

Sichuan AI-Link Technology Co., Ltd.

RF TEST REPORT

Report Type:

FCC Part 15.247 & ISSED RSS-247 RF report

Model:

WF-M920T-USX1

REPORT NUMBER:

260400041SHA-003

ISSUE DATE:

May 21, 2026

DOCUMENT CONTROL NUMBER:

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Applicant: Sichuan AI-Link Technology Co., Ltd.
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Manufacturer: Sichuan AI-Link Technology Co., Ltd.
Anzhou, Industrial park, Mianyang, Sichuan, China

Manufacturer Site: Sichuan AI-Link Technology Co., Ltd.
Anzhou, Industrial park, Mianyang, Sichuan, China

Product Name: WIFI & Bluetooth Module

Type/Model: WF-M920T-USX1

FCC ID: 2AOKI-WFM920TUSX1

IC: 23460-WFM920TUSX1

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

47CFR Part 15 (2024): Radio Frequency Devices (Subpart C)

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

RSS-247 Issue 4 (July 2025): Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

RSS-Gen Issue 5 (February 2021) Amendment 2: General Requirements for Compliance of Radio Apparatus

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TEST REPORT

Content

REVISION HISTORY	4
MEASUREMENT RESULT SUMMARY	5
1 GENERAL INFORMATION	6
1.1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)	6
1.2 TECHNICAL SPECIFICATION	6
1.3 ANTENNA INFORMATION	7
1.4 DESCRIPTION OF TEST FACILITY	8
2 TEST SPECIFICATIONS	9
2.1 STANDARDS OR SPECIFICATION	9
2.2 MODE OF OPERATION DURING THE TEST	9
2.3 TEST SOFTWARE LIST	10
2.4 TEST PERIPHERALS LIST	10
2.5 TEST ENVIRONMENT CONDITION:	10
2.6 INSTRUMENT LIST	11
2.7 MEASUREMENT UNCERTAINTY	12
3 MAXIMUM CONDUCTED OUTPUT POWER AND E.I.R.P.	13
3.1 LIMIT	13
3.2 MEASUREMENT PROCEDURE	13
3.3 TEST CONFIGURATION	14
3.4 TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	14
<i>Test Graphs Average</i>	16
4 RADIATED EMISSIONS IN RESTRICTED FREQUENCY BANDS	28
4.1 LIMIT	28
4.2 MEASUREMENT PROCEDURE	28
4.3 TEST CONFIGURATION	30
4.4 TEST RESULTS OF RADIATED EMISSIONS	32

Revision History

Report No.	Version	Description	Issued Date
260400041SHA-003	Rev. 01	Initial issue of report	May 21, 2026

Measurement result summary

TEST ITEM	FCC REFERENCE	IC REFERENCE	RESULT
Minimum 6dB Bandwidth	15.247(a)(2)	RSS-247 Issue 4 Clause 6.3.1	Verified
Maximum conducted output power and e.i.r.p.	15.247(b)(3)	RSS-247 Issue 4 Clause 6.3.2	Pass
Power spectrum density	15.247(e)	RSS-247 Issue 4 Clause 6.3.1	Pass
Emission outside the frequency band	15.247(d)	RSS-247 Issue 4 Clause 6.6	Pass
Radiated Emissions in restricted frequency bands	15.247(d), 15.205&15.209	RSS-Gen Issue 5 Clause 8.9&8.10	Pass
Power line conducted emission	15.207(a)	RSS-Gen Issue 5 Clause 8.8	Verified
Occupied bandwidth	-	RSS-Gen Issue 5 Clause 6.7	Verified
Antenna requirement	15.203	-	Verified

Notes:

1: NA =Not Applicable

2. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

3: Additions, Deviations and Exclusions from Standards: None.

4. Verified= This report is based on the previous report that changed the Antenna. For specific changes, please refer to the difference declaration. After the C2PC evaluation, all technical data is referred to original report (240100922SHA-003).

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	WIFI &Bluetooth Module
Type/Model:	WF-M920T-USX1
Description of EUT:	The EUT is a WIFI &Bluetooth Module which supports WIFI and Bluetooth function. it has only one model.
Rating:	DC 3.0-3.6V
Category of EUT:	Class B
EUT type:	☒ Table top ☐ Floor standing
Product Marketing Name:	WF-M920T-USX1
HVIN:	WF-M920T-USX1
Software Version:	MtkUsb 3.0.0.13
Hardware Version:	JUI7.820
Sample received date:	April 1, 2026
Date of test:	April 1, 2026 ~ May 12, 2026

1.2 Technical Specification

Frequency Band:	2400MHz ~ 2483.5MHz
Support Standards:	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20), IEEE 802.11n(HT40), IEEE 802.11ax(HE20), IEEE 802.11ax(HE40)
Type of Modulation:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11n(HT20): OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11n(HT40): OFDM (64-QAM, 16-QAM, QPSK, BPSK) IEEE 802.11ax(HE20): OFDMA (64-QAM, 16-QAM, QPSK, BPSK, 1024QAM) IEEE 802.11ax(HE40): OFDMA (64-QAM, 16-QAM, QPSK, BPSK, 1024QAM)
Operating Frequency:	2412MHz to 2462MHz for IEEE 802.11b/g/n(HT20) /ax(HE20) 2422MHz to 2452MHz for IEEE 802.11n(HT40) /ax(HE40)
Channel Number:	11 Channels for 802.11b, 802.11g, 802.11n(HT20), 802.11ax(HE20) 7 Channels for 802.11n(HT40), 802.11ax(HE40)
Channel Separation:	5 MHz

TEST REPORT

1.3 Antenna information

Antenna information:					
No.	Brand	Antenna Type	Model	Gain	Note
1	XGIMI	Dipole Antenna	409-00258-001	3.04dBi	External type
2	XGIMI	Dipole Antenna	409-00259-001	2.93dBi	External type
3	XGIMI	Dipole Antenna	409-00264-001	2.58dBi	External type
4	XGIMI	Dipole Antenna	409-00262-001	2.24dBi	External type

Mode	Tx/Rx Function	Beamforming function	CDD function	Directional gain (dBi)
802.11b	1Tx/1Rx	NO	NO	NO
802.11g	1Tx/1Rx	NO	NO	NO
802.11n(HT20)	2Tx/2Rx	NO	NO	NO
802.11n(HT40)	2Tx/2Rx	NO	NO	NO
802.11ax(HE20)	2Tx/2Rx	NO	NO	NO
802.11ax(HE40)	2Tx/2Rx	NO	NO	NO

Note: For 802.11a mode, it only supports 1TX.

For 802.11n/ac/ax modes, it can support 2TX, all the two transmit signals are completely correlated with each other, so the directional gain = $10 \log ((10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ANT})$

TEST REPORT

1.4 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 TEST SPECIFICATIONS

2.1 Standards or specification

47CFR Part 15 (2024)

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024

RSS-247 Issue 4 (July 2025)

RSS-Gen Issue 5 (February 2021)

KDB 558074 (v05r02)

2.2 Mode of operation during the test

While testing transmitting mode of EUT, the internal modulation and continuously transmission was applied.

Software name	Manufacturer	Version	Supplied by
MT7961 QA	--	0.0.2.39	Client

The lowest, middle and highest channel were tested as representatives.

Frequency Band (MHz)	Mode	Lowest (MHz)	Middle (MHz)	Highest (MHz)
2400-2483.5	802.11b	2412	2437	2462
	802.11g	2412	2437	2462
	802.11n(HT20)	2412	2437	2462
	802.11n(HT40)	2422	2437	2452
	802.11ax(HE20)	2412	2437	2462
	802.11ax(HE40)	2422	2437	2452

Data rate and Power setting:

The pre-scan for the conducted power with all rates in each modulation and bands was used, and the worst case was found and used in all test cases. After this pre-scan, we choose the following table of the data rate as the worst case.

Frequency Band (MHz)	Mode	Worst case data rate
2400-2483.5	802.11b	1Mbps
	802.11g	6Mbps
	802.11n(HT20)	MCS0
	802.11n(HT40)	MCS0
	802.11ax(HE20)	MCS0
	802.11ax(HE40)	MCS0

TEST REPORT

2.3 Test software list

Test Items	Software	Manufacturer	Version
Conducted emission	ESxS-K1	R&S	V2.1.0
Radiated emission	ES-K1	R&S	V1.71

2.4 Test peripherals list

Item No.	Name	Band and Model	Description
1	Laptop computer	DELL 5480	-
2	DC REGULATED POWER SUPPLY	QJE/QJ3003H	0-30V 0-3A

2.5 Test environment condition:

Test items	Temperature	Humidity
Maximum conducted output power and e.i.r.p.	18°C	51%RH
Radiated Emissions in restricted frequency bands	19°C	52%RH

TEST REPORT

2.6 Instrument list

Conducted Emission					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☐	Test Receiver	R&S	ESR7	EC 6194	2027-02-09
☐	A.M.N.	R&S	ESH2-Z5	EC 3119	2026-07-22
☐	A.M.N.	R&S	ENV4200	EC 3558	2026-06-04
☐	Attenuator	Hua Xiang	Ts5-10db-6g	EC 6194-1	2027-01-13
☐	Shielded room	Zhongyu	-	EC 2838	2027-01-08
Radiated Emission					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	Test Receiver	R&S	ESIB 26	EC 3045	2026-08-05
☒	Bilog Antenna	TESEQ	CBL 6112B	EC 6411	2026-09-27
☐	Pre-amplifier	R&S	AFS42-00101800-25-S-42	EC 5262	2026-11-06
☒	Pre-amplifier	Tonscend	tap01018050	EC 6432-1	2026-12-09
☒	Horn antenna	Tonscend	bha9120d	EC 6432-2	2027-04-10
☐	Horn antenna	ETS	3116c	EC 5955	2026-08-24
☒	Semi-anechoic chamber	Albatross project	-	EC 3048	2026-07-11
RF test					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	PXA Signal Analyzer	Keysight	N9030A	EC 5338	2026-05-25
☐	PXA Signal Analyzer	Keysight	N9030B	EC 6078	2026-10-19
☐	Vector Signal Generator	Agilent	N5182B	EC 5175	2027-03-10
☐	MXG Analog Signal Generator	Agilent	N5181A	EC 5338-2	2027-03-11
☐	Test Receiver	R&S	ESCI 7	EC 4501	2027-04-24
☐	Universal Radio Communication Tester	R&S	CMW500	EC5944	2027-03-11
☐	Signal generator	Agilent	N5182A	EC 6172	2026-08-05
☐	Signal generator	Agilent	N5181A	EC 6171	2026-08-05
☐	Climate chamber	GWS	MT3065	EC 6021	2027-02-07
Additional instrument					
Used	Equipment	Manufacturer	Type	Internal no.	Due date
☒	Therom-Hygrograph	Testo	175h1	EC 6640	2026-08-03
☒	Pressure meter	YM3	Shanghai Mengde	EC 3320	2026-08-04

