

47 CFR PART 15 SUBPART E TEST REPORT
for
802.11ac/abgn 2T2R Half Mini-PCI-Express Module
Model No.: AWM5820
FCC ID: RPV-AWM5820

of

Applicant: ATOP Technologies, Inc
Address: 1F, No. 30 R&D Rd. II, Science-Based Industrial Park,
Hsinchu 30076, Taiwan R.O.C.

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW1072

Industry Canada filed test laboratory Reg. No.: 20037, 5107A



Report No.: W6M22403-23316-C-2



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems. The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-

1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

Tester:

April 18, 2024

Ken Kang

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

April 18, 2024

Kevin Wang

Date

WTS

Name

Signature



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1.2 Testing laboratory

1.2.1 Location

10m OATS
No.5-1, Lishui, Shuang Sing Village, Wanli Dist.,
New Taipei City 207, Taiwan (R.O.C.)

3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist.,
Taipei City 114, Taiwan (R.O.C.)
Tel: 886-2-6613-0228

Worldwide Testing Services (Taiwan) Co., Ltd.
6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,
Taipei City 114 , Taiwan (R.O.C.)
Tel: 886-2-6606-8877

1.2.2 Details of accreditation status

Accredited testing laboratory
FCC filed test laboratory Reg. No.: TW1477, TW1072
Industry Canada filed test laboratory Reg. No.: 20037, 5107A

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.:

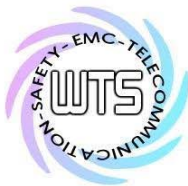
Name: ./.
Accredited number: ./.
Street: ./.
Town: ./.
Country: ./.

1.3 Details of approval holder

Name: ATOP Technologies, Inc
Street: 1F, No. 30 R&D Rd. II, Science-Based Industrial Park,
Town: Hsinchu 30076,
Country: Taiwan R.O.C.

1.4 Application details

Date of receipt of test item: March 19, 2024
Date of test: from March 20, 2024 to April 17, 2024



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1.5 General information of Test item

Type of test item: 802.11ac/abgn 2T2R Half Mini-PCI-Express Module
 Model number: AWM5820
 Brand name: ATOP
 Multi-listing model number: ./.
 Sample no.: #01

Technical data

Frequency band: Band 1: 5.150 GHz-5.250 GHz, Band 4: 5.725 GHz-5.850 GHz

Band	Mode	Channel	Conducted Power (dBm)
NII-1	802.11a	Ch 36 : 5180 MHz	3.63
		Ch 44 : 5220 MHz	3.23
		Ch 48 : 5240 MHz	6.25
	802.11n 20MHz	Ch 36 : 5180 MHz	2.41
		Ch 44 : 5220 MHz	4.94
		Ch 48 : 5240 MHz	7.49
	802.11n 40MHz	Ch 38 : 5190 MHz	2.11
		Ch 46 : 5230 MHz	7.22
	802.11n 80MHz	Ch 42 : 5210 MHz	7.75
NII-3	802.11a	Ch 149 : 5745 MHz	8.74
		Ch 157 : 5785 MHz	10.47
		Ch 165 : 5825 MHz	10.56
	802.11n 20MHz	Ch 149 : 5745 MHz	11.37
		Ch 157 : 5785 MHz	12.57
		Ch 165 : 5825 MHz	12.45
	802.11n 40MHz	Ch 151 : 5755 MHz	10.97
		Ch 159 : 5795 MHz	11.52
	802.11n 80MHz	Ch 155 : 5775 MHz	11.10

Operating modes: Duplex
 Type of modulation: OFDM/DSSS
 Type of antenna: #614X Replacement Antenna



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Antenna gain: ANT 1
 Band 1: 5 dBi
 Band 4: 5 dBi
 ANT 2
 Band 1: 5 dBi
 Band 4: 5 dBi

Directional gain: Band 1: 8.01 dBi
 Band 4: 8.01 dBi

Power supply: 3.3Vd.c.

Note: Tests were performed under worst case mode 802.11a 6 Mbps, 802.11n 20MHz(MCS0), 802.11n 40MHz(MCS0) and 802.11ac 80MHz(MCS0).

Note: This device was functioned as a Master Slave device during the DFS

Manufacturer: (if applicable)

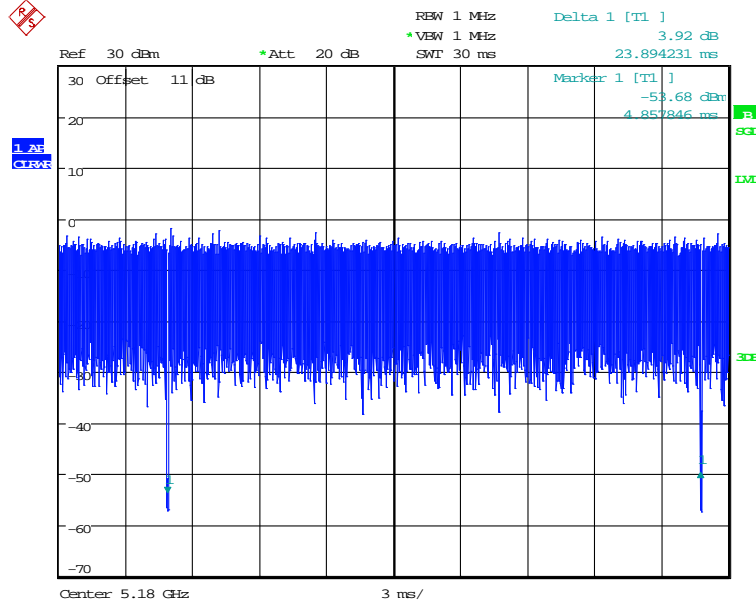
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Town: ./.
Country: ./.

Duty cycle

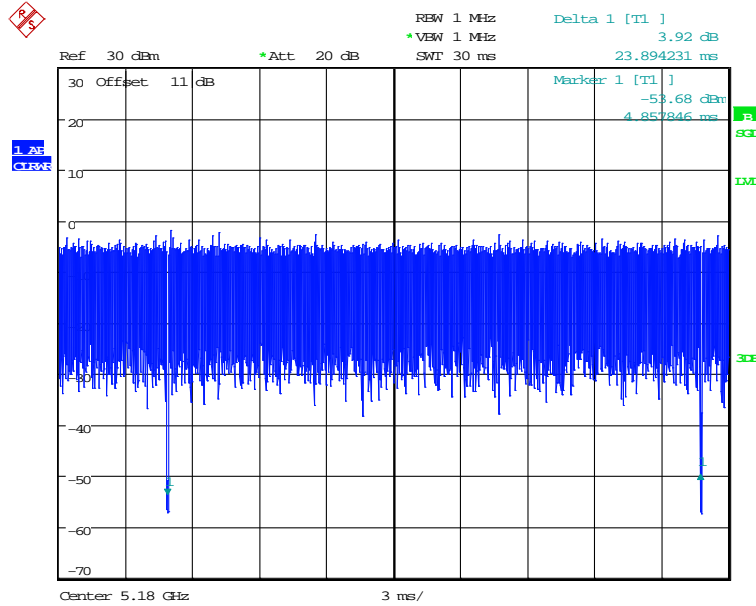
Mode	T _{on} (ms)	T _{on} +T _{off} (ms)	Duty cycle (%)	Duty Factor (dB)	1/T - VBW (kHz)
802.11a	23.89423	23.894231	100.00%	0.00	0.01
802.11n 20MHz	23.94231	23.942308	100.00%	0.00	0.01
802.11n 40MHz	23.89423	23.894231	100.00%	0.00	0.01
802.11ac 80MHz	23.89423	23.942308	99.80%	0.01	0.01



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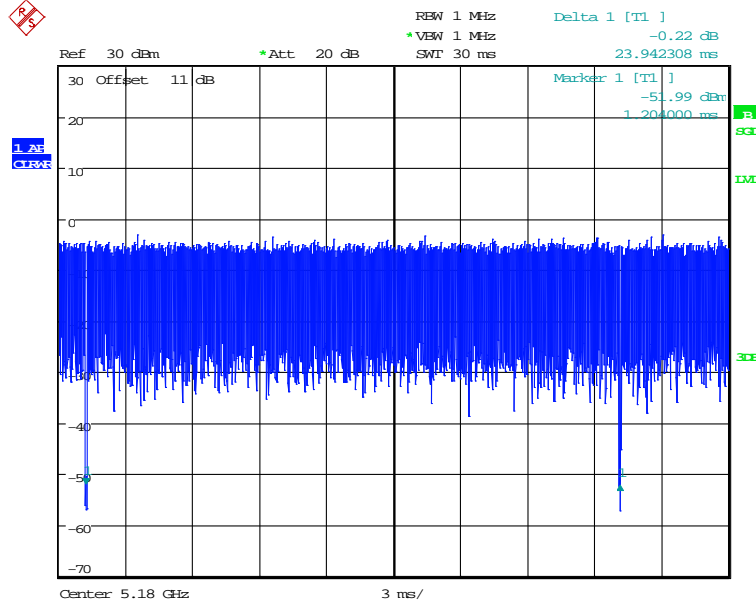
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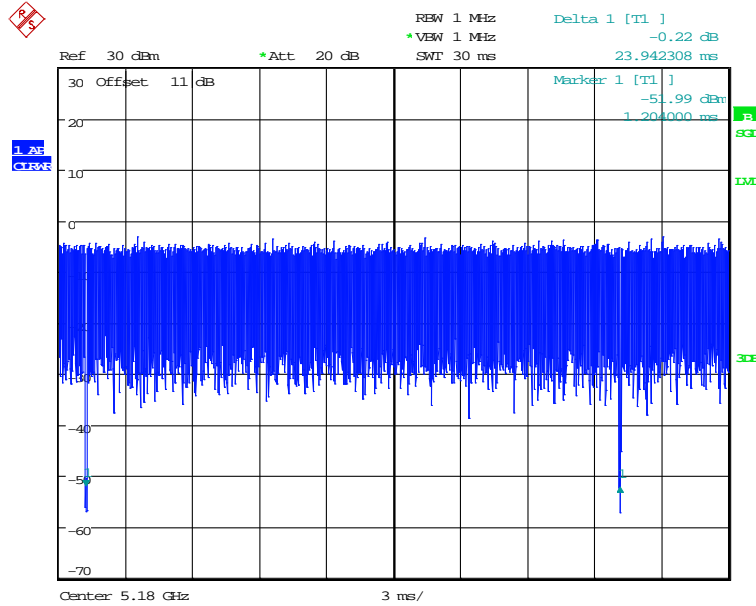
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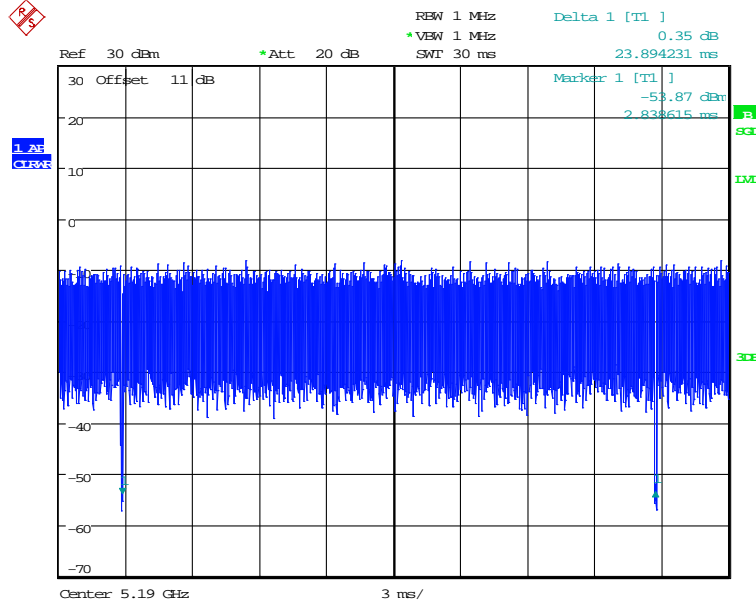
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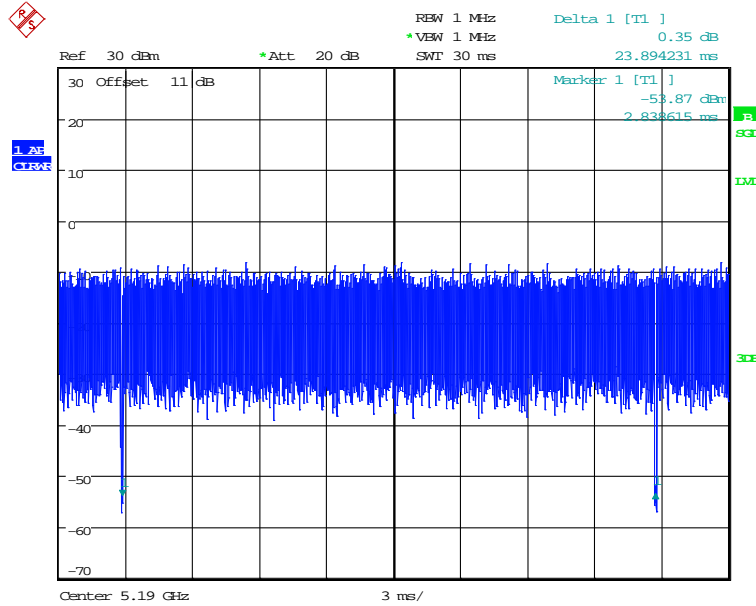
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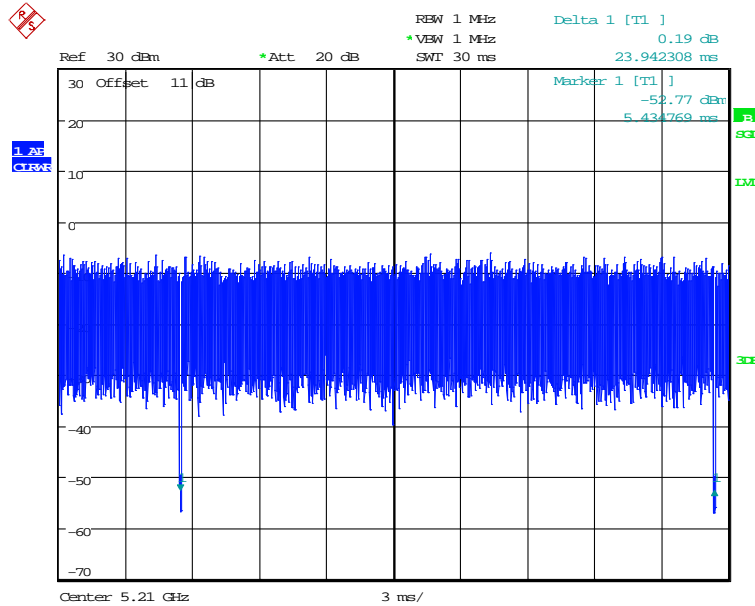
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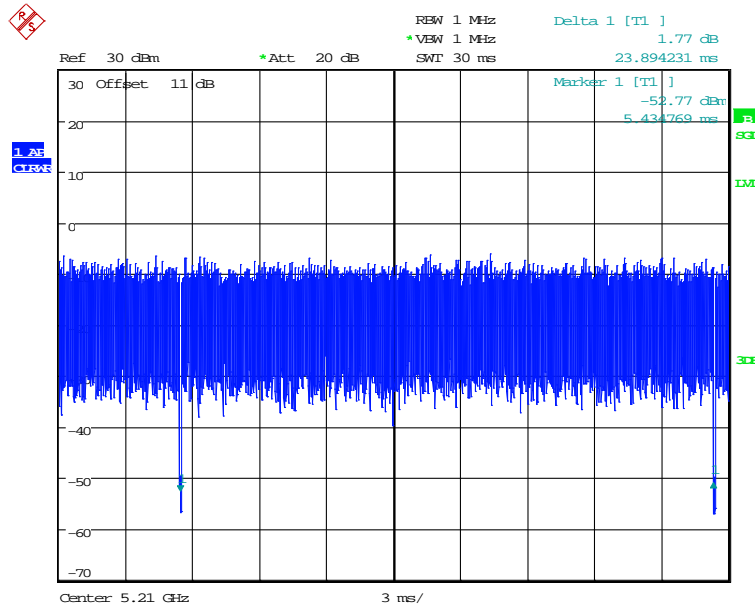
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Date: 9.APR.2024 11:15:01



DUTY AC80 TON
Date: 9.APR.2024 11:15:20

1.6 Test standards

Technical standard : 47 CFR PART 15 SUBPART C § 15.407 (2022-10)



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2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.

or

The deviations were ascertained in the course of the tests performed.

2.2 Test environment

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply: 3.3Vd.c.

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission (Power Line Conducted Emission)	Expanded Uncertainty : AMN : 0.94 dB Voltage probe : 0.96 dB Include Pulse Limiter : 1.5 dB
Estimation Result of Uncertainty of Radiated Emission(3M-966A) (Undesirable emission limits, Radiated Emissions from Receiver Part)	Expanded Uncertainty : 0.009-30 MHz : 1.88 dB 30-1000 MHz : 3.20 dB 1-18 GHz : 3.56 dB 18-40 GHz : 2.94 dB
Estimation Result of Uncertainty of Bandwidth Measurement (26dB emission bandwidth, 99% Occupied Bandwidth, 6dB emission bandwidth, 99% Occupied Bandwidth)	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Transmit Power)	Expanded Uncertainty : 1.64 dB
Estimation Result of Uncertainty of Power Density Measurement (Peak Power Spectral Density)	Expanded Uncertainty : 1.64 dB
Estimation Result of Uncertainty of EIRP Measurement (Equivalent Isotropic Radiated Power (EIRP), Radiated Emissions from Receiver Part)	Expanded Uncertainty : 30-200MHz : 3.49 dB 200-1000MHz : 3.49 dB 1-18GHz : 4.81 dB 18-40GHz : 3.94 dB
Estimation Result of Uncertainty of DFS Timing (Dynamic Frequency Selection (DFS), Channel Move Time, Channel Closing Transmission Time)	Expanded Uncertainty : 587.89 us
Estimation Result of Uncertainty of DFS Threshold (Dynamic Frequency Selection (DFS), Channel Move Time, Channel Closing Transmission Time)	Expanded Uncertainty : 1.00 dB

The decision rule is: Measurement uncertainty is not included in the calculation of test results.



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2.3 Test Equipment List
 AC Conducted

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2023/6/12	2024/6/11
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2023/10/26	2024/10/25
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-Cable 093	BNC Cable (3m)	EMCCFD-300 -BM-BM-3000	240109	EMCI	2024/1/10	2025/1/9
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	

966A Spurious Emission & Bandedge & Mask

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2023/9/20	2024/9/19
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2023/4/13	2024/4/12
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2023/7/14	2024/7/13
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168& EMCI-N-6-06	01380&AT-06007	SCHWARZBECK&EMC	2024/3/4	2025/3/3
ETSTW-RE 178	Double Ridged Guide Horn Antenna	DRH18-E	210505A18ES	RFSPIN	2024/2/29	2025/2/28
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2023/7/14	2024/7/13
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2023/7/14	2024/7/13
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2023/7/14	2024/7/13
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	

Max Output Power & Power Density & EBW(26DB) & OBW & 6db bandwidth & Duty

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2024/2/16	2025/2/15
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2024/3/7	2025/3/6
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2024/2/16	2025/2/15



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2.4 Test Procedure

The test procedures are performed following the test stands ANSI STANDARD C63.10 and FCC 789033 D02 General UNII Test Procedures New Rules v01r04.

■ Minimum Emission Bandwidth for the band 5.150-5.250 GHz, 5.725-5.850 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) 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 relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

■ 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section H)3)d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the 6-dB emission bandwidth to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section E). However, the 6-dB bandwidth must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth.

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.



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■ Maximum conducted output power

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1 MHz.
- (iii) Set VBW ≥ 3 MHz.
- (iv) Number of points in sweep \geq Span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
- (v) Sweep time = auto.
- (vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run”.
- (viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

■ Power Density

The rules requires “maximum power spectral density” measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power...”. (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
 - a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.
 - b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus



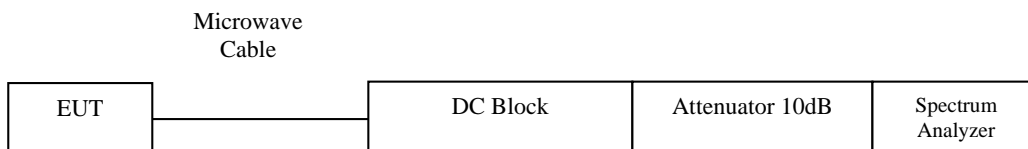
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a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.1.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW=100 kHz is available on nearly all spectrum analyzers.

Conducted measurement test setup





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3 Test results (enclosure)

Test case	Para. Number	Required	Test passed	Test failed
Peak Transmit Power	15.407(a)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6-dB emission bandwidth	15.407(a)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
26-dB emission bandwidth	15.407(a)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
99 % Occupied Bandwidth	789033 D02 General U-NII Test Procedures New Rules v02r01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Peak Power Spectral Density	15.407(a)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undesirable emission limits	15.407(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radio Frequency Exposure	15.407(f)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transmit Power Control	15.407(h)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dynamic Frequency Selection (DFS)	15.407(h)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UNII Detection Bandwidth	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Initial Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radar Burst at the Beginning of the Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radar Burst at the End of the Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Statistical Performance Check	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiated Emission from Receiver Part	15.109	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AC Conducted Emissions	15.207	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following is intentionally left blank.



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3.1 Peak Transmit Power, FCC 15.407 (a)

According to §15.407(a)

1. For the band 5.15-5.25 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W) for master device and 24 dBm (250 mW) for mobile/portable client device.
2. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 24 dBm (250 mW) or 11dBm + 10 log B, whichever is lower (B= 26-dB emission BW).
3. For the band 5.725-5.850 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W).

Test date: April 09, 2024

Temperature: 26.2°C

Humidity: 60.0%

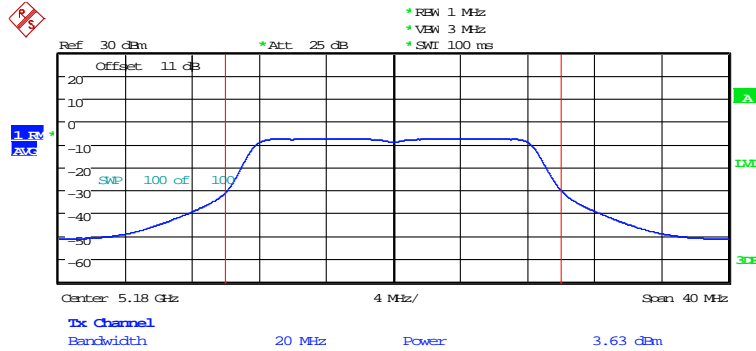
Tester: Ken

Band	Mode	Channel	Conducted power with DF		Combine (dBm)	DF (dB)	Limit (dBm)
			Antenna 1 (dBm)	Antenna 2 (dBm)			
NII-1	802.11a	Ch 36 : 5180 MHz	3.63	2.87	-	0.00	21.99
		Ch 44 : 5220 MHz	3.23	2.56	-	0.00	21.99
		Ch 48 : 5240 MHz	3.03	6.25	-	0.00	21.99
	802.11n 20MHz	Ch 36 : 5180 MHz	-4.76	1.49	2.41	0.00	21.99
		Ch 44 : 5220 MHz	-1.61	3.86	4.94	0.00	21.99
		Ch 48 : 5240 MHz	1.03	6.38	7.49	0.00	21.99
	802.11n 40MHz	Ch 38 : 5190 MHz	-4.89	1.14	2.11	0.00	21.99
		Ch 46 : 5230 MHz	1.06	6.01	7.22	0.00	21.99
	802.11ac 80MHz	Ch 42 : 5210 MHz	1.18	6.67	7.75	0.01	21.99
	NII-3	802.11a	Ch 149 : 5745 MHz	8.24	8.74	-	0.00
Ch 157 : 5785 MHz			8.51	10.47	-	0.00	27.42
Ch 165 : 5825 MHz			8.07	10.56	-	0.00	27.42
802.11n 20MHz		Ch 149 : 5745 MHz	8.09	8.61	11.37	0.00	27.42
		Ch 157 : 5785 MHz	8.48	10.42	12.57	0.00	27.42
		Ch 165 : 5825 MHz	7.99	10.52	12.45	0.00	27.42
802.11n 40MHz		Ch 151 : 5755 MHz	6.88	8.82	10.97	0.00	27.42
		Ch 159 : 5795 MHz	7.02	9.62	11.52	0.00	27.42
802.11ac 80MHz		Ch 155: 5775 MHz	6.82	9.07	11.10	0.01	27.42

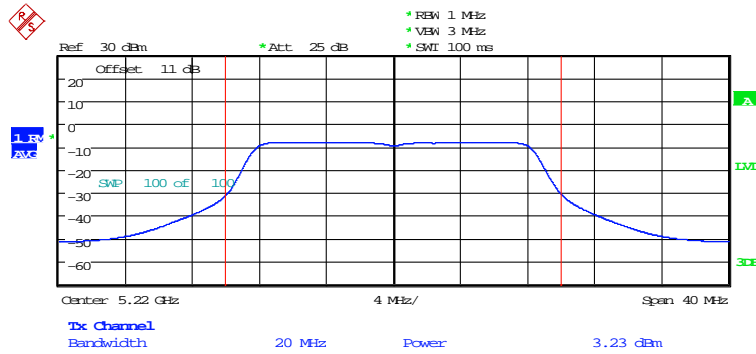


Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

ANT 1
 5.15 GHz ~ 5.25 GHz



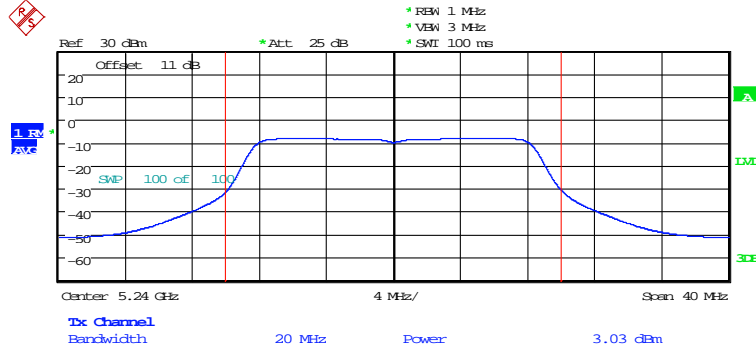
MAXIMUM CONDUCTED POWER ANT1_11aCH36
 Date: 9.APR.2024 09:32:38



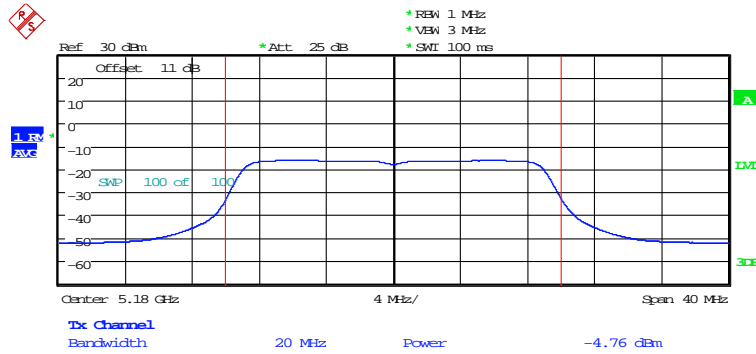
MAXIMUM CONDUCTED POWER ANT1_11aCH44
 Date: 9.APR.2024 09:34:06



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



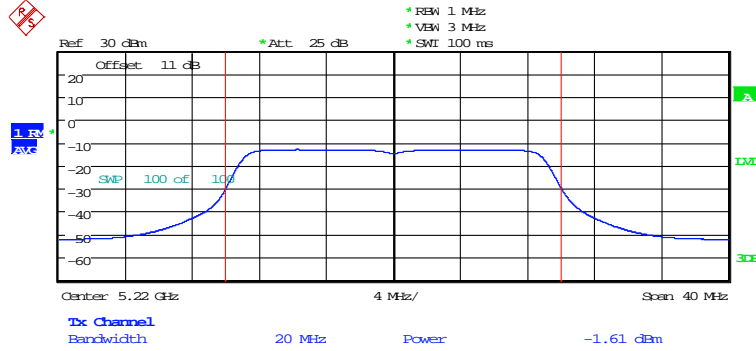
MAXIMUM CONDUCTED POWER ANTI_11aCH48
 Date: 9.APR.2024 09:35:14



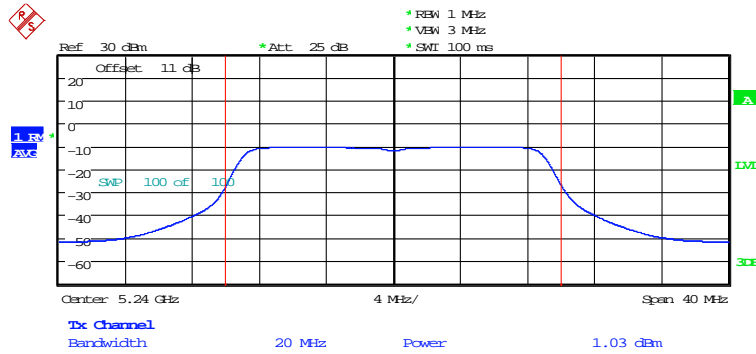
MAXIMUM CONDUCTED POWER ANTI_11n20CH36
 Date: 9.APR.2024 09:53:56



