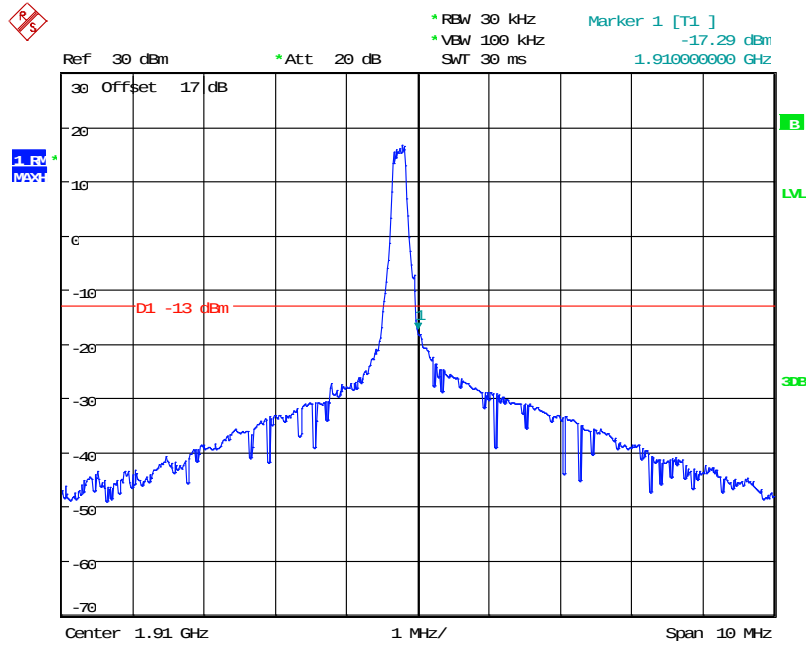


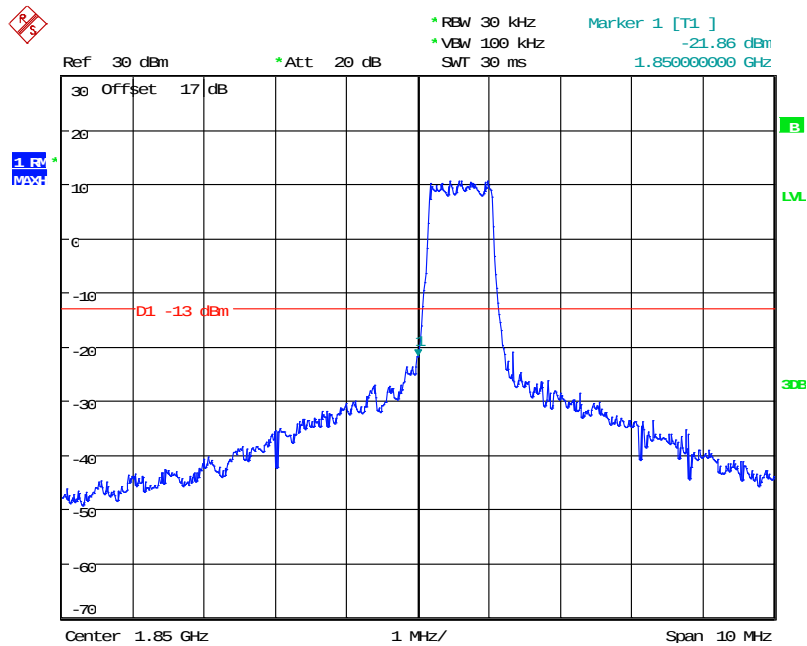
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

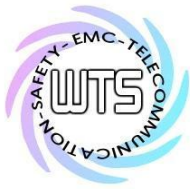


Date: 7.OCT.2024 20:51:34

FRB

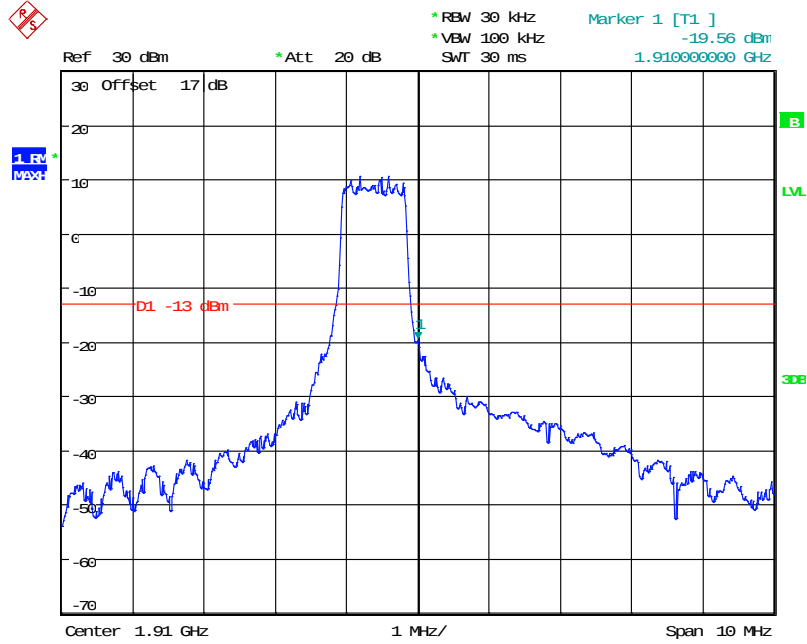


Date: 7.OCT.2024 20:45:49



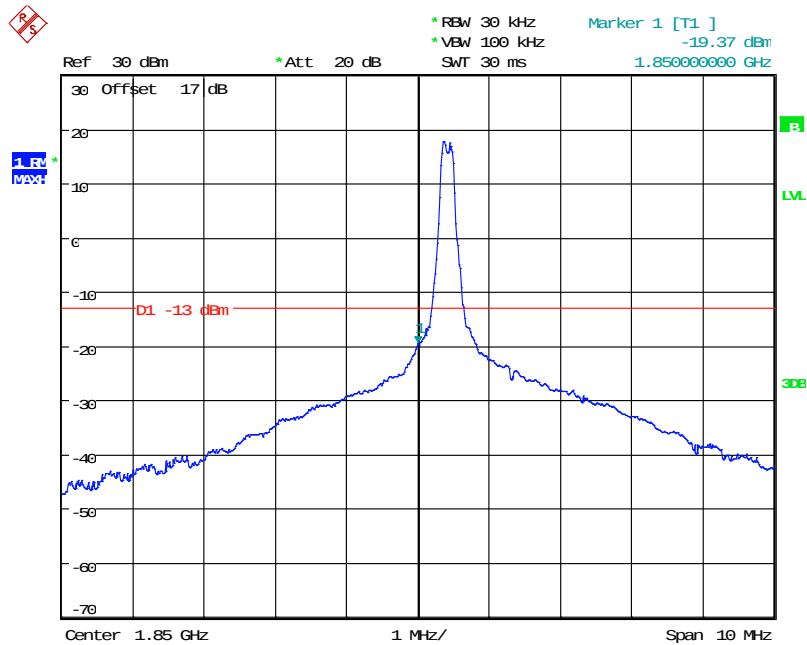
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

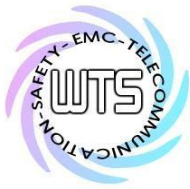


Date: 7.OCT.2024 20:50:08

3 MHz
QPSK
1RB

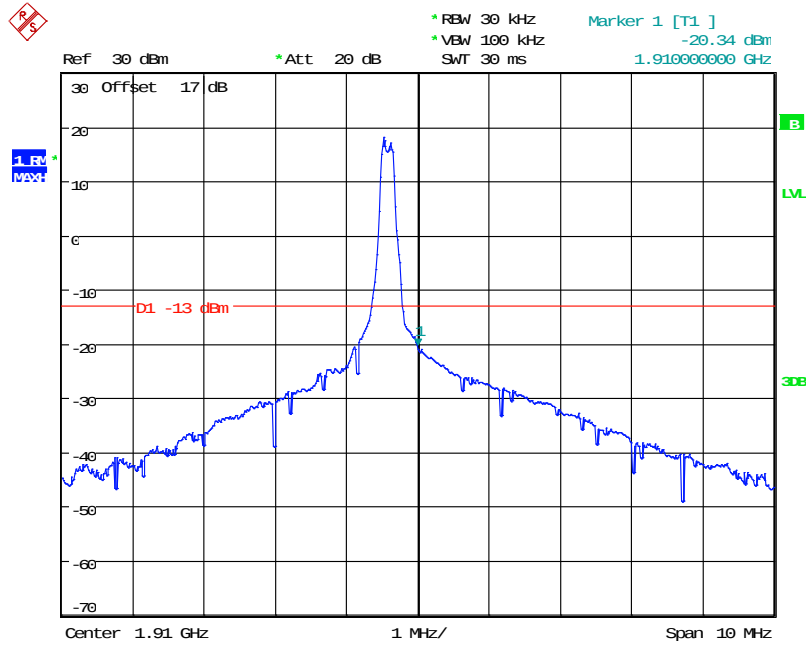


Date: 7.OCT.2024 21:24:13



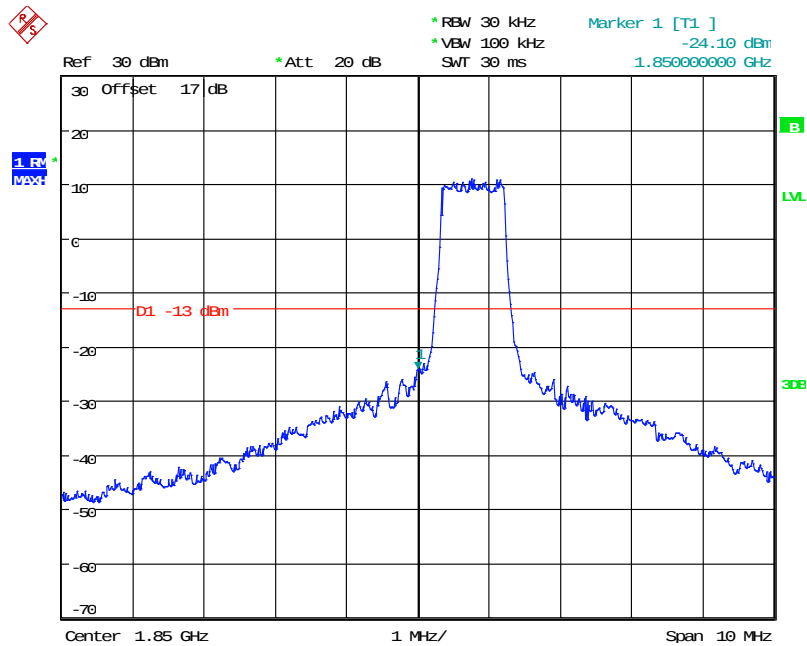
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FCC ID: 2BAJFSN-EB01

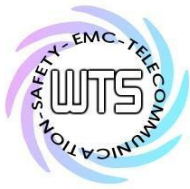


Date: 7.OCT.2024 21:15:55

FRB

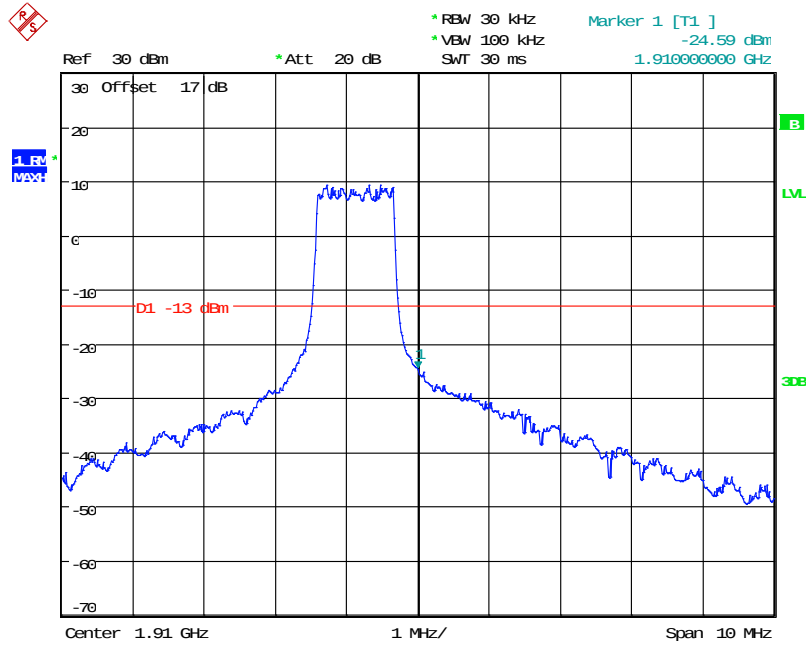


Date: 7.OCT.2024 21:25:15



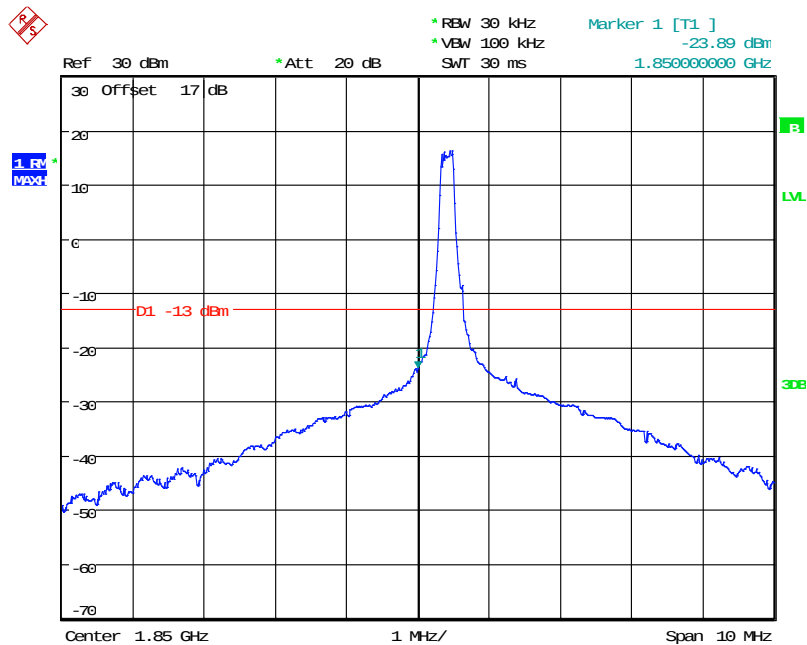
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FCC ID: 2BAJFSN-EB01

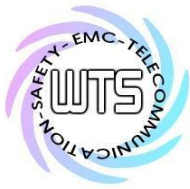


Date: 7.OCT.2024 21:14:28

16QAM
1RB

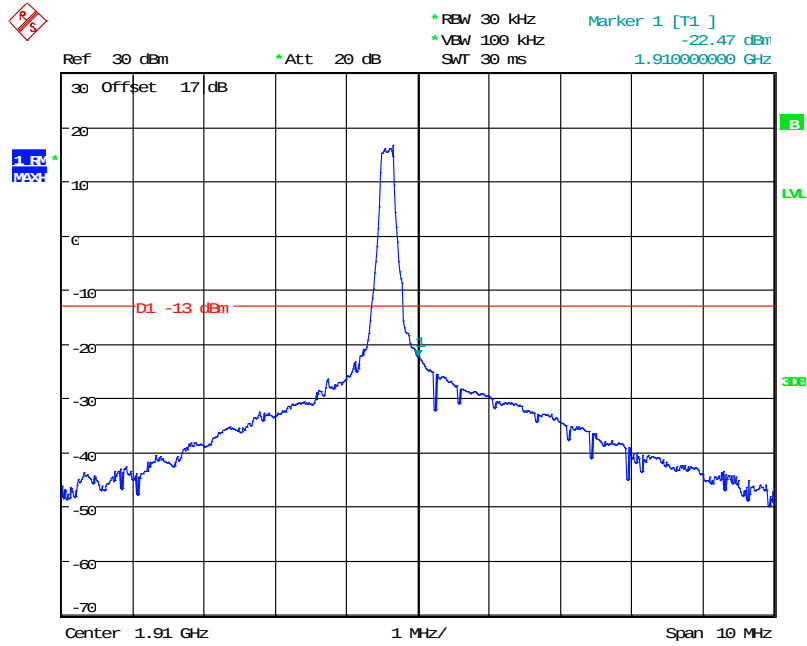


Date: 7.OCT.2024 21:22:16



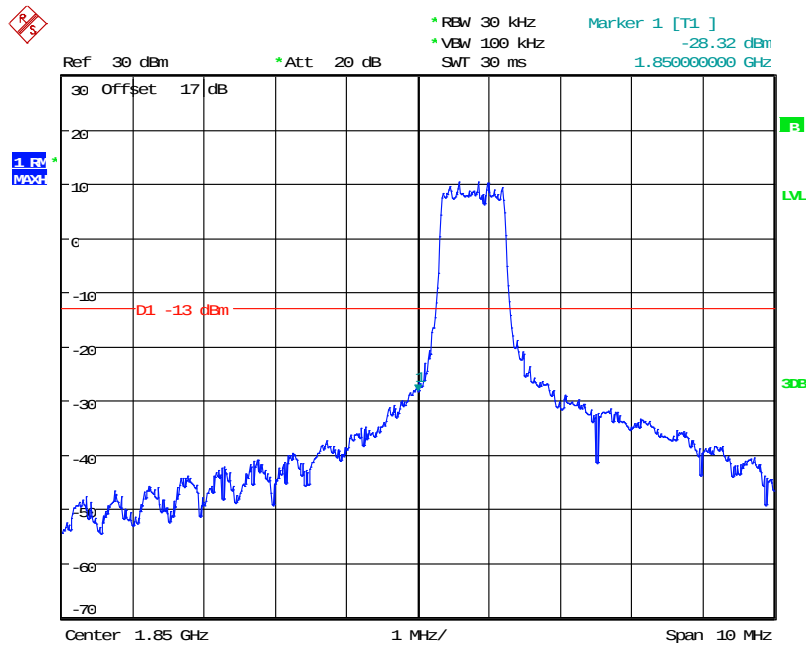
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

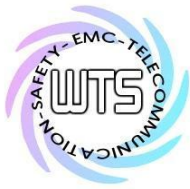


Date: 7.OCT.2024 21:17:25

FRB

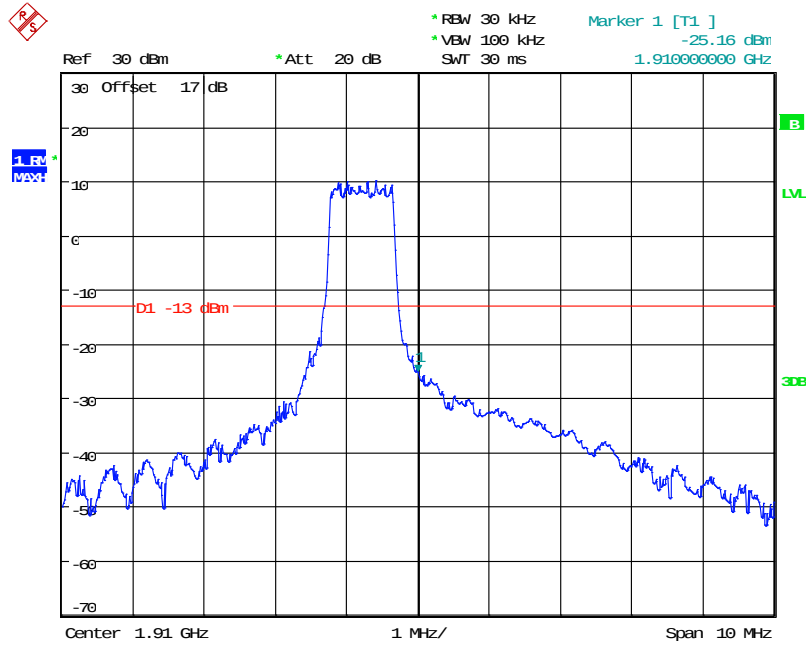


Date: 7.OCT.2024 21:20:56



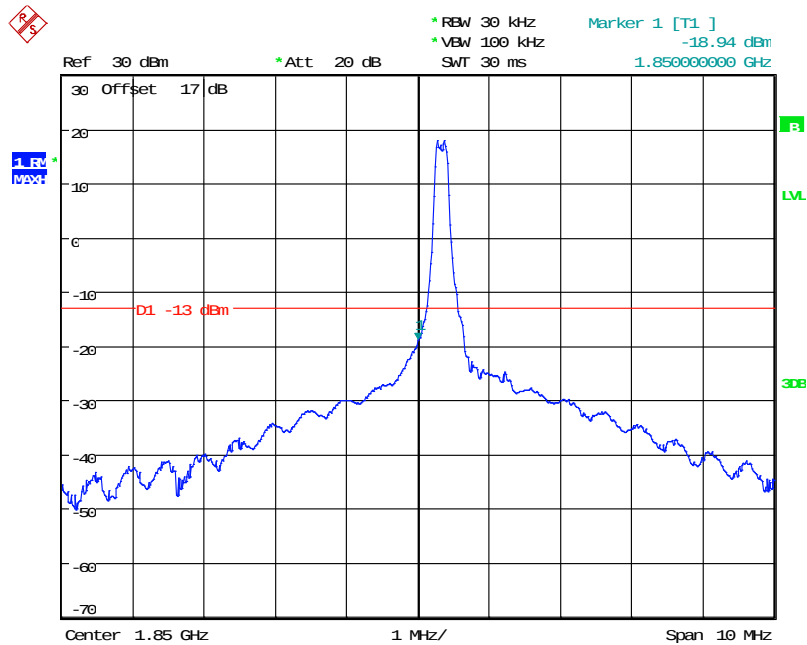
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

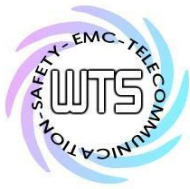


Date: 7.OCT.2024 21:19:08

5 MHz
QPSK
1RB

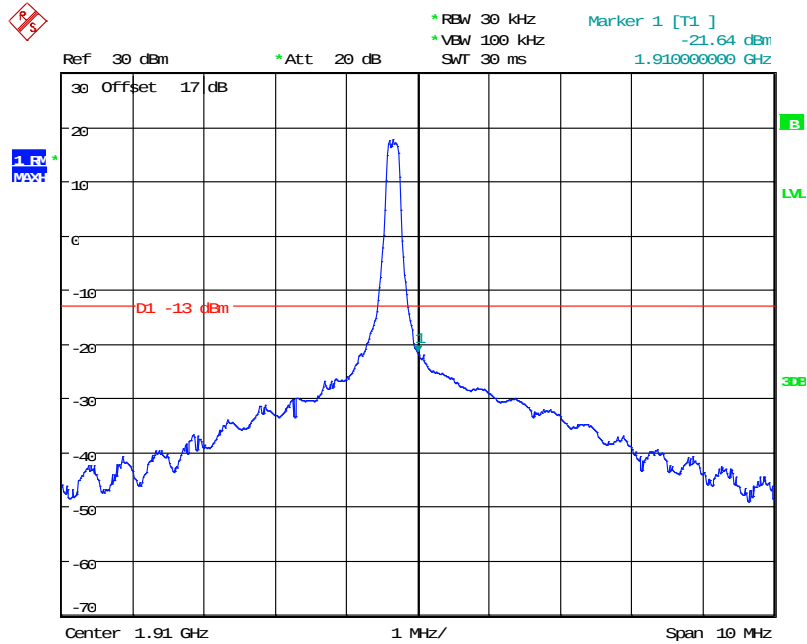


Date: 7.OCT.2024 21:33:49



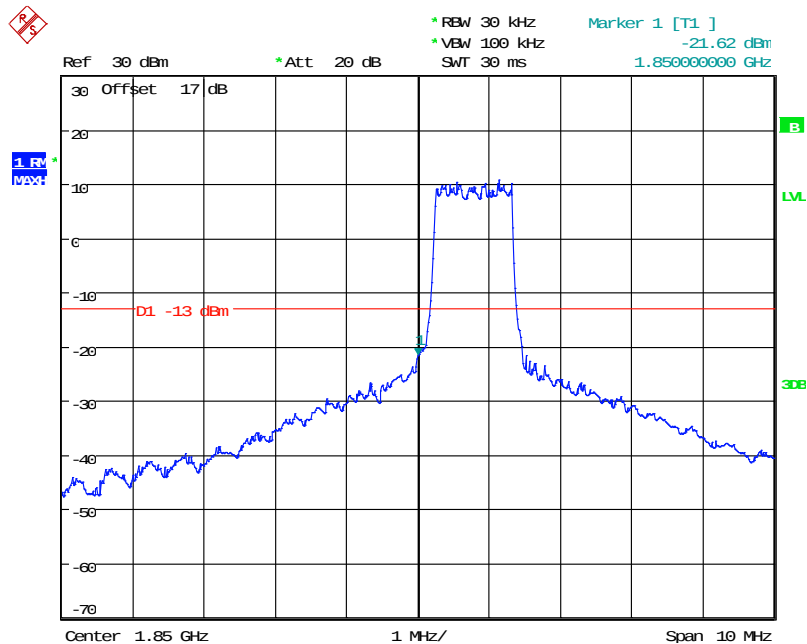
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

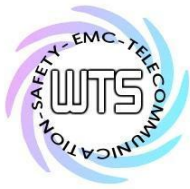


Date: 7.OCT.2024 21:41:48

FRB

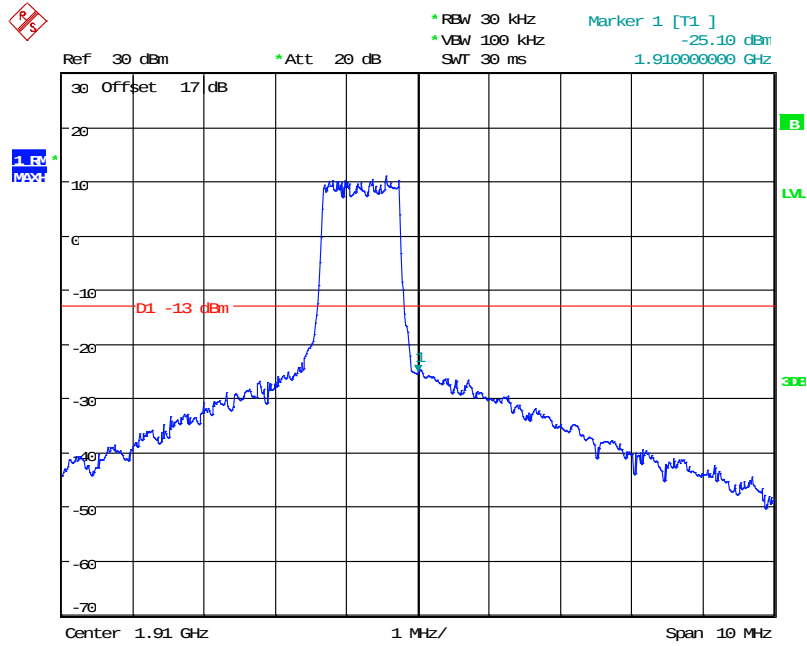


Date: 7.OCT.2024 21:32:36



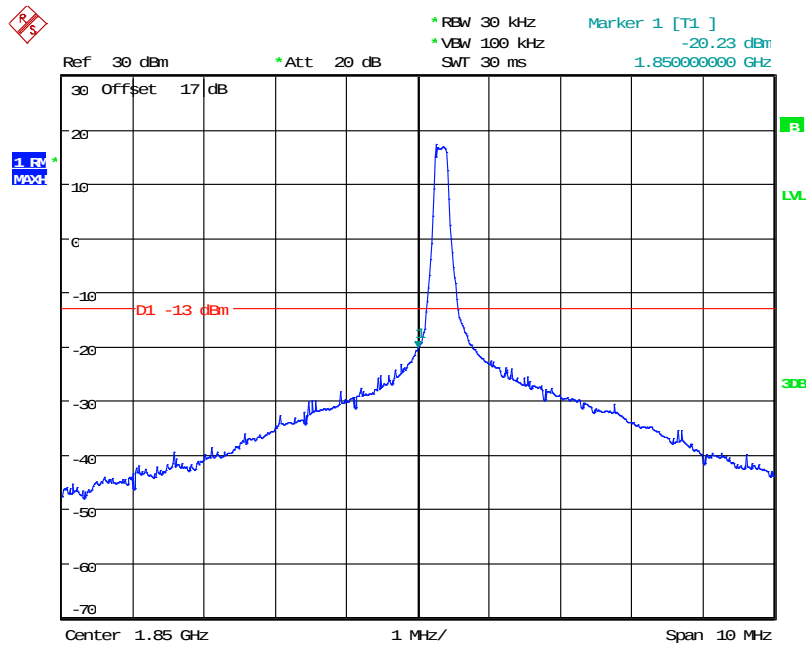
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

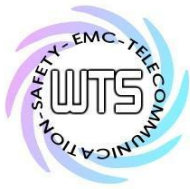


Date: 7.OCT.2024 21:43:24

16QAM
1RB

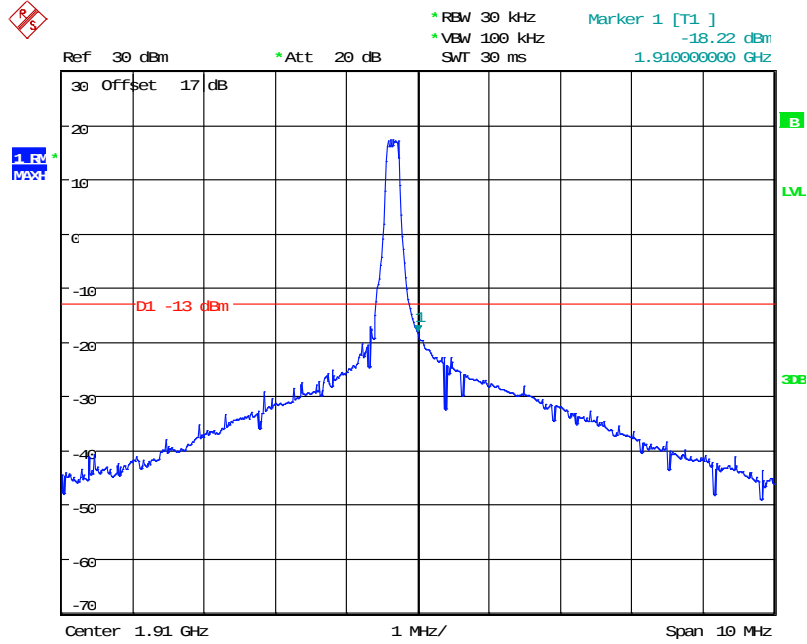


Date: 7.OCT.2024 21:35:10



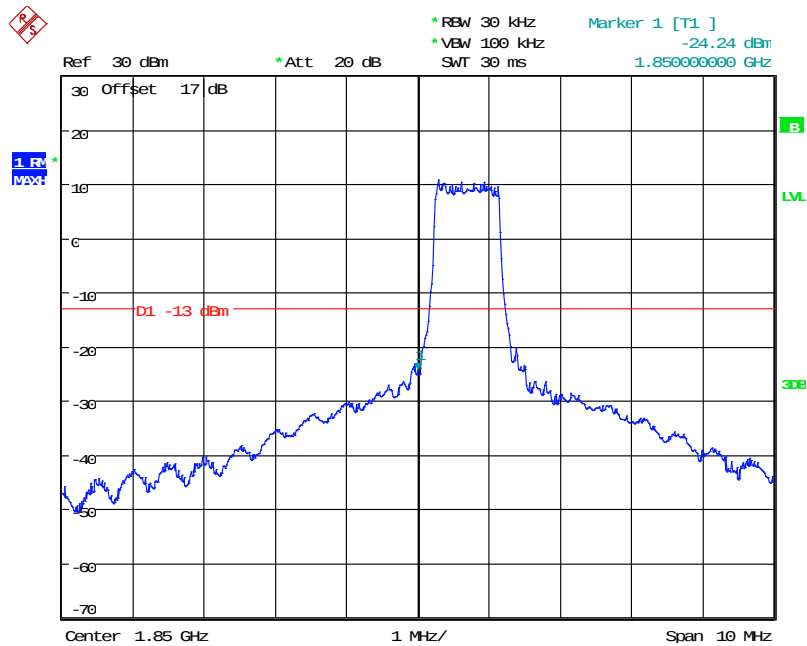
Registration number: W6M22409-23713-C-247

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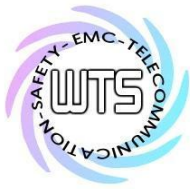


Date: 7.OCT.2024 21:40:03

FRB

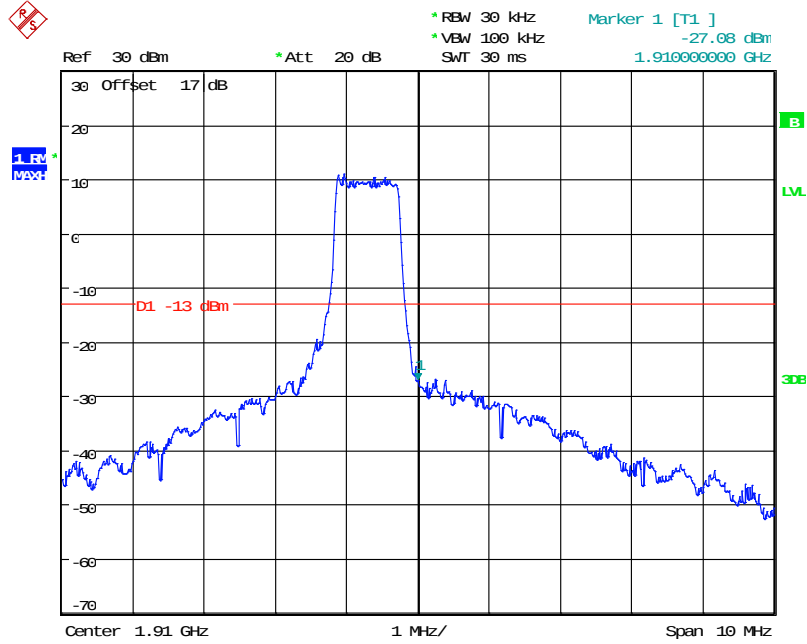


Date: 7.OCT.2024 21:36:34



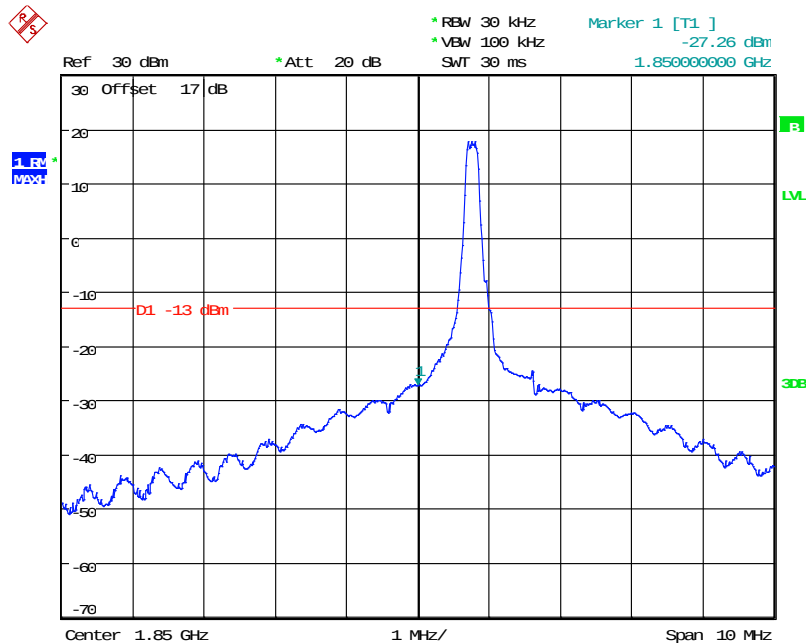
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

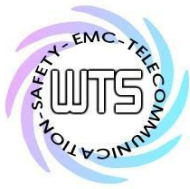


Date: 7.OCT.2024 21:38:29

10 MHz
QPSK
1RB

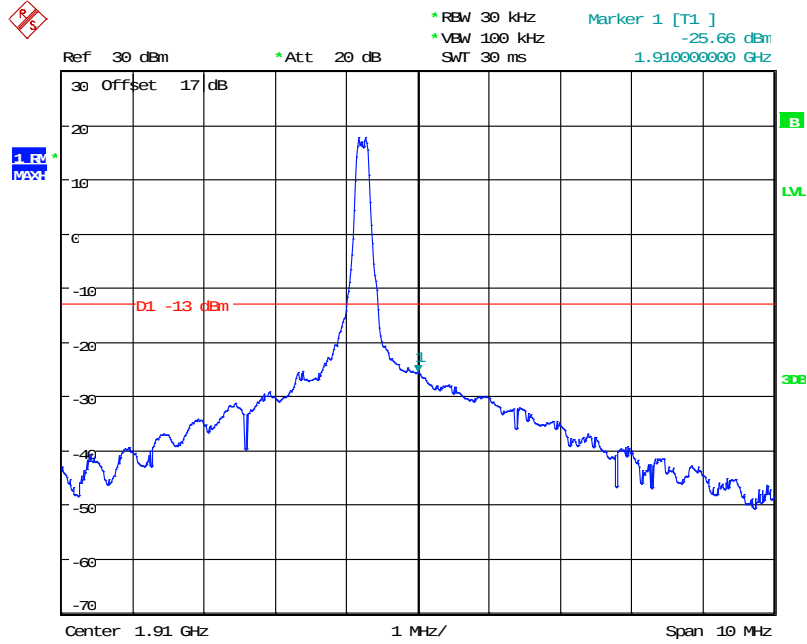


Date: 7.OCT.2024 21:58:30



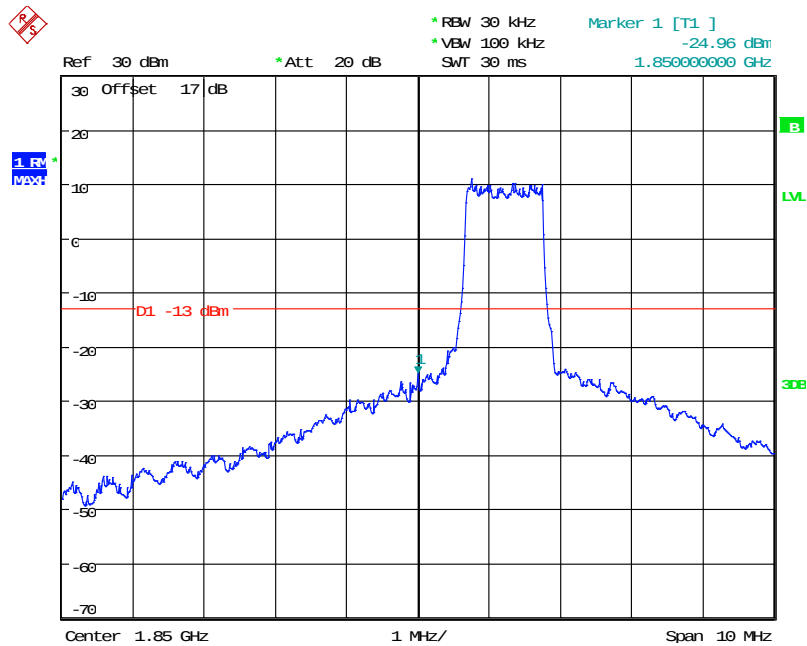
Registration number: W6M22409-23713-C-247

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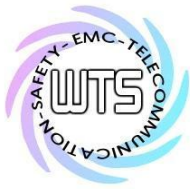


Date: 7.OCT.2024 21:50:51

FRB

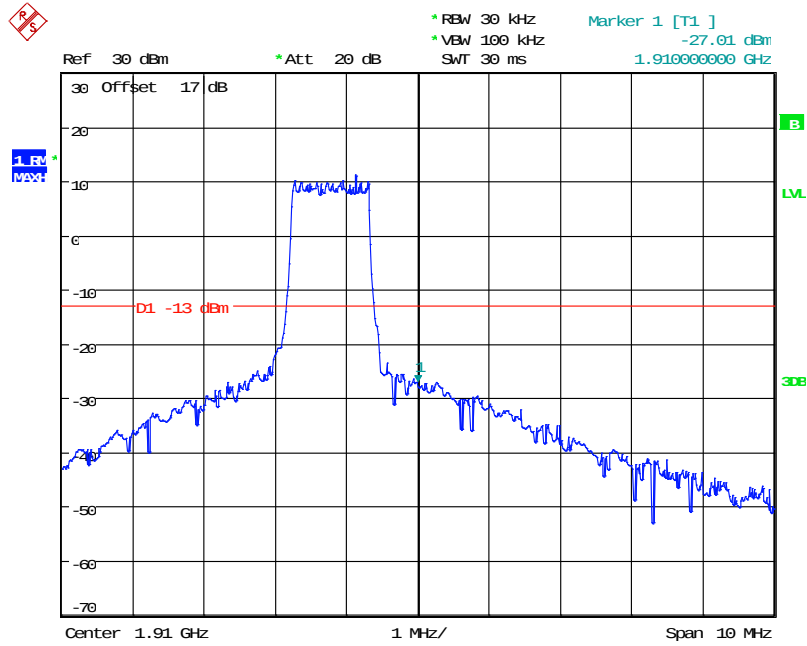


Date: 7.OCT.2024 21:59:57



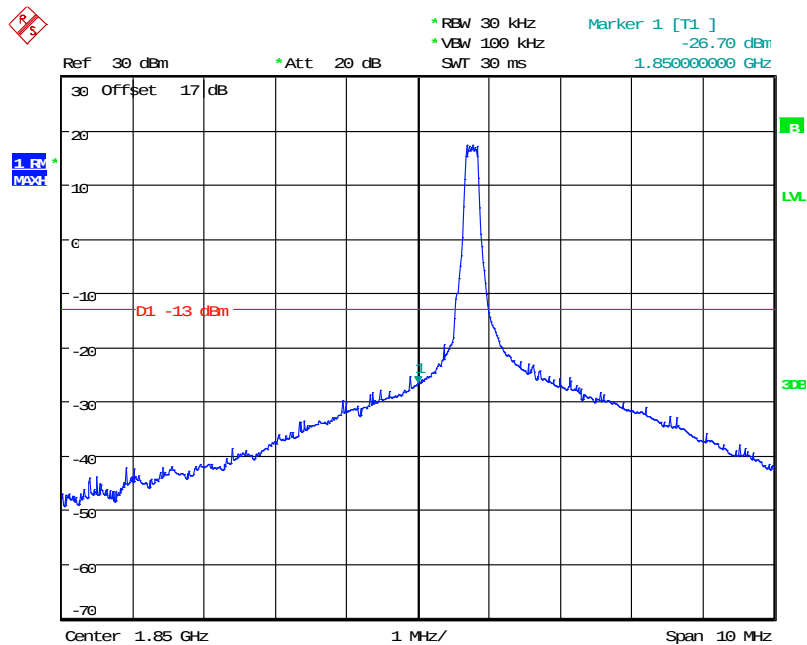
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

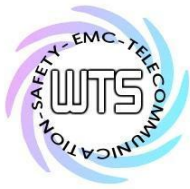


Date: 7.OCT.2024 21:49:11

16QAM
1RB

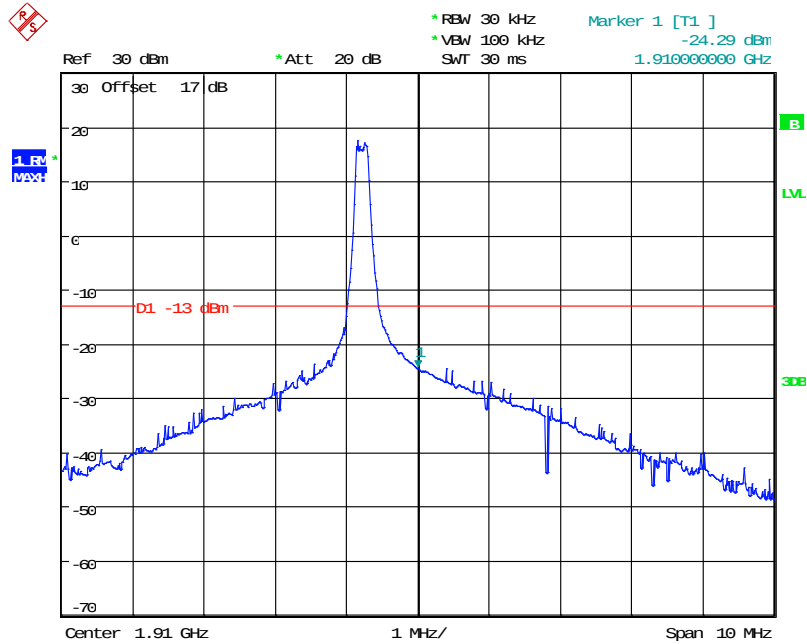


Date: 7.OCT.2024 21:57:09



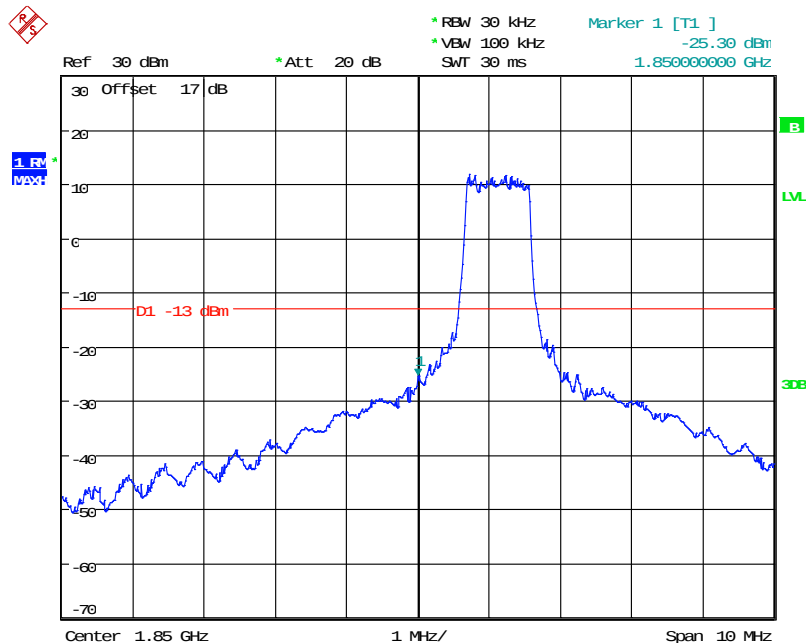
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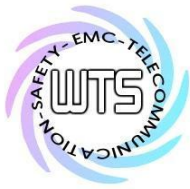


Date: 7.OCT.2024 21:52:29

FRB

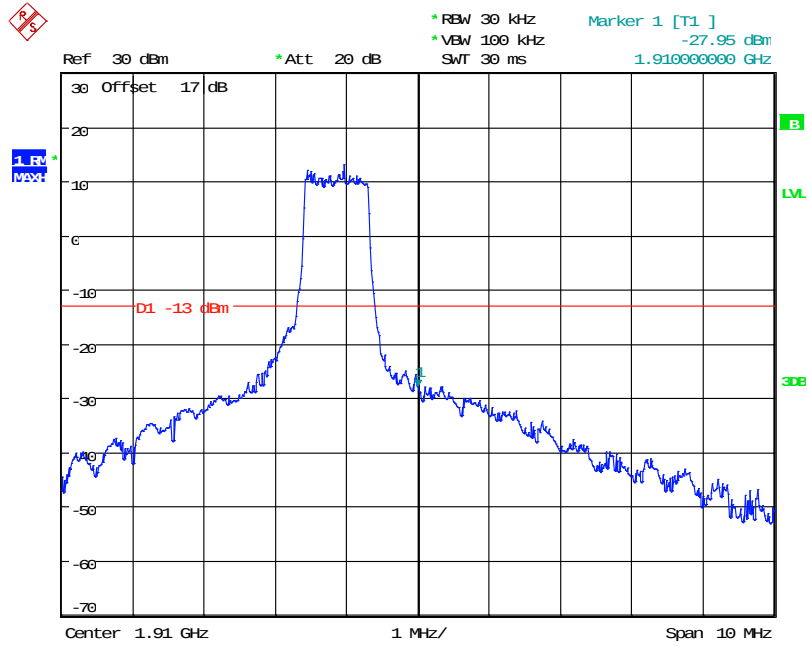


Date: 7.OCT.2024 21:55:40



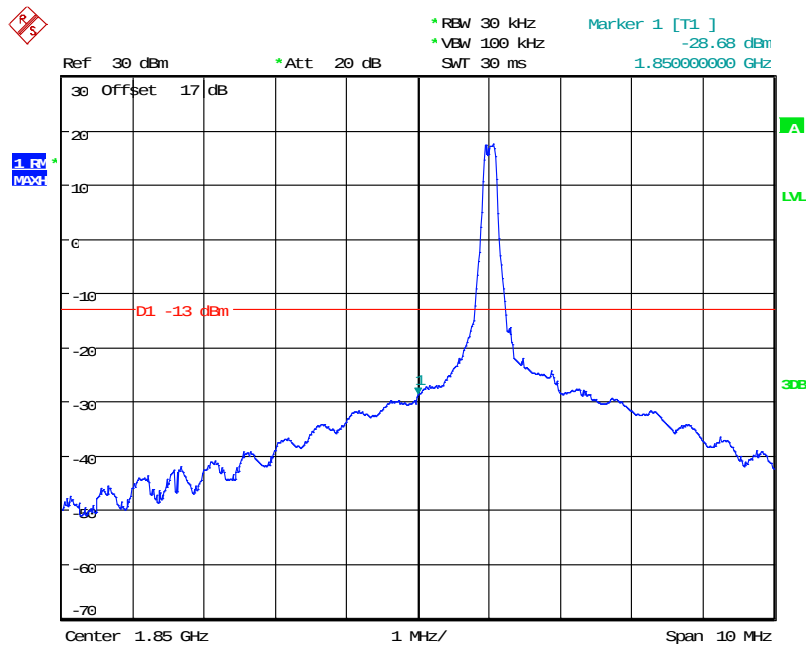
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

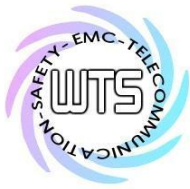


Date: 7.OCT.2024 21:53:56

15 MHz
QPSK
1RB

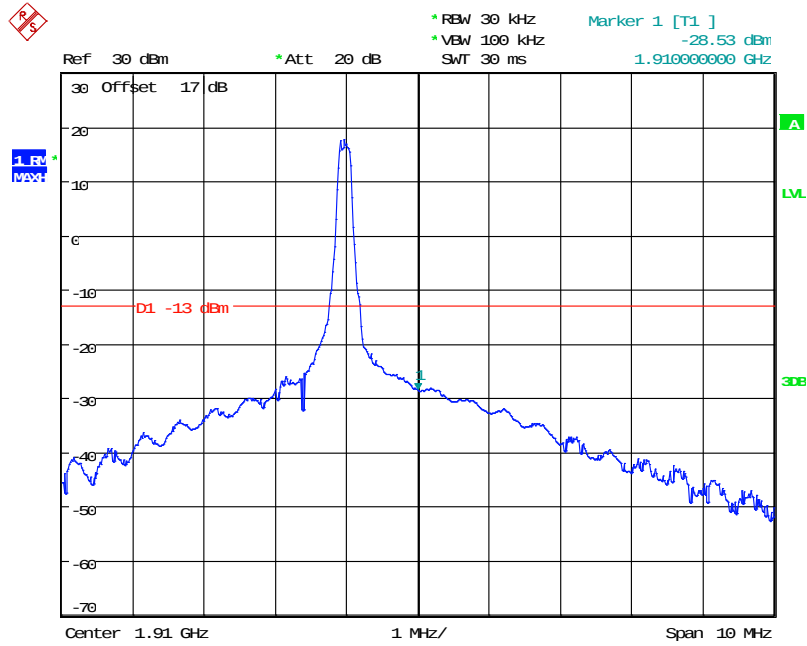


Date: 12.OCT.2024 16:28:31



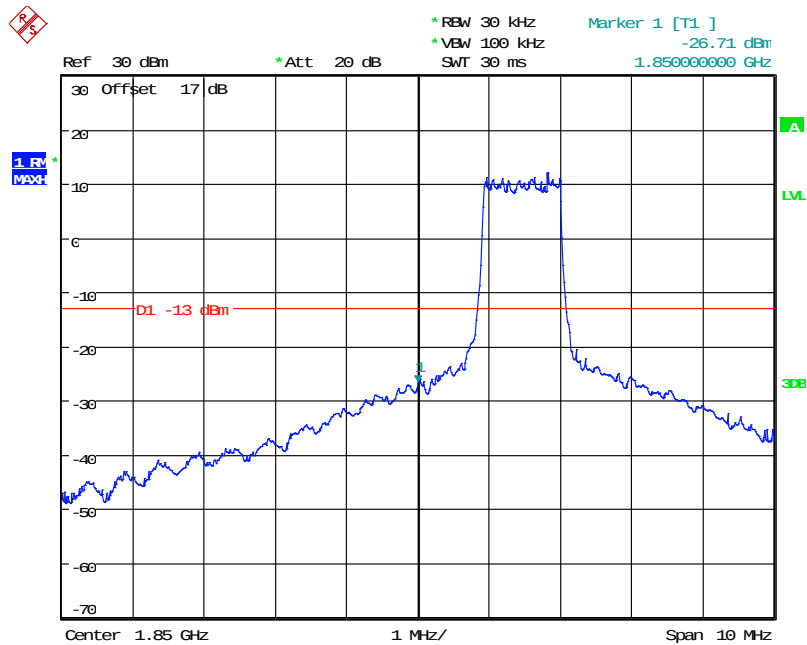
Registration number: W6M22409-23713-C-247

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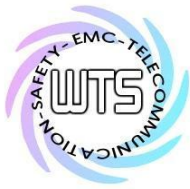


Date: 12.OCT.2024 16:37:33

FRB

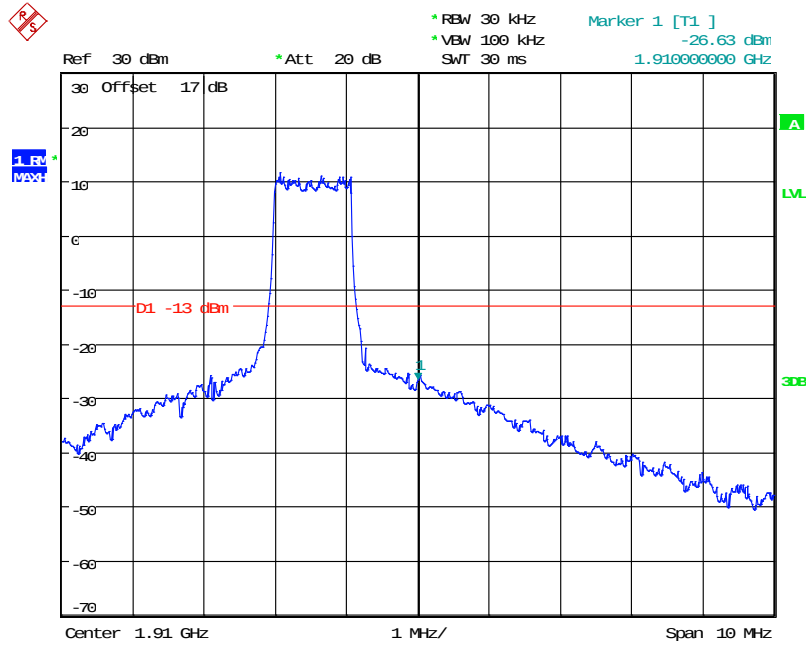


Date: 12.OCT.2024 16:27:17



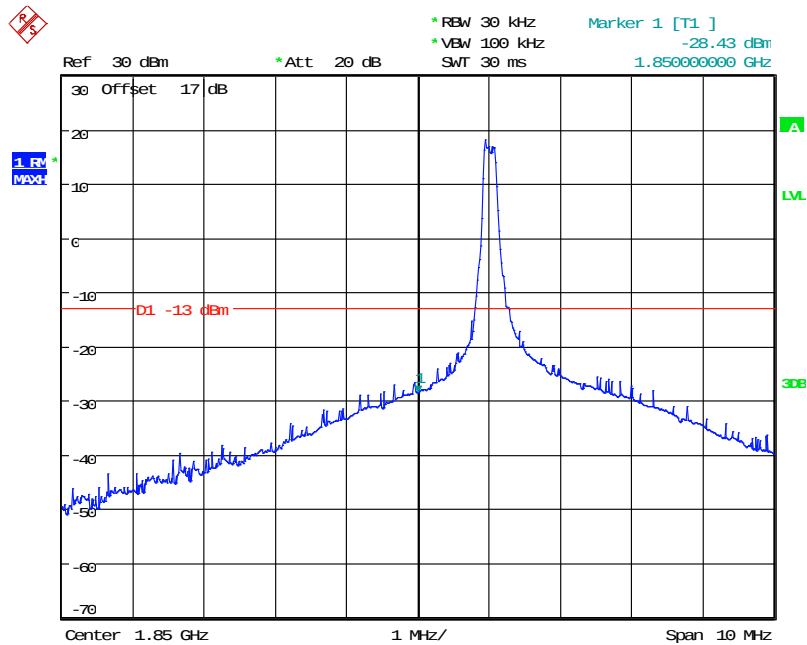
Registration number: W6M22409-23713-C-247

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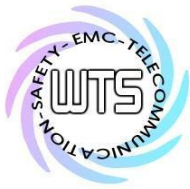


Date: 12.OCT.2024 16:39:11

16QAM
1RB

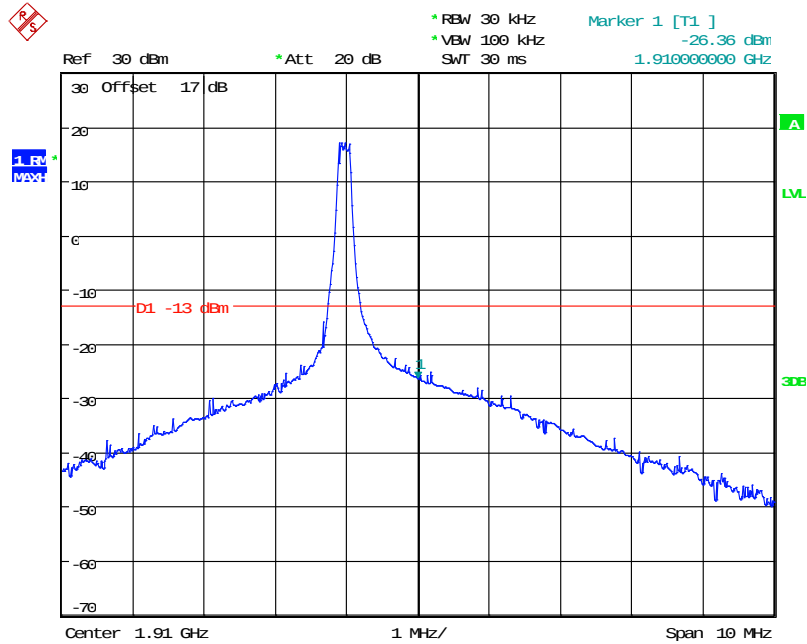


Date: 12.OCT.2024 16:29:54



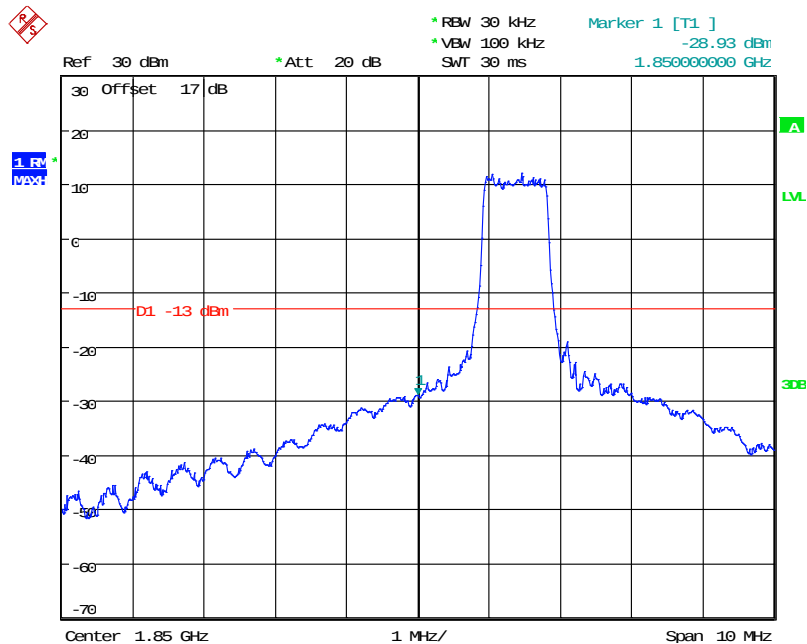
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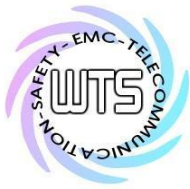


Date: 12.OCT.2024 16:36:03

FRB

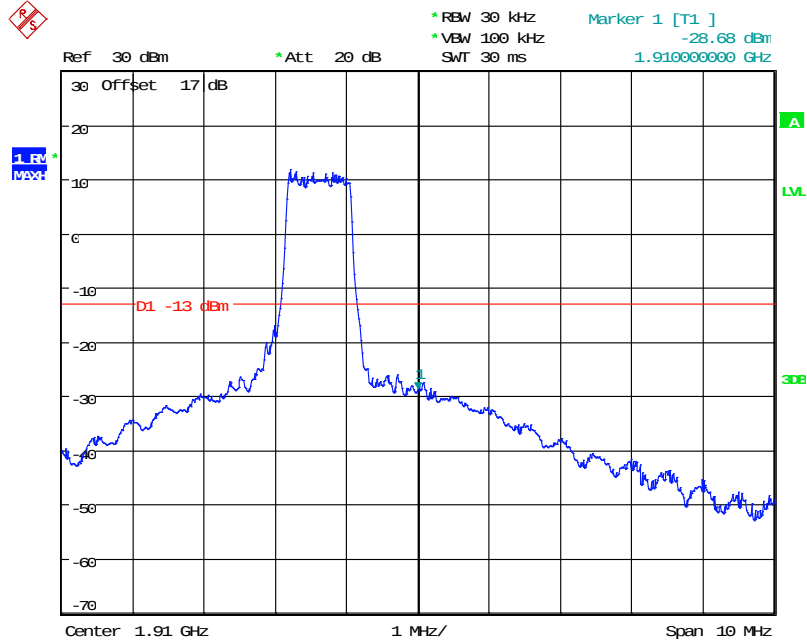


Date: 12.OCT.2024 16:31:14



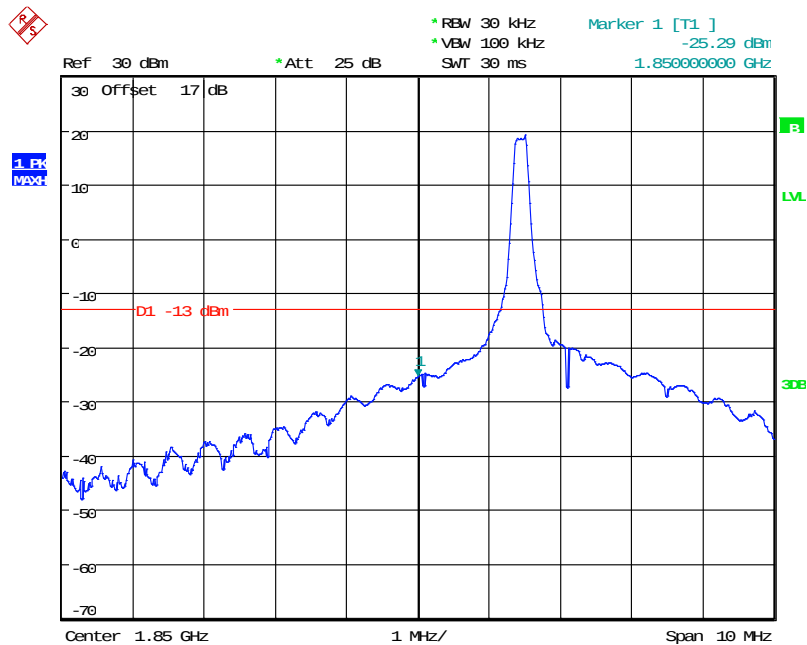
Registration number: W6M22409-23713-C-247

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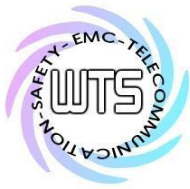


Date: 12.OCT.2024 16:34:08

20 MHz
QPSK
1RB

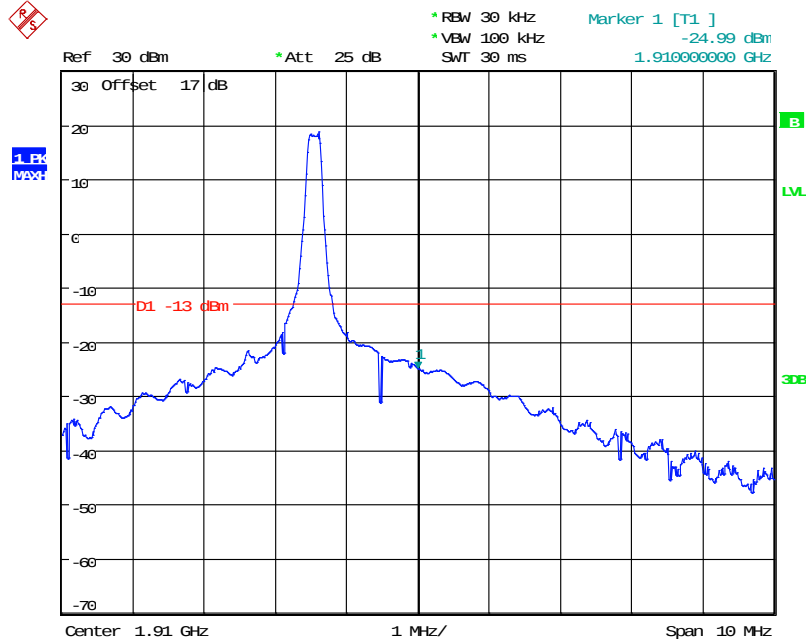


Date: 7.OCT.2024 15:14:24



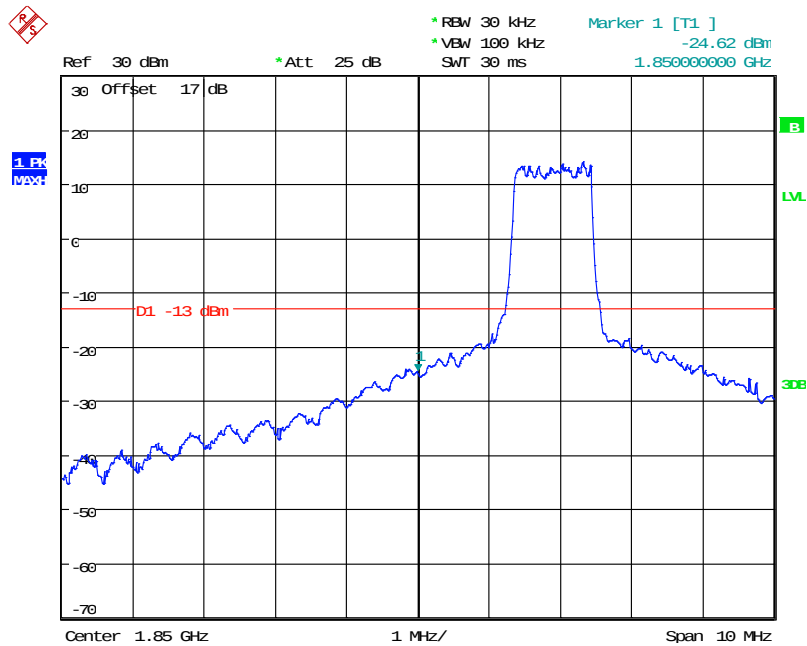
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

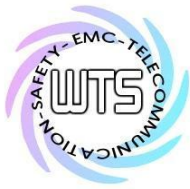


Date: 7.OCT.2024 15:10:04

FRB

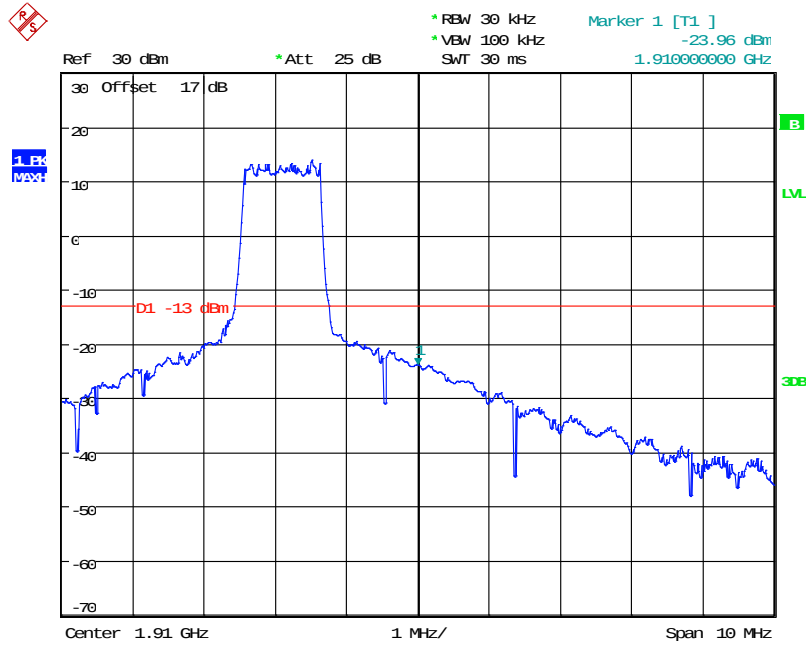


Date: 7.OCT.2024 15:13:32



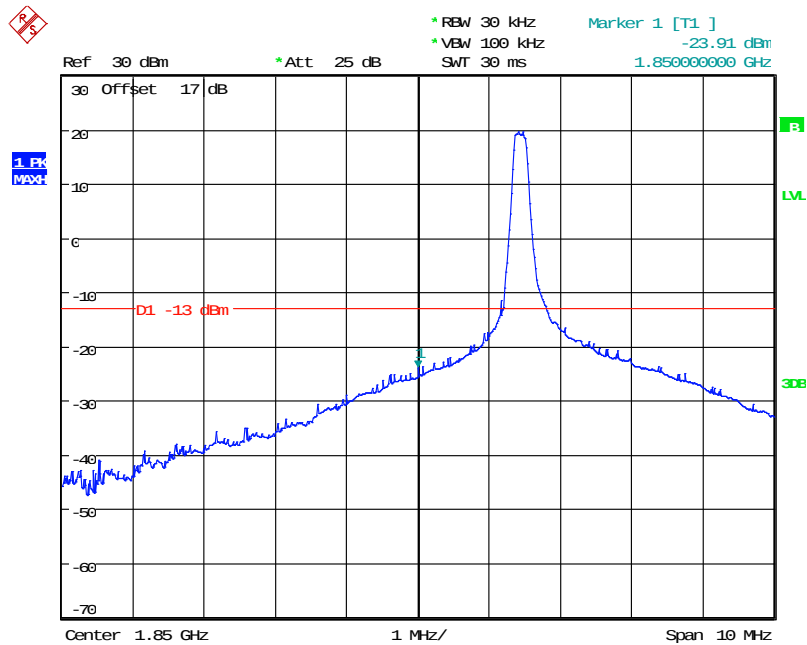
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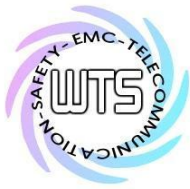


Date: 7.OCT.2024 15:11:10

16QAM
1RB

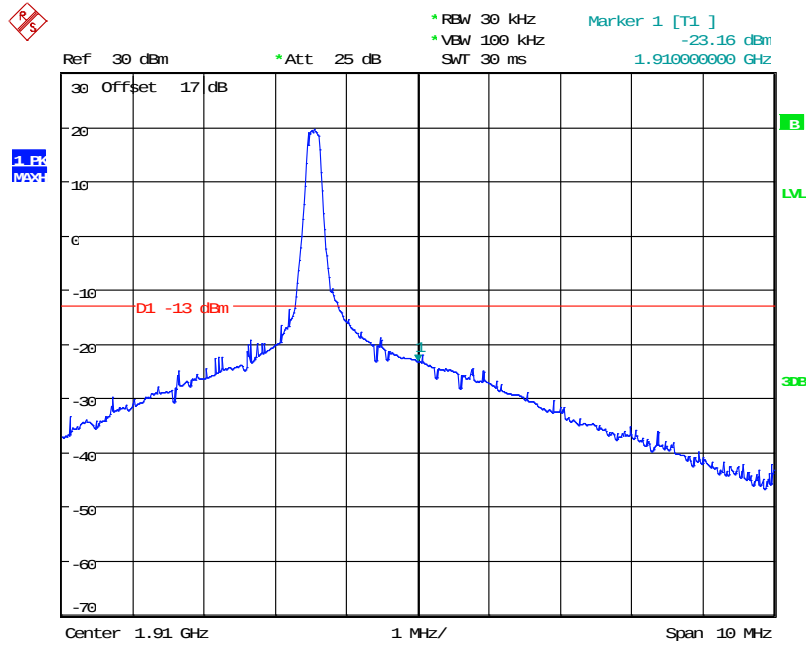


Date: 7.OCT.2024 15:15:46



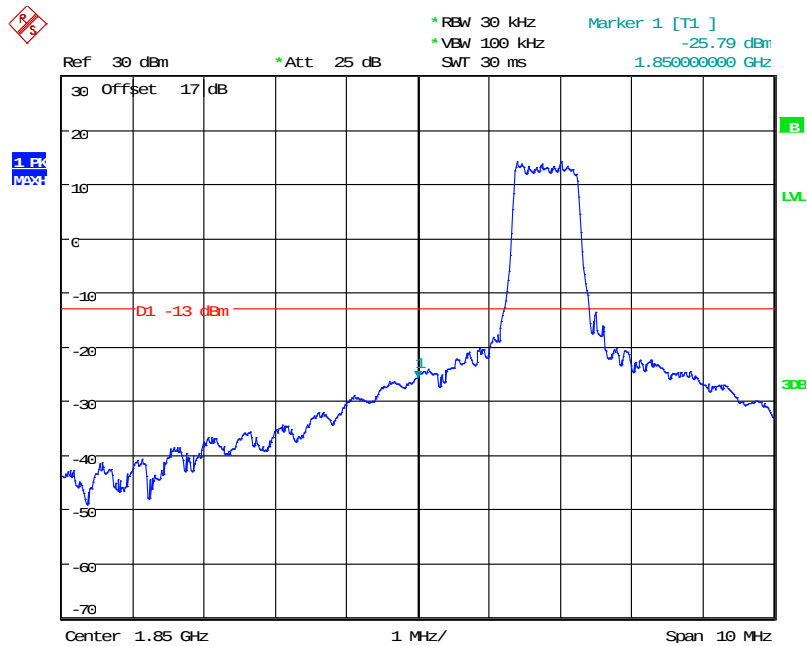
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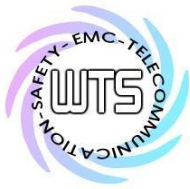


Date: 7.OCT.2024 15:08:23

FRB

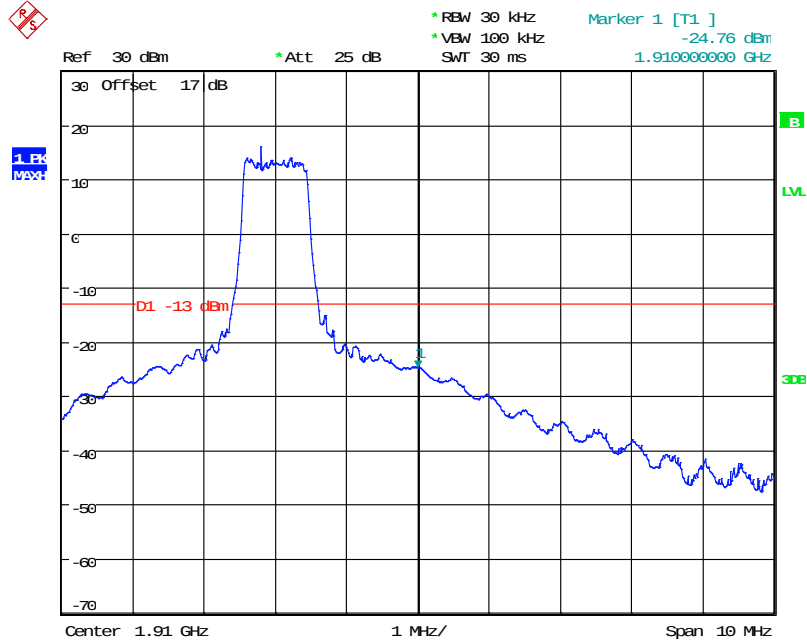


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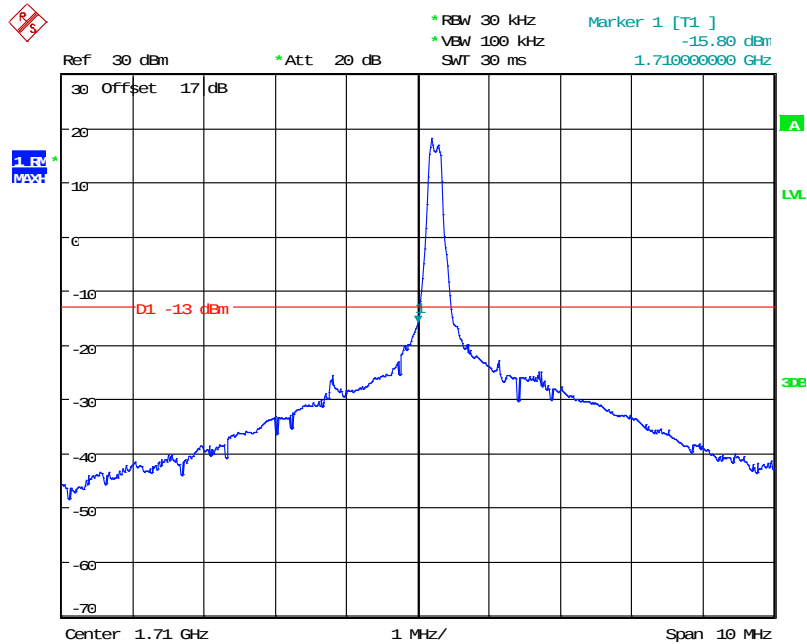
Registration number: W6M22409-23713-C-247

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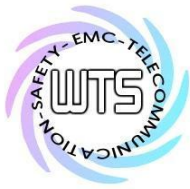


Date: 7.OCT.2024 15:05:44

Band 4
1.4 MHz
QPSK
1RB

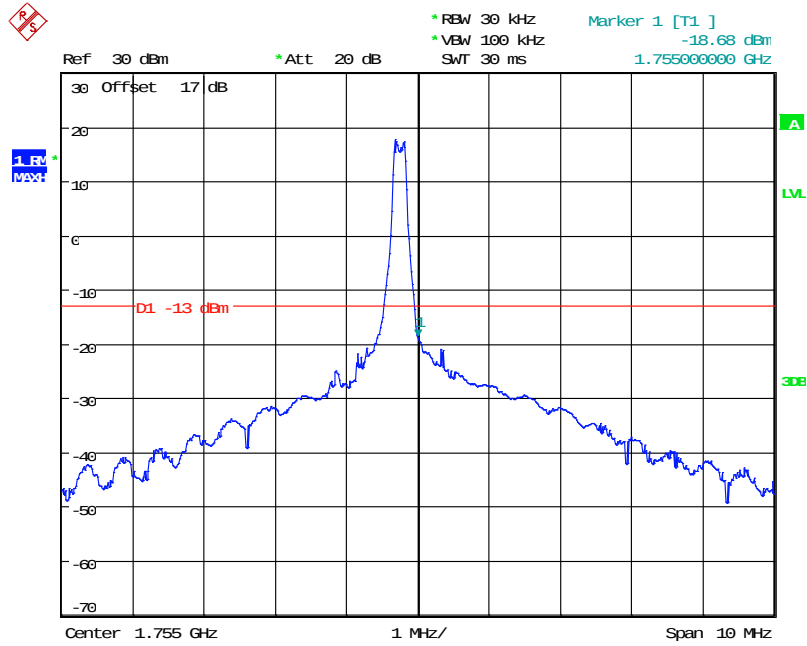


Date: 12.OCT.2024 18:35:41



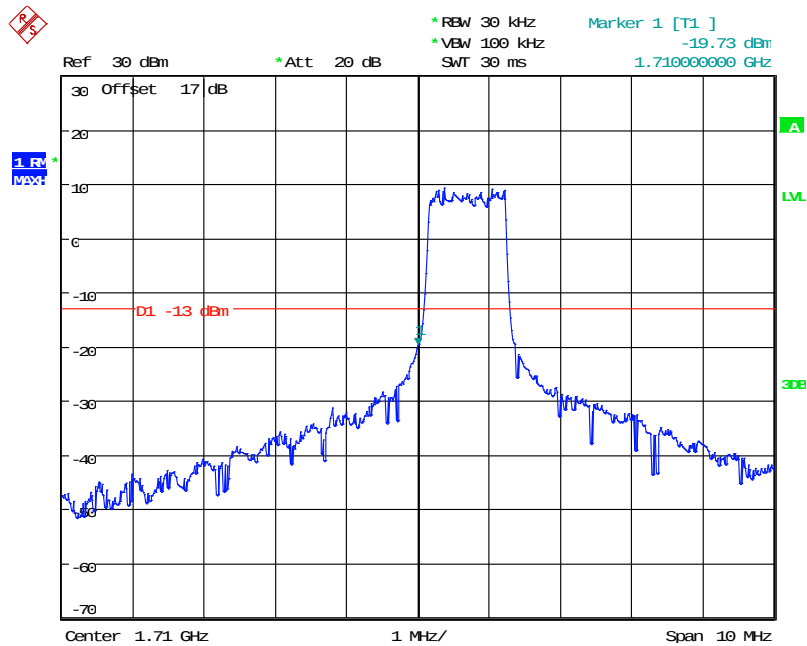
Registration number: W6M22409-23713-C-247

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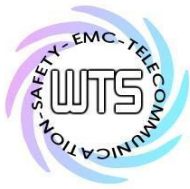


Date: 12.OCT.2024 18:26:44

FRB

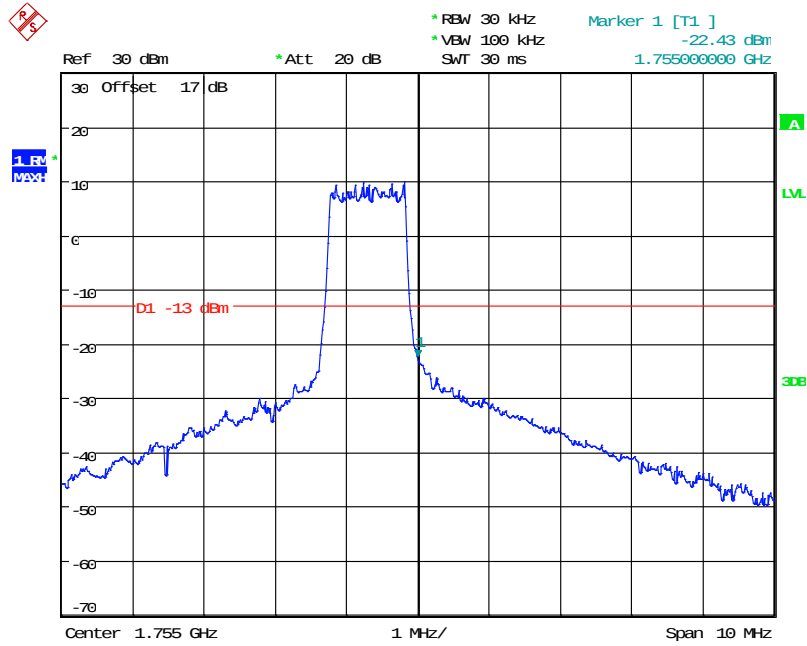


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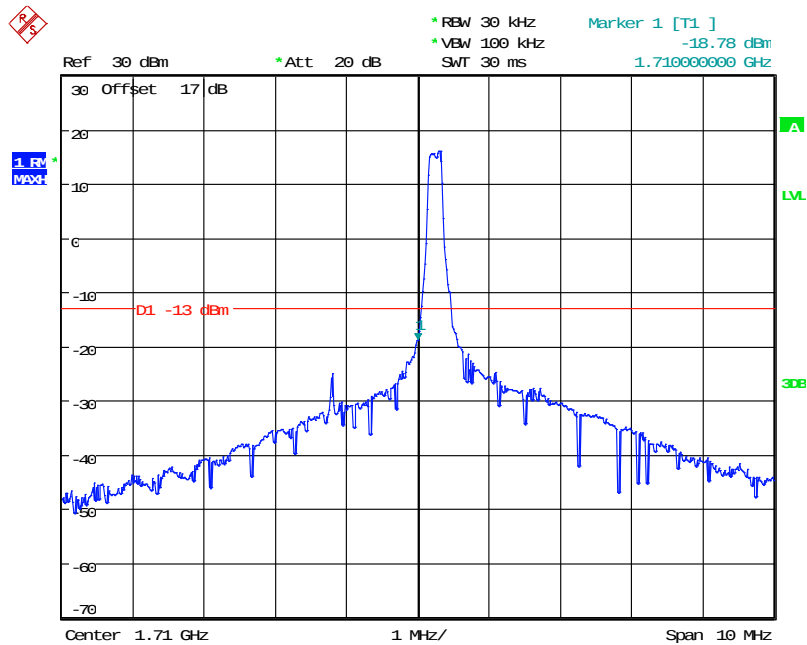
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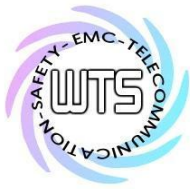


Date: 12.OCT.2024 18:25:06

16QAM
1RB

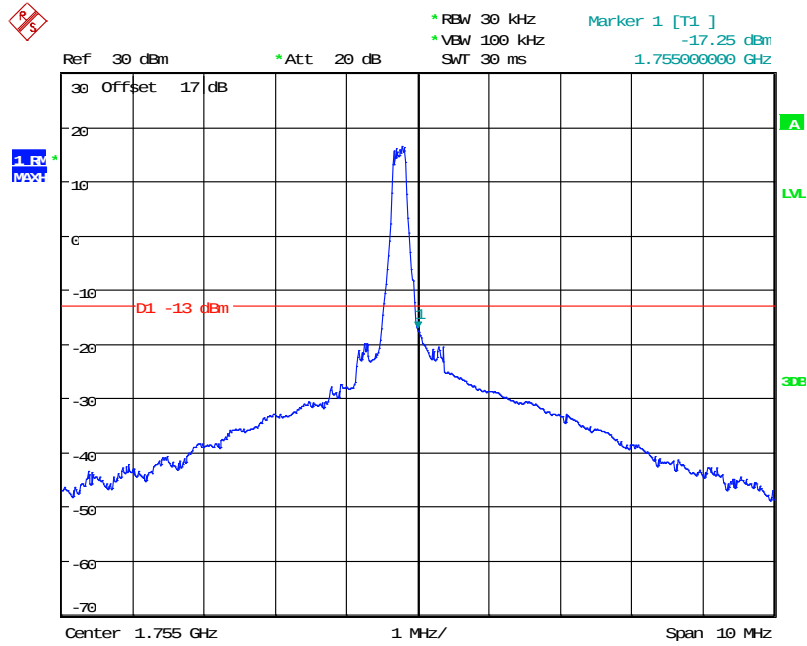


Date: 12.OCT.2024 18:33:53



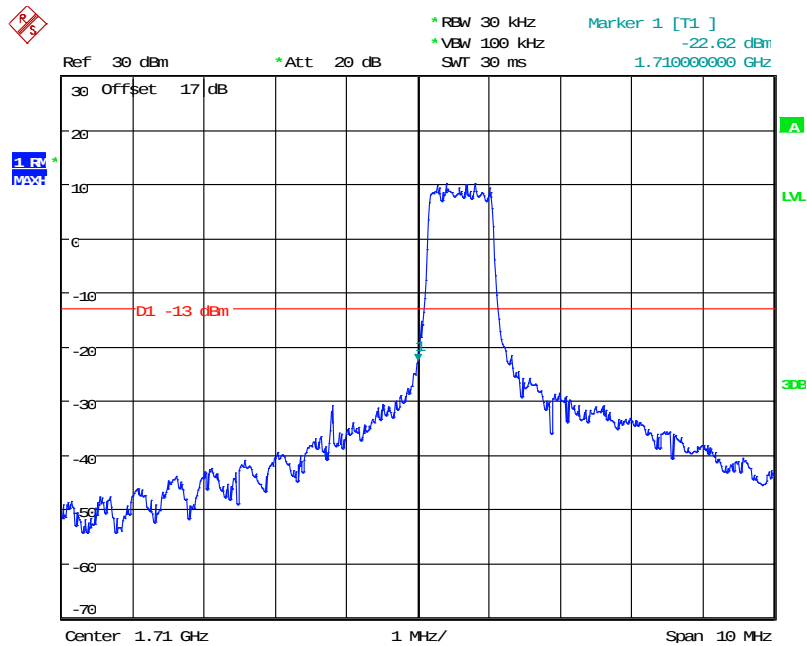
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

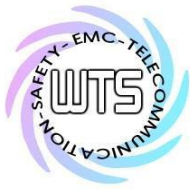


Date: 12.OCT.2024 18:28:34

FRB

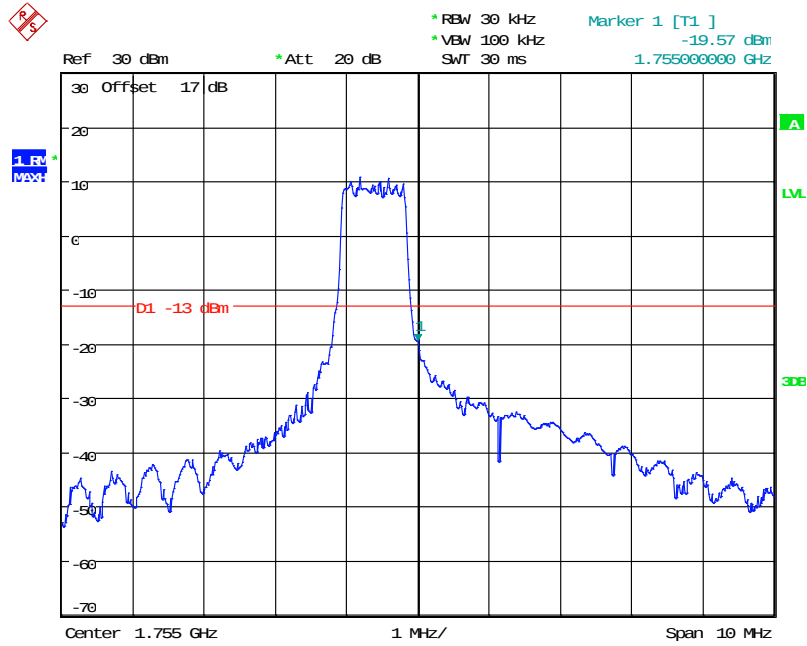


Date: 12.OCT.2024 18:32:42



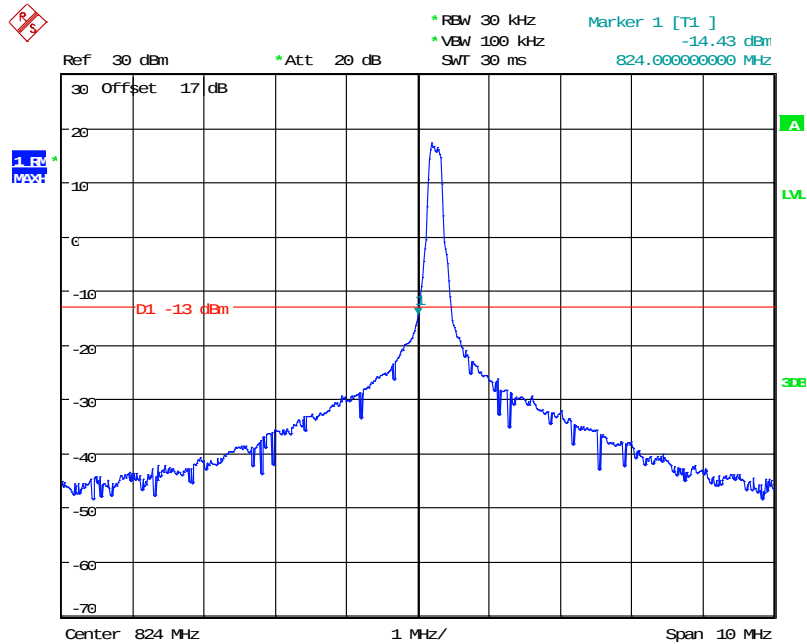
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

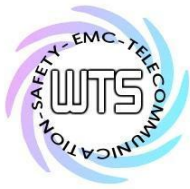


Date: 12.OCT.2024 18:30:46

Band 5
1.4 MHz
QPSK
1RB

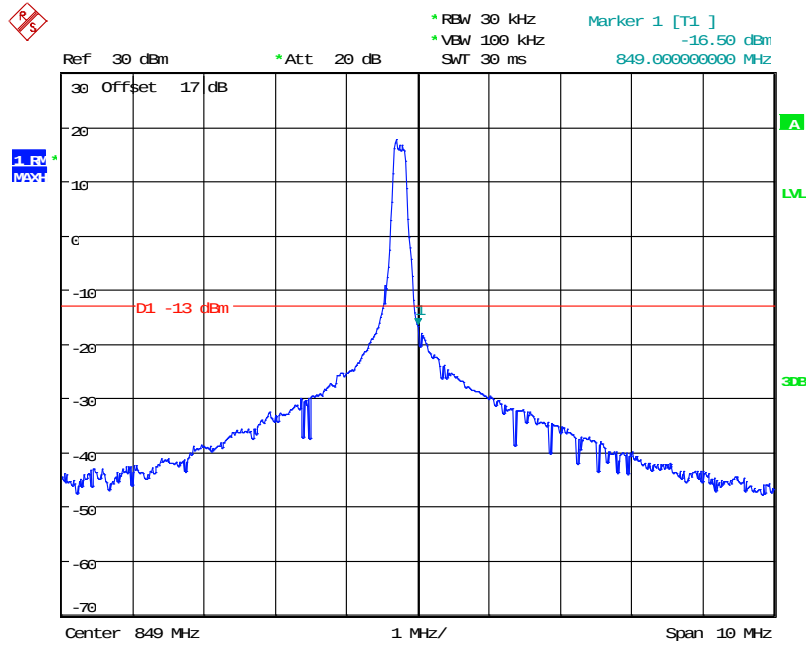


Date: 12.OCT.2024 18:57:37



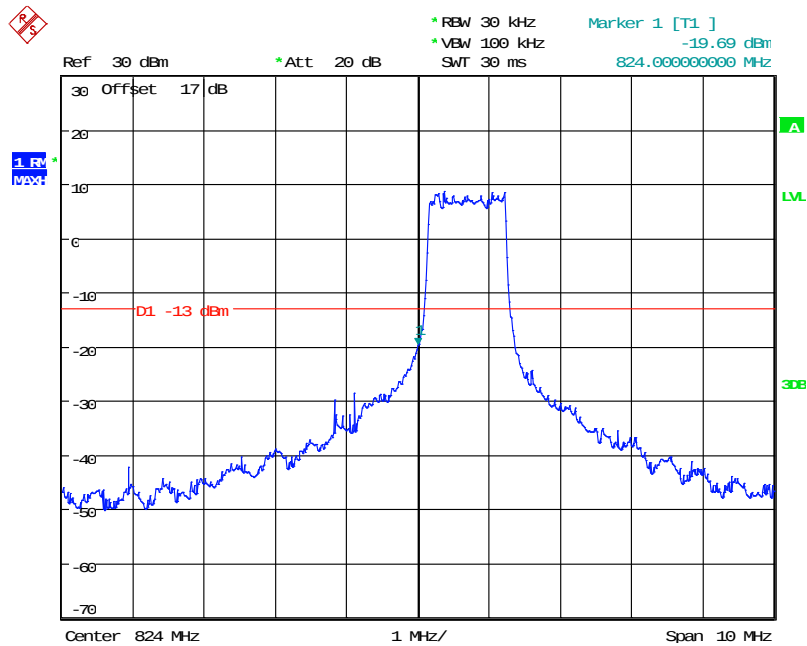
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

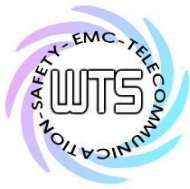


Date: 12.OCT.2024 19:05:03

FRB

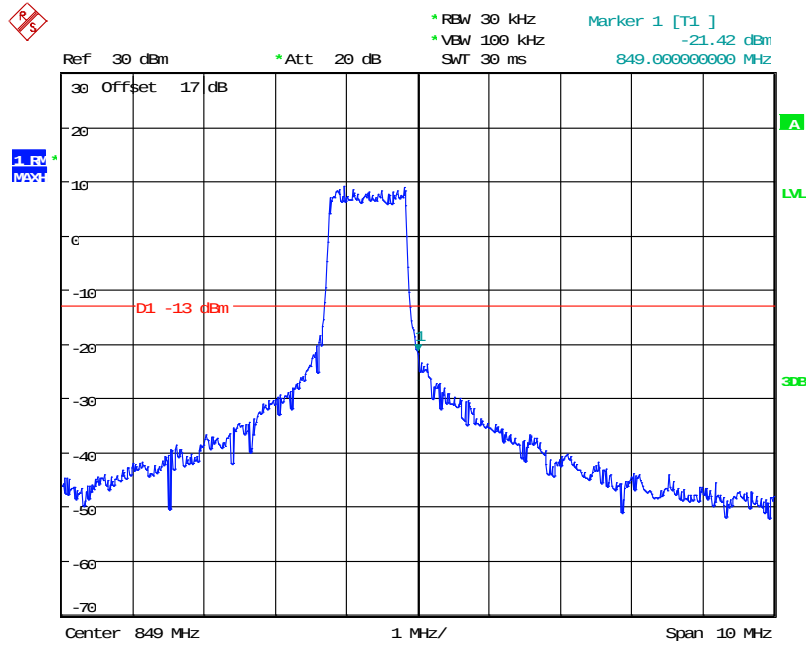


Date: 12.OCT.2024 18:56:37



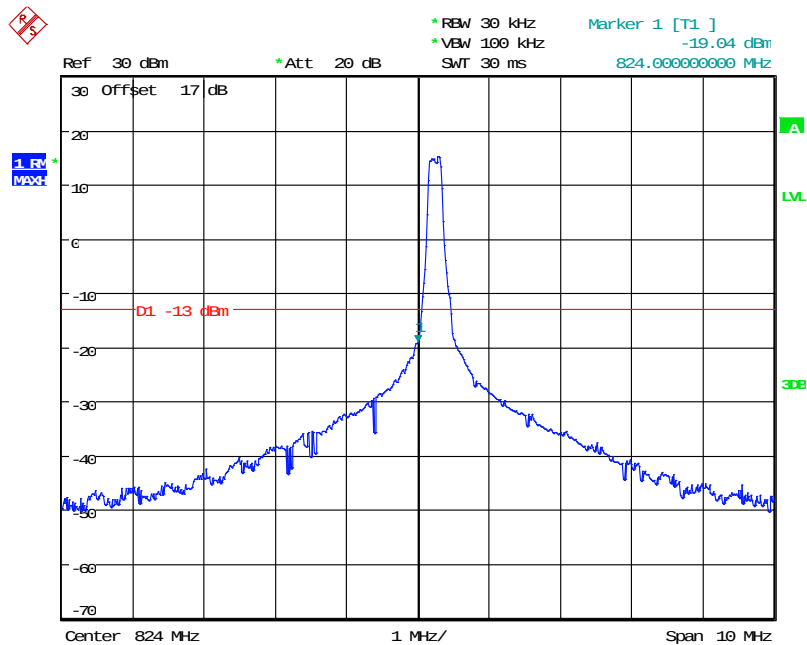
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

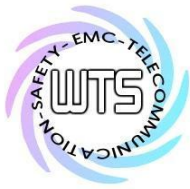


Date: 12.OCT.2024 19:05:55

16QAM
1RB

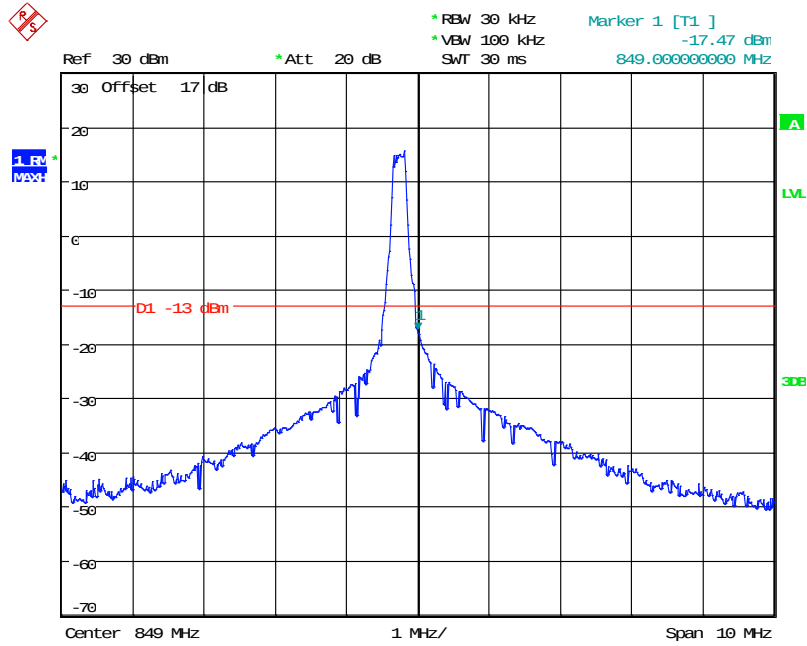


Date: 12.OCT.2024 18:58:45



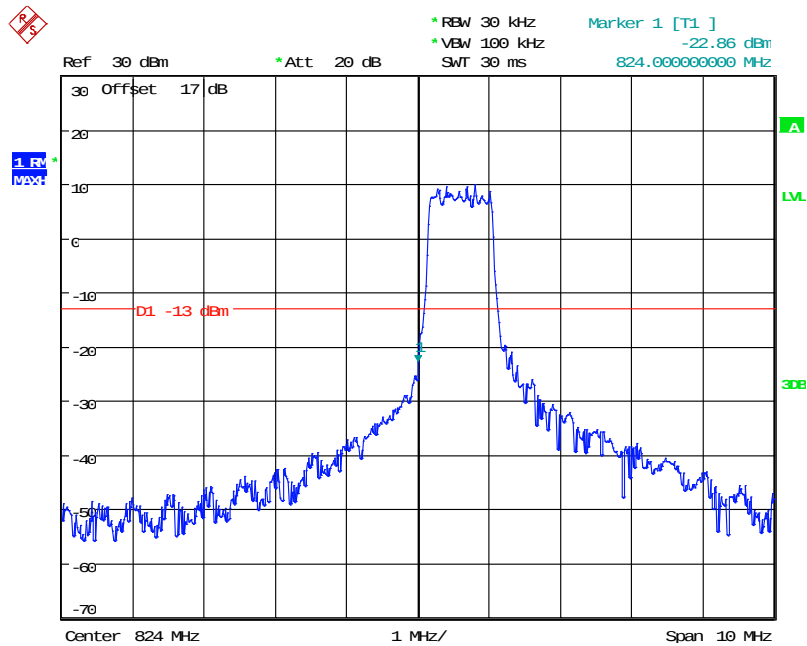
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

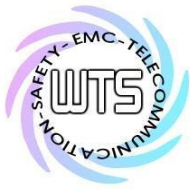


Date: 12.OCT.2024 19:03:44

FRB

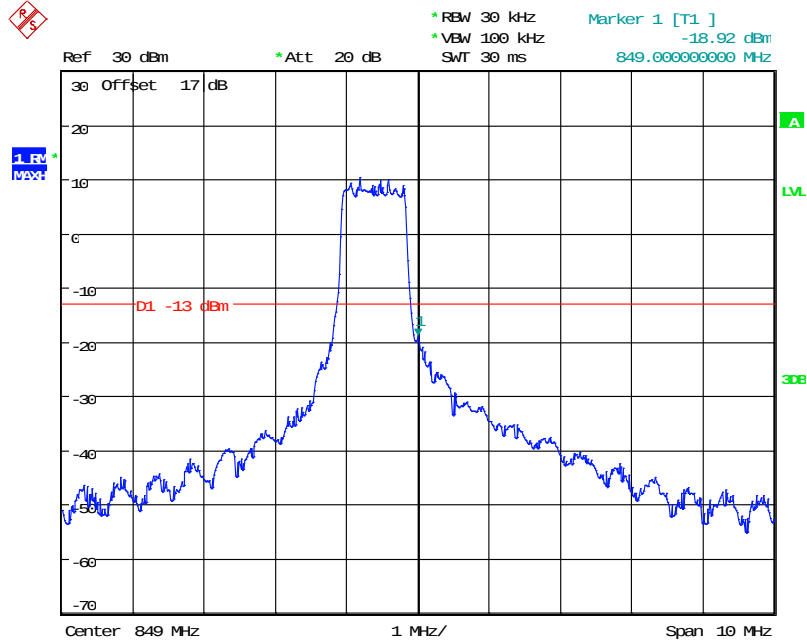


Date: 12.OCT.2024 18:59:32



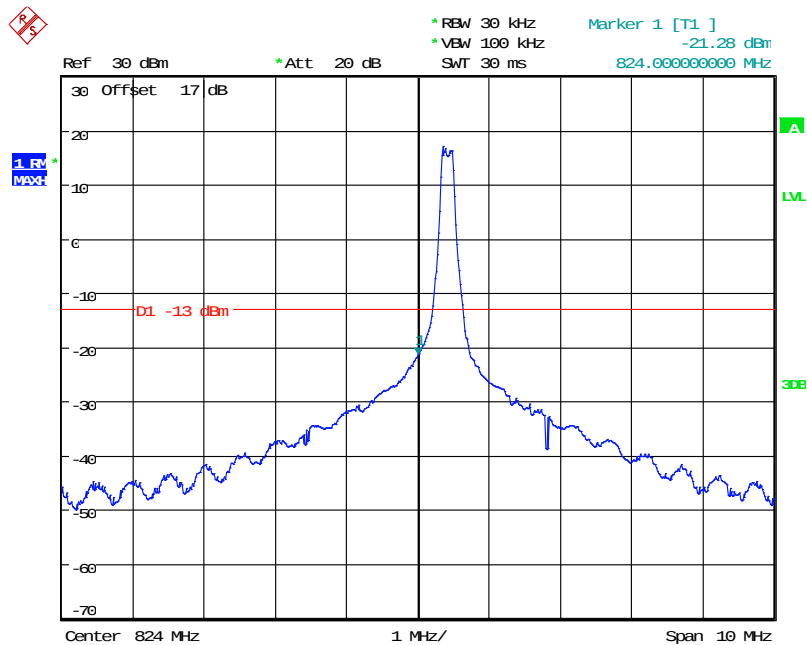
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

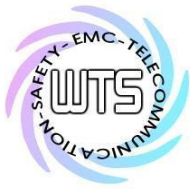


Date: 12.OCT.2024 19:02:21

3 MHz
QPSK
1RB

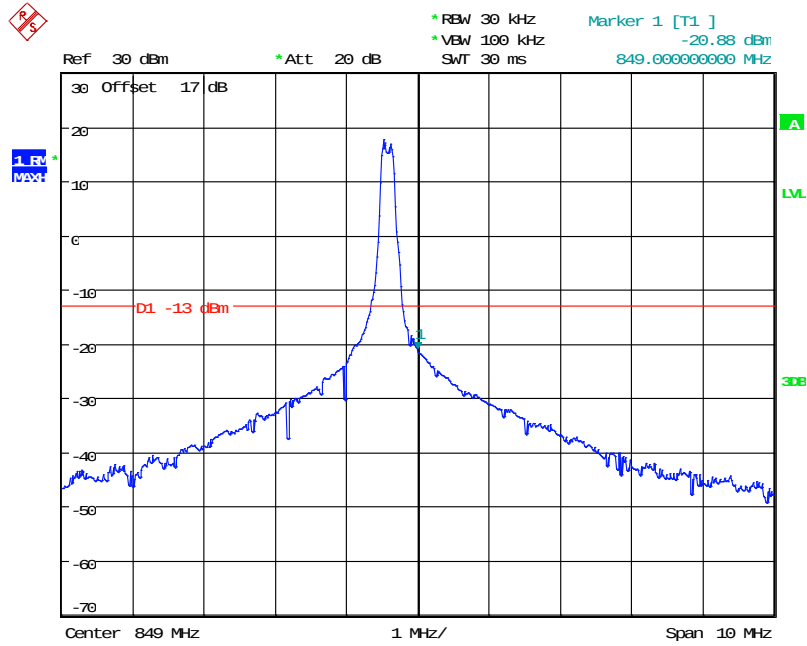


Date: 12.OCT.2024 19:27:11



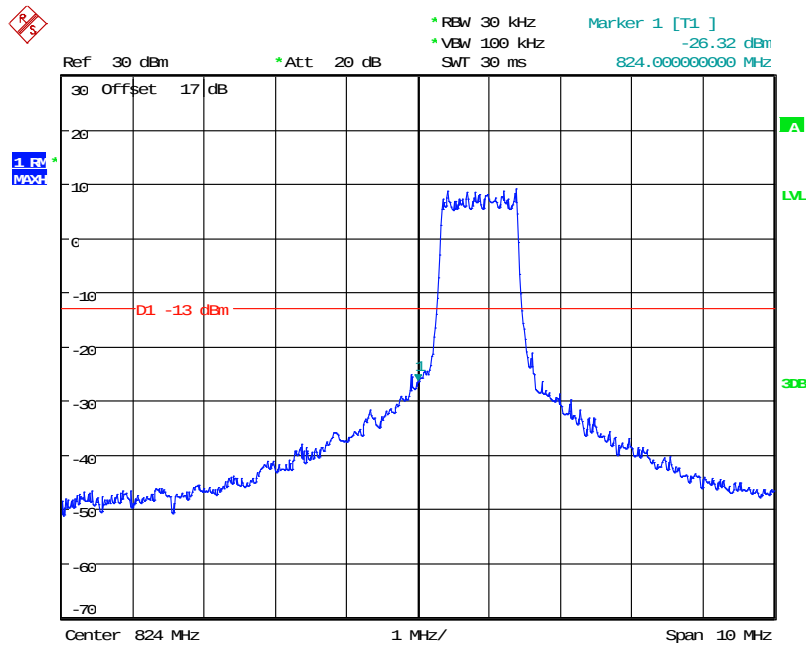
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

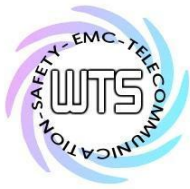


Date: 12.OCT.2024 19:18:47

FRB

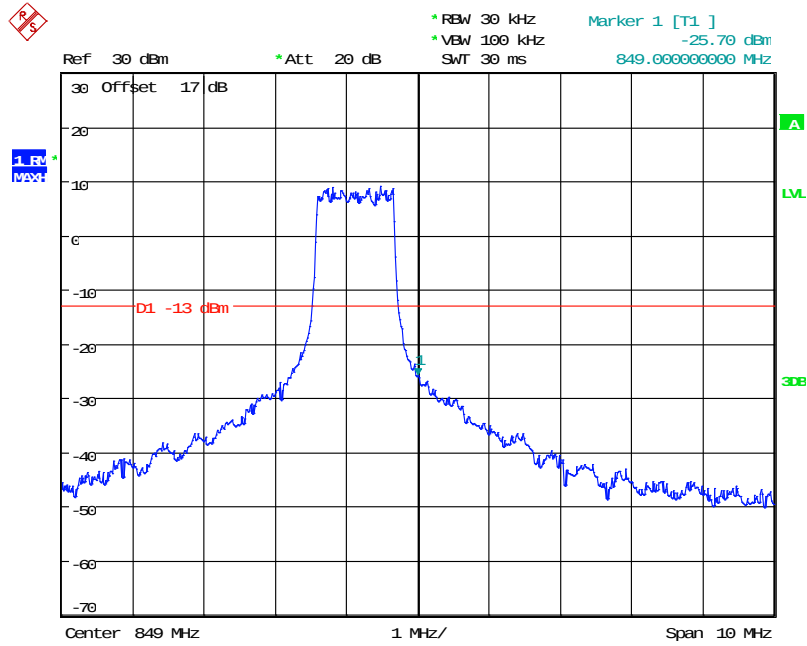


Date: 12.OCT.2024 19:28:11



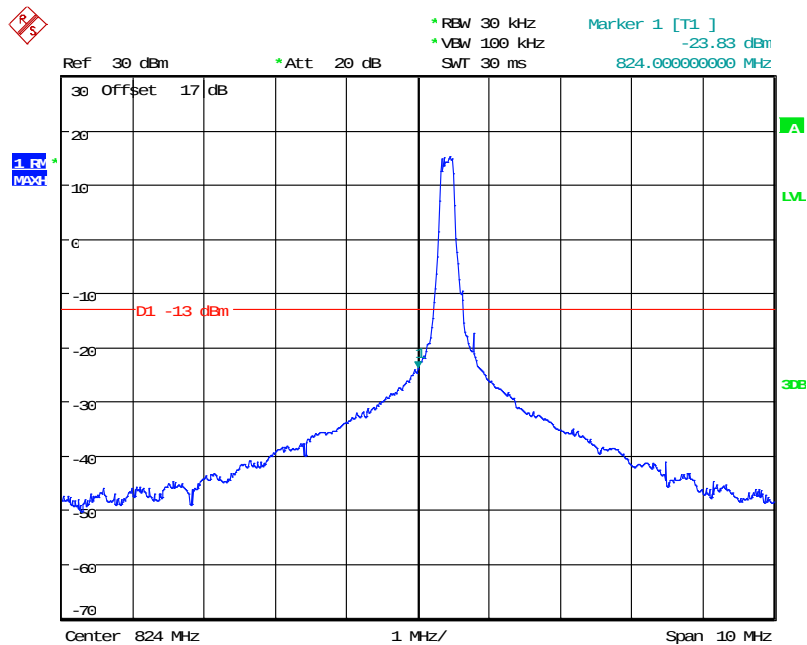
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

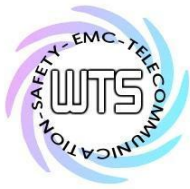


Date: 12.OCT.2024 19:17:44

16QAM
1RB

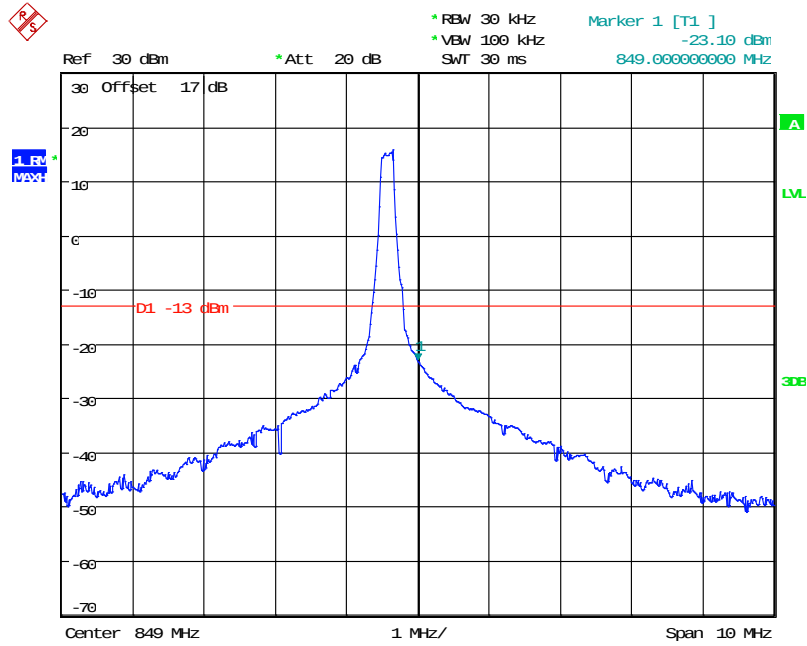


Date: 12.OCT.2024 19:25:27



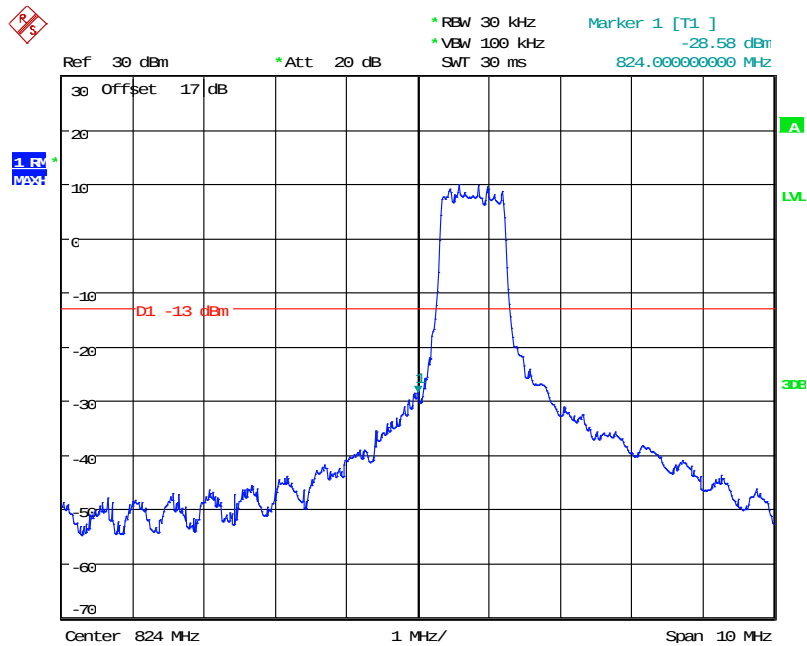
Registration number: W6M22409-23713-C-247

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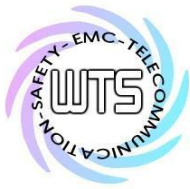


Date: 12.OCT.2024 19:20:15

FRB

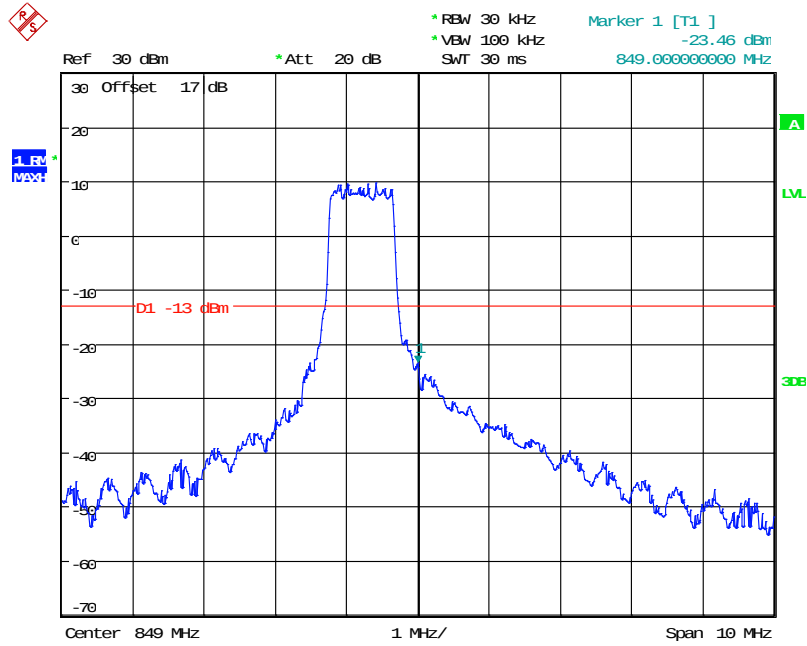


Date: 12.OCT.2024 19:24:00



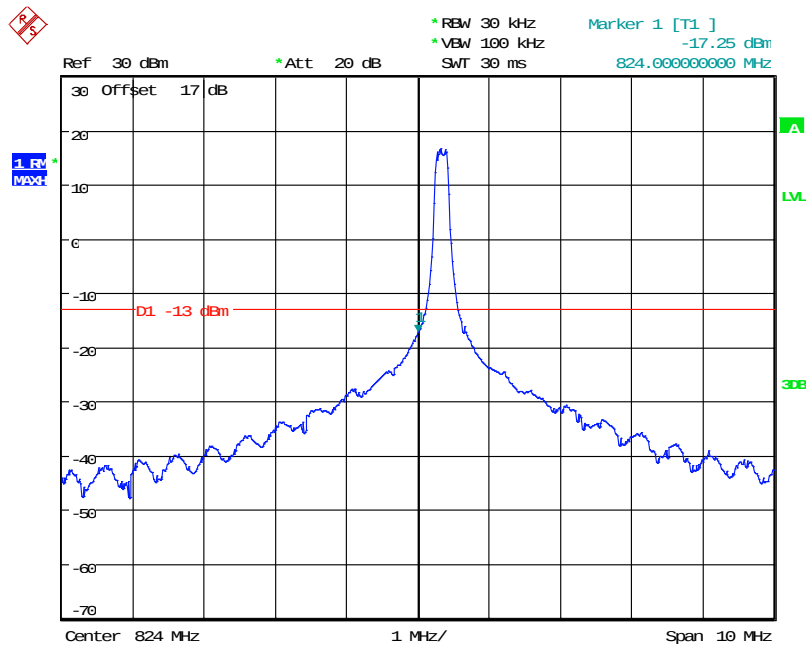
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

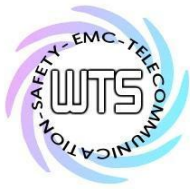


Date: 12.OCT.2024 19:21:23

5 MHz
QPSK
1RB

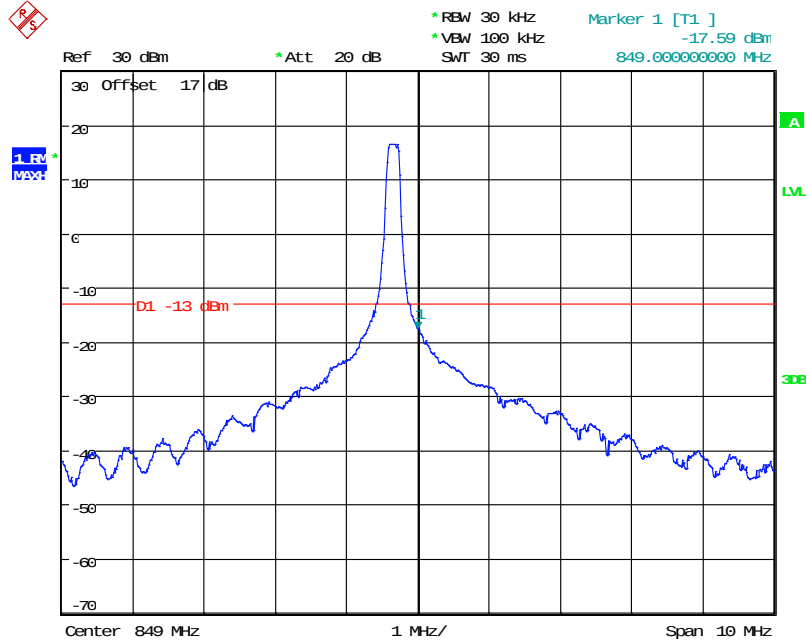


Date: 12.OCT.2024 19:39:15



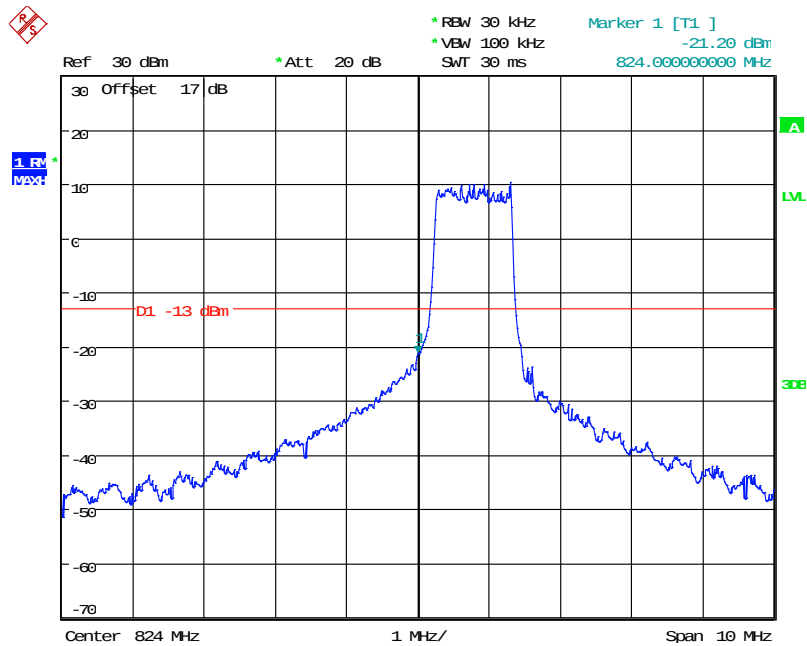
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

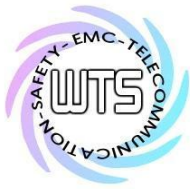


Date: 12.OCT.2024 19:48:54

FRB

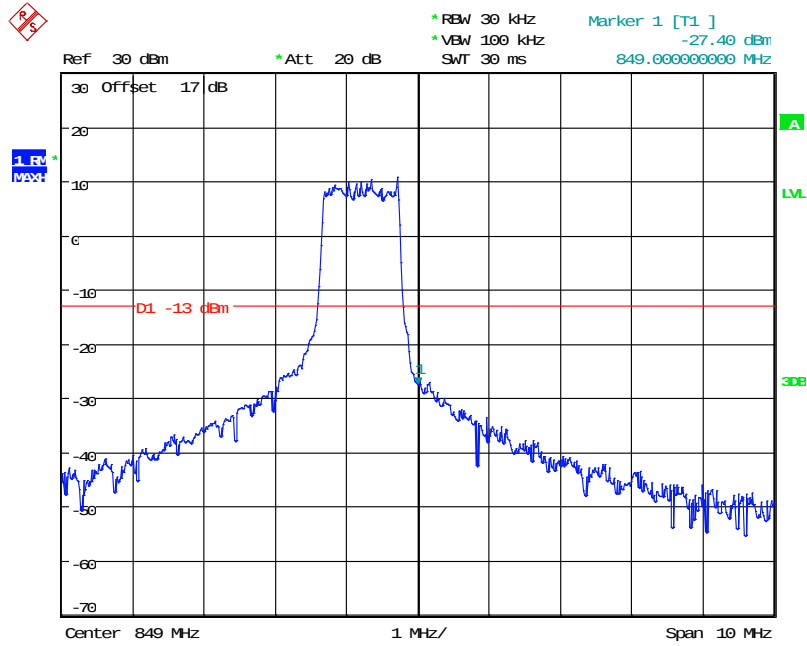


Date: 12.OCT.2024 19:38:06



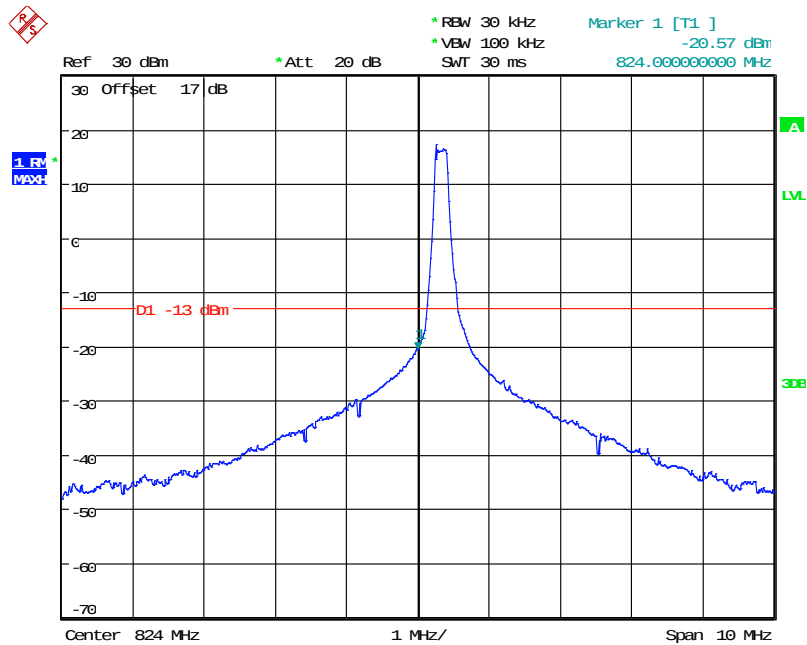
Registration number: W6M22409-23713-C-247

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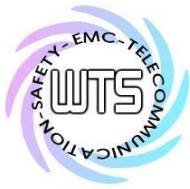


Date: 12.OCT.2024 19:49:42

16QAM
1RB

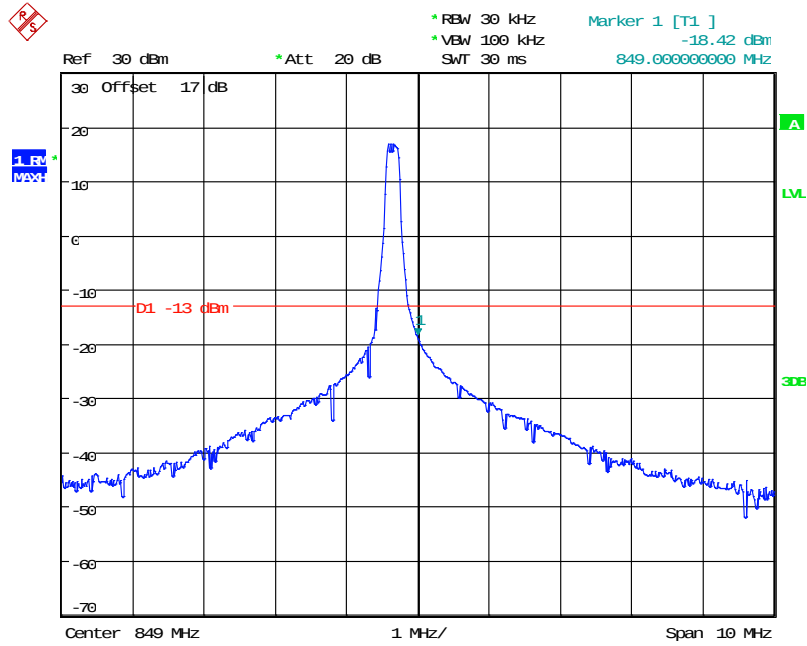


Date: 12.OCT.2024 19:40:51



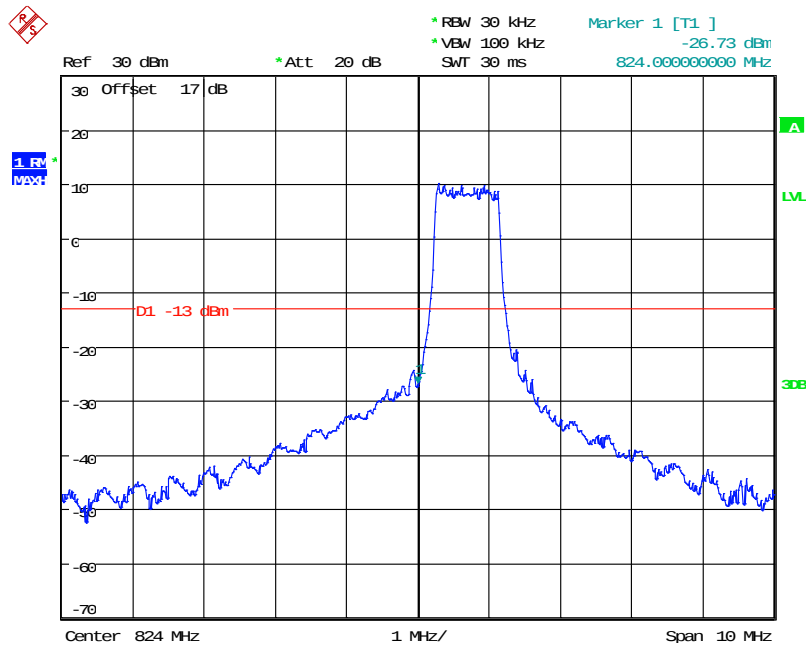
Registration number: W6M22409-23713-C-247

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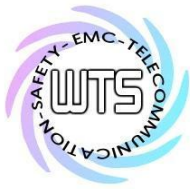


Date: 12.OCT.2024 19:47:22

FRB

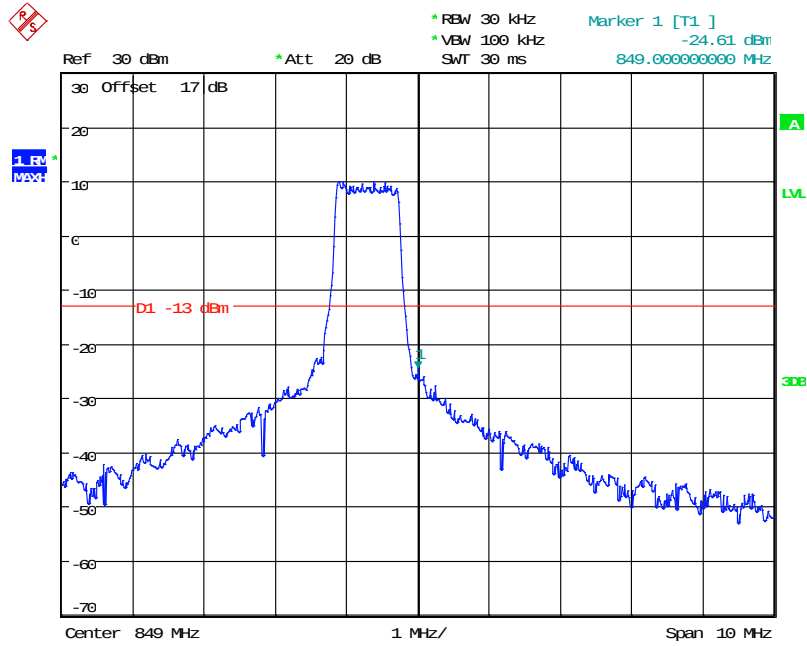


Date: 12.OCT.2024 19:42:10



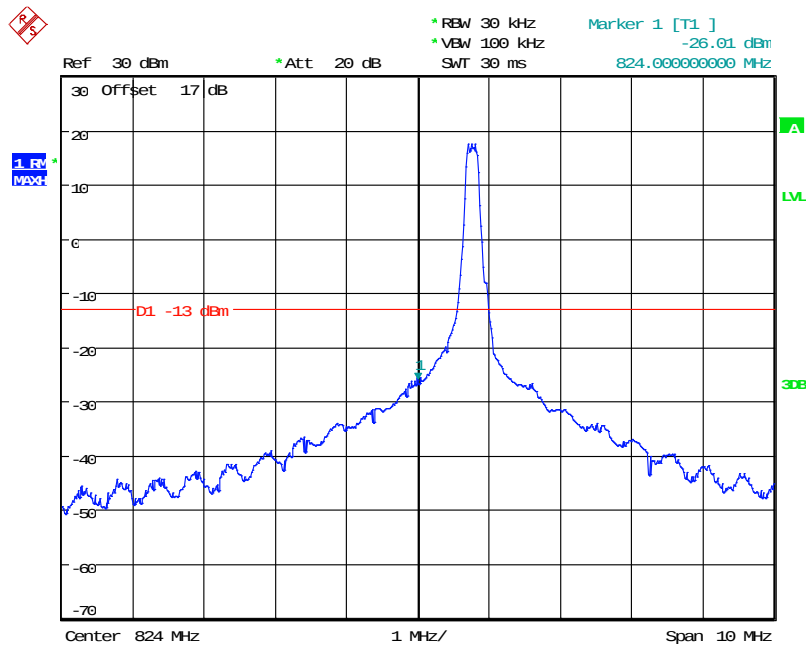
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

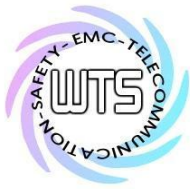


Date: 12.OCT.2024 19:46:07

10 MHz
QPSK
1RB

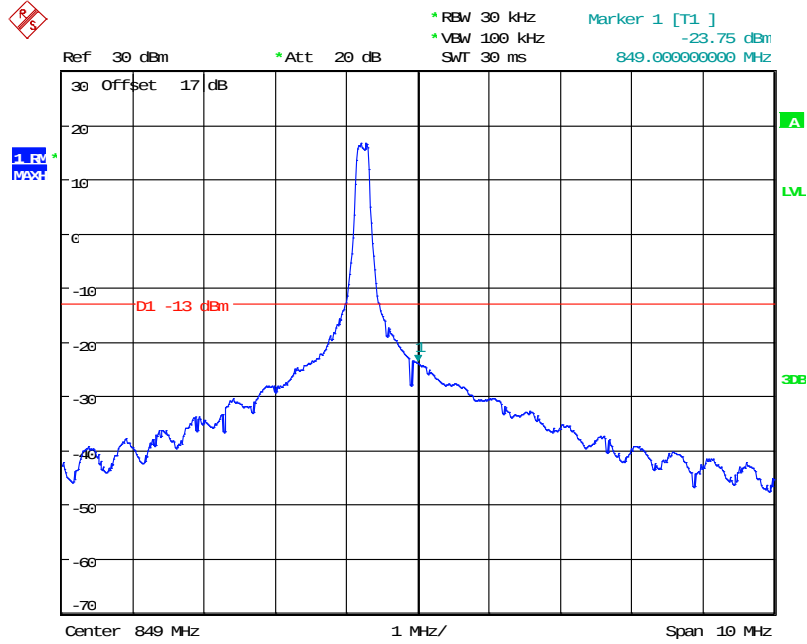


Date: 12.OCT.2024 20:01:34



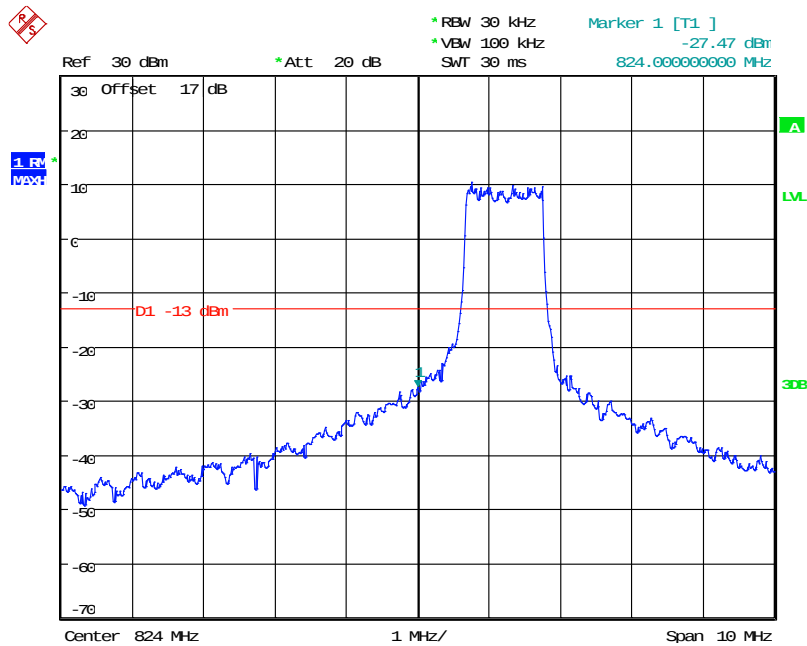
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

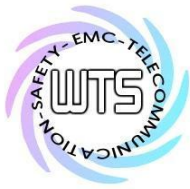


Date: 12.OCT.2024 19:54:13

FRB

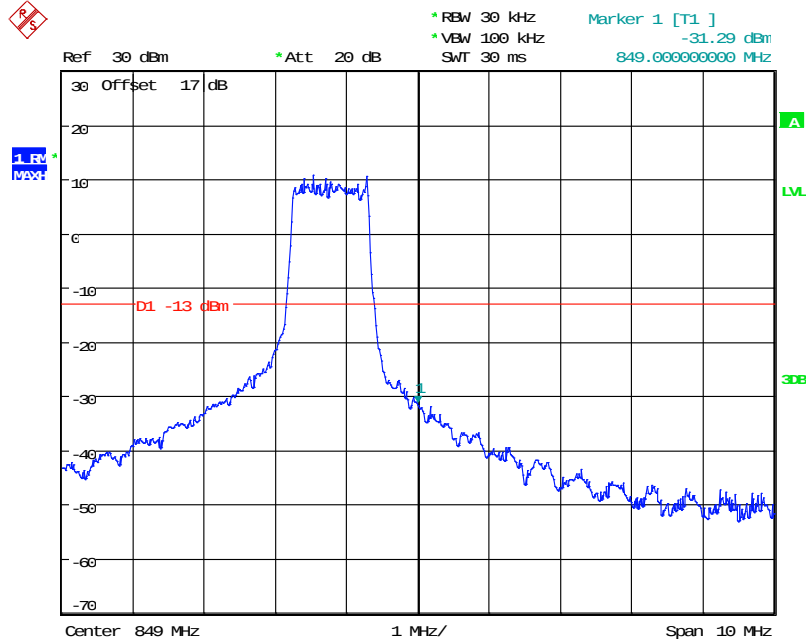


Date: 12.OCT.2024 20:02:50



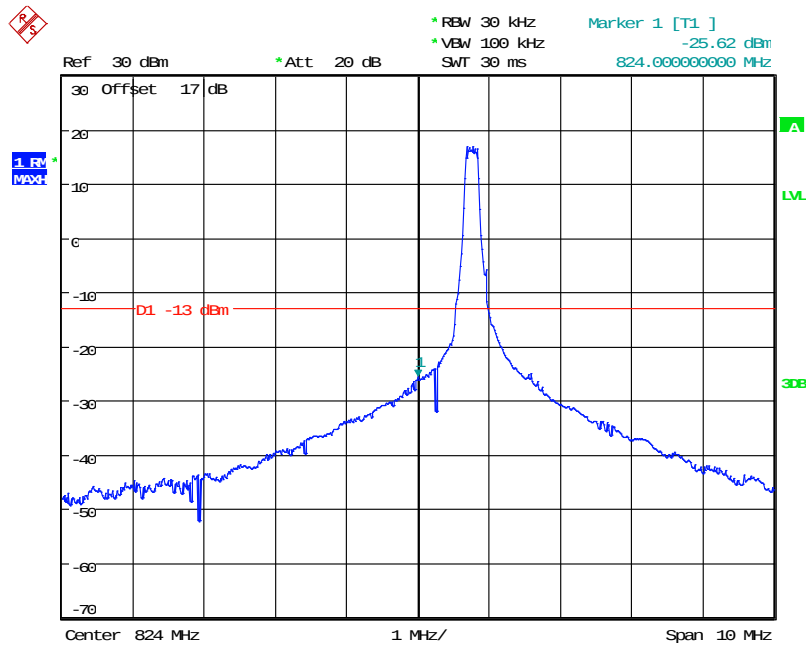
Registration number: W6M22409-23713-C-247

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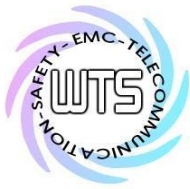


Date: 12.OCT.2024 19:52:55

16QAM
1RB

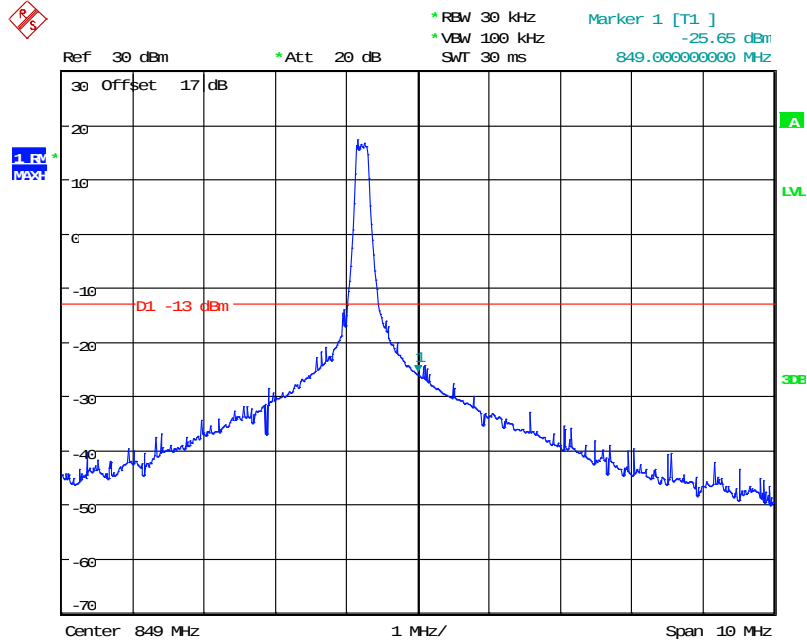


Date: 12.OCT.2024 20:00:24



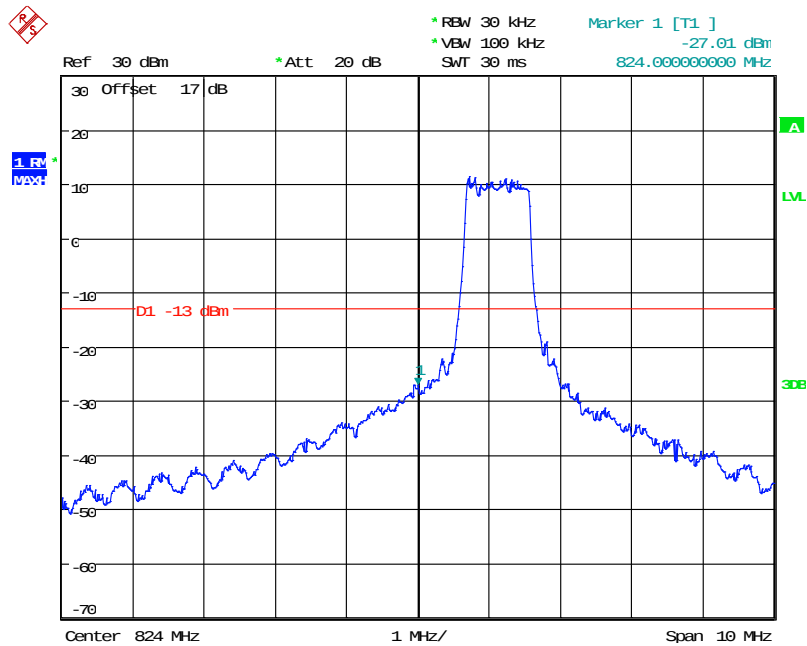
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

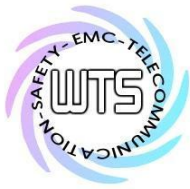


Date: 12.OCT.2024 19:55:57

FRB

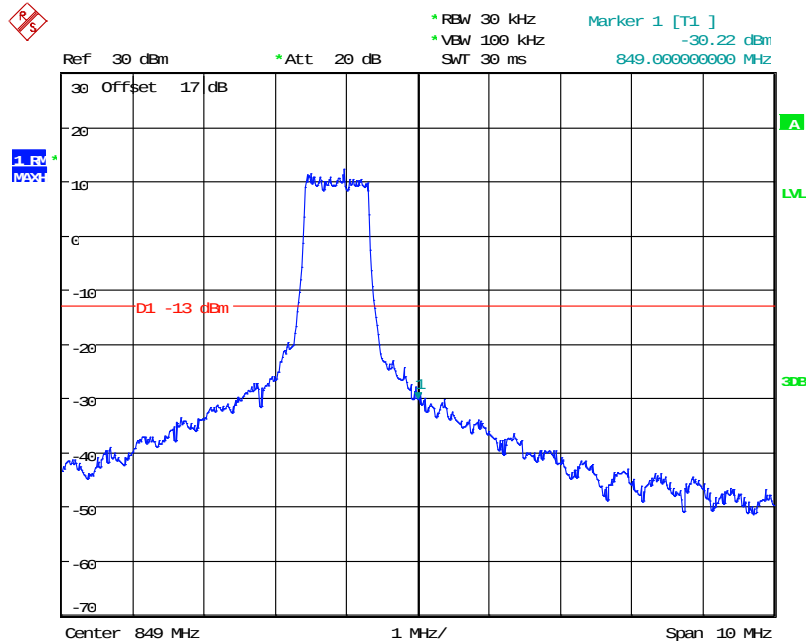


Date: 12.OCT.2024 19:59:20



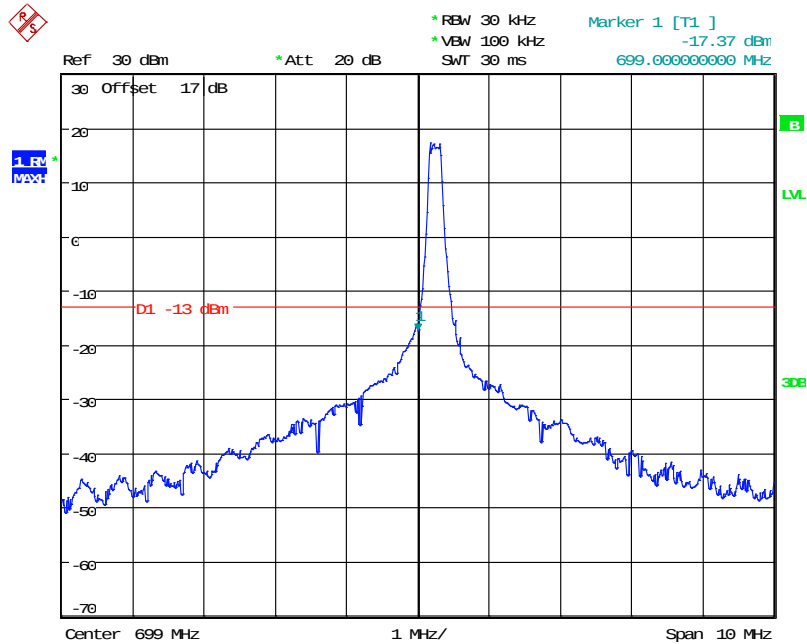
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

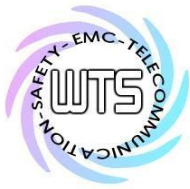


Date: 12.OCT.2024 19:57:19

Band 12
1.4 MHz
QPSK
1RB

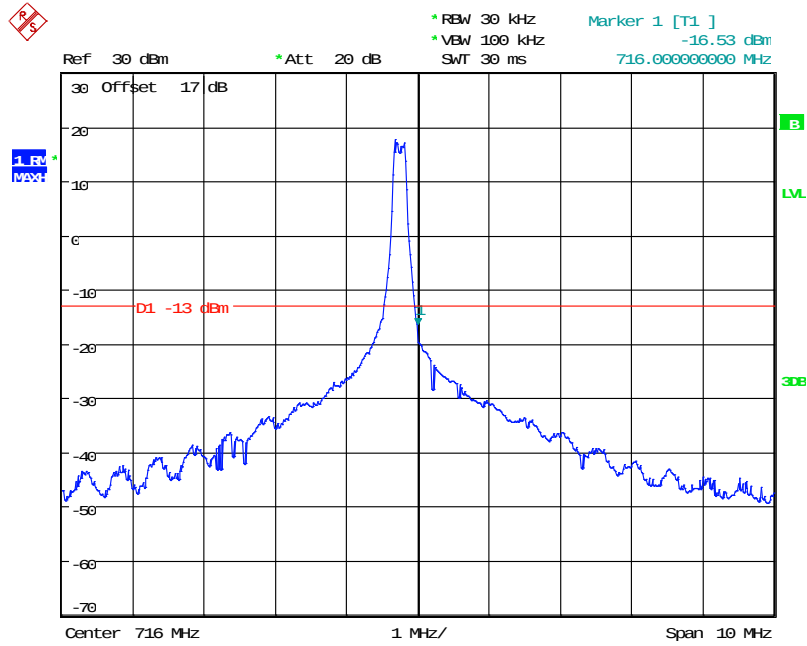


Date: 15.OCT.2024 15:47:03



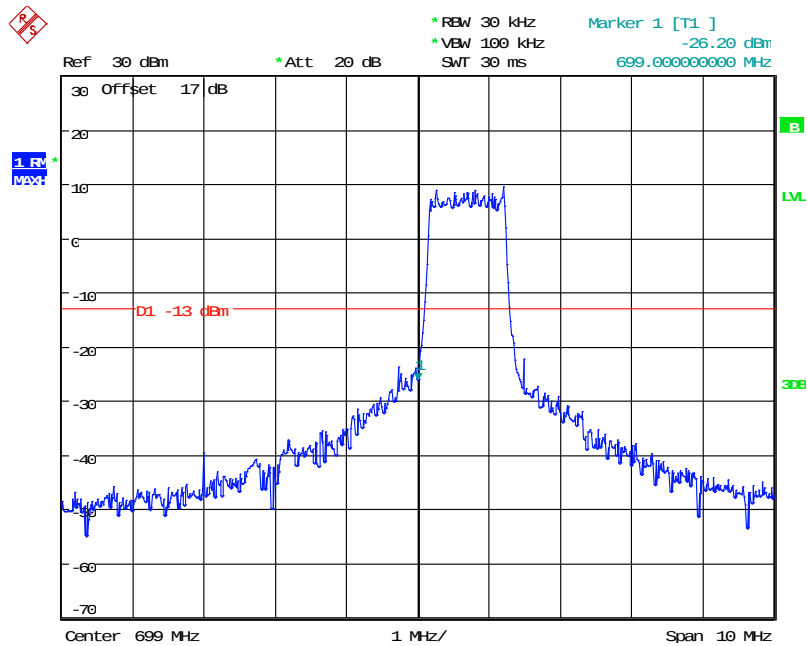
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

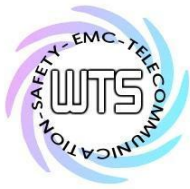


Date: 15.OCT.2024 15:37:29

FRB

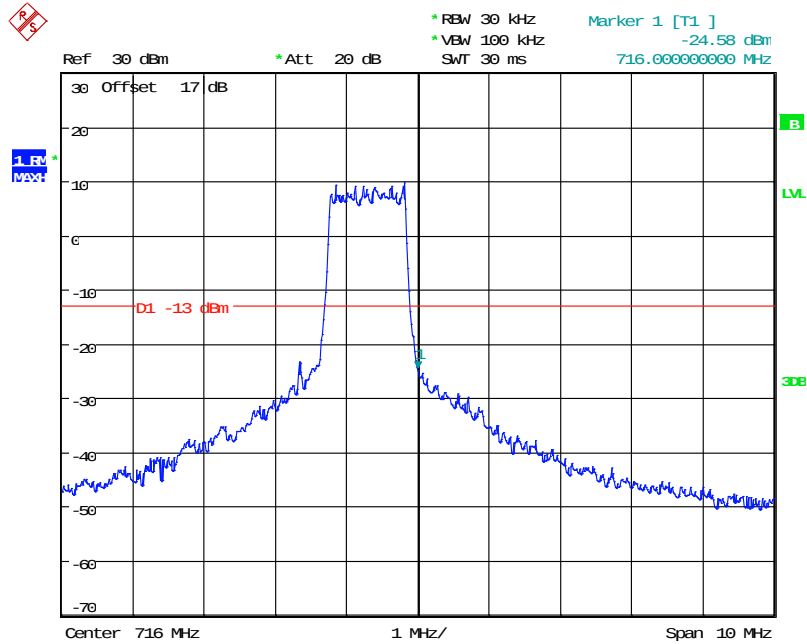


Date: 15.OCT.2024 15:47:56



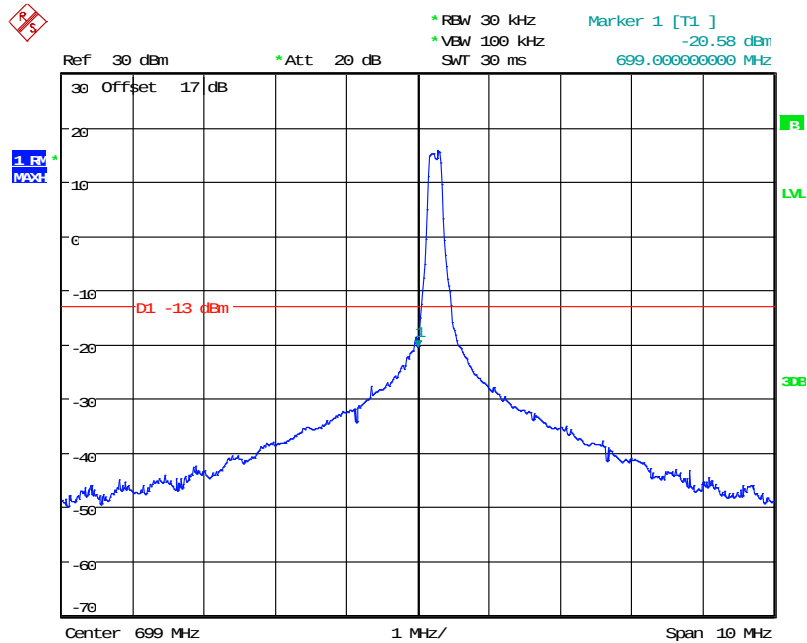
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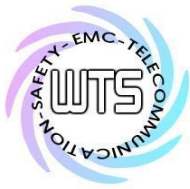


Date: 15.OCT.2024 15:36:10

16QAM
1RB

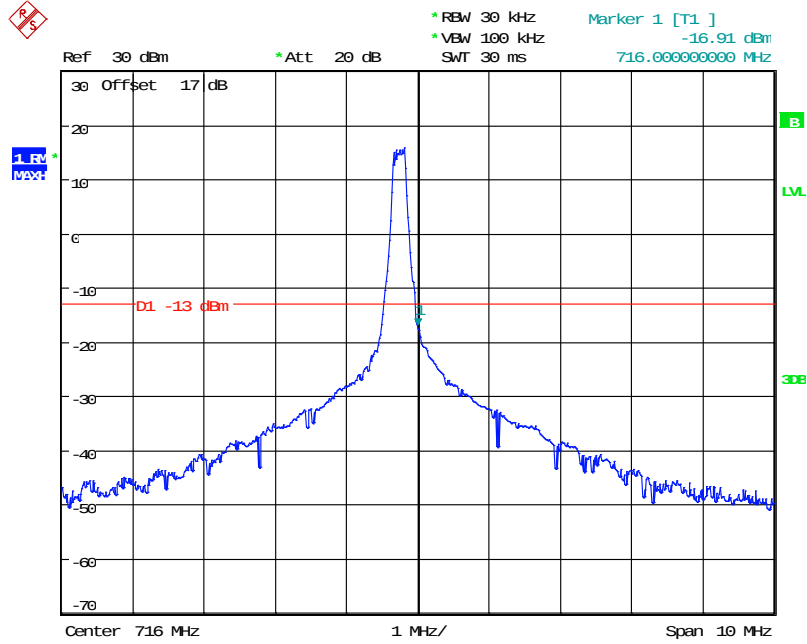


Date: 15.OCT.2024 15:45:32



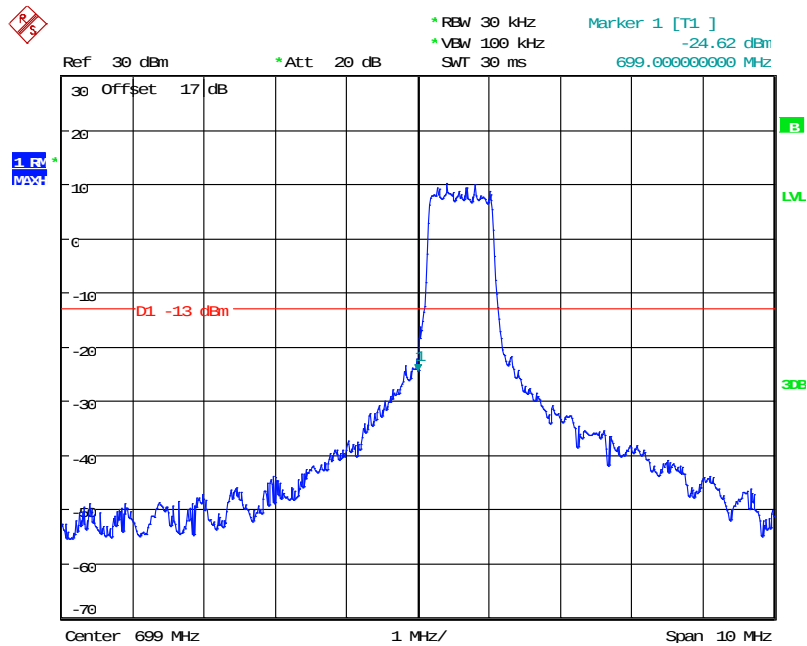
Registration number: W6M22409-23713-C-247

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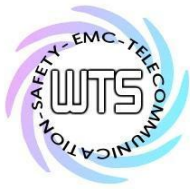


Date: 15.OCT.2024 15:38:40

FRB

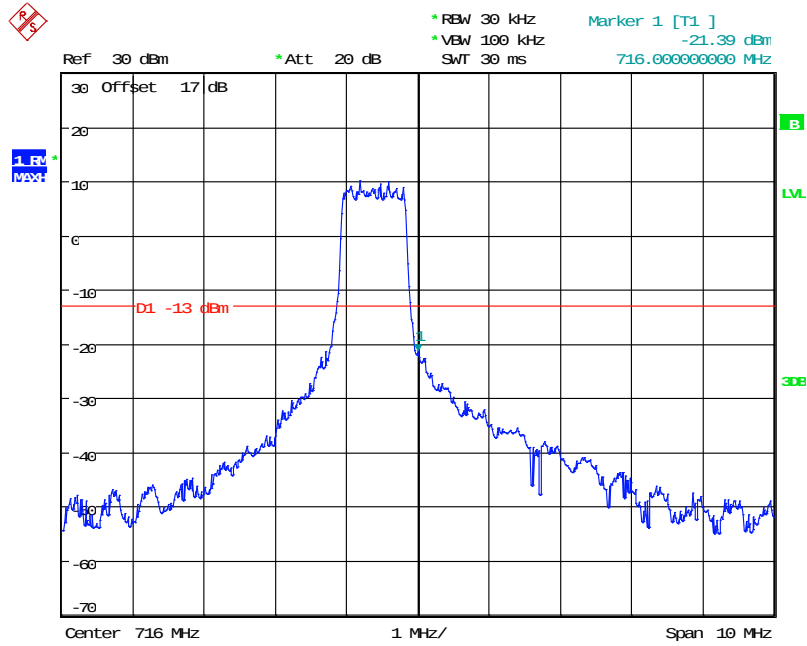


Date: 15.OCT.2024 15:42:02



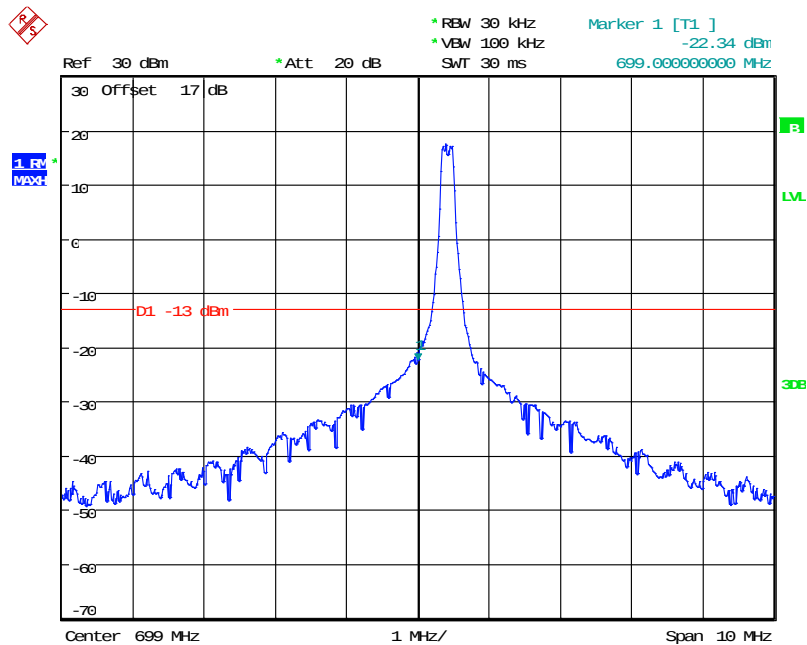
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FCC ID: 2BAJFSN-EB01

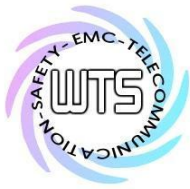


Date: 15.OCT.2024 15:39:49

3 MHz
QPSK
1RB

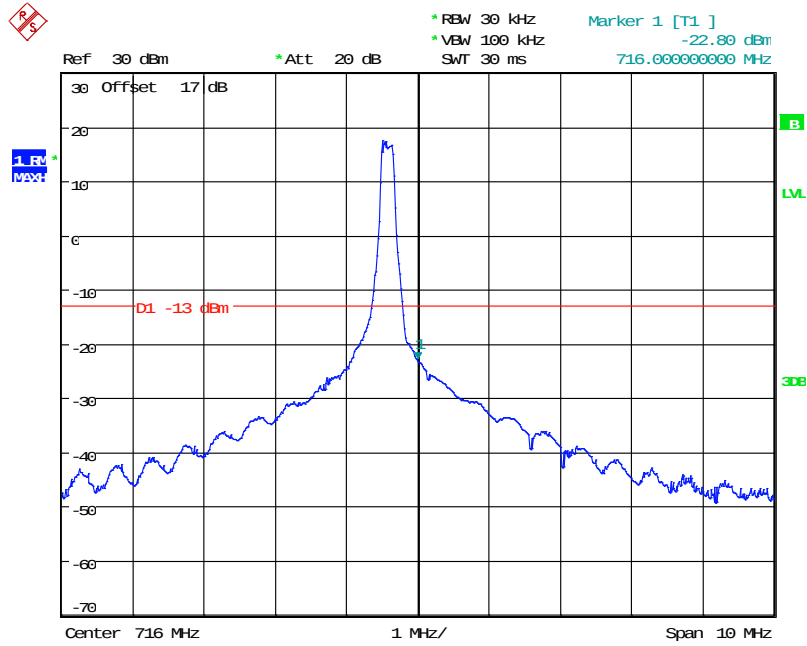


Date: 15.OCT.2024 15:21:56



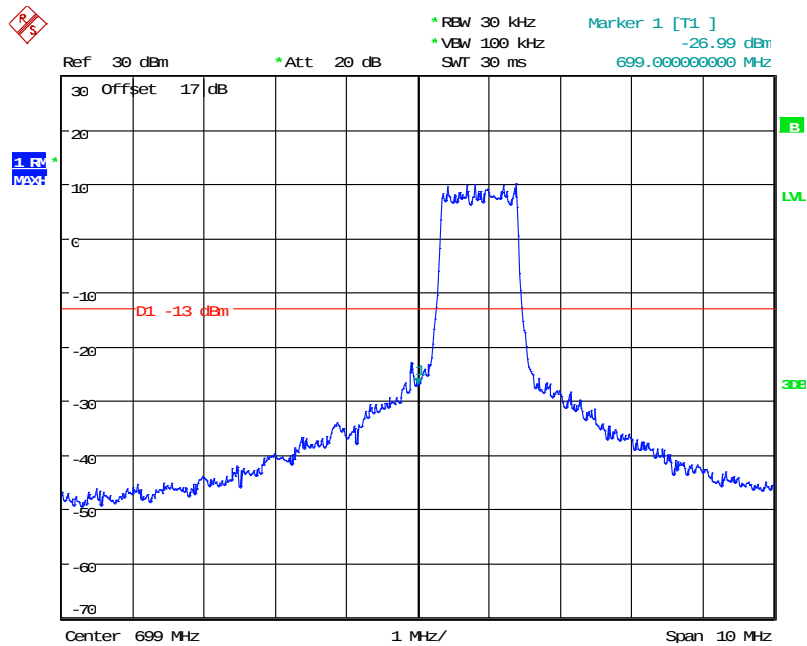
Registration number: W6M22409-23713-C-247

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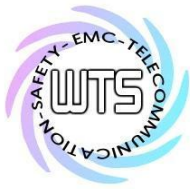


Date: 15.OCT.2024 15:32:10

FRB

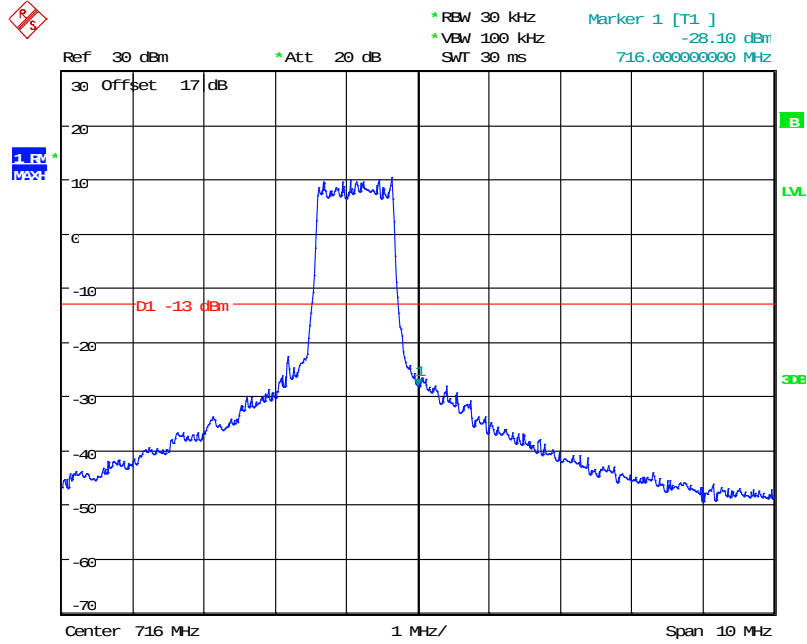


Date: 15.OCT.2024 15:20:52



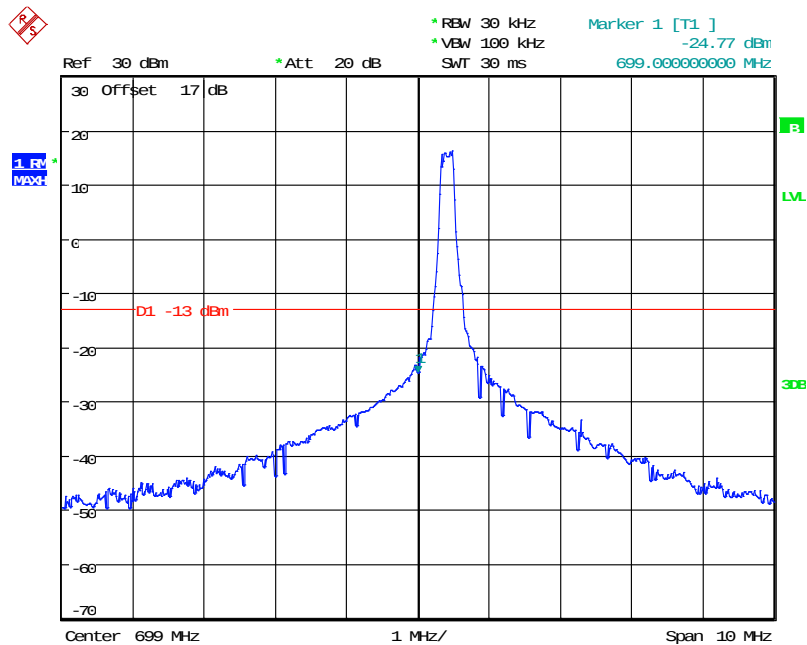
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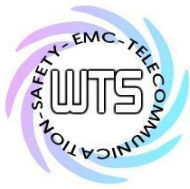


Date: 15.OCT.2024 15:31:05

16QAM
1RB

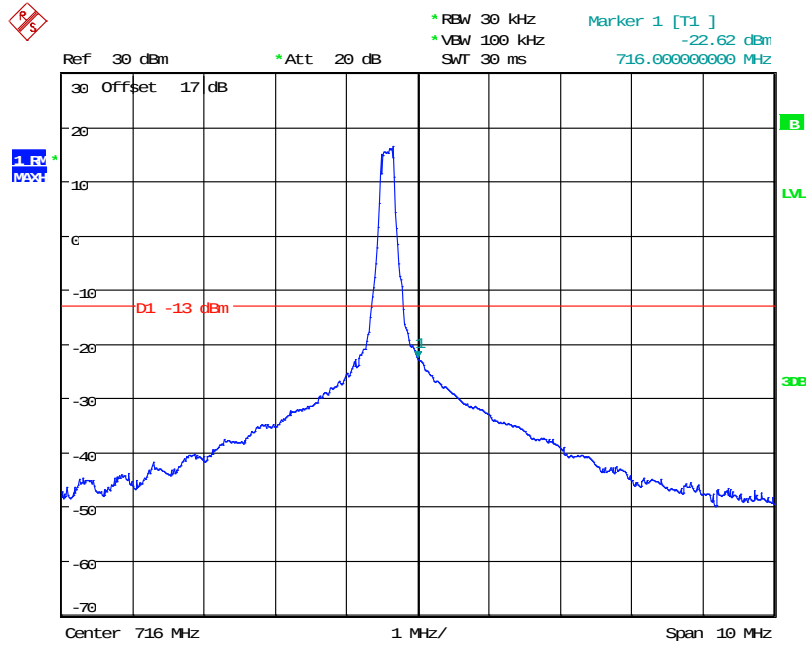


Date: 15.OCT.2024 15:23:26



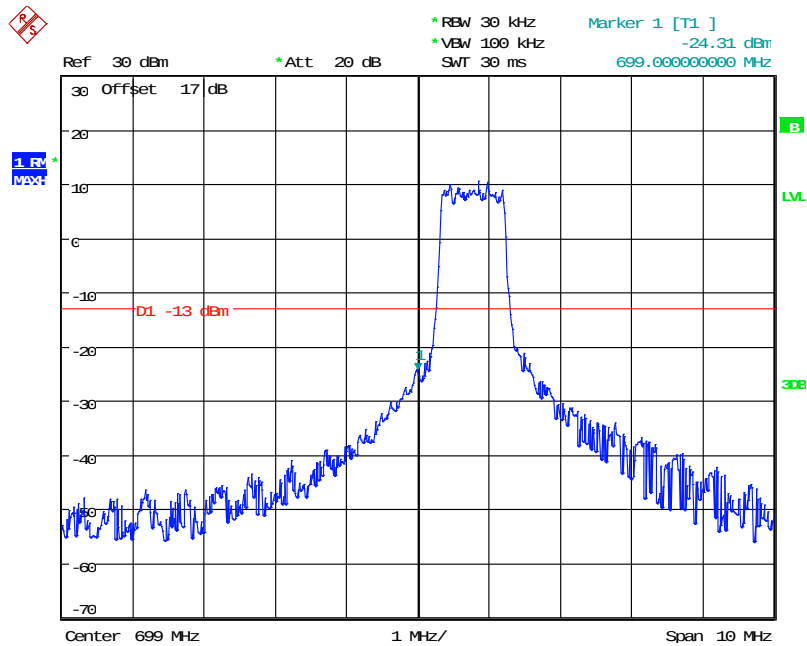
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

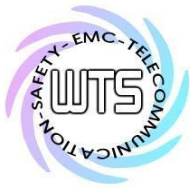


Date: 15.OCT.2024 15:28:03

FRB

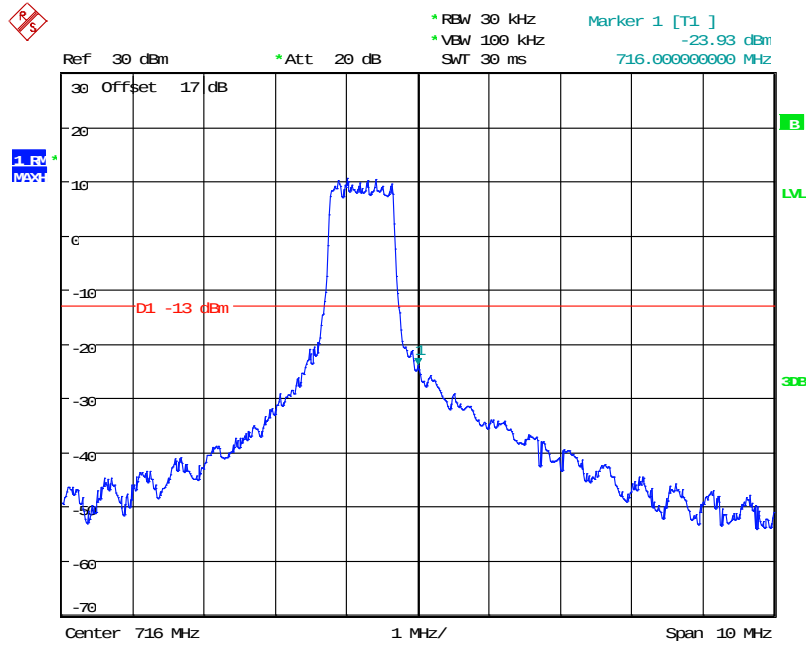


Date: 15.OCT.2024 15:24:04



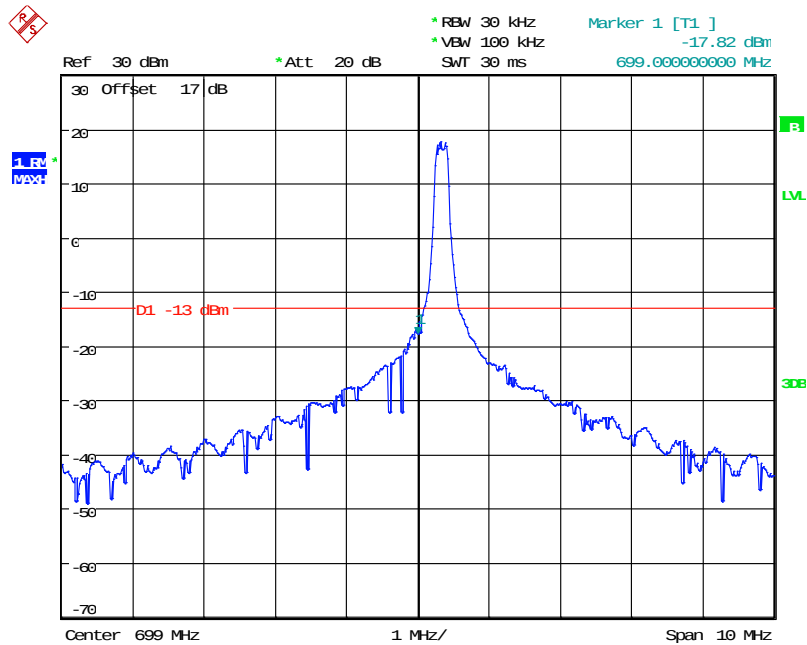
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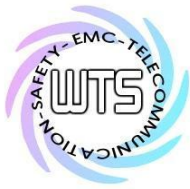


Date: 15.OCT.2024 15:26:02

5 MHz
QPSK
1RB

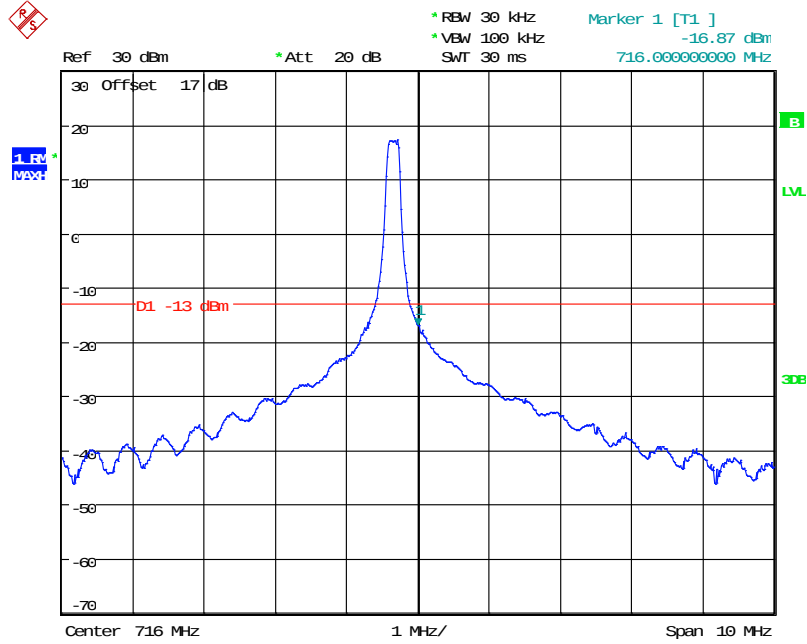


Date: 15.OCT.2024 14:44:38



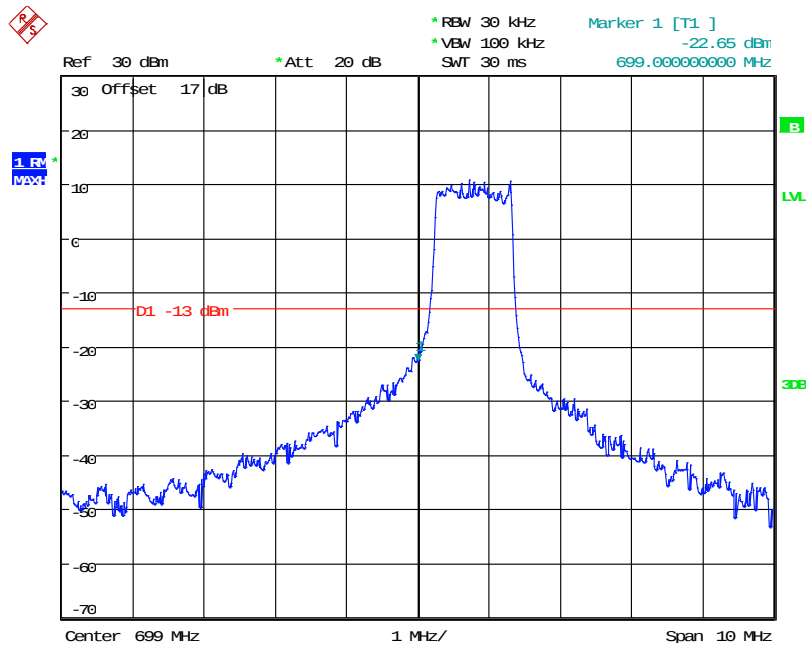
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FCC ID: 2BAJFSN-EB01

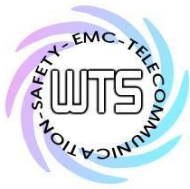


Date: 15.OCT.2024 14:51:26

FRB

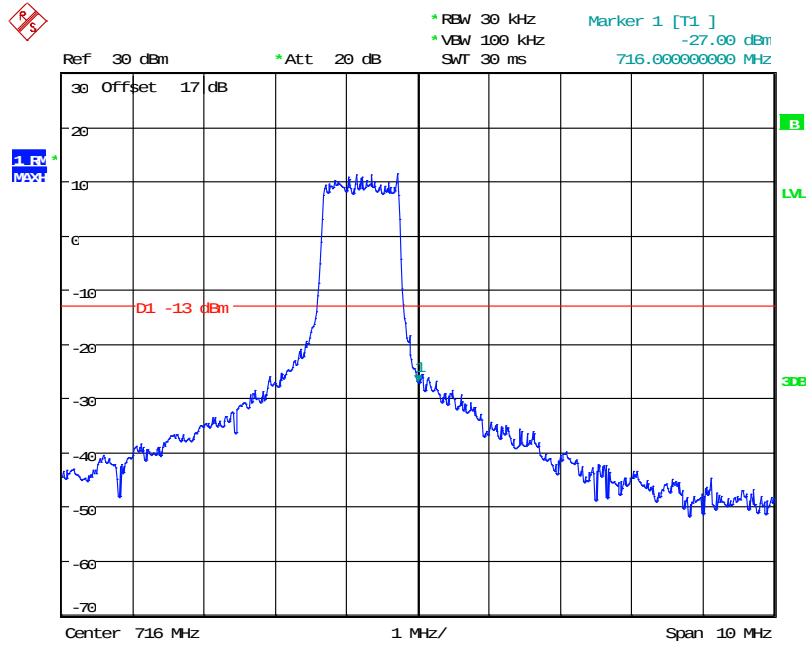


Date: 15.OCT.2024 14:43:36



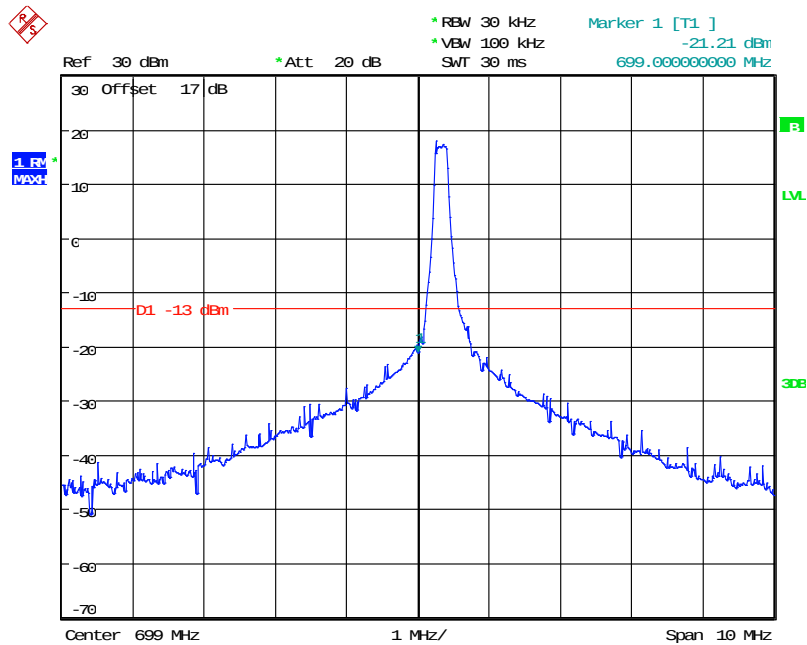
Registration number: W6M22409-23713-C-247

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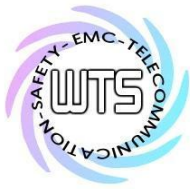


Date: 15.OCT.2024 14:52:23

16QAM
1RB

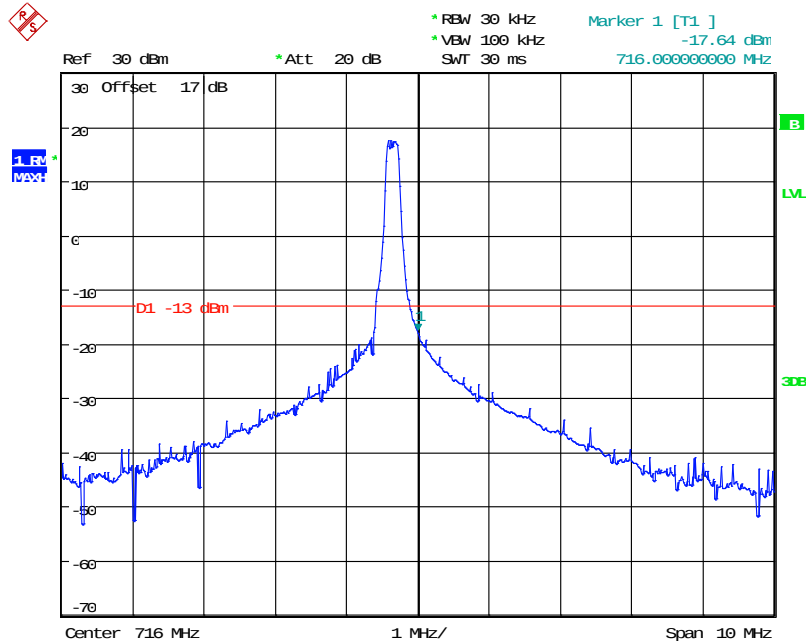


Date: 15.OCT.2024 14:46:01



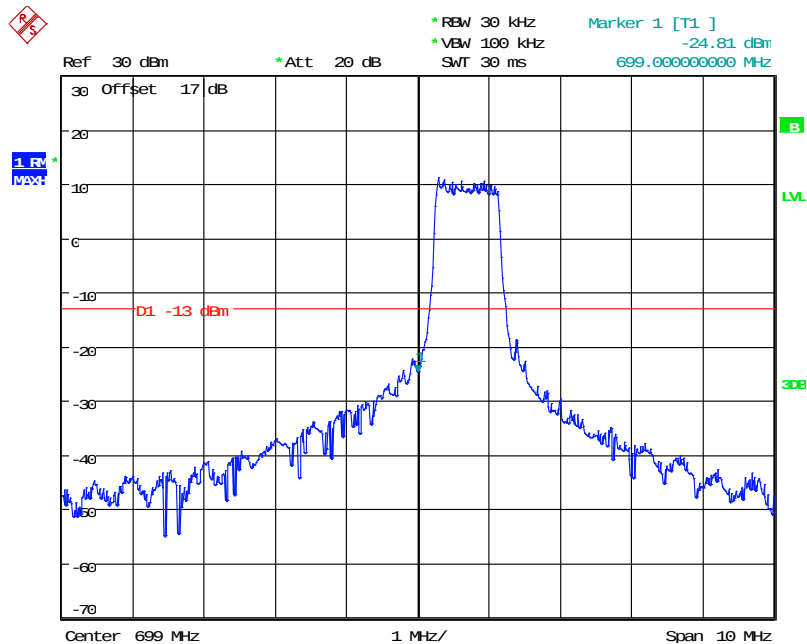
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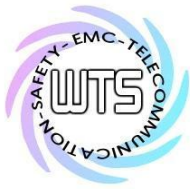


Date: 15.OCT.2024 14:49:44

FRB

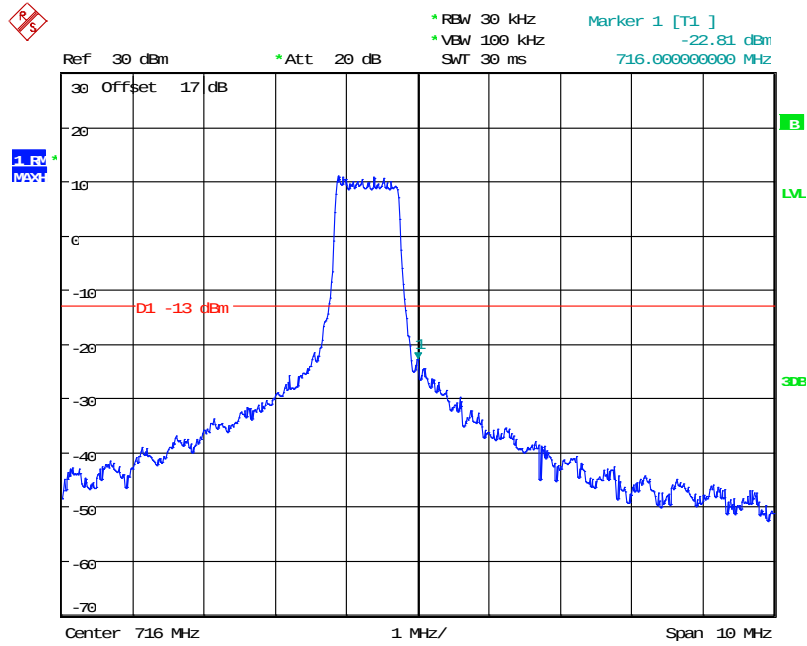


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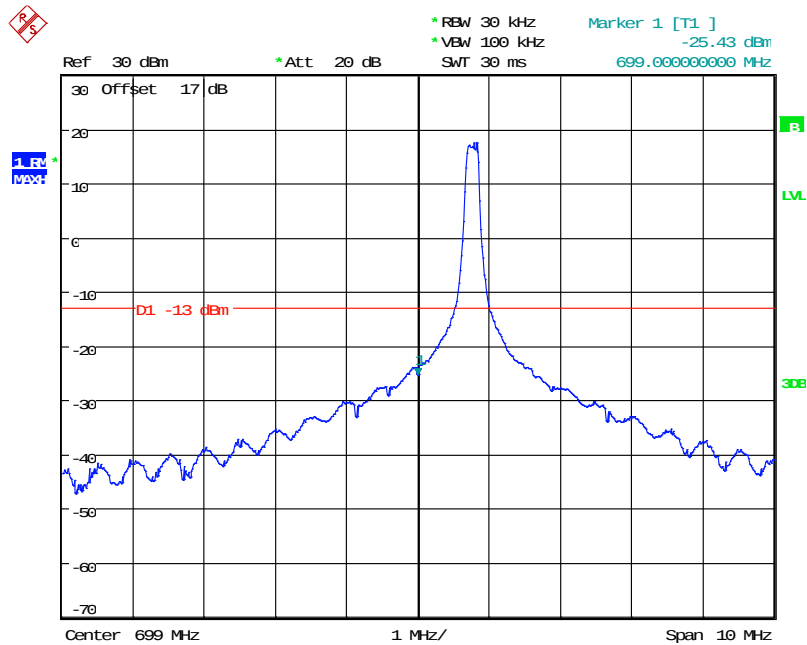
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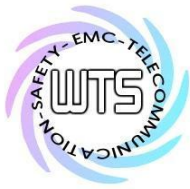


Date: 15.OCT.2024 14:48:37

10 MHz
QPSK
1RB

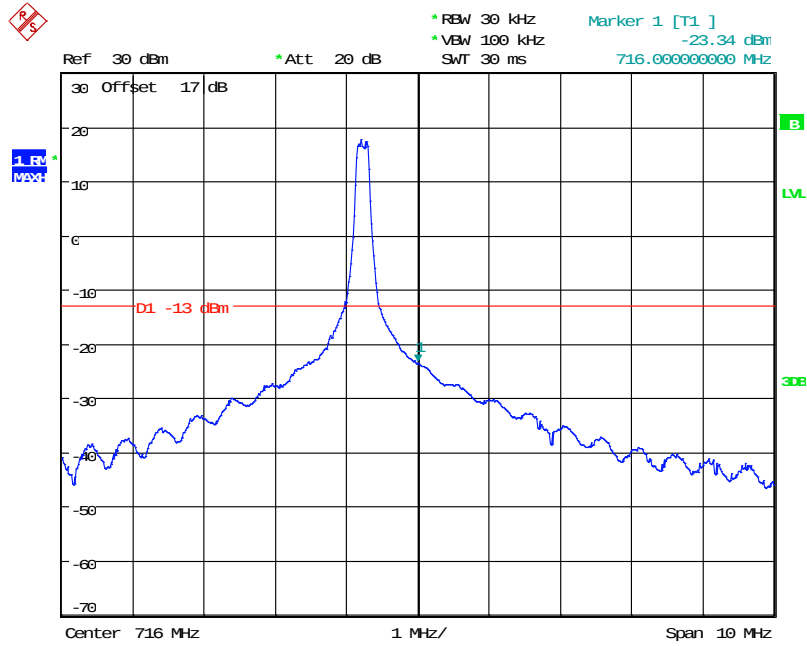


Date: 15.OCT.2024 15:09:08



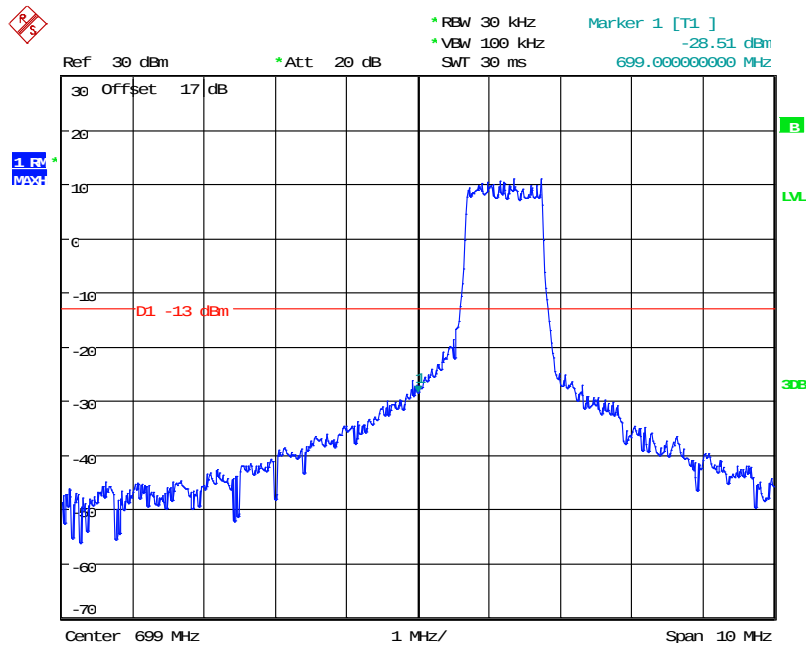
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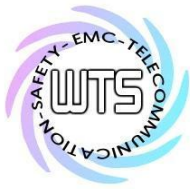


Date: 15.OCT.2024 14:59:27

FRB

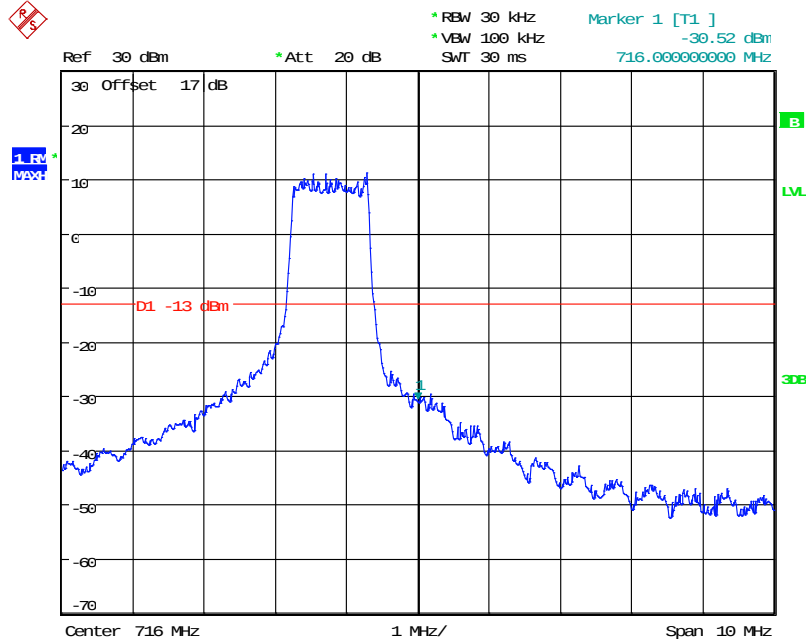


Date: 15.OCT.2024 15:10:16



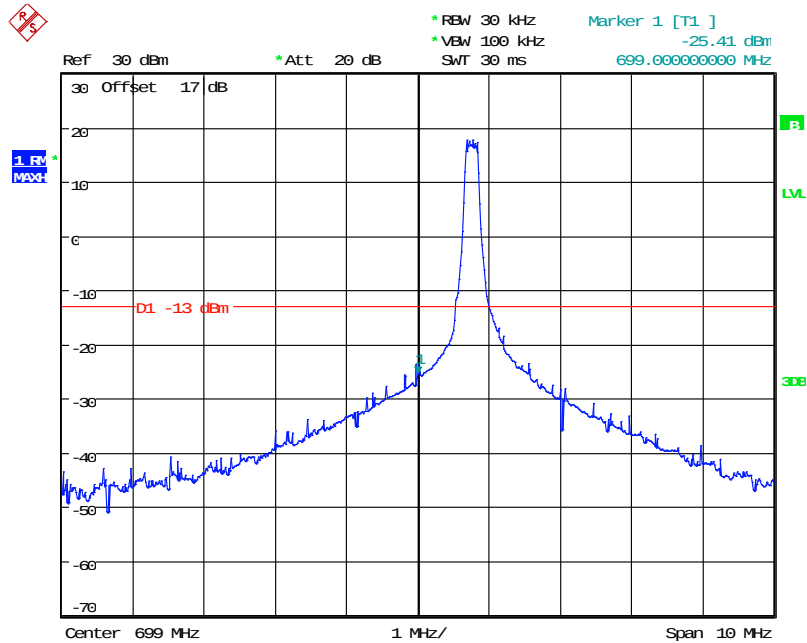
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

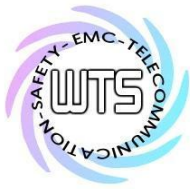


Date: 15.OCT.2024 14:57:58

16QAM
1RB

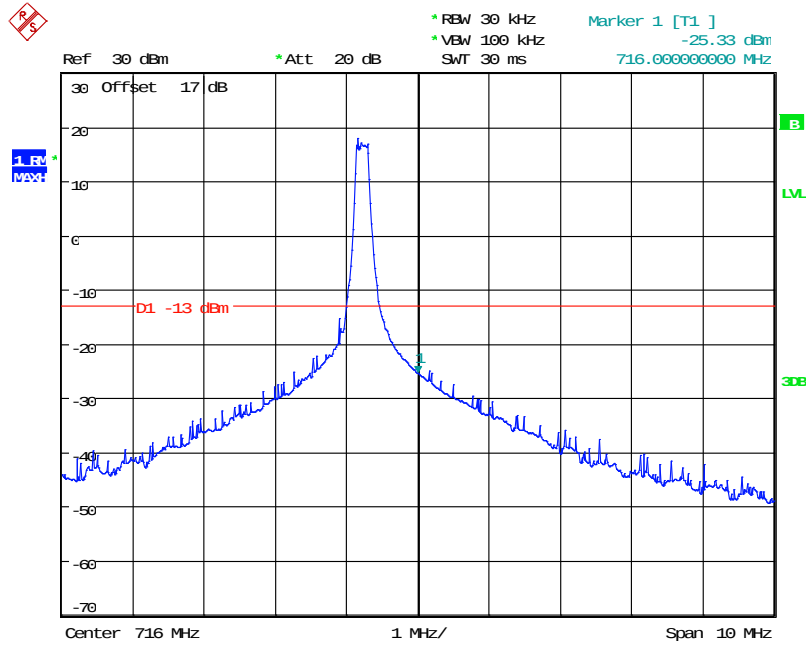


Date: 15.OCT.2024 15:06:46



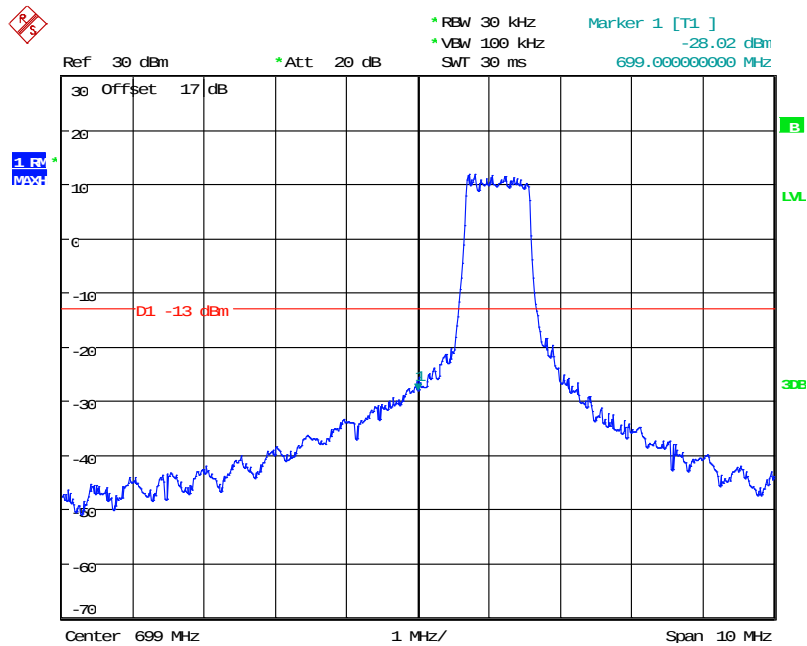
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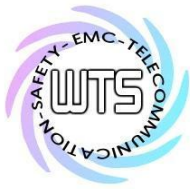


Date: 15.OCT.2024 15:00:49

FRB

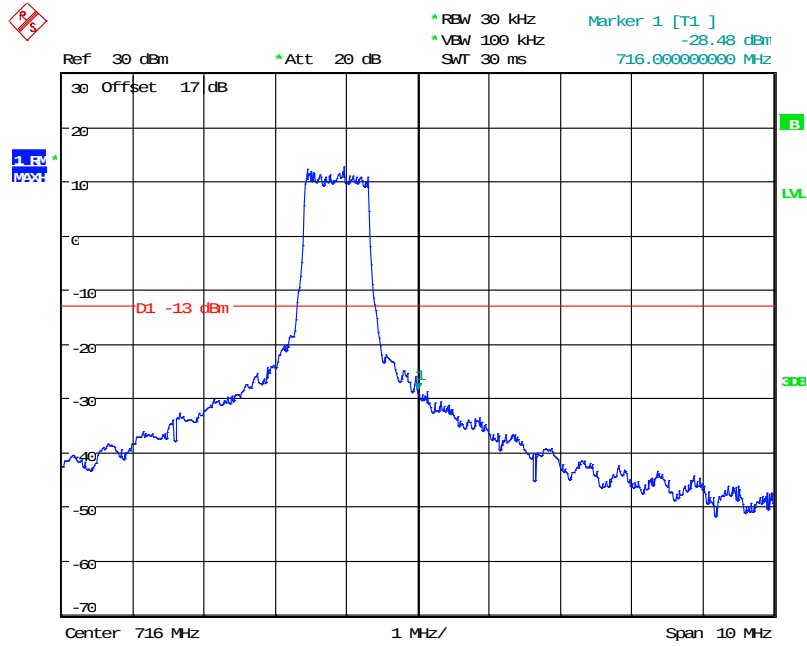


Date: 15.OCT.2024 15:04:56



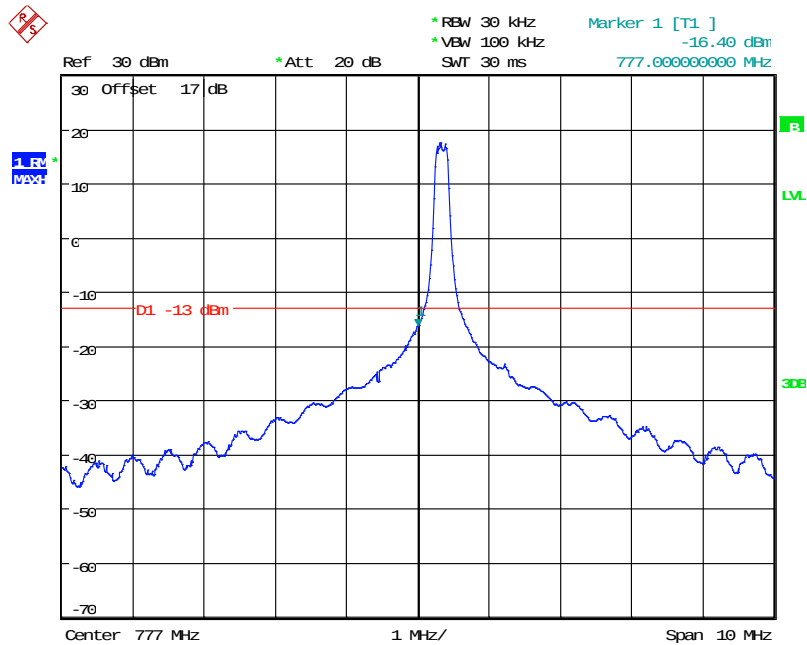
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01



Date: 15.OCT.2024 15:02:06

Band 13
5 MHz
QPSK
1RB



Date: 15.OCT.2024 14:18:10



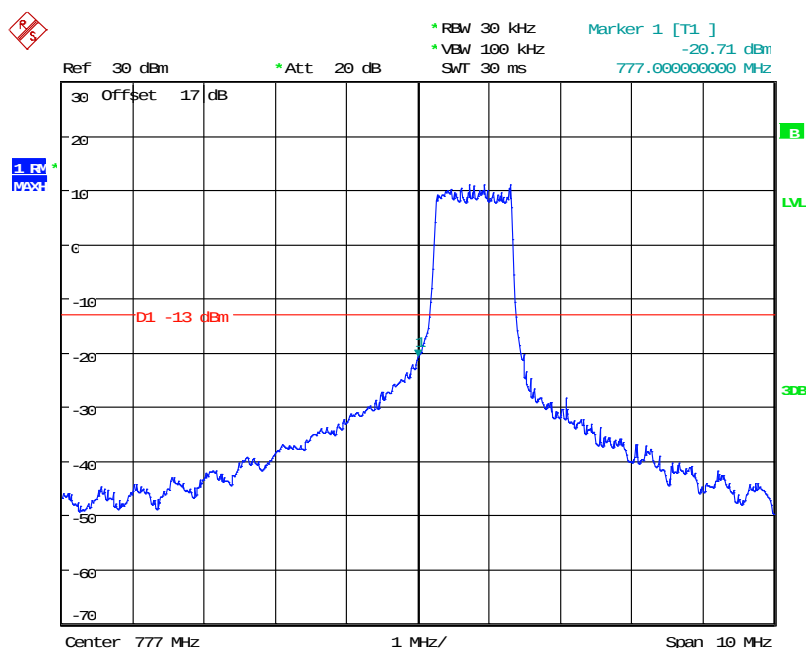
Ref 30 dBm *Att 20 dB *RBW 30 kHz *VBW 100 kHz SWT 30 ms Marker 1 [T1] -17.42 dBm 787.00000000 MHz

30 Offset 17 dB

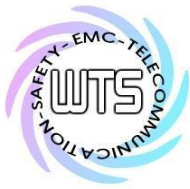
D1 -13 dBm

Center 787 MHz 1 MHz/ Span 10 MHz

FRB

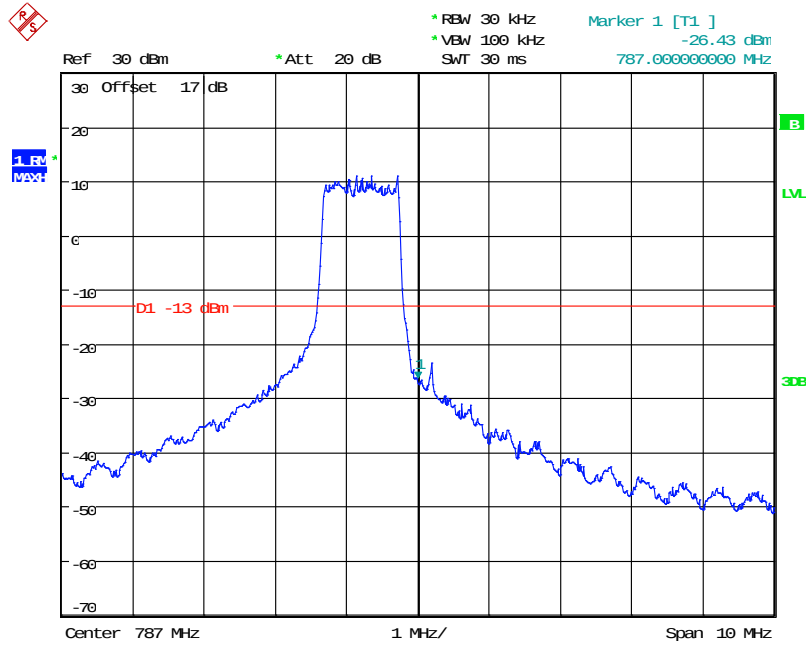


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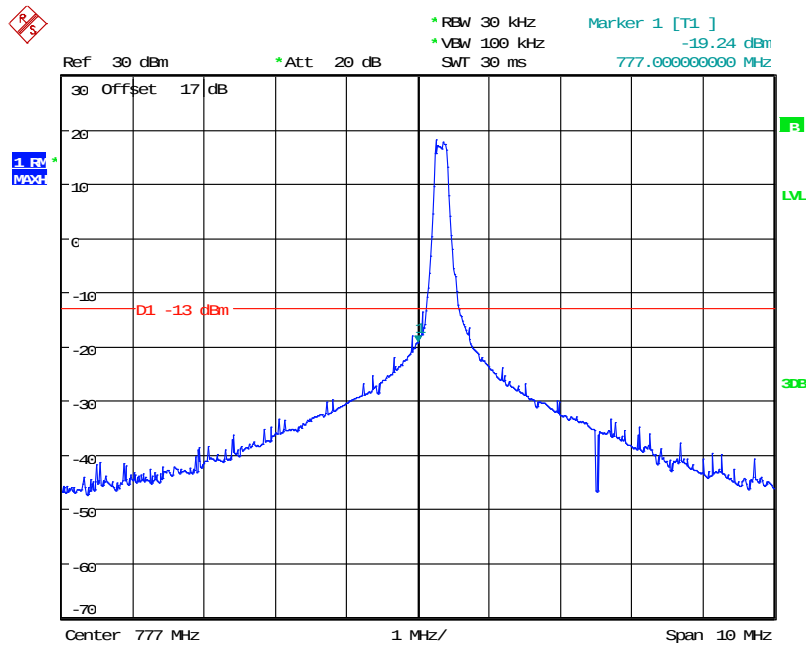
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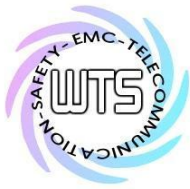


Date: 15.OCT.2024 14:09:37

16QAM
1RB

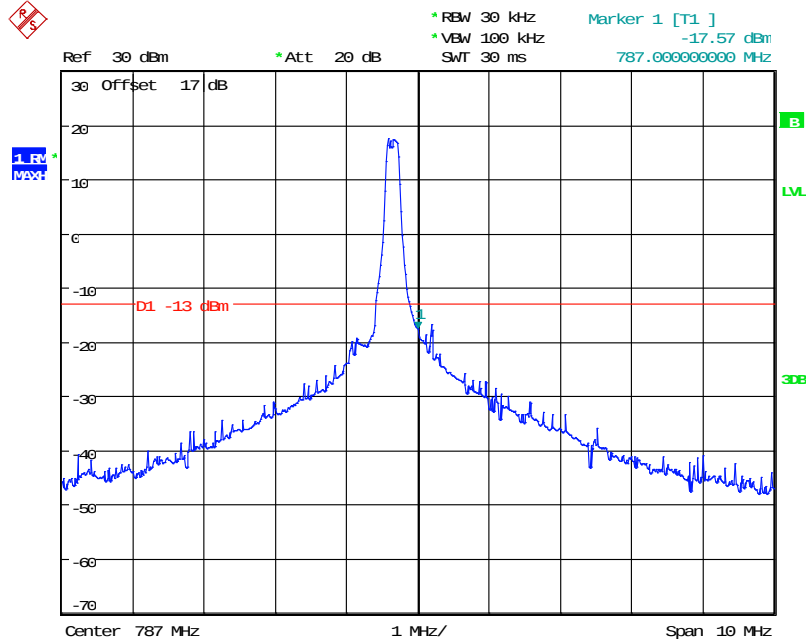


Date: 15.OCT.2024 14:16:04



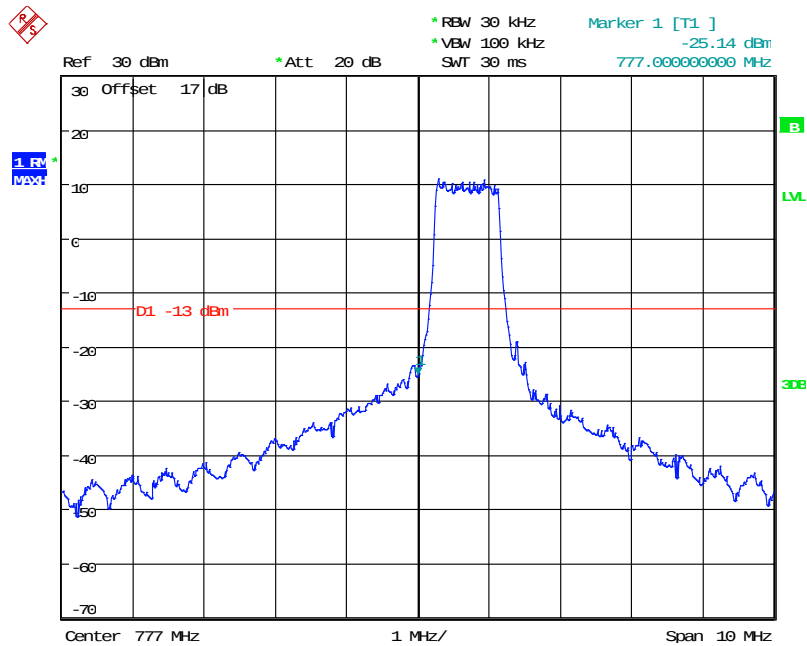
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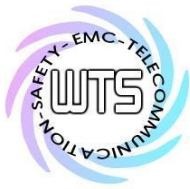


Date: 15.OCT.2024 14:12:20

FRB

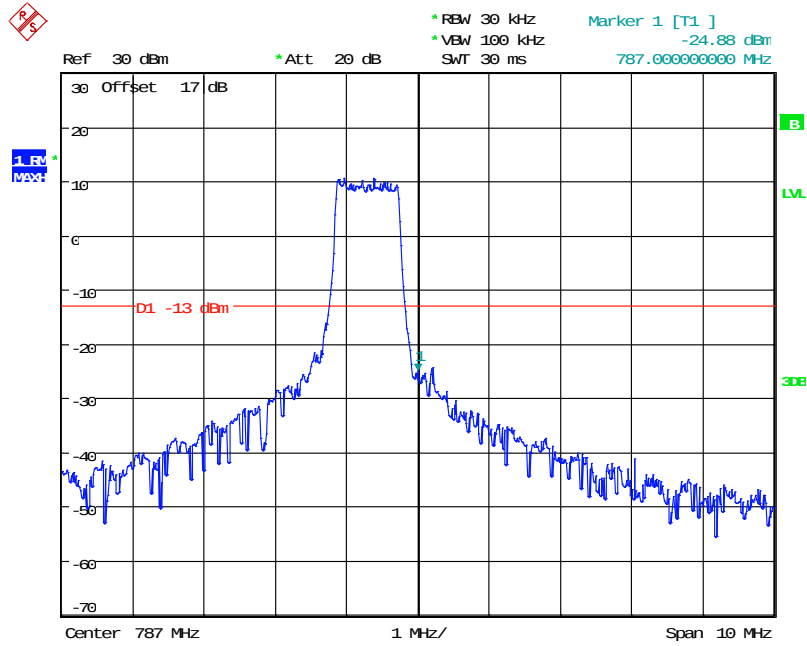


Date: 15.OCT.2024 14:14:55



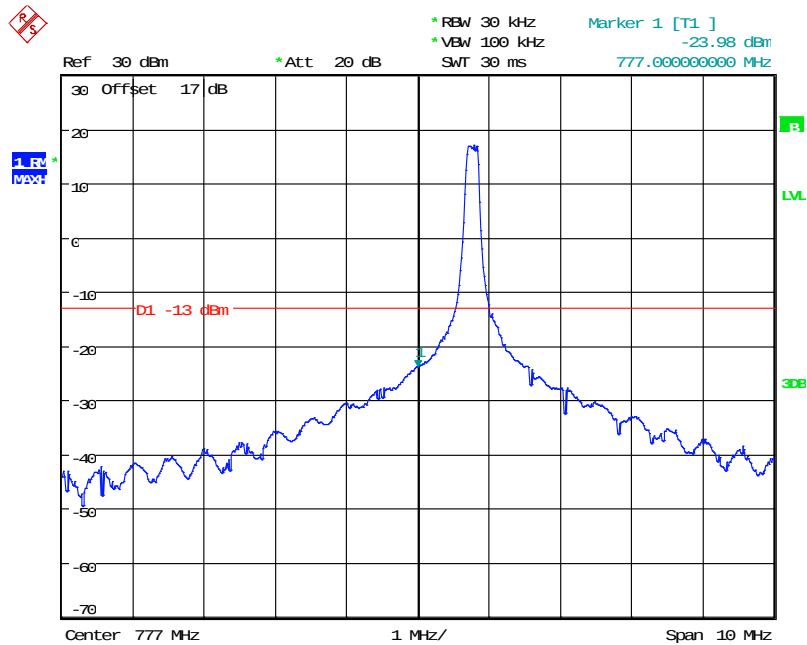
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FCC ID: 2BAJFSN-EB01

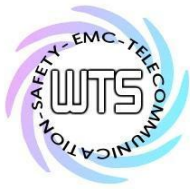


Date: 15.OCT.2024 14:13:10

10 MHz
QPSK
1RB

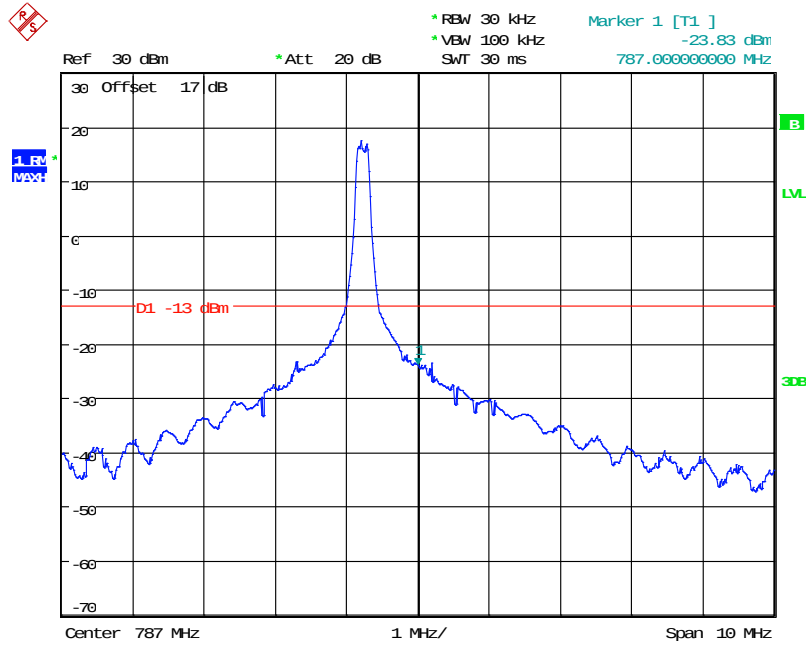


Date: 14.OCT.2024 21:35:55



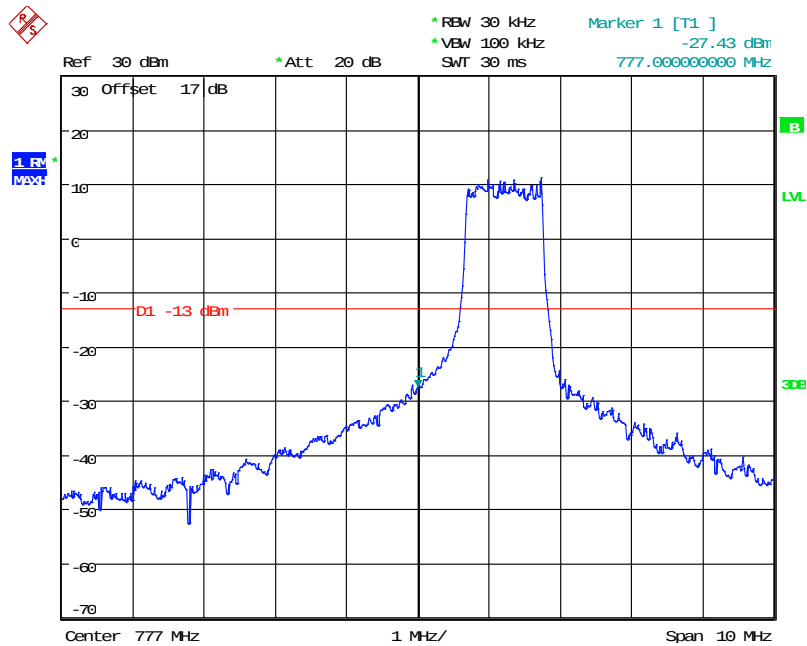
Registration number: W6M22409-23713-C-247

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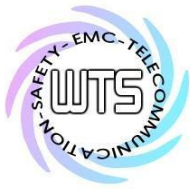


Date: 14.OCT.2024 21:43:35

FRB

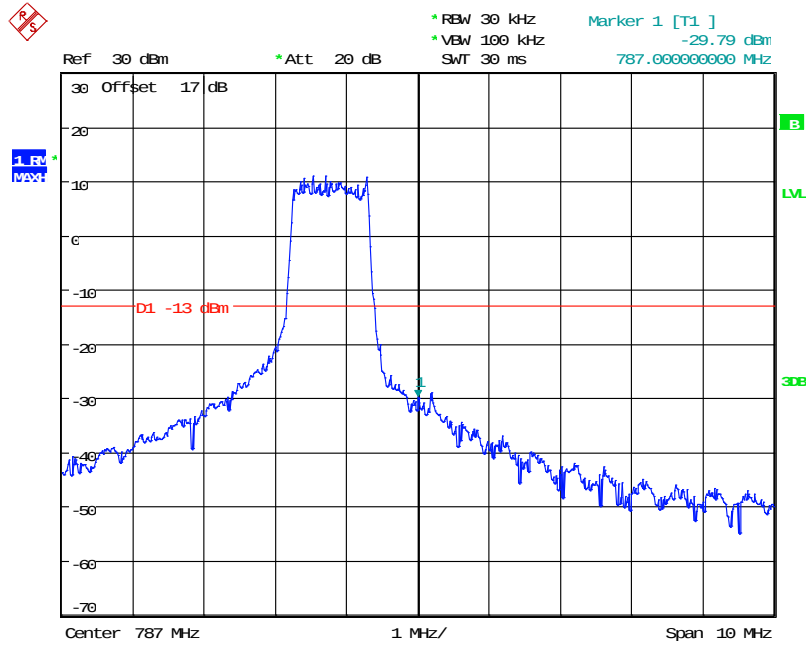


Date: 14.OCT.2024 21:34:44



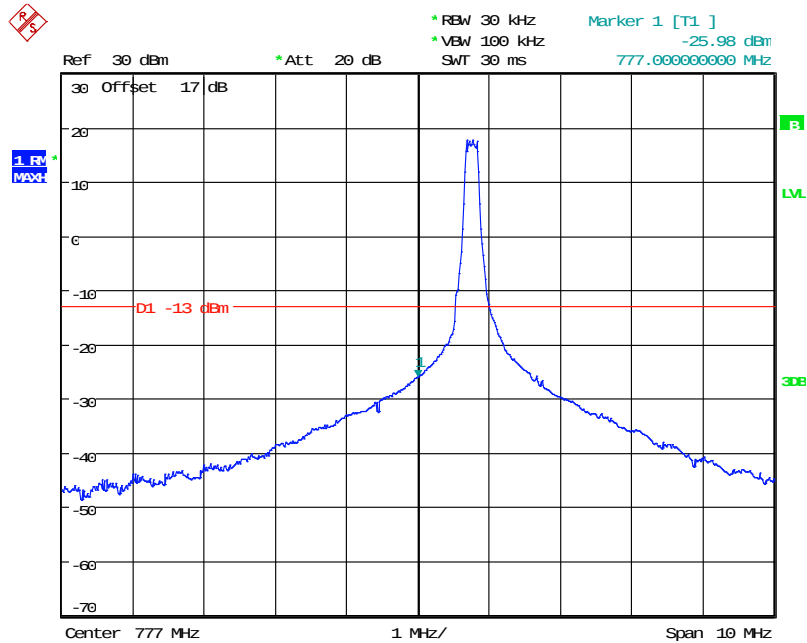
Registration number: W6M22409-23713-C-247

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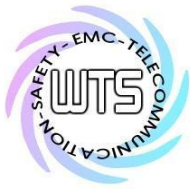


Date: 14.OCT.2024 21:44:37

16QAM
1RB

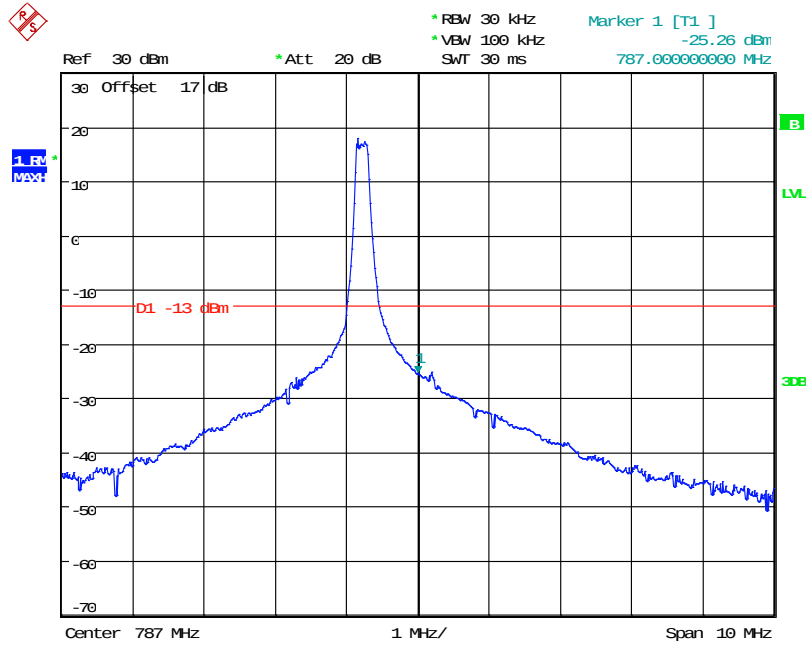


Date: 14.OCT.2024 21:37:26



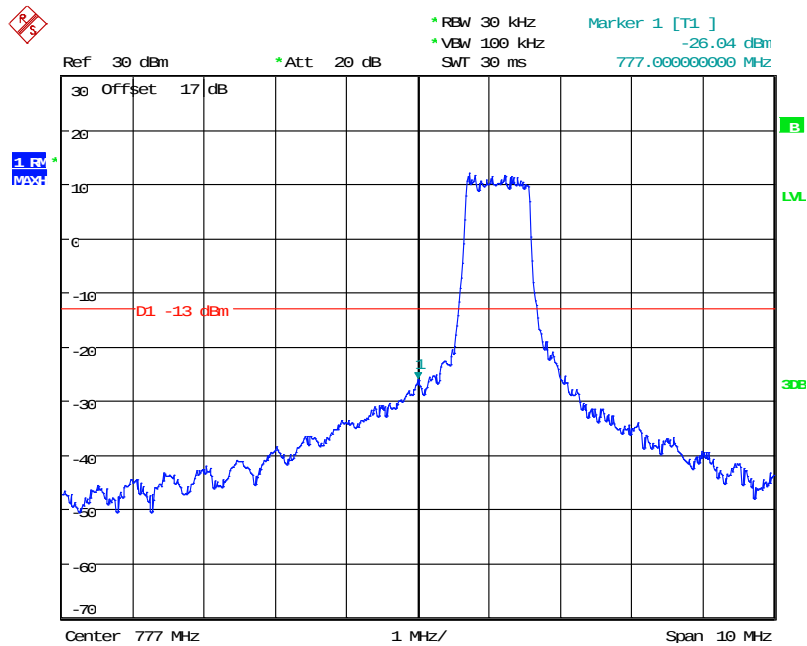
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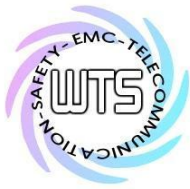


Date: 14.OCT.2024 21:42:06

FRB

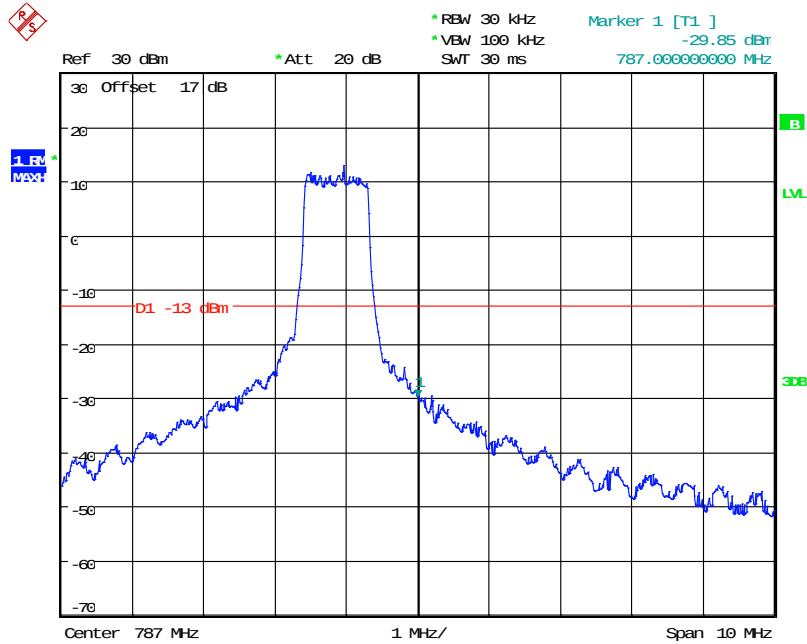


Date: 14.OCT.2024 21:38:39



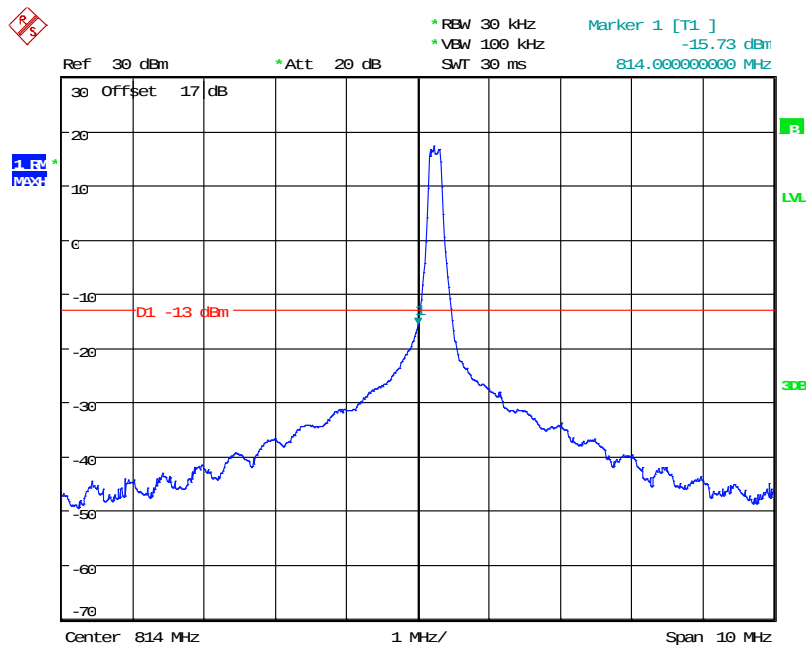
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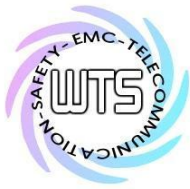


Date: 14.OCT.2024 21:40:29

Band 26
1.4 MHz
QPSK
1RB

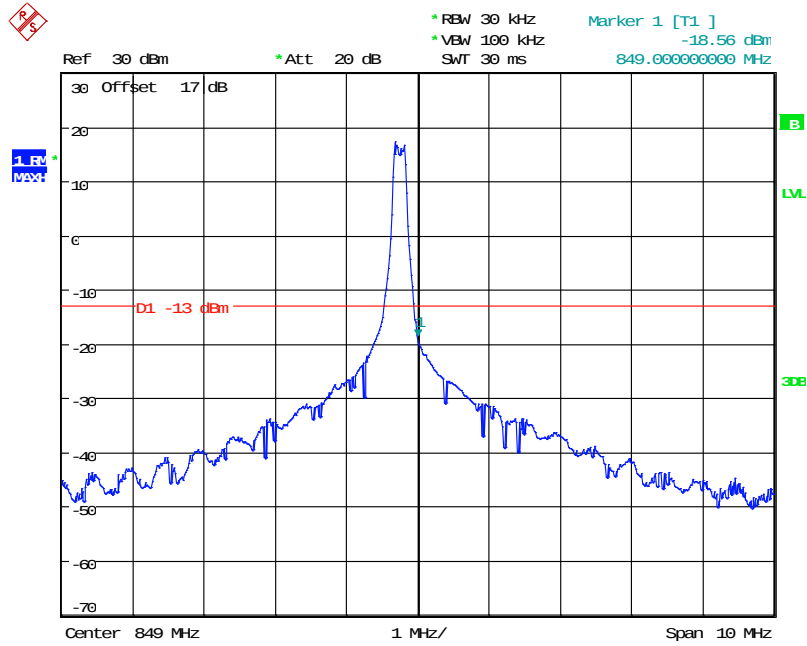


Date: 14.OCT.2024 21:27:54



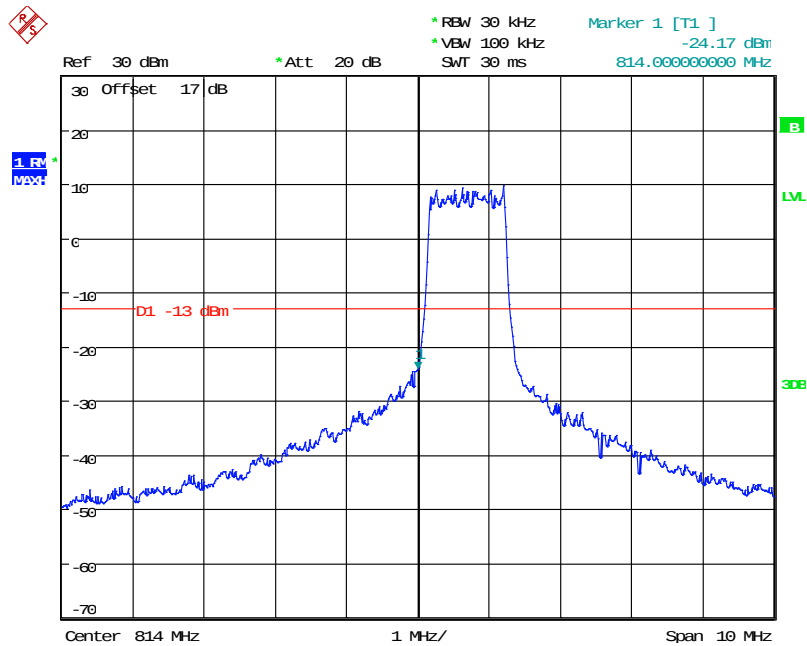
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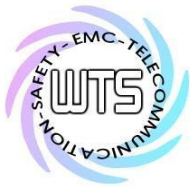


Date: 14.OCT.2024 21:20:26

FRB

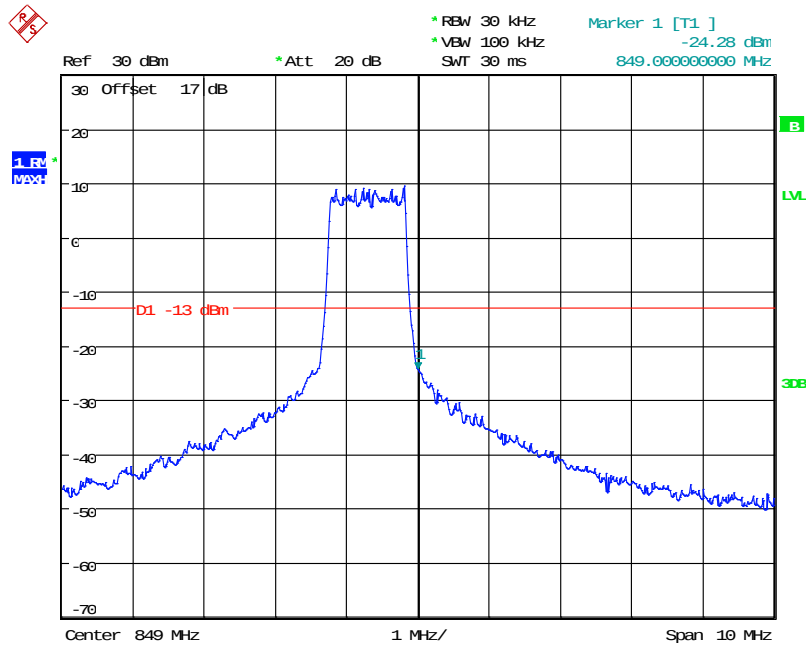


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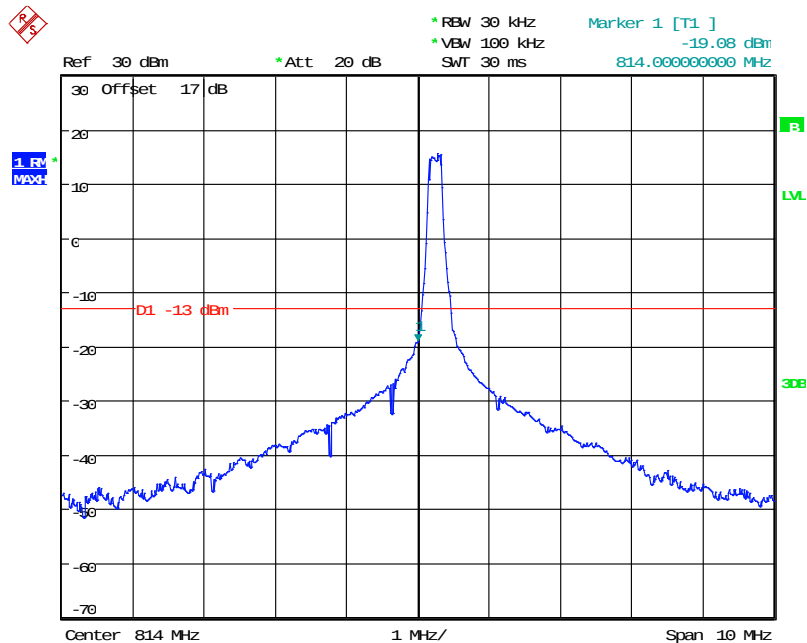
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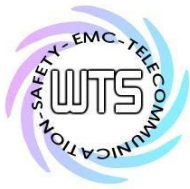


Date: 14.OCT.2024 21:19:02

16QAM
1RB

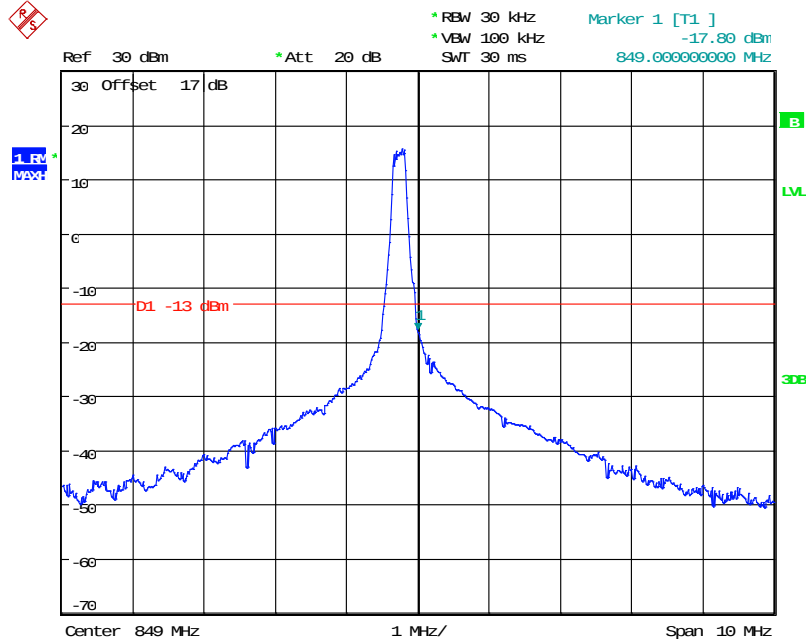


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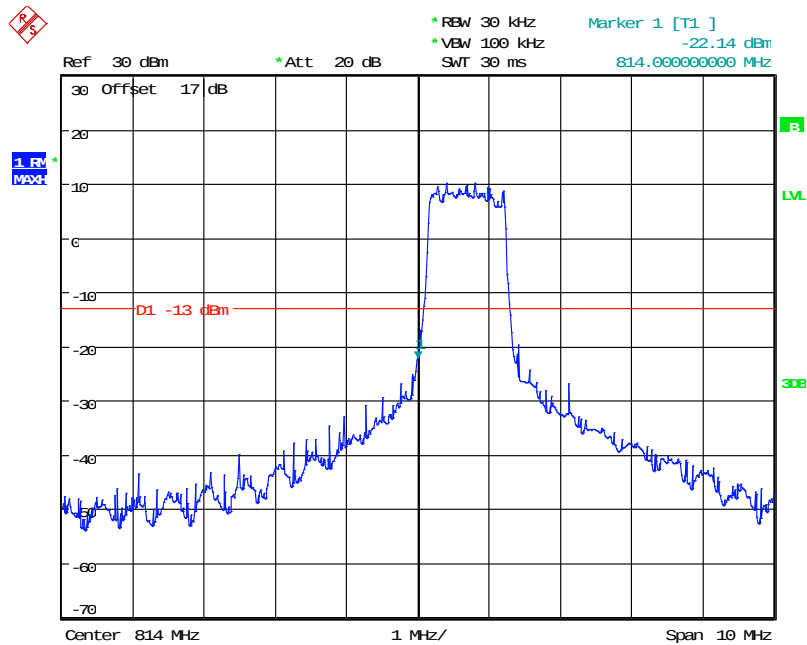
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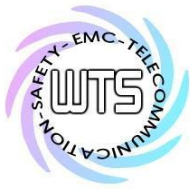


Date: 14.OCT.2024 21:22:09

FRB

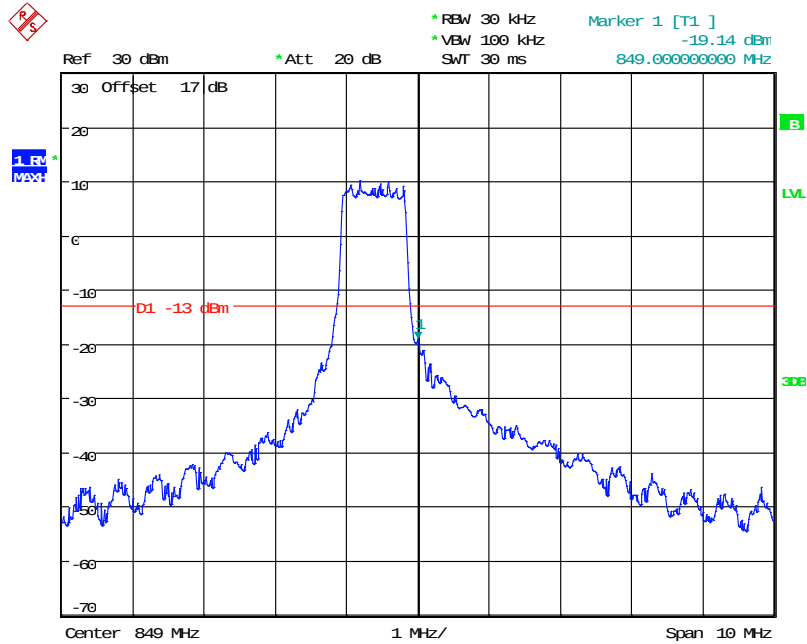


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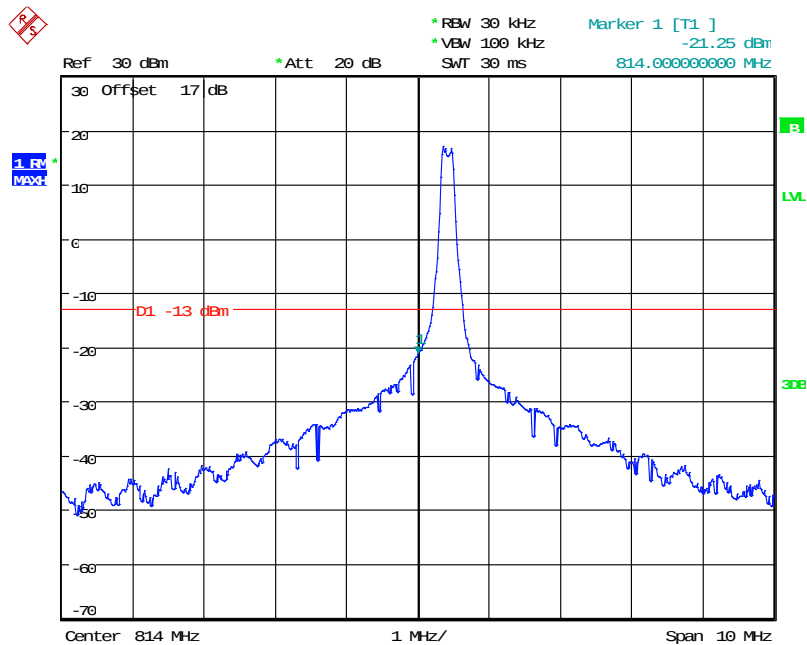
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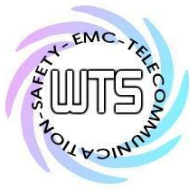


Date: 14.OCT.2024 21:23:35

3 MHz
QPSK
1RB

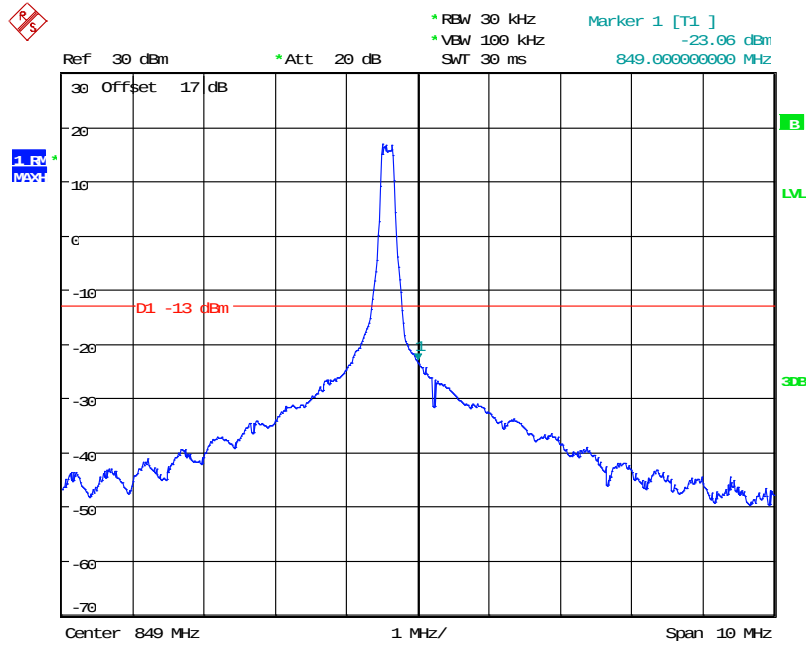


Date: 14.OCT.2024 20:51:15



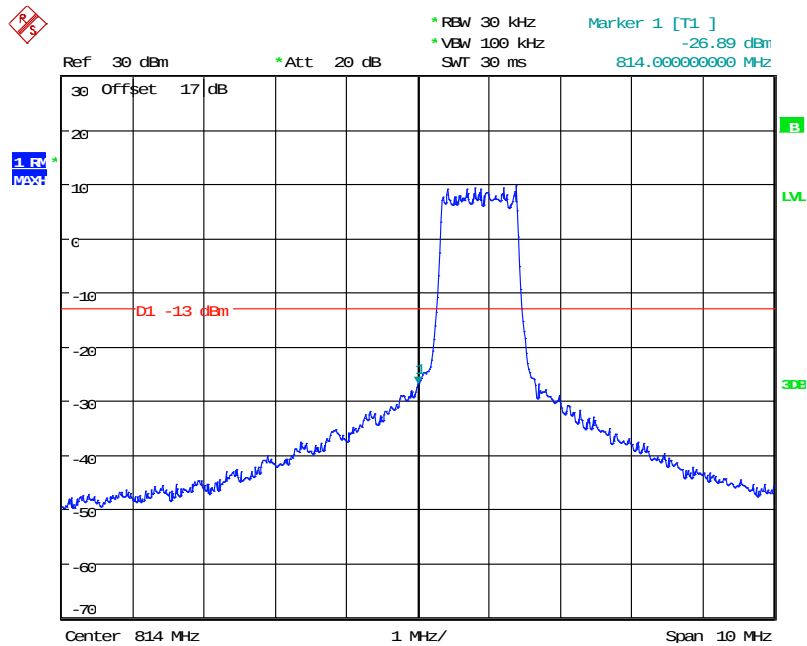
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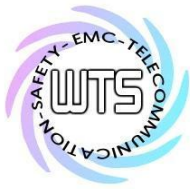


Date: 14.OCT.2024 20:58:37

FRB

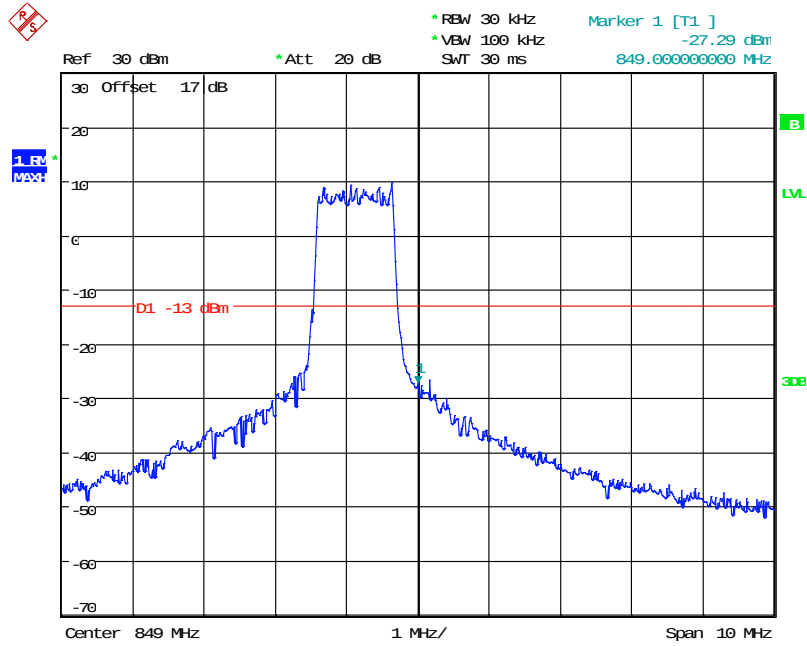


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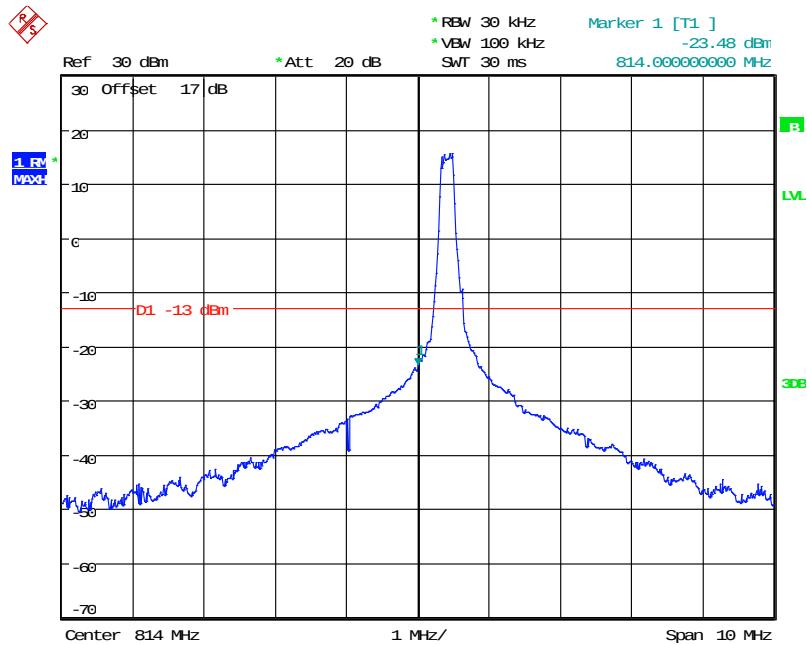
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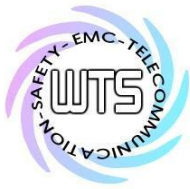


Date: 14.OCT.2024 20:59:27

16QAM
1RB

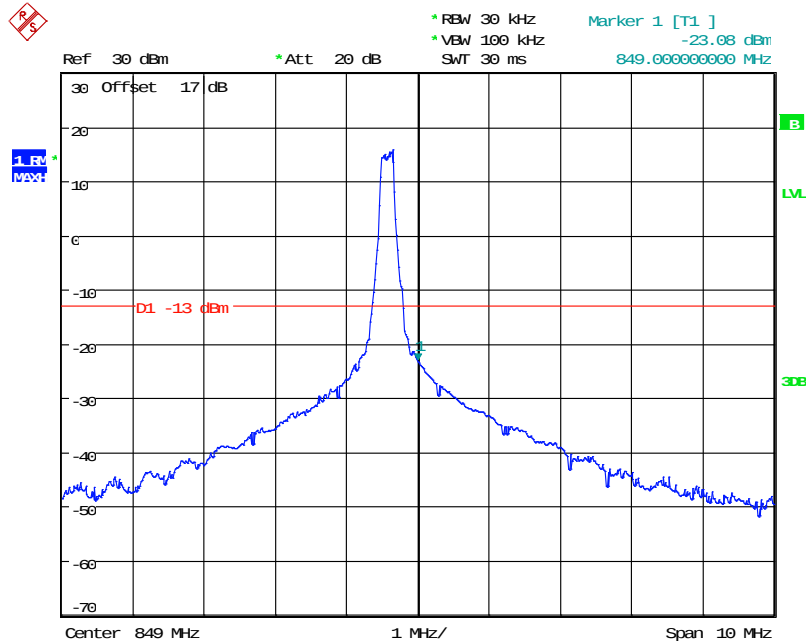


Date: 14.OCT.2024 20:52:13



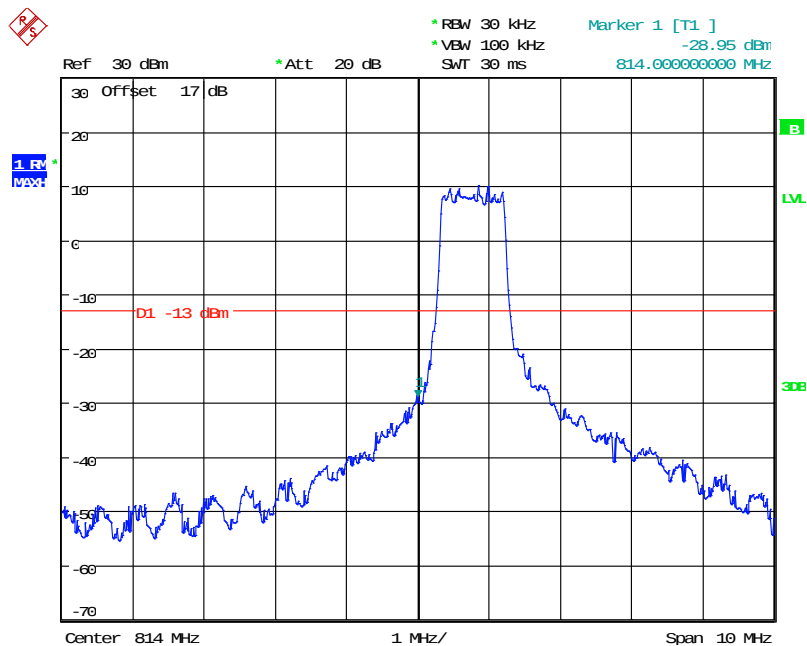
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

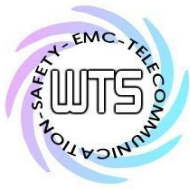


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FRB

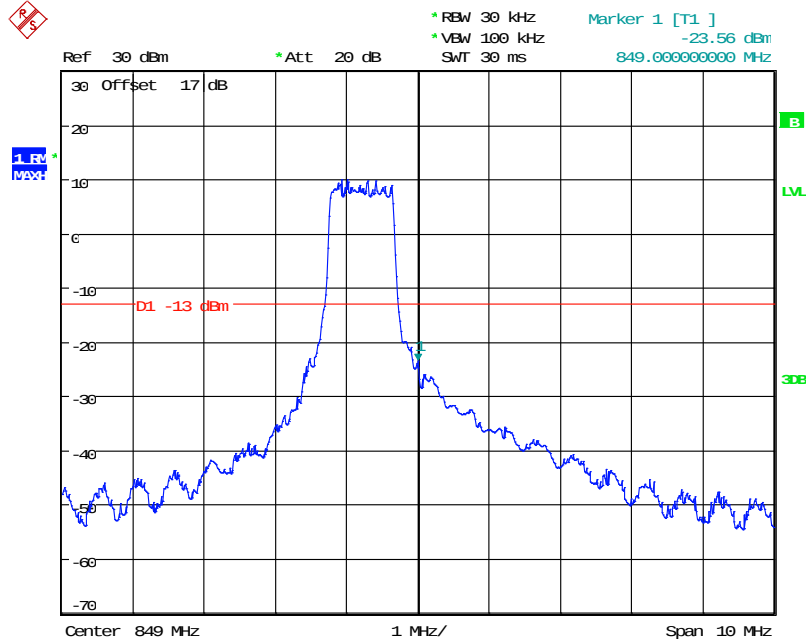


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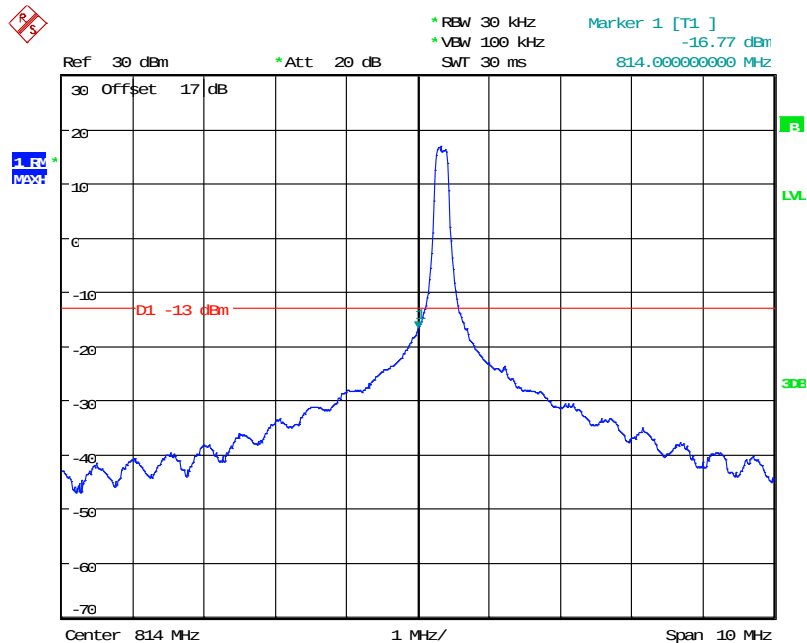
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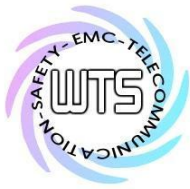


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5 MHz
QPSK
1RB

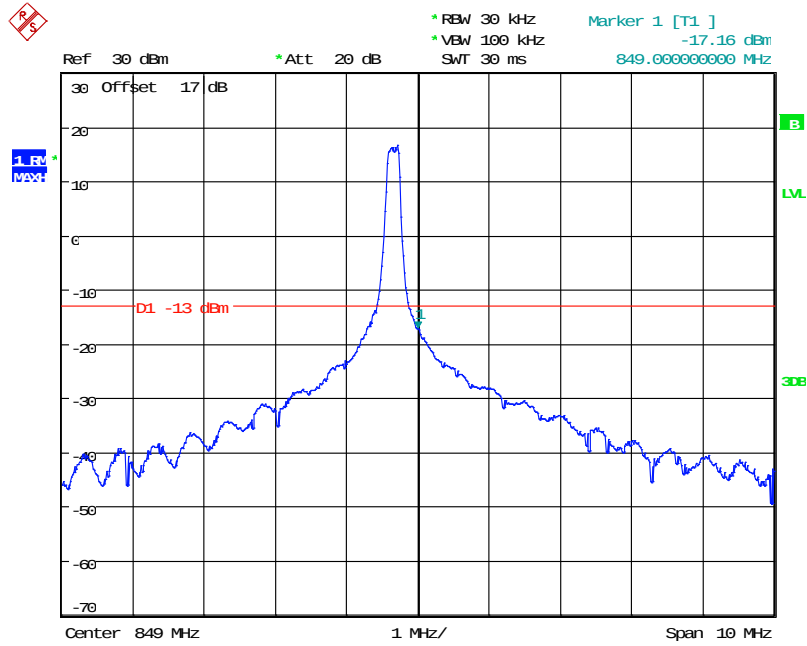


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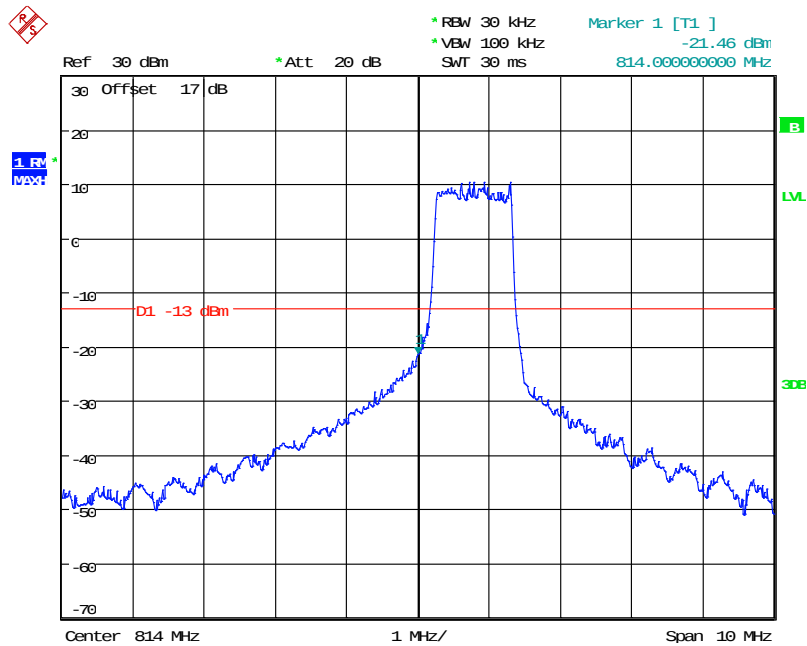
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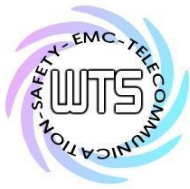


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FRB

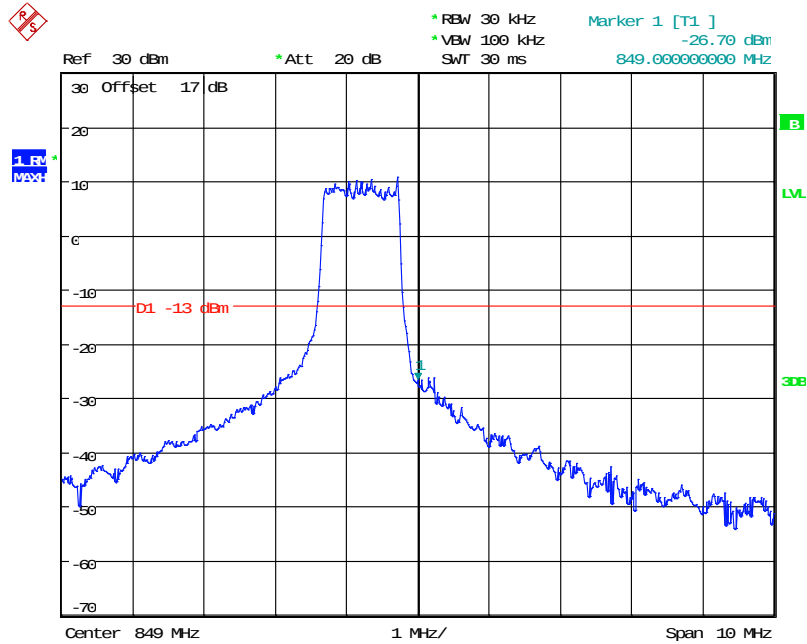


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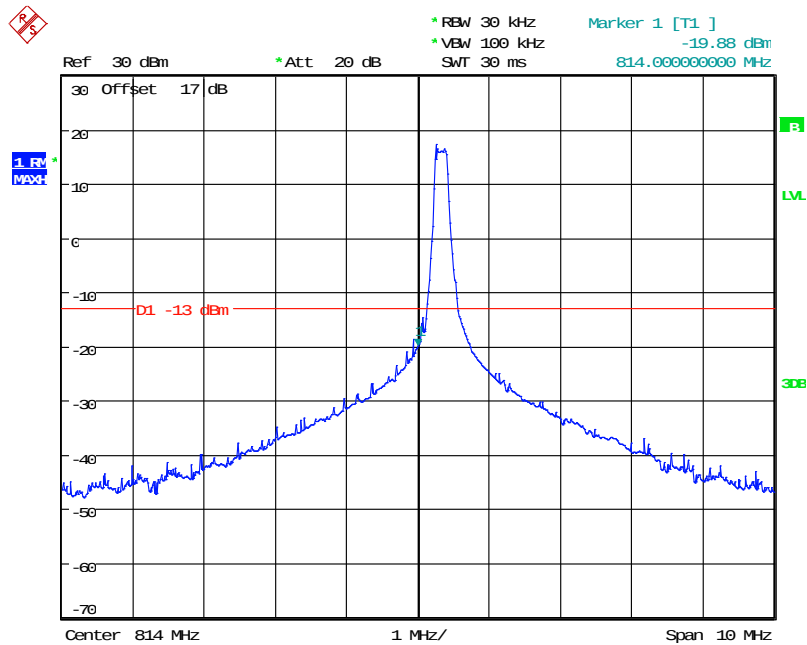
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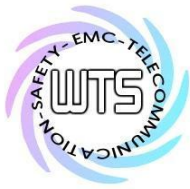


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16QAM
1RB

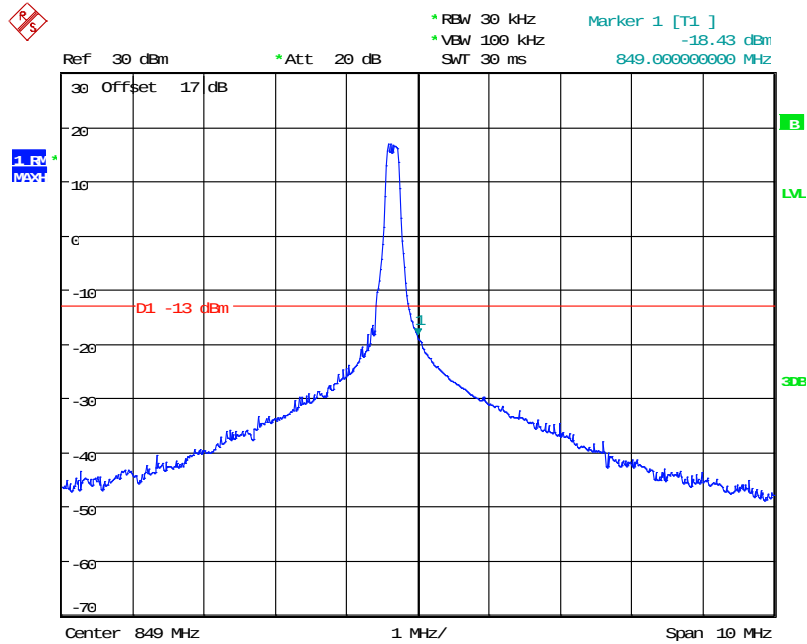


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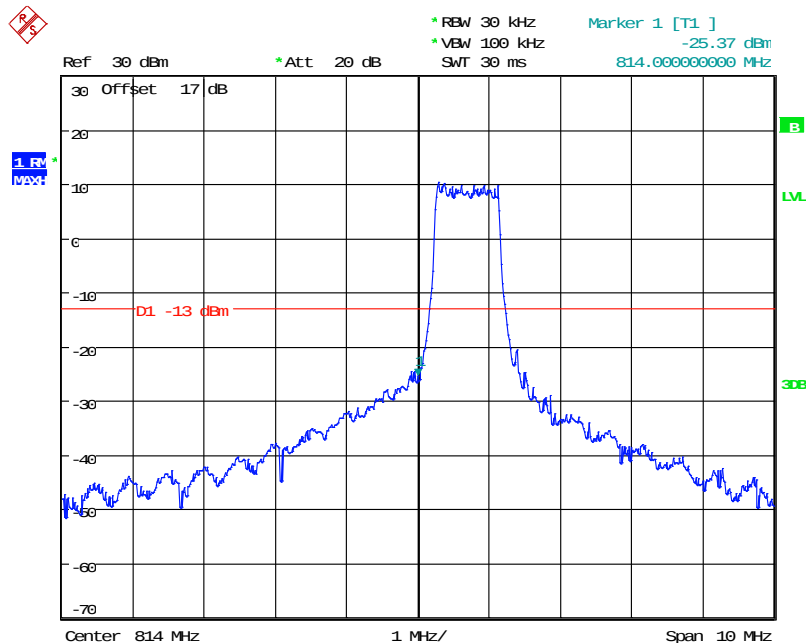
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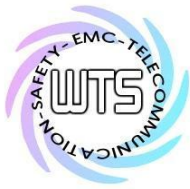


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FRB

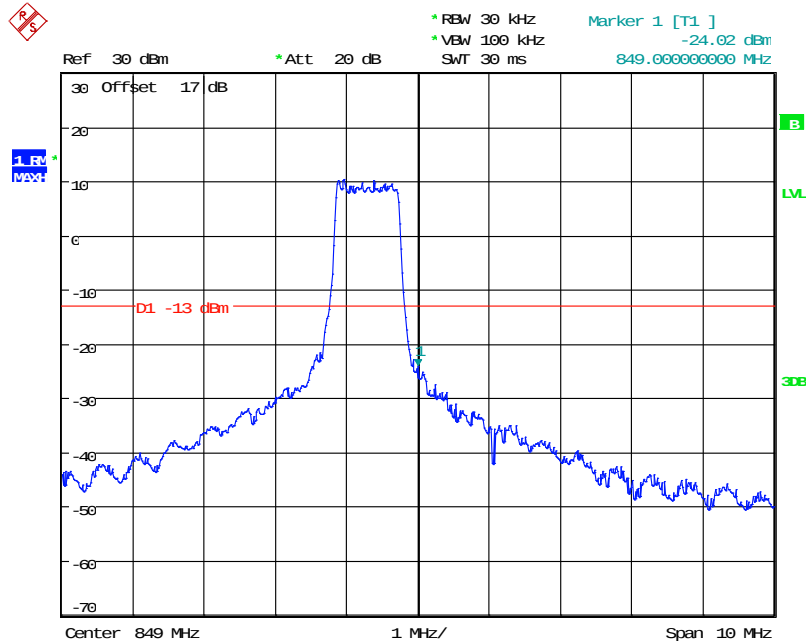


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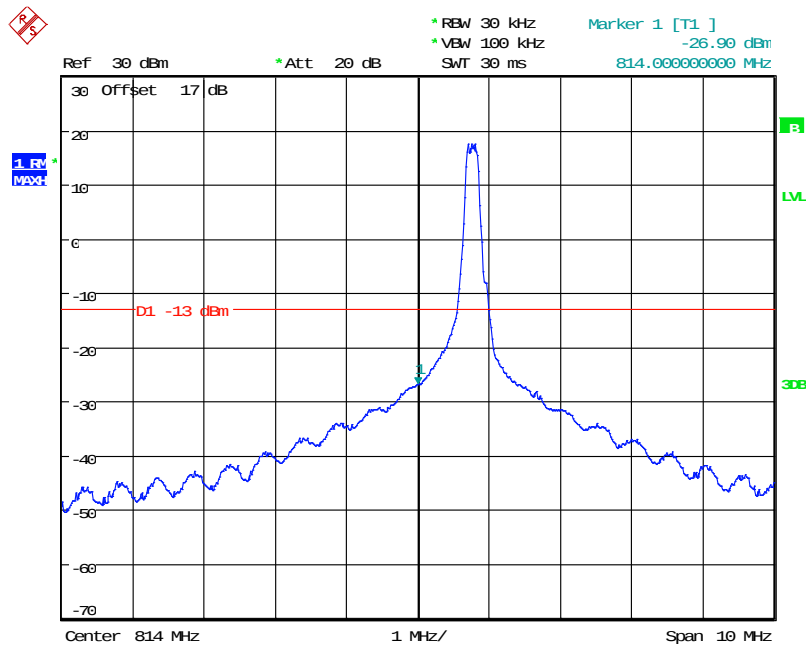
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FCC ID: 2BAJFSN-EB01

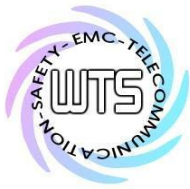


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10 MHz
QPSK
1RB

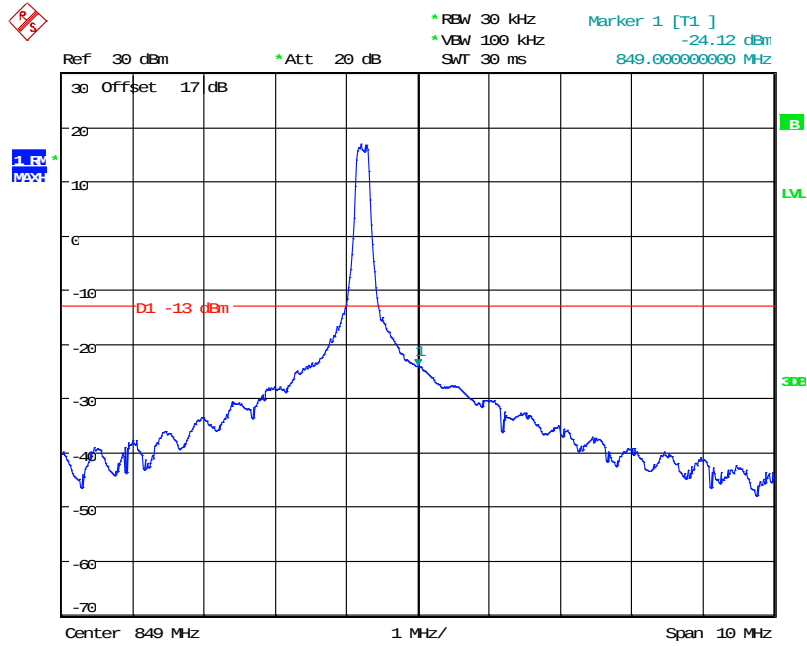


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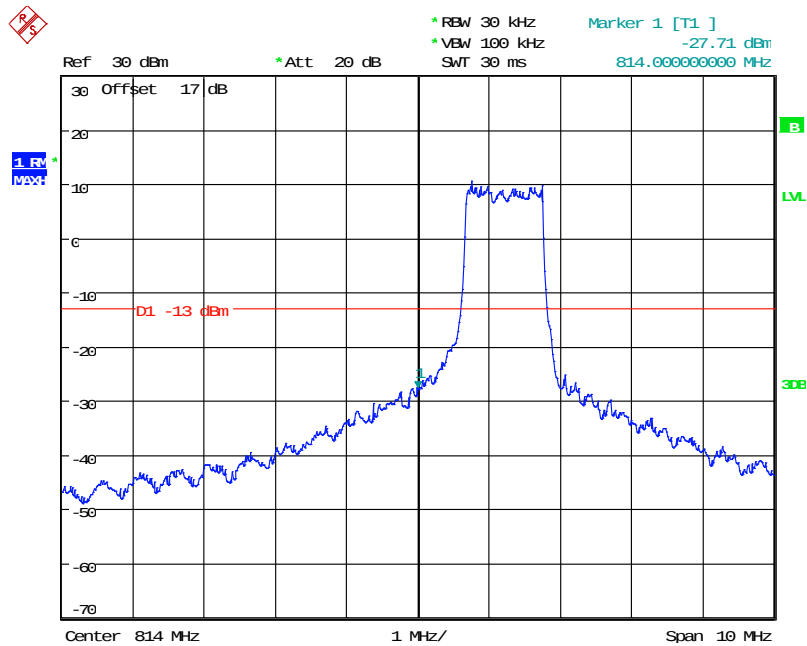
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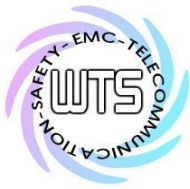


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FRB

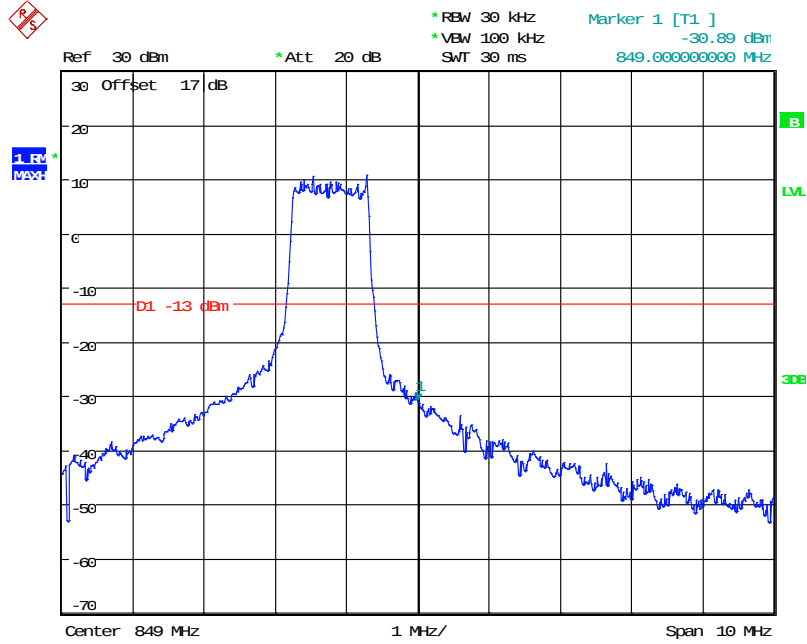


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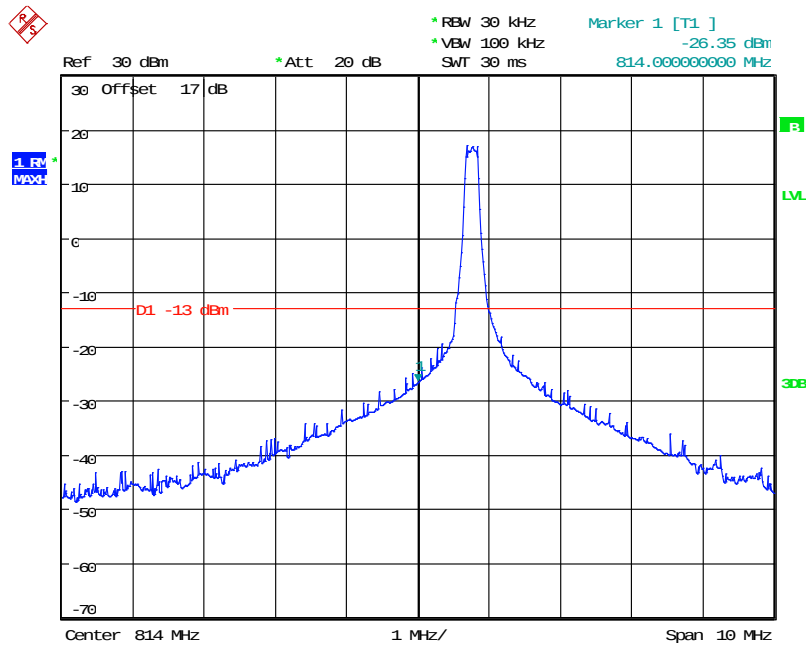
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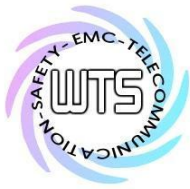


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16QAM
1RB

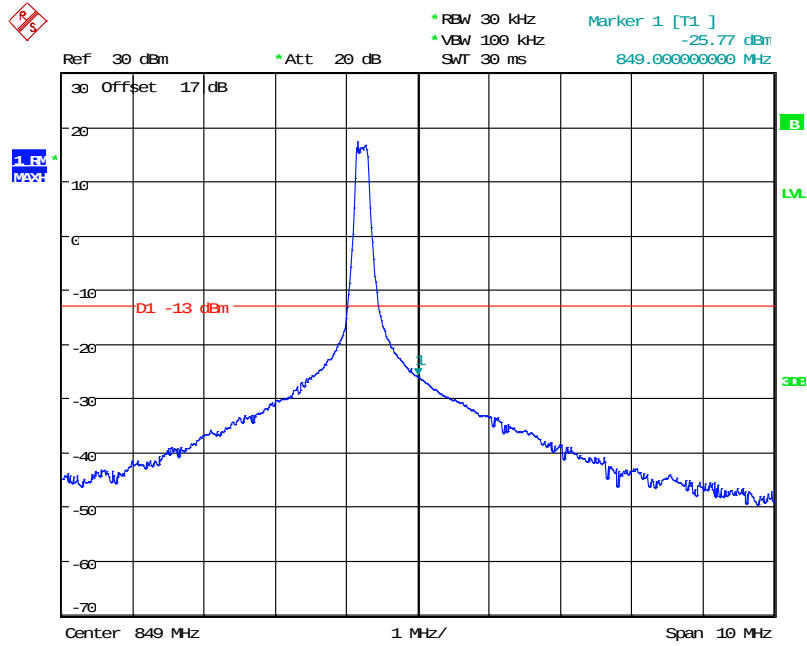


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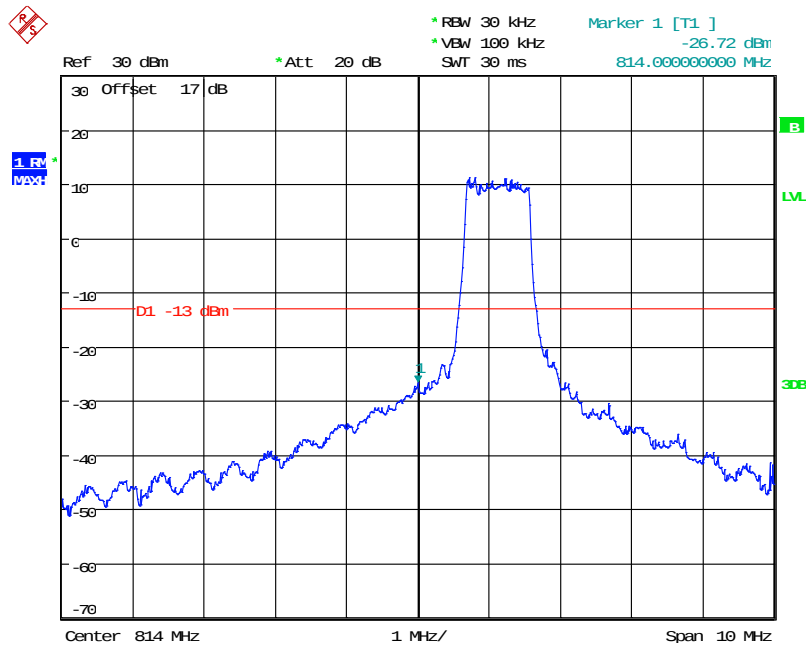
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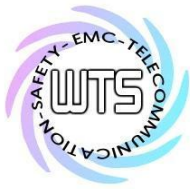


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FRB

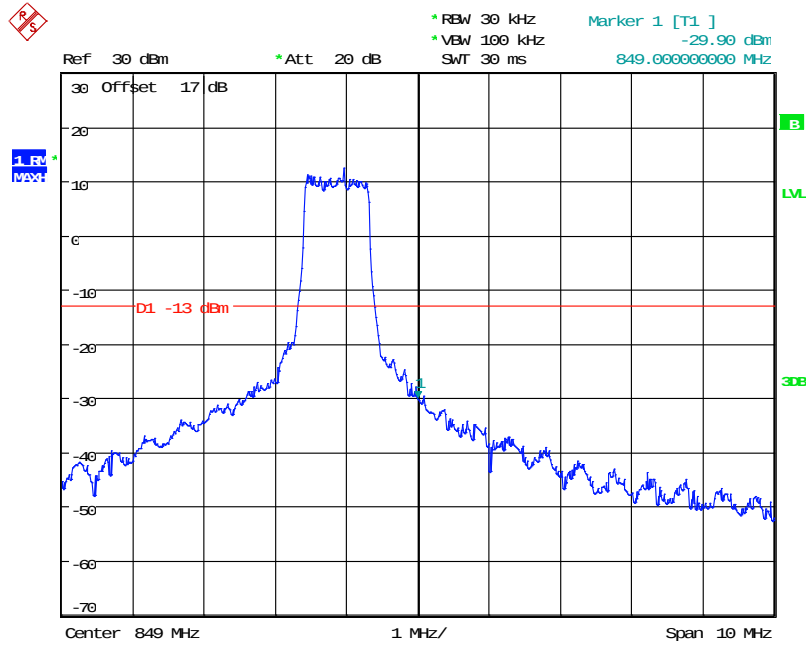


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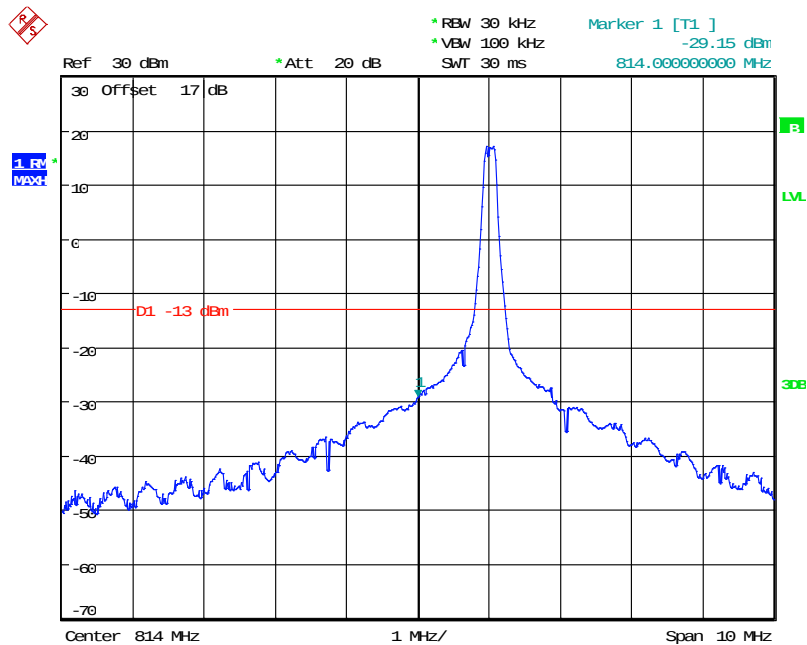
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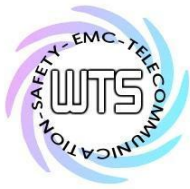


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15 MHz
QPSK
1RB

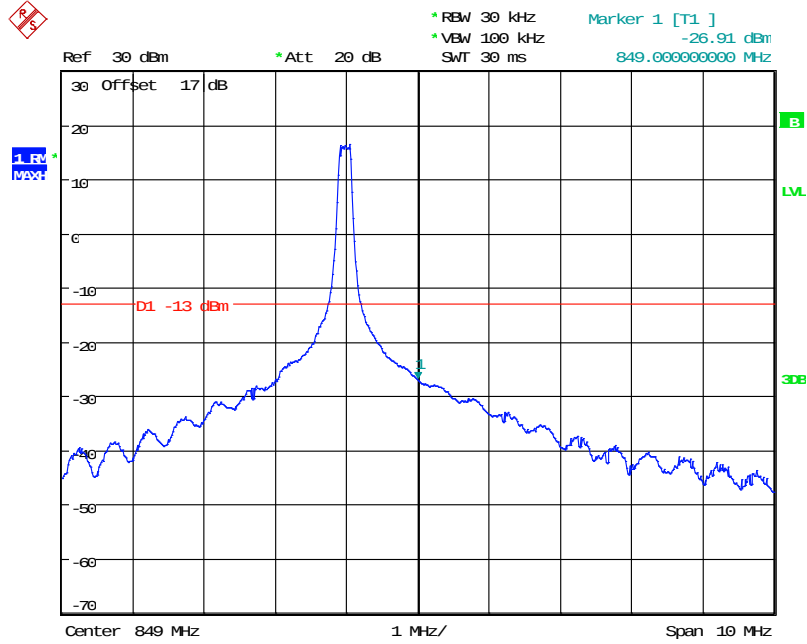


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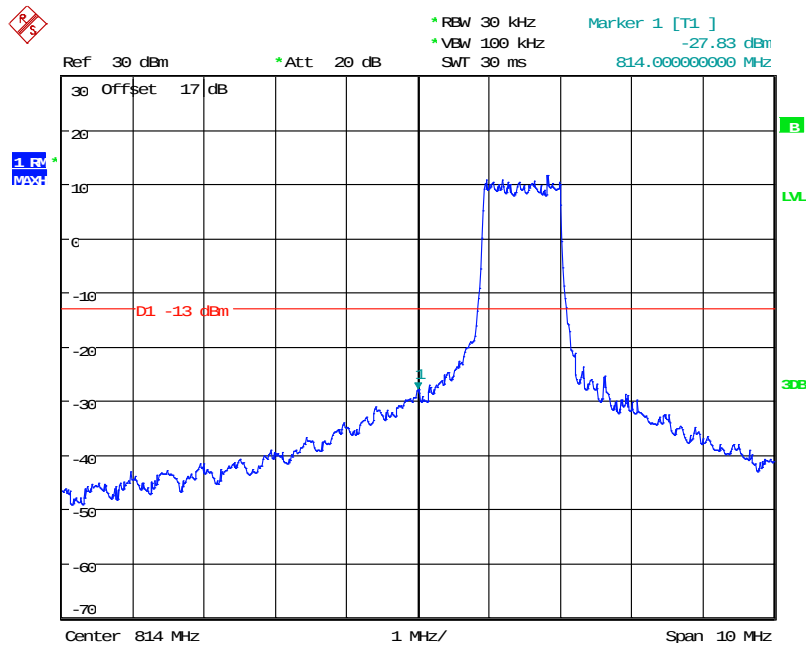
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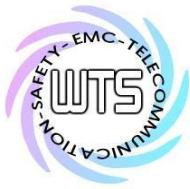


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FRB

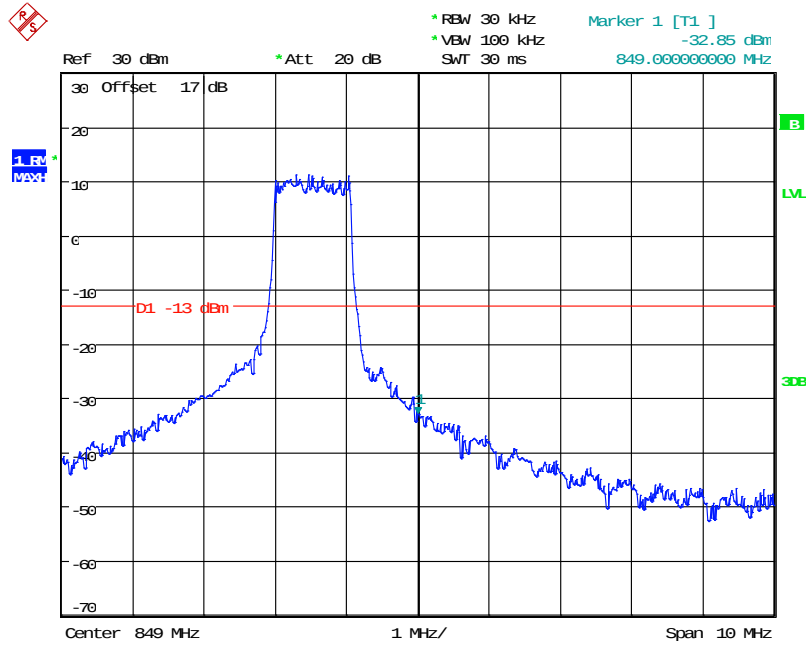


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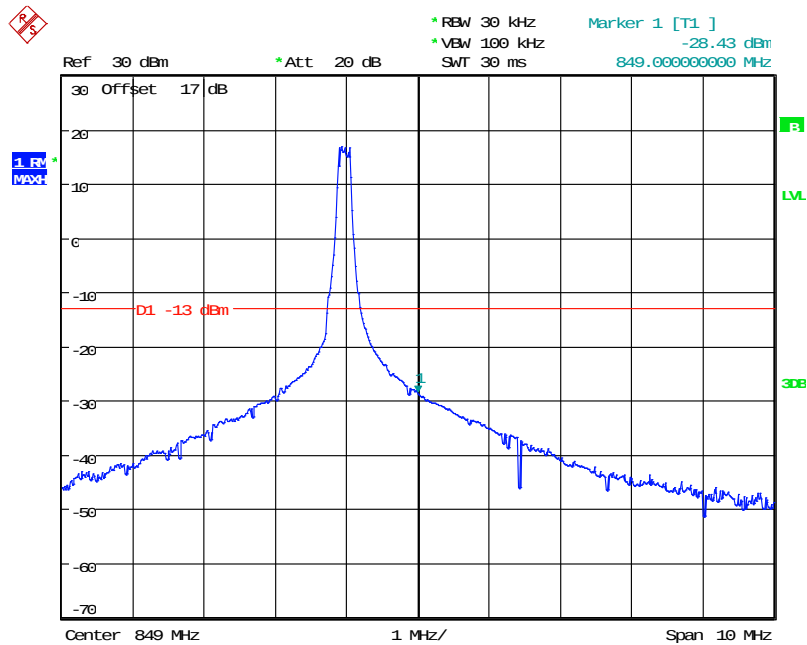
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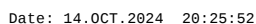
16QAM
1RB



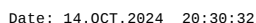
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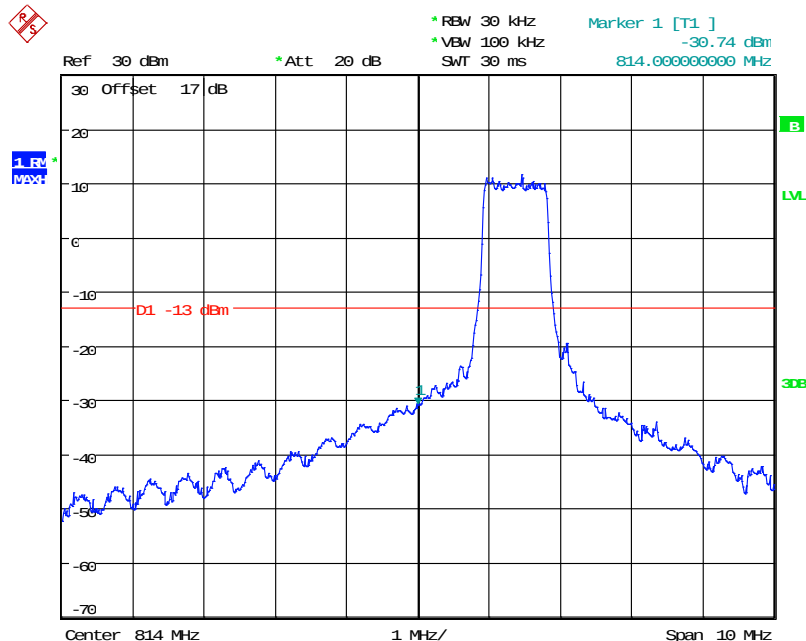


FRB



Registration number: W6M22409-23713-C-247

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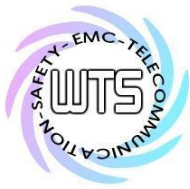
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9 Frequency Stability

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintain within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

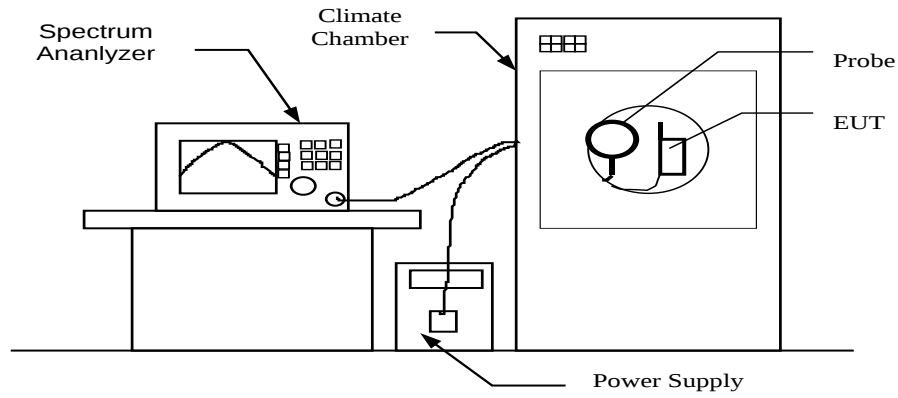
9.1 Test procedure

- ☒ The equipment under test was supplied with rated power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable, exited the chamber through an opening made for that purpose.
After the temperature stabilized the frequency output was recorded from the counter.
- ☐ An external variable power supply was used to supply nominal voltage and 85% to 115% of nominal voltage to the EUT under room temperature. Record the frequencies measured from the counter.
- ☒ End point voltage: For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer. Then record the frequencies measured from the counter.



Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01





Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

9.2 Test Results

Test date: October 14, 2024

Temperature: 24.8 °C

Humidity: 53.8 %

Tester: Rick

9.2.1 Frequency Stability vs. Temperature

NB-IoT BAND2 QPSK 5MHz FRB				
CH18900	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120V.a.c.	-20	13.25	0.007	±2.5
	-10	10.12	0.005	
	0	13.84	0.007	
	10	10.28	0.005	
	20	13.44	0.007	
	30	13.14	0.007	
	40	11.67	0.006	
	50	13.57	0.007	
132V.a.c.	25	12.24	0.007	
108V.a.c.	25	12.29	0.007	

NB-IoT BAND4 QPSK 5MHz FRB				
CH20175	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120V.a.c.	-20	10.36	0.001	±2.5
	-10	12.08	0.001	
	0	12.56	0.001	
	10	10.76	0.001	
	20	11.98	0.001	
	30	10.23	0.001	
	40	11.25	0.001	
	50	11.25	0.001	
132V.a.c.	25	11.87	0.001	
108V.a.c.	25	12.87	0.001	



Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

NB-IoT BAND5 QPSK 5MHz FRB				
CH20525	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120V.a.c.	-20	5.52	0.007	±2.5
	-10	5.56	0.007	
	0	7.42	0.009	
	10	6.63	0.008	
	20	6.43	0.008	
	30	6.12	0.007	
	40	6.82	0.008	
	50	6.12	0.007	
132V.a.c.	25	6.34	0.008	±2.5
108V.a.c.	25	5.52	0.007	

NB-IoT BAND12 QPSK 5MHz FRB				
CH23095	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120V.a.c.	-20	4.98	0.007	±2.5
	-10	4.14	0.006	
	0	4.77	0.007	
	10	4.93	0.007	
	20	4.69	0.007	
	30	5.73	0.008	
	40	5.53	0.008	
	50	5.03	0.007	
132V.a.c.	25	4.56	0.006	±2.5
108V.a.c.	25	4.36	0.006	

NB-IoT BAND13 QPSK 5MHz FRB				
CH23230	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120V.a.c.	-20	5.04	0.006	±2.5
	-10	5.63	0.007	
	0	5.43	0.007	
	10	4.57	0.006	
	20	5.28	0.007	
	30	4.08	0.005	
	40	4.14	0.005	
	50	4.58	0.006	
132V.a.c.	25	5.28	0.007	±2.5
108V.a.c.	25	5.16	0.007	



Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

NB-IoT BAND26 QPSK 5MHz FRB				
CH26865	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	4.44	0.003	±2.5
	-10	5.23	0.003	
	0	5.93	0.003	
	10	6.62	0.004	
	20	5.42	0.003	
	30	5.93	0.003	
	40	6.12	0.004	
	50	5.72	0.003	
132Va.c.	25	6.94	0.004	
108Va.c.	25	7.54	0.004	

CAT-M1 BAND2 QPSK 20MHz FRB				
CH18900	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	41.25	0.022	±2.5
	-10	43.33	0.023	
	0	49.26	0.026	
	10	47.32	0.025	
	20	42.89	0.023	
	30	45.33	0.024	
	40	38.43	0.020	
	50	62.34	0.033	
132Va.c.	25	60.24	0.032	
108Va.c.	25	45.74	0.024	

CAT-M1 BAND4 QPSK 20MHz FRB				
CH20175	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	31.26	0.002	±2.5
	-10	46.28	0.003	
	0	35.89	0.002	
	10	10.26	0.001	
	20	16.25	0.001	
	30	22.76	0.001	
	40	31.26	0.002	
	50	35.67	0.002	
132Va.c.	25	39.21	0.002	
108Va.c.	25	35.67	0.002	



Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

CAT-M1 BAND5 QPSK 10MHz FRB				
CH20525	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	11.45	0.014	±2.5
	-10	7.98	0.010	
	0	13.98	0.017	
	10	10.65	0.013	
	20	14.54	0.017	
	30	10.33	0.012	
	40	11.78	0.014	
	50	8.46	0.010	
132Va.c.	25	12.26	0.015	±2.5
108Va.c.	25	13.54	0.016	

CAT-M1 BAND12 QPSK 10MHz FRB				
CH23095	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	6.12	0.009	±2.5
	-10	8.23	0.012	
	0	5.82	0.008	
	10	6.72	0.009	
	20	6.34	0.009	
	30	7.42	0.010	
	40	6.63	0.009	
	50	6.32	0.009	
132Va.c.	25	10.62	0.015	±2.5
108Va.c.	25	6.46	0.009	

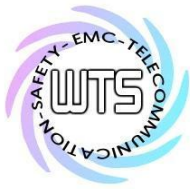
CAT-M1 BAND13 QPSK 10MHz FRB				
CH23230	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	15.66	0.020	±2.5
	-10	17.28	0.022	
	0	16.34	0.021	
	10	22.21	0.028	
	20	20.31	0.026	
	30	28.36	0.036	
	40	14.76	0.019	
	50	26.22	0.034	
132Va.c.	25	27.22	0.035	±2.5
108Va.c.	25	22.46	0.029	



Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

CAT-M1 BAND26 QPSK 15MHz FRB				
CH26865	Temp	Frequency drift(Hz)	Frequency drift(ppm)	Limit (ppm)
120Va.c.	-20	10.24	0.012	±2.5
	-10	9.42	0.011	
	0	13.21	0.016	
	10	17.26	0.021	
	20	12.46	0.015	
	30	10.83	0.013	
	40	8.96	0.011	
	50	15.32	0.018	
132Va.c.	25	13.70	0.016	±2.5
108Va.c.	25	10.35	0.012	



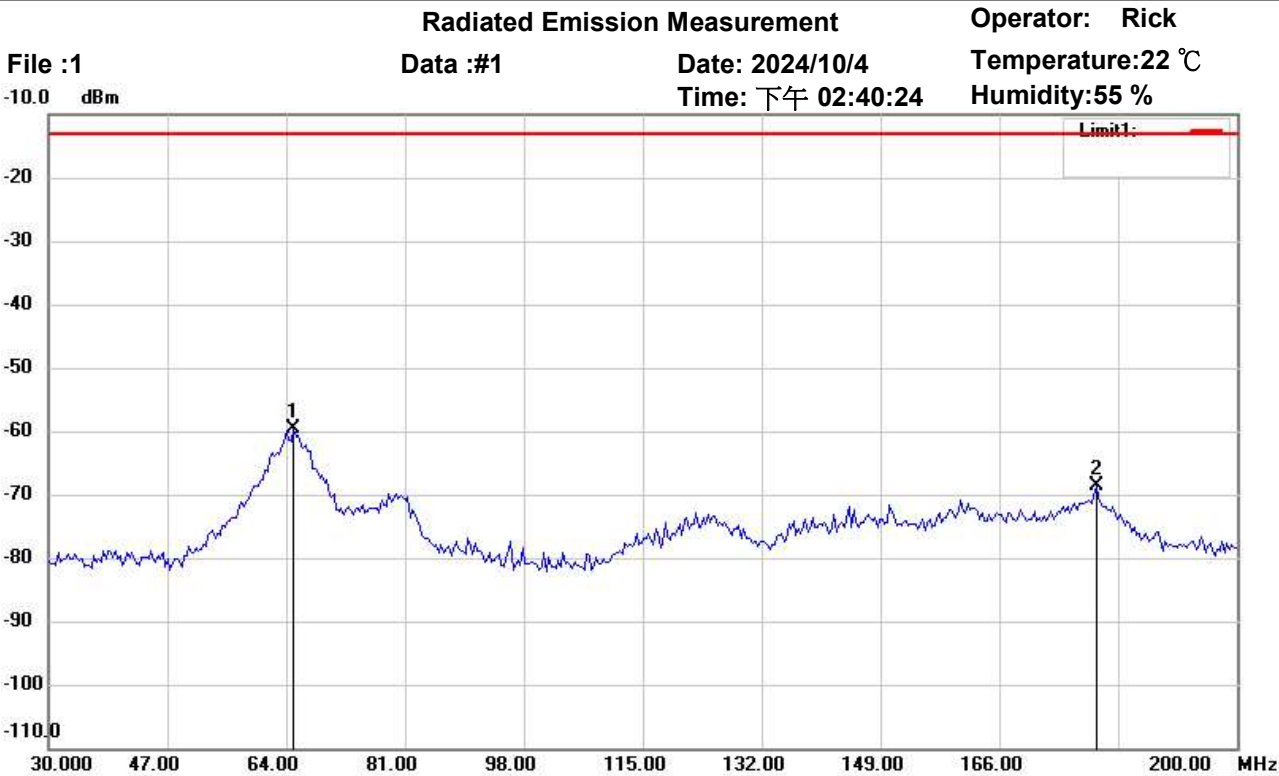
Registration number: W6M22409-23713-C-247

FCC ID: 2BAJFSN-EB01

Appendix

Measurement diagrams

Filed Strength of Spurious Emission



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: Horizontal

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	65.0901	-84.11	peak	24.46	-59.65	-13.00	150	230	-46.65	
	179.8997	-91.73	peak	23.21	-68.52	-13.00	150	170	-55.52	

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



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

Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

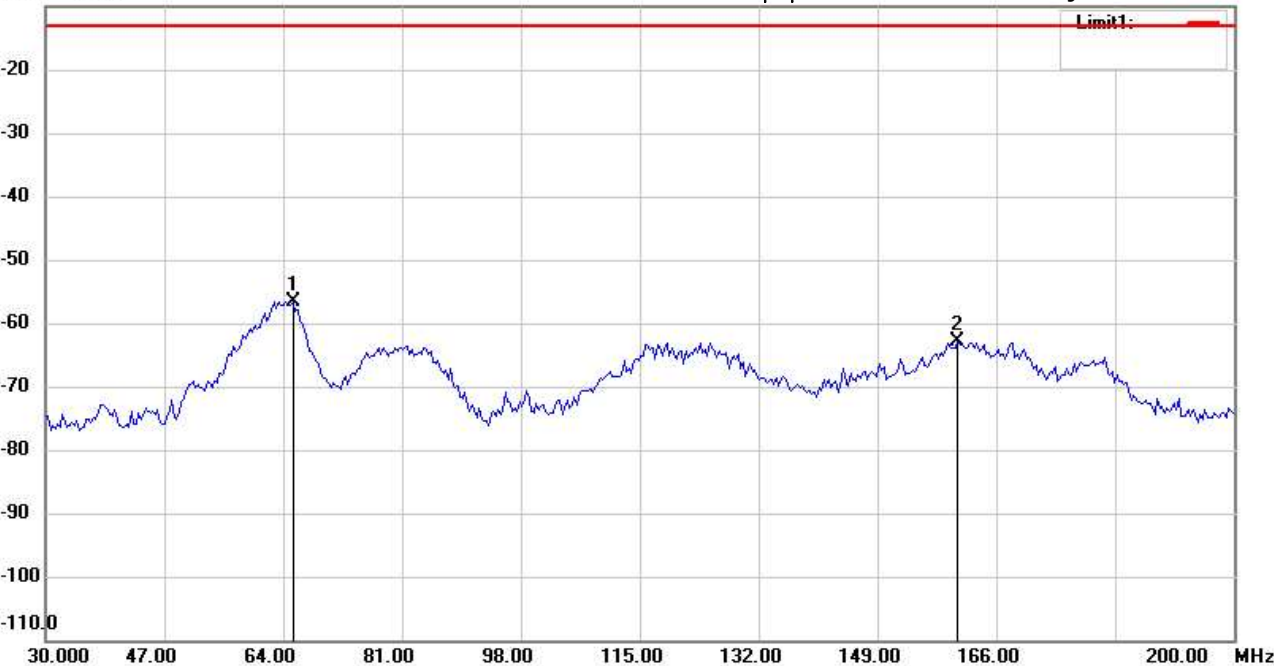
Date: 2024/10/4

Temperature:22 °C

-10.0 dBm

Time: 下午 03:57:59

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	65.4308	-79.80	peak	23.25	-56.55	-13.00	150	320	-43.55	
	160.4810	-88.14	peak	25.17	-62.97	-13.00	150	120	-49.97	

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



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

Radiated Emission Measurement

Operator: Rick

File : 2

Data : #1

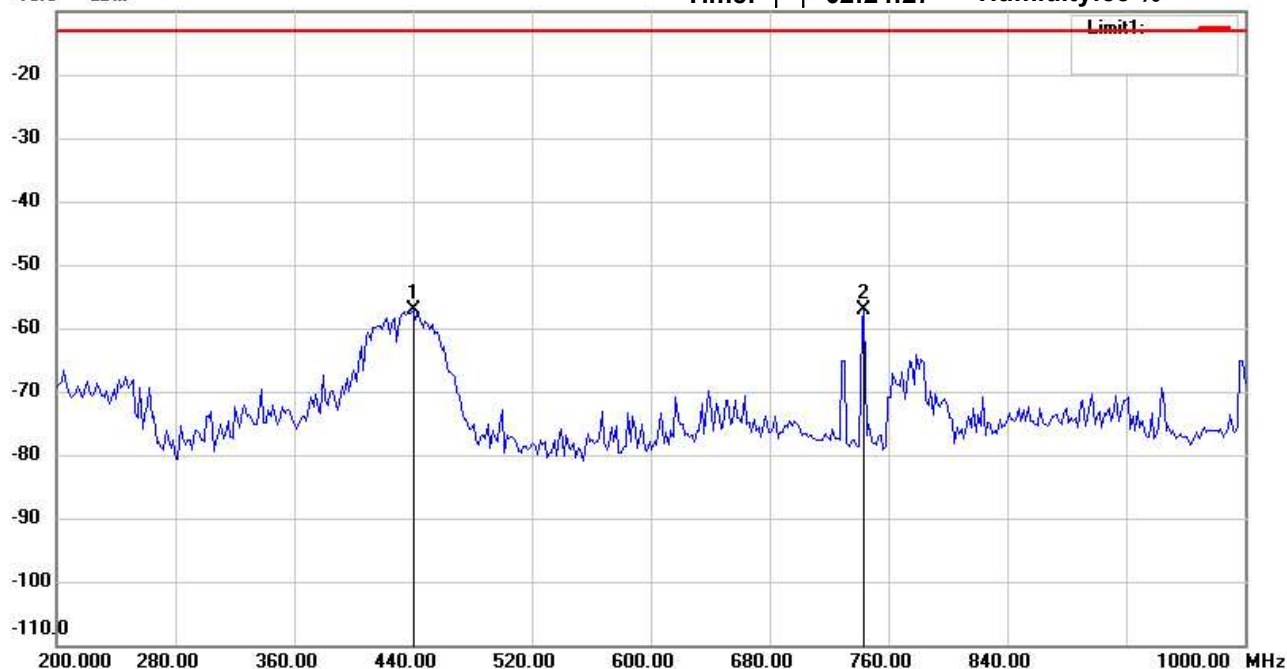
Date: 2024/10/4

Temperature: 22 °C

-10.0 dBm

Time: 下午 02:24:27

Humidity: 55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: **Horizontal**

Power : 120 V.a.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	440.4810	-50.38	peak	-6.81	-57.19	-13.00	150	200	-44.19	
*	743.4870	-54.26	peak	-2.81	-57.07	-13.00	150	170	-44.07	

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



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

Radiated Emission Measurement

Operator: Rick

File : 2

Data : #2

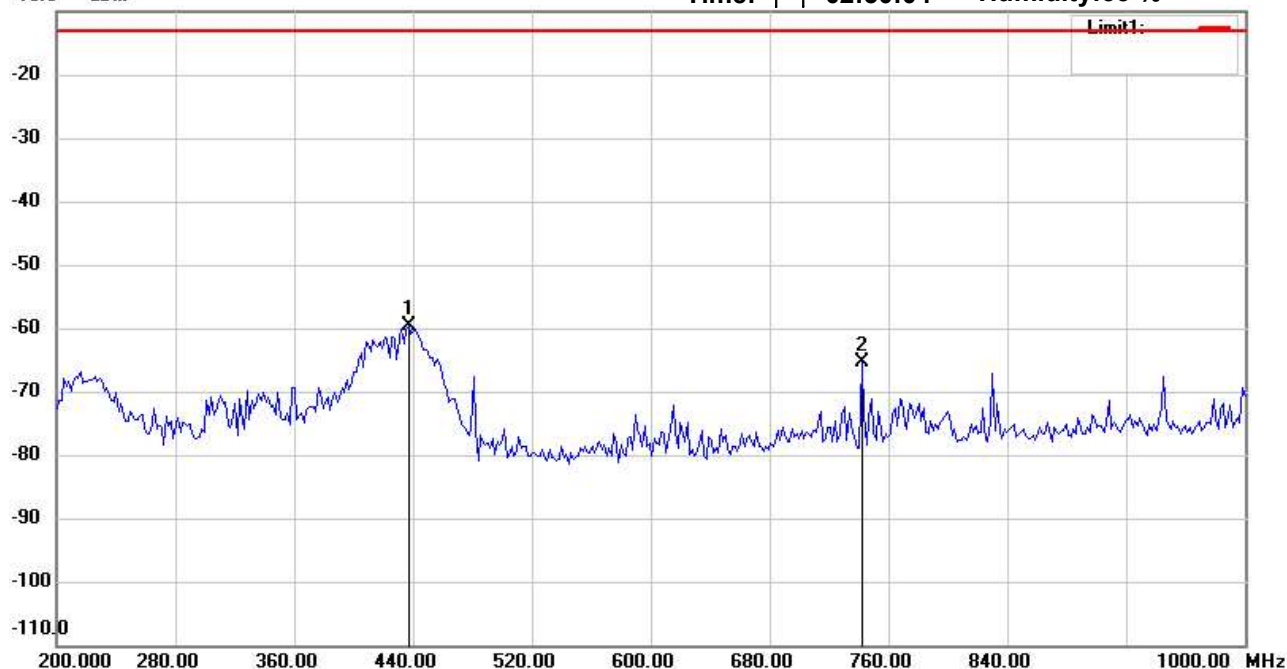
Date: 2024/10/4

Temperature: 22 °C

-10.0 dBm

Time: 下午 02:30:04

Humidity: 55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: **Vertical**

Power : 120 V.a.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	437.2744	-51.46	peak	-8.22	-59.68	-13.00	150	300	-46.68	
	741.8837	-63.37	peak	-2.11	-65.48	-13.00	150	170	-52.48	

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



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Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

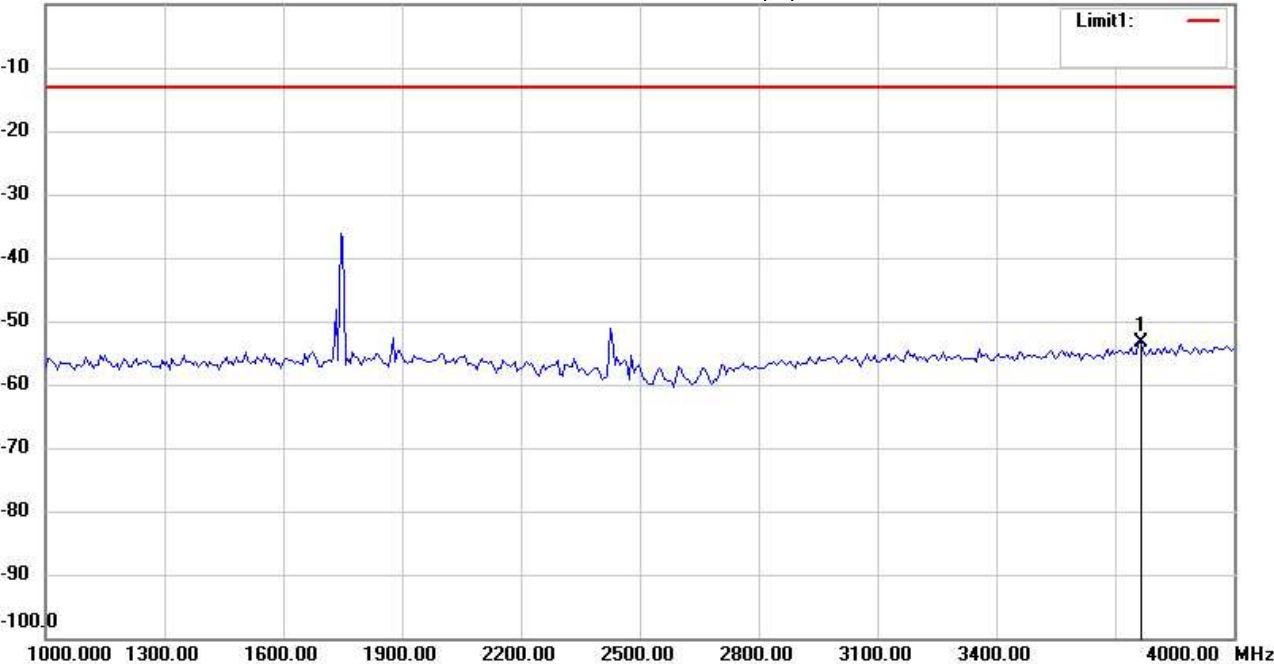
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:49:23

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	3765.531	-60.71	peak	7.23	-53.48	-13.00	150	110	-40.48	

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



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Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Rick

File :3

Data :#6

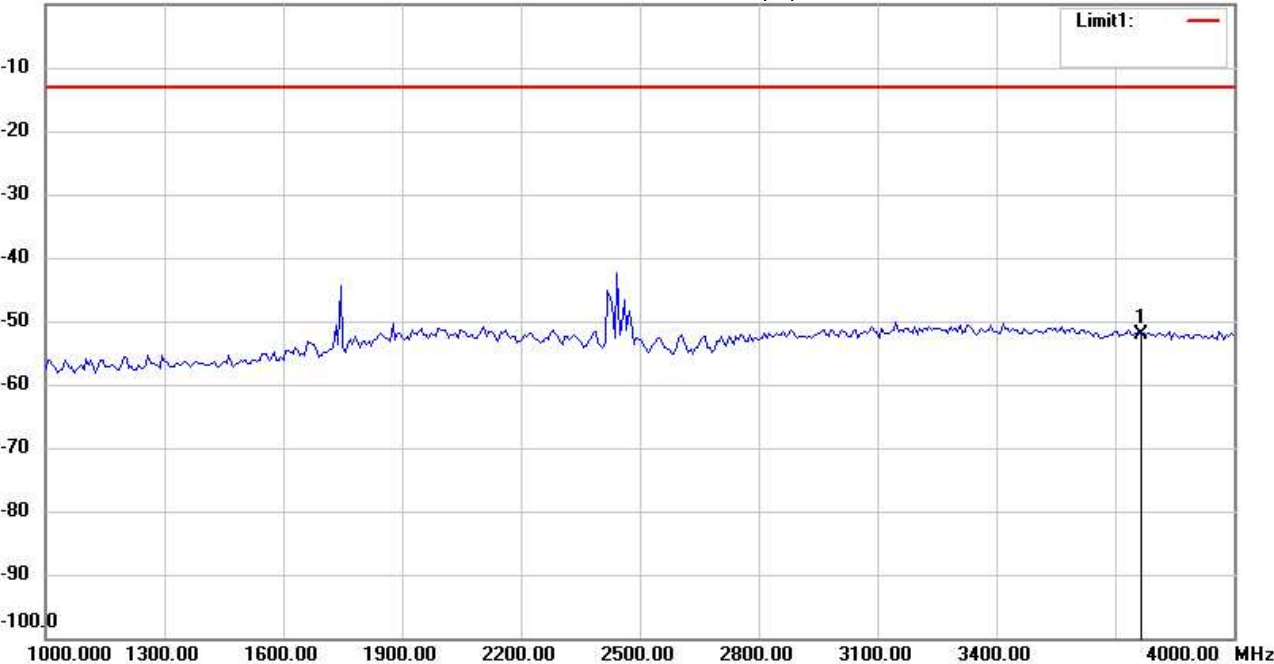
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:53:51

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	3760.000	-62.18	peak	10.13	-52.05	-13.00	150	230	-39.05	

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



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Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

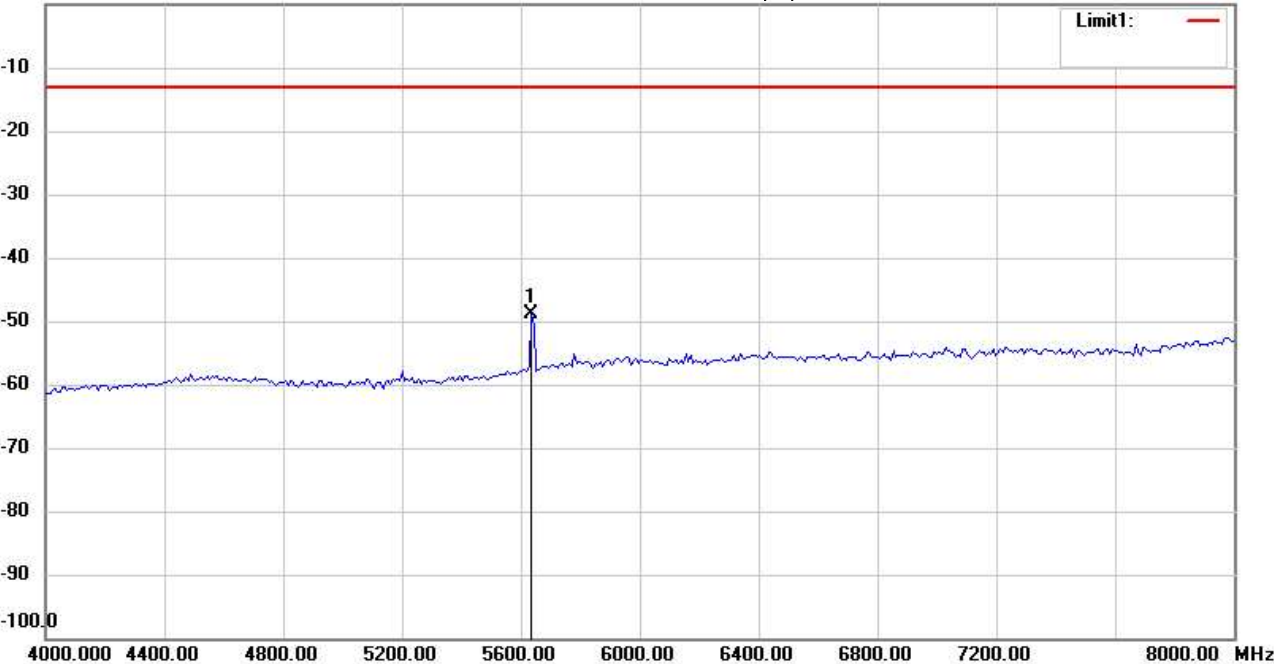
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:50:16

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: **Horizontal**

Power : 120 V.a.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	5635.270	-59.33	peak	10.40	-48.93	-13.00	150	270	-35.93	

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



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Radiated Emission Measurement

Operator: Rick

File :3

Data :#7

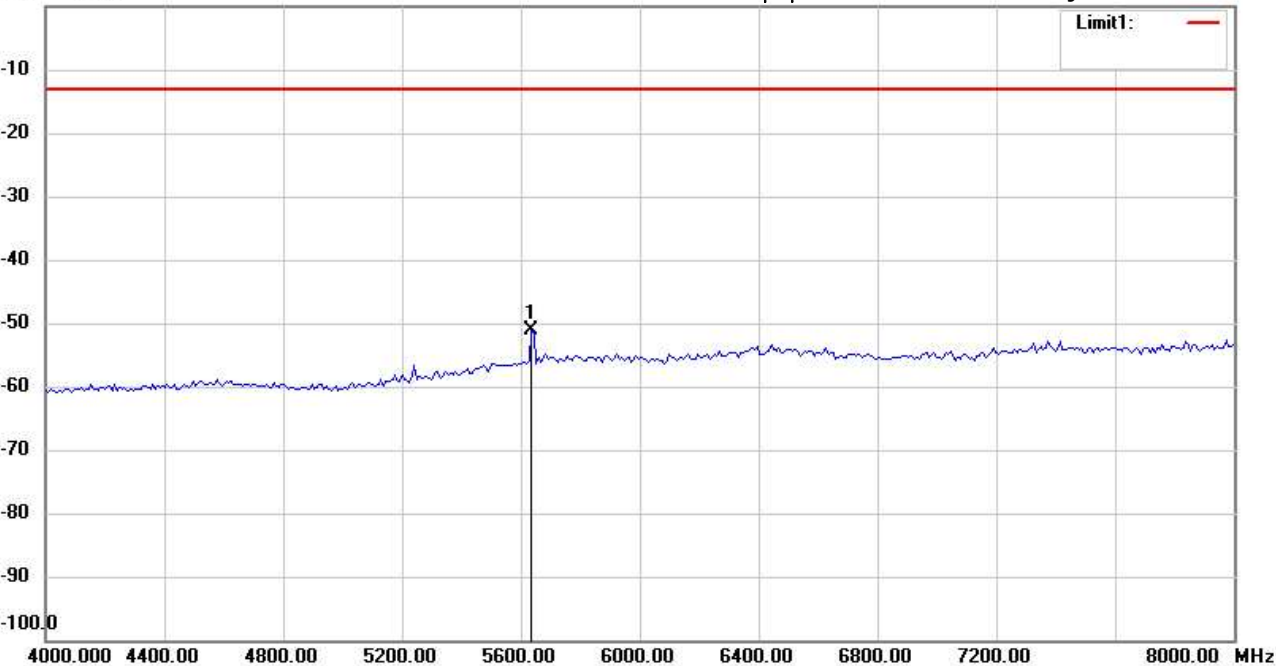
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:54:41

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: **Vertical**

Power : 120 V.a.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	5635.270	-63.20	peak	12.18	-51.02	-13.00	150	200	-38.02	

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



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Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

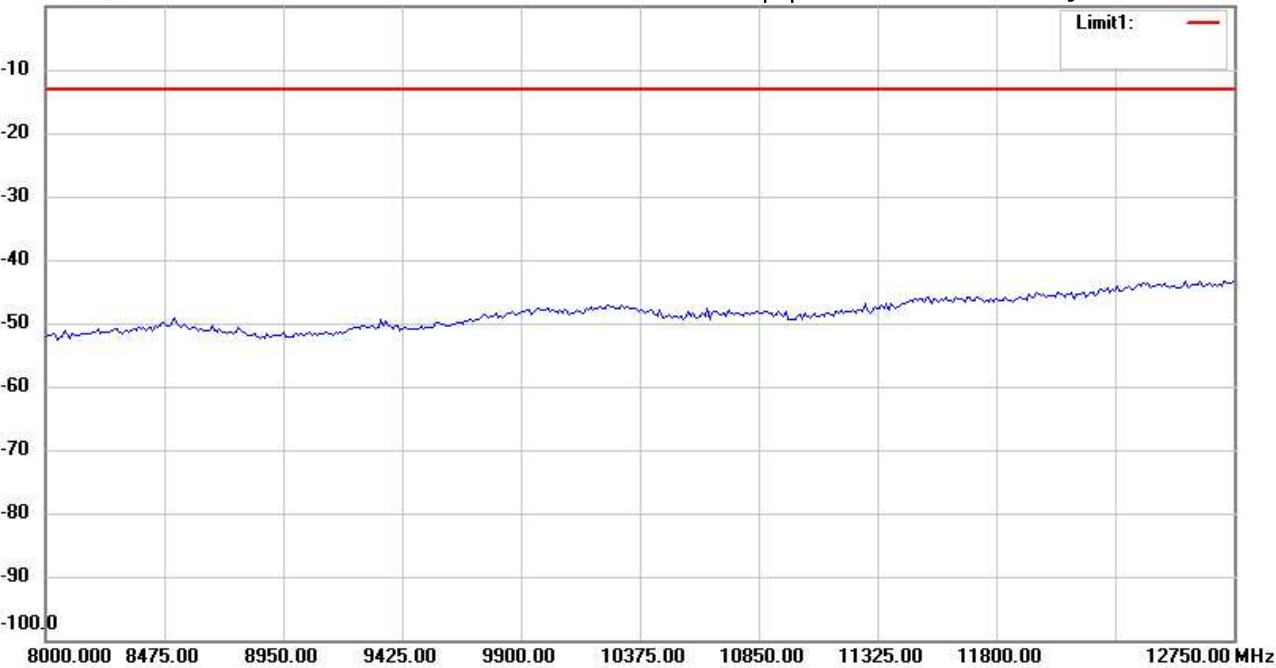
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:51:05

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: **Horizontal**

Power : 120 V.a.c.

Distance: 3m

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



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Radiated Emission Measurement

Operator: Rick

File :3

Data :#8

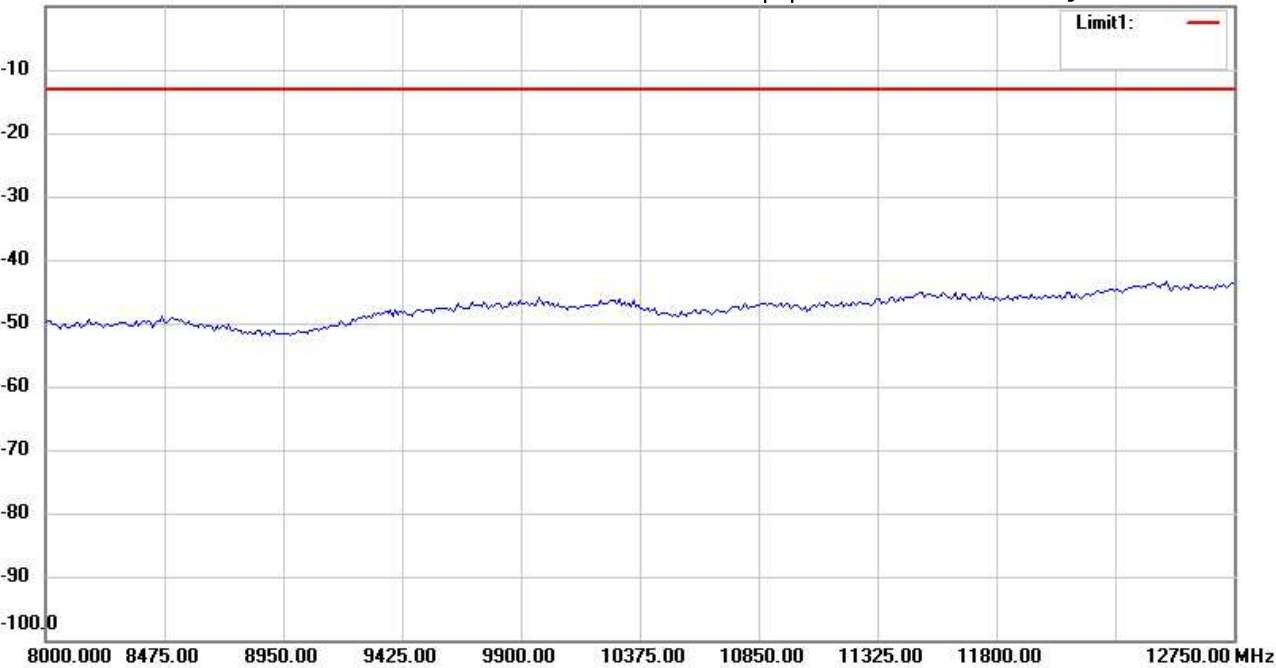
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:55:34

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: Vertical

Power : 120 Va.c.

Distance: 3m

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



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Tel:+886-2-2646-1508
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Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

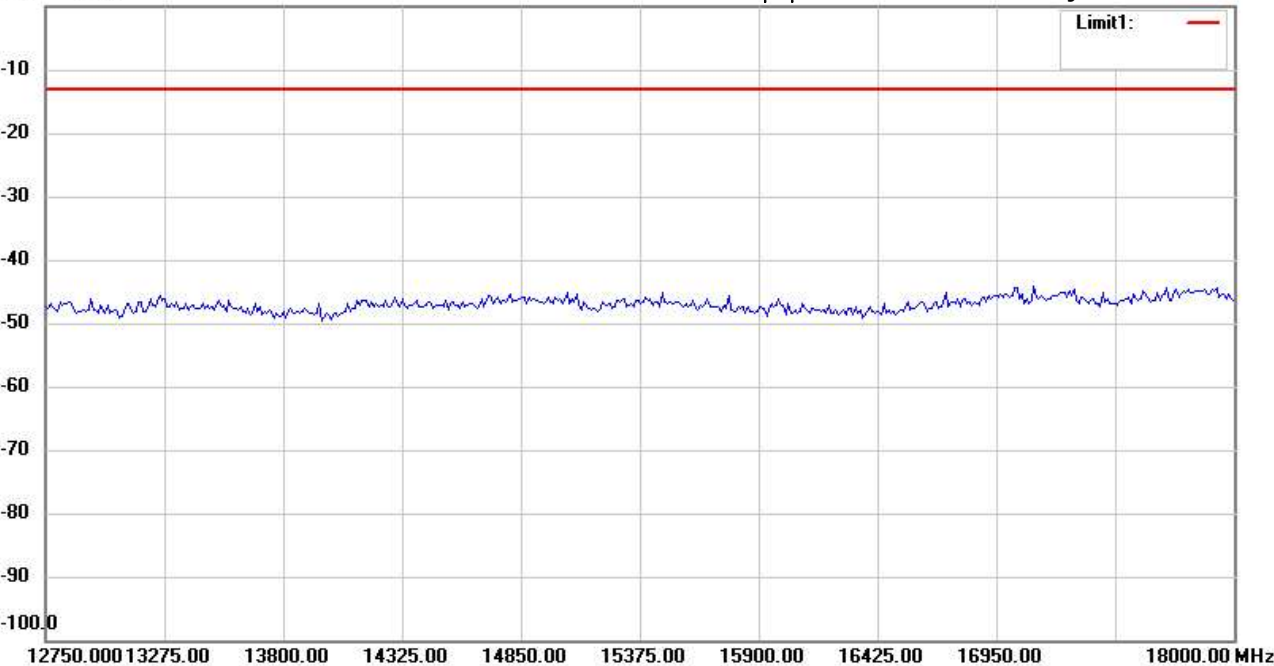
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:51:16

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: *Horizontal*

Power : 120 V.a.c.

Distance: 3m

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



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Radiated Emission Measurement

Operator: Rick

File :3

Data :#9

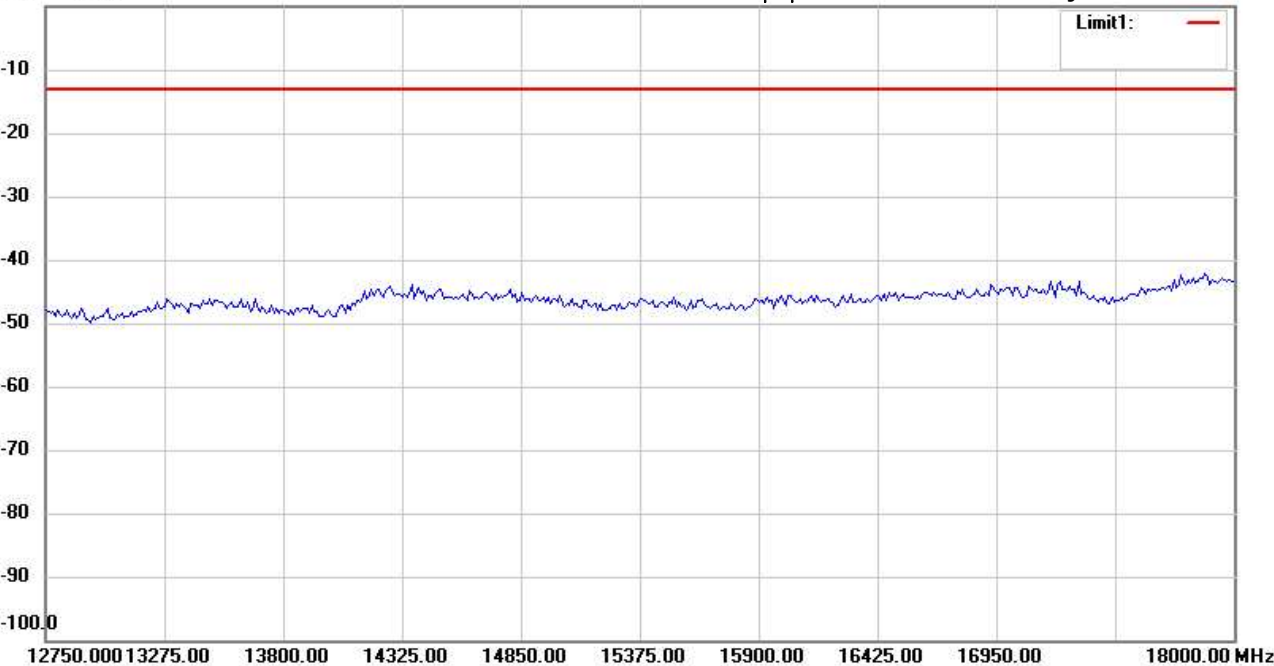
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:55:46

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: Vertical

Power : 120 V.a.c.

Distance: 3m

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



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Radiated Emission Measurement

Operator: Rick

File :3

Data :#5

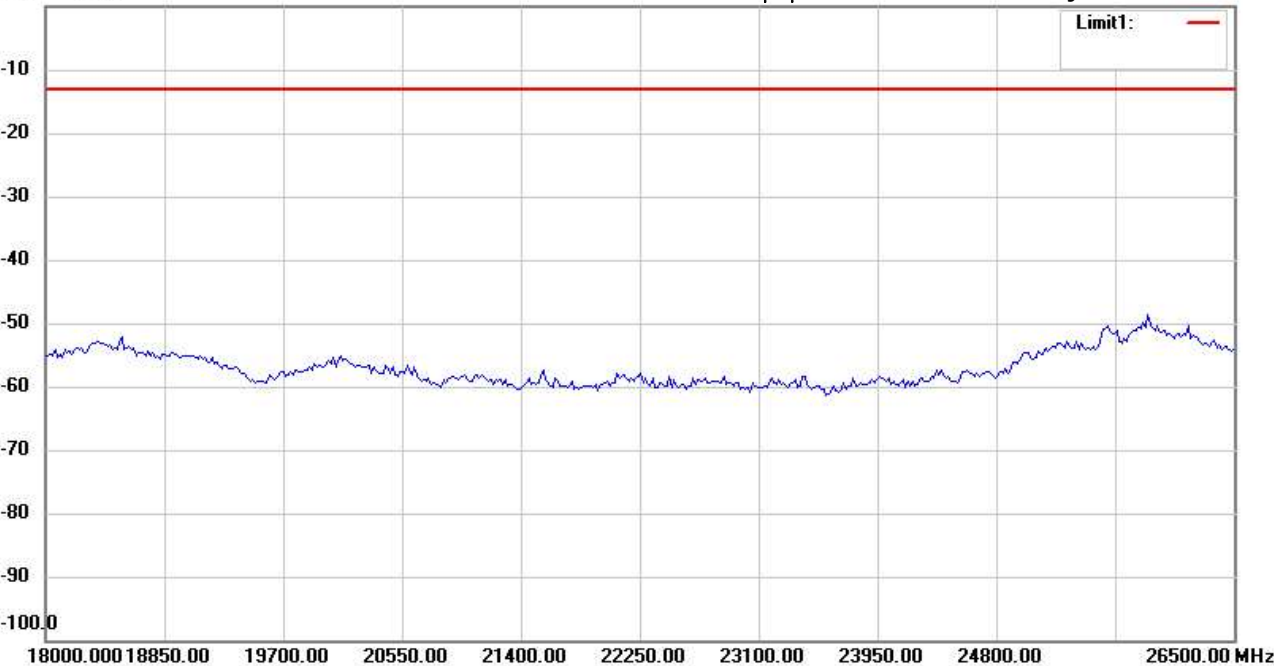
Date: 2024/10/1

Temperature:22 °C

0.0 dBm

Time: 下午 09:51:28

Humidity:55 %



Site : 966A Chamber

Condition : FCC_part 22/24/27

EUT : W6M22409-23713

M/N:

Test Mode : BAND2-QPSK-5M-1@0-CH18900

Note :

Polarization: **Horizontal**

Power : 120 V.a.c.

Distance: 3m

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