TEST REPORT

2.7 Measurement uncertainty

The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test item	Measurement uncertainty
Maximum peak output power	$\pm 0.74\text{dB}$
Minimum 6dB bandwidth	
Power spectrum density	
Emission outside the frequency band	
Occupied bandwidth	
Radiated Emissions in restricted frequency bands below 1GHz	$\pm 4.90\text{dB}$
Radiated Emissions in restricted frequency bands above 1GHz	$\pm 5.02\text{dB}$
Emission outside the frequency band	$\pm 2.89\text{dB}$
Power line conducted emission	$\pm 3.19\text{dB}$

3 Maximum conducted output power and e.i.r.p.

Test result: Pass

3.1 Limit

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 W. (The e.i.r.p. shall not exceed 4 W)

If the transmitting antenna of directional gain greater than 6dBi is used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. If there have a beam forming type, the limit should be the minimum of 30dBm and 30+ (6 –antenna gain-beam forming gain).

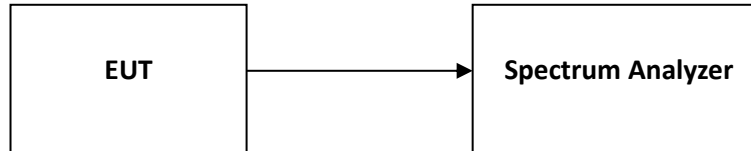
3.2 Measurement Procedure

The EUT was tested according to Subclause 11.9.2.2 of ANSI C63.10.

- a) Measure the duty cycle, x , of the transmitter output signal as described in Section 6.0.
- b) Set span to at least $1.5 \times \text{OBW}$.
- c) Set RBW = 1 % to 5 % of the OBW, not to exceed 1 MHz.
- d) Set VBW $\geq 3 \times \text{RBW}$.
- e) Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. (This gives bin-to-bin spacing $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
- f) Sweep time = auto.
- g) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- h) Do not use sweep triggering. Allow the sweep to “free run”.
- i) Trace average at least 100 traces in power averaging (i.e., RMS) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the on and off periods of the transmitter.
- j) Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- k) Add $10 \log (1/x)$, 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 $10 \log (1/0.25) = 6 \text{ dB}$ if the duty cycle is 25 %.

TEST REPORT

3.3 Test Configuration



3.4 Test Results of Maximum conducted output power

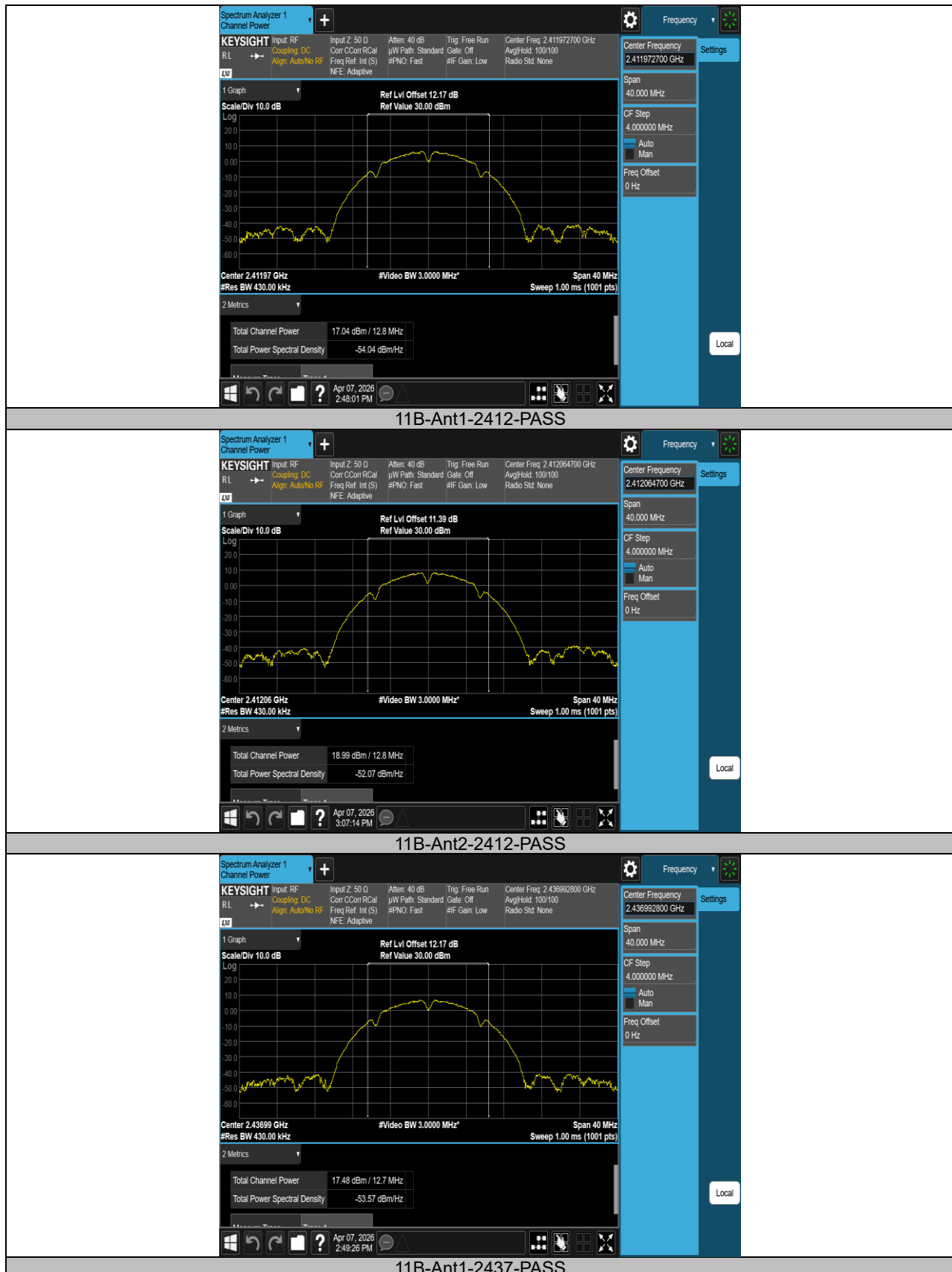
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	17.04	0.30	17.34	≤30.00	20.38	≤36.00	PASS
11B	Ant2	2412	18.99	0.31	19.30	≤30.00	22.23	≤36.00	PASS
11B	Ant1	2437	17.48	0.31	17.79	≤30.00	20.83	≤36.00	PASS
11B	Ant2	2437	19.29	0.31	19.60	≤30.00	22.53	≤36.00	PASS
11B	Ant1	2462	17.36	0.30	17.66	≤30.00	20.70	≤36.00	PASS
11B	Ant2	2462	19.03	0.30	19.33	≤30.00	22.26	≤36.00	PASS
11G	Ant1	2412	13.16	1.60	14.76	≤30.00	17.80	≤36.00	PASS
11G	Ant2	2412	13.66	1.60	15.26	≤30.00	18.19	≤36.00	PASS
11G	Ant1	2437	14.77	1.62	16.39	≤30.00	19.43	≤36.00	PASS
11G	Ant2	2437	16.46	1.59	18.05	≤30.00	20.98	≤36.00	PASS
11G	Ant1	2462	14.94	1.60	16.54	≤30.00	19.58	≤36.00	PASS
11G	Ant2	2462	16.50	1.60	18.10	≤30.00	21.03	≤36.00	PASS
11N20MIMO	Ant1	2412	10.90	1.73	12.63	≤30.00	15.67	≤36.00	PASS
11N20MIMO	Ant2	2412	12.29	1.69	13.98	≤30.00	16.91	≤36.00	PASS
11N20MIMO	total	2412	---	---	16.37	≤30.00	19.41	≤36.00	PASS
11N20MIMO	Ant1	2437	10.75	1.69	12.44	≤30.00	15.48	≤36.00	PASS
11N20MIMO	Ant2	2437	11.32	1.69	13.01	≤30.00	15.94	≤36.00	PASS
11N20MIMO	total	2437	---	---	15.74	≤30.00	18.78	≤36.00	PASS
11N20MIMO	Ant1	2462	10.67	1.69	12.36	≤30.00	15.40	≤36.00	PASS
11N20MIMO	Ant2	2462	11.08	1.66	12.74	≤30.00	15.67	≤36.00	PASS
11N20MIMO	total	2462	---	---	15.56	≤30.00	18.60	≤36.00	PASS
11N40MIMO	Ant1	2422	10.12	2.84	12.96	≤30.00	16.00	≤36.00	PASS
11N40MIMO	Ant2	2422	10.10	2.98	13.08	≤30.00	16.01	≤36.00	PASS
11N40MIMO	total	2422	---	---	16.03	≤30.00	19.07	≤36.00	PASS
11N40MIMO	Ant1	2437	10.11	2.91	13.02	≤30.00	16.06	≤36.00	PASS
11N40MIMO	Ant2	2437	10.73	2.87	13.60	≤30.00	16.53	≤36.00	PASS
11N40MIMO	total	2437	---	---	16.33	≤30.00	19.37	≤36.00	PASS
11N40MIMO	Ant1	2452	10.23	2.87	13.10	≤30.00	16.14	≤36.00	PASS
11N40MIMO	Ant2	2452	10.72	2.94	13.66	≤30.00	16.59	≤36.00	PASS
11N40MIMO	total	2452	---	---	16.40	≤30.00	19.44	≤36.00	PASS
11AX20MIMO	Ant1	2412	9.63	3.27	12.90	≤30.00	15.94	≤36.00	PASS
11AX20MIMO	Ant2	2412	10.51	3.20	13.71	≤30.00	16.64	≤36.00	PASS
11AX20MIMO	total	2412	---	---	16.33	≤30.00	19.37	≤36.00	PASS
11AX20MIMO	Ant1	2437	10.37	3.44	13.81	≤30.00	16.85	≤36.00	PASS
11AX20MIMO	Ant2	2437	10.83	3.23	14.06	≤30.00	16.99	≤36.00	PASS
11AX20MIMO	total	2437	---	---	16.95	≤30.00	19.99	≤36.00	PASS
11AX20MIMO	Ant1	2462	10.60	3.23	13.83	≤30.00	16.87	≤36.00	PASS
11AX20MIMO	Ant2	2462	10.50	3.23	13.73	≤30.00	16.66	≤36.00	PASS
11AX20MIMO	total	2462	---	---	16.79	≤30.00	19.83	≤36.00	PASS
11AX40MIMO	Ant1	2422	7.52	6.13	13.65	≤30.00	16.69	≤36.00	PASS
11AX40MIMO	Ant2	2422	7.54	6.02	13.56	≤30.00	16.49	≤36.00	PASS
11AX40MIMO	total	2422	---	---	16.62	≤30.00	19.66	≤36.00	PASS

