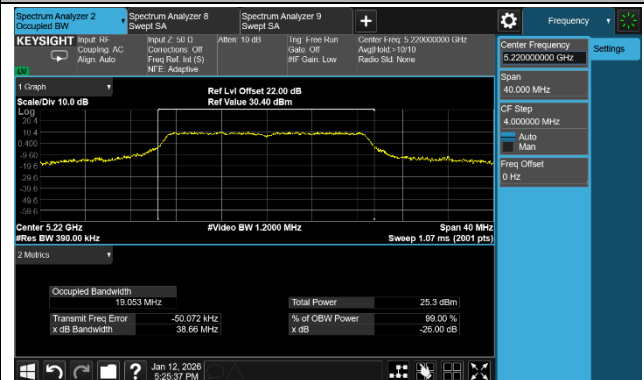


802.11ac-VHT20 26 dB Bandwidth & 99% Bandwidth

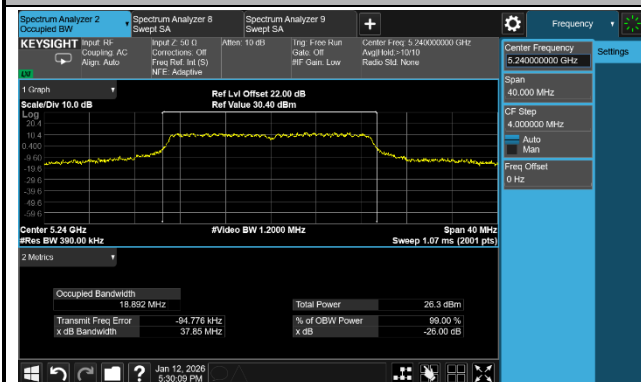
Channel 36 (5180 MHz)



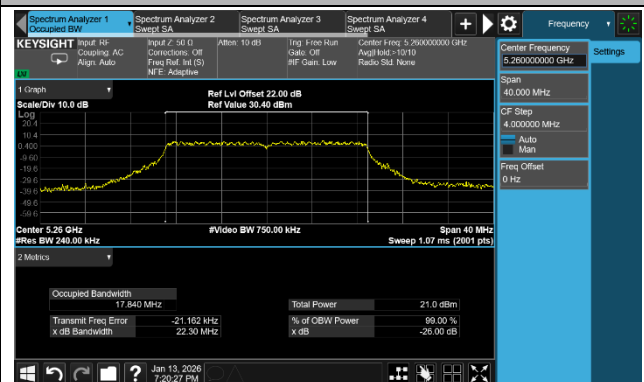
Channel 44 (5220 MHz)



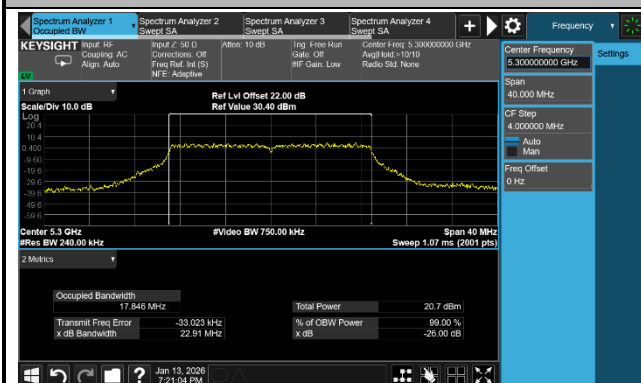
Channel 48 (5240 MHz)



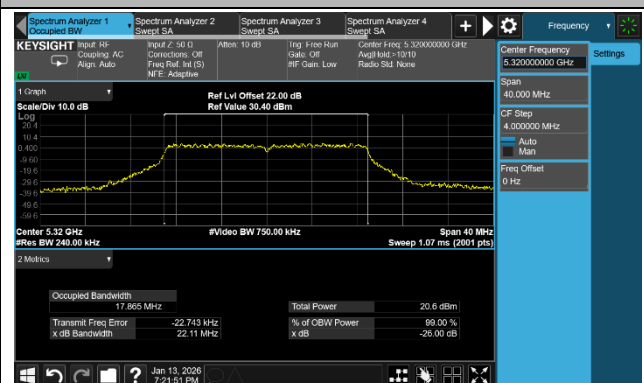
Channel 52 (5260 MHz)