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



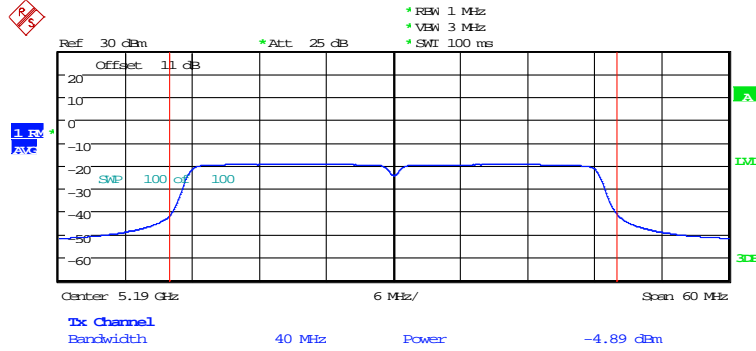
MAXIMUM CONDUCTED POWER ANT1_11n20CH44
 Date: 9.APR.2024 09:55:11



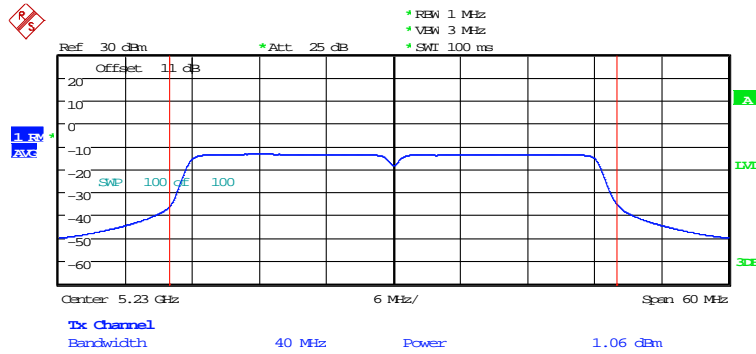
MAXIMUM CONDUCTED POWER ANT1_11n20CH48
 Date: 9.APR.2024 09:56:32



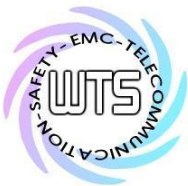
Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



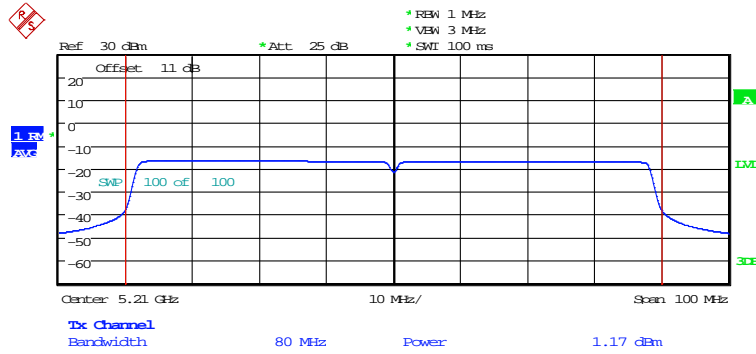
MAXIMUM CONDUCTED POWER ANTI_11n40CH38
Date: 9.APR.2024 09:59:09



MAXIMUM CONDUCTED POWER ANTI_11n40CH46
Date: 9.APR.2024 10:00:44



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



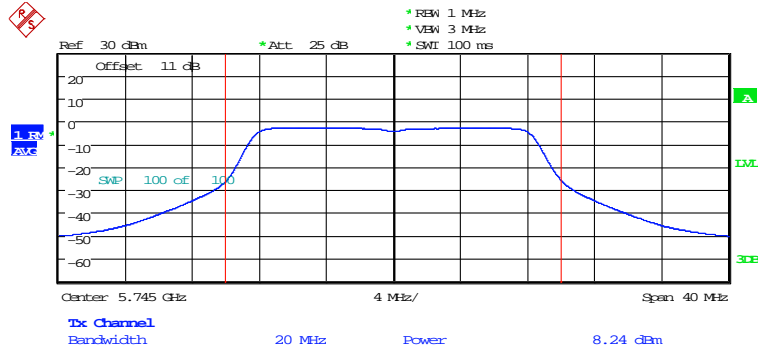
MAXIMUM CONDUCTED POWER ANT1_11ac80CH42
Date: 9.APR.2024 10:03:41



Registration number: W6M22403-23316-C-2

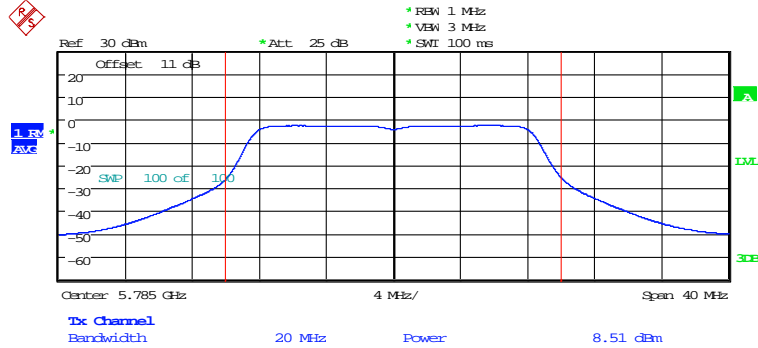
FCC ID: RPV-AWM5820

5.725 GHz ~ 5.85 GHz



MAXIMUM CONDUCTED POWER ANTI_11aCH149

Date: 9.APR.2024 10:13:05

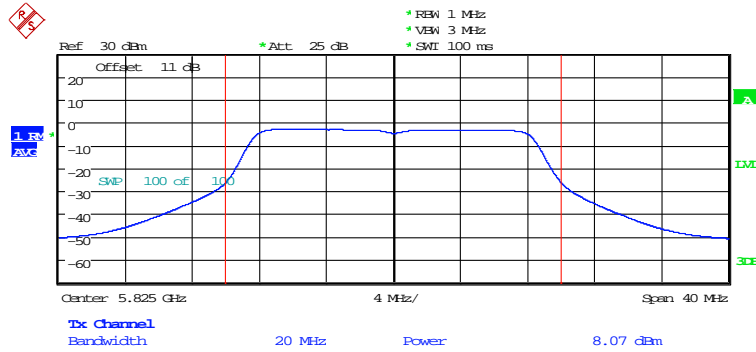


MAXIMUM CONDUCTED POWER ANTI_11aCH157

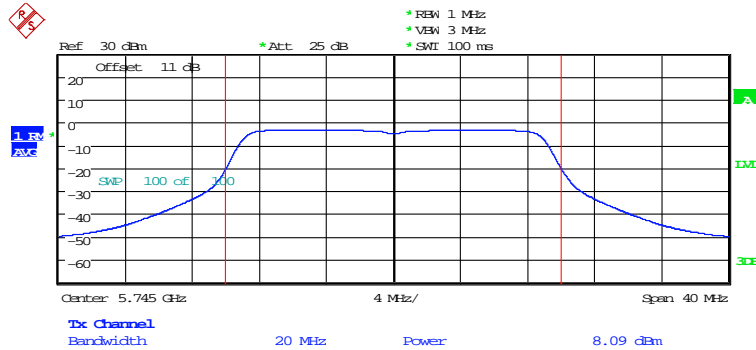
Date: 9.APR.2024 10:14:54



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



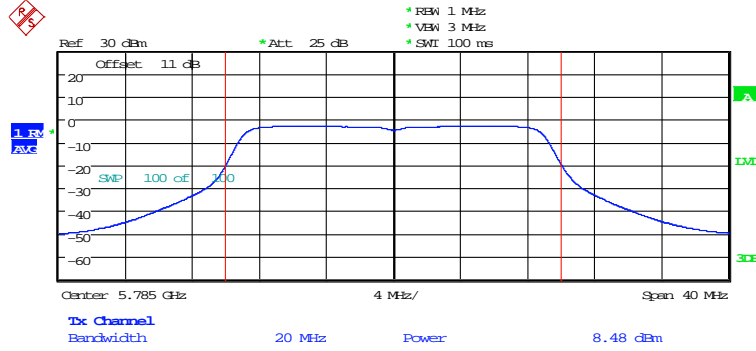
MAXIMUM CONDUCTED POWER ANT1_11aCH165
 Date: 9.APR.2024 10:16:09



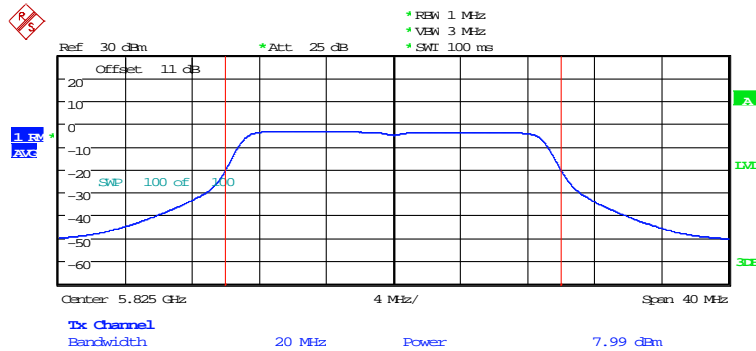
MAXIMUM CONDUCTED POWER ANT1_11n20CH149
 Date: 9.APR.2024 10:18:31



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



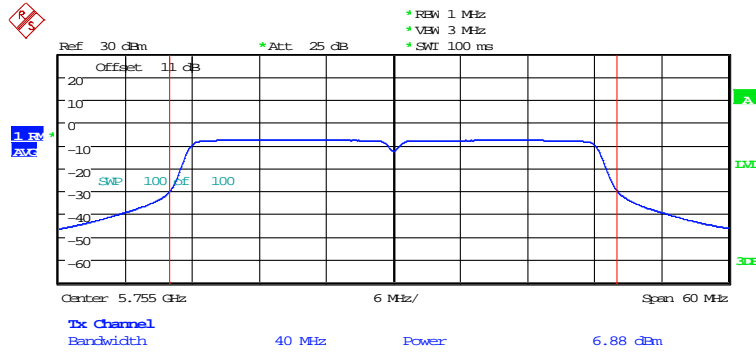
MAXIMUM CONDUCTED POWER ANT1_11n20CH157
 Date: 9.APR.2024 10:19:46



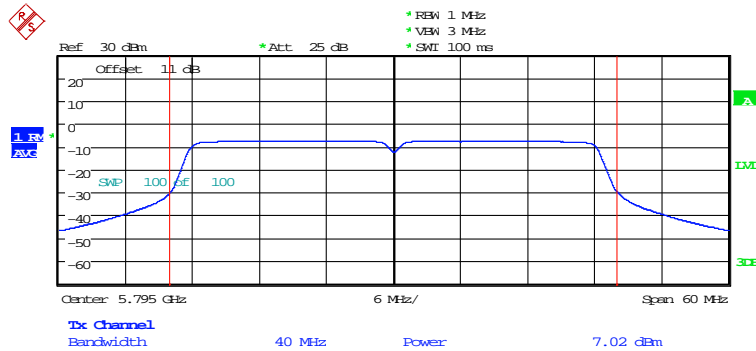
MAXIMUM CONDUCTED POWER ANT1_11n20CH165
 Date: 9.APR.2024 10:21:15



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



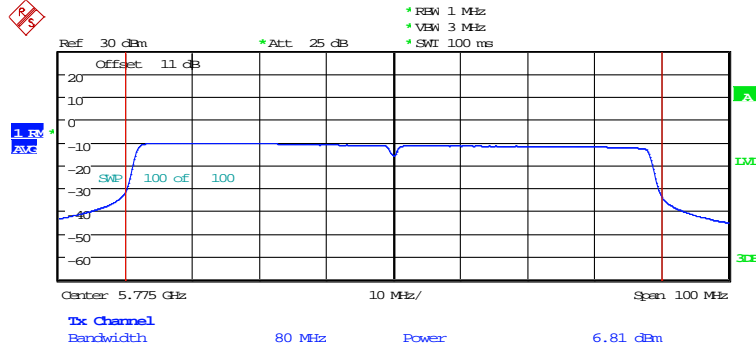
MAXIMUM CONDUCTED POWER ANT1_11n40CH151
Date: 9.APR.2024 10:23:10



MAXIMUM CONDUCTED POWER ANT1_11n40CH159
Date: 9.APR.2024 10:25:47

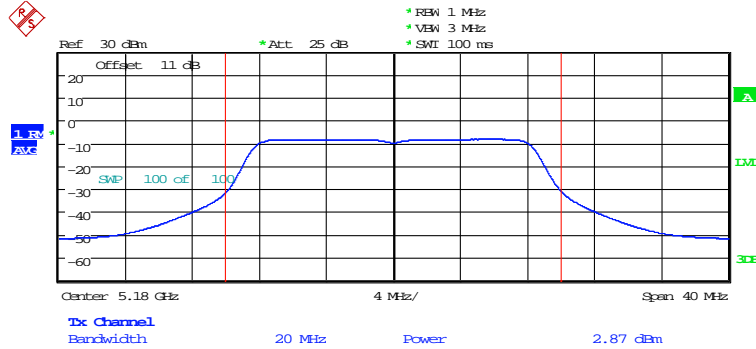


Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



MAXIMUM CONDUCTED POWER ANT1_11ac80_CH155
 Date: 9.APR.2024 11:08:51

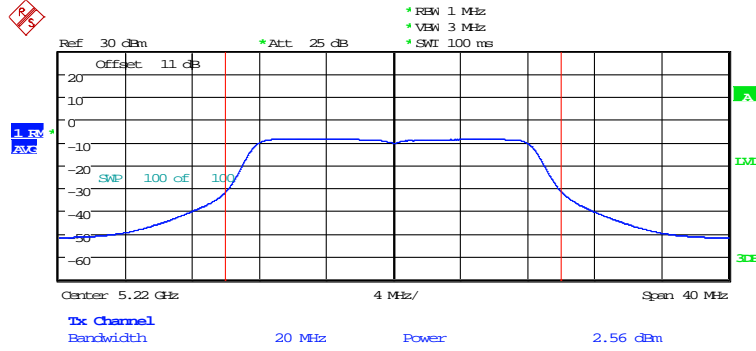
ANT 2 5.15 GHz ~ 5.25 GHz



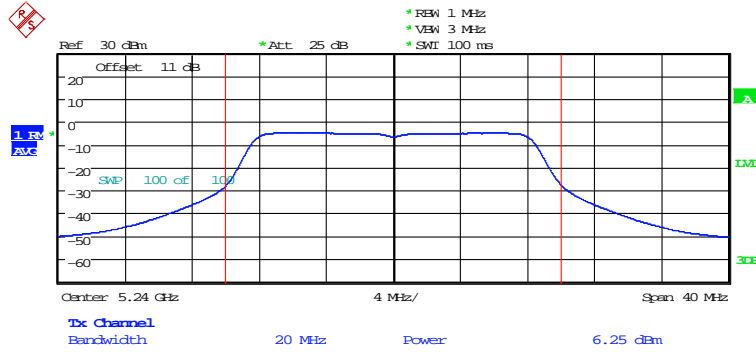
MAXIMUM CONDUCTED POWER ANT2_11aCH36
 Date: 9.APR.2024 10:48:13



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



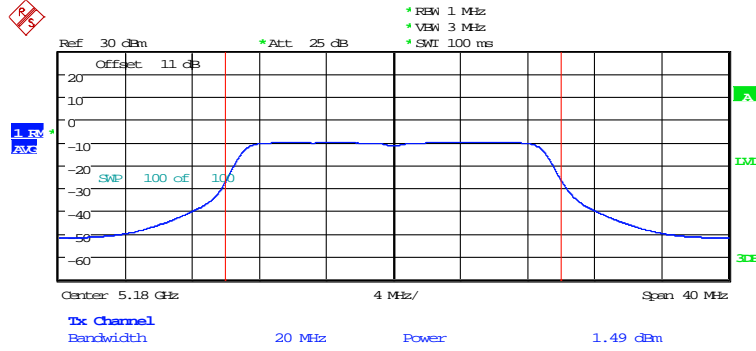
MAXIMUM CONDUCTED POWER ANT2_11aCH44
Date: 9.APR.2024 10:49:48



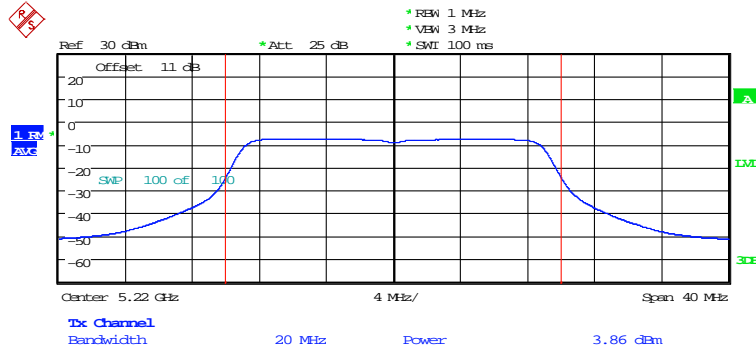
MAXIMUM CONDUCTED POWER ANT2_11aCH48
Date: 9.APR.2024 10:51:10



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



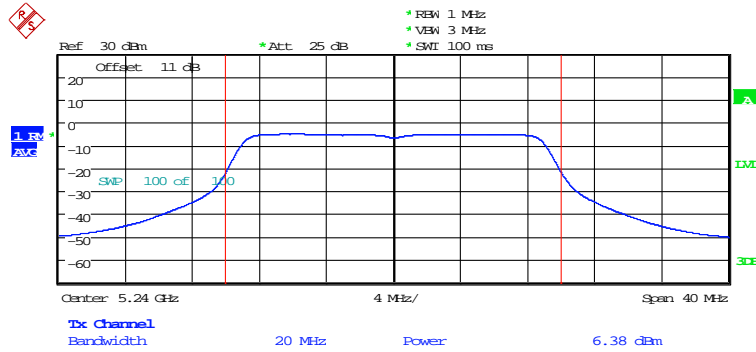
MAXIMUM CONDUCTED POWER ANT2_11n20CH36
 Date: 9.APR.2024 10:52:58



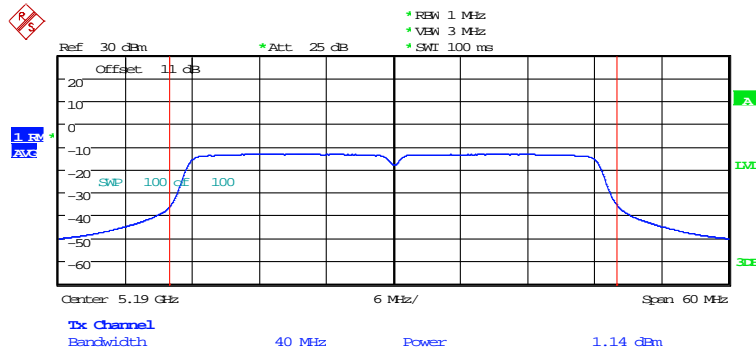
MAXIMUM CONDUCTED POWER ANT2_11n20CH44
 Date: 9.APR.2024 10:54:20



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



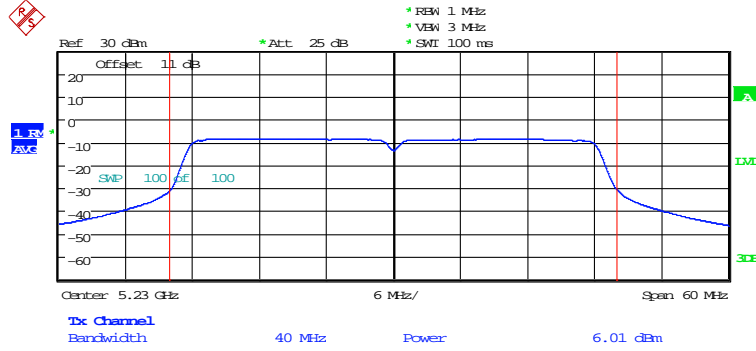
MAXIMUM CONDUCTED POWER ANT2_11n20CH48
Date: 9.APR.2024 10:55:42



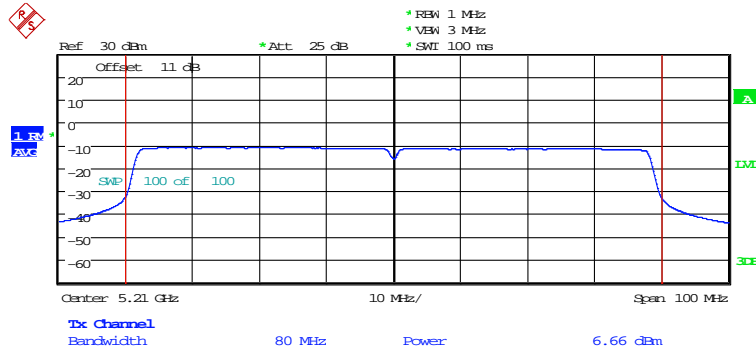
MAXIMUM CONDUCTED POWER ANT2_11n40CH38
Date: 9.APR.2024 10:57:51



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



MAXIMUM CONDUCTED POWER ANT2_11n40CH46
 Date: 9.APR.2024 10:59:39



MAXIMUM CONDUCTED POWER ANT2_11ac80CH42
 Date: 9.APR.2024 11:01:55

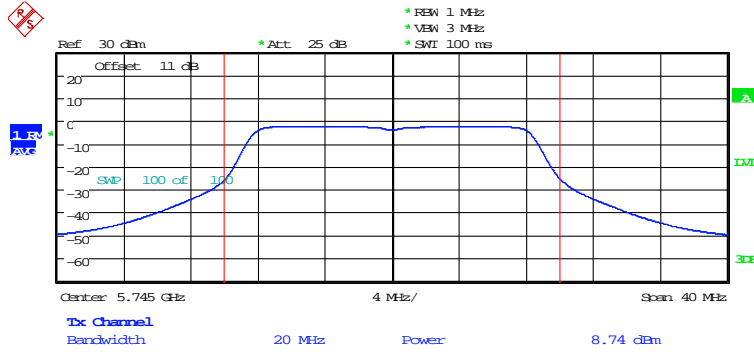


Worldwide Testing Services(Taiwan) Co., Ltd.

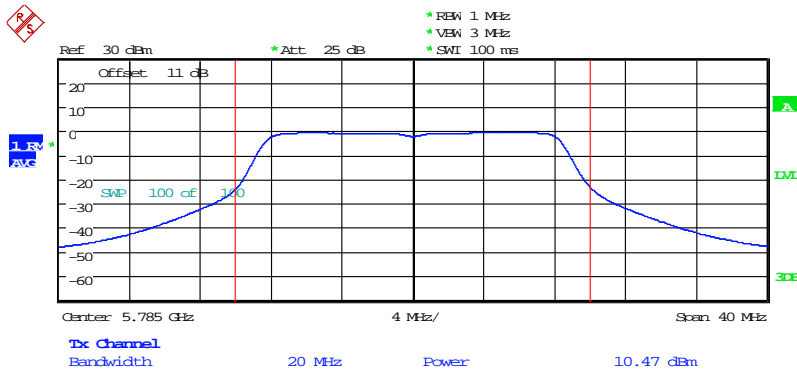
Registration number: W6M22403-23316-C-2

FCC ID: RPV-AWM5820

5.725 GHz ~ 5.85 GHz



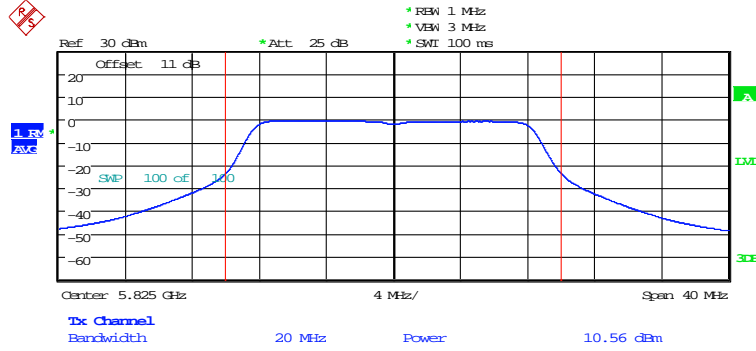
MAXIMUM CONDUCTED POWER ANT2_11aCH149
Date: 9.APR.2024 10:41:59



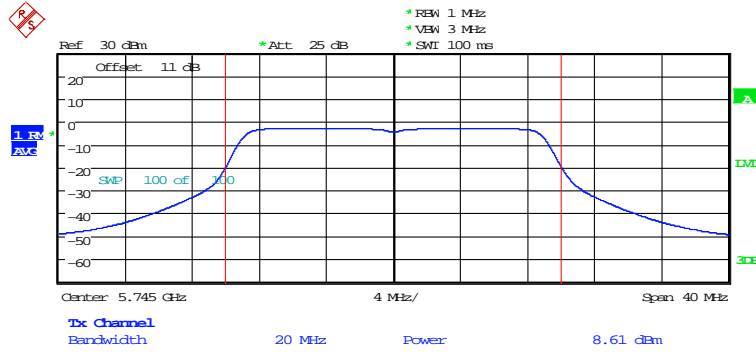
MAXIMUM CONDUCTED POWER ANT2_11aCH157
Date: 9.APR.2024 10:43:20



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



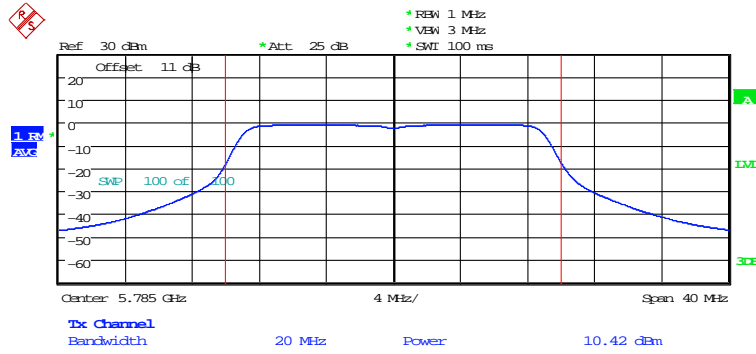
MAXIMUM CONDUCTED POWER ANT2_11aCH165
Date: 9.APR.2024 10:44:42



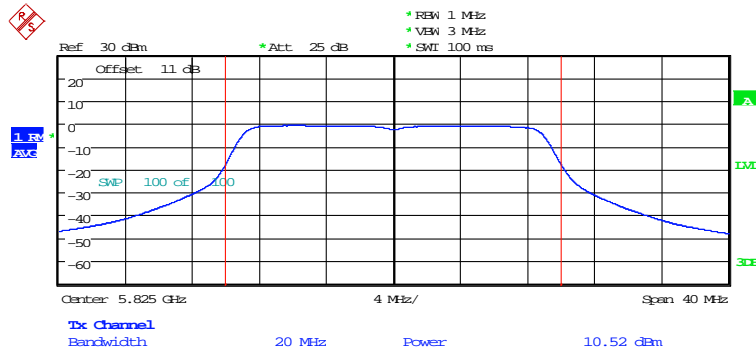
MAXIMUM CONDUCTED POWER ANT2_11n20CH149
Date: 9.APR.2024 10:37:54



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



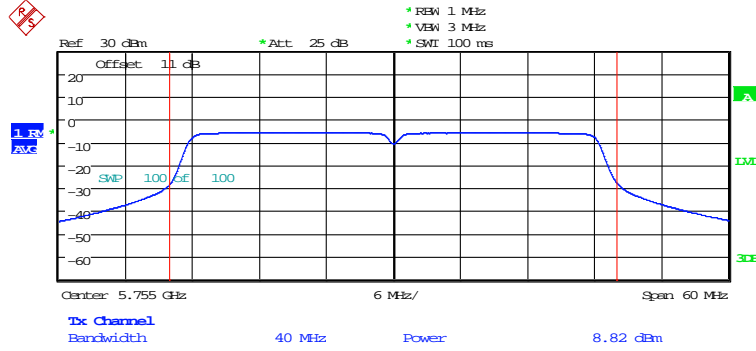
MAXIMUM CONDUCTED POWER ANT2_11n20CH157
Date: 9.APR.2024 10:39:16



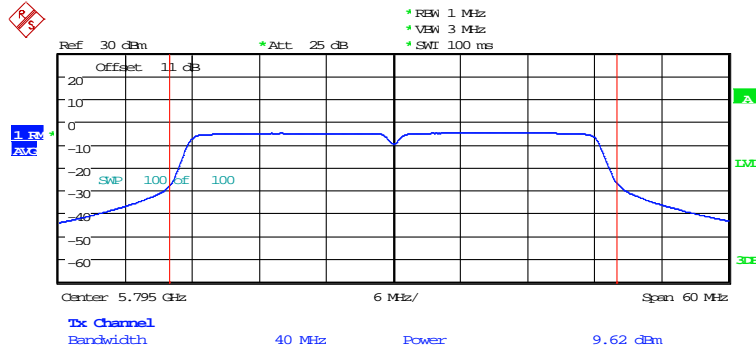
MAXIMUM CONDUCTED POWER ANT2_11n20CH165
Date: 9.APR.2024 10:40:37