TEST REPORT

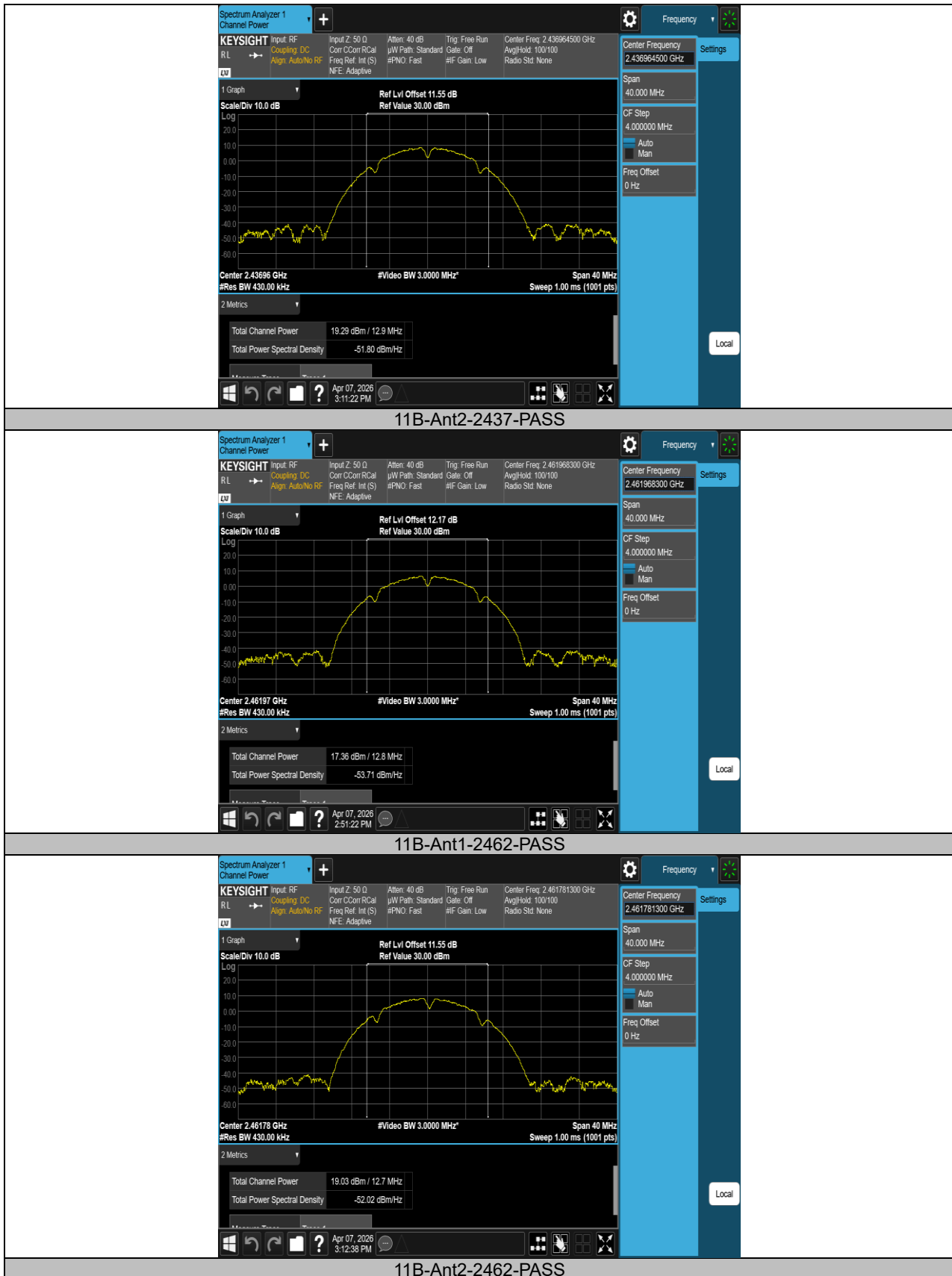
11AX40MIMO	Ant1	2437	7.03	6.13	13.16	≤30.00	16.20	≤36.00	PASS
11AX40MIMO	Ant2	2437	8.16	6.13	14.29	≤30.00	17.22	≤36.00	PASS
11AX40MIMO	total	2437	---	---	16.77	≤30.00	19.81	≤36.00	PASS
11AX40MIMO	Ant1	2452	7.39	6.13	13.52	≤30.00	16.56	≤36.00	PASS
11AX40MIMO	Ant2	2452	7.99	6.13	14.12	≤30.00	17.05	≤36.00	PASS
11AX40MIMO	total	2452	---	---	16.84	≤30.00	19.88	≤36.00	PASS