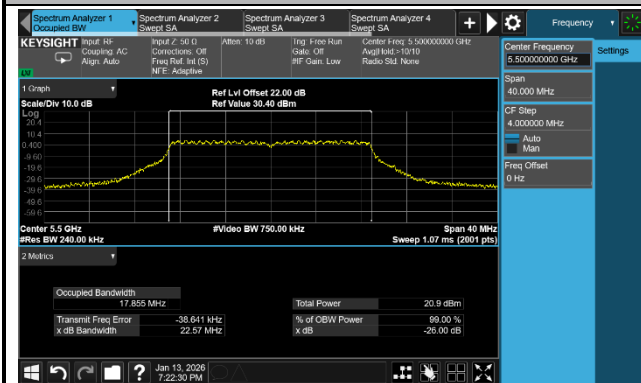
Channel 60 (5300 MHz)



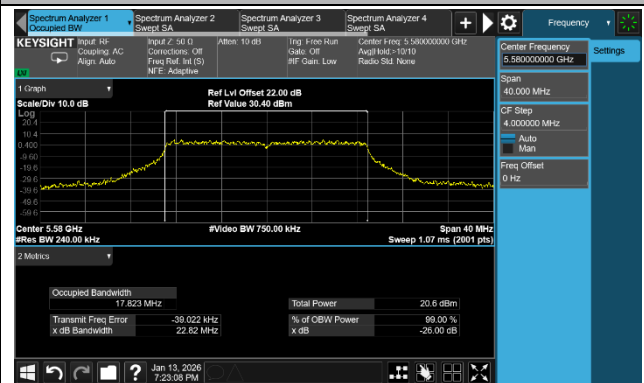
Channel 64 (5320 MHz)



Channel 100 (5500 MHz)

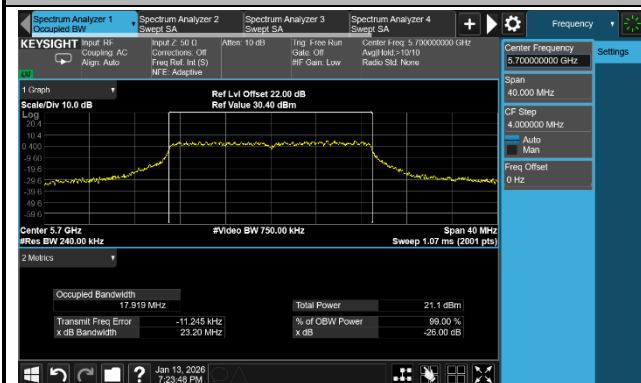


Channel 116 (5580 MHz)

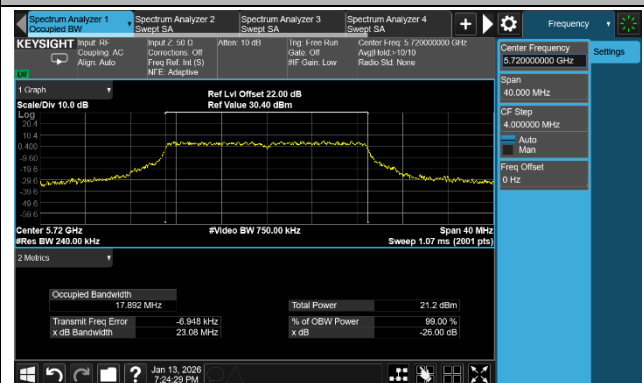


802.11ac-VHT20 26 dB Bandwidth & 99% Bandwidth

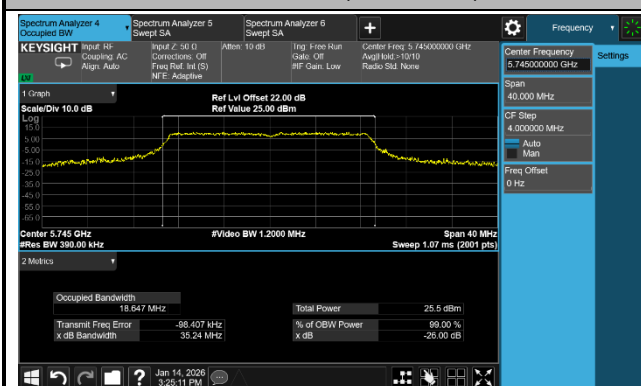
Channel 140 (5700 MHz)



