

FCC AND ISCED CERTIFICATION TEST REPORT

Applicant:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Product Description:	IEEE 802.11 a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1/3.0/4.2/5.0
Brand Name:	N/A
Tested Model:	SKO.WB822CU.15
FCC ID:	2AR82-SKOWB822CU15
IC:	24728-SKOWB822CU1
Report No.:	JCF251225021-004
Received Date:	Dec. 25, 2025
Tested Date:	Dec. 25, 2025 ~ Jan. 27, 2026
Issued Date:	Jan. 27, 2026
Test Standards:	FCC Rules and Regulations Part 15 Subpart E, RSS-247 Issue 4 July 2025
Test Procedure:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 A2, Feb. 2021 ETSI EN 301 893 V2.2.1
Test Result:	Pass
Prepared By:  <u>Roger Li/Engineer</u> Date: Jan. 27, 2026	
Reviewed By:  <u>Kennys Zhang/Engineer</u> Date: Jan. 27, 2026	
Approved By:  <u>Talent Zhang/Engineer</u> Date: Jan. 27, 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
--	/	Jan. 27, 2026	Original Report	/

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1. Test Report Declare

Applicant:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Product Name:	IEEE 802.11 a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1/3.0/4.2/5.0
Brand Name:	N/A
Model Name:	SKO.WB822CU.15
Difference Description:	NA

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	6/26dB Bandwidth	FCC 15.407 (a)&(e) RSS-247 Clause 7.3	Pass
2	99% Occupied Bandwidth	RSS-Gen Clause 6.6	Pass
3	Maximum Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 7.3	Pass
4	Power Spectral Density	FCC 15.407 (a) RSS-247 Clause 7.3	Pass
5	Frequency Stability Measurement	FCC 15.407 (g) RSS-Gen Clause 6.11	Pass
6	Radiated Band edge and Spurious Emission	FCC 15.407 (b) FCC 15.209 FCC 15.205 RSS-247 Clause 7.3 RSS-GEN Clause 8.9	Pass
7	Power Line Conducted Emission	FCC 15.207 RSS-GEN Clause 8.8	Pass
8	Antenna requirement	FCC 15.203 RSS-GEN Clause 6.8	Pass
9	Dynamic Frequency Selection	FCC 15.407 (h) RSS-247 Clause 7.3.6	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:	IEEE 802.11 a/b/g/n/ac 2T2R USB Wi-Fi Module Integrated Bluetooth 2.1/3.0/4.2/5.0
Model Number:	N/A
EUT Function Description:	Please refer to user manual of this device
Power Supply:	5V+/-0.5
Sample No.:	JCF251225021-004
Hardware Version:	NA
Software Version:	NA
Radio Specification:	IEEE 802.11a/n/ac
Operation Frequency:	IEEE 802.11a: 5180MHz—5825MHz IEEE 802.11n HT20: 5180MHz—5825MHz IEEE 802.11n HT40: 5190MHz—5795MHz IEEE 802.11ac VHT20: 5180MHz—5825MHz IEEE 802.11ac VHT40: 5190MHz—5795MHz IEEE 802.11ac VHT80: 5210MHz—5775MHz
Modulation:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac (VHT20/40/80): OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	Steel sheet Antenna1, MAX. Gain: 0.9 dBi PCB Antenna2, MAX. Gain: 2.01 dBi

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

UNII-1 (For Bandwidth = 20 MHz)		UNII-1 (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	/	/
48	5240	/	/
UNII-1 (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
42		5210	

UNII-2A (For Bandwidth = 20 MHz)		UNII-2A (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270
56	5280	62	5310
60	5300	/	/
64	5320	/	/

UNII-2A (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)
58	5290

UNII-2C (For Bandwidth = 20 MHz)		UNII-2C (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
120	5600	142	5710
124	5620	/	/
128	5640	/	/
132	5660	/	/
136	5680	/	/
140	5700	/	/
144	5720	/	/

UNII-2C (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)
106	5530
122	5610
138	5690

UNII-3 (For Bandwidth = 20 MHz)		UNII-3 (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785	/	/
161	5805	/	/
165	5825	/	/

UNII-3 (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)
155	5775

4.3. Test Channel Configuration

Mode	Data rate (Mbps)	Test Channel and Frequency
------	------------------	----------------------------

	(see Note)	
802.11a TX Mode	6	CH36, 5180
	6	CH44, 5220
	6	CH48, 5240
	6	CH52, 5260
	6	CH60, 5300
	6	CH64, 5320
	6	CH100, 5500
	6	CH116, 5580
	6	CH140, 5700
	6	CH144, 5720
	6	CH149, 5745
	6	CH157, 5785
	6	CH165, 5825
802.11n HT20 TX Mode	MCS 8	CH36, 5180
	MCS 8	CH44, 5220
	MCS 8	CH48, 5240
	MCS 8	CH52, 5260
	MCS 8	CH60, 5300
	MCS 8	CH64, 5320
	MCS 8	CH100, 5500
	MCS 8	CH116, 5580
	MCS 8	CH140, 5700
	MCS 8	CH144, 5720
	MCS 8	CH149, 5745
	MCS 8	CH157, 5785
	MCS 8	CH165, 5825
802.11n HT40 TX Mode	MCS 8	CH38, 5190
	MCS 8	CH46, 5230
	MCS 8	CH54, 5270
	MCS 8	CH62, 5310
	MCS 8	CH102, 5510
	MCS 8	CH110, 5550
	MCS 8	CH134, 5670
	MCS 8	CH142, 5710
	MCS 8	CH151, 5755
	MCS 8	CH159, 5795
802.11ac VHT20 TX Mode	MCS 0	CH36, 5180
	MCS 0	CH44, 5220
	MCS 0	CH48, 5240
	MCS 0	CH52, 5260

	MCS 0	CH60, 5300
	MCS 0	CH64, 5320
	MCS 0	CH100, 5500
	MCS 0	CH116, 5580
	MCS 0	CH140, 5700
	MCS 0	CH140, 5720
	MCS 0	CH149, 5745
	MCS 0	CH157, 5785
	MCS 0	CH165, 5825
802.11ac VHT40 TX Mode	MCS 0	CH38, 5190
	MCS 0	CH46, 5230
	MCS 0	CH54, 5270
	MCS 0	CH62, 5310
	MCS 0	CH102, 5510
	MCS 0	CH110, 5550
	MCS 0	CH134, 5670
	MCS 0	CH142, 5710
	MCS 0	CH151, 5755
802.11ac VHT80 TX Mode	MCS 0	CH159, 5795
	MCS 0	CH42, 5210
	MCS 0	CH58, 5290
	MCS 0	CH106, 5530
	MCS 0	CH122, 5610
	MCS 0	CH138, 5690
	MCS 0	CH155, 5775

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:

	Normal Conditions	Extreme Conditions
Temperature range	21-25 °C	-10 °C to +70 °C
Humidity range	40-75%	N/A
Pressure range	86-106 kPa	N/A
Power supply	NV: DC 5V	N/A

Note: The Extreme temperature range and extreme voltages are declared by the manufacturer.

4.5. The Worse Case Power Setting Parameter

The Worse Case Power Setting Parameter			
Test Software	MP Tool		
Mode	Channel	Soft set value	
		ANT0	ANT1
802.11a	36	80	70

	44	80	70
	48	80	70
	52	80	70
	60	80	70
	64	80	70
	100	80	60
	116	60	60
	140	60	60
	144	60	60
	149	60	60
	157	60	60
	165	60	60
802.11n HT20	36	60	60
	44	60	60
	48	60	60
	52	60	60
	60	60	60
	64	60	60
	100	50	50
	116	50	50
	140	50	50
	144	50	50
	149	50	50
	157	50	50
	165	50	50
802.11n HT40	38	50	50
	46	50	50
	54	55	55
	62	55	55
	102	55	55
	110	55	55
	134	55	55
	142	55	55
	151	55	55
	159	55	55
802.11ac VHT20	36	55	55
	44	55	55
	48	55	55
	52	55	55
	60	55	55
	64	55	55

	100	55	55
	116	55	55
	140	55	55
	144	55	55
	149	55	55
	157	55	55
	165	55	55
802.11ac VHT40	38	55	55
	46	55	55
	54	55	55
	62	55	55
	102	55	55
	110	55	55
	134	55	55
	144	55	55
	151	55	55
	159	55	55
802.11ac VHT80	42	55	55
	58	55	55
	106	55	55
	122	50	50
	138	50	50
	155	50	50

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11a	☒ 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.
802.11ac VHT20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ac VHT40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ac VHT80	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
Note: The 802.11n, 11ac and 11ax support MIMO.		

5. Description of Test Setup

5.1. Accessory

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

5.2. Support Equipment

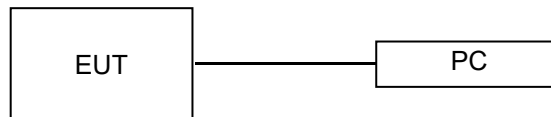
Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/
Adapter	Lenovo	ADL100YDC3A	0000000413972

5.3. Test Setup

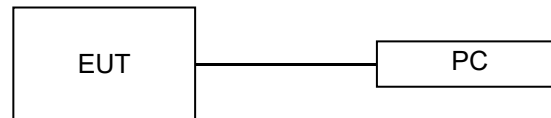
The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

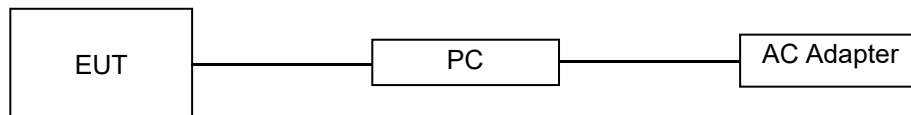
RF Connect Test:



Radiated Emission Test:



AC Power Line Conducted Emissions Test:



6. Measurement uncertainty

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.