TEST REPORT

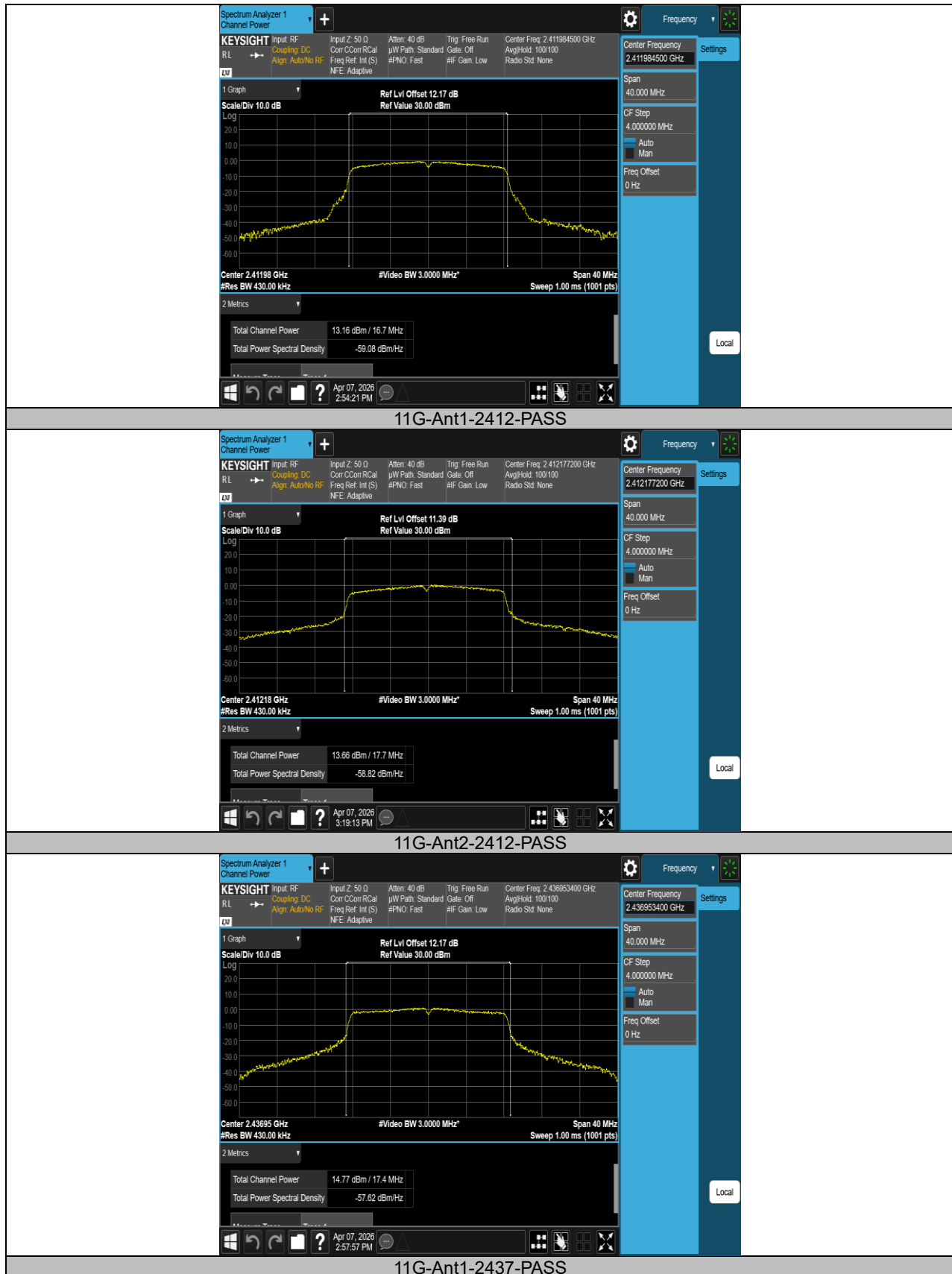
Test Graphs Average



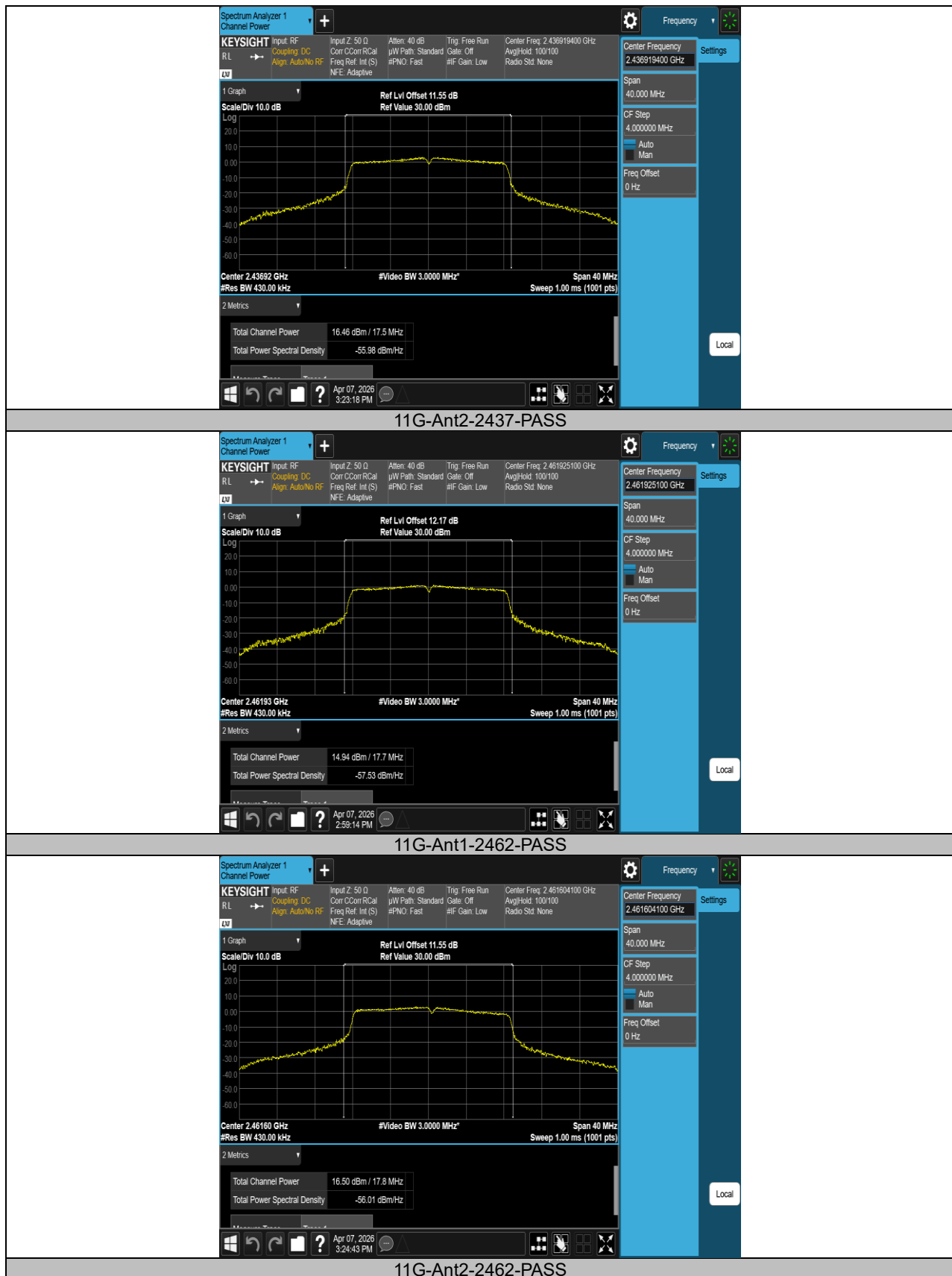
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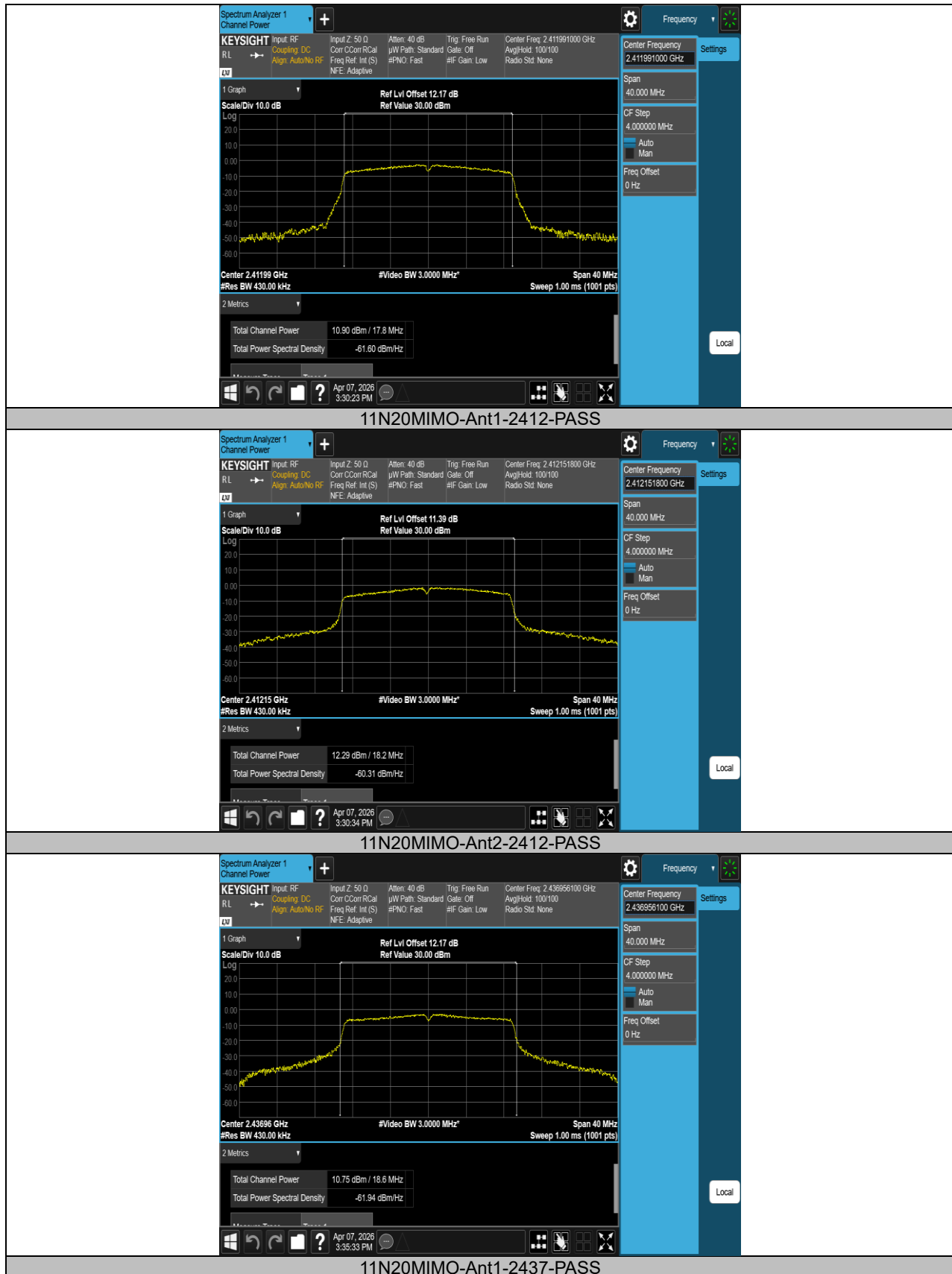
