

47 CFR Part 22, Part 24, Part 27

TEST REPORT

for

4G/LTE PERS GPS Locator

Model No.: Mobile Lite R32-ADC

FCC ID: GX9MOBLIR32ADC

of

Applicant: CLIMAX TECHNOLOGY CO., LTD.
Address: No. 258, Sinhu 2nd Rd., Neihu District, Taipei City 114,
Taiwan (R.O.C.)

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.: W6M22507-24605-C-247

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
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Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

Certification of Test Report

Applicant : CLIMAX TECHNOLOGY CO., LTD.
No. 258, Sinhu 2nd Rd., Neihu District,
Taipei City 114, Taiwan (R.O.C.)

Manufacturer : CLIMAX TECHNOLOGY CO., LTD.
No. 258, Sinhu 2nd Rd., Neihu District,
Taipei City 114, Taiwan (R.O.C.)

Tested equipment :

Type description	: 4G/LTE PERS GPS Locator
Model number	: Mobile Lite R32-ADC
Brand name	: ./.
Operation frequency	: Please see chapter 2.3.
RF output power	: Part 2/22/24/27 Band 2: 23.87dBm (EIRP) Band 4: 23.96dBm (EIRP) Band 5: 23.37dBm (ERP) Band 12: 23.54dBm (ERP) Band 13: 23.74dBm (ERP)
Power supply	: Adapter (I/P: 100-240V~50/60Hz 0.3A Max O/P: 5.0V=1.0A 5.0W) Battery 3.7V, 530mAh, 1.961Wh

Regulation applied : 47CFR Part 22 (2024-10), Part 24 (2024-10),
Part 27 (2024-10)

Test method : 47CFR Part 2 (2024), TIA/EIA-603E (2016) and
ANSI C63.26 (2015)

I HEREBY CERTIFY THAT: The test results written in this report were derived conscientiously in accordance with the requirements and procedures of 47CFR Part 2 (2024), TIA/EIA-603E (2016), and it was found that the device described above is in compliance with the applicable limits specified in 47CFR Part 22/24/27.

Laboratory disclaimer:

1. The result of this test report is valid only in connection to the sample has been tested at the laboratory of Worldwide Testing Services (Taiwan) Co. Ltd.
2. This test report shall always be duplicated in full pages unless the written approval of the testing laboratory is obtained.
3. Antenna gain is provided by applicant and laboratory issue relevant data and results.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

Test engineer:

August 15, 2025

Sora Kuo

Sora

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

August 15, 2025

Kevin Wang

Kevin Wang

Date

WTS

Name

Signature



Registration number: W6M22507-24605-C-247

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1 Summary

1.1 Description of tested equipment

This equipment under tested, Mobile Lite R32-ADC, is a 4G/LTE PERS GPS Locator.

This test report only contains test requirements specified in 47CFR Part 22, Part 24, Part 27 for LTE function. For other functions; please refer to separate test report with respect to the relevant test standard and specification.

1.2 Date of testing processing

Date of receipt of test item: July 22, 2025

Date of test: from July 23, 2025 to July 31, 2025

Other Information: None

1.3 Modification Information

No modification was made during the all test items been performed.

1.4 Test standards

Technical standard: **47CFR Part 22 (2024-10), Part 24 (2024-10),
Part 27 (2024-10)**

Test method: **47 CFR Part 2 (2024), TIA/EIA-603E (2016),
ANSI C63.26 (2015)**

Deviation from test standard: None



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1.5 Summary of test result

Harmonized Standard Requirements and Conformance Test Specifications				
Item	Clause	Test Content	Limit	Test Result
3.2	§22.913 §24.232 §27.50 §90.205	Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement	ERP < 7 Watts (Band 5) EIRP < 2 Watts (Band 2) ERP < 3 Watts (Band 12, Band 13) EIRP < 1 Watts (Band 4)	Pass
5.3	§24.232 §27.50	Peak-to-Average Ratio	< 13 dB	Pass
6.2	§2.1049 §90.209	Occupied Bandwidth	OBW : No Limit	Pass
7.2	§22.917 §24.238 §27.53 §90.210	Conducted Spurious Emission Measurement	< 43+10log10(P[Watts])	Pass
8.2	§22.917 §24.238 §27.53 §90.210	Radiated Spurious Emission Measurement	< 43+10log10(P[Watts])	Pass
8.5	§22.917 §24.238 §27.53 §90.210	Conducted Band Edge Measurement	< 43+10log10(P[Watts])	Pass
9.2	§2.1055 §22.355 §24.235 §27.54 §90.213	Frequency stability / Temperature variation Measurement	< 2.5 ppm	Pass

Test item Name	Measurement Uncertainty
Estimation Result of Uncertainty of Radiated Emission(3M-966A)	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 Conducted Output Power Measurement	Expanded Uncertainty : 1.63 dB
Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.37 kHz
Estimation Result of Uncertainty of Frequency Drift Measurement	Expanded Uncertainty : 6.11 Hz
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.63 dBc

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



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2 General Information

2.1 Testing laboratory

2.1.1 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

2.1.2 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

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

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

2.2 Details of approval holder

Name:	CLIMAX TECHNOLOGY CO., LTD.
Street:	No. 258, Sinhu 2nd Rd., Neihu District,
Town:	Taipei City 114,
Country:	Taiwan (R.O.C.)

Manufacturer: (if different from applicant)

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



Registration number: W6M22507-24605-C-247

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2.3 Description of Tested System

The EUT was tested alone without the Accessories or Peripherals.

Equipment	Model No.	Series No.	Software	Cable information	Note
No accessories were used with this EUT.					

Frequencies Selected to be investigated:

Band 2

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	18607	1850.7	607	1930.7
	3	18615	1851.5	615	1931.5
	5	18625	1852.5	625	1932.5
	10	18650	1855	650	1935
	15 ^[1]	18675	1857.5	675	1937.5
	20 ^[1]	18700	1860	700	1940
Mid Range	1.4/3/5/10 15 ^[1] /20 ^[1]	18900	1880	900	1960
High Range	1.4	19193	1909.3	1193	1989.3
	3	19185	1908.5	1185	1988.5
	5	19175	1907.5	1175	1987.5
	10	19150	1905	1150	1985
	15 ^[1]	19125	1902.5	1125	1982.5
	20 ^[1]	19100	1900	1100	1980
NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.					

Band 4

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
	5	19975	1712.5	1975	2112.5
	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
High Range	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
	5	20375	1752.5	2375	2152.5
	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1745	2300	2145



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Band 5

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	20407	824.7	2407	869.7
	3	20415	825.5	2415	870.5
	5	20425	826.5	2425	871.5
	10 ^[1]	20450	829	2450	874
Mid Range	1.4/3/5 10 ^[1]	20525	836.5	2525	881.5
High Range	1.4	20643	848.3	2643	893.3
	3	20635	847.5	2635	892.5
	5	20625	846.5	2625	891.5
	10 ^[1]	20600	844	2600	889

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Band 12

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	23017	699.7	5017	729.7
	3	23025	700.5	5025	730.5
	5 ^[1]	23035	701.5	5035	731.5
	10 ^[1]	23060	704	5060	734
Mid Range	1.4/3 5 ^[1] /10 ^[1]	23095	707.5	5095	737.5
High Range	1.4	23173	715.3	5173	745.3
	3	23165	714.5	5165	744.5
	5 ^[1]	23155	713.5	5155	743.5
	10 ^[1]	23130	711	5130	741

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Band 13

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	5 ^[1]	23205	779.5	5205	748.5
	10 ^[1]	23230	782	5230	751
Mid Range	5 ^[1] /10 ^[1]	23230	782	5230	751
High Range	5 ^[1]	23255	784.5	5255	753.5
	10 ^[1]	23230	782	5230	751

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.



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Antenna type:	Monopole antenna
Antenna gain:	Band 2: 0.14dBi 、 Band 4: -1.09dBi 、 Band 5: -8.93dBi 、 Band 12: -5.38dBi 、 Band 13: -5.81dBi
Power supply:	Adapter (I/P: 100-240V~50/60Hz 0.3A Max O/P: 5.0V=1.0A 5.0W) Battery 3.7V, 530mAh, 1.961Wh
Sample no.:	#02

2.4 Test environment

Temperature:	27 °C
Relative humidity content:	54 %
Air pressure:	86-103 Kpa

2.5 General Test Requirement

Radiated Emission: For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100 kHz respectively with an appropriate sweep speed.

For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.



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2.6 Test Equipment List

Power

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 099	DC Block	50DB-007-1	None	JFW	2025/2/14	2026/2/13
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2025/4/24	2026/4/23
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2024/8/26	2025/8/25

Frequency stability

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2025/7/22	2026/7/21
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2025/2/14	2026/2/13
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2025/2/14	2026/2/13
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2025/4/24	2026/4/23
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13

Conducted Spurious emission, Bandedge, Occupied Bandwidth, 26DB 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	2025/2/14	2026/2/13
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2025/2/14	2026/2/13
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2025/3/5	2026/3/4
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2024/8/26	2025/8/25
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2025/4/24	2026/4/23
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13

Peak to Average Ratio

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 099	DC Block	50DB-007-1	None	JFW	2025/2/14	2026/2/13
ETSTW-RE 155	Signal and Spectrum Analyzer	FSV3044	101136	R&S	2025/4/10	2026/4/9
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2024/8/26	2025/8/25
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2025/4/24	2026/4/23
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13



Worldwide Testing Services(Taiwan) Co., Ltd.

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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	2025/4/9	2026/4/8
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2025/7/11	2026/7/10
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168&EMCI-N-6-06	01380&AT-06007	SCHWARZBECK & EMC	2025/3/10	2026/3/9
ETSTW-RE 178	Double Ridged Guide Horn Antenna	DRH18-E	210505A18ES	RFSPIN	2025/3/7	2026/3/6
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2025/7/11	2026/7/10
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2025/7/11	2026/7/10
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2025/7/11	2026/7/10
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2025/4/24	2026/4/23

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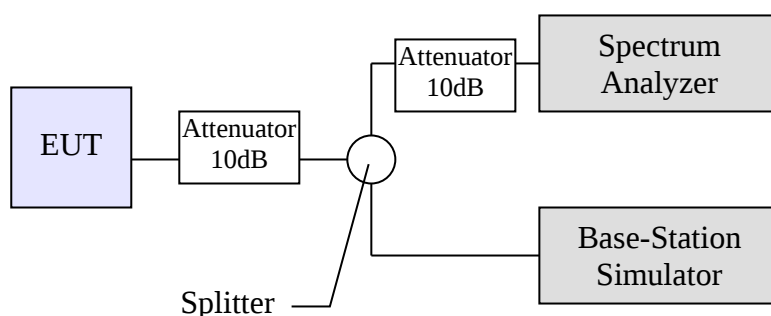
3. RF Power Output

3.1 Test procedure

3.1.1 Conducted Method

Per 47CFR Part 2.1046, the RF power output shall be measured at the RF output terminals and following procedure is employed:

The transmitter output was connected as the following figure:



The whole connection system is calibrated with a standard signal generator. Power on and make a link form simulator to EUT and then set the EUT to maximum output power.

Measure the RF power with the spectrum analyzer in accordance the following settings:

RBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

VBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

Span: 2MHz

Sweep: 3s

The power output at the transmitter antenna terminal is then determined by assign the value of the corrected factor to the spectrum analyzer reading.

Tests were performed at three frequencies (low, middle and high channels) and operation mode selected.



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3.2 Test Results

Test date: July 28, 2025

Temperature: 25.2 °C

Humidity: 60.0 %

Tester: Sora

Band 2

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18607/1850.7MHz	POWER(dBm) Mid Ch18900/1880MHz	POWER(dBm) High Ch19193/1909.3MHz	EIRP Low Ch18607/1850.7MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19193/1909.3MHz
1.4	QPSK	1	0	22.83	23.12	22.95	23.140212	23.430212	23.260212
1.4	QPSK	1	3	22.84	23.46	23.17	23.150212	23.770212	23.480212
1.4	QPSK	1	5	22.85	23.44	23.33	23.160212	23.750212	23.640212
1.4	QPSK	3	0	21.84	22.15	22.83	22.150212	22.460212	23.140212
1.4	QPSK	3	1	21.85	22.21	22.78	22.160212	22.520212	23.090212
1.4	QPSK	3	3	21.82	22.11	22.85	22.130212	22.420212	23.160212
1.4	QPSK	6	0	21.38	22.16	22.54	21.690212	22.470212	22.850212
1.4	16QAM	1	0	21.55	22.12	22.18	21.860212	22.430212	22.490212
1.4	16QAM	1	3	21.32	21.97	22.37	21.630212	22.280212	22.680212
1.4	16QAM	1	5	21.38	22.02	22.01	21.690212	22.330212	22.320212
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18615/1851.5MHz	POWER(dBm) Mid Ch18900/1880MHz	POWER(dBm) High Ch19185/1908.5MHz	EIRP Low Ch18615/1851.5MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19185/1908.5MHz
3	QPSK	1	0	22.24	23.17	23.79	22.550212	23.480212	24.100212
3	QPSK	1	7	22.18	22.91	23.87	22.490212	23.220212	24.180212
3	QPSK	1	14	22.08	23.05	22.34	22.390212	23.360212	22.650212
3	QPSK	8	0	21.71	21.87	21.79	22.020212	22.180212	22.100212
3	QPSK	8	3	21.87	22.04	21.74	22.180212	22.350212	22.050212
3	QPSK	8	7	21.82	22.29	21.56	22.130212	22.600212	21.870212
3	QPSK	15	0	21.27	21.85	21.36	21.580212	22.160212	21.670212
3	16QAM	1	0	21.05	21.64	22.17	21.360212	21.950212	22.480212
3	16QAM	1	7	21.39	21.78	22.4	21.700212	22.090212	22.710212
3	16QAM	1	14	21.53	21.83	21.87	21.840212	22.140212	22.180212
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18625/1852.5MHz	POWER(dBm) Mid Ch18900/1880MHz	POWER(dBm) High Ch19175/1907.5MHz	EIRP Low Ch18625/1852.5MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19175/1907.5MHz
5	QPSK	1	0	22.24	23.21	23.05	22.550212	23.520212	23.360212
5	QPSK	1	12	22.46	23.59	23.32	22.770212	23.900212	23.630212
5	QPSK	1	24	22.46	23.28	23.13	22.770212	23.590212	23.440212
5	QPSK	12	0	21.12	22.14	22.36	21.430212	22.450212	22.670212
5	QPSK	12	6	21.33	22.22	22.34	21.640212	22.530212	22.650212
5	QPSK	12	13	21.25	22.24	22.52	21.560212	22.550212	22.830212
5	QPSK	25	0	22.36	22.12	21.78	22.670212	22.430212	22.090212
5	16QAM	1	0	21.35	21.31	22.14	21.660212	21.620212	22.450212
5	16QAM	1	12	21.29	21.52	22.12	21.600212	21.830212	22.430212
5	16QAM	1	24	21.05	21.59	22.21	21.360212	21.900212	22.520212



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BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18650/1855MHz	POWER(dBm) Mid Ch18900/1880MHz	POWER(dBm) High Ch19150/1905MHz	EIRP Low Ch18650/1855MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19150/1905MHz
10	QPSK	1	0	22.82	23.02	23.14	23.130212	23.330212	23.450212
10	QPSK	1	24	23.33	23.28	23.21	23.640212	23.590212	23.520212
10	QPSK	1	49	23.04	23.17	23.18	23.350212	23.480212	23.490212
10	QPSK	25	0	22.01	22.06	22.27	22.320212	22.370212	22.580212
10	QPSK	25	12	22.06	22.16	22.12	22.370212	22.470212	22.430212
10	QPSK	25	25	22.06	22.13	22.11	22.370212	22.440212	22.420212
10	QPSK	50	0	21.71	21.85	21.88	22.020212	22.160212	22.190212
10	16QAM	1	0	22.75	22.81	22.68	23.060212	23.120212	22.990212
10	16QAM	1	24	22.62	22.41	23.02	22.930212	22.720212	23.330212
10	16QAM	1	49	22.64	22.7	22.34	22.950212	23.010212	22.650212
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18675/1857.5MHz	POWER(dBm) Mid Ch18900/1880MHz	POWER(dBm) High Ch19125/1902.5MHz	EIRP Low Ch18675/1857.5MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19125/1902.5MHz
15	QPSK	1	0	23.42	22.99	22.55	23.730212	23.300212	22.860212
15	QPSK	1	37	23.28	23.34	22.62	23.590212	23.650212	22.930212
15	QPSK	1	74	23.12	23.14	22.46	23.430212	23.450212	22.770212
15	QPSK	36	0	22.27	22.06	21.49	22.580212	22.370212	21.800212
15	QPSK	36	19	22.24	21.99	21.36	22.550212	22.300212	21.670212
15	QPSK	36	39	22.13	21.82	21.47	22.440212	22.130212	21.780212
15	QPSK	75	0	22.06	21.91	21.38	22.370212	22.220212	21.690212
15	16QAM	1	0	22.23	22.26	22.29	22.540212	22.570212	22.600212
15	16QAM	1	37	22.38	22.37	22.36	22.690212	22.680212	22.670212
15	16QAM	1	74	22.12	22.29	22.31	22.430212	22.600212	22.620212
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch18700/1860MHz	POWER(dBm) Mid Ch18900/1880MHz	POWER(dBm) High Ch19100/1900MHz	EIRP Low Ch18675/1857.5MHz	EIRP Mid Ch18900/1880MHz	EIRP High Ch19125/1902.5MHz
20	QPSK	1	0	23.42	23.29	22.77	23.730212	23.600212	23.080212
20	QPSK	1	49	23.51	23.22	22.61	23.820212	23.530212	22.920212
20	QPSK	1	99	23.15	23.14	22.83	23.460212	23.450212	23.140212
20	QPSK	50	0	22.36	22.09	21.91	22.670212	22.400212	22.220212
20	QPSK	50	25	22.3	22.13	21.69	22.610212	22.440212	22.000212
20	QPSK	50	50	22.26	22.08	21.77	22.570212	22.390212	22.080212
20	QPSK	100	0	21.85	21.83	21.68	22.160212	22.140212	21.990212
20	16QAM	1	0	22.44	22.27	22.05	22.750212	22.580212	22.360212
20	16QAM	1	49	22.66	22.39	22.08	22.970212	22.700212	22.390212
20	16QAM	1	99	22.22	22.14	21.62	22.530212	22.450212	21.930212



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BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch19957/1710.7MHz	POWER(dBm) Mid Ch20175/1732.5MHz	POWER(dBm) High Ch20393/1754.3MHz	EIRP Low Ch19957/1710.7MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20393/1754.3MHz
1.4	QPSK	1	0	23.14	23.09	22.56	22.05219	22.00219	21.47219
1.4	QPSK	1	3	23.18	22.84	22.83	22.09219	21.75219	21.74219
1.4	QPSK	1	5	22.76	22.52	22.86	21.67219	21.43219	21.77219
1.4	QPSK	3	0	22.05	22.06	22.11	20.96219	20.97219	21.02219
1.4	QPSK	3	1	22.17	22.24	22.14	21.08219	21.15219	21.05219
1.4	QPSK	3	3	22.14	21.99	22.08	21.05219	20.90219	20.99219
1.4	QPSK	6	0	21.76	21.84	21.95	20.67219	20.75219	20.86219
1.4	16QAM	1	0	21.66	21.31	21.35	20.57219	20.22219	20.26219
1.4	16QAM	1	3	21.33	21.44	21.66	20.24219	20.35219	20.57219
1.4	16QAM	1	5	21.49	21.37	21.59	20.40219	20.28219	20.50219
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch19965/1711.5MHz	POWER(dBm) Mid Ch20175/1732.5MHz	POWER(dBm) High Ch20385/1753.5MHz	EIRP Low Ch19965/1711.5MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20385/1753.5MHz
3	QPSK	1	0	23.55	23.35	22.88	22.46219	22.26219	21.79219
3	QPSK	1	7	23.67	23.21	23.36	22.58219	22.12219	22.27219
3	QPSK	1	14	23.59	23.14	22.91	22.50219	22.05219	21.82219
3	QPSK	8	0	22.08	22.27	22.11	20.99219	21.18219	21.02219
3	QPSK	8	3	22.22	22.19	22.15	21.13219	21.10219	21.06219
3	QPSK	8	7	22.11	22.18	22.03	21.02219	21.09219	20.94219
3	QPSK	15	0	22.6	22.61	22.49	21.51219	21.52219	21.40219
3	16QAM	1	0	21.84	21.87	21.67	20.75219	20.78219	20.58219
3	16QAM	1	7	21.43	21.22	21.32	20.34219	20.13219	20.23219
3	16QAM	1	14	21.08	21.2	21.13	19.99219	20.11219	20.04219
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch19975/1712.5MHz	POWER(dBm) Mid Ch20175/1732.5MHz	POWER(dBm) High Ch20375/1752.5MHz	EIRP Low Ch19975/1712.5MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20375/1752.5MHz
5	QPSK	1	0	23.62	23.67	23.57	22.53219	22.58219	22.48219
5	QPSK	1	12	23.56	23.86	23.96	22.47219	22.77219	22.87219
5	QPSK	1	24	23.34	23.58	23.95	22.25219	22.49219	22.86219
5	QPSK	12	0	22.74	22.54	22.53	21.65219	21.45219	21.44219
5	QPSK	12	6	22.77	22.63	22.54	21.68219	21.54219	21.45219
5	QPSK	12	13	22.72	22.59	22.73	21.63219	21.50219	21.64219
5	QPSK	25	0	22.73	22.63	22.63	21.64219	21.54219	21.54219
5	16QAM	1	0	22.89	22.48	22.62	21.80219	21.39219	21.53219
5	16QAM	1	12	22.67	22.51	22.72	21.58219	21.42219	21.63219
5	16QAM	1	24	22.93	22.58	22.74	21.84219	21.49219	21.65219



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BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20000/1715MHz	POWER(dBm) Mid Ch20175/1732.5MHz	POWER(dBm) High Ch20350/1750MHz	EIRP Low Ch20000/1715MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20350/1750MHz
10	QPSK	1	0	23.71	23.78	23.47	22.62219	22.69219	22.38219
10	QPSK	1	24	23.76	23.72	23.64	22.67219	22.63219	22.55219
10	QPSK	1	49	23.48	23.45	23.71	22.39219	22.36219	22.62219
10	QPSK	25	0	22.91	22.78	22.75	21.82219	21.69219	21.66219
10	QPSK	25	12	22.86	22.94	22.85	21.77219	21.85219	21.76219
10	QPSK	25	25	22.83	22.59	22.79	21.74219	21.50219	21.70219
10	QPSK	50	0	22.74	22.66	22.71	21.65219	21.57219	21.62219
10	16QAM	1	0	22.51	22.91	22.79	21.42219	21.82219	21.70219
10	16QAM	1	24	22.87	22.63	22.41	21.78219	21.54219	21.32219
10	16QAM	1	49	22.93	22.23	22.49	21.84219	21.14219	21.40219
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20025/1717.5MHz	POWER(dBm) Mid Ch20175/1732.5MHz	POWER(dBm) High Ch20325/1747.5MHz	EIRP Low Ch20025/1717.5MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20325/1747.5MHz
15	QPSK	1	0	23.72	23.69	23.43	22.63219	22.60219	22.34219
15	QPSK	1	37	23.79	23.64	23.47	22.70219	22.55219	22.38219
15	QPSK	1	74	23.55	23.51	23.63	22.46219	22.42219	22.54219
15	QPSK	36	0	22.67	22.57	22.46	21.58219	21.48219	21.37219
15	QPSK	36	19	22.52	22.44	22.57	21.43219	21.35219	21.48219
15	QPSK	36	39	22.62	22.61	22.47	21.53219	21.52219	21.38219
15	QPSK	75	0	22.61	22.41	22.44	21.52219	21.32219	21.35219
15	16QAM	1	0	22.97	22.81	22.75	21.88219	21.72219	21.66219
15	16QAM	1	37	23.15	23.06	22.64	22.06219	21.97219	21.55219
15	16QAM	1	74	22.65	22.52	22.67	21.56219	21.43219	21.58219
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20050/1720MHz	POWER(dBm) Mid Ch20175/1732.5MHz	POWER(dBm) High Ch20300/1745MHz	EIRP Low Ch20050/1720MHz	EIRP Mid Ch20175/1732.5MHz	EIRP High Ch20300/1745MHz
20	QPSK	1	0	23.87	23.56	23.71	22.78219	22.47219	22.62219
20	QPSK	1	49	23.74	23.83	23.66	22.65219	22.74219	22.57219
20	QPSK	1	99	23.64	23.46	23.72	22.55219	22.37219	22.63219
20	QPSK	50	0	22.85	22.66	22.66	21.76219	21.57219	21.57219
20	QPSK	50	25	22.75	22.47	22.59	21.66219	21.38219	21.50219
20	QPSK	50	50	22.78	22.61	22.65	21.69219	21.52219	21.56219
20	QPSK	100	0	22.81	22.64	22.59	21.72219	21.55219	21.50219
20	16QAM	1	0	22.52	22.99	22.85	21.43219	21.90219	21.76219
20	16QAM	1	49	22.78	22.42	22.77	21.69219	21.33219	21.68219
20	16QAM	1	99	22.46	22.31	22.73	21.37219	21.22219	21.64219



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Band 5

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20407/824.7MHz	POWER(dBm) Mid Ch20525/836.5MHz	POWER(dBm) High Ch20643/848.3MHz	ERP Low Ch20407/824.7MHz	ERP Mid Ch20525/836.5MHz	ERP High Ch20643/848.3MHz
1.4	QPSK	1	0	22.99	22.85	22.99	12.5842	12.4442	12.5842
1.4	QPSK	1	3	22.86	22.89	23.06	12.4542	12.4842	12.6542
1.4	QPSK	1	5	22.93	22.96	22.96	12.5242	12.5542	12.5542
1.4	QPSK	3	0	23.05	23.1	23.02	12.6442	12.6942	12.6142
1.4	QPSK	3	1	23.06	23.07	22.92	12.6542	12.6642	12.5142
1.4	QPSK	3	3	23.11	23.13	22.93	12.7042	12.7242	12.5242
1.4	QPSK	6	0	22.05	22.06	21.98	11.6442	11.6542	11.5742
1.4	16QAM	1	0	21.94	21.65	21.93	11.5342	11.2442	11.5242
1.4	16QAM	1	3	22.07	22.03	22.02	11.6642	11.6242	11.6142
1.4	16QAM	1	5	22.11	21.82	21.51	11.7042	11.4142	11.1042
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20415/825.5MHz	POWER(dBm) Mid Ch20525/836.5MHz	POWER(dBm) High Ch20635/847.5MHz	ERP Low Ch20415/825.5MHz	ERP Mid Ch20525/836.5MHz	ERP High Ch20635/847.5MHz
3	QPSK	1	0	23.01	22.96	23.02	12.6042	12.5542	12.6142
3	QPSK	1	7	22.94	23.31	22.91	12.5342	12.9042	12.5042
3	QPSK	1	14	22.86	22.94	22.83	12.4542	12.5342	12.4242
3	QPSK	8	0	21.97	22.16	22.08	11.5642	11.7542	11.6742
3	QPSK	8	3	21.87	22.15	22.13	11.4642	11.7442	11.7242
3	QPSK	8	7	21.87	22.12	21.93	11.4642	11.7142	11.5242
3	QPSK	15	0	21.92	21.95	21.94	11.5142	11.5442	11.5342
3	16QAM	1	0	21.72	21.76	21.81	11.3142	11.3542	11.4042
3	16QAM	1	7	21.86	22.07	22.34	11.4542	11.6642	11.9342
3	16QAM	1	14	21.78	22.12	21.88	11.3742	11.7142	11.4742

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20425/826.5MHz	POWER(dBm) Mid Ch20525/836.5MHz	POWER(dBm) High Ch20625/846.5MHz	ERP Low Ch20425/826.5MHz	ERP Mid Ch20525/836.5MHz	ERP High Ch20625/846.5MHz
5	QPSK	1	0	22.92	23.03	23.02	12.5142	12.6242	12.6142
5	QPSK	1	12	23.04	23.11	22.92	12.6342	12.7042	12.5142
5	QPSK	1	24	23.08	22.94	22.84	12.6742	12.5342	12.4342
5	QPSK	12	0	21.96	22.11	22.03	11.5542	11.7042	11.6242
5	QPSK	12	6	21.84	21.99	22.08	11.4342	11.5842	11.6742
5	QPSK	12	13	21.81	22.08	21.91	11.4042	11.6742	11.5042
5	QPSK	25	0	21.84	21.96	21.96	11.4342	11.5542	11.5542
5	16QAM	1	0	21.69	22.12	21.56	11.2842	11.7142	11.1542
5	16QAM	1	12	22.09	22.17	21.82	11.6842	11.7642	11.4142
5	16QAM	1	24	21.85	21.95	21.59	11.4442	11.5442	11.1842
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch20450/829MHz	POWER(dBm) Mid Ch20525/836.5MHz	POWER(dBm) High Ch20600/844MHz	ERP Low Ch20450/829MHz	ERP Mid Ch20525/836.5MHz	ERP High Ch20600/844MHz
10	QPSK	1	0	23.01	23.17	22.79	12.6042	12.7642	12.3842
10	QPSK	1	24	23.15	23.37	23.02	12.7442	12.9642	12.6142
10	QPSK	1	49	23.32	23.15	22.97	12.9142	12.7442	12.5642
10	QPSK	25	0	21.96	22.12	21.95	11.5542	11.7142	11.5442
10	QPSK	25	12	22.02	22.11	21.96	11.6142	11.7042	11.5542
10	QPSK	25	25	22.05	22.07	22.11	11.6442	11.6642	11.7042
10	QPSK	50	0	22.29	22.06	21.92	11.8842	11.6542	11.5142
10	16QAM	1	0	22.21	22.16	21.87	11.8042	11.7542	11.4642
10	16QAM	1	24	22.06	22.12	22.07	11.6542	11.7142	11.6642
10	16QAM	1	49	22.01	22.01	21.74	11.6042	11.6042	11.3342



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Band 12

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23017/699.7MHz	POWER(dBm) Mid Ch23095/707.5MHz	POWER(dBm) High Ch23173/715.3MHz	ERP Low Ch23017/699.7MHz	ERP Mid Ch23095/707.5MHz	ERP High Ch23173/715.3MHz
1.4	QPSK	1	0	23.07	23.05	23.17	15.54439	15.52439	15.64439
1.4	QPSK	1	3	23.27	23.19	23.18	15.74439	15.66439	15.65439
1.4	QPSK	1	5	23.21	23.13	23.01	15.68439	15.60439	15.48439
1.4	QPSK	3	0	23.16	22.79	22.99	15.63439	15.26439	15.46439
1.4	QPSK	3	1	23.25	23.21	23.05	15.72439	15.68439	15.52439
1.4	QPSK	3	3	23.03	23.02	22.97	15.50439	15.49439	15.44439
1.4	QPSK	6	0	22.24	22.01	22.09	14.71439	14.48439	14.56439
1.4	16QAM	1	0	22.09	22.14	22.34	14.56439	14.61439	14.81439
1.4	16QAM	1	3	22.47	22.11	22.2	14.94439	14.58439	14.67439
1.4	16QAM	1	5	22.14	22.16	22.02	14.61439	14.63439	14.49439
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23025/700.5MHz	POWER(dBm) Mid Ch23095/707.5MHz	POWER(dBm) High Ch23165/714.5MHz	ERP Low Ch23025/700.5MHz	ERP Mid Ch23095/707.5MHz	ERP High Ch23165/714.5MHz
3	QPSK	1	0	22.94	23.18	23.33	15.41439	15.65439	15.80439
3	QPSK	1	7	23.15	23.07	23.54	15.62439	15.54439	16.01439
3	QPSK	1	14	23.12	22.76	23	15.59439	15.23439	15.47439
3	QPSK	8	0	22.23	22.16	22.43	14.70439	14.63439	14.90439
3	QPSK	8	3	22.47	22.12	22.27	14.94439	14.59439	14.74439
3	QPSK	8	7	22.41	22.07	22.29	14.88439	14.54439	14.76439
3	QPSK	15	0	22.17	22.06	22.06	14.64439	14.53439	14.53439
3	16QAM	1	0	22.01	22.08	22.53	14.48439	14.55439	15.00439
3	16QAM	1	7	22.33	22.18	22.39	14.80439	14.65439	14.86439
3	16QAM	1	14	22.03	21.84	21.99	14.50439	14.31439	14.46439

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23035/701.5MHz	POWER(dBm) Mid Ch23095/707.5MHz	POWER(dBm) High Ch23155/713.5MHz	ERP Low Ch23035/701.5MHz	ERP Mid Ch23095/707.5MHz	ERP High Ch23155/713.5MHz
5	QPSK	1	0	23.11	23.11	23.07	15.58439	15.58439	15.54439
5	QPSK	1	12	23.51	23.39	23.27	15.98439	15.86439	15.74439
5	QPSK	1	24	23.37	23.01	22.93	15.84439	15.48439	15.40439
5	QPSK	12	0	22.21	22.15	22.1	14.68439	14.62439	14.57439
5	QPSK	12	6	22.19	22.02	22.24	14.66439	14.49439	14.71439
5	QPSK	12	13	22.21	22.01	22.05	14.68439	14.48439	14.52439
5	QPSK	25	0	22.27	22.02	22.11	14.74439	14.49439	14.58439
5	16QAM	1	0	22.18	22.06	21.98	14.65439	14.53439	14.45439
5	16QAM	1	12	22.46	22.19	22.06	14.93439	14.66439	14.53439
5	16QAM	1	24	22.05	21.87	21.58	14.52439	14.34439	14.05439
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23060/704MHz	POWER(dBm) Mid Ch23095/707.5MHz	POWER(dBm) High Ch23130/711MHz	ERP Low Ch23060/704MHz	ERP Mid Ch23095/707.5MHz	ERP High Ch23130/711MHz
10	QPSK	1	0	23.07	22.84	22.76	15.54439	15.31439	15.23439
10	QPSK	1	24	23.32	23.16	23.08	15.79439	15.63439	15.55439
10	QPSK	1	49	23.03	22.83	22.86	15.50439	15.30439	15.33439
10	QPSK	25	0	22.09	22.08	22.13	14.56439	14.55439	14.60439
10	QPSK	25	12	22.31	22.09	22.49	14.78439	14.56439	14.96439
10	QPSK	25	25	22.13	21.99	22.24	14.60439	14.46439	14.71439
10	QPSK	50	0	22.04	21.95	22.04	14.51439	14.42439	14.51439
10	16QAM	1	0	21.31	21.76	21.63	13.78439	14.23439	14.10439
10	16QAM	1	24	21.85	22.09	21.95	14.32439	14.56439	14.42439
10	16QAM	1	49	21.53	21.64	21.66	14.00439	14.11439	14.13439



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Band 13

BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low Ch23205/779.5MHz	POWER(dBm) Mid Ch23230/782MHz	POWER(dBm) High Ch23255/784.5MHz	ERP Low Ch23205/779.5MHz	ERP Mid Ch23230/782MHz	ERP High Ch23255/784.5MHz
5	QPSK	1	0	23.01	23.22	23.18	15.0451	15.2551	15.2151
5	QPSK	1	12	23.33	23.45	23.74	15.3651	15.4851	15.7751
5	QPSK	1	24	23.24	23.15	23.27	15.2751	15.1851	15.3051
5	QPSK	12	0	22.97	22.15	22.01	15.0051	14.1851	14.0451
5	QPSK	12	6	22.21	22.13	22.11	14.2451	14.1651	14.1451
5	QPSK	12	13	22.19	22.22	22.18	14.2251	14.2551	14.2151
5	QPSK	25	0	22.17	22.09	22.11	14.2051	14.1251	14.1451
5	16QAM	1	0	21.91	22.11	21.54	13.9451	14.1451	13.5751
5	16QAM	1	12	22.08	22.63	22.26	14.1151	14.6651	14.2951
5	16QAM	1	24	21.84	21.78	21.85	13.8751	13.8151	13.8851
BW(MHz)	Modulation	RB Size	RB offset	POWER(dBm) Low&Mid&High Ch23230/782MHz			ERP Mid Ch23230/782MHz		
10	QPSK	1	0	23.01			15.0451		
10	QPSK	1	24	23.05			15.0851		
10	QPSK	1	49	23.02			15.0551		
10	QPSK	25	0	22.16			14.1951		
10	QPSK	25	12	22.17			14.2051		
10	QPSK	25	25	22.22			14.2551		
10	QPSK	50	0	22.19			14.2251		
10	16QAM	1	0	22.07			14.1051		
10	16QAM	1	24	22.08			14.1151		
10	16QAM	1	49	22.18			14.2151		

Note:

EIRP = Conducted power + antenna gain

ERP = EIRP -2.15

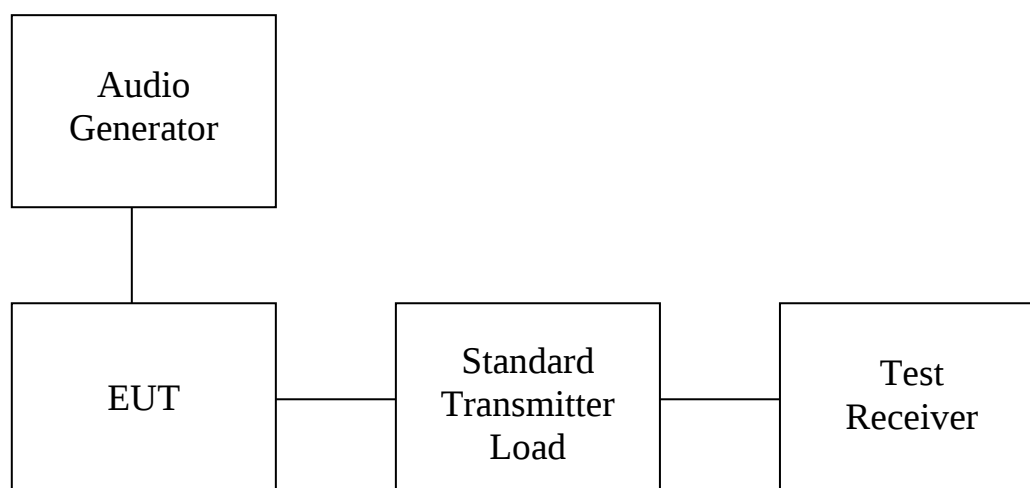
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

4 Modulation Characteristics

4.1 Test procedure

- ☐ A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.
The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation response is measured at certain modulation frequencies, related to 1000Hz reference signal. Tests are performed for positive and negative modulation.
- ☐ Equipment which employs modulation Limiting: A curve or family of curves showing the percentage of modulation versus the modulation input voltage shall be supplied. The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation limiting is measured at certain modulation frequencies from 100Hz to 15kHz.



4.2 Test Results

For digital modulation employed, this test item is not applicable.

Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

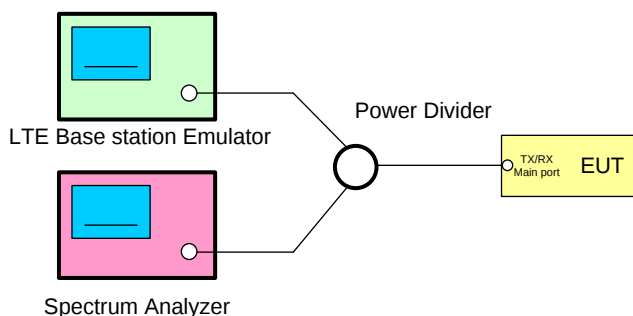
5 Peak-to-Average Ratio

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

5.1 Test procedure

1. The EUT main port was connected to the LTE emulator and spectrum analyzer via power divider
2. For Spectrum Analyzer setting :
3. Set the CCDF function in spectrum analyzer.
4. Set RBW $\geq$ signal's occupied bandwidth.
5. Set the number of counts to a value that stabilizes the measured CCDF curve.
6. Set the measurement interval (sweep time) to 1ms.
7. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%
8. Record the deviation as Peak to Average Ratio.

5.2 Test Set up





Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

5.3 Test Results

Test date: July 30, 2025

Temperature: 25.8 °C

Humidity: 58.0 %

Tester: Sora

Band 2

20 MHz

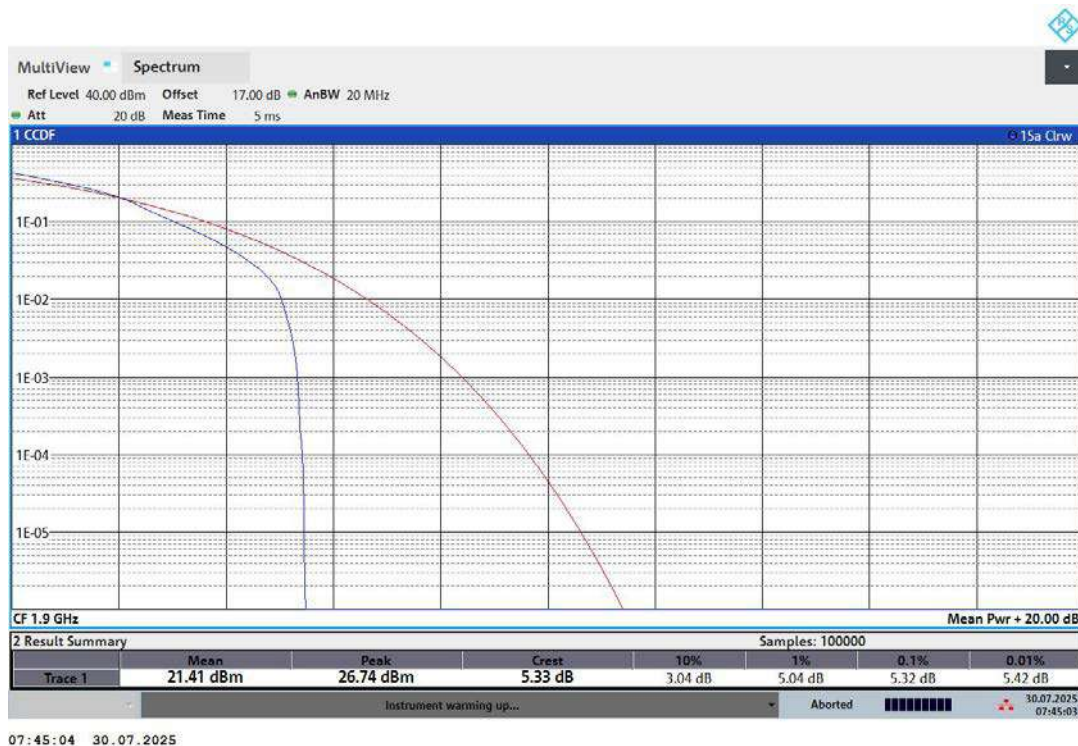
16QAM





Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC





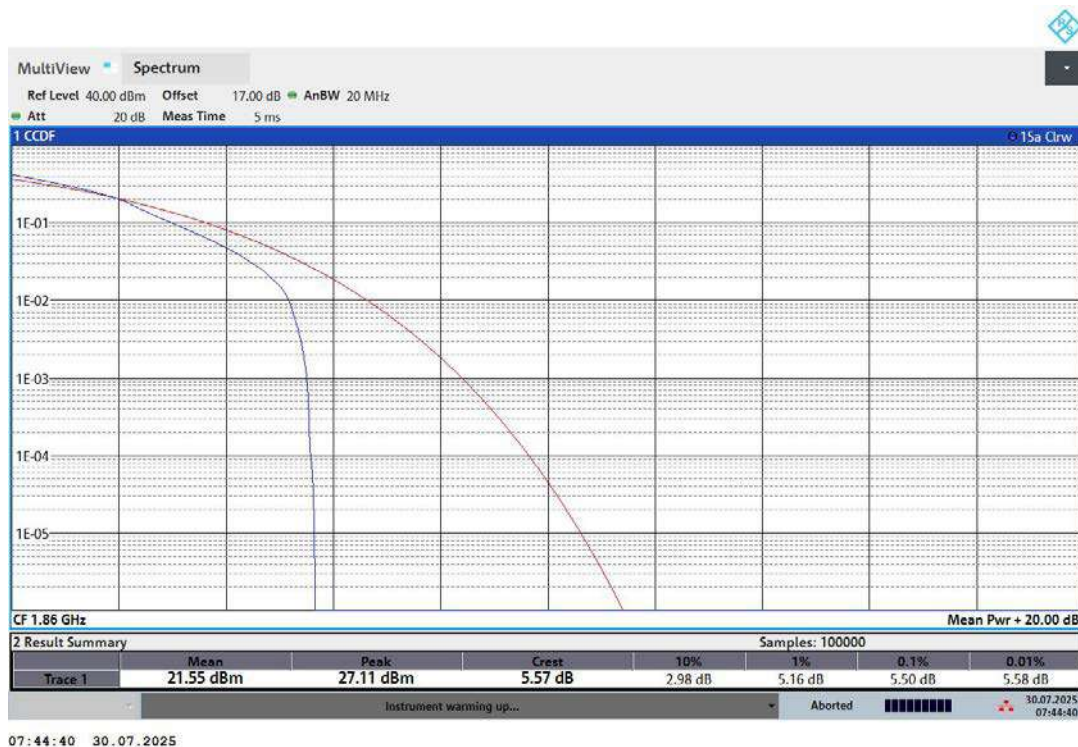
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FCC ID: GX9MOBLIR32ADC

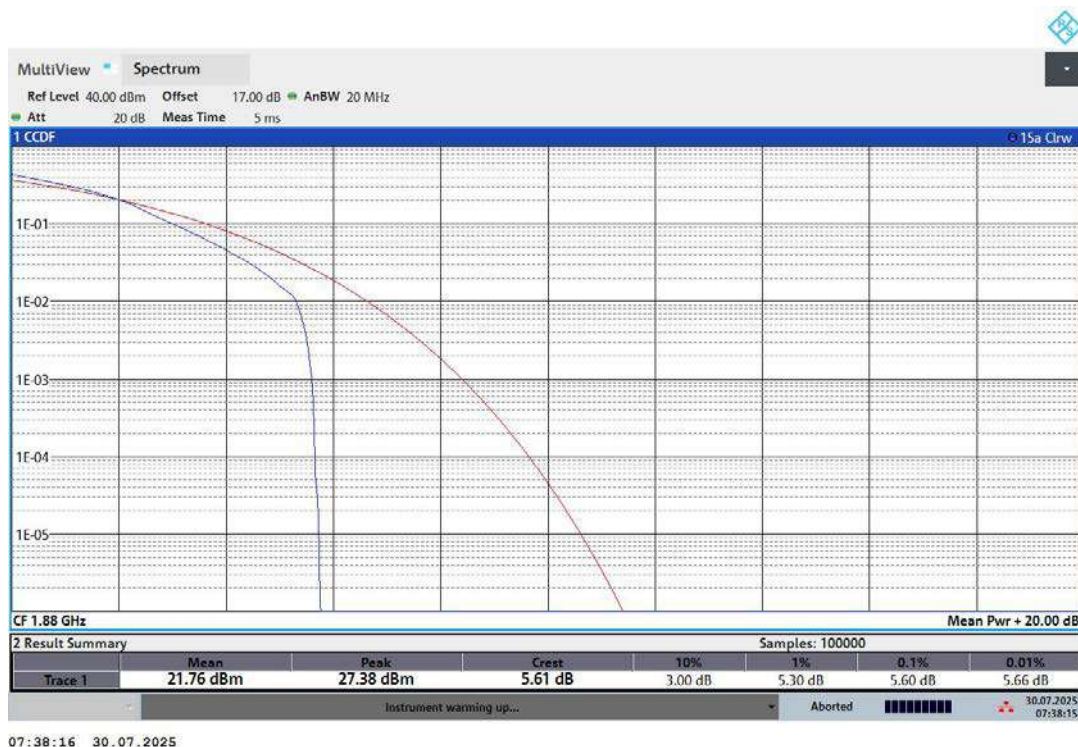
Band 4

20 MHz

16QAM



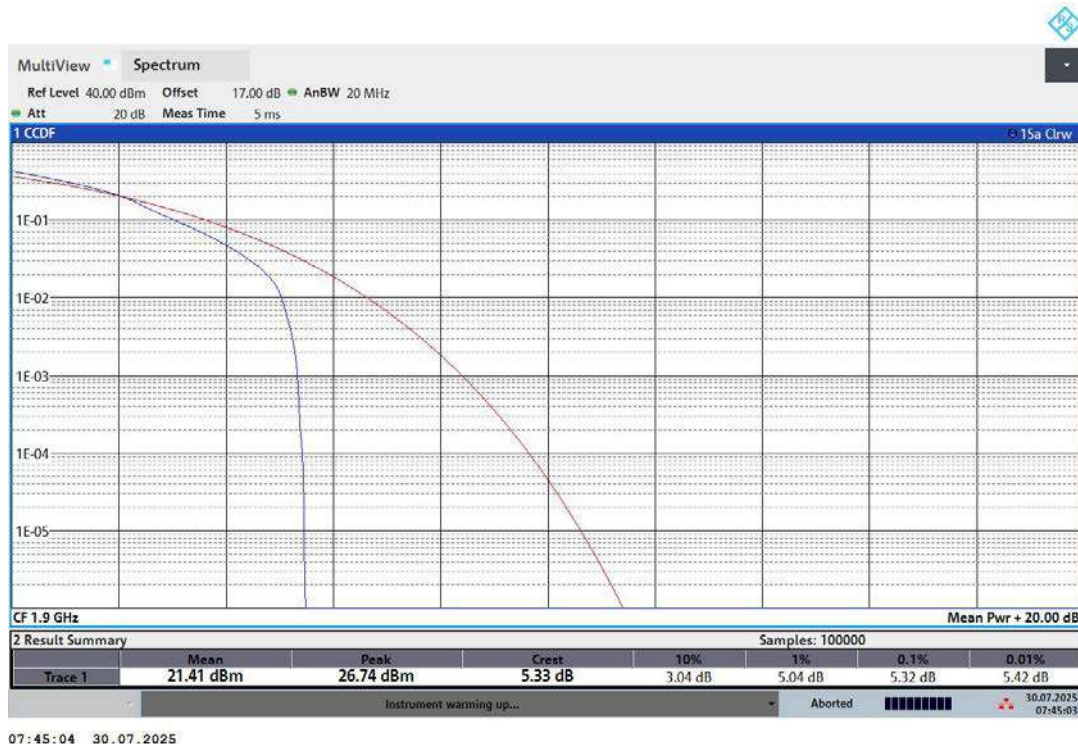
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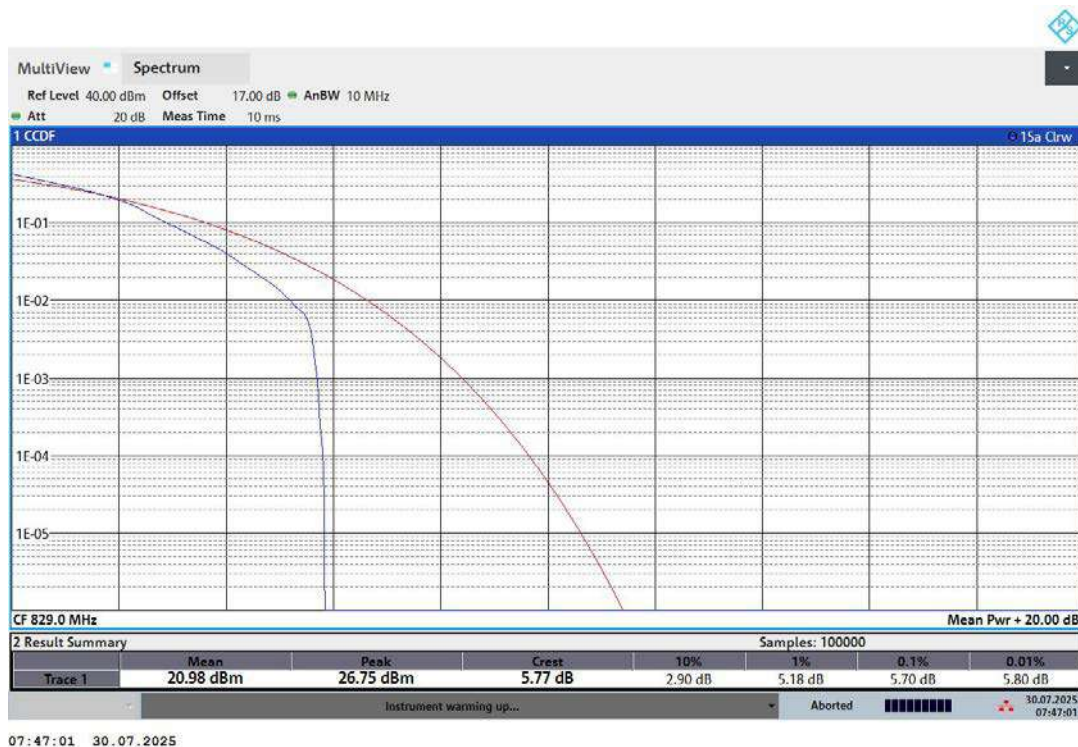
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Registration number: W6M22507-24605-C-247
FCC ID: GX9MOBLIR32ADC



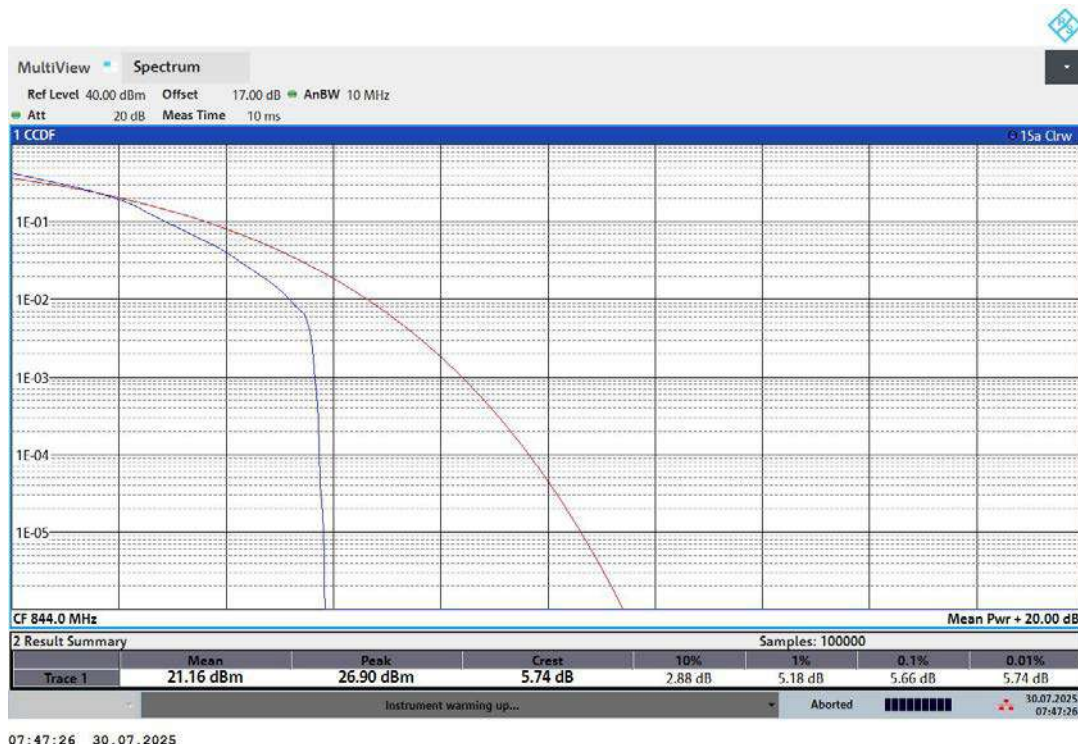
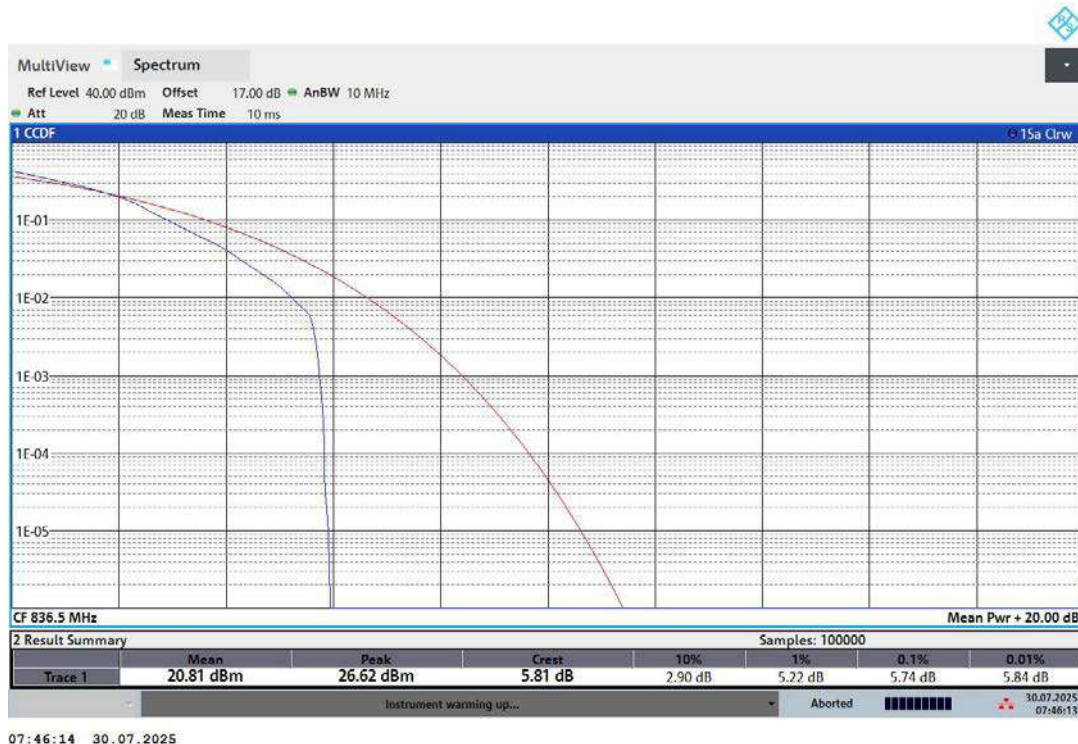
Band 5
10 MHz
16QAM





Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC





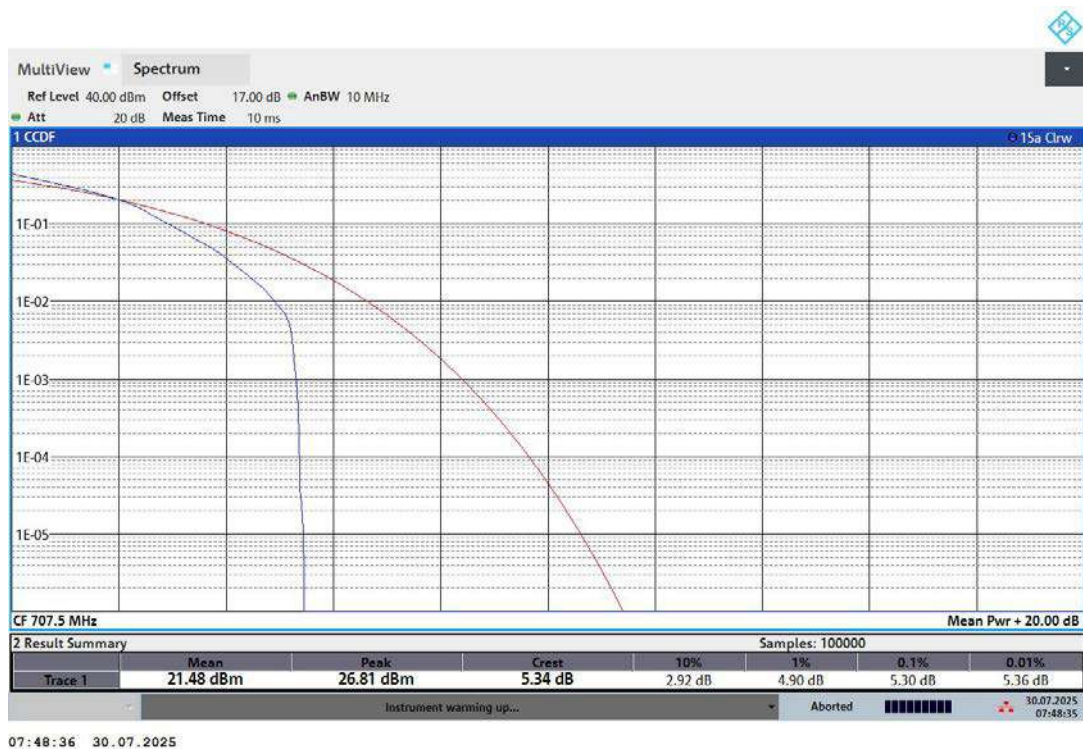
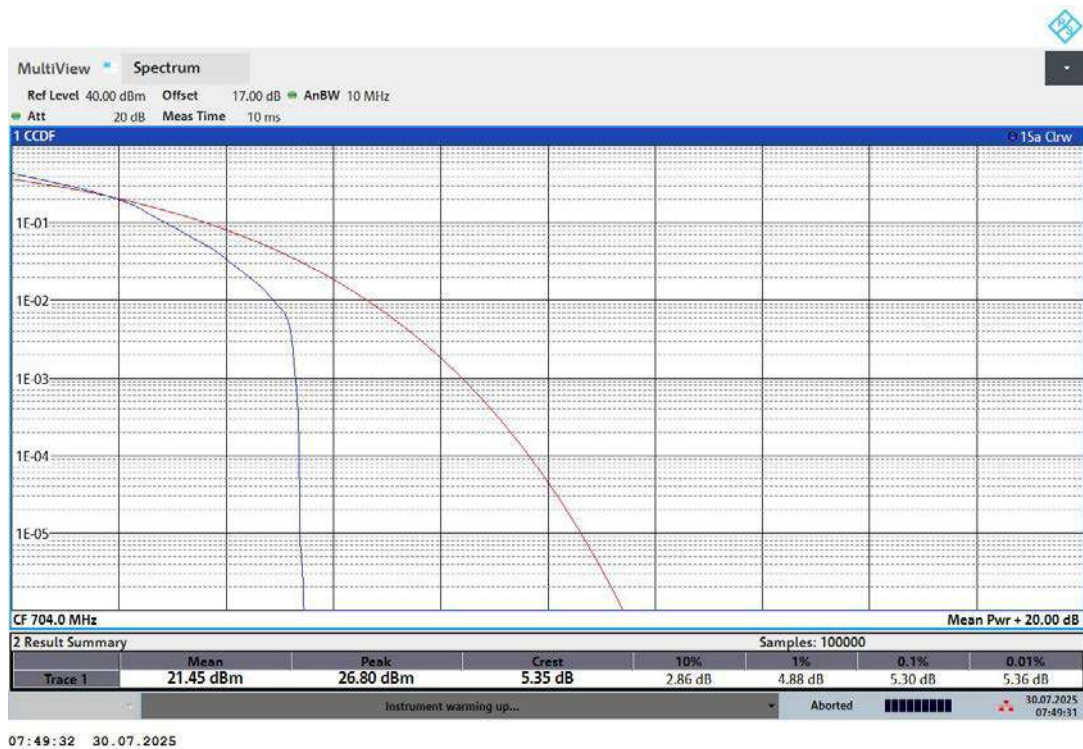
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

Band 12

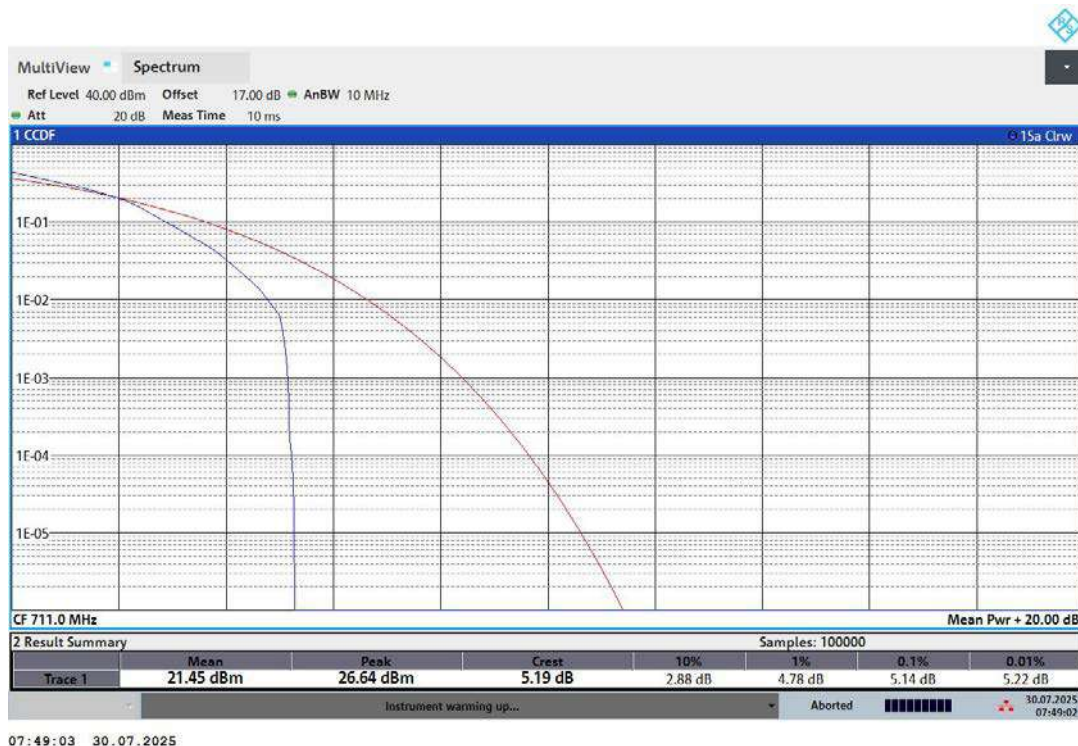
10 MHz

16QAM

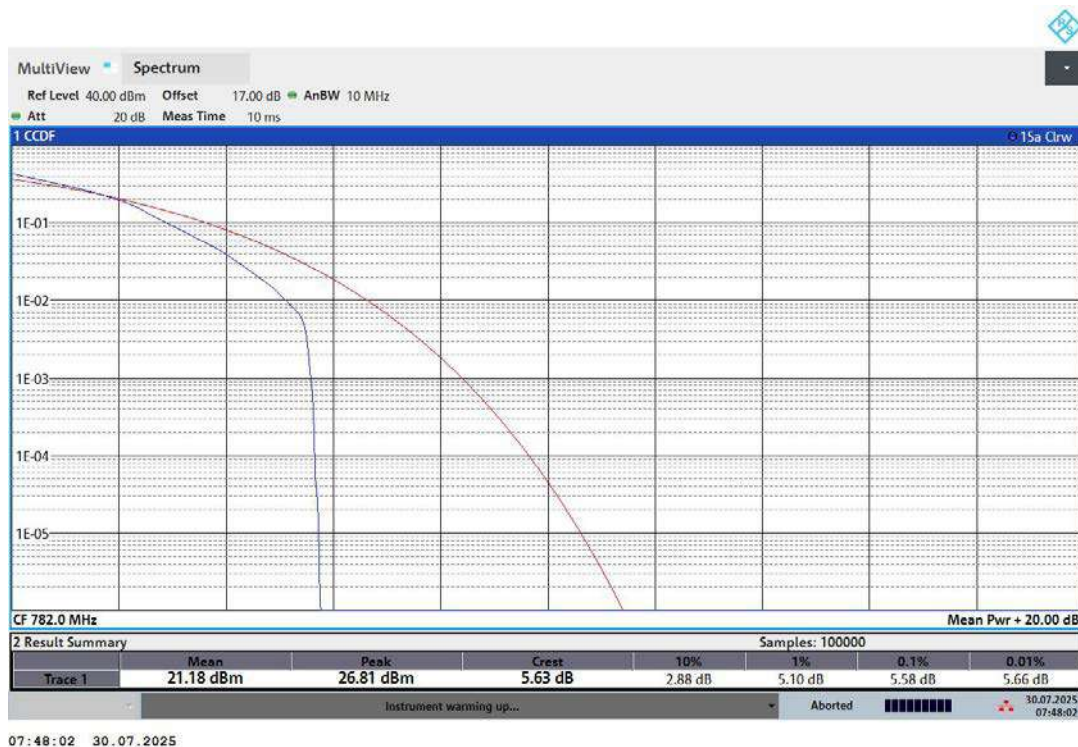




Registration number: W6M22507-24605-C-247
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Band 13
10 MHz
16QAM



Limit according to FCC §24.232 and §27.50, The peak-to-average ratio(PAR) of the transmission may not exceed 13dB.

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6 Occupied Bandwidth

The occupied bandwidth (OBW) is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to a specified percentage 0.5% of the total mean transmitted power.

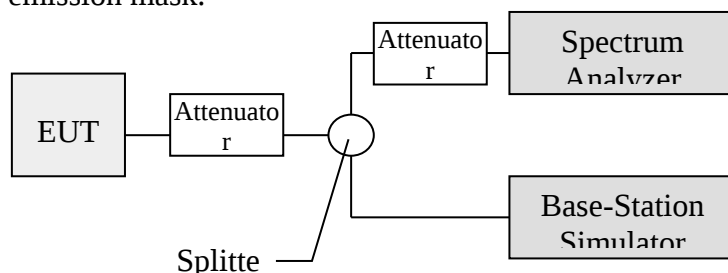
The 26 dB occupied bandwidth is the width of a frequency band such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal 26 dB.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

6.1 Test procedure

The RF output of the transceiver was connected as the following figure.

Occupied Bandwidth was measured with a occupied bandwidth function of the analyzer at 99% power was occupied. Then set the spectrum analyzer to cover the upper and lower band edges to measure emission mask.





Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

6.2 Test Results

Test date: July 30, 2025

Temperature: 25.8 °C

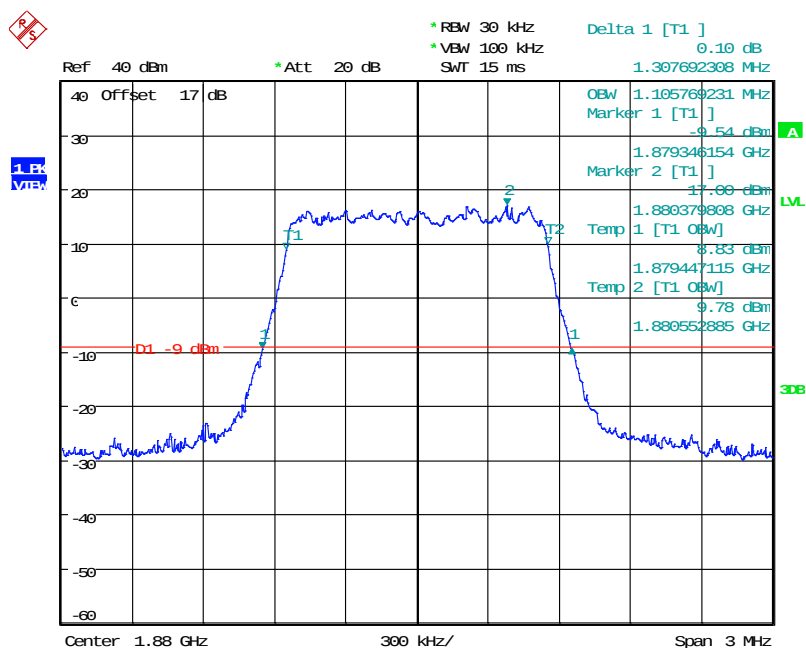
Humidity: 58.0 %

Tester: Sora

Band 2

1.4 MHz

QPSK



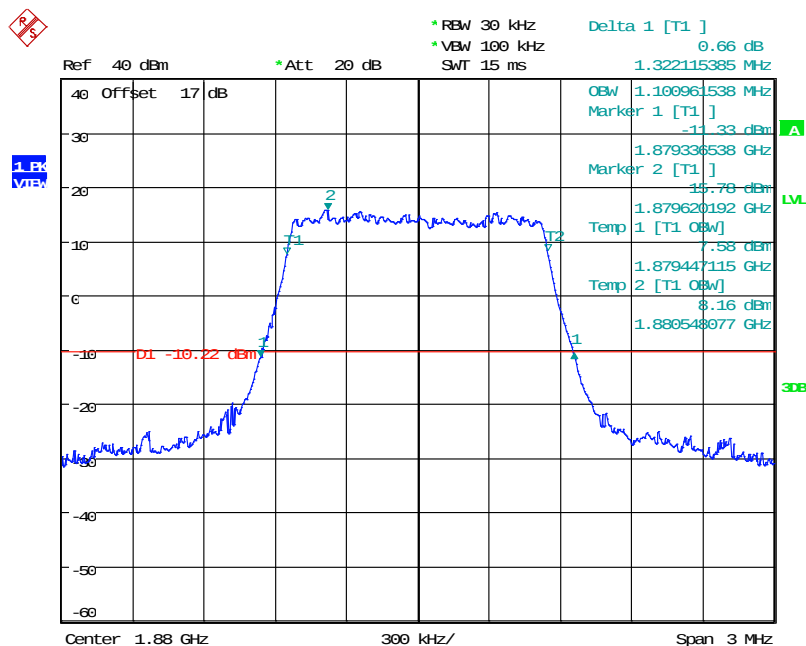
Date: 30.JUL.2025 11:32:50



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

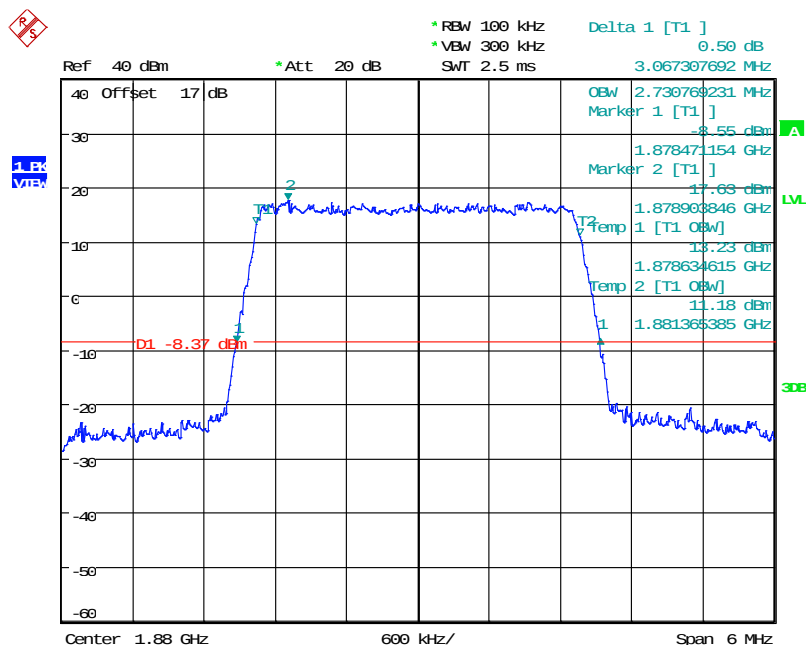
16QAM



Date: 30.JUL.2025 11:40:09

3 MHz

QPSK



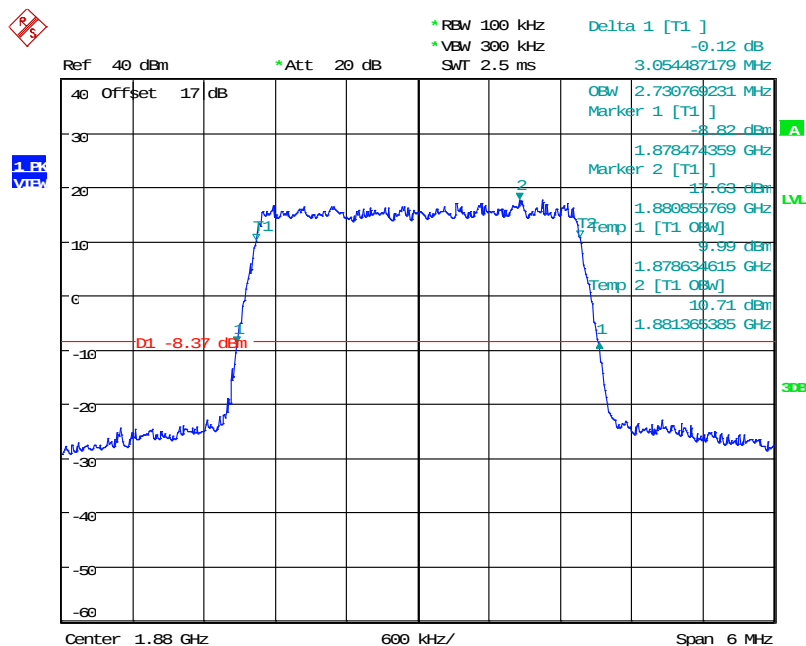
Date: 30.JUL.2025 11:31:37



Registration number: W6M22507-24605-C-247

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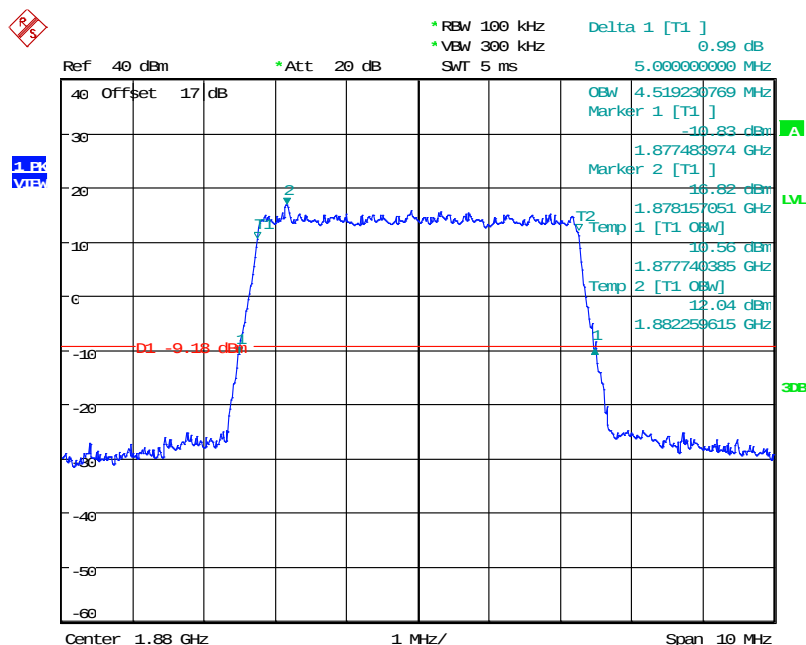
16QAM



Date: 30.JUL.2025 11:23:39

5 MHz

QPSK



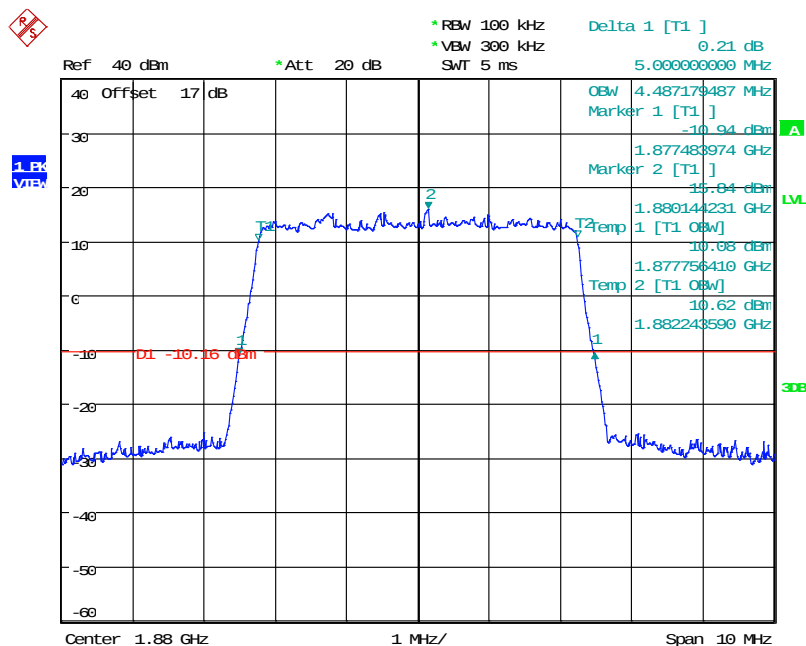
Date: 30.JUL.2025 11:05:13



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

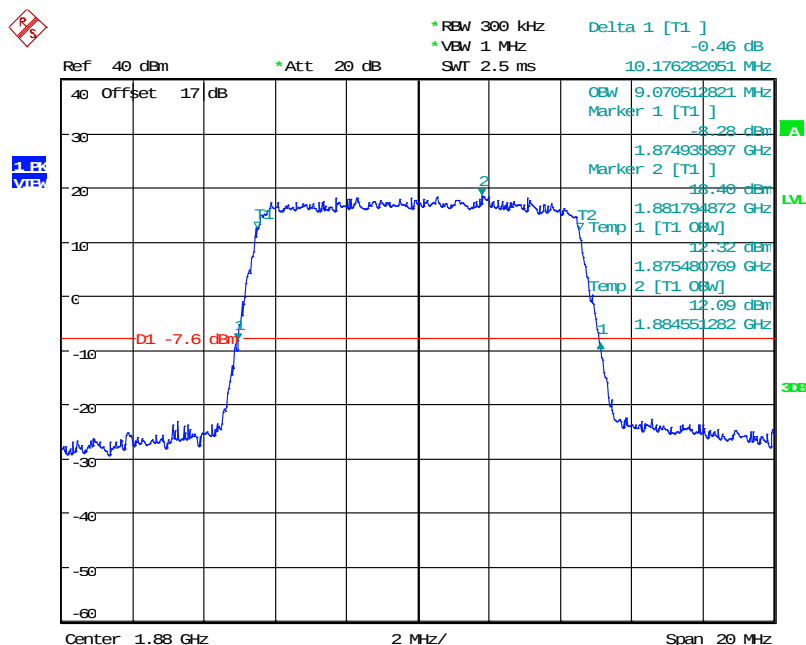
16QAM



Date: 30.JUL.2025 11:15:56

10 MHz

QPSK



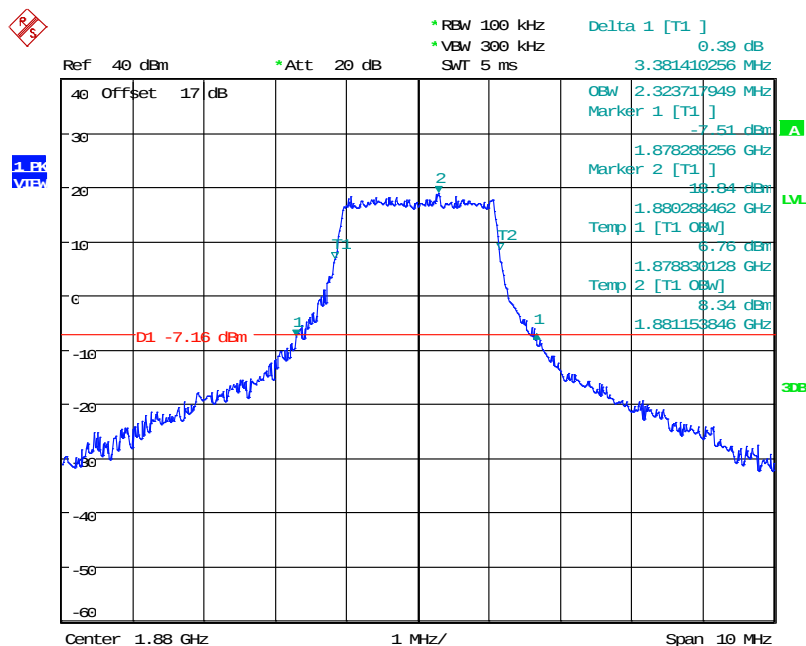
Date: 30.JUL.2025 10:52:37



Registration number: W6M22507-24605-C-247

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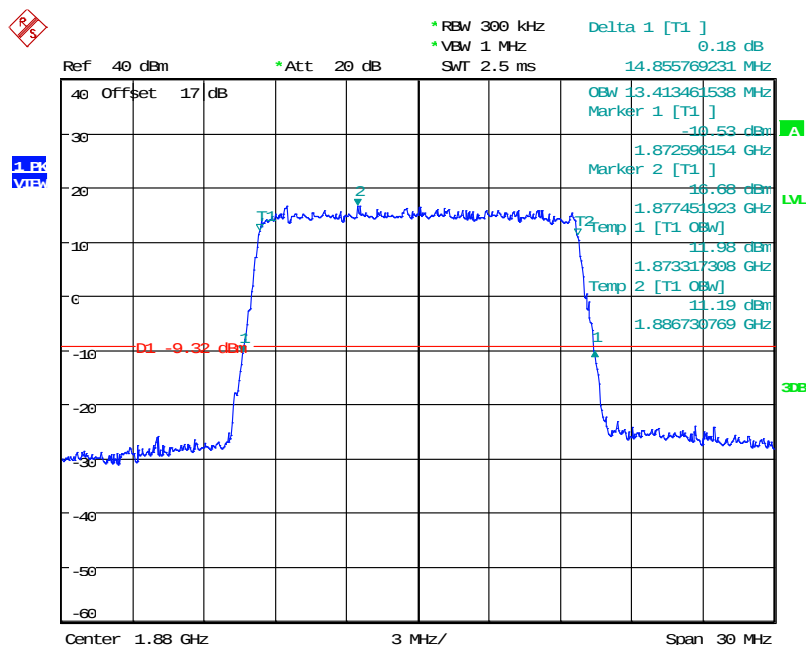
16QAM



Date: 30.JUL.2025 11:03:44

15 MHz

QPSK



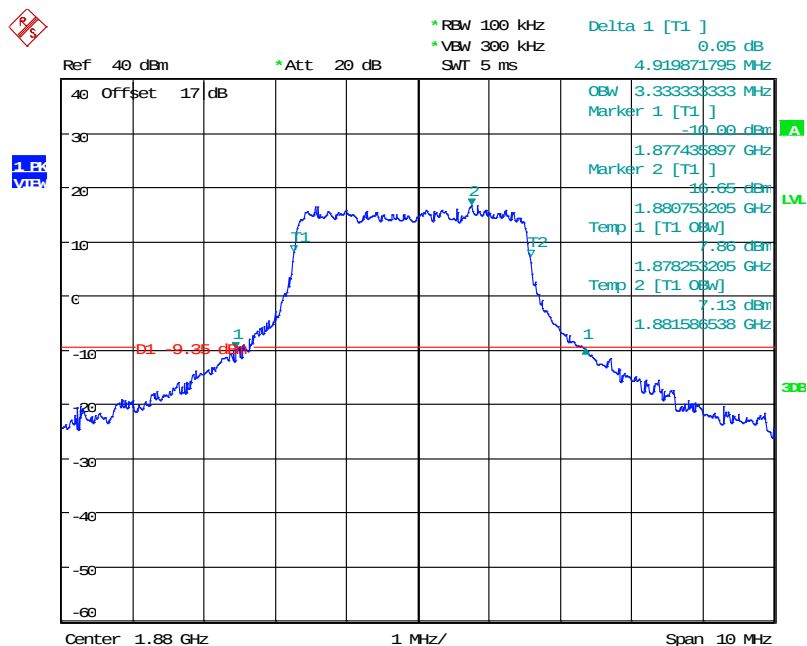
Date: 30.JUL.2025 10:49:03



Registration number: W6M22507-24605-C-247

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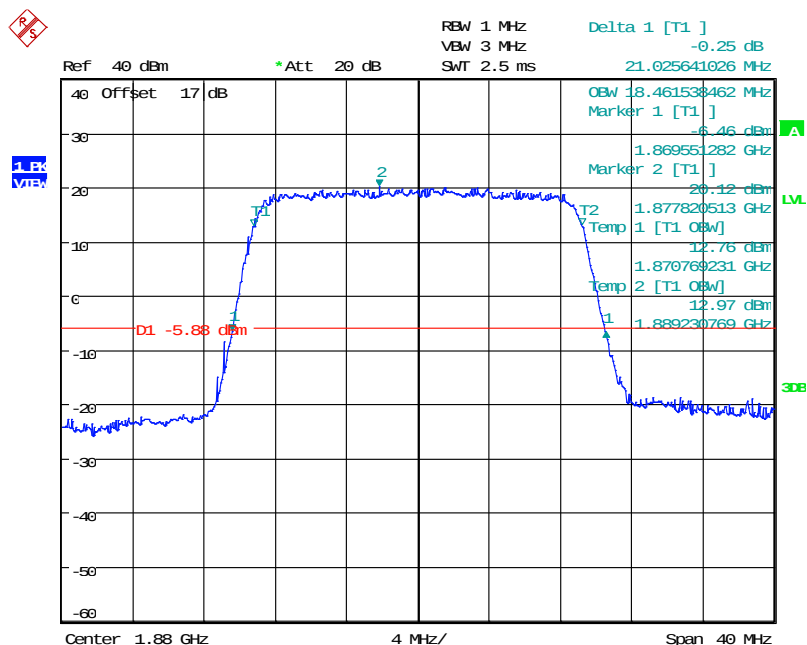
16QAM



Date: 30.JUL.2025 10:45:29

20 MHz

QPSK



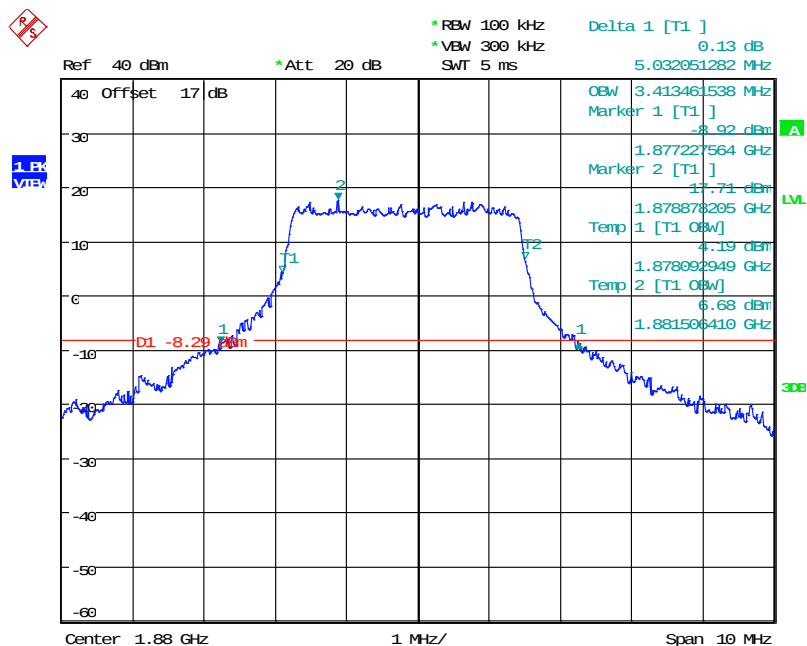
Date: 30.JUL.2025 10:38:53



Registration number: W6M22507-24605-C-247

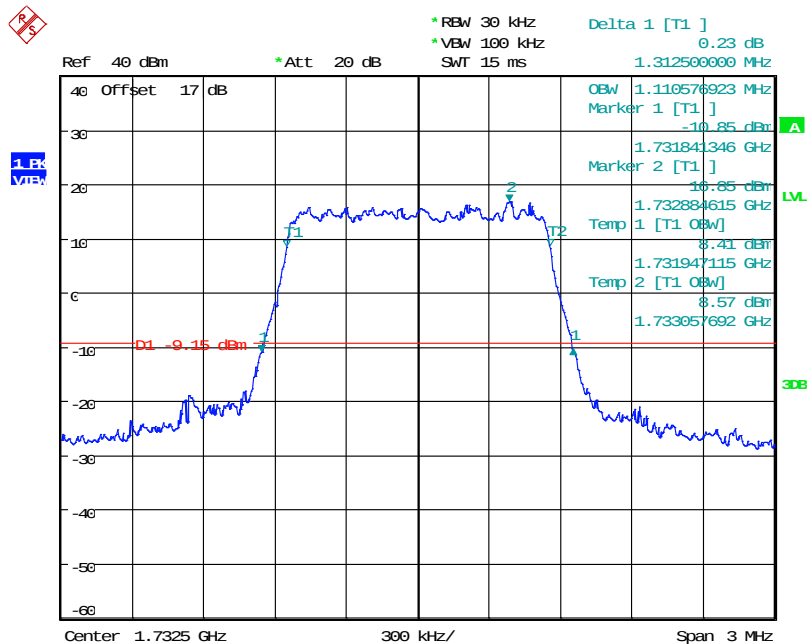
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16QAM



Date: 30.JUL.2025 10:43:38

Band 4
1.4 MHz
QPSK



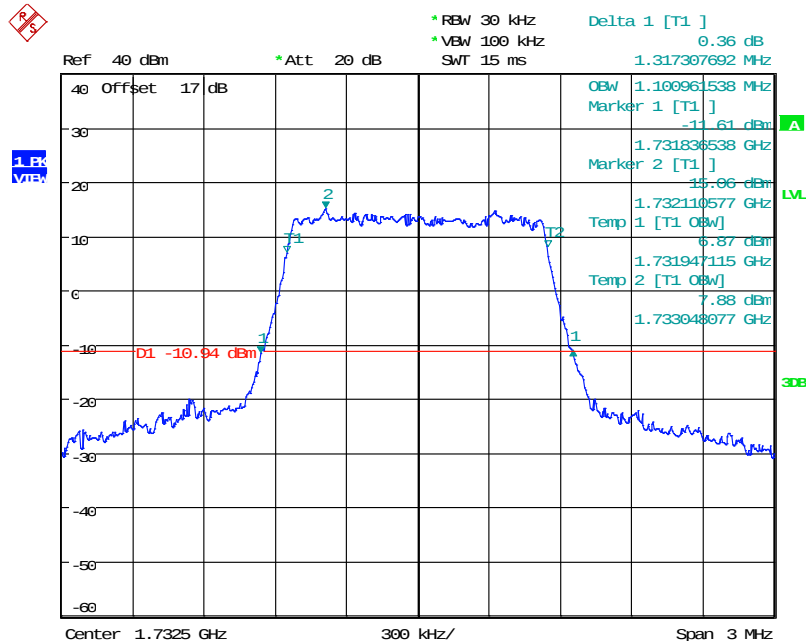
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Registration number: W6M22507-24605-C-247

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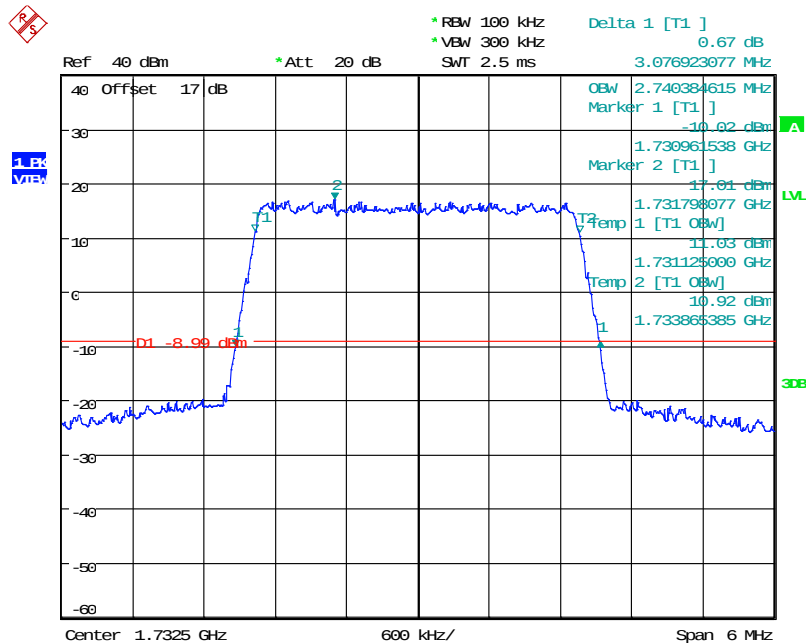
16QAM



Date: 30.JUL.2025 11:39:13

3 MHz

QPSK



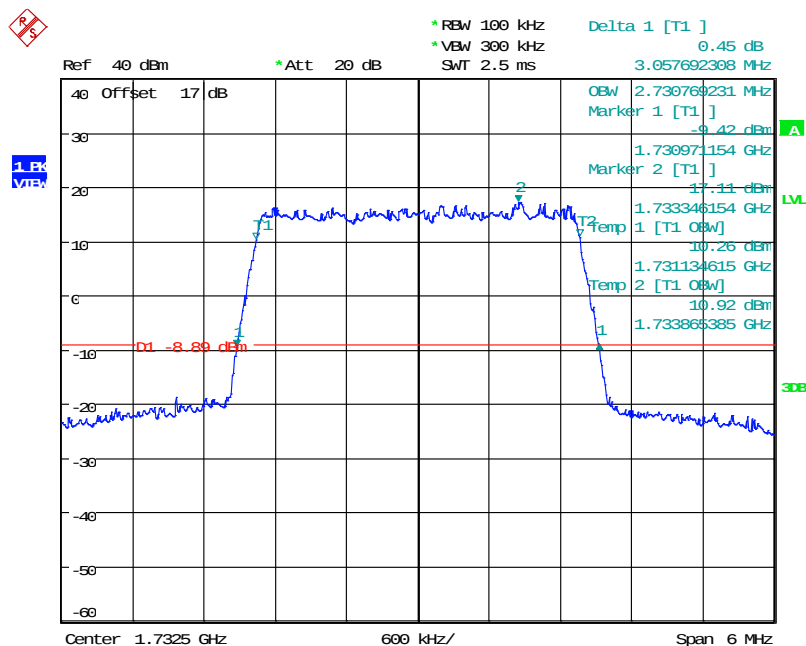
Date: 30.JUL.2025 11:30:16



Registration number: W6M22507-24605-C-247

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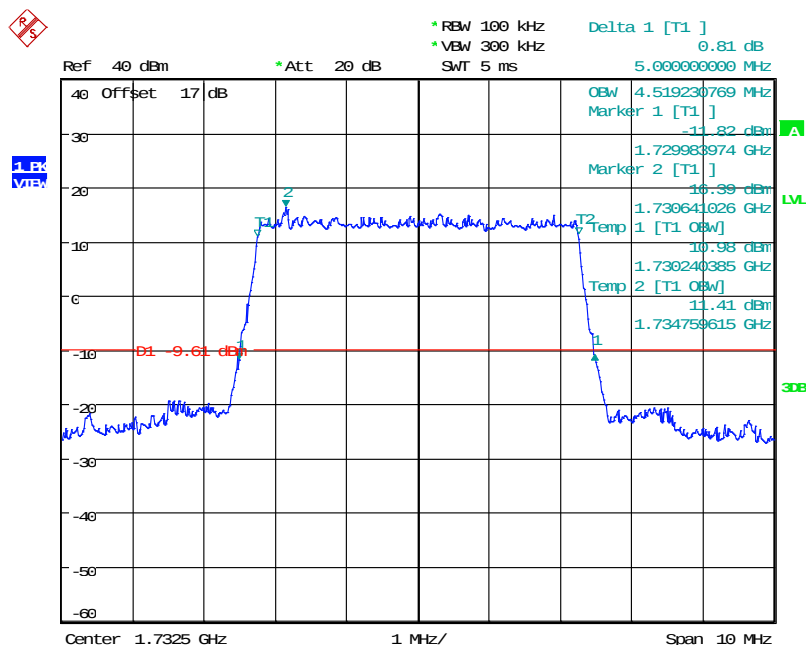
16QAM



Date: 30.JUL.2025 11:24:50

5 MHz

QPSK



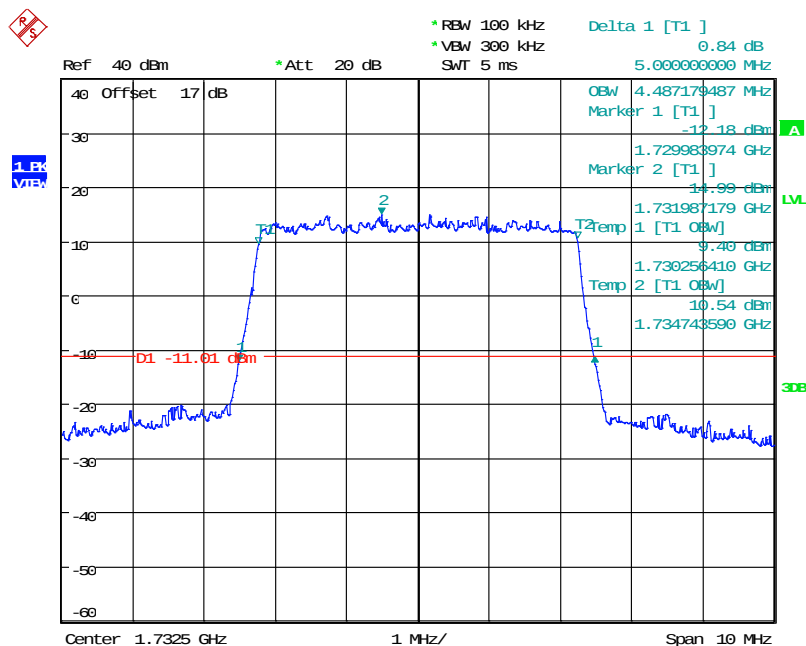
Date: 30.JUL.2025 11:06:32



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

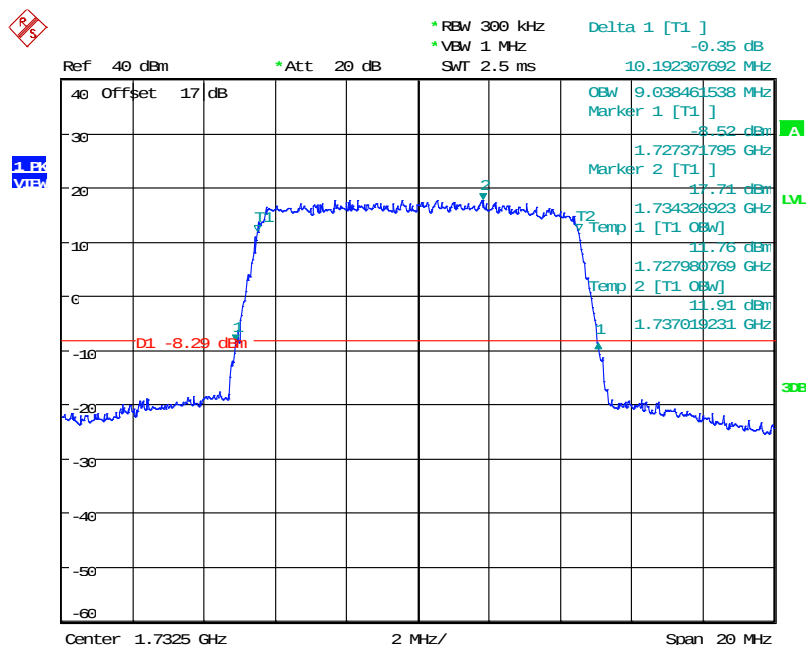
16QAM



Date: 30.JUL.2025 11:14:47

10 MHz

QPSK



Date: 30.JUL.2025 10:53:40

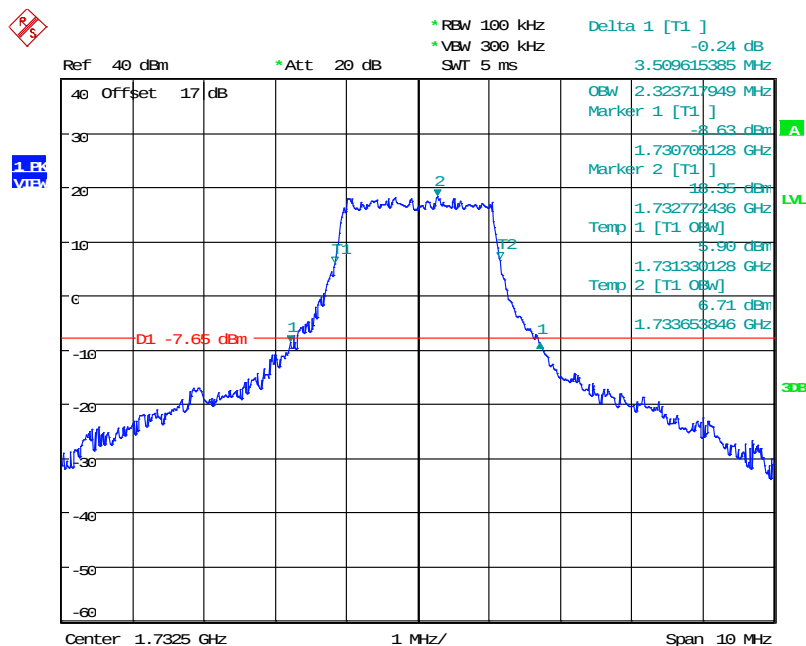


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22507-24605-C-247

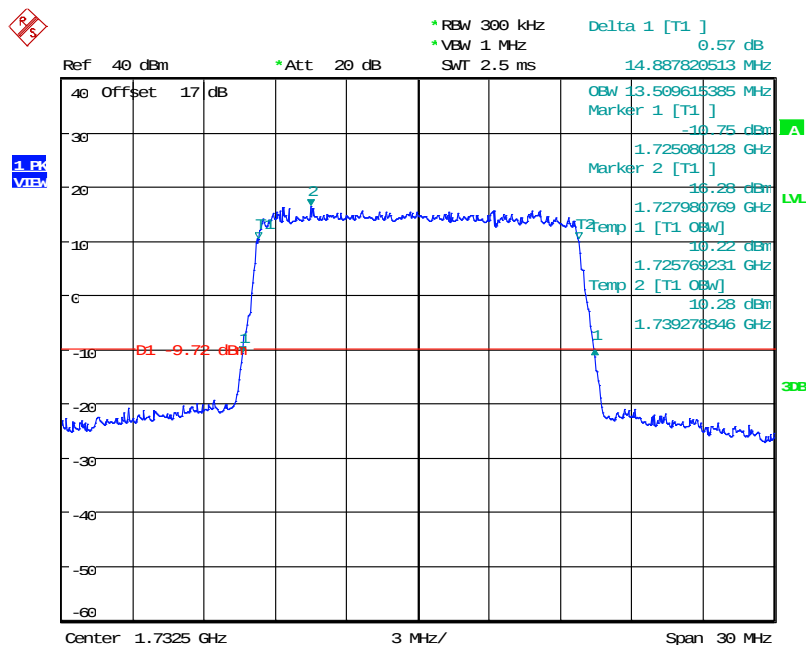
FCC ID: GX9MOBLIR32ADC

16QAM



Date: 30.JUL.2025 11:02:41

15 MHz
QPSK



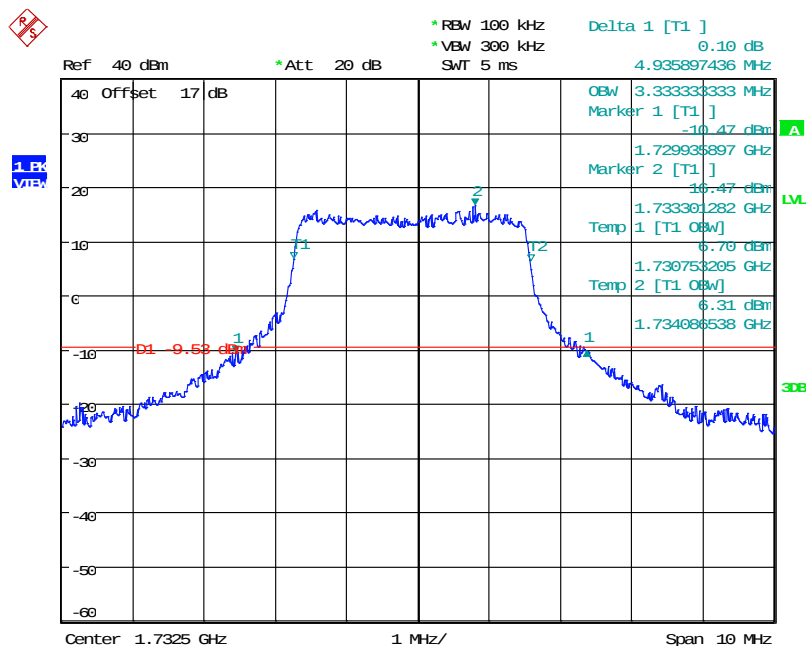
Date: 30.JUL.2025 10:48:02



Registration number: W6M22507-24605-C-247

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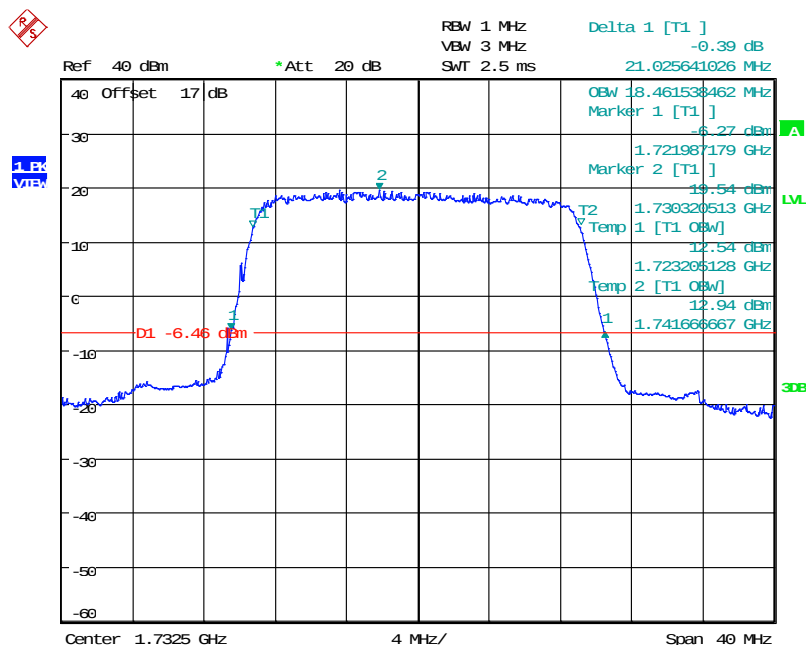
16QAM



Date: 30.JUL.2025 10:46:38

20 MHz

QPSK



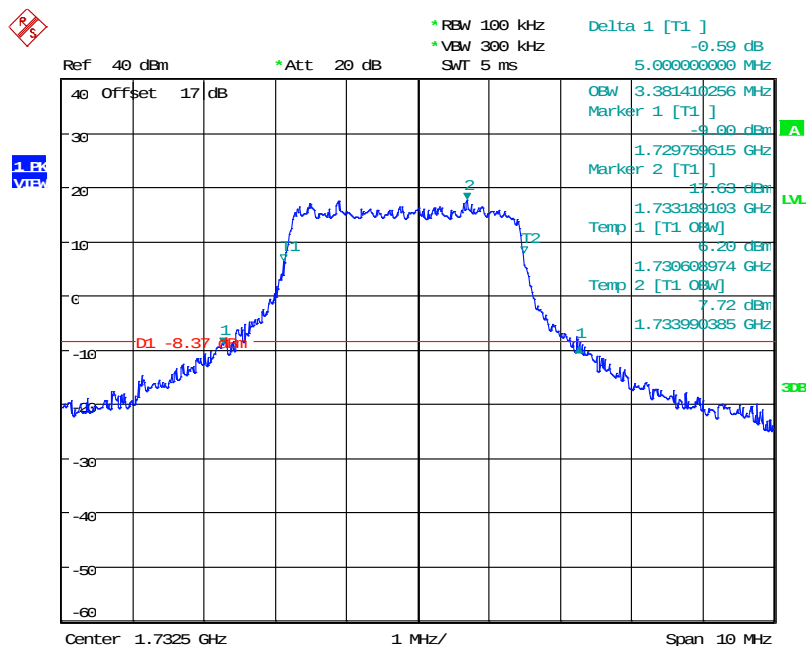
Date: 30.JUL.2025 10:40:06



Registration number: W6M22507-24605-C-247

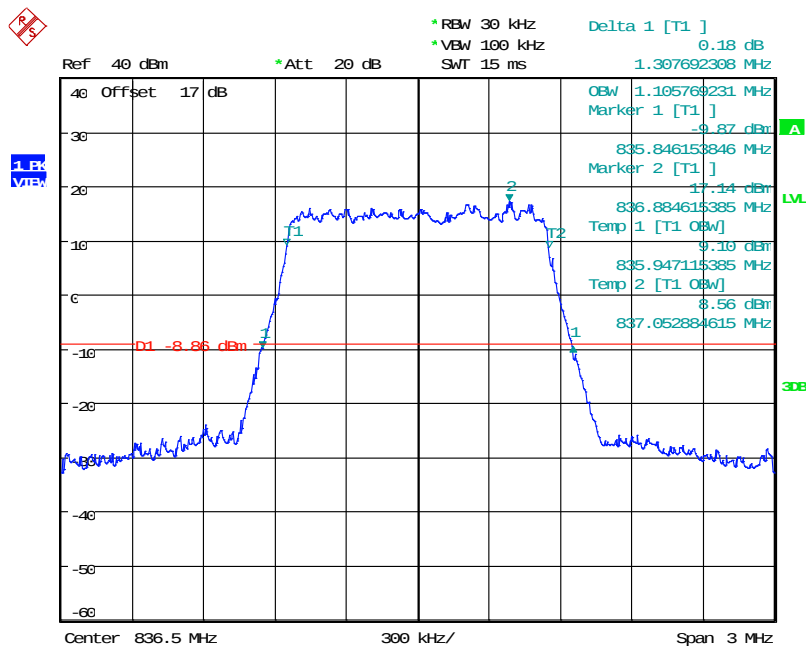
FCC ID: GX9MOBLIR32ADC

16QAM



Date: 30.JUL.2025 10:42:16

Band 5
1.4 MHz
QPSK



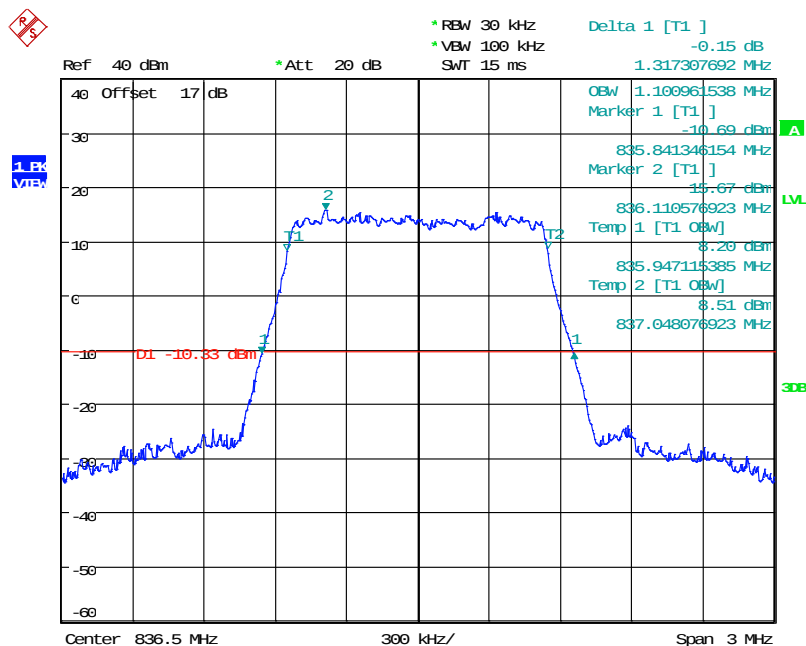
Date: 30.JUL.2025 11:35:08



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

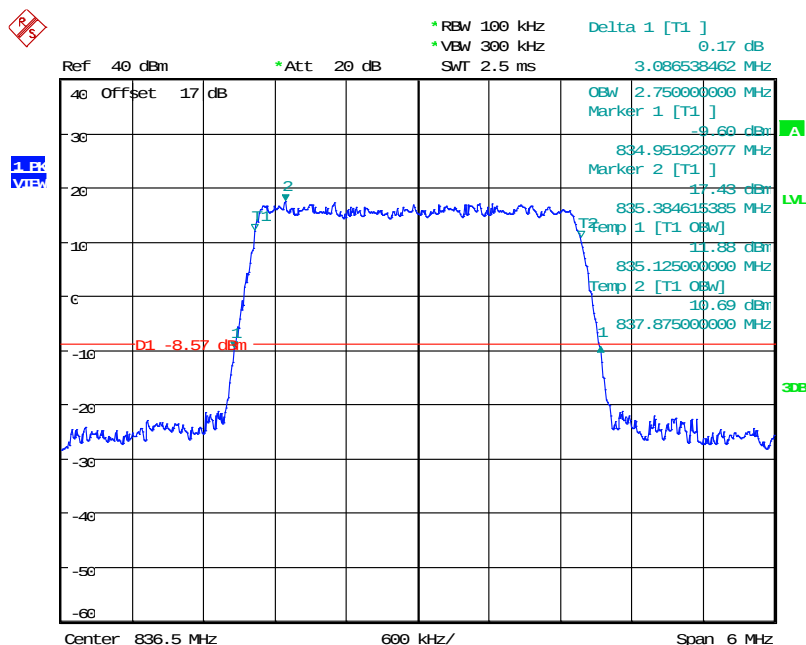
16QAM



Date: 30.JUL.2025 11:38:11

3 MHz

QPSK



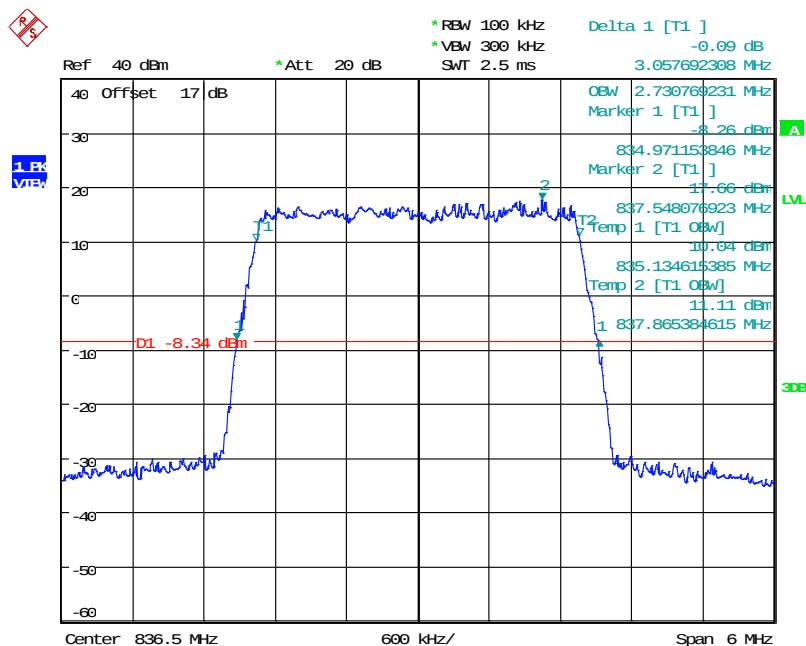
Date: 30.JUL.2025 11:29:18



Registration number: W6M22507-24605-C-247

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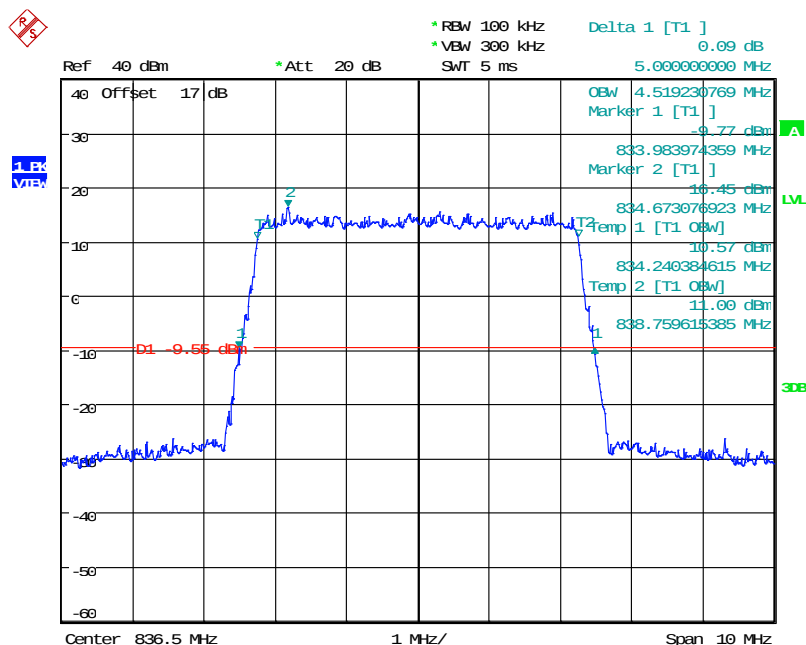
16QAM



Date: 30.JUL.2025 11:26:01

5 MHz

QPSK



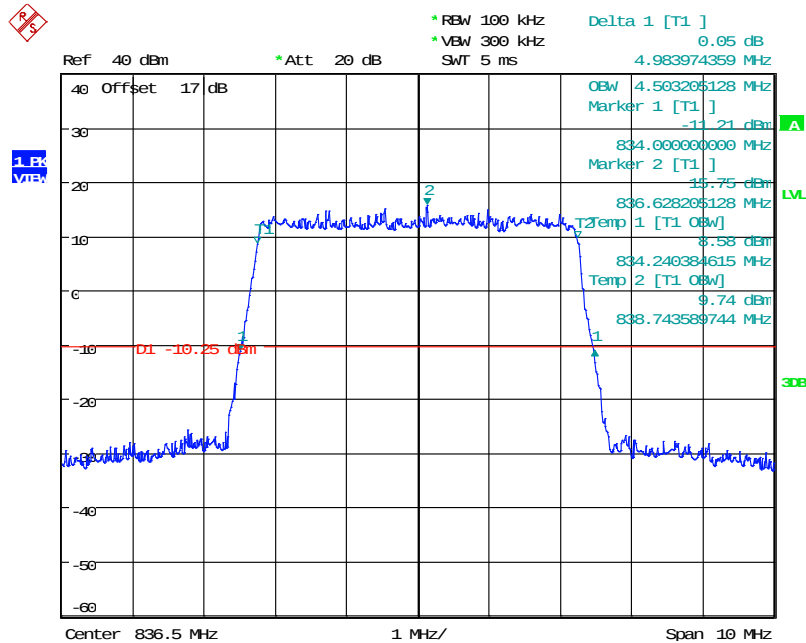
Date: 30.JUL.2025 11:07:44



Registration number: W6M22507-24605-C-247

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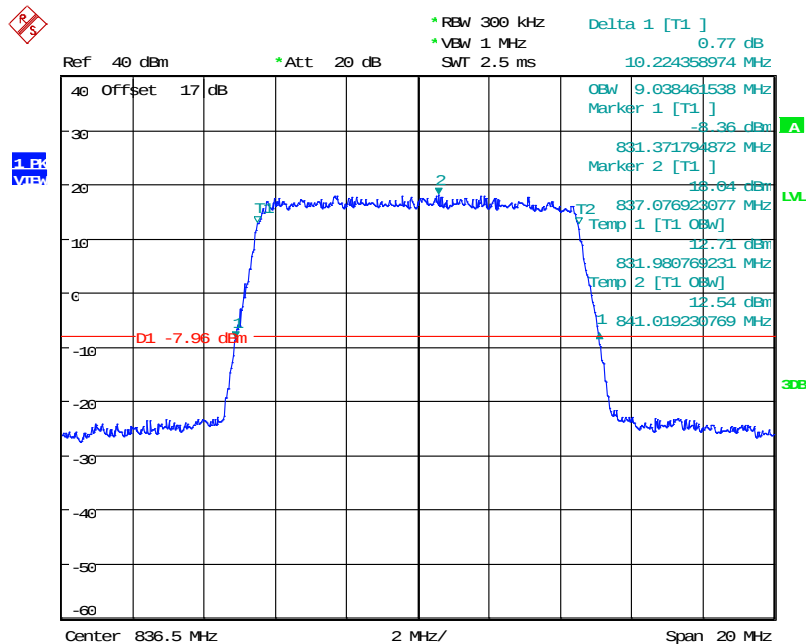
16QAM



Date: 30.JUL.2025 11:13:36

10 MHz

QPSK



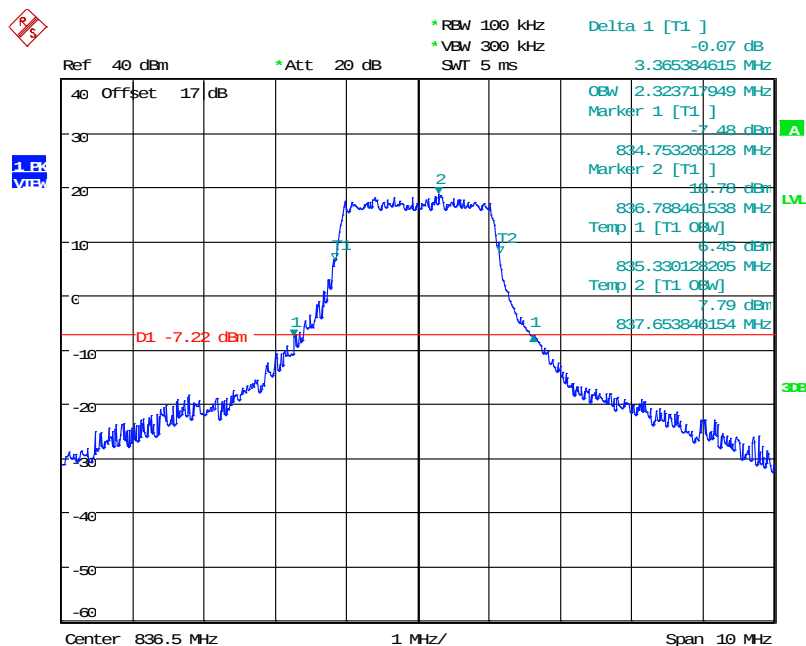
Date: 30.JUL.2025 10:54:47



Registration number: W6M22507-24605-C-247

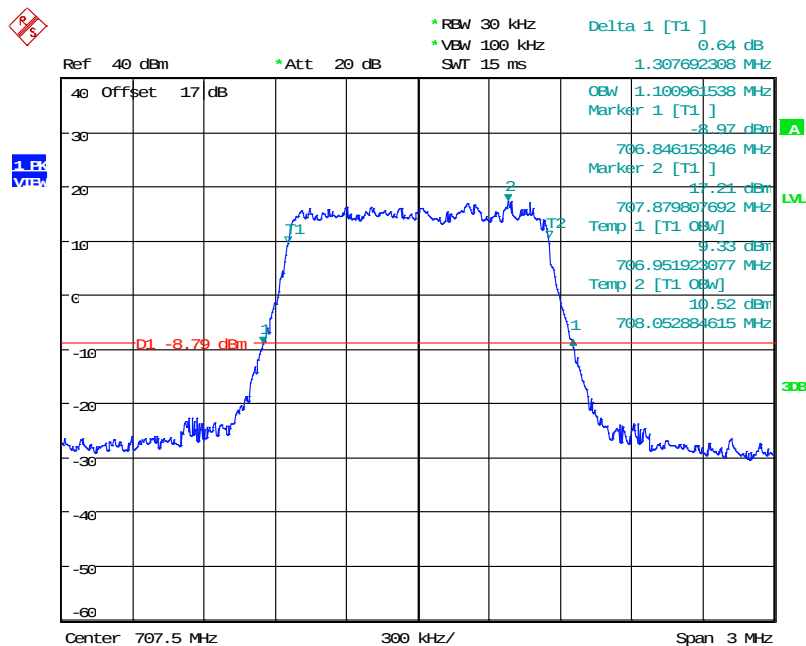
FCC ID: GX9MOBLIR32ADC

16QAM



Date: 30.JUL.2025 11:01:25

Band 12
1.4 MHz
QPSK



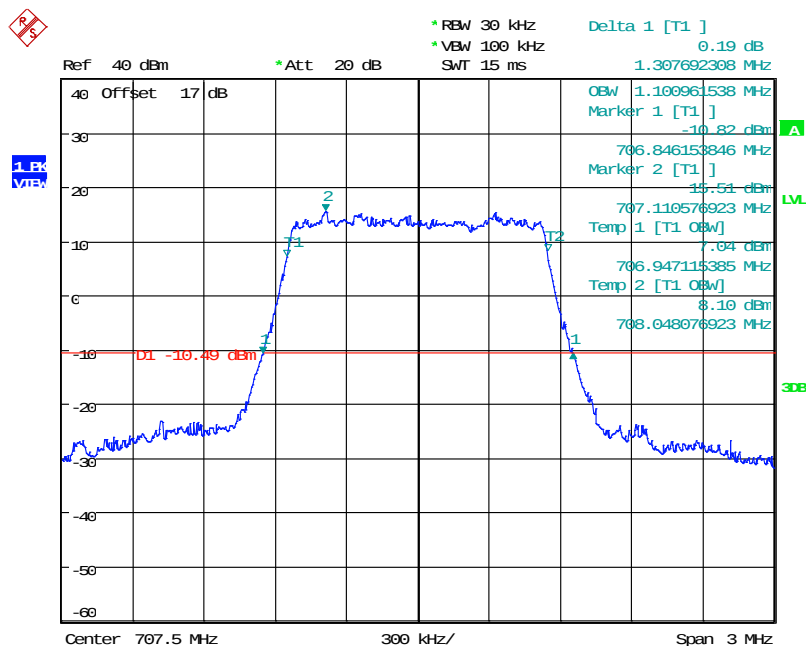
Date: 30.JUL.2025 11:36:05



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

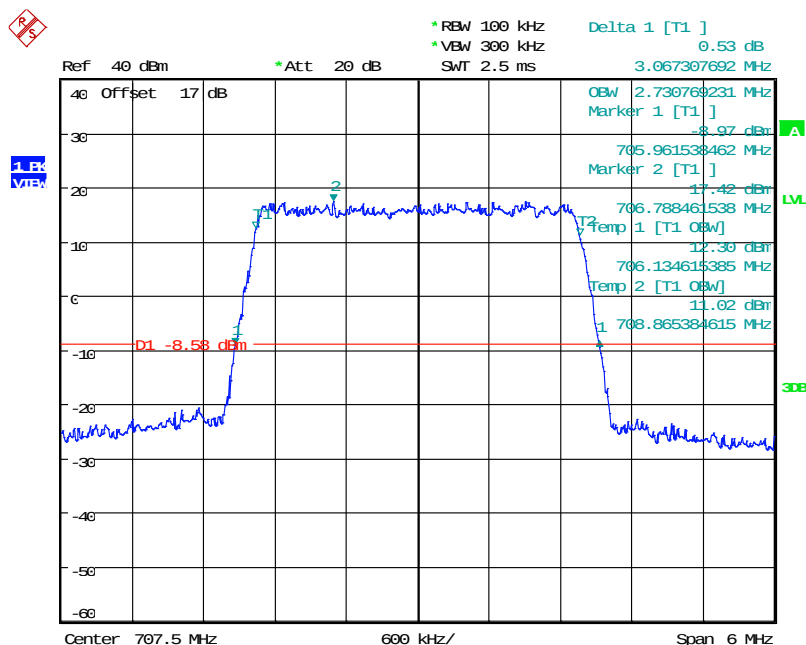
16QAM



Date: 30.JUL.2025 11:37:02

3 MHz

QPSK



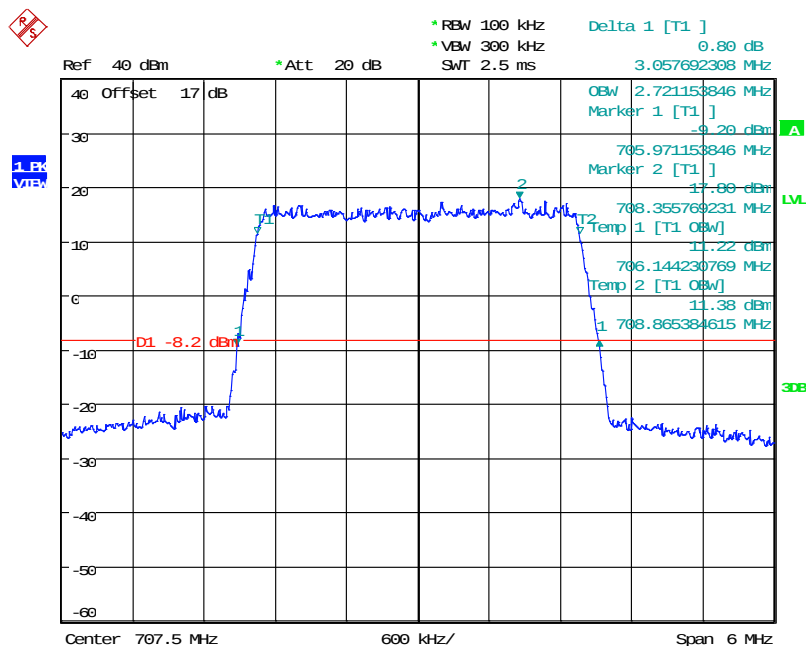
Date: 30.JUL.2025 11:28:08



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

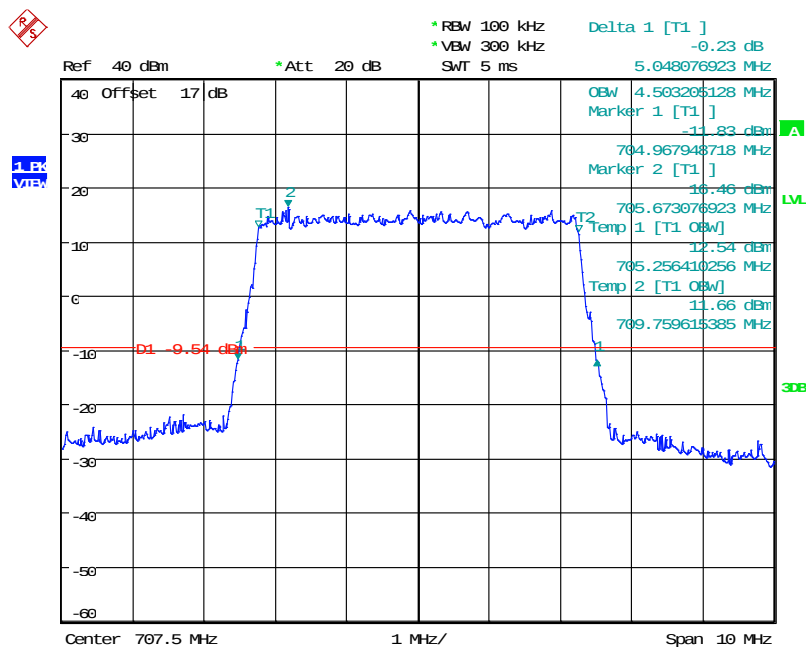
16QAM



Date: 30.JUL.2025 11:27:09

5 MHz

QPSK



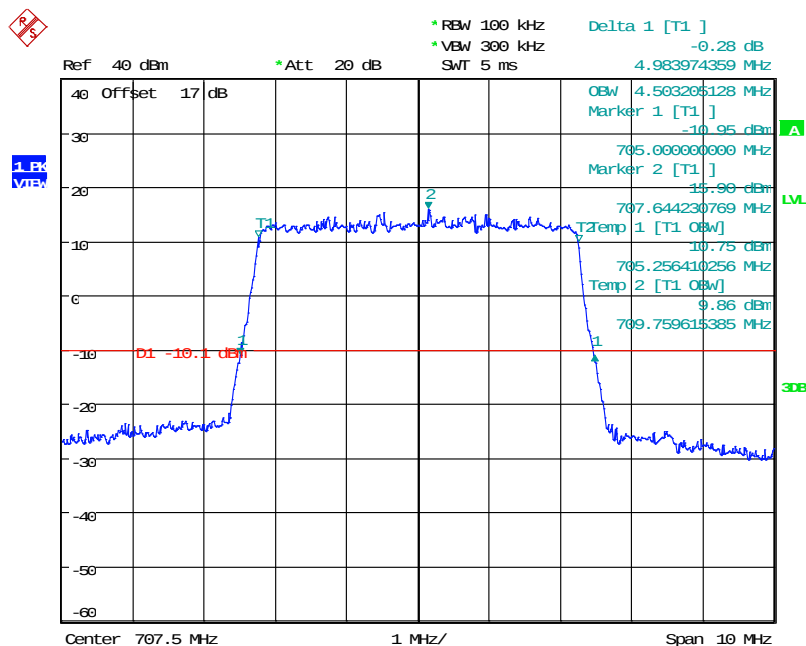
Date: 30.JUL.2025 11:09:01



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

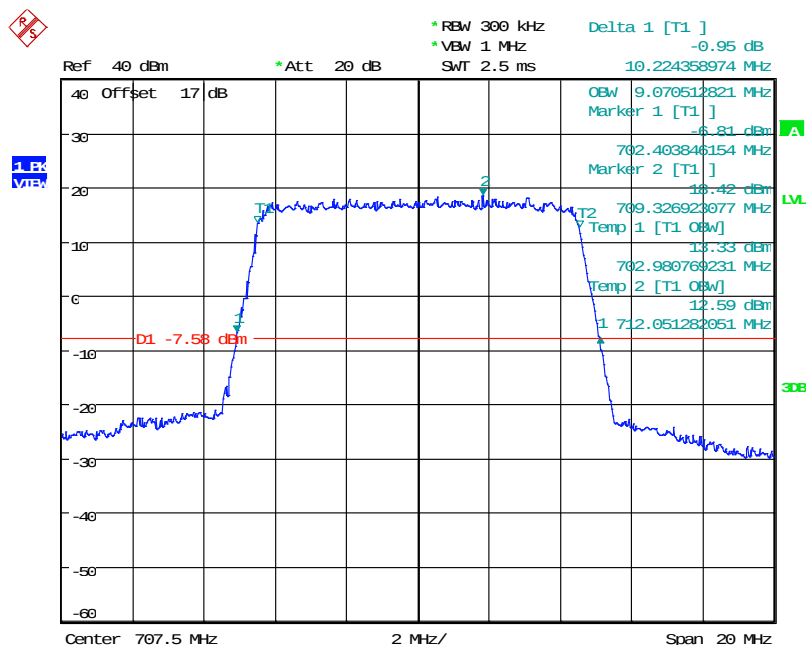
16QAM



Date: 30.JUL.2025 11:12:28

10 MHz

QPSK



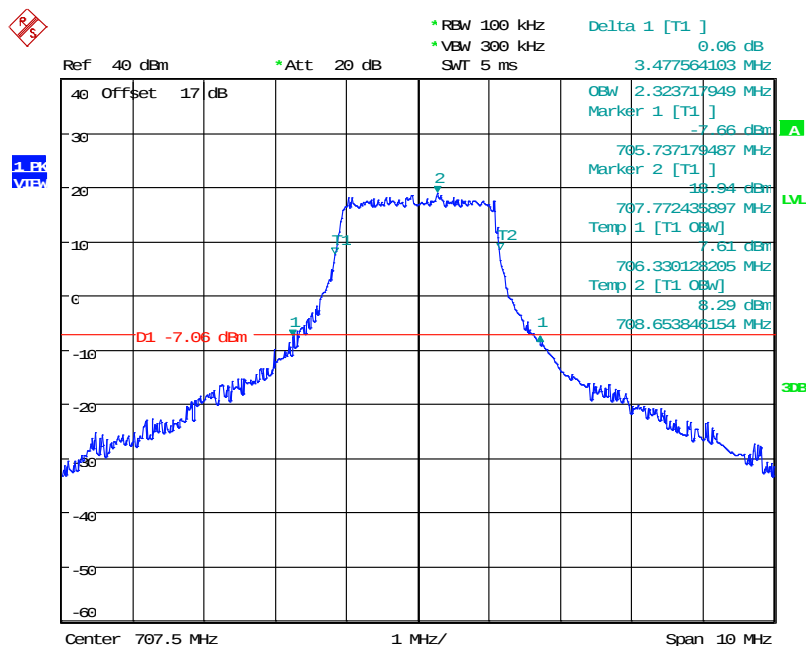
Date: 30.JUL.2025 10:56:18



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

16QAM

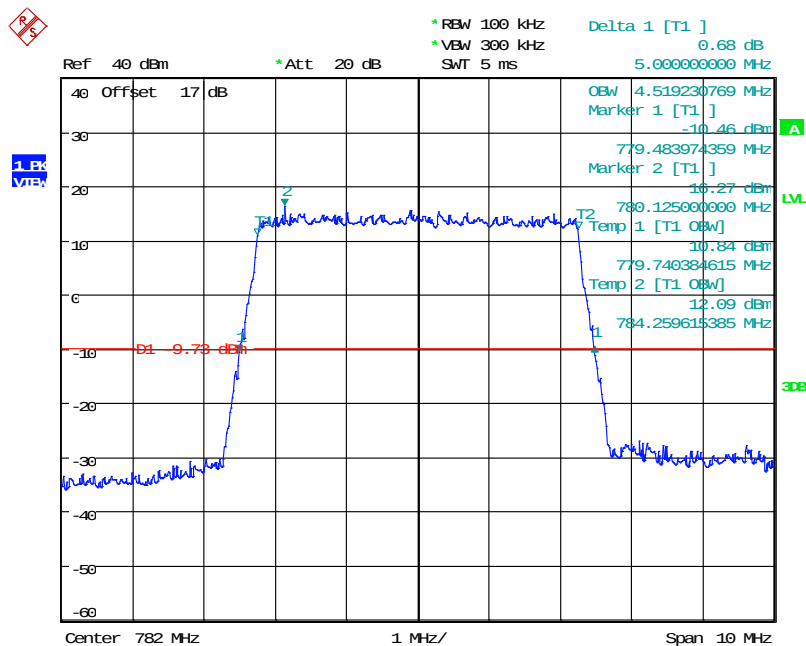


Date: 30.JUL.2025 11:00:10

Band 13

5 MHz

QPSK



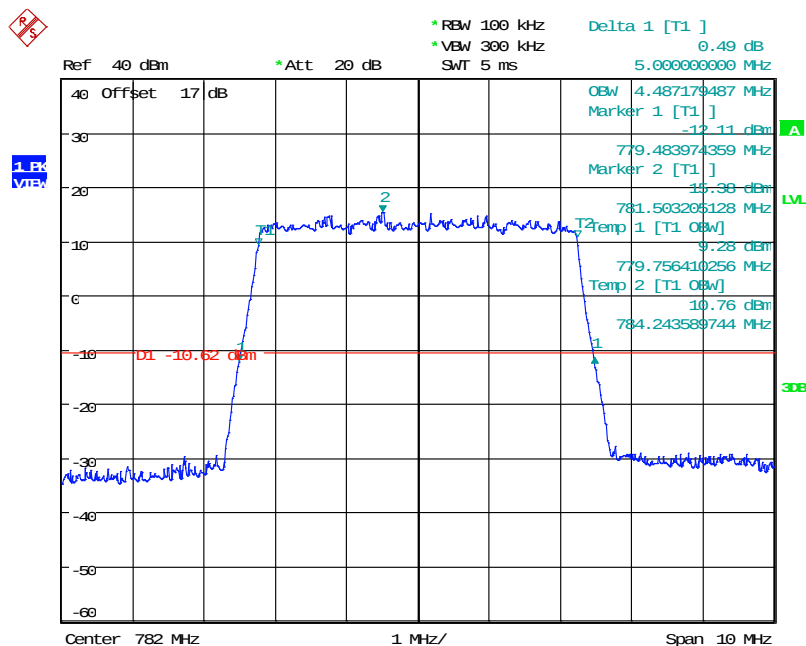
Date: 30.JUL.2025 11:10:04



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

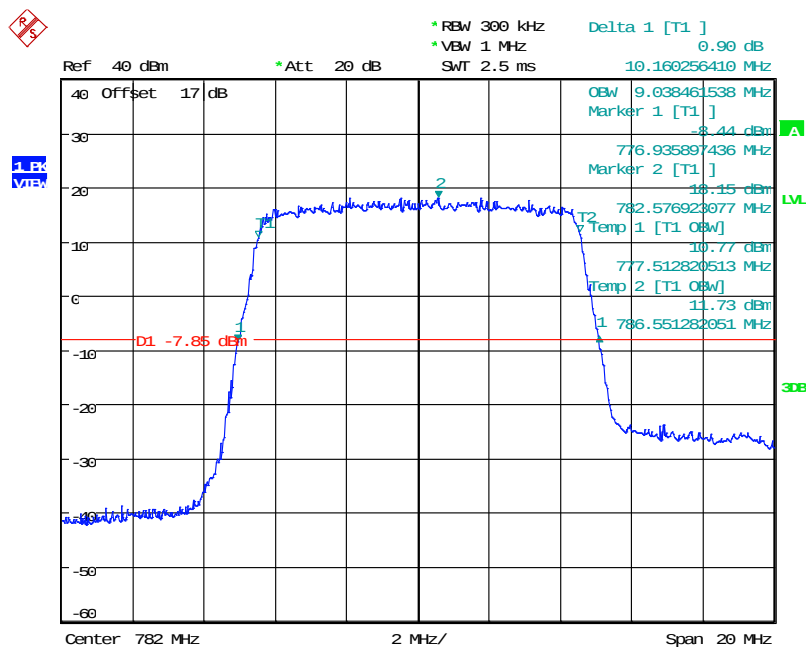
16QAM



Date: 30.JUL.2025 11:11:18

10 MHz

QPSK



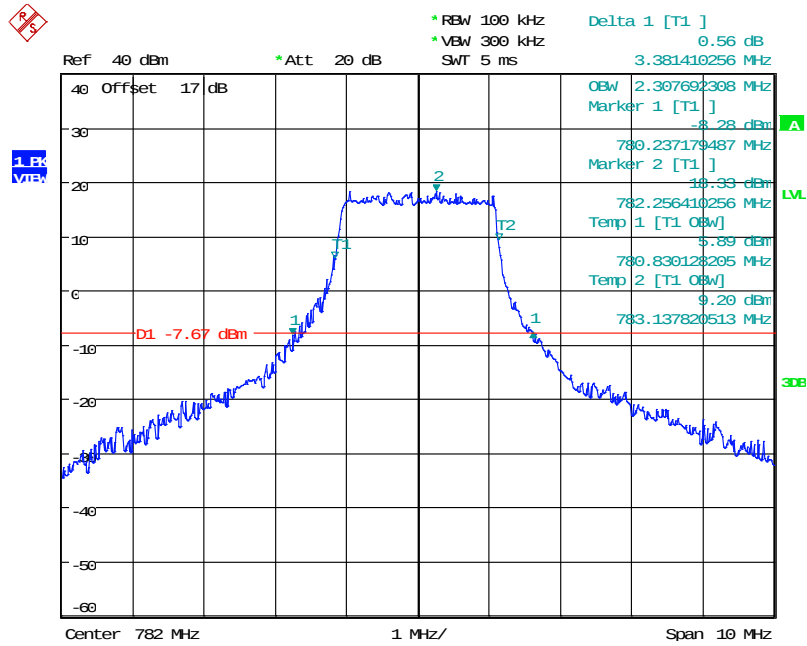
Date: 30.JUL.2025 10:57:17



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

16QAM



Date: 30.JUL.2025 10:58:56

Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

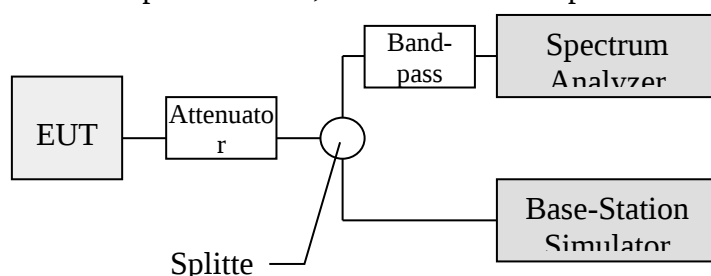
7 Spurious Emissions at Antenna Terminals

7.1 Test procedure

This transmitter output was connected to a calibrated coaxial attenuator, the other end of which was connected to a spectrum analyzer via a three-port splitter. Please refer to the following figure. Transmitter output was derived with the spectrum analyzer in dBm.

The Spurious Emissions at Antenna Terminals was measured by the spectrum analyzer with a suitable notch filter and/or Band-pass filter.

Tests were performed with an unmodulated carrier at three frequencies (low, middle and high channels) and on all power levels , which can be set-up on the transmitters.





Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

7.2 Test Results

Test date: July 30, 2025

Temperature: 25.8 °C

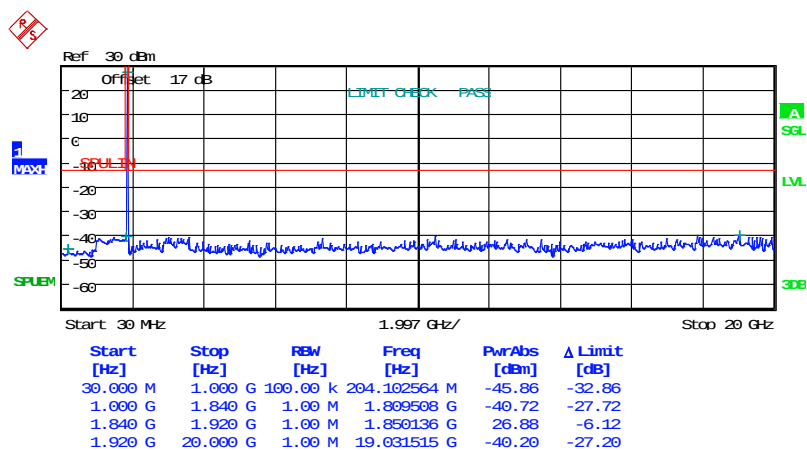
Humidity: 58.0 %

Tester: Sora

Band 2

1.4 MHz

QPSK

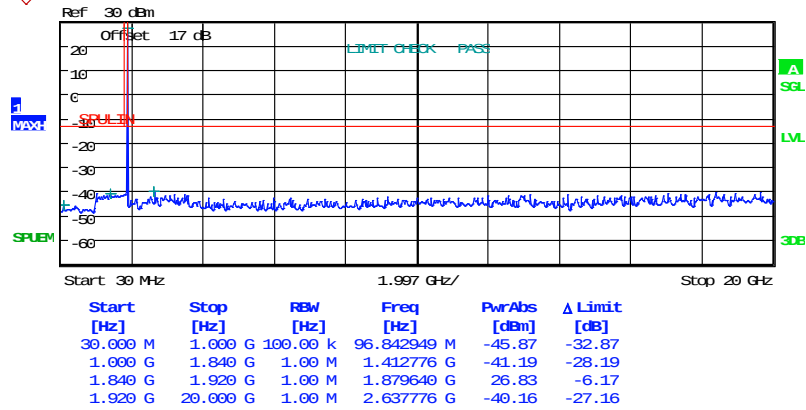


Date: 30.JUL.2025 11:53:26

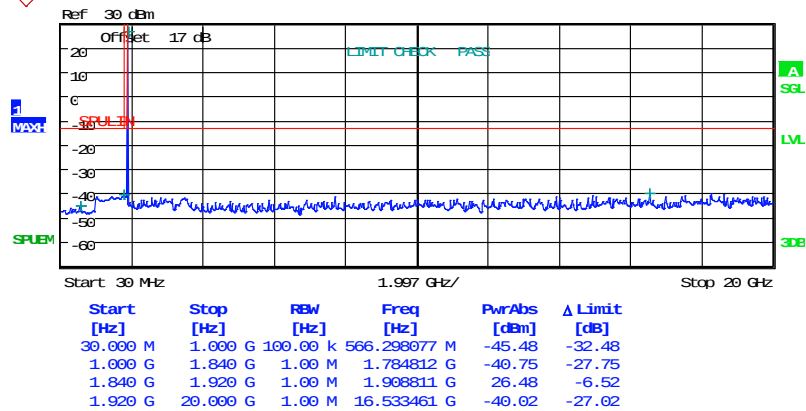


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 11:53:47



Date: 30.JUL.2025 11:54:18



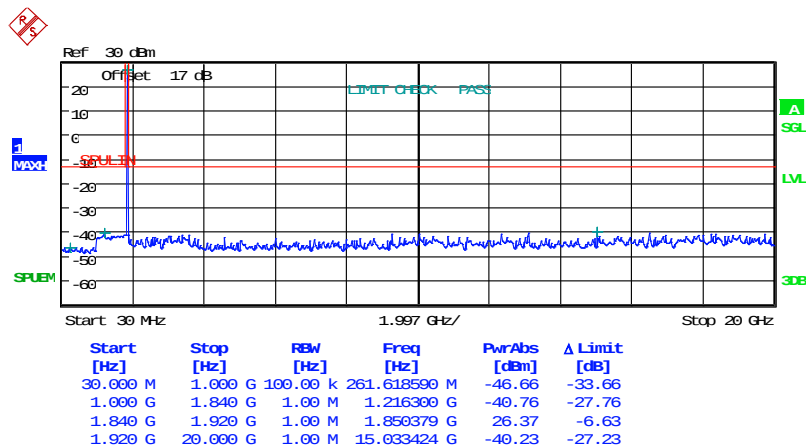
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

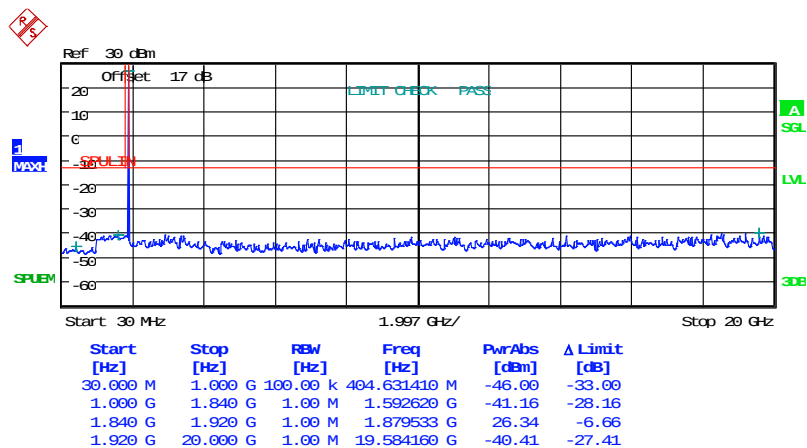
Band 2

1.4 MHz

16QAM



Date: 30.JUL.2025 11:55:39

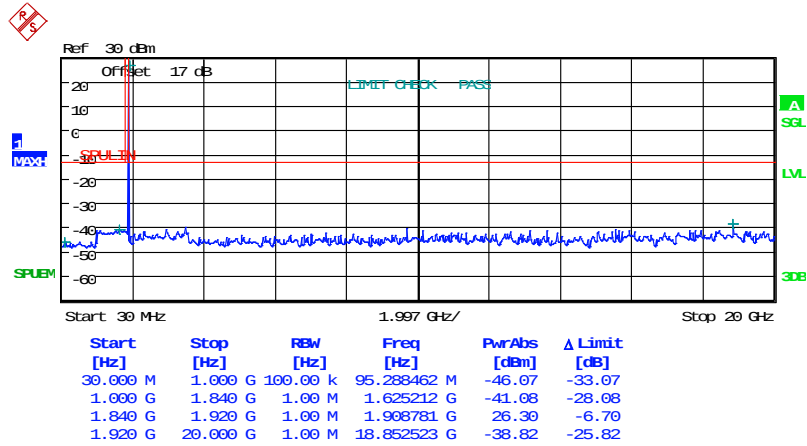


Date: 30.JUL.2025 11:55:55



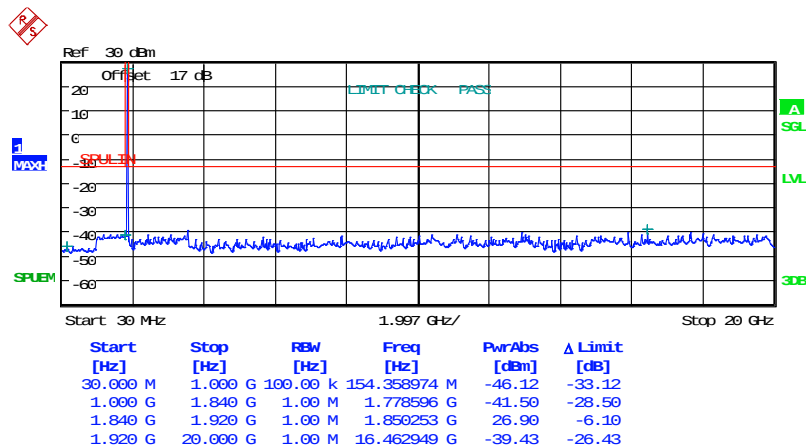
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 11:54:55

Band 2
3 MHz
QPSK

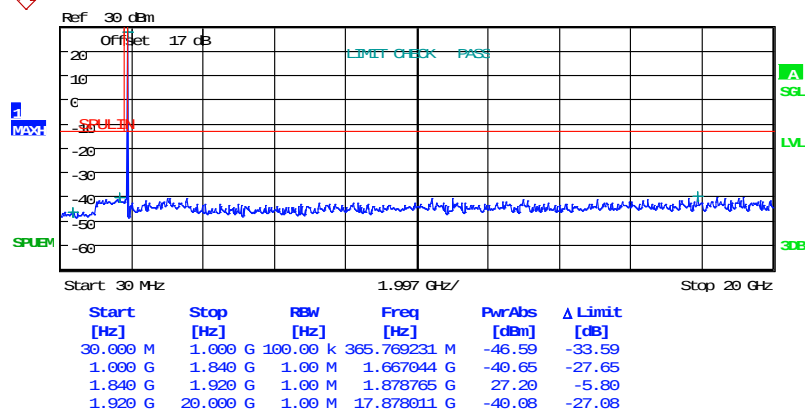


Date: 30.JUL.2025 11:58:15

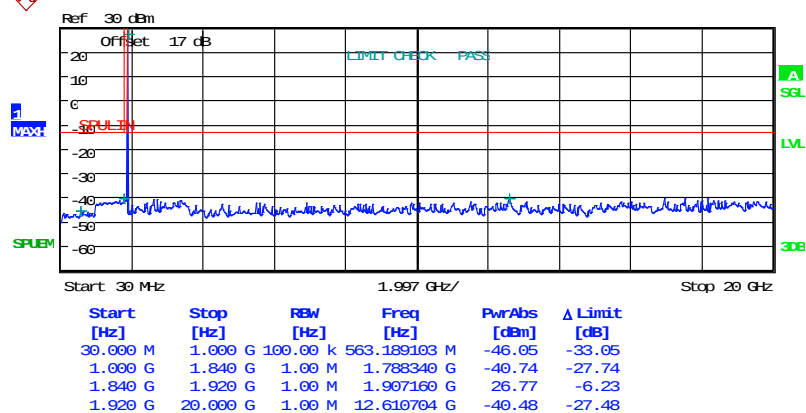


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 11:59:05



Date: 30.JUL.2025 11:57:50



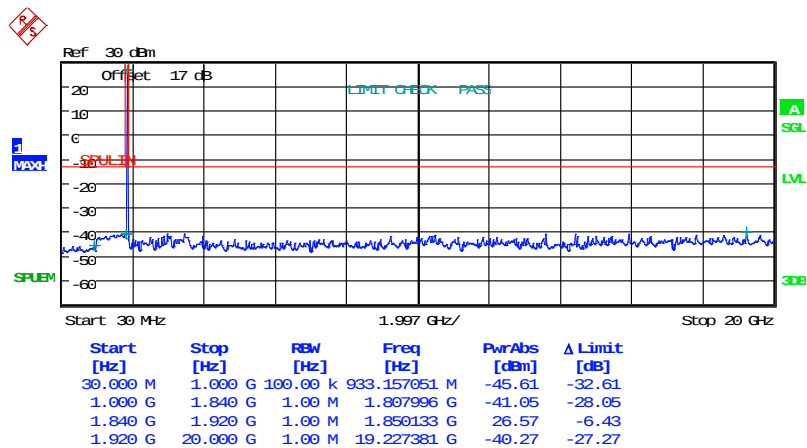
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

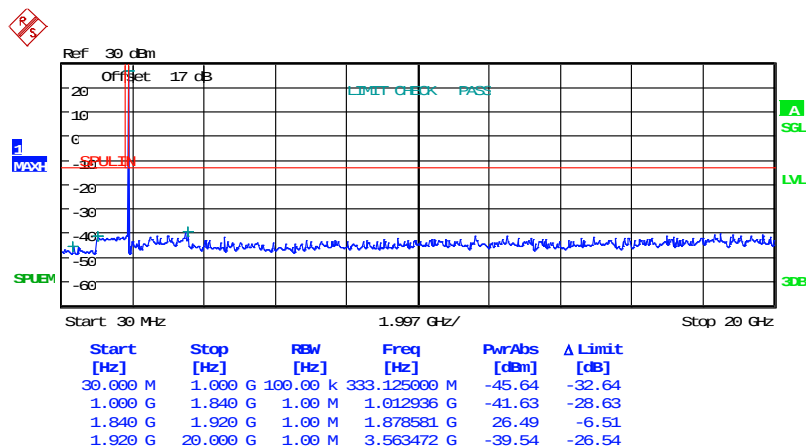
Band 2

3 MHz

16QAM



Date: 30.JUL.2025 11:57:05

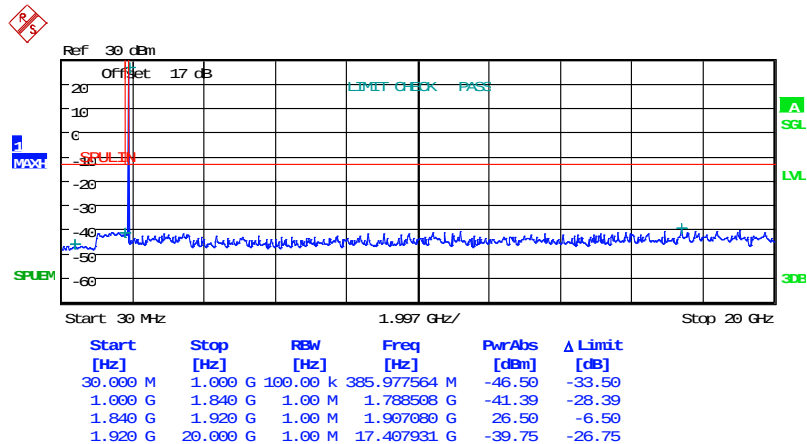


Date: 30.JUL.2025 11:56:35



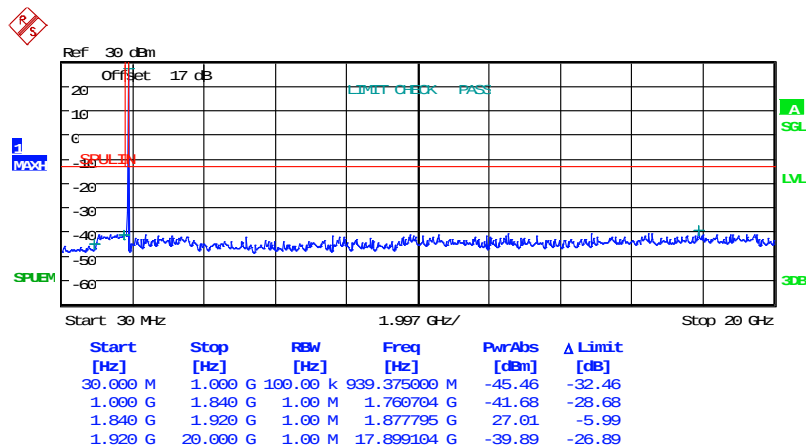
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 11:57:27

Band 2
5 MHz
QPSK

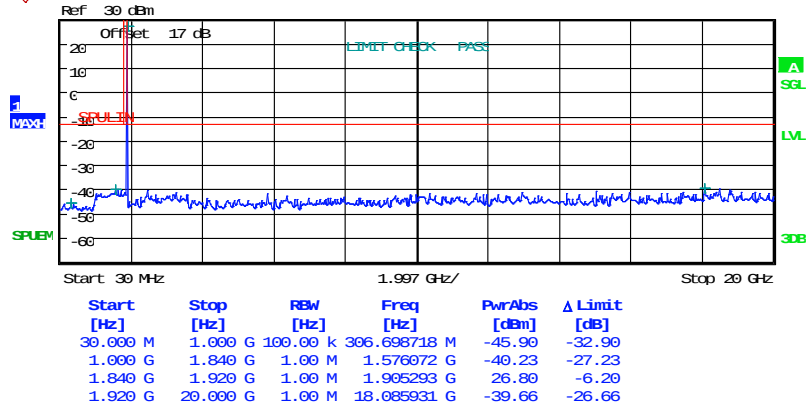


Date: 30.JUL.2025 11:59:45

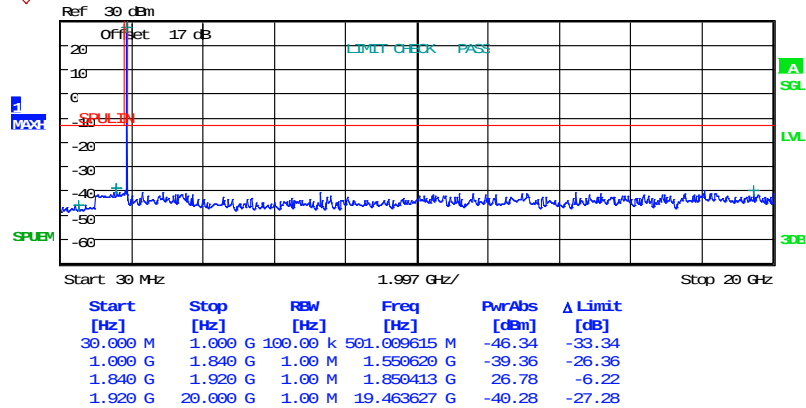


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 12:01:01



Date: 30.JUL.2025 12:00:32



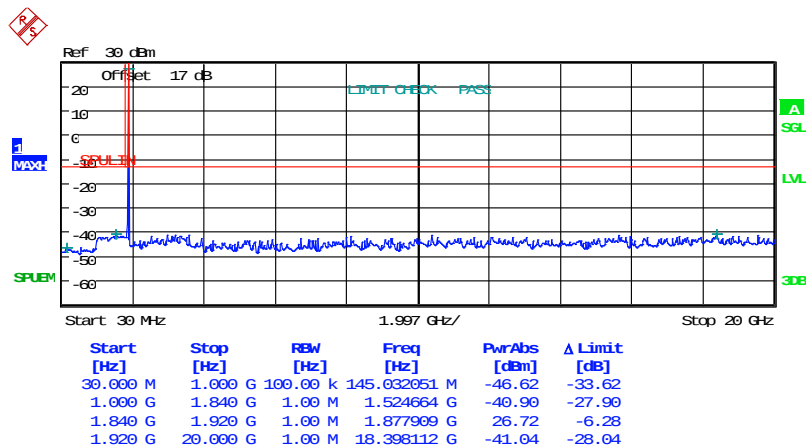
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

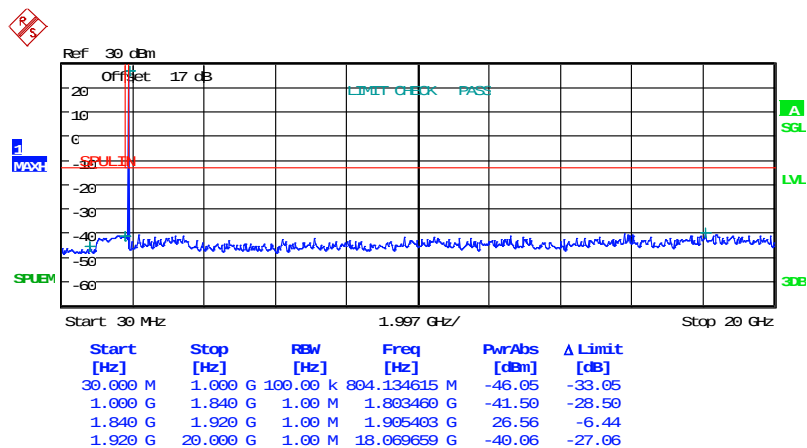
Band 2

5 MHz

16QAM



Date: 30.JUL.2025 12:02:15

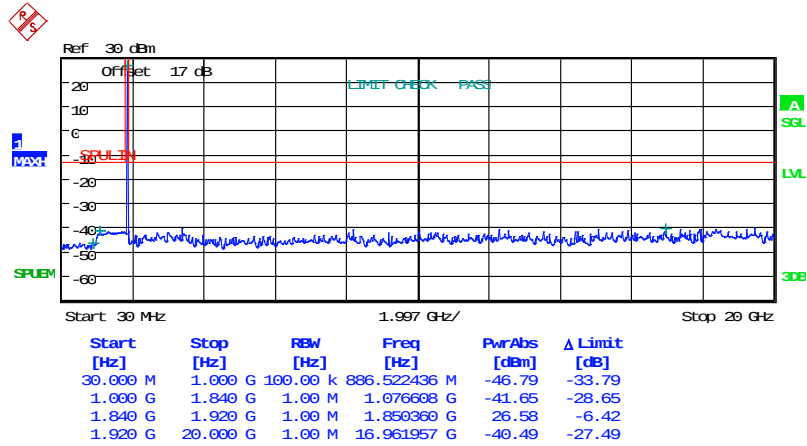


Date: 30.JUL.2025 12:01:37



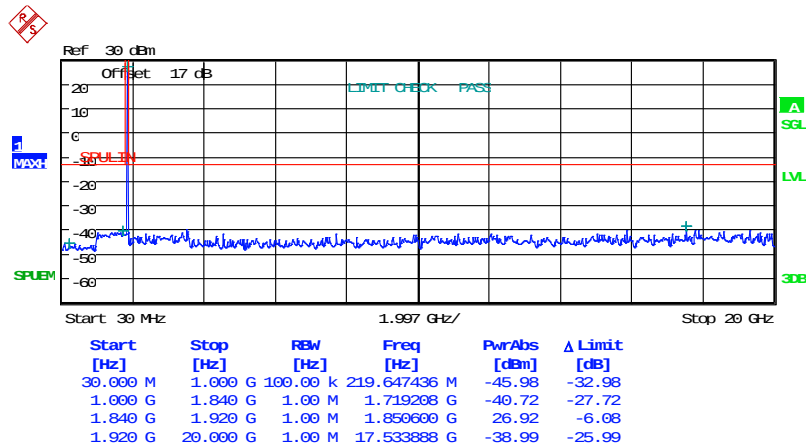
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 12:01:57

Band 2
10 MHz
QPSK

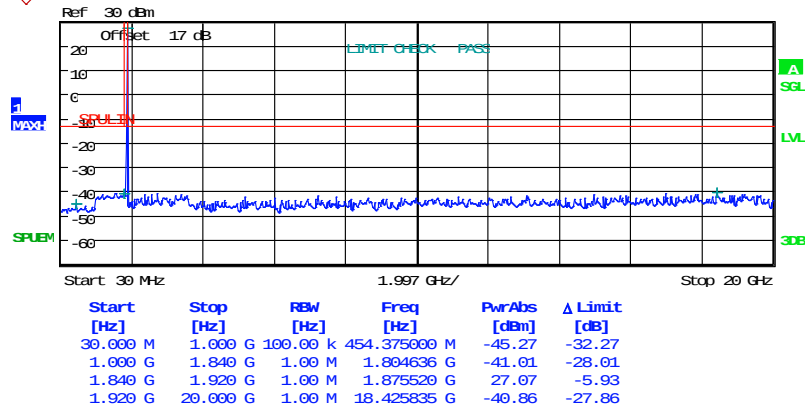


Date: 30.JUL.2025 12:04:37

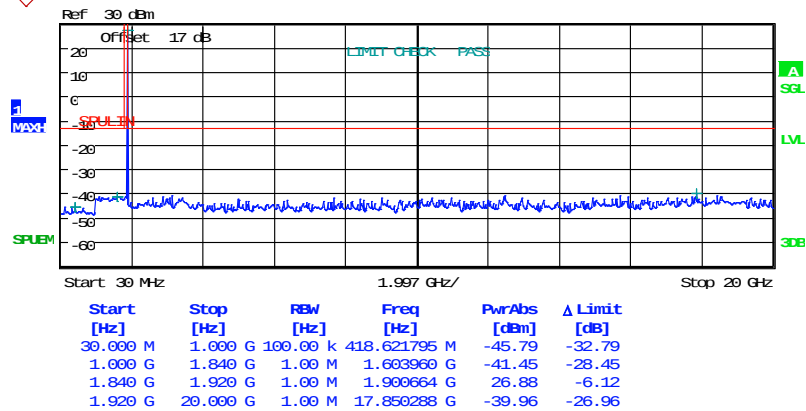


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 12:04:51



Date: 30.JUL.2025 12:04:16



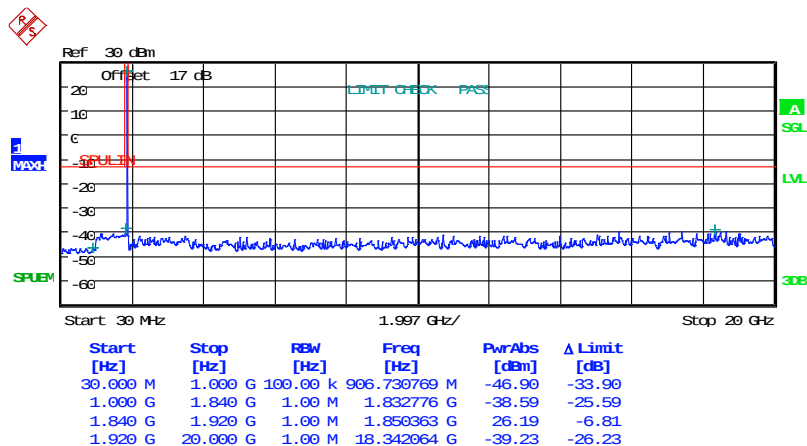
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

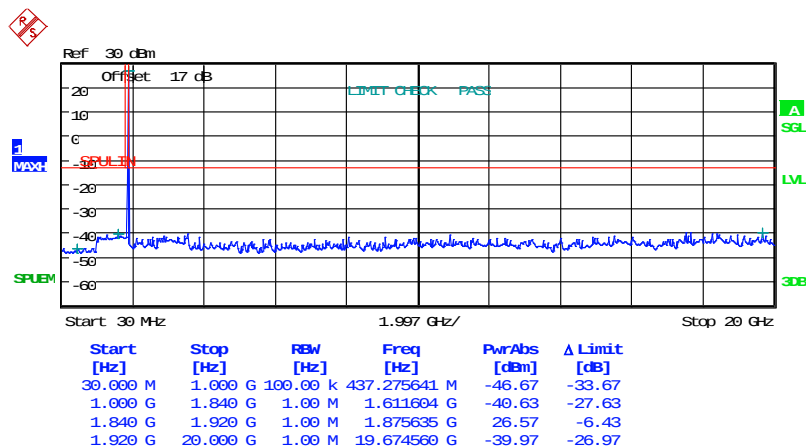
Band 2

10 MHz

16QAM



Date: 30.JUL.2025 12:03:28

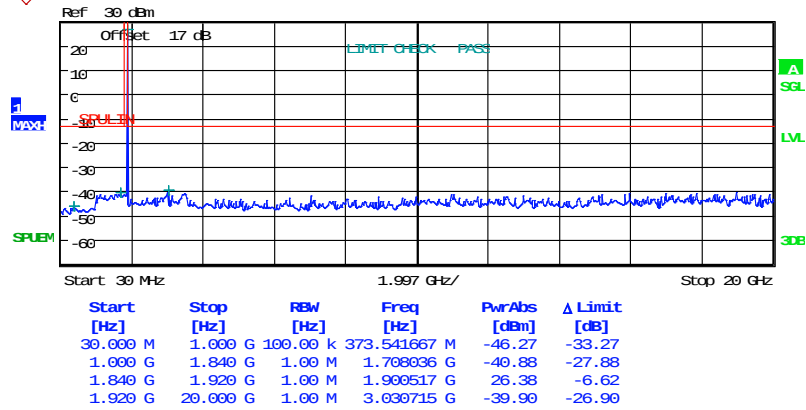


Date: 30.JUL.2025 12:03:08



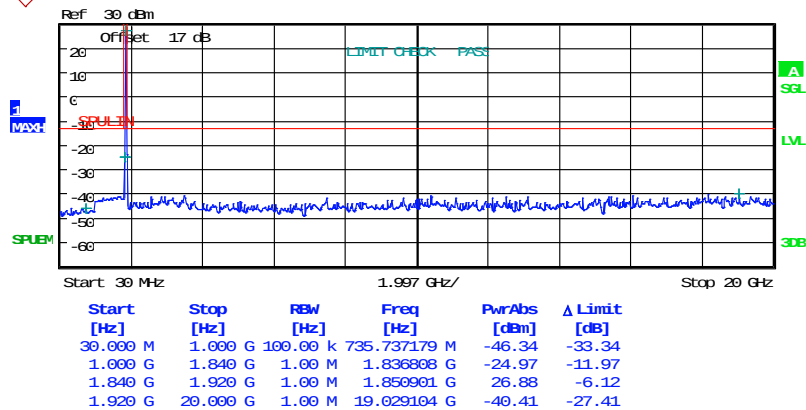
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 12:03:48

Band 2
15 MHz
QPSK

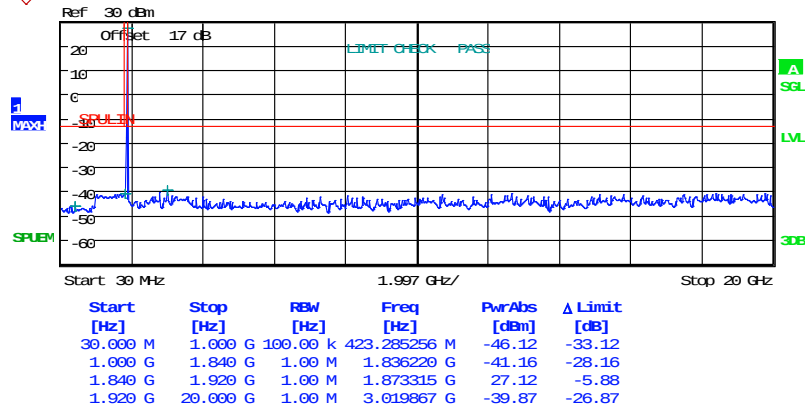


Date: 30.JUL.2025 13:13:25

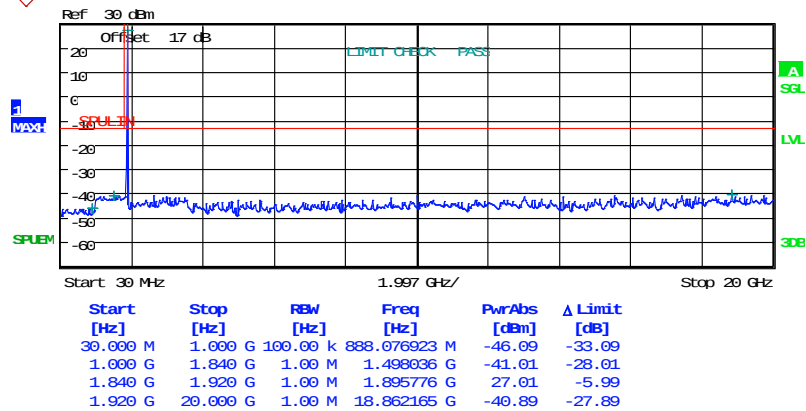


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:12:59



Date: 30.JUL.2025 13:13:59



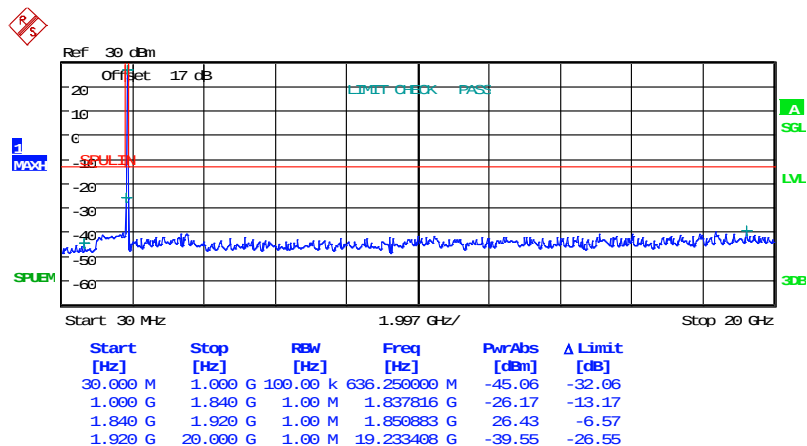
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

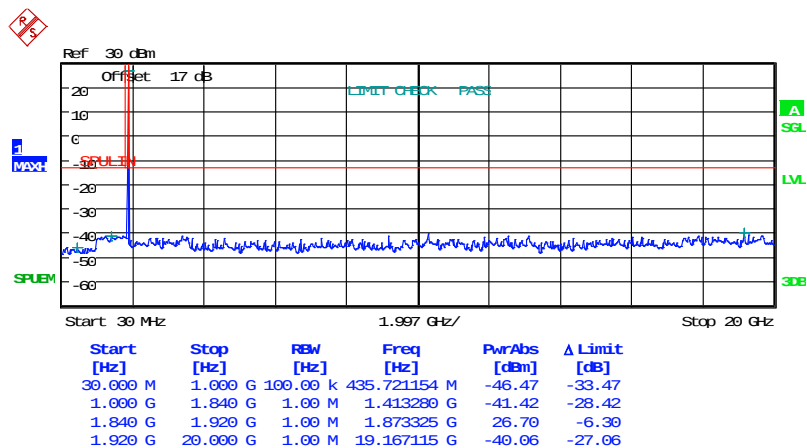
Band 2

15 MHz

16QAM



Date: 30.JUL.2025 13:14:50

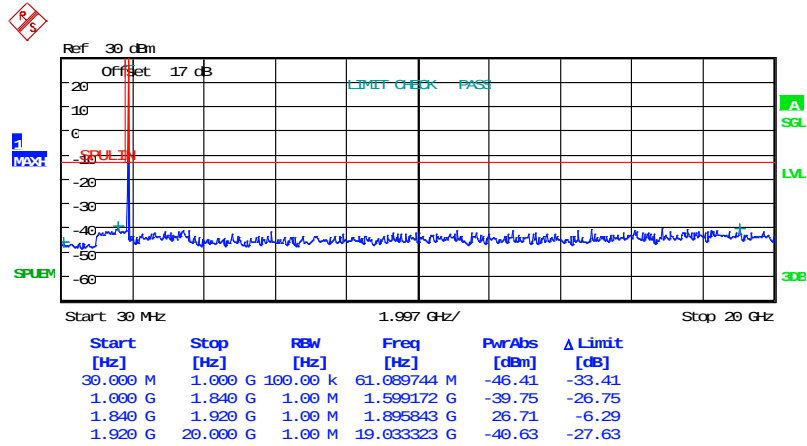


Date: 30.JUL.2025 13:15:17



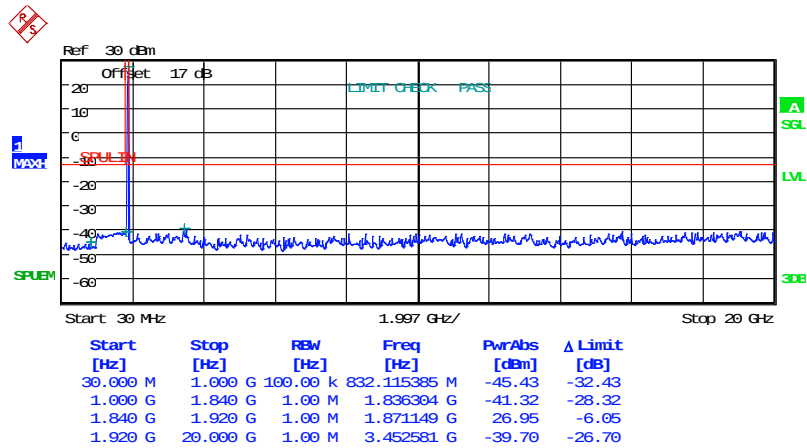
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:14:27

Band 2
20 MHz
QPSK

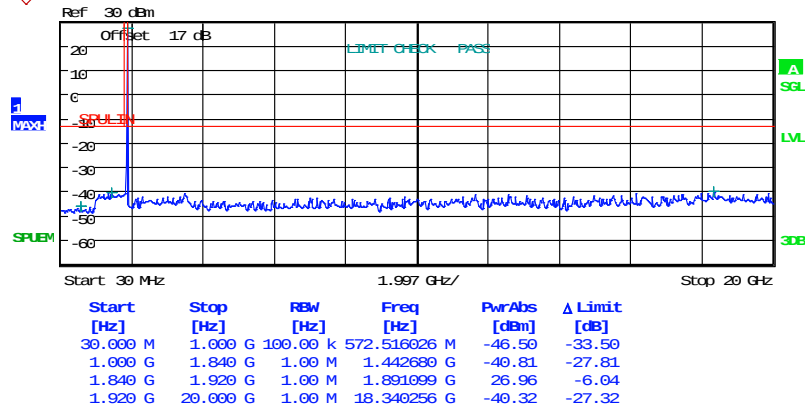


Date: 30.JUL.2025 13:19:27

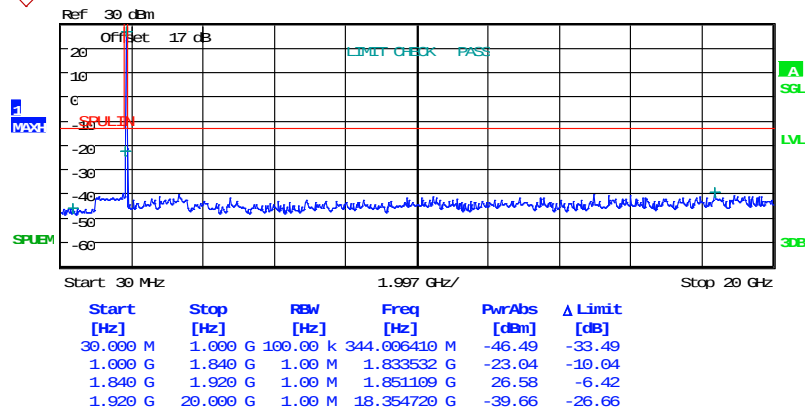


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:18:25



Date: 30.JUL.2025 13:19:11



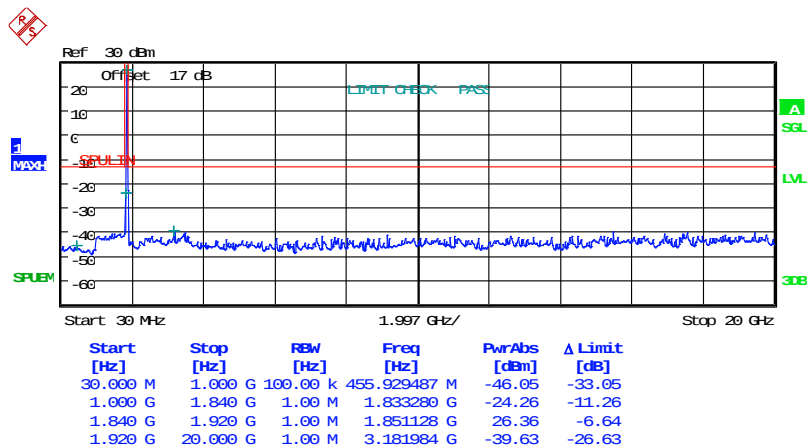
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

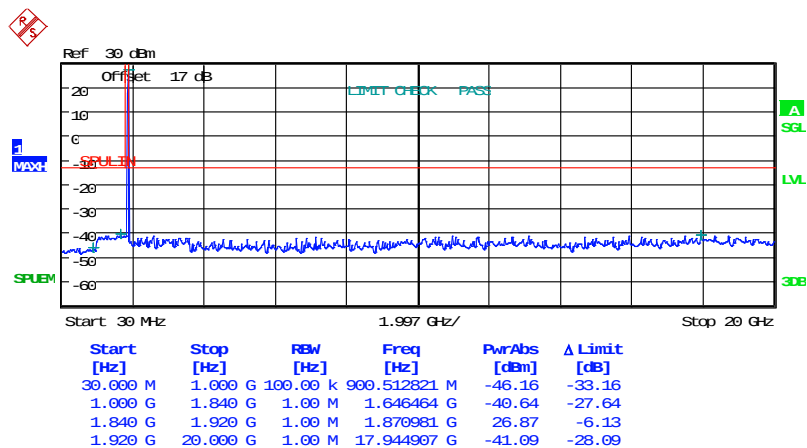
Band 2

20 MHz

16QAM



Date: 30.JUL.2025 13:16:19



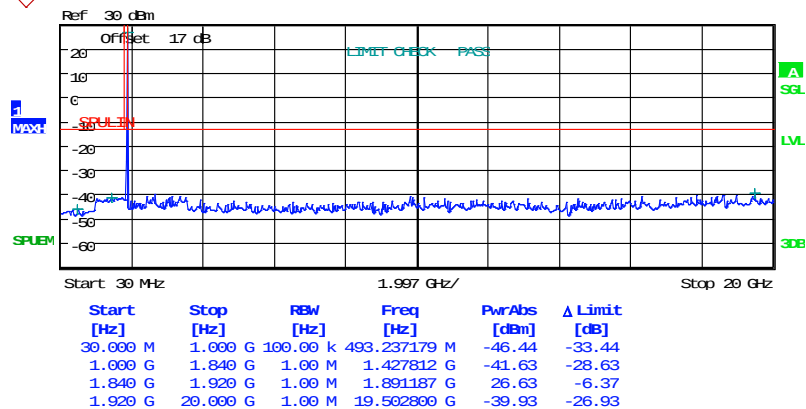
Date: 30.JUL.2025 13:15:57



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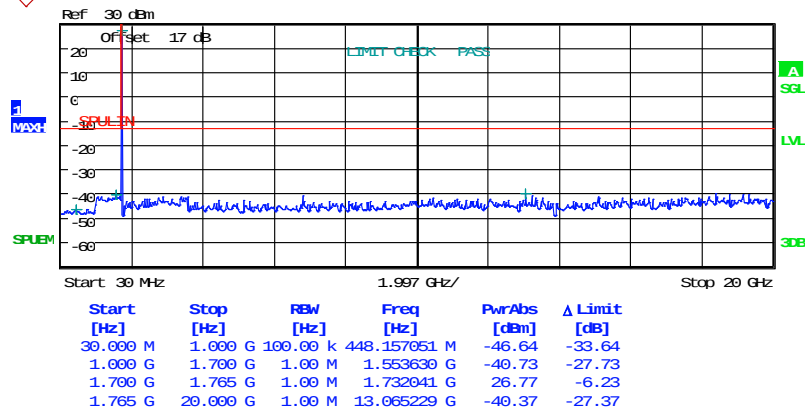
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:16:38

Band 4
1.4 MHz
QPSK

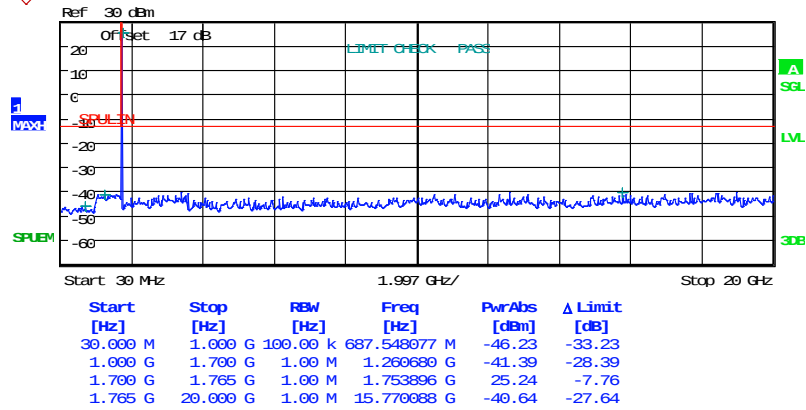


Date: 30.JUL.2025 14:11:13

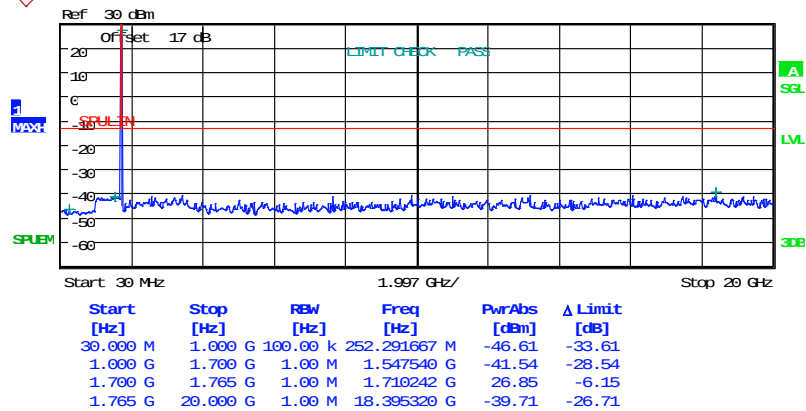


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:12:07



Date: 30.JUL.2025 14:11:46



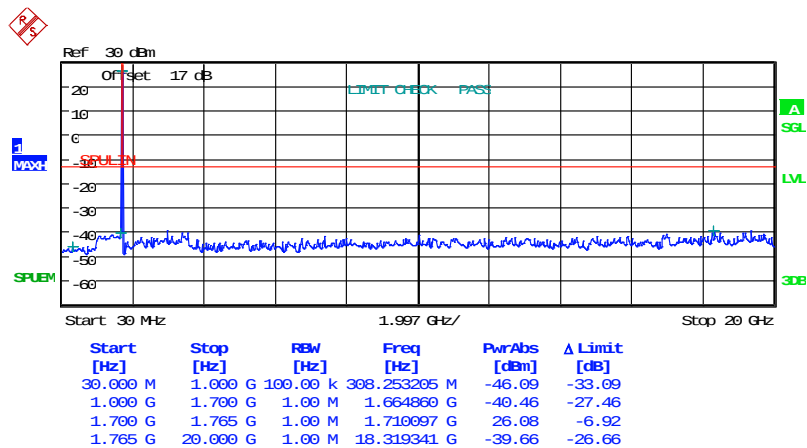
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

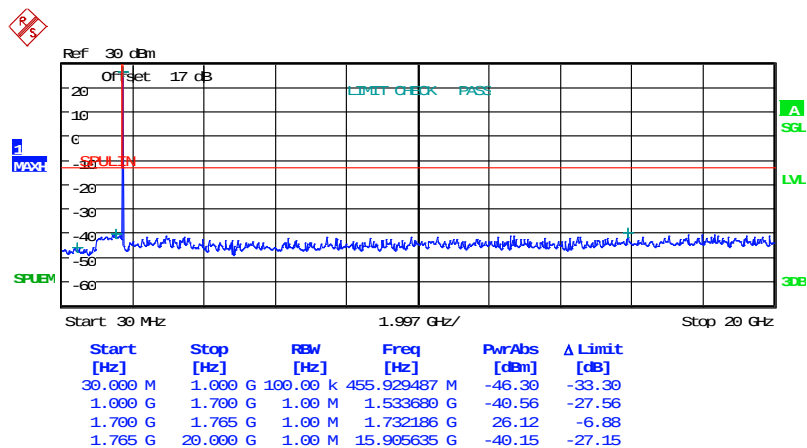
Band 4

1.4 MHz

16QAM



Date: 30.JUL.2025 14:12:50

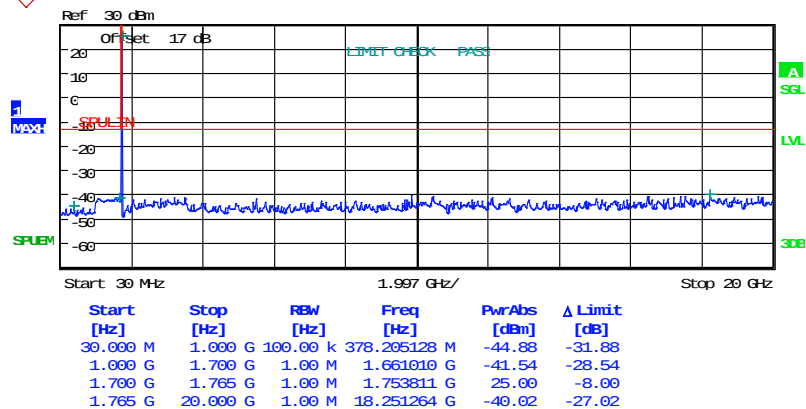


Date: 30.JUL.2025 14:13:12



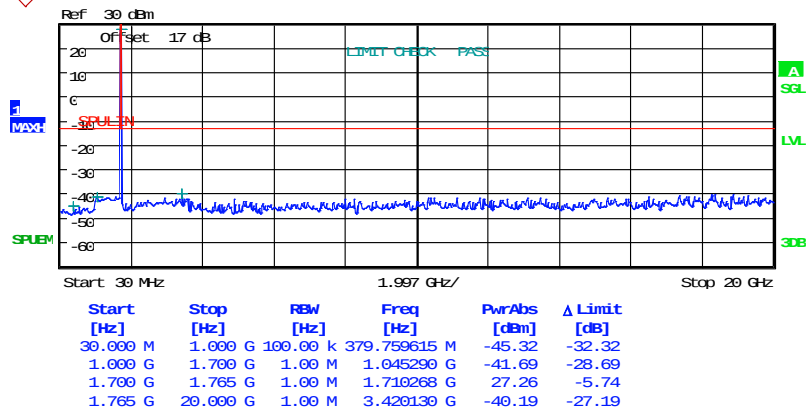
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:12:34

Band 4
3 MHz
QPSK

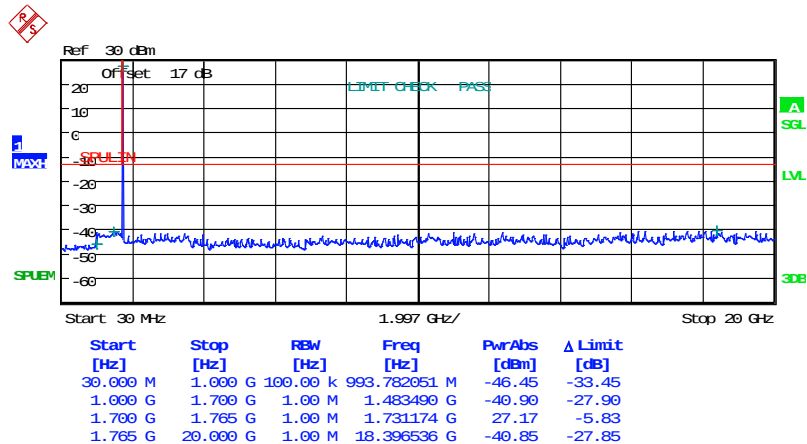


Date: 30.JUL.2025 14:09:54

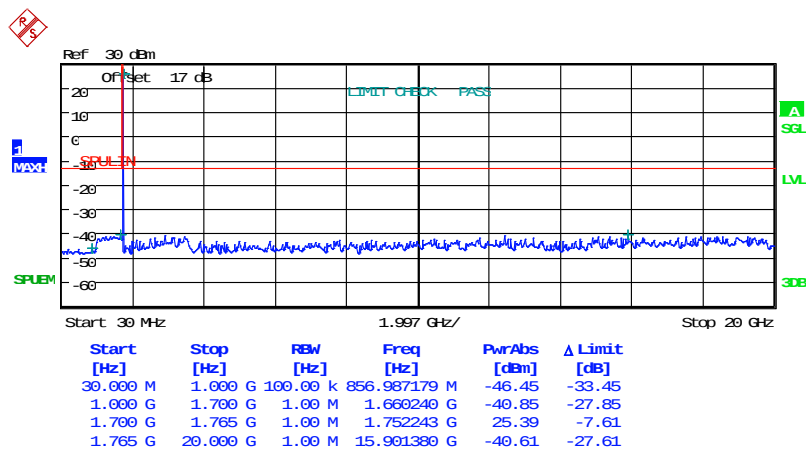


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:10:11



Date: 30.JUL.2025 14:09:28



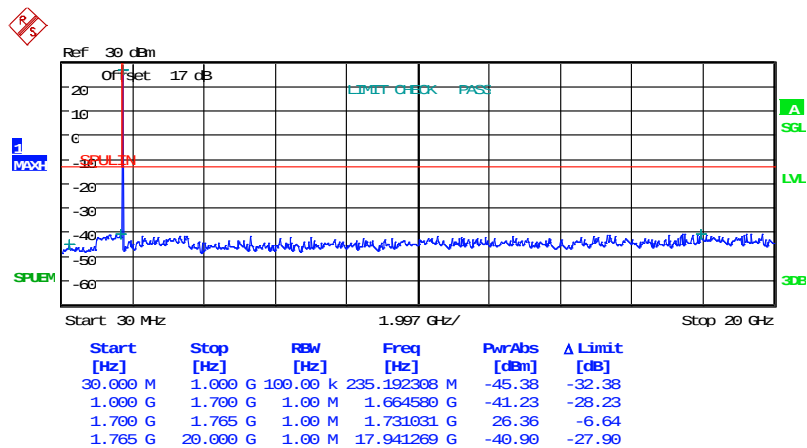
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

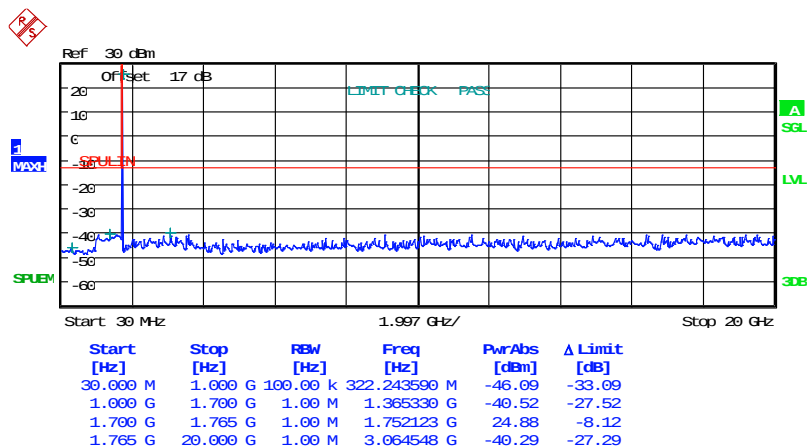
Band 4

3 MHz

16QAM



Date: 30.JUL.2025 14:08:21



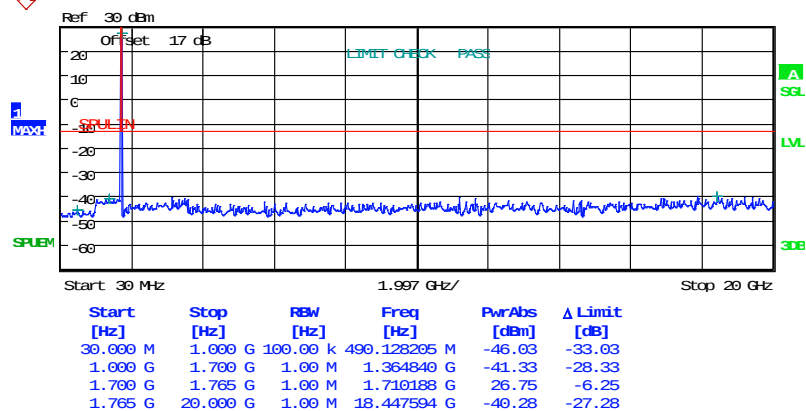
Date: 30.JUL.2025 14:09:00



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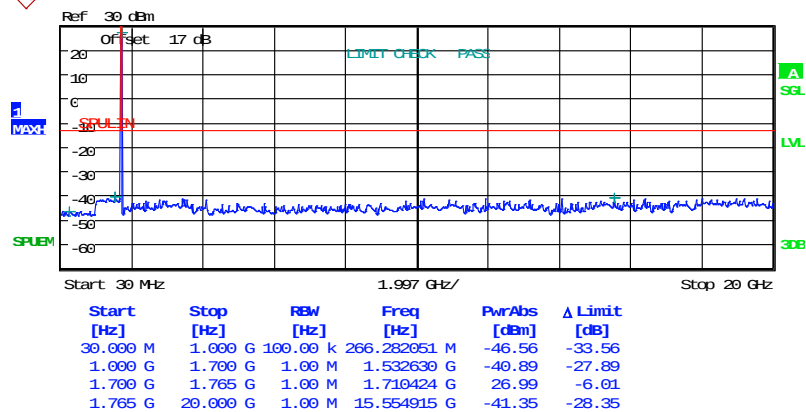
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:08:41

Band 4
5 MHz
QPSK

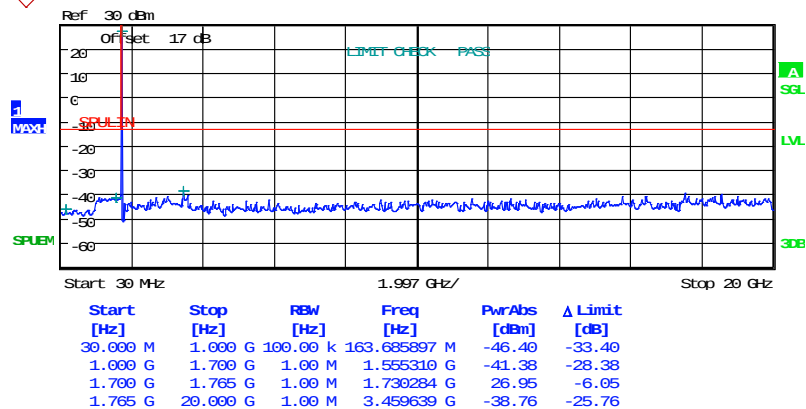


Date: 30.JUL.2025 14:05:33

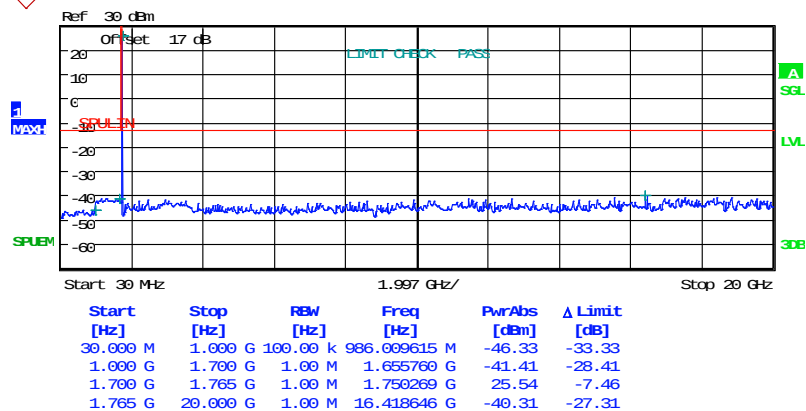


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:05:10



Date: 30.JUL.2025 14:06:15



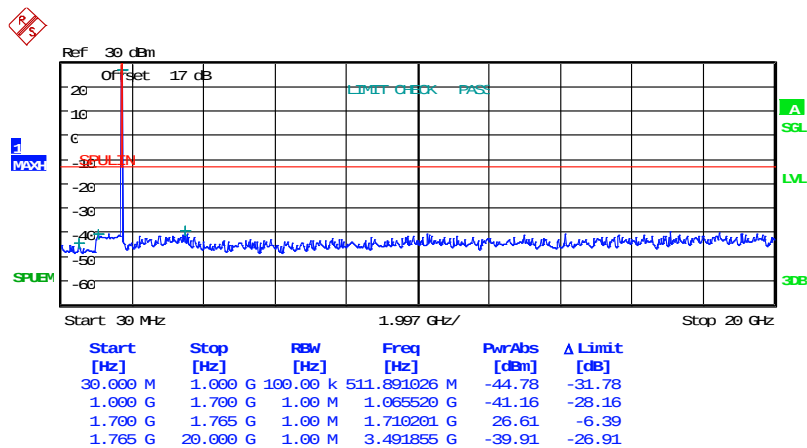
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

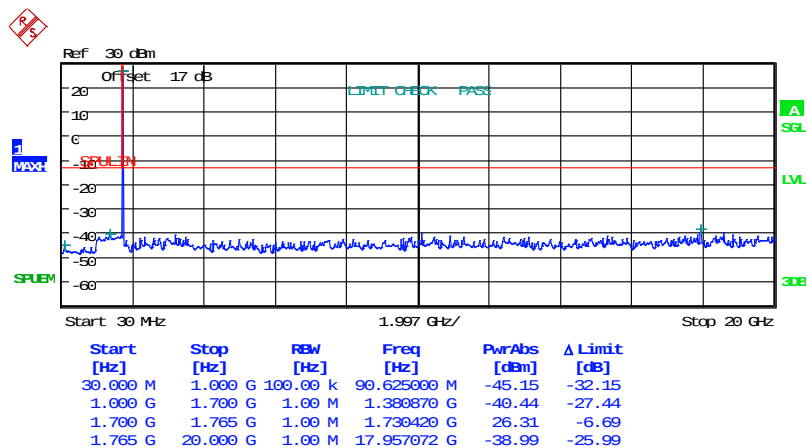
Band 4

5 MHz

16QAM



Date: 30.JUL.2025 14:07:10

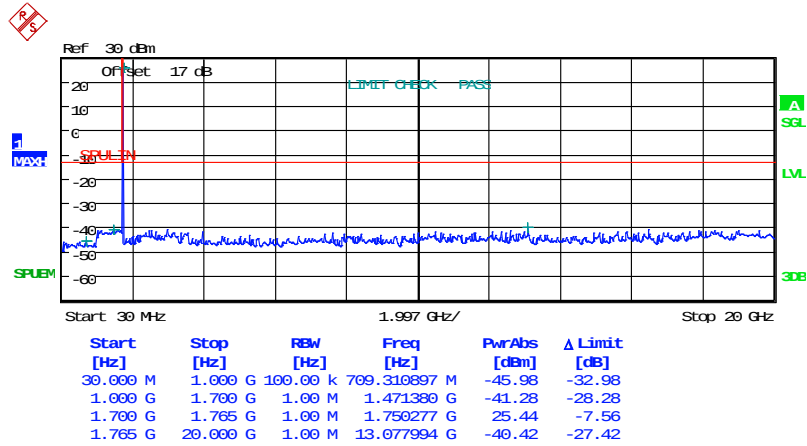


Date: 30.JUL.2025 14:07:38



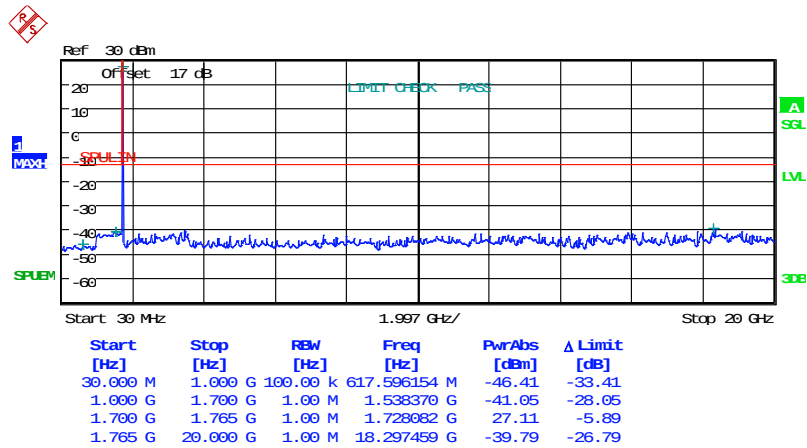
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:06:50

Band 4
10 MHz
QPSK

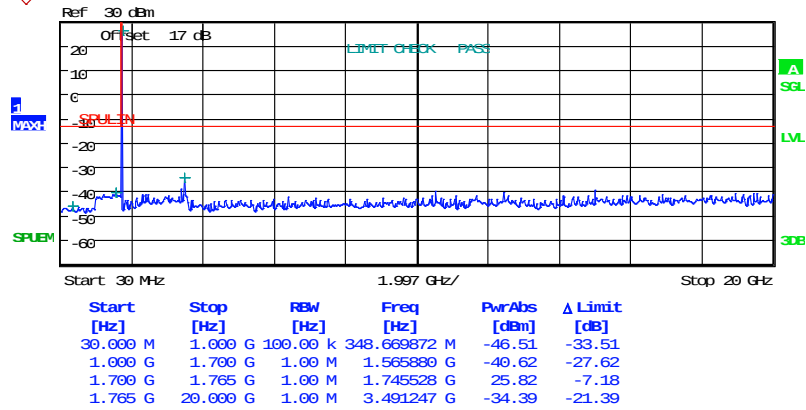


Date: 30.JUL.2025 14:04:00

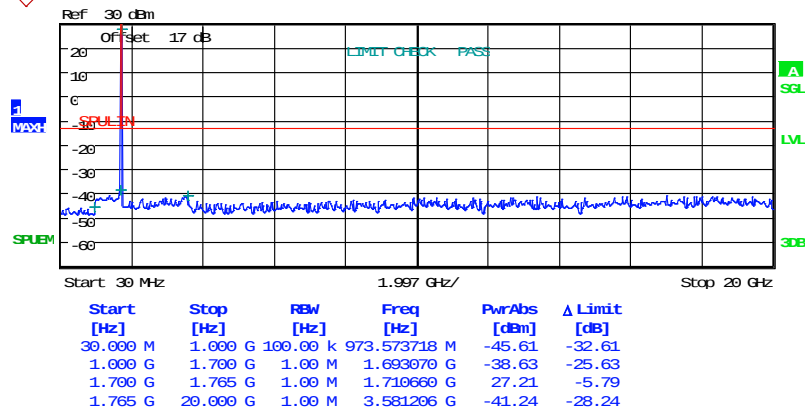


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:45:56



Date: 30.JUL.2025 14:04:35



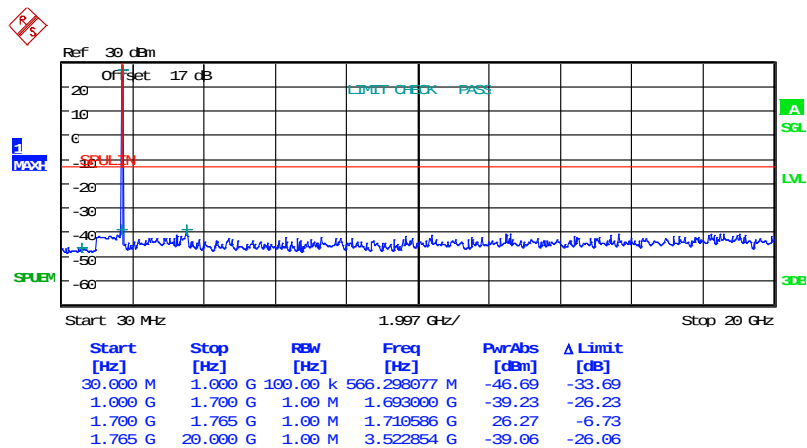
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

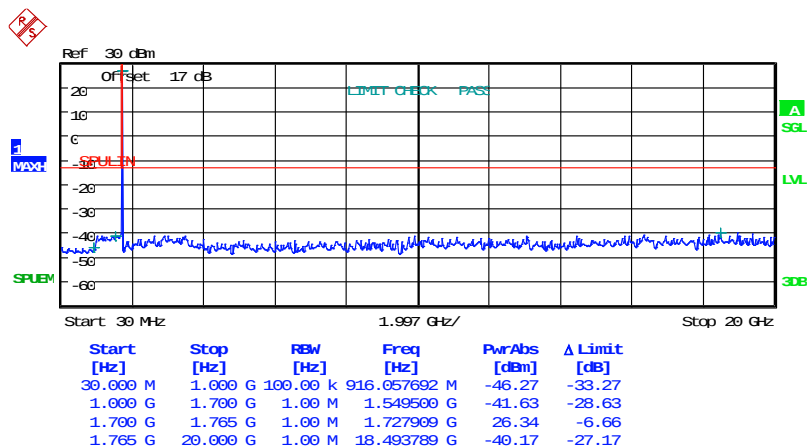
Band 4

10 MHz

16QAM



Date: 30.JUL.2025 13:45:06

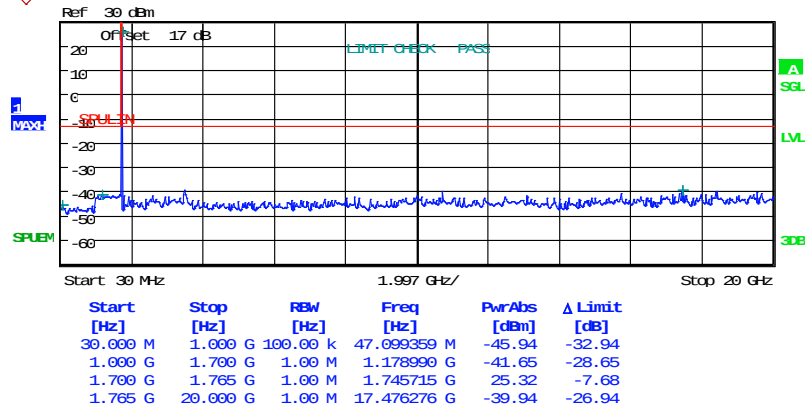


Date: 30.JUL.2025 13:44:49



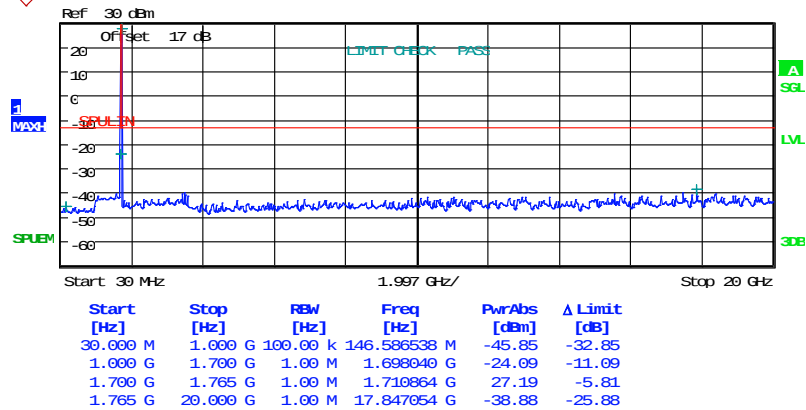
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:45:30

Band 4
15 MHz
QPSK

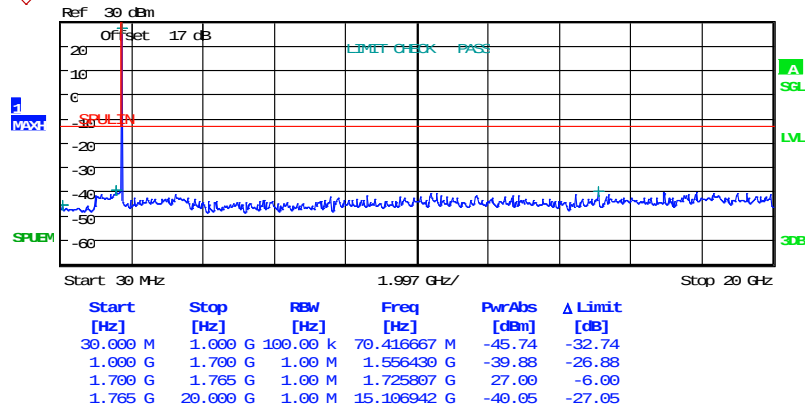


Date: 30.JUL.2025 13:39:39

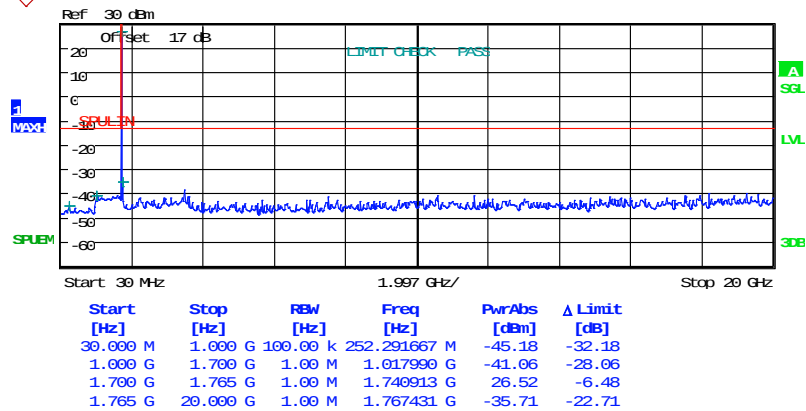


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:39:16



Date: 30.JUL.2025 13:40:53



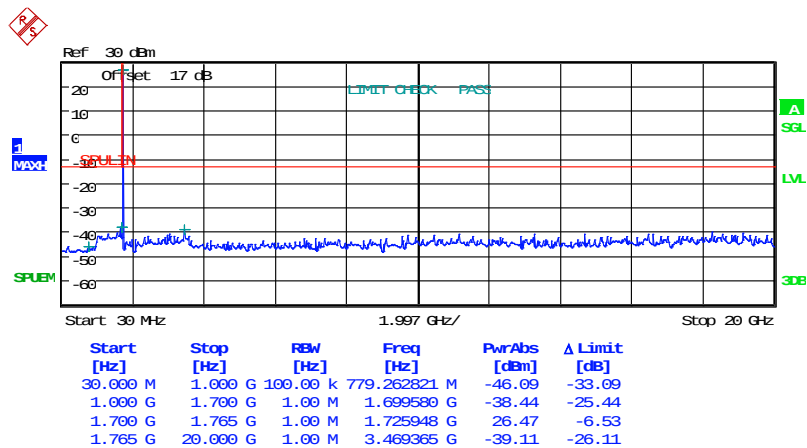
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

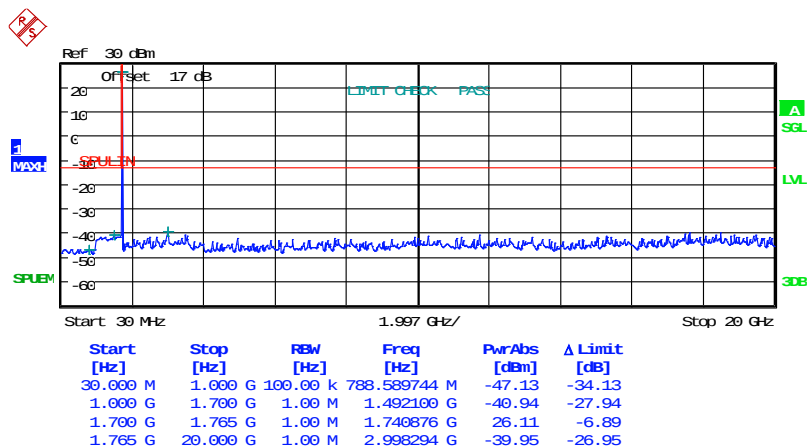
Band 4

15 MHz

16QAM



Date: 30.JUL.2025 13:43:52

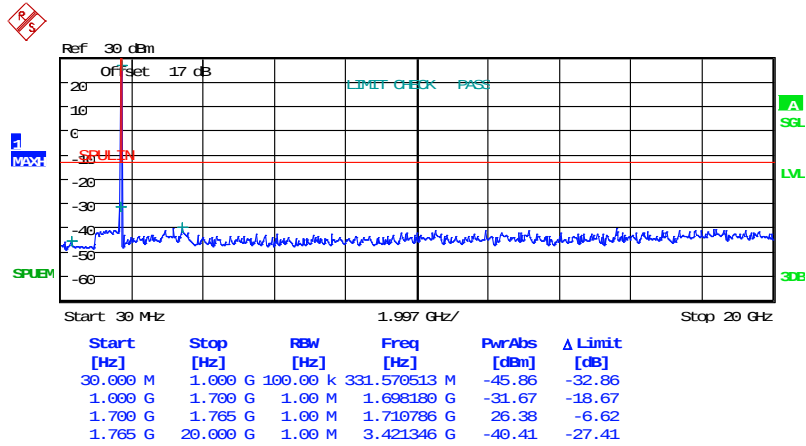


Date: 30.JUL.2025 13:43:15



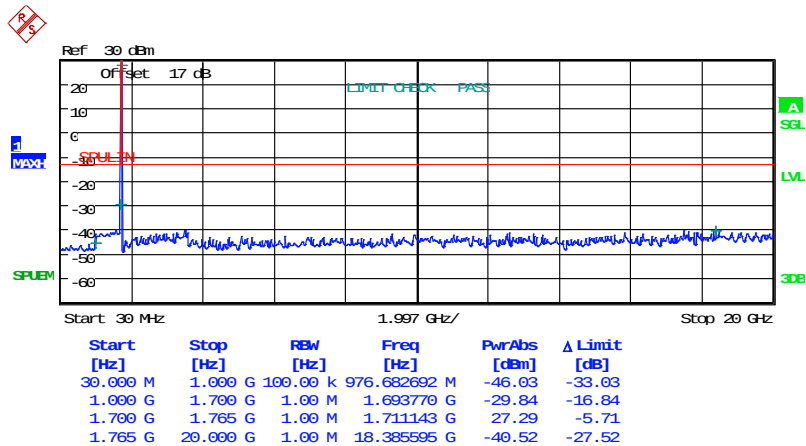
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:43:36

Band 4
20 MHz
QPSK

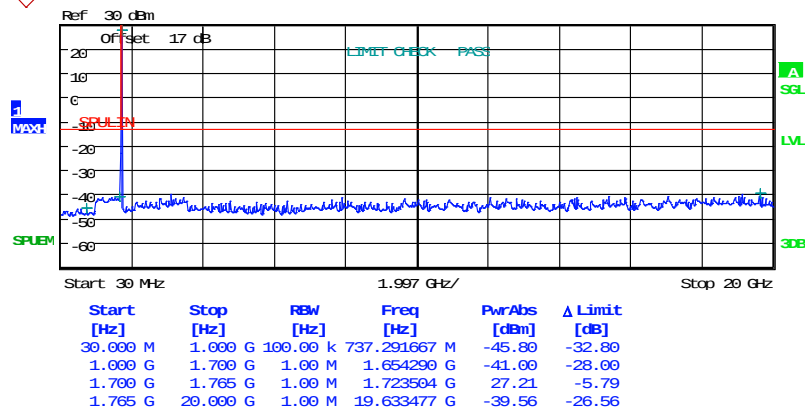


Date: 30.JUL.2025 13:21:58

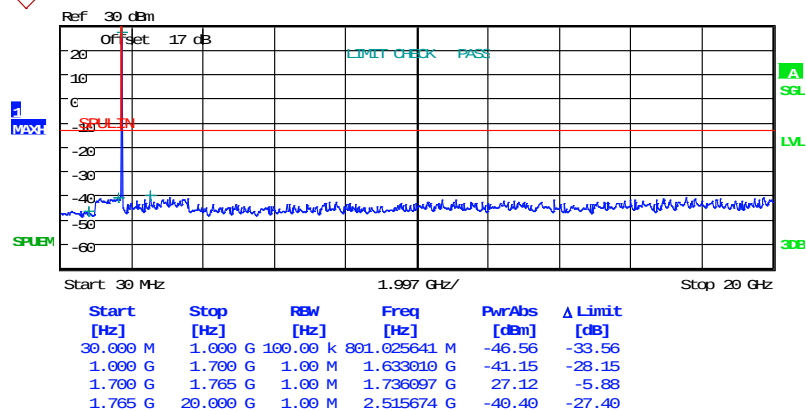


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:22:14



Date: 30.JUL.2025 13:35:20



Worldwide Testing Services(Taiwan) Co., Ltd.

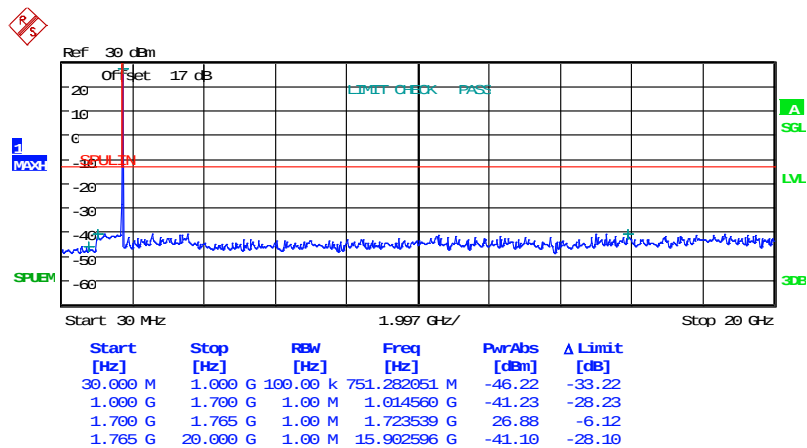
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

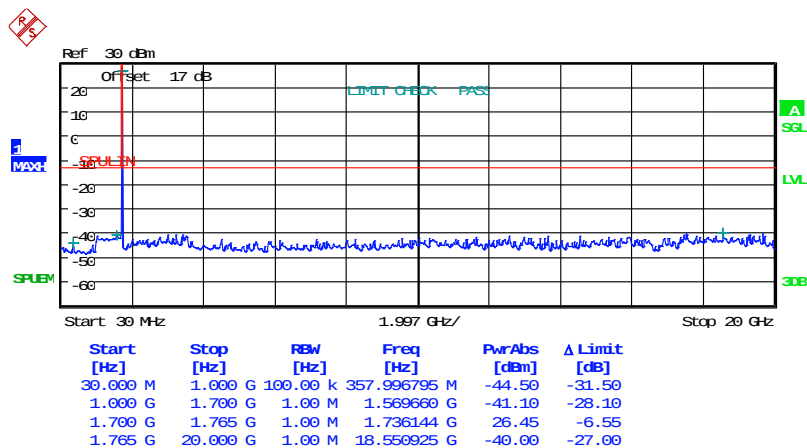
Band 4

20 MHz

16QAM



Date: 30.JUL.2025 13:33:58

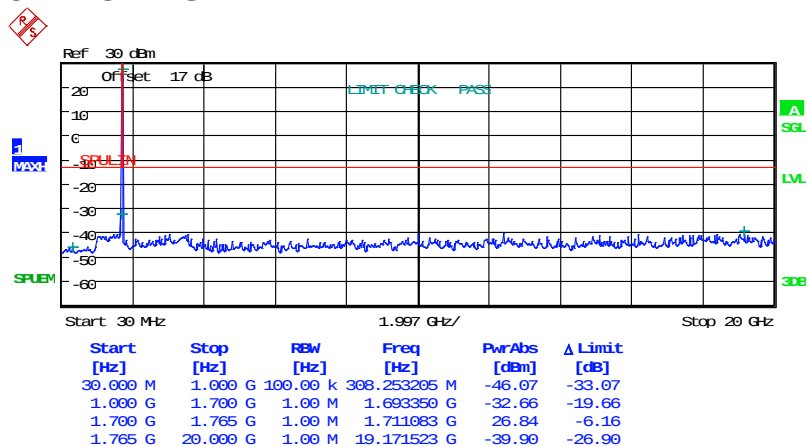


Date: 30.JUL.2025 13:34:51



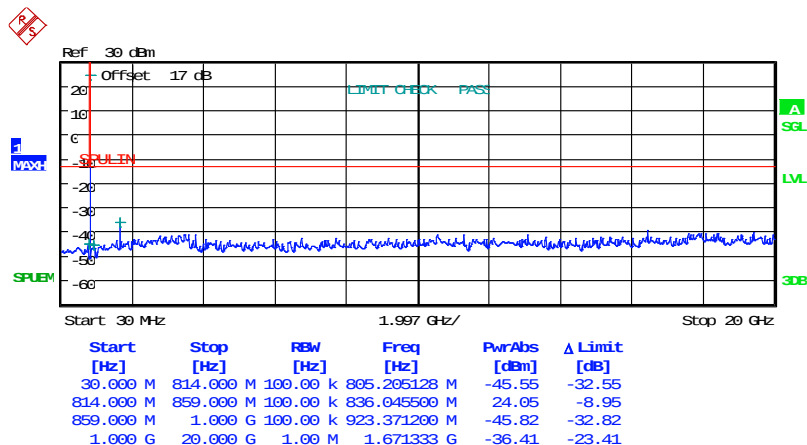
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 13:34:29

Band 5
1.4 MHz
QPSK

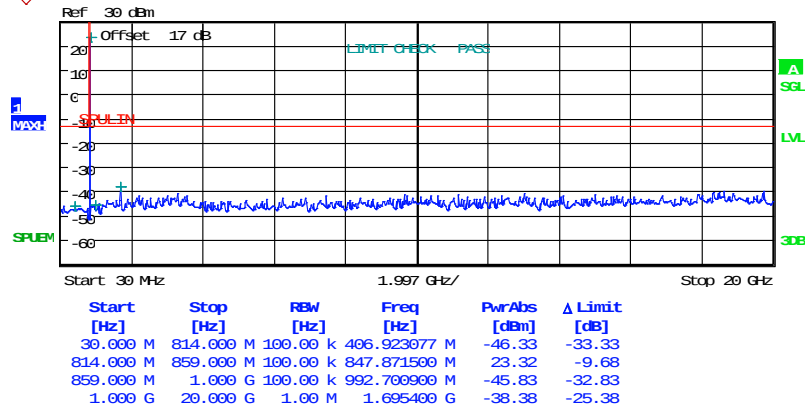


Date: 30.JUL.2025 14:21:12

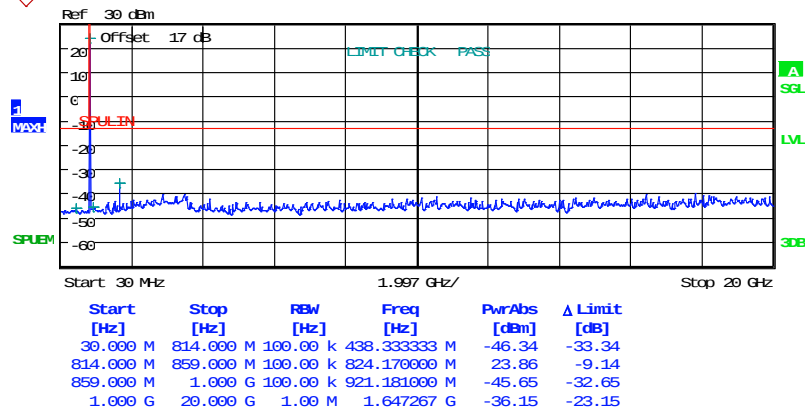


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:20:41



Date: 30.JUL.2025 14:20:57



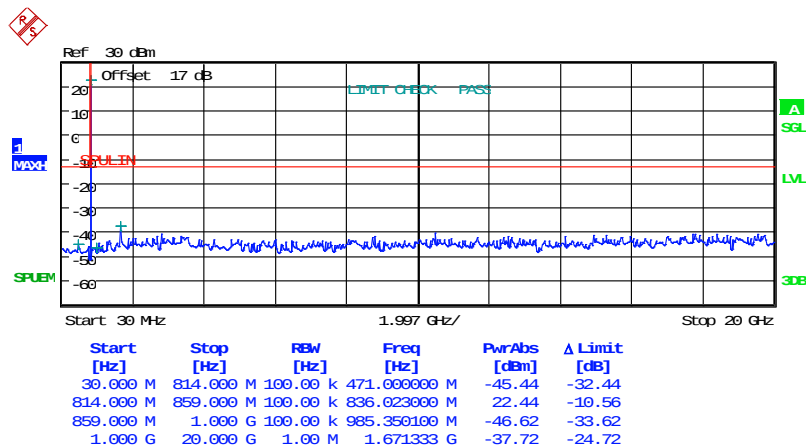
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

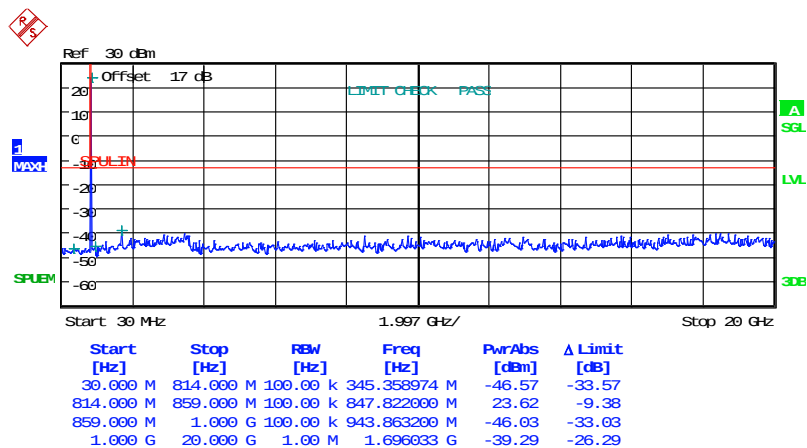
Band 5

1.4 MHz

16QAM



Date: 30.JUL.2025 14:19:19

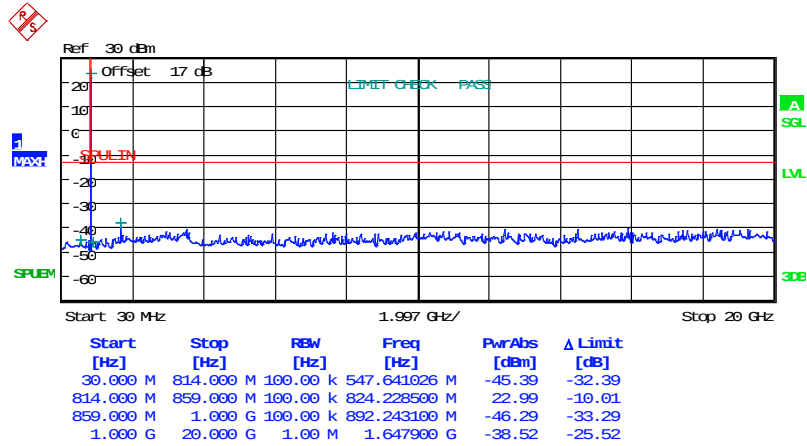


Date: 30.JUL.2025 14:20:09



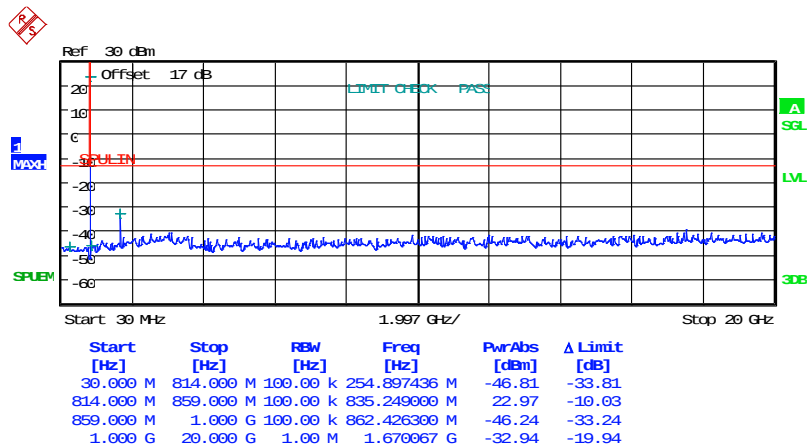
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:19:51

Band 5
3 MHz
QPSK



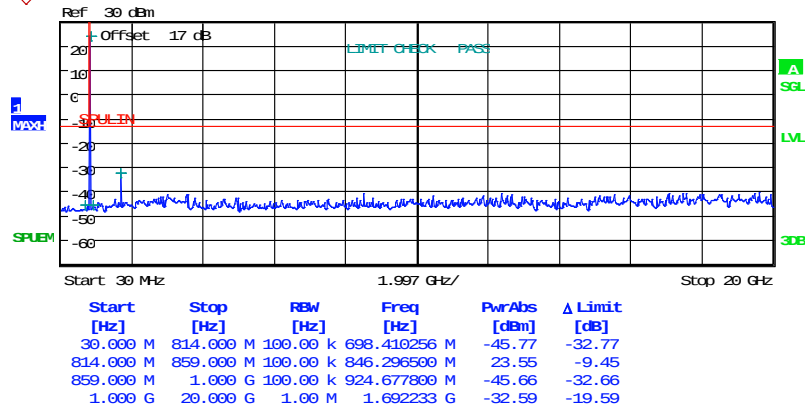
Date: 30.JUL.2025 14:21:51



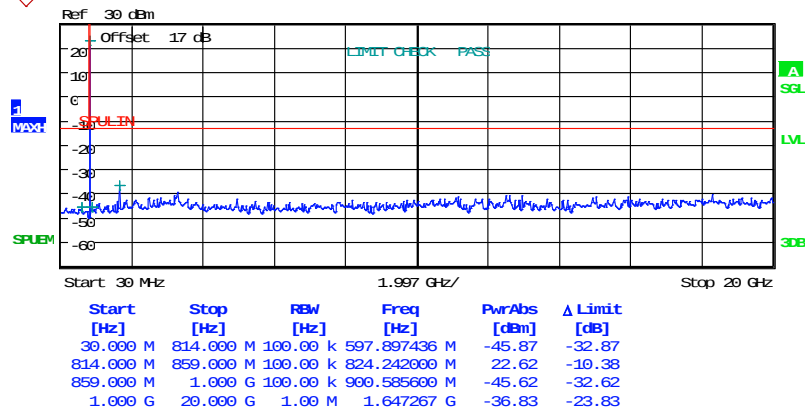
Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:22:37



Date: 30.JUL.2025 14:22:14



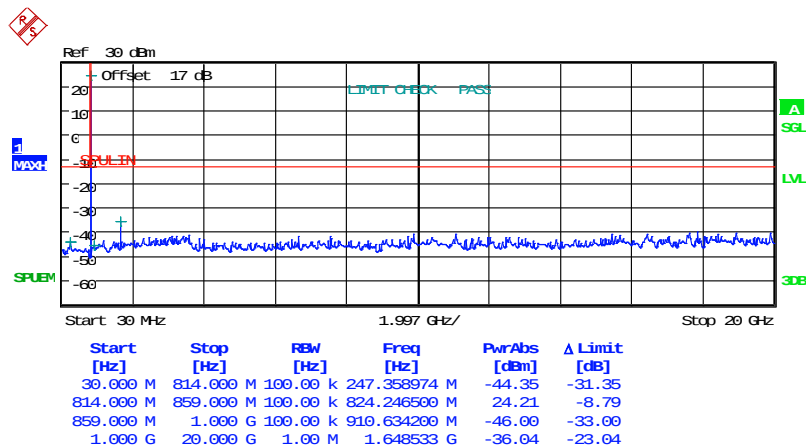
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

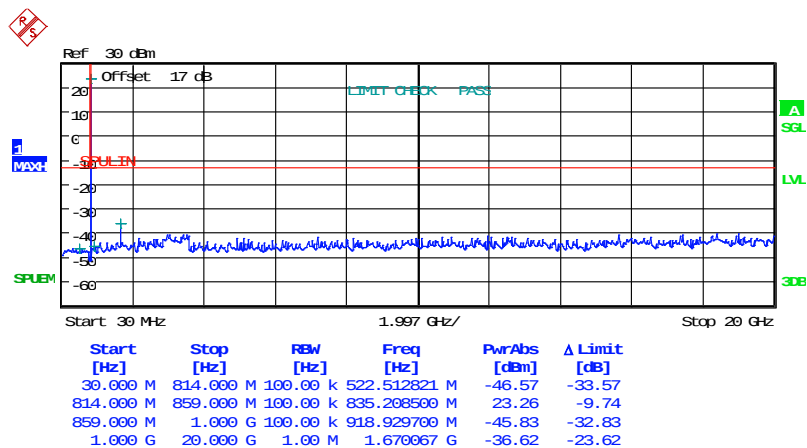
Band 5

3 MHz

16QAM



Date: 30.JUL.2025 14:23:56

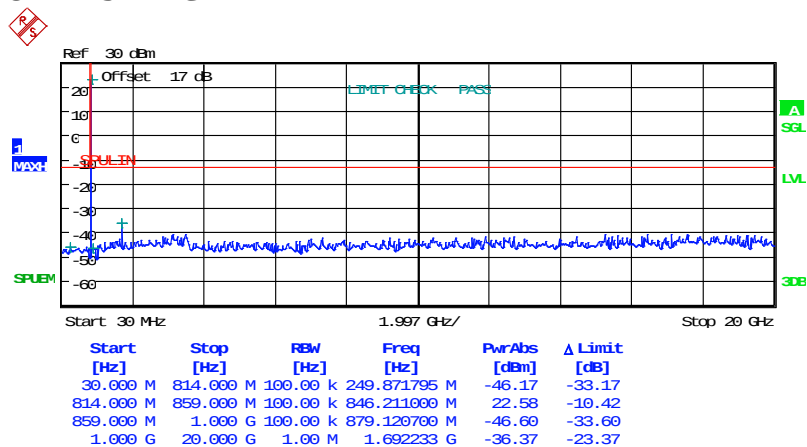


Date: 30.JUL.2025 14:24:47



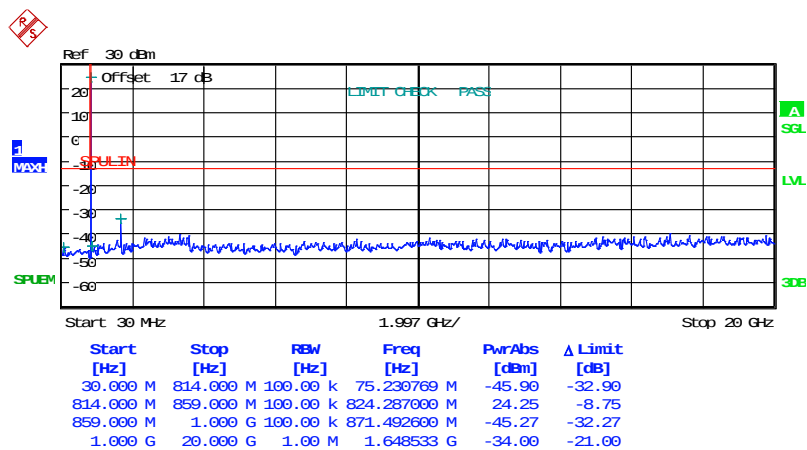
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:23:35

Band 5
5 MHz
QPSK

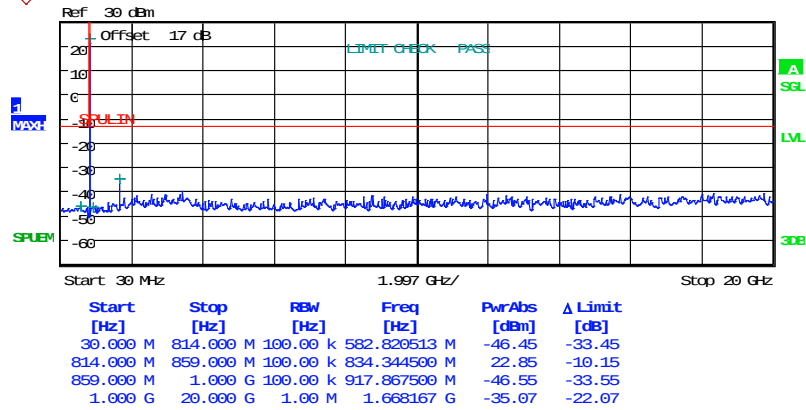


Date: 30.JUL.2025 14:28:34

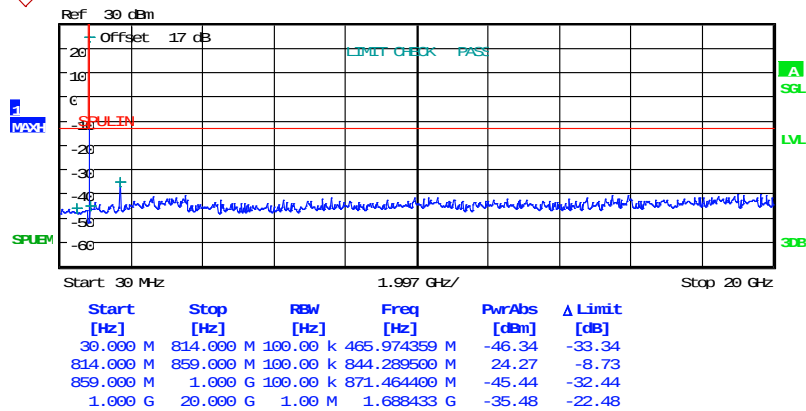


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:28:50



Date: 30.JUL.2025 14:28:20



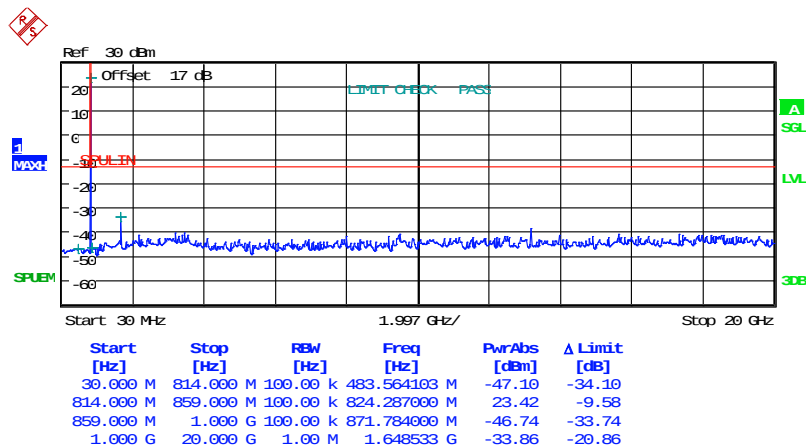
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

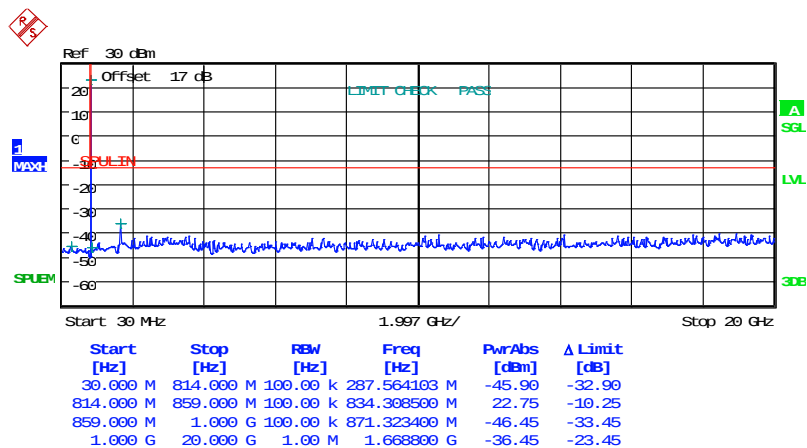
Band 5

5 MHz

16QAM



Date: 30.JUL.2025 14:26:57

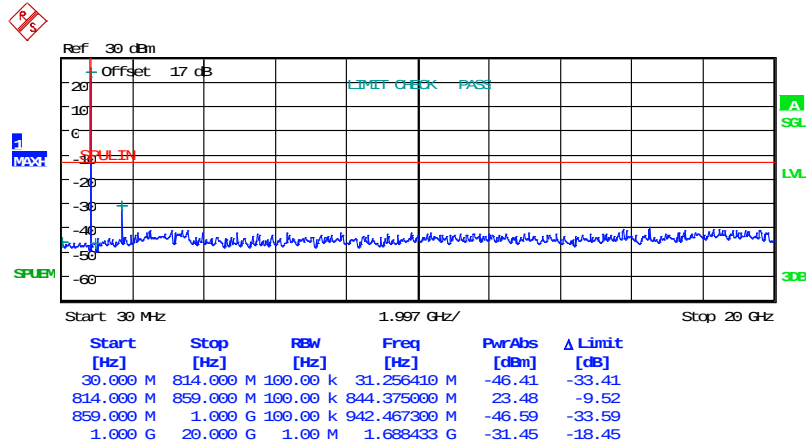


Date: 30.JUL.2025 14:26:33



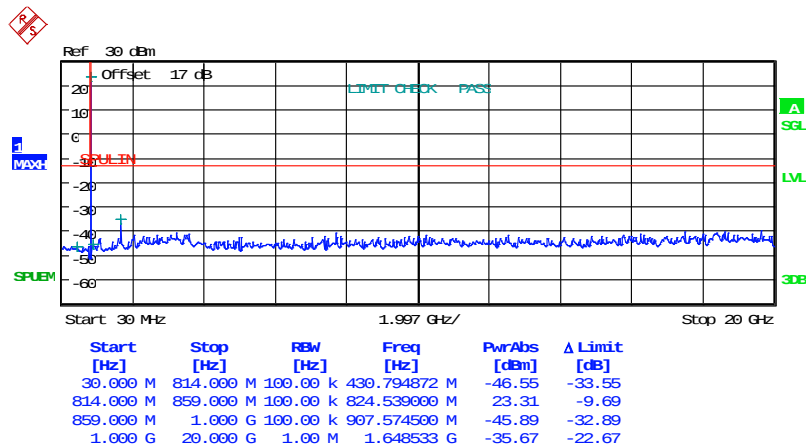
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:27:32

Band 5
10 MHz
QPSK

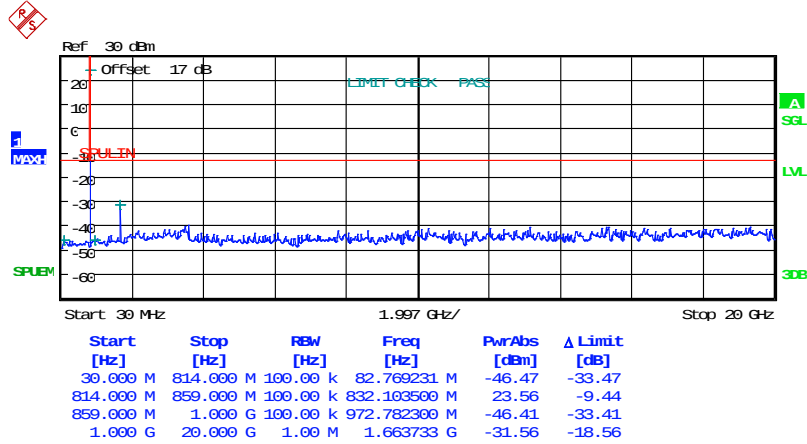


Date: 30.JUL.2025 14:31:10

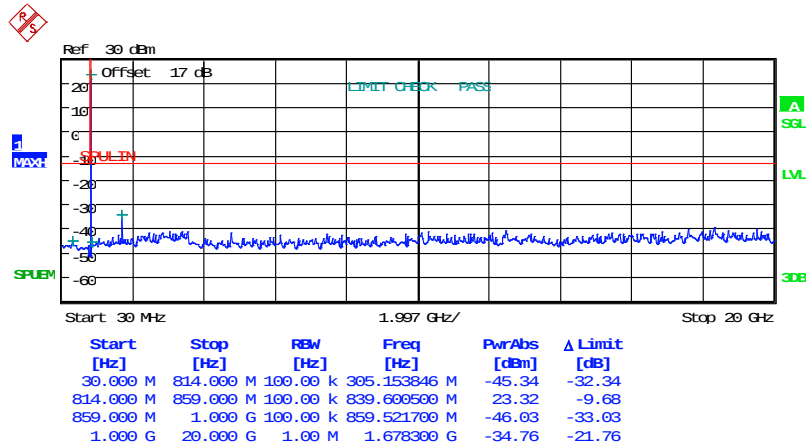


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:29:32



Date: 30.JUL.2025 14:31:42



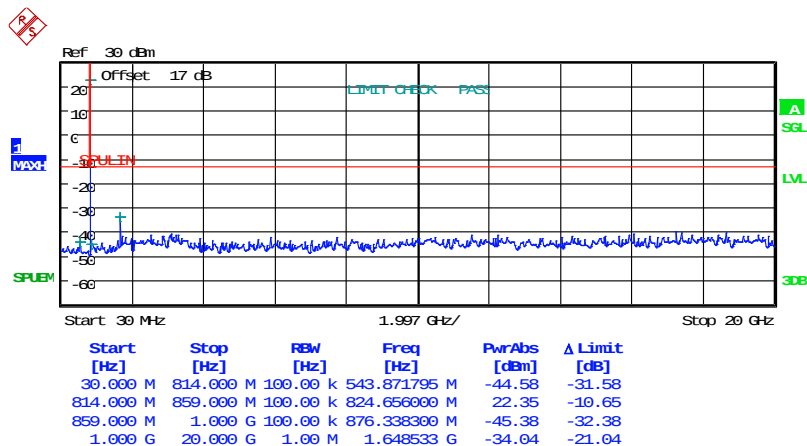
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

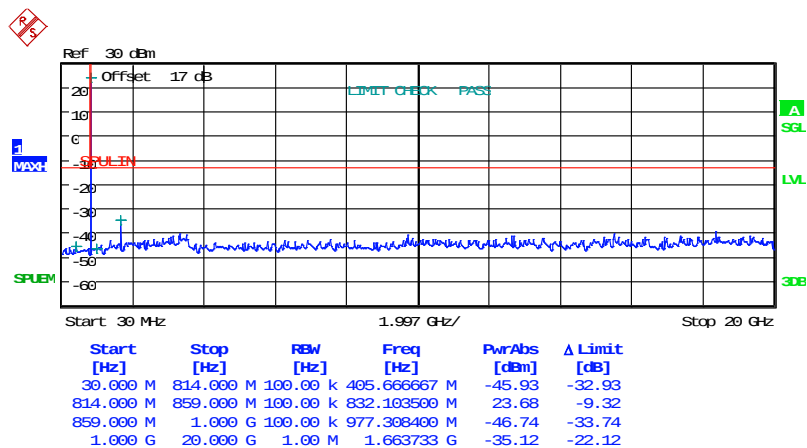
Band 5

10 MHz

16QAM



Date: 30.JUL.2025 14:33:05

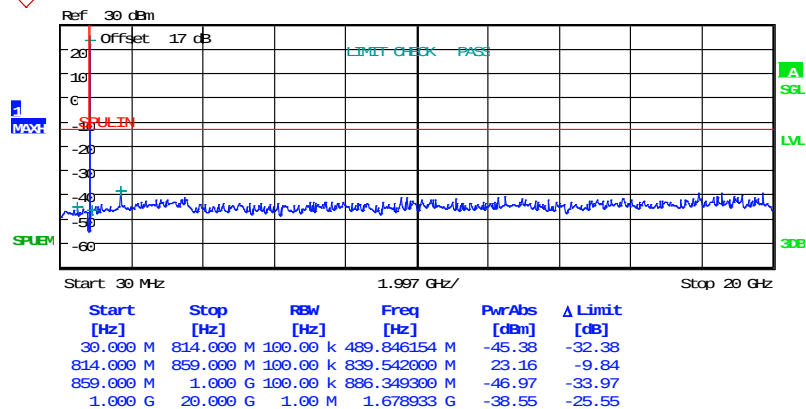


Date: 30.JUL.2025 14:33:33



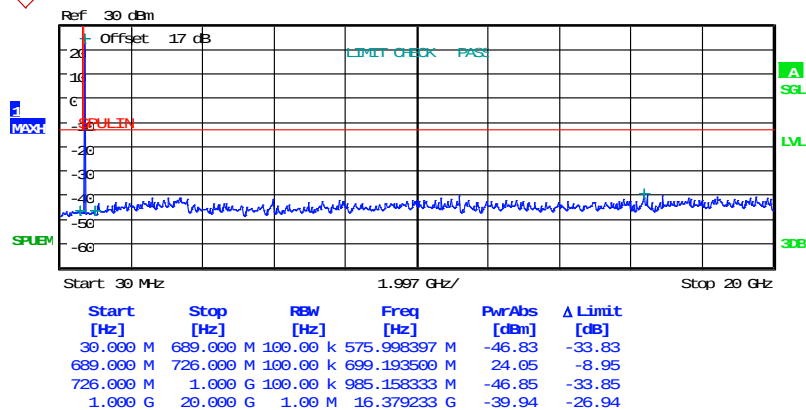
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:32:35

Band 12
1.4 MHz
QPSK

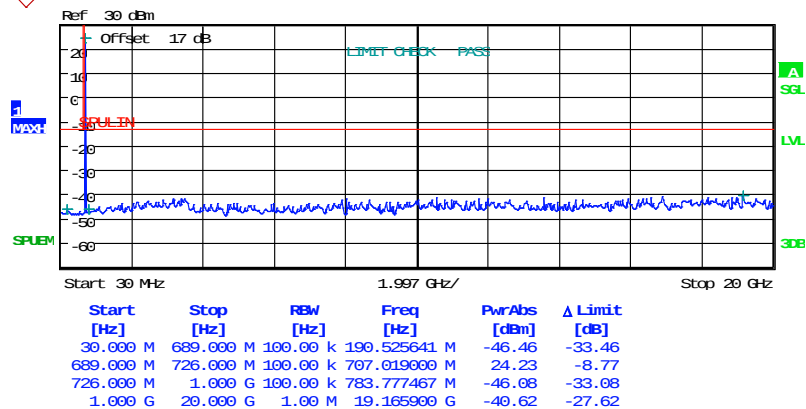


Date: 30.JUL.2025 14:55:25

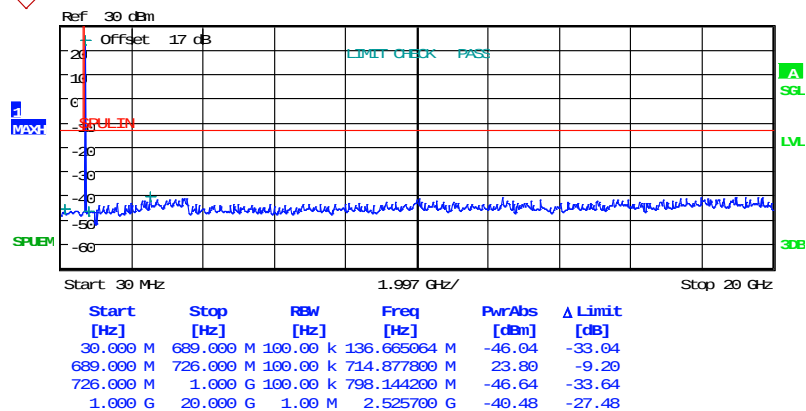


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:54:58



Date: 30.JUL.2025 14:56:00



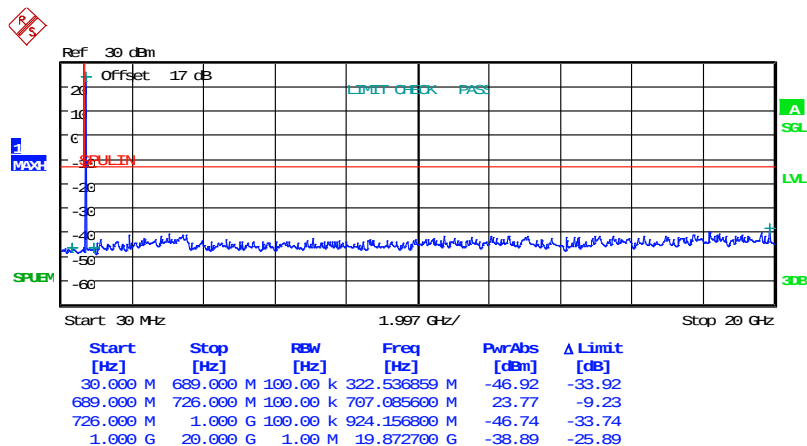
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

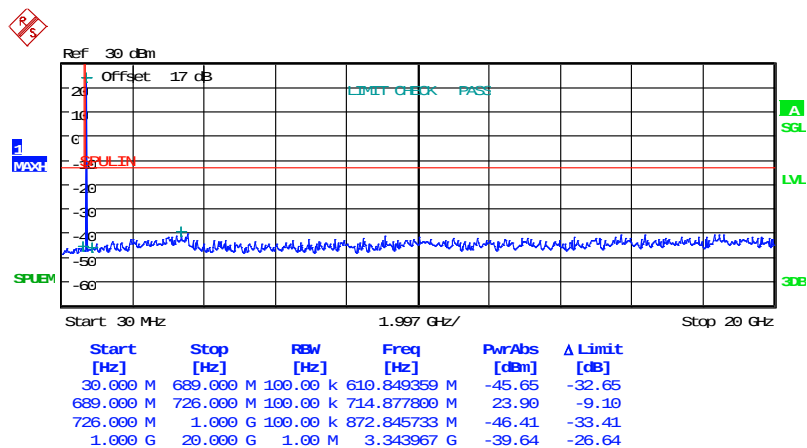
Band 12

1.4 MHz

16QAM



Date: 30.JUL.2025 14:57:05

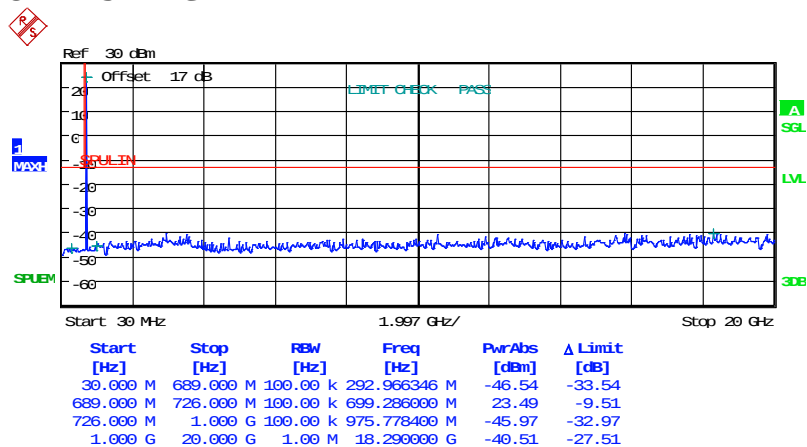


Date: 30.JUL.2025 14:56:27



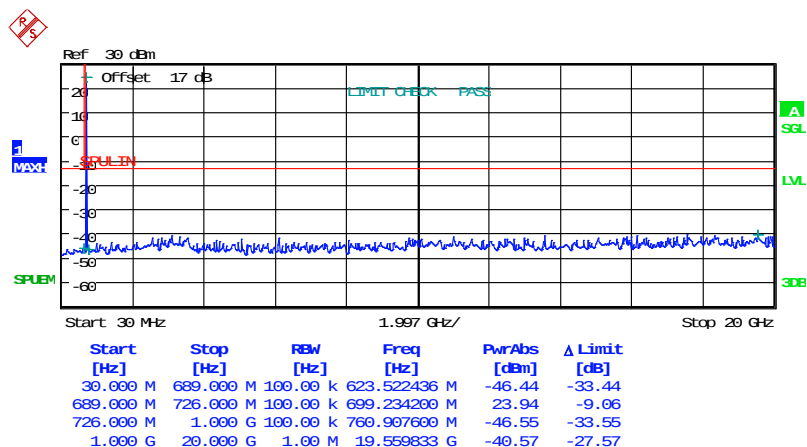
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:56:47

Band 12
3 MHz
QPSK

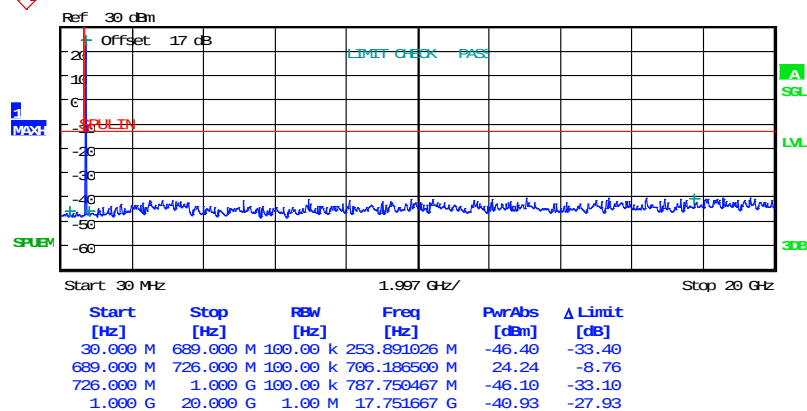


Date: 30.JUL.2025 14:53:58

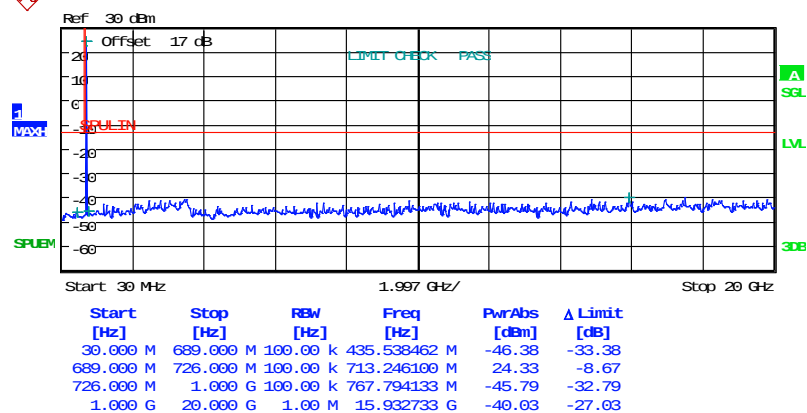


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:54:24



Date: 30.JUL.2025 14:53:29



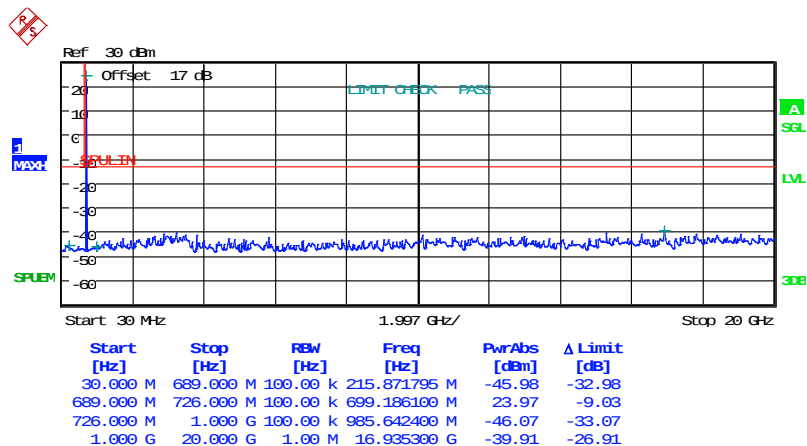
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

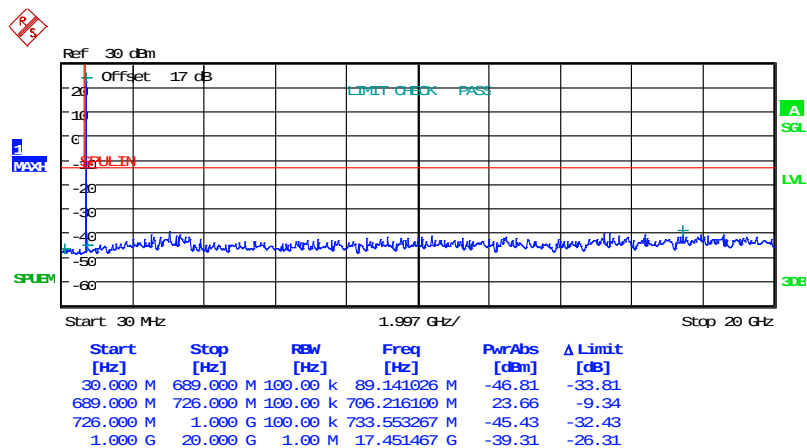
Band 12

3 MHz

16QAM



Date: 30.JUL.2025 14:52:32

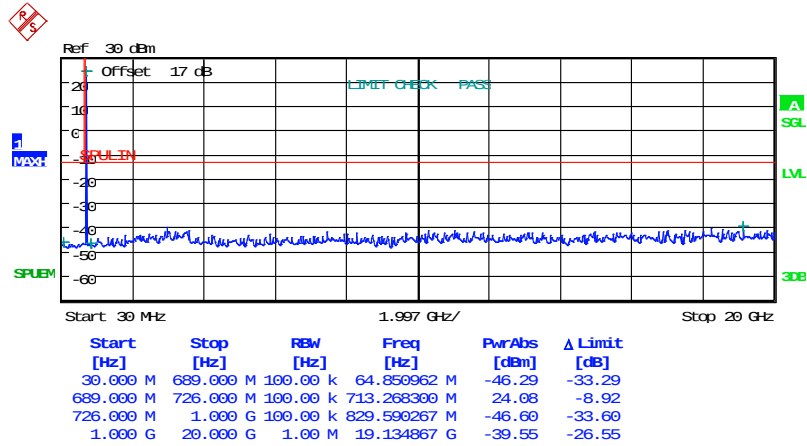


Date: 30.JUL.2025 14:52:16



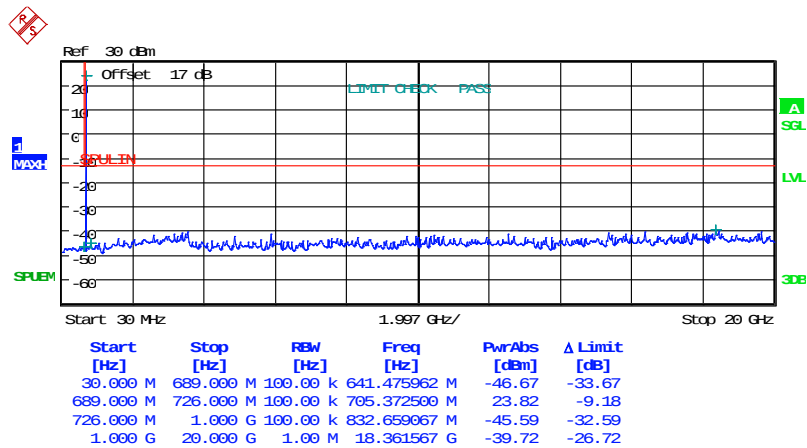
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:52:49

Band 12
5 MHz
QPSK

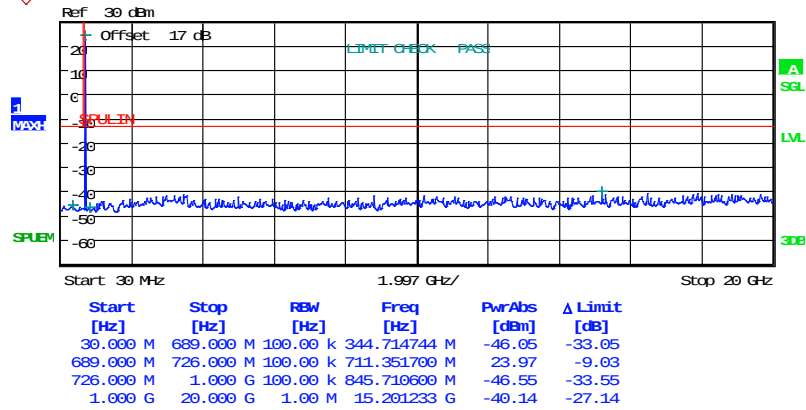


Date: 30.JUL.2025 14:49:43

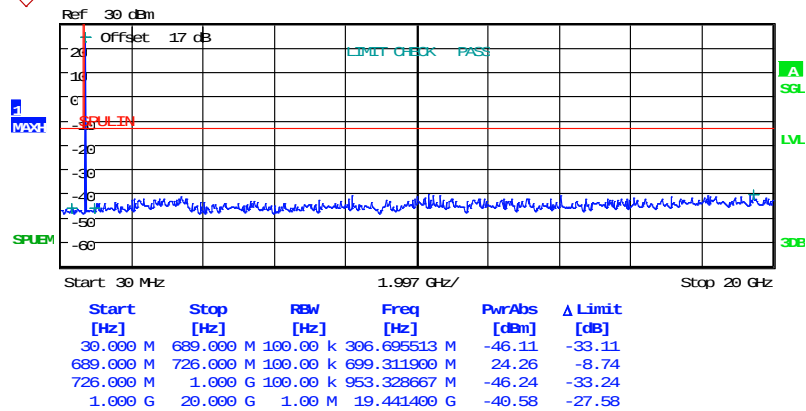


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:50:26



Date: 30.JUL.2025 14:50:07



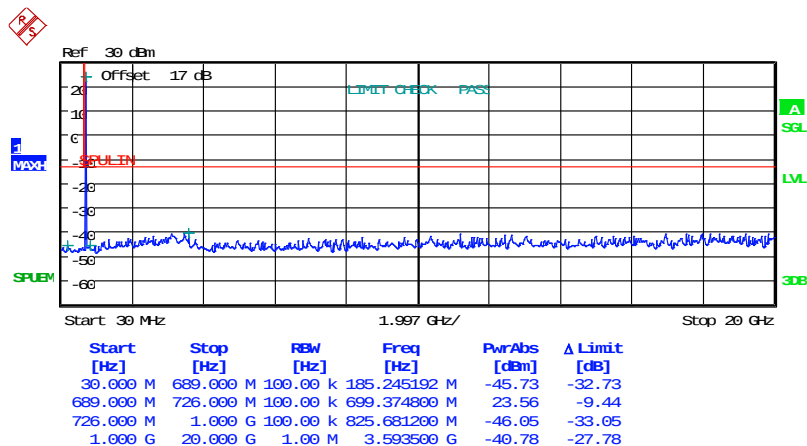
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

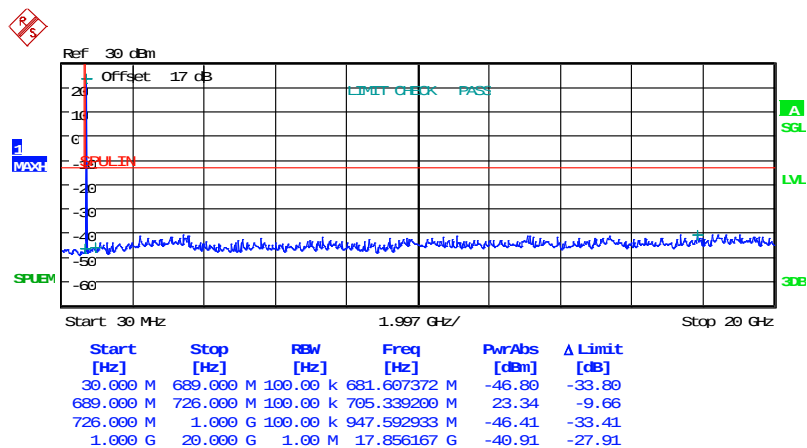
Band 12

5 MHz

16QAM



Date: 30.JUL.2025 14:51:18

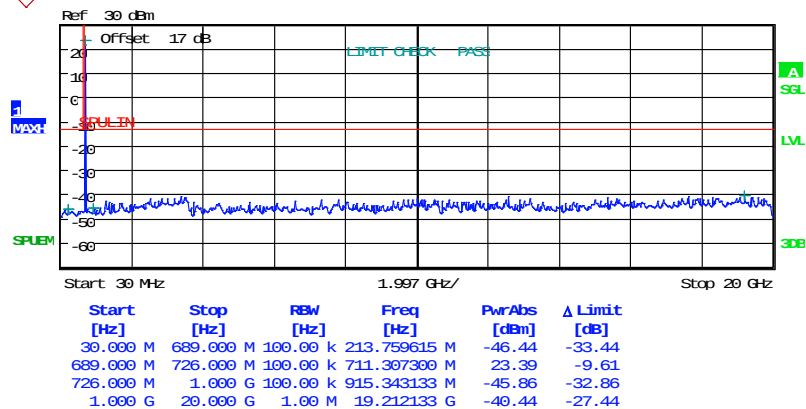


Date: 30.JUL.2025 14:51:35



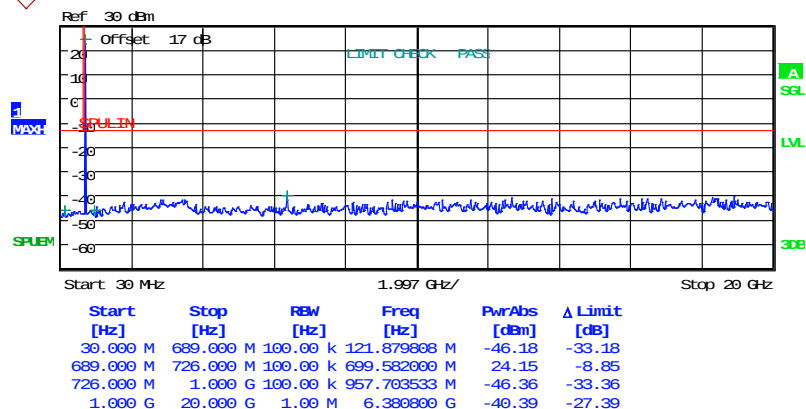
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:50:57

Band 12
10 MHz
QPSK

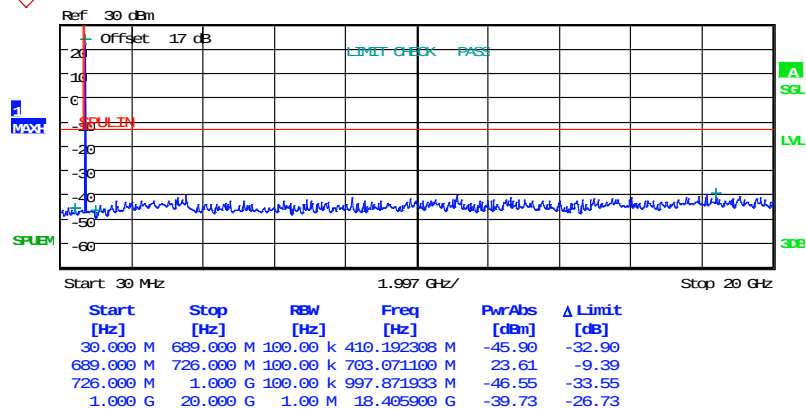


Date: 30.JUL.2025 14:46:08

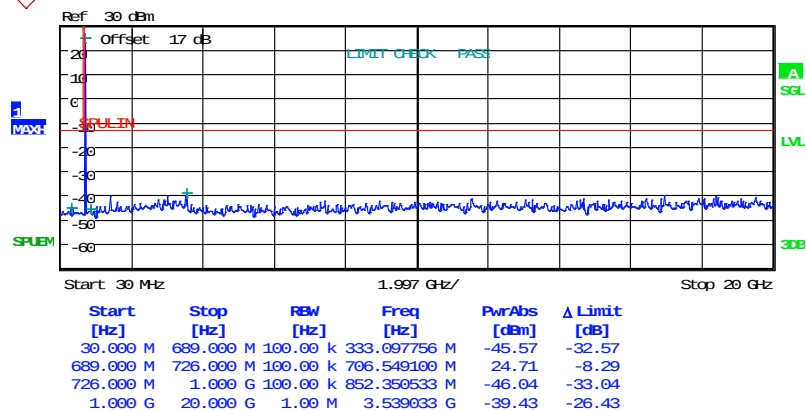


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 14:47:42



Date: 30.JUL.2025 14:45:51



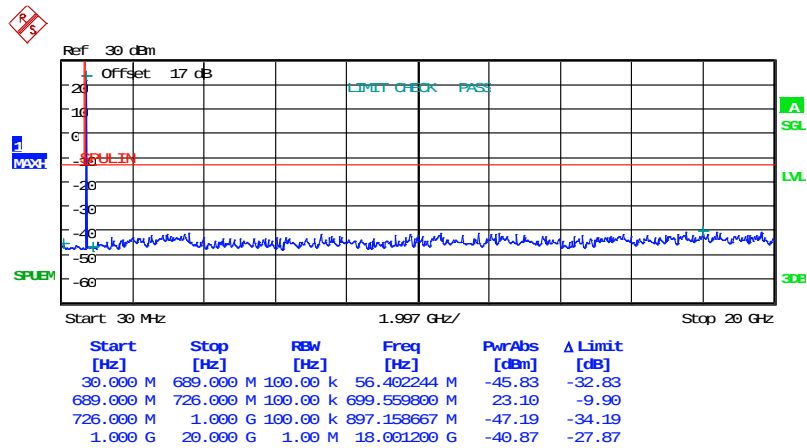
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

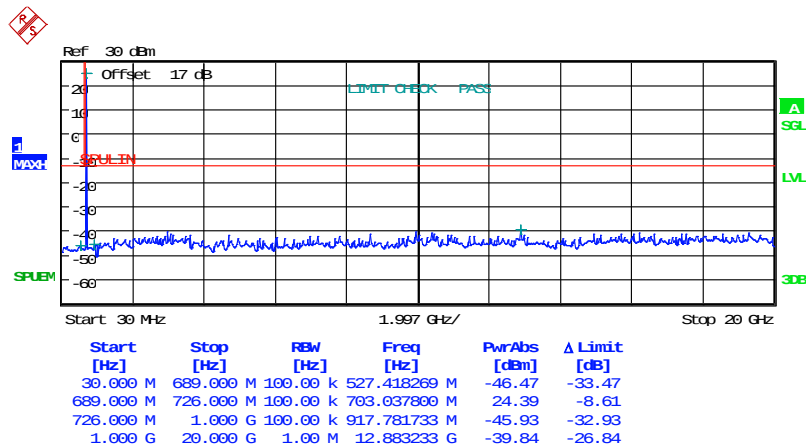
Band 12

10 MHz

16QAM



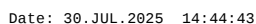
Date: 30.JUL.2025 14:44:02



Date: 30.JUL.2025 14:43:35



FCC ID: GX9MOBLIR32ADC



Ref: 30 dBm

Offset: 17 dB

LIMIT CHECK PASS

SQUAD

Start: 39 MHz

1.997 GHz/

Stop: 20 GHz

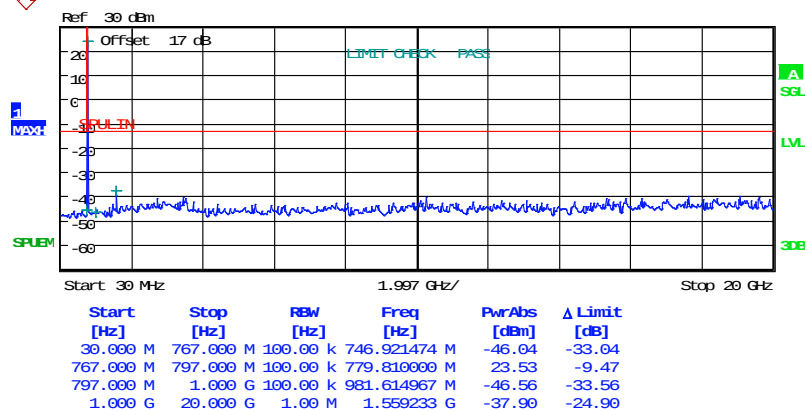
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
39.000 M	767.000 M	100.00 k	98.503205 M	-46.18	-33.18
767.000 M	797.000 M	100.00 k	777.302000 M	23.92	-9.08
797.000 M	1.000 G	100.00 k	961.490900 M	-45.96	-32.96
1.000 G	20.000 G	1.00 M	1.554800 G	-37.89	-24.89

Date: 30.JUL.2025 15:01:46

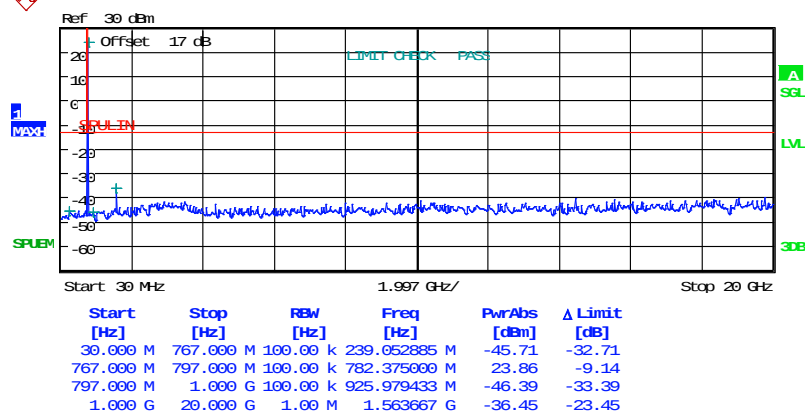


Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 15:02:10



Date: 30.JUL.2025 15:02:33



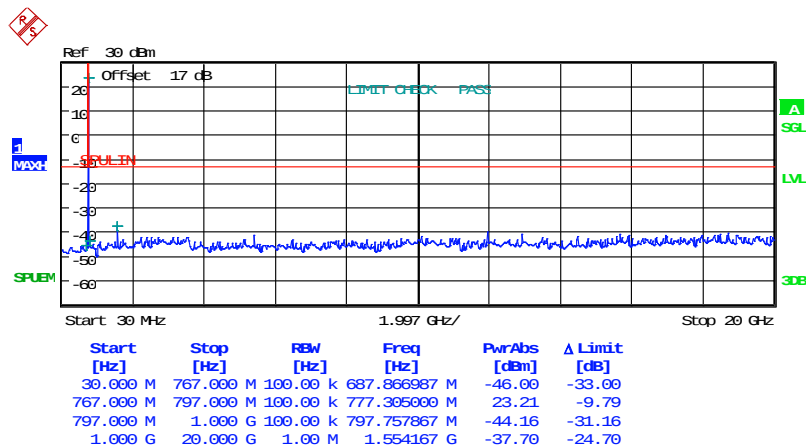
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

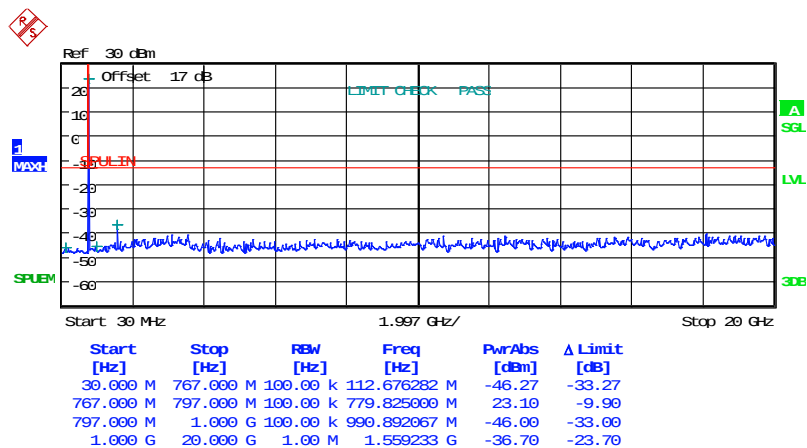
Band 13

5 MHz

16QAM



Date: 30.JUL.2025 15:04:06



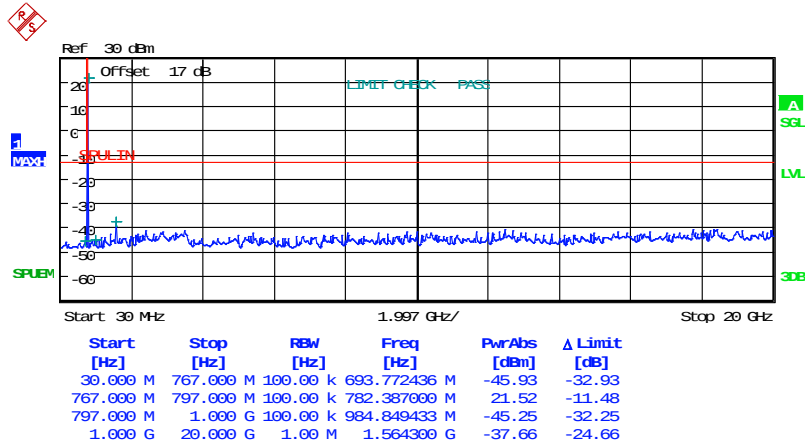
Date: 30.JUL.2025 15:04:24



Worldwide Testing Services(Taiwan) Co., Ltd.

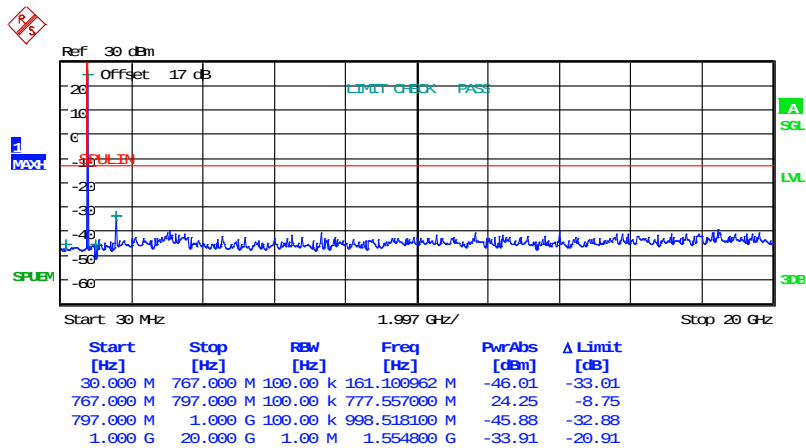
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 15:03:24

Band 13
10 MHz
QPSK



Date: 30.JUL.2025 15:08:26



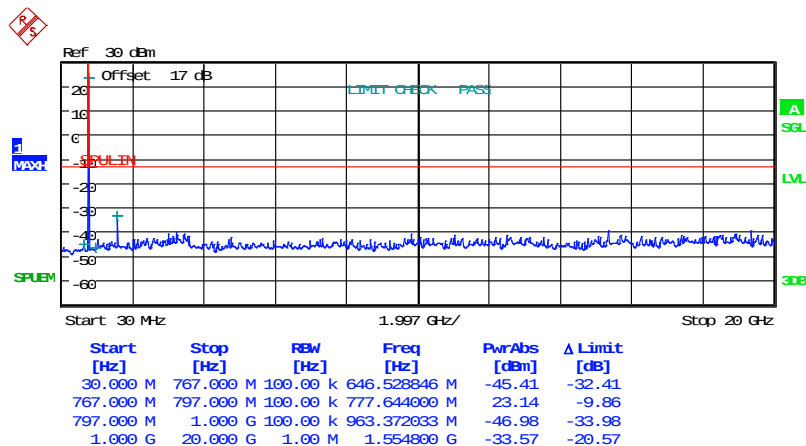
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

Band 13

10 MHz

16QAM



Date: 30.JUL.2025 15:06:08

7.3 Explanation of test result

All factors like cable loss and external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

7.4 Calculation of Limit for Spurious at Antenna Terminals

Compliance with § 22.917, §24.238, §27.53 requires that any emission be attenuated below the transmitter power at least $43 + 10 \log P$ (P = transmitter power in Watts).

Limit for Spurious Emissions at Antenna Terminals: $L=P-A=-13\text{dBm}$



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

8 Field Strength of Spurious Radiation

8.1 Test procedure

The test procedure for filed strength measurement is same as radiated power except for a notch filter or band pass filter is used to avoid the influence of fundamental to the pre-amplifier.

The measurements below 1GHz were performed with a measurement bandwidth of 100kHz, above 1GHz with a bandwidth of 1 MHz.

8.2 Test Results

The measurements of the spurious emission are at the upper, center and lower channel.

Model: Mobile Lite R32-ADC

Date:

Mode: --

Temperature: -- °C Engineer: --

Polarization: Horizontal

Humidity: -- %

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

Polarization: Vertical

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

- Note**
1. Correction Factor = Antenna factor + Cable loss - Preamplifier
 2. The formula of measured value as: Test Result = Reading + Correction Factor
 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. See attached diagrams in appendix.

8.3 Explanation of test result

Result Level = Reading Level + Corrected Factor

Corrected Factor = SG level – Received level-Cable loss + substitution antenna gain

8.4 Calculation of Limit for Field Strength of Spurious

Compliance with § 22.917, § 24.238, § 27.53, § 90.691 requires that any emission be attenuated below the transmitter power at least $43 + 10 \log P$ (P = transmitter power in Watts).

Limit for Spurious Emissions at Antenna Terminals: $L=P-A=-13\text{dBm}$



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

8.5 Test result of band edge emissions

Test date: July 30, 2025

Temperature: 25.8 °C

Humidity: 58.0 %

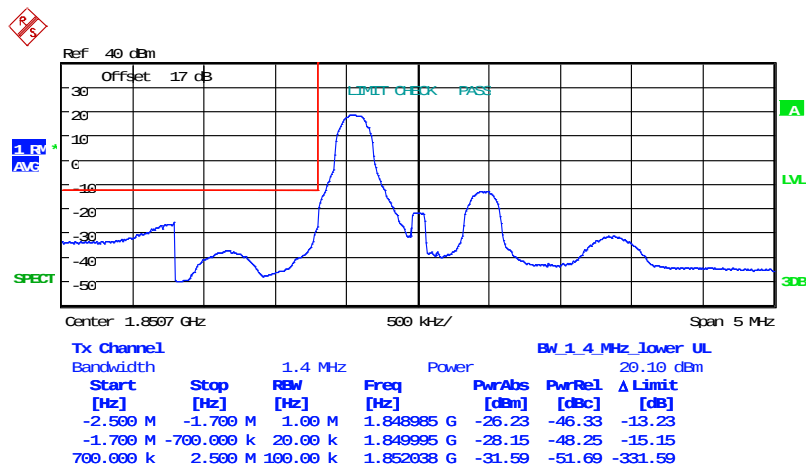
Tester: Sora

Band 2

1.4 MHz

QPSK

1RB

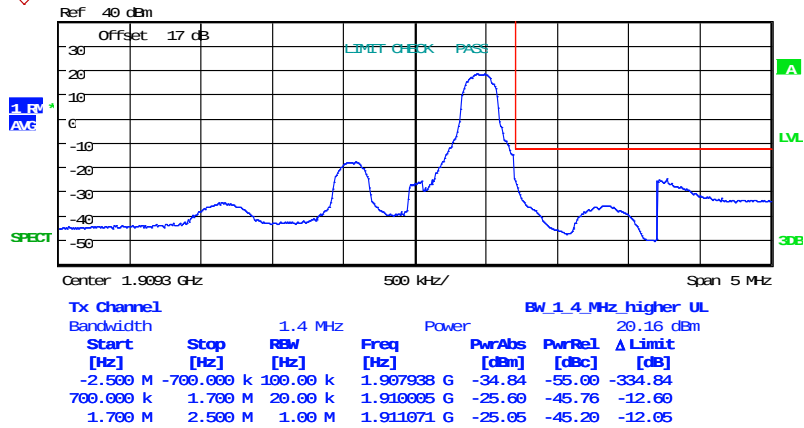


Date: 29.JUL.2025 17:42:21



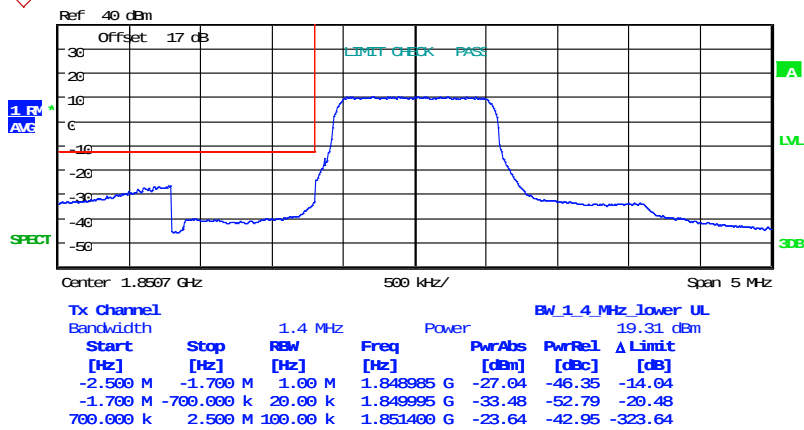
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 29.JUL.2025 17:39:19

FRB

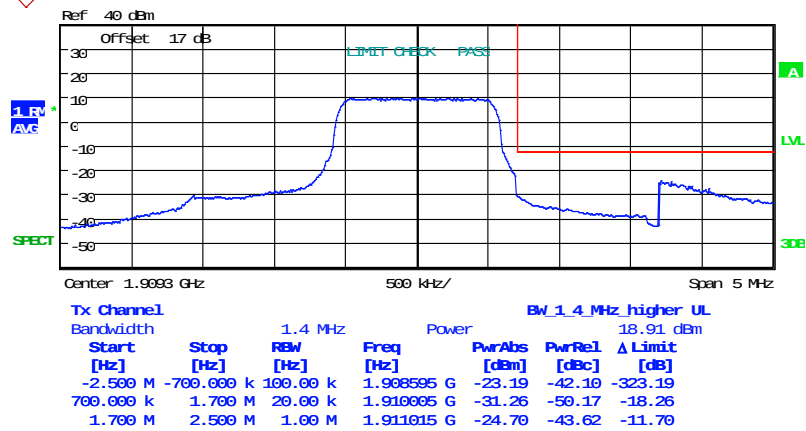


Date: 29.JUL.2025 17:41:49



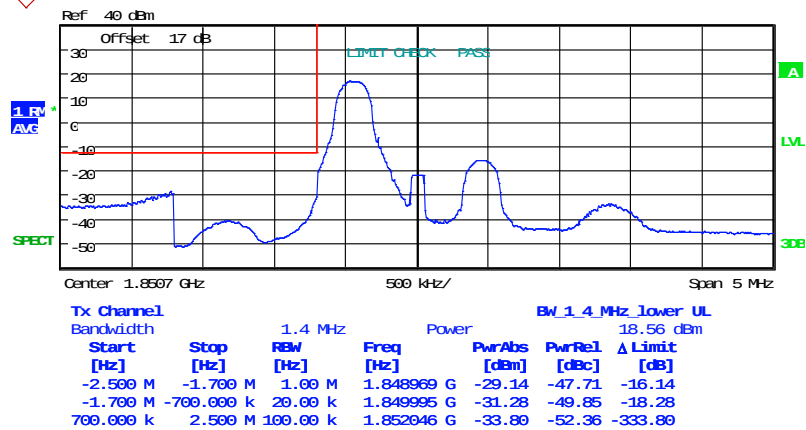
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 29.JUL.2025 17:39:50

16QAM
1RB

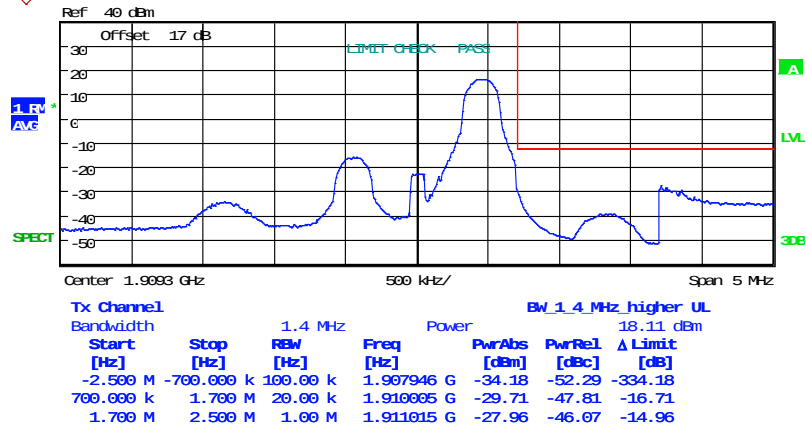


Date: 29.JUL.2025 17:41:14



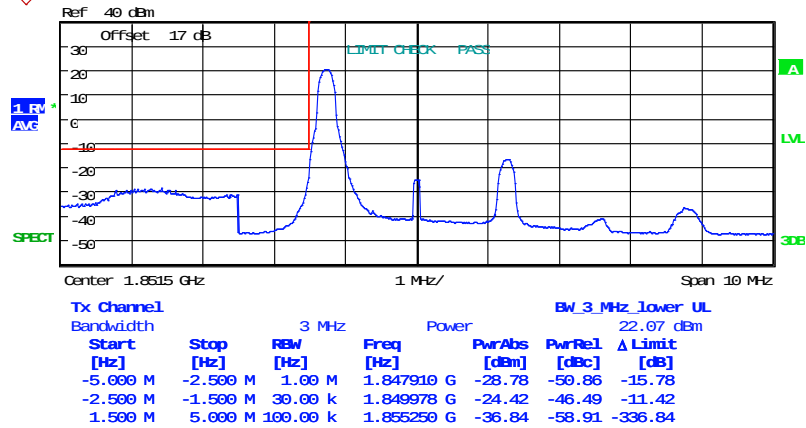
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FCC ID: GX9MOBLIR32ADC



Date: 29.JUL.2025 17:40:27

3 MHz
QPSK
1RB

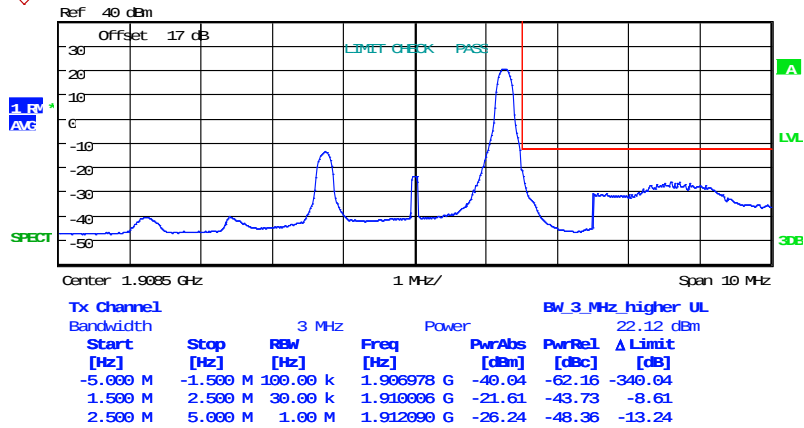


Date: 30.JUL.2025 08:44:55



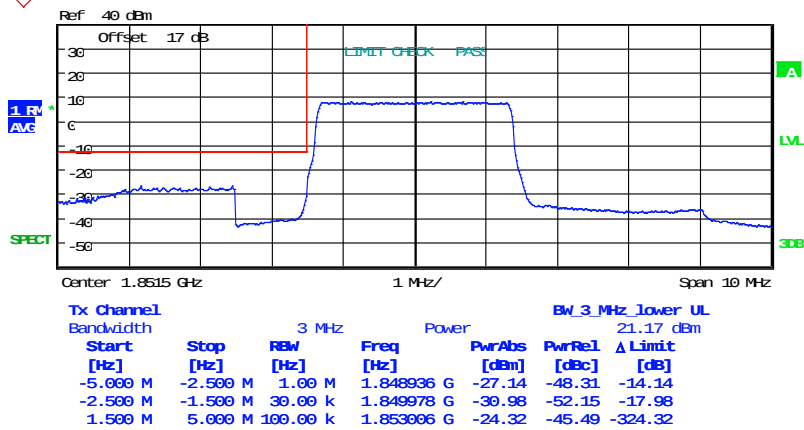
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 08:42:55

FRB

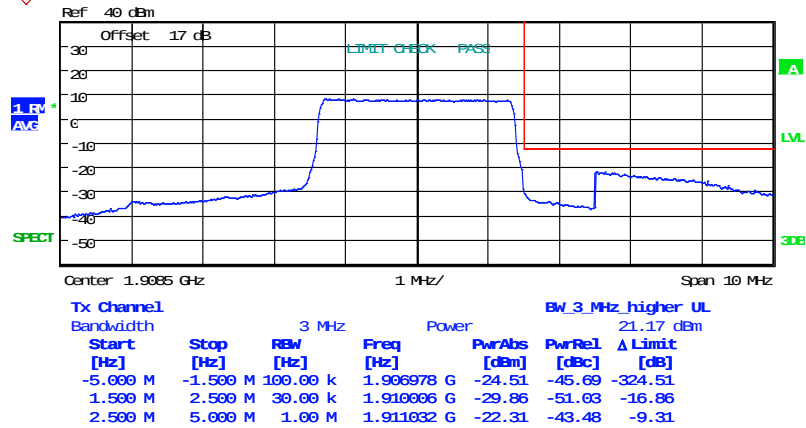


Date: 30.JUL.2025 08:45:24



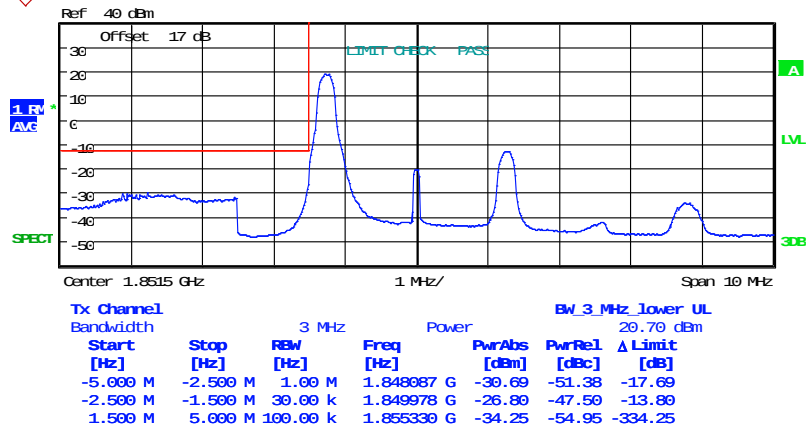
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 08:42:14

16QAM
1RB

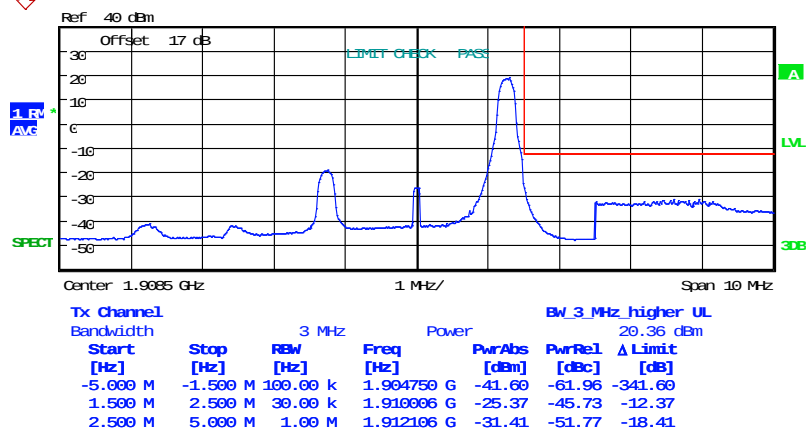


Date: 30.JUL.2025 08:44:23



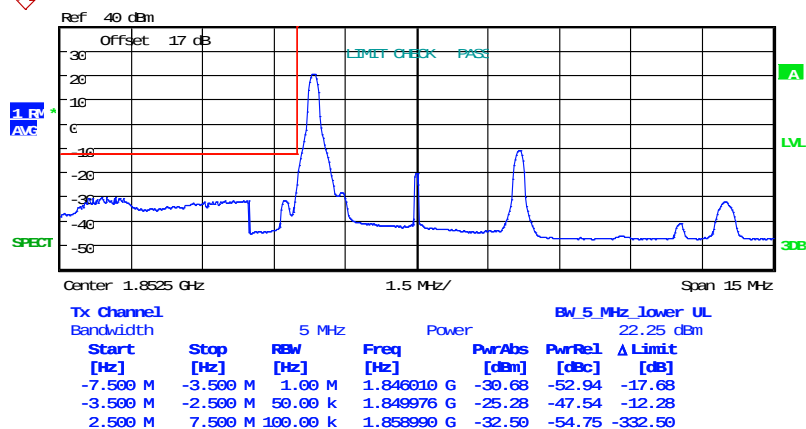
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 08:43:31

5 MHz
QPSK
1RB

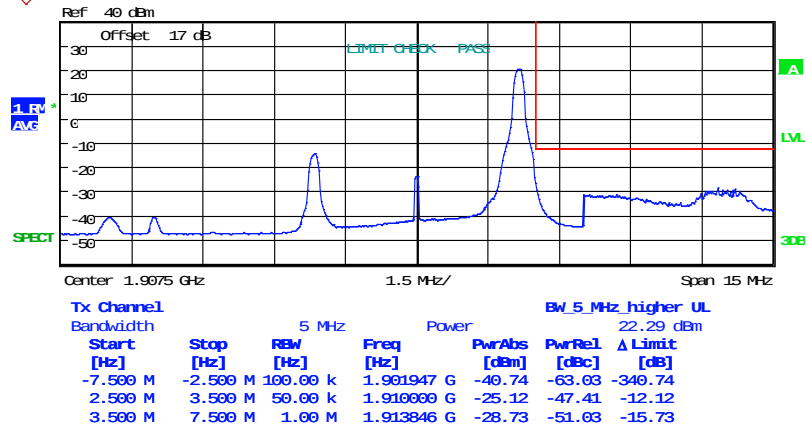


Date: 30.JUL.2025 09:00:44



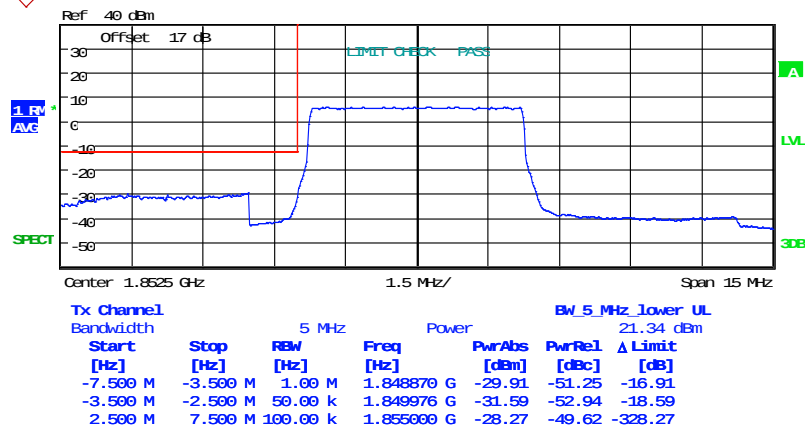
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:02:30

FRB

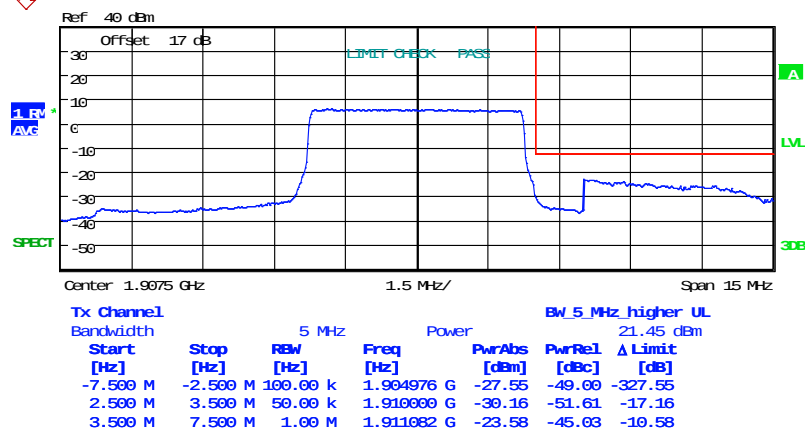


Date: 30.JUL.2025 08:58:13



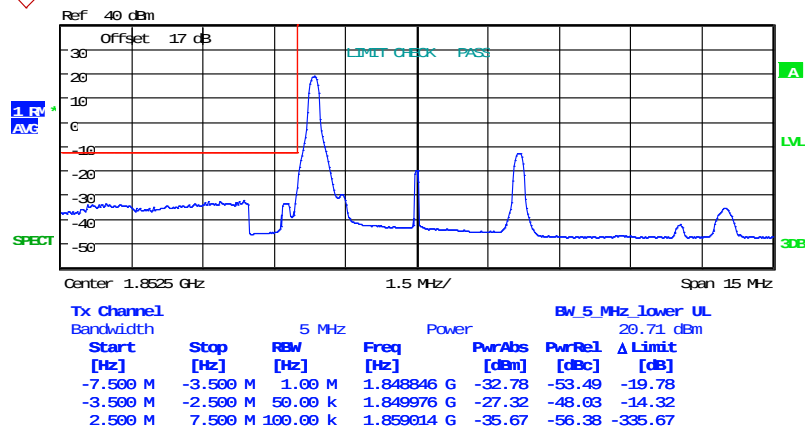
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:02:58

16QAM
1RB

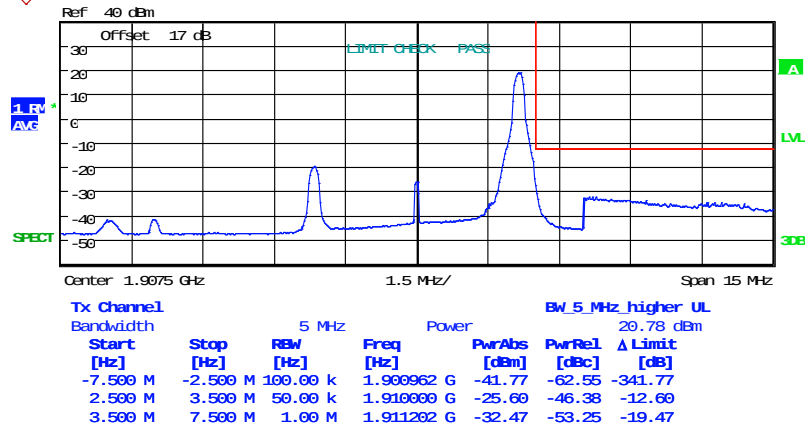


Date: 30.JUL.2025 09:01:14



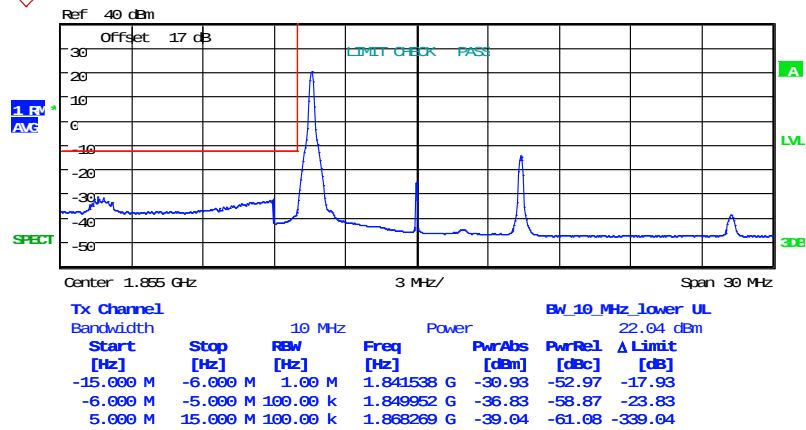
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:01:55

10 MHz
QPSK
1RB

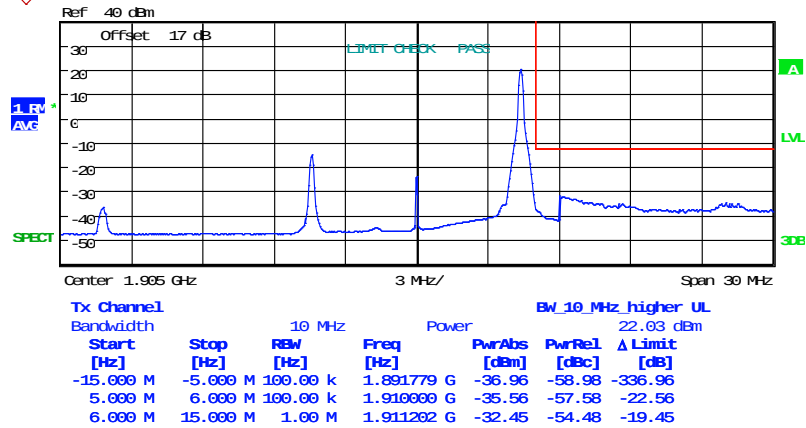


Date: 30.JUL.2025 09:50:35



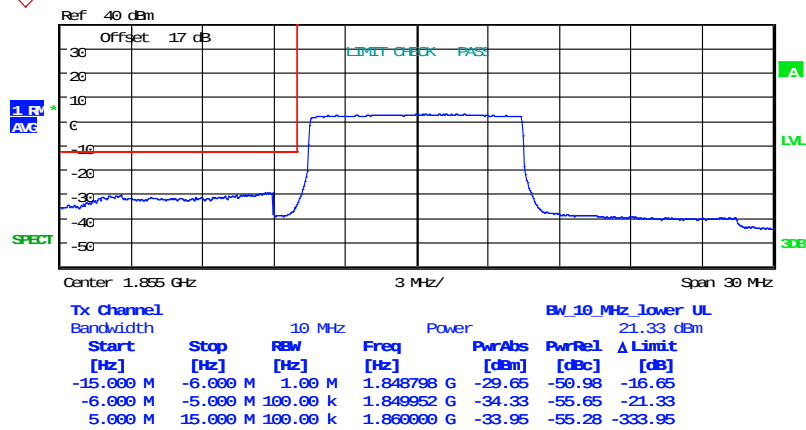
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:48:49

FRB

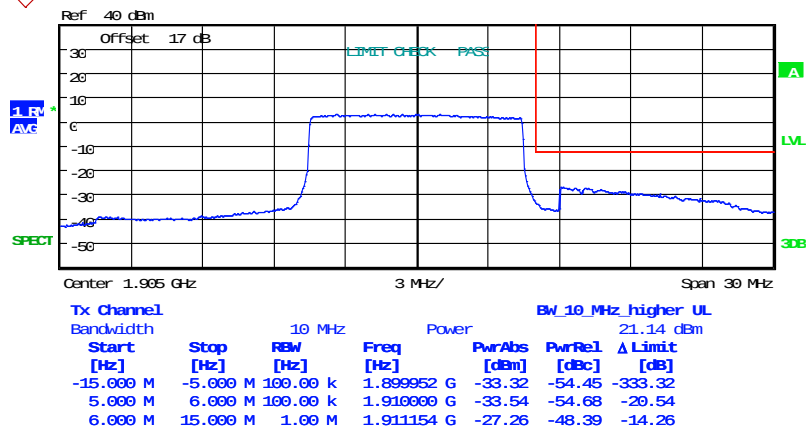


Date: 30.JUL.2025 09:51:03



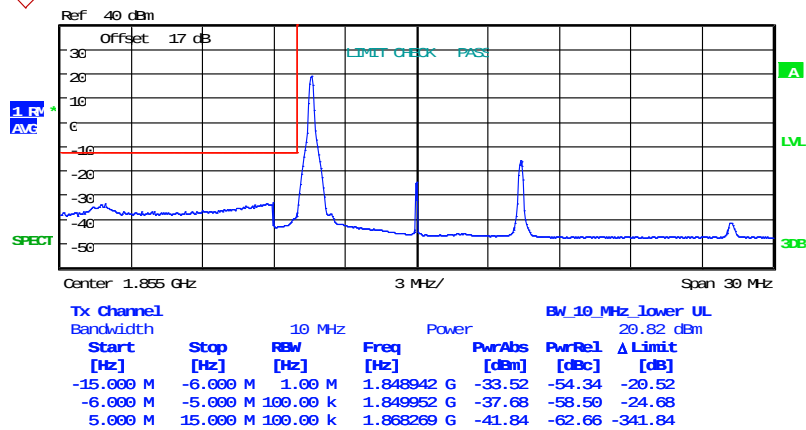
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:48:18

16QAM
1RB

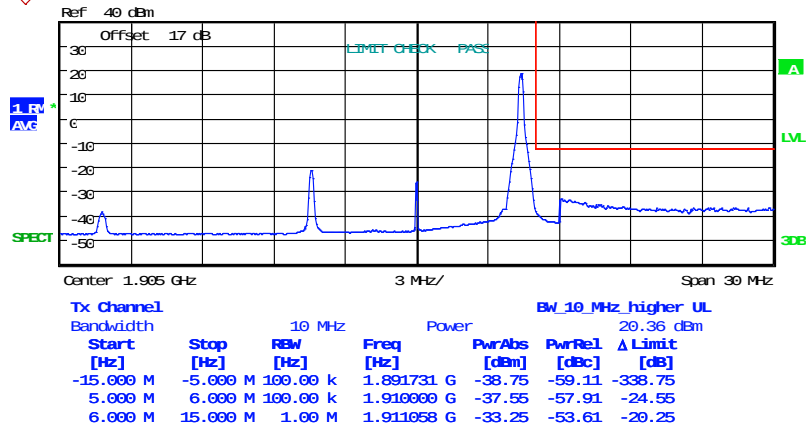


Date: 30.JUL.2025 09:50:01



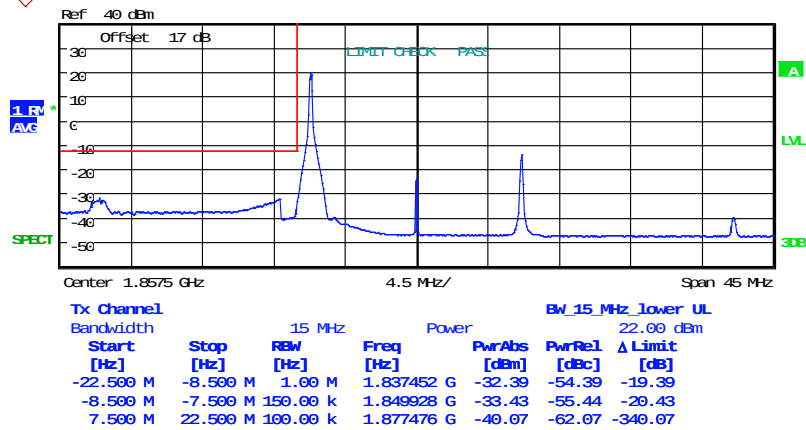
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:49:20

15 MHz
QPSK
1RB

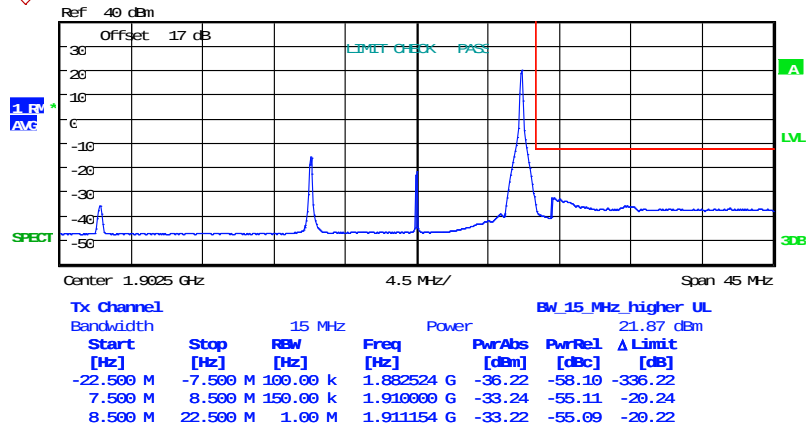


Date: 30.JUL.2025 09:55:56



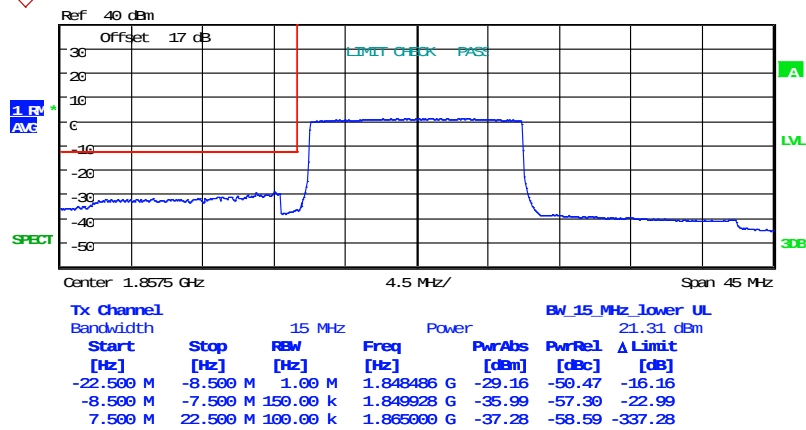
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FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:57:56

FRB

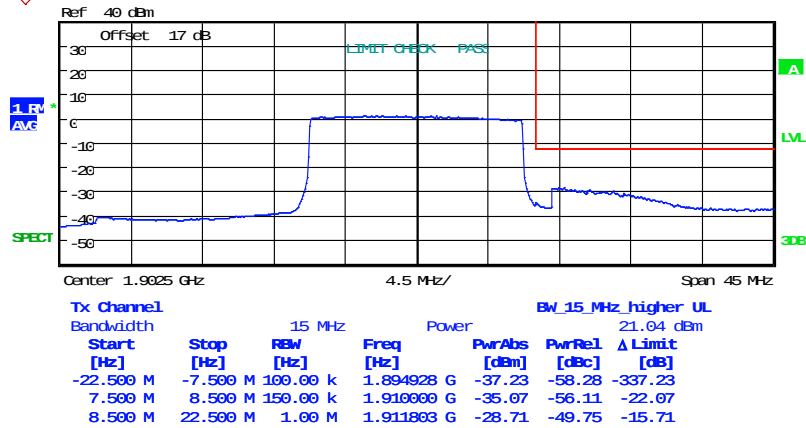


Date: 30.JUL.2025 09:55:27



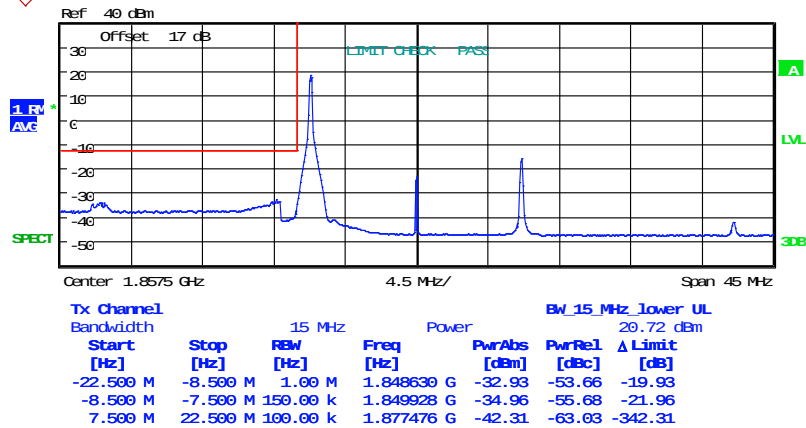
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 09:58:23

16QAM
1RB

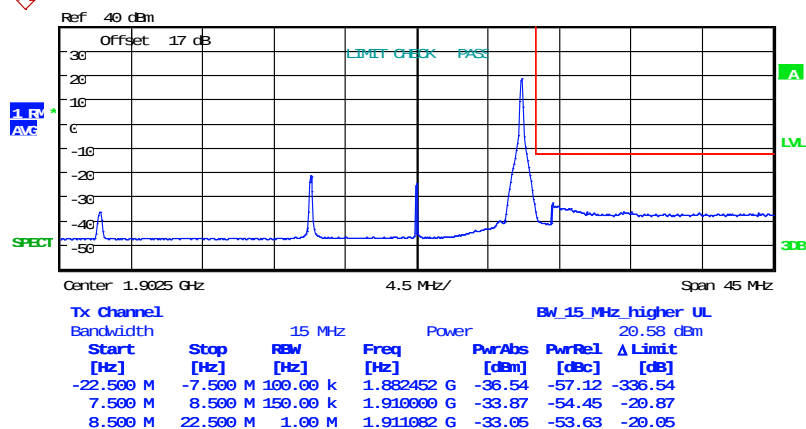


Date: 30.JUL.2025 09:56:32



Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC

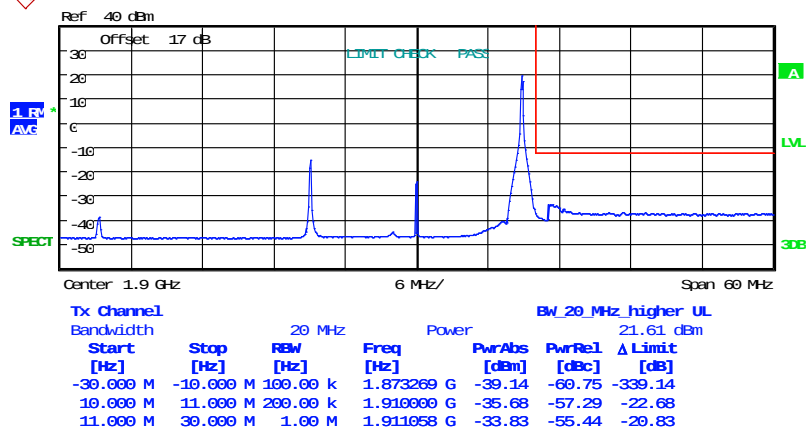


Date: 30.JUL.2025 09:57:15

20 MHz

QPSK

1RB

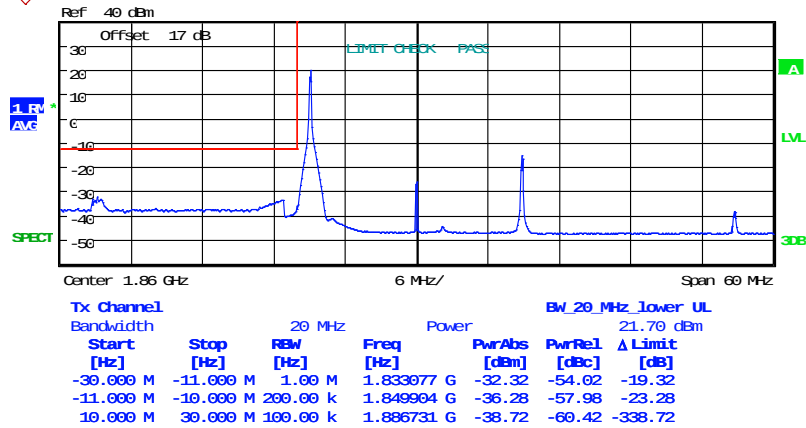


Date: 30.JUL.2025 10:12:52



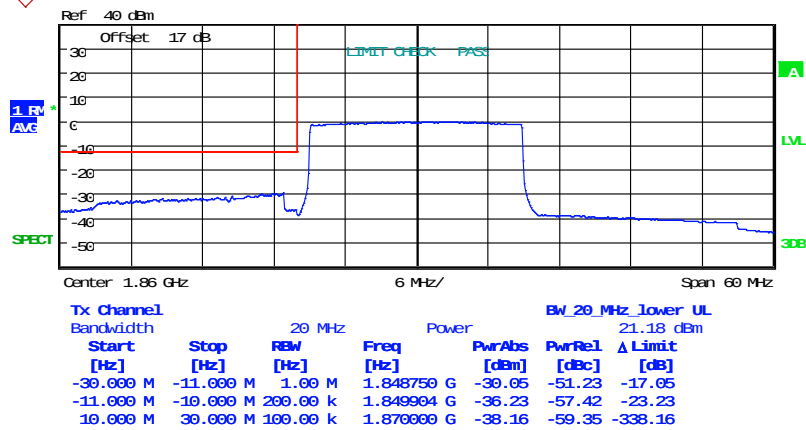
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 10:11:10

FRB

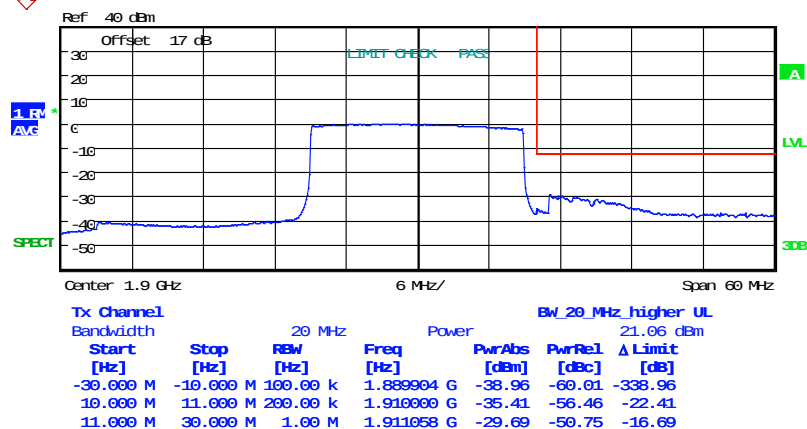


Date: 30.JUL.2025 10:10:45



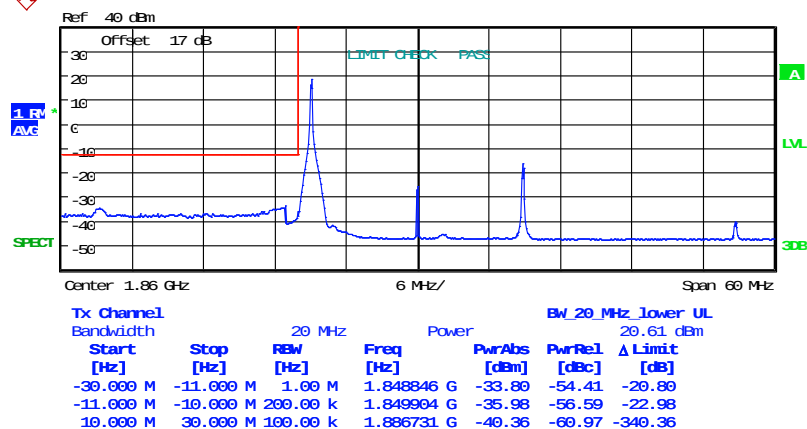
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 10:13:16

16QAM
1RB

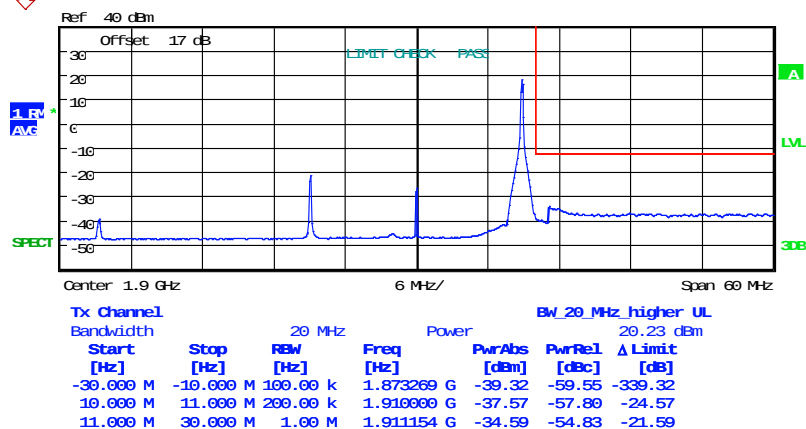


Date: 30.JUL.2025 10:11:43



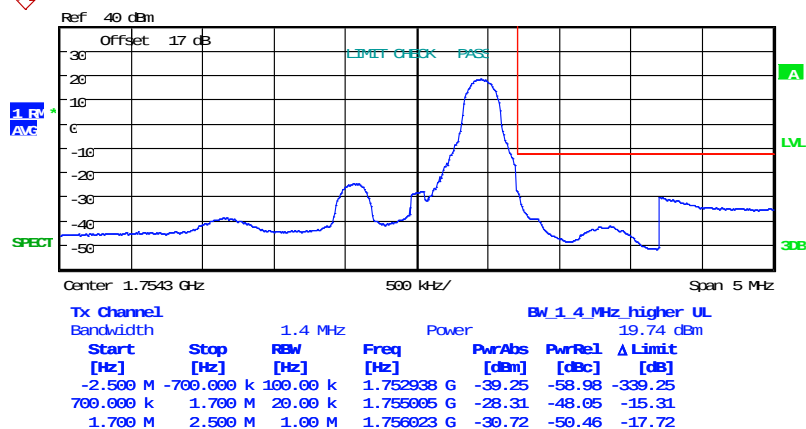
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 30.JUL.2025 10:12:22

Band 4
1.4 MHz
QPSK
1RB

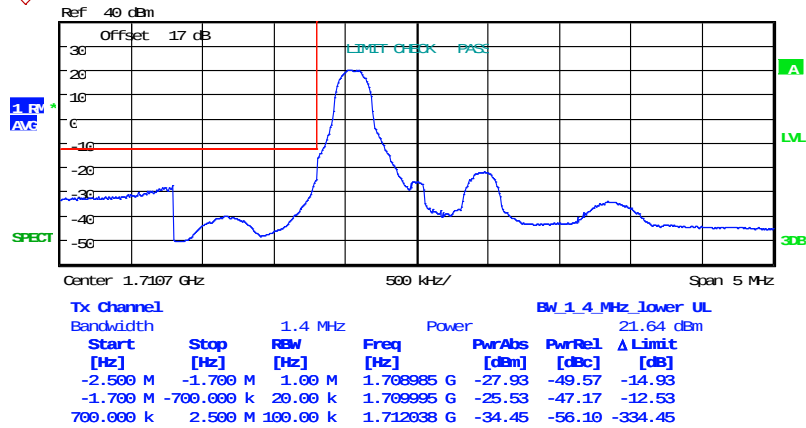


Date: 29.JUL.2025 18:09:05



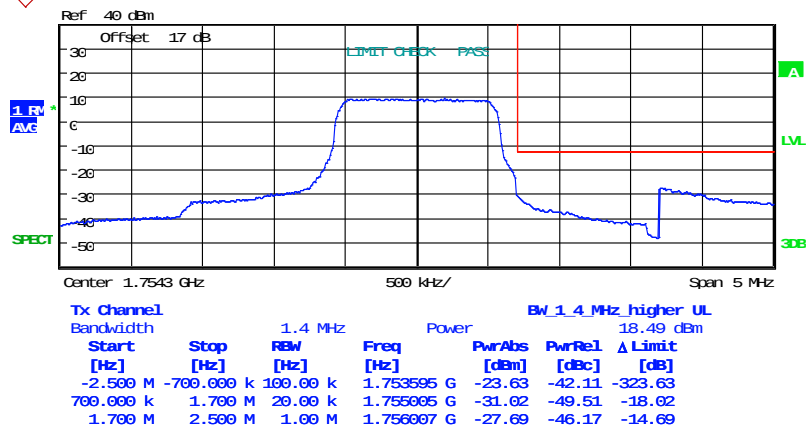
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 29.JUL.2025 18:06:26

FRB

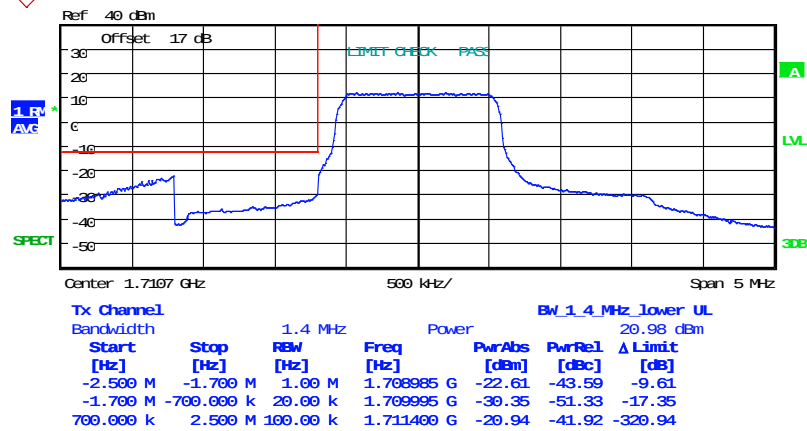


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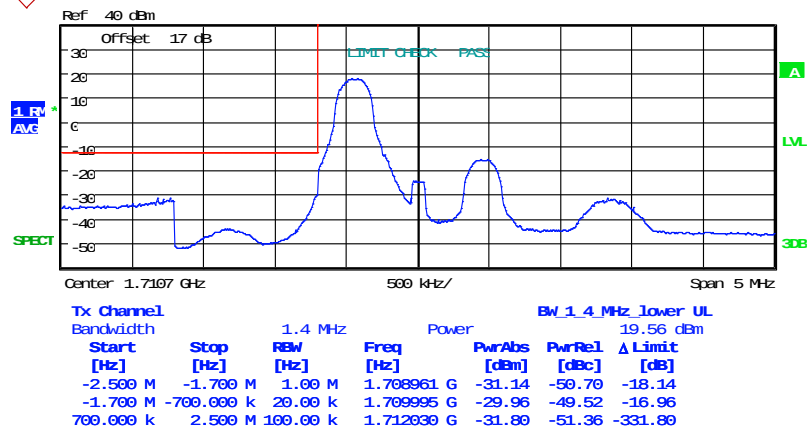
Registration number: W6M22507-24605-C-247

FCC ID: GX9MOBLIR32ADC



Date: 29.JUL.2025 18:05:51

16QAM
1RB



Date: 29.JUL.2025 18:07:15