

RF Test Report

Project Number: 4763950

Proposal: SUW-202509008864

Report Number: SUW4763950EMC01

Revision Level: 0

Client: Maven Wireless

Equipment Under Test: 700 / 800 MHz Class A Signal Booster

Model Number: Strato

FCC ID: 2BE5B-RAM00019

FCC Rule Parts: FCC Part 90

Test Standards: ANSI C63.26:2015

FCC KDB 935210 D05 Indus Booster Basic Meas v01r04

Report issued on: 29 December 2025

Test Result: Compliant



FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

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1 Summary of Test Results

Part 2		Result
2.202	Bandwidth and emissions	Compliant
2.1033(c)(8)	Power at the final amplifier	Compliant
2.1046(a)	RF output power	Compliant
2.1047	Modulation characteristics	N/A ¹
2.1049	Occupied bandwidth	Compliant
2.1051	Spurious emissions at antenna terminals	Compliant
2.1053	Field strength of spurious emissions	Compliant
2.1055	Frequency stability	N/A ¹
Part 90		Result
90.205	Transmitter power	Compliant
90.207	Types of emissions	Compliant
90.209	Bandwidth limitations	Compliant
90.210	Emission masks, in-band	Compliant
90.210	Emission masks, out-of-band	Compliant
90.213	Frequency stability	N/A ¹
90.214	Transient frequency behavior	N/A ¹
90.219(d)(3)(i), (e)(1)	ERP of radiated power	N/A ²
90.219(d)(6)(i)	ERP of intermodulation products	N/A ²
90.219(d)(6)(ii)	ERP of noise within the passband	N/A ²
90.219(d)(6)(iii)	ERP of noise on spectrum <1 MHz outside of the passband	N/A ²
90.219(e)(2)	Noise figure	Compliant
90.219(e)(3)	Spurious emissions	Compliant
90.219(e)(4)(i)(ii)(iii)	Retransmitted signals	Compliant
90.221	Adjacent channel power	Compliant
KDB 934210 D05 applicable clauses		Result
4.1	Test signals for PLMRS (input signals)	Compliant
4.2	AGC threshold	Reported
4.3	Out-of-band rejection	Reported
4.4	Input vs Output signal comparison	Compliant
4.5	Output power	Compliant
4.5	Amplifier / booster gain	Reported
4.6	Noise figure	Compliant
4.7.2	Intermodulation products	Compliant
4.7.3	Spurious conducted emissions	Compliant
4.8	Frequency stability	N/A ¹
4.9	Spurious radiated emissions	Compliant

1) The EUT does not change the RF input signal in any way

2) Requirements of 90.219(d) apply at the deployment of this EUT. They are not applicable for certification.

2 General Information

2.1 Client Information

Name: Maven Wireless
Address: 222 N Pacific Coast Hwy, Floor 10 Suite 144
City, State, Zip, Country: El Segundo, CA 90245

2.2 Test Laboratory

Name: SGS Consumer Retail Services
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of Lab: Testing Laboratory
Certificate Number: 3212.01
Designation Number: US1126

Environmental Conditions over duration of testing

	Min	Max
Temperature:	22.18 °C	24.56 °C
Relative Humidity:	20.4 %	47.1 %

2.3 General Information of EUT

Type of Product: Class A Digital Channel Selective Signal Booster
Model Number: Strato
Serial Number: 01A5L

RF output power: DL: 40 dBm (10 W); UL: 30 dBm (1 W)
Bands of Operation (Uplink): 799-805 MHz; 806-816 MHz
Bands of Operation (Downlink): 769-775 MHz; 851-861 MHz

Bandwidths and Emission class
8K10F1D 9K80F1D 11K3F3E
8K10F1E 9K80F1E
8K10F1W 9K80D7W

No. of Channels: Varies
Duty cycle: 100%

Rated Voltage: 120Vac, 60Hz
Tested Voltage: 120Vac, 60Hz

Antenna Characteristics: The EUT does not include antenna(s)

Sample Received Date: 03 October 2025
Dates of testing: 29 October 2025 through 26 November 2025

2.4 Operating Modes and Conditions

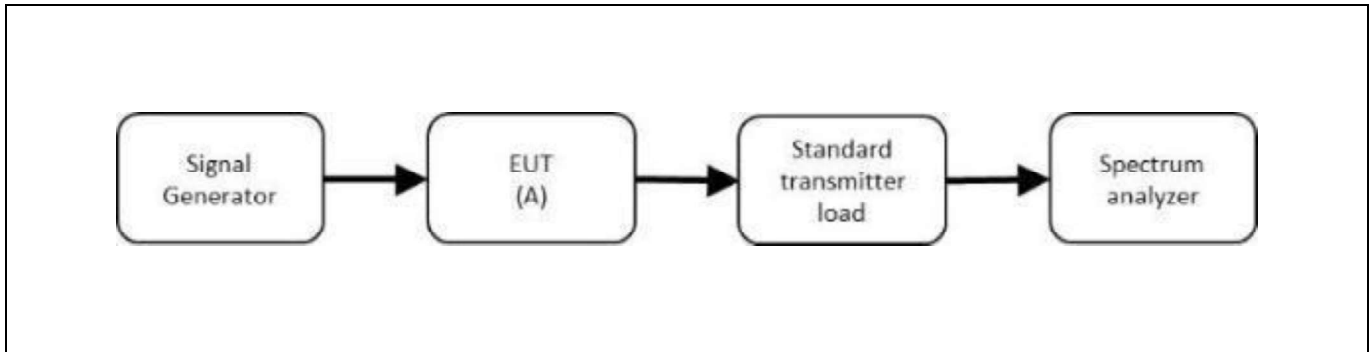
A signal generator was connected to the input port under test and the RF output port was connected to the spectrum analyzer. Both uplink and downlink paths were evaluated.

Test modes		
Link type	Band	Test frequencies (MHz)
Downlink	769-775 MHz	769.64375
		772.00000
		774.10625
Uplink	799-805 MHz	799.64375
		802.00000
		804.10625
Uplink	806 – 816 MHz	807.0125
		811.0000
		815.0125
Downlink	851 – 861 MHz	852.0125
		856.0000
		860.0125

2.5 Modifications Required for Compliance

None

2.6 EUT Connection Block Diagram



2.7 System Configurations

Device reference	Manufacturer	Description	Model Number	Serial Number
A (EUT)	Maven	Signal Booster	Strato	01A5L

3 AGC Threshold

3.1 Test Result

Test Description	Test reference	Test Result
Input/output power and amplifier/booster gain	ANSI C63.26 FCC KDB 935210 D05	Reported

3.2 Test Method

Testing was performed according to ANSI C63.26 and FCC KDB 935210 D05 Section 4.2.

3.3 Test Equipment

Test End Date: 29-Oct-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE, NM TO NM.	90-195-157	TELEDYNE STORM MICROWAVE	21019	17-Mar-2025	17-Mar-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20107	21-Mar-2025	21-Mar-2026
ATTENUATOR, 10DB	BW-S10W20+	MINI-CIRCUITS	B095595	7-Jul-2025	7-Jul-2026
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Mar-2025	4-Mar-2026
VECTOR SIGNAL GENERATOR (TS8997)	SMBV 100A	ROHDE & SCHWARZ	15002	3-Mar-2025	3-Mar-2028

3.4 Test Data

AGC Threshold				
Link type	Operating Frequency Band (MHz)	Input Signal Type	Input Threshold Level (dBm)	Verdict
Downlink	769-775	Broadband	-33.92	Reported
		Narrowband	-30.77	Reported
	851.0-861.0	Broadband	-33.91	Reported
		Narrowband	-30.88	Reported
Uplink	799-805	Broadband	-44.67	Reported
		Narrowband	-41.56	Reported
	806.0-816.0	Broadband	-43.81	Reported
		Narrowband	-40.8	Reported

Notes:

1. For Narrowband measurements a CW signal was used
2. For Broadband measurements a AWGN signal was used

4 Out-of band rejection

4.1 Test Result

Test Description	Test reference	Test Result
Out-Of Band Rejection	ANSI C63.26 FCC KDB 935210 D05	Reported

4.2 Test Method

Testing was performed according to ANSI C63.26 and FCC KDB 935210 D05 Section 4.3.

4.3 Test Equipment

Test End Date: 26-Nov-2025

Tester: SGM

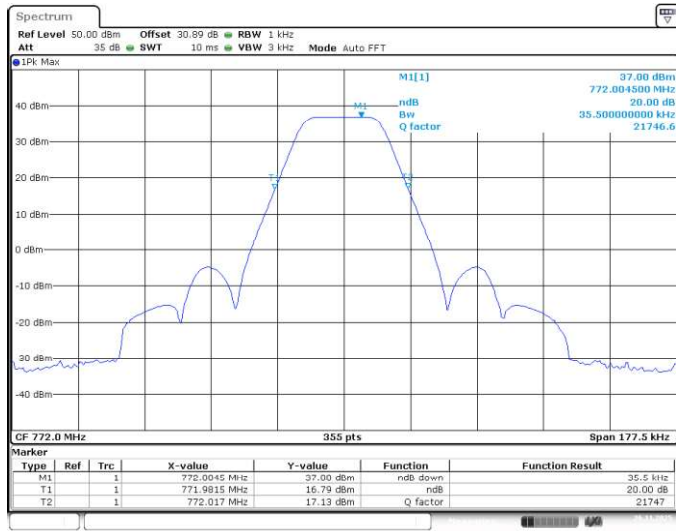
Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE (TS8997)	141	HUBER & SUHNER	B095586	3-Jul-2025	3-Jul-2026
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20107	21-Mar-2025	21-Mar-2026
ATTENUATOR, 10DB	BW-S10W20+	MINI-CIRCUITS	B095595	7-Jul-2025	7-Jul-2026
SIGNAL GENERATOR	SMB 100A	ROHDE & SCHWARZ	B085760	8-Oct-2025	8-Oct-2028

4.4 Test Data

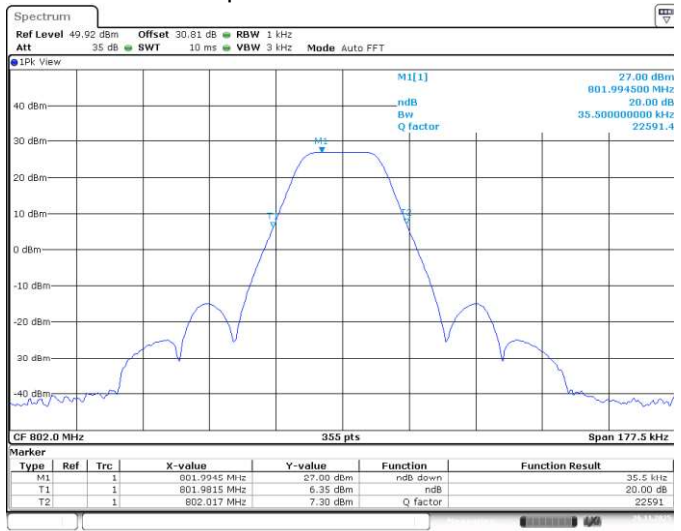
Link type	Band	Passband (kHz)	Class of operation
Downlink	758 – 775 MHz	< 75 kHz	Class A
Uplink	788 – 805 MHz	< 75 kHz	Class A
Uplink	806 – 824 MHz	< 75 kHz	Class A
Downlink	851 – 869 MHz	< 75 kHz	Class A

4.5 Spectrum plots

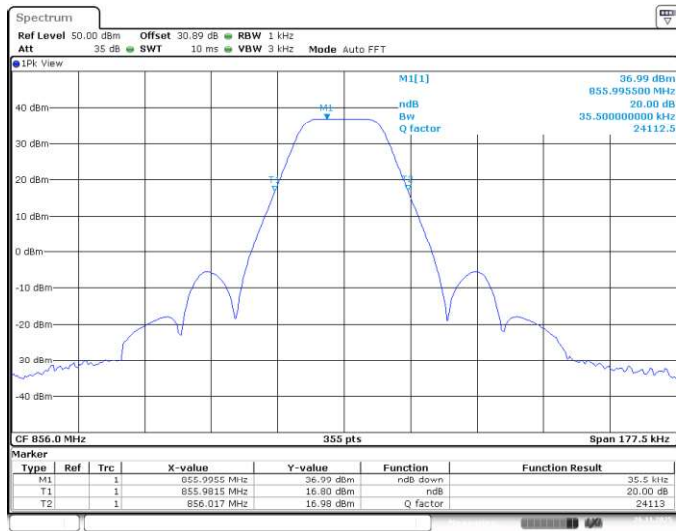
Downlink 700MHz Band



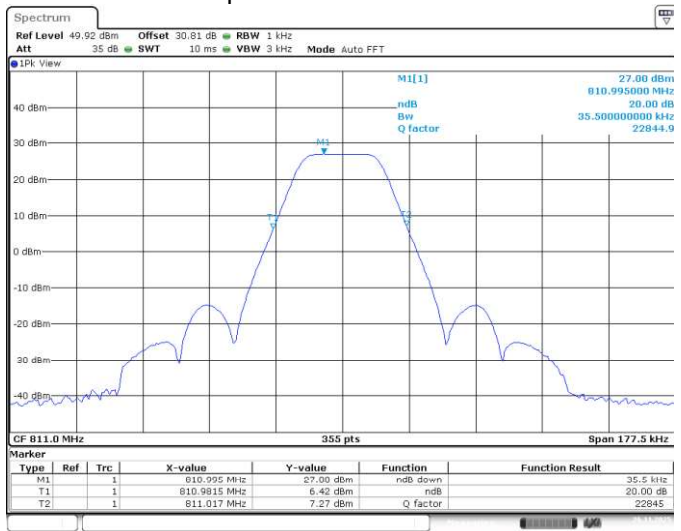
Uplink 700MHz Band



Downlink 800MHz Band



Uplink 800MHz Band



5 Input-versus-output signal comparison

5.1 Test Result

Test Description	Test reference	Test Result
Input-versus-output signal comparison	ANSI C63.26 FCC KDB 935210 D05	Compliant

5.2 Test Method

Testing was performed according to KDB 935210 D05 Industrial Signal Boosters Clause 4.4.

Authorized bandwidth		
Rule Part	Operating Range	Authorized Bandwidth
Part 90	758 – 775 MHz	Unspecified
Part 90	806 – 809 MHz; 851 – 854 MHz	20 kHz
Part 90	809 – 817 MHz; 854 – 862 MHz	20 kHz; 11.25 kHz
Part 90	817 – 824 MHz; 862 – 869 MHz	20 kHz
Applicable input signals		
Signal	Occupied bandwidth (kHz)	Representative emission designator(s)
CW	n/a	n/a
12.5 kHz FM	11.3	11K3F3E
C4FM (P25 Phase I)	8.1	8K10F1D, 8K10F1E
HCPM (P25 Phase II SU)	8.1	8K10F1W
HDQPSK (P25 Phase II BS)	9.8	9K80F1D, 9K80F1E, 9K80D7W

5.3 Test Equipment

Test End Date: 6-Nov-2025

Tester: SGM

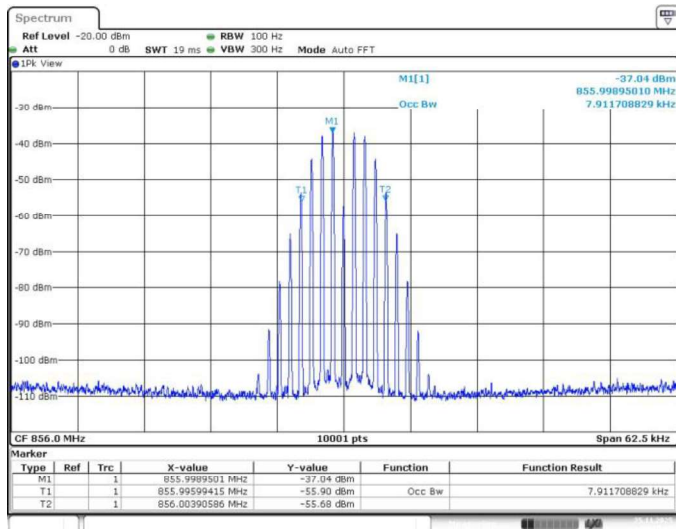
Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE, NM TO NM.	90-195-157	TELEDYNE STORM MICROWAVE	21019	17-Mar-2025	17-Mar-2026
ATTENUATOR, 10DB	BW-S10W20+	MINI-CIRCUITS	B095595	7-Jul-2025	7-Jul-2026
RF CABLE (TS8997)	141	HUBER & SUHNER	B095588	3-Jul-2025	3-Jul-2026
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Mar-2025	4-Mar-2026
VECTOR SIGNAL GENERATOR	SMBV100B	ROHDE & SCHWARZ	S/N: 104469	25-Jul-2025	25-Jul-2027

5.4 Summarization of Test Data

Input vs Output Signal Comparison						
Link Type	Frequency Band	Signal Type	Input Bandwidth (kHz)	Output Bandwidth (kHz)		Verdict
				AGC	AGC+3	
Downlink	769-775	FM 12.5kHz	7.9	8.0	8.0	PASS
		C4FM	8.0	8.1	8.1	PASS
		H-CPM	8.1	8.1	8.1	PASS
		H-DQPSK	9.8	9.8	9.8	PASS
	851.0-861.0	FM 12.5kHz	7.9	8.0	8.0	PASS
		C4FM	8.0	8.0	8.0	PASS
		H-CPM	8.1	8.1	8.1	PASS
		H-DQPSK	9.8	9.8	9.8	PASS
Uplink	799-805	FM 12.5kHz	7.9	8.0	8.0	PASS
		C4FM	8.0	8.1	8.1	PASS
		H-CPM	8.1	8.1	8.1	PASS
		H-DQPSK	9.8	9.8	9.8	PASS
	806.0-816.0	FM 12.5kHz	7.9	8.0	8.0	PASS
		C4FM	8.0	8.1	8.1	PASS
		H-CPM	8.1	8.1	8.1	PASS
		H-DQPSK	9.8	9.8	9.8	PASS

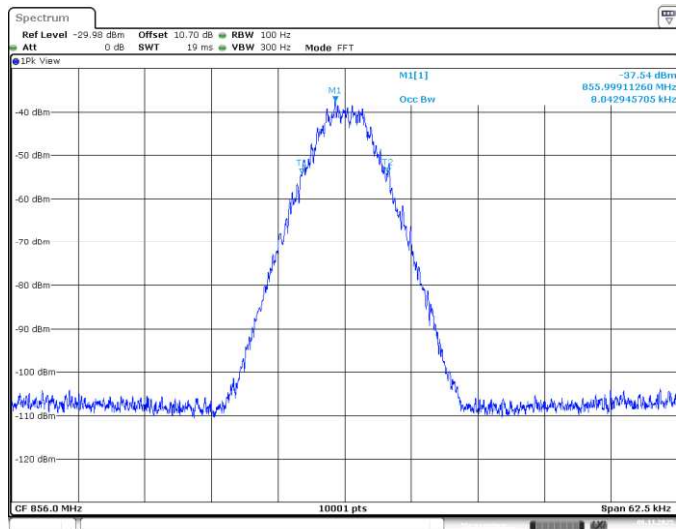
5.5 Test Data – Input Signals

12.5 kHz FM



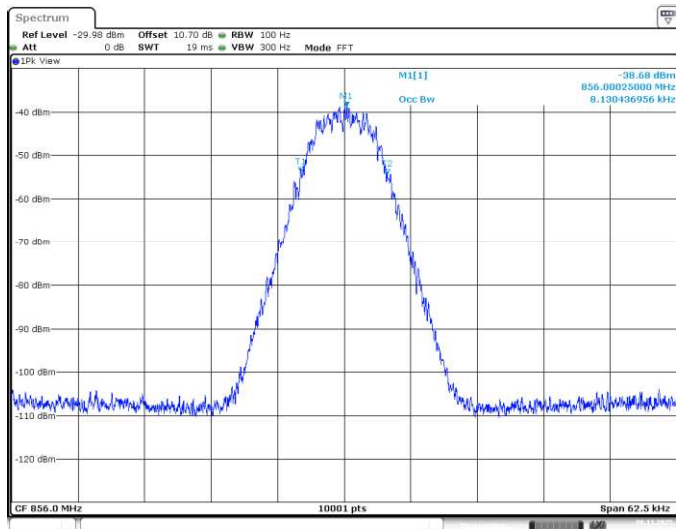
Date: 25.NOV.2025 14:07:28

C4FM



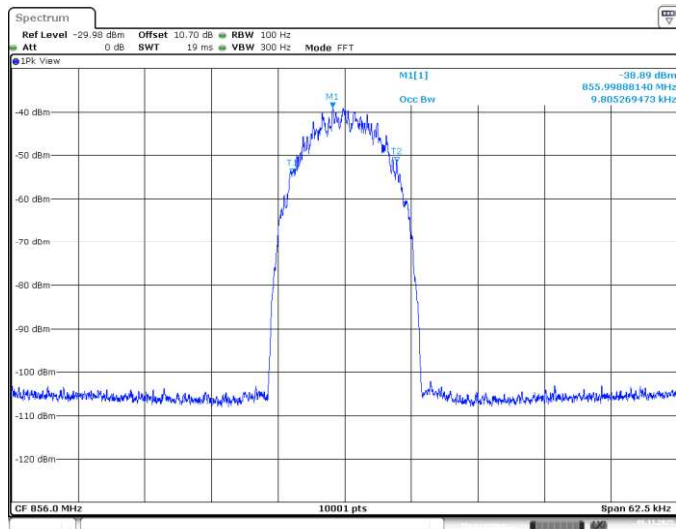
Date: 6.NOV.2025 11:47:15

H-CPM



Date: 6.NOV.2025 11:46:25

H-DQPSK

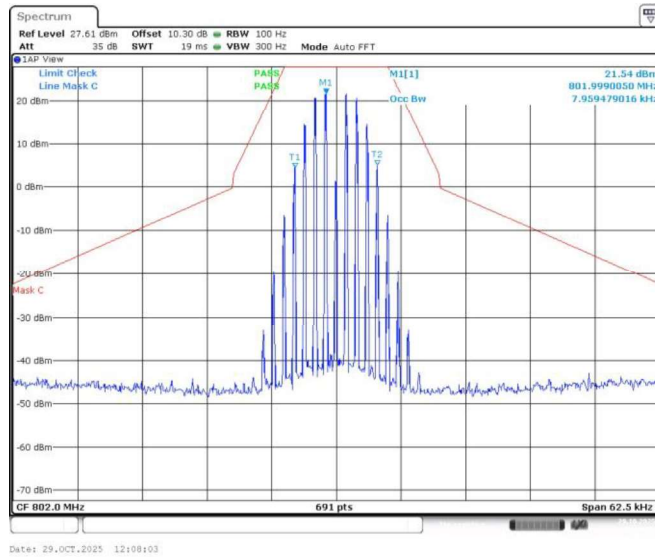


Date: 6.NOV.2025 11:45:37

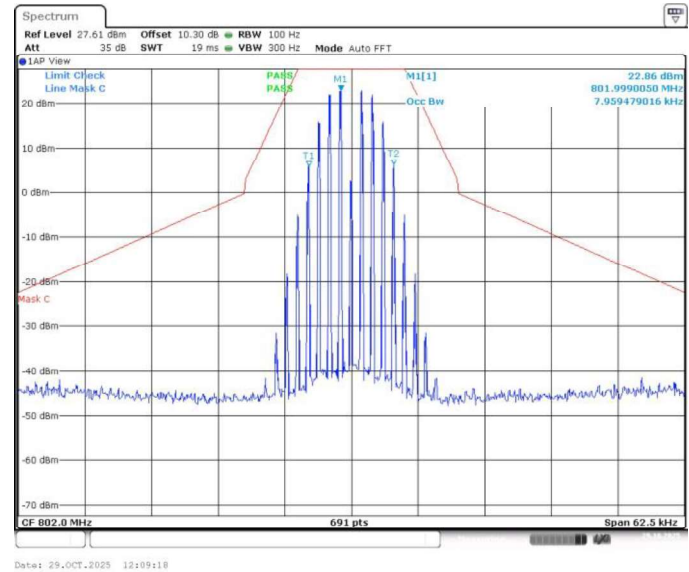
5.6 Test Data – 700 MHz band uplink

12.5 kHz FM, uplink

Output at AGC

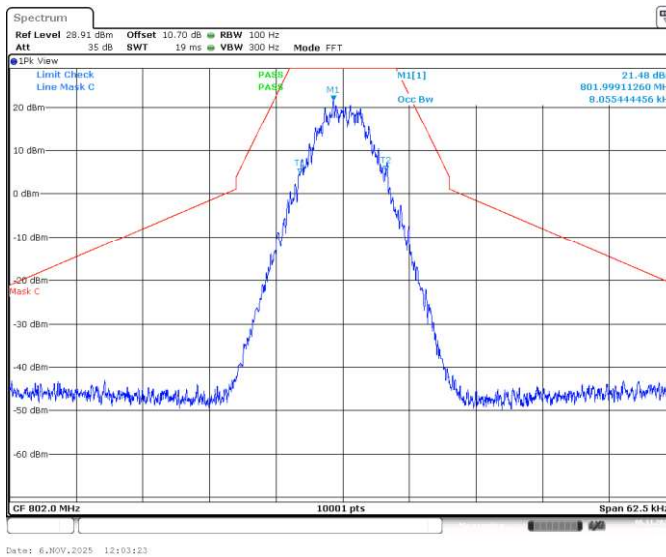


Output at AGC+3dB

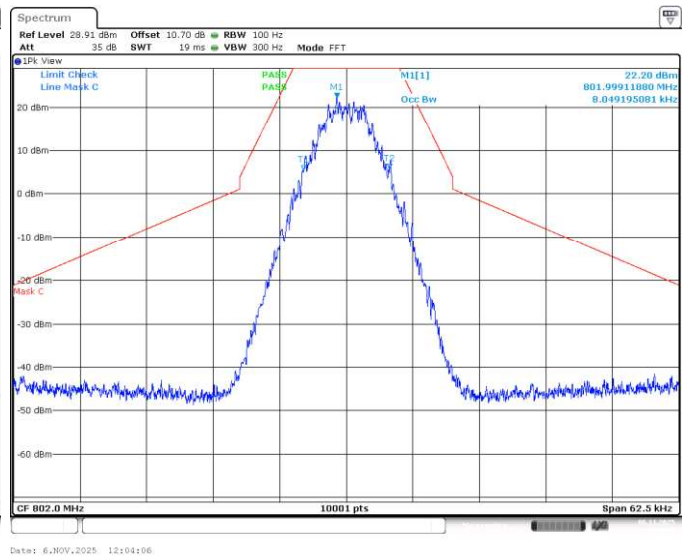


C4FM, uplink

Output at AGC

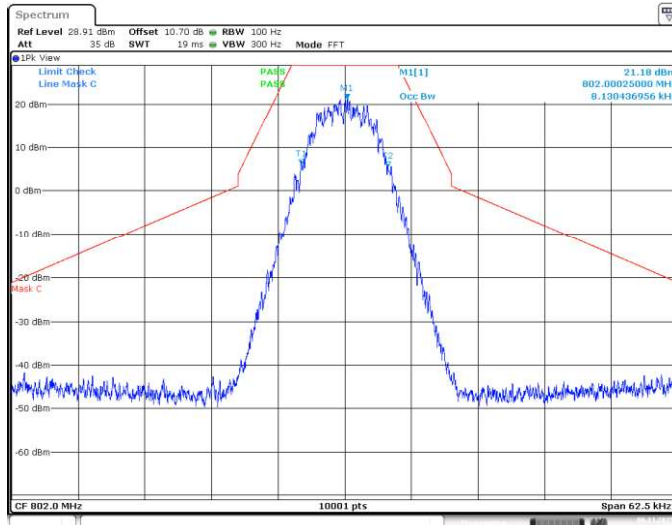


Output at AGC+3dB

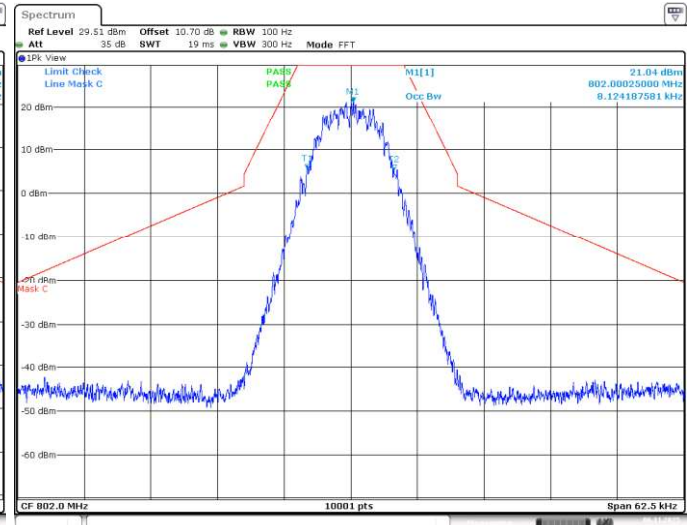


H-CPM, uplink

Output at AGG

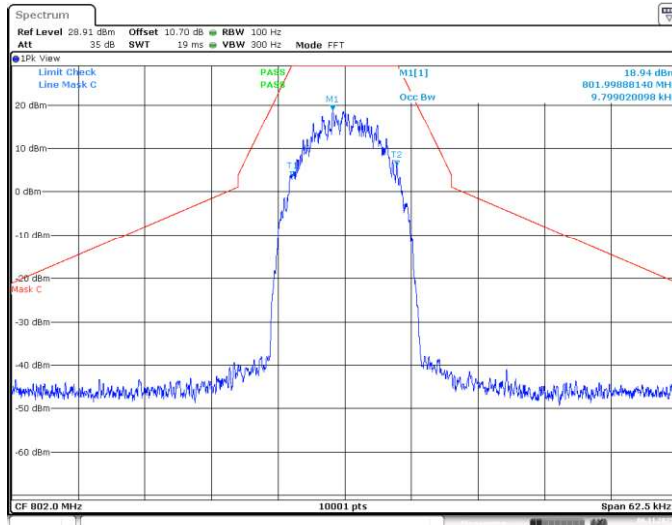


Output at AGC+3dB

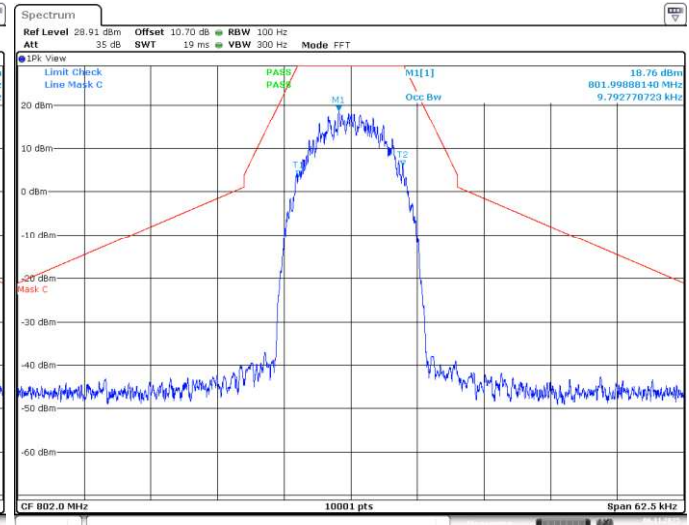


H-DQPSK, uplink

Output at AGC



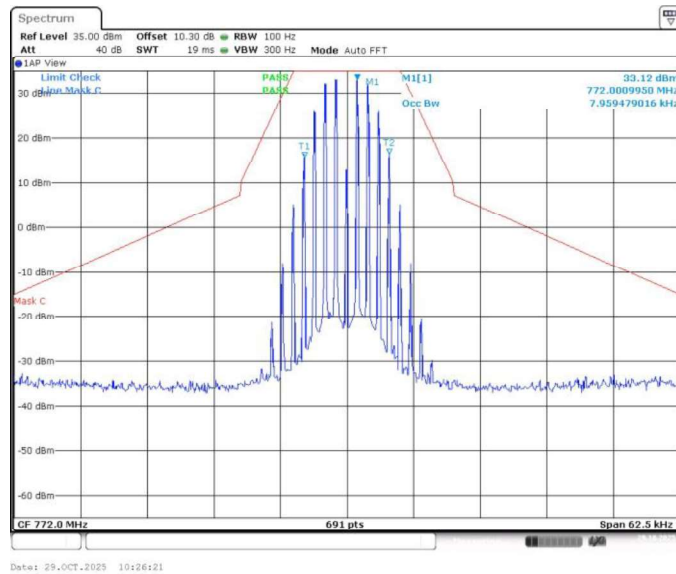
Output at AGC+3dB



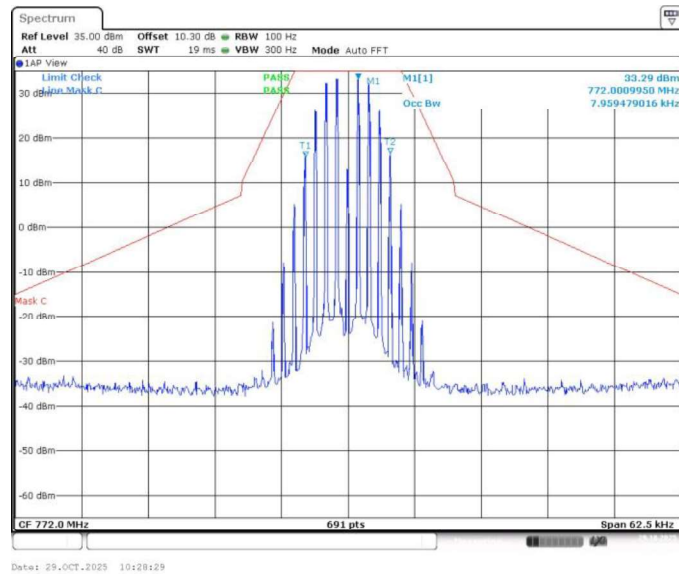
5.7 Test Data – 700 MHz band downlink

12.5 kHz FM, downlink

Output at AGC

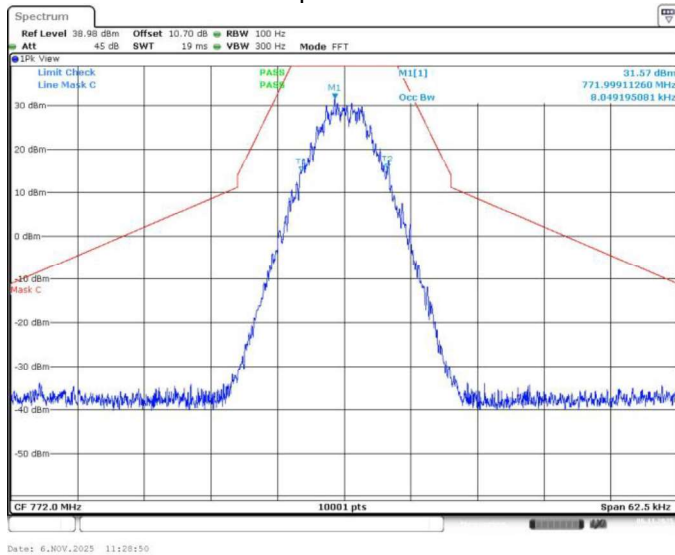


Output at AGC+3dB

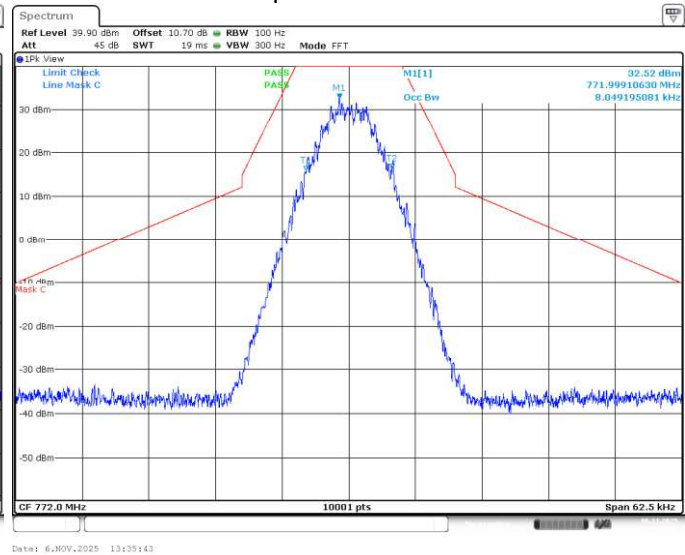


C4FM, downlink

Output at AGC

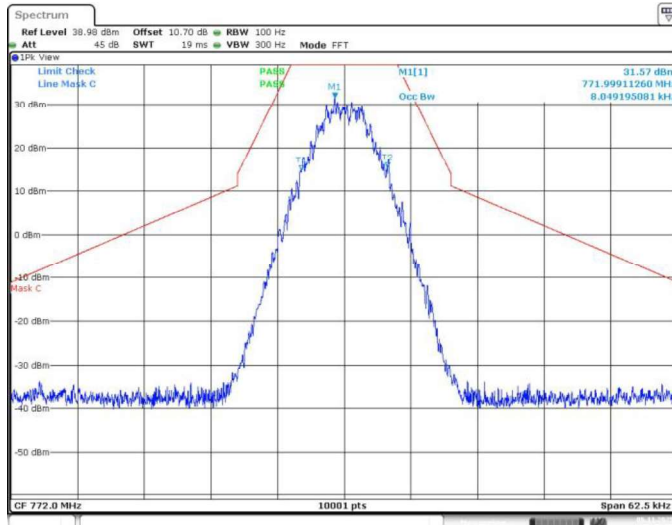


Output at AGC+3dB

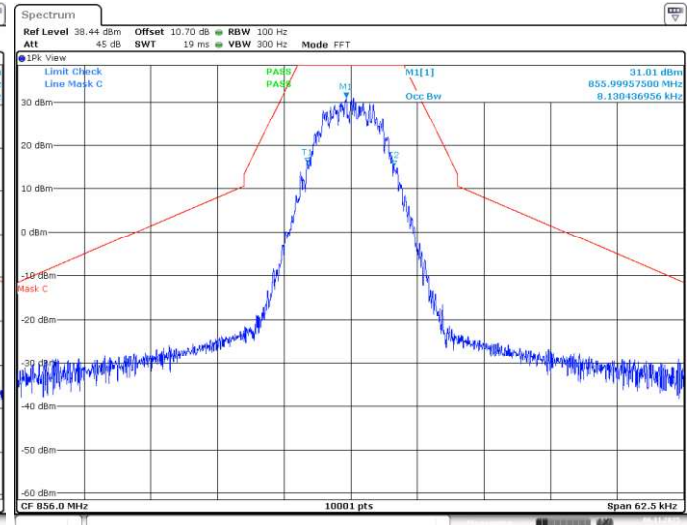


H-CPM, downlink

Output at AGC

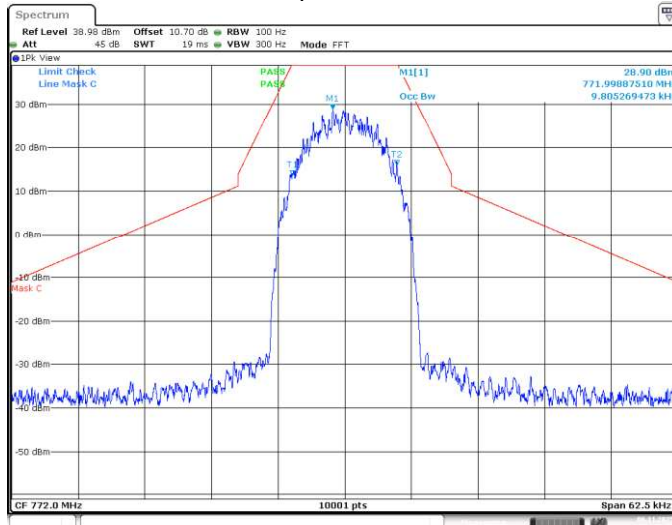


Output at AGC+3dB

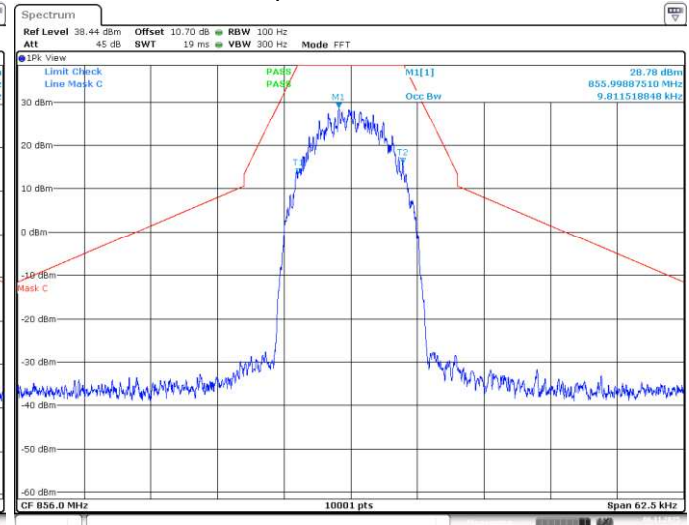


H-DQPSK, downlink

Output at AGC



Output at AGC+3dB

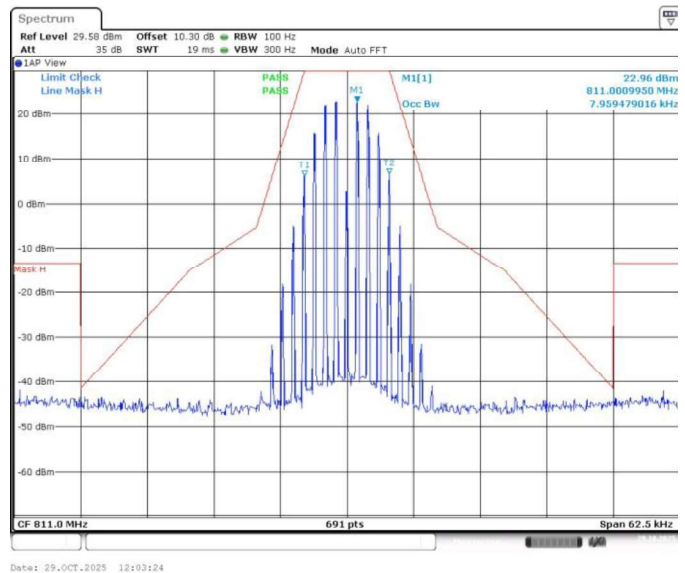
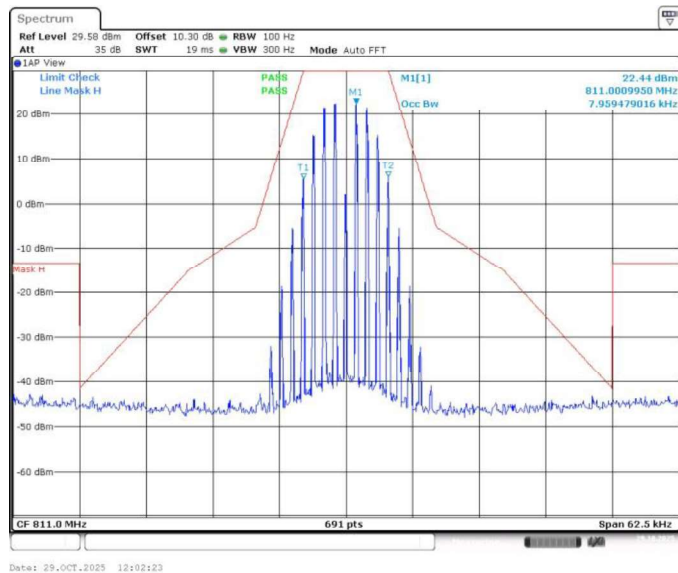
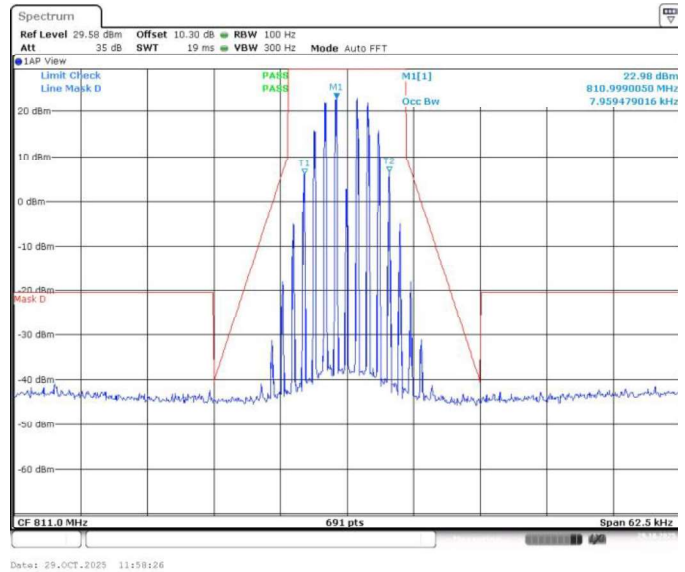
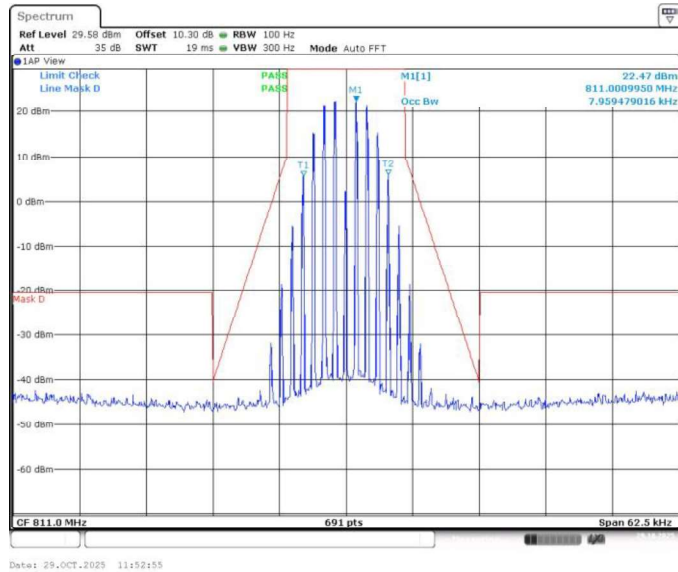


5.8 Test Data – 800 MHz band uplink

12.5 kHz FM, uplink

Output at AGC

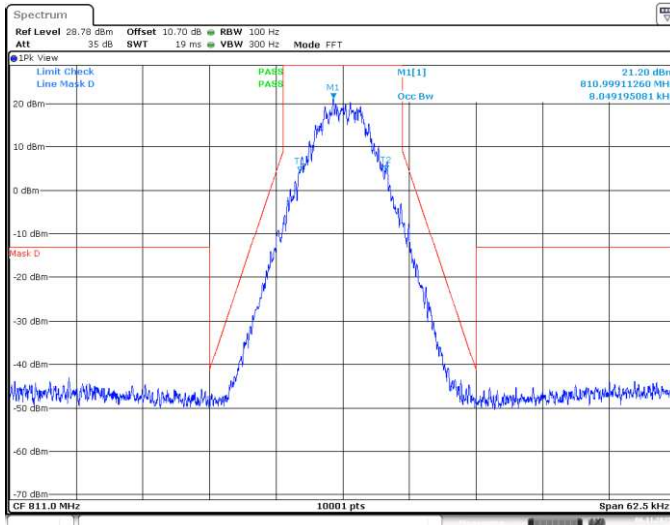
Output at AGC+3dB



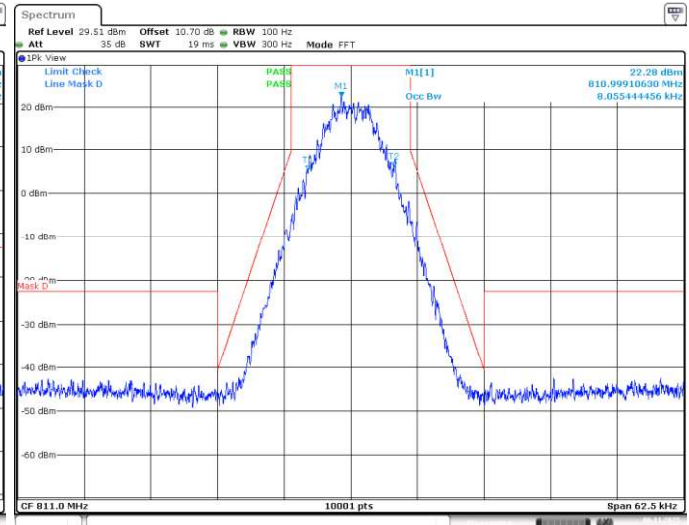
C4FM, uplink

Output at AGC

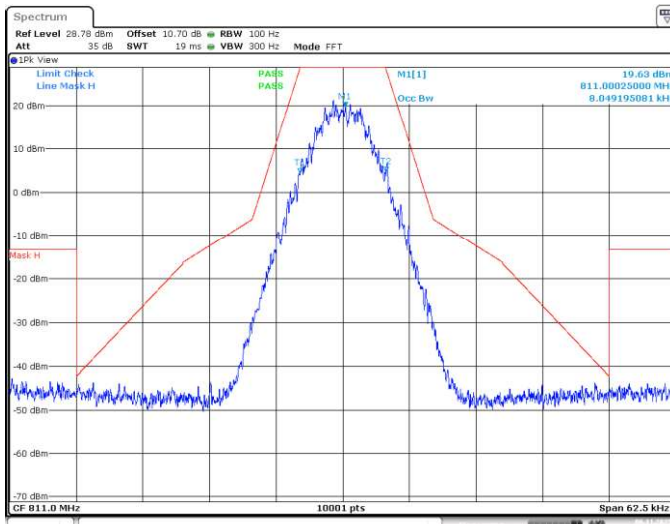
Output at AGC+3dB



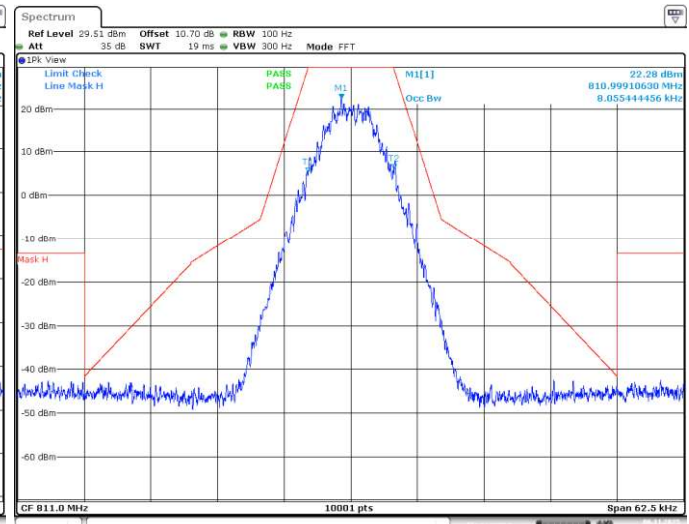
Date: 6.NOV.2025 12:46:01



Date: 6.NOV.2025 13:52:39



Date: 6.NOV.2025 12:44:15

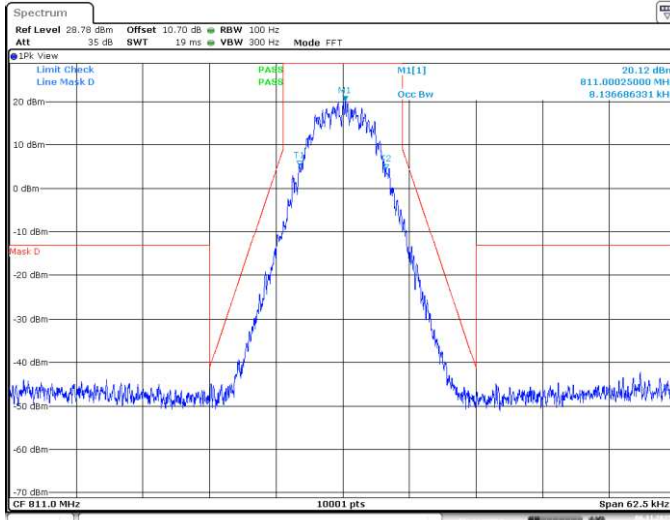


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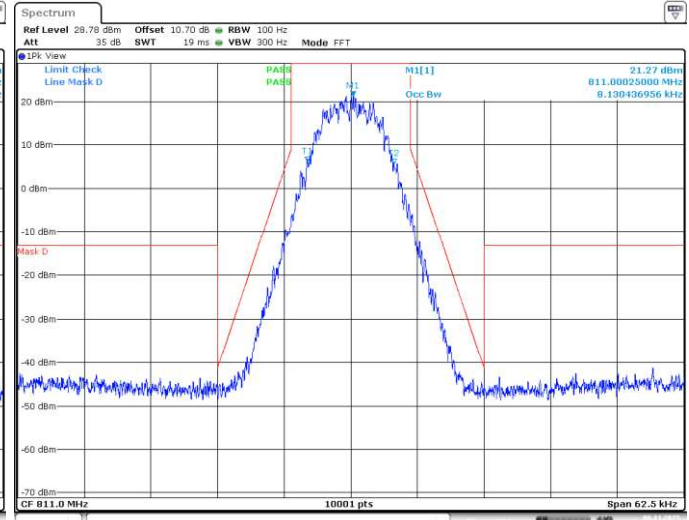
H-CPM, uplink

Output at AGC

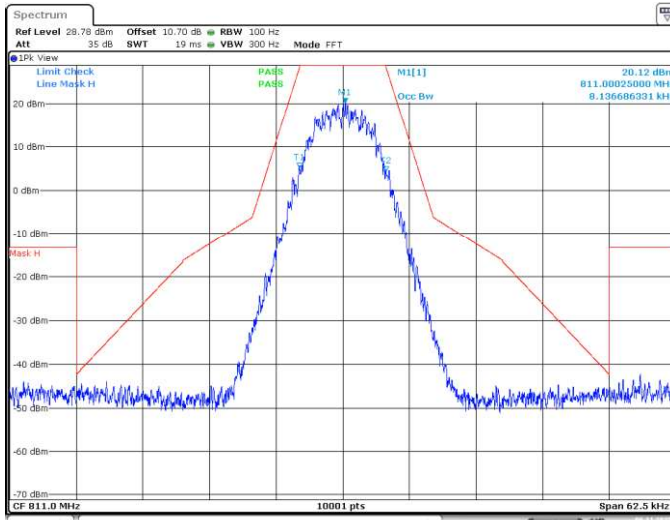
Output at AGC+3dB



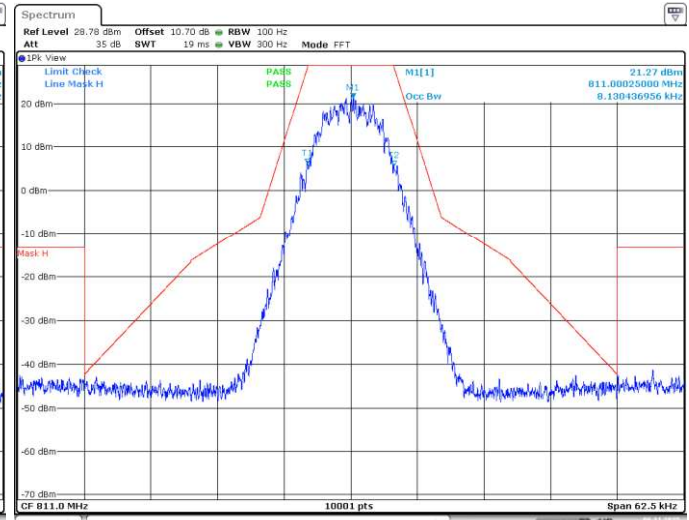
Date: 6.NOV.2025 12:23:28



Date: 6.NOV.2025 12:24:33



Date: 6.NOV.2025 12:22:15

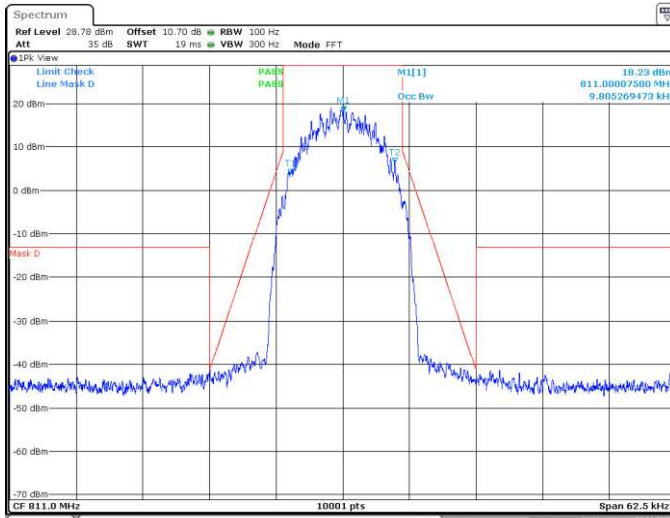


Date: 6.NOV.2025 12:25:29

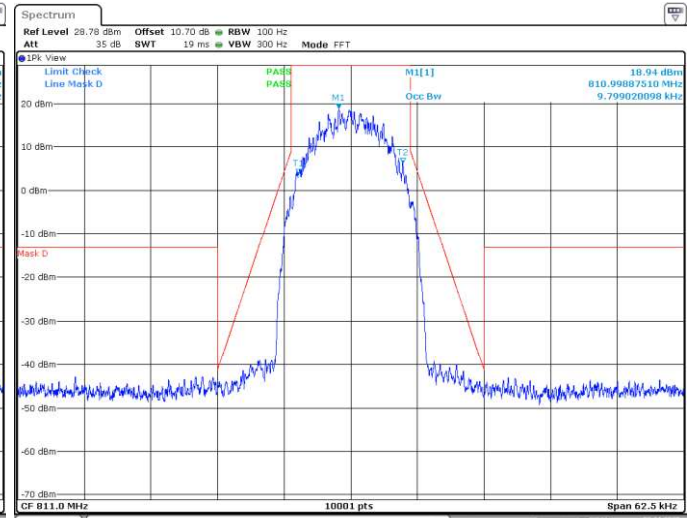
H-DQPSK, uplink

Output at AGC

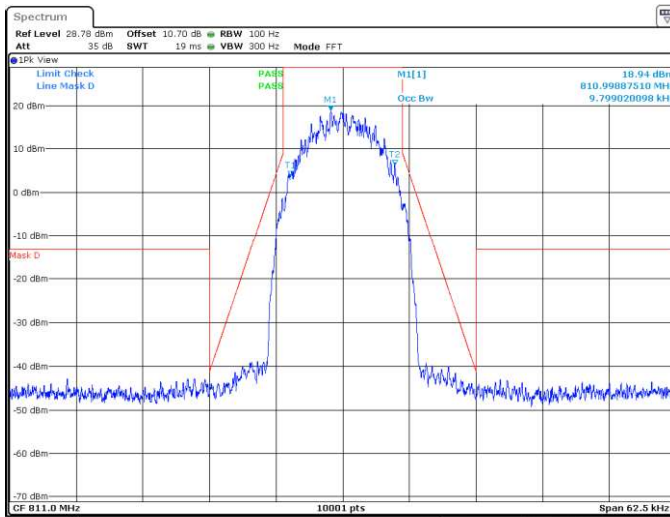
Output at AGC+3dB



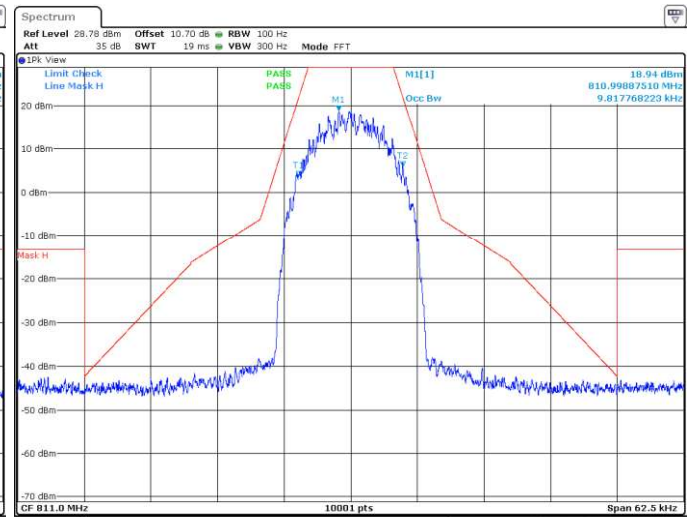
Date: 6.NOV.2025 12:16:50



Date: 6.NOV.2025 12:17:33



Date: 6.NOV.2025 12:17:33



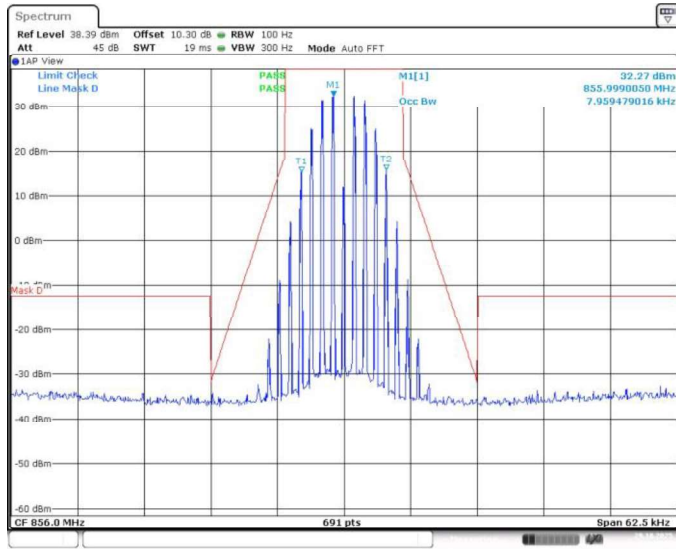
Date: 6.NOV.2025 12:18:59

5.9 Test Data – 800 MHz band downlink

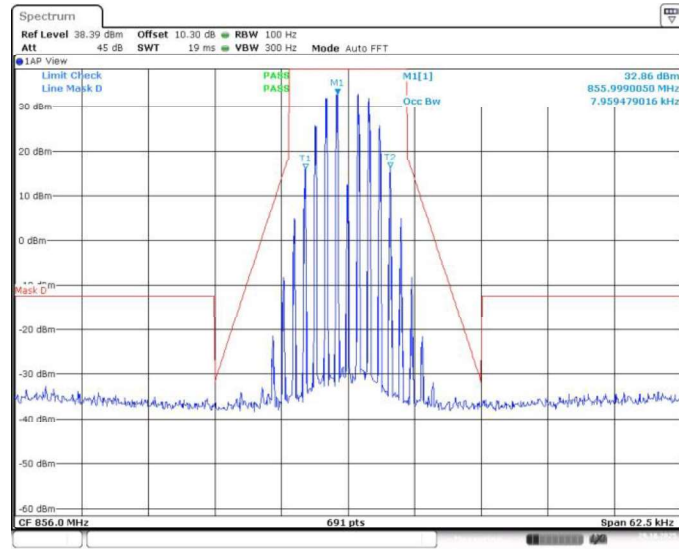
12.5 kHz FM, downlink

Output at AGC

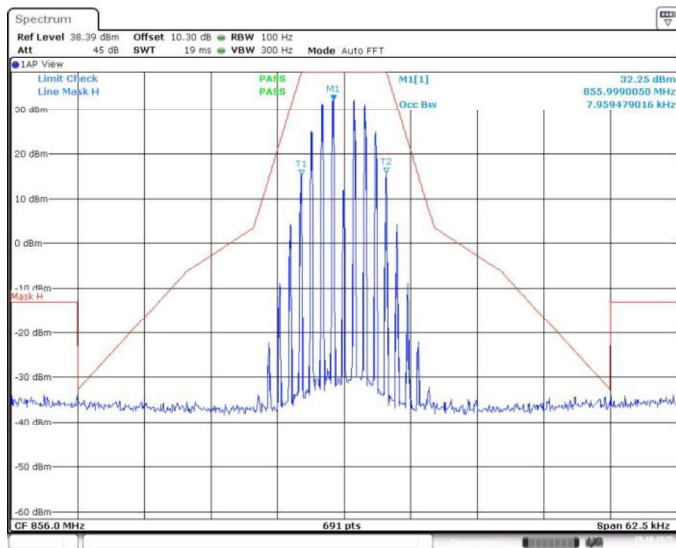
Output at AGC+3dB



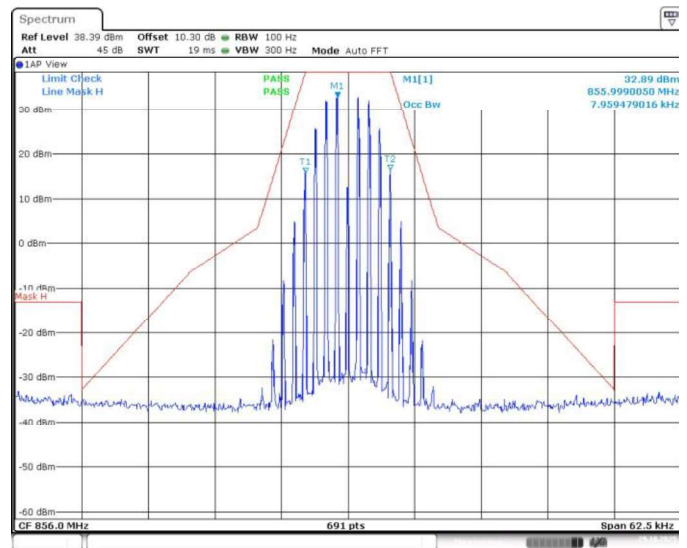
Date: 29.OCT.2025 11:37:03



Date: 29.OCT.2025 11:37:56



Date: 29.OCT.2025 11:27:39

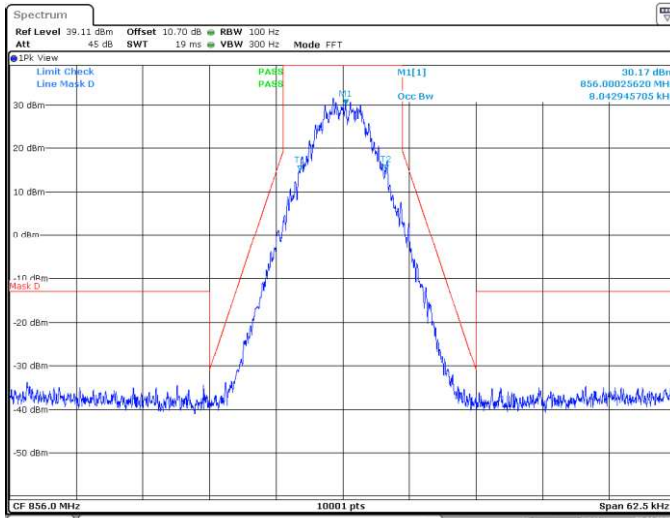


Date: 29.OCT.2025 11:26:24

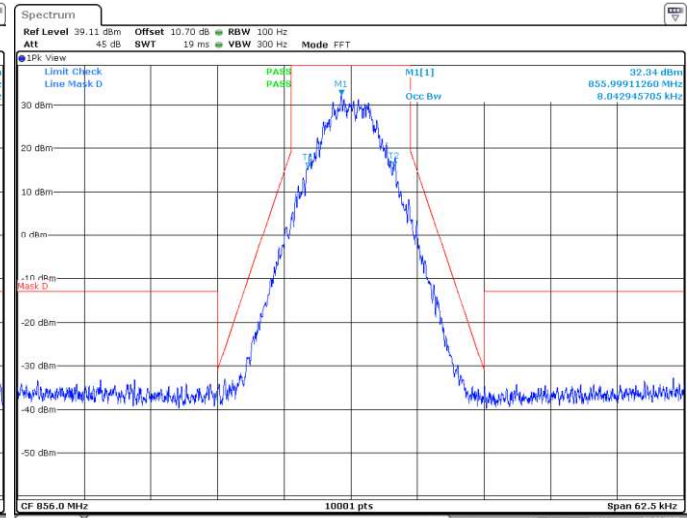
C4FM, downlink

Output at AGC

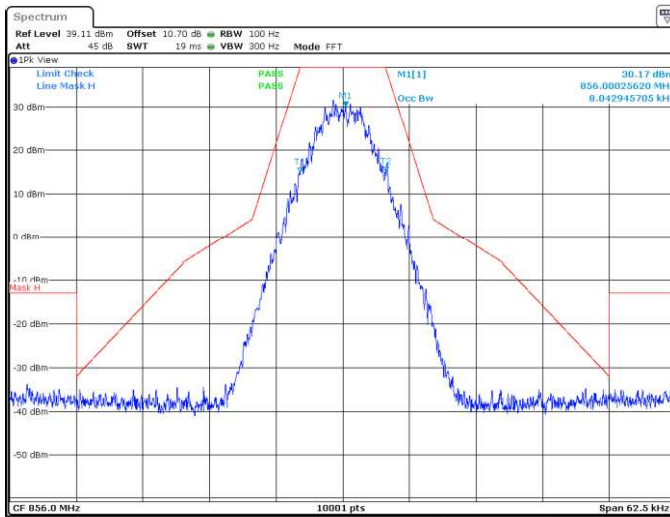
Output at AGC+3dB



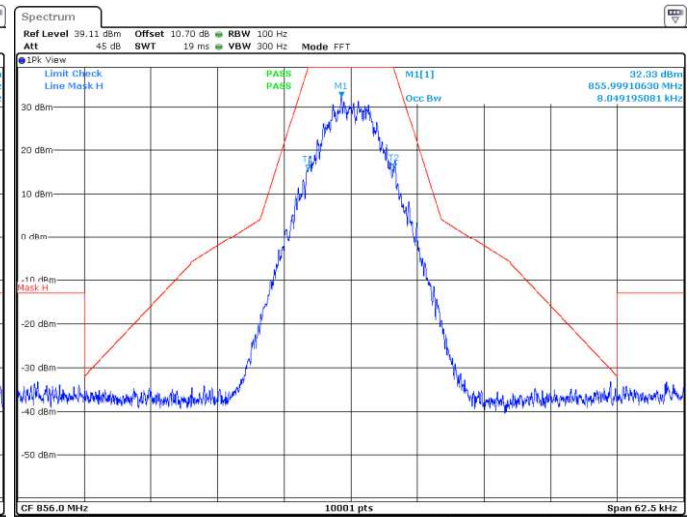
Date: 6.NOV.2025 14:36:23



Date: 6.NOV.2025 14:36:59



Date: 6.NOV.2025 14:35:42

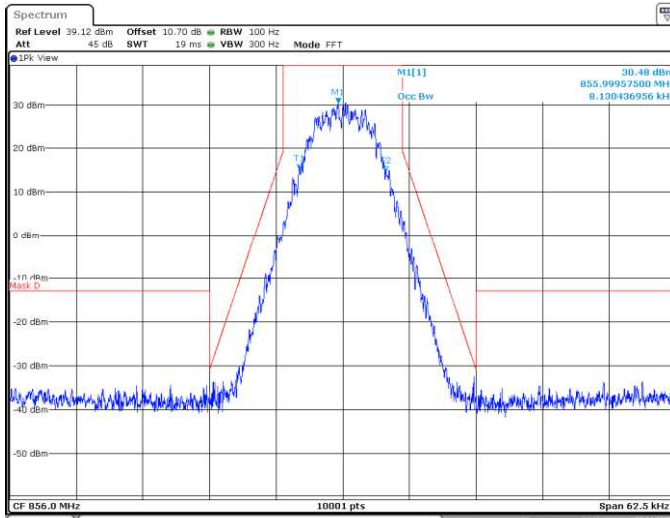


Date: 6.NOV.2025 14:37:45

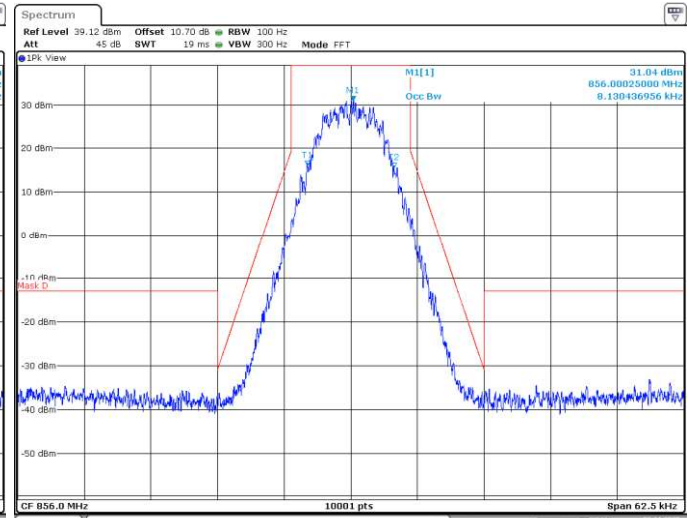
H-CPM, downlink

Output at AGC

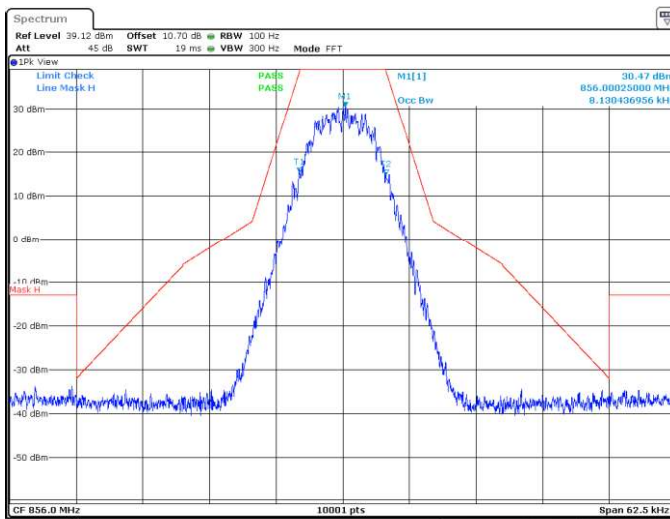
Output at AGC+3dB



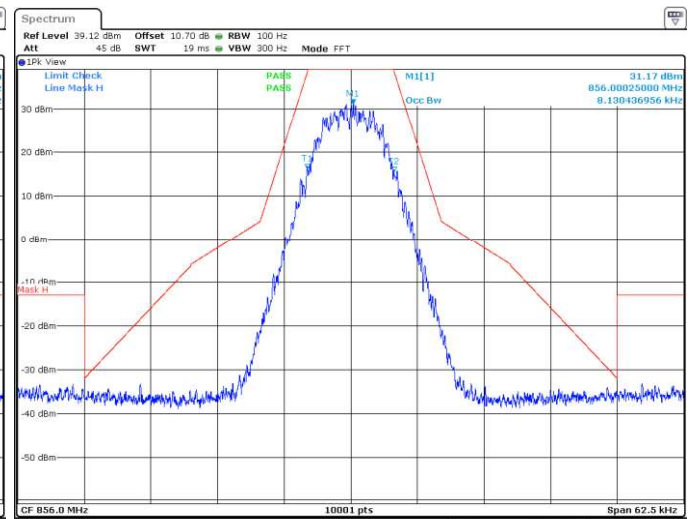
Date: 6.NOV.2025 13:39:55



Date: 6.NOV.2025 13:40:40



Date: 6.NOV.2025 13:42:10

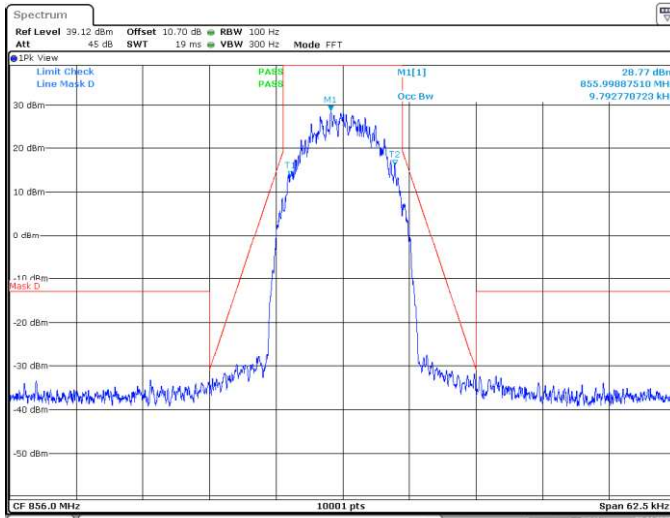


Date: 6.NOV.2025 13:42:49

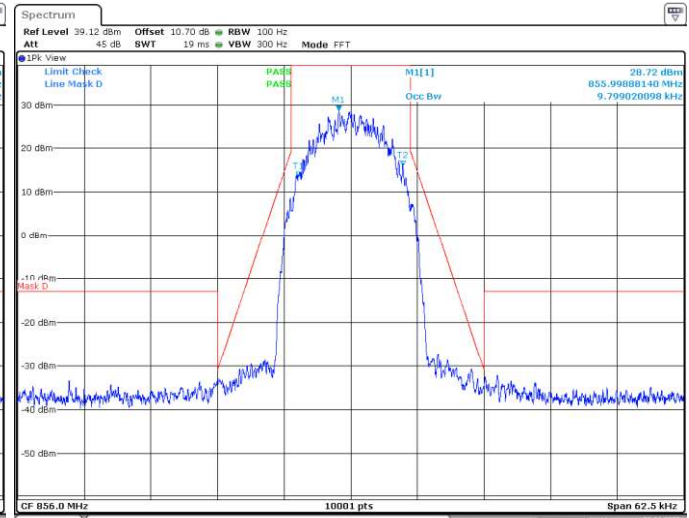
H-DQPSK, downlink

Output at AGC

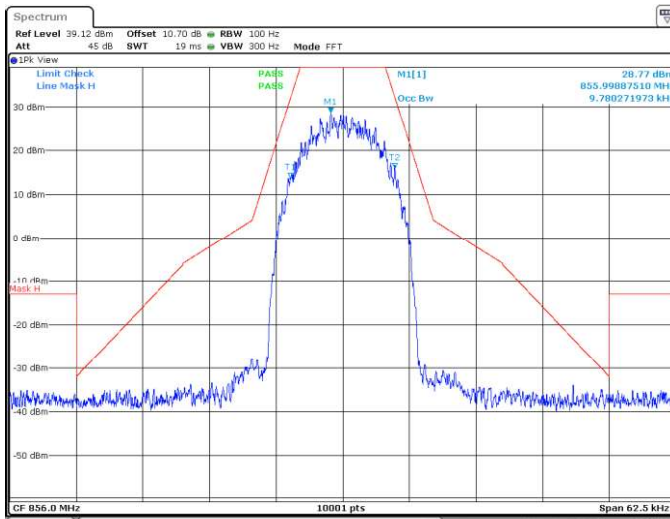
Output at AGC+3dB



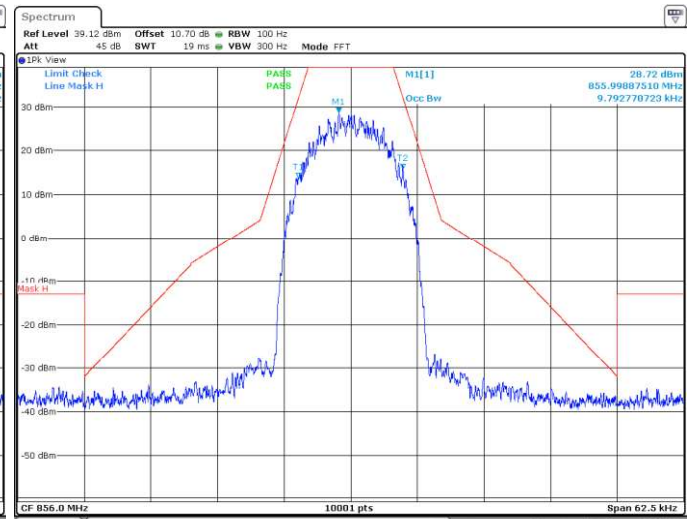
Date: 6.NOV.2025 13:46:08



Date: 6.NOV.2025 13:46:54



Date: 6.NOV.2025 13:44:19



Date: 6.NOV.2025 13:45:11

6 RF output power and gain

6.1 Test Result

Test Description	Test reference	Test Result
Input/output power and amplifier/booster gain	ANSI C63.26 FCC KDB 935210 D05	Reported

6.2 Test Method

Testing was performed according to ANSI C63.26 and FCC KDB 935210 D05 Section 4.5.3, Method 1.

6.3 Test Equipment

Test End Date: 30-Oct-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE NM TO NM, 0.01-12GHZ	90-078-079	TELEDYNE STORM MICROWAVE	20115	17-Mar-2025	17-Mar-2026
RF CABLE, NM TO NM.	90-195-157	TELEDYNE STORM MICROWAVE	21019	17-Mar-2025	17-Mar-2026
ATTENUATOR, 20W 30DB DC-18GHZ	BW-N30W20+	MINI-CIRCUITS	21017	5-May-2025	5-May-2026
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Mar-2025	4-Mar-2026
VECTOR SIGNAL GENERATOR (TS8997)	SMBV 100A	ROHDE & SCHWARZ	15002	3-Mar-2025	3-Mar-2028

6.4 Test Data

Link type	Rated Max Output Power (dBm)	Rated Max Output Power (Watts)
Uplink	30.0	1
Downlink	40.0	10

Gain: 700 MHz Band					
Link type	Tuned frequency (MHz)	Input level	Power input (dBm)	Power output (dBm)	Gain (dB)
Downlink	769.64375	AGC	-40.03	40.05	80.08
		AGC +3	-37.05	40.02	77.07
	774.10625	AGC	-40.07	39.09	79.16
		AGC +3	-37.07	39.69	76.76
Uplink	799.64375	AGC	-50.09	29.62	79.71
		AGC +3	-47.11	30.62	77.73
	804.10625	AGC	-49.84	28.81	78.65
		AGC +3	-46.88	29.52	76.4

Gain: 800 MHz Band					
Link type	Tuned frequency (MHz)	Input level	Power input (dBm)	Power output (dBm)	Gain (dB)
Downlink	852.0125	AGC	-39.07	39.29	78.36
		AGC +3	-36.08	39.33	75.41
	860.0125	AGC	-39.19	39.32	78.51
		AGC +3	-36.14	39.38	75.52
Uplink	807.0125	AGC	-49.67	28.73	78.4
		AGC +3	-46.71	30.04	76.75
	815.0125	AGC	-50.17	27.69	77.86
		AGC +3	-47.2	29.17	76.37

Gain = Power Output – Power Input

7 Noise Figure

7.1 Test Result

Test Description	Test reference	Test Result
Noise figure measurements	ANSI C63.26 FCC KDB 935210 D05	Compliant

7.2 Test Method

Testing was performed according to KDB 935210 D05 Industrial Signal Boosters Section 4.6.

7.3 Test Equipment

Test End Date: 24-Nov-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
ATTENUATOR, 20W 30DB DC-18GHZ	BW-N30W20+	MINI-CIRCUITS	21017	5-May-2025	5-May-2026
RF CABLE (TS8997)	141	HUBER & SUHNER	B095588	3-Jul-2025	3-Jul-2026
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Mar-2025	4-Mar-2026
NOISE SOURCE	346C	HEWLETT PACKARD	S/N: 3324A03609	CNR	CNR

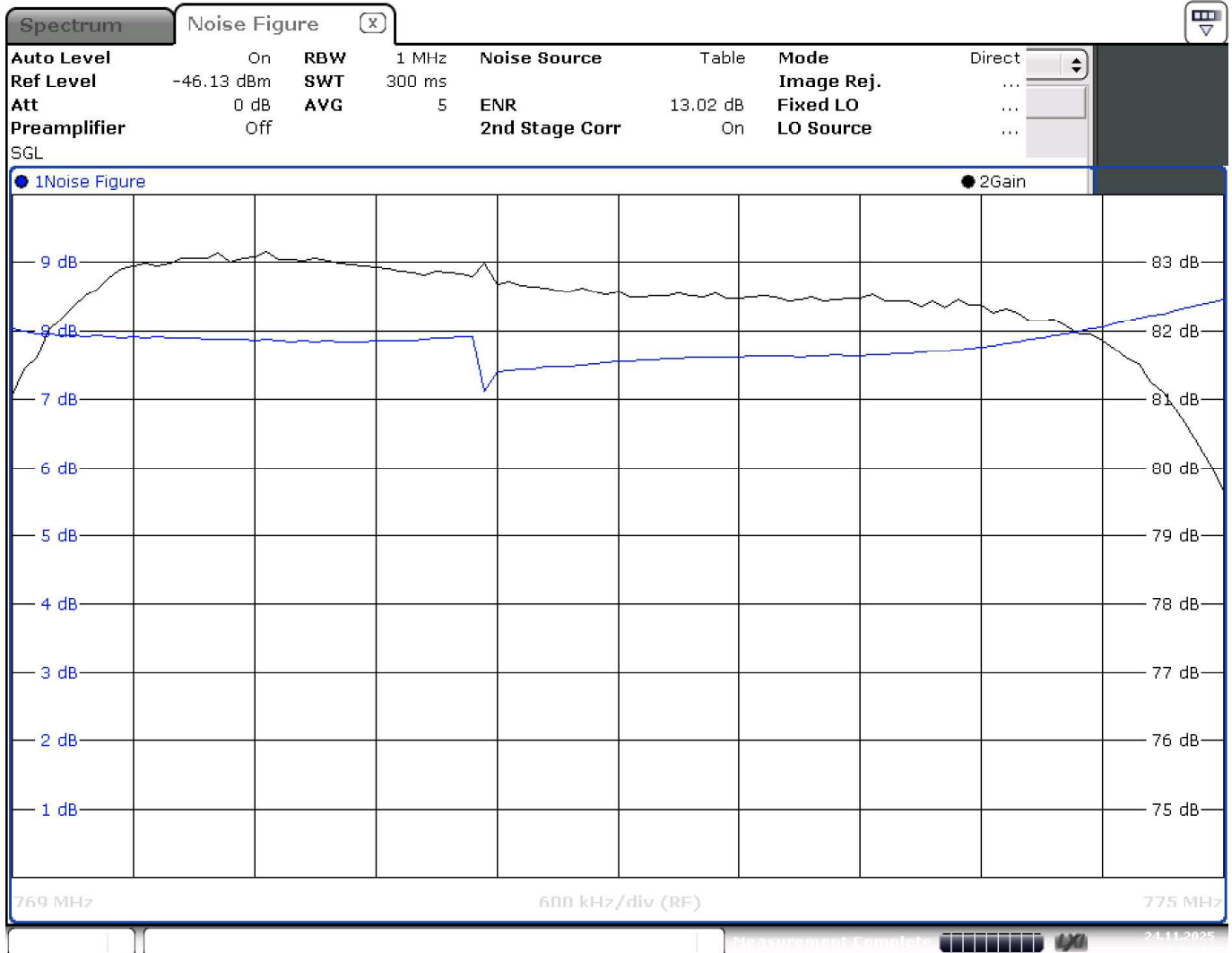
7.4 Test Data

Link type	Band	Noise figure (dB)	Limit, (dB)	Verdict
Downlink	769 – 775 MHz	7.81	< 9	PASS
Uplink	799 – 805 MHz	4.43	< 9	PASS
Uplink	806 – 816 MHz	4.44	< 9	PASS
Downlink	851 – 861 MHz	6.36	< 9	PASS

Note 1: Noise figure based on average across the entire band - based on 101 points

Note 2: Maximum peak measurement point did not exceed limit.

Worse Case Plot



Date: 24.NOV.2025 11:04:10

8 Conducted spurious emissions

8.1 Test Result

Test Description	Test reference	Test Result
Conducted Spurious Emissions	ANSI C63.26 FCC KDB 935210 D05	Pass

8.2 Test Method

Testing was performed according to KDB 935210 D05 Industrial Signal Boosters Section 4.7.3.

8.3 Test Equipment

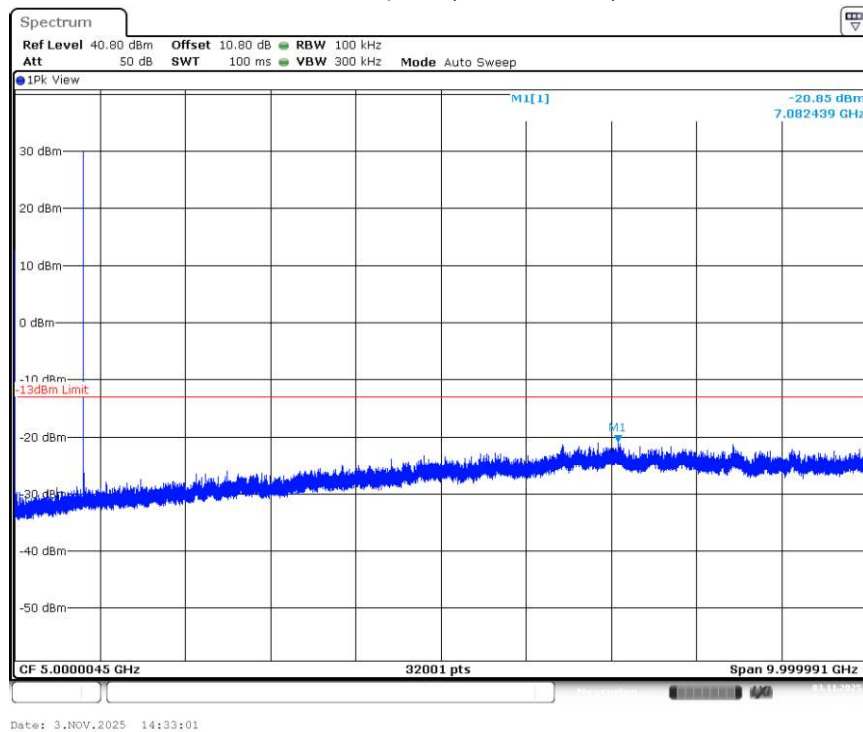
Test End Date: 3-Nov-2025

Tester: SGM

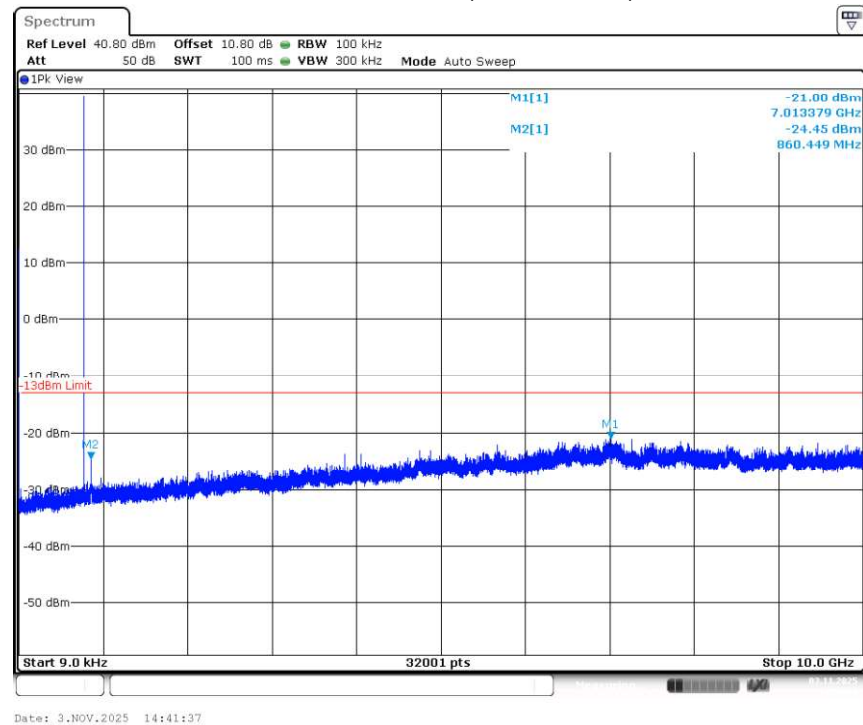
Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
RF CABLE SMA TO SMA, 0.01-40GHZ	084-0505-059	TELEDYNE STORM MICROWAVE	20109	3-Apr-2025	3-Apr-2026
RF CABLE, NM TO NM.	90-195-157	TELEDYNE STORM MICROWAVE	21019	17-Mar-2025	17-Mar-2026
ATTENUATOR, 10DB	BW-S10W20+	MINI-CIRCUITS	B095595	7-Jul-2025	7-Jul-2026
SIGNAL ANALYZER (TS8997)	FSV30	ROHDE & SCHWARZ	B085749	4-Mar-2025	4-Mar-2026
VECTOR SIGNAL GENERATOR (TS8997)	SMBV 100A	ROHDE & SCHWARZ	15002	3-Mar-2025	3-Mar-2028

8.4 Test Data – 700 MHz band

700MHz Uplink (9kHz-10GHz)

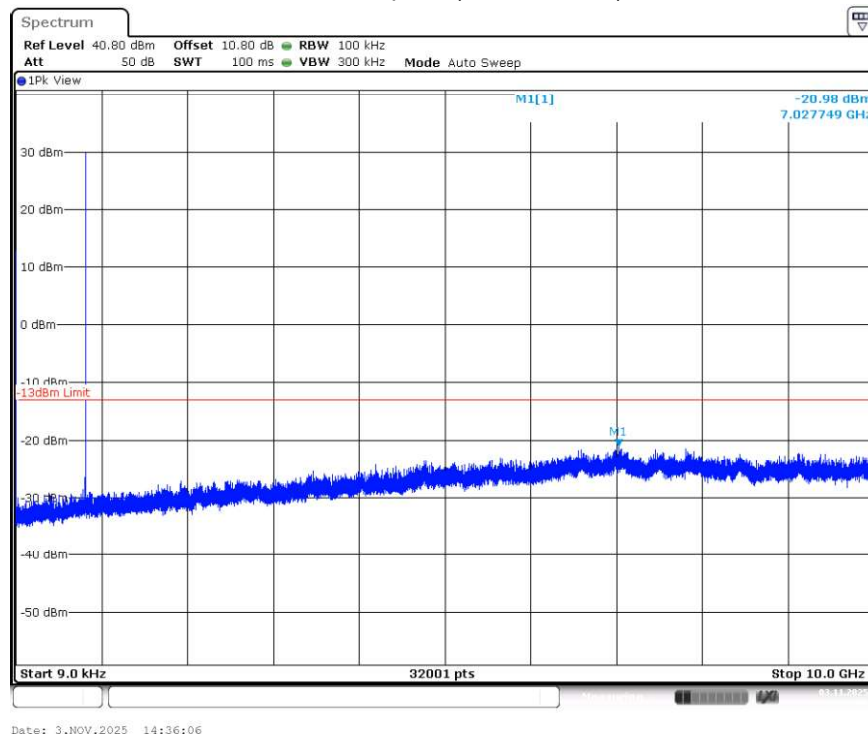


700MHz Downlink (9kHz-10GHz)

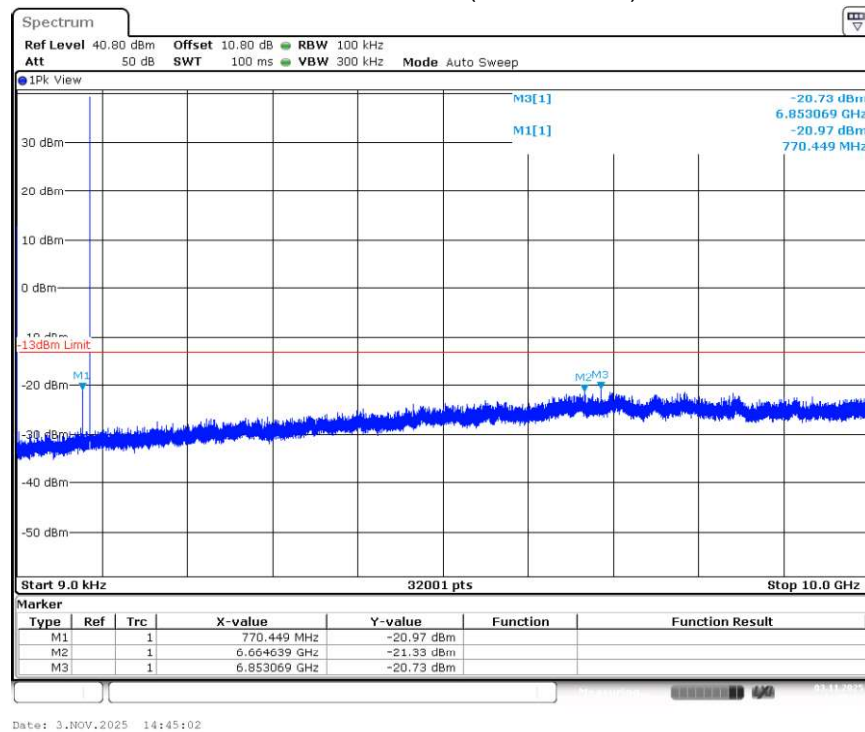


8.5 Test Data – 800 MHz band

800MHz Uplink (9kHz-10GHz)



800MHz Downlink (9kHz-10GHz)



9 Radiated spurious emissions measurements

9.1 Test Result

Test Description	Test reference	Test Result
Spurious emissions radiated measurements	ANSI C63.26 FCC KDB 935210 D05	Pass ¹

Note 1: There were no emissions detected within 20 dB of the limit.

9.2 Test Method

Testing was performed according to KDB 935210 D05 Industrial Signal Boosters Section 4.9.

Antenna port on the EUT was terminated for testing.

Limit: -13 dBm

9.3 Test Site

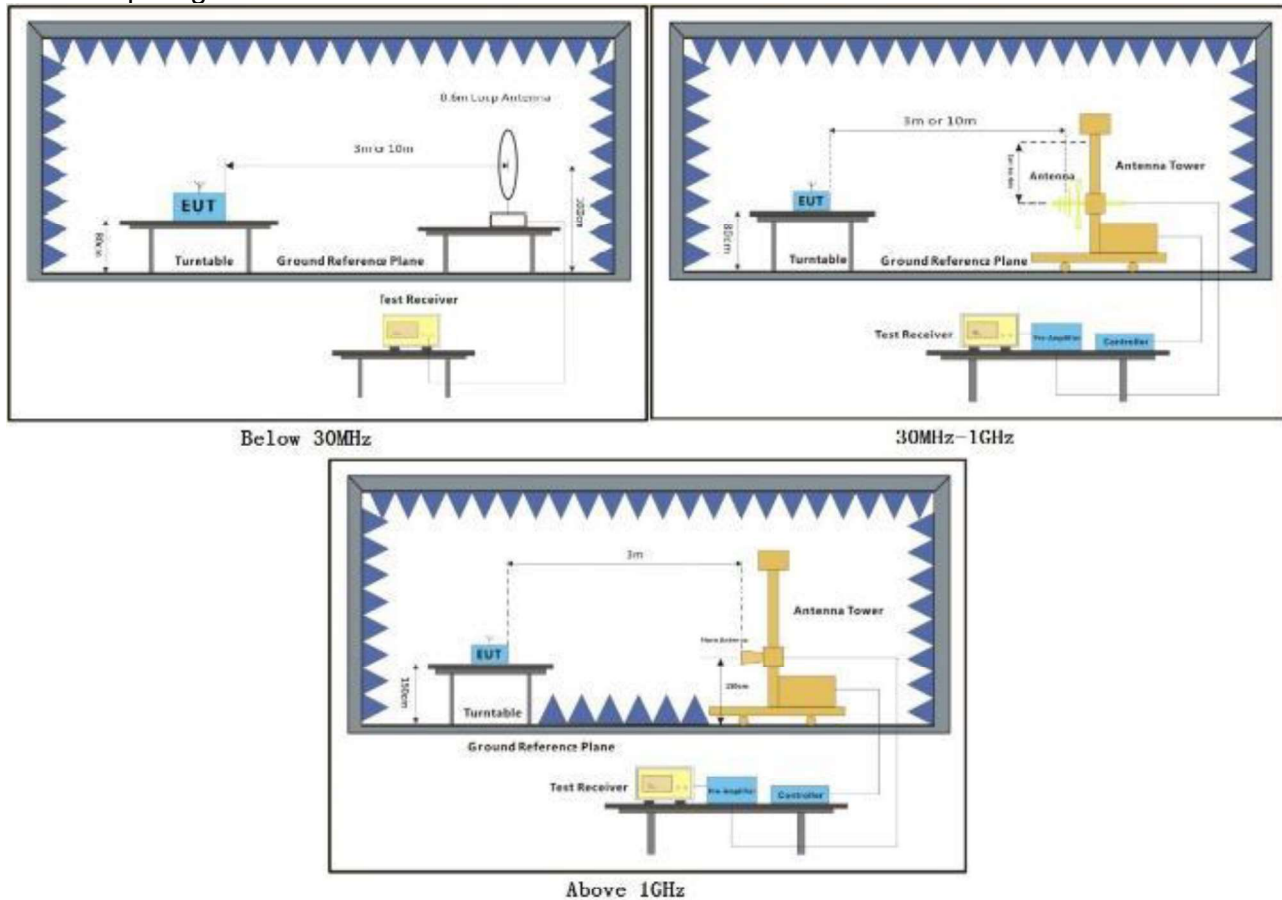
10 m Absorber Lined Shielded Enclosure (ALSE), Suwanee, GA

Environmental Conditions 30-1000MHz 1-10GHz

Temperature: 23.06 °C 21.93 °C

Relative Humidity: 31.6 % 41.3 %

Test setup diagrams



9.4 Test Equipment

9kHz-30MHz

Test End Date: 31-Oct-2025

Tester: SGM

Equipment	Model	Manufacturer	Asset Number	Cal Date	Cal Due Date
ANTENNA, LOOP, ACTIVE	6502	ETS LINDGREN	B085752	24-Mar-2024	24-Mar-2026
N to N RF Cable	EM-B810NM-276	ECHELON	24022	13-Nov-2025	13-Nov-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22032	2-Jan-2025	2-Jan-2026
NEAR FIELD PROBES	N/A	COM-POWER CORPORATION	16016	CNR	CNR

30-1000MHz

Test End Date: 31-Oct-2025

Tester: SGM, ZH

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
ANTENNA, BILOG	JB6	SUNOL	B079690	19-Apr-2024	19-Apr-2026
N to N RF Cable	EM-B810NM-276PA	ECHELON	25012	19-Sep-2025	19-Sep-2026
N to N RF Cable	EM-B810NM-276	ECHELON	25013	19-Sep-2025	19-Sep-2026
RF CABLE	104PE	HUBER & SUHNER	B079793	8-Aug-2025	8-Aug-2026
N to N RF Cable	RF280-06SP-06SP-2000	SAMTEC	23013	5-May-2025	5-May-2026
LOW NOISE AMPLIFIER	ZKL-2+	MINI-CIRCUITS	B079817	6-Aug-2025	6-Aug-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	14-Nov-2024	14-Nov-2025

1-10GHz

Test End Date: 30-Oct-2025

Tester: ZH

Equipment	Model	Manufacturer	Asset	Cal Date	Cal Due Date
ANTENNA, DRG HORN (MEDIUM)	3117	ETS LINDGREN	B079699	23-Jul-2024	23-Jul-2026
N to N RF Cable	EM-B810NM-276PA	ECHELON	25012	19-Sep-2025	19-Sep-2026
RF CABLE	SF106	HUBER & SUHNER	B085901	2-Sep-2025	2-Sep-2026
LOW NOISE AMPLIFIER	TS-PR18	ROHDE & SCHWARZ	15003	12-Jun-2025	12-Jun-2026
EMI TEST RECEIVER	ESW44	ROHDE & SCHWARZ	22027	14-Nov-2024	14-Nov-2025

Software:

"RSE 30-1000MHz T7 250729" TILE! profile dated 29 July 2025

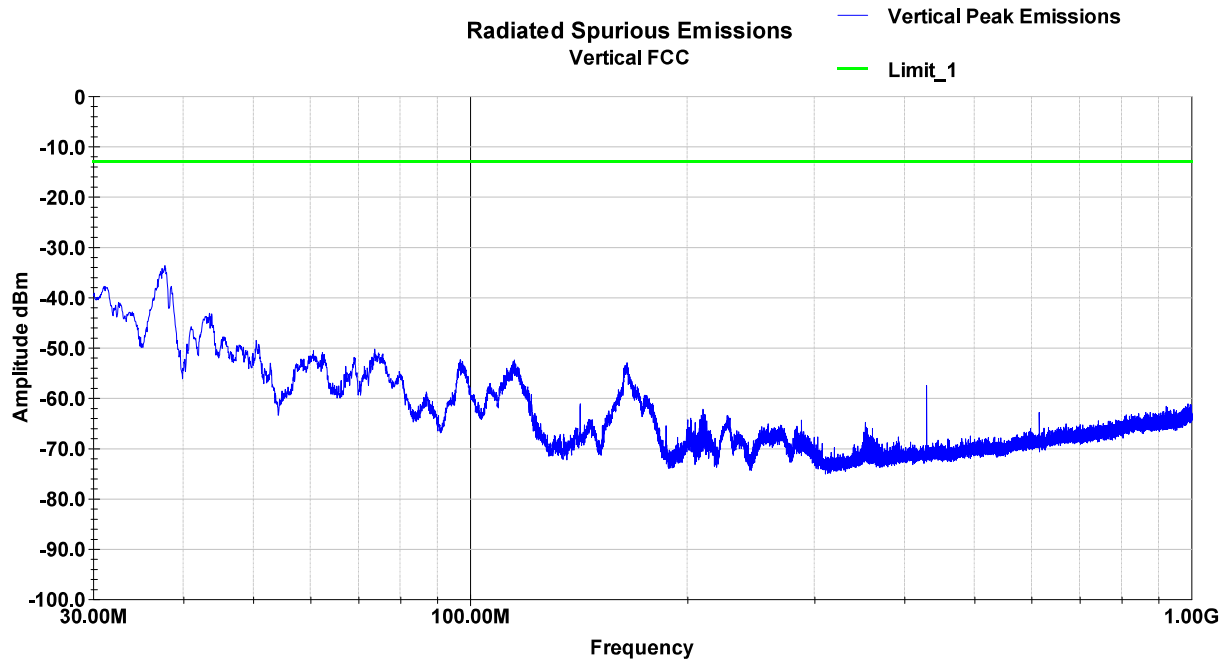
"RSE 1-40GHz 250929_Maturo " TILE! profile dated 29 Sept 2025

9.6 Test Data – 700 MHz downlink

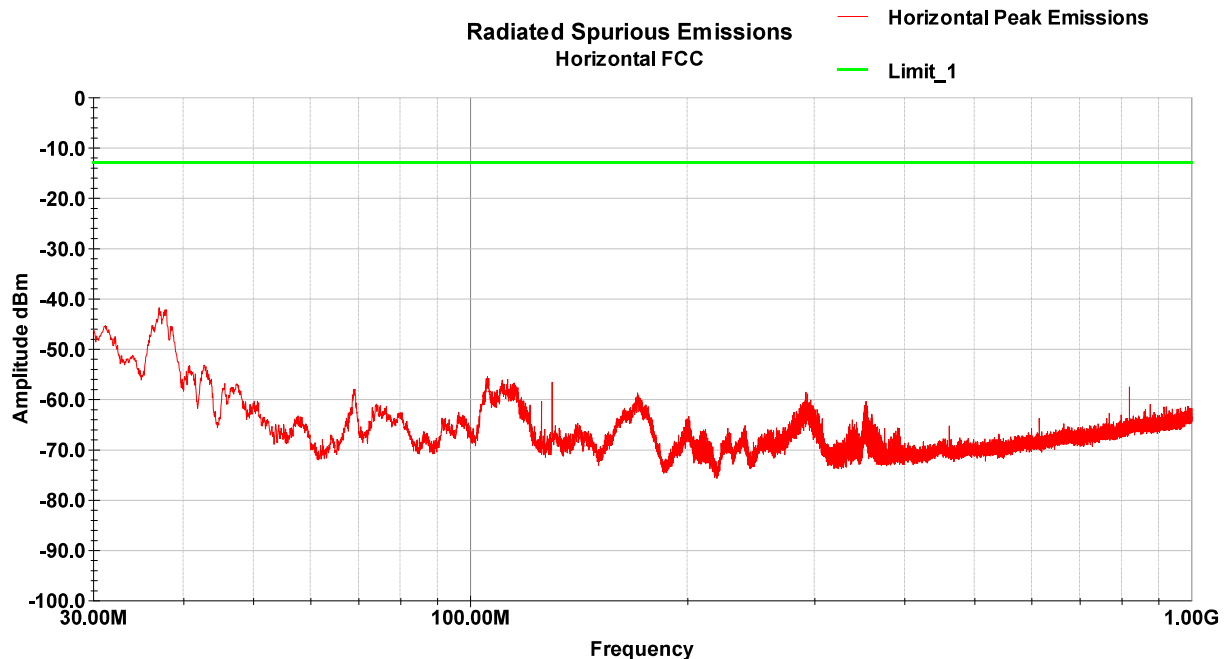
No spurious emissions within 20dB of the limit were detected below 30 MHz.

(700 MHz downlink) Tuned frequency: 769.64375

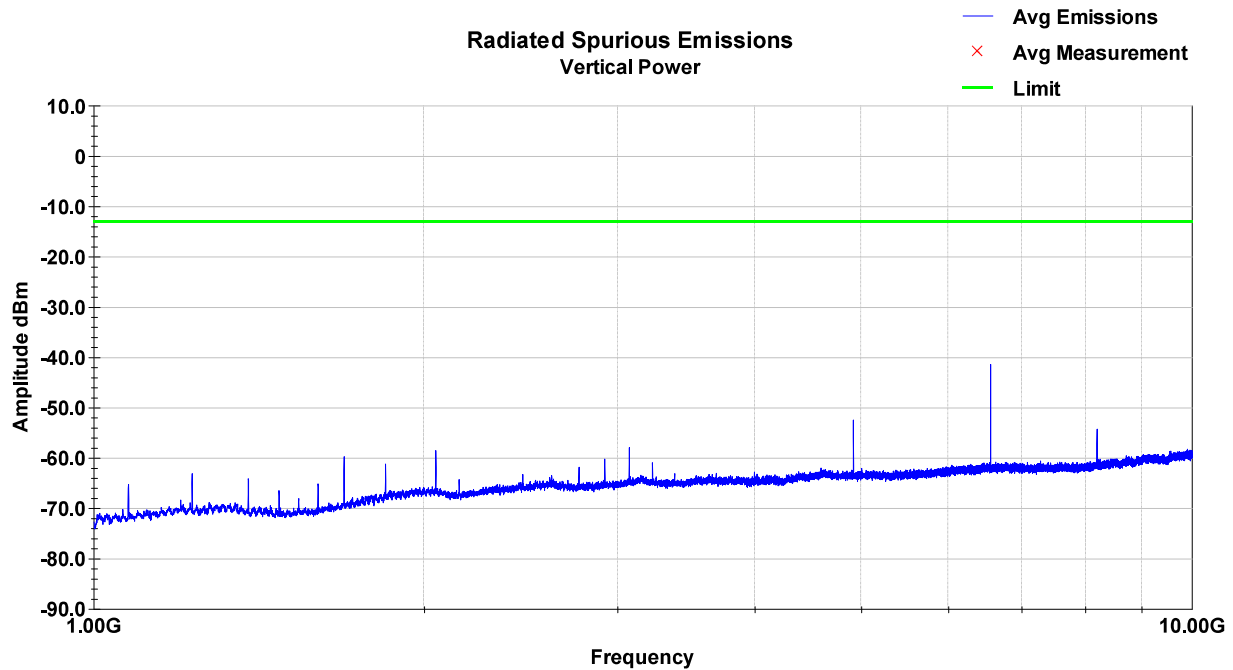
Vertical Radiated Spurious Emissions Plot (30-1000MHz)



Horizontal Radiated Spurious Emissions Plot (30-1000MHz)



Vertical Radiated Spurious Emissions Plot (1-10GHz)



Horizontal Radiated Spurious Emissions Plot (1-10GHz)