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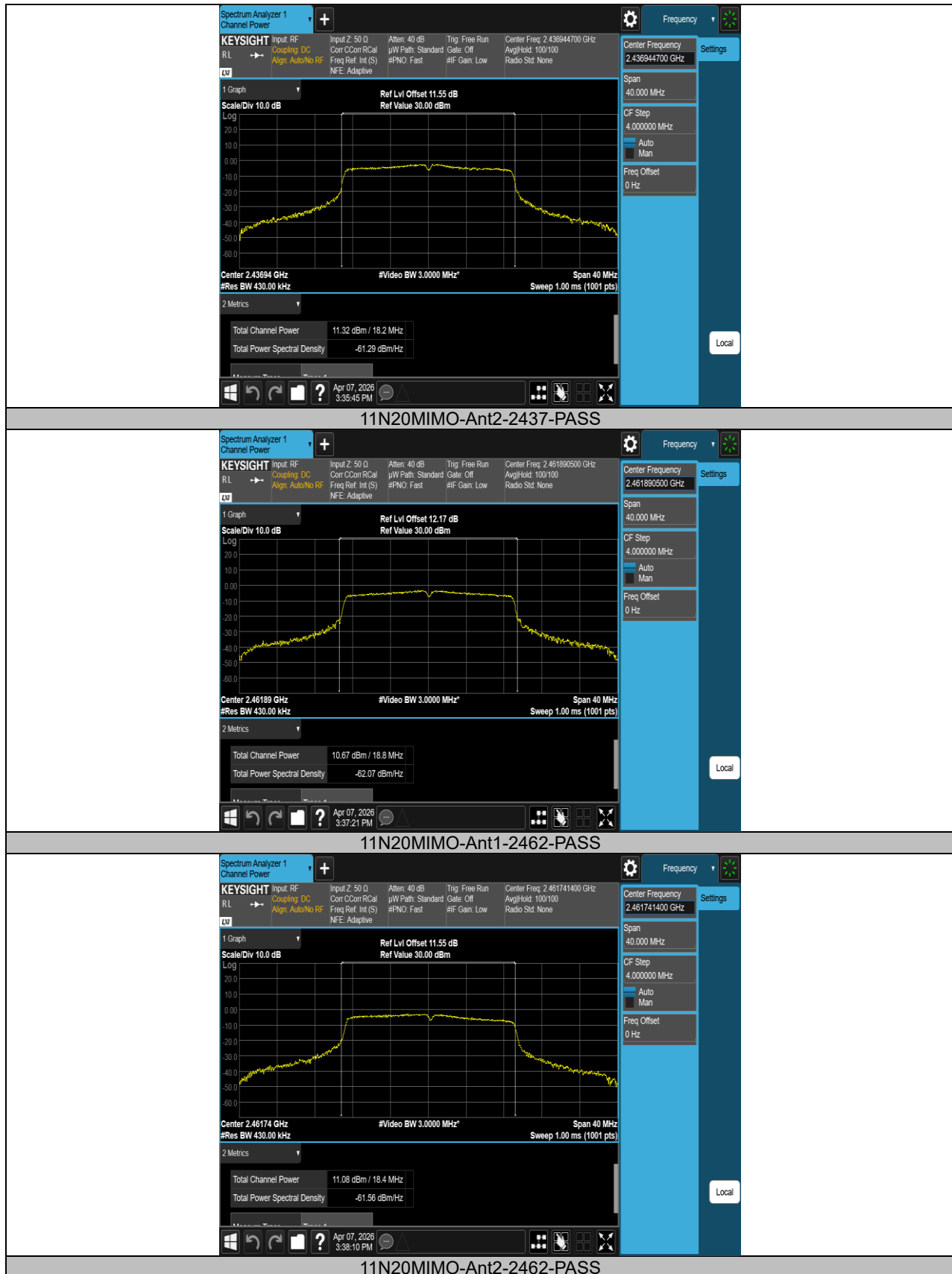
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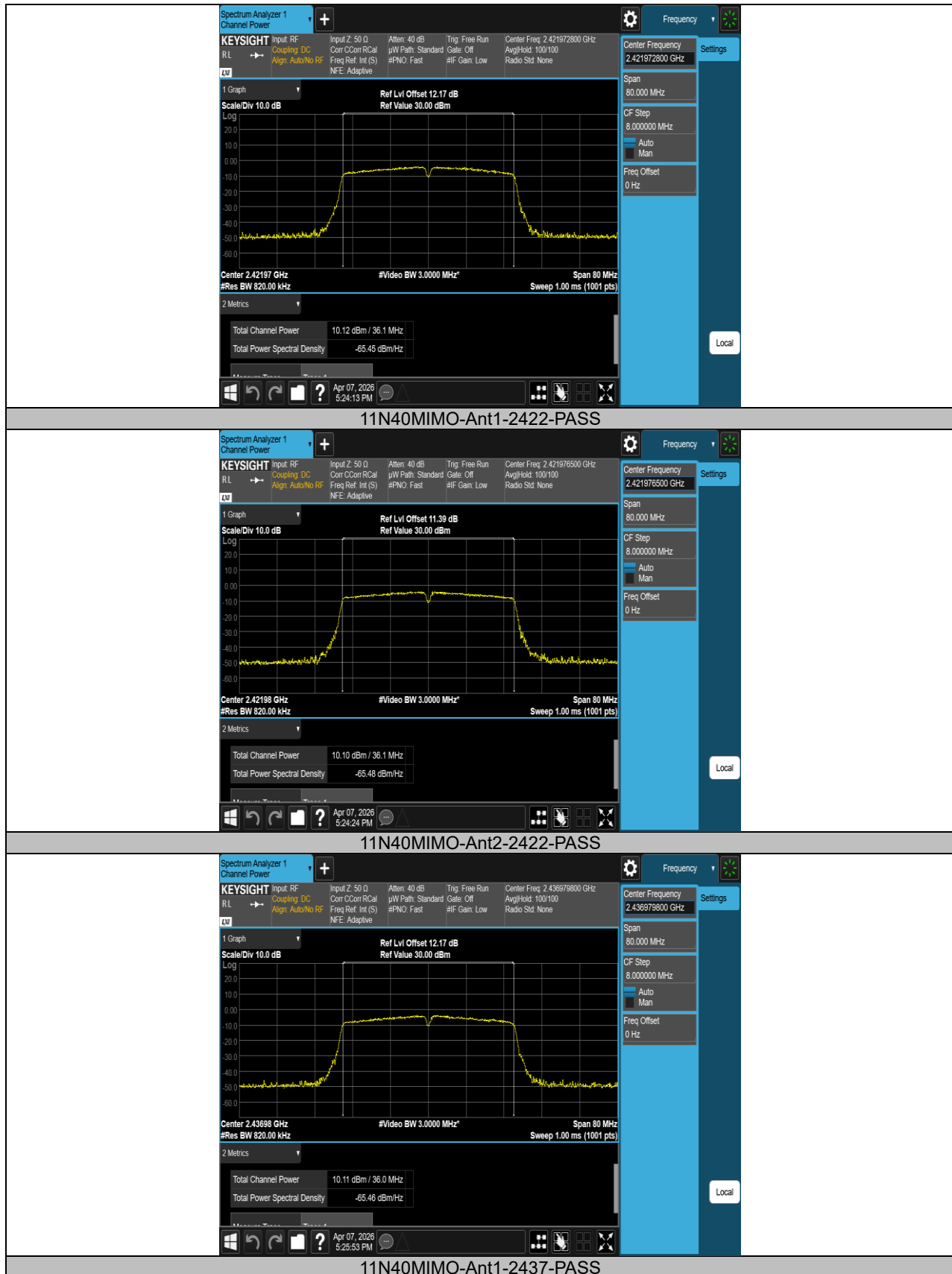
TEST REPORT



