

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/ax 1T1R USB+SDIO Wi-Fi Integrated Bluetooth 2.1+EDR/3.0/4.x/5.2/5.3
Brand Name:	N/A
Tested Model:	SKI.WB800D80S.1
FCC ID:	2AR82-SKIWB800D80S1
IC:	24728-SKIWB800D80
Report No.:	JCF251201101-003
Received Date:	Dec. 01, 2025
Tested Date:	Dec. 01, 2025 - Jan. 20, 2026
Issued Date:	Jan. 20, 2026
Test Standards:	FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 4 July 2025
Test Procedure:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, 558074 D01 15.247 Meas Guidance v05r02, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 A2, Feb. 2021
Test Result:	Pass
Prepared By:	
	
<u>Kennys Zhang/Engineer</u> Date: Jan. 20, 2026	
Reviewed By:	
	
<u>Roger Li/Engineer</u> Date: Jan. 20, 2026	
Approved By:	
	
<u>Talent Zhang/Engineer</u> Date: Jan. 20, 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. 20, 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/ax 1T1R USB+SDIO Wi-Fi Integrated Bluetooth 2.1+EDR/3.0/4.x/5.2/5.3
Brand Name:	N/A
Model Name:	SKI.WB800D80S.1
Difference Description:	N/A

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) RSS-247 Clause 5.2 (a) ISED RSS-Gen Clause 6.7	Pass
2	Peak Conducted Output Power	FCC Part 15.247 (b) (3) RSS-247 Clause 5.4 (d)	Pass
3	Power Spectral Density	FCC Part 15.247 (e) RSS-247 Clause 5.2 (b)	Pass
4	Conducted Bandedge and Spurious Emission	FCC Part 15.247 (d) RSS-247 Clause 5.5	Pass
5	Radiated Bandedge and Spurious Emission	FCC Part 15.247 (d) FCC Part 15.209 FCC Part 15.205 RSS-247 Clause 5.5 RSS-GEN Clause 8.9	Pass
6	Conducted Emission Test For AC Power Port	FCC Part 15.207 RSS-GEN Clause 8.8	Pass
7	Antenna Requirement	FCC Part 15.203 RSS-GEN Clause 6.8	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/ax 1T1R USB+SDIO Wi-Fi Integrated Bluetooth 2.1+EDR/3.0/4.x/5.2/5.3
Model Number:	SKI.WB800D80S.1
EUT Function Description:	Please refer to user manual of this device
Power Supply:	DC 3.3V
Sample No.:	251201101-01-01
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:	Shrapnel Antenna, MAX. Gain: 1.4 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

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
	6	Low: CH1	2412
802.11g	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. Description of Available Antennas

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band			
Test Software		MobaXterm	
Modulation Mode	Transmit Antenna Number	Test Software Setting Value	
		Channel	ANT1
802.11b	2	CH1	Default
		CH6	Default
		CH11	Default
802.11g	2	CH1	1 0 4 12
		CH6	Default
		CH11	1 0 4 12
802.11HT20	2	CH1	1 1 0 12
		CH6	Default
		CH11	Default
802.11n HT40	2	CH3	Default
		CH6	Default
		CH9	Default

802.11ax HE20	2	CH1	Default
		CH6	Default
		CH11	Default
802.11ax HE40	2	CH3	Default
		CH6	Default
		CH9	Default

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11b	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
802.11g	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
802.11ax HE20	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.
802.11ax HE40	☒ 1TX, 1RX	ANT 1 can be used as transmitting/receiving antenna.

5. Description of Test Setup

5.1. Accessory

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

5.2. Support Equipment

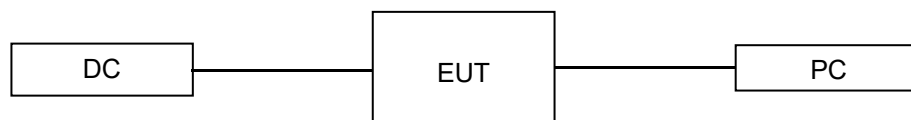
Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/
Adapter	Lenovo	ADLX65YLC3D	/

5.3. Test Setup

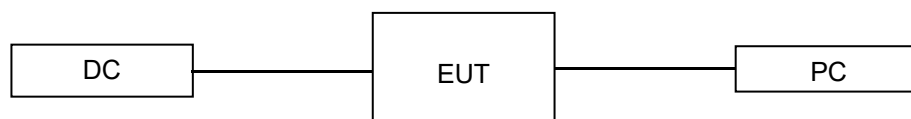
The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

RF Connect Test:



Radiated Emission Test:



AC Power Line Conducted Emissions Test:



6. Measurement Uncertainty

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

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	5.4dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2.	

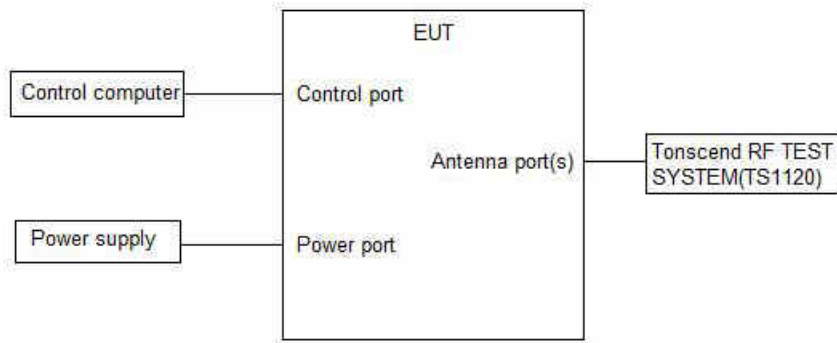
7. Measuring Instrument and Software Used

TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5171B	MY57280639	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E342A	MY59020356	Jul. 31, 2025	Jul. 30, 2026
☒	Incubator thermometer	GWS	EL-02JA	21107288	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	/	Jul. 31, 2025	Jul. 30, 2026
☒	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	ESR26	101424	Feb. 24, 2025	Feb. 25, 2026
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01361	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. 12, 2025	Jan. 11, 2026
☒	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 11, 2026	Jan. 10, 2027
☒	Test path	/	Path2: WIFI-2.4G 1-3GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path9: 3GHz High PASS 3-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	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. 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	8.23	8.75	94.06
		2437	8.23	8.75	94.06
		2462	8.22	8.74	94.05
11G	Ant1	2412	1.36	2.39	56.90
		2437	1.36	1.89	71.96
		2462	1.37	2.40	57.08
11N20SISO	Ant1	2412	1.27	2.30	55.22
		2437	1.28	1.80	71.11
		2462	1.27	1.80	70.56
11N40SISO	Ant1	2422	0.64	1.16	55.17
		2437	0.64	1.16	55.17
		2452	0.64	1.16	55.17
11AX20SISO	Ant1	2412	1.00	1.52	65.79
		2437	1.00	1.53	65.36
		2462	1.00	1.52	65.79
11AX40SISO	Ant1	2422	0.53	1.06	50.00
		2437	0.53	1.05	50.48
		2452	0.53	1.06	50.00