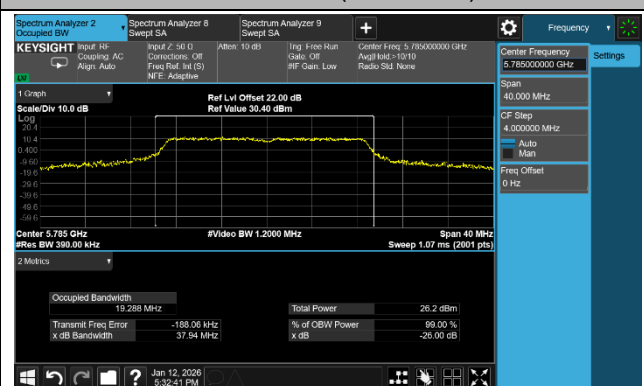
Channel 144 (5720 MHz)



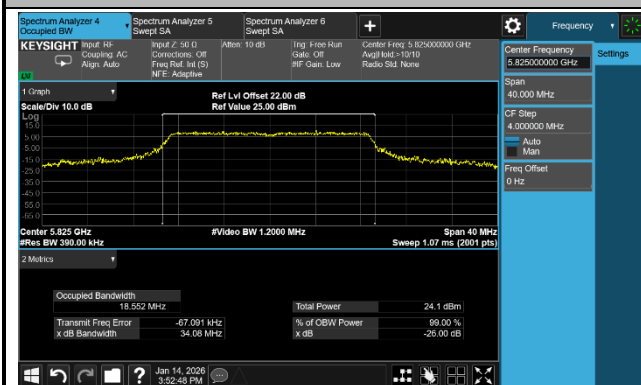
Channel 149 (5745 MHz)



Channel 157 (5785 MHz)

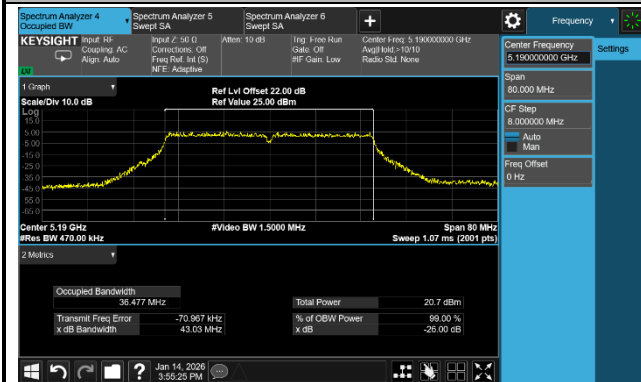


Channel 165 (5825 MHz)

