



Test Report Serial Number:

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Test Report Date:

6 April 2026

Project Number:

1694

EMC Test Report - New Filing

Applicant:



President Electronics USA
1007 Collier Center Way
Naples, FL, 34110
USA

FCC ID:

2AEOCPC221

Product Model Number / HVIN

WALKER IV FCC

Product Name / PMN

WALKER IV FCC

In Accordance With:

FCC 47 CFR Part 95 Subpart D, Part 15 Subpart B
Licensed Non-Broadcast Station Transmitter (TNB)

Approved By:

Ben Hewson, President

Celltech Labs Inc.
21-364 Lougheed Rd.
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Canada



Test Lab Certificate: 2470.01



**Industry
Canada**

IC Registration 3874A



FCC Registration: 608310

MRA Designation: CA3874

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Table of Contents

1.0 REVISION HISTORY	5
2.0 APPLICANT AND DUT INFORMATION	6
3.0 SCOPE	7
4.0 TEST RESULT SUMMARY	8
5.0 NORMATIVE REFERENCES	10
6.0 FACILITIES AND ACCREDITATIONS	11
7.0 CONDUCTED POWER	12
8.0 MODULATION RESPONSE	21
9.0 OCCUPIED BANDWIDTH AND EMISSION MASKS	28
10 CONDUCTED OUT OF BAND SPURIOUS EMISSIONS	36
11.0 RADIATED SPURIOUS TX EMISSIONS	57
12.0 FREQUENCY STABILITY	68
13.0 RADIATED SPURIOUS RECEIVER (RX) EMISSIONS / RECEIVER TESTS	71
APPENDIX A – TEST SETUP DRAWINGS AND EQUIPMENT	77
APPENDIX B – EQUIPMENT LIST AND CALIBRATION	82
APPENDIX C – MEASUREMENT INSTRUMENT UNCERTAINTY	83
END OF REPORT	83

Table of Figures

Figure A.1 – Test Setup Conducted Measurements	77
Figure A.2 – Test Setup Audio Modulation Response Measurements	78
Figure A.3 – Test Setup Radiated Emissions Measurements Below 30MHz	79
Figure A.4 – Test Setup Radiated Emissions Measurements 30-1000MHz	80
Figure A.6 – Test Setup Frequency Stability Measurements	81

Table of Plots

Plot 7.1 – Conducted Output Power, Channel 1, AM, 4W.....	13
Plot 7.2 – Conducted Output Power, Channel 20, AM, 4W.....	14
Plot 7.3 – Conducted Output Power, Channel 40, AM, 4W.....	15
Plot 7.4 – Conducted Output Power, Channel 1, FM, 4W.....	16
Plot 7.5 – Conducted Output Power, Channel 20, FM, 4W.....	17
Plot 7.6 – Conducted Output Power, Channel 40, FM, 4W.....	18
Plot 8.1 – Audio Frequency and Low Pass Filter Response, AM.....	23
Plot 8.2 – Modulation Limiting Response, AM.....	24
Plot 8.3 – Audio Frequency and Low Pass Filter Response, FM.....	25
Plot 8.4 – Modulation Limiting Response, FM.....	26
Plot 8.5 – Modulation Limiting Response, FM (ANSI C63.26).....	27
Plot 9.1 – Occupied Bandwidth, Channel 1, AM.....	29
Plot 9.2 – Occupied Bandwidth, Channel 20, AM.....	30
Plot 9.3 – Occupied Bandwidth, Channel 40, AM.....	31
Plot 9.4 – Occupied Bandwidth, Channel 1, FM.....	32
Plot 9.5 – Occupied Bandwidth, Channel 20, FM.....	33
Plot 9.6 – Occupied Bandwidth, Channel 40, FM.....	34
Plot 10.1 – Conducted Out of Band Emissions, 20-50MHz, Channel 20, AM.....	37
Plot 10.2 – Conducted Out of Band Emissions, 50-100MHz, Channel 20, AM.....	38
Plot 10.3 – Conducted Out of Band Emissions, 100-200MHz, Channel 20, AM.....	39
Plot 10.4 – Conducted Out of Band Emissions, 200-400MHz, Channel 20, AM.....	40
Plot 10.5 – Conducted Out of Band Emissions, 400-600MHz, Channel 20, AM.....	41
Plot 10.6 – Conducted Out of Band Emissions, 600-800MHz, Channel 20, AM.....	42
Plot 10.7 – Conducted Out of Band Emissions, 800-1000MHz, Channel 20, AM.....	43
Plot 10.8 – Conducted Out of Band Emissions, 2 nd Harmonic, Channel 20, AM.....	44
Plot 10.9 – Conducted Out of Band Emissions, 3 rd Harmonic, Channel 20, AM.....	45
Plot 10.10 – Conducted Out of Band Emissions, 20-40MHz, Channel 20, FM.....	46
Plot 10.11 – Conducted Out of Band Emissions, 40-80MHz, Channel 20, FM.....	47
Plot 10.12 – Conducted Out of Band Emissions, 80-100MHz, Channel 20, FM.....	48
Plot 10.13 – Conducted Out of Band Emissions, 100-200MHz, Channel 20, FM.....	49
Plot 10.14 – Conducted Out of Band Emissions, 200-400MHz, Channel 20, FM.....	50
Plot 10.15 – Conducted Out of Band Emissions, 400-600MHz, Channel 20, FM.....	51
Plot 10.16 – Conducted Out of Band Emissions, 600-800MHz, Channel 20, FM.....	52
Plot 10.17 – Conducted Out of Band Emissions, 800-1000MHz, Channel 20, FM.....	53
Plot 10.18 – Conducted Out of Band Emissions, 2 nd Harmonic, Channel 20, FM.....	54
Plot 10.19 – Conducted Out of Band Emissions, 3 rd Harmonic, Channel 20, FM.....	55
Plot 11.1 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, without Accessories, Front.....	58
Plot 11.2 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, without Accessories, Side.....	59
Plot 11.3 – Radiated Spurious Emissions OATS, 30 - 1000MHz, without Accessories, Horizontal.....	60
Plot 11.4 – Radiated Spurious Emissions OATS, 30 - 1000MHz, without Accessories, Vertical.....	61
Plot 11.5 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, with Accessories, Front.....	63
Plot 11.6 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, with Accessories, Side.....	64
Plot 11.7 – Radiated Spurious Emissions OATS, 30 - 1000MHz, with Accessories, Horizontal.....	65
Plot 11.8 – Radiated Spurious Emissions OATS, 30 - 1000MHz, with Accessories, Vertical.....	66
Plot 13.1 – Radiated Rx Emissions OATS, 9kHz - 30MHz, Front.....	72
Plot 13.2 – Radiated Rx Emissions OATS, 9kHz - 30MHz, Side.....	73
Plot 13.3 – Radiated Spurious Emissions OATS, 30 - 1000MHz, Horizontal.....	74
Plot 13.4 – Radiated Spurious Emissions OATS, 30 - 1000MHz, Vertical.....	75

Table of Tables

Table 7.1 – Summary of Conducted Power Measurements (RMS), 4W	19
Table 7.2 – Compliance to §2.1033(c)(8) – 13.8VDC, AM, FM	20
Statement - Compliance to §95.977	22
Table 9.1 - Summary of Occupied Bandwidth and Emission Mask Results	35
Table 10.1 – Summary of Conducted Out of Band Emissions	56
Table 11.1 – Summary of Radiated Tx Emissions, without Accessories	62
Table 11.2 – Summary of Radiated Tx Emissions, with Accessories	67
Table 13.1 – Summary of Frequency Stability Results (AM)	69
Table 13.2 – Summary of Frequency Stability Results (FM)	70
Table 13.1 – Summary of Radiated Receiver (Rx) Emissions	76
Table A.1 – Setup - Conducted Measurements Equipment	77
Table A.2 – Setup - Audio Modulation Equipment	78
Table A.3 – Setup - Radiated Emissions Equipment	79
Table A.4 – Setup - Frequency Stability Measurement Equipment	81

1.0 REVISION HISTORY

Revision History				
Samples Tested By:		Date(s) of Evaluation:		
Report Prepared By:		Report Reviewed By:		
Report Revision	Description of Revision	Revised Section	Revised By	Revision Date
1.0	Initial Release	n/a	Art Voss	25 March 2026
2.0	Revised Cover to include FCC Reg. Number	n/a	Art Voss	6 April 2026

2.0 APPLICANT AND DUT INFORMATION

Client Information		
Applicant Name (FCC)	President Electronics USA	
Applicant Address (FCC)	1007 Collier Center Way	
	Naples, FL, 34110	
	USA	
DUT Information		
Device Identifier(s):	FCC ID:	2AEOCPC221
Device Type:	Mobile 4W AM / FM CBRS Transceiver	
Device Model(s) / HVIN:	WALKER IV FCC	
Device Marketing Name / PMN:	WALKER IV FCC	
Firmware Version ID Number / FVIN:	-	
Host Marketing Name / HMN:	-	
Test Sample Serial No.:	TA Sample No. 2	
Equipment Class (FCC):	Licensed Non-Broadcast Station Transmitter (TNB)	
Transmit Frequency Range:	26.965MHz - 27.405MHz	
Test Channels:	40 Channels	
Manuf. Max. Rated Output Power:	4W (36dBm) DSB	
Manuf. Max. Rated BW/Data Rate:	8kHz DSB	
Antenna Make and Model:	n/a	
Antenna Type and Gain:	0dBi (Typical), 3dBi (Max)	
Modulation:	AM / FM	
Mode:	Simplex	
Receiver Frequency Range (MHz):	CBRS: 26.965 - 27.405MHz	
	Wx: 162.40 - 162.55 MHz	
DUT Power Source:	12VDC	
DUT Dimensions [WxLxH]	215mm x 185mm x55mm	
Deviation(s) from standard/procedure:	None	
Modification of DUT:	None	

3.0 SCOPE

Preface:

This Certification Report was prepared on behalf of:

President Electronics USA

„(the 'Applicant'), in accordance with the applicable Federal Communications Commission (FCC) CFR 47 and Innovation, Scientific and Economic Development (ISED) Canada rules parts and regulations (the 'Rules'). The scope of this investigation was limited to only the equipment, devices and accessories (the 'Equipment') supplied by the Applicant. The tests and measurements performed on this Equipment were only those set forth in the applicable Rules and/or the Test and Measurement Standards they reference. The Rules applied and the Test and Measurement Standards used during this evaluation appear in the Normative References section of this report. The limits set forth in the technical requirements of the applicable Rules were applied to the measurement results obtained during this evaluation and ,unless otherwise noted, these limits were used as the Pass/Fail criteria. The Pass/Fail statements made in this report apply to only the tests and measurements performed on only the Equipment tested during this evaluation. Where applicable and permissible, information including test and measurement data and/or results from previous evaluations of same or similar equipment, devices and/or accessories may be cited in this report.

Device Description:

The WALKER IV FCC FCC is Mobile 4W AM / FM CBRS Transceiver.

Application:

This is an application for a New Certification, Single.

Regulatory Requirement:

As per FCC 47 CFR 2 Subpart I , Equipment Authorization is require for this Equipment by means of Certification in accordance with FCC 47 CFR §95 Subpart D, (CBRS), and ANSI C63.26.

Scope of Work:

The scope of this investigation is limited only to the evaluation of the WALKER IV FCC to determine compliance to the Rules identified herein.

RF Exposure:

The WALKER IV FCC is a mobile transceiver. As per FCC 47 CFR §2.1091, an RF Exposure (MPE) evaluation is required for this Equipment and the results of the RF Exposure (MPE) evaluation appear in a separate report.

4.0 TEST RESULT SUMMARY

TEST SUMMARY					
Referenced Standard(s):		FCC CFR Title 47 Parts 2, 95D, 15B			
Section	Description of Test	Procedure Reference	Applicable Rule Part(s) FCC	Test Date	Result
7.0	Conducted Power (Fundamental) Compliance to §2.1033(c)(8)	ANSI/TIA/EIA-382-A	§2.1046	16 Mar 2026	Complies
		ANSI/TIA-603-E			
		ANSI C63.26:2015	§2.1033(c)(8)		
		ANSI C63.4:2014	§95.967		
8.0	Modulation Response	ANSI/TIA/EIA-382-A	§2.1047	17 Mar 2026	Complies
		ANSI/TIA-603-E			
		ANSI C63.26:2015	§95.975		
		ANSI C63.4:2014	§95.977		
9.0	Occupied Bandwidth	ANSI/TIA/EIA-382-A	§2.1049	18 - 23 Mar 2026	Complies
		ANSI C63.26:2015			
	Emission Mask	ANSI C63.4:2014	§95.973	18 - 23 Mar 2026	Complies
		ANSI/TIA/EIA-382-A	§2.1049		
10.0	Conducted TX Spurious Emissions	ANSI C63.26:2015	§2.1051	23 Mar 2026	Complies
		ANSI/TIA/EIA-382-A			
		ANSI C63.4:2014	§95.979		
11.0	Radiated TX Spurious Emissions	ANSI/TIA/EIA-382-A	§2.1053	26 Mar 2026	Complies
		ANSI C63.26:2015			
		ANSI C63.4:2014	§95.979		
12.0	Frequency Stability	ANSI/TIA/EIA-382-A	§2.1055	24 Mar 2026	Complies
		ANSI C63.26:2015			
		ANSI C63.4:2014	§95.965		
13.0	Radiated Receiver Emissions	ANSI C63.26:2015	§15 Subpart B	26 Mar 2026	Complies
		ANSI C63.4:2014	§15.109(d)		

Test Station Day Log

Date	Ambient Temp (°C)	Relative Humidity (%)	Barometric Pressure (kPa)	Test Station	Tests Performed Section(s)
16 Mar 2026	23.5	26	101.8	EMC	7
17 Mar 2026	23.6	26	101.2	EMC	8
18 Mar 2026	22.9	31	101.1	EMC	9
23 Mar 2026	23.3	25	102.2	EMC	9, 10
24 Mar 2026	18.5	27	100.9	TC	13
26 Mar 2026	6.0	39	102.0	OATS	11, 12

EMC - EMC Test Bench

OATS - Open Area Test Site

LISN - LISN Test Area

IMM - Immunity Test Area

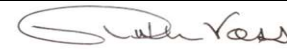
SAC - Semi-Anechoic Chamber

TC - Temperature Chamber

ESD - ESD Test Bench

RI - Radiated Immunity Chamber

I attest that the data reported herein is true and accurate within the tolerance of the Measurement Instrument Uncertainty; that all tests and measurements were performed in accordance with accepted practices or procedures; and that all tests and measurements were performed by me or by trained personnel under my direct supervision. The results of this investigation are based solely on the test sample(s) provided by the client which were not adjusted, modified or altered in any manner whatsoever, except as required to carry out specific tests or measurements. This test report has been completed in accordance with ISO/IEC 17025.



Art Voss, P.Eng.
Technical Manager
Celltech Labs Inc.

26 March 2026

Date



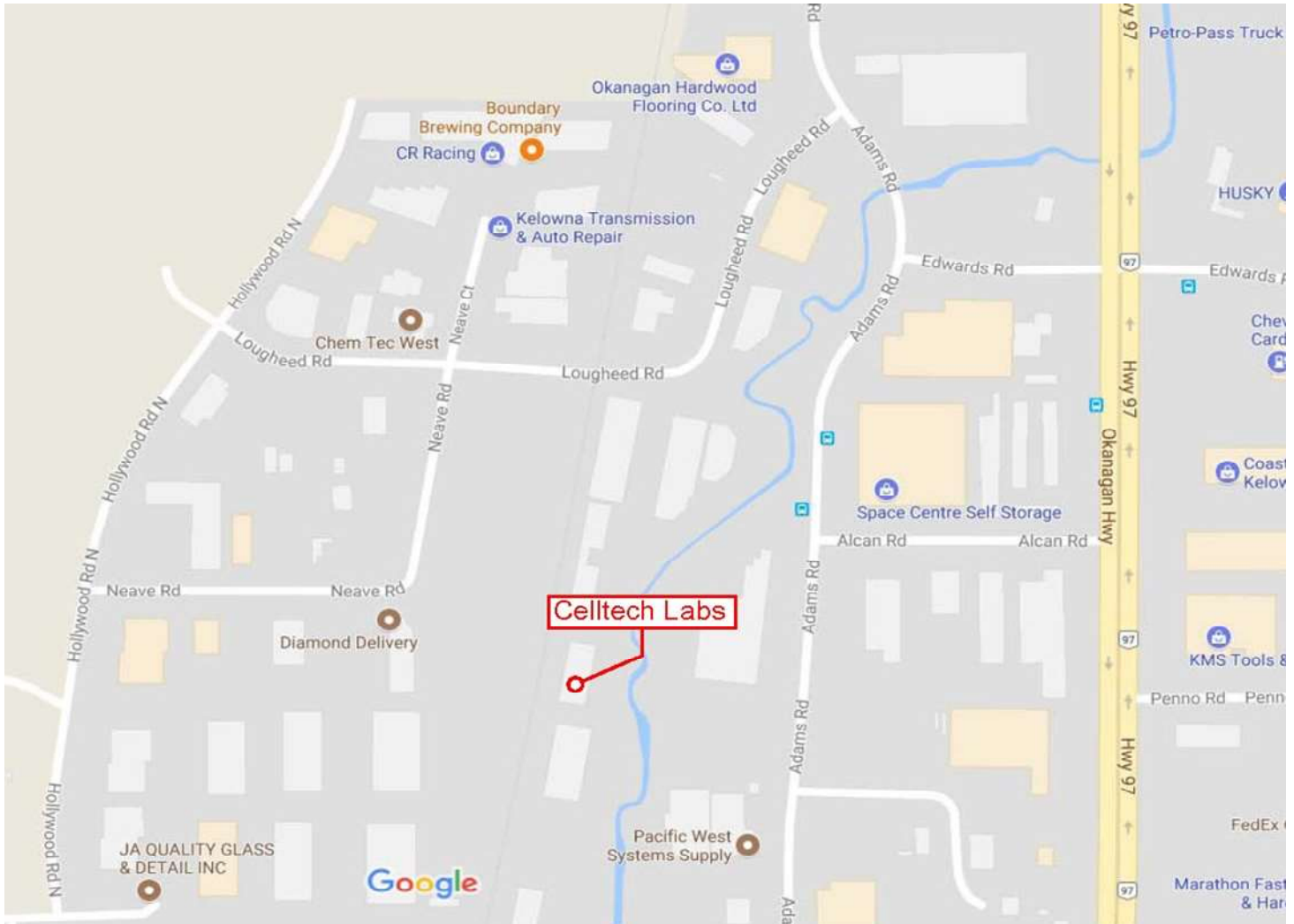
5.0 NORMATIVE REFERENCES

Normative References	
ISO/IEC 17025:2017	General requirements for the competence of testing and calibration laboratories
ANSI C63.4-2014	American National Standard of Procedures for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electric and Electronic Equipment in the Range of 9kHz to 40GHz
ANSI C63.26-2015	American National Standard of Procedures for Compliance Testing of Transmitters Used in Licensed Radio Services
ANSI/TIA-382-A	Minimum Standards - Citizens Band Radio Service Amplitude Modulated (AM) Transceivers Operating in the 27 MHz Band (Revision of EIA-382)
ANSI/TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards (Revision of TIA-603-D)
CFR	Code of Federal Regulations Title 47: Telecommunication Part 2: Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
CFR	Code of Federal Regulations Title 47: Telecommunication Part 2: Frequency Allocations and Radio Treaty Matters; General Rules and Regulations Subpart (2.1091): Radiofrequency radiation exposure evaluation: mobile devices.
CFR	Code of Federal Regulations Title 47: Telecommunication Part 15: Radio Frequency Devices Subpart B: Unintentional Radiators
CFR	Code of Federal Regulations Title 47: Telecommunication Part 95: Personal Radio Service Subpart D: Citizens Band Radio Service (CBRS)

6.0 FACILITIES AND ACCREDITATIONS

Facility and Accreditation:

The facilities used to evaluate this device outlined in this report are located at 21-364 Loughheed Road, Kelowna, British Columbia, Canada V1X 7R8. The radiated emissions site (OATS) conforms to the requirements set forth in ANSI C63.4 and is filed and listed with the FCC under Test Firm Registration Number CA3874 and Industry Canada under Test Site File Number IC 3874A. Celltech is accredited to ISO 17025, through accrediting body A2LA and with certificate 2470.01.



7.0 CONDUCTED POWER

Test Procedure

Normative Reference	FCC 47 CFR §2.1046, §2.1033(c)(8), §95.967, RSS-236 EIA/TIA-382-A, TIA-603-E
----------------------------	--

Limits

47 CFR §95.967	(a) When transmitting amplitude modulated (AM) voice signals or frequency modulated (FM) voice signals, the mean carrier power must not exceed 4 Watts.
RSS-236 4.6	The transmitter output power shall not exceed 4.0 watts for a DSB or FM signals.

General Procedure

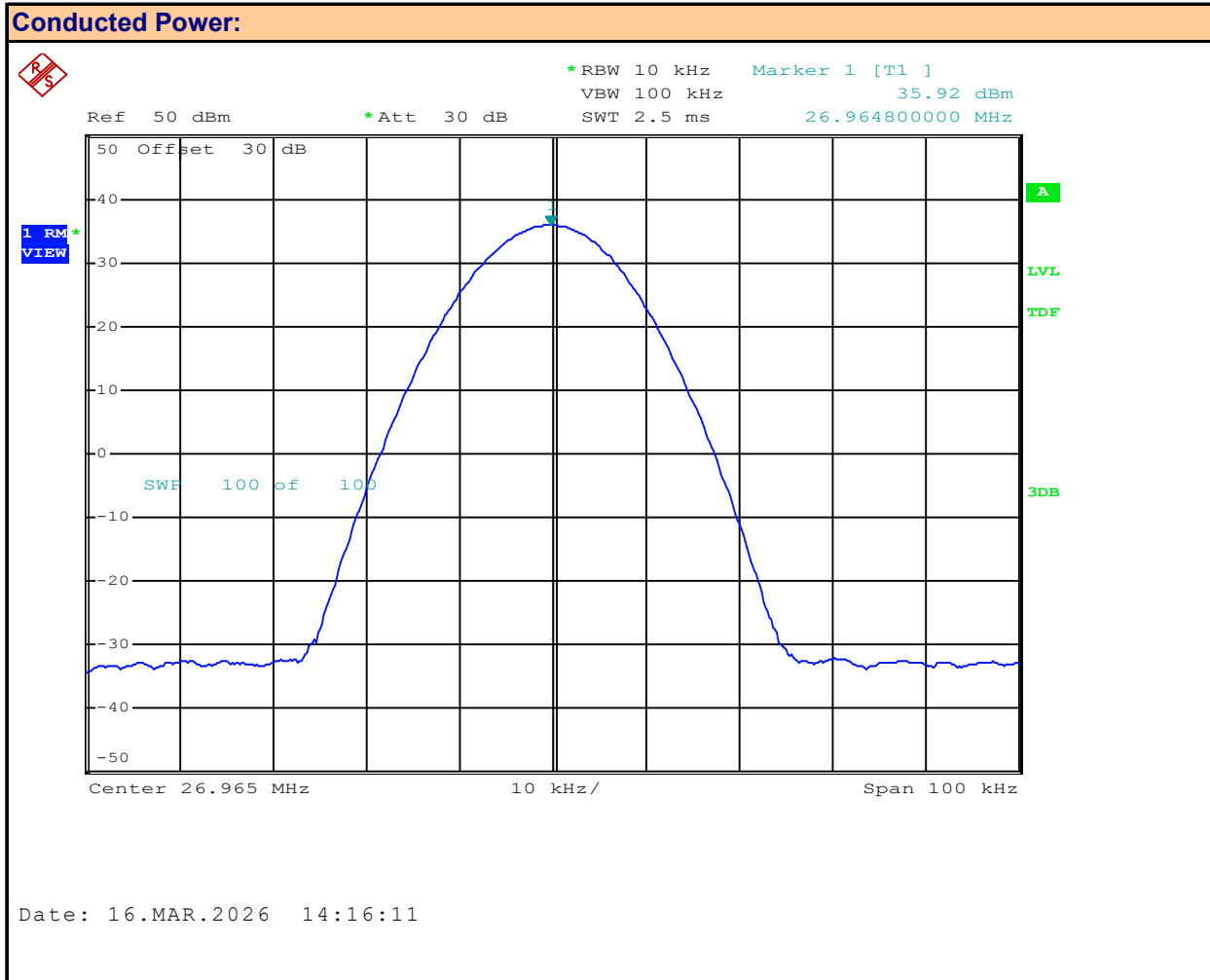
EIA/TIA-382-A	19. TRANSMITTER CARRIER POWER OUTPUT Transmitter Carrier Power Output for this service is the power (rms) available at the output terminals of the transmitter when the output terminals are connected to a standard output load. This measurement shall be performed without modulation, at standard test. conditions.
TIA-603-E	2.2.1 Conducted Carrier Output Power Rating The conducted carrier power output rating for a transmitter is the power available at the output terminals of the transmitter when the output terminals are connected to the standard transmitter load.

Test Setup	Appendix A - Figure A.1
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Measurement Procedure

The DUT was connected to a Spectrum Analyzer (SA) via a 30dB attenuator connected to the DUT's antenna port. The SA was configured as above using the Automatic 6dB Cursor Bandwidth measurement. The output power of the DUT was set to the manufacturer's highest output power setting at the Low, Mid and High frequency channels as permitted by the device. The DUT was set to transmit at its maximum Duty Cycle.