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





11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



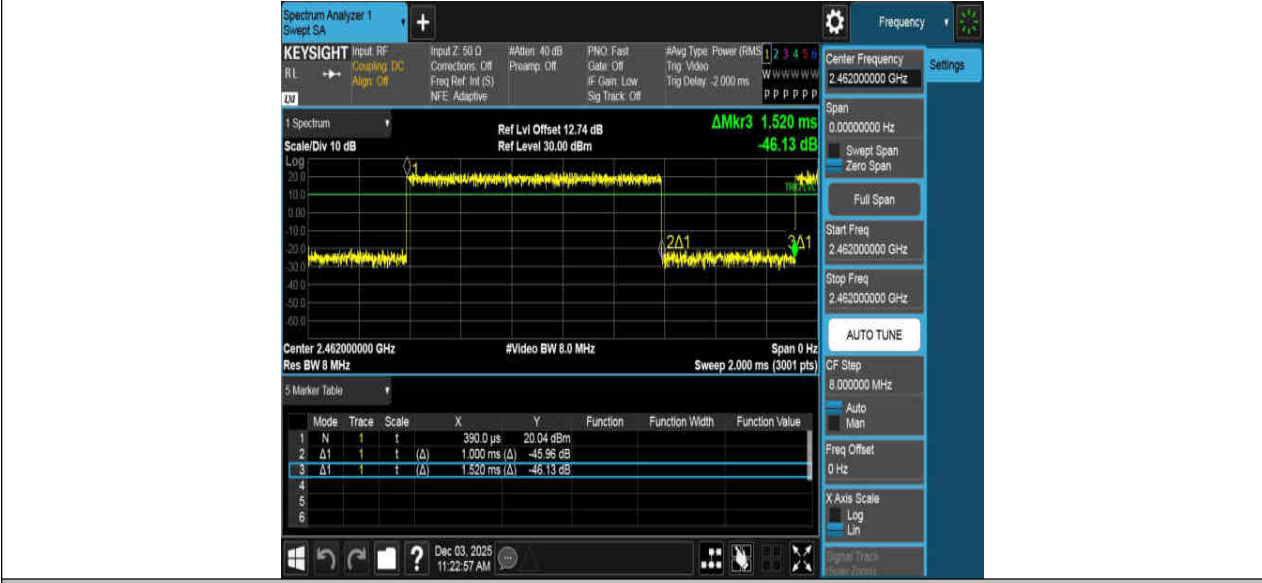




11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



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 ISED RSS-247 Issue 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2) ISED RSS-247 5.2 (a)	6 dB Bandwidth	≥ 500 kHz	2400-2483.5
ISED RSS-Gen Clause 6.7	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 :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	8.080	2408.000	2416.080	0.5	PASS
		2437	8.160	2432.920	2441.080	0.5	PASS
		2462	8.120	2457.960	2466.080	0.5	PASS
11G	Ant1	2412	16.080	2403.880	2419.960	0.5	PASS
		2437	15.920	2429.120	2445.040	0.5	PASS
		2462	15.960	2453.960	2469.920	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.200	2420.560	0.5	PASS
		2437	16.960	2428.680	2445.640	0.5	PASS
		2462	17.080	2453.360	2470.440	0.5	PASS
11N40SISO	Ant1	2422	35.200	2403.920	2439.120	0.5	PASS
		2437	35.920	2419.000	2454.920	0.5	PASS
		2452	35.680	2434.000	2469.680	0.5	PASS
11AX20SISO	Ant1	2412	17.200	2402.920	2420.120	0.5	PASS
		2437	18.480	2427.760	2446.240	0.5	PASS
		2462	18.400	2452.640	2471.040	0.5	PASS
11AX40SISO	Ant1	2422	37.040	2403.280	2440.320	0.5	PASS
		2437	37.120	2418.520	2455.640	0.5	PASS
		2452	36.400	2433.680	2470.080	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	13.521	2405.2905	2418.8115	---	---
		2437	13.087	2430.4977	2443.5847	---	---
		2462	13.332	2455.3609	2468.6929	---	---
11G	Ant1	2412	16.816	2403.5328	2420.3488	---	---
		2437	16.791	2428.6075	2445.3985	---	---
		2462	16.711	2453.6270	2470.3380	---	---
11N20SISO	Ant1	2412	17.871	2403.1304	2421.0014	---	---
		2437	17.892	2428.0331	2445.9251	---	---
		2462	17.978	2452.9998	2470.9778	---	---
11N40SISO	Ant1	2422	36.396	2403.8117	2440.2077	---	---
		2437	36.420	2418.6870	2455.1070	---	---
		2452	36.616	2433.5982	2470.2142	---	---
11AX20SISO	Ant1	2412	19.104	2402.4182	2421.5222	---	---
		2437	18.893	2427.5598	2446.4528	---	---
		2462	18.877	2452.5550	2471.4320	---	---
11AX40SISO	Ant1	2422	38.052	2403.0025	2441.0545	---	---
		2437	37.736	2418.0530	2455.7890	---	---
		2452	38.241	2432.8920	2471.1330	---	---

Note: Offset=cable loss + Test system insertion loss

9.5. Original test data

6dB bandwidth:





11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437





11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437





11AX40SISO_Ant1_2452

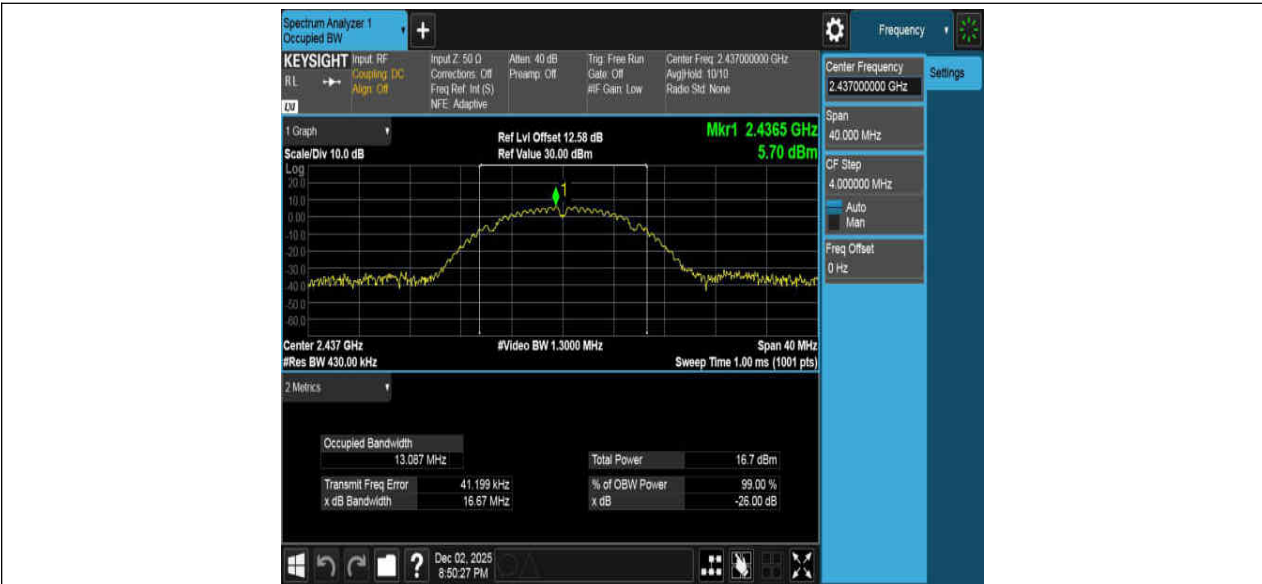


99 % bandwidth:

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



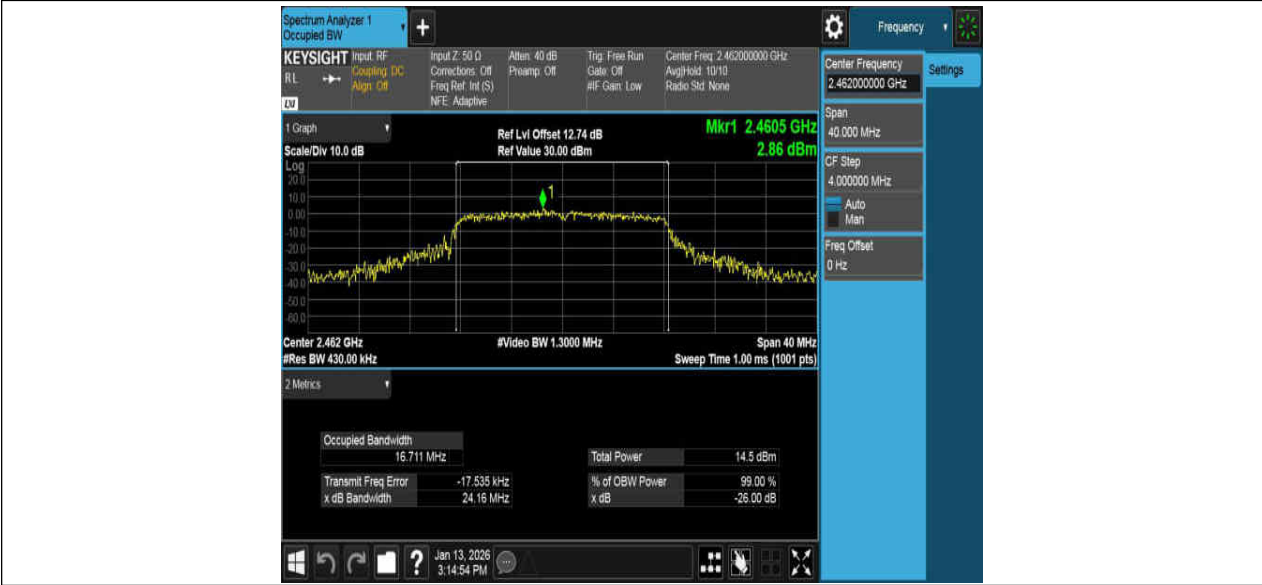
11G_Ant1_2412



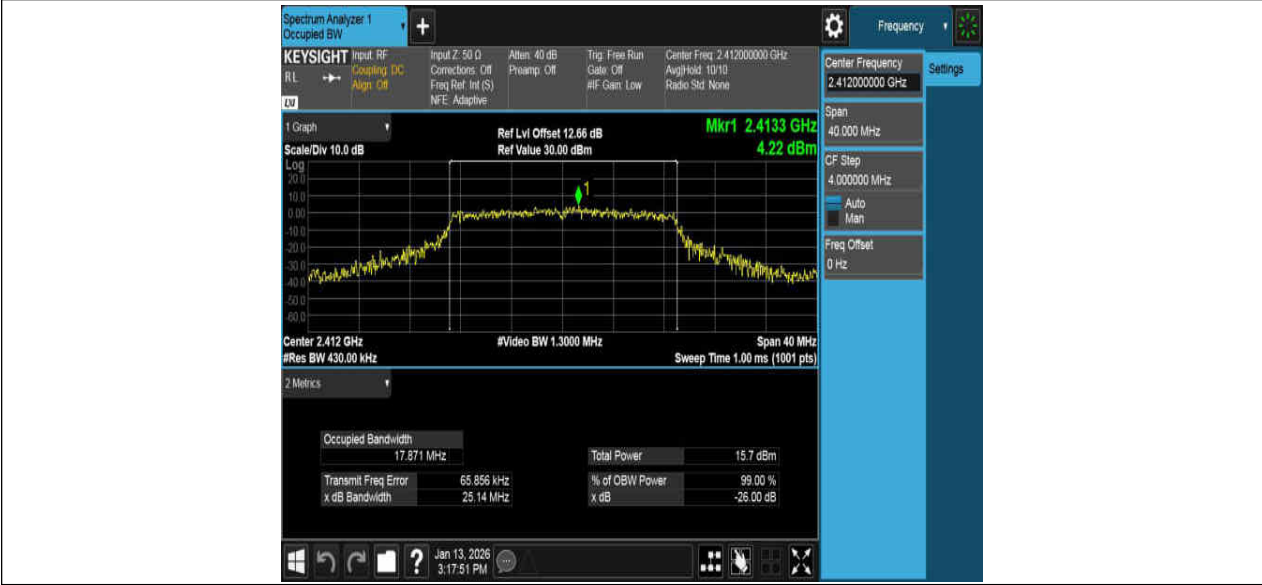
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



