



SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD

102A, 102B, Building 2, Shanghenglang New Industrial Zone, Shanghenglang Community, Dalang Street, Longhua District, Shenzhen, Guangdong, People's Republic of China, 518000

Telephone: +86-755-26648640

Fax: +86-755-26648637

Website: www.cqa-cert.com

Report Template Version: V06

Report Template Revision Date: 2026-01-30

TEST REPORT

Report No.: CQASZ20260300608E-02
Applicant: Shenzhen Interthings Technology Co.,Ltd.
Address of Applicant: 701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District, Shenzhen, China
Equipment Under Test (EUT):
Product: Smart PTZ Camera
Model No.: IPC267,HUVIPC213
Test Model No.: IPC267
Brand Name: N/A
FCC ID: 2AQ7B-IPC267
Standards: 47 CFR Part 15, Subpart C
KDB558074 D01 15.247 Meas Guidance v05r02
ANSI C63.10:2020
Date of Receipt: 2026-03-26
Date of Test: 2026-03-26 to 2026-07-23
Date of Issue: 2026-07-23
Test Result : **PASS***

*In the configuration tested, the EUT complied with the standards specified above

Tested By:

Lewis Zhou

(Lewis Zhou)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260300608E-02	Rev.01	Initial report	2026-07-23

2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15.203	N/A	PASS
AC Power Line Conducted Emission	47 CFR Part 15.207	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
Conducted Peak & Average Output Power	47 CFR Part 15.247	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
6dB Occupied Bandwidth	47 CFR Part 15.247	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
Power Spectral Density	47 CFR Part 15.247	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15.247	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
RF Conducted Spurious Emissions	47 CFR Part 15.247	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
Radiated Spurious Emissions	47 CFR Part 15.209	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15.205/15.209	ANSI C63.10- 2020+Cor. 1- 2023+C63.10a-2024 + Errata to C63.10a- 2024	PASS

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

3 Contents

	Page
1 VERSION	2
2 TEST SUMMARY	3
3 CONTENTS	5
4 GENERAL INFORMATION	7
4.1 CLIENT INFORMATION	7
4.2 GENERAL DESCRIPTION OF EUT	7
4.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD	7
4.4 TEST ENVIRONMENT AND MODE	10
4.5 DESCRIPTION OF SUPPORT UNITS	14
4.6 TEST LOCATION	14
4.7 TEST FACILITY	14
4.8 TEST CONFIGURATION	14
4.9 STATEMENT OF THE MEASUREMENT UNCERTAINTY	15
4.10 DEVIATION FROM STANDARDS	15
4.11 ABNORMALITIES FROM STANDARD CONDITIONS	15
4.12 OTHER INFORMATION REQUESTED BY THE CUSTOMER	15
4.13 EQUIPMENT LIST	16
5 TEST RESULTS AND MEASUREMENT DATA	17
5.1 ANTENNA REQUIREMENT	17
5.2 CONDUCTED EMISSIONS	18
5.3 CONDUCTED PEAK & AVERAGE OUTPUT POWER	22
<i>Test Result</i>	<i>23</i>
<i>Note: Duty cycle correction factor details please see section 4.4.</i>	<i>23</i>
<i>When Duty cycle >98%, D.C.F is not required.</i>	<i>23</i>
<i>Test Graphs</i>	<i>24</i>
5.4 99% OCCUPIED BANDWIDTH	29
<i>Test Result</i>	<i>30</i>
<i>Test Graphs</i>	<i>31</i>
5.5 6DB OCCUPIED BANDWIDTH	36
<i>Test Result</i>	<i>37</i>
<i>Test Graphs</i>	<i>38</i>
5.6 POWER SPECTRAL DENSITY	43
<i>Test Result</i>	<i>44</i>
<i>Test Graphs</i>	<i>45</i>
5.7 BAND-EDGE FOR RF CONDUCTED EMISSIONS	50
<i>Test Result</i>	<i>51</i>
5.7.1 <i>Test Graphs</i>	<i>52</i>
5.8 RF CONDUCTED SPURIOUS EMISSIONS	56
<i>Test Result</i>	<i>57</i>
<i>Test Graphs</i>	<i>59</i>
5.9 RADIATED SPURIOUS EMISSIONS	74
5.9.1 <i>Radiated emission below 1GHz</i>	<i>77</i>
5.9.2 <i>Transmitter emission above 1GHz</i>	<i>79</i>
5.10 RESTRICTED BANDS AROUND FUNDAMENTAL FREQUENCY	87
6 PHOTOGRAPHS - EUT TEST SETUP	93
6.1 RADIATED SPURIOUS EMISSION	93
6.2 CONDUCTED EMISSION	94



7 PHOTOGRAPHS - EUT CONSTRUCTIONAL DETAILS	95
--	----

4 General Information

4.1 Client Information

Applicant:	Shenzhen Interthings Technology Co.,Ltd.
Address of Applicant:	701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District, Shenzhen, China
Manufacturer:	Shenzhen Interthings Technology Co.,Ltd.
Address of Manufacturer:	701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District, Shenzhen, China
Factory:	Shenzhen Interthings Technology Co.,Ltd.
Address of Factory:	701, Building 1, Lechuanghui Building, No. 1211 Guanguang Road, Longhua District, Shenzhen, China

4.2 General Description of EUT

Product Name:	Smart PTZ Camera
Model No.:	IPC267,HUVIPC213
Test Model No.:	IPC267
Trade Mark:	N/A
Software Version:	V1.0
Hardware Version:	V1.0
Power Supply:	Powered by DC 5V for adapter
EUT Supports Radios application:	2.4GHz: Wi-Fi: 802.11b/g/n(HT20): 2412MHz~2462MHz; 802.11n(HT40): 2422MHz~2452MHz
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report. ☒ Simultaneous TX is not supported.

