

47 CFR PART 15 SUBPART C TEST REPORT

for

Personal Transport System for the MPU5

Model No.: WR-PT5-0001

FCC ID: 2AG3J-WRPT50001

of

Applicant: Persistent systems LLC

Address: 601 W 26th St Suite 905 New York 10001 United States

Tested and Prepared

By

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634



Report No.: W6M22405-23479-C-55

6F., No. 58, Ln. 188, Rueiguang Rd., Neihu Dist., Taipei City, Taiwan (R.O.C.)
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Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

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Worldwide Testing Services(Taiwan) Co., Ltd.

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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 its 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:

March 05, 2025

Sora Kuo

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

March 05, 2025

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

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. 99, Sec. 1, Balian Rd., Xizhi Dist.,
New Taipei City 221032, Taiwan (R.O.C.)

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.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634

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

Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.

1.3 Details of approval holder

Name: Persistent systems LLC

Street: 601 W 26th St Suite 905

Town: New York 10001

Country: United States

1.4 Application details

Date of receipt of test item(1st): July 31, 2024

Date of test(1st): from August 01, 2024 to November 05, 2024

Date of receipt of test item(2nd): July 31, 2024

Date of test(2nd): from February 24, 2025 to February 25, 2025



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

1.5 General information of Test item

Type of test item: Personal Transport System for the MPU5
Model number: WR-PT5-0001
Brand name: ./.
Multi-listing model number: ./.
Sample no.: #03

Technical data

Frequency band: Band 1: 5.150 GHz-5.250 GHz, Band 2: 5.250 GHz-5.350 GHz
Band 3: 5.470 GHz-5.725 GHz, Band 4: 5.725 GHz-5.850 GHz

Original

Band	Mode	Channel	Conducted power with DF (dBm)		Combine (dBm)
			Antenna 1	Antenna 2	
NII-1	802.11a	Ch 36 : 5180 MHz	12.11	7.99	-
		Ch 44 : 5220 MHz	12.54	7.57	-
		Ch 48 : 5240 MHz	12.60	7.30	-
	802.11n 20MHz	Ch 36 : 5180 MHz	11.95	7.96	13.41
		Ch 44 : 5220 MHz	12.44	7.53	13.66
		Ch 48 : 5240 MHz	12.48	7.25	13.62
	802.11n 40MHz	Ch 38 : 5190 MHz	12.16	7.84	13.53
		Ch 46 : 5230 MHz	12.57	7.39	13.72
	802.11ac 80MHz	Ch 42 : 5210 MHz	12.42	7.76	13.70
NII-2A	802.11a	Ch 52 : 5260 MHz	12.72	7.21	-
		Ch 60 : 5300 MHz	12.68	6.74	-
		Ch 64 : 5320 MHz	12.66	7.09	-
	802.11n 20MHz	Ch 52 : 5260 MHz	12.63	7.17	13.72
		Ch 60 : 5300 MHz	12.60	6.69	13.59
		Ch 64 : 5320 MHz	12.60	7.08	13.67
	802.11n 40MHz	Ch 54 : 5270 MHz	12.66	7.05	13.71
		Ch 62 : 5310 MHz	12.79	7.15	13.84
	802.11ac 80MHz	Ch 58 : 5290 MHz	12.80	7.00	13.81
NII-2C	802.11a	Ch 100 : 5500 MHz	11.25	7.09	-
		Ch 120 : 5600 MHz	10.58	8.14	-
		Ch 140 : 5700 MHz	10.12	8.87	-
	802.11n 20MHz	Ch 100 : 5500 MHz	11.29	7.12	12.70
		Ch 120 : 5600 MHz	10.56	8.10	12.51
		Ch 140 : 5700 MHz	10.08	8.82	12.51



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	802.11n 40MHz	Ch 102 : 5510 MHz	11.30	7.03	12.68
		Ch 118 : 5590 MHz	10.75	8.07	12.62
		Ch 134 : 5670 MHz	10.37	8.60	12.58
	802.11ac 80MHz	Ch 106 : 5530 MHz	11.06	7.39	12.61
		Ch 122 : 5610 MHz	10.64	8.28	12.63
	NII-3	Ch 149 : 5745 MHz	9.80	9.86	-
		Ch 157 : 5785 MHz	9.71	10.44	-
		Ch 165 : 5825 MHz	9.58	10.87	-
		Ch 149 : 5745 MHz	9.71	9.85	12.79
		Ch 157 : 5785 MHz	9.61	10.39	13.03
		Ch 165 : 5825 MHz	9.50	10.80	13.21
		Ch 151 : 5755 MHz	9.71	9.93	12.83
		Ch 159 : 5795 MHz	9.65	10.50	13.11
		Ch 155: 5775 MHz	9.64	10.39	13.04

New testing

Band	Mode	Channel	Conducted power with DF (dBm)		Combine (dBm)
			Antenna 1	Antenna 2	
NII-1	802.11a	Ch 36 : 5180 MHz	10.37	7.99	-
		Ch 44 : 5220 MHz	10.70	7.57	-
		Ch 48 : 5240 MHz	10.66	7.30	-
	802.11ax 20MHz	Ch 36 : 5180 MHz	10.26	7.96	12.27
		Ch 44 : 5220 MHz	10.50	7.53	12.27
		Ch 48 : 5240 MHz	10.42	7.25	12.13
	802.11ax 40MHz	Ch 38 : 5190 MHz	10.26	7.84	12.23
		Ch 46 : 5230 MHz	10.48	7.39	12.21
	802.11ax 80MHz	Ch 42 : 5210 MHz	10.61	7.76	12.43
NII-2A	802.11a	Ch 52 : 5260 MHz	11.40	7.21	-
		Ch 60 : 5300 MHz	11.17	6.74	-
		Ch 64 : 5320 MHz	11.13	7.09	-
	802.11ax 20MHz	Ch 52 : 5260 MHz	11.47	7.17	12.84
		Ch 60 : 5300 MHz	11.10	6.69	12.44
		Ch 64 : 5320 MHz	11.27	7.08	12.67
	802.11ax 40MHz	Ch 54 : 5270 MHz	11.35	7.05	12.72
		Ch 62 : 5310 MHz	11.39	7.15	12.78
	802.11ax 80MHz	Ch 58 : 5290 MHz	11.42	7.00	12.76
NII-2C	802.11a	Ch 100 : 5500 MHz	11.25	7.09	-



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		Ch 120 : 5600 MHz	10.58	8.14	-
		Ch 140 : 5700 MHz	10.12	8.87	-
	802.11ax 20MHz	Ch 100 : 5500 MHz	11.29	7.12	12.70
		Ch 120 : 5600 MHz	10.56	8.10	12.51
		Ch 140 : 5700 MHz	10.08	8.82	12.51
	802.11ax 40MHz	Ch 102 : 5510 MHz	11.30	7.03	12.68
		Ch 118 : 5590 MHz	10.75	8.07	12.62
		Ch 134 : 5670 MHz	10.37	8.60	12.58
	802.11ax 80MHz	Ch 106 : 5530 MHz	11.06	7.39	12.61
		Ch 122 : 5610 MHz	10.64	8.28	12.63
NII-3	802.11a	Ch 149 : 5745 MHz	9.80	8.71	-
		Ch 157 : 5785 MHz	9.71	9.04	-
		Ch 165 : 5825 MHz	9.58	9.37	-
	802.11ax 20MHz	Ch 149 : 5745 MHz	9.71	8.45	12.14
		Ch 157 : 5785 MHz	9.61	9.07	12.36
		Ch 165 : 5825 MHz	9.50	9.46	12.49
	802.11ax 40MHz	Ch 151 : 5755 MHz	9.71	8.78	12.28
		Ch 159 : 5795 MHz	9.65	9.35	12.51
	802.11ax 80MHz	Ch 155: 5775 MHz	9.64	9.22	12.45

Operating modes: Duplex

Type of modulation: OFDM

Fixed point to point operation: Yes / No

Antenna: Print antenna

Antenna gain: ANT1: 5.9 dBi
ANT2: Band 1: 6.2657 dBi 、 Band 2: 4.5855 dBi 、
Band 3: 5.9362 dBi 、 Band 4: 5.9362 dBi

Directional gain: Band 1: 9.10 dBi 、 Band 2: 8.28 dBi 、 Band 3: 8.93 dBi 、
Band 4: 8.93 dBi

Power supply: Battery 3.7Vd.c., 600mAh

Classification:

Fixed Device	☐
Mobile Device (Human Body distance > 20cm)	☐
Portable Device (Human Body distance < 20cm)	☒
Modular Radio Device	☐

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



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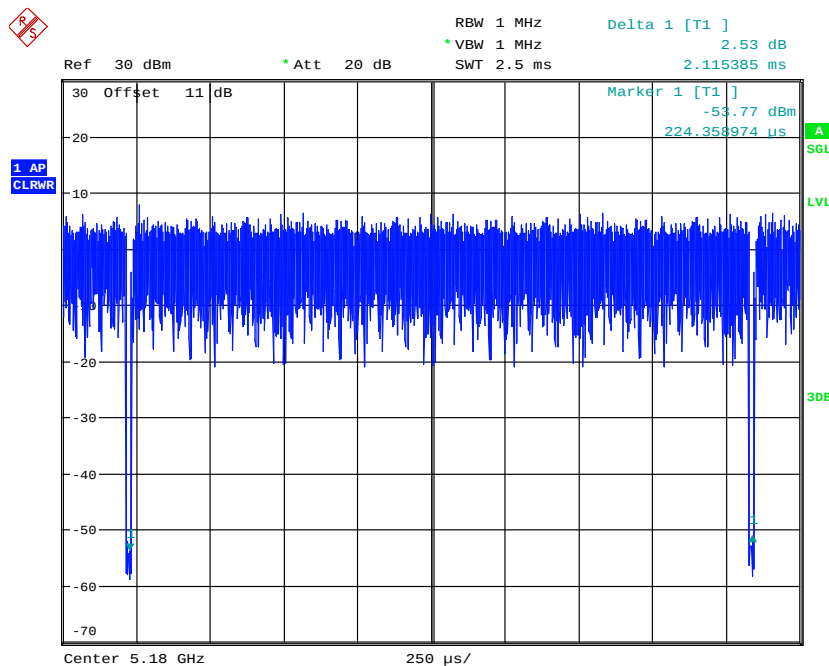
Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Manufacturer: (if applicable)

Name: ./.
Street: ./.
Town: ./.
Country: ./.

Duty cycle

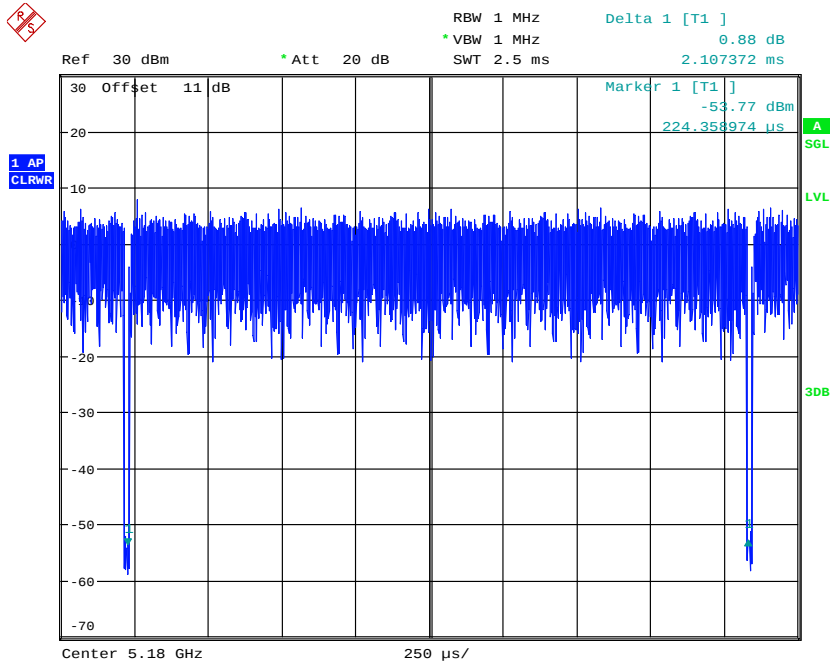
Mode	T _{on} (ms)	T _{on} +T _{off} (ms)	Duty cycle (%)	Duty Factor (dB)	1/T - VBW (kHz)
802.11a	2.107	2.115	99.62%	0.02	0.01
802.11ax(HE20)	5.473	5.473	100.00%	0.00	0.01
802.11ax(HE40)	5.473	5.473	100.00%	0.00	0.01
802.11ax(HE80)	5.473	5.473	100.00%	0.00	0.01



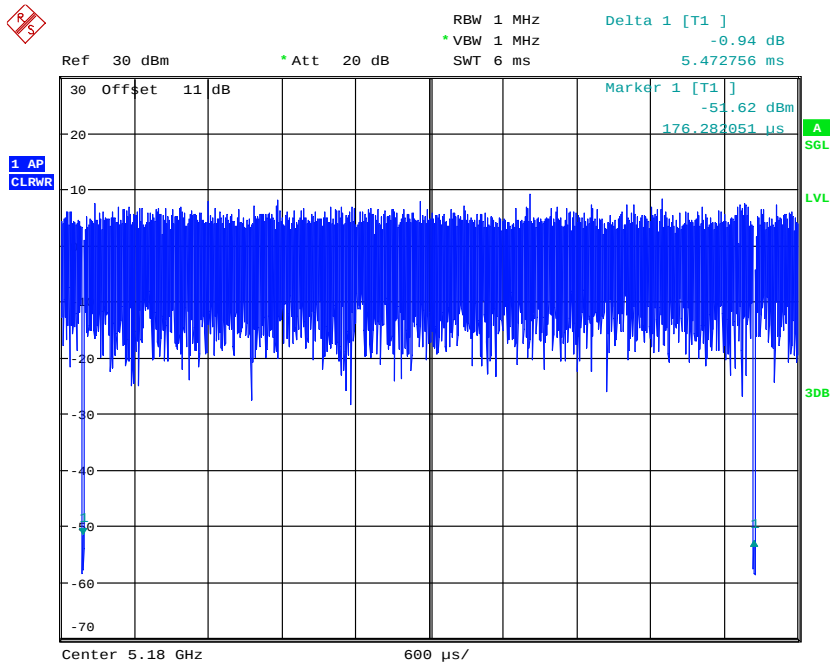
DUTY 802.11A
Date: 7.OCT.2024 09:40:45



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



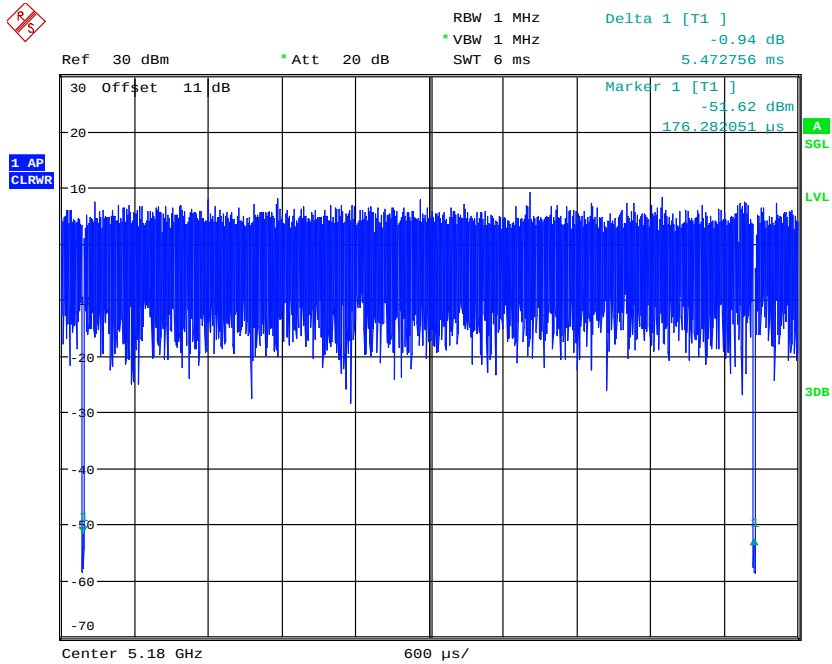
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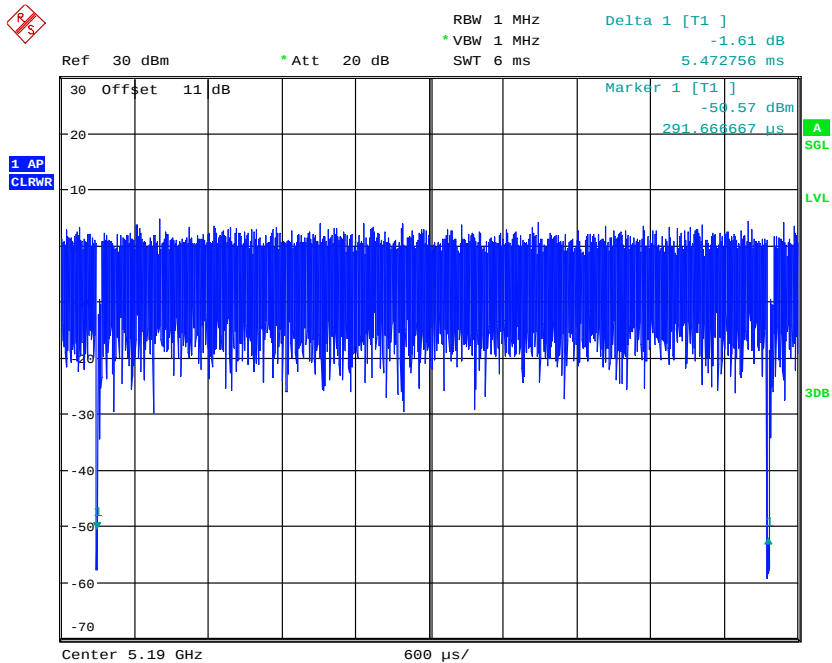
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Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



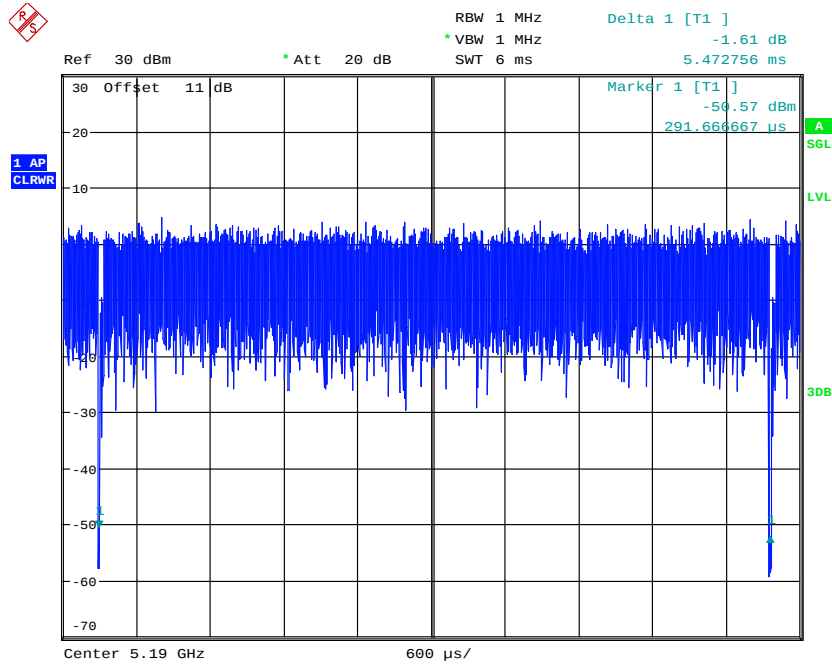
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Date: 7.OCT.2024 09:41:49



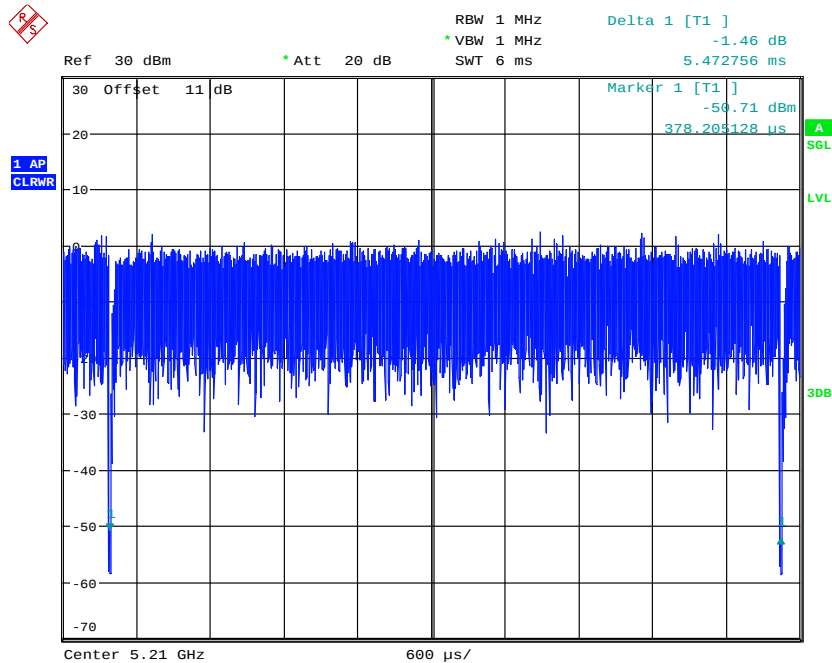
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Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



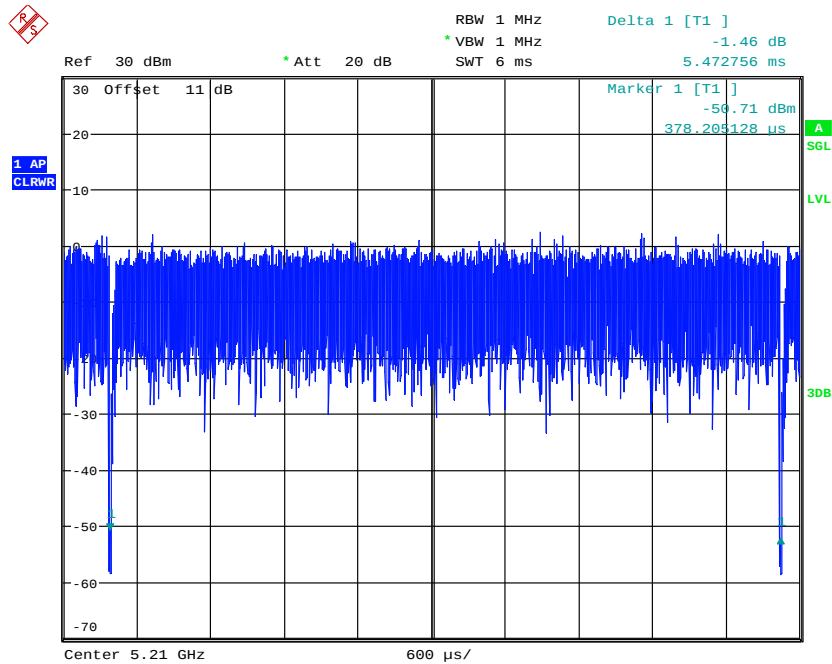
DUTY 802.11AX40
Date: 7.OCT.2024 09:42:32



DUTY 802.11AX80
Date: 7.OCT.2024 09:43:38



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



DUTY 802.11AX80
Date: 7.OCT.2024 09:43:41

1.6 Test standards

47 CFR PART 15 SUBPART E § 15.407 (2023-10)
ANSI C63.10-2013



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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: Battery 3.7Vd.c., 600mAh

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 : 1.85 dB 30-1000 MHz : 3.92 dB 1-18 GHz : 3.19 dB 18-40 GHz : 1.90 dB
Estimation Result of Uncertainty of Bandwidth Measurement (26dB emission bandwidth, 99% Occupied Bandwidth, 6dB emission bandwidth, 99% Occupied Bandwidth)	Expanded Uncertainty : 0.37 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Transmit Power)	Expanded Uncertainty : 1.63 dB
Estimation Result of Uncertainty of Power Density Measurement (Peak Power Spectral Density)	Expanded Uncertainty : 1.63 dB
Estimation Result of Uncertainty of EIRP Measurement (Equivalent Isotropic Radiated Power (EIRP), Radiated Emissions from Receiver Part)	Expanded Uncertainty : 30-200MHz : 2.05 dB 200-1000MHz : 2.04 dB 1-18GHz : 3.93 dB 18-40GHz : 2.89 dB
Estimation Result of Uncertainty of DFS Timing (Dynamic Frequency Selection (DFS), Channel Move Time, Channel Closing Transmission Time)	Expanded Uncertainty : 601.18 us
Estimation Result of Uncertainty of DFS Threshold (Dynamic Frequency Selection (DFS), Channel Move Time, Channel Closing Transmission Time)	Expanded Uncertainty : 1.12 dB

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



Worldwide Testing Services(Taiwan) Co., Ltd.

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2.3 Test Equipment List

Original

Max output power & Power density & 26dB bandwidth & 6dB bandwidth & Occupied Bandwidth

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

DFS

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-RE 133	EXA Signal Analyzer	N9010A	MY53470566	Agilent	2024/5/9	2025/5/8
ETSTW-RE 134	MXG Vector Signal Generator	N5182B	MY53050664	Agilent	2024/5/10	2025/5/9
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2024/8/26	2025/8/25
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2024/2/16	2025/2/15

Spurious Emission (966A)

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2024/9/11	2025/9/10
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2024/4/10	2025/4/9
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2024/7/12	2025/7/11
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	2024/7/12	2025/7/11
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2024/7/12	2025/7/11
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2024/7/12	2025/7/11
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	

New testing

Max output power & Power density

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2025/2/14	2026/2/13
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	2025/2/14	2026/2/13
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13



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Spurious Emission (966A)

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2024/9/11	2025/9/10
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2024/4/10	2025/4/9
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2024/7/12	2025/7/11
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 030	Double-Ridged Guide Horn Antenna	3117	35224	ETS-Lindgren	2024/5/15	2025/5/14
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2024/7/12	2025/7/11
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2024/7/12	2025/7/11
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2024/7/12	2025/7/11
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	



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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 $\geq$ 3 MHz.
- (iv) Number of points in sweep $\geq$ 2 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 $\geq$ 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



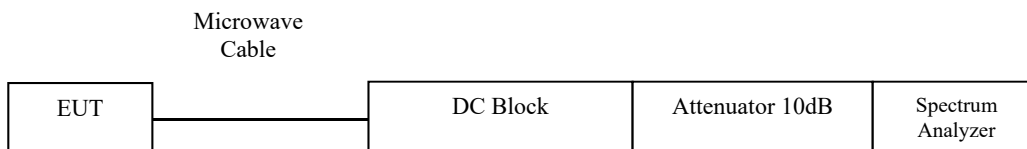
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a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (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)	☒	☒	☐
6-dB emission bandwidth	15.407(a)	☒	☒	☐
26-dB emission bandwidth	15.407(a)	☒	☒	☐
99 % Occupied Bandwidth	789033 D02 General U-NII Test Procedures New Rules v02r01	☒	☒	☐
Peak Power Spectral Density	15.407(a)	☒	☒	☐
Undesirable emission limits	15.407(b)	☒	☒	☐
Radio Frequency Exposure	15.407(f)	☒	☒	☐
Transmit Power Control	15.407(h)	☐	☐	☐
Dynamic Frequency Selection (DFS)	15.407(h)	☒	☒	☐
UNII Detection Bandwidth	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.1	☒	☒	☐
Initial Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.1	☒	☒	☐
Radar Burst at the Beginning of the Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.2	☒	☒	☐
Radar Burst at the End of the Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.3	☒	☒	☐
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	☒	☒	☐
Statistical Performance Check	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.4	☒	☒	☐
Radiated Emission from Receiver Part	15.109	☐	☐	☐
AC Conducted Emissions	15.207	☒	☒	☐

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 $11\text{dBm} + 10 \log B$, whichever is lower ($B=26\text{-dB emission BW}$).
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).

Original

Test date: October 04, 2024-October 06, 2024

Temperature: 26.8 °C

Humidity: 56.3 %

Tester: Sora

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	12.11	7.99	-	0.02	26.90
		Ch 44 : 5220 MHz	12.54	7.57	-	0.02	26.90
		Ch 48 : 5240 MHz	12.60	7.30	-	0.02	26.90
	802.11ax 20M	Ch 36 : 5180 MHz	11.95	7.96	13.41	0.00	26.90
		Ch 44 : 5220 MHz	12.44	7.53	13.66	0.00	26.90
		Ch 48 : 5240 MHz	12.48	7.25	13.62	0.00	26.90
	802.11ax 40M	Ch 38 : 5190 MHz	12.16	7.84	13.53	0.00	26.90
		Ch 46 : 5230 MHz	12.57	7.39	13.72	0.00	26.90
	802.11ax 80M	Ch 42 : 5210 MHz	12.42	7.76	13.70	0.00	26.90
NII-2A	802.11a	Ch 52 : 5260 MHz	12.72	7.21	-	0.02	21.72
		Ch 60 : 5300 MHz	12.68	6.74	-	0.02	21.72
		Ch 64 : 5320 MHz	12.66	7.09	-	0.02	21.72
	802.11ax 20M	Ch 52 : 5260 MHz	12.63	7.17	13.72	0.00	21.72
		Ch 60 : 5300 MHz	12.60	6.69	13.59	0.00	21.72
		Ch 64 : 5320 MHz	12.60	7.08	13.67	0.00	21.72
	802.11ax 40M	Ch 54 : 5270 MHz	12.66	7.05	13.71	0.00	21.72
		Ch 62 : 5310 MHz	12.79	7.15	13.84	0.00	21.72
	802.11ax 80M	Ch 58 : 5290 MHz	12.80	7.00	13.81	0.00	21.72



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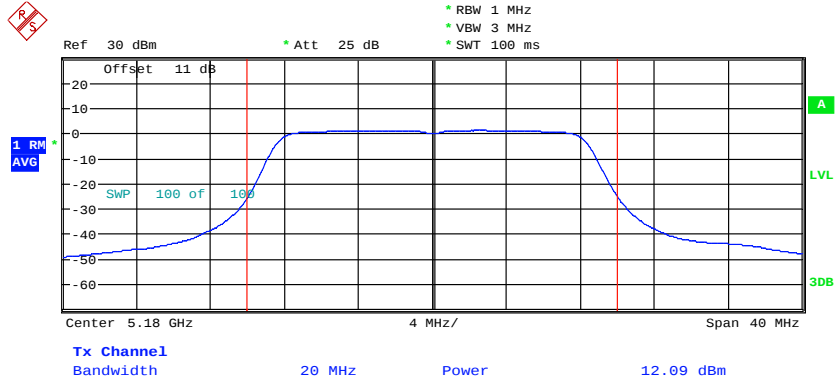
NII-2C	802.11a	Ch 100 : 5500 MHz	11.25	7.09	-	0.02	21.07
		Ch 120 : 5600 MHz	10.58	8.14	-	0.02	21.07
		Ch 140 : 5700 MHz	10.12	8.87	-	0.02	21.07
	802.11ax 20M	Ch 100 : 5500 MHz	11.29	7.12	12.70	0.00	21.07
		Ch 120 : 5600 MHz	10.56	8.10	12.51	0.00	21.07
		Ch 140 : 5700 MHz	10.08	8.82	12.51	0.00	21.07
	802.11ax 40M	Ch 102 : 5510 MHz	11.30	7.03	12.68	0.00	21.07
		Ch 118 : 5590 MHz	10.75	8.07	12.62	0.00	21.07
		Ch 134 : 5670 MHz	10.37	8.60	12.58	0.00	21.07
	802.11ax 80M	Ch 106 : 5530 MHz	11.06	7.39	12.61	0.00	21.07
		Ch 122 : 5610 MHz	10.64	8.28	12.63	0.00	21.07
NII-3	802.11a	Ch 149 : 5745 MHz	9.80	9.86	-	0.02	27.07
		Ch 157 : 5785 MHz	9.71	10.44	-	0.02	27.07
		Ch 165 : 5825 MHz	9.58	10.87	-	0.02	27.07
	802.11ax 20M	Ch 149 : 5745 MHz	9.71	9.85	12.79	0.00	27.07
		Ch 157 : 5785 MHz	9.61	10.39	13.03	0.00	27.07
		Ch 165 : 5825 MHz	9.50	10.80	13.21	0.00	27.07
	802.11ax 40M	Ch 151 : 5755 MHz	9.71	9.93	12.83	0.00	27.07
		Ch 159 : 5795 MHz	9.65	10.50	13.11	0.00	27.07
	802.11ax 80M	Ch 155 : 5775 MHz	9.64	10.39	13.04	0.00	27.07



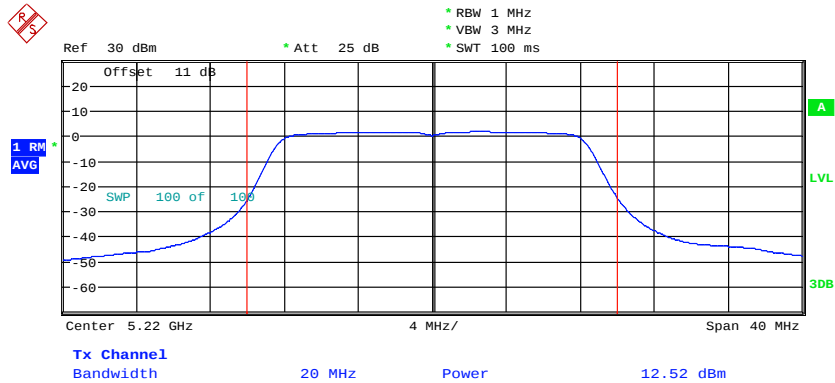
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FCC ID: 2AG3J-WRPT50001

ANT 1

5.15 GHz ~ 5.25 GHz



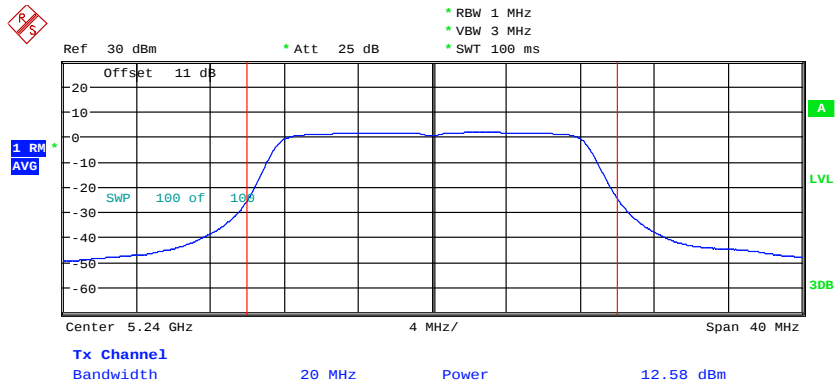
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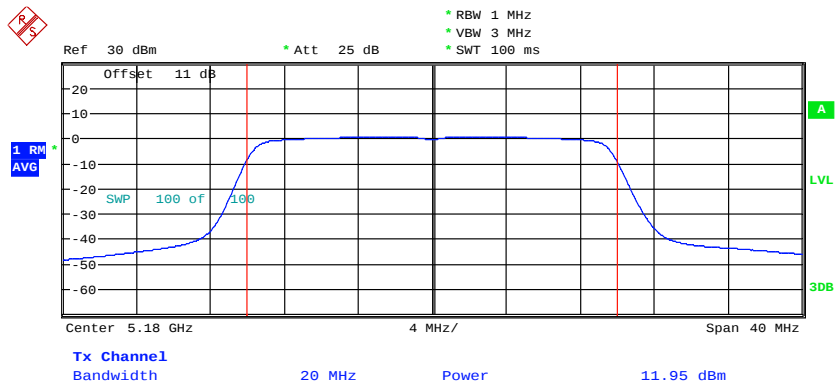
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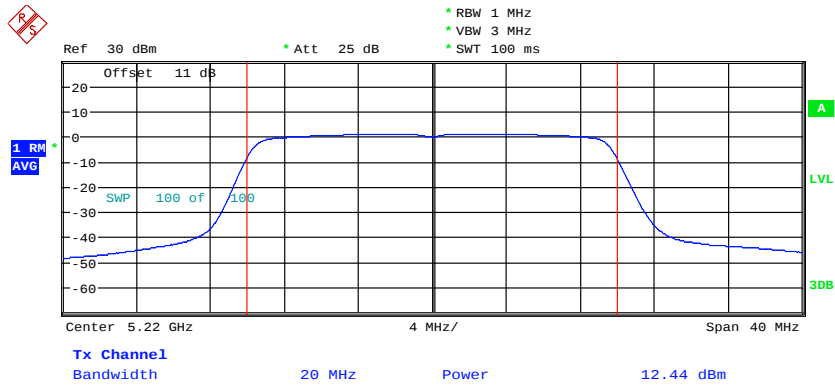
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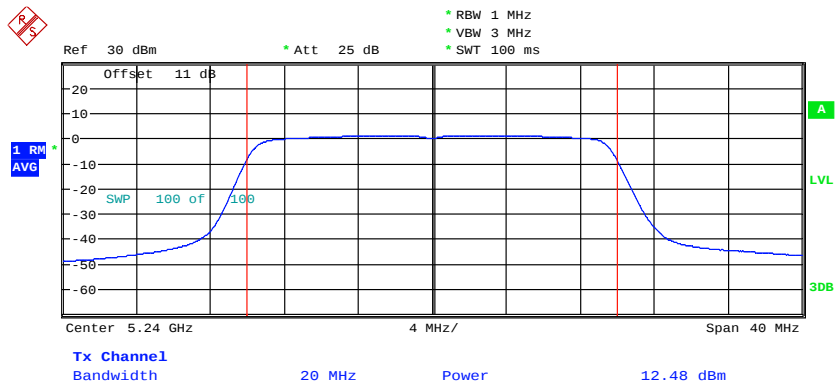
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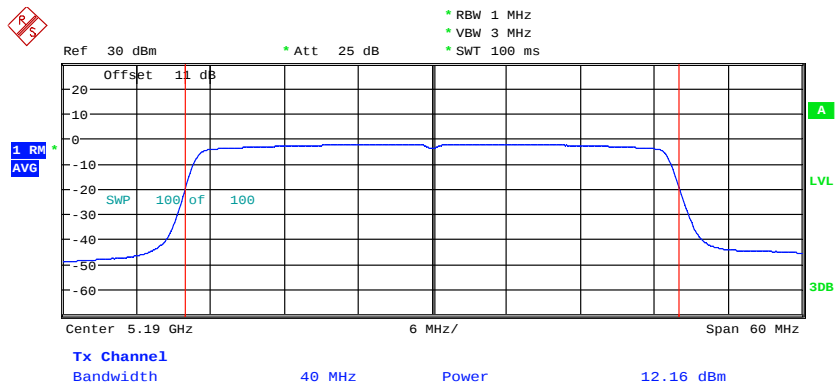
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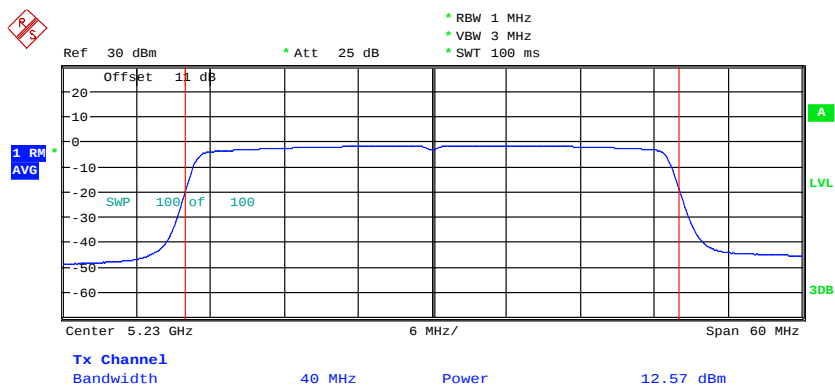
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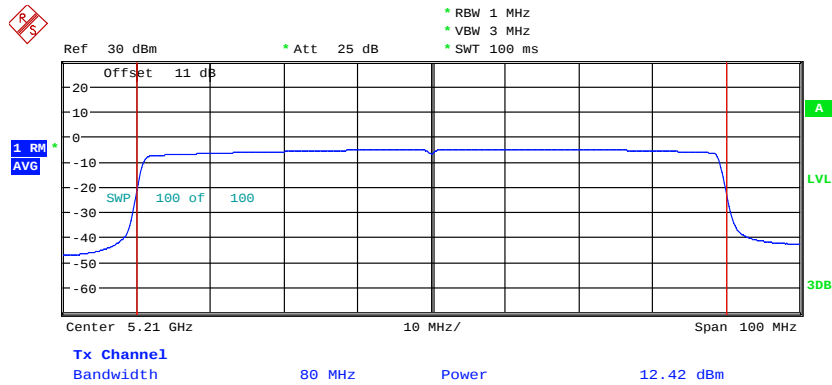
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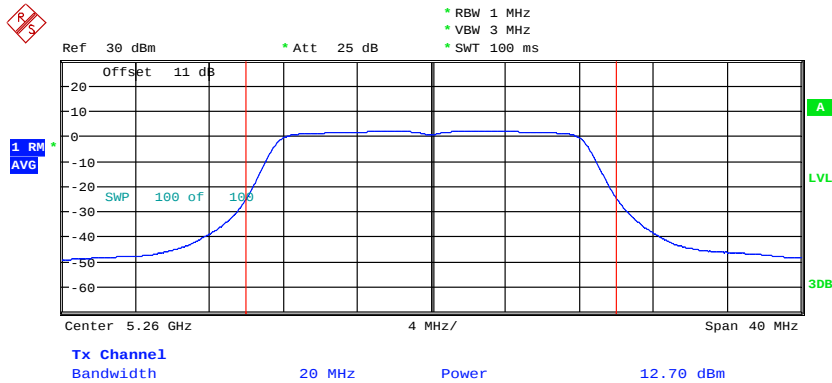


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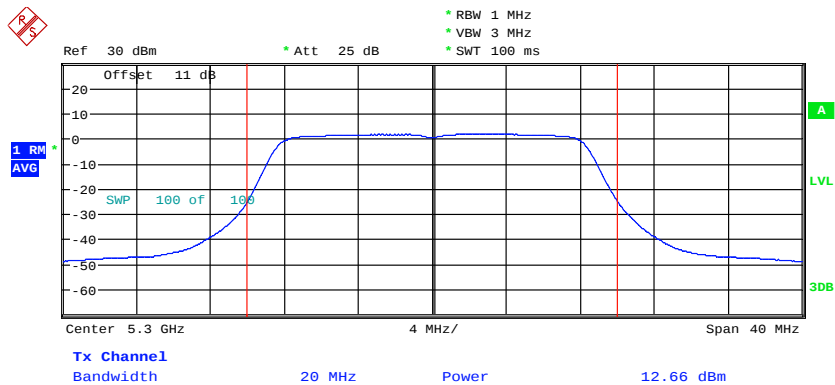
5.25 GHz ~ 5.35 GHz



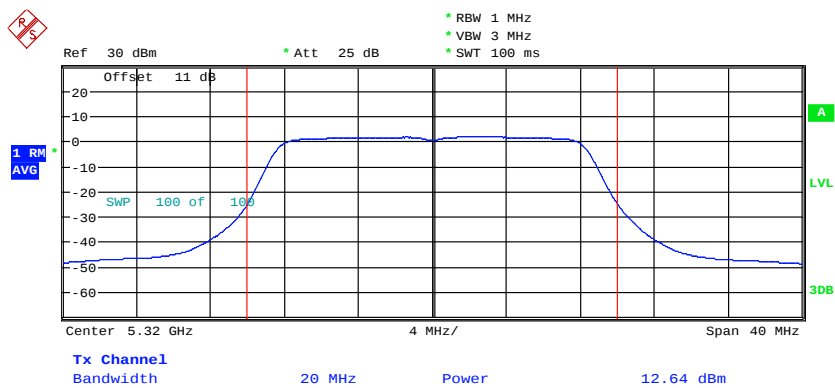
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Registration number: W6M22405-23479-C-55
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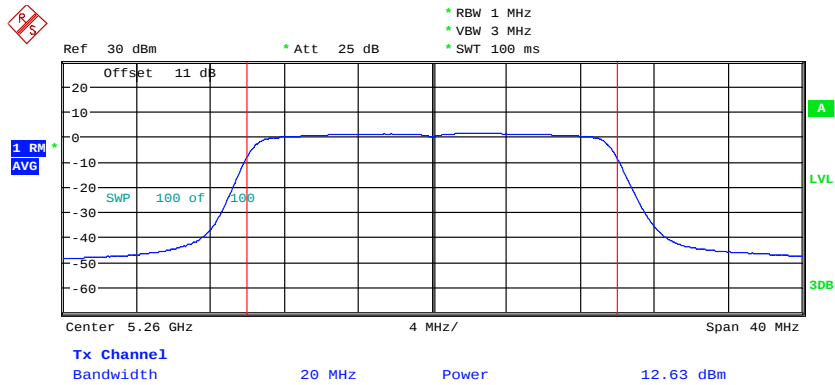
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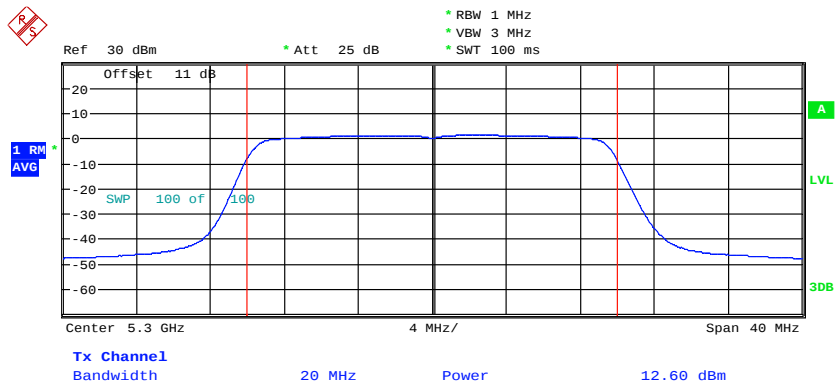
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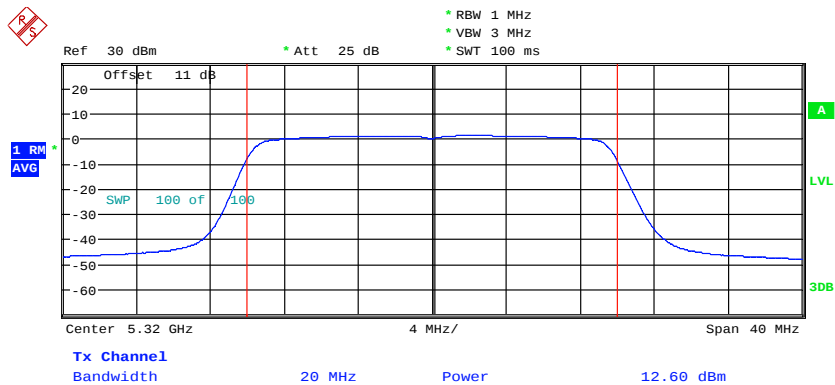
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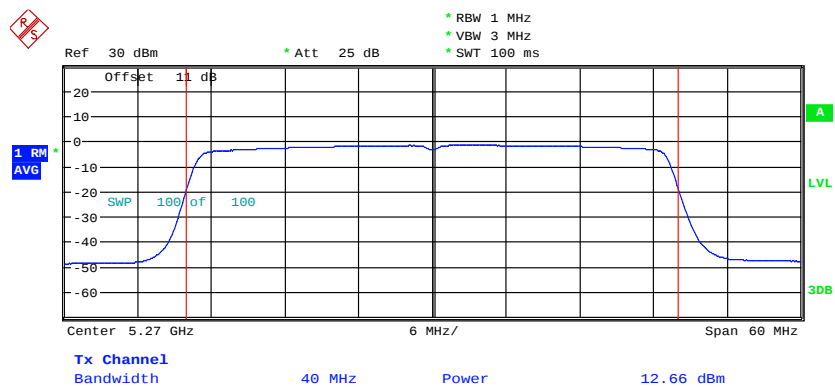
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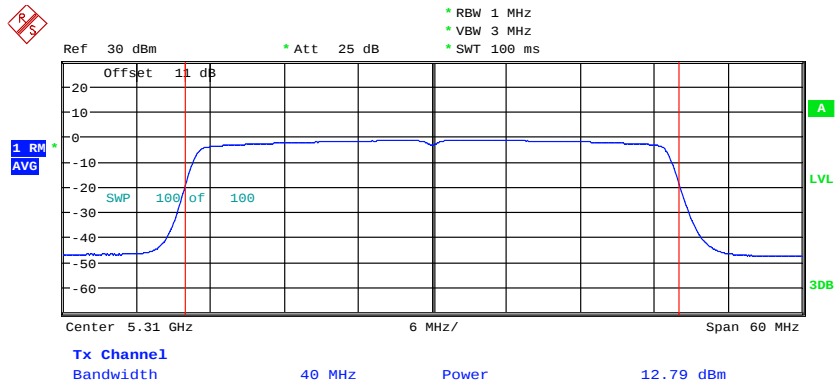
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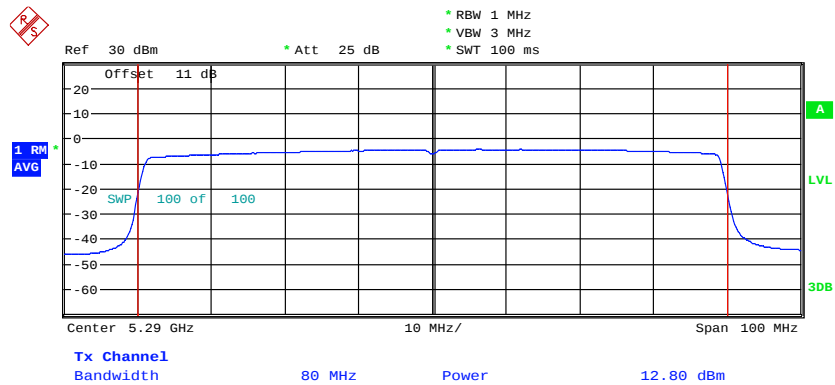
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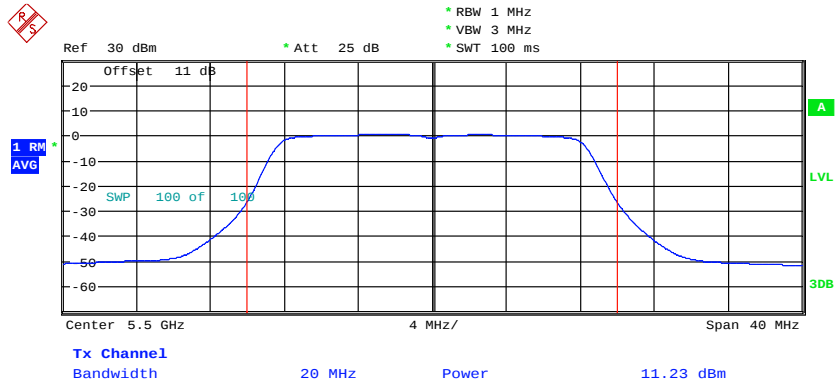
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Registration number: W6M22405-23479-C-55

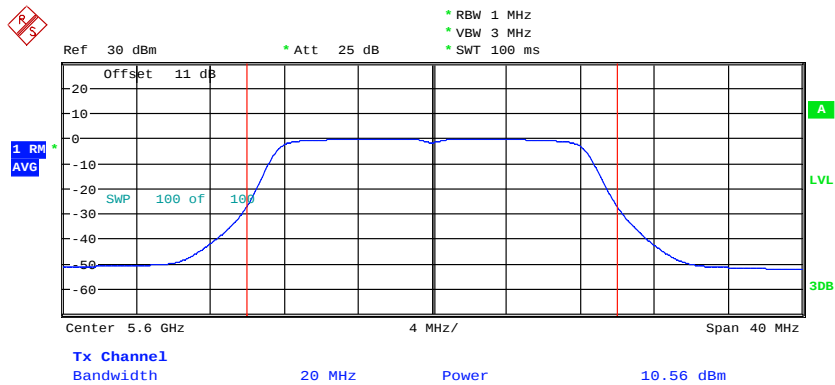
FCC ID: 2AG3J-WRPT50001

5.47 GHz ~ 5.725 GHz



MAXIMUM CONDUCTED POWER ANT1_11aCH100

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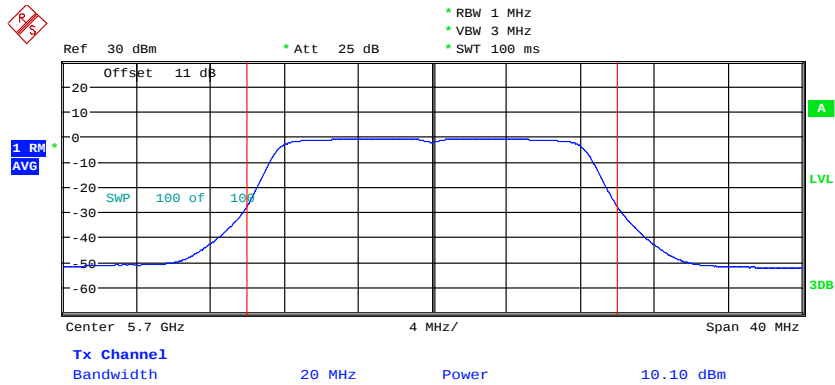


MAXIMUM CONDUCTED POWER ANT1_11aCH120

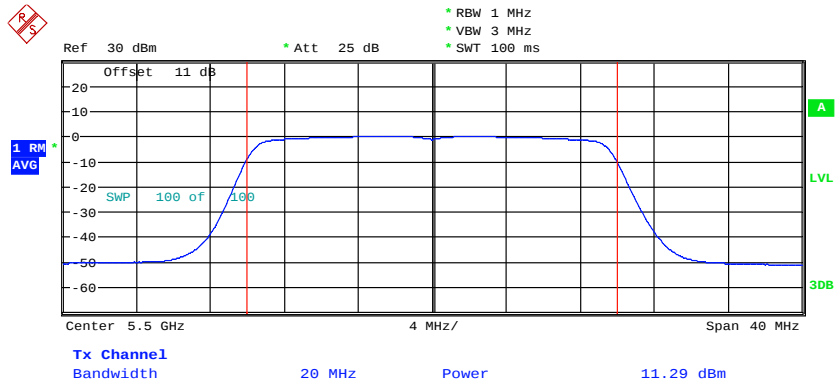
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Registration number: W6M22405-23479-C-55
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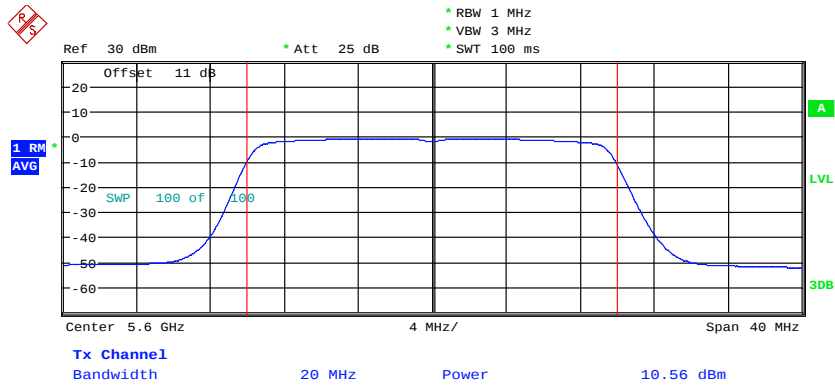
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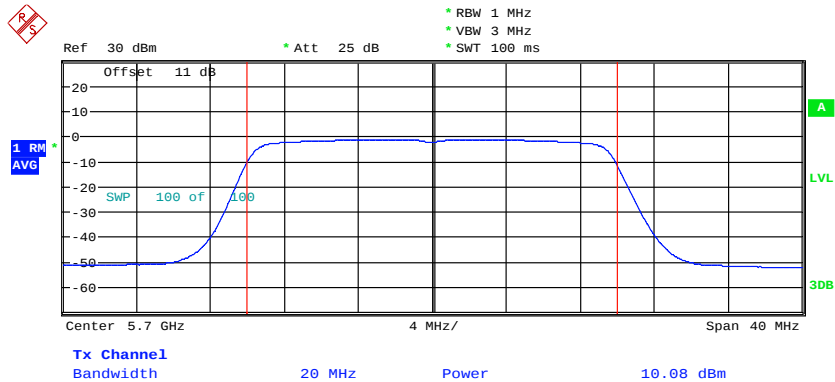
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Registration number: W6M22405-23479-C-55
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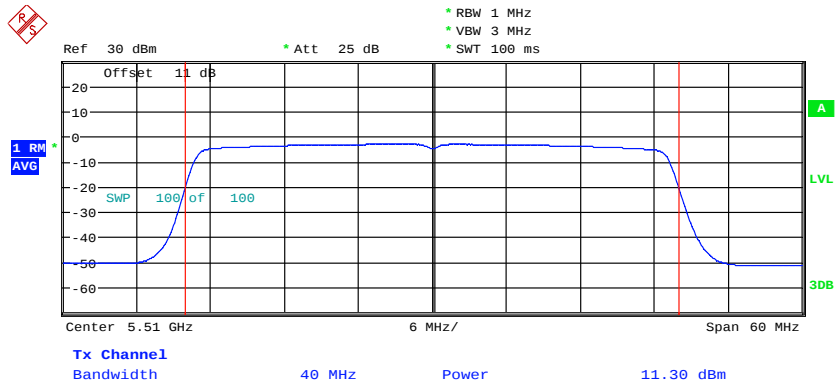
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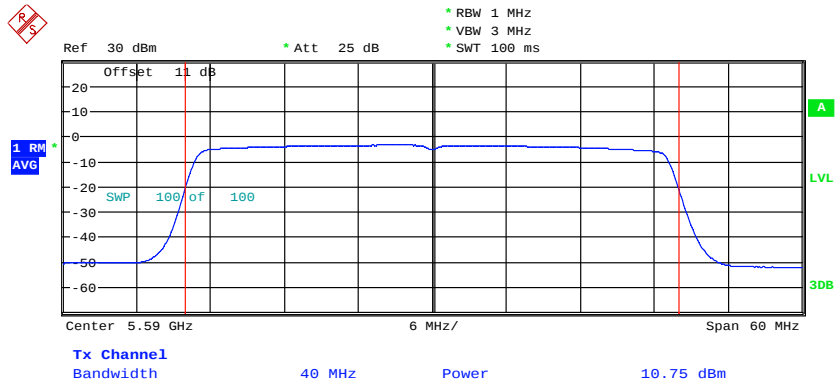
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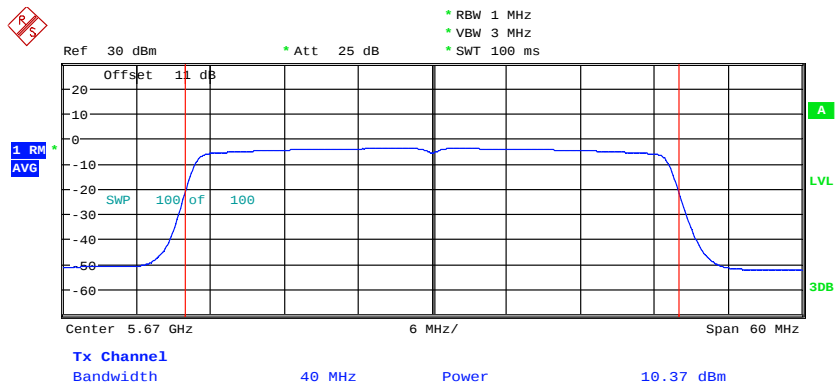
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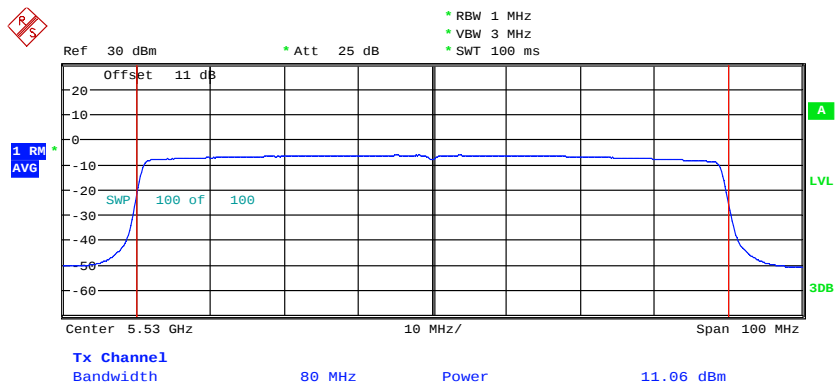
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Date: 4.OCT.2024 17:07:29



Registration number: W6M22405-23479-C-55
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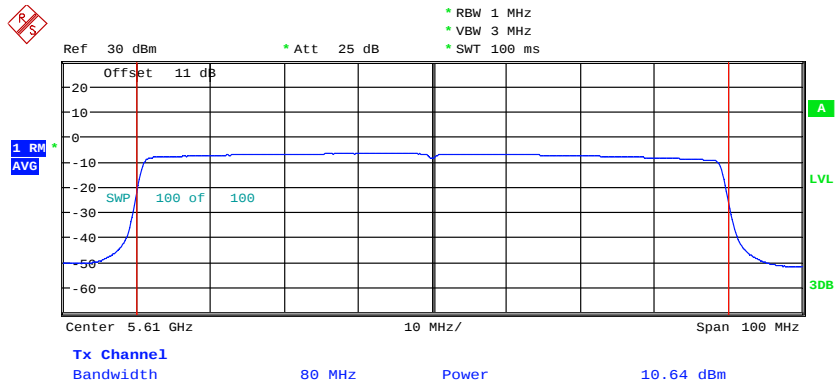
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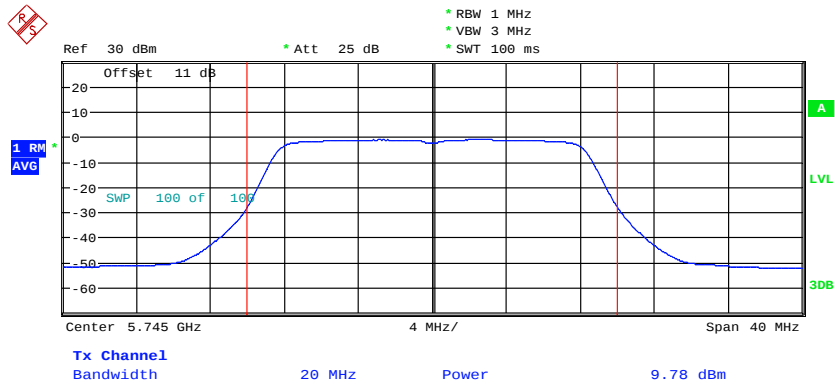


Registration number: W6M22405-23479-C-55
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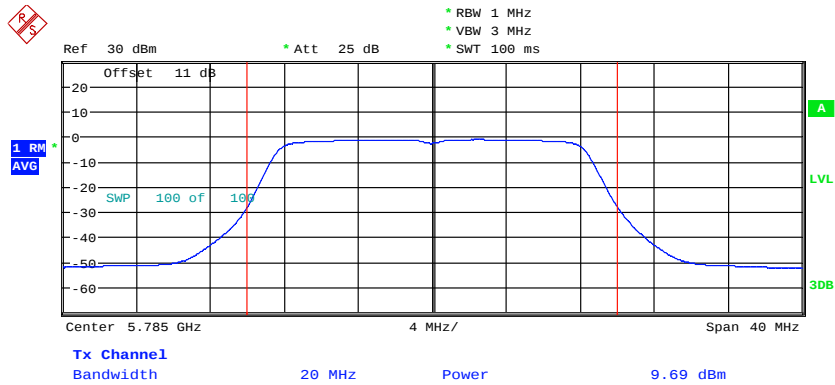
5.725 GHz ~ 5.85 GHz



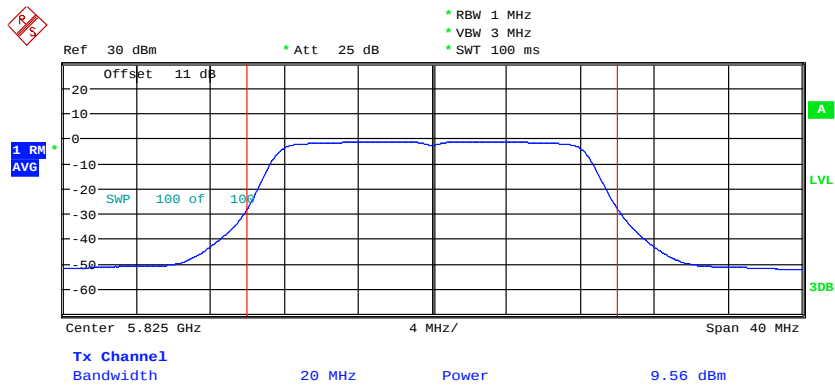
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Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



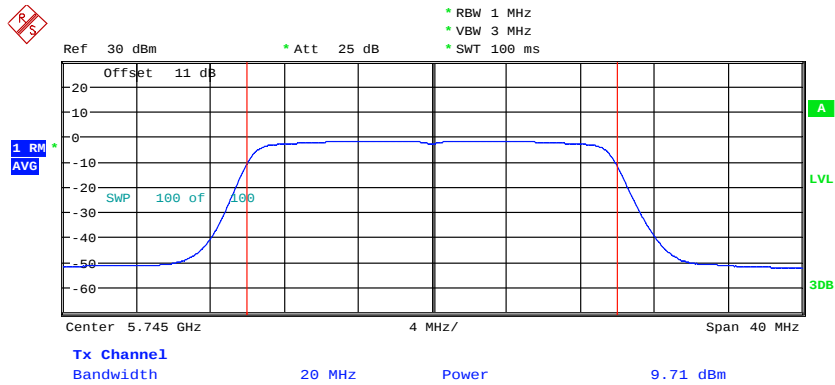
MAXIMUM CONDUCTED POWER ANT1_11aCH157
Date: 4.OCT.2024 15:40:30



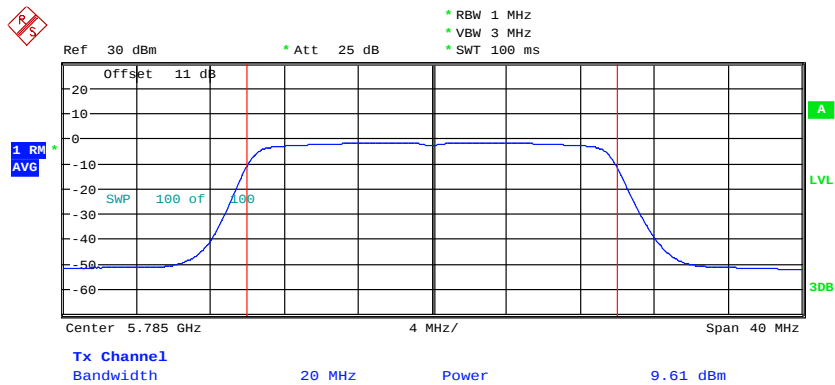
MAXIMUM CONDUCTED POWER ANT1_11aCH165
Date: 4.OCT.2024 15:42:25



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



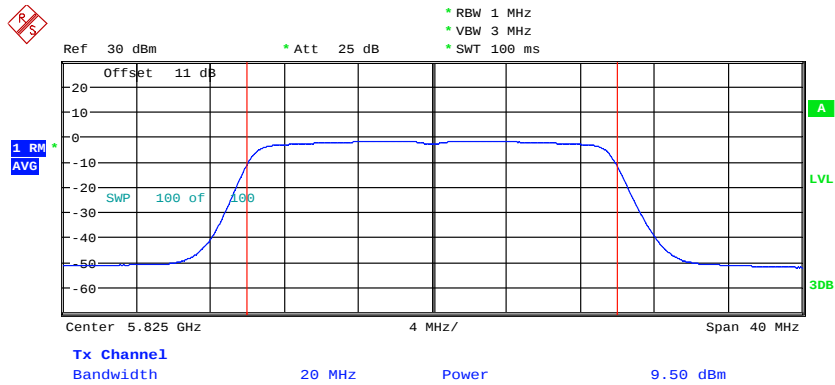
MAXIMUM CONDUCTED POWER ANT1_11ax20CH149
Date: 4.OCT.2024 16:54:43



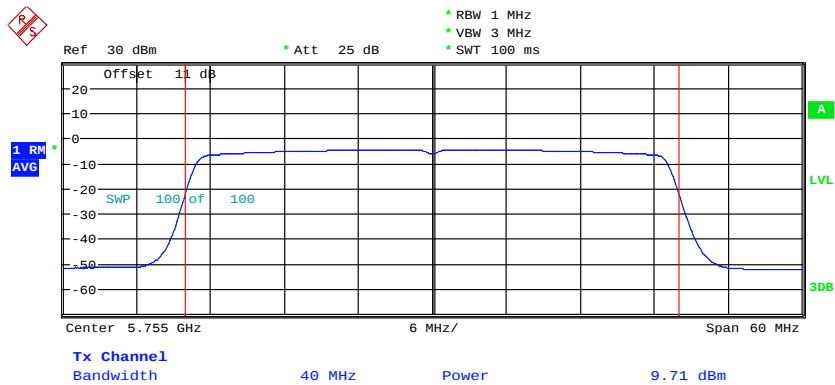
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Date: 4.OCT.2024 16:54:14



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



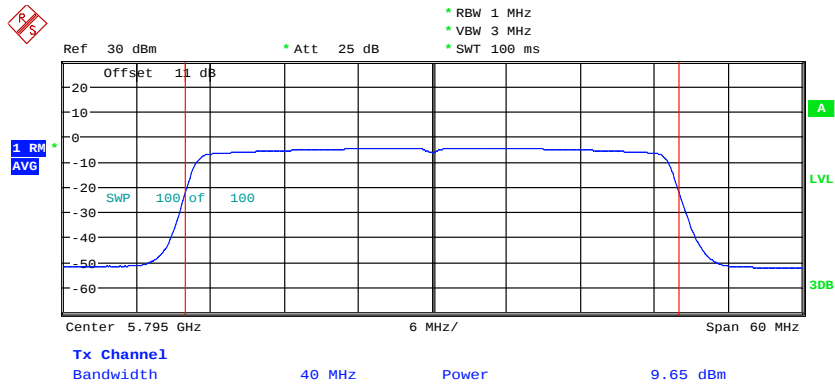
MAXIMUM CONDUCTED POWER ANT1_11ax20CH165
Date: 4.OCT.2024 16:53:48



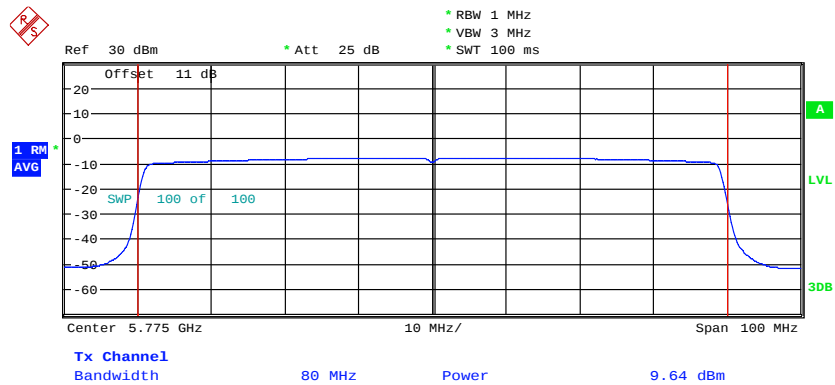
MAXIMUM CONDUCTED POWER ANT1_11ax40CH151
Date: 4.OCT.2024 17:08:26



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT1_11ax40CH159
Date: 4.OCT.2024 17:08:54



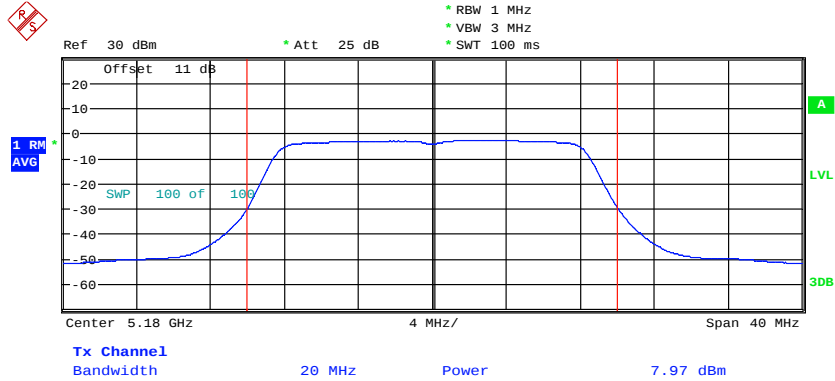
MAXIMUM CONDUCTED POWER ANT1_11ax80CH155
Date: 4.OCT.2024 17:16:33



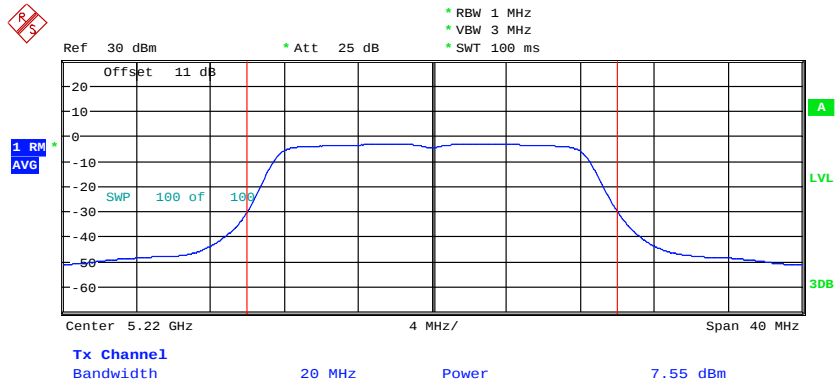
Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

ANT 2

5.15 GHz ~ 5.25 GHz



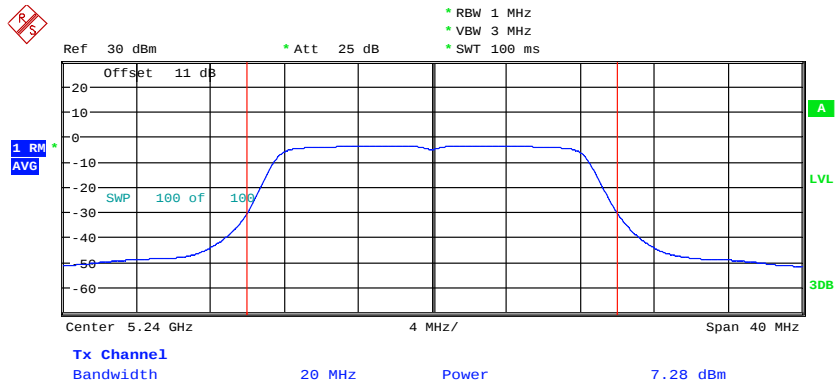
MAXIMUM CONDUCTED POWER ANT2_11aCH36
Date: 4.OCT.2024 15:53:45



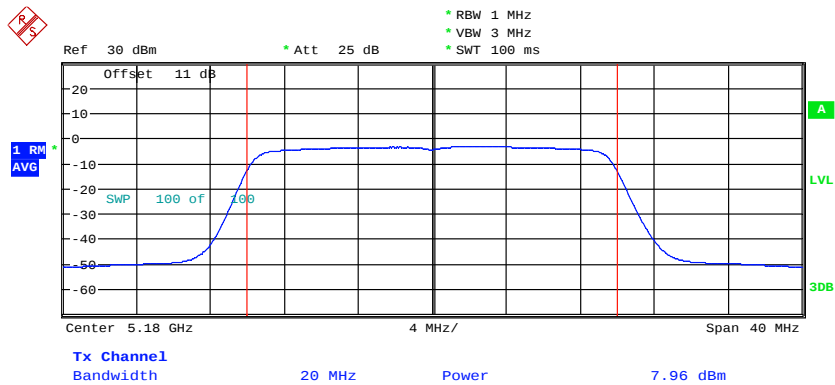
MAXIMUM CONDUCTED POWER ANT2_11aCH44
Date: 4.OCT.2024 15:55:28



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



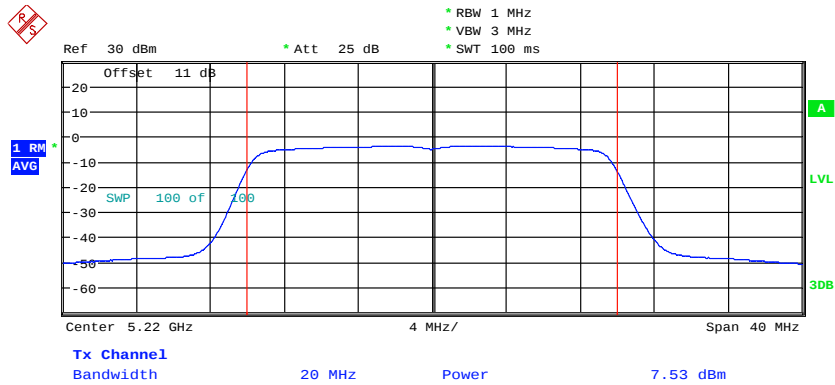
MAXIMUM CONDUCTED POWER ANT2_11aCH48
Date: 4.OCT.2024 15:56:35