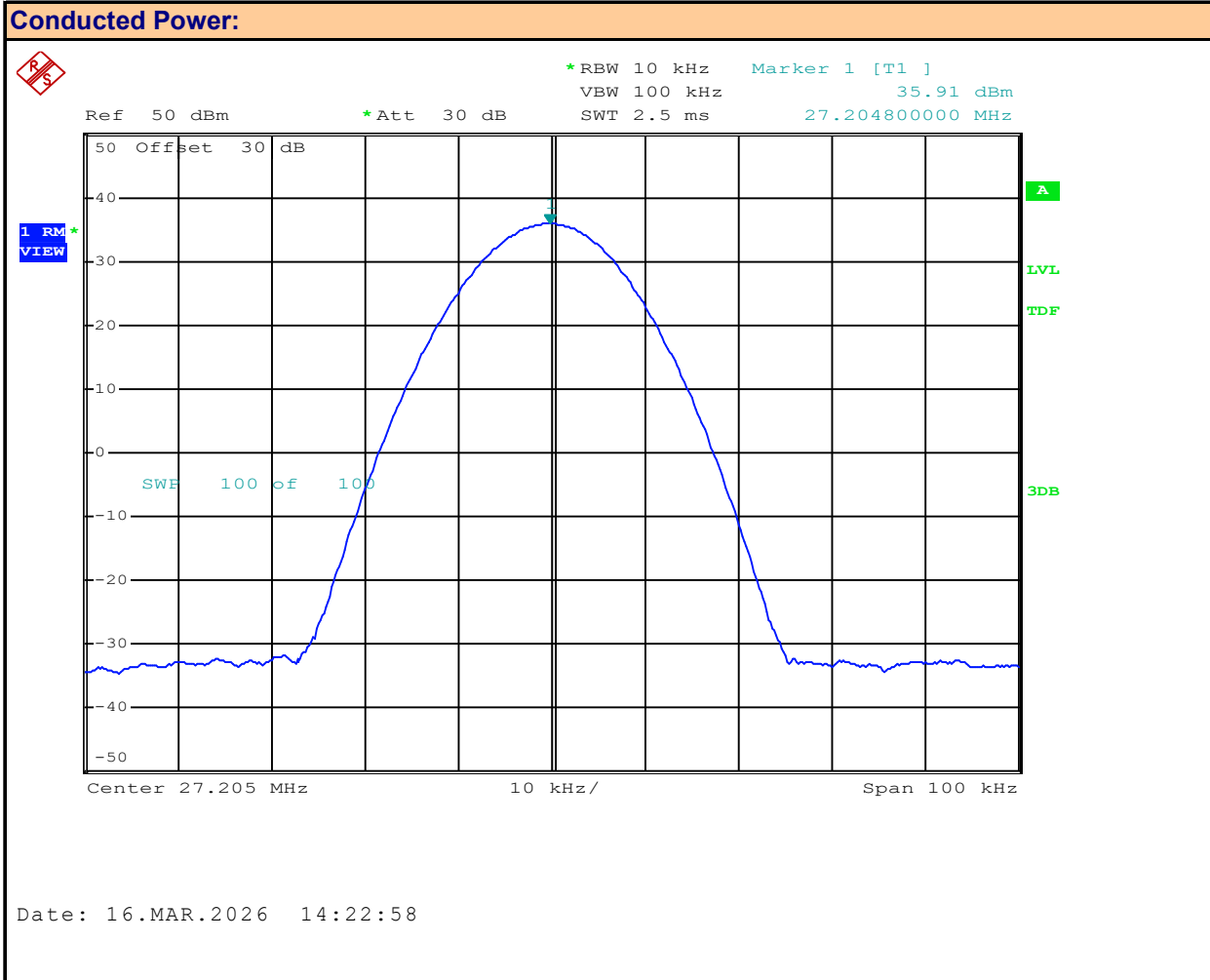
Plot 7.1 – Conducted Output Power, Channel 1, AM, 4W



Channel: **1**
Mode: **AM**

Channel Frequency: **26.965** MHz
Modulation: **AM**
Measured Power: **35.92** dBm

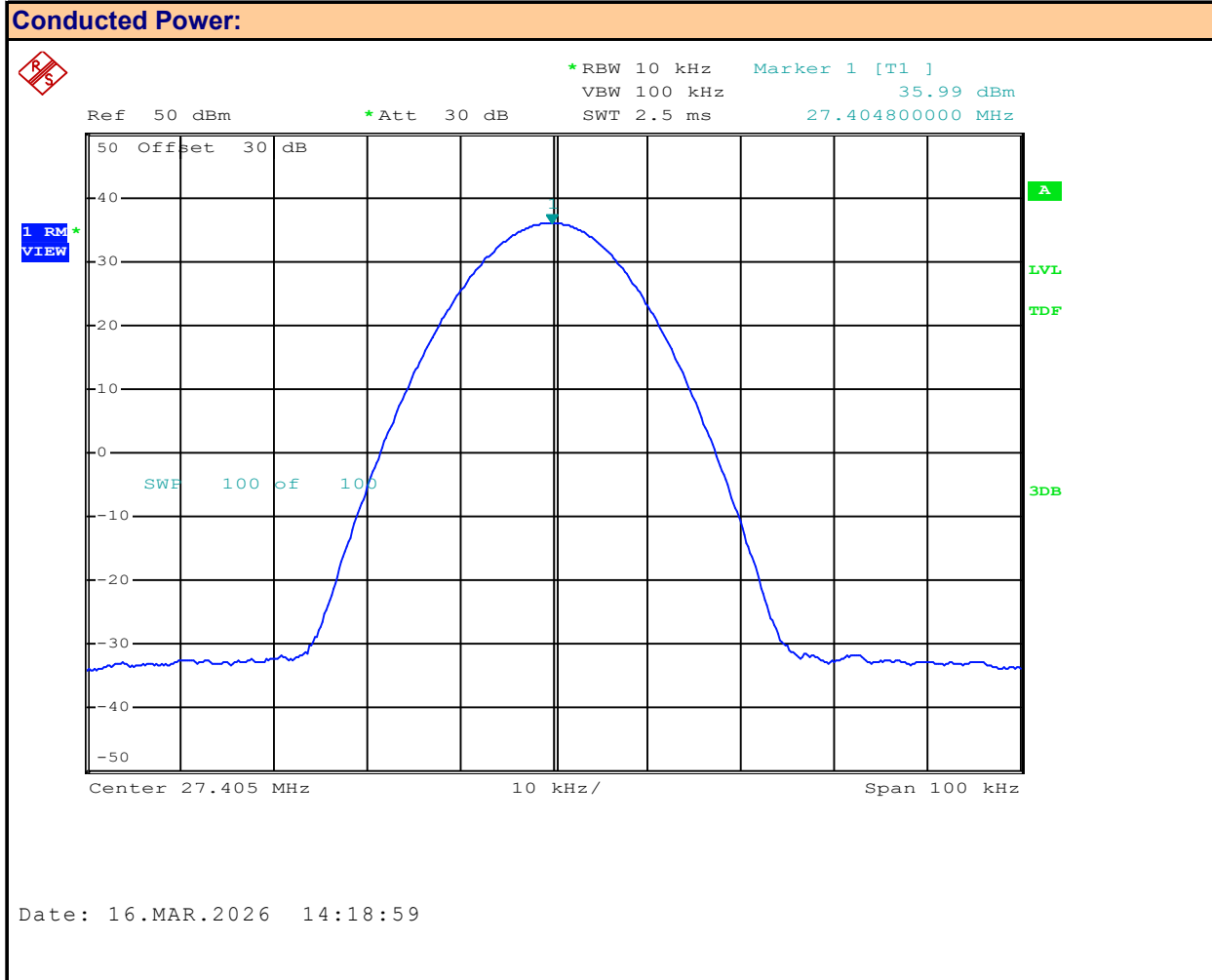
Plot 7.2 – Conducted Output Power, Channel 20, AM, 4W



Channel: **20**
Mode: **AM**

Channel Frequency: **27.205** MHz
Modulation: **AM**
Measured Power: **35.91** dBm

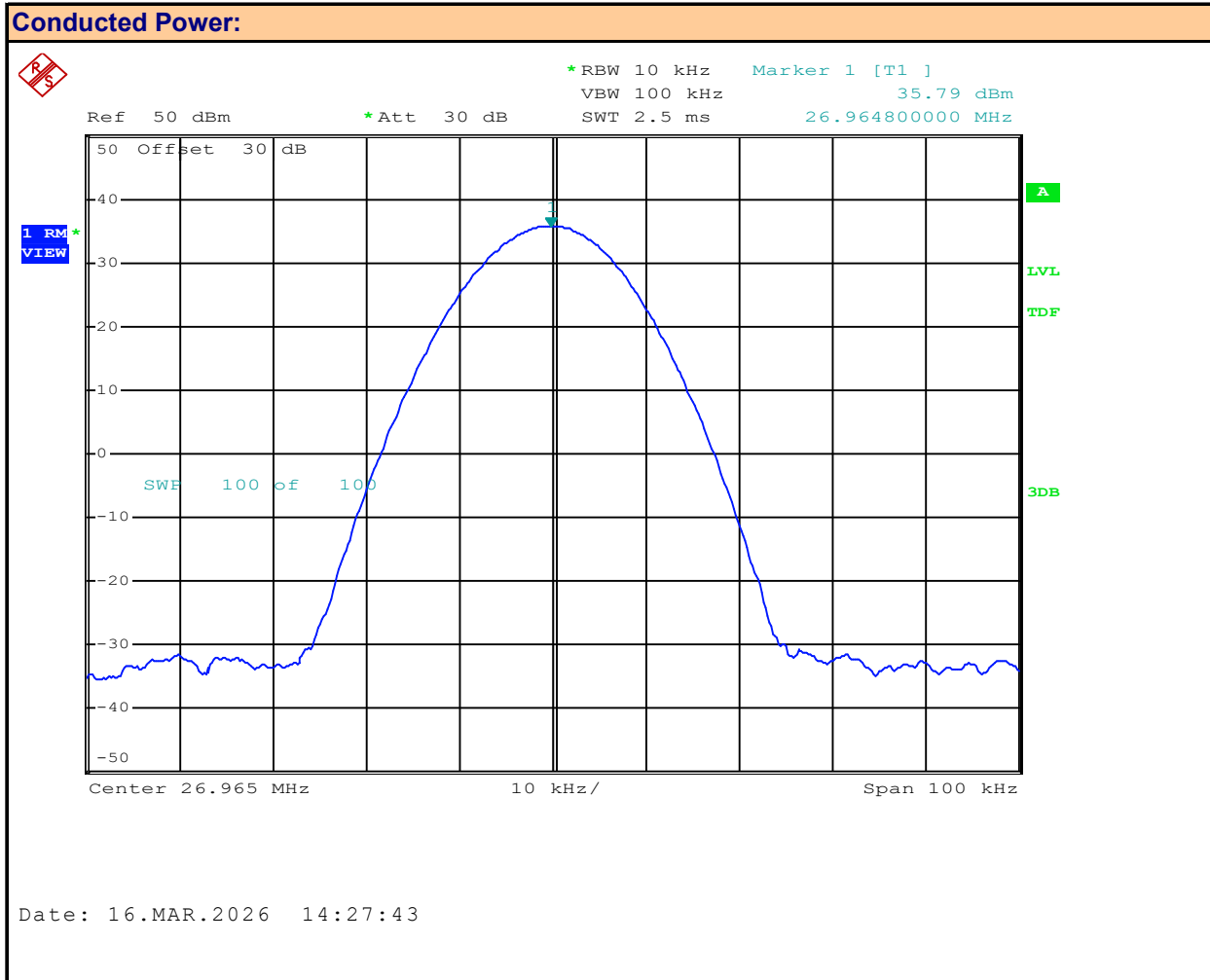
Plot 7.3 – Conducted Output Power, Channel 40, AM, 4W



Channel: **40**
Mode: **AM**

Channel Frequency: **27.405** MHz
Modulation: **AM**
Measured Power: **35.99** dBm

Plot 7.4 – Conducted Output Power, Channel 1, FM, 4W

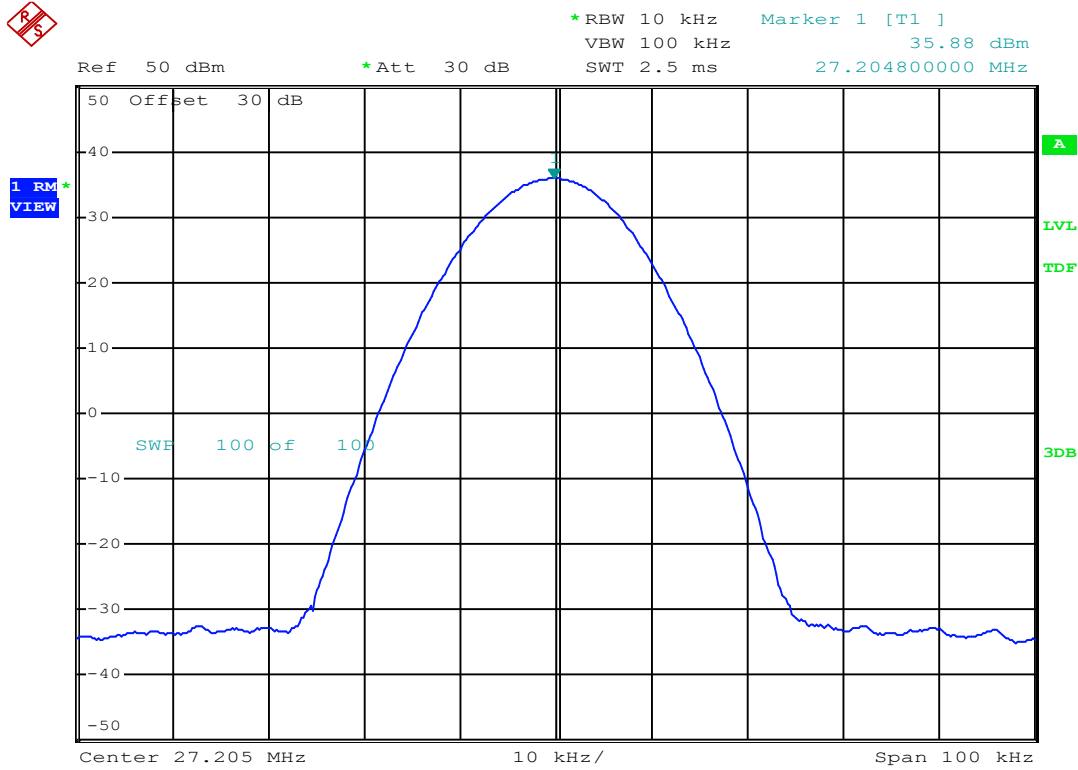


Channel: **1**
Mode: **FM**

Channel Frequency: **26.965** MHz
Modulation: **FM**
Measured Power: **35.79** dBm

Plot 7.5 – Conducted Output Power, Channel 20, FM, 4W

Conducted Power:

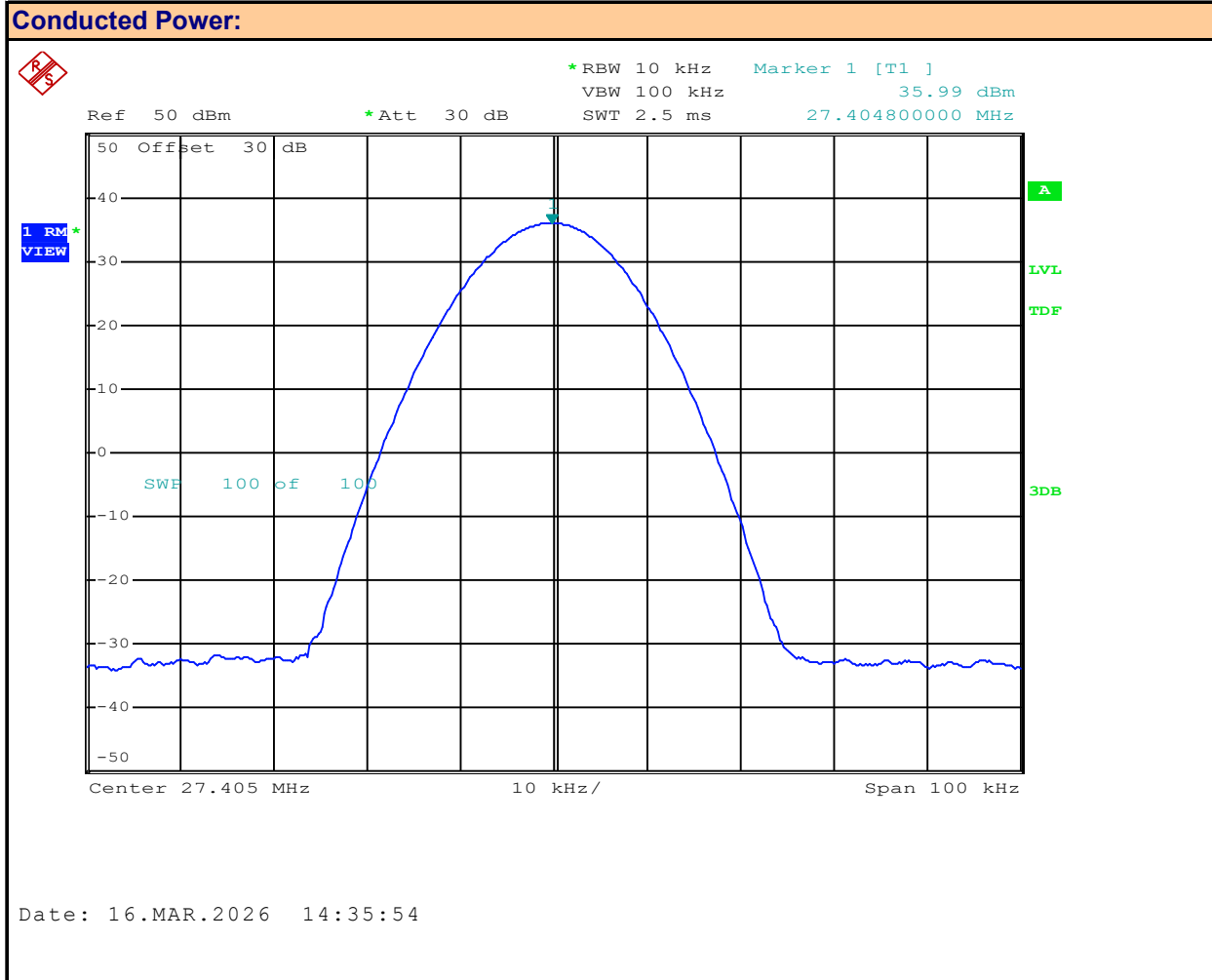


Date: 16.MAR.2026 14:26:12

Channel: **20**
Mode: **FM**

Channel Frequency: **27.205** MHz
Modulation: **FM**
Measured Power: **35.88** dBm

Plot 7.6 – Conducted Output Power, Channel 40, FM, 4W



Channel: **40**
Mode: **FM**

Channel Frequency: **24.405** MHz
Modulation: **FM**
Measured Power: **35.99** dBm

Table 7.1 – Summary of Conducted Power Measurements (RMS), 4W

Conducted Power Measurement Results (4W):						
Channel Number	Channel Frequency (MHz)	Mode	Modulation	Measured Power [P _{Meas}] (dBm)	Limit [P _{Lim}] (dBm)	Margin (dB)
1	26.965	AM	AM	35.92	36	0.08
20	27.205			35.91		0.09
40	27.405			35.99		0.01
1	26.965	FM	FM	35.79		0.21
20	27.205			35.88		0.12
40	24.405			35.99		0.01
Result:					Complies	

Conducted Margin = $P_{Limit} - P_{Meas}$

Table 7.2 – Compliance to §2.1033(c)(8) – 13.8VDC, AM, FM

FCC CFR 47 §2.1033(c)(8): Power to Transmitter: AM (4W)	
Supply Voltage:	V = 13.80 VDC
Measured Receiver Current:	IRx = 0.29 A
Measured Total Current:	ITx = 2.41 A
Transmitter Current (ITx - IRx):	IXmitter = 2.12 A
Power to Transmitter:	PTx = 13.80 VDC X 2.12 A = 29.26 W
Result:	Complies

FCC CFR 47 §2.1033(c)(8): Power to Transmitter: FM (4W)	
Supply Voltage:	V = 13.80 VDC
Measured Receiver Current:	IRx = 0.29 A
Measured Total Current:	ITx = 2.31 A
Transmitter Current (ITx - IRx):	IXmitter = 2.02 A
Power to Transmitter:	PTx = 13.80 VDC X 2.02 A = 27.88 W
Result:	Complies

8.0 MODULATION RESPONSE

Test Conditions

Normative Reference FCC 47 CFR §2.1047, §95.975

Limits

47 CFR §2.1047	a) Voice modulated communication equipment. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.
47 CFR §95.975	Each CBRS transmitter type must be designed such that the modulation characteristics are in compliance with the rules in this section. (a) When emission type A3E is transmitted with voice modulation, the modulation percentage must be at least 85%, but not more than 100%. (b) When emission type A3E is transmitted by a CBRS transmitter having a transmitter output power of more than 2.5 W, the transmitter must contain a circuit that automatically prevents the modulation percentage from exceeding 100%. (c) When emission type F3E is transmitted the peak frequency deviation shall not exceed ± 2 kHz.
RSS-236 4.9	When emission type A3E is transmitted by a CB transmitter having a total power of greater than 2.5 W, the CB transmitter must automatically prevent the modulation from exceeding 100%. When emission type F3E is transmitted by a CB transmitter the peak frequency deviation shall not exceed ± 2 kHz.

Measurement Procedure

TIA 382 25.2	Transmitter Audio Frequency Response Operate the transmitter under standard test conditions and monitor the output with a modulation monitor or calibrated test receiver. The audio input signal applied through a suitable impedance matching network, as specified by the manufacturer, shall be adjusted to obtain 50% modulation at the maximum audio frequency response of the transmitter, and this point shall be taken as the 0 dB reference level. Vary the modulating frequency from 100 Hz to 10,000 Hz and record the input levels necessary to maintain a constant 50% modulation. Graph the audio level in dB relative to the 0 dB reference level as a function of the modulating frequency. Record any audio frequency where it is impossible to perform the measurement.
TIA-603-E	2.2.6 Audio Frequency Response 2.2.6.2.1 Constant deviation test method (300 Hz to 3000 Hz) - Connect the equipment as illustrated. - Set the test receiver to measure peak positive deviation. Set the audio bandwidth for ≤ 50 Hz to $\geq 15,000$ Hz. Turn the de-emphasis function off. - Set the DMM to measure rms voltage. - Adjust the transmitter per the manufacturer's procedure for full rated system deviation. - Apply a 1000 Hz tone and adjust the audio frequency generator to produce 20% of the rated system deviation. - Set the test receiver to measure rms deviation and record the deviation reading. - Record the DMM reading as V_{REF}. - Set the audio frequency generator to the desired test frequency between 300 Hz and 3000 Hz. - Vary the audio frequency generator output level until the deviation reading that was recorded in step f) is obtained. - Record the DMM reading as V_{FREQ}. - Calculate the audio frequency response at the present frequency as: audio frequency response = $20\text{Log}(V_{FREQ}/V_{REF})$

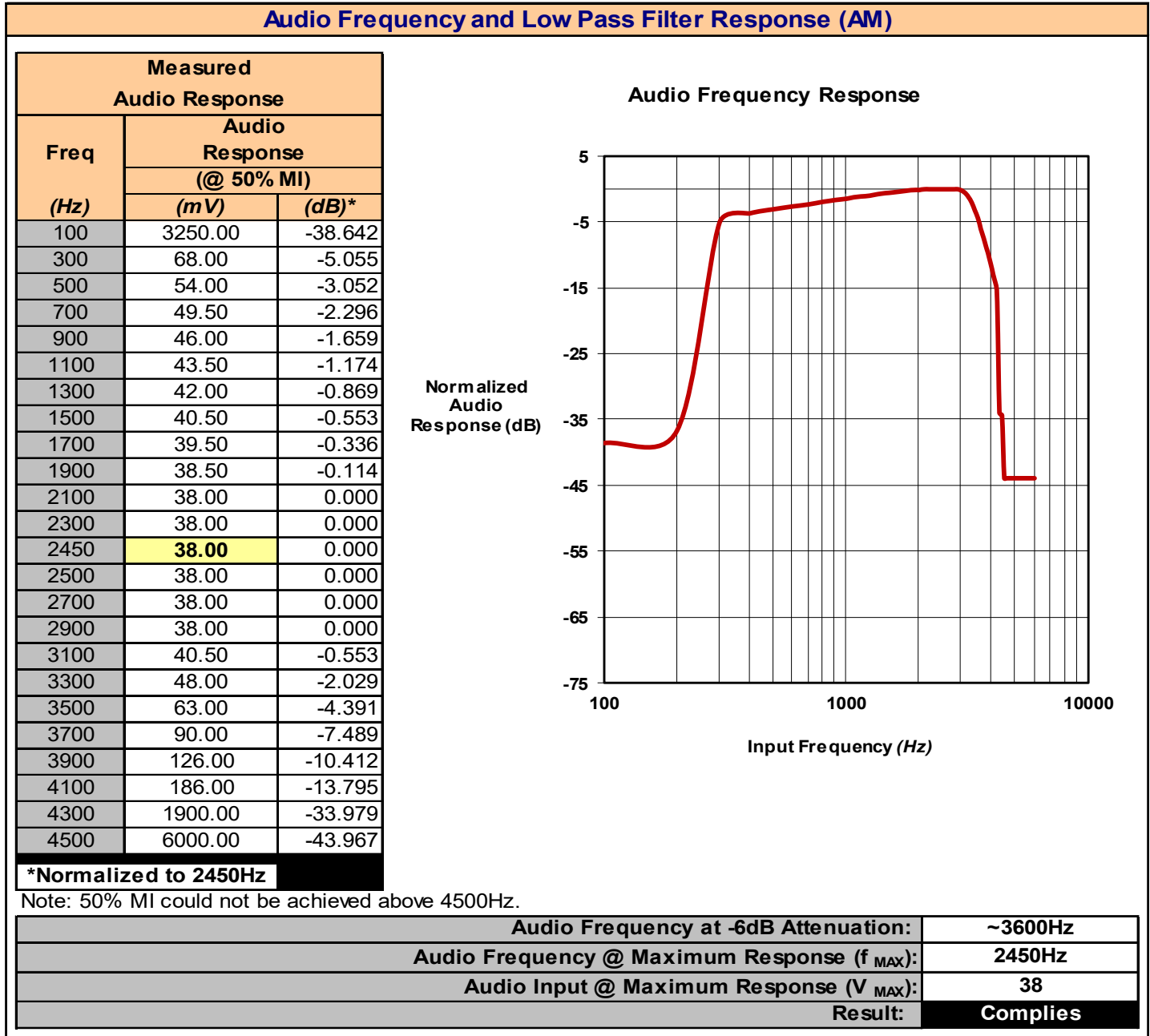
Statement - Compliance to §95.977

§95.977 CBRS tone transmissions.