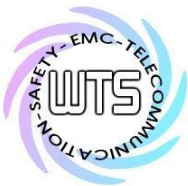
Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



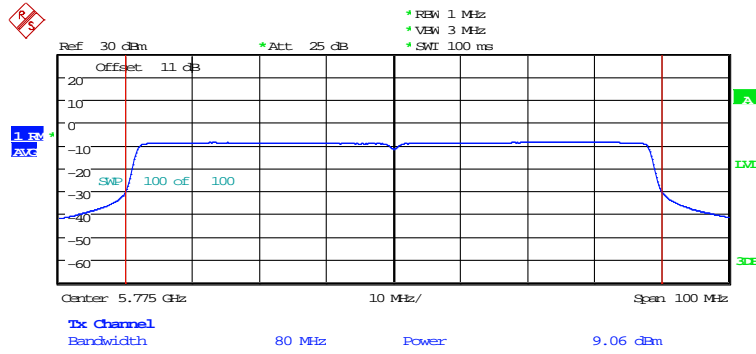
MAXIMUM CONDUCTED POWER ANT2_11n40CH151
 Date: 9.APR.2024 10:34:50



MAXIMUM CONDUCTED POWER ANT2_11n40CH159
 Date: 9.APR.2024 10:36:05



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



MAXIMUM CONDUCTED POWER ANT2_11ac80CH155
Date: 9.APR.2024 10:32:48



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

3.2 26dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

Result:

Test date: April 09, 2024

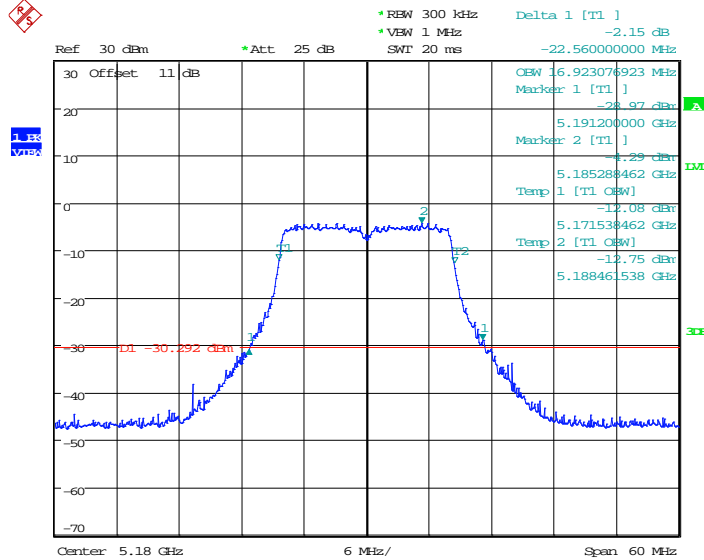
Temperature: 26.2°C

Humidity: 60.0%

Tester: Ken

ANT 1

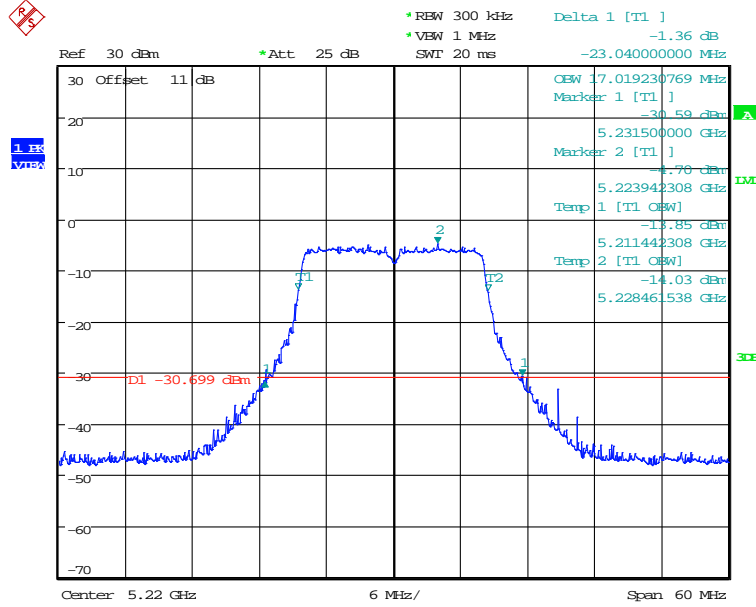
5.15 GHz ~ 5.25 GHz



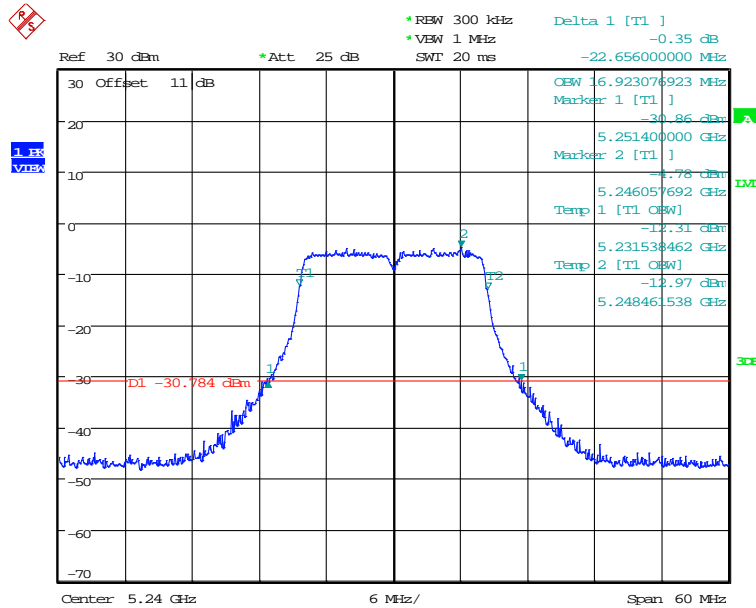
99% OBW & 26DB BANDWIDTH ANT1_11a_CH36
Date: 9.APR.2024 09:33:17



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



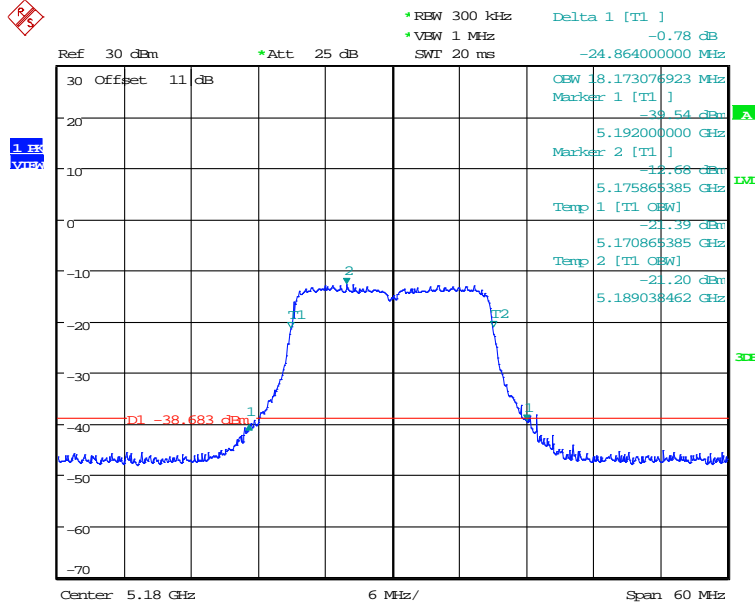
99% OBW & 26DB BANDWIDTH ANTI_11a_CH44
 Date: 9.APR.2024 09:34:40



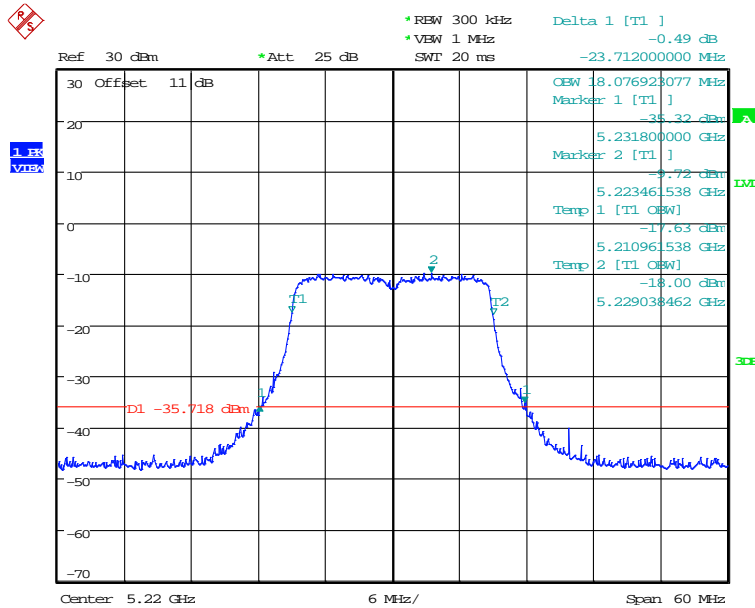
99% OBW & 26DB BANDWIDTH ANTI_11a_CH48
 Date: 9.APR.2024 09:35:51



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



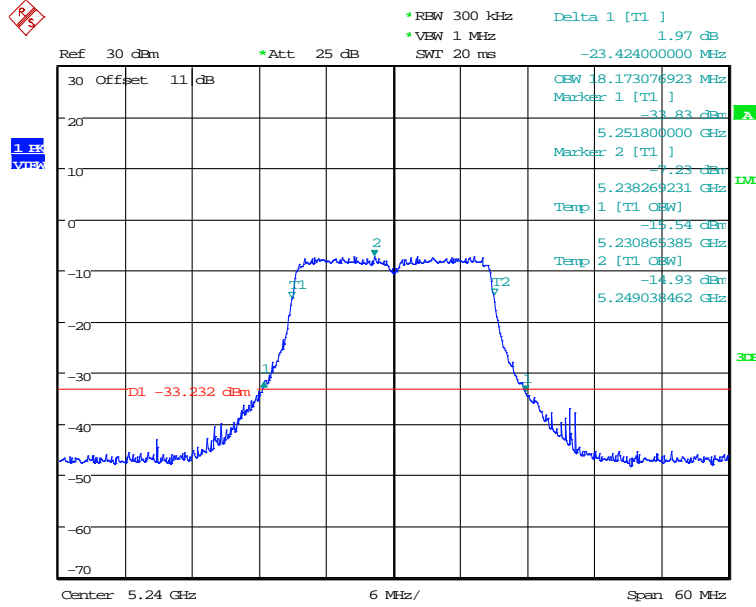
99% OBW & 26DB BANDWIDTH ANTI_11n20_CH36
 Date: 9.APR.2024 09:54:33



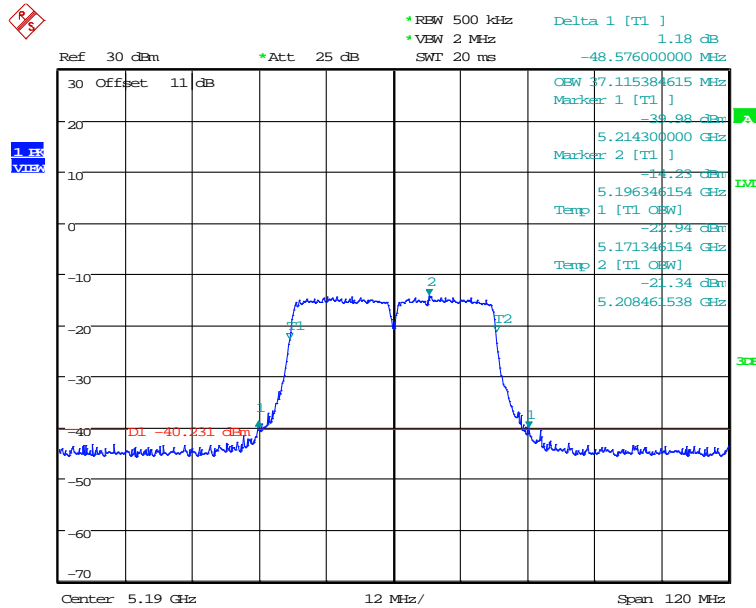
99% OBW & 26DB BANDWIDTH ANTI_11n20_CH44
 Date: 9.APR.2024 09:55:50



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



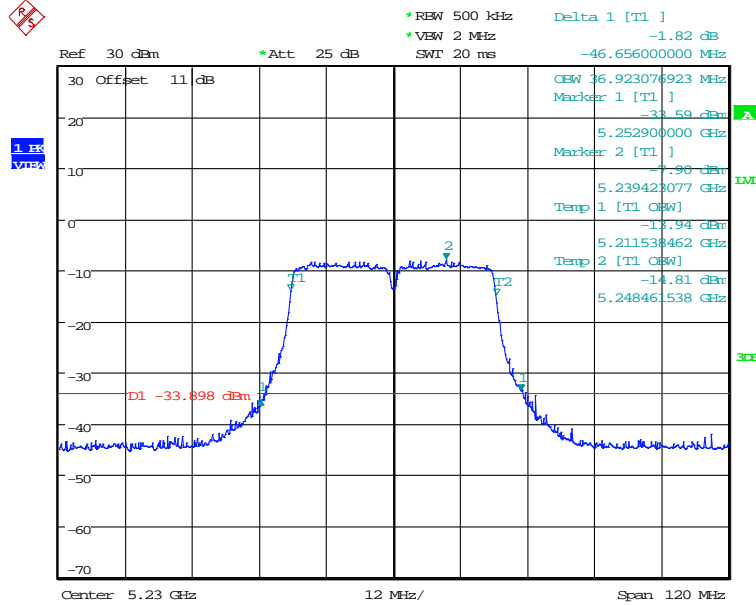
99% OBW & 26DB BANDWIDTH ANT1_11n20_CH48
 Date: 9.APR.2024 09:57:35



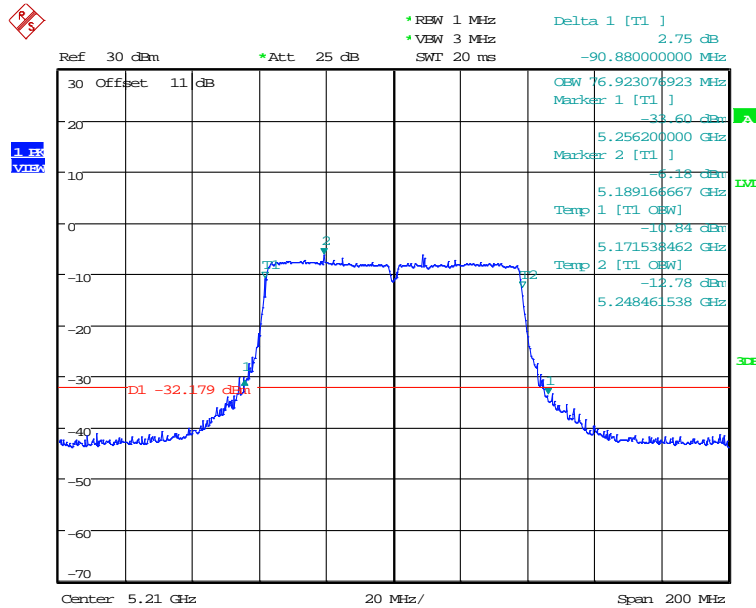
99% OBW & 26DB BANDWIDTH ANT1_11n40_CH38
 Date: 9.APR.2024 09:59:52



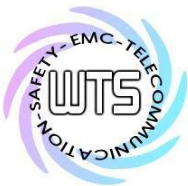
Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



99% OBW & 26DB BANDWIDTH ANTI_11n40_CH46
 Date: 9.APR.2024 10:01:31



99% OBW & 26DB BANDWIDTH ANTI_11ac80_CH42
 Date: 9.APR.2024 10:05:11



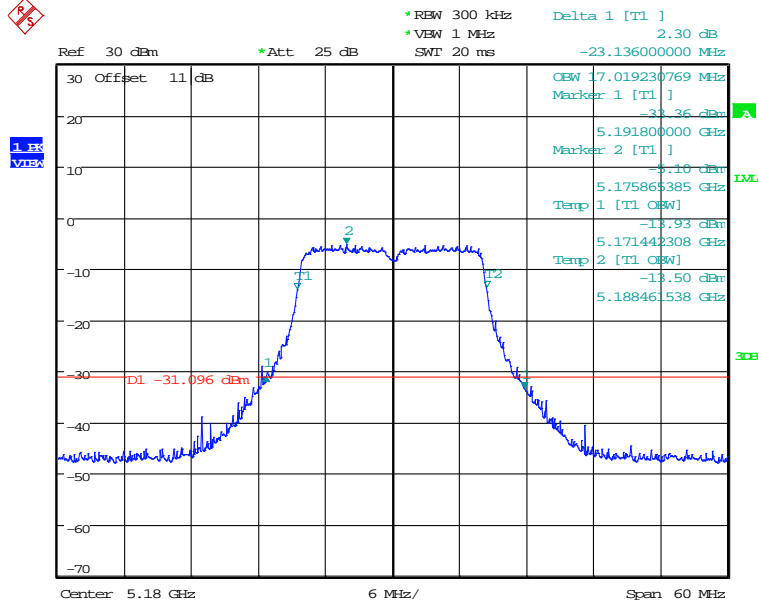
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22403-23316-C-2

FCC ID: RPV-AWM5820

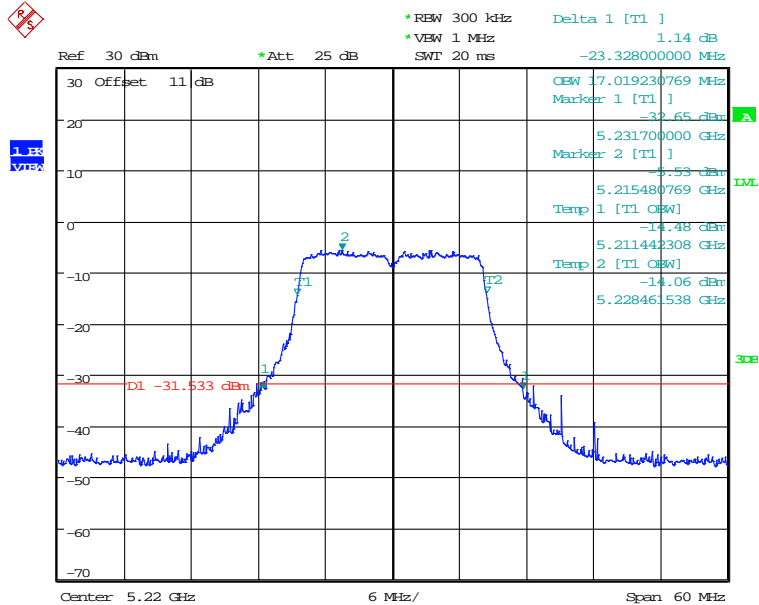
ANT 2

5.15 GHz ~ 5.25 GHz



99% OBW & 26DB BANDWIDTH ANT2_11a_CH36

Date: 9.APR.2024 10:49:05

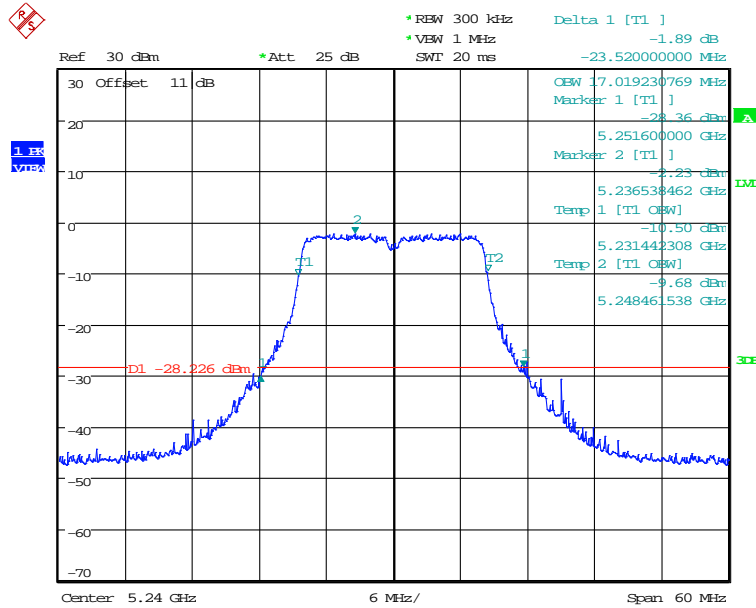


99% OBW & 26DB BANDWIDTH ANT2_11a_CH44

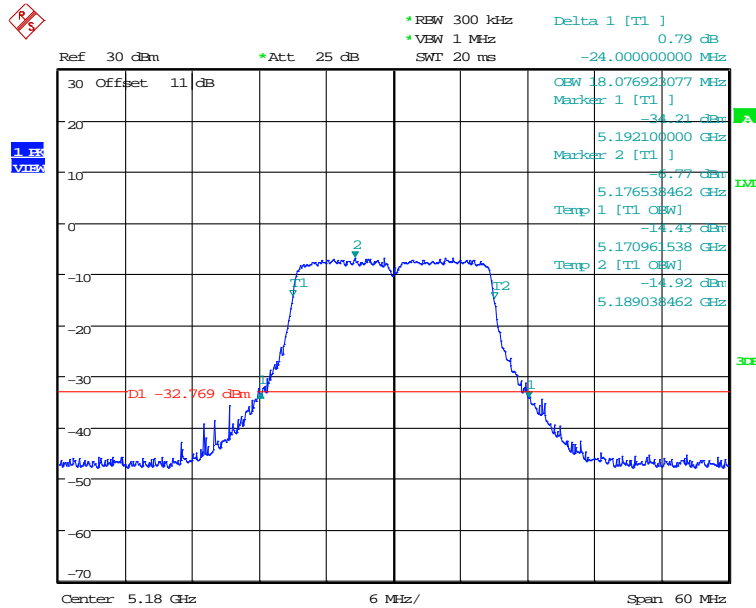
Date: 9.APR.2024 10:50:33



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



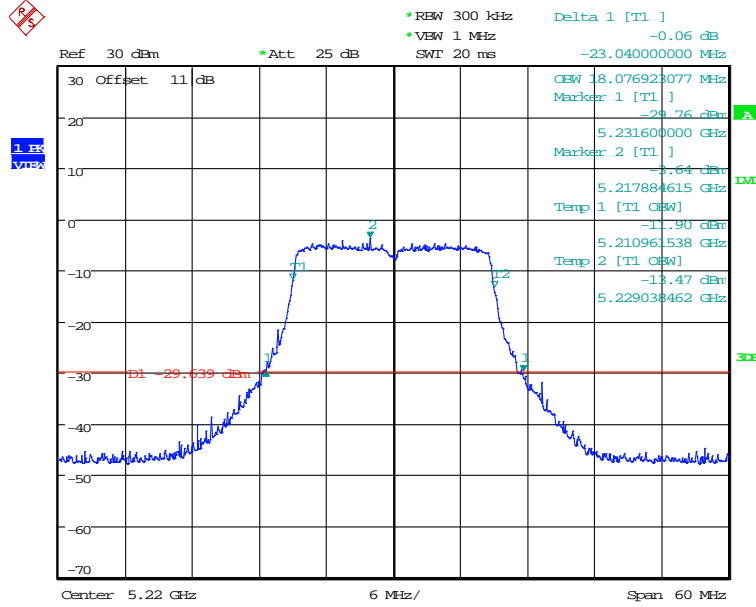
99% OBW & 26DB BANDWIDTH ANT2_11a_CH48
 Date: 9.APR.2024 10:52:01



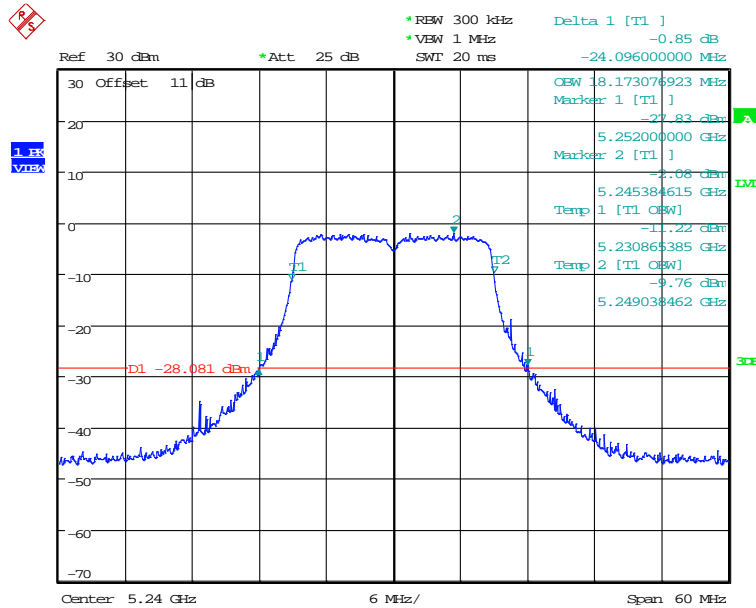
99% OBW & 26DB BANDWIDTH ANT2_11n20_CH36
 Date: 9.APR.2024 10:53:40



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



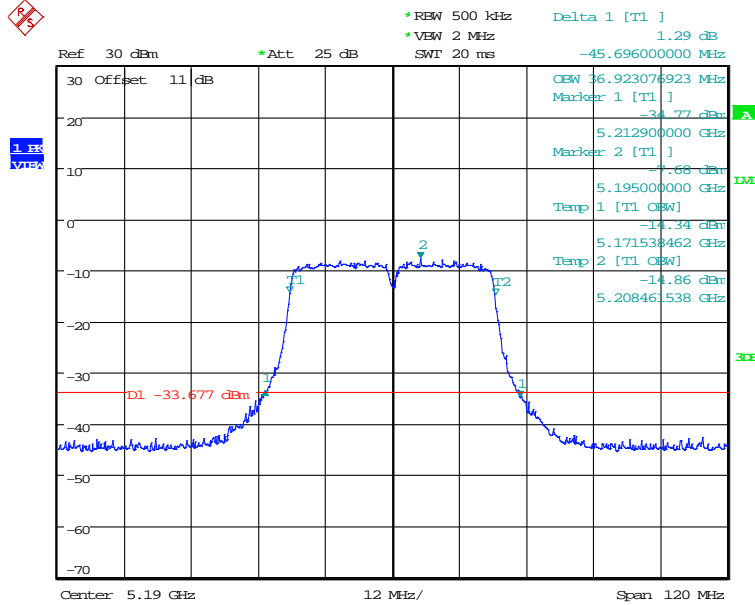
99% OBW & 26DB BANDWIDTH ANT2_11n20_CH44
 Date: 9.APR.2024 10:55:03



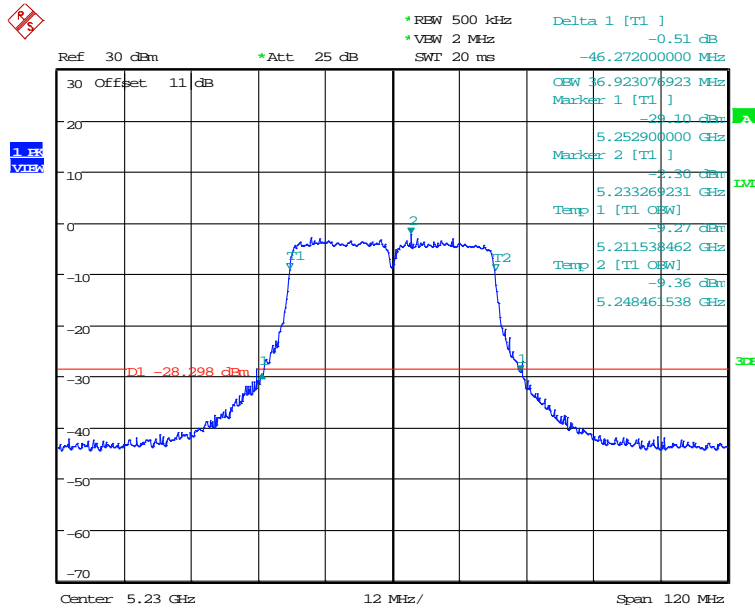
99% OBW & 26DB BANDWIDTH ANT2_11n20_CH48
 Date: 9.APR.2024 10:56:25



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



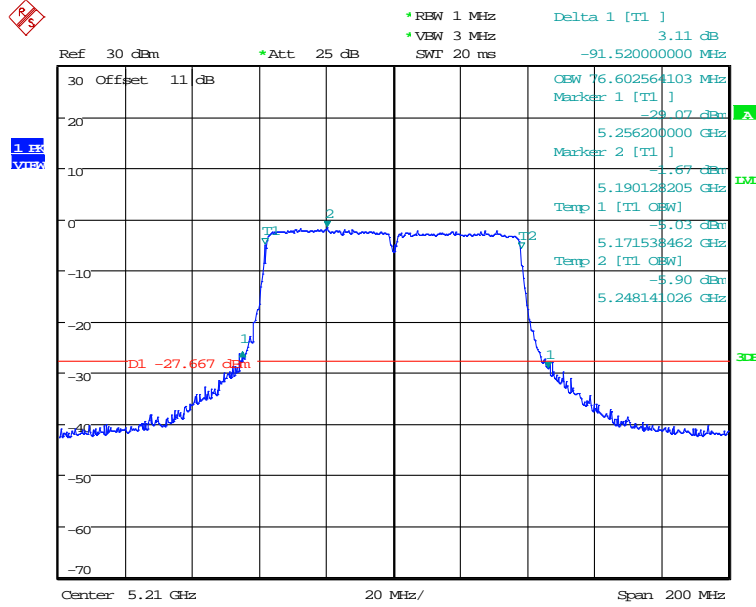
99% OBW & 26DB BANDWIDTH ANT2_11n40_CH38
 Date: 9.APR.2024 10:58:32