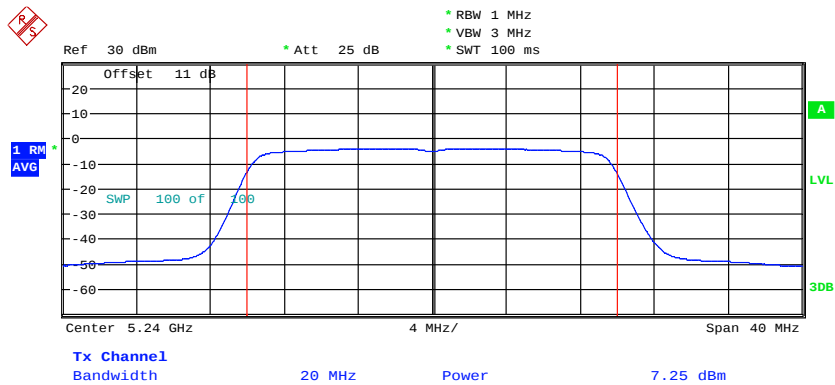
MAXIMUM CONDUCTED POWER ANT2_11ax20CH36
Date: 4.OCT.2024 16:48:28



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11ax20CH44
Date: 4.OCT.2024 16:48:52

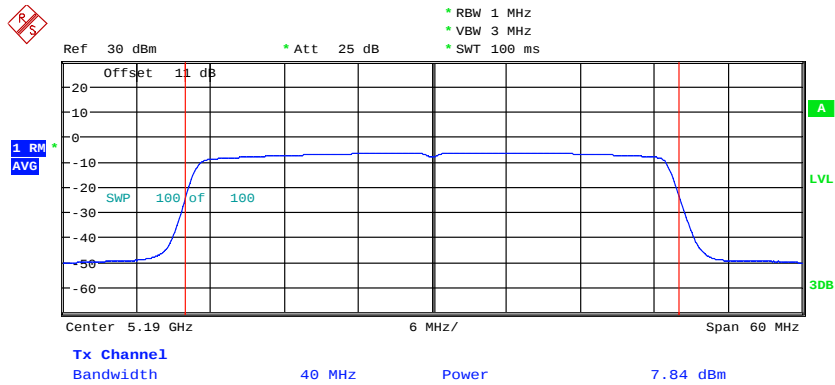


MAXIMUM CONDUCTED POWER ANT2_11ax20CH48
Date: 4.OCT.2024 16:49:24

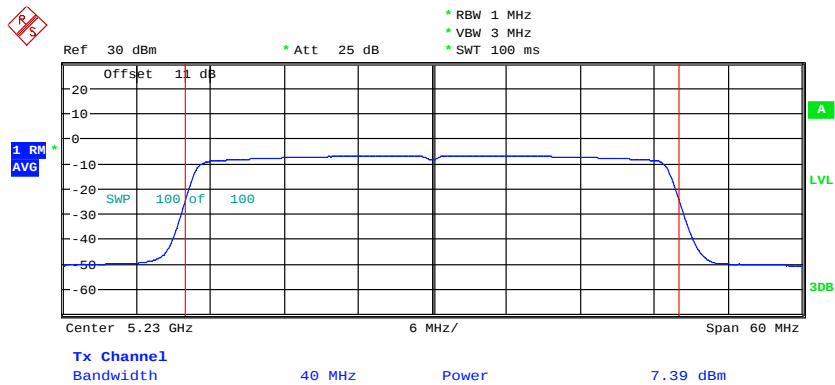


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



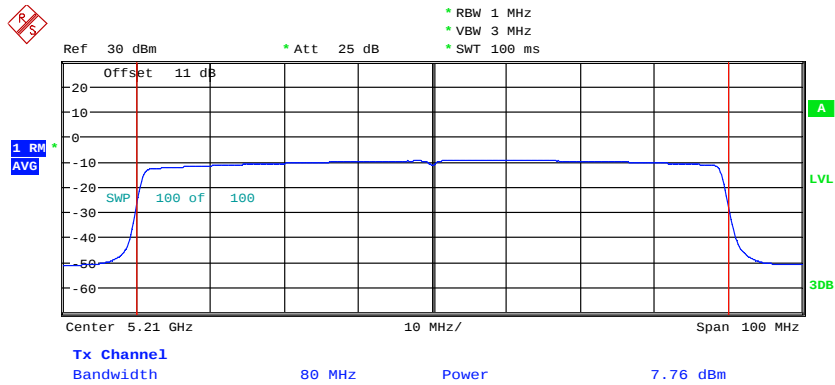
MAXIMUM CONDUCTED POWER ANT2_11ax40CH38
Date: 4.OCT.2024 17:13:02



MAXIMUM CONDUCTED POWER ANT2_11ax40CH46
Date: 4.OCT.2024 17:12:38

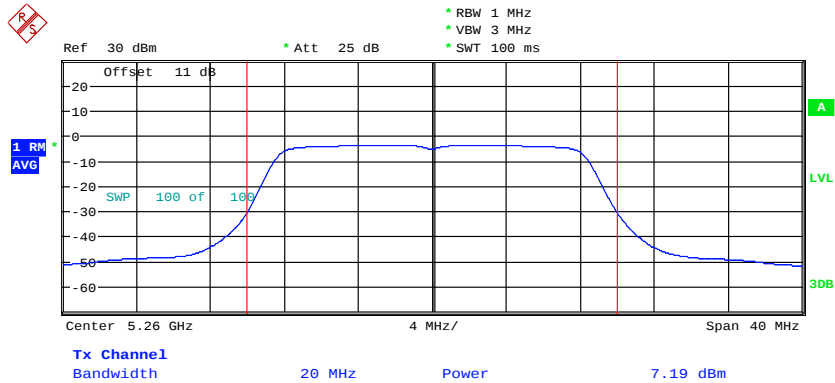


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11aX80CH42
Date: 4.OCT.2024 17:14:02

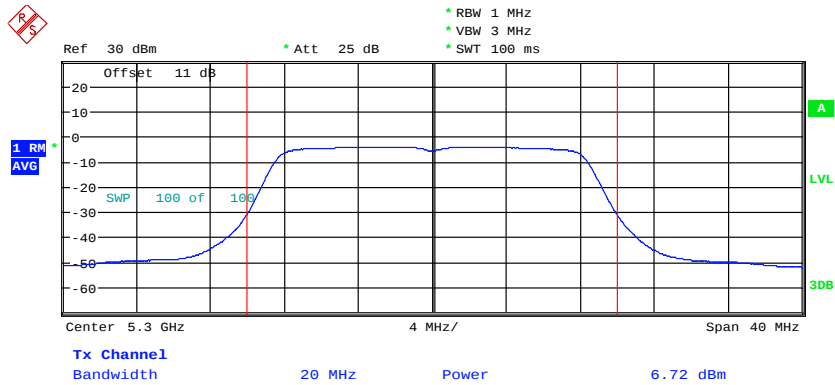
5.25 GHz ~ 5.35 GHz



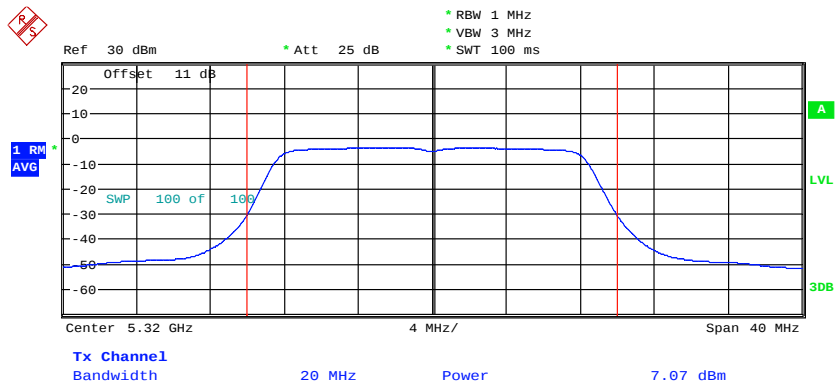
MAXIMUM CONDUCTED POWER ANT2_11aCH52
Date: 4.OCT.2024 15:57:57



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



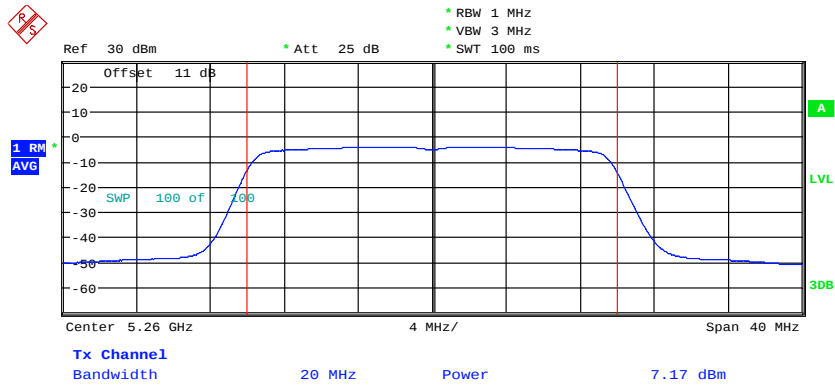
MAXIMUM CONDUCTED POWER ANT2_11aCH60
Date: 4.OCT.2024 15:59:12



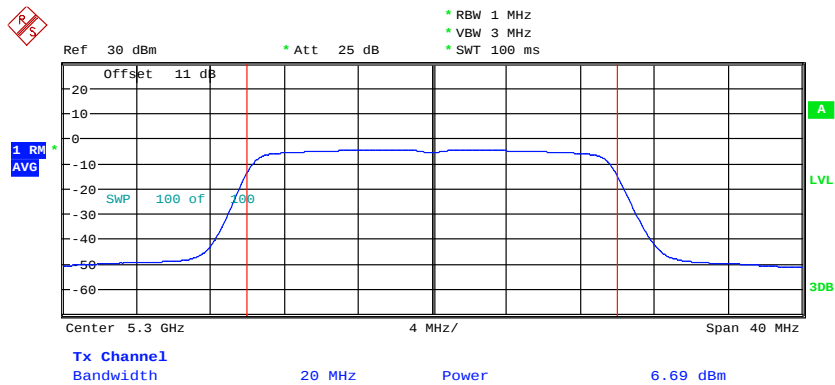
MAXIMUM CONDUCTED POWER ANT2_11aCH64
Date: 4.OCT.2024 16:00:40



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11ax20CH52
Date: 4.OCT.2024 16:49:49

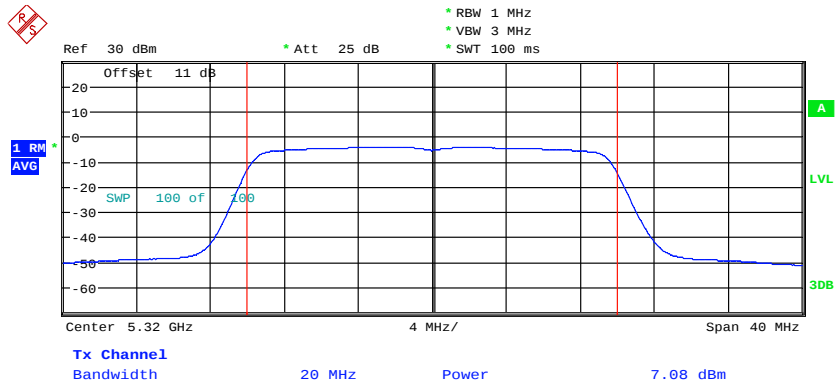


MAXIMUM CONDUCTED POWER ANT2_11ax20CH60
Date: 4.OCT.2024 16:50:16

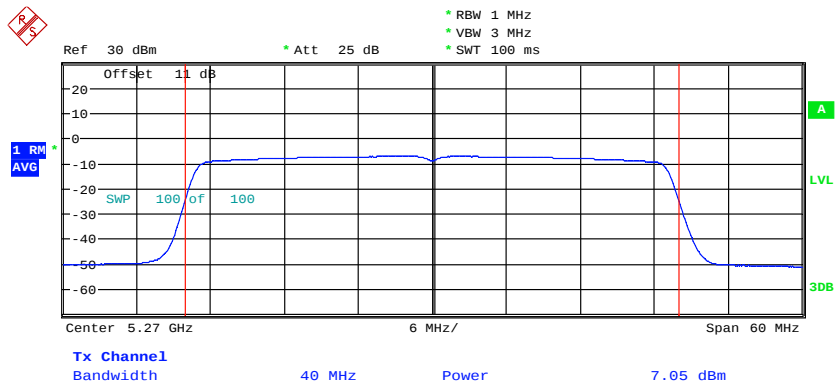


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



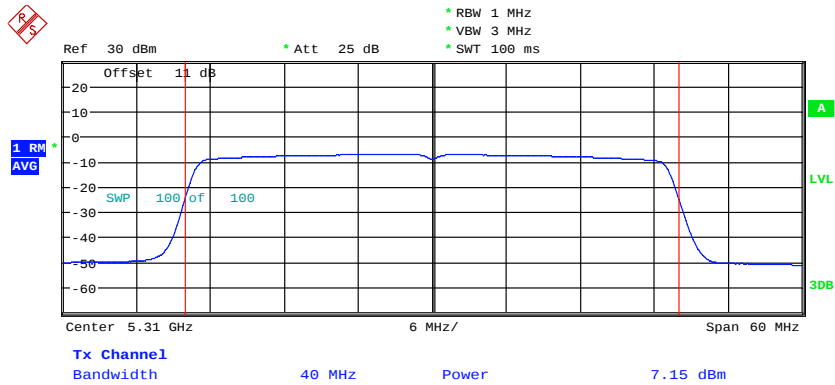
MAXIMUM CONDUCTED POWER ANT2_11ax20CH64
Date: 4.OCT.2024 16:50:44



MAXIMUM CONDUCTED POWER ANT2_11ax40CH54
Date: 4.OCT.2024 17:12:10

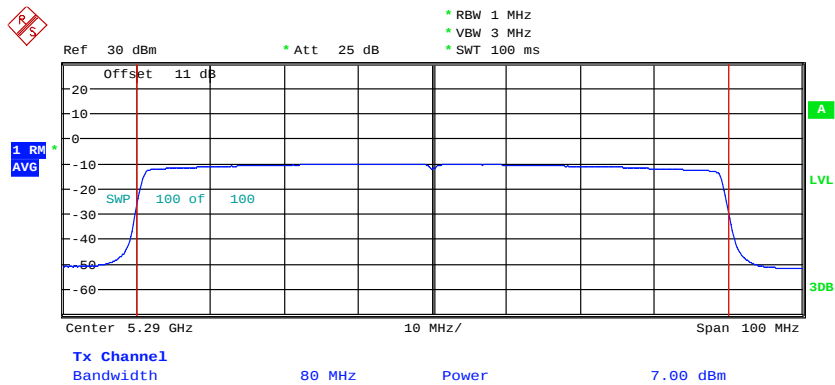


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11ax40CH62

Date: 4.OCT.2024 17:11:44



MAXIMUM CONDUCTED POWER ANT2_11ax80CH58

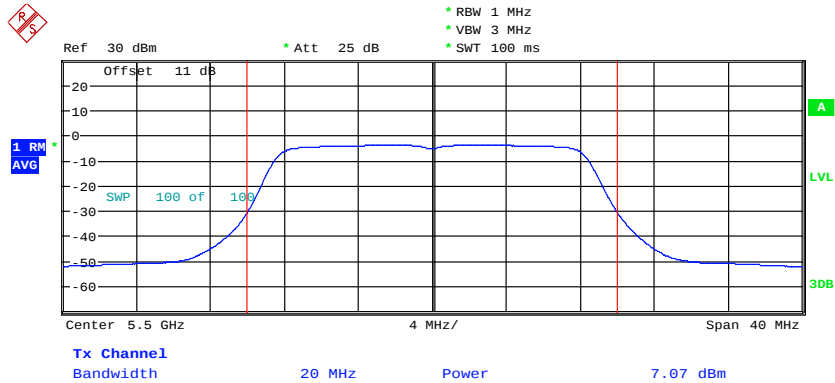
Date: 4.OCT.2024 17:14:40



Registration number: W6M22405-23479-C-55

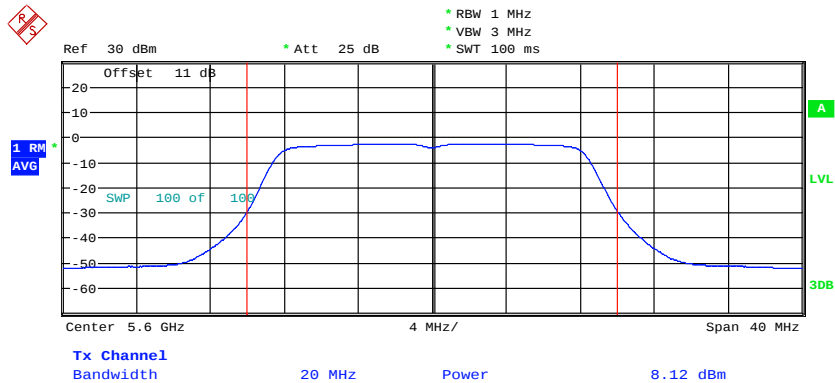
FCC ID: 2AG3J-WRPT50001

5.47 GHz ~ 5.725 GHz



MAXIMUM CONDUCTED POWER ANT2_11aCH100

Date: 4.OCT.2024 15:49:07

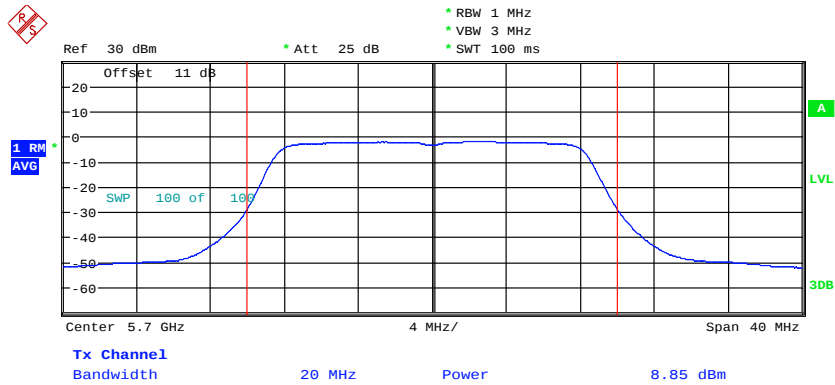


MAXIMUM CONDUCTED POWER ANT2_11aCH120

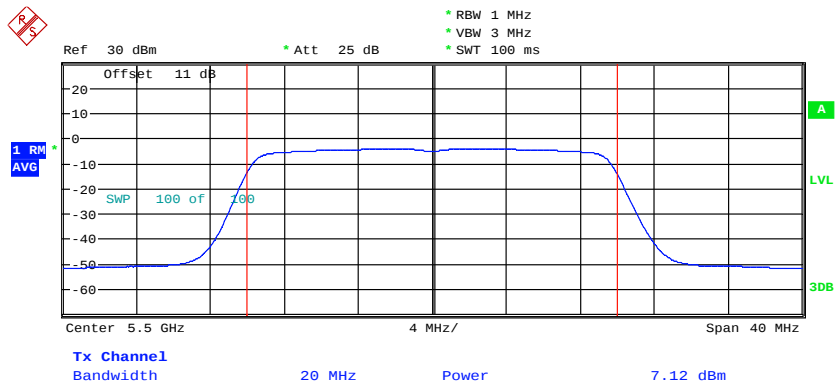
Date: 4.OCT.2024 15:50:15



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



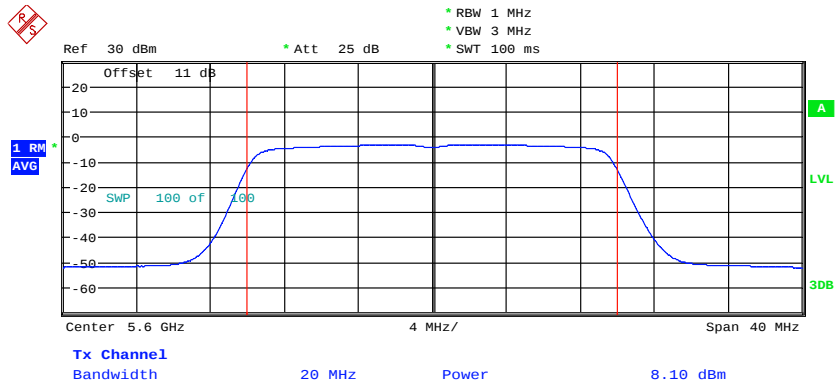
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Date: 4.OCT.2024 15:51:23



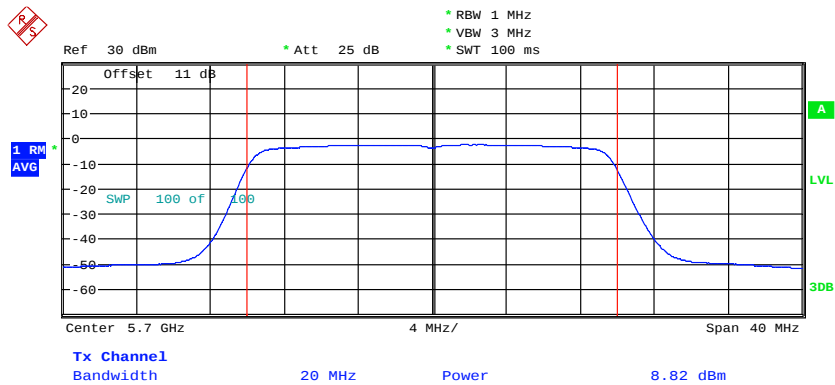
MAXIMUM CONDUCTED POWER ANT2_11ax20CH100
Date: 4.OCT.2024 16:51:08



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



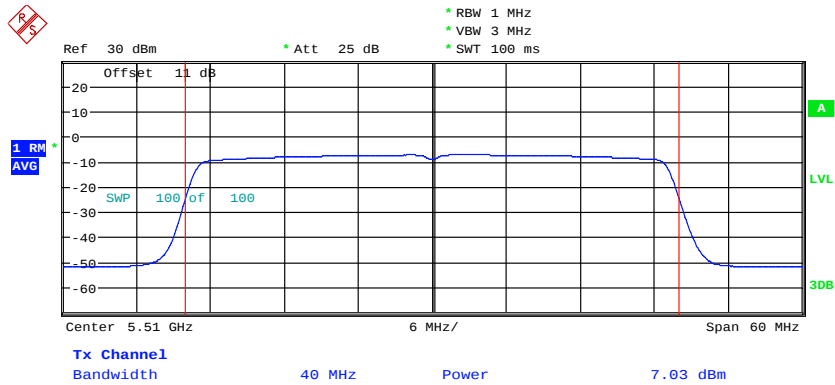
MAXIMUM CONDUCTED POWER ANT2_11ax20CH120
Date: 4.OCT.2024 16:51:35



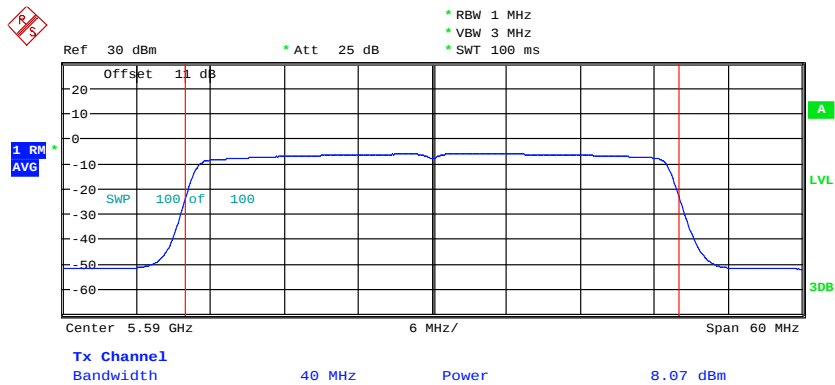
MAXIMUM CONDUCTED POWER ANT2_11ax20CH140
Date: 4.OCT.2024 16:51:59



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



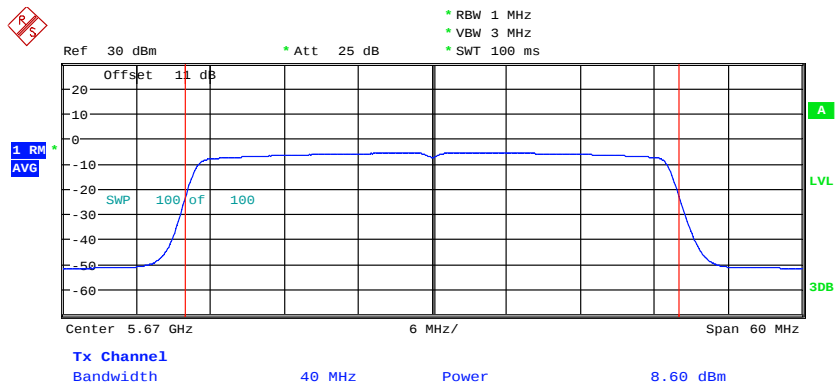
MAXIMUM CONDUCTED POWER ANT2_11ax40CH102
Date: 4.OCT.2024 17:11:11



MAXIMUM CONDUCTED POWER ANT2_11ax40CH118
Date: 4.OCT.2024 17:10:45

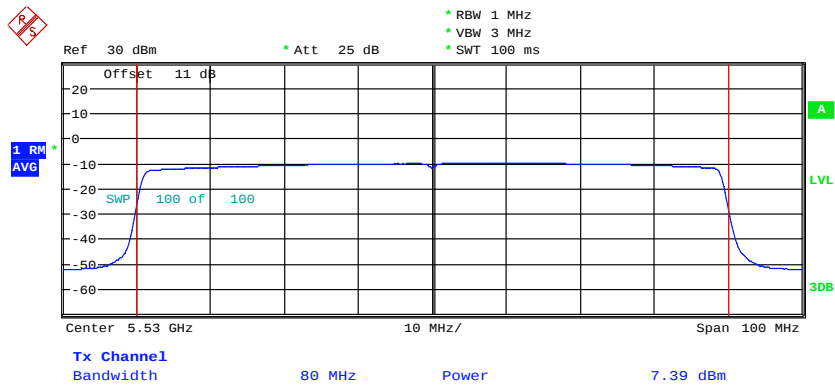


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11ax40CH134

Date: 4.OCT.2024 17:10:18

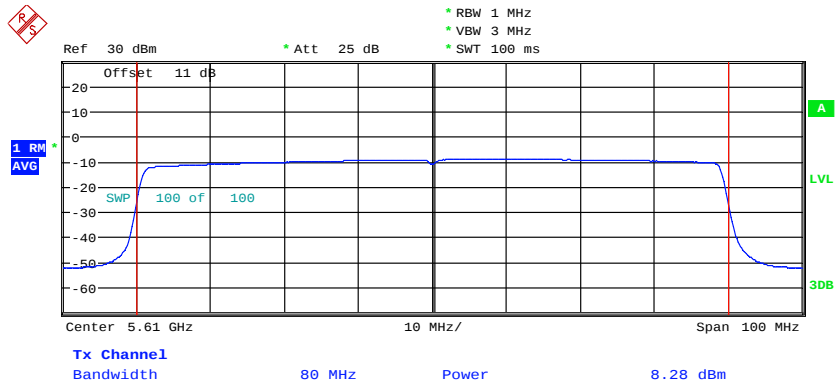


MAXIMUM CONDUCTED POWER ANT2_11ax80CH106

Date: 4.OCT.2024 17:15:03

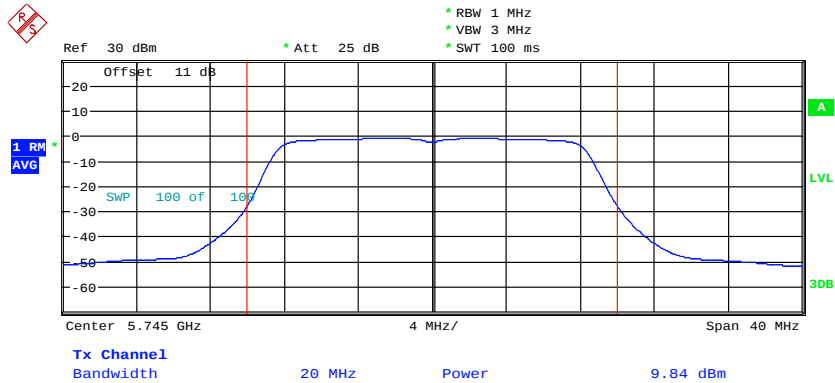


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11ax80CH122
Date: 4.OCT.2024 17:15:29

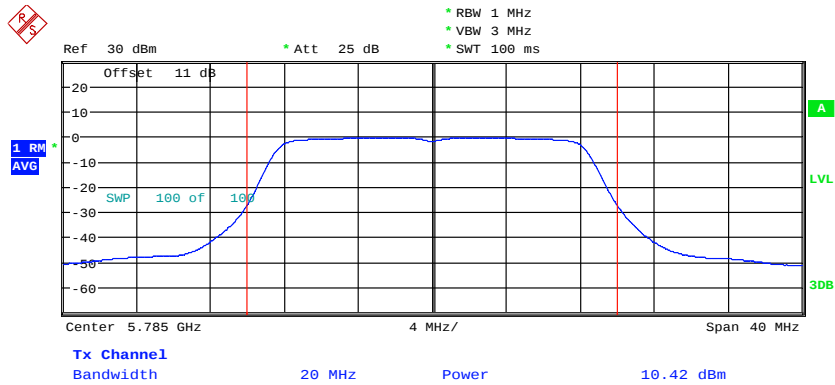
5.725 GHz ~ 5.85 GHz



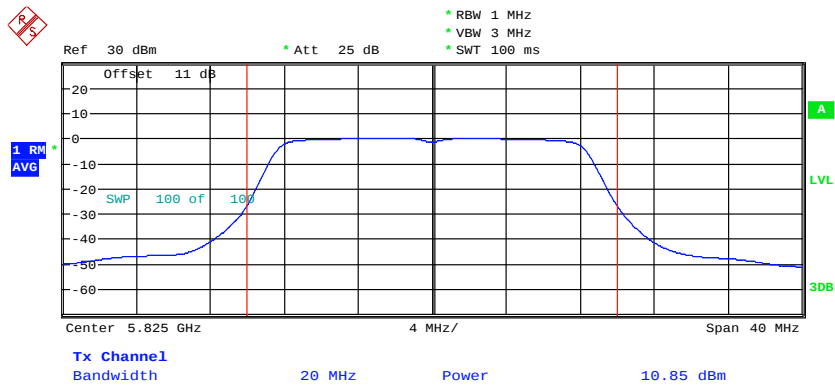
MAXIMUM CONDUCTED POWER ANT2_11aCH149
Date: 4.OCT.2024 15:44:07



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



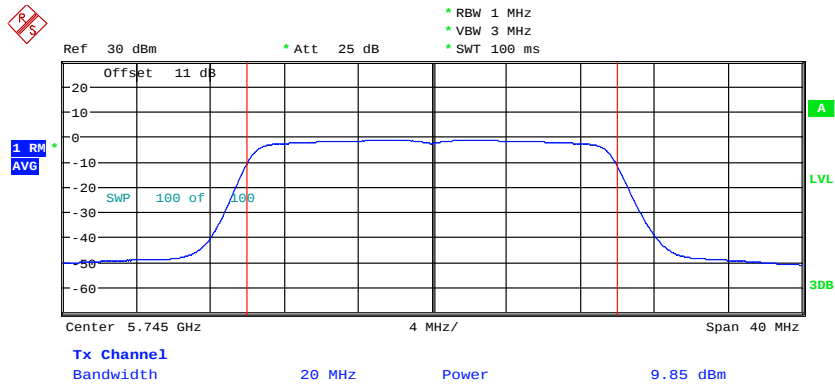
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Date: 4.OCT.2024 15:45:15



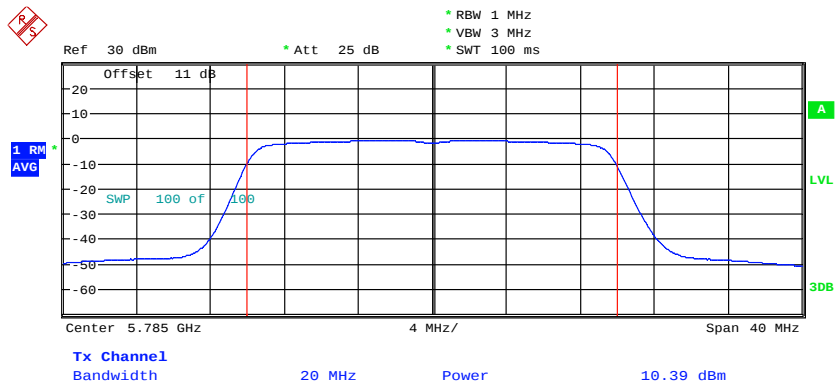
MAXIMUM CONDUCTED POWER ANT2_11aCH165
Date: 4.OCT.2024 15:46:30



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



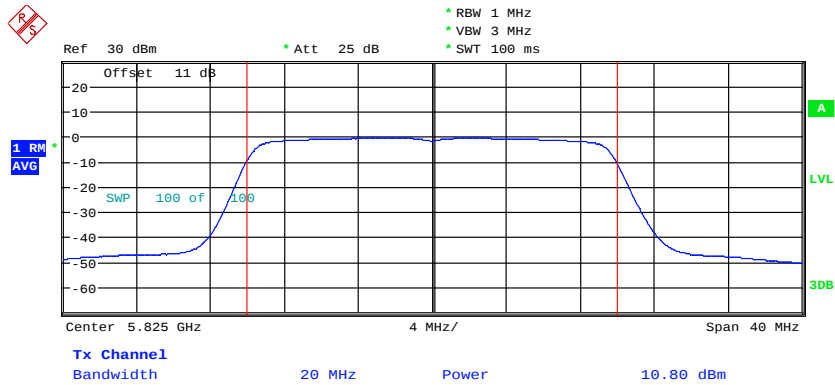
MAXIMUM CONDUCTED POWER ANT2_11ax20CH149
Date: 4.OCT.2024 16:52:26



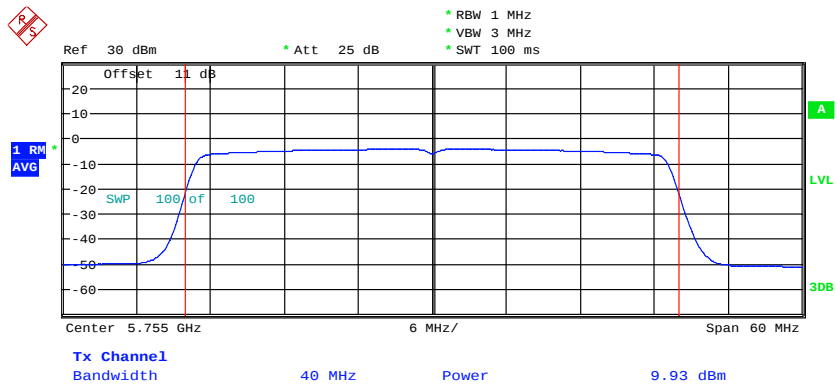
MAXIMUM CONDUCTED POWER ANT2_11ax20CH157
Date: 4.OCT.2024 16:52:51



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



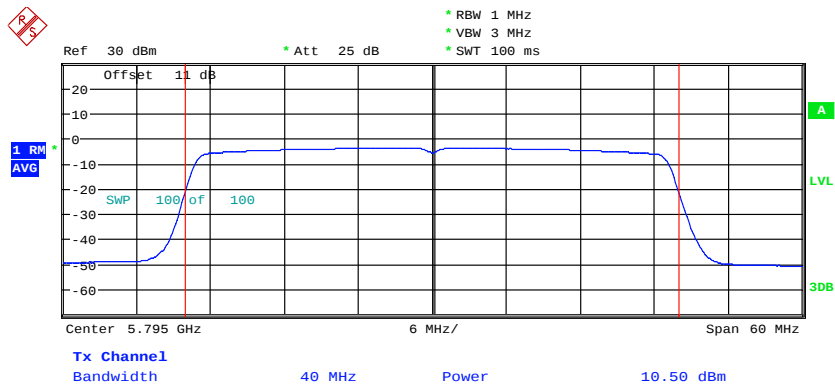
MAXIMUM CONDUCTED POWER ANT2_11ax20CH165
Date: 4.OCT.2024 16:53:17



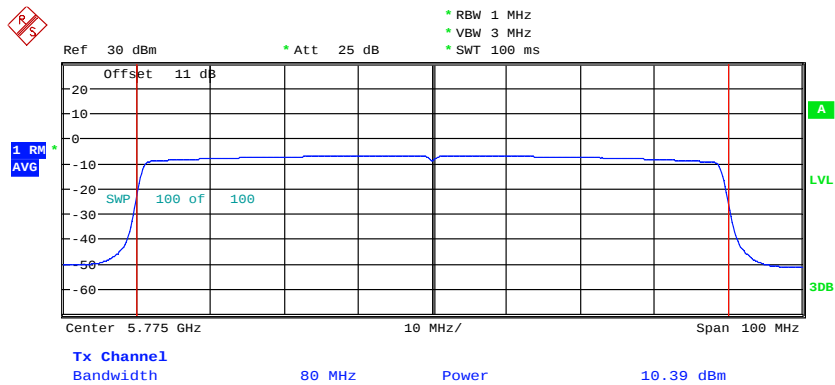
MAXIMUM CONDUCTED POWER ANT2_11ax40CH151
Date: 4.OCT.2024 17:09:52



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_11ax40CH159
Date: 4.OCT.2024 17:09:27



MAXIMUM CONDUCTED POWER ANT2_11ax80CH155
Date: 4.OCT.2024 17:15:57



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

New Testing

Test date: February 25, 2025

Temperature: 21.2 °C

Humidity: 60.0 %

Tester: Sora

Band	Mode	Channel	Conducted power with DF (dBm)		Combine (dBm)	DF (dB)	Limit (dBm)
			Antenna 1	Antenna 2			
NII-1	802.11a	Ch 36 : 5180 MHz	10.37	7.99	-	0.02	26.90
		Ch 44 : 5220 MHz	10.70	7.57	-	0.02	26.90
		Ch 48 : 5240 MHz	10.66	7.30	-	0.02	26.90
	802.11ax 20MHz	Ch 36 : 5180 MHz	10.26	7.96	12.27	0.00	26.90
		Ch 44 : 5220 MHz	10.50	7.53	12.27	0.00	26.90
		Ch 48 : 5240 MHz	10.42	7.25	12.13	0.00	26.90
	802.11ax 40MHz	Ch 38 : 5190 MHz	10.26	7.84	12.23	0.00	26.90
		Ch 46 : 5230 MHz	10.48	7.39	12.21	0.00	26.90
	802.11ax 80MHz	Ch 42 : 5210 MHz	10.61	7.76	12.43	0.00	26.90
NII-2A	802.11a	Ch 52 : 5260 MHz	11.40	7.21	-	0.02	21.72
		Ch 60 : 5300 MHz	11.17	6.74	-	0.02	21.72
		Ch 64 : 5320 MHz	11.13	7.09	-	0.02	21.72
	802.11ax 20MHz	Ch 52 : 5260 MHz	11.47	7.17	12.84	0.00	21.72
		Ch 60 : 5300 MHz	11.10	6.69	12.44	0.00	21.72
		Ch 64 : 5320 MHz	11.27	7.08	12.67	0.00	21.72
	802.11ax 40MHz	Ch 54 : 5270 MHz	11.35	7.05	12.72	0.00	21.72
		Ch 62 : 5310 MHz	11.39	7.15	12.78	0.00	21.72
	802.11ax 80MHz	Ch 58 : 5290 MHz	11.42	7.00	12.76	0.00	21.72
NII-2C	802.11a	Ch 100 : 5500 MHz	11.25	7.09	-	0.02	21.07
		Ch 120 : 5600 MHz	10.58	8.14	-	0.02	21.07
		Ch 140 : 5700 MHz	10.12	8.87	-	0.02	21.07
	802.11ax 20MHz	Ch 100 : 5500 MHz	11.29	7.12	12.70	0.00	21.07
		Ch 120 : 5600 MHz	10.56	8.10	12.51	0.00	21.07
		Ch 140 : 5700 MHz	10.08	8.82	12.51	0.00	21.07
	802.11ax 40MHz	Ch 102 : 5510 MHz	11.30	7.03	12.68	0.00	21.07
		Ch 118 : 5590 MHz	10.75	8.07	12.62	0.00	21.07
		Ch 134 : 5670 MHz	10.37	8.60	12.58	0.00	21.07
	802.11ax 80MHz	Ch 106 : 5530 MHz	11.06	7.39	12.61	0.00	21.07
		Ch 122 : 5610 MHz	10.64	8.28	12.63	0.00	21.07
NII-3	802.11a	Ch 149 : 5745 MHz	9.80	8.71	-	0.02	27.07

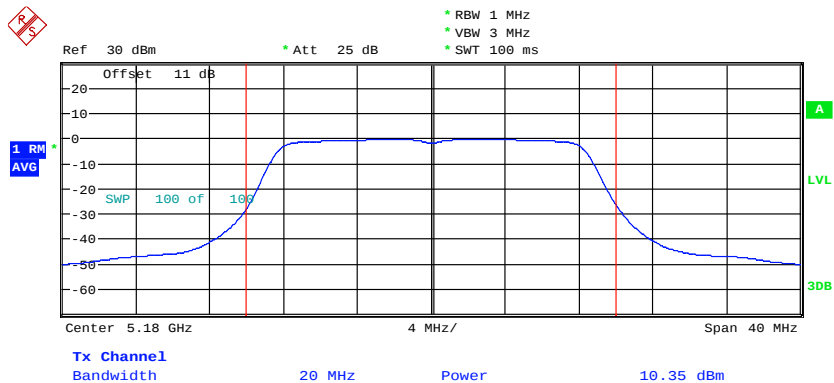


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

		Ch 157 : 5785 MHz	9.71	9.04	-	0.02	27.07
		Ch 165 : 5825 MHz	9.58	9.37	-	0.02	27.07
	802.11ax 20MHz	Ch 149 : 5745 MHz	9.71	8.45	12.14	0.00	27.07
		Ch 157 : 5785 MHz	9.61	9.07	12.36	0.00	27.07
		Ch 165 : 5825 MHz	9.50	9.46	12.49	0.00	27.07
	802.11ax 40MHz	Ch 151 : 5755 MHz	9.71	8.78	12.28	0.00	27.07
		Ch 159 : 5795 MHz	9.65	9.35	12.51	0.00	27.07
	802.11ax 80MHz	Ch 155: 5775 MHz	9.64	9.22	12.45	0.00	27.07

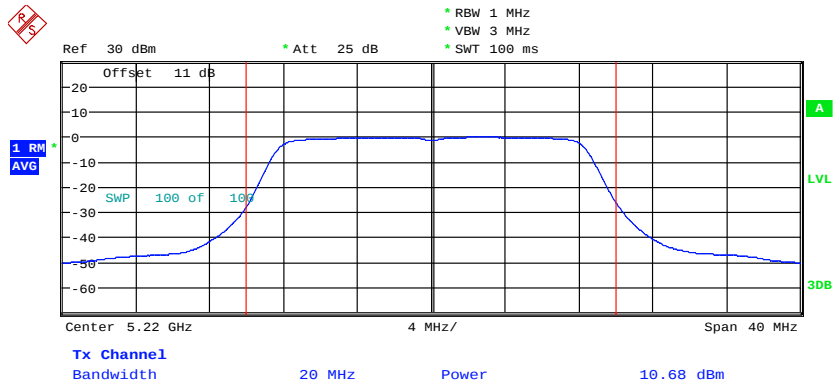
ANT 1 5.15 GHz ~ 5.25 GHz



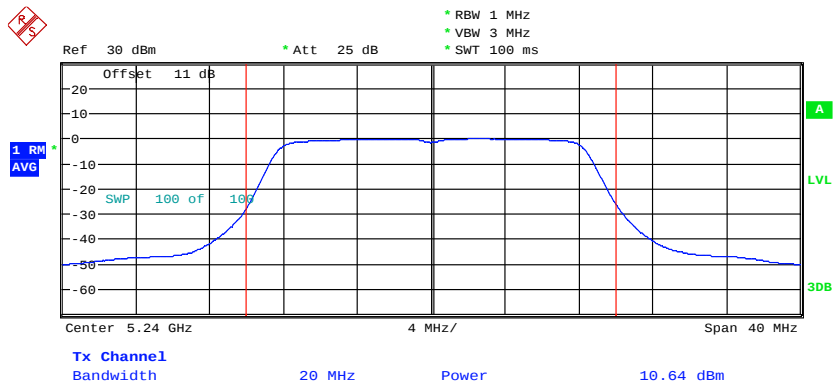
MAXIMUM CONDUCTED POWER ANT1_11aCH36
Date: 25.FEB.2025 12:44:55



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



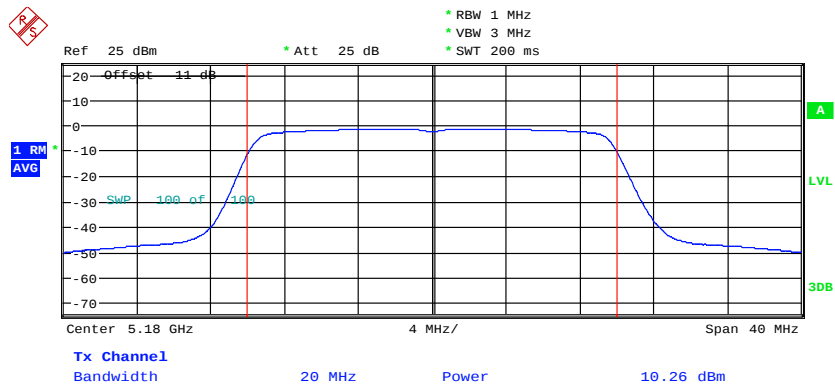
MAXIMUM CONDUCTED POWER ANT1_11aCH44
Date: 25.FEB.2025 12:46:17



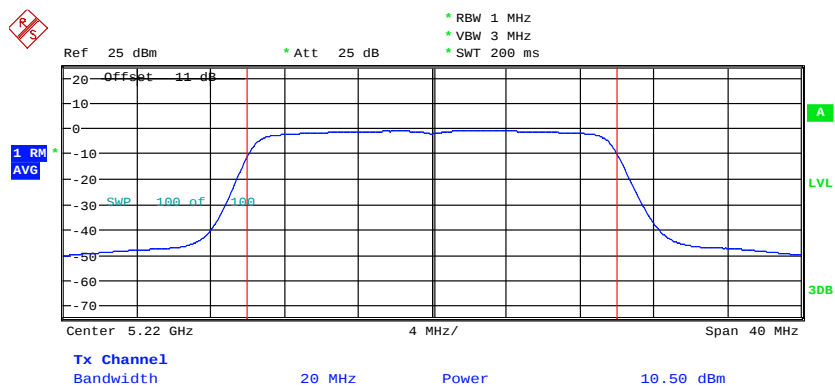
MAXIMUM CONDUCTED POWER ANT1_11aCH48
Date: 25.FEB.2025 12:47:25



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



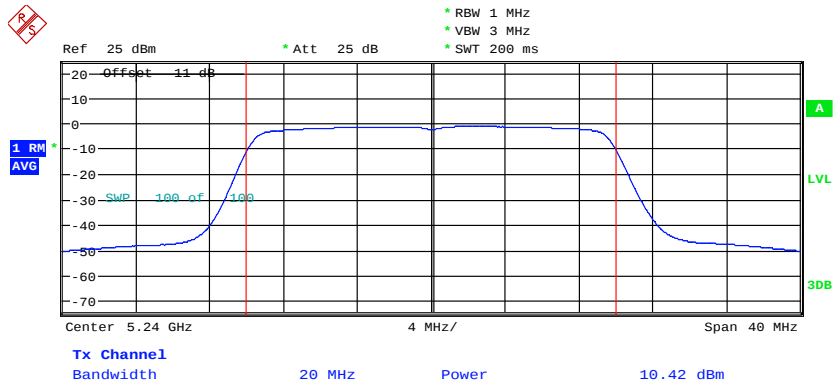
MAXIMUM CONDUCTED POWER ANT1_ax20_CH36
Date: 25.FEB.2025 14:58:44



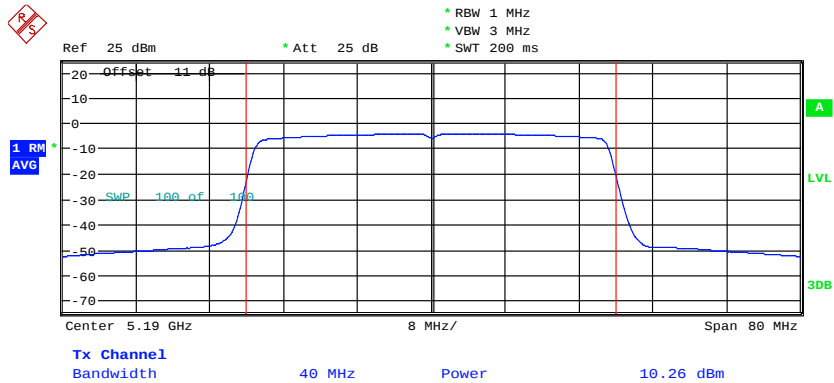
MAXIMUM CONDUCTED POWER ANT1_ax20_CH44
Date: 25.FEB.2025 14:59:43



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



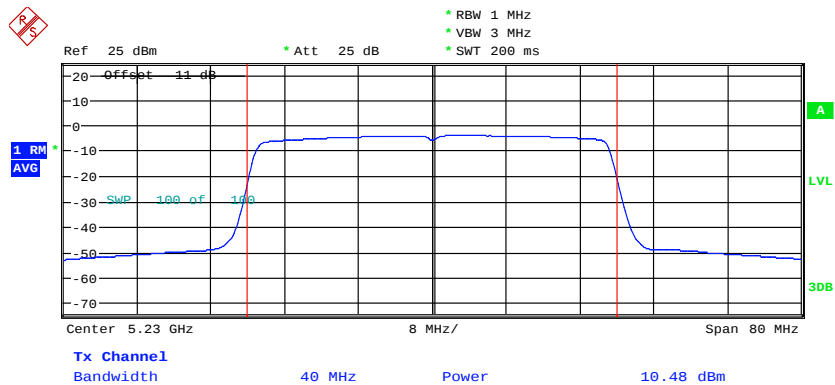
MAXIMUM CONDUCTED POWER ANT1_ax20_CH48
Date: 25.FEB.2025 15:00:25



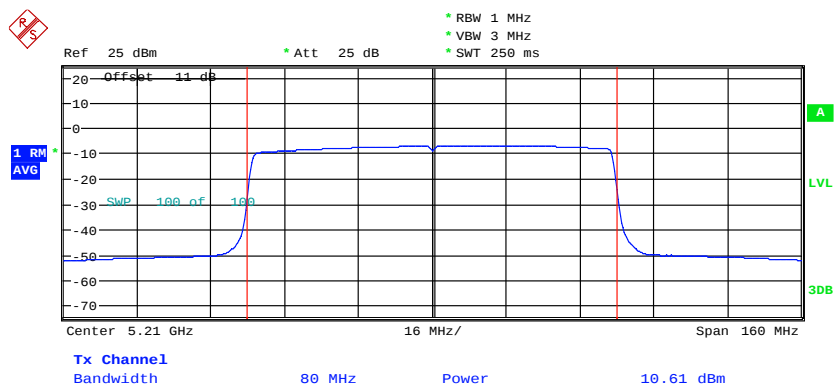
MAXIMUM CONDUCTED POWER ANT1_ax40_CH38
Date: 25.FEB.2025 15:43:29



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT1_ax40_CH46
Date: 25.FEB.2025 15:44:23



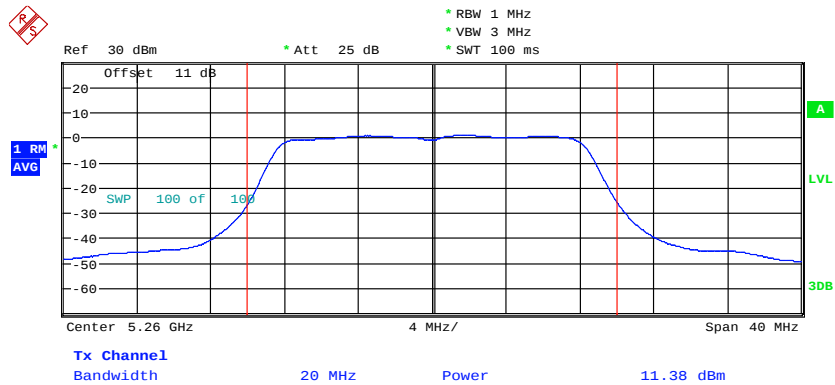
MAXIMUM CONDUCTED POWER ANT1_ax80_CH42
Date: 25.FEB.2025 15:22:51



Registration number: W6M22405-23479-C-55

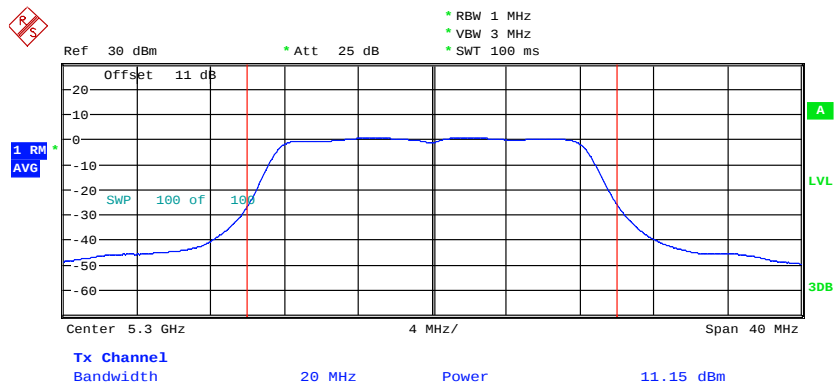
FCC ID: 2AG3J-WRPT50001

5.25 GHz ~ 5.35 GHz



MAXIMUM CONDUCTED POWER ANT1_11aCH52

Date: 25.FEB.2025 13:37:24

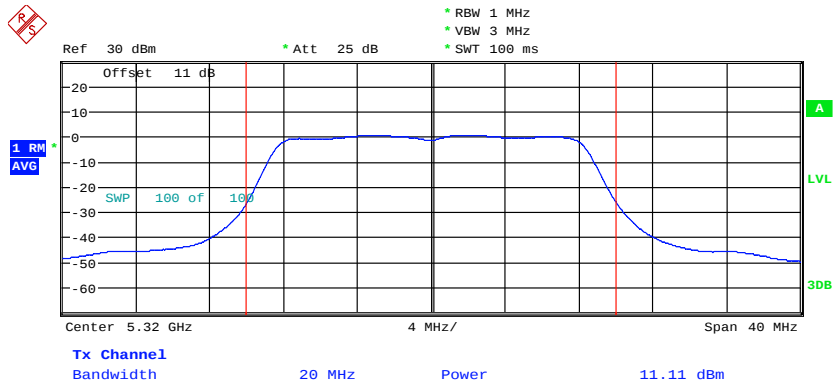


MAXIMUM CONDUCTED POWER ANT1_11aCH60

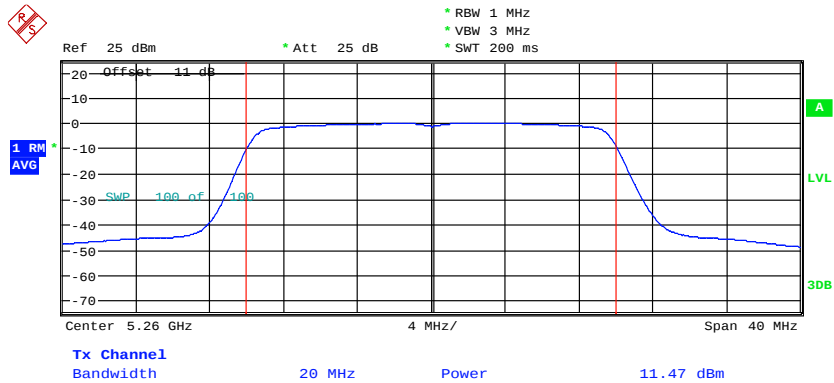
Date: 25.FEB.2025 13:38:25



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



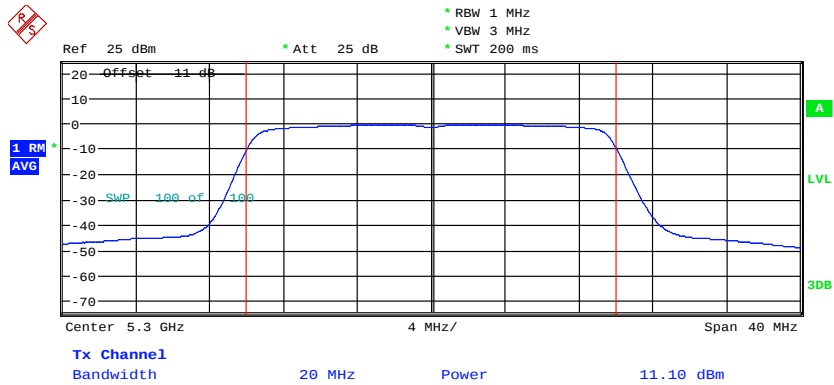
MAXIMUM CONDUCTED POWER ANT1_11aCH64
Date: 25.FEB.2025 13:39:26



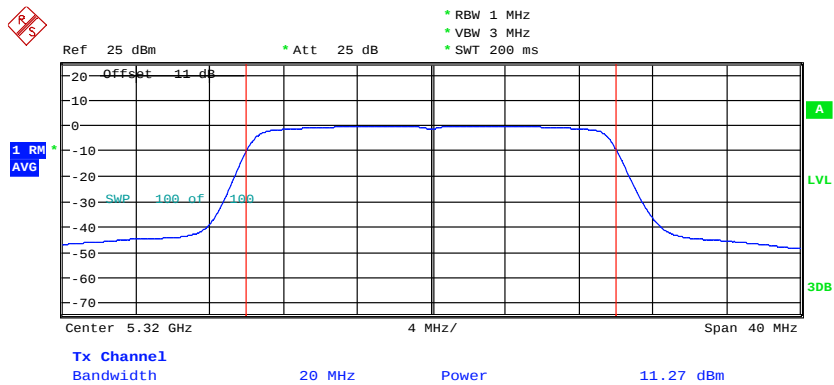
MAXIMUM CONDUCTED POWER ANT1_ax20_CH52
Date: 25.FEB.2025 15:07:32



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



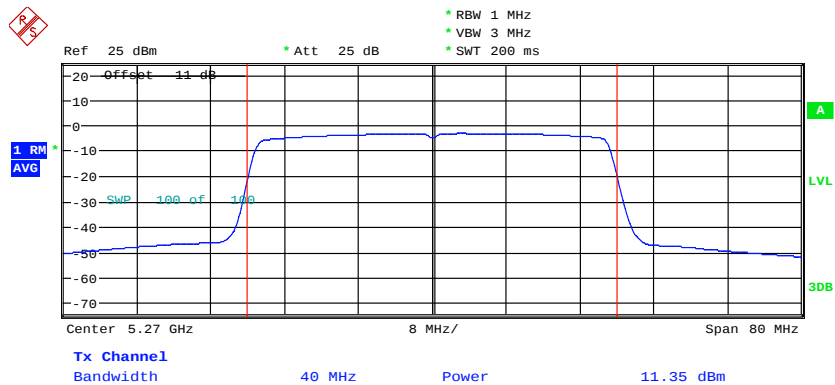
MAXIMUM CONDUCTED POWER ANT1_ax20_CH60
Date: 25.FEB.2025 15:08:09



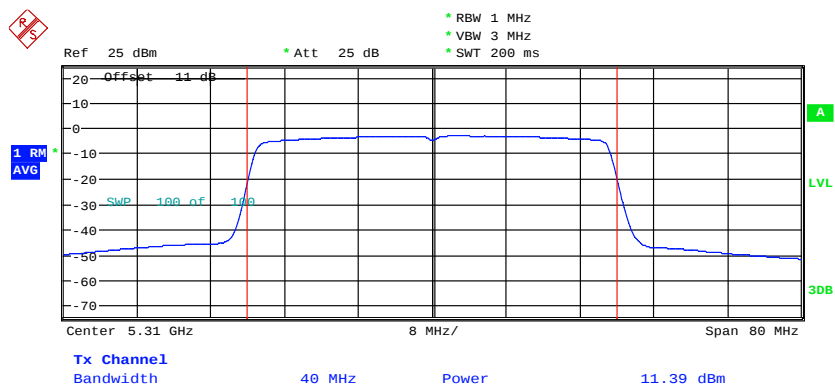
MAXIMUM CONDUCTED POWER ANT1_ax20_CH64
Date: 25.FEB.2025 15:08:52



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



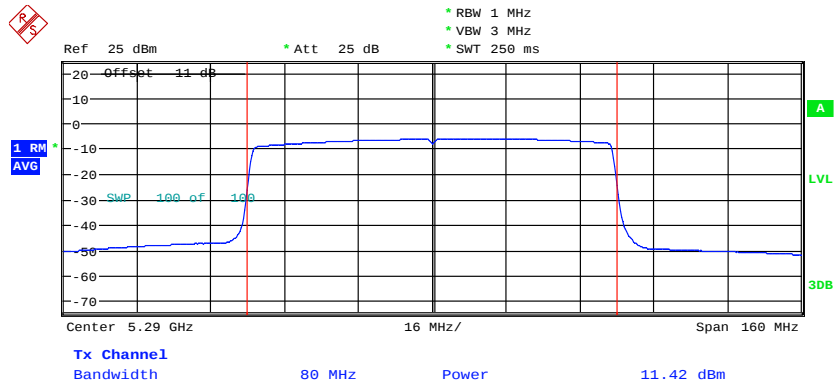
MAXIMUM CONDUCTED POWER ANT1_ax40_CH54
Date: 25.FEB.2025 15:11:05



MAXIMUM CONDUCTED POWER ANT1_ax40_CH62
Date: 25.FEB.2025 15:11:52

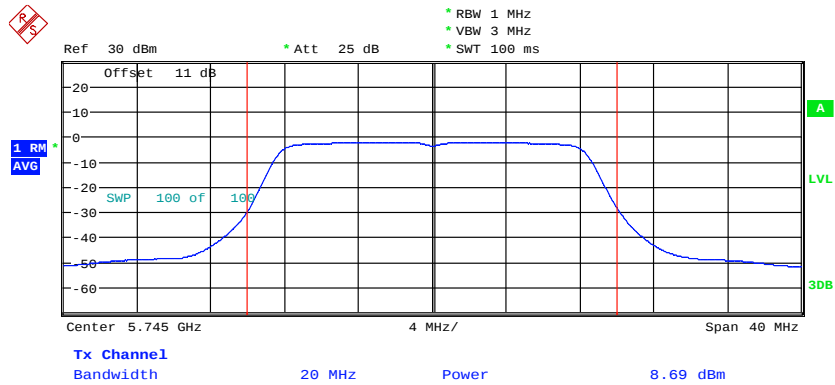


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT1_ax80_CH58
Date: 25.FEB.2025 15:24:01

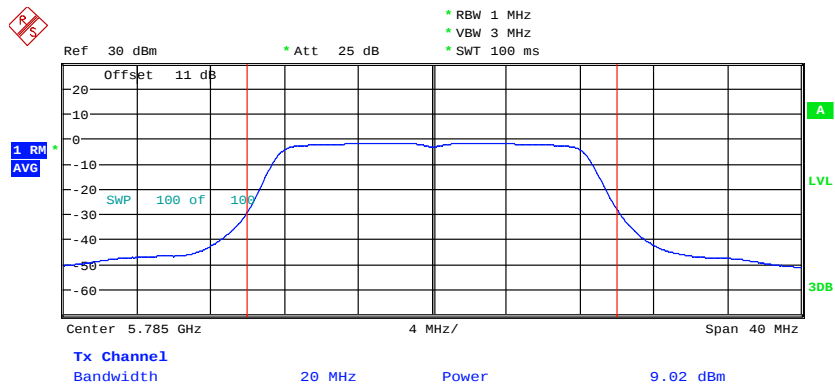
ANT 2 5.725 GHz ~ 5.85 GHz



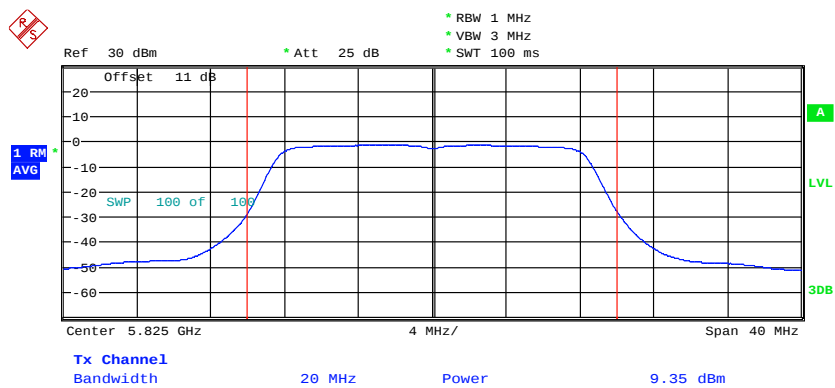
MAXIMUM CONDUCTED POWER ANT2_11aCH149
Date: 25.FEB.2025 17:40:31



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



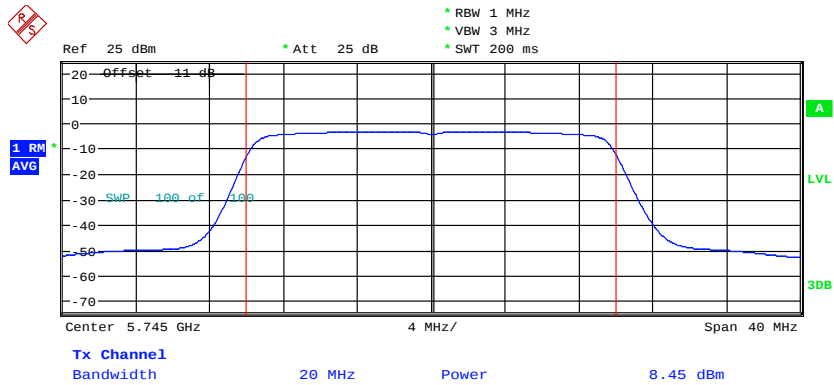
MAXIMUM CONDUCTED POWER ANT2_11aCH157
Date: 25.FEB.2025 17:42:06



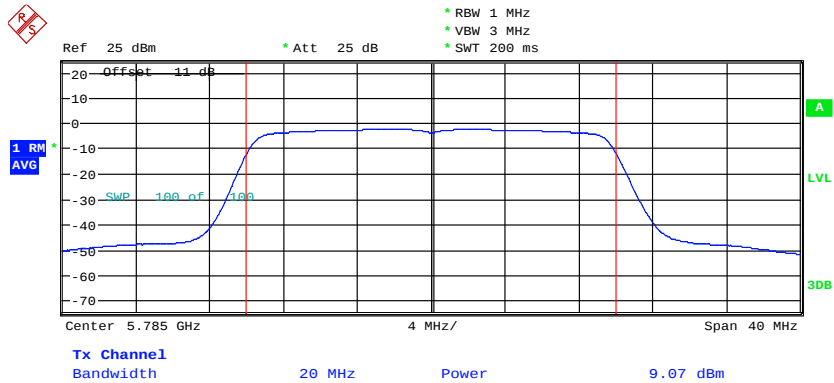
MAXIMUM CONDUCTED POWER ANT2_11aCH165
Date: 25.FEB.2025 17:43:14



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



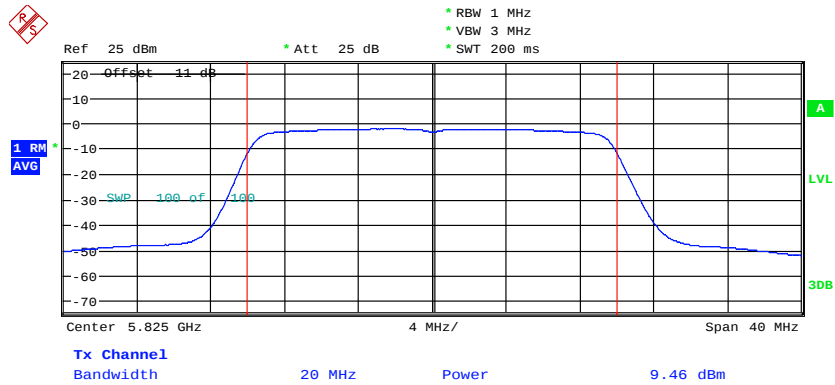
MAXIMUM CONDUCTED POWER ANT2_ax20_CH149
Date: 25.FEB.2025 17:24:33



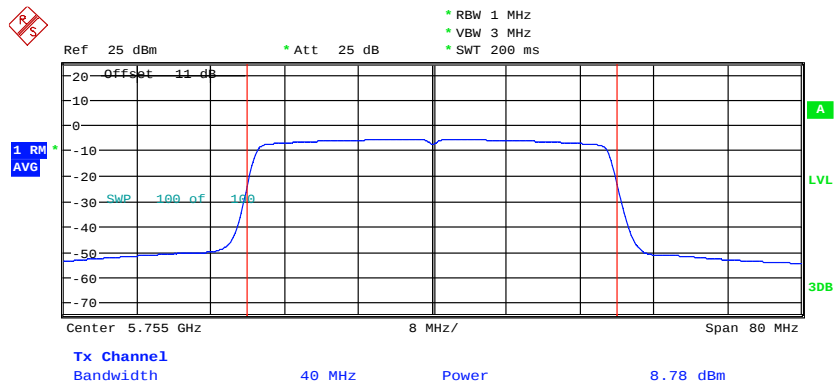
MAXIMUM CONDUCTED POWER ANT2_ax20_CH157
Date: 25.FEB.2025 17:25:45



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



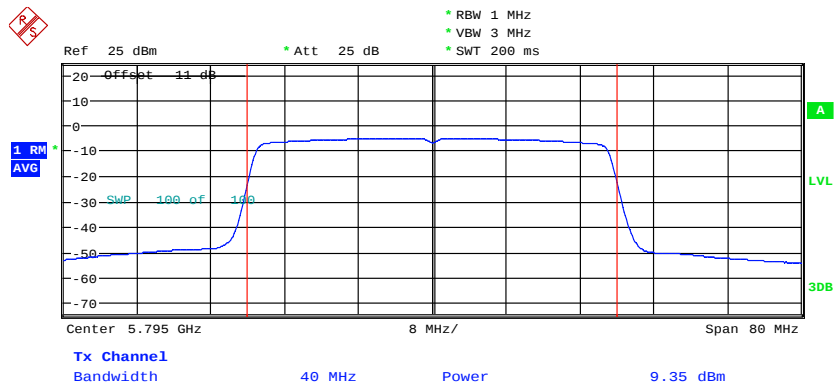
MAXIMUM CONDUCTED POWER ANT2_ax20_CH165
Date: 25.FEB.2025 17:26:24



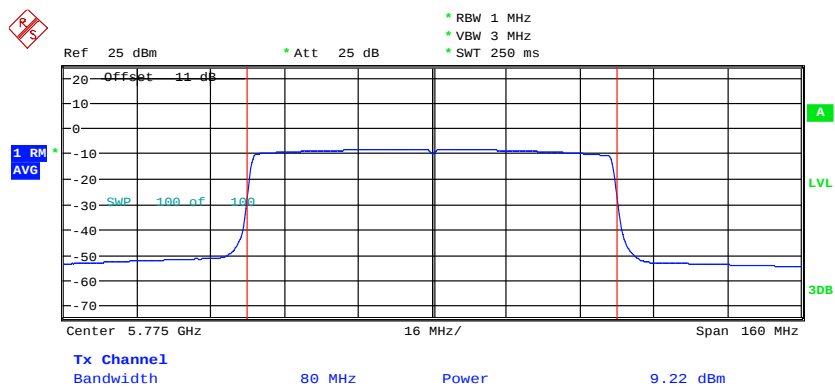
MAXIMUM CONDUCTED POWER ANT2_ax40_CH151
Date: 25.FEB.2025 17:27:51



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



MAXIMUM CONDUCTED POWER ANT2_ax40_CH159
Date: 25.FEB.2025 17:28:28



MAXIMUM CONDUCTED POWER ANT2_ax80_CH155
Date: 25.FEB.2025 17:31:18



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

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

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

Result:

Test date: October 04, 2024-October 06, 2024

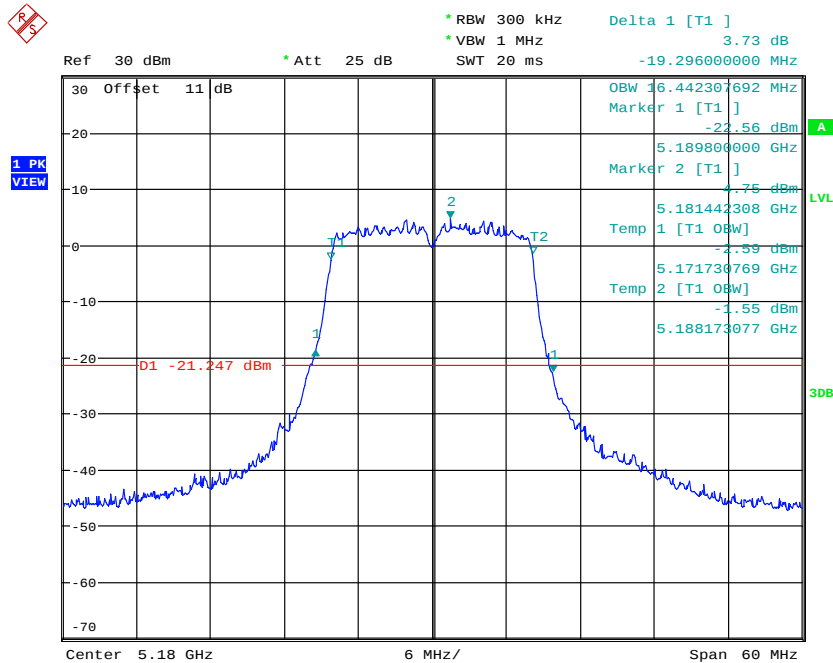
Temperature: 26.8 °C

Humidity: 56.3 %

Tester: Sora

ANT 1

5.15 GHz ~ 5.25 GHz

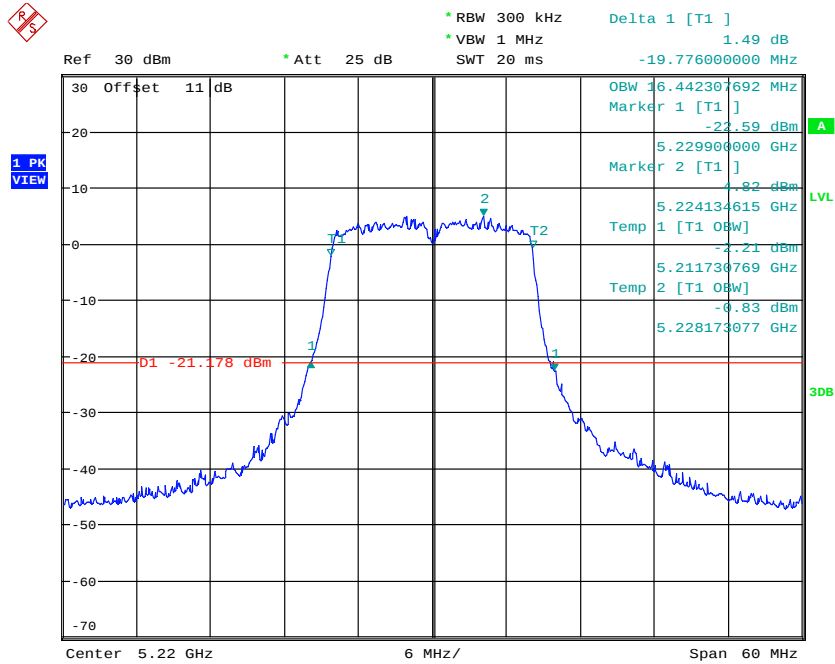


99% OBW & 26DB BANDWIDTH ANT1_11a_CH36

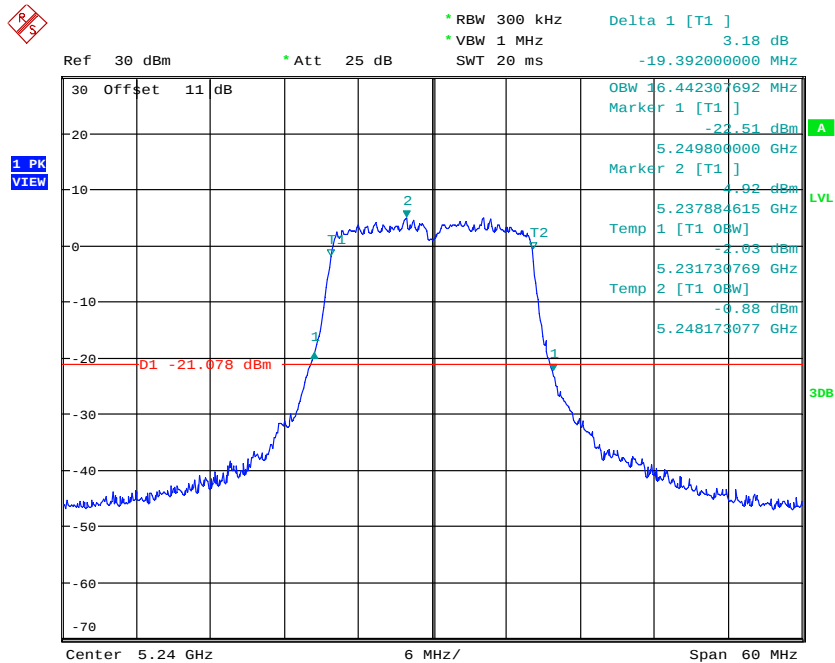
Date: 4.OCT.2024 15:21:15



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



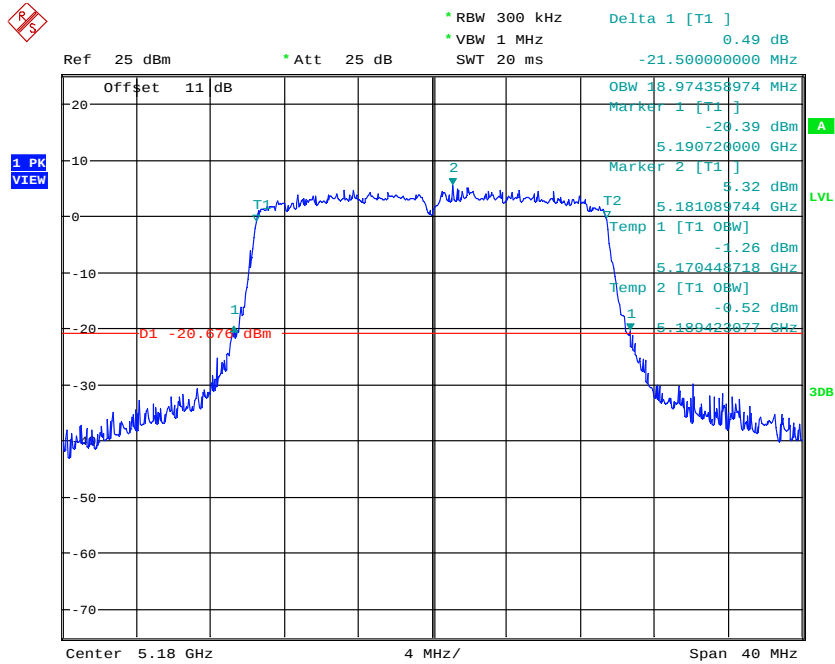
99% OBW & 26DB BANDWIDTH ANT1_11a_CH44
Date: 4.OCT.2024 15:22:21