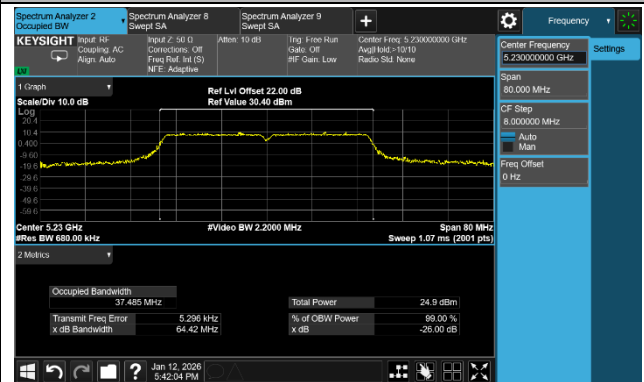


802.11ac-VHT40 26 dB Bandwidth & 99% Bandwidth

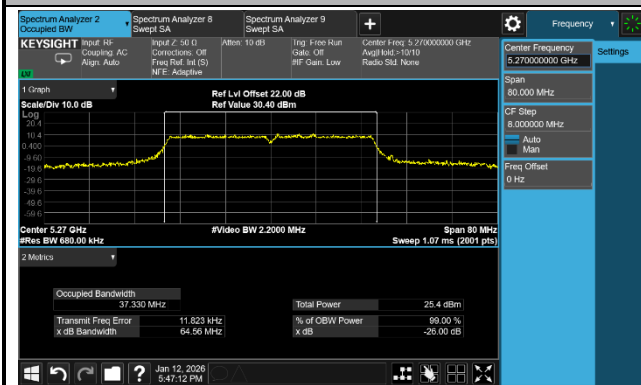
Channel 38 (5190 MHz)



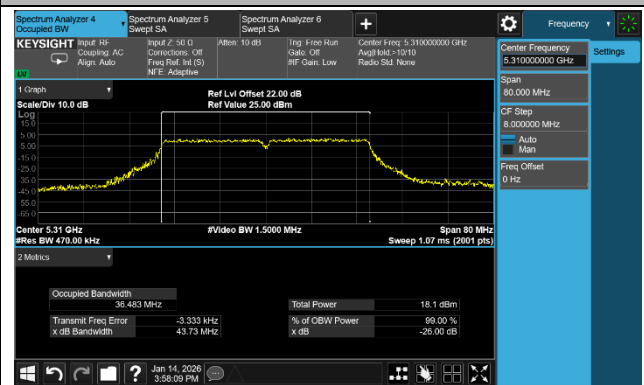
Channel 46 (5230 MHz)



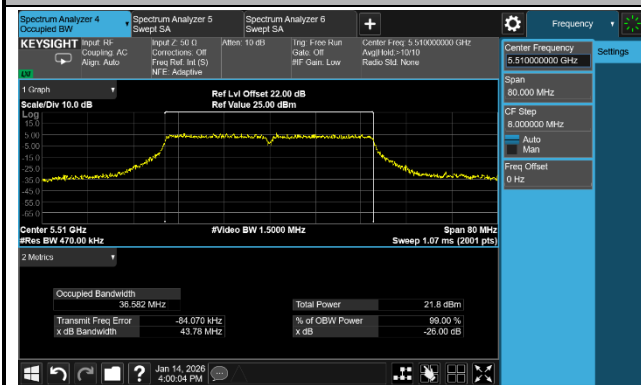
Channel 54 (5270 MHz)



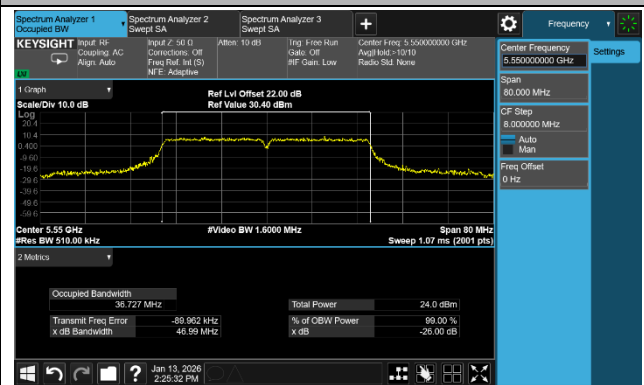
Channel 62 (5310 MHz)



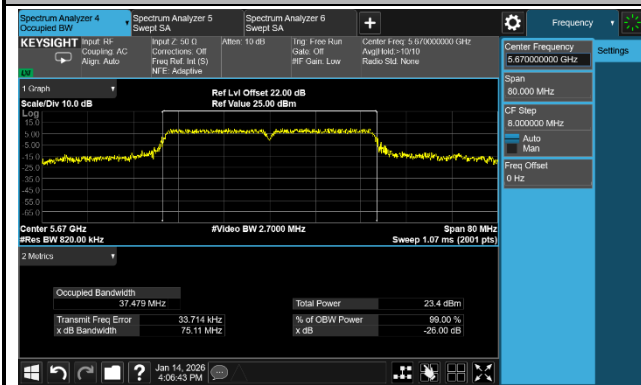
Channel 102 (5510 MHz)