99% OBW & 26DB BANDWIDTH ANT2_11n40_CH46
 Date: 9.APR.2024 11:00:22



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



99% OBW & 26DB BANDWIDTH ANT2_11ac80_CH42
 Date: 9.APR.2024 11:02:39



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

3.3 6dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

Result:

Test date: April 09, 2024

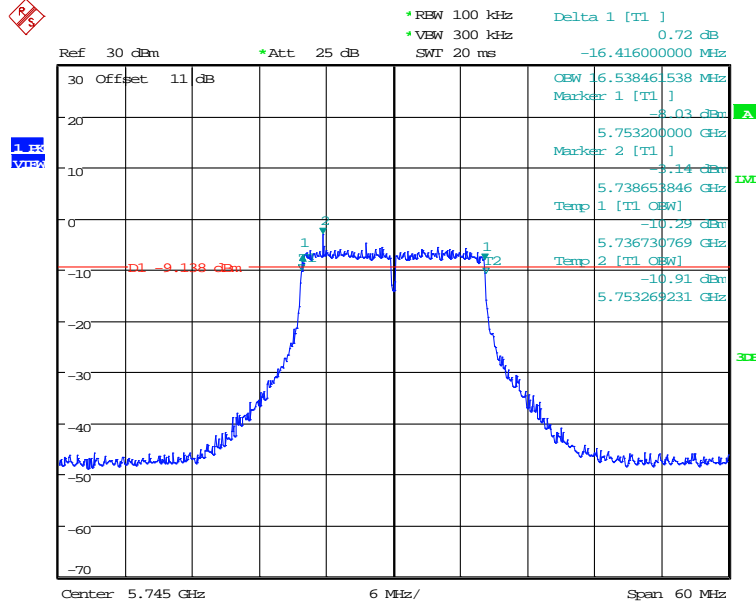
Temperature: 26.2°C

Humidity: 60.0%

Tester: Ken

ANT 1

5.725 GHz-5.85 GHz

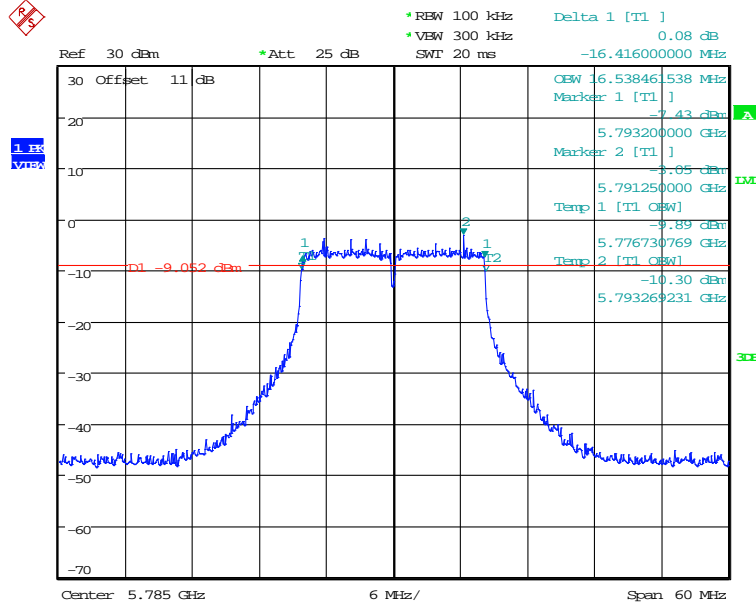


99% OBW & 6DB BANDWIDTH ANT1_11a_CH149

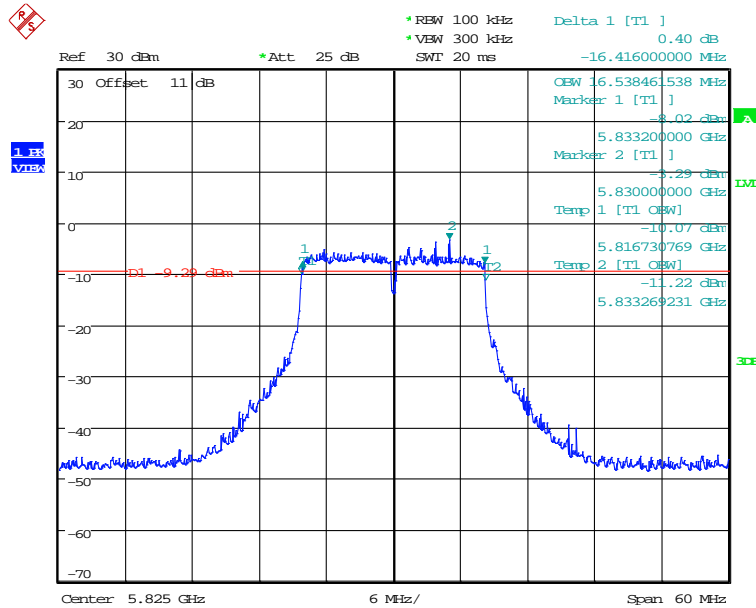
Date: 9.APR.2024 10:13:59



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



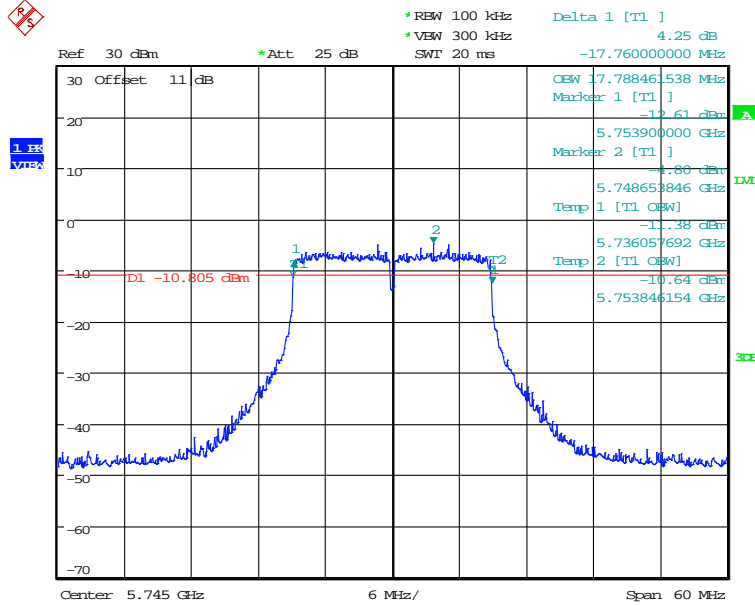
99% OBW & 6DB BANDWIDTH ANTI_11a_CH157
 Date: 9.APR.2024 10:15:33



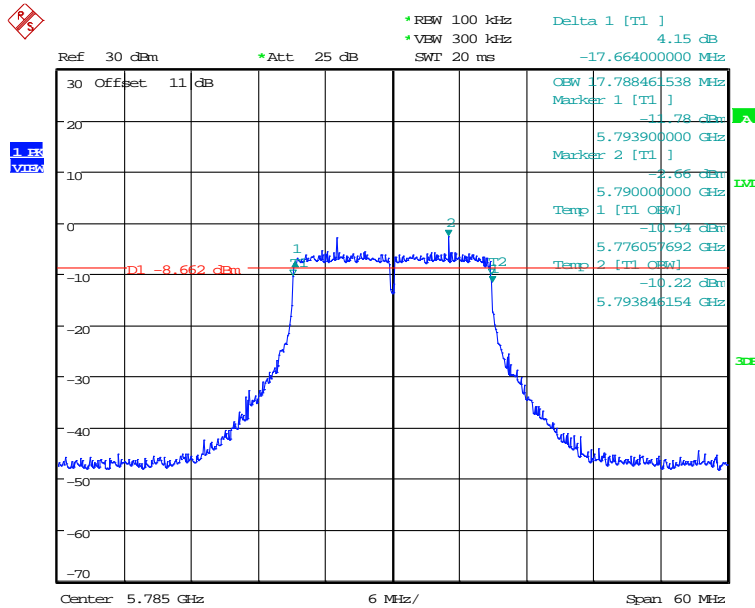
99% OBW & 6DB BANDWIDTH ANTI_11a_CH165
 Date: 9.APR.2024 10:16:44



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



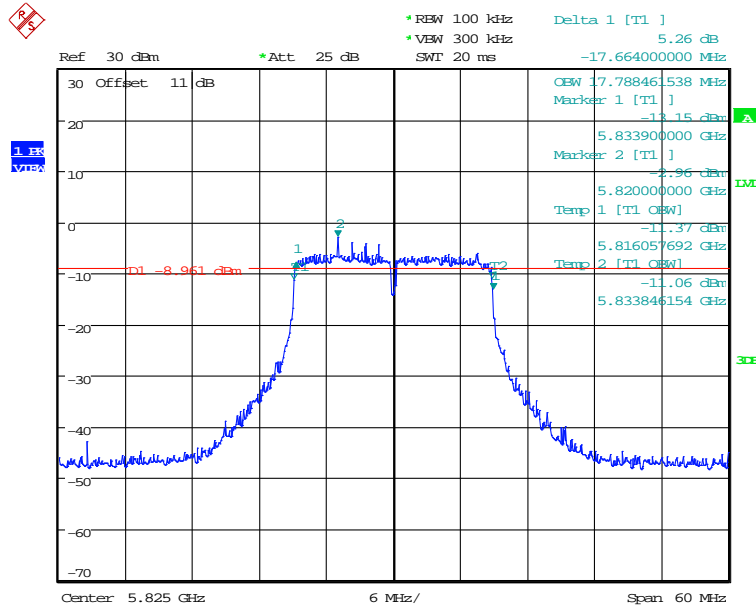
99% OBW & 6DB BANDWIDTH ANTI_11n20_CH149
 Date: 9.APR.2024 10:19:13



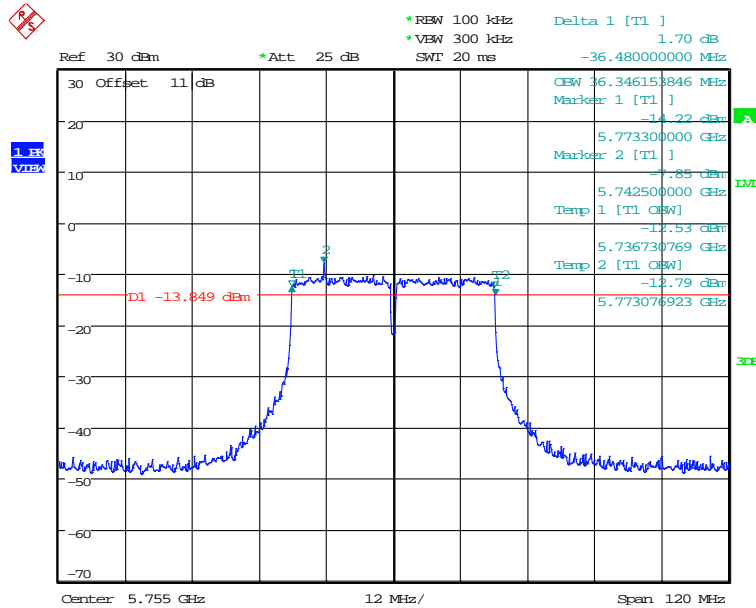
99% OBW & 6DB BANDWIDTH ANTI_11n20_CH157
 Date: 9.APR.2024 10:20:41



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



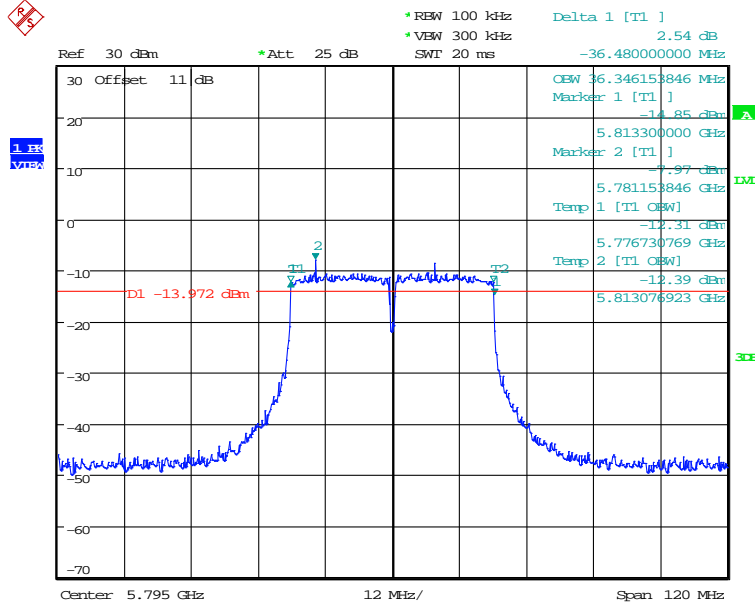
99% OBW & 6DB BANDWIDTH ANTI_11n20_CH165
 Date: 9.APR.2024 10:21:58



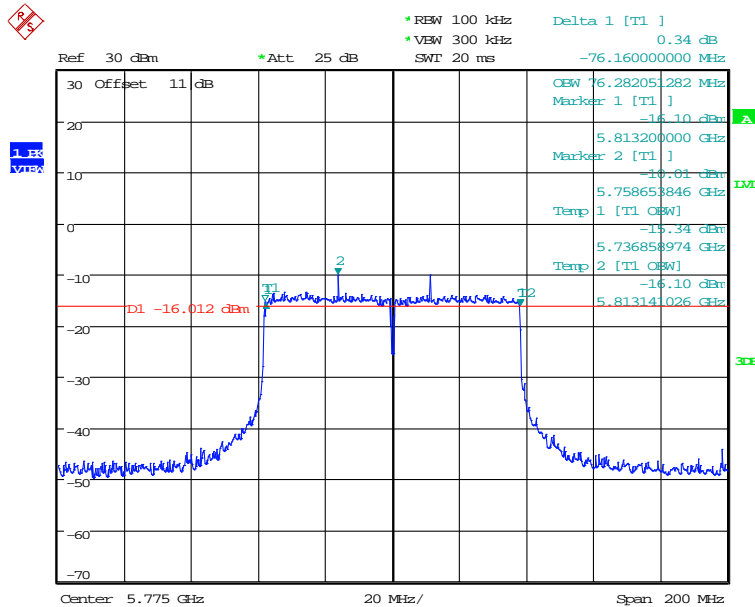
99% OBW & 6DB BANDWIDTH ANTI_11n40_CH151
 Date: 9.APR.2024 10:24:04



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



99% OBW & 6DB BANDWIDTH ANT1_11n40_CH159
 Date: 9.APR.2024 10:26:27

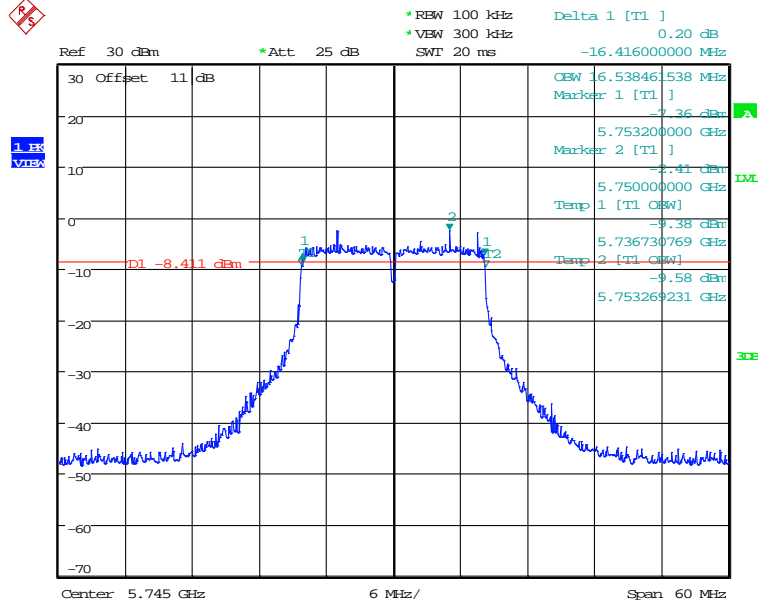


99% OBW & 6DB BANDWIDTH ANT1_11ac80_CH155
 Date: 9.APR.2024 10:28:56

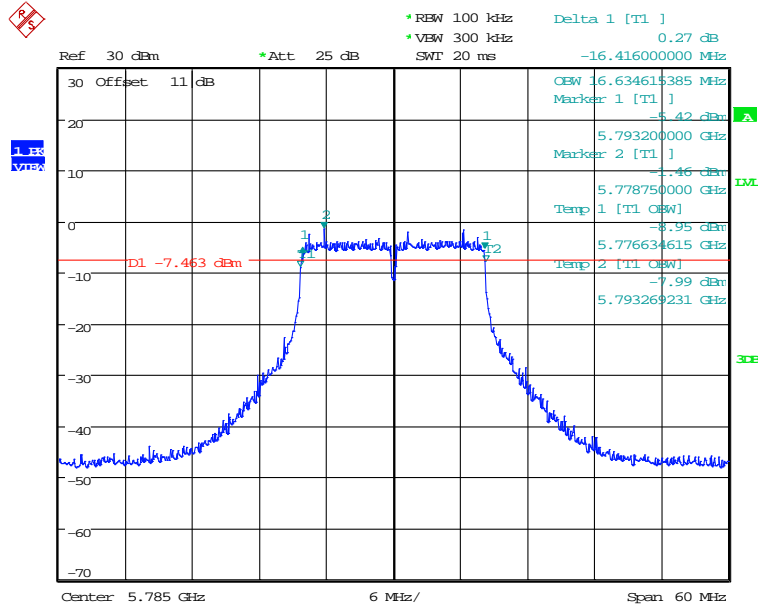


Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

ANT 2
 5.725 GHz-5.85 GHz



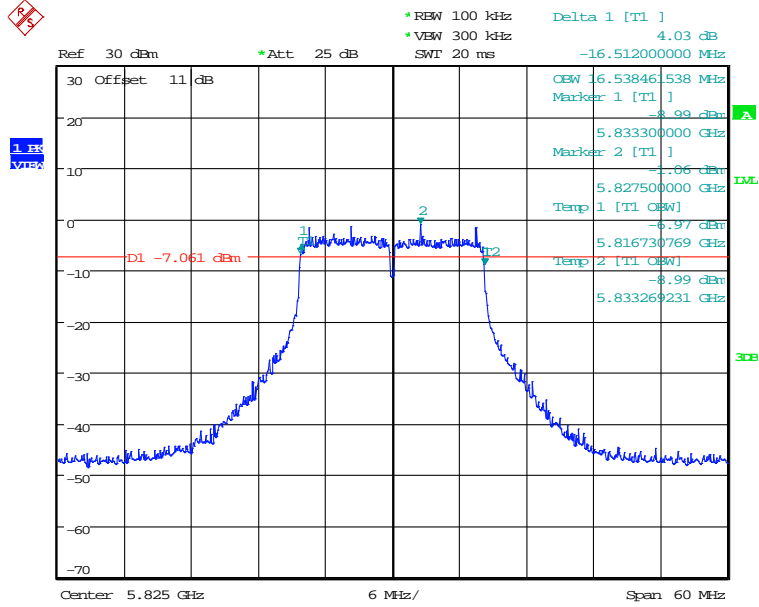
99% OBW & 6DB BANDWIDTH ANT2_11a_CH149
 Date: 9.APR.2024 10:42:40



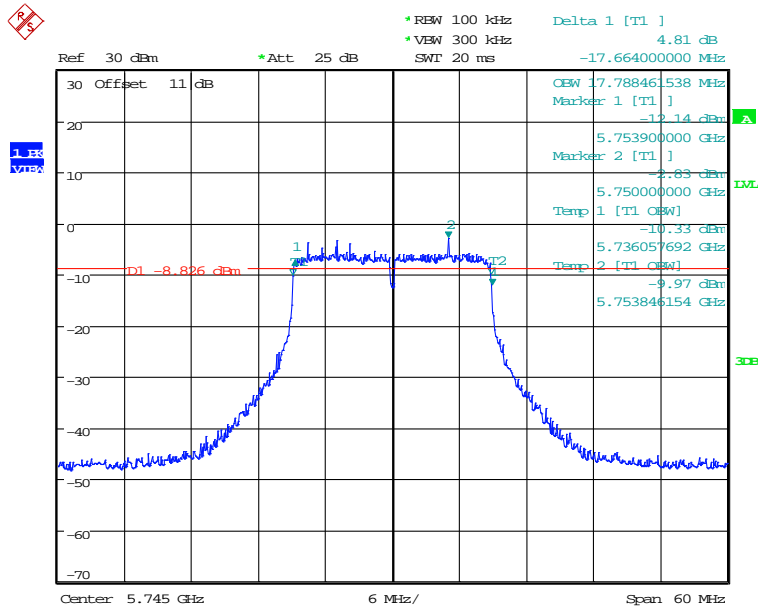
99% OBW & 6DB BANDWIDTH ANT2_11a_CH157
 Date: 9.APR.2024 10:44:03



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



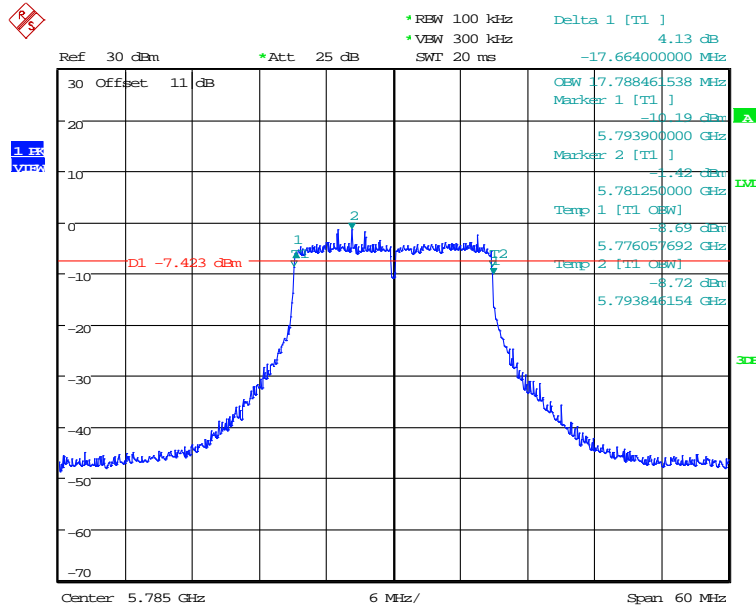
99% OBW & 6DB BANDWIDTH ANT2_11a_CH165
Date: 9.APR.2024 10:45:20



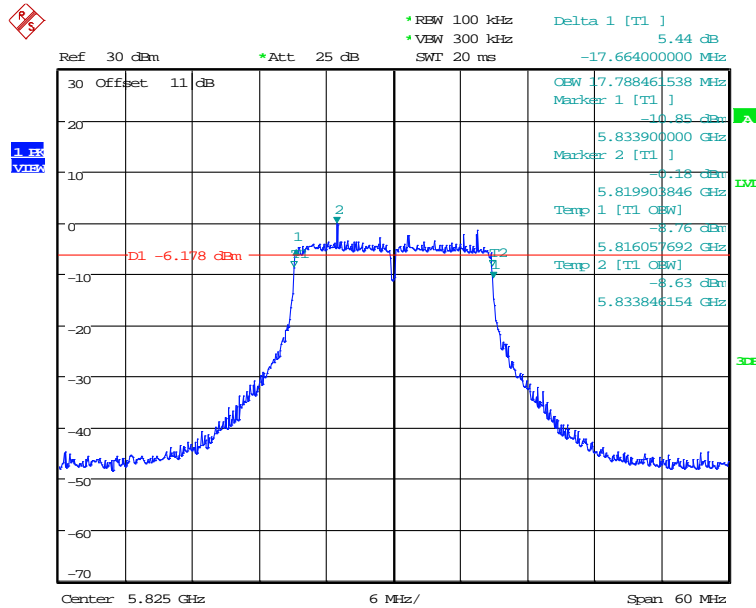
99% OBW & 6DB BANDWIDTH ANT2_11n20_CH149
Date: 9.APR.2024 10:38:33



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



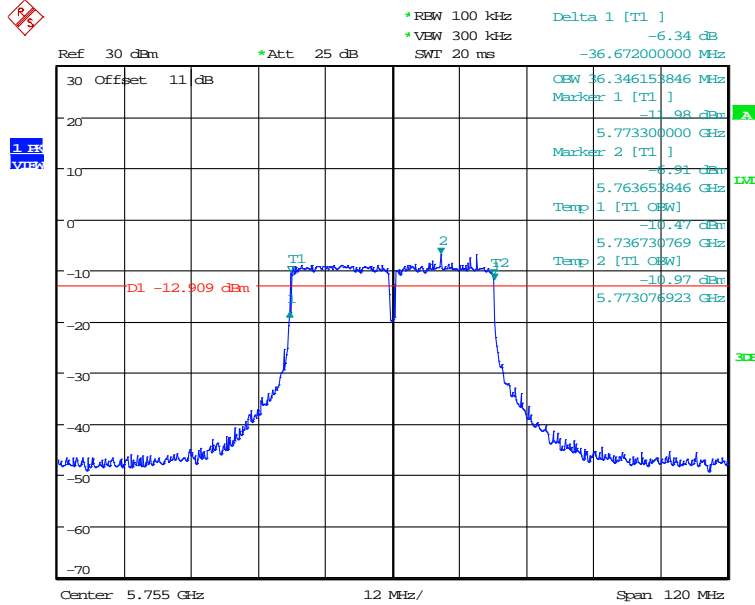
99% OBW & 6DB BANDWIDTH ANT2_11n20_CH157
 Date: 9.APR.2024 10:40:01



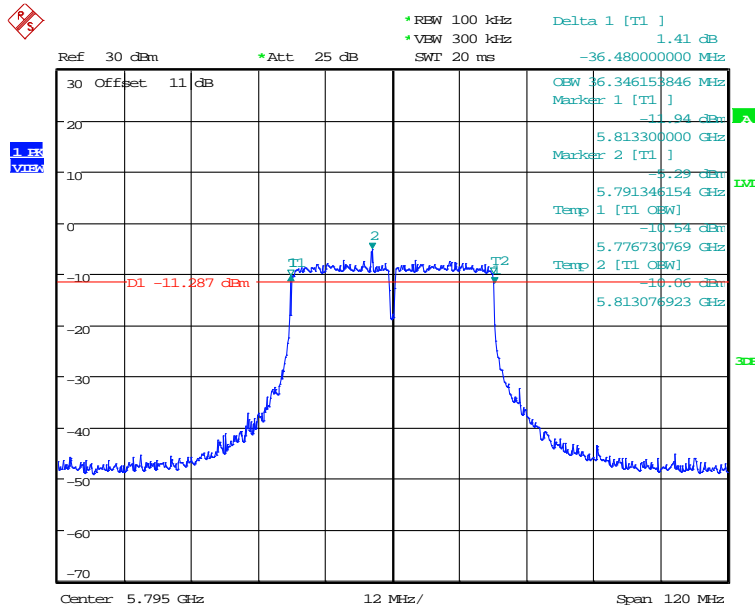
99% OBW & 6DB BANDWIDTH ANT2_11n20_CH165
 Date: 9.APR.2024 10:41:13



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



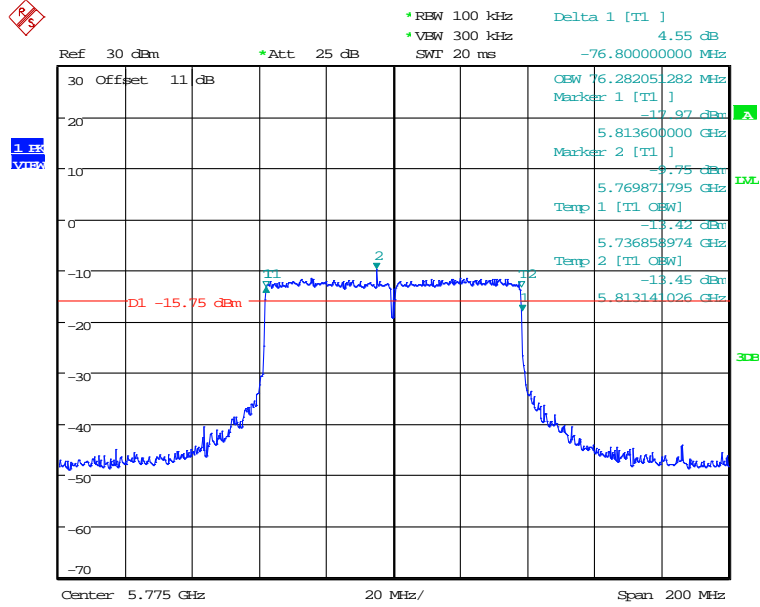
99% OBW & 6DB BANDWIDTH ANT2_11n40_CH151
 Date: 9.APR.2024 10:35:32



99% OBW & 6DB BANDWIDTH ANT2_11n40_CH159
 Date: 9.APR.2024 10:36:43



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820



99% OBW & 6DB BANDWIDTH ANT2_11ac80_CH155
 Date: 9.APR.2024 10:33:31



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

3.4 Peak Power Spectral Density, FCC 15.407 (a)

According to §15.407(a)

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm/MHz for master device and 11 dBm/MHz for mobile/portable client device.