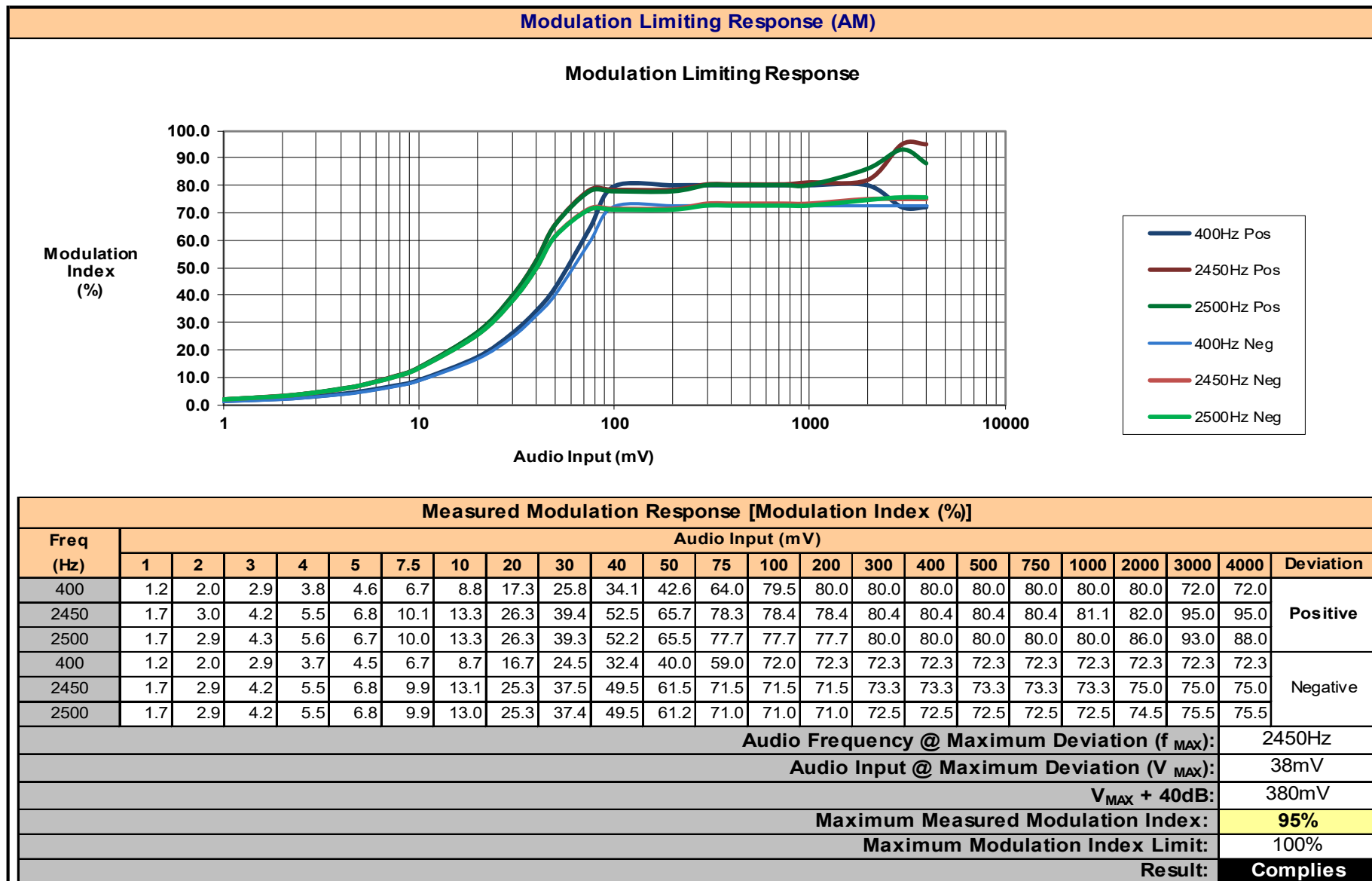
In addition to the tones permitted under §95.377, CBRS transmitter types may be designed to transmit brief tones to indicate the beginning or end of a transmission.

This device is capable of transmitting a brief (less than one second) audio tone, "Roger Beep", when the PTT button is released on the microphone indicating end of transmission. This function is user selectable and complies with the requirements of §95.377. See User's Manual.

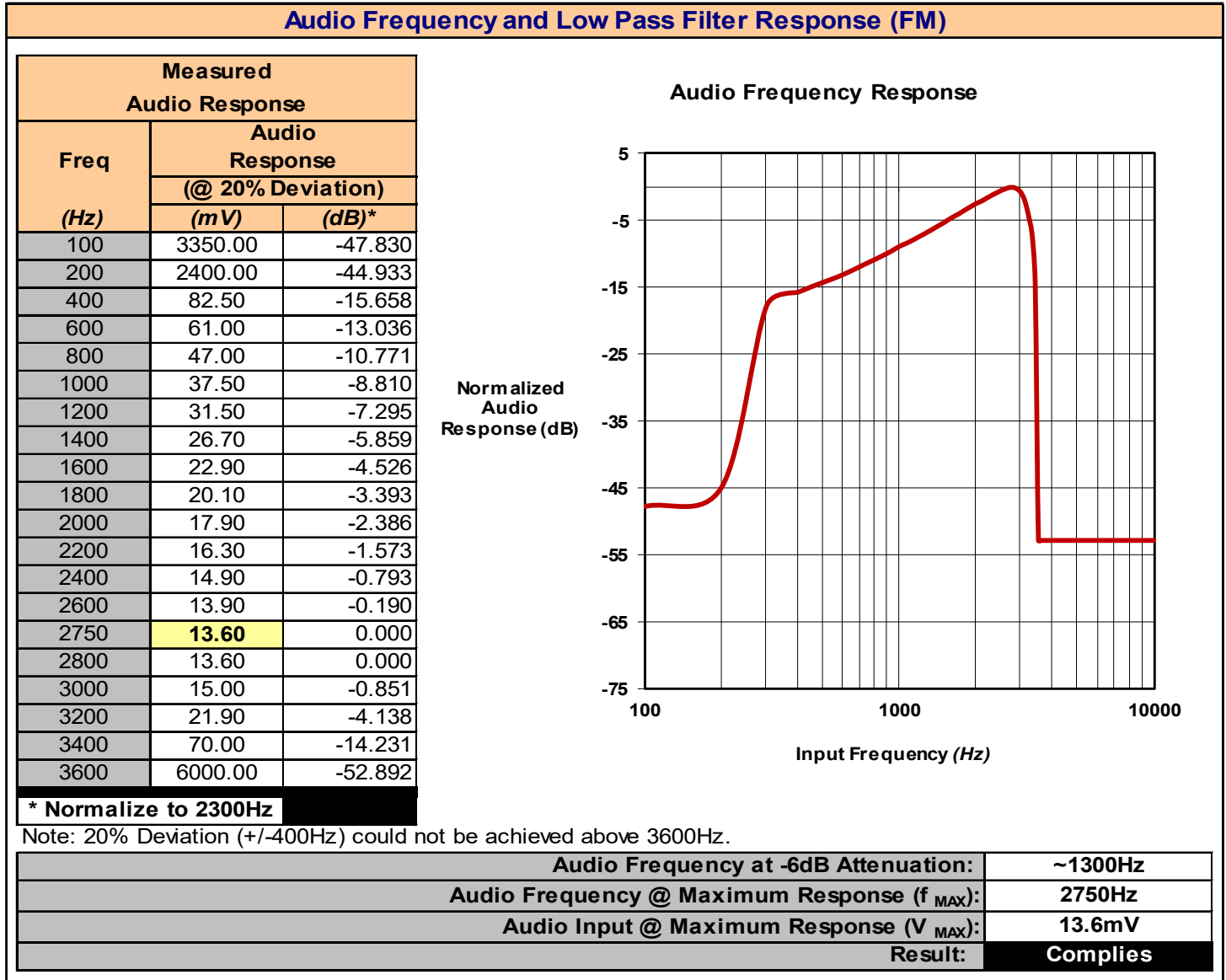
Plot 8.1 – Audio Frequency and Low Pass Filter Response, AM



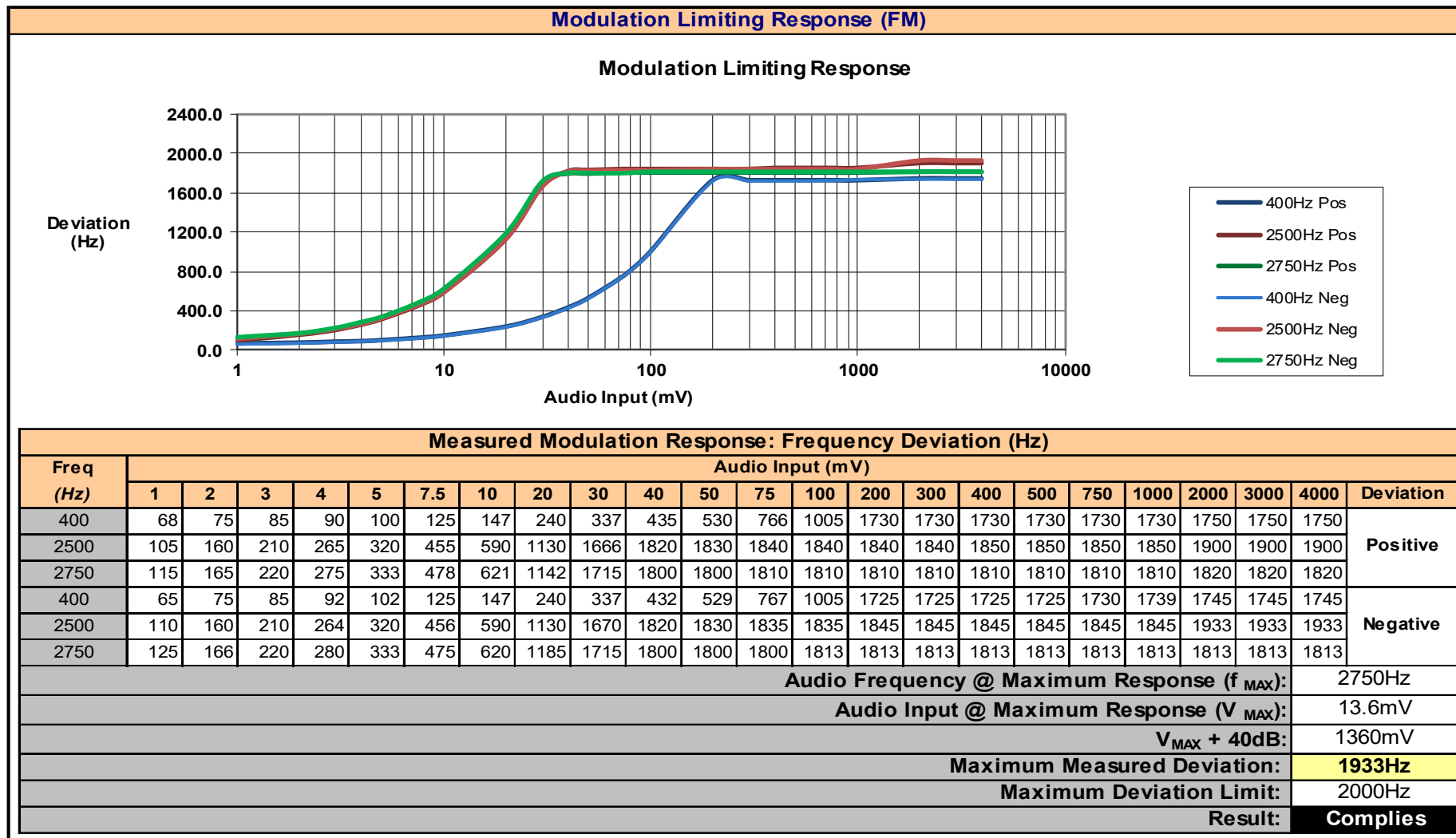
Plot 8.2 – Modulation Limiting Response, AM



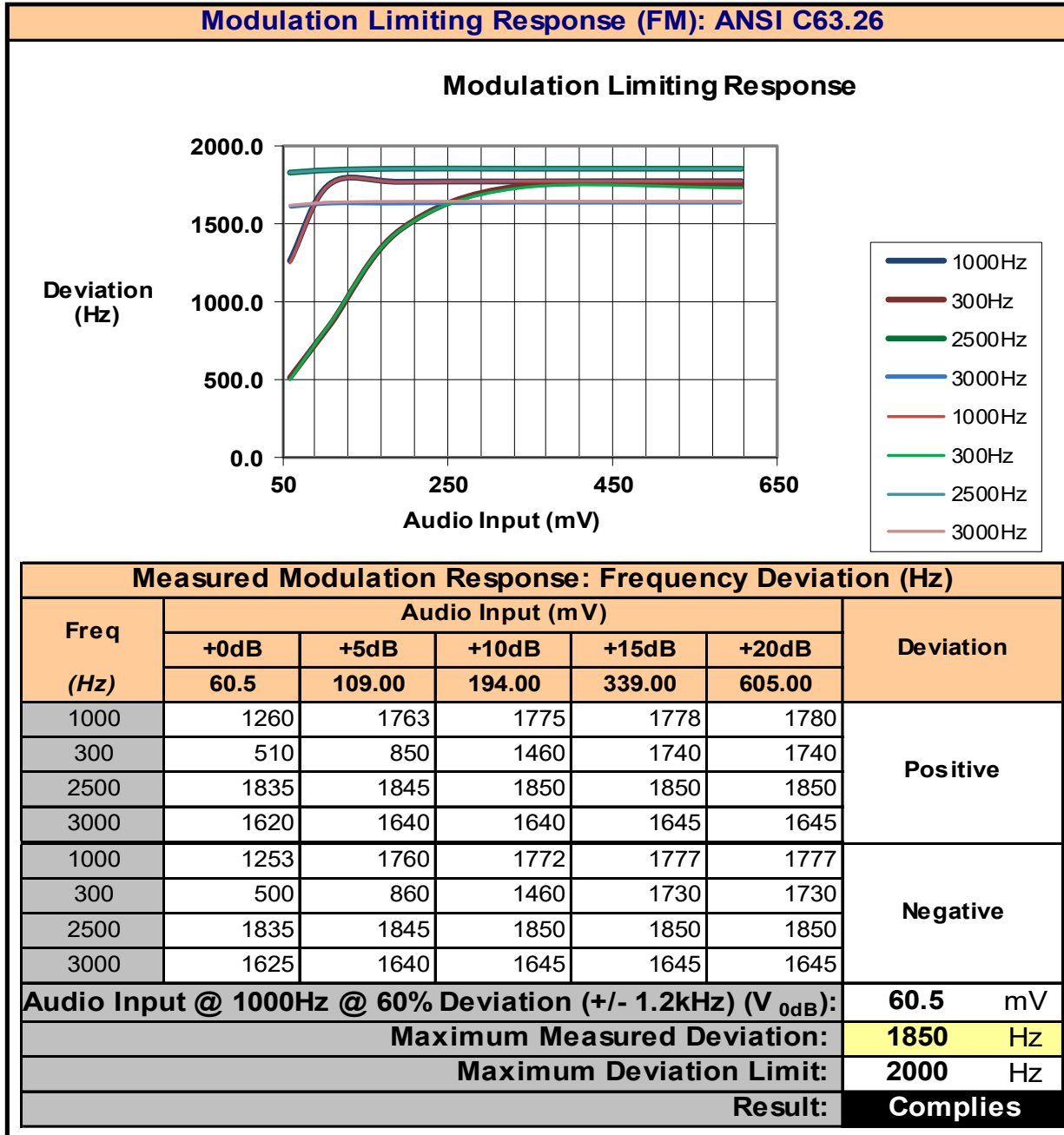
Plot 8.3 – Audio Frequency and Low Pass Filter Response, FM



Plot 8.4 – Modulation Limiting Response, FM



Plot 8.5 – Modulation Limiting Response, FM (ANSI C63.26)



9.0 OCCUPIED BANDWIDTH AND EMISSION MASKS

Test Conditions

Normative Reference FCC 47 CFR §2.1049, §95.973

Limits

47 CFR §95.973	Each CBRS transmitter type must be designed such that the occupied bandwidth does not exceed the authorized bandwidth for the emission type under test. (a) AM and FM. The authorized bandwidth for emission types A3E and F3E is 8 kHz.
RSS-236 5.3.2	The authorized bandwidth for emission type A1D or A3E is 8 kHz.
47 CFR §95.979	Each CBRS transmitter type must be designed to comply with the applicable unwanted emissions limits in this section. (a) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) as specified in the applicable paragraphs listed in the following table: For A3E and F3E (1), (3), (5), (6) (1) 25 dB (decibels) in the frequency band 4 kHz to 8 kHz removed from the channel center frequency; (3) 35 dB in the frequency band 8 kHz to 20 kHz removed from the channel center frequency; (5) $53 + 10 \log(P)$ dB in any frequency band removed from the channel center frequency by more than 250% of the authorized bandwidth. (6) 60 dB in any frequency band centered on a harmonic (i.e., an integer multiple of two or more times) of the carrier frequency.
RSS-236 4.4.4	For A1D and A3E: _ At least 25 dB on any frequency removed from the center of the authorized bandwidth by more than 50% up to and including 100% of the authorized bandwidth. _ At least 35 dB on any frequency removed from the center of the authorized bandwidth by more than 100% up to and including 250% of the authorized bandwidth. _ At least $53 + 10 \log_{10}(T)$ dB on any frequency removed from the center of the authorized bandwidth by more than 250%. _ At least 60 dB on any frequency twice or greater than twice the fundamental frequency.

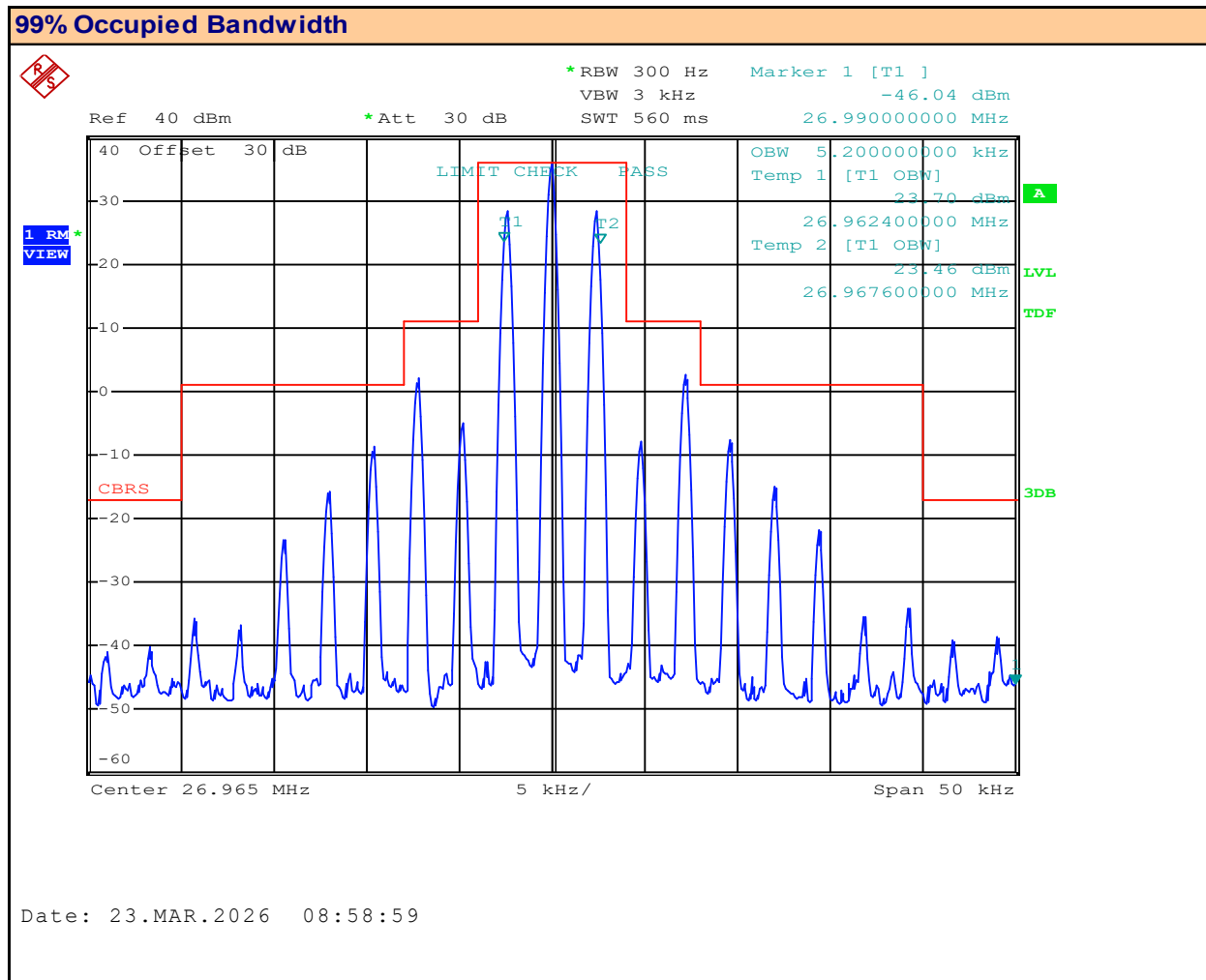
Measurement Procedure

TIA 382 23.2 Transmitter Modulation Occupied Bandwidth

The transmitter is modulated by a sinusoidal audio signal applied to the microphone input jack. First, the frequency is adjusted to deliver 50% modulation at the highest audio response level (minimum applied audio level). Then the audio signal level is increased 16 dB and the audio frequency is readjusted to 2500 Hz. The analyzer is adjusted to display each of the discrete modulation sidebands and their respective harmonic products within +/- 50 kHz of the carrier frequency.

Test Setup Appendix A Figure A.1

Plot 9.1 – Occupied Bandwidth, Channel 1, AM



Channel: **1**

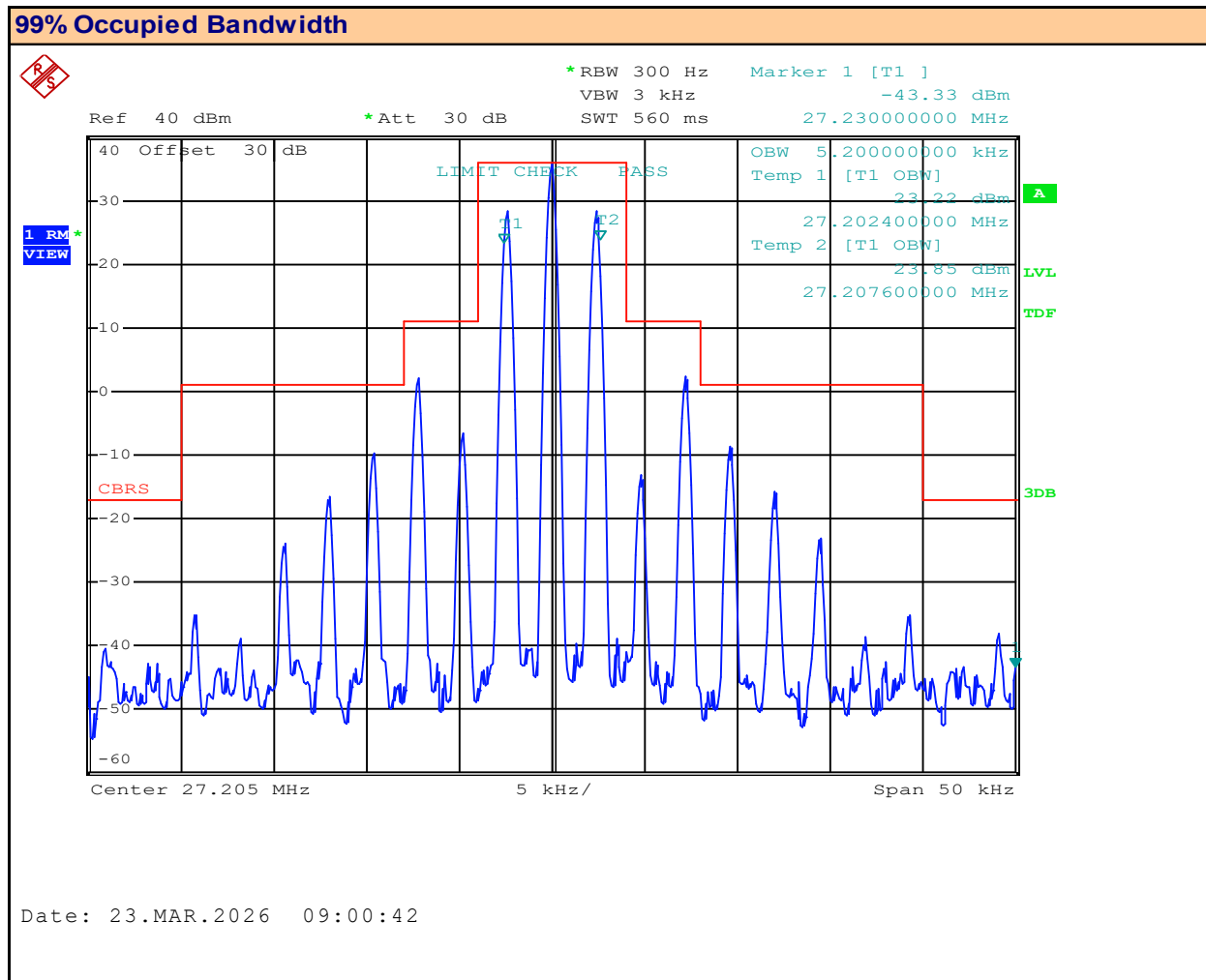
Channel Frequency: **26.965** MHz

Emission Designator: **A3E**

Modulation: **AM**

Measured Bandwidth: **5.2** kHz

Plot 9.2 – Occupied Bandwidth, Channel 20, AM



Channel: **20**

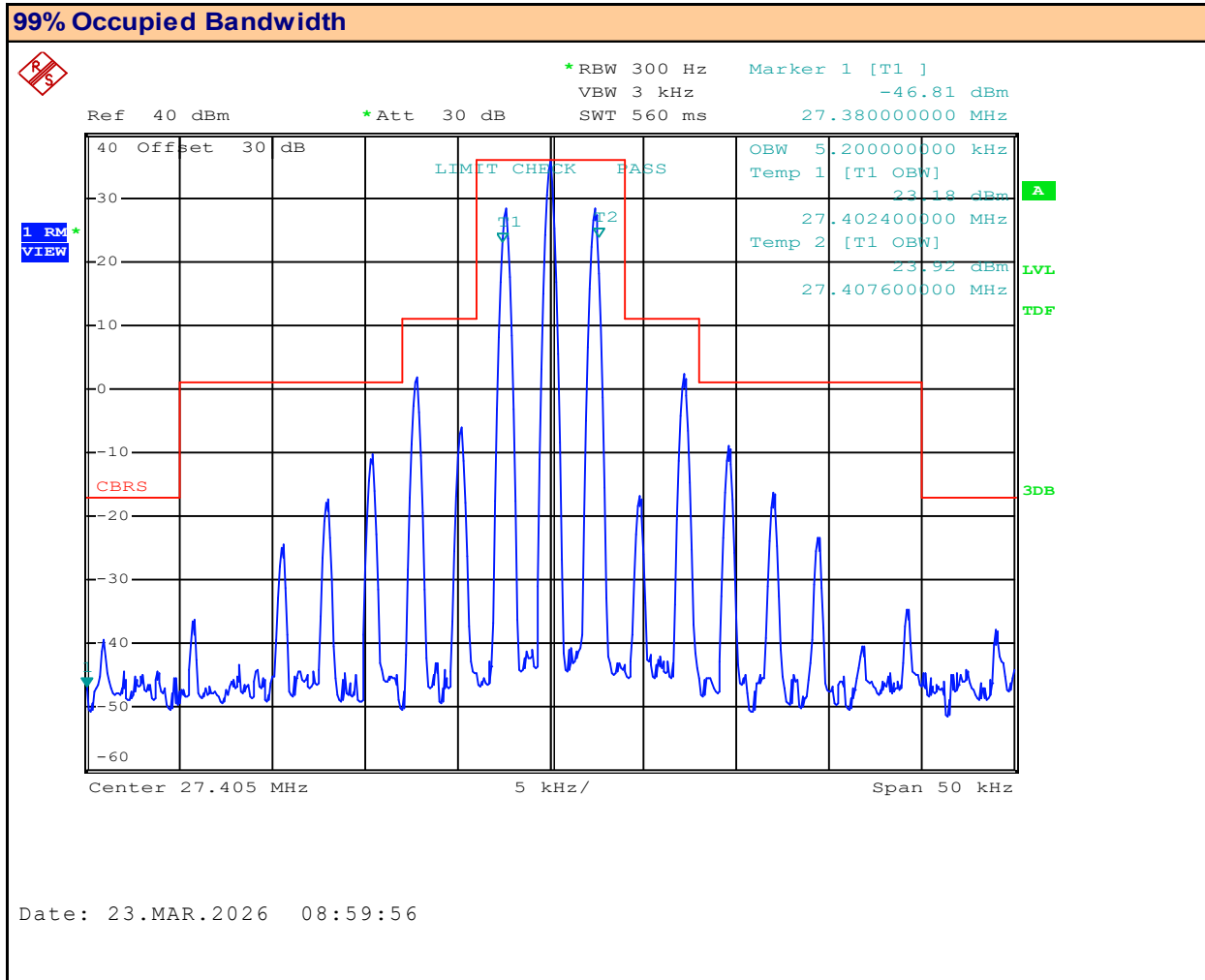
Channel Frequency: **27.205** MHz

Emission Designator: **A3E**

Modulation: **AM**

Measured Bandwidth: **5.2** kHz

Plot 9.3 – Occupied Bandwidth, Channel 40, AM



Channel: **40**

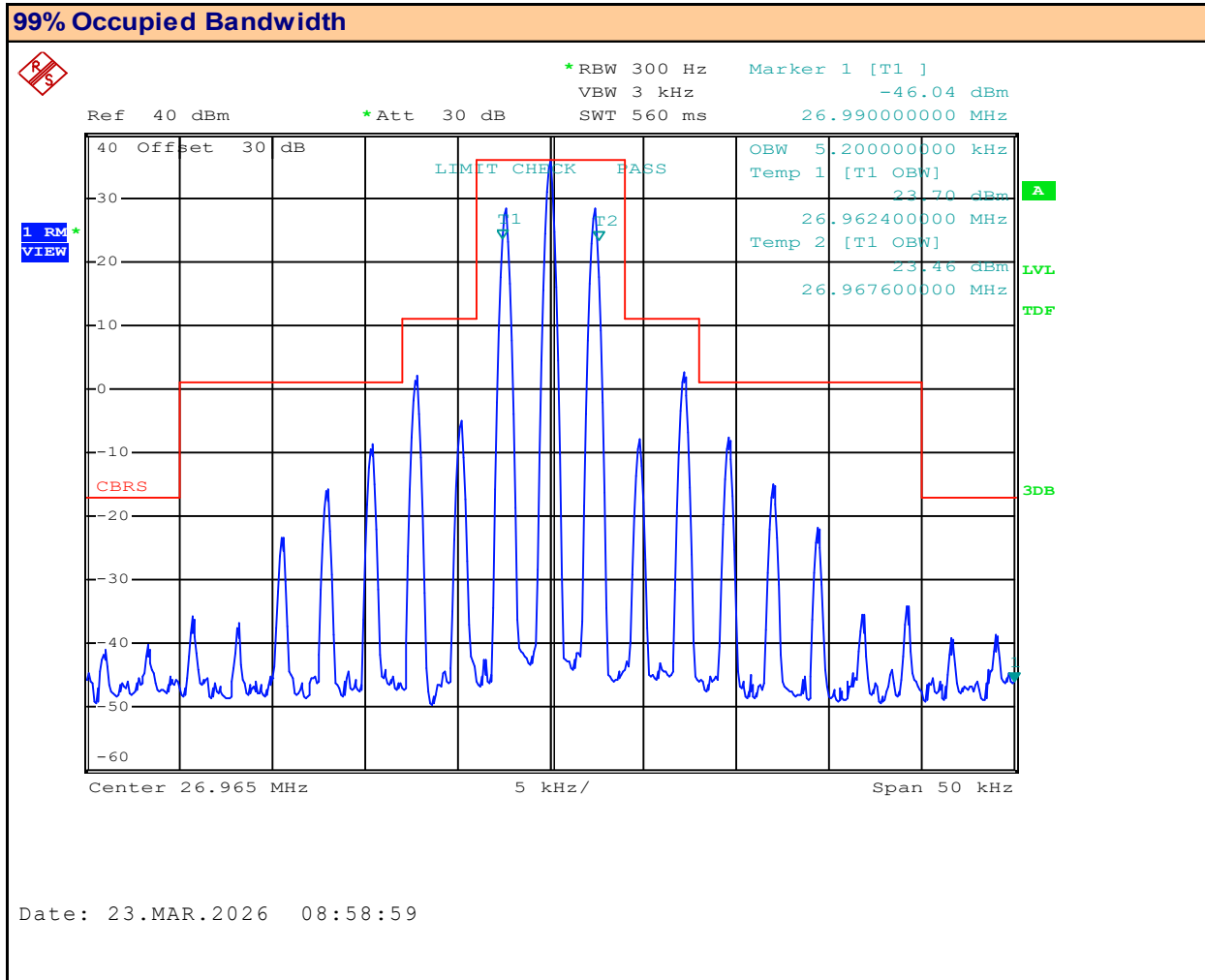
Channel Frequency: **27.405** MHz

Emission Designator: **A3E**

Modulation: **AM**

Measured Bandwidth: **5.2** kHz

Plot 9.4 – Occupied Bandwidth, Channel 1, FM



Channel: **1**

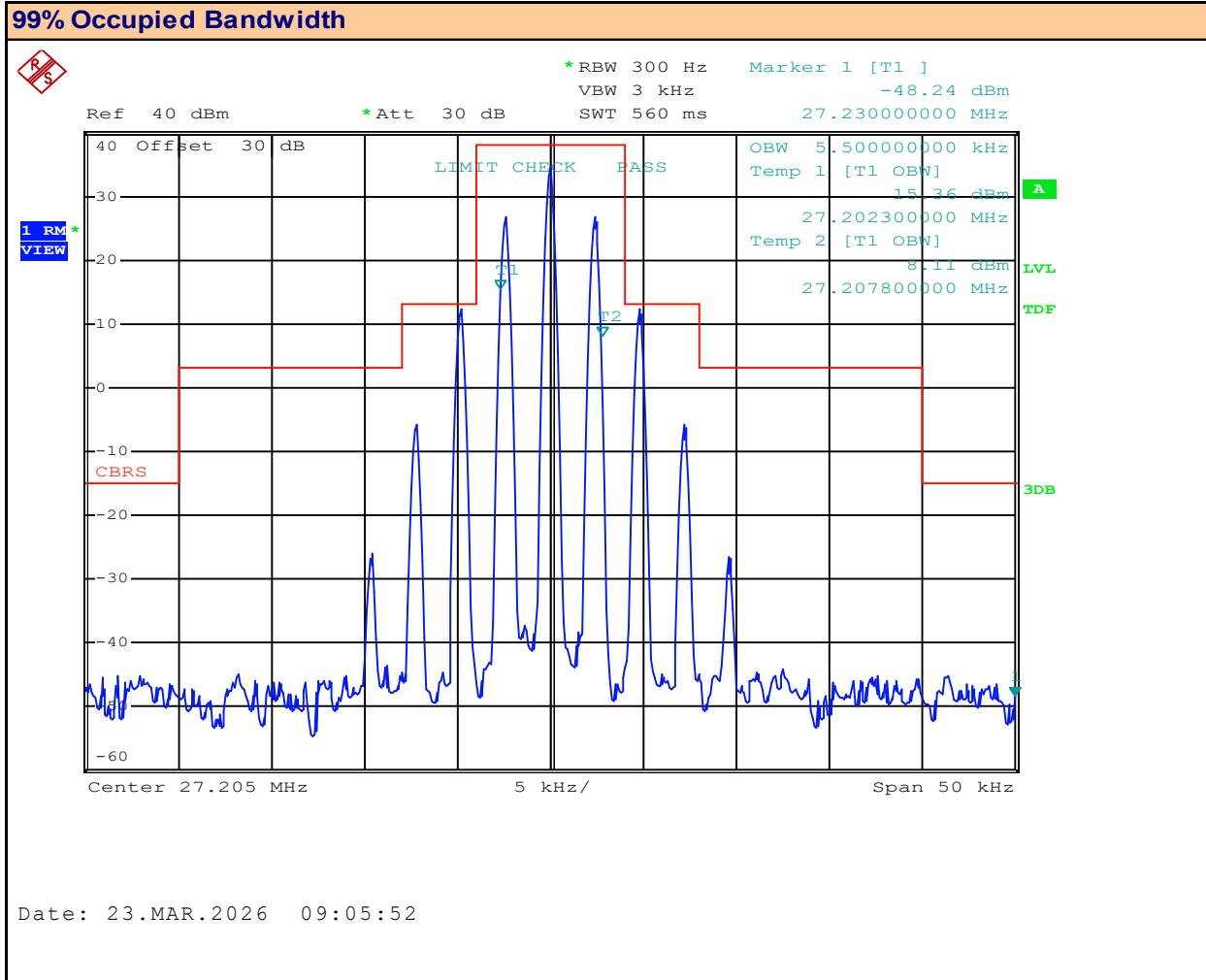
Channel Frequency: **26.965** MHz

Emission Designator: **F3E**

Modulation: **FM**

Measured Bandwidth: **5.2** kHz

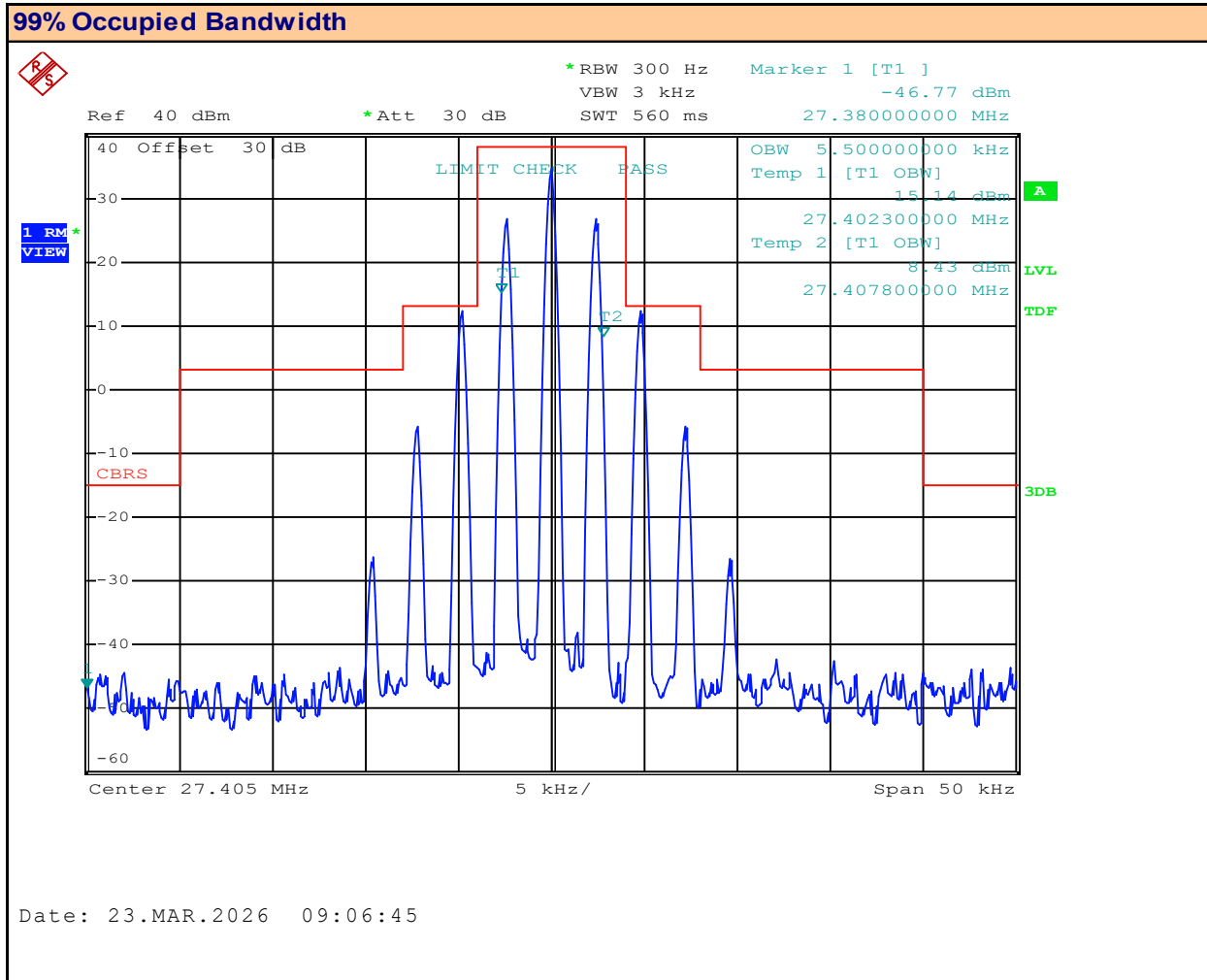
Plot 9.5 – Occupied Bandwidth, Channel 20, FM



Channel: **20**
Emission Designator: **F3E**

Channel Frequency: **27.205** MHz
Modulation: **FM**
Measured Bandwidth: **5.5** kHz

Plot 9.6 – Occupied Bandwidth, Channel 40, FM



Channel: **40**
Emission Designator: **F3E**

Channel Frequency: **27.405** MHz
Modulation: **FM**
Measured Bandwidth: **5.5** kHz

Table 9.1 - Summary of Occupied Bandwidth and Emission Mask Results

99% Occupied Bandwidth Results:					
Channel	Channel Frequency (MHz)	Modulation	Measured Occupied Bandwidth (kHz)	Emission Designator	Emissions Mask
1	26.965	AM	5.20	5K20A3E	Pass
20	27.205		5.20	5K20A3E	Pass
40	27.405		5.20	5K20A3E	Pass
1	26.965	FM	5.20	5K20F3E	Pass
20	27.205		5.50	5K50F3E	Pass
40	27.405		5.50	5K50F3E	Pass
Result:					Complies

10 CONDUCTED OUT OF BAND SPURIOUS EMISSIONS

Test Conditions

Normative Reference FCC 47 CFR §95.979, RSS-236 4.10

Limits

47 CFR §95.979	Each CBRS transmitter type must be designed to comply with the applicable unwanted emissions limits in this section. (a) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) as specified in the applicable paragraphs listed in the following table: For A3E, F3E (1), (3), (5), (6) (1) 25 dB (decibels) in the frequency band 4 kHz to 8 kHz removed from the channel center frequency; (3) 35 dB in the frequency band 8 kHz to 20 kHz removed from the channel center frequency;
RSS-236 4.10	(5) 53 + 10 log (P) dB in any frequency band removed from the channel center frequency by more than 250% of the authorized bandwidth. (6) 60 dB in any frequency band centered on a harmonic (i.e., an integer multiple of two or more times) of the carrier frequency.

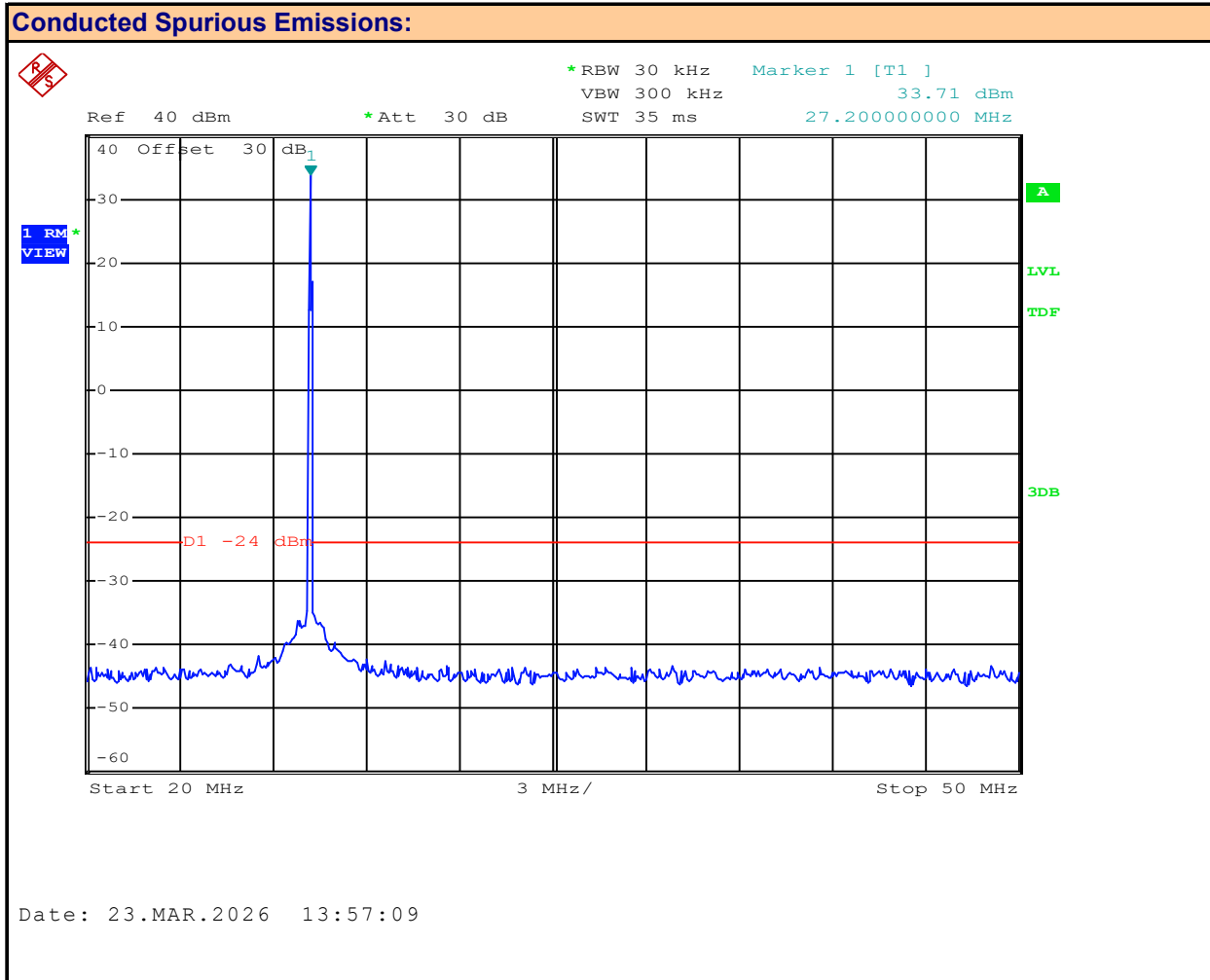
Measurement Procedure

TIA 382 21.2	Transmitter Conducted Spurious and Harmonic Emissions The transmitter RF output shall be connected to the standard nonradiating output load. The output shall be sampled and displayed using spectrum analysis techniques. 2500 Hz modulation shall be applied at a level 16 dB above that required to produce 50% modulation at the frequency of maximum response. The sampled output shall be analyzed from the lowest frequency generated in the equipment to the 10th harmonic of the fundamental signal and the levels of all spurious outputs attenuated not more than 20 dB below the maximum required attenuation shall be recorded.
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Test Setup

Appendix A **A.1**

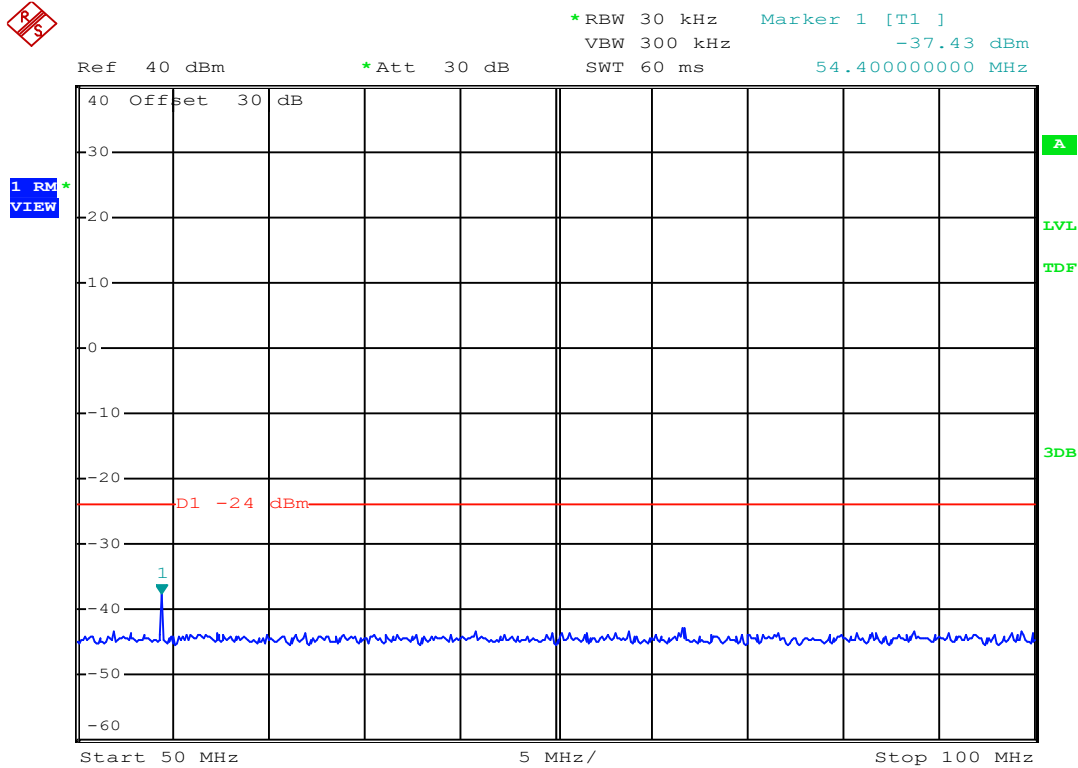
Plot 10.1 – Conducted Out of Band Emissions, 20-50MHz, Channel 20, AM



Channel:	20	Channel Frequency:	27.205 MHz
Modulation:	AM	Emission Frequency:	ND MHz
Marker 1 = Fundamental		Measured Emission:	ND dBm

Plot 10.2 – Conducted Out of Band Emissions, 50-100MHz, Channel 20, AM

Conducted Spurious Emissions:



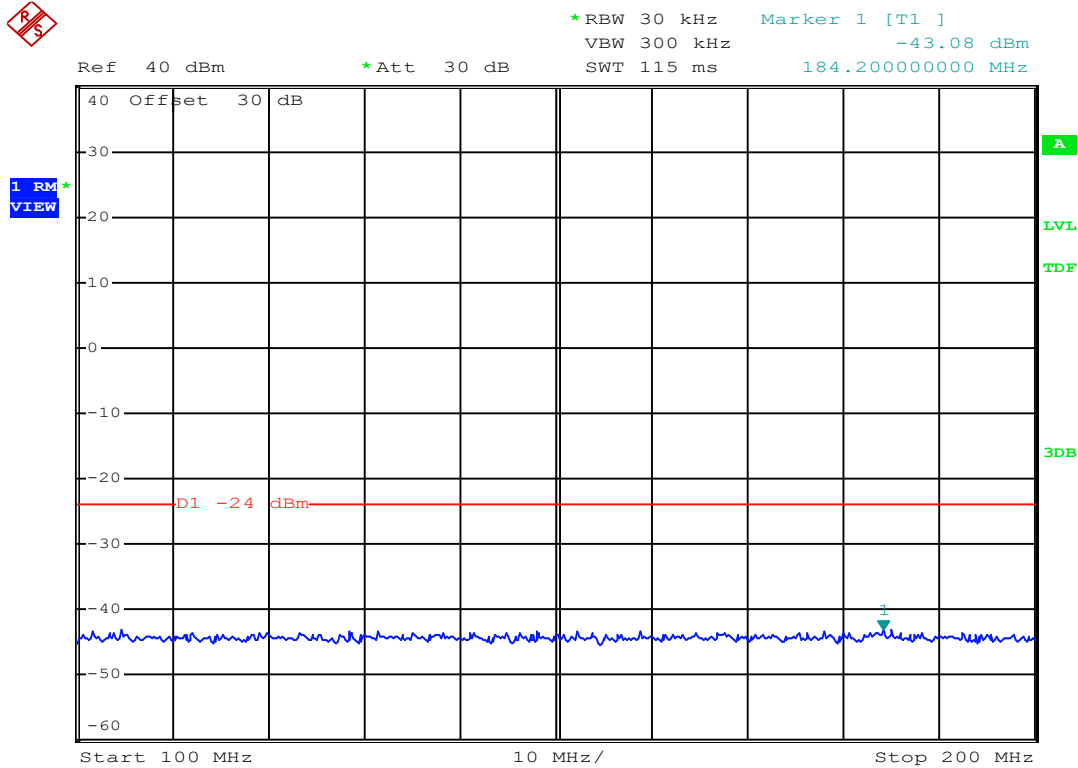
Date: 23.MAR.2026 13:57:52

Channel: **20**
Modulation: **AM**

Channel Frequency: **27.205** MHz
Emission Frequency: **54.4** MHz
Measured Emission: **See 2nd** dBm

Plot 10.3 – Conducted Out of Band Emissions, 100-200MHz, Channel 20, AM

Conducted Spurious Emissions:

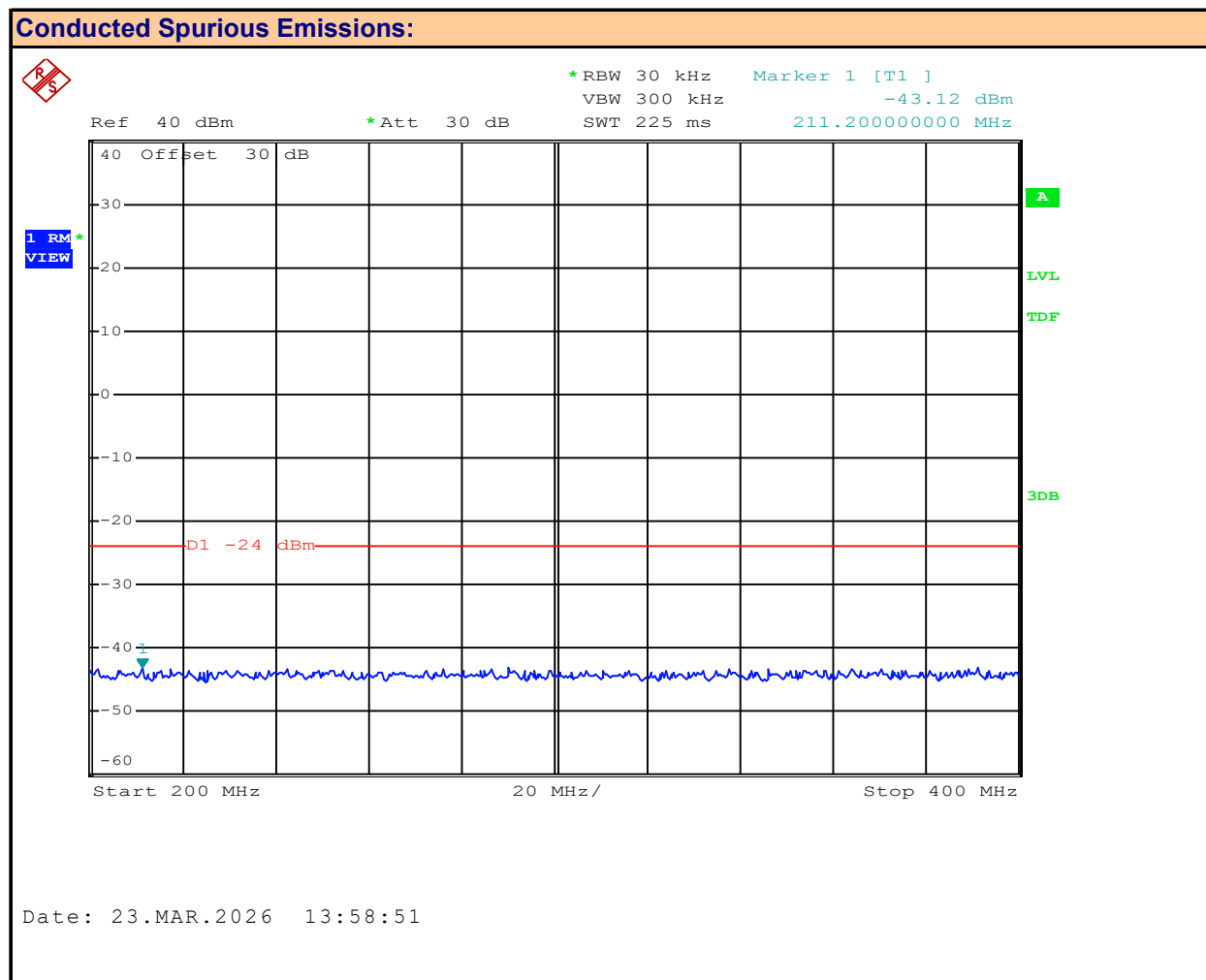


Date: 23.MAR.2026 13:58:24

Channel: **20**
Modulation: **AM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.4 – Conducted Out of Band Emissions, 200-400MHz, Channel 20, AM

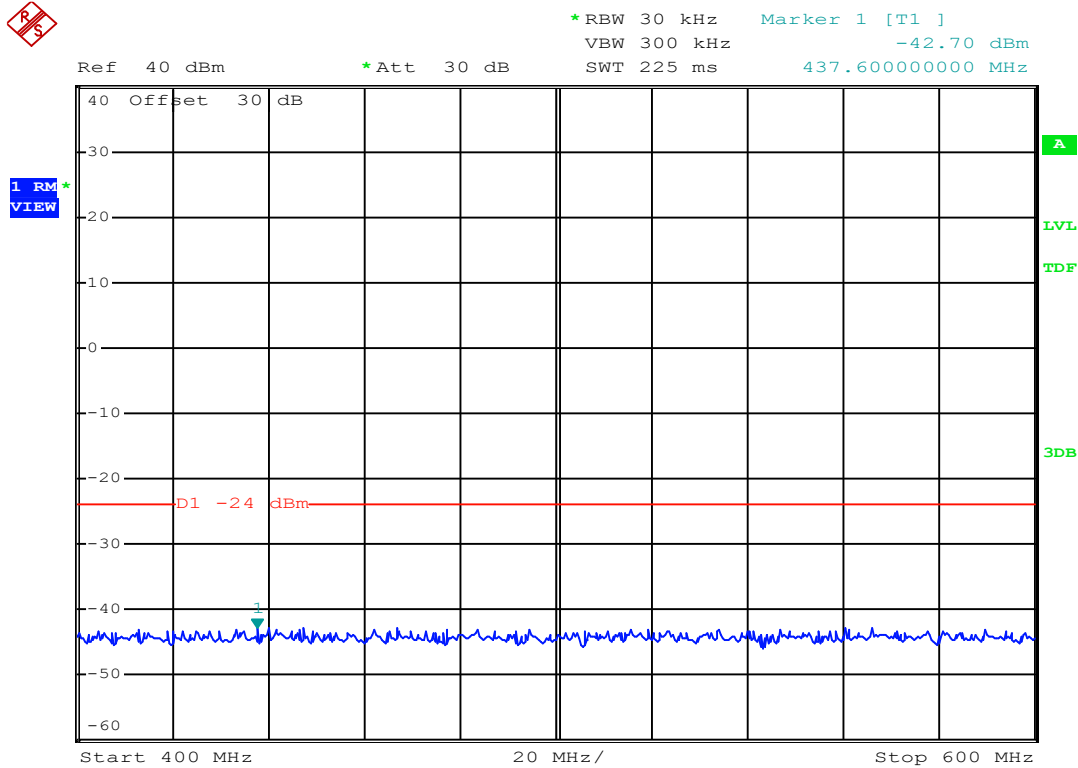


Channel:	20
Modulation:	AM

Channel Frequency:	27.205	MHz
Emission Frequency:	ND	MHz
Measured Emission:	ND	dBm

Plot 10.5 – Conducted Out of Band Emissions, 400-600MHz, Channel 20, AM

Conducted Spurious Emissions:



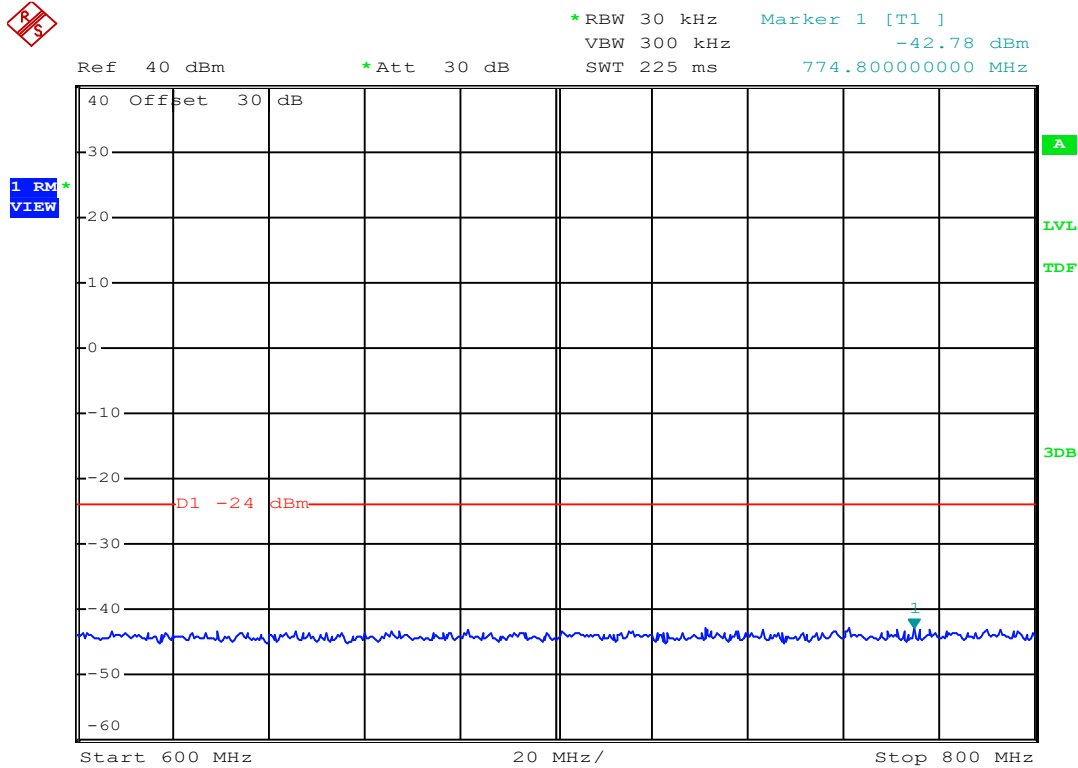
Date: 23.MAR.2026 13:59:19

Channel: **20**
Modulation: **AM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.6 – Conducted Out of Band Emissions, 600-800MHz, Channel 20, AM

Conducted Spurious Emissions:

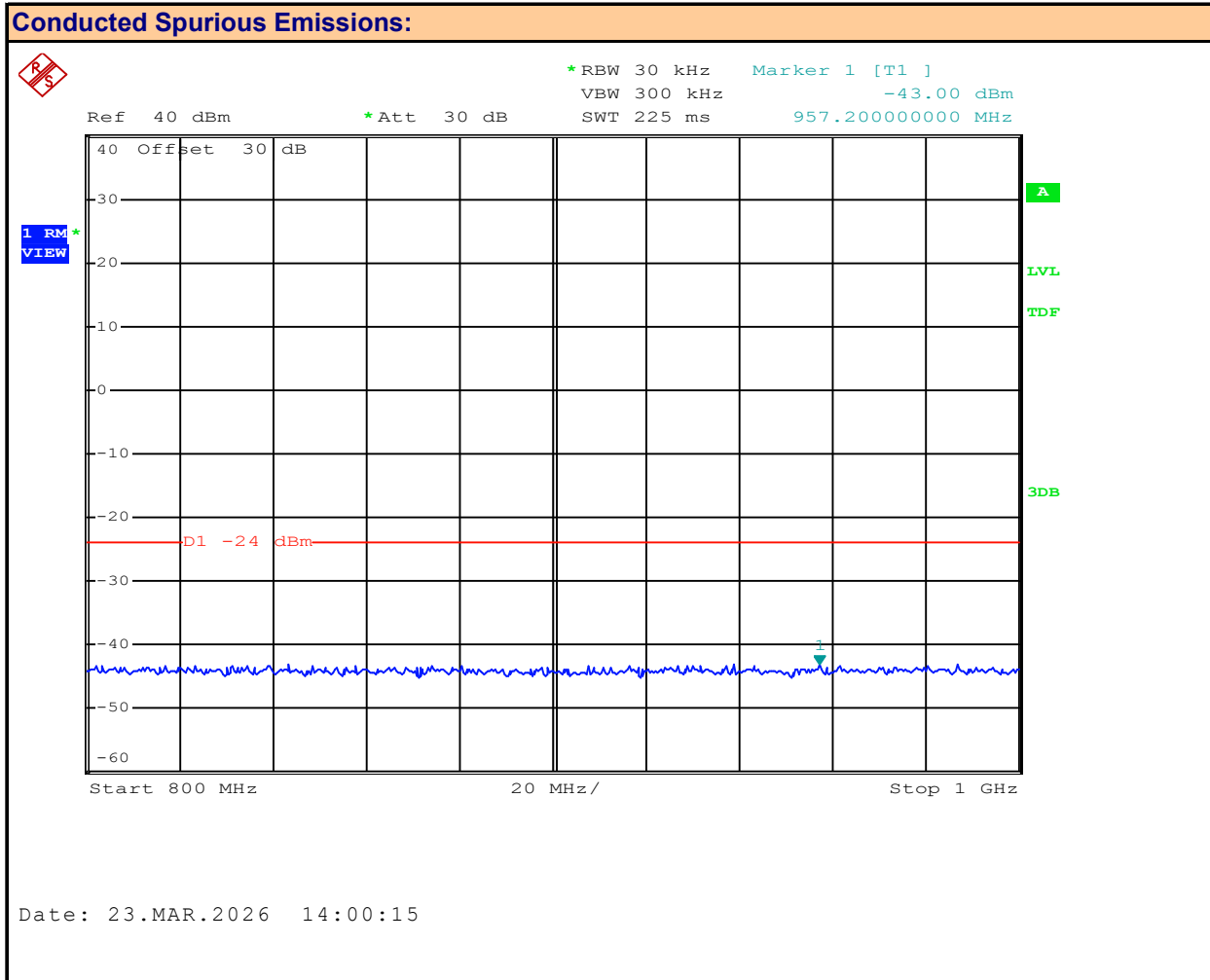


Date: 23.MAR.2026 13:59:45

Channel: **20**
Modulation: **AM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.7 – Conducted Out of Band Emissions, 800-1000MHz, Channel 20, AM



Channel: 20

Modulation: AM

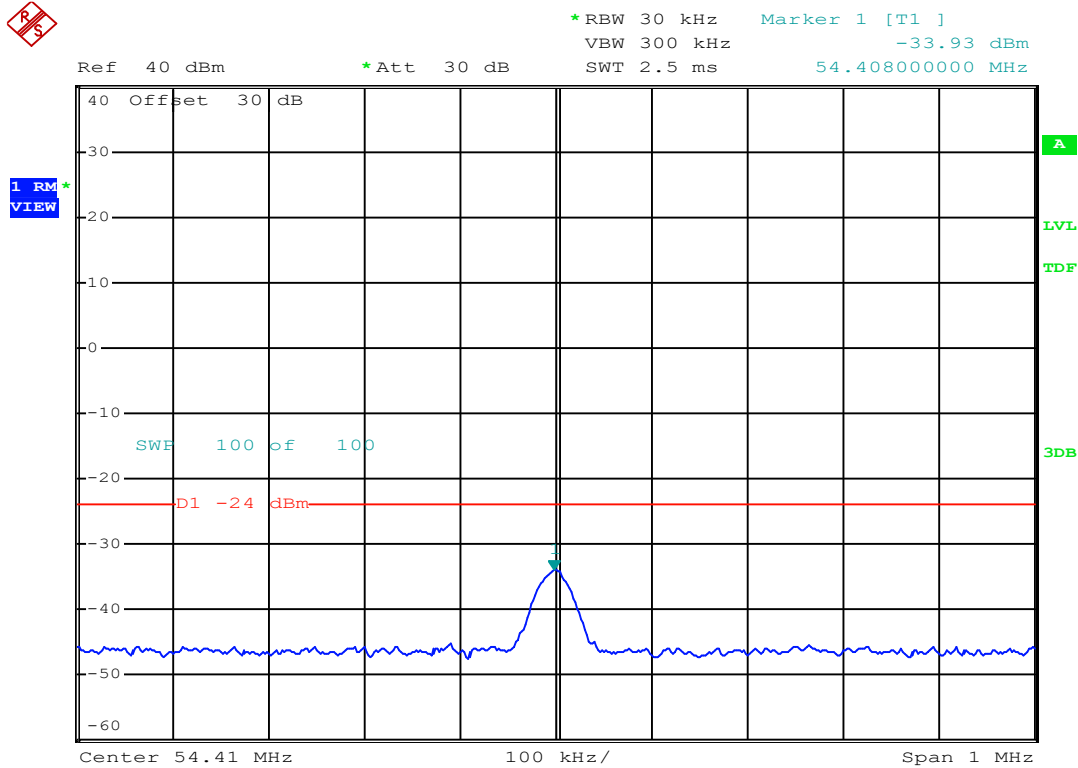
Channel Frequency: 27.205 MHz

Emission Frequency: ND MHz

Measured Emission: ND dBm

Plot 10.8 – Conducted Out of Band Emissions, 2nd Harmonic, Channel 20, AM

Conducted Spurious Emissions:



Date: 23.MAR.2026 14:09:12

Channel: **20**

Modulation: **AM**

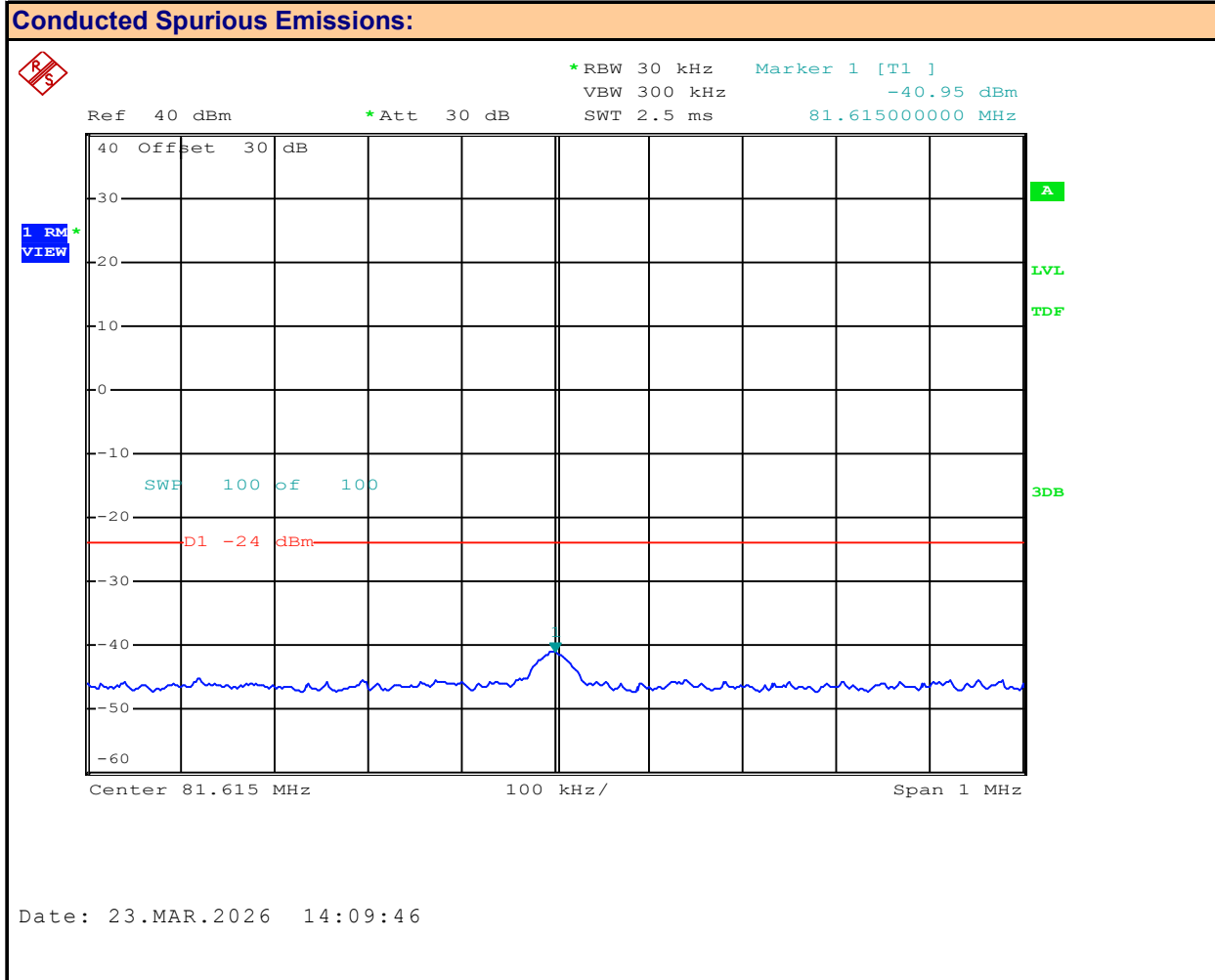
2nd Harmonic

Channel Frequency: **27.205** MHz

Emission Frequency: **54.4** MHz

Measured Emission: **-33.93** dBm

Plot 10.9 – Conducted Out of Band Emissions, 3rd Harmonic, Channel 20, AM

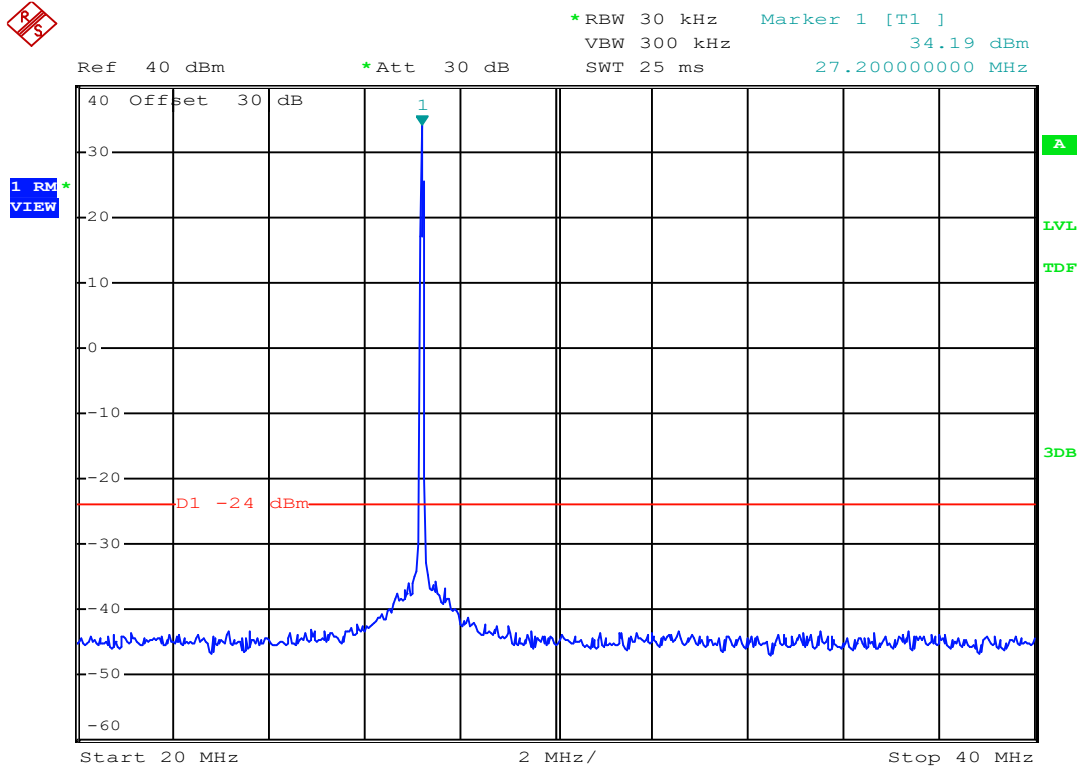


Channel: **20**
Modulation: **AM**
3rd Harmonic

Channel Frequency: **27.205** MHz
Emission Frequency: **81.615** MHz
Measured Emission: **-40.95** dBm

Plot 10.10 – Conducted Out of Band Emissions, 20-40MHz, Channel 20, FM

Conducted Spurious Emissions:



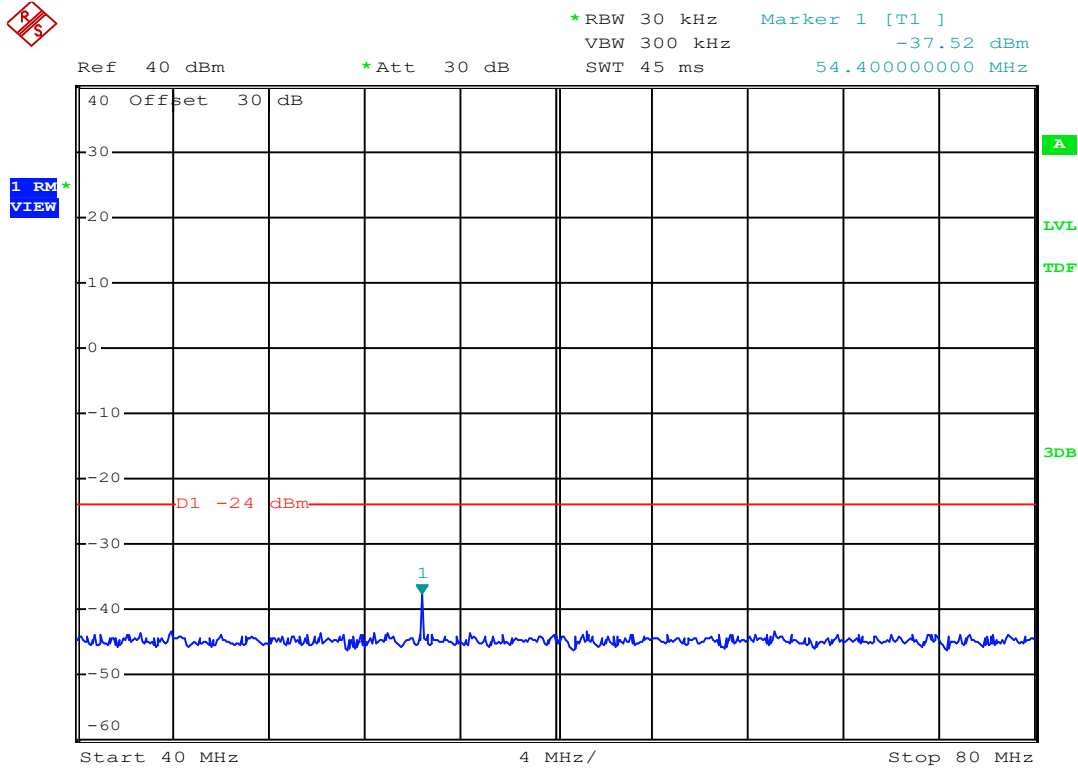
Date: 23.MAR.2026 14:11:48

Channel: **20**
Modulation: **FM**
Marker 1 = Fundamental

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.11 – Conducted Out of Band Emissions, 40-80MHz, Channel 20, FM

Conducted Spurious Emissions:

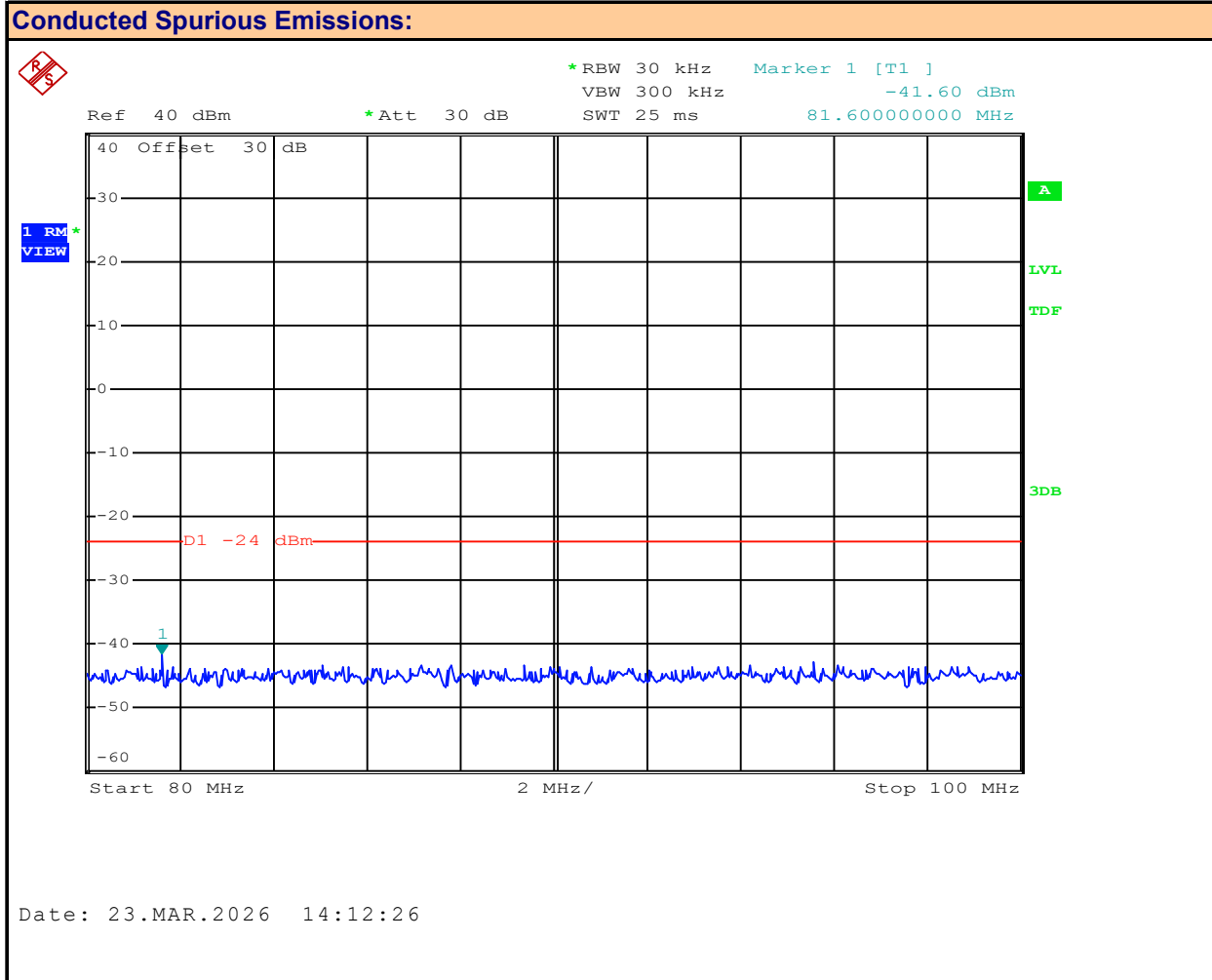


Date: 23.MAR.2026 14:12:10

Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **54.4** MHz
Measured Emission: **See 2nd** dBm

Plot 10.12 – Conducted Out of Band Emissions, 80-100MHz, Channel 20, FM

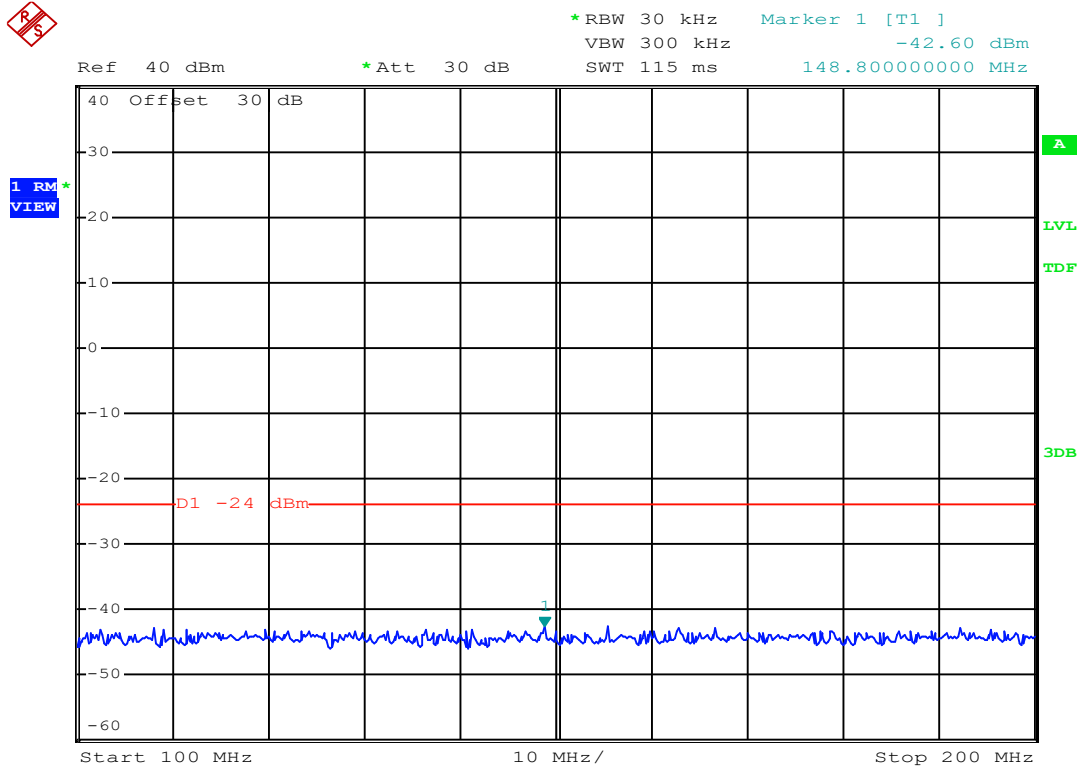


Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **81.6** MHz
Measured Emission: **See 3rd** dBm

Plot 10.13 – Conducted Out of Band Emissions, 100-200MHz, Channel 20, FM

Conducted Spurious Emissions:

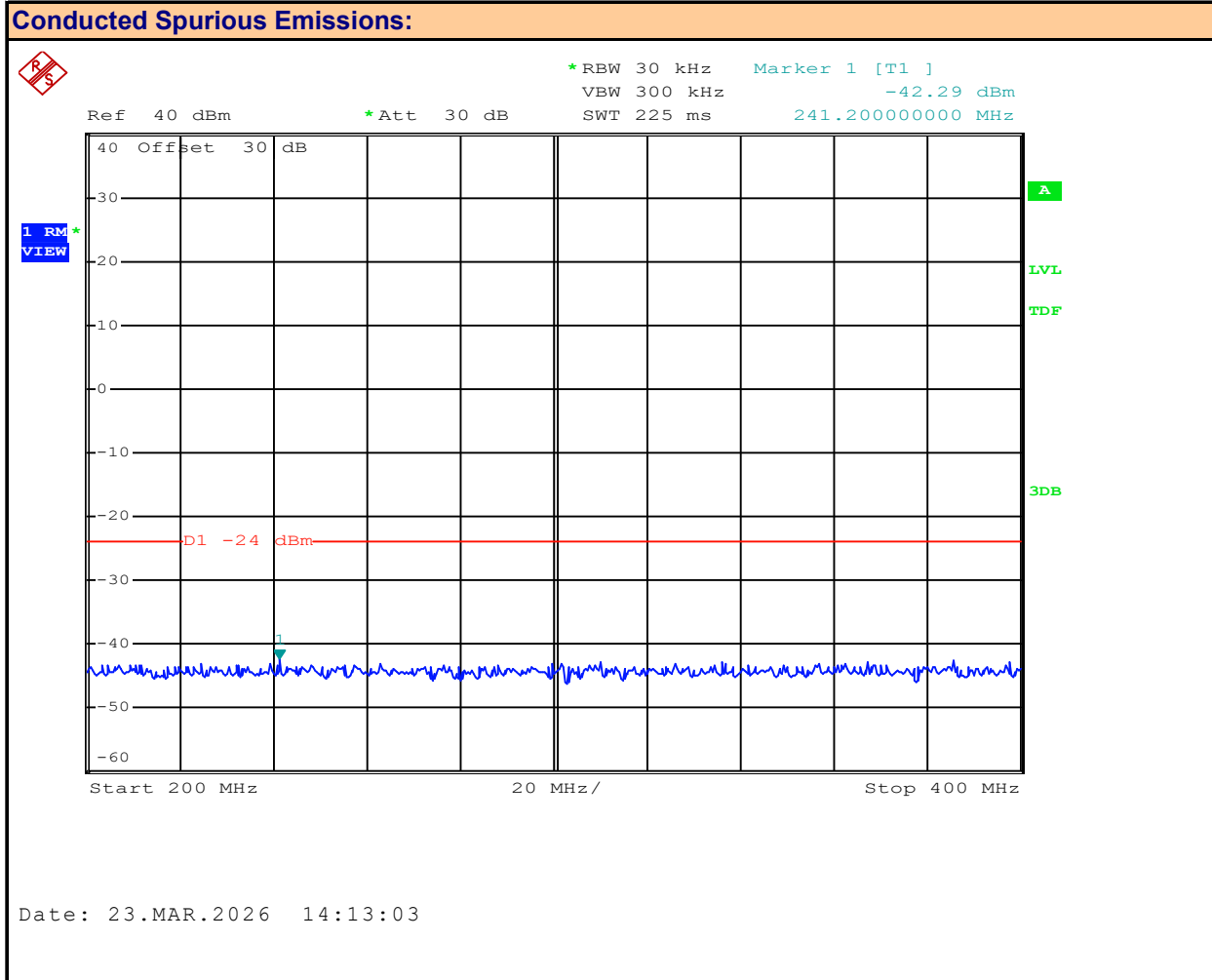


Date: 23.MAR.2026 14:12:43

Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.14 – Conducted Out of Band Emissions, 200-400MHz, Channel 20, FM

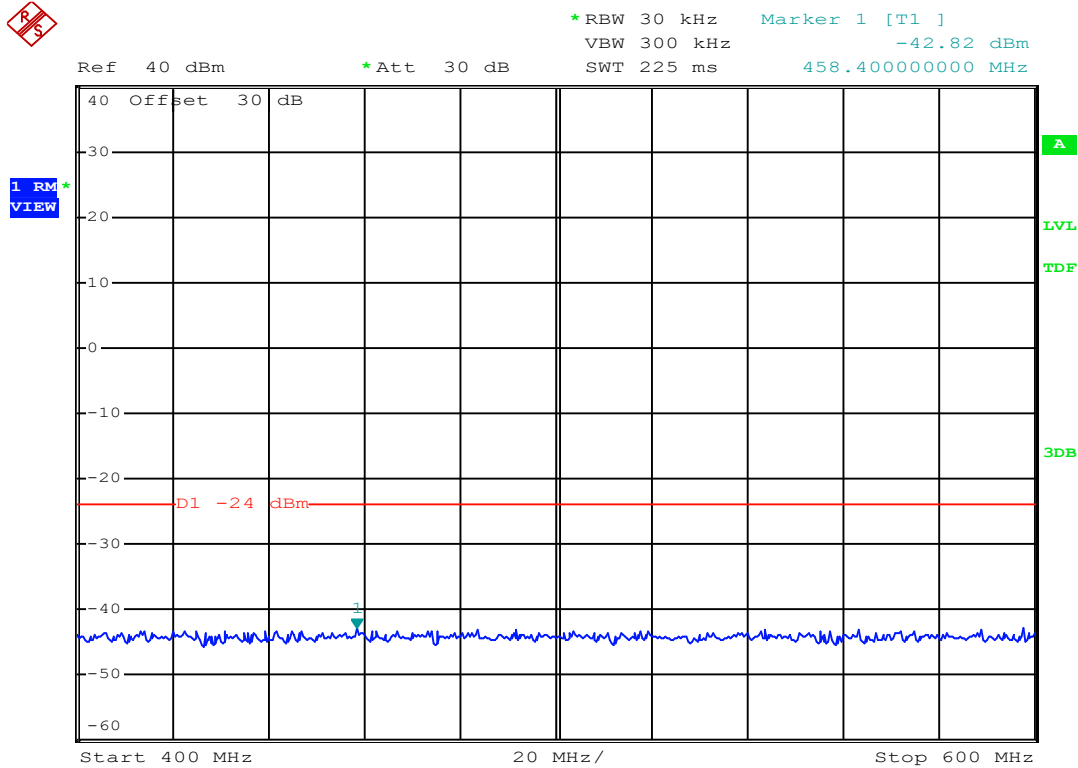


Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.15 – Conducted Out of Band Emissions, 400-600MHz, Channel 20, FM

Conducted Spurious Emissions:



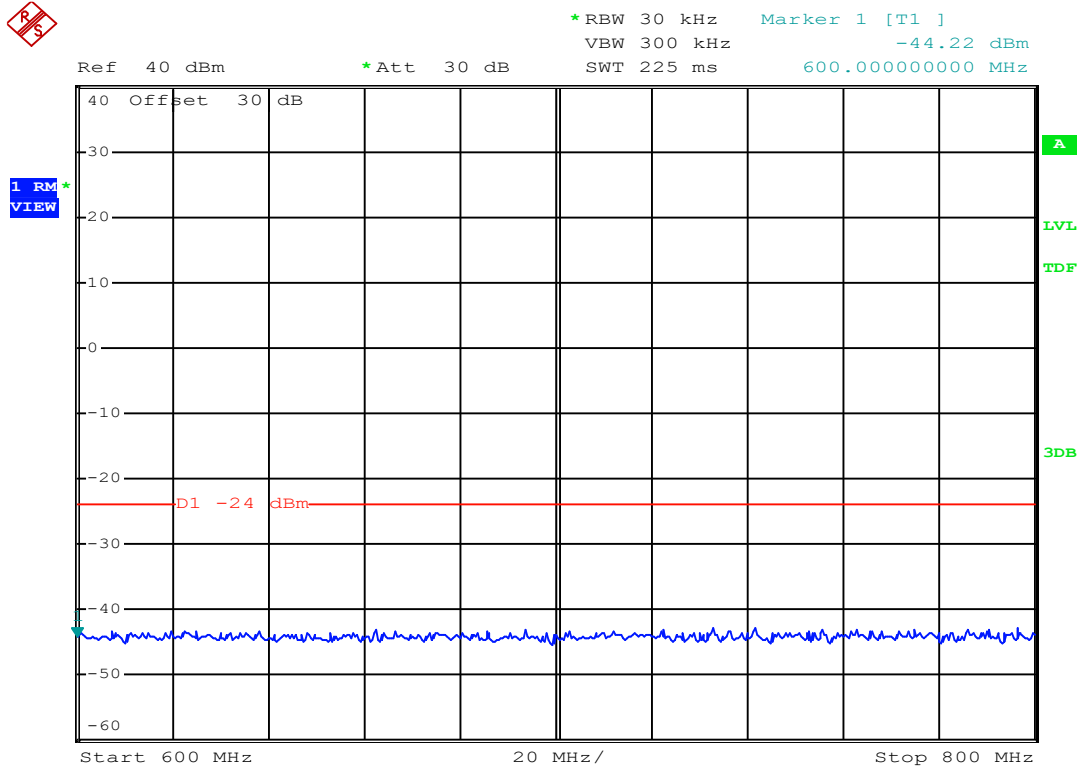
Date: 23.MAR.2026 14:13:21

Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.16 – Conducted Out of Band Emissions, 600-800MHz, Channel 20, FM

Conducted Spurious Emissions:

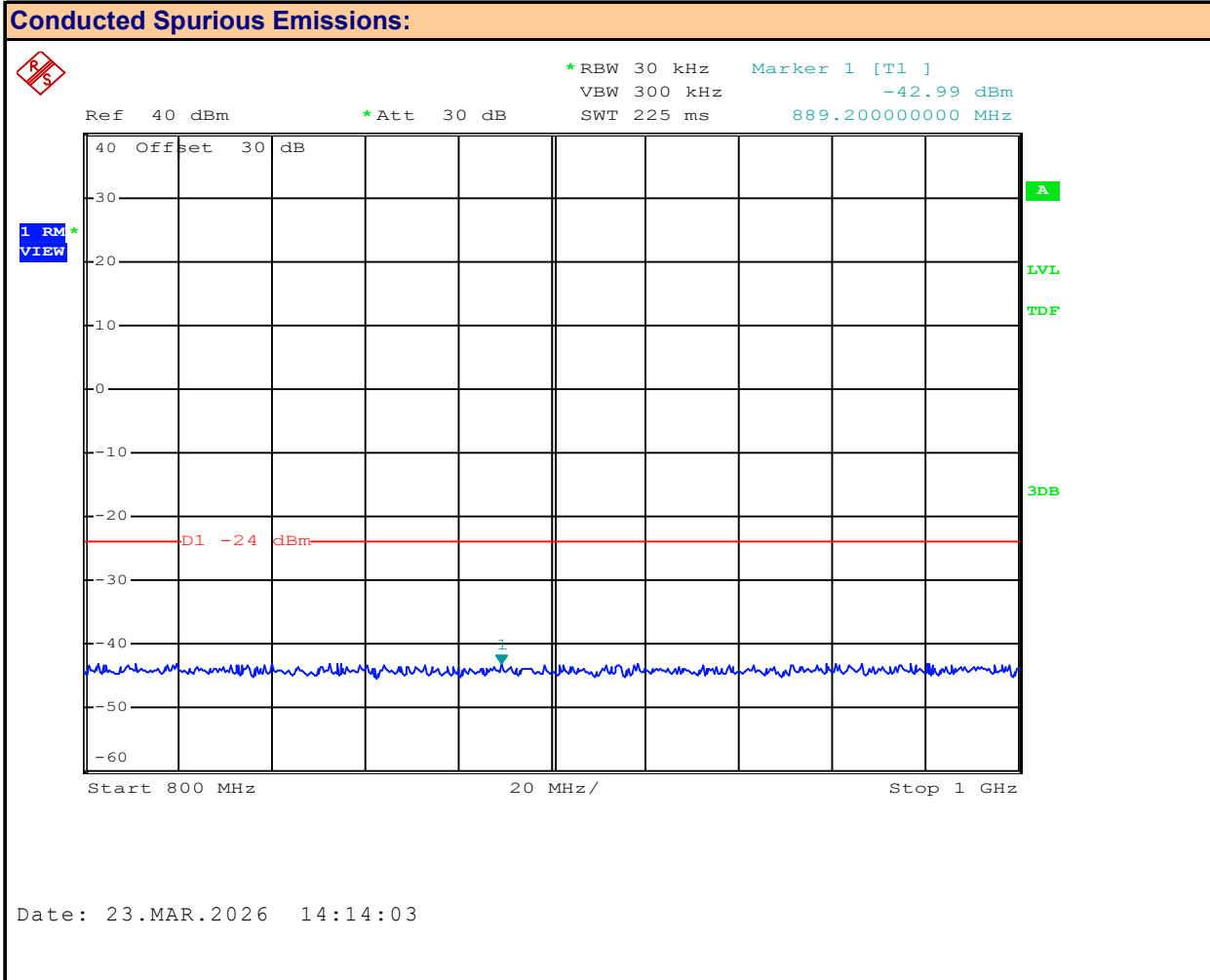


Date: 23.MAR.2026 14:13:41

Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.17 – Conducted Out of Band Emissions, 800-1000MHz, Channel 20, FM

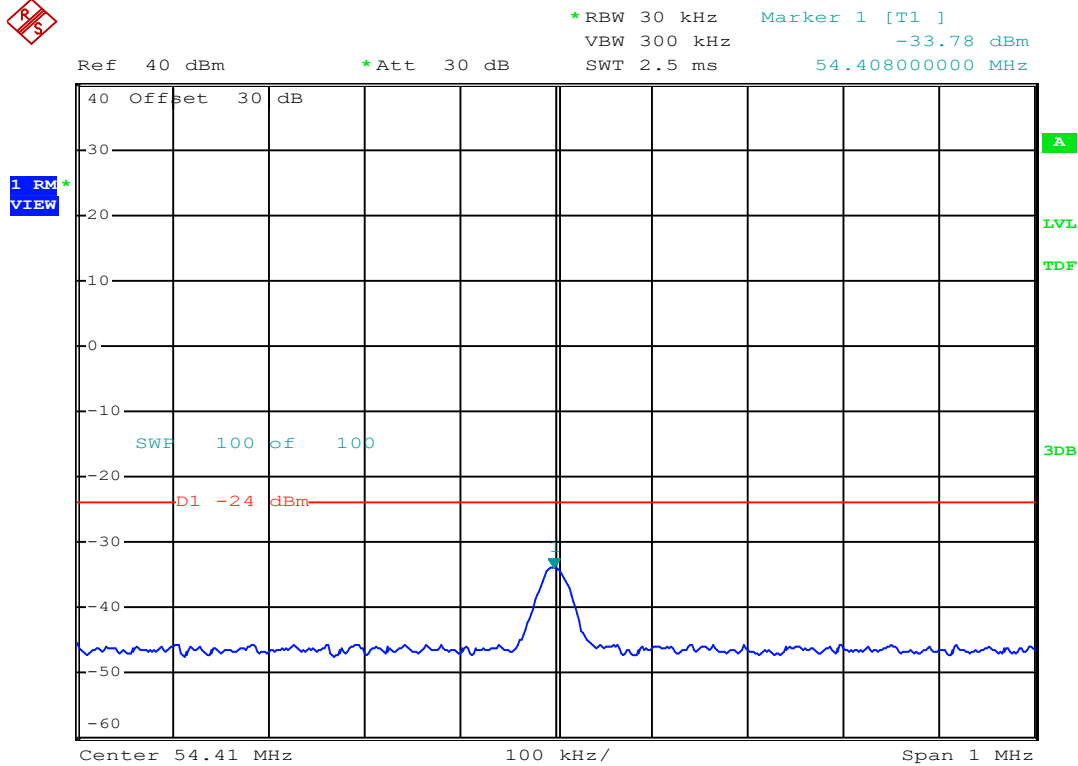


Channel: **20**
Modulation: **FM**

Channel Frequency: **27.205** MHz
Emission Frequency: **ND** MHz
Measured Emission: **ND** dBm

Plot 10.18 – Conducted Out of Band Emissions, 2nd Harmonic, Channel 20, FM

Conducted Spurious Emissions:



Date: 23.MAR.2026 14:15:02

Channel: **20**

Modulation: **FM**

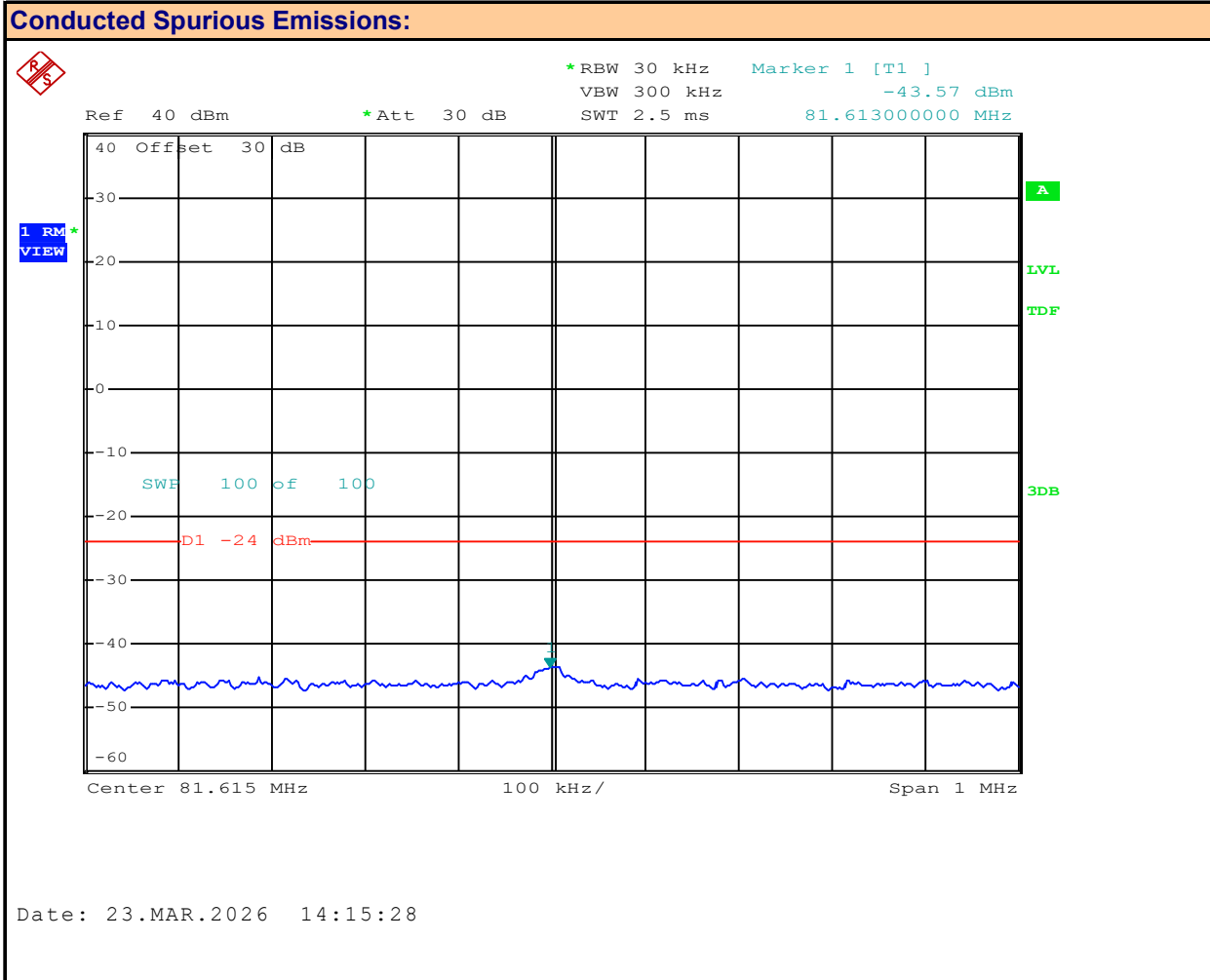
2nd Harmonic

Channel Frequency: **27.205** MHz

Emission Frequency: **54.4** MHz

Measured Emission: **-33.78** dBm

Plot 10.19 – Conducted Out of Band Emissions, 3rd Harmonic, Channel 20, FM



Channel: **20**
Modulation: **FM**
3rd Harmonic

Channel Frequency: **27.205** MHz
Emission Frequency: **81.613** MHz
Measured Emission: **-43.57** dBm

Table 10.1 – Summary of Conducted Out of Band Emissions

Conducted Spurious Emissions Measurement Results:								
Channel Number	Frequency (MHz)	Modulation	Emission Power [P _{Em}] (dBm)	Emission Frequency (MHz)	Fundamental Measurement [P _{Fund}] (dBm)	Attenuation [Atten] (dB)	Limit (dB)	Margin (dB)
20	27.205	AM	-33.93	54.40	35.91	69.84	60	9.84
			-40.95	81.62	35.91	76.86		16.86
		FM	-33.76	54.40	35.88	69.64		9.64
			-43.57	81.61	35.88	79.45		19.45
							Complies	

Attenuation [Atten] = [P_{Fund}] - [P_{Em}]

Margin = Attenuation - Limit

ND = None Detected

11.0 RADIATED SPURIOUS TX EMISSIONS

Test Conditions

Normative Reference FCC 47 CFR §95.979, RSS-236, ANSI C63.10

Limits

47 CFR §95.979
RSS-Gen
RSS-236

Each CBRS transmitter type must be designed to comply with the applicable unwanted emissions limits in this section.

(a) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) as specified in the applicable paragraphs listed in the following table:

For A3E, F3E (1), (3), (5), (6)

(1) 25 dB (decibels) in the frequency band 4 kHz to 8 kHz removed from the channel center frequency;

(3) 35 dB in the frequency band 8 kHz to 20 kHz removed from the channel center frequency;

(5) $53 + 10 \log (P)$ dB in any frequency band removed from the channel center frequency by more than 250% of the authorized bandwidth.

(6) 60 dB in any frequency band centered on a harmonic (i.e., an integer multiple of two or more times) of the carrier frequency.

(c) Measurement conditions and procedures. Subject to additional measurement standards and procedures established pursuant to part 2, subpart J, the following conditions and procedures must be used.

(1) The unwanted emissions limits requirements in this section must be met both with and without the connection of permitted attachments, such as external speakers, microphones, power cords and/or antennas.

Measurement Procedure

TIA 382 22.2

Transmitter Radiated Spurious and Harmonic Emissions

The transmitter shall be terminated in a nonradiating dummy load and shall be keyed but not modulated.

For each spurious frequency, raise and lower the receiver antenna to obtain a maximum reading on the FIM with the antenna at horizontal polarity. Then the turntable should be rotated to further increase this maximum reading. Repeat this procedure of raising and lowering the antenna and rotating the turntable until the highest possible signal has been obtained. The effect of the simulated accessory connections shall be noted, so that the measurement series producing the maximum radiation level can be recorded. Measurements were repeated with and without approved accessories.

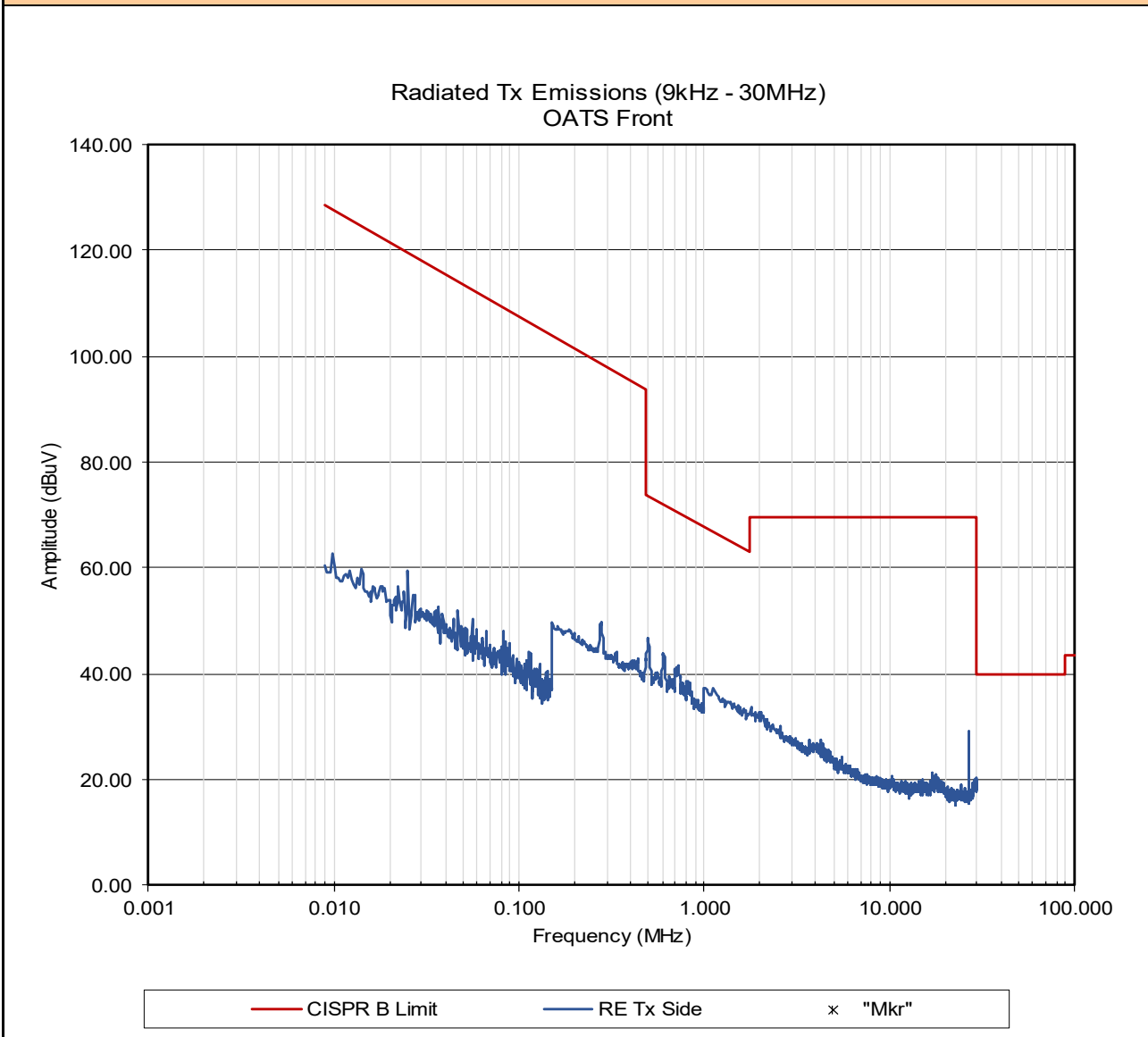
Test Setup

Appendix A

Figure A.3

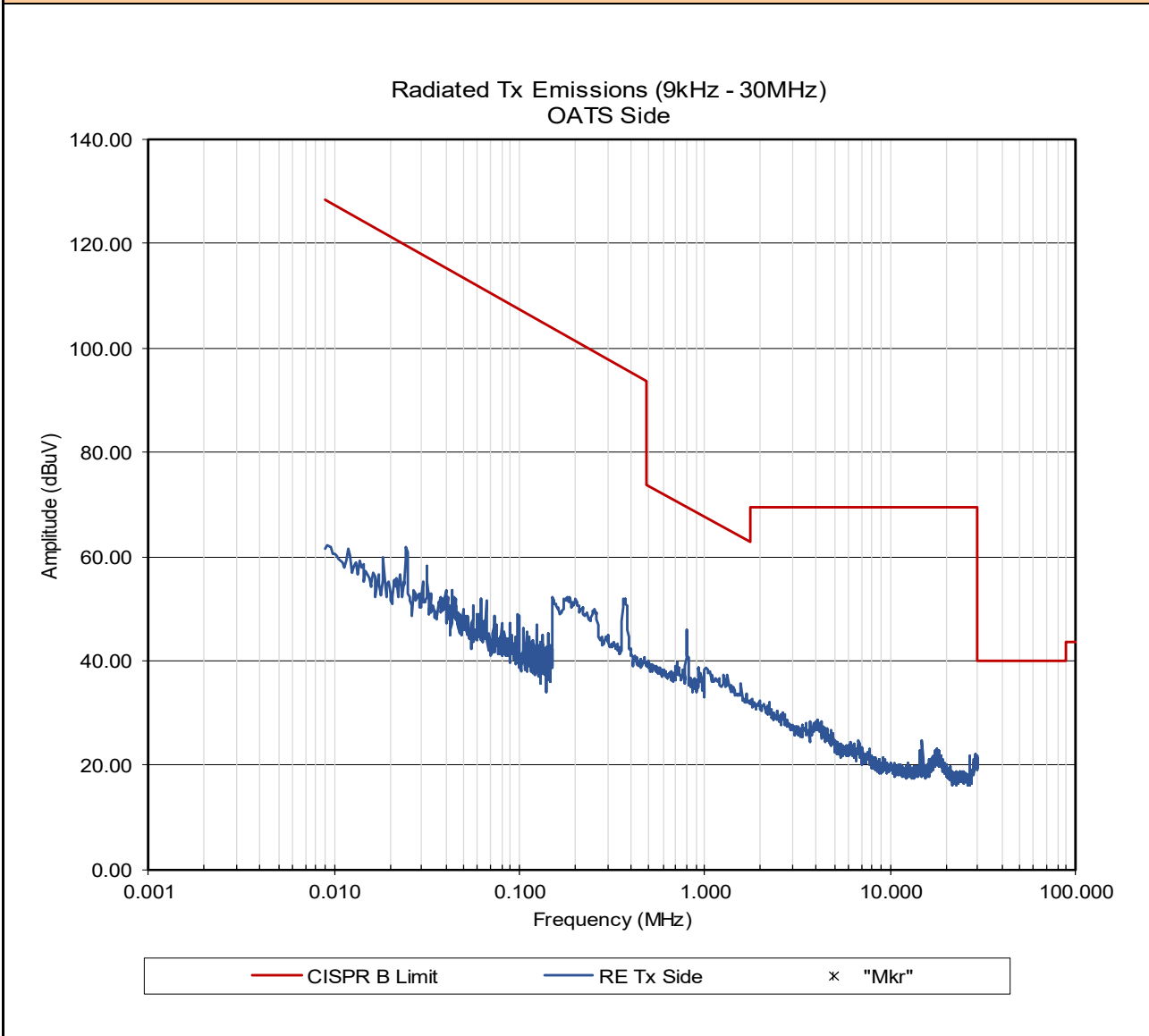
Plot 11.1 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, without Accessories, Front

Radiated Tx Emissions:



Plot 11.2 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, without Accessories, Side

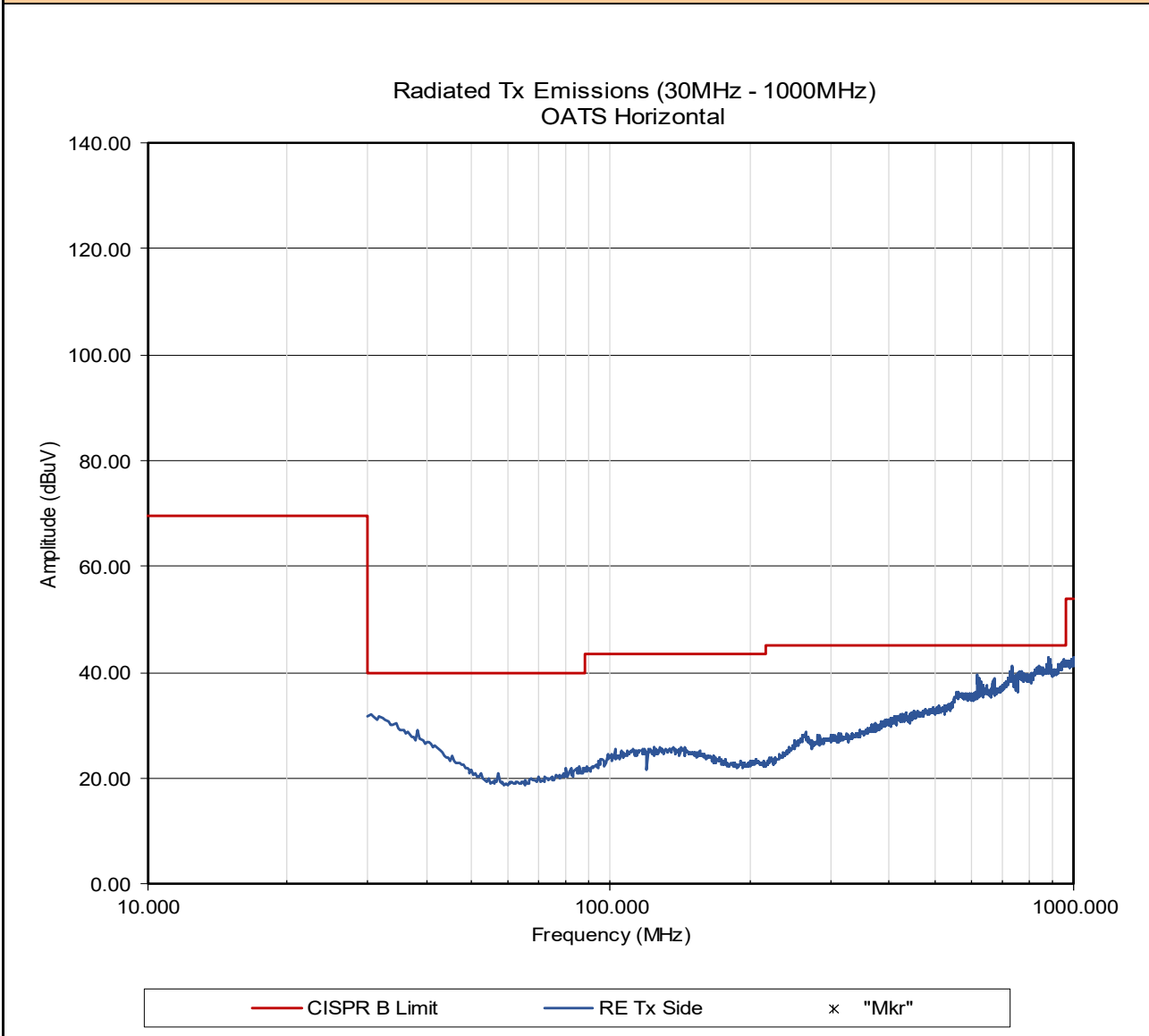
Radiated Tx Emissions:



Marker = Fundamental

Plot 11.3 – Radiated Spurious Emissions OATS, 30 - 1000MHz, without Accessories, Horizontal

Radiated Tx Emissions:



Plot 11.4 – Radiated Spurious Emissions OATS, 30 - 1000MHz, without Accessories, Vertical

Radiated Tx Emissions:

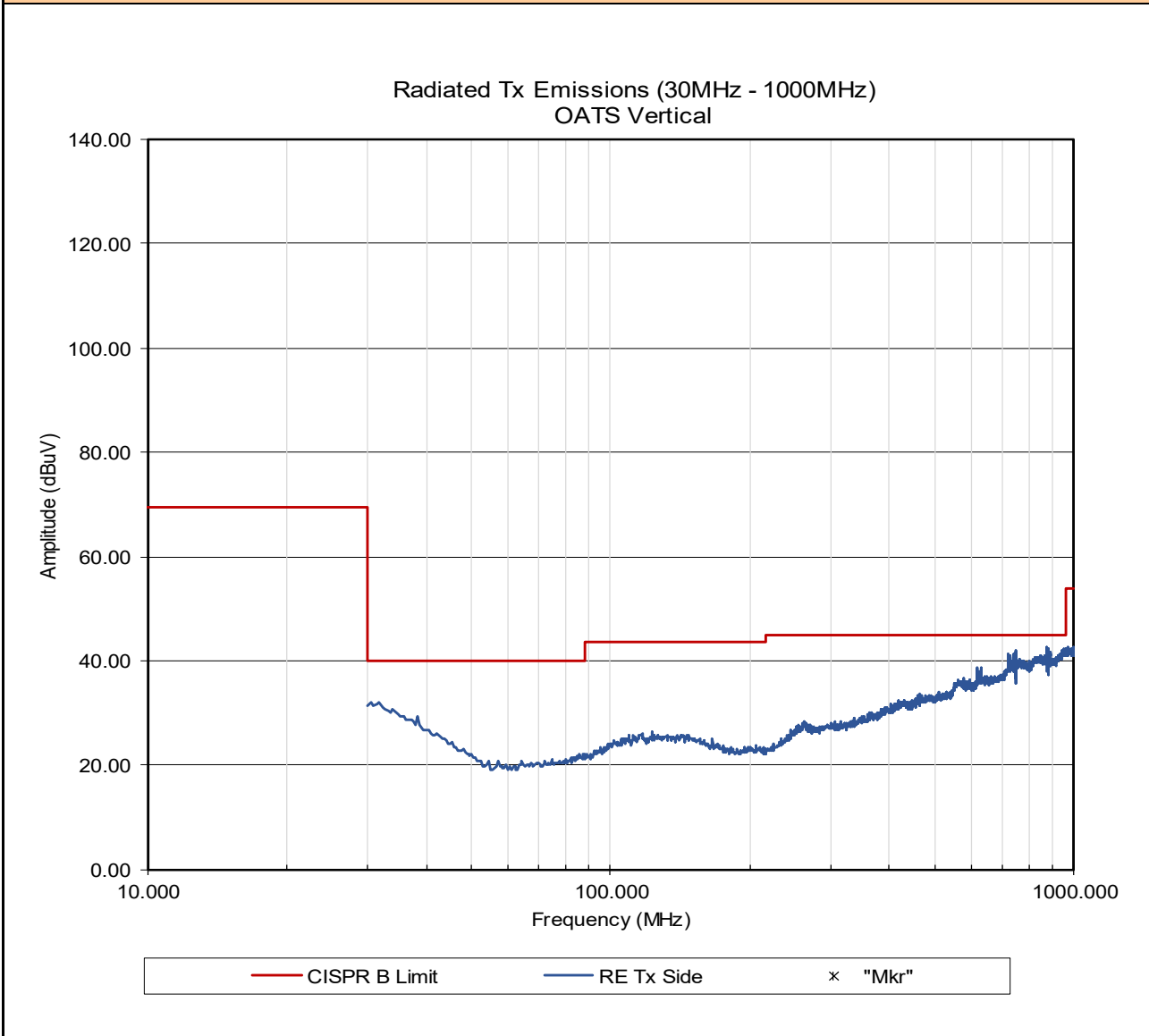


Table 11.1 – Summary of Radiated Tx Emissions, without Accessories

Summary of Radiated Tx Emissions w/o Accessories									
Measured Frequency Range (MHz)	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
.009 - 30	Front	ND	ND						-
.009 - 30	Side	ND	ND						-
30-1000	Horizontal	ND	ND						-
30-1000	Horizontal	ND	ND						-
Results:								Complies	

ND: No Emissions Detected above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF^E is the Electric Antenna Correction Factor

* Without Manufacturer's Accessories, ** With Manufacturer's Accessories

Summary of Radiated Tx Emissions ISED RSS-Gen 6.5 (Below 30MHz) w/o Accessories									
Measured Frequency Range (MHz)	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF ^H] (dB/Ωm)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [H _{Corr}] (dBuA/m)	Limit (dBuA/m)	Margin (dB)
.009 - 30	Front	ND	ND						-
.009 - 30	Side	ND	ND						-

ND: No Emissions Detected above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$H_{\text{Corr}}(\text{dBuA/m}) = E_{\text{Meas}}(\text{dBuV}) + ACF^H(\text{dB}/\Omega\text{m}) + L_C - G_A$$

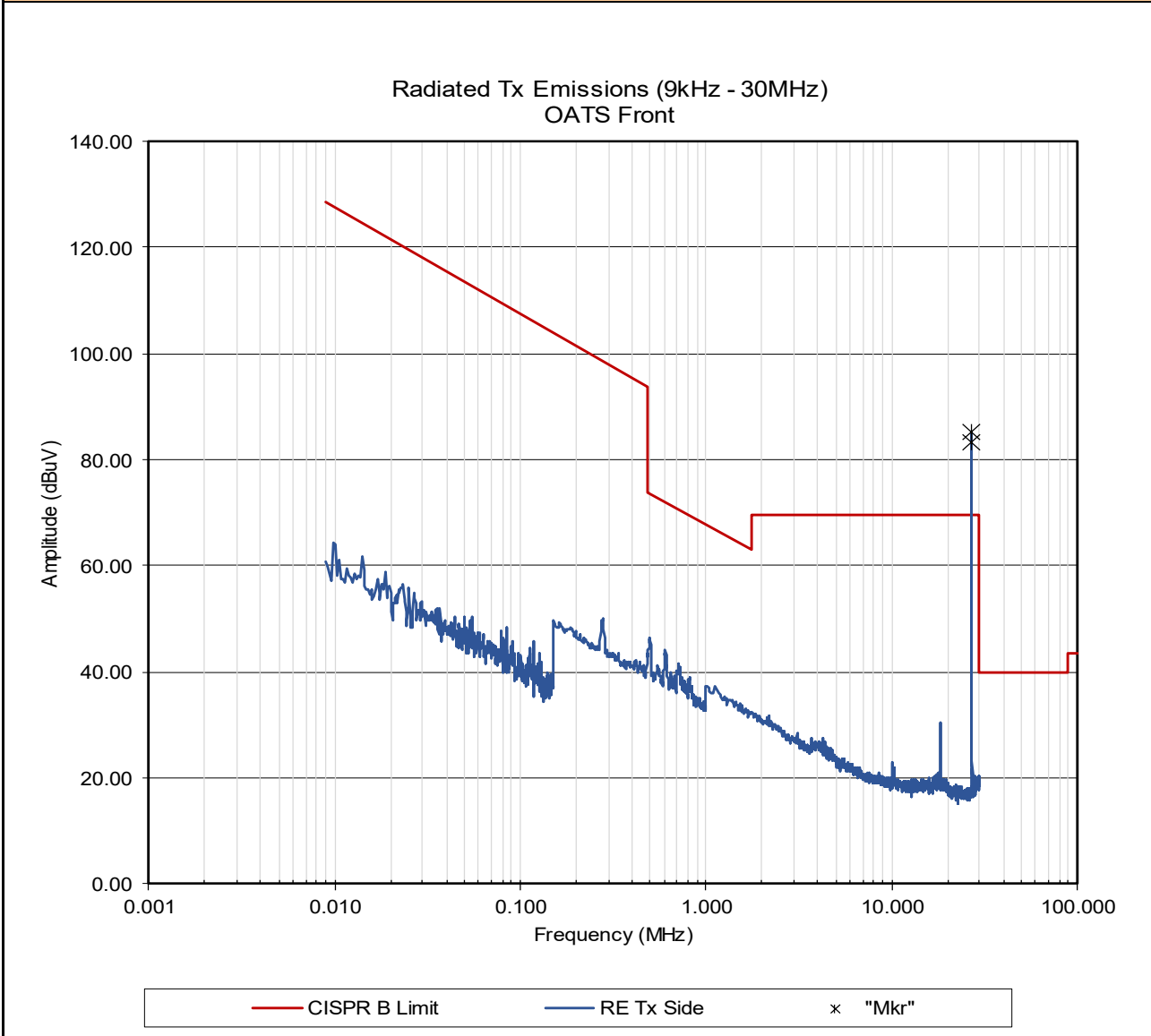
Where ACF^H is the Magnetic Antenna Correction Factor

$$ACF^H(\text{dB}/\Omega\text{m}) = ACF^E(\text{dB/m}) - Z_0(\text{dB}\Omega)$$

$$\text{Where } Z_0 = 120\pi\Omega = 377\Omega, Z_0(\text{dB}\Omega) = 20\text{Log}(377) = 51.5\text{dB}\Omega$$

Plot 11.5 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, with Accessories, Front

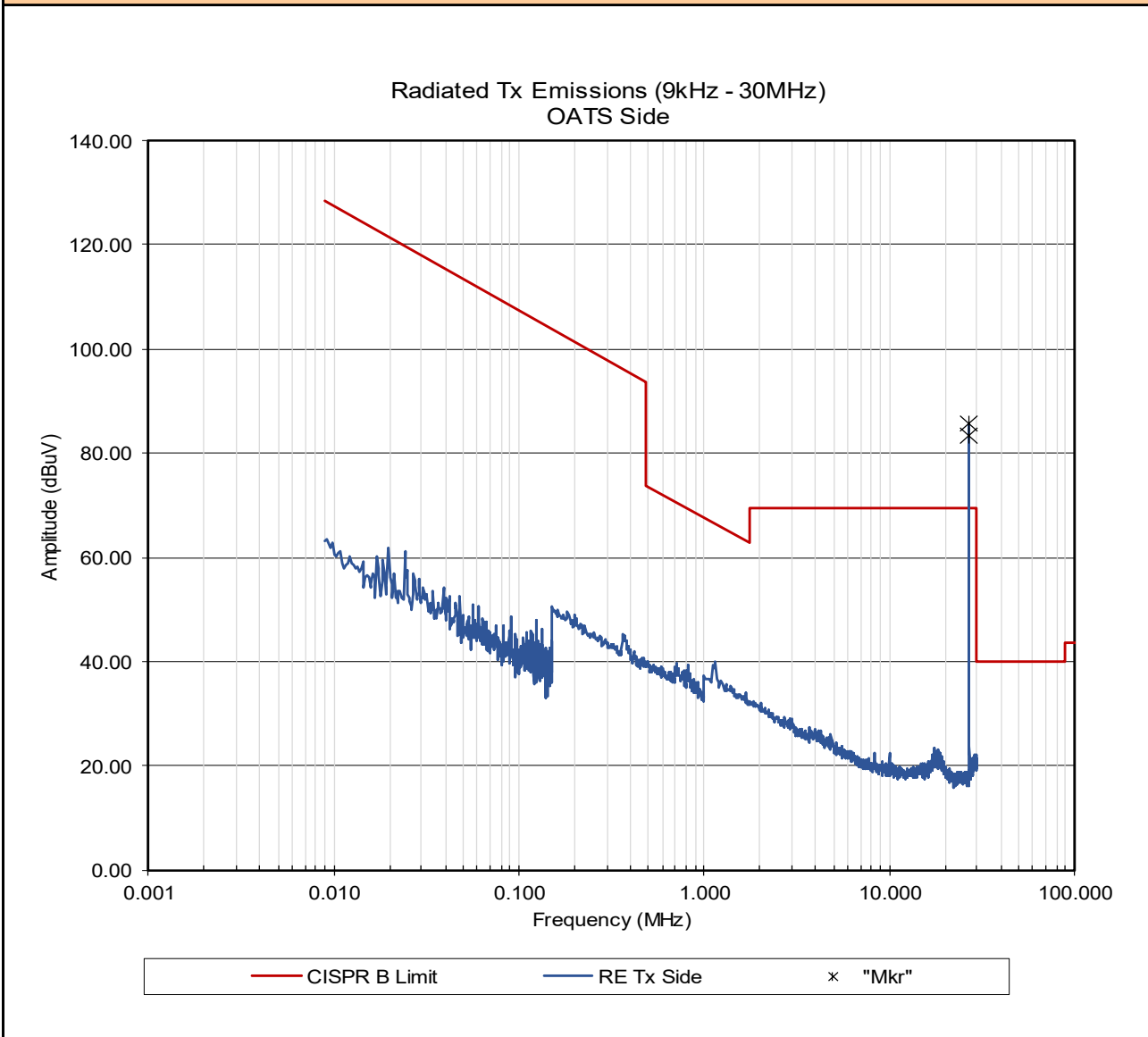
Radiated Tx Emissions:



Marker = Fundamental

Plot 11.6 – Radiated Spurious Emissions OATS, 9kHz - 30MHz, with Accessories, Side

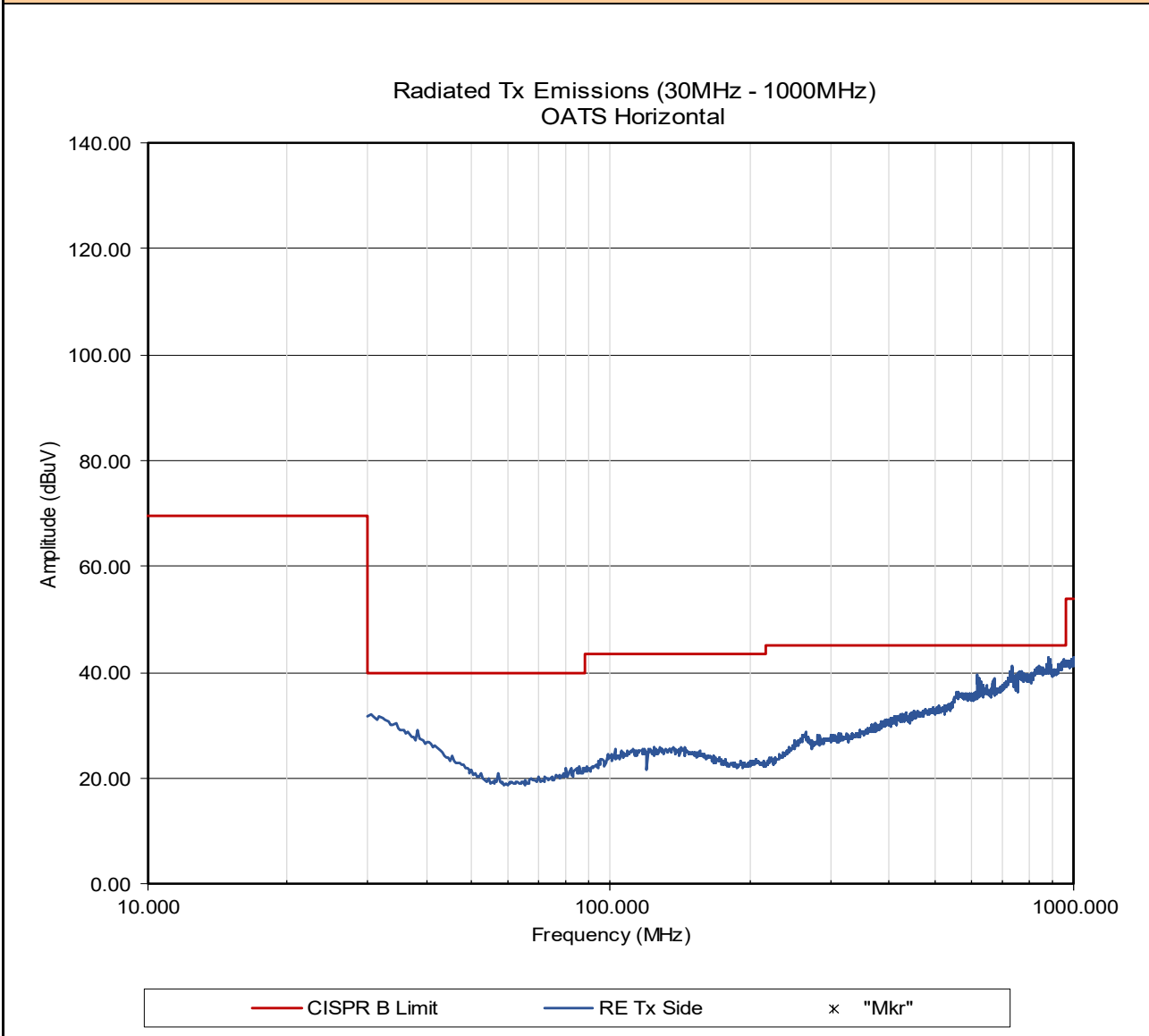
Radiated Tx Emissions:



Marker = Fundamental

Plot 11.7 – Radiated Spurious Emissions OATS, 30 - 1000MHz, with Accessories, Horizontal

Radiated Tx Emissions:



Plot 11.8 – Radiated Spurious Emissions OATS, 30 - 1000MHz, with Accessories, Vertical

Radiated Tx Emissions:

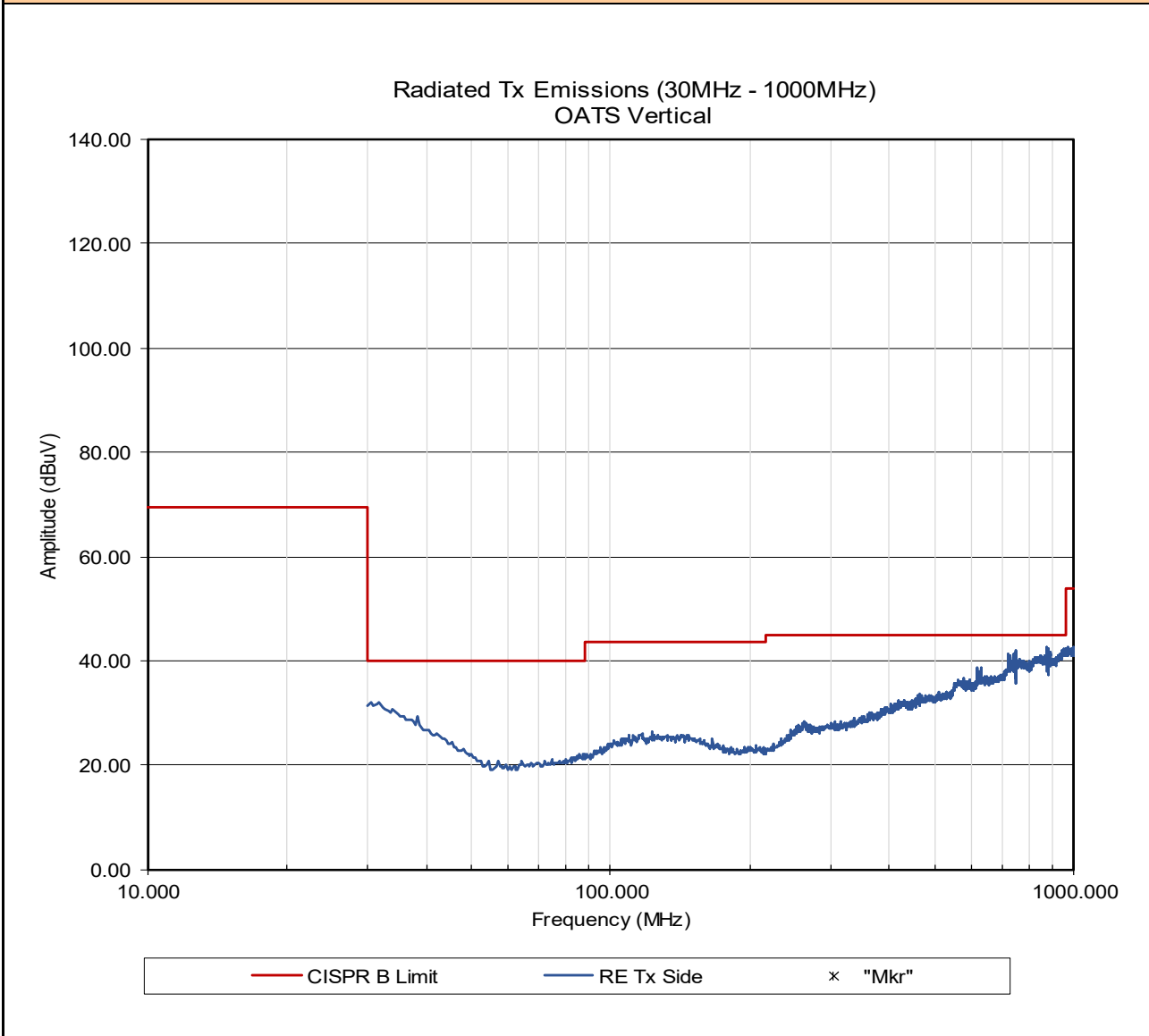


Table 11.2 – Summary of Radiated Tx Emissions, with Accessories

Summary of Radiated Tx Emissions w/ Accessories									
Measured Frequency Range (MHz)	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
.009 - 30	Front	ND	ND						-
.009 - 30	Side	ND	ND						-
30-1000	Horizontal	ND	ND						-
30-1000	Horizontal	ND	ND						-
Results:								Complies	

ND: No Emissions Detected above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF^E is the Electric Antenna Correction Factor

* Without Manufacturer's Accessories, ** With Manufacturer's Accessories

Summary of Radiated Tx Emissions ISED RSS-Gen 6.5 (Below 30MHz) w/ Accessories									
Measured Frequency Range (MHz)	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF ^H] (dB/Ωm)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [H _{Corr}] (dBuA/m)	Limit (dBuA/m)	Margin (dB)
.009 - 30	Front	ND	ND						-
.009 - 30	Side	ND	ND						-

ND: No Emissions Detected above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$H_{\text{Corr}}(\text{dBuA/m}) = E_{\text{Meas}}(\text{dBuV}) + ACF^H(\text{dB}/\Omega\text{m}) + L_C - G_A$$

Where ACF^H is the Magnetic Antenna Correction Factor

$$ACF^H(\text{dB}/\Omega\text{m}) = ACF^E(\text{dB/m}) - Z_0(\text{dB}\Omega)$$

$$\text{Where } Z_0 = 120\pi\Omega = 377\Omega, Z_0(\text{dB}\Omega) = 20\text{Log}(377) = 51.5\text{dB}\Omega$$

12.0 FREQUENCY STABILITY

Test Conditions

Normative Reference FCC 47 CFR §2.1055, §95.965, RSS-Gen, ANSI C63.10

Limits

47 CFR §95.965	Each CBRS transmitter type must be designed such that the transmit carrier frequency (or in the case of SSB transmissions, the reference frequency) remains within 50 parts-per-million of the channel center frequencies specified in §95.963 under all normal operating conditions.
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Measurement Procedure

47 CFR §2.1055 Frequency Stability

- (a) The frequency stability shall be measured with variation of ambient temperature as follows:
- (1) From -30° to +50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.
- (b) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10° centigrade through the range. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement.
- (d) The frequency stability shall be measured with variation of primary supply voltage as follows:
- (1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

Test Setup	Appendix A	Figure A.4
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Table 13.1 – Summary of Frequency Stability Results (AM)

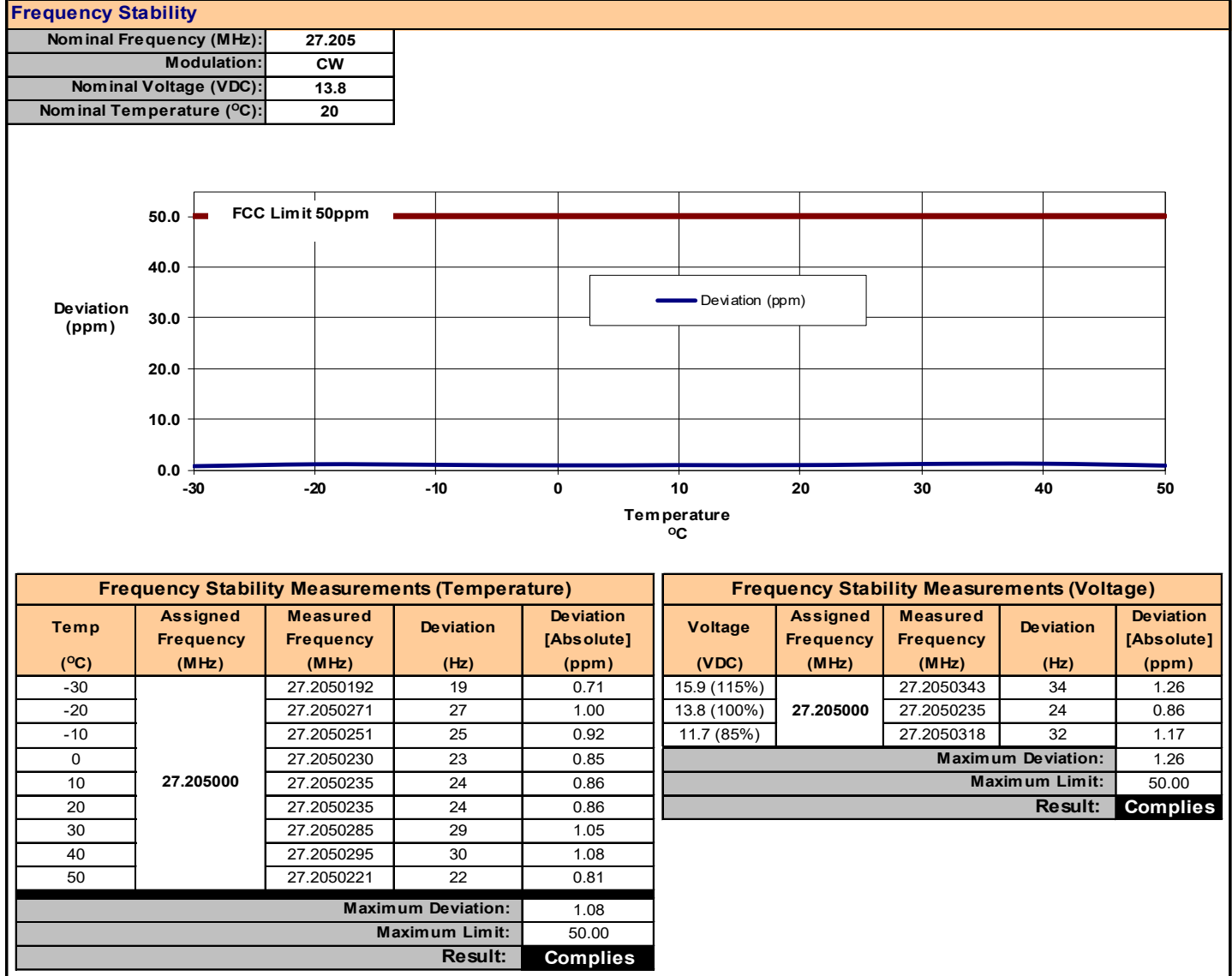
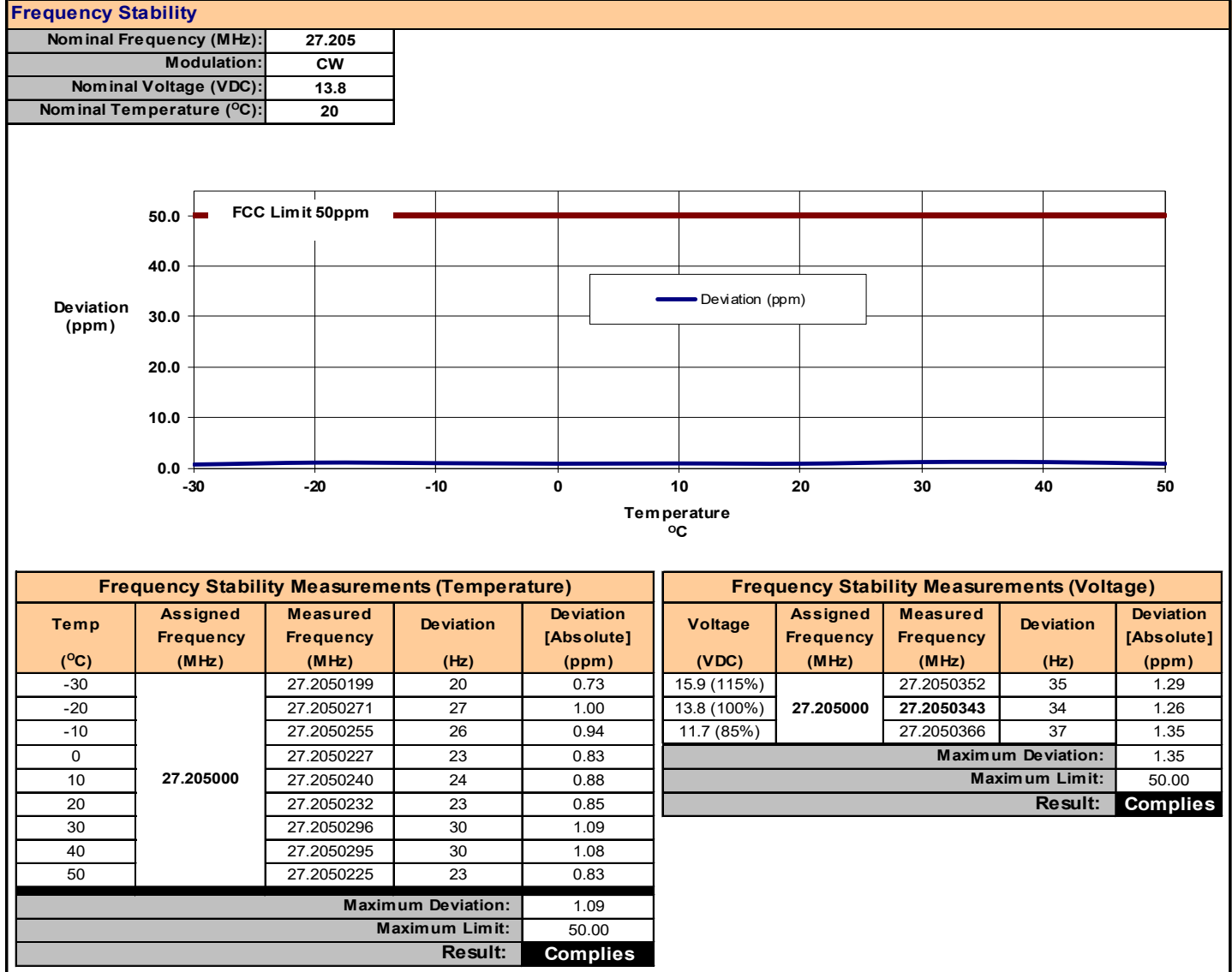


Table 13.2 – Summary of Frequency Stability Results (FM)



13.0 RADIATED SPURIOUS RECEIVER (RX) EMISSIONS / RECEIVER TESTS

Test Procedure

Normative Reference	FCC 47 CFR §15.109, ICES-003(6.2) ANSI C63.4:2014
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Limits

47 CFR §15.109	(a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values: 30-88MHz: 40dBuV/m 88-216MHz: 43.5dBuV/m 216-960MHz: 46dBuV/m > 960MHz: 54dBuV/m
ICES-003(6.2.1) RSS-Gen 8.9	6.2.1 - Radiated Emissions Limits Below 1 GHz Class B: ITE that does not meet the conditions for Class A operation shall comply with the Class B radiated limits set out in Table 5 determined at a distance of 3 metres. 30-88MHz: 40dBuV/m 88-216MHz: 43.5dBuV/m 216-960MHz: 46dBuV/m > 960MHz: 54dBuV/m

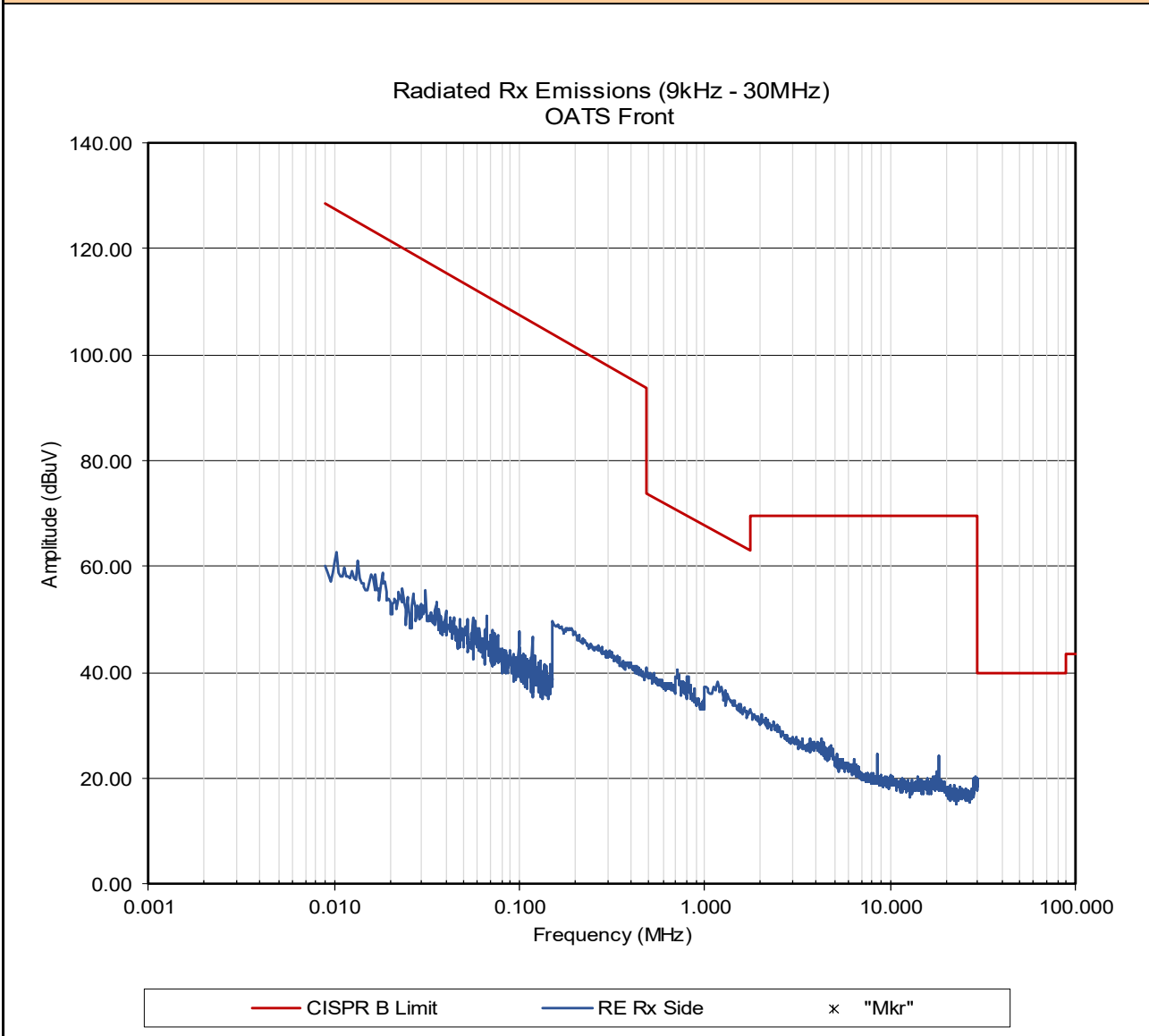
Test Setup	Appendix A Figure A.3
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Measurement Procedure

The DUT was set up as per ANSI C63.4:2014. Emissions were scanned between 30MHz and 1000MHz. The turntable was rotated 360 degrees and the antenna was elevated to 4m to optimize the measured emissions.