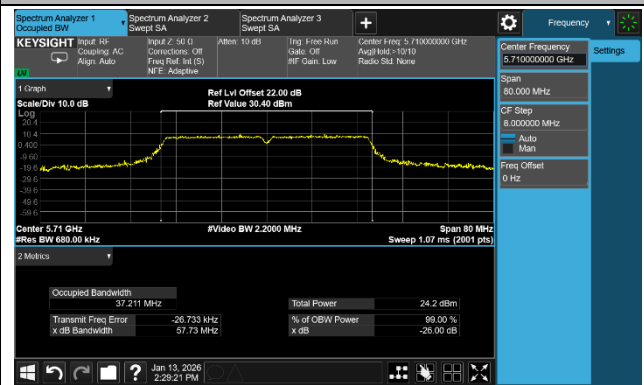
Channel 110 (5550 MHz)

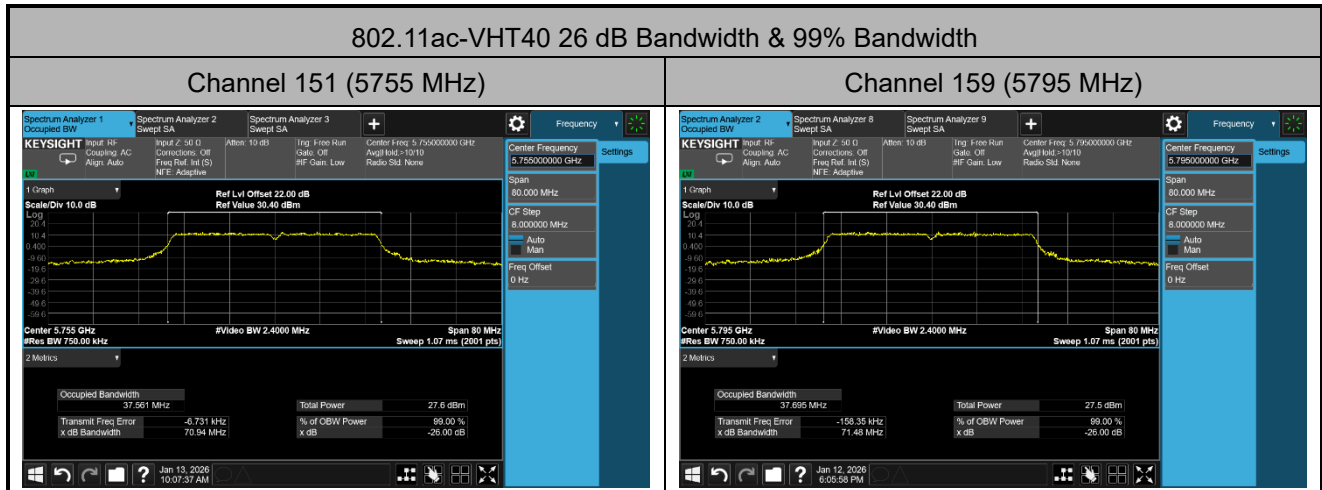


Channel 134 (5670 MHz)



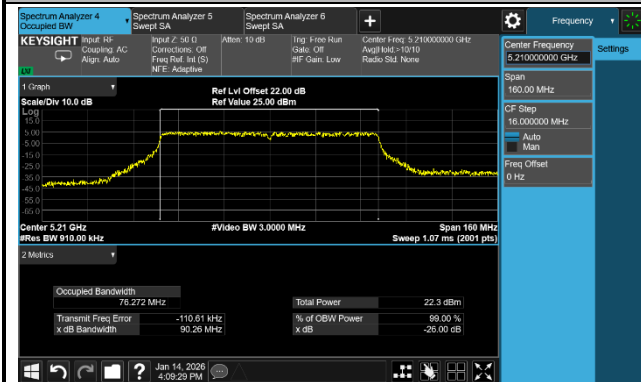
Channel 142 (5710 MHz)