For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the peak power spectral density shall not exceed 11 dBm/MHz.

For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm/500kHz.

Test date: April 09, 2024

Temperature: 26.2°C

Humidity: 60.0%

Tester: Ken

Band	Mode	Channel	Conducted power with DF		Combine (dBm/MHz)	DF (dB)	Limit (dBm/MHz)
			Antenna 1 (dBm/MHz)	Antenna 2 (dBm/MHz)			
NII-1	802.11a	Ch 36 : 5180 MHz	-7.66	-8.51	-	0.00	8.99
		Ch 44 : 5220 MHz	-8.14	-8.74	-	0.00	8.99
		Ch 48 : 5240 MHz	-8.26	-5.23	-	0.00	8.99
	802.11n 20MHz	Ch 36 : 5180 MHz	-16.34	-10.08	-9.16	0.00	8.99
		Ch 44 : 5220 MHz	-13.20	-7.72	-6.64	0.00	8.99
		Ch 48 : 5240 MHz	-10.51	-5.38	-4.22	0.00	8.99
	802.11n 40 MHz	Ch 38 : 5190 MHz	-19.54	-13.50	-12.53	0.00	8.99
		Ch 46 : 5230 MHz	-13.63	-8.51	-7.35	0.00	8.99
	802.11ac 80 MHz	Ch 42 : 5210 MHz	-16.43	-10.89	-9.82	0.01	8.99
NII-3	802.11a	Ch 149 : 5745 MHz	-6.18	-5.60	-	0.00	27.42
		Ch 157 : 5785 MHz	-5.91	-4.32	-	0.00	27.42
		Ch 165 : 5825 MHz	-6.14	-3.64	-	0.00	27.42
	802.11n 20 MHz	Ch 149 : 5745 MHz	-6.52	-6.02	-3.25	0.00	27.42
		Ch 157 : 5785 MHz	-6.21	-4.20	-2.08	0.00	27.42
		Ch 165 : 5825 MHz	-6.50	-3.98	-2.05	0.00	27.42
	802.11n 40 MHz	Ch 151 : 5755 MHz	-10.76	-8.91	-6.73	0.00	27.42
		Ch 159 : 5795 MHz	-10.72	-8.06	-6.18	0.00	27.42
	802.11ac 80 MHz	Ch 155: 5775 MHz	-13.99	-11.75	-9.72	0.01	27.42
Note : NII-3 Limit is dBm/500kHz							

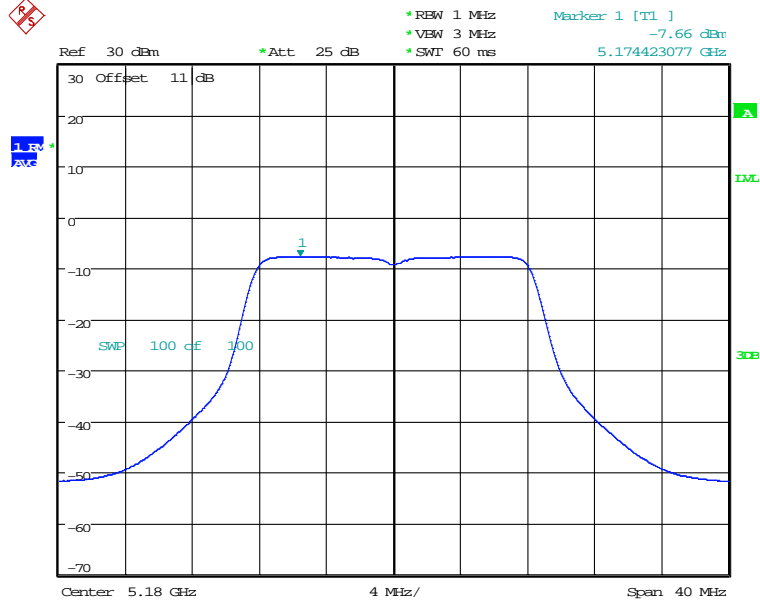


Registration number: W6M22403-23316-C-2

FCC ID: RPV-AWM5820

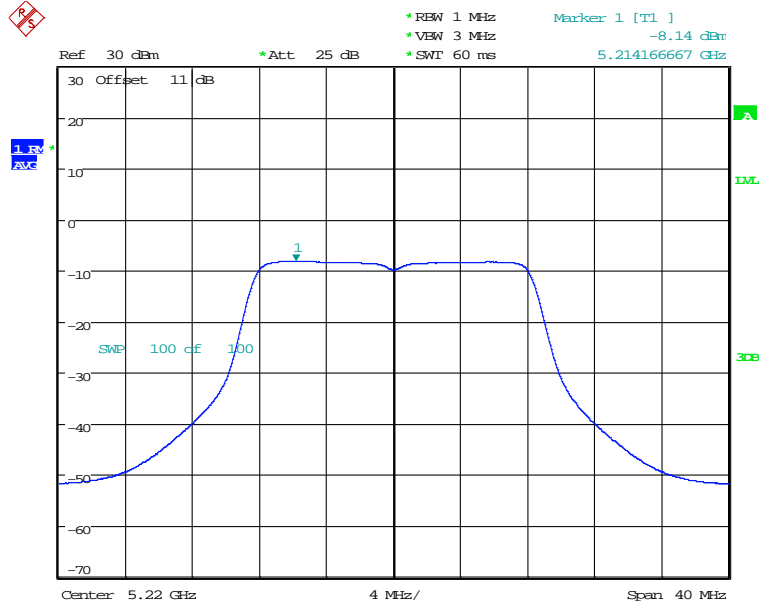
ANT 1

5.15 GHz ~ 5.25 GHz



POWER DENSITY AV ANT111aCH36

Date: 9.APR.2024 09:33:02

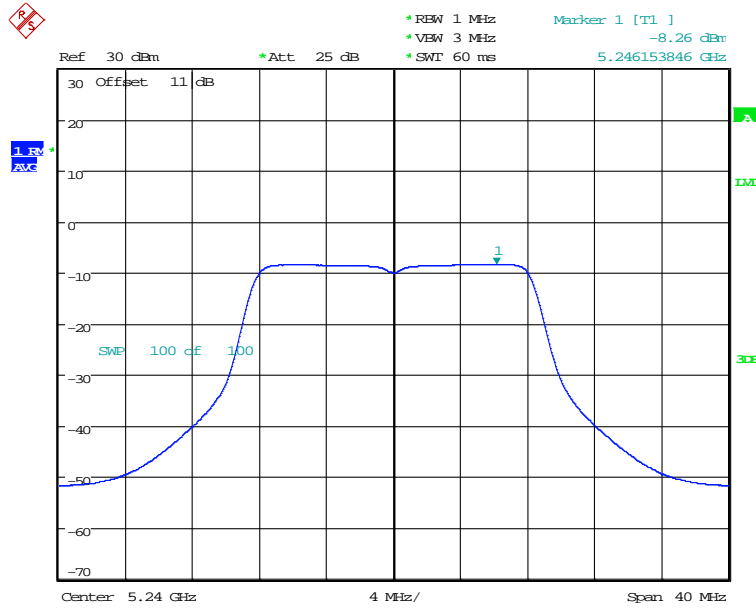


POWER DENSITY AV ANT111aCH44

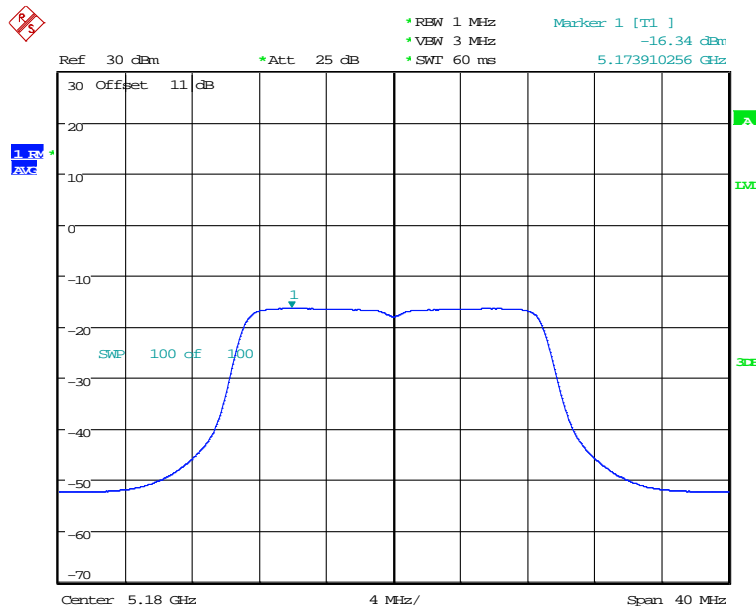
Date: 9.APR.2024 09:34:26



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



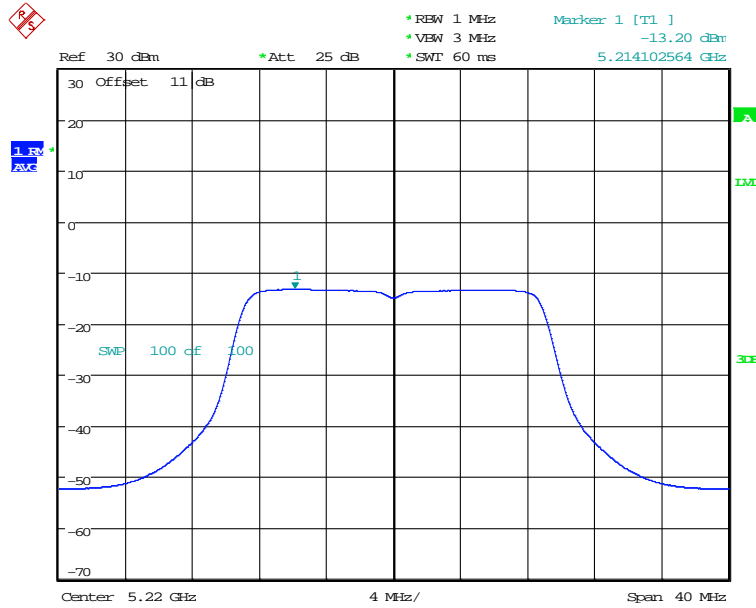
POWER DENSITY AV ANT111aCH48
Date: 9.APR.2024 09:35:38



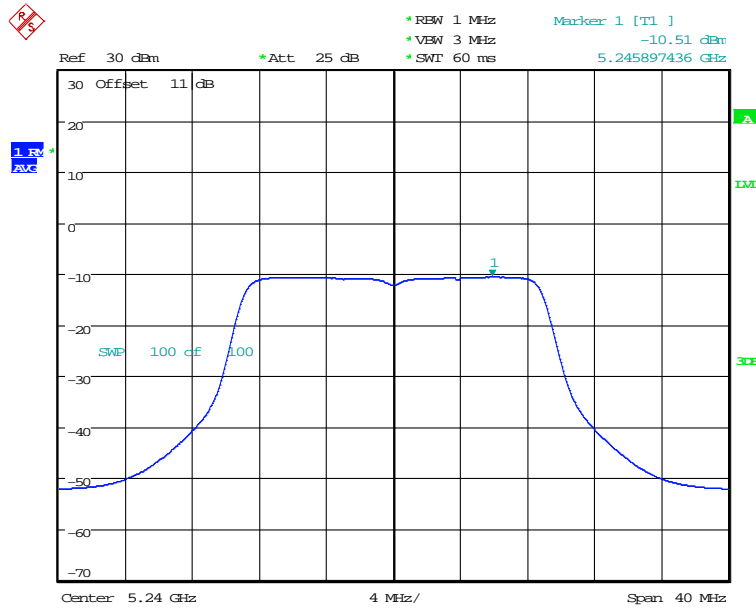
POWER DENSITY AV ANT111n20CH36
Date: 9.APR.2024 09:54:16



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



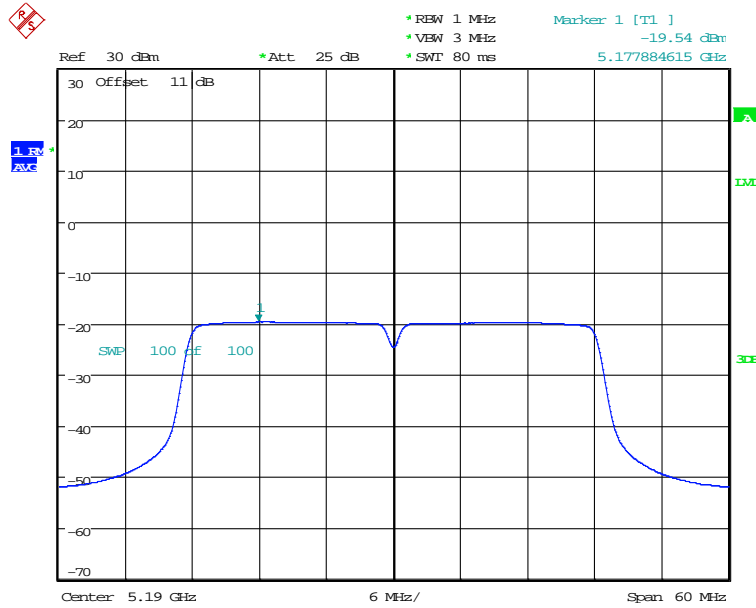
POWER DENSITY AV ANT111n20CH44
Date: 9.APR.2024 09:55:34



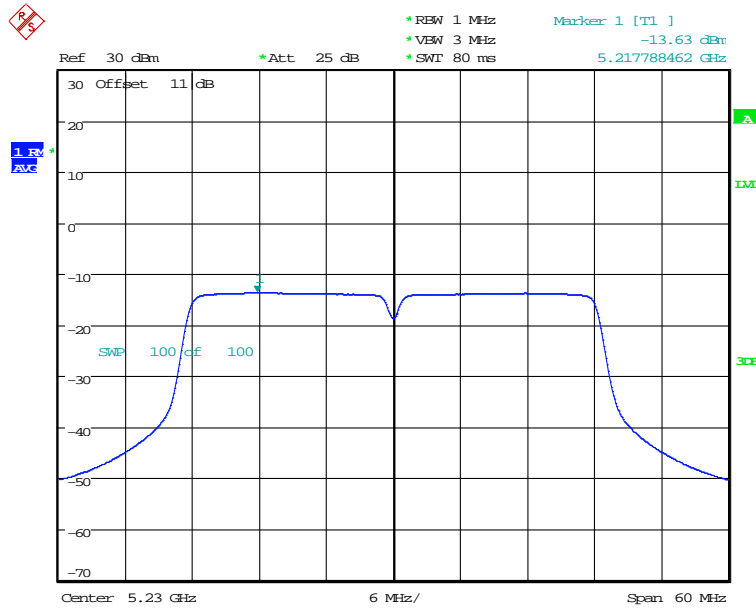
POWER DENSITY AV ANT111n20CH48
Date: 9.APR.2024 09:57:18



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



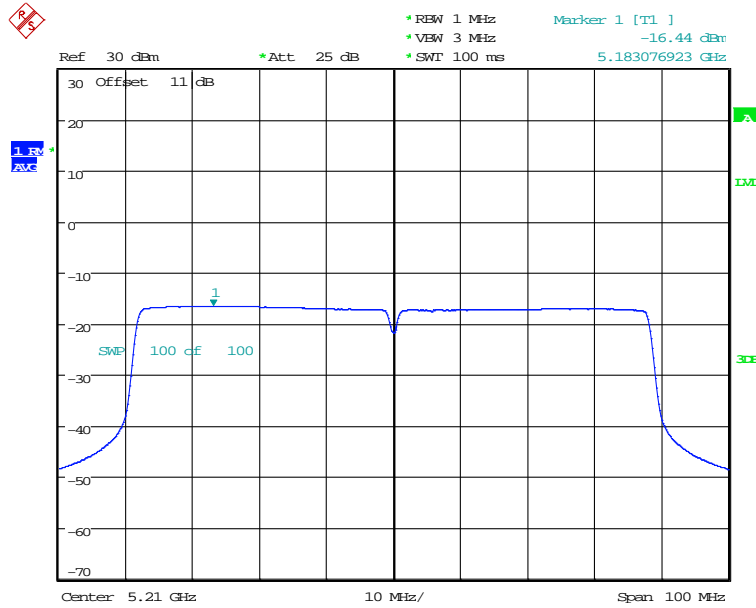
POWER DENSITY AV ANT111n40CH38
Date: 9.APR.2024 09:59:36



POWER DENSITY AV ANT111n40CH46
Date: 9.APR.2024 10:01:13

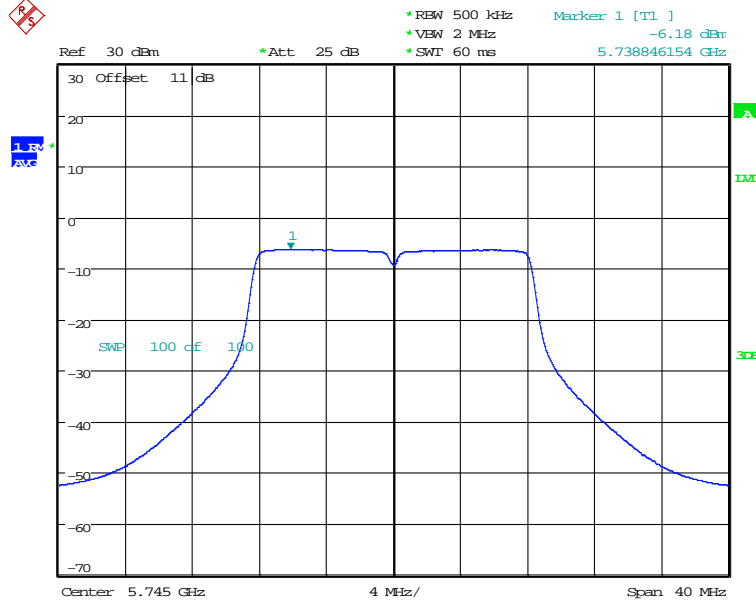


Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



POWER DENSITY AV ANT111ac80CH42
Date: 9.APR.2024 10:04:54

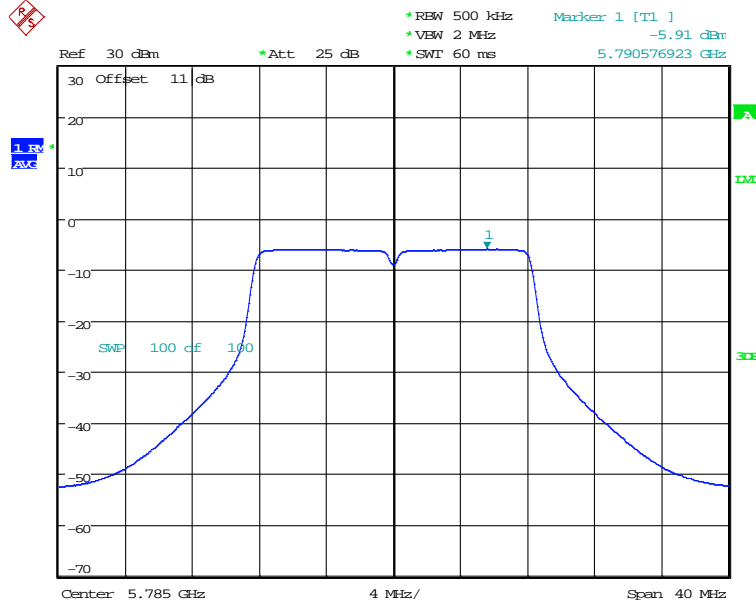
5.725 GHz ~ 5.85 GHz



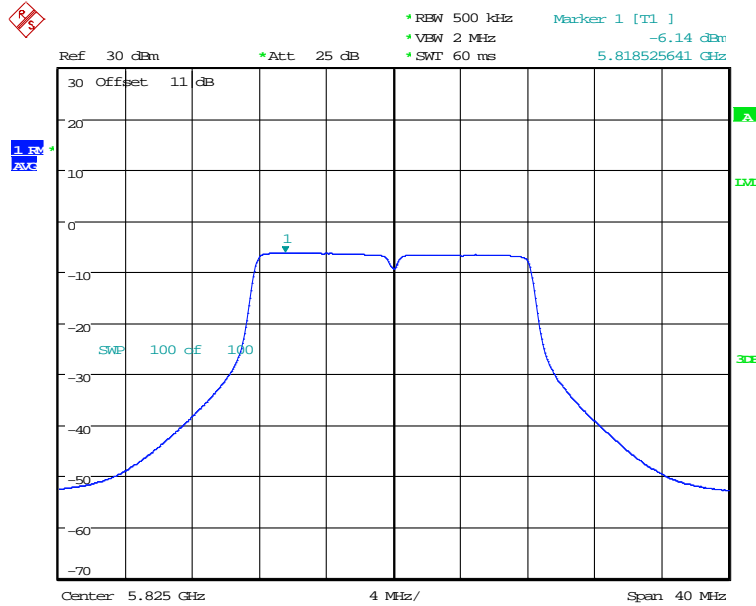
POWER DENSITY AV ANT111acH149
Date: 9.APR.2024 10:13:46



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



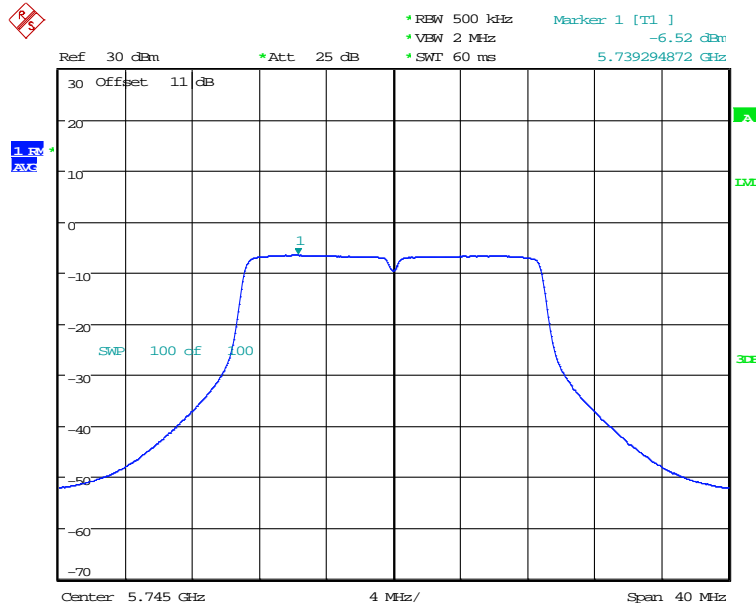
POWER DENSITY AV ANT111aCH157
Date: 9.APR.2024 10:15:17



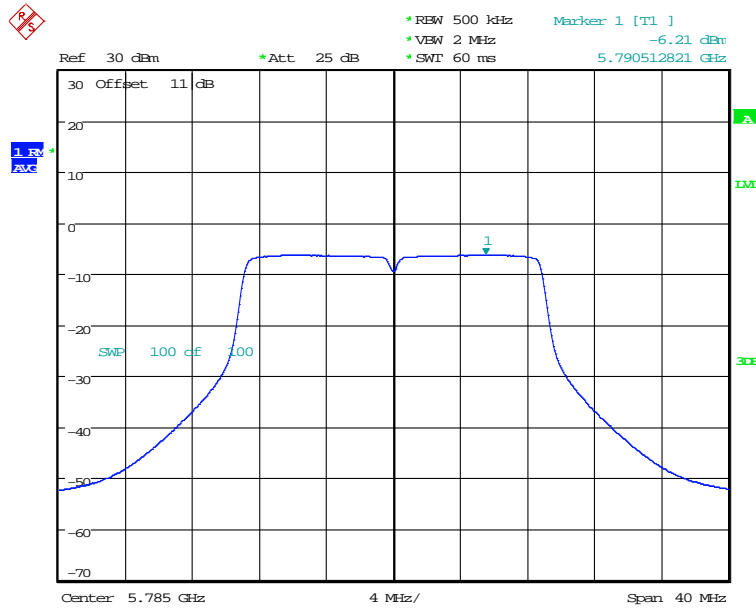
POWER DENSITY AV ANT111aCH165
Date: 9.APR.2024 10:16:28



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



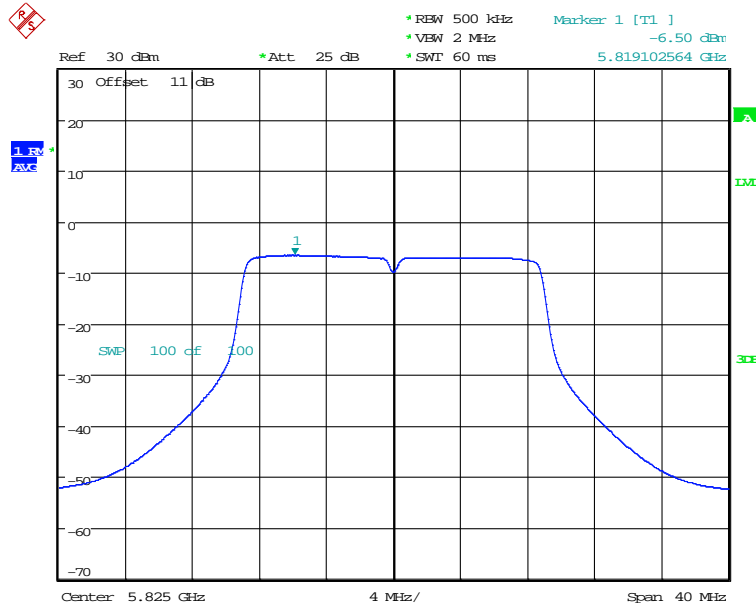
POWER DENSITY AV ANT111n20CH149
Date: 9.APR.2024 10:18:58



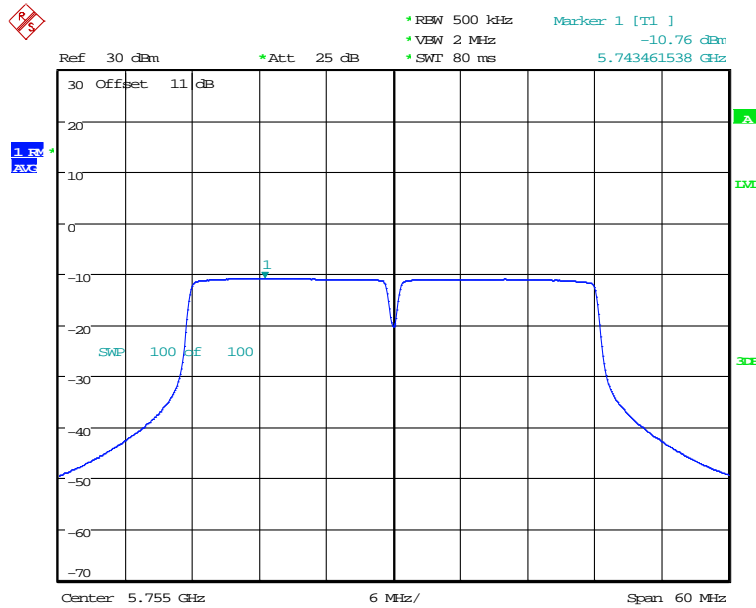
POWER DENSITY AV ANT111n20CH157
Date: 9.APR.2024 10:20:22



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



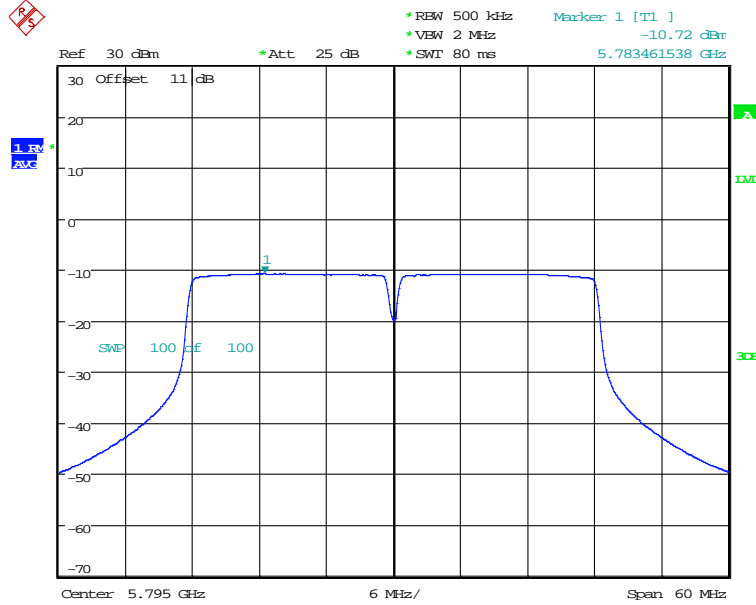
POWER DENSITY AV ANT111n20CH165
Date: 9.APR.2024 10:21:40