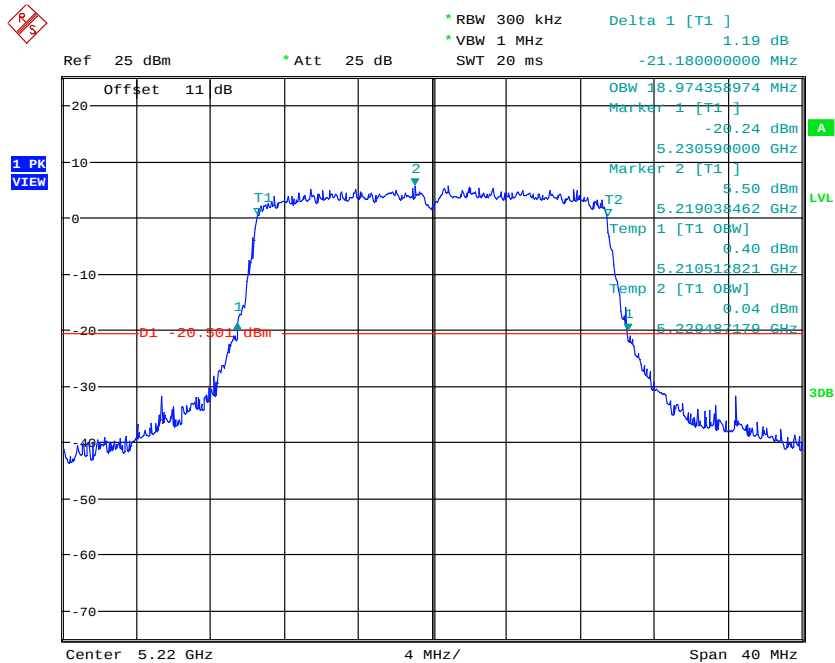
99% OBW & 26DB BANDWIDTH ANT1_11a_CH48
Date: 4.OCT.2024 15:23:32



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



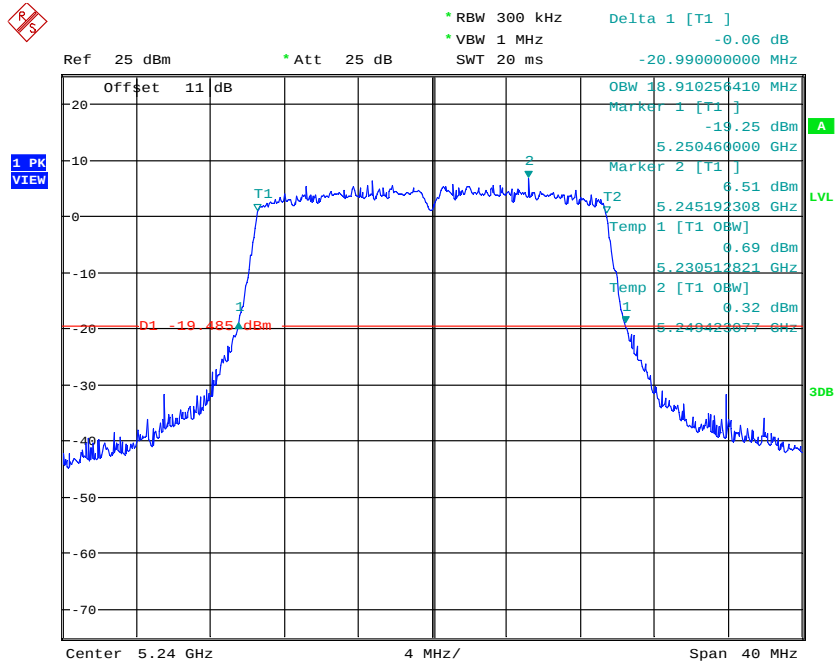
99% OBW& 26dB Bandwidth ANT_1_ax20_CH36
Date: 6.OCT.2024 09:29:59



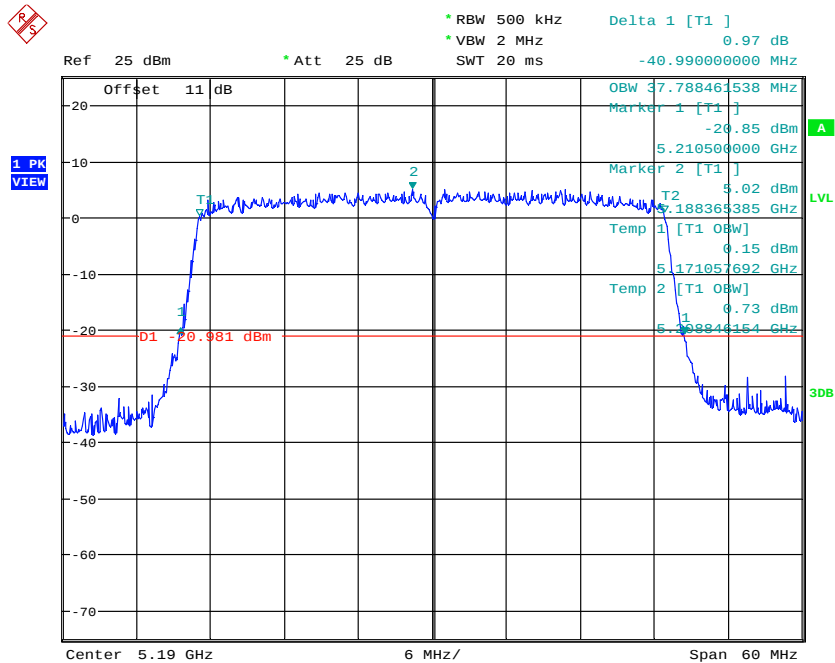
99% OBW& 26dB Bandwidth ANT_1_ax20_CH44
Date: 6.OCT.2024 09:22:18



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



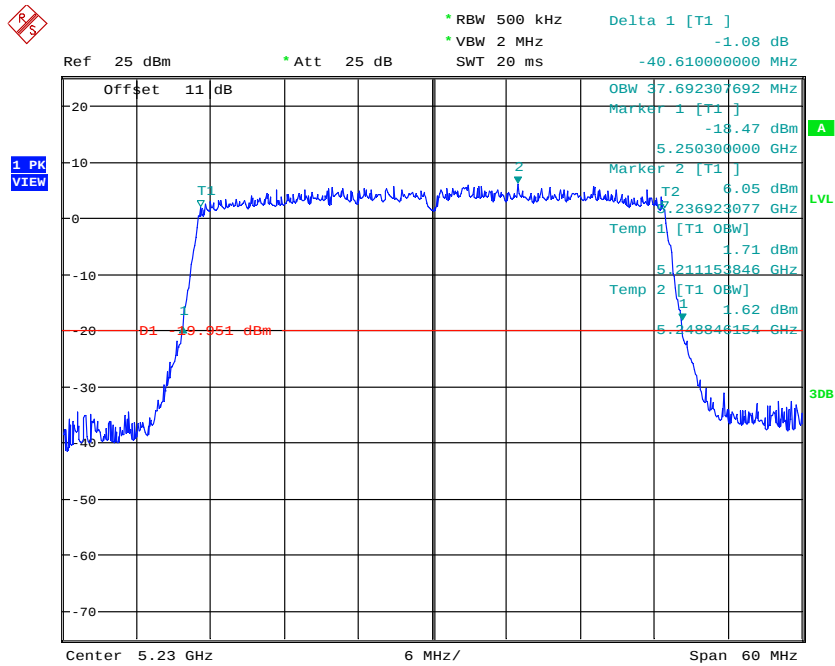
99% OBW& 26dB Bandwidth ANT_1_ax20_CH48
Date: 6.OCT.2024 09:24:57



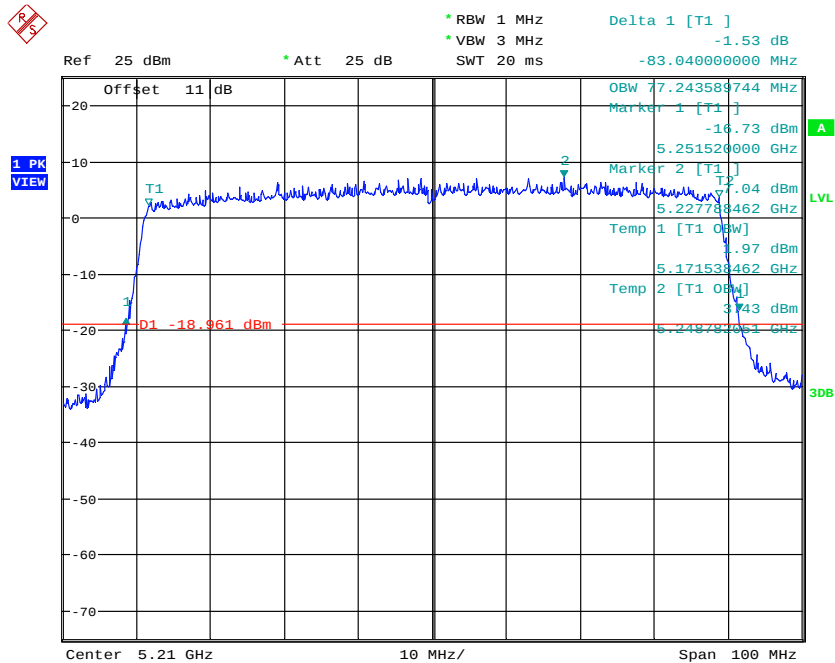
99% OBW& 26dB Bandwidth ANT_1_ax40_CH38
Date: 6.OCT.2024 09:31:23



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW & 26dB Bandwidth ANT_1_ax40_CH46
Date: 6.OCT.2024 09:32:52



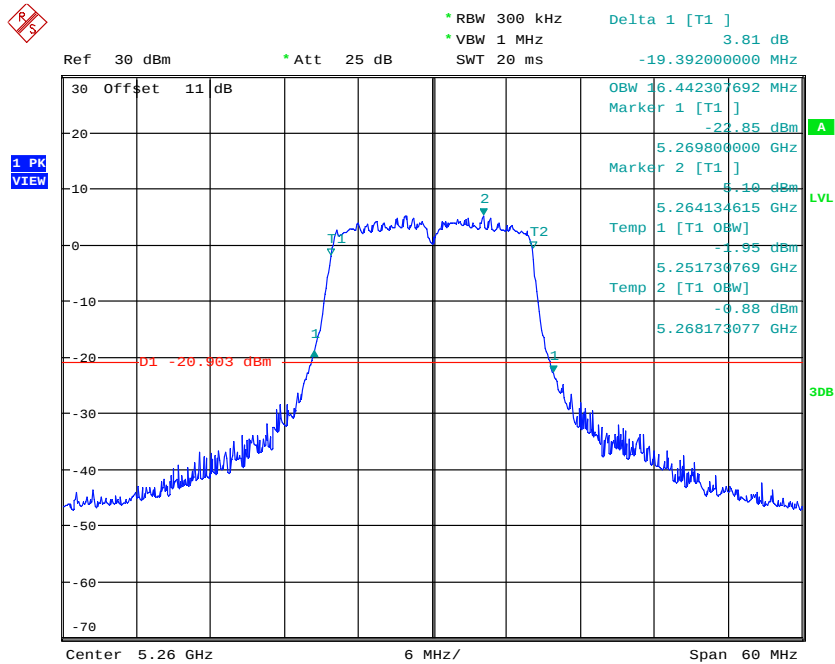
99% OBW & 26dB Bandwidth ANT_1_ax80_CH42
Date: 6.OCT.2024 09:34:52



Registration number: W6M22405-23479-C-55

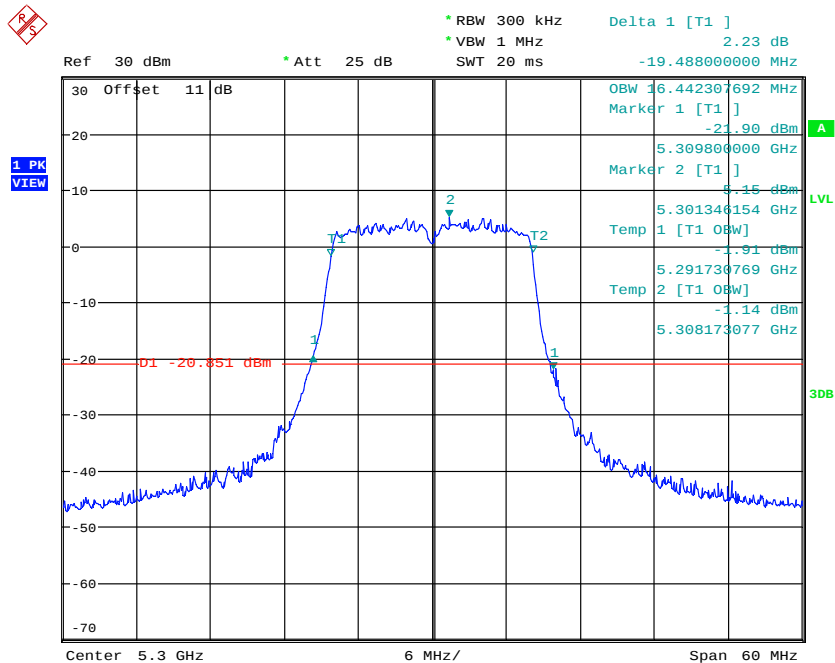
FCC ID: 2AG3J-WRPT50001

5.25 GHz ~ 5.35 GHz



99% OBW & 26DB BANDWIDTH ANT1_11a_CH52

Date: 4.OCT.2024 15:29:02

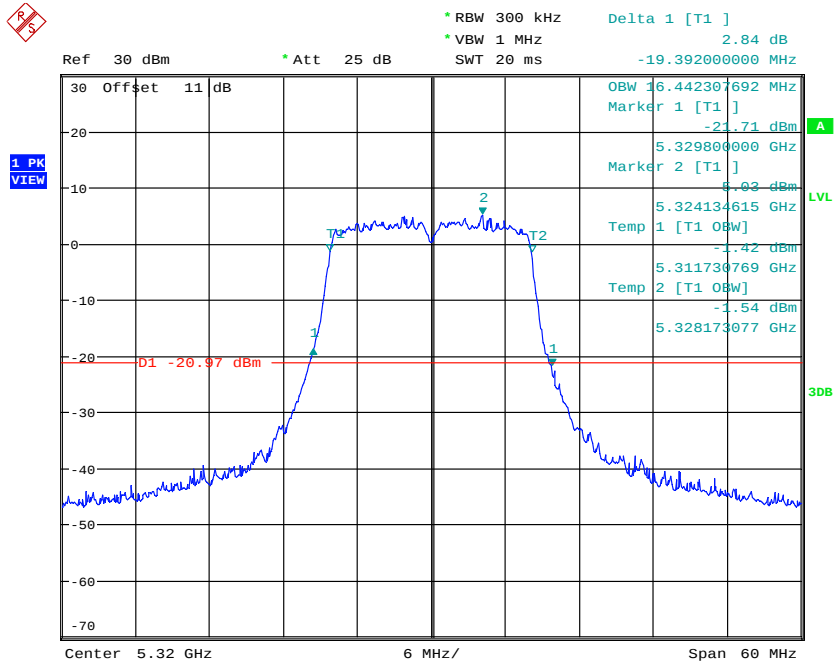


99% OBW & 26DB BANDWIDTH ANT1_11a_CH60

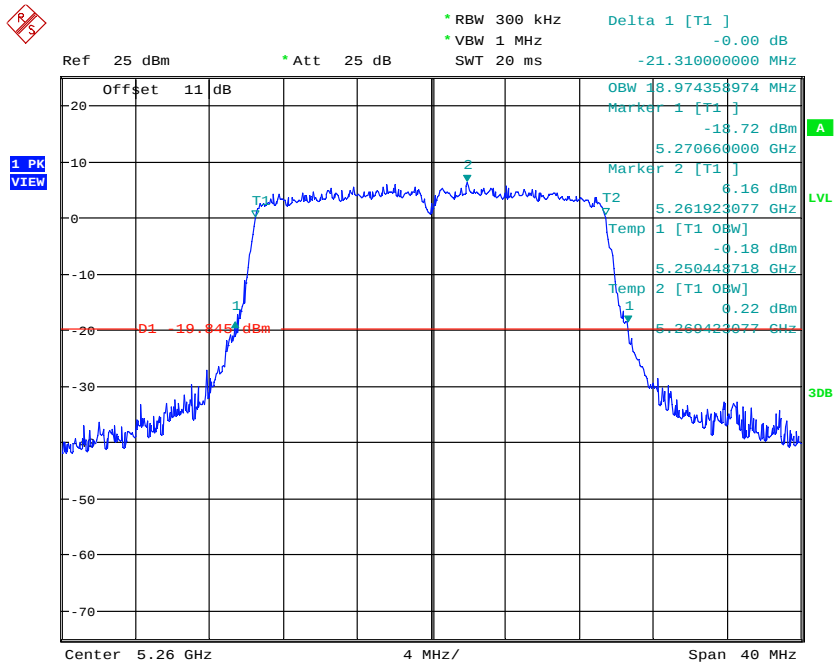
Date: 4.OCT.2024 15:30:08



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



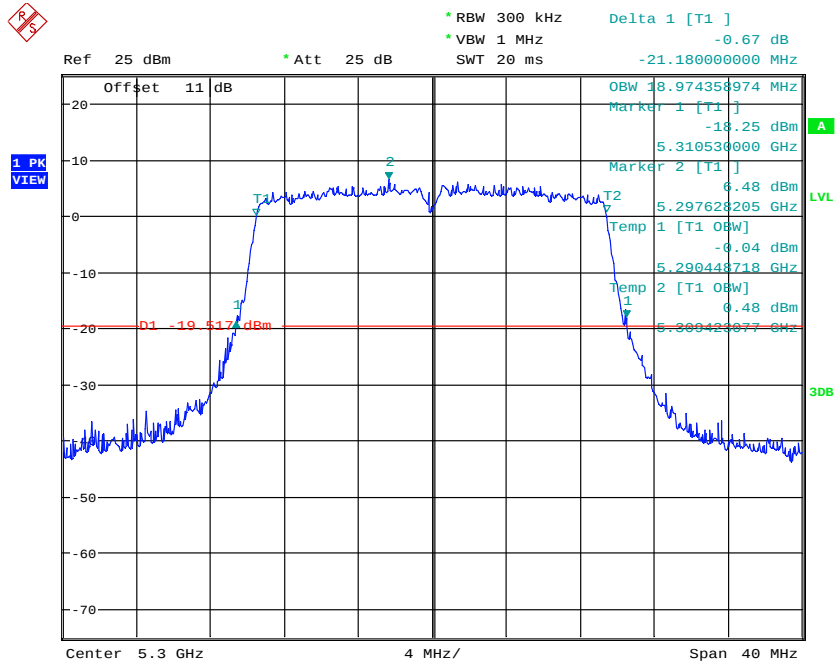
99% OBW & 26DB BANDWIDTH ANT1_11a_CH64
Date: 4.OCT.2024 15:31:25



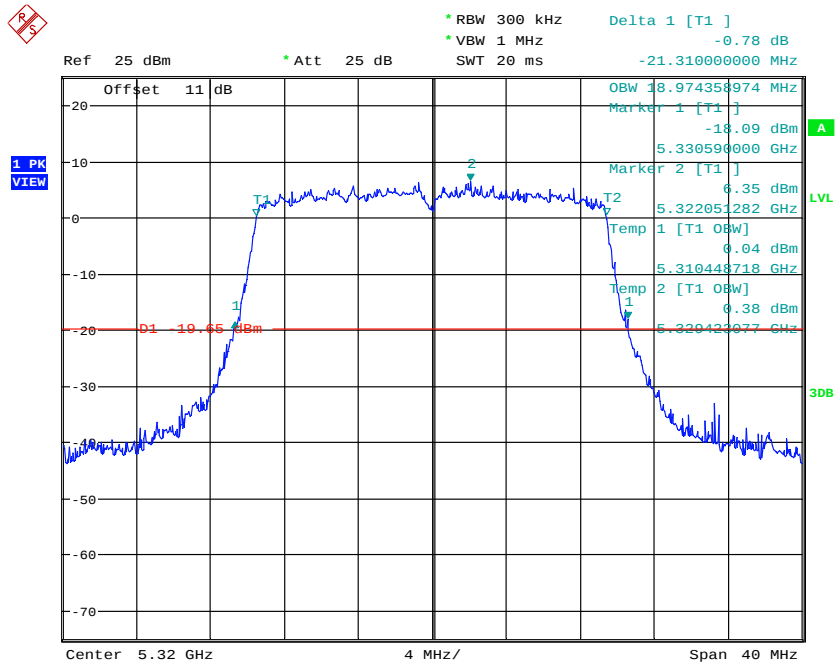
99% OBW & 26dB Bandwidth ANT_1_ax20_CH52
Date: 6.OCT.2024 09:45:44



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



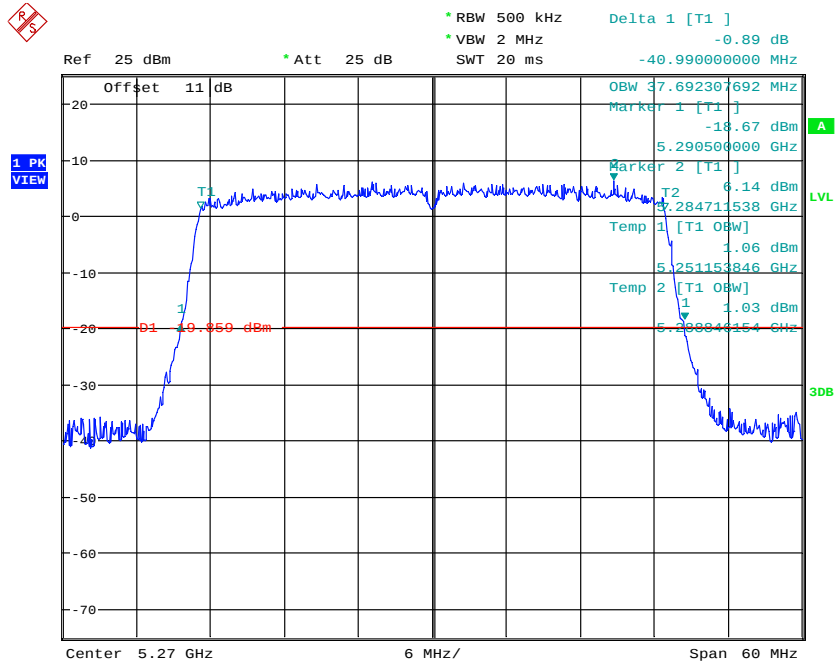
99% OBW& 26dB Bandwidth ANT_1_ax20_CH60
Date: 6.OCT.2024 09:52:09



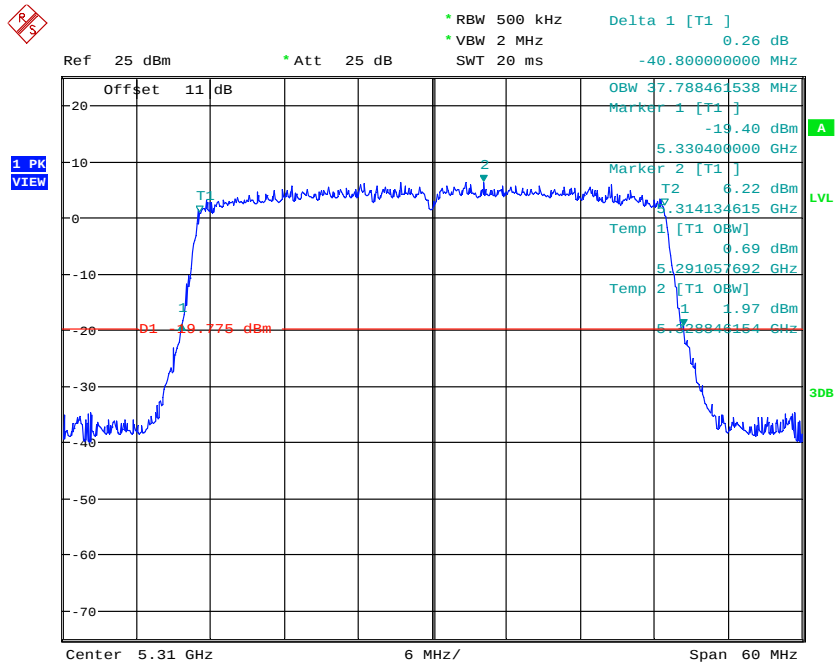
99% OBW& 26dB Bandwidth ANT_1_ax20_CH64
Date: 6.OCT.2024 09:48:57



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



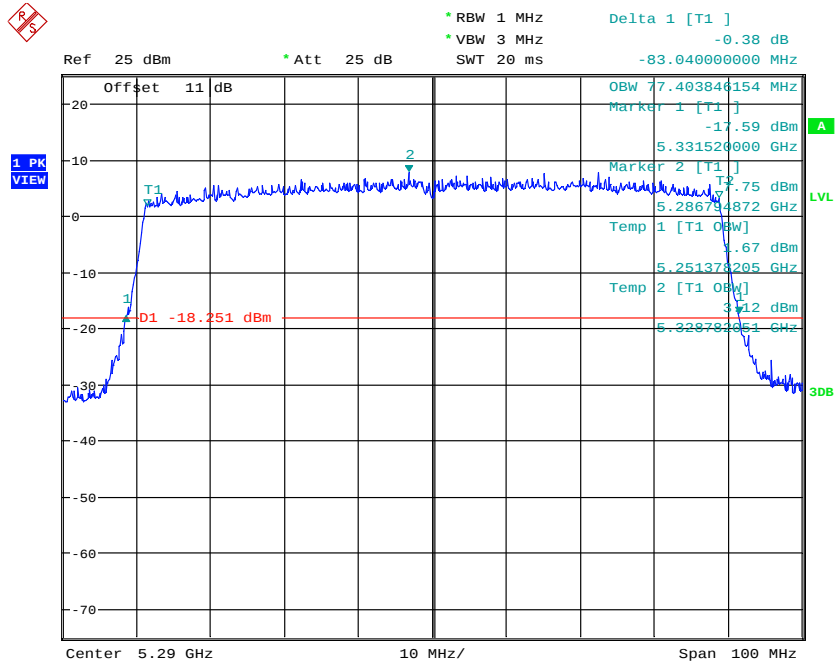
99% OBW& 26dB Bandwidth ANT_1_ax40_CH54
Date: 6.OCT.2024 09:42:24



99% OBW& 26dB Bandwidth ANT_1_ax40_CH62
Date: 6.OCT.2024 09:44:01

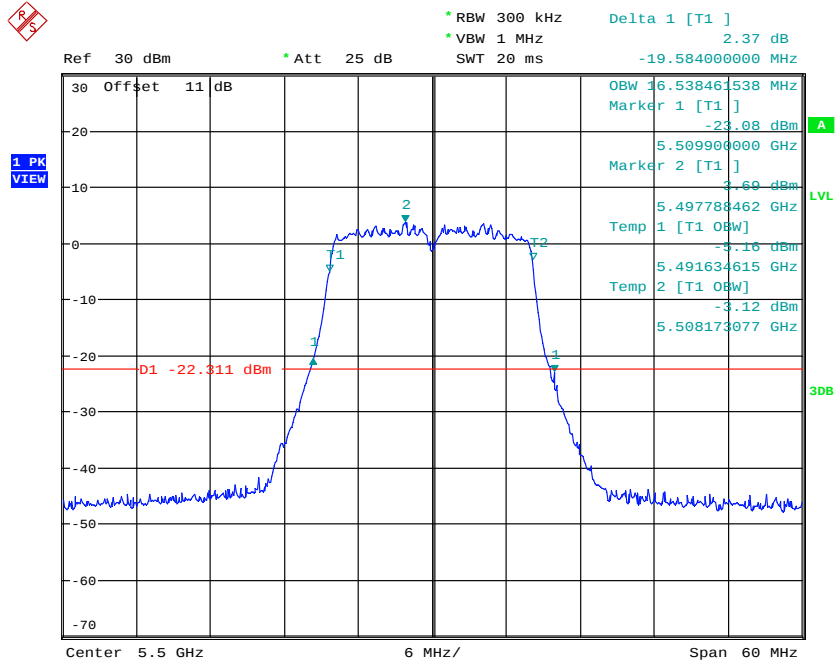


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW & 26dB Bandwidth ANT_1_ax80_CH58
Date: 6.OCT.2024 09:40:40

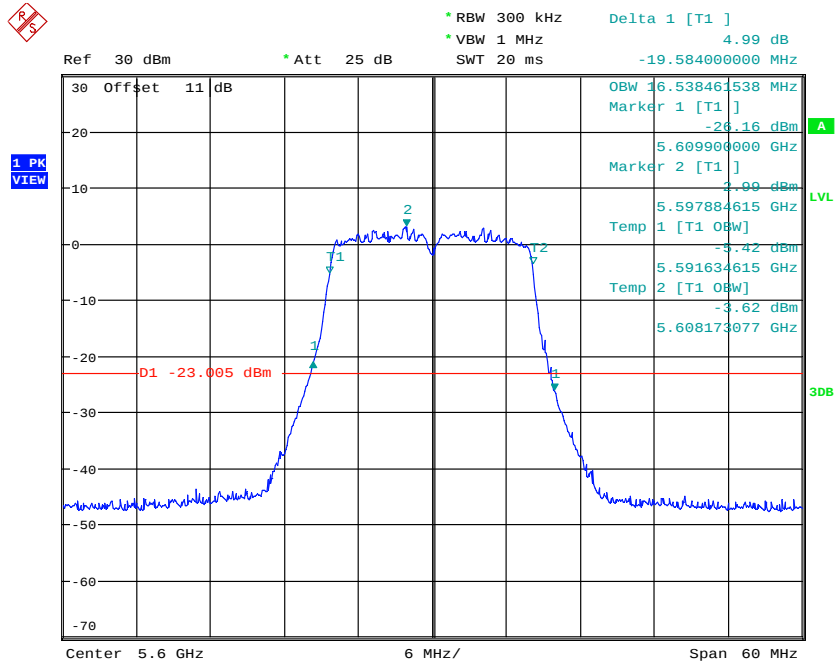
5.47 GHz ~ 5.725 GHz



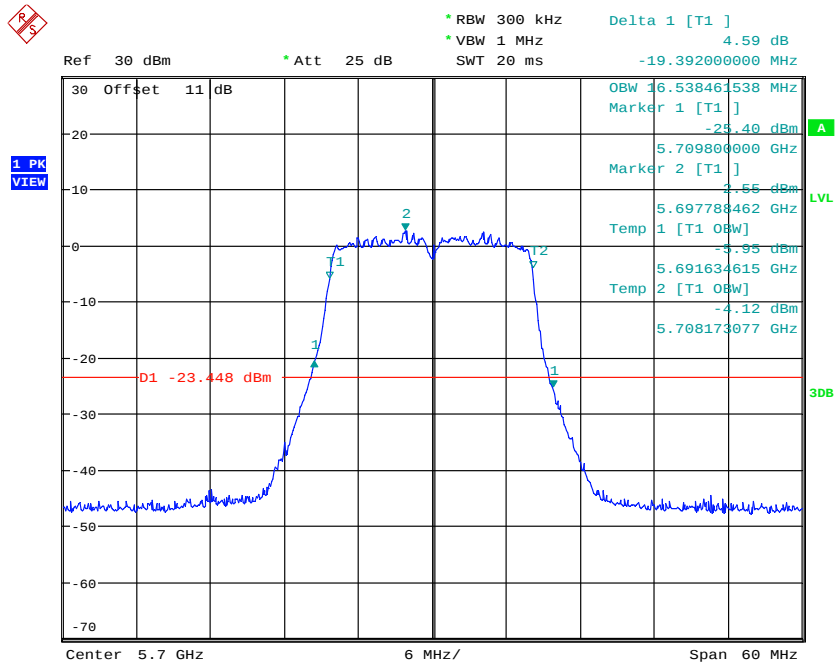
99% OBW & 26DB BANDWIDTH ANT1_11a_CH100
Date: 4.OCT.2024 15:33:48



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



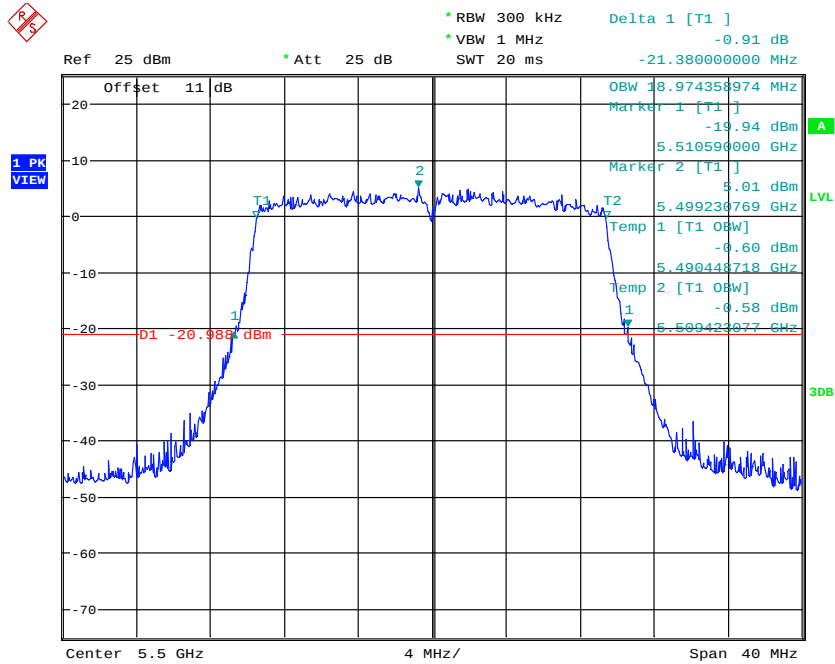
99% OBW & 26DB BANDWIDTH ANT1_11a_CH120
Date: 4.OCT.2024 15:34:54



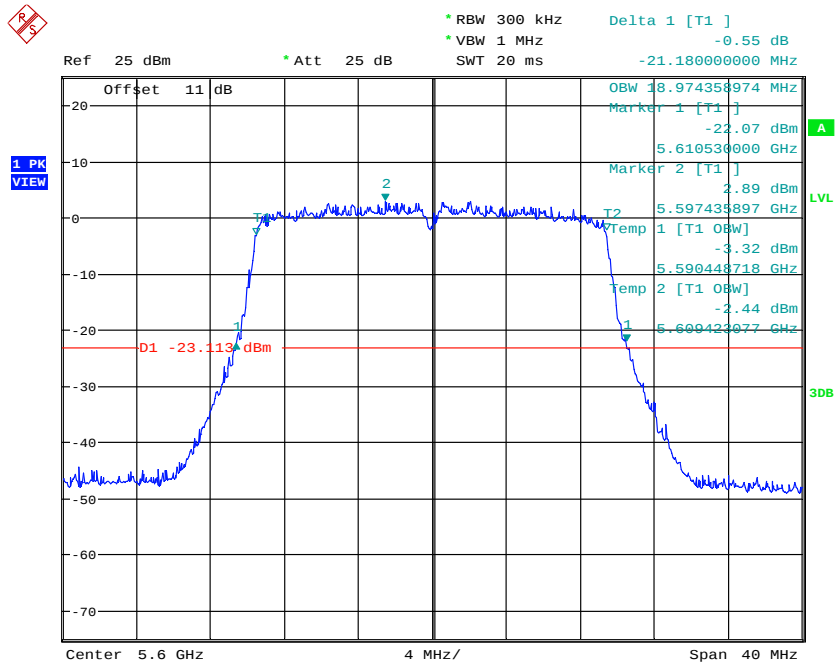
99% OBW & 26DB BANDWIDTH ANT1_11a_CH140
Date: 4.OCT.2024 15:36:06



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



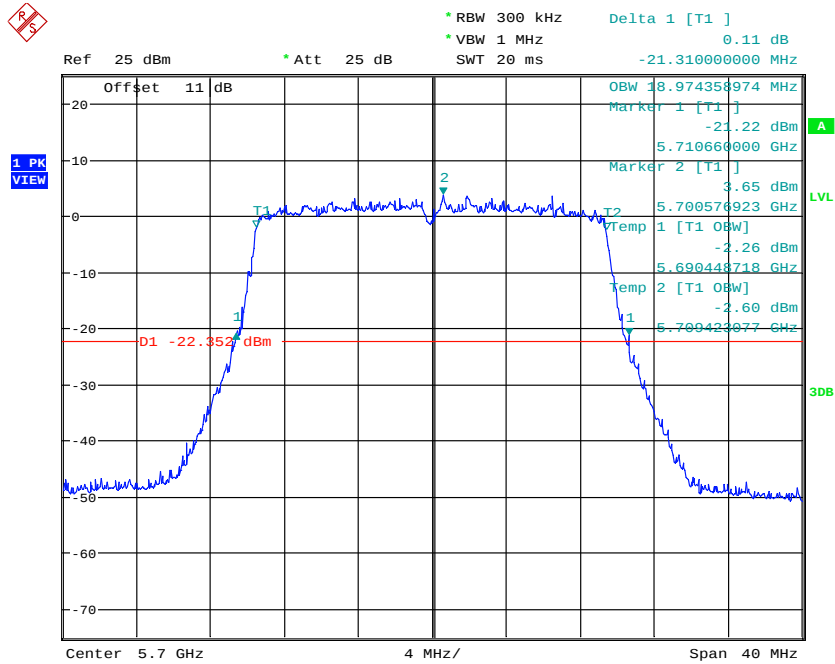
99% OBW& 26dB Bandwidth ANT_1_ax20_CH100
Date: 6.OCT.2024 09:55:17



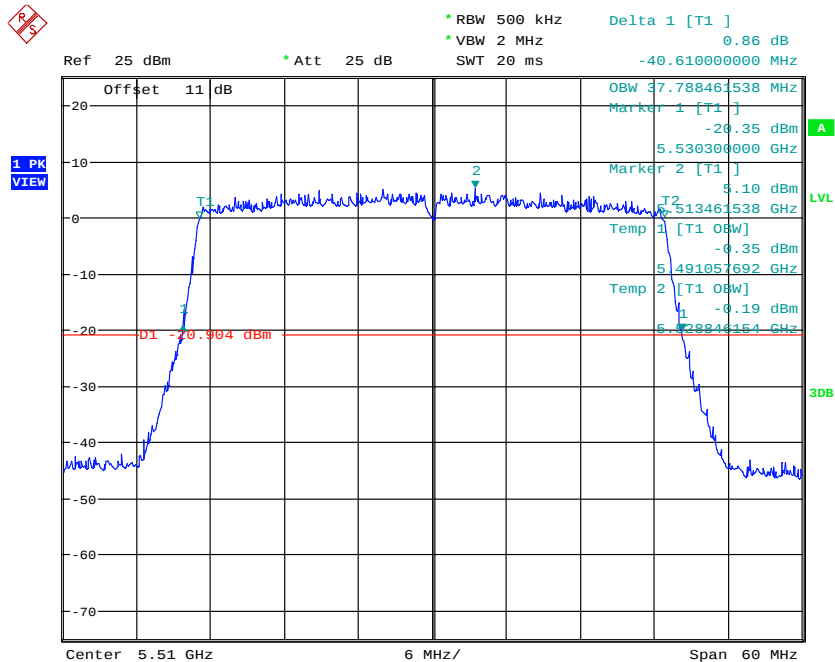
99% OBW& 26dB Bandwidth ANT_1_ax20_CH120
Date: 6.OCT.2024 09:56:43



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



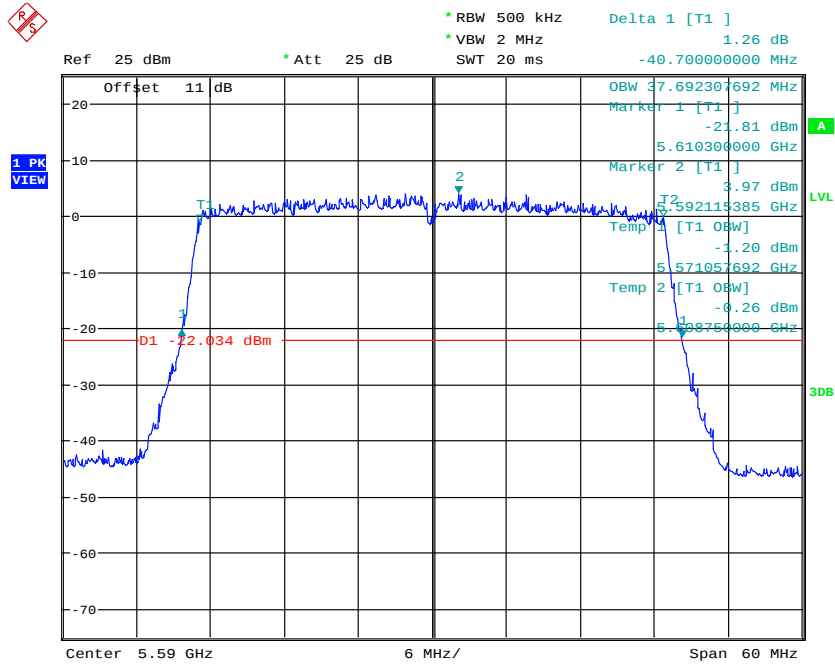
99% OBW& 26dB Bandwidth ANT_1_ax20_CH140
Date: 6.OCT.2024 09:58:13



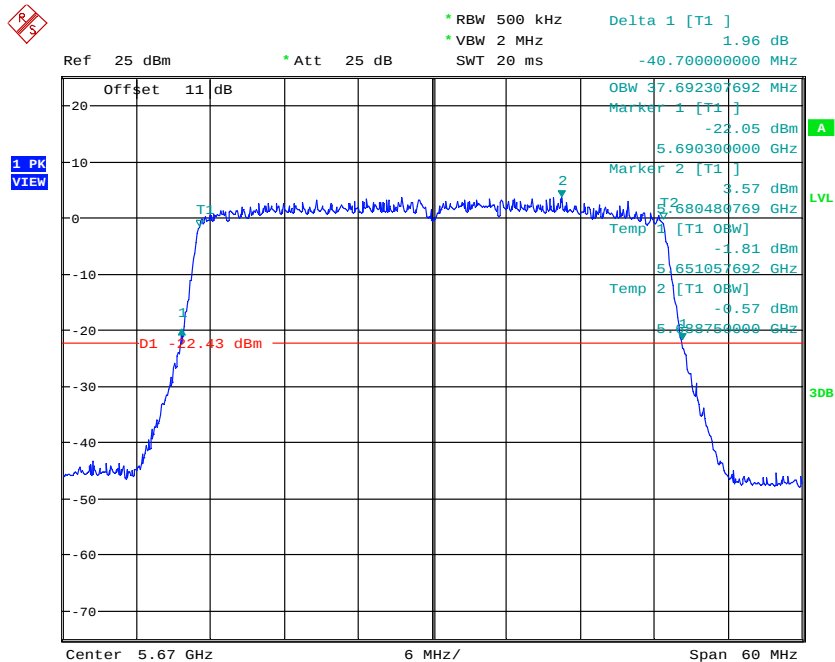
99% OBW& 26dB Bandwidth ANT_1_ax40_CH102
Date: 6.OCT.2024 09:59:54



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



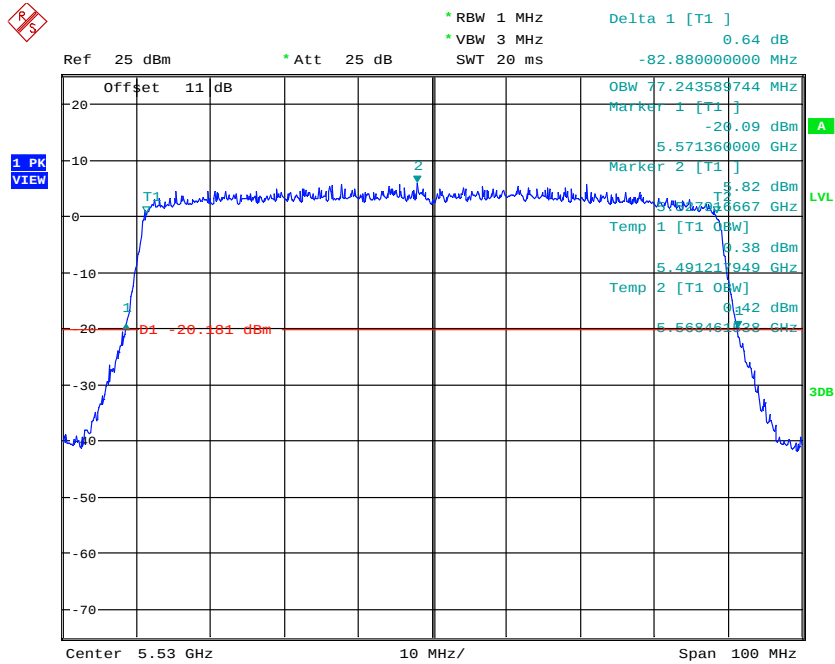
99% OBW& 26dB Bandwidth ANT_1_ax40_CH118
Date: 6.OCT.2024 10:01:29



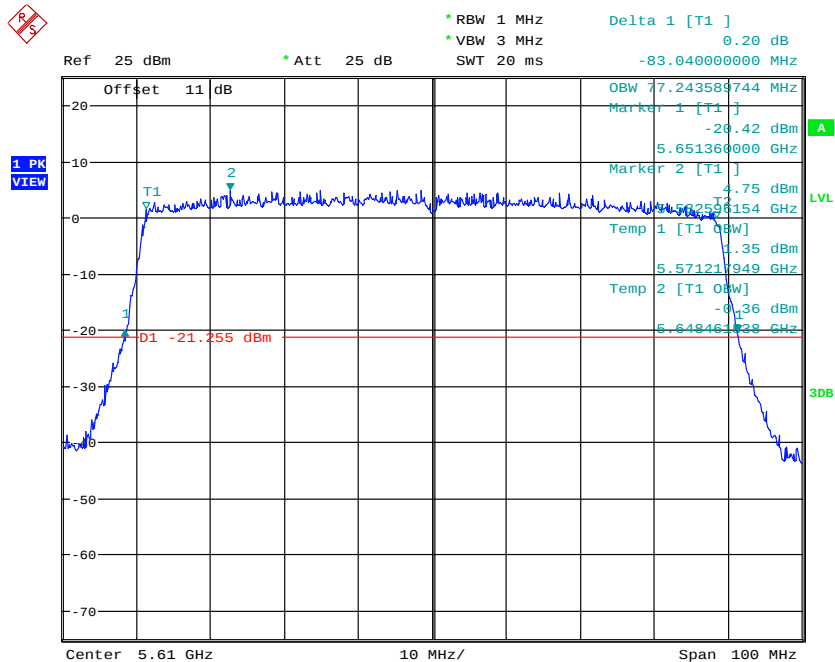
99% OBW& 26dB Bandwidth ANT_1_ax40_CH134
Date: 6.OCT.2024 10:03:19



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW& 26dB Bandwidth ANT_1_ax80_CH106
Date: 6.OCT.2024 10:05:39



99% OBW& 26dB Bandwidth ANT_1_ax80_CH122
Date: 6.OCT.2024 10:07:51

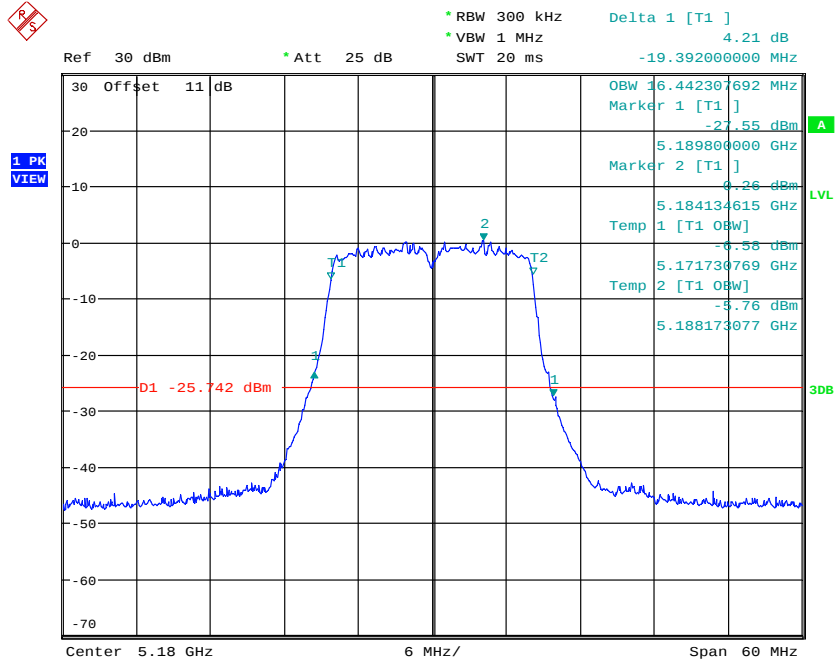


Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

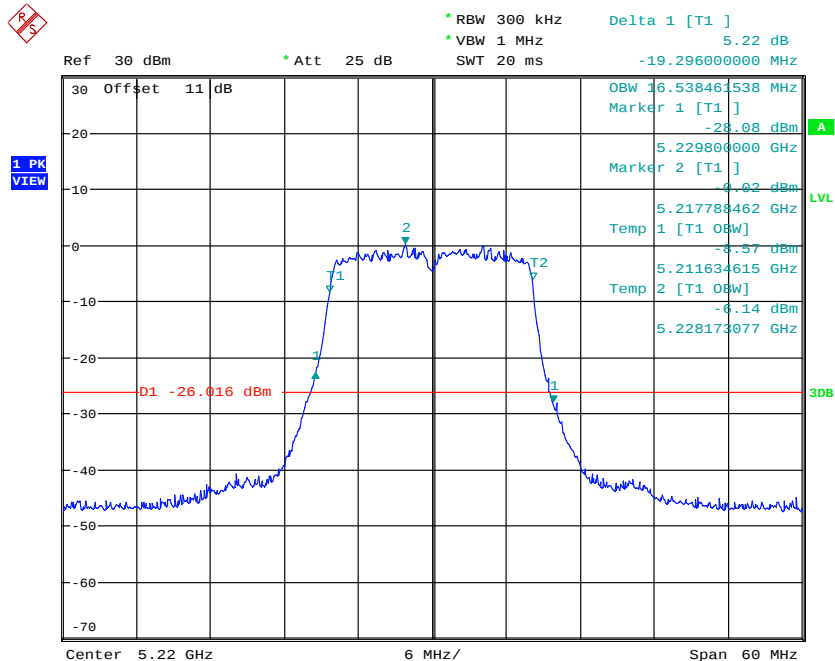
ANT 2

5.15 GHz ~ 5.25 GHz



99% OBW & 26DB BANDWIDTH ANT2_11a_CH36

Date: 4.OCT.2024 15:54:20

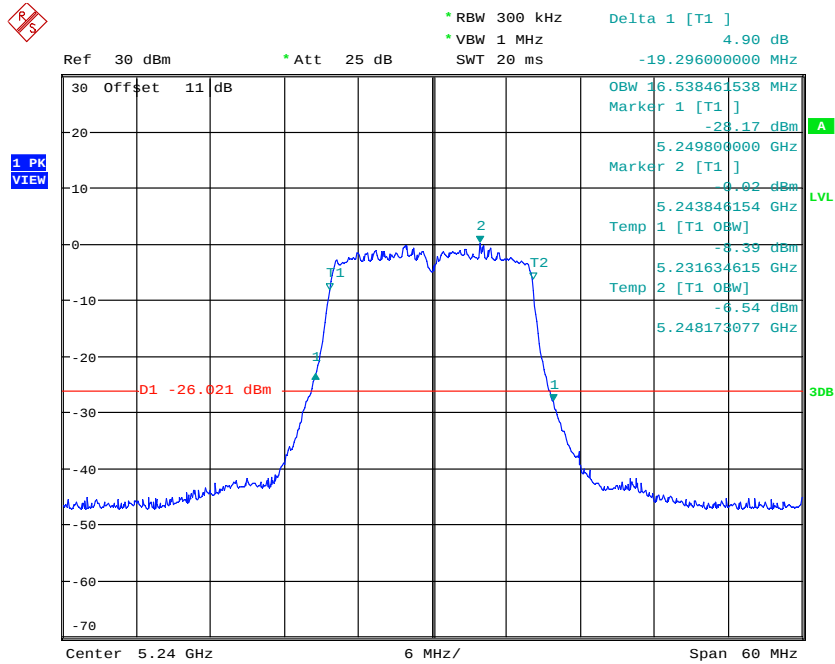


99% OBW & 26DB BANDWIDTH ANT2_11a_CH44

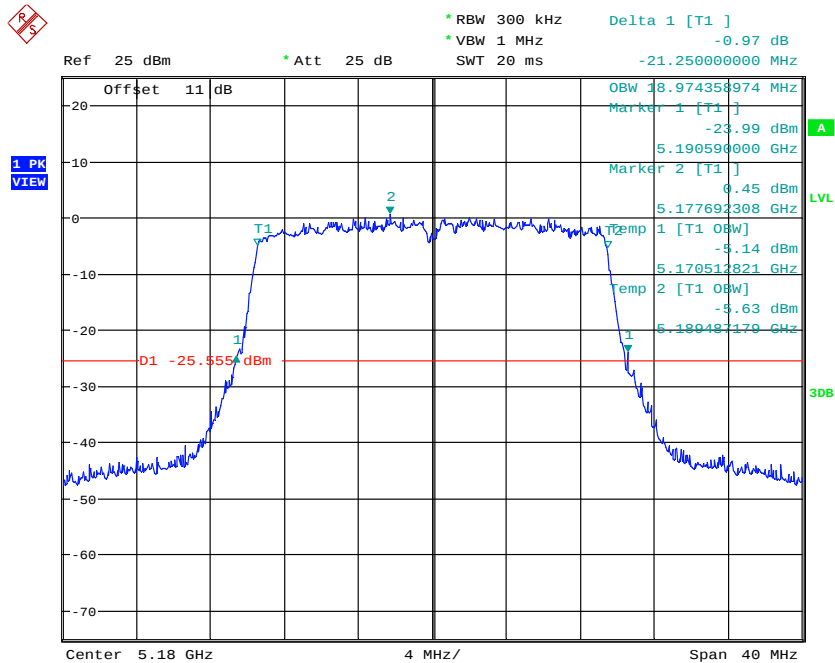
Date: 4.OCT.2024 15:56:05



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



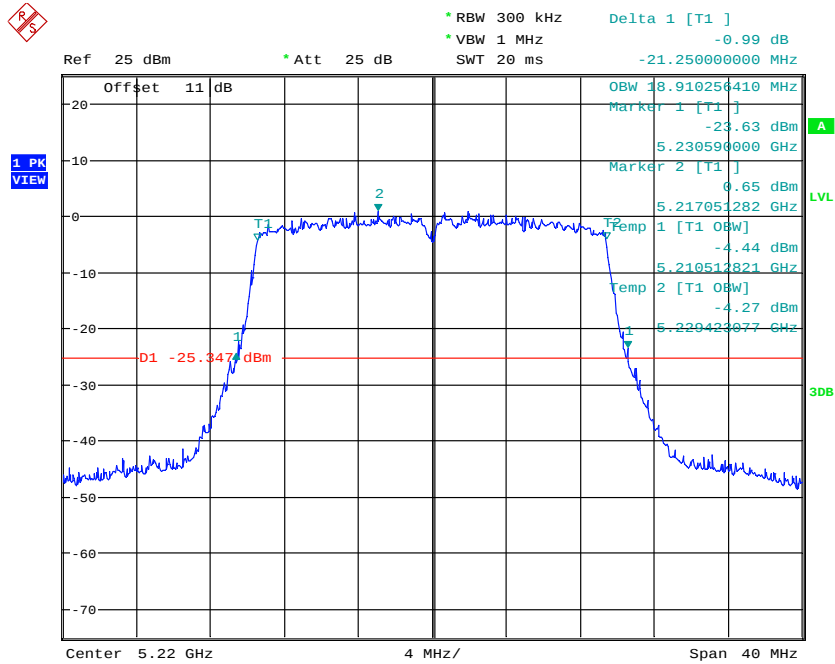
99% OBW & 26DB BANDWIDTH ANT2_11a_CH48
Date: 4.OCT.2024 15:57:11



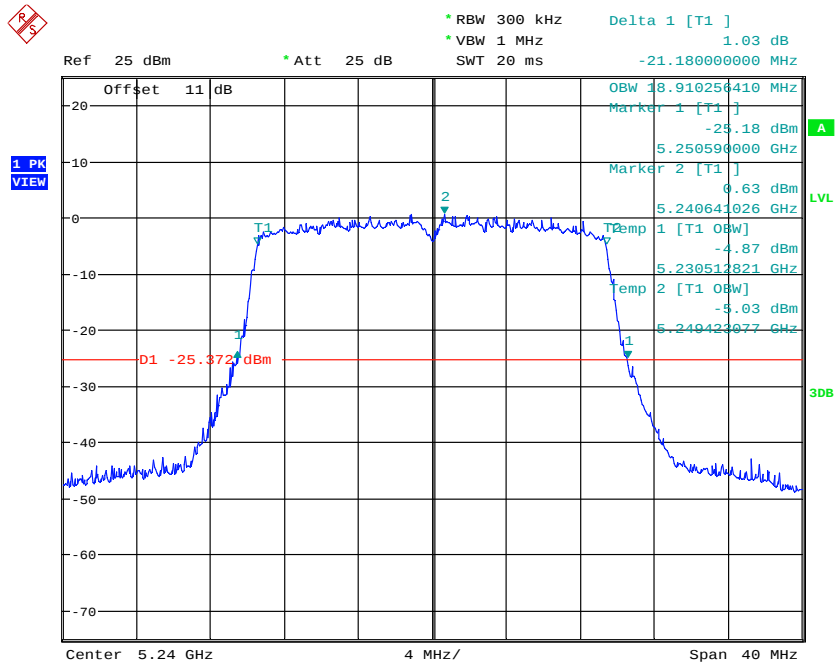
99% OBW & 26dB Bandwidth ANT_2_ax20_CH36
Date: 6.OCT.2024 09:20:22



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



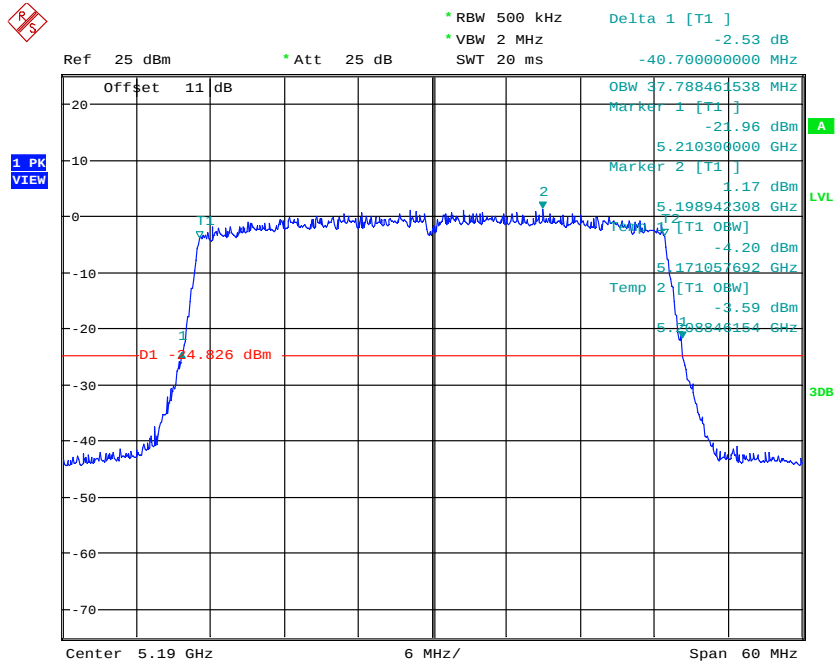
99% OBW& 26dB Bandwidth ANT_2_ax20_CH44
Date: 6.OCT.2024 09:22:49



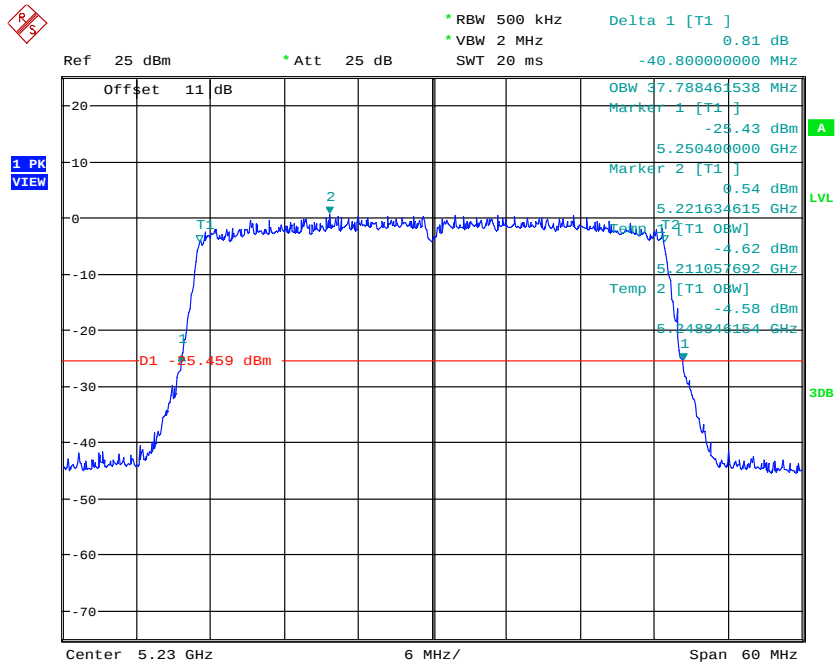
99% OBW& 26dB Bandwidth ANT_2_ax20_CH48
Date: 6.OCT.2024 09:25:25



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



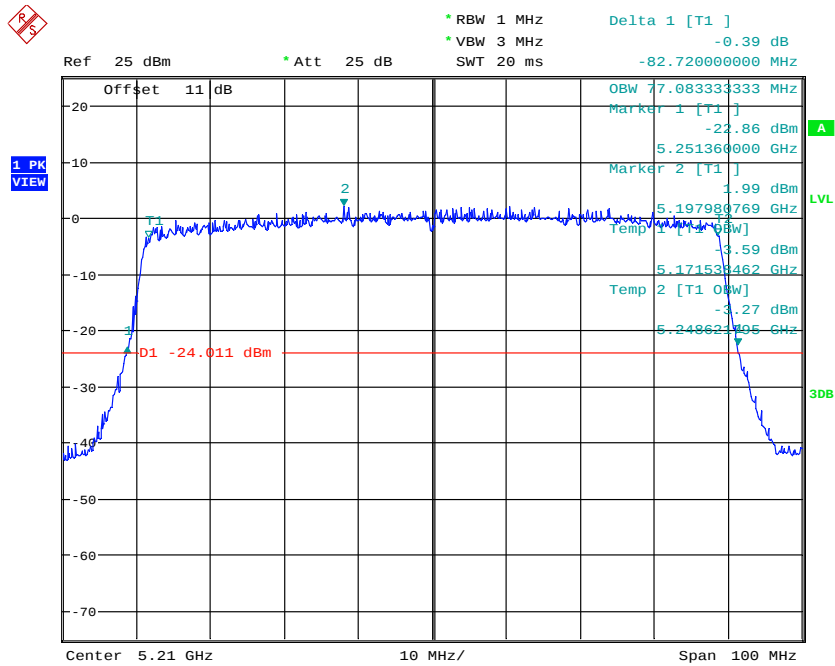
99% OBW& 26dB Bandwidth ANT_2_ax40_CH38
Date: 6.OCT.2024 09:31:54



99% OBW& 26dB Bandwidth ANT_2_ax40_CH46
Date: 6.OCT.2024 09:33:19

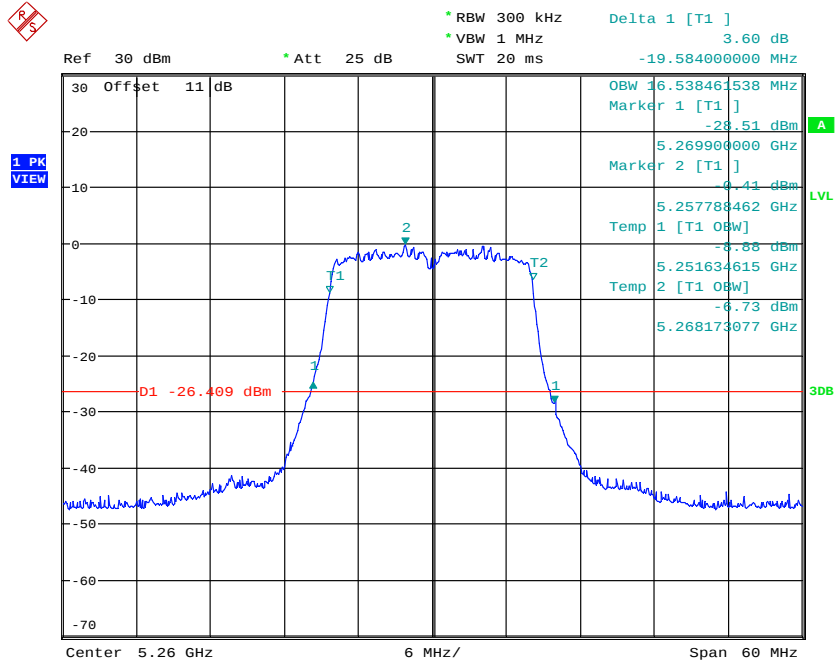


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW & 26dB Bandwidth ANT_2_ax80_CH42
Date: 6.OCT.2024 09:35:30

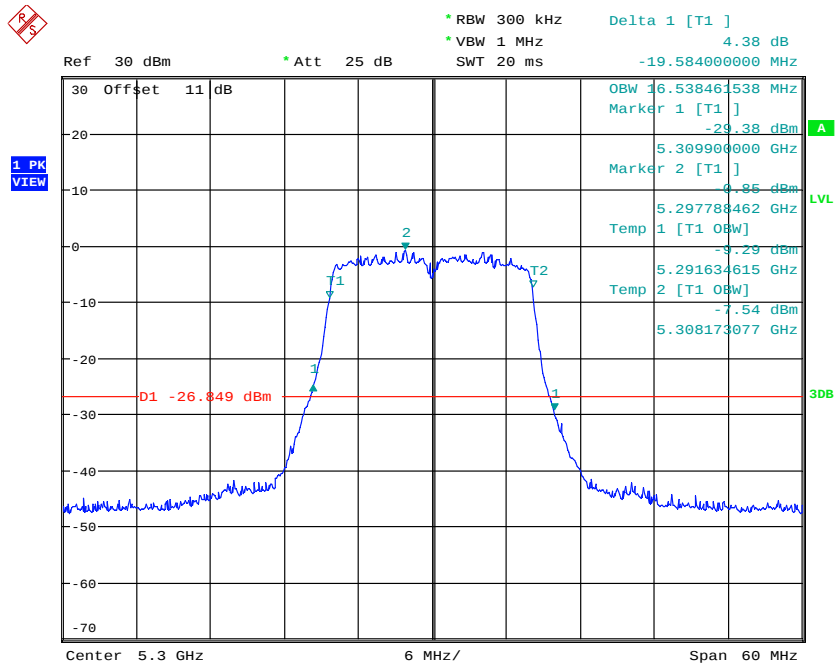
5.25 GHz ~ 5.35 GHz



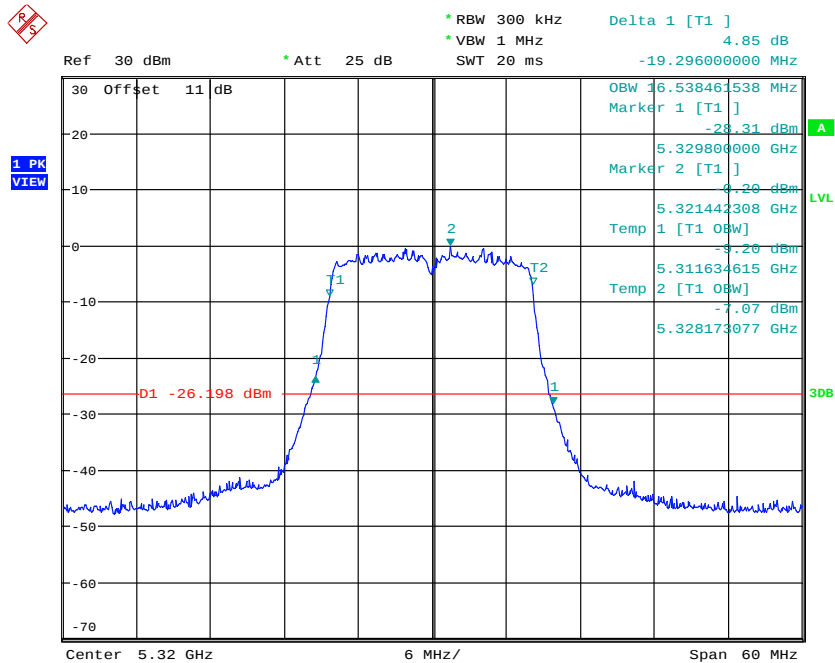
99% OBW & 26DB BANDWIDTH ANT2_11a_CH52
Date: 4.OCT.2024 15:58:39



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



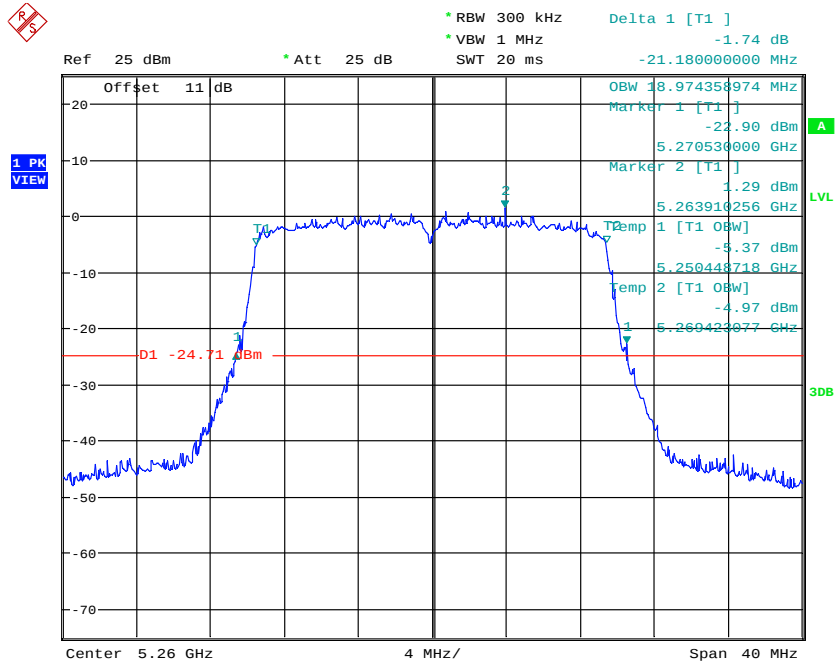
99% OBW & 26DB BANDWIDTH ANT2_11a_CH60
Date: 4.OCT.2024 15:59:45



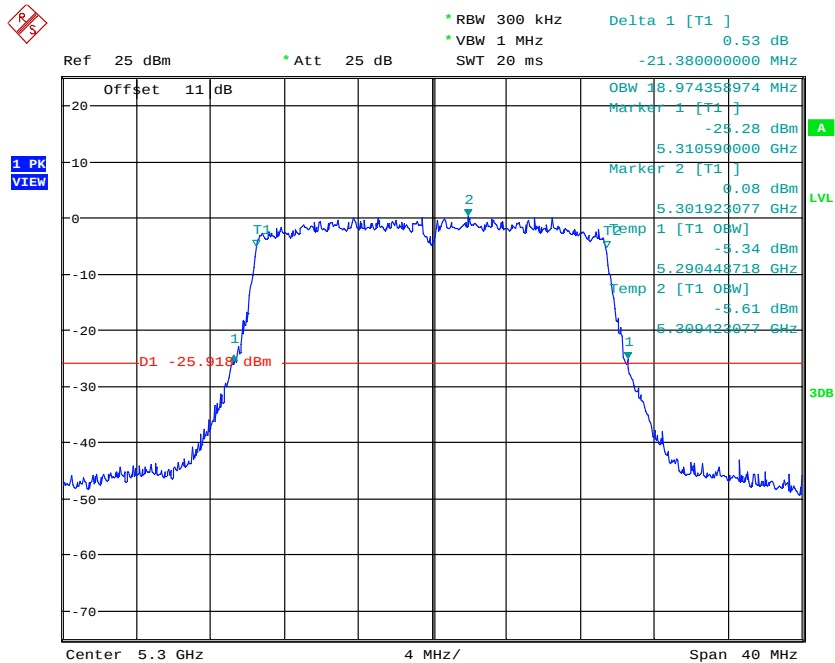
99% OBW & 26DB BANDWIDTH ANT2_11a_CH64
Date: 4.OCT.2024 16:01:13



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



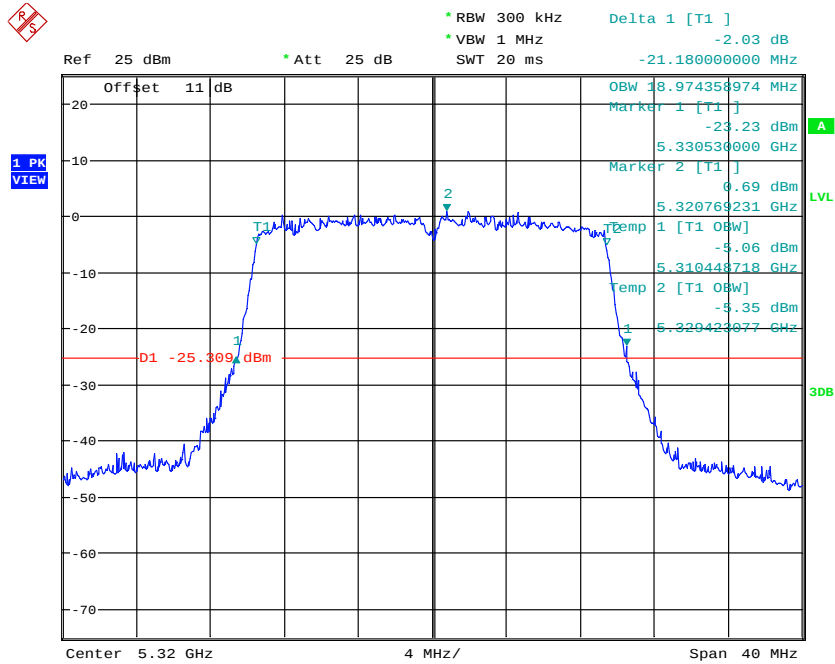
99% OBW& 26dB Bandwidth ANT_2_ax20_CH52
Date: 6.OCT.2024 09:46:10