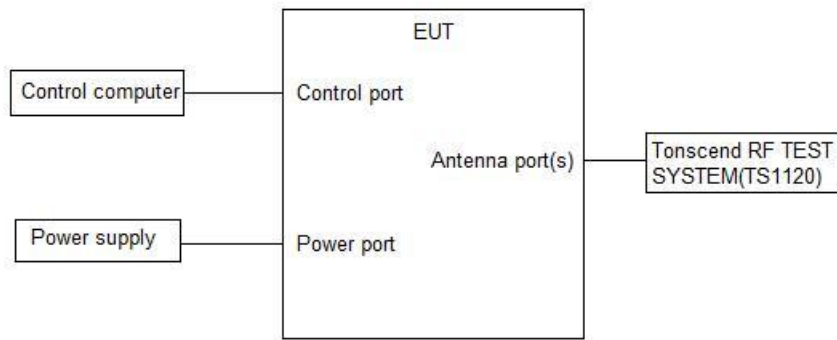
7. Measuring Instrument and Software Used

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
☒	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
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5173B	MY62220145	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY61252859	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E3642A	MY40005294	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Aug. 01, 2025	Jul. 31, 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	ESW44	101685	Feb. 24, 2025	Feb. 25, 2026
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01416	May. 28, 2025	May. 27, 2026
☒	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	/	Path3: WIFI-5.1G 1-6.5GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path4: WIFI-5.4G 1-6.5GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path5: WIFI-5.8G 1-6.5GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path10:	/	Jul. 31, 2025	Jul. 30, 2026

			6.5GHz High PASS 6.5-18GHz			
☑	Test path	/	Path16: 30MHz-1GHz ALL PASS NO AMP	/	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. 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

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW $\geq$ EBW if possible; otherwise,

set RBW to the largest available value. Set VBW $\geq$ RBW.

Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

8.4. Results

Test Mode	Ant.	Freq. (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)
11A	Ant1	5180	1.36	1.86	73.12
	Ant2	5180	1.37	1.86	73.66
	Ant1	5200	1.37	1.87	73.26
	Ant2	5200	1.36	1.86	73.12
	Ant1	5240	1.37	1.86	73.66
	Ant2	5240	1.36	1.86	73.12
	Ant1	5260	1.36	1.86	73.12
	Ant2	5260	1.36	1.86	73.12
	Ant1	5280	1.35	1.86	72.58
	Ant2	5280	1.36	1.86	73.12
	Ant1	5320	1.37	1.86	73.66
	Ant2	5320	1.36	1.86	73.12
	Ant1	5500	1.36	1.86	73.12
	Ant2	5500	1.36	1.86	73.12
	Ant1	5580	1.36	1.87	72.73
	Ant2	5580	1.37	1.86	73.66
	Ant1	5700	1.36	1.86	73.12
	Ant2	5700	1.36	1.86	73.12
	Ant1	5720	1.36	1.86	73.12
	Ant2	5720	1.37	1.86	73.66

	Ant1	5745	1.36	1.86	73.12
	Ant2	5745	1.36	1.86	73.12
	Ant1	5785	1.36	1.86	73.12
	Ant2	5785	1.37	1.86	73.66
	Ant1	5825	1.36	1.86	73.12
	Ant2	5825	1.36	1.86	73.12
11N20MIMO	Ant1	5180	1.27	1.78	71.35
	Ant2	5180	1.27	1.78	71.35
	Ant1	5200	1.27	1.77	71.75
	Ant2	5200	1.28	1.78	71.91
	Ant1	5240	1.27	1.77	71.75
	Ant2	5240	1.27	1.77	71.75
	Ant1	5260	1.28	1.78	71.91
	Ant2	5260	1.28	1.78	71.91
	Ant1	5280	1.28	1.78	71.91
	Ant2	5280	1.28	1.78	71.91
	Ant1	5320	1.27	1.77	71.75
	Ant2	5320	1.28	1.78	71.91
	Ant1	5500	1.28	1.78	71.91
	Ant2	5500	1.27	1.77	71.75
	Ant1	5580	1.28	1.78	71.91
	Ant2	5580	1.28	1.78	71.91
	Ant1	5700	1.27	1.77	71.75
	Ant2	5700	1.28	1.78	71.91
	Ant1	5720	1.27	1.77	71.75
	Ant2	5720	1.28	1.78	71.91
	Ant1	5745	1.28	1.78	71.91
	Ant2	5745	1.27	1.77	71.75
	Ant1	5785	1.28	1.78	71.91
	Ant2	5785	1.27	1.77	71.75
	Ant1	5825	1.27	1.77	71.75
	Ant2	5825	1.28	1.78	71.91
11N40MIMO	Ant1	5190	0.63	1.13	55.75
	Ant2	5190	0.63	1.13	55.75
	Ant1	5230	0.63	1.14	55.26
	Ant2	5230	0.63	1.13	55.75
	Ant1	5270	0.63	1.13	55.75
	Ant2	5270	0.63	1.13	55.75
	Ant1	5310	0.63	1.13	55.75
	Ant2	5310	0.64	1.14	56.14
	Ant1	5510	0.63	1.13	55.75
	Ant2	5510	0.63	1.13	55.75
	Ant1	5550	0.63	1.13	55.75
	Ant2	5550	0.63	1.13	55.75
	Ant1	5670	0.64	1.14	56.14
	Ant2	5670	0.63	1.13	55.75
	Ant1	5710	0.64	1.14	56.14
	Ant2	5710	0.64	1.14	56.14
	Ant1	5755	0.63	1.13	55.75
	Ant2	5755	0.63	1.13	55.75
	Ant1	5795	0.63	1.13	55.75
	Ant2	5795	0.64	1.14	56.14
11AC20MIMO	Ant1	5180	1.27	1.78	71.35
	Ant2	5180	1.28	1.78	71.91
	Ant1	5200	1.27	1.78	71.35
	Ant2	5200	1.27	1.78	71.35
	Ant1	5240	1.28	1.78	71.91
	Ant2	5240	1.28	1.78	71.91
	Ant1	5260	1.27	1.78	71.35
	Ant2	5260	1.27	1.78	71.35

	Ant1	5280	1.28	1.78	71.91
	Ant2	5280	1.28	1.78	71.91
	Ant1	5320	1.28	1.78	71.91
	Ant2	5320	1.27	1.78	71.35
	Ant1	5500	1.27	1.78	71.35
	Ant2	5500	1.27	1.78	71.35
	Ant1	5580	1.28	1.78	71.91
	Ant2	5580	1.27	1.78	71.35
	Ant1	5700	1.28	1.78	71.91
	Ant2	5700	1.28	1.78	71.91
	Ant1	5720	1.28	1.78	71.91
	Ant2	5720	1.27	1.78	71.35
	Ant1	5745	1.27	1.78	71.35
	Ant2	5745	1.27	1.78	71.35
	Ant1	5785	1.28	1.78	71.91
	Ant2	5785	1.28	1.78	71.91
	Ant1	5825	1.28	1.77	72.32
	Ant2	5825	1.27	1.77	71.75
11AC40MIMO	Ant1	5190	0.64	1.14	56.14
	Ant2	5190	0.64	1.14	56.14
	Ant1	5230	0.63	1.14	55.26
	Ant2	5230	0.63	1.13	55.75
	Ant1	5270	0.64	1.14	56.14
	Ant2	5270	0.64	1.14	56.14
	Ant1	5310	0.64	1.14	56.14
	Ant2	5310	0.63	1.14	55.26
	Ant1	5510	0.64	1.14	56.14
	Ant2	5510	0.64	1.14	56.14
	Ant1	5550	0.64	1.14	56.14
	Ant2	5550	0.64	1.14	56.14
	Ant1	5670	0.64	1.14	56.14
	Ant2	5670	0.64	1.14	56.14
	Ant1	5710	0.64	1.14	56.14
	Ant2	5710	0.63	1.14	55.26
	Ant1	5755	0.64	1.14	56.14
	Ant2	5755	0.64	1.14	56.14
	Ant1	5795	0.63	1.14	55.26
	Ant2	5795	0.64	1.14	56.14
11AC80MIMO	Ant1	5210	0.32	0.82	39.02
	Ant2	5210	0.32	0.82	39.02
	Ant1	5290	0.32	0.82	39.02
	Ant2	5290	0.32	0.82	39.02
	Ant1	5530	0.32	0.82	39.02
	Ant2	5530	0.32	0.82	39.02
	Ant1	5610	0.32	0.82	39.02
	Ant2	5610	0.32	0.82	39.02
	Ant1	5690	0.32	0.82	39.02
	Ant2	5690	0.32	0.82	39.02
	Ant1	5775	0.32	0.82	39.02
	Ant2	5775	0.32	0.82	39.02