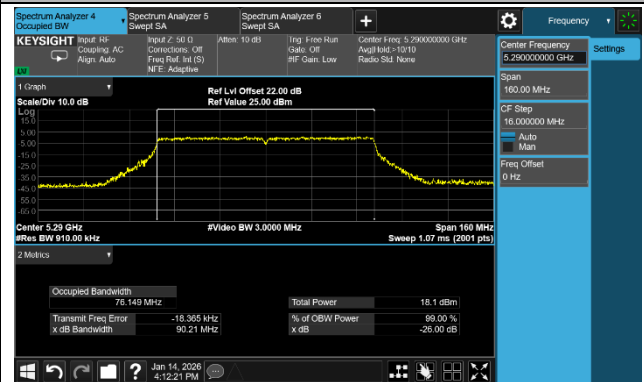


802.11ac-VHT80 26 dB Bandwidth & 99% Bandwidth

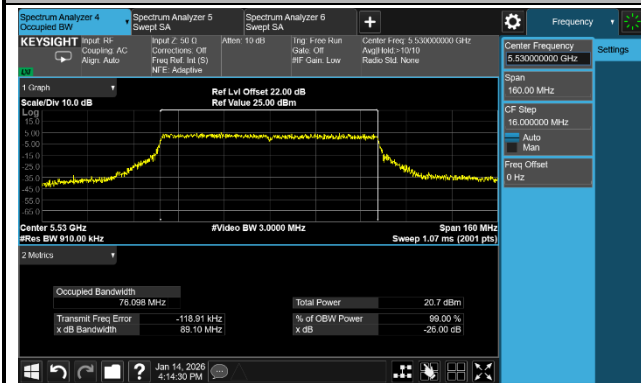
Channel 42 (5210 MHz)



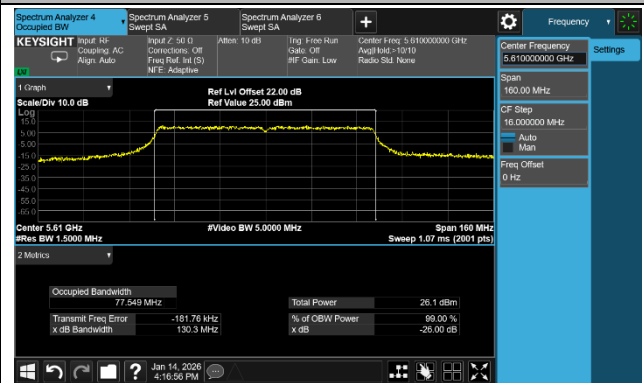
Channel 58 (5290 MHz)



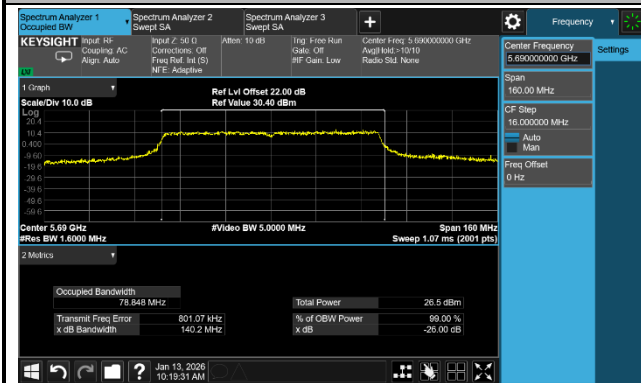
Channel 106 (5530 MHz)



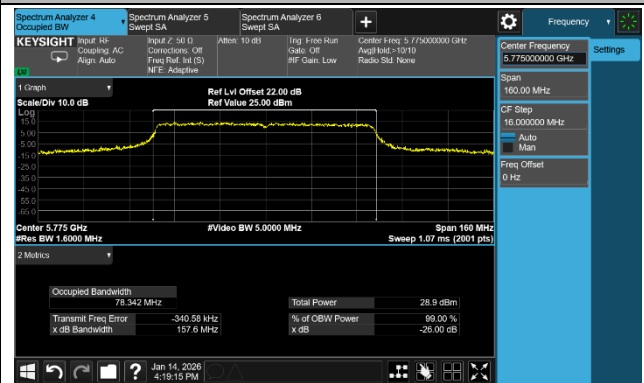
Channel 122 (5610 MHz)