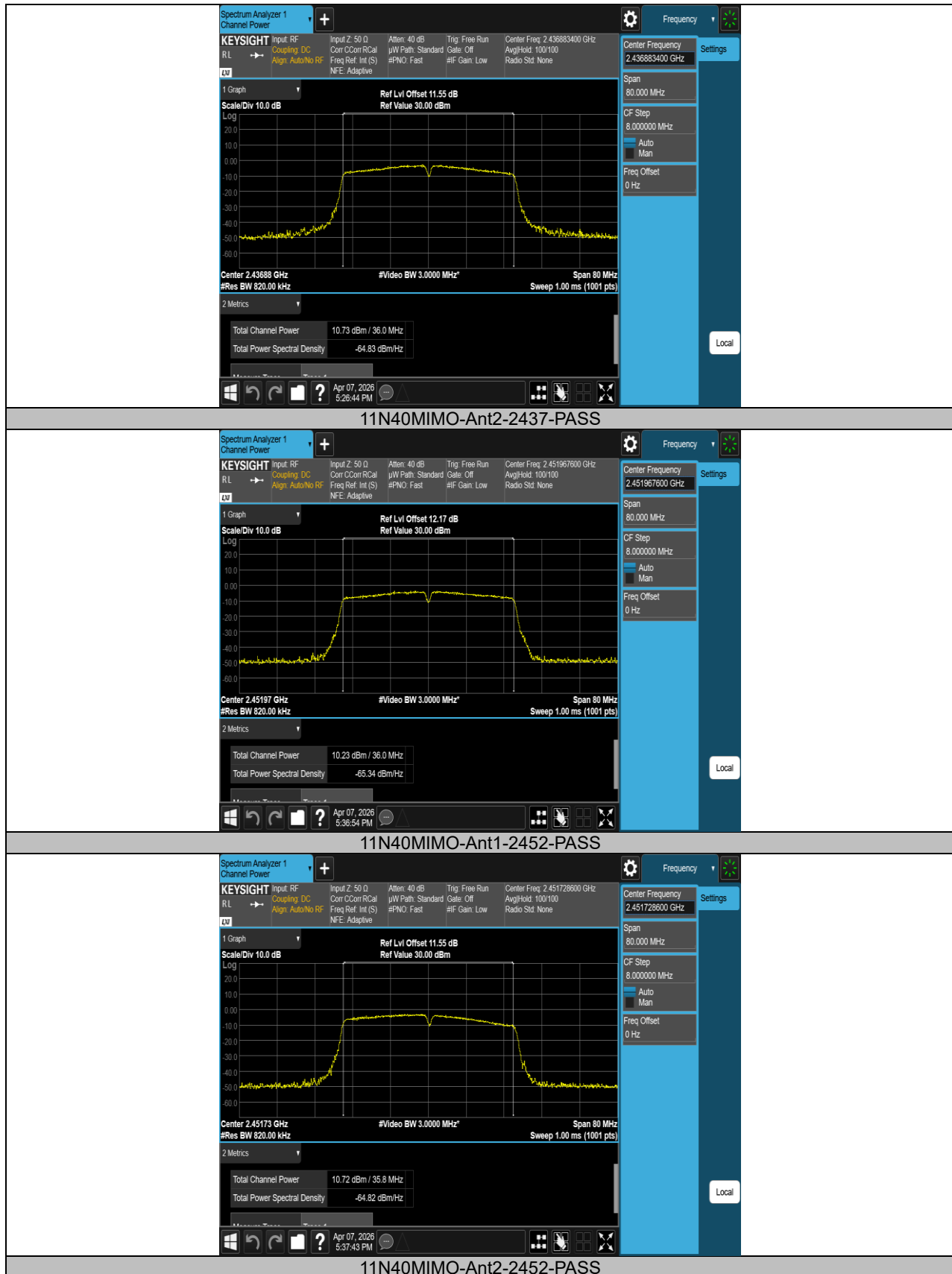
TEST REPORT

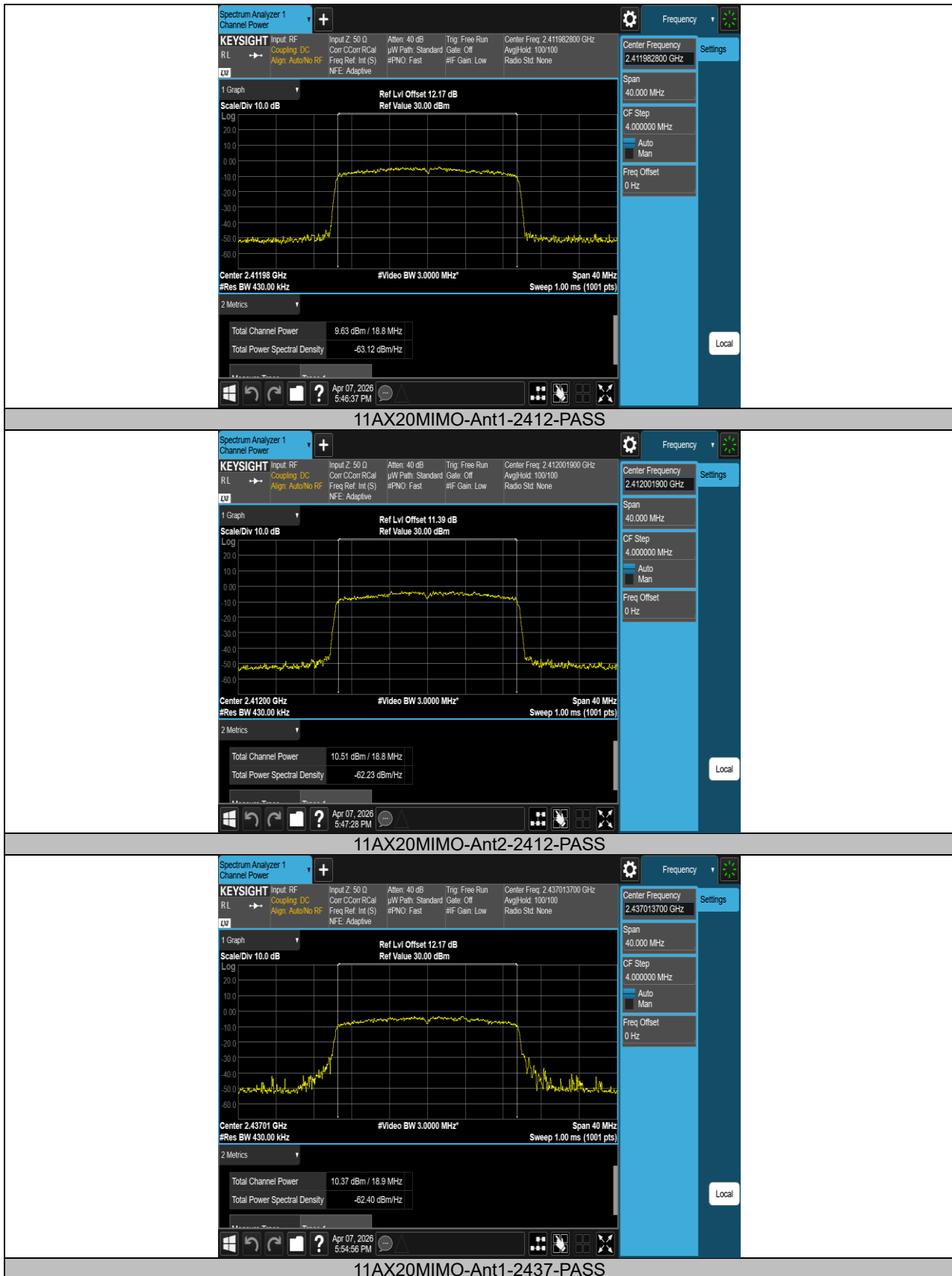


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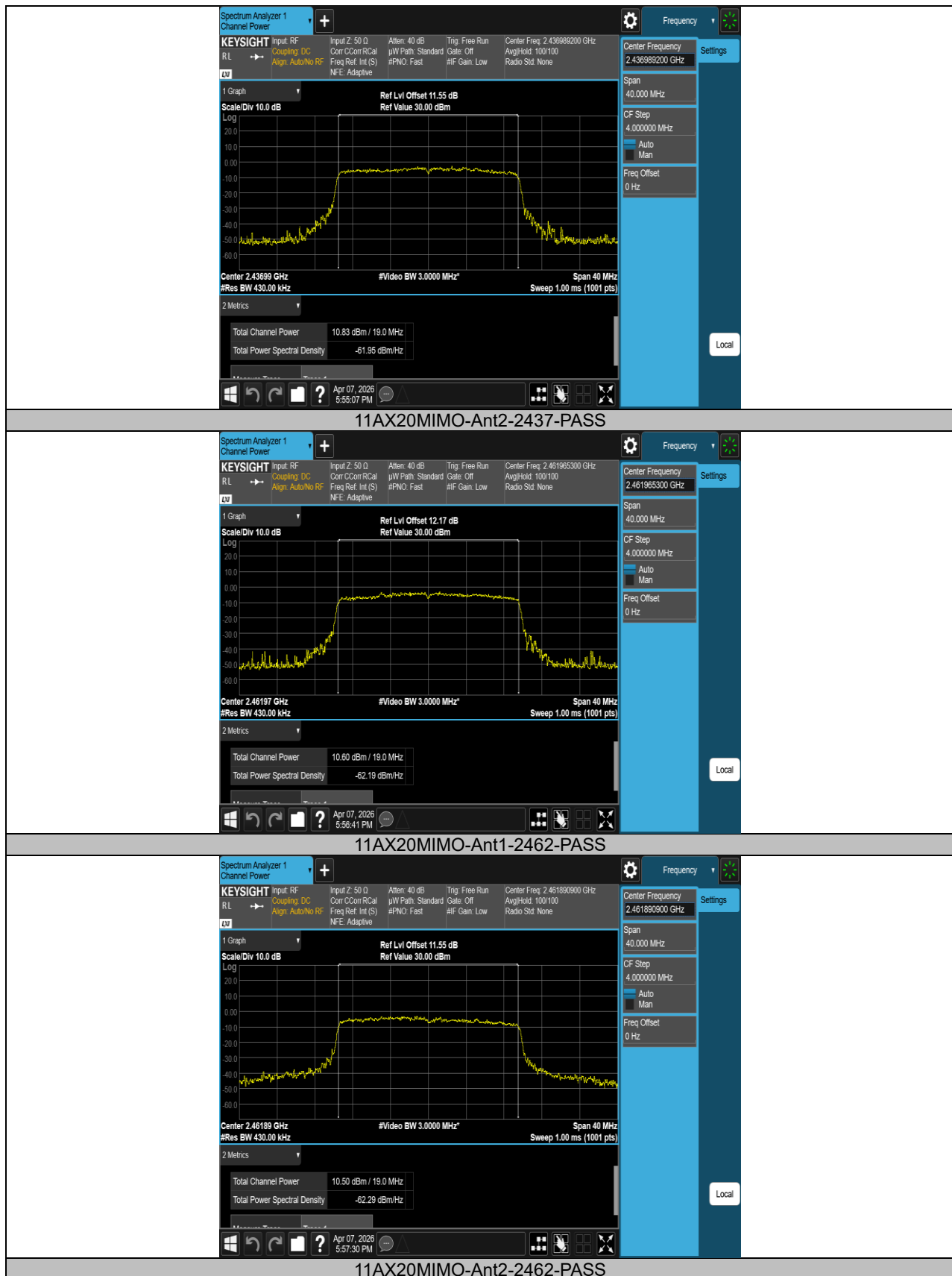


TEST REPORT





TEST REPORT





TEST REPORT



4 Radiated Emissions in restricted frequency bands

Test result: Pass

4.1 Limit

The radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified showed as below:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

4.2 Measurement Procedure

The EUT was tested according to Subclause 11.12 of ANSI C63.10.

For Radiated emission below 30MHz:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Both X and Y axes of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

TEST REPORT**For Radiated emission above 30MHz:**

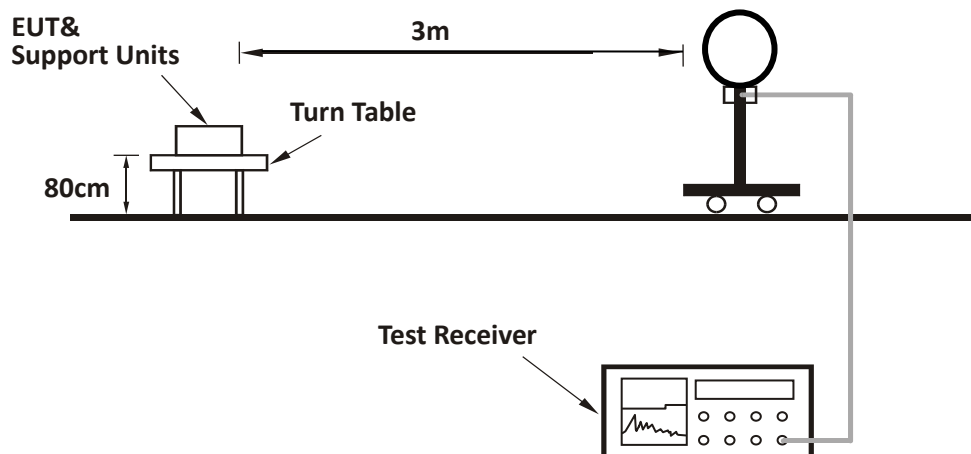
- a) The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meters chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f) The test-receiver system was set to peak and average detector function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

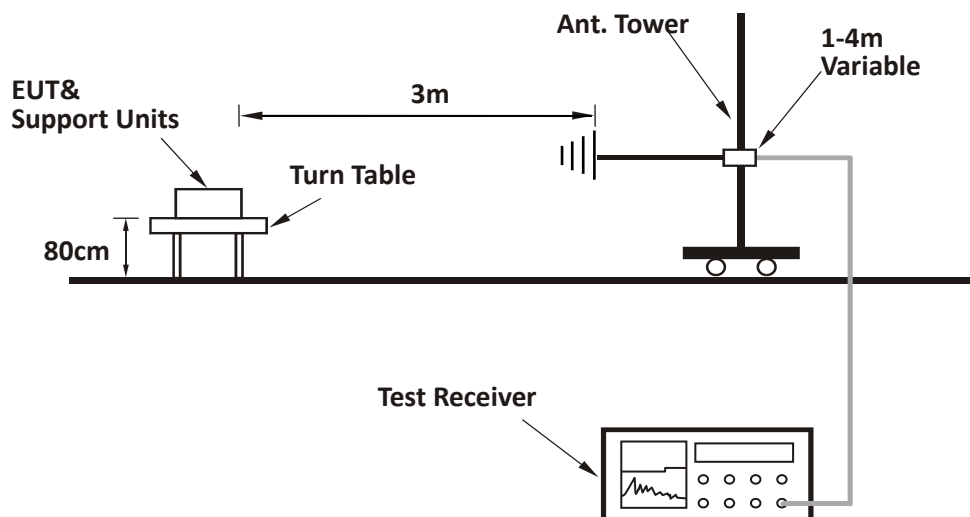
- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 3 x RBW (Duty cycle $\geq$ 98%) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions were reported.

