



F2 Labs
16740 Peters Road
Middlefield, Ohio 44062
United States of America
www.f2labs.com

CERTIFICATION TEST REPORT

Manufacturer: Global Link Distribution Corp.
700 Patricia Court
Elkhart, Indiana 46516 USA

Applicant: Same as Above

Product Name: Ultra Pro G3

Product Description: Keyless RV Door Lock with Wireless Connectivity

**Operating Voltage/Freq.
of EUT During Testing:** Battery-Operated (3VDC)

Model: G3

Part No(s): TTLBT-47650-2006*
**Denotes actual part number tested, as representative of
product family that includes TTLBT-47650-2006, TTLBT-
47650P-2006 and TTLBT-47650-2006-1PK.*

FCC ID: 2BN28-G3TTLBT

Testing Commenced: 2026-05-28

Testing Ended: 2026-06-01

Summary of Test Results: In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications and/or manufacturer's statement. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Rules:

- **FCC Part 15 Subpart C, Section 15.247**
- **FCC Part 15.31(e)**
- **ANSI C63.10-2020+Cor. 1-2023**



Order No(s): F2X37154

Applicant: Global Link Distribution Corp.
Model(s): G3

Evaluation Conducted by:

Erik Tobin, EMC Engineer

Report Reviewed by:

Ken Littell, Vice President of Operations

F2 Labs
26501 Ridge Road
Damascus, MD 20872
Ph 301.253.4500

F2 Labs
16740 Peters Road
Middlefield, OH 44062
Ph 440.632.5541

F2 Labs
8583 Zionsville Road
Indianapolis, IN 46268
Ph 317.610.0611

This test report may be reproduced in full; partial reproduction only may be made with the written consent of F2 Labs. The results in this report apply only to the equipment tested.



TABLE OF CONTENTS

1	<u>ADMINISTRATIVE INFORMATION</u>
2	<u>SUMMARY OF TEST RESULTS/MODIFICATIONS</u>
3	<u>TABLE OF MEASURED RESULTS</u>
4	<u>ENGINEERING STATEMENT</u>
5	<u>EUT INFORMATION AND DATA</u>
6	<u>LIST OF MEASUREMENT INSTRUMENTATION</u>
7	<u>OCCUPIED BANDWIDTH</u>
8	<u>CONDUCTED OUTPUT POWER</u>
9	<u>CONDUCTED SPURIOUS EMISSIONS</u>
10	<u>RADIATED SPURIOUS EMISSIONS</u>
11	<u>PEAK POWER SPECTRAL DENSITY (PSD)</u>
12	<u>TEST SETUP PHOTOGRAPHS</u>



1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to ANSI C63.10 and recommended FCC procedure of measurement under Section 15.247 and in KDB558074. A list of the measurement equipment can be found in Section 6.

1.3 Uncertainty Budget:

The uncertainty in EMC measurements arises from several factors which affect the results, some associated with environmental conditions in the measurement room, the test equipment being used and the measurement techniques adopted.

The measurement uncertainty budgets detailed below are calculated from the test and calibration data and are expressed with a 95% confidence factor. Note: Only measurements listed below which relate to tests included in this Test Report are applicable to it.

Measurement Range	Expanded Uncertainty	Combined Uncertainty
Radiated Emissions <1 GHz @ 3m	±5.07dB	±2.54dB
Radiated Emissions <1 GHz @10m	±5.09dB	±2.55dB
Radiated Emissions 1 GHz to 2.7 GHz	±3.62dB	±1.81dB
Radiated Emissions 2.7 GHz to 18 GHz	±3.10dB	±1.55dB
AC Power Line Conducted Emissions, 150kHz to 30 MHz	±2.76dB	±1.38dB

This Uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2X37154-01E	First Issue	2026-06-16	K. Littell

**2 SUMMARY OF TEST RESULTS**

Test Name	Standard(s)	Results
Occupied Bandwidth	CFR 47 Part 15.247(a)(2) / KDB558074	Complies
Conducted Output Power	CFR 47 Part 15.247(b)(2) / KDB558074	Complies
Voltage Variations	CFR 47 Part 15.31(e)	Complies*
Conducted Spurious Emissions	CFR 47 Part 15.247(d) / Part 15.207 / KDB558074	Complies
Radiated Spurious Emission with 2.0dBi Gain Integral Antenna	CFR 47 Part 15.247(d) / Part 15.209 / KDB558074	Complies
Peak Power Spectral Density	CFR 47 Part 15.247(e) / KDB558074	Complies
Frequency Separation	ANSI 63.10 (7.8.2)	N/A
Number of Hopping Frequencies	ANSI 63.10 (7.8.3)	N/A
Dwell Time	ANSI 63.10 (7.8.4)	N/A
Conducted Emissions	CFR 47 Part 15.207(a)	N/A

*Product is battery-operated. Requirements were met by using new batteries..

Modifications Made to the Equipment
No modifications were made to the EUT.



3 TABLES OF MEASURED RESULTS

Occupied Bandwidth

Mod	Test	Low Channel BLE 2402 / Thread 2405 MHz	Mid Channel 2440 MHz	High Channel 2480 MHz
1 Mb BLE	-6dB Occupied Bandwidth	0.716 MHz	0.711 MHz	0.769 MHz
	99% Occupied Bandwidth (MHz)	1.043 MHz	1.043 MHz	1.048 MHz
2 Mb BLE	-6dB Occupied Bandwidth	1.378 MHz	1.362 MHz	1.377 MHz
	99% Occupied Bandwidth (MHz)	2.099 MHz	2.107 MHz	2.107 MHz
Thread	-6dB Occupied Bandwidth	1.650	1.643	1.651
	99% Occupied Bandwidth (MHz)	2.252	2.260	2.260
Limit		>500kHz	>500kHz	>500kHz

Conducted Output Power

Mod	Frequency MHz	Measured Power		Limit		EIRP		Limit	
		mW	dBm	mW	dBm	mW	dBm	EIRP (mW)	EIRP (dBm)
1 Mb BLE	2402	2.600	4.15	1000.000	30	4.121	6.15	3981.0717	36
	2440	2.559	4.08	1000.000	30	4.055	6.08	3981.0717	36
	2480	2.606	4.16	1000.000	30	4.130	6.16	3981.0717	36
2 Mb BLE	2402	2.642	4.22	1000.000	30	4.188	6.22	3981.0717	36
	2440	2.588	4.13	1000.000	30	4.102	6.13	3981.0717	36
	2480	2.606	4.16	1000.000	30	4.130	6.16	3981.0717	36
Thread	2405	1.127	0.52	1000.000	30	1.786	2.52	3981.0717	36
	2440	1.040	0.17	1000.000	30	1.648	2.17	3981.0717	36
	2480	1.119	0.49	1000.000	30	1.774	2.49	3981.0717	36

**Power Spectral Density**

Mod	Low Channel BLE 2402 / Thread 2405 MHz	Mid Channel 2440 MHz	High Channel 2480 MHz
1 Mb BLE	-12.53 dBm	-12.38 dBm	-12.34 dBm
2 Mb BLE	-14.6 dBm	-14.7 dBm	-14.08 dBm
Thread	-15.47 dBm	-16.11 dBm	-16.22 dBm
Limit	8 dBm	8 dBm	8 dBm

Note: Product is battery-operated. Requirements of 15.31 were met by using new batteries.



4 ENGINEERING STATEMENT

This report has been prepared on behalf of Global Link Distribution Corp., to provide documentation for the testing described herein. This equipment has been tested and found to comply with Part 15.247 of the FCC Rules using ANSI C63.10 and KDB558074 standards. The test results found in this test report relate only to the items tested.



5 EUT INFORMATION AND DATA

5.1 Equipment Under Test:

Product: Ultra Pro G3

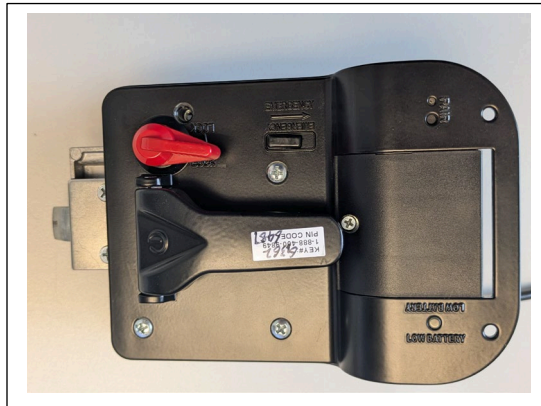
Mode: G3

Part No(s): TTLBT-47650-2006*

Serial No(s): 2842-G3-001, 2842-G3-002

FCC ID: 2BN28-G3TTLBT

**Denotes actual part number tested, as representative of product family that includes TTLBT-47650-2006 (standard, tested); TTLBT-47650P-2006 (plugged cylinders); and TTLBT-47650-2006-1PK (retail packaging).*



5.2 Trade Name:

Global Link Distribution Corp.

5.3 Power Supply:

Battery-Operated (6VDC)

5.4 Applicable Rules:

CFR 47, Part 15.247, subpart C

5.5 Antenna:

PCB, 2dBi Gain

5.6 Accessories:

Device	Manufacturer	Model Number	Serial Number
Laptop	Dell	P104F	None Specified



5.7 Test Item Condition:

The equipment to be tested was received in good condition.

5.8 Testing Algorithm:

EUT was set to continuously transmit the modulated carrier at maximum power:

- BLE +4dBm; 2402, 2440, 2480 MHz
- Thread 0dBm; 2405, 2440, 2480 MHz

**6 LIST OF MEASUREMENT INSTRUMENTATION**

Equipment Type	Asset Number	Manufacturer	Model	Serial Number	Calibration Due Date
Shielded Chamber	CL166-E	Albatross Projects	B83117-DF435-T261	US140023	2027-05-07
Receiver	CL151	Rohde & Schwarz	ESU40	100319	2027-04-08
Low Loss Cable Set	CL315 / CL318	Fairview Microwave	FMC0202914-72/FMC0202914-240	None Spec.	2027-04-10
Horn Antenna 18-26.5 GHz	CL114	A.H. Systems, Inc.	SAS-572	237	2028-02-18
Horn Antenna 18 GHz	CL333	ETS Lindgren	DRHA18G	J203061349	2026-07-09
Pre-Amplifier	CL153	Agilent	83006-69007	MY57280115	2027-04-10
Pre-Amplifier	CL189	Com-Power	PAM-840A	461303	2028-04-07
Pre-Amplifier	CL284	A.H. Systems, Inc.	PAM-0101	131	2027-04-09
Active 18" Loop Antenna	CL163-Loop	A.H. Systems, Inc.	EHA-52B	100	2027-05-04
Antenna, JB3 Combination	CL175	Sunol Sciences	JB3	A030315	2026-09-02
Temp/Hum Rec	CL327	Thermpro	TP50	8	2028-03-20
Software:	Tile Version 3.4.B.3		Software Verified: 2026-05-28 to 2026-06-01		
Software:	EMC 32, Version 8.53.0		Software Verified: 2026-05-28 to 2026-06-01		



7 OCCUPIED BANDWIDTH

7.1 Requirements:

The 6dB bandwidth shall be greater than 500 kHz.

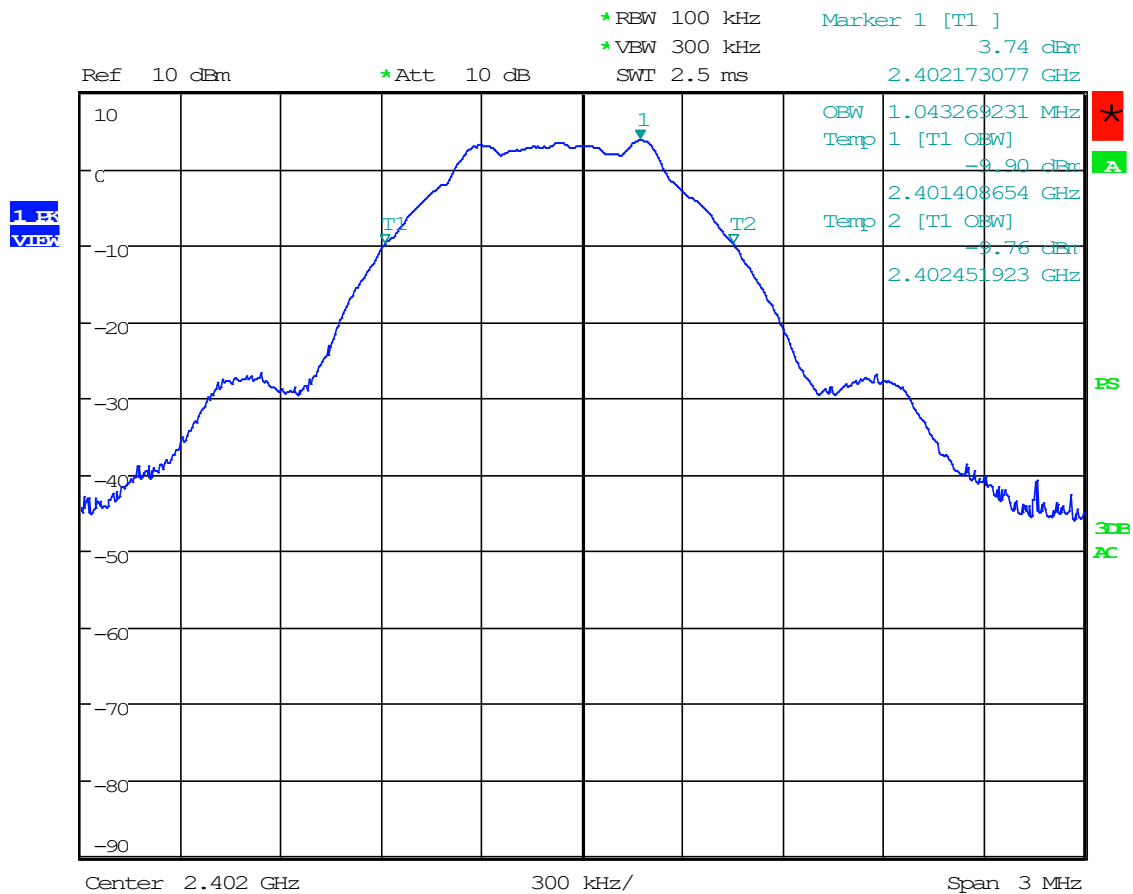
Bandwidth measurements were made at the low, mid and high frequencies with the Resolution Bandwidth set at 30 kHz (video bandwidth set at 100 kHz) for the 99% OBW, and 100kHz Resolution Bandwidth and 300kHz Video Bandwidth for the 6dB OBW. The span was set at 3 and 5 MHz. The bandwidth was measured using the analyzer's marker function.



7.2 Occupied Bandwidth Test Data

Test Date:	2026-05-28	Test Engineer:	E. Tobin
Standard(s):	CFR 47 Part 15.247(a)(2); KDB558074	Air Temperature:	20.3°C
		Relative Humidity:	39%

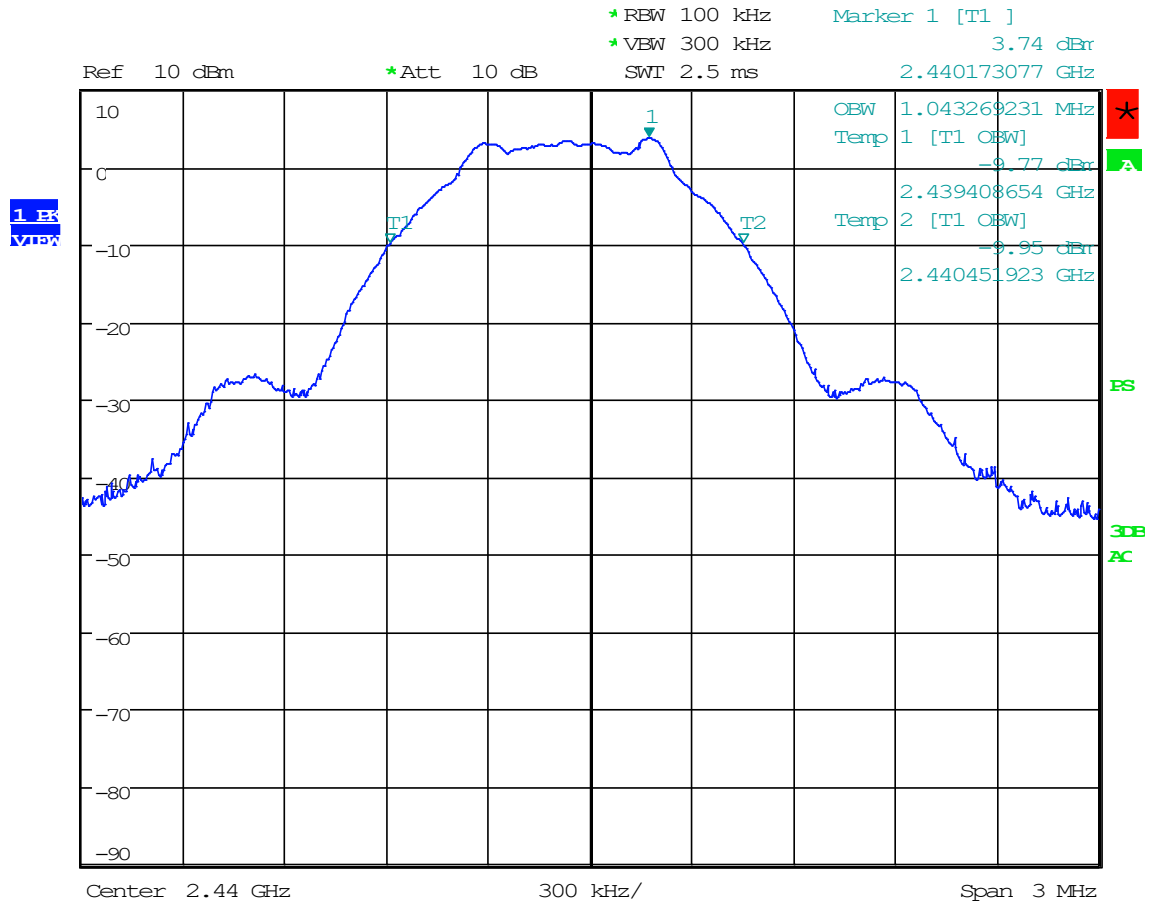
1Mb, 99%: Low Channel



Date: 28.MAY.2026 14:34:28



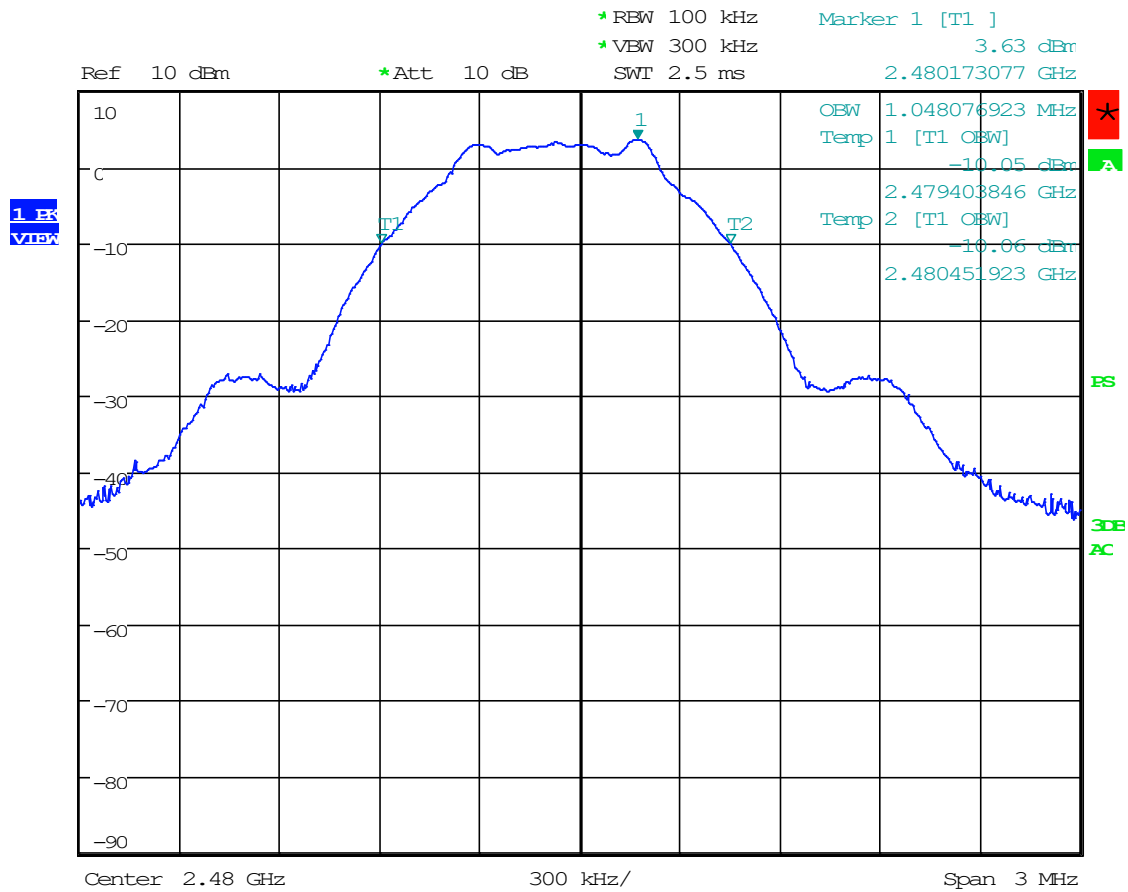
1Mb, 99%: Mid Channel



Date: 28.MAY.2026 14:35:53



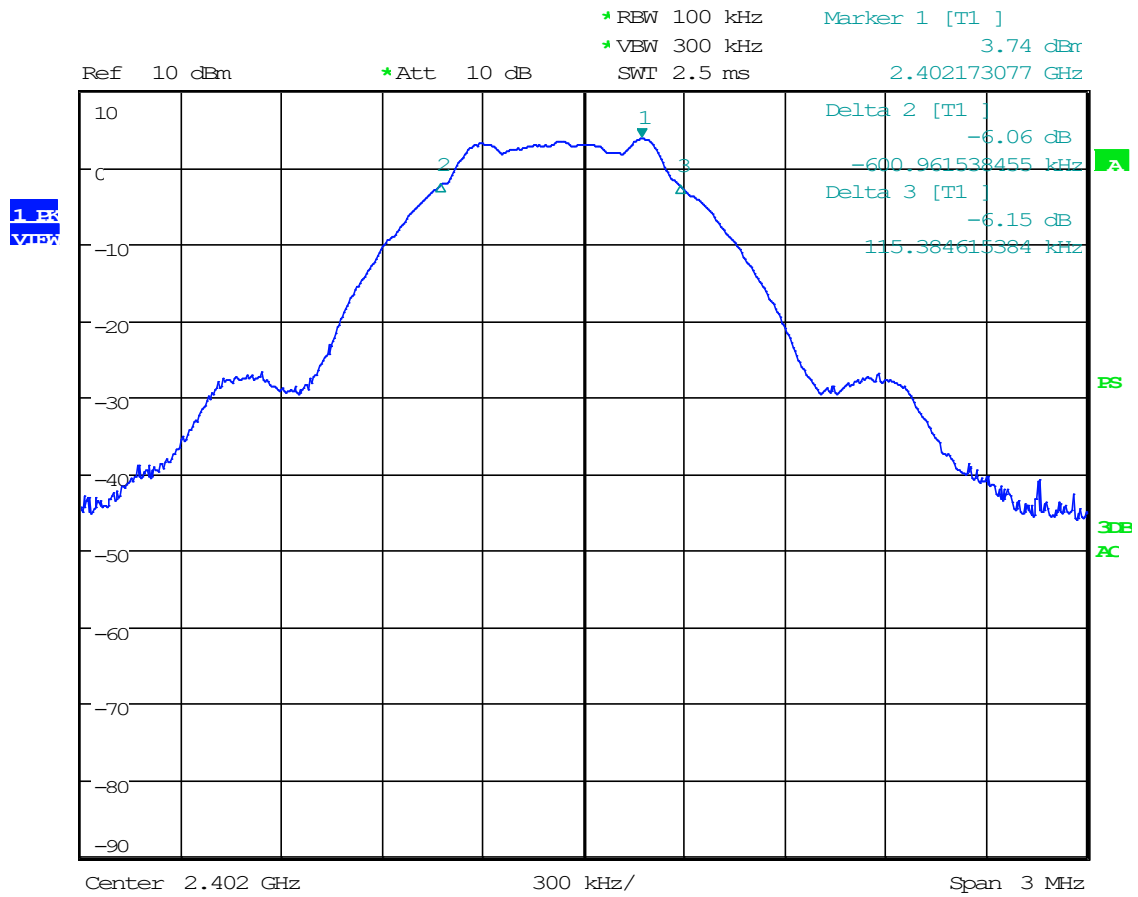
1Mb, 99%: High Channel



Date: 28.MAY.2026 14:37:34



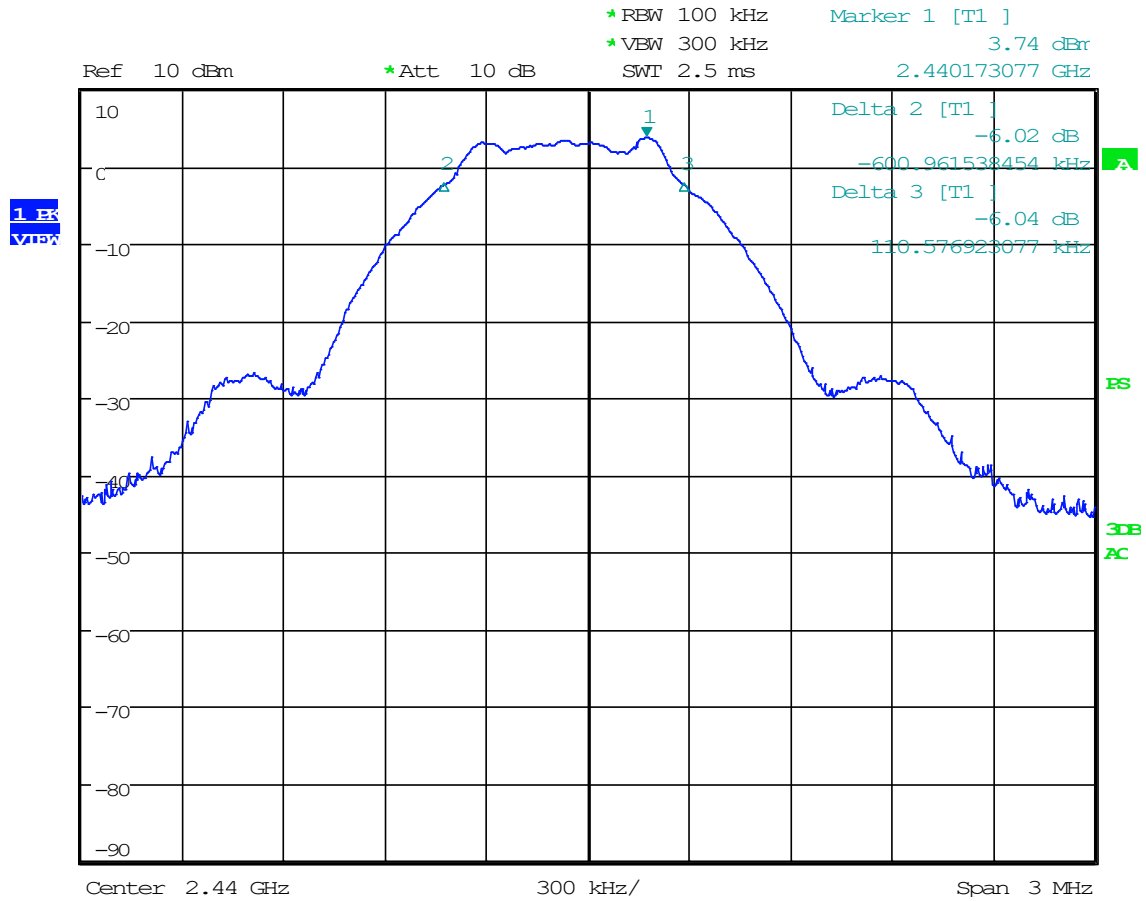
1Mb, -6dB: Low Channel



Date: 28.MAY.2026 14:34:06



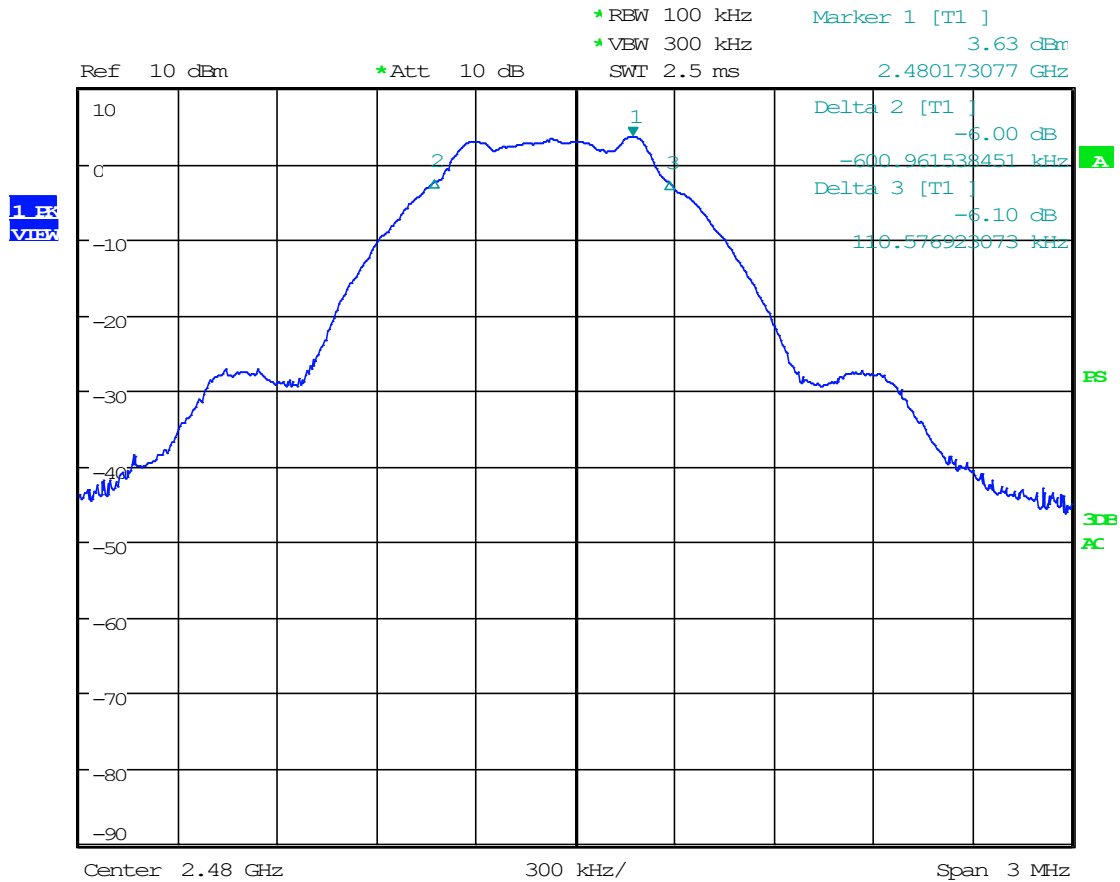
1Mb, -6dB: Mid Channel



Date: 28.MAY.2026 14:35:37



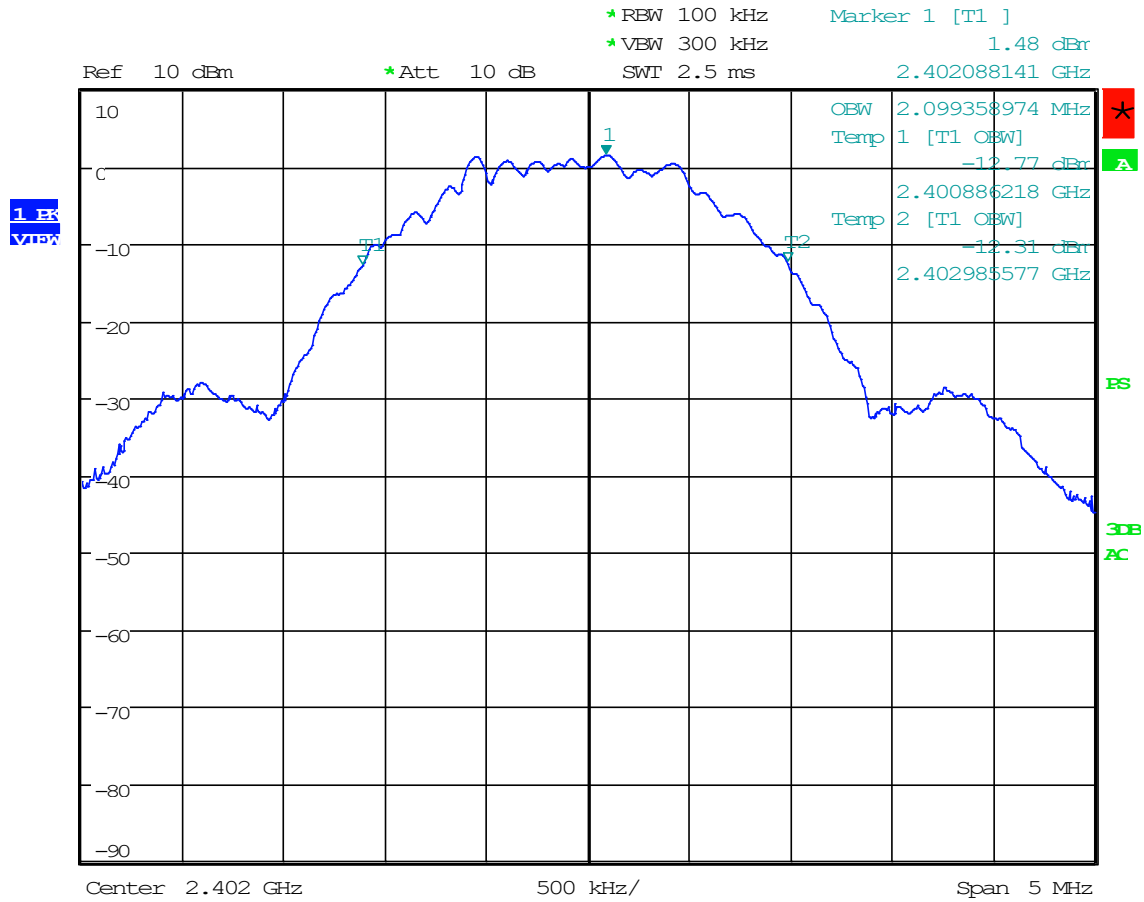
1Mb, -6dB: High Channel



Date: 28.MAY.2026 14:37:10



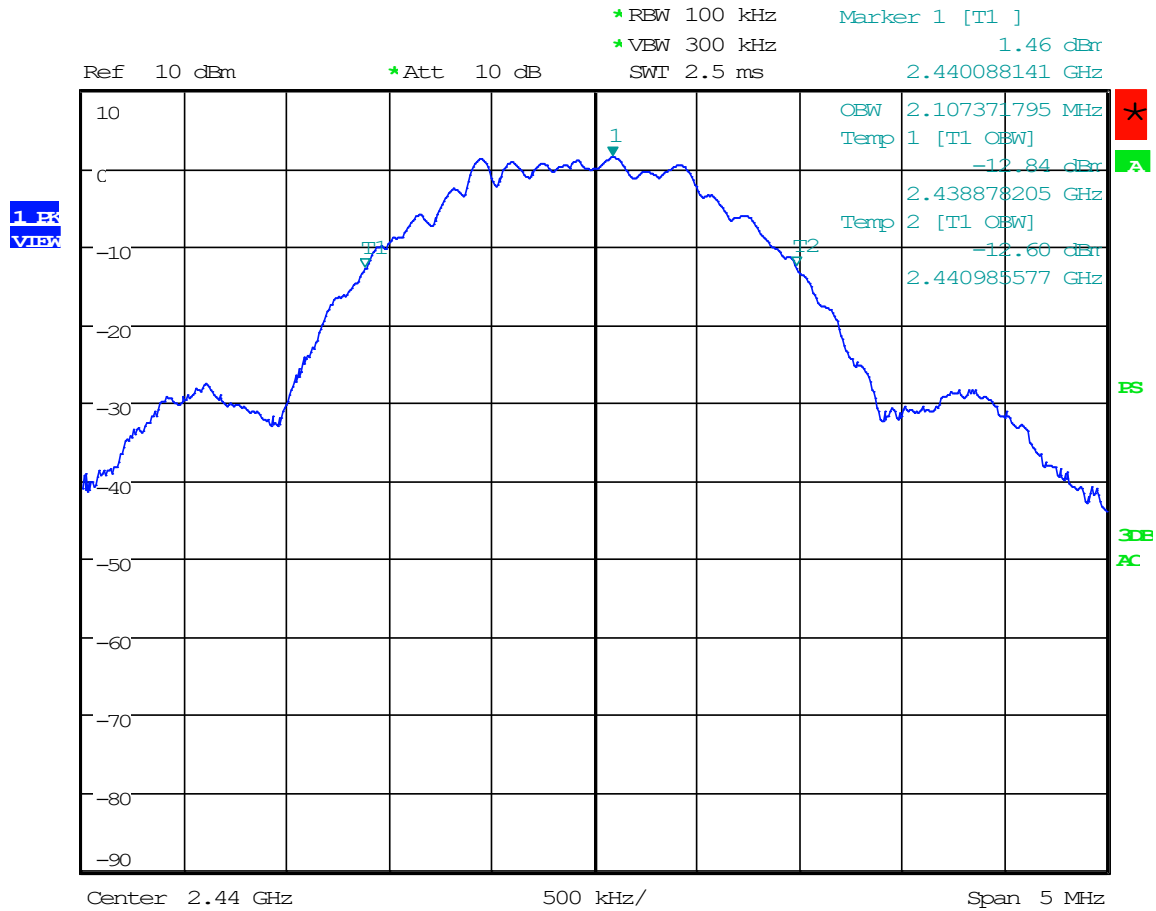
2Mb, 99%: Low Channel



Date: 28.MAY.2026 14:40:11



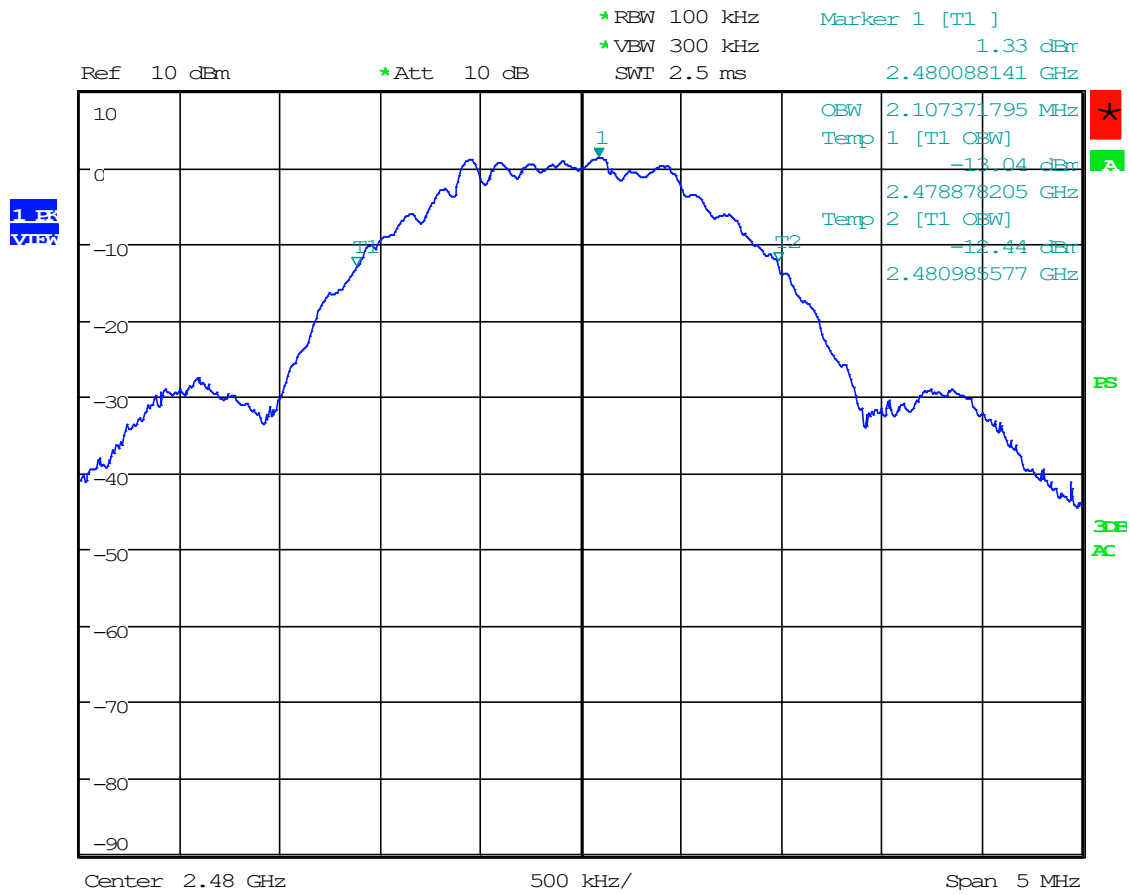
2Mb, 99%: Mid Channel



Date: 28.MAY.2026 14:41:43



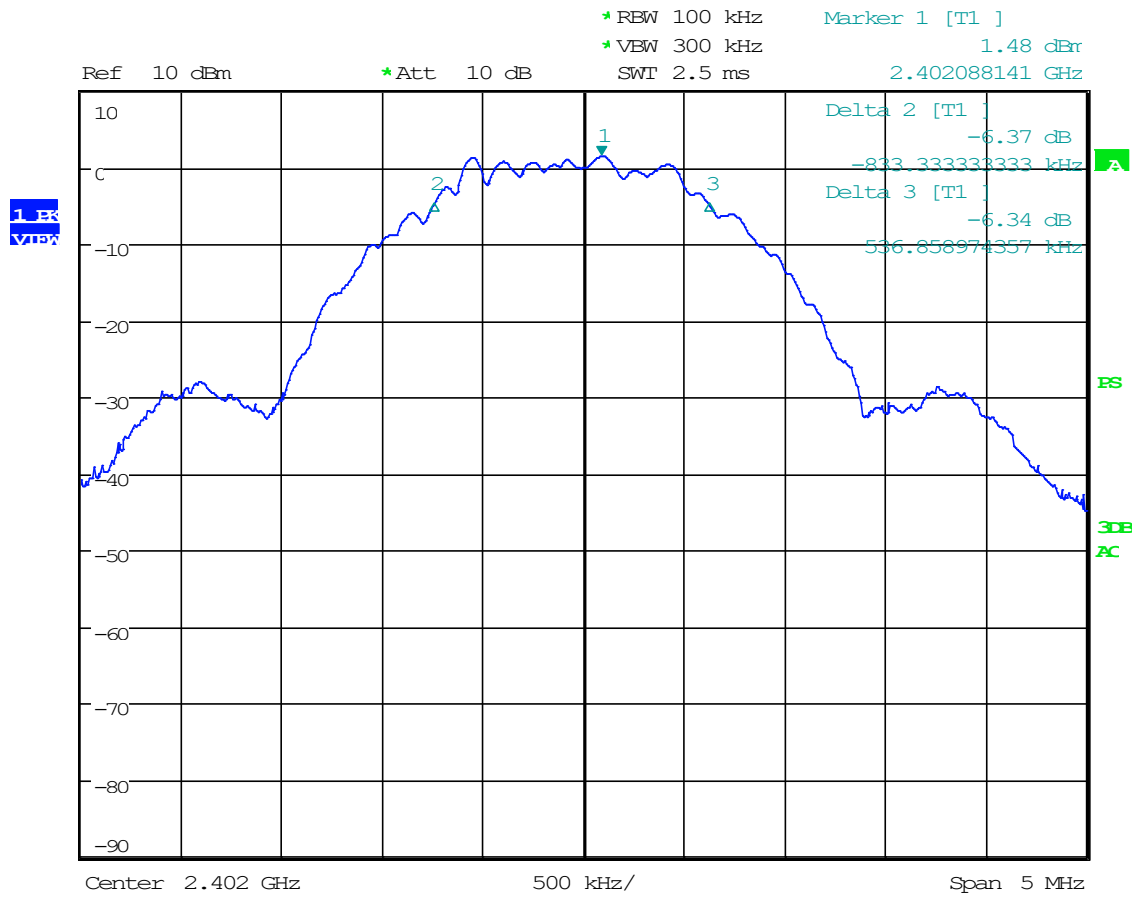
2Mb, 99%: High Channel



Date: 28.MAY.2026 14:43:25



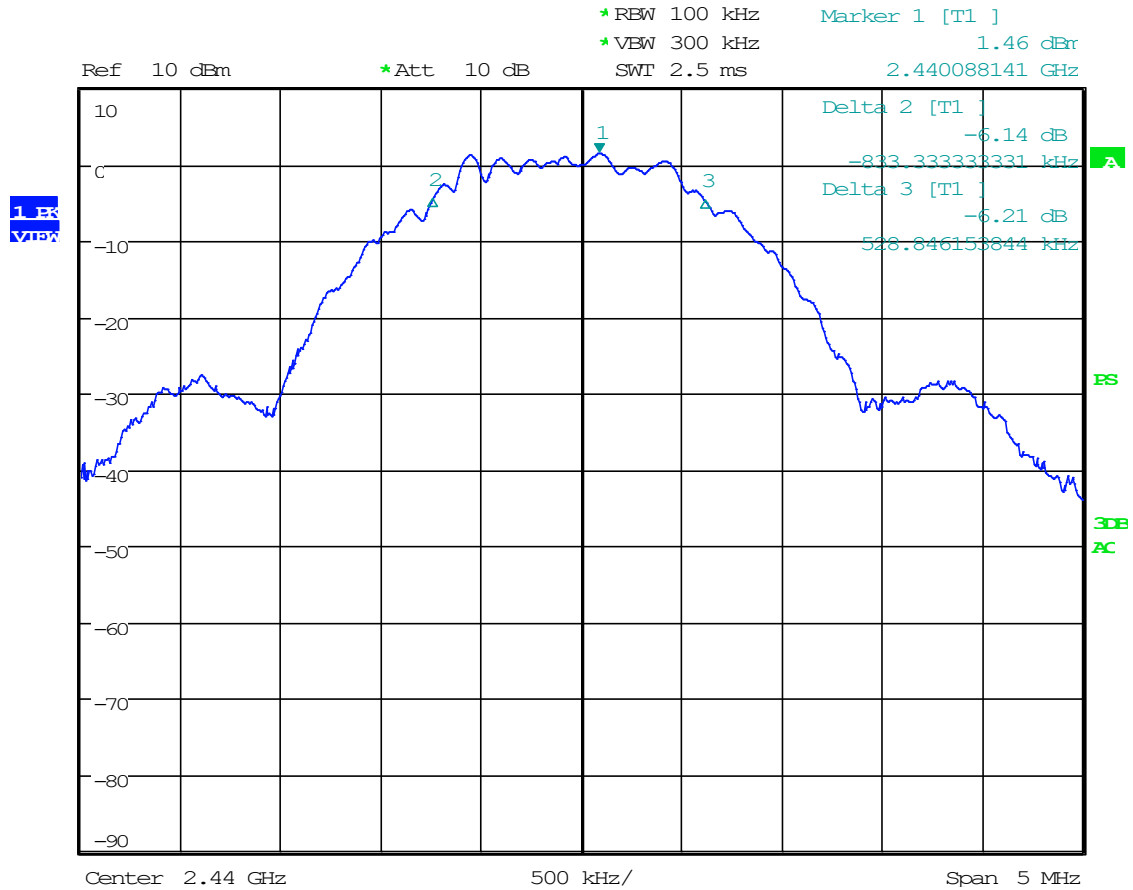
2Mb, -6dB: Low Channel



Date: 28.MAY.2026 14:39:53



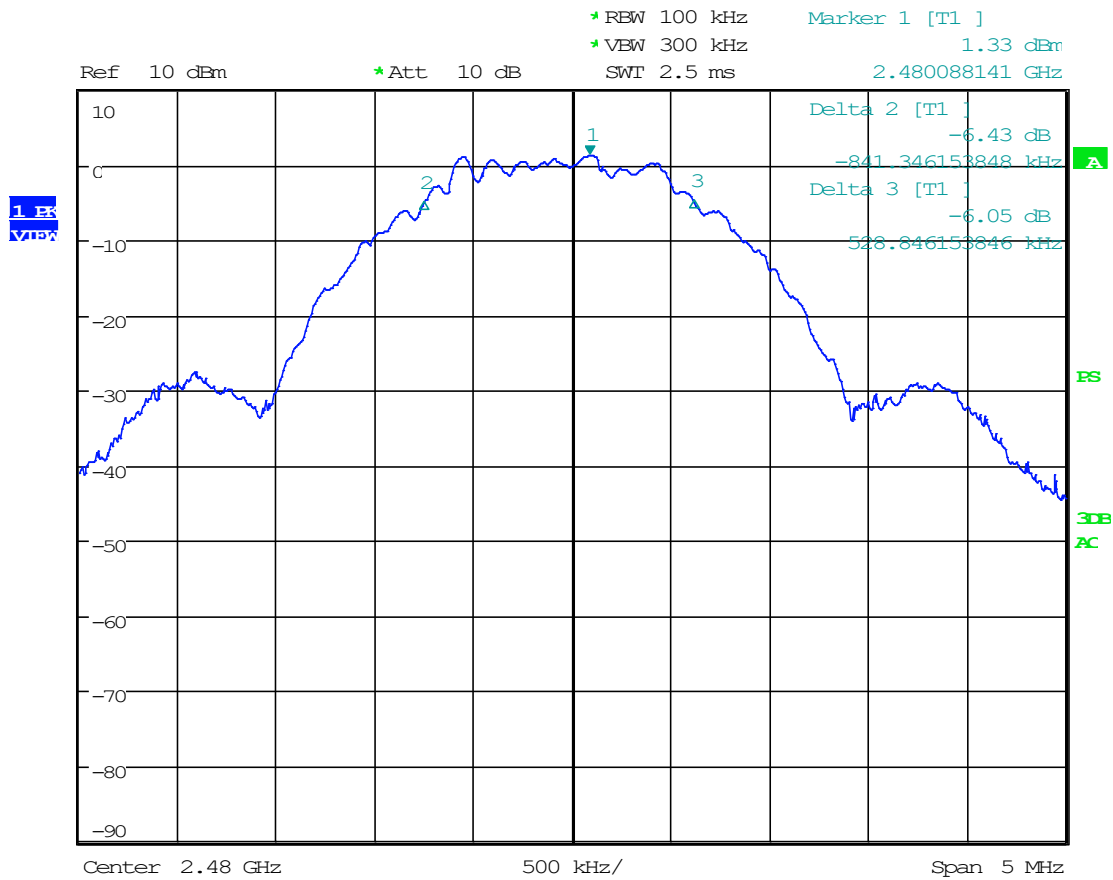
2Mb, -6dB: Mid Channel



Date: 28.MAY.2026 14:41:24



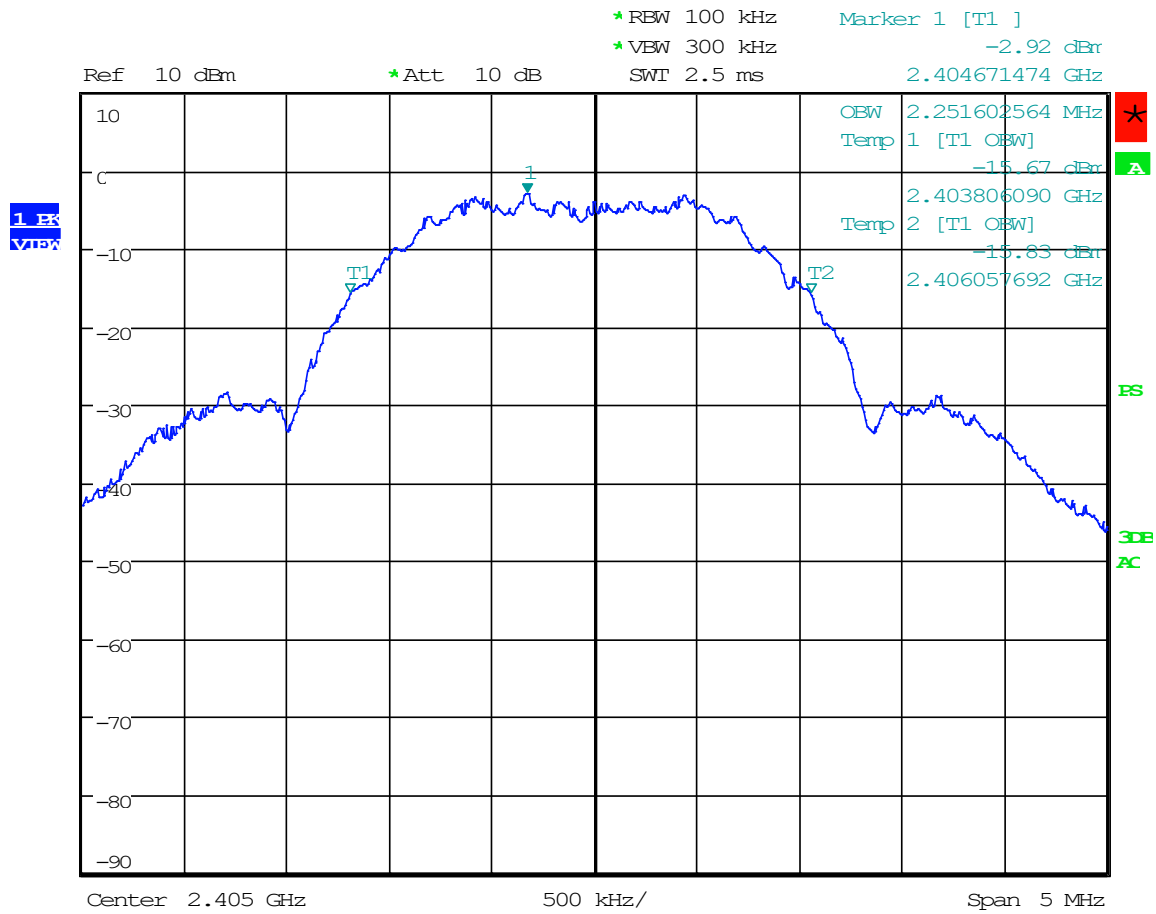
1Mb, -6dB: High Channel



Date: 28.MAY.2026 14:43:06



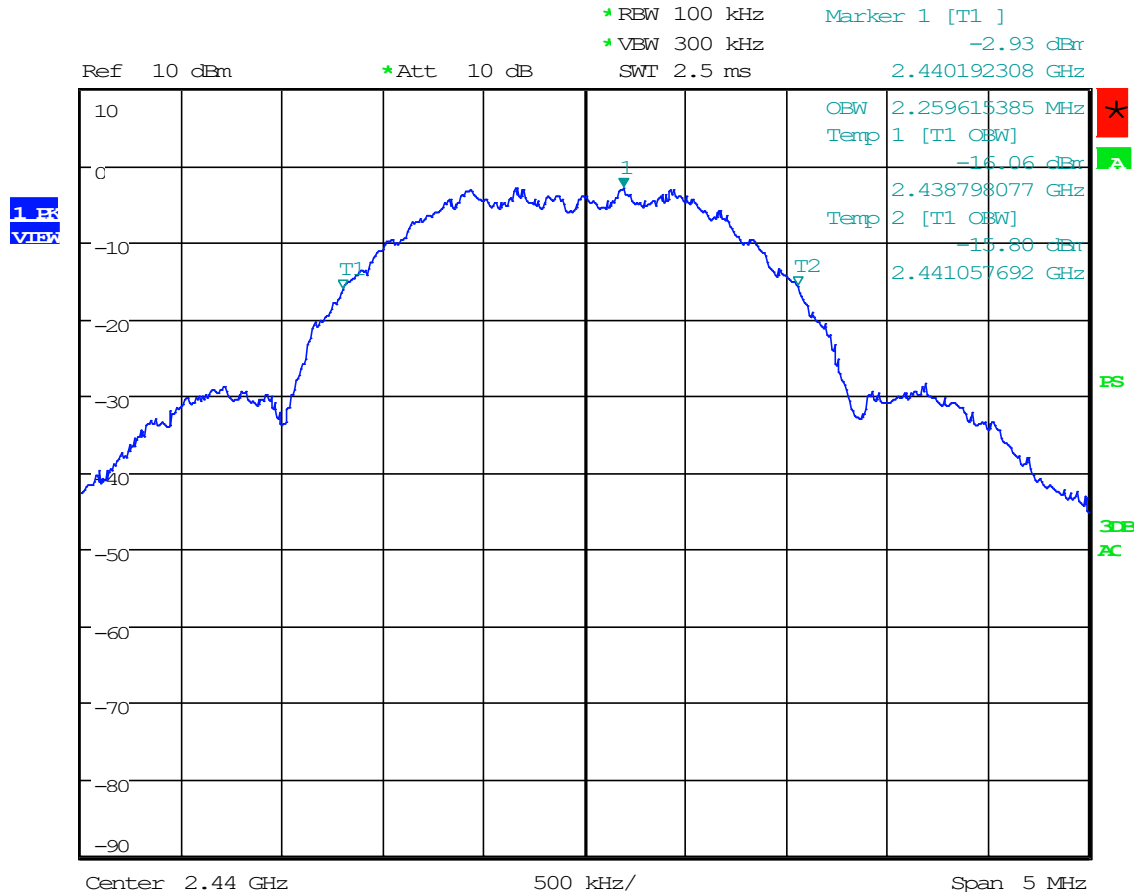
Thread, 99%: Low Channel



Date: 28.MAY.2026 14:47:28



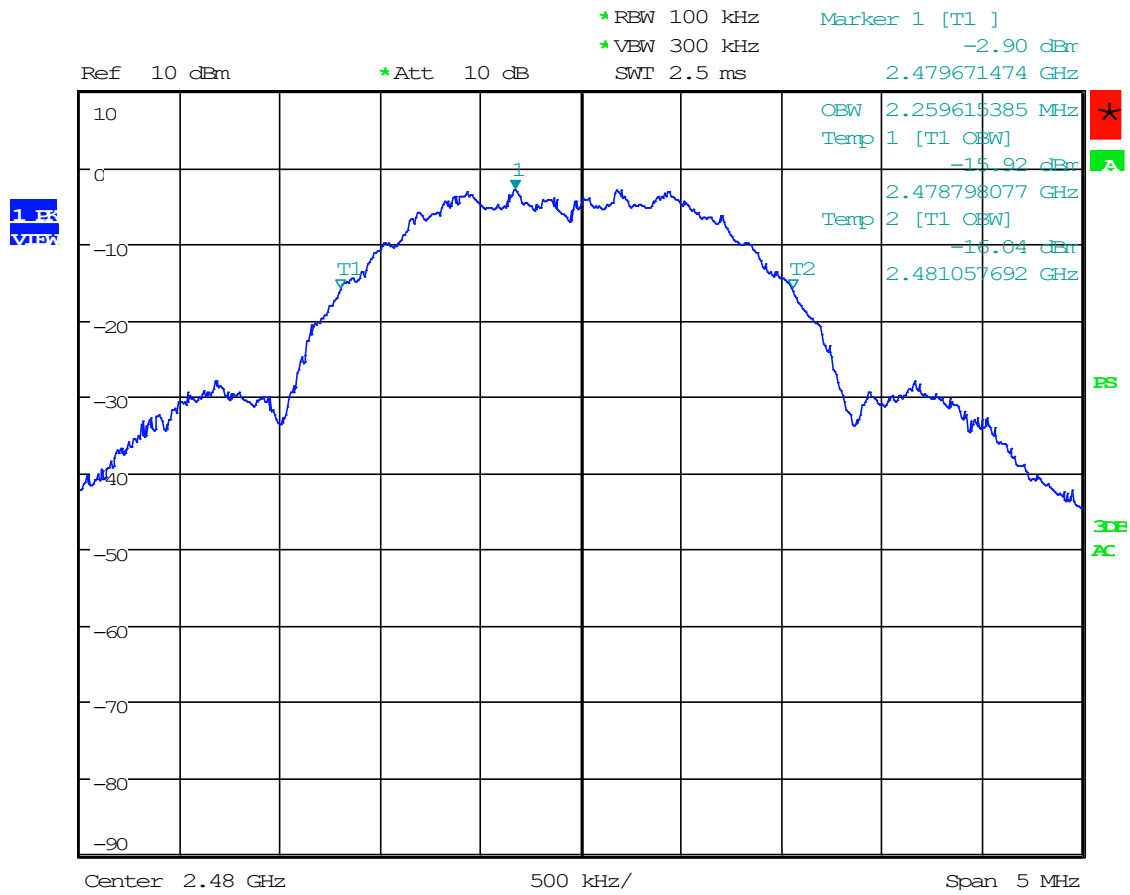
Thread, 99%: Mid Channel



Date: 28.MAY.2026 14:49:09



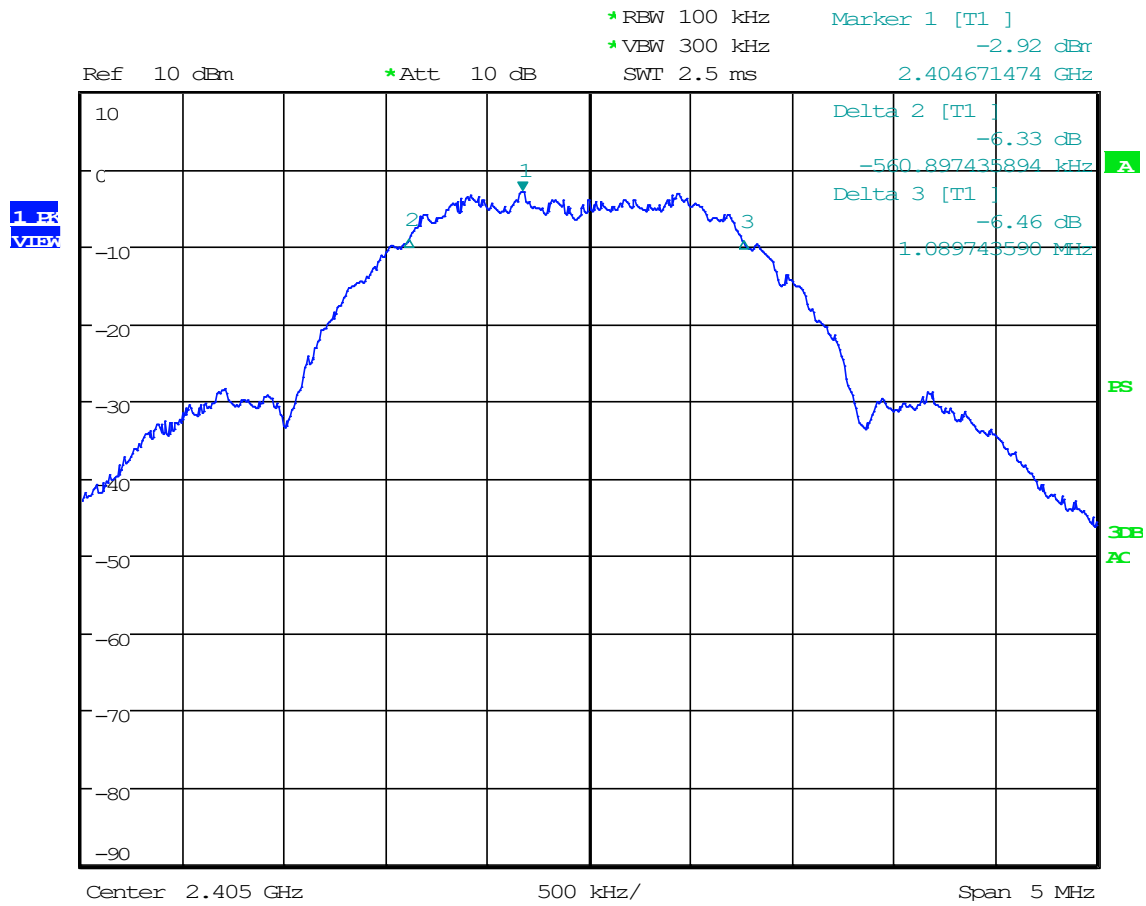
Thread, 99%: High Channel



Date: 28.MAY.2026 14:50:54



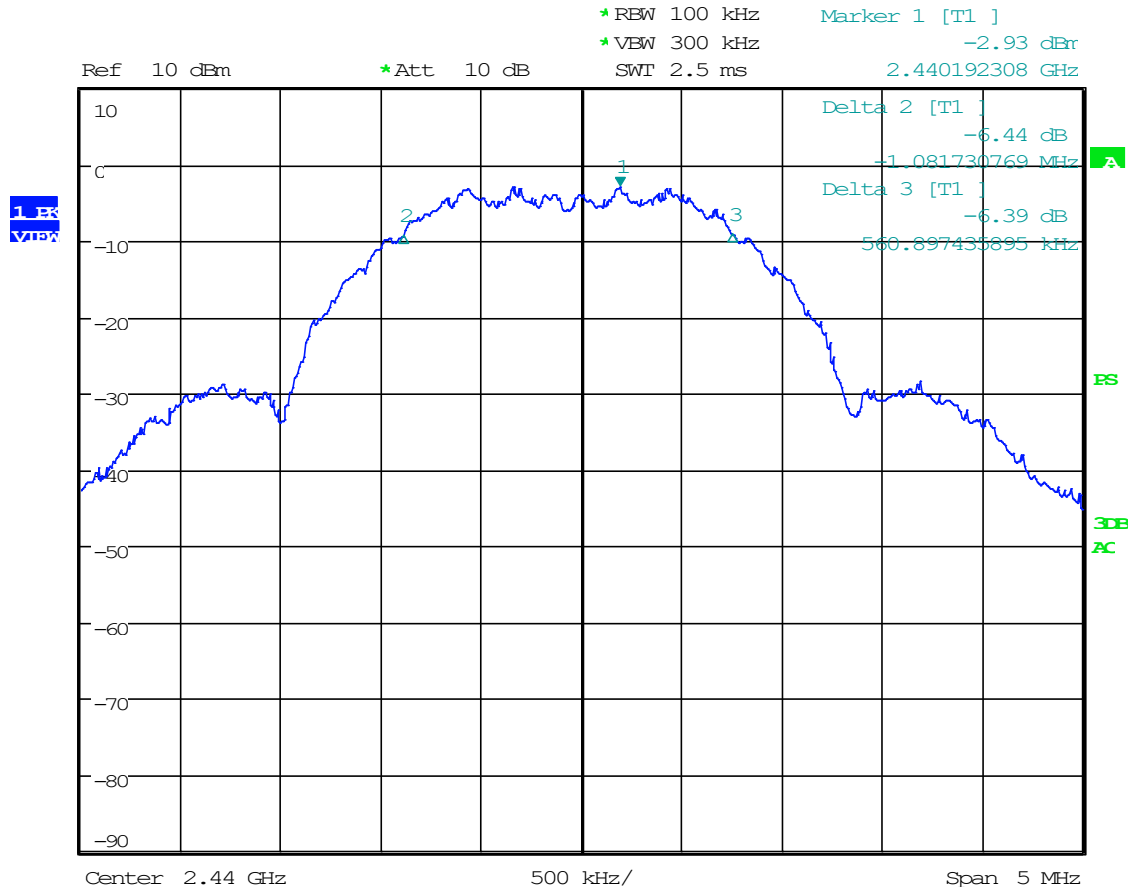
Thread, -6dB: Low Channel



Date: 28.MAY.2026 14:47:08



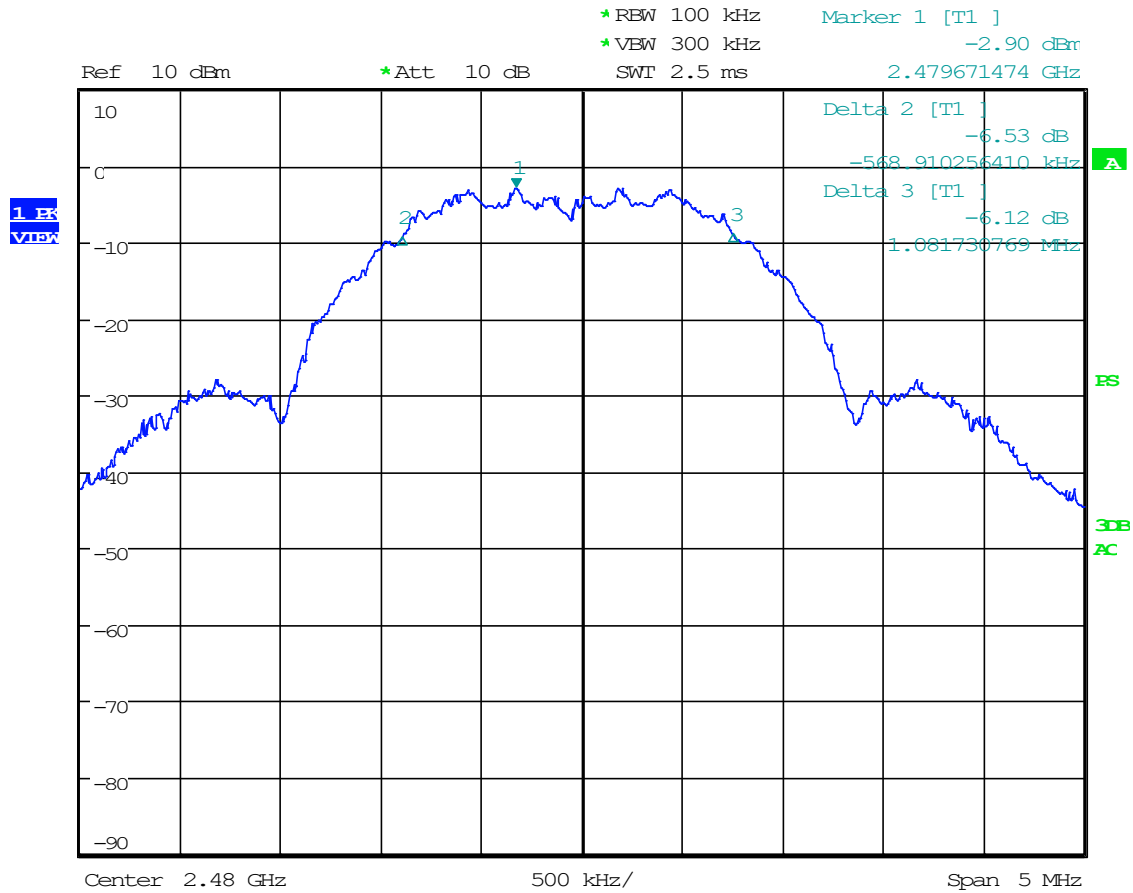
Thread, -6dB: Mid Channel



Date: 28.MAY.2026 14:48:52



Thread, -6dB: High Channel



Date: 28.MAY.2026 14:50:39



8 CONDUCTED OUTPUT POWER

The EUT antenna port was fitted with an SMA connector and directly connected to the input of the receiver. The peak power output was measured.

8.1 Requirements:

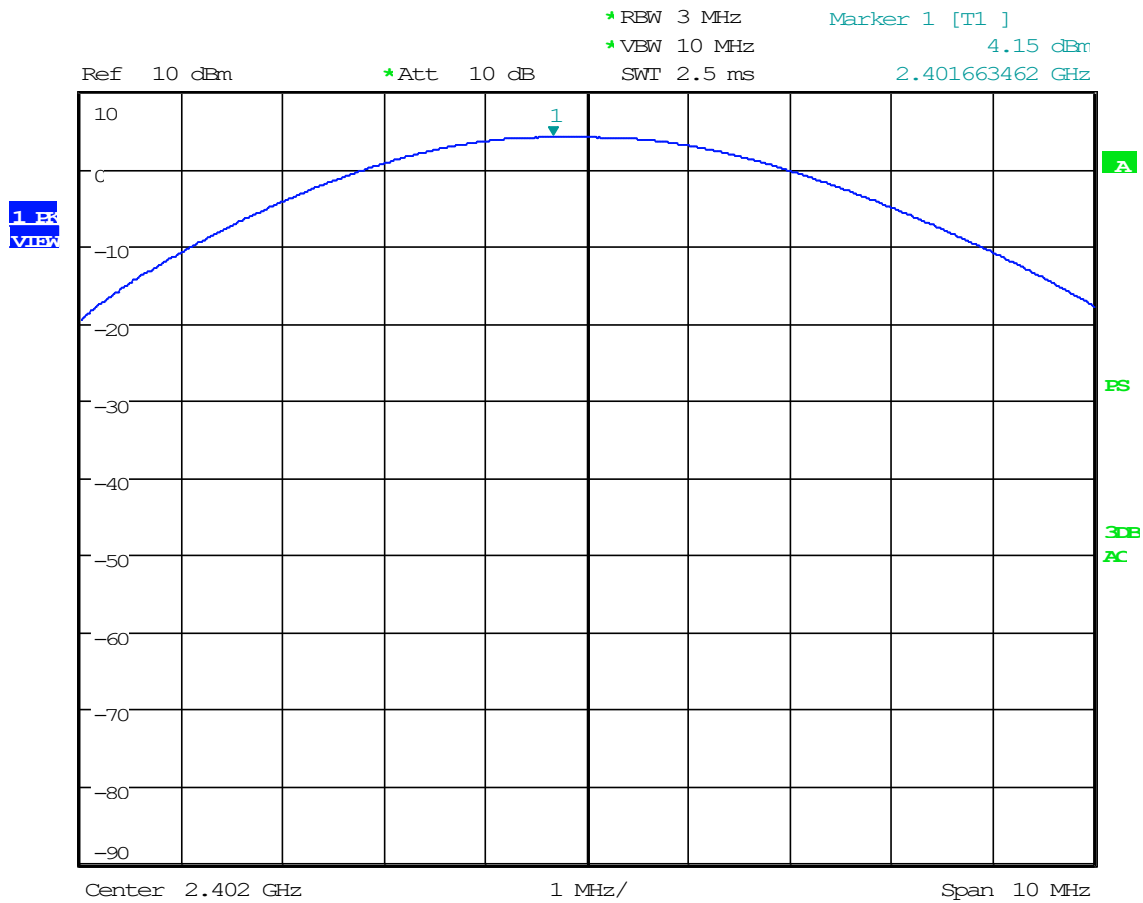
The peak power output shall be 1 watt (30 dBm) or less when using an antenna with a gain of less than 6dBi. For antennas having a gain of more than 6dBi, the limit is reduced by 1dB for every dB the antenna gain is over 6dBi.



8.2 Conducted Output Power Test Data

Test Date:	2026-05-28	Test Engineer:	E. Tobin
Standards:	CFR 47 Part 15.247(b)(3); KDB558074	Air Temperature:	20.3°C
		Relative Humidity:	39%

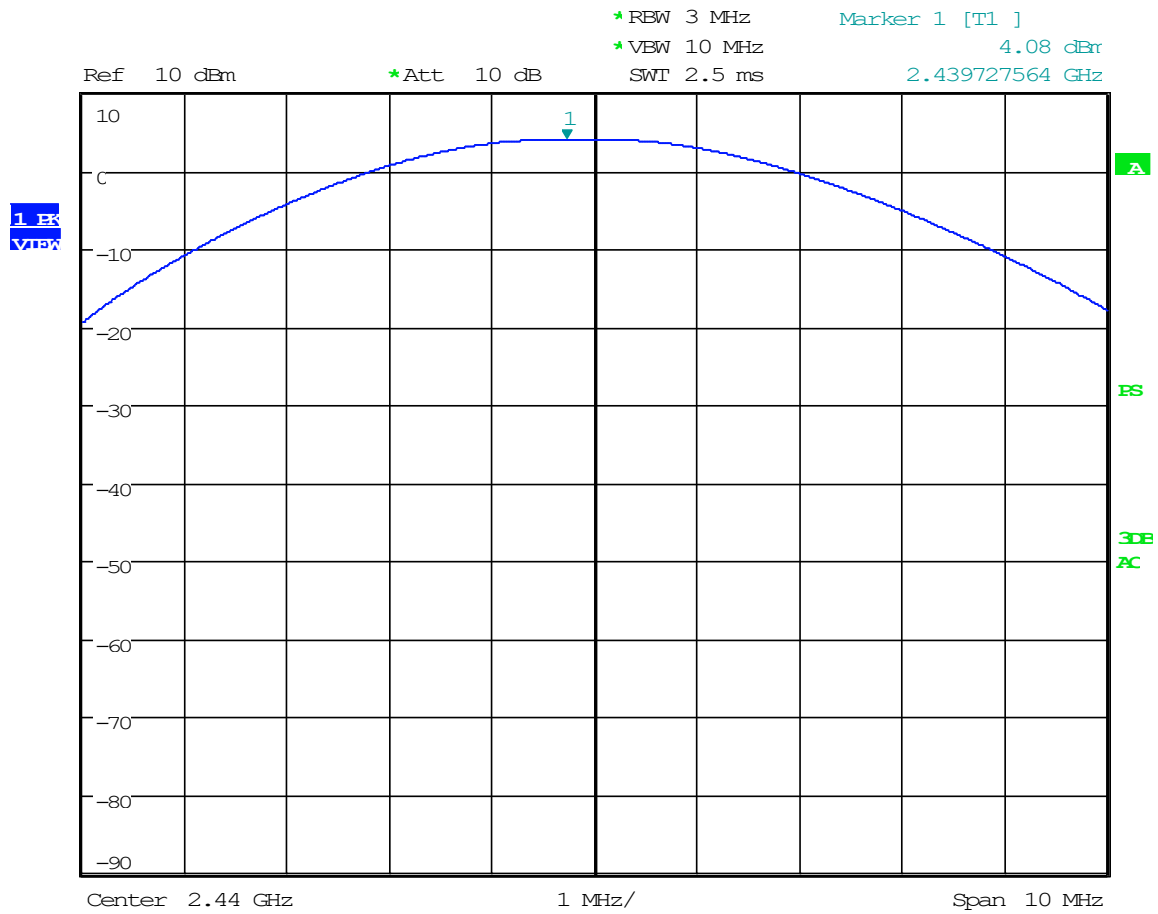
1Mb: Low Channel



Date: 28.MAY.2026 11:22:51



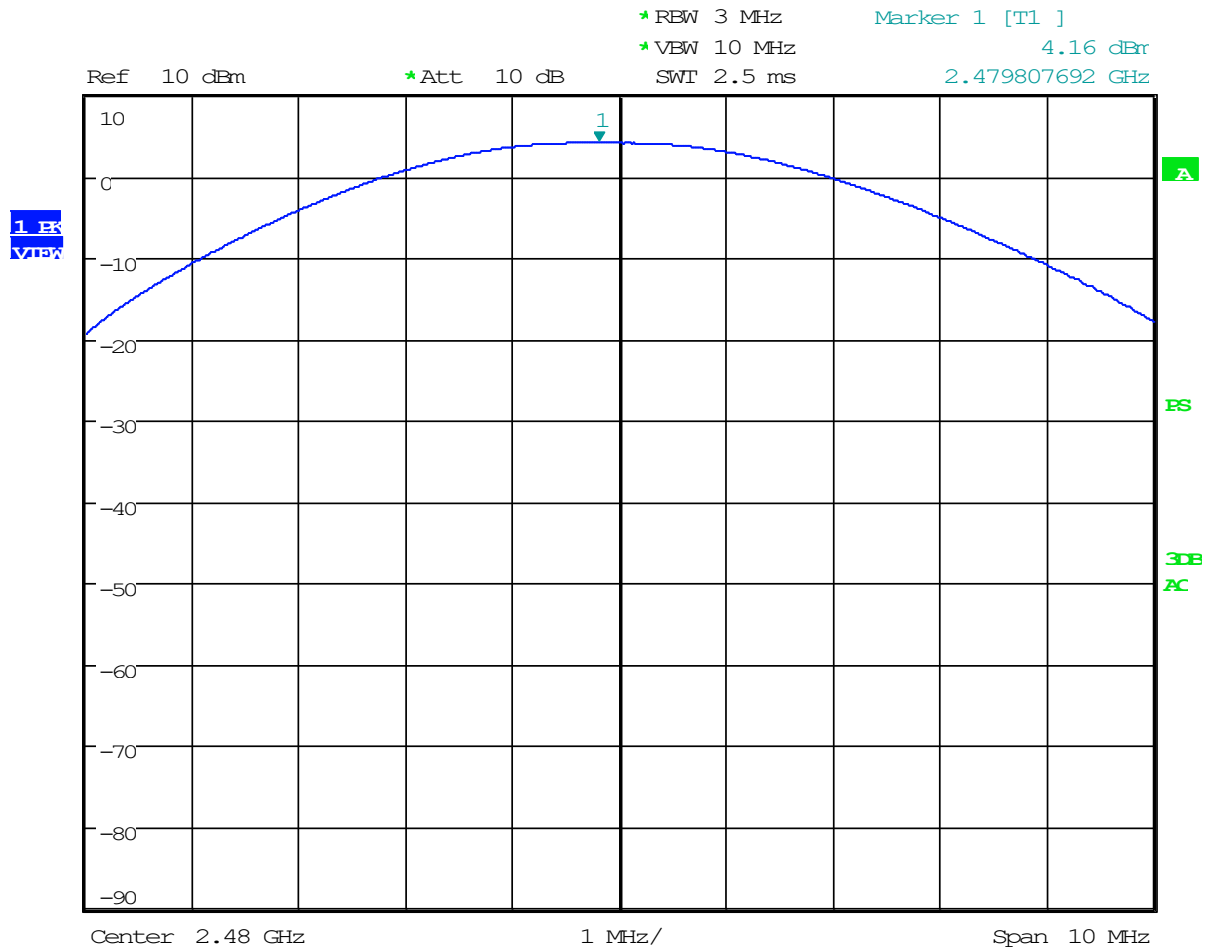
1Mb: Mid Channel



Date: 28.MAY.2026 11:29:43



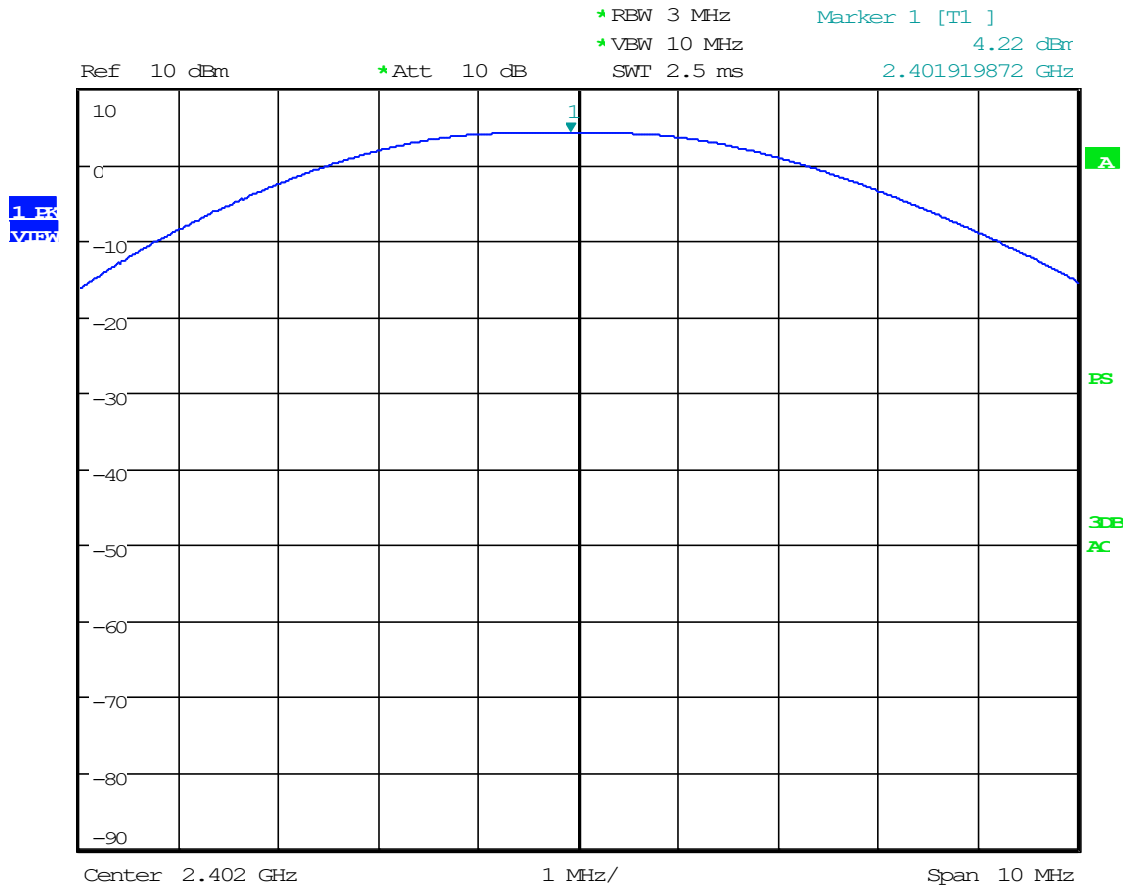
1Mb: High Channel



Date: 28.MAY.2026 11:30:36

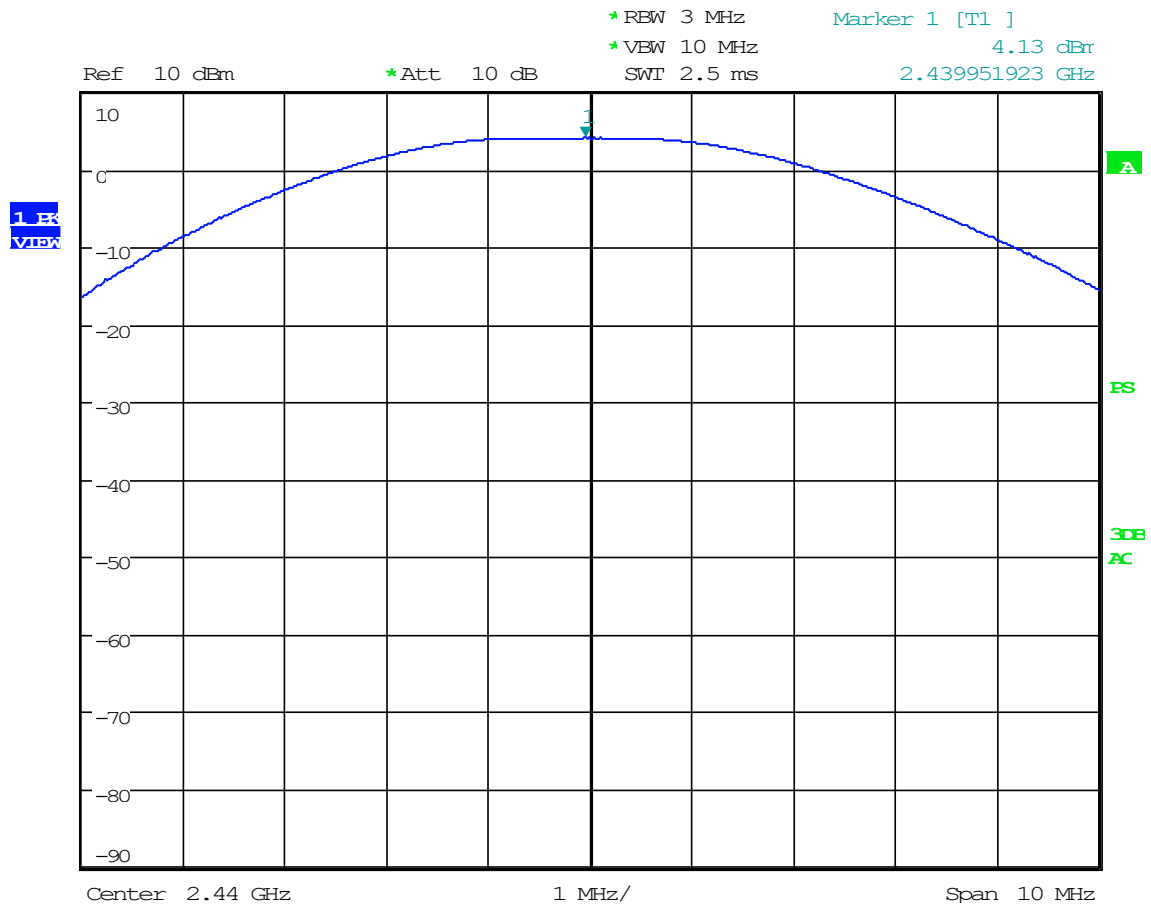


2Mb: Low Channel





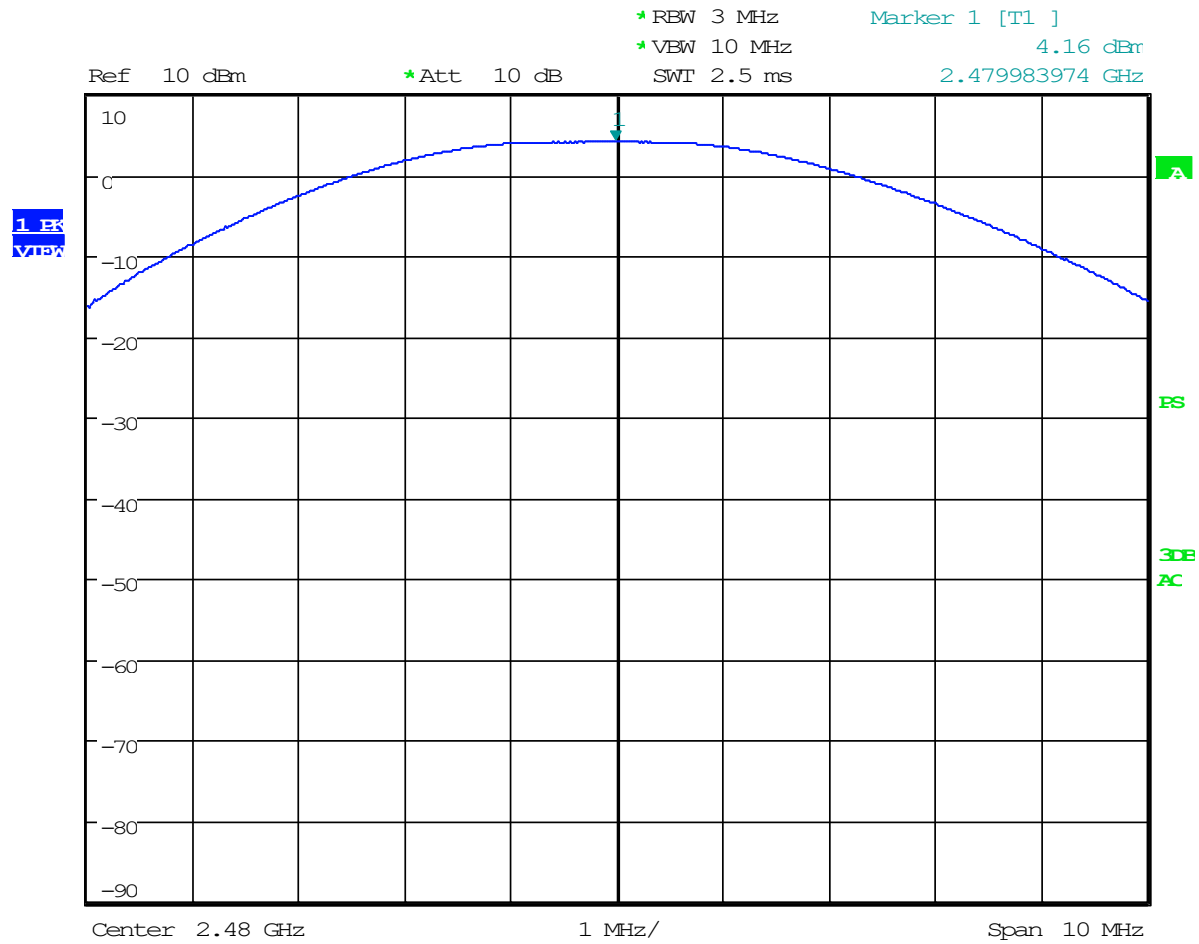
2Mb: Mid Channel



Date: 28.MAY.2026 11:36:15



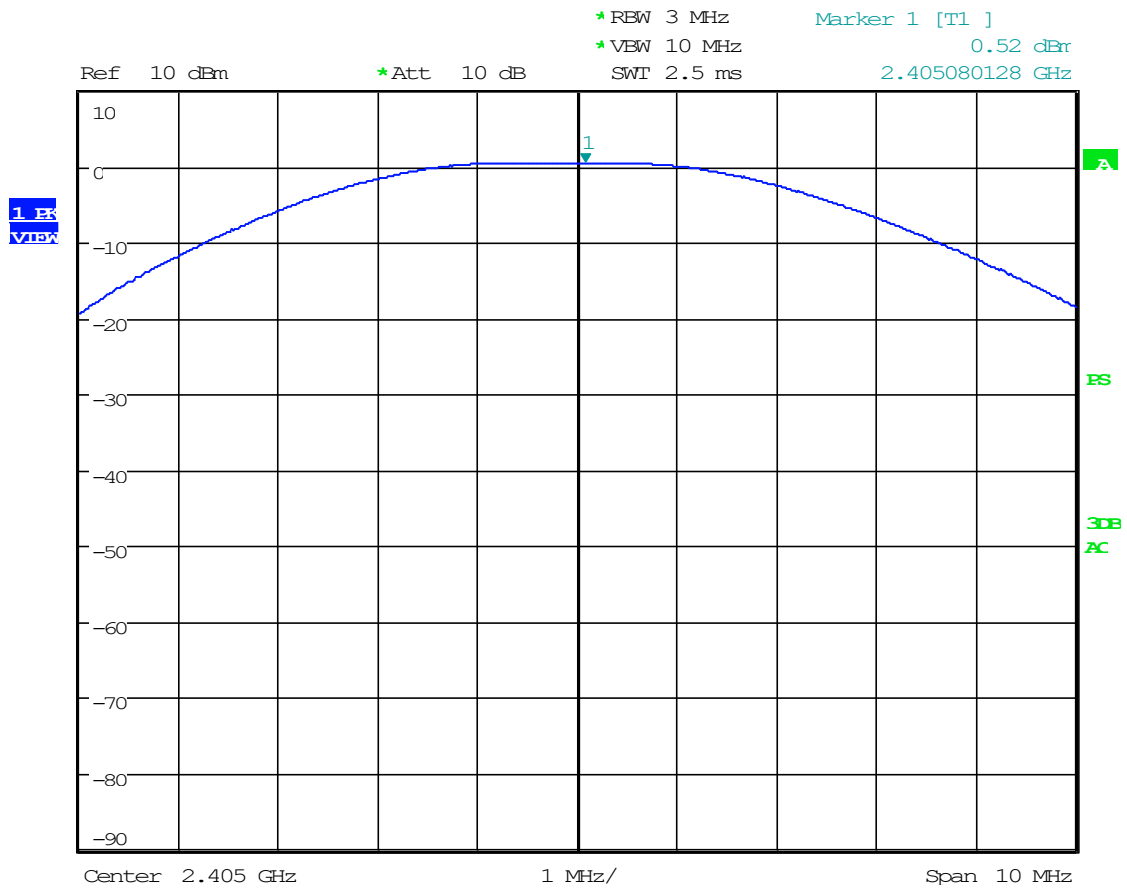
2Mb: High Channel



Date: 28.MAY.2026 11:36:58

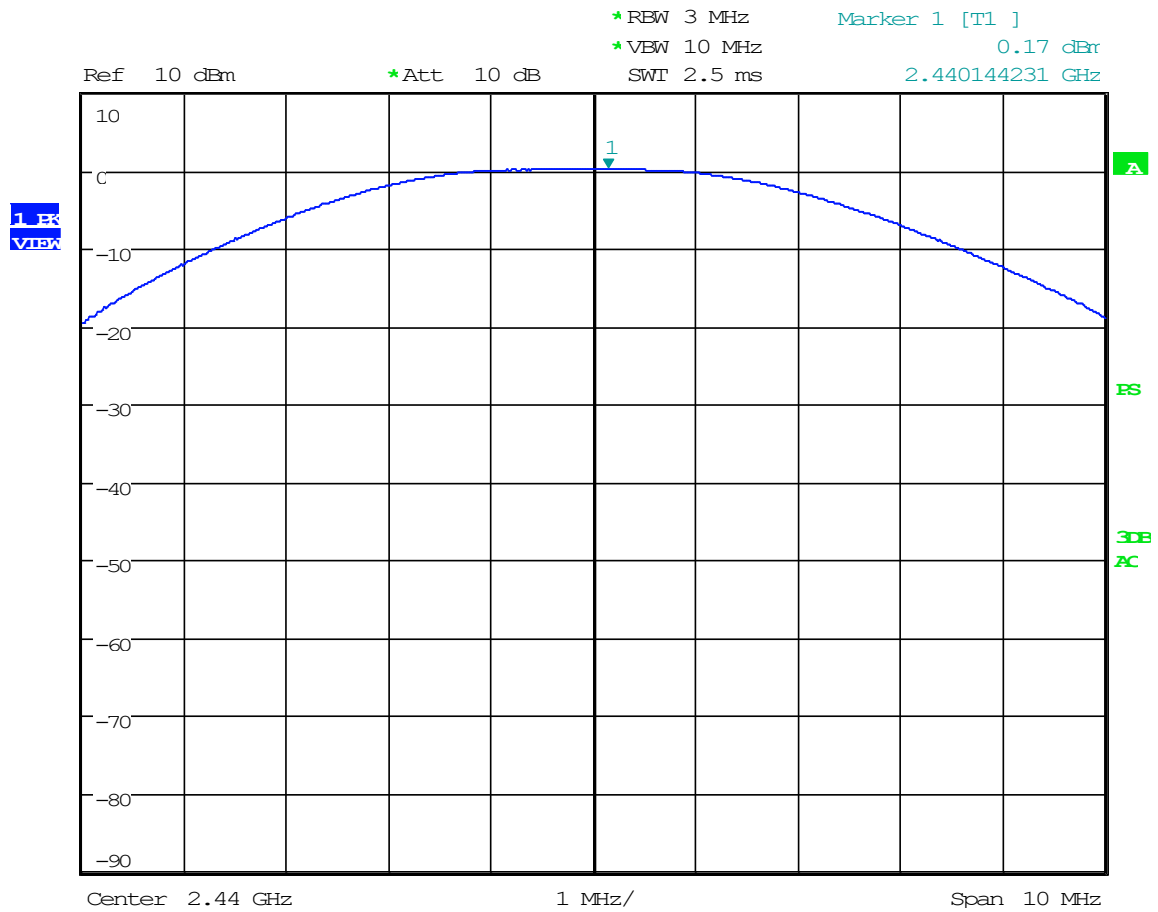


Thread: Low Channel





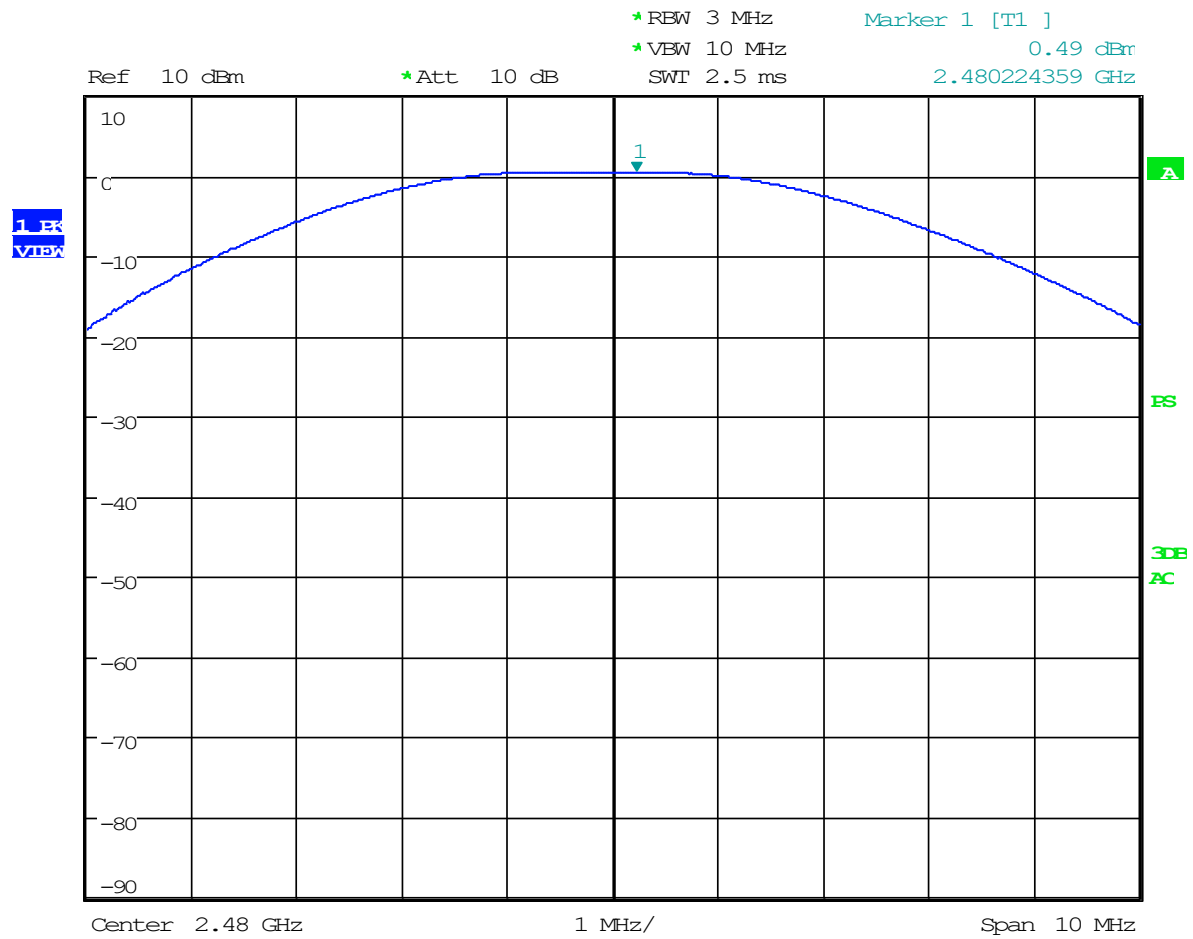
Thread: Mid Channel



Date: 28.MAY.2026 11:59:07



Thread: High Channel



Date: 28.MAY.2026 11:59:57



9 CONDUCTED SPURIOUS EMISSIONS

The following tests were performed to demonstrate compliance.

RF Antenna Conducted Test

The EUT antenna port was fitted with an SMA connector and directly connected to the input of the spectrum analyzer.

9.1 Requirements:

All Spurious Emissions must be at least 20dB down from the highest emission level measured within the authorized band up through the tenth harmonic.

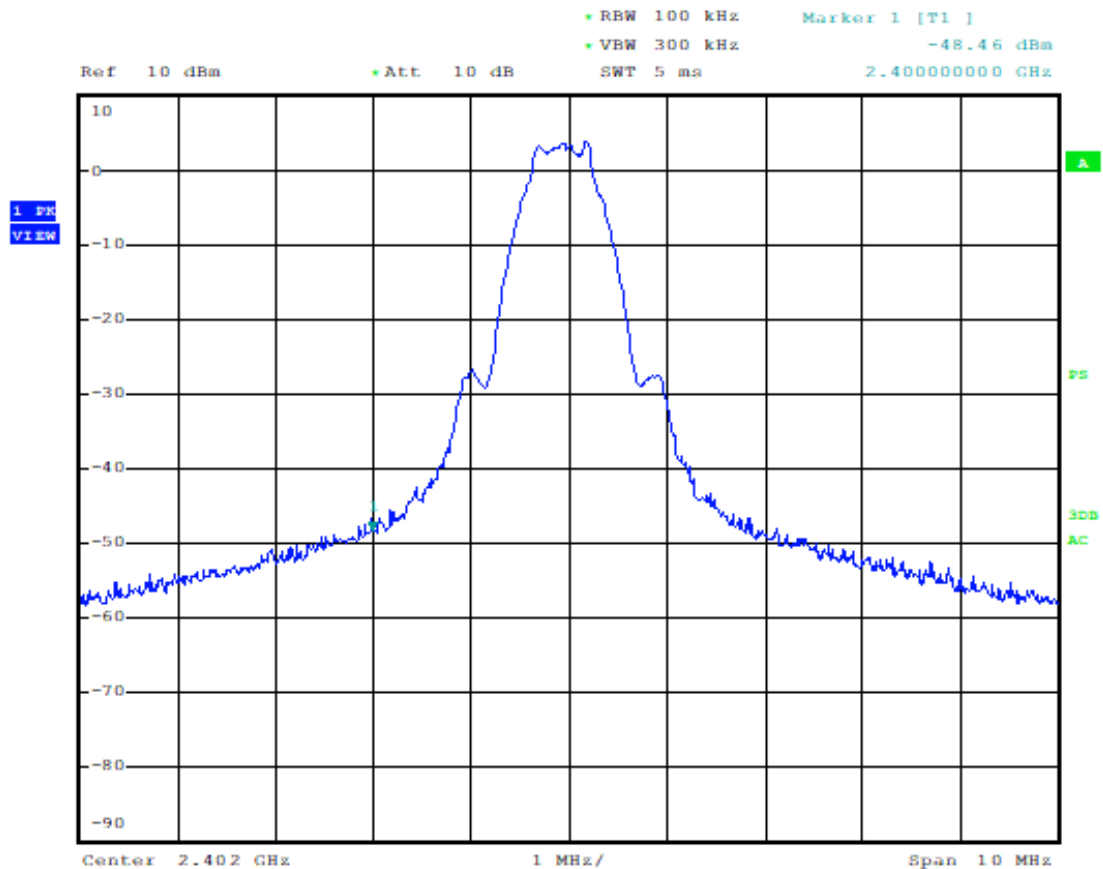
Spurious emissions measurements were made at the low, mid, and upper channels with the appropriate spectrum analyzer impulse bandwidth. Additionally, 20dB down points were measured for the low and high channels to verify band edge compliance.



9.2 Conducted Spurious Emissions Test Data

Test Date:	2026-05-28	Test Engineer:	E. Tobin
Standards:	CFR 47 Part 15.247(d) / Part 15.207 KDB558074	Air Temperature:	21.0°C
		Relative Humidity:	44%
Results:	Complies		

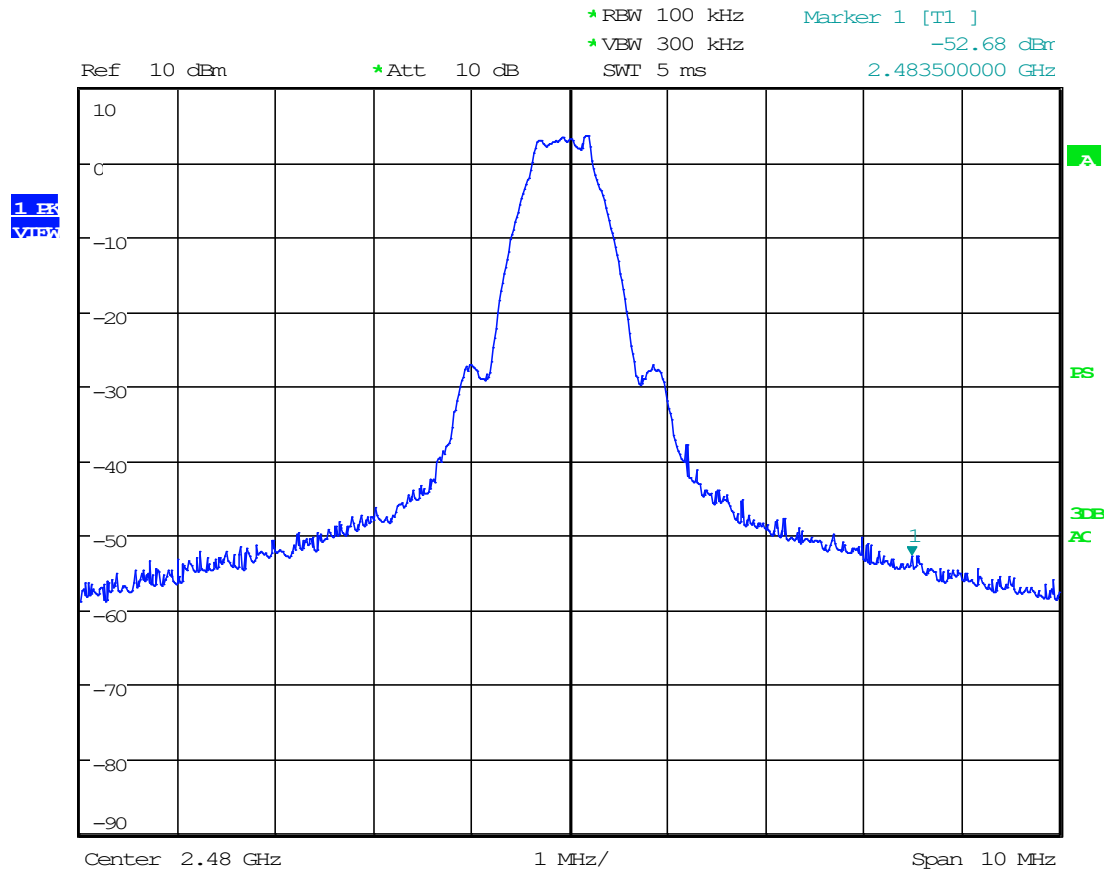
1 Mb: Low Band Edge



Date: 28.MAY.2026 13:20:15



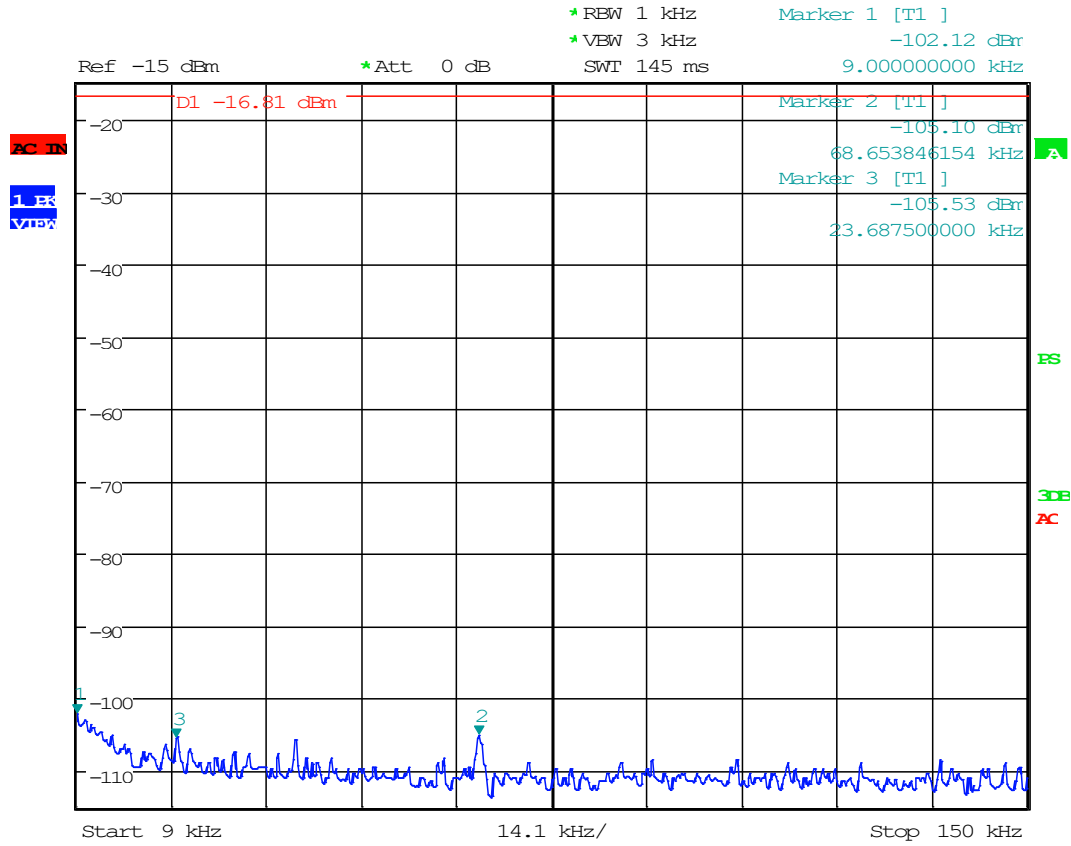
1Mb: High Band Edge



Date: 28.MAY.2026 13:23:21



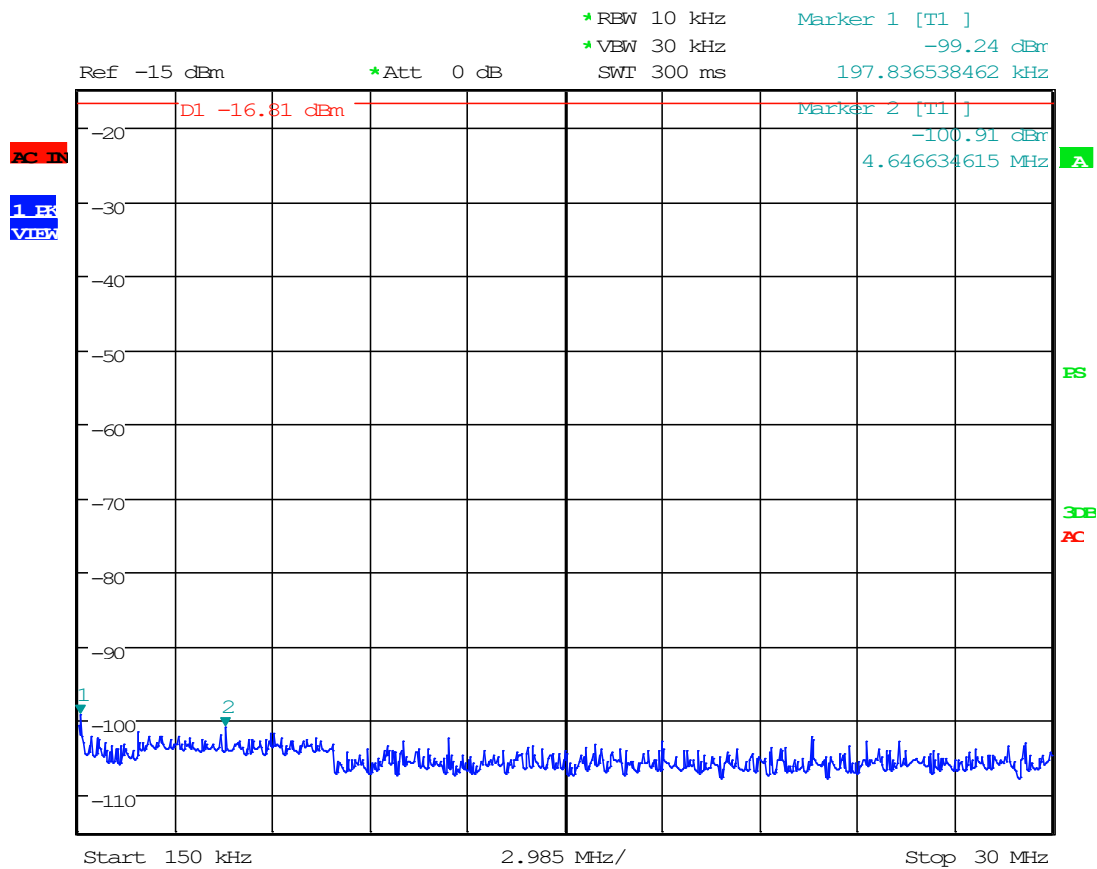
1Mb, Low Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 13:01:15



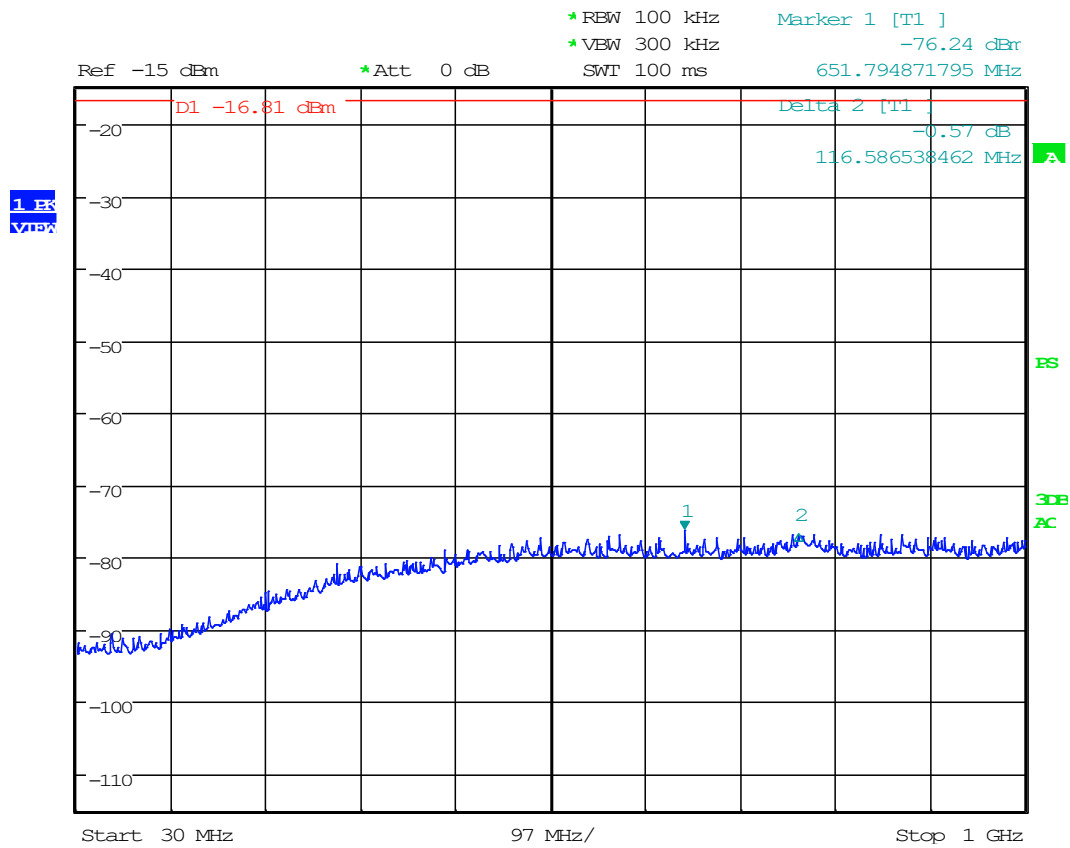
1Mb, Low Channel: 0.15 MHz to 30 MHz



Date: 28.MAY.2026 13:02:19



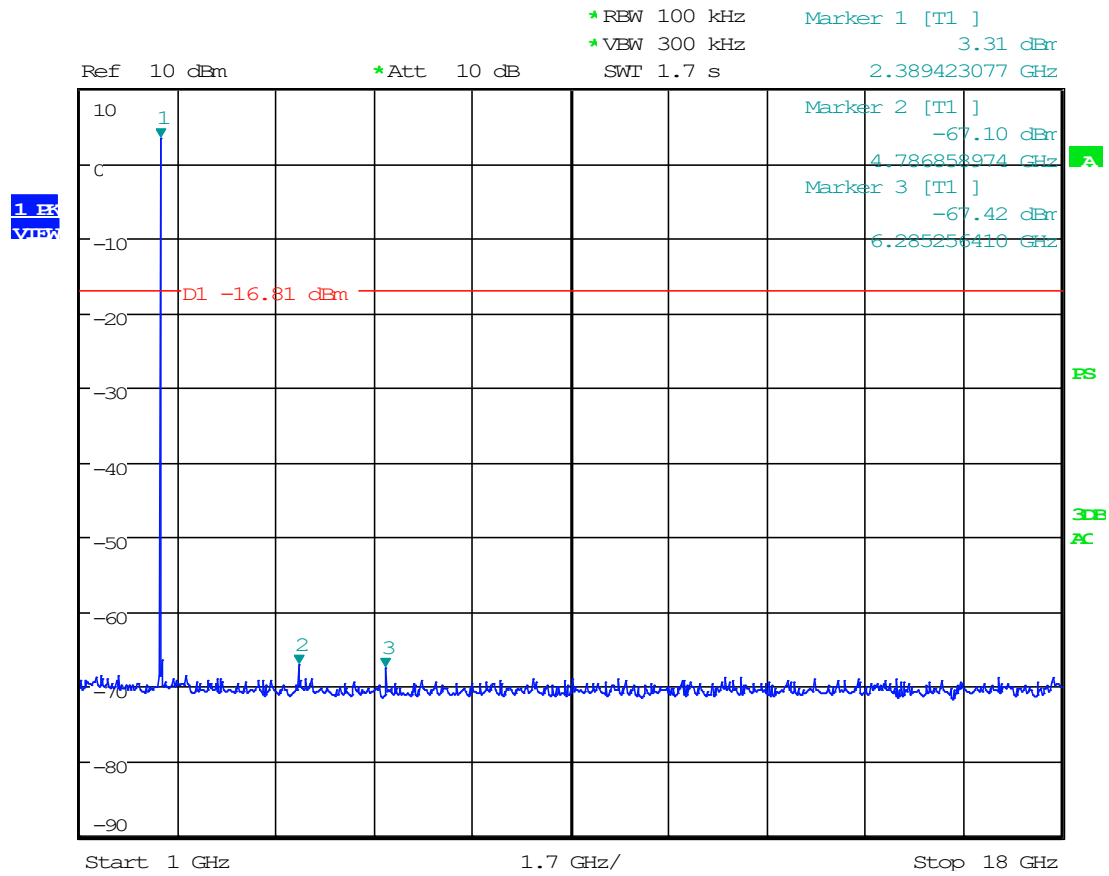
1Mb, Low Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 13:03:13



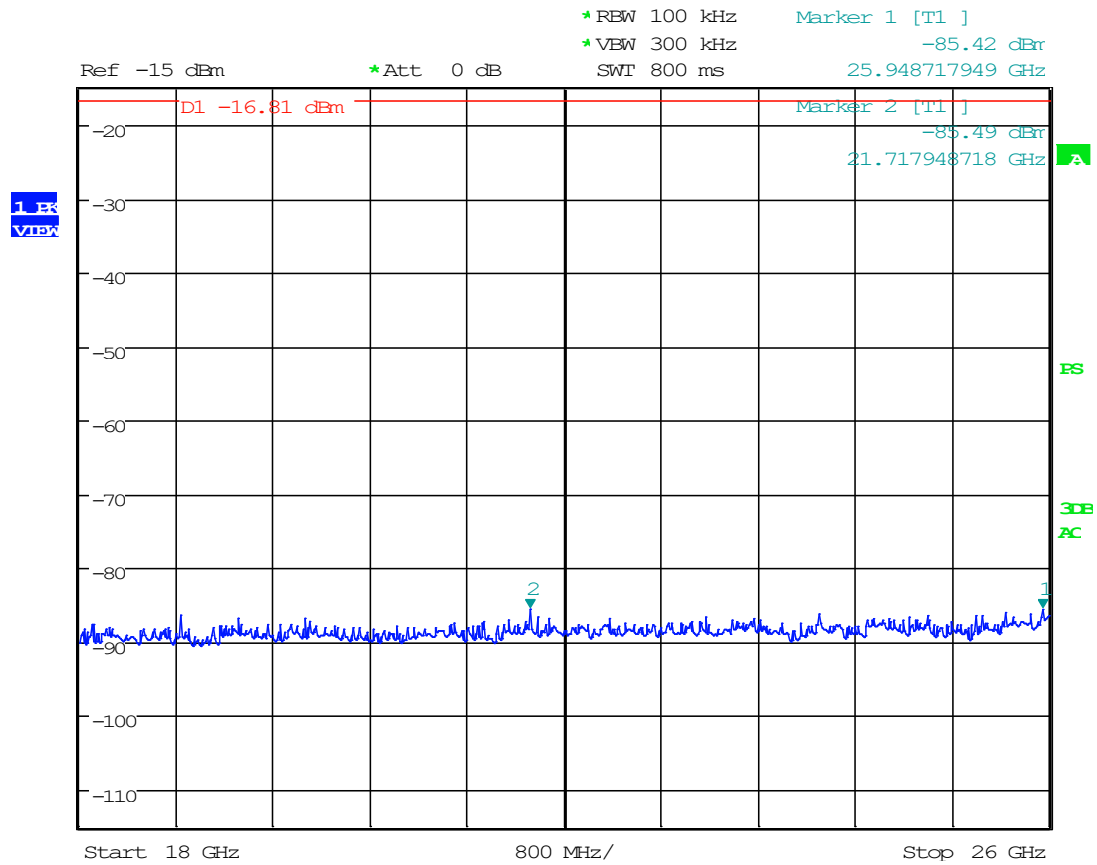
1Mb, Low Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 13:04:54



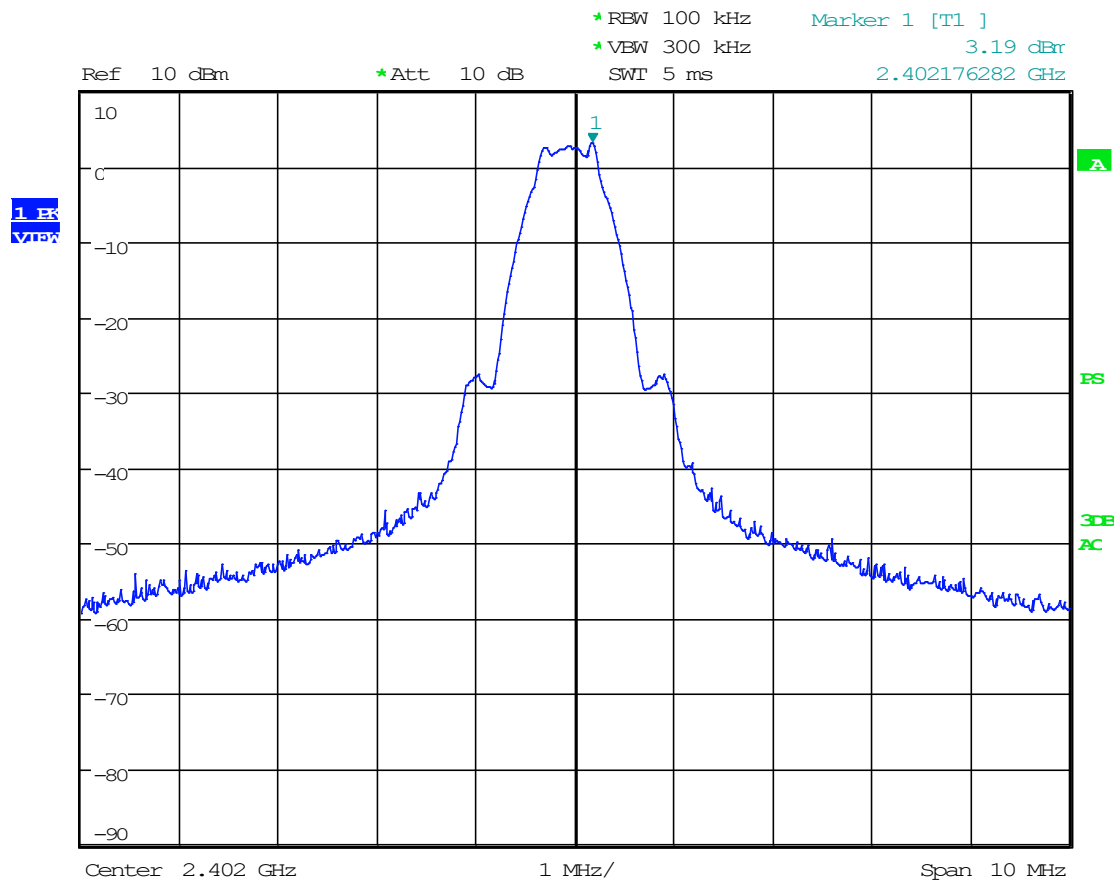
1Mb, Low Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 13:06:02



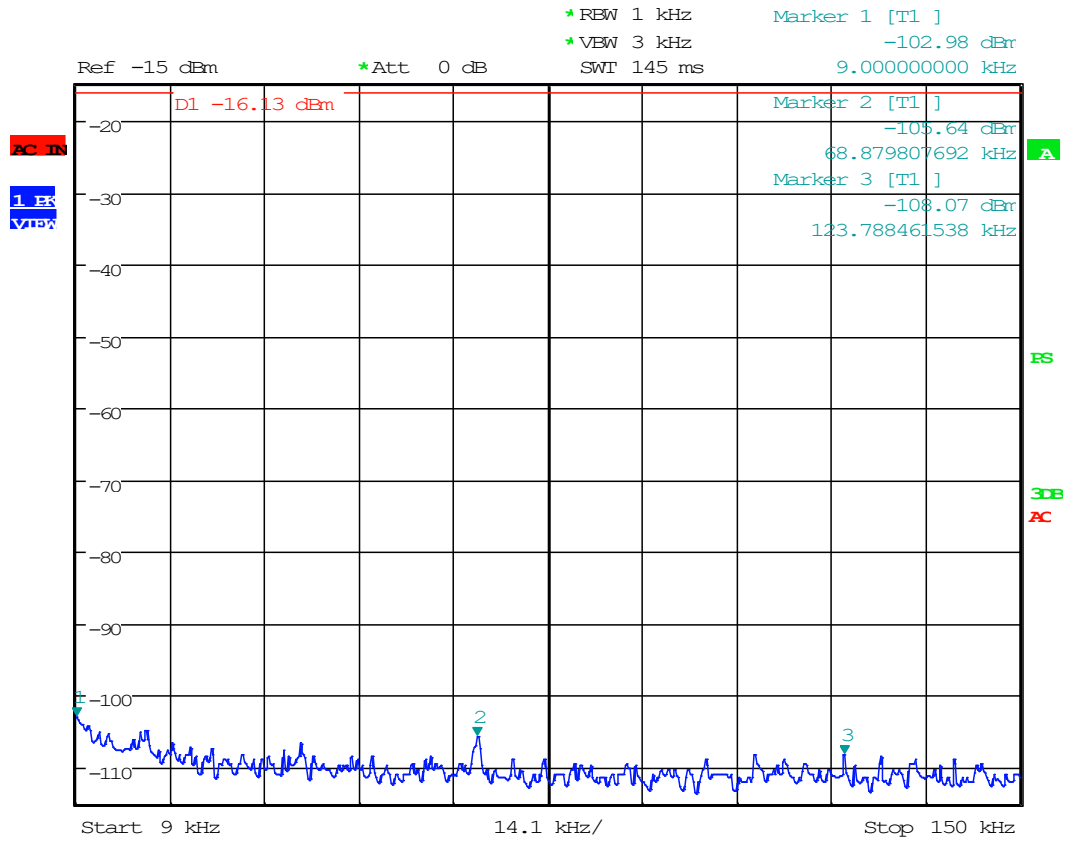
1Mb, Low Channel: Spur Reference



Date: 28.MAY.2026 12:58:27



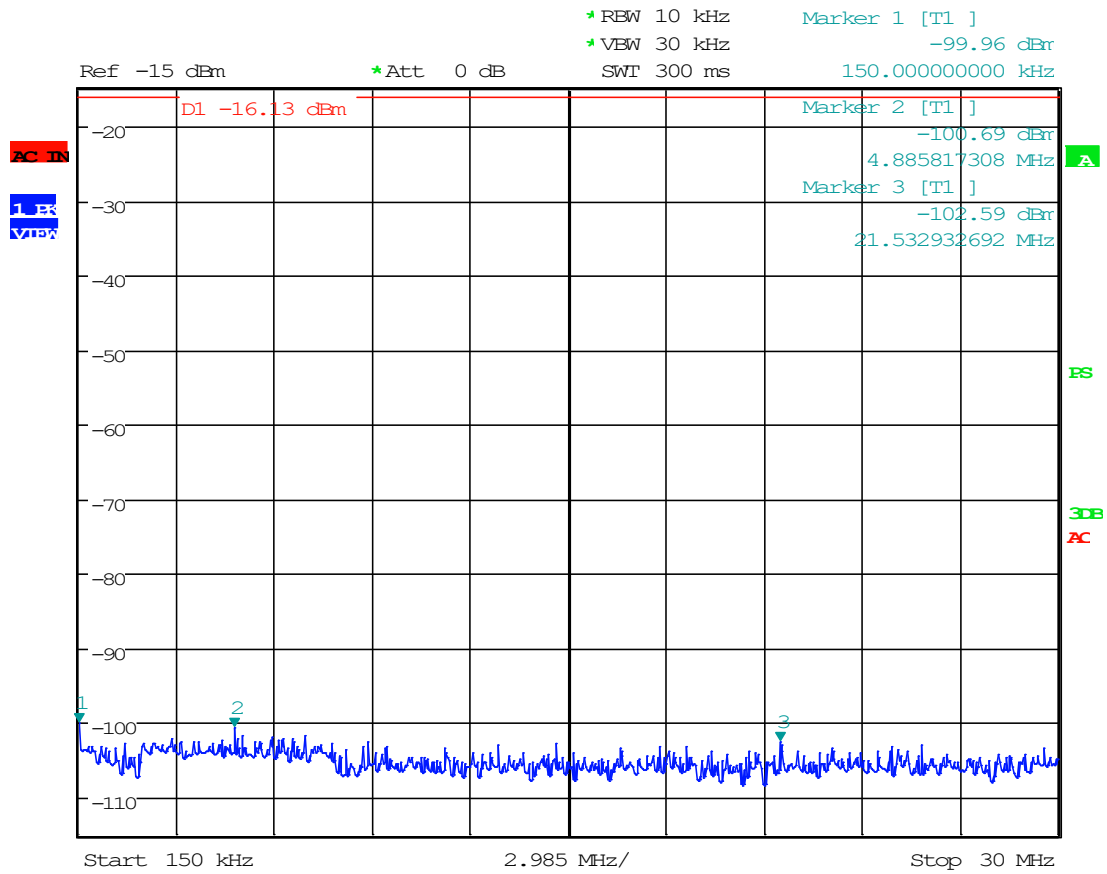
1Mb, Mid Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 13:15:05

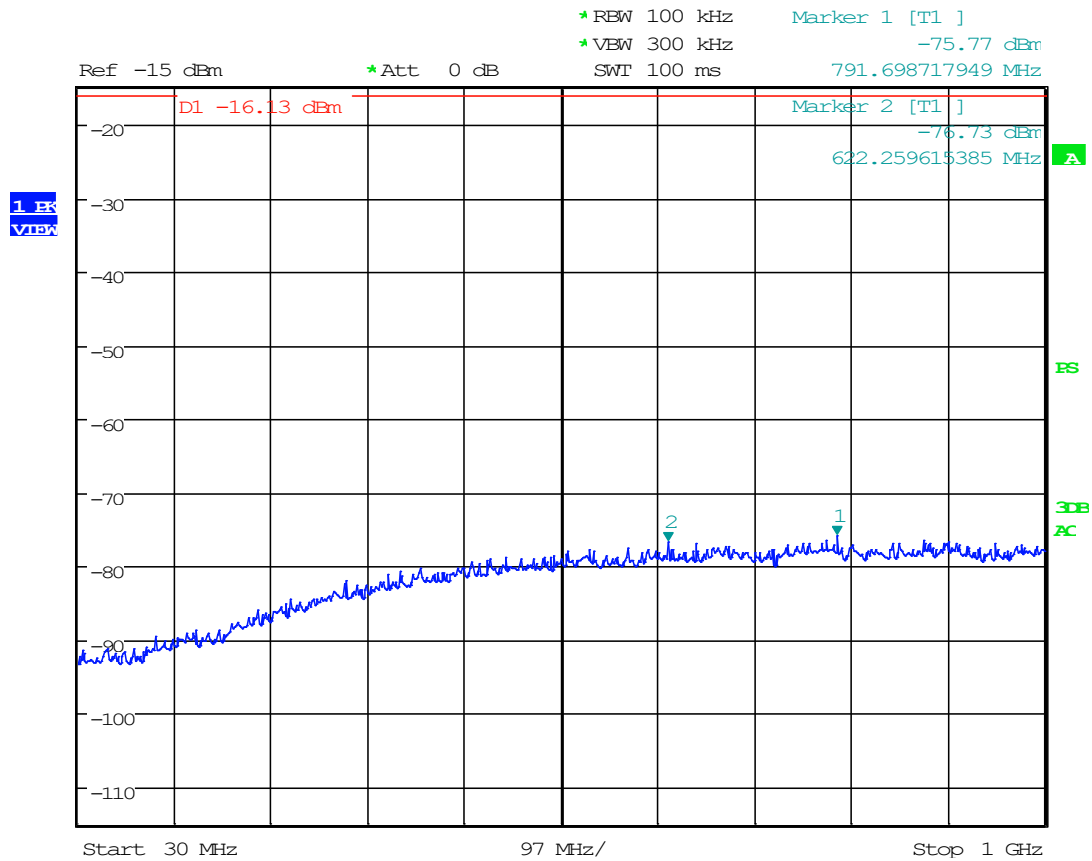


1Mb, Mid Channel: 0.15 MHz to 30 MHz



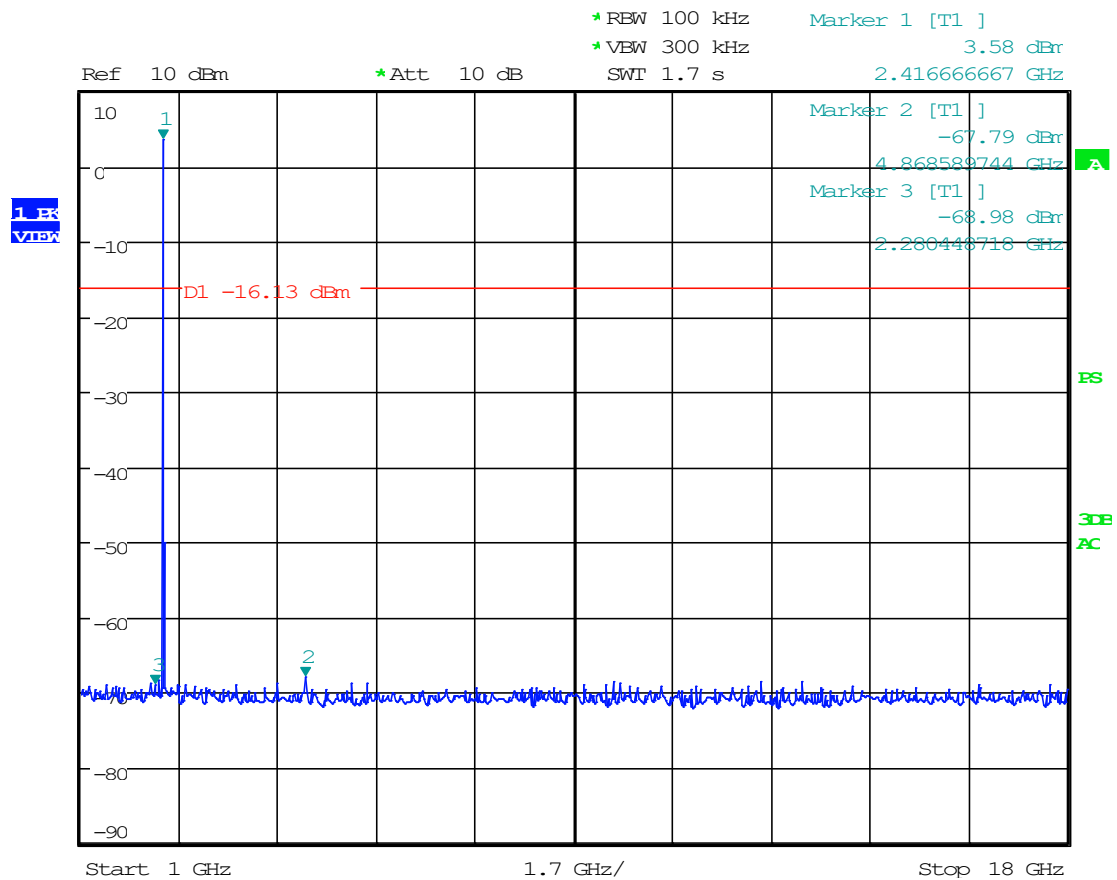


1Mb, Mid Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 13:16:50

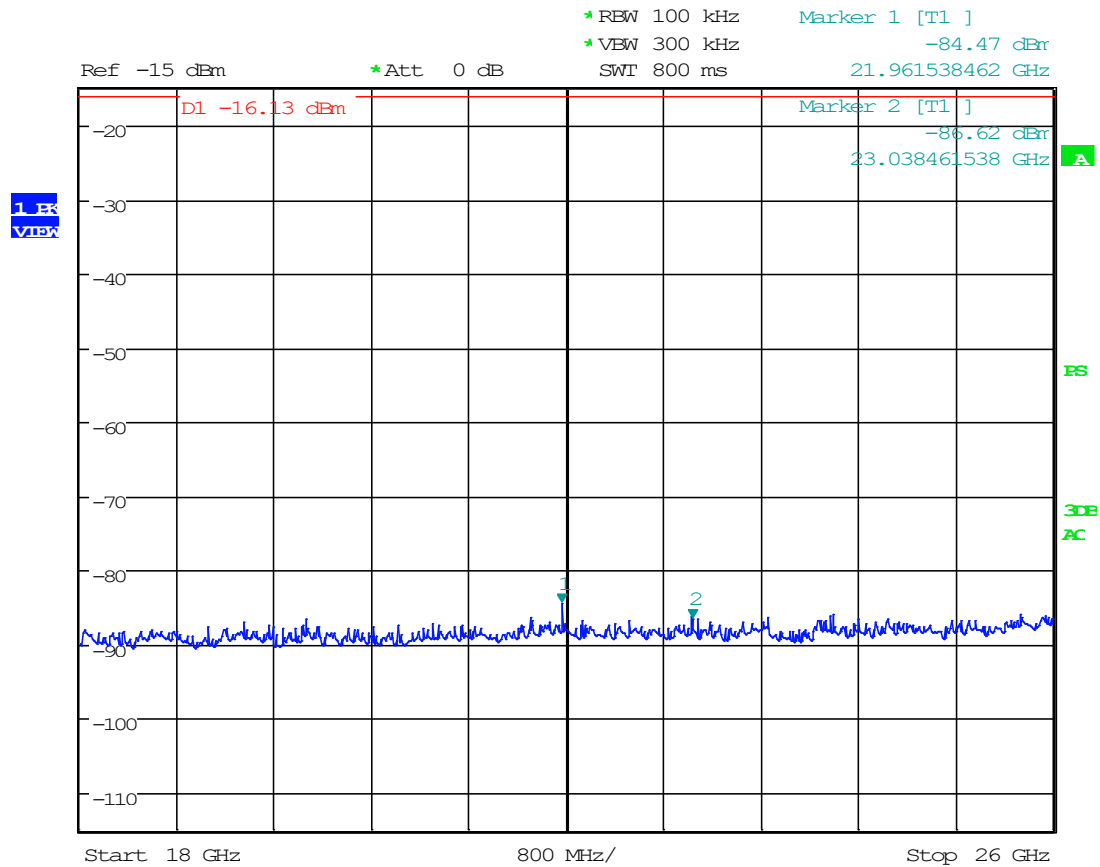
1Mb, Mid Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 13:18:03



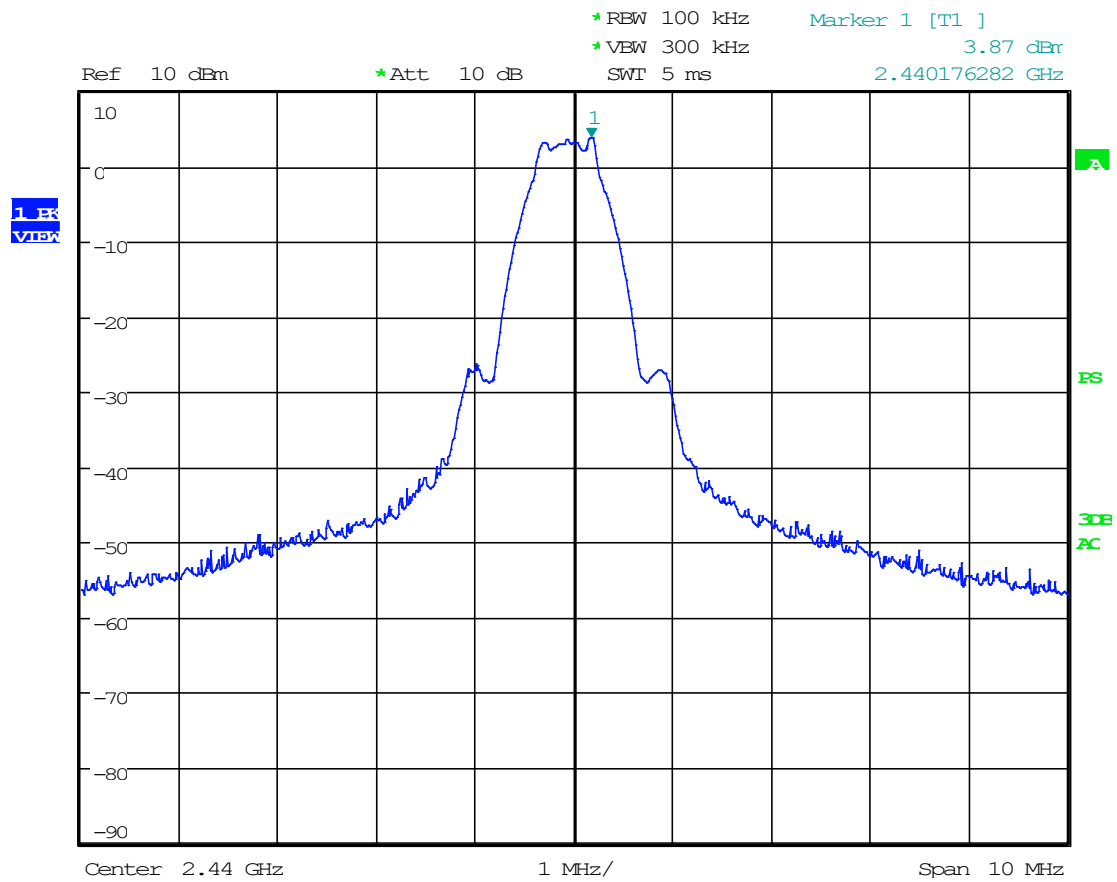
1Mb, Mid Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 13:18:44



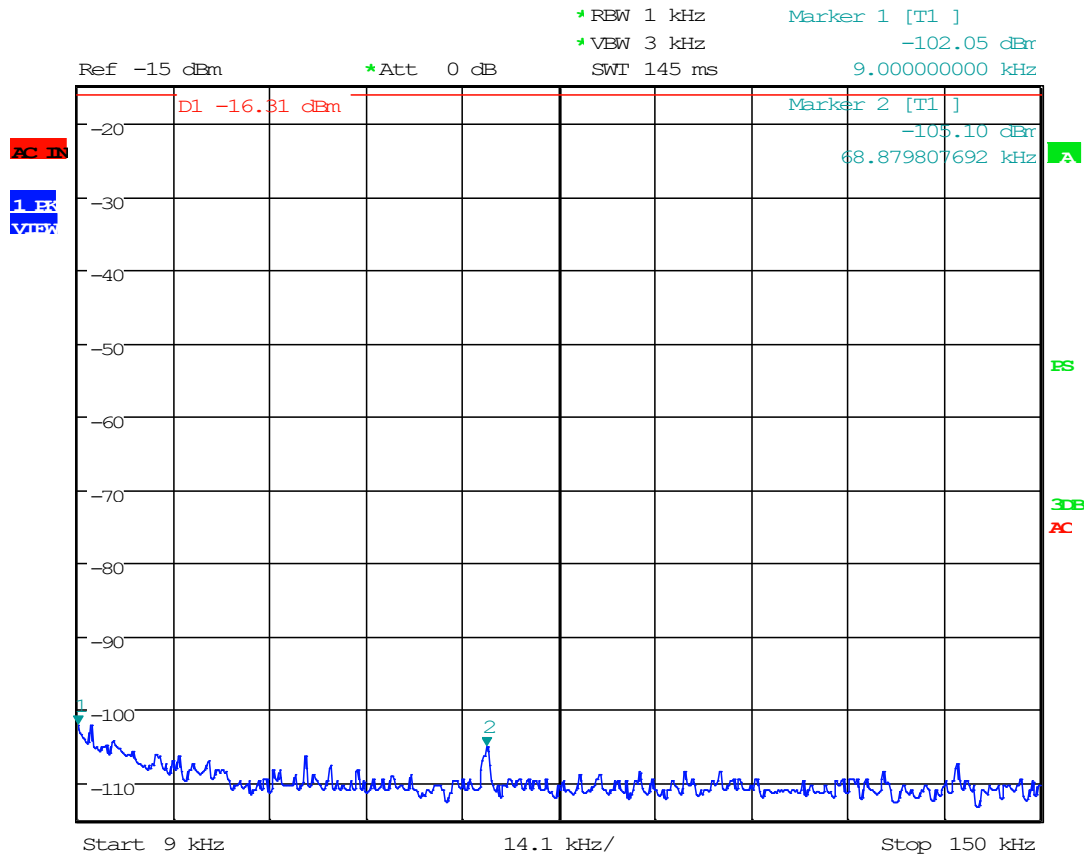
1Mb, Mid Channel: Spur Reference



Date: 28.MAY.2026 13:13:48



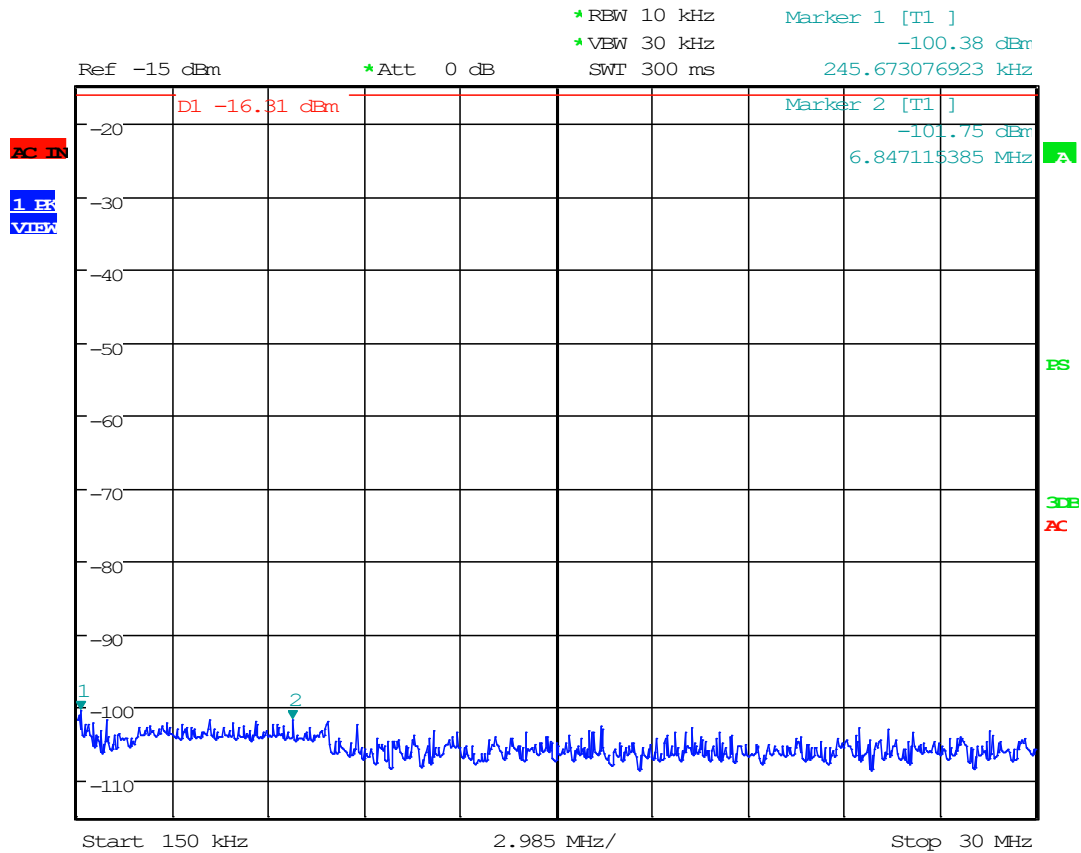
1Mb, High Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 13:25:50



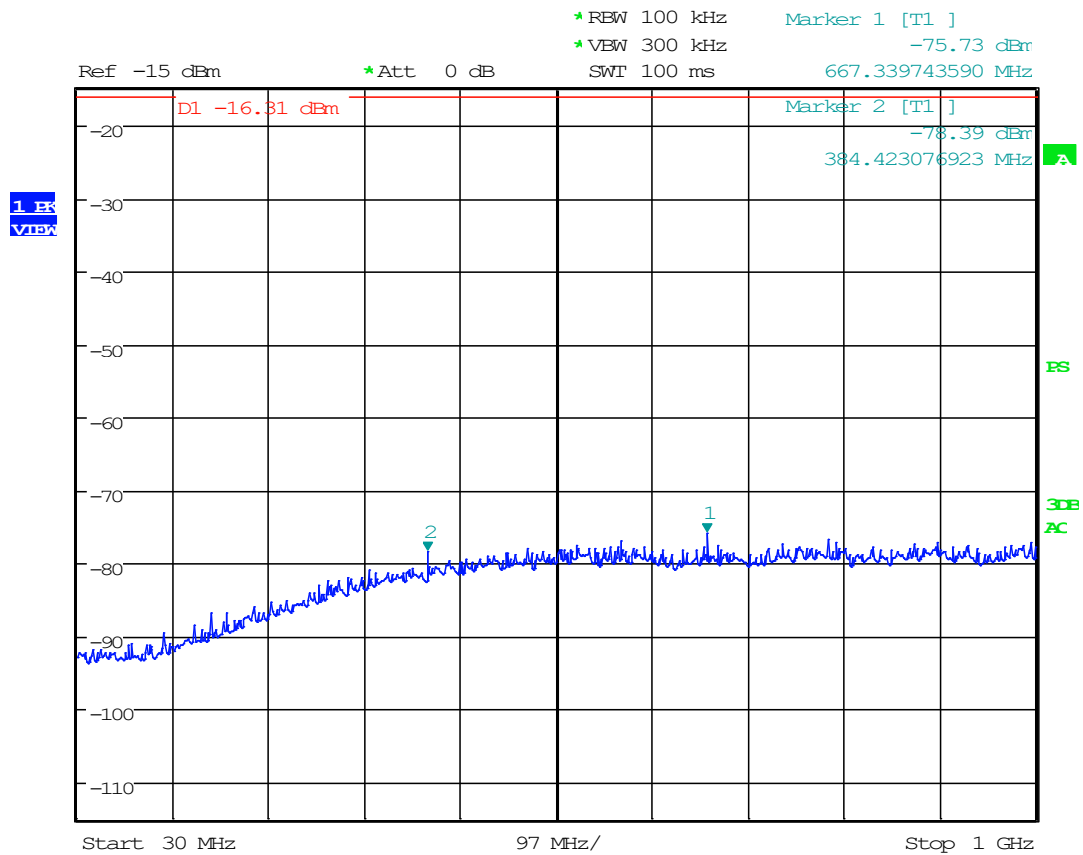
1Mb, High Channel: 0.15 MHz to 30 MHz



Date: 28 MAY 2026 13:26:46



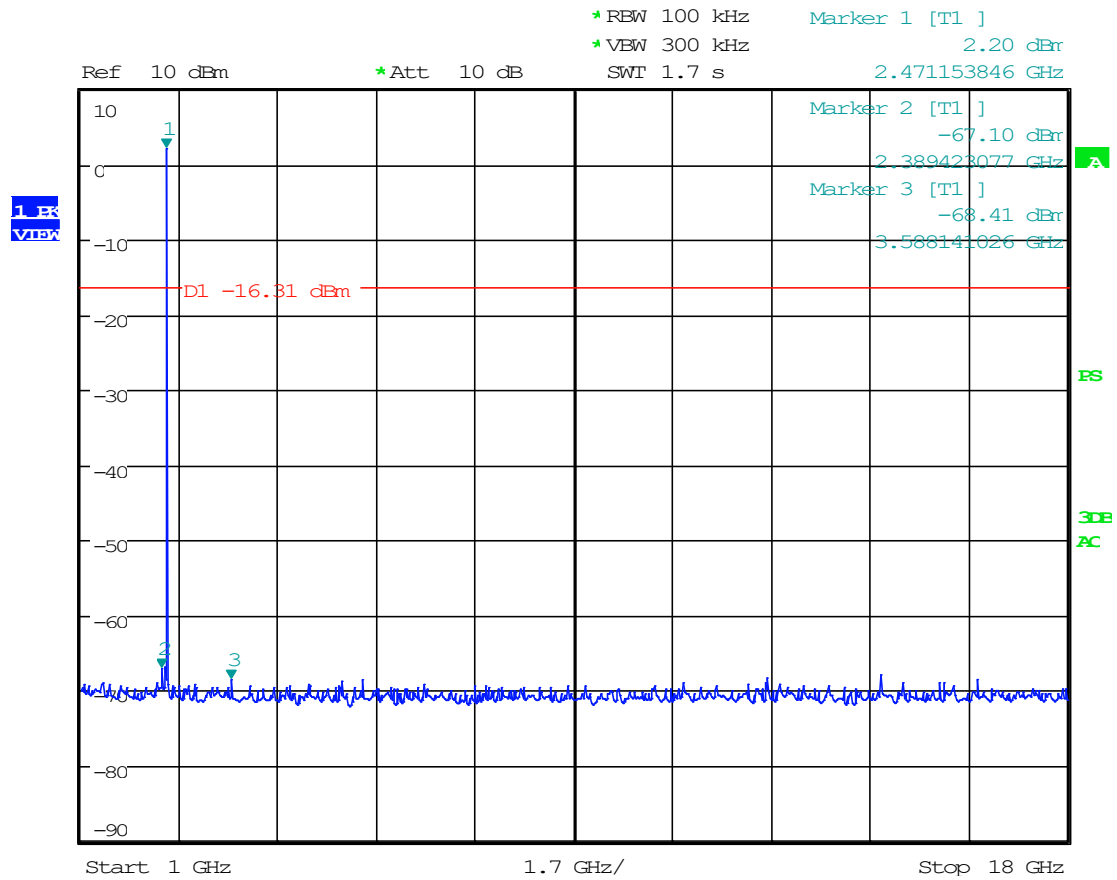
1Mb, High Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 13:27:45



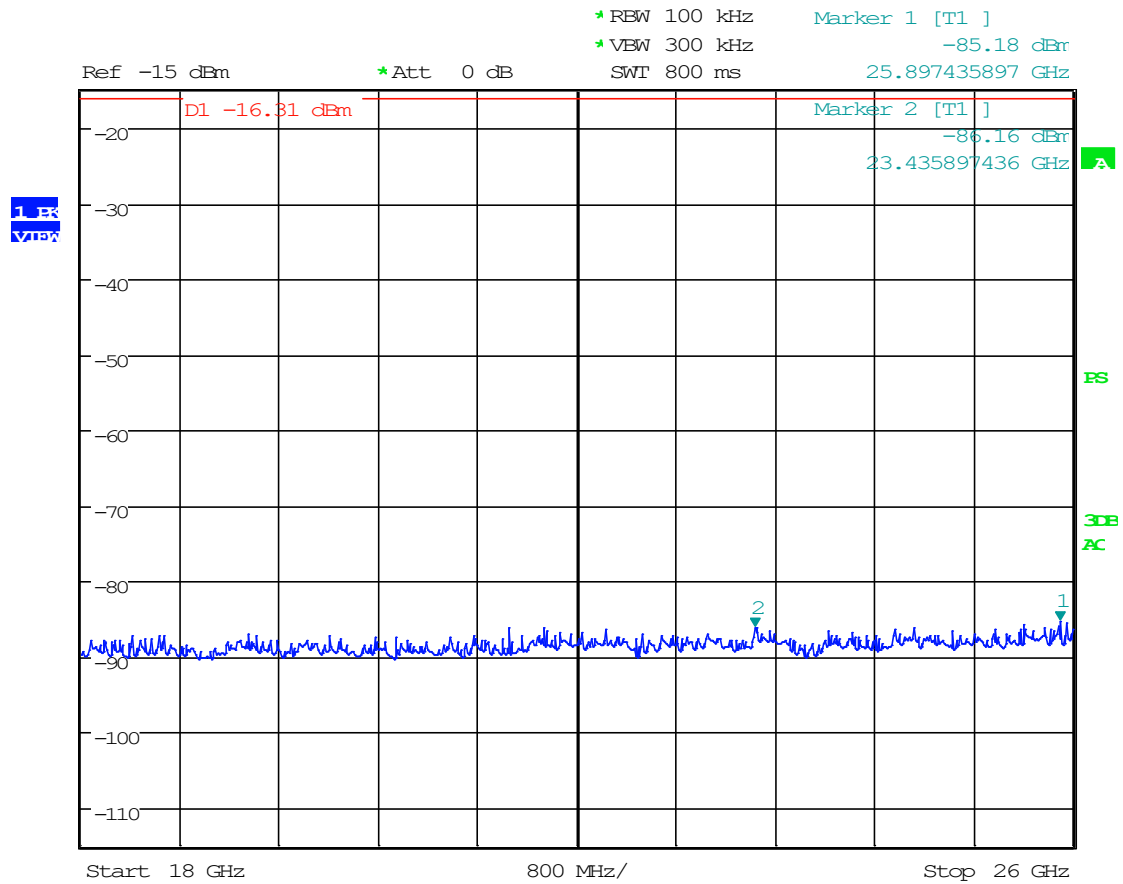
1Mb, High Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 13:28:32



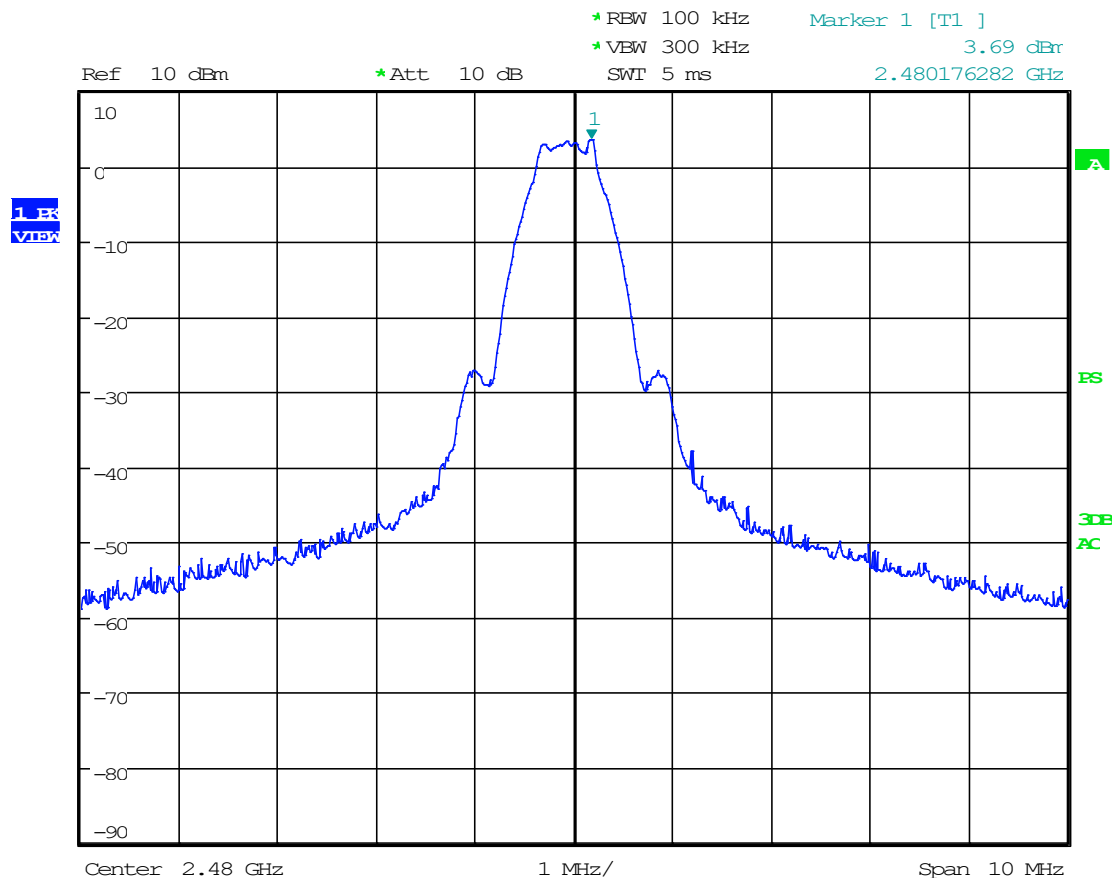
1Mb, High Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 13:29:17



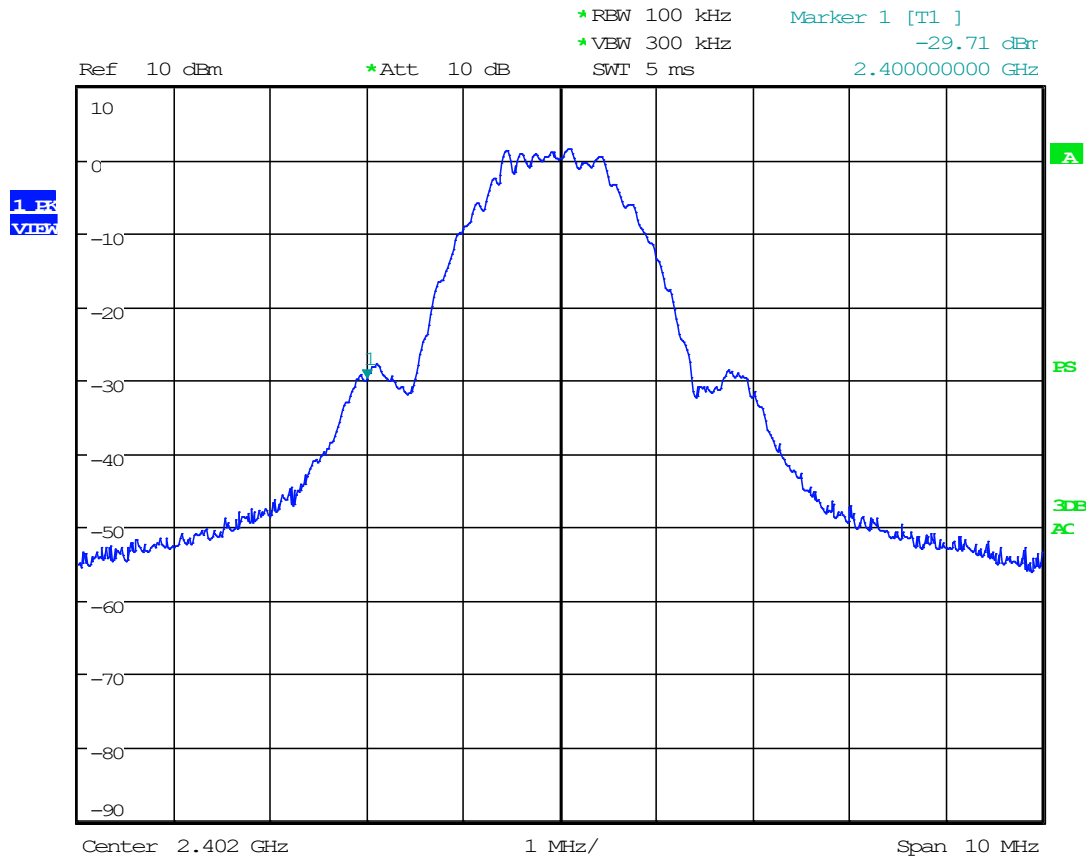
1Mb, High Channel: Spur Reference



Date: 28.MAY.2026 13:23:05



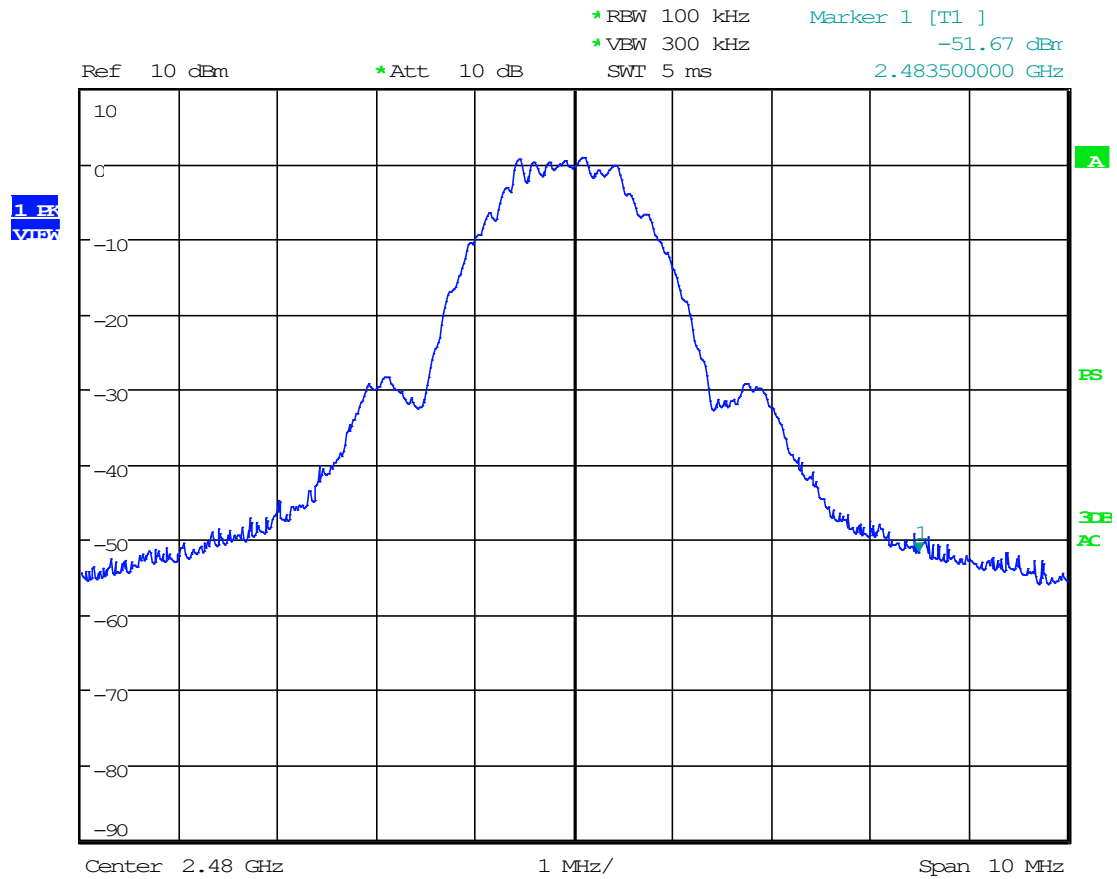
2Mb: Low Band Edge



Date: 28.MAY.2026 13:34:11



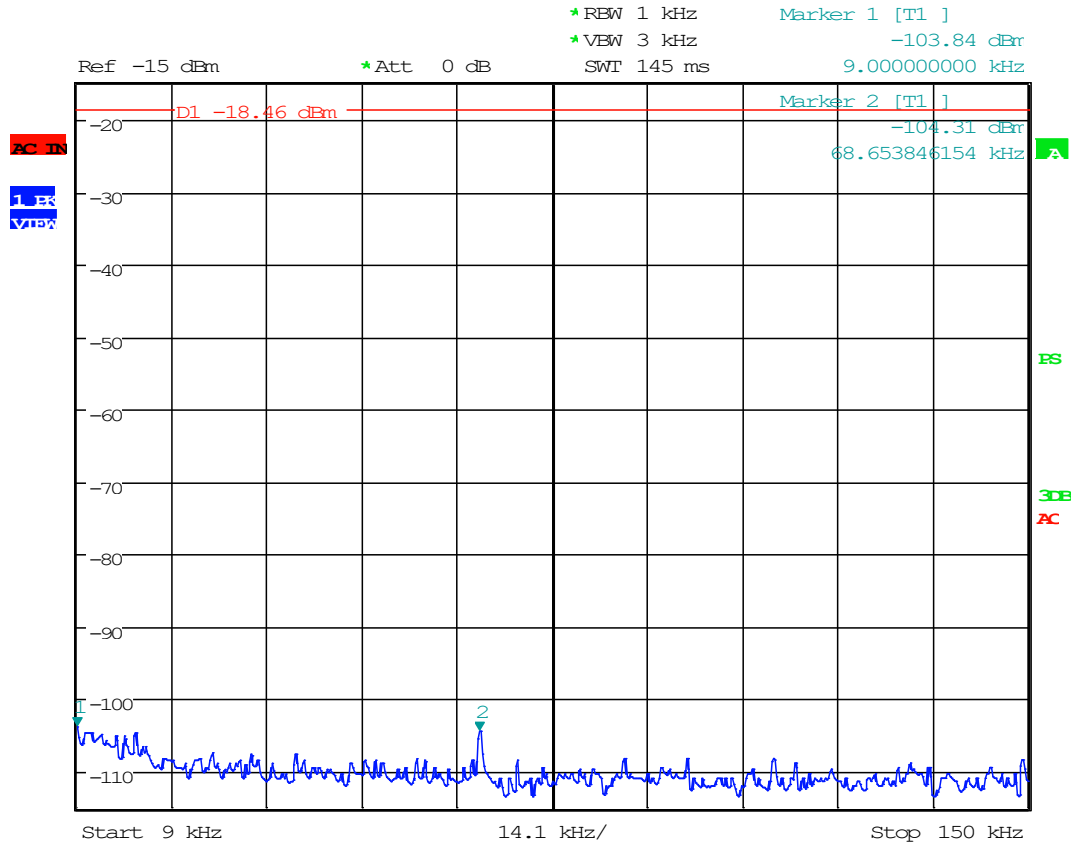
2Mb: High Band Edge



Date: 28.MAY.2026 13:45:23



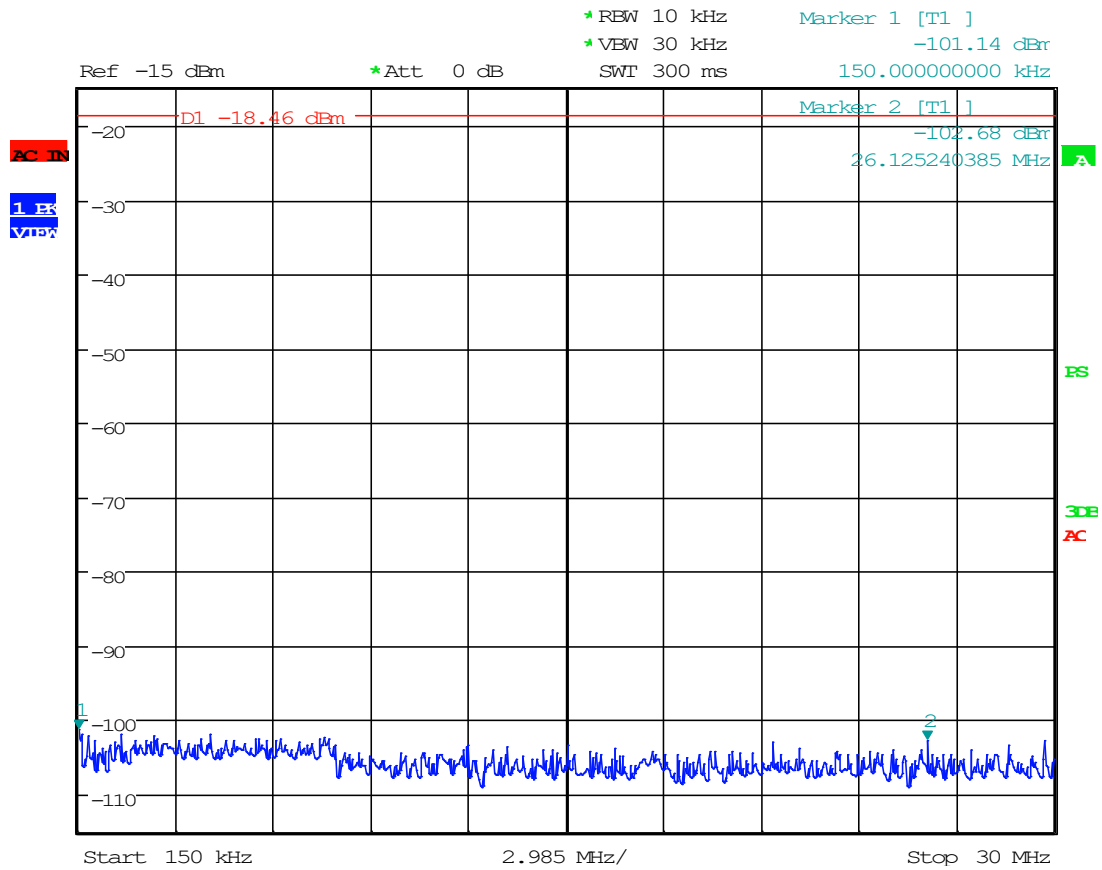
2Mb, Low Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 13:35:22

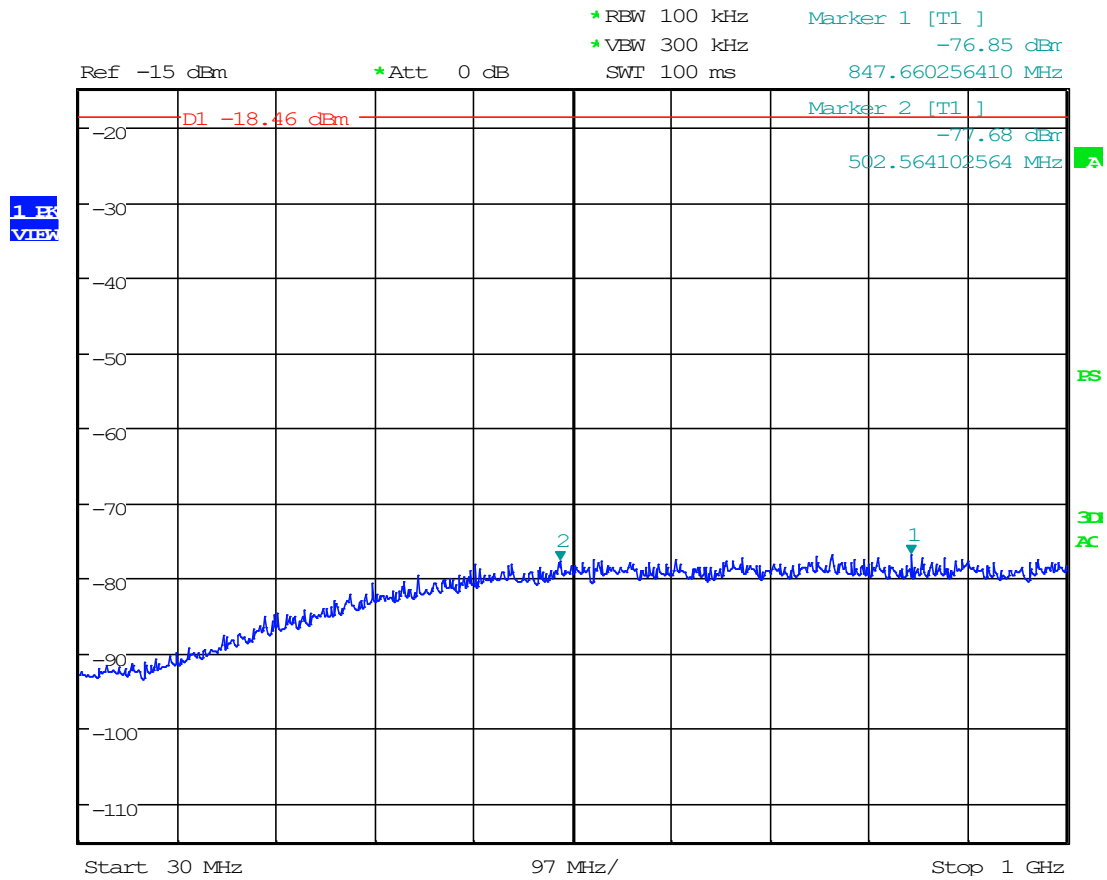


2Mb, Low Channel: 0.15 MHz to 30 MHz





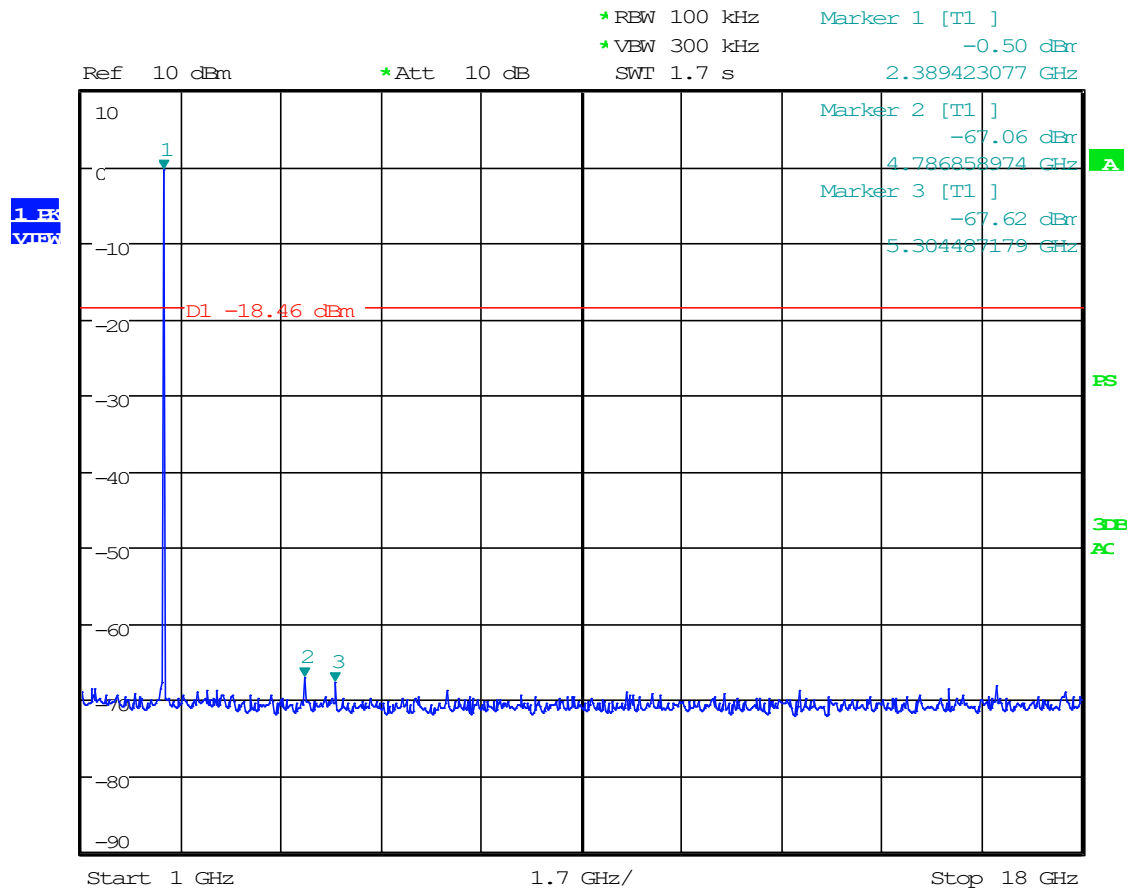
2Mb, Low Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 13:36:37



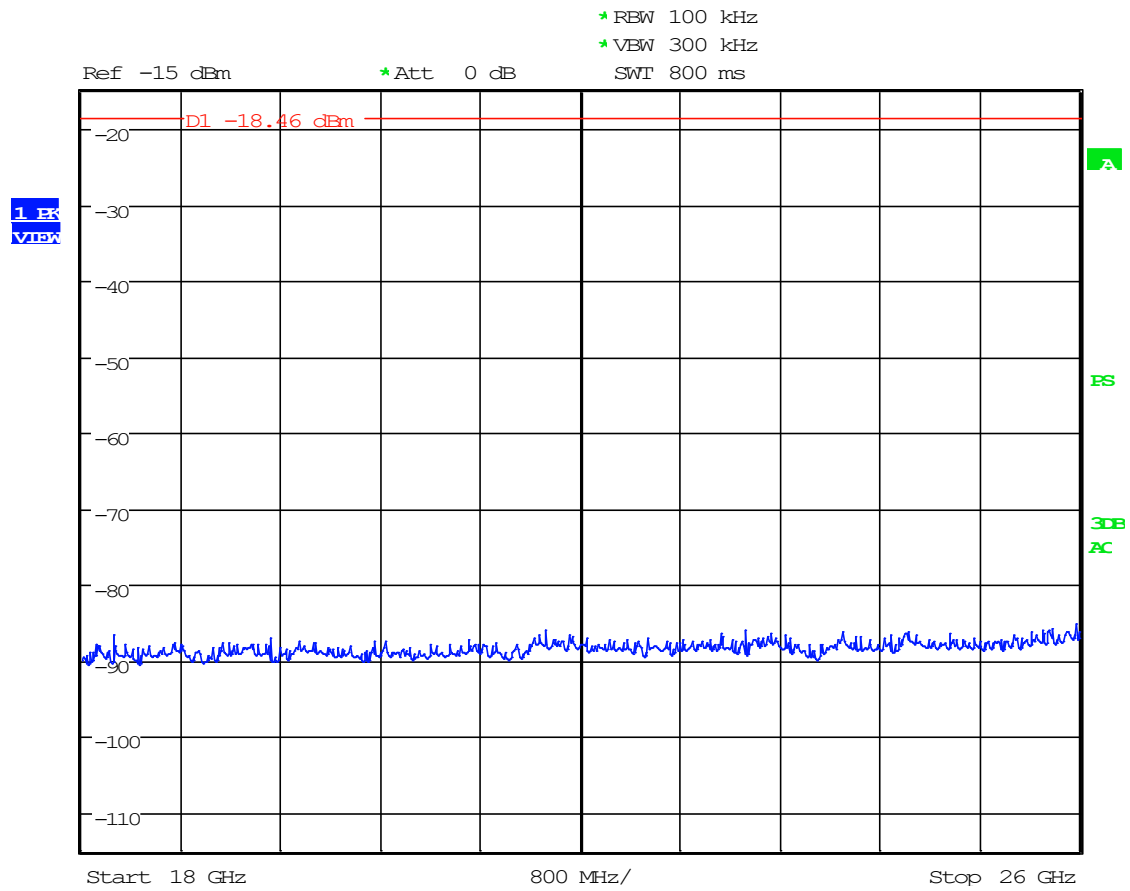
2Mb, Low Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 13:37:25



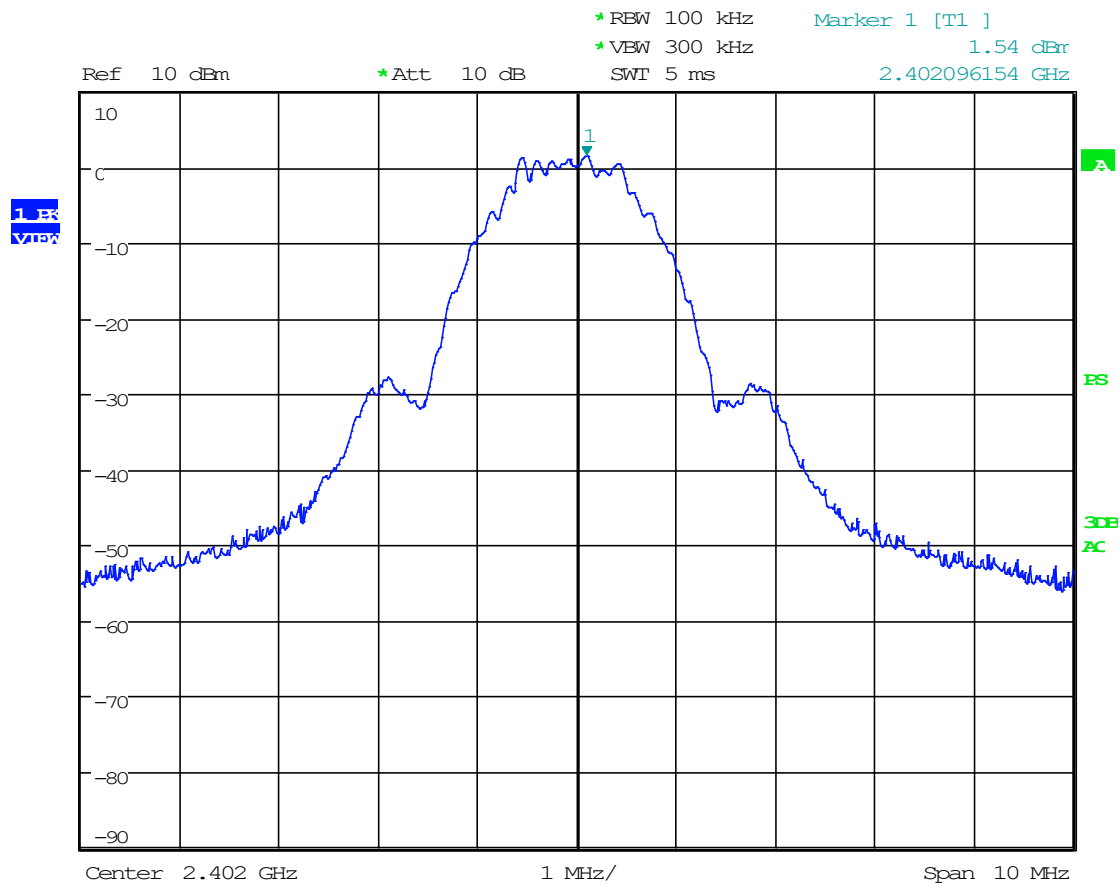
2Mb, Low Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 13:38:01



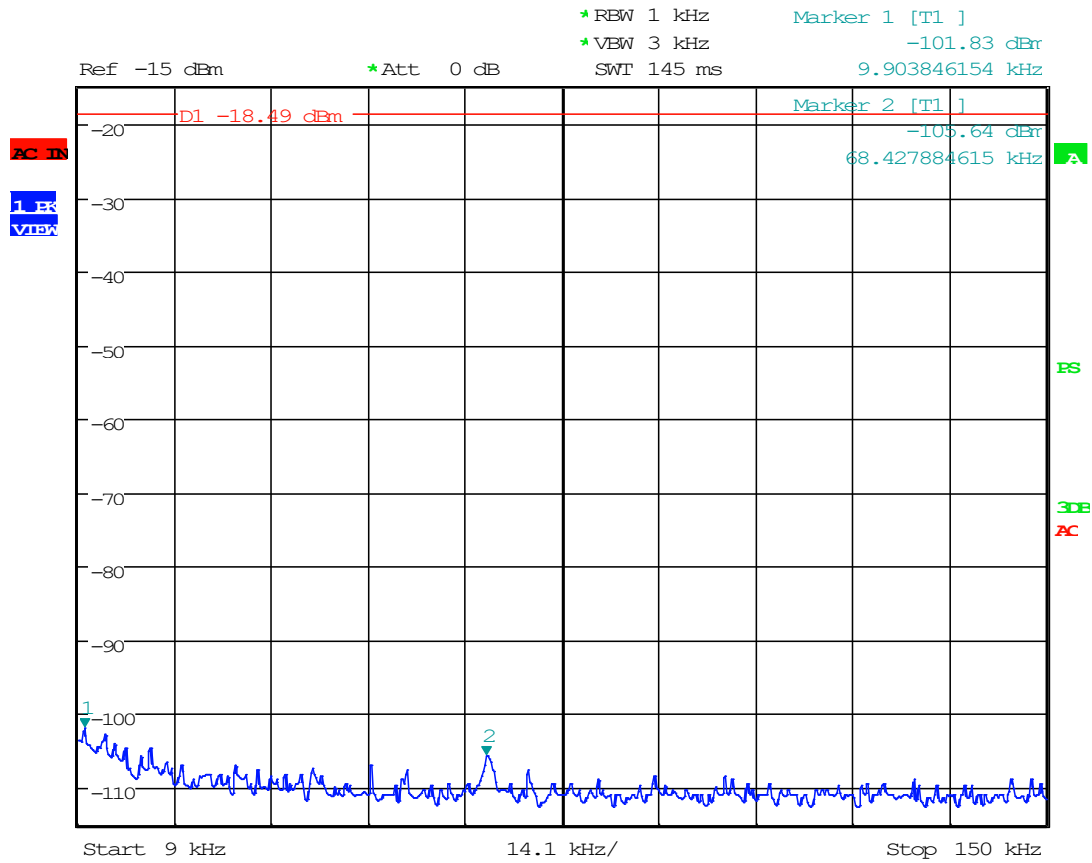
2Mb, Low Channel: Spur Reference



Date: 28.MAY.2026 13:33:51



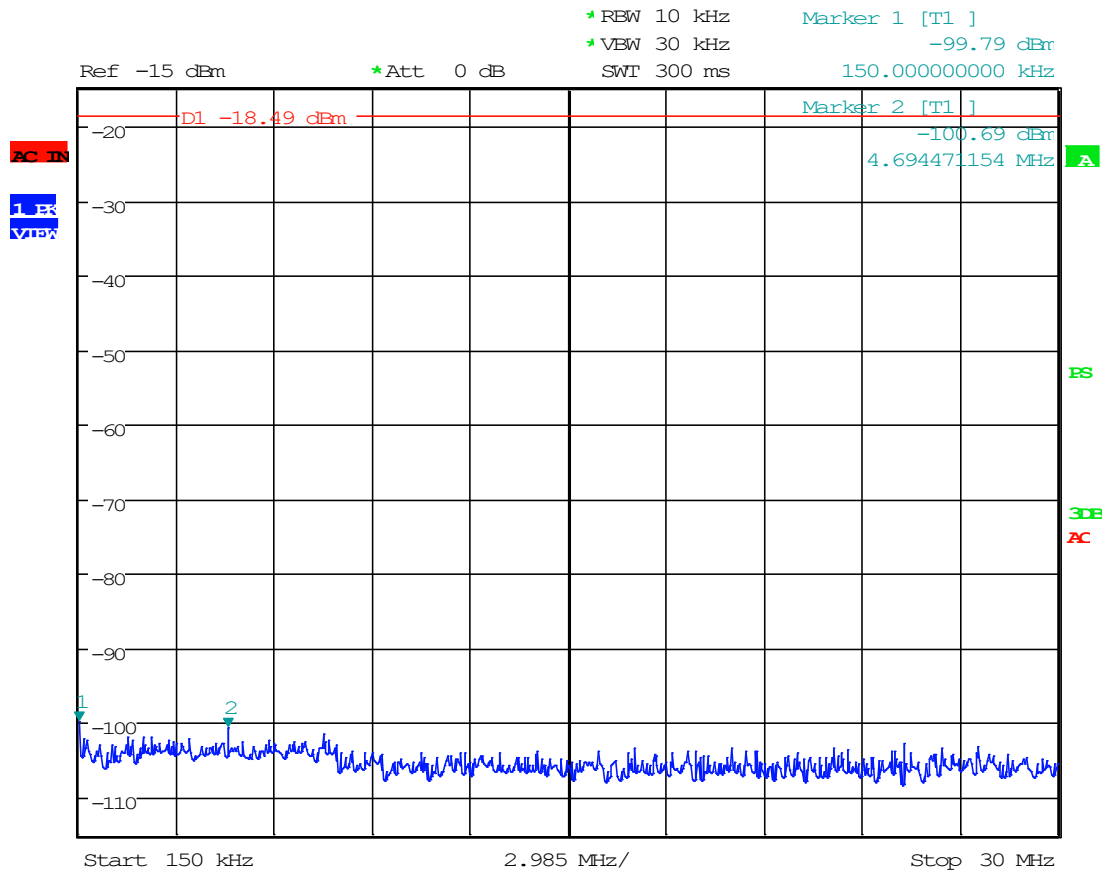
2Mb, Mid Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 13:40:53



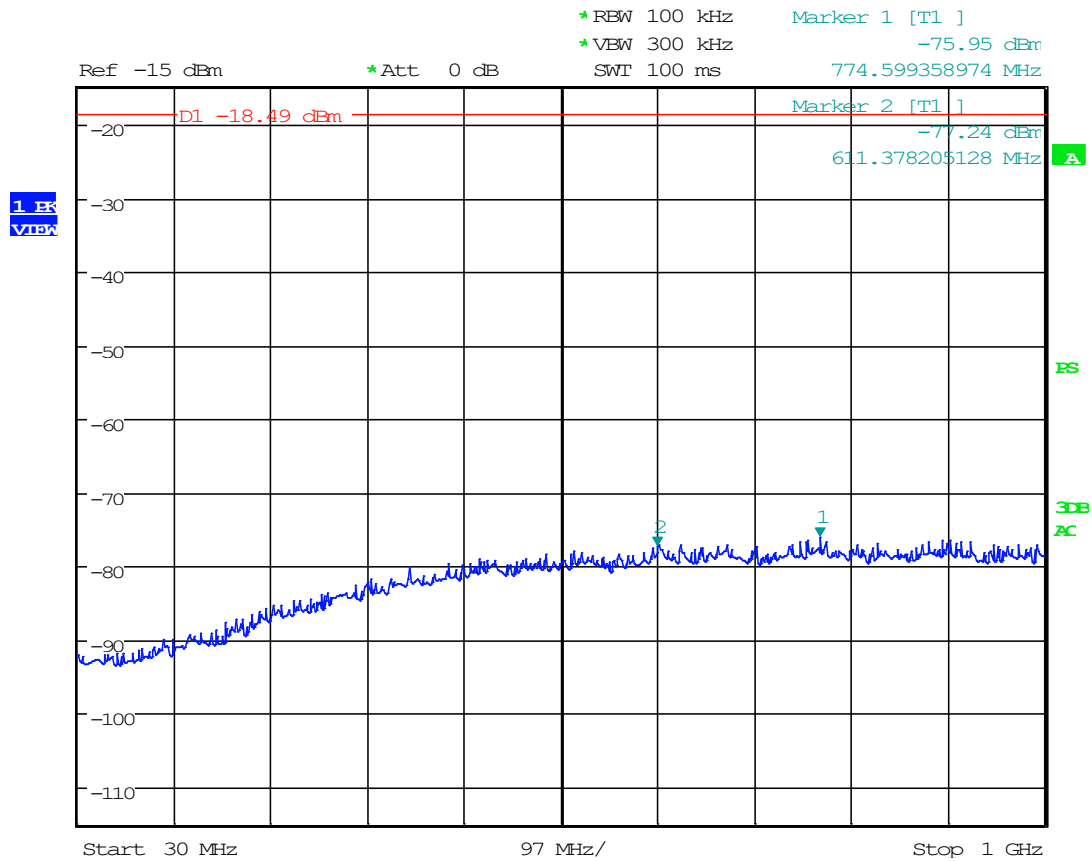
2Mb, Mid Channel: 0.15 MHz to 30 MHz



Date: 28.MAY.2026 13:41:43



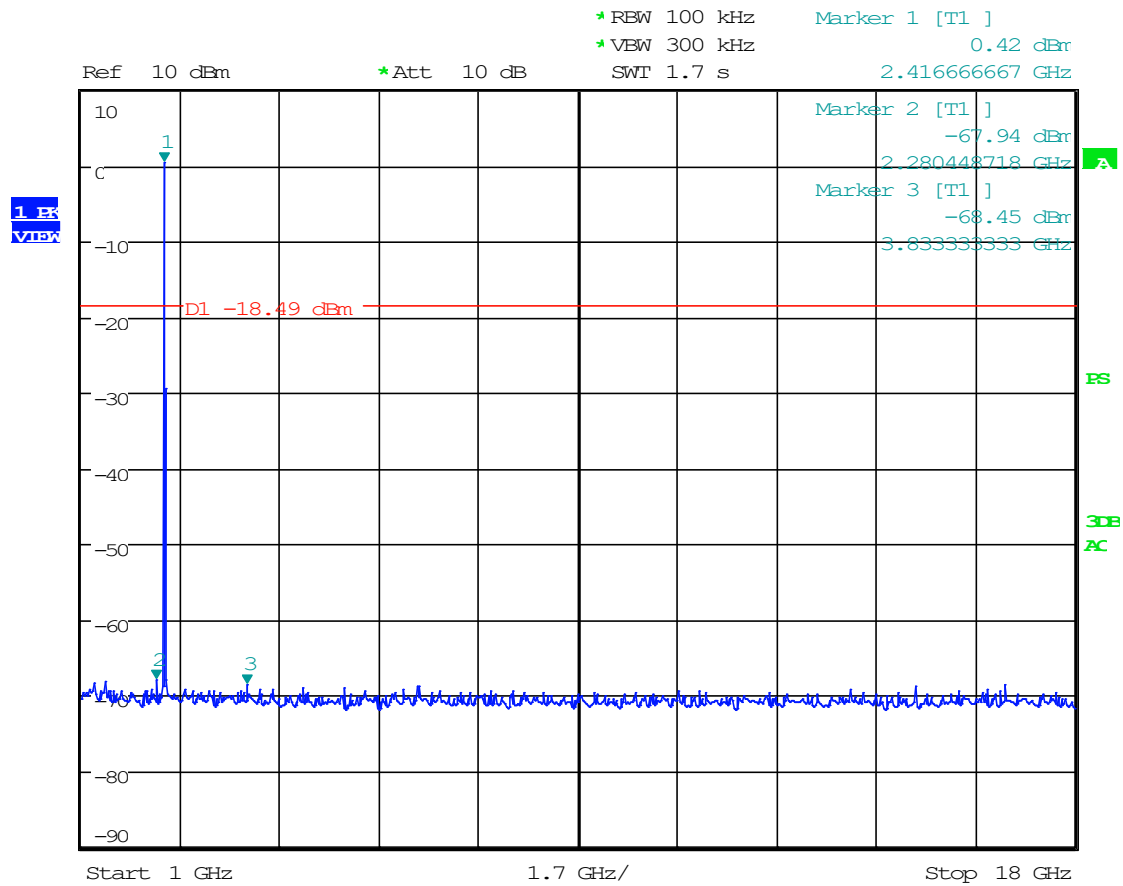
2Mb, Mid Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 13:42:32



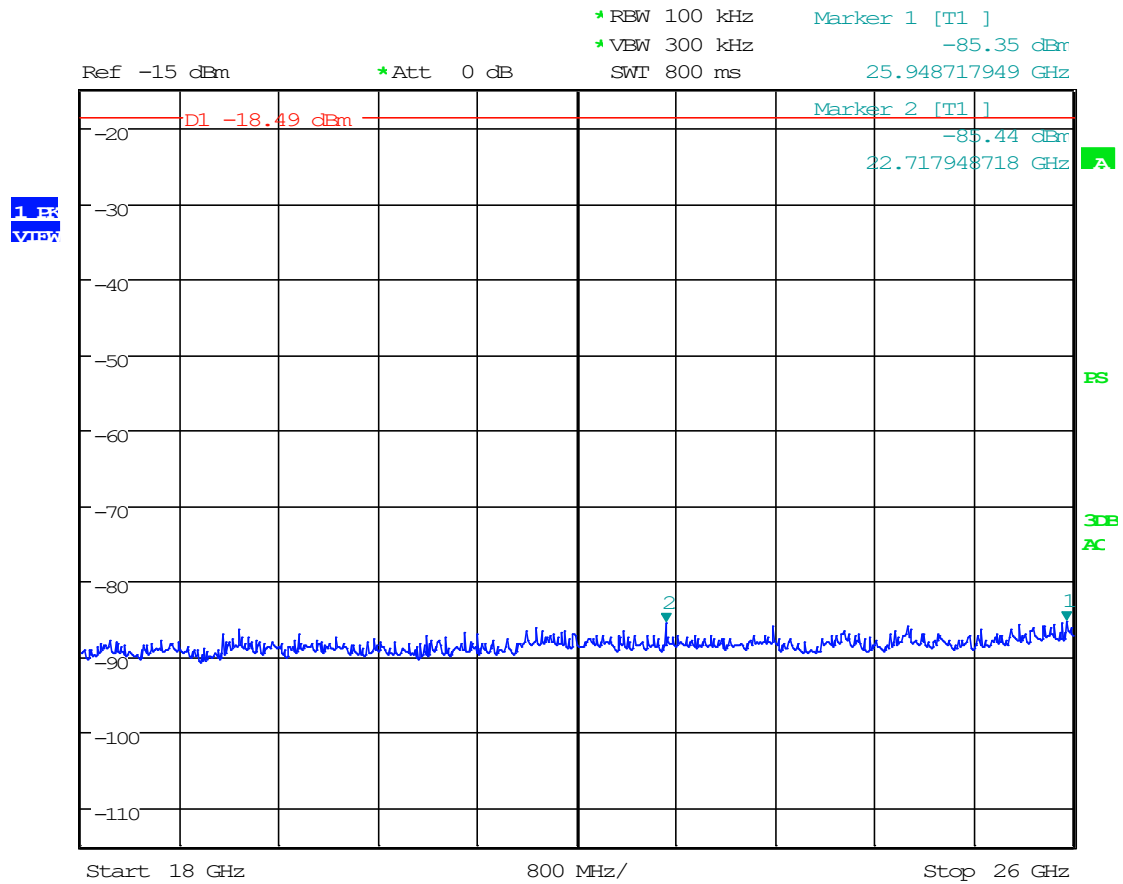
2Mb, Mid Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 13:43:14



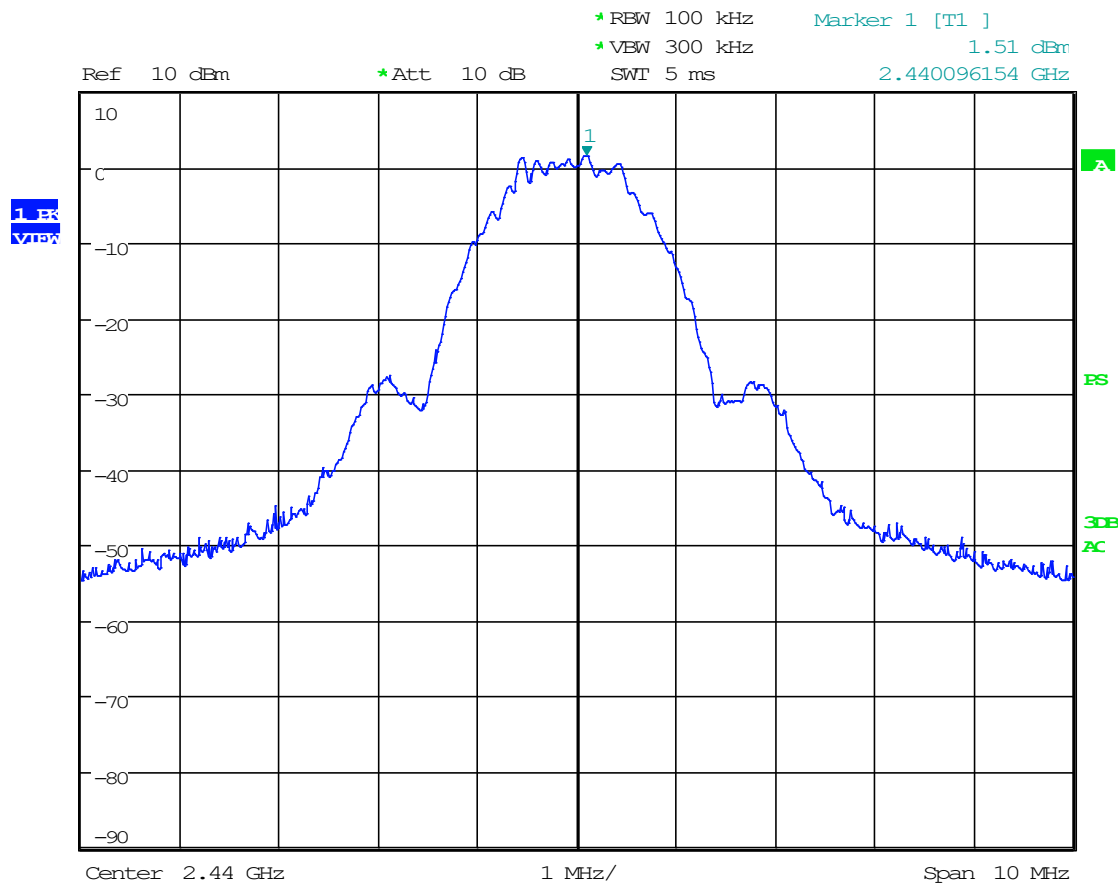
2Mb, Mid Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 13:43:53



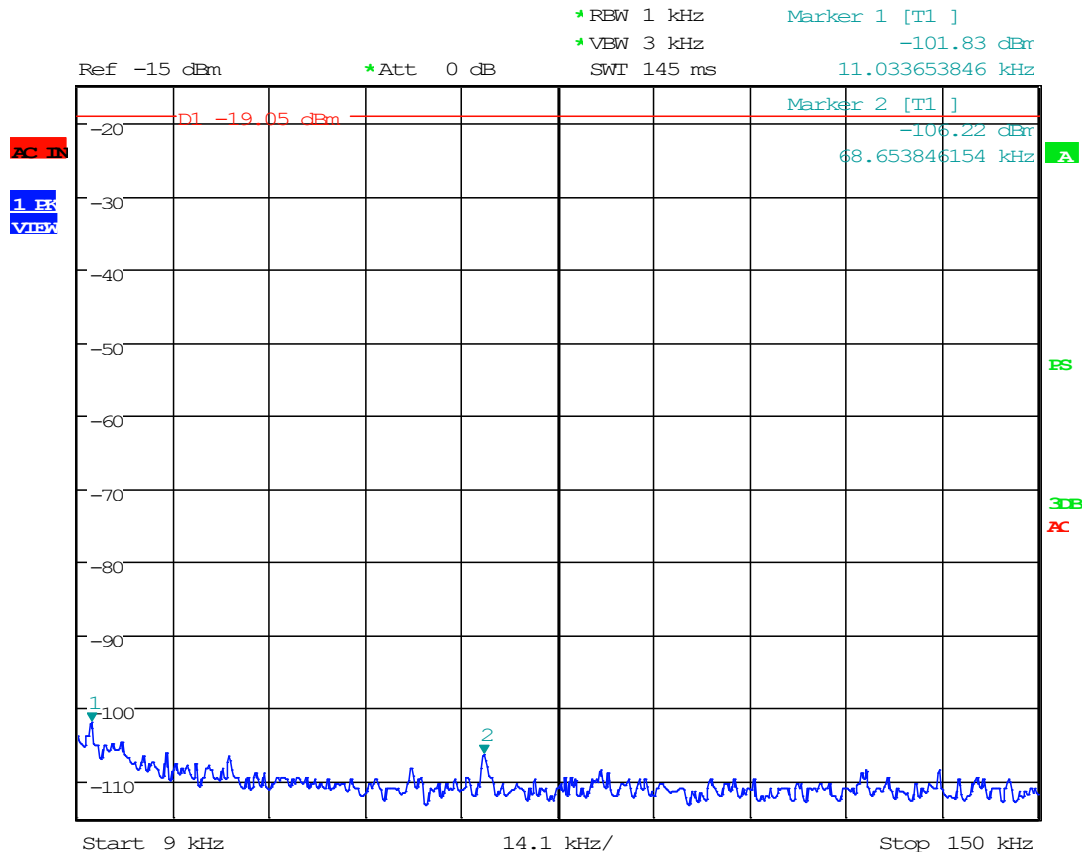
2Mb, Mid Channel: Spur Reference



Date: 28.MAY.2026 13:39:27



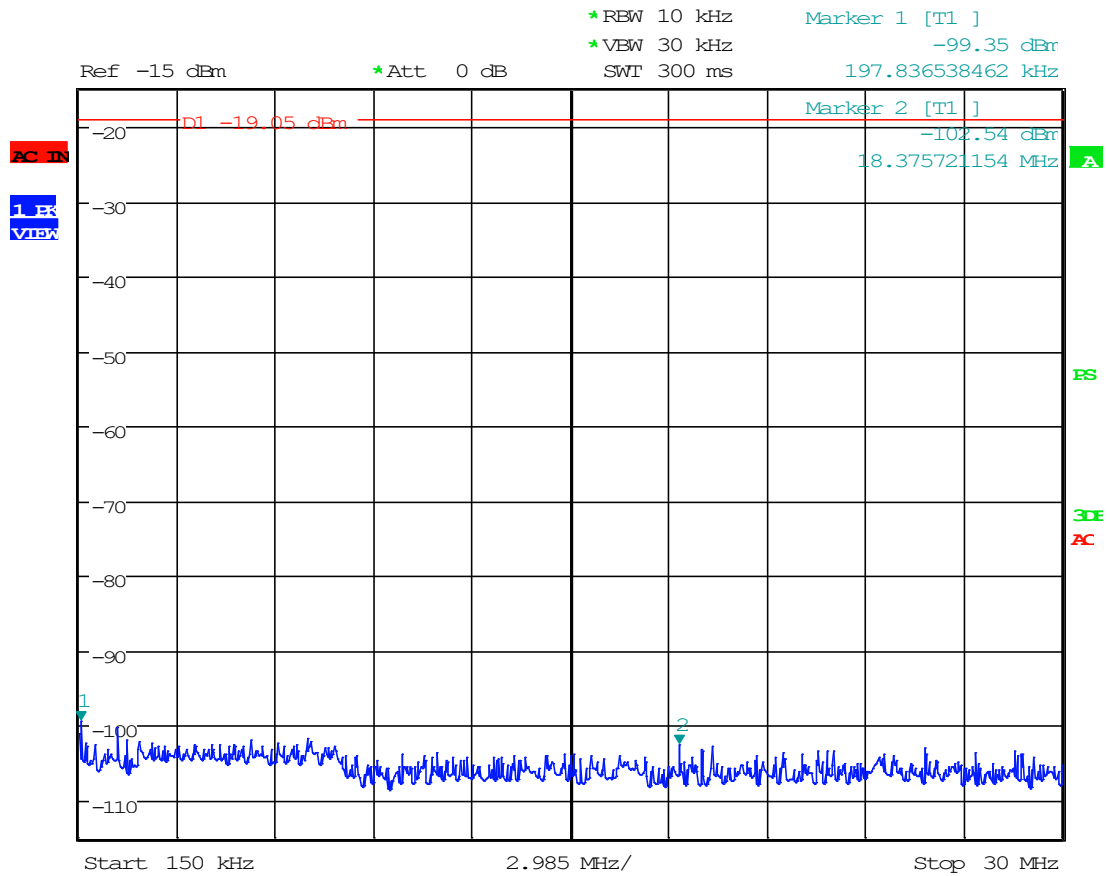
2Mb, High Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 13:46:50

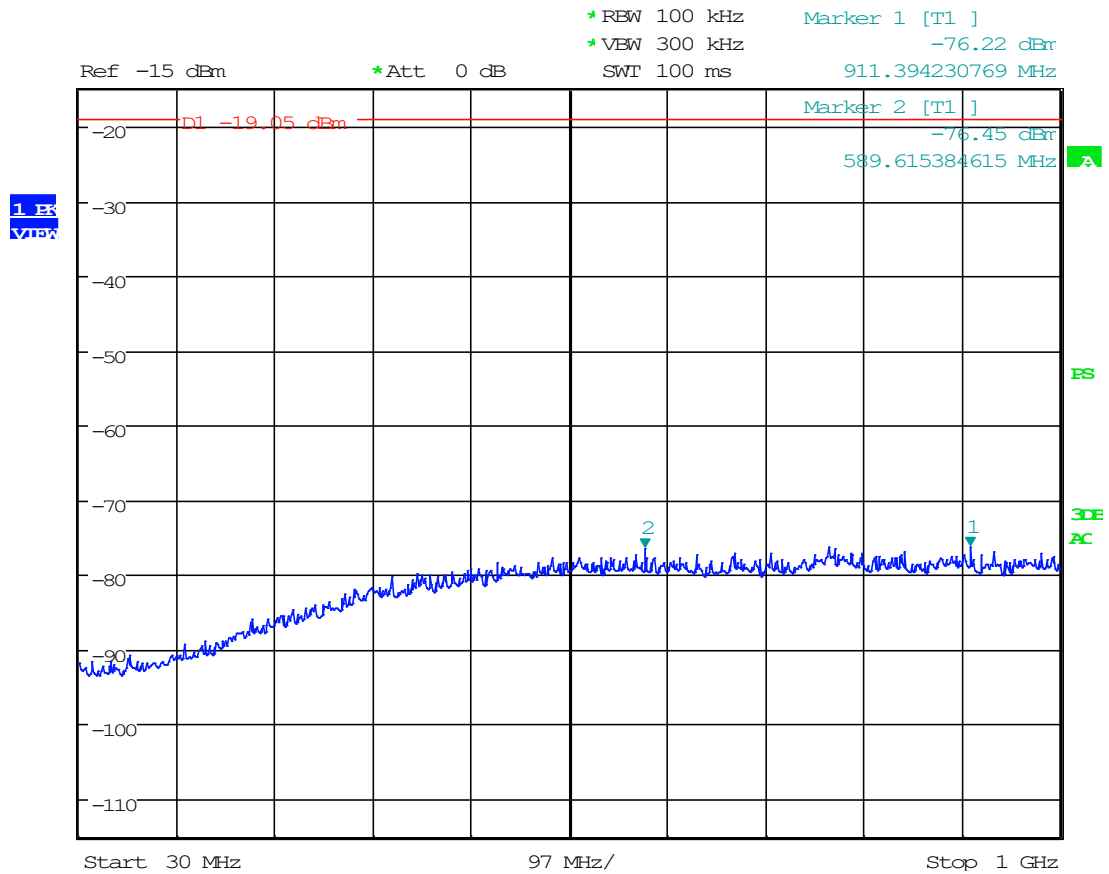


2Mb, High Channel: 0.15 MHz to 30 MHz





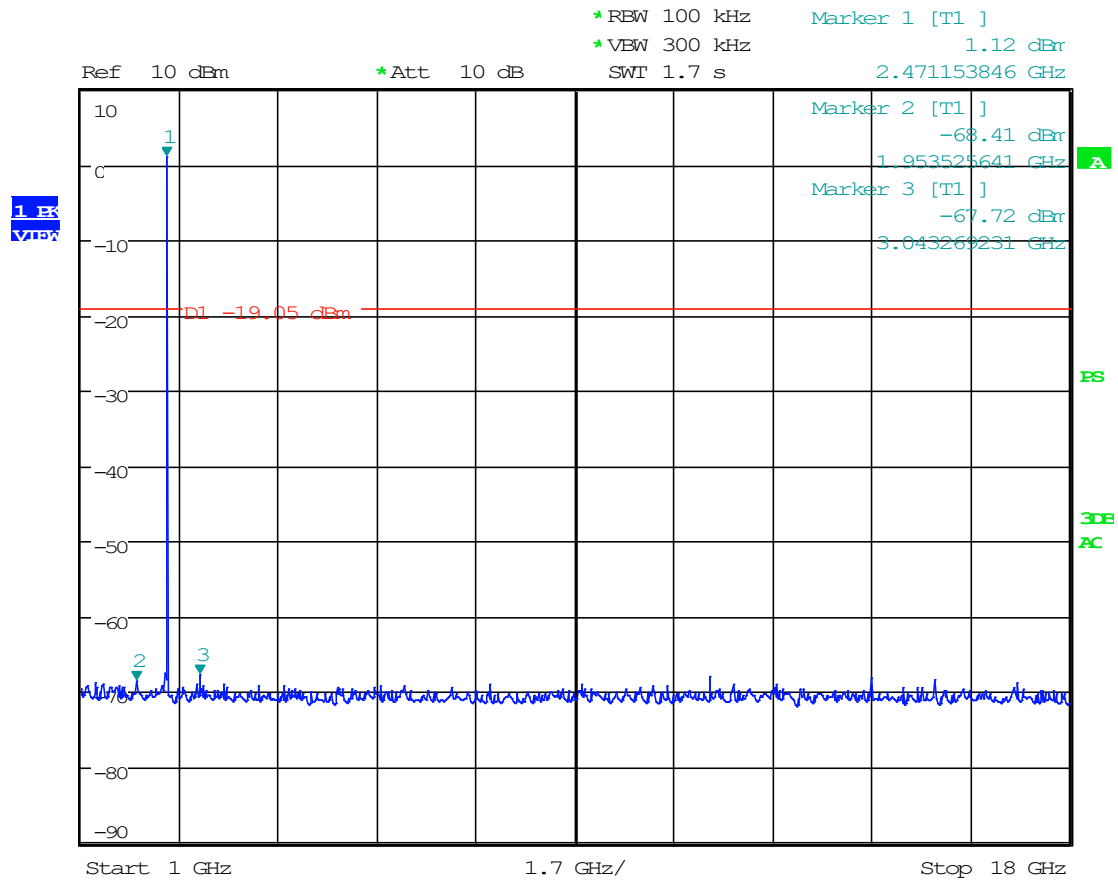
2Mb, High Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 13:48:51

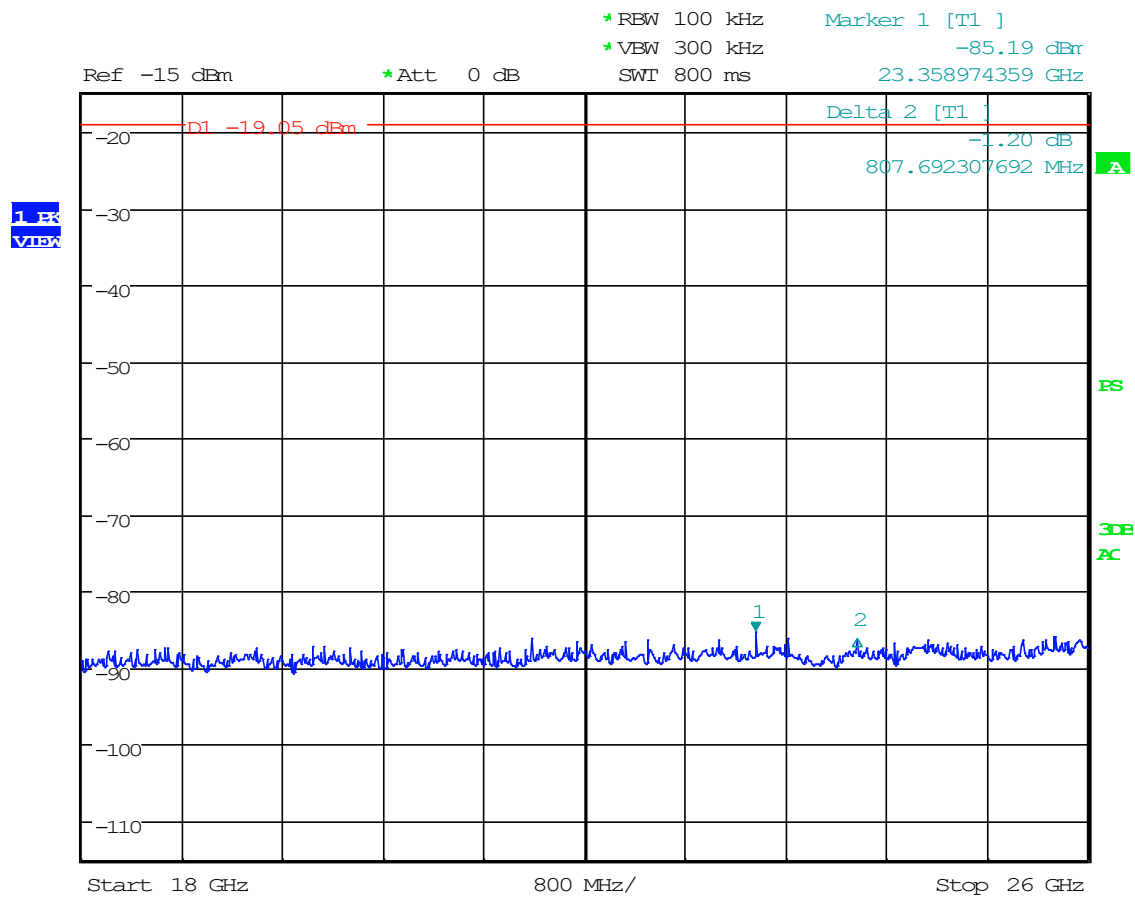


2Mb, High Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 13:49:38

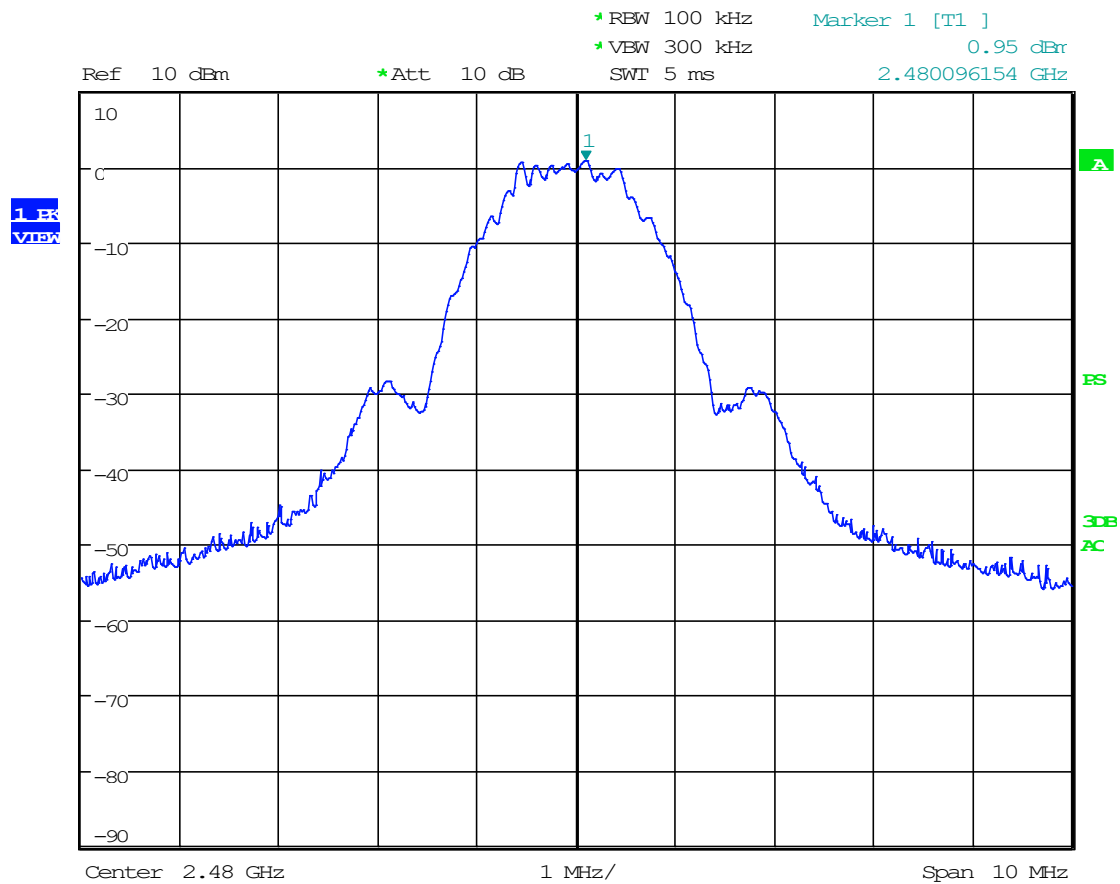
2Mb, High Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 13:50:16



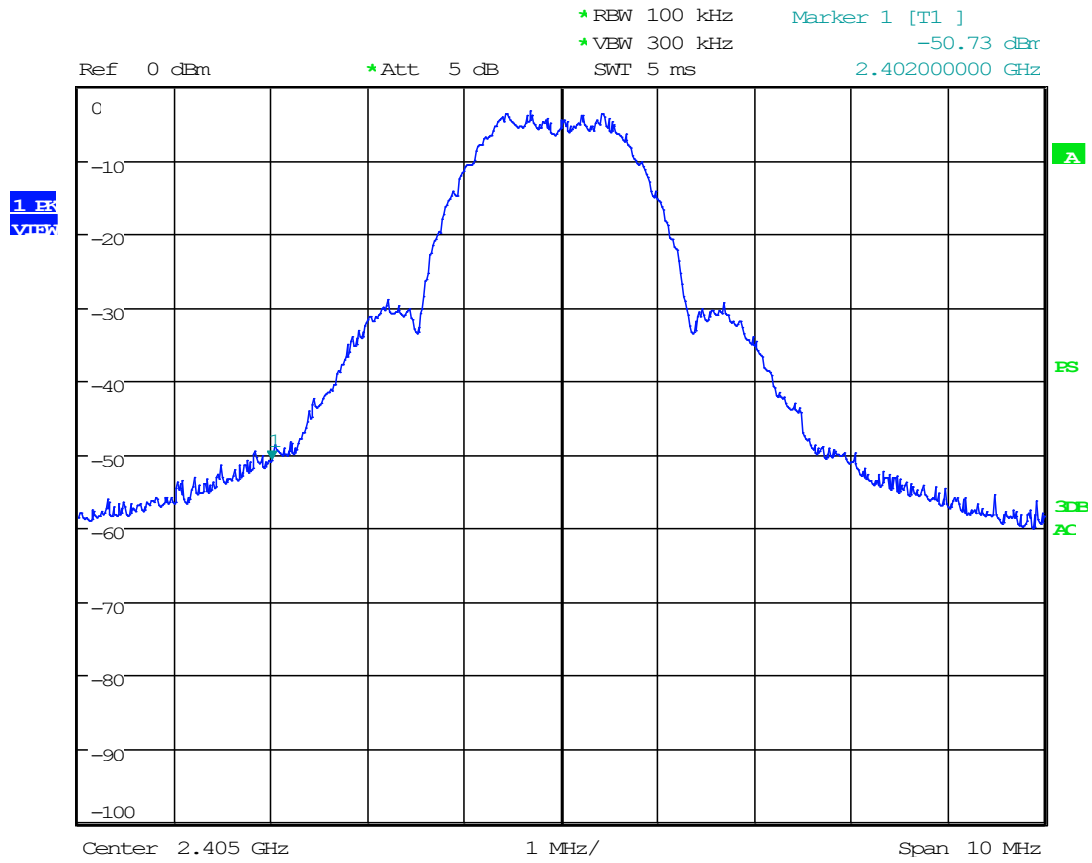
2Mb, High Channel: Spur Reference



Date: 28.MAY.2026 13:45:10



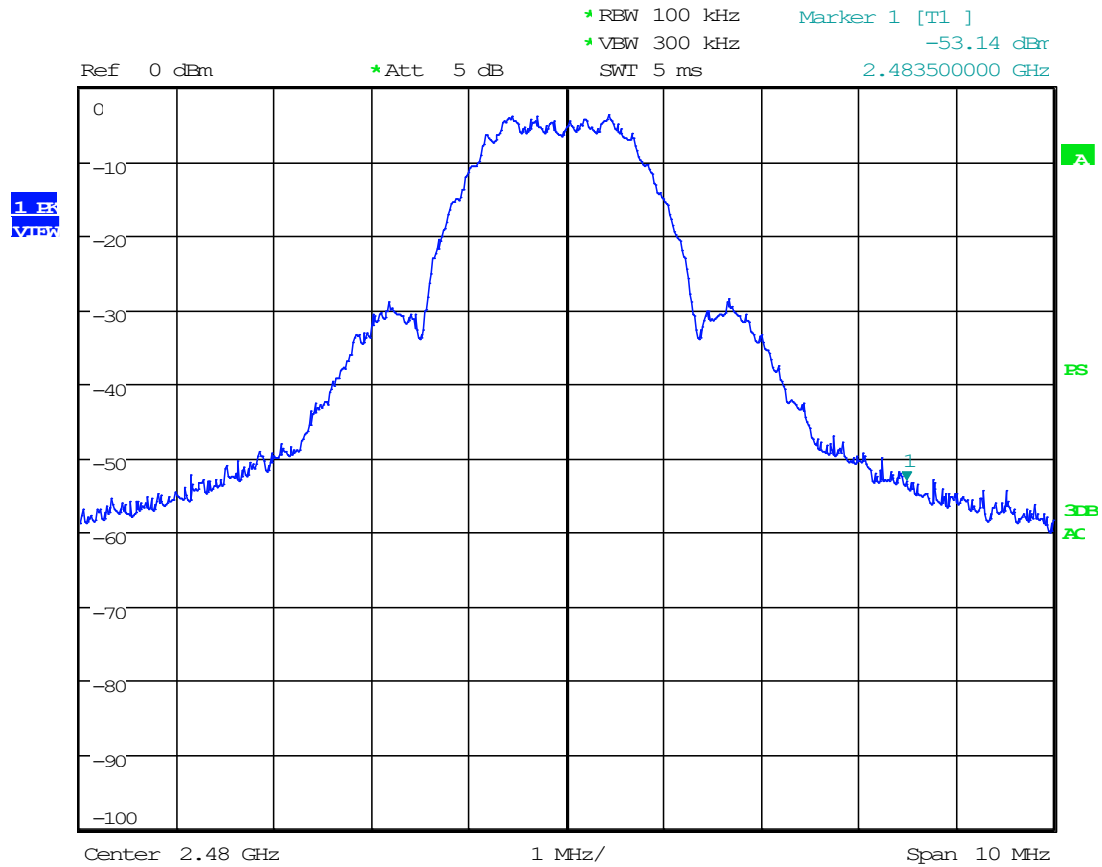
Thread: Low Band Edge



Date: 28.MAY.2026 14:05:15



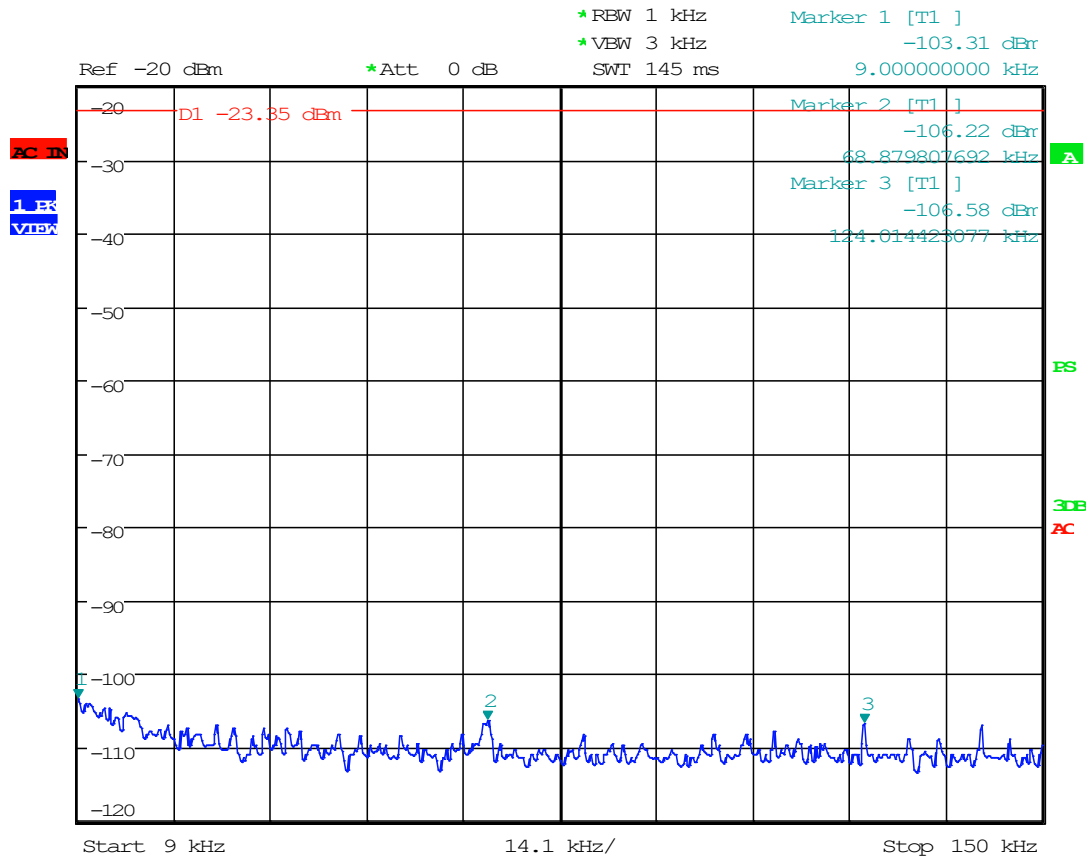
Thread: High Band Edge



Date: 28.MAY.2026 14:23:24



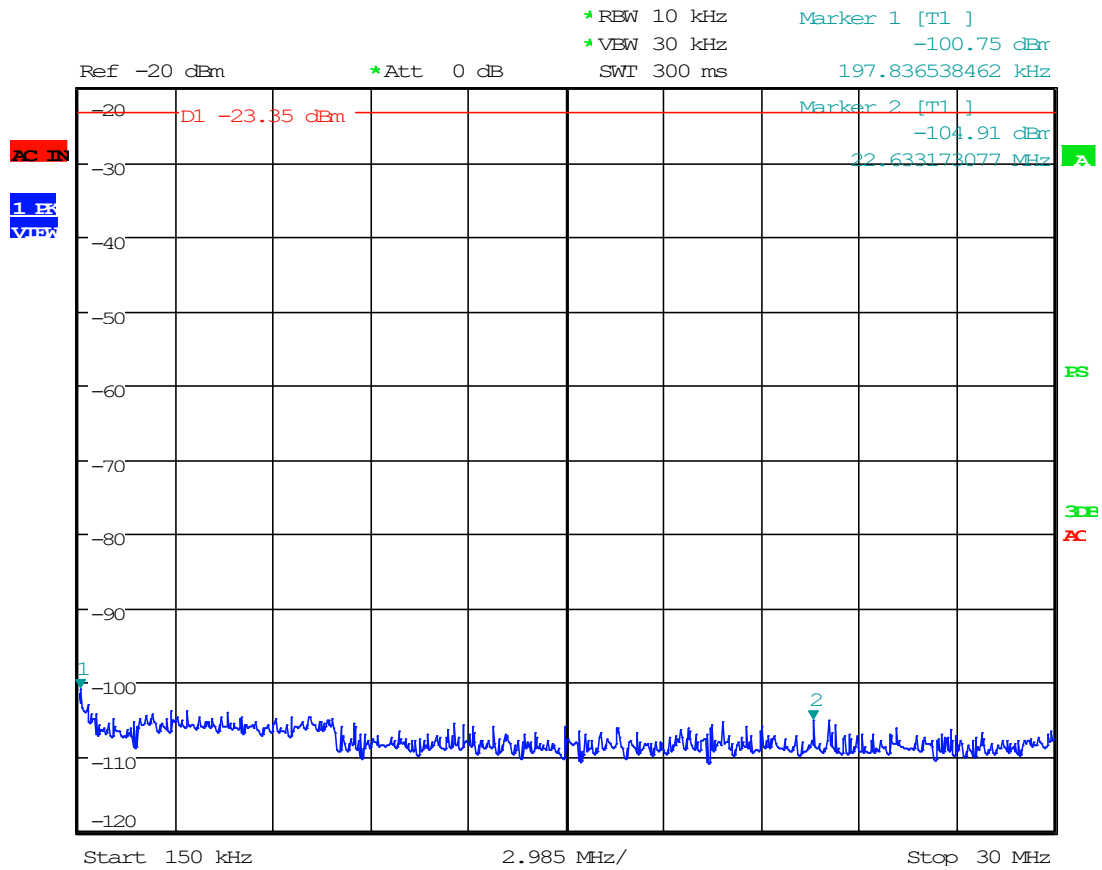
Thread: Low Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 14:06:36

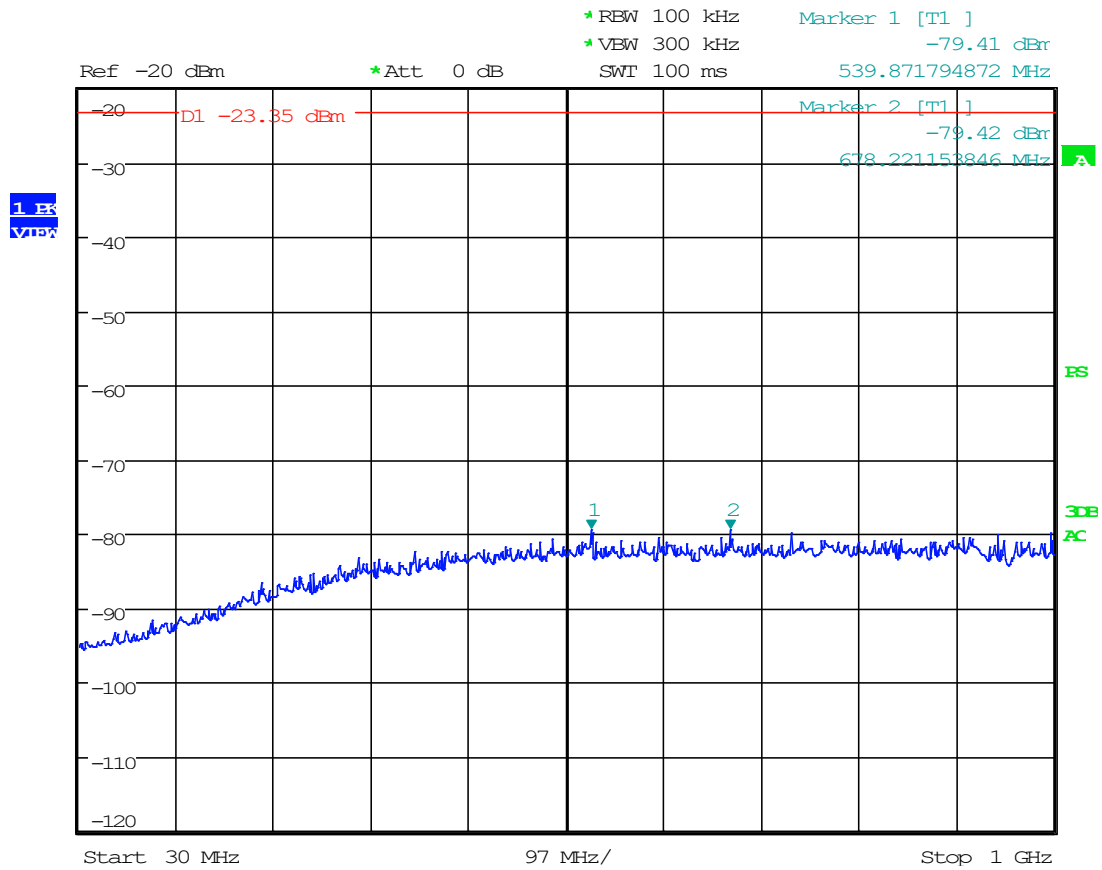


Thread: Low Channel: 0.15 MHz to 30 MHz





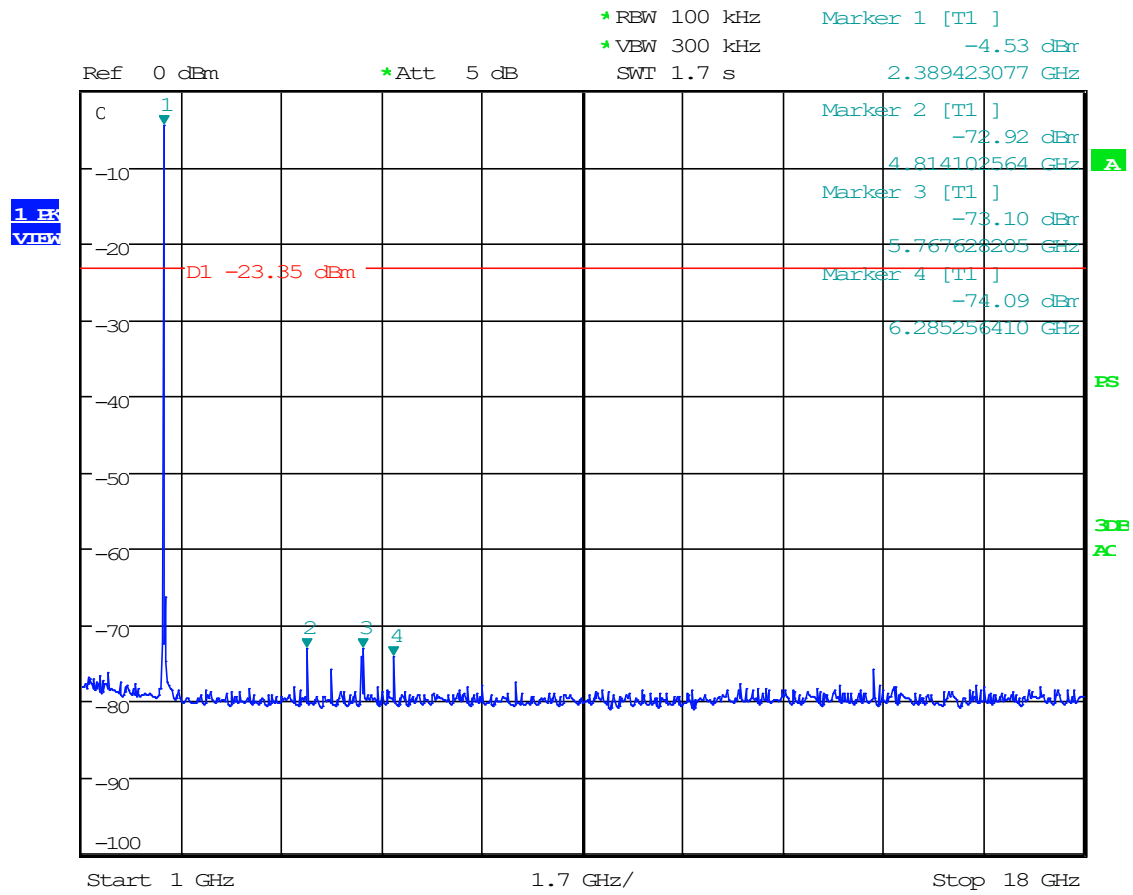
Thread: Low Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 14:08:35



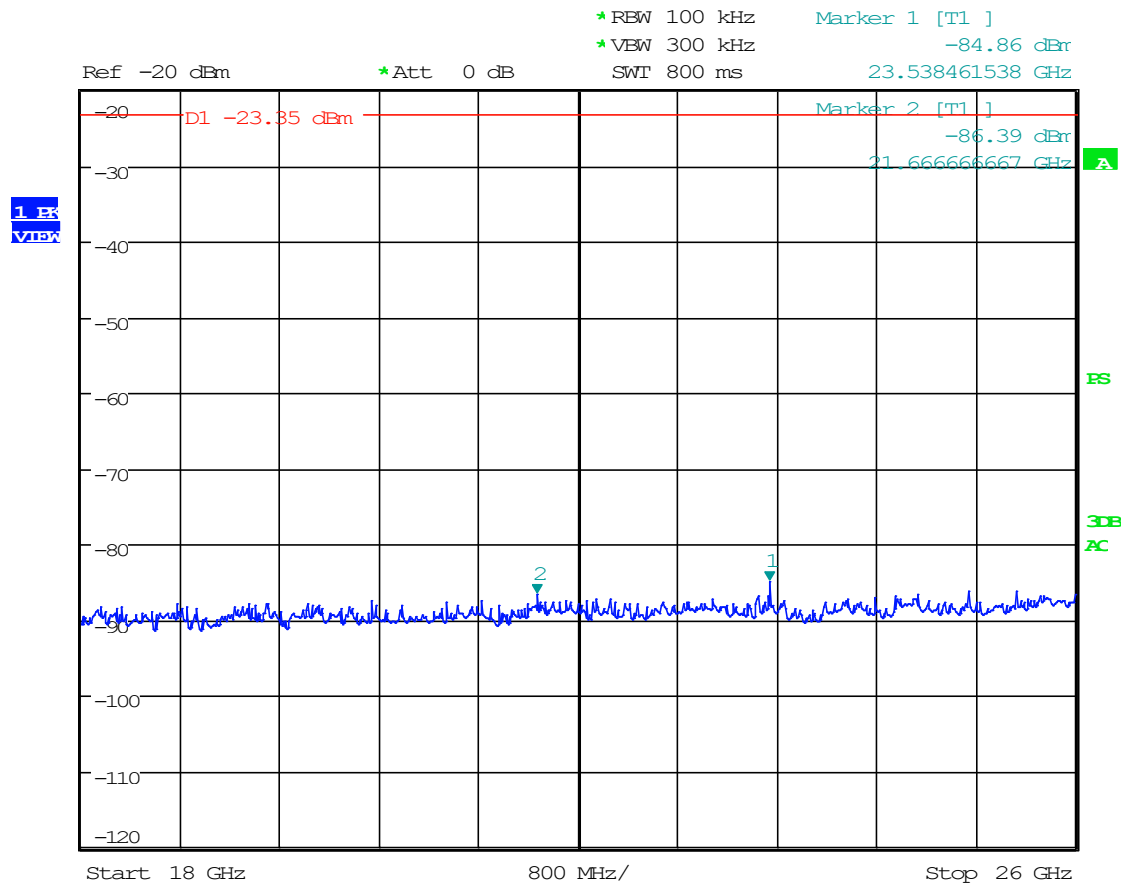
Thread: Low Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 14:09:23



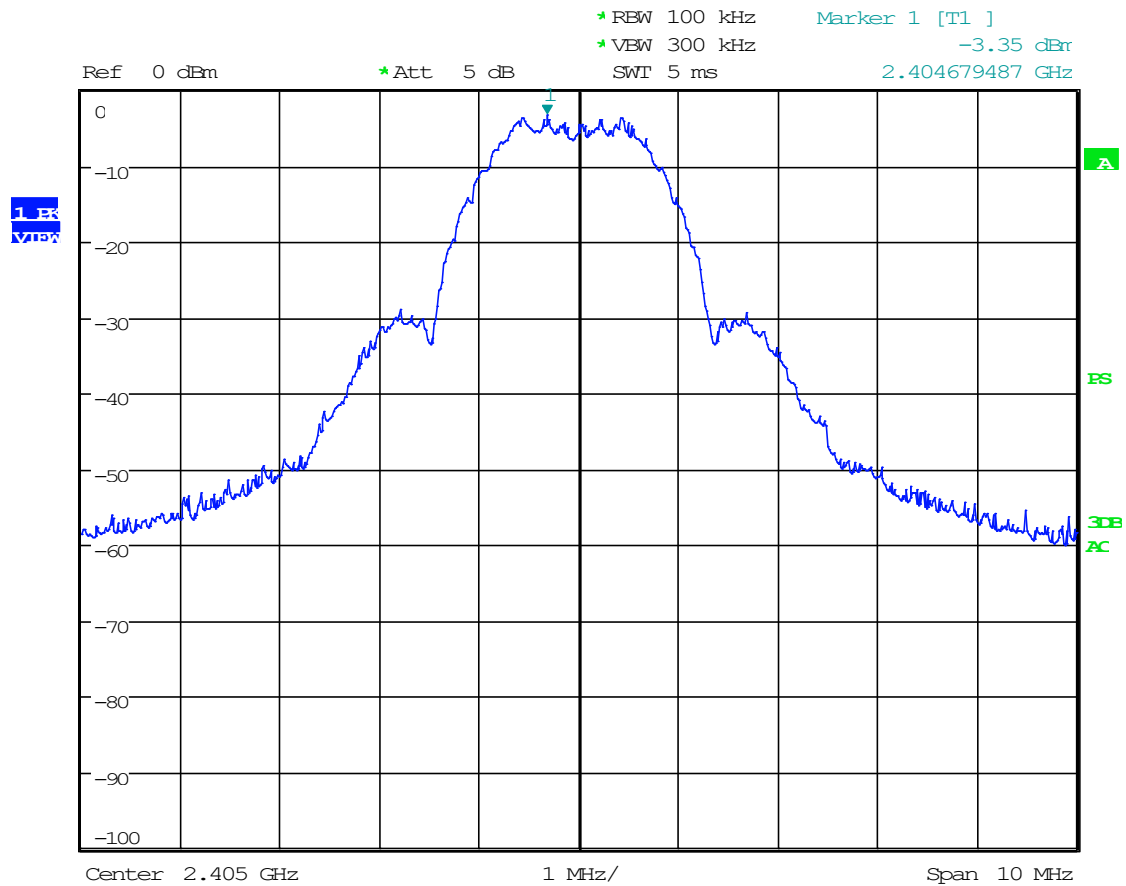
Thread: Low Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 14:10:09



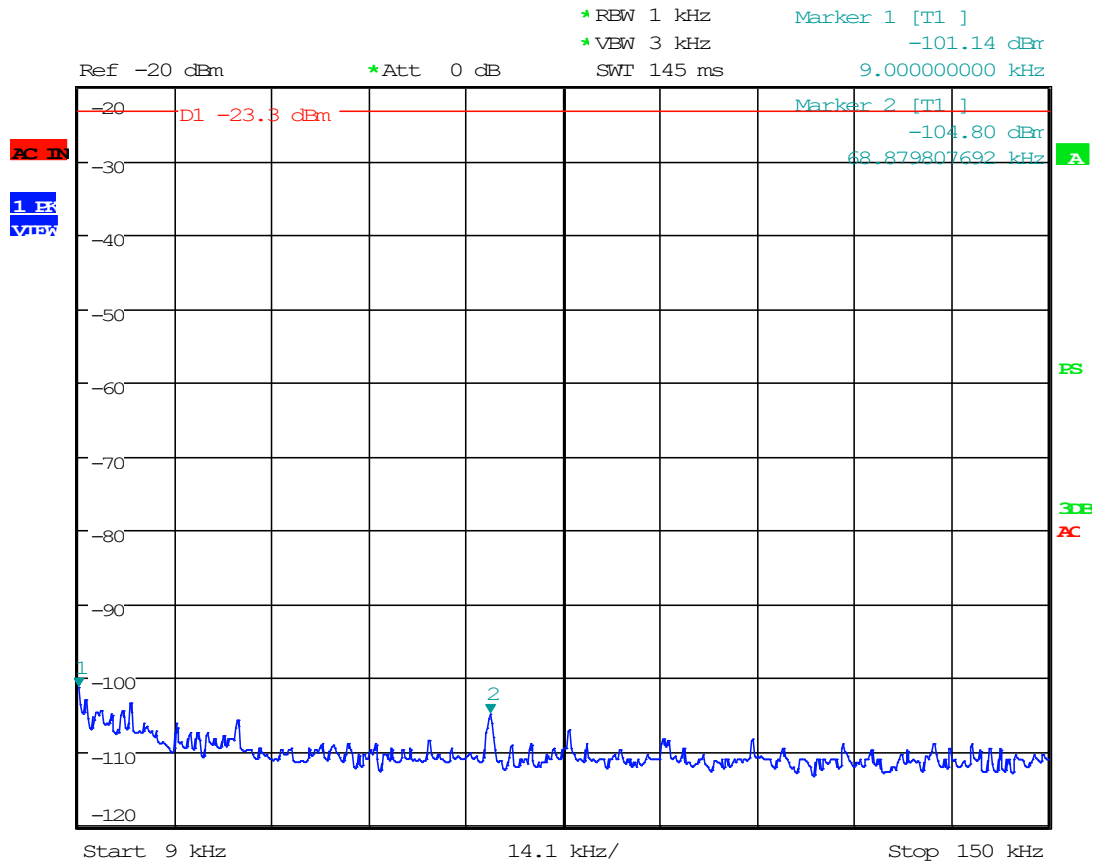
Thread: Low Channel: Spur Reference



Date: 28.MAY.2026 14:04:56



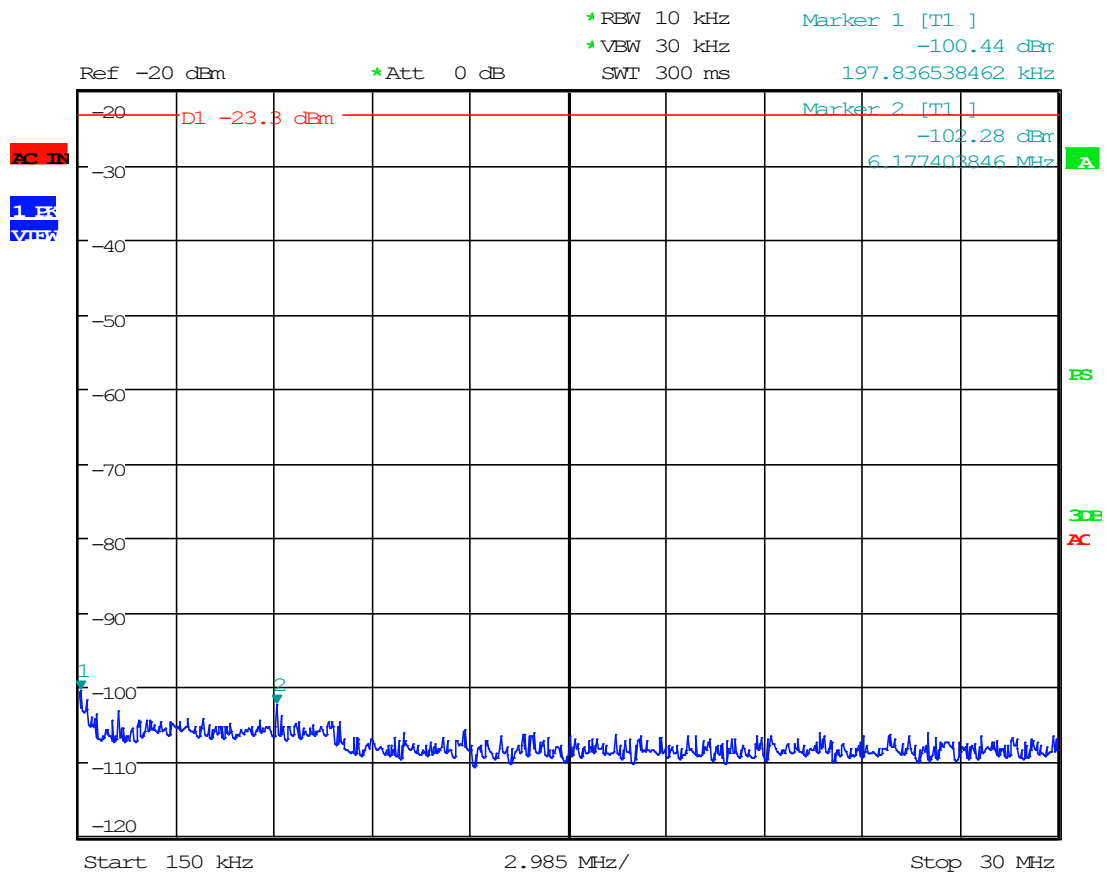
Thread: Mid Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 14:14:39



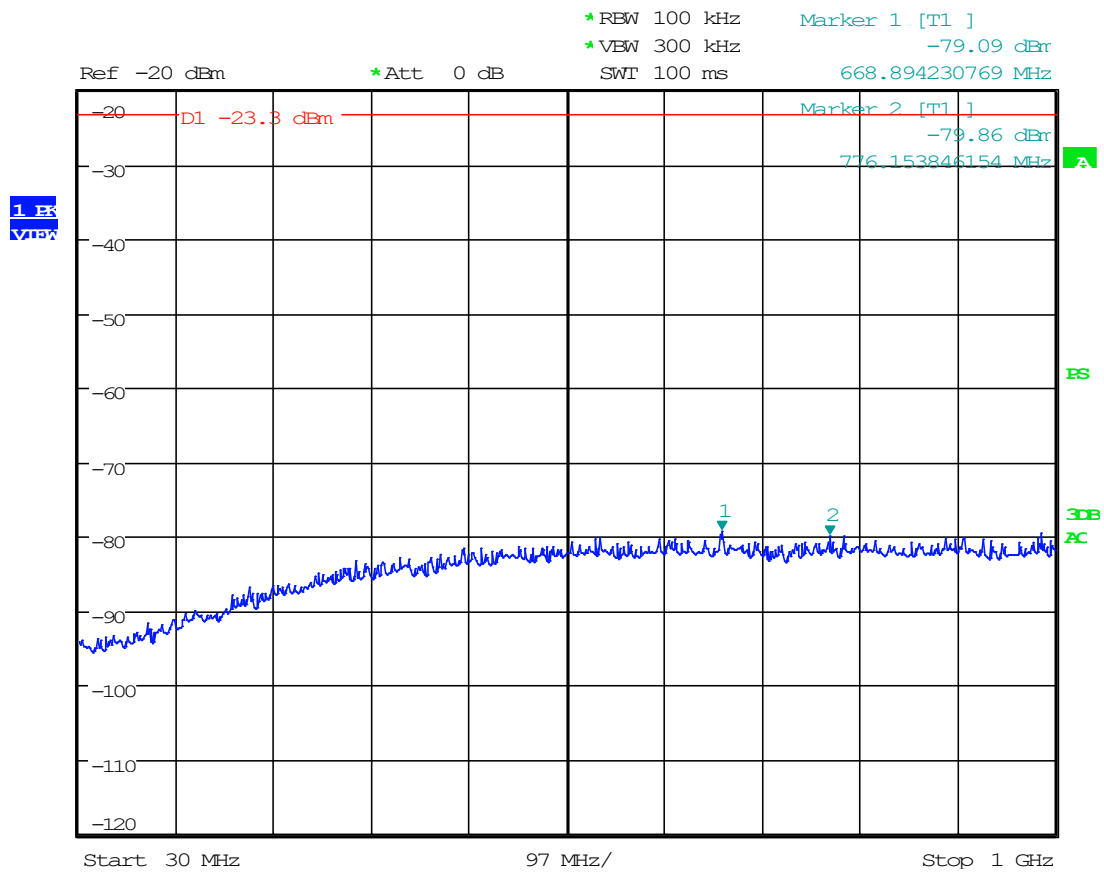
Thread: Mid Channel: 0.15 MHz to 30 MHz



Date: 28.MAY.2026 14:15:32



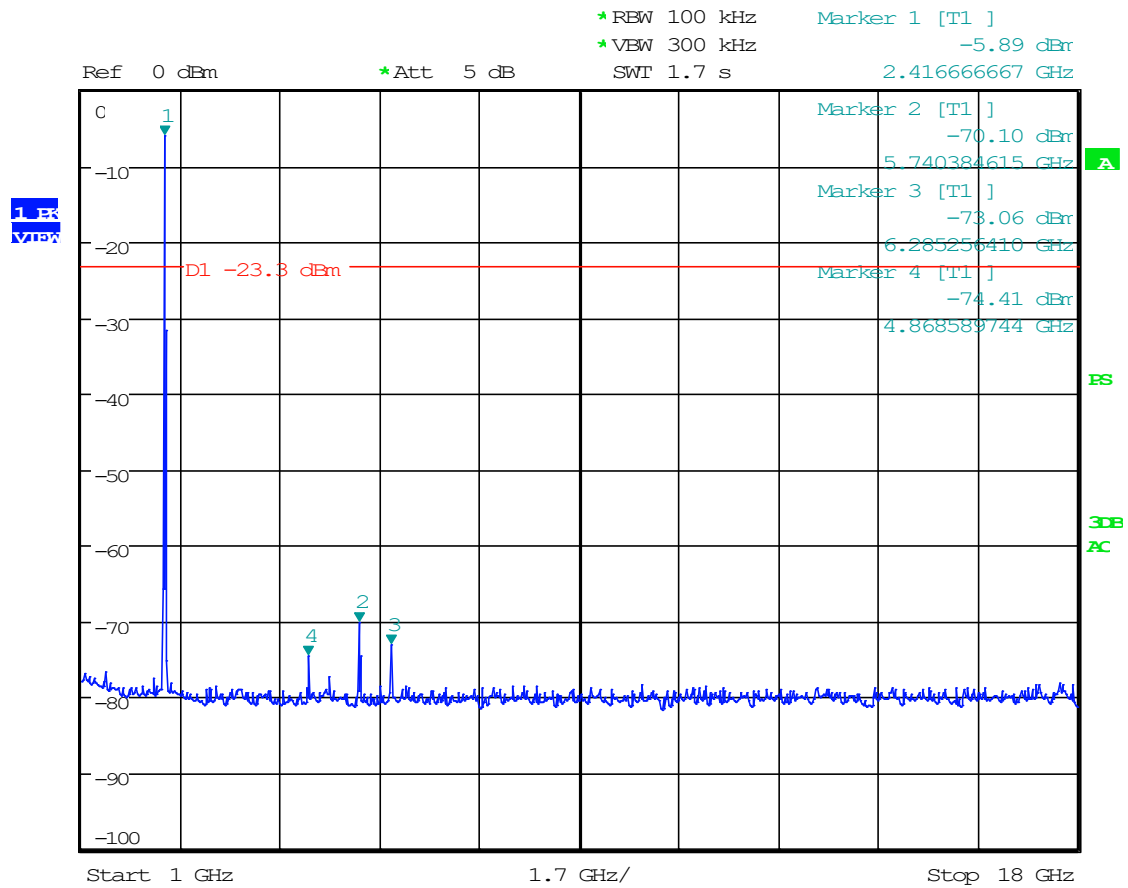
Thread: Mid Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 14:17:39



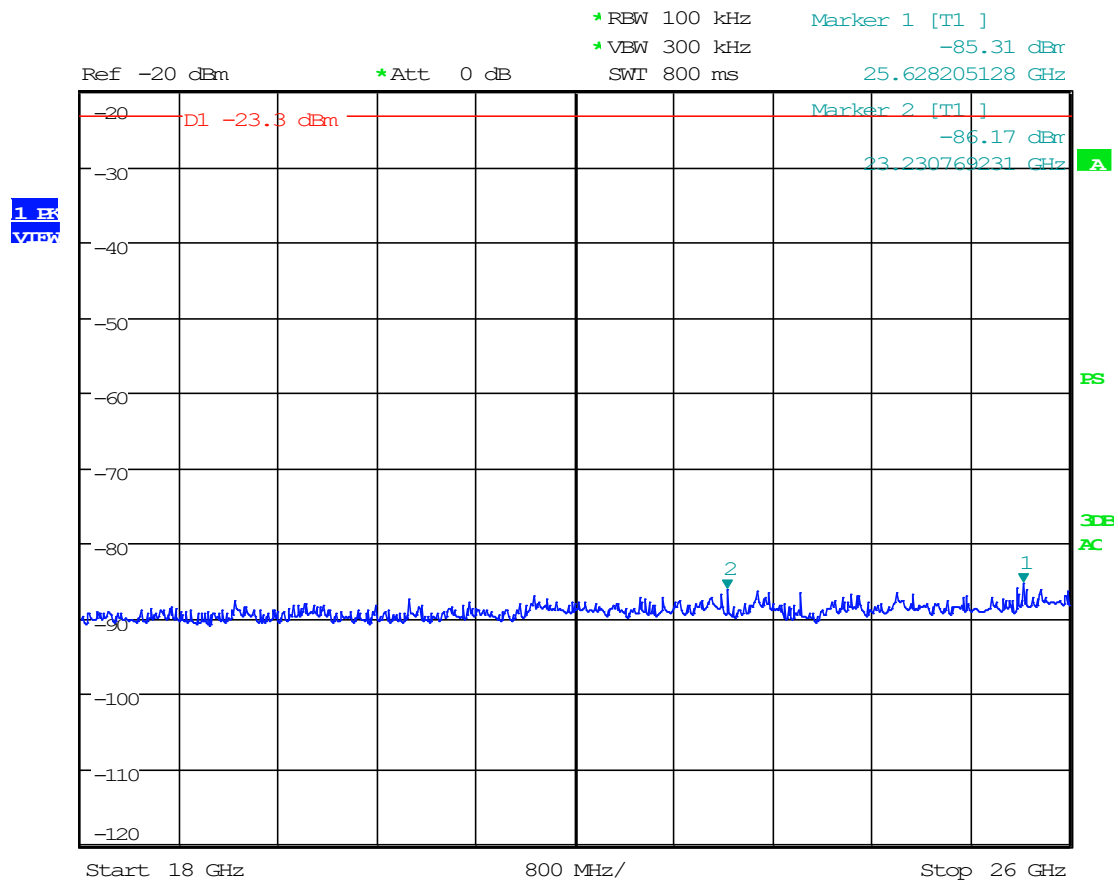
Thread: Mid Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 14:18:22



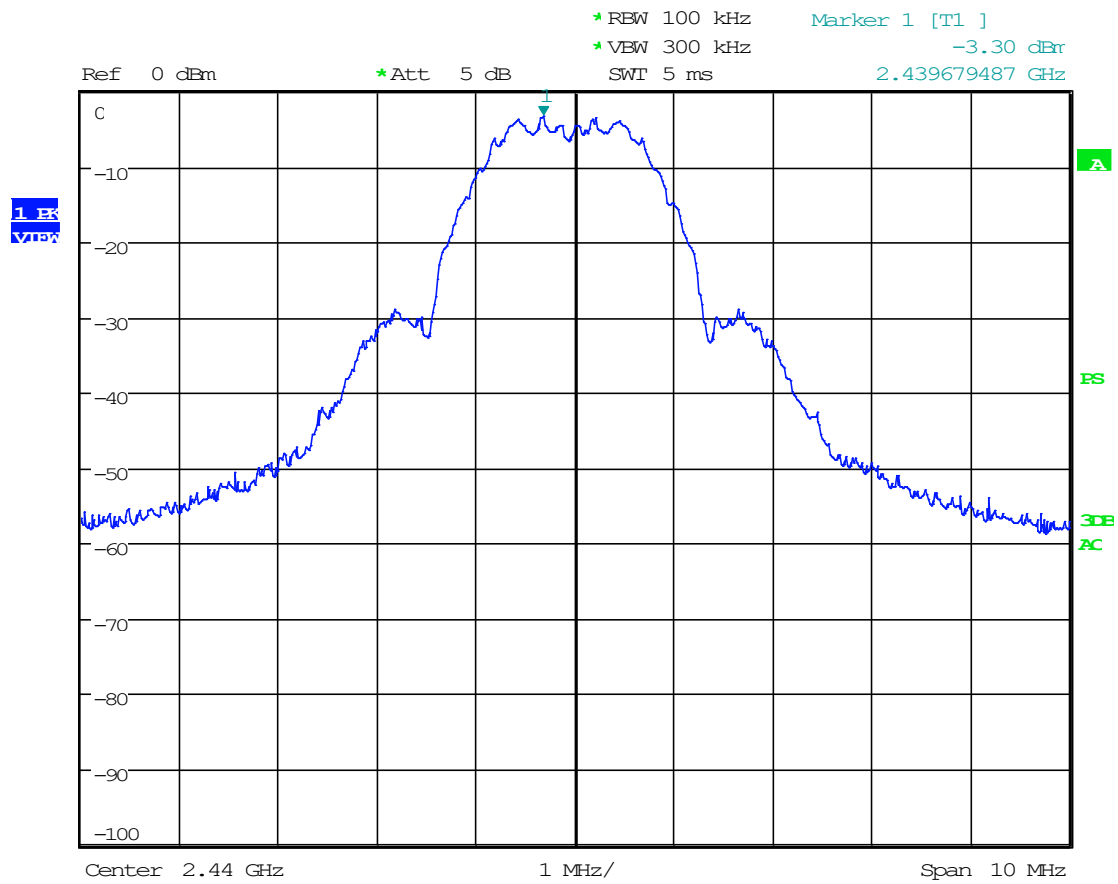
Thread: Mid Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 14:19:43



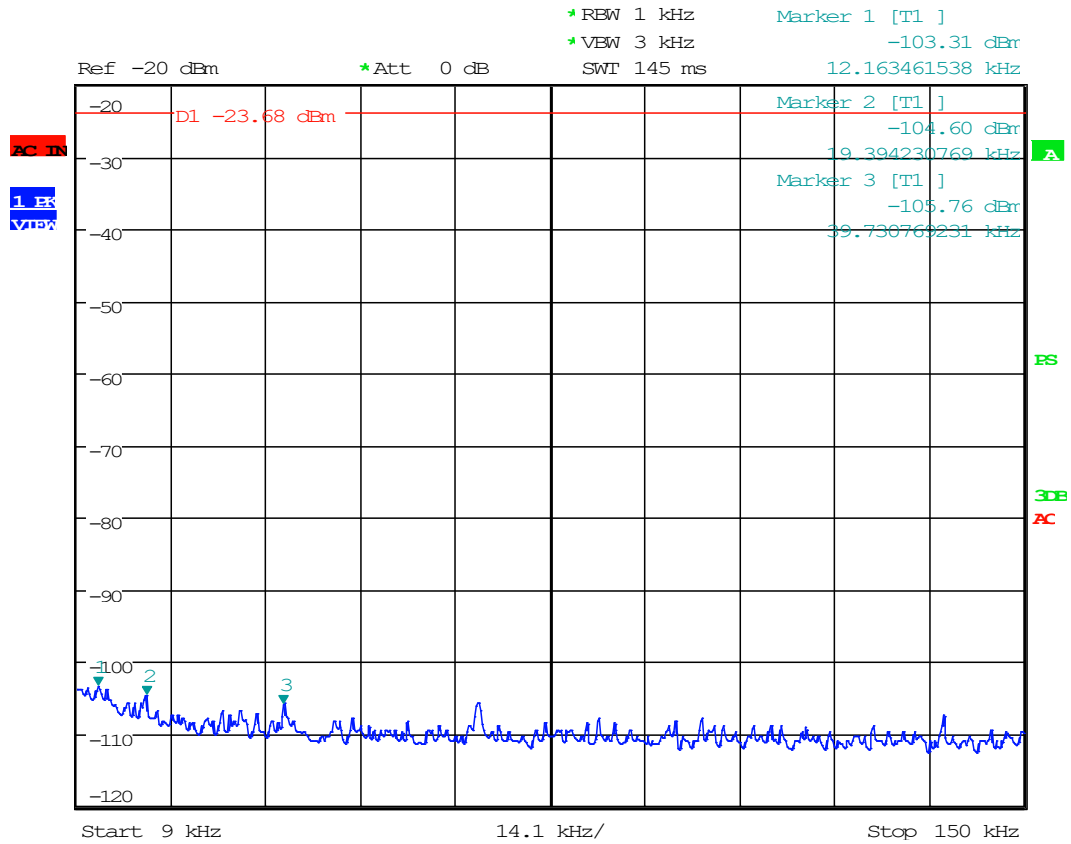
Thread: Mid Channel: Spur Reference



Date: 28.MAY.2026 14:11:20



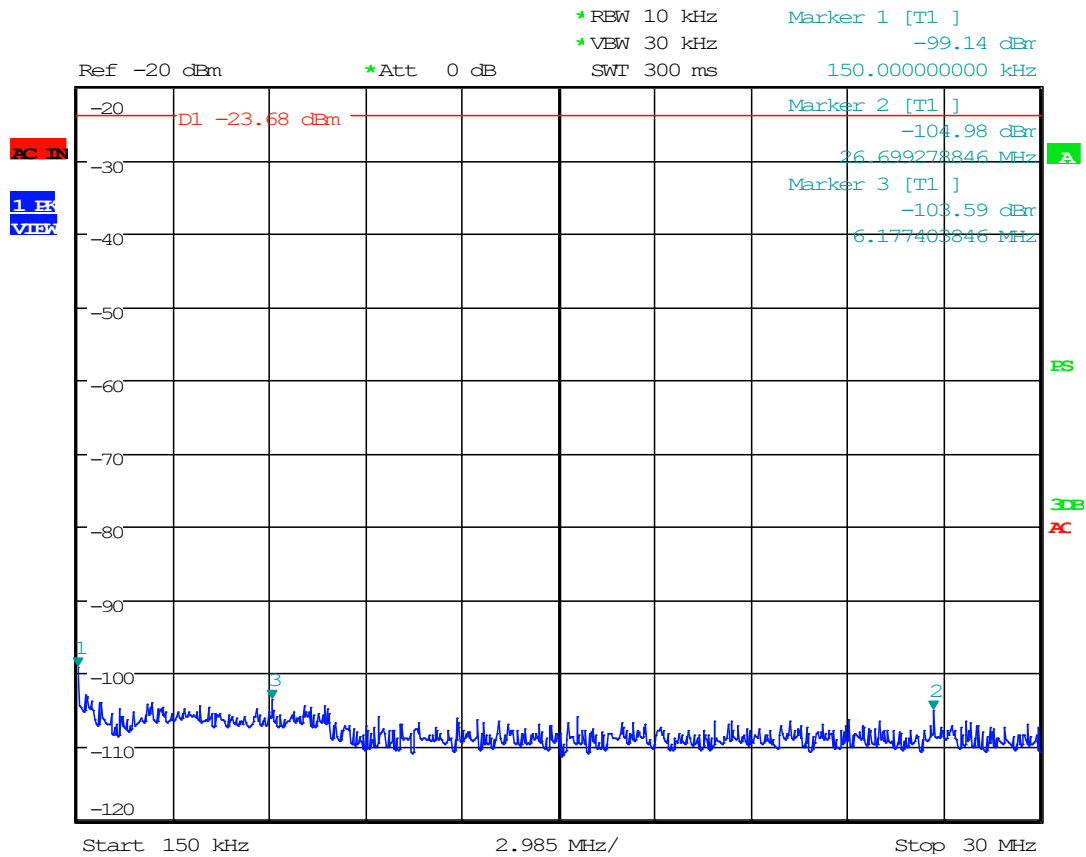
Thread: High Channel: 0.009 MHz to 0.15 MHz



Date: 28.MAY.2026 14:24:59

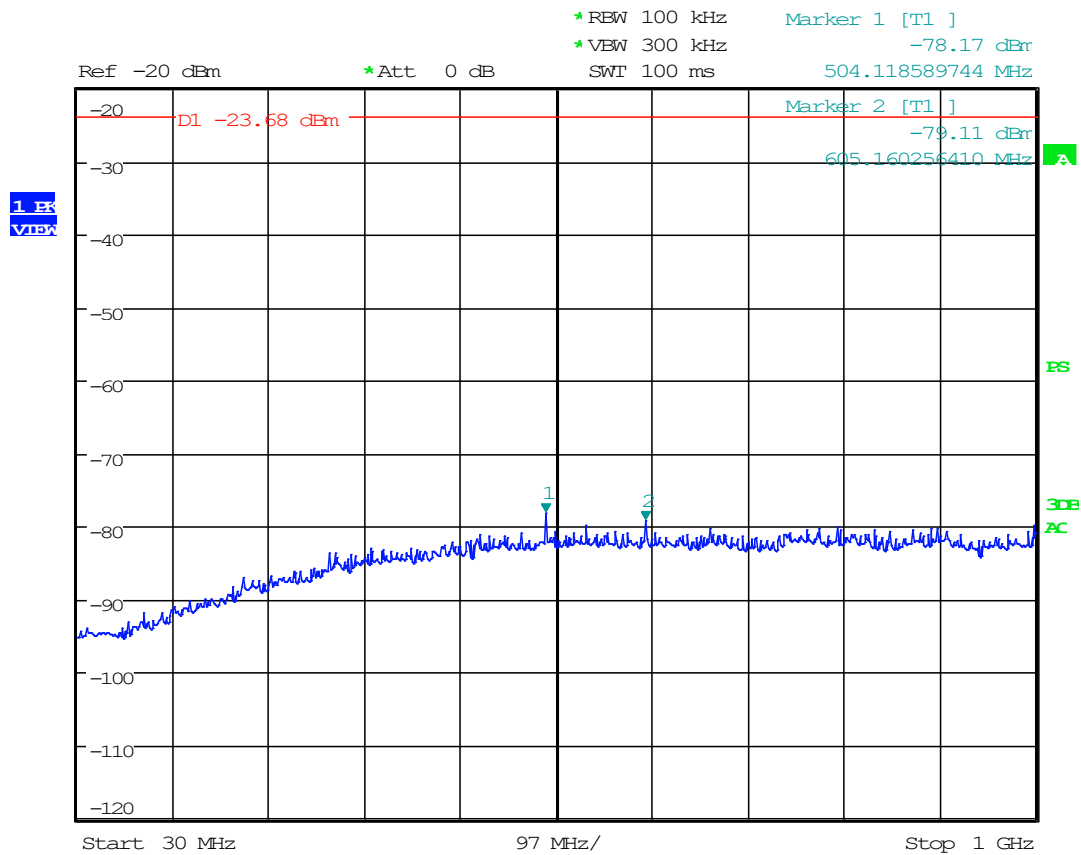


Thread: High Channel: 0.15 MHz to 30 MHz





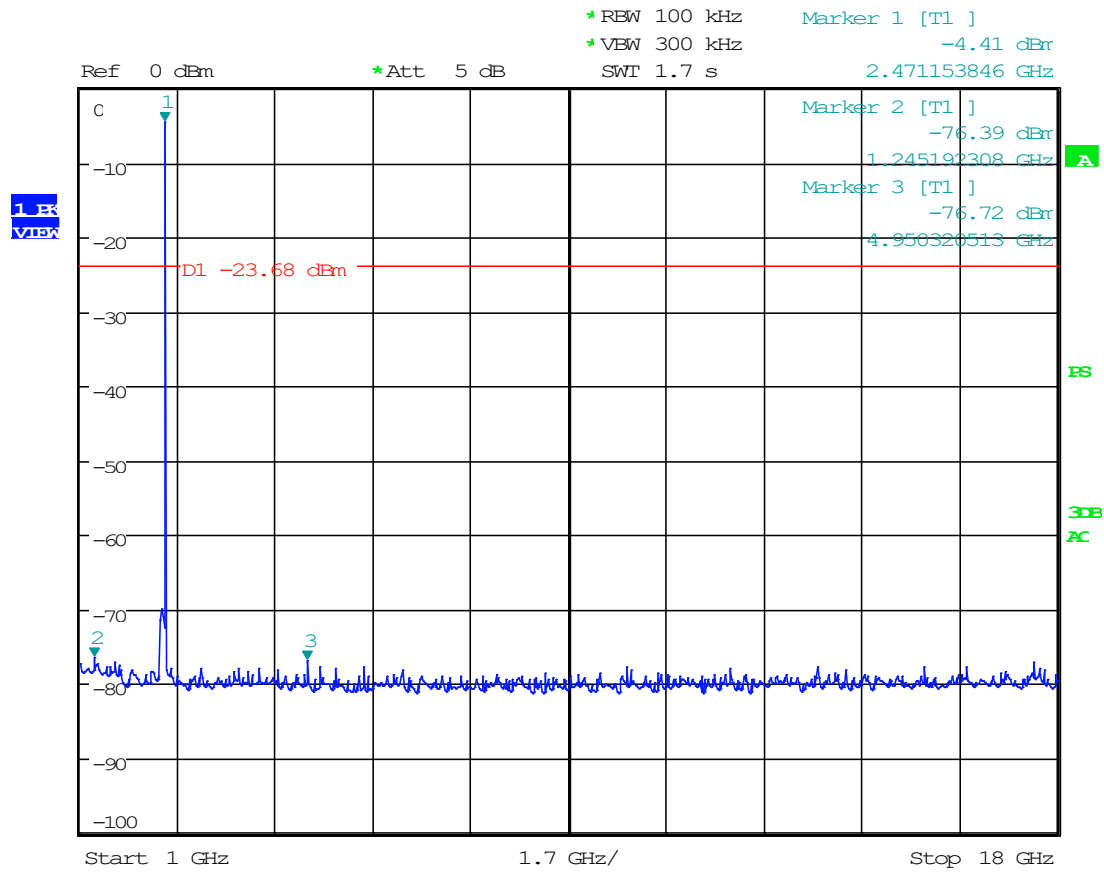
Thread: High Channel: 30 MHz to 1000 MHz



Date: 28.MAY.2026 14:26:19



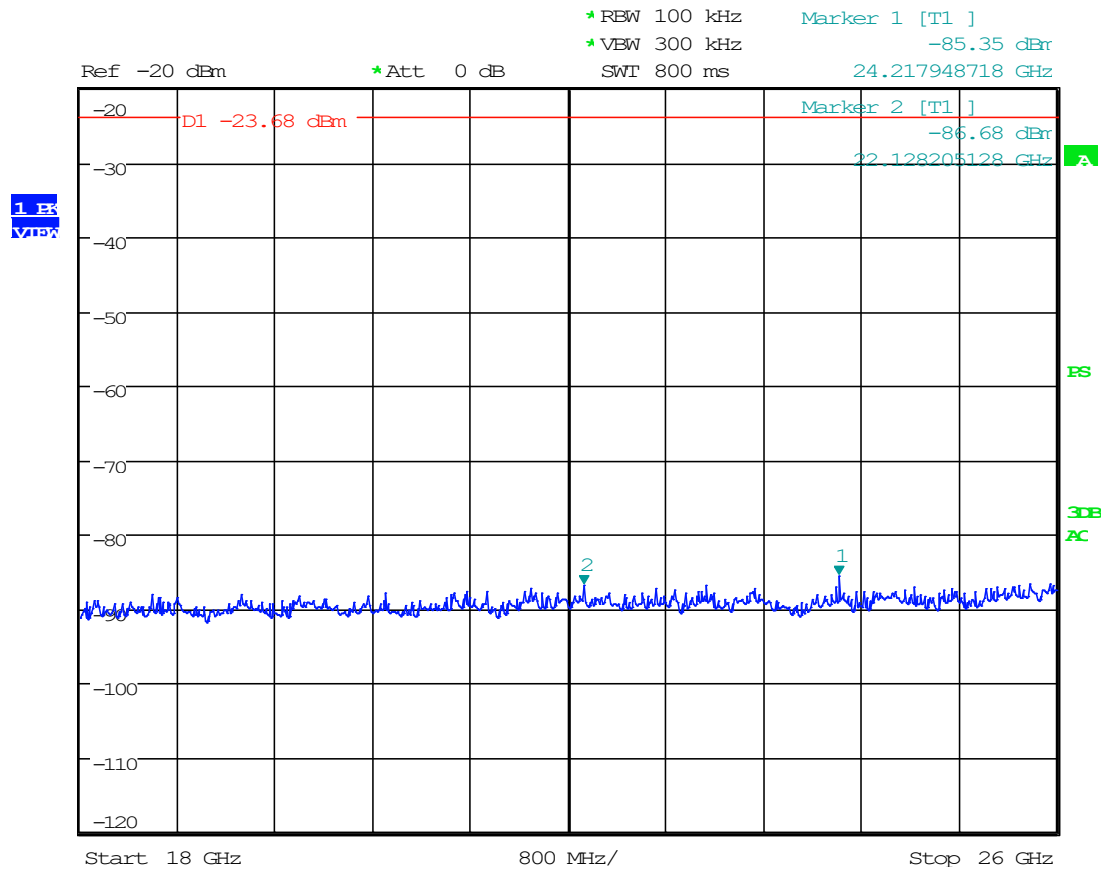
Thread: High Channel: 1 GHz to 18 GHz



Date: 28.MAY.2026 14:27:25



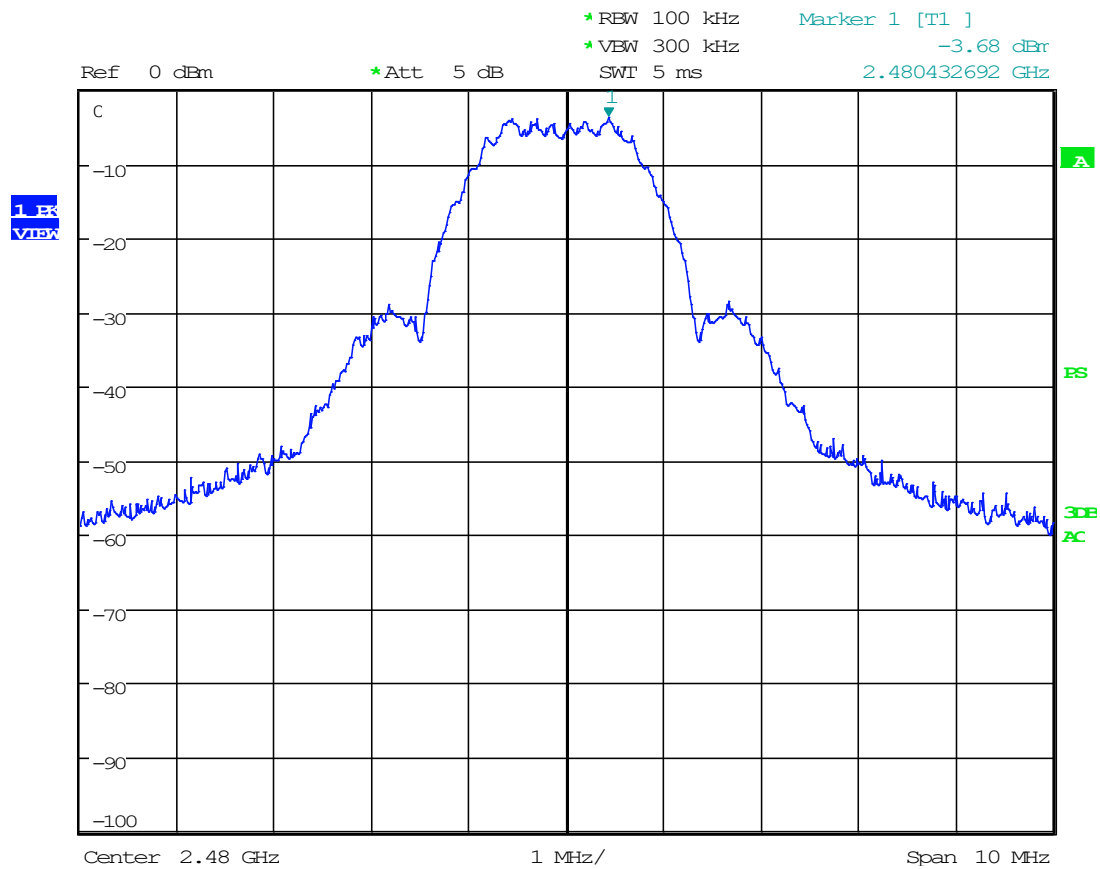
Thread: High Channel: 18 GHz to 26 GHz



Date: 28.MAY.2026 14:28:23



Thread: High Channel: Spur Reference



Date: 28.MAY.2026 14:22:59



10 RADIATED SPURIOUS EMISSIONS

The EUT antenna port was fitted with its 2.0dBi Gain Integral Antenna. Radiated emissions were measured in a Semi-Anechoic Chamber. All emissions generated that fall in the restricted bands per FCC Part 15.205 were examined.

10.1 Requirements:

All emissions that fall in the restricted bands defined in FCC Part 15.205 shall not exceed the maximum field strength listed in FCC Part 15.209(a).

Scans were performed from 9kHz to 26 GHz at the low, mid, and high channels and the low channel was determined to be the worst case. The tables of measured results follow in data presented and include measurements from all channels.



10.2 Radiated Spurious Emissions Test Data

Test Date(s):	2026-05-29 to 2026-06-01	Test Engineer:	E. Tobin
Standards:	CFR 47 Part 15.247(d); Part 15.209 / KDB558074	Air Temperature:	19.7°C
		Relative Humidity:	36%

Notes: Plots are peak, max hold prescan data included only to determine what frequencies to investigate and measure. The EUT was initially placed in a semi-anechoic chamber and rotated in all three orthogonal positions to maximize the emissions. Characterization measurements were then performed to determine at which frequencies significant emissions occurred. These graphs are shown below.

The equipment was fully exercised with all cabling attached to the EUT and was positioned on the Semi-Anechoic Chamber for maximum emissions. While the equipment was energized, the receiving antenna was scanned from 1.0 meter to 4.0 meters in both vertical and horizontal polarities while the turntable was adjusted 360 degrees to determine the maximum field strength. EUT was tested in the position found to give worst-case emissions - horizontal. The tables of measured results can be found below.

Some of the frequencies did not change with the EUT on or off. At those frequencies, the test distance was shortened to 1 meter and still no emissions from the EUT were visible or over the ambient or limit.

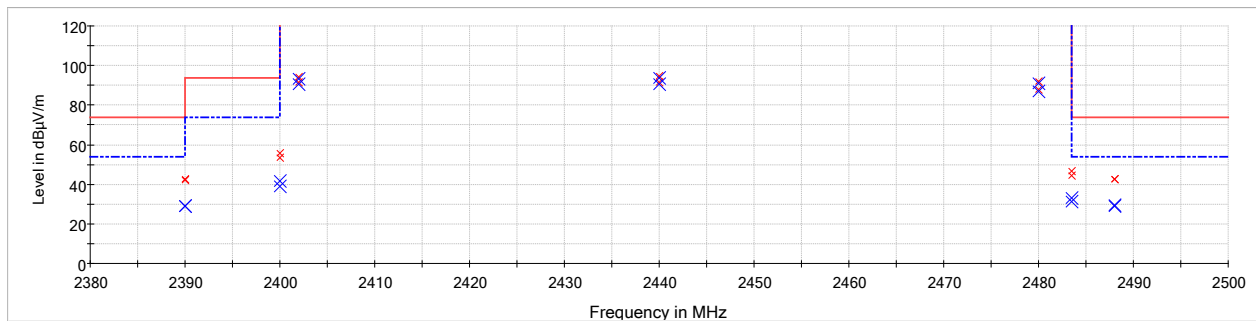
In the following plots, the black line indicates ambient noise and the red line indicates the measurement with the EUT on. Emissions to be found by the EUT were measured and listed in tables. The plots are for reference only and the limit lines are not actual limit lines but merely a guide.

The 1Mb mid channel was found to be the worst-case emissions.



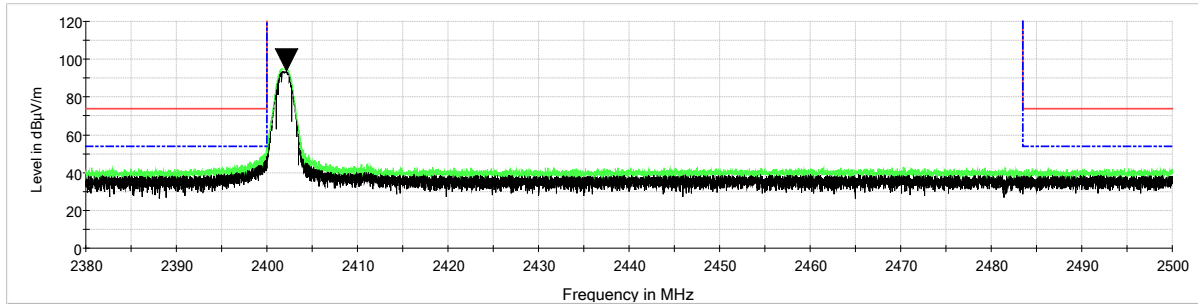
1Mb, Band Edge Measurements (All Channels)

Frequency MHz	MaxPeak dBμV/m	Average dBμV/m	Average mV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - AVG dB	Limit - AVG dBμV/m	Limit - AVG mV/m
2390.000000	42.5	28.8	0.028	1000.000	180.0	H	35.0	4.0	44.8	73.6	4.786
2390.000000	42.0	29.0	0.028	1000.000	190.0	V	350.0	4.0	44.6	73.6	4.786
2400.000000	55.7	41.6	0.120	1000.000	190.0	V	350.0	4.1	32.0	73.6	4.786
2400.000000	53.3	39.0	0.089	1000.000	180.0	H	35.0	4.1	34.6	73.6	4.786
2402.000000	91.5	90.6	33.884	1000.000	180.0	H	35.0	4.1			
2402.000000	94.2	93.1	45.186	1000.000	190.0	V	350.0	4.1			
2440.000000	94.6	93.6	47.863	1000.000	140.0	V	0.0	4.4			
2440.000000	91.7	90.7	34.277	1000.000	180.0	H	30.0	4.4			
2480.000000	91.7	90.8	34.674	1000.000	160.0	V	0.0	4.4			
2480.000000	88.0	87.0	22.387	1000.000	140.0	H	30.0	4.4			
2483.500000	46.7	32.9	0.044	1000.000	160.0	V	0.0	4.4	21.1	54.0	0.501
2483.500000	44.4	31.2	0.036	1000.000	140.0	H	30.0	4.4	22.8	54.0	0.501
2488.000000	42.4	29.3	0.029	1000.000	160.0	V	0.0	4.4	24.7	54.0	0.501
2488.000000	42.4	29.1	0.029	1000.000	140.0	H	30.0	4.4	24.9	54.0	0.501

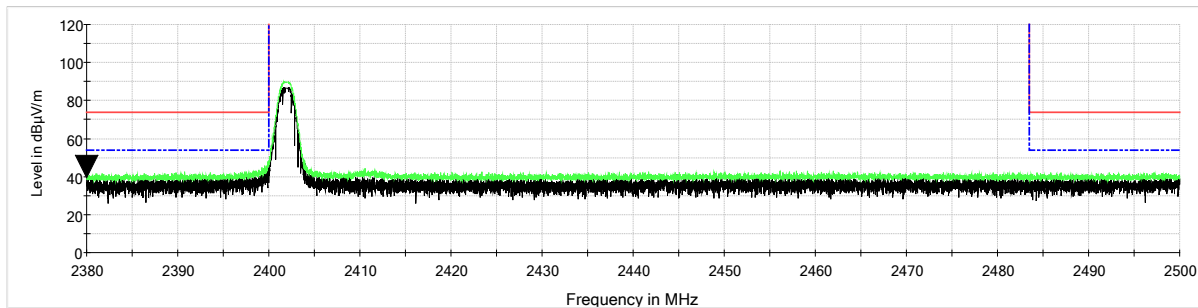




1 Mb, Low Channel: Band Edge – Vertical

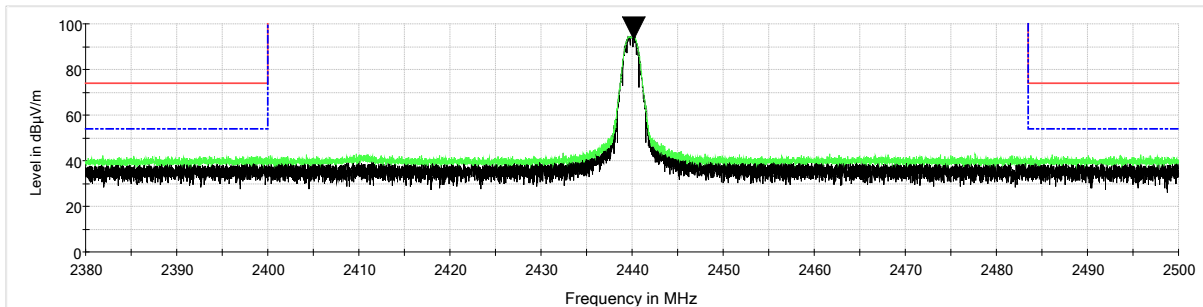


1 Mb, Low Channel: Band Edge – Horizontal

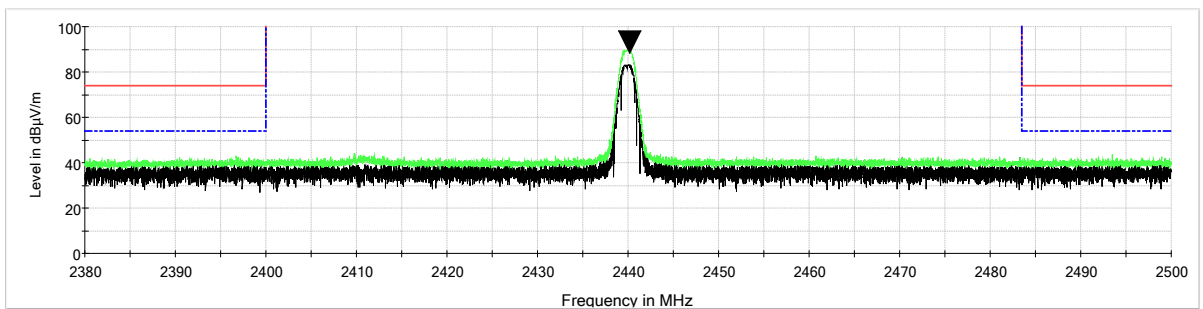




1 Mb, Mid Channel: Band Edge – Vertical

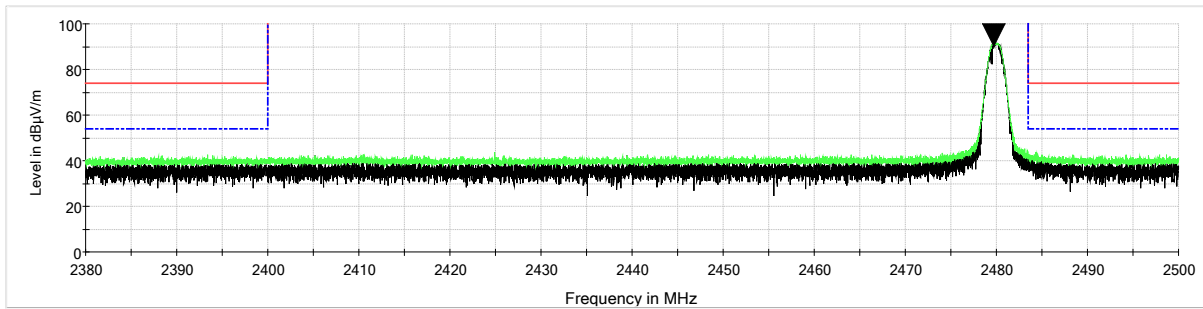


1 Mb, Mid Channel: Band Edge – Horizontal

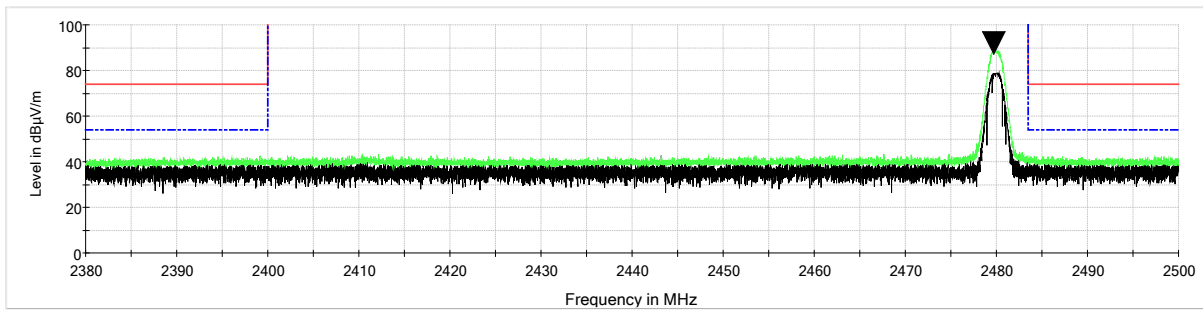


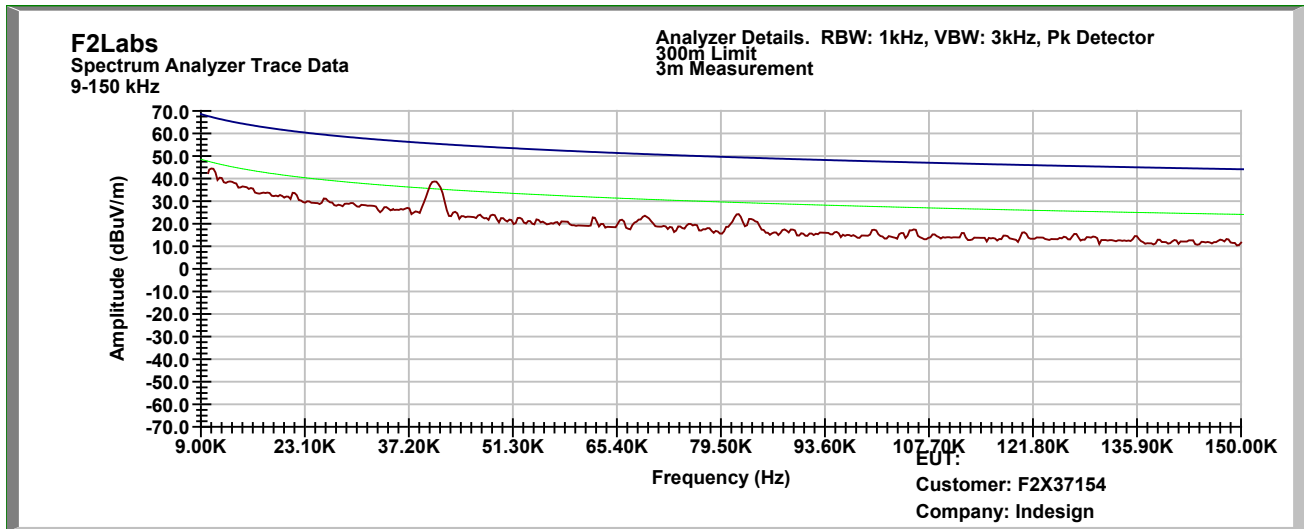
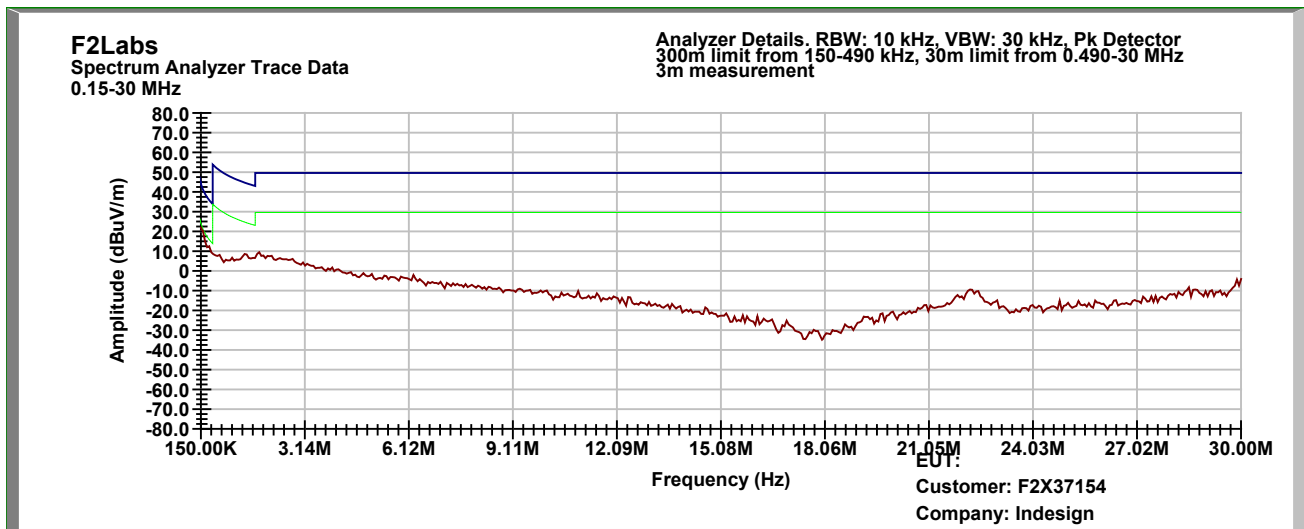


1 Mb, High Channel: Band Edge – Vertical



1 Mb, High Channel: Band Edge – Horizontal

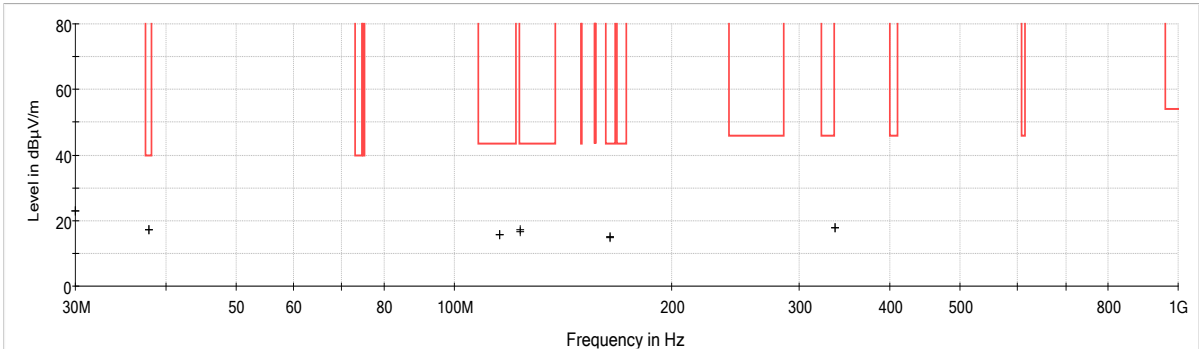


**1Mb, Radiated Spurious Emissions: 0.009 MHz to 0.15 MHz****1Mb, Radiated Spurious Emissions: 0.15 MHz to 30 MHz**

Note: Plots display 3m measurements with 30m and 300m limits. Measurement to be extrapolated by subtracting 40dB per decade. Peak trace below AVG/QP limit.

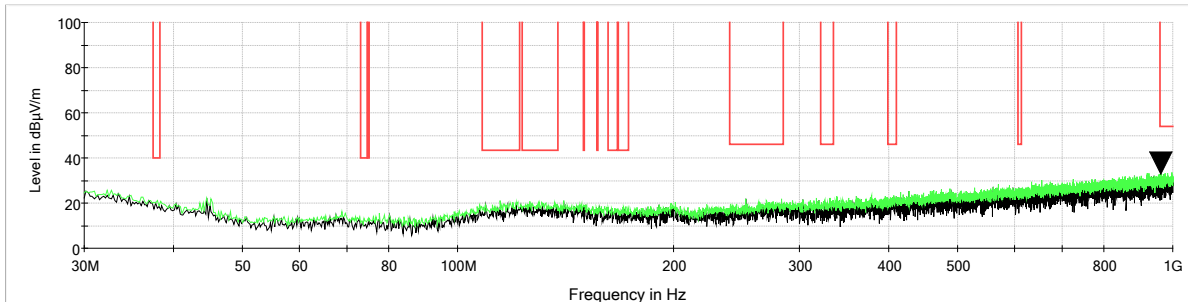


Frequency MHz	QuasiPeak dBµV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - QPK dB	Limit - QPK dBµV/m
30.000000	22.9	120.000	100.0	H	357.0	-19.0	17.1	40.0
30.000000	22.9	120.000	150.0	V	355.0	-19.0	17.1	40.0
37.954000	17.2	120.000	150.0	V	0.0	-25.0	22.8	40.0
37.954000	17.2	120.000	100.0	H	0.0	-25.0	22.8	40.0
115.554000	15.8	120.000	150.0	V	355.0	-26.1	27.7	43.5
115.554000	15.8	120.000	100.0	H	0.0	-26.1	27.7	43.5
123.508000	16.6	120.000	150.0	V	0.0	-25.5	26.9	43.5
123.508000	17.2	120.000	100.0	H	3.0	-25.5	26.3	43.5
164.442000	15.0	120.000	100.0	H	0.0	-27.1	28.5	43.5
164.442000	14.9	120.000	150.0	V	0.0	-27.1	28.6	43.5
335.550000	17.8	120.000	150.0	V	0.0	-24.3	28.2	46.0
335.550000	17.8	120.000	100.0	H	2.0	-24.3	28.2	46.0

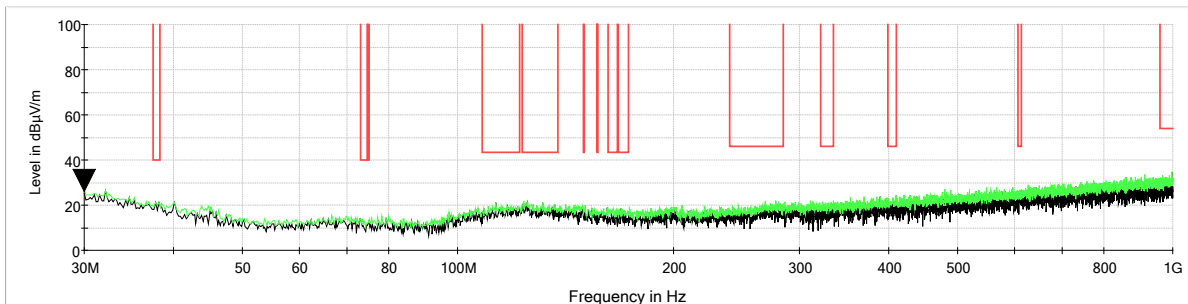




1Mb, Radiated Spurious Emissions: 30 MHz to 1000 MHz - Vertical

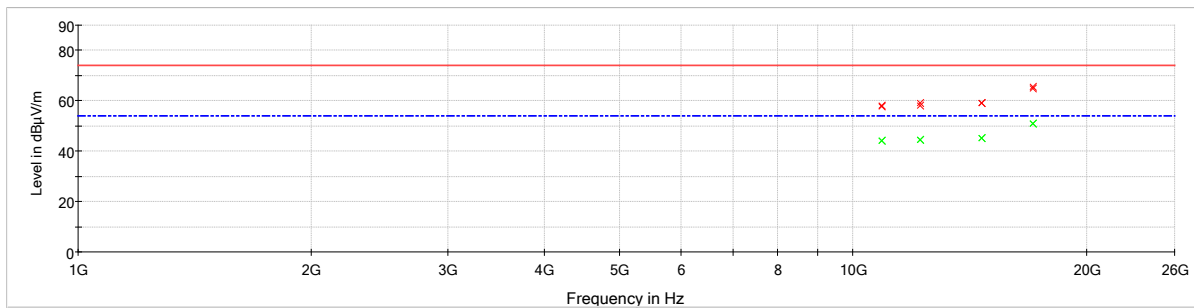


1Mb, Radiated Spurious Emissions: 30 MHz to 1000 MHz - Horizontal



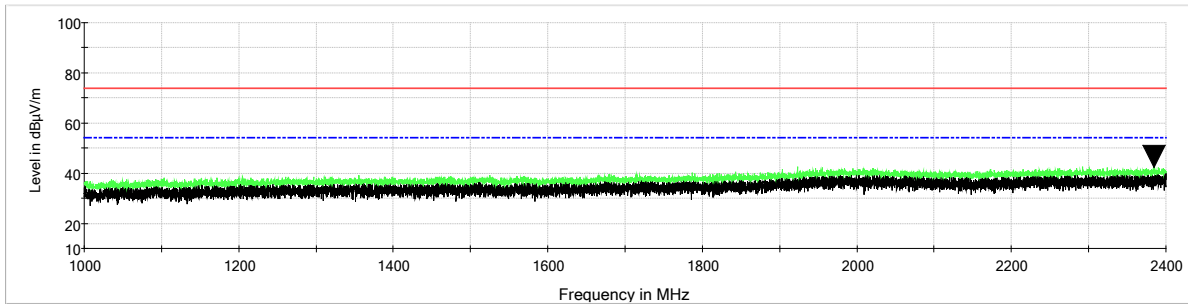
**1Mb, Measurements: Greater Than 1 GHz**

Frequency MHz	MaxPeak dBμV/m	Average dBμV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - AVG dB	Limit - AVG dBμV/m
10888.636000	58.0	44.1	1000.000	150.0	V	350.0	17.0	9.9	54.0
10888.636000	57.8	44.1	1000.000	150.0	H	353.0	17.0	9.9	54.0
12200.000000	59.2	44.6	1000.000	150.0	H	0.0	17.0	9.4	54.0
12200.000000	58.2	44.6	1000.000	150.0	V	0.0	17.0	9.4	54.0
14640.000000	59.1	45.2	1000.000	150.0	H	0.0	17.8	8.8	54.0
14640.000000	59.0	45.3	1000.000	150.0	V	0.0	17.8	8.7	54.0
17080.000000	64.8	51.1	1000.000	150.0	V	5.0	23.5	2.9	54.0
17080.000000	65.5	51.1	1000.000	150.0	H	0.0	23.5	2.9	54.0

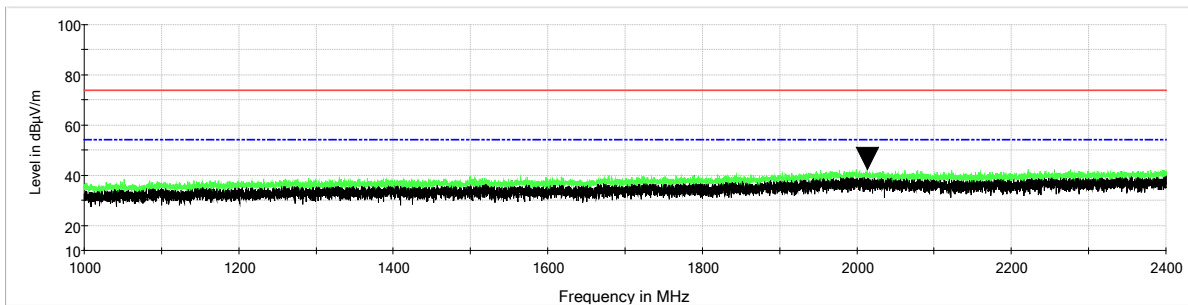




1Mb, Radiated Spurious Emissions: 1 GHz to 2.4 GHz - Vertical

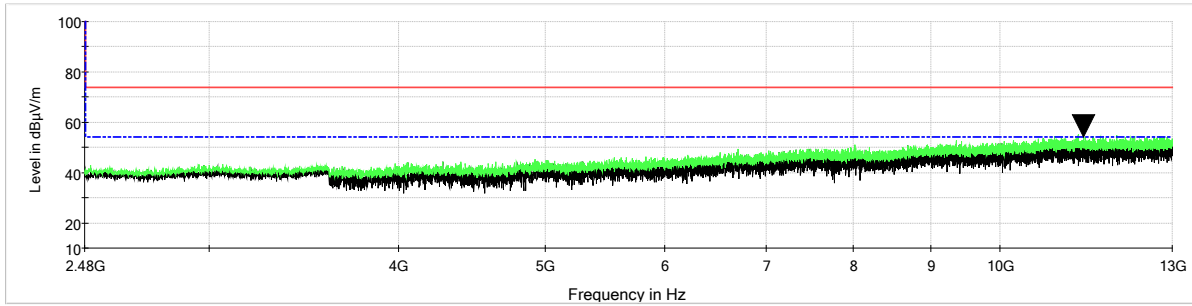


1Mb, Radiated Spurious Emissions: 1 GHz to 2.4 GHz - Horizontal

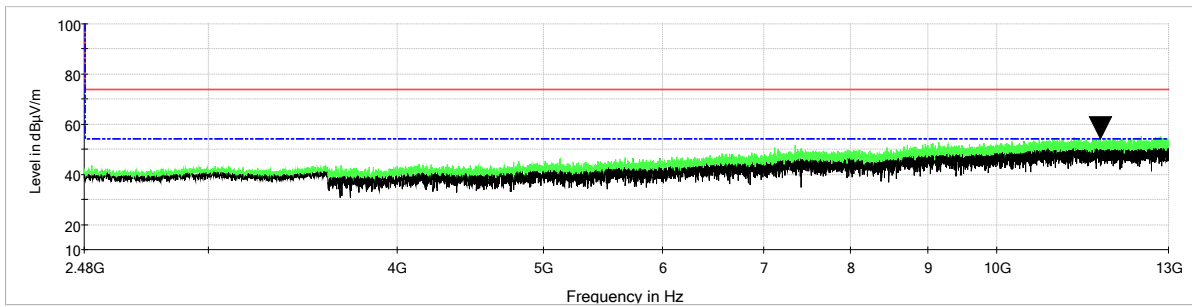




1Mb, Radiated Spurious Emissions: 2.48 GHz to 13 GHz - Vertical



1Mb, Radiated Spurious Emissions: 2.48 GHz to 13 GHz - Horizontal





1Mb, Radiated Spurious Emissions: 13 GHz to 18 GHz - Vertical

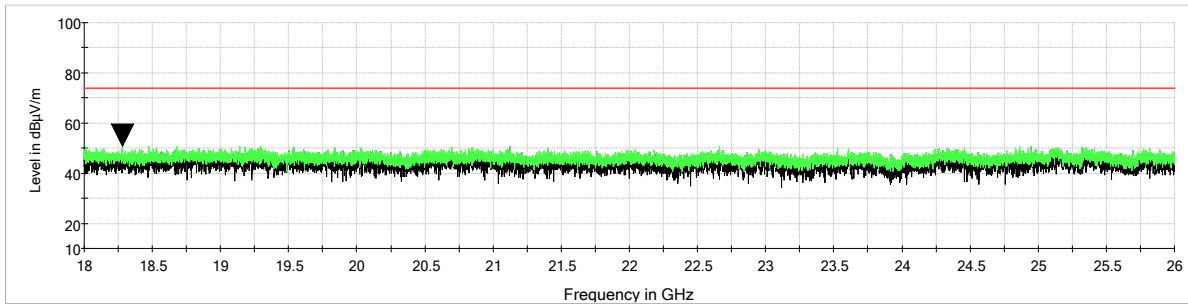


1Mb, Radiated Spurious Emissions: 13 GHz to 18 GHz - Horizontal

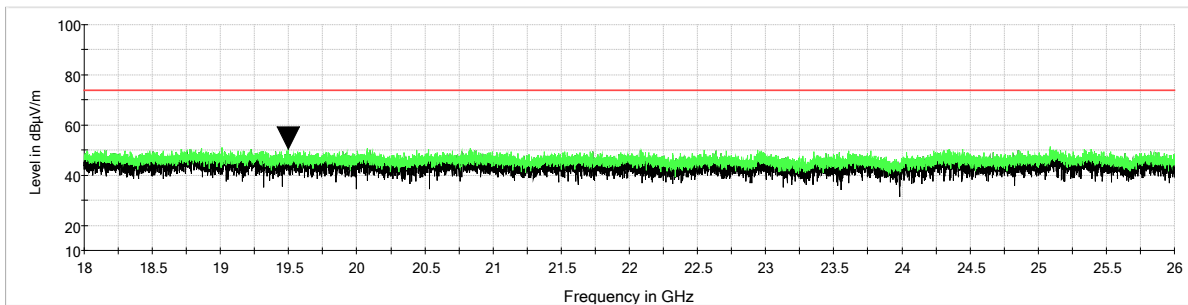




1Mb, Radiated Spurious Emissions: 18 GHz to 26 GHz - Vertical



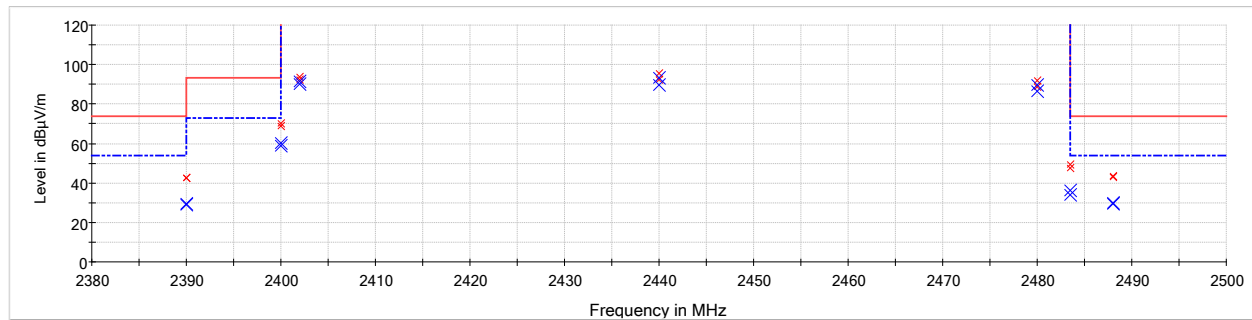
1Mb, Radiated Spurious Emissions: 18 GHz to 26 GHz - Horizontal





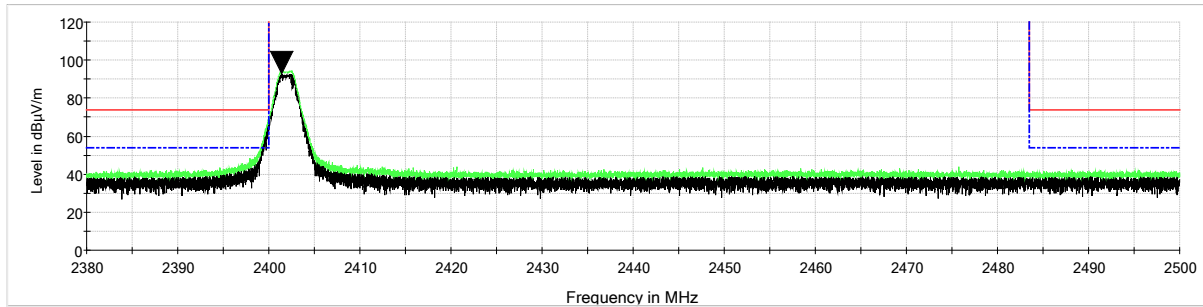
2Mb, Band Edge Measurements (All Channels)

Frequency MHz	MaxPeak dBμV/m	Average dBμV/m	Average mV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - AVG dB	Limit - AVG dBμV/m	Average mV/m
2390.000000	42.4	29.2	0.029	1000.000	180.0	H	195.0	4.0	43.9	73.1	4.519
2390.000000	42.7	29.2	0.029	1000.000	150.0	V	345.0	4.0	43.9	73.1	4.519
2400.000000	70.1	60.4	1.047	1000.000	150.0	V	345.0	4.1	12.7	73.1	4.519
2400.000000	68.7	58.8	0.871	1000.000	180.0	H	195.0	4.1	14.3	73.1	4.519
2402.000000	92.6	90.0	31.623	1000.000	180.0	H	195.0	4.1			
2402.000000	93.9	91.7	38.459	1000.000	150.0	V	345.0	4.1			
2440.000000	95.4	93.1	45.186	1000.000	180.0	V	355.0	4.4			
2440.000000	92.3	89.8	30.903	1000.000	180.0	H	30.0	4.4			
2480.000000	92.0	89.8	30.903	1000.000	160.0	V	5.0	4.4			
2480.000000	88.9	86.5	21.135	1000.000	150.0	H	125.0	4.4			
2483.500000	49.5	36.0	0.063	1000.000	160.0	V	5.0	4.4	18.0	54.0	0.501
2483.500000	47.5	34.1	0.051	1000.000	150.0	H	125.0	4.4	19.9	54.0	0.501
2488.000000	43.3	30.0	0.032	1000.000	160.0	V	5.0	4.4	24.0	54.0	0.501
2488.000000	42.9	29.6	0.030	1000.000	150.0	H	125.0	4.4	24.4	54.0	0.501

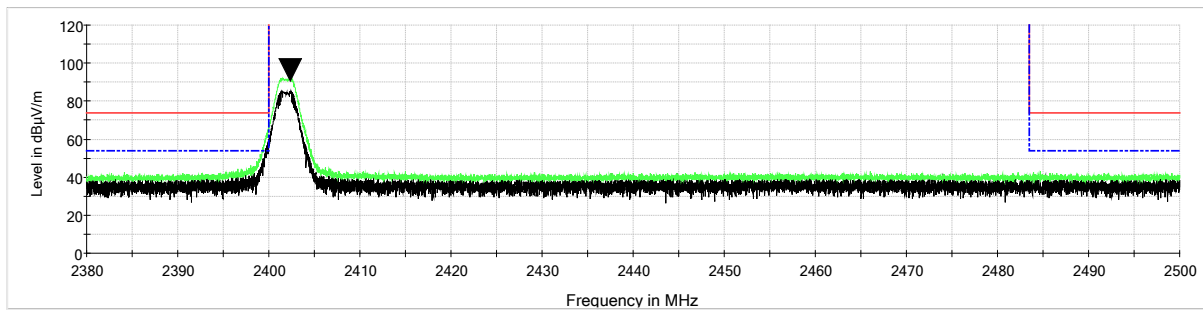




2 Mb, Low Channel: Band Edge – Vertical

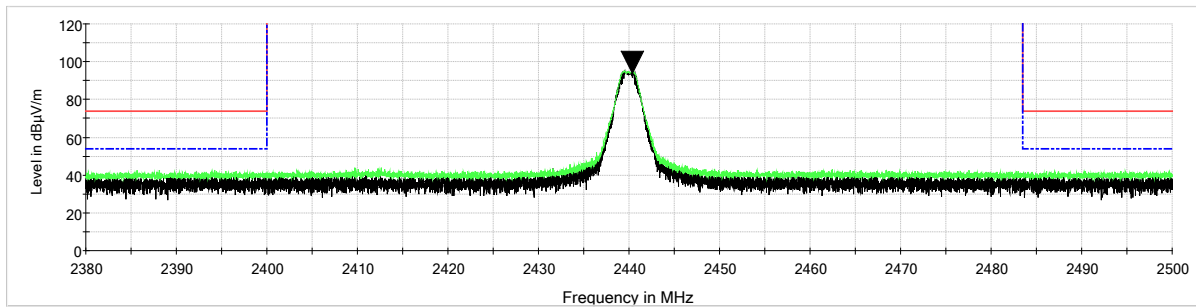


2 Mb, Low Channel: Band Edge – Horizontal

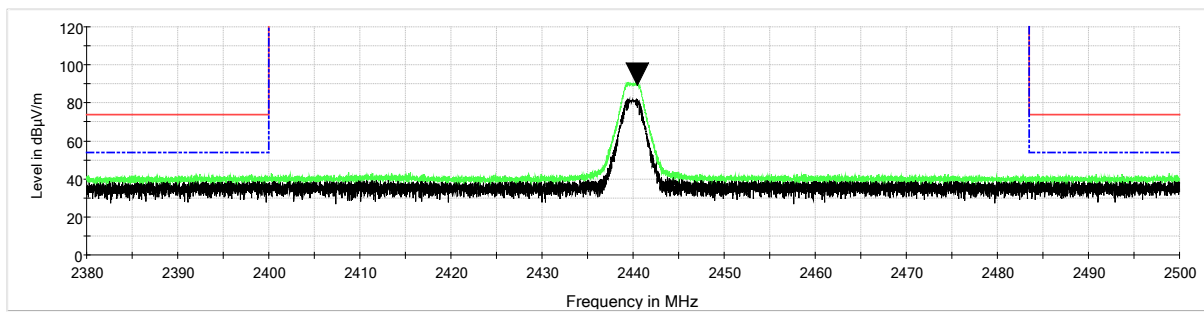




2 Mb, Mid Channel: Band Edge – Vertical

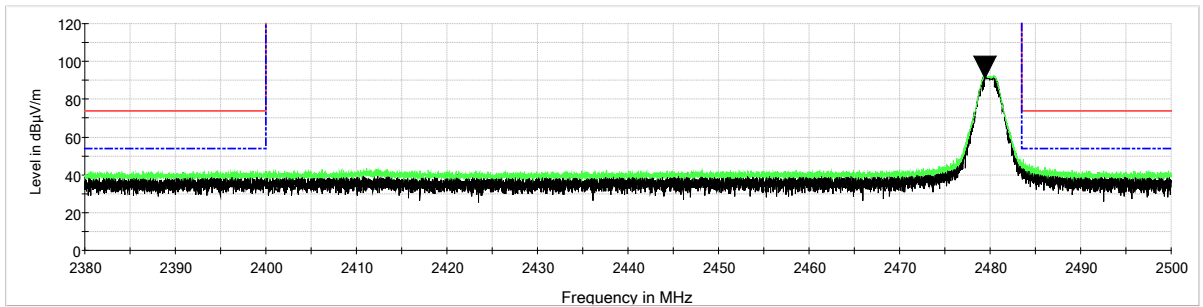


2 Mb, Mid Channel: Band Edge – Horizontal

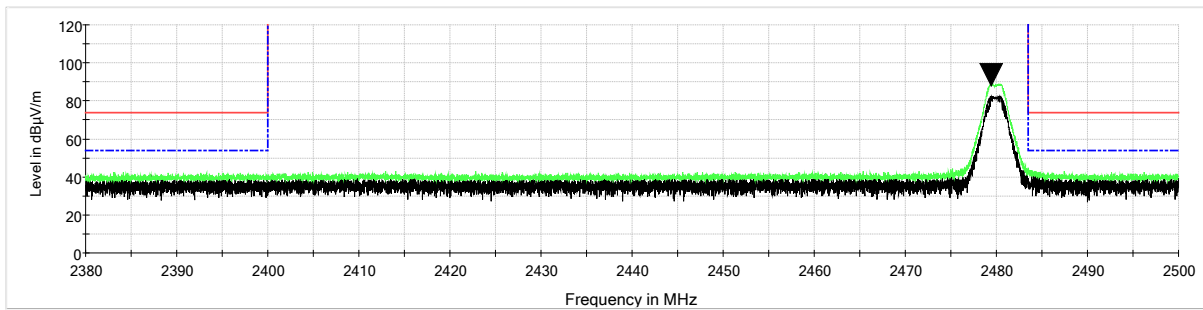


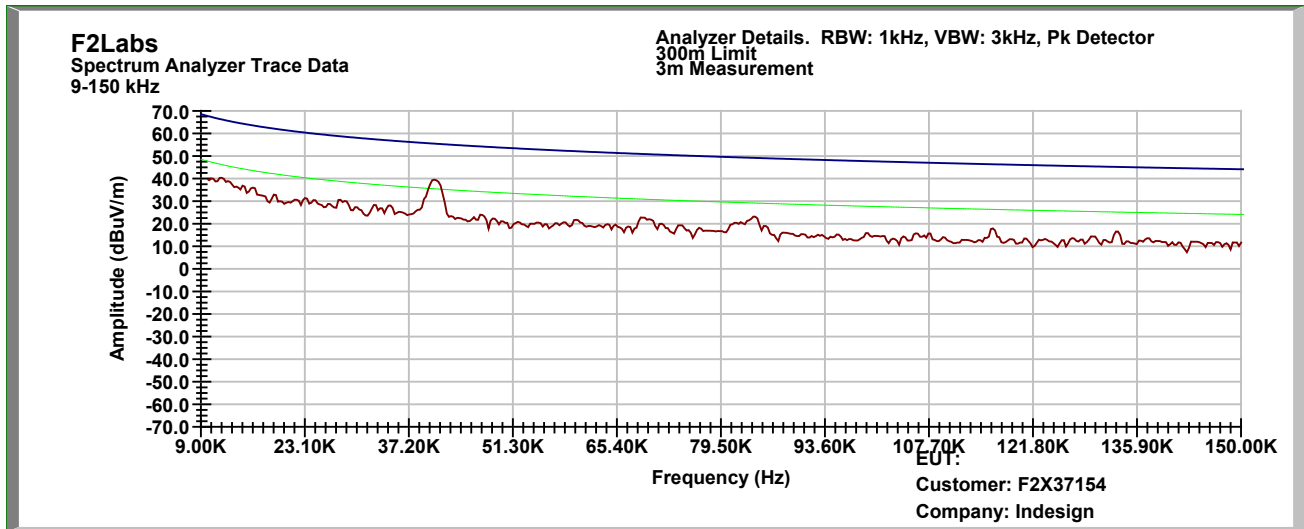
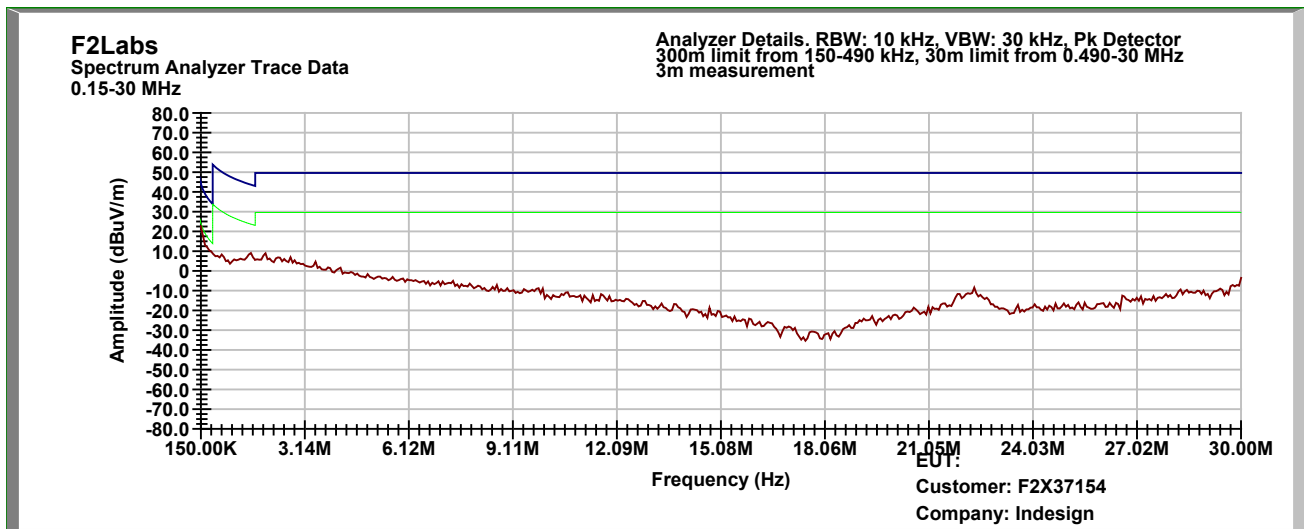


2 Mb, High Channel: Band Edge – Vertical



2 Mb, High Channel: Band Edge – Horizontal



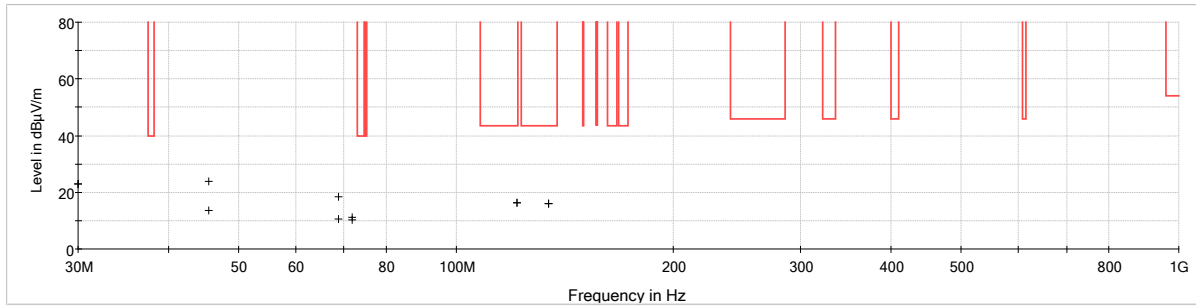
**2Mb, Radiated Spurious Emissions: 0.009 MHz to 0.15 MHz****2Mb, Radiated Spurious Emissions: 0.15 MHz to 30 MHz**

Note: Plots display 3m measurements with 30m and 300m limits. Measurement to be extrapolated by subtracting 40dB per decade. Peak trace below AVG/QP limit.



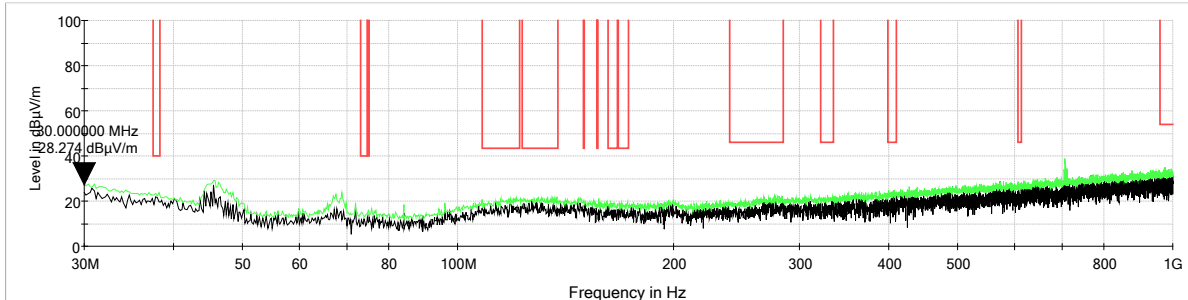
Measurements: 30 MHz to 1000 MHz

Frequency MHz	QuasiPeak dBuV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - QPK dB	Limit - QPK dBuV/m
30.000000	22.9	120.000	100.0	V	0.0	-19.0	17.1	40.0
30.000000	22.8	120.000	150.0	H	355.0	-19.0	17.2	40.0
45.520000	13.6	120.000	150.0	H	4.0	-30.1	26.4	40.0
45.520000	23.9	120.000	100.0	V	355.0	-30.1	16.1	40.0
68.800000	10.7	120.000	150.0	H	352.0	-31.6	29.3	40.0
68.800000	18.3	120.000	100.0	V	0.0	-31.6	21.7	40.0
71.904000	10.3	120.000	150.0	H	0.0	-31.5	29.7	40.0
71.904000	11.1	120.000	100.0	V	0.0	-31.5	28.9	40.0
121.568000	16.4	120.000	100.0	V	5.0	-25.6	27.1	43.5
121.568000	16.4	120.000	150.0	H	358.0	-25.6	27.1	43.5
134.178000	16.0	120.000	150.0	H	2.0	-25.8	27.5	43.5
134.178000	16.0	120.000	100.0	V	0.0	-25.8	27.5	43.5

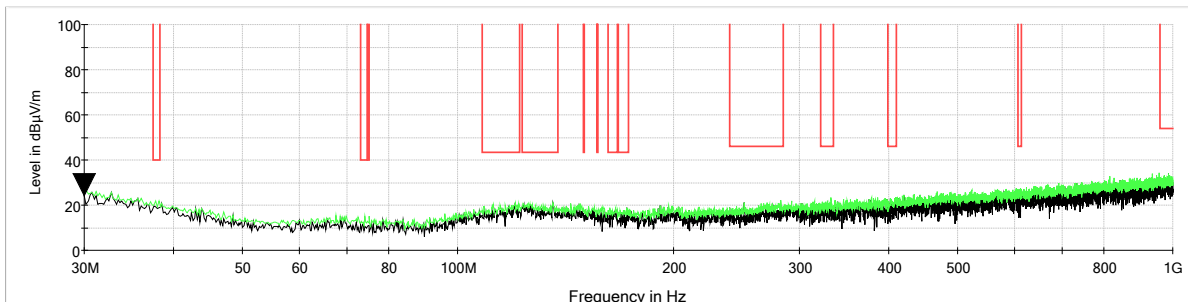




2Mb, Radiated Spurious Emissions: 30 MHz to 1000 MHz - Vertical



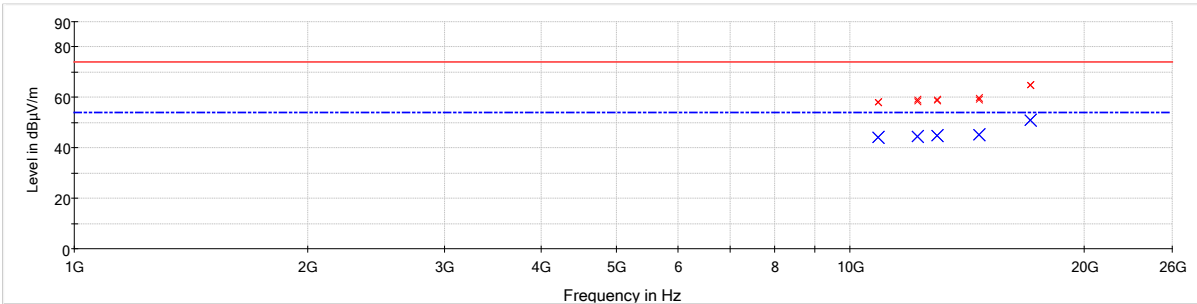
2Mb, Radiated Spurious Emissions: 30 MHz to 1000 MHz - Horizontal





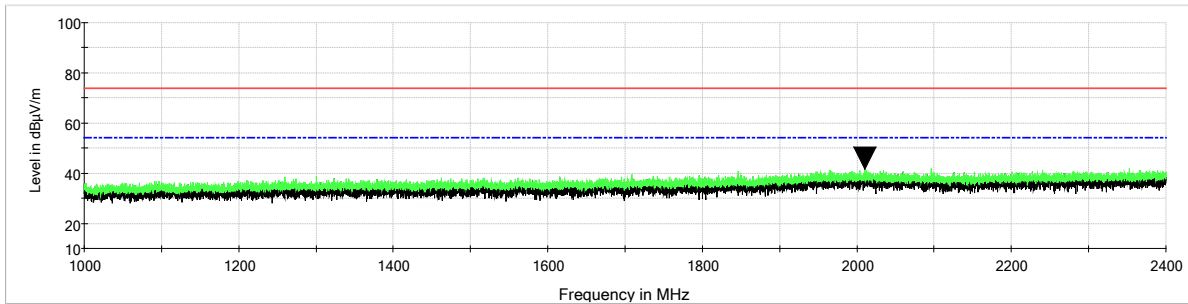
2Mb, Measurements: Greater Than 1 GHz

Frequency MHz	MaxPeak dBμV/m	Average dBμV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - AVG dB	Limit - AVG dBμV/m
10852.868000	57.9	44.1	1000.000	150.0	V	0.0	17.0	9.9	54.0
10852.868000	58.1	44.1	1000.000	150.0	H	347.0	17.0	9.9	54.0
12200.000000	58.4	44.6	1000.000	150.0	H	0.0	17.0	9.4	54.0
12200.000000	59.0	44.6	1000.000	150.0	V	357.0	17.0	9.4	54.0
12937.932000	58.9	44.9	1000.000	150.0	H	0.0	17.4	9.1	54.0
12937.932000	58.7	44.9	1000.000	150.0	V	358.0	17.4	9.1	54.0
14640.000000	59.8	45.2	1000.000	150.0	H	0.0	17.8	8.8	54.0
14640.000000	59.2	45.3	1000.000	150.0	V	2.0	17.8	8.7	54.0
17080.000000	64.9	51.1	1000.000	150.0	H	1.0	23.5	2.9	54.0
17080.000000	64.8	51.1	1000.000	150.0	V	351.0	23.5	2.9	54.0

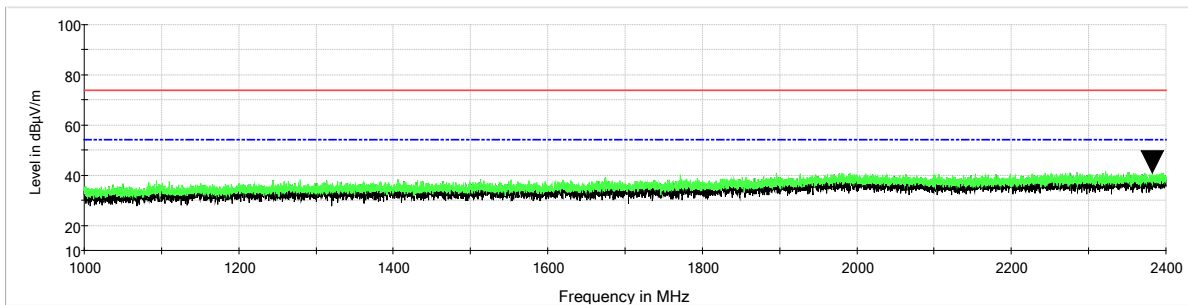




2Mb, Radiated Spurious Emissions: 1 GHz to 2.4 GHz - Vertical

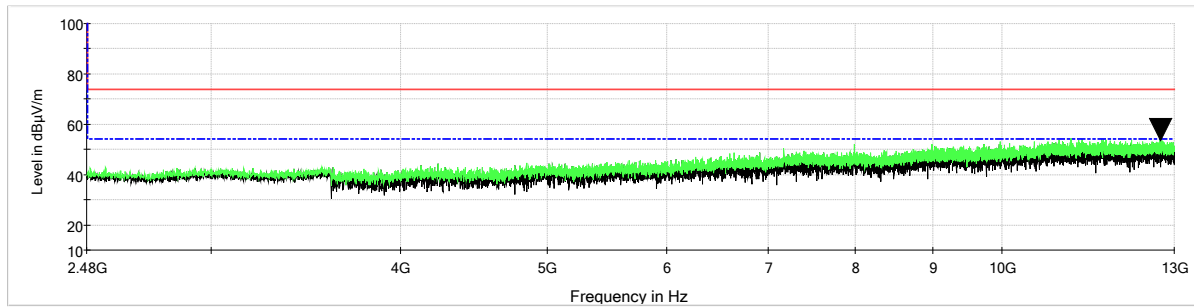


2Mb, Radiated Spurious Emissions: 1 GHz to 2.4 GHz - Horizontal

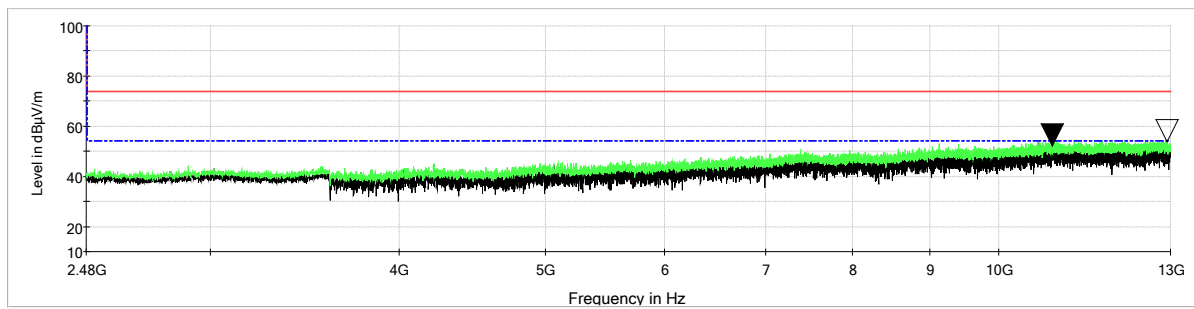




2Mb, Radiated Spurious Emissions: 2.48 GHz to 13 GHz - Vertical

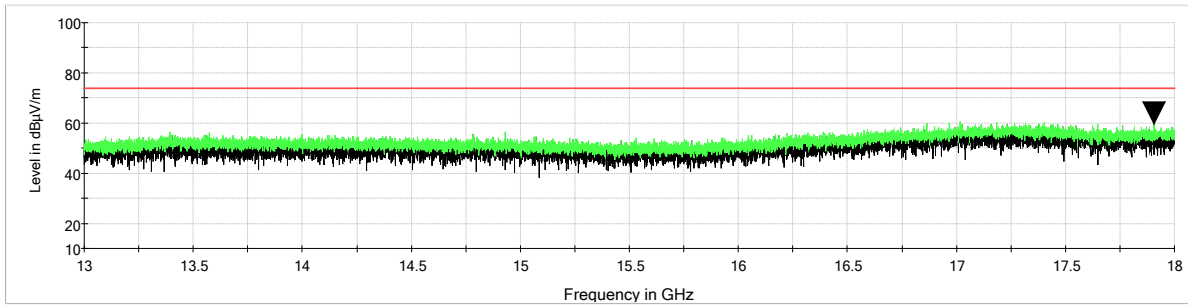


2Mb, Radiated Spurious Emissions: 2.48 GHz to 13 GHz - Horizontal

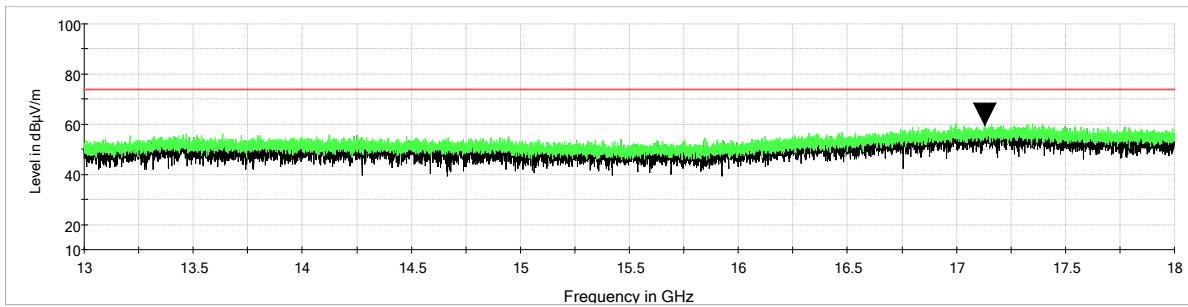




2Mb, Radiated Spurious Emissions: 13 GHz to 18 GHz - Vertical

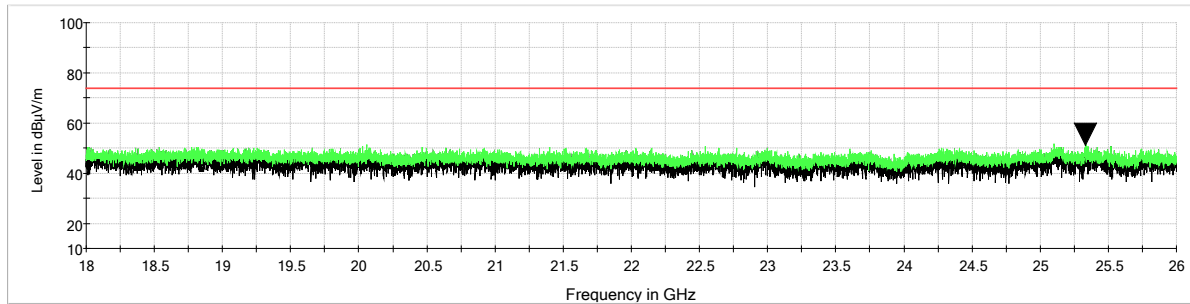


2Mb, Radiated Spurious Emissions: 13 GHz to 18 GHz - Horizontal

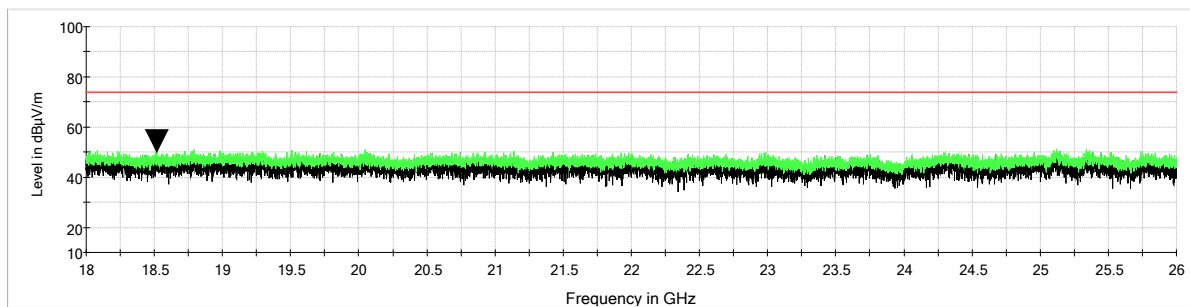




2Mb, Radiated Spurious Emissions: 18 GHz to 26 GHz - Vertical



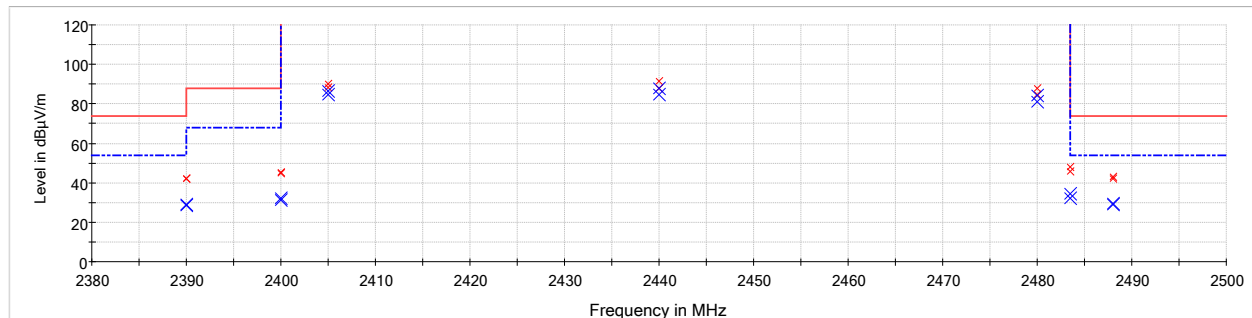
2Mb, Radiated Spurious Emissions: 18 GHz to 26 GHz - Horizontal





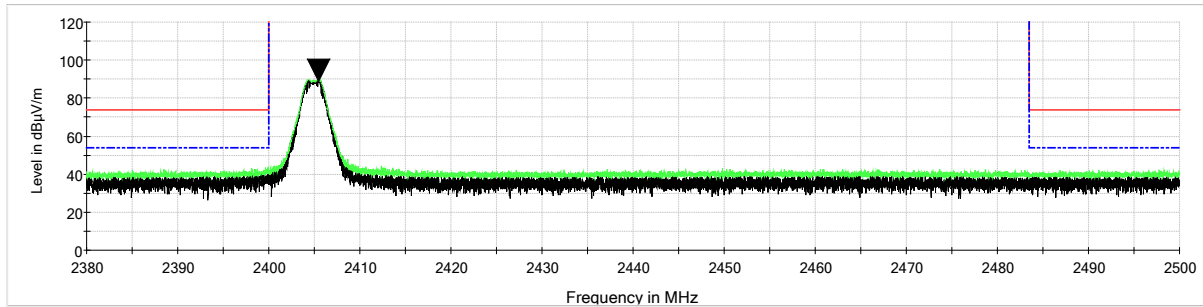
Thread, Band Edge Measurements (All Channels)

Frequency MHz	MaxPeak dBμV/m	Average dBμV/m	Average mV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - AVG dB	Limit - AVG dBμV/m	Average mV/m
2390.000000	42.0	28.7	0.027	1000.000	140.0	H	195.0	4.0	39.3	68.0	2.512
2390.000000	42.2	28.8	0.028	1000.000	180.0	V	350.0	4.0	39.2	68.0	2.512
2400.000000	45.4	32.2	0.041	1000.000	180.0	V	350.0	4.1	35.8	68.0	2.512
2400.000000	44.7	31.3	0.037	1000.000	140.0	H	190.0	4.1	36.7	68.0	2.512
2405.000000	88.1	84.7	17.179	1000.000	140.0	H	190.0	4.1			
2405.000000	90.1	86.6	21.380	1000.000	180.0	V	350.0	4.1			
2440.000000	91.3	88.0	25.119	1000.000	180.0	V	0.0	4.4			
2440.000000	88.0	84.7	17.179	1000.000	180.0	H	30.0	4.4			
2480.000000	87.6	84.4	16.596	1000.000	150.0	V	5.0	4.4			
2480.000000	84.5	81.1	11.350	1000.000	150.0	H	130.0	4.4			
2483.500000	48.0	34.3	0.052	1000.000	150.0	V	5.0	4.4	19.7	54.0	0.501
2483.500000	45.9	32.0	0.040	1000.000	150.0	H	130.0	4.4	22.0	54.0	0.501
2488.000000	43.0	29.5	0.030	1000.000	150.0	V	5.0	4.4	24.5	54.0	0.501
2488.000000	42.3	29.1	0.029	1000.000	150.0	H	130.0	4.4	24.9	54.0	0.501

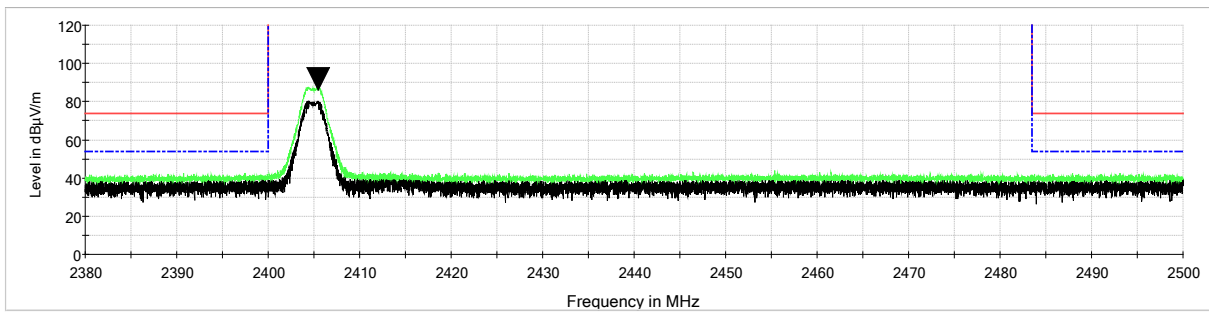




Thread, Low Channel: Band Edge – Vertical

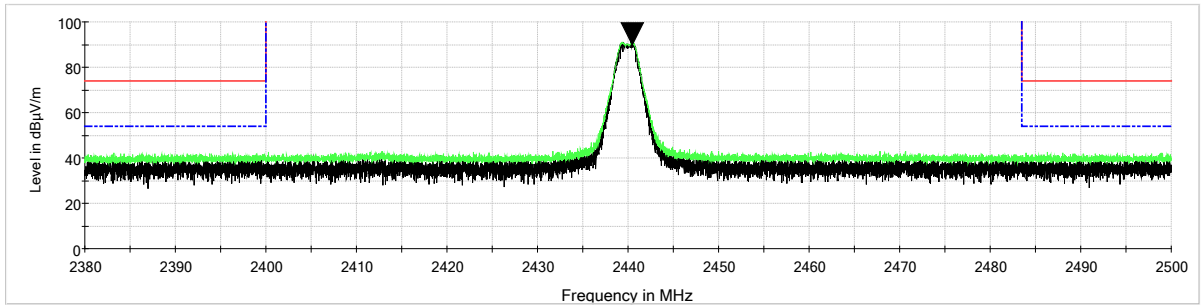


Thread, Low Channel: Band Edge – Horizontal

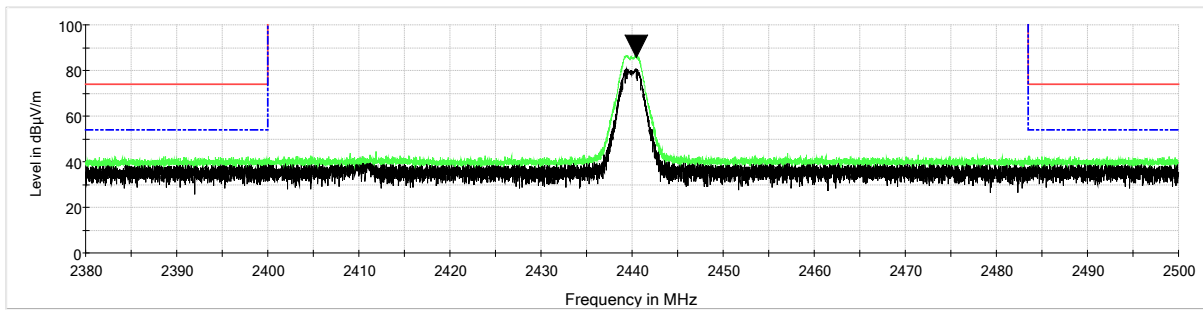




Thread, Mid Channel: Band Edge – Vertical

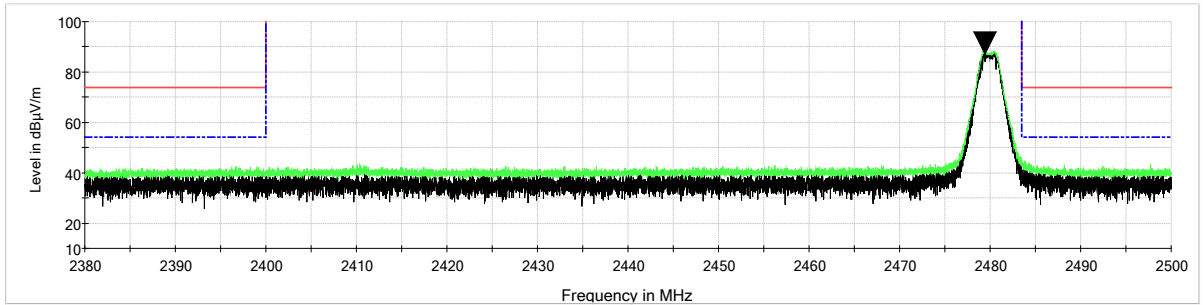


Thread, Mid Channel: Band Edge – Horizontal

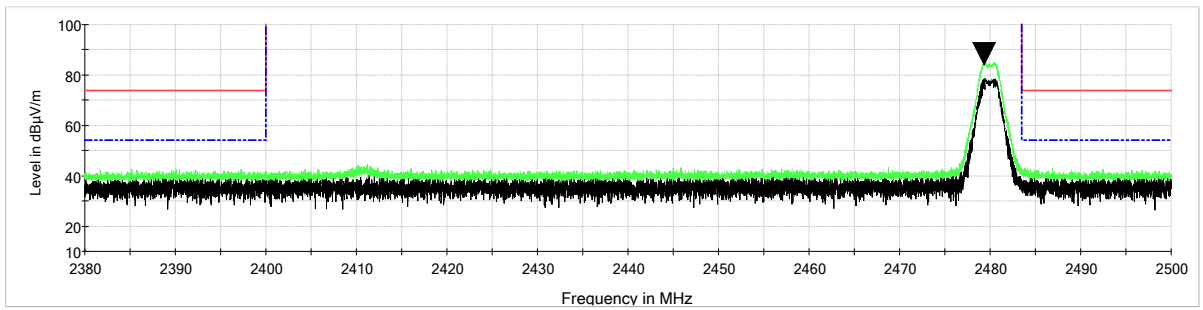


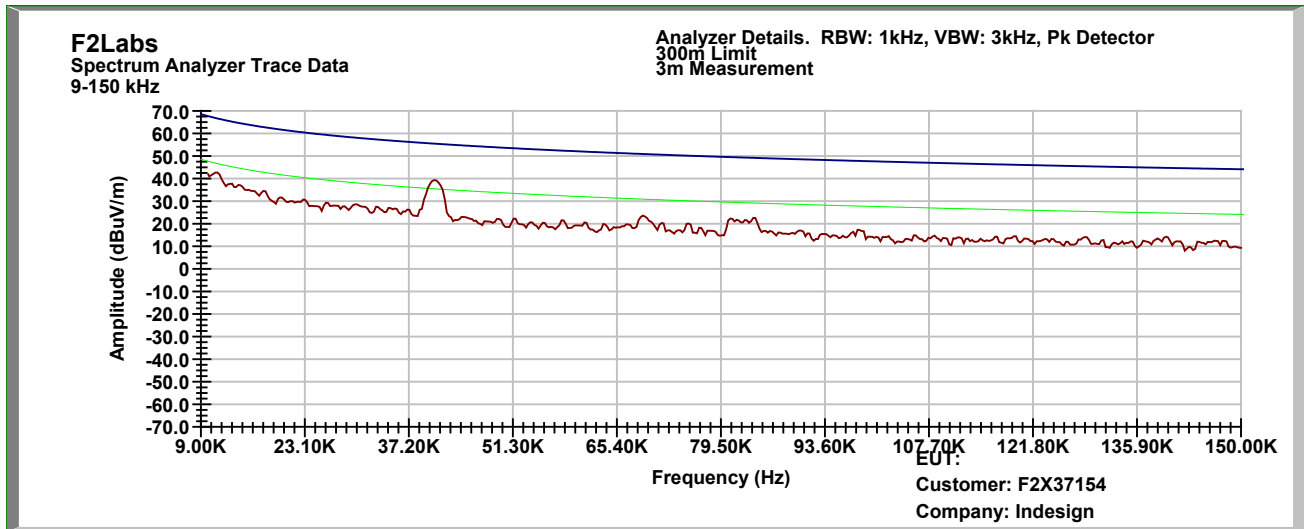
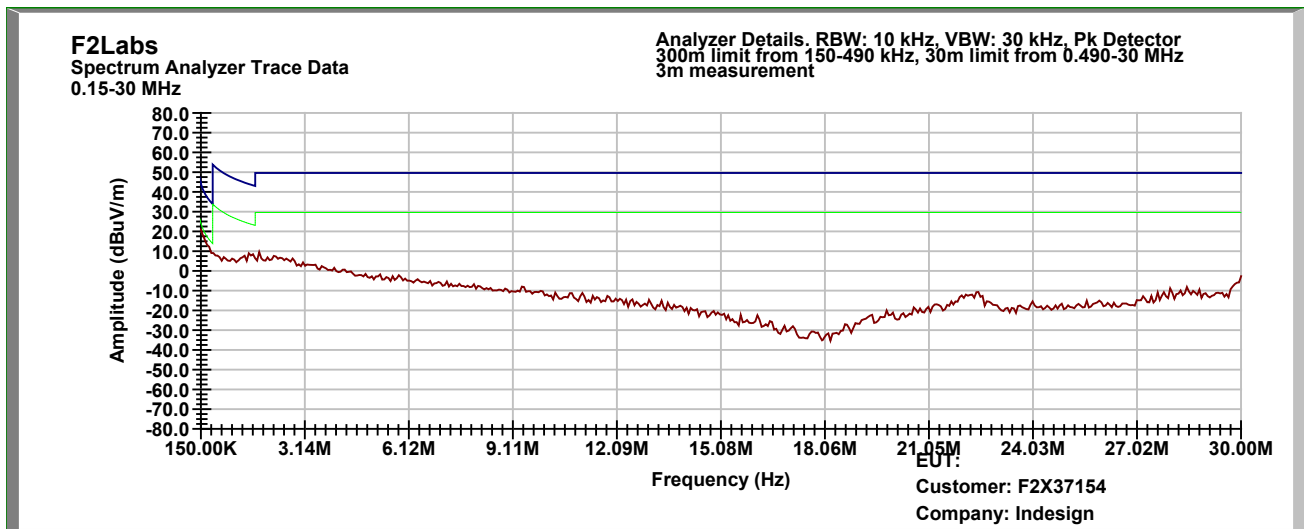


Thread, High Channel: Band Edge – Vertical



Thread, High Channel: Band Edge – Horizontal



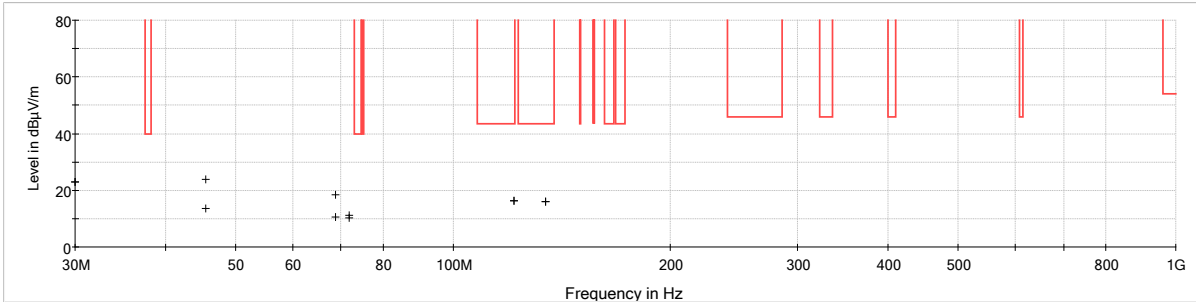
**Thread, Radiated Spurious Emissions: 0.009 MHz to 0.15 MHz****Thread, Radiated Spurious Emissions: 0.15 MHz to 30 MHz**

Note: Plots display 3m measurements with 30m and 300m limits. Measurement to be extrapolated by subtracting 40dB per decade. Peak trace below AVG/QP limit.



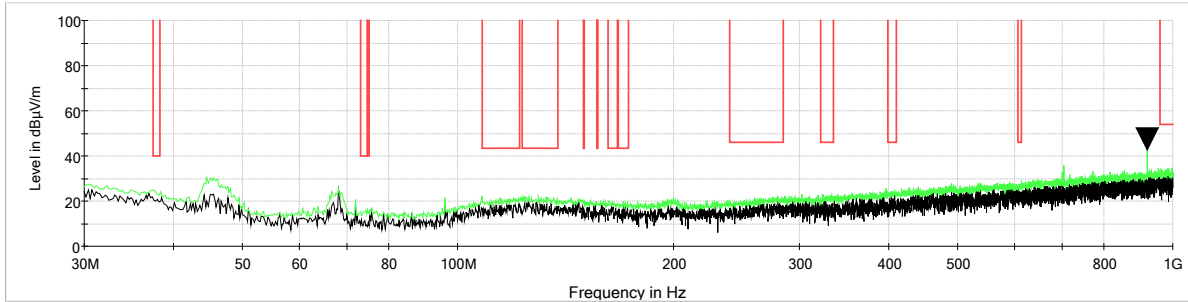
Measurements: 30 MHz to 1000 MHz

Frequency MHz	QuasiPeak dBμV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - QPK dB	Limit - QPK dBμV/m
30.000000	22.9	120.000	100.0	V	0.0	-19.0	17.1	40.0
30.000000	22.8	120.000	150.0	H	355.0	-19.0	17.2	40.0
45.520000	13.6	120.000	150.0	H	4.0	-30.1	26.4	40.0
45.520000	23.9	120.000	100.0	V	355.0	-30.1	16.1	40.0
68.800000	10.7	120.000	150.0	H	352.0	-31.6	29.3	40.0
68.800000	18.3	120.000	100.0	V	0.0	-31.6	21.7	40.0
71.904000	10.3	120.000	150.0	H	0.0	-31.5	29.7	40.0
71.904000	11.1	120.000	100.0	V	0.0	-31.5	28.9	40.0
121.568000	16.4	120.000	100.0	V	5.0	-25.6	27.1	43.5
121.568000	16.4	120.000	150.0	H	358.0	-25.6	27.1	43.5
134.178000	16.0	120.000	150.0	H	2.0	-25.8	27.5	43.5
134.178000	16.0	120.000	100.0	V	0.0	-25.8	27.5	43.5

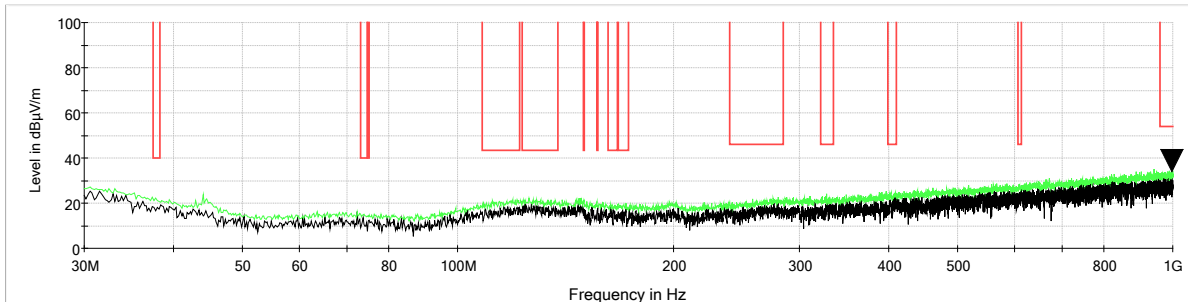




Thread, Radiated Spurious Emissions: 30 MHz to 1000 MHz - Vertical



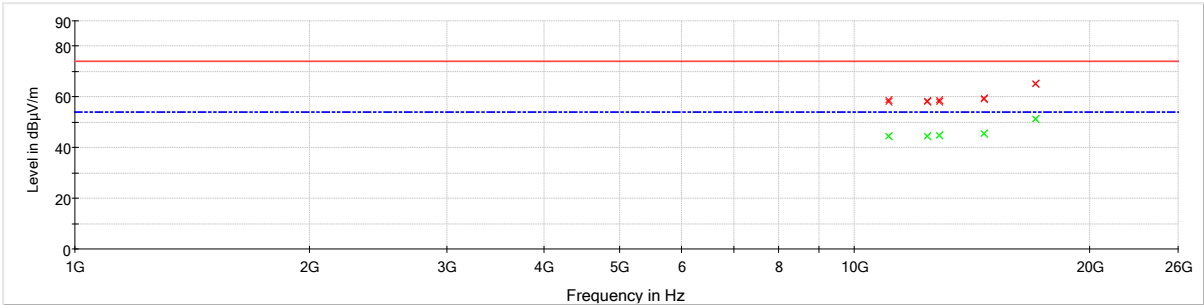
Thread, Radiated Spurious Emissions: 30 MHz to 1000 MHz - Horizontal





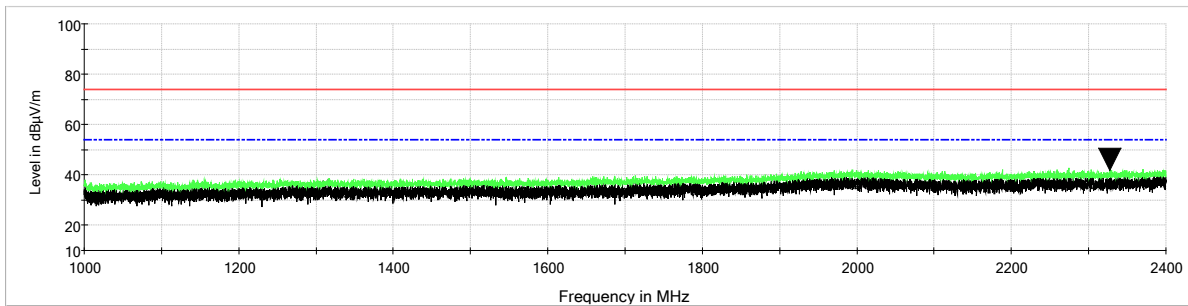
Thread, Measurements: Greater Than 1 GHz

Frequency MHz	MaxPeak dBµV/m	Average dBµV/m	Bandwidth kHz	Height cm	Pol.	Azimuth deg	Corr. dB	Margin - AVG dB	Limit - AVG dBµV/m
11065.372000	58.8	44.4	1000.000	150.0	H	0.0	17.1	9.6	54.0
11065.372000	58.2	44.4	1000.000	150.0	V	356.0	17.1	9.6	54.0
12400.000000	58.1	44.5	1000.000	150.0	H	0.0	17.1	9.5	54.0
12400.000000	58.6	44.6	1000.000	150.0	V	6.0	17.1	9.4	54.0
12829.576000	58.9	44.8	1000.000	150.0	V	0.0	17.4	9.2	54.0
12829.576000	58.2	44.9	1000.000	150.0	H	1.0	17.4	9.1	54.0
14640.000000	59.1	45.4	1000.000	150.0	H	6.0	17.8	8.6	54.0
14640.000000	59.4	45.4	1000.000	150.0	V	0.0	17.8	8.6	54.0
17080.000000	65.4	51.2	1000.000	150.0	H	0.0	23.5	2.8	54.0
17080.000000	65.2	51.2	1000.000	150.0	V	0.0	23.5	2.8	54.0

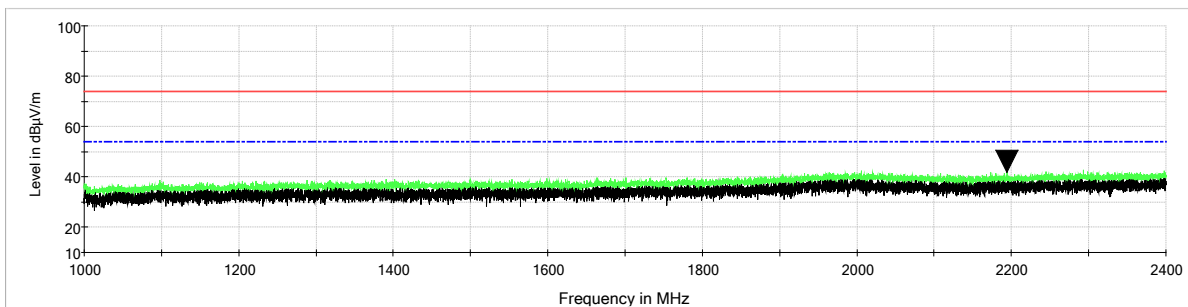




Thread, Radiated Spurious Emissions: 1 GHz to 2.4 GHz - Vertical

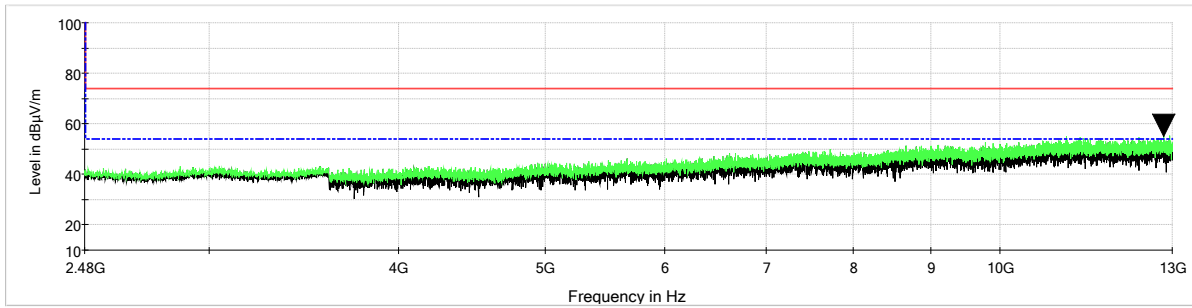


Thread, Radiated Spurious Emissions: 1 GHz to 2.4 GHz - Horizontal

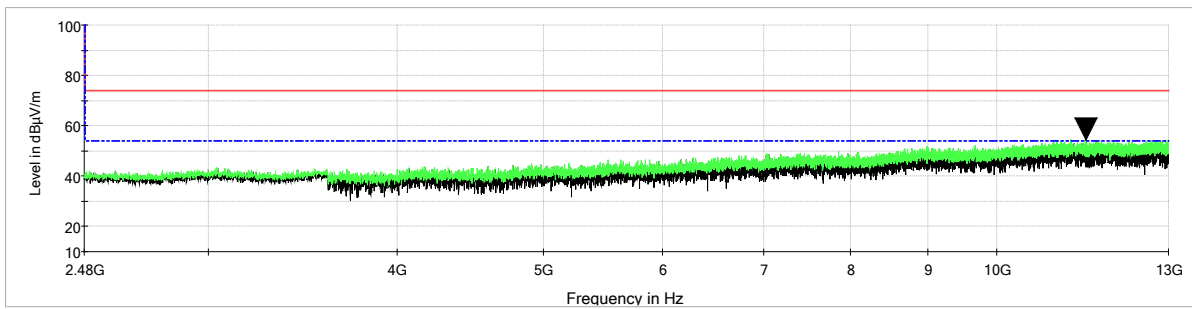




Thread, Radiated Spurious Emissions: 2.48 GHz to 13 GHz - Vertical

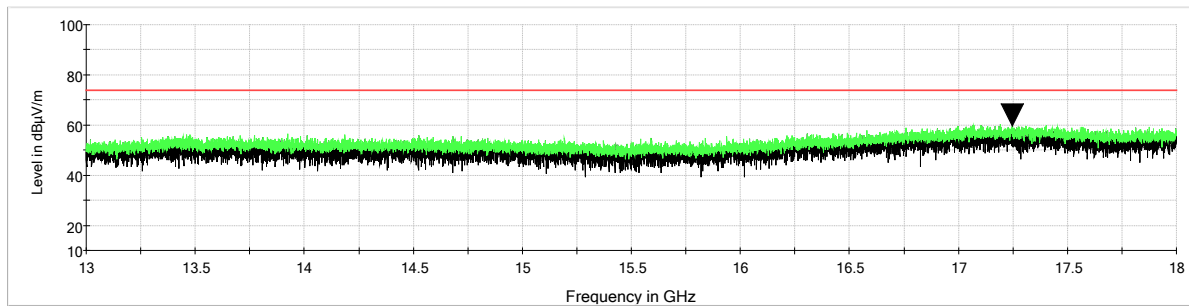


Thread, Radiated Spurious Emissions: 2.48 GHz to 13 GHz - Horizontal





Thread, Radiated Spurious Emissions: 13 GHz to 18 GHz - Vertical

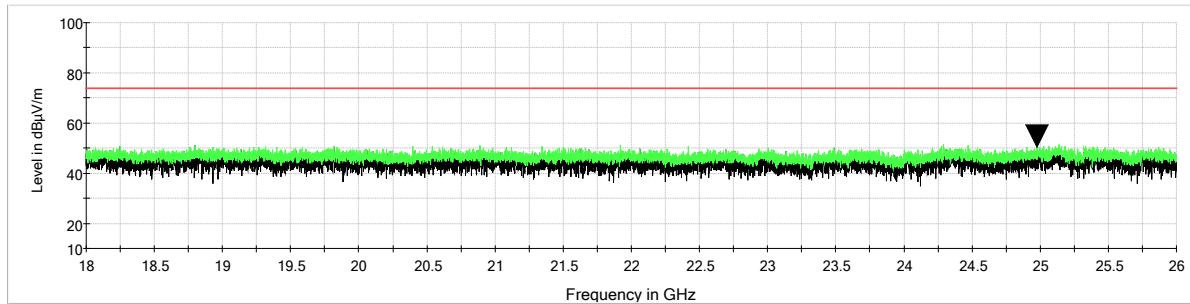


Thread, Radiated Spurious Emissions: 13 GHz to 18 GHz - Horizontal

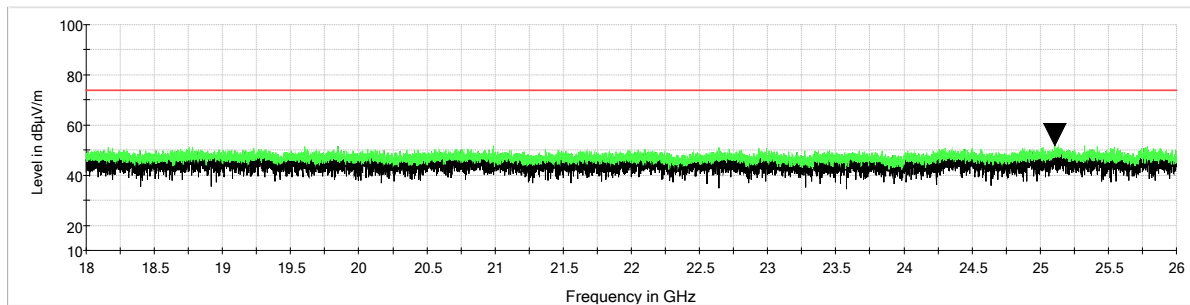




Thread, Radiated Spurious Emissions: 18 GHz to 26 GHz - Vertical



Thread, Radiated Spurious Emissions: 18 GHz to 26 GHz - Horizontal





11 PEAK POWER SPECTRAL DENSITY (PSD)

Peak power spectral density measurements were performed.

11.1 Requirements:

The peak power spectral density shall not exceed +8dBm in any 3 kHz band during any time interval of continuous transmission.

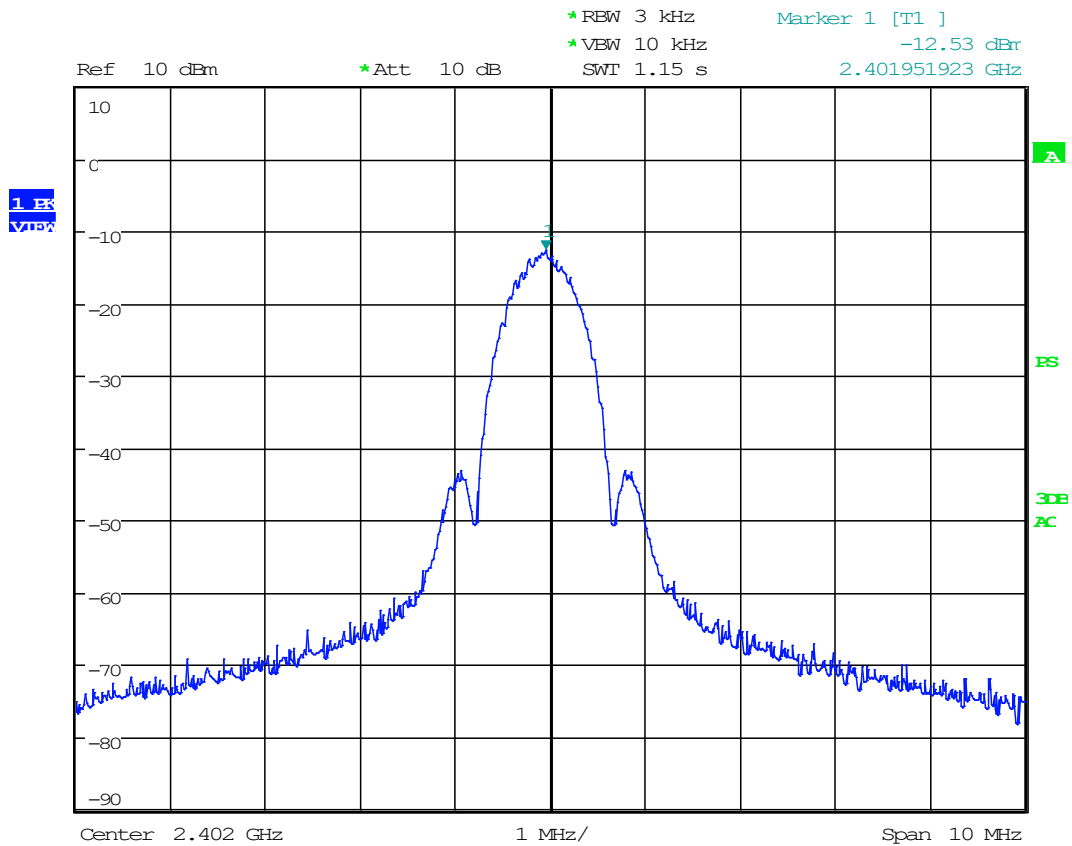
Power spectral density measurements were performed at a resolution bandwidth of 3 kHz (video bandwidth set at 10 KHz). The peak spectral densities were measured at the low, mid, and upper channels.



11.2 Peak Power Spectral Density Test Data

Test Date(s):	2026-05-28	Test Engineer:	E. Tobin
Standards:	CFR 47 Part 15.247(e); KDB558074	Air Temperature:	20.3°C
		Relative Humidity:	39%

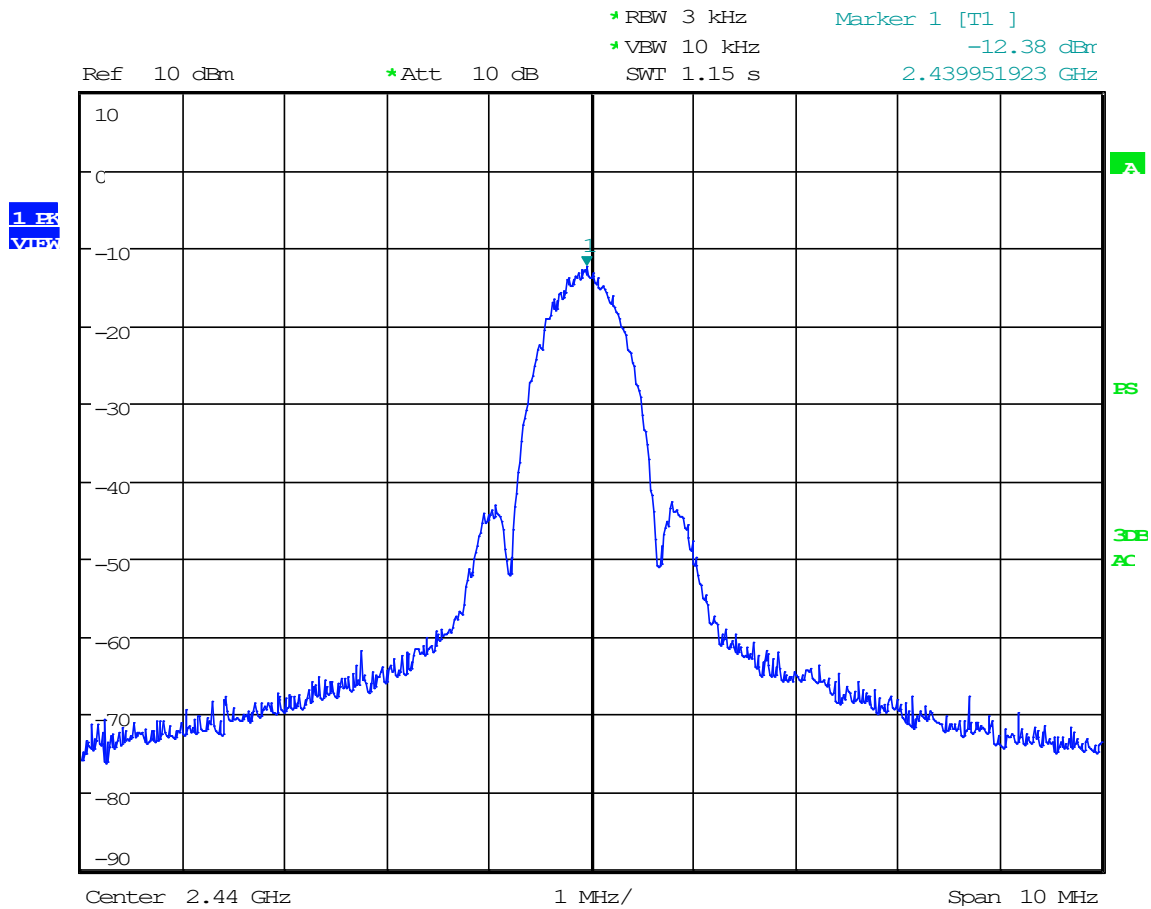
1Mb: Low Channel



Date: 28.MAY.2026 12:30:27



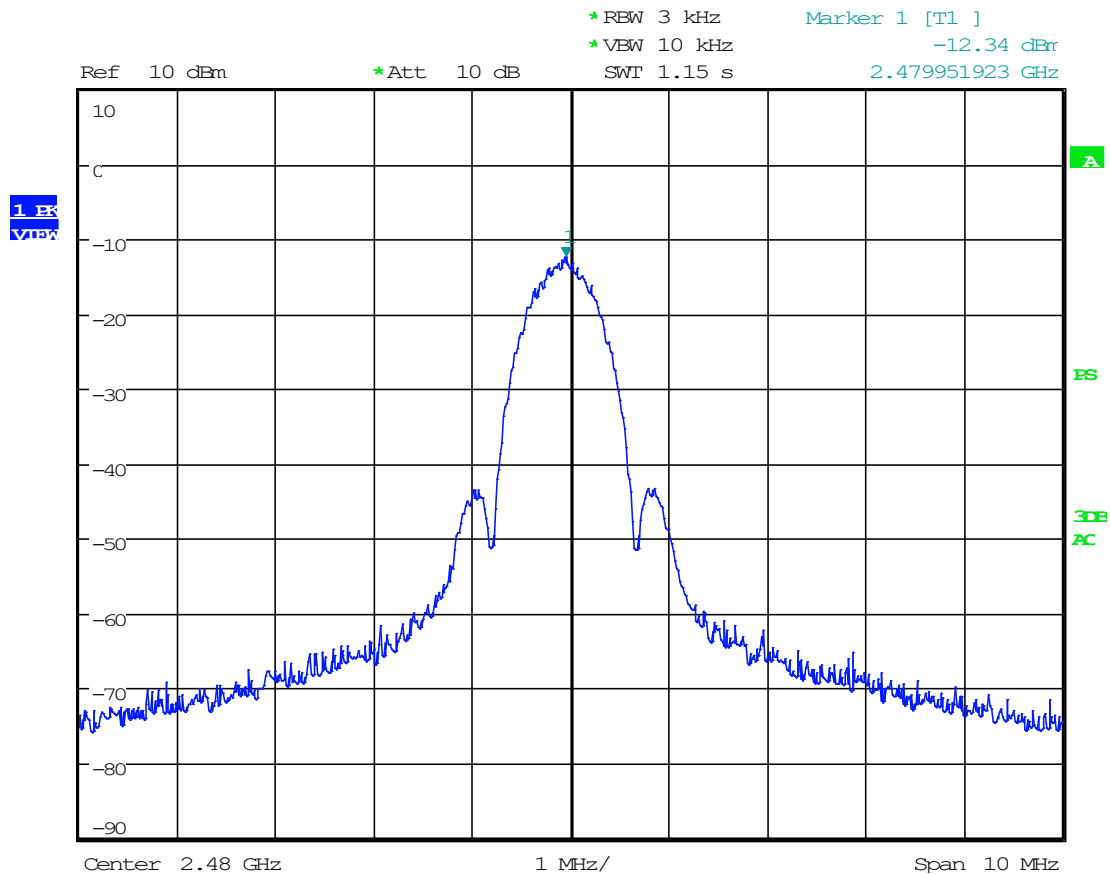
1Mb: Mid Channel



Date: 28.MAY.2026 12:31:17



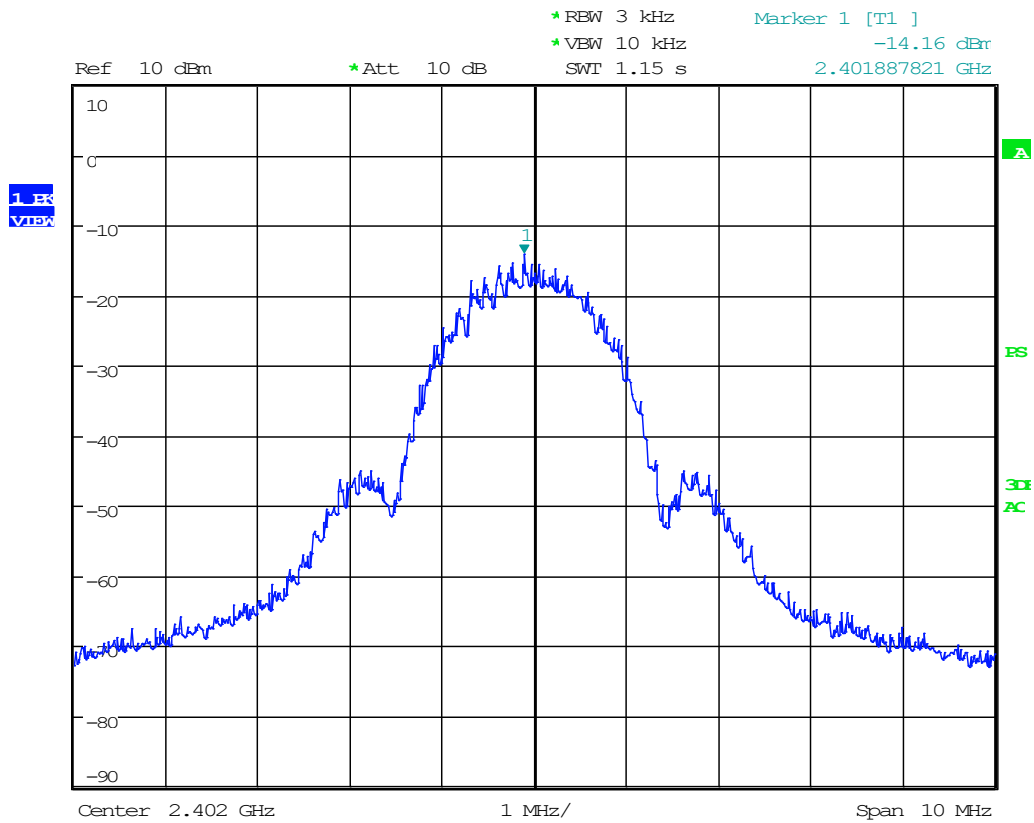
1Mb: High Channel



Date: 28.MAY.2026 12:32:21



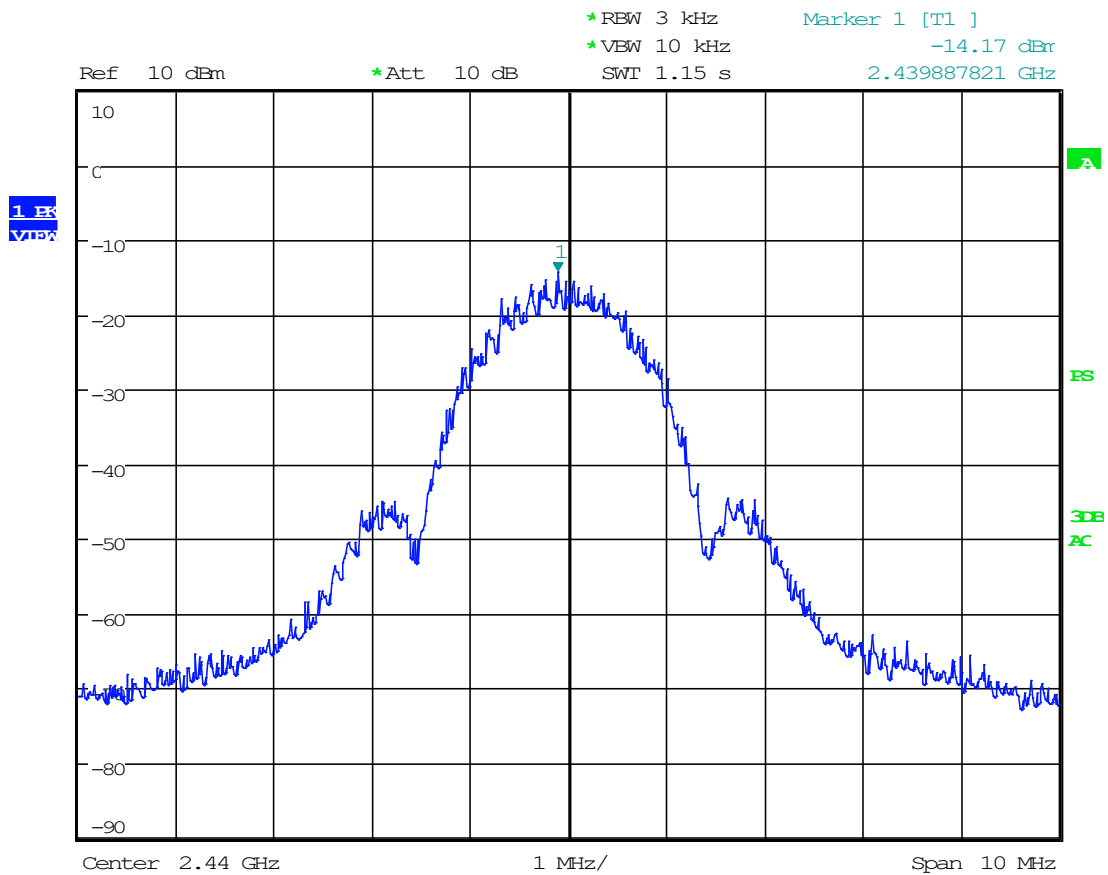
2Mb: Low Channel



Date: 28.MAY.2026 12:34:27



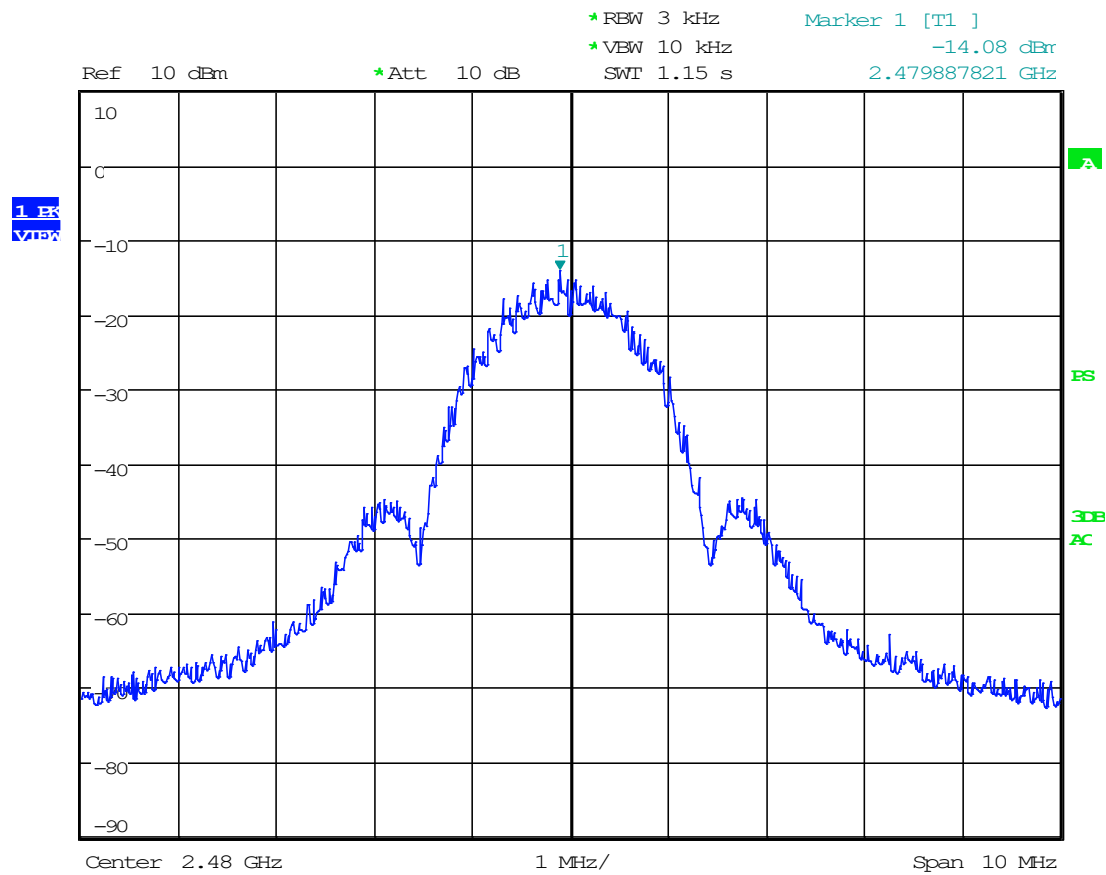
2Mb: Mid Channel



Date: 28.MAY.2026 12:35:43



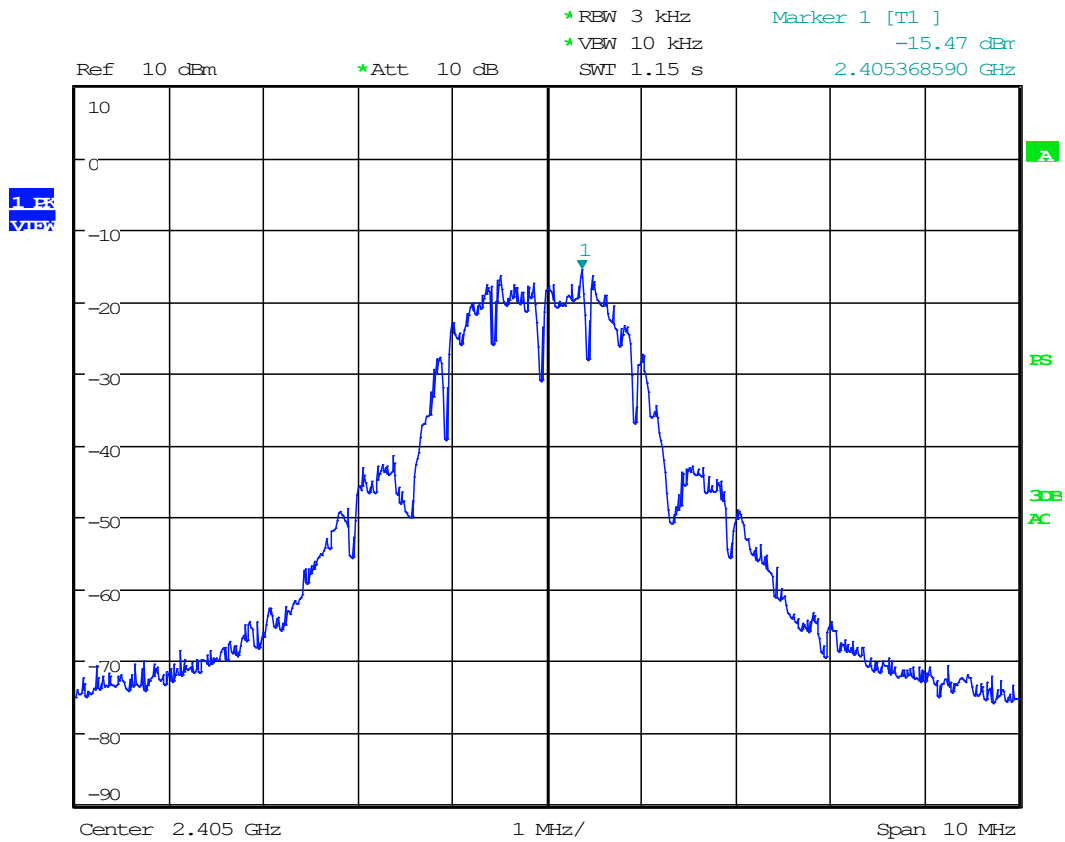
2Mb: High Channel



Date: 28.MAY.2026 12:36:41



Thread: Low Channel



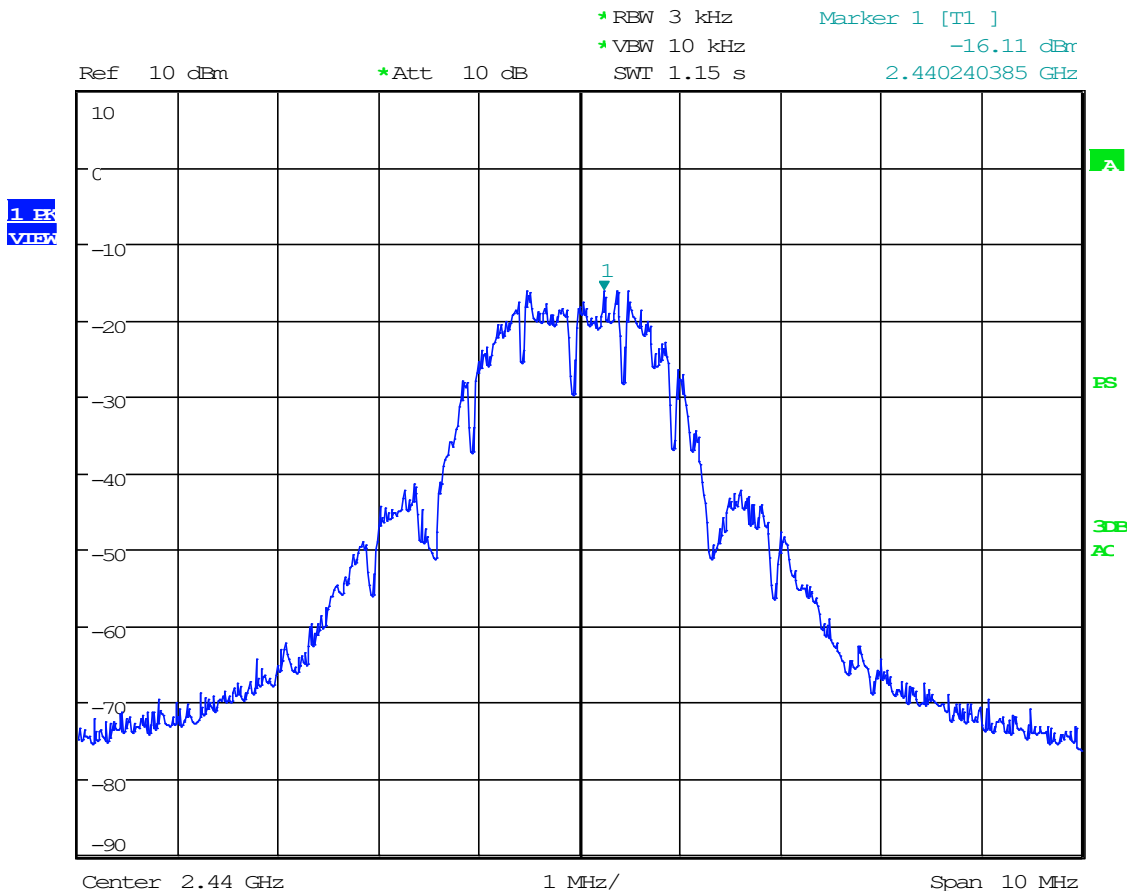
Date: 28.MAY.2026 12:39:07



Order No(s): F2X37154

Applicant: Global Link Distribution Corp.
Model(s): G3

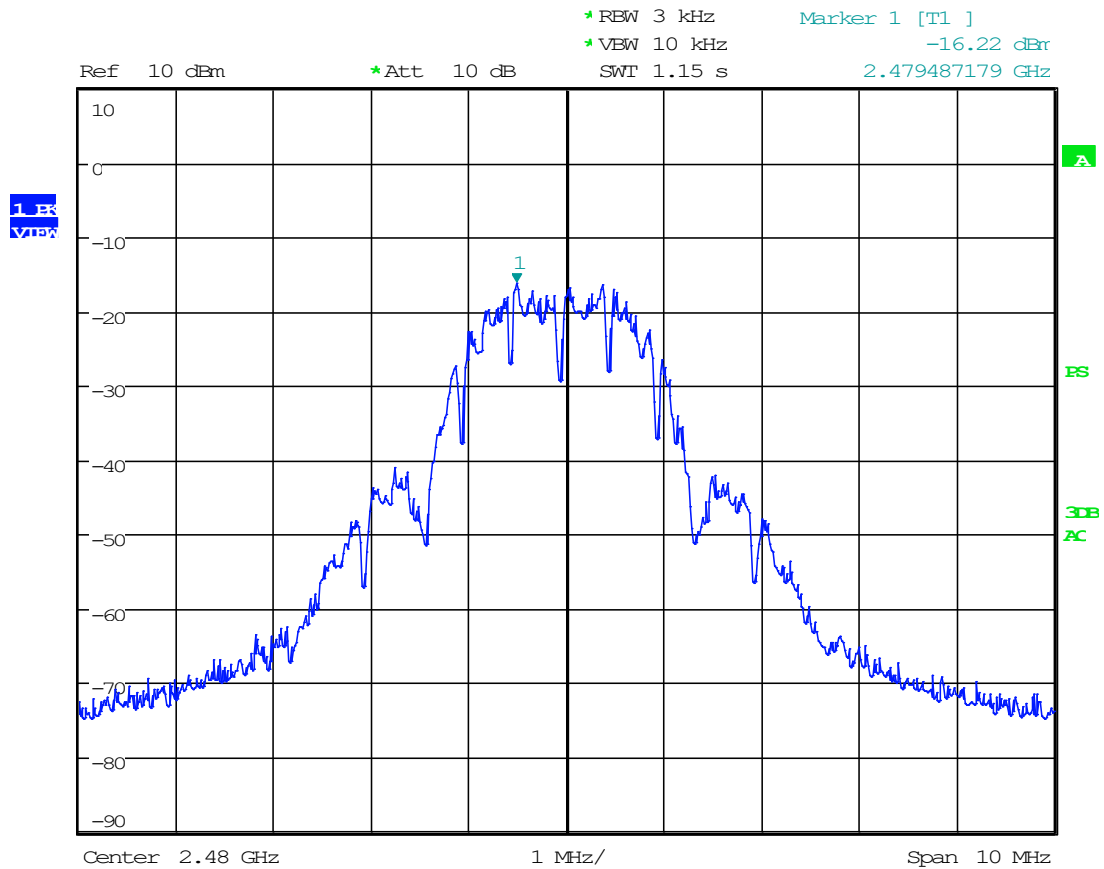
Thread: Mid Channel



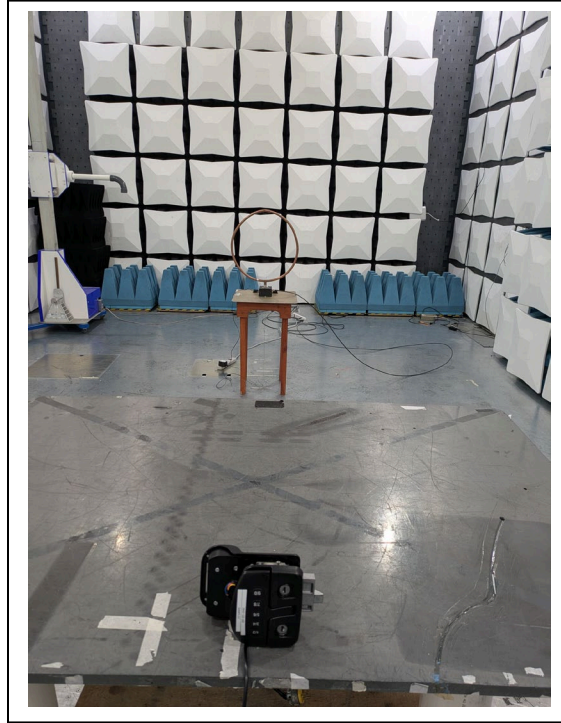
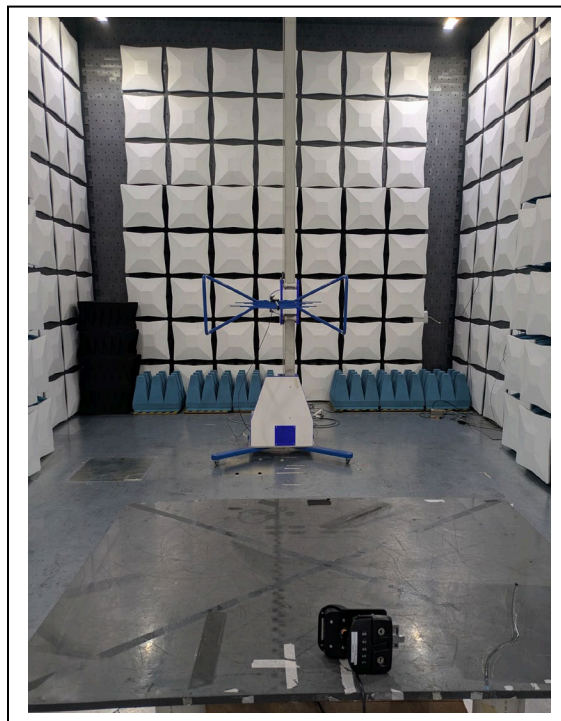
Date: 28.MAY.2026 12:39:56



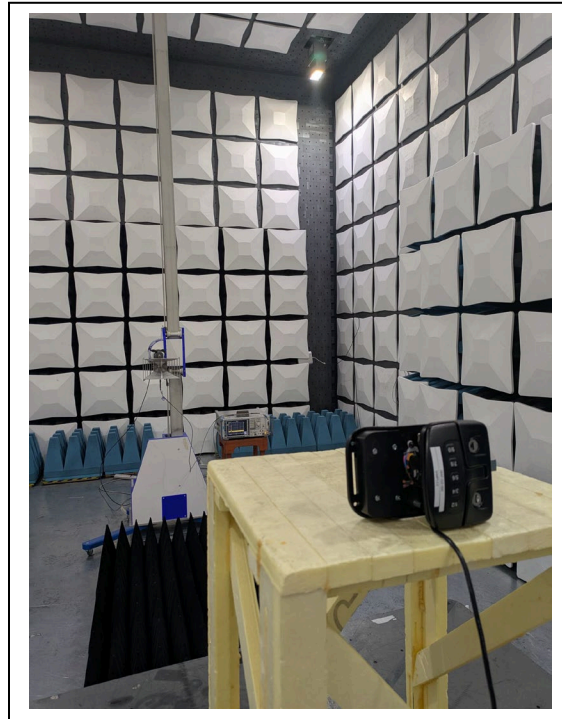
Thread: High Channel



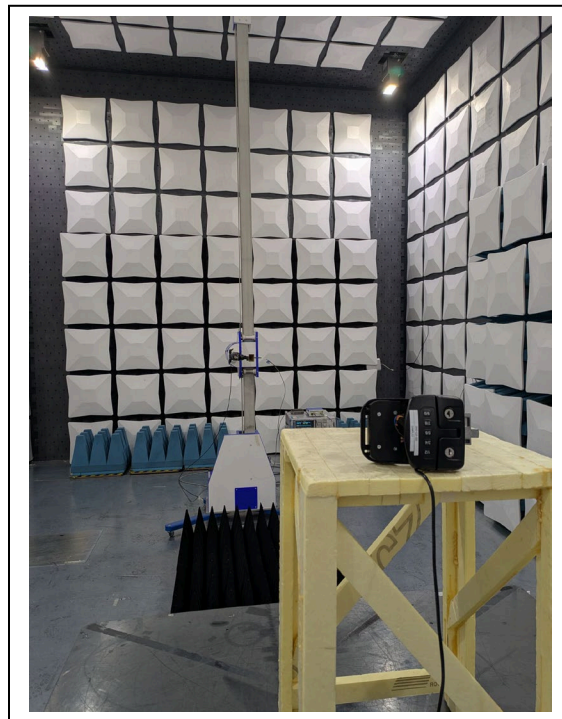
Date: 28.MAY.2026 12:40:49

12 TEST SETUP PHOTOGRAPH(S)**Radiated Spurious Emission: 0.009 MHz to 30 MHz****Radiated Spurious Emission: 30 MHz to 1000 MHz**

Radiated Spurious Emission: 1 GHz to 18 GHz



Radiated Spurious Emission: 18 GHz to 26 GHz





Conducted General Test Setup