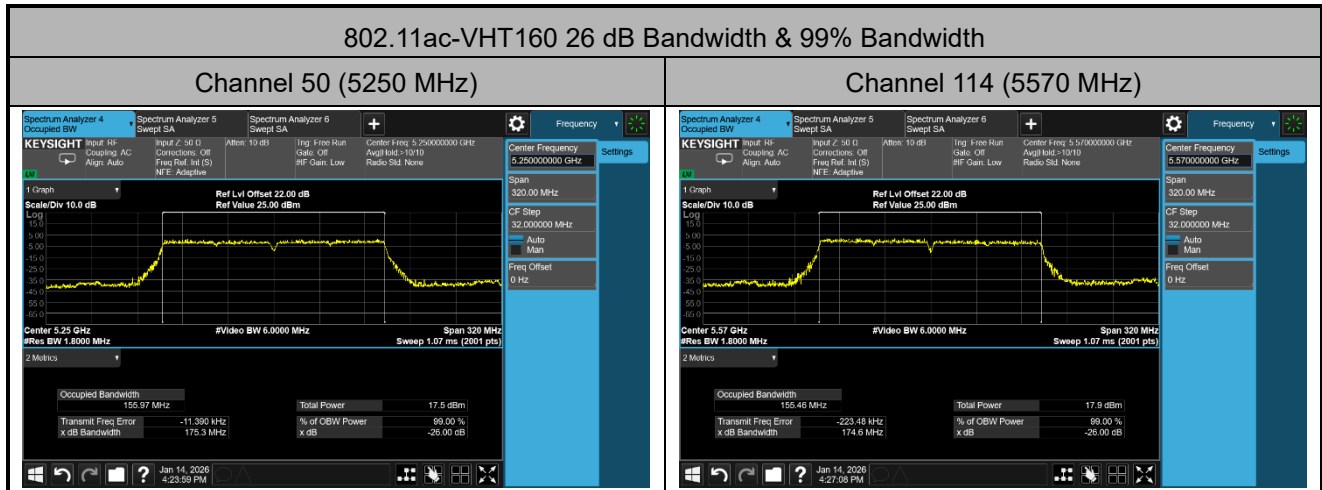


Channel 138 (5690 MHz)



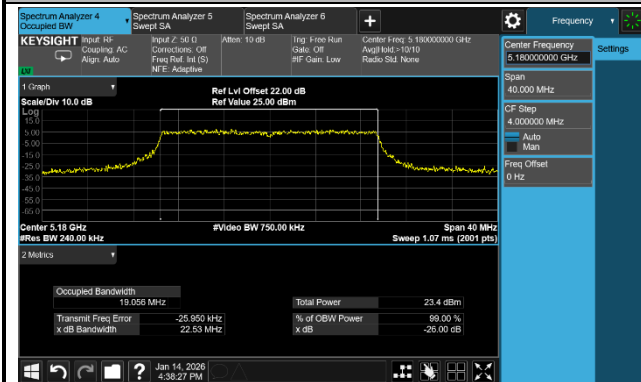
Channel 155 (5775 MHz)



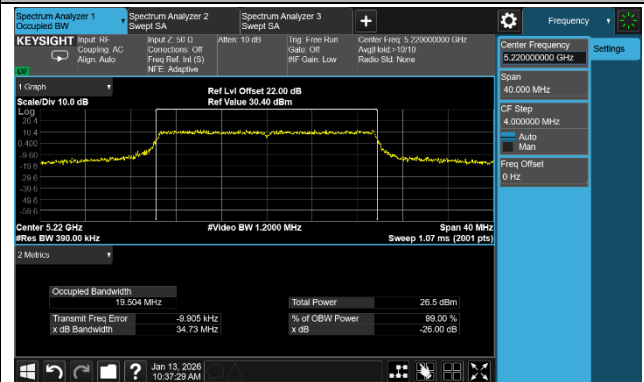


802.11ax-HE20 26 dB Bandwidth & 99% Bandwidth

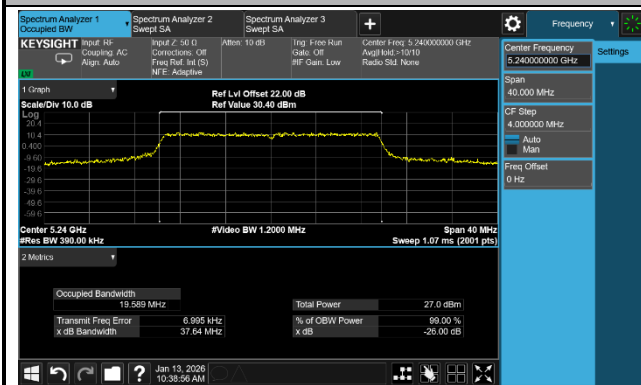
Channel 36 (5180 MHz)