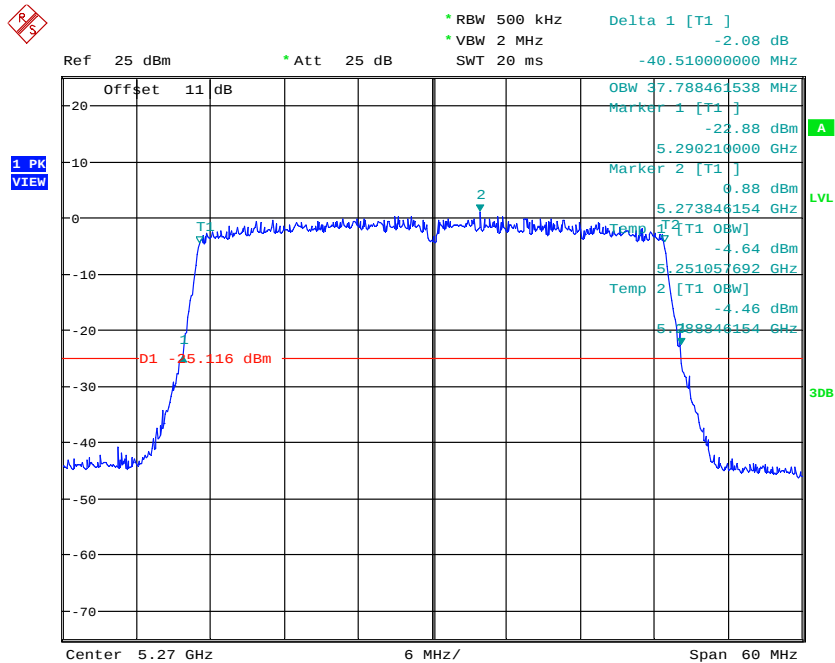
99% OBW& 26dB Bandwidth ANT_2_ax20_CH60
Date: 6.OCT.2024 09:52:36



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



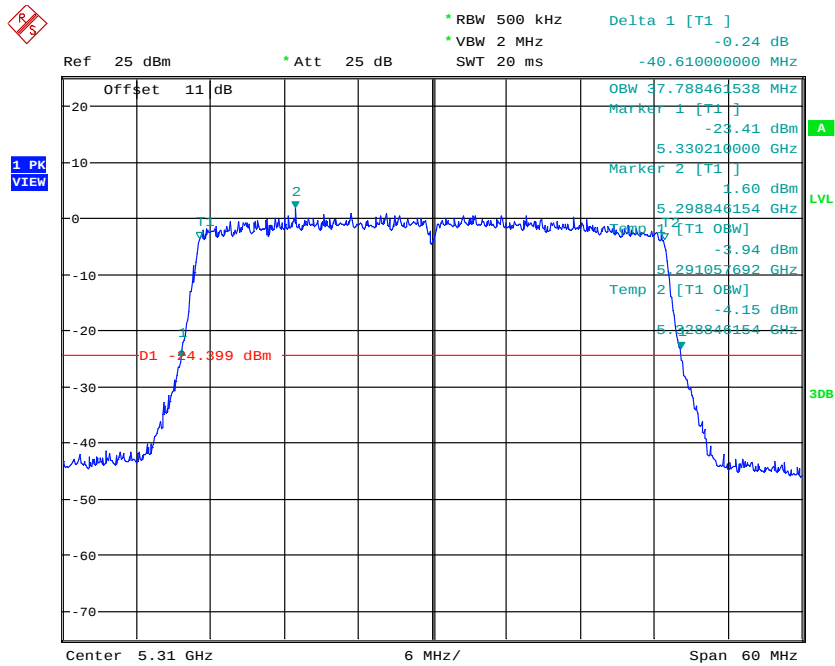
99% OBW& 26dB Bandwidth ANT_2_ax20_CH64
Date: 6.OCT.2024 09:49:24



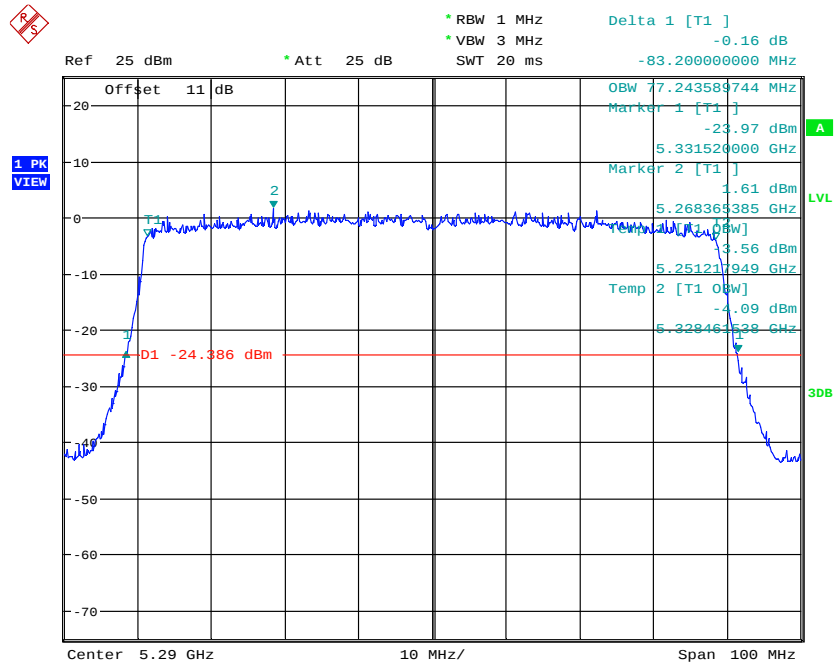
99% OBW& 26dB Bandwidth ANT_2_ax40_CH54
Date: 6.OCT.2024 09:42:55



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW& 26dB Bandwidth ANT_2_ax40_CH62
Date: 6.OCT.2024 09:44:29



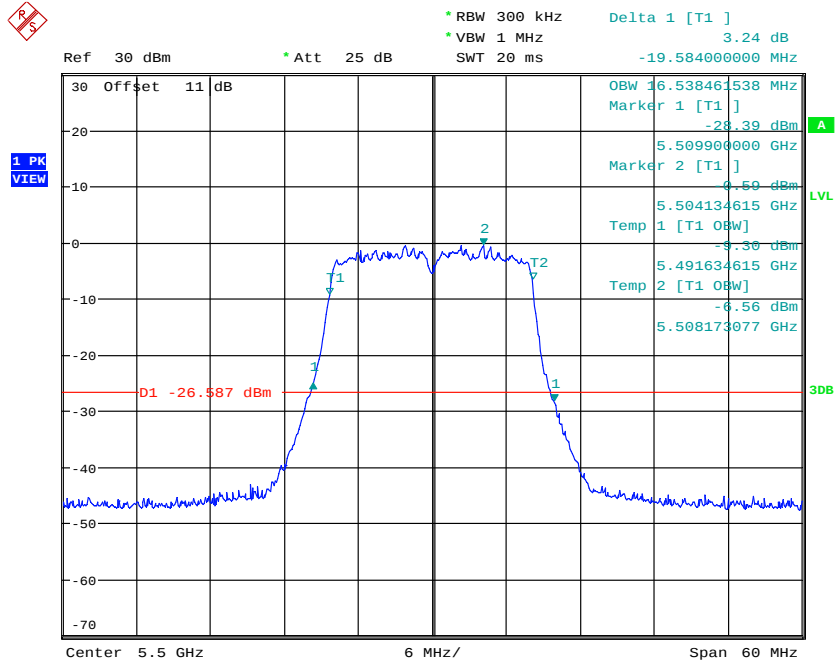
99% OBW& 26dB Bandwidth ANT_2_ax80_CH58
Date: 6.OCT.2024 09:41:20



Registration number: W6M22405-23479-C-55

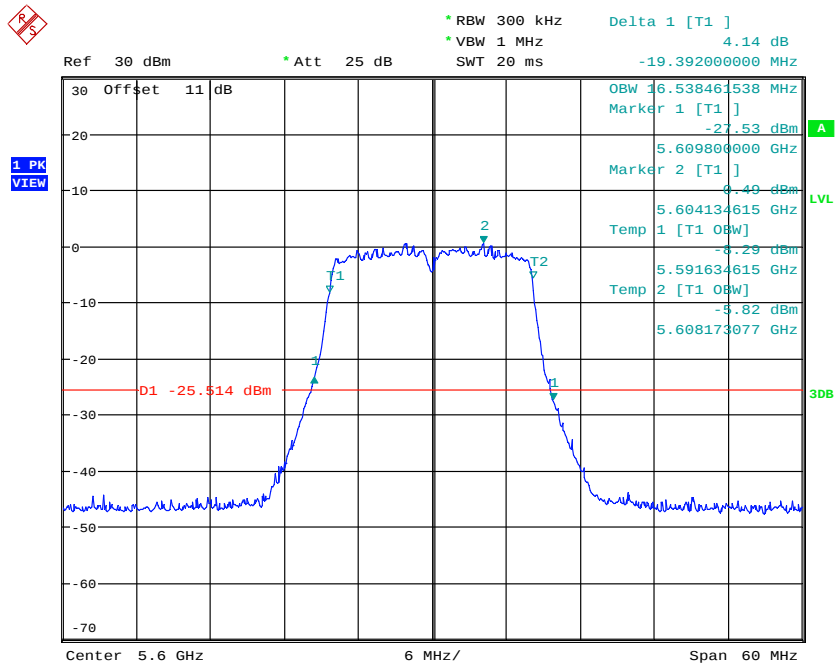
FCC ID: 2AG3J-WRPT50001

5.47 GHz ~ 5.725 GHz



99% OBW & 26DB BANDWIDTH ANT2_11a_CH100

Date: 4.OCT.2024 15:49:40

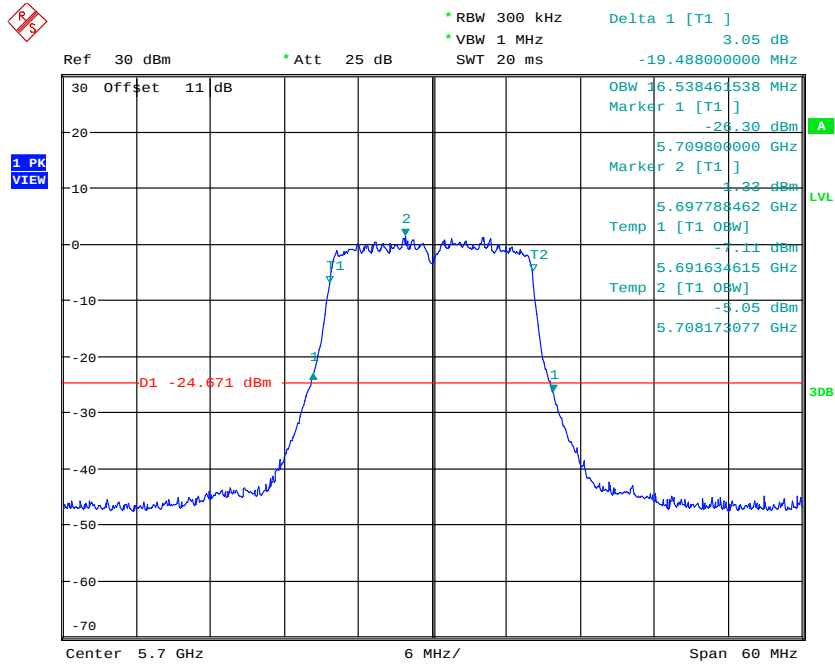


99% OBW & 26DB BANDWIDTH ANT2_11a_CH120

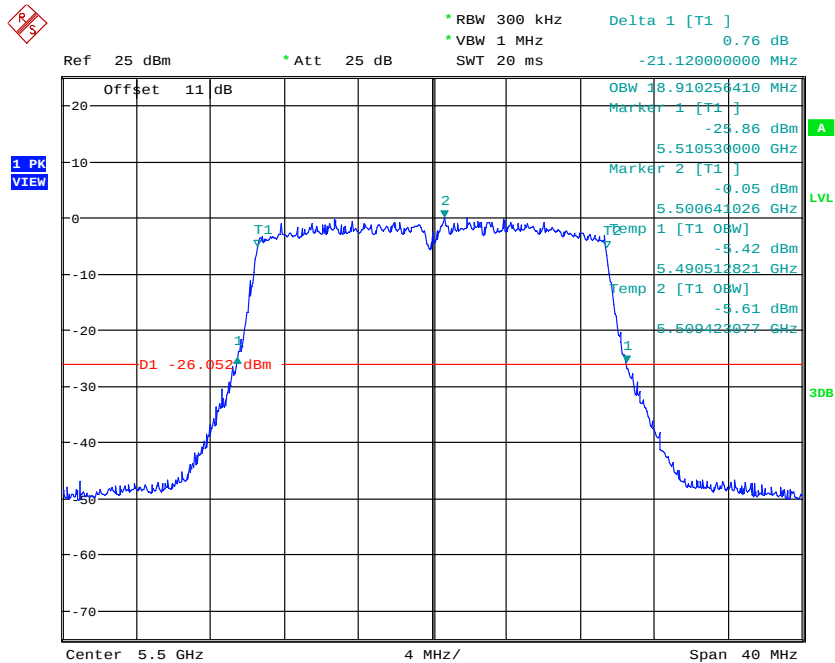
Date: 4.OCT.2024 15:50:51



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



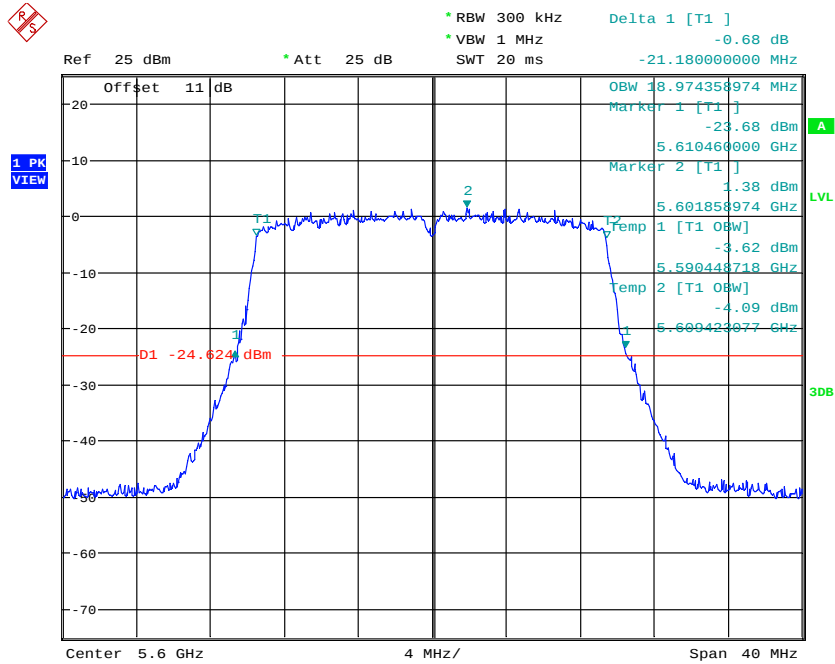
99% OBW & 26DB BANDWIDTH ANT2_11a_CH140
Date: 4.OCT.2024 15:52:03



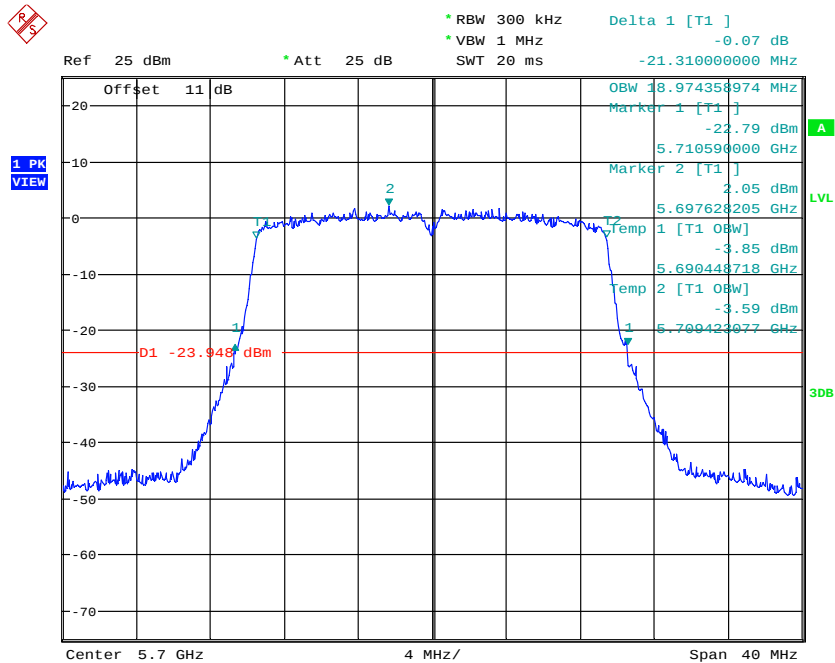
99% OBW & 26dB Bandwidth ANT_2_ax20_CH100
Date: 6.OCT.2024 09:55:42



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



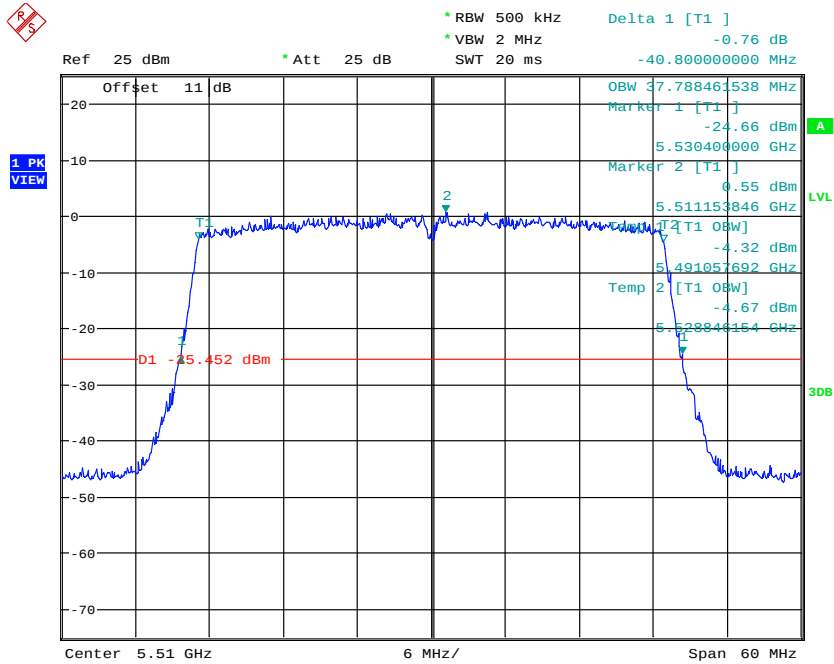
99% OBW& 26dB Bandwidth ANT_2_ax20_CH120
Date: 6.OCT.2024 09:57:09



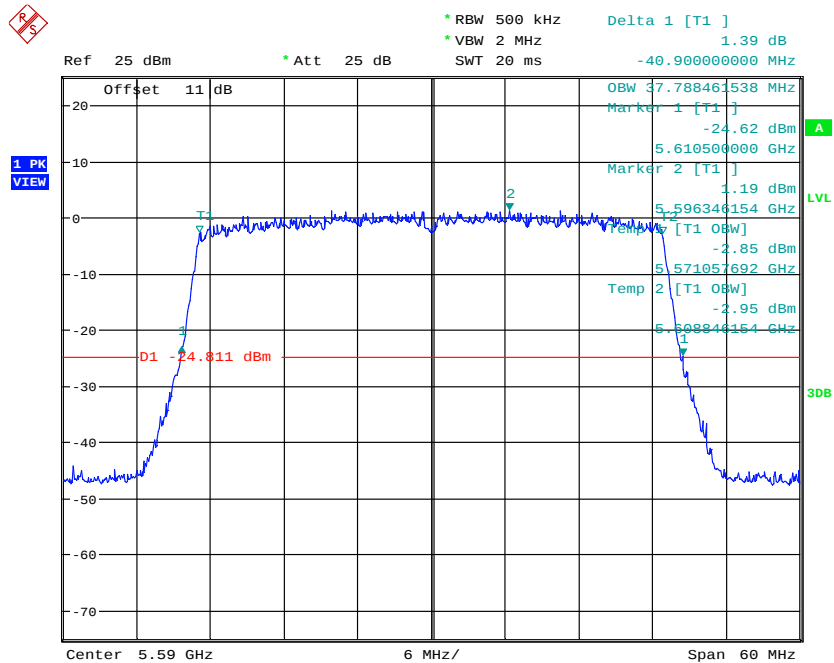
99% OBW& 26dB Bandwidth ANT_2_ax20_CH140
Date: 6.OCT.2024 09:58:40



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



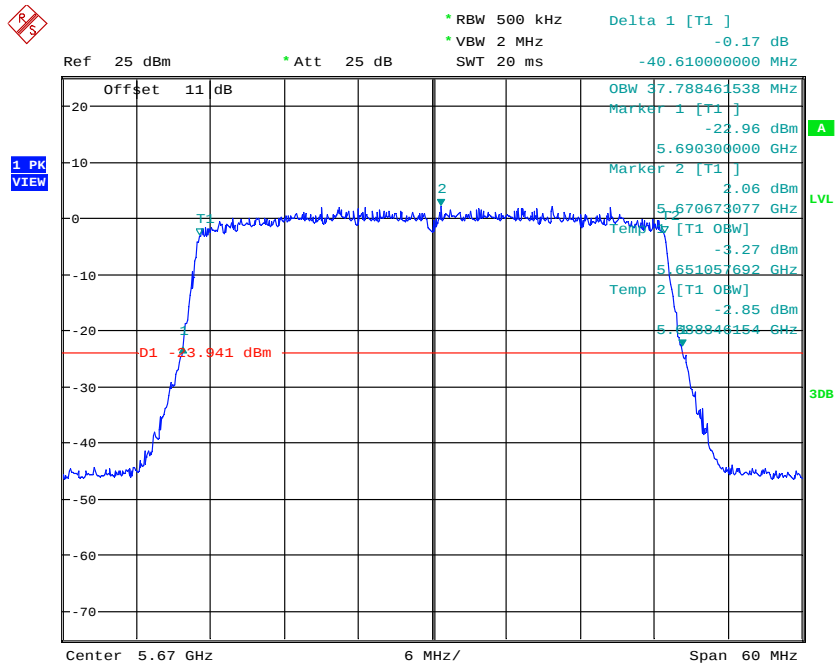
99% OBW& 26dB Bandwidth ANT_2_ax40_CH102
Date: 6.OCT.2024 10:00:20



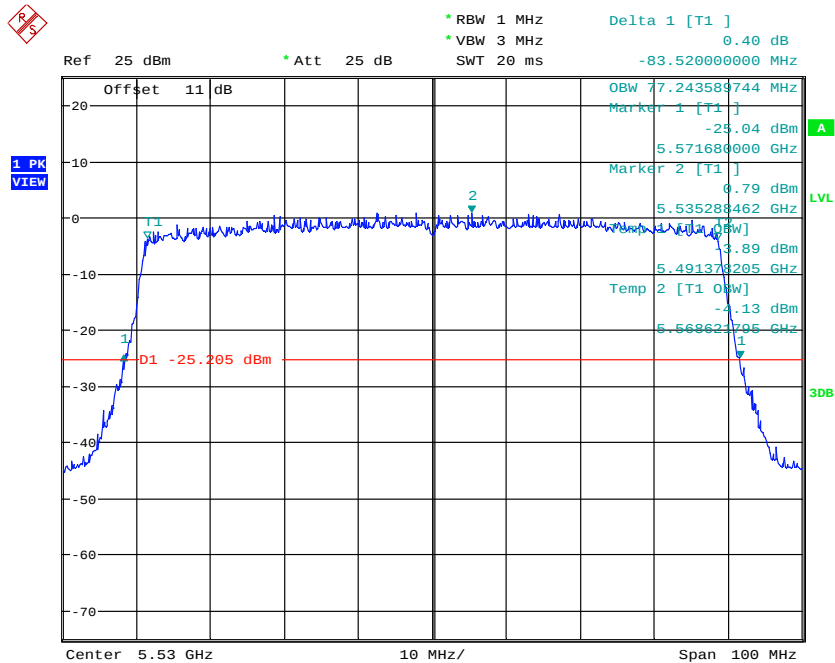
99% OBW& 26dB Bandwidth ANT_2_ax40_CH118
Date: 6.OCT.2024 10:02:02



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



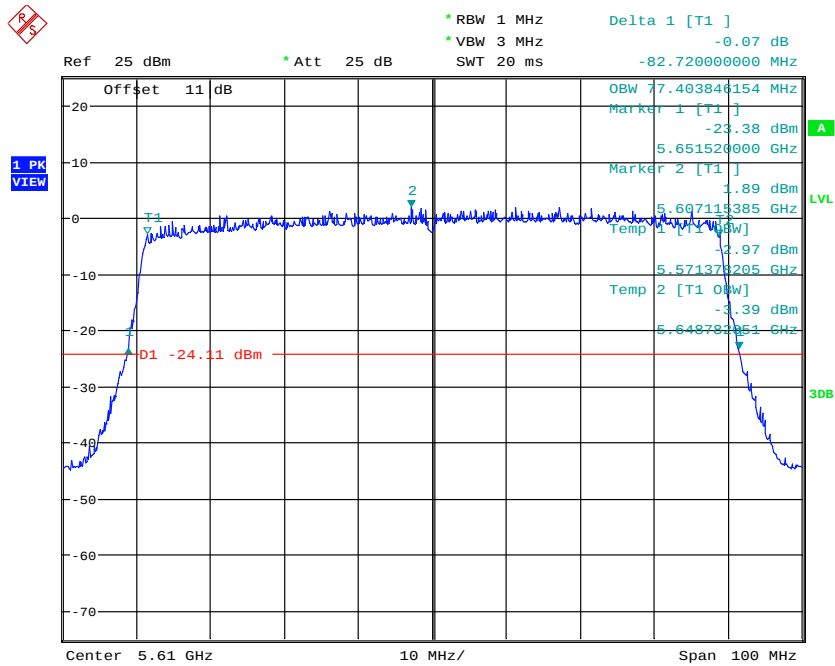
99% OBW& 26dB Bandwidth ANT_2_ax40_CH134
Date: 6.OCT.2024 10:03:49



99% OBW& 26dB Bandwidth ANT_2_ax80_CH106
Date: 6.OCT.2024 10:06:14



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW& 26dB Bandwidth ANT_2_ax80_CH122

Date: 6.OCT.2024 10:08:30



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

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

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

Result:

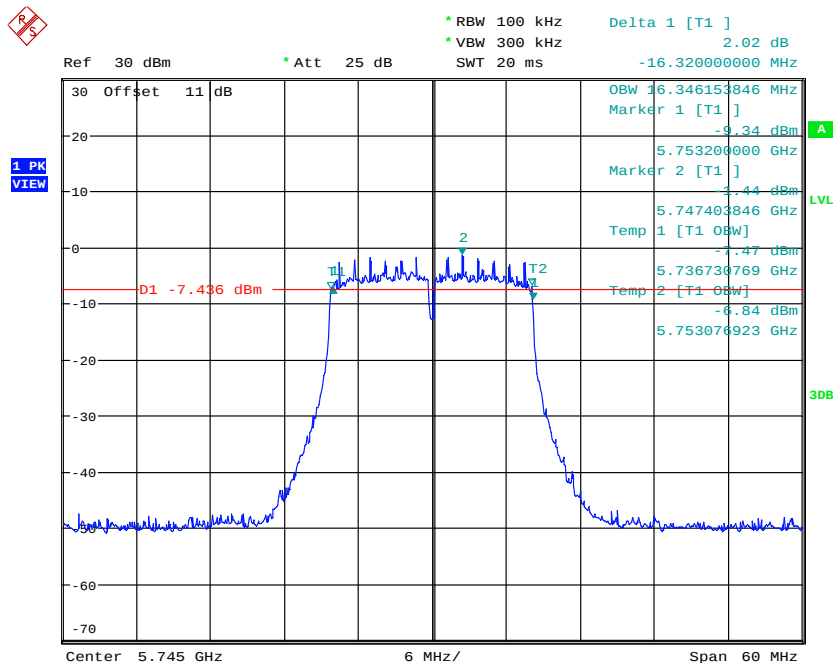
Test date: October 04, 2024-October 06, 2024

Temperature: 26.8 °C

Humidity: 56.3 %

Tester: Sora

ANT 1

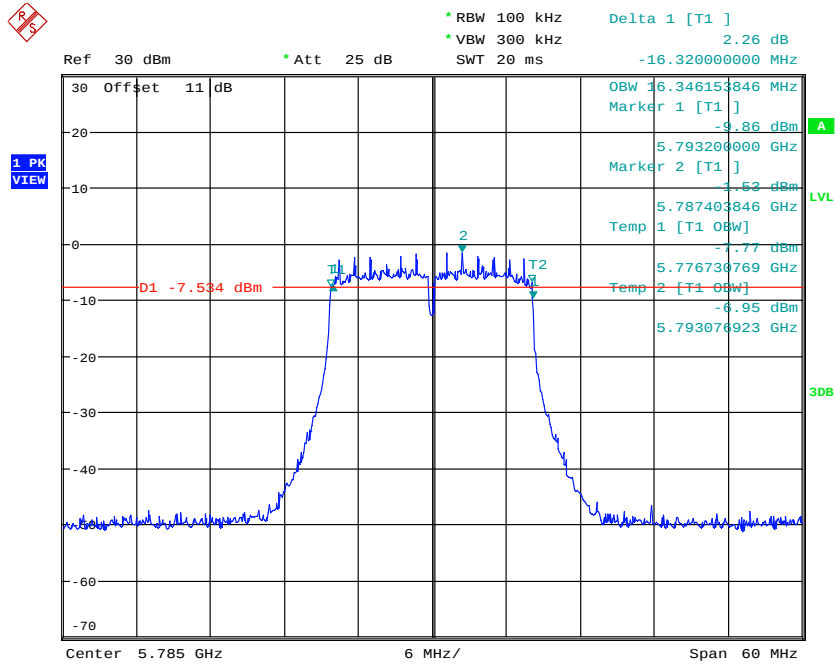


99% OBW & 6DB BANDWIDTH ANT1_11a_CH149
Date: 4.OCT.2024 15:39:57

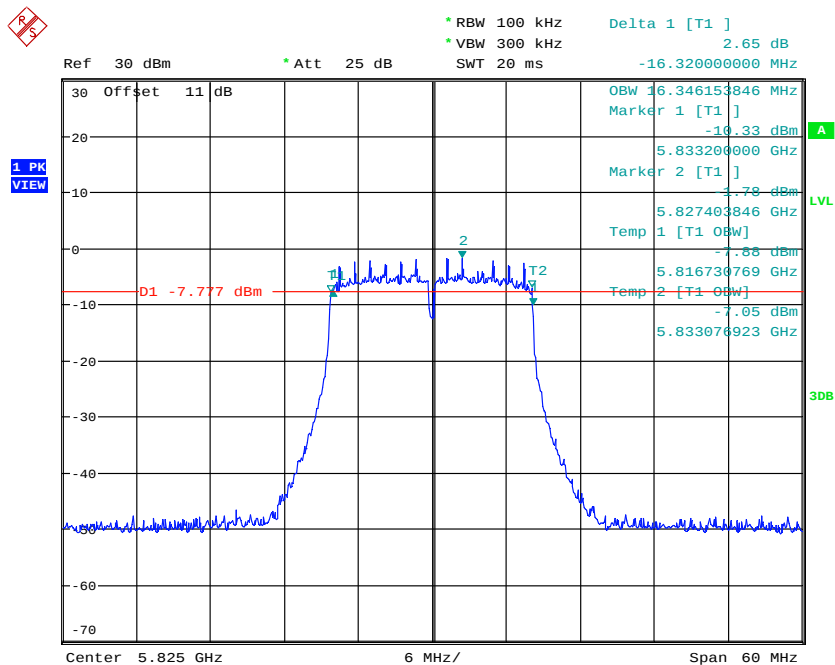


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



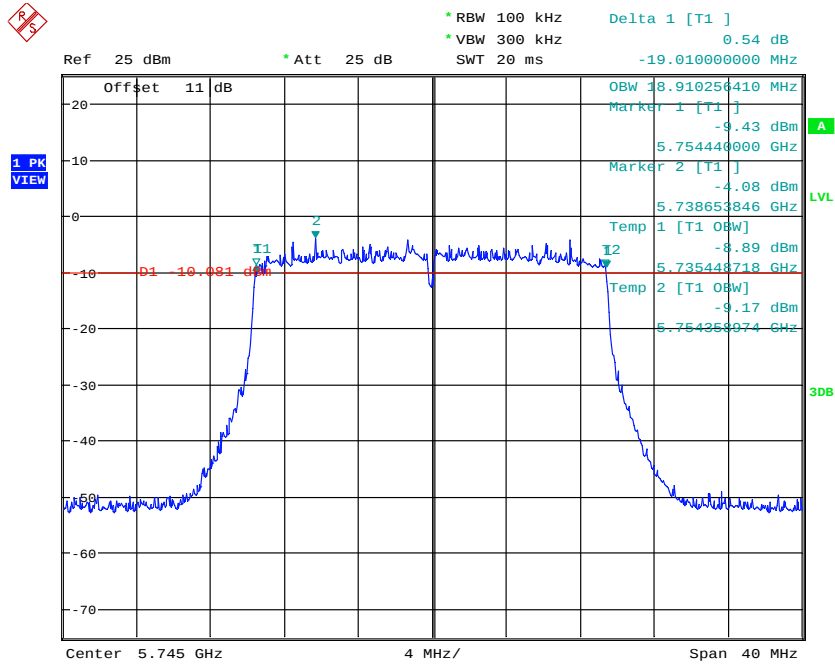
99% OBW & 6DB BANDWIDTH ANT1_11a_CH157
Date: 4.OCT.2024 15:41:25



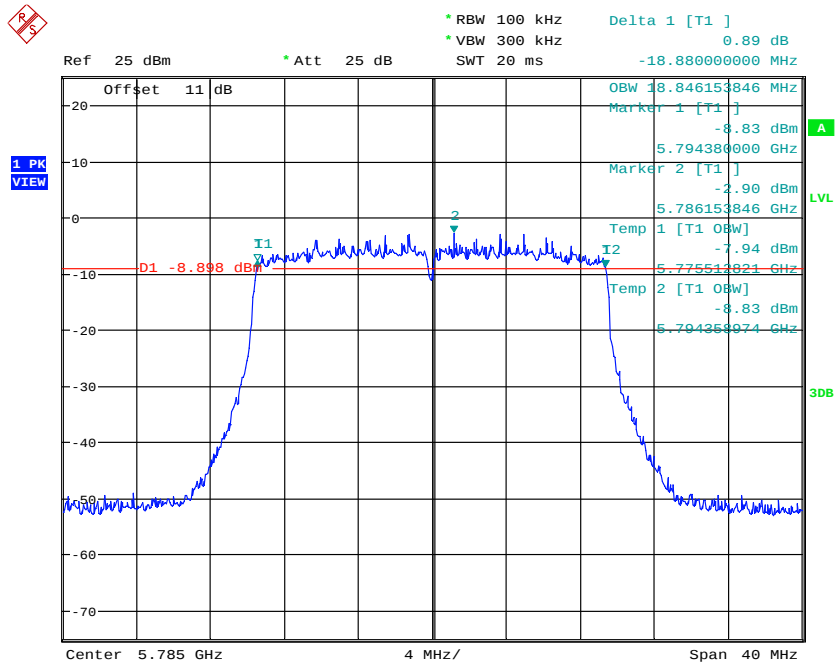
99% OBW & 6DB BANDWIDTH ANT1_11a_CH165
Date: 4.OCT.2024 15:43:04



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



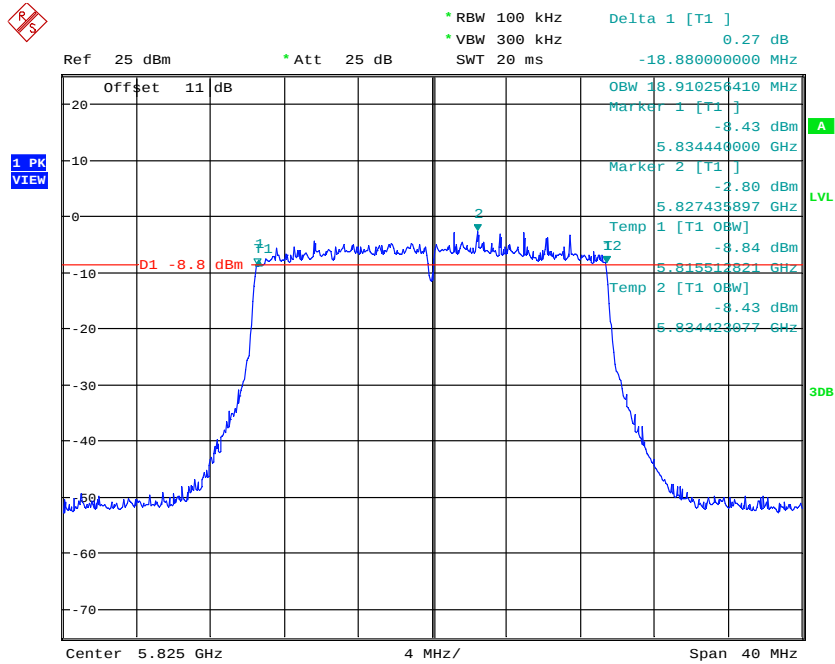
99% OBW& 6dB Bandwidth ANT_1_ax20_CH149
Date: 6.OCT.2024 10:29:23



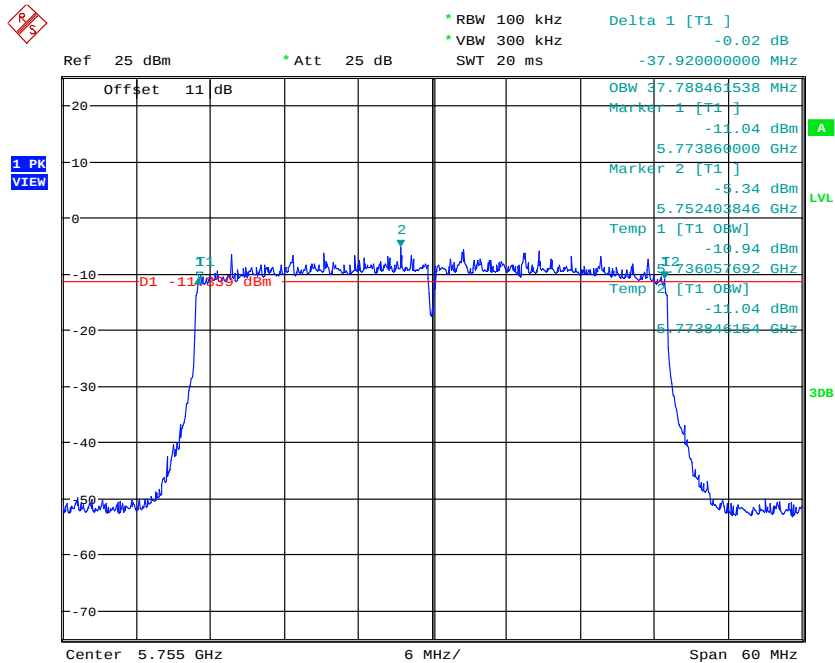
99% OBW& 6dB Bandwidth ANT_1_ax20_CH157
Date: 6.OCT.2024 10:32:03



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



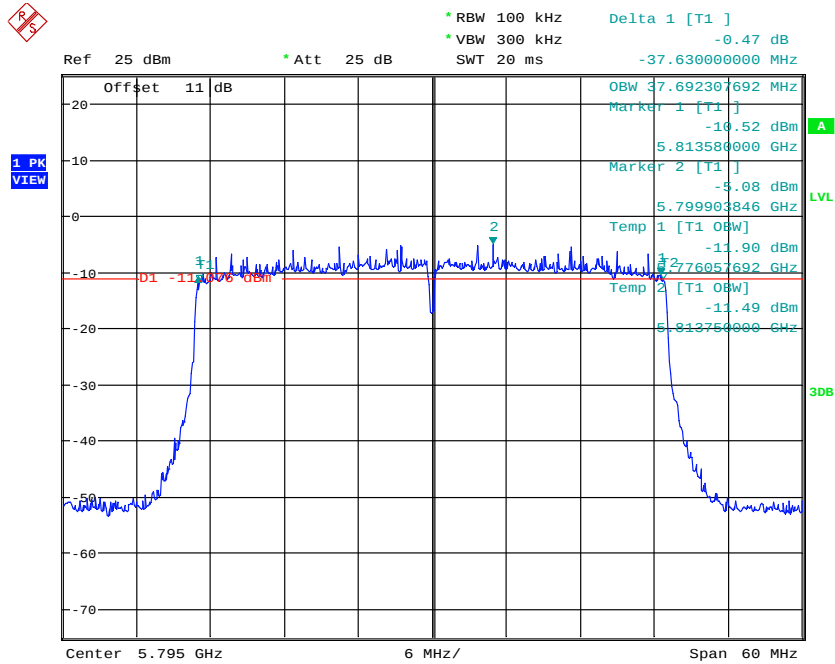
99% OBW& 6dB Bandwidth ANT_1_ax20_CH165
Date: 6.OCT.2024 10:33:44



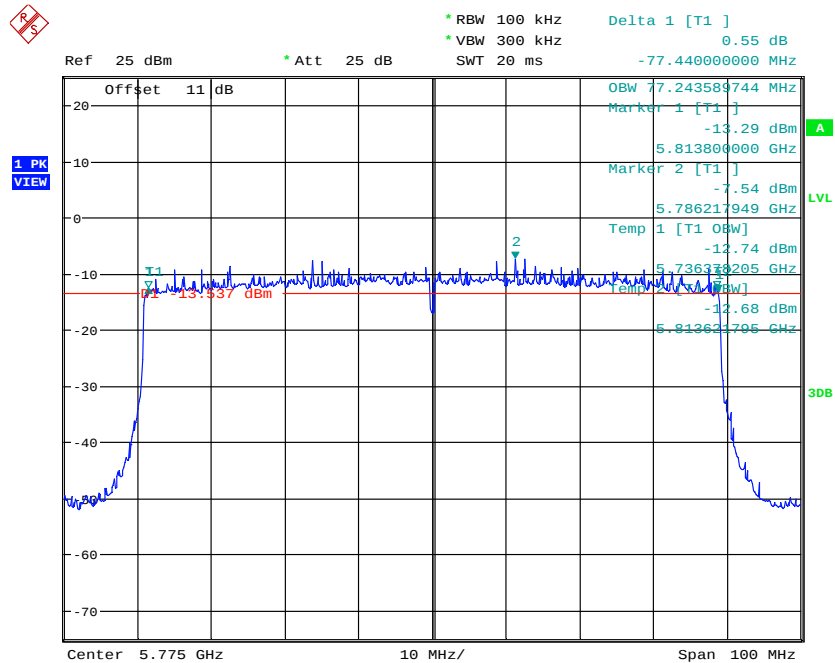
99% OBW& 6dB Bandwidth ANT_1_ax40_CH151
Date: 6.OCT.2024 10:27:24



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW& 6dB Bandwidth ANT_1_ax40_CH159
Date: 6.OCT.2024 10:25:31



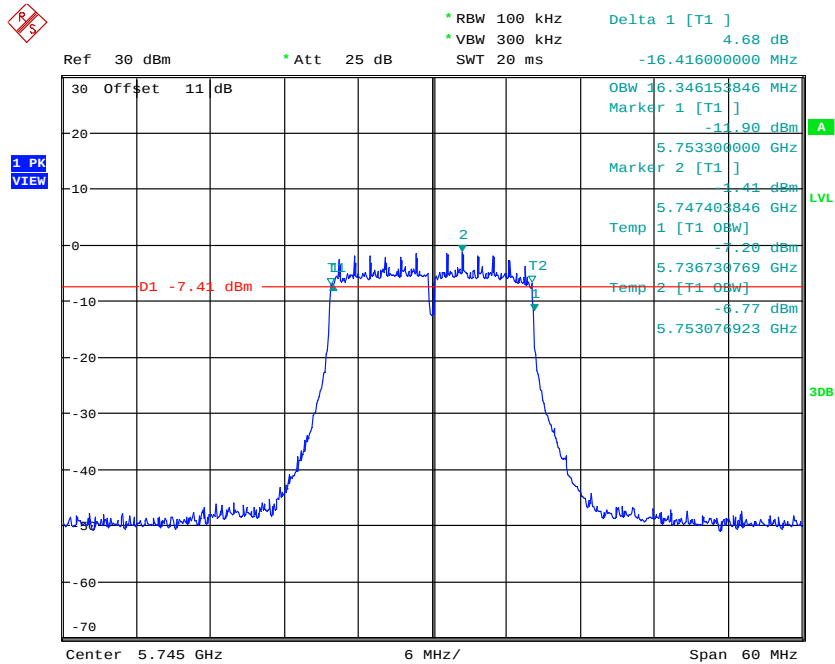
99% OBW& 6dB Bandwidth ANT_1_ax80_CH155
Date: 6.OCT.2024 10:21:34



Registration number: W6M22405-23479-C-55

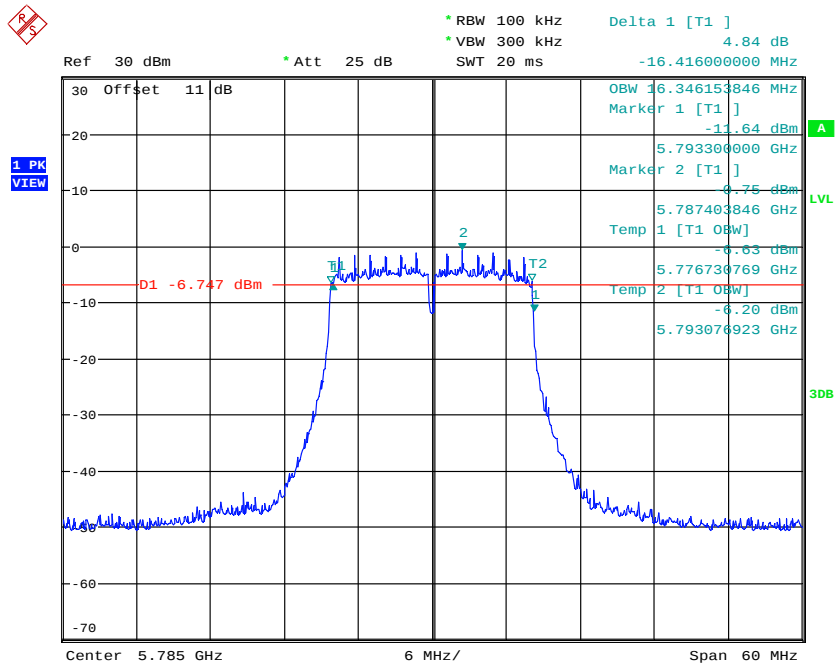
FCC ID: 2AG3J-WRPT50001

ANT 2



99% OBW & 6DB BANDWIDTH ANT2_11a_CH149

Date: 4.OCT.2024 15:44:43



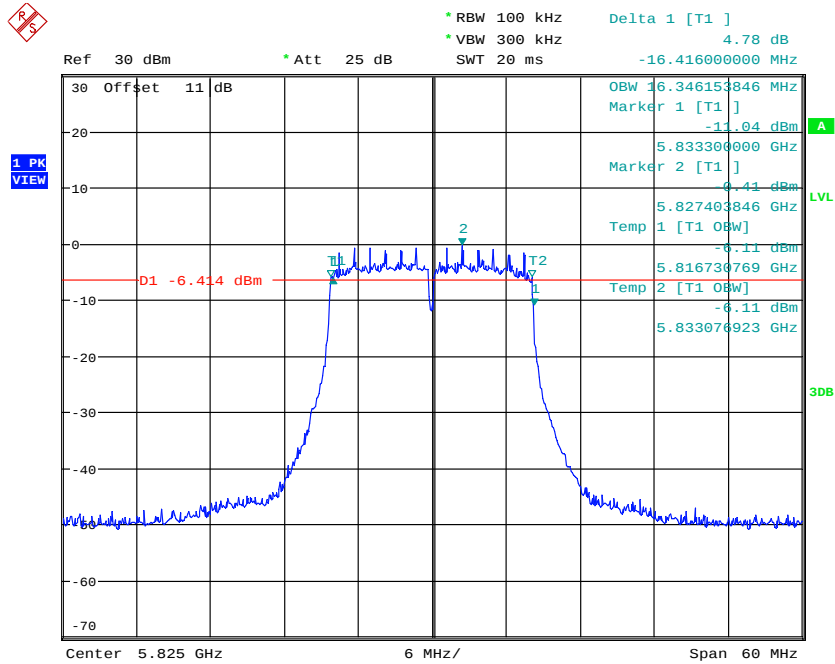
99% OBW & 6DB BANDWIDTH ANT2_11a_CH157

Date: 4.OCT.2024 15:45:54

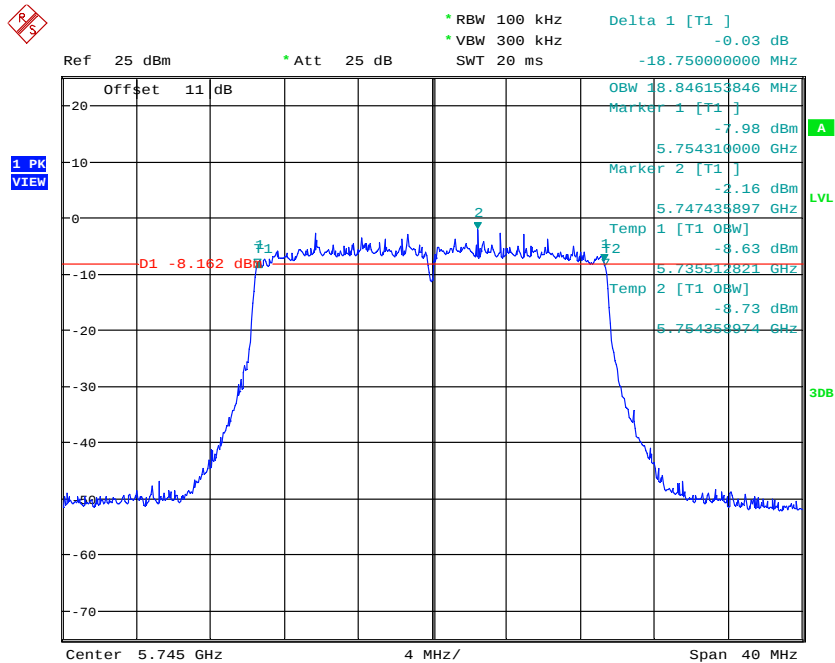


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



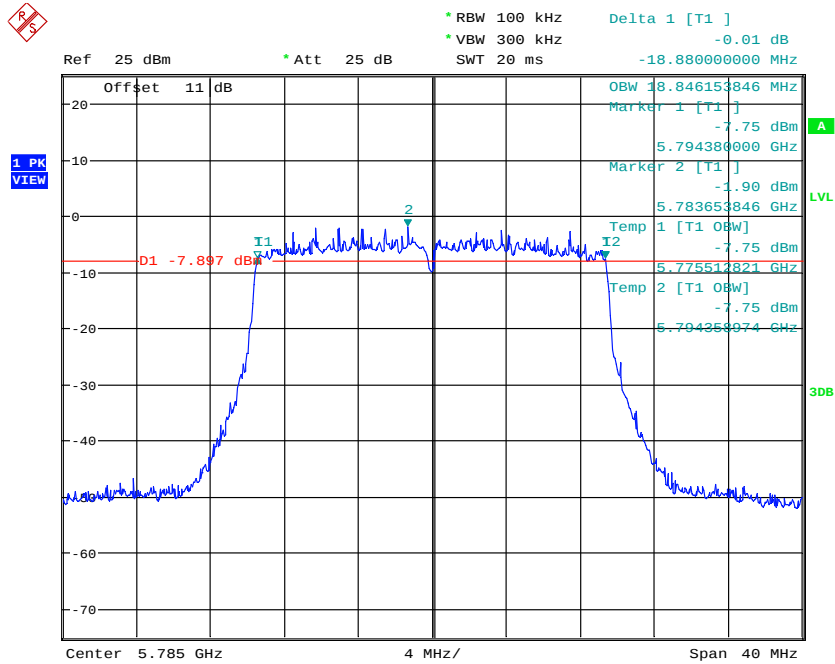
99% OBW & 6DB BANDWIDTH ANT2_11a_CH165
Date: 4.OCT.2024 15:47:11



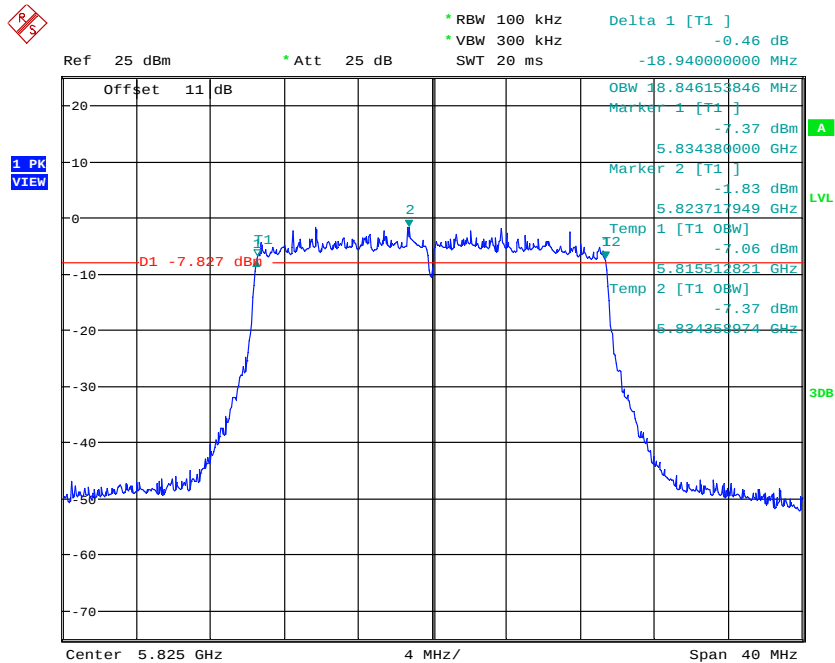
99% OBW& 6dB Bandwidth ANT_2_ax20_CH149
Date: 6.OCT.2024 10:30:44



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



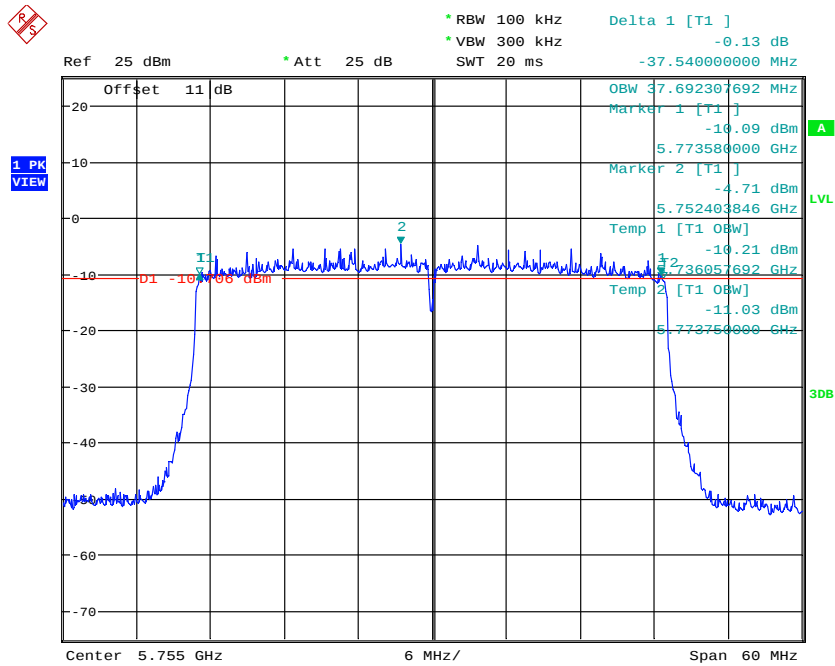
99% OBW& 6dB Bandwidth ANT_2_ax20_CH157
Date: 6.OCT.2024 10:32:29



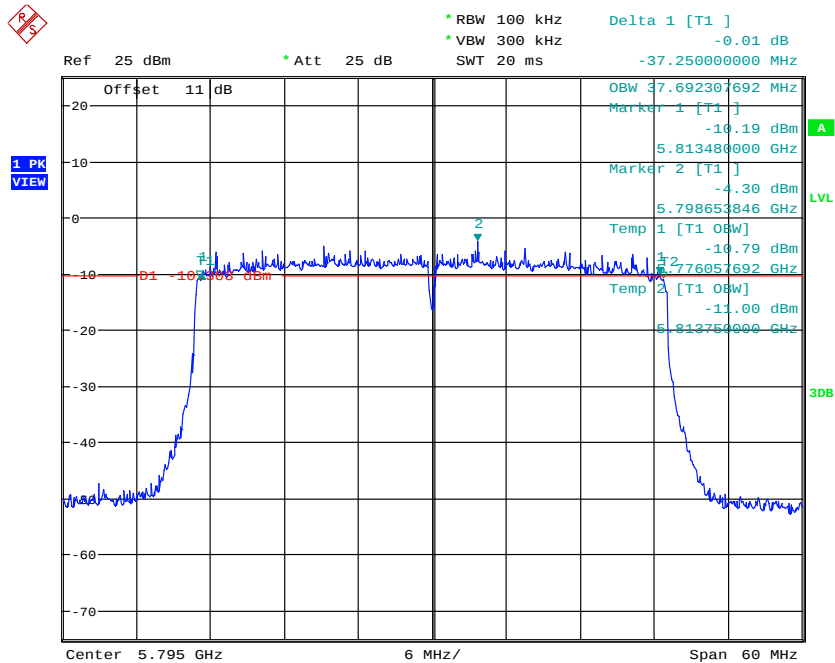
99% OBW& 6dB Bandwidth ANT_2_ax20_CH165
Date: 6.OCT.2024 10:34:11



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



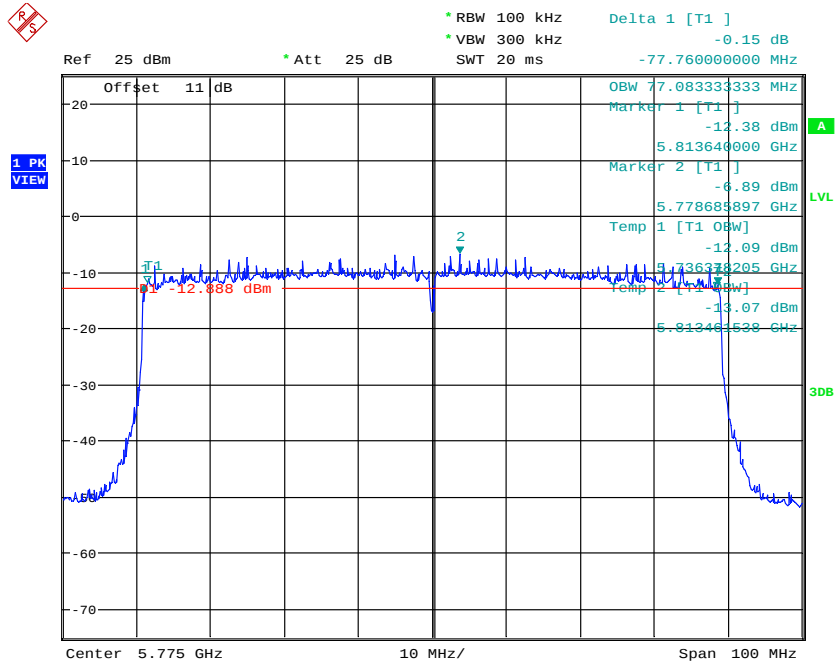
99% OBW& 6dB Bandwidth ANT_2_ax40_CH151
Date: 6.OCT.2024 10:24:17



99% OBW& 6dB Bandwidth ANT_2_ax40_CH159
Date: 6.OCT.2024 10:25:59



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW& 6dB Bandwidth ANT_2_ax80_CH155
Date: 6.OCT.2024 10:22:13



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

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.

Original

Test date: October 04, 2024

Temperature: 24.0 °C

Humidity: 56.3 %

Tester: Sora

Band	Mode	Channel	Conducted power with DF (dBm/MHz)		Combine (dBm)	DF (dB)	Limit (dBm/MHz)
			Antenna 1	Antenna 2			
NII-1	802.11a	Ch 36 : 5180 MHz	0.93	-3.11	-	0.02	13.90
		Ch 44 : 5220 MHz	1.45	-3.54	-	0.02	13.90
		Ch 48 : 5240 MHz	1.49	-3.84	-	0.02	13.90
	802.11ax 20MHz	Ch 36 : 5180 MHz	0.29	-3.66	1.76	0.00	13.90
		Ch 44 : 5220 MHz	0.78	-4.14	1.99	0.00	13.90
		Ch 48 : 5240 MHz	0.29	-4.44	1.55	0.00	13.90
	802.11ax 40MHz	Ch 38 : 5190 MHz	-2.49	-6.76	-1.11	0.00	13.90
		Ch 46 : 5230 MHz	-2.33	-7.28	-1.12	0.00	13.90
	802.11ax 80MHz	Ch 42 : 5210 MHz	-5.21	-9.90	-3.94	0.00	13.90
NII-2A	802.11a	Ch 52 : 5260 MHz	1.62	-3.94	-	0.02	8.72
		Ch 60 : 5300 MHz	1.58	-4.45	-	0.02	8.72
		Ch 64 : 5320 MHz	1.54	-4.08	-	0.02	8.72
	802.11ax 20MHz	Ch 52 : 5260 MHz	0.97	-4.52	2.05	0.00	8.72
		Ch 60 : 5300 MHz	0.97	-5.15	1.92	0.00	8.72
		Ch 64 : 5320 MHz	0.94	-4.82	1.96	0.00	8.72
	802.11ax 40MHz	Ch 54 : 5270 MHz	-1.95	-7.69	-0.92	0.00	8.72
		Ch 62 : 5310 MHz	-1.88	-7.55	-0.84	0.00	8.72
	802.11ax 80MHz	Ch 58 : 5290 MHz	-5.07	-10.68	-4.02	0.00	8.72
NII-2C	802.11a	Ch 100 : 5500 MHz	0.11	-4.01	-	0.02	8.07
		Ch 120 : 5600 MHz	-0.58	-2.96	-	0.02	8.07
		Ch 140 : 5700 MHz	-1.04	-2.26	-	0.02	8.07



Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: 2AG3J-WRPT50001

	802.11ax 20MHz	Ch 100 : 5500 MHz	-0.44	-4.68	0.95	0.00	8.07
		Ch 120 : 5600 MHz	-0.90	-3.66	0.95	0.00	8.07
		Ch 140 : 5700 MHz	-1.47	-2.98	0.85	0.00	8.07
	802.11ax 40MHz	Ch 102 : 5510 MHz	-3.44	-7.58	-2.02	0.00	8.07
		Ch 118 : 5590 MHz	-3.92	-6.53	-2.02	0.00	8.07
		Ch 134 : 5670 MHz	-4.27	-6.18	-2.11	0.00	8.07
	802.11ax 80MHz	Ch 106 : 5530 MHz	-6.69	-10.38	-5.14	0.00	8.07
		Ch 122 : 5610 MHz	-7.26	-9.60	-5.26	0.00	8.07
NII-3	802.11a	Ch 149 : 5745 MHz	-4.43	-4.34	-	0.02	27.07
		Ch 157 : 5785 MHz	-4.50	-3.74	-	0.02	27.07
		Ch 165 : 5825 MHz	-4.63	-3.36	-	0.02	27.07
	802.11ax 20MHz	Ch 149 : 5745 MHz	-4.95	-5.03	-1.98	0.00	27.07
		Ch 157 : 5785 MHz	-5.06	-4.53	-1.78	0.00	27.07
		Ch 165 : 5825 MHz	-5.26	-4.22	-1.70	0.00	27.07
	802.11ax 40MHz	Ch 151 : 5755 MHz	-7.96	-7.76	-4.85	0.00	27.07
		Ch 159 : 5795 MHz	-8.23	-7.33	-4.75	0.00	27.07
	802.11ax 80MHz	Ch 155: 5775 MHz	-11.30	-10.65	-7.95	0.00	27.07

Note : NII-3 Limit is dBm/500kHz

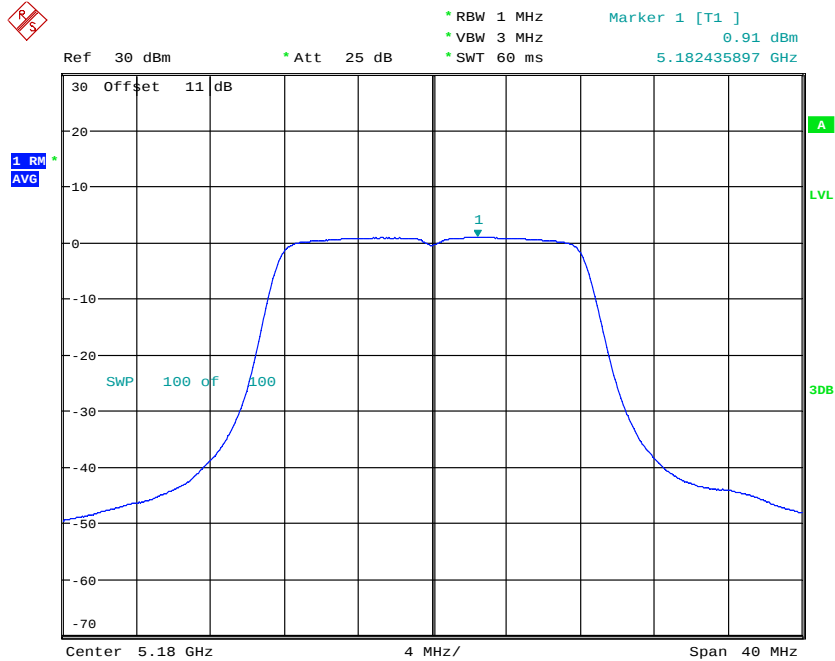


Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

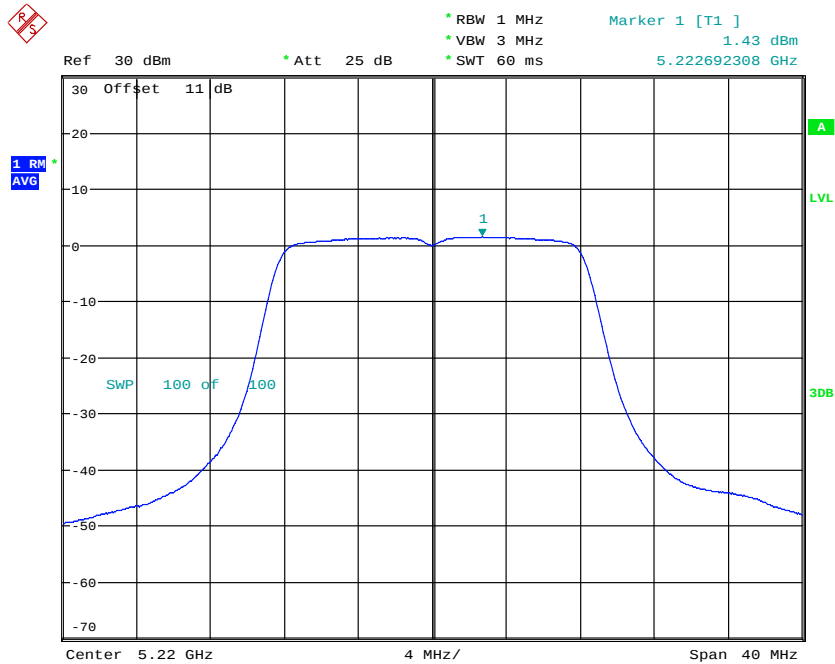
ANT 1

5.15 GHz ~ 5.25 GHz



POWER DENSITY AV ANT111aCH36

Date: 4.OCT.2024 15:21:02

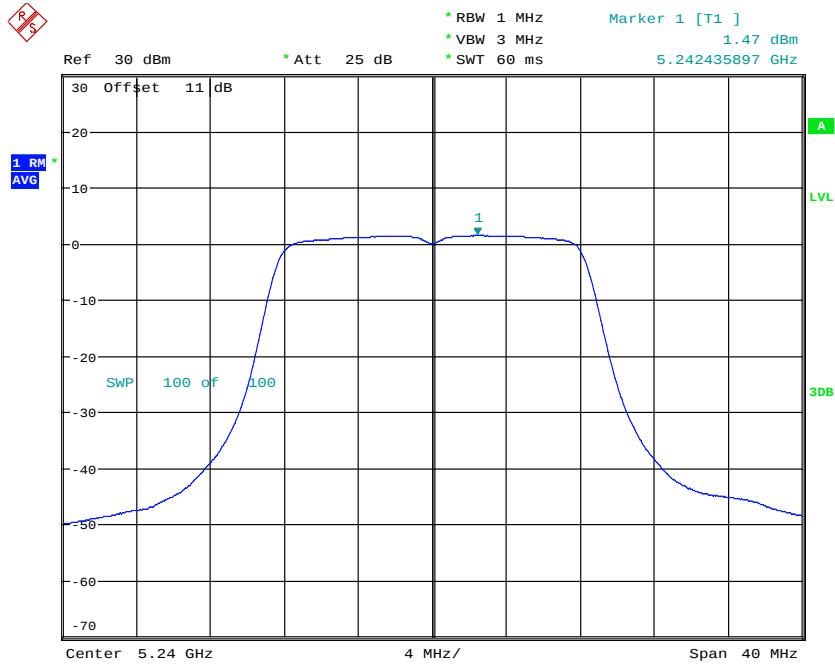


POWER DENSITY AV ANT111aCH44

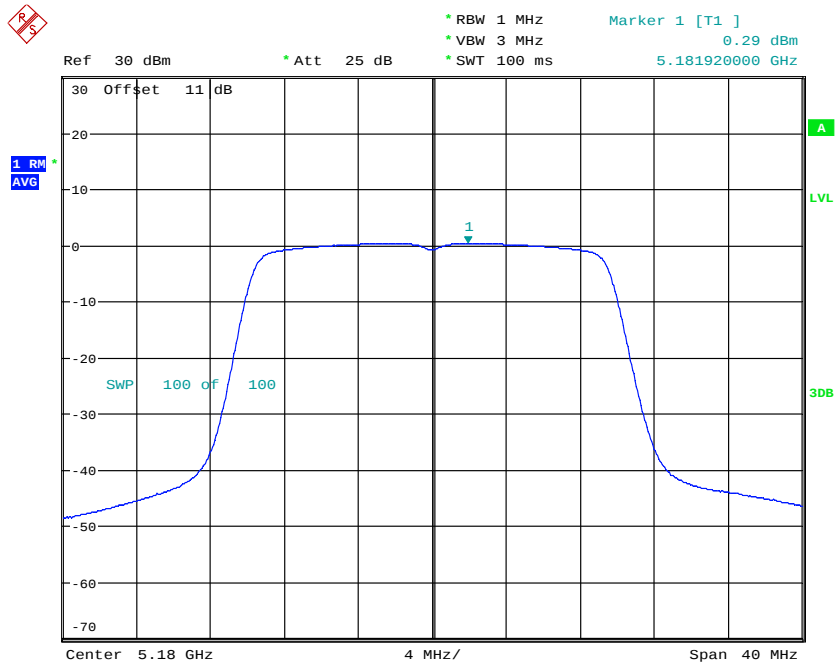
Date: 4.OCT.2024 15:22:07



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



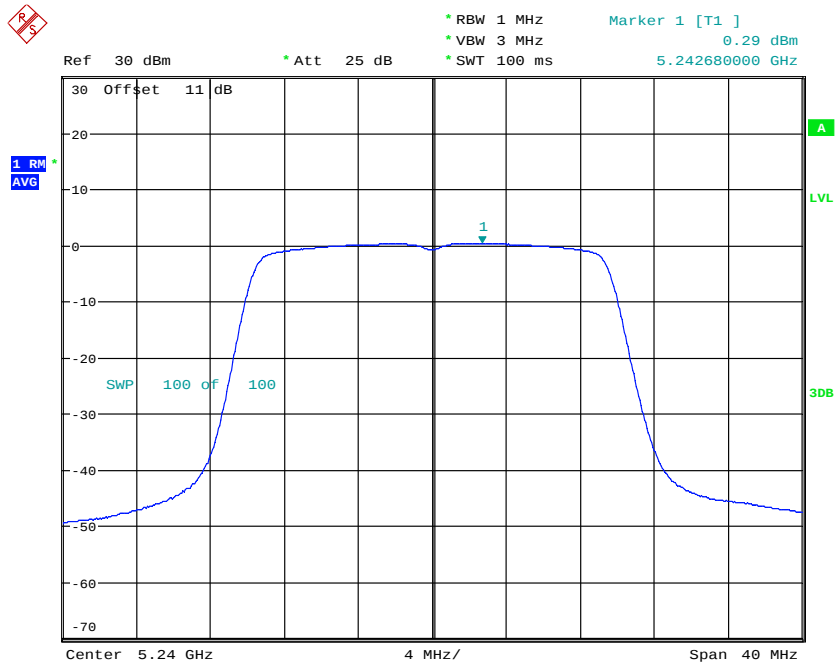
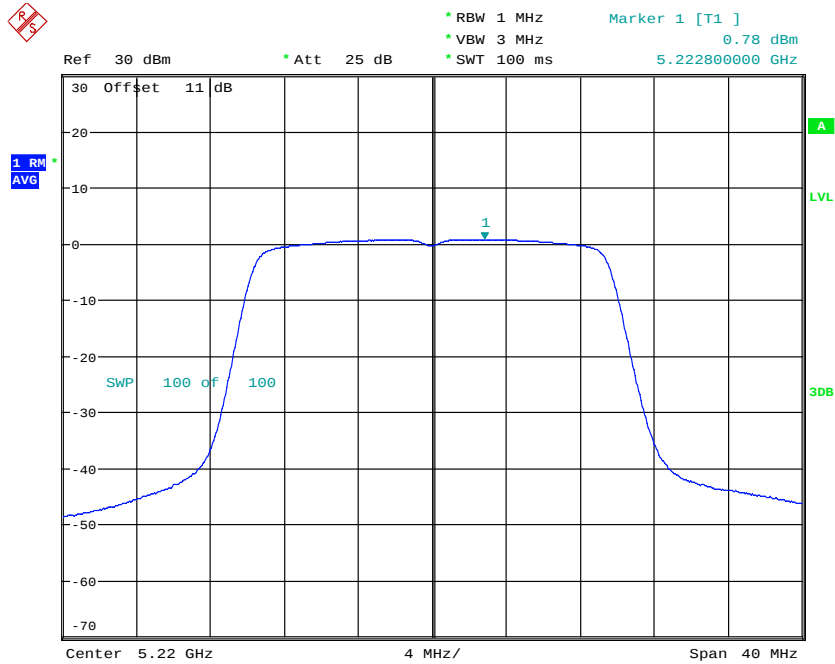
POWER DENSITY AV ANT111aCH48
Date: 4.OCT.2024 15:23:18