4.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels
Channel Separation:	5MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20) : OFDM (64QAM, 16QAM, QPSK, BPSK)
Transfer Rate:	IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps IEEE for 802.11n(HT20) : 6.5Mbps/13Mbps/19.5Mbps/26Mbps/39Mbps/52Mbps/58.5Mbps/65Mbps IEEE for 802.11n(HT40) : 13.5Mbps/27Mbps/40.5Mbps/54Mbps/81Mbps/108Mbps/121.5Mbps/135Mbps
Product Type:	☒ Mobile ☐ Portable ☐ Fix Location

Test Software of EUT:	SecureCRT
Antenna Type:	PCB antenna
Antenna Gain:	-0.19dBi

Operation Frequency each of channel(802.11b/g/n HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		
Operation Frequency each of channel(802.11n HT40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	2422MHz	6	2437MHz	9	2452MHz		
4	2427MHz	7	2442MHz				
5	2432MHz	8	2447MHz				

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11b/g/n (HT20):

Channel	Frequency
The Lowest channel	2412MHz
The Middle channel	2437MHz
The Highest channel	2462MHz

For 802.11n (HT40):

Channel	Frequency
The Lowest channel	2422MHz
The Middle channel	2437MHz
The Highest channel	2452MHz

Note:

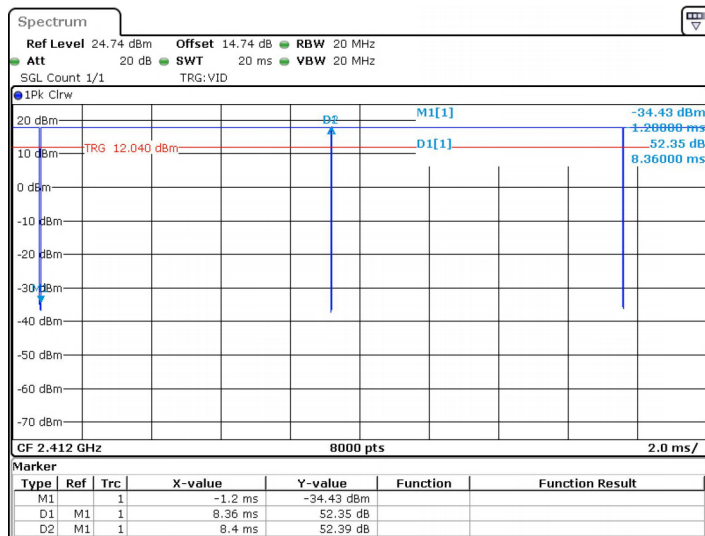
Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

Operated Mode for Worst Duty Cycle:				
Test Mode	On time [Ton] (ms)	Period [Ttotal] ms)	Duty Cycle(%)	Average correction factor(dB)
IEEE802.11b	8.36	8.40	99.52	0.02
IEEE802.11g	1.38	1.43	96.50	0.15
IEEE802.11n (HT20)	1.29	1.34	96.27	0.17
IEEE802.11n (HT40)	0.64	0.68	94.12	0.26

Remark:

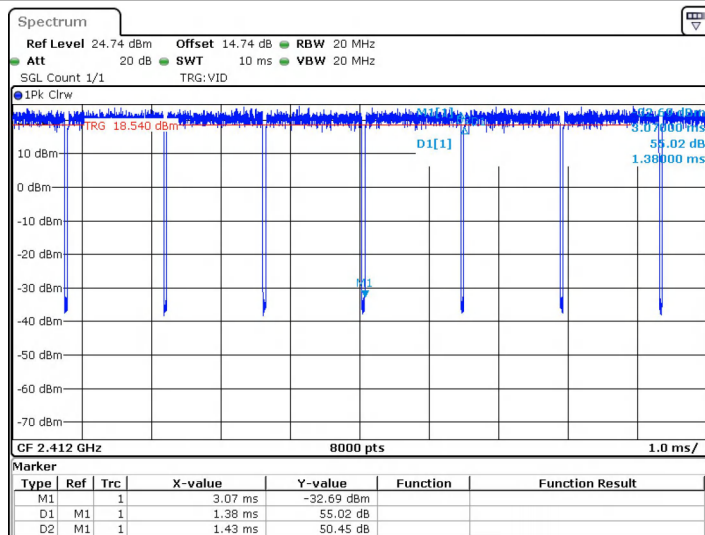
- 1) Duty cycle= On Time/ Period;
- 2) Duty Cycle factor = $10 * \log(1/ \text{Duty cycle})$;

Test Graph_IEEE802.11b Duty Cycle:



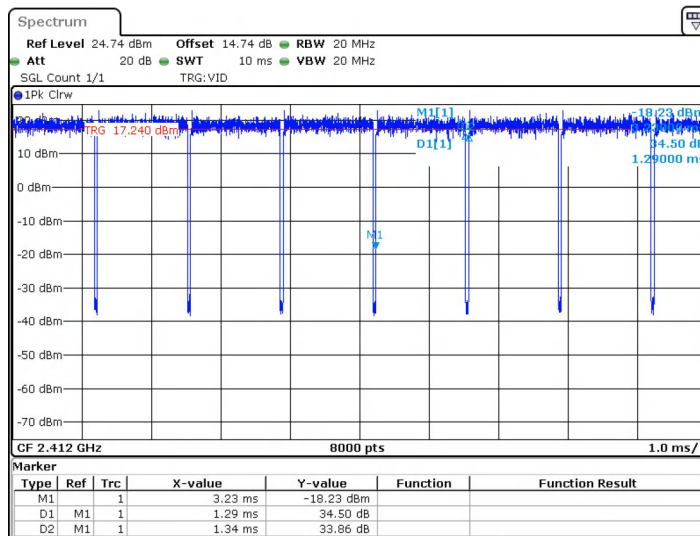
Date: 23.APR.2026 17:41:21

Test Graph_IEEE802.11g Duty Cycle:



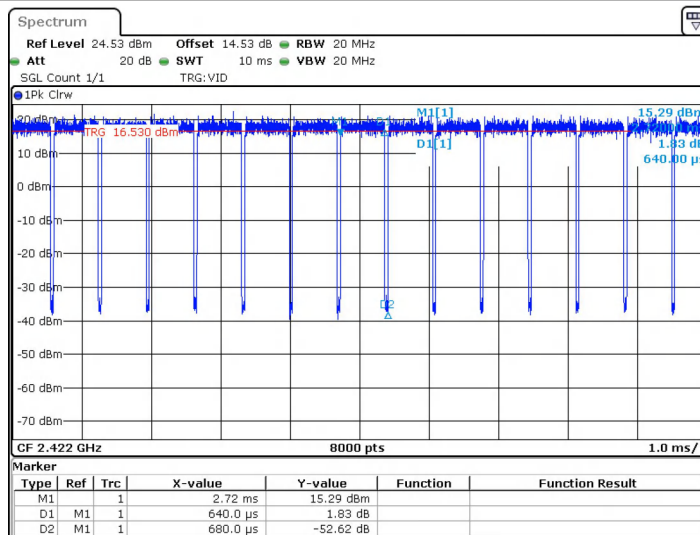
Date: 23.APR.2026 17:52:23

Test Graph_IEEE802.11 n (HT20) Duty Cycle:



Date: 23.APR.2026 18:08:14

Test Graph_IEEE802.11 n (HT40) Duty Cycle:



Date: 23.APR.2026 18:16:14

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/

4.6 Test Location

All tests were performed at:

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD

102A, 102B, Building 2, Shanghenglang New Industrial Zone, Shanghenglang Community, Dalang Street, Longhua District, Shenzhen, Guangdong, People's Republic of China, 518000

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 4742.01)

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD, Shenzhen EMC Laboratory is accredited by the

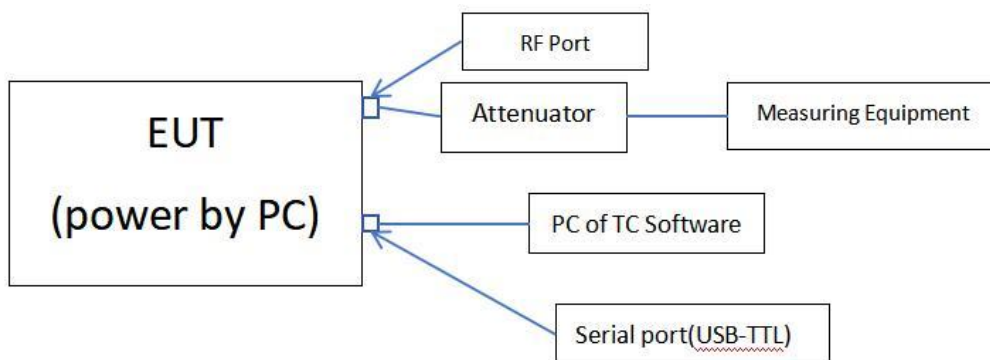
American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD, Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission.

The acceptance letter from the FCC is maintained in our files. Registration No.:522263

4.8 Test configuration



4.9 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	5.12dB	(1)
2	Radiated Emission (Above 1GHz)	4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	3.34dB	(1)
4	Radio Frequency	3×10^{-8}	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8℃	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	Frequency Error	5.5 Hz	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

4.10 Deviation from Standards

None.

4.11 Abnormalities from Standard Conditions

None.

4.12 Other Information Requested by the Customer

None.

4.13 Equipment List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2025/9/1	2026/8/31
Spectrum analyzer	R&S	FSU26	CQA-038	2025/9/1	2026/8/31
Spectrum analyzer	R&S	FSU40	CQA-075	2025/9/1	2026/8/31
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2025/9/1	2026/8/31
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2025/9/1	2026/8/31
Preamplifier	EMCI	EMC184055SE	CQA-089	2025/9/1	2026/8/31
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2023/9/8	2026/9/7
Bilog Antenna	R&S	HL562	CQA-011	2023/11/01	2026/10/31
Horn Antenna	R&S	HF906	CQA-012	2023/11/01	2026/10/31
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2023/9/7	2026/9/6
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2025/9/1	2026/8/31
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2025/9/1	2026/8/31
Antenna Connector	CQA	RFC-01	CQA-080	2025/9/1	2026/8/31
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2025/9/1	2026/8/31
Power meter	R&S	NRVD	CQA-029	2025/9/1	2026/8/31
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2025/9/1	2026/8/31
EMI Test Receiver	R&S	ESR7	CQA-005	2025/9/1	2026/8/31
LISN	R&S	ENV216	CQA-003	2025/9/1	2026/8/31
Coaxial cable	CQA	N/A	CQA-C009	2025/9/1	2026/8/31
DC power	KEYSIGHT	E3631A	CQA-028	2025/9/1	2026/8/31

Test software:

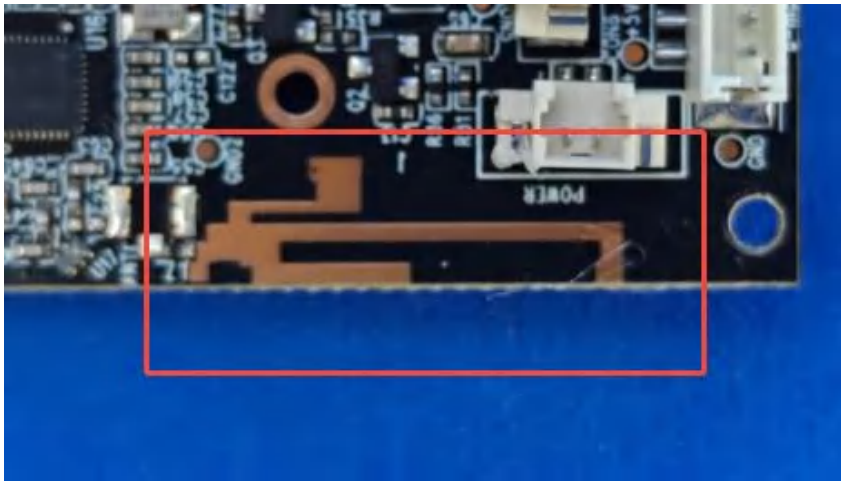
	Manufacturer	Software brand	Software version
Radiated Emissions test software	Tonscend	JS1120-3	Version:8
Conducted Emissions test software	Audix	e3	Version:9
RF Conducted test software	Audix	e3	V3.5.39

Note:

The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
EUT Antenna:	
The antenna is PCB antenna. The connection/connection type between the antenna to the EUT's antenna port is: permanently attachment This is either permanently attachment or a unique coupling that satisfies the requirement.	

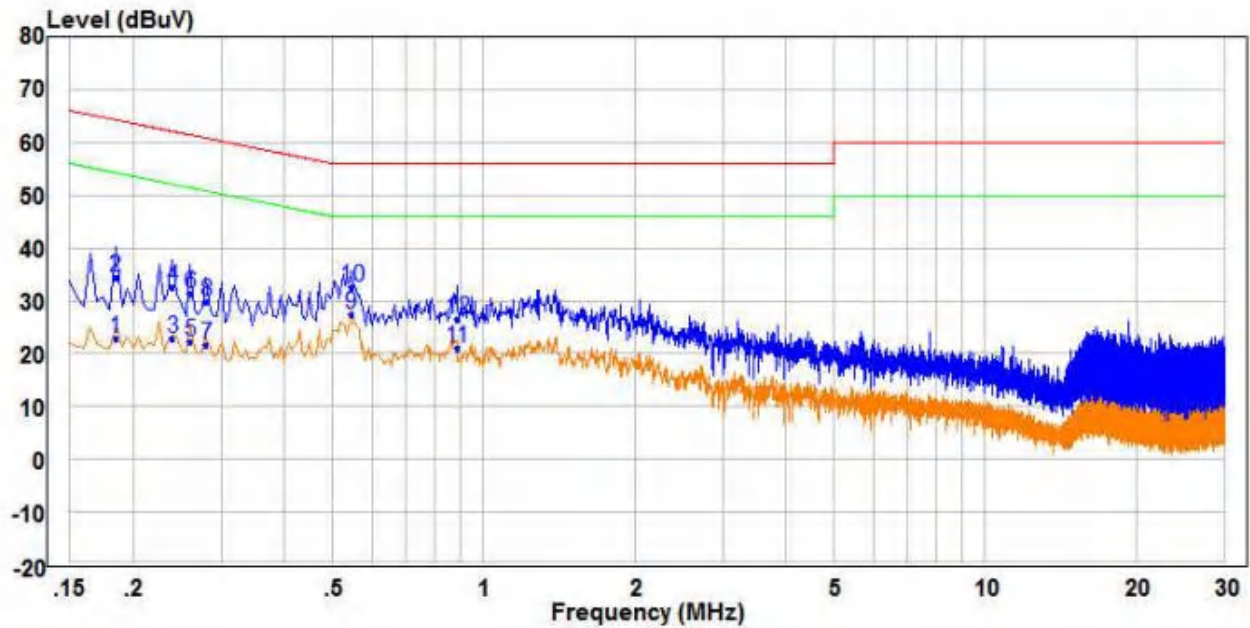
5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2020		
Test Frequency Range:	150kHz to 30MHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the logarithm of the frequency.		
Test Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2020 on conducted measurement.		
Test Setup:	Shielding Room AC Mains LISN1 EUT AE LISN2 AC Mains Test Receiver 80cm 80cm Ground Reference Plane		

Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate of 802.11b at middle channel is the worst case. Only the worst case is recorded in the report.
Test Voltage:	AC120V/60Hz
Test Results:	Pass

Measurement Data

Live Line:

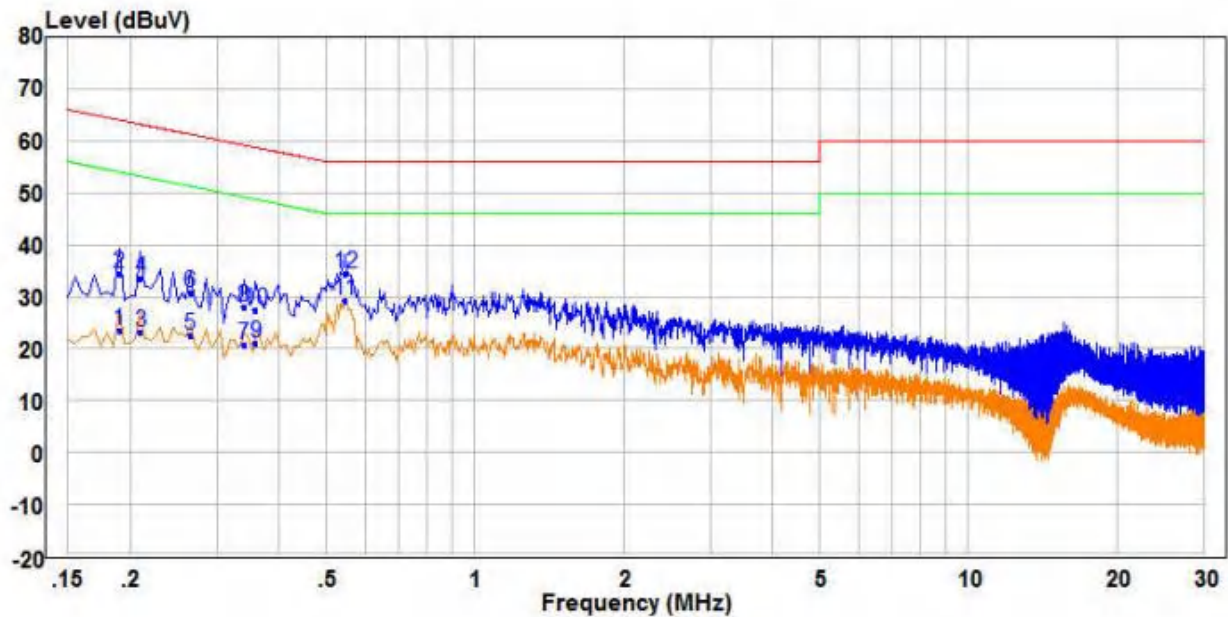


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.185	13.26	9.64	22.90	54.26	-31.36	Average	Line
2	0.185	24.92	9.64	34.56	64.26	-29.70	QP	Line
3	0.240	13.20	9.56	22.76	52.10	-29.34	Average	Line
4	0.240	23.13	9.56	32.69	62.10	-29.41	QP	Line
5	0.260	12.69	9.53	22.22	51.43	-29.21	Average	Line
6	0.260	21.97	9.53	31.50	61.43	-29.93	QP	Line
7	0.280	12.20	9.51	21.71	50.82	-29.11	Average	Line
8	0.280	20.26	9.51	29.77	60.82	-31.05	QP	Line
9 PP	0.545	17.57	9.75	27.32	46.00	-18.68	Average	Line
10 QP	0.545	22.99	9.75	32.74	56.00	-23.26	QP	Line
11	0.885	11.19	9.78	20.97	46.00	-25.03	Average	Line
12	0.885	16.78	9.78	26.56	56.00	-29.44	QP	Line

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral Line:

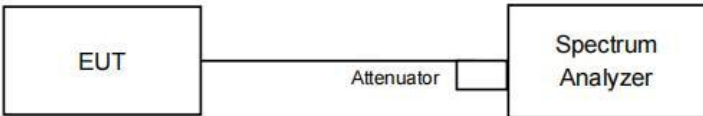


	Freq	Read		Limit	Over		
	MHz	Level	Factor	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.190	13.83	9.62	23.45	54.04	-30.59	Average
2	0.190	24.85	9.62	34.47	64.04	-29.57	QP
3	0.210	13.48	9.59	23.07	53.21	-30.14	Average
4	0.210	23.81	9.59	33.40	63.21	-29.81	QP
5	0.265	13.08	9.52	22.60	51.27	-28.67	Average
6	0.265	21.27	9.52	30.79	61.27	-30.48	QP
7	0.340	11.35	9.53	20.88	49.20	-28.32	Average
8	0.340	18.55	9.53	28.08	59.20	-31.12	QP
9	0.360	11.37	9.56	20.93	48.73	-27.80	Average
10	0.360	17.95	9.56	27.51	58.73	-31.22	QP
11 PP	0.545	19.49	9.75	29.24	46.00	-16.76	Average
12 QP	0.545	24.78	9.75	34.53	56.00	-21.47	QP

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

5.3 Conducted Peak & Average Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	ANSI C63.10: 2020
Test Setup:	<i>Setup for Power meter measurement method</i>  <i>Setup for Spectrum analyser measurement method</i> 
Exploratory Test Mode:	Transmitting in full-bandwidth single-user mode (Full RU) with all kinds of modulations, and at the lowest, middle, and highest data rates across the channel.
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	30dBm
Test Results:	Pass

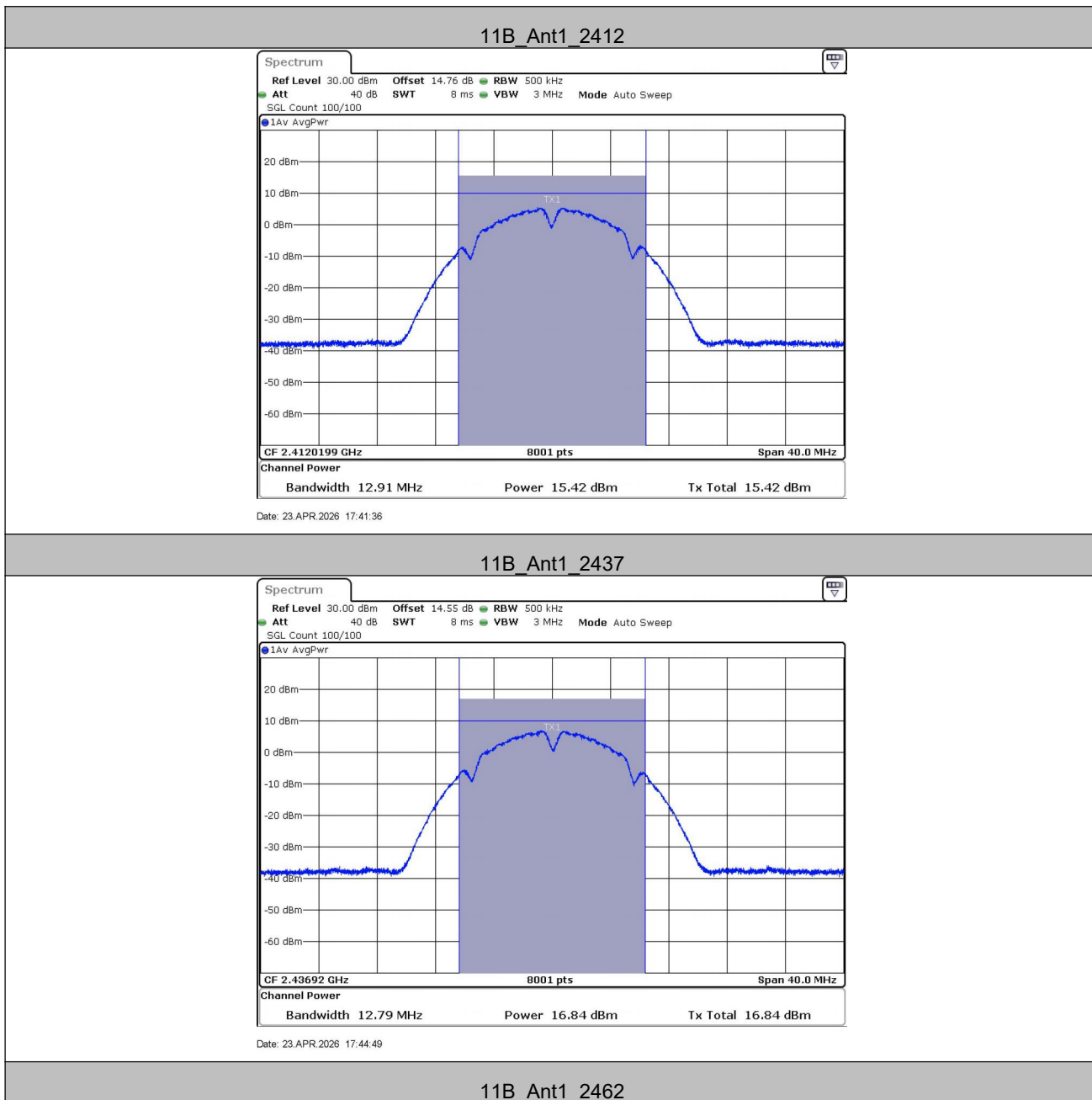
Test Result

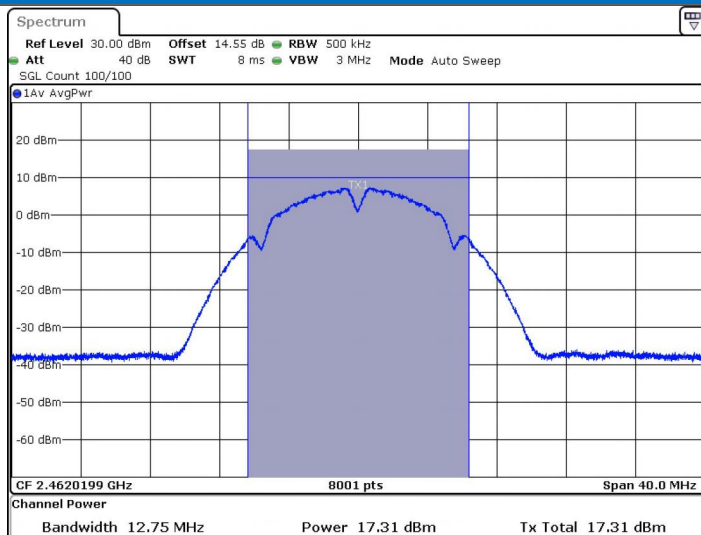
Test Mode	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	15.42	≤30.00	PASS
	2437	16.84	≤30.00	PASS
	2462	17.31	≤30.00	PASS
11G	2412	15.31	≤30.00	PASS
	2437	16.59	≤30.00	PASS
	2462	17.05	≤30.00	PASS
11N20SISO	2412	13.25	≤30.00	PASS
	2437	14.42	≤30.00	PASS
	2462	16.97	≤30.00	PASS
11N40SISO	2422	12.78	≤30.00	PASS
	2437	16.45	≤30.00	PASS
	2452	13.91	≤30.00	PASS

Note: Duty cycle correction factor details please see section 4.4.

When Duty cycle >98%, D.C.F is not required.