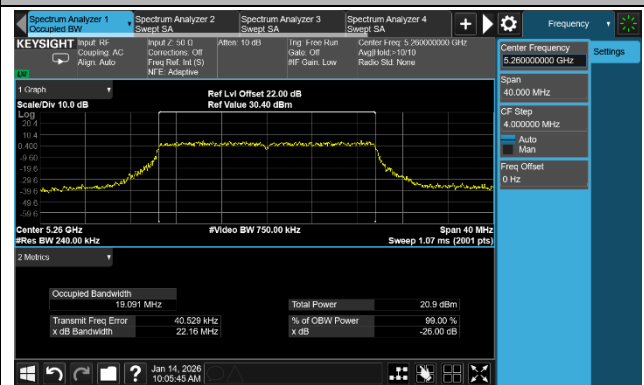
Channel 44 (5220 MHz)



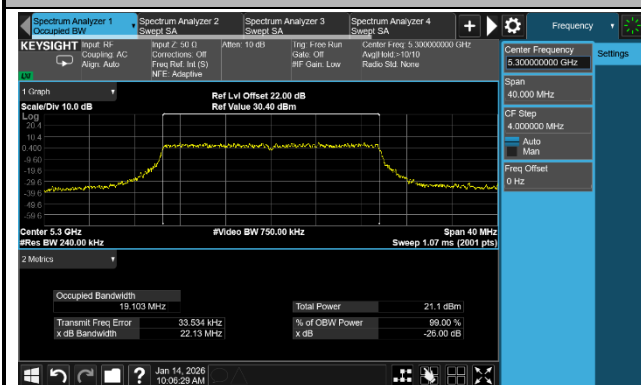
Channel 48 (5240 MHz)



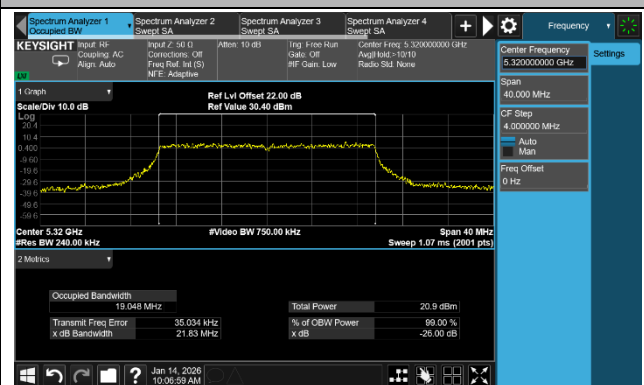
Channel 52 (5260 MHz)



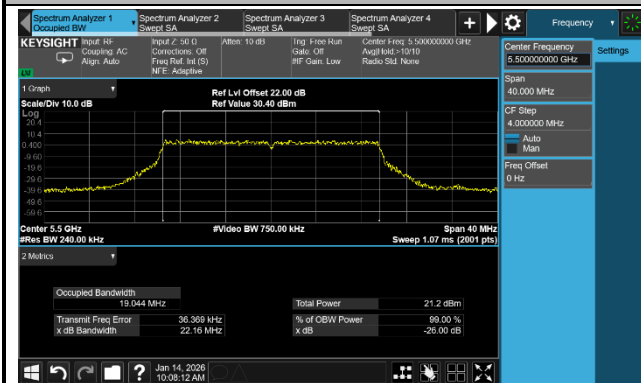
Channel 60 (5300 MHz)



Channel 64 (5320 MHz)



Channel 100 (5500 MHz)



Channel 116 (5580 MHz)