POWER DENSITY ANT_1_ax20_CH36
Date: 4.OCT.2024 17:29:08

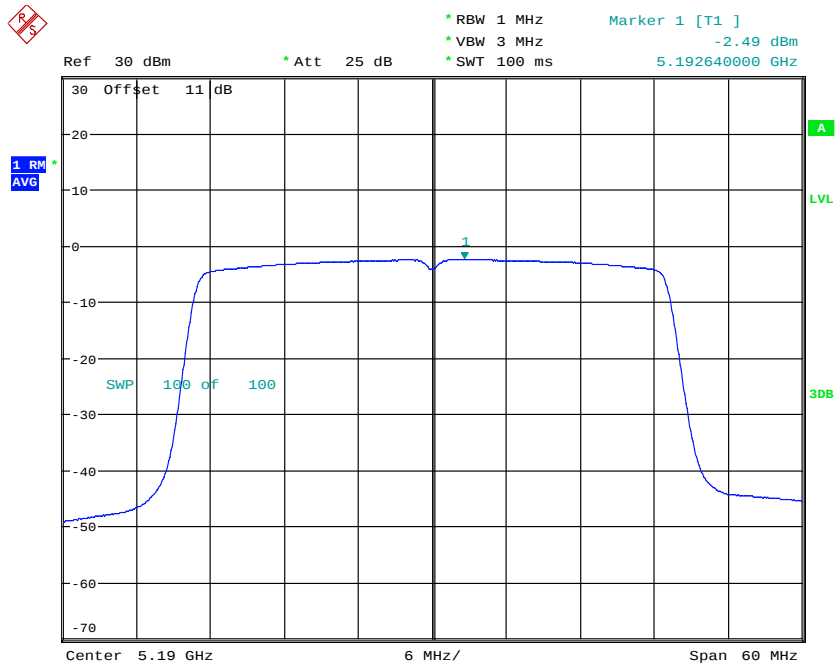


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

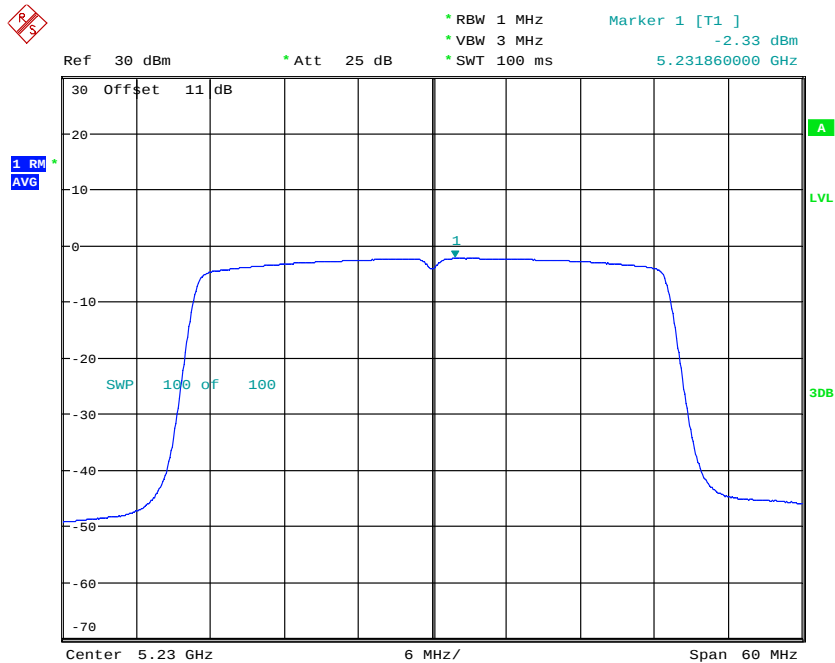




Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



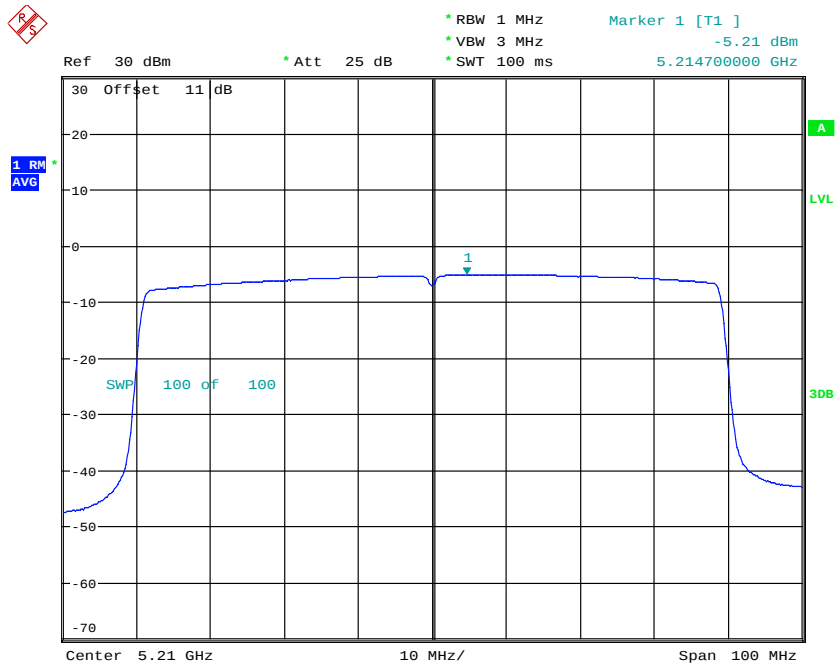
POWER DENSITY ANT_1_ax40_CH38
Date: 4.OCT.2024 19:16:26



POWER DENSITY ANT_1_ax40_CH46
Date: 4.OCT.2024 19:18:34

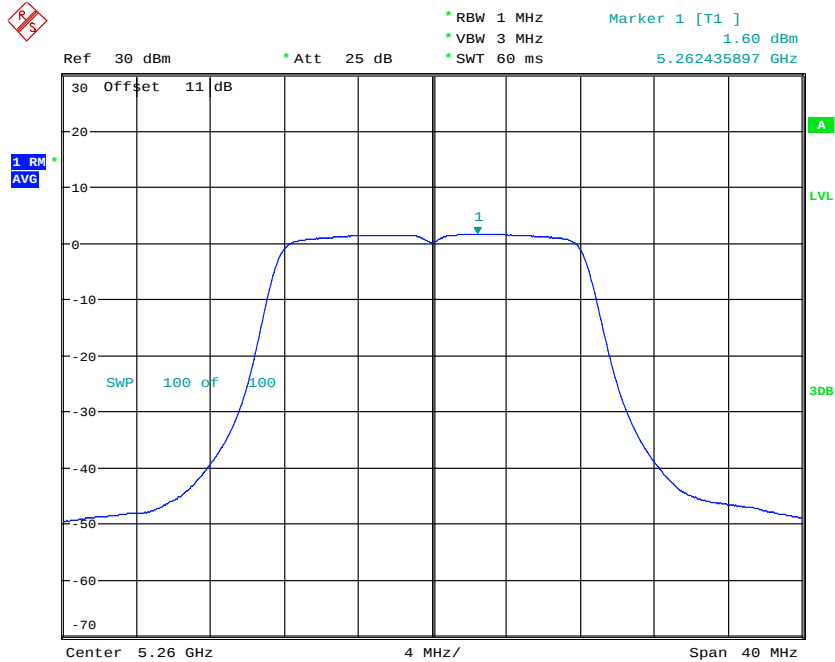


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_1_ax80_CH42
Date: 4.OCT.2024 19:42:32

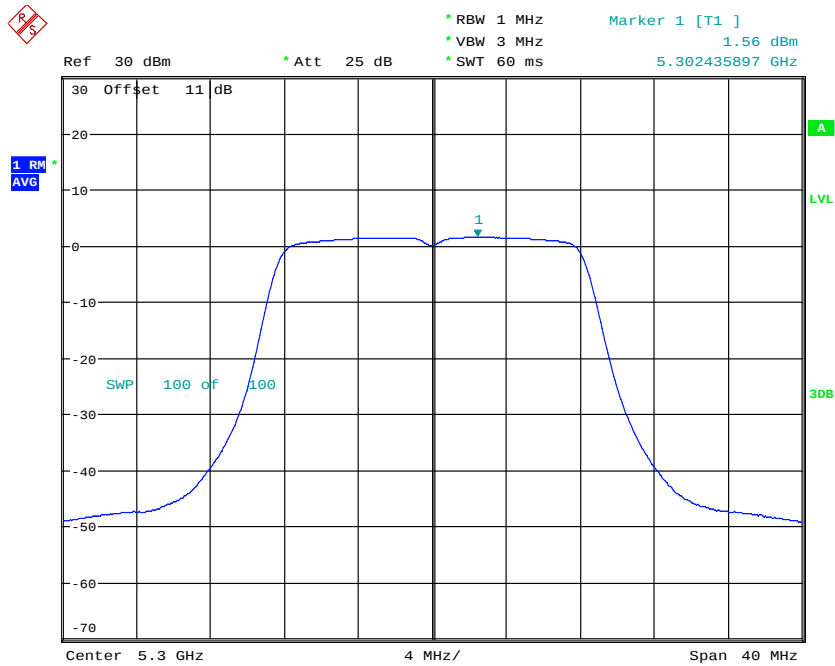
5.25 GHz ~ 5.35 GHz



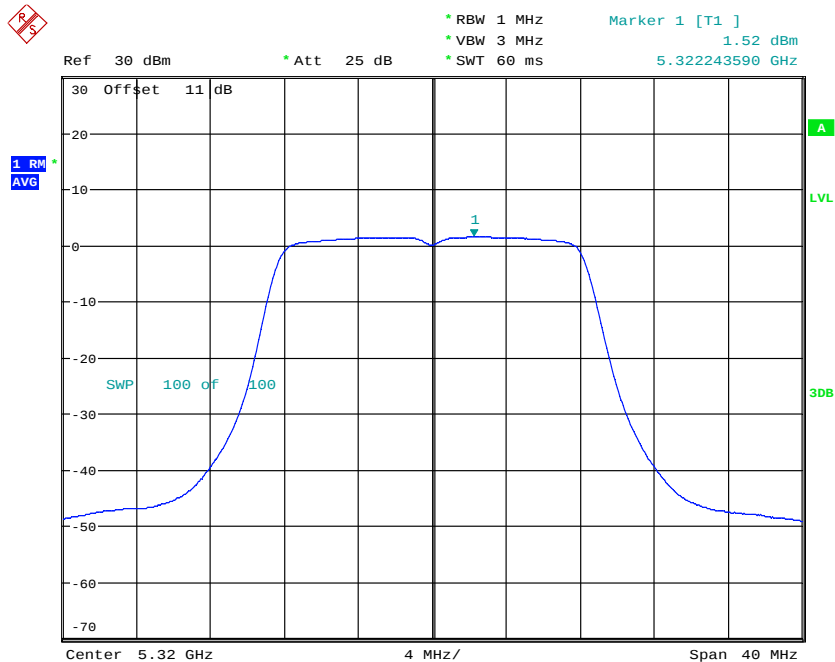
POWER DENSITY AV ANT111aCH52
Date: 4.OCT.2024 15:28:50



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



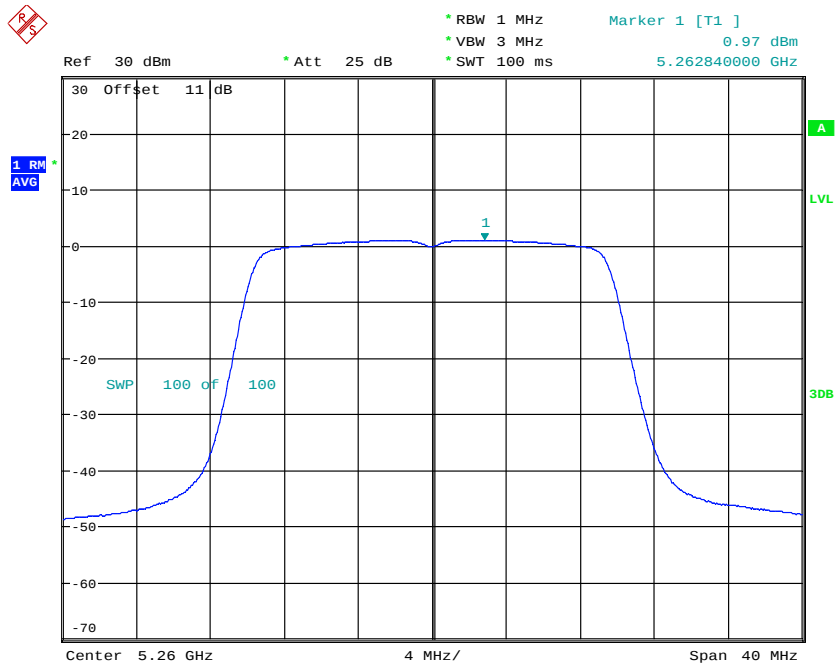
POWER DENSITY AV ANT111aCH60
Date: 4.OCT.2024 15:29:55



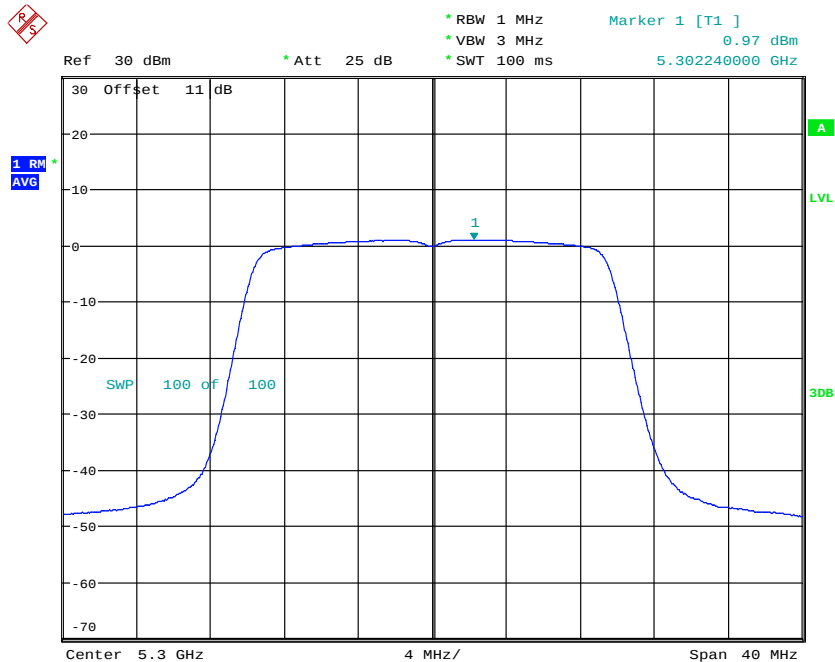
POWER DENSITY AV ANT111aCH64
Date: 4.OCT.2024 15:31:13



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



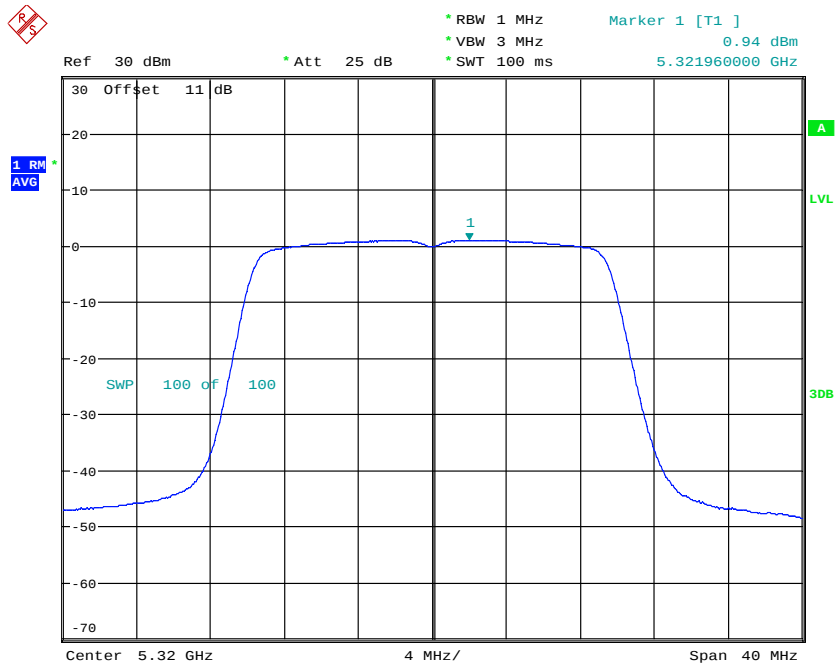
POWER DENSITY ANT_1_ax20_CH52
Date: 4.OCT.2024 17:41:55



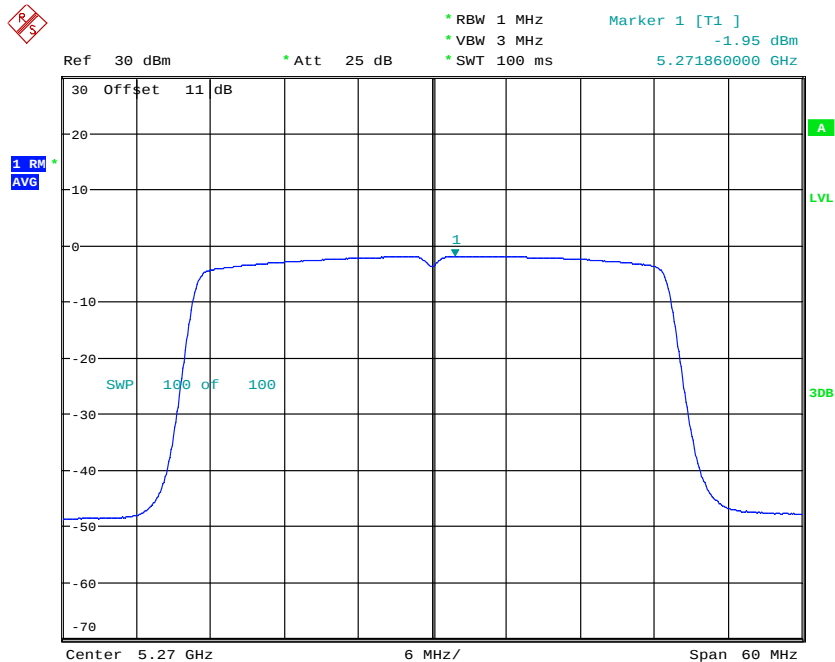
POWER DENSITY ANT_1_ax20_CH60
Date: 4.OCT.2024 17:43:56



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



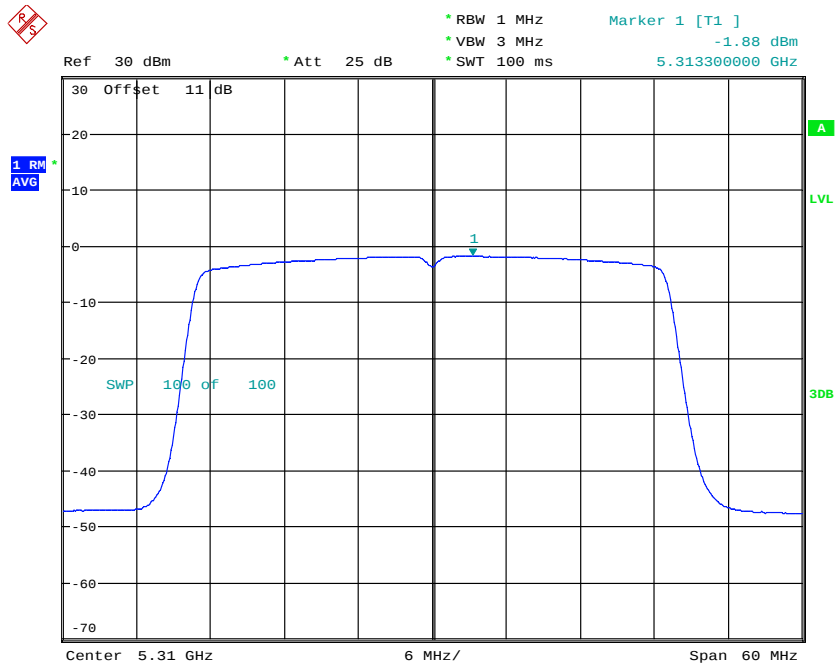
POWER DENSITY ANT_1_ax20_CH64
Date: 4.OCT.2024 17:45:48



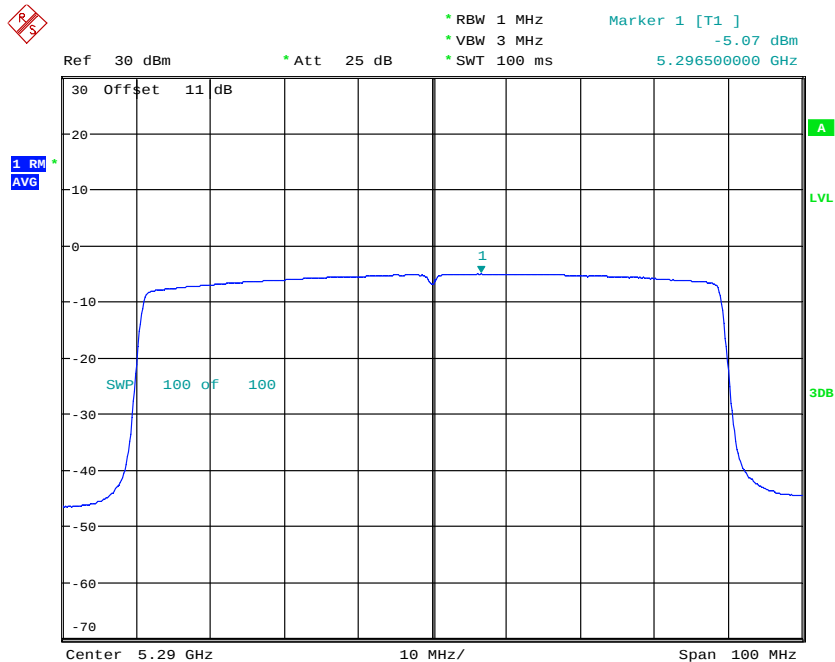
POWER DENSITY ANT_1_ax40_CH54
Date: 4.OCT.2024 19:21:35



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_1_ax40_CH62
Date: 4.OCT.2024 19:23:49



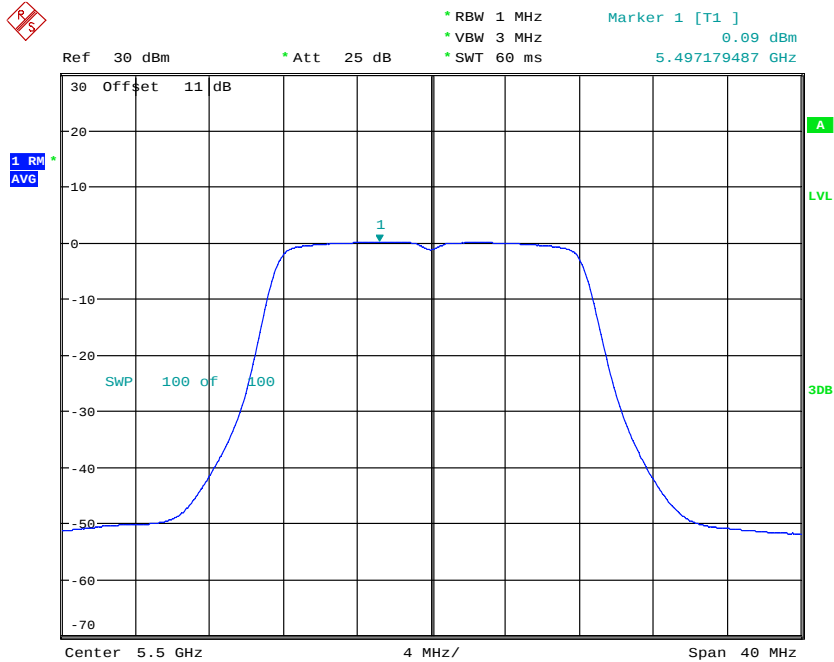
POWER DENSITY ANT_1_ax80_CH58
Date: 4.OCT.2024 19:45:28



Registration number: W6M22405-23479-C-55

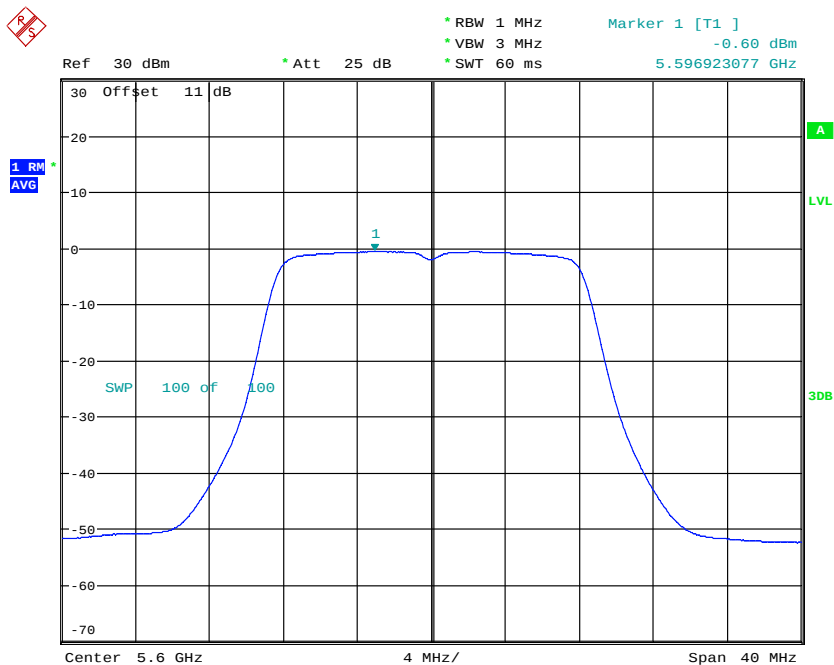
FCC ID: 2AG3J-WRPT50001

5.47 GHz ~ 5.725 GHz



POWER DENSITY AV ANT111aCH100

Date: 4.OCT.2024 15:33:36

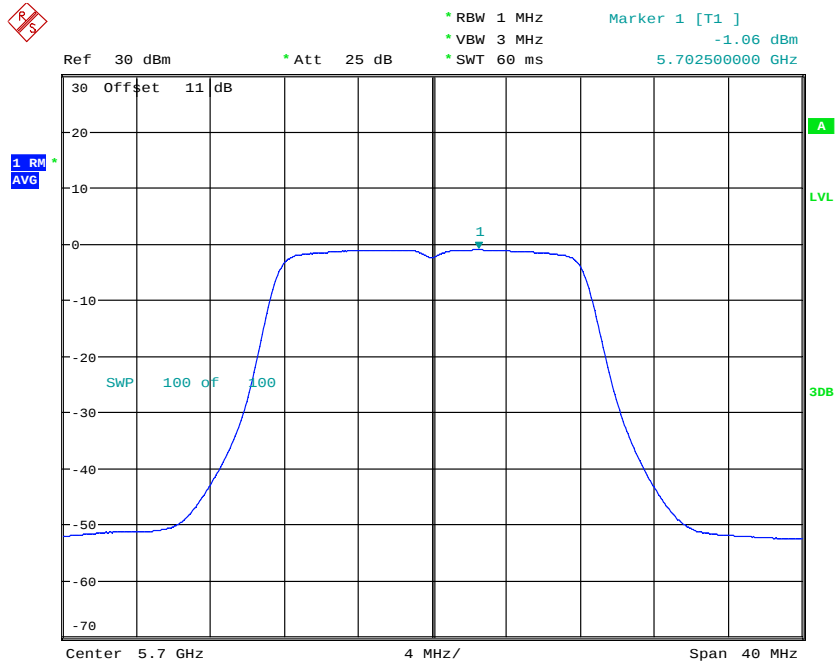


POWER DENSITY AV ANT111aCH120

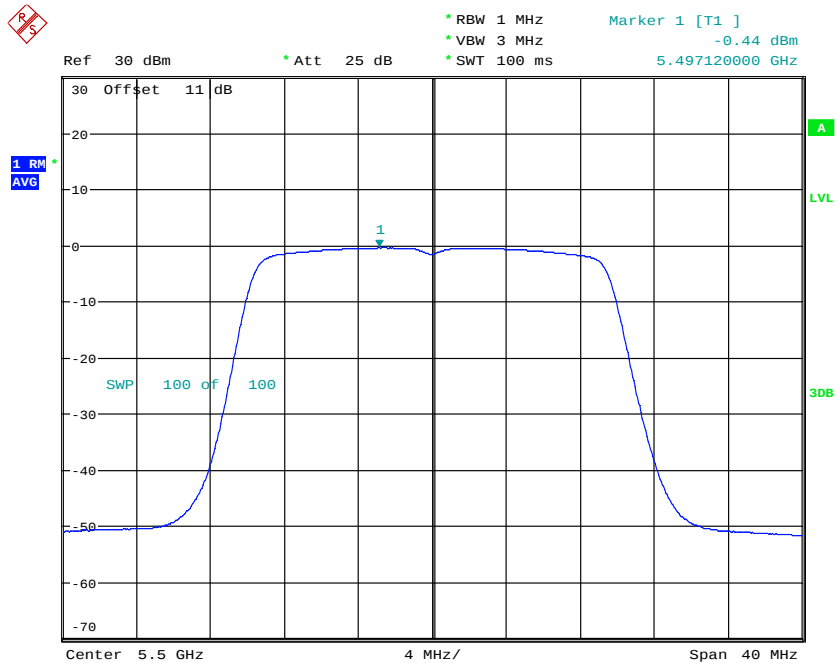
Date: 4.OCT.2024 15:34:41



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



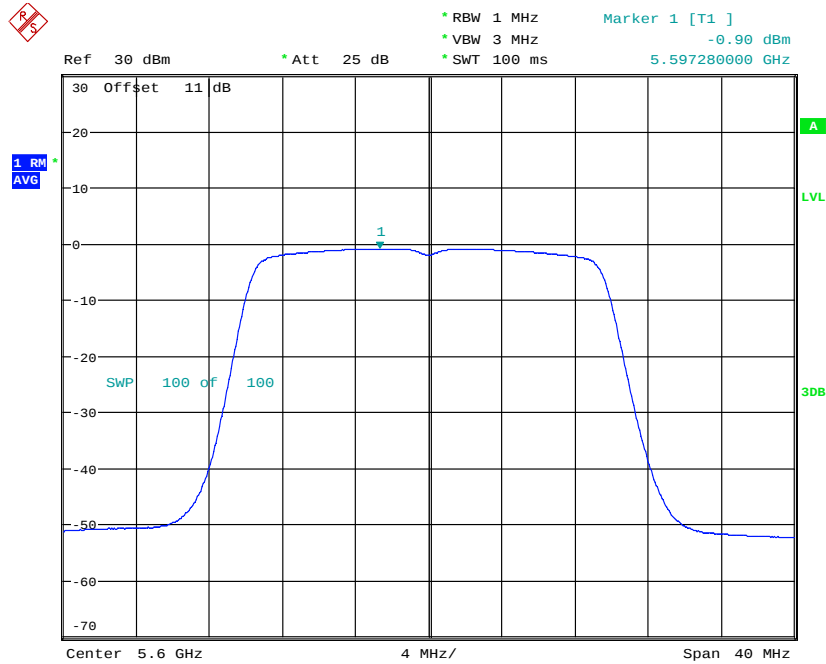
POWER DENSITY AV ANT111aCH140
Date: 4.OCT.2024 15:35:52



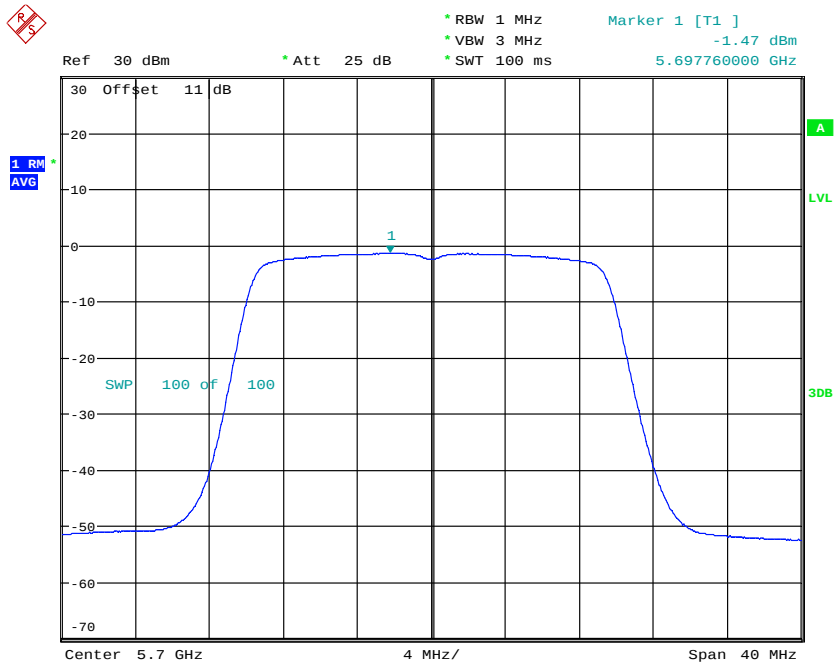
POWER DENSITY ANT_1_ax20_CH100
Date: 4.OCT.2024 17:48:35



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



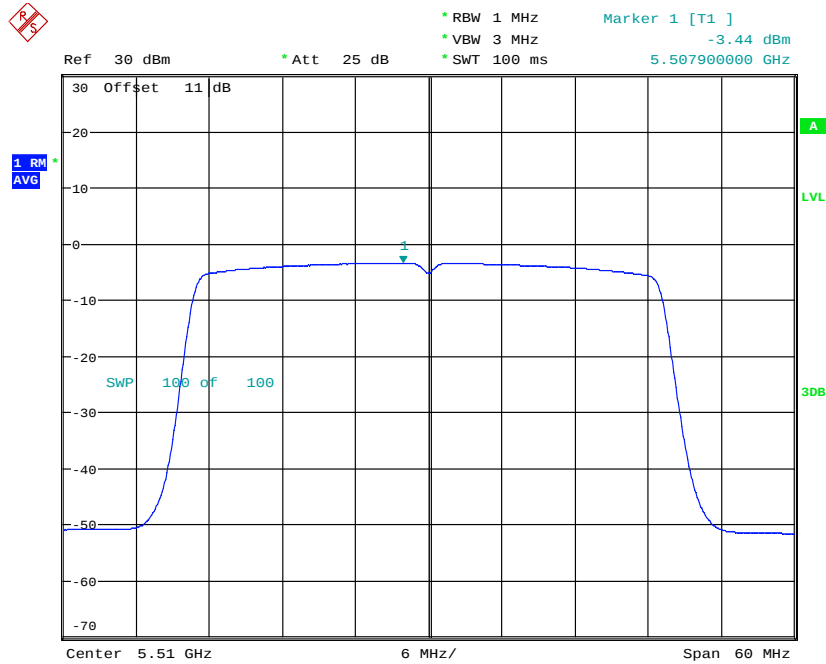
POWER DENSITY ANT_1_ax20_CH120
Date: 4.OCT.2024 19:02:21



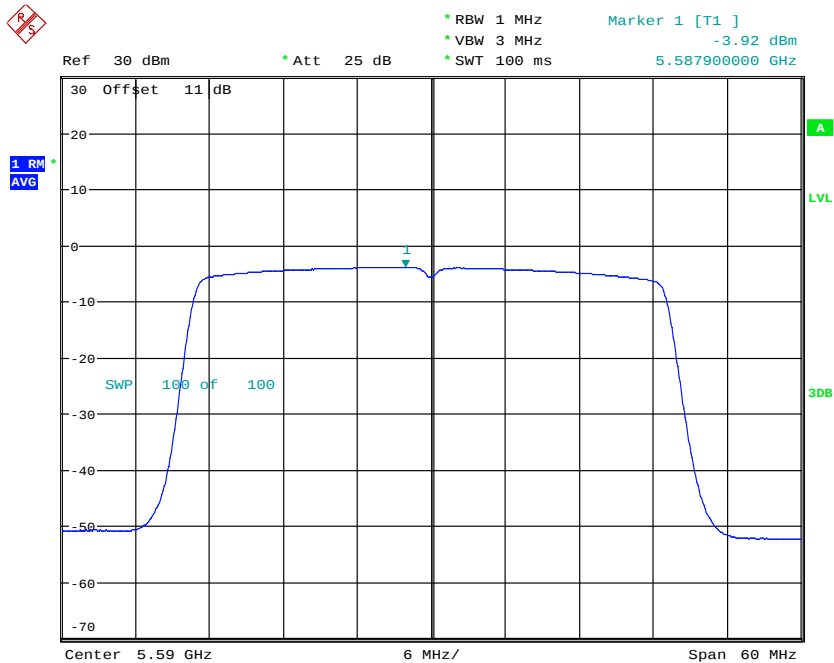
POWER DENSITY ANT_1_ax20_CH140
Date: 4.OCT.2024 19:04:36



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



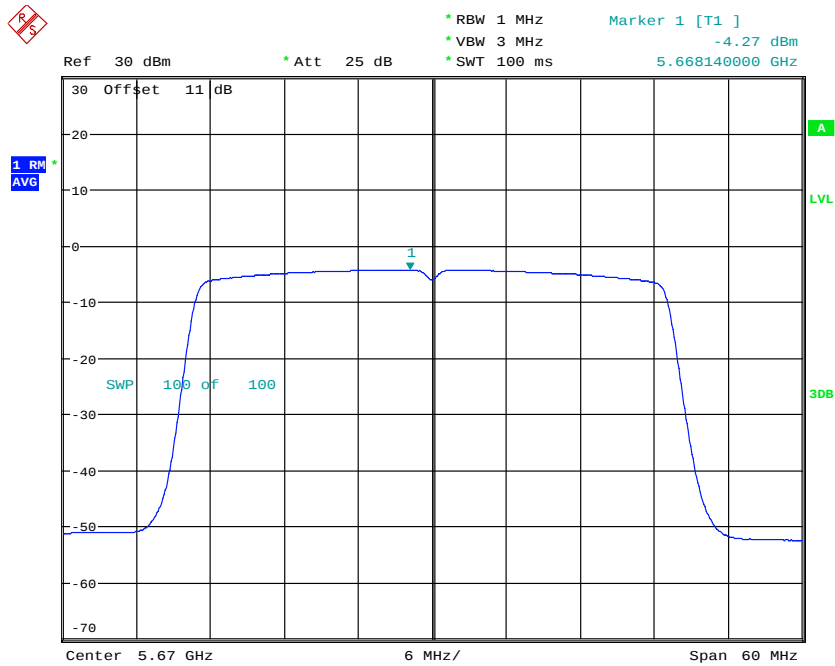
POWER DENSITY ANT_1_ax40_CH102
Date: 4.OCT.2024 19:29:45



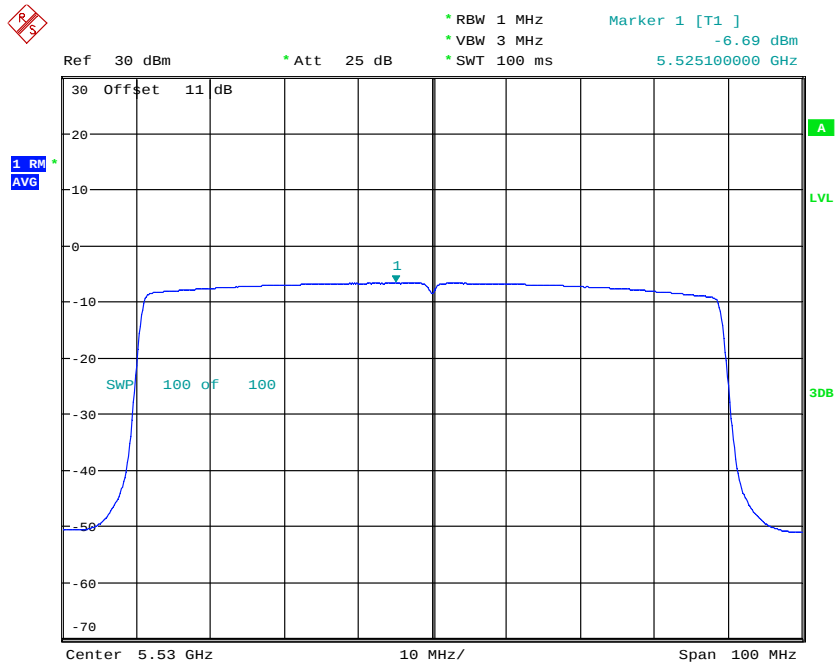
POWER DENSITY ANT_1_ax40_CH118
Date: 4.OCT.2024 19:31:48



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



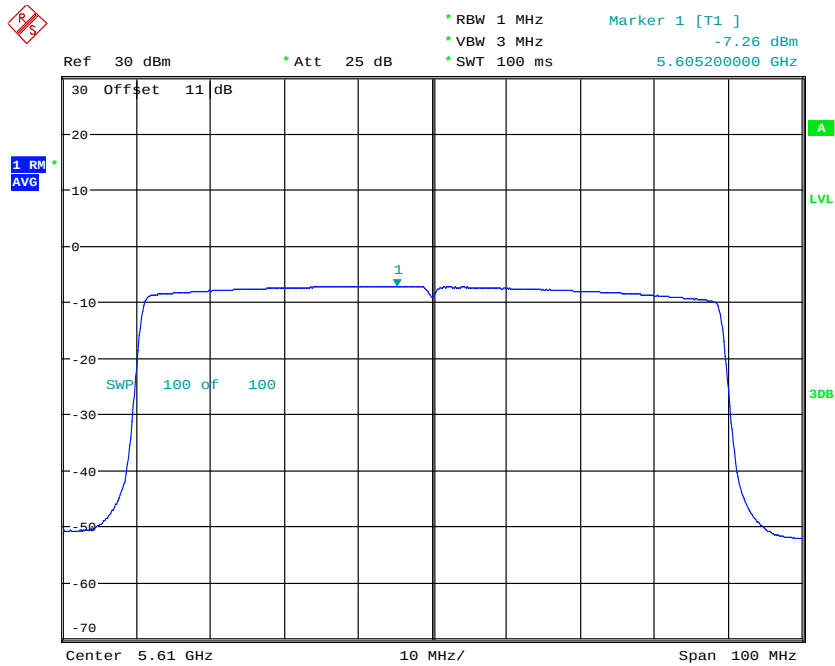
POWER DENSITY ANT_1_ax40_CH134
Date: 4.OCT.2024 19:34:32



POWER DENSITY ANT_1_ax80_CH106
Date: 4.OCT.2024 19:48:29

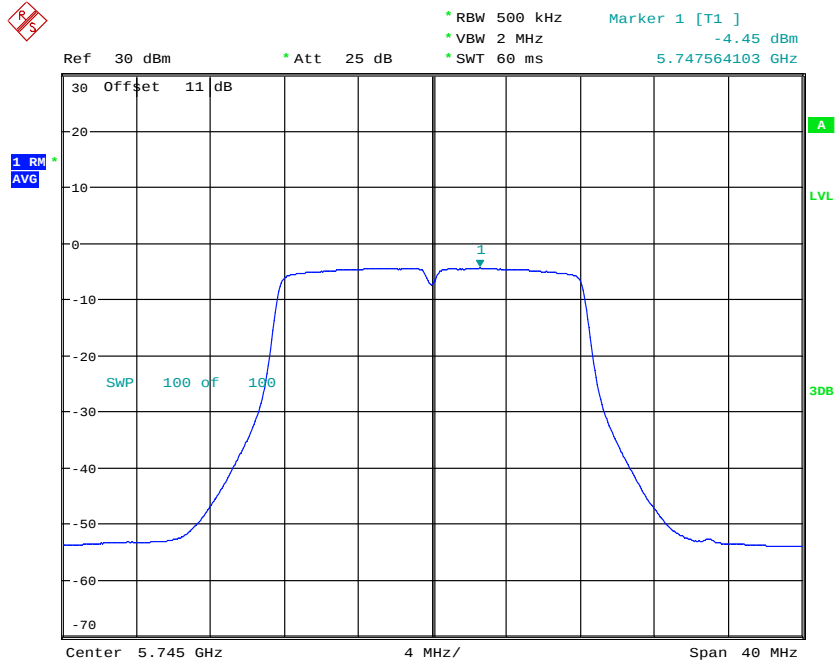


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_1_ax80_CH122
Date: 4.OCT.2024 19:51:19

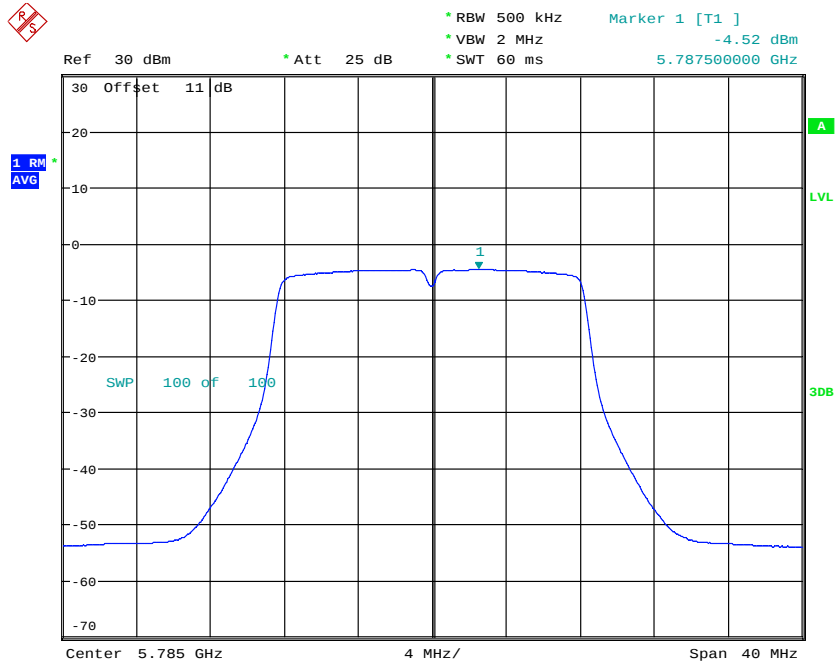
5.725 GHz ~ 5.85 GHz



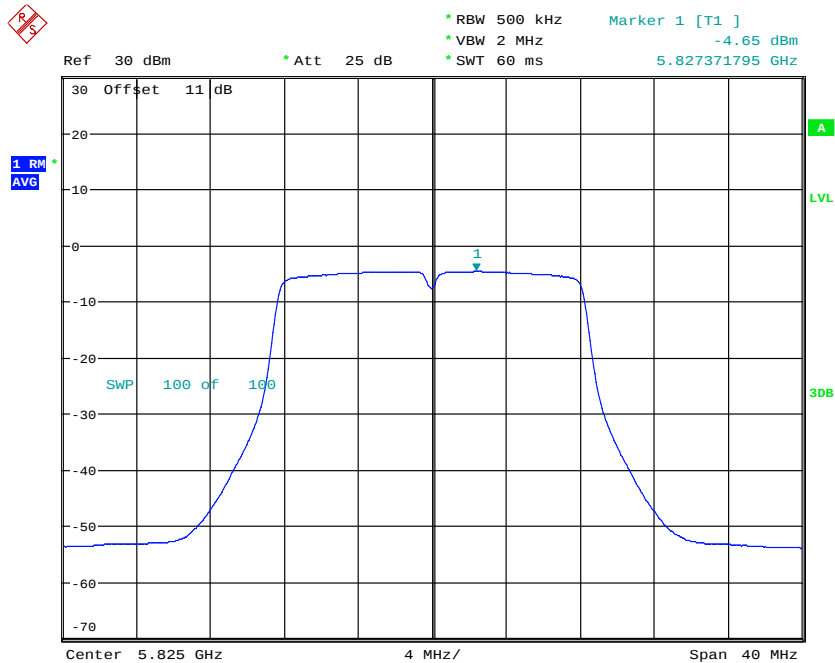
POWER DENSITY AV ANT111aCH149
Date: 4.OCT.2024 15:39:40



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



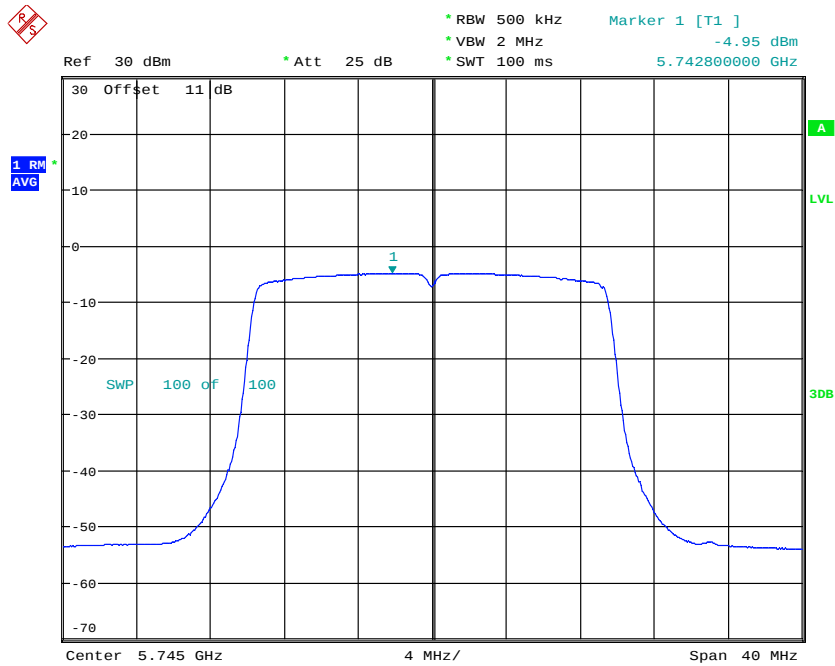
POWER DENSITY AV ANT111aCH157
Date: 4.OCT.2024 15:41:11



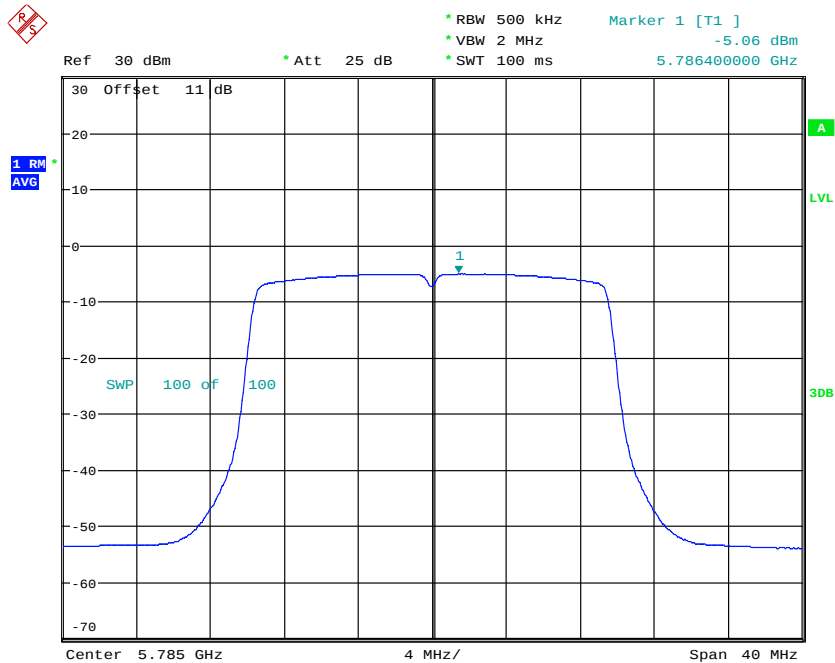
POWER DENSITY AV ANT111aCH165
Date: 4.OCT.2024 15:42:48



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



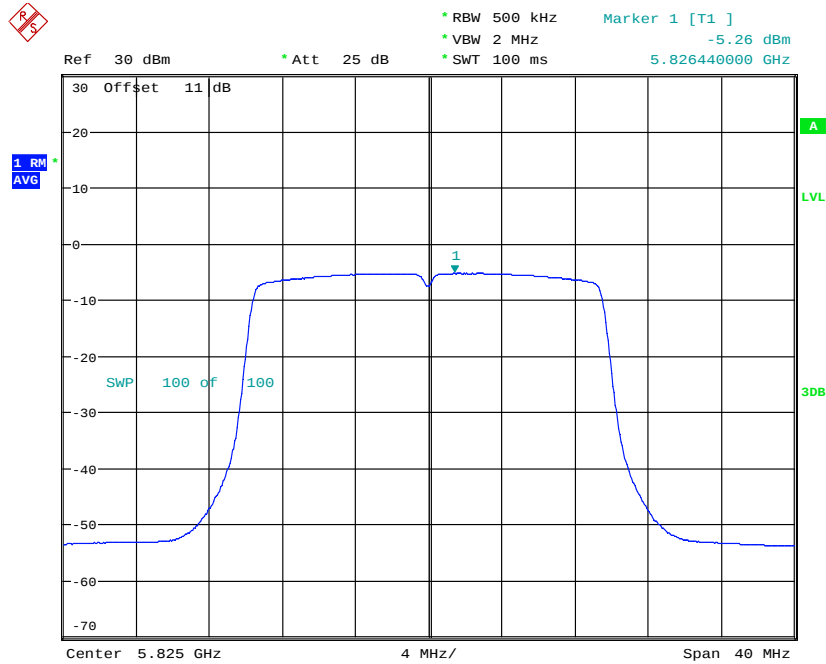
POWER DENSITY ANT_1_ax20_CH149
Date: 4.OCT.2024 19:06:41



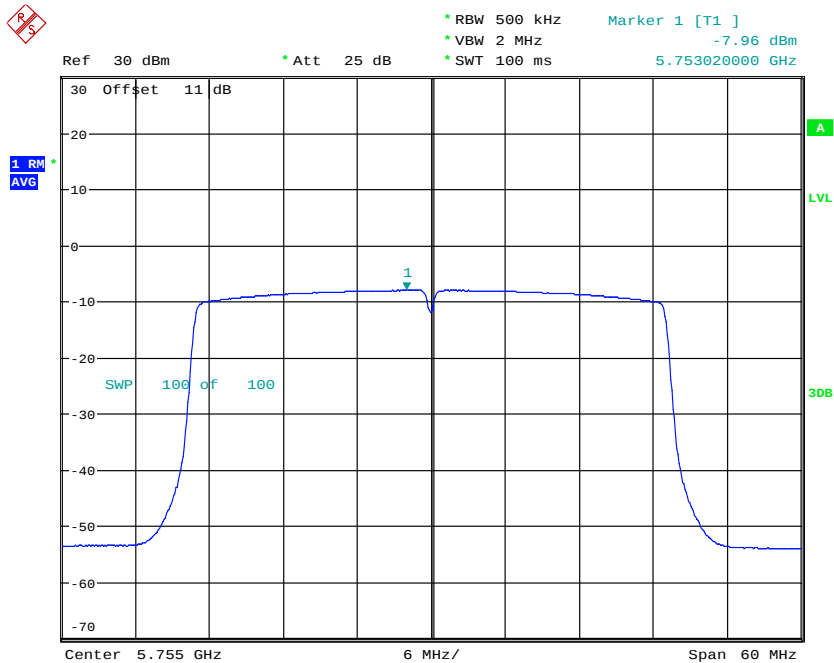
POWER DENSITY ANT_1_ax20_CH157
Date: 4.OCT.2024 19:09:14



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



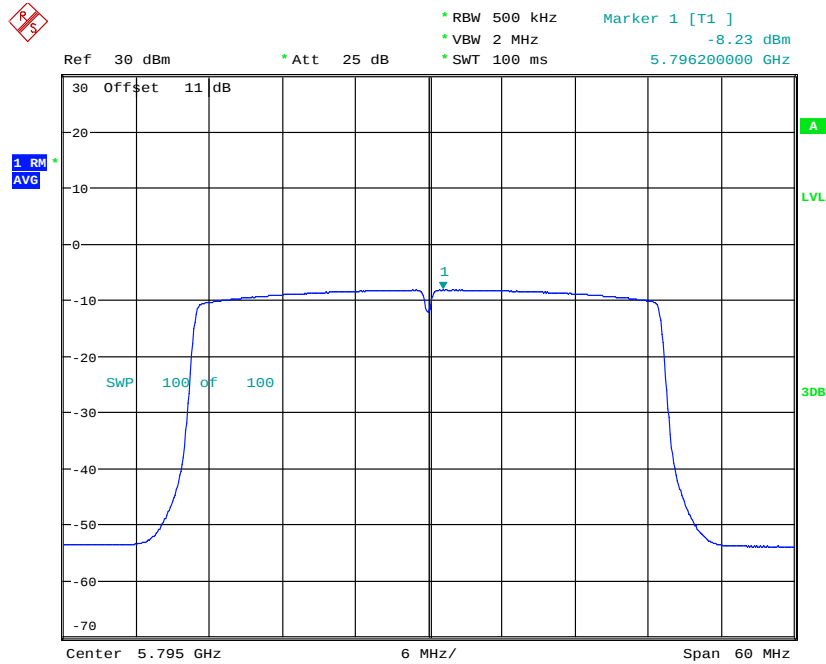
POWER DENSITY ANT_1_ax20_CH165
Date: 4.OCT.2024 19:11:08



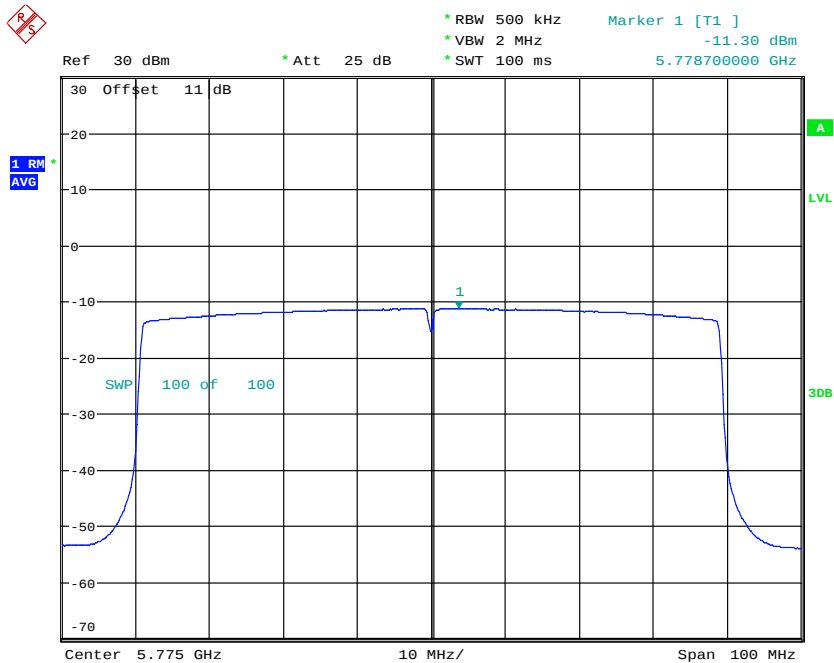
POWER DENSITY ANT_1_ax40_CH151
Date: 4.OCT.2024 19:36:47



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_1_ax40_CH159
Date: 4.OCT.2024 19:39:05

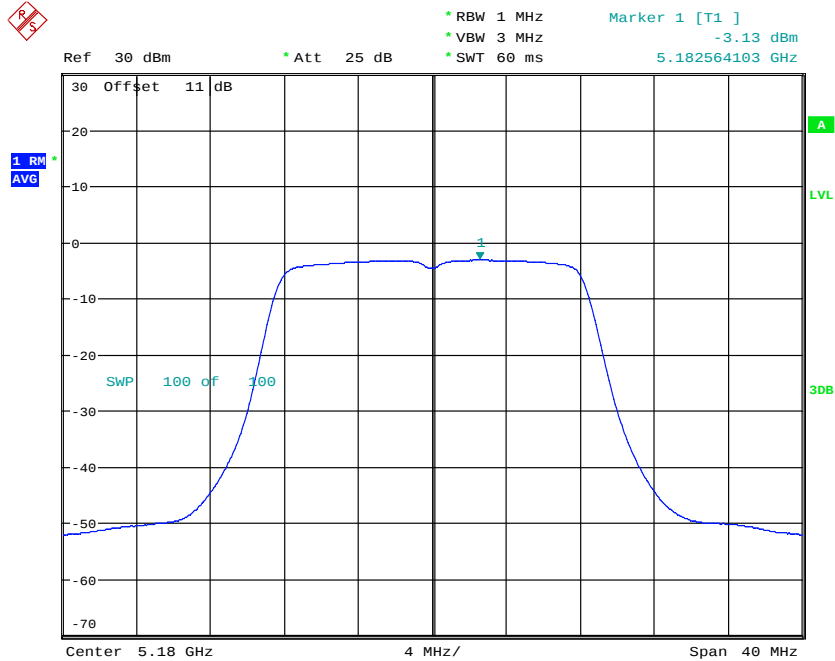


POWER DENSITY ANT_1_ax80_CH155
Date: 4.OCT.2024 19:54:11

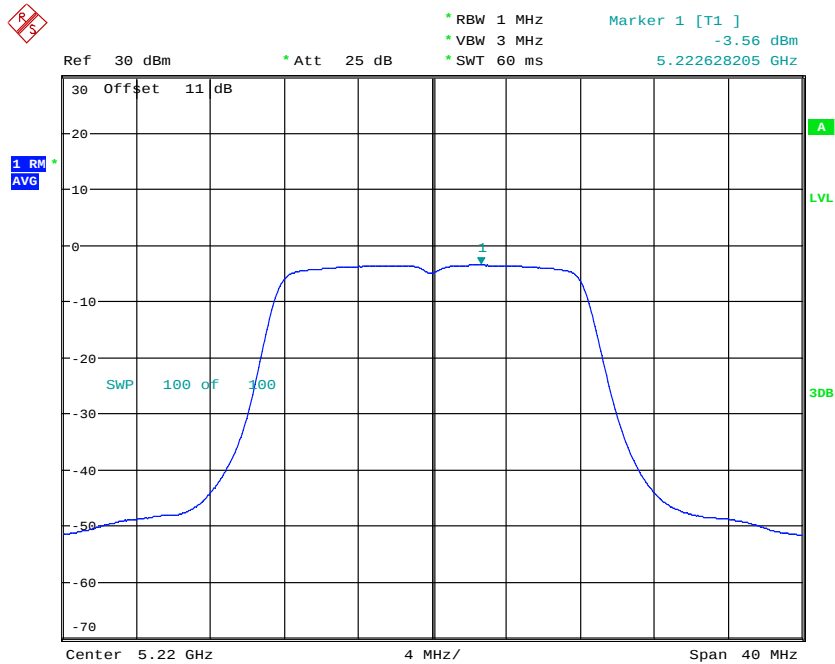


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

ANT 2
5.15 GHz ~ 5.25 GHz



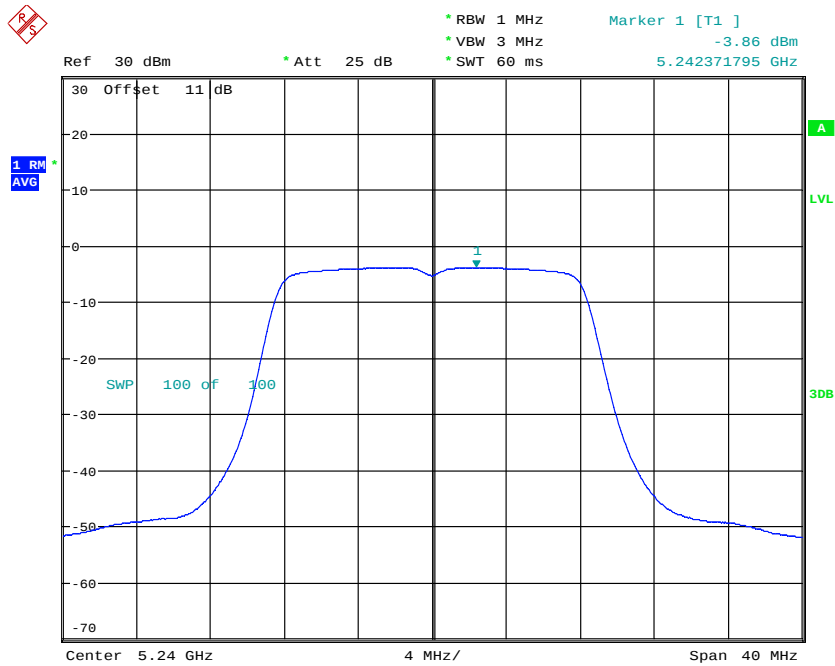
POWER DENSITY AV ANT211aCH36
Date: 4.OCT.2024 15:54:04



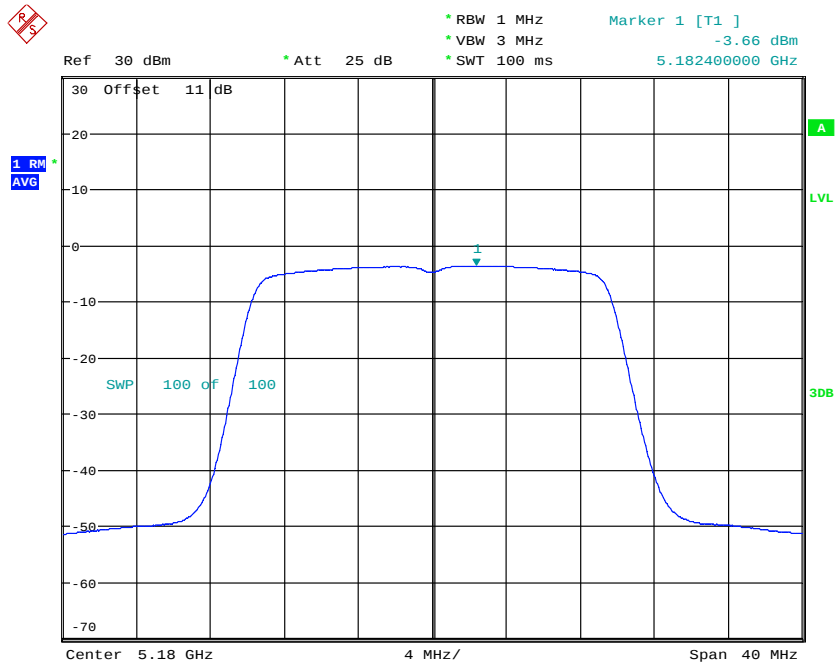
POWER DENSITY AV ANT211aCH44
Date: 4.OCT.2024 15:55:48



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



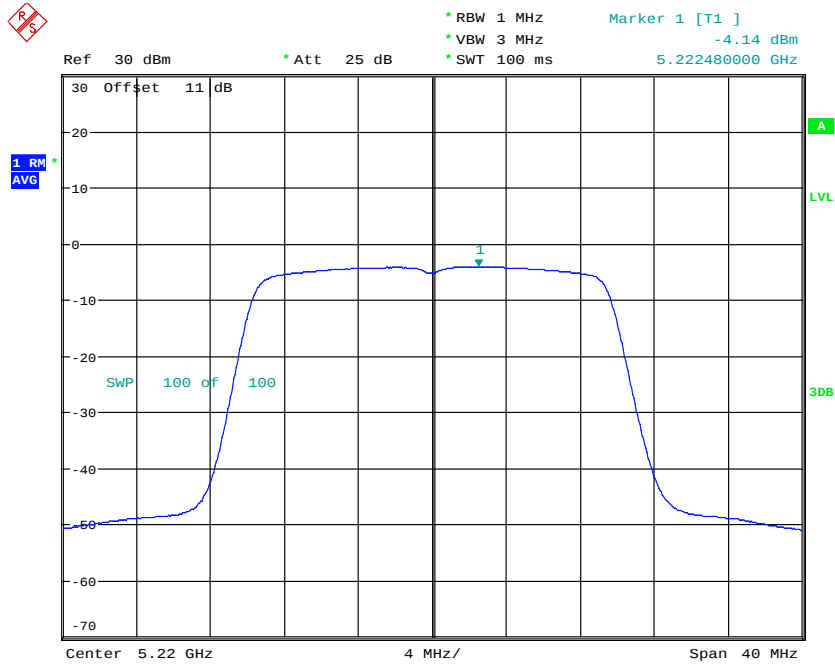
POWER DENSITY AV ANT211aCH48
Date: 4.OCT.2024 15:56:53



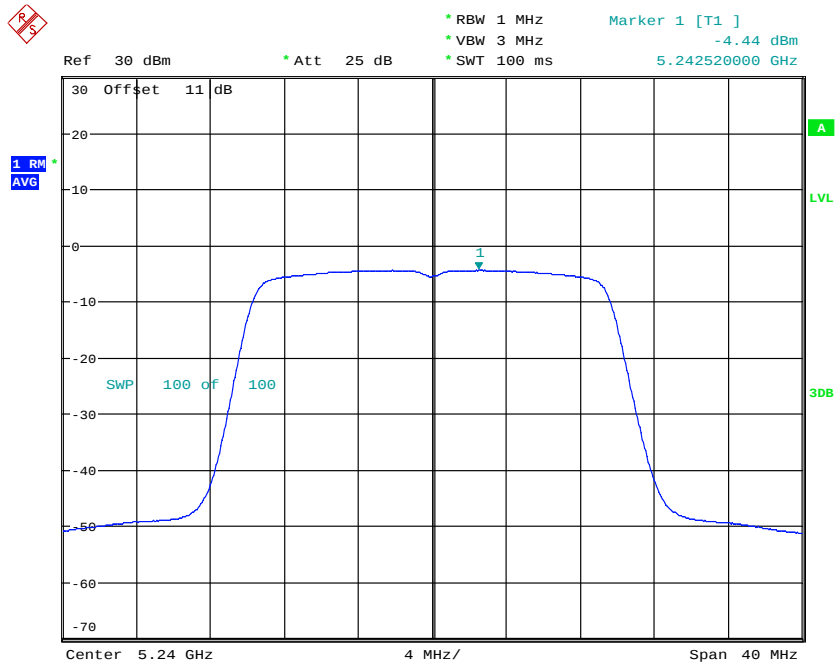
POWER DENSITY ANT_2_ax20_CH36
Date: 4.OCT.2024 17:29:48



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



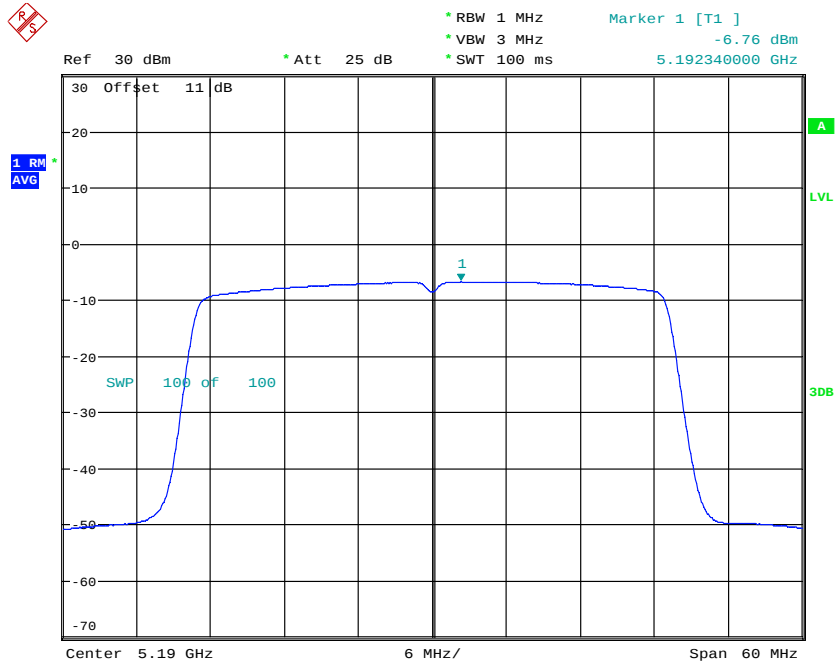
POWER DENSITY ANT_2_ax20_CH44
Date: 4.OCT.2024 17:35:29



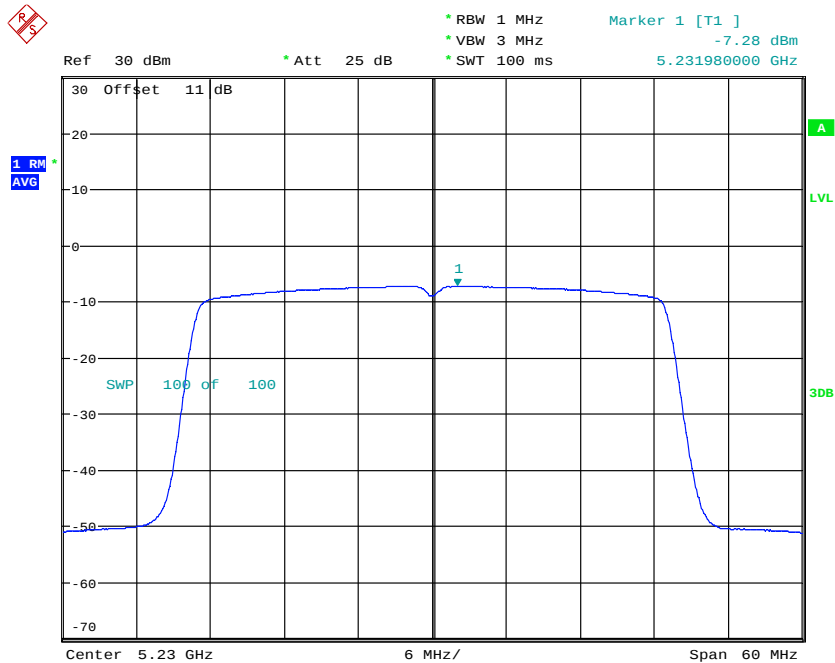
POWER DENSITY ANT_2_ax20_CH48
Date: 4.OCT.2024 17:39:50



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



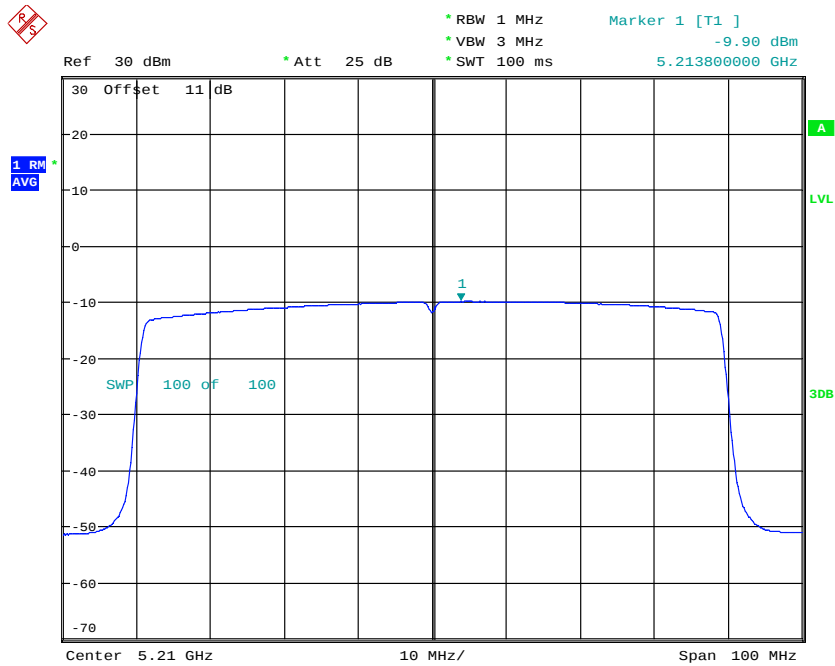
POWER DENSITY ANT_2_ax40_CH38
Date: 4.OCT.2024 19:17:04



POWER DENSITY ANT_2_ax40_CH46
Date: 4.OCT.2024 19:19:44

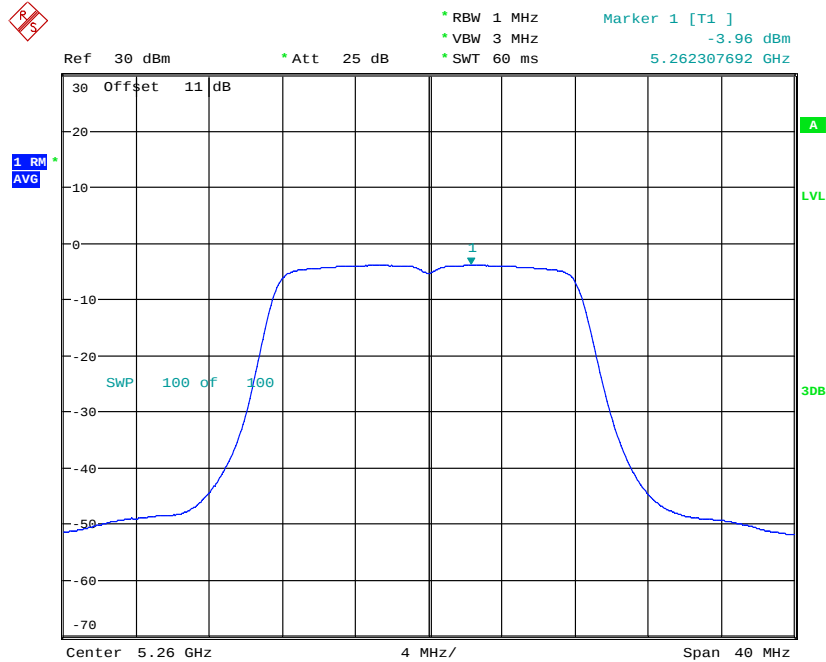


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_2_ax80_CH42
Date: 4.OCT.2024 19:43:32

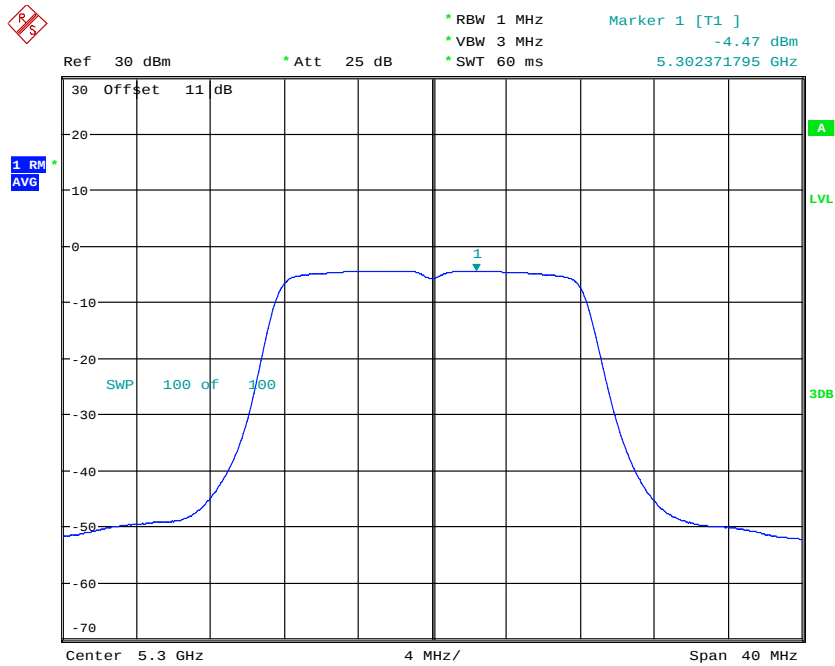
5.25 GHz ~ 5.35 GHz



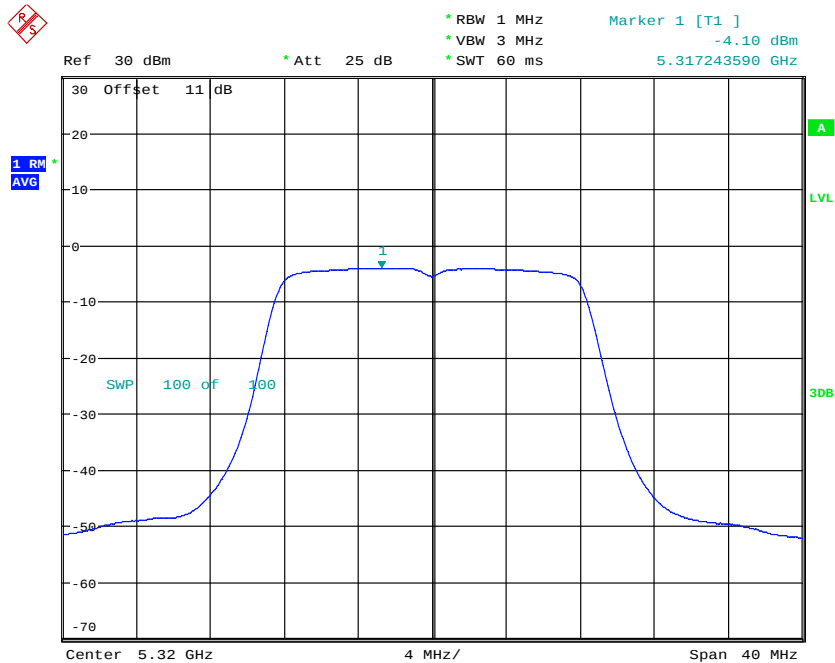
POWER DENSITY AV ANT211aCH52
Date: 4.OCT.2024 15:58:24



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



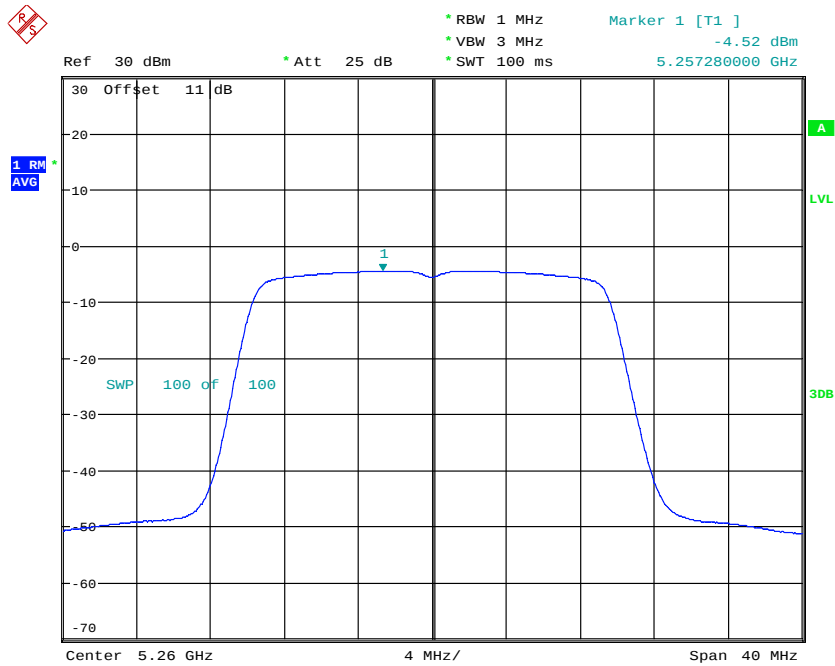
POWER DENSITY AV ANT211aCH60
Date: 4.OCT.2024 15:59:29



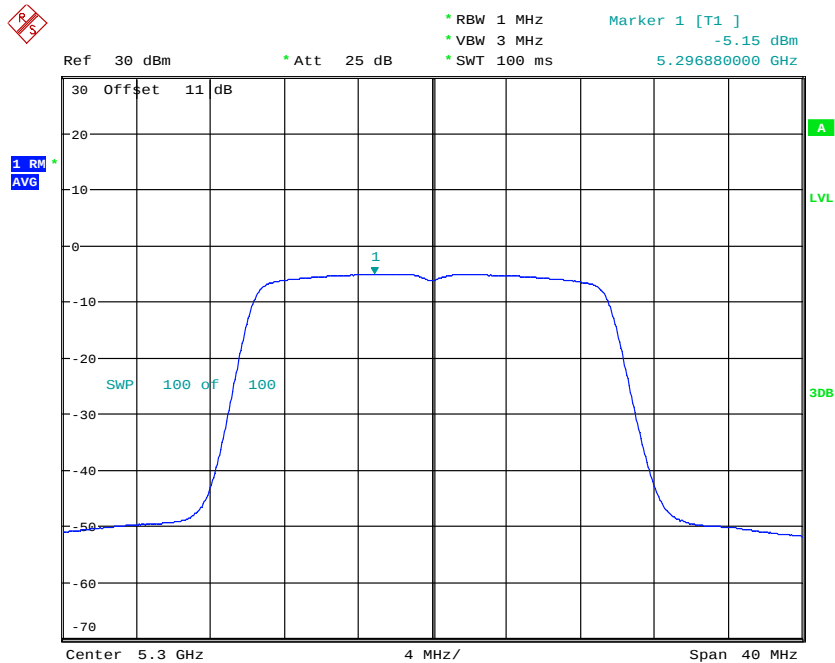
POWER DENSITY AV ANT211aCH64
Date: 4.OCT.2024 16:01:00



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



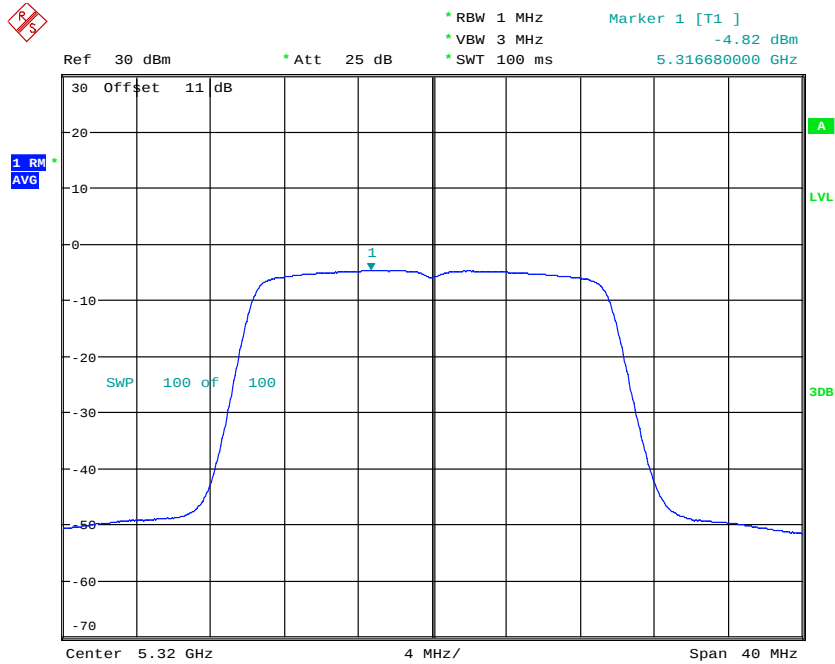
POWER DENSITY ANT_2_ax20_CH52
Date: 4.OCT.2024 17:42:31



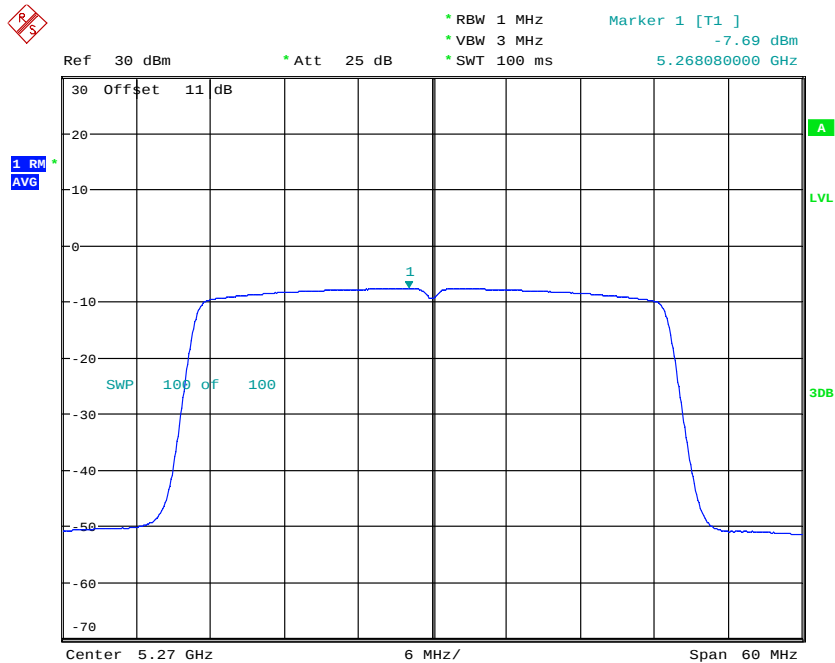
POWER DENSITY ANT_2_ax20_CH60
Date: 4.OCT.2024 17:44:30



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



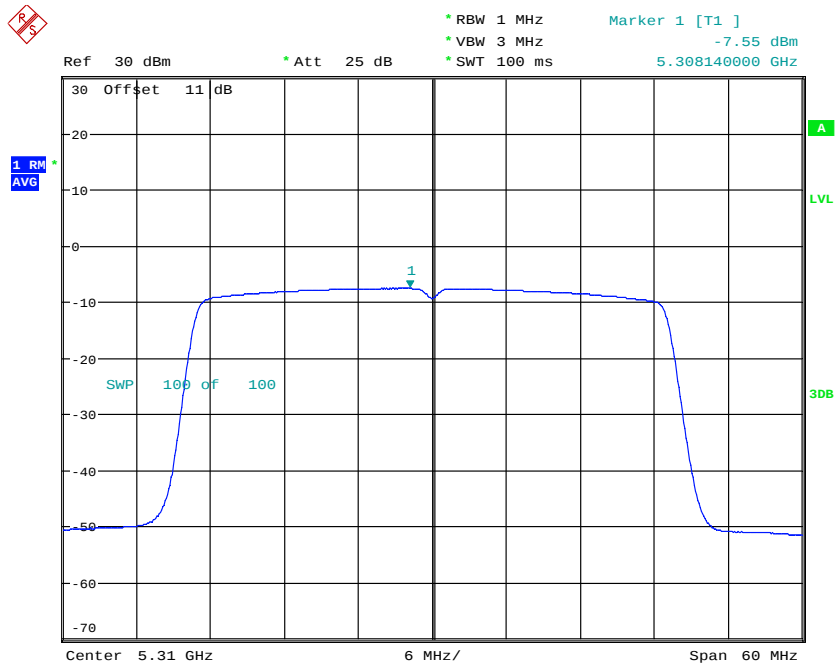
POWER DENSITY ANT_2_ax20_CH64
Date: 4.OCT.2024 17:46:28



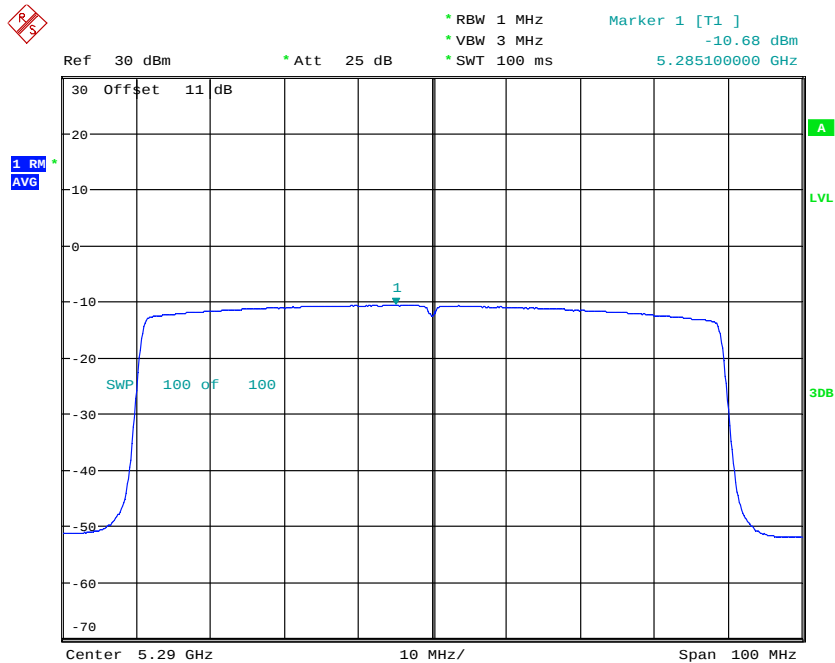
POWER DENSITY ANT_2_ax40_CH54
Date: 4.OCT.2024 19:22:15



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_2_ax40_CH62
Date: 4.OCT.2024 19:24:57



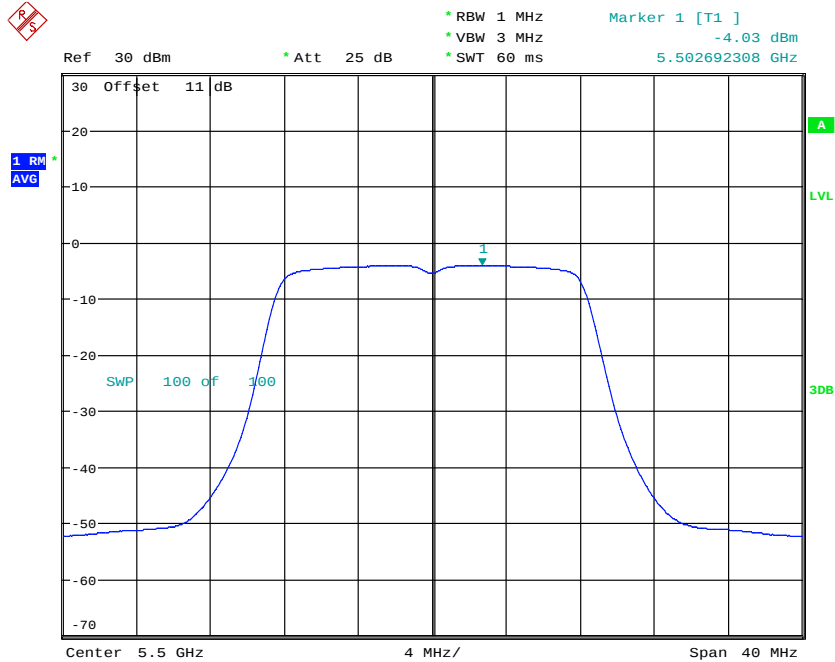
POWER DENSITY ANT_2_ax80_CH58
Date: 4.OCT.2024 19:46:34



Registration number: W6M22405-23479-C-55

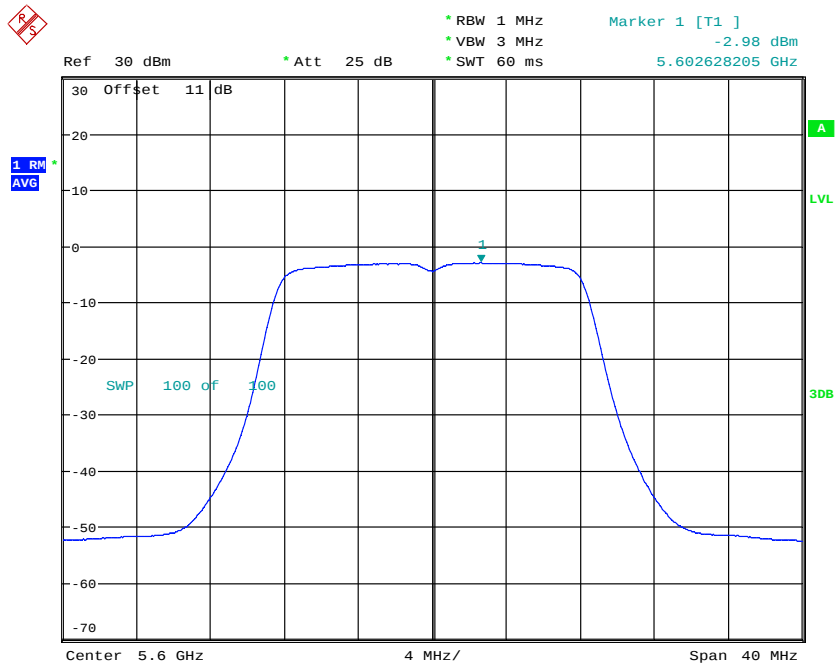
FCC ID: 2AG3J-WRPT50001

5.47 GHz ~ 5.725 GHz



POWER DENSITY AV ANT211aCH100

Date: 4.OCT.2024 15:49:25

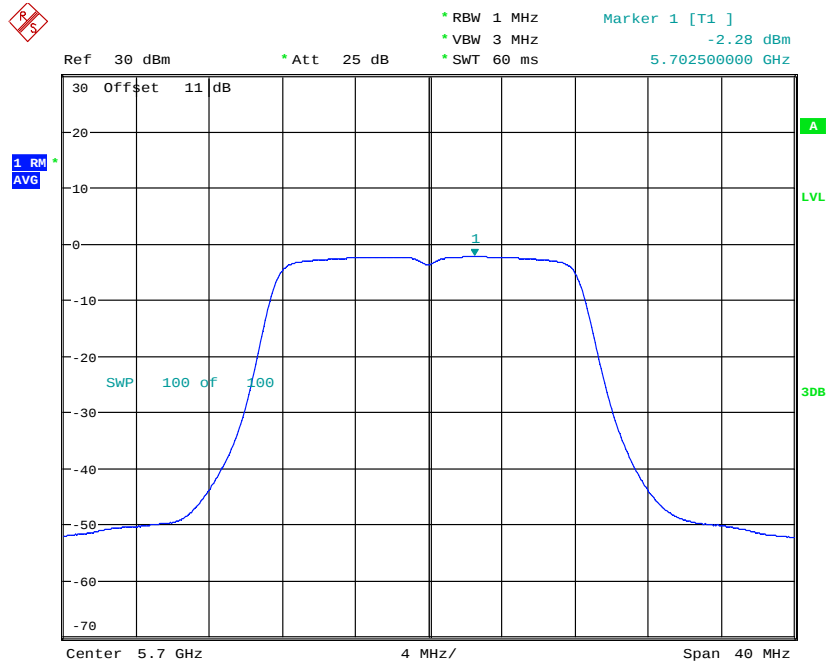


POWER DENSITY AV ANT211aCH120

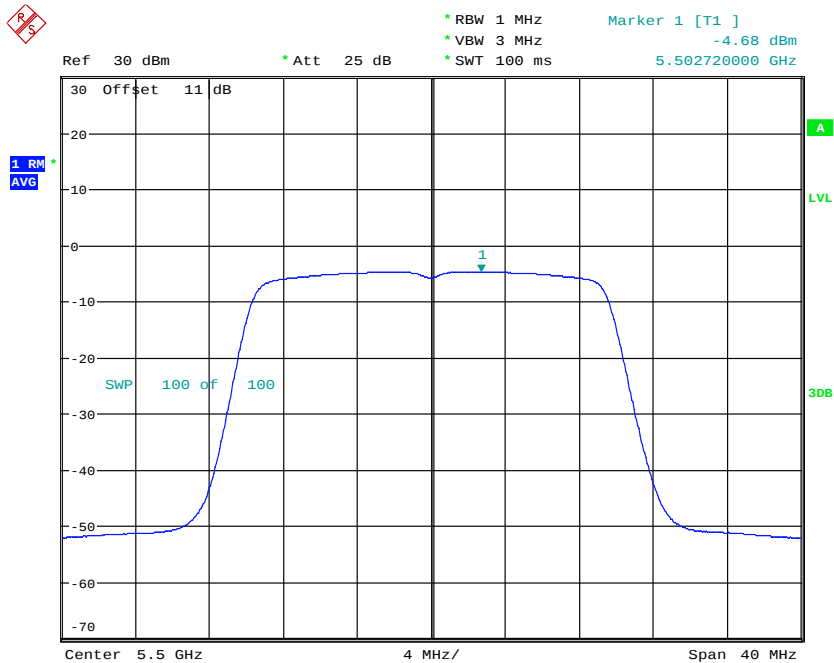
Date: 4.OCT.2024 15:50:36



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



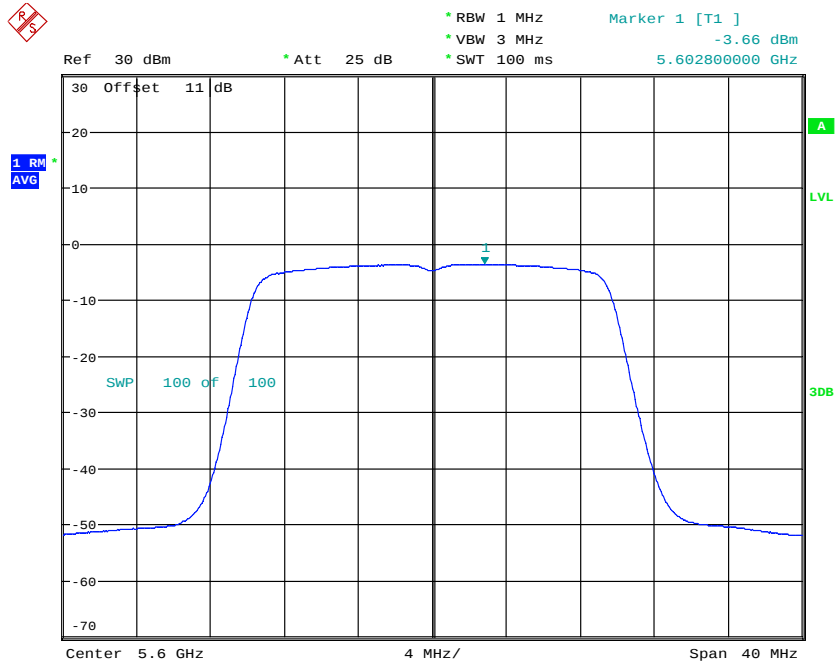
POWER DENSITY AV ANT211aCH140
Date: 4.OCT.2024 15:51:48



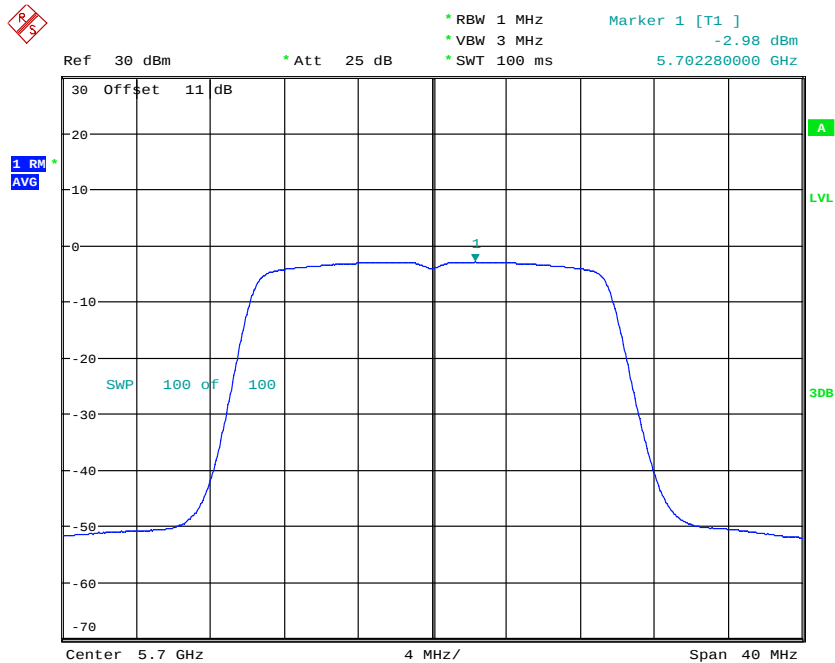
POWER DENSITY ANT_2_ax20_CH100
Date: 4.OCT.2024 17:49:10



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



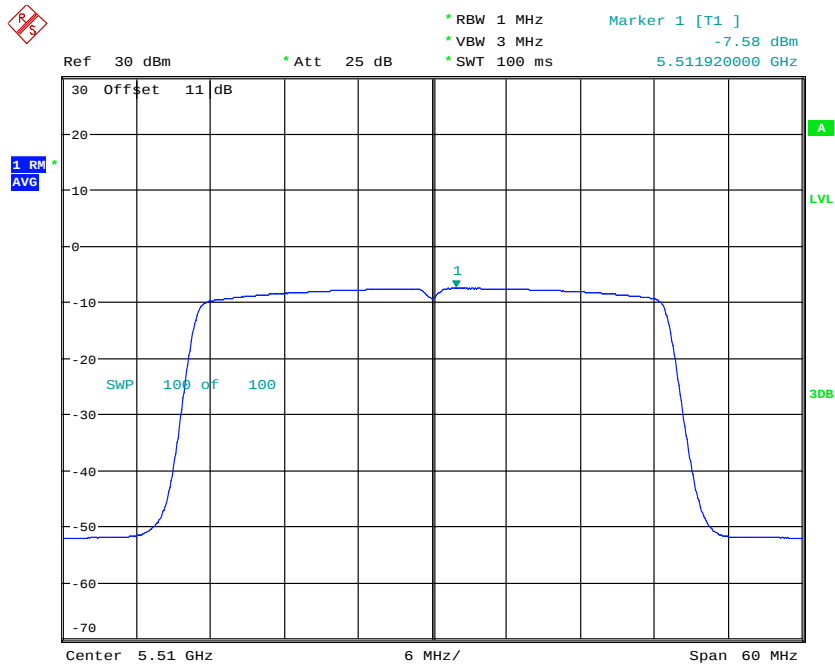
POWER DENSITY ANT_2_ax20_CH120
Date: 4.OCT.2024 19:03:08



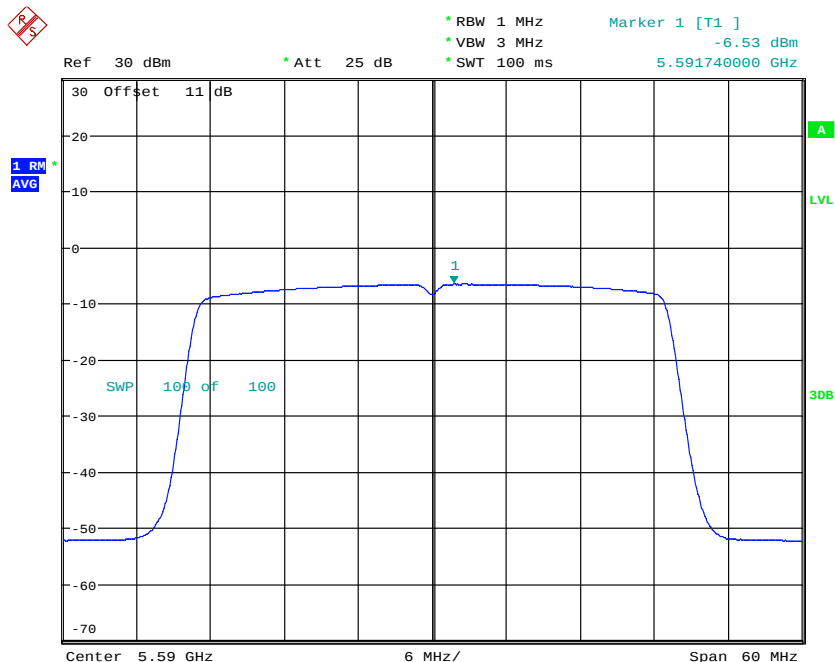
POWER DENSITY ANT_2_ax20_CH140
Date: 4.OCT.2024 19:05:11



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



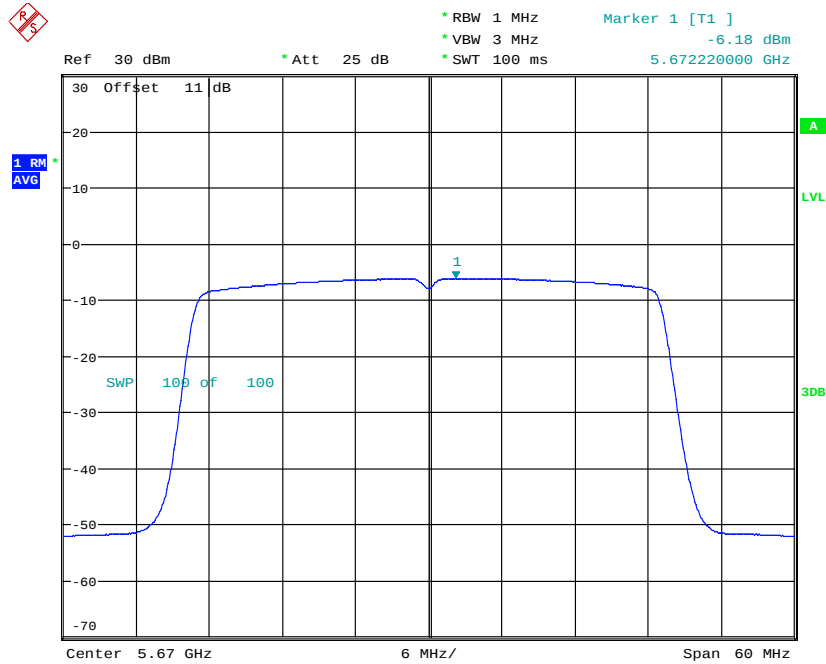
POWER DENSITY ANT_2_ax40_CH102
Date: 4.OCT.2024 19:30:25



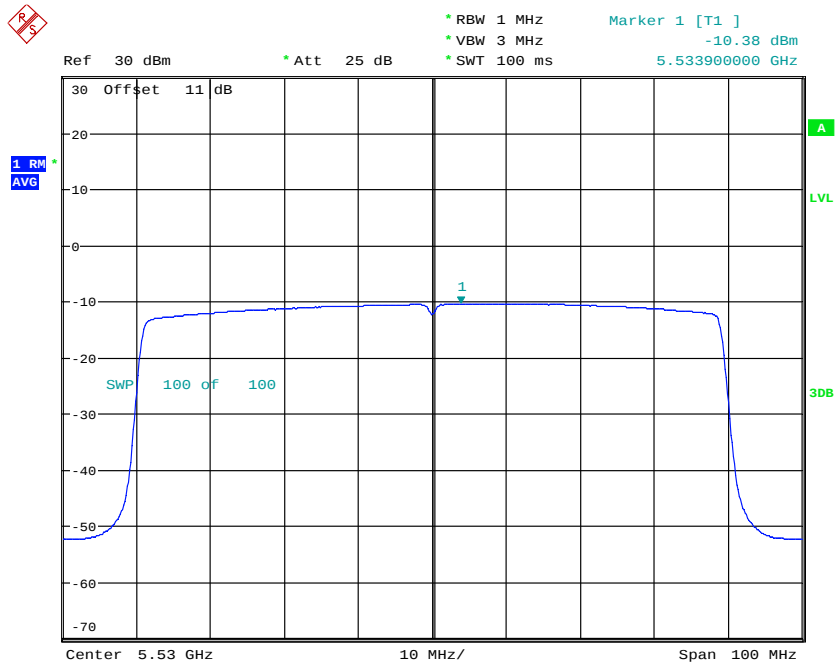
POWER DENSITY ANT_2_ax40_CH118
Date: 4.OCT.2024 19:32:42



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



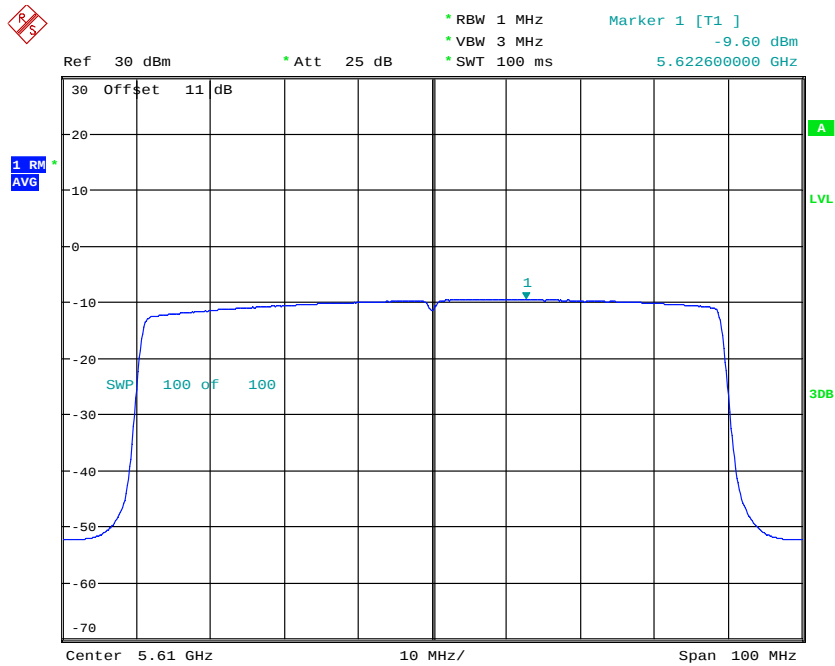
POWER DENSITY ANT_2_ax40_CH134
Date: 4.OCT.2024 19:35:13



POWER DENSITY ANT_2_ax80_CH106
Date: 4.OCT.2024 19:49:31

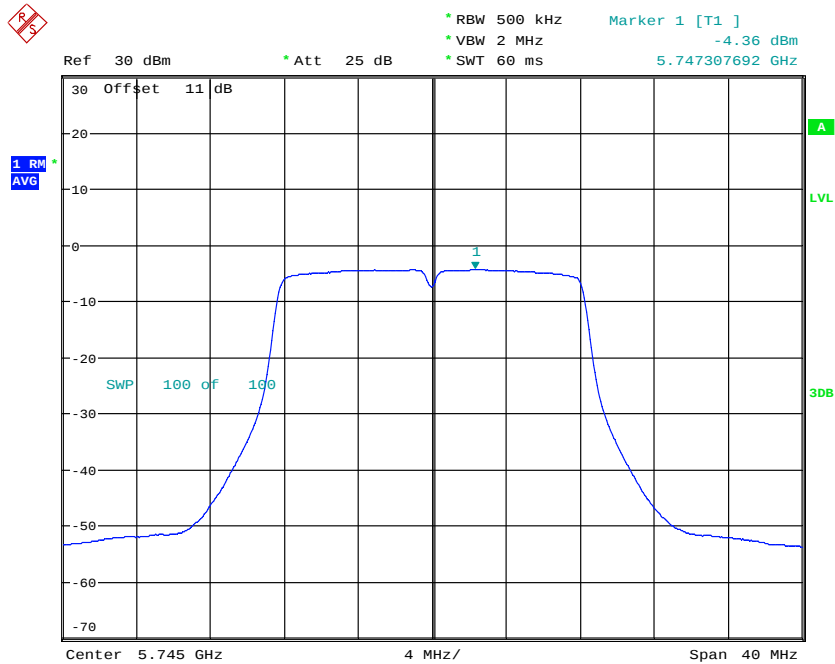


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_2_ax80_CH122
Date: 4.OCT.2024 19:52:20

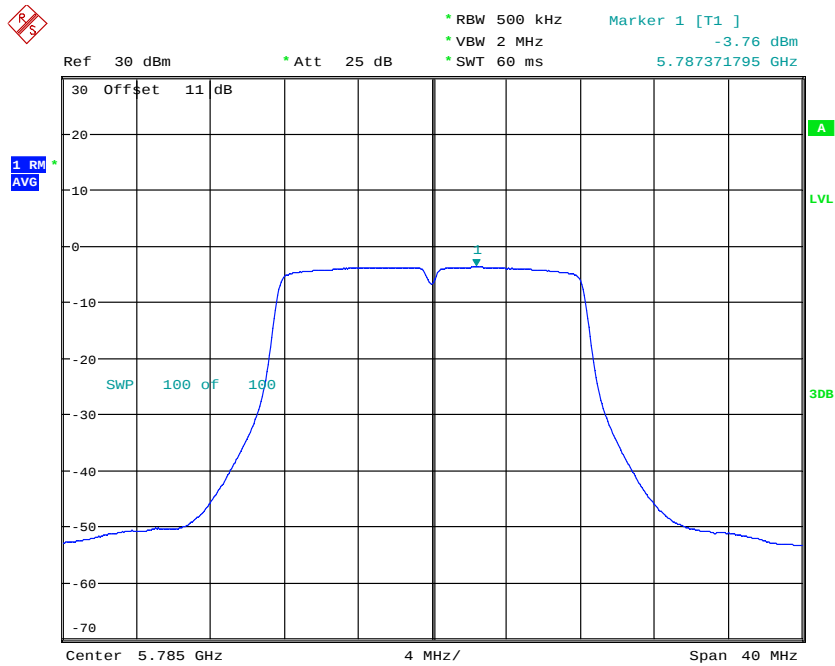
5.725 GHz ~ 5.85 GHz



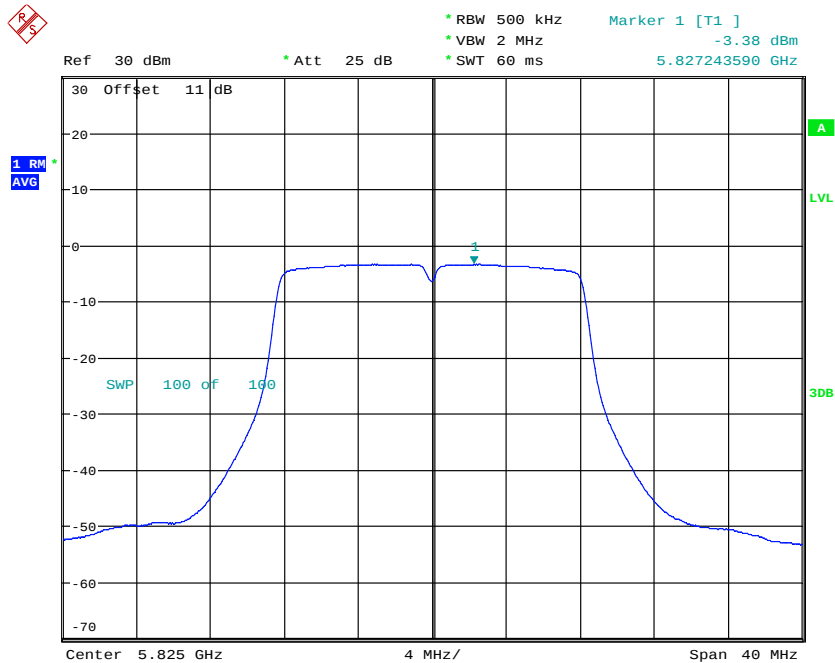
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Date: 4.OCT.2024 15:44:26



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



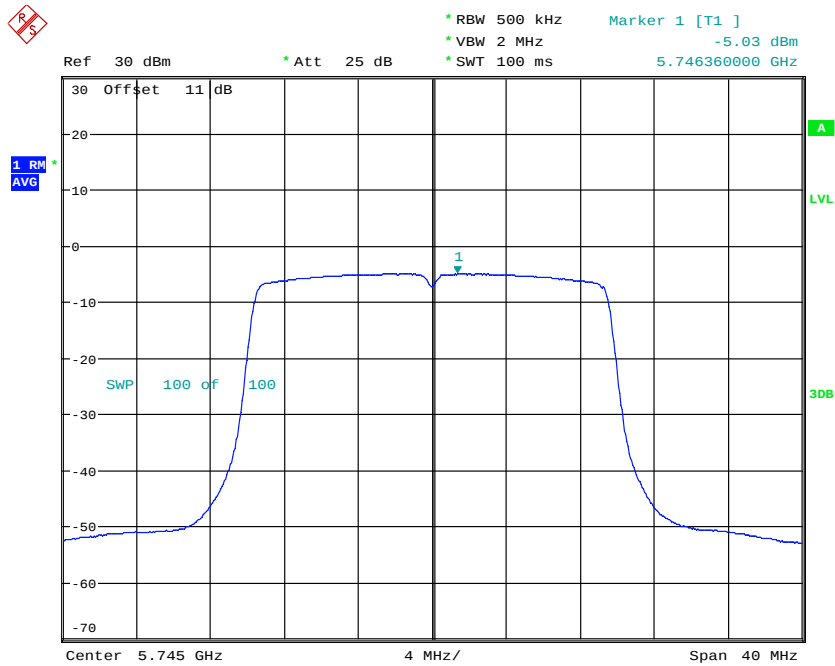
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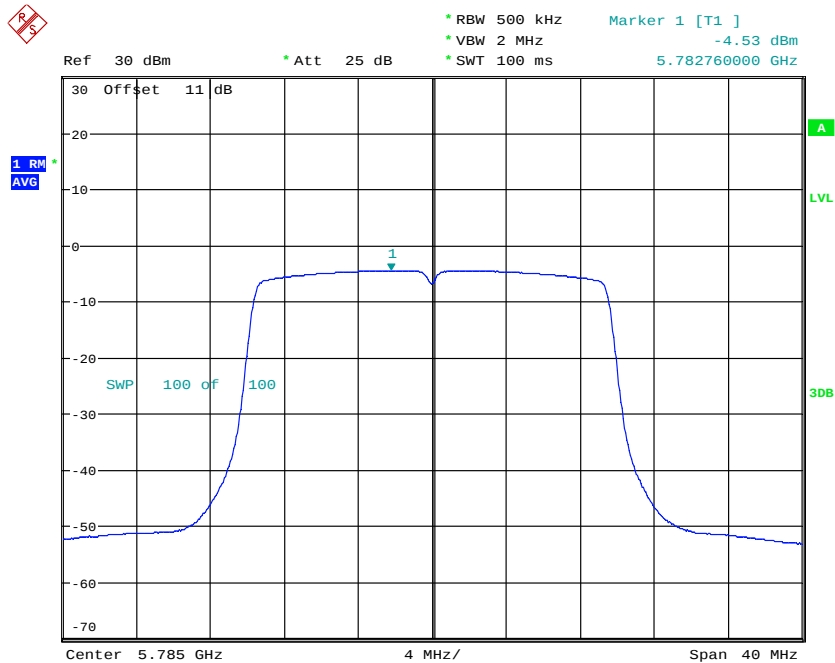
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Date: 4.OCT.2024 15:46:55



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



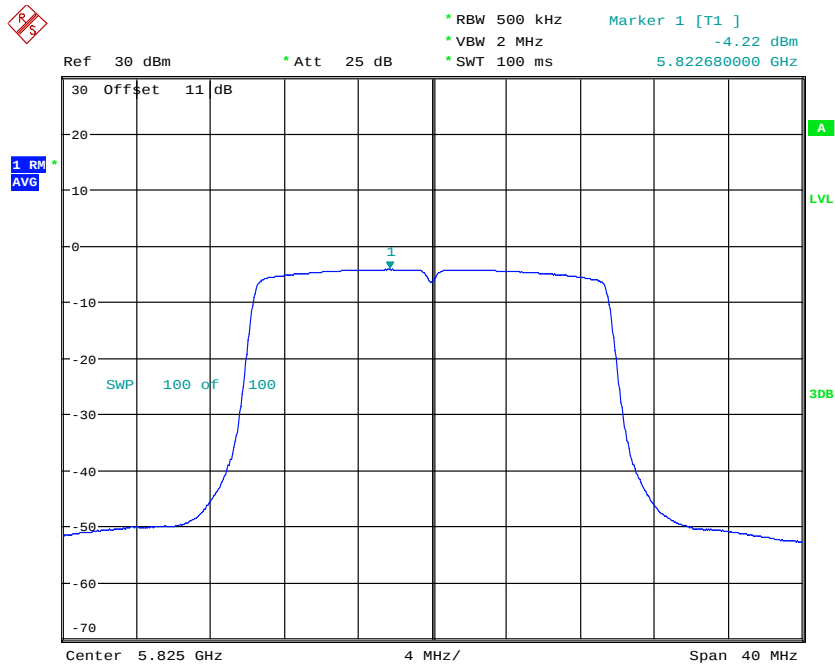
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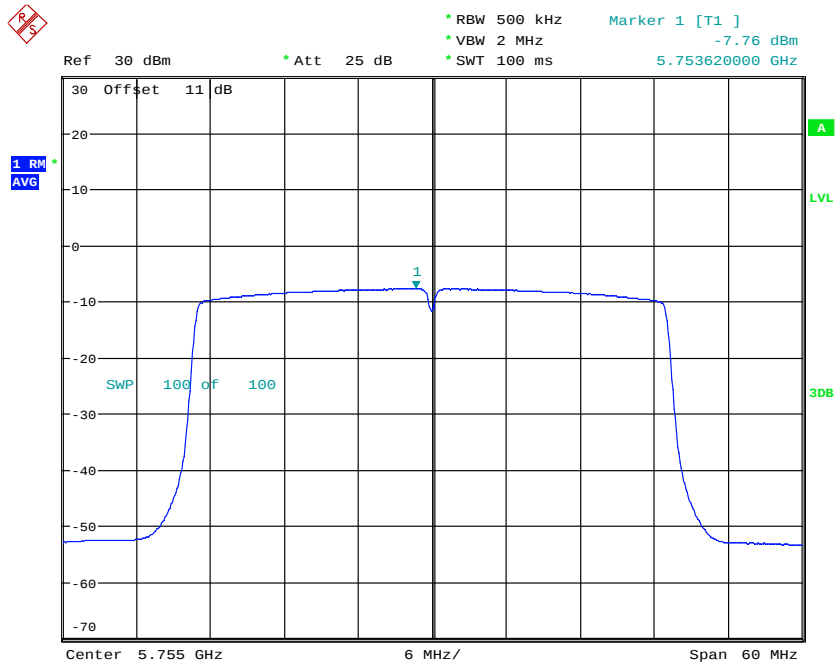
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Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



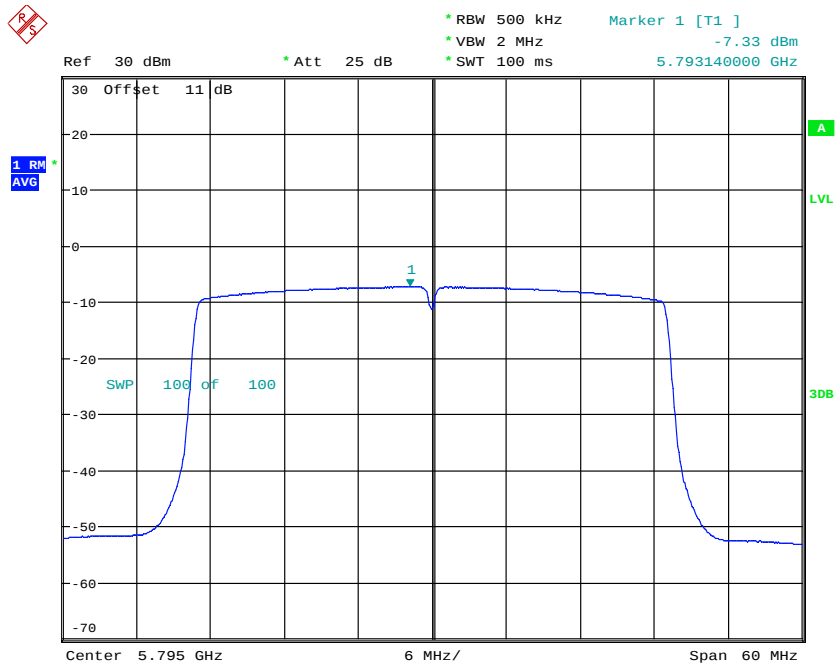
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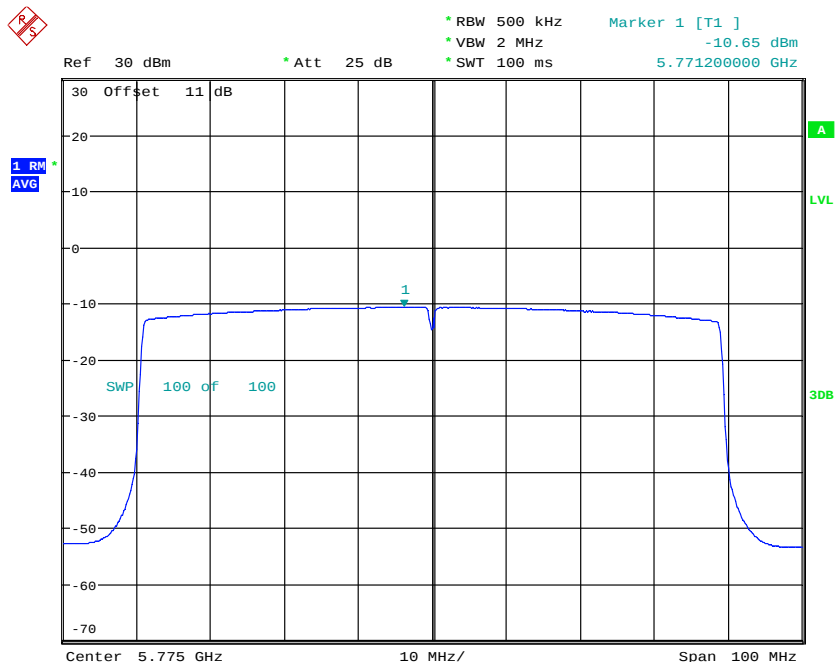
POWER DENSITY ANT_2_ax40_CH151
Date: 4.OCT.2024 19:37:23



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_2_ax40_CH159
Date: 4.OCT.2024 19:39:44



POWER DENSITY ANT_2_ax80_CH155
Date: 4.OCT.2024 19:55:11



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

New Testing

Test date: February 25, 2025

Temperature: 21.2 °C

Humidity: 60.0 %

Tester: Sora

Band	Mode	Channel	Conducted power with DF		Combine (dBm)	DF (dB)	Limit (dBm/MHz)
			Antenna 1 (dBm/MHz)	Antenna 2 (dBm/MHz)			
NII-1	802.11a	Ch 36 : 5180 MHz	-0.74	-3.11	-	0.02	13.90
		Ch 44 : 5220 MHz	-0.37	-3.54	-	0.02	13.90
		Ch 48 : 5240 MHz	-0.44	-3.84	-	0.02	13.90
	802.11ax 20MHz	Ch 36 : 5180 MHz	-1.51	-3.66	0.56	0.00	13.90
		Ch 44 : 5220 MHz	-1.20	-4.14	0.58	0.00	13.90
		Ch 48 : 5240 MHz	-1.21	-4.44	0.48	0.00	13.90
	802.11ax 40MHz	Ch 38 : 5190 MHz	-4.30	-6.76	-2.35	0.00	13.90
		Ch 46 : 5230 MHz	-4.00	-7.28	-2.33	0.00	13.90
	802.11ax 80MHz	Ch 42 : 5210 MHz	-7.07	-9.90	-5.25	0.00	13.90
NII-2A	802.11a	Ch 52 : 5260 MHz	0.53	-3.94	-	0.02	8.72
		Ch 60 : 5300 MHz	0.36	-4.45	-	0.02	8.72
		Ch 64 : 5320 MHz	0.32	-4.08	-	0.02	8.72
	802.11ax 20MHz	Ch 52 : 5260 MHz	-0.33	-4.52	1.07	0.00	8.72
		Ch 60 : 5300 MHz	-0.40	-5.15	0.85	0.00	8.72
		Ch 64 : 5320 MHz	-0.44	-4.82	0.91	0.00	8.72
	802.11ax 40MHz	Ch 54 : 5270 MHz	-3.12	-7.69	-1.82	0.00	8.72
		Ch 62 : 5310 MHz	-3.21	-7.55	-1.85	0.00	8.72
	802.11ax 80MHz	Ch 58 : 5290 MHz	-6.12	-10.68	-4.82	0.00	8.72
NII-2C	802.11a	Ch 100 : 5500 MHz	0.11	-4.01	-	0.02	8.07
		Ch 120 : 5600 MHz	-0.58	-2.96	-	0.02	8.07
		Ch 140 : 5700 MHz	-1.04	-2.26	-	0.02	8.07
	802.11ax 20MHz	Ch 100 : 5500 MHz	-0.44	-4.68	0.95	0.00	8.07
		Ch 120 : 5600 MHz	-0.90	-3.66	0.95	0.00	8.07
		Ch 140 : 5700 MHz	-1.47	-2.98	0.85	0.00	8.07
	802.11ax 40MHz	Ch 102 : 5510 MHz	-3.44	-7.58	-2.02	0.00	8.07
		Ch 118 : 5590 MHz	-3.92	-6.53	-2.02	0.00	8.07
		Ch 134 : 5670 MHz	-4.27	-6.18	-2.11	0.00	8.07
		Ch 106 : 5530 MHz	-6.69	-10.38	-5.14	0.00	8.07



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

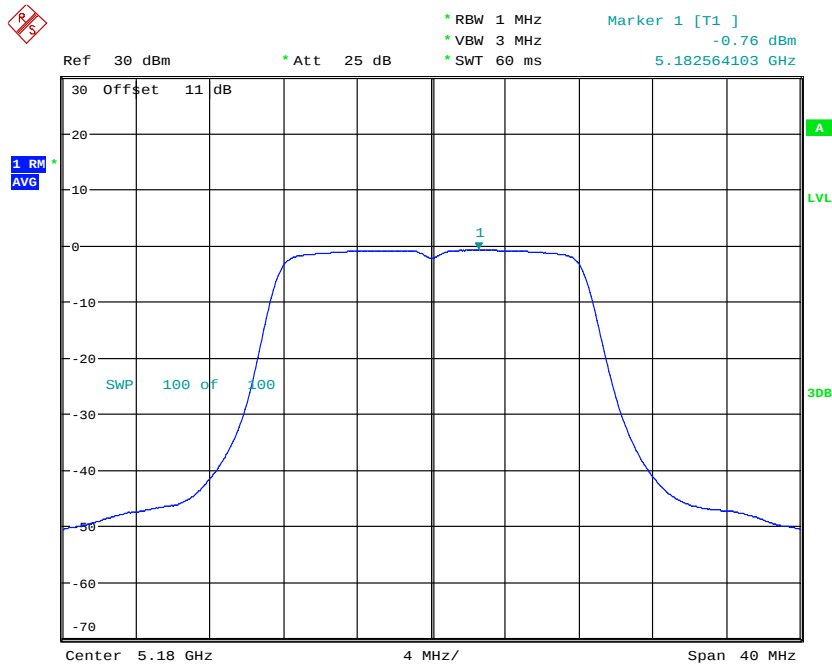
FCC ID: 2AG3J-WRPT50001

	802.11ax 80MHz	Ch 122 : 5610 MHz	-7.26	-9.60	-5.26	0.00	8.07
NII-3	802.11a	Ch 149 : 5745 MHz	-4.43	-5.44	-	0.02	27.07
		Ch 157 : 5785 MHz	-4.50	-5.15	-	0.02	27.07
		Ch 165 : 5825 MHz	-4.63	-4.82	-	0.02	27.07
	802.11ax 20MHz	Ch 149 : 5745 MHz	-4.95	-6.09	-2.47	0.00	27.07
		Ch 157 : 5785 MHz	-5.06	-5.56	-2.29	0.00	27.07
		Ch 165 : 5825 MHz	-5.26	-5.32	-2.28	0.00	27.07
	802.11ax 40MHz	Ch 151 : 5755 MHz	-7.96	-8.90	-5.39	0.00	27.07
		Ch 159 : 5795 MHz	-8.23	-8.32	-5.26	0.00	27.07
	802.11ax 80MHz	Ch 155 : 5775 MHz	-11.30	-11.56	-8.42	0.00	27.07

Note : NII-3 Limit is dBm/500kHz

ANT 1

5.15 GHz ~ 5.25 GHz

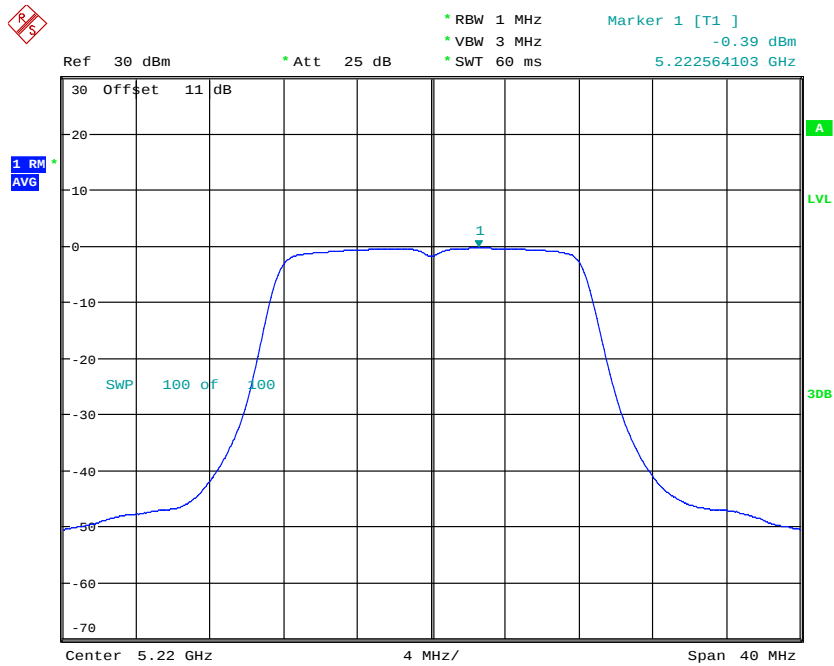


POWER DENSITY AV ANT111aCH36

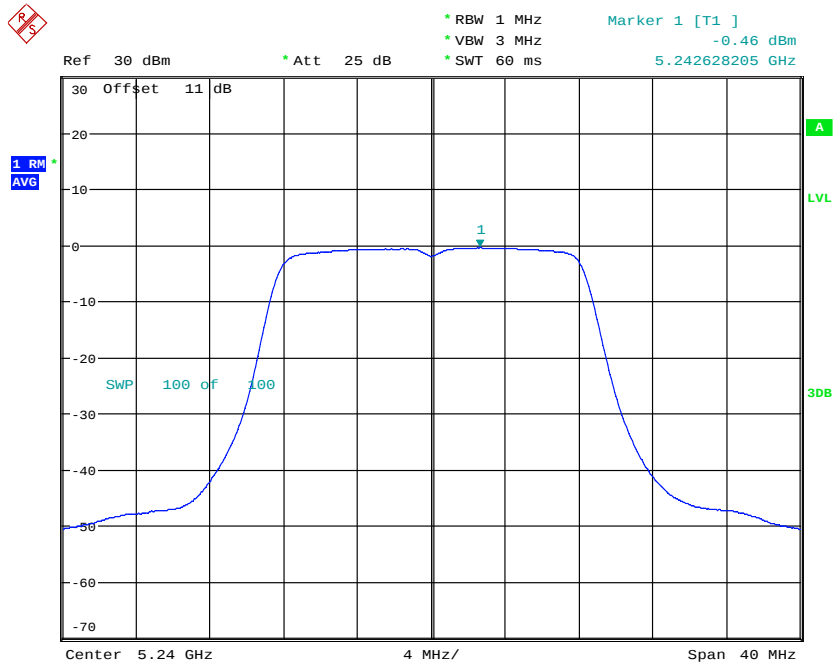
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Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



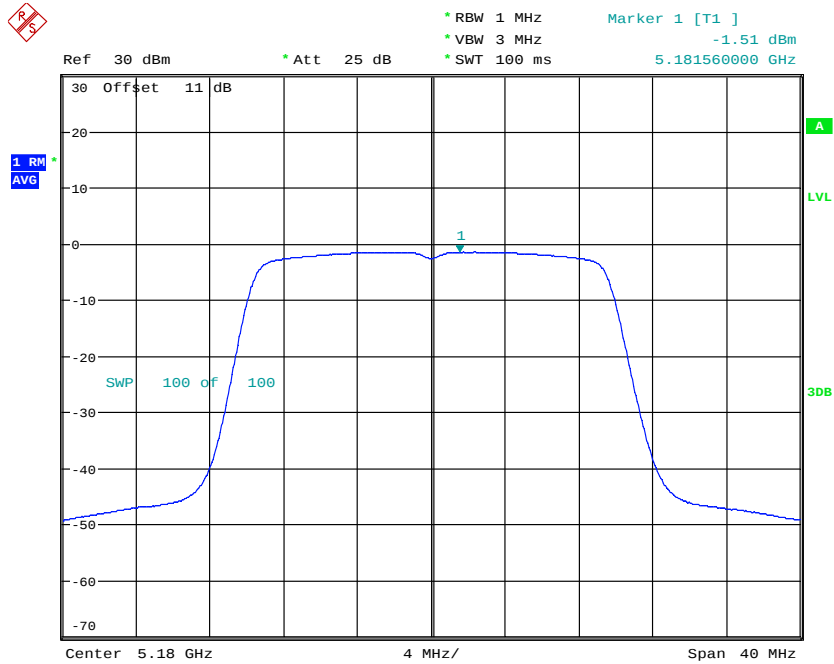
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Date: 25.FEB.2025 12:46:37



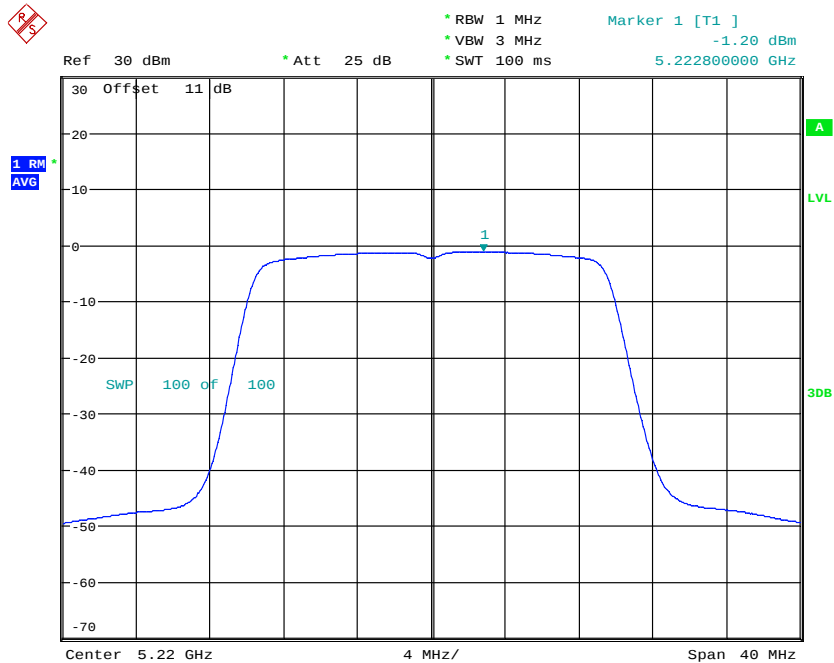
POWER DENSITY AV ANT111aCH48
Date: 25.FEB.2025 12:47:42



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



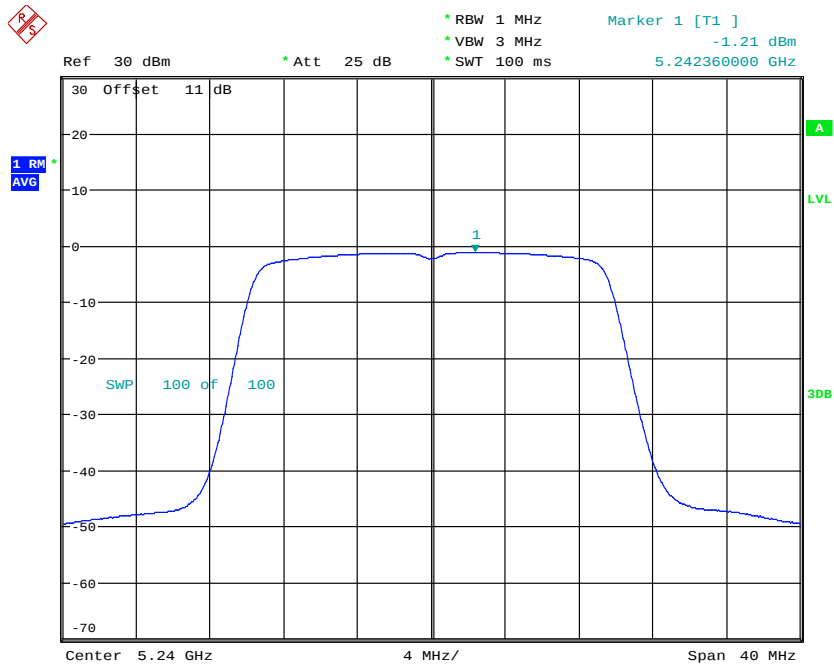
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Date: 25.FEB.2025 15:46:56



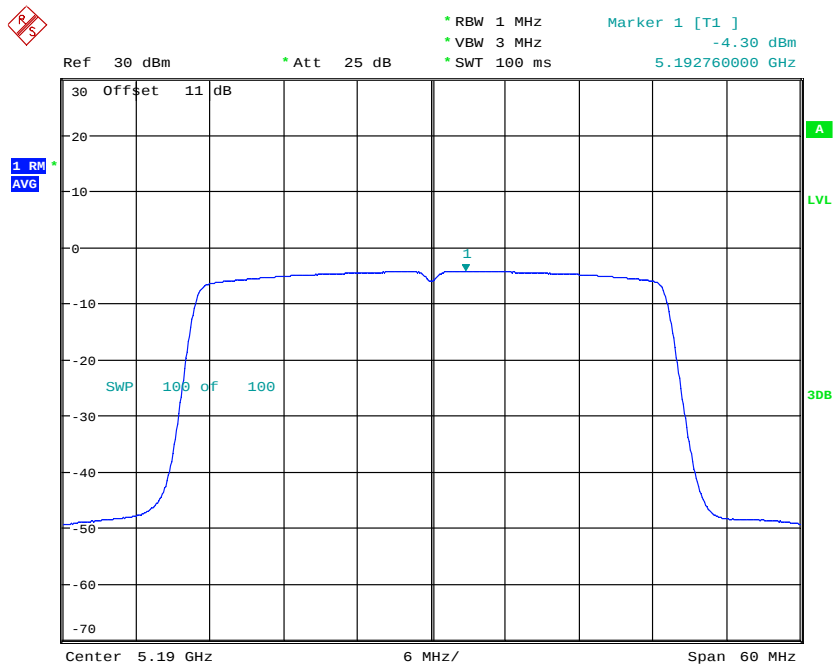
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Date: 25.FEB.2025 15:48:28



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



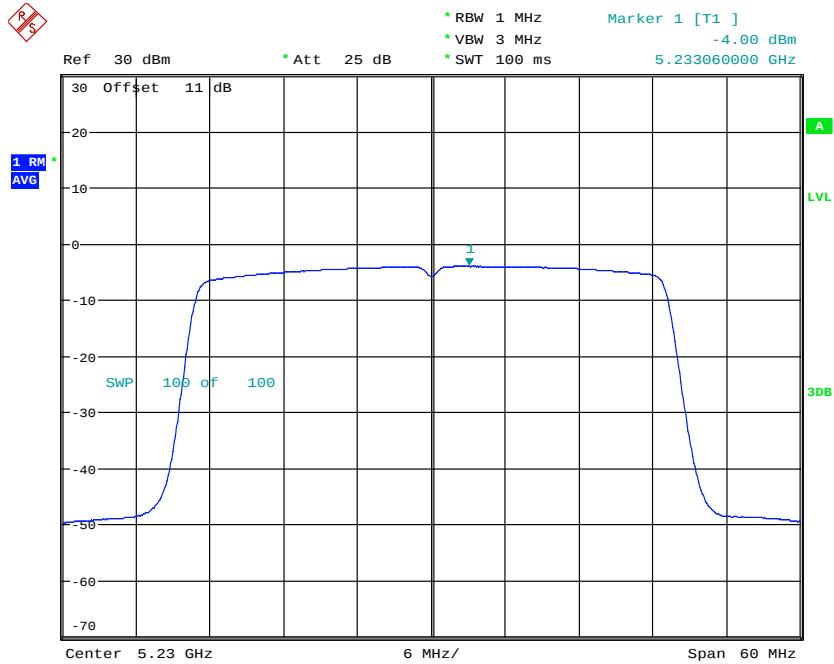
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Date: 25.FEB.2025 15:49:43



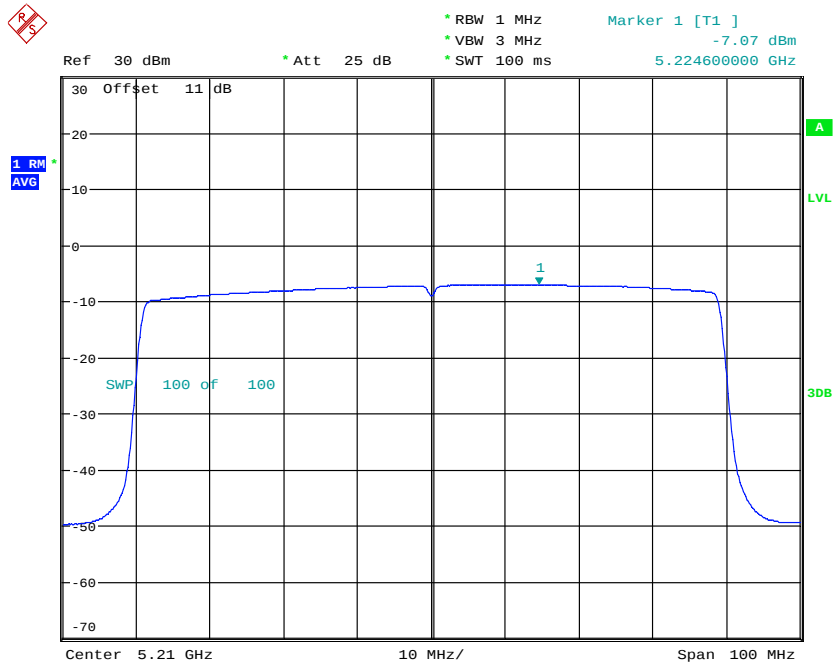
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Date: 25.FEB.2025 16:49:18



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_1_ax40_CH46
Date: 25.FEB.2025 16:48:16



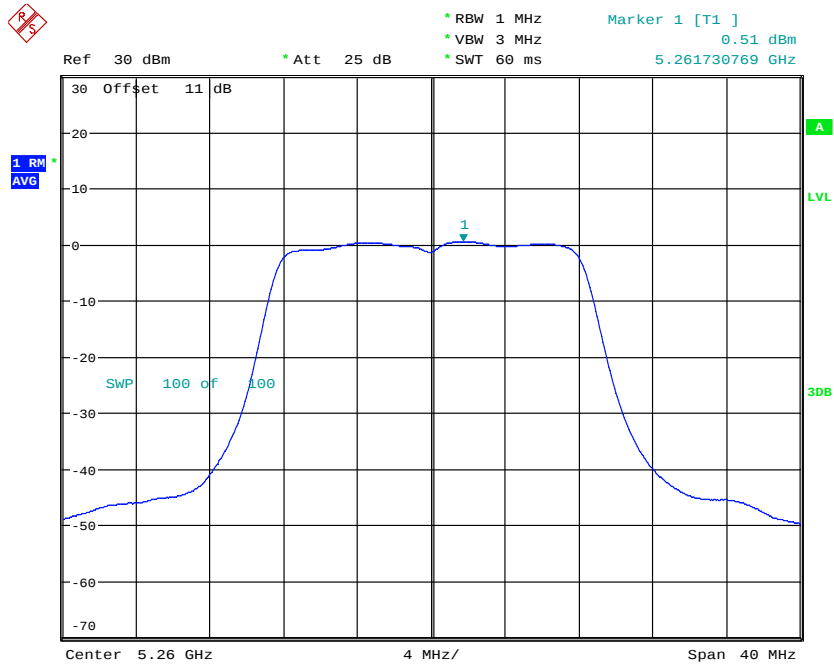
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Date: 25.FEB.2025 16:51:16



Registration number: W6M22405-23479-C-55

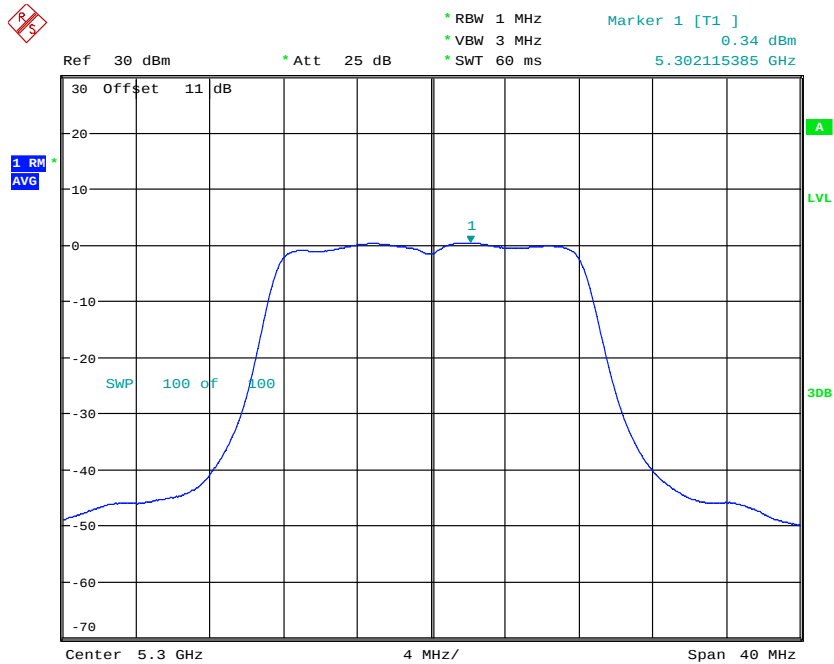
FCC ID: 2AG3J-WRPT50001

5.25 GHz ~ 5.35 GHz



POWER DENSITY AV ANT111aCH52

Date: 25.FEB.2025 13:37:45

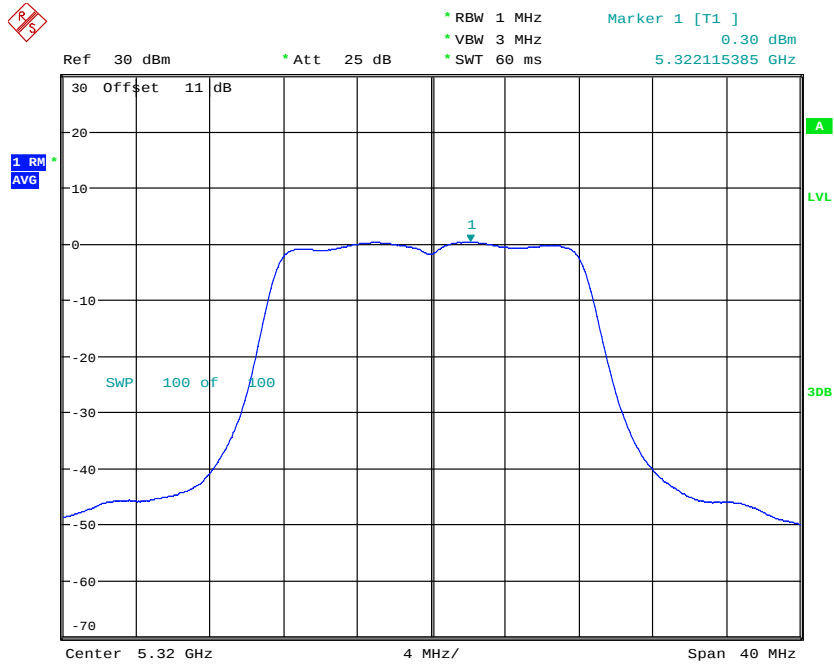


POWER DENSITY AV ANT111aCH60

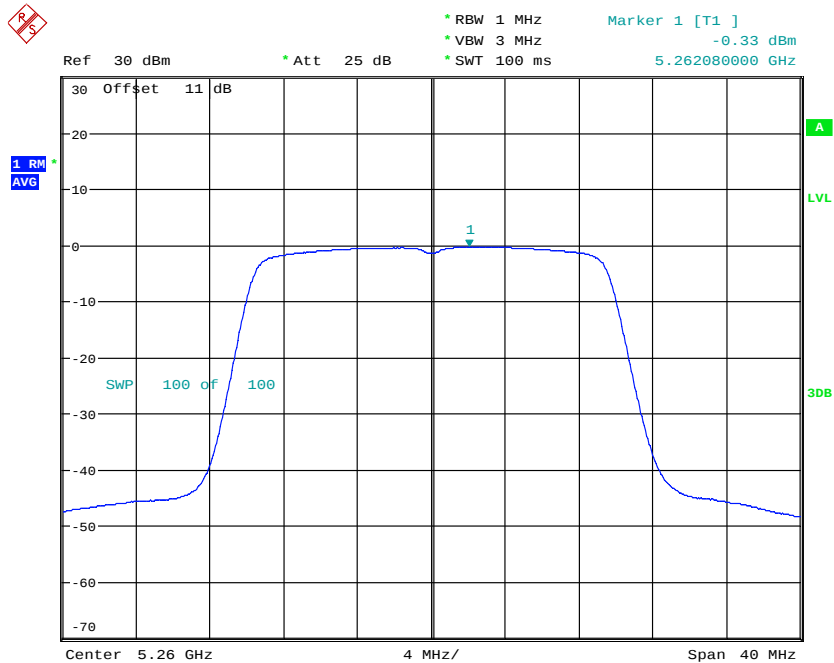
Date: 25.FEB.2025 13:38:44



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



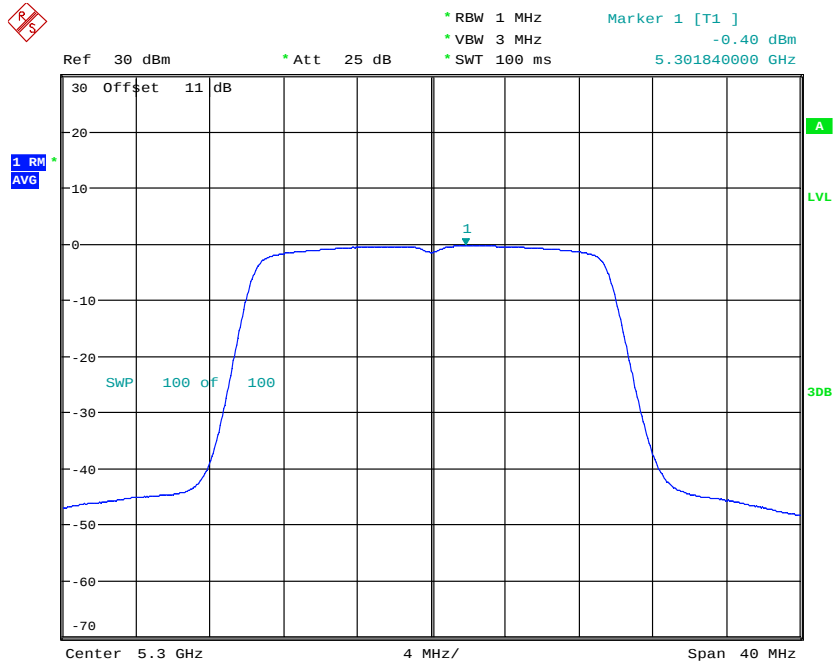
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Date: 25.FEB.2025 13:39:42



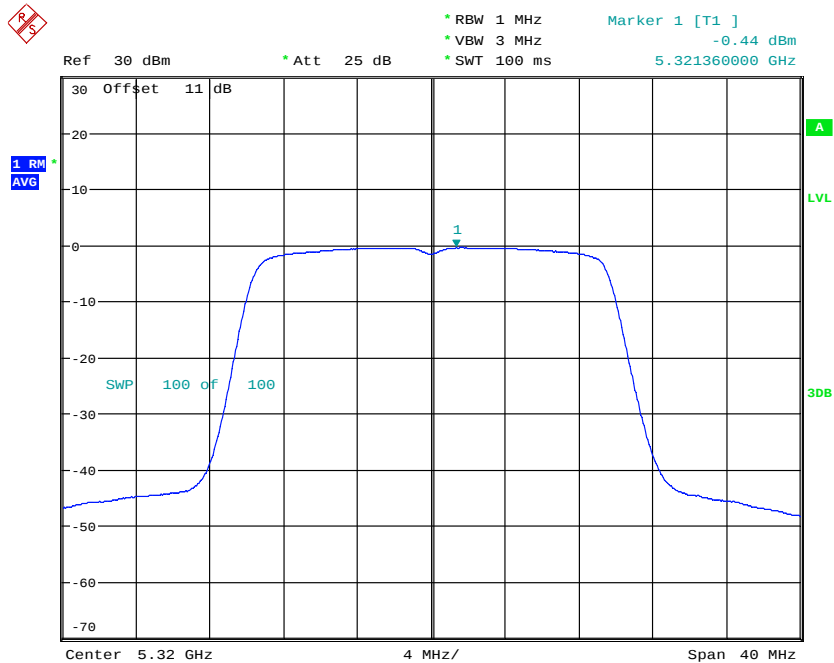
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Date: 25.FEB.2025 15:53:12



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



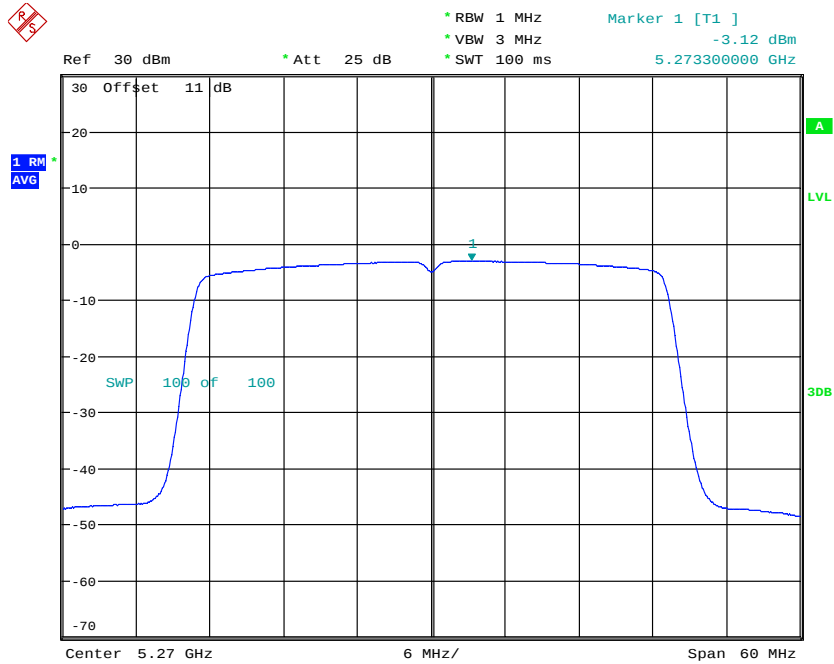
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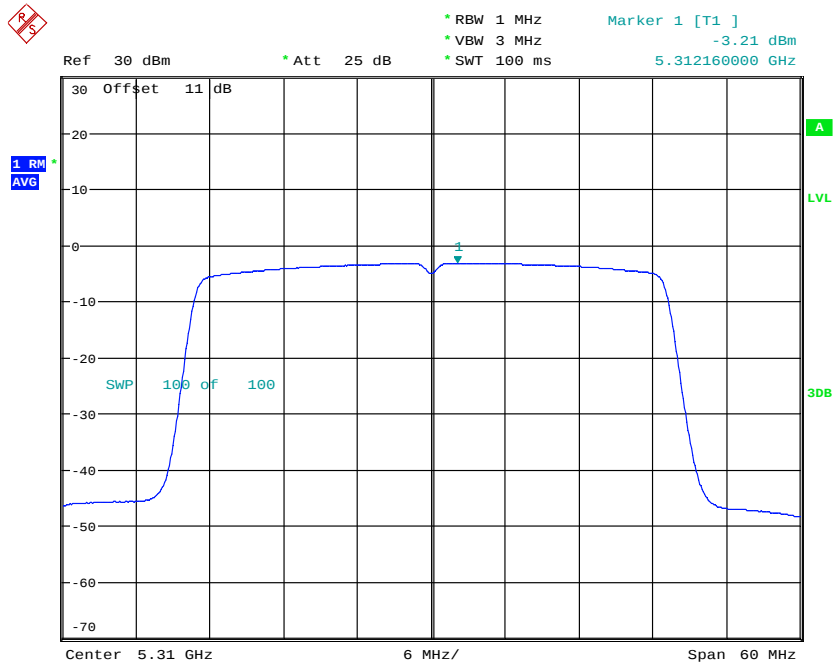
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Date: 25.FEB.2025 15:55:41



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



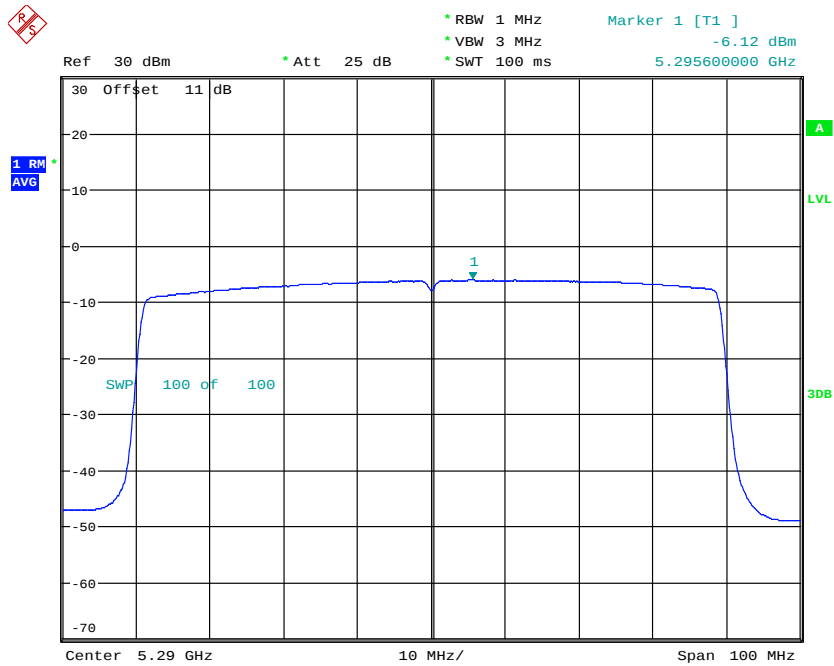
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Date: 25.FEB.2025 16:47:19



POWER DENSITY ANT_1_ax40_CH62
Date: 25.FEB.2025 15:57:06

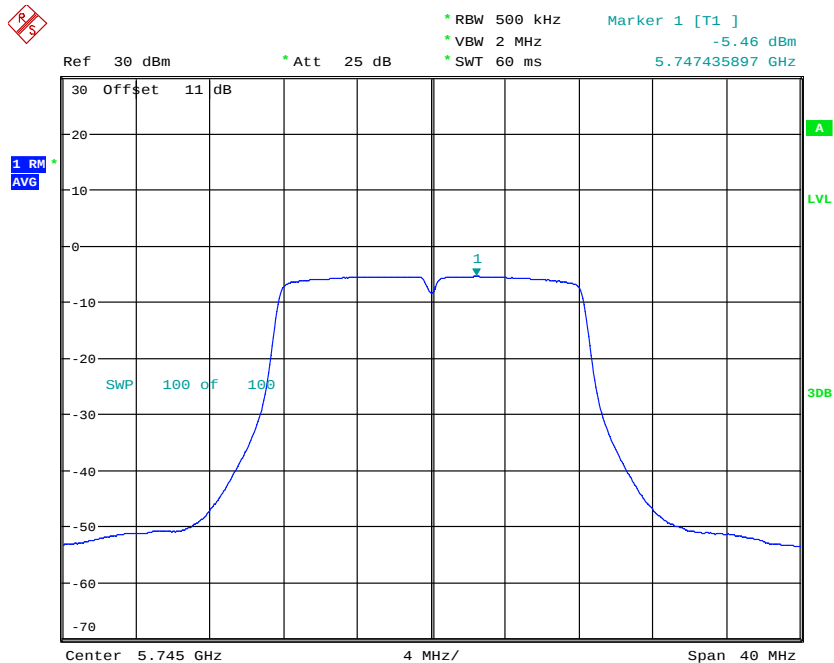


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



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Date: 25.FEB.2025 16:52:53

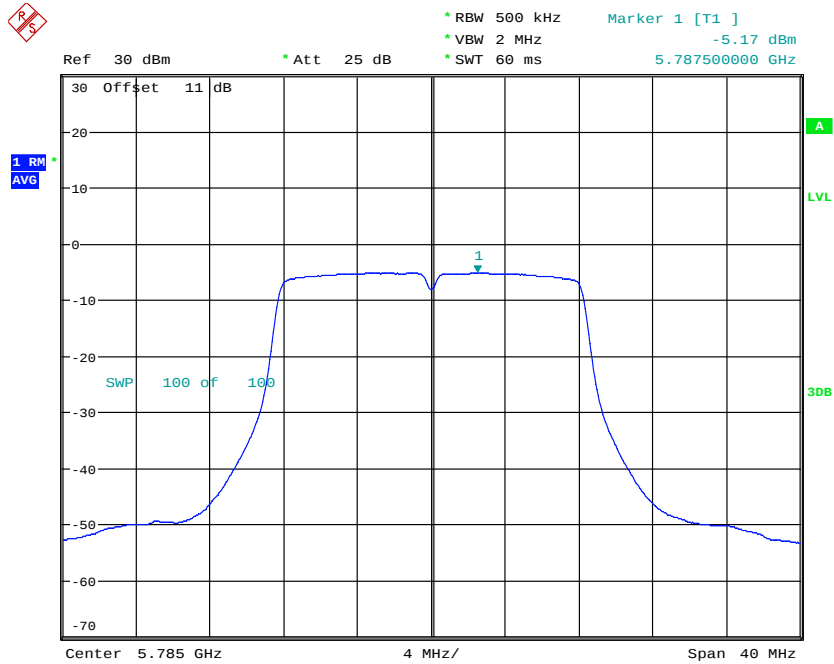
ANT 2 5.725 GHz ~ 5.85 GHz



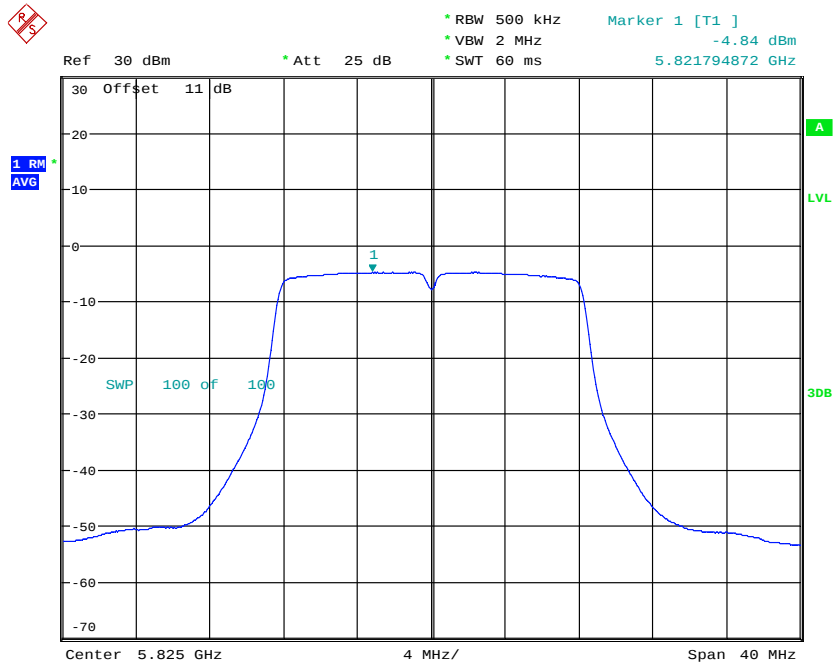
POWER DENSITY AV ANT211aCH149
Date: 25.FEB.2025 17:41:18



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



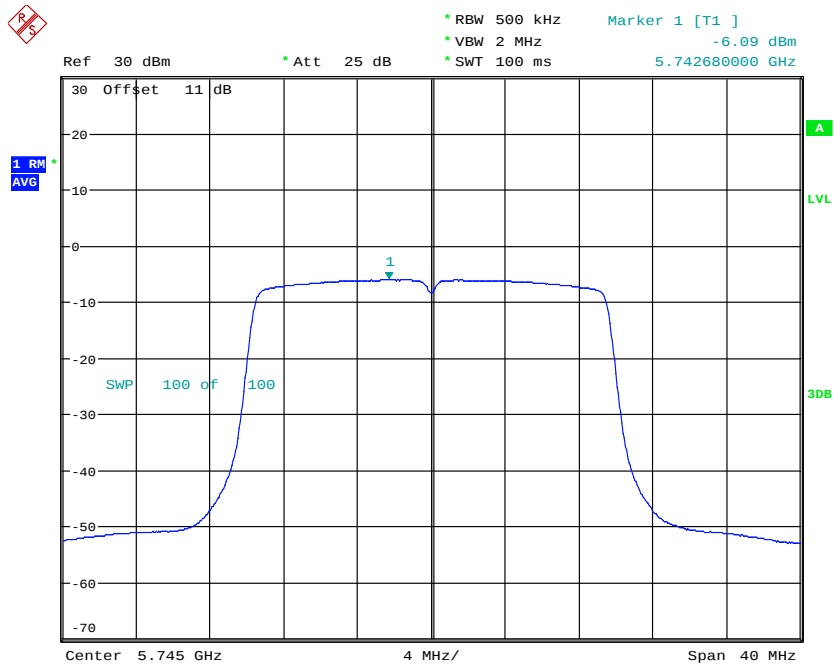
POWER DENSITY AV ANT211aCH157
Date: 25.FEB.2025 17:42:23



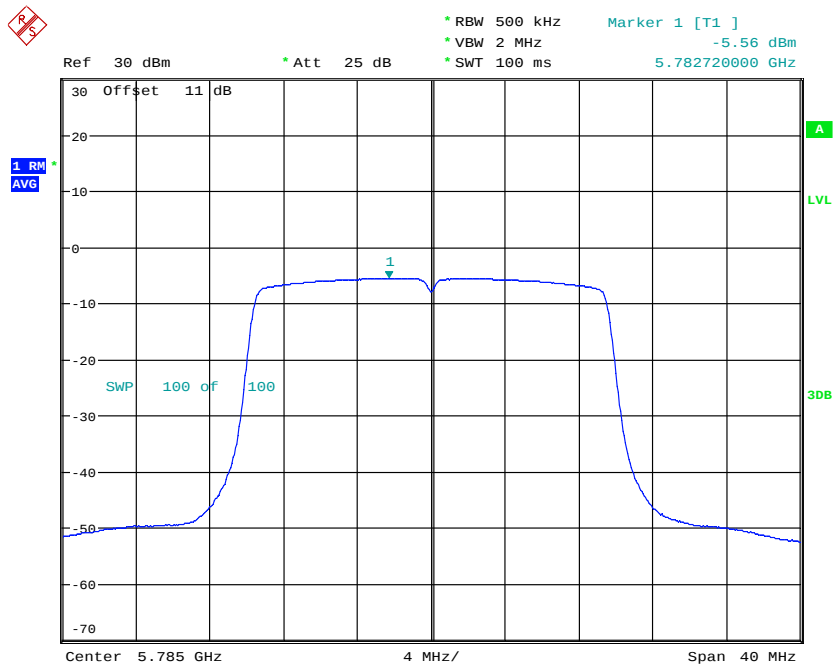
POWER DENSITY AV ANT211aCH165
Date: 25.FEB.2025 17:43:41



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



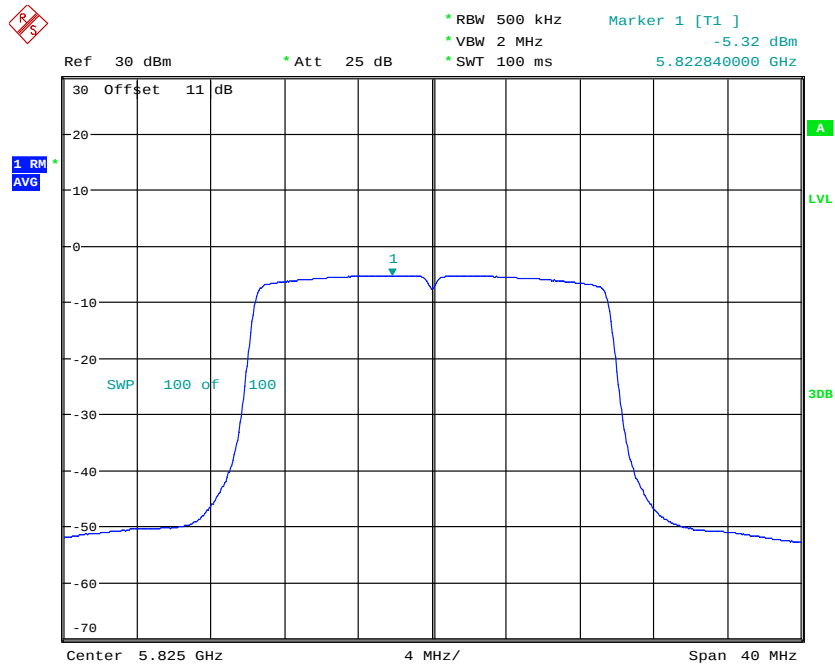
POWER DENSITY ANT_2_ax20_CH149
Date: 25.FEB.2025 17:46:05



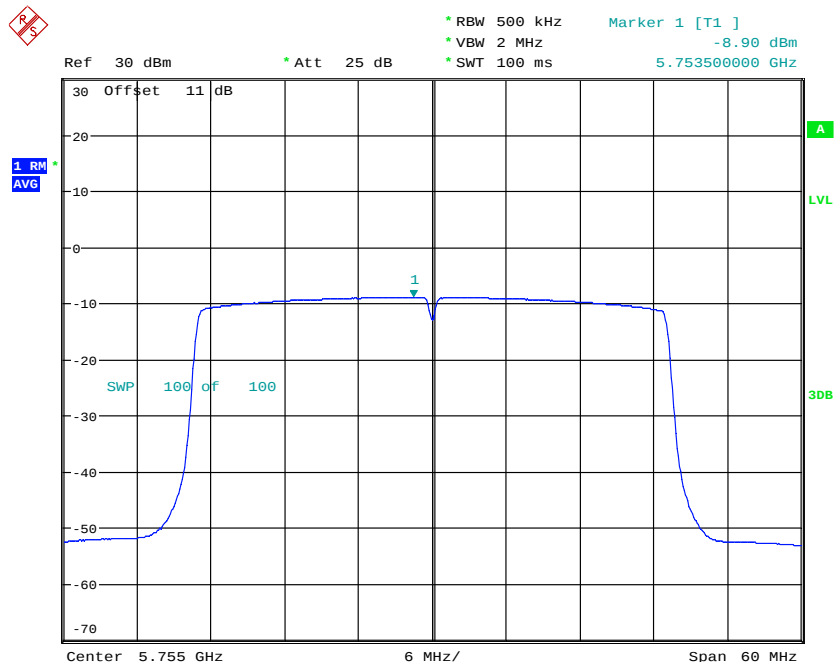
POWER DENSITY ANT_2_ax20_CH157
Date: 25.FEB.2025 17:47:39



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



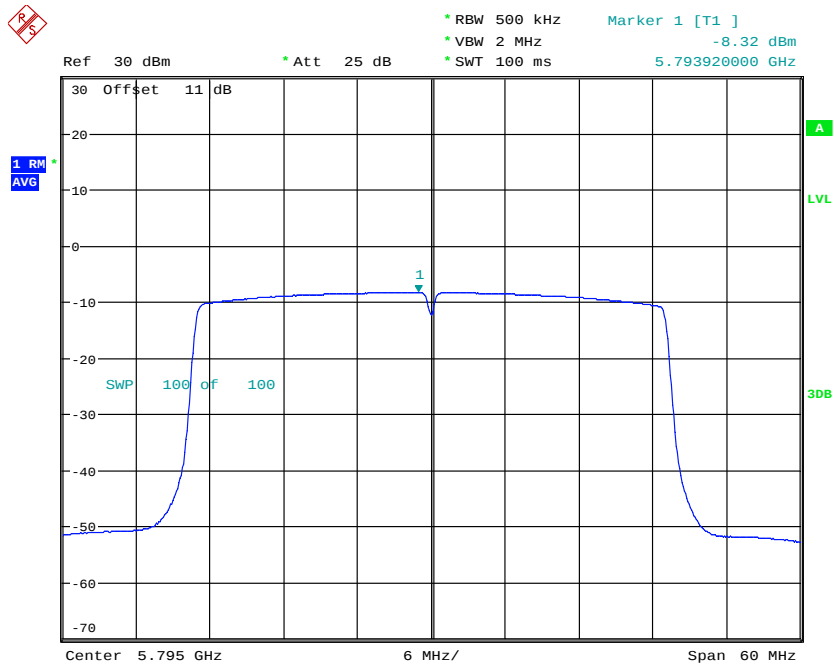
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Date: 25.FEB.2025 17:49:52



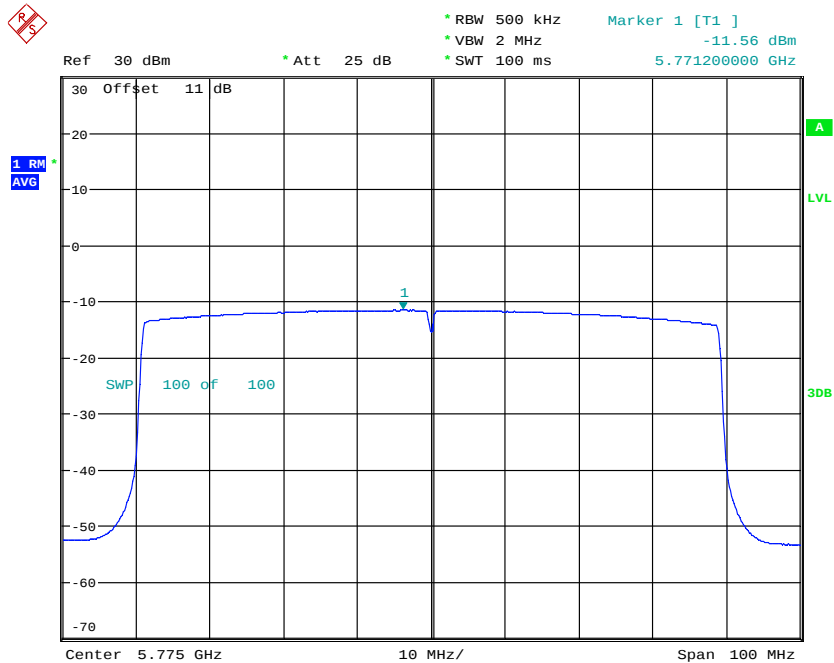
POWER DENSITY ANT_2_ax40_CH151
Date: 25.FEB.2025 18:10:45



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



POWER DENSITY ANT_2_ax40_CH159
Date: 25.FEB.2025 18:11:47



POWER DENSITY ANT_2_ax80_CH155
Date: 25.FEB.2025 18:14:13

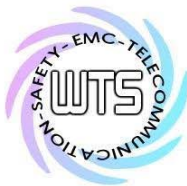


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

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) $EIRP = ((E \cdot d)^2) / 30$, 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	
☒	FIELD STRENGTH at 3m (dBμV/m)	
	PK	AV
	74	54
☐	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH at 3m (dBμV/m)
	PK	PK
	-27	68.3



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Model: WR-PT5-0001

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: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

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.



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

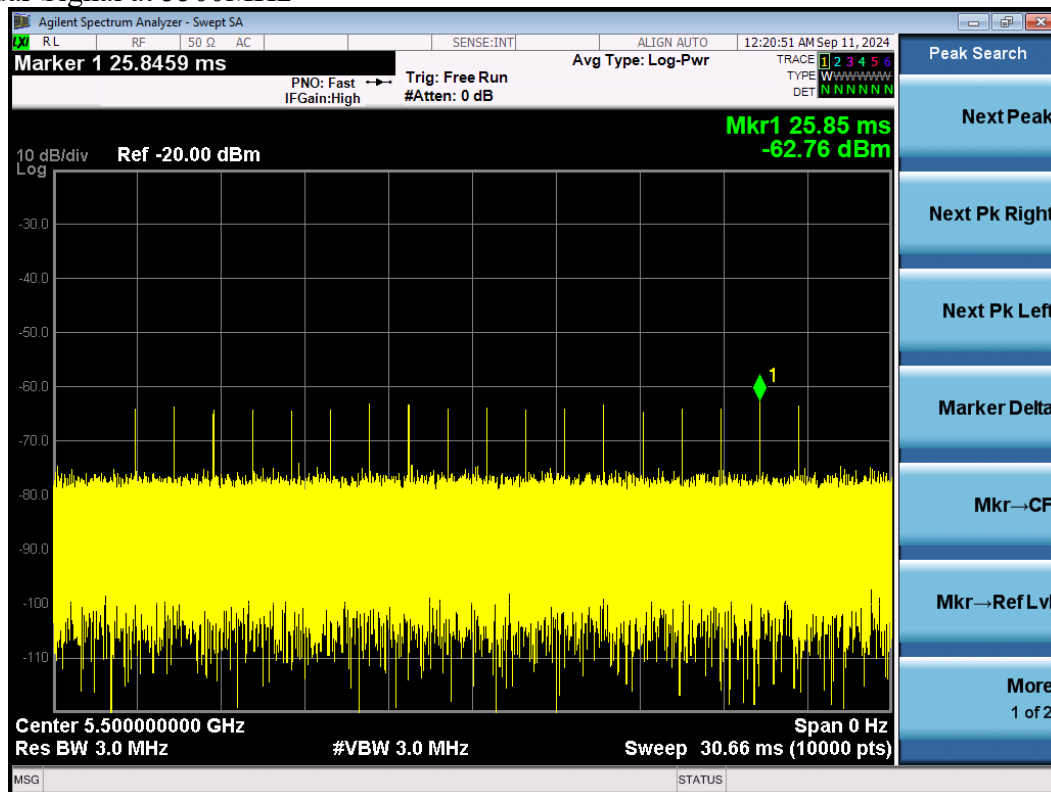
3.10 Dynamic Frequency Selection (DFS)

3.10.1 DFS Detection Threshold

Test date: September 10, 2024-October 06, 2024
Temperature: 26.8 °C
Humidity: 56.3 %
Tester: Sora

Radar Type

Type0 Radar Signal at 5500MHz

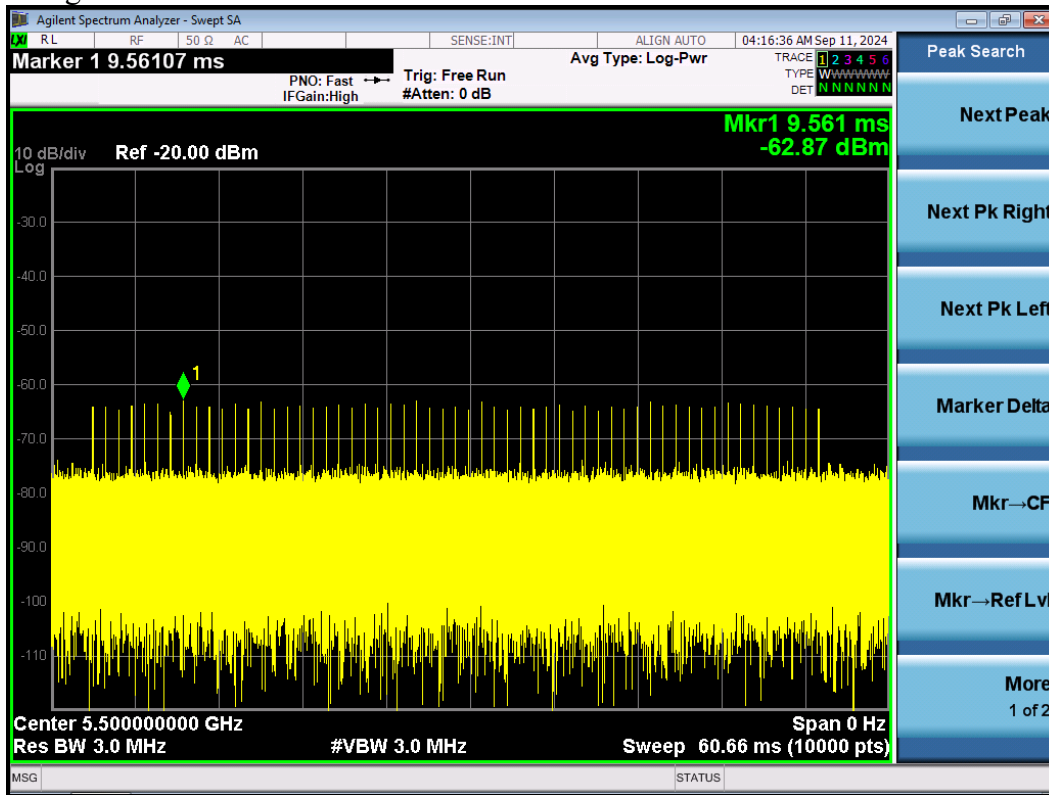




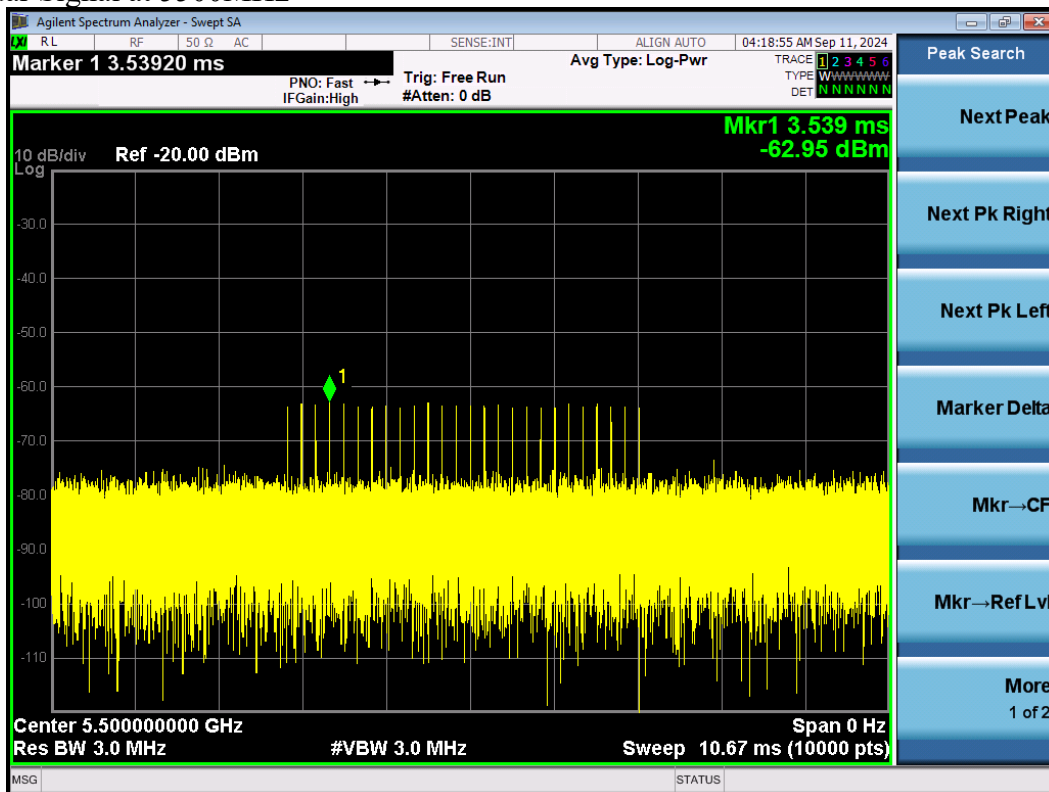
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type1 Radar Signal at 5500MHz



Type2 Radar Signal at 5500MHz

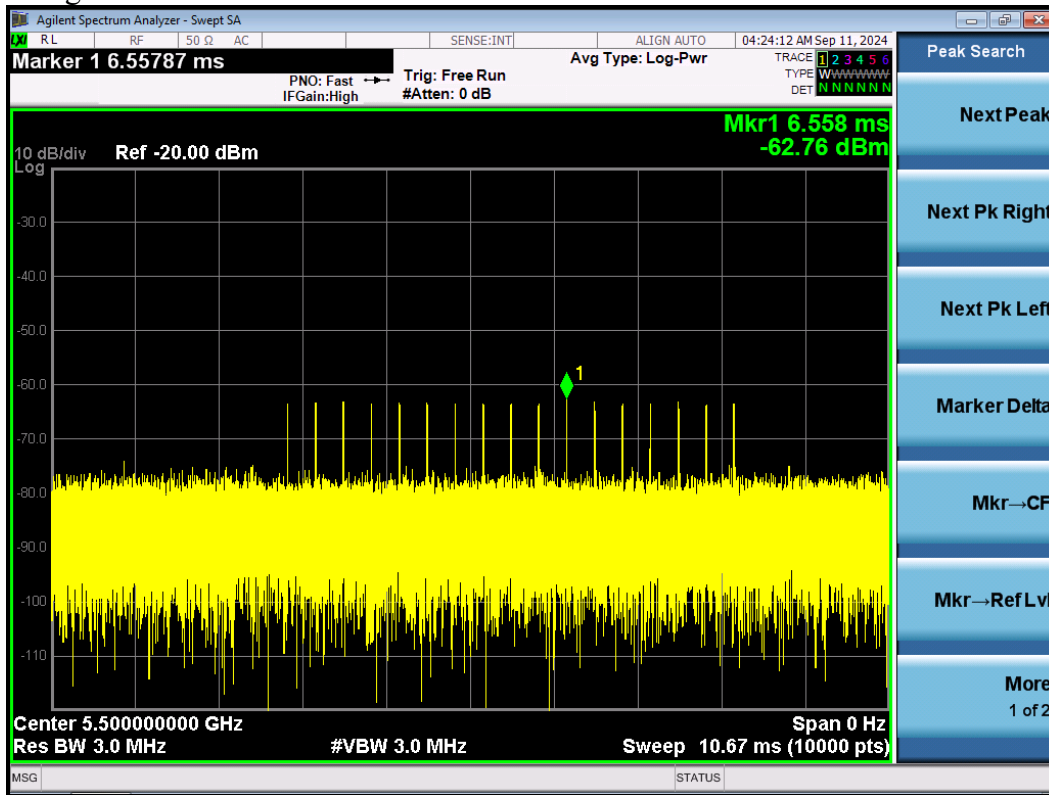




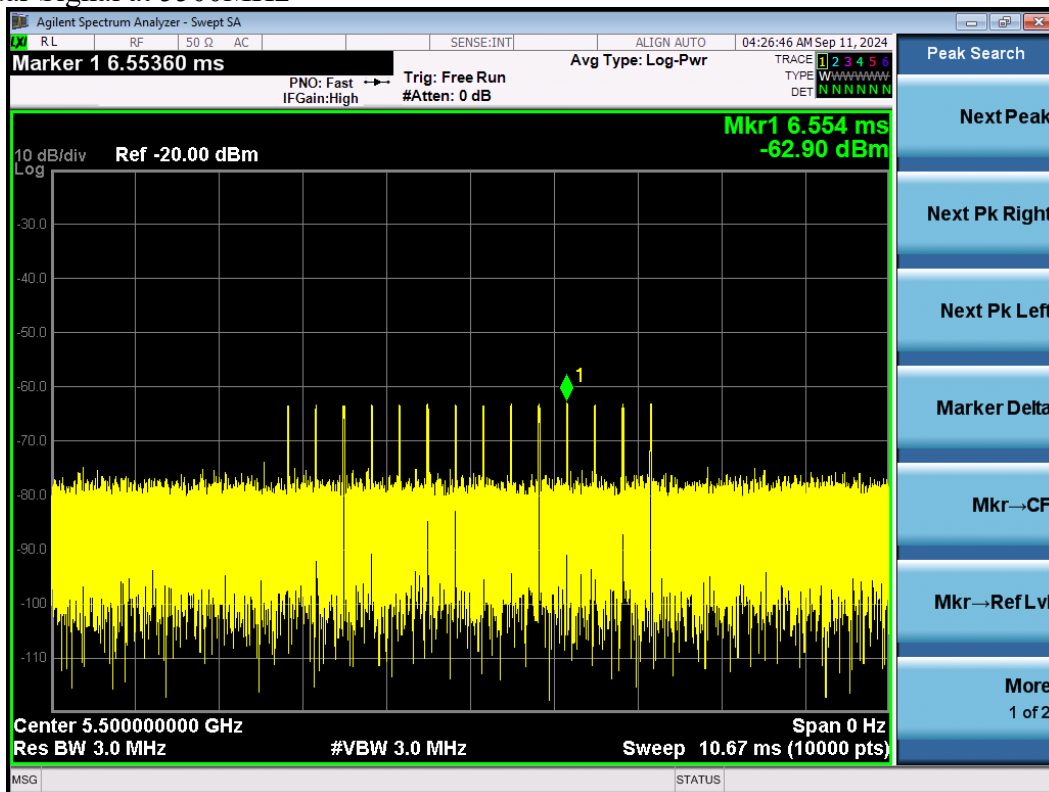
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type3 Radar Signal at 5500MHz



Type4 Radar Signal at 5500MHz

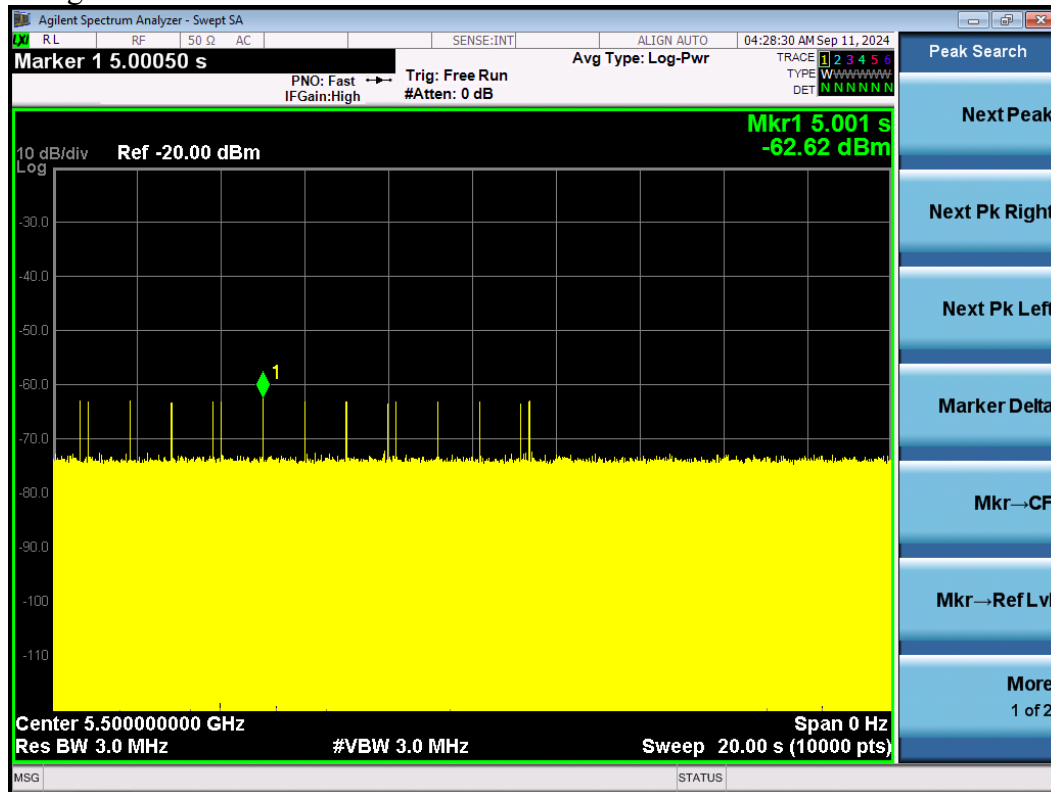




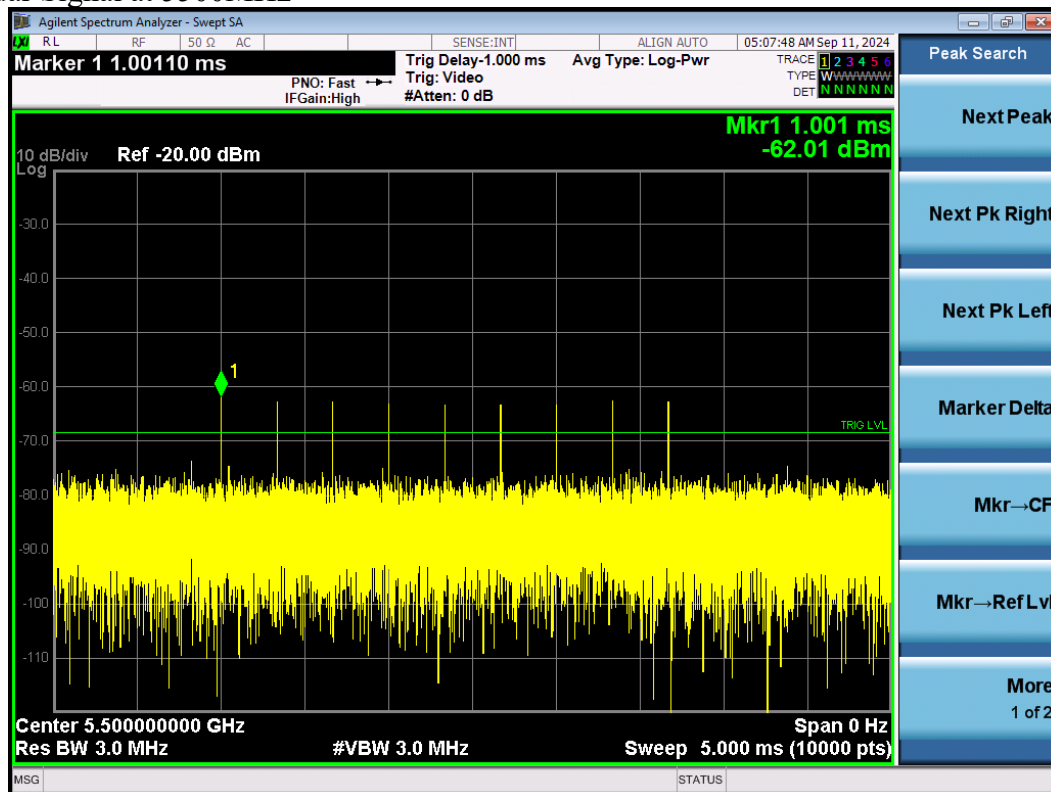
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type5 Radar Signal at 5500MHz



Type6 Radar Signal at 5500MHz

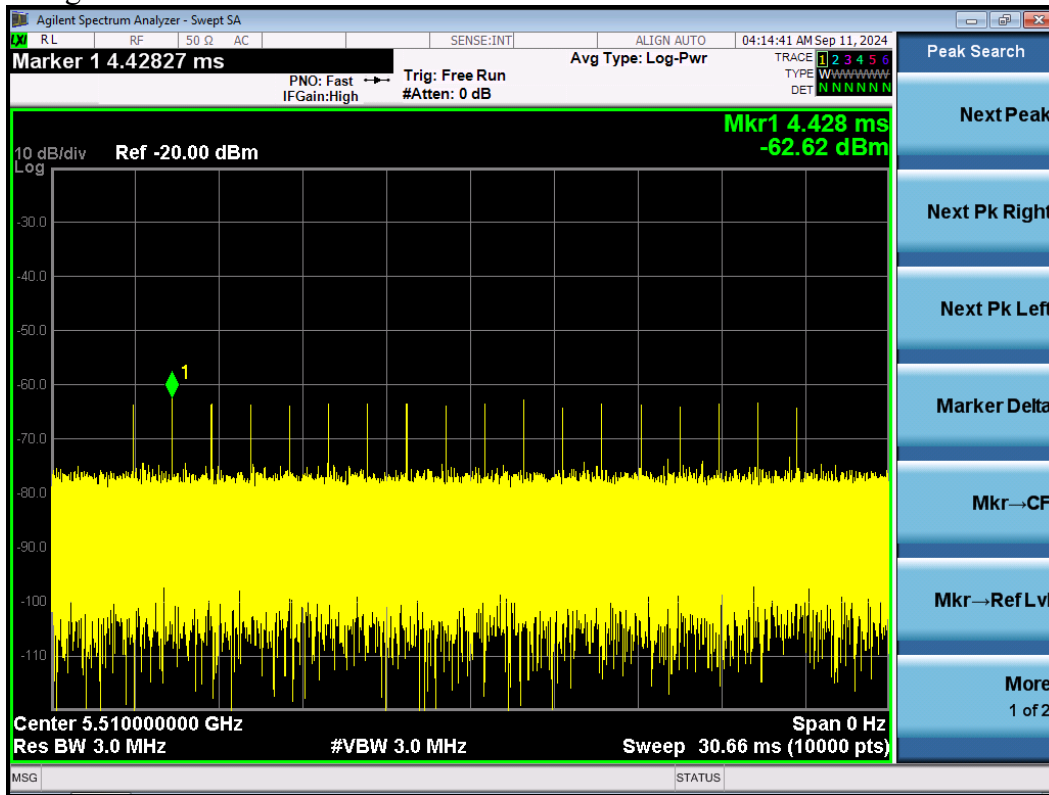




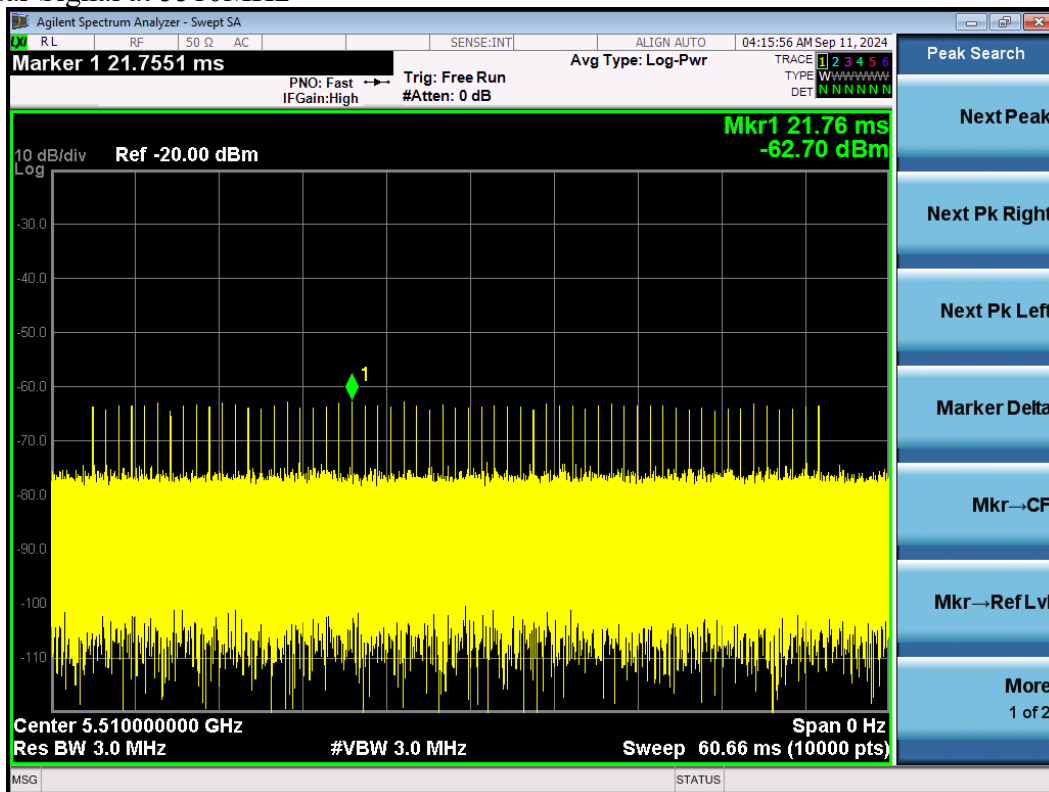
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type0 Radar Signal at 5510MHz



Type1 Radar Signal at 5510MHz

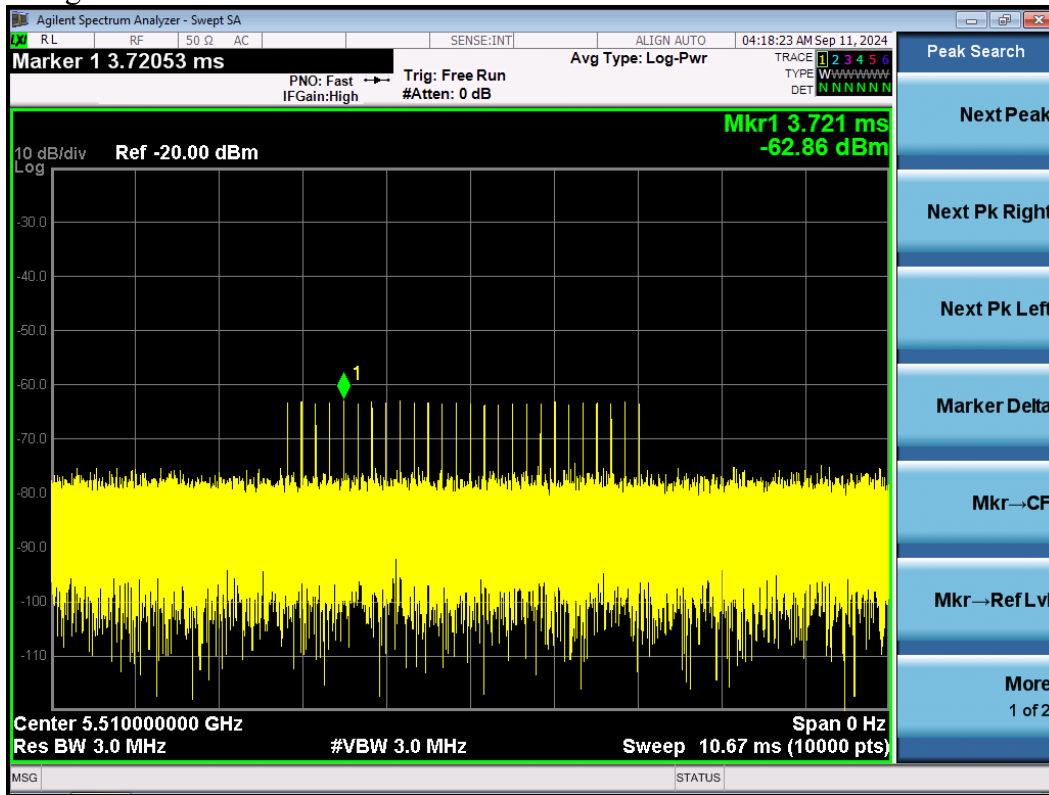




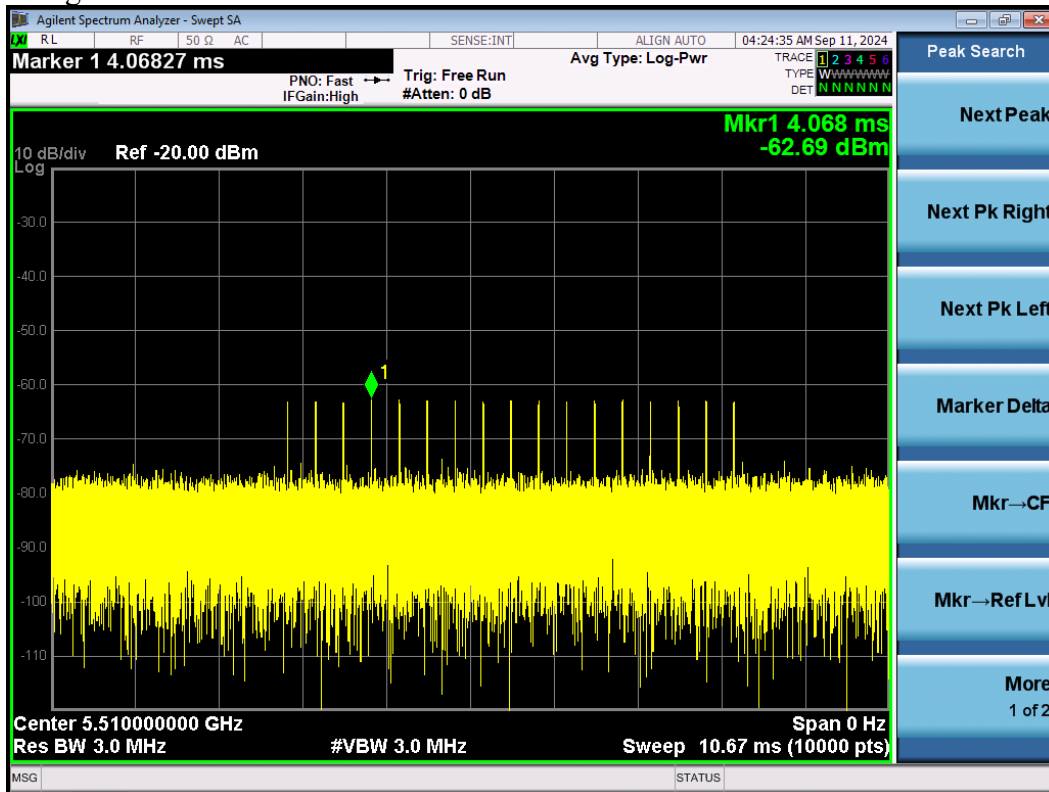
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type2 Radar Signal at 5510MHz



Type3 Radar Signal at 5510MHz

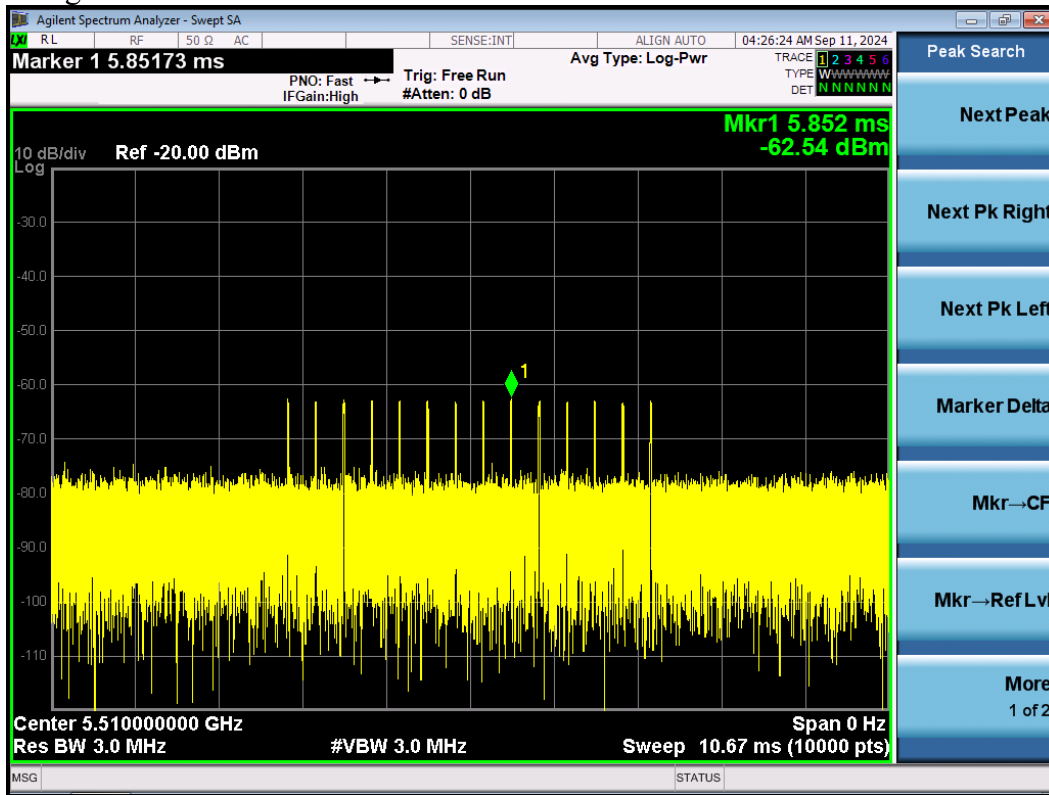




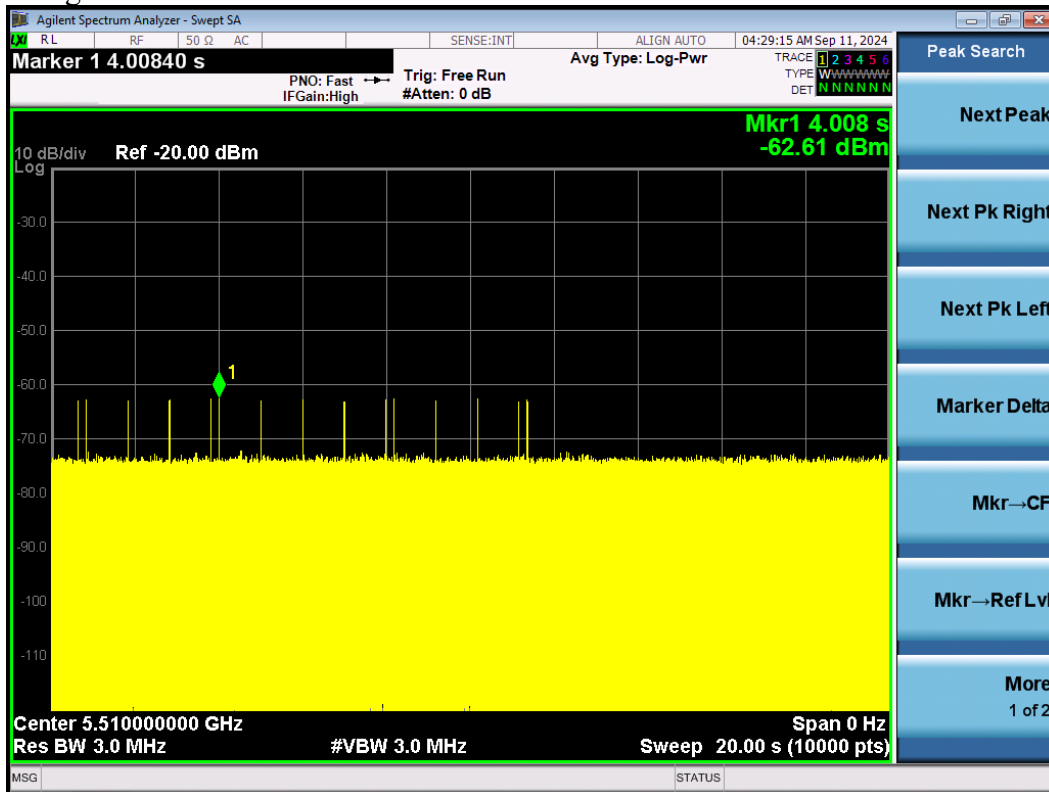
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type4 Radar Signal at 5510MHz



Type5 Radar Signal at 5510MHz

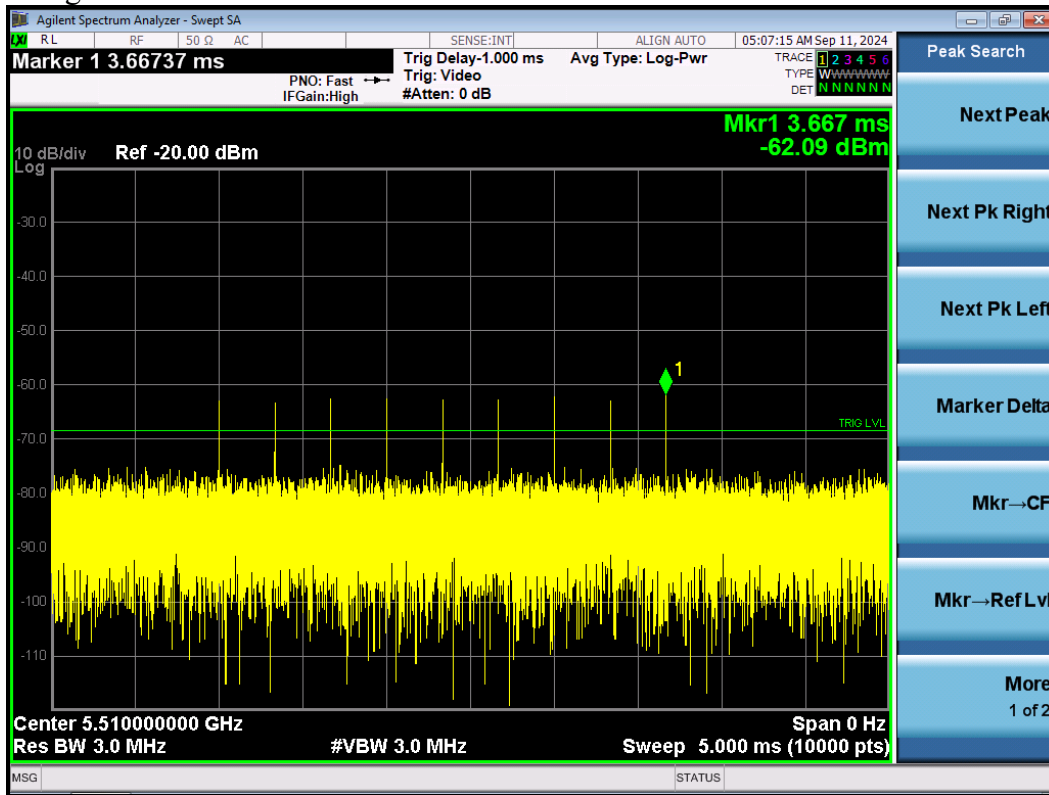




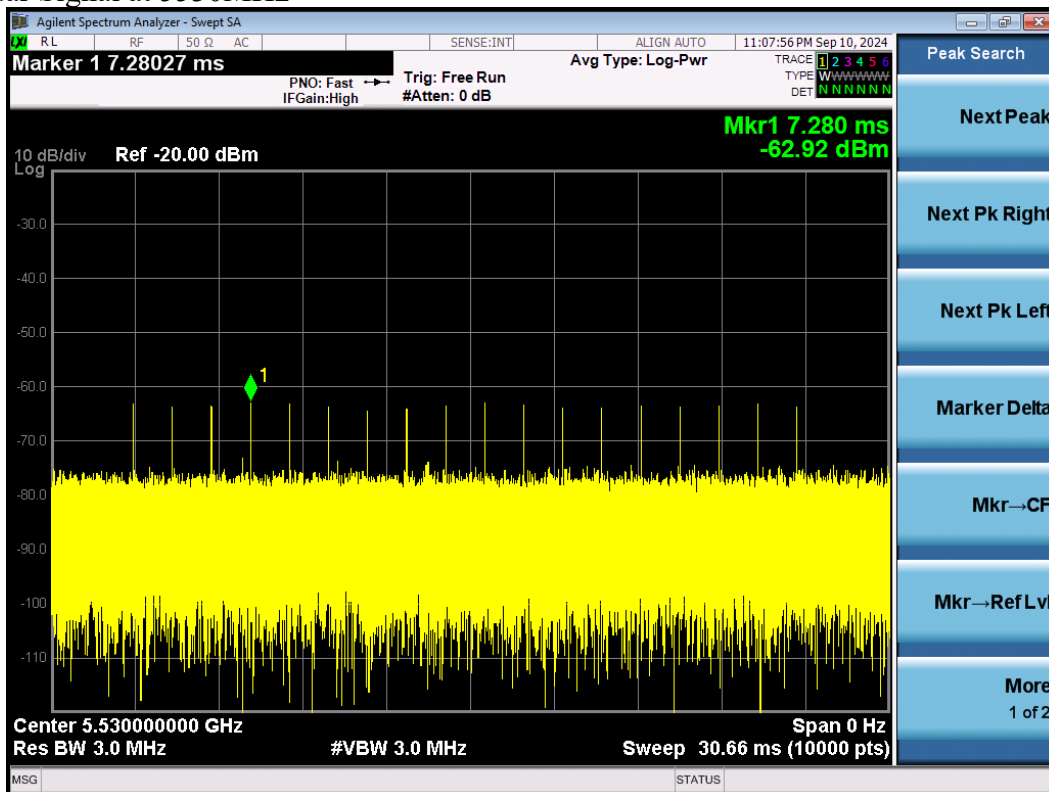
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type6 Radar Signal at 5510MHz



Type0 Radar Signal at 5530MHz

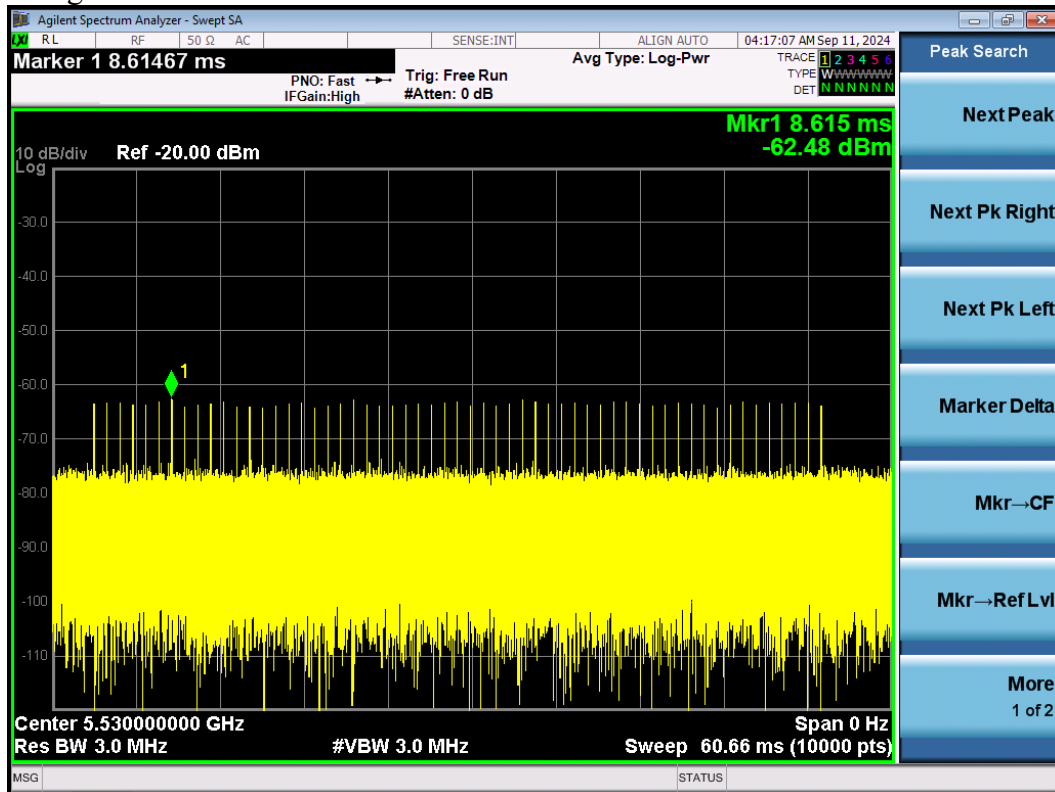




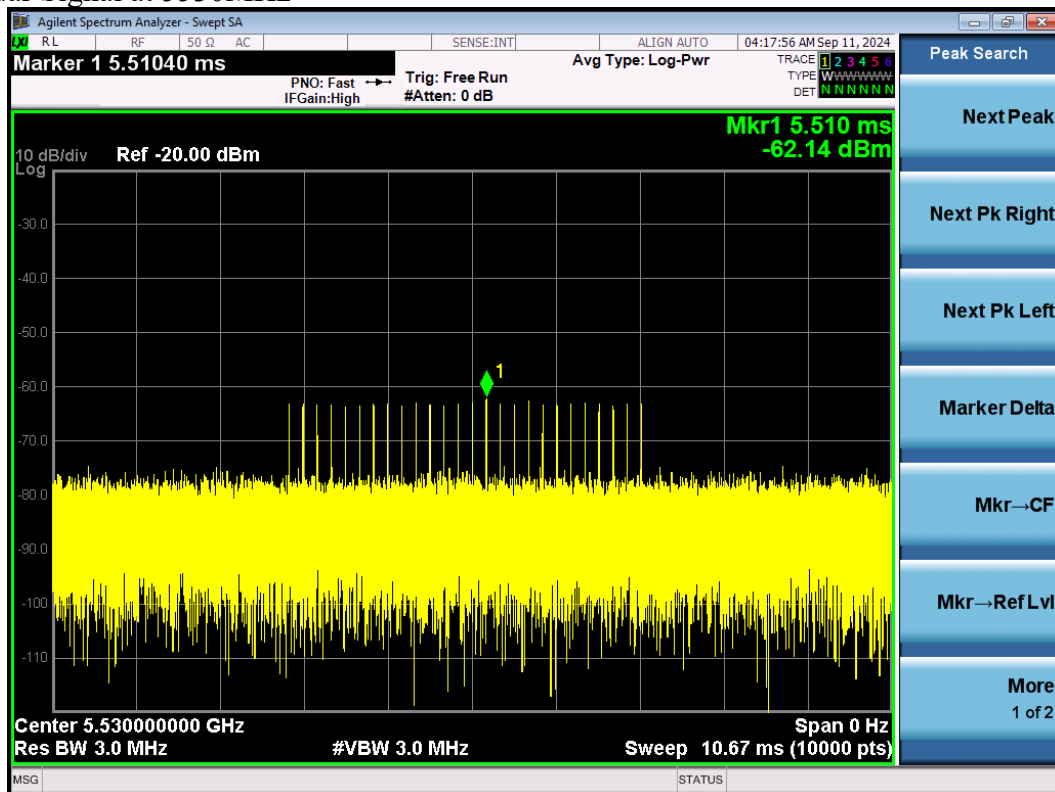
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type1 Radar Signal at 5530MHz



Type2 Radar Signal at 5530MHz

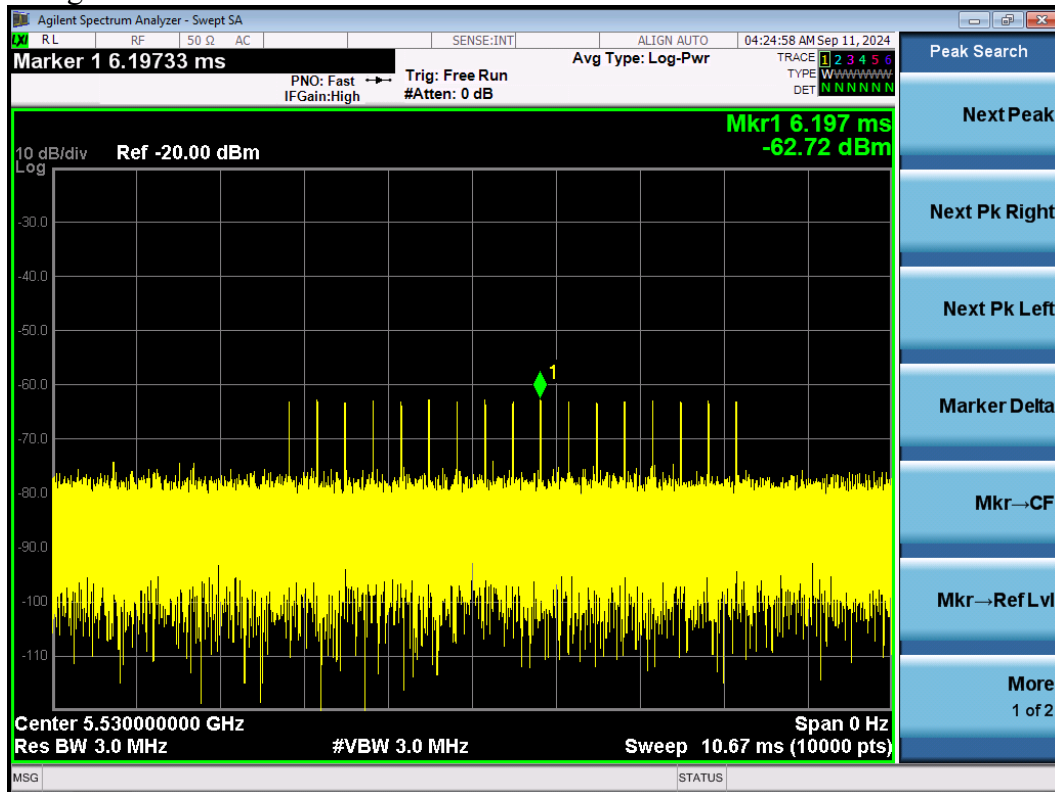




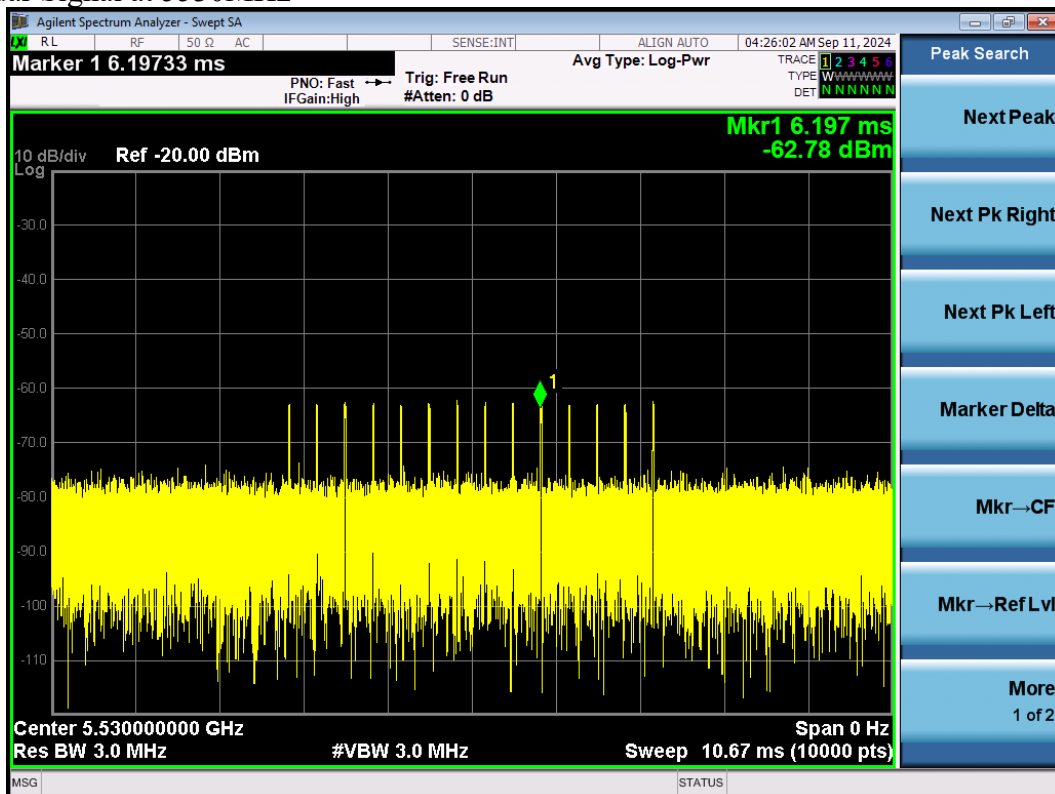
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type3 Radar Signal at 5530MHz



Type4 Radar Signal at 5530MHz

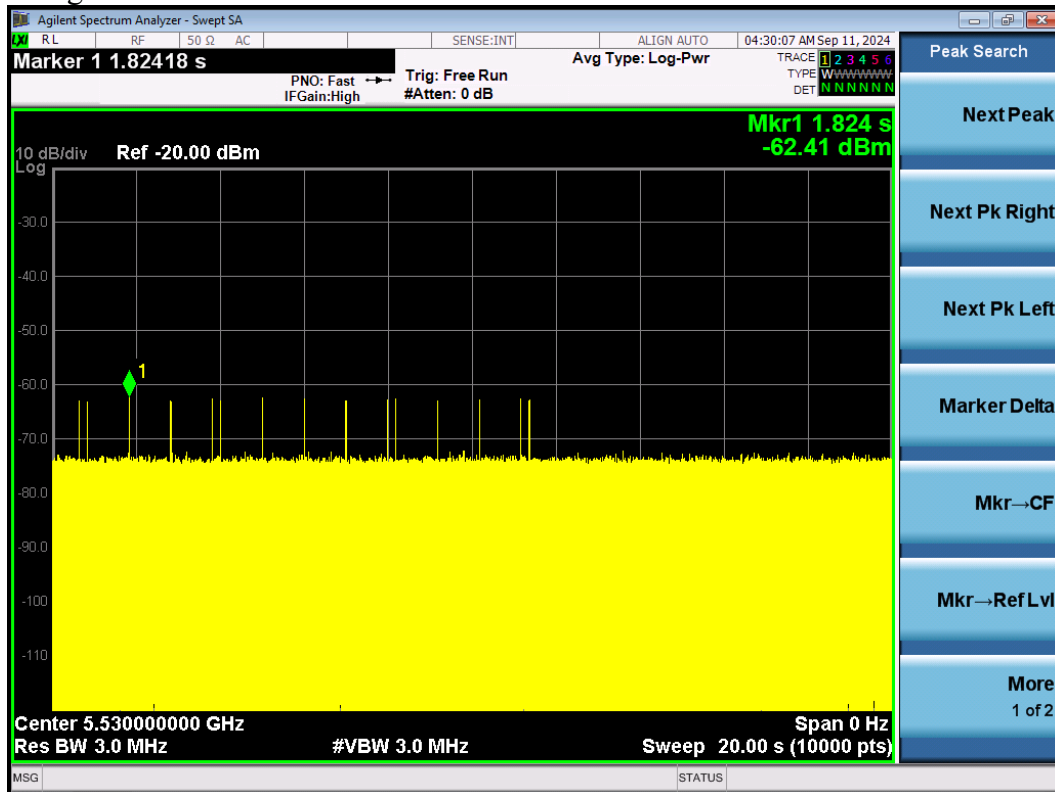




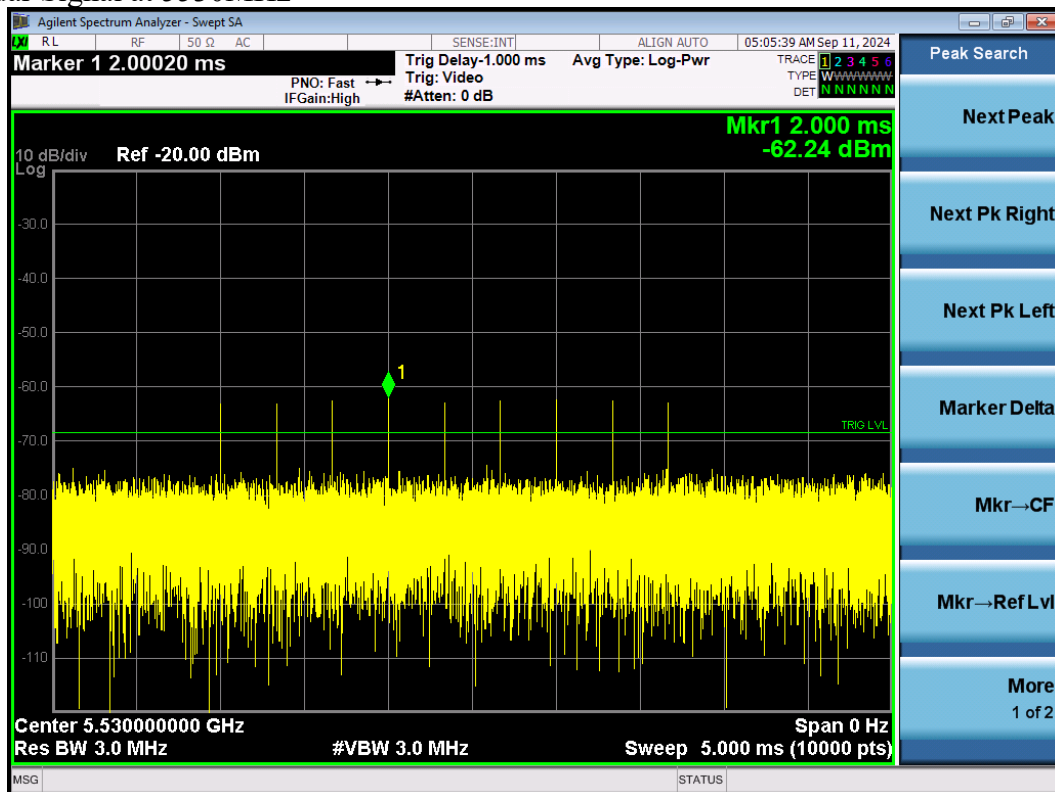
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type5 Radar Signal at 5530MHz



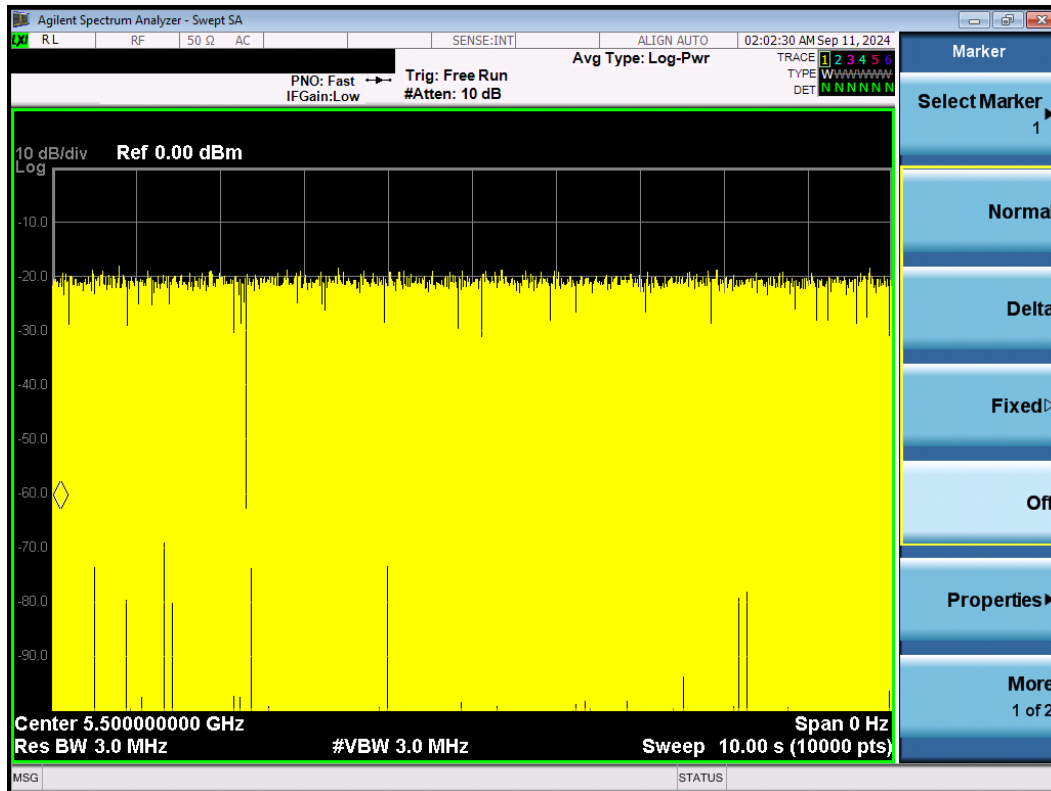
Type6 Radar Signal at 5530MHz



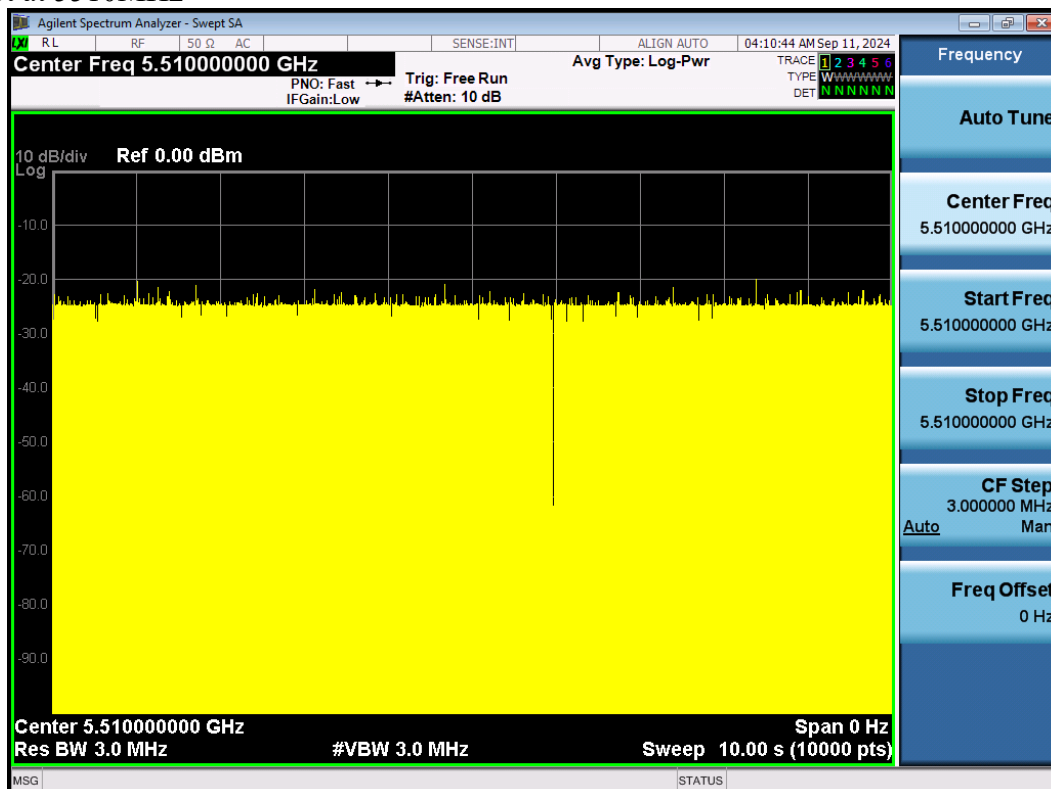
Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Traffic plot

Traffic Plot at 5500MHz



Traffic Plot at 5510MHz

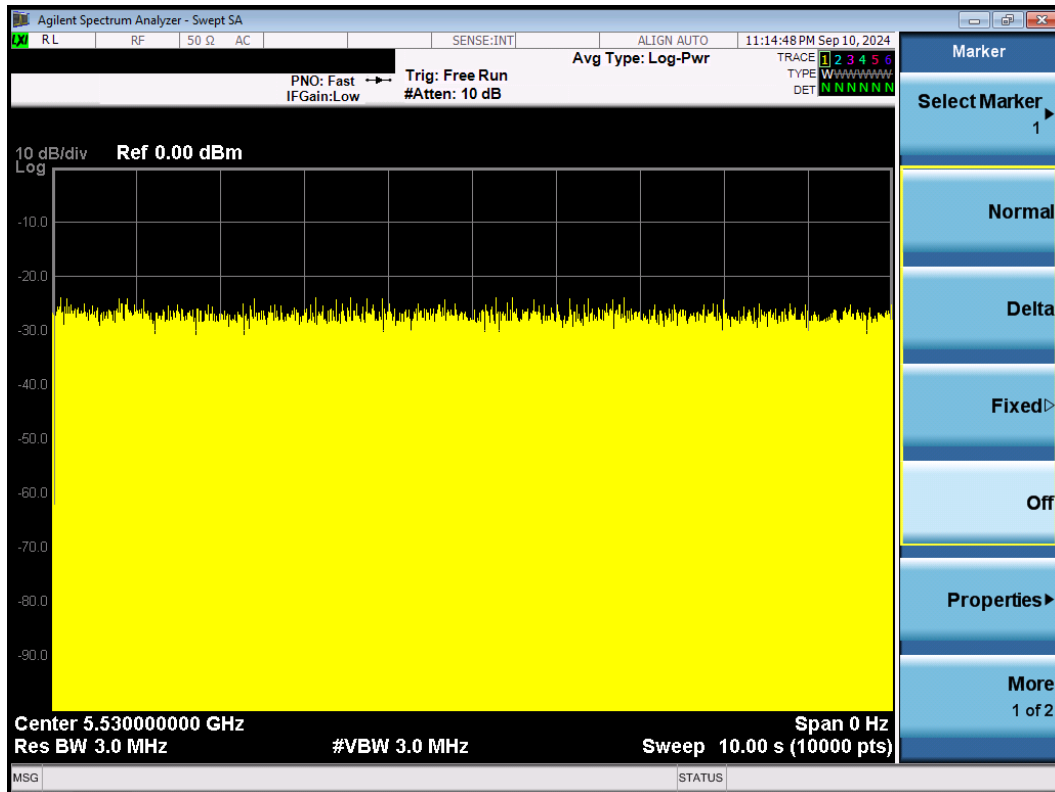




Registration number: W6M22405-23479-C-55

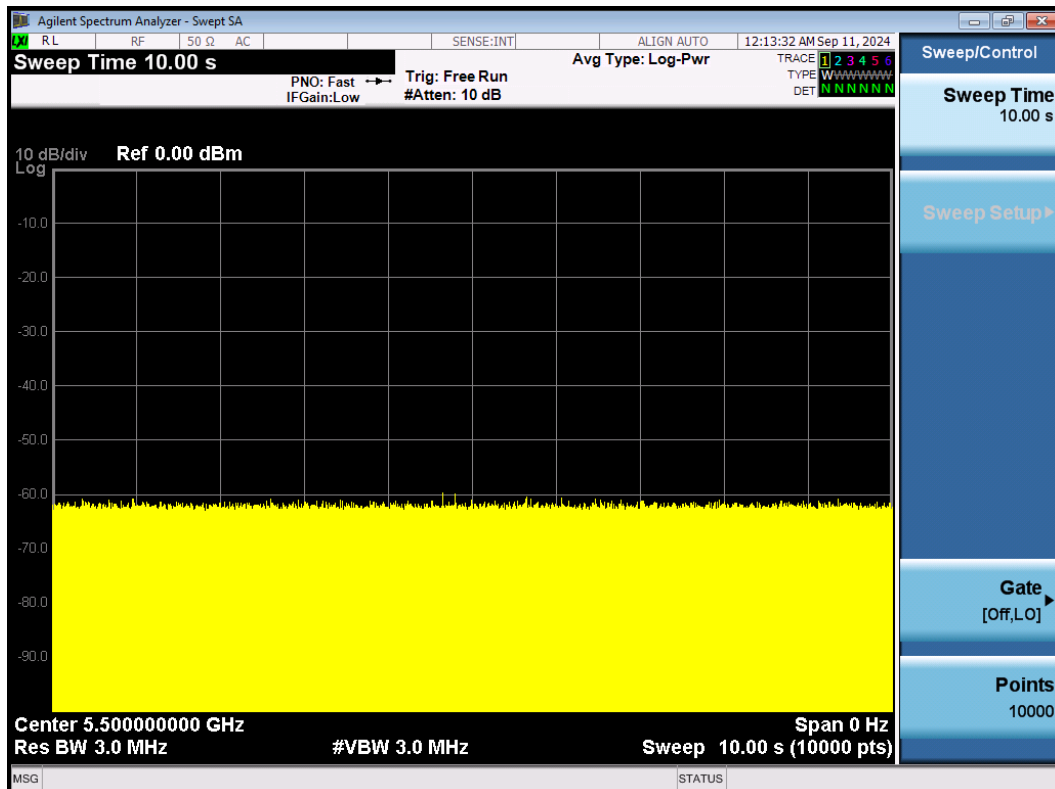
FCC ID: 2AG3J-WRPT50001

Traffic Plot at 5530MHz



Non Traffic Plot

Non-Traffic Plot at 5500MHz

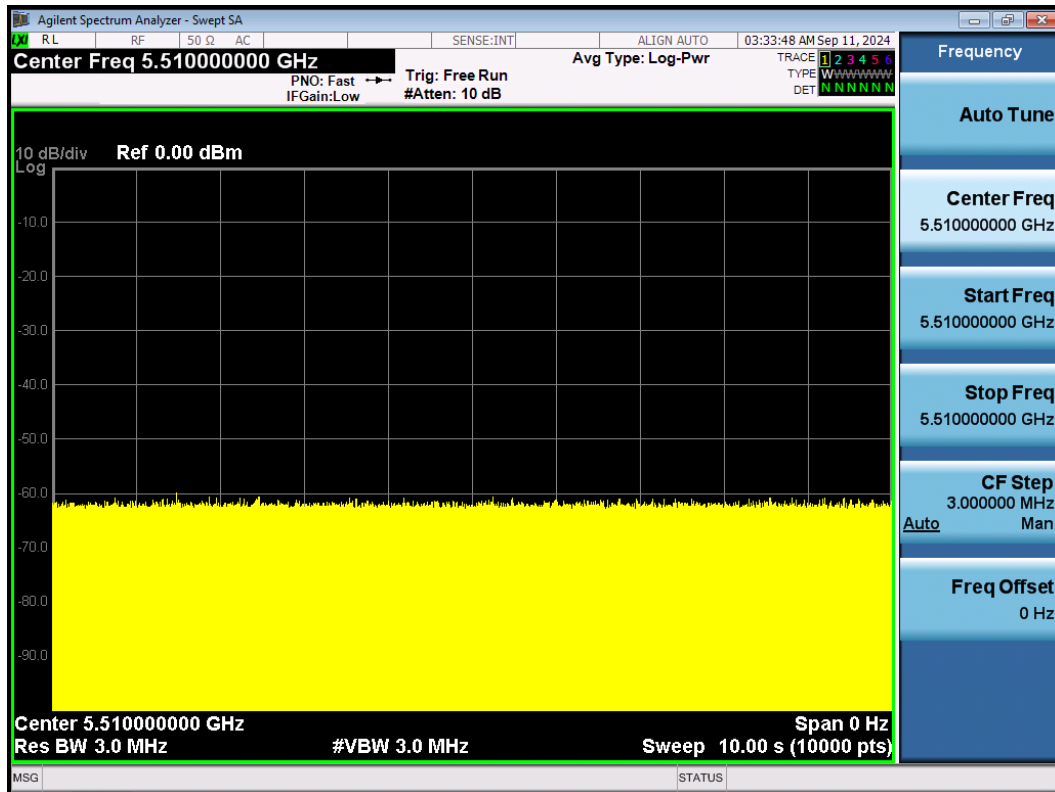




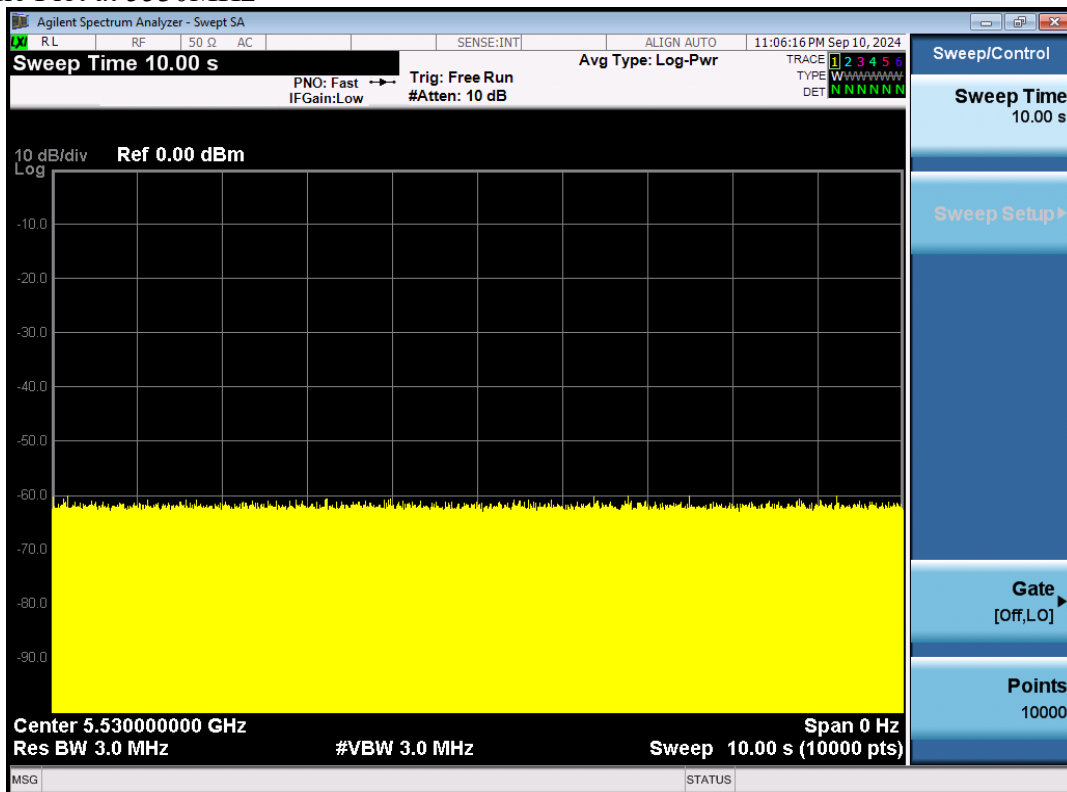
Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Non-Traffic Plot at 5510MHz



Non-Traffic Plot at 5530MHz





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Registration number: W6M22405-23479-C-55

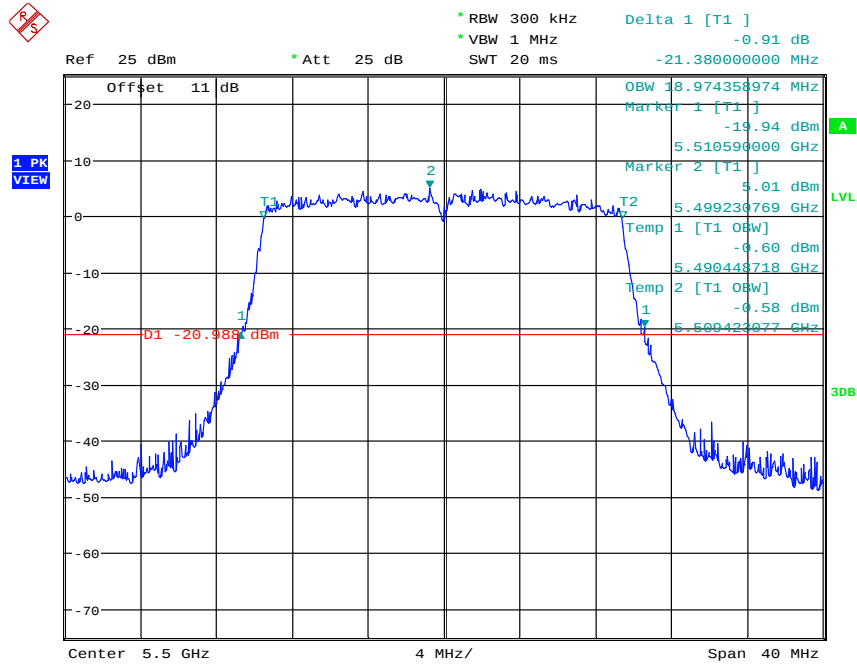
FCC ID: 2AG3J-WRPT50001

3.10.2 UNII Detection Bandwidth

EUT Frequency=5500MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490(FL)	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500(FC)	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510(FH)	1	1	1	1	1	1	1	1	1	1	100%
5511	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = FH-FL = 5510MHz-5490MHz = 20MHz											
UNII Detection Bandwidth Min. Limit (MHz) = EUT 99% Bandwidth = 18.974358974MHz (see note)											



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



99% OBW& 26dB Bandwidth ANT_1_ax20_CH100
Date: 6.OCT.2024 09:55:17

EUT Frequency=5510MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490(FL)	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510(FC)	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%

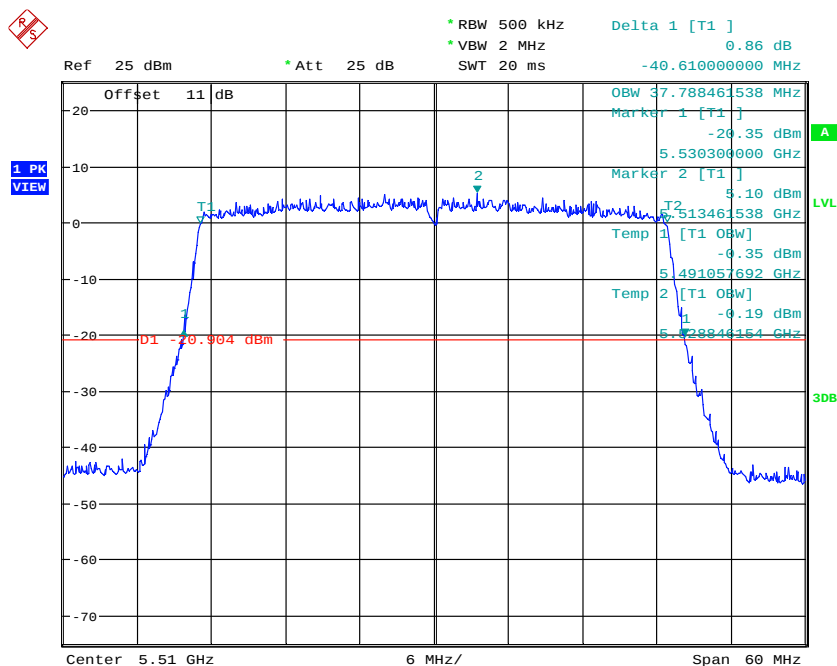


Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529	1	1	1	1	1	1	1	1	1	1	100%
5530(FH)	1	1	1	1	1	1	1	1	1	1	100%
5531	0	0	0	0	0	0	0	0	0	0	0%

Detection Bandwidth = FH-FL = 5530MHz-5490MHz = 40MHz

UNII Detection Bandwidth Min. Limit (MHz) = EUT 99% Bandwidth = 37.788461538MHz (see note)



99% OBW& 26dB Bandwidth ANT_1_ax40_CH102
Date: 6.OCT.2024 09:59:54



Worldwide Testing Services(Taiwan) Co., Ltd.

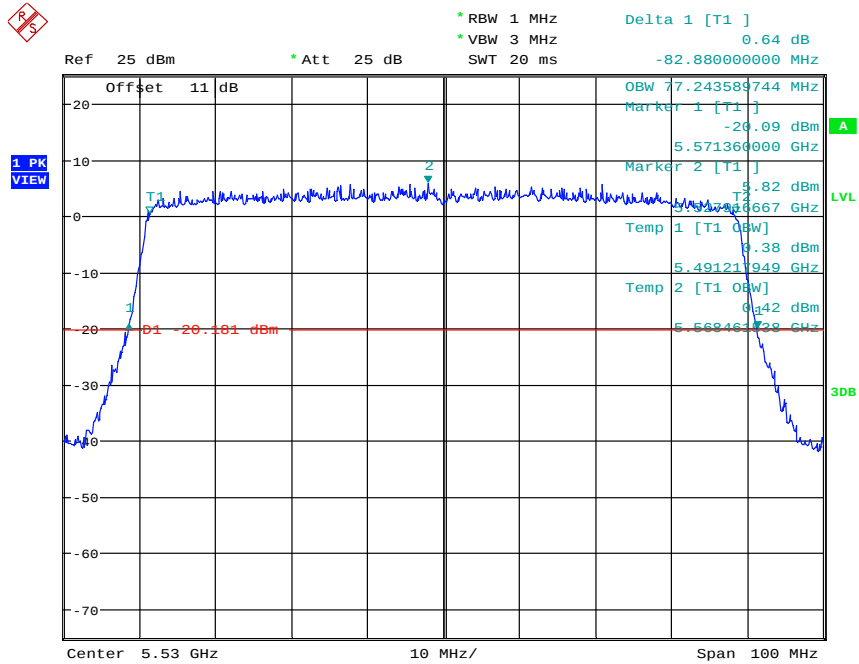
Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

EUT Frequency=5510MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, 0= No Detection)										Detection Rate (%)
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490(FL)	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5530(FC)	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5550	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5566	1	1	1	1	1	1	1	1	1	1	100%
5567	1	1	1	1	1	1	1	1	1	1	100%
5568	1	1	1	1	1	1	1	1	1	1	100%
5569	1	1	1	1	1	1	1	1	1	1	100%
5570(FH)	1	1	1	1	1	1	1	1	1	1	100%
5571	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = FH-FL = 5570MHz-5490MHz = 80MHz											
UNII Detection Bandwidth Min. Limit (MHz) = EUT 99% Bandwidth = 77.243589744MHz (see note)											



Worldwide Testing Services(Taiwan) Co., Ltd.

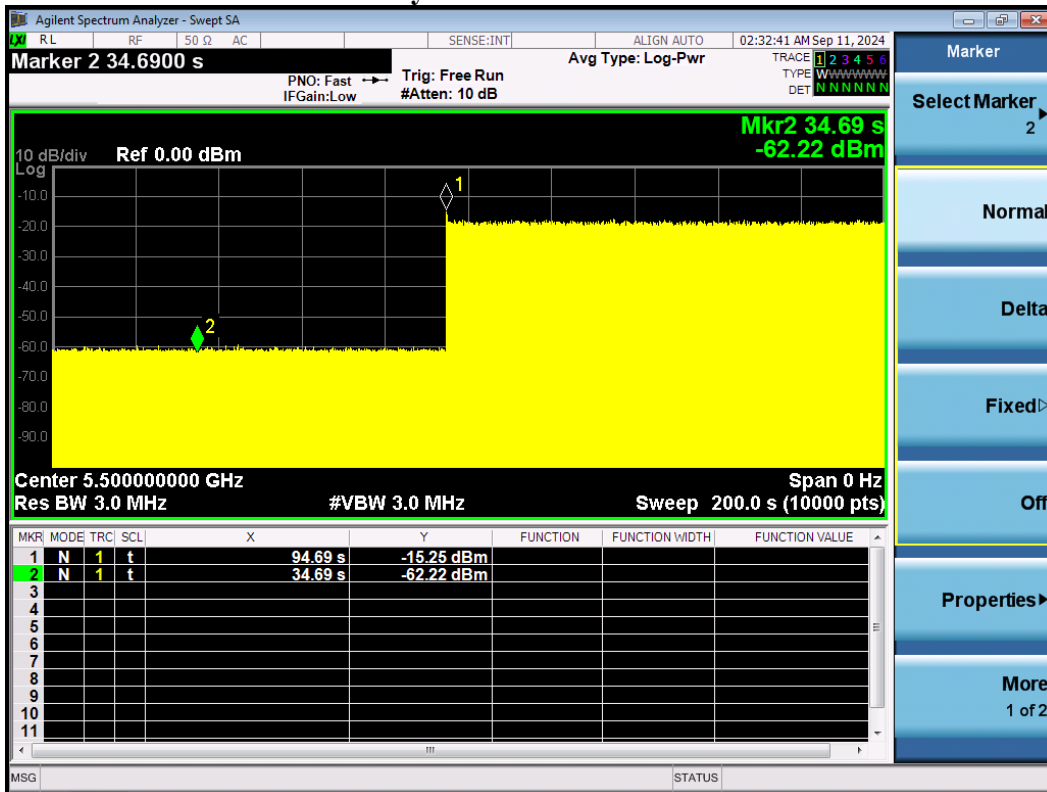
Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001



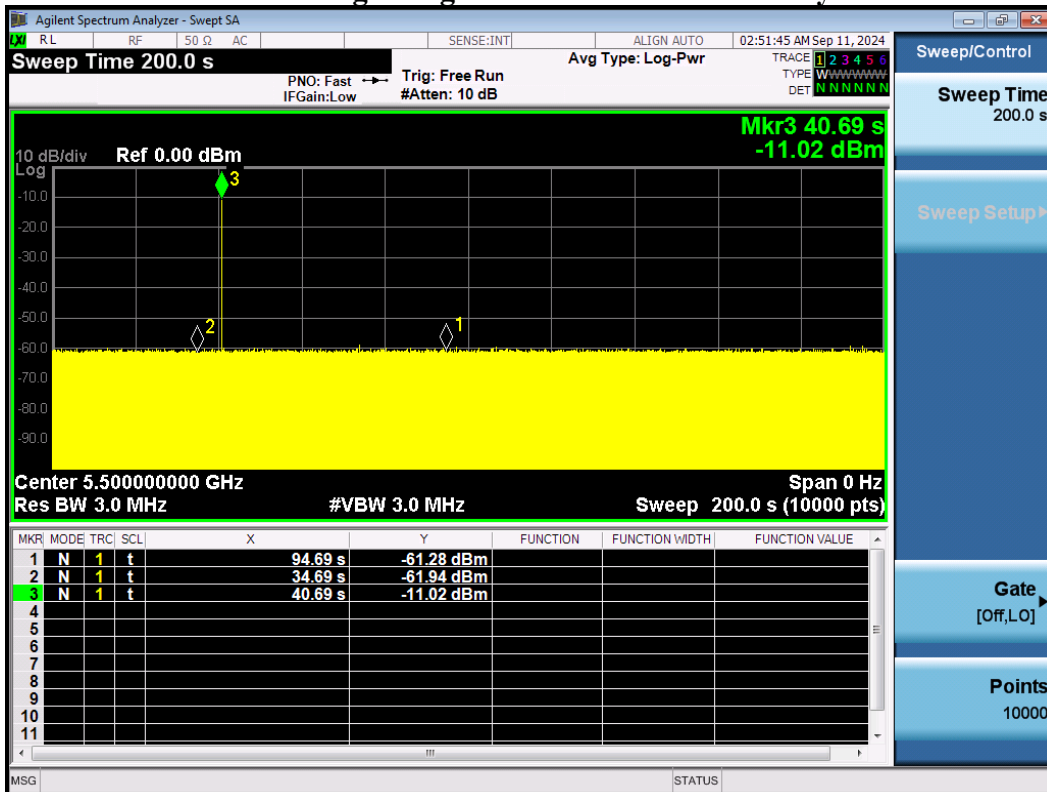
99% OBW& 26dB Bandwidth ANT_1_ax80_CH106
Date: 6.OCT.2024 10:05:39

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

3.10.3 Initial Channel Availability Check Time-5500 MHz



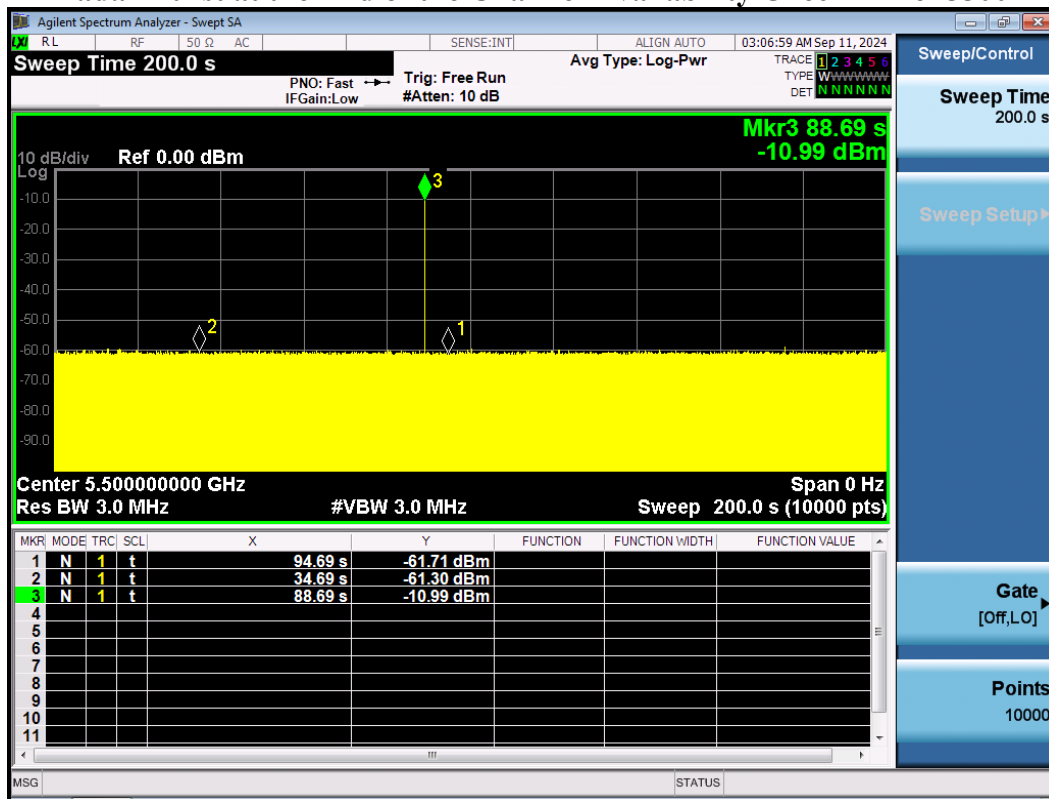
3.10.4 Radar Burst at the Beginning of the Channel Availability Check Time-5500 MHz





Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

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



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

Result :
Test date: September 10, 2024-September 11, 2024
Temperature: 27.2 °C
Humidity:46.5 %
Tester: Sora

Parameter (at 5530MHz)	Test Result	Limit
	Type0	
Channel Move Time (ms)	1.056s	<10s
Channel Close Transmission Time (ms)	30ms	< 60ms
30Minutes Non-Occupancy Time	Pass	>1800s

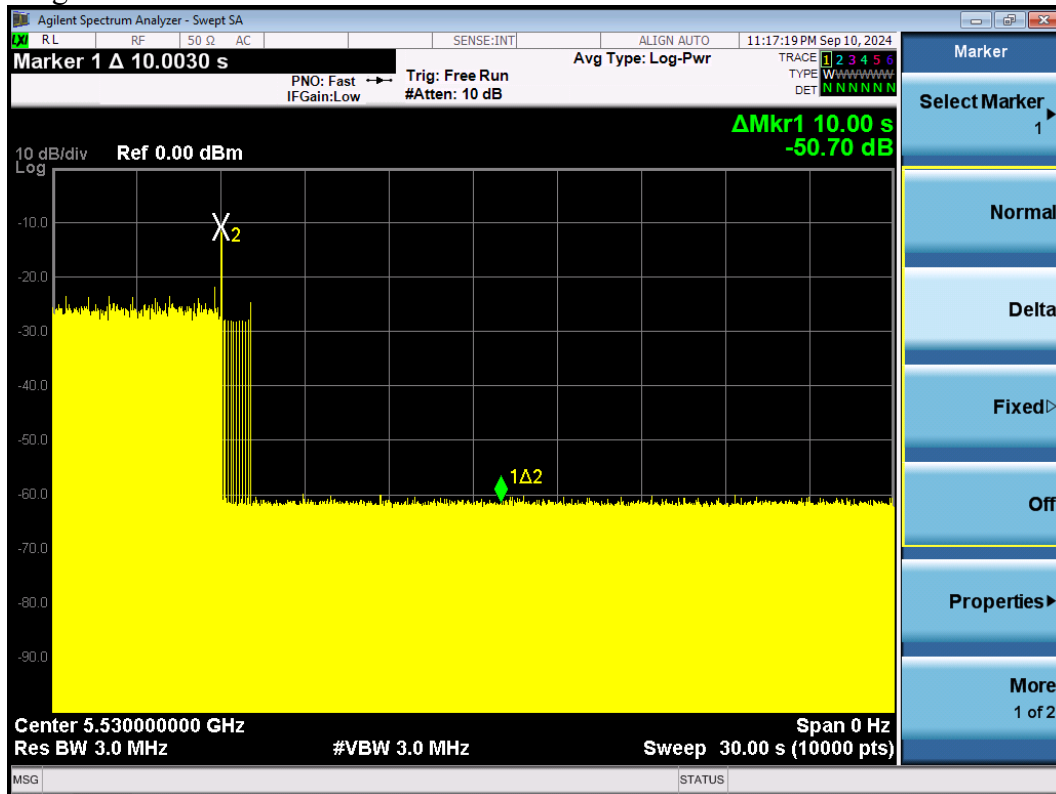
Note: The Channel Close Transmission Time is compromised 200 milliseconds starting at the beginning of the Channel Move Time plus the additional intermittent control signal required to facilitate channel-move operation (an aggregate of 60milliseconds) during the remainder of the 10seconds period.



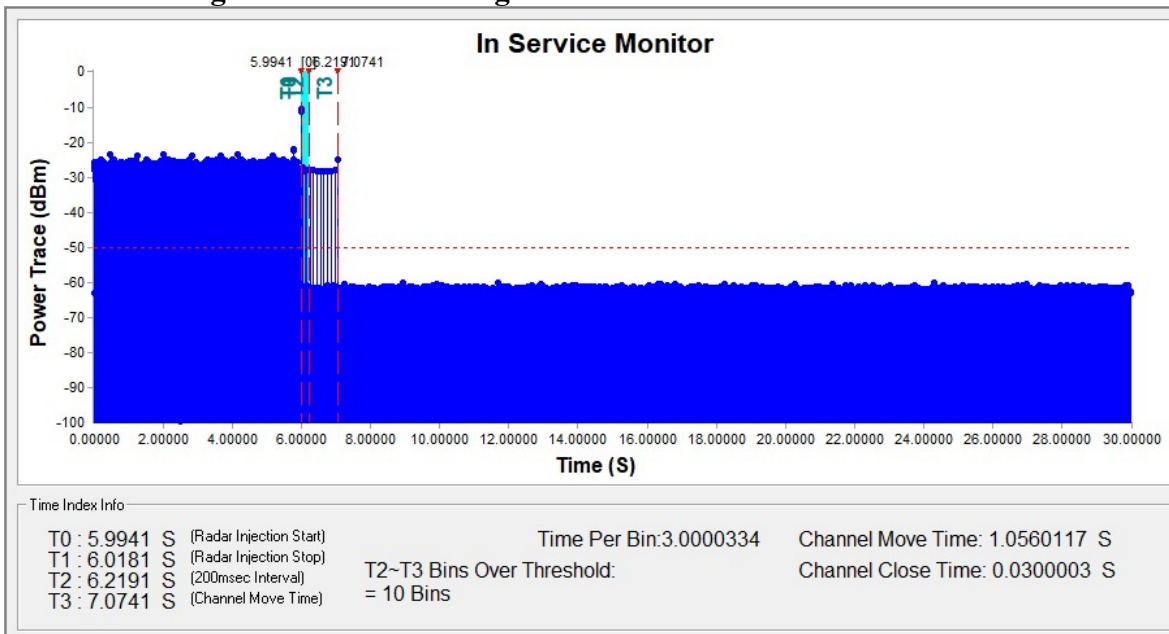
Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

In-Service Monitoring Channel Move Time

Type0 radar signal at 5530MHz



In-Service Monitoring for Channel Closing Transmission Time

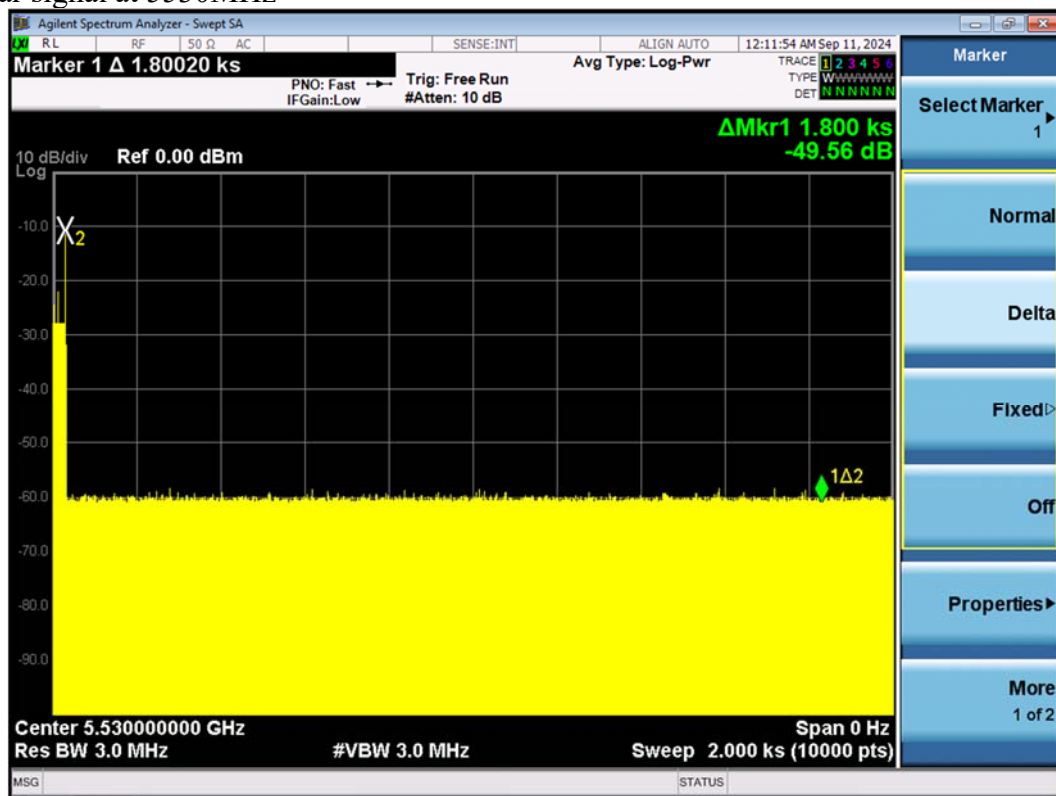


Frequency (MHz)	Bandwidth (MHz)	Radar Type	Test Result (ms)	Limit	Result
5530	80	Type 0	30	60ms	Compliance



Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

In-Service Monitoring for Non-Occupancy Period
Type0 radar signal at 5530MHz





Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

3.10.7 Statistical Performance Check

Modulation Mode: 802.11ax20

Type 1 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5500	1	938	57	1
2	5500	1	698	76	1
3	5500	1	618	86	1
4	5500	1	538	99	1
5	5500	1	878	61	1
6	5500	1	3066	18	1
7	5500	1	638	83	1
8	5500	1	918	58	1
9	5500	1	838	63	1
10	5500	1	858	62	1
11	5500	1	798	67	1
12	5500	1	718	74	0
13	5500	1	578	92	1
14	5500	1	598	89	1
15	5500	1	558	95	1
16	5500	1	2536	21	1
17	5500	1	966	55	1
18	5500	1	827	64	1
19	5500	1	2501	22	1
20	5500	1	2595	21	1
21	5500	1	1114	48	1
22	5500	1	1302	41	1
23	5500	1	3045	18	1
24	5500	1	1624	33	1
25	5500	1	2878	19	1
26	5500	1	1027	52	1
27	5500	1	2485	22	1
28	5500	1	1600	33	1
29	5500	1	1172	46	1
30	5500	1	1177	45	1
Detection Percentage (%)					97%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 2 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5500	3.2	179	26	1
2	5500	1.1	207	23	1
3	5500	2.1	230	24	1
4	5500	4.8	200	29	1
5	5500	3.9	214	28	1
6	5500	2.9	222	26	1
7	5500	3.2	204	26	1
8	5500	2.5	192	25	1
9	5500	3.1	164	26	1
10	5500	1.2	156	23	1
11	5500	3.9	210	27	1
12	5500	4.6	201	29	1
13	5500	3.2	162	26	1
14	5500	2.2	197	25	1
15	5500	4.5	163	29	1
16	5500	3	203	26	1
17	5500	5	168	29	1
18	5500	2.4	217	25	1
19	5500	2.9	191	26	1
20	5500	2.3	166	25	1
21	5500	3.7	150	27	1
22	5500	2.2	176	25	1
23	5500	4.9	195	29	1
24	5500	2.9	202	26	1
25	5500	2.5	178	25	1
26	5500	1.1	206	23	1
27	5500	3.8	155	27	1
28	5500	4.7	157	29	1
29	5500	2.4	224	25	1
30	5500	4.2	159	28	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 3 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5500	8.2	355	17	1
2	5500	6.1	487	16	1
3	5500	7.1	344	16	1
4	5500	9.8	288	18	1
5	5500	8.9	230	18	1
6	5500	7.9	432	17	1
7	5500	8.2	207	17	1
8	5500	7.5	443	17	1
9	5500	8.1	439	17	1
10	5500	6.2	223	16	1
11	5500	8.9	208	18	1
12	5500	9.6	463	18	1
13	5500	8.2	441	17	1
14	5500	7.2	323	16	1
15	5500	9.5	297	18	1
16	5500	8	412	17	1
17	5500	10	324	18	1
18	5500	7.4	271	17	1
19	5500	7.9	349	17	1
20	5500	7.3	409	16	1
21	5500	8.7	373	18	1
22	5500	7.2	254	16	1
23	5500	9.9	274	18	1
24	5500	7.9	278	17	1
25	5500	7.5	317	17	1
26	5500	6.1	260	16	1
27	5500	8.8	211	18	1
28	5500	9.7	272	18	1
29	5500	7.4	264	17	1
30	5500	9.2	284	18	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type 4 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5500	16	355	14	1
2	5500	11.3	487	12	1
3	5500	13.5	344	13	1
4	5500	19.4	288	16	1
5	5500	17.5	230	15	1
6	5500	15.3	432	14	1
7	5500	15.9	207	14	1
8	5500	14.3	443	13	1
9	5500	15.8	439	14	1
10	5500	11.5	223	12	1
11	5500	17.4	208	15	1
12	5500	19	463	16	1
13	5500	16	441	14	1
14	5500	13.8	323	13	1
15	5500	18.9	297	16	1
16	5500	15.5	412	14	1
17	5500	19.9	324	16	1
18	5500	14.1	271	13	1
19	5500	15.2	349	14	1
20	5500	13.8	409	13	1
21	5500	17.1	373	15	1
22	5500	13.8	254	13	1
23	5500	19.8	274	16	1
24	5500	15.3	278	14	1
25	5500	14.5	317	13	1
26	5500	11.3	260	12	1
27	5500	17.3	211	15	1
28	5500	19.2	272	16	1
29	5500	14.2	264	13	1
30	5500	18.2	284	15	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 5 Radar Statistical Performance

Center Freq(MHz)	Low Edge(MHz)	High Edge(MHz)	Test Freq (MHz)	1=Detection 0=No Detection
Trail #	Chirp	offset		
1	13	--	5500	1
2	12	--	5500	1
3	12	--	5500	1
4	10	--	5500	1
5	10	--	5500	1
6	18	--	5500	1
7	19	--	5500	1
8	5	--	5500	1
9	6	--	5500	1
10	9	--	5500	1
11	12	4.8	5494.8	1
12	20	8	5498	1
13	7	2.8	5492.8	1
14	13	5.2	5495.2	1
15	18	7.2	5497.2	1
16	13	5.2	5495.2	1
17	17	6.8	5496.8	1
18	16	6.4	5496.4	1
19	6	2.4	5492.4	1
20	17	6.8	5496.8	1
21	12	4.8	5505.2	1
22	14	5.6	5504.4	1
23	13	5.2	5504.8	1
24	5	2	5508	1
25	19	7.6	5502.4	1
26	10	4	5506	1
27	15	6	5504	1
28	16	6.4	5503.6	1
29	5	2	5508	1
30	15	6	5504	1
Detection Percentage (%)				100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 6 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses Per Hop	1=Detection 0=No Detection
1	5500	1	333.3	9	1
2	5500	1	333.3	9	1
3	5500	1	333.3	9	1
4	5500	1	333.3	9	1
5	5500	1	333.3	9	1
6	5500	1	333.3	9	1
7	5500	1	333.3	9	1
8	5500	1	333.3	9	1
9	5500	1	333.3	9	1
10	5500	1	333.3	9	1
11	5500	1	333.3	9	1
12	5500	1	333.3	9	1
13	5500	1	333.3	9	1
14	5500	1	333.3	9	1
15	5500	1	333.3	9	1
16	5500	1	333.3	9	1
17	5500	1	333.3	9	1
18	5500	1	333.3	9	1
19	5500	1	333.3	9	1
20	5500	1	333.3	9	1
21	5500	1	333.3	9	1
22	5500	1	333.3	9	1
23	5500	1	333.3	9	1
24	5500	1	333.3	9	1
25	5500	1	333.3	9	1
26	5500	1	333.3	9	1
27	5500	1	333.3	9	1
28	5500	1	333.3	9	1
29	5500	1	333.3	9	1
30	5500	1	333.3	9	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Modulation Mode: 802.11ax40

Type 1 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5510	1	938	57	1
2	5510	1	698	76	1
3	5510	1	618	86	1
4	5510	1	538	99	1
5	5510	1	878	61	1
6	5510	1	3066	18	1
7	5510	1	638	83	1
8	5510	1	918	58	1
9	5510	1	838	63	1
10	5510	1	858	62	1
11	5510	1	798	67	1
12	5510	1	718	74	0
13	5510	1	578	92	1
14	5510	1	598	89	1
15	5510	1	558	95	1
16	5510	1	2536	21	1
17	5510	1	966	55	1
18	5510	1	827	64	1
19	5510	1	2501	22	1
20	5510	1	2595	21	1
21	5510	1	1114	48	1
22	5510	1	1302	41	1
23	5510	1	3045	18	1
24	5510	1	1624	33	1
25	5510	1	2878	19	1
26	5510	1	1027	52	1
27	5510	1	2485	22	1
28	5510	1	1600	33	1
29	5510	1	1172	46	1
30	5510	1	1177	45	1
Detection Percentage (%)					97%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type 2 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5510	3.2	179	26	1
2	5510	1.1	207	23	1
3	5510	2.1	230	24	1
4	5510	4.8	200	29	1
5	5510	3.9	214	28	1
6	5510	2.9	222	26	1
7	5510	3.2	204	26	1
8	5510	2.5	192	25	1
9	5510	3.1	164	26	1
10	5510	1.2	156	23	1
11	5510	3.9	210	27	1
12	5510	4.6	201	29	1
13	5510	3.2	162	26	1
14	5510	2.2	197	25	1
15	5510	4.5	163	29	1
16	5510	3	203	26	1
17	5510	5	168	29	1
18	5510	2.4	217	25	1
19	5510	2.9	191	26	1
20	5510	2.3	166	25	1
21	5510	3.7	150	27	1
22	5510	2.2	176	25	1
23	5510	4.9	195	29	1
24	5510	2.9	202	26	1
25	5510	2.5	178	25	1
26	5510	1.1	206	23	1
27	5510	3.8	155	27	1
28	5510	4.7	157	29	1
29	5510	2.4	224	25	1
30	5510	4.2	159	28	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 3 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5510	8.2	355	17	1
2	5510	6.1	487	16	1
3	5510	7.1	344	16	1
4	5510	9.8	288	18	1
5	5510	8.9	230	18	1
6	5510	7.9	432	17	1
7	5510	8.2	207	17	1
8	5510	7.5	443	17	1
9	5510	8.1	439	17	1
10	5510	6.2	223	16	1
11	5510	8.9	208	18	1
12	5510	9.6	463	18	1
13	5510	8.2	441	17	1
14	5510	7.2	323	16	1
15	5510	9.5	297	18	1
16	5510	8	412	17	1
17	5510	10	324	18	1
18	5510	7.4	271	17	1
19	5510	7.9	349	17	1
20	5510	7.3	409	16	1
21	5510	8.7	373	18	1
22	5510	7.2	254	16	1
23	5510	9.9	274	18	1
24	5510	7.9	278	17	1
25	5510	7.5	317	17	1
26	5510	6.1	260	16	1
27	5510	8.8	211	18	1
28	5510	9.7	272	18	1
29	5510	7.4	264	17	1
30	5510	9.2	284	18	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 4 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5510	16	355	14	1
2	5510	11.3	487	12	1
3	5510	13.5	344	13	1
4	5510	19.4	288	16	1
5	5510	17.5	230	15	1
6	5510	15.3	432	14	1
7	5510	15.9	207	14	1
8	5510	14.3	443	13	1
9	5510	15.8	439	14	1
10	5510	11.5	223	12	1
11	5510	17.4	208	15	1
12	5510	19	463	16	1
13	5510	16	441	14	1
14	5510	13.8	323	13	1
15	5510	18.9	297	16	1
16	5510	15.5	412	14	1
17	5510	19.9	324	16	1
18	5510	14.1	271	13	1
19	5510	15.2	349	14	1
20	5510	13.8	409	13	1
21	5510	17.1	373	15	1
22	5510	13.8	254	13	1
23	5510	19.8	274	16	1
24	5510	15.3	278	14	1
25	5510	14.5	317	13	1
26	5510	11.3	260	12	1
27	5510	17.3	211	15	1
28	5510	19.2	272	16	1
29	5510	14.2	264	13	1
30	5510	18.2	284	15	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 5 Radar Statistical Performance

Center Freq(MHz)	Low Edge(MHz)	High Edge(MHz)	Test Freq (MHz)	1=Detection 0=No Detection
Trail #	Chirp	offset		
1	13	--	5510	1
2	12	--	5510	1
3	12	--	5510	1
4	10	--	5510	1
5	10	--	5510	1
6	18	--	5510	1
7	19	--	5510	1
8	5	--	5510	1
9	6	--	5510	1
10	9	--	5510	1
11	12	4.8	5494.8	1
12	20	8	5498	1
13	7	2.8	5492.8	1
14	13	5.2	5495.2	1
15	18	7.2	5497.2	1
16	13	5.2	5495.2	1
17	17	6.8	5496.8	1
18	16	6.4	5496.4	1
19	6	2.4	5492.4	1
20	17	6.8	5496.8	1
21	12	4.8	5525.2	1
22	14	5.6	5524.4	1
23	13	5.2	5524.8	1
24	5	2	5528	1
25	19	7.6	5522.4	1
26	10	4	5526	1
27	15	6	5524	1
28	16	6.4	5523.6	1
29	5	2	5528	1
30	15	6	5524	1
Detection Percentage (%)				100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 6 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses Per Hop	1=Detection 0=No Detection
1	5510	1	333.3	9	1
2	5510	1	333.3	9	1
3	5510	1	333.3	9	1
4	5510	1	333.3	9	1
5	5510	1	333.3	9	1
6	5510	1	333.3	9	1
7	5510	1	333.3	9	1
8	5510	1	333.3	9	1
9	5510	1	333.3	9	1
10	5510	1	333.3	9	1
11	5510	1	333.3	9	1
12	5510	1	333.3	9	1
13	5510	1	333.3	9	1
14	5510	1	333.3	9	1
15	5510	1	333.3	9	1
16	5510	1	333.3	9	1
17	5510	1	333.3	9	1
18	5510	1	333.3	9	1
19	5510	1	333.3	9	1
20	5510	1	333.3	9	1
21	5510	1	333.3	9	1
22	5510	1	333.3	9	1
23	5510	1	333.3	9	1
24	5510	1	333.3	9	1
25	5510	1	333.3	9	1
26	5510	1	333.3	9	1
27	5510	1	333.3	9	1
28	5510	1	333.3	9	1
29	5510	1	333.3	9	1
30	5510	1	333.3	9	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Modulation Mode: 802.11ax80

Type 1 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5530	1	938	57	1
2	5530	1	698	76	1
3	5530	1	618	86	1
4	5530	1	538	99	1
5	5530	1	878	61	1
6	5530	1	3066	18	1
7	5530	1	638	83	1
8	5530	1	918	58	1
9	5530	1	838	63	1
10	5530	1	858	62	1
11	5530	1	798	67	1
12	5530	1	718	74	0
13	5530	1	578	92	1
14	5530	1	598	89	1
15	5530	1	558	95	1
16	5530	1	2536	21	1
17	5530	1	966	55	1
18	5530	1	827	64	1
19	5530	1	2501	22	1
20	5530	1	2595	21	1
21	5530	1	1114	48	1
22	5530	1	1302	41	1
23	5530	1	3045	18	1
24	5530	1	1624	33	1
25	5530	1	2878	19	1
26	5530	1	1027	52	1
27	5530	1	2485	22	1
28	5530	1	1600	33	1
29	5530	1	1172	46	1
30	5530	1	1177	45	1
Detection Percentage (%)					97%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 2 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5530	3.2	179	26	1
2	5530	1.1	207	23	1
3	5530	2.1	230	24	1
4	5530	4.8	200	29	1
5	5530	3.9	214	28	1
6	5530	2.9	222	26	1
7	5530	3.2	204	26	1
8	5530	2.5	192	25	1
9	5530	3.1	164	26	1
10	5530	1.2	156	23	1
11	5530	3.9	210	27	1
12	5530	4.6	201	29	1
13	5530	3.2	162	26	1
14	5530	2.2	197	25	1
15	5530	4.5	163	29	1
16	5530	3	203	26	1
17	5530	5	168	29	1
18	5530	2.4	217	25	1
19	5530	2.9	191	26	1
20	5530	2.3	166	25	1
21	5530	3.7	150	27	1
22	5530	2.2	176	25	1
23	5530	4.9	195	29	1
24	5530	2.9	202	26	1
25	5530	2.5	178	25	1
26	5530	1.1	206	23	1
27	5530	3.8	155	27	1
28	5530	4.7	157	29	1
29	5530	2.4	224	25	1
30	5530	4.2	159	28	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55

FCC ID: 2AG3J-WRPT50001

Type 3 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5530	8.2	355	17	1
2	5530	6.1	487	16	1
3	5530	7.1	344	16	1
4	5530	9.8	288	18	1
5	5530	8.9	230	18	1
6	5530	7.9	432	17	1
7	5530	8.2	207	17	1
8	5530	7.5	443	17	1
9	5530	8.1	439	17	1
10	5530	6.2	223	16	1
11	5530	8.9	208	18	1
12	5530	9.6	463	18	1
13	5530	8.2	441	17	1
14	5530	7.2	323	16	1
15	5530	9.5	297	18	1
16	5530	8	412	17	1
17	5530	10	324	18	1
18	5530	7.4	271	17	1
19	5530	7.9	349	17	1
20	5530	7.3	409	16	1
21	5530	8.7	373	18	1
22	5530	7.2	254	16	1
23	5530	9.9	274	18	1
24	5530	7.9	278	17	1
25	5530	7.5	317	17	1
26	5530	6.1	260	16	1
27	5530	8.8	211	18	1
28	5530	9.7	272	18	1
29	5530	7.4	264	17	1
30	5530	9.2	284	18	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 4 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5530	16	355	14	1
2	5530	11.3	487	12	1
3	5530	13.5	344	13	1
4	5530	19.4	288	16	1
5	5530	17.5	230	15	1
6	5530	15.3	432	14	1
7	5530	15.9	207	14	1
8	5530	14.3	443	13	1
9	5530	15.8	439	14	1
10	5530	11.5	223	12	1
11	5530	17.4	208	15	1
12	5530	19	463	16	1
13	5530	16	441	14	1
14	5530	13.8	323	13	1
15	5530	18.9	297	16	1
16	5530	15.5	412	14	1
17	5530	19.9	324	16	1
18	5530	14.1	271	13	1
19	5530	15.2	349	14	1
20	5530	13.8	409	13	1
21	5530	17.1	373	15	1
22	5530	13.8	254	13	1
23	5530	19.8	274	16	1
24	5530	15.3	278	14	1
25	5530	14.5	317	13	1
26	5530	11.3	260	12	1
27	5530	17.3	211	15	1
28	5530	19.2	272	16	1
29	5530	14.2	264	13	1
30	5530	18.2	284	15	1
Detection Percentage (%)					100%



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23479-C-55
FCC ID: 2AG3J-WRPT50001

Type 5 Radar Statistical Performance

Center Freq(MHz)	Low Edge(MHz)	High Edge(MHz)	Test Freq (MHz)	1=Detection 0=No Detection
Trail #	Chirp	offset		
1	13	--	5530	1
2	12	--	5530	1
3	12	--	5530	1
4	10	--	5530	1
5	10	--	5530	1
6	18	--	5530	1
7	19	--	5530	1
8	5	--	5530	1
9	6	--	5530	1
10	9	--	5530	1
11	12	4.8	5494.8	1
12	20	8	5498	1
13	7	2.8	5492.8	1
14	13	5.2	5495.2	1
15	18	7.2	5497.2	1
16	13	5.2	5495.2	1
17	17	6.8	5496.8	1
18	16	6.4	5496.4	1
19	6	2.4	5492.4	1
20	17	6.8	5496.8	1
21	12	4.8	5565.2	1
22	14	5.6	5564.4	1
23	13	5.2	5564.8	1
24	5	2	5568	1
25	19	7.6	5562.4	1
26	10	4	5566	1
27	15	6	5564	1
28	16	6.4	5563.6	1
29	5	2	5568	1
30	15	6	5564	1
Detection Percentage (%)				100%



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Type 6 Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses Per Hop	1=Detection 0=No Detection
1	5530	1	333.3	9	1
2	5530	1	333.3	9	1
3	5530	1	333.3	9	1
4	5530	1	333.3	9	1
5	5530	1	333.3	9	1
6	5530	1	333.3	9	1
7	5530	1	333.3	9	1
8	5530	1	333.3	9	1
9	5530	1	333.3	9	1
10	5530	1	333.3	9	1
11	5530	1	333.3	9	1
12	5530	1	333.3	9	1
13	5530	1	333.3	9	1
14	5530	1	333.3	9	1
15	5530	1	333.3	9	1
16	5530	1	333.3	9	1
17	5530	1	333.3	9	1
18	5530	1	333.3	9	1
19	5530	1	333.3	9	1
20	5530	1	333.3	9	1
21	5530	1	333.3	9	1
22	5530	1	333.3	9	1
23	5530	1	333.3	9	1
24	5530	1	333.3	9	1
25	5530	1	333.3	9	1
26	5530	1	333.3	9	1
27	5530	1	333.3	9	1
28	5530	1	333.3	9	1
29	5530	1	333.3	9	1
30	5530	1	333.3	9	1
Detection Percentage (%)					100%



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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: The test results are listed in the separated test report no.: W6M22405-23479-P-15B.

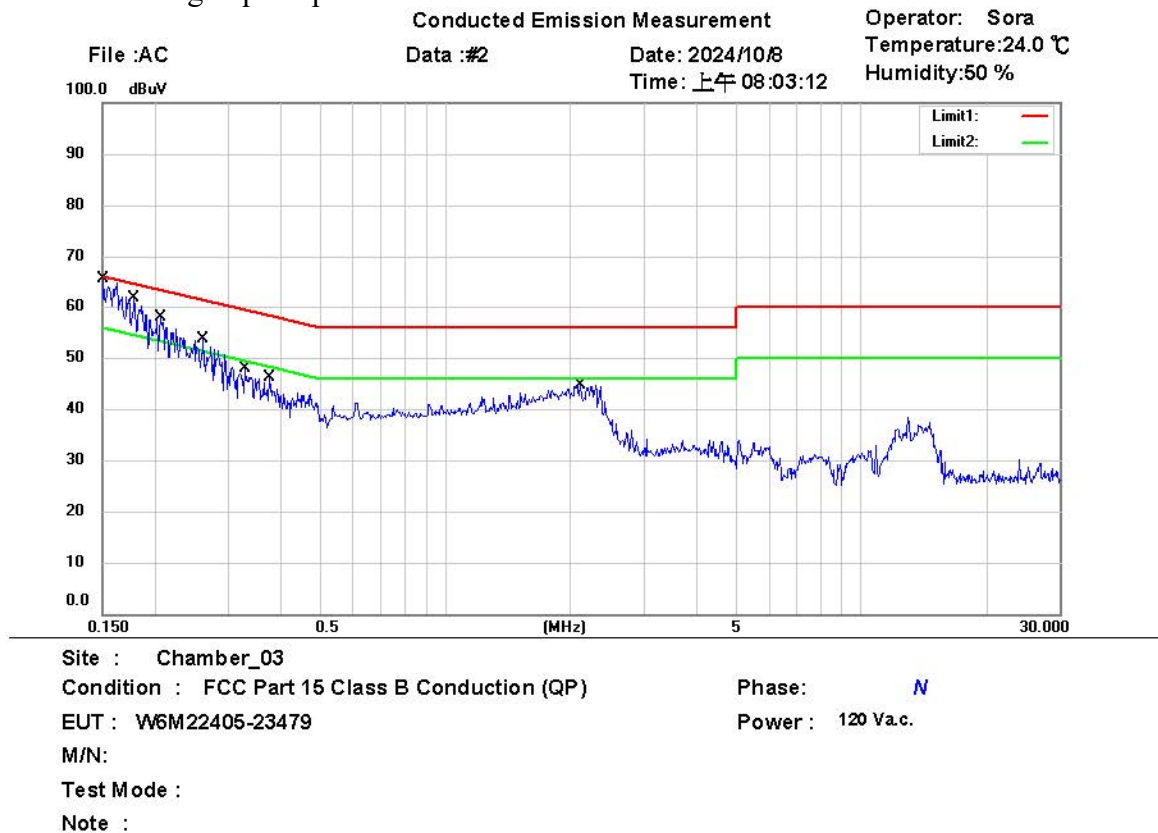


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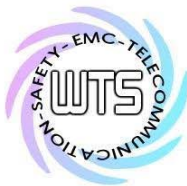
3.12 Power Line Conducted Emission

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.

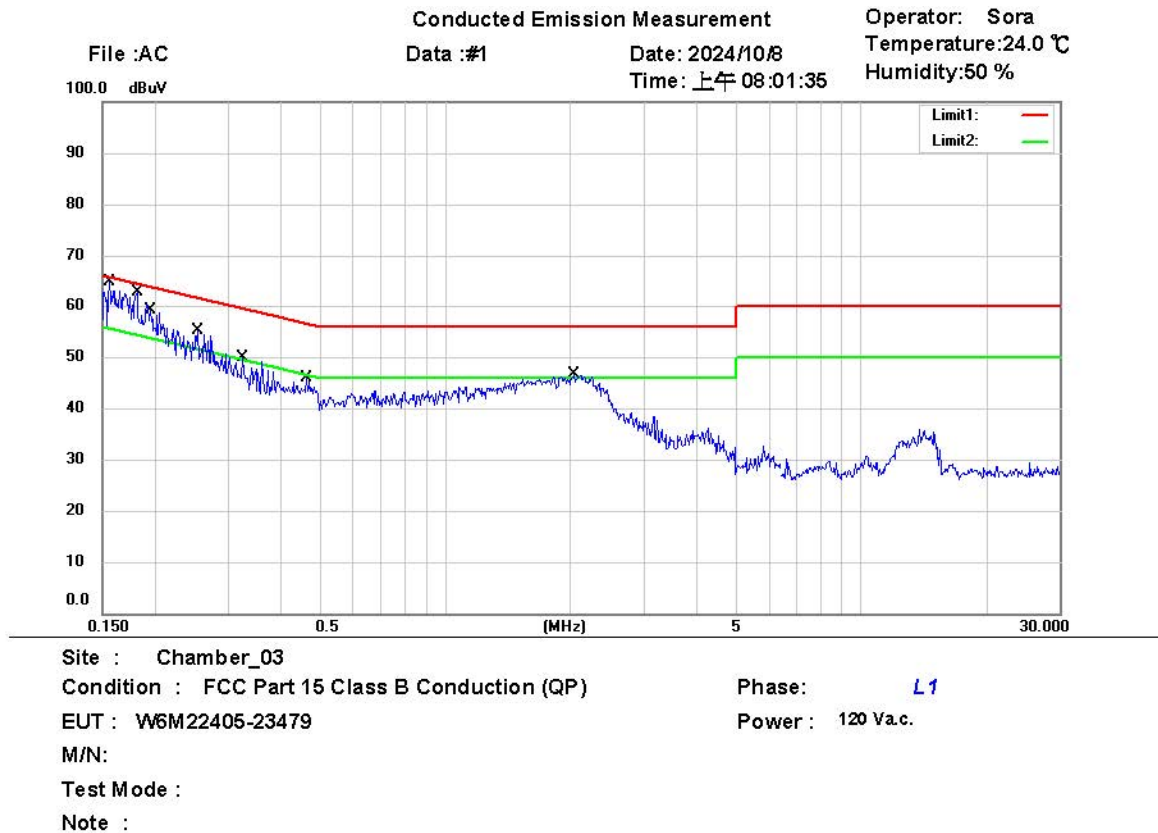


Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1507	48.95	QP	9.64	58.59	65.96	-7.37	
	0.1507	29.48	AVG	9.64	39.12	55.96	-16.84	
	0.1784	41.53	QP	9.64	51.17	64.56	-13.39	
	0.1784	21.00	AVG	9.64	30.64	54.56	-23.92	
	0.2092	37.97	QP	9.64	47.61	63.24	-15.63	
	0.2092	20.79	AVG	9.64	30.43	53.24	-22.81	
	0.2610	31.79	QP	9.65	41.44	61.40	-19.96	
	0.2610	17.19	AVG	9.65	26.84	51.40	-24.56	
	0.3280	27.62	QP	9.65	37.27	59.50	-22.23	
	0.3280	14.93	AVG	9.65	24.58	49.50	-24.92	
	0.3766	27.92	QP	9.66	37.58	58.35	-20.77	
	0.3766	17.36	AVG	9.66	27.02	48.35	-21.33	
	2.1088	29.16	QP	9.70	38.86	56.00	-17.14	
	2.1088	22.59	AVG	9.70	32.29	46.00	-13.71	



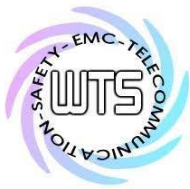
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Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1554	47.23	QP	9.66	56.89	65.71	-8.82	
	0.1554	31.10	AVG	9.66	40.76	55.71	-14.95	
	0.1808	41.33	QP	9.65	50.98	64.45	-13.47	
	0.1808	24.63	AVG	9.65	34.28	54.45	-20.17	
	0.1950	39.24	QP	9.65	48.89	63.82	-14.93	
	0.1950	22.12	AVG	9.65	31.77	53.82	-22.05	
	0.2534	31.57	QP	9.65	41.22	61.64	-20.42	
	0.2534	18.12	AVG	9.65	27.77	51.64	-23.87	
	0.3240	29.20	QP	9.66	38.86	59.60	-20.74	
	0.3240	18.28	AVG	9.66	27.94	49.60	-21.66	
	0.4660	26.37	QP	9.66	36.03	56.58	-20.55	
	0.4660	16.75	AVG	9.66	26.41	46.58	-20.17	
	2.0368	26.84	QP	9.70	36.54	56.00	-19.46	
	2.0368	21.41	AVG	9.70	31.11	46.00	-14.89	

- Note: 1. The formula of measured value as: Test Result = Reading + Correction Factor
2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
4. All not in the table noted test results are more than 20 dB below the relevant limits.
5. Up Line: QP Limit Line, Down Line: Ave Limit Line.



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Appendix

Measurement diagrams

Spurious Emissions radiated