4.3 Test Configuration

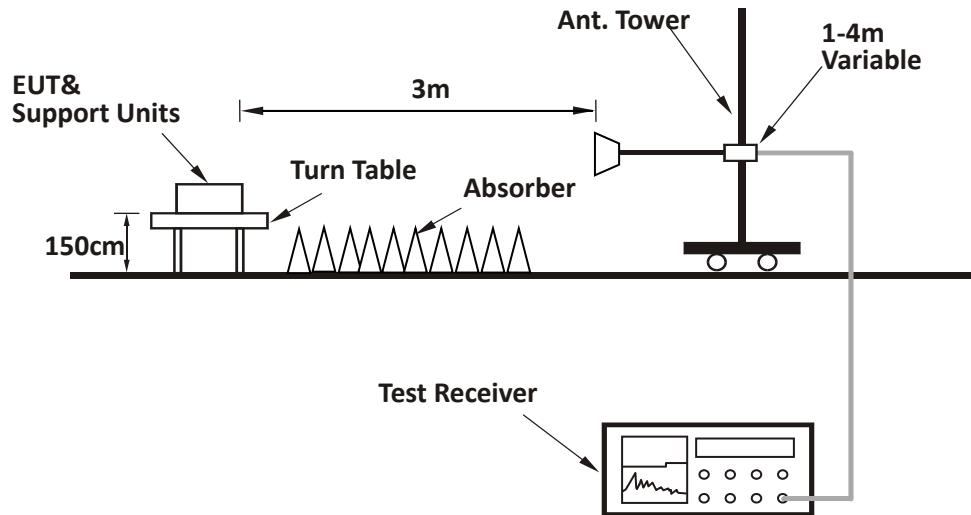
For Radiated emission below 30MHz:



For Radiated emission 30MHz to 1GHz:



For Radiated emission above 1GHz:

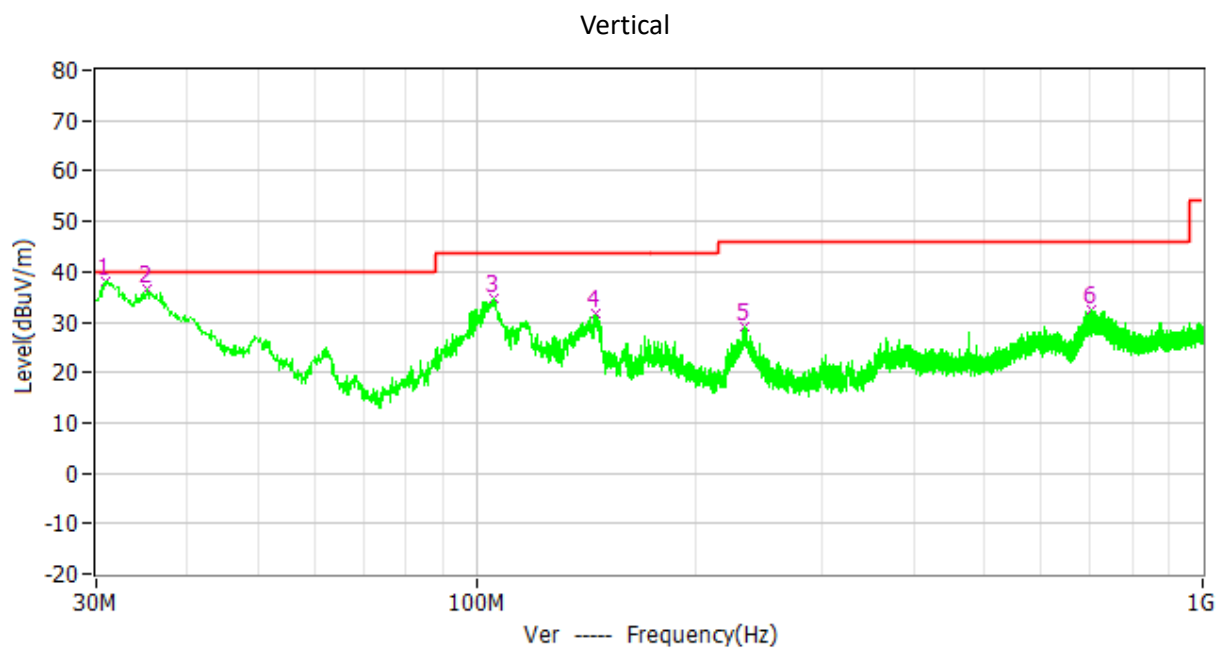
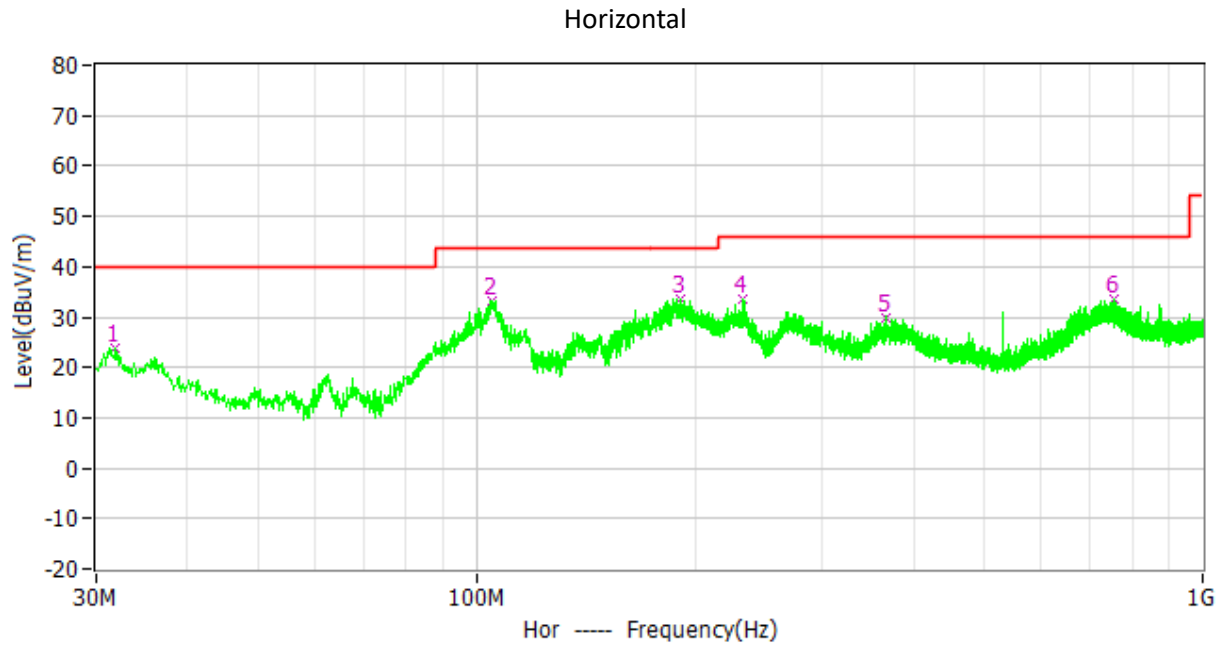


TEST REPORT

4.4 Test Results of Radiated Emissions

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

The worst waveform from 30MHz to 1000MHz is listed as below:



TEST REPORT

Test data below 1GHz

Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Detector
H	31.940	23.9	12.2	40.0	16.1	QP
H	105.466	33.3	10.3	43.5	10.2	QP
H	191.505	33.7	12.4	43.5	9.8	QP
H	232.633	33.6	13.3	46.0	12.4	QP
H	367.366	30.0	17.4	46.0	16.0	QP
H	757.403	33.4	26.4	46.0	12.6	QP
V	30.970	37.9	12.2	40.0	2.1	QP
V	35.335	36.4	12.6	40.0	3.6	QP
V	106.048	34.8	10.4	43.5	8.7	QP
V	146.109	31.5	14.4	43.5	12.0	QP
V	233.894	29.0	13.4	46.0	17.0	QP
V	704.926	32.4	25.3	46.0	13.6	QP

Test result above 1GHz:

The emission was conducted from 1GHz to 25GHz

802.11b

CH	Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Type
L	H	2412.00	112.74	32.88	Fundamental	/	PK
	V	2412.00	97.23	32.88	Fundamental	/	PK
	H	2390.00	58.50	32.74	74.00	15.50	PK
	H	2390.00	47.50	32.74	54.00	6.50	AV
	V	2390.00	58.00	32.74	74.00	16.00	PK
	V	2390.00	46.80	32.74	54.00	7.20	AV
	H	4824.00	58.63	-11.84	74.00	15.37	PK
	H	4824.00	44.76	-11.84	54.00	9.24	AV
	H	7236.00	60.04	-7.75	74.00	13.96	PK

TEST REPORT

	H	7236.00	45.59	-7.75	54.00	8.41	AV
	V	4824.00	54.21	-19.79	74.00	19.79	PK
	V	4824.00	41.11	-19.79	74.00	32.89	AV
	V	7236.00	46.80	-27.20	74.00	27.20	PK
M	H	4874.00	56.28	-11.78	74.00	17.72	PK
	H	4874.00	40.53	-11.78	54.00	13.47	AV
	H	7311.00	58.63	-7.75	74.00	15.37	PK
	H	7311.00	40.85	-7.75	54.00	13.15	AV
	V	4874.00	53.68	-11.78	74.00	20.32	PK
	V	4874.00	35.77	-11.78	54.00	18.23	AV
	V	7311.00	45.90	-7.75	74.00	28.10	PK
	V	7311.00	32.70	-7.75	54.00	21.30	AV
H	H	2462.00	109.25	33.06	Fundamental	/	PK
	V	2462.00	101.49	33.06	Fundamental	/	PK
	H	2483.50	59.00	33.11	74.00	15.00	PK
	H	2483.50	47.50	33.11	54.00	6.50	AV
	V	2483.50	58.10	33.11	74.00	15.90	PK
	V	2483.50	46.80	33.11	54.00	7.20	AV
	H	4924.00	60.27	-11.81	74.00	13.73	PK
	H	4924.00	46.12	-11.81	54.00	7.88	AV
	H	7386.00	59.93	-7.70	74.00	14.07	PK
	H	7386.00	37.13	-7.70	54.00	16.87	AV
	V	4924.00	51.69	-11.81	74.00	22.31	PK
	V	7386.00	49.30	-7.70	74.00	24.70	PK

802.11g

CH	Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Type
L	H	2412.00	114.43	32.87	Fundamental	/	PK

TEST REPORT

	V	2412.00	100.76	32.87	Fundamental	/	PK
	H	2390.00	66.00	32.74	74.00	8.00	PK
	H	2390.00	53.40	32.74	54.00	0.60	AV
	V	2390.00	59.10	32.74	74.00	14.90	PK
	V	2390.00	47.80	32.74	54.00	6.20	AV
	H	4824.00	58.33	-11.84	74.00	15.67	PK
	H	4824.00	44.56	-11.84	54.00	9.44	AV
	H	7236.00	59.85	-7.75	74.00	14.15	PK
	H	7236.00	45.42	-7.75	54.00	8.58	AV
	V	4824.00	54.05	-19.79	74.00	19.95	PK
	V	4824.00	41.10	-19.79	74.00	32.90	AV
	V	7236.00	46.69	-27.20	74.00	27.31	PK
M	H	4874.00	56.19	-11.78	74.00	17.81	PK
	H	4874.00	40.42	-11.78	54.00	13.58	AV
	H	7311.00	58.52	-7.75	74.00	15.48	PK
	H	7311.00	40.79	-7.75	54.00	13.21	AV
	V	4874.00	53.58	-11.78	74.00	20.42	PK
	V	4874.00	35.69	-11.78	54.00	18.31	AV
	V	7311.00	45.81	-7.75	74.00	28.19	PK
	V	7311.00	32.67	-7.75	54.00	21.33	AV
H	H	2462.00	110.99	33.06	Fundamental	/	PK
	V	2462.00	102.57	33.06	Fundamental	/	PK
	H	2483.50	63.00	33.11	74.00	11.00	PK
	H	2483.50	51.10	33.11	54.00	2.90	AV
	V	2483.50	58.90	33.11	74.00	15.10	PK
	V	2483.50	47.80	33.11	54.00	6.20	AV
	H	4924.00	60.15	-11.81	74.00	13.85	PK
	H	4924.00	46.10	-11.81	54.00	7.90	AV
	H	7386.00	59.88	-7.70	74.00	14.12	PK

TEST REPORT

	H	7386.00	37.25	-7.70	54.00	16.75	AV
	V	4924.00	51.58	-11.81	74.00	22.42	PK
	V	7386.00	49.27	-7.70	74.00	24.73	PK

802.11n(HT20)

CH	Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Type
L	H	2412.00	112.91	32.86	Fundamental	/	PK
	V	2412.00	100.06	32.86	Fundamental	/	PK
	H	2390.00	65.70	32.74	74.00	8.30	PK
	H	2390.00	53.10	32.74	54.00	0.90	AV
	V	2390.00	58.20	32.74	74.00	15.80	PK
	V	2390.00	47.50	32.74	54.00	6.50	AV
	H	4824.00	54.32	-11.84	74.00	19.68	PK
	H	4824.00	40.22	-11.84	54.00	13.78	AV
	H	7236.00	55.27	-7.75	74.00	18.73	PK
	H	7236.00	38.76	-7.75	54.00	15.24	AV
	V	4824.00	51.38	-11.84	74.00	22.62	PK
	V	7236.00	45.62	-7.75	74.00	28.38	PK
M	H	4874.00	55.81	-11.78	74.00	18.19	PK
	H	4874.00	38.08	-11.78	54.00	15.92	AV
	H	7311.00	55.18	-7.75	74.00	18.82	PK
	H	7311.00	40.49	-7.75	54.00	13.51	AV
	V	4874.00	51.12	-11.78	74.00	22.88	PK
	V	7311.00	49.45	-7.22	74.00	24.55	PK
H	H	2462.00	109.88	33.06	Fundamental	/	PK
	V	2462.00	100.50	33.06	Fundamental	/	PK
	H	2483.50	65.50	33.11	74.00	8.50	PK
	H	2483.50	51.60	33.11	54.00	2.40	AV

TEST REPORT

	V	2483.50	57.90	33.11	74.00	16.10	PK
	V	2483.50	48.40	33.11	54.00	5.60	AV
	H	4924.00	58.01	-11.81	74.00	15.99	PK
	H	4924.00	46.09	-11.81	54.00	7.91	AV
	H	7386.00	64.15	-7.78	74.00	9.85	PK
	H	7386.00	36.79	-7.78	54.00	17.21	AV
	V	4924.00	50.73	-11.81	74.00	23.27	PK
	V	7386.00	47.05	-7.78	74.00	26.95	PK

802.11n (HT40):

CH	Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Type
L	H	2422.00	108.48	32.92	Fundamental	/	PK
	V	2422.00	95.59	32.92	Fundamental	/	PK
	H	2390.00	65.20	32.74	74.00	8.80	PK
	H	2390.00	52.80	32.74	54.00	1.20	AV
	V	2390.00	58.90	32.74	74.00	15.10	PK
	V	2390.00	47.50	32.74	54.00	6.50	AV
	H	4844.00	52.25	-11.84	74.00	21.75	PK
	H	7266.00	49.40	-7.19	74.00	24.60	PK
	V	4844.00	45.20	-11.84	74.00	28.80	PK
	V	7266.00	47.38	-7.19	74.00	26.62	PK
M	H	4874.00	54.24	-11.78	74.00	19.76	PK
	H	4874.00	38.65	-11.78	54.00	15.35	AV
	H	7311.00	50.55	-7.75	74.00	23.45	PK
	V	4874.00	48.82	-11.78	74.00	25.18	PK
	V	7311.00	43.15	-7.75	74.00	30.85	PK
H	H	2452.00	108.14	33.05	Fundamental	/	PK
	V	2452.00	95.57	33.05	Fundamental	/	PK
	H	2483.50	64.60	33.11	74.00	9.40	PK

TEST REPORT

	H	2483.50	53.10	33.11	54.00	0.90	AV
	V	2483.50	59.80	33.11	74.00	14.20	PK
	V	2483.50	48.40	33.11	54.00	5.60	AV
	H	4904.00	54.91	-11.81	74.00	19.09	PK
	H	4904.00	41.30	-11.81	54.00	12.70	AV
	H	7356.00	52.55	-7.78	74.00	21.45	PK
	V	4904.00	48.109	-11.81	74.00	25.89	PK
	V	7356.00	42.65	-7.78	74.00	31.35	PK

802.11ax(HE20)

CH	Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Type
L	H	2412.00	113.01	32.86	Fundamental	/	PK
	V	2412.00	100.25	32.86	Fundamental	/	PK
	H	2390.00	65.90	32.74	74.00	8.10	PK
	H	2390.00	53.50	32.74	54.00	0.50	AV
	V	2390.00	58.80	32.74	74.00	15.20	PK
	V	2390.00	47.70	32.74	54.00	6.30	AV
	H	4824.00	54.36	-11.84	74.00	19.64	PK
	H	4824.00	40.32	-11.84	54.00	13.68	AV
	H	7236.00	55.32	-7.75	74.00	18.68	PK
	H	7236.00	38.81	-7.75	54.00	15.19	AV
	V	4824.00	51.39	-11.84	74.00	22.61	PK
	V	7236.00	45.70	-7.75	74.00	28.30	PK
M	H	4874.00	55.87	-11.78	74.00	18.13	PK
	H	4874.00	38.19	-11.78	54.00	15.81	AV
	H	7311.00	55.24	-7.75	74.00	18.76	PK
	H	7311.00	40.58	-7.75	54.00	13.42	AV
	V	4874.00	51.16	-11.78	74.00	22.84	PK

TEST REPORT

	V	7311.00	49.54	-7.22	74.00	24.46	PK
H	H	2462.00	110.03	33.06	Fundamental	/	PK
	V	2462.00	100.90	33.06	Fundamental	/	PK
	H	2483.50	65.90	33.11	74.00	8.10	PK
	H	2483.50	51.80	33.11	54.00	2.20	AV
	V	2483.50	58.10	33.11	74.00	15.90	PK
	V	2483.50	48.60	33.11	54.00	5.40	AV
	H	4924.00	58.15	-11.81	74.00	15.85	PK
	H	4924.00	46.16	-11.81	54.00	7.84	AV
	H	7386.00	64.11	-7.78	74.00	9.89	PK
	H	7386.00	36.80	-7.78	54.00	17.20	AV
	V	4924.00	50.88	-11.81	74.00	23.12	PK
	V	7386.00	47.17	-7.78	74.00	26.83	PK

802.11ax(HE40):

CH	Antenna	Frequency (MHz)	Corrected Reading (dBuV/m)	Correct Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Type
L	H	2422.00	109.05	32.92	Fundamental	/	PK
	V	2422.00	96.15	32.92	Fundamental	/	PK
	H	2390.00	65.80	32.74	74.00	8.20	PK
	H	2390.00	53.10	32.74	54.00	0.90	AV
	V	2390.00	59.20	32.74	74.00	14.80	PK
	V	2390.00	48.10	32.74	54.00	5.90	AV
	H	4844.00	52.36	-11.84	74.00	21.64	PK
	H	7266.00	49.41	-7.19	74.00	24.59	PK
	V	4844.00	45.31	-11.84	74.00	28.69	PK
	V	7266.00	47.42	-7.19	74.00	26.58	PK
M	H	4874.00	54.37	-11.78	74.00	19.63	PK
	H	4874.00	38.73	-11.78	54.00	15.27	AV
	H	7311.00	50.76	-7.75	74.00	23.24	PK

TEST REPORT

	V	4874.00	48.96	-11.78	74.00	25.04	PK
	V	7311.00	43.20	-7.75	74.00	30.80	PK
H	H	2452.00	108.14	33.05	Fundamental	/	PK
	V	2452.00	95.57	33.05	Fundamental	/	PK
	H	2483.50	64.60	33.11	74.00	9.40	PK
	H	2483.50	53.10	33.11	54.00	0.90	AV
	V	2483.50	59.80	33.11	74.00	14.20	PK
	V	2483.50	48.40	33.11	54.00	5.60	AV
	H	4904.00	54.97	-11.81	74.00	19.03	PK
	H	4904.00	41.32	-11.81	54.00	12.68	AV
	H	7356.00	52.65	-7.78	74.00	21.35	PK
	V	4904.00	48.11	-11.81	74.00	25.89	PK
	V	7356.00	42.70	-7.78	74.00	31.30	PK

Note: Choose the worst power to test as representative.

- Remark: 1. Factor = Antenna Factor + Cable Loss (+ Amplifier, for higher than 1GHz), the value was added to Original Receiver Reading by the software automatically.
2. Level = Reading Level + Factor
3. Margin = Limit - Level
4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.

Example: Assuming Antenna Factor = 30.20dB/m, Cable Loss = 2.00dB,
Gain of Preamplifier = 32.00dB, Original Receiver Reading = 10.00dBuV,
Limit = 40.00dBuV/m.
Then Correct Factor = 30.20 + 2.00 – 32.00 = 0.20dB/m;
Corrected Reading = 10dBuV + 0.20dB/m = 10.20dBuV/m;
Margin = 40.00dBuV/m - 10.20dBuV/m = 29.80dB.

***** END *****