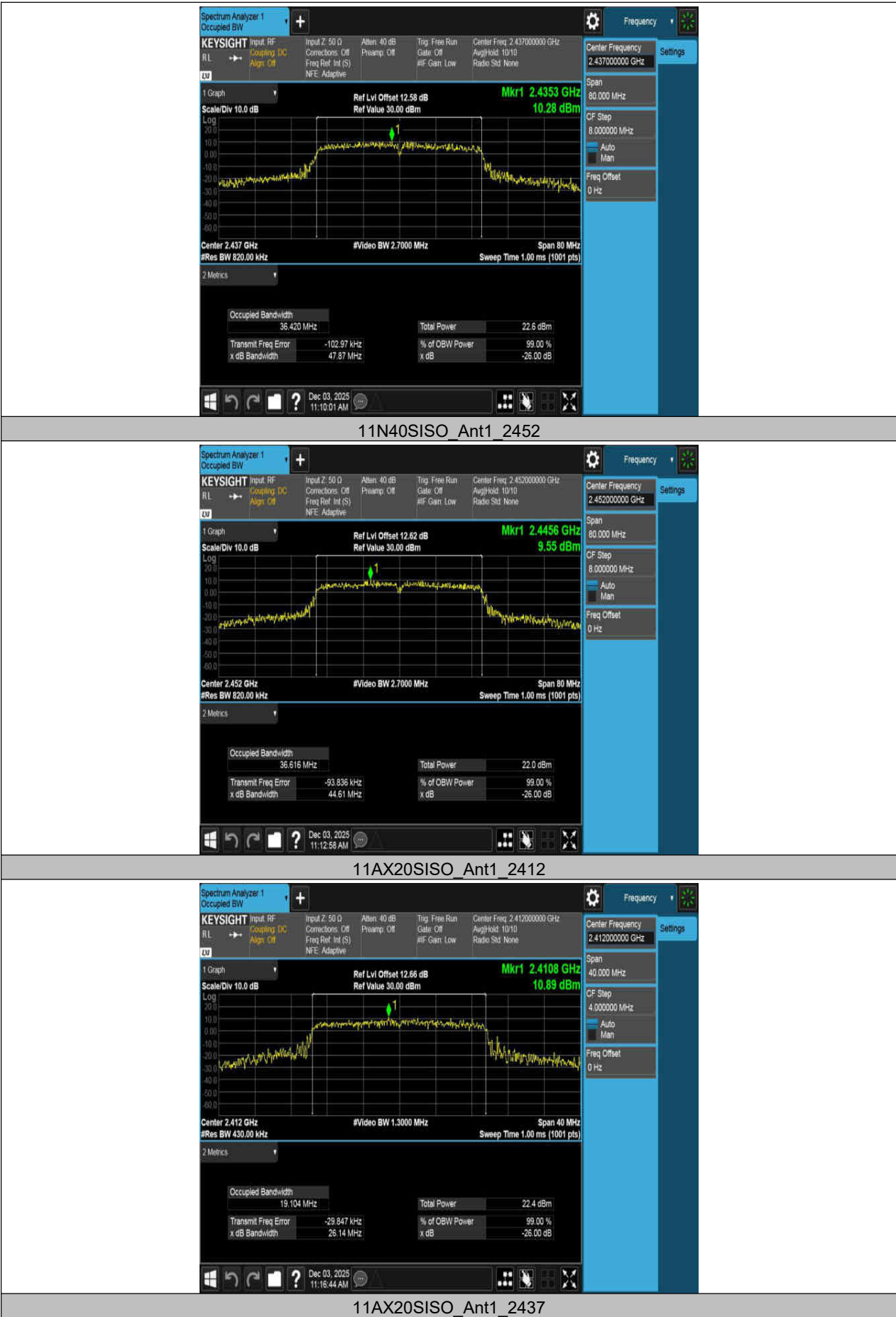
11N20SISO_Ant1_2462

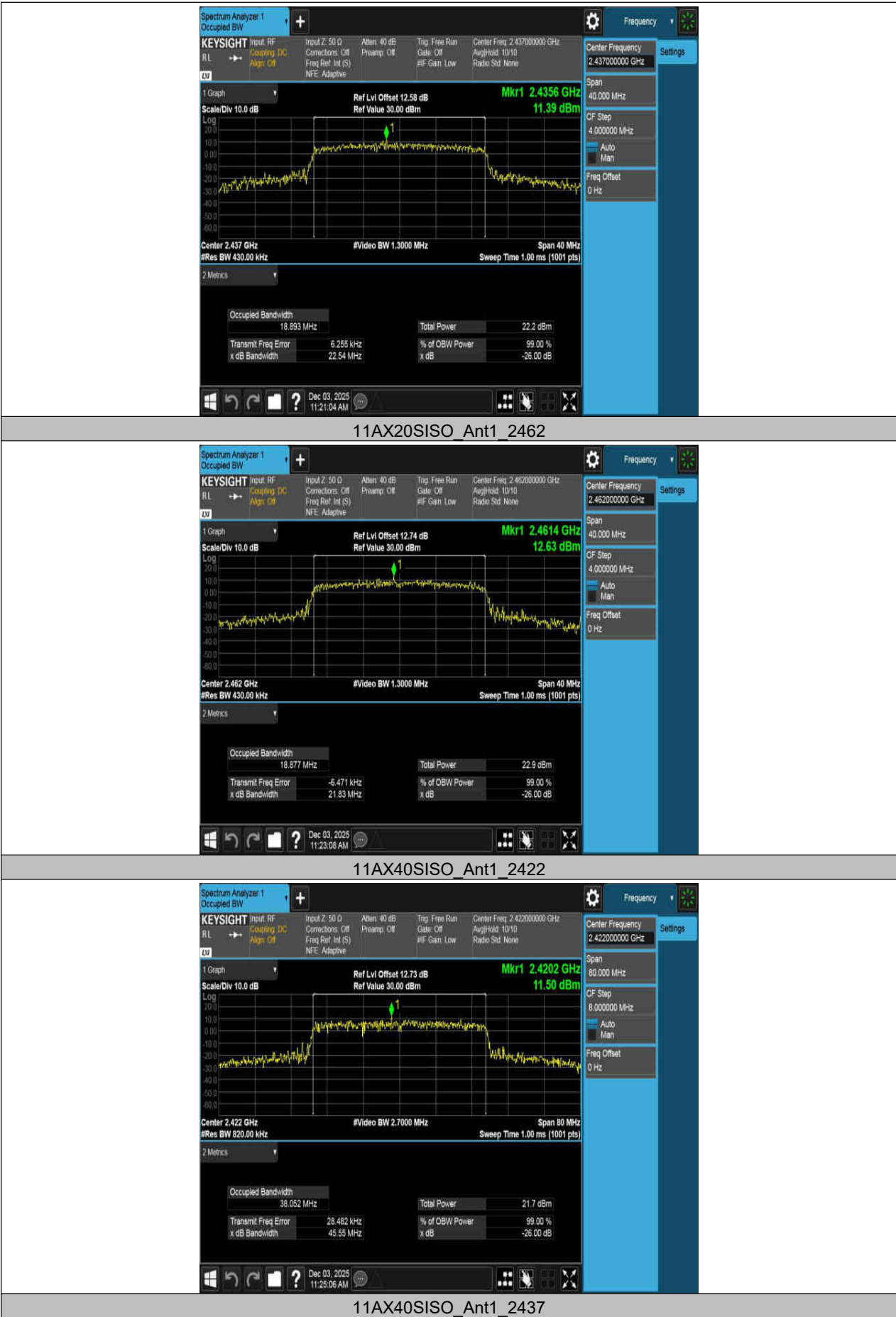


11N40SISO_Ant1_2422



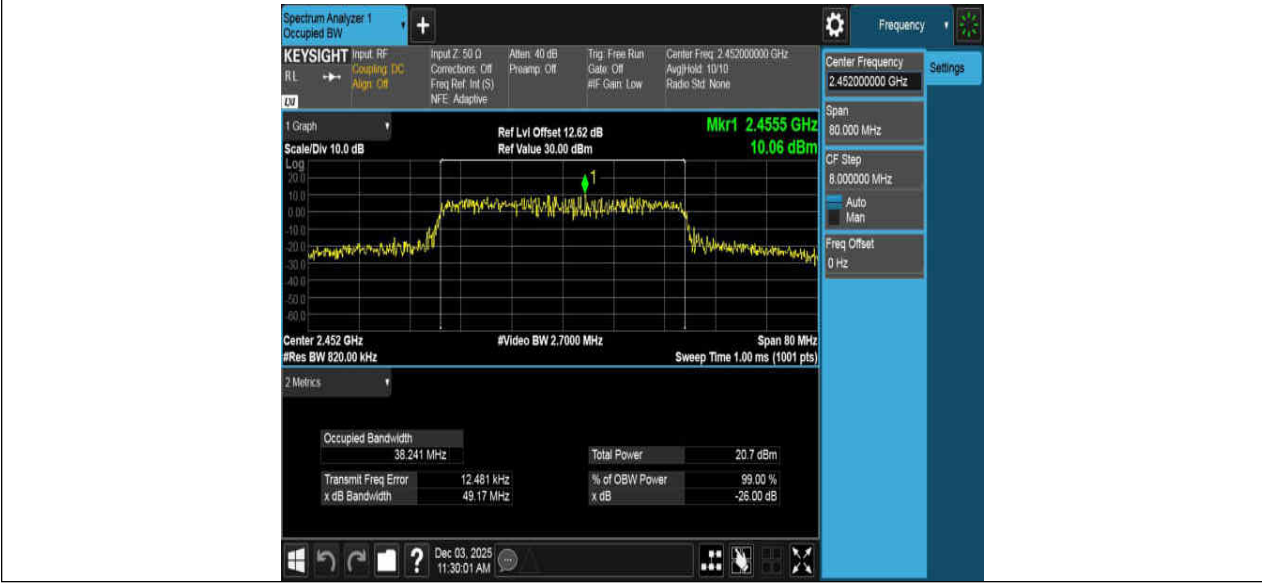
11N40SISO Ant1 2437







11AX40SISO_Ant1_2452



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 ISED RSS-247 Issue 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3) ISED RSS-247 5.4 (d)	Peak Output Power	1 watt or 30 dBm	2400-2483.5

10.3. Test Procedure

The maximum peak 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)	Gain(dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11B	Ant1	2412	20.50	≤30.00	1.40	21.90	≤36.00	PASS
		2437	18.06	≤30.00	1.40	19.46	≤36.00	PASS
		2462	18.61	≤30.00	1.40	20.01	≤36.00	PASS
11G	Ant1	2412	16.34	≤30.00	1.40	17.74	≤36.00	PASS
		2437	22.80	≤30.00	1.40	24.20	≤36.00	PASS
		2462	14.88	≤30.00	1.40	16.28	≤36.00	PASS
11N20SISO	Ant1	2412	17.29	≤30.00	1.40	18.69	≤36.00	PASS
		2437	22.77	≤30.00	1.40	24.17	≤36.00	PASS
		2462	21.05	≤30.00	1.40	22.45	≤36.00	PASS
11N40SISO	Ant1	2422	22.47	≤30.00	1.40	23.87	≤36.00	PASS
		2437	23.10	≤30.00	1.40	24.50	≤36.00	PASS
		2452	22.95	≤30.00	1.40	24.35	≤36.00	PASS
11AX20SISO	Ant1	2412	23.57	≤30.00	1.40	24.97	≤36.00	PASS
		2437	22.99	≤30.00	1.40	24.39	≤36.00	PASS
		2462	22.96	≤30.00	1.40	24.36	≤36.00	PASS
11AX40SISO	Ant1	2422	23.29	≤30.00	1.40	24.69	≤36.00	PASS
		2437	22.48	≤30.00	1.40	23.88	≤36.00	PASS
		2452	21.80	≤30.00	1.40	23.20	≤36.00	PASS

Note: The EIRP = Peak Power + Ant. Gain

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 ISED RSS-247 Issue 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e) ISED RSS-247 5.2 (b)	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.

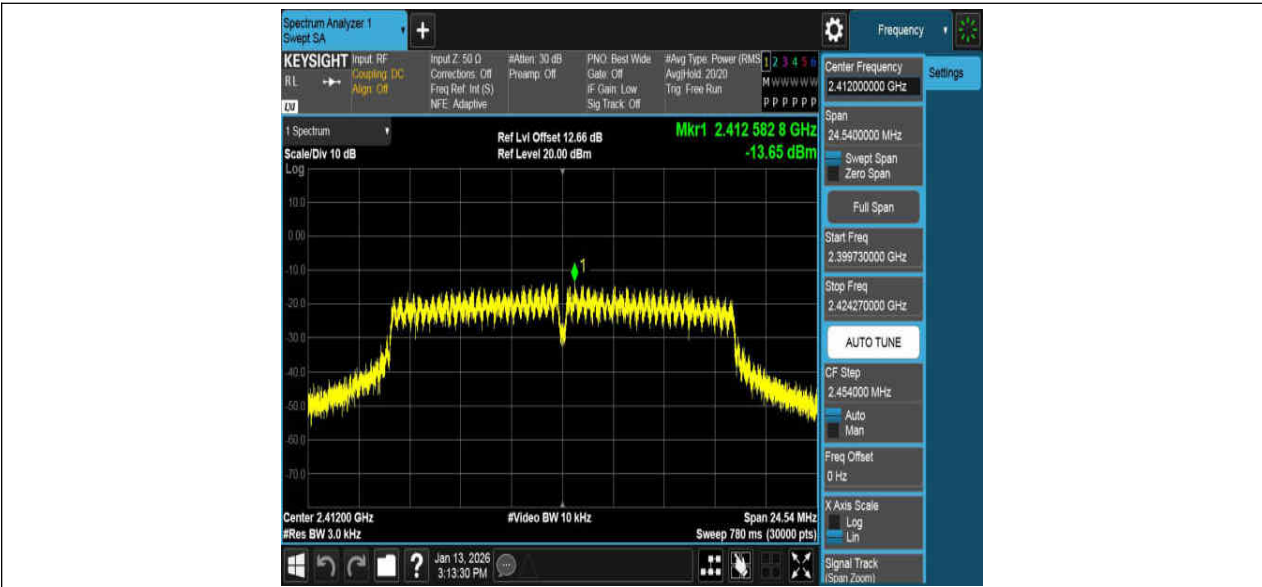
11.4. Results

Test Mode	Ant.	Freq. (MHz)	Result (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
11B	Ant1	2412	-3.90	≤ 8.00	PASS
		2437	-6.39	≤ 8.00	PASS
		2462	-5.99	≤ 8.00	PASS
11G	Ant1	2412	-13.65	≤ 8.00	PASS
		2437	-8.14	≤ 8.00	PASS
		2462	-14.97	≤ 8.00	PASS
11N20SISO	Ant1	2412	-12.40	≤ 8.00	PASS
		2437	-8.02	≤ 8.00	PASS
		2462	-6.54	≤ 8.00	PASS
11N40SISO	Ant1	2422	-10.83	≤ 8.00	PASS
		2437	-9.94	≤ 8.00	PASS
		2452	-11.34	≤ 8.00	PASS
11AX20SISO	Ant1	2412	-7.22	≤ 8.00	PASS
		2437	-8.22	≤ 8.00	PASS
		2462	-8.33	≤ 8.00	PASS
11AX40SISO	Ant1	2422	-10.40	≤ 8.00	PASS
		2437	-11.17	≤ 8.00	PASS
		2452	-11.32	≤ 8.00	PASS

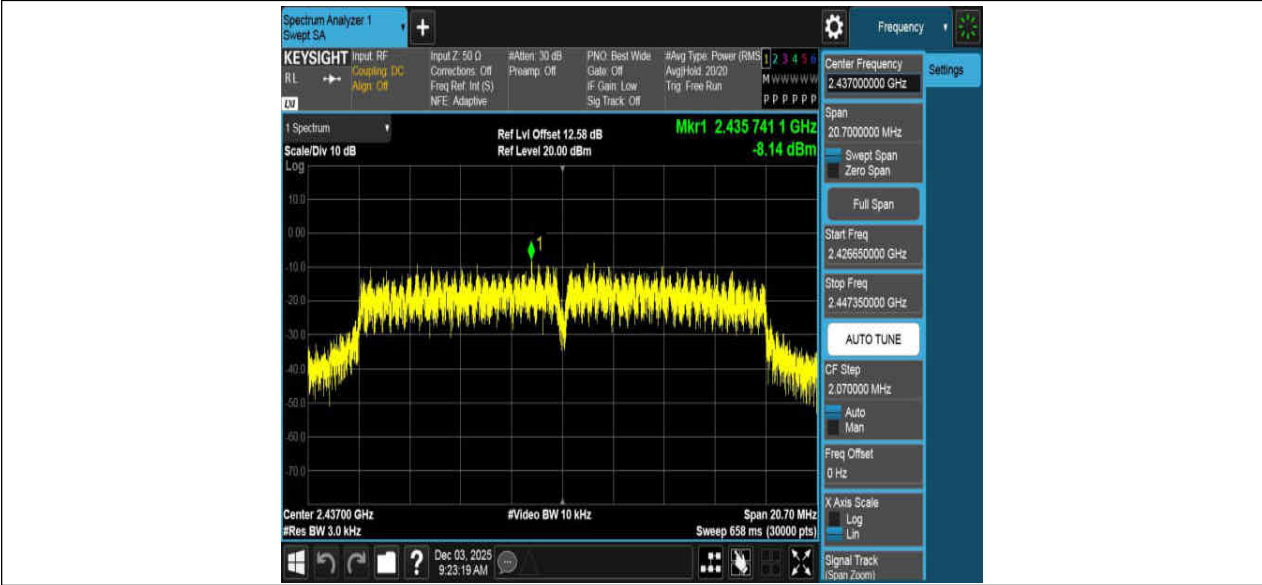
Note: Offset=cable loss + Test system insertion loss

11.5. Original test data

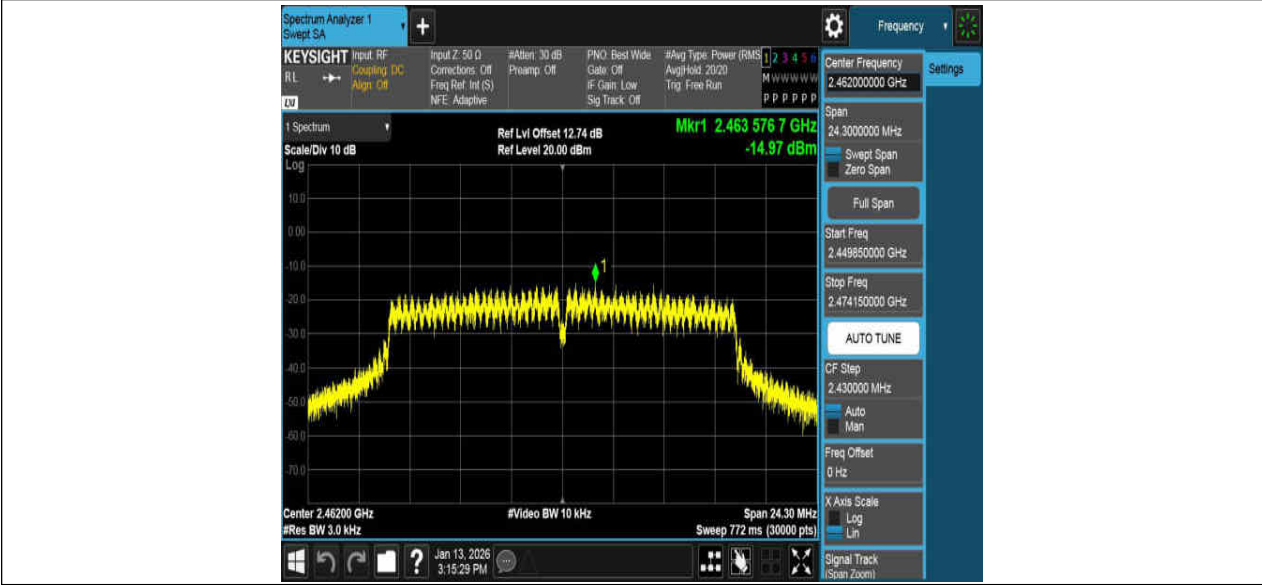




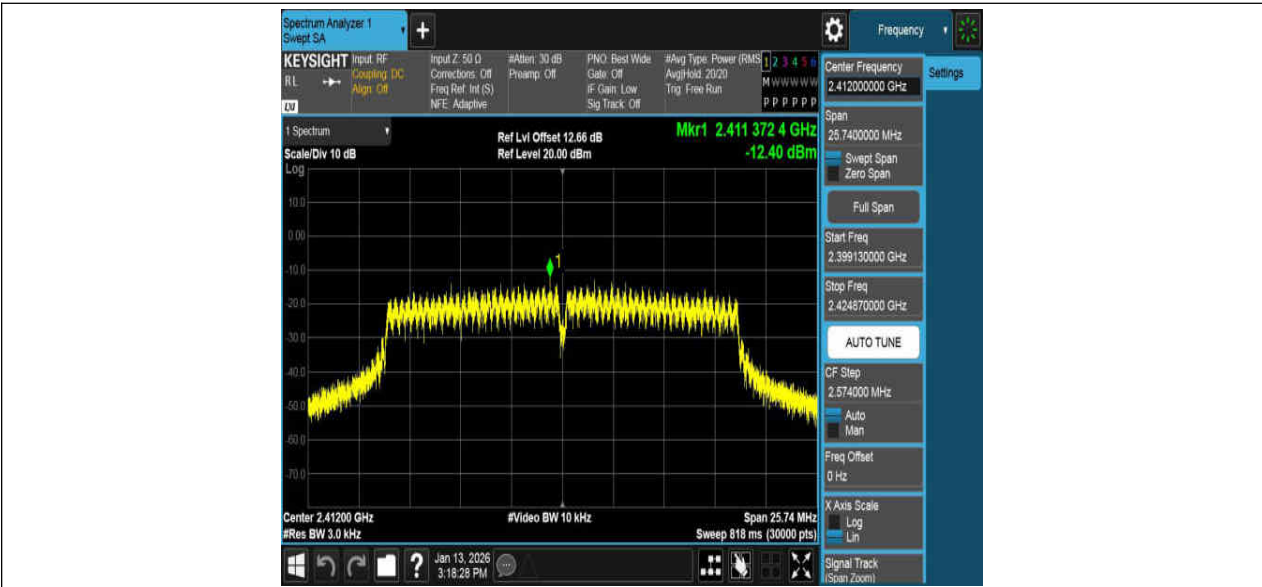
11G_Ant1_2437



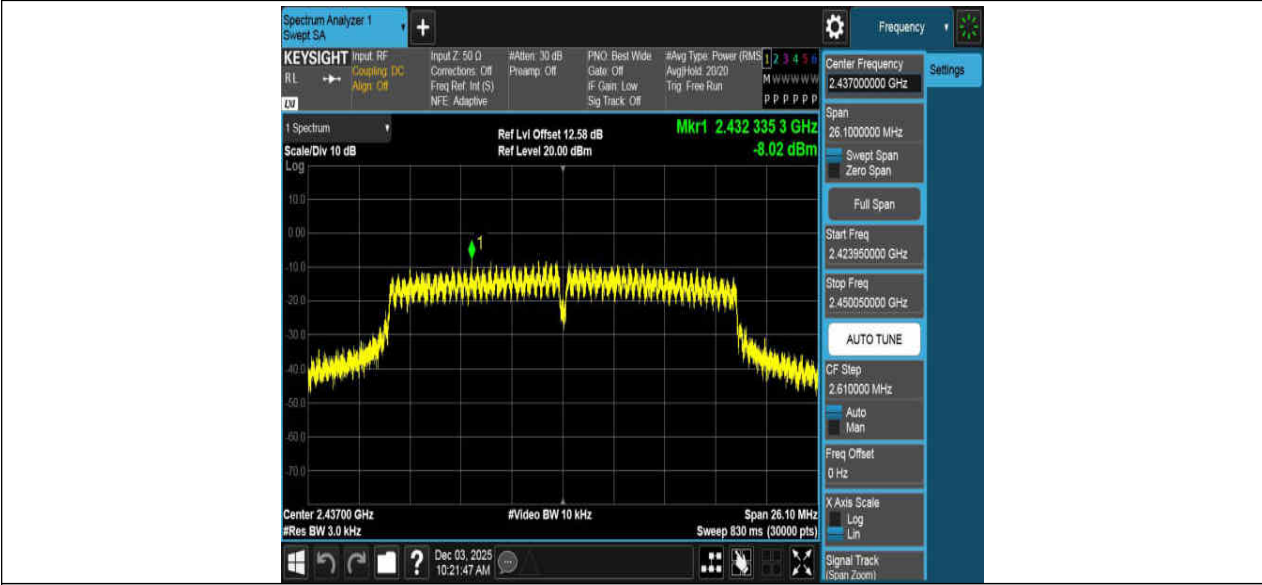
11G_Ant1_2462



11N20SISO_Ant1_2412



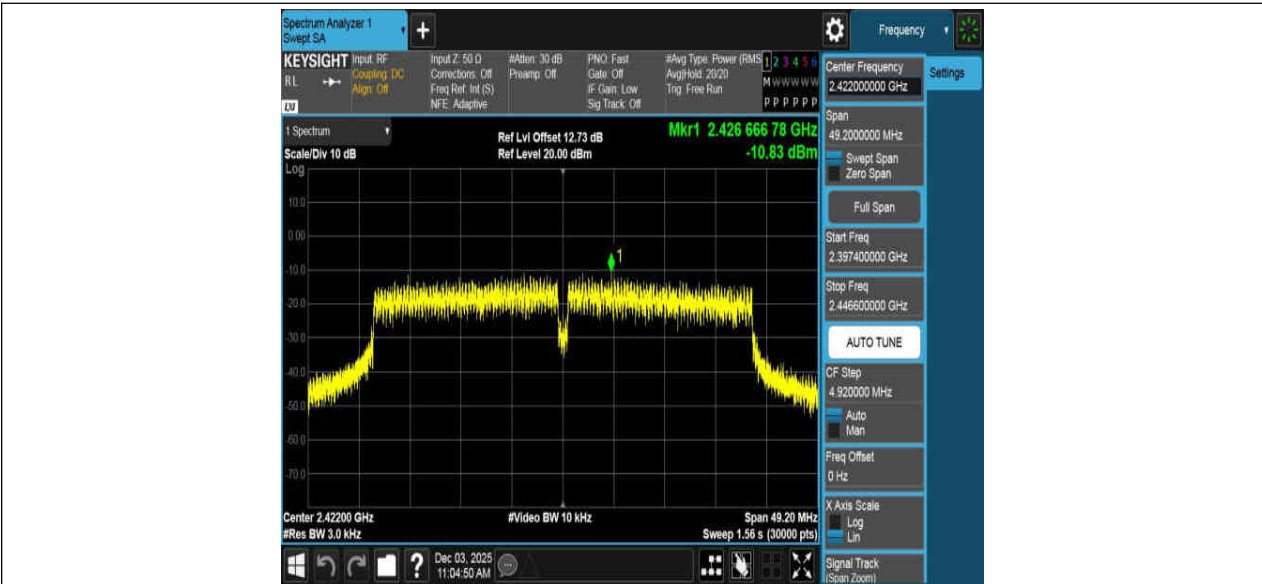
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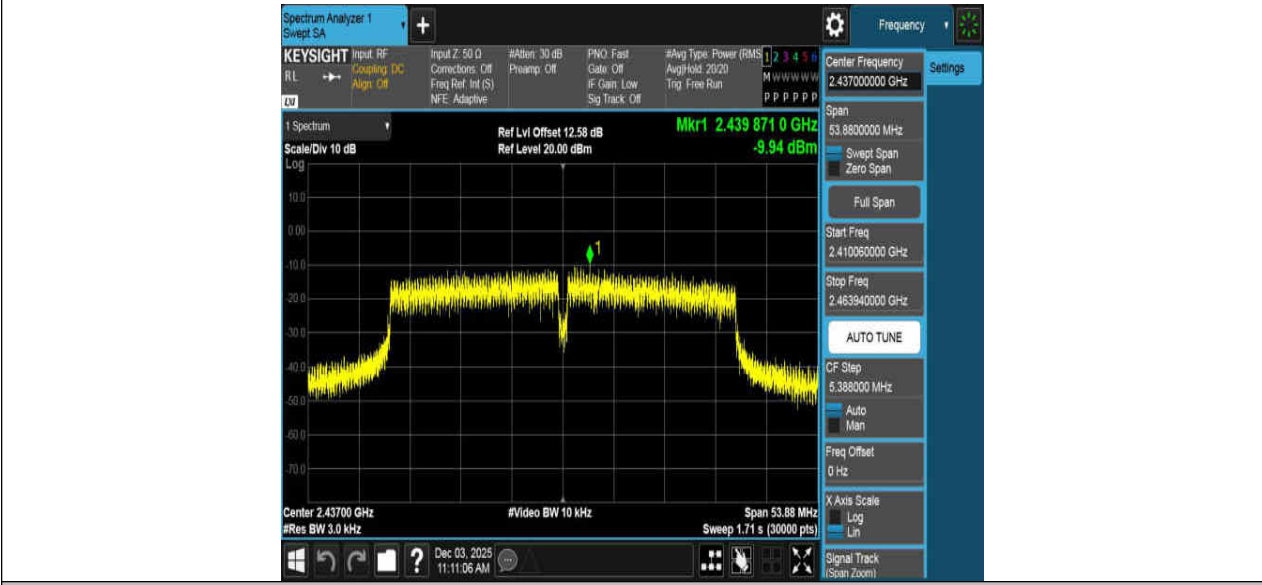
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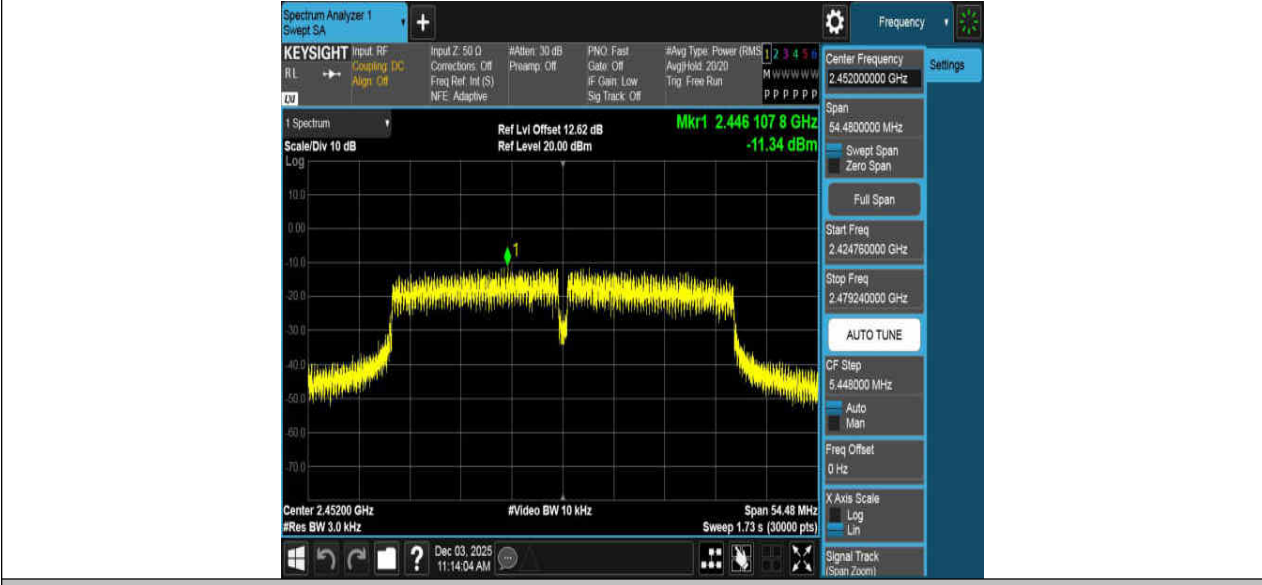
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