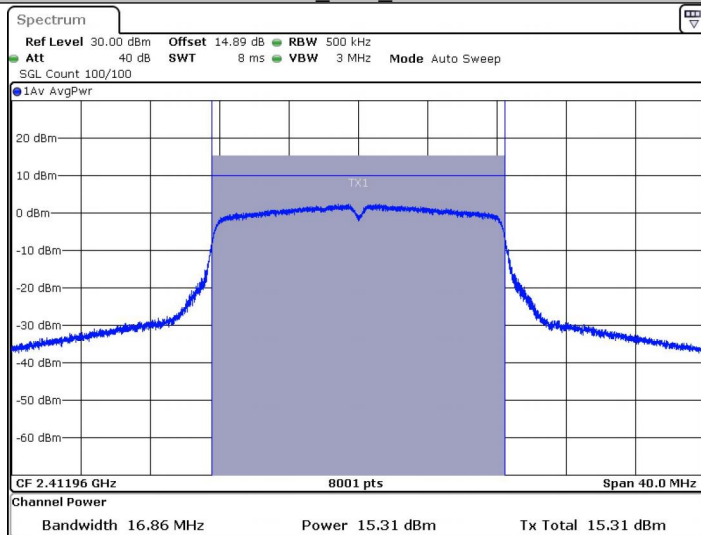
Test Graphs





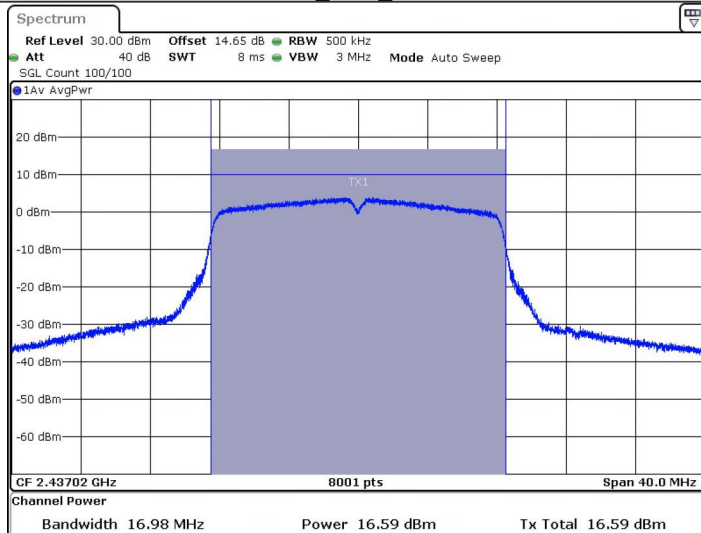
Date: 23.APR.2026 17:46:34

11G_Ant1_2412



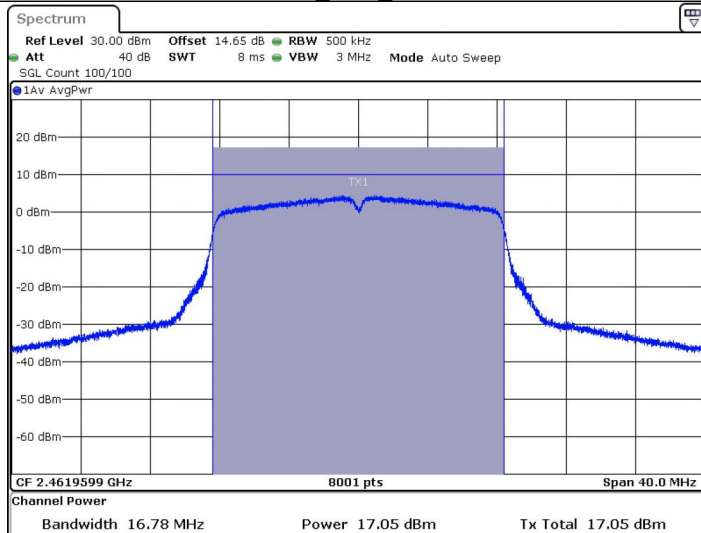
Date: 23.APR.2026 17:52:39

11G_Ant1_2437



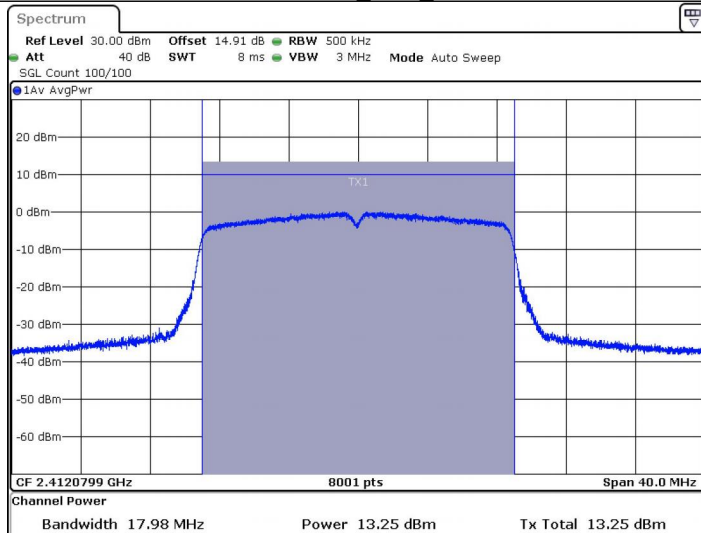
Date: 23.APR.2026 17:56:17

11G_Ant1_2462



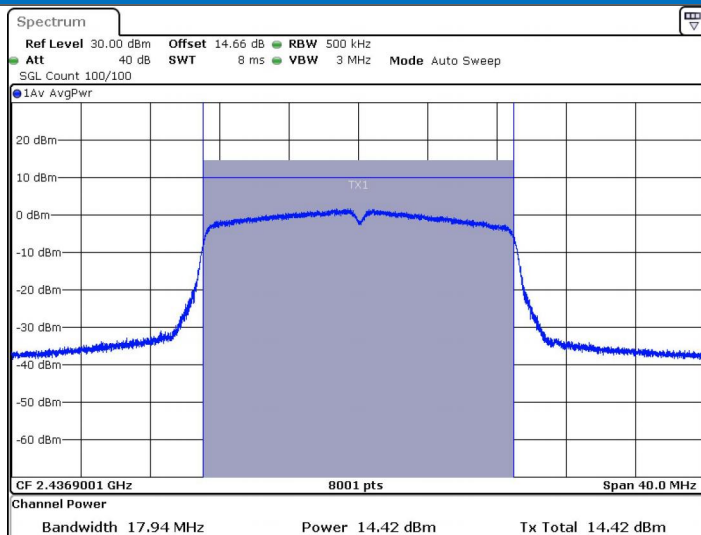
Date: 23 APR 2026 18:05:34

11N20SISO_Ant1_2412



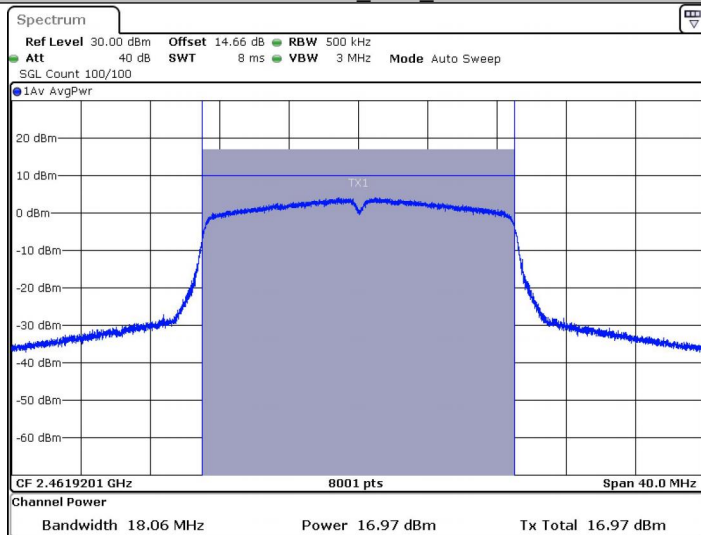
Date: 23 APR 2026 18:08:30

11N20SISO_Ant1_2437



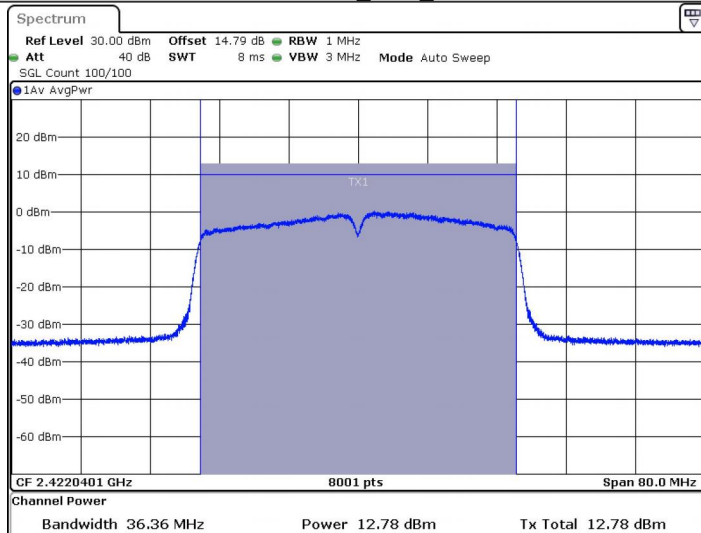
Date: 23.APR.2026 18:10:05

11N20SISO_Ant1_2462



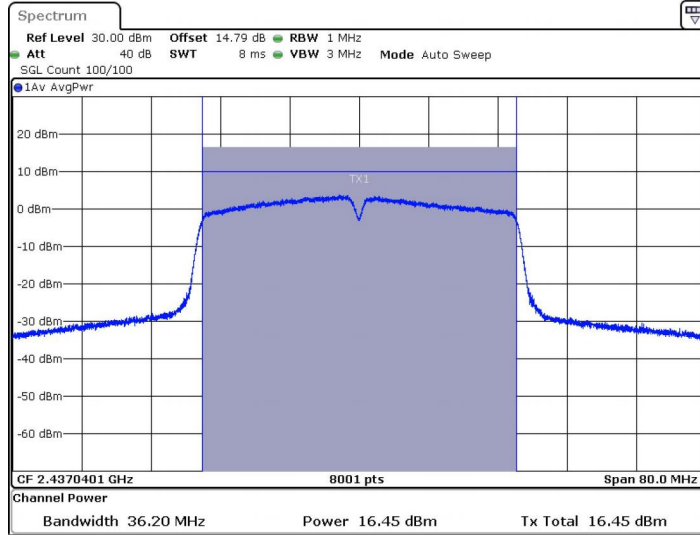
Date: 23.APR.2026 18:12:37

11N40SISO_Ant1_2422



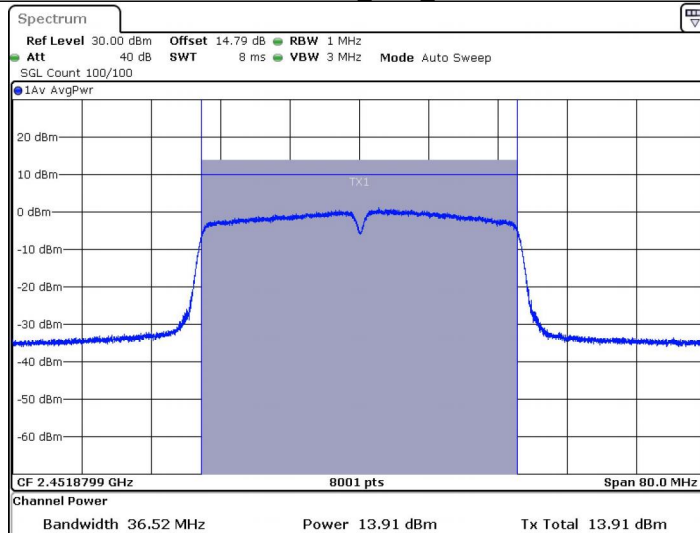
Date: 23.APR.2026 18:16:31

11N40SISO_Ant1_2437



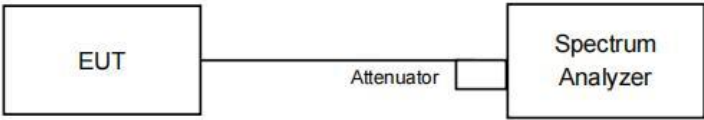
Date: 23 APR 2026 18:18:33

11N40SISO_Ant1_2452



Date: 23 APR 2026 18:21:06

5.4 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C
Test Method:	ANSI C63.10: 2020
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

Test Result

TestMode	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	2412	12.907	2405.5664	2418.4735
	2437	12.787	2430.5265	2443.3137
	2462	12.747	2455.6464	2468.3936
11G	2412	16.863	2403.5285	2420.3916
	2437	16.983	2428.5285	2445.5115
	2462	16.783	2453.5684	2470.3516
11N20SISO	2412	17.982	2403.0889	2421.0709
	2437	17.942	2427.9291	2445.8711
	2462	18.062	2452.8891	2470.9510
11N40SISO	2422	36.364	2403.8581	2440.2218
	2437	36.204	2418.9381	2455.1419
	2452	36.523	2433.6184	2470.1419

Test Graphs