Note: Offset=cable loss + Test system insertion loss

8.5. Original Test Data





11A Ant1 5240



11A Ant2 5240



11A Ant1 5260



11A_Ant2_5260



11A_Ant1_5280



11A_Ant2_5280



11A Ant1 5320



11A Ant2 5320



11A Ant1 5500



11A Ant2 5500



11A Ant1 5580



11A Ant2 5580



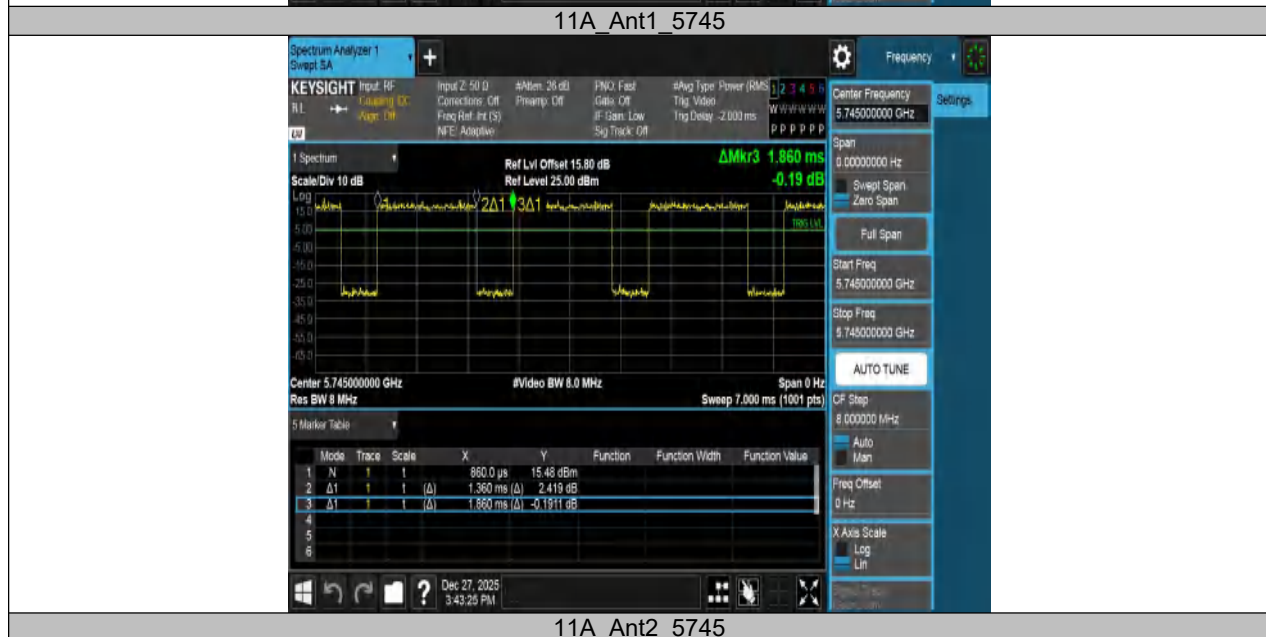
11A_Ant1_5700



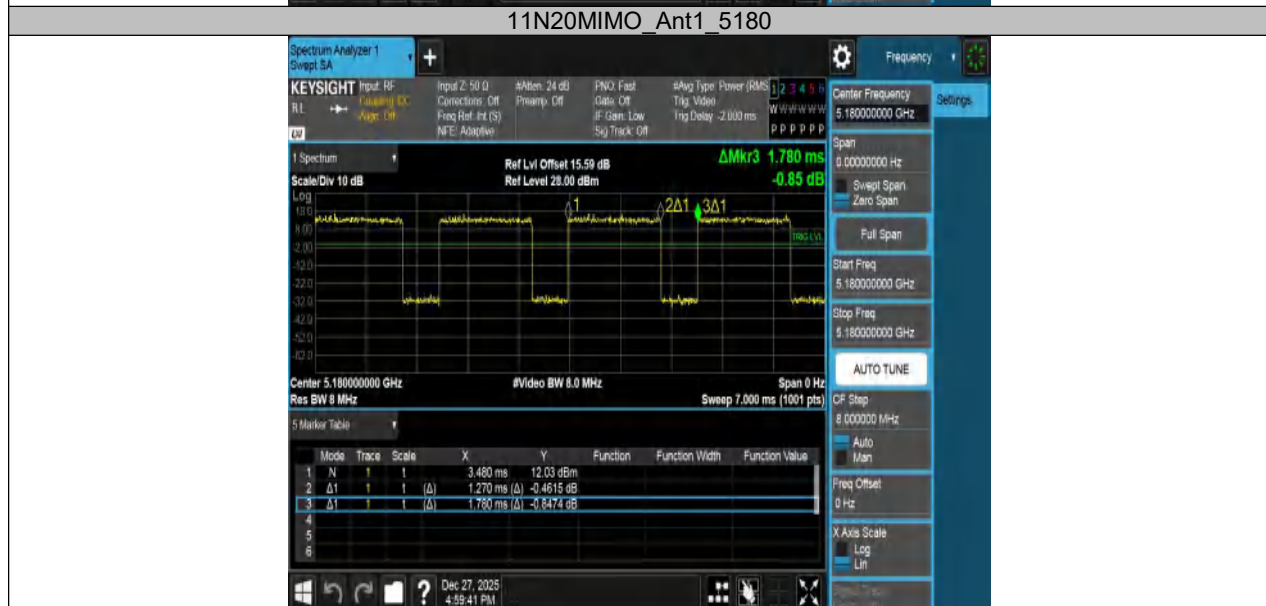
11A_Ant2_5700



11A Ant1 5720













11N20MIMO Ant1 5280



11N20MIMO Ant2 5280



11N20MIMO Ant1 5320





























































9. 26dB Bandwidth, 6dB Bandwidth and 99% Bandwidth

9.1. Block Diagram of Test Setup

Same as section 8.1

9.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Bandwidth	26 dB Bandwidth	5150 - 5250
	26 dB Bandwidth	5250 - 5350
	26 dB Bandwidth	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 5725
	Minimum 500 kHz 6 dB Bandwidth	5725 - 5850
	For reporting purposes only.	For IC: 5150 ~ 5825

9.3. Test Procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: approximately 1 % ~ 5 % of the OBW. For 26 dB Bandwidth: approximately 1% of the emission bandwidth. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW.
VBW	For 6 dB Bandwidth: $\geq 3 \times \text{RBW}$ For 26 dB Bandwidth: $\geq 3 \times \text{RBW}$ For 99 % Bandwidth: $\geq 3 \times \text{RBW}$
Trace	Max hold
Sweep	Auto couple

(2) Allow the trace to stabilize, 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 and 6 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. Test Result

Test Mode	Ant.	Freq. (MHz)	OCB (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
11A	Ant1	5180	16.880	5171.5191	5188.3991	---	---
	Ant2	5180	16.497	5171.7311	5188.2281	---	---
	Ant1	5200	16.537	5191.7174	5208.2544	---	---
	Ant2	5200	16.439	5191.7513	5208.1903	---	---
	Ant1	5240	16.506	5231.7358	5248.2418	---	---
	Ant2	5240	16.543	5231.7247	5248.2677	---	---
	Ant1	5260	16.545	5251.7038	5268.2488	---	---
	Ant2	5260	16.502	5251.6974	5268.1994	---	---
	Ant1	5280	16.503	5271.7084	5288.2114	---	---
	Ant2	5280	16.492	5271.7425	5288.2345	---	---
	Ant1	5320	16.466	5311.7362	5328.2022	---	---
	Ant2	5320	16.475	5311.7791	5328.2541	---	---
	Ant1	5500	16.576	5491.6805	5508.2565	---	---
	Ant2	5500	16.525	5491.6976	5508.2226	---	---
	Ant1	5580	16.554	5571.7374	5588.2914	---	---
	Ant2	5580	16.486	5571.7285	5588.2145	---	---
	Ant1	5700	16.507	5691.7463	5708.2533	---	---

	Ant2	5700	16.464	5691.7494	5708.2134	---	---
	Ant1	5720	16.463	5711.7451	5728.2081	---	---
	Ant2	5720	16.591	5711.6937	5728.2847	---	---
	Ant1	5720_UNII-2C	13.255	5711.7451	5725	---	---
	Ant2	5720_UNII-2C	13.306	5711.6937	5725	---	---
	Ant1	5720_UNII-3	3.208	5725	5728.2081	---	---
	Ant2	5720_UNII-3	3.285	5725	5728.2847	---	---
	Ant1	5745	16.509	5736.7096	5753.2186	---	---
	Ant2	5745	16.528	5736.7338	5753.2618	---	---
	Ant1	5785	16.550	5776.6892	5793.2392	---	---
	Ant2	5785	16.483	5776.7233	5793.2063	---	---
	Ant1	5825	16.580	5816.6650	5833.2450	---	---
	Ant2	5825	16.525	5816.6929	5833.2179	---	---
	Ant1	5180	17.641	5171.1588	5188.7998	---	---
11N20MIMO	Ant2	5180	17.657	5171.1364	5188.7934	---	---
	Ant1	5200	17.614	5191.1632	5208.7772	---	---
	Ant2	5200	17.684	5191.0780	5208.7620	---	---
	Ant1	5240	17.643	5231.1358	5248.7788	---	---
	Ant2	5240	17.720	5231.2338	5248.9538	---	---
	Ant1	5260	17.681	5251.1009	5268.7819	---	---
	Ant2	5260	17.617	5251.1471	5268.7641	---	---
	Ant1	5280	17.648	5271.1277	5288.7757	---	---
	Ant2	5280	17.662	5271.0455	5288.7075	---	---
	Ant1	5320	17.663	5311.1326	5328.7956	---	---
	Ant2	5320	17.668	5311.2114	5328.8794	---	---
	Ant1	5500	17.654	5491.1671	5508.8211	---	---
	Ant2	5500	17.634	5491.1672	5508.8012	---	---
	Ant1	5580	17.643	5571.1691	5588.8121	---	---
	Ant2	5580	17.645	5571.1497	5588.7947	---	---
	Ant1	5700	17.676	5691.1151	5708.7911	---	---
	Ant2	5700	17.664	5691.1157	5708.7797	---	---
	Ant1	5720	17.685	5711.0933	5728.7783	---	---
	Ant2	5720	17.635	5711.1292	5728.7642	---	---
	Ant1	5720_UNII-2C	13.907	5711.0933	5725	---	---
	Ant2	5720_UNII-2C	13.871	5711.1292	5725	---	---
	Ant1	5720_UNII-3	3.778	5725	5728.7783	---	---
	Ant2	5720_UNII-3	3.764	5725	5728.7642	---	---
	Ant1	5745	17.664	5736.1199	5753.7839	---	---
	Ant2	5745	17.644	5736.1253	5753.7693	---	---
	Ant1	5785	17.655	5776.1064	5793.7614	---	---
	Ant2	5785	17.653	5776.1067	5793.7597	---	---
	Ant1	5825	17.633	5816.1140	5833.7470	---	---
	Ant2	5825	17.626	5816.1369	5833.7629	---	---
11N40MIMO	Ant1	5190	36.070	5171.9036	5207.9736	---	---
	Ant2	5190	36.121	5171.9601	5208.0811	---	---
	Ant1	5230	36.051	5211.9391	5247.9901	---	---
	Ant2	5230	35.974	5211.9953	5247.9693	---	---
	Ant1	5270	36.135	5251.8846	5288.0196	---	---
	Ant2	5270	36.136	5251.8135	5287.9495	---	---
	Ant1	5310	36.030	5291.9201	5327.9501	---	---
	Ant2	5310	36.030	5291.9480	5327.9780	---	---
	Ant1	5510	36.141	5491.8933	5528.0343	---	---
	Ant2	5510	36.019	5491.9774	5527.9964	---	---
	Ant1	5550	36.017	5531.8112	5567.8282	---	---
	Ant2	5550	35.970	5532.0656	5568.0356	---	---
	Ant1	5670	36.143	5651.8758	5688.0188	---	---
	Ant2	5670	36.082	5651.8544	5687.9364	---	---
	Ant1	5710	36.214	5691.8424	5728.0564	---	---
	Ant2	5710	36.250	5691.7425	5727.9925	---	---
	Ant1	5710_UNII-2C	33.158	5691.8424	5725	---	---

	Ant2	5710 UNII-2C	33.257	5691.7425	5725	---	---
	Ant1	5710 UNII-3	3.056	5725	5728.0564	---	---
	Ant2	5710 UNII-3	2.993	5725	5727.9925	---	---
	Ant1	5755	36.120	5736.8380	5772.9580	---	---
	Ant2	5755	36.037	5736.9329	5772.9699	---	---
	Ant1	5795	36.100	5776.8954	5812.9954	---	---
	Ant2	5795	36.095	5776.8811	5812.9761	---	---
11AC20MIMO	Ant1	5180	17.660	5171.1440	5188.8040	---	---
	Ant2	5180	17.640	5171.1268	5188.7668	---	---
	Ant1	5200	17.642	5191.1301	5208.7721	---	---
	Ant2	5200	17.635	5191.1484	5208.7834	---	---
	Ant1	5240	17.602	5231.1382	5248.7402	---	---
	Ant2	5240	17.617	5231.1485	5248.7655	---	---
	Ant1	5260	17.632	5251.1319	5268.7639	---	---
	Ant2	5260	17.614	5251.1463	5268.7603	---	---
	Ant1	5280	17.652	5271.1454	5288.7974	---	---
	Ant2	5280	17.649	5271.1347	5288.7837	---	---
	Ant1	5320	17.601	5311.1656	5328.7666	---	---
	Ant2	5320	17.623	5311.1462	5328.7692	---	---
	Ant1	5500	17.669	5491.1431	5508.8121	---	---
	Ant2	5500	17.631	5491.1336	5508.7646	---	---
	Ant1	5580	17.652	5571.1206	5588.7726	---	---
	Ant2	5580	17.624	5571.1528	5588.7768	---	---
	Ant1	5700	17.644	5691.1229	5708.7669	---	---
	Ant2	5700	17.676	5691.1144	5708.7904	---	---
	Ant1	5720	17.645	5711.1541	5728.7991	---	---
	Ant2	5720	17.651	5711.1348	5728.7858	---	---
	Ant1	5720 UNII-2C	13.846	5711.1541	5725	---	---
	Ant2	5720 UNII-2C	13.865	5711.1348	5725	---	---
	Ant1	5720 UNII-3	3.799	5725	5728.7991	---	---
	Ant2	5720 UNII-3	3.786	5725	5728.7858	---	---
	Ant1	5745	17.655	5736.1576	5753.8126	---	---
	Ant2	5745	17.636	5736.1486	5753.7846	---	---
	Ant1	5785	17.648	5776.1434	5793.7914	---	---
	Ant2	5785	17.610	5776.1462	5793.7562	---	---
	Ant1	5825	17.647	5816.1176	5833.7646	---	---
	Ant2	5825	17.628	5816.1287	5833.7567	---	---
11AC40MIMO	Ant1	5190	36.213	5171.8182	5208.0312	---	---
	Ant2	5190	36.115	5171.9403	5208.0553	---	---
	Ant1	5230	36.133	5211.9365	5248.0695	---	---
	Ant2	5230	36.127	5211.8778	5248.0048	---	---
	Ant1	5270	36.276	5251.8262	5288.1022	---	---
	Ant2	5270	36.101	5251.9009	5288.0019	---	---
	Ant1	5310	36.142	5291.9544	5328.0964	---	---
	Ant2	5310	36.142	5291.9462	5328.0882	---	---
	Ant1	5510	36.102	5491.9709	5528.0729	---	---
	Ant2	5510	36.135	5491.9980	5528.1330	---	---
	Ant1	5550	36.106	5531.9656	5568.0716	---	---
	Ant2	5550	36.103	5531.9579	5568.0609	---	---
	Ant1	5670	36.162	5651.8468	5688.0088	---	---
	Ant2	5670	36.062	5651.8702	5687.9322	---	---
	Ant1	5710	36.103	5691.9593	5728.0623	---	---
	Ant2	5710	36.087	5691.8885	5727.9755	---	---
	Ant1	5710 UNII-2C	33.041	5691.9593	5725	---	---
	Ant2	5710 UNII-2C	33.112	5691.8885	5725	---	---
	Ant1	5710 UNII-3	3.062	5725	5728.0623	---	---
	Ant2	5710 UNII-3	2.975	5725	5727.9755	---	---
	Ant1	5755	36.151	5736.9159	5773.0669	---	---
	Ant2	5755	36.093	5736.9277	5773.0207	---	---
	Ant1	5795	36.063	5776.9663	5813.0293	---	---

11AC80MIMO	Ant2	5795	36.093	5776.9324	5813.0254	---	---
	Ant1	5210	75.029	5172.4426	5247.4716	---	---
	Ant2	5210	74.468	5172.9585	5247.4265	---	---
	Ant1	5290	74.977	5252.3653	5327.3423	---	---
	Ant2	5290	74.539	5252.6830	5327.2220	---	---
	Ant1	5530	74.732	5492.7950	5567.5270	---	---
	Ant2	5530	74.617	5492.7738	5567.3908	---	---
	Ant1	5610	74.692	5572.6484	5647.3404	---	---
	Ant2	5610	74.625	5572.6774	5647.3024	---	---
	Ant1	5690	74.826	5652.4579	5727.2839	---	---
	Ant2	5690	74.559	5652.4754	5727.0344	---	---
	Ant1	5690 UNII-2C	72.542	5652.4579	5725	---	---
	Ant2	5690 UNII-2C	72.525	5652.4754	5725	---	---
	Ant1	5690 UNII-3	2.284	5725	5727.2839	---	---
	Ant2	5690 UNII-3	2.034	5725	5727.0344	---	---
	Ant1	5775	74.787	5737.5728	5812.3598	---	---
	Ant2	5775	74.243	5737.7683	5812.0113	---	---

Note: Offset=cable loss + Test system insertion loss

Test Mode	Ant.	Freq. (MHz)	26dB EBW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
11A	Ant1	5180	18.440	5170.800	5189.240	---	---
	Ant2	5180	18.000	5170.880	5188.880	---	---
	Ant1	5200	18.440	5190.840	5209.280	---	---
	Ant2	5200	18.280	5191.040	5209.320	---	---
	Ant1	5240	18.400	5230.760	5249.160	---	---
	Ant2	5240	18.080	5230.800	5248.880	---	---
	Ant1	5260	18.360	5250.680	5269.040	---	---
	Ant2	5260	18.120	5250.920	5269.040	---	---
	Ant1	5280	18.160	5270.960	5289.120	---	---
	Ant2	5280	18.560	5270.800	5289.360	---	---
	Ant1	5320	18.160	5310.800	5328.960	---	---
	Ant2	5320	18.160	5310.960	5329.120	---	---
	Ant1	5500	22.720	5489.280	5512.000	---	---
	Ant2	5500	18.240	5490.840	5509.080	---	---
	Ant1	5580	18.520	5570.720	5589.240	---	---
	Ant2	5580	18.080	5570.920	5589.000	---	---
	Ant1	5700	18.200	5690.880	5709.080	---	---
	Ant2	5700	18.440	5690.760	5709.200	---	---
	Ant1	5720	18.440	5710.720	5729.160	---	---
	Ant2	5720	18.200	5710.880	5729.080	---	---
	Ant1	5720 UNII-2C	14.28	5710.720	5725	---	---
	Ant2	5720 UNII-2C	14.12	5710.880	5725	---	---
	Ant1	5720 UNII-3	4.16	5725	5729.160	---	---
	Ant2	5720 UNII-3	4.08	5725	5729.080	---	---
	Ant1	5745	17.920	5735.960	5753.880	---	---
	Ant2	5745	18.160	5735.960	5754.120	---	---
	Ant1	5785	18.440	5775.760	5794.200	---	---
	Ant2	5785	18.800	5775.680	5794.480	---	---
	Ant1	5825	18.480	5815.760	5834.240	---	---
	Ant2	5825	18.280	5815.840	5834.120	---	---
11N20MIMO	Ant1	5180	19.080	5170.480	5189.560	---	---
	Ant2	5180	19.160	5170.360	5189.520	---	---
	Ant1	5200	19.120	5190.360	5209.480	---	---
	Ant2	5200	19.200	5190.240	5209.440	---	---
	Ant1	5240	18.960	5230.560	5249.520	---	---
	Ant2	5240	19.360	5230.360	5249.720	---	---
	Ant1	5260	19.200	5250.280	5269.480	---	---
	Ant2	5260	19.320	5250.200	5269.520	---	---
	Ant1	5280	19.320	5270.160	5289.480	---	---

	Ant2	5280	19.200	5270.200	5289.400	---	---
	Ant1	5320	19.320	5310.320	5329.640	---	---
	Ant2	5320	19.160	5310.400	5329.560	---	---
	Ant1	5500	19.040	5490.320	5509.360	---	---
	Ant2	5500	19.120	5490.480	5509.600	---	---
	Ant1	5580	19.080	5570.440	5589.520	---	---
	Ant2	5580	19.440	5570.200	5589.640	---	---
	Ant1	5700	18.920	5690.560	5709.480	---	---
	Ant2	5700	19.000	5690.360	5709.360	---	---
	Ant1	5720	19.400	5710.160	5729.560	---	---
	Ant2	5720	19.160	5710.280	5729.440	---	---
	Ant1	5720 UNII-2C	14.84	5710.160	5725	---	---
	Ant2	5720 UNII-2C	14.72	5710.280	5725	---	---
	Ant1	5720 UNII-3	4.56	5725	5729.560	---	---
	Ant2	5720 UNII-3	4.44	5725	5729.440	---	---
	Ant1	5745	19.240	5735.280	5754.520	---	---
	Ant2	5745	19.280	5735.400	5754.680	---	---
	Ant1	5785	19.240	5775.320	5794.560	---	---
	Ant2	5785	19.120	5775.440	5794.560	---	---
	Ant1	5825	19.240	5815.400	5834.640	---	---
	Ant2	5825	19.120	5815.360	5834.480	---	---
11N40MIMO	Ant1	5190	41.280	5169.520	5210.800	---	---
	Ant2	5190	40.800	5169.200	5210.000	---	---
	Ant1	5230	40.240	5210.080	5250.320	---	---
	Ant2	5230	40.720	5209.440	5250.160	---	---
	Ant1	5270	40.000	5249.760	5289.760	---	---
	Ant2	5270	39.680	5249.760	5289.440	---	---
	Ant1	5310	39.920	5290.000	5329.920	---	---
	Ant2	5310	39.840	5289.760	5329.600	---	---
	Ant1	5510	39.920	5489.920	5529.840	---	---
	Ant2	5510	40.480	5489.840	5530.320	---	---
	Ant1	5550	40.400	5530.000	5570.400	---	---
	Ant2	5550	41.200	5529.200	5570.400	---	---
	Ant1	5670	40.560	5649.200	5689.760	---	---
	Ant2	5670	40.240	5649.840	5690.080	---	---
	Ant1	5710	40.320	5689.520	5729.840	---	---
	Ant2	5710	40.080	5689.760	5729.840	---	---
	Ant1	5710 UNII-2C	35.48	5689.520	5725	---	---
	Ant2	5710 UNII-2C	35.24	5689.760	5725	---	---
	Ant1	5710 UNII-3	4.84	5725	5729.840	---	---
	Ant2	5710 UNII-3	4.84	5725	5729.840	---	---
	Ant1	5755	40.000	5734.760	5774.760	---	---
	Ant2	5755	40.080	5735.000	5775.080	---	---
	Ant1	5795	40.320	5774.040	5814.360	---	---
	Ant2	5795	40.160	5774.760	5814.920	---	---
11AC20MIMO	Ant1	5180	19.440	5170.240	5189.680	---	---
	Ant2	5180	19.240	5170.360	5189.600	---	---
	Ant1	5200	19.480	5190.120	5209.600	---	---
	Ant2	5200	19.320	5190.440	5209.760	---	---
	Ant1	5240	19.280	5230.320	5249.600	---	---
	Ant2	5240	19.320	5230.240	5249.560	---	---
	Ant1	5260	19.360	5250.360	5269.720	---	---
	Ant2	5260	19.320	5250.360	5269.680	---	---
	Ant1	5280	19.160	5270.360	5289.520	---	---
	Ant2	5280	19.120	5270.320	5289.440	---	---
	Ant1	5320	19.240	5310.280	5329.520	---	---
	Ant2	5320	19.240	5310.320	5329.560	---	---
	Ant1	5500	19.240	5490.320	5509.560	---	---
	Ant2	5500	18.960	5490.560	5509.520	---	---
	Ant1	5580	19.240	5570.280	5589.520	---	---

	Ant2	5580	19.200	5570.280	5589.480	---	---
	Ant1	5700	19.280	5690.200	5709.480	---	---
	Ant2	5700	19.120	5690.360	5709.480	---	---
	Ant1	5720	19.320	5710.280	5729.600	---	---
	Ant2	5720	19.240	5710.400	5729.640	---	---
	Ant1	5720 UNII-2C	14.72	5710.280	5725	---	---
	Ant2	5720 UNII-2C	14.6	5710.400	5725	---	---
	Ant1	5720 UNII-3	4.6	5725	5729.600	---	---
	Ant2	5720 UNII-3	4.64	5725	5729.640	---	---
	Ant1	5745	19.200	5735.360	5754.560	---	---
	Ant2	5745	19.200	5735.360	5754.560	---	---
	Ant1	5785	19.440	5775.200	5794.640	---	---
	Ant2	5785	19.400	5775.200	5794.600	---	---
	Ant1	5825	19.240	5815.400	5834.640	---	---
	Ant2	5825	19.080	5815.480	5834.560	---	---
11AC40MIMO	Ant1	5190	39.680	5170.000	5209.680	---	---
	Ant2	5190	40.640	5169.520	5210.160	---	---
	Ant1	5230	40.160	5209.600	5249.760	---	---
	Ant2	5230	40.640	5209.520	5250.160	---	---
	Ant1	5270	40.560	5249.520	5290.080	---	---
	Ant2	5270	40.000	5249.600	5289.600	---	---
	Ant1	5310	39.520	5290.080	5329.600	---	---
	Ant2	5310	40.000	5289.840	5329.840	---	---
	Ant1	5510	41.120	5489.840	5530.960	---	---
	Ant2	5510	39.920	5490.160	5530.080	---	---
	Ant1	5550	40.240	5529.840	5570.080	---	---
	Ant2	5550	40.480	5529.280	5569.760	---	---
	Ant1	5670	40.720	5649.440	5690.160	---	---
	Ant2	5670	39.920	5649.680	5689.600	---	---
	Ant1	5710	39.680	5690.480	5730.160	---	---
	Ant2	5710	40.160	5689.920	5730.080	---	---
	Ant1	5710 UNII-2C	34.52	5690.480	5725	---	---
	Ant2	5710 UNII-2C	35.08	5689.920	5725	---	---
	Ant1	5710 UNII-3	5.16	5725	5730.160	---	---
	Ant2	5710 UNII-3	5.08	5725	5730.080	---	---
	Ant1	5755	39.760	5735.080	5774.840	---	---
	Ant2	5755	40.560	5734.680	5775.240	---	---
	Ant1	5795	40.080	5774.680	5814.760	---	---
	Ant2	5795	41.280	5773.800	5815.080	---	---
11AC80MIMO	Ant1	5210	80.000	5170.160	5250.160	---	---
	Ant2	5210	80.000	5170.000	5250.000	---	---
	Ant1	5290	80.000	5250.000	5330.000	---	---
	Ant2	5290	80.320	5250.320	5330.640	---	---
	Ant1	5530	79.200	5490.480	5569.680	---	---
	Ant2	5530	79.520	5490.160	5569.680	---	---
	Ant1	5610	80.960	5570.000	5650.960	---	---
	Ant2	5610	79.200	5570.320	5649.520	---	---
	Ant1	5690	79.840	5650.320	5730.160	---	---
	Ant2	5690	80.160	5650.320	5730.480	---	---
	Ant1	5690 UNII-2C	74.68	5650.320	5725	---	---
	Ant2	5690 UNII-2C	74.68	5650.320	5725	---	---
	Ant1	5690 UNII-3	5.16	5725	5730.160	---	---
	Ant2	5690 UNII-3	5.48	5725	5730.480	---	---
	Ant1	5775	81.120	5734.840	5815.960	---	---
	Ant2	5775	79.680	5734.680	5814.360	---	---

Note: Offset=cable loss + Test system insertion loss

Test Mode	Ant.	Freq. (MHz)	6dB EBW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
11A	Ant1	5720	16.280	5711.800	5728.080	---	---

	Ant2	5720	16.400	5711.760	5728.160	---	---
	Ant1	5720 UNII-2C	13.2	5711.800	5725	---	---
	Ant2	5720 UNII-2C	13.24	5711.760	5725	---	---
	Ant1	5720 UNII-3	3.08	5725	5728.080	0.5	PASS
	Ant2	5720 UNII-3	3.16	5725	5728.160	0.5	PASS
	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
	Ant2	5745	16.280	5736.880	5753.160	0.5	PASS
	Ant1	5785	16.160	5776.920	5793.080	0.5	PASS
	Ant2	5785	16.440	5776.800	5793.240	0.5	PASS
	Ant1	5825	16.360	5816.800	5833.160	0.5	PASS
	Ant2	5825	16.280	5816.800	5833.080	0.5	PASS
11N20MIMO	Ant1	5720	17.520	5711.240	5728.760	---	---
	Ant2	5720	17.480	5711.400	5728.880	---	---
	Ant1	5720 UNII-2C	13.76	5711.240	5725	---	---
	Ant2	5720 UNII-2C	13.6	5711.400	5725	---	---
	Ant1	5720 UNII-3	3.76	5725	5728.760	0.5	PASS
	Ant2	5720 UNII-3	3.88	5725	5728.880	0.5	PASS
	Ant1	5745	17.480	5736.240	5753.720	0.5	PASS
	Ant2	5745	17.640	5736.160	5753.800	0.5	PASS
	Ant1	5785	17.600	5776.160	5793.760	0.5	PASS
	Ant2	5785	17.560	5776.240	5793.800	0.5	PASS
	Ant1	5825	17.560	5816.200	5833.760	0.5	PASS
	Ant2	5825	17.320	5816.200	5833.520	0.5	PASS
11N40MIMO	Ant1	5710	35.920	5692.160	5728.080	---	---
	Ant2	5710	36.080	5692.080	5728.160	---	---
	Ant1	5710 UNII-2C	32.84	5692.160	5725	---	---
	Ant2	5710 UNII-2C	32.92	5692.080	5725	---	---
	Ant1	5710 UNII-3	3.08	5725	5728.080	0.5	PASS
	Ant2	5710 UNII-3	3.16	5725	5728.160	0.5	PASS
	Ant1	5755	36.000	5737.000	5773.000	0.5	PASS
	Ant2	5755	31.840	5736.920	5768.760	0.5	PASS
	Ant1	5795	36.240	5776.840	5813.080	0.5	PASS
	Ant2	5795	35.440	5777.640	5813.080	0.5	PASS
	Ant1	5720	17.560	5711.160	5728.720	---	---
11AC20MIMO	Ant2	5720	17.040	5711.720	5728.760	---	---
	Ant1	5720 UNII-2C	13.84	5711.160	5725	---	---
	Ant2	5720 UNII-2C	13.28	5711.720	5725	---	---
	Ant1	5720 UNII-3	3.72	5725	5728.720	0.5	PASS
	Ant2	5720 UNII-3	3.76	5725	5728.760	0.5	PASS
	Ant1	5745	17.520	5736.200	5753.720	0.5	PASS
	Ant2	5745	17.080	5736.280	5753.360	0.5	PASS
	Ant1	5785	17.560	5776.120	5793.680	0.5	PASS
	Ant2	5785	17.560	5776.200	5793.760	0.5	PASS
	Ant1	5825	17.560	5816.200	5833.760	0.5	PASS
	Ant2	5825	17.360	5816.160	5833.520	0.5	PASS
11AC40MIMO	Ant1	5710	36.240	5691.840	5728.080	---	---
	Ant2	5710	35.840	5692.480	5728.320	---	---
	Ant1	5710 UNII-2C	33.16	5691.840	5725	---	---
	Ant2	5710 UNII-2C	32.52	5692.480	5725	---	---
	Ant1	5710 UNII-3	3.08	5725	5728.080	0.5	PASS
	Ant2	5710 UNII-3	3.32	5725	5728.320	0.5	PASS
	Ant1	5755	35.920	5736.920	5772.840	0.5	PASS
	Ant2	5755	32.160	5736.840	5769.000	0.5	PASS
	Ant1	5795	36.240	5776.840	5813.080	0.5	PASS
	Ant2	5795	34.480	5778.680	5813.160	0.5	PASS
	Ant1	5690	74.560	5652.720	5727.280	---	---
11AC80MIMO	Ant2	5690	73.120	5651.760	5724.880	---	---
	Ant1	5690 UNII-2C	72.28	5652.720	5725	---	---
	Ant2	5690 UNII-2C	73.24	5651.760	5725	---	---
	Ant1	5690 UNII-3	2.28	5725	5727.280	0.5	PASS

	Ant2	5690 UNII-3	-0.12	5725	5724.880	0.5	PASS
	Ant1	5775	72.960	5738.200	5811.160	0.5	PASS
	Ant2	5775	73.760	5737.400	5811.160	0.5	PASS

Note: Offset=cable loss + Test system insertion loss

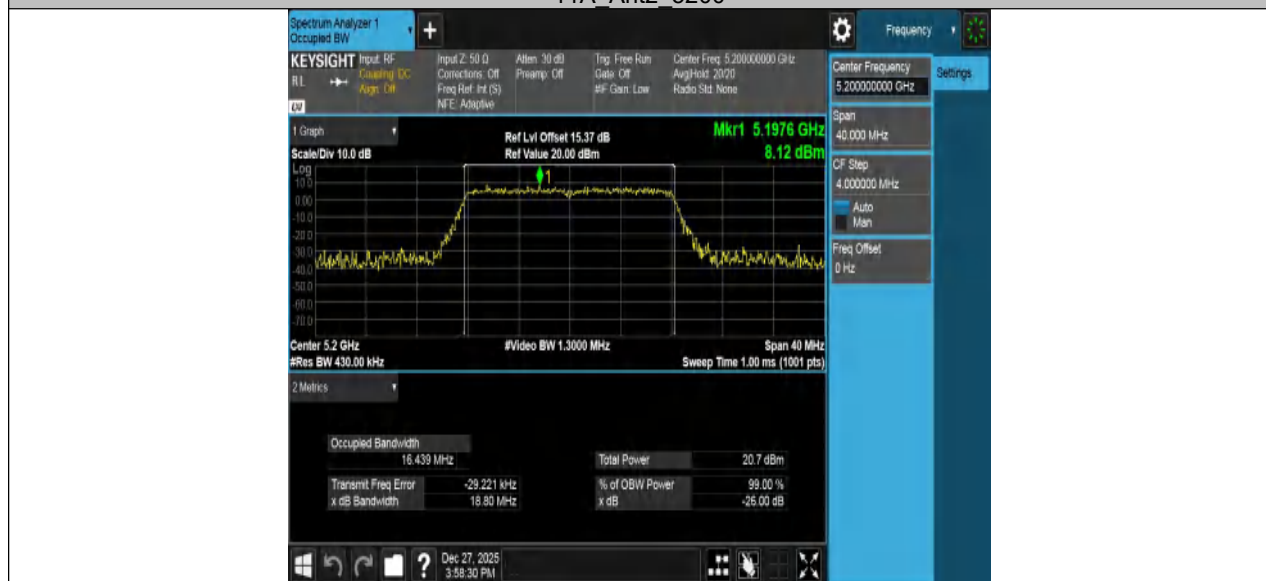
9.5. Original Test Data

99% Bandwidth:

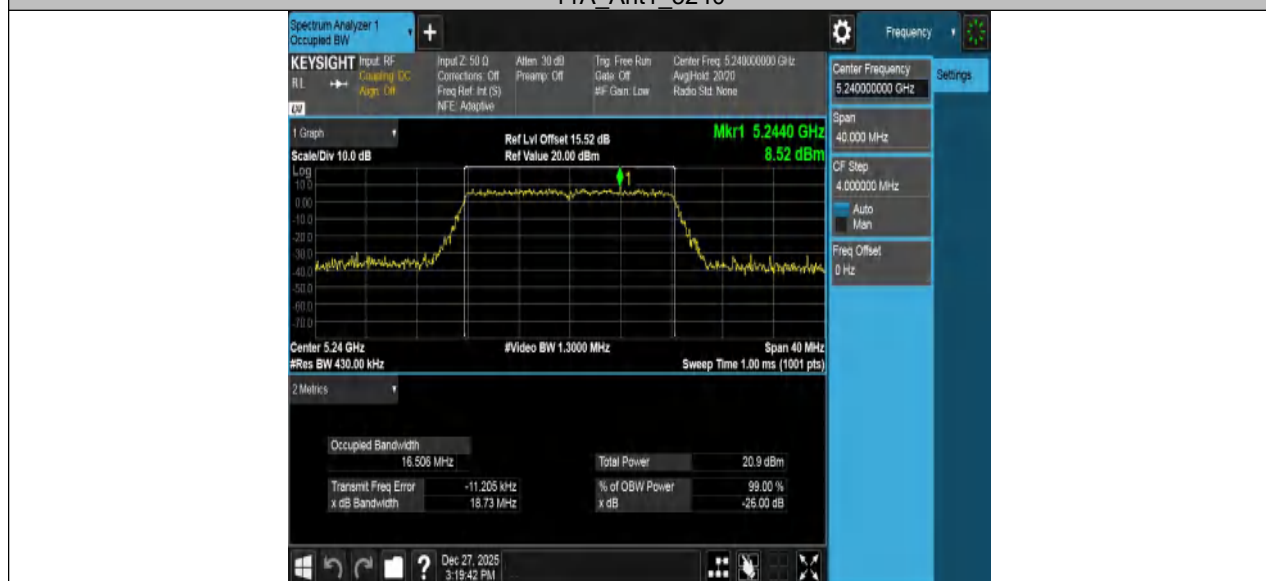




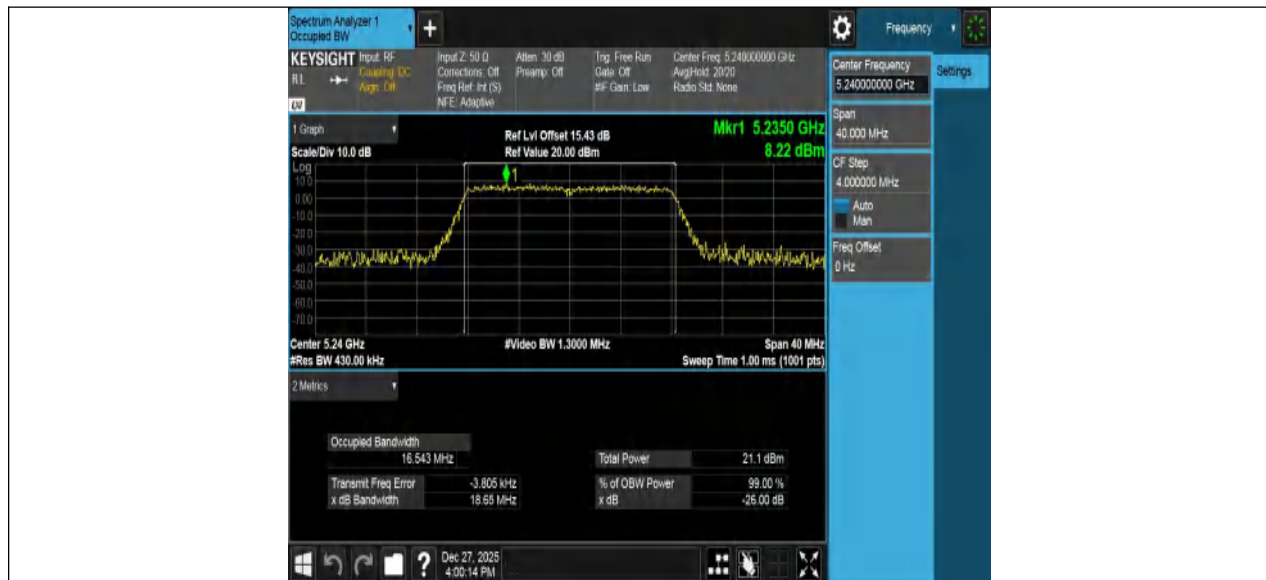
11A_Ant2_5200



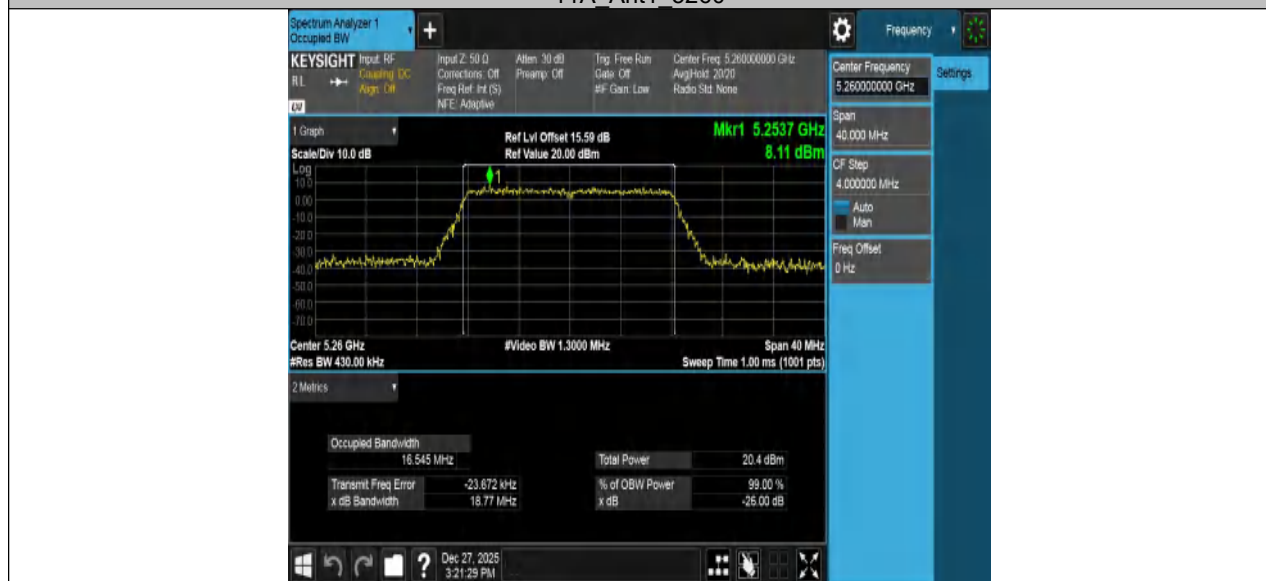
11A_Ant1_5240



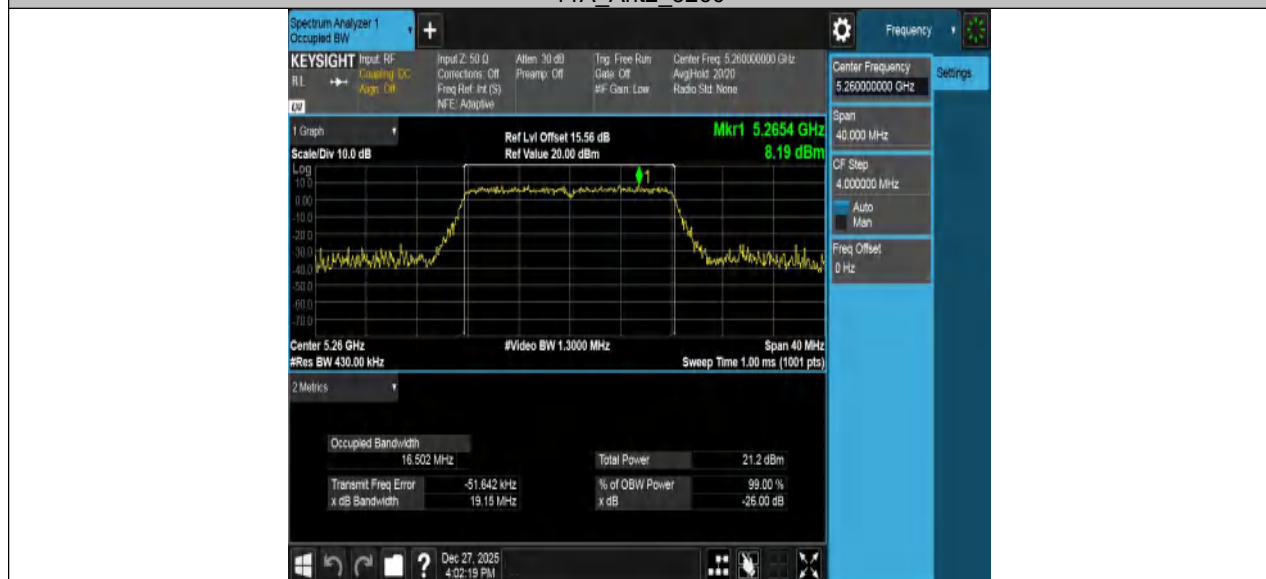
11A_Ant2_5240



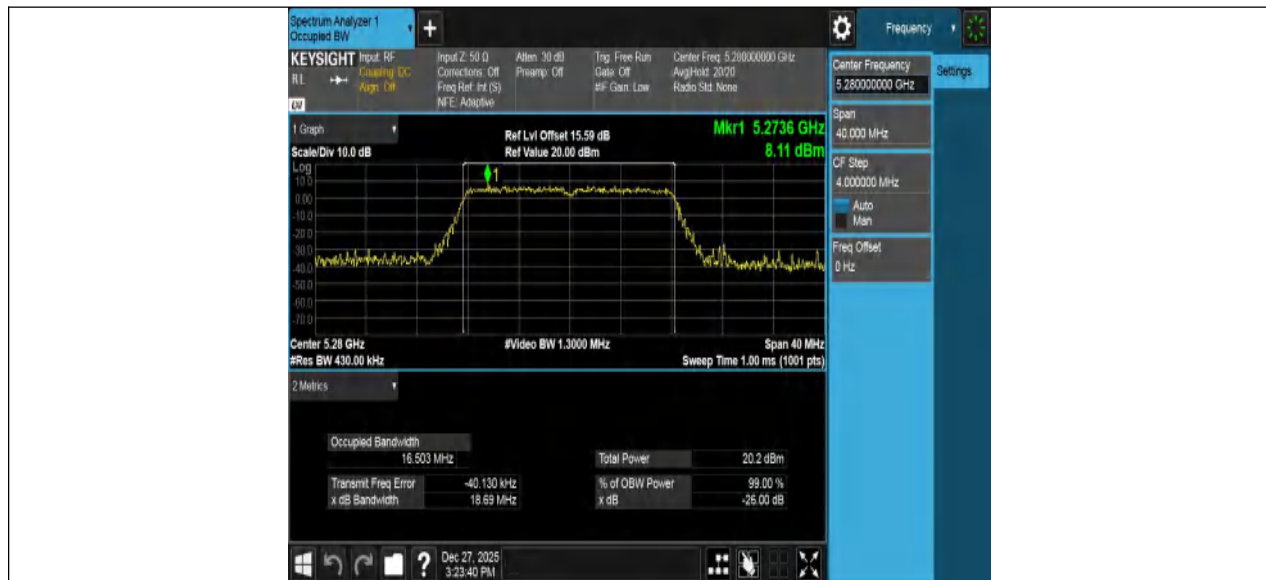
11A Ant1 5260



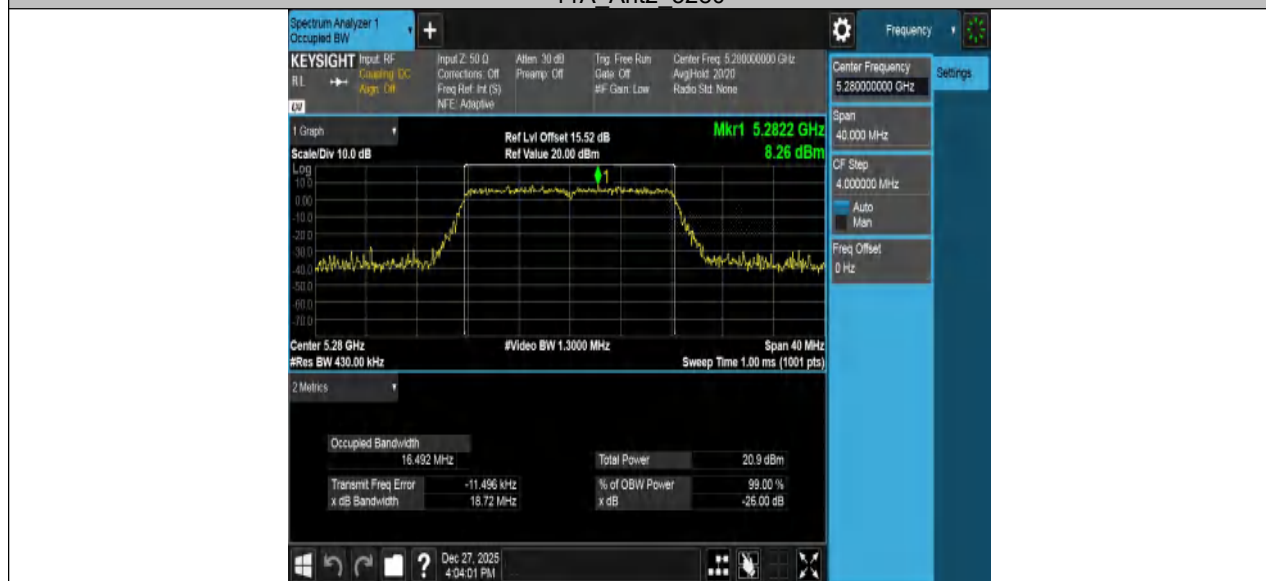
11A Ant2 5260



11A Ant1 5280



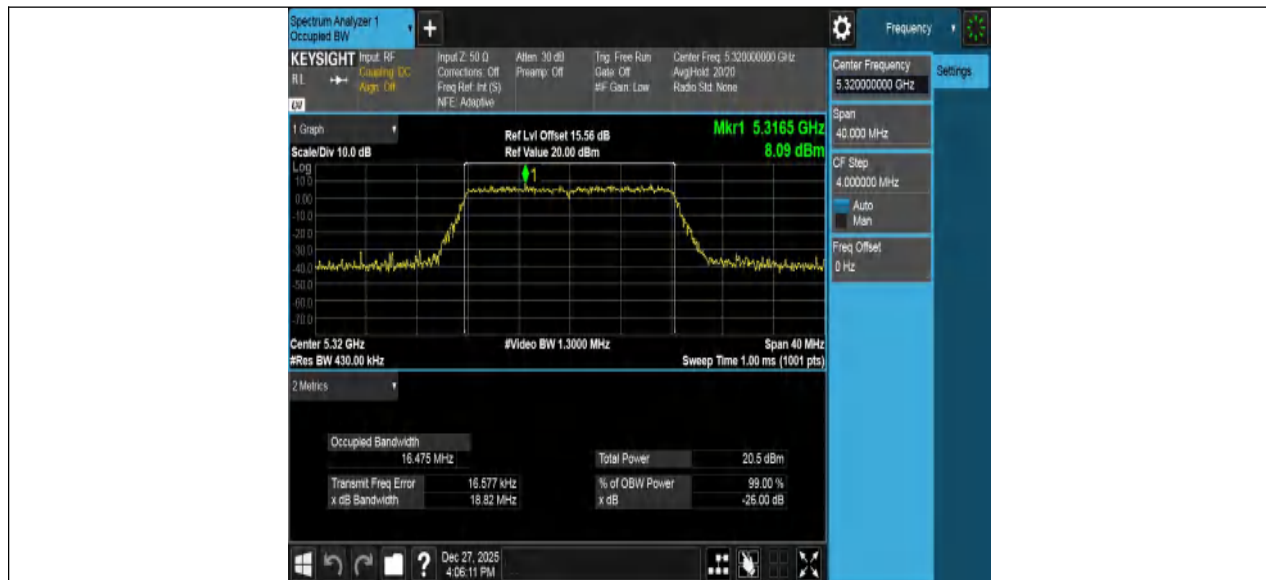
11A_Ant2_5280



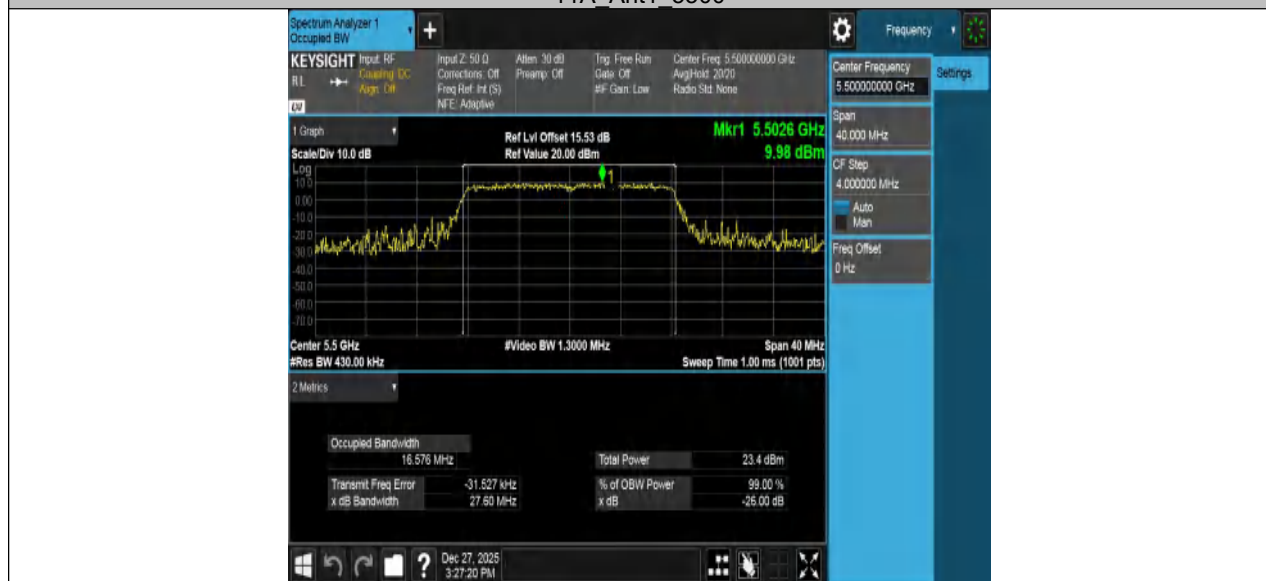
11A_Ant1_5320



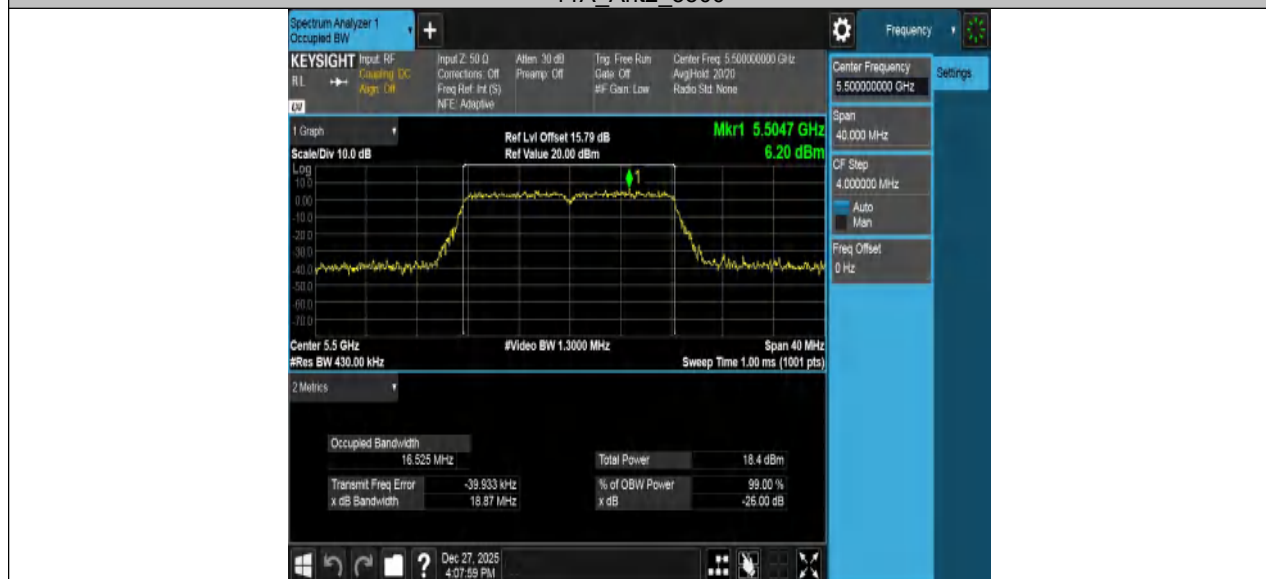
11A_Ant2_5320



11A_Ant1_5500



11A_Ant2_5500



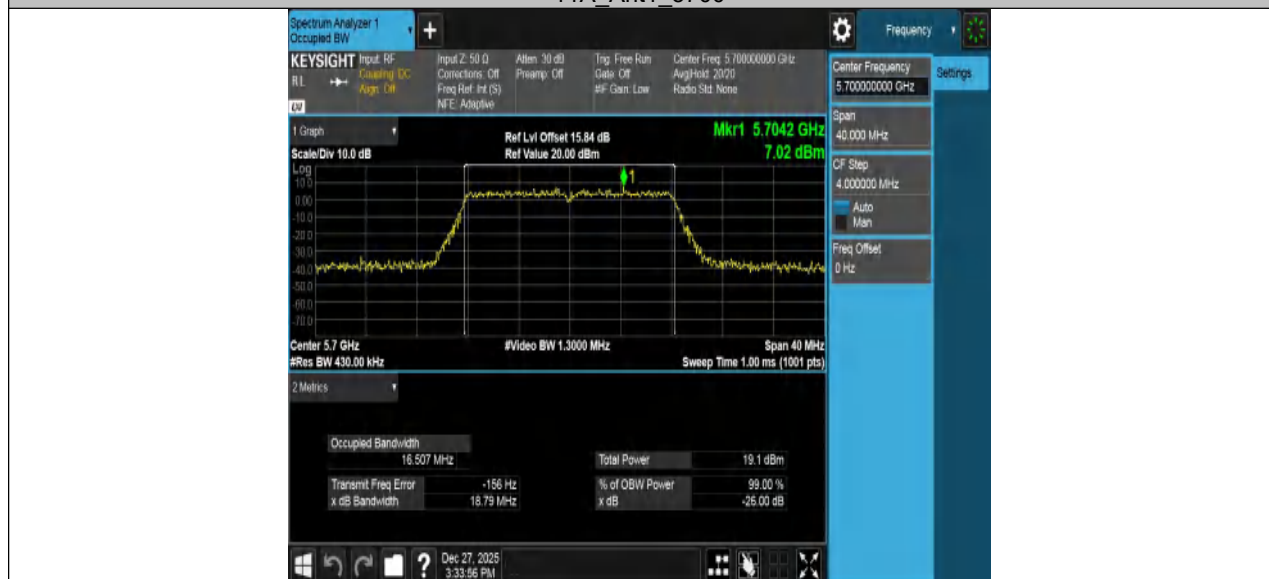
11A_Ant1_5580



11A_Ant2_5580



11A_Ant1_5700



11A_Ant2_5700