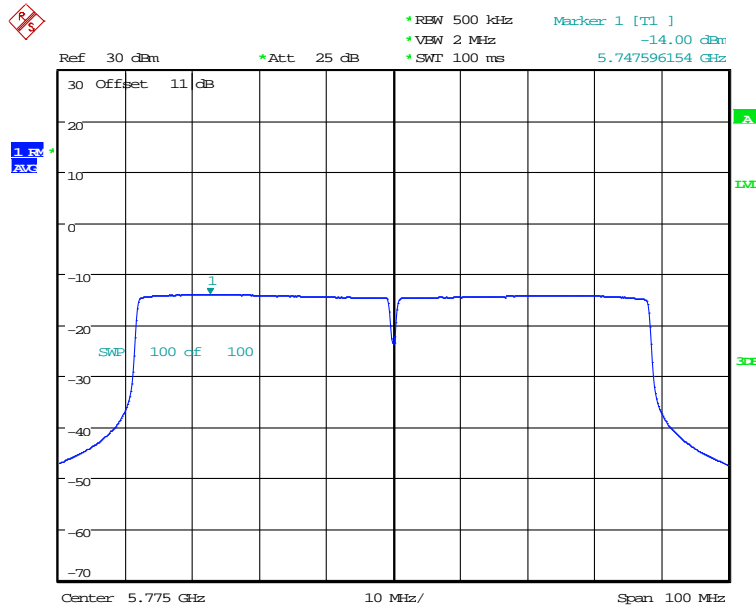
POWER DENSITY AV ANT111n40CH151
Date: 9.APR.2024 10:23:43



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



POWER DENSITY AV ANT111n40CH159
Date: 9.APR.2024 10:26:13



POWER DENSITY AV ANT111ac80CH155
Date: 9.APR.2024 10:28:42

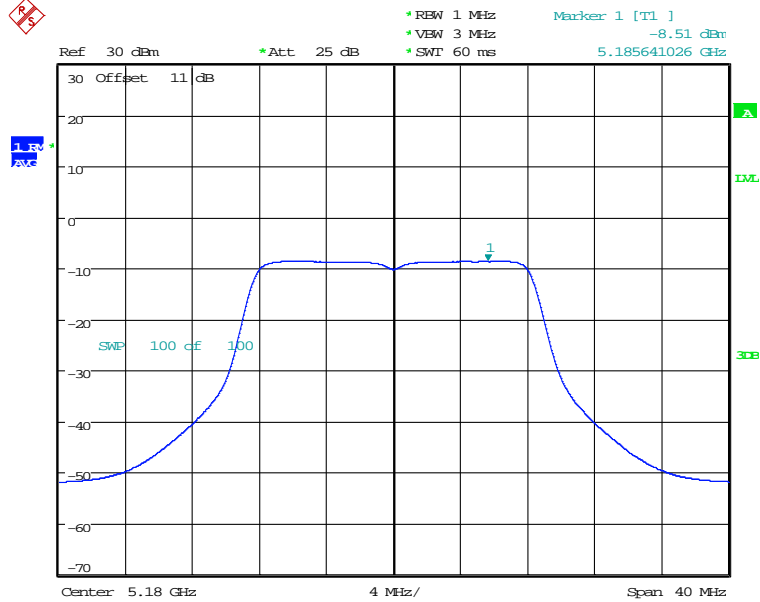


Registration number: W6M22403-23316-C-2

FCC ID: RPV-AWM5820

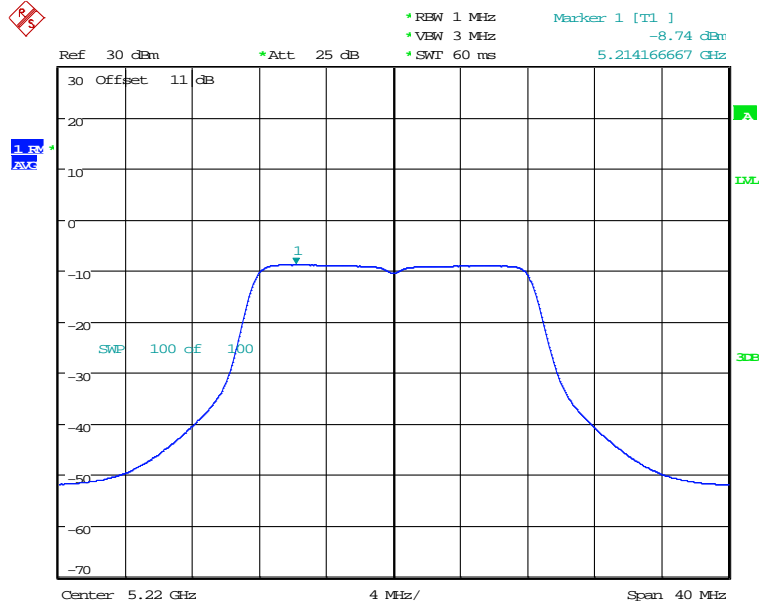
ANT 2

5.15 GHz ~ 5.25 GHz



POWER DENSITY AV ANT211aCH36

Date: 9.APR.2024 10:48:51

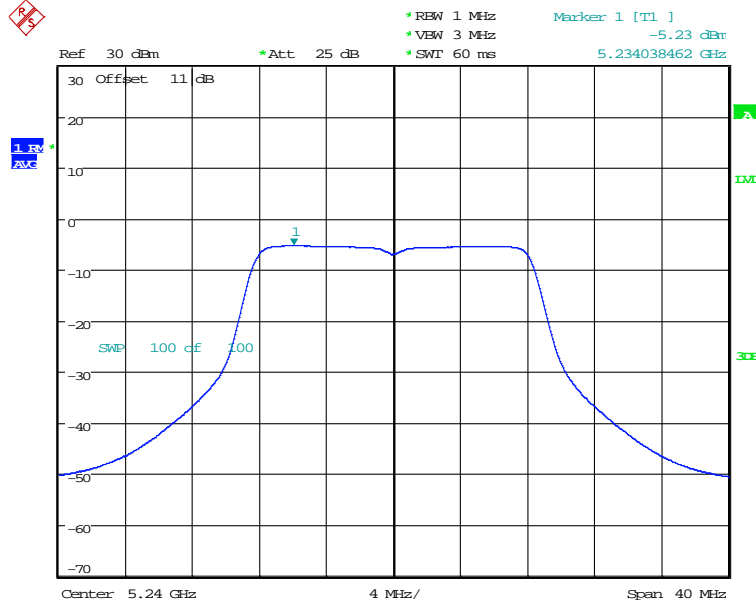


POWER DENSITY AV ANT211aCH44

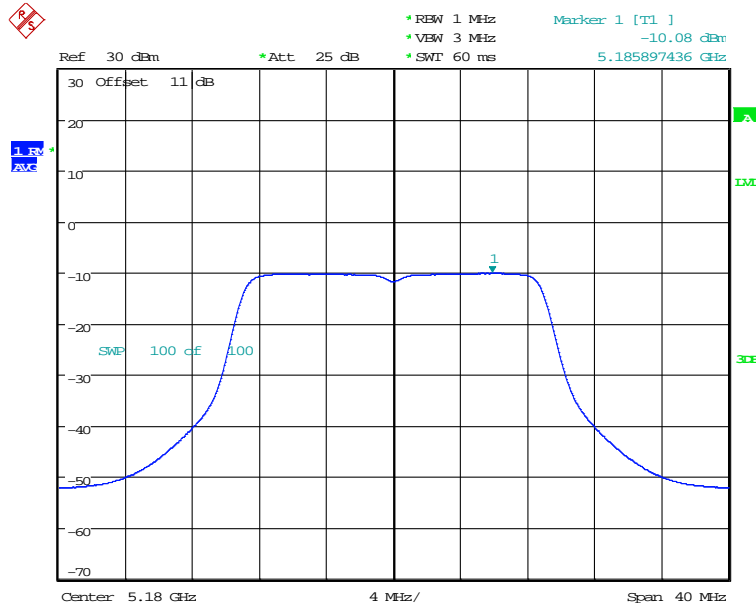
Date: 9.APR.2024 10:50:16



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



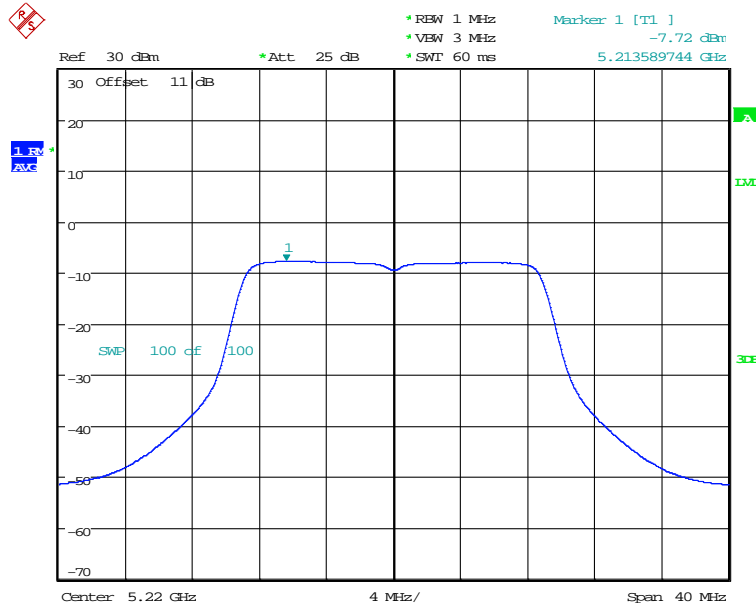
POWER DENSITY AV ANT211aCH48
Date: 9.APR.2024 10:51:47



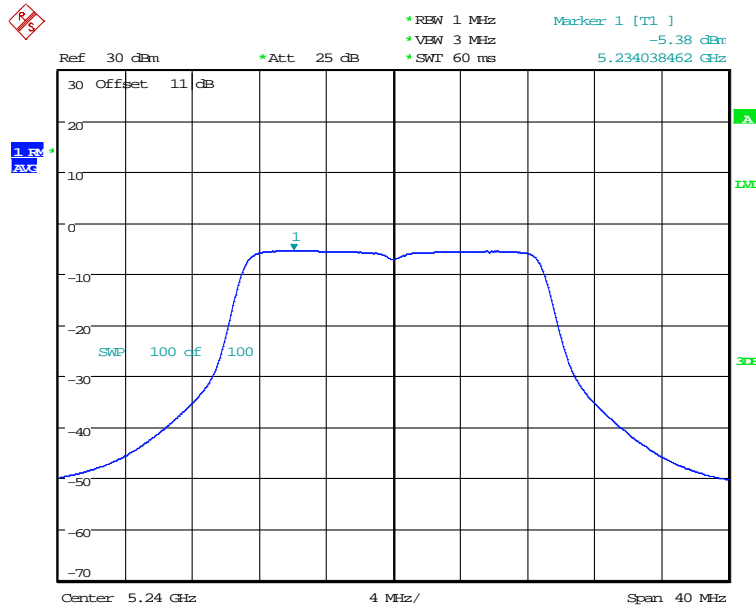
POWER DENSITY AV ANT211n20CH36
Date: 9.APR.2024 10:53:24



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



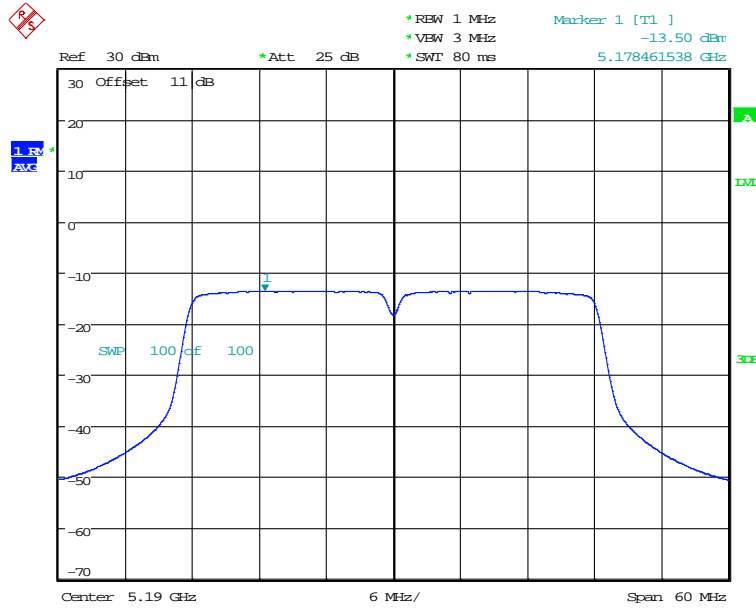
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Date: 9.APR.2024 10:54:49



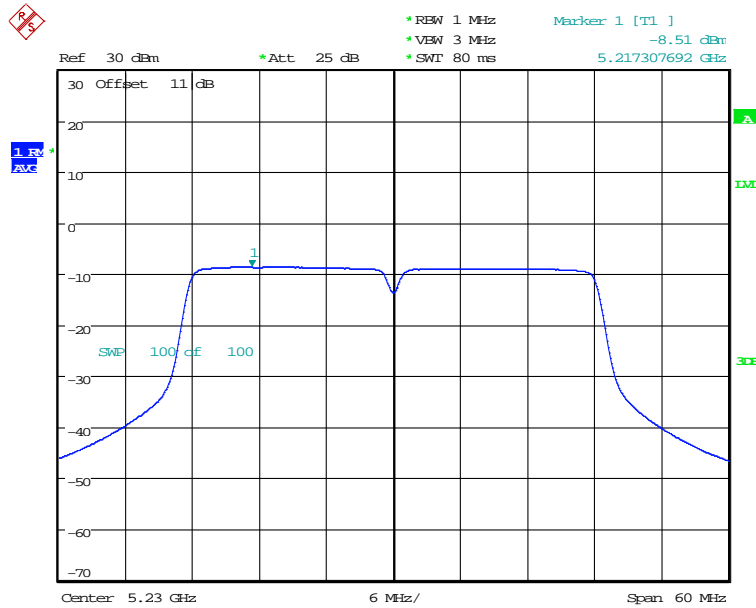
POWER DENSITY AV ANT211n20CH48
Date: 9.APR.2024 10:56:07



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



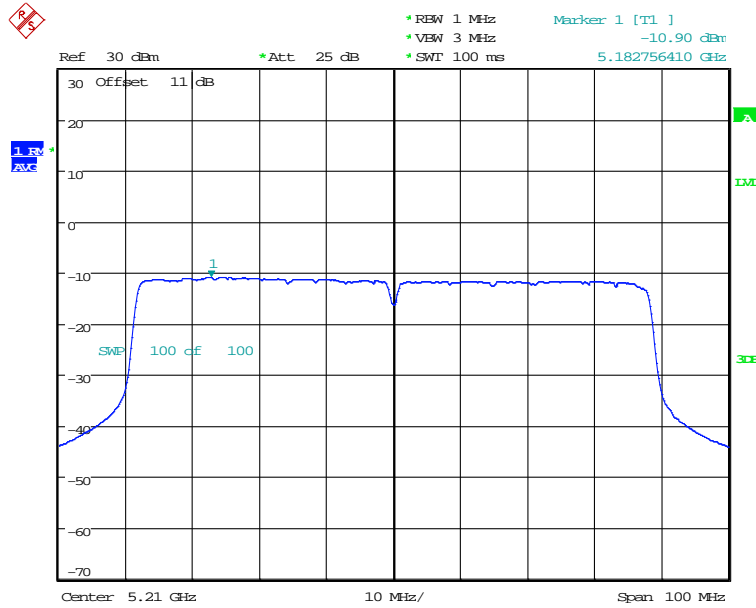
POWER DENSITY AV ANT211n40CH38
Date: 9.APR.2024 10:58:13



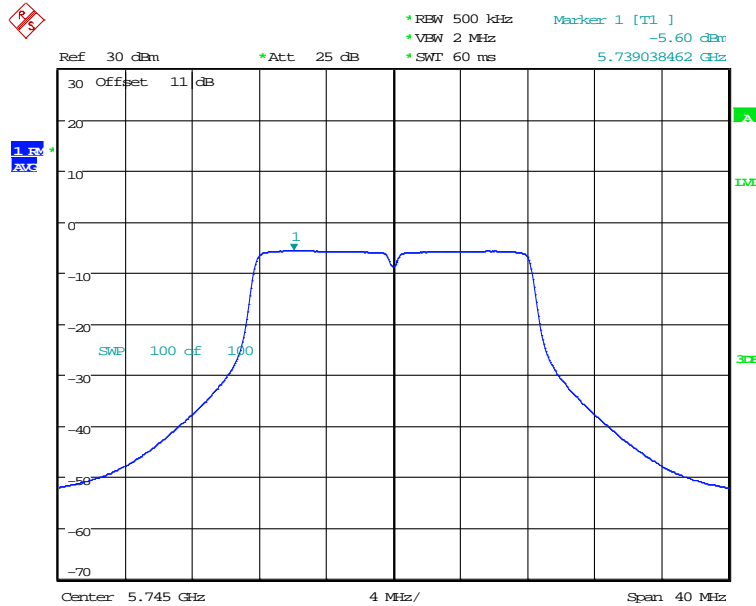
POWER DENSITY AV ANT211n40CH46
Date: 9.APR.2024 11:00:05



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

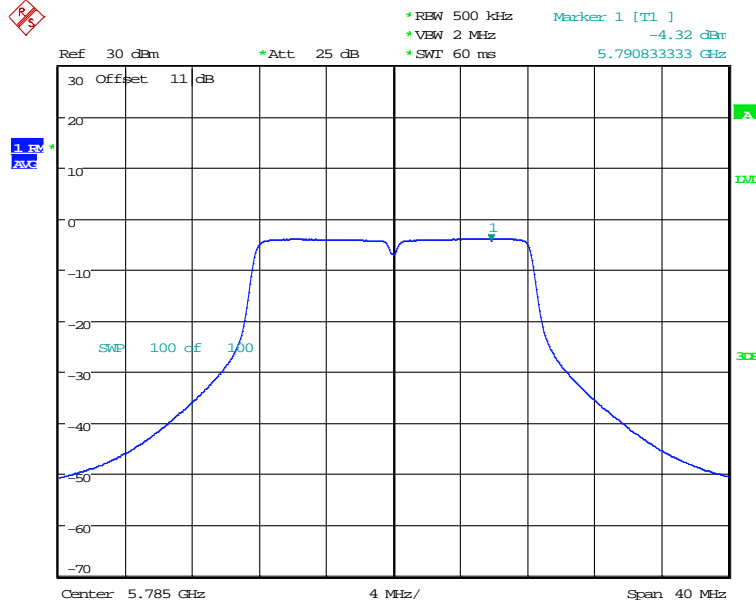


5.725 GHz ~ 5.85 GHz

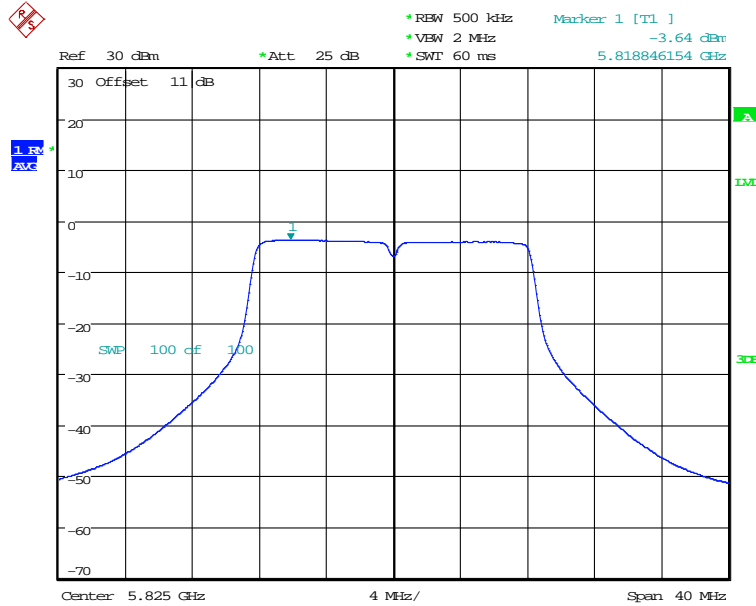




Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



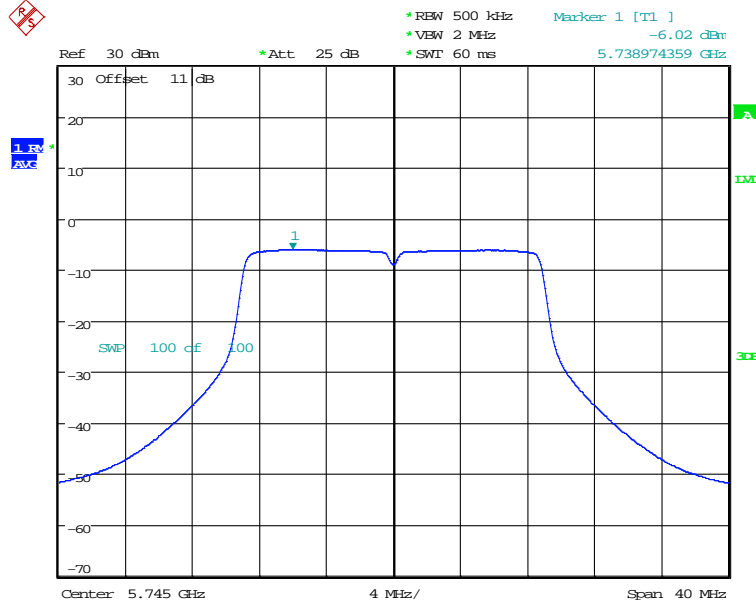
POWER DENSITY AV ANT211aCH157
Date: 9.APR.2024 10:43:46



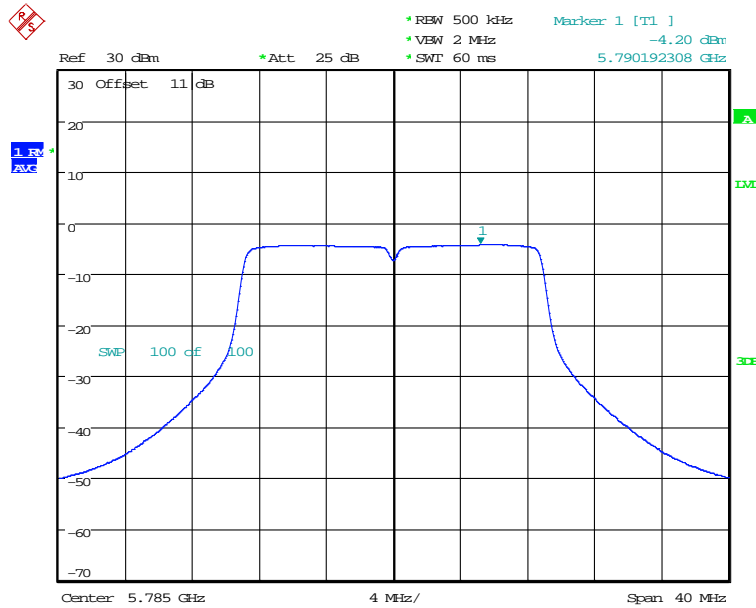
POWER DENSITY AV ANT211aCH165
Date: 9.APR.2024 10:45:04



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



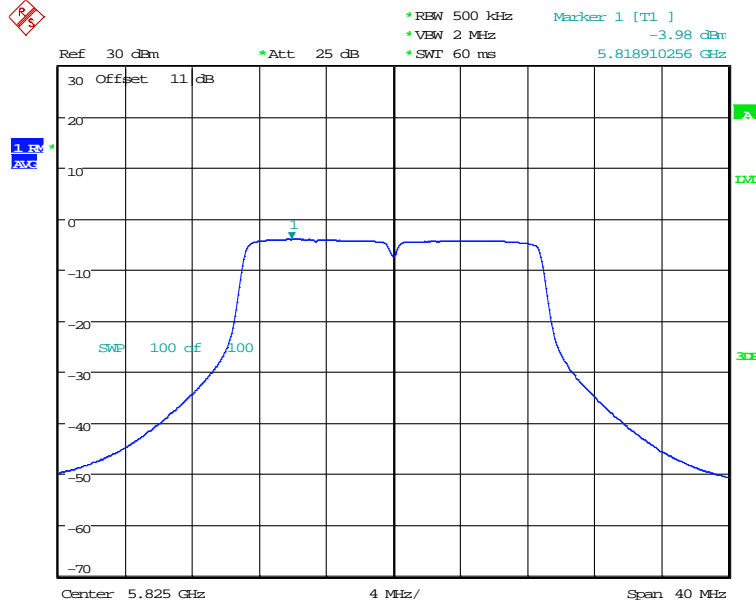
POWER DENSITY AV ANT211n20CH149
Date: 9.APR.2024 10:38:15



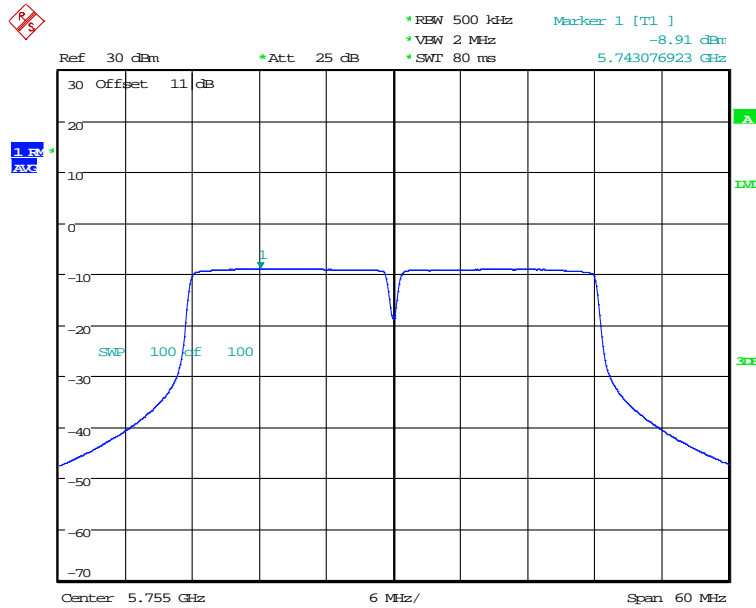
POWER DENSITY AV ANT211n20CH157
Date: 9.APR.2024 10:39:46



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



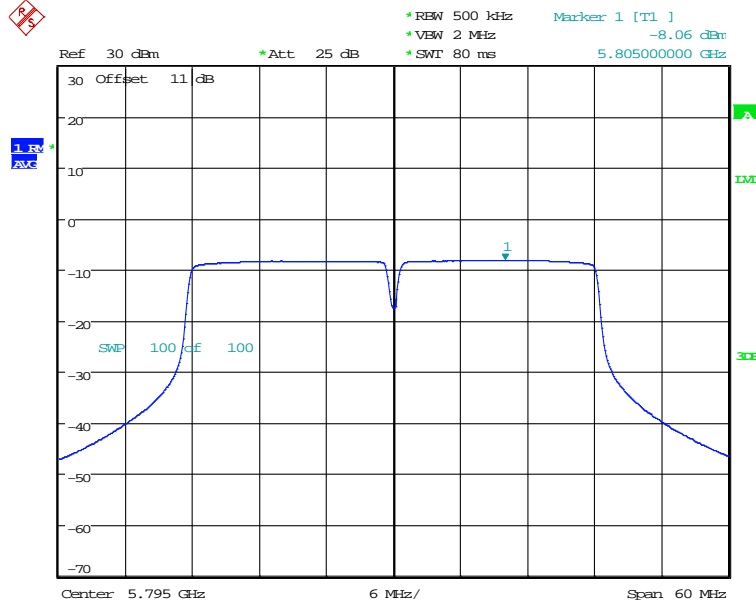
POWER DENSITY AV ANT211n20CH165
Date: 9.APR.2024 10:40:57



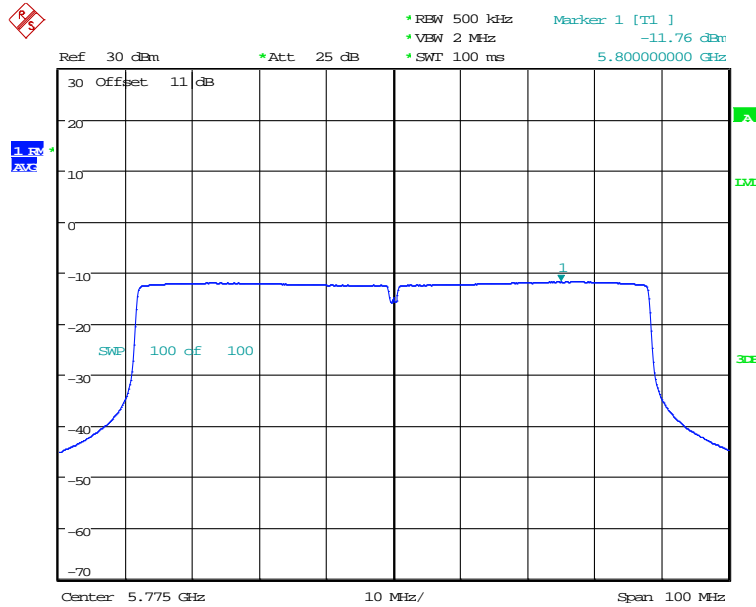
POWER DENSITY AV ANT211n40CH151
Date: 9.APR.2024 10:35:13



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820



POWER DENSITY AV ANT211n40CH159
Date: 9.APR.2024 10:36:28



POWER DENSITY AV ANT211ac80CH155
Date: 9.APR.2024 10:33:14



Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

3.5 Undesirable emission limits, FCC 15.407 (b)

1. For transmitters operating in the 5.15–5.25 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.
2. For transmitters operating in the 5.25–5.35 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz. De-vices operating in the 5.25–5.35 GHz band that generate emissions in the 5.15–5.25 GHz band must meet all appli-cable technical requirements for operation in the 5.15–5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15–5.25 GHz band.
3. For transmitters operating in the 5.47–5.725 GHz band: all emissions out-side of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
4. For transmitters operating in the 5.725–5.850 GHz band: All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
5. The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
6. Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
7. According to According to KDB 789033 D02 General UNII Test Procedures v01, as specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.
8. If radiated measurements are performed, field strength is then converted to EIRP as follows:
 - (i) $EIRP = ((E*d)^2) / 30$, where: E is the field strength in V/m; d is the measurement distance in meters. EIRP is the equivalent isotropically radiated power in watts.
 - (ii) Working in dB units, the above equation is equivalent to: $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$.
 - (iii) Or, if d is 3 meters: $EIRP[dBm] = E[dB\mu V/m] - 95.2$.

Applicable to	Limit	
<input checked="" type="checkbox"/>	FIELD STRENGTH at 3m (dBμV/m)	
	PK	AV
	74	54
<input type="checkbox"/>	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH at 3m (dBμV/m)
	PK	PK
	-27	68.3



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

Model: AWM5820 Date: --
 Mode: -- Temperature: -- °C Engineer: --
 Polarization: Horizontal Humidity: -- %

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

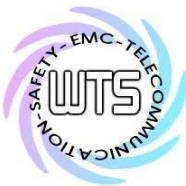
Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Polarization: Vertical

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Explanation: After evaluated, the test result in this report adopt the worst case to measure, please see attached diagrams in appendix.



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.

This function will be declared by manufacturer.

3.7 Reserved, FCC 15.407 (d)

3.8 Indoor Operation Restriction, FCC 15.407 (e)

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

3.9 Transmit Power Control (TPC)

Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Explanation: Max put power of the EUT is less than 500 mW (27dBm) so this test item is not required.

3.10 Dynamic Frequency Selection (DFS)

3.10.1 DFS Detection Threshold

3.10.2 UNII Detection Bandwidth

3.10.3 Initial Channel Availability Check Time-5500 MHz

3.10.4 Radar Burst at the Beginning of the Channel Availability Check Time-5500 MHz

3.10.5 Radar Burst at the End of the Channel Availability Check Time- 5500 MHz



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

3.10.6 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

Note: The Channel Close Transmission Time is compromised 200 milliseconds starting at the beginning of the Channel Move Time plus the additional intermittent control signal required to facilitate channel-move operation (an aggregate of 60milliseconds) during the remainder of the 10seconds period.

Explanation: The test is not required.

3.10.7 Statistical Performance Check

Explanation: The test is not required because the EUT only has Band 1 & Band 4.



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

3.11 Radiated Emissions from Receiver Part

FCC Rule: 15.109

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (microvolts/meter)	Field Strength (dBmicrovolts/meter)
30 – 88	100	40.0
88 – 216	150	43.5
216 – 960	200	46.0
Above 960	500	54.0

Explanation: Please see attached diagrams in appendix.

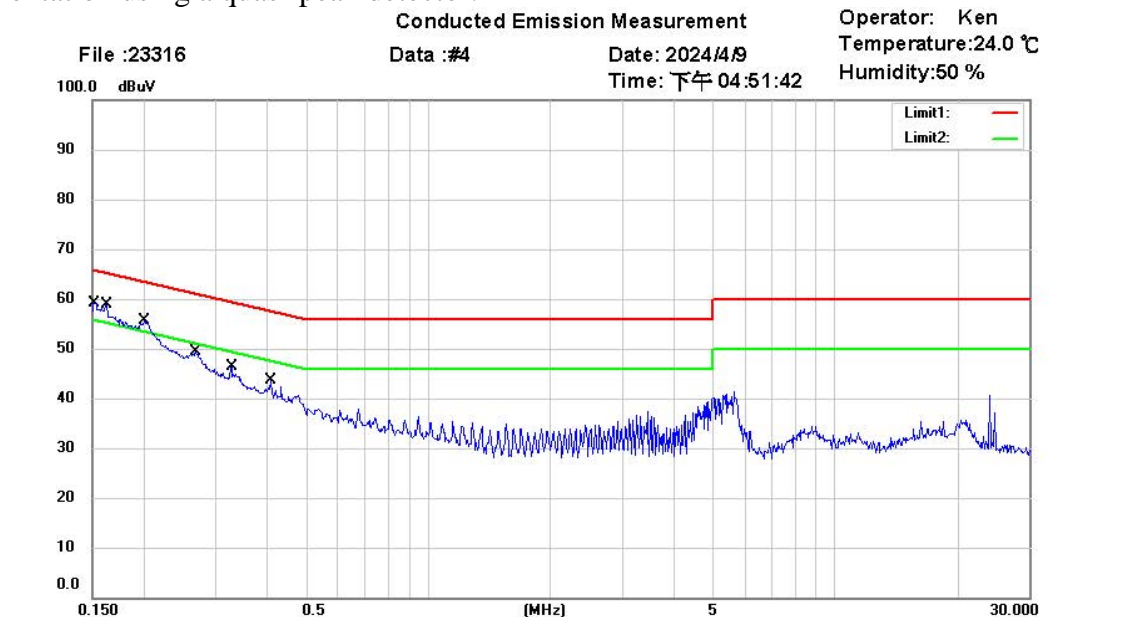


Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

3.12 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.



Site : Chamber_03
 Condition : FCC Part 15 Class B Conduction (QP) Phase: N
 EUT : W6M22403-23316 Power : 3.3 Vd.c.
 M/N:
 Test Mode :
 Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1508	37.51	QP	9.64	47.15	65.96	-18.81	
	0.1508	14.63	AVG	9.64	24.27	55.96	-31.69	
	0.1616	35.97	QP	9.64	45.61	65.38	-19.77	
	0.1616	7.82	AVG	9.64	17.46	55.38	-37.92	
*	0.2004	35.95	QP	9.64	45.59	63.59	-18.00	
	0.2004	23.19	AVG	9.64	32.83	53.59	-20.76	
	0.2676	28.14	QP	9.65	37.79	61.19	-23.40	
	0.2676	17.67	AVG	9.65	27.32	51.19	-23.87	
	0.3270	22.36	QP	9.65	32.01	59.53	-27.52	
	0.3270	-4.05	AVG	9.65	5.60	49.53	-43.93	
	0.4097	19.74	QP	9.66	29.40	57.65	-28.25	
	0.4097	12.07	AVG	9.66	21.73	47.65	-25.92	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22403-23316-C-2
 FCC ID: RPV-AWM5820

Conducted Emission Measurement

Operator: Ken

File :23316

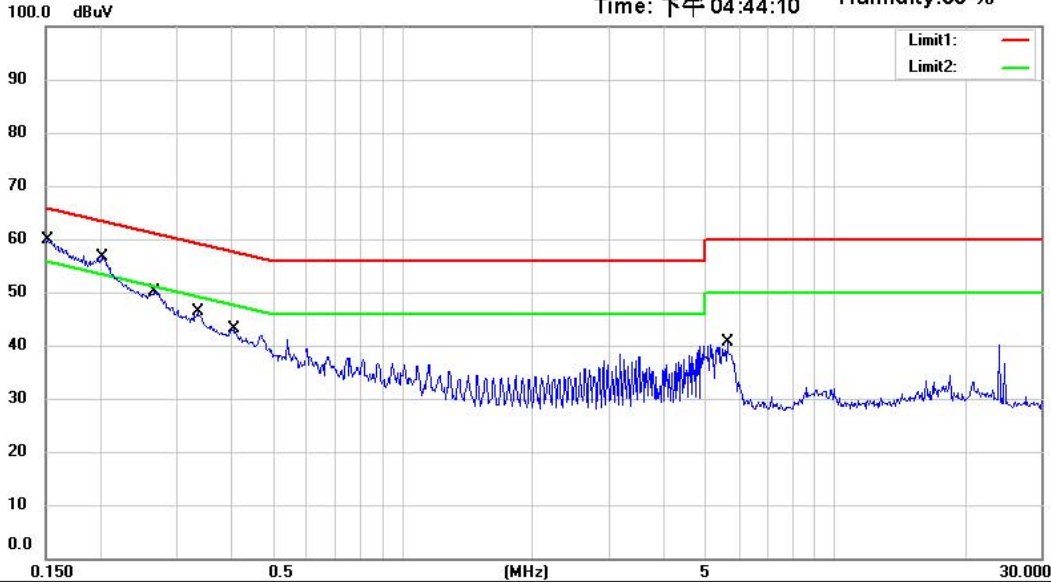
Data :#3

Date: 2024/4/9

Temperature:24.0 °C

Time: 下午 04:44:10

Humidity:50 %



Site : Chamber_03

Condition : FCC Part 15 Class B Conduction (QP)

Phase: L1

EUT : W6M22403-23316

Power : 3.3 Vd.c.

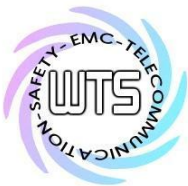
M/N:

Test Mode :

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1512	37.71	QP	9.66	47.37	65.93	-18.56	
	0.1512	15.17	AVG	9.66	24.83	55.93	-31.10	
*	0.2016	37.43	QP	9.65	47.08	63.54	-16.46	
	0.2016	26.19	AVG	9.65	35.84	53.54	-17.70	
	0.2667	27.86	QP	9.65	37.51	61.22	-23.71	
	0.2667	17.91	AVG	9.65	27.56	51.22	-23.66	
	0.3387	24.26	QP	9.66	33.92	59.24	-25.32	
	0.3387	17.82	AVG	9.66	27.48	49.24	-21.76	
	0.4046	21.56	QP	9.66	31.22	57.76	-26.54	
	0.4046	15.68	AVG	9.66	25.34	47.76	-22.42	
	5.6125	25.15	QP	9.75	34.90	60.00	-25.10	
	5.6125	15.34	AVG	9.75	25.09	50.00	-24.91	

- Note:**
- The formula of measured value as: **Test Result = Reading + Correction Factor**
 - The **Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss**
 - Detector function in the form : **PK = Peak, QP = Quasi Peak, AV = Average**
 - All not in the table noted test results are more than 20 dB below the relevant limits.
 - Up Line: QP Limit Line, Down Line: Ave Limit Line.



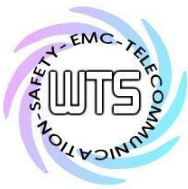
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22403-23316-C-2

FCC ID: RPV-AWM5820

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50



Registration number: W6M22403-23316-C-2
FCC ID: RPV-AWM5820

Appendix

Measurement diagrams

Spurious Emissions radiated



Radiated Emission Measurement

Operator: Kai

File : 1_WiFi 5G_ant1_TX 802 Data : #1

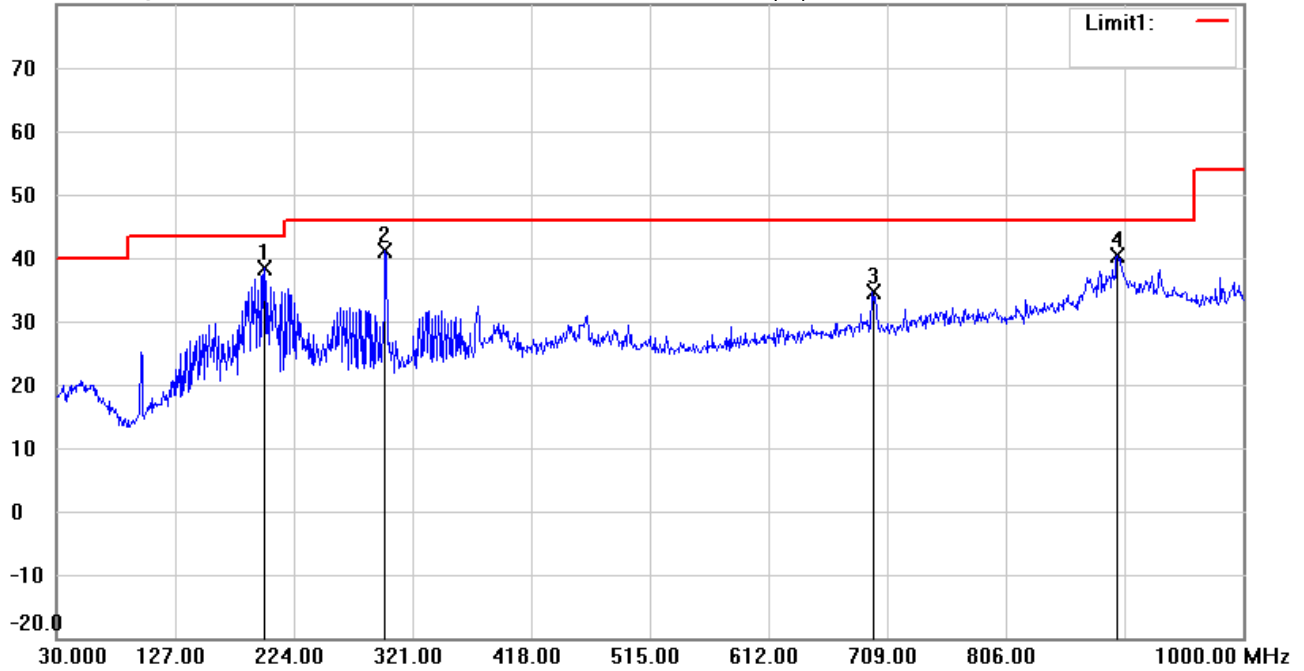
Date: 2024/4/2

Temperature: 24.3 °C

80.0 dBuV/m

Time: 下午 02:52:05

Humidity: 52.0 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

Polarization: *Horizontal*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	199.7500	54.19	peak	-15.83	38.36	43.50	100	190	-5.14	
*	298.6900	53.41	peak	-12.22	41.19	46.00	100	336	-4.81	
	696.8750	38.22	peak	-3.52	34.70	46.00	100	125	-11.30	
	897.1800	41.69	peak	-1.26	40.43	46.00	100	164	-5.57	



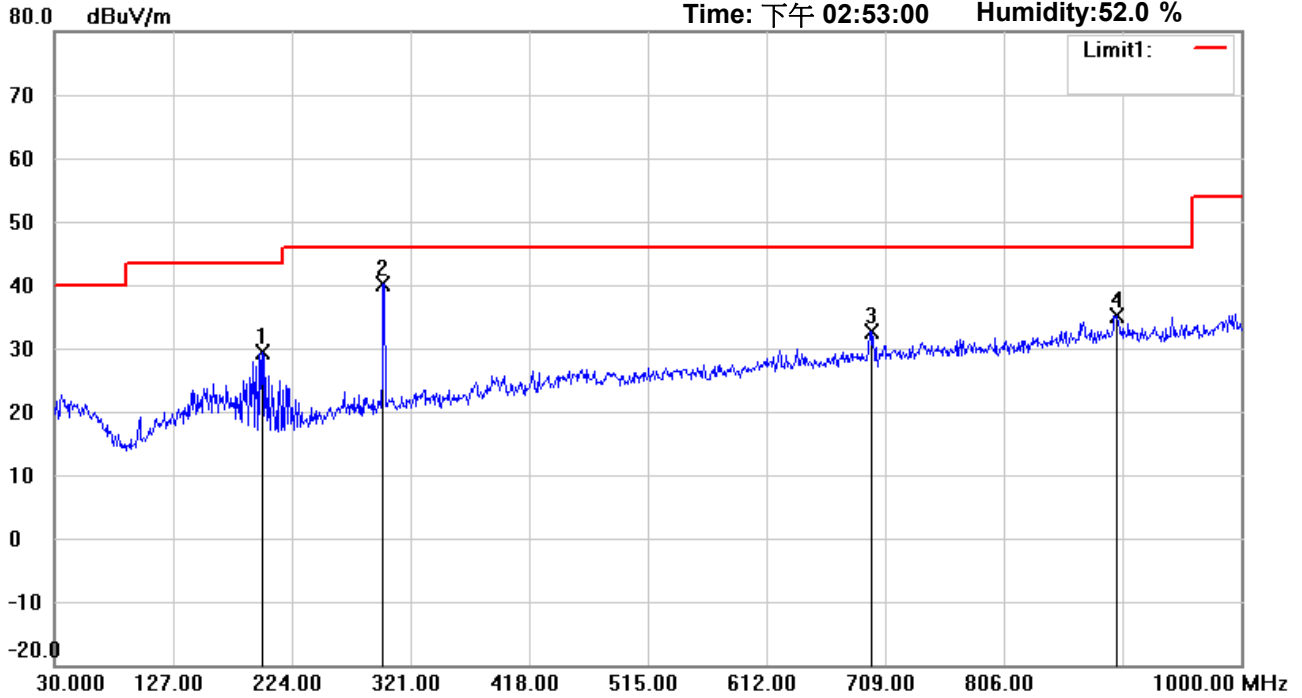
Radiated Emission Measurement

Operator: Kai

File :1_WiFi 5G_ant1_TX 802 Data :#2

Date: 2024/4/2
 Time: 下午 02:53:00

Temperature:24.3 °C
 Humidity:52.0 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class E_30-1000MHz

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH36

Note :

Polarization: **Vertical**

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	199.7500	45.09	peak	-15.83	29.26	43.50	100	280	-14.24	
*	298.6900	52.43	peak	-12.22	40.21	46.00	100	267	-5.79	
	696.8750	36.17	peak	-3.52	32.65	46.00	100	287	-13.35	
	898.1500	36.42	peak	-1.26	35.16	46.00	100	215	-10.84	



Address: No.99, Sec.1, Balian Rd., Xizhi Dist., New Taipei City
 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#1

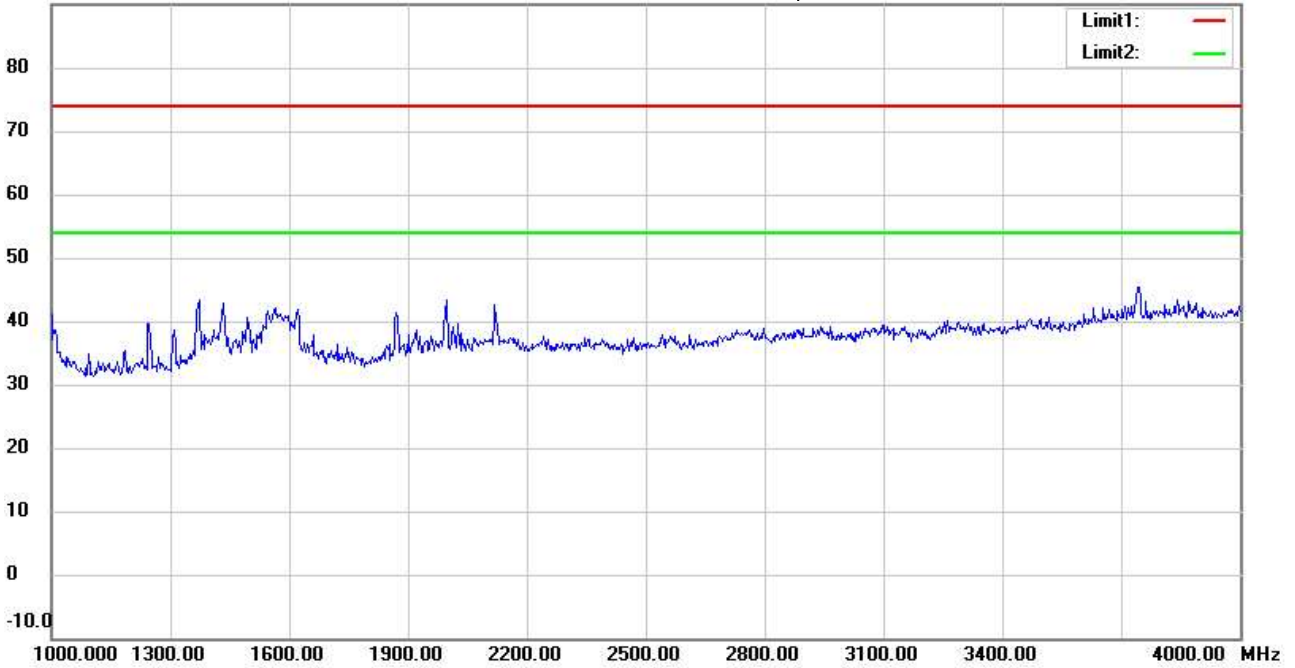
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:34:58

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH36

Note :

Polarization: *Horizontal*

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



Address: No.99, Sec.1, Balian Rd., Xizhi Dist., New Taipei City
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 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#7

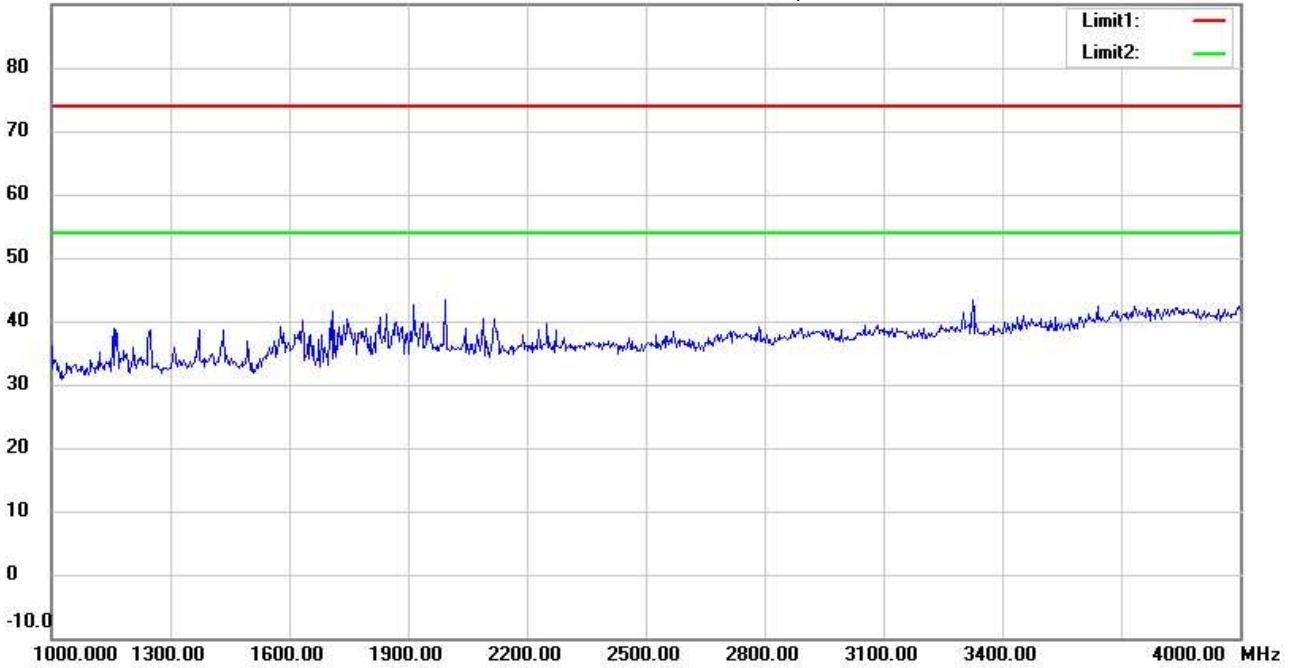
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:38:47

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH36

Note :

Polarization: *Vertical*

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*:Maximum data x:Over limit !:over margin



Radiated Emission Measurement

Operator: Kai

File :3

Data :#2

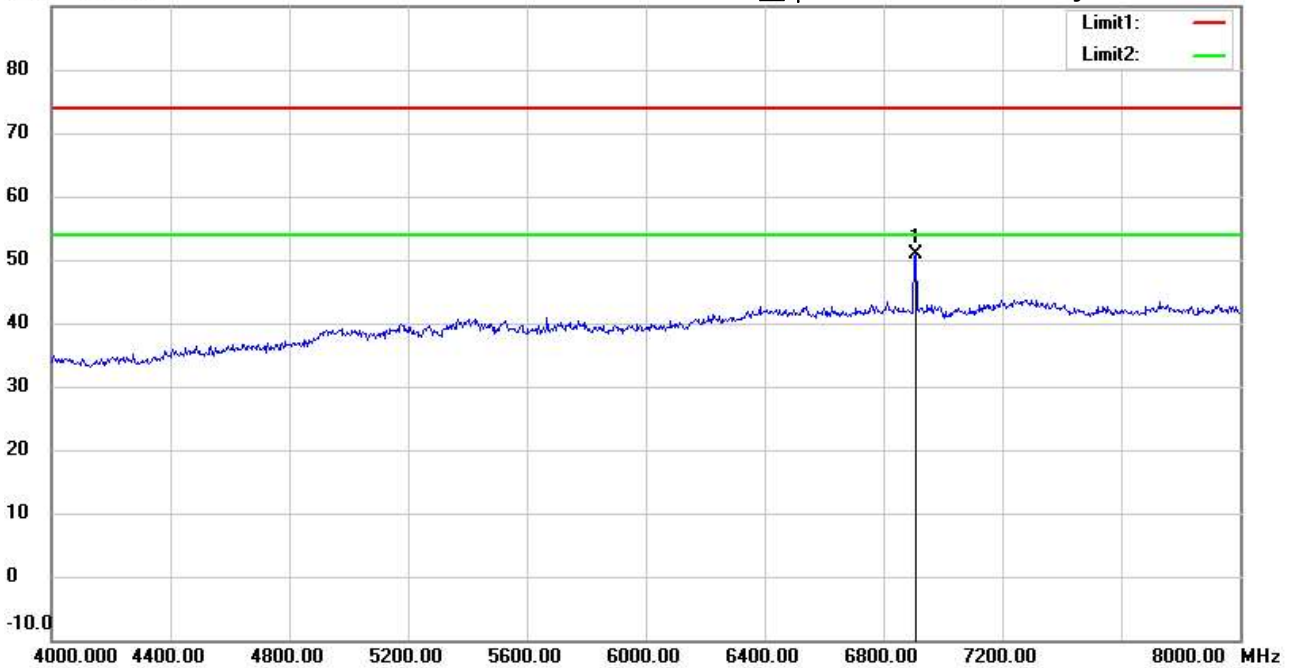
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:35:46

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH36

Note :

Polarization: *Horizontal*

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	6908.000	41.34	peak	9.46	50.80	74.00	150	120	-23.20	



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Radiated Emission Measurement

Operator: Kai

File :3

Data :#8

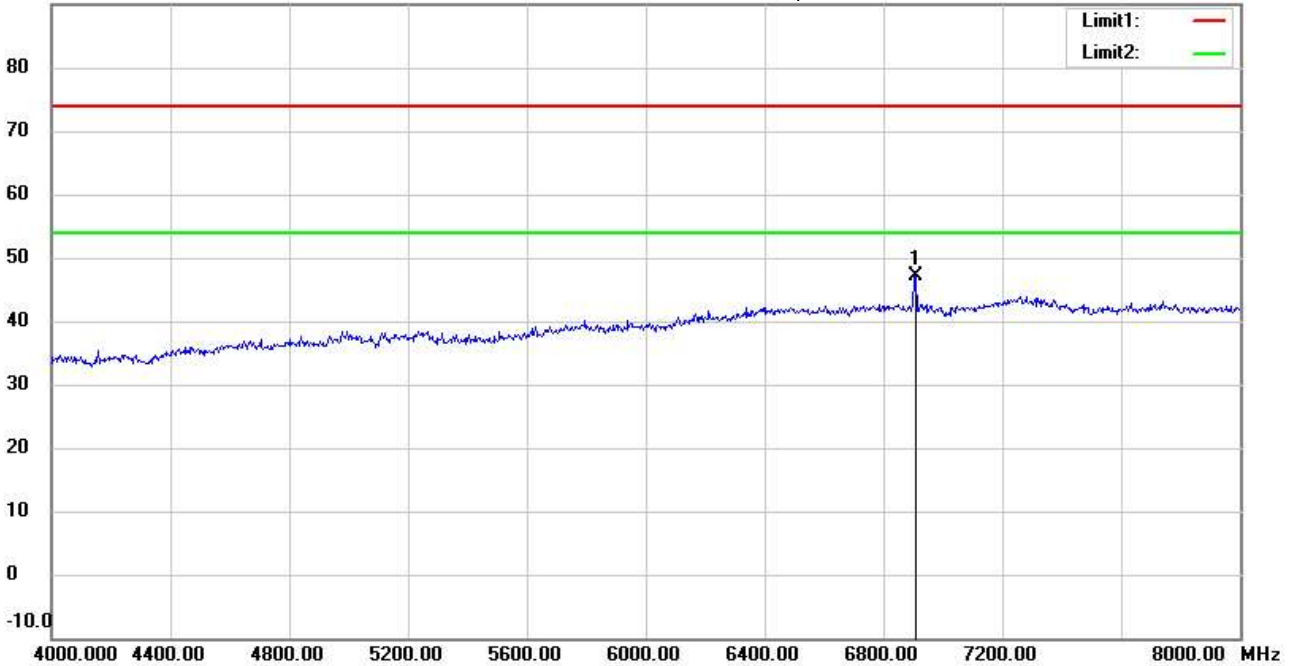
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:39:35

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	6908.000	37.74	peak	9.46	47.20	74.00	150	112	-26.80	

*:Maximum data x:Over limit !:over margin



Address: No.99, Sec.1, Balian Rd., Xizhi Dist., New Taipei City
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 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#3

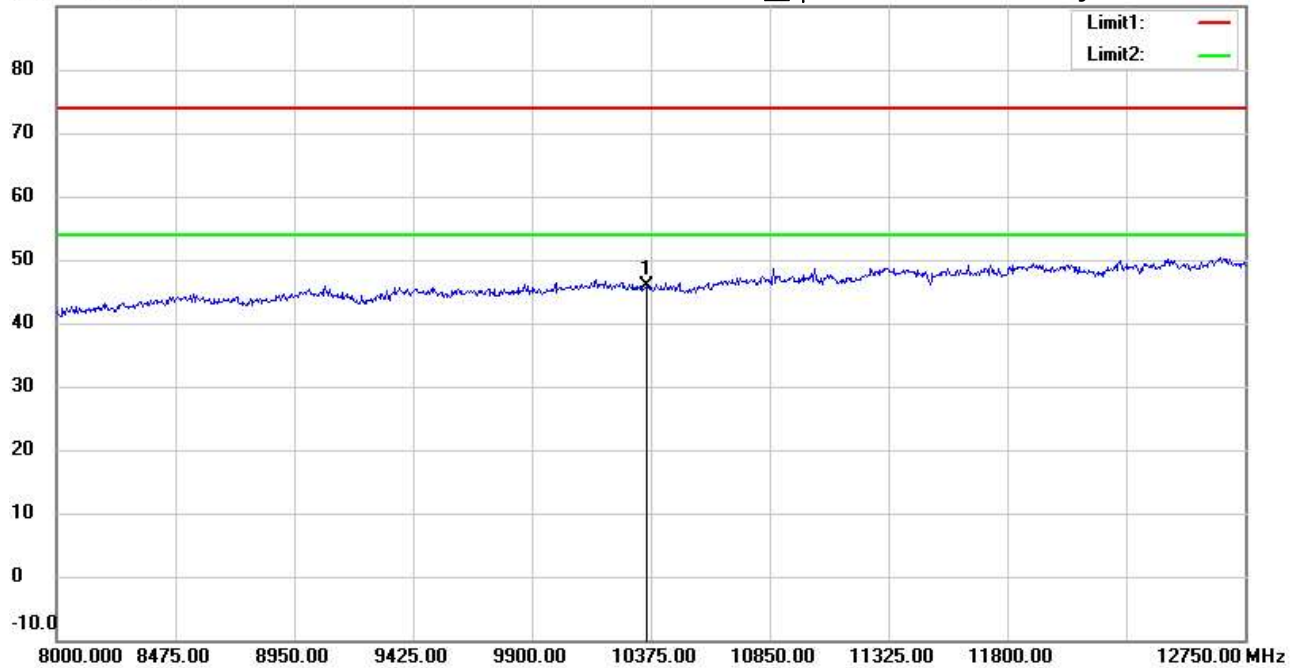
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:36:35

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10360.000	32.28	peak	13.51	45.79	74.00	150	78	-28.21	

*:Maximum data x:Over limit !:over margin



Address: No.99, Sec.1, Balian Rd., Xizhi Dist., New Taipei City
 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#9

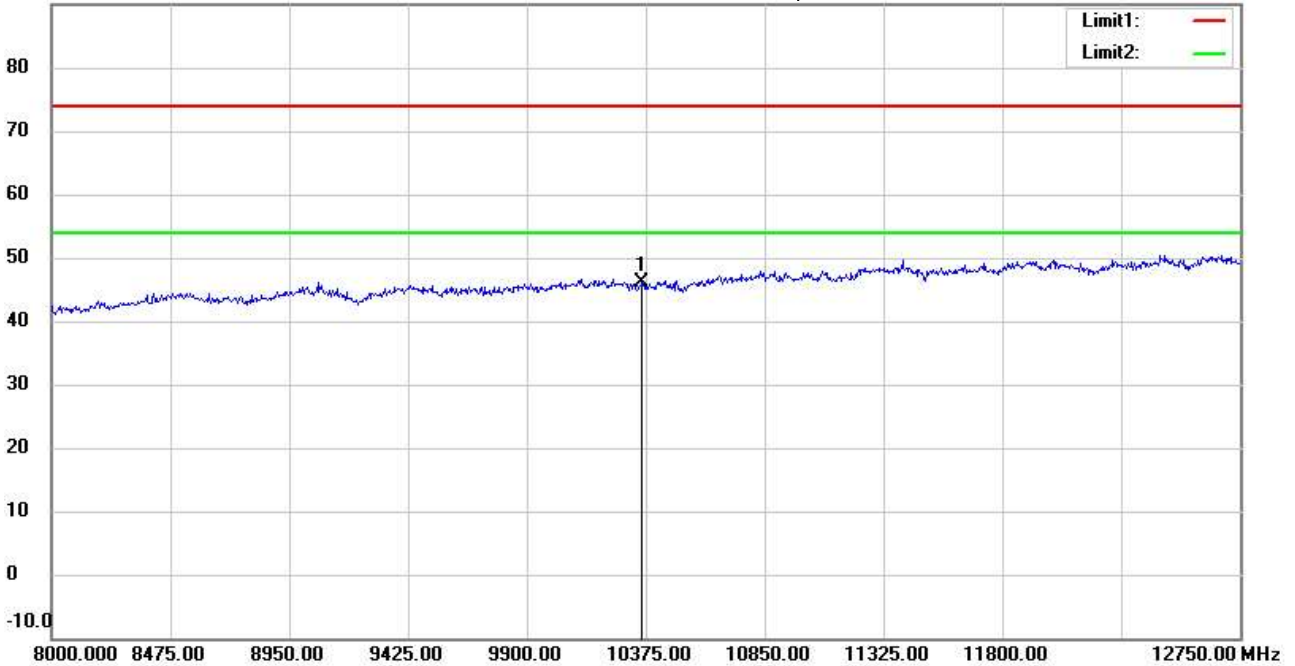
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:40:23

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10360.000	32.73	peak	13.51	46.24	74.00	150	123	-27.76	

*:Maximum data x:Over limit !:over margin



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 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#4

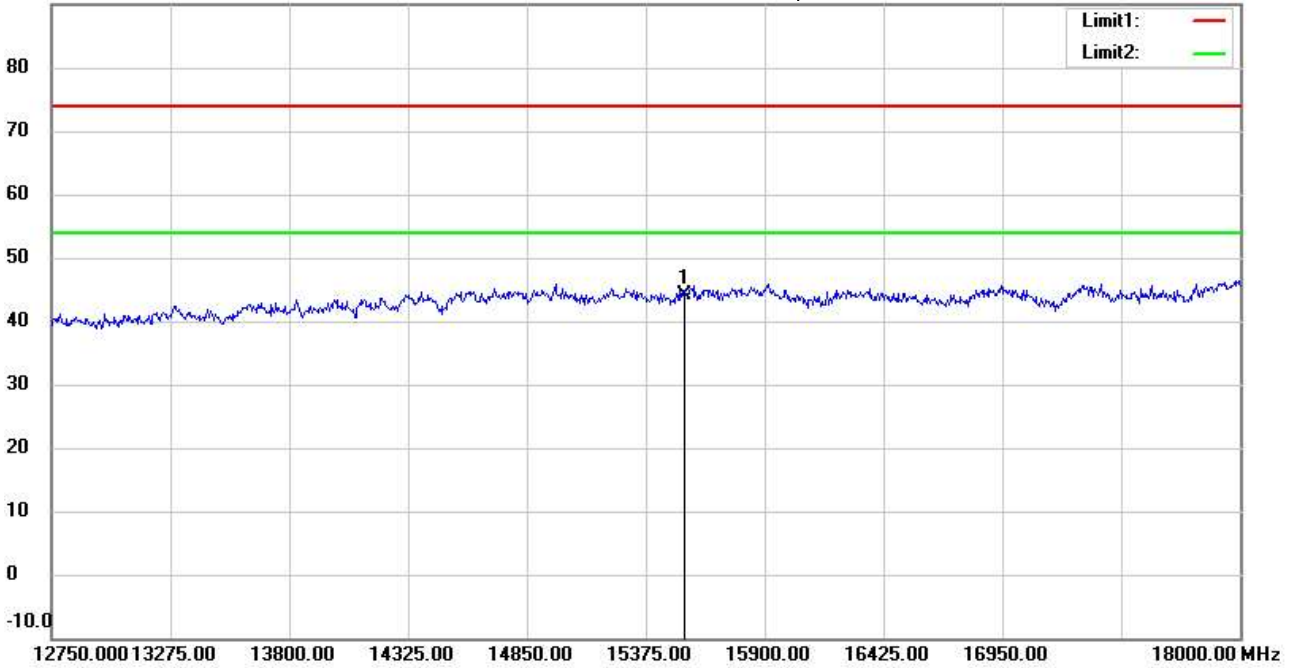
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:37:27

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15540.000	21.22	peak	22.93	44.15	74.00	150	26	-29.85	

*:Maximum data x:Over limit !:over margin



Address: No.99, Sec.1, Balian Rd., Xizhi Dist., New Taipei City
 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#10

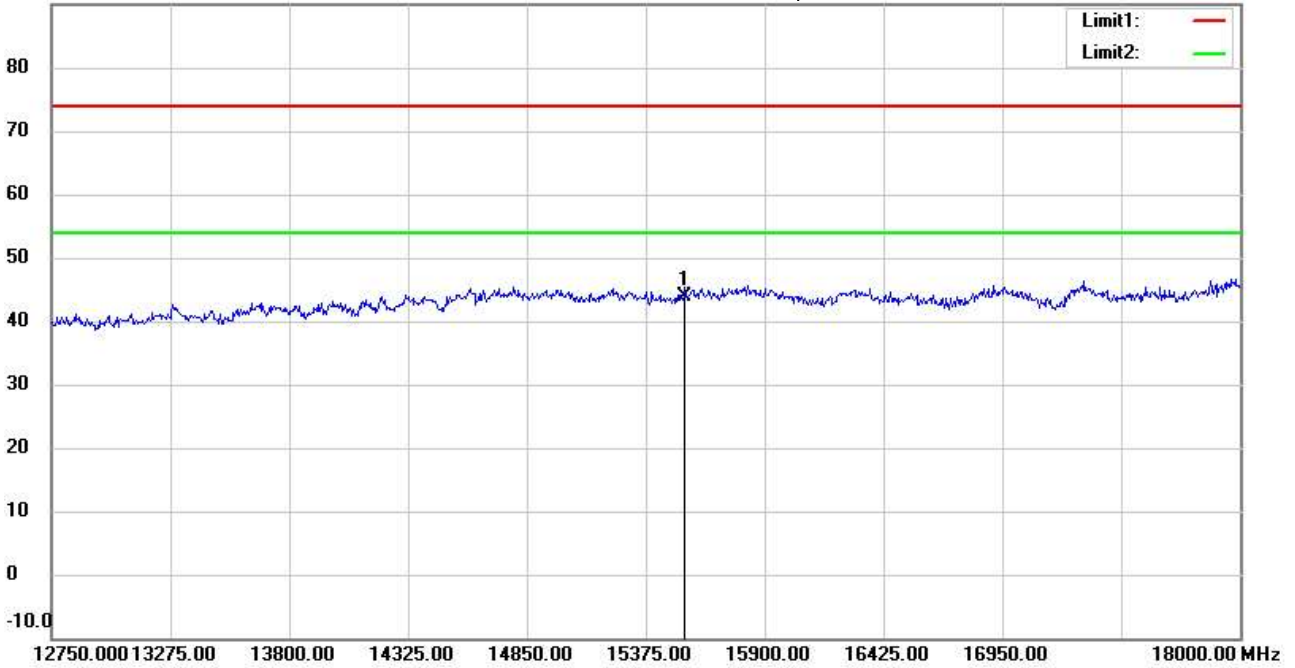
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:41:16

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15540.000	21.02	peak	22.93	43.95	74.00	150	170	-30.05	

*:Maximum data x:Over limit !:over margin



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 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#5

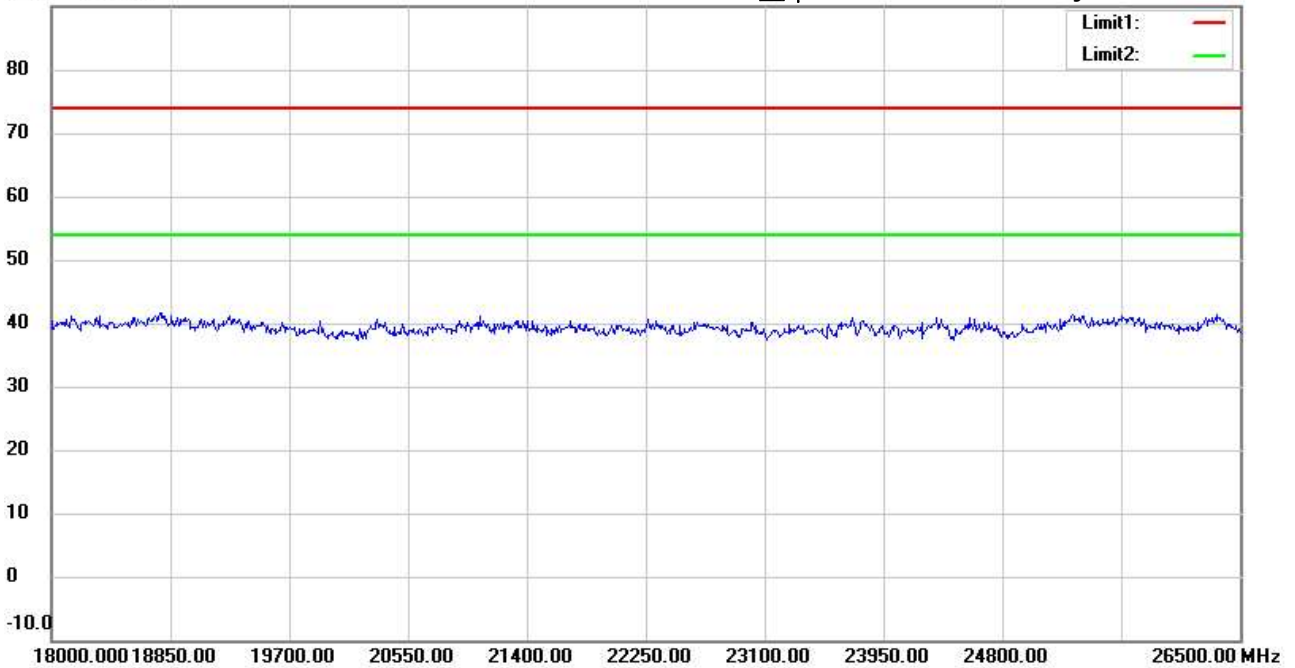
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:37:38

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH36

Note :

Polarization: *Horizontal*

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Kai

File :3

Data :#11

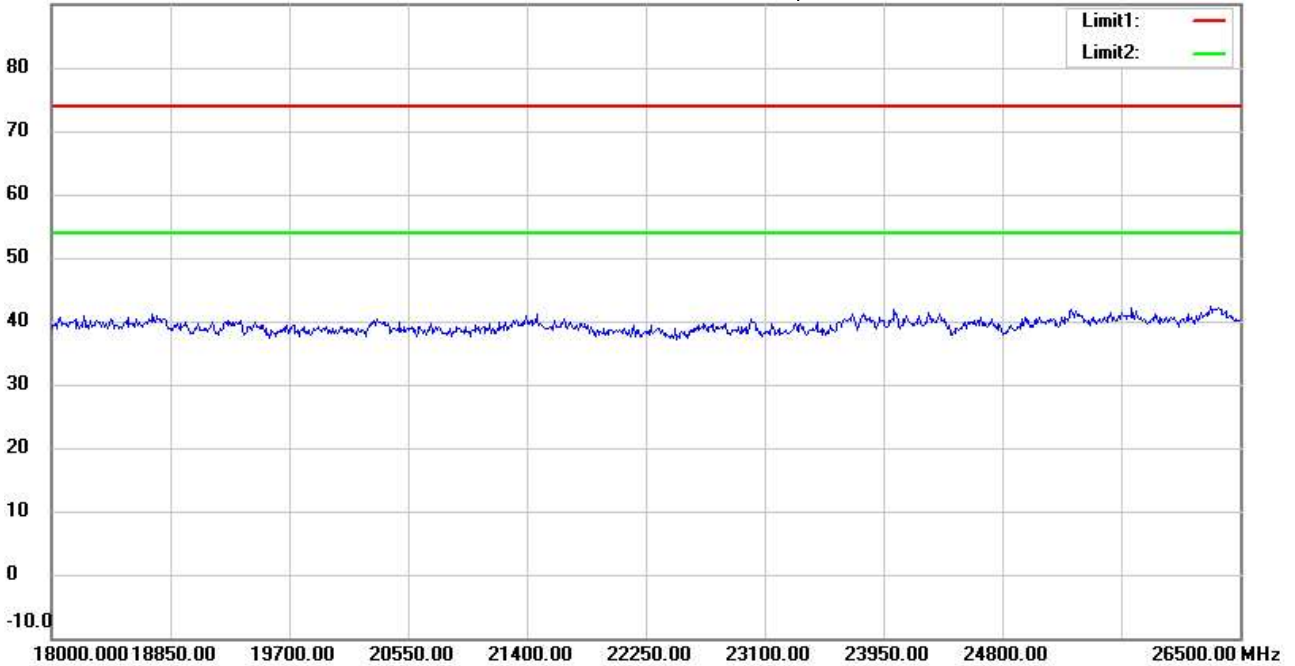
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:41:26

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#6

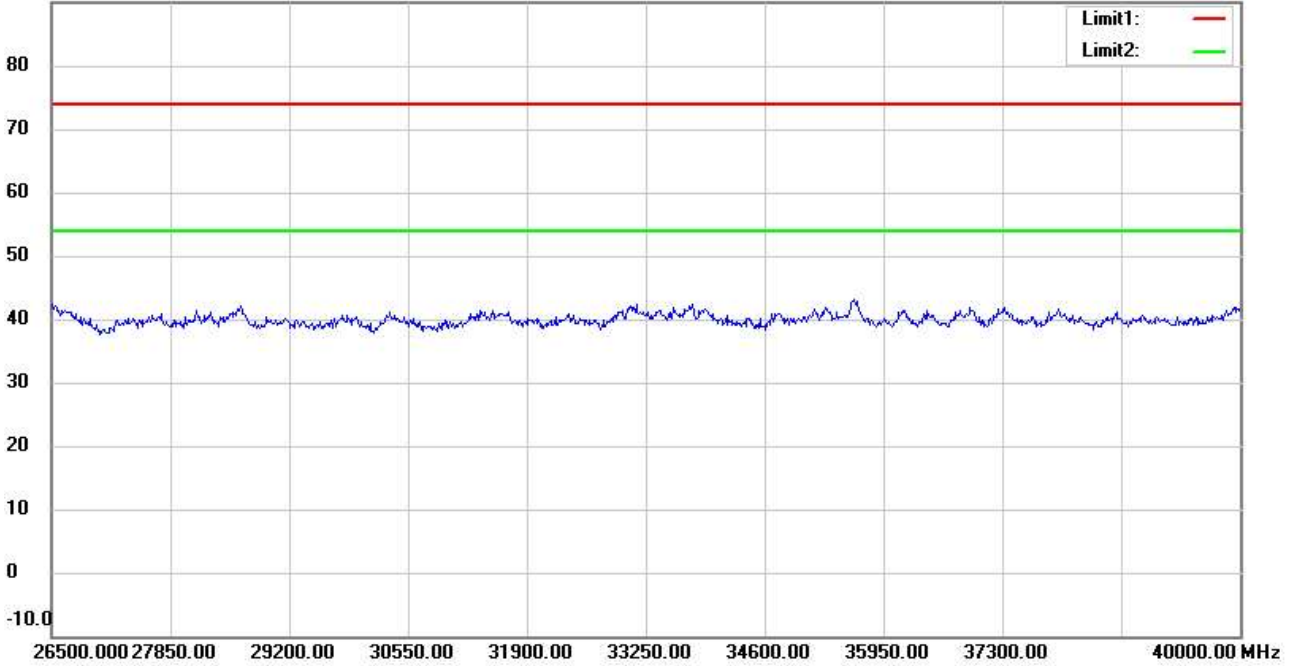
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:37:48

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22403-23316

Power : 3.3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11a CH36

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#12

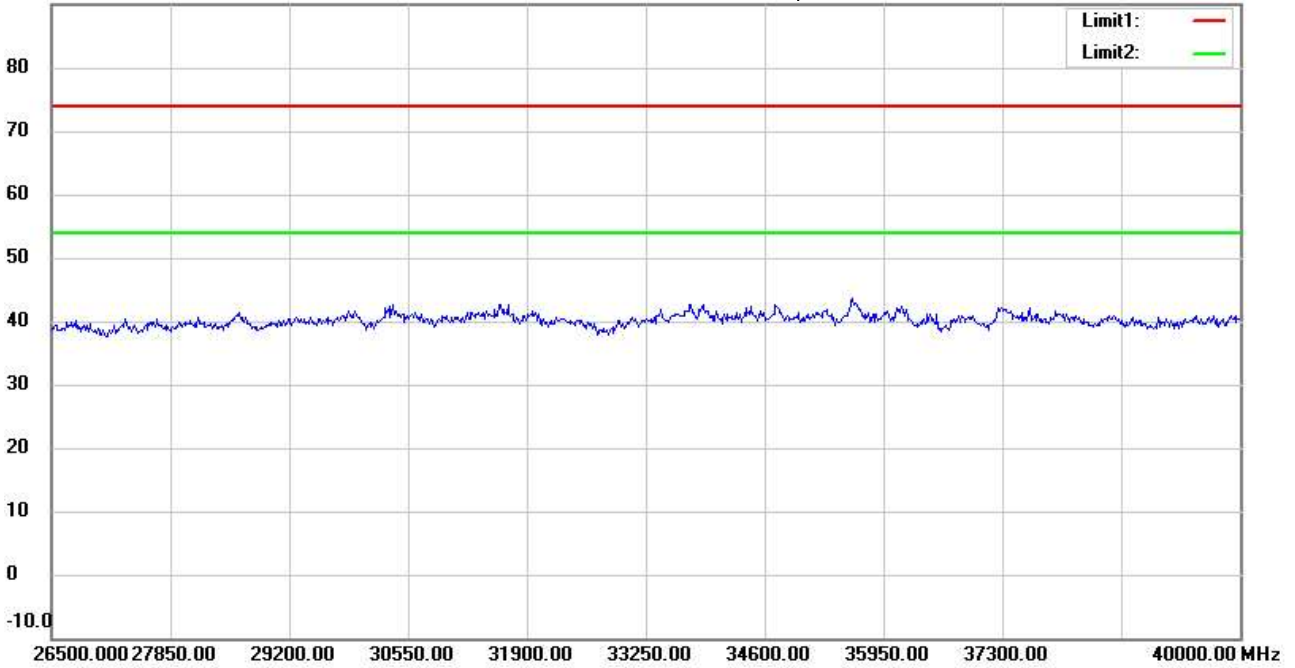
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:41:37

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH36

Note :

Polarization: **Vertical**

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Tel: +886-2-2646-1508
 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#1

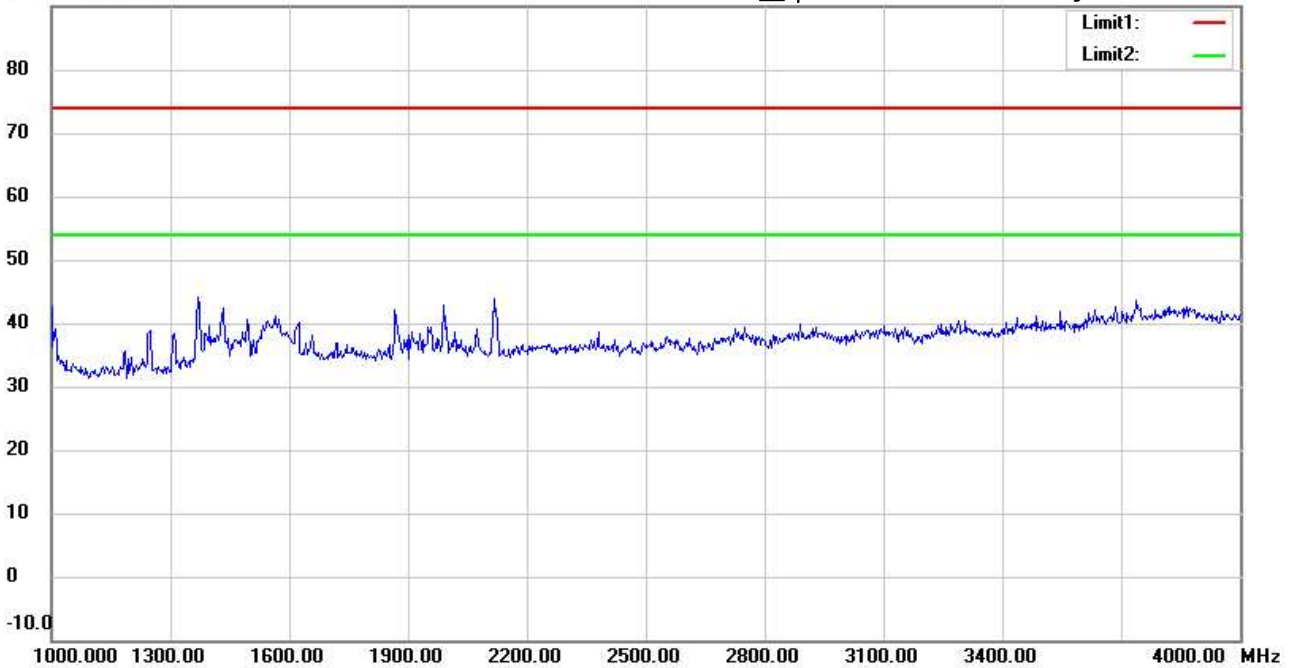
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:48:07

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH44

Note :

Polarization: *Horizontal*

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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 Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3

Data :#7

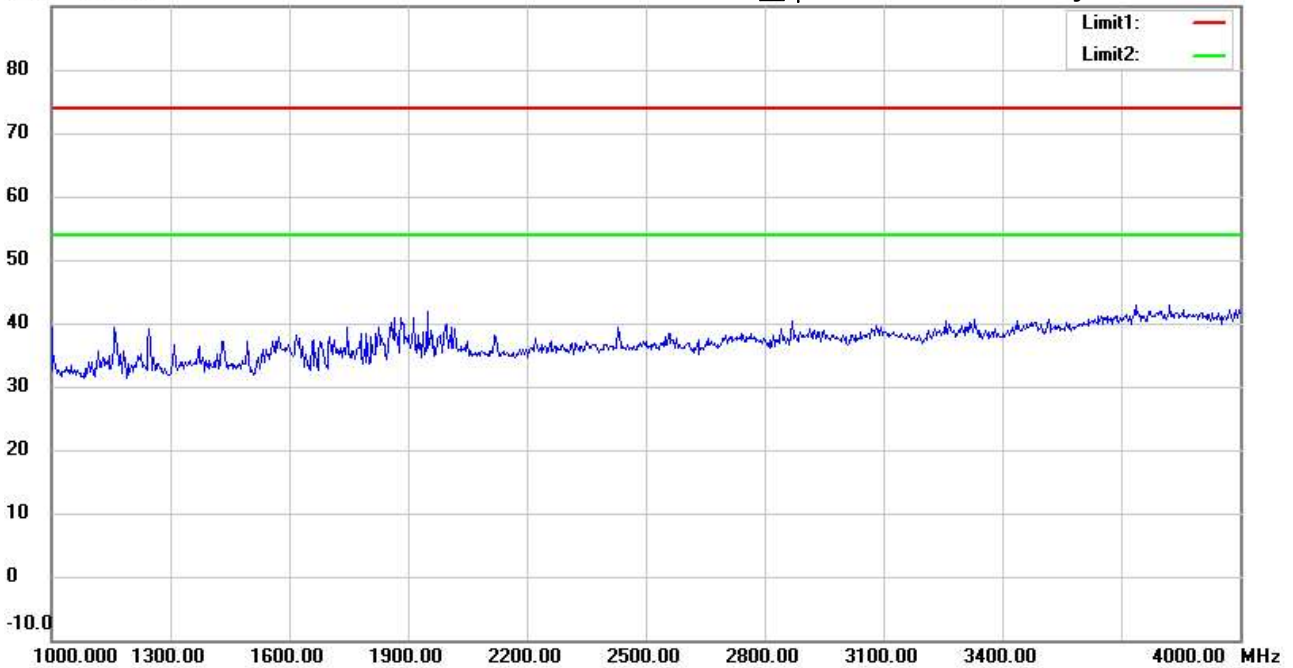
Date: 2024/4/1

Temperature: 23.6 °C

90.0 dBuV/m

Time: 上午 09:51:56

Humidity: 64.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22403-23316

M/N:

Test Mode : TX 802.11a CH44

Note :

Polarization: *Vertical*

Power : 3.3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin