

**47 CFR Part 22, Part 24, Part 27 and Part 90**

**TEST REPORT**

**for**

**Smart Home Alarm System**

**Model No.: HSGW<sub>x</sub>-xxxxx-xxxxx Series**

**(x=0~9, A~Z or blank)**

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.: W6M22407-23644-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: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

### 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 : Smart Home Alarm System  
Model number : HSGWx-xxxxx-xxxxx Series(x=0~9, A~Z or blank)  
Brand name : ./.  
Operation frequency : Please see chapter 2.3.  
RF output power : Part 2/22/24/27  
Band 2: 25.07dBm (EIRP)  
Band 4 25.17dBm (EIRP)  
Band 5: 21.75dBm (ERP)  
Band 12: 22.04dBm (ERP)  
Band 13: 22.37dBm (ERP)  
Band 26: 20.81dBm (EIRP)  
Band 66: 23.62dBm (EIRP)  
Part 90  
Band 26: 21.30dBm (ERP)

Power supply : Adapter (I/P: 100-240V~50/60Hz 0.30A  
O/P: 12.0V=1.0A 12W)  
Battery 7.2V, 1100mAh

Regulation applied : 47CFR Part 22 (2023-10), Part 24 (2023-10),  
Part 27 (2023-10), Part 90 (2023-10)

Test method : 47CFR Part 2 (2023), 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 (2023), 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: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB

Test engineer:

November 05, 2024

Sora Kuo

*Sora*

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

November 05, 2024

Kevin Wang

*Kevin Wang*

Date

WTS

Name

Signature



Registration number: W6M22407-23644-C-247

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## **1 Summary**

### **1.1 Description of tested equipment**

This equipment under tested, HSGW<sub>x</sub>-xxxxx-xxxxx Series(x=0~9, A~Z or blank), is a Smart Home Alarm System.

This test report only contains test requirements specified in 47CFR Part 22, Part 24, Part 27 and Part 90 for Cat M1 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 31, 2024

Date of test: from August 01, 2024 to October 24, 2024

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 (2023-10), Part 24 (2023-10), Part 27 (2023-10), Part 90 (2023-10)**

Test method: **47 CFR Part 2 (2021), 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, Band 66)	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 : 1.88 dB 30-1000 MHz : 3.20 dB 1-18 GHz : 3.56 dB 18-40 GHz : 2.94 dB
Estimation Result of Uncertainty of Conducted Output Power Measurement	Expanded Uncertainty : 1.64 dB
Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Frequency Drift Measurement	Expanded Uncertainty : 6.11 Hz
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.67 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: W6M22407-23644-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 <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
Low Range	1.4	18607	1850.7	807	1930.7
	3	18615	1851.5	815	1931.5
	5	18625	1852.5	825	1932.5
	10	18650	1855	850	1935
	15 [1]	18675	1857.5	875	1937.5
	20 [1]	18700	1860	900	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 <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	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 <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	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 <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	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 <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	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.					



Registration number: W6M22407-23644-C-247

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**Band 26**

Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
Low Range	1.4	26697	814.7	8697	859.7
	3	26705	815.5	8705	860.5
	5	26715	816.5	8715	861.5
	10 <sup>[1]</sup>	26740	819	8740	864
Mid Range	15 <sup>[1]</sup>	26765	821.5	8765	866.5
	1.4/3/5/10 <sup>[1]</sup> 15 <sup>[1]</sup>	26865	831.5	8865	876.5
High Range	1.4	27033	848.3	9033	893.3
	3	27025	847.5	9025	892.5
	5	27015	846.5	9015	891.5
	10 <sup>[1]</sup>	26990	844	8990	889
	15 <sup>[1]</sup>	26965	841.5	8965	886.5

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

**Band 66**

Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
Low Range	1.4	131979	1710.7	66443	2110.7
	3	131987	1711.5	66451	2111.5
	5	131997	1712.5	66461	2112.5
	10	132022	1715	66486	2115
	15	132047	1717.5	66511	2117.5
	20	132072	1720	66536	2120
Mid Range Tx <sup>1</sup>	1.4/3/5/10/15/20	132322	1745	66786	2145
Mid Range	1.4/3/5/10/15/20	132422	1755	66886	2155
Paired High Range <sup>2</sup>	1.4	132665	1779.3	67129	2179.3
	3	132657	1778.5	67121	2178.5
	5	132647	1777.5	67111	2177.5
	10	132622	1775	67086	2175
	15	132597	1772.5	67061	2172.5
	20	132572	1770	67036	2170
High Range <sup>3</sup>	1.4	NA	NA	67329	2199.3
	3	NA	NA	67321	2198.5
	5	NA	NA	67311	2197.5
	10	NA	NA	67286	2195
	15	NA	NA	67261	2192.5
	20	NA	NA	67236	2190

Note 1: Applicable for transmitter testing.  
 Note 2: Applicable if UL is configured on the CC.  
 Note 3: Applicable if no UL is configured on the CC.



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Antenna type:	Monopole antenna
Antenna gain:	Part 2/22/24/27 Band 2: 3.31 dBi 、 Band 4: 3.52 dBi 、 Band 5: 1.39 dBi 、 Band 12: 1.22 dBi 、 Band 13: 2.09 dBi 、 Band 26: 1.39 dBi 、 Band 66: 1.73 dBi Part 90: Band 26: 1.46 dBi
Power supply:	Adapter (I/P: 100-240V~50/60Hz 0.30A O/P: 12.0V=1.0A 12W) Battery 7.2V, 1100mAh
Sample no.:	#01

#### **2.4 Test environment**

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

#### **Special statement:**

1. This test report is valid in connection to the model has been tested, any modification to the product which is different from the test model will avoid the certification of the test report.
2. This test report shall always be duplicated in full pages unless the written approval of the testing.
3. The x in model number is representing different case shape, case colors, led mask color, and control ID.
4. The model number of EUT is HSGW-MAX8-DT32. This model does not contain logo.



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## **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	2024/2/16	2025/2/15
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2024/4/23	2025/4/22
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	2024/7/23	2025/7/22
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2024/2/16	2025/2/15
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2024/4/23	2025/4/22
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2024/2/16	2025/2/15

**Peak to Average Ratio, 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	2024/2/16	2025/2/15
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2024/3/7	2025/3/6
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2024/8/26	2025/8/25
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2024/4/23	2025/4/22
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2024/2/16	2025/2/15



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**Spurious Emission (966A)**

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2024/9/11	2025/9/10
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2024/4/10	2025/4/9
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2024/7/12	2025/7/11
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168&EMCI-N-6-06	01380&AT-06007	SCHWARZBECK &EMC	2024/3/4	2025/3/3
ETSTW-RE 178	Double Ridged Guide Horn Antenna	DRH18-E	210505A18ES	RFSPIN	2024/2/29	2025/2/28
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2024/7/12	2025/7/11
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2024/7/12	2025/7/11
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2024/7/12	2025/7/11
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2024/4/23	2025/4/22

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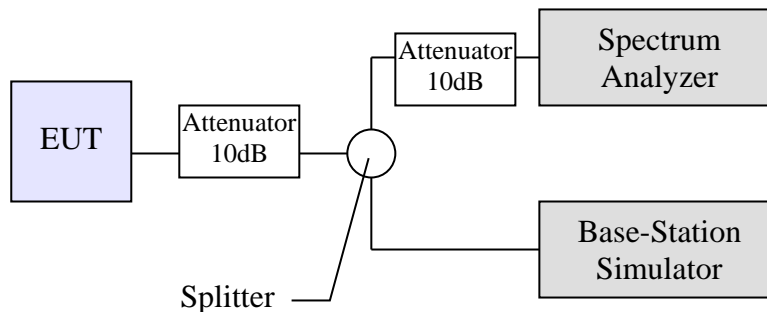
### 3. RF Power Output

#### 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: October 23, 2024

Temperature: 24.0 °C

Humidity: 58.7 %

Tester: Sora

Part 2/22/24/27

Band 2

LTE Band2	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
				QPSK	QPSK
1.4MHz	18607/1850.7	0	1#0	21.18	24.49
		0	6#0	19.07	22.38
	18900/1880	0	1#0	21.41	24.72
		0	6#0	19.38	22.69
	19193/1909.3	0	1#5	21.58	24.89
		0	6#0	19.37	22.68
3MHz	18615/1851.5	0	1#0	21.31	24.62
		0	6#0	19.31	22.62
	18900/1880	0	1#0	21.48	24.79
		0	6#0	19.39	22.7
	19185/1908.5	1	1#5	21.28	24.59
		1	6#0	19.48	22.79
5MHz	18625/1852.5	0	1#0	21.38	24.69
		0	6#0	20.2	23.51
	18900/1880	0	1#0	21.22	24.53
		0	6#0	20.43	23.74
	19175/1907.5	0	1#5	21.66	24.97
		3	6#0	20.42	23.73
10MHz	18650/1855	3	1#0	21.02	24.33
		0	4#0	21.05	24.36
	18900/1880	0	1#0	21.34	24.65
		0	4#0	21.37	24.68
	19150/1905	4	1#5	21.49	24.8
		7	4#2	21.23	24.54
15MHz	18675/1857.5	3	1#0	21.21	24.52
		0	6#0	21.18	24.49
	18900/1880	0	1#0	21.45	24.76
		0	6#0	21.36	24.67
	19125/1902.5	8	1#5	21.49	24.8



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		11	6#0	21.31	24.62
20MHz	18700/1860	3	1#0	21.05	24.36
		0	6#0	21.23	24.54
	18900/1880	0	1#0	21.38	24.69
		0	6#0	21.34	24.65
	19100/1900	12	1#5	21.3	24.61
		15	6#0	21.34	24.65

LTE Band2	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	
				16QAM	16QAM
1.4MHz	18607/1850.7	0	1#0	20.36	23.67
		0	5#1	19.15	22.46
	18900/1880	0	1#0	20.32	23.63
		0	5#1	19.25	22.56
	19193/1909.3	0	1#5	20.35	23.66
		0	5#1	19.48	22.79
3MHz	18615/1851.5	0	1#0	20.33	23.64
		0	5#1	19.22	22.53
	18900/1880	0	1#0	20.55	23.86
		0	5#1	19.31	22.62
	19185/1908.5	1	1#5	20.43	23.74
		1	5#1	19.32	22.63
5MHz	18625/1852.5	0	1#0	21.27	24.58
		0	5#1	20.48	23.79
	18900/1880	0	1#0	21.35	24.66
		0	5#1	20.63	23.94
	19175/1907.5	0	1#5	21.46	24.77
		3	5#1	20.18	23.49
10MHz	18650/1855	3	1#0	21.2	24.51
		0	4#0	20.97	24.28
	18900/1880	0	1#0	21.44	24.75
		0	4#0	21.17	24.48
	19150/1905	4	1#5	21.15	24.46
		7	4#2	21.02	24.33
15MHz	18675/1857.5	3	1#0	21.54	24.85
		0	5#1	21.02	24.33
	18900/1880	0	1#0	21.76	25.07
		0	5#1	21.19	24.5



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	19125/1902.5	8	1#5	21.39	24.7
		11	5#1	21.25	24.56
20MHz	18700/1860	3	1#0	21.36	24.67
		0	5#1	20.97	24.28
	18900/1880	0	1#0	21.57	24.88
		0	5#1	21.03	24.34
	19100/1900	12	1#5	21.66	24.97
		15	5#1	21.22	24.53

**Band 4**

LTE Band4	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
				QPSK	QPSK
1.4MHz	19957/1710.7	0	1#0	21.23	24.75
		0	6#0	19.25	22.77
	20175/1732.5	0	1#0	21.19	24.71
		0	6#0	19.21	22.73
	20393/1754.3	0	1#5	20.91	24.43
		0	6#0	19.06	22.58
3MHz	19965/1711.5	0	1#0	21.15	24.67
		0	6#0	19.12	22.64
	20175/1732.5	0	1#0	21.37	24.89
		0	6#0	19.13	22.65
	20385/1753.5	1	1#5	21.06	24.58
		1	6#0	19.06	22.58
5MHz	19975/1712.5	0	1#0	21.46	24.98
		0	6#0	20.28	23.8
	20175/1732.5	0	1#0	21.11	24.63
		0	6#0	19.78	23.3
	20375/1752.5	3	1#5	20.87	24.39
		3	6#0	19.83	23.35
10MHz	20000/1715	0	1#0	21.2	24.72
		0	4#0	21.12	24.64
	20175/1732.5	0	1#0	21.16	24.68
		0	4#0	21.11	24.63
	20350/1750	7	1#5	20.74	24.26
		7	4#2	20.91	24.43
15MHz	20025/1717.5	0	1#0	21.12	24.64
		0	6#0	21.07	24.59



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	20175/1732.5	0	1#0	21.11	24.63
		0	6#0	21.03	24.55
	20325/1747.5	11	1#5	20.95	24.47
		11	6#0	20.98	24.5
20MHz	20050/1720	0	1#0	21.19	24.71
		0	6#0	21.11	24.63
	20175/1732.5	0	1#0	21.12	24.64
		0	6#0	21.02	24.54
	20300/1745	15	1#5	20.76	24.28
		15	6#0	20.97	24.49

LTE Band4	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
				16QAM	16QAM
1.4MHz	19957/1710.7	0	1#0	20.25	23.77
		0	5#1	19.21	22.73
	20175/1732.5	0	1#0	20.11	23.63
		0	5#1	19.22	22.74
	20393/1754.3	0	1#5	20.01	23.53
		0	5#1	19.05	22.57
3MHz	19965/1711.5	0	1#0	20.19	23.71
		0	5#1	19.13	22.65
	20175/1732.5	0	1#0	20.19	23.71
		0	5#1	19.16	22.68
	20385/1753.5	1	1#5	20.04	23.56
		1	5#1	19.03	22.55
5MHz	19975/1712.5	0	1#0	21.65	25.17
		0	5#1	20.22	23.74
	20175/1732.5	0	1#0	21.04	24.56
		0	5#1	19.63	23.15
	20375/1752.5	3	1#5	20.69	24.21
		3	5#1	19.58	23.1
10MHz	20000/1715	0	1#0	21.49	25.01
		0	4#0	21.21	24.73
	20175/1732.5	0	1#0	21.13	24.65
		0	4#0	20.76	24.28
	20350/1750	7	1#5	20.65	24.17
		7	4#2	21.09	24.61
15MHz	20025/1717.5	0	1#0	21.41	24.93



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	20175/1732.5	0	5#1	21.21	24.73
		0	1#0	21.03	24.55
		0	5#1	20.77	24.29
	20325/1747.5	11	1#5	20.78	24.3
		11	5#1	21.19	24.71
	20MHz	20050/1720	0	1#0	21.16
0			5#1	20.93	24.45
20175/1732.5		0	1#0	21.24	24.76
		0	5#1	20.88	24.4
20300/1745		15	1#5	20.69	24.21
		15	5#1	20.75	24.27

**Band 5**

LTE Band4	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	ERP (dBm)
				QPSK	QPSK
1.4MHz	20407/824.7	0	1#0	22.37	21.61
		0	6#0	20.11	19.35
	20525/836.5	0	1#0	21.93	21.17
		0	6#0	19.88	19.12
	20643/848.3	0	1#5	21.82	21.06
		0	6#0	19.91	19.15
3MHz	20415/825.5	0	1#0	22.16	21.4
		0	6#0	20.06	19.3
	20525/836.5	0	1#0	21.87	21.11
		0	6#0	19.84	19.08
	20635/847.5	1	1#5	21.91	21.15
		1	6#0	19.99	19.23
5MHz	20425/826.5	0	1#0	22.26	21.5
		0	6#0	21.04	20.28
	20525/836.5	0	1#0	22.14	21.38
		0	6#0	20.91	20.15
	20625/846.5	3	1#5	21.74	20.98
		3	6#0	21.03	20.27
10MHz	20450/829	0	1#0	22.26	21.5
		0	4#0	21.97	21.21
	20525/836.5	0	1#0	22.13	21.37
		0	4#0	21.95	21.19
	20600/844	7	1#5	21.91	21.15
		7	4#2	22.01	21.25



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LTE Band4	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
				16QAM	16QAM
1.4MHz	20407/824.7	0	1#0	21.02	20.26
		0	5#1	19.99	19.23
	20525/836.5	0	1#0	21.17	20.41
		0	5#1	19.94	19.18
	20643/848.3	0	1#5	20.88	20.12
		0	5#1	20.14	19.38
3MHz	20415/825.5	0	1#0	21.12	20.36
		0	5#1	20.11	19.35
	20525/836.5	0	1#0	20.87	20.11
		0	5#1	19.8	19.04
	20635/847.5	1	1#5	20.86	20.1
		1	5#1	20.18	19.42
5MHz	20425/826.5	0	1#0	22.34	21.58
		0	5#1	21.32	20.56
	20525/836.5	0	1#0	22.51	21.75
		0	5#1	20.82	20.06
	20625/846.5	3	1#5	22.09	21.33
		3	5#1	21.03	20.27
10MHz	20450/829	0	1#0	22.23	21.47
		0	4#0	21.96	21.2
	20525/836.5	0	1#0	22.29	21.53
		0	4#0	21.98	21.22
	20600/844	7	1#5	22.14	21.38
		7	4#2	22.14	21.38



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Band 12

LTE Band12	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	ERP (dBm)
				QPSK	QPSK
1.4MHz	23017/699.7	0	1#0	22.49	21.56
		0	6#0	20.46	19.53
	23095/707.5	0	1#0	22.34	21.41
		0	6#0	20.43	19.5
	23173/715.3	0	1#5	22.49	21.56
		0	6#0	21.01	20.08
3MHz	23025/700.5	0	1#0	22.51	21.58
		0	6#0	20.39	19.46
	23095/707.5	0	1#0	22.58	21.65
		0	6#0	20.36	19.43
	23165/714.5	1	1#5	22.87	21.94
		1	6#0	21.02	20.09
5MHz	23035/701.5	3	1#0	22.67	21.74
		0	6#0	21.45	20.52
	23095/707.5	0	1#0	22.64	21.71
		0	6#0	21.32	20.39
	23155/713.5	0	1#5	22.81	21.88
		3	6#0	21.87	20.94
10MHz	23060/704	3	1#0	22.68	21.75
		0	4#0	22.39	21.46
	23095/707.5	0	1#0	22.66	21.73
		0	4#0	22.52	21.59
	23130/711	4	1#5	22.25	21.32
		7	4#2	22.97	22.04



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LTE Band12	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	
				16QAM	16QAM
1.4MHz	23017/699.7	0	1#0	21.49	20.56
		0	5#1	20.56	19.63
	23095/707.5	0	1#0	21.55	20.62
		0	5#1	20.55	19.62
	23173/715.3	0	1#5	21.83	20.9
		0	5#1	21	20.07
3MHz	23025/700.5	0	1#0	21.46	20.53
		0	5#1	20.5	19.57
	23095/707.5	0	1#0	21.55	20.62
		0	5#1	20.67	19.74
	23165/714.5	1	1#5	21.57	20.64
		1	5#1	21.04	20.11
5MHz	23035/701.5	3	1#0	22.8	21.87
		0	5#1	21.41	20.48
	23095/707.5	0	1#0	22.78	21.85
		0	5#1	21.48	20.55
	23155/713.5	0	1#5	22.75	21.82
		3	5#1	21.74	20.81
10MHz	23060/704	3	1#0	22.76	21.83
		0	4#0	22.69	21.76
	23095/707.5	0	1#0	22.7	21.77
		0	4#0	22.34	21.41
	23130/711	4	1#5	22.48	21.55
		7	4#2	22.94	22.01





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Band 13

LTE Band13	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	ERP (dBm)
				QPSK	QPSK
5MHz	23205/779.5	0	1#0	22.11	22.05
		0	6#0	21.09	21.03
	23230/782	0	1#0	21.84	21.78
		0	6#0	20.68	20.62
	23255/784.5	3	1#5	21.43	21.37
		3	6#0	20.44	20.38
10MHz	23230/782	0	1#0	22.41	22.35
		0	4#0	21.93	21.87

LTE Band13	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	ERP (dBm)
				16QAM	16QAM
5MHz	23205/779.5	0	1#0	22.43	22.37
		0	5#1	21.09	21.03
	23230/782	0	1#0	22.29	22.23
		0	5#1	20.89	20.83
	23255/784.5	3	1#5	22.04	21.98
		3	5#1	20.74	20.68
10MHz	23230/782	0	1#0	22.11	22.05
		0	4#0	22.09	22.03



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Band 26

LTE Band26	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
				QPSK	QPSK
1.4MHz	26797/824.7	0	1#0	21.57	20.81
		0	6#0	19.27	18.51
	26915/836.5	0	1#0	21.36	20.6
		0	6#0	19.03	18.27
	27033/848.3	0	1#5	21.03	20.27
		0	6#0	19.22	18.46
3MHz	26805/825.5	0	1#0	21.32	20.56
		0	6#0	19.31	18.55
	26915/836.5	0	1#0	21.33	20.57
		0	6#0	19.12	18.36
	27025/847.5	1	1#5	21.18	20.42
		1	6#0	19.39	18.63
5MHz	26815/826.5	3	1#0	21.18	20.42
		0	6#0	20.18	19.42
	26915/836.5	0	1#0	21.13	20.37
		0	6#0	20.37	19.61
	27015/846.5	0	1#5	21.09	20.33
		3	6#0	20.21	19.45
10MHz	26840/829	3	1#0	21.27	20.51
		0	4#0	21.27	20.51
	26915/836.5	0	1#0	21.19	20.43
		0	4#0	21.32	20.56
	26990/844	4	1#5	21.11	20.35
		7	4#2	20.97	20.21
15MHz	26865/831.5	3	1#0	21.32	20.56
		0	6#0	21.03	20.27
	26915/836.5	0	1#0	21.39	20.63
		0	6#0	21.26	20.5
	26965/841.5	8	1#5	21.08	20.32
		11	6#0	21.23	20.47



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LTE Band26	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	ERP (dBm)
				16QAM	16QAM
1.4MHz	26797/824.7	0	1#0	20.66	19.9
		0	5#1	19.16	18.4
	26915/836.5	0	1#0	20.26	19.5
		0	5#1	19.11	18.35
	27033/848.3	0	1#5	20.07	19.31
		0	5#1	19.31	18.55
3MHz	26805/825.5	0	1#0	20.37	19.61
		0	5#1	19.22	18.46
	26915/836.5	0	1#0	20.26	19.5
		0	5#1	19.09	18.33
	27025/847.5	1	1#5	20.17	19.41
		1	5#1	19.29	18.53
5MHz	26815/826.5	3	1#0	21.28	20.52
		0	5#1	20.33	19.57
	26915/836.5	0	1#0	21.19	20.43
		0	5#1	20.11	19.35
	27015/846.5	0	1#5	21.31	20.55
		3	5#1	20.24	19.48
10MHz	26840/829	3	1#0	21.35	20.59
		0	4#0	21.05	20.29
	26915/836.5	0	1#0	21.27	20.51
		0	4#0	21.13	20.37
	26990/844	4	1#5	21.15	20.39
		7	4#2	21.02	20.26
15MHz	26865/831.5	3	1#0	21.48	20.72
		0	5#1	21.32	20.56
	26915/836.5	0	1#0	21.42	20.66
		0	5#1	21.11	20.35
	26965/841.5	8	1#5	21.25	20.49
		11	5#1	21.13	20.37



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Band 66

LTE Band66	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
				QPSK	QPSK
1.4MHz	131979/1710.7	0	1#0	21.64	23.37
		0	6#0	19.52	21.25
	132322/1745	0	1#0	21.11	22.84
		0	6#0	19.16	20.89
	132665/1779.3	0	1#5	21.63	23.36
		0	6#0	19.68	21.41
3MHz	131987/1711.5	0	1#0	21.66	23.39
		0	6#0	19.55	21.28
	132322/1745	0	1#0	21.42	23.15
		0	6#0	19.16	20.89
	132657/1778.5	1	1#5	21.57	23.3
		1	6#0	19.71	21.44
5MHz	131997/1712.5	0	1#0	21.79	23.52
		0	6#0	20.63	22.36
	132322/1745	0	1#0	21.17	22.9
		0	6#0	20.11	21.84
	132647/1777.5	0	1#5	21.62	23.35
		3	6#0	20.64	22.37
10MHz	132022/1715	3	1#0	21.49	23.22
		0	4#0	21.63	23.36
	132322/1745	0	1#0	21.21	22.94
		0	4#0	21.09	22.82
	132622/1775	4	1#5	21.54	23.27
		7	4#2	21.53	23.26
15MHz	132047/1717.5	3	1#0	21.39	23.12
		0	6#0	21.66	23.39
	132322/1745	0	1#0	21.13	22.86
		0	6#0	20.96	22.69
	132597/1772.5	8	1#5	21.36	23.09
		11	6#0	21.54	23.27
20MHz	132072/1720	3	1#0	21.55	23.28
		0	6#0	21.62	23.35
	132322/1745	0	1#0	21.17	22.9
		0	6#0	21.05	22.78
	132572/1770	12	1#5	21.19	22.92
		15	6#0	21.55	23.28



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

Index	RB# Rbstart	Conducted Power (dBm)	EIRP (dBm)
		16QAM	16QAM
0	1#0	20.71	22.44
0	5#1	19.55	21.28
0	1#0	20.24	21.97
0	5#1	19.15	20.88
0	1#5	20.41	22.14
0	5#1	19.52	21.25
0	1#0	20.71	22.44
0	5#1	19.52	21.25
0	1#0	20.34	22.07
0	5#1	19.47	21.2
1	1#5	20.63	22.36
1	5#1	19.66	21.39
0	1#0	21.78	23.51
0	5#1	20.62	22.35
0	1#0	21.07	22.8
0	5#1	20.02	21.75
0	1#5	21.89	23.62
3	5#1	20.77	22.5
3	1#0	21.41	23.14
0	4#0	21.16	22.89
0	1#0	21.33	23.06
0	4#0	21.16	22.89
4	1#5	21.65	23.38
7	4#2	21.59	23.32
3	1#0	21.56	23.29
0	5#1	21.71	23.44
0	1#0	21.01	22.74
0	5#1	20.84	22.57
8	1#5	21.61	23.34
11	5#1	21.55	23.28
3	1#0	21.47	23.2
0	5#1	21.39	23.12
0	1#0	21.45	23.18
0	5#1	21.11	22.84
12	1#5	21.05	22.78
15	5#1	21.35	23.08



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

Part 90

Band 26

LTE Band26	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	ERP (dBm)
				QPSK	QPSK
1.4MHz	26697/814.7	0	1#0	21.38	20.69
		0	6#0	19.35	18.66
	26740/819	0	1#0	21.66	20.97
		0	6#0	19.35	18.66
	26783/823.3	0	1#5	21.12	20.43
		0	6#0	19.48	18.79
3MHz	26705/815.5	0	1#0	21.31	20.62
		0	6#0	19.39	18.7
	26740/819	0	1#0	21.39	20.7
		0	6#0	19.41	18.72
	26775/822.5	1	1#5	21.18	20.49
		1	6#0	19.26	18.57
5MHz	26715/816.5	3	1#0	21.47	20.78
		0	6#0	20.51	19.82
	26740/819	0	1#0	21.39	20.7
		0	6#0	20.51	19.82
	26765/821.5	0	1#5	21.37	20.68
		3	6#0	20.58	19.89
10MHz	26740/819	0	1#0	21.65	20.96
		0	4#0	21.48	20.79



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

LTE Band26	Channel/ Frequency(MHz)	Index	RB# Rbstart	Conducted Power (dBm)	
				16QAM	16QAM
1.4MHz	26697/814.7	0	1#0	20.28	19.59
		0	5#1	19.16	18.47
	26740/819	0	1#0	20.63	19.94
		0	5#1	19.33	20.79
	26783/823.3	0	1#5	20.01	19.32
		0	5#1	19.19	18.5
3MHz	26705/815.5	0	1#0	20.49	19.8
		0	5#1	19.47	18.78
	26740/819	0	1#0	20.46	19.77
		0	5#1	19.21	18.52
	26775/822.5	1	1#5	20.07	19.38
		1	5#1	19.27	18.58
5MHz	26715/816.5	3	1#0	21.39	20.7
		0	5#1	20.7	20.01
	26740/819	0	1#0	21.99	21.3
		0	5#1	20.48	19.79
	26765/821.5	0	1#5	21.48	20.79
		3	5#1	20.48	19.79
10MHz	26740/819	0	1#0	21.67	20.98
		0	4#0	21.23	20.54

Note:

EIRP = Conducted power + antenna gain

ERP = EIRP -2.15



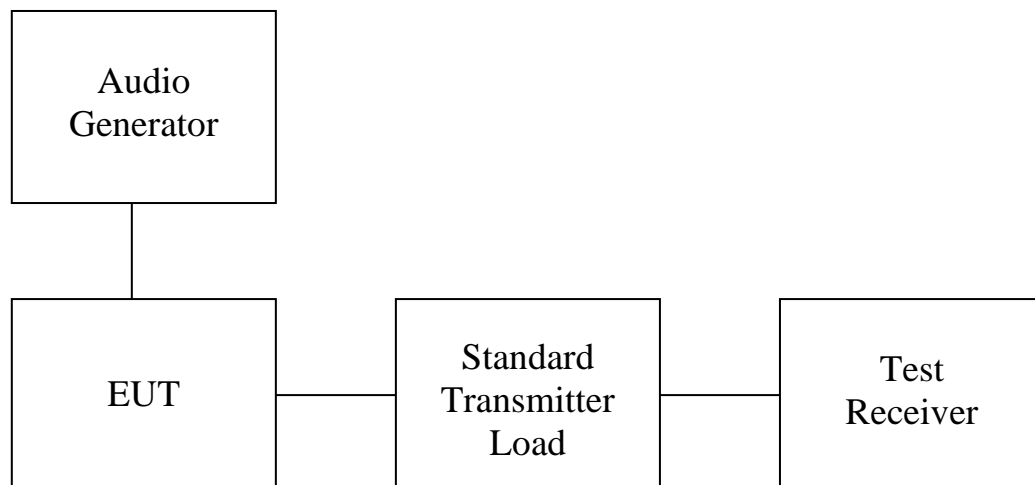
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

#### **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: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

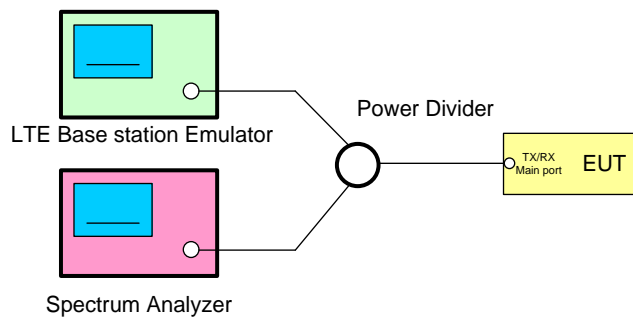
**5 Peak-to-Average Ratio**

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: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

### 5.3 Test Results

Test date: August 16, 2024-October 22, 2024

Temperature: 24.8 °C

Humidity: 55.3 %

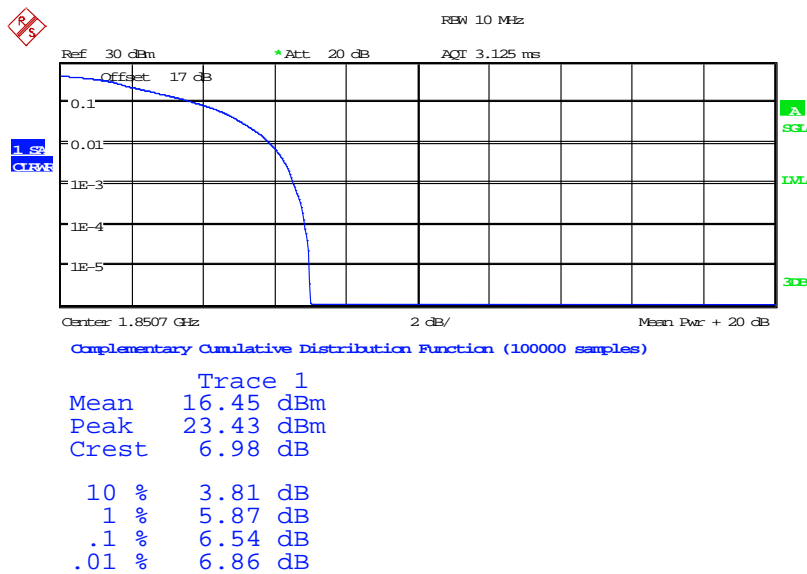
Tester: Sora

Part 2/22/24/27

Band 2

1.4 MHz

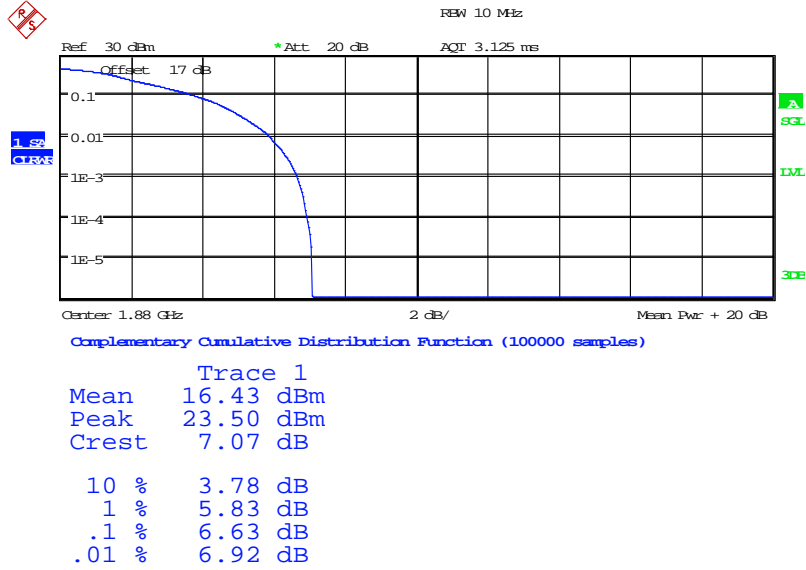
QPSK



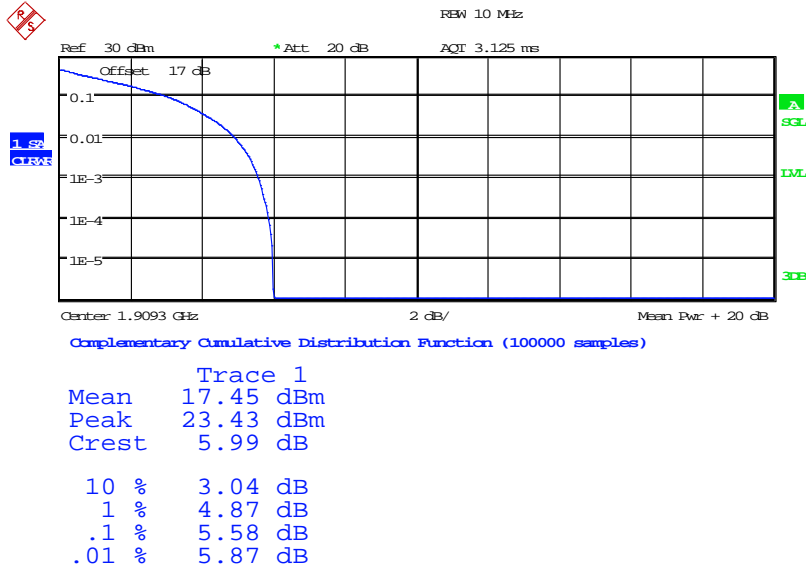
Date: 16.AUG.2024 17:24:03



Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 17:22:28



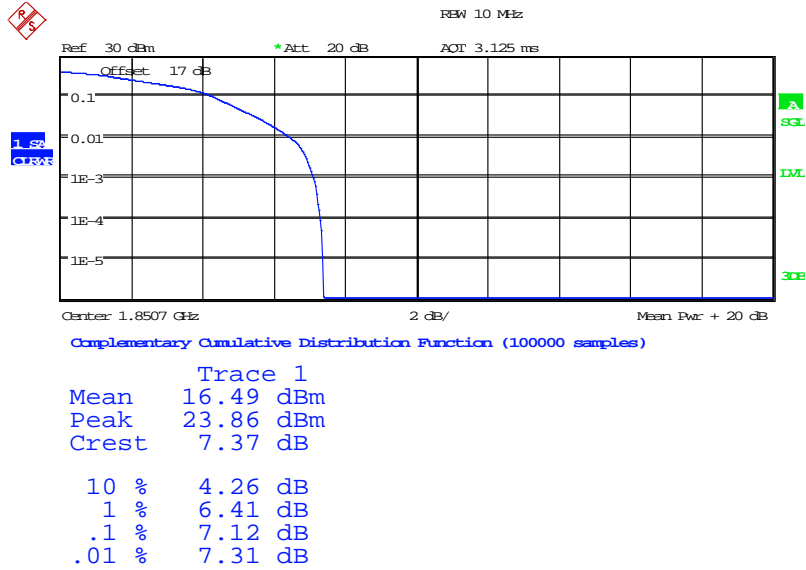
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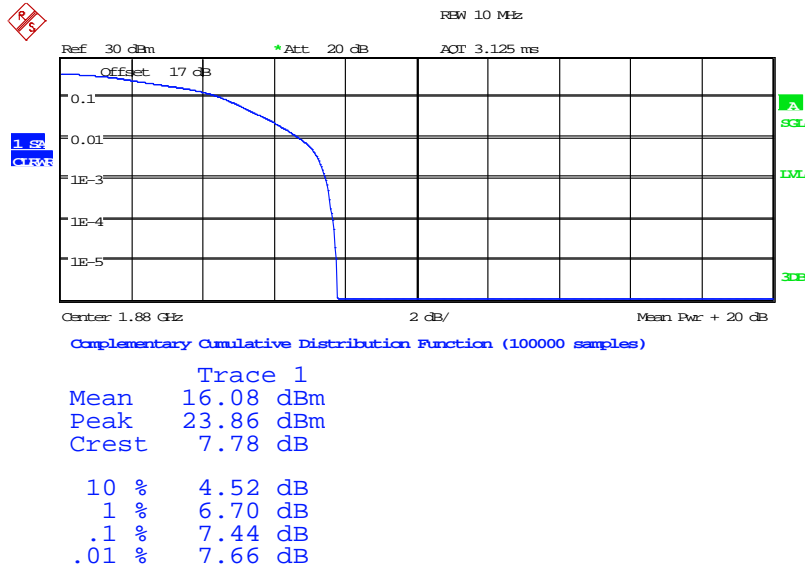
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM



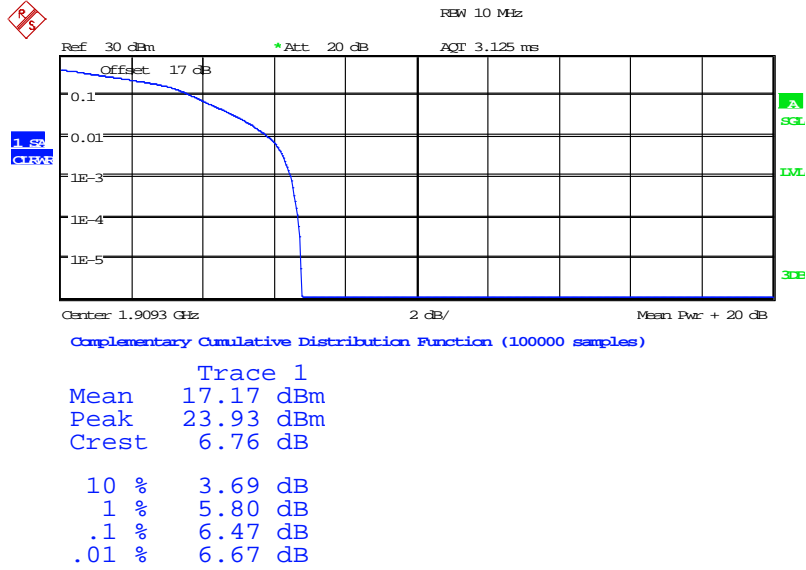
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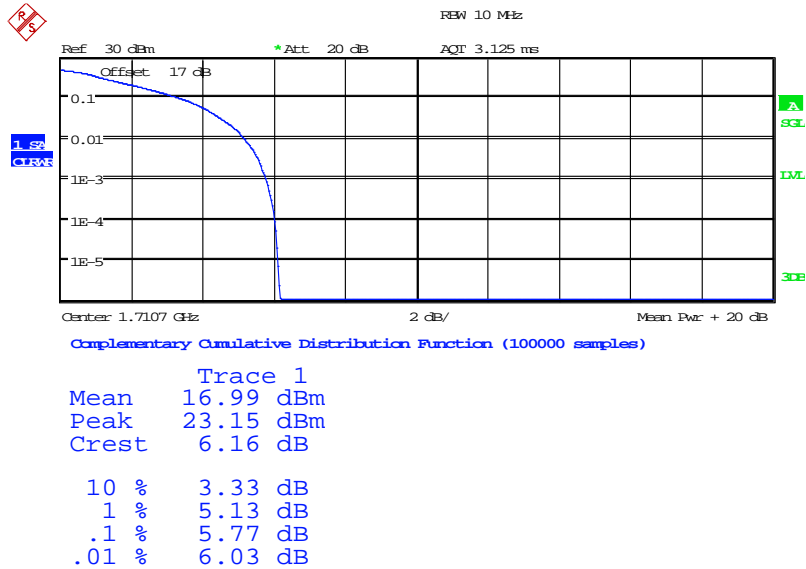


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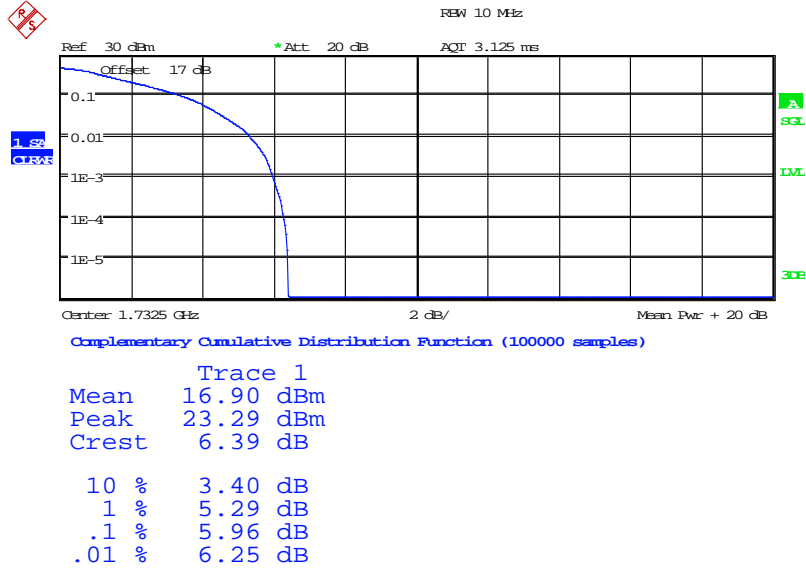
Band 4  
 1.4 MHz  
 QPSK



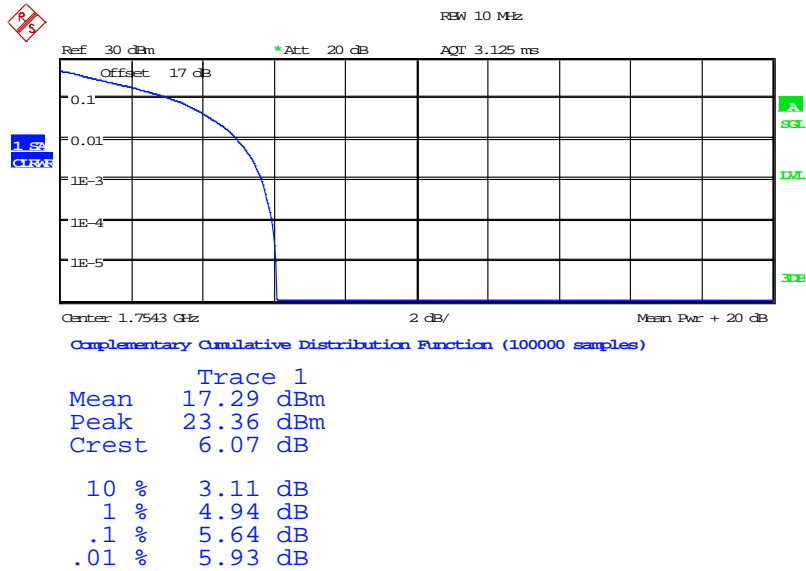
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Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 17:26:33



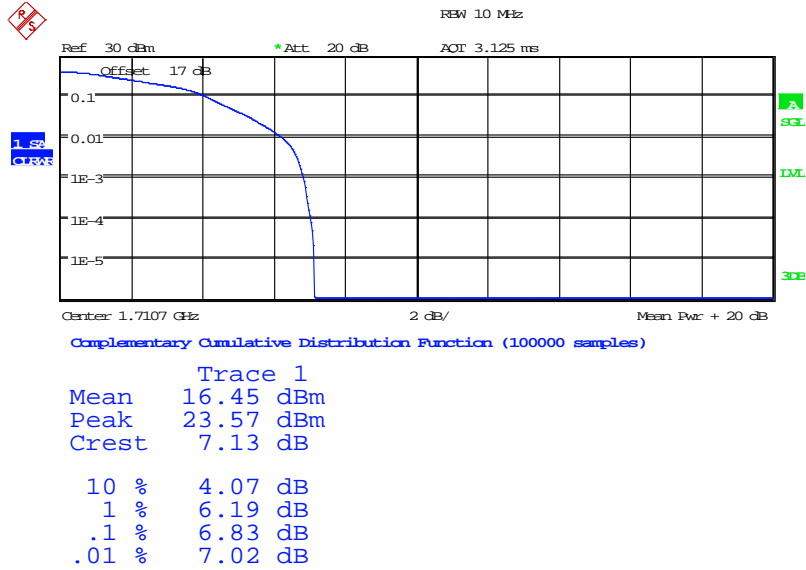
Date: 16.AUG.2024 17:29:46



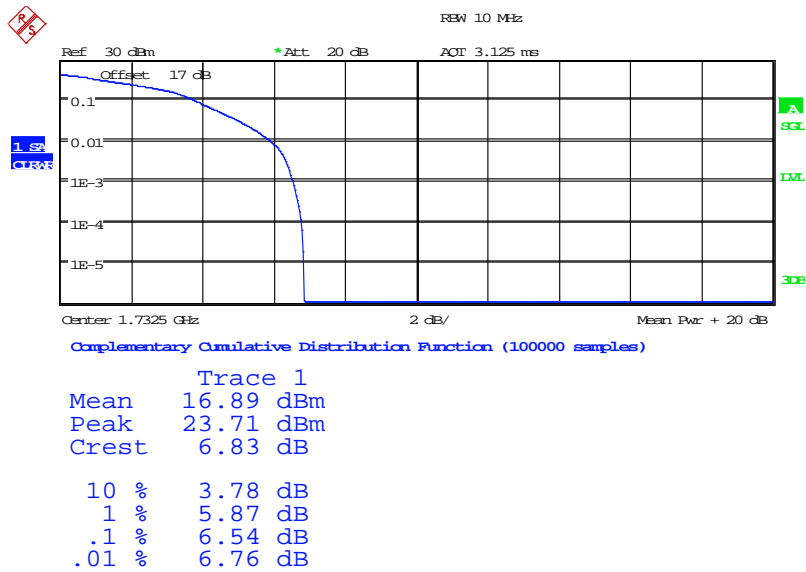
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16QAM



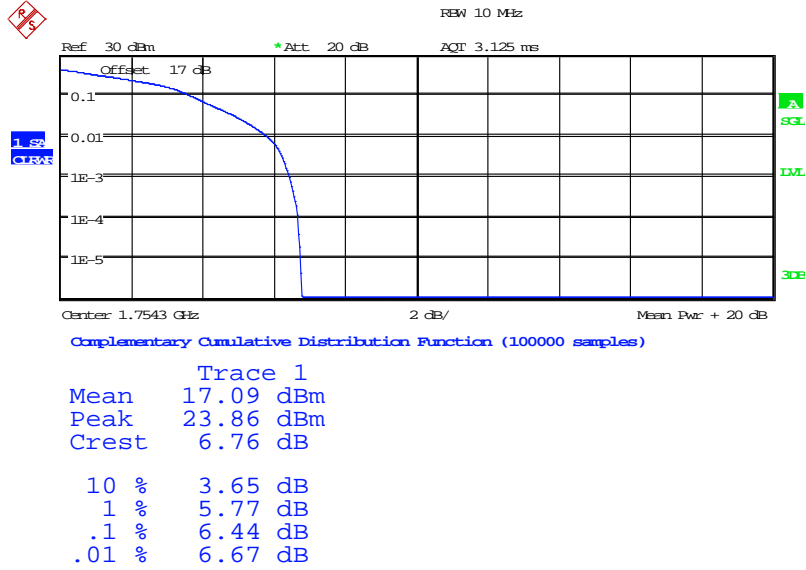
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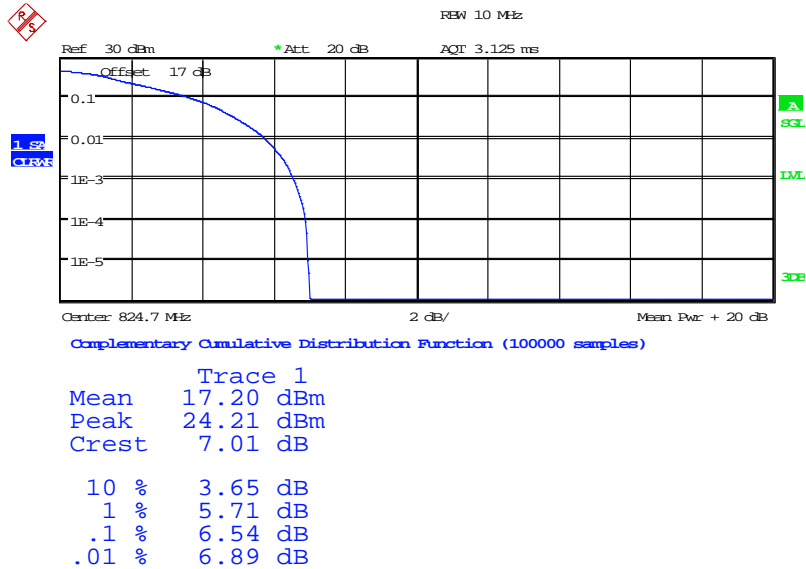


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 17:29:00

Band 5  
 1.4 MHz  
 QPSK

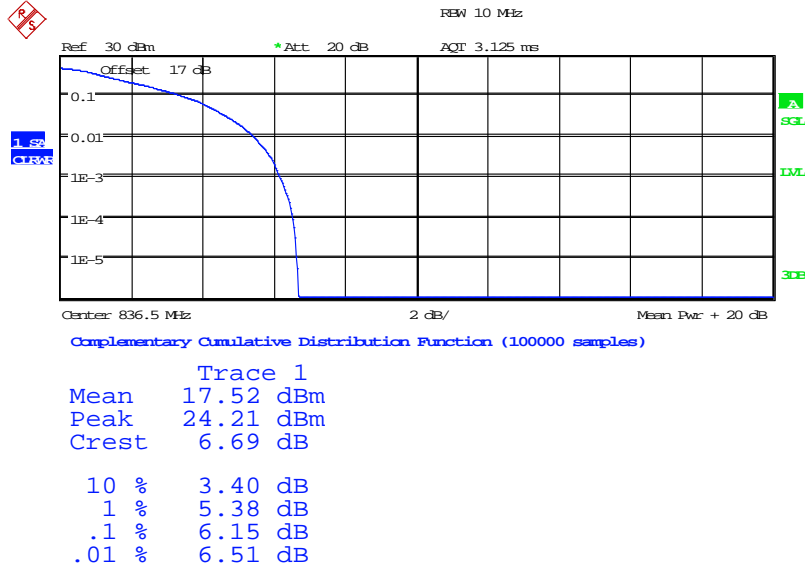


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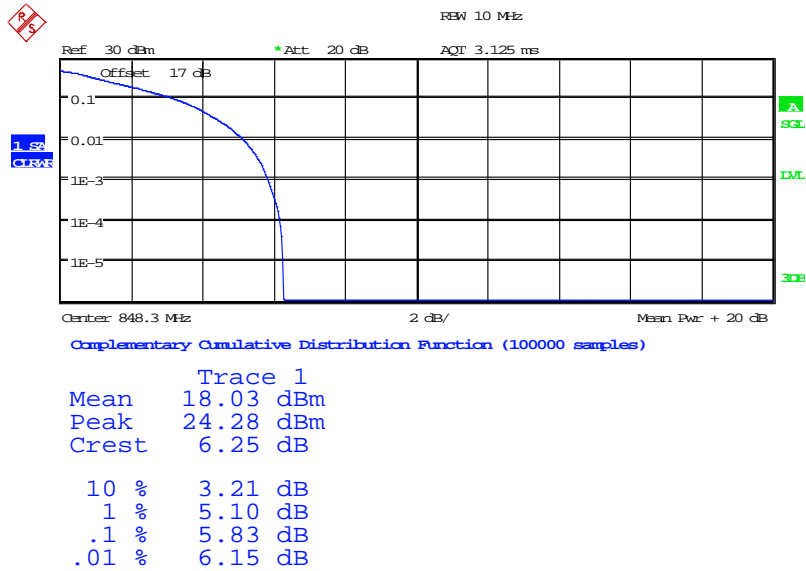




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Date: 16.AUG.2024 17:30:26



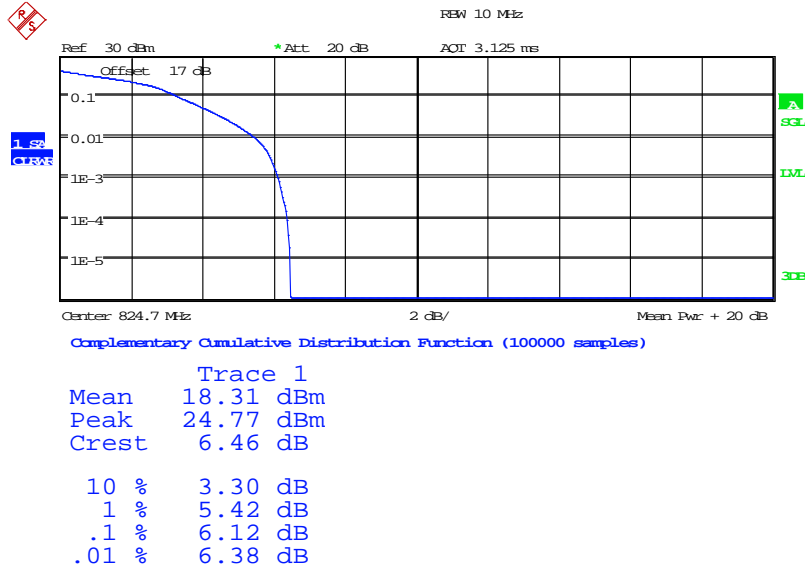
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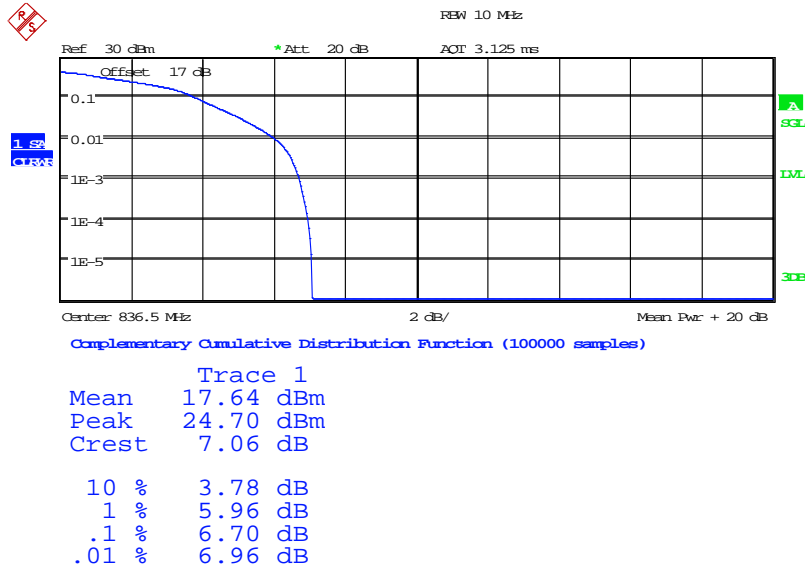
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM



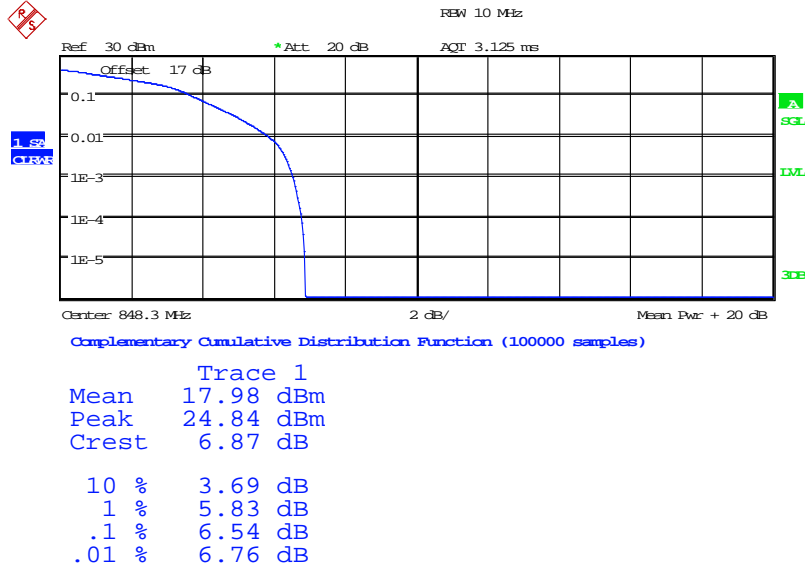
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Date: 16.AUG.2024 17:31:02

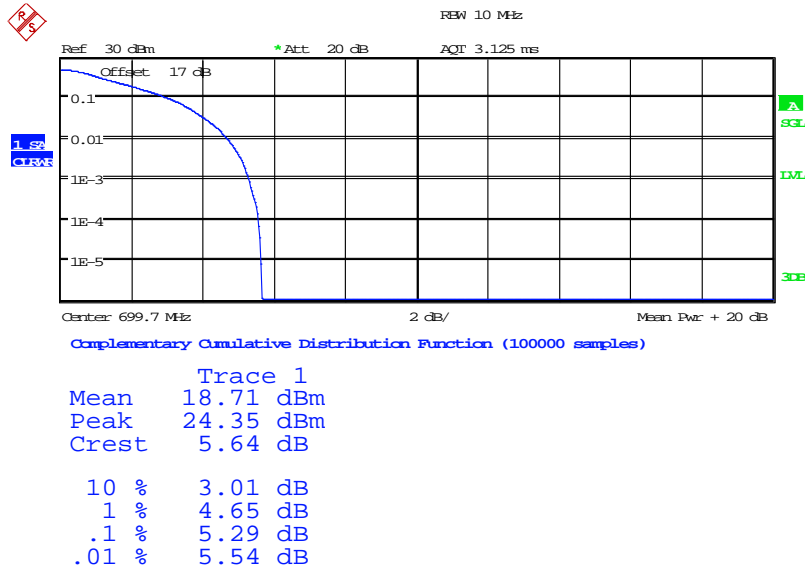


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 FCC ID: GX9HSGWCATM1ZB



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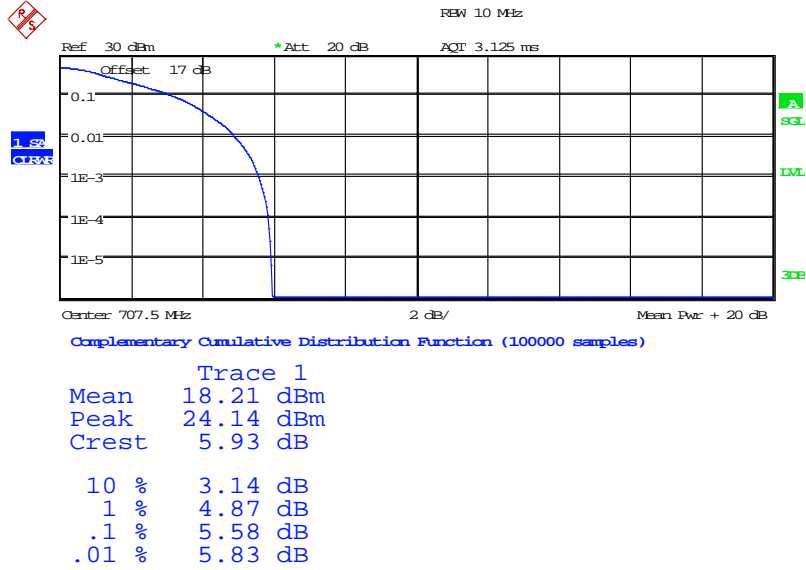
Band 12  
 1.4 MHz  
 QPSK



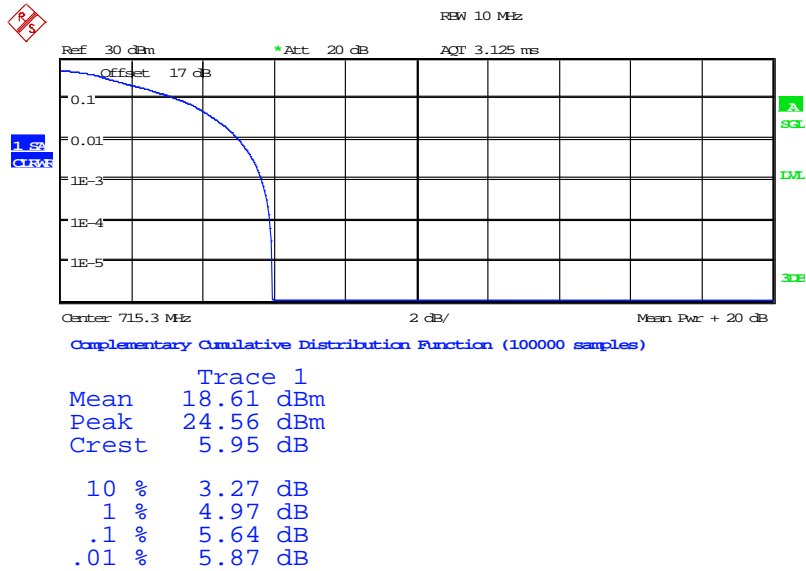
Date: 16.AUG.2024 17:13:46



Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



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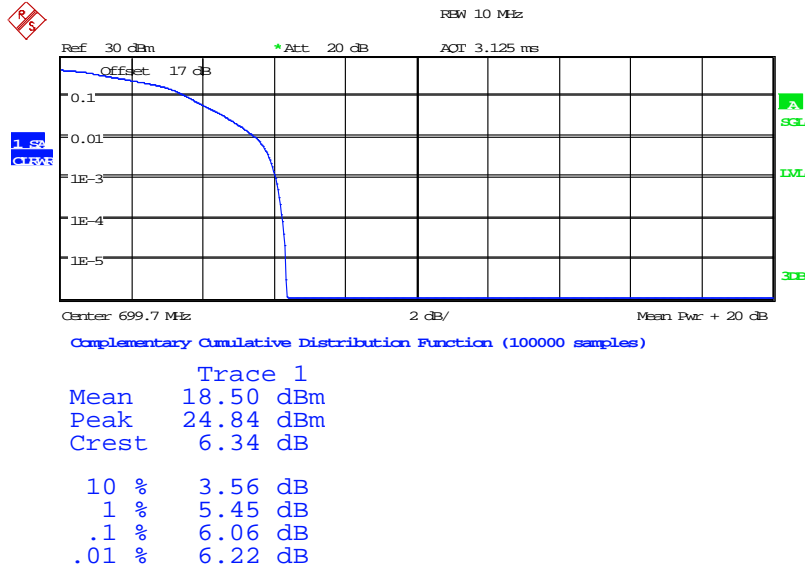
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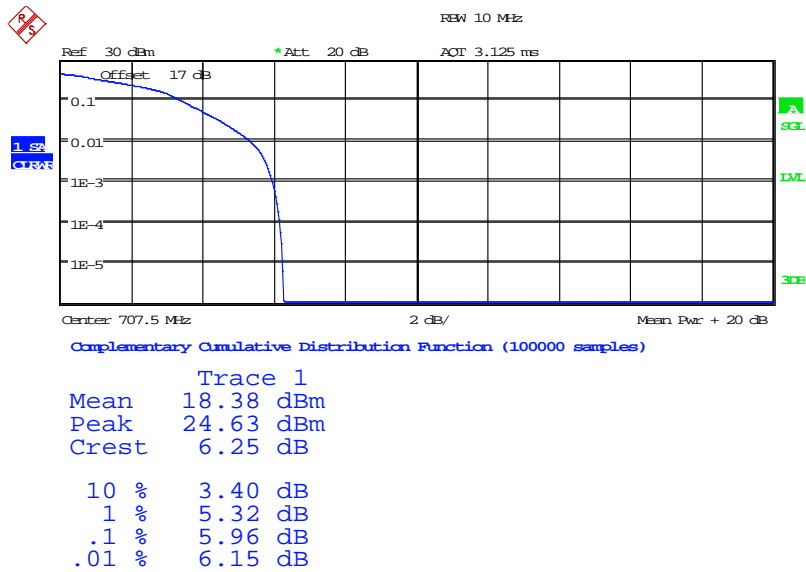
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM



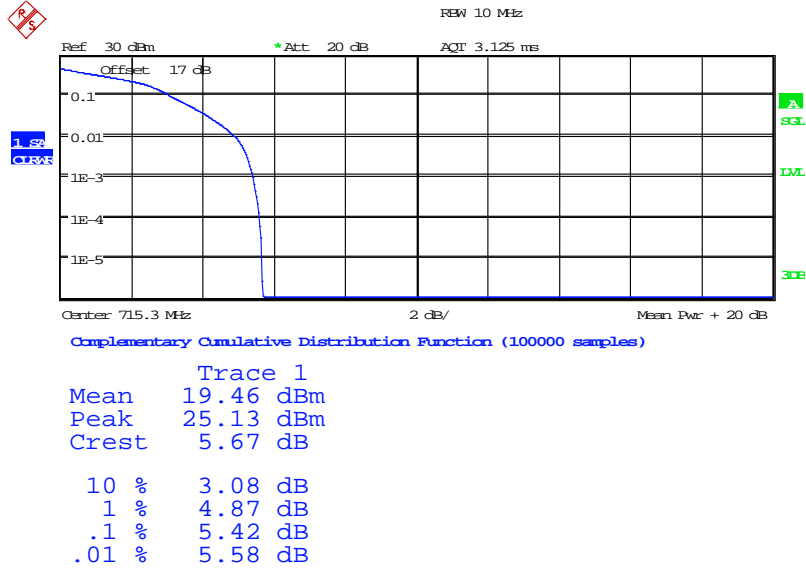
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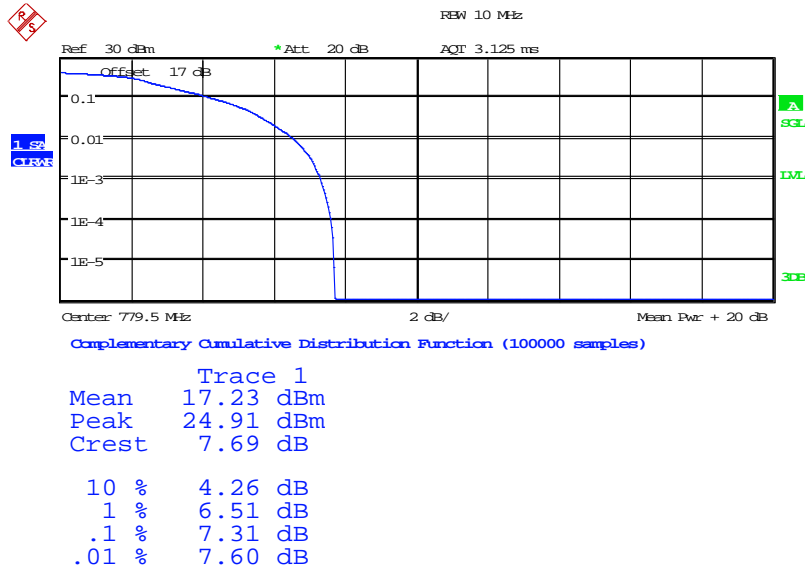


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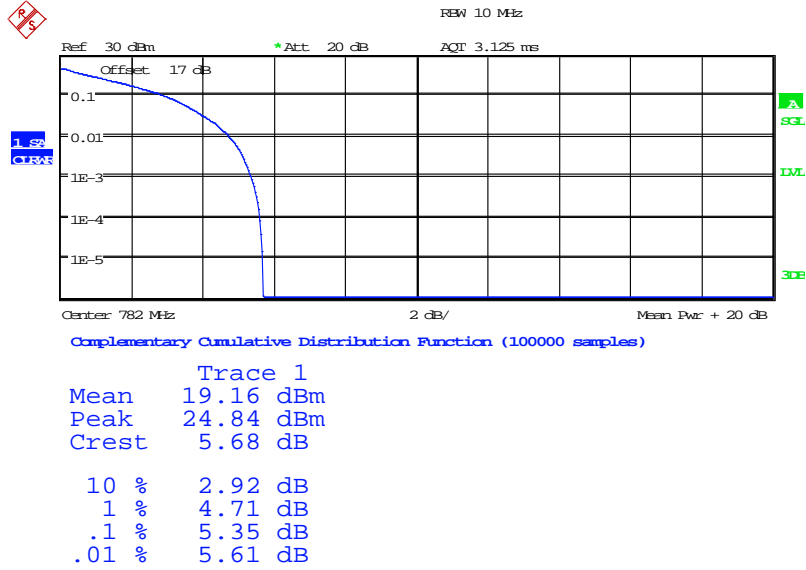
Band 13  
 5 MHz  
 QPSK



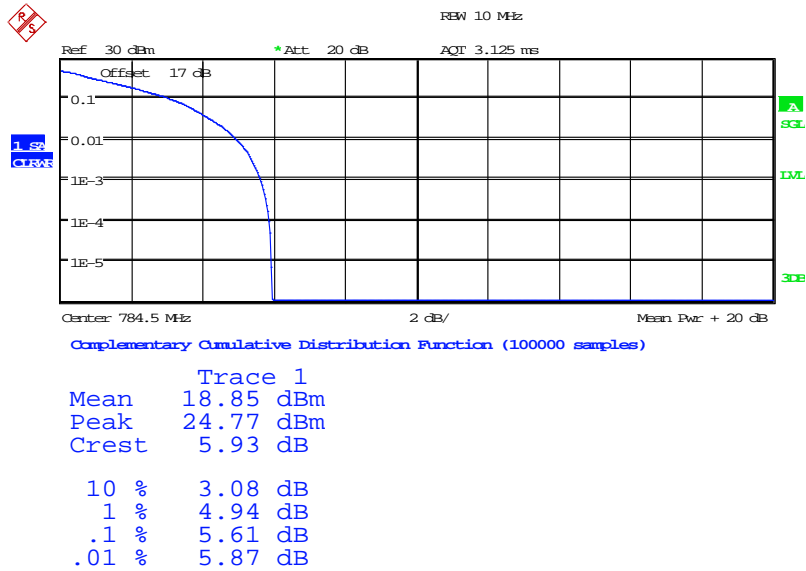
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Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



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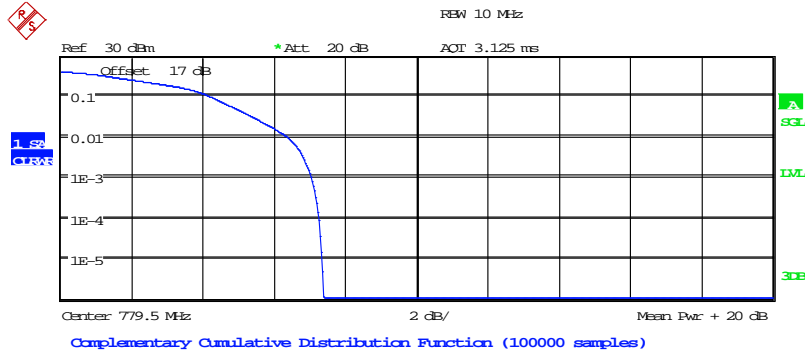
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Registration number: W6M22407-23644-C-247

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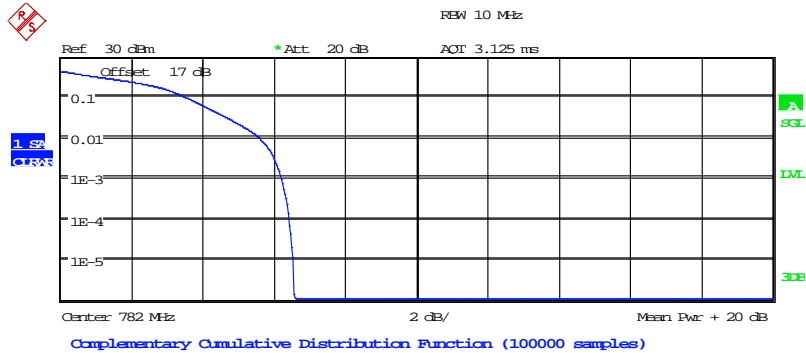
16QAM



Trace 1

Mean	17.96 dBm
Peak	25.34 dBm
Crest	7.38 dB
10 %	4.20 dB
1 %	6.35 dB
.1 %	7.05 dB
.01 %	7.28 dB

Date: 16.AUG.2024 16:50:14



Trace 1

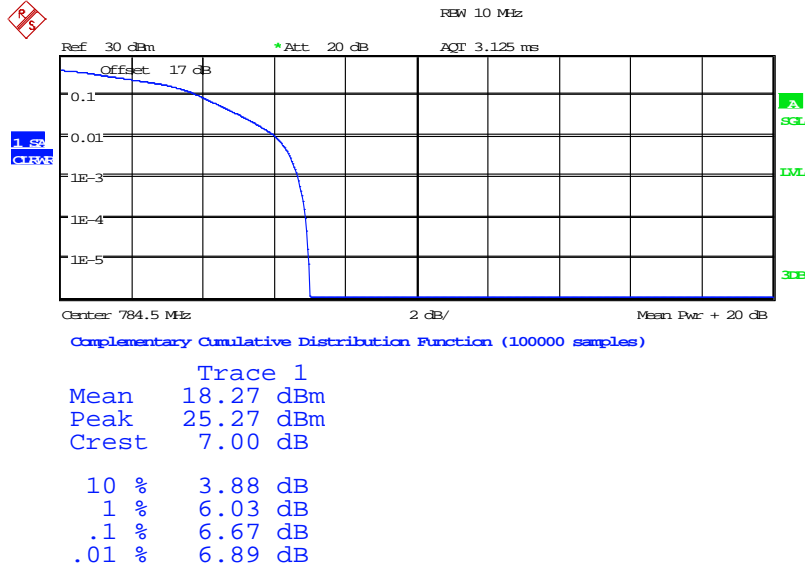
Mean	18.70 dBm
Peak	25.27 dBm
Crest	6.56 dB
10 %	3.53 dB
1 %	5.58 dB
.1 %	6.22 dB
.01 %	6.44 dB

Date: 16.AUG.2024 16:50:54



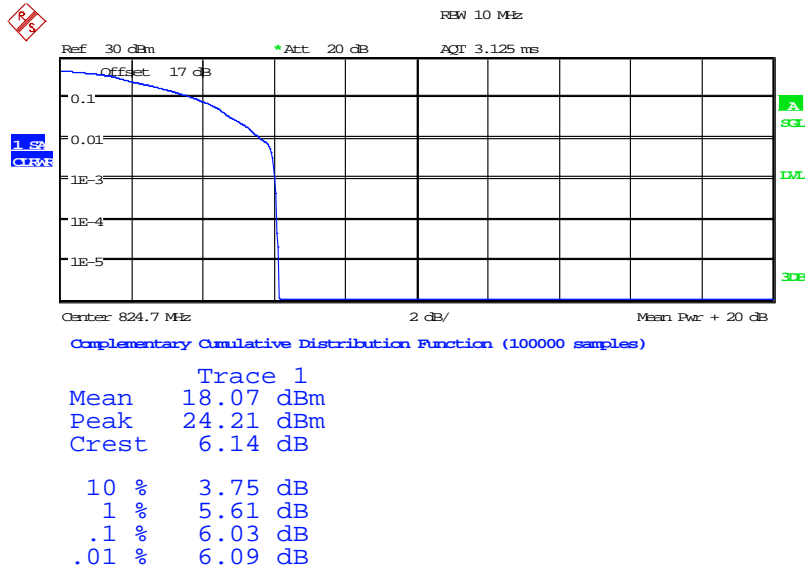


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 16:51:28

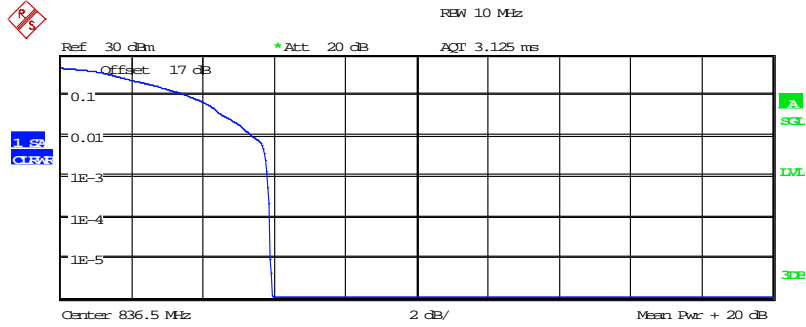
Band 26  
 1.4 MHz  
 QPSK



Date: 22.OCT.2024 17:02:41



Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB

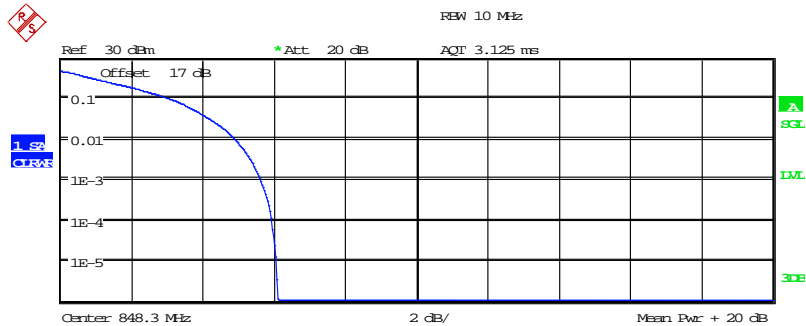


Complementary Cumulative Distribution Function (100000 samples)

Trace 1  
 Mean 18.26 dBm  
 Peak 24.21 dBm  
 Crest 5.95 dB

10 % 3.59 dB  
 1 % 5.38 dB  
 .1 % 5.80 dB  
 .01 % 5.90 dB

Date: 22.OCT.2024 17:04:33



Complementary Cumulative Distribution Function (100000 samples)

Trace 1  
 Mean 17.91 dBm  
 Peak 24.00 dBm  
 Crest 6.09 dB

10 % 3.08 dB  
 1 % 4.87 dB  
 .1 % 5.61 dB  
 .01 % 5.93 dB

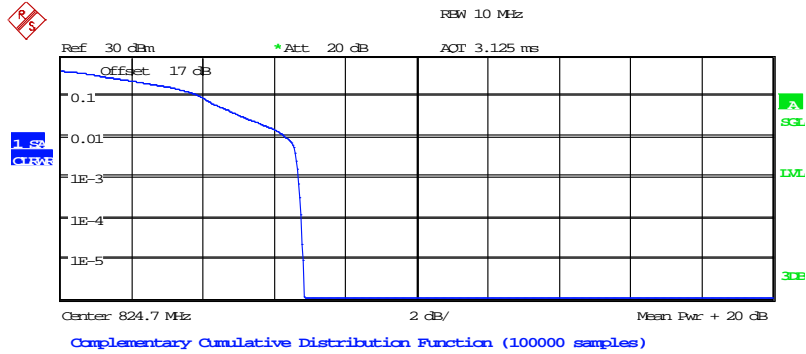
Date: 16.AUG.2024 17:10:23



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

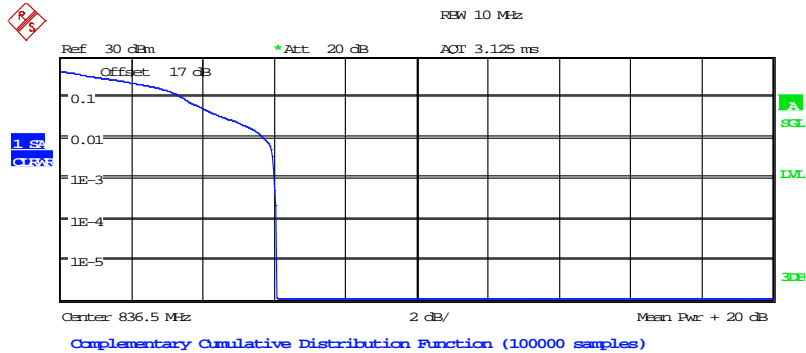
16QAM



Trace 1

Mean	17.30 dBm
Peak	24.14 dBm
Crest	6.84 dB
10 %	3.91 dB
1 %	6.31 dB
.1 %	6.70 dB
.01 %	6.76 dB

Date: 22.OCT.2024 17:01:40



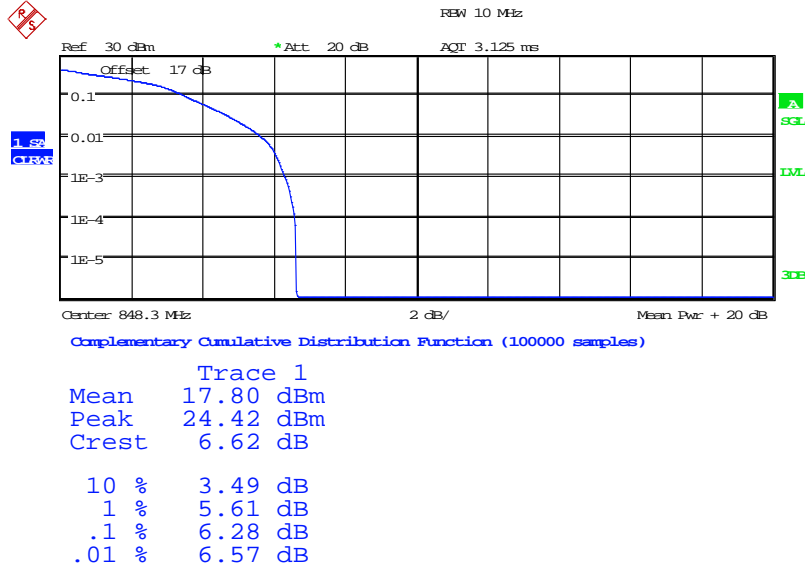
Trace 1

Mean	18.07 dBm
Peak	24.14 dBm
Crest	6.07 dB
10 %	3.40 dB
1 %	5.71 dB
.1 %	6.03 dB
.01 %	6.09 dB

Date: 22.OCT.2024 17:04:56

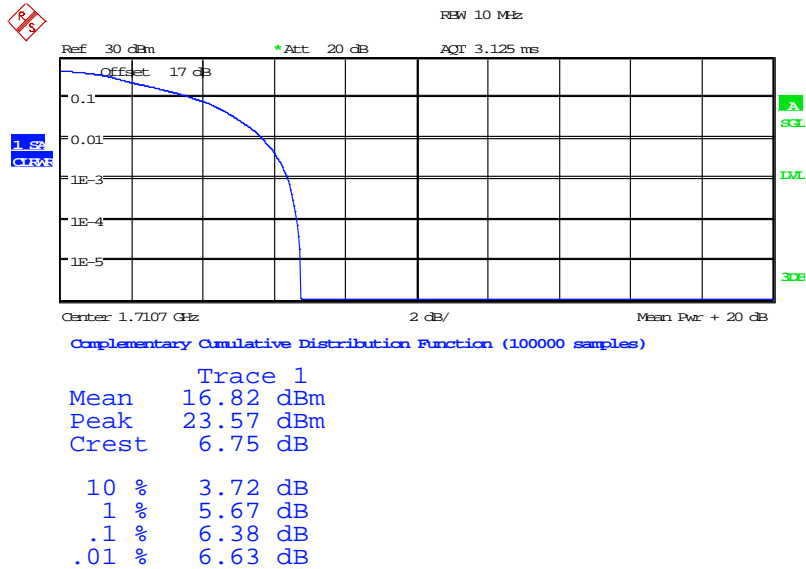


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 17:10:58

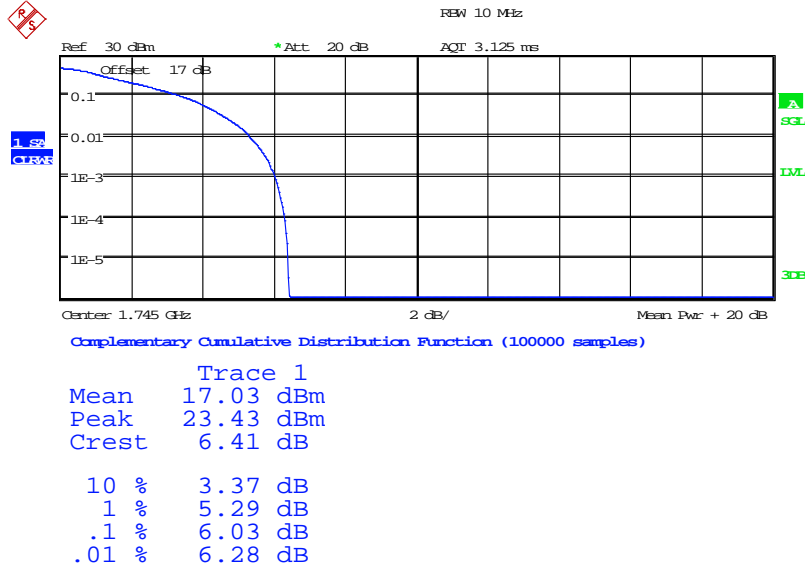
Band 66  
 1.4 MHz  
 QPSK



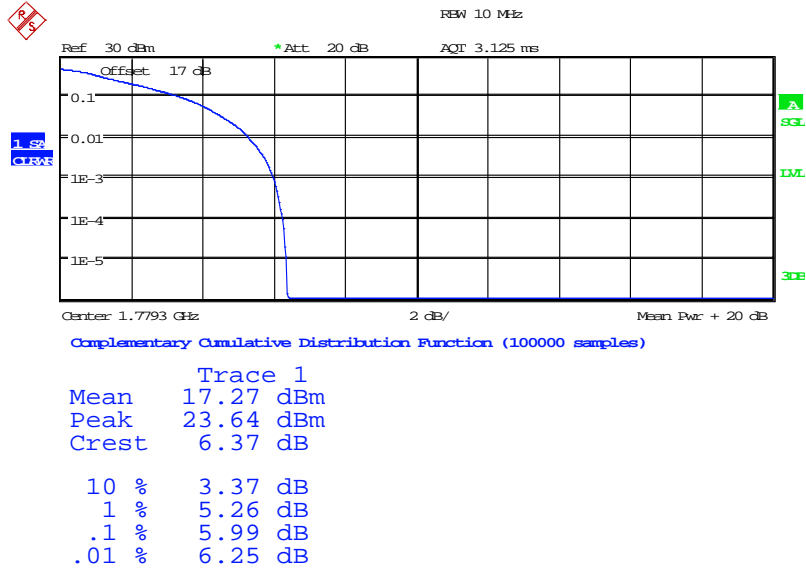
Date: 16.AUG.2024 17:05:22



Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 17:03:15



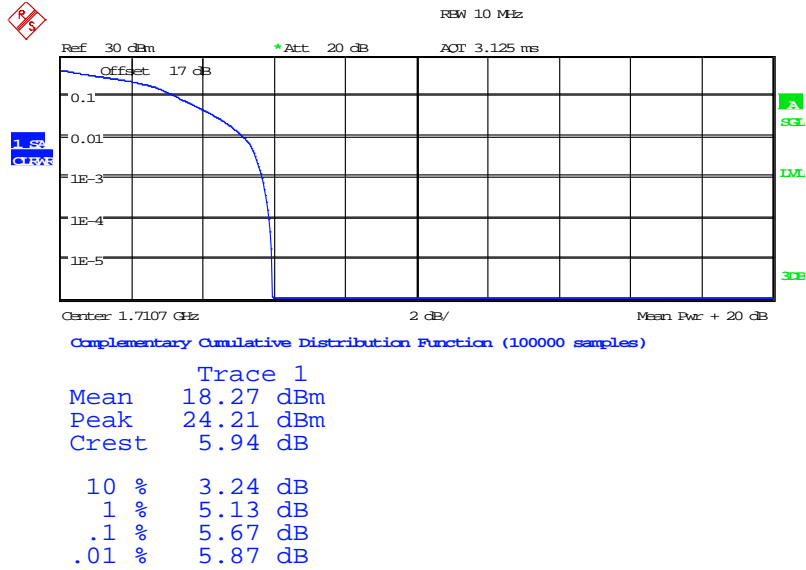
Date: 16.AUG.2024 17:02:23



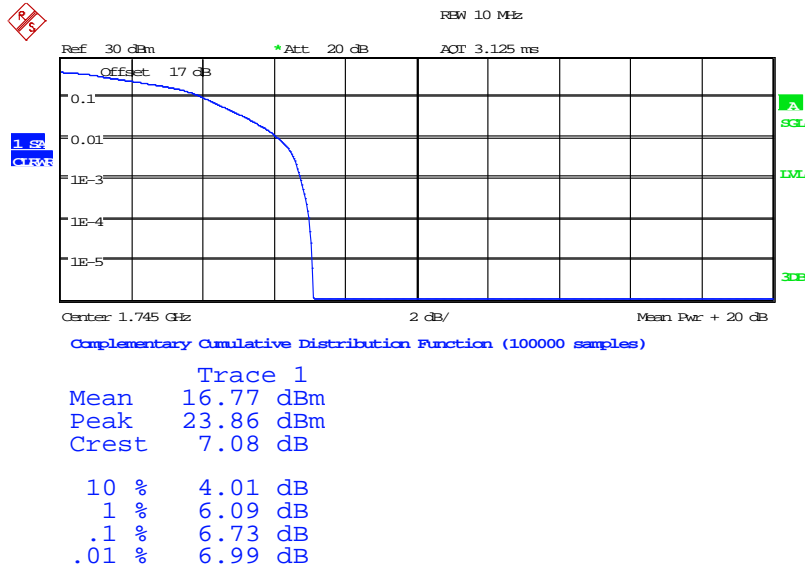
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM



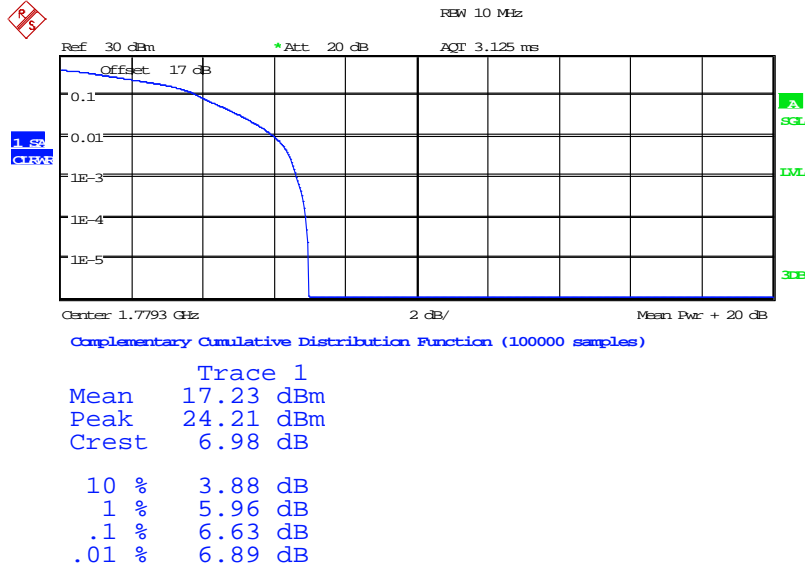
Date: 16.AUG.2024 16:58:27



Date: 16.AUG.2024 17:00:46

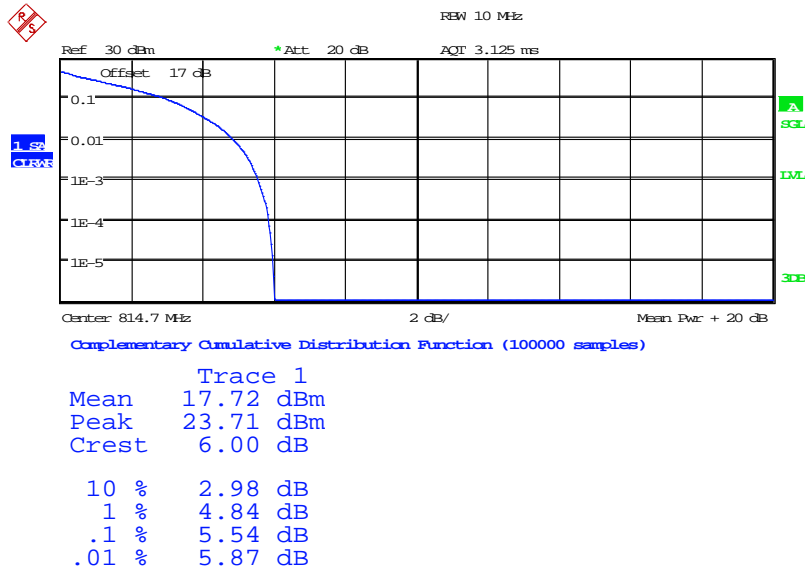


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 17:01:19

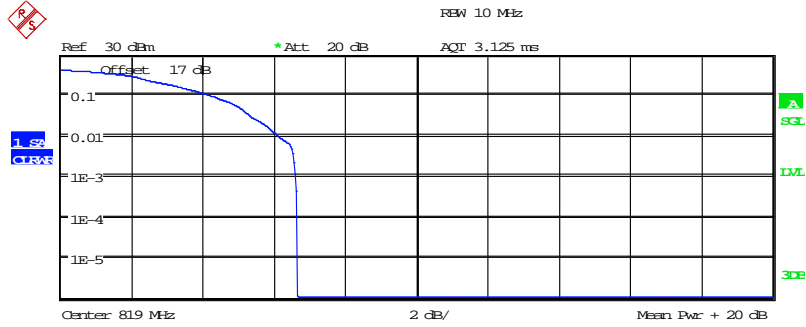
Part 90  
 Band 26  
 1.4 MHz  
 QPSK



Date: 16.AUG.2024 17:08:26



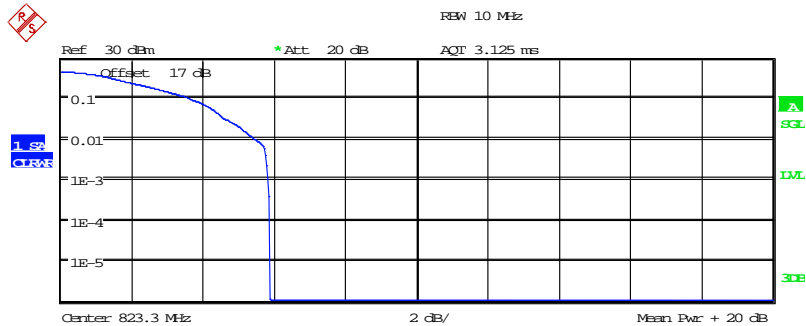
Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	17.42 dBm
Peak	24.07 dBm
Crest	6.64 dB
10 %	4.26 dB
1 %	6.12 dB
.1 %	6.60 dB
.01 %	6.67 dB

Date: 22.OCT.2024 17:11:34



Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	18.12 dBm
Peak	24.00 dBm
Crest	5.87 dB
10 %	3.65 dB
1 %	5.45 dB
.1 %	5.83 dB
.01 %	5.90 dB

Date: 22.OCT.2024 17:13:31

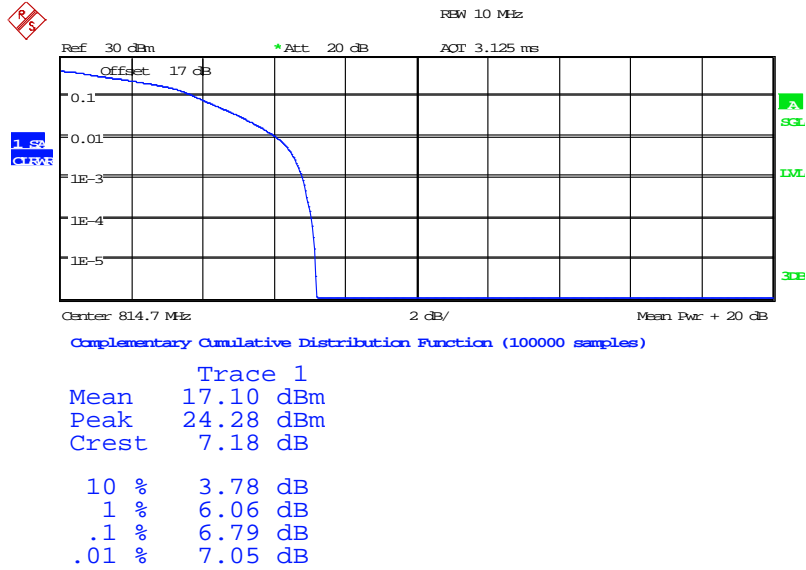




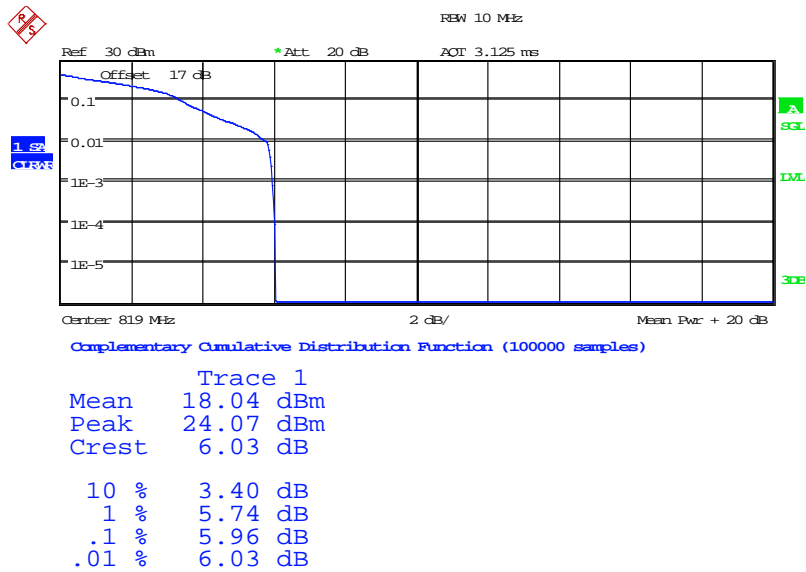
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 16.AUG.2024 17:07:47

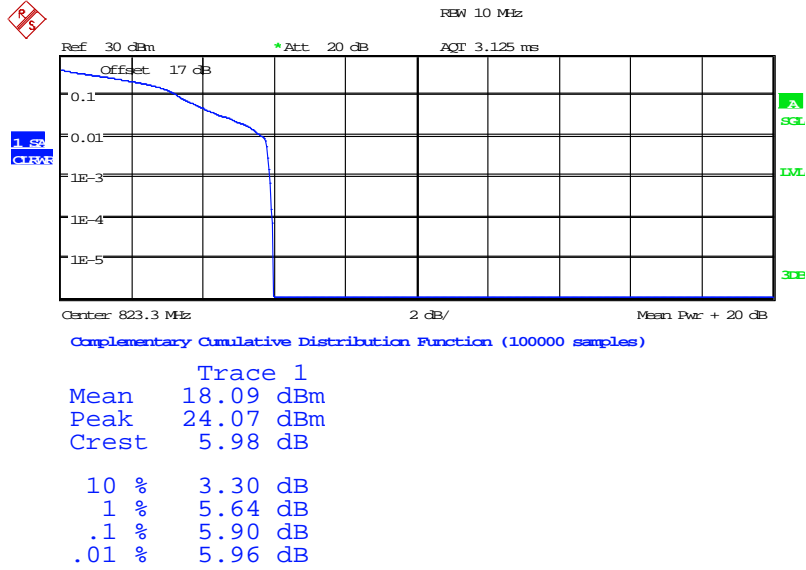


Date: 22.OCT.2024 17:12:16



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 22.OCT.2024 17:12:57

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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FCC ID: GX9HSGWCATM1ZB

## 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.

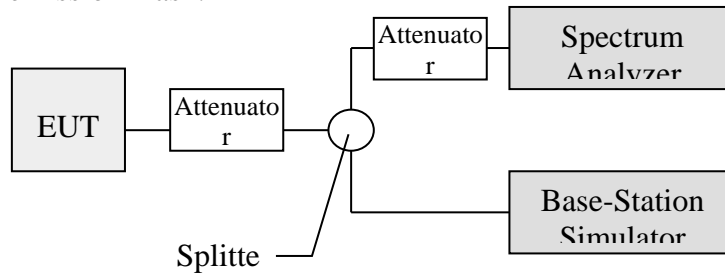
The 26 dB occupied bandwidth is the width of a frequency band such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal 26 dB.

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: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

## 6.2 Test Results

Test date: August 15, 2024-October 22, 2024

Temperature: 24.8 °C

Humidity: 55.3 %

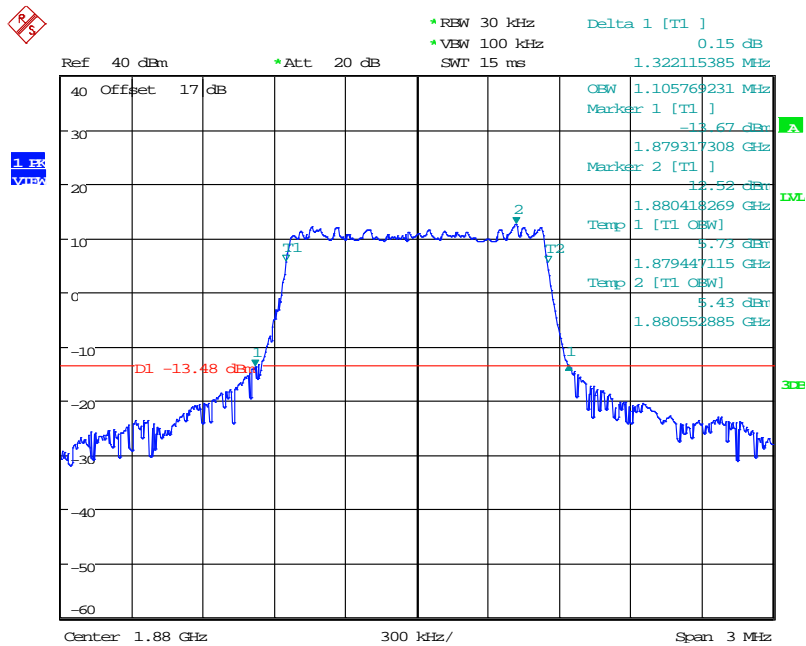
Tester: Sora

Part 2/22/24/27

Band 2

1.4 MHz

QPSK



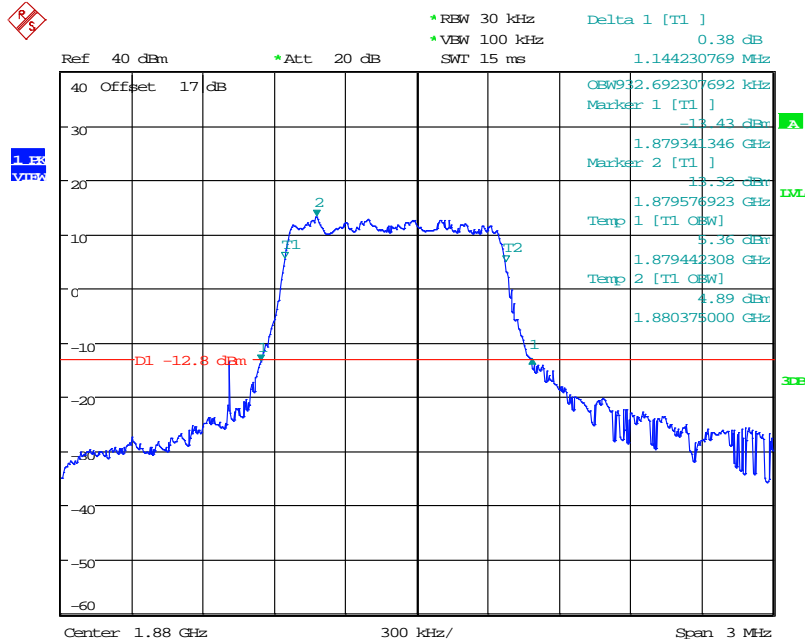
Date: 15.AUG.2024 10:11:21



Registration number: W6M22407-23644-C-247

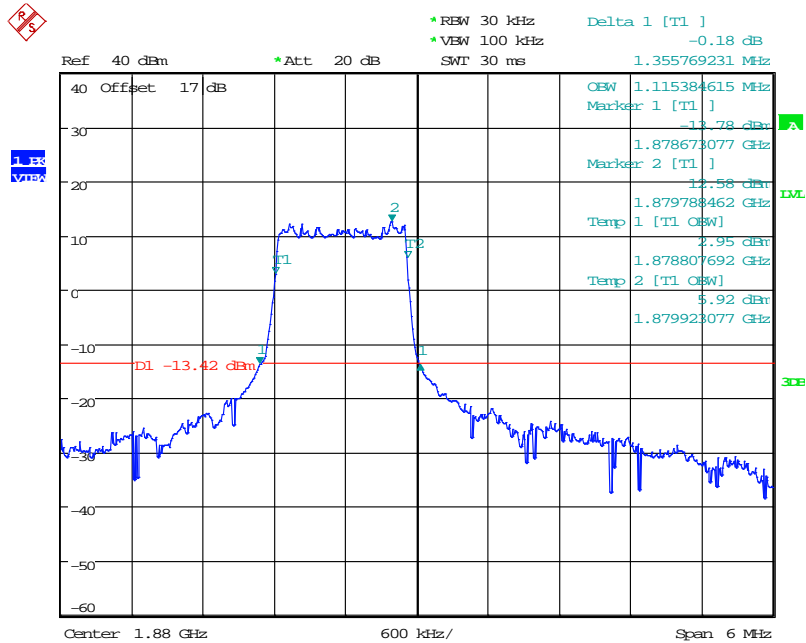
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 10:12:49

3 MHz  
QPSK



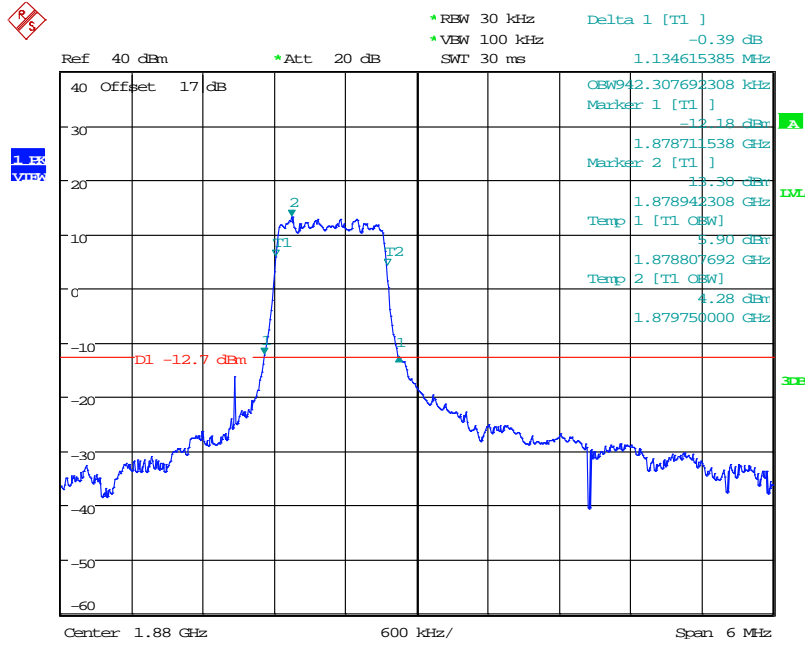
Date: 15.AUG.2024 11:09:02



Registration number: W6M22407-23644-C-247

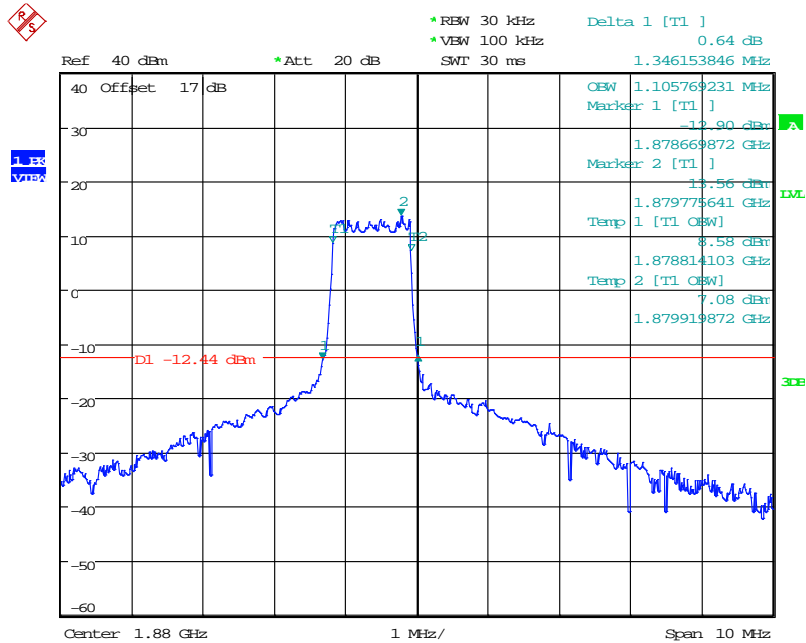
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:07:46

5 MHz  
QPSK



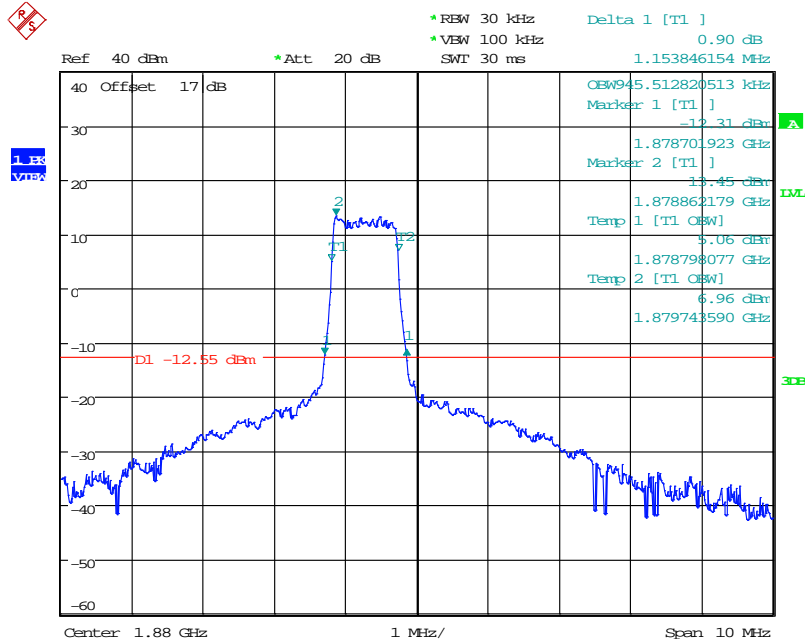
Date: 15.AUG.2024 11:34:30



Registration number: W6M22407-23644-C-247

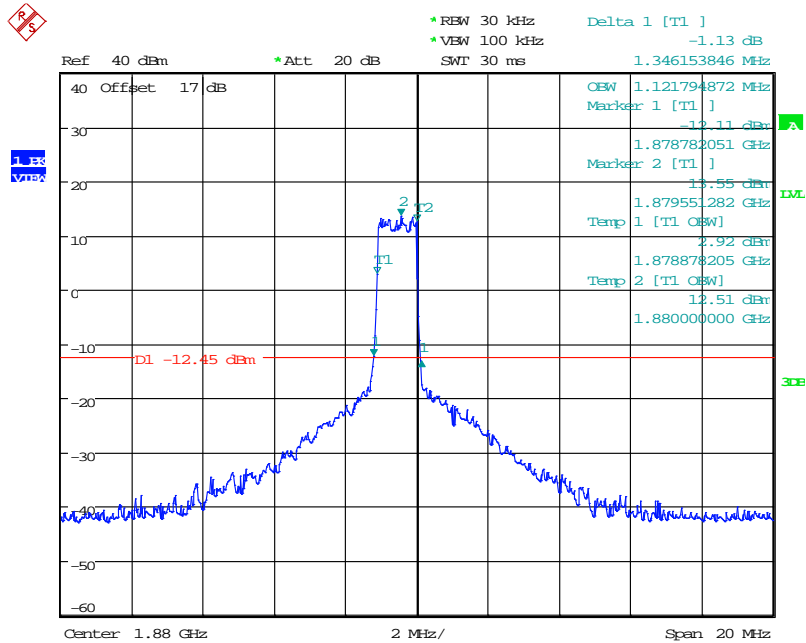
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:36:35

10 MHz  
QPSK



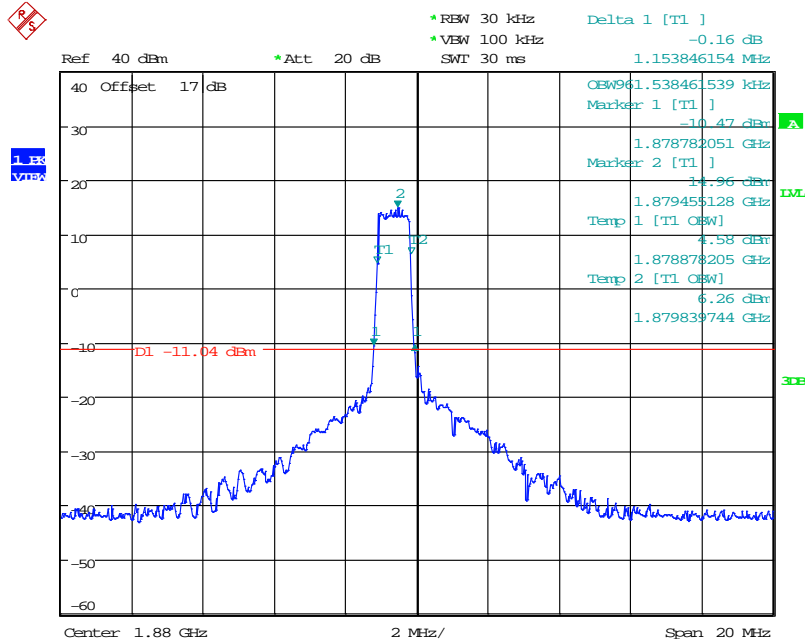
Date: 15.AUG.2024 13:23:29



Registration number: W6M22407-23644-C-247

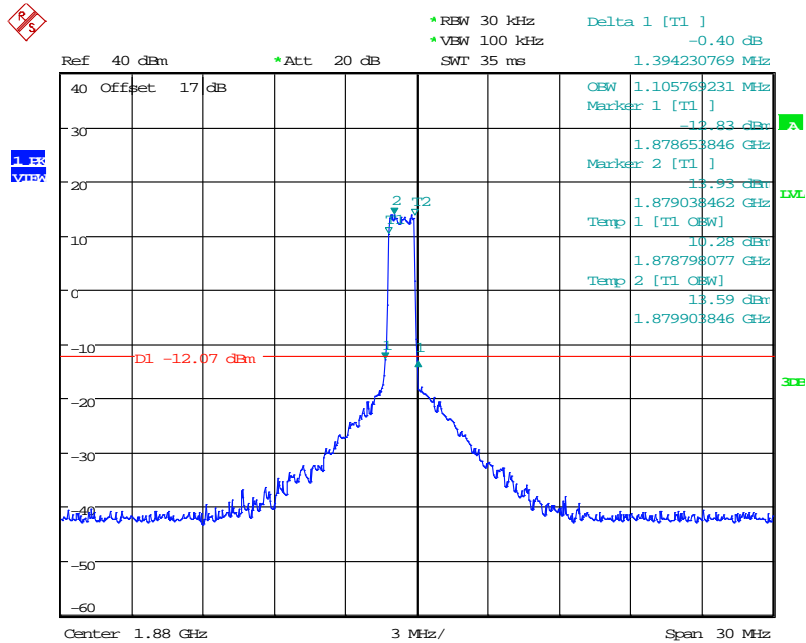
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:25:17

15 MHz  
QPSK



Date: 15.AUG.2024 13:57:40

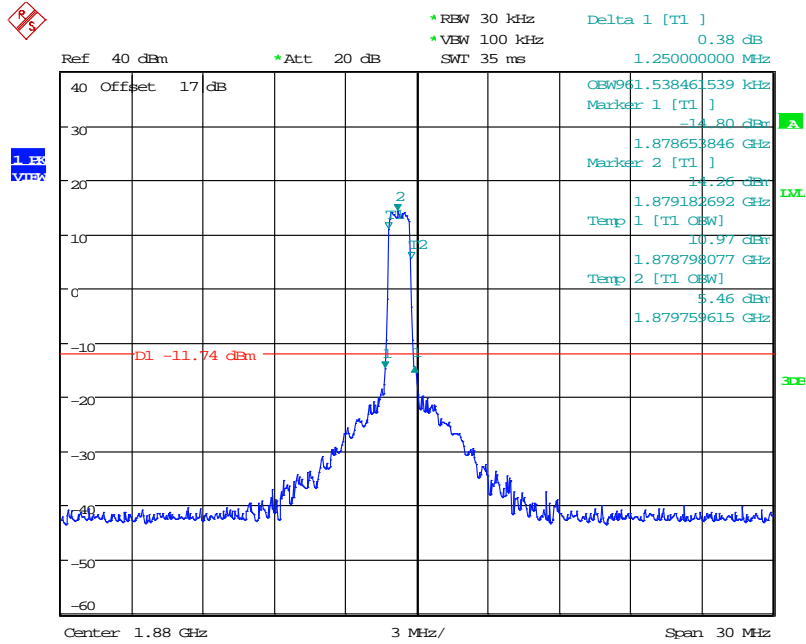




Registration number: W6M22407-23644-C-247

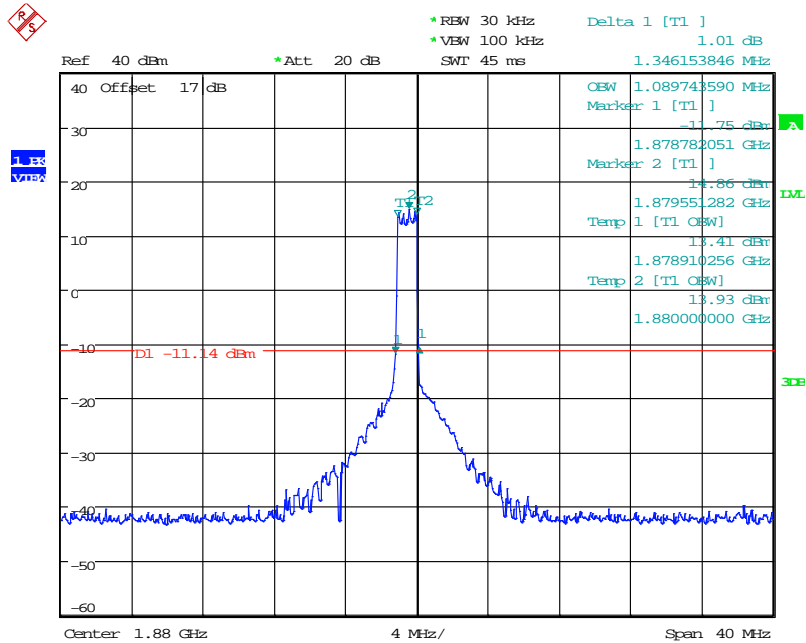
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:55:56

20 MHz  
QPSK



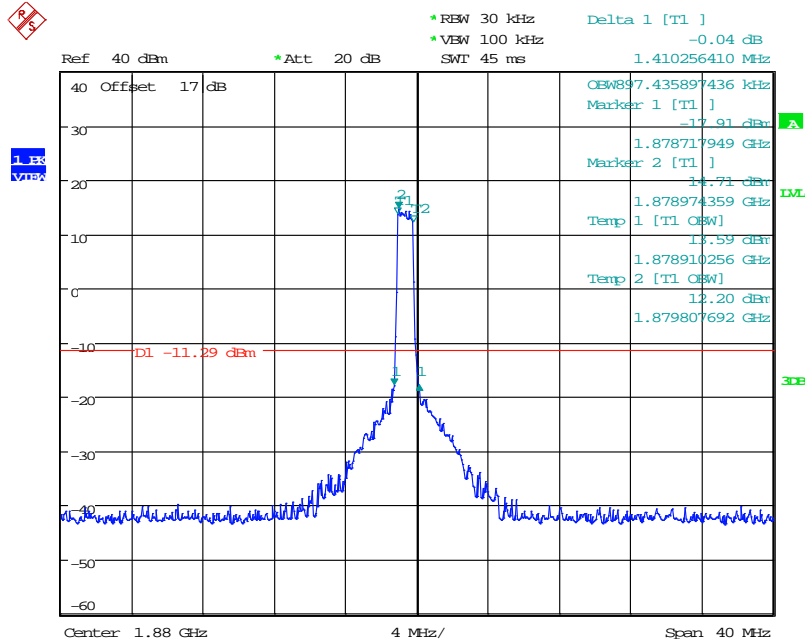
Date: 15.AUG.2024 14:12:31



Registration number: W6M22407-23644-C-247

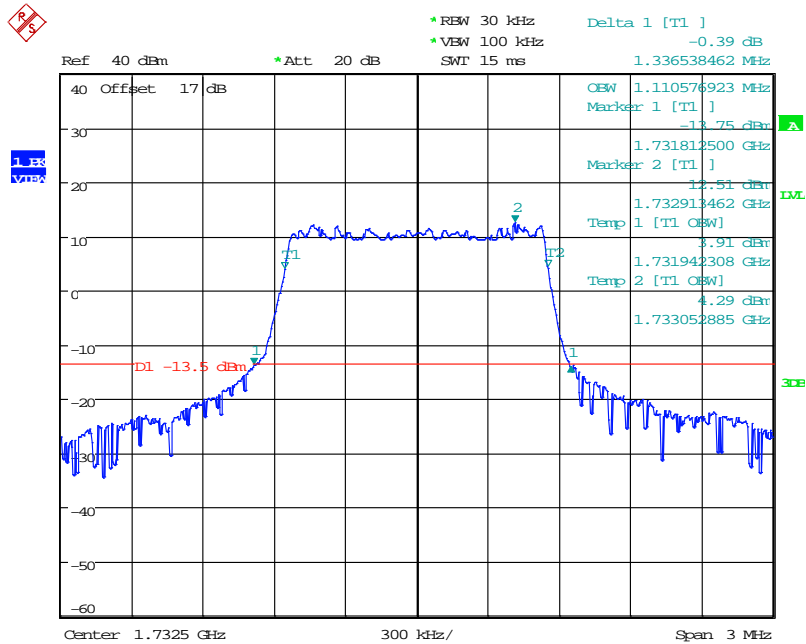
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 14:14:12

Band 4  
1.4 MHz  
QPSK



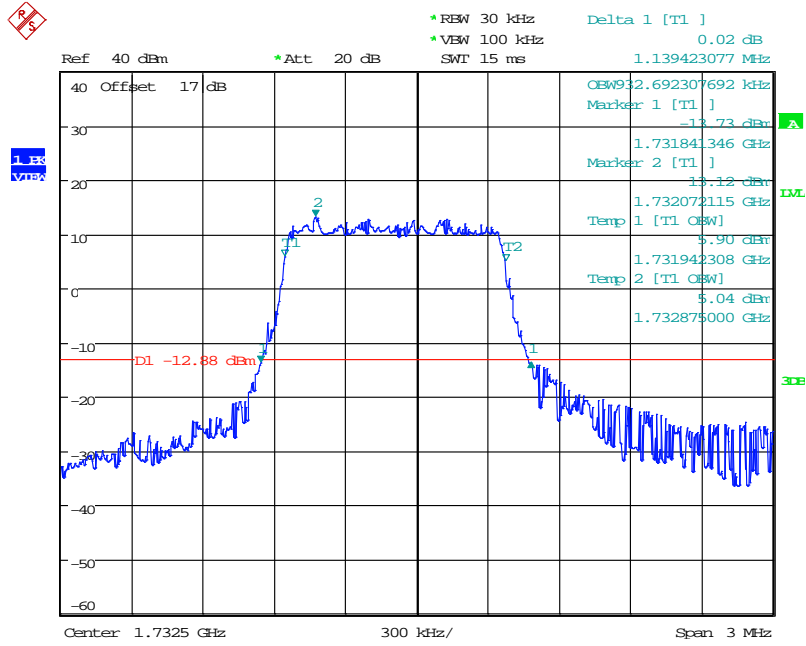
Date: 15.AUG.2024 10:16:18



Registration number: W6M22407-23644-C-247

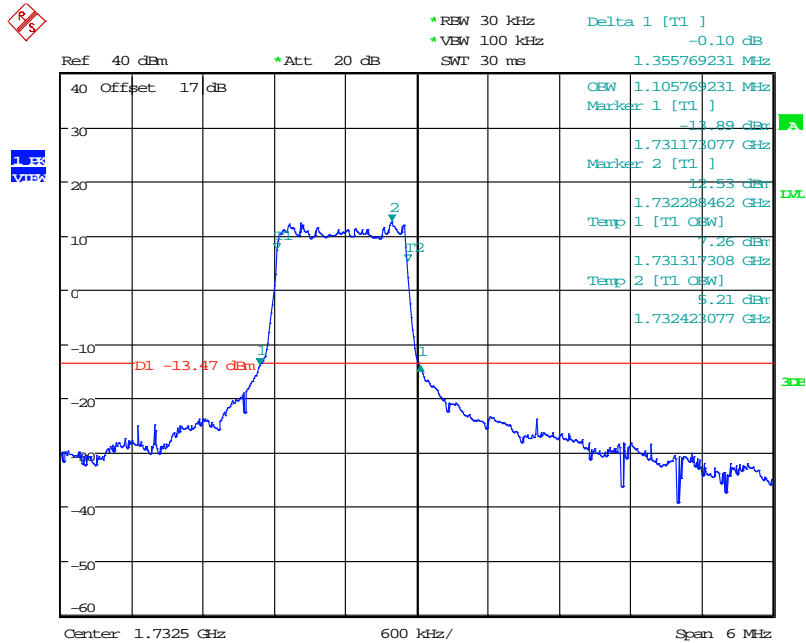
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 10:14:49

3 MHz  
QPSK



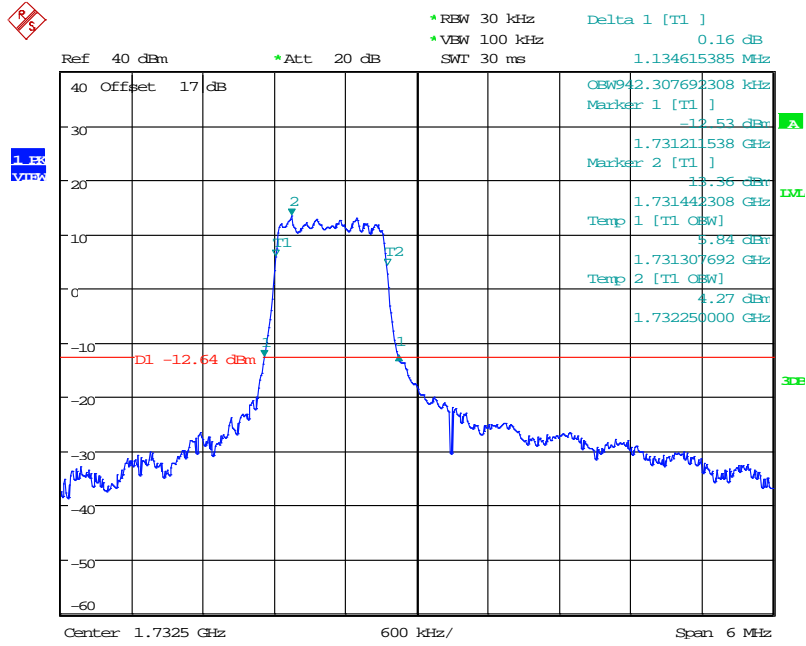
Date: 15.AUG.2024 11:10:31



Registration number: W6M22407-23644-C-247

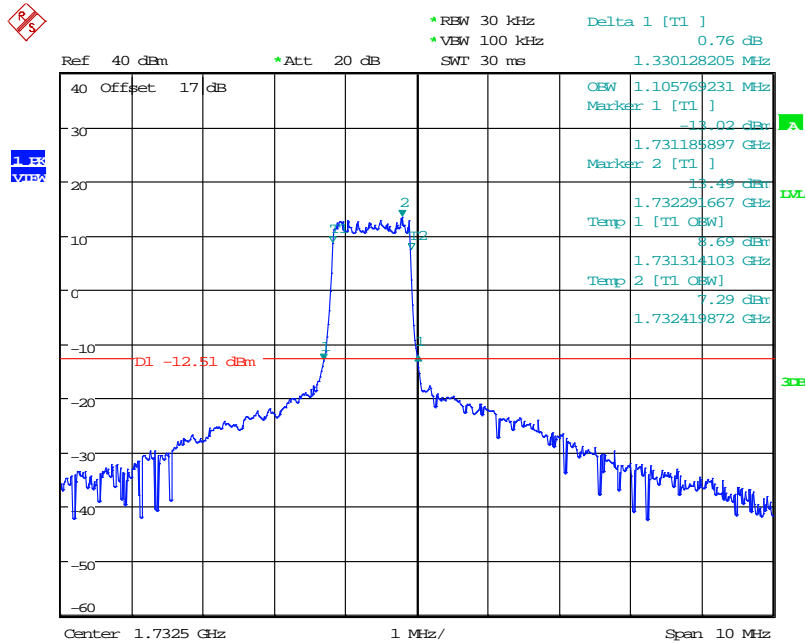
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:06:24

5 MHz  
QPSK



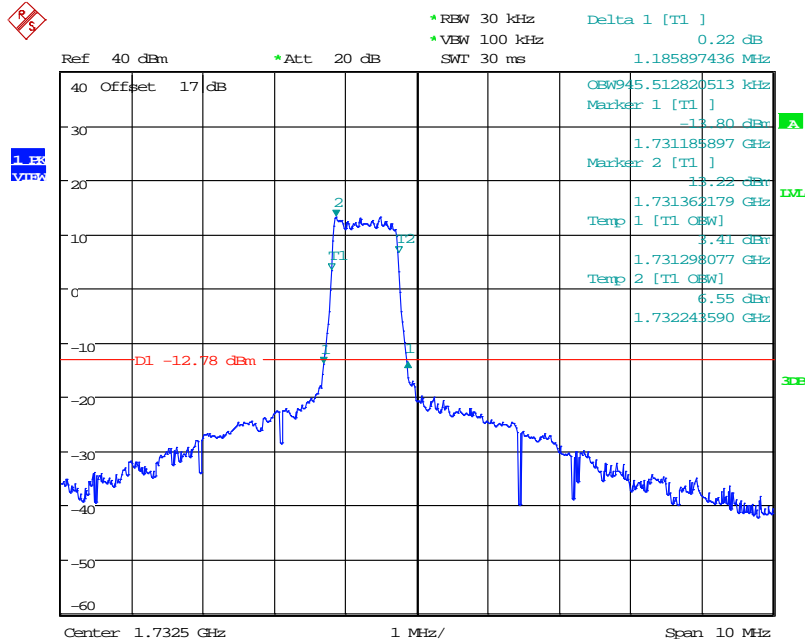
Date: 15.AUG.2024 11:33:03



Registration number: W6M22407-23644-C-247

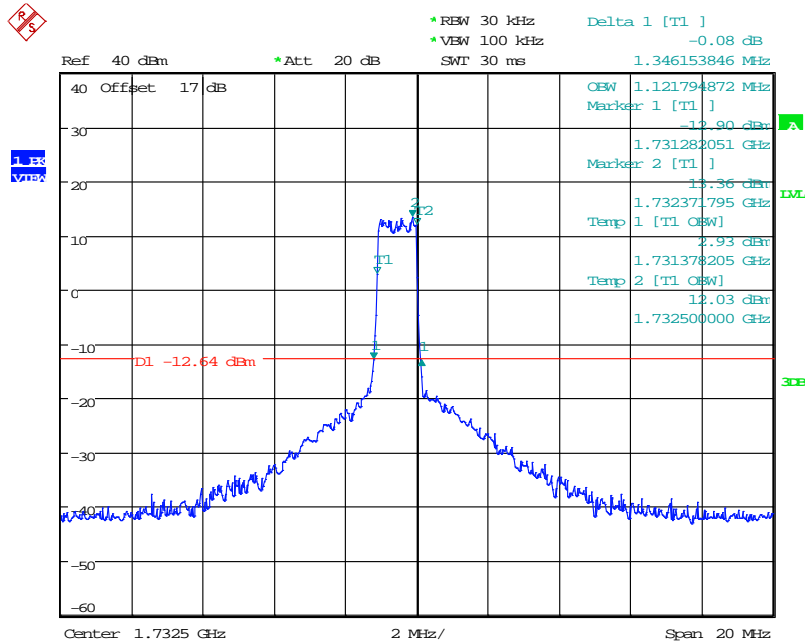
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:38:12

10 MHz  
QPSK



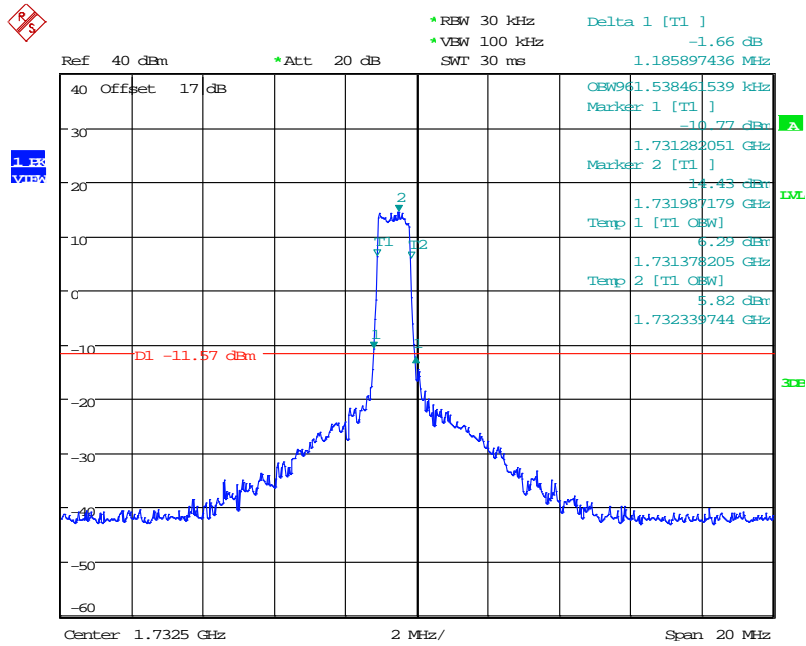
Date: 15.AUG.2024 13:20:11



Registration number: W6M22407-23644-C-247

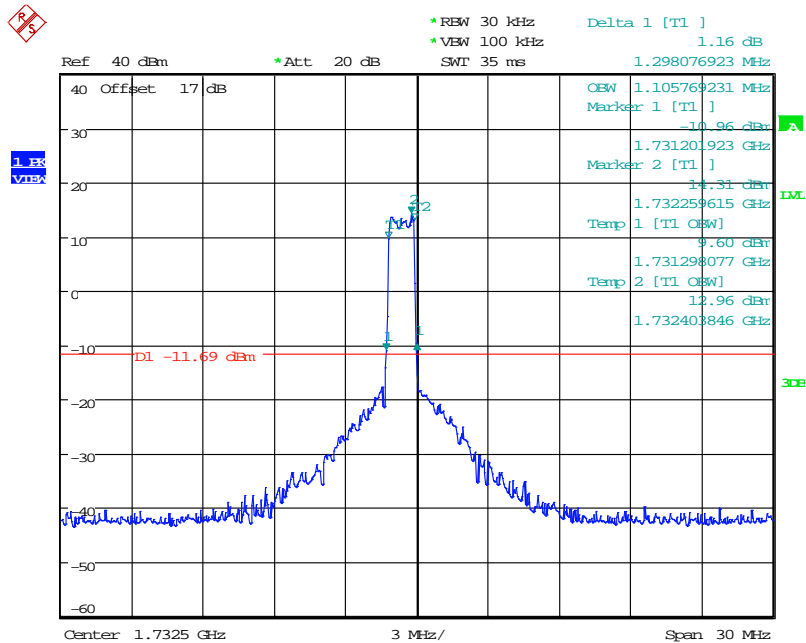
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:27:07

15 MHz  
QPSK



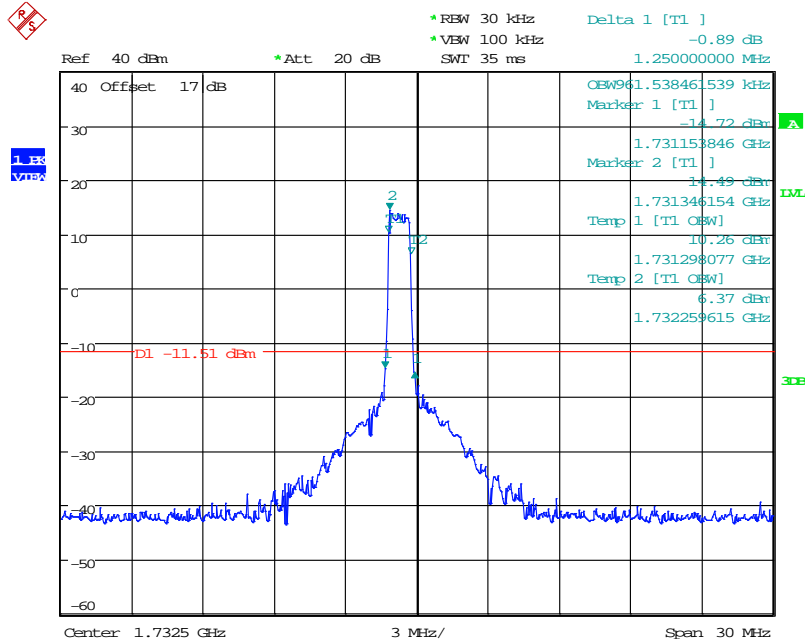
Date: 15.AUG.2024 13:59:28



Registration number: W6M22407-23644-C-247

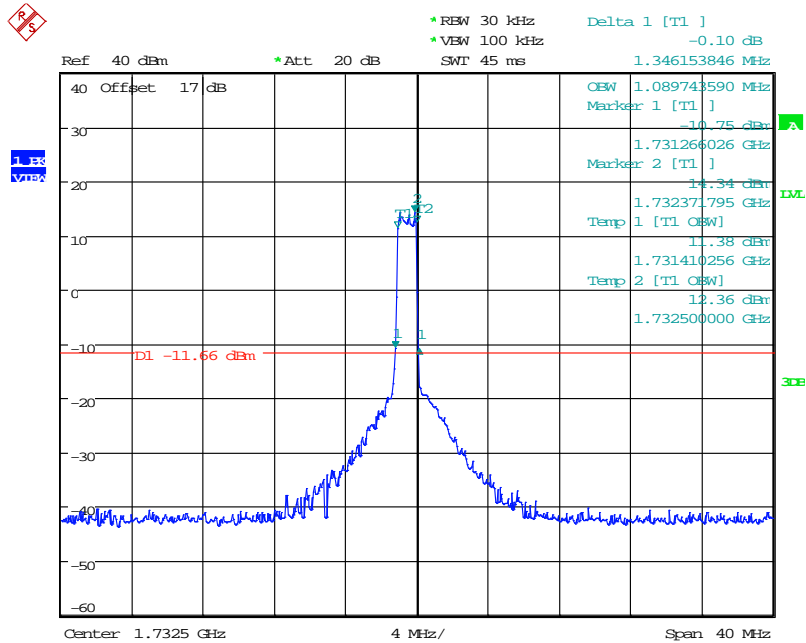
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:53:39

20 MHz  
QPSK



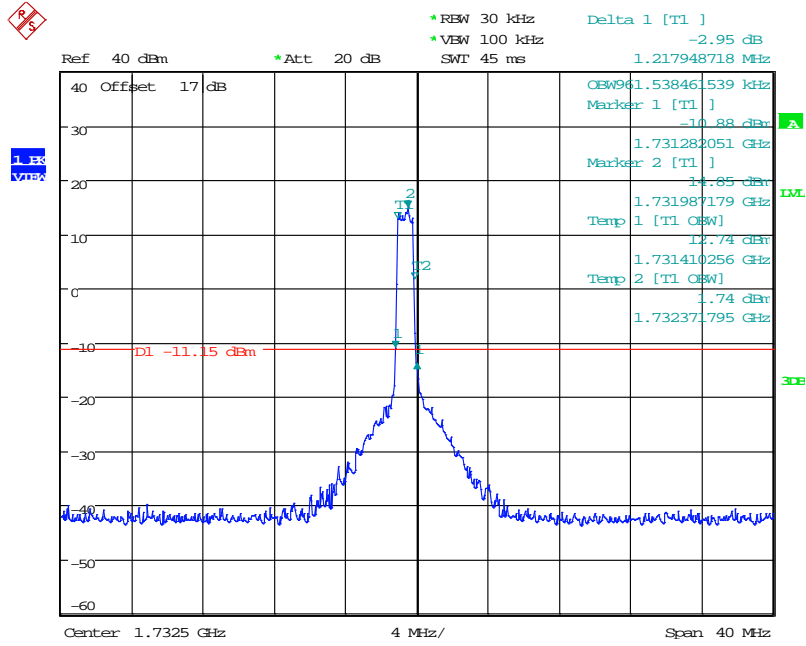
Date: 15.AUG.2024 14:10:29



Registration number: W6M22407-23644-C-247

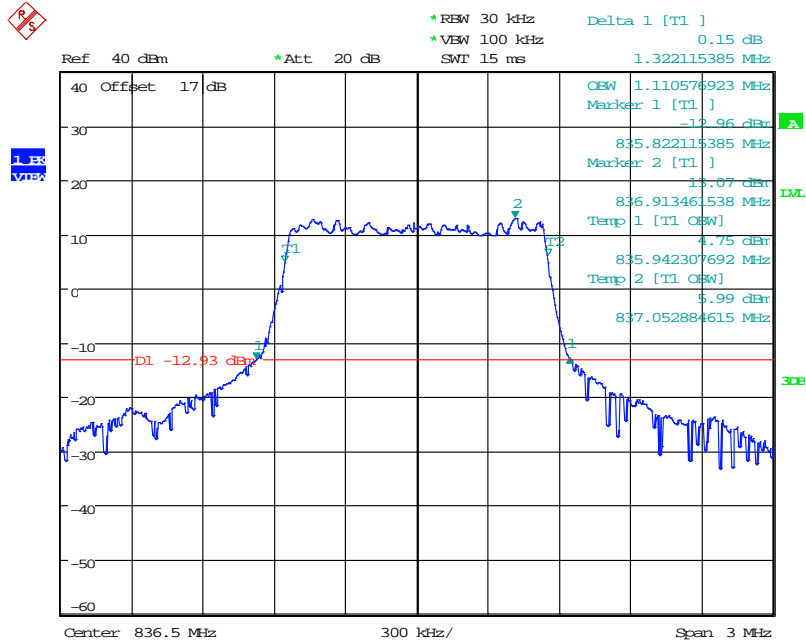
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 14:15:52

Band 5  
1.4 MHz  
QPSK



Date: 15.AUG.2024 10:18:51

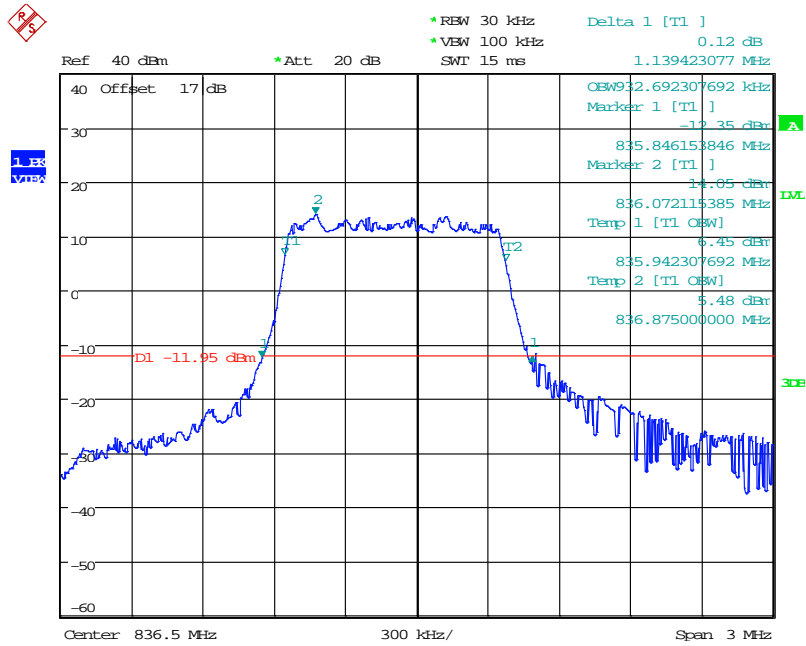




Registration number: W6M22407-23644-C-247

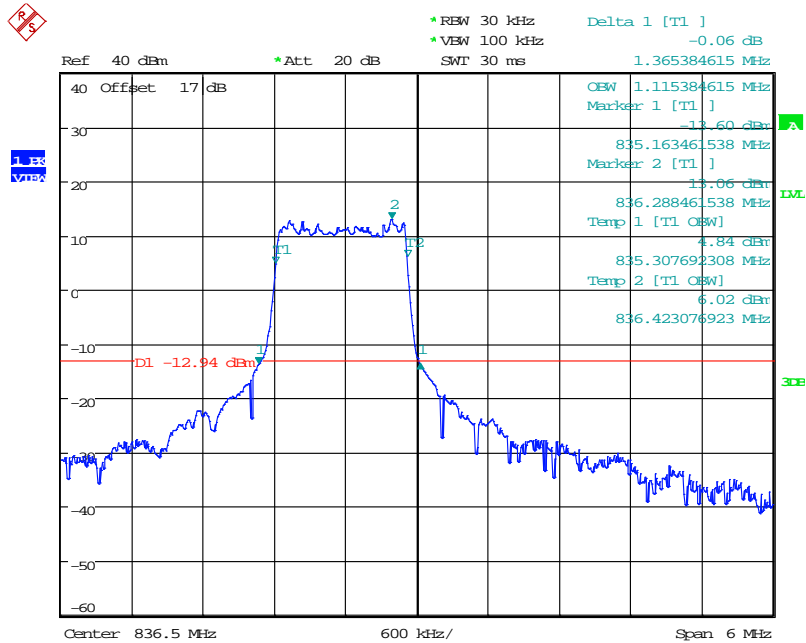
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 10:23:40

3 MHz  
QPSK



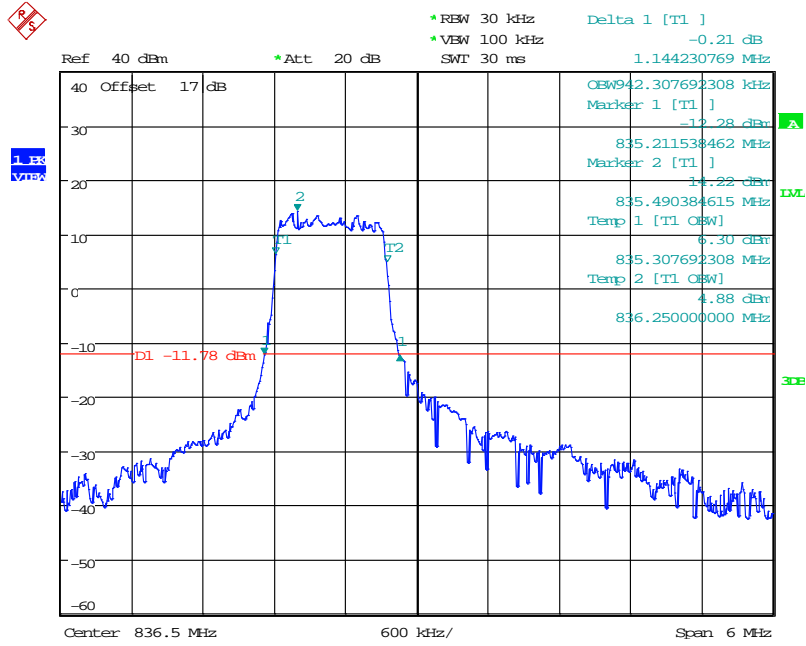
Date: 15.AUG.2024 11:12:06



Registration number: W6M22407-23644-C-247

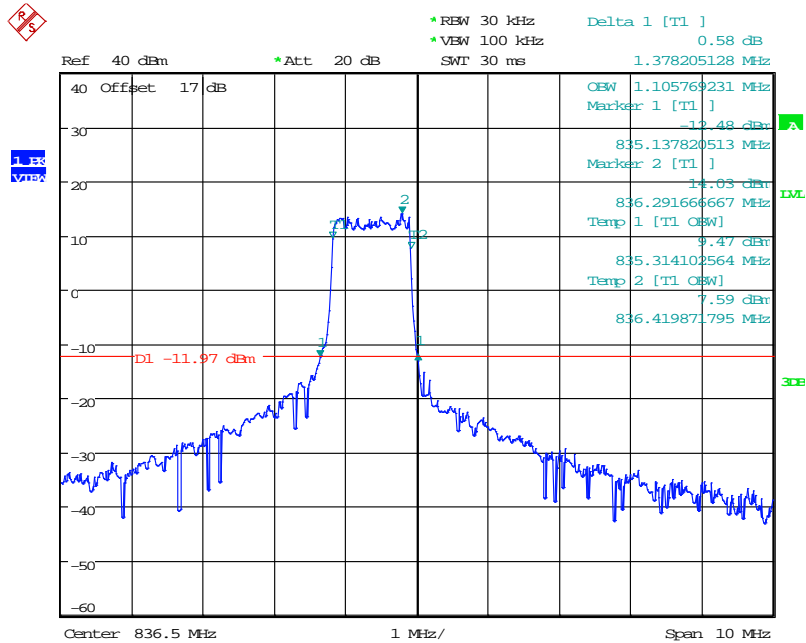
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:03:47

5 MHz  
QPSK



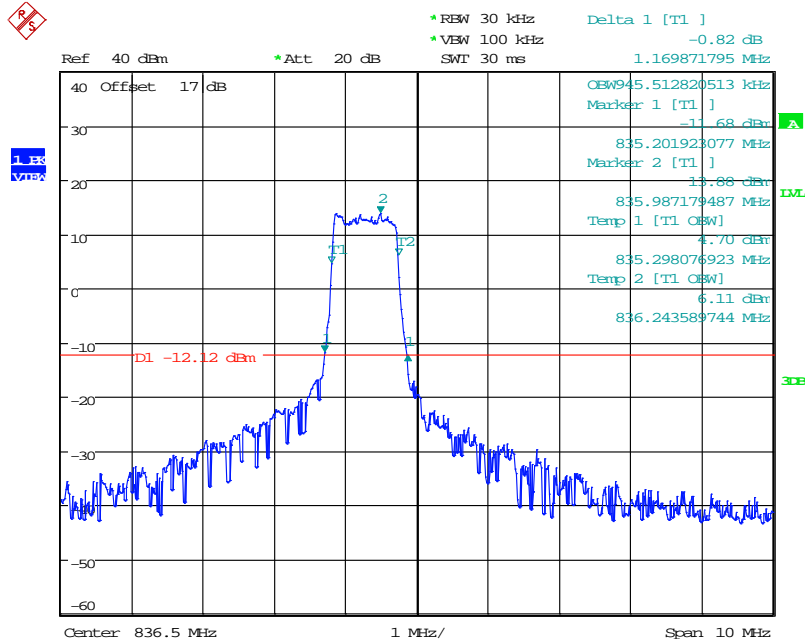
Date: 15.AUG.2024 11:31:43



Registration number: W6M22407-23644-C-247

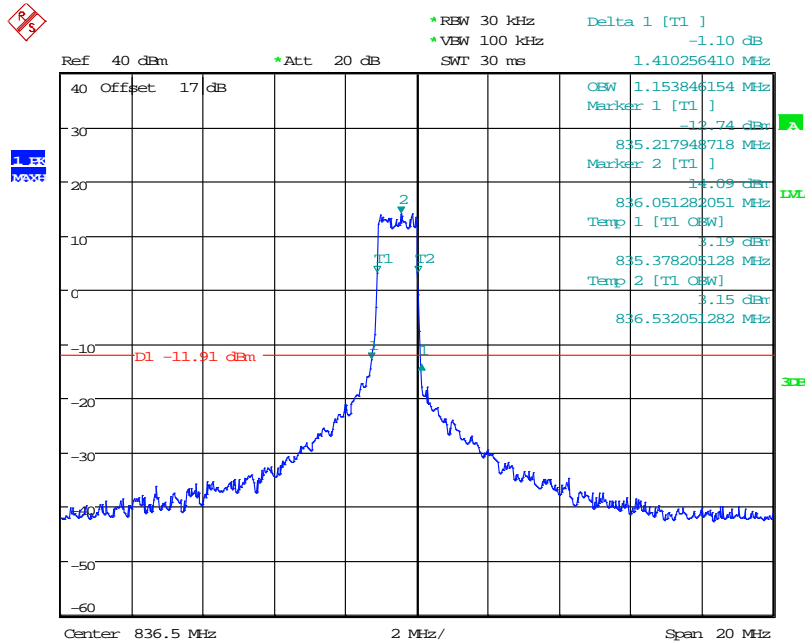
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:40:03

10 MHz  
QPSK



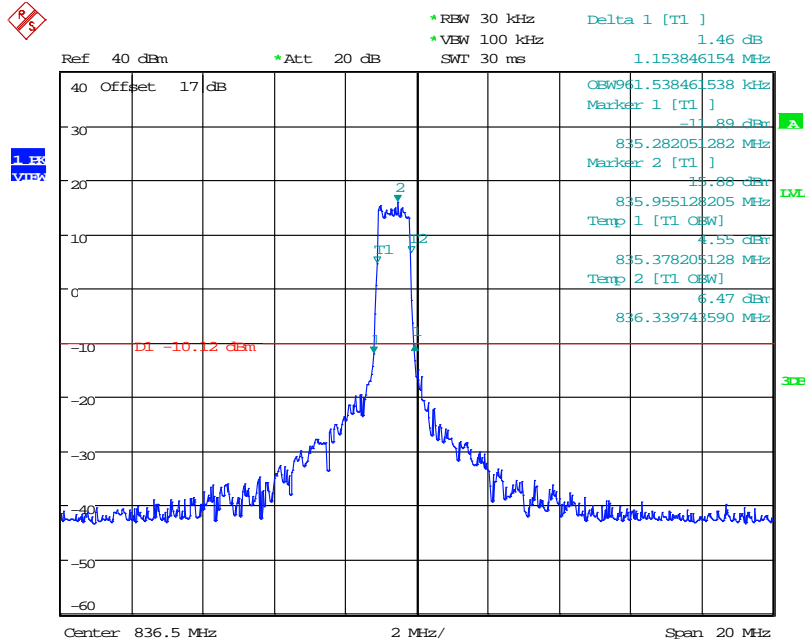
Date: 15.AUG.2024 13:17:05



Registration number: W6M22407-23644-C-247

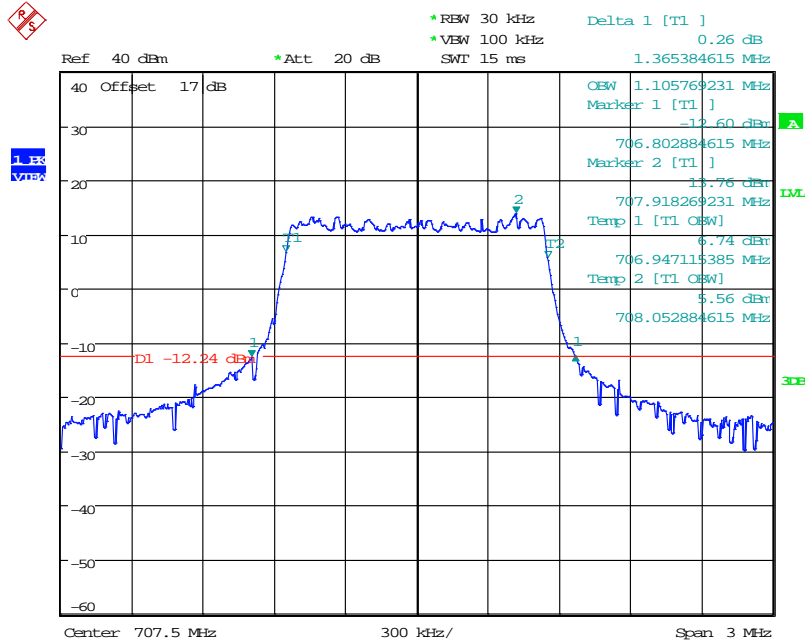
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:28:56

Band 12  
1.4 MHz  
QPSK



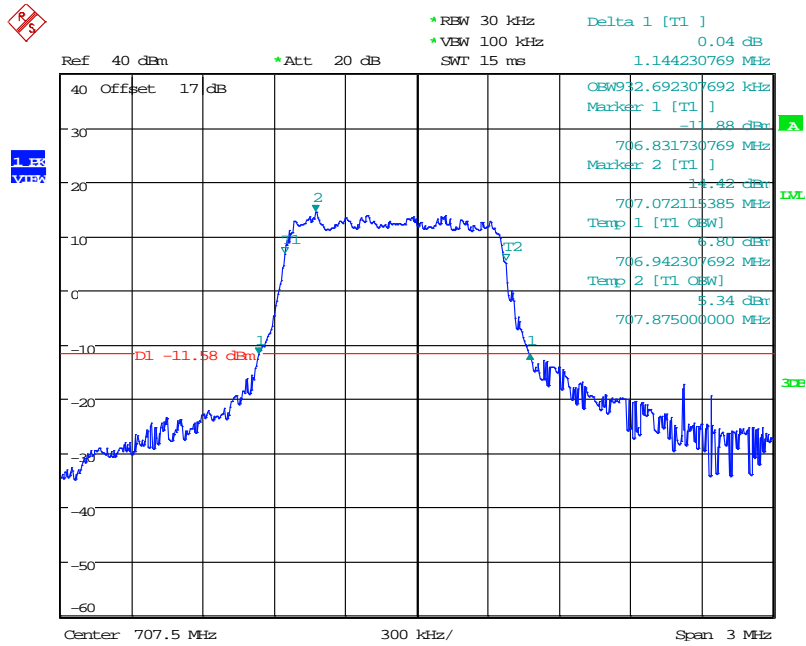
Date: 15.AUG.2024 10:26:52



Registration number: W6M22407-23644-C-247

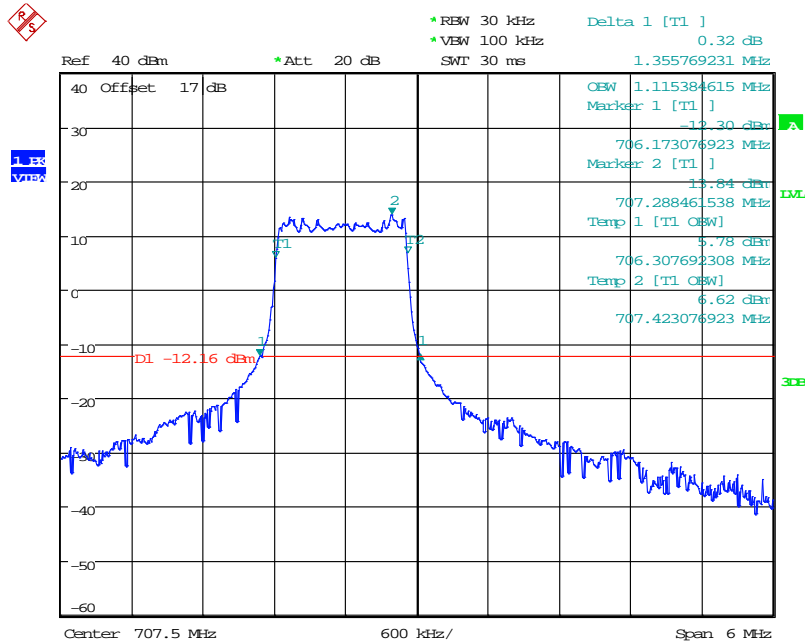
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 10:25:08

3 MHz  
QPSK



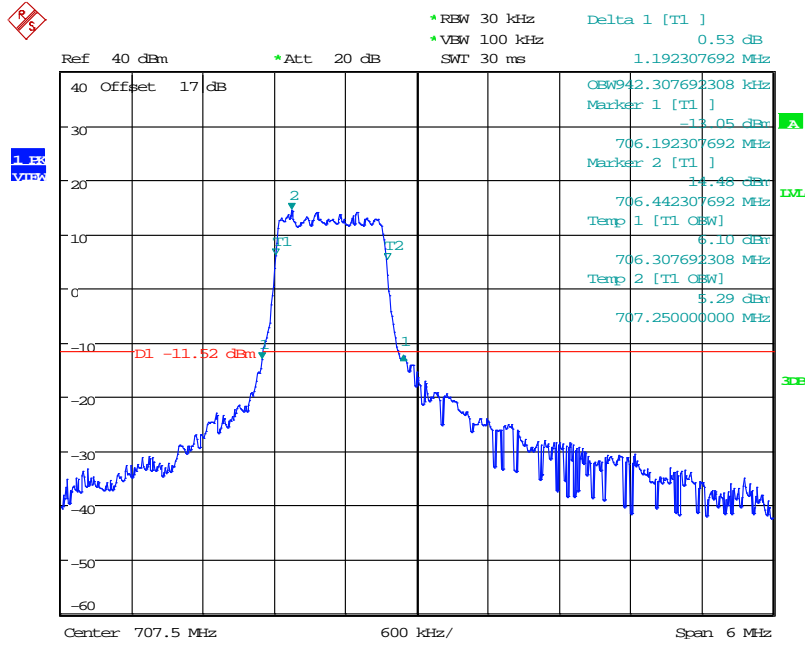
Date: 15.AUG.2024 11:13:33



Registration number: W6M22407-23644-C-247

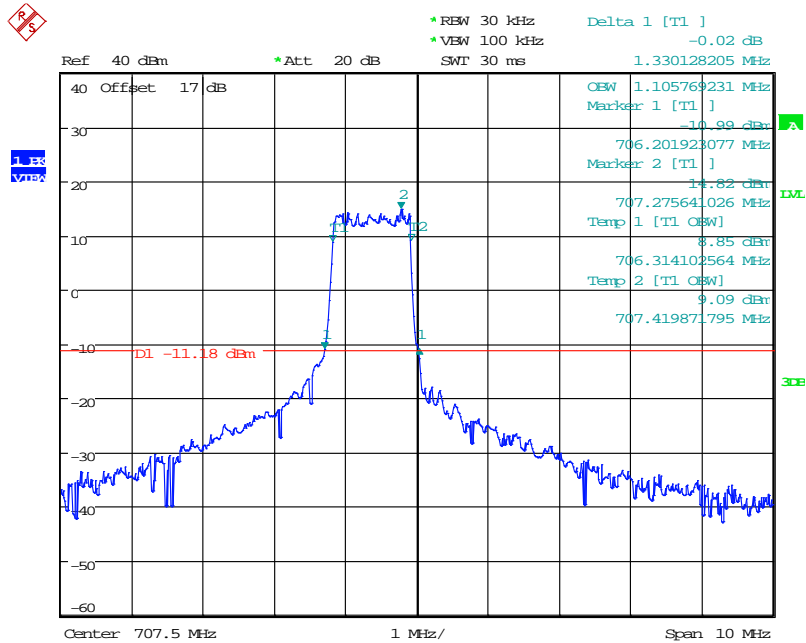
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:01:00

5 MHz  
QPSK



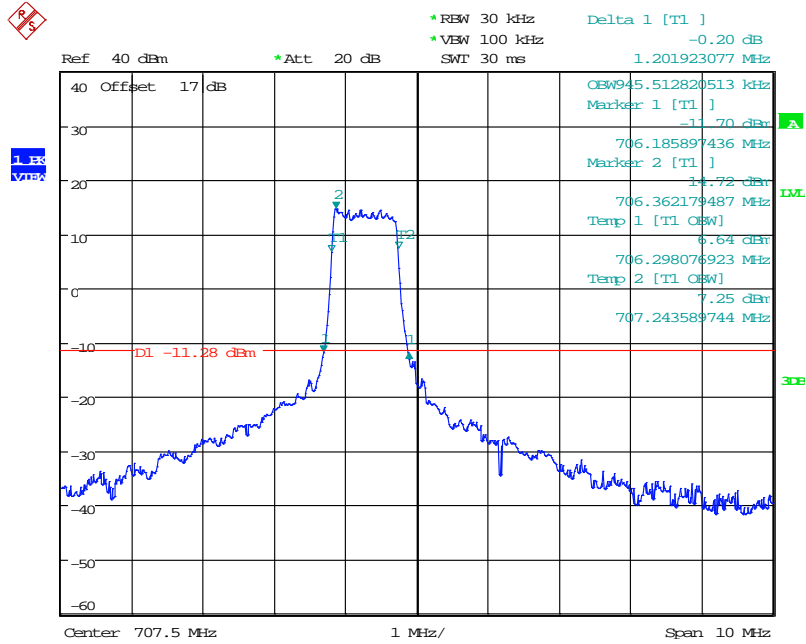
Date: 15.AUG.2024 11:29:50



Registration number: W6M22407-23644-C-247

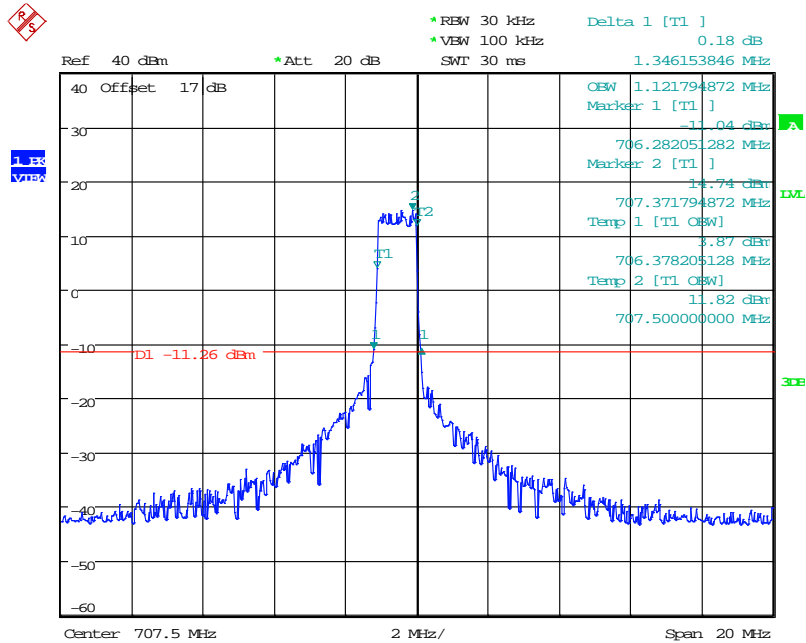
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:42:16

10 MHz  
QPSK



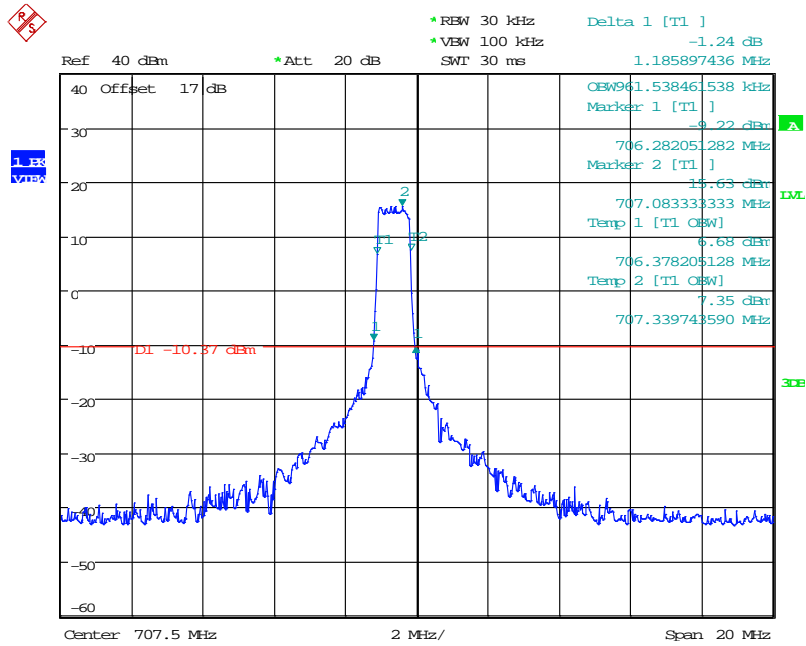
Date: 15.AUG.2024 13:13:16



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM

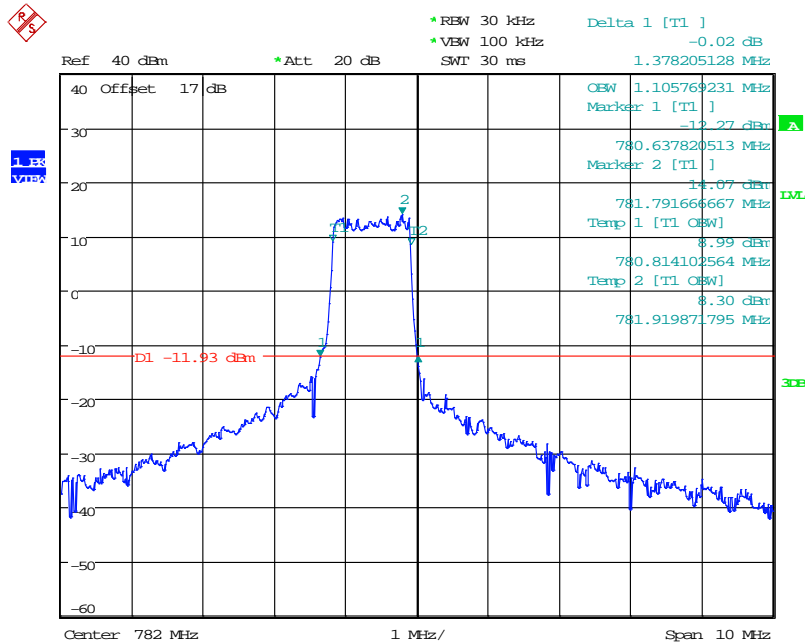


Date: 15.AUG.2024 13:36:25

Band 13

5 MHz

QPSK



Date: 15.AUG.2024 11:28:06

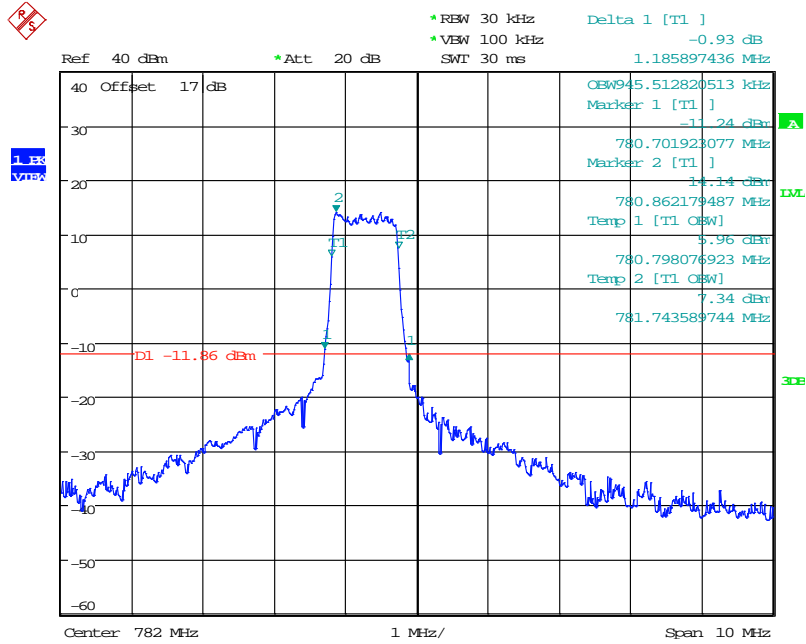




Registration number: W6M22407-23644-C-247

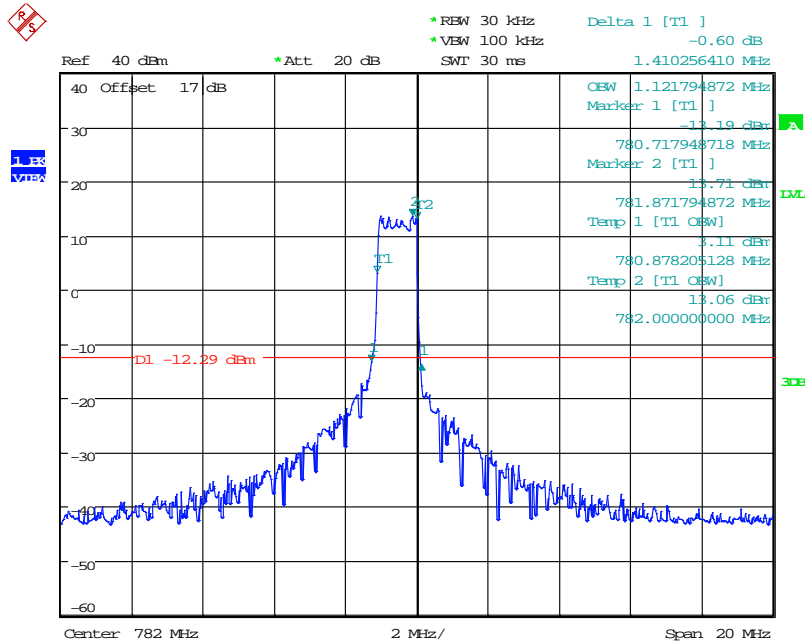
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:44:08

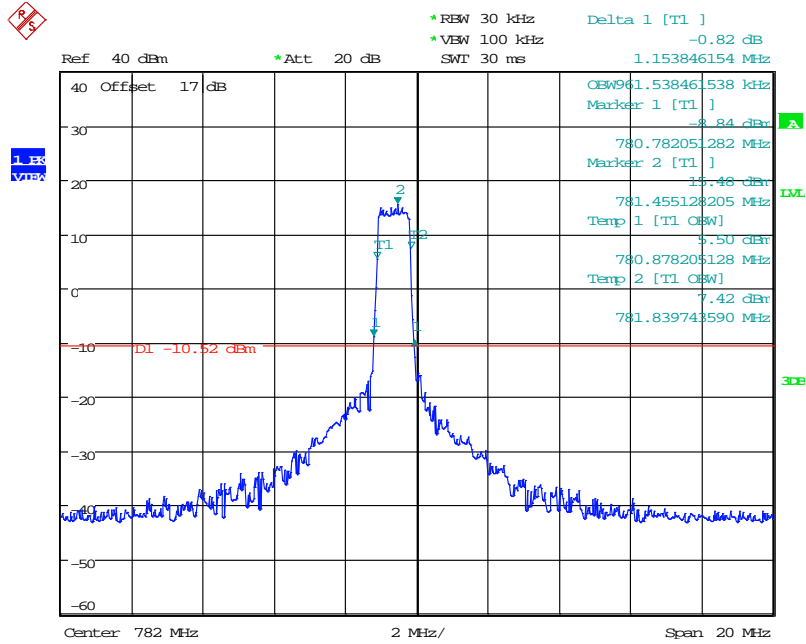
10 MHz  
QPSK



Date: 15.AUG.2024 13:11:36

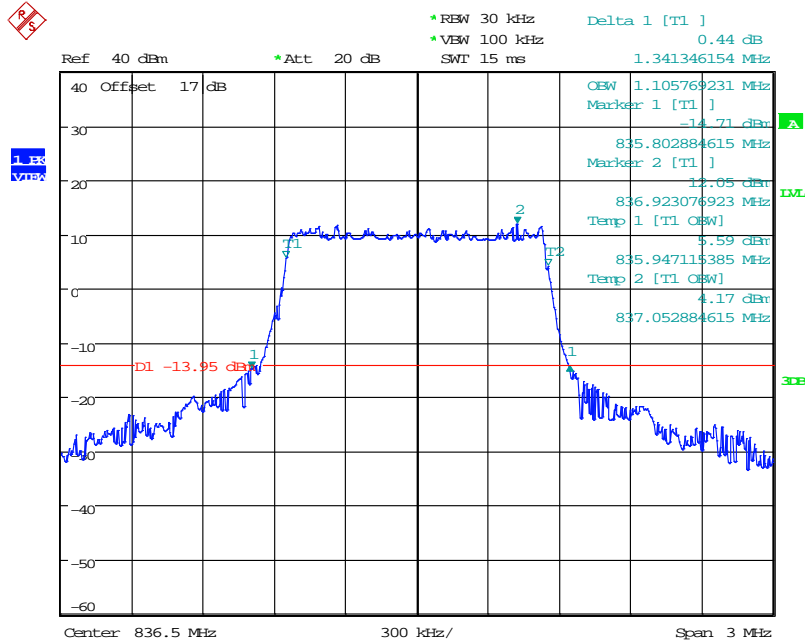


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 15.AUG.2024 13:38:50

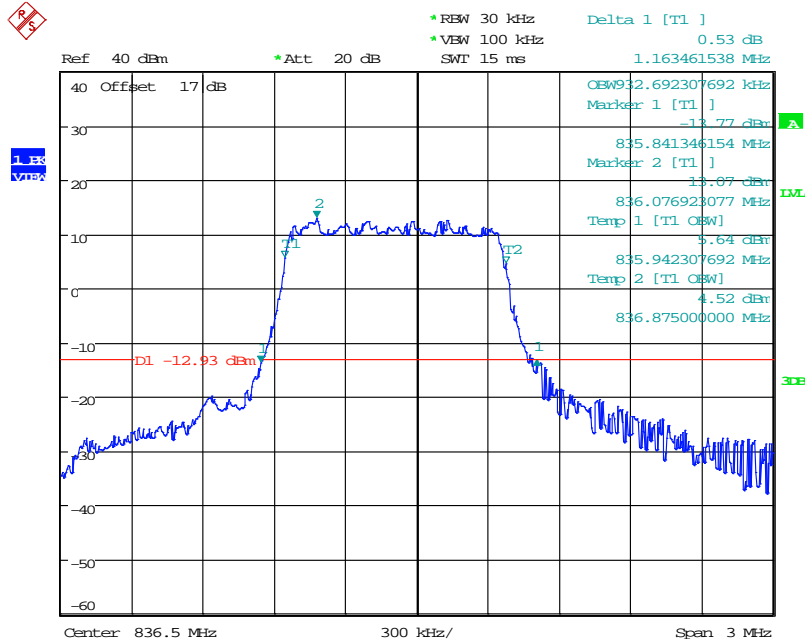
Band 26  
 1.4 MHz  
 QPSK



Date: 22.OCT.2024 14:44:22

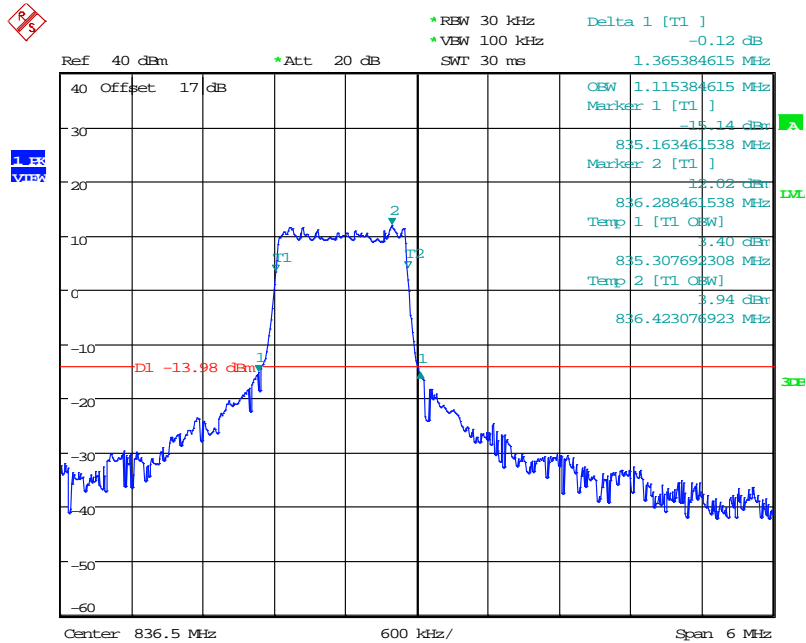


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 22.OCT.2024 14:45:55

3 MHz  
 QPSK



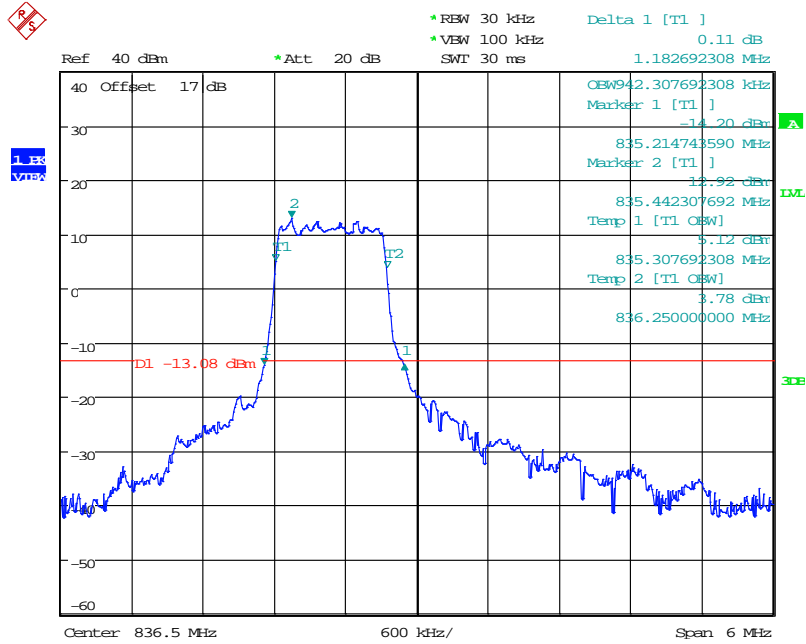
Date: 22.OCT.2024 14:56:15



Registration number: W6M22407-23644-C-247

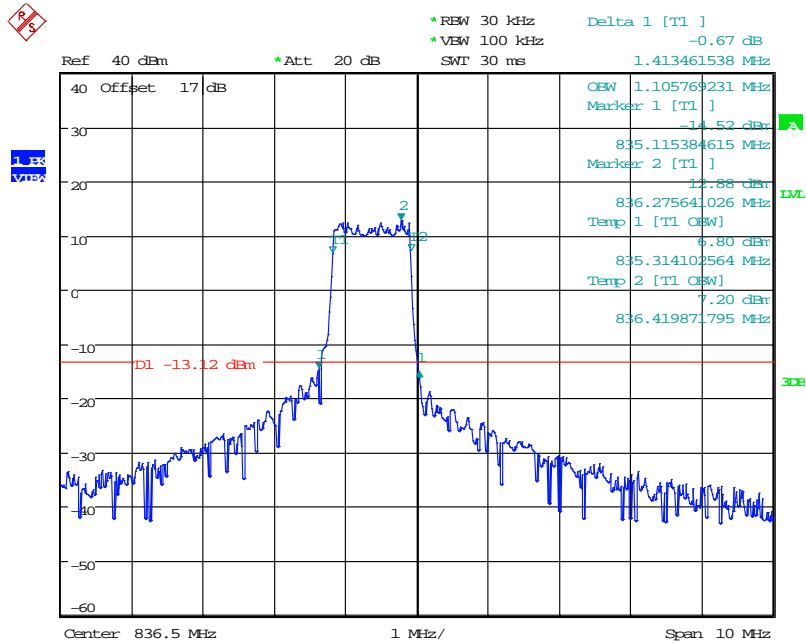
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 22.OCT.2024 15:31:41

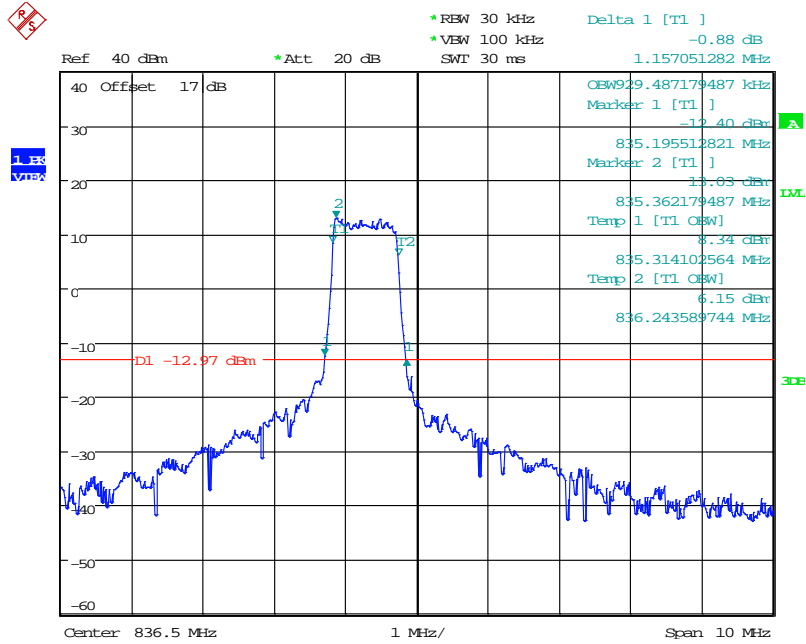
5 MHz  
QPSK



Date: 22.OCT.2024 14:58:58

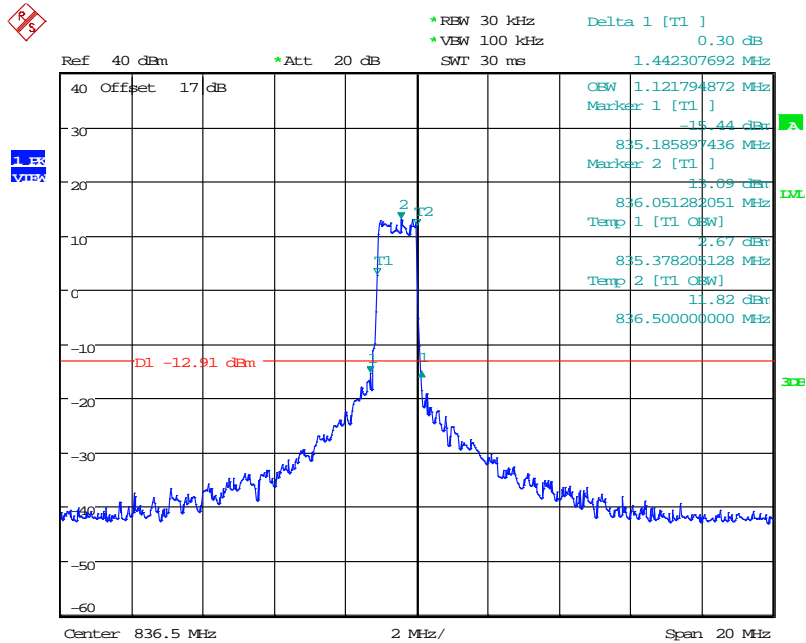


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 22.OCT.2024 15:00:45

10 MHz  
 QPSK



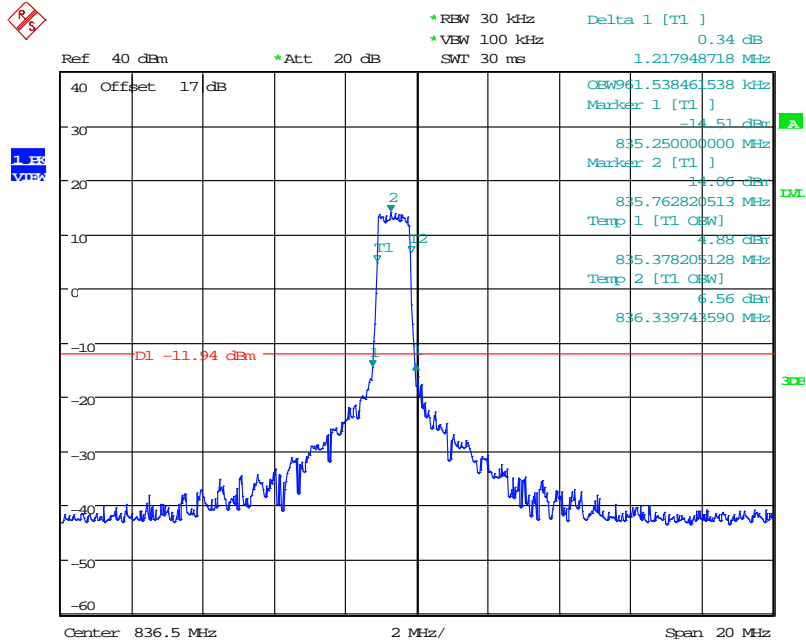
Date: 22.OCT.2024 15:17:21



Registration number: W6M22407-23644-C-247

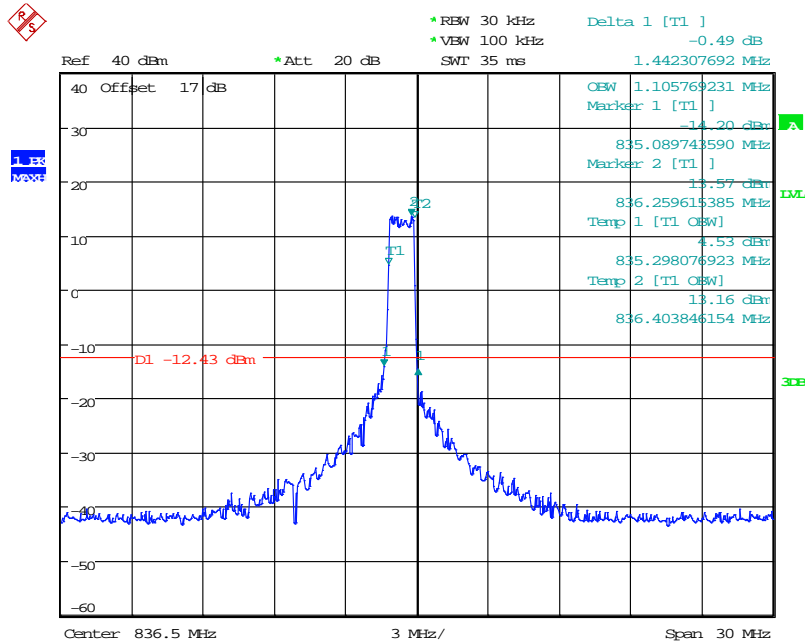
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 22.OCT.2024 15:14:55

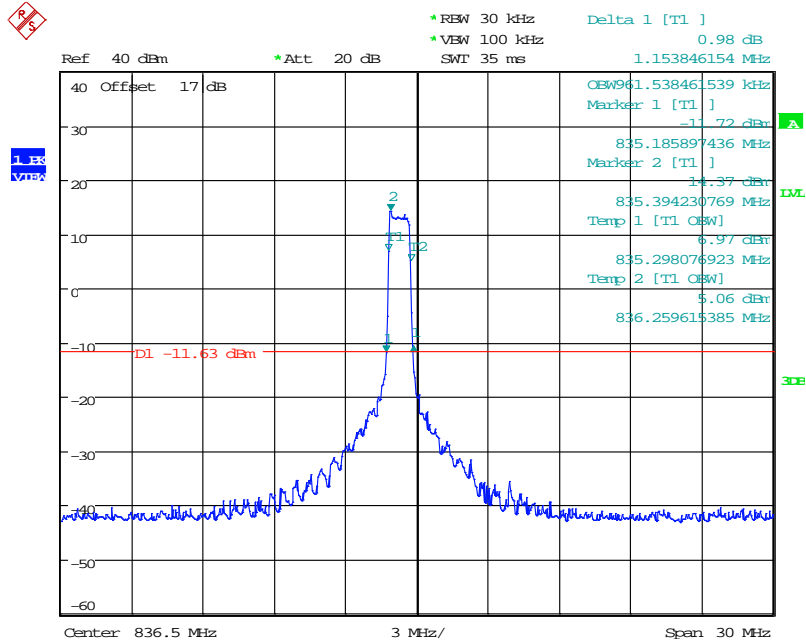
15 MHz  
QPSK



Date: 22.OCT.2024 15:20:21

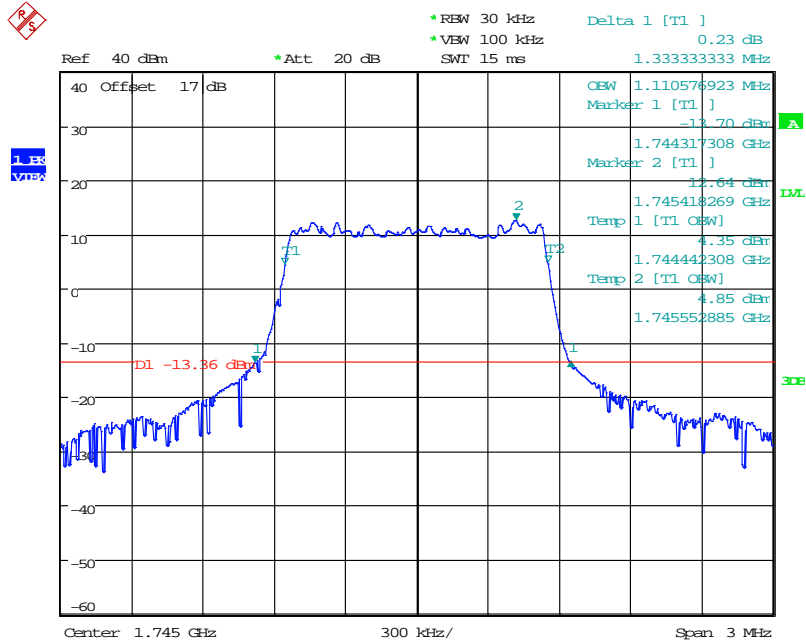


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 22.OCT.2024 15:23:10

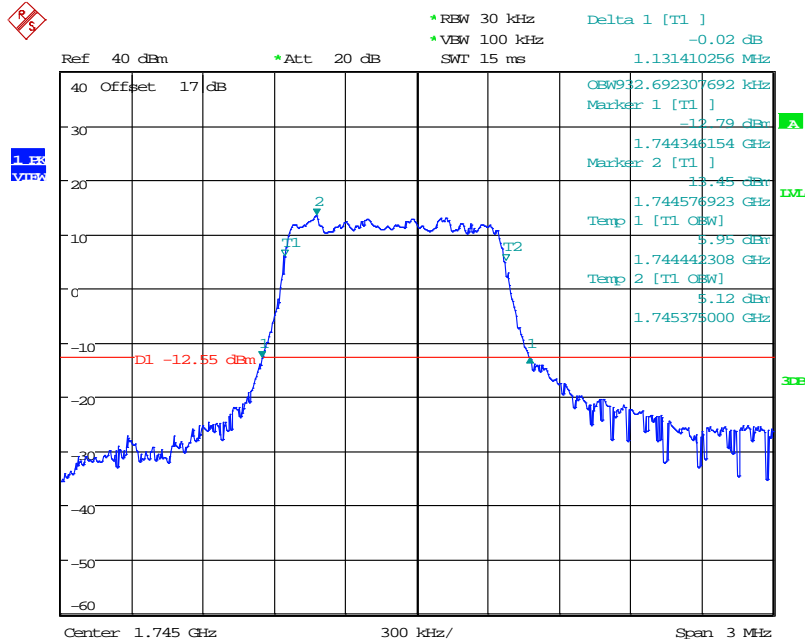
Band 66  
 1.4 MHz  
 QPSK



Date: 15.AUG.2024 12:04:29

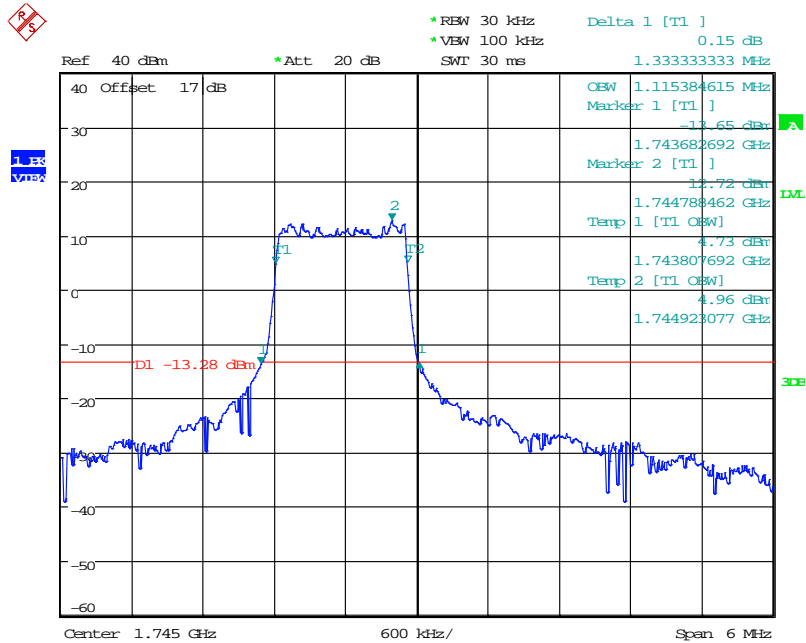


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 15.AUG.2024 12:02:53

3 MHz  
 QPSK



Date: 15.AUG.2024 11:57:51

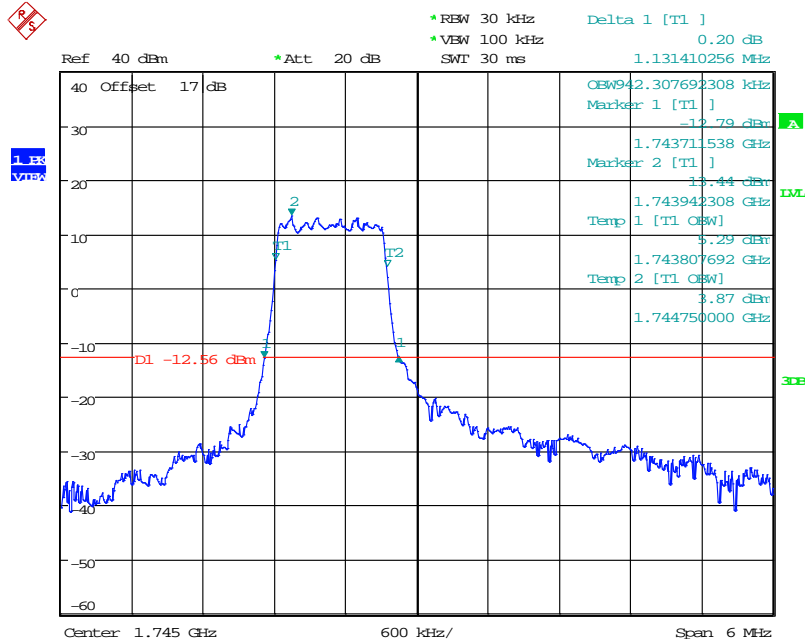




Registration number: W6M22407-23644-C-247

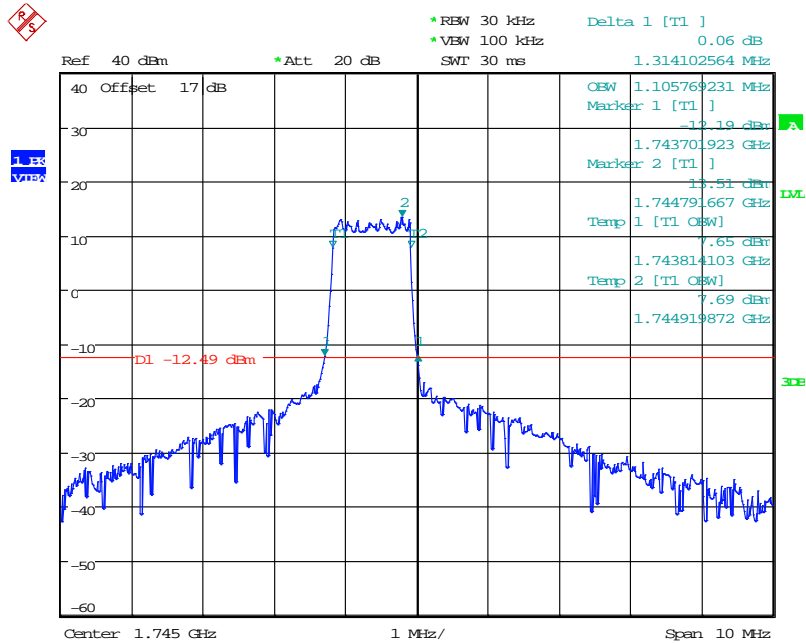
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:59:01

5 MHz  
QPSK



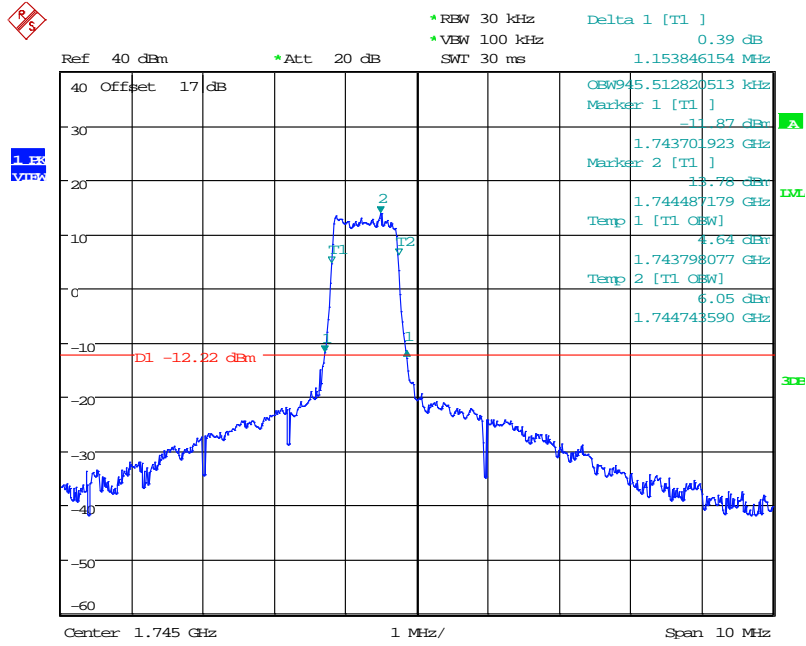
Date: 15.AUG.2024 11:55:37



Registration number: W6M22407-23644-C-247

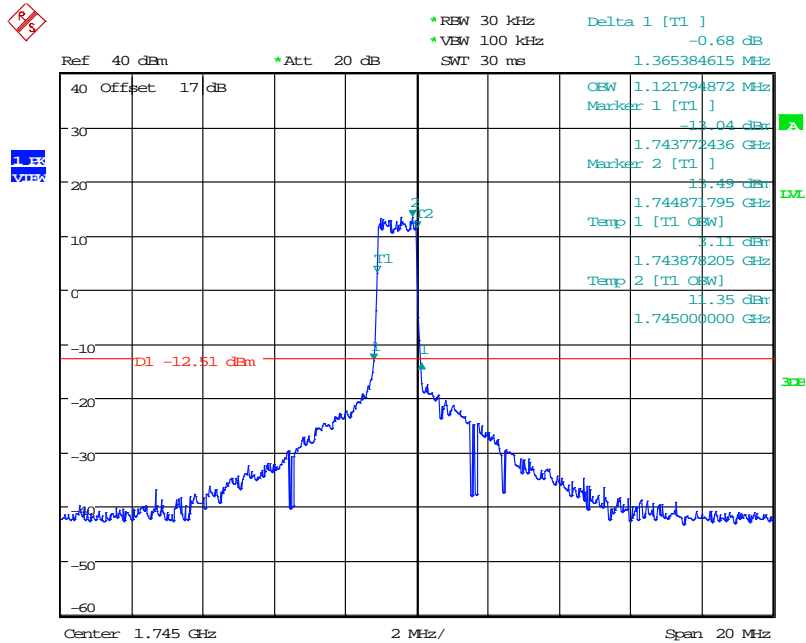
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 11:50:33

10 MHz  
QPSK



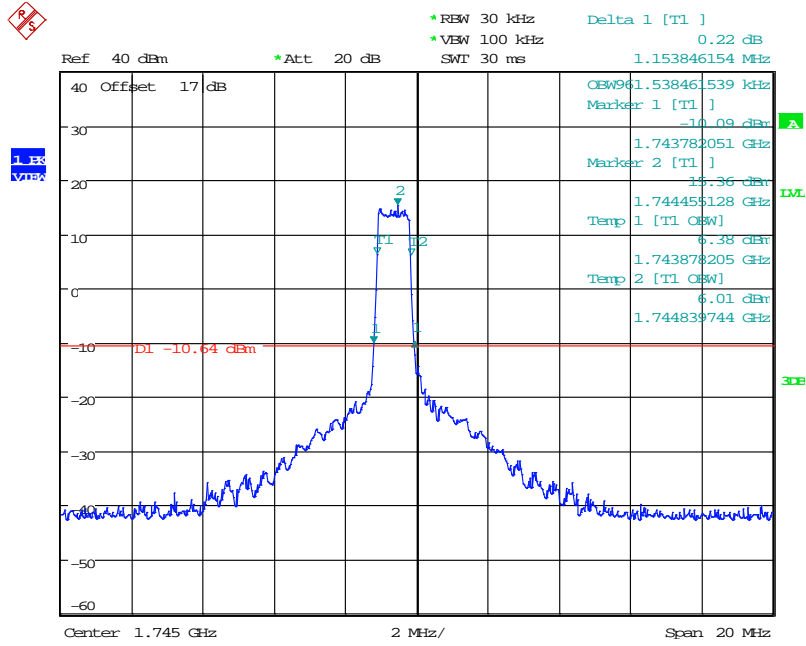
Date: 15.AUG.2024 13:07:09



Registration number: W6M22407-23644-C-247

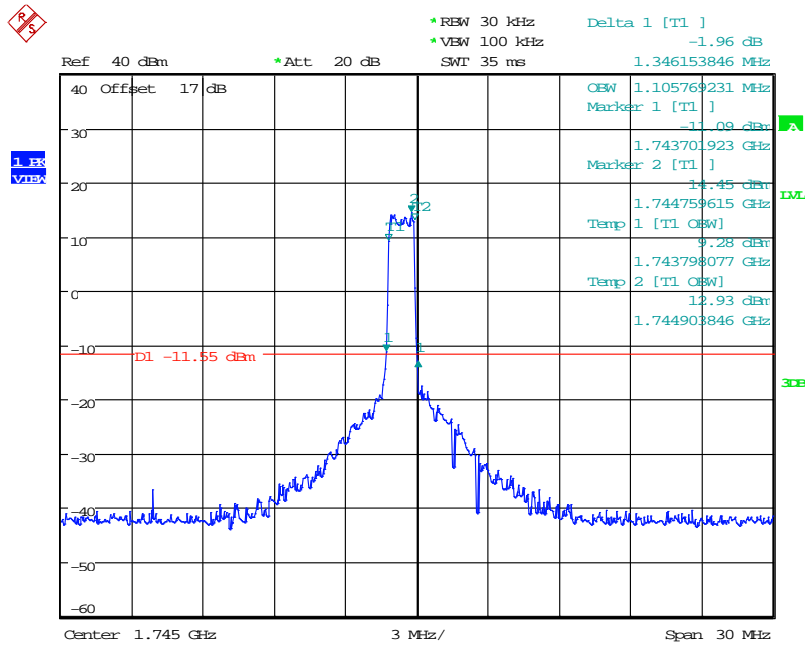
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:43:14

15 MHz  
QPSK



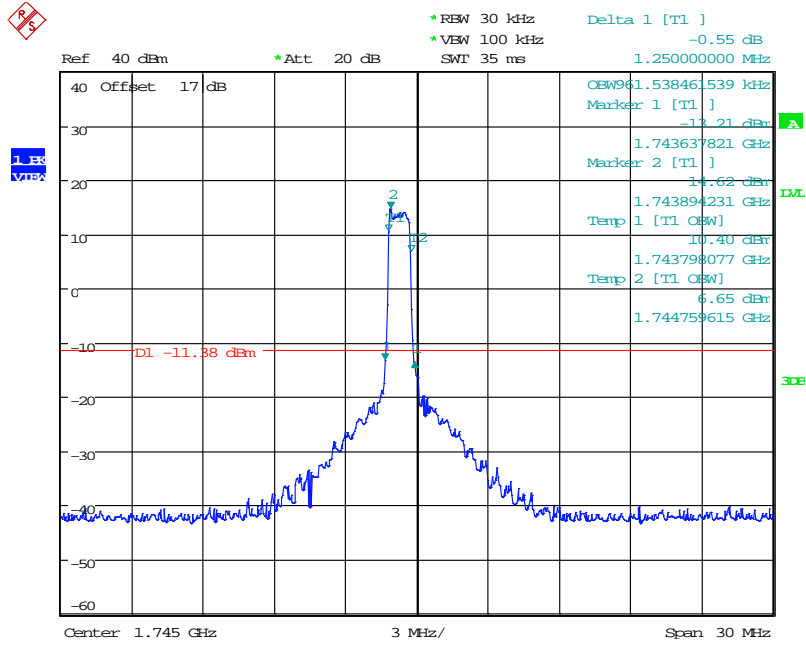
Date: 15.AUG.2024 14:03:15



Registration number: W6M22407-23644-C-247

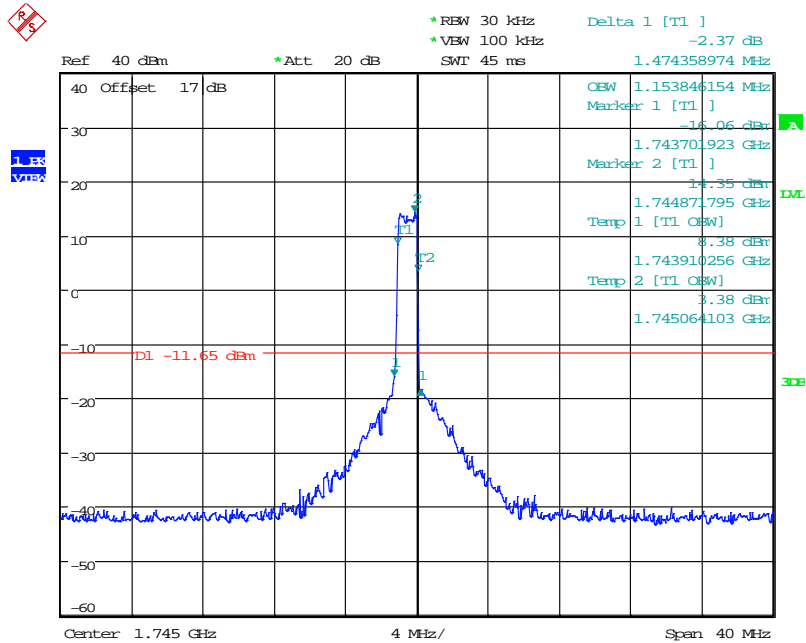
FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 15.AUG.2024 13:48:53

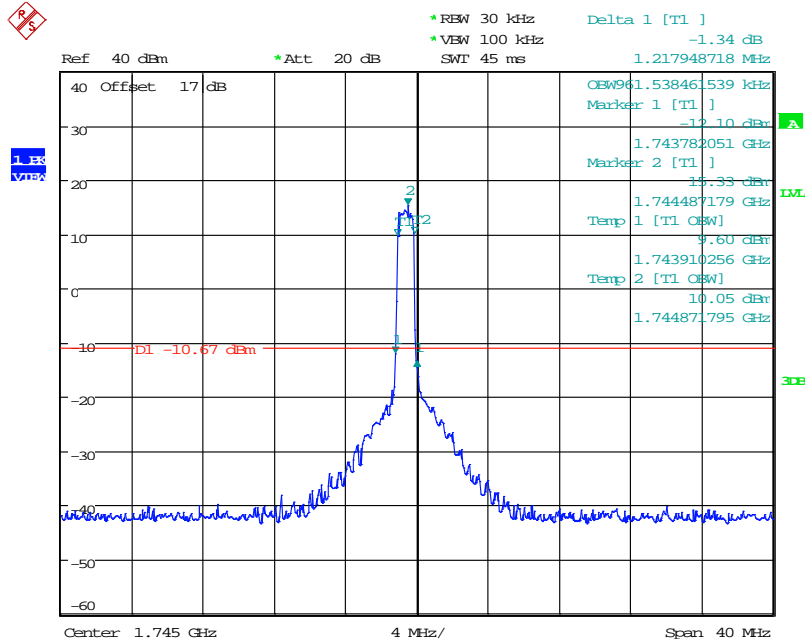
20 MHz  
QPSK



Date: 15.AUG.2024 14:08:51

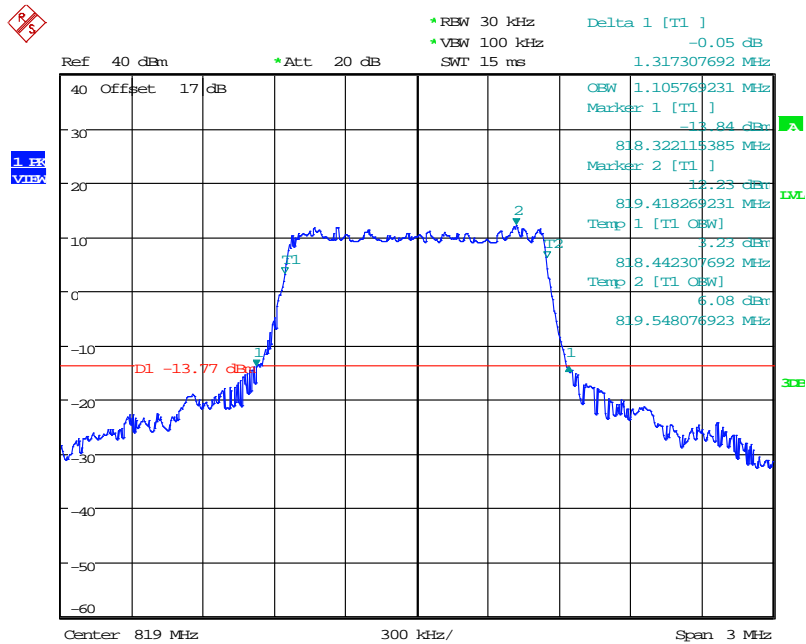


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 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 15.AUG.2024 14:18:50

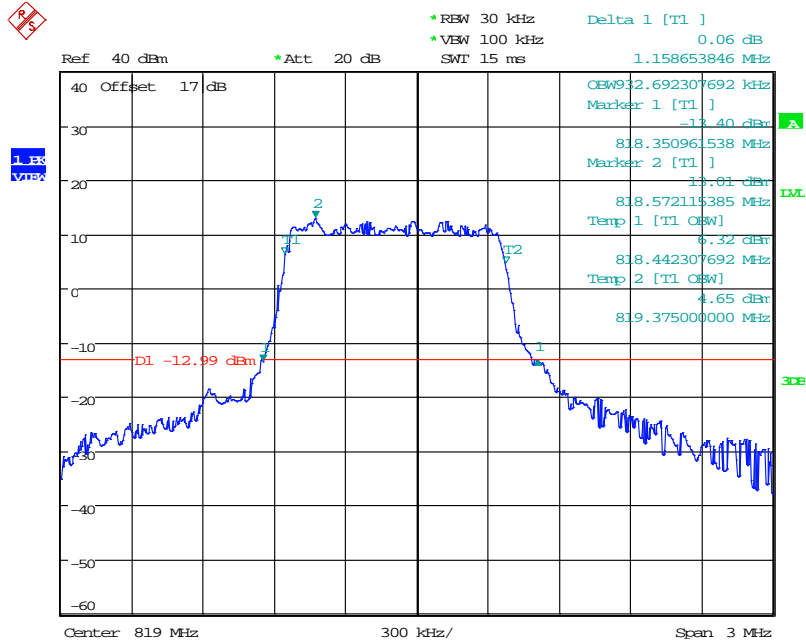
Part 90  
 Band 26  
 1.4 MHz  
 QPSK



Date: 22.OCT.2024 14:49:31

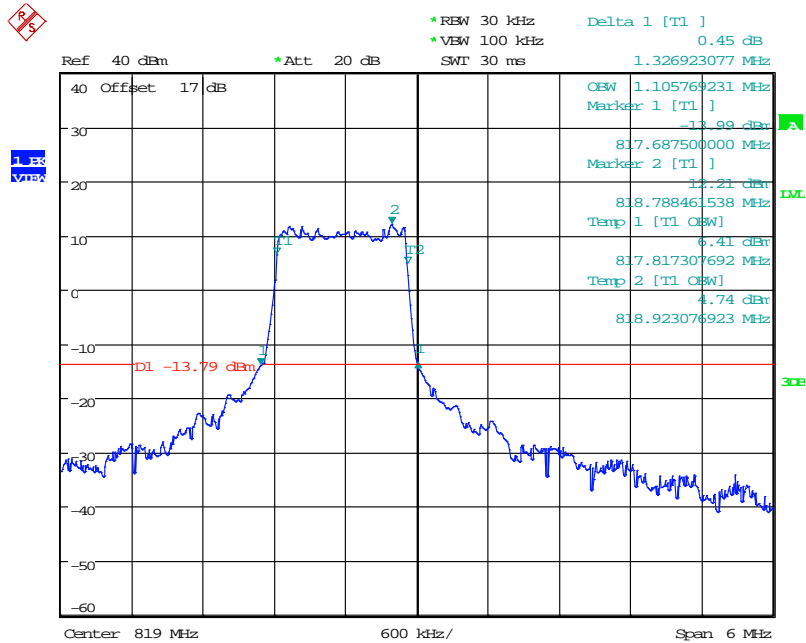


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 22.OCT.2024 14:48:20

3 MHz  
 QPSK



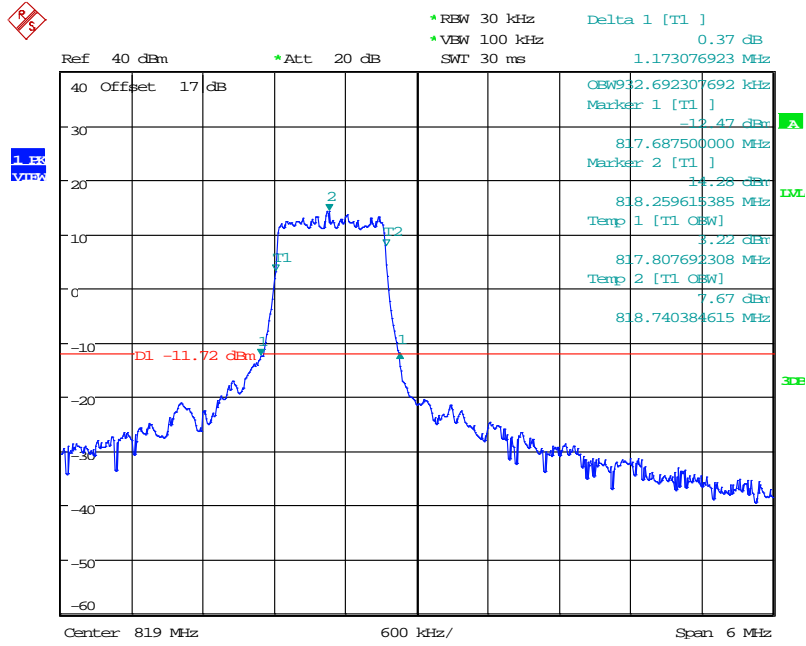
Date: 22.OCT.2024 14:52:58



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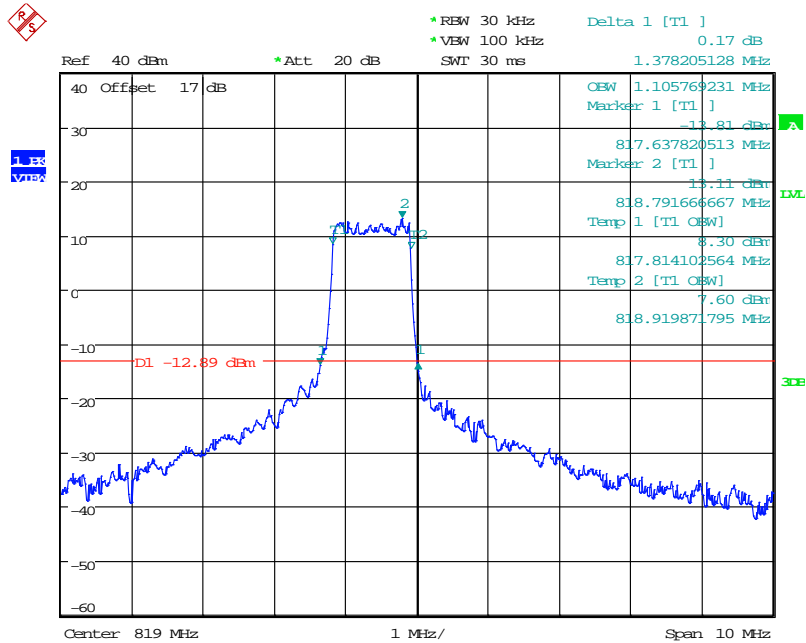
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16QAM



Date: 22.OCT.2024 14:54:07

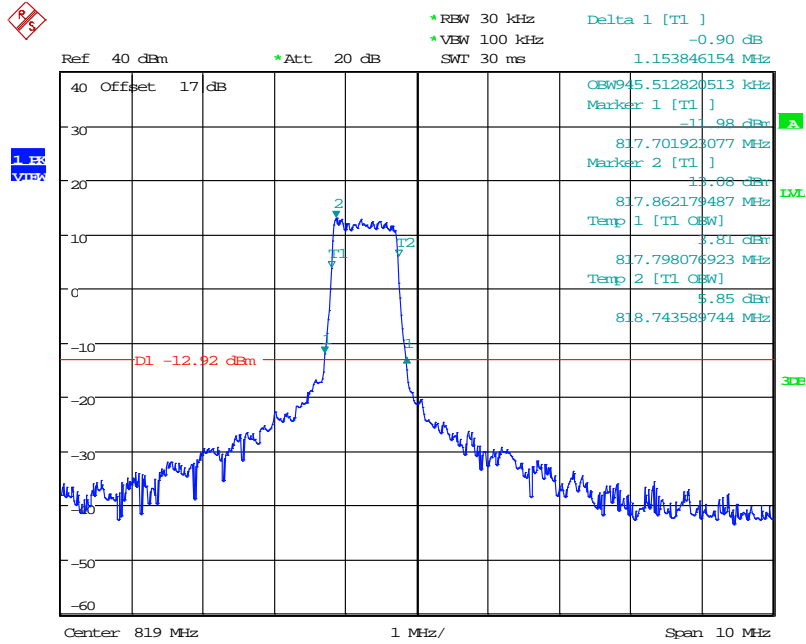
5 MHz  
QPSK



Date: 22.OCT.2024 15:06:28

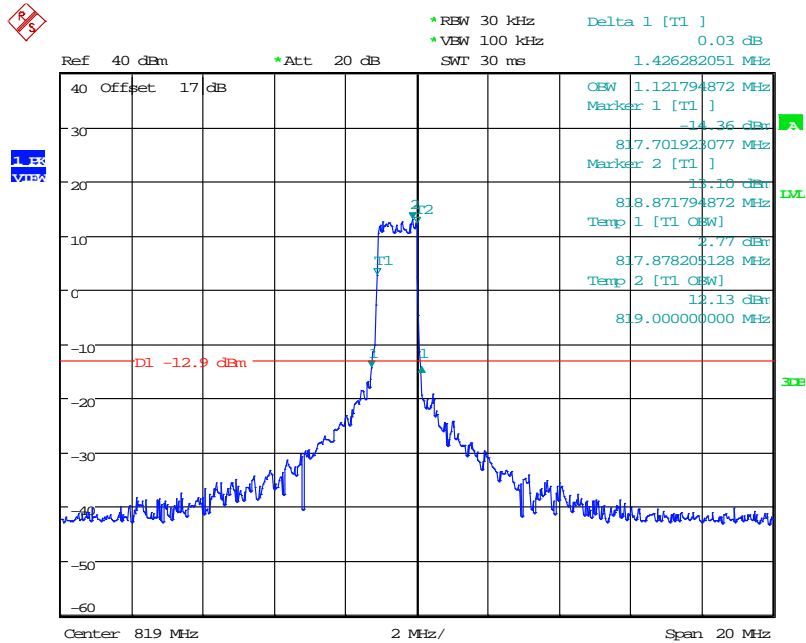


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB  
 16QAM



Date: 22.OCT.2024 15:04:52

10 MHz  
 QPSK



Date: 22.OCT.2024 15:11:43

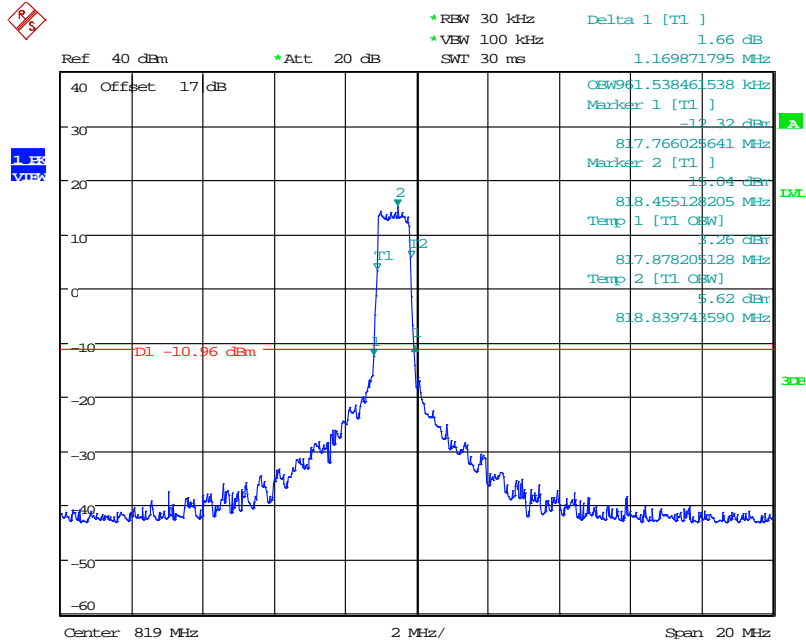




Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

16QAM



Date: 22.OCT.2024 15:13:04



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

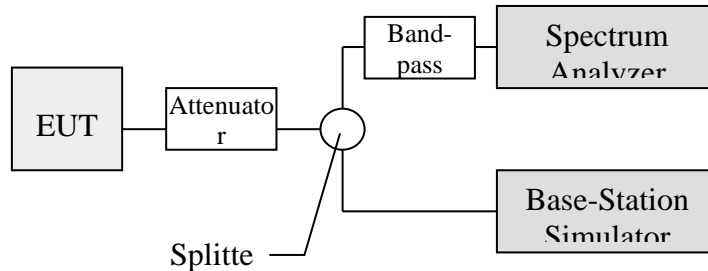
**7 Spurious Emissions at Antenna Terminals**

**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.



**7.2 Test Results**

Test date: August 16, 2024-October 22, 2024

Temperature: 24.8 °C

Humidity: 55.3 %

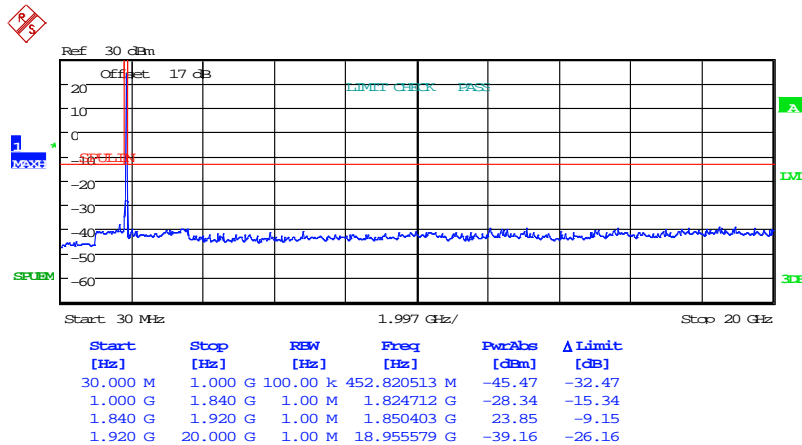
Tester: Sora

Part 2/22/24/27

Band 2

1.4 MHz

QPSK

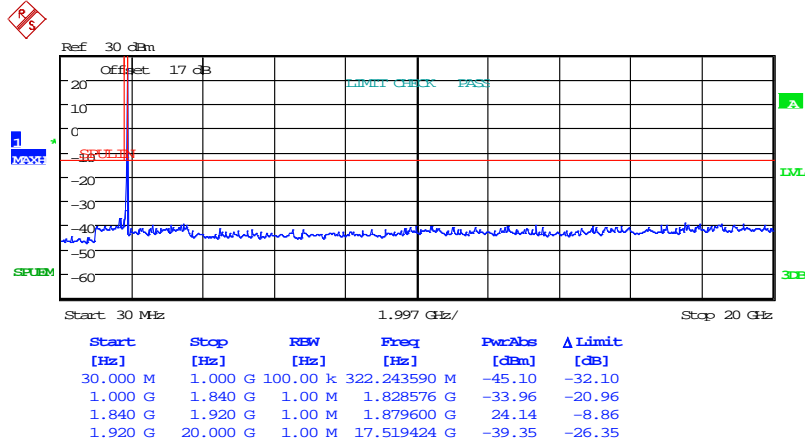


Date: 16.AUG.2024 15:33:37

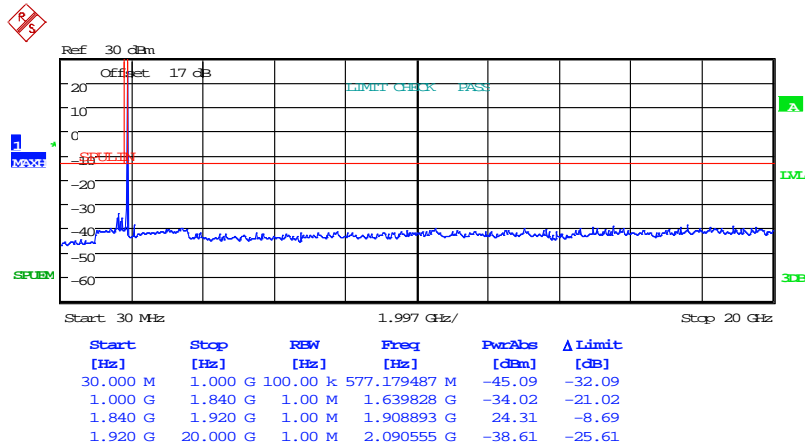


Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 15:34:36



Date: 16.AUG.2024 15:35:39



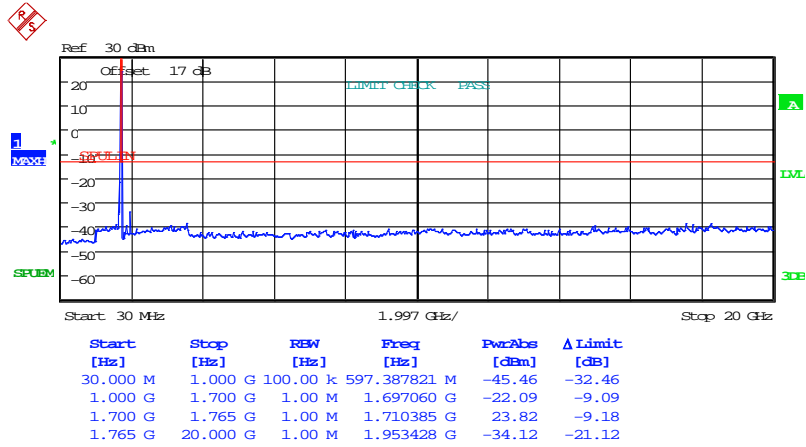
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

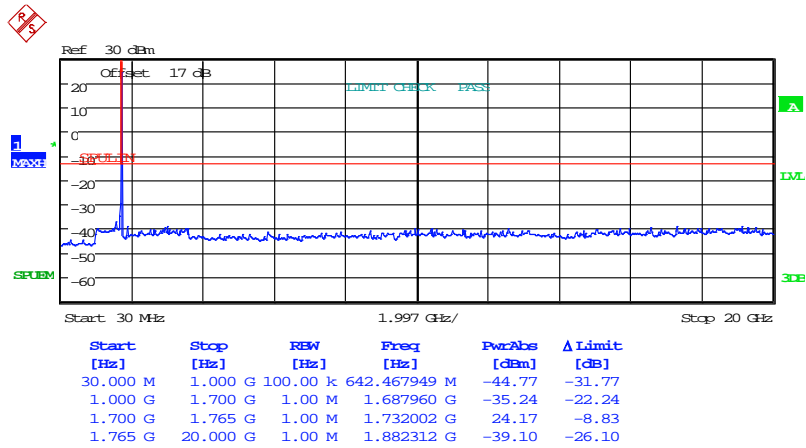
Band 4

1.4 MHz

QPSK



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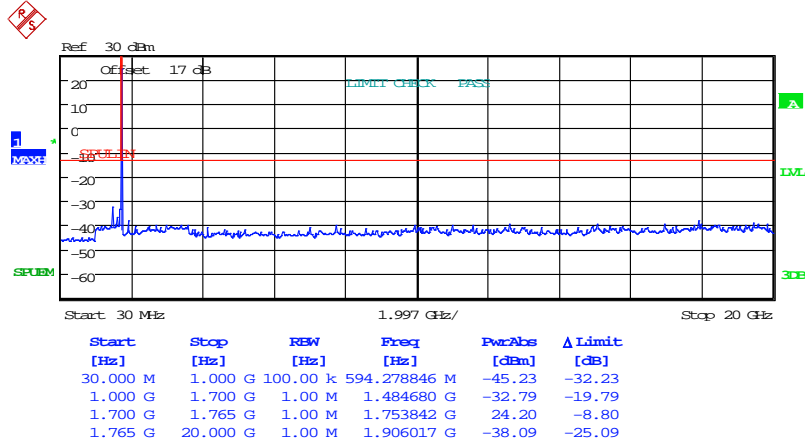


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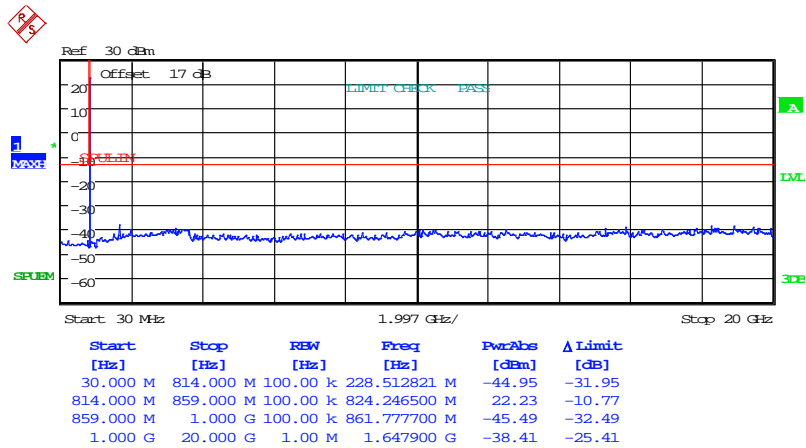
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 15:47:26

Band 5  
1.4 MHz  
QPSK

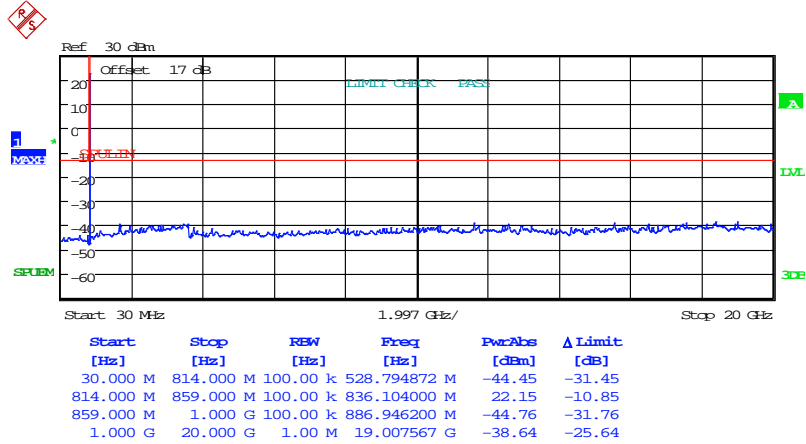


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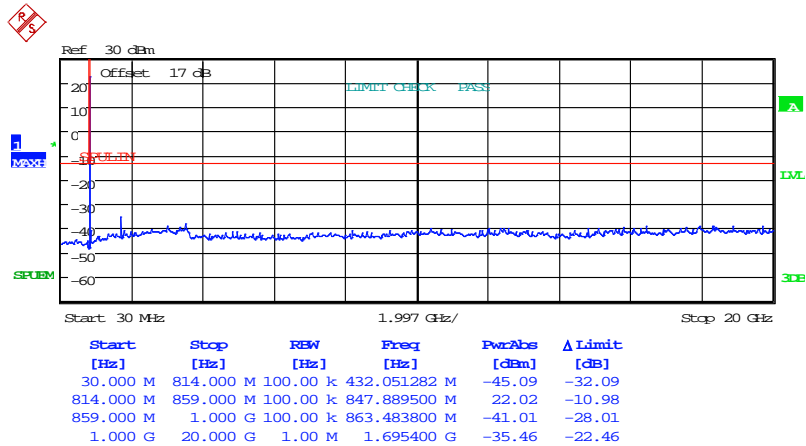


Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 15:59:45



Date: 16.AUG.2024 16:00:39



# Worldwide Testing Services(Taiwan) Co., Ltd.

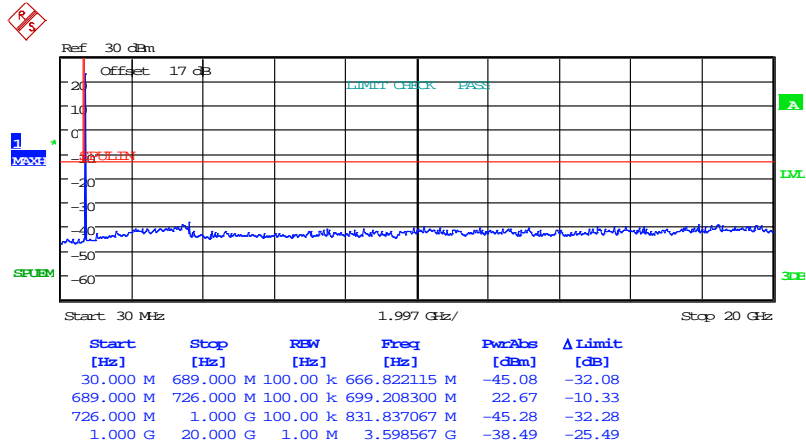
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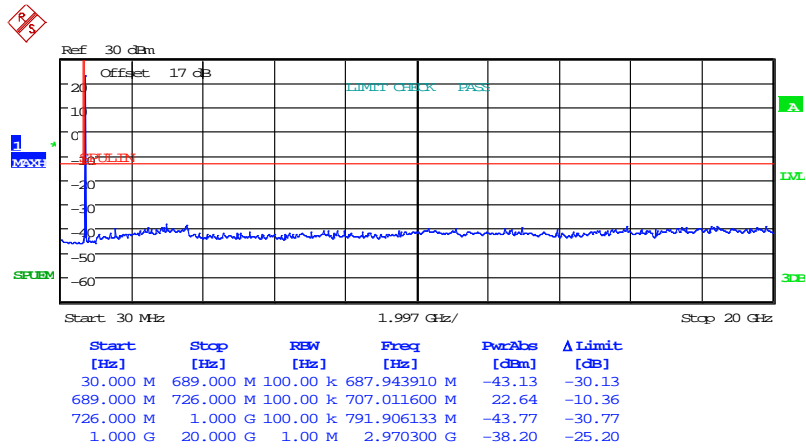
Band 12

1.4 MHz

QPSK



Date: 16.AUG.2024 16:06:39

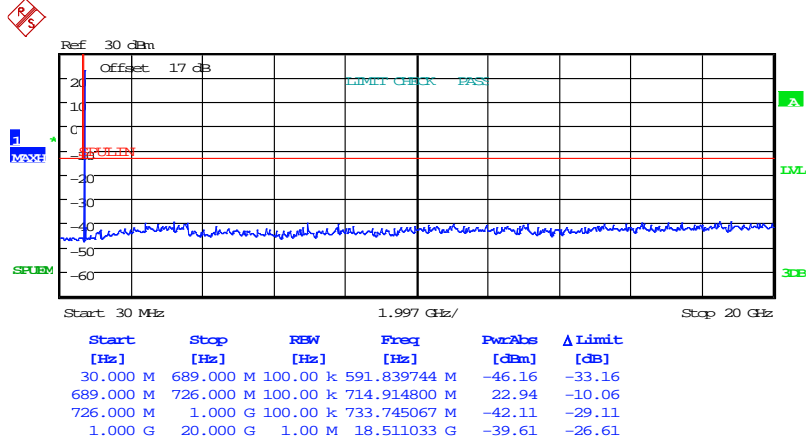


Date: 16.AUG.2024 16:05:31



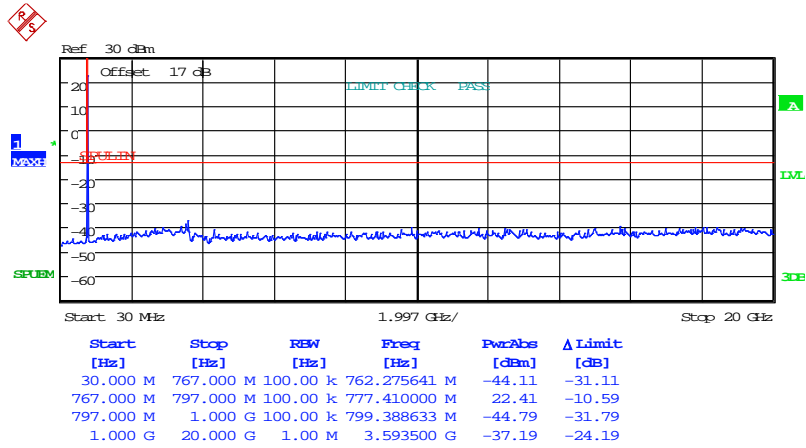
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 16:10:28

Band 13  
5 MHz  
QPSK



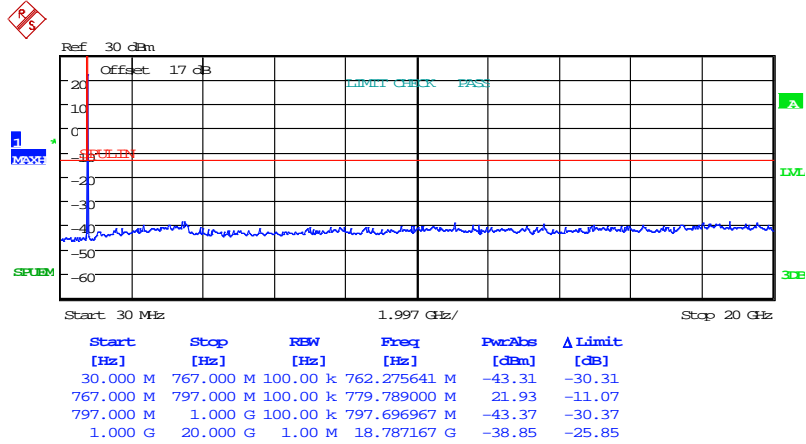
Date: 16.AUG.2024 16:35:38



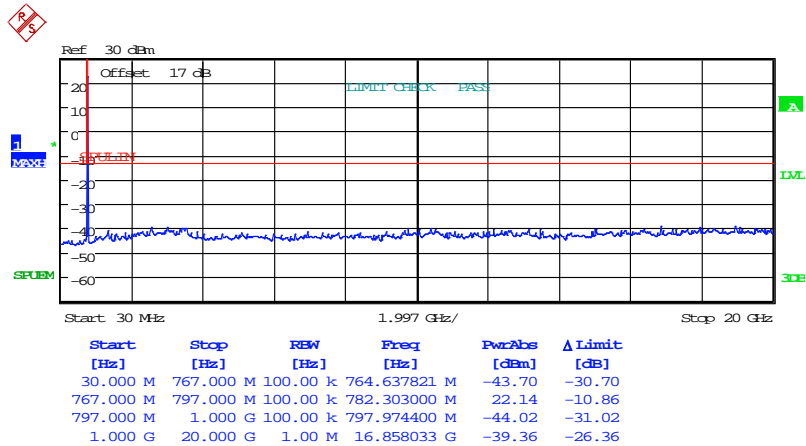


Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 16:34:26



Date: 16.AUG.2024 16:36:19



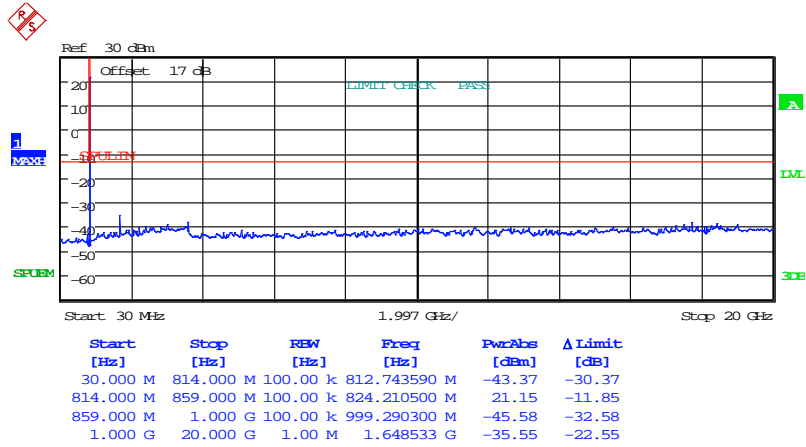
Registration number: W6M22407-23644-C-247

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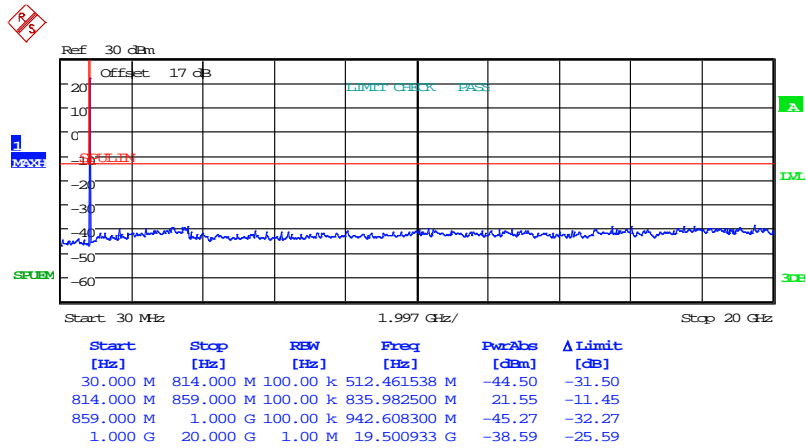
Band 26

1.4 MHz

QPSK



Date: 22.OCT.2024 15:45:48

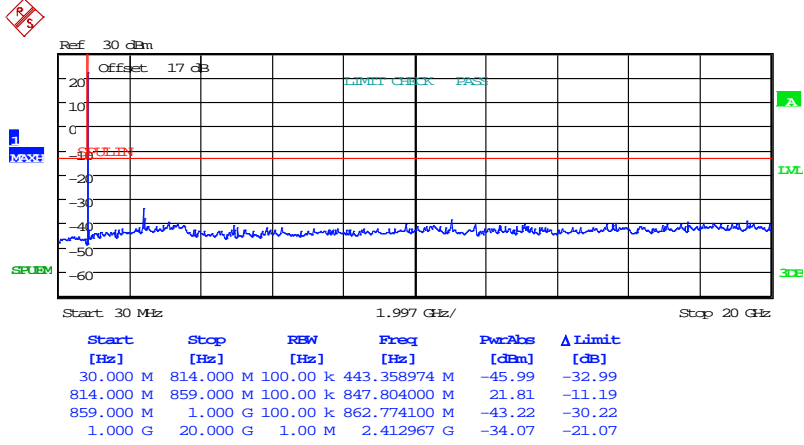


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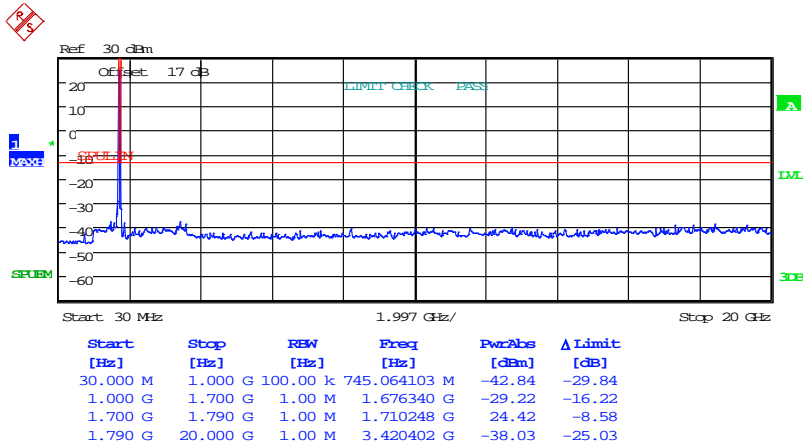
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 22.OCT.2024 15:48:38

Band 66  
1.4 MHz  
QPSK

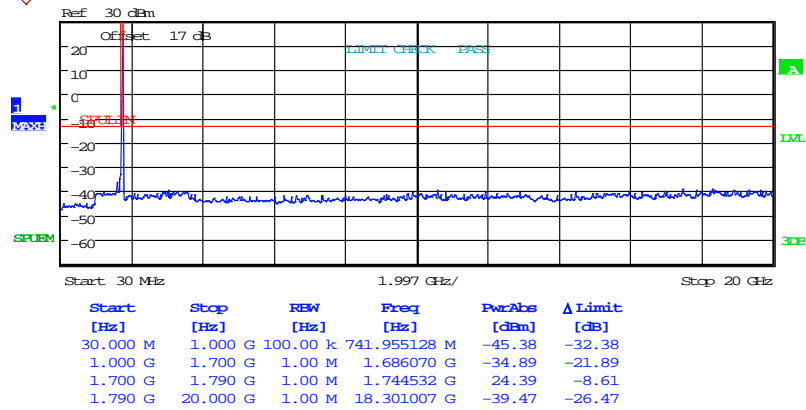


Date: 16.AUG.2024 16:20:54

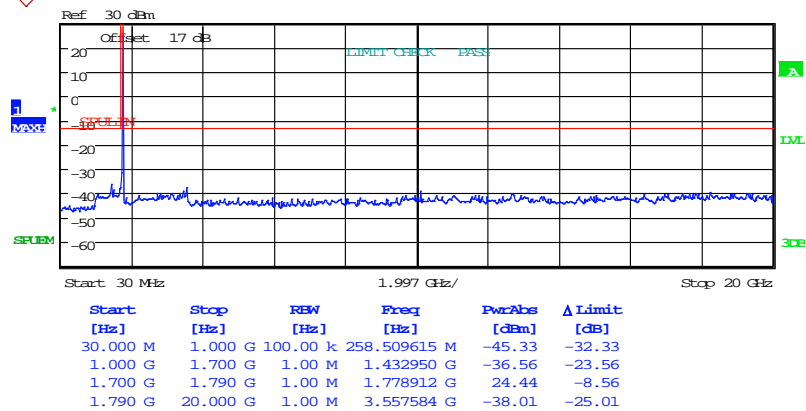


Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 16:19:29



Date: 16.AUG.2024 16:22:22



Registration number: W6M22407-23644-C-247

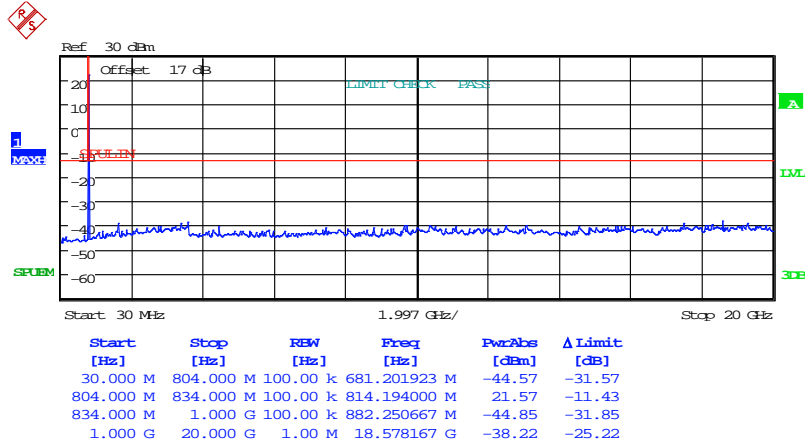
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Part 90

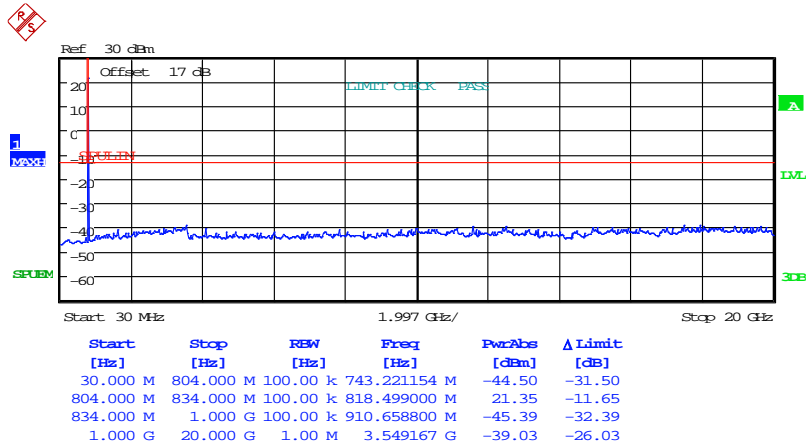
Band 26

1.4 MHz

QPSK



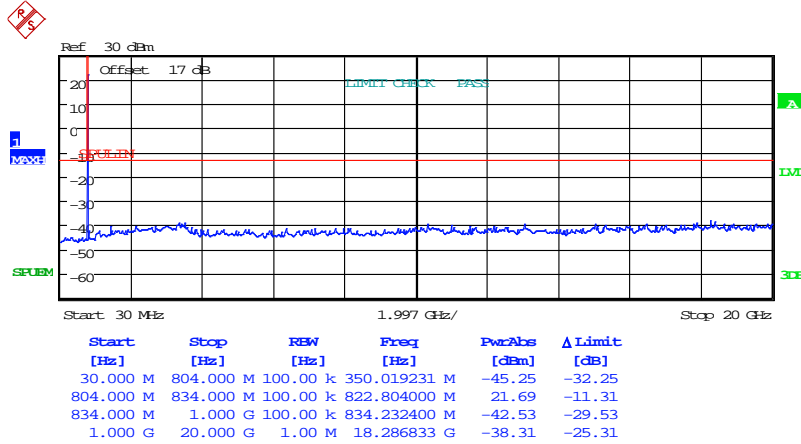
Date: 22.OCT.2024 15:49:50



Date: 22.OCT.2024 15:51:01



Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 22.OCT.2024 15:53:52

### 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: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

**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: HSGWx-xxxxx-xxxxx Date: \_\_\_\_\_  
 Series(x=0~9, A~Z or blank)  
 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 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:  $L=P-A=-13dBm$



Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB

**8.5 Test result of band edge emissions**

Test date: August 15, 2024-October 23, 2024

Temperature: 24.0 °C

Humidity: 58.7 %

Tester: Sora

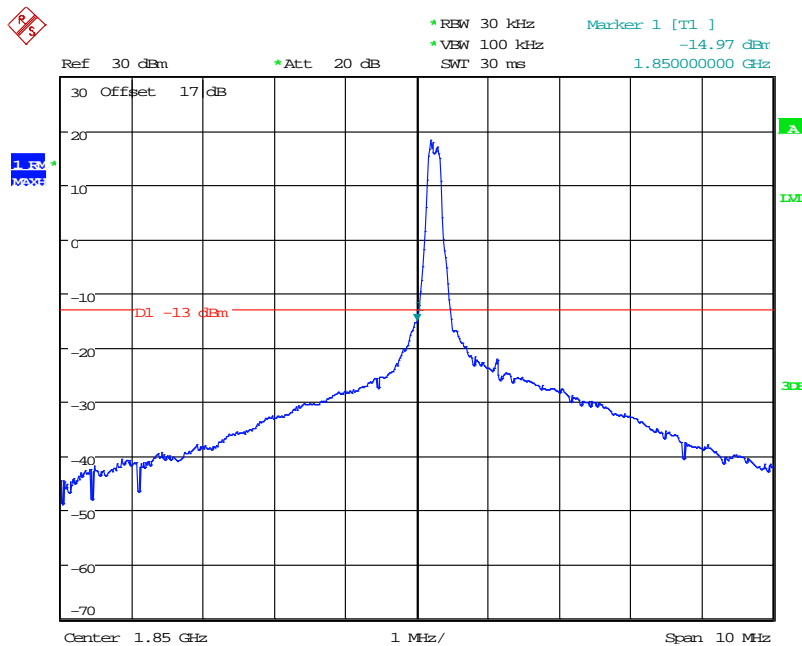
Part 2/22/24/27

Band 2

1.4 MHz

QPSK

1RB



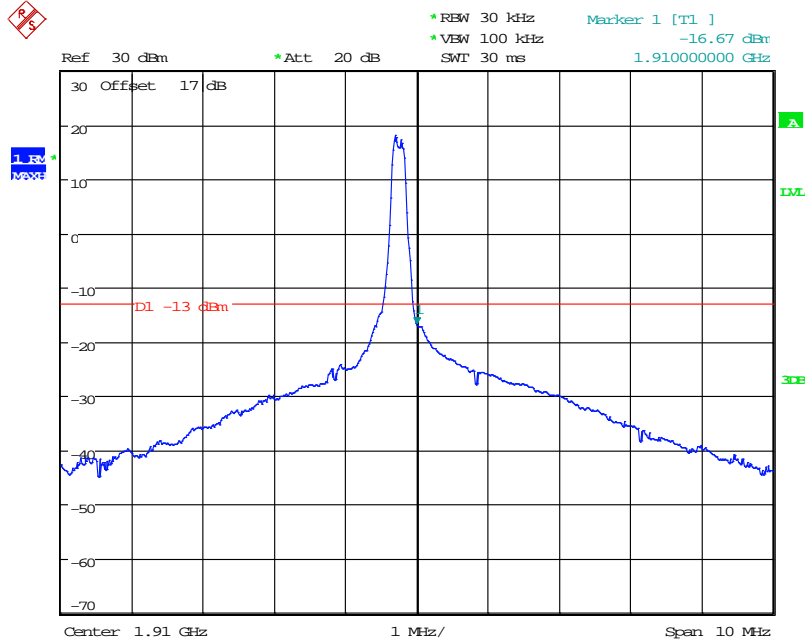
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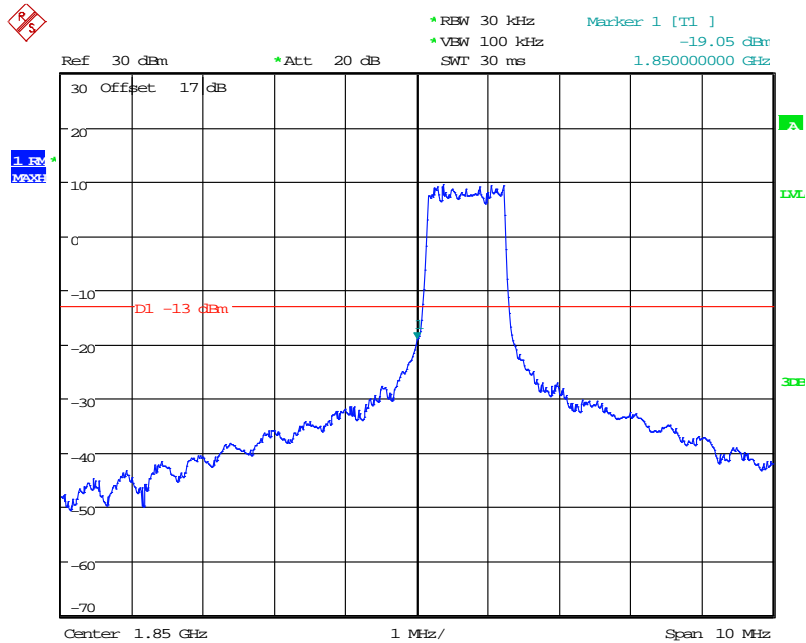
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:56:29

FRB

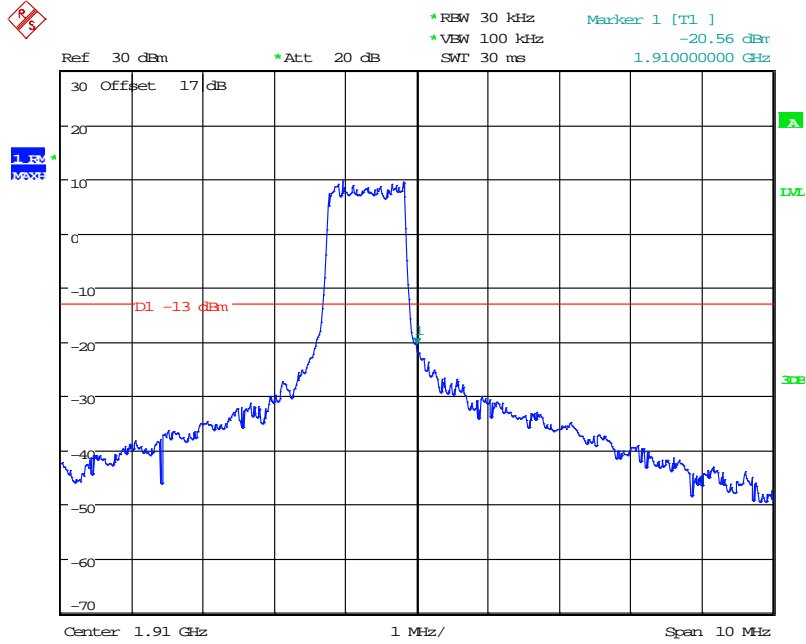


Date: 16.AUG.2024 15:06:51



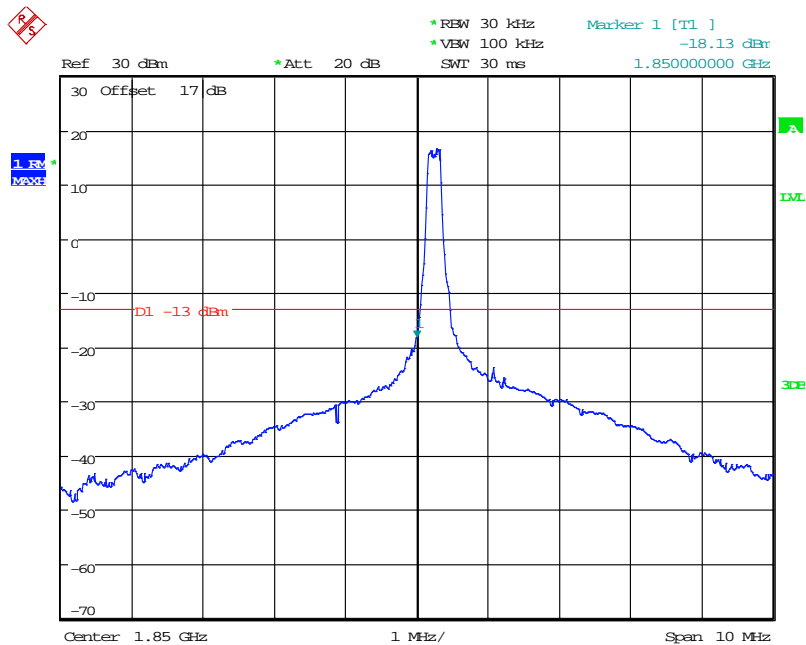
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:54:03

16QAM  
1RB

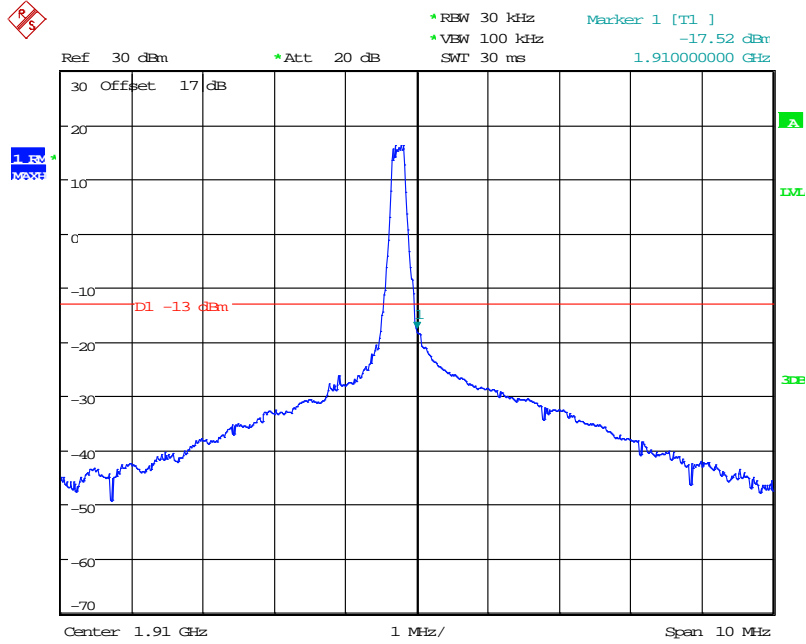


Date: 16.AUG.2024 15:03:45



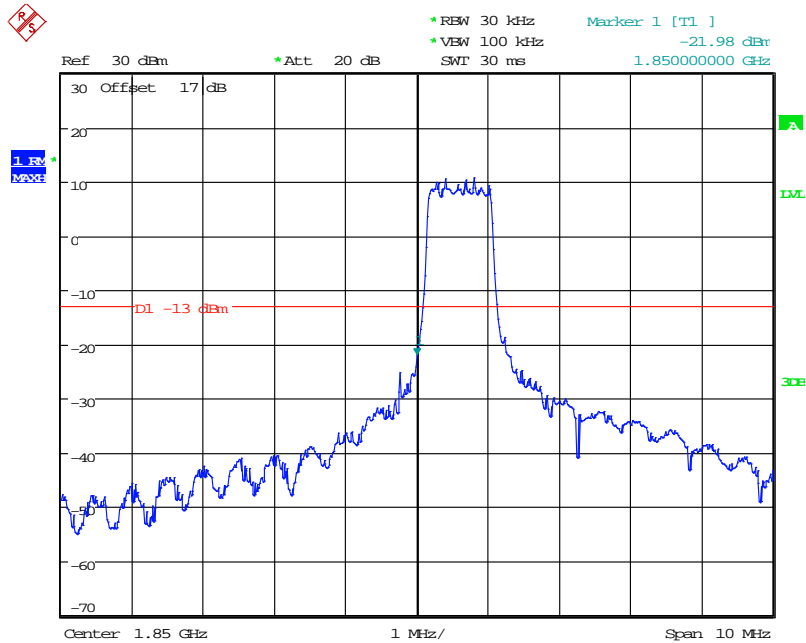
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:58:31

FRB

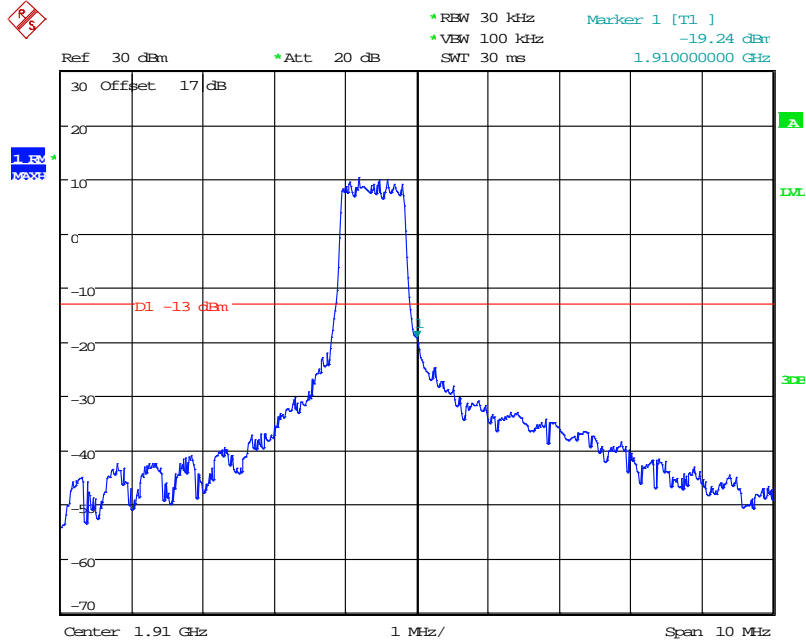


Date: 16.AUG.2024 15:02:13



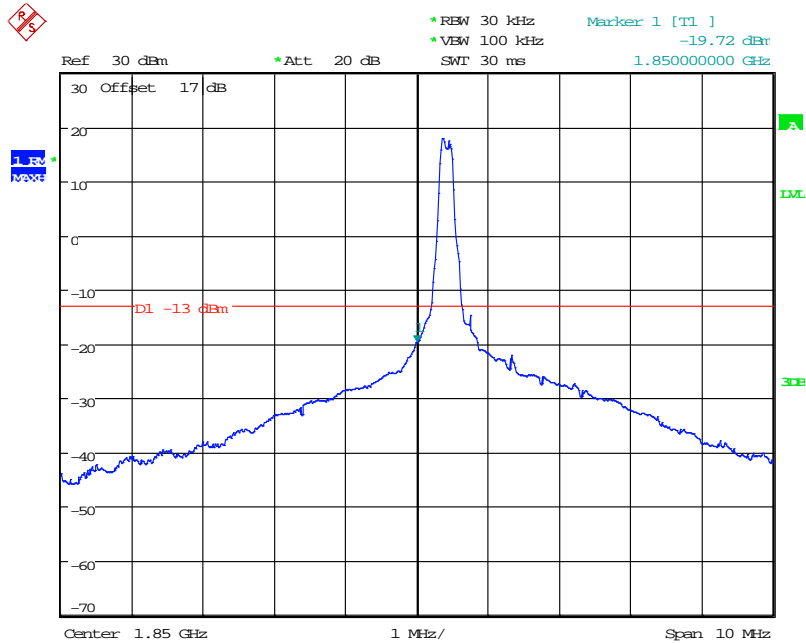
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 15:00:15

3 MHz  
QPSK  
1RB

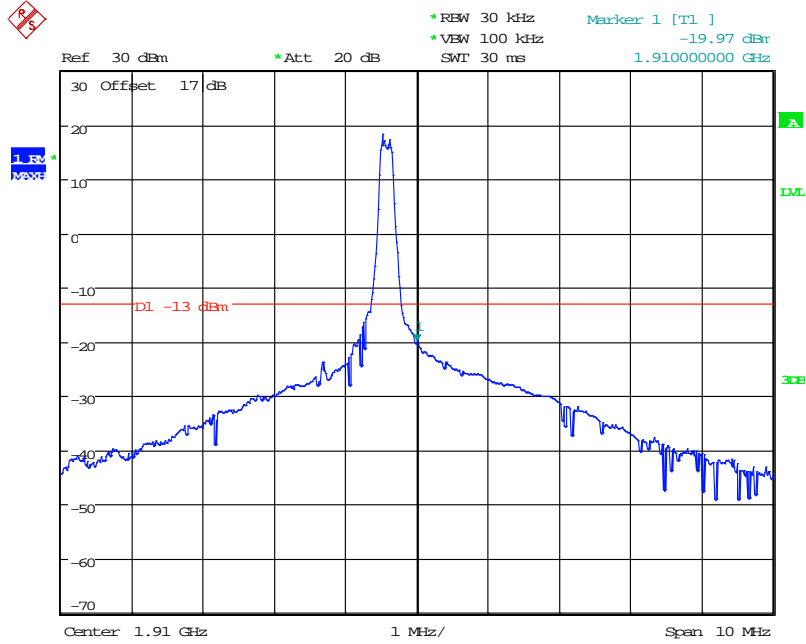


Date: 16.AUG.2024 10:33:06



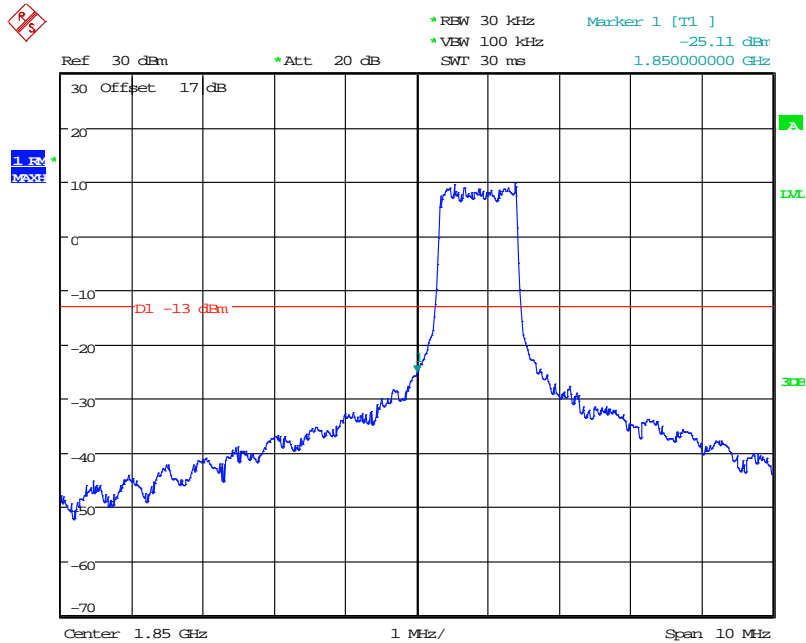
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FCC ID: GX9HSGWCATM1ZB



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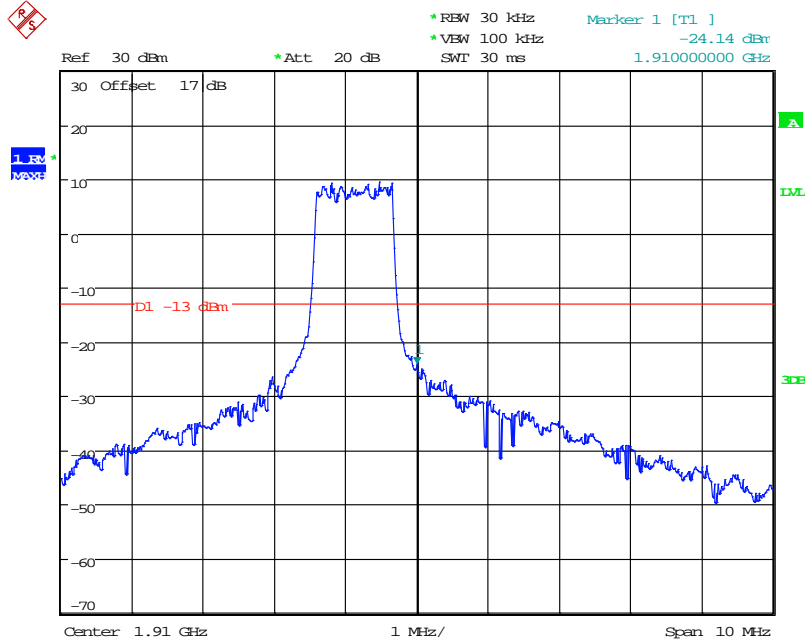
FRB



Date: 16.AUG.2024 10:34:19

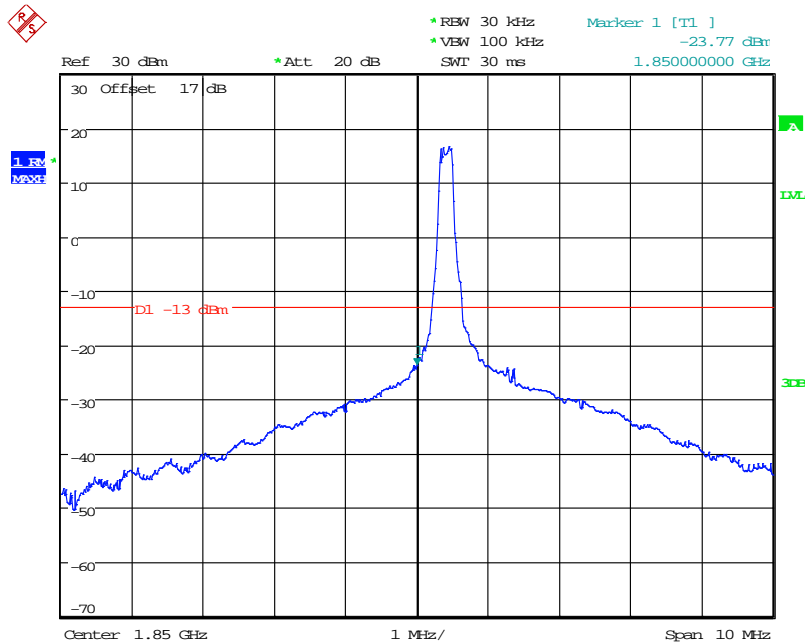


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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:25:19

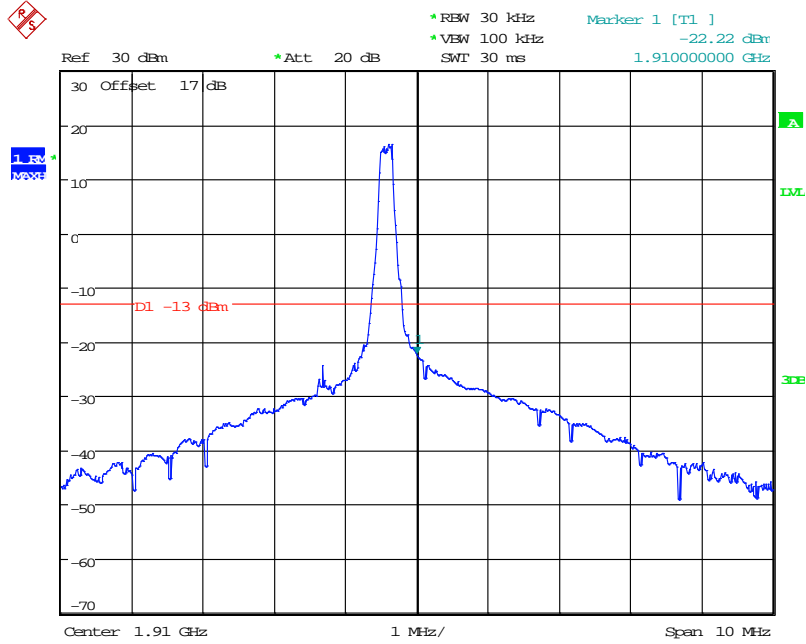
16QAM  
1RB



Date: 16.AUG.2024 10:31:48

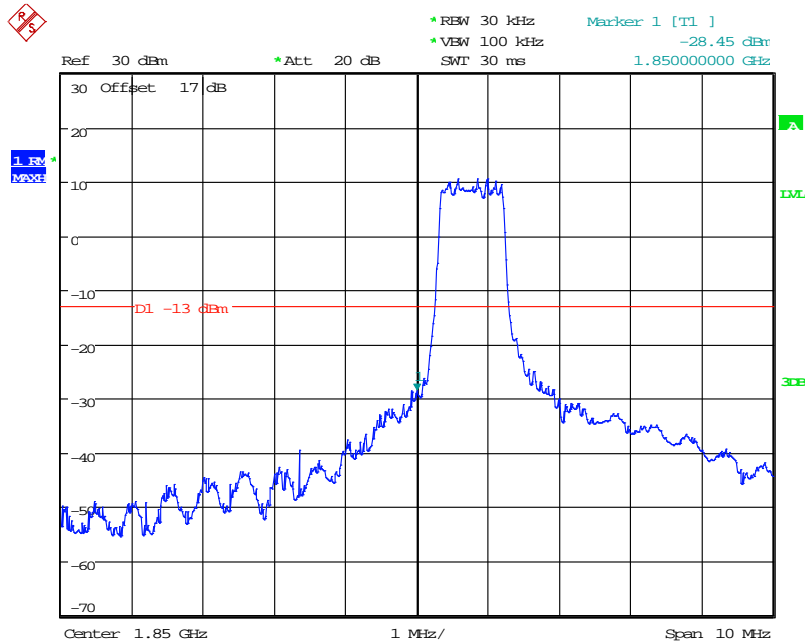


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:27:49

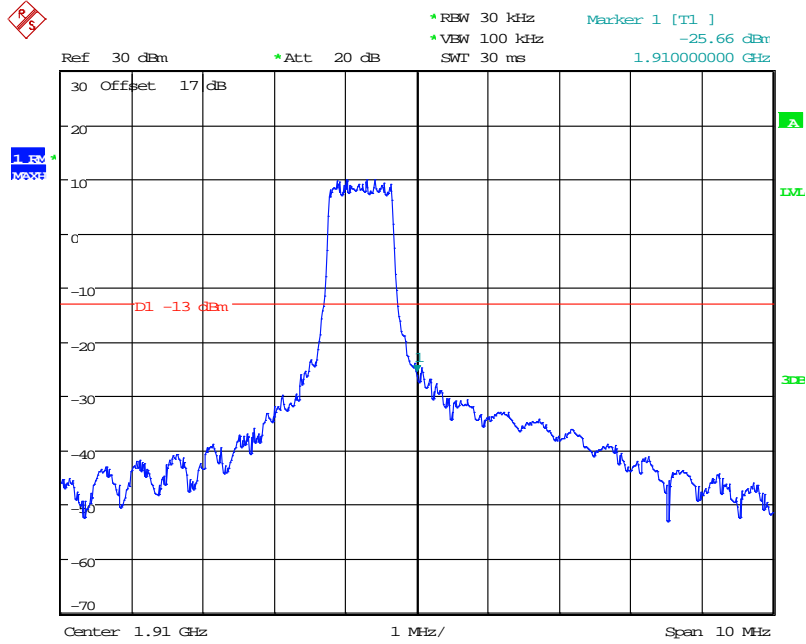
FRB



Date: 16.AUG.2024 10:30:48

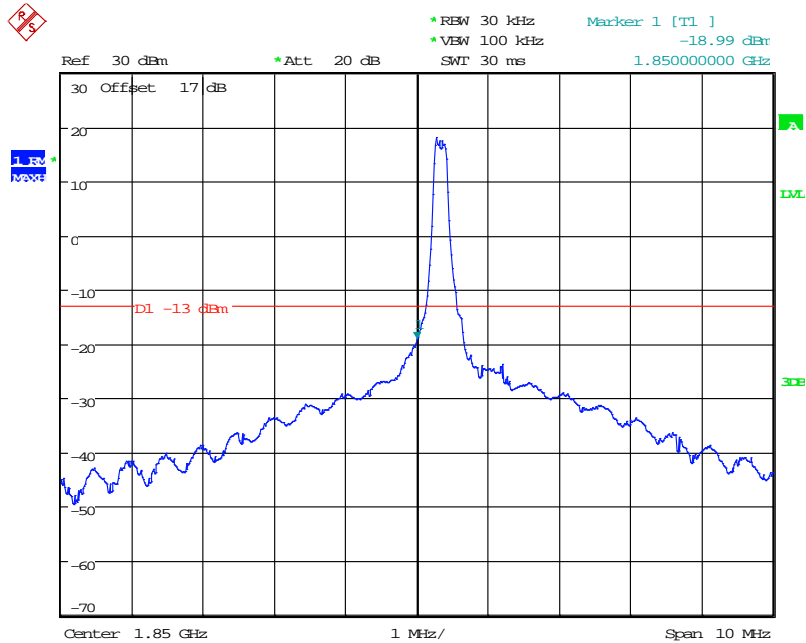


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:29:17

5 MHz  
QPSK  
1RB

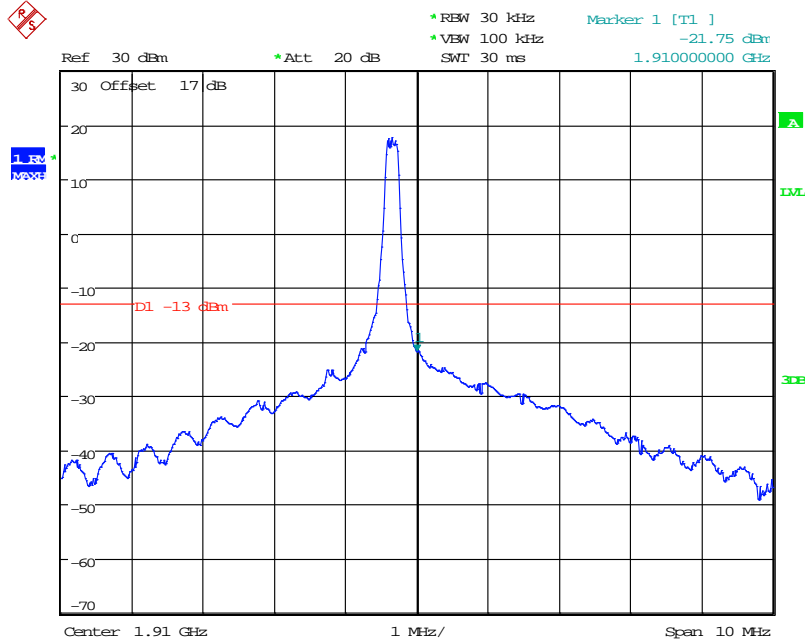


Date: 16.AUG.2024 10:11:38



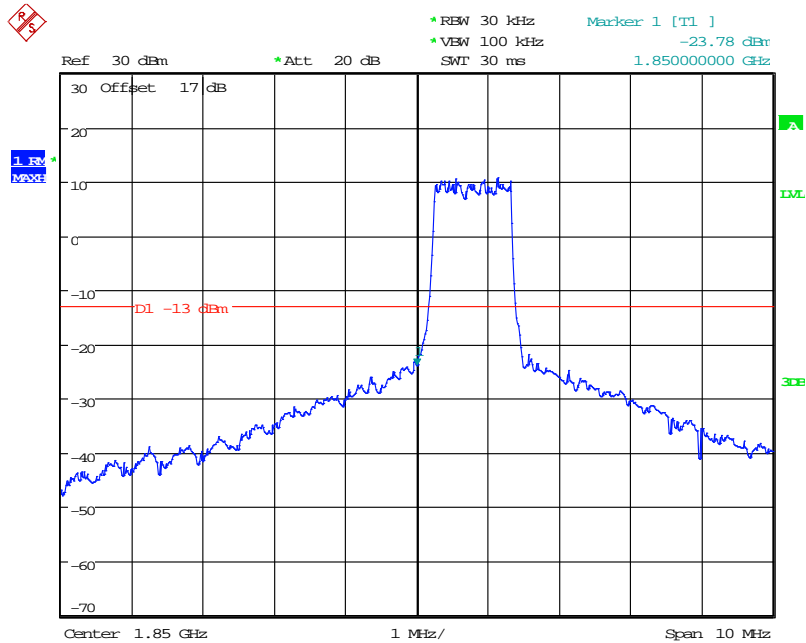


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:19:54

FRB

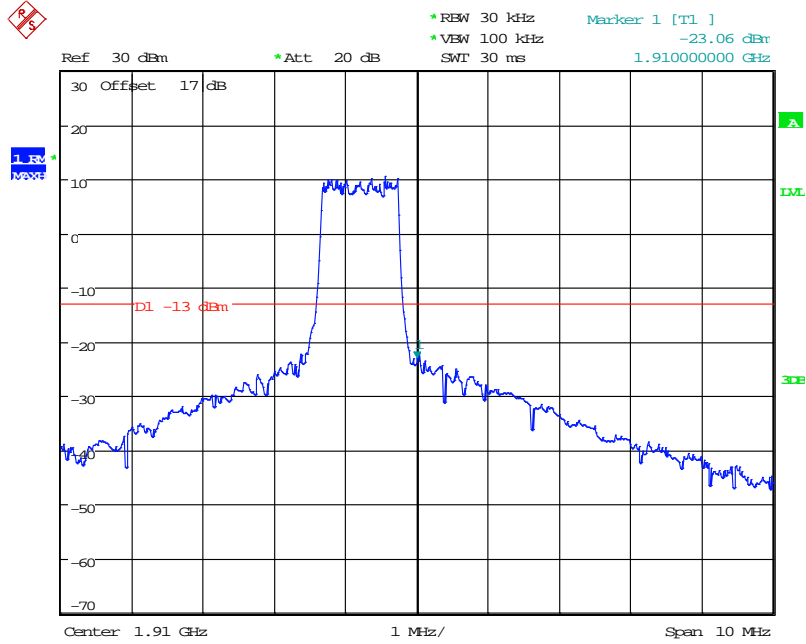


Date: 16.AUG.2024 10:10:42



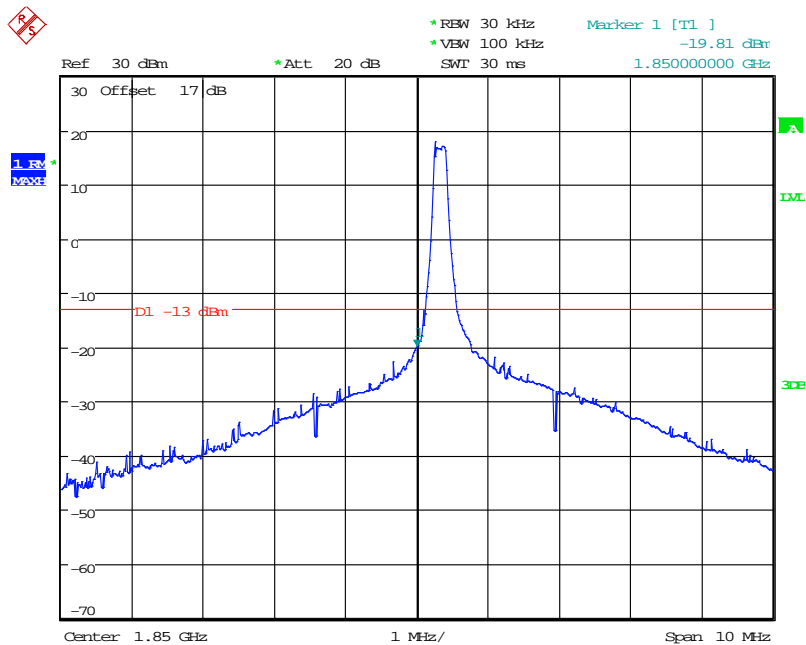
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:21:13

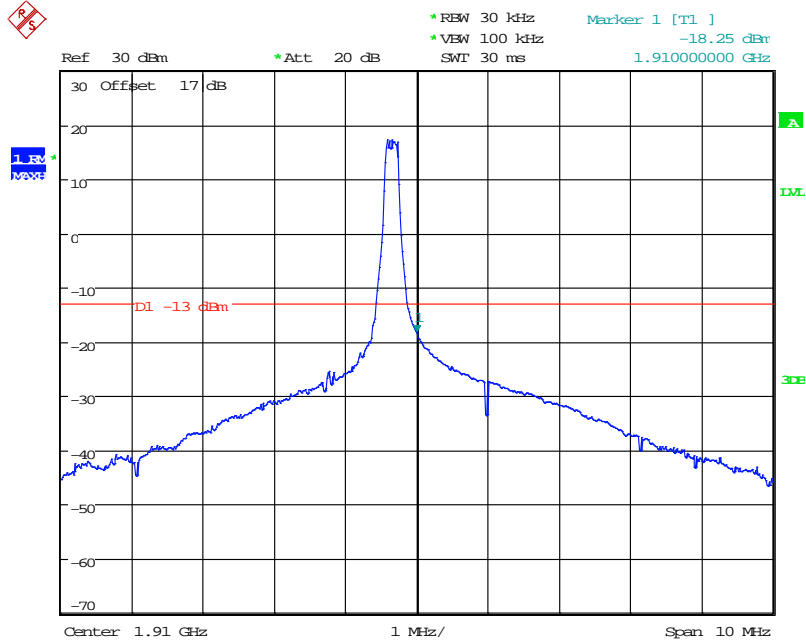
16QAM  
1RB



Date: 16.AUG.2024 10:12:56

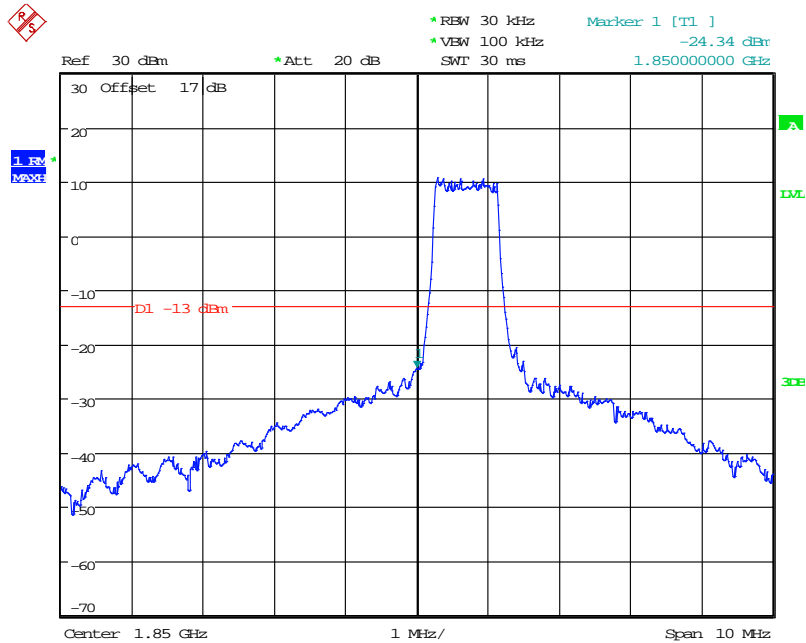


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:18:05

FRB

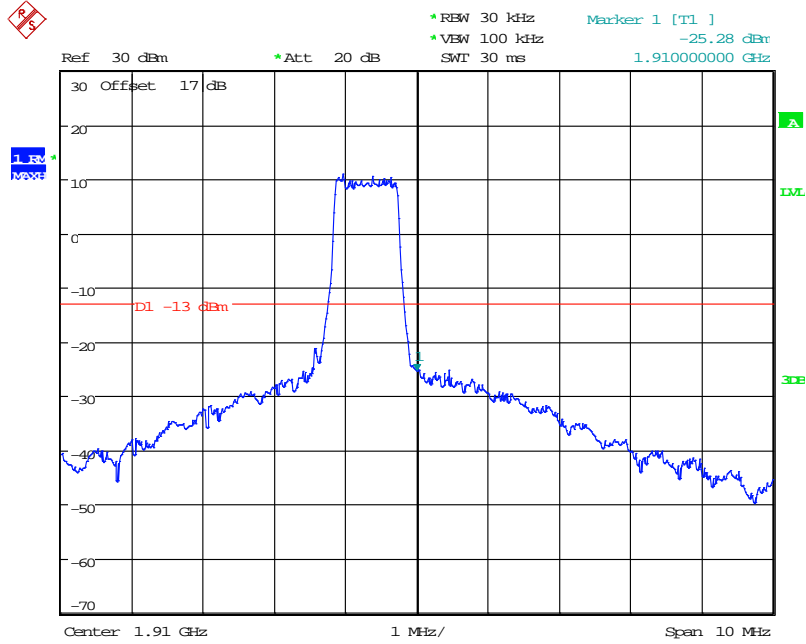


Date: 16.AUG.2024 10:14:00



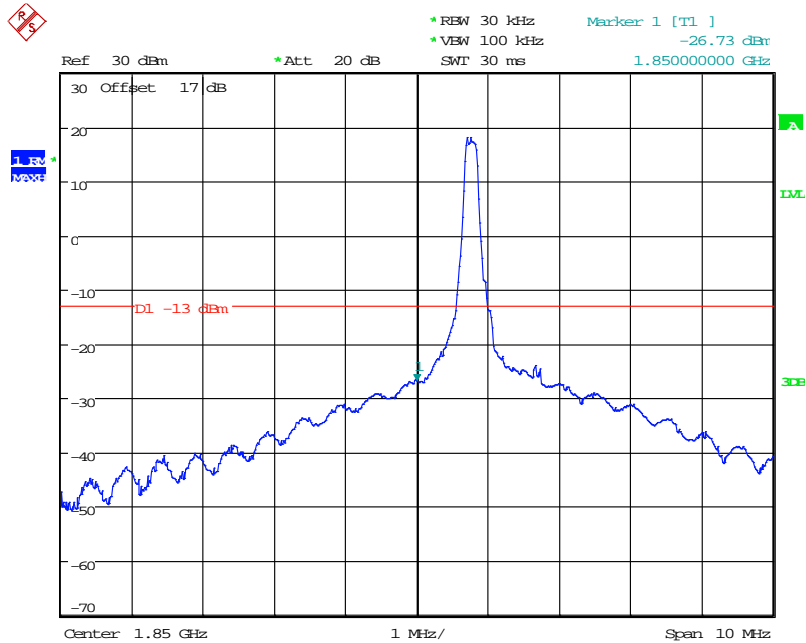
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:16:18

10 MHz  
QPSK  
1RB

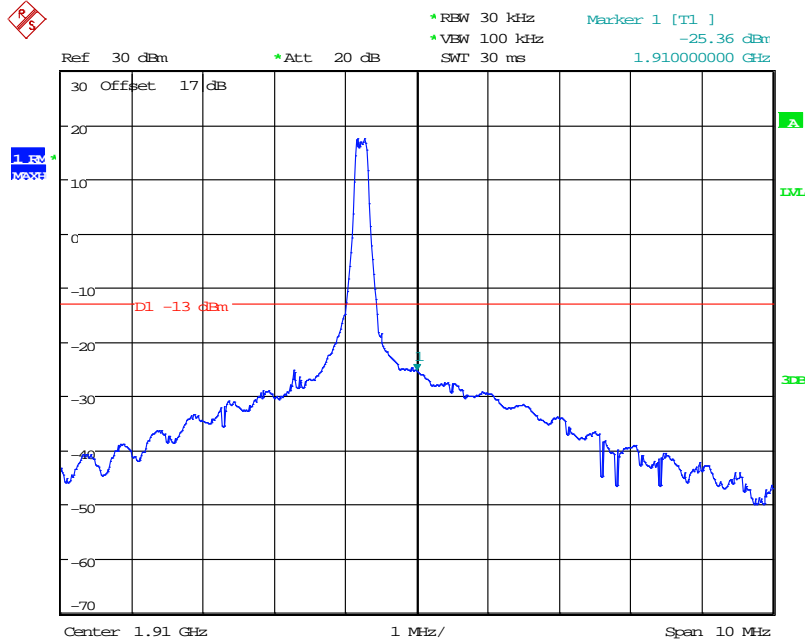


Date: 15.AUG.2024 16:53:08



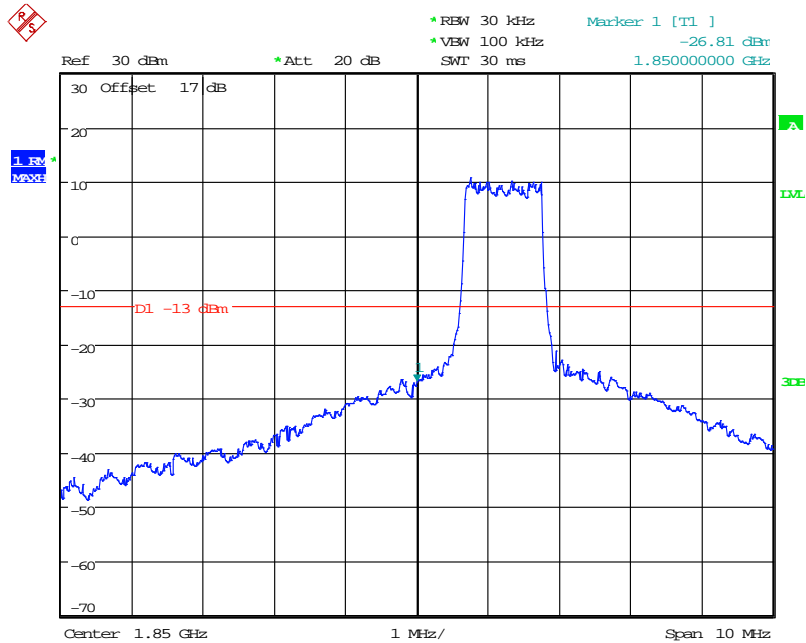
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:46:30

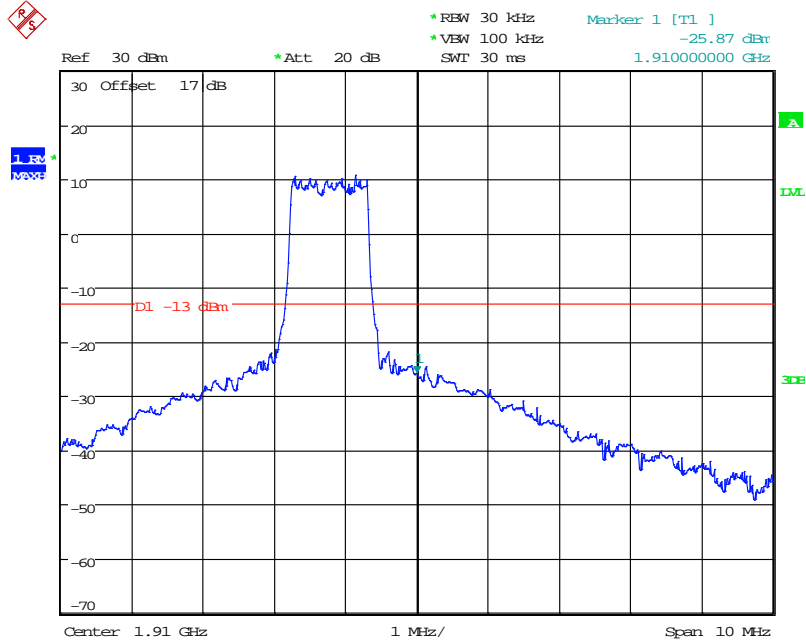
FRB



Date: 15.AUG.2024 16:52:11

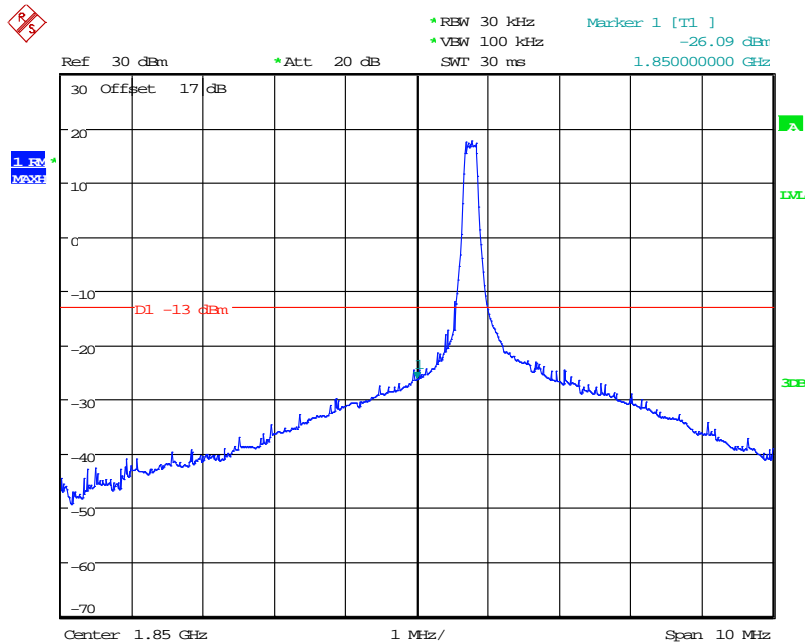


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:50:42

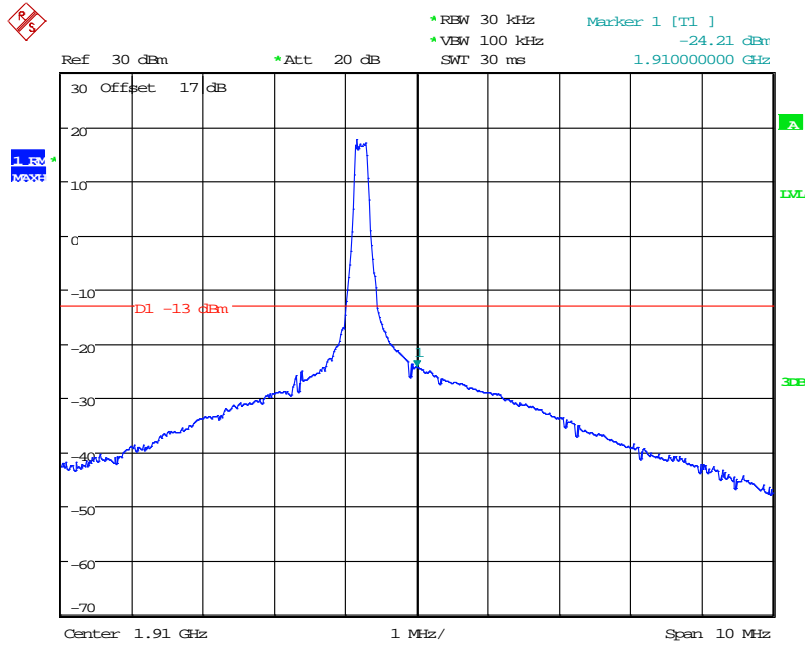
16QAM  
1RB



Date: 15.AUG.2024 16:54:32

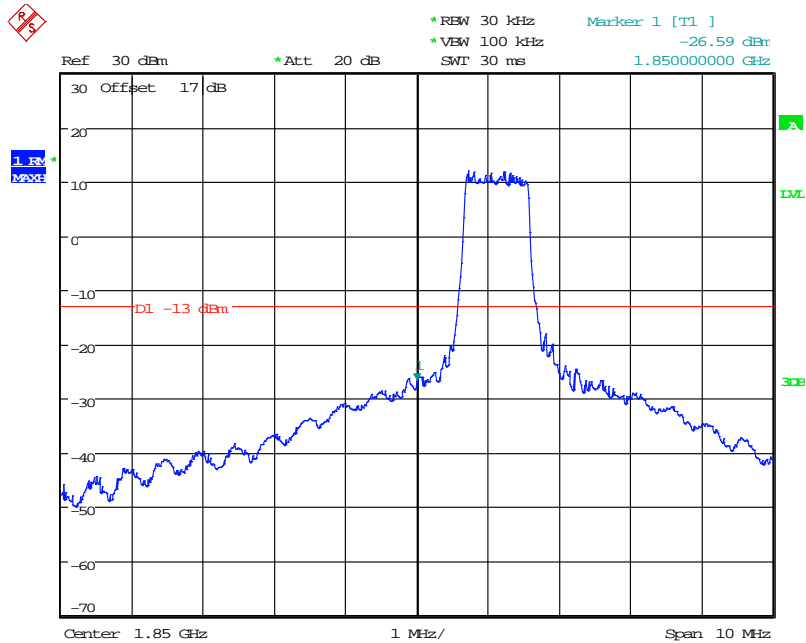


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:44:52

FRB

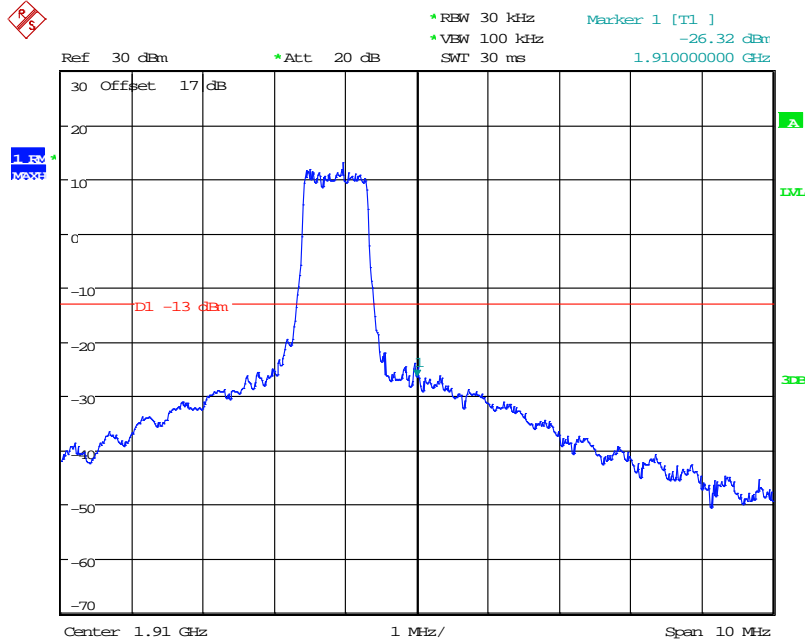


Date: 15.AUG.2024 16:55:39



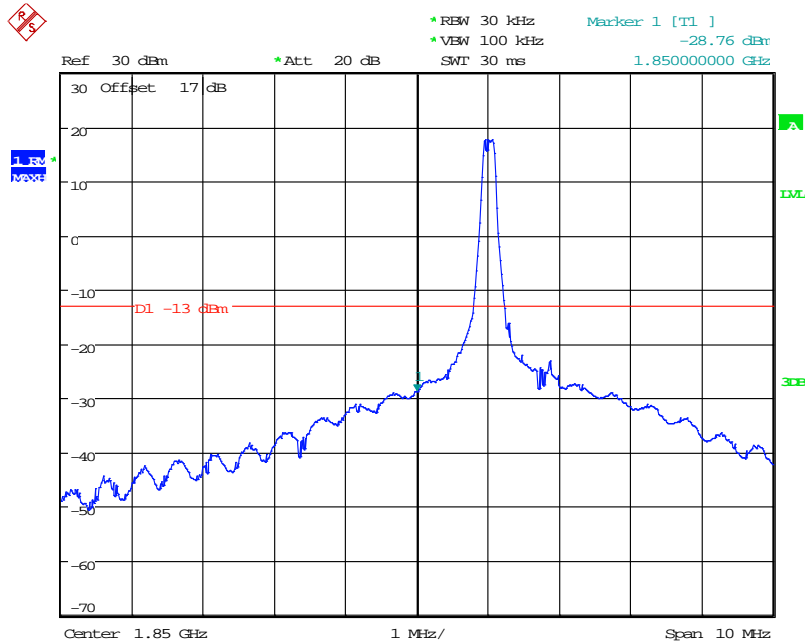
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:43:12

15 MHz  
QPSK  
1RB

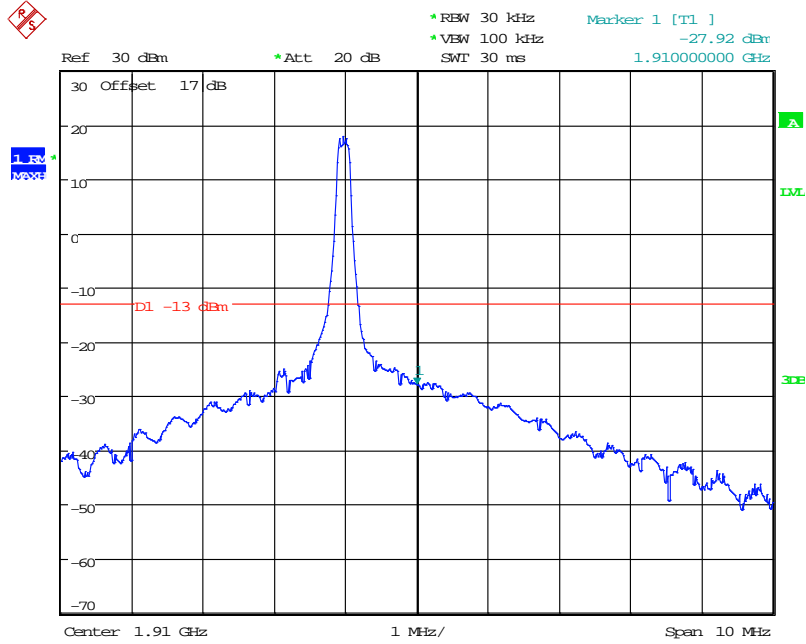


Date: 15.AUG.2024 16:23:48



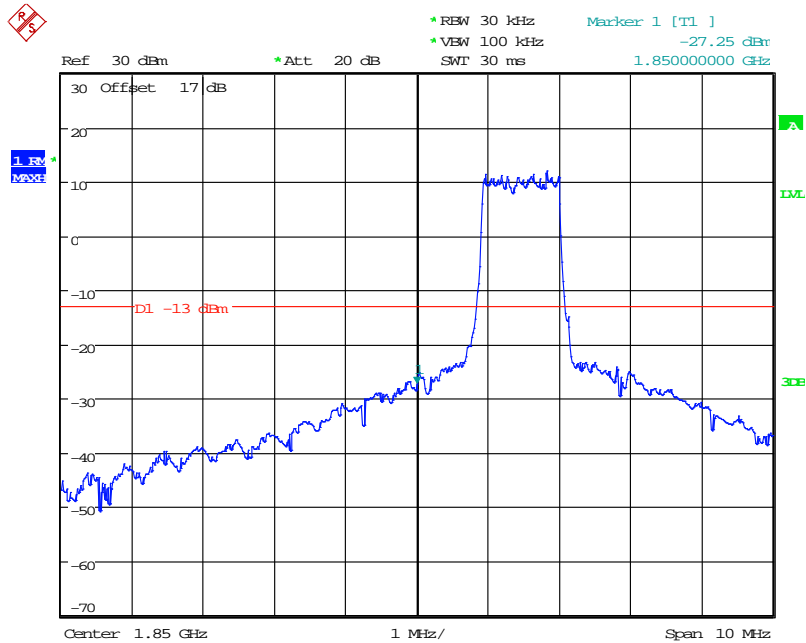


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:34:29

FRB

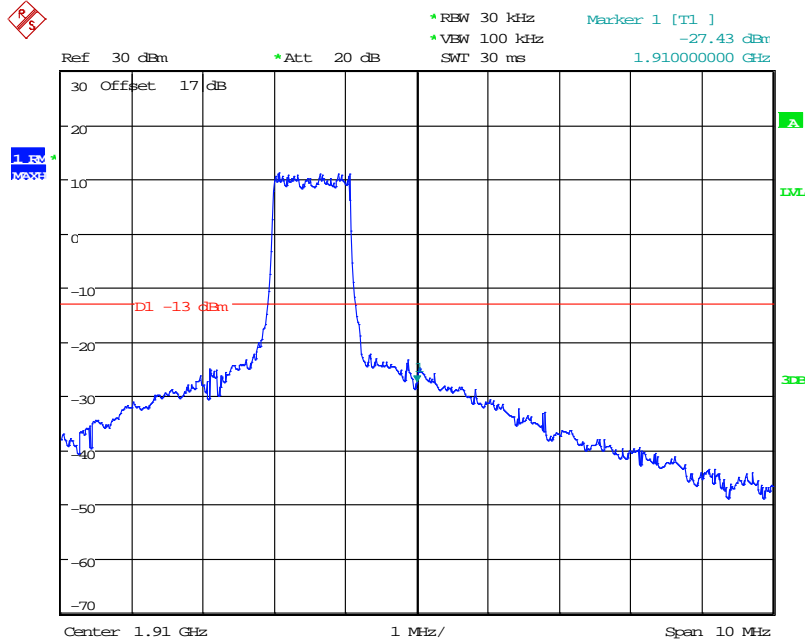


Date: 15.AUG.2024 16:24:46



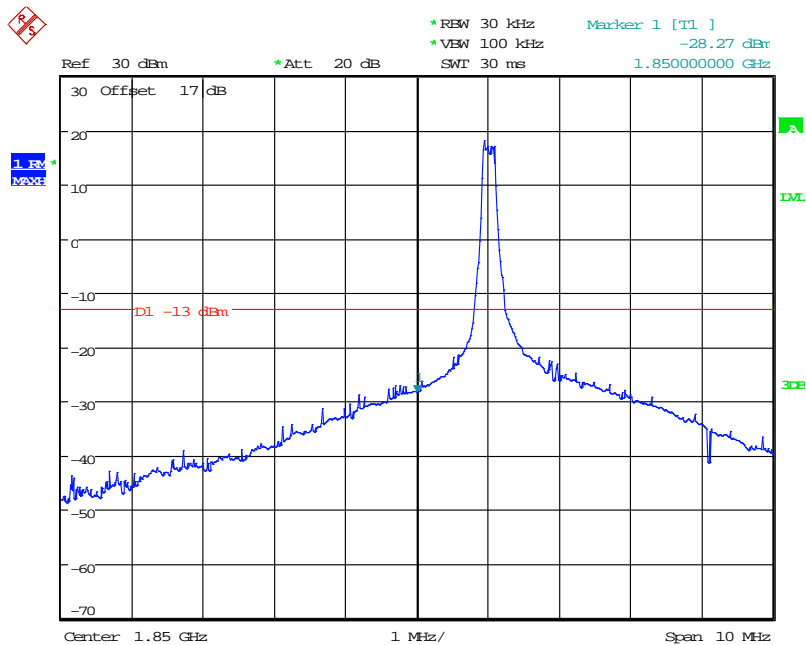
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FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:26:53

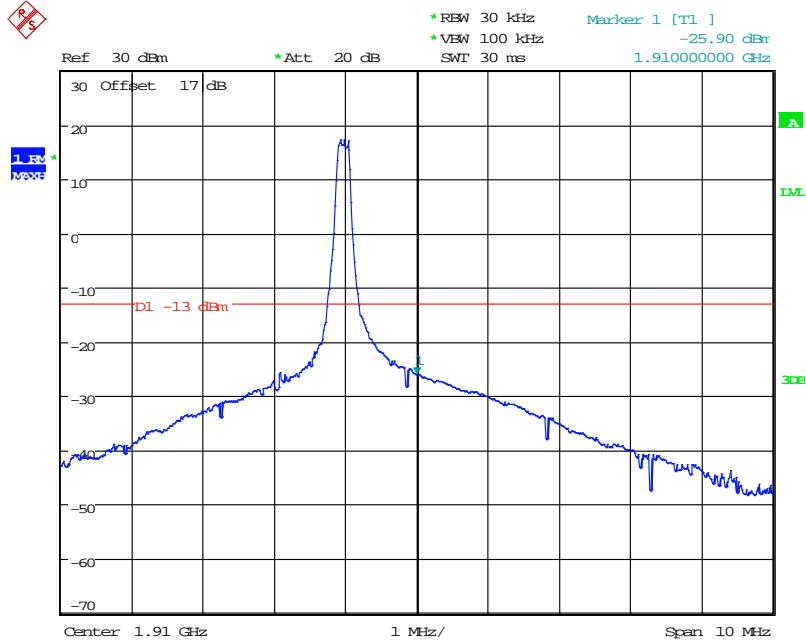
16QAM  
1RB



Date: 15.AUG.2024 16:22:35

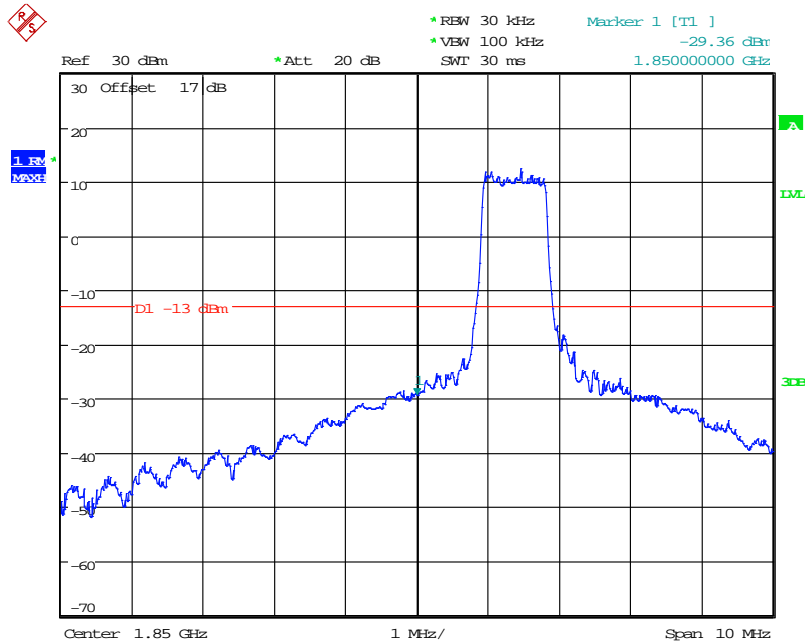


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:36:33

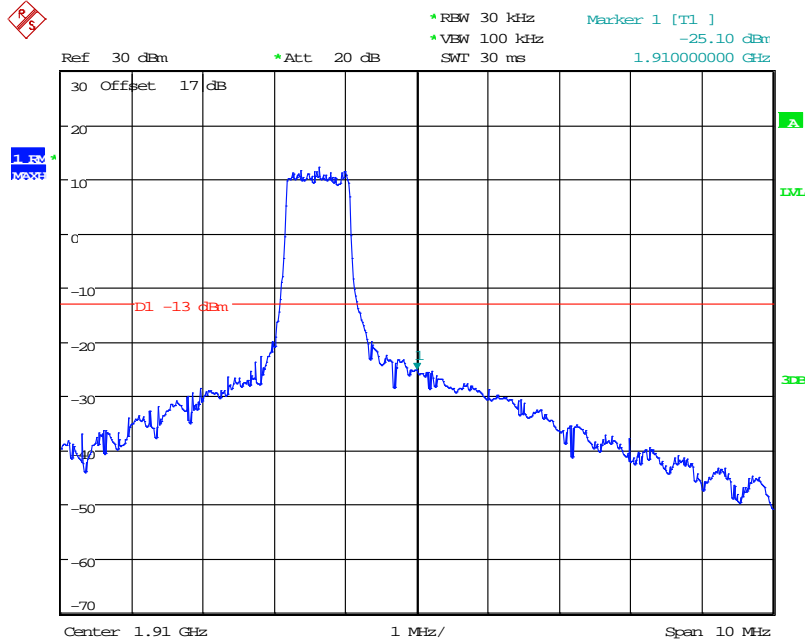
FRB



Date: 15.AUG.2024 16:21:32

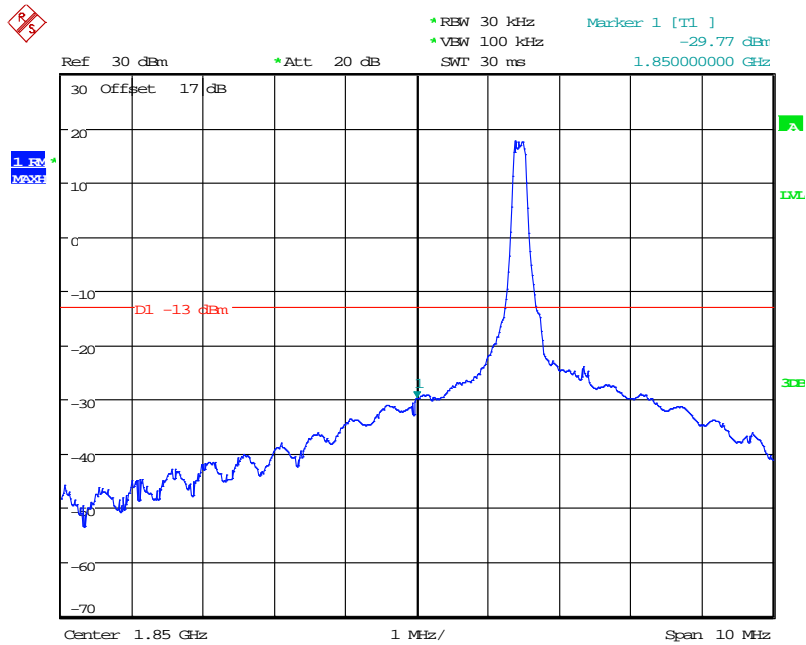


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:30:28

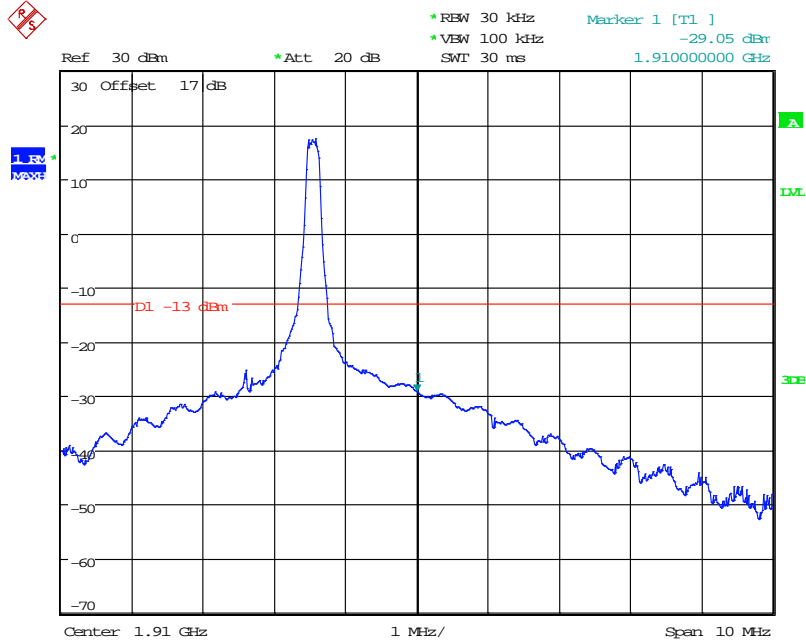
20 MHz  
QPSK  
1RB



Date: 15.AUG.2024 14:35:37

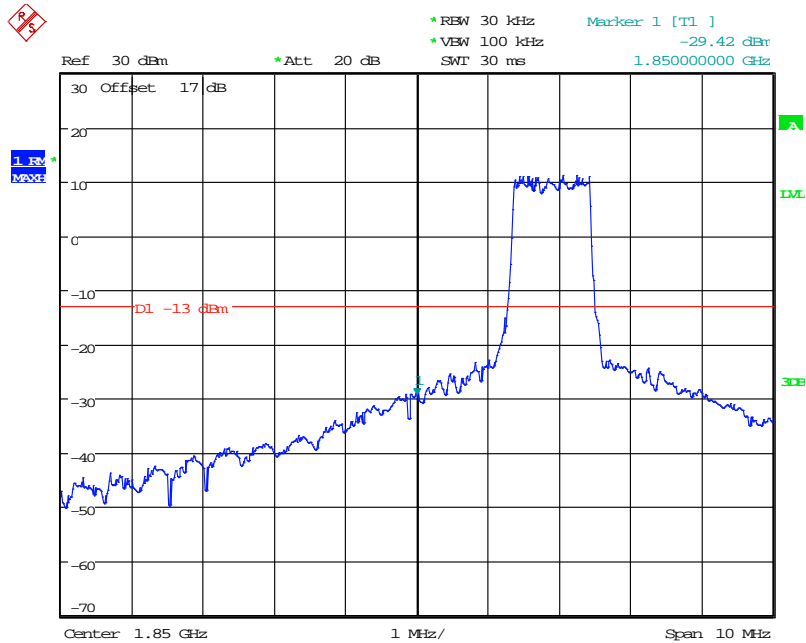


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:37:55

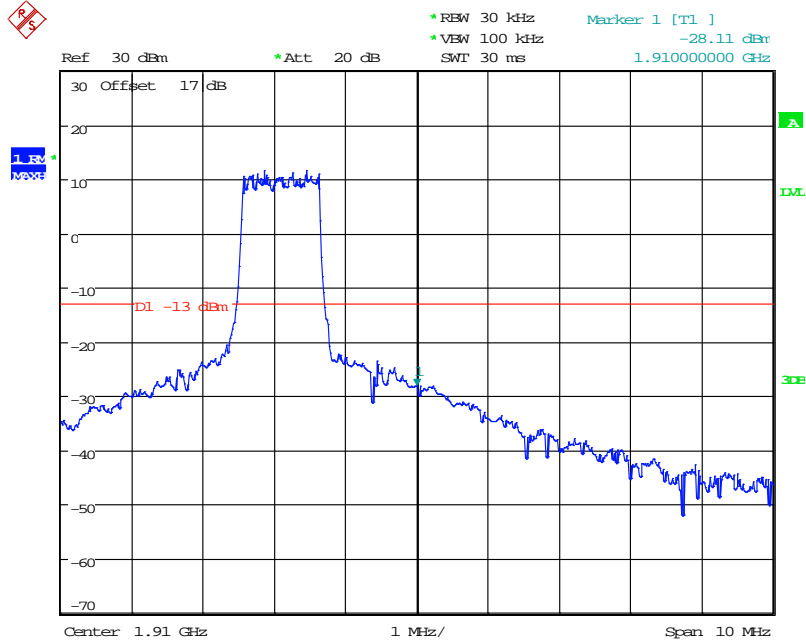
FRB



Date: 15.AUG.2024 14:34:27

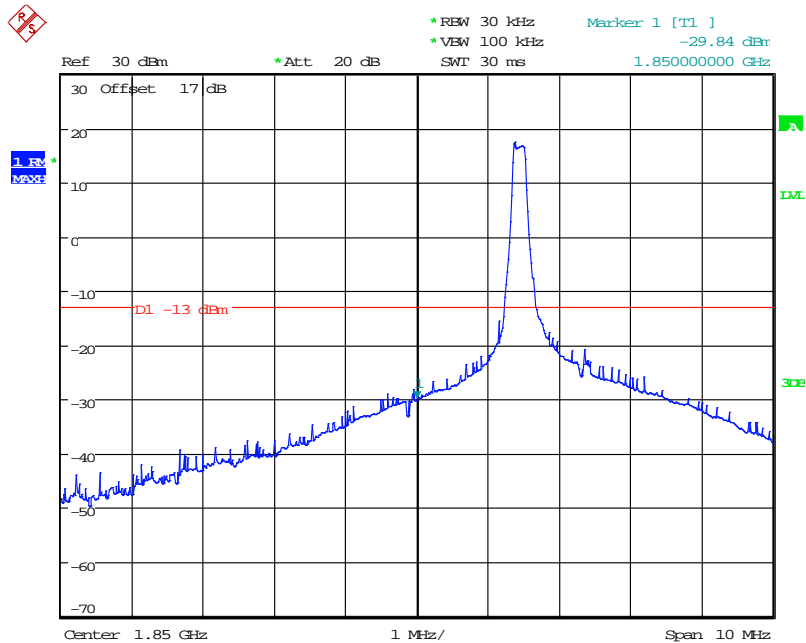


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:39:05

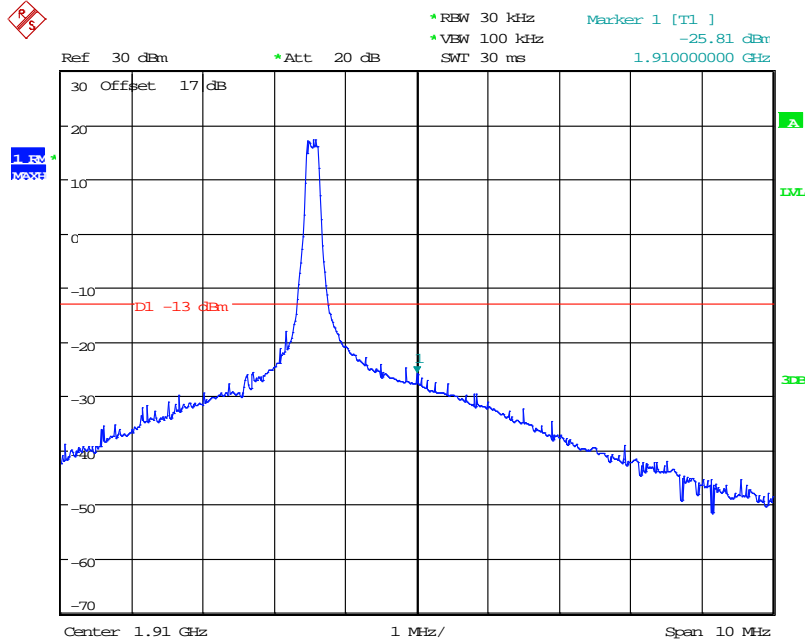
16QAM  
1RB



Date: 15.AUG.2024 14:31:41

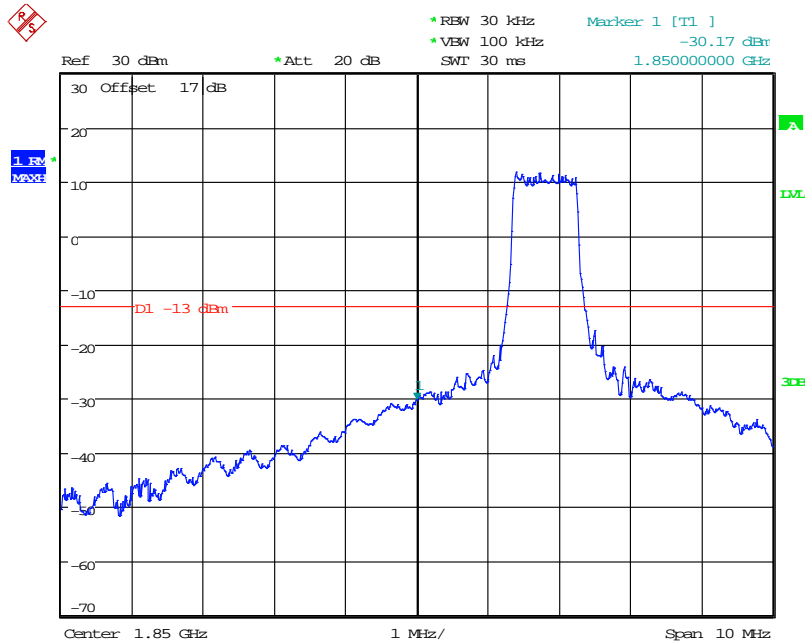


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:42:43

FRB

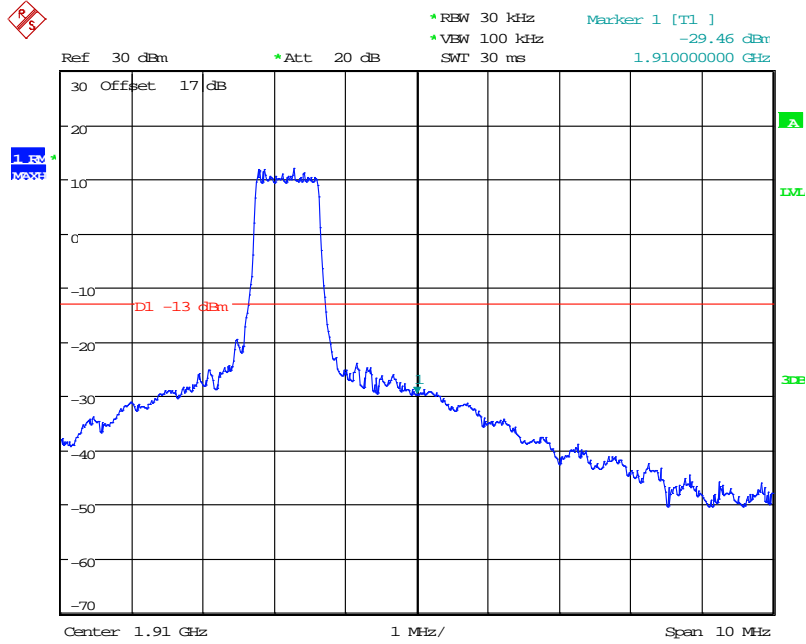


Date: 15.AUG.2024 14:33:10



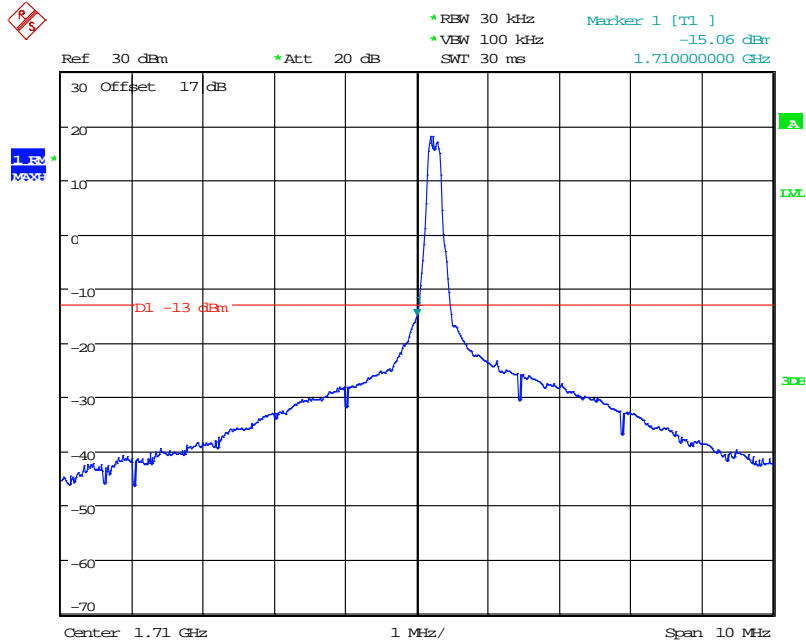
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:41:08

Band 4  
1.4 MHz  
QPSK  
1RB

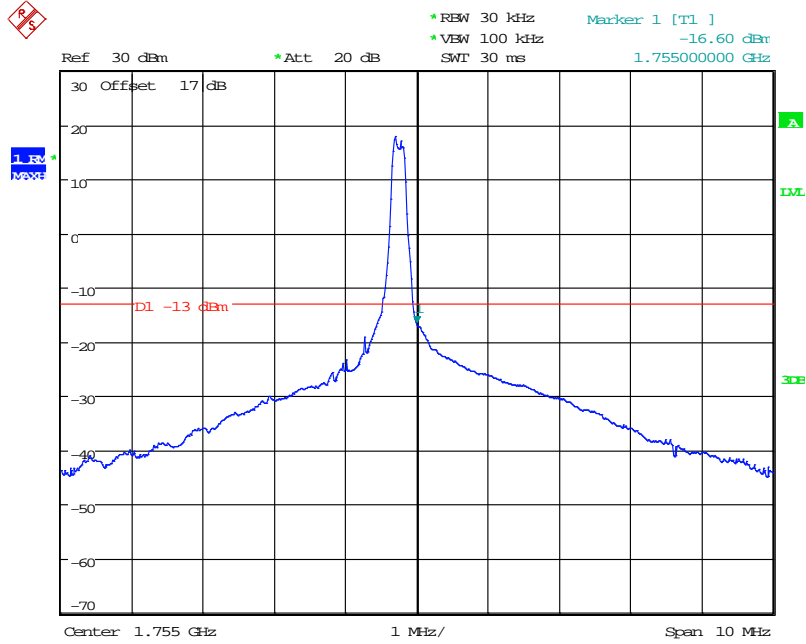


Date: 16.AUG.2024 14:37:19



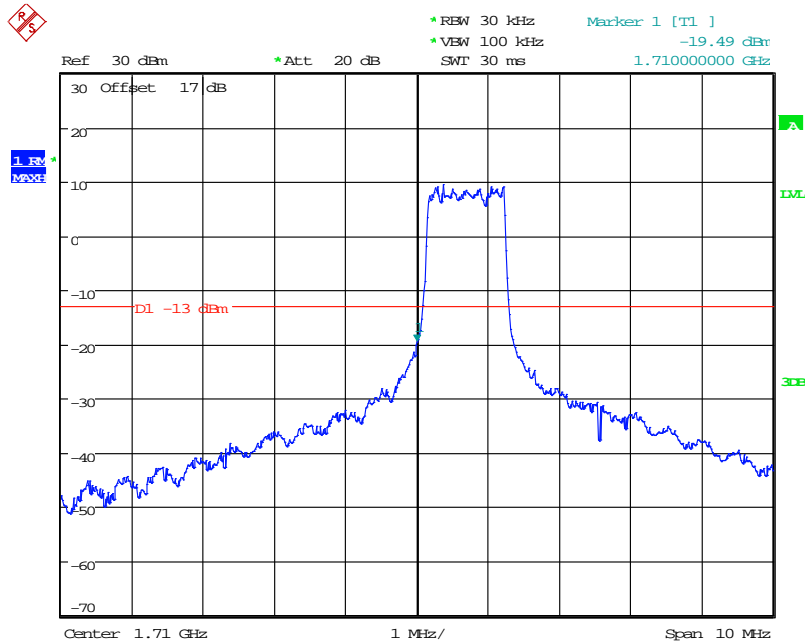


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:48:38

FRB

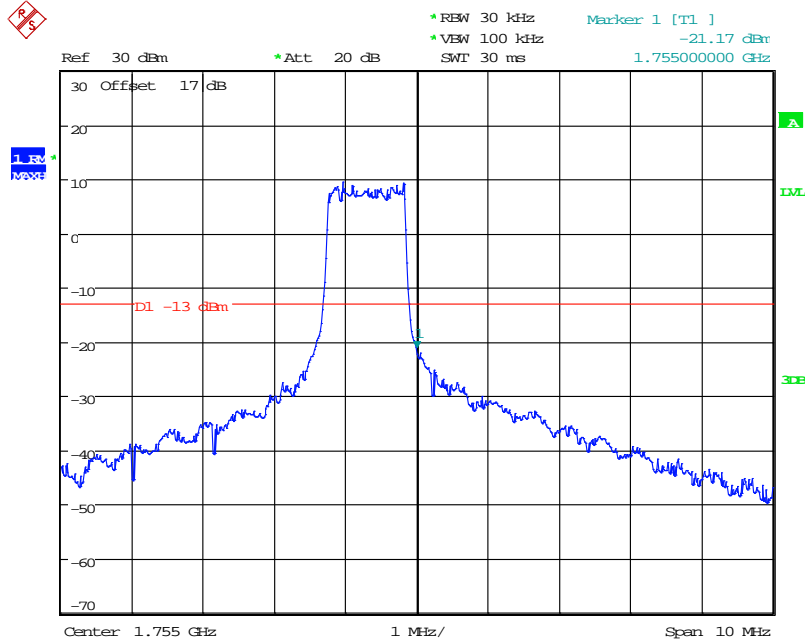


Date: 16.AUG.2024 14:35:45



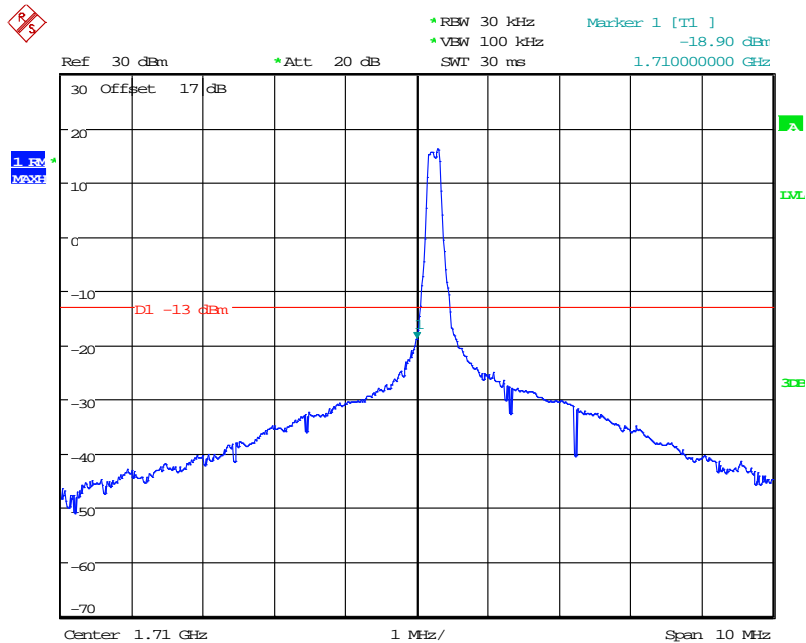
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:49:59

16QAM  
1RB

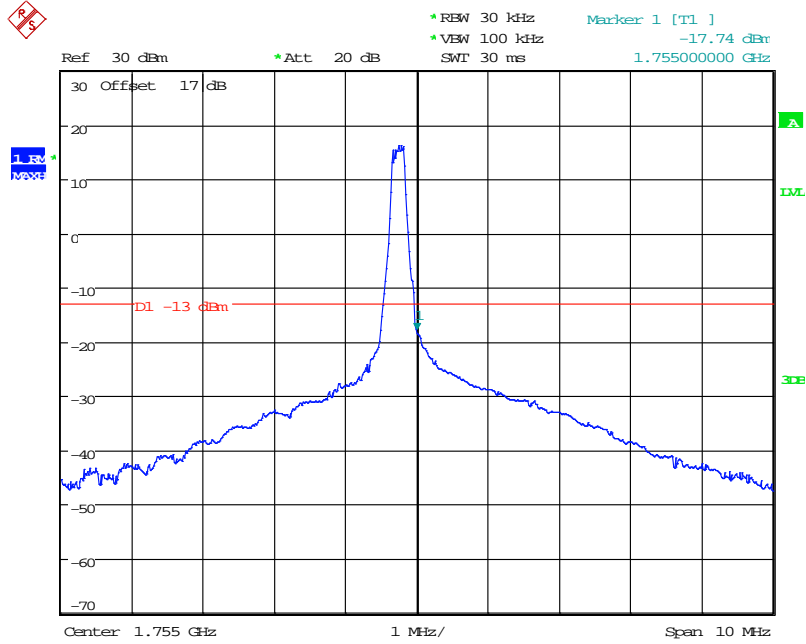


Date: 16.AUG.2024 14:39:04



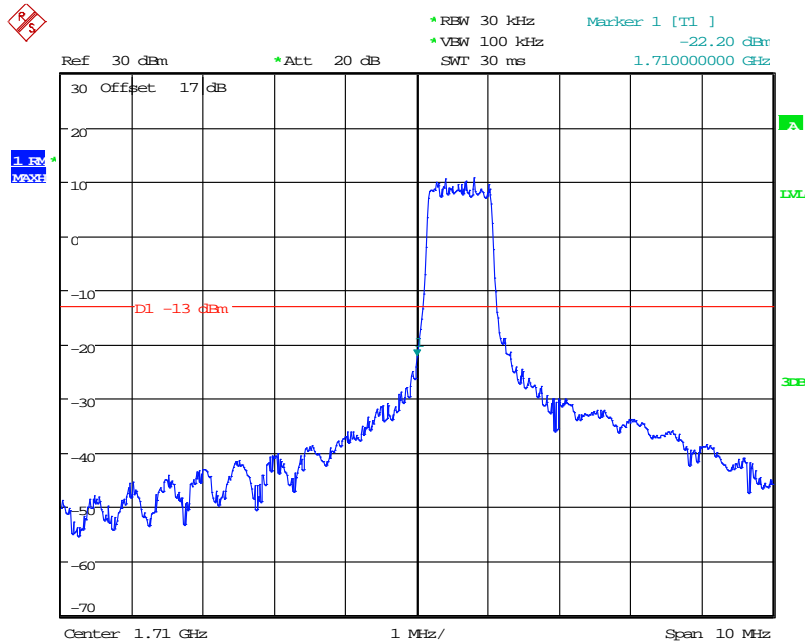
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:44:44

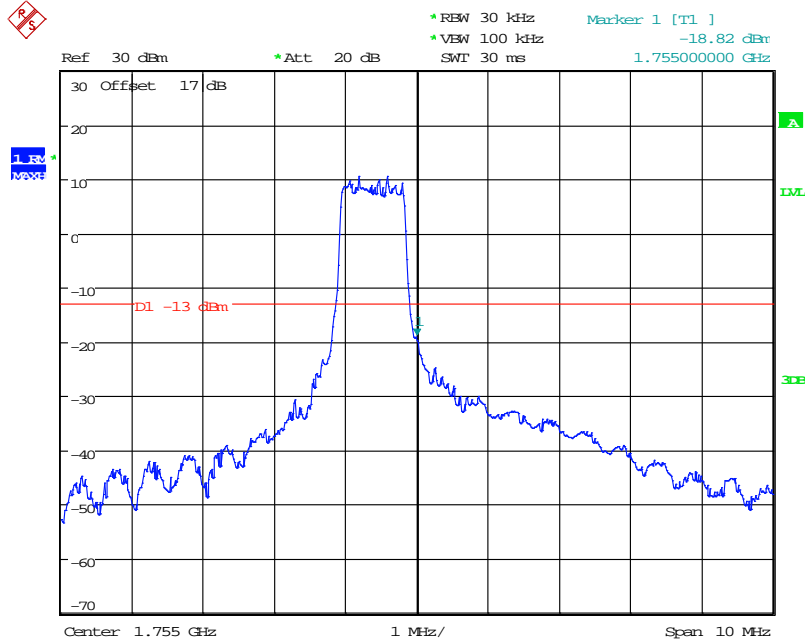
FRB



Date: 16.AUG.2024 14:40:37

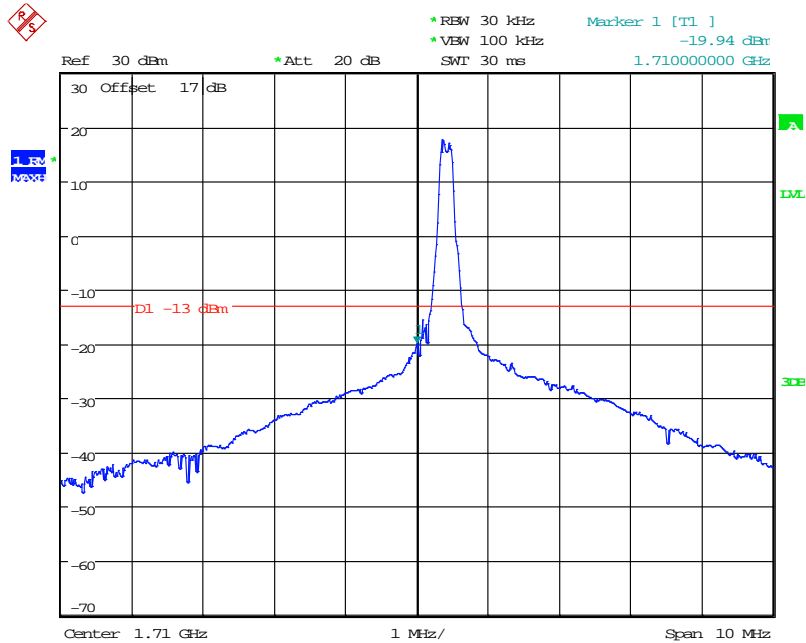


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:42:41

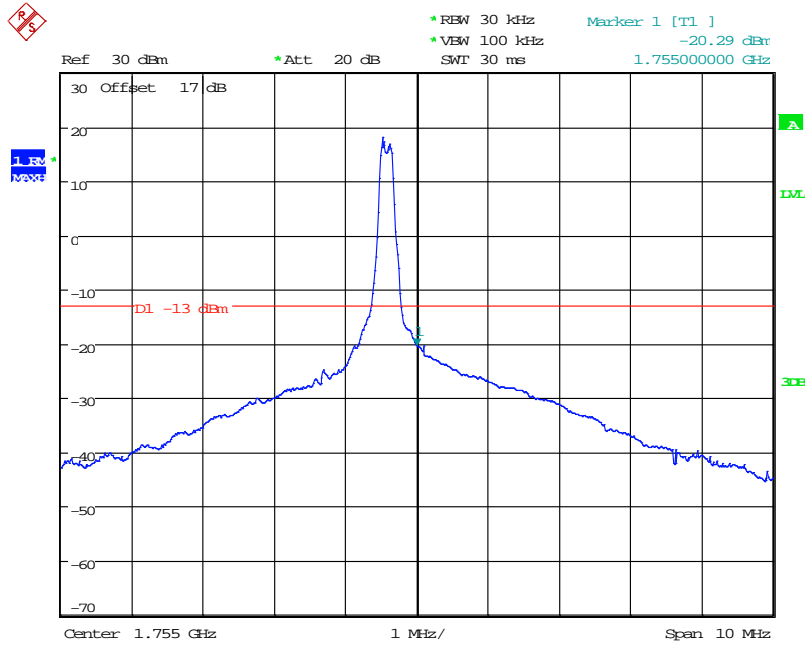
3 MHz  
QPSK  
1RB



Date: 16.AUG.2024 10:52:39

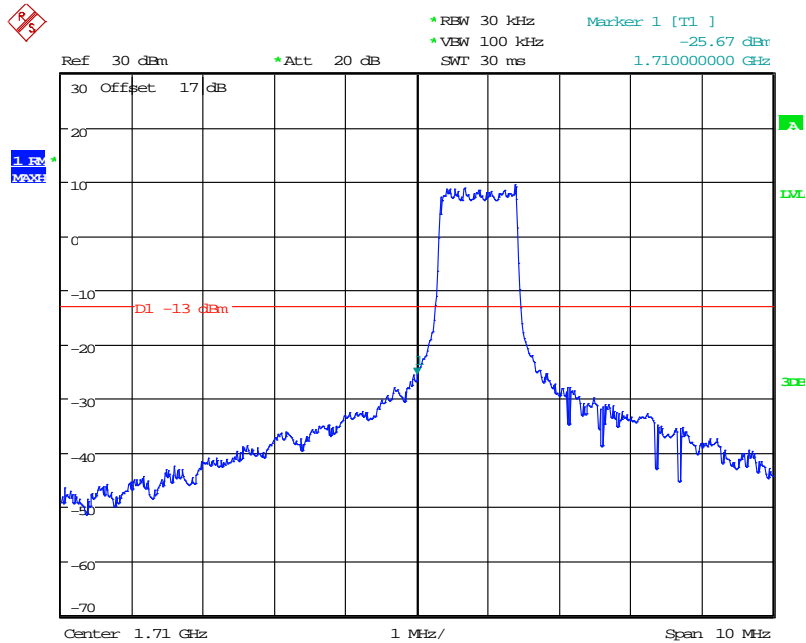


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:00:50

FRB

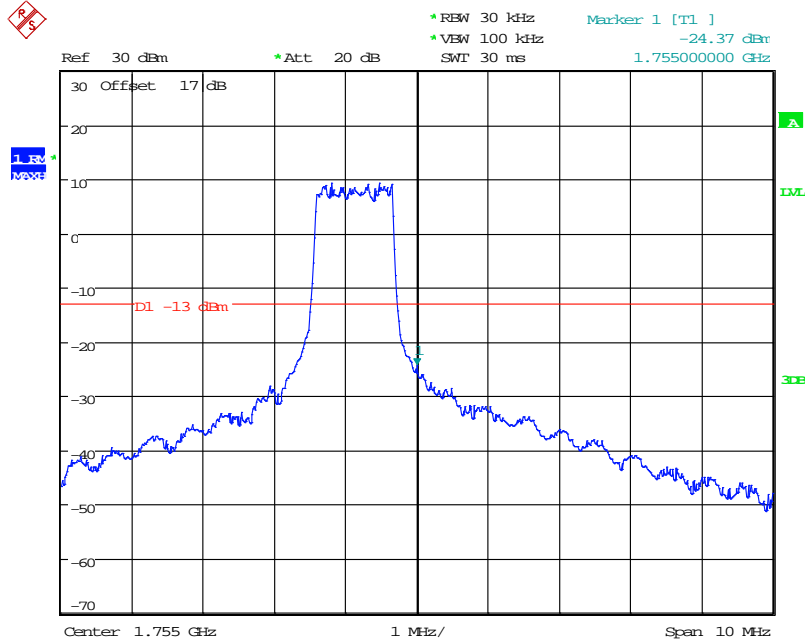


Date: 16.AUG.2024 10:51:14



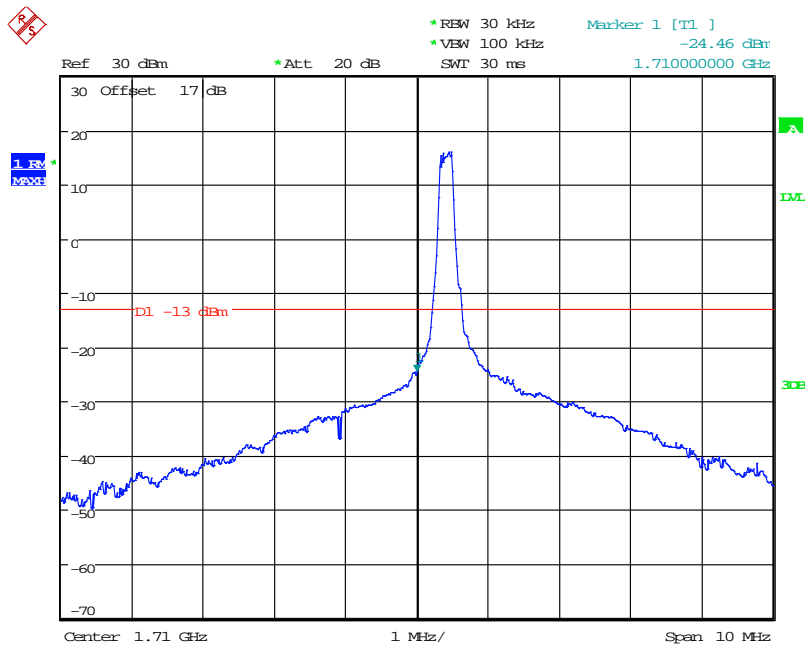
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:02:47

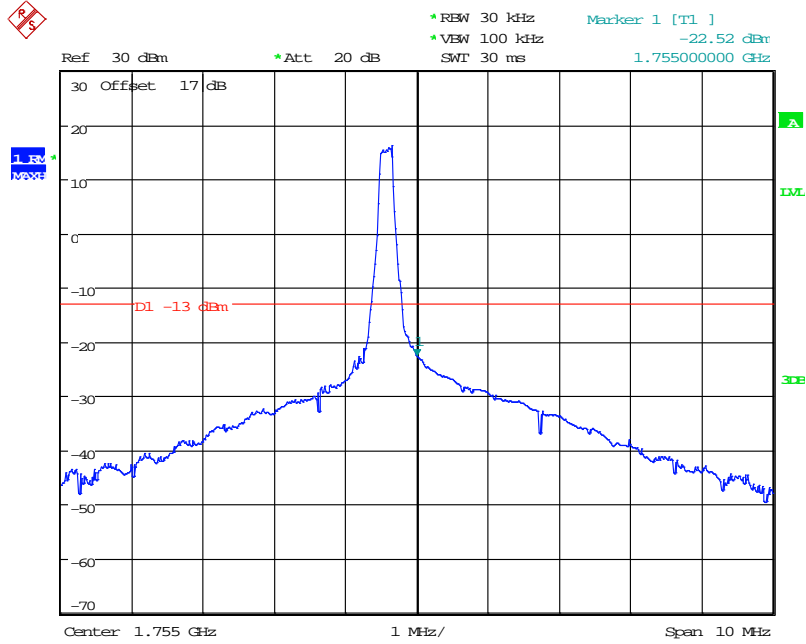
16QAM  
1RB



Date: 16.AUG.2024 10:54:06

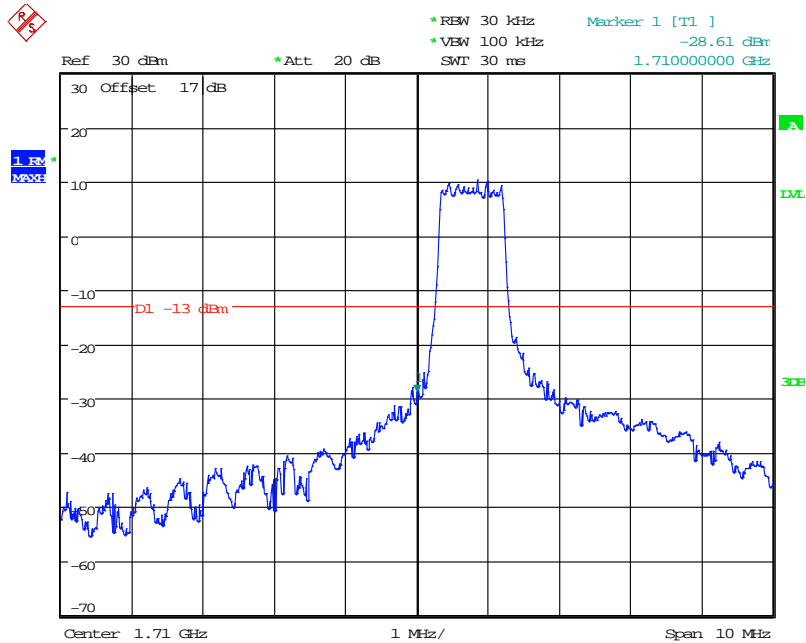


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:58:19

FRB

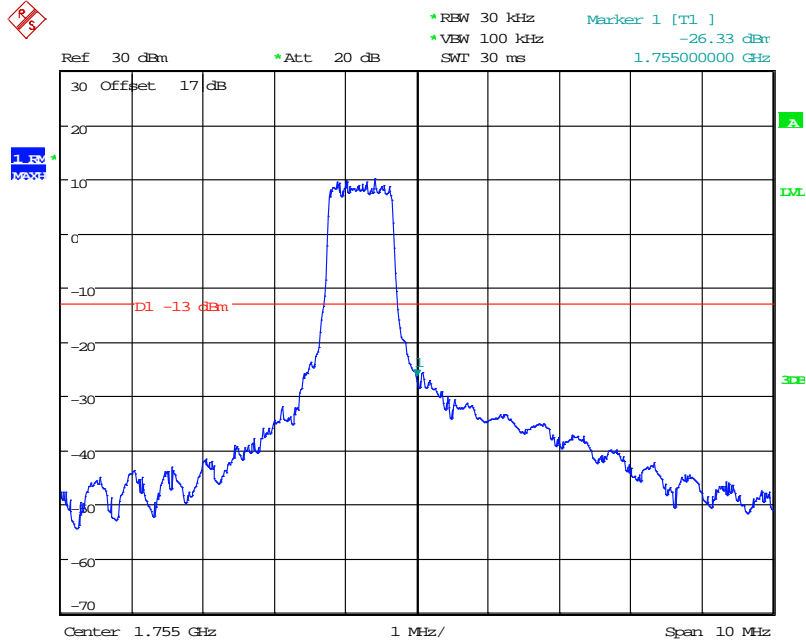


Date: 16.AUG.2024 10:55:07



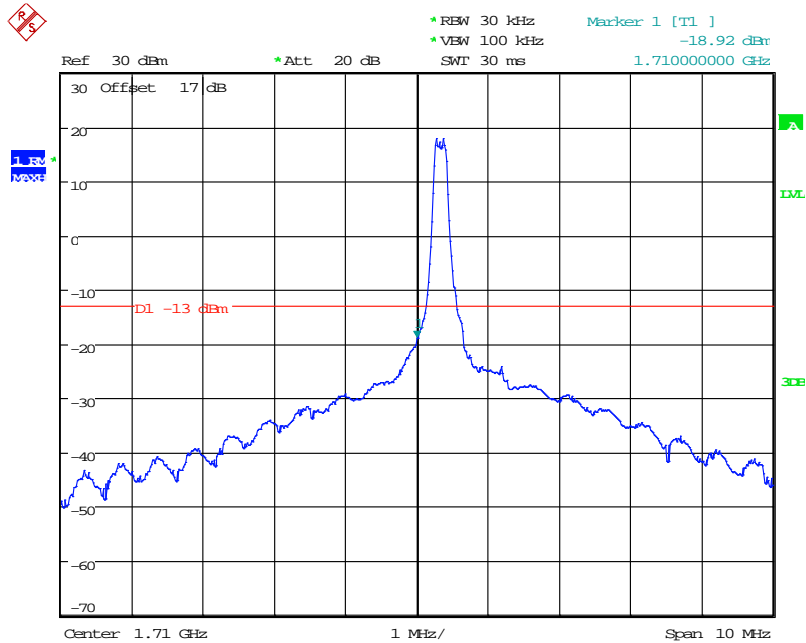
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 10:56:47

5 MHz  
QPSK  
1RB



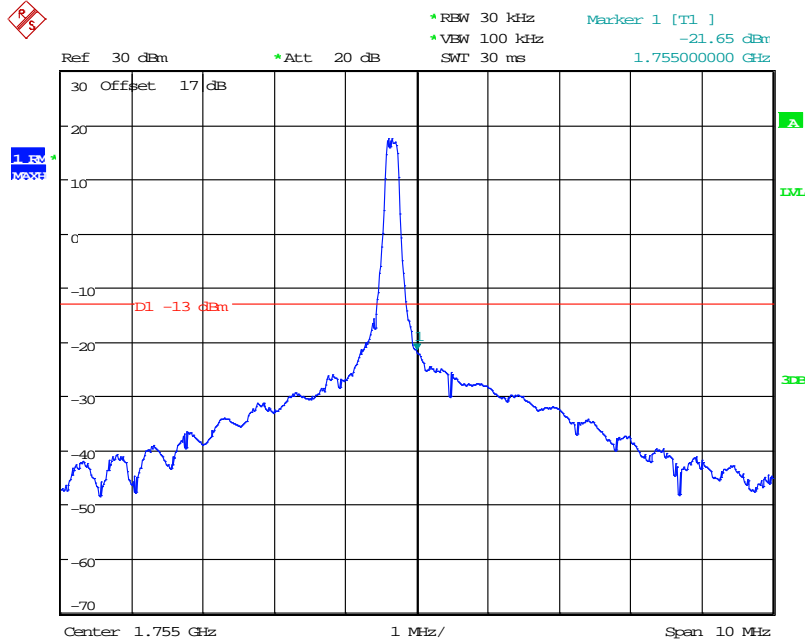
Date: 16.AUG.2024 09:58:48





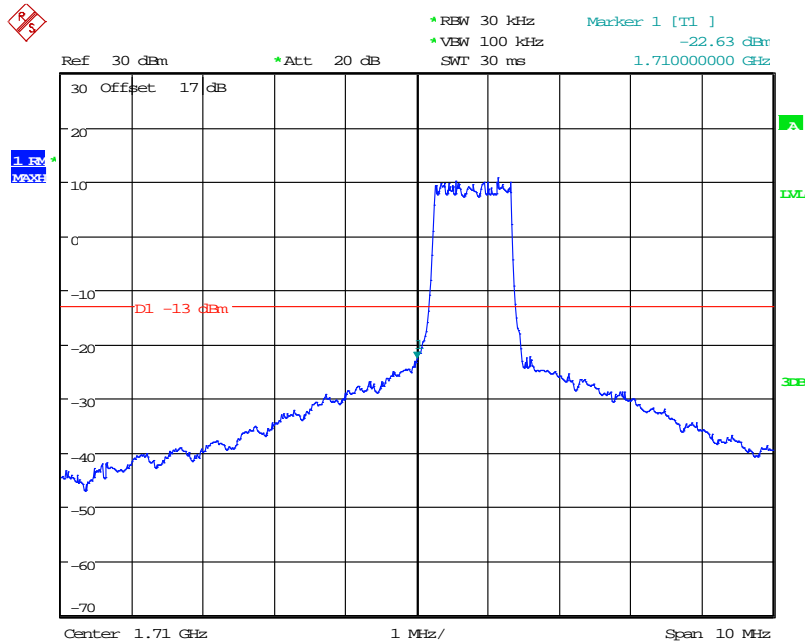
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:50:33

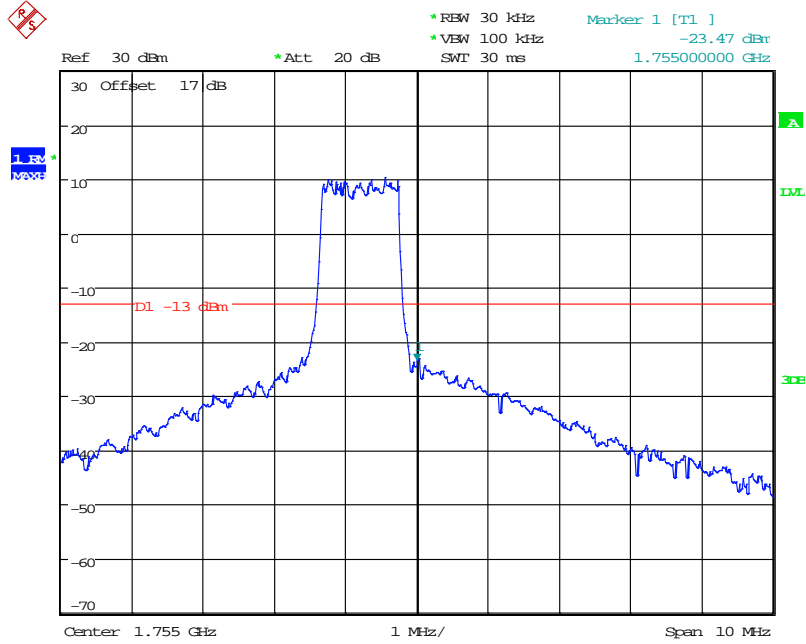
FRB



Date: 16.AUG.2024 10:00:40

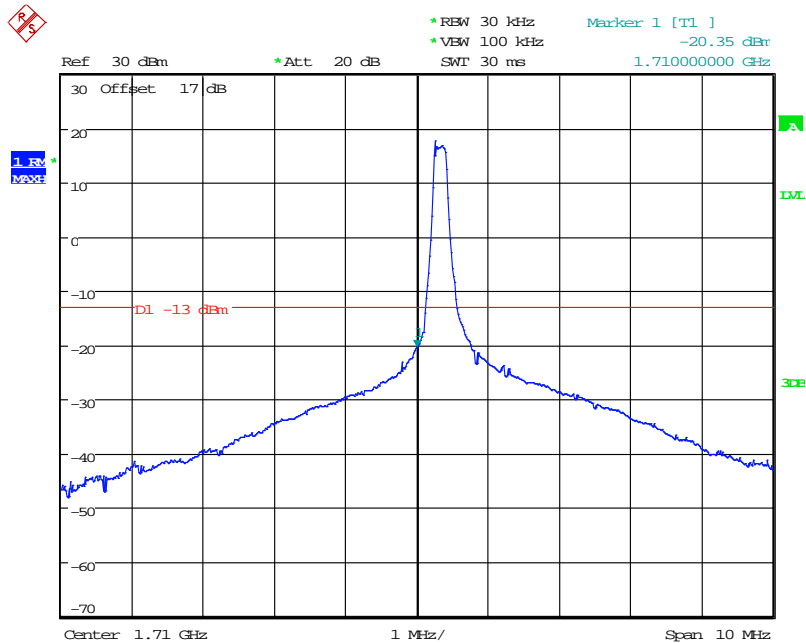


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:49:17

16QAM  
1RB

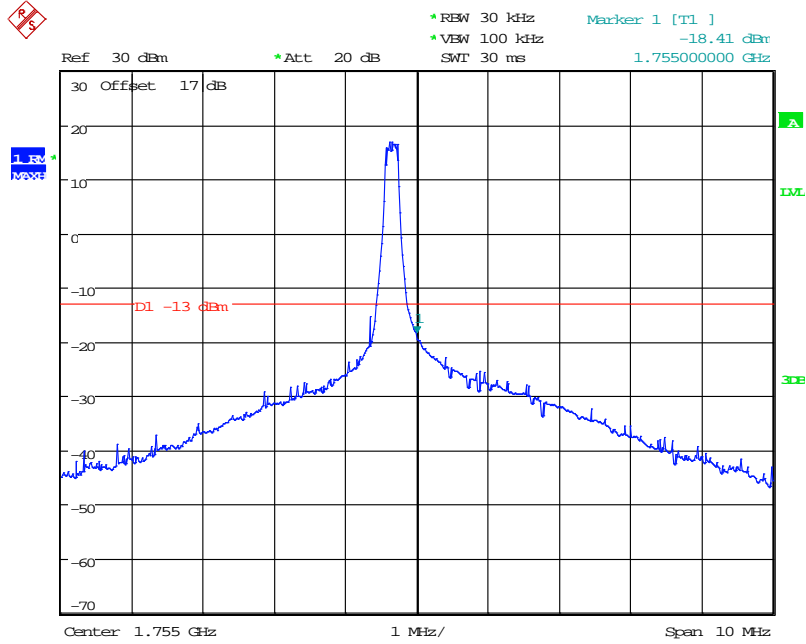


Date: 16.AUG.2024 09:57:18



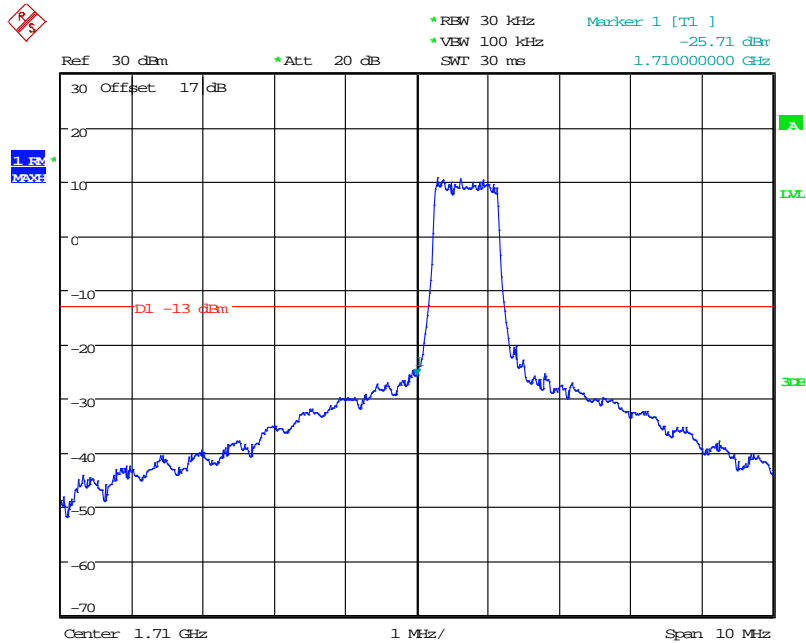
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:52:03

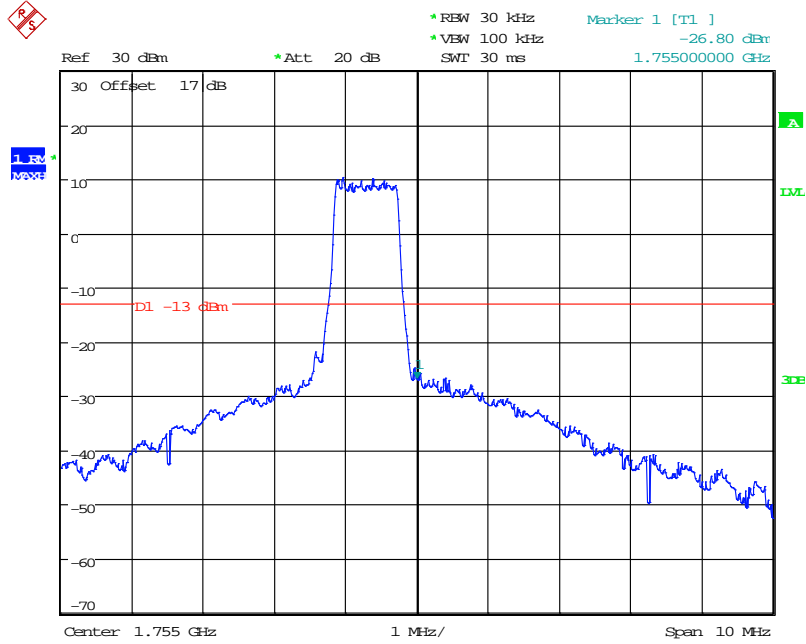
FRB



Date: 16.AUG.2024 09:55:07

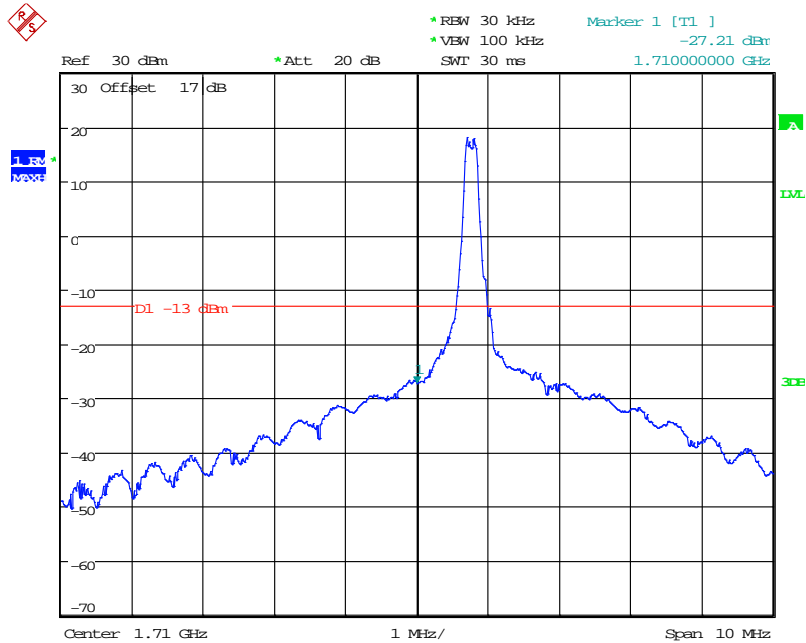


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 09:53:20

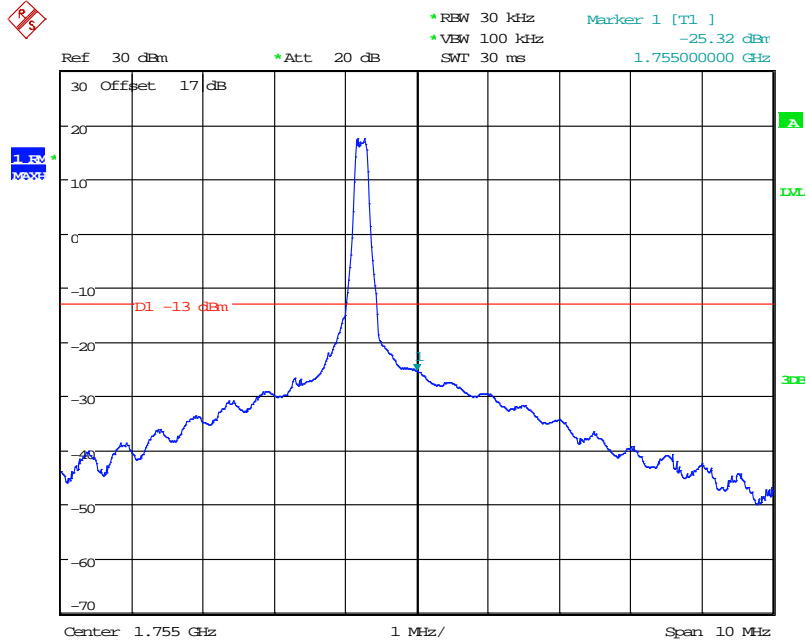
10 MHz  
QPSK  
1RB



Date: 15.AUG.2024 17:00:00

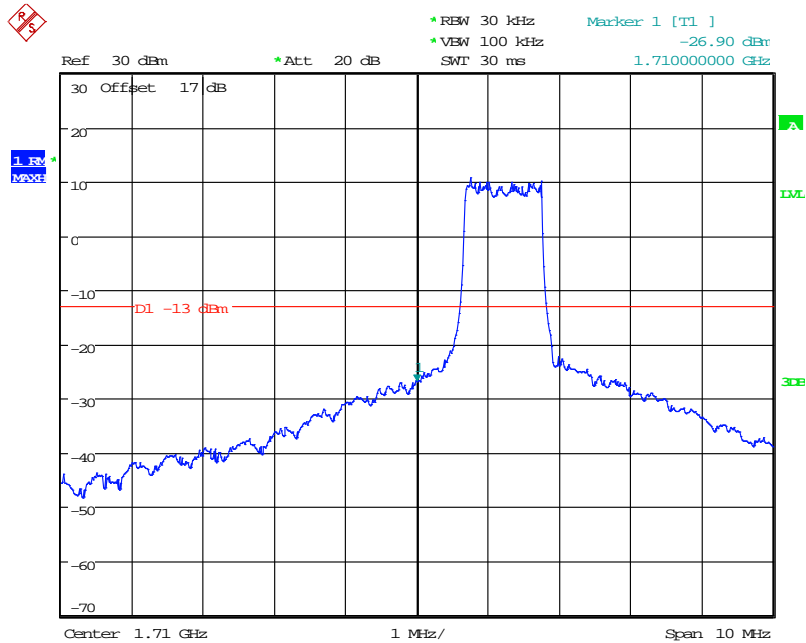


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:05:46

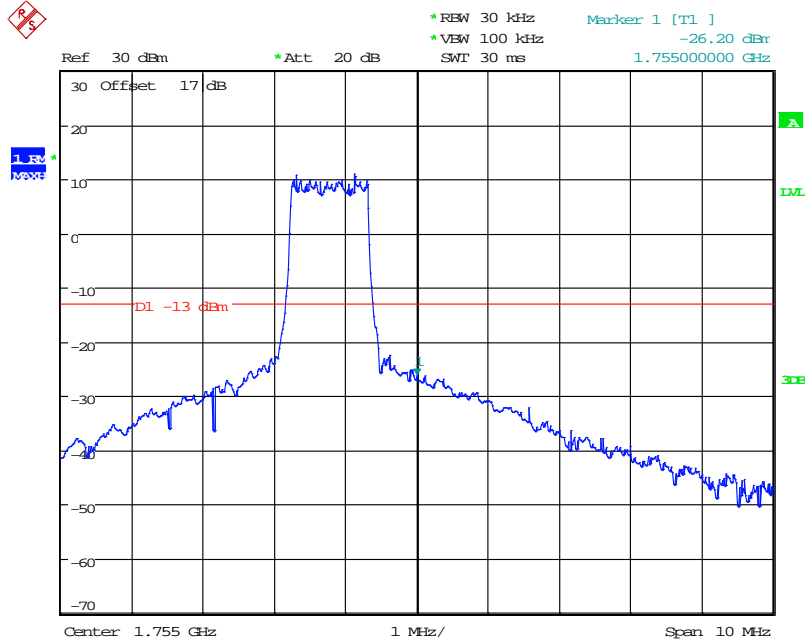
FRB



Date: 15.AUG.2024 17:01:42

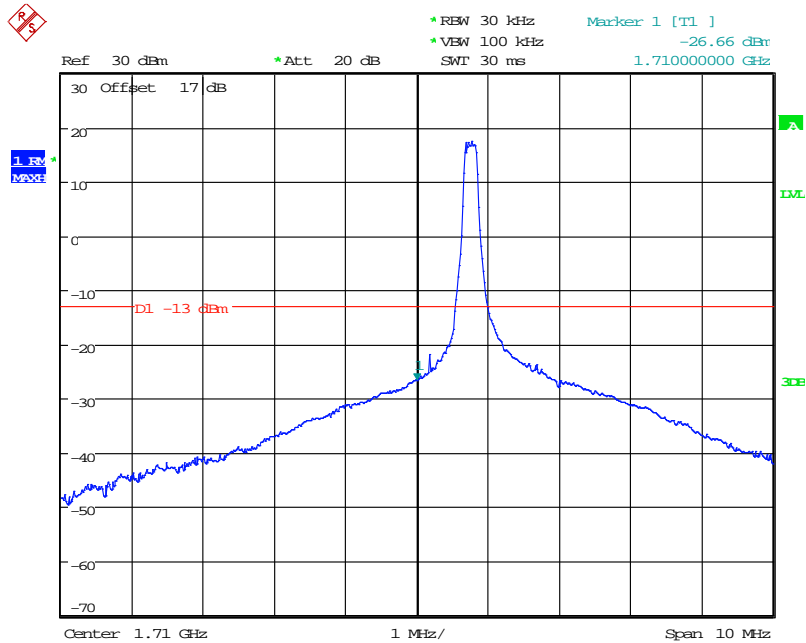


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:03:25

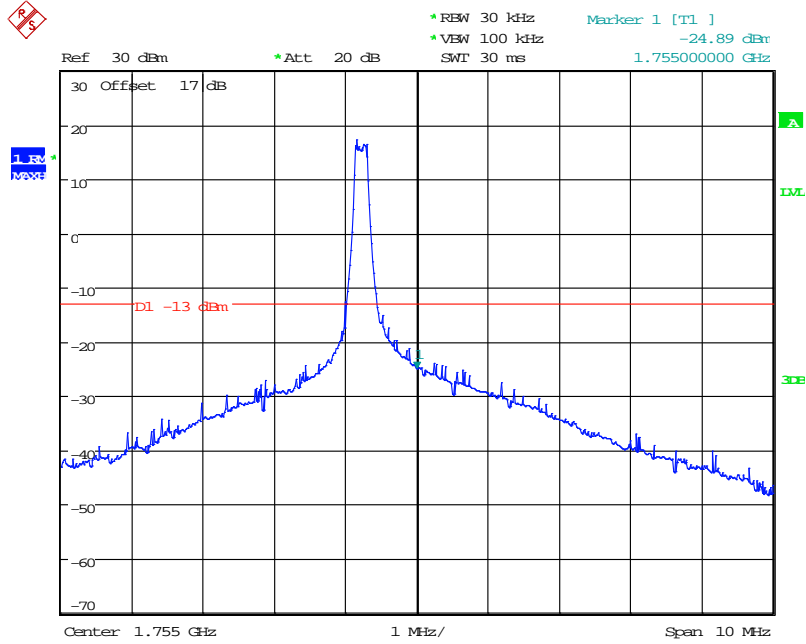
16QAM  
1RB



Date: 15.AUG.2024 16:58:43

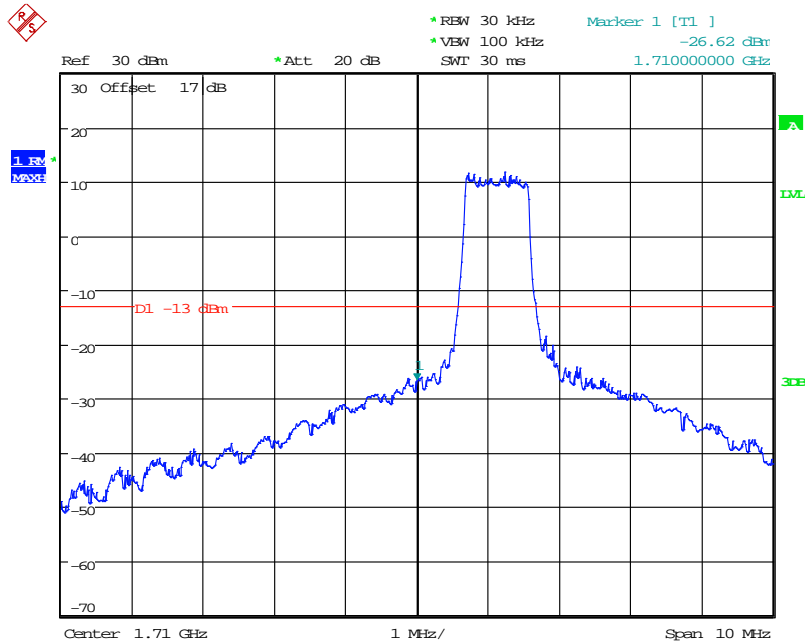


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:07:03

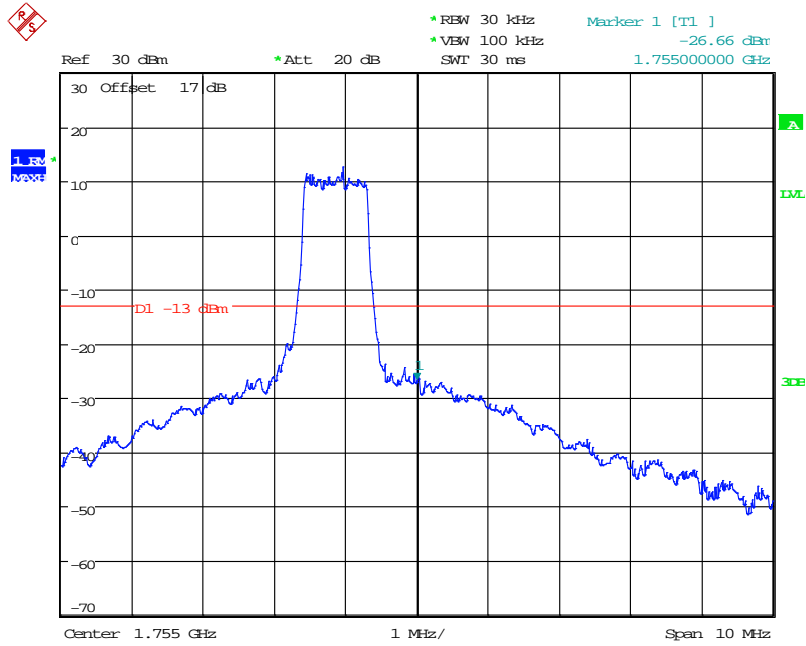
FRB



Date: 15.AUG.2024 16:57:08

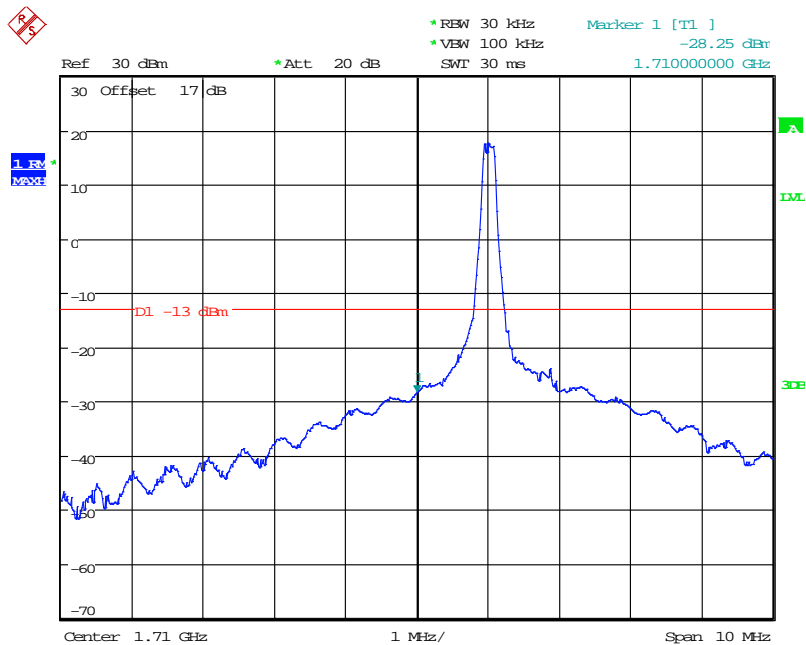


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:08:30

15 MHz  
QPSK  
1RB

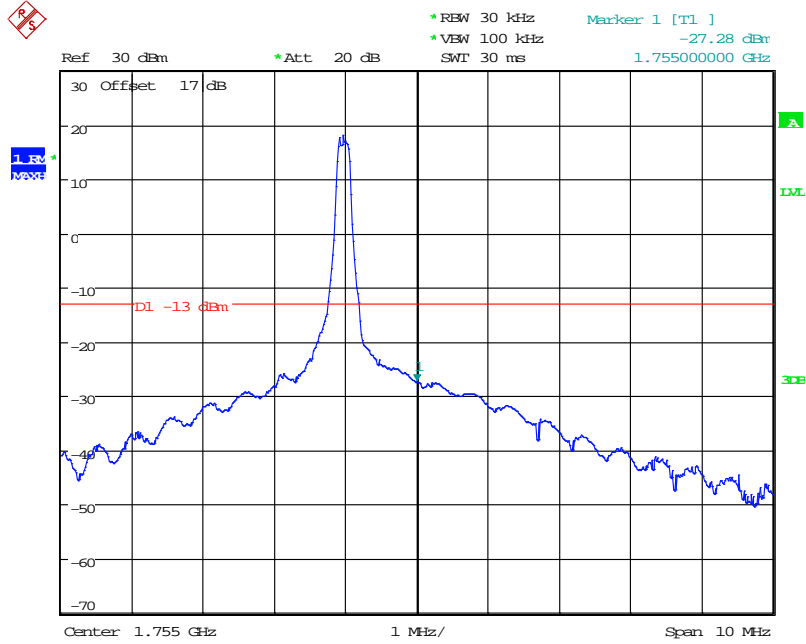


Date: 15.AUG.2024 16:13:25



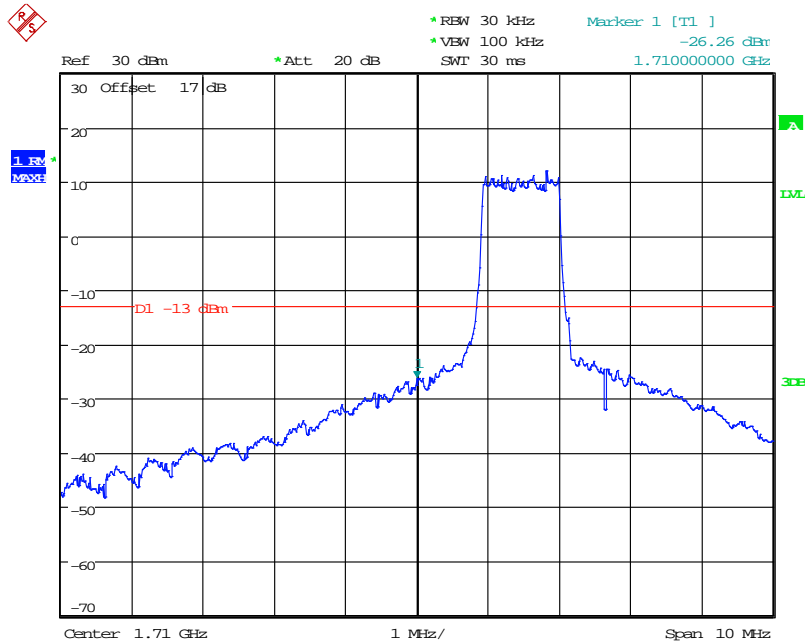


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:05:46

FRB

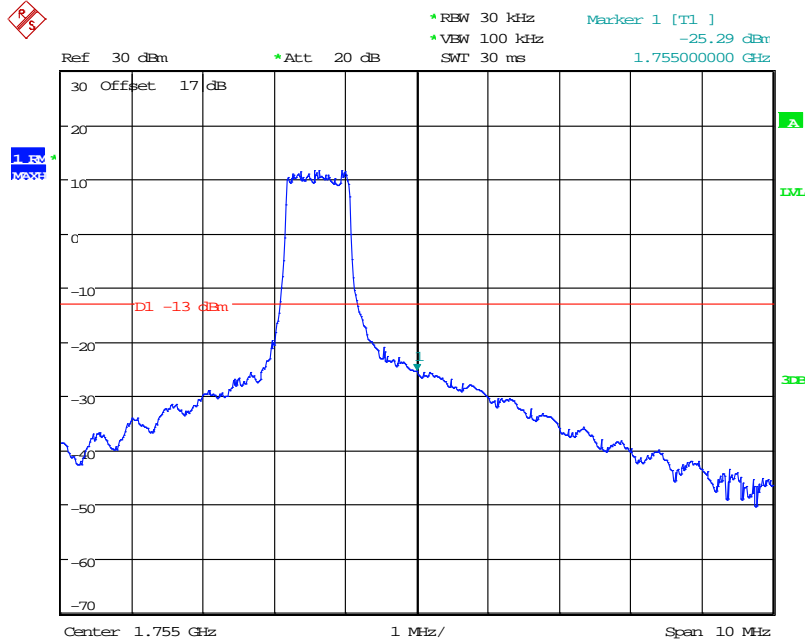


Date: 15.AUG.2024 16:14:47



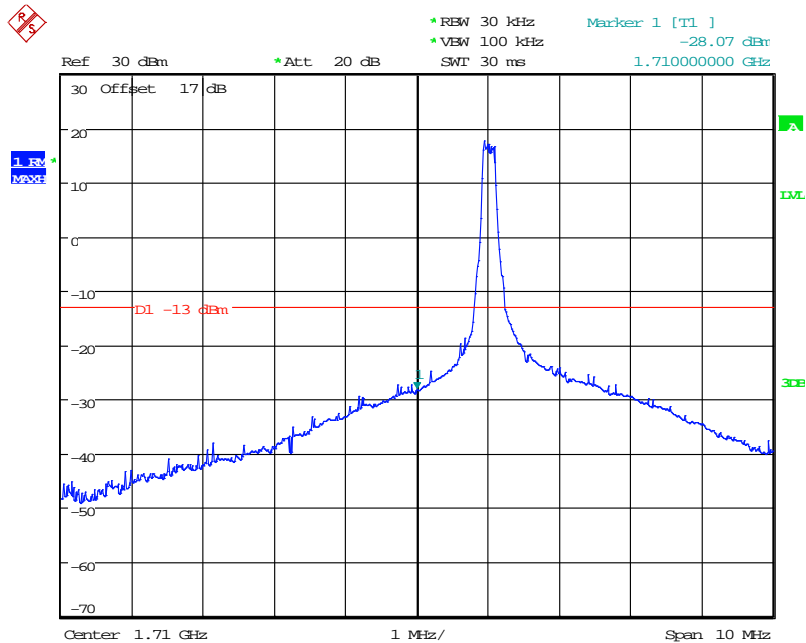
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:04:17

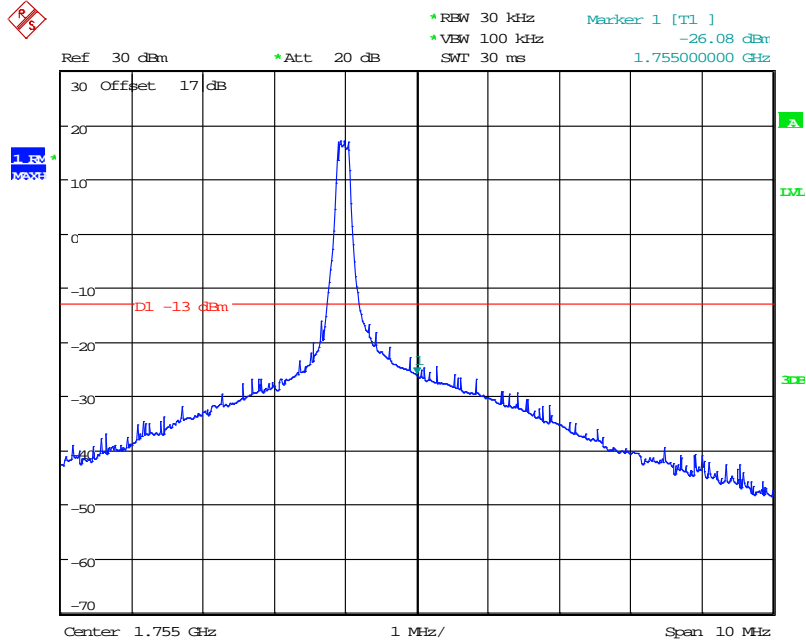
16QAM  
1RB



Date: 15.AUG.2024 16:12:06

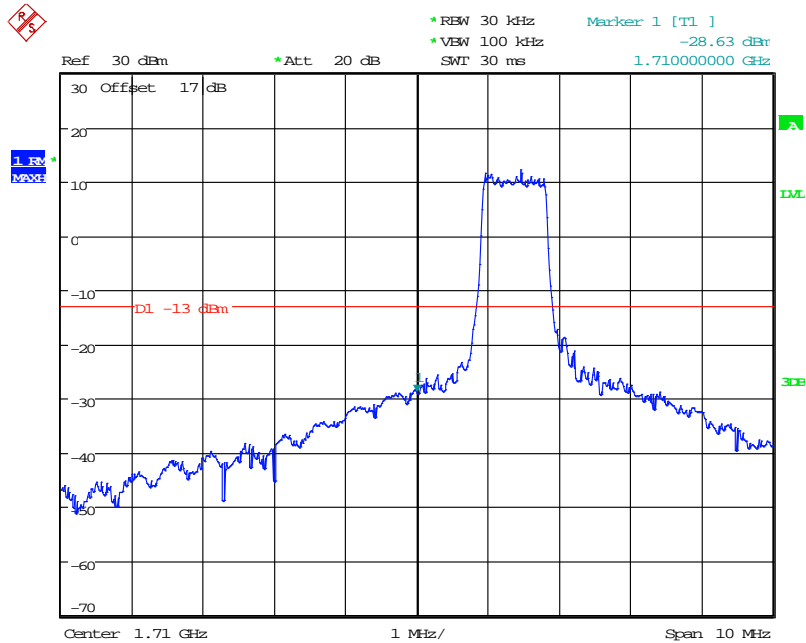


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:07:22

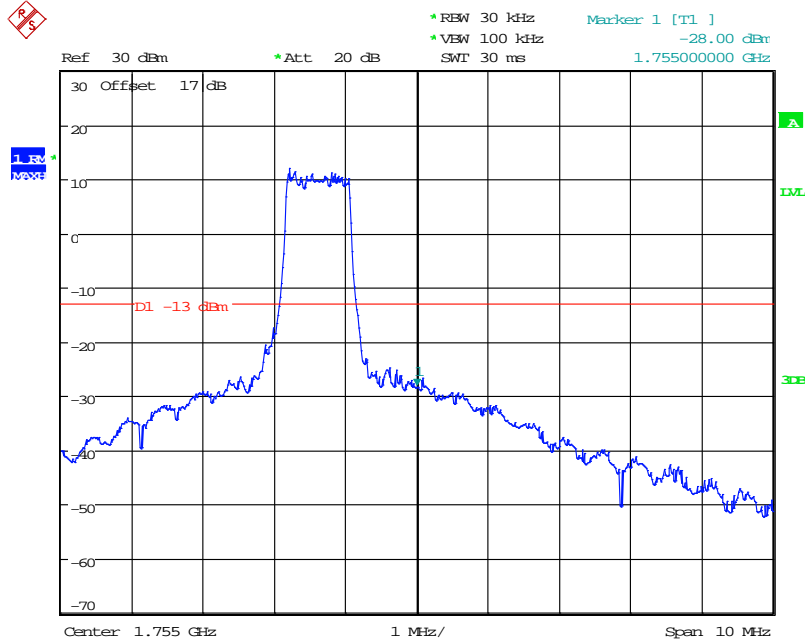
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Date: 15.AUG.2024 16:10:20

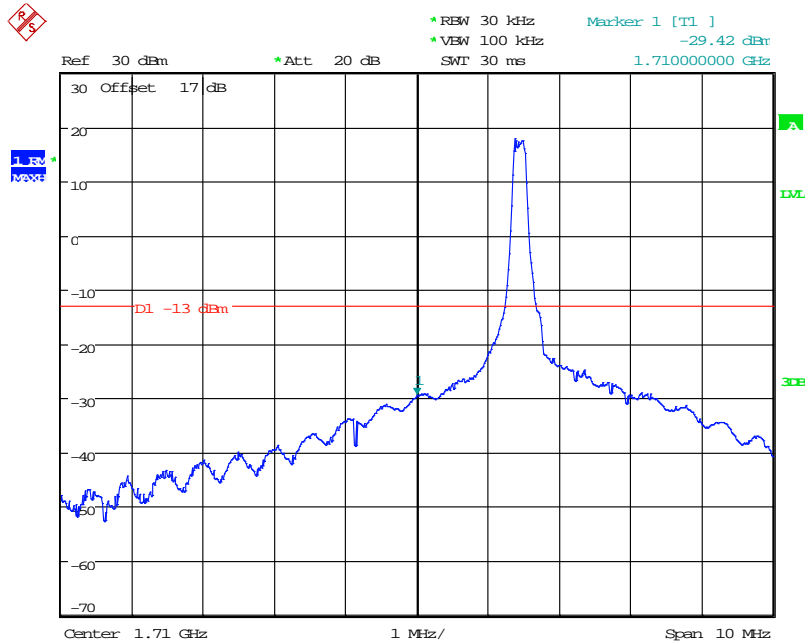


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:19:02

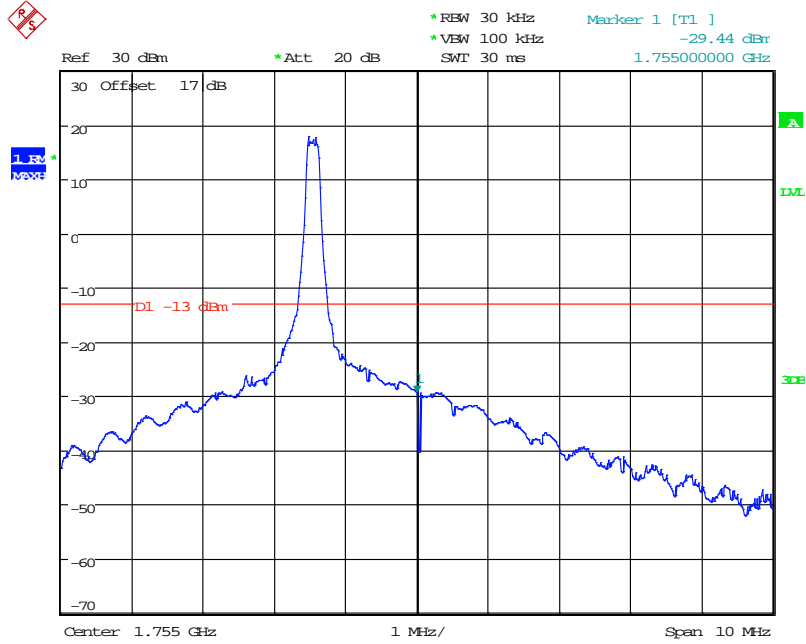
20 MHz  
QPSK  
1RB



Date: 15.AUG.2024 14:50:43

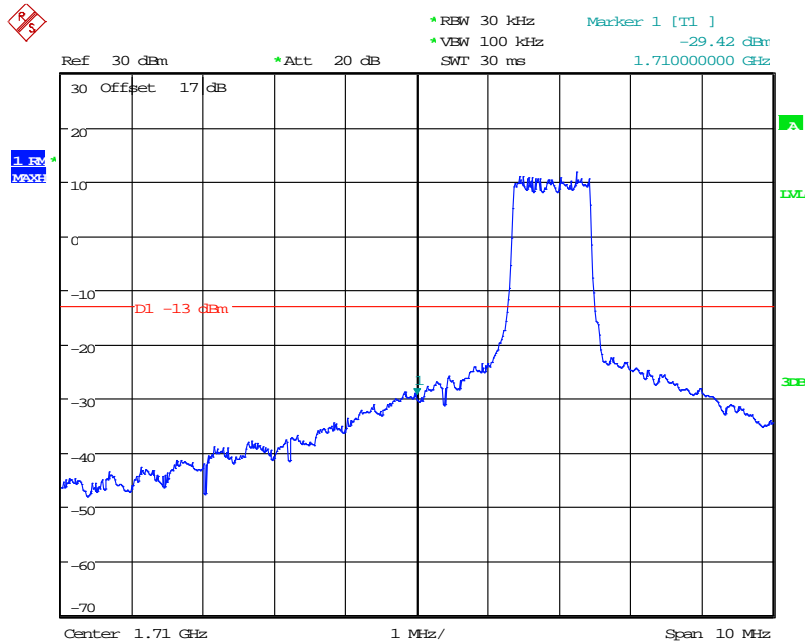


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:52:13

FRB

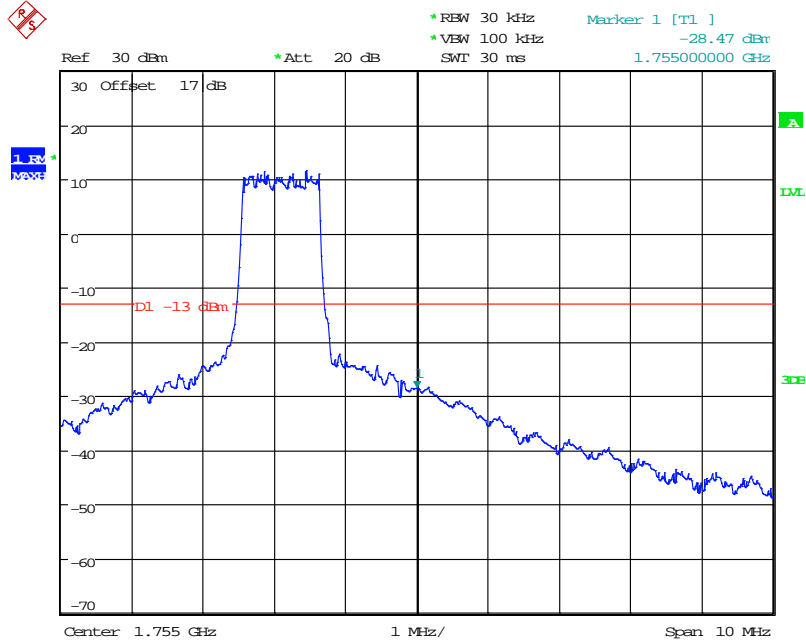


Date: 15.AUG.2024 14:49:08



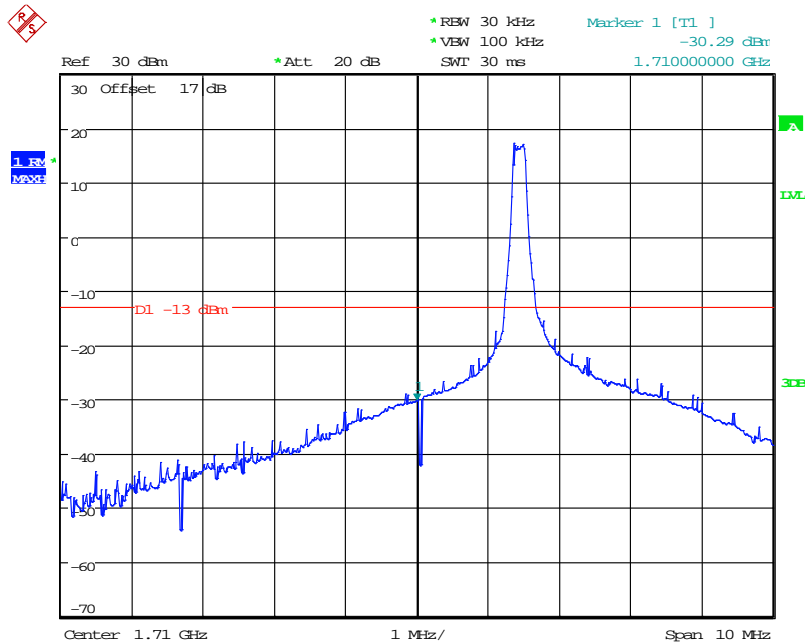
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FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:53:52

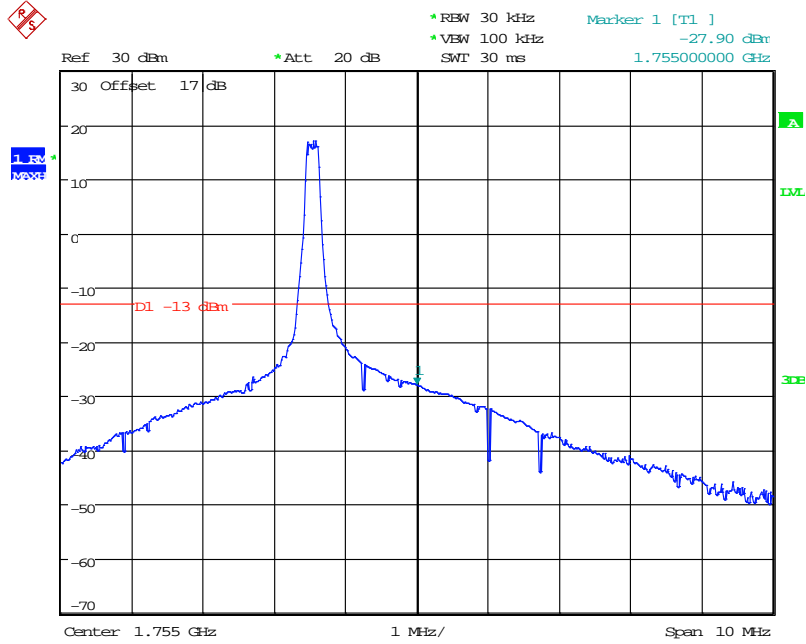
16QAM  
1RB



Date: 15.AUG.2024 14:46:16

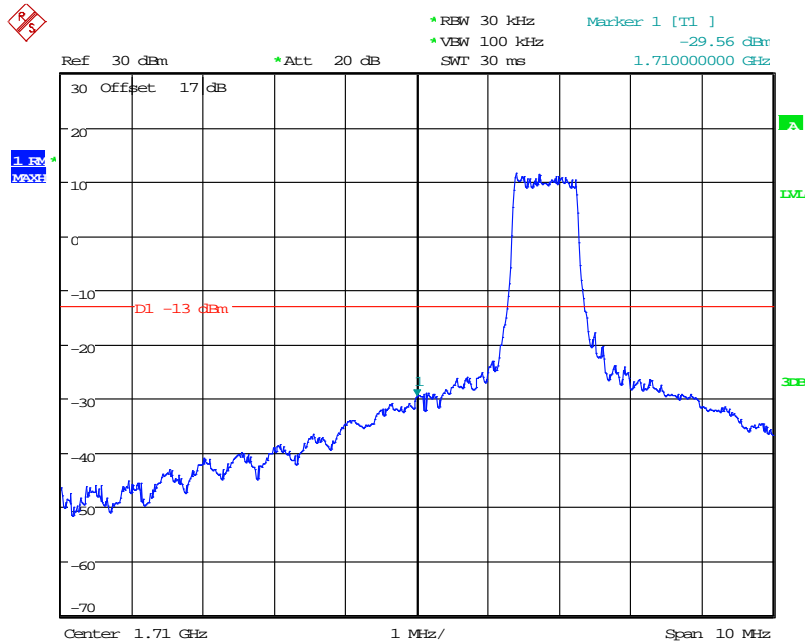


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Date: 15.AUG.2024 14:56:54

FRB

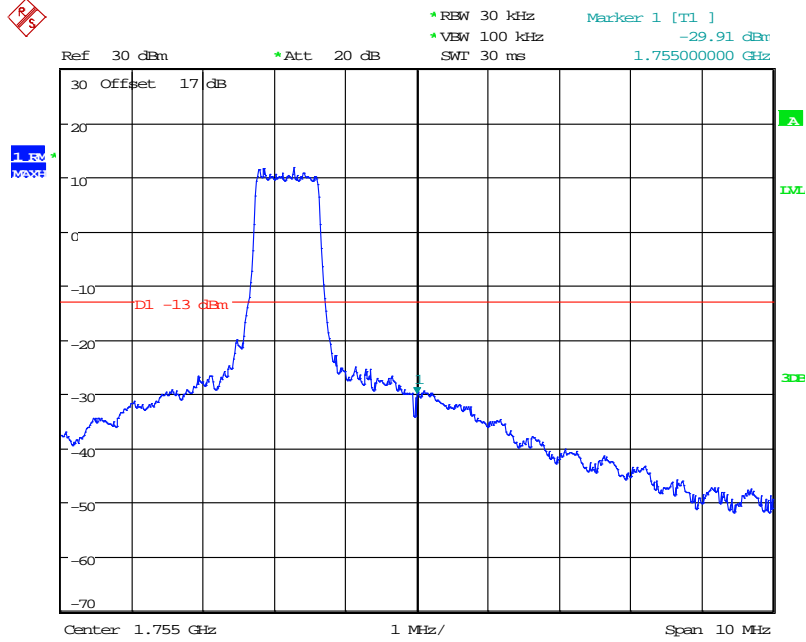


Date: 15.AUG.2024 14:47:43



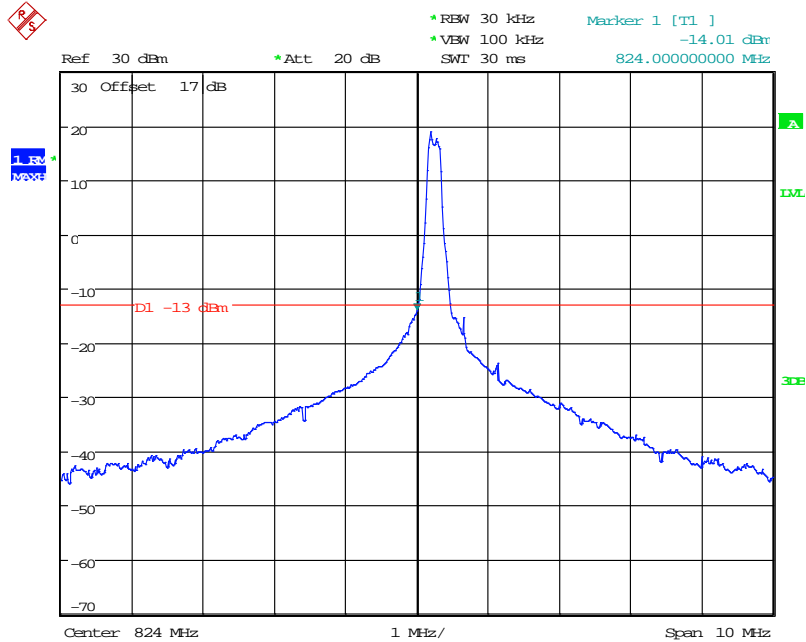
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 14:55:40

Band 5  
1.4 MHz  
QPSK  
1RB

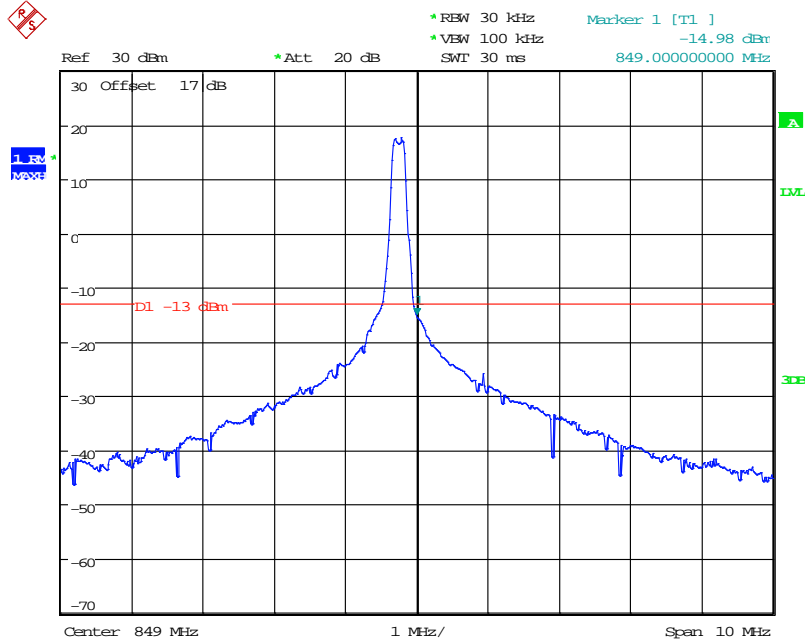


Date: 16.AUG.2024 14:24:42



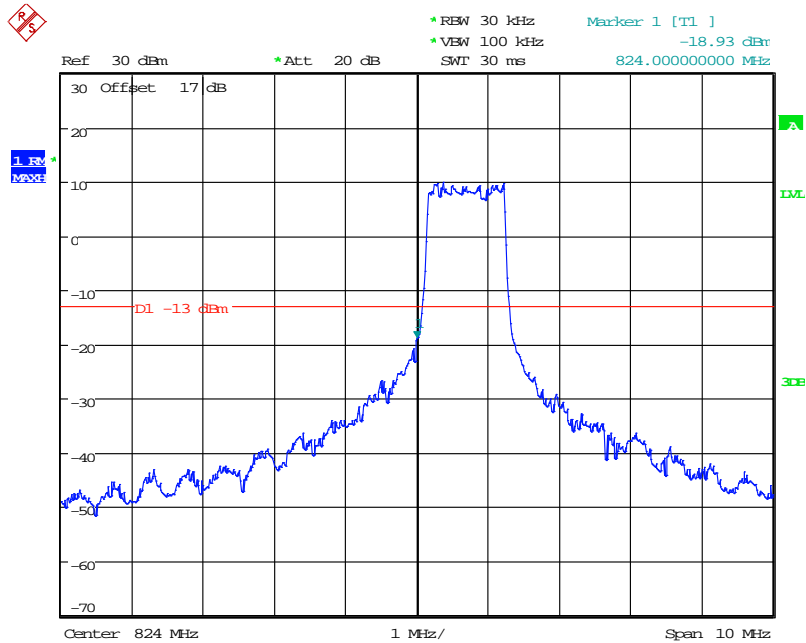


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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:13:32

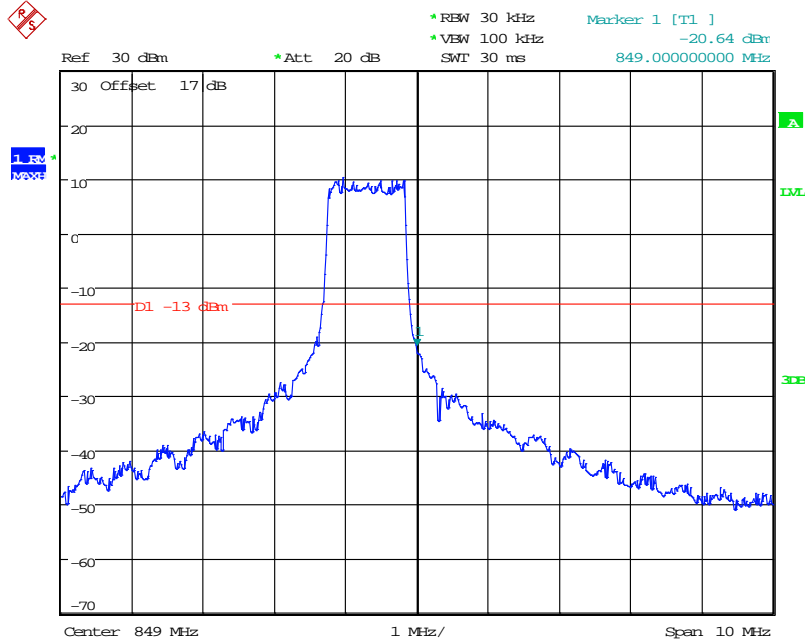
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Date: 16.AUG.2024 14:26:05

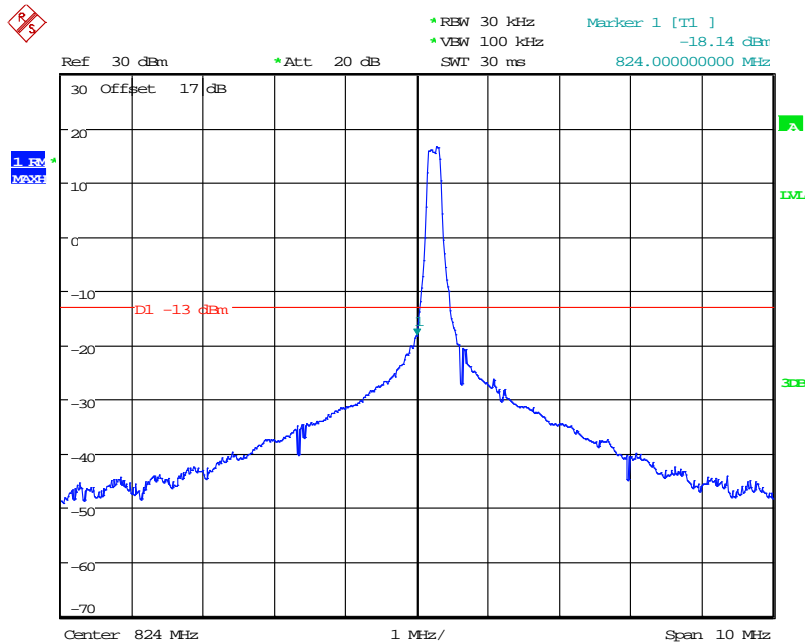


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:11:56

16QAM  
1RB

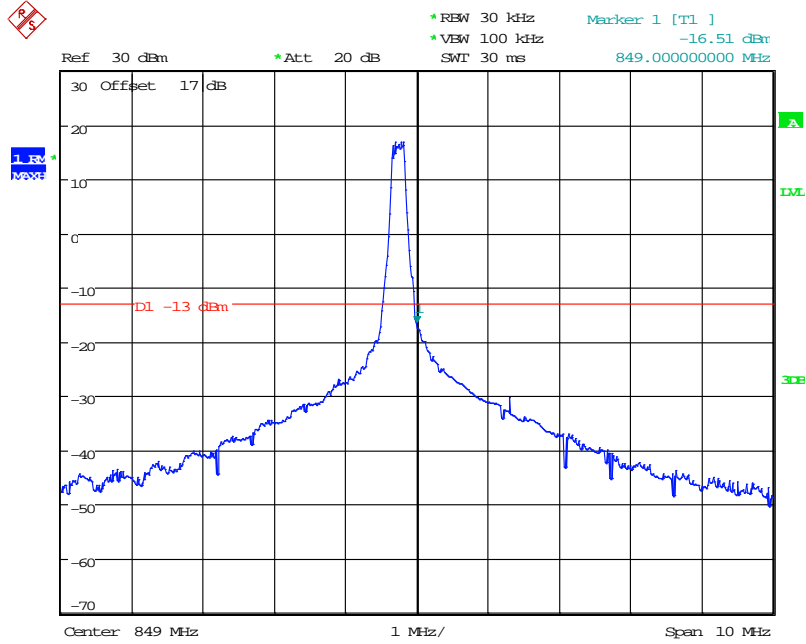


Date: 16.AUG.2024 14:23:03



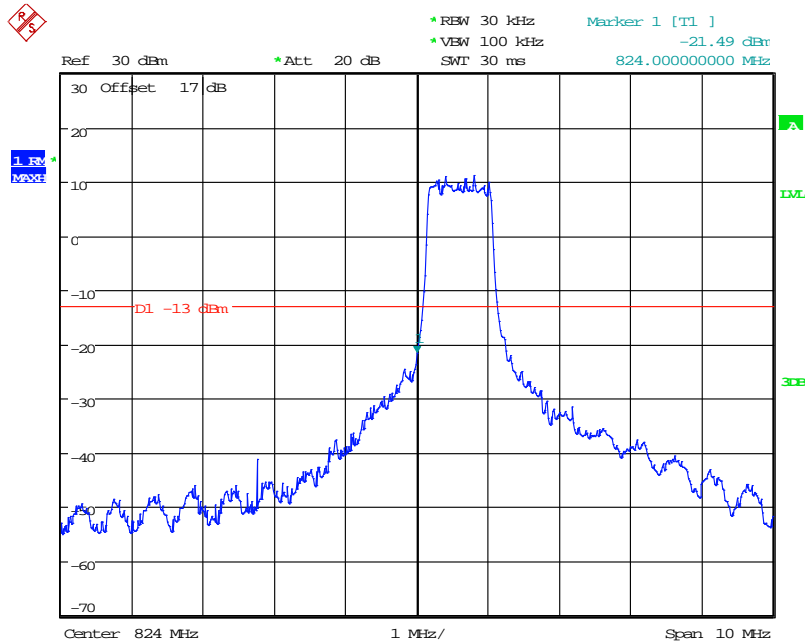
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:15:06

FRB

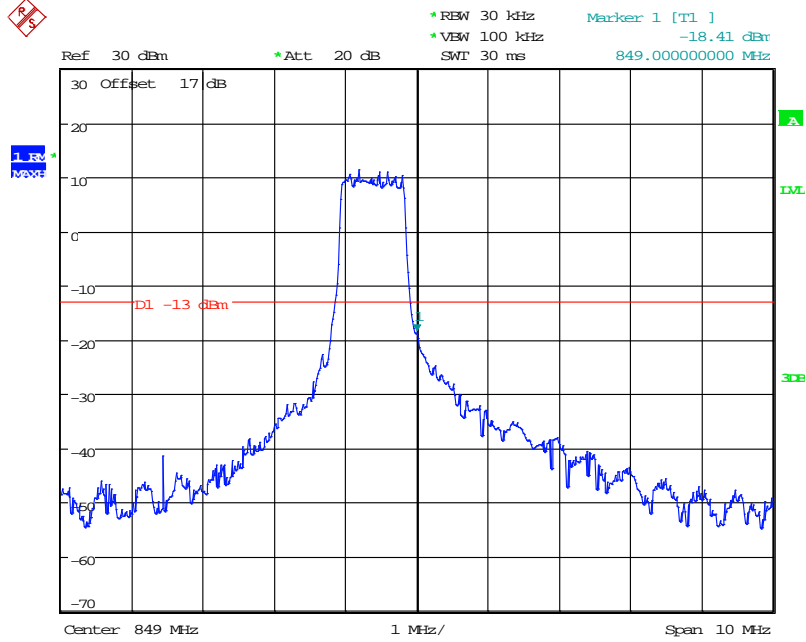


Date: 16.AUG.2024 14:21:42



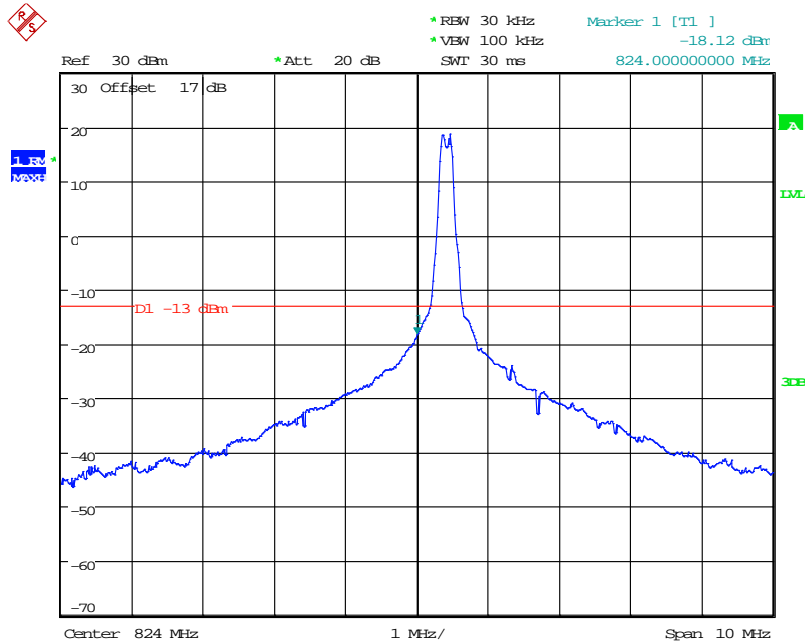
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Date: 16.AUG.2024 14:16:26

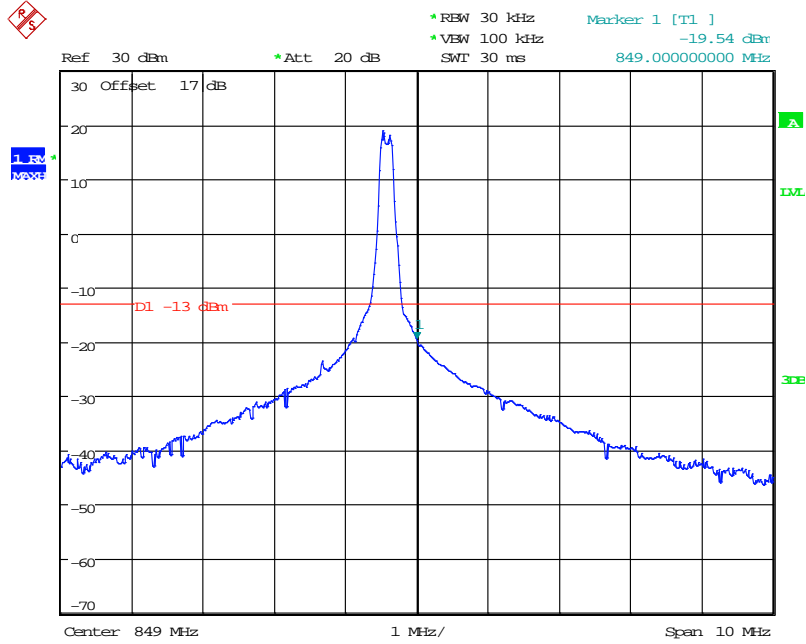
3 MHz  
QPSK  
1RB



Date: 16.AUG.2024 11:15:22

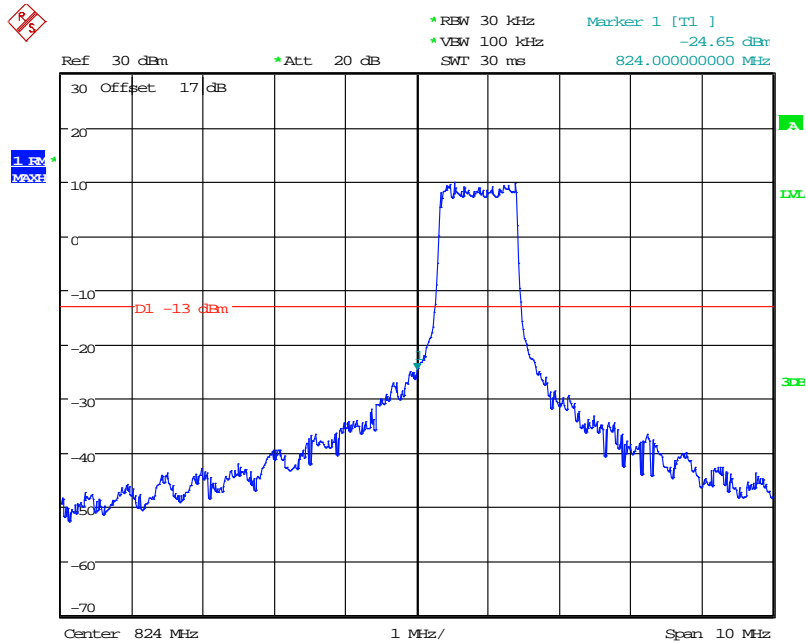


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 11:07:52

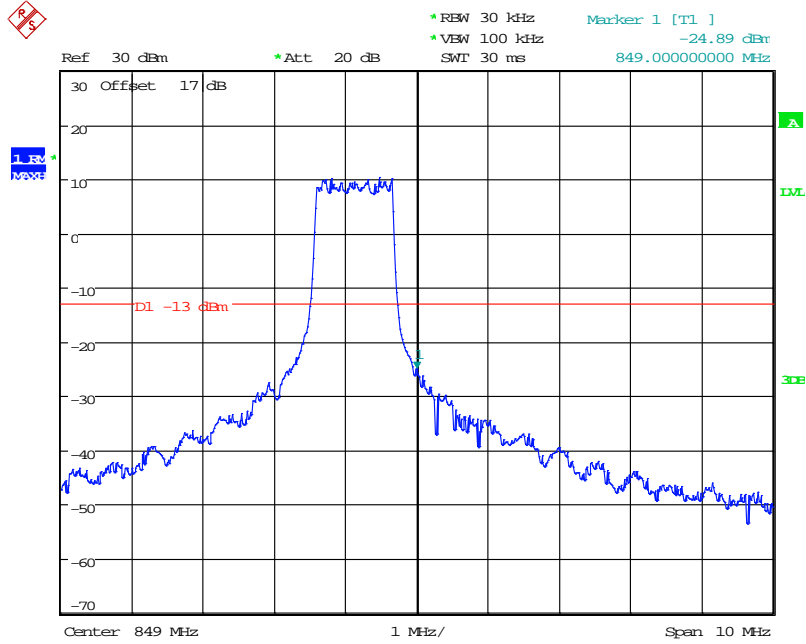
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Date: 16.AUG.2024 11:16:07

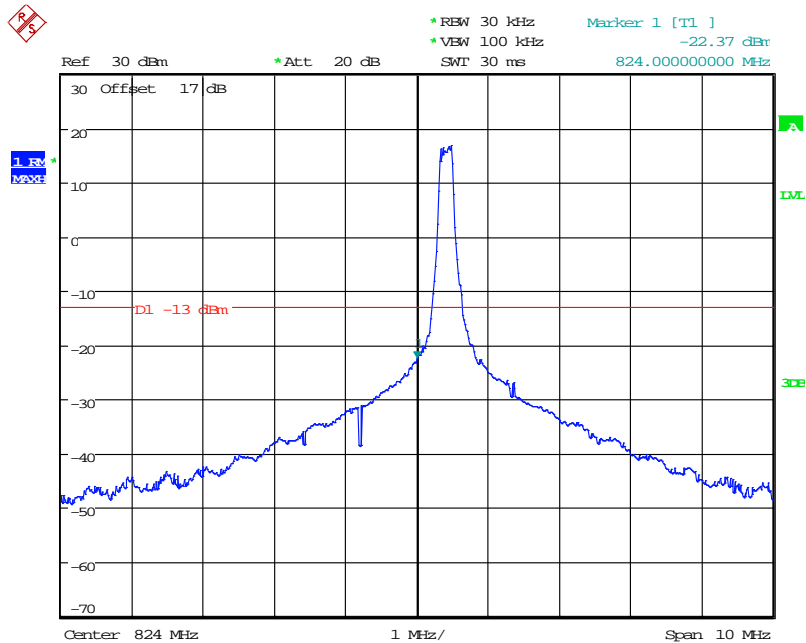


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 11:06:35

16QAM  
1RB

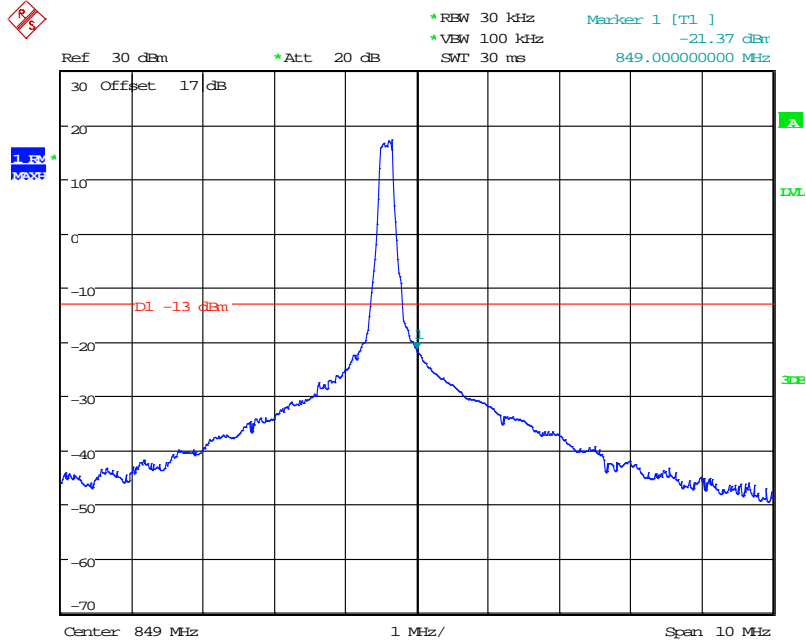


Date: 16.AUG.2024 11:14:10



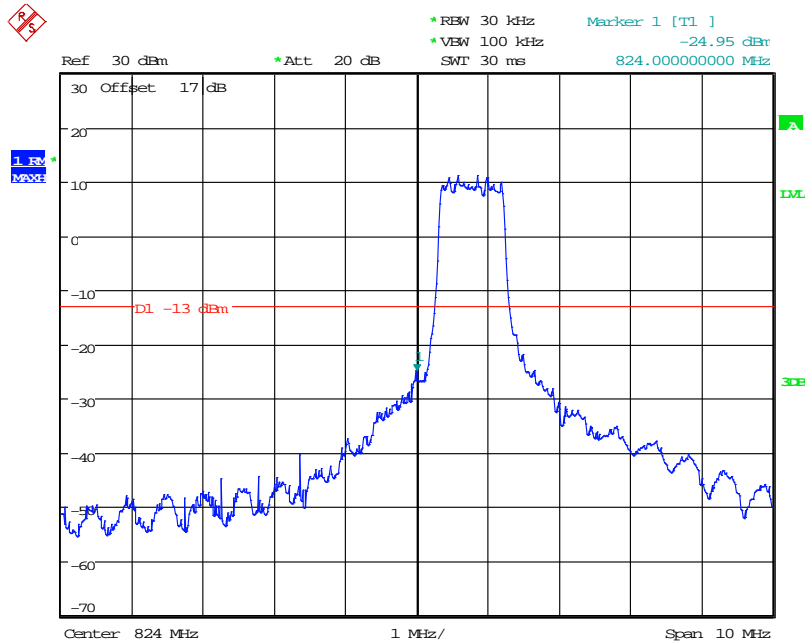
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:09:41

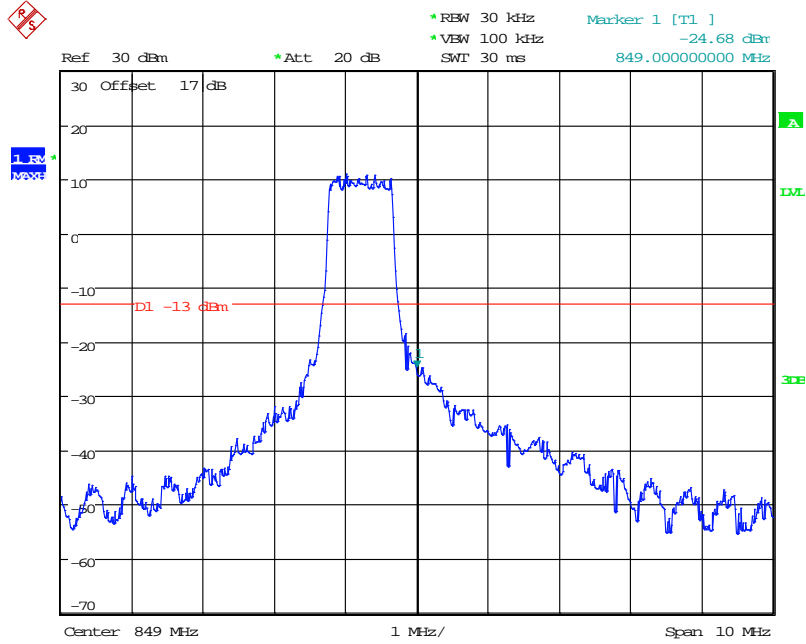
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Date: 16.AUG.2024 11:12:52

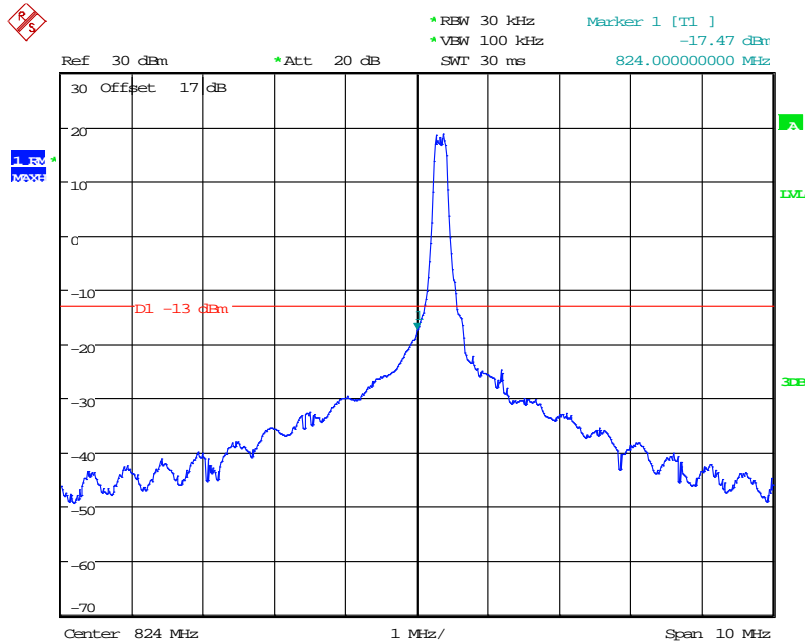


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 11:11:07

5 MHz  
QPSK  
1RB

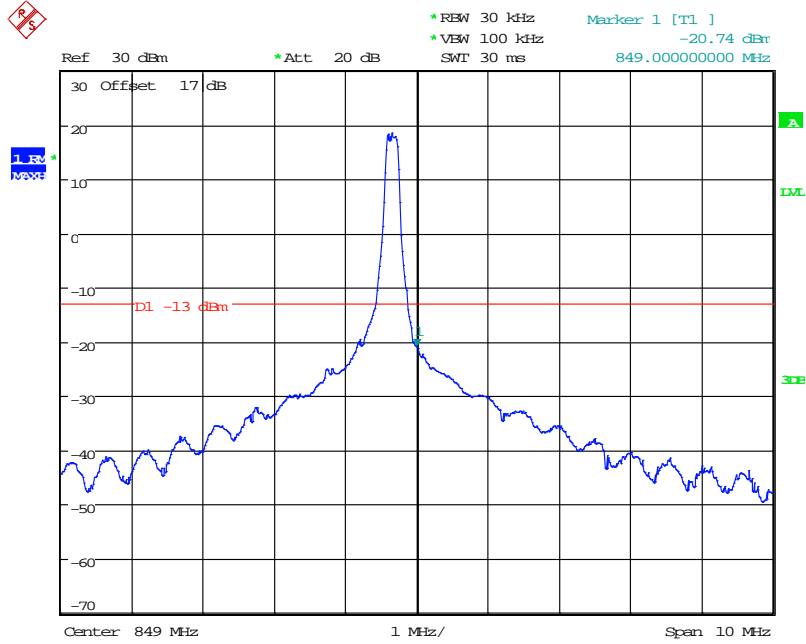


Date: 16.AUG.2024 09:37:30



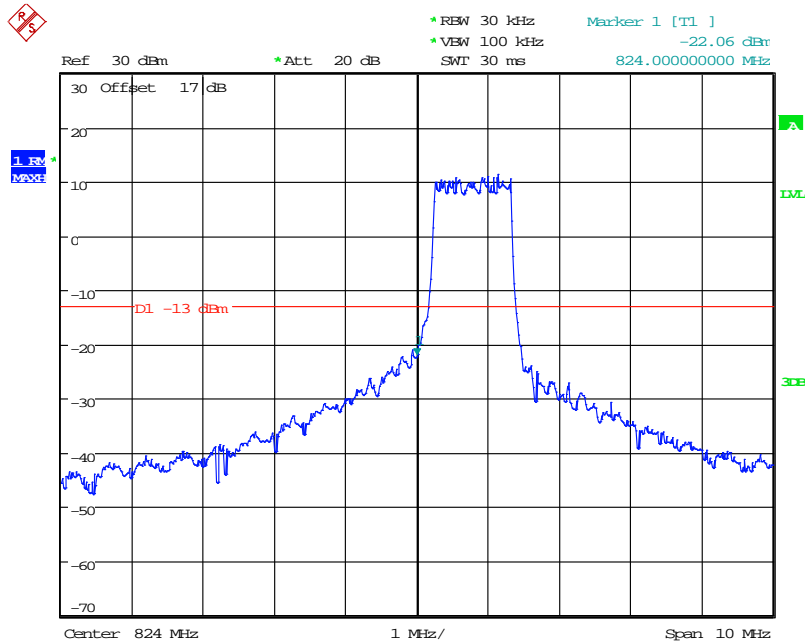


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:46:04

FRB

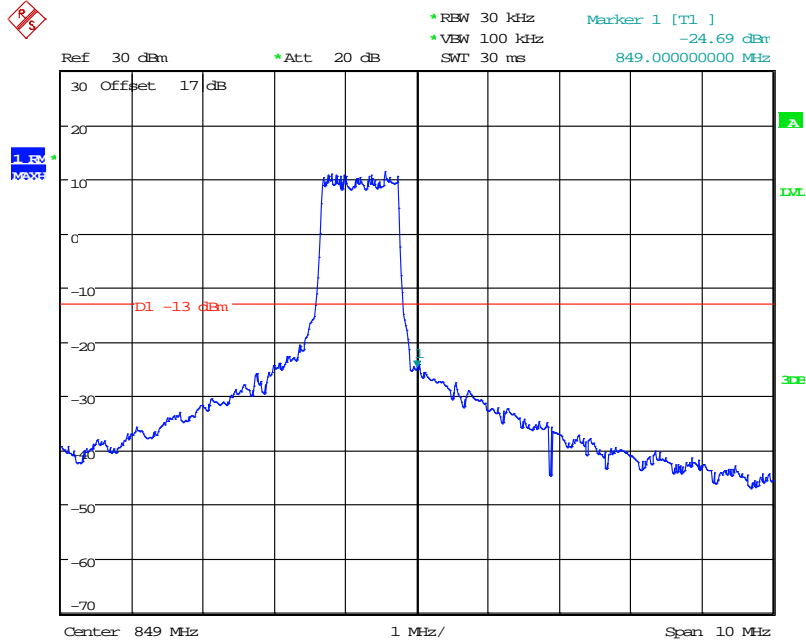


Date: 16.AUG.2024 09:36:36



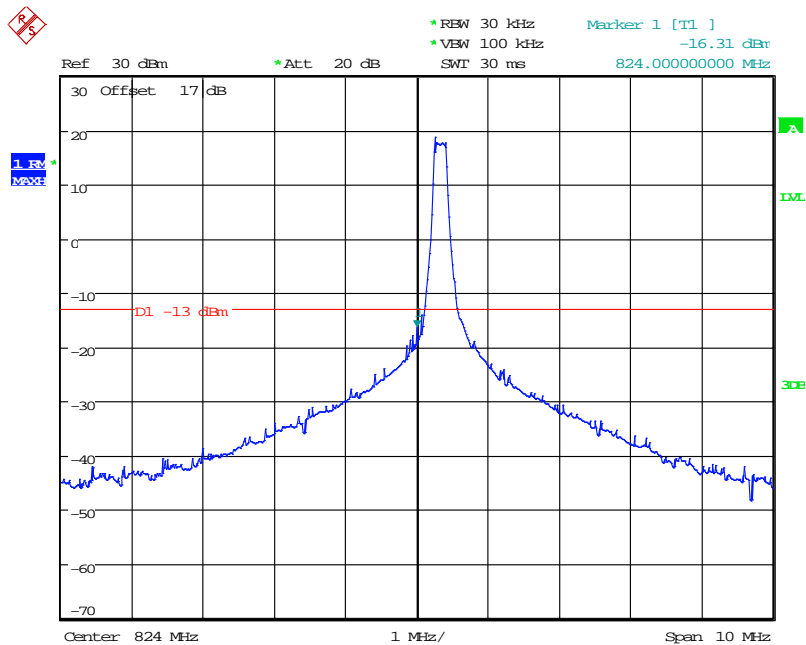
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:47:29

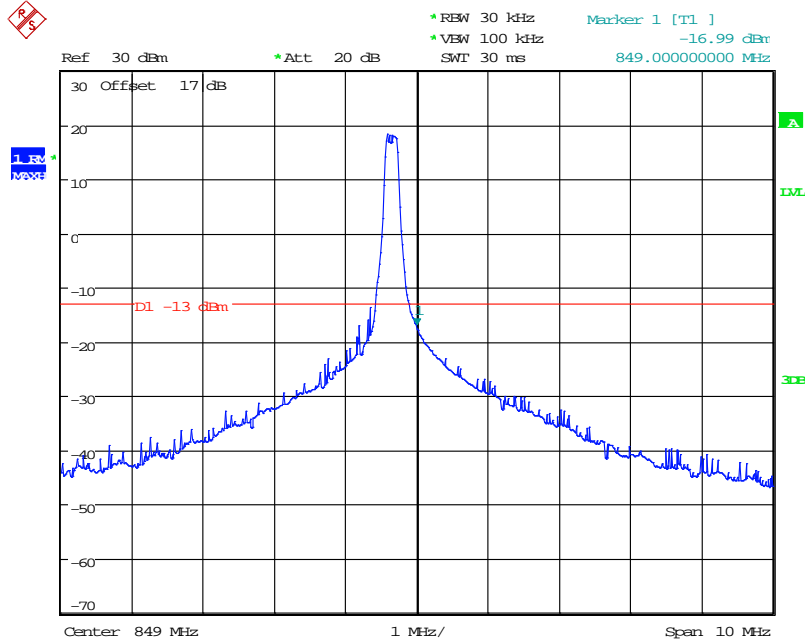
16QAM  
1RB



Date: 16.AUG.2024 09:38:56

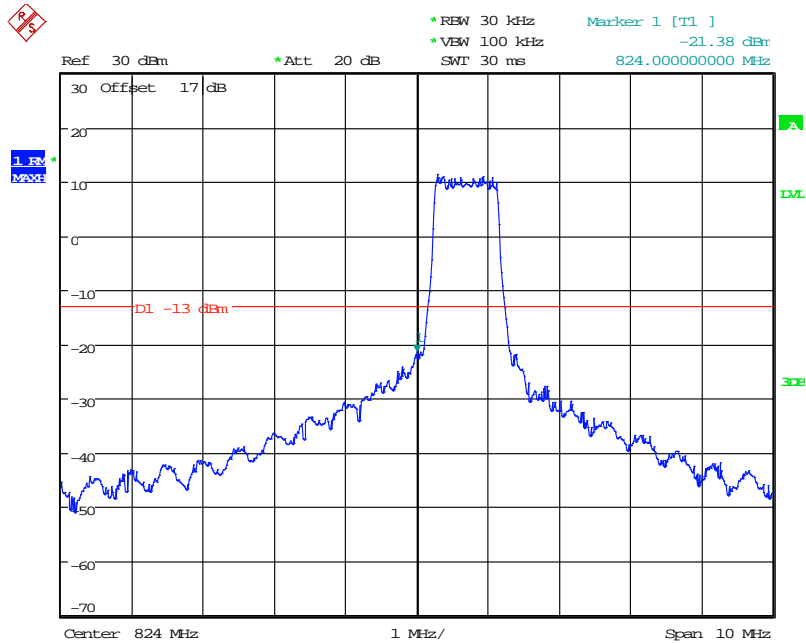


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 09:44:22

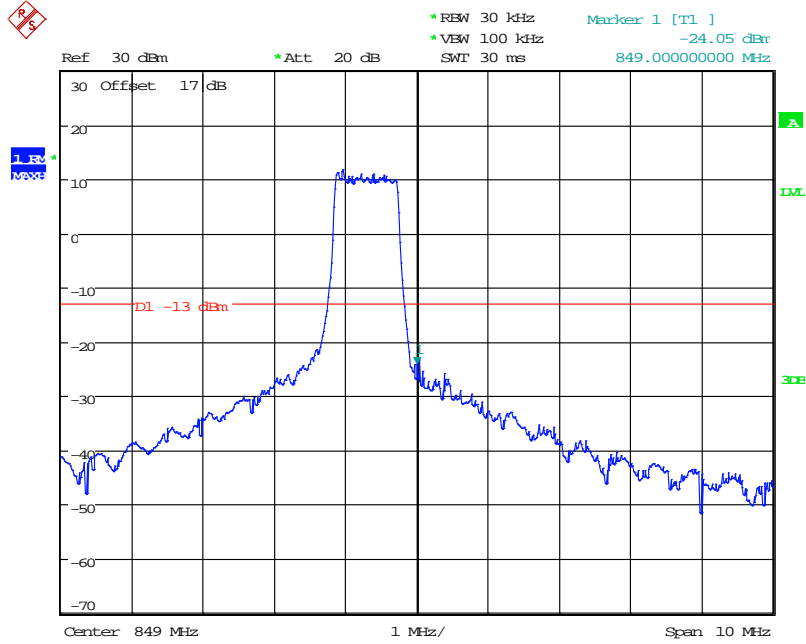
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Date: 16.AUG.2024 09:40:13

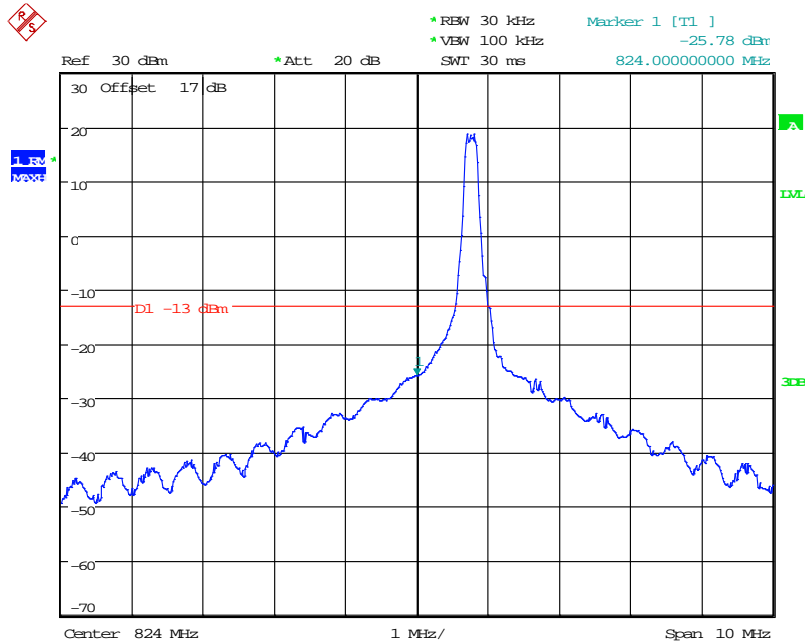


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 09:41:50

10 MHz  
QPSK  
1RB

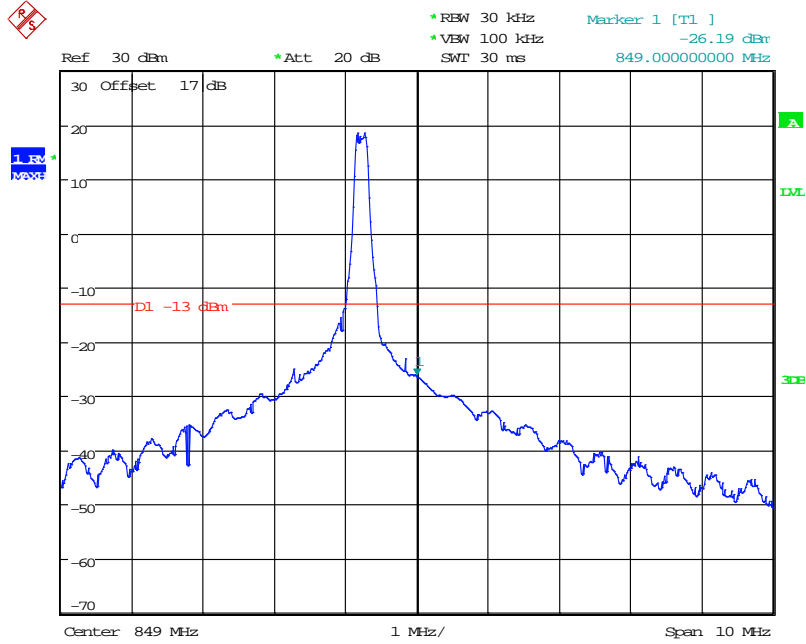


Date: 15.AUG.2024 17:26:07



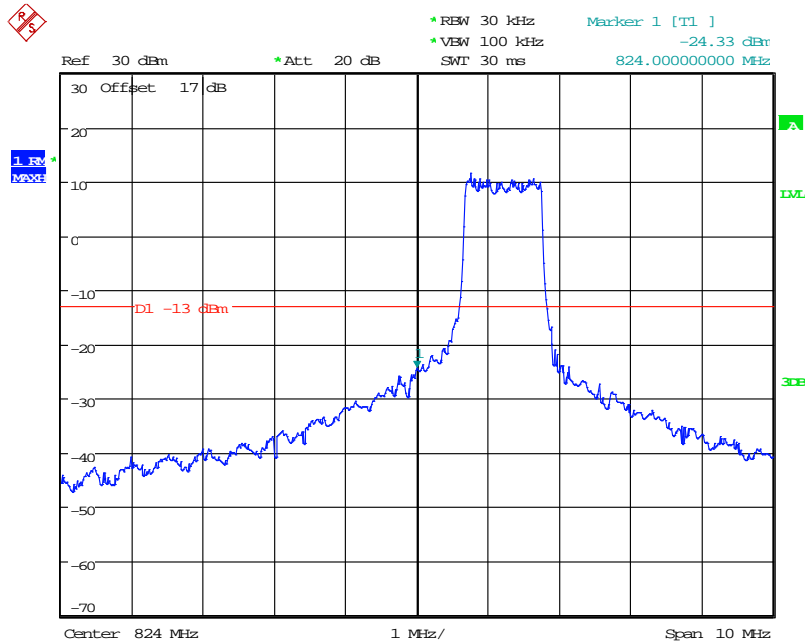
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FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:21:59

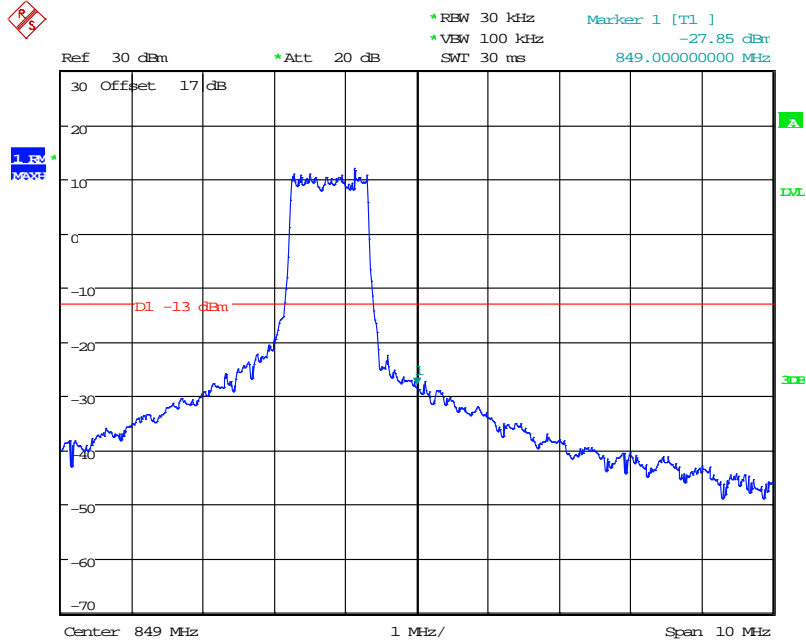
FRB



Date: 15.AUG.2024 17:24:53

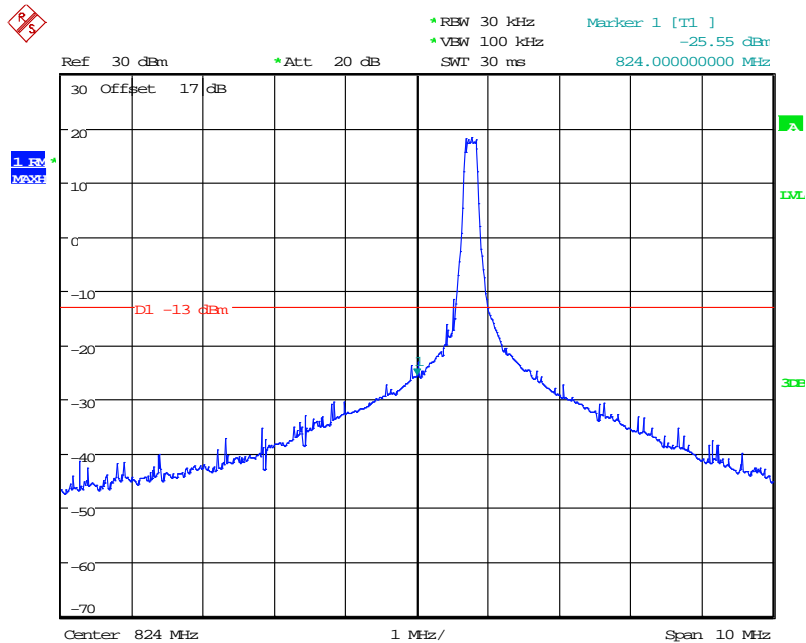


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Date: 15.AUG.2024 17:23:40

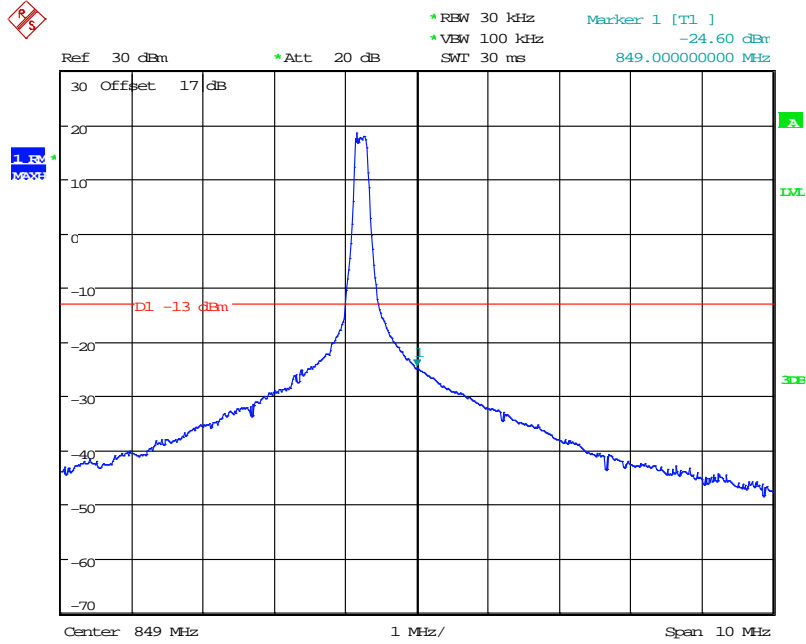
16QAM  
1RB



Date: 15.AUG.2024 17:27:16

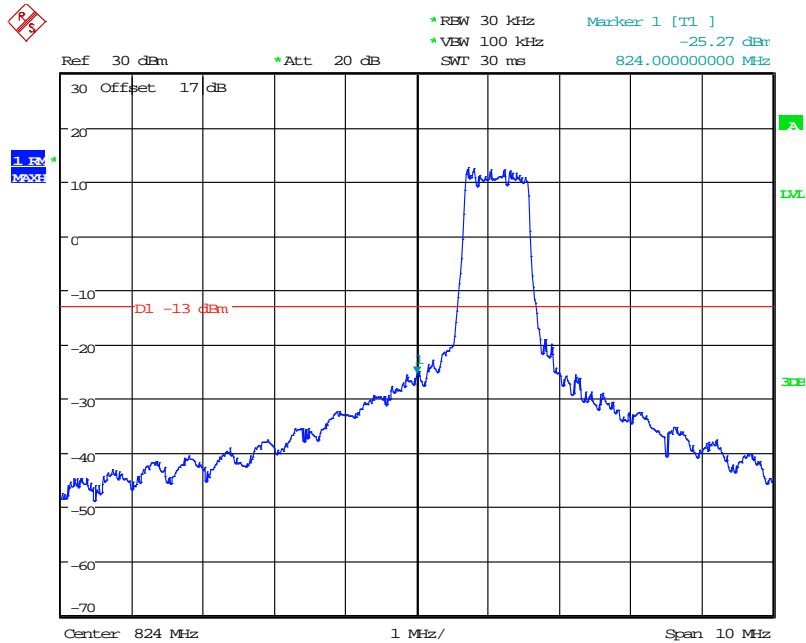


Registration number: W6M22407-23644-C-247  
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Date: 15.AUG.2024 17:20:39

FRB

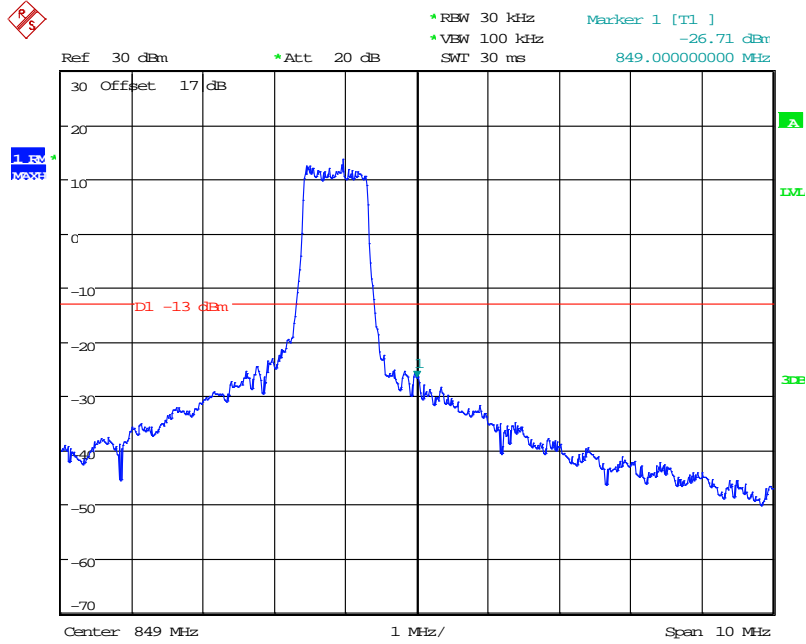


Date: 15.AUG.2024 17:28:37



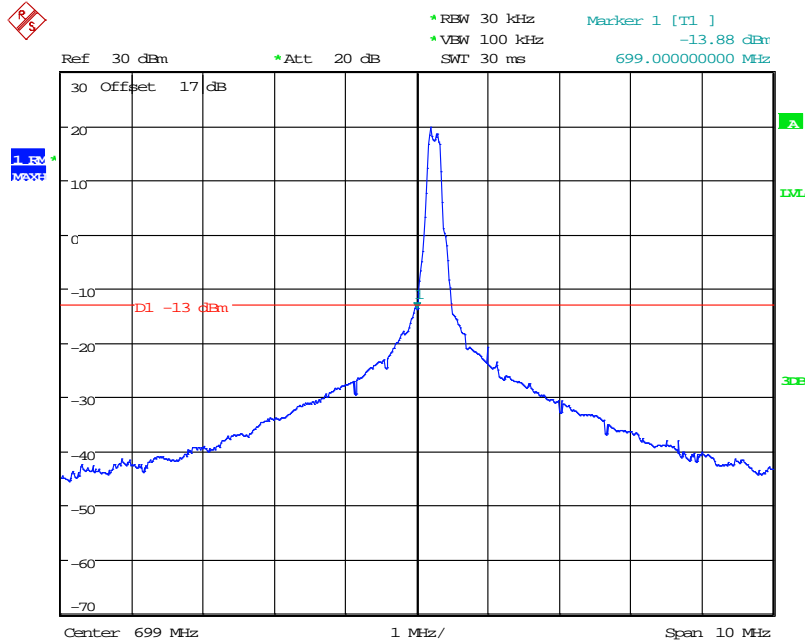
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:18:33

Band 12  
1.4 MHz  
QPSK  
1RB



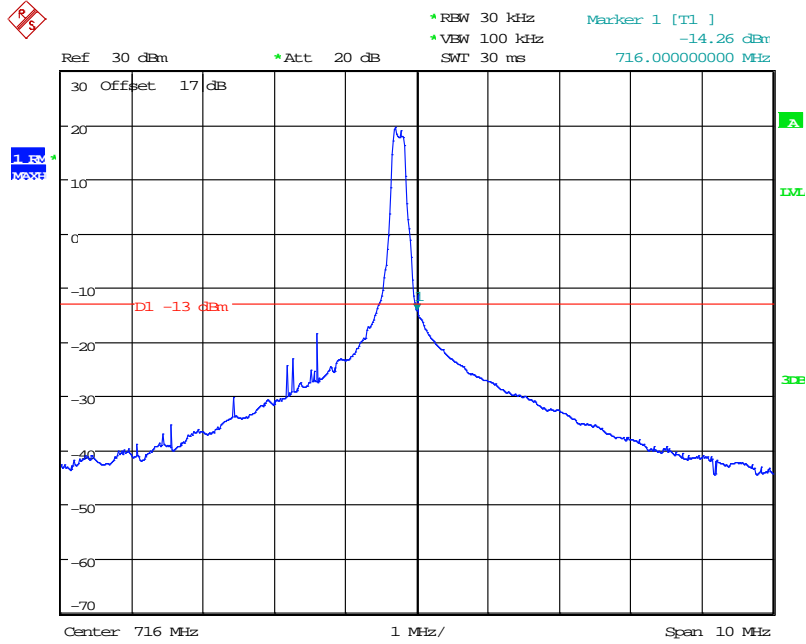
Date: 16.AUG.2024 13:40:15





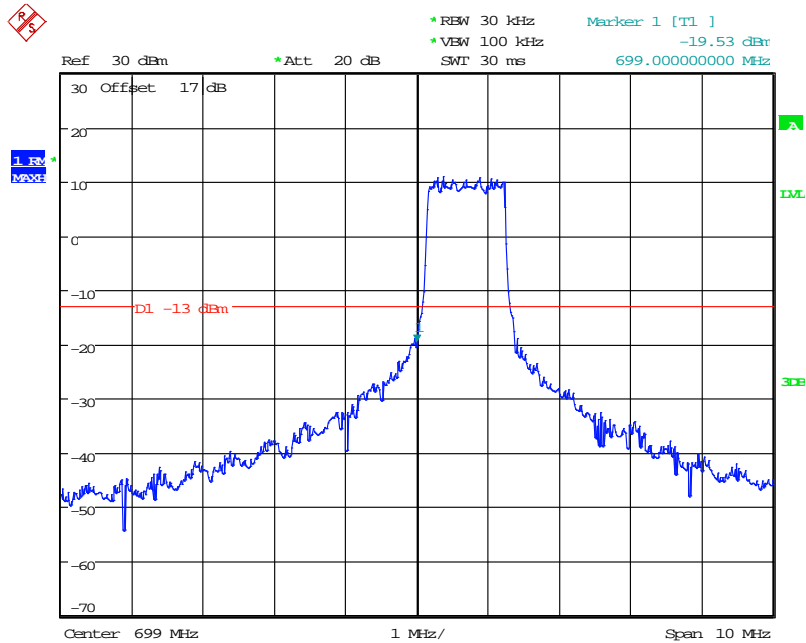
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Date: 16.AUG.2024 14:06:48

FRB

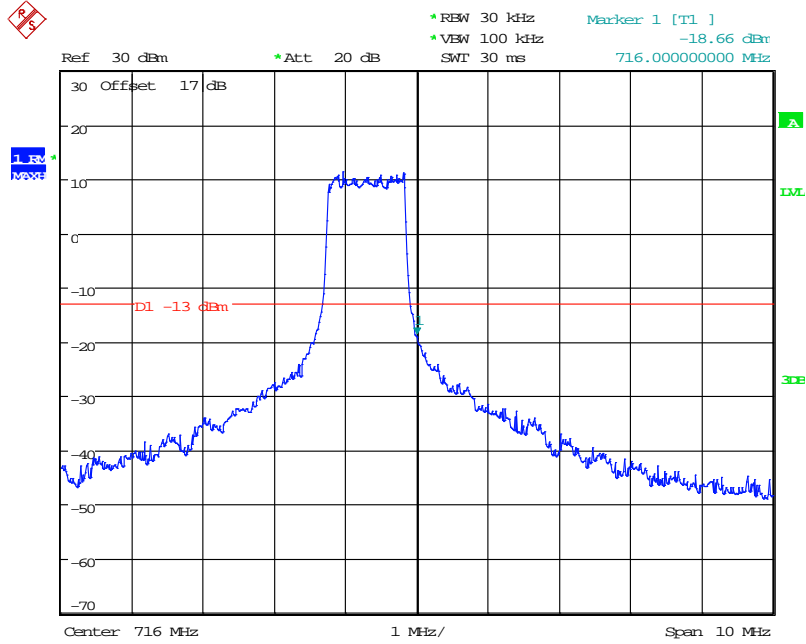


Date: 16.AUG.2024 13:37:47



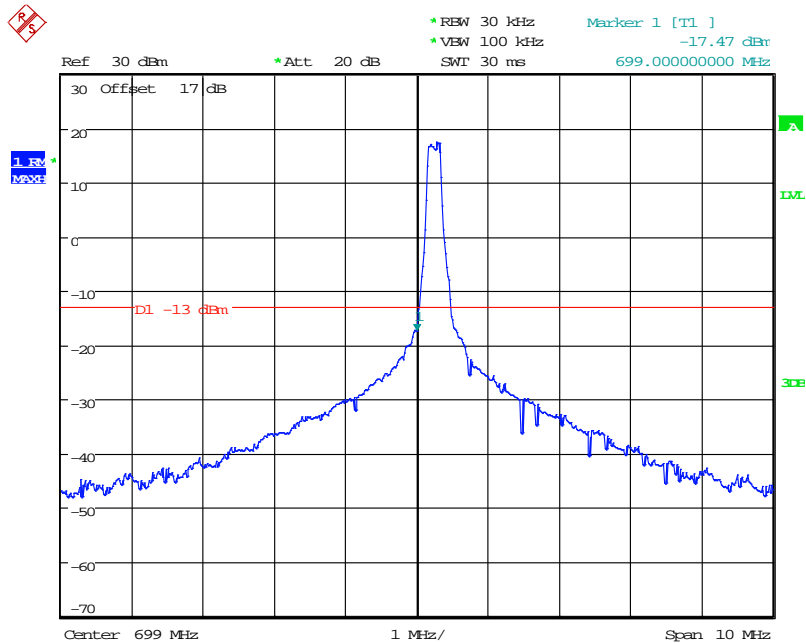
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 14:08:03

16QAM  
1RB

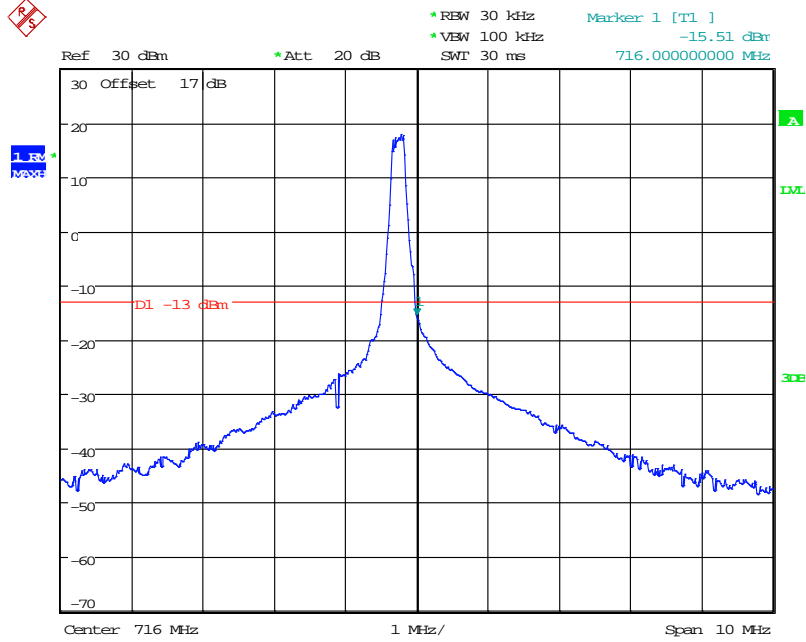


Date: 16.AUG.2024 13:42:08



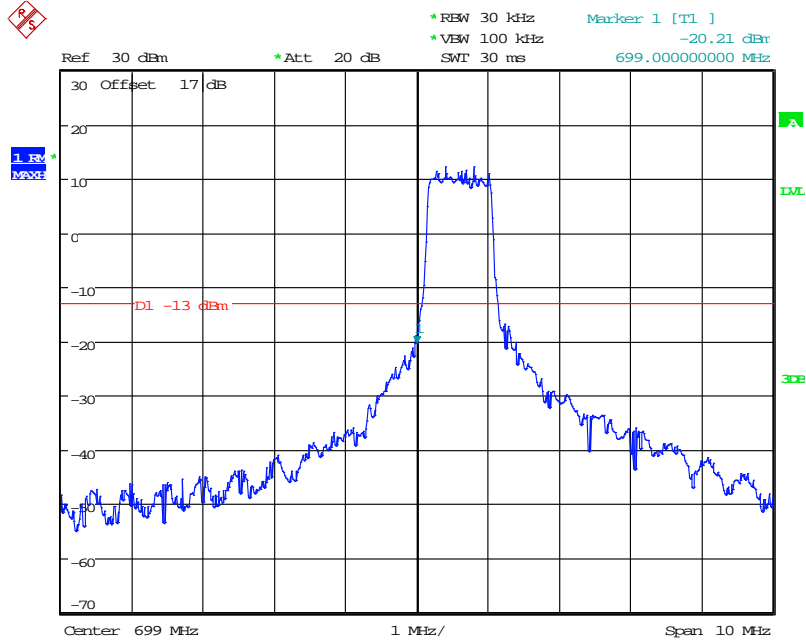
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Date: 16.AUG.2024 13:46:41

FRB

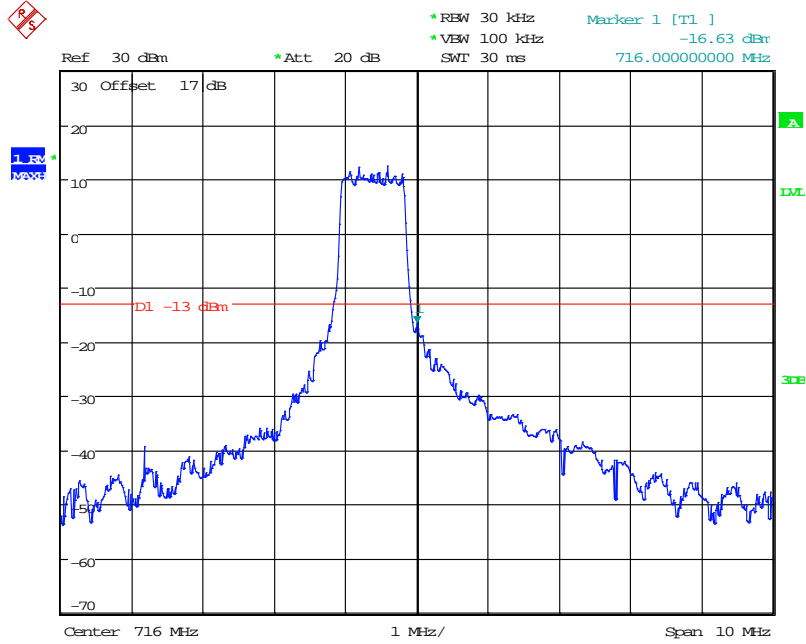


Date: 16.AUG.2024 13:43:42



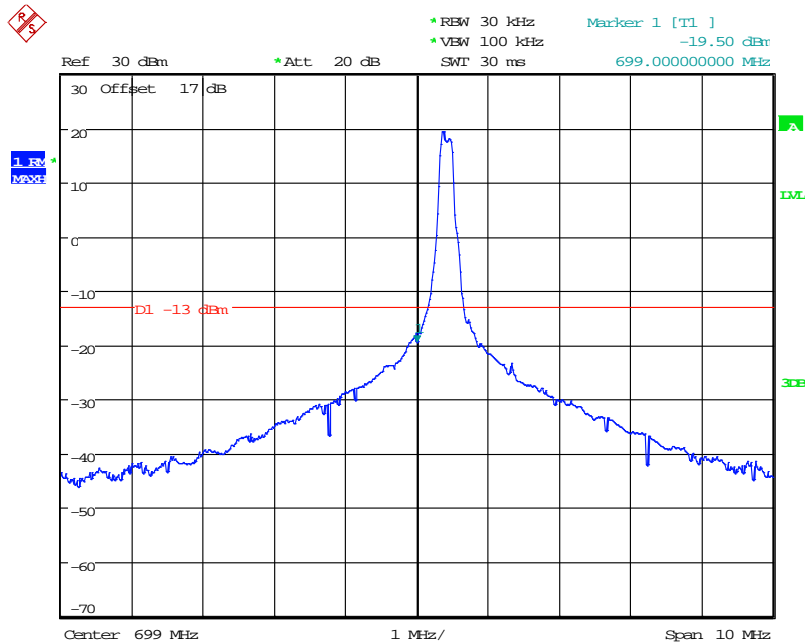
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Date: 16.AUG.2024 13:45:28

3 MHz  
QPSK  
1RB

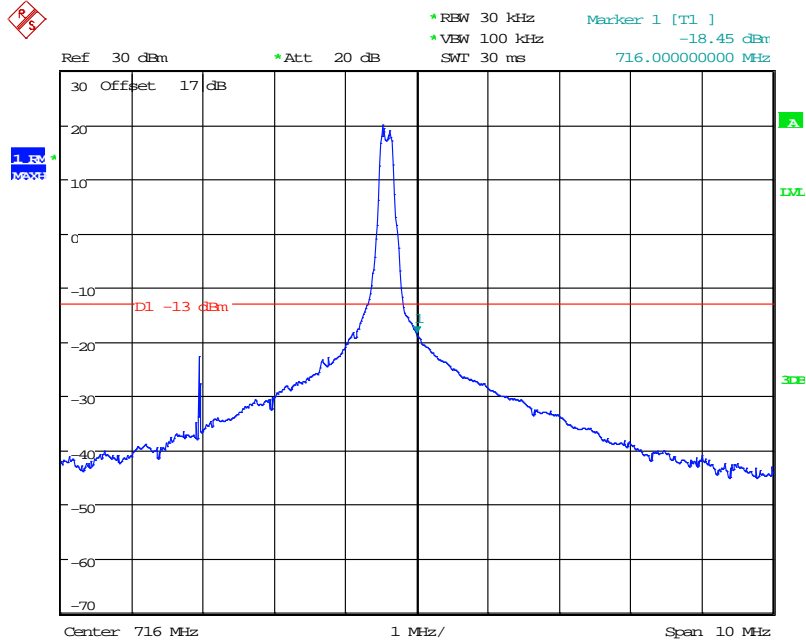


Date: 16.AUG.2024 11:19:17



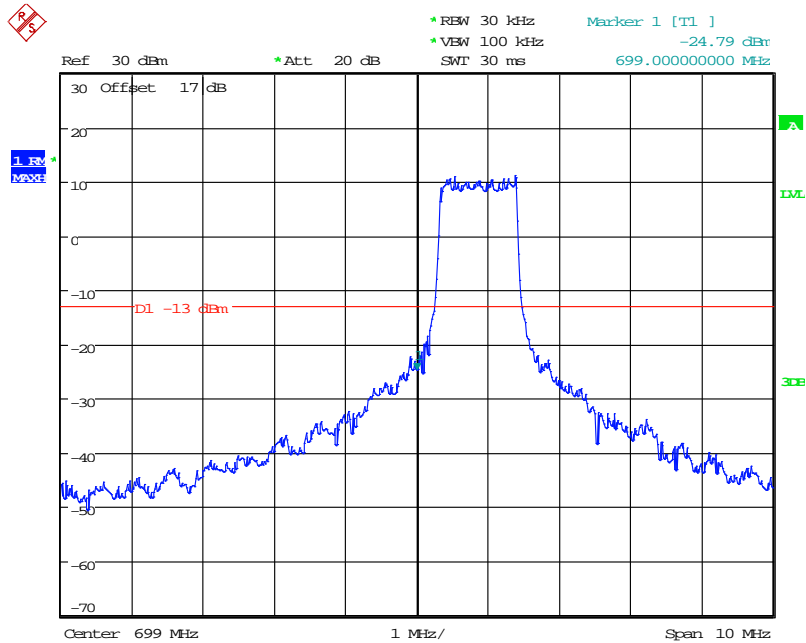
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:25:13

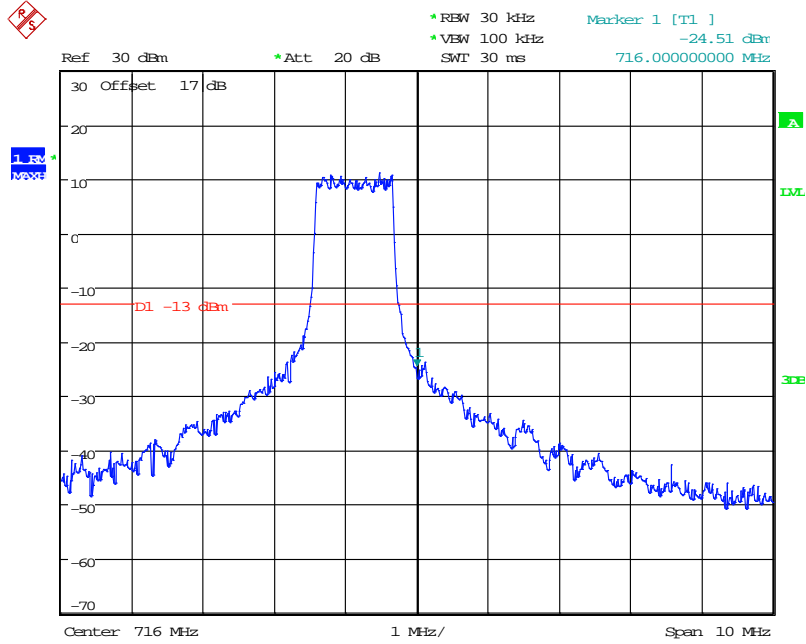
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Date: 16.AUG.2024 11:17:45

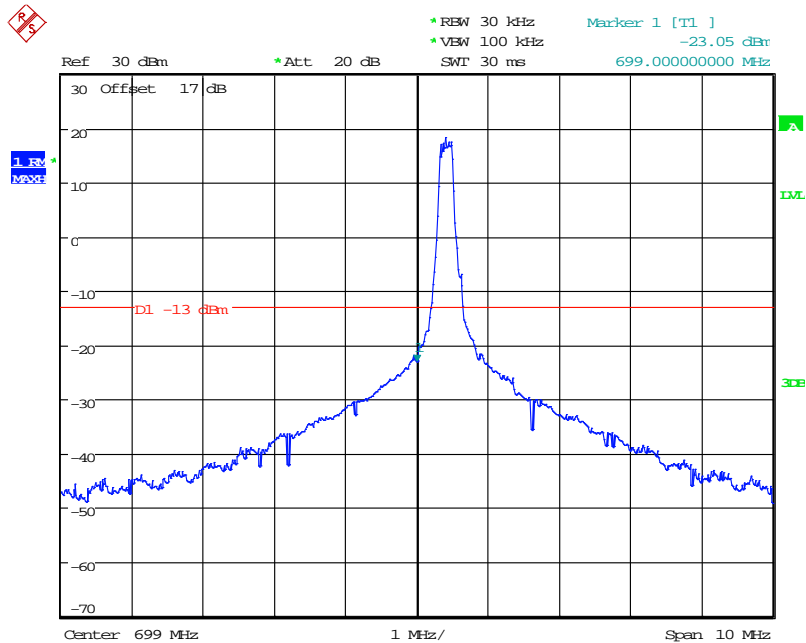


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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:25:58

16QAM  
1RB

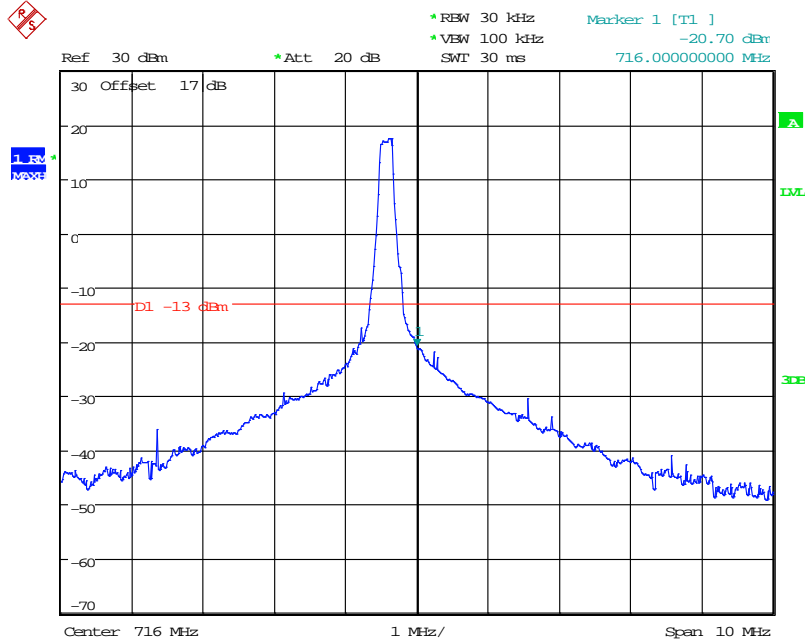


Date: 16.AUG.2024 11:20:38



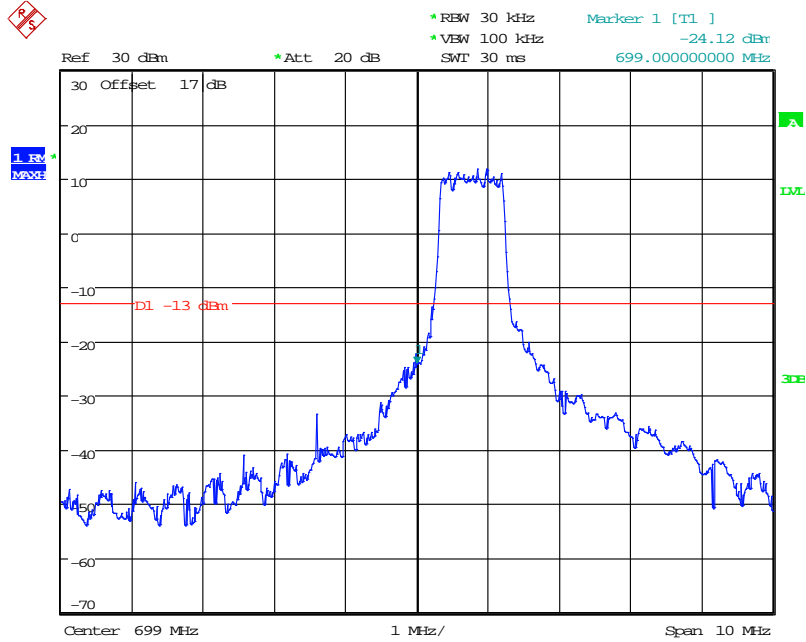
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:24:06

FRB

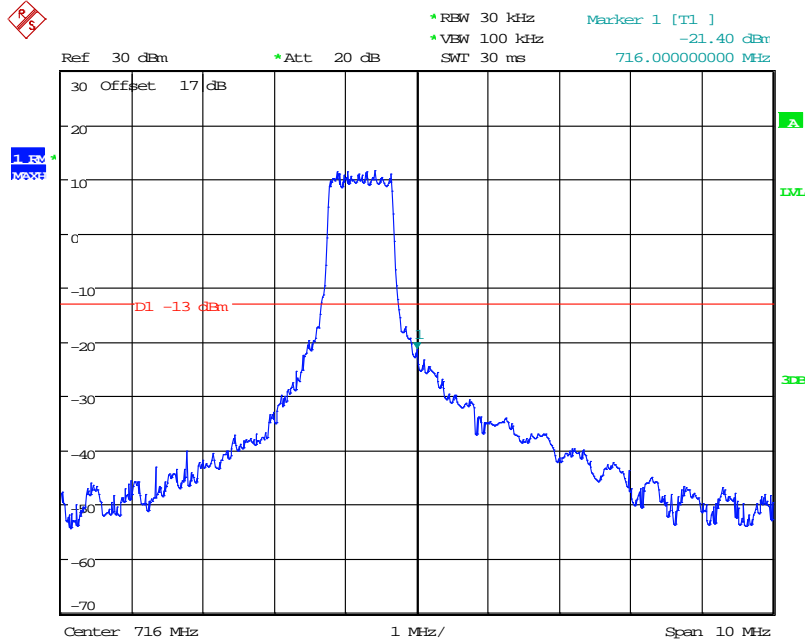


Date: 16.AUG.2024 11:21:52



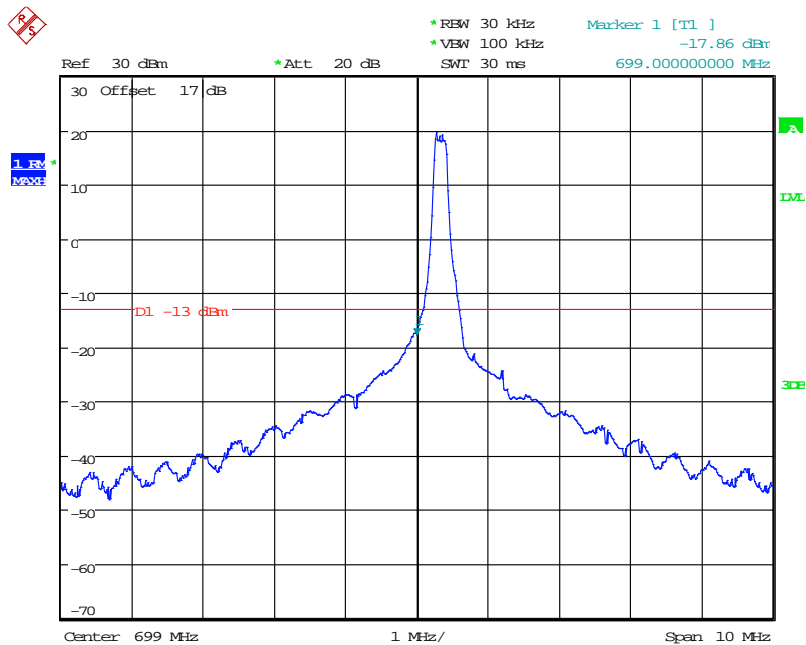
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:22:57

5 MHz  
QPSK  
1RB

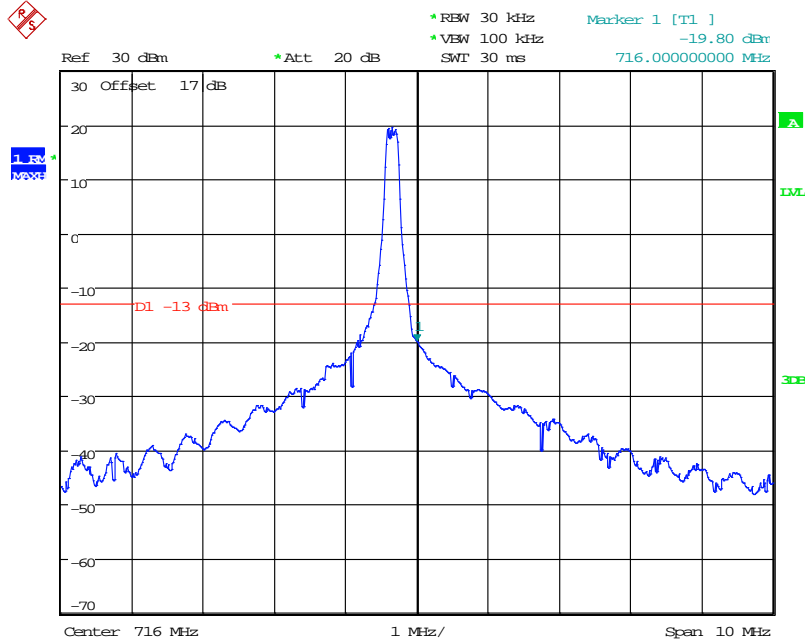


Date: 16.AUG.2024 09:17:41



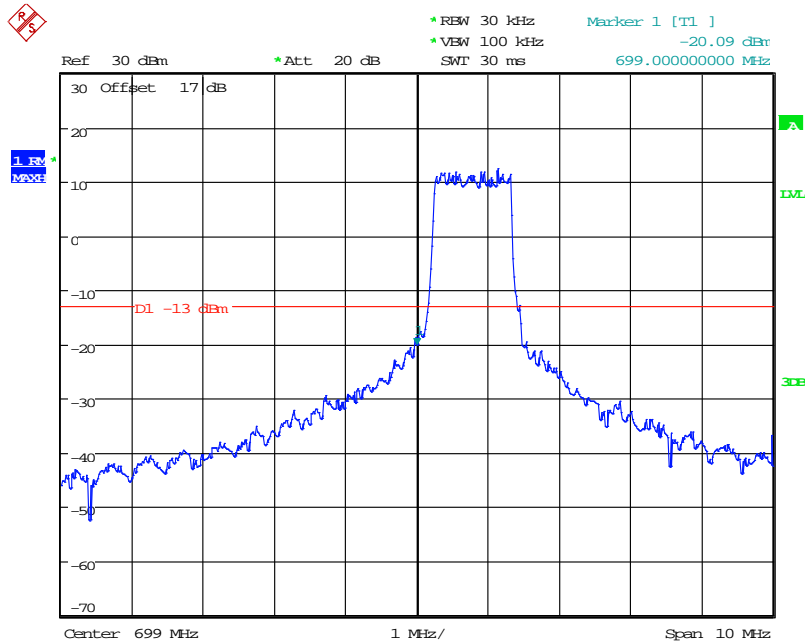


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:01:20

FRB

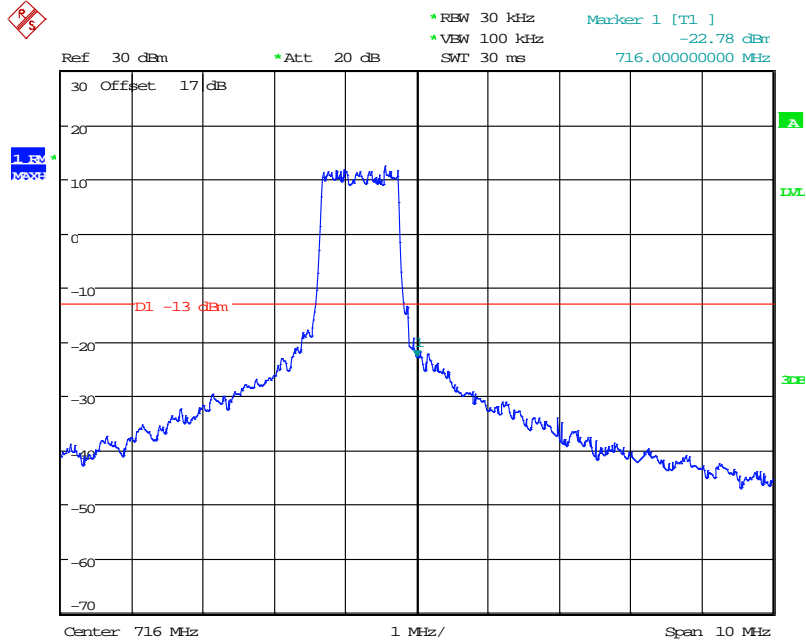


Date: 16.AUG.2024 09:19:52



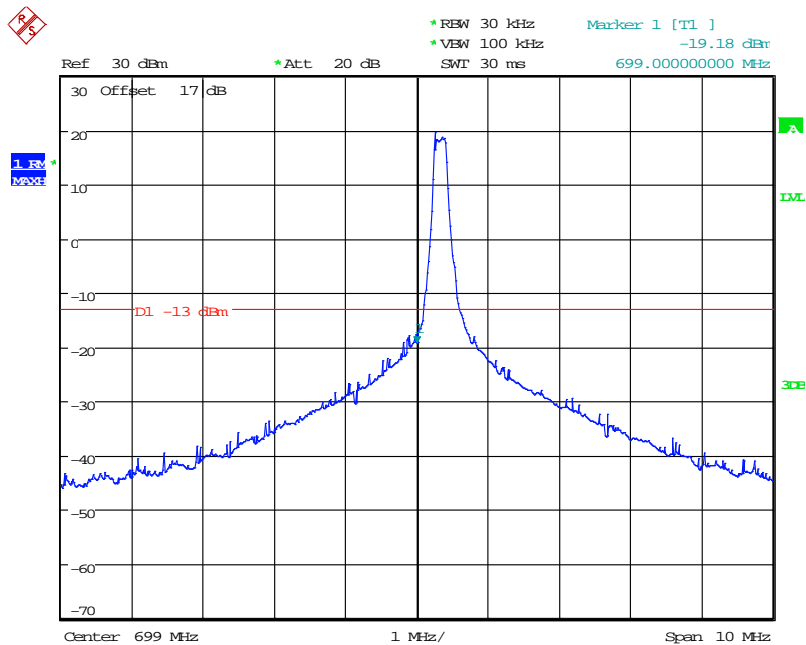
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:00:24

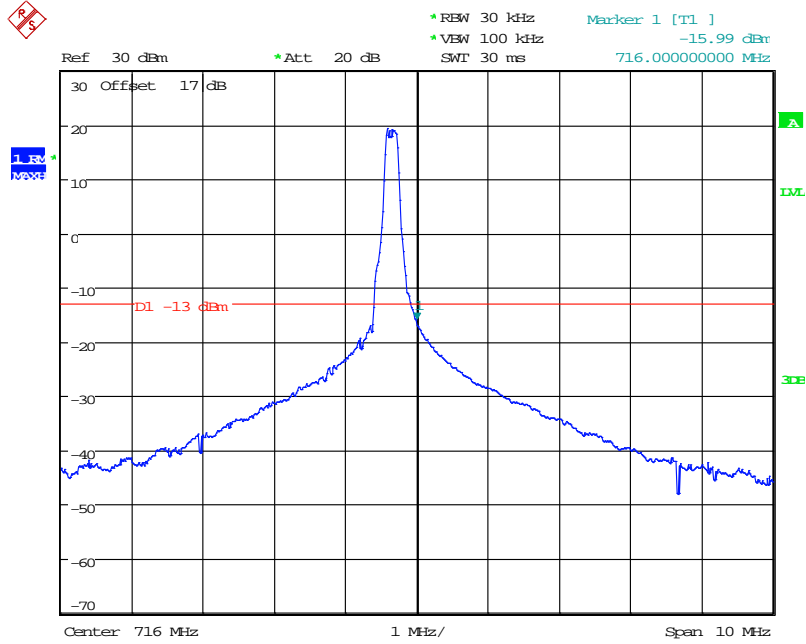
16QAM  
1RB



Date: 16.AUG.2024 09:10:20

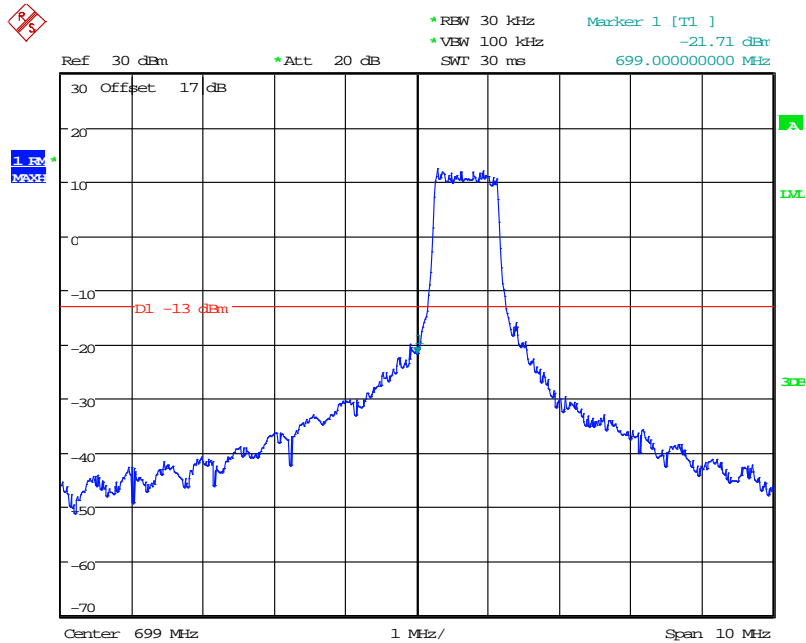


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:02:42

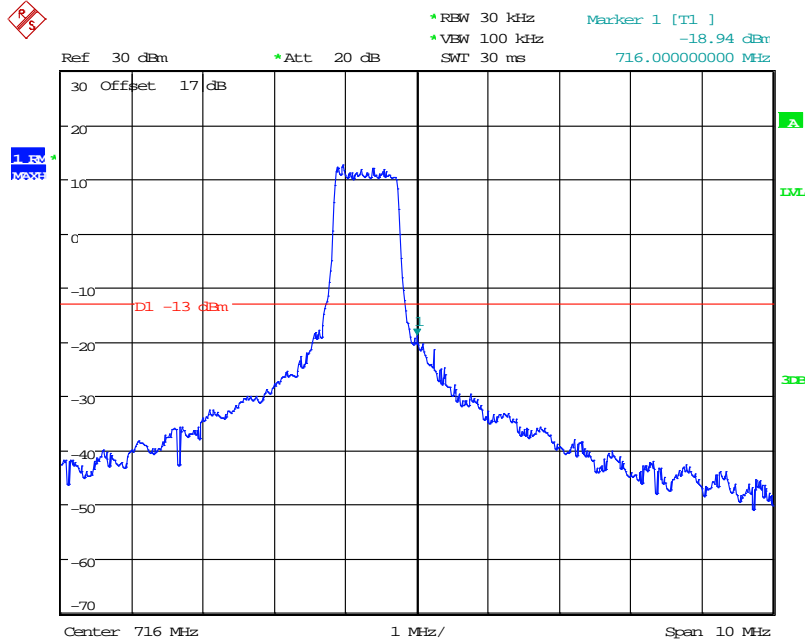
FRB



Date: 16.AUG.2024 09:07:50

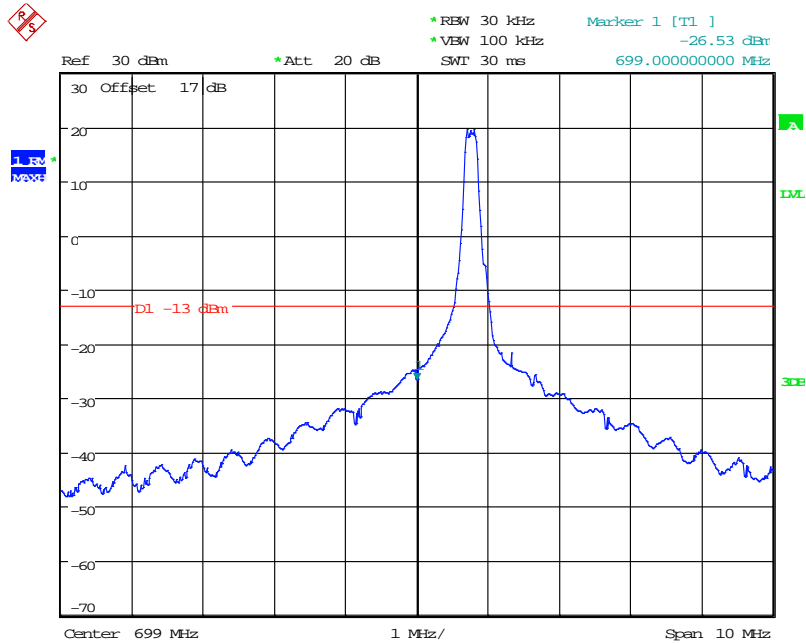


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 09:03:37

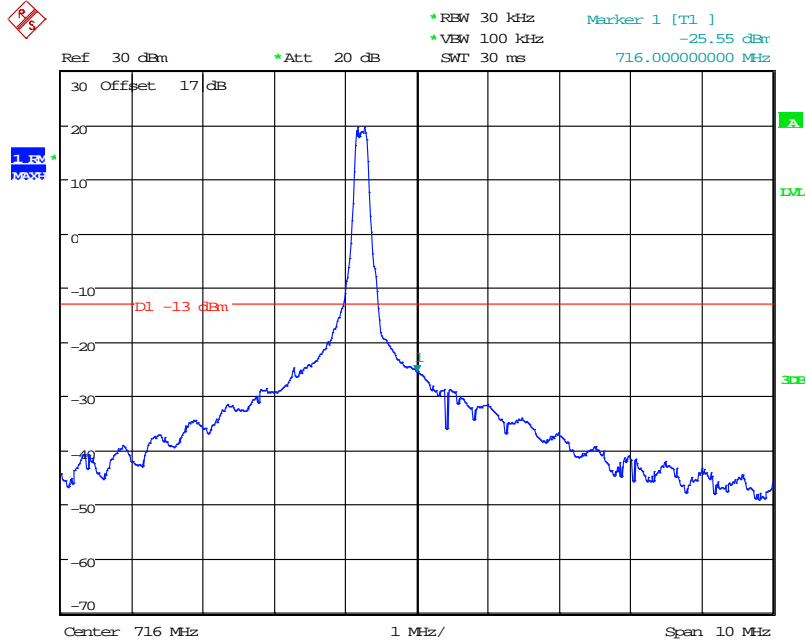
10 MHz  
QPSK  
1RB



Date: 15.AUG.2024 17:37:13

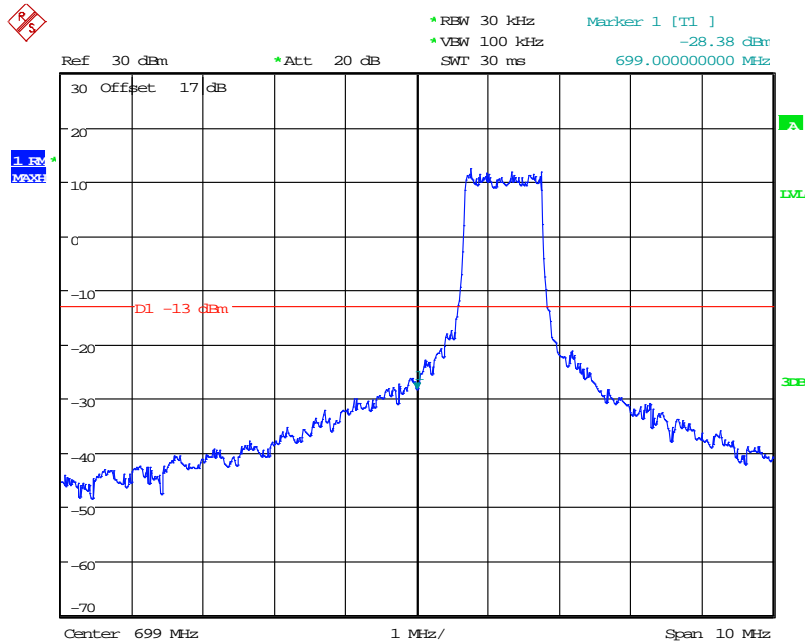


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:40:38

FRB

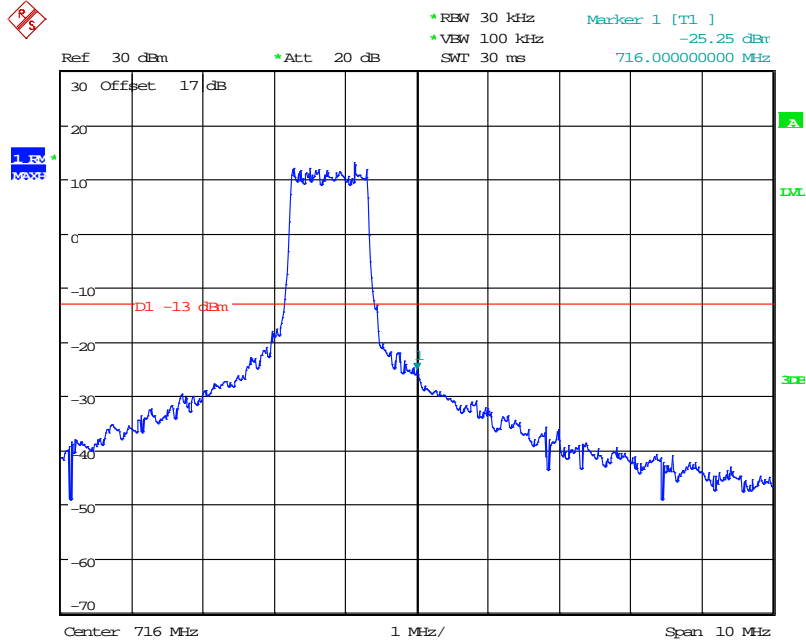


Date: 15.AUG.2024 17:38:36



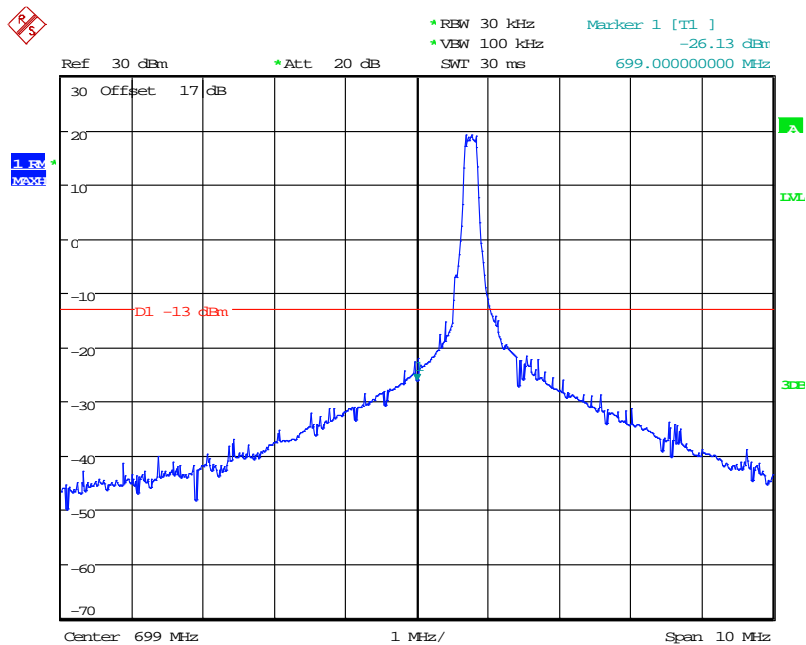
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:39:46

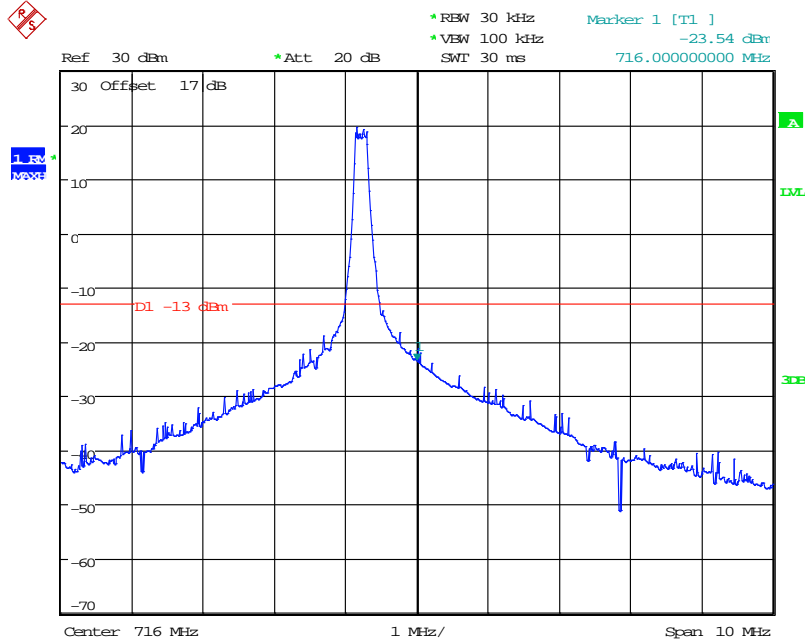
16QAM  
1RB



Date: 15.AUG.2024 17:33:03

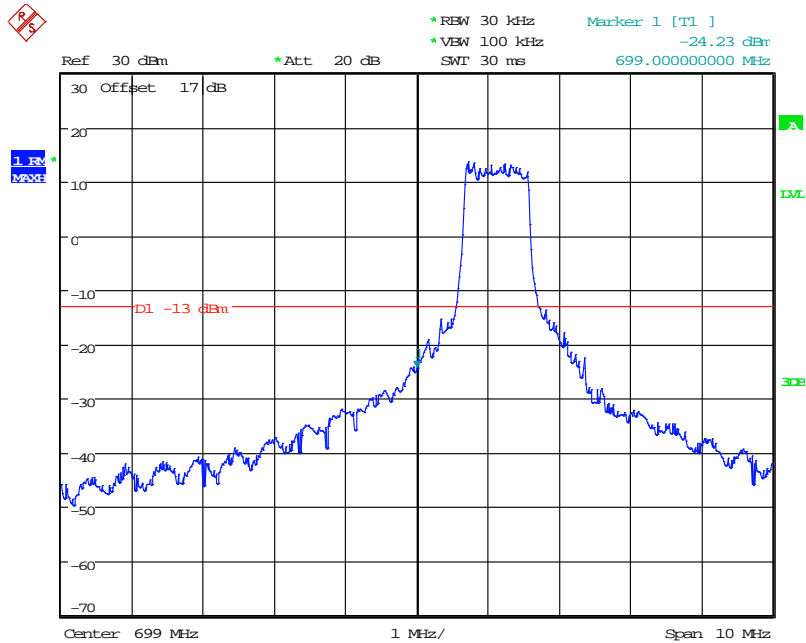


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:41:39

FRB

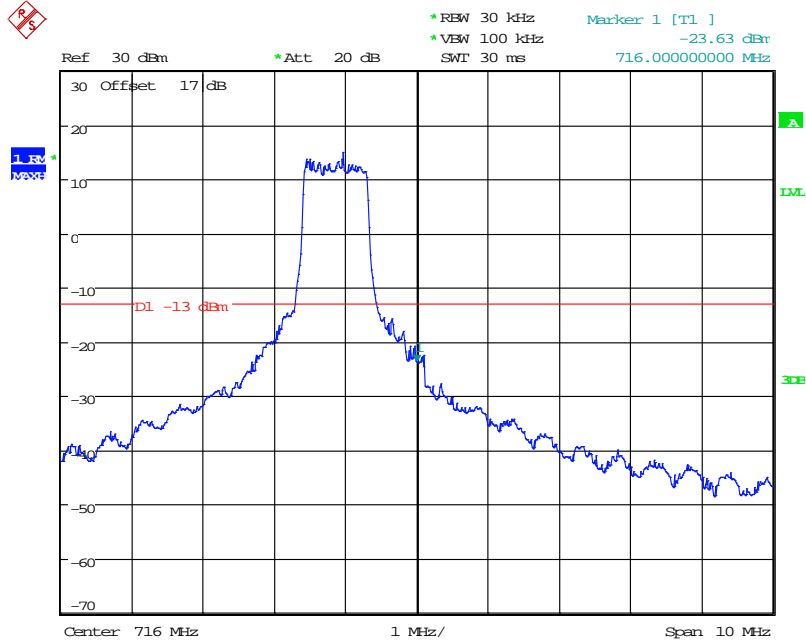


Date: 15.AUG.2024 17:31:34



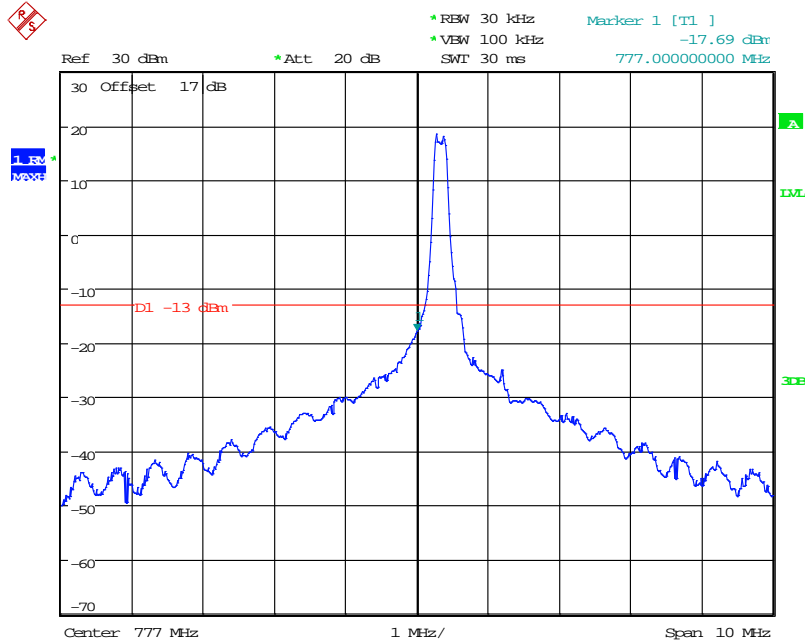
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:43:21

Band 13  
5 MHz  
QPSK  
1RB

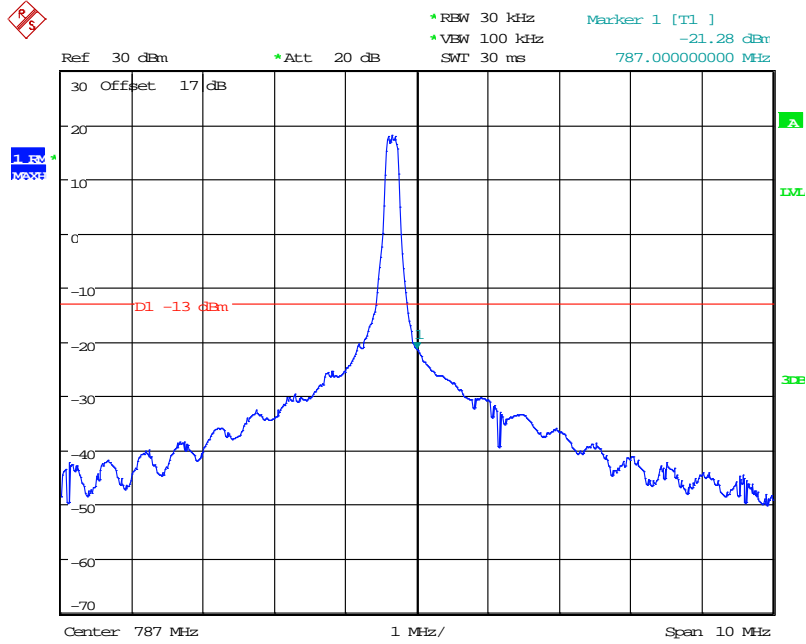


Date: 16.AUG.2024 08:49:33



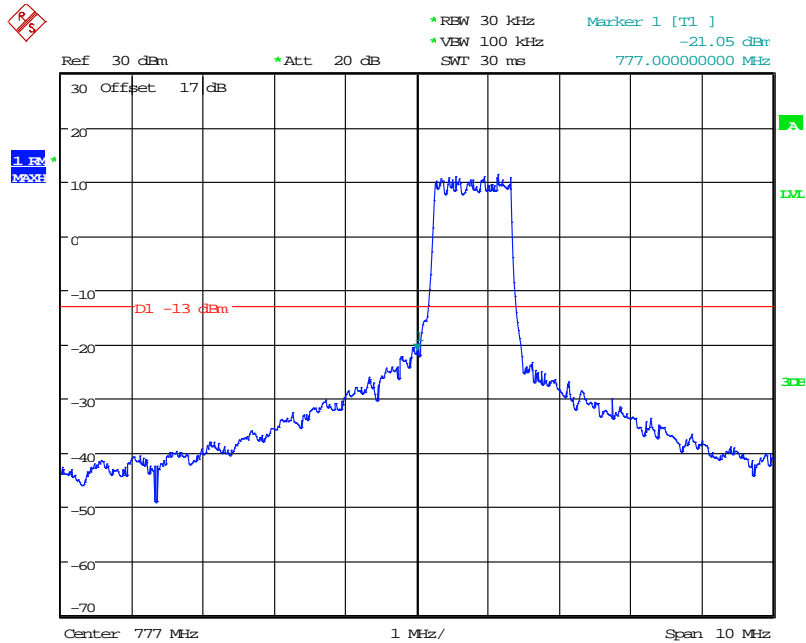


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:56:10

FRB

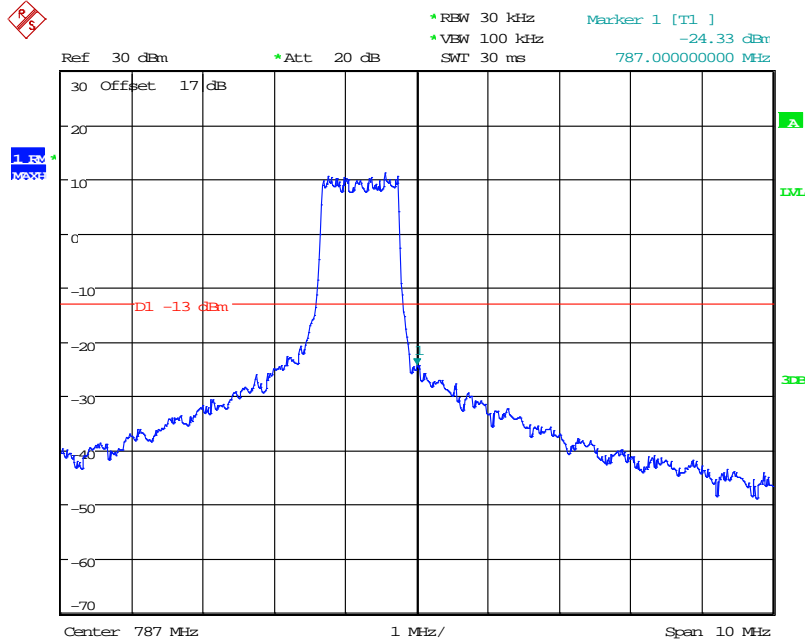


Date: 16.AUG.2024 08:48:41



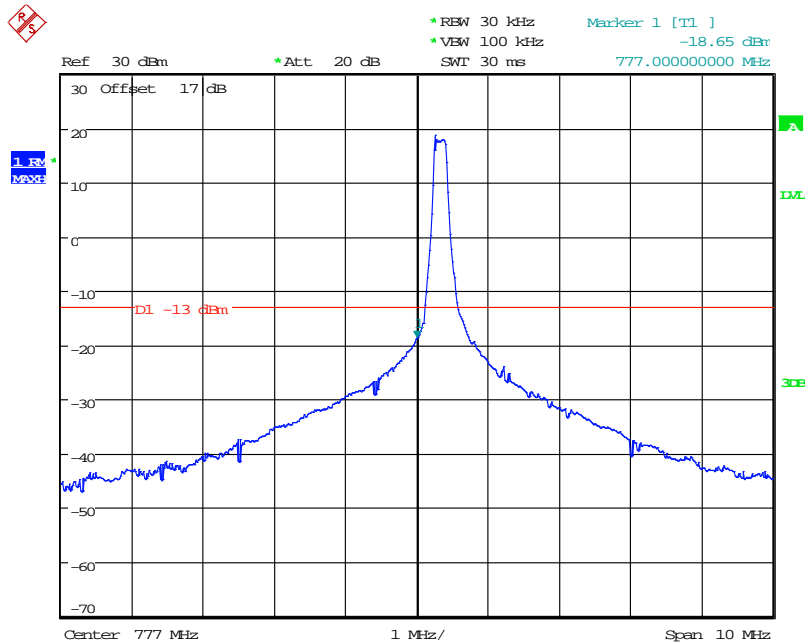
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:57:31

16QAM  
1RB

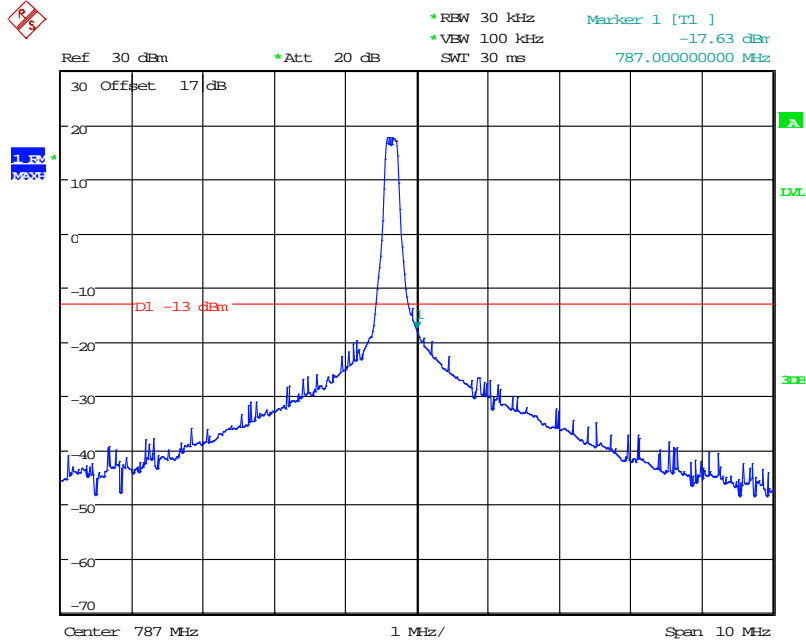


Date: 16.AUG.2024 08:50:49



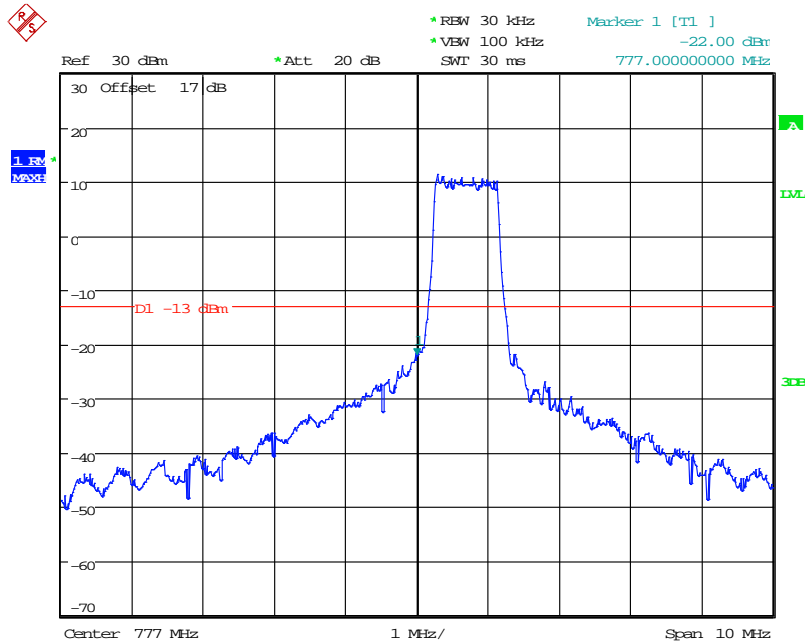
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:54:54

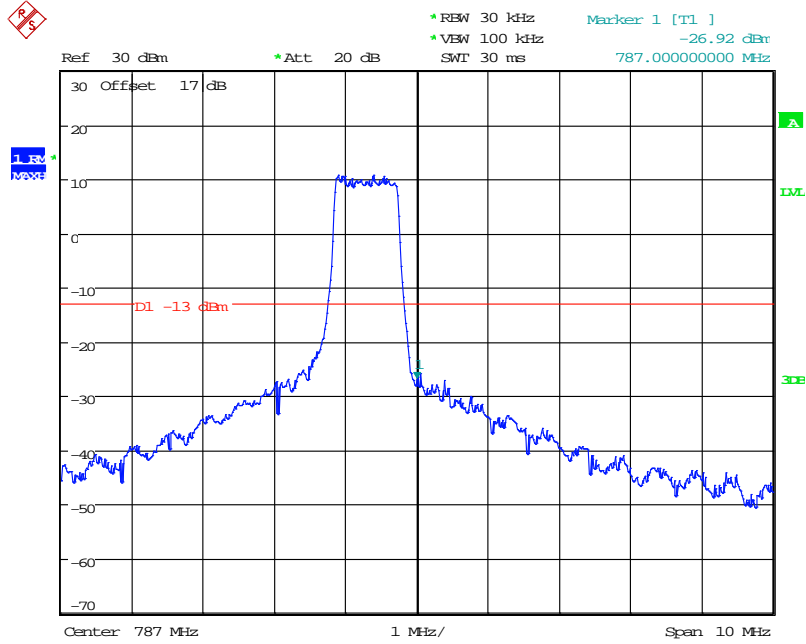
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Date: 16.AUG.2024 08:51:50

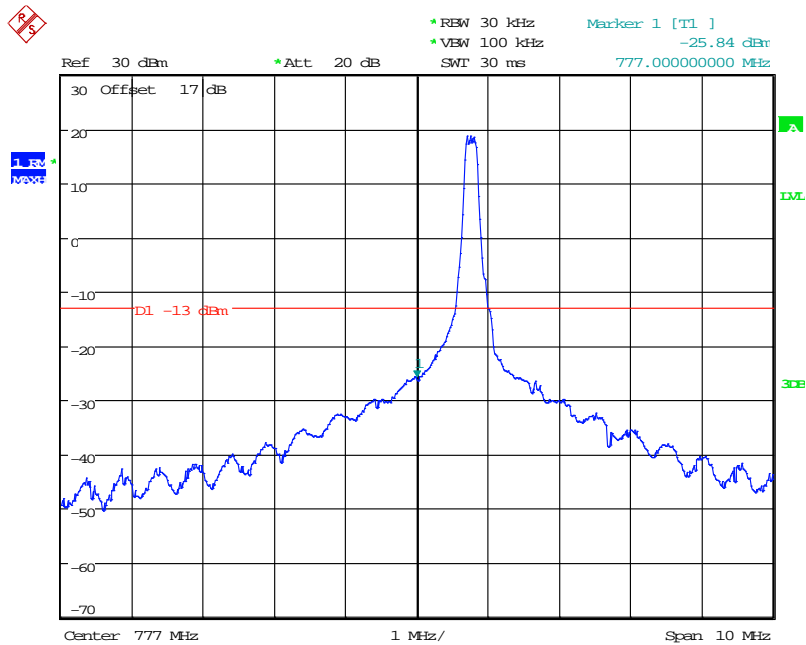


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:53:20

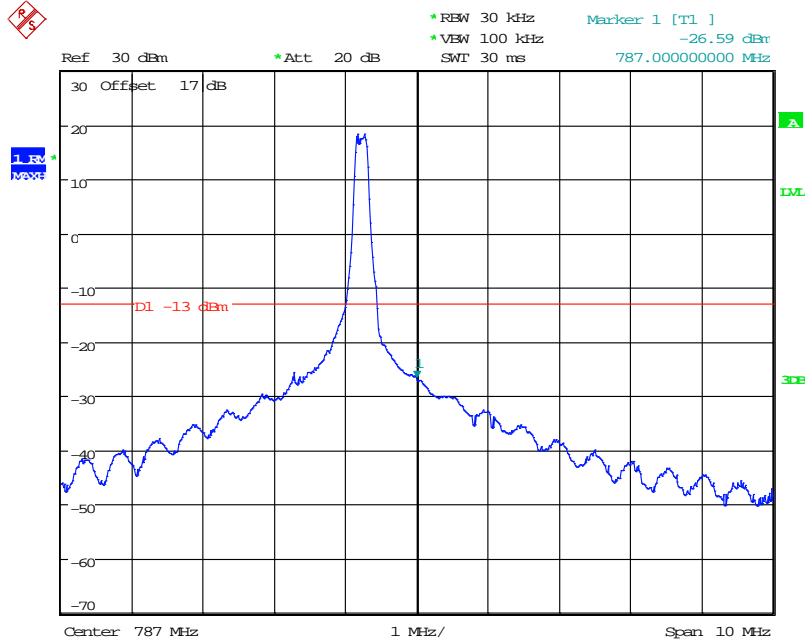
10 MHz  
QPSK  
1RB



Date: 15.AUG.2024 18:02:13

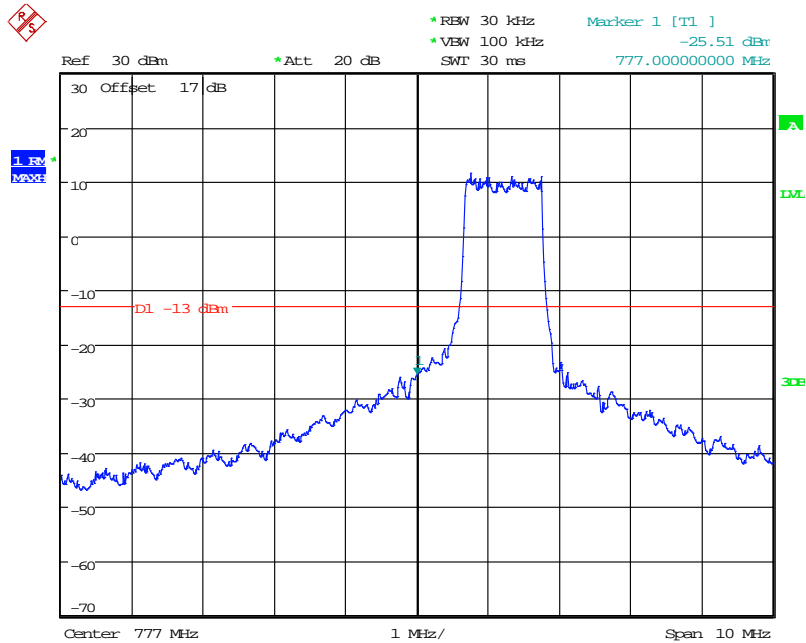


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Date: 15.AUG.2024 18:00:49

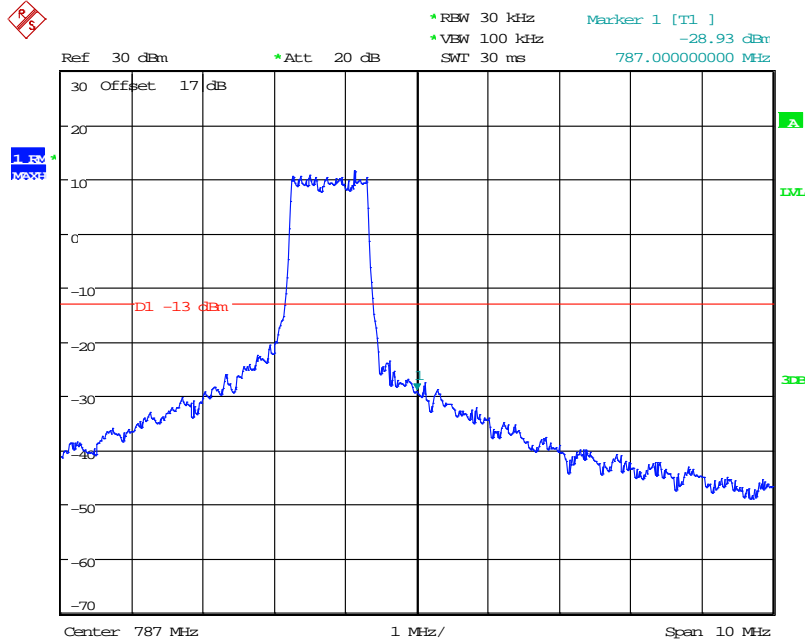
FRB



Date: 15.AUG.2024 18:03:33

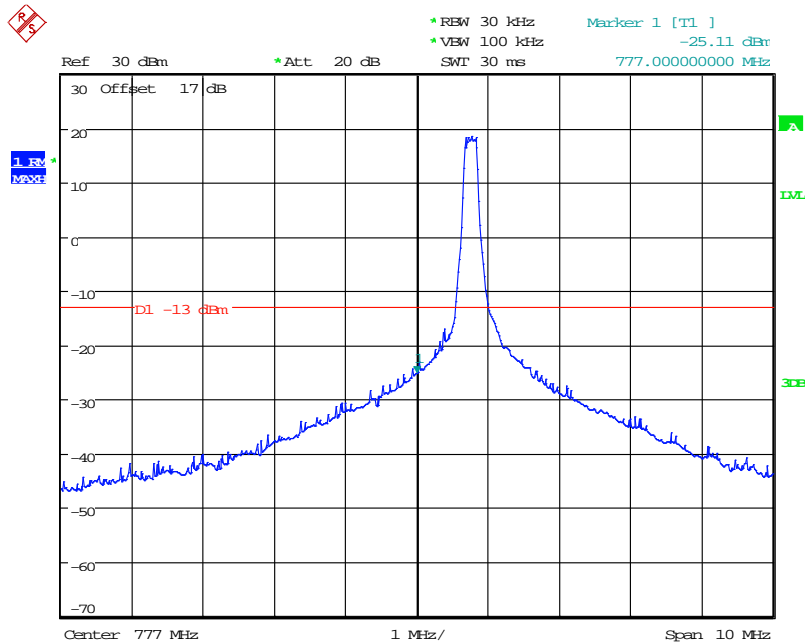


Registration number: W6M22407-23644-C-247  
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Date: 15.AUG.2024 17:59:12

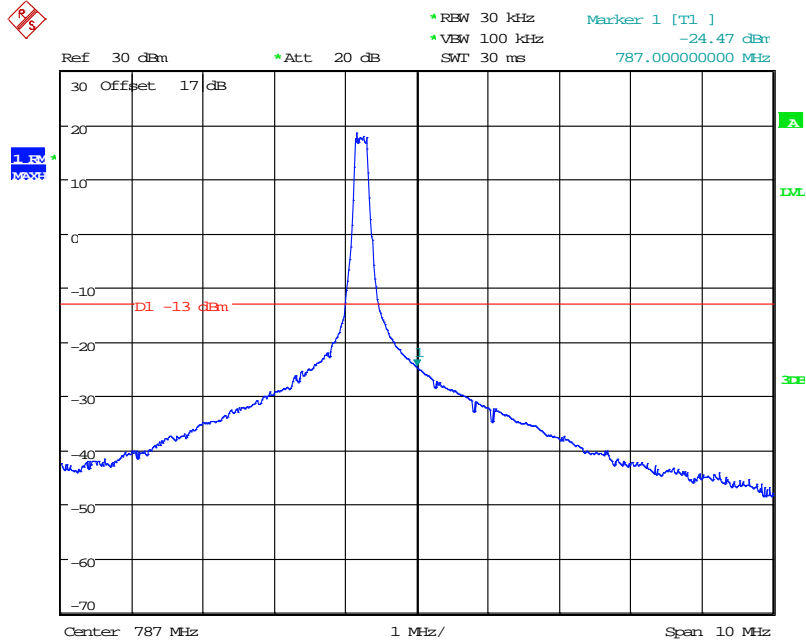
16QAM  
1RB



Date: 15.AUG.2024 18:07:20

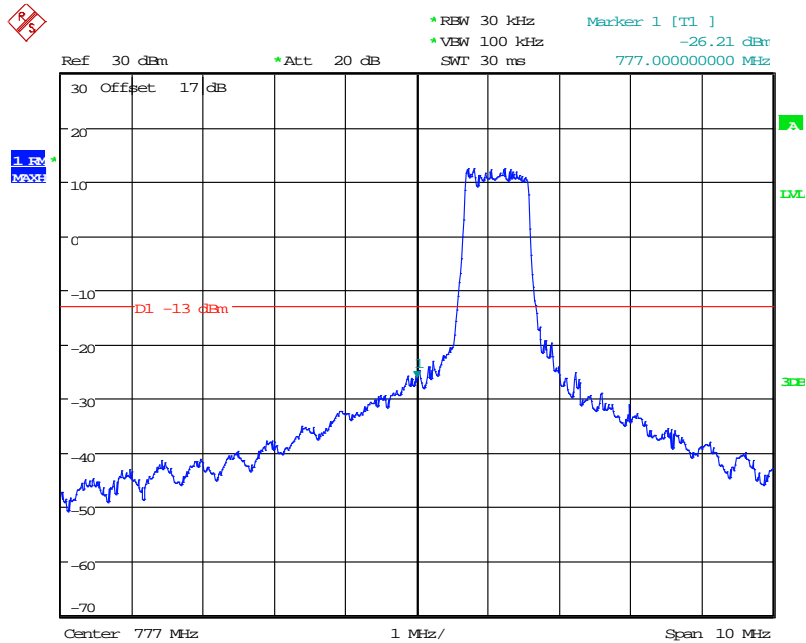


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:55:41

FRB

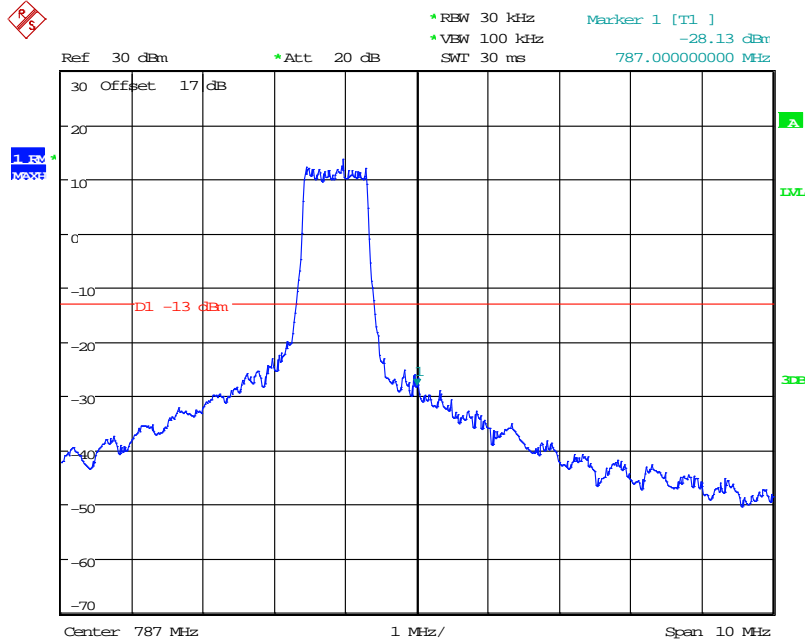


Date: 15.AUG.2024 18:05:11



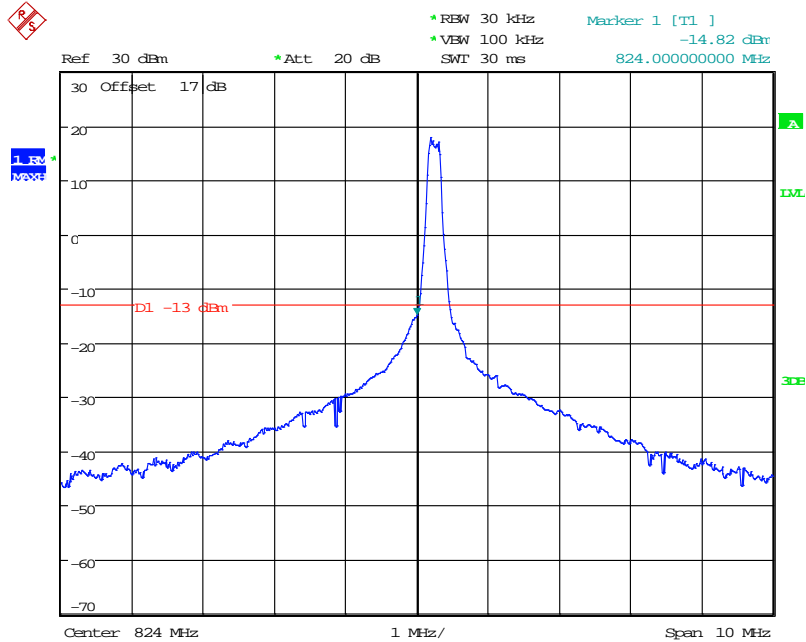
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 17:57:47

Band 26  
1.4 MHz  
QPSK  
1RB

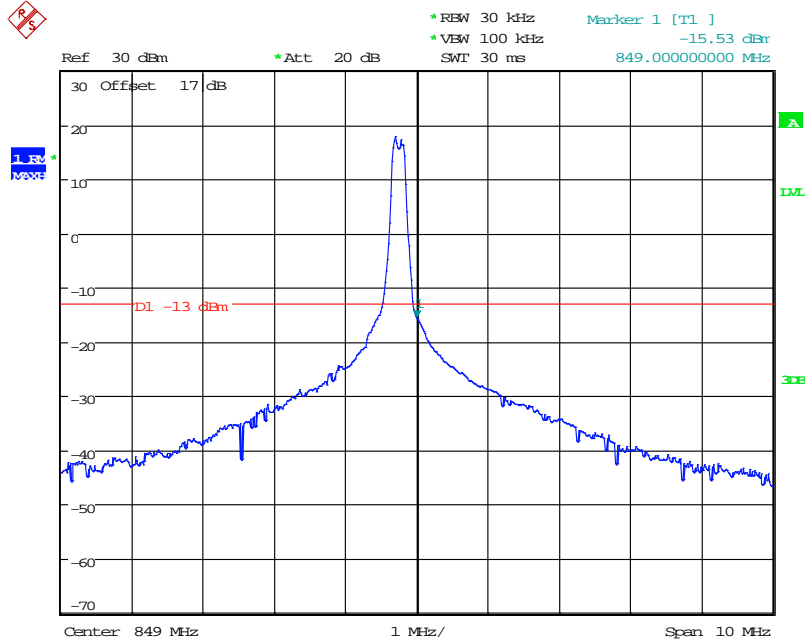


Date: 22.OCT.2024 16:08:47



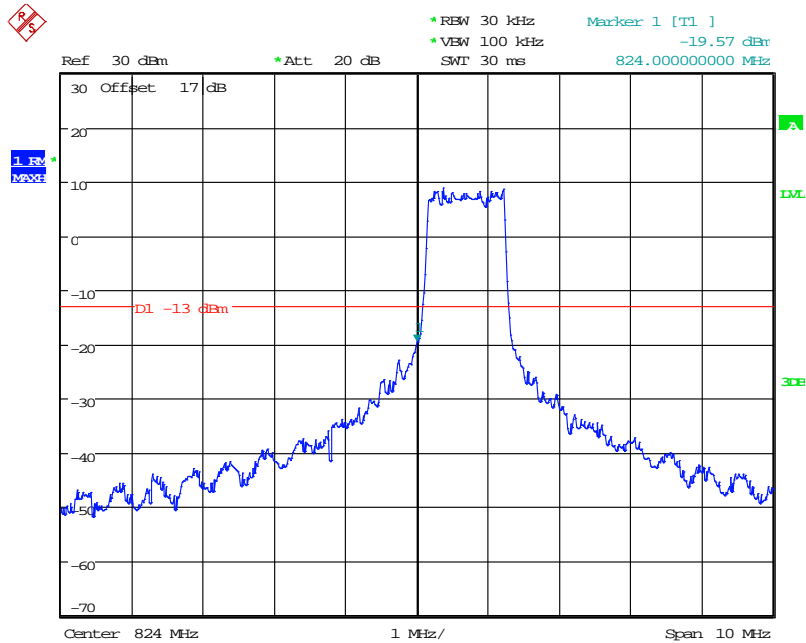


Registration number: W6M22407-23644-C-247  
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Date: 16.AUG.2024 13:22:44

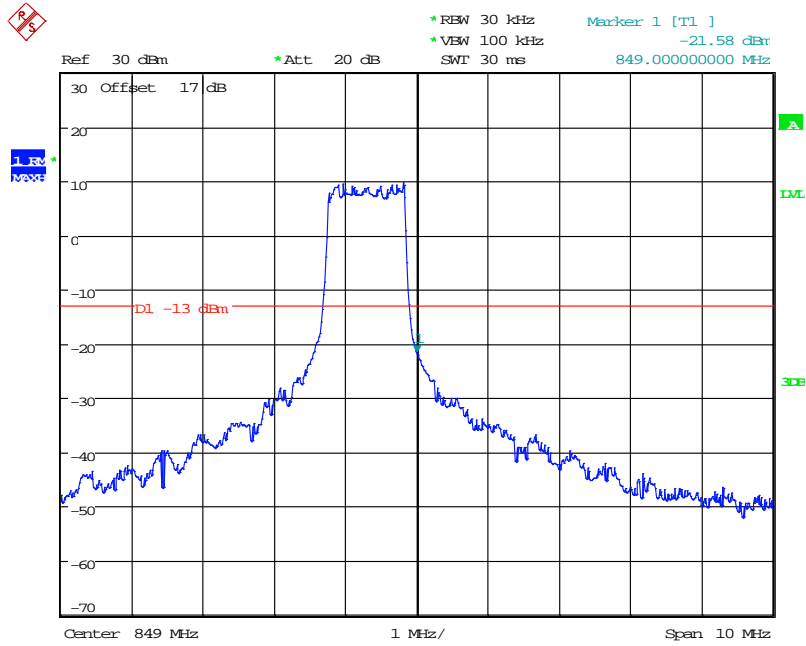
FRB



Date: 22.OCT.2024 16:10:10

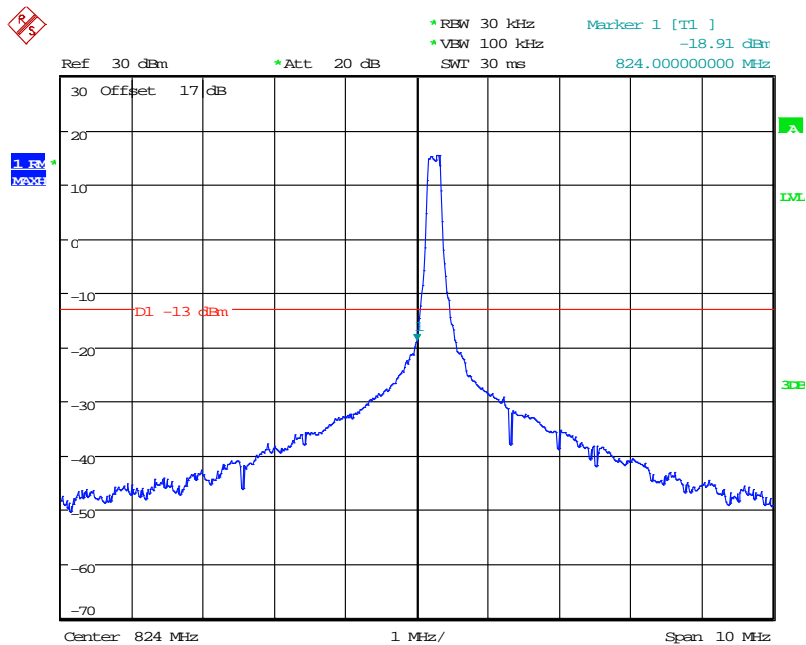


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 13:24:04

16QAM  
1RB

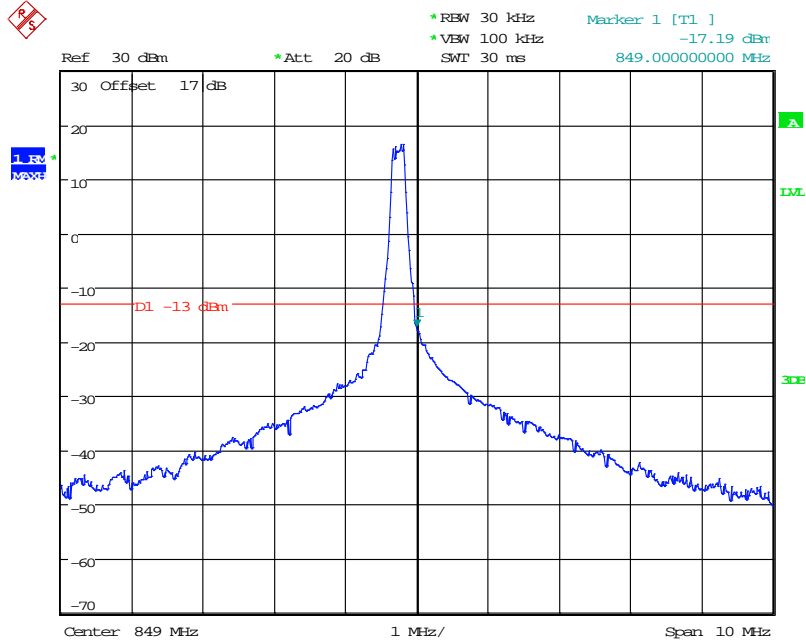


Date: 22.OCT.2024 16:14:48



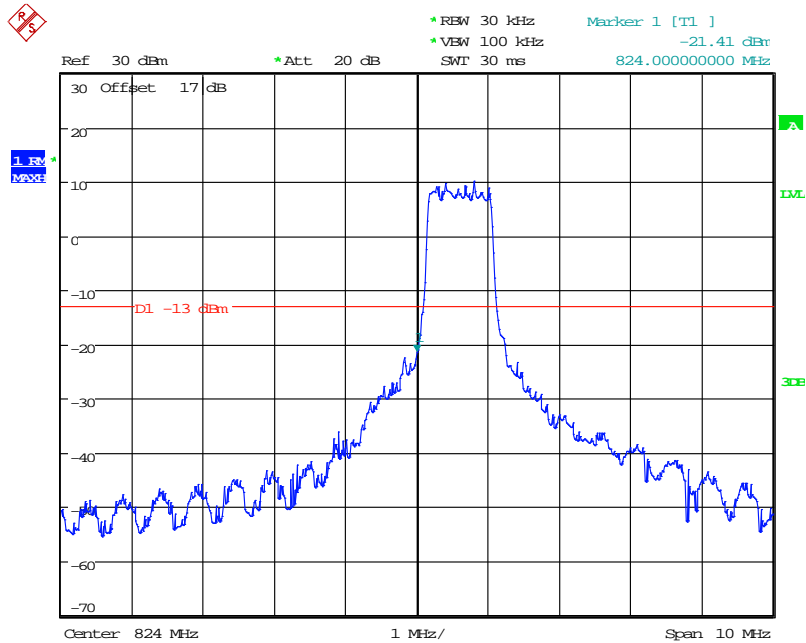
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 13:21:06

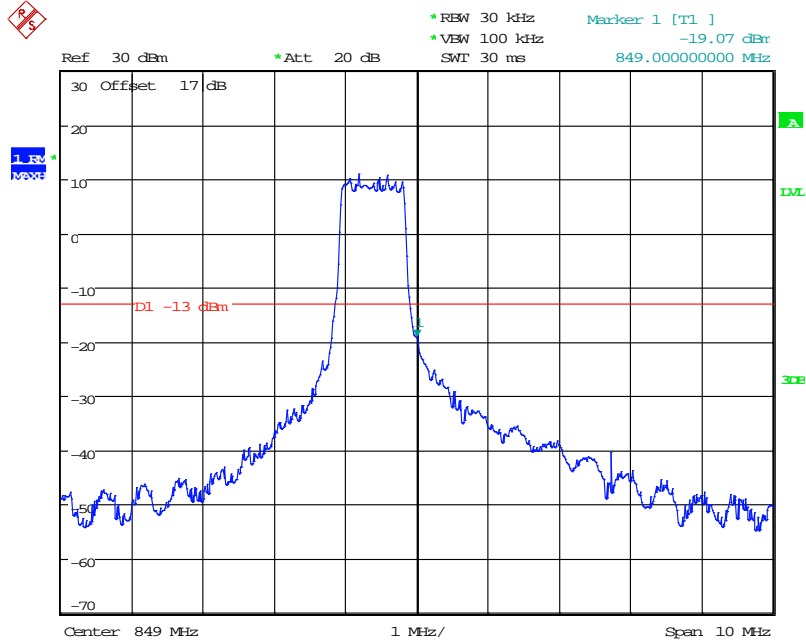
FRB



Date: 22.OCT.2024 16:11:51

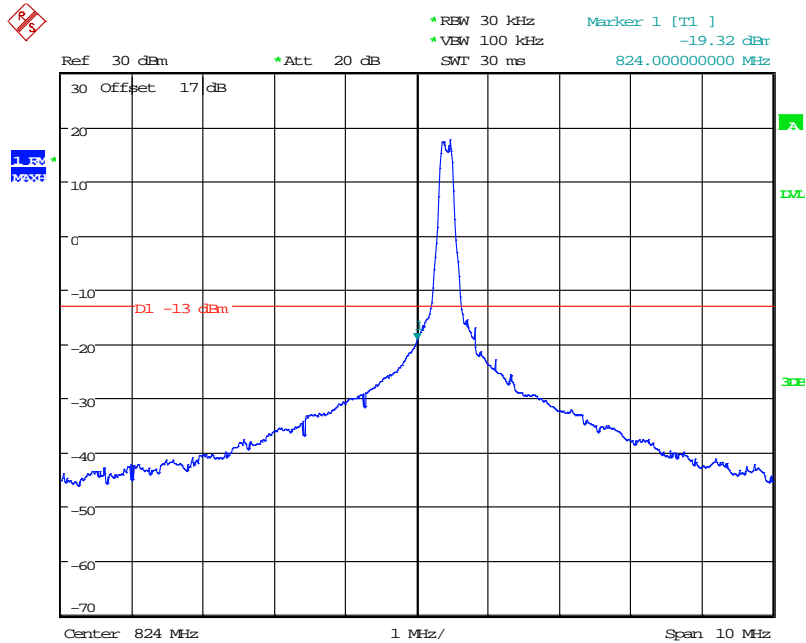


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 13:19:33

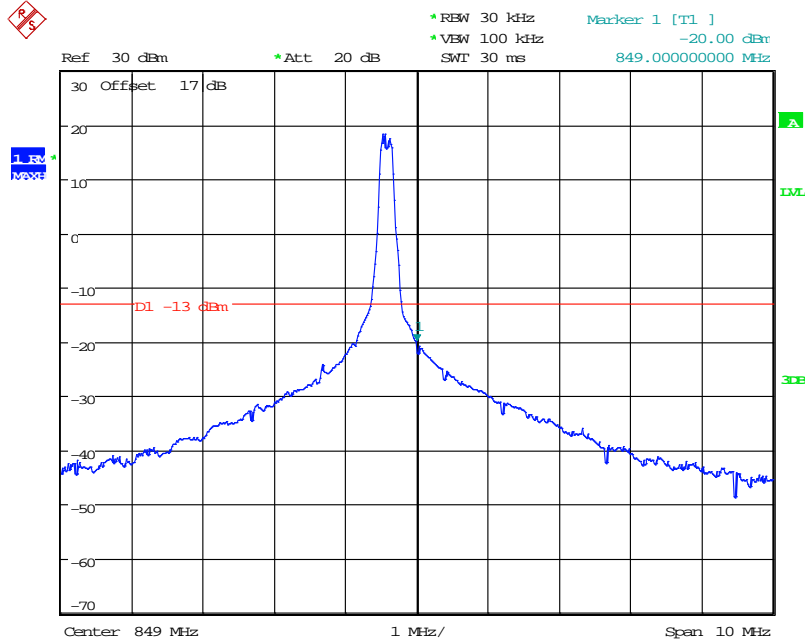
3 MHz  
QPSK  
1RB



Date: 22.OCT.2024 16:25:50

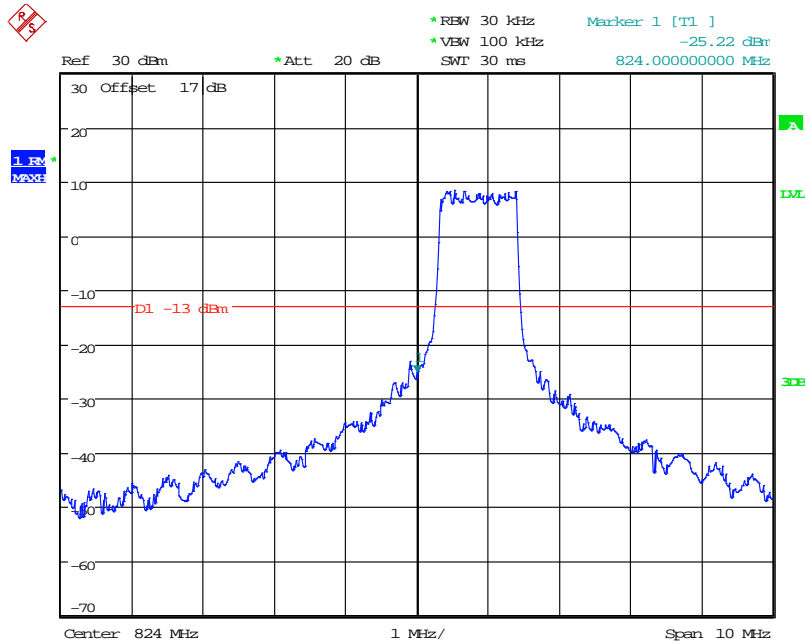


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:33:25

FRB

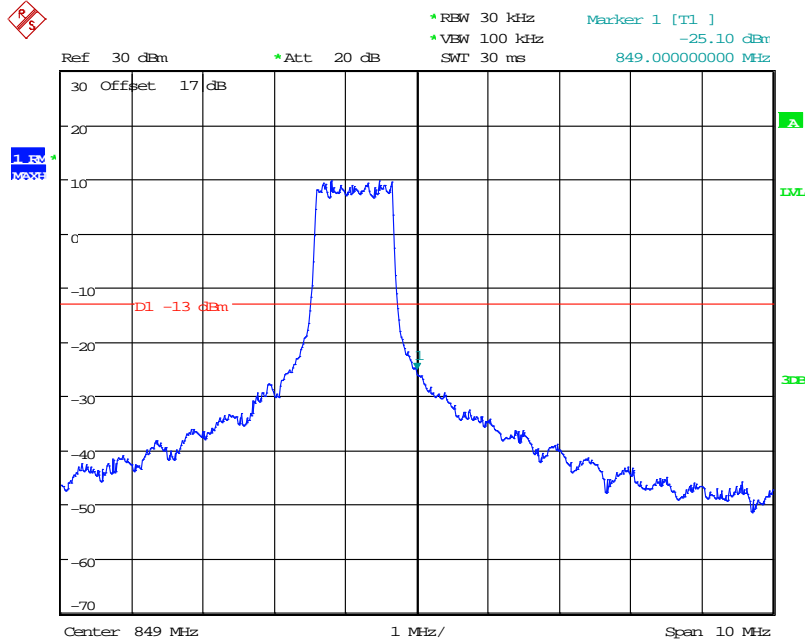


Date: 22.OCT.2024 16:24:21



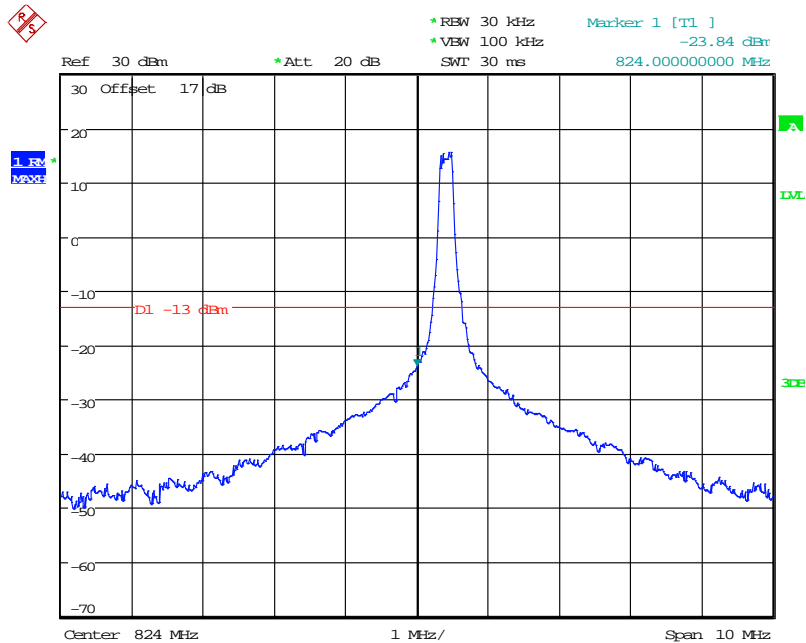
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:31:43

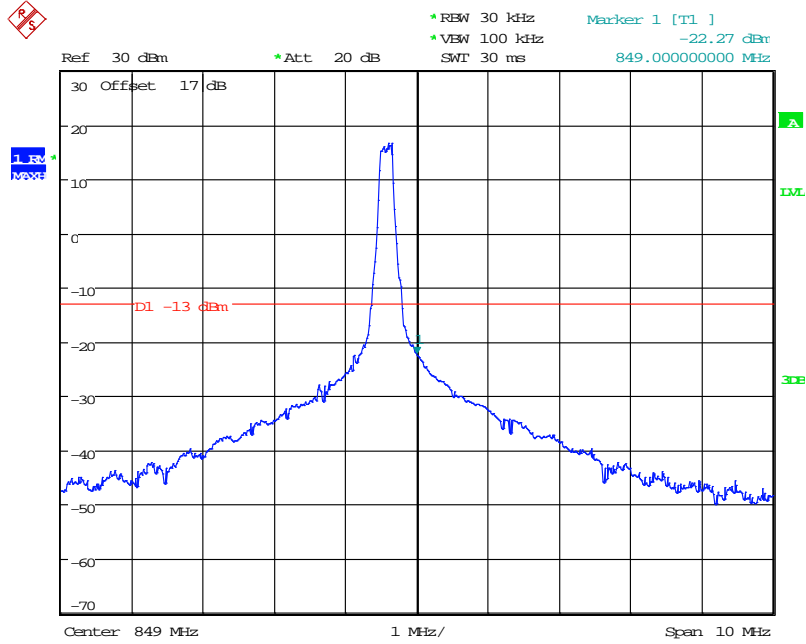
16QAM  
1RB



Date: 22.OCT.2024 16:21:57

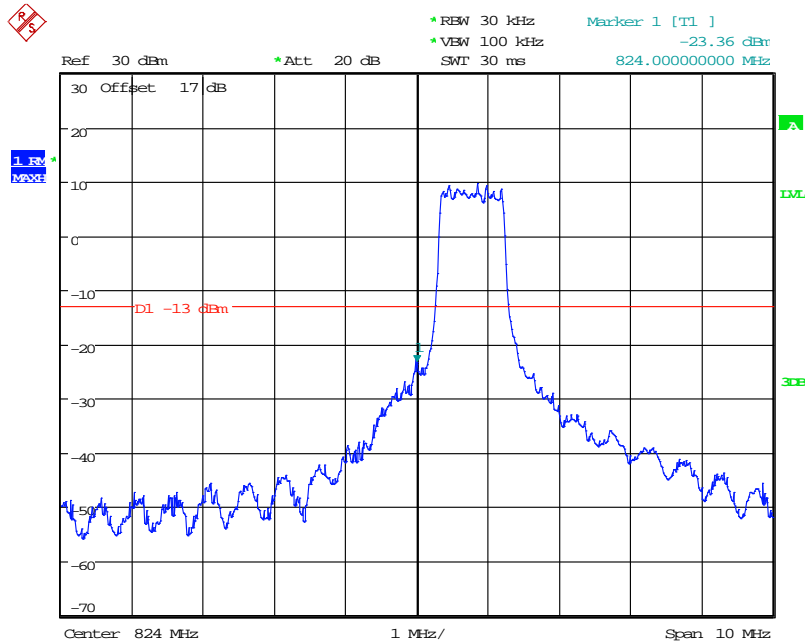


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:34:34

FRB

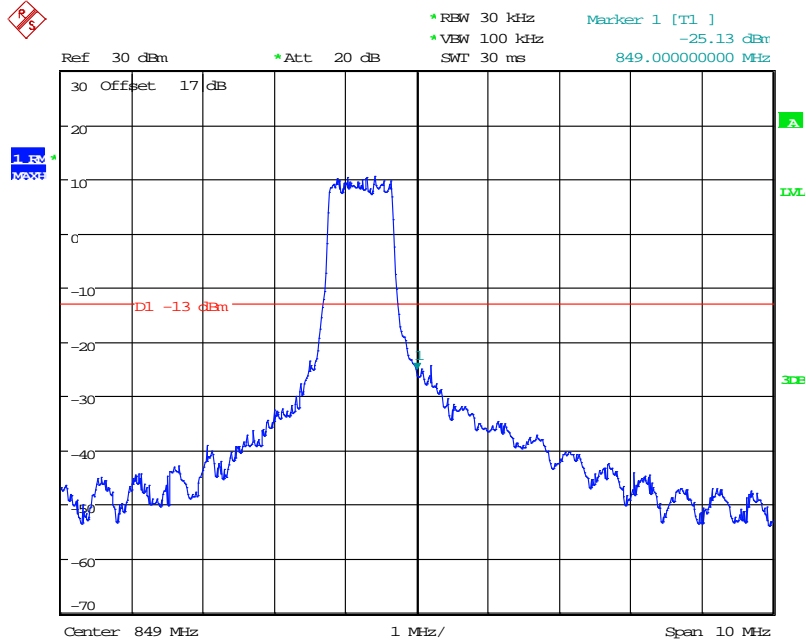


Date: 22.OCT.2024 16:23:01



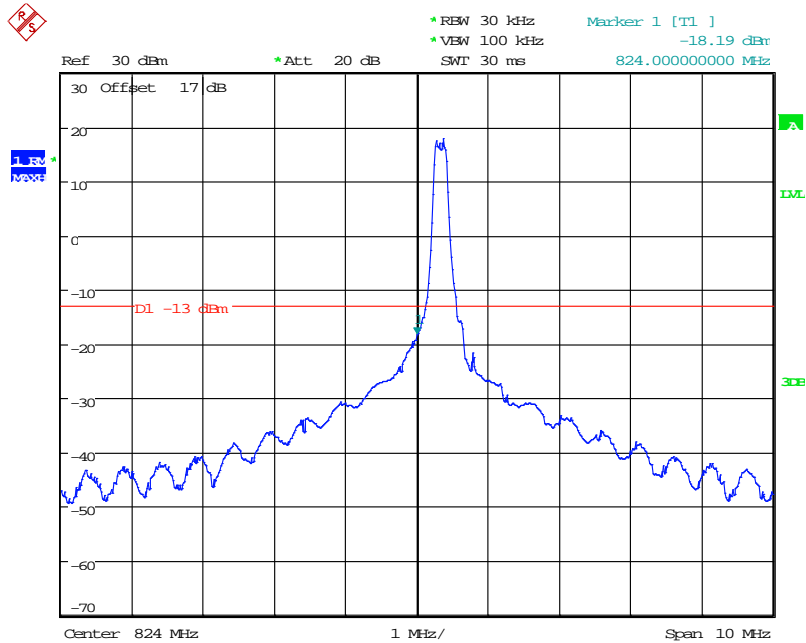
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:35:54

5 MHz  
QPSK  
1RB

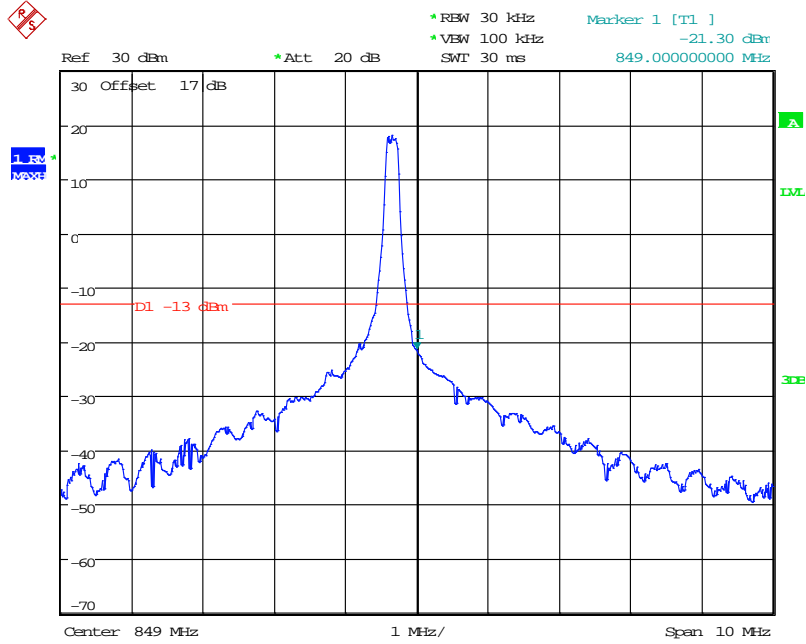


Date: 22.OCT.2024 16:31:15



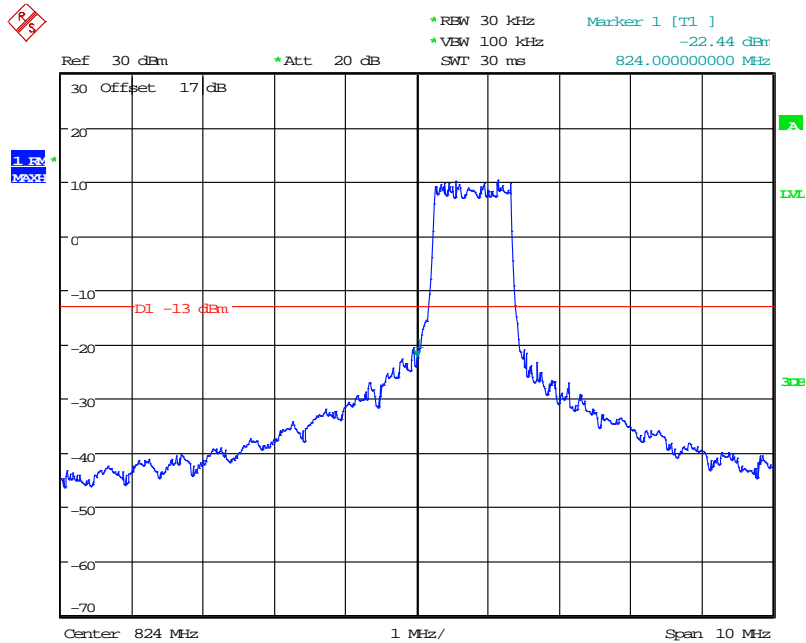


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:39:04

FRB

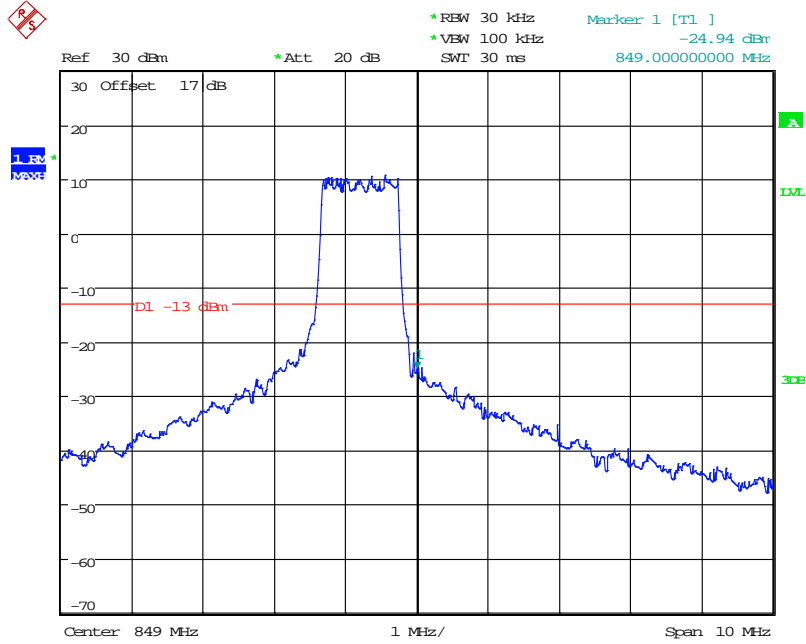


Date: 22.OCT.2024 16:29:58



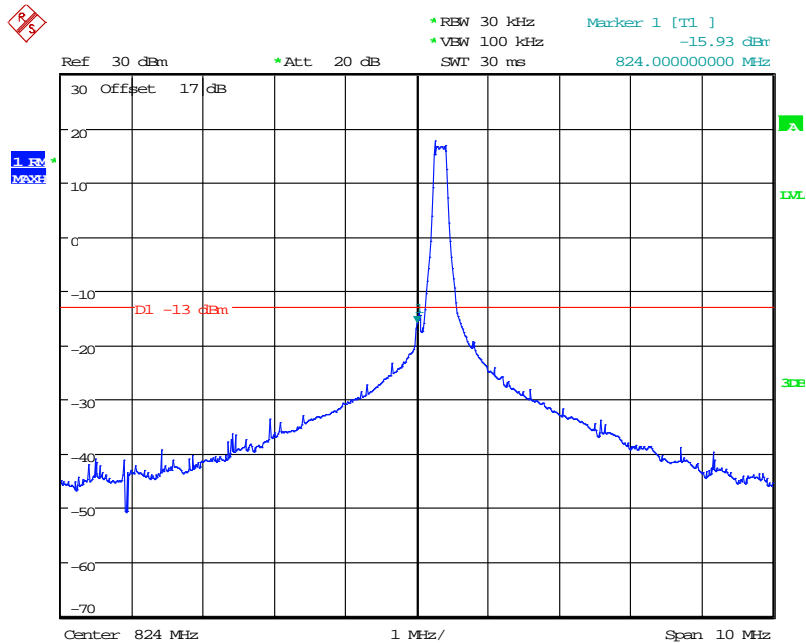
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:38:00

16QAM  
1RB

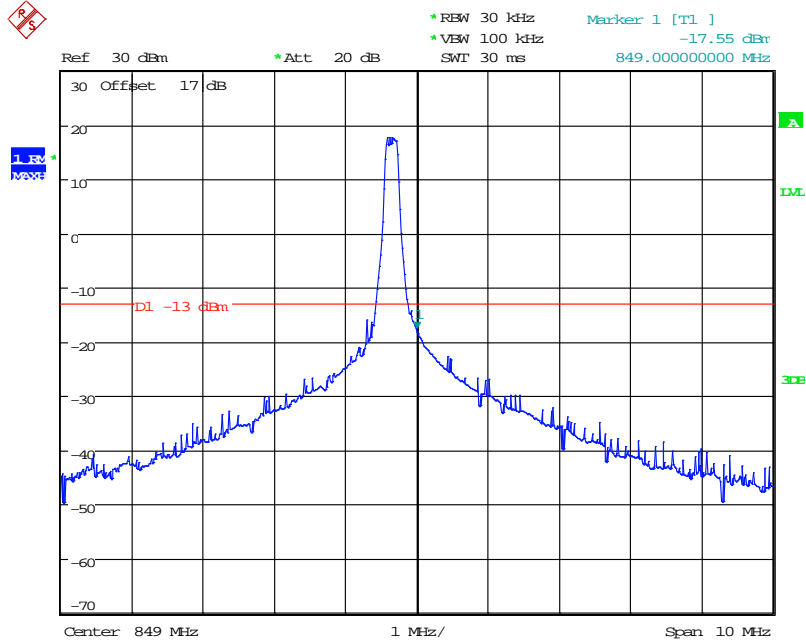


Date: 22.OCT.2024 16:32:33



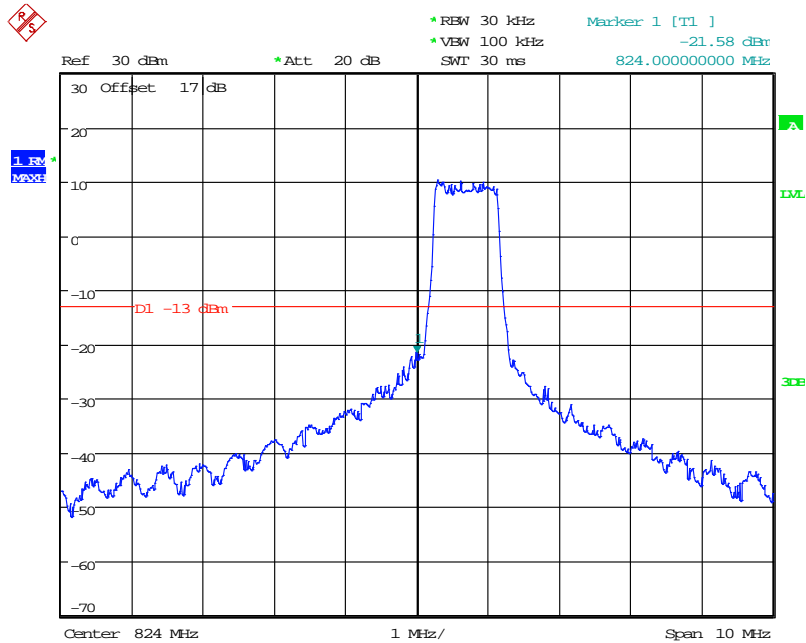
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:40:41

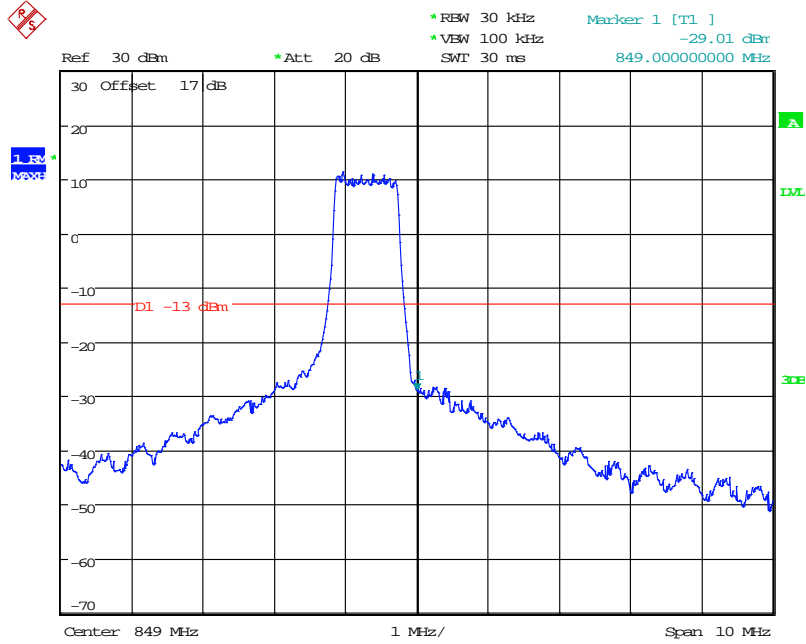
FRB



Date: 22.OCT.2024 16:33:52

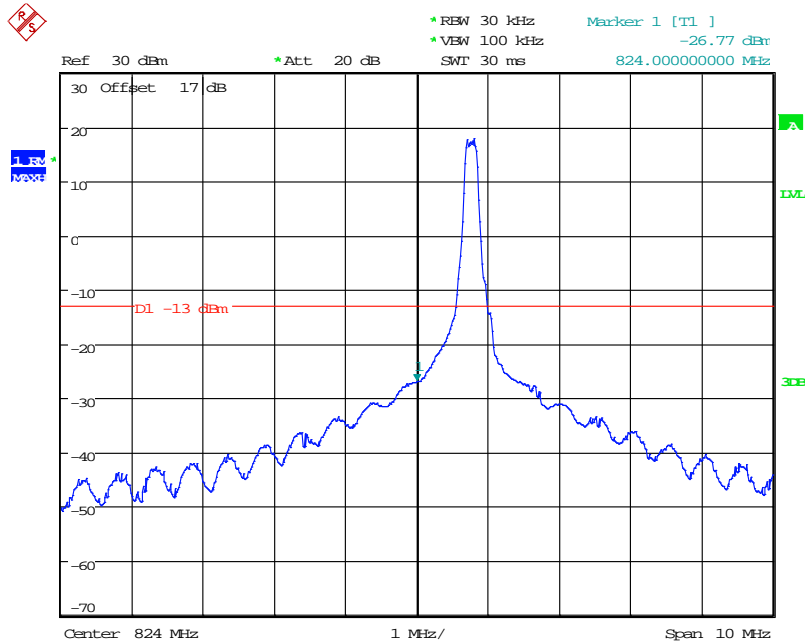


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:42:20

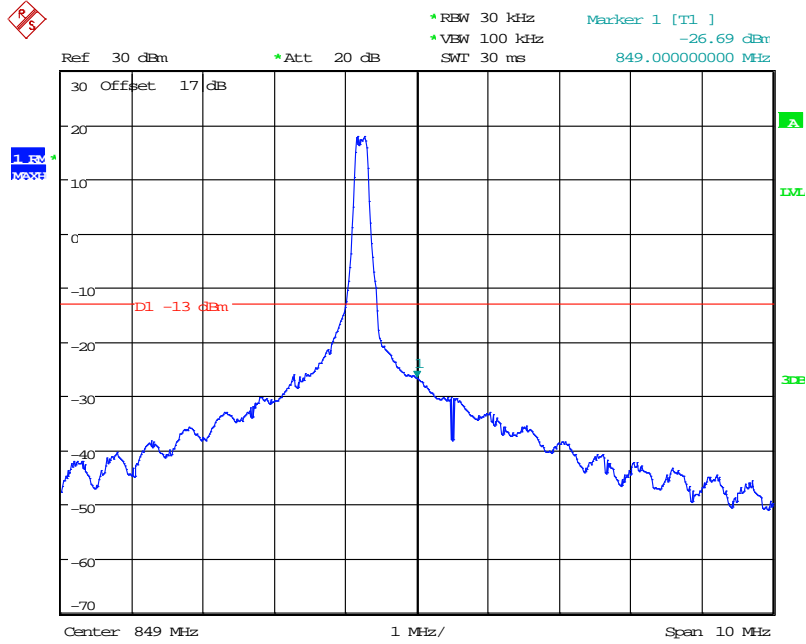
10 MHz  
QPSK  
1RB



Date: 22.OCT.2024 16:41:41

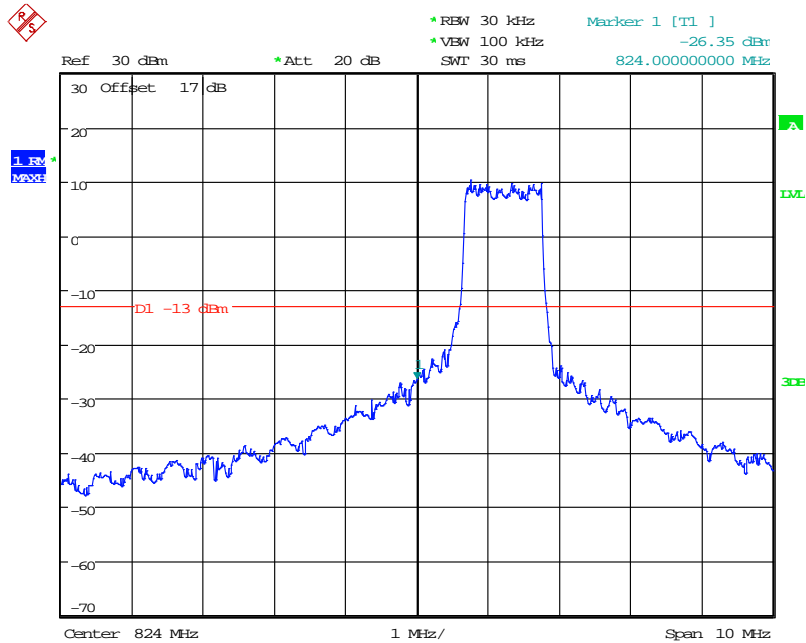


Registration number: W6M22407-23644-C-247  
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Date: 15.AUG.2024 18:14:07

FRB

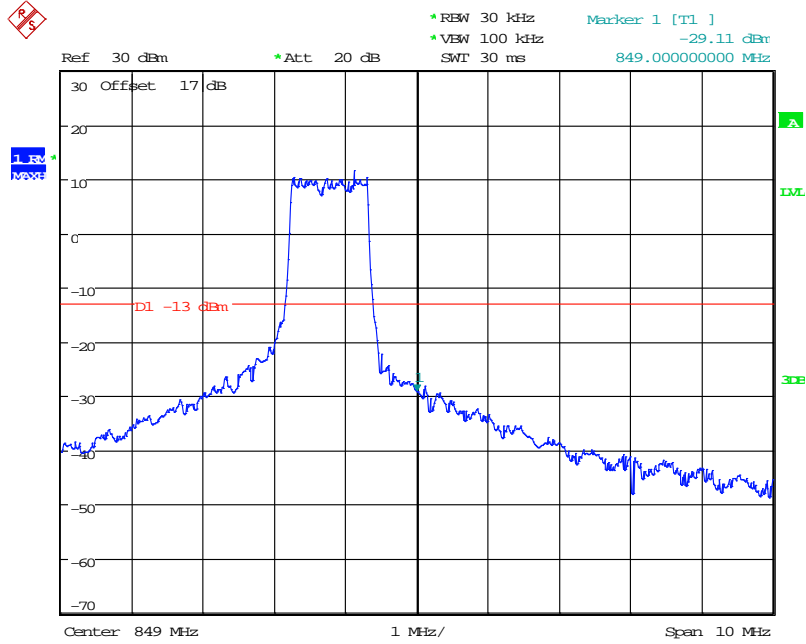


Date: 22.OCT.2024 16:43:14



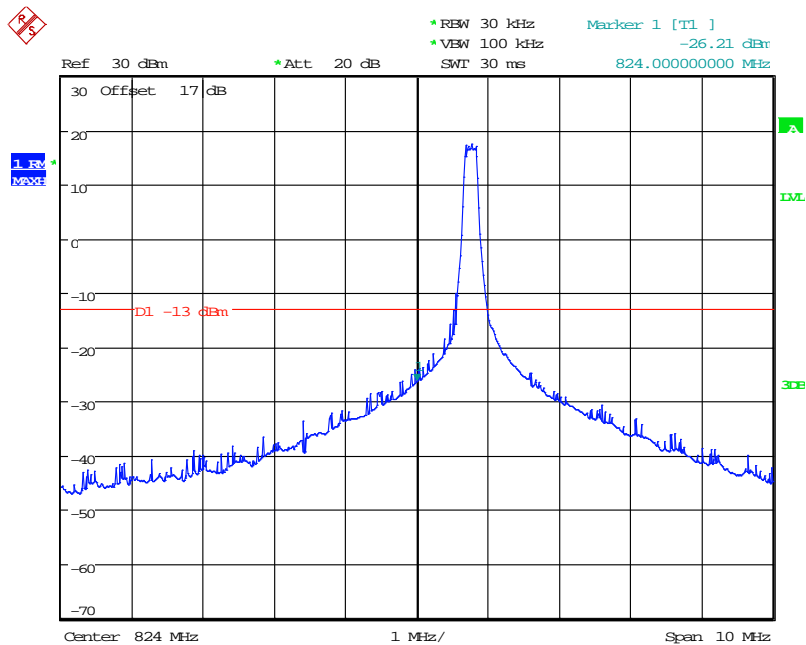
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 18:15:19

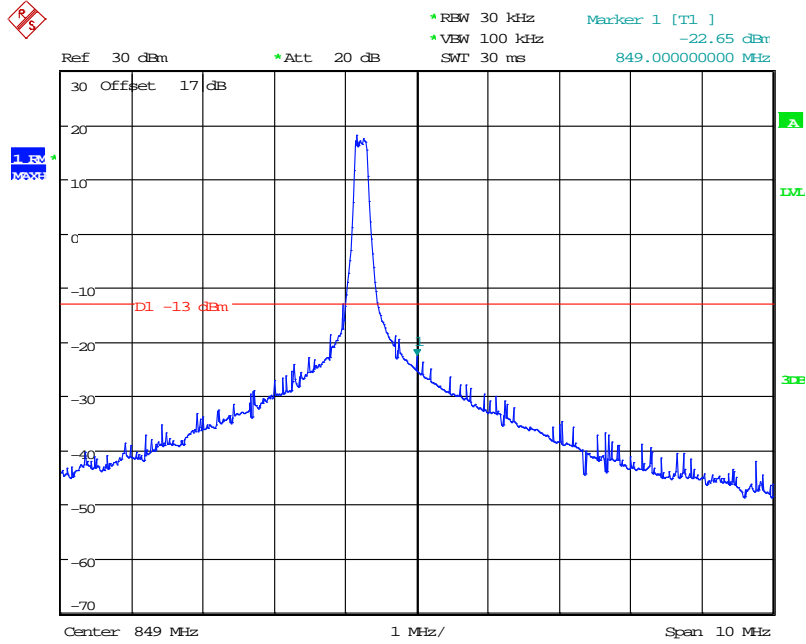
16QAM  
1RB



Date: 22.OCT.2024 16:40:16

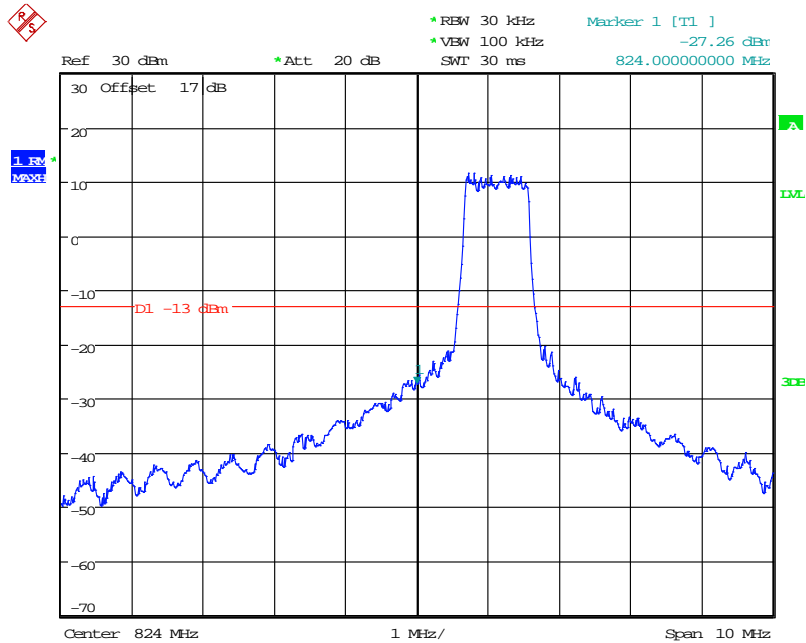


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 18:18:08

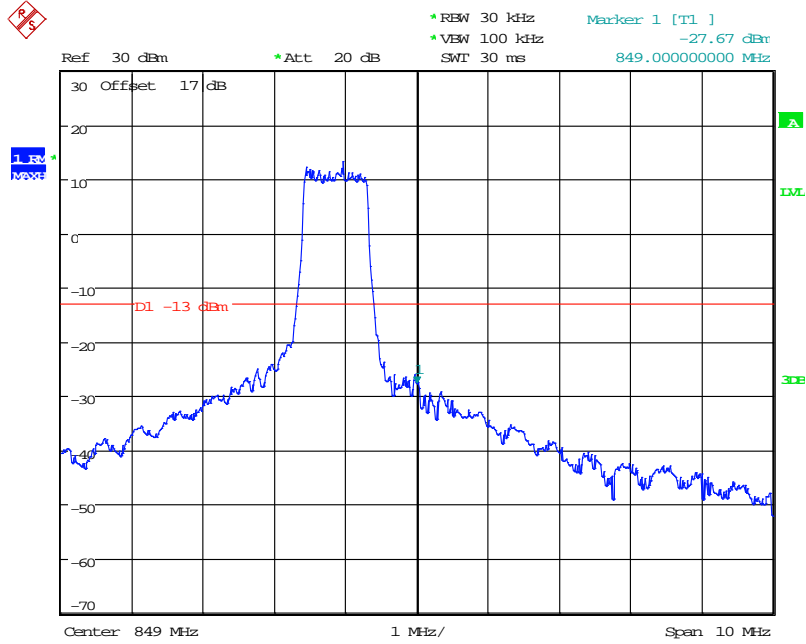
FRB



Date: 22.OCT.2024 16:37:16

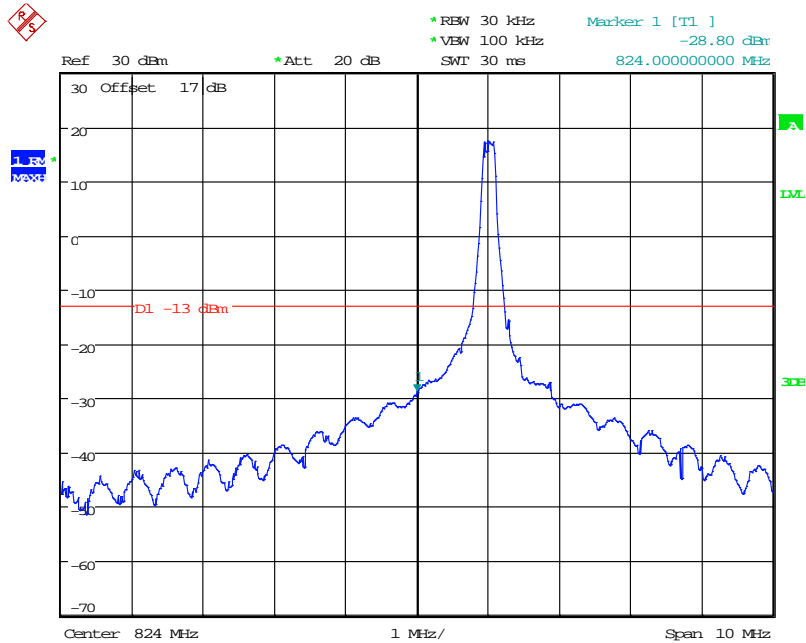


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 18:16:31

15 MHz  
QPSK  
1RB

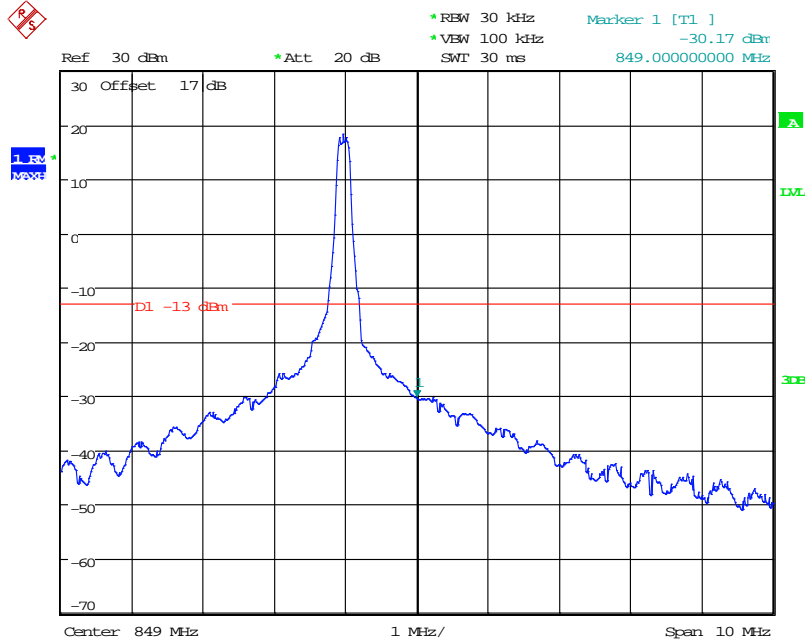


Date: 22.OCT.2024 16:49:10



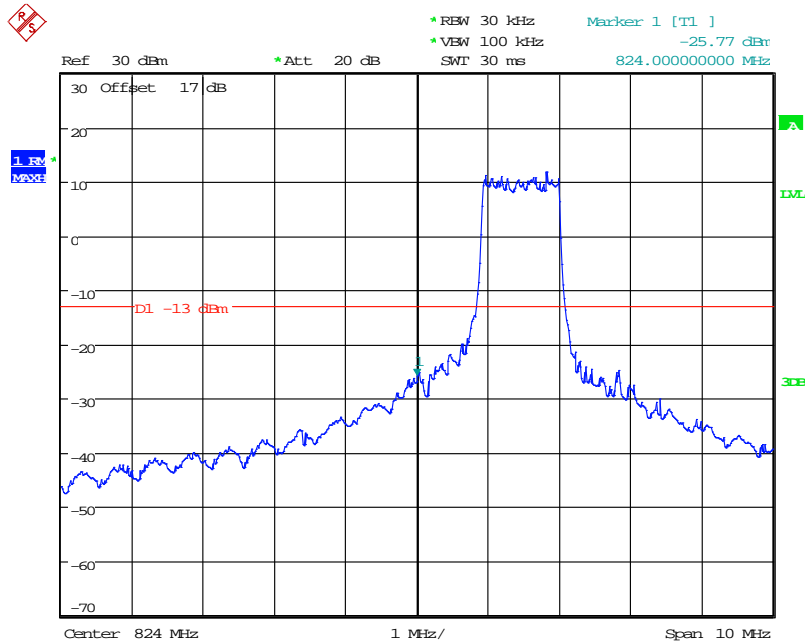


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:01:07

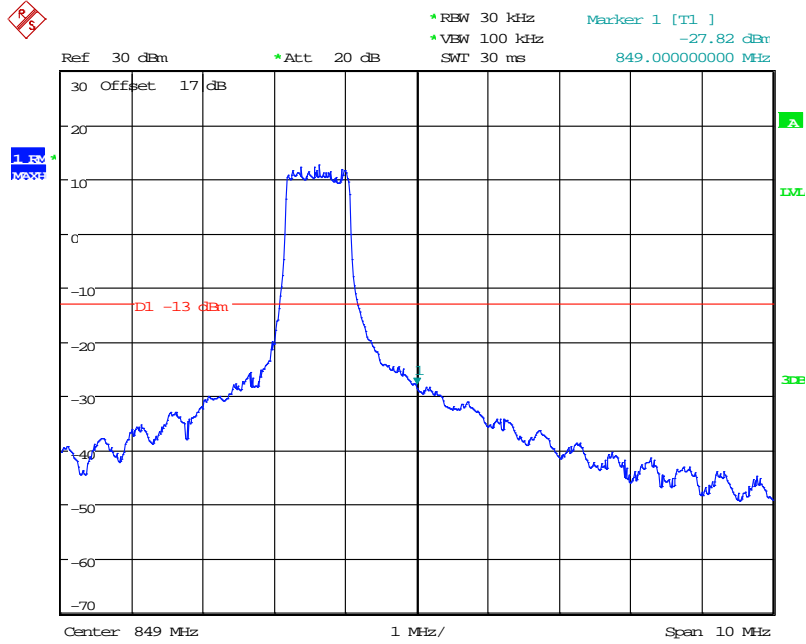
FRB



Date: 22.OCT.2024 16:47:55

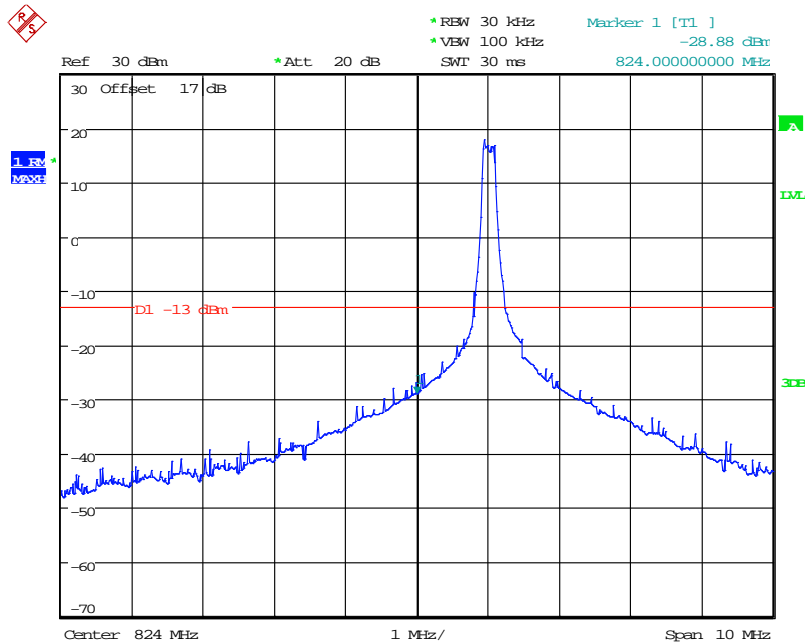


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 16:02:28

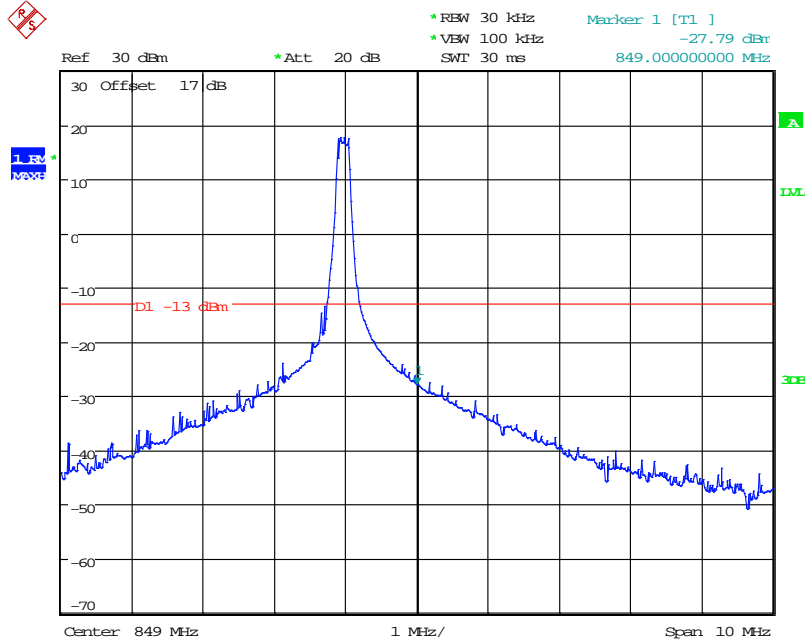
16QAM  
1RB



Date: 22.OCT.2024 16:50:43

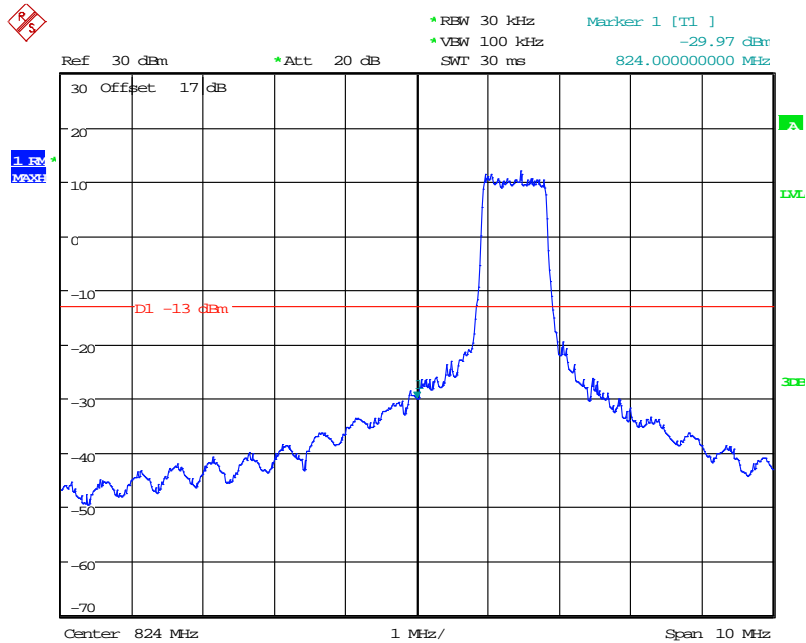


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:59:38

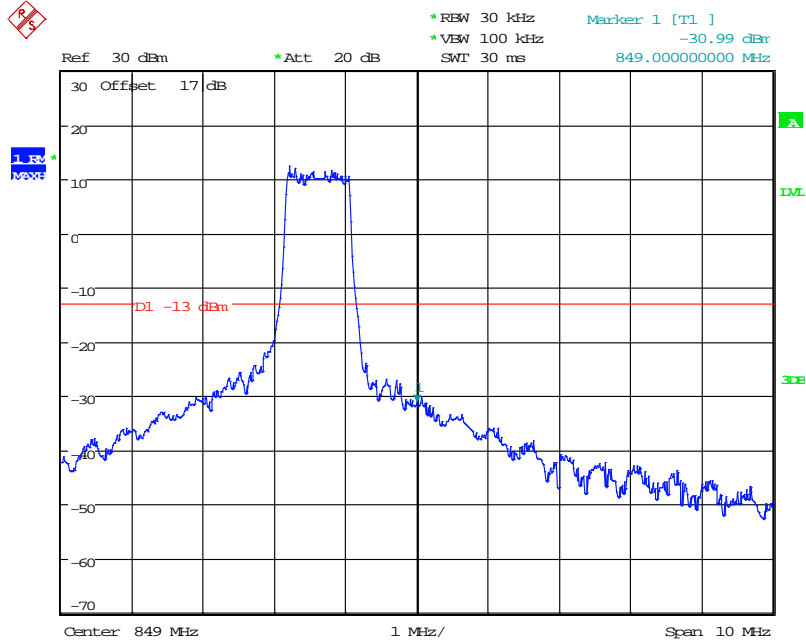
FRB



Date: 22.OCT.2024 16:53:03

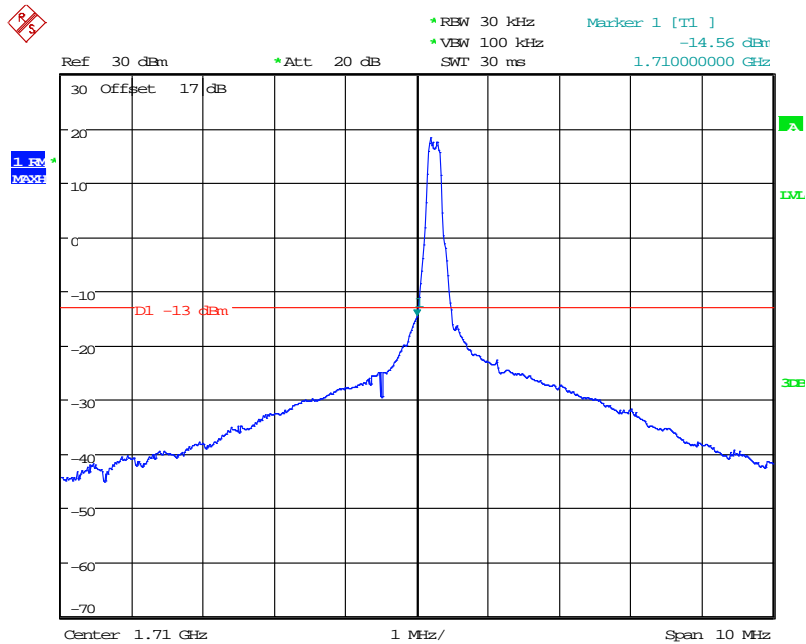


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:58:03

Band 66  
1.4 MHz  
QPSK  
1RB

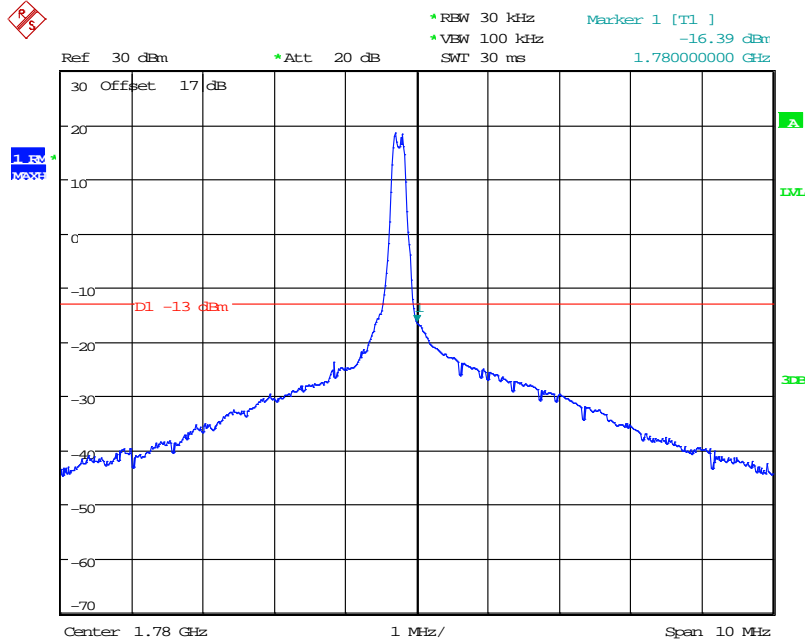


Date: 16.AUG.2024 13:10:30



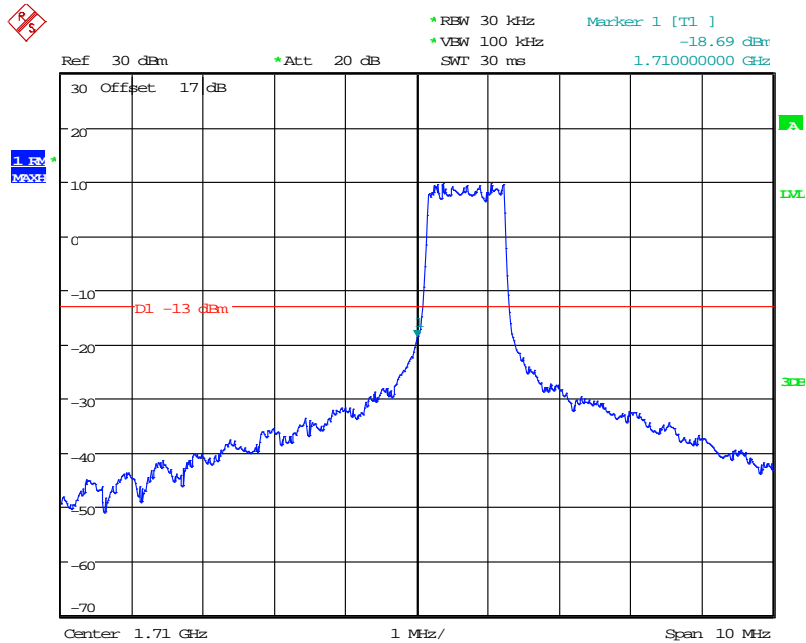
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 12:04:15

FRB

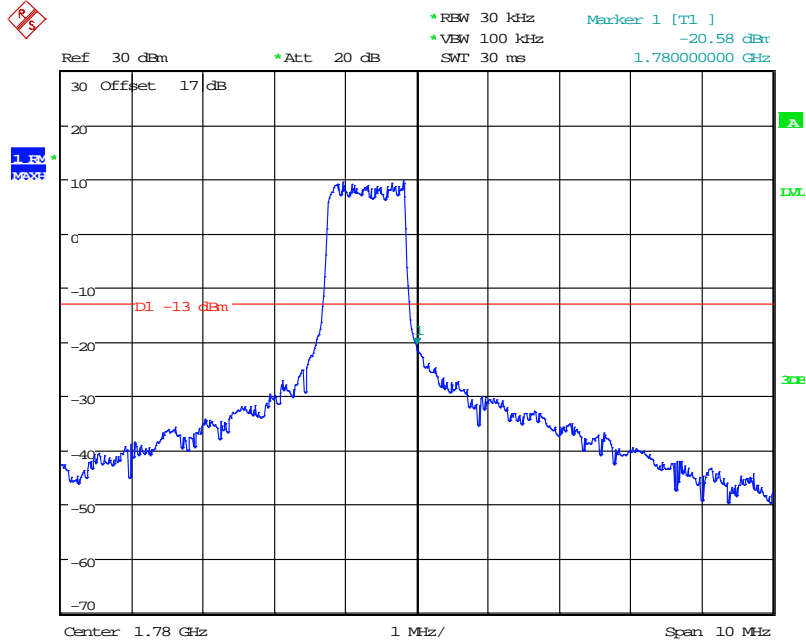


Date: 16.AUG.2024 13:12:17



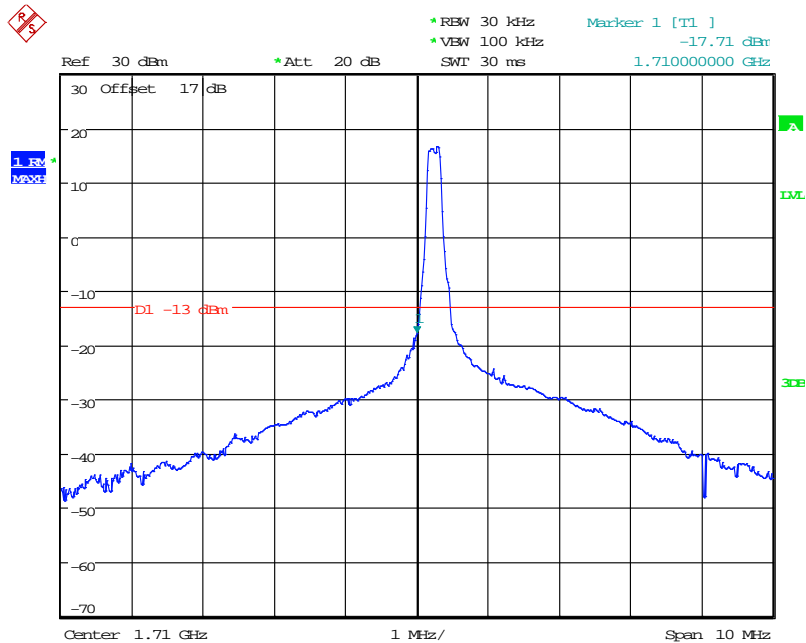
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 12:02:34

16QAM  
1RB

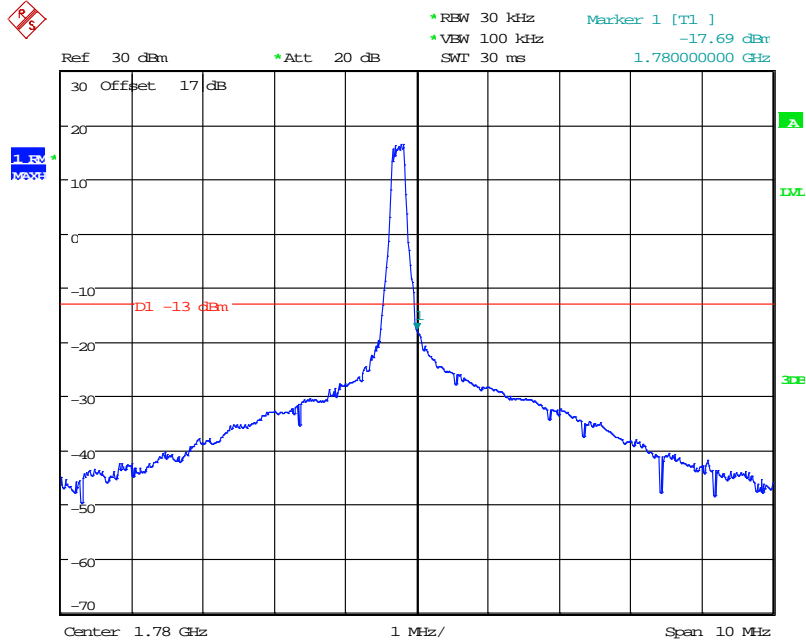


Date: 16.AUG.2024 13:08:06



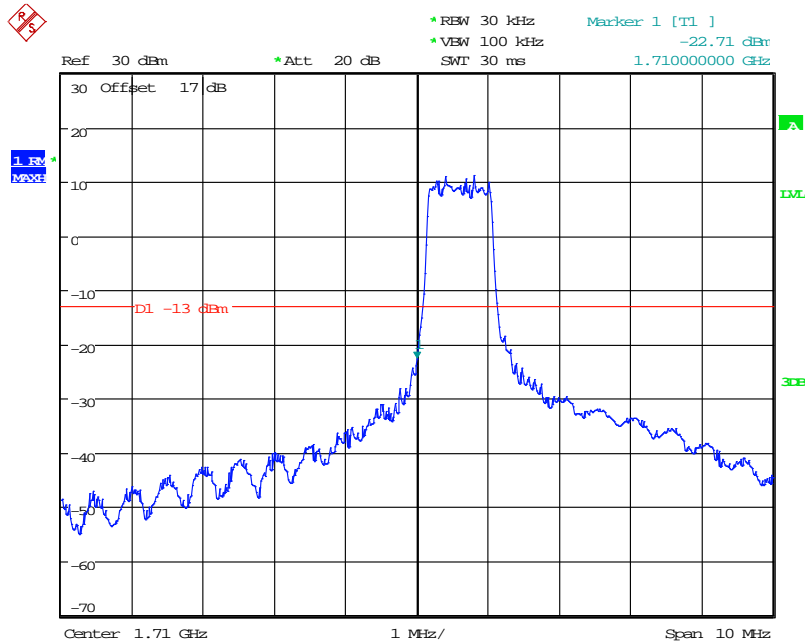
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 12:06:00

FRB

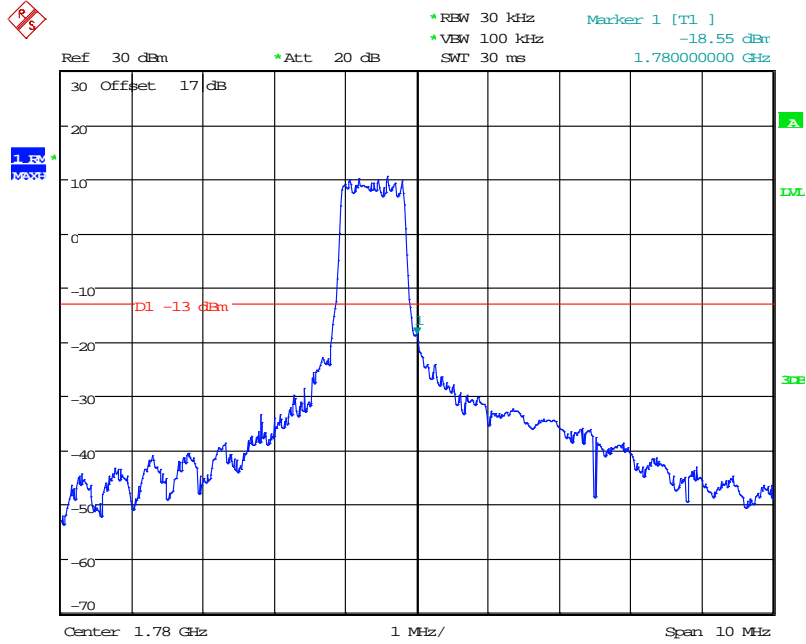


Date: 16.AUG.2024 13:06:22



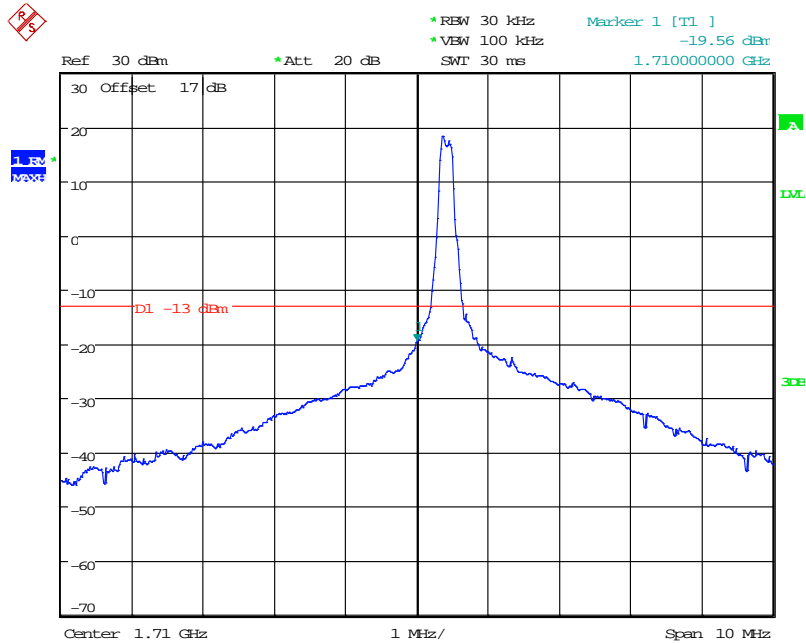
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 12:07:56

3 MHz  
QPSK  
1RB



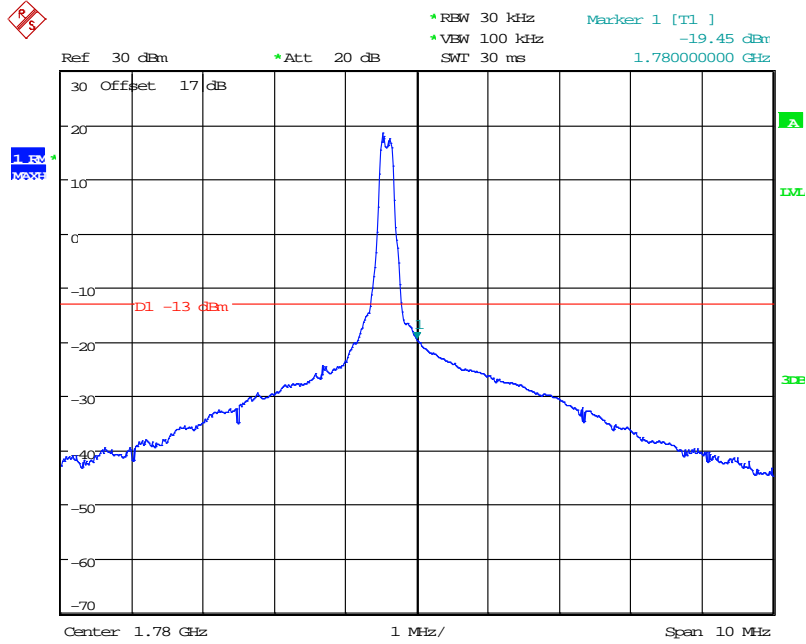
Date: 16.AUG.2024 11:43:55





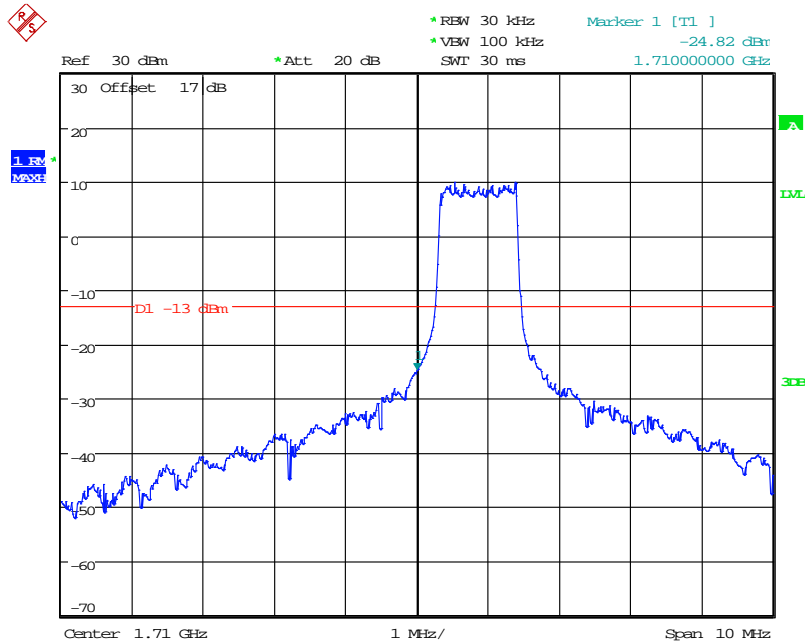
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FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:51:30

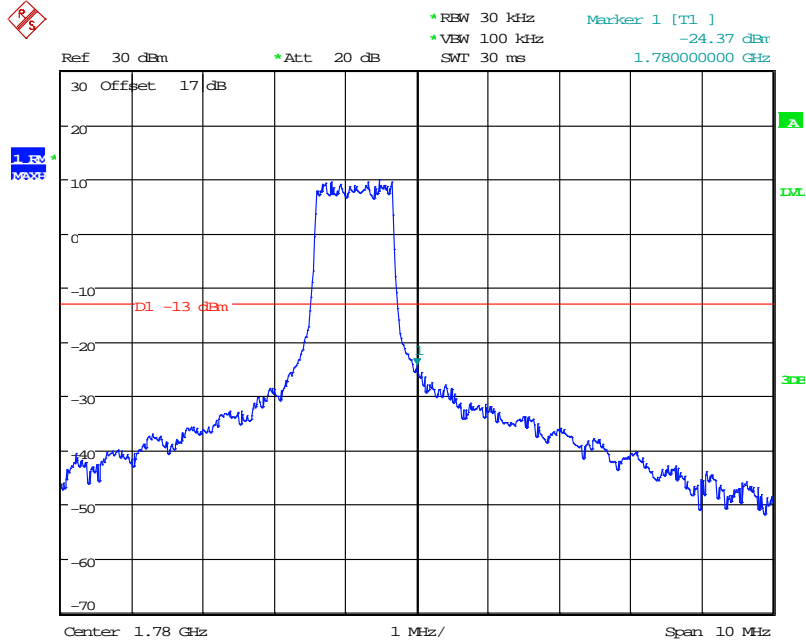
FRB



Date: 16.AUG.2024 11:42:19

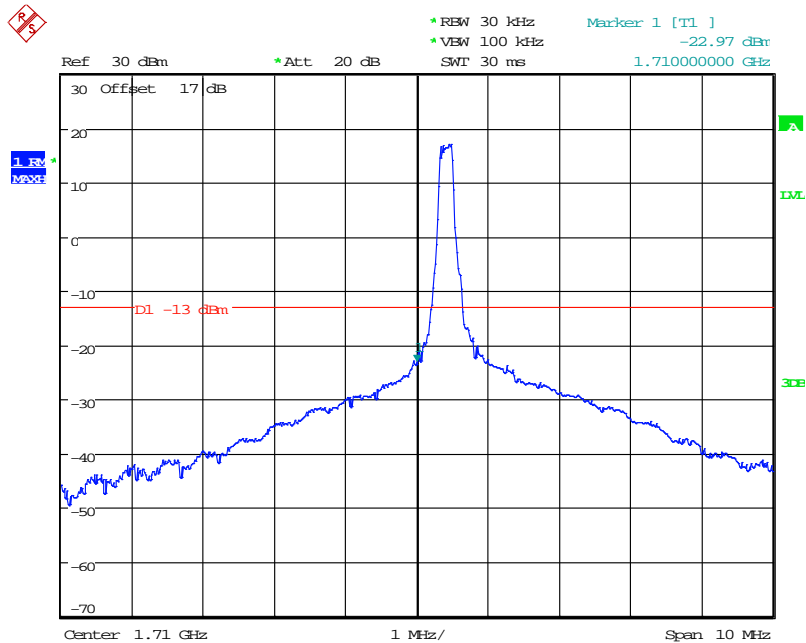


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:52:48

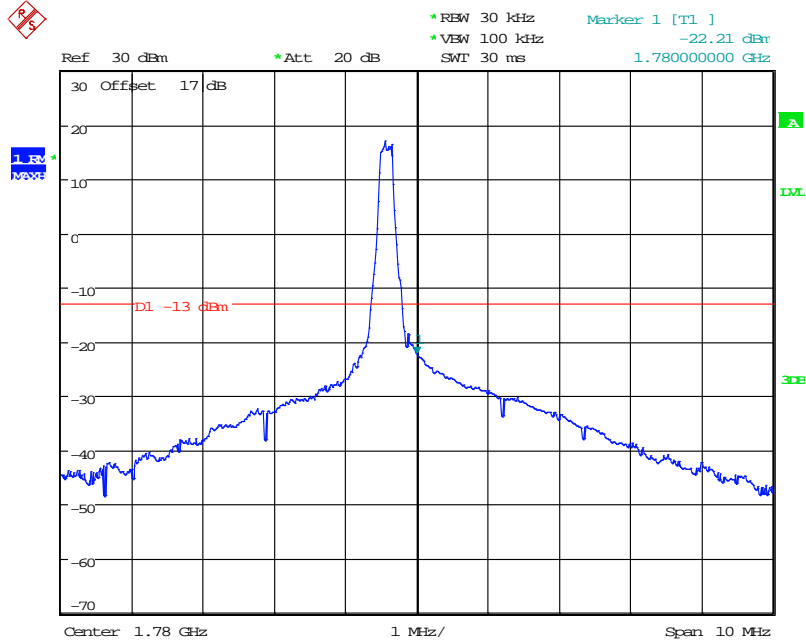
16QAM  
1RB



Date: 16.AUG.2024 11:45:13

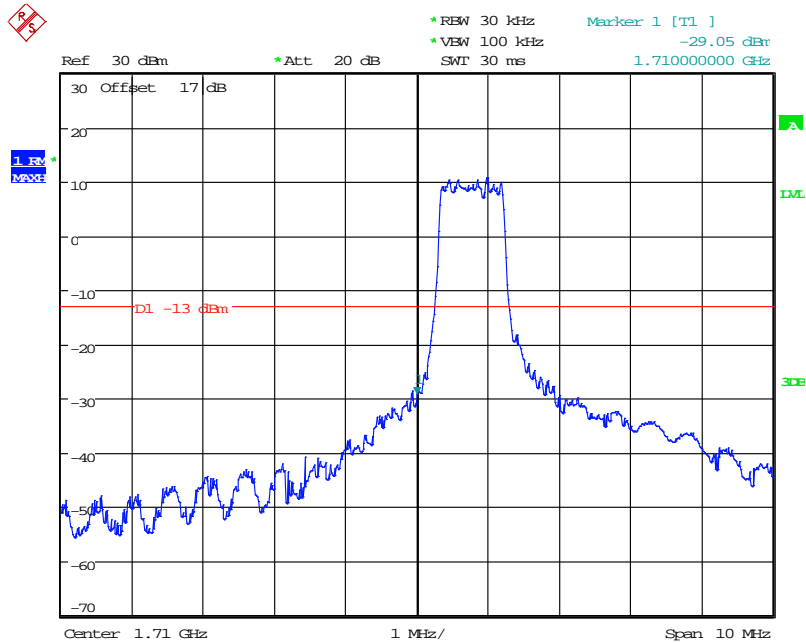


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:49:36

FRB

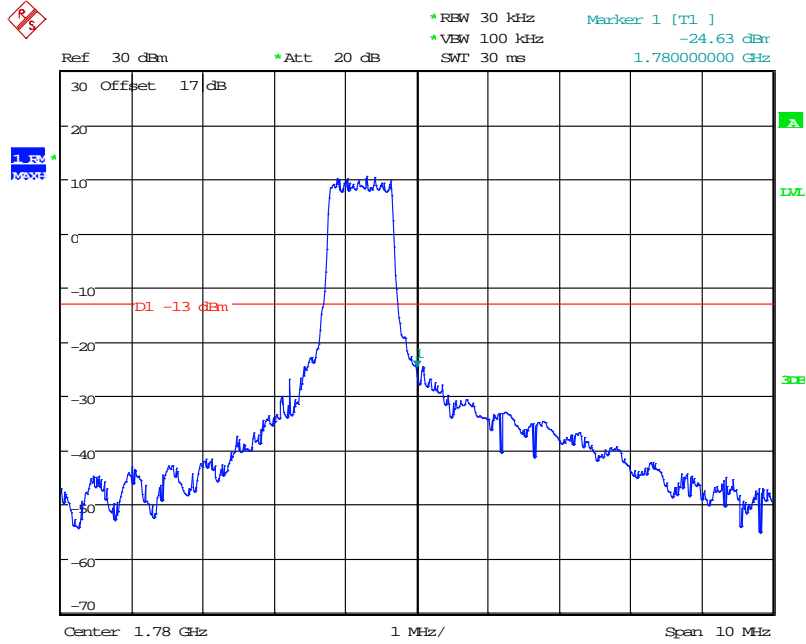


Date: 16.AUG.2024 11:46:22



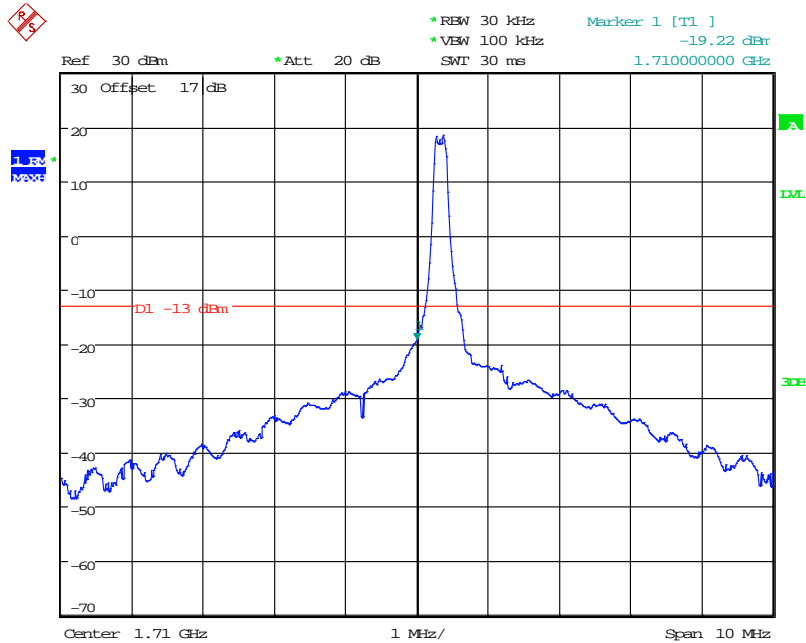
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 11:47:59

5 MHz  
QPSK  
1RB

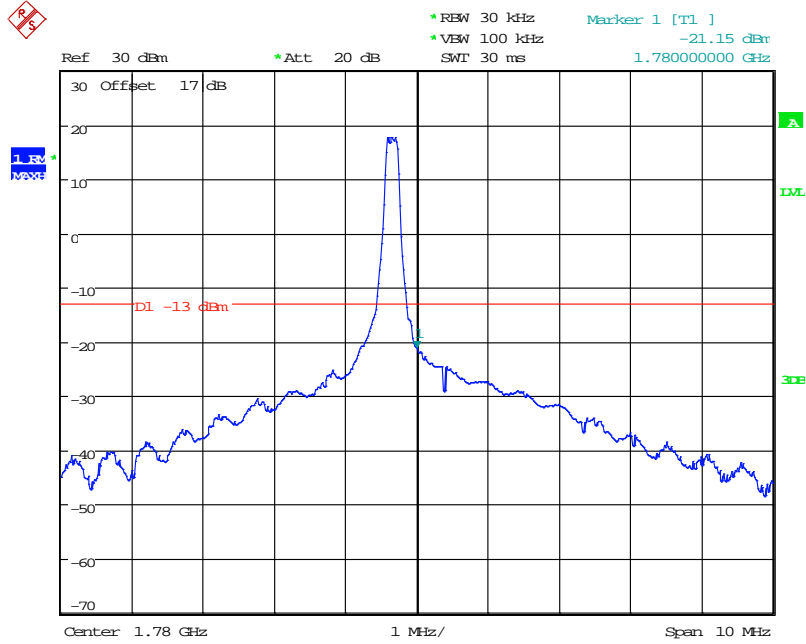


Date: 16.AUG.2024 08:23:22



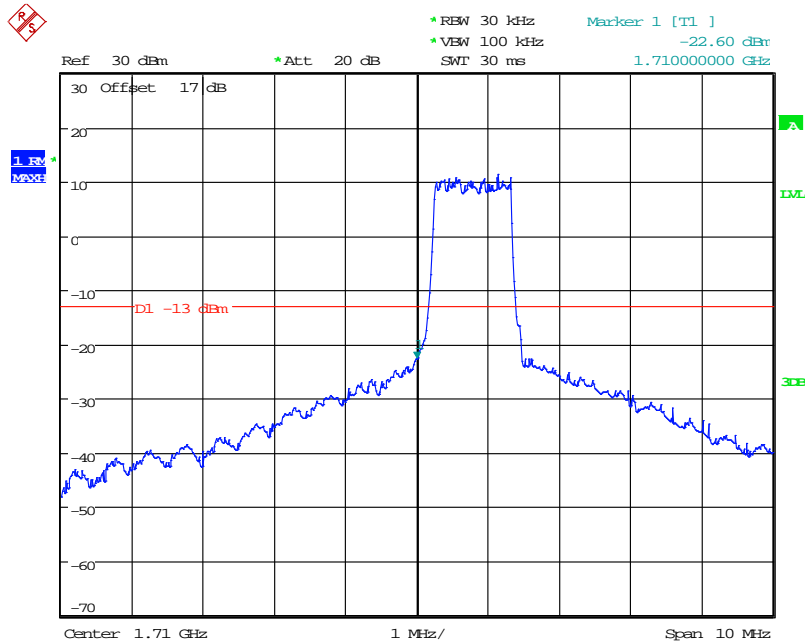
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:33:39

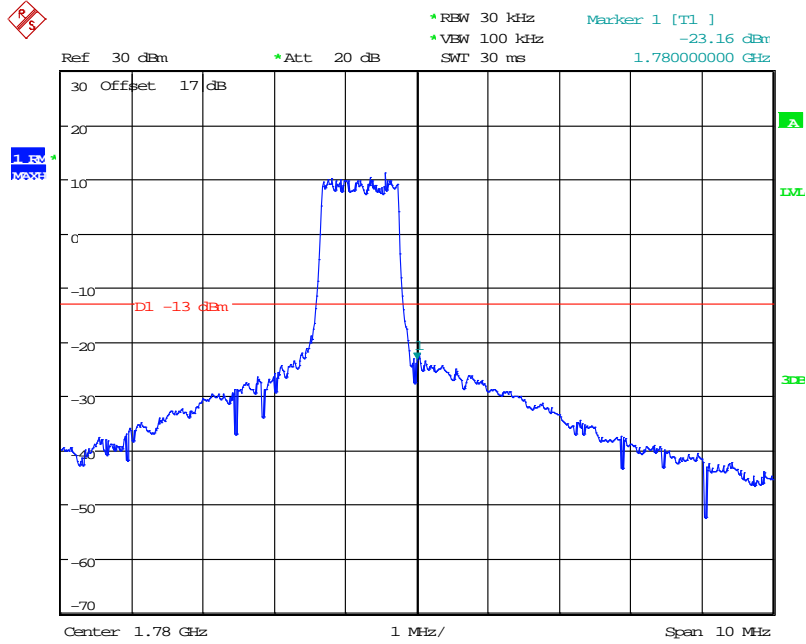
FRB



Date: 16.AUG.2024 08:22:02

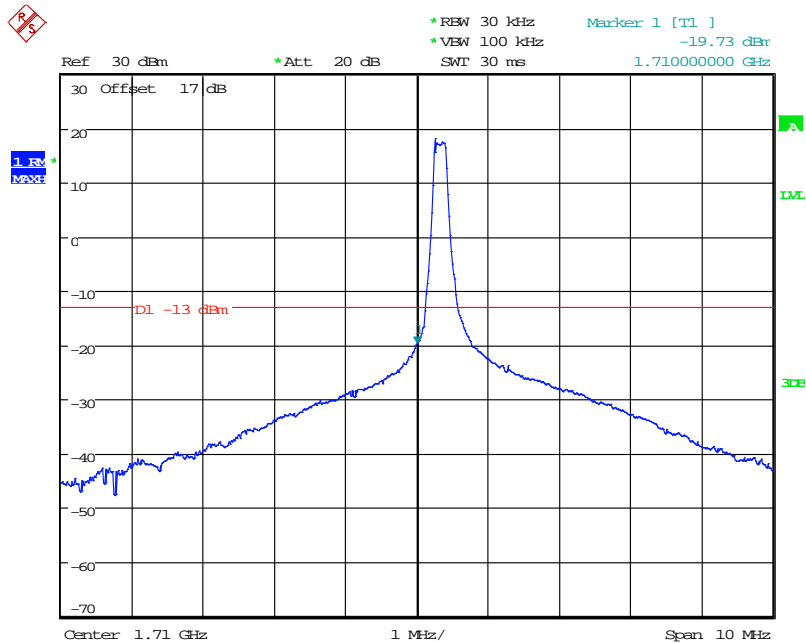


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Date: 16.AUG.2024 08:34:59

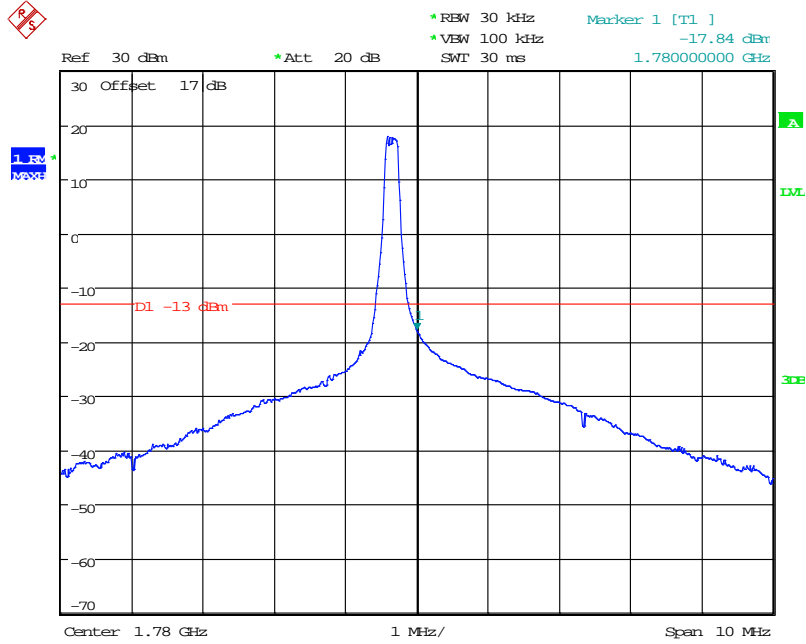
16QAM  
1RB



Date: 16.AUG.2024 08:25:24

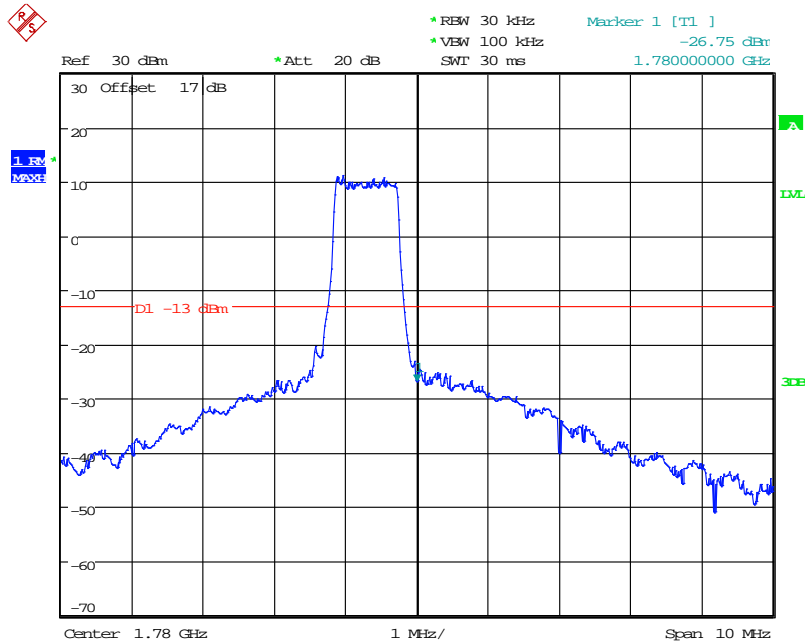


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Date: 16.AUG.2024 08:31:56

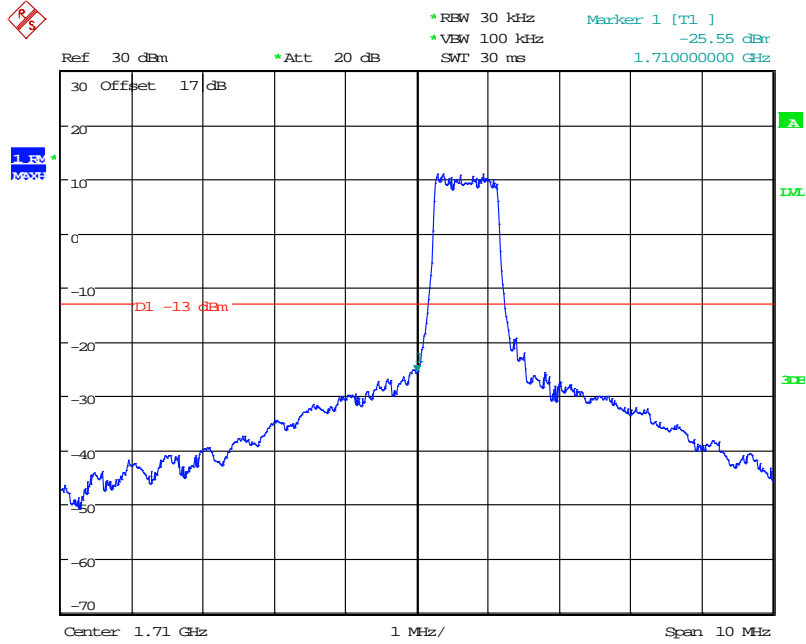
FRB



Date: 16.AUG.2024 08:28:31

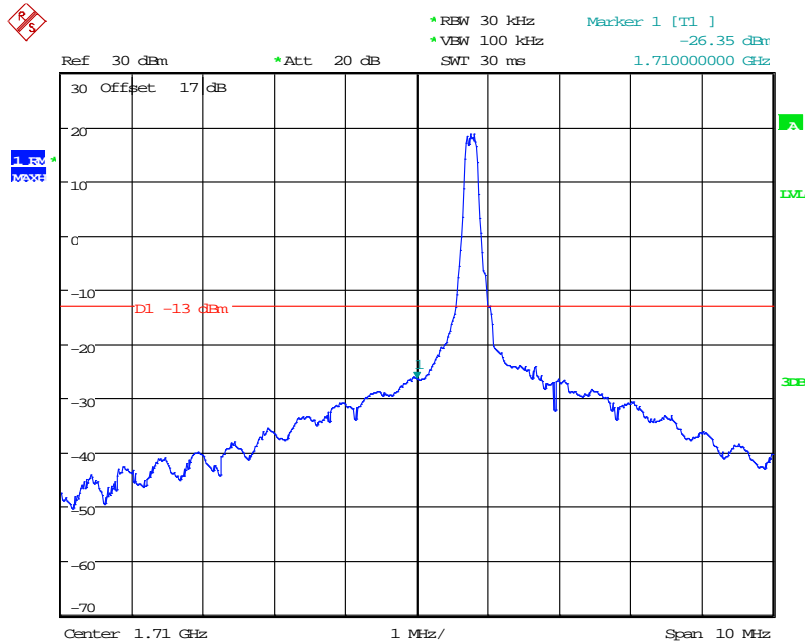


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:26:34

10 MHz  
QPSK  
1RB



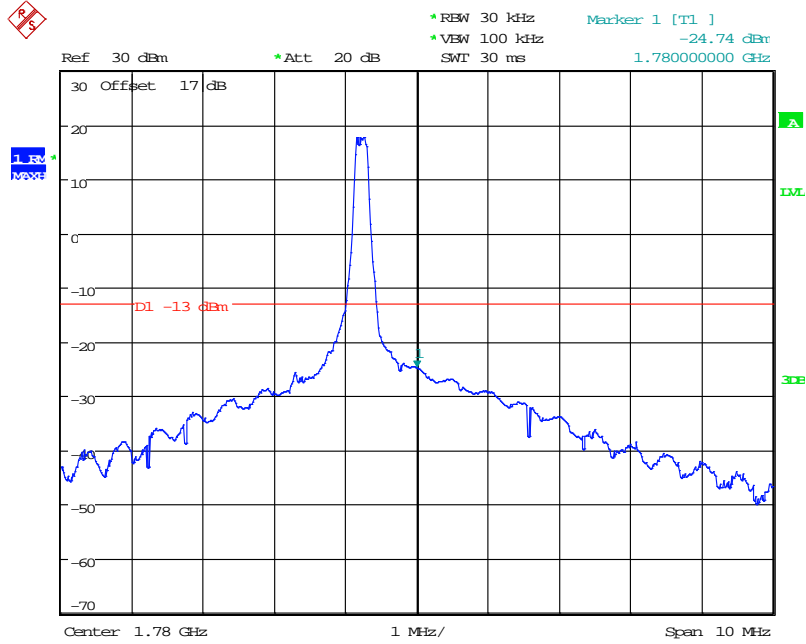
Date: 16.AUG.2024 08:05:33





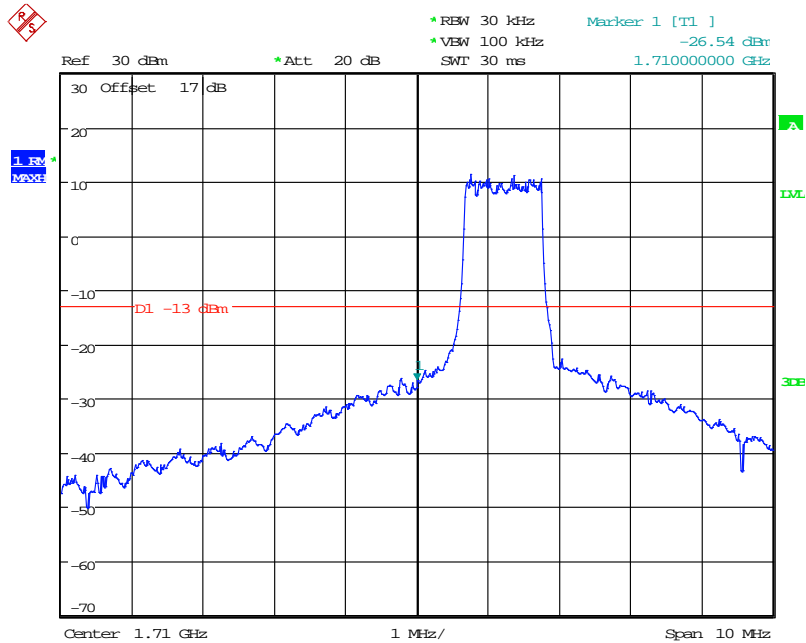
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:07:11

FRB

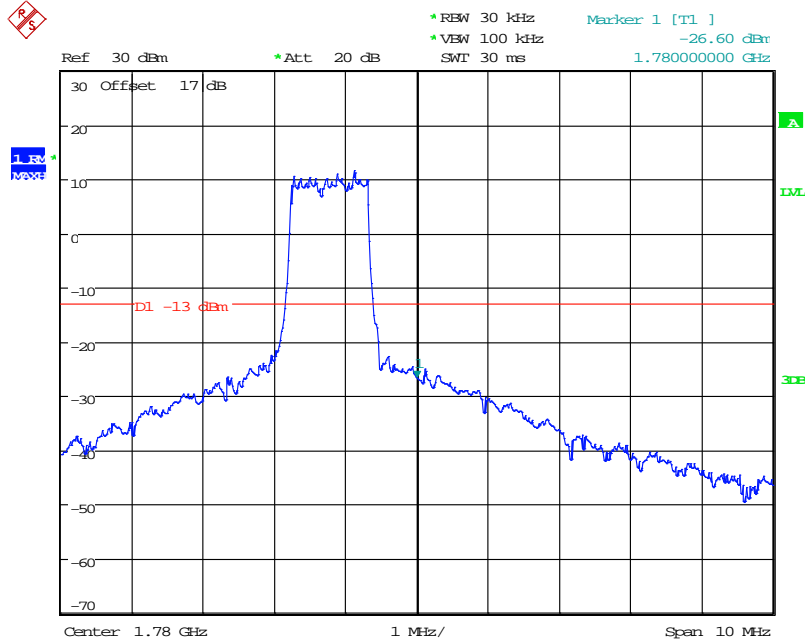


Date: 16.AUG.2024 08:04:22



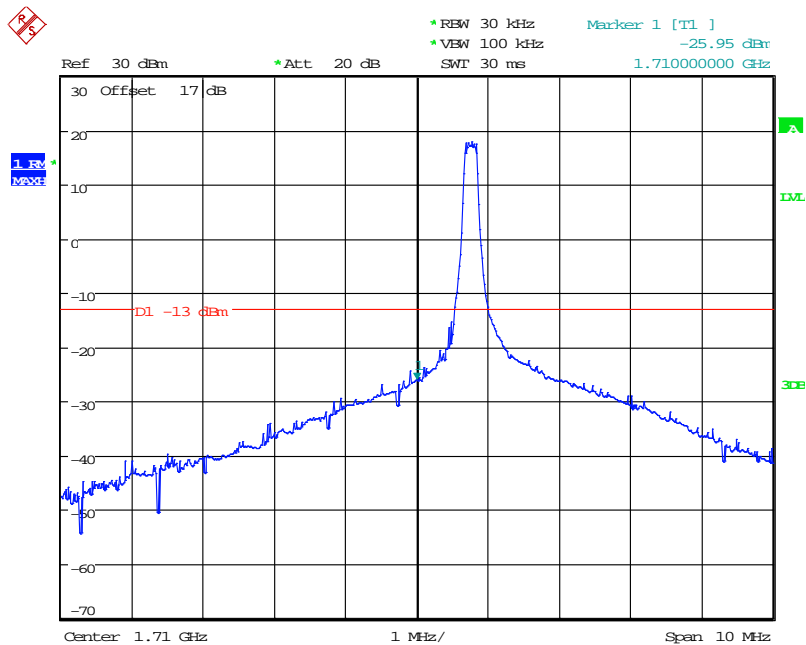
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Date: 16.AUG.2024 08:10:35

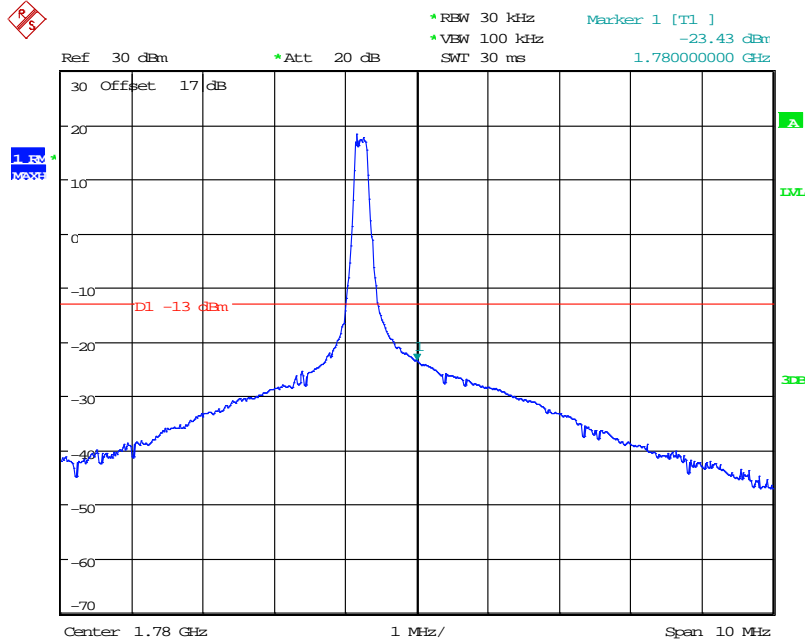
16QAM  
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Date: 16.AUG.2024 08:01:33

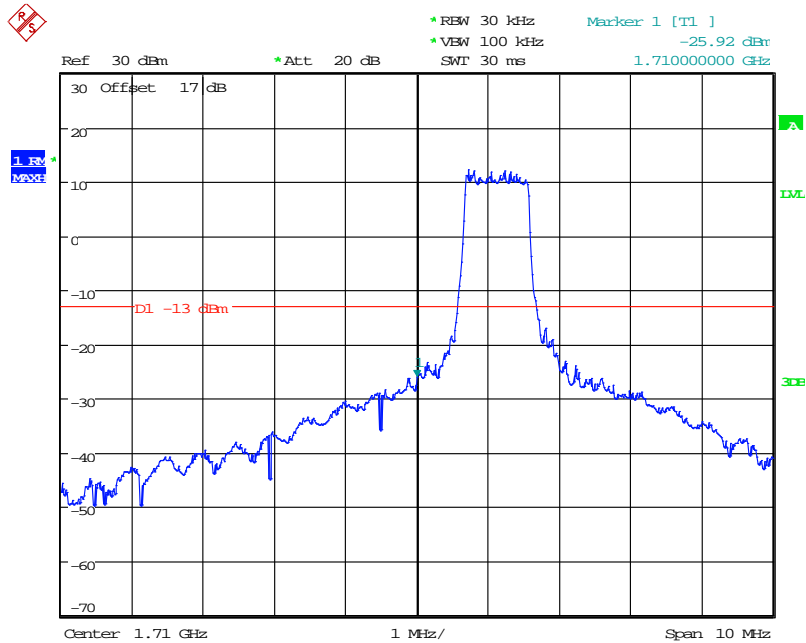


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Date: 16.AUG.2024 08:13:40

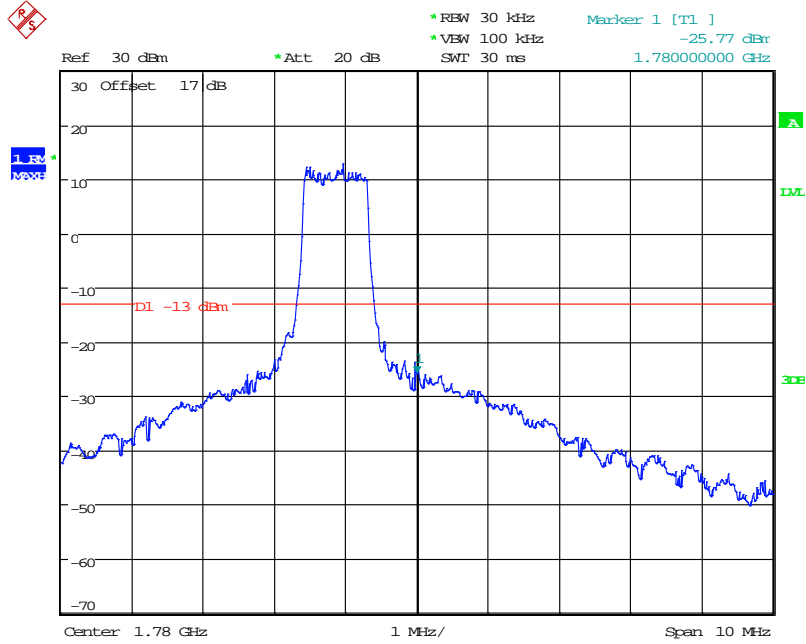
FRB



Date: 16.AUG.2024 08:02:47

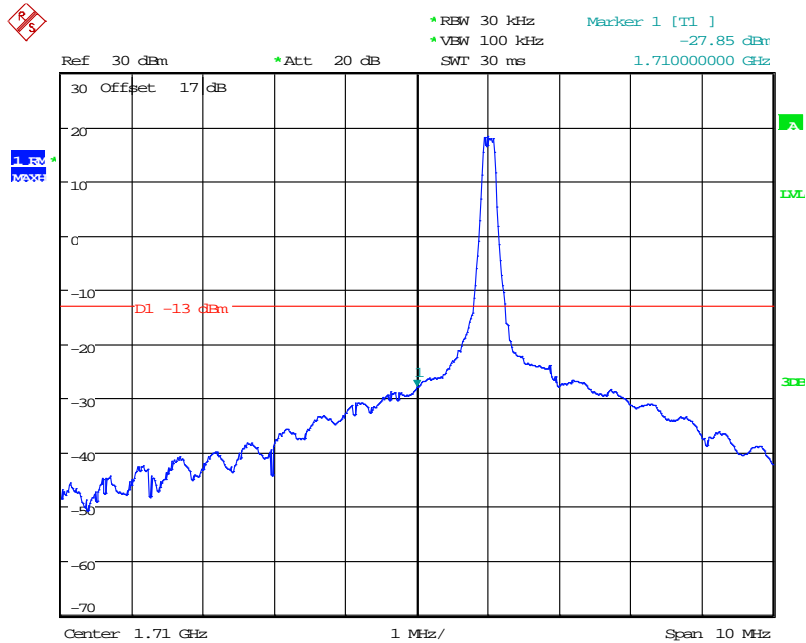


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 16.AUG.2024 08:12:01

15 MHz  
QPSK  
1RB

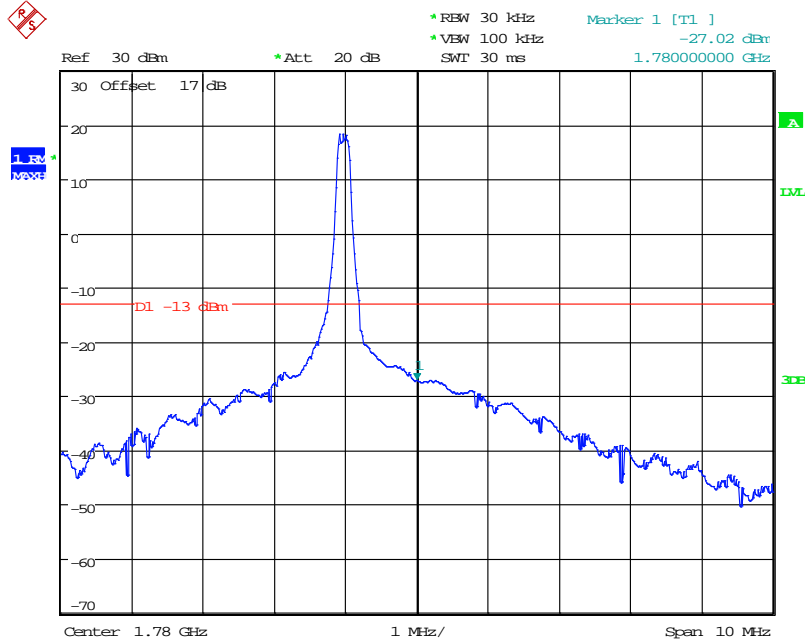


Date: 15.AUG.2024 15:43:04



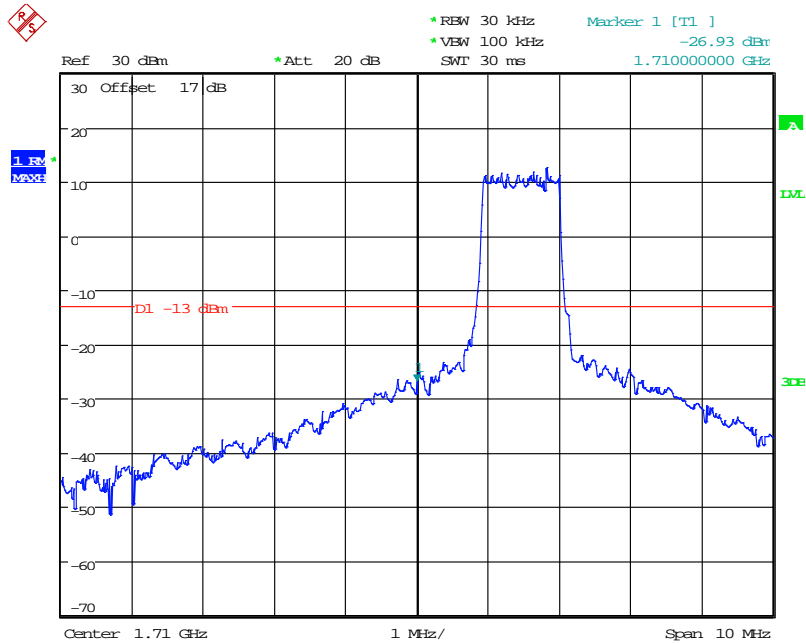
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:33:48

FRB

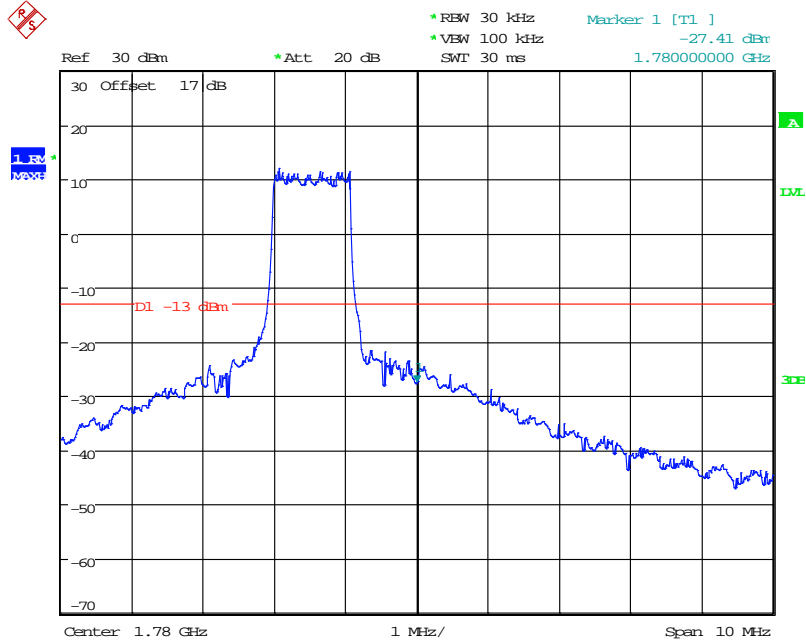


Date: 15.AUG.2024 15:44:11



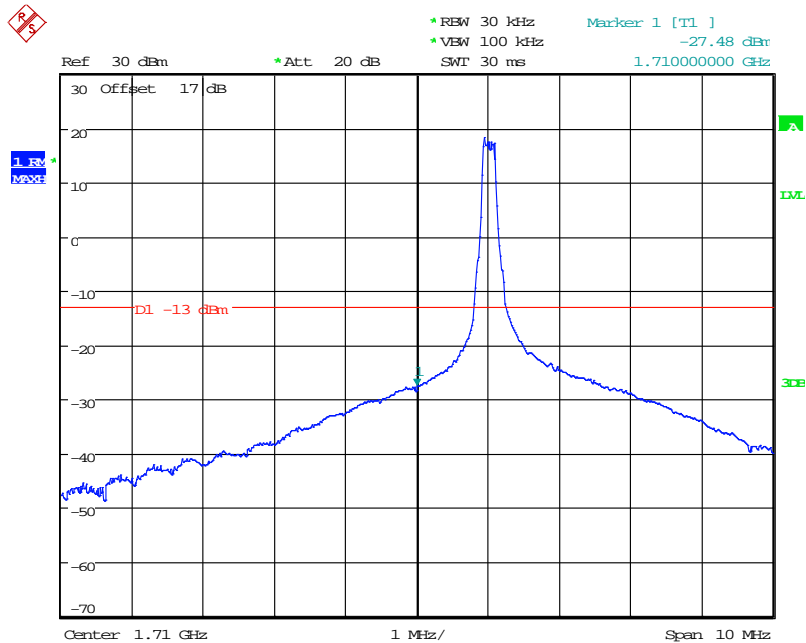
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:32:25

16QAM  
1RB

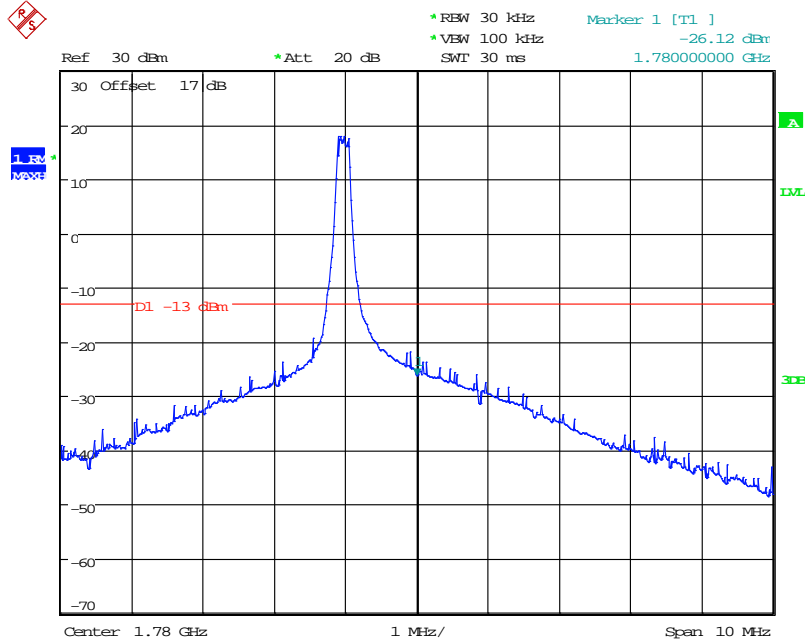


Date: 15.AUG.2024 15:41:20



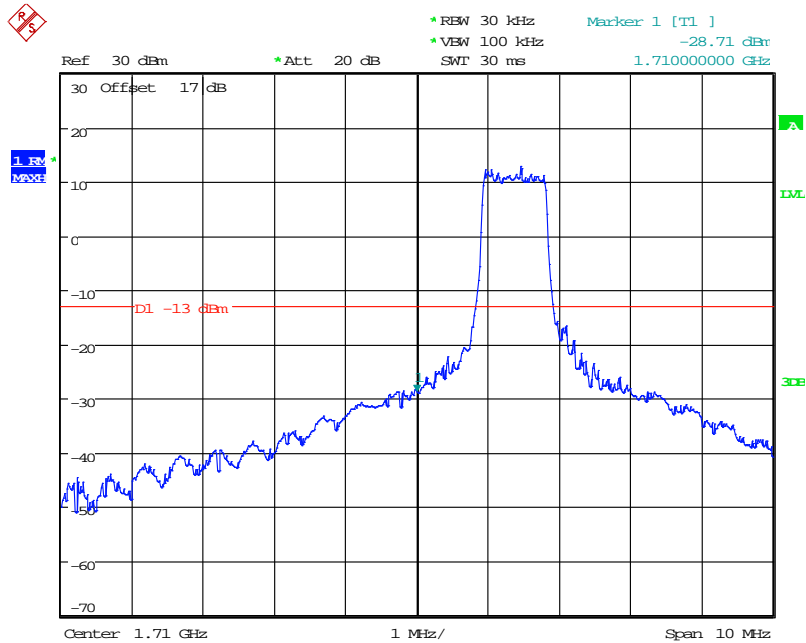
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FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:35:45

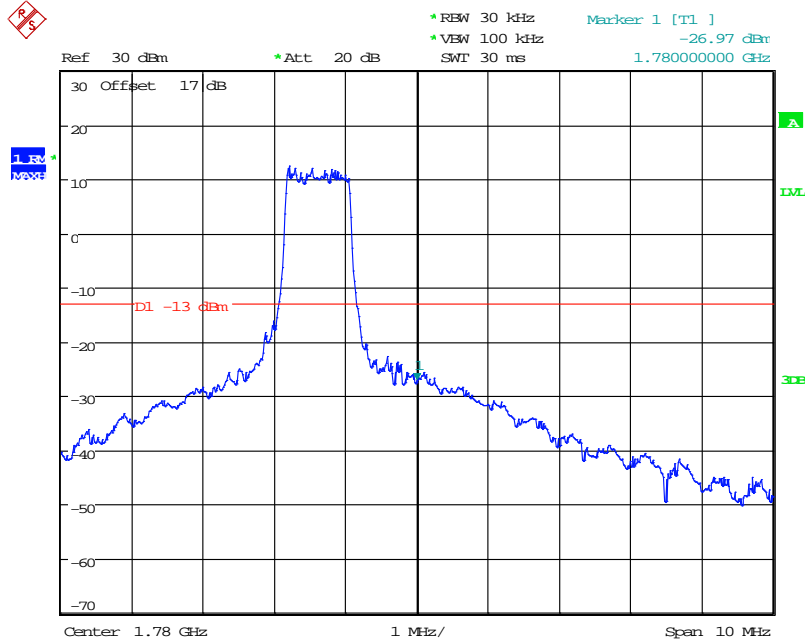
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Date: 15.AUG.2024 15:39:06

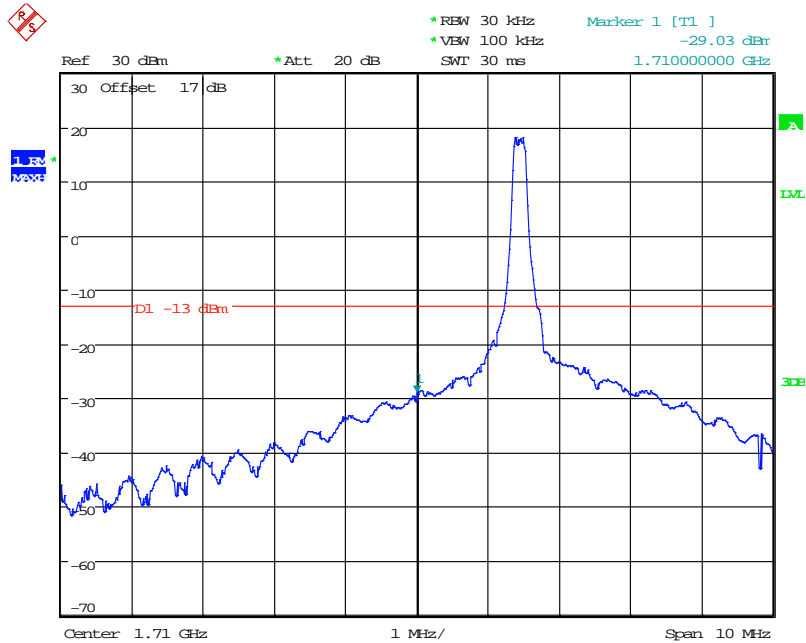


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:37:16

20 MHz  
QPSK  
1RB

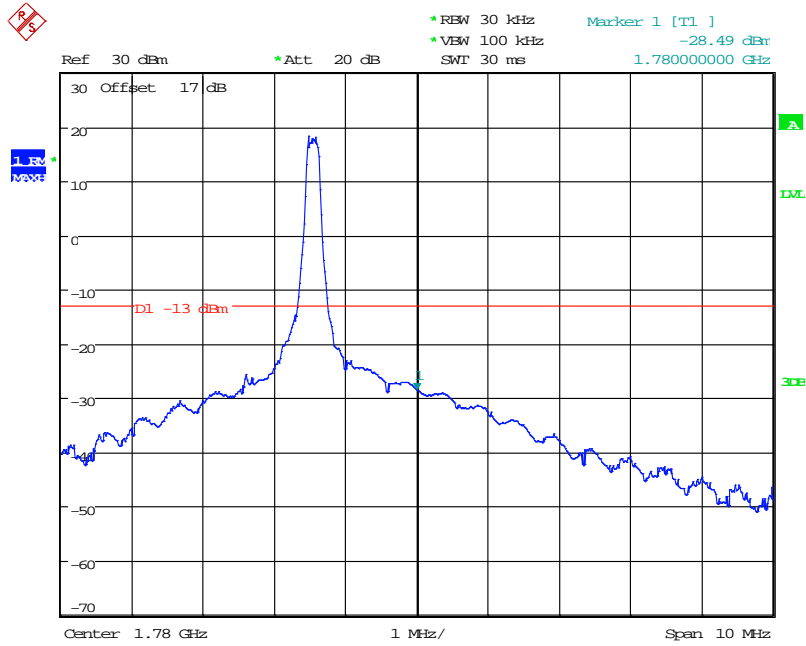


Date: 15.AUG.2024 15:14:52



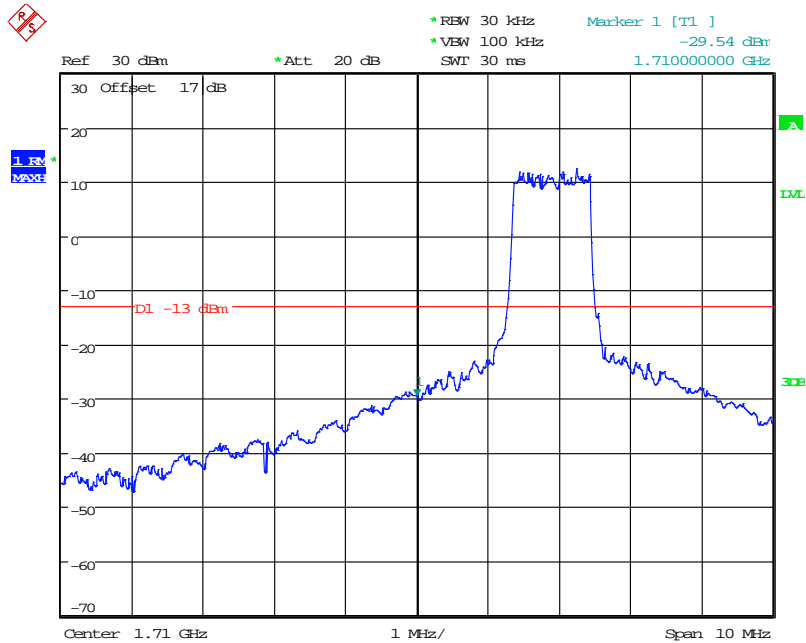


Registration number: W6M22407-23644-C-247  
FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:24:25

FRB

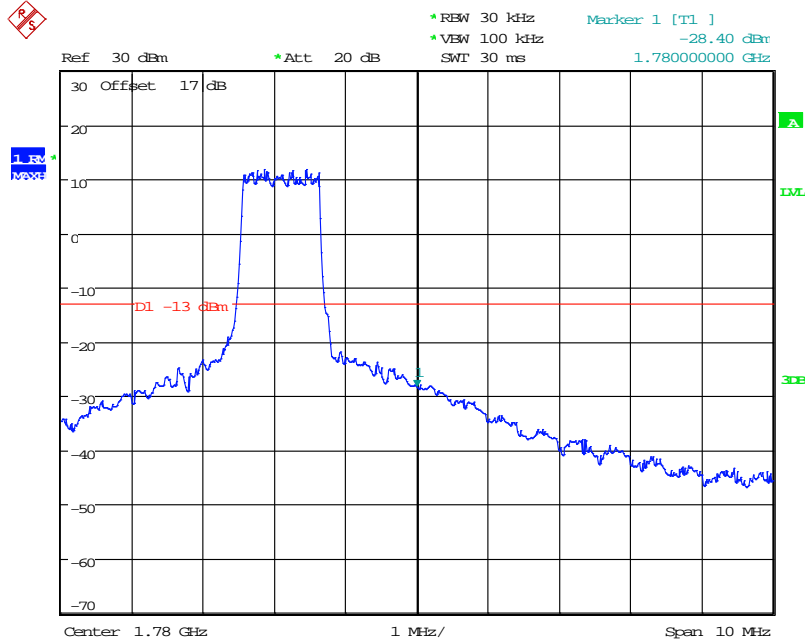


Date: 15.AUG.2024 15:13:37



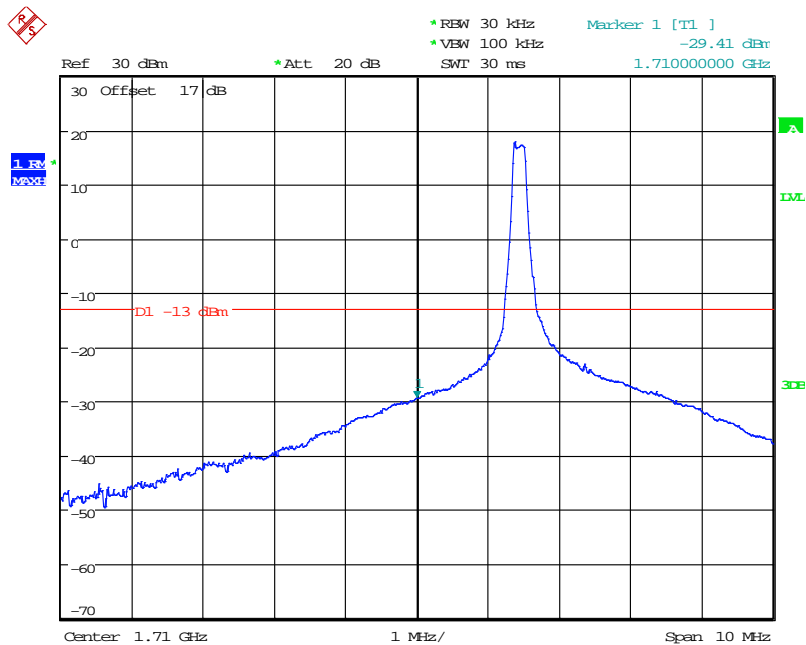
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:03:38

16QAM  
1RB

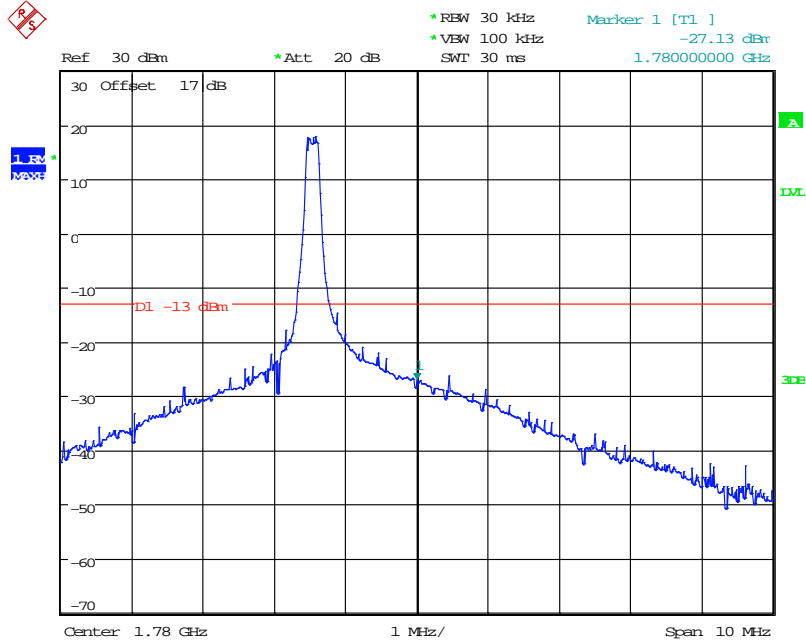


Date: 15.AUG.2024 15:16:58



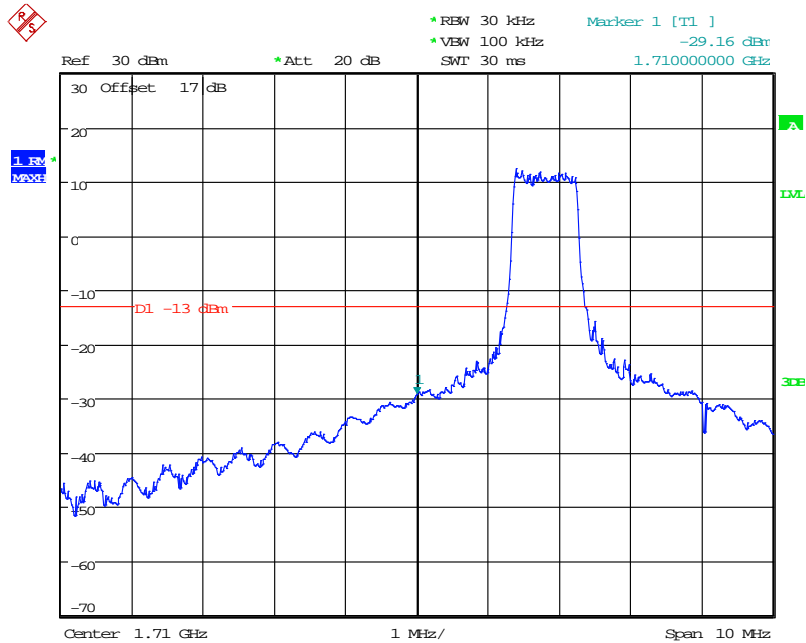
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FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:00:11

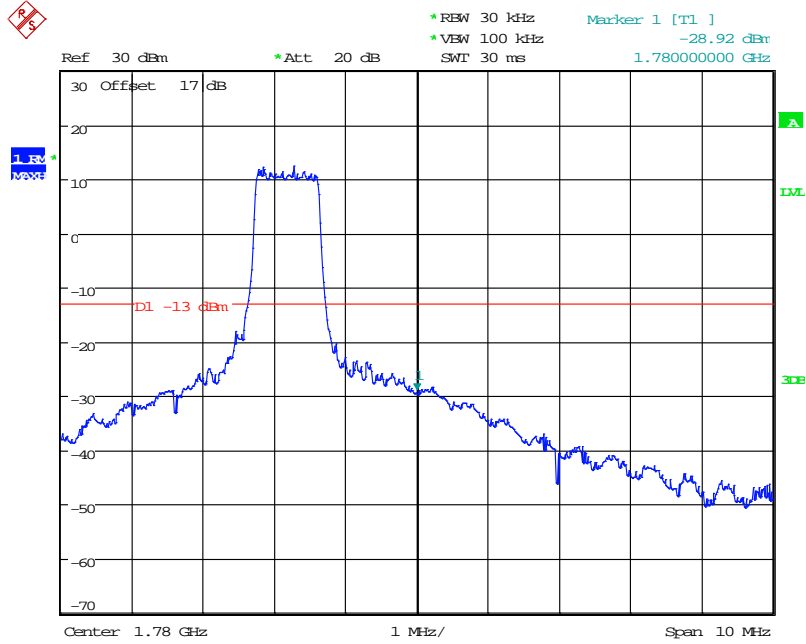
FRB



Date: 15.AUG.2024 15:18:30

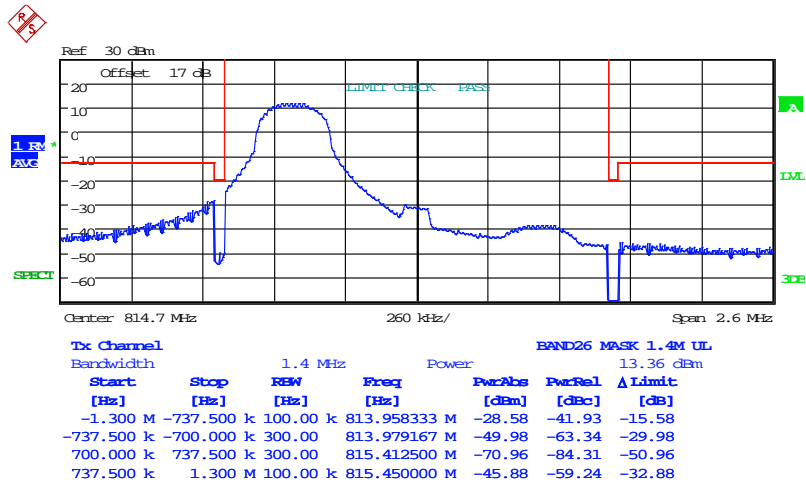


Registration number: W6M22407-23644-C-247  
 FCC ID: GX9HSGWCATM1ZB



Date: 15.AUG.2024 15:01:49

Part 90  
 Band 26  
 1.4 MHz  
 QPSK  
 1RB

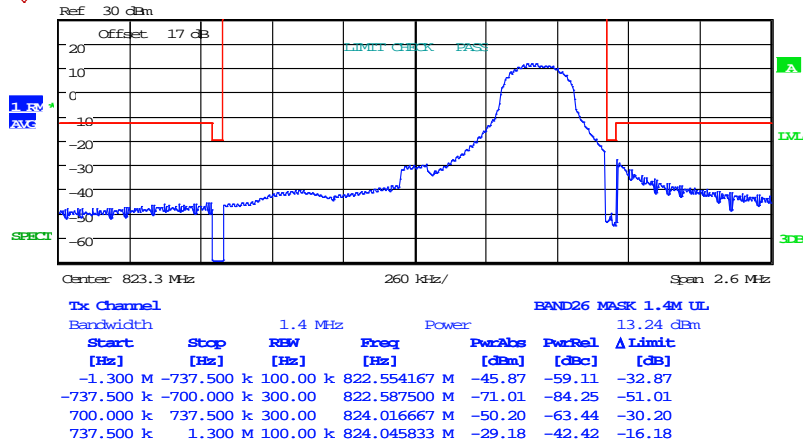


Date: 23.OCT.2024 08:03:09



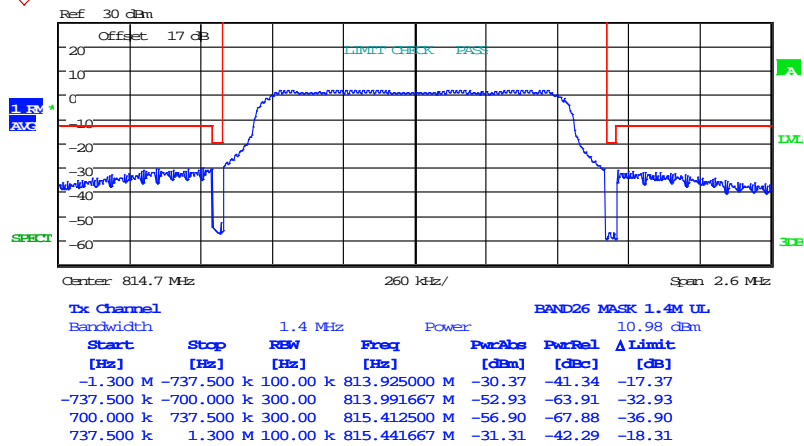
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 08:06:04

FRB

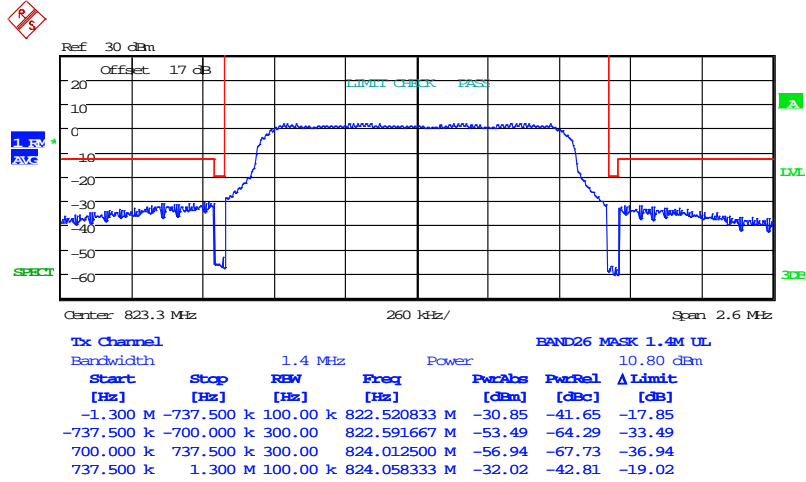


Date: 23.OCT.2024 08:02:15



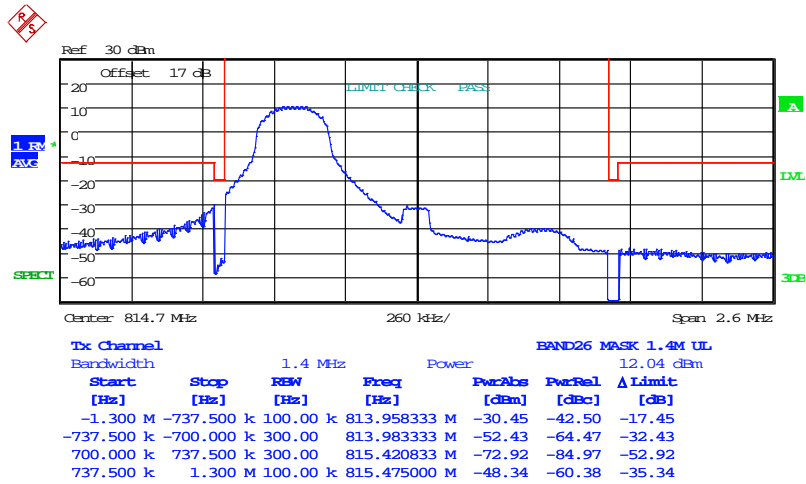
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FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 08:07:02

16QAM  
1RB



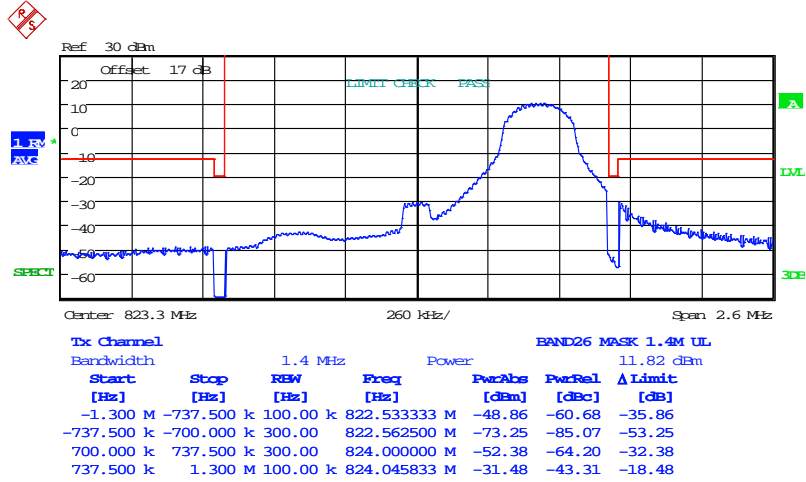
Date: 23.OCT.2024 08:00:11



# Worldwide Testing Services(Taiwan) Co., Ltd.

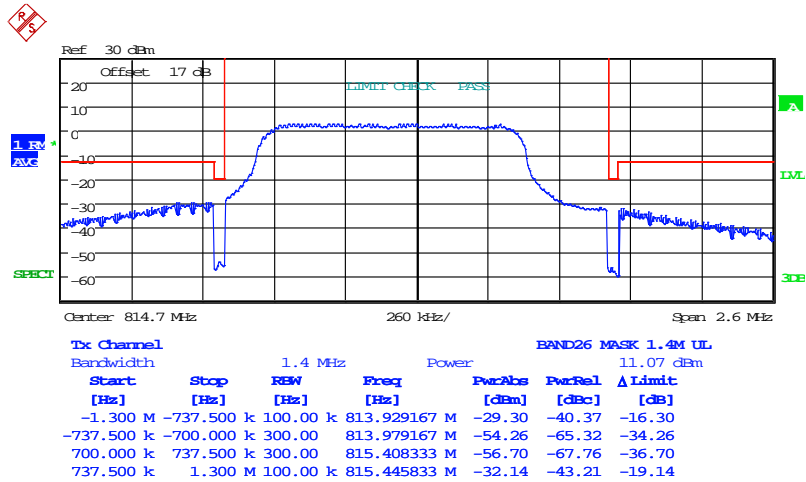
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FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 08:08:24

FRB

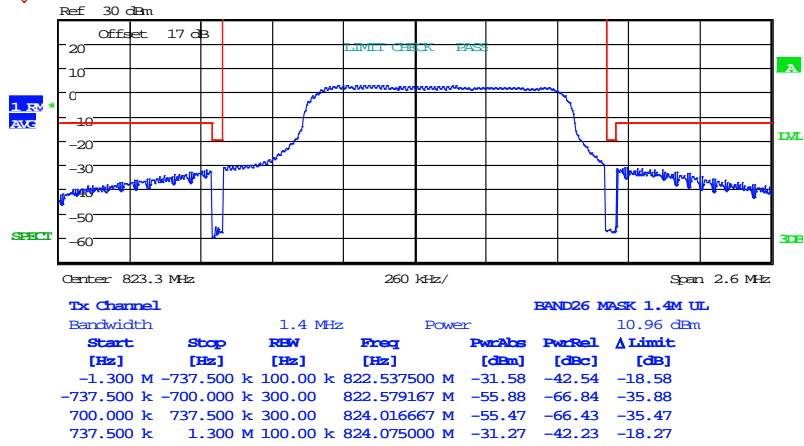


Date: 23.OCT.2024 08:01:14



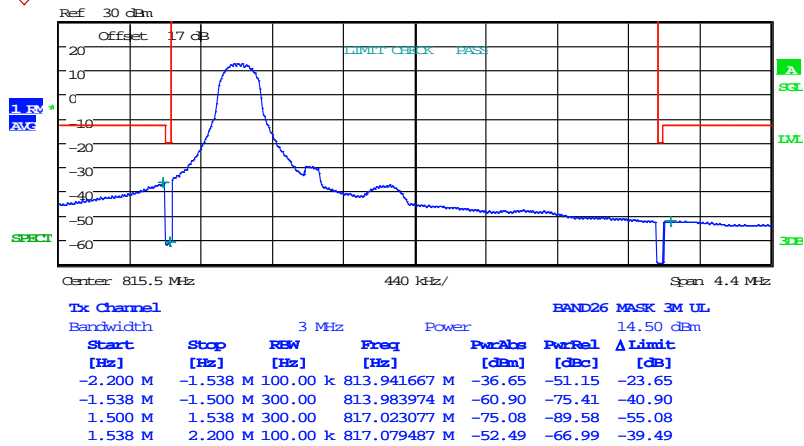
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 08:09:33

3 MHz  
QPSK  
1RB

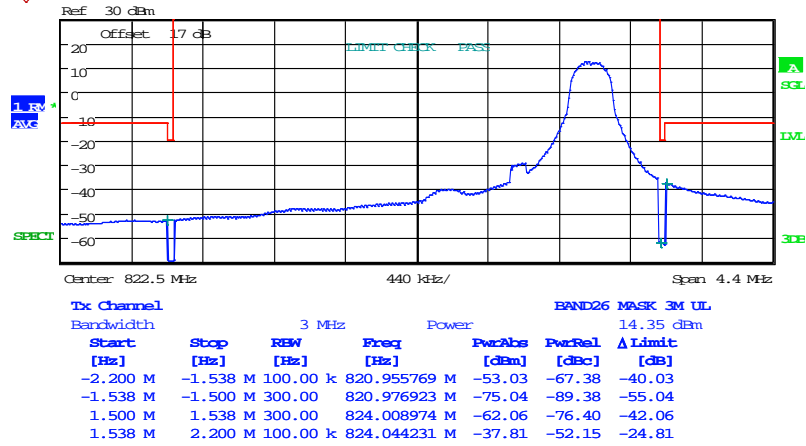


Date: 23.OCT.2024 08:58:24



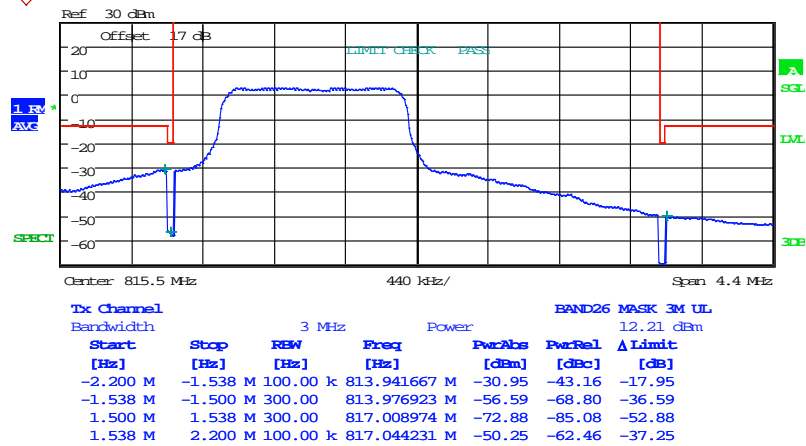


Registration number: W6M22407-23644-C-247  
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Date: 23.OCT.2024 09:01:32

FRB

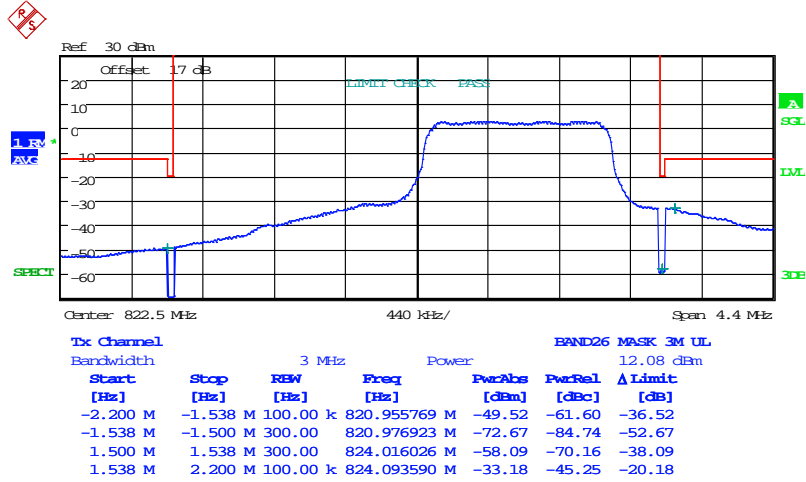


Date: 23.OCT.2024 08:59:15



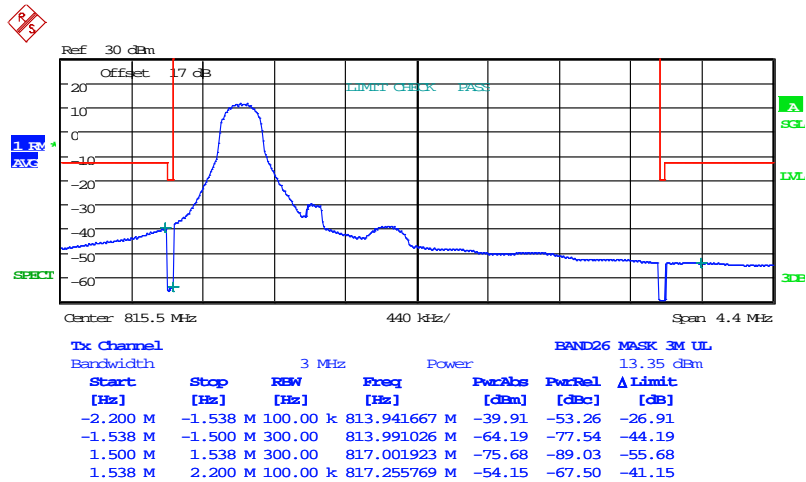
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 09:00:32

16QAM  
1RB

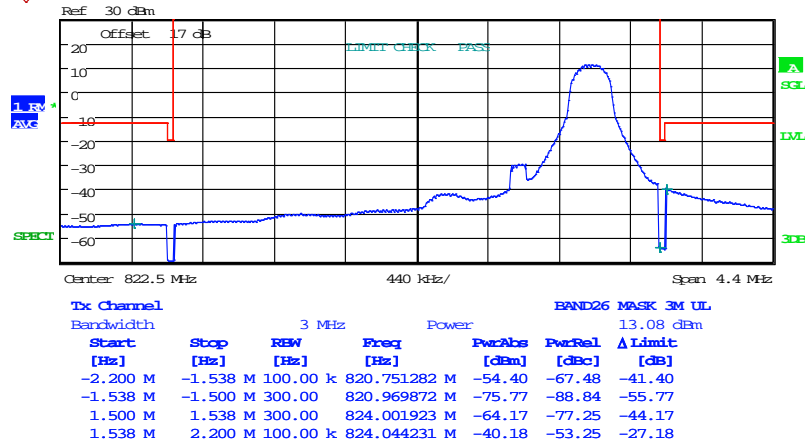


Date: 23.OCT.2024 08:57:25



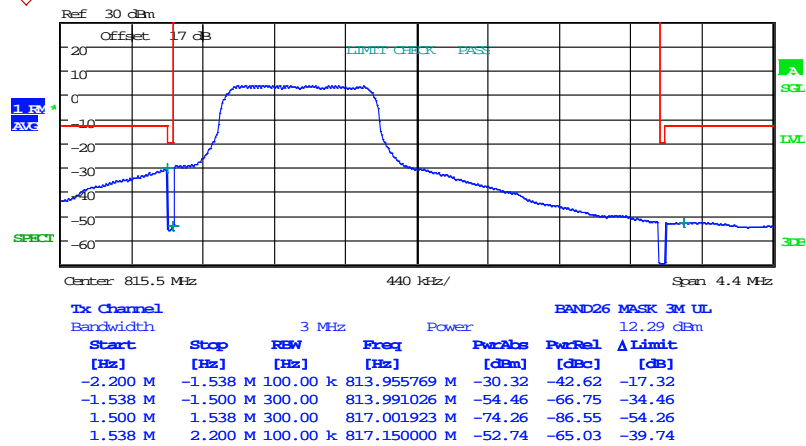
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FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 09:02:45

FRB

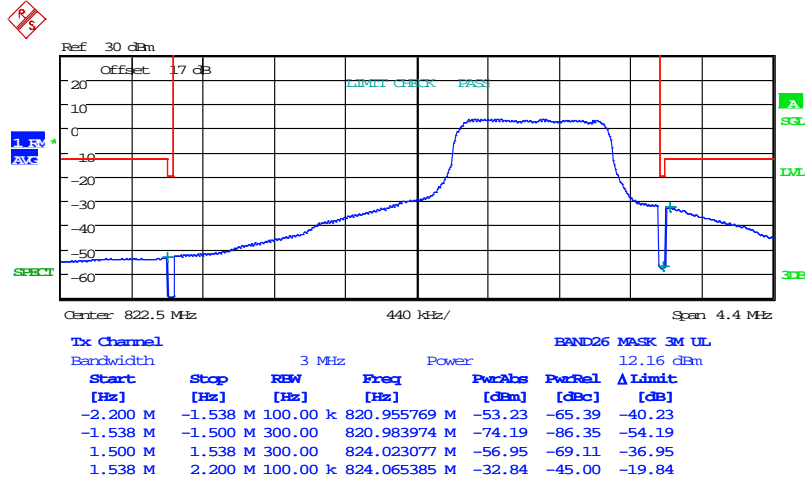


Date: 23.OCT.2024 08:56:30



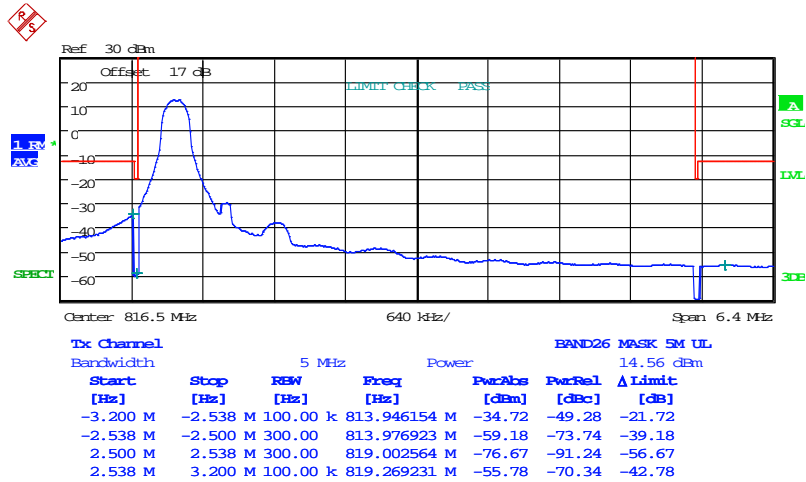
Registration number: W6M22407-23644-C-247

FCC ID: GX9HSGWCATM1ZB



Date: 23.OCT.2024 09:04:09

5 MHz  
QPSK  
1RB

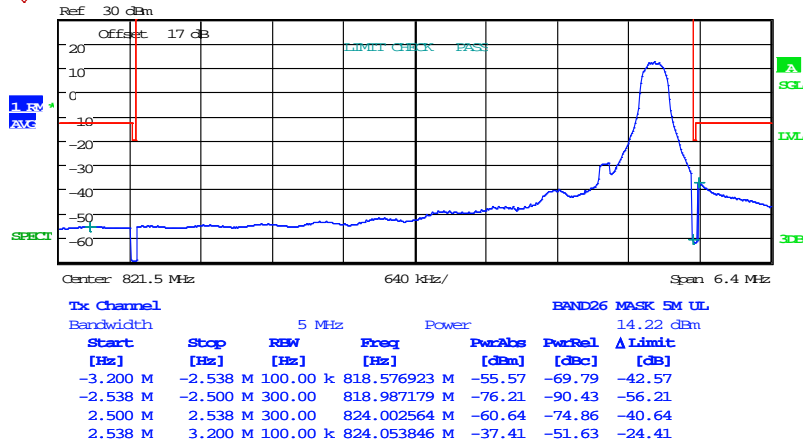


Date: 23.OCT.2024 08:46:40



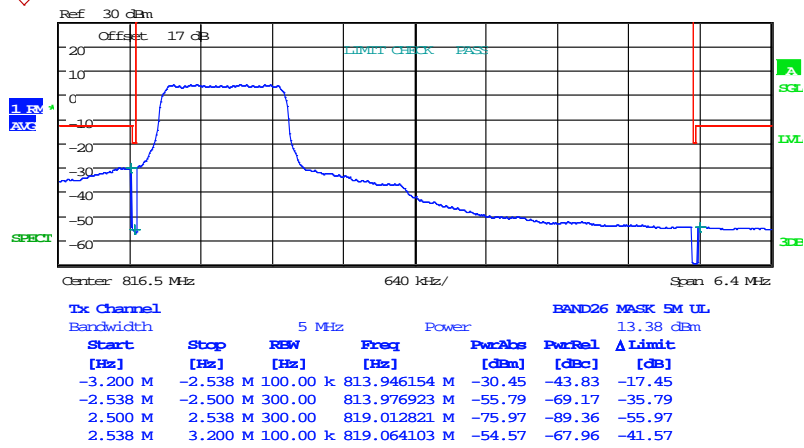
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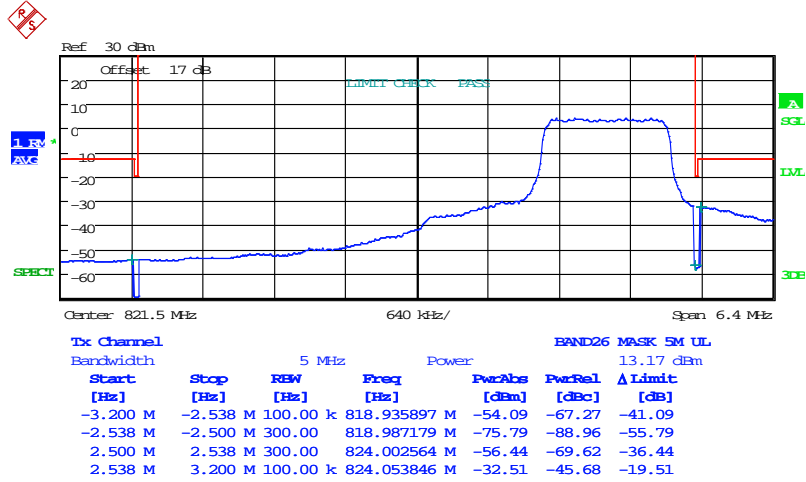
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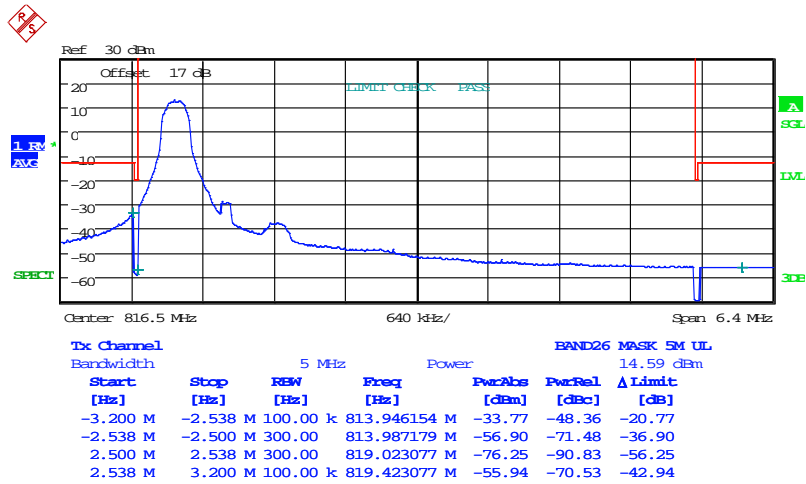


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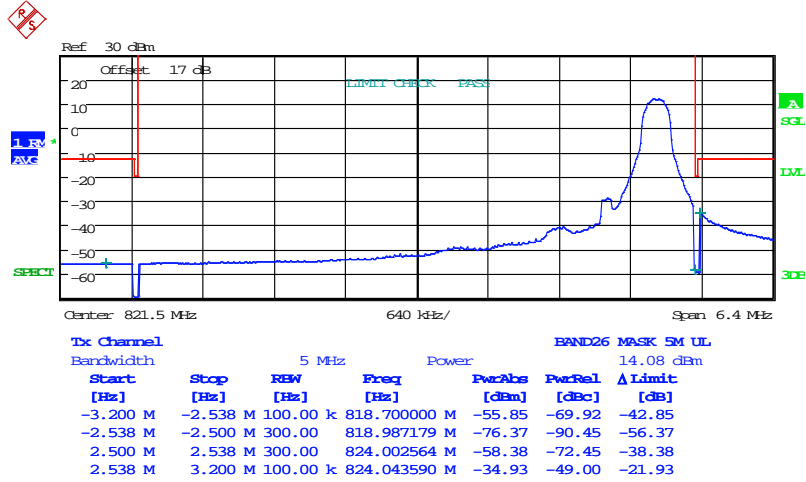
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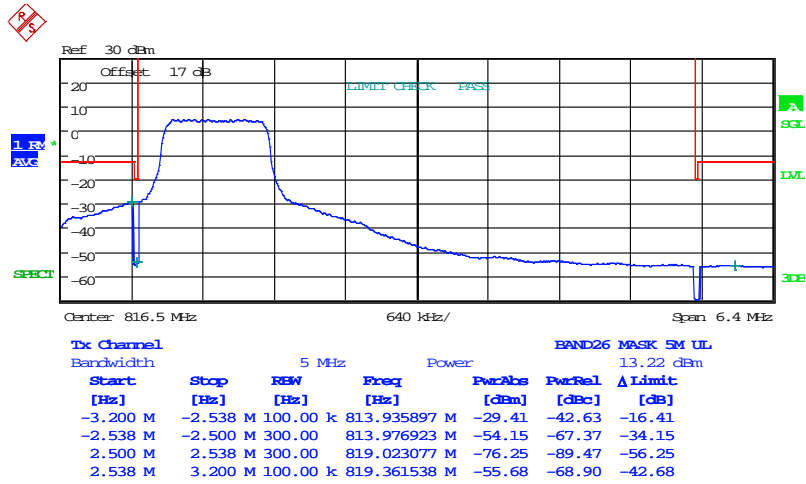


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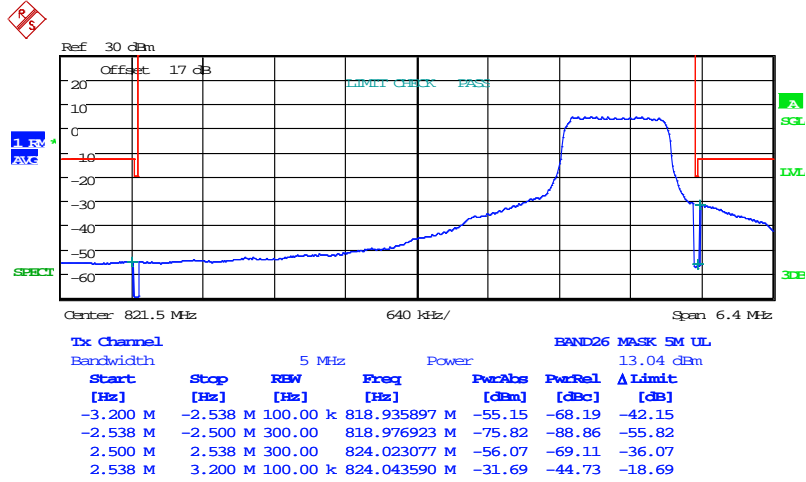


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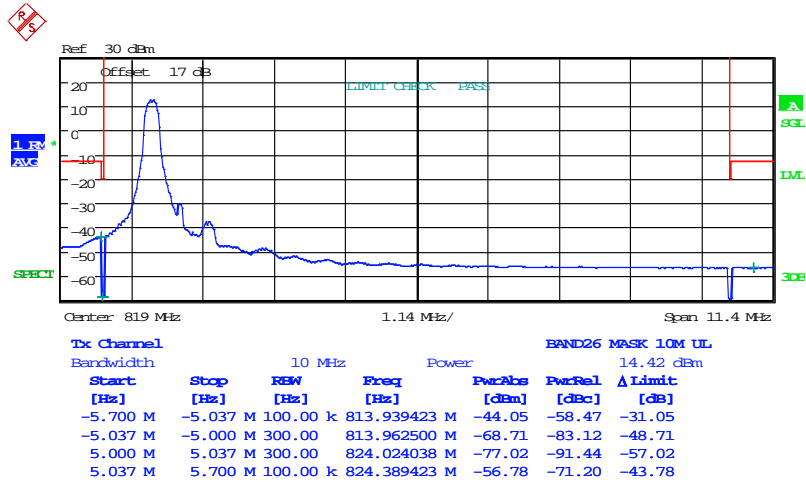
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10 MHz  
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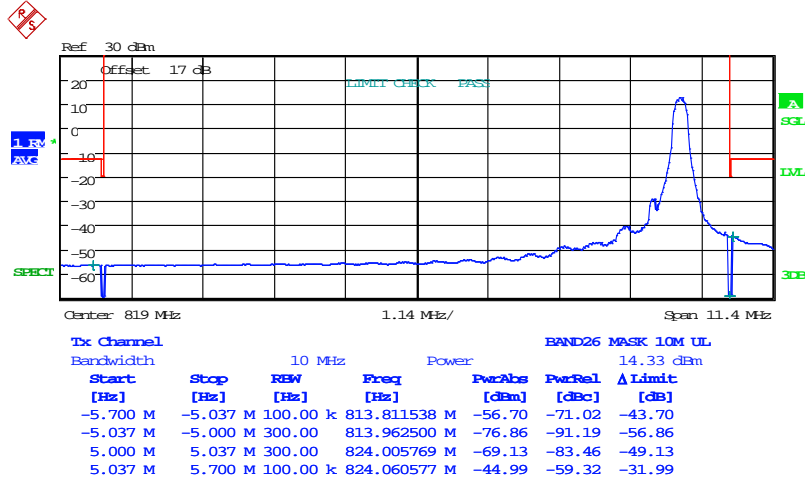
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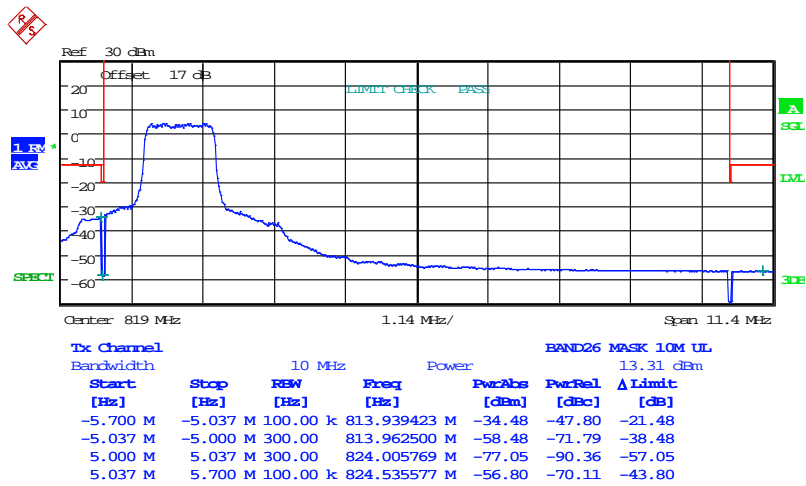
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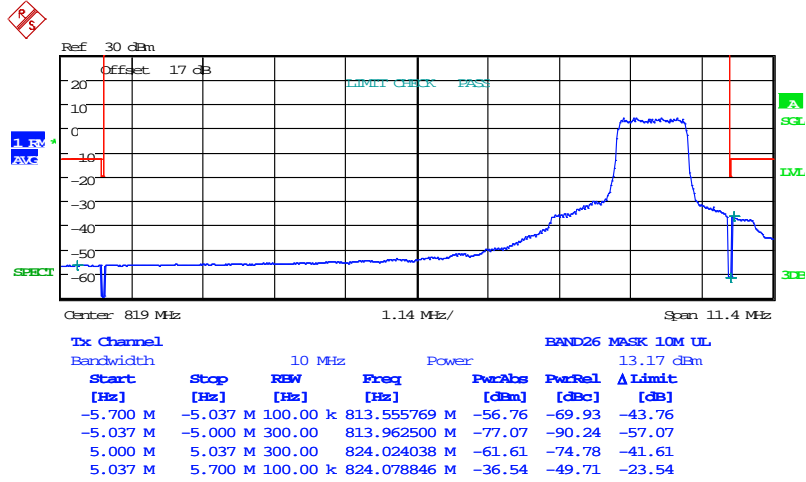


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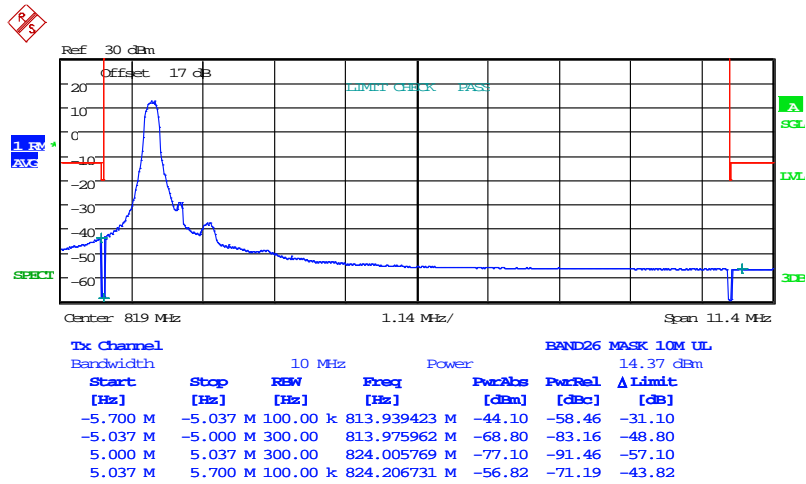
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16QAM  
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Date: 23.OCT.2024 09:12:32