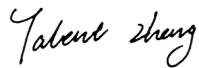


FCC CERTIFICATION TEST REPORT

Applicant:	AVer Information Inc
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.
Manufacturer:	AVer Information Inc
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.
Product Description:	AVer UC500 Mini PC
Brand Name:	AVer
Model No.:	UC500
FCC ID:	2AHDGR200
Report No.:	JCF260717061-009
Received Date:	Aug. 20, 2026
Tested Date:	Aug. 20, 2026 ~ Sep. 14, 2026
Issued Date:	Sep. 14, 2026
Test Standards:	FCC Rules and Regulations Part 15 Subpart C,
Test Procedure:	ANSI C63.10-2020 558074 D01 15.247 Meas Guidance v05r02, 662911 D01 Multiple Transmitter Output v02r01
Test Result:	Pass

Prepared By:  <u>Roger Li/Engineer</u>	Date: Sep. 14, 2026
Reviewed By:  <u>Kennys Zhang/Engineer</u>	Date: Sep. 14, 2026
Approved By:  <u>Talent Zhang/Engineer</u>	Date: Sep. 14, 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
--	/	Sep. 14, 2026	Original Report	/

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1. Test Report Declare

Applicant:	AVer Information Inc
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.
Manufacturer:	AVer Information Inc
Address:	No. 157, Da-An Rd., Tucheng Dist., New Taipei City 236042, Taiwan.
Product Name:	AVer UC500 Mini PC
Brand Name:	AVer
Model Name:	UC500, UC500XXXXX
Difference Description:	X can be any alphanumeric, symbol or blank for marketing purposes

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

Summary of Test Results			
Clause	Test Items	FCC/ISED Rules	Test Results
1	6dB Bandwidth and 99 % Occupied Bandwidth	FCC Part 15.247 (a) (2)	Pass
2	Peak Conducted Output Power	FCC Part 15.247 (b) (3)	Pass
3	Power Spectral Density	FCC Part 15.247 (e)	Pass
4	Conducted Bandedge and Spurious Emission	FCC Part 15.247 (d)	Pass
5	Radiated Bandedge and Spurious Emission	FCC Part 15.247 (d) FCC Part 15.209 FCC Part 15.205	Pass
6	Conducted Emission Test For AC Power Port	FCC Part 15.207	Pass
7	Antenna Requirement	FCC Part 15.203	Pass
Note: This report was tested strictly in accordance with the standards, without any additions, deviations or omissions to the standard content.			

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:	AVer UC500 Mini PC
Model Number:	UC500
EUT Function Description:	Please refer to user manual of this device
Power Supply:	19VDC 6.32A
Sample No.:	260717061-01-01
Hardware Version:	N/A
Software Version:	N/A
Radio Specification:	IEEE802.11b/g/n/ax
Operation Frequency:	IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE 802.11n HT20: 2412MHz—2462MHz IEEE 802.11n HT40: 2422MHz—2452MHz IEEE 802.11ax HE20: 2412MHz—2462MHz IEEE 802.11ax HE40: 2422MHz—2452MHz
Modulation:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n (HT20/40): OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax (HE20/40): OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	FPC Antenna1, MAX. Gain: 2.79 dBi FPC Antenna2, MAX. Gain: 1.73 dBi

Antenna:			
Manufacturer	Model	Type	Max Gain
Sichuan Boantong Communication Technology Co., Ltd.	CBS85D-SHA-G1	FPC	2.4G Ant. 1: 2.79dBi
	CBS85D-SHA-G2	FPC	2.4G Ant. 2: 1.73dBi

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

Channel List for 802.11b/g/n/ax (20 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	4	2427	7	2442	10	2457
2	2417	5	2432	8	2447	11	2462
3	2422	6	2437	9	2452	/	/

Channel List for 802.11n/ax (40 MHz)					
Channel	Frequency (MHz)	Channel	Frequency(MHz)	Channel	Frequency (MHz)
3	2422	6	2437	9	2452
4	2427	7	2442	/	/
5	2432	8	2447	/	/

4.3. Test Channel Configuration

Tested mode, channel and rand data rate information			
Mode	Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
802.11b	1	Low: CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
802.11g	6	Low: CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
802.11n HT20	MCS 8	Low: CH1	2412
	MCS 8	Middle: CH6	2437
	MCS 8	High: CH11	2462
802.11n HT40	MCS 8	Low: CH3	2422
	MCS 8	Middle: CH6	2437
	MCS 8	High: CH9	2452
802.11ax HE20	MCS 0	Low: CH1	2412
	MCS 0	Middle: CH6	2437
	MCS 0	High: CH11	2462
802.11ax HE40	MCS 0	Low: CH3	2422
	MCS 0	Middle: CH6	2437
	MCS 0	High: CH9	2452
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			

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. The Worse Case Power Setting Parameter

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band				
Test Software		DRTU		
Modulation Mode	Transmit Antenna Number	Test Software Setting Value		
		Channel	ANT1	ANT2
802.11b	2	CH1	15	16
		CH6	15	16
		CH11	15	16
802.11g	2	CH1	13	14
		CH6	13	14
		CH11	13	14
802.11HT20	2	CH1	13	13

		CH6	13	13
		CH11	13	13
802.11n HT40	2	CH3	13	13
		CH6	13	13
		CH9	13	13
802.11ax HE20	2	CH1	13	13
		CH6	13	13
		CH11	13	13
802.11ax HE40	2	CH3	13	13
		CH6	13	13
		CH9	13	13

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11b	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11g	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
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.
Note: 1. Only 802.11n HT20/HT40 and 802.11ax HE20/HE40 support MIMO mode 2. WLAN 2.4 GHz & WLAN 5G can't transmit simultaneously. (declared by client)		

5. Description of Test Setup

5.1. Accessory

Description of Accessories	Manufacturer	Model Number	Description	Remark
Switching Power Adapter	FSP GROUP INC.	FSP120-ABBN3	AC INPUT: 100~240V~ 1.8A, 50-60Hz DC Output: 19.0V--- 6.32A 120.0W	N/A

5.2. Support Equipment

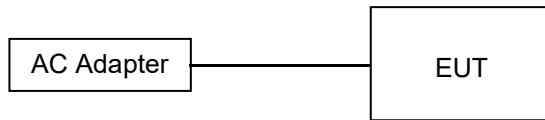
Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/

5.3. Test Setup

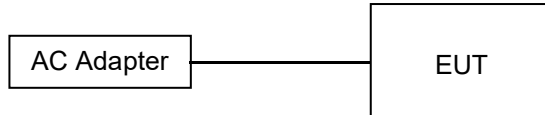
The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

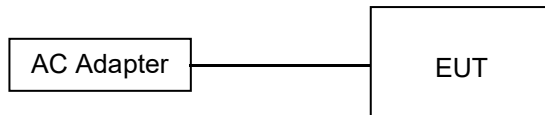
RF Connect Test:



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

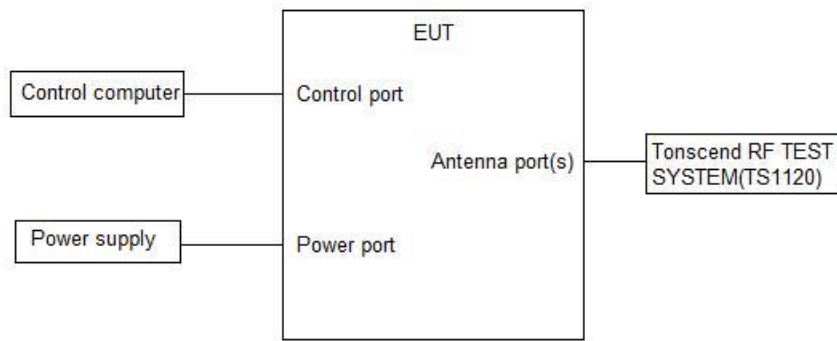
TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jun. 23, 2026	Jun. 22, 2027
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Jun. 23, 2026	Jun. 22, 2027
☒	Signal Generator	Keysight	N5171B	MY57280639	Jun. 23, 2026	Jun. 22, 2027
☒	DC POWER	Keysight	E342A	MY59020356	Jun. 24, 2026	Jun. 23, 2027
☒	Incubator thermometer	GWS	EL-02JA	21107288	Jun. 23, 2026	Jun. 22, 2027
☒	Control unit(Power sensor)	Tonscend	JS0806-2	20L8060342	Jun. 24, 2026	Jun. 23, 2027
☒	Spectrum Analyzer	Keysight	N9020B	MY60112206	Aug. 17, 2026	Aug. 16, 2027
☒	Control unit(Power	Tonscend	JS0806-2	21H8060465	Jun. 24, 2026	Jun. 23, 2027

	sensor)					
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Jun. 23, 2026	Jun. 22, 2027
☒	Signal Generator	Keysight	N5173B	MY62220145	Jun. 23, 2026	Jun. 22, 2027
☒	Vector Signal Generator	Keysight	N5182B	MY61252859	Jun. 23, 2026	Jun. 22, 2027
☒	DC POWER	Keysight	E3642A	MY40005294	Jun. 24, 2026	Jun. 23, 2027
☒	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Jun. 25, 2026	Jun. 24, 2027
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. 26, 2026	May. 25, 2027
☒	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Jul. 17, 2026	Jul. 16, 2027
☒	Horn Antenna 2	ETS	BBHA 9170	1090	Jul. 17, 2026	Jul. 16, 2027
☒	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 11, 2026	Jan. 10, 2027
☒	Test path	/	Path2: WIFI-2.4G 1-3GHz	/	Jun. 24, 2026	Jun. 23, 2027
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Jun. 24, 2026	Jun. 23, 2027
☒	Test path	/	Path9: 3GHz High PASS 3-18GHz	/	Jun. 24, 2026	Jun. 23, 2027
☒	Test path	/	Path16: 30MHz-1GHz ALL PASS NO AMP	/	Jun. 24, 2026	Jun. 23, 2027
☒	Signal Pre-Amplifier	ETS	3116C-PA	00217677	Jul. 17, 2026	Jul. 16, 2027
☒	3m Fully-anechoic Chamber	YIHENG	9m*6m*6m	001	Aug. 14, 2026	Aug. 13, 2029
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	Jun. 23, 2026	Jun. 22, 2027
☒	EMI Receiver	R&S	ESR	102154	Jun. 10, 2026	Jun. 09, 2027
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



Note: The EUT is connected to the Control unit, and then the signal is transmitted through internal circuits to the Spectrum Analyzer.

8.2. Limits

None; for reporting purposes only

8.3. Procedure

KDB 558074 Zero-Span Spectrum Analyzer Method

8.4. Results

Test Mode	Ant.	Freq. (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)
11B	Ant1	2412	8.36	8.40	99.52
	Ant2	2412	8.36	8.40	99.52
	Ant1	2437	8.35	8.38	99.64
	Ant2	2437	8.36	8.38	99.76
	Ant1	2462	8.36	8.40	99.52
	Ant2	2462	8.34	8.39	99.40
11G	Ant1	2412	2.09	2.13	98.12
	Ant2	2412	2.09	2.13	98.12
	Ant1	2437	2.09	2.13	98.12
	Ant2	2437	2.09	2.13	98.12
	Ant1	2462	2.08	2.13	97.65
	Ant2	2462	2.09	2.13	98.12
11N20MIMO	Ant1	2412	5.13	5.18	99.03
	Ant2	2412	5.13	5.19	98.84
	Ant1	2437	5.13	5.17	99.23
	Ant2	2437	5.13	5.18	99.03
	Ant1	2462	5.14	5.19	99.04
	Ant2	2462	5.13	5.18	99.03
11N40MIMO	Ant1	2422	5.15	5.19	99.23
	Ant2	2422	5.14	5.19	99.04
	Ant1	2437	5.14	5.19	99.04
	Ant2	2437	5.16	5.21	99.04
	Ant1	2452	5.14	5.19	99.04
	Ant2	2452	5.15	5.20	99.04
11AX20MIMO	Ant1	2412	5.10	5.15	99.03
	Ant2	2412	5.10	5.15	99.03
	Ant1	2437	5.10	5.14	99.22
	Ant2	2437	5.10	5.15	99.03

11AX40MIMO	Ant1	2462	5.10	5.15	99.03
	Ant2	2462	5.09	5.15	98.83
	Ant1	2422	2.57	2.62	98.09
	Ant2	2422	2.58	2.63	98.10
	Ant1	2437	2.57	2.62	98.09
	Ant2	2437	2.57	2.62	98.09
	Ant1	2452	2.57	2.62	98.09
	Ant2	2452	2.57	2.62	98.09

Note1: Duty Cycle Correction Factor = $10\log(1/x)$.

Note2: Offset=cable loss + Test system insertion loss

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.

For mode 11b, the duty cycle is greater than 98 %, so it can set VBW to 10 Hz.

8.5. Original test data





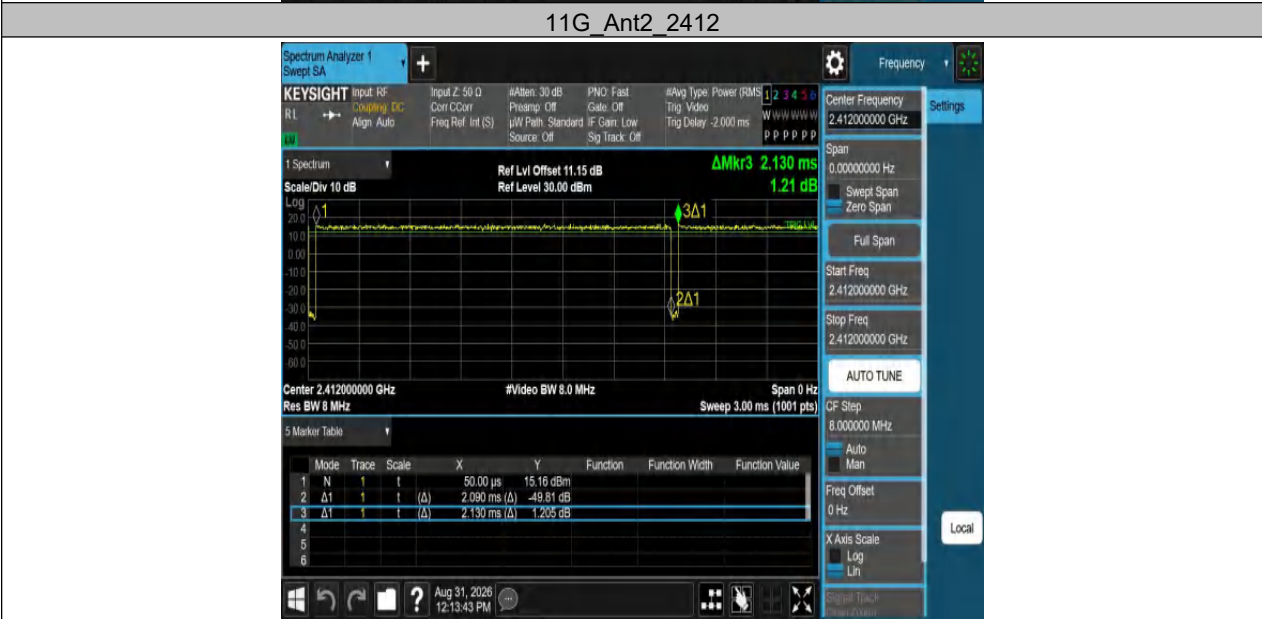
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11B_Ant1_2462

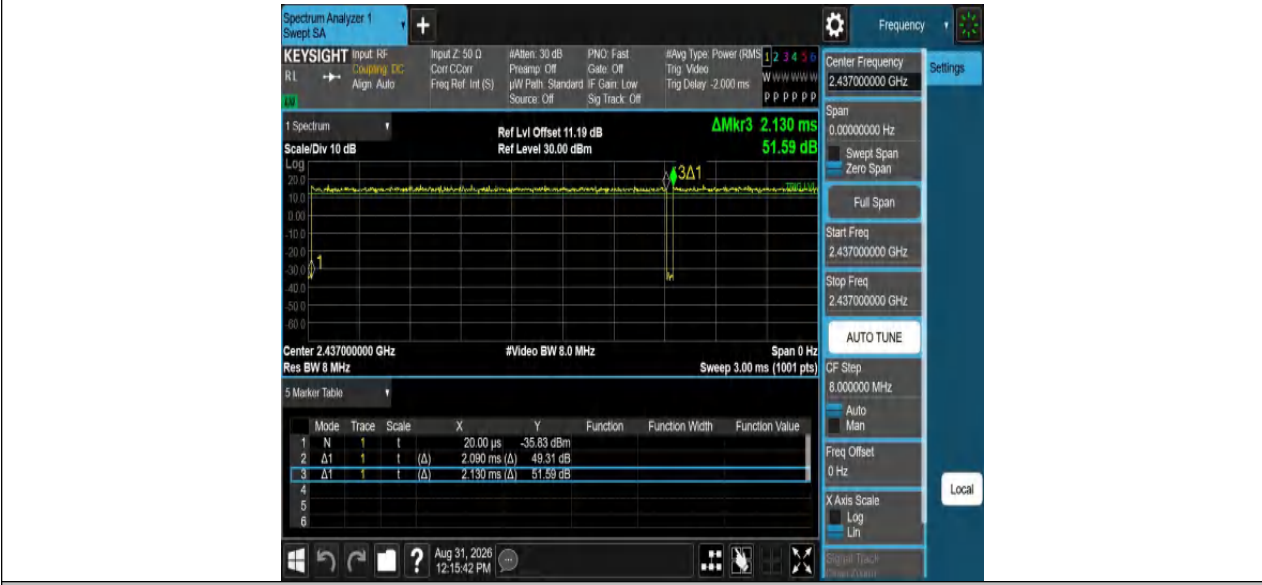


11B_Ant2_2462





11G_Ant2_2437



11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437





11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462



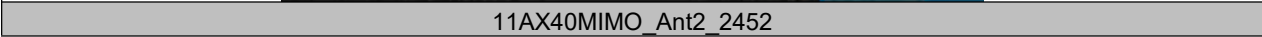
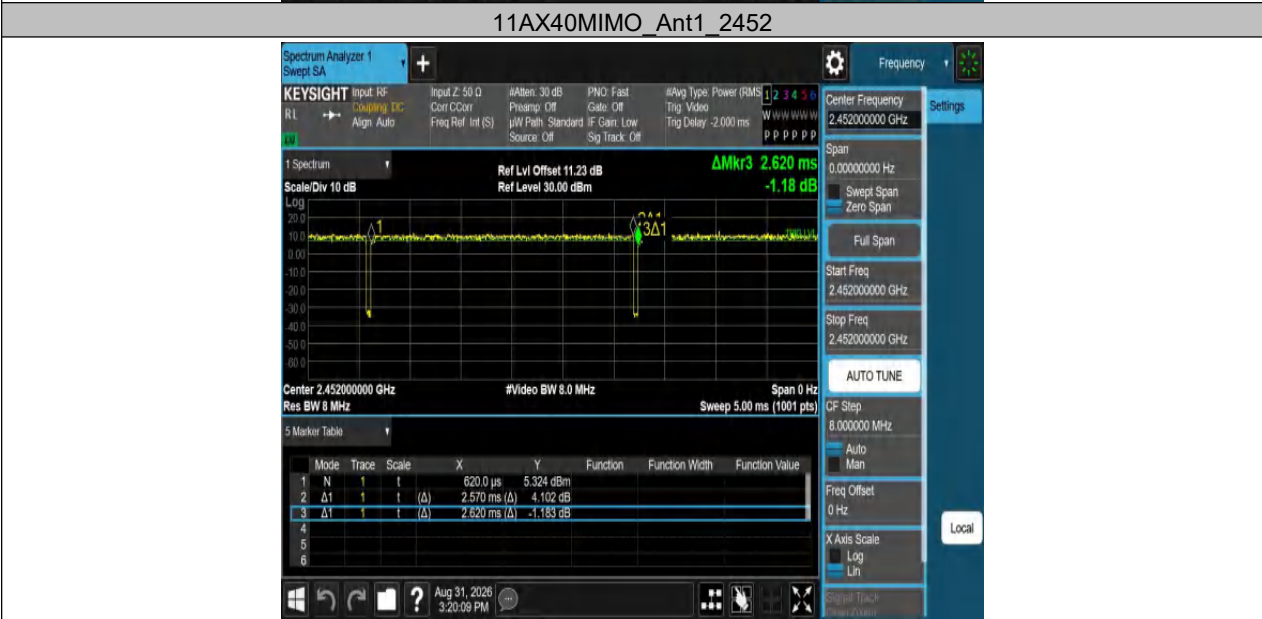
11AX40MIMO_Ant1_2422

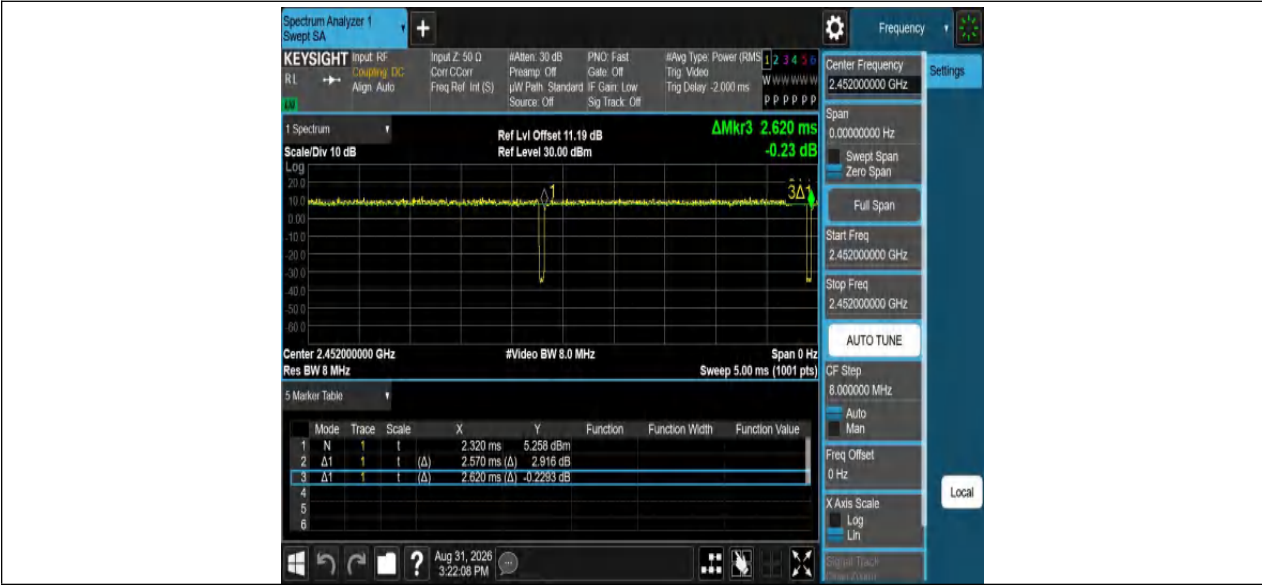


11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437





9. 6 dB DTS Bandwidth and 99 % Occupied Bandwidth

9.1. Block diagram of test setup

Same as section 8.1

9.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5
	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5

9.3. Test Procedure

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 6 dB Bandwidth: 1 % to 5 % of the occupied bandwidth but not less than 100 kHz. For 99 % Occupied Bandwidth :1 % to 5 % of the occupied bandwidth
VBW	For 6 dB Bandwidth: $\geq 3 \times$ RBW For 99 % Occupied Bandwidth : $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

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 6 dB and 99 % relative to the maximum level measured in the fundamental emission.

9.4. Results

6dB bandwidth:

Test Mode	Ant.	Freq. (MHz)	DTS BW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	0.5	PASS
	Ant2	2412	9.080	2407.480	2416.560	0.5	PASS
	Ant1	2437	9.080	2432.440	2441.520	0.5	PASS
	Ant2	2437	9.080	2432.440	2441.520	0.5	PASS
	Ant1	2462	9.080	2457.440	2466.520	0.5	PASS
	Ant2	2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	15.520	2404.000	2419.520	0.5	PASS
	Ant2	2412	15.560	2404.400	2419.960	0.5	PASS
	Ant1	2437	15.920	2429.000	2444.920	0.5	PASS
	Ant2	2437	15.920	2428.840	2444.760	0.5	PASS
	Ant1	2462	15.880	2454.200	2470.080	0.5	PASS
	Ant2	2462	15.760	2454.160	2469.920	0.5	PASS
11N20MIMO	Ant1	2412	17.280	2403.440	2420.720	0.5	PASS
	Ant2	2412	16.600	2403.480	2420.080	0.5	PASS
	Ant1	2437	17.480	2428.240	2445.720	0.5	PASS
	Ant2	2437	17.320	2428.280	2445.600	0.5	PASS
	Ant1	2462	17.360	2453.240	2470.600	0.5	PASS
	Ant2	2462	17.160	2453.440	2470.600	0.5	PASS
11N40MIMO	Ant1	2422	35.280	2404.080	2439.360	0.5	PASS
	Ant2	2422	29.520	2404.000	2433.520	0.5	PASS
	Ant1	2437	35.280	2419.400	2454.680	0.5	PASS
	Ant2	2437	25.840	2419.000	2444.840	0.5	PASS

	Ant1	2452	35.680	2434.320	2470.000	0.5	PASS
	Ant2	2452	31.440	2438.720	2470.160	0.5	PASS
11AX20MIMO	Ant1	2412	18.840	2402.560	2421.400	0.5	PASS
	Ant2	2412	18.600	2402.760	2421.360	0.5	PASS
	Ant1	2437	18.880	2427.560	2446.440	0.5	PASS
	Ant2	2437	18.400	2427.600	2446.000	0.5	PASS
	Ant1	2462	18.200	2452.680	2470.880	0.5	PASS
	Ant2	2462	18.760	2452.560	2471.320	0.5	PASS
11AX40MIMO	Ant1	2422	36.000	2403.920	2439.920	0.5	PASS
	Ant2	2422	31.120	2403.200	2434.320	0.5	PASS
	Ant1	2437	32.800	2418.760	2451.560	0.5	PASS
	Ant2	2437	27.760	2417.960	2445.720	0.5	PASS
	Ant1	2452	31.120	2434.960	2466.080	0.5	PASS
	Ant2	2452	31.600	2439.360	2470.960	0.5	PASS

Note: Offset=cable loss + Test system insertion loss

99 % bandwidth:

Test Mode	Ant.	Channel Freq. (MHz)	OCB (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
11B	Ant1	2412	13.672	2405.2093	2418.8813	---	---
	Ant2	2412	13.620	2405.2009	2418.8209	---	---
	Ant1	2437	13.677	2430.1178	2443.7948	---	---
	Ant2	2437	13.663	2430.1109	2443.7739	---	---
	Ant1	2462	13.701	2455.1244	2468.8254	---	---
	Ant2	2462	13.677	2455.1739	2468.8509	---	---
11G	Ant1	2412	16.945	2403.5447	2420.4897	---	---
	Ant2	2412	16.926	2403.5395	2420.4655	---	---
	Ant1	2437	16.904	2428.4929	2445.3969	---	---
	Ant2	2437	16.996	2428.4107	2445.4067	---	---
	Ant1	2462	16.955	2453.5349	2470.4899	---	---
	Ant2	2462	16.967	2453.5206	2470.4876	---	---
11N20MIMO	Ant1	2412	18.051	2403.0118	2421.0628	---	---
	Ant2	2412	17.889	2403.0731	2420.9621	---	---
	Ant1	2437	17.988	2427.9787	2445.9667	---	---
	Ant2	2437	18.093	2427.9411	2446.0341	---	---
	Ant1	2462	18.011	2452.9917	2471.0027	---	---
	Ant2	2462	18.024	2453.0081	2471.0321	---	---
11N40MIMO	Ant1	2422	36.060	2403.9330	2439.9930	---	---
	Ant2	2422	35.644	2403.6878	2439.3318	---	---
	Ant1	2437	36.031	2418.9937	2455.0247	---	---
	Ant2	2437	35.716	2418.4144	2454.1304	---	---
	Ant1	2452	36.130	2433.9523	2470.0823	---	---
	Ant2	2452	36.092	2434.2642	2470.3562	---	---
11AX20MIMO	Ant1	2412	19.024	2402.5210	2421.5450	---	---
	Ant2	2412	19.005	2402.5245	2421.5295	---	---
	Ant1	2437	19.025	2427.4563	2446.4813	---	---
	Ant2	2437	19.028	2427.4726	2446.5006	---	---
	Ant1	2462	19.032	2452.4610	2471.4930	---	---
	Ant2	2462	18.958	2452.5430	2471.5010	---	---
11AX40MIMO	Ant1	2422	37.401	2403.2644	2440.6654	---	---
	Ant2	2422	36.998	2402.9560	2439.9540	---	---
	Ant1	2437	37.513	2418.2440	2455.7570	---	---
	Ant2	2437	36.732	2417.9302	2454.6622	---	---
	Ant1	2452	37.643	2433.1965	2470.8395	---	---
	Ant2	2452	38.902	2432.6585	2471.5605	---	---

Note: Offset=cable loss + Test system insertion loss

9.5. Original test data

6dB bandwidth:





11B_Ant2_2437



11B_Ant1_2462



11B_Ant2_2462





11G_Ant2_2437



11G_Ant1_2462



11G_Ant2_2462











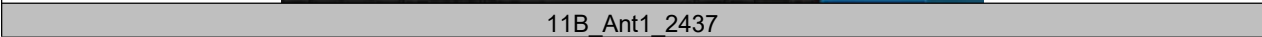
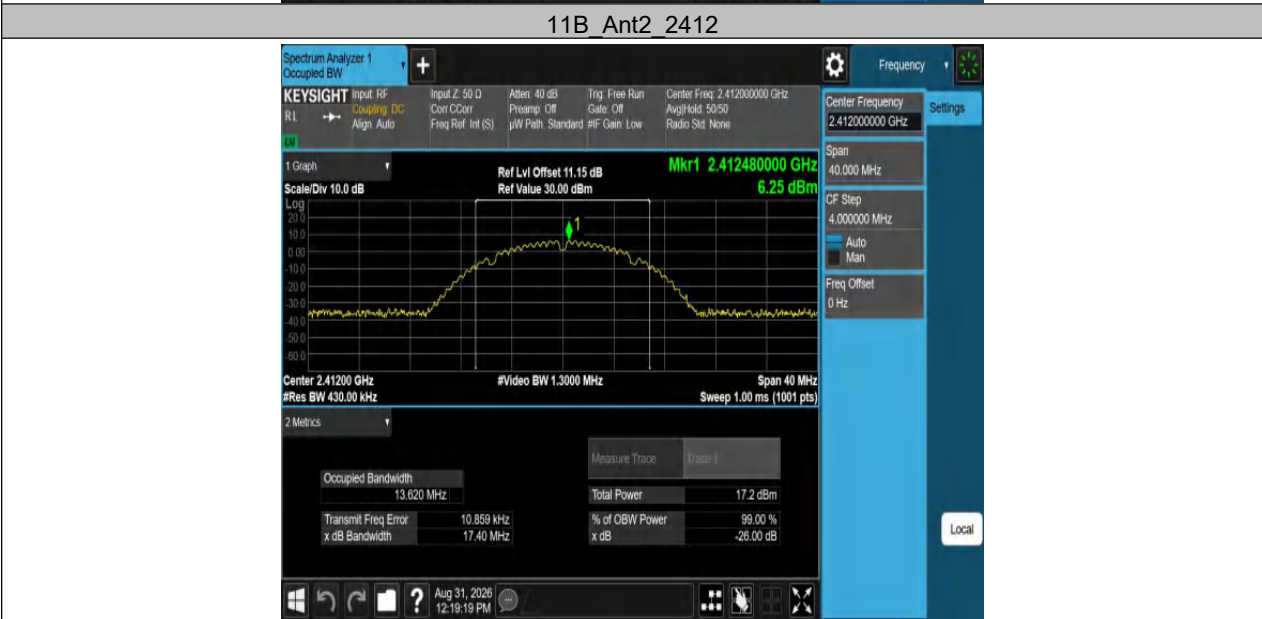
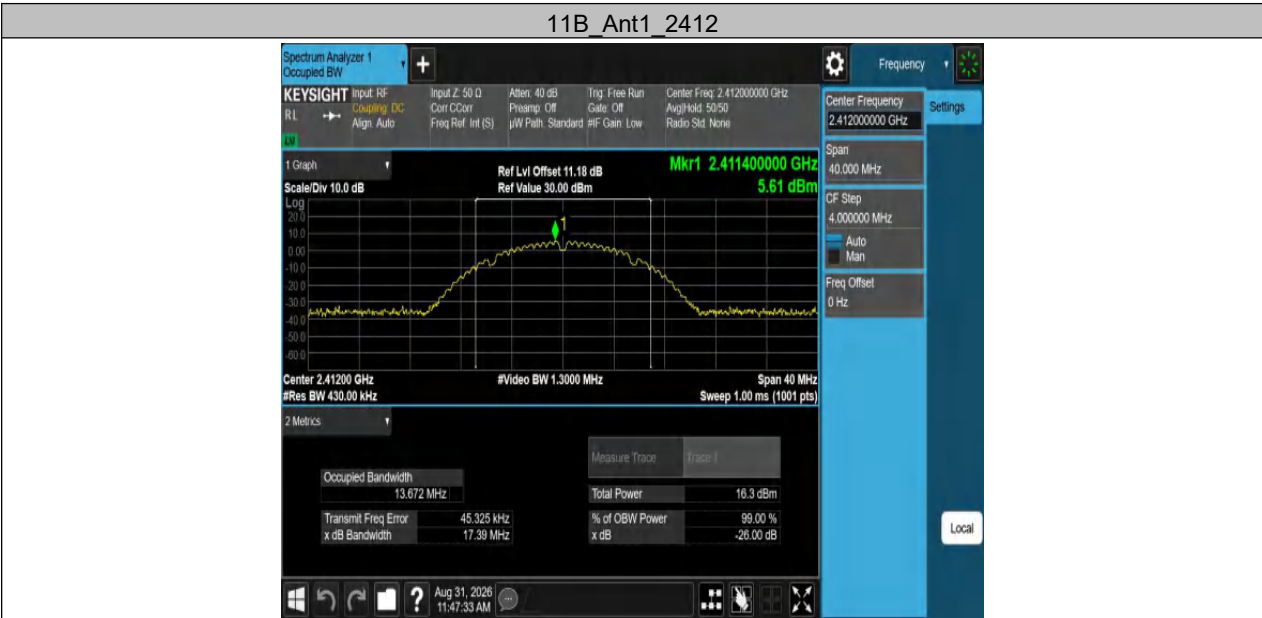








99 % bandwidth:





11B_Ant2_2437



11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



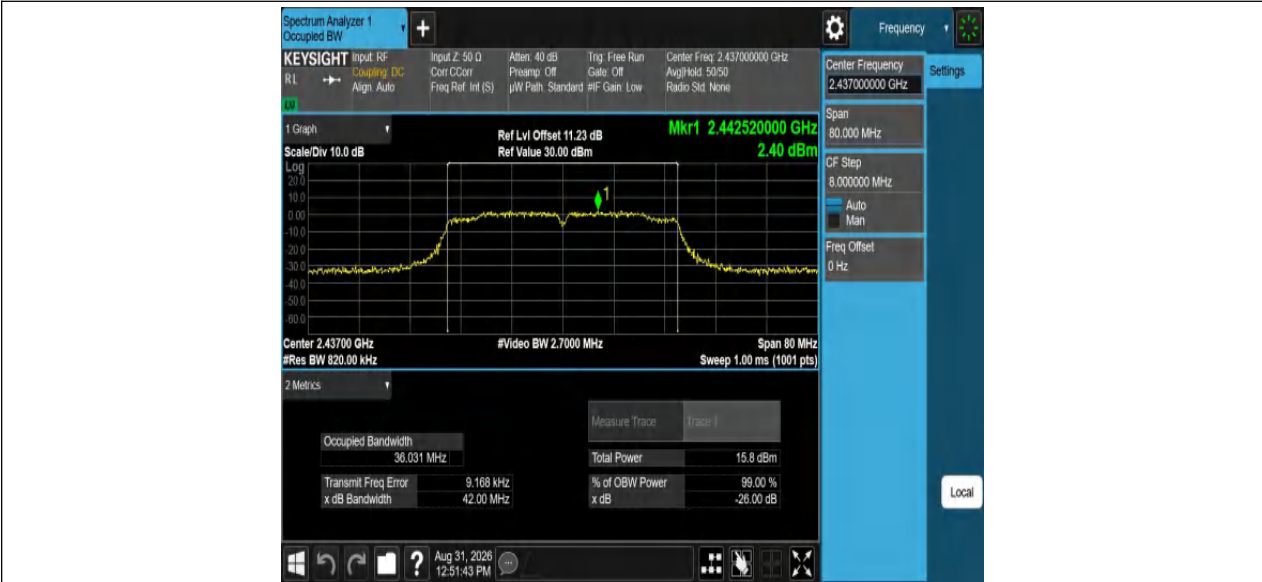
11N40MIMO_Ant1_2422



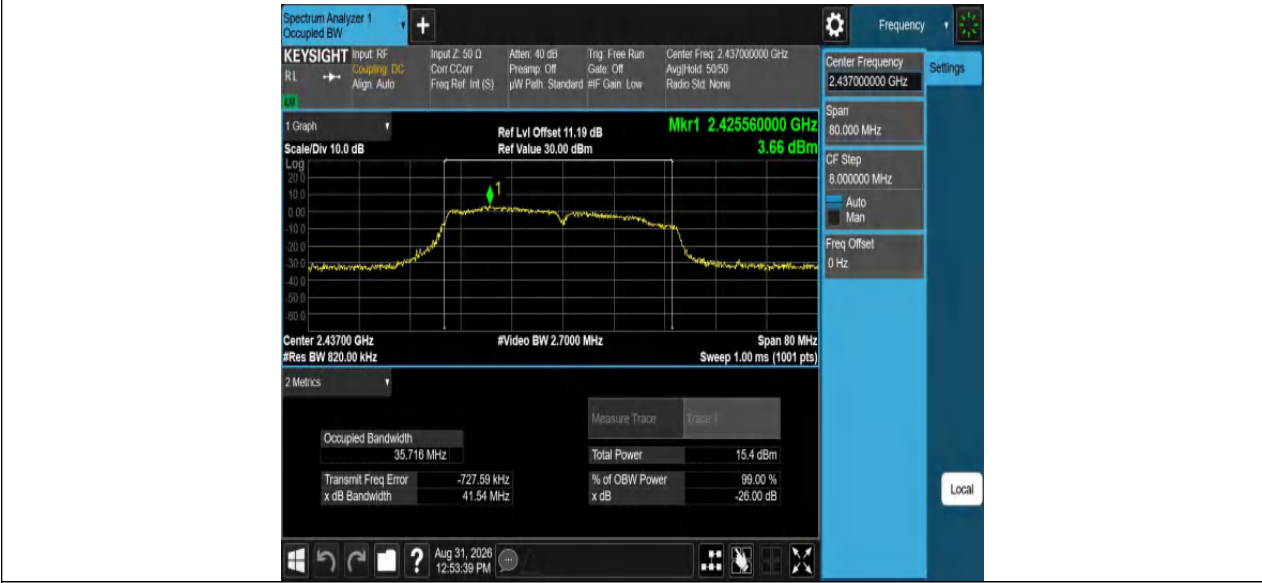
11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452





11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462







10. Conducted Output Power

10.1. Block diagram of test setup

Same as section 8.1

10.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3)	Peak Output Power	1 watt or 30 dBm	2400-2483.5

10.3. Test Procedure

The maximum conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast responding diode detector. See Figure 24.

10.4. Results

Test Mode	Ant.	Freq. (MHz)	Peak Power (dBm)	Conducted Limit (dBm)	Verdict
11B	Ant1	2412	15.39	≤30.00	PASS
	Ant2	2412	16.33	≤30.00	PASS
	Ant1	2437	15.57	≤30.00	PASS
	Ant2	2437	16.03	≤30.00	PASS
	Ant1	2462	15.16	≤30.00	PASS
	Ant2	2462	15.63	≤30.00	PASS
11G	Ant1	2412	13.09	≤30.00	PASS
	Ant2	2412	14.38	≤30.00	PASS
	Ant1	2437	13.58	≤30.00	PASS
	Ant2	2437	14.21	≤30.00	PASS
	Ant1	2462	13.06	≤30.00	PASS
	Ant2	2462	13.76	≤30.00	PASS
11N20MIMO	Ant1	2412	11.15	≤30.00	PASS
	Ant2	2412	11.04	≤30.00	PASS
	total	2412	14.11	≤30.00	PASS
	Ant1	2437	11.40	≤30.00	PASS
	Ant2	2437	10.85	≤30.00	PASS
	total	2437	14.14	≤30.00	PASS
	Ant1	2462	10.79	≤30.00	PASS
	Ant2	2462	10.50	≤30.00	PASS
	total	2462	13.66	≤30.00	PASS
11N40MIMO	Ant1	2422	11.80	≤30.00	PASS
	Ant2	2422	11.54	≤30.00	PASS
	total	2422	14.68	≤30.00	PASS
	Ant1	2437	11.96	≤30.00	PASS
	Ant2	2437	11.18	≤30.00	PASS
	total	2437	14.60	≤30.00	PASS
	Ant1	2452	11.86	≤30.00	PASS
	Ant2	2452	11.14	≤30.00	PASS
	total	2452	14.53	≤30.00	PASS
11AX20MIMO	Ant1	2412	11.52	≤30.00	PASS
	Ant2	2412	11.28	≤30.00	PASS
	total	2412	14.41	≤30.00	PASS
	Ant1	2437	11.64	≤30.00	PASS
	Ant2	2437	10.91	≤30.00	PASS
	total	2437	14.30	≤30.00	PASS

	Ant1	2462	11.06	≤ 30.00	PASS
	Ant2	2462	10.60	≤ 30.00	PASS
	total	2462	13.85	≤ 30.00	PASS
11AX40MIMO	Ant1	2422	11.63	≤ 30.00	PASS
	Ant2	2422	11.38	≤ 30.00	PASS
	total	2422	14.52	≤ 30.00	PASS
	Ant1	2437	11.25	≤ 30.00	PASS
	Ant2	2437	11.00	≤ 30.00	PASS
	total	2437	14.14	≤ 30.00	PASS
	Ant1	2452	11.06	≤ 30.00	PASS
	Ant2	2452	10.88	≤ 30.00	PASS
	total	2452	13.98	≤ 30.00	PASS

11. Power Spectral Density

11.1. Block diagram of test setup

Same as section 8.1

11.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e)	Power Spectral Density	8 dBm/3 kHz	2400-2483.5

11.3. Test Procedure

Connect the UUT to the spectrum analyzer and use the following settings:

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW	$\geq 3 \times \text{RBW}$
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

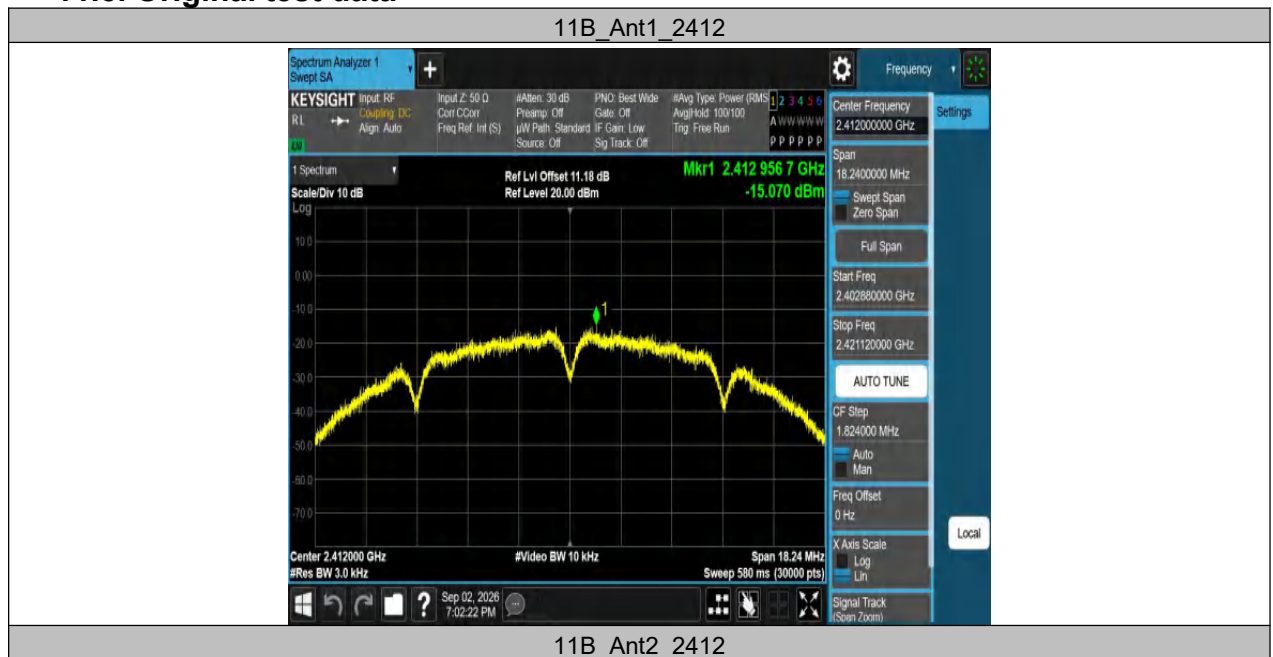
11.4. Results

Test Mode	Ant.	Freq. (MHz)	Result (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
11B	Ant1	2412	-15.07	≤ 8.00	PASS
	Ant2	2412	-15.05	≤ 8.00	PASS
	Ant1	2437	-15.37	≤ 8.00	PASS
	Ant2	2437	-15.37	≤ 8.00	PASS
	Ant1	2462	-16.15	≤ 8.00	PASS
	Ant2	2462	-15.62	≤ 8.00	PASS
11G	Ant1	2412	-20.98	≤ 8.00	PASS
	Ant2	2412	-20.57	≤ 8.00	PASS
	Ant1	2437	-21.02	≤ 8.00	PASS
	Ant2	2437	-20.93	≤ 8.00	PASS
	Ant1	2462	-21.60	≤ 8.00	PASS
	Ant2	2462	-20.76	≤ 8.00	PASS
11N20MIMO	Ant1	2412	-21.96	≤ 8.00	PASS
	Ant2	2412	-22.10	≤ 8.00	PASS
	total	2412	-19.02	≤ 8.00	PASS
	Ant1	2437	-21.90	≤ 8.00	PASS
	Ant2	2437	-22.75	≤ 8.00	PASS
	total	2437	-19.29	≤ 8.00	PASS
	Ant1	2462	-22.12	≤ 8.00	PASS
	Ant2	2462	-22.77	≤ 8.00	PASS
	total	2462	-19.42	≤ 8.00	PASS
11N40MIMO	Ant1	2422	-23.28	≤ 8.00	PASS
	Ant2	2422	-21.81	≤ 8.00	PASS
	total	2422	-19.47	≤ 8.00	PASS
	Ant1	2437	-22.83	≤ 8.00	PASS
	Ant2	2437	-23.76	≤ 8.00	PASS

	total	2437	-20.26	≤8.00	PASS
	Ant1	2452	-22.57	≤8.00	PASS
	Ant2	2452	-22.28	≤8.00	PASS
	total	2452	-19.41	≤8.00	PASS
11AX20MIMO	Ant1	2412	-22.37	≤8.00	PASS
	Ant2	2412	-22.35	≤8.00	PASS
	total	2412	-19.35	≤8.00	PASS
	Ant1	2437	-21.15	≤8.00	PASS
	Ant2	2437	-22.10	≤8.00	PASS
	total	2437	-18.59	≤8.00	PASS
	Ant1	2462	-22.51	≤8.00	PASS
	Ant2	2462	-22.69	≤8.00	PASS
	total	2462	-19.59	≤8.00	PASS
	Ant1	2422	-24.30	≤8.00	PASS
11AX40MIMO	Ant2	2422	-23.67	≤8.00	PASS
	total	2422	-20.96	≤8.00	PASS
	Ant1	2437	-24.39	≤8.00	PASS
	Ant2	2437	-25.10	≤8.00	PASS
	total	2437	-21.72	≤8.00	PASS
	Ant1	2452	-25.13	≤8.00	PASS
	Ant2	2452	-23.90	≤8.00	PASS
	total	2452	-21.46	≤8.00	PASS

Note: Offset=cable loss + Test system insertion loss

11.5. Original test data







11B_Ant2_2462



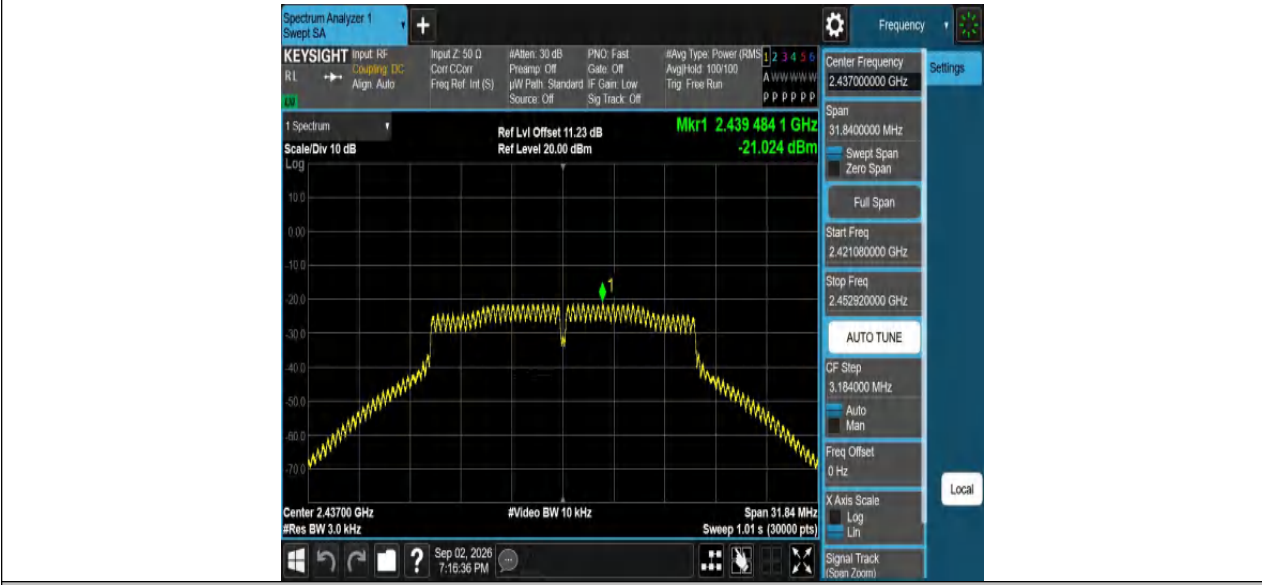
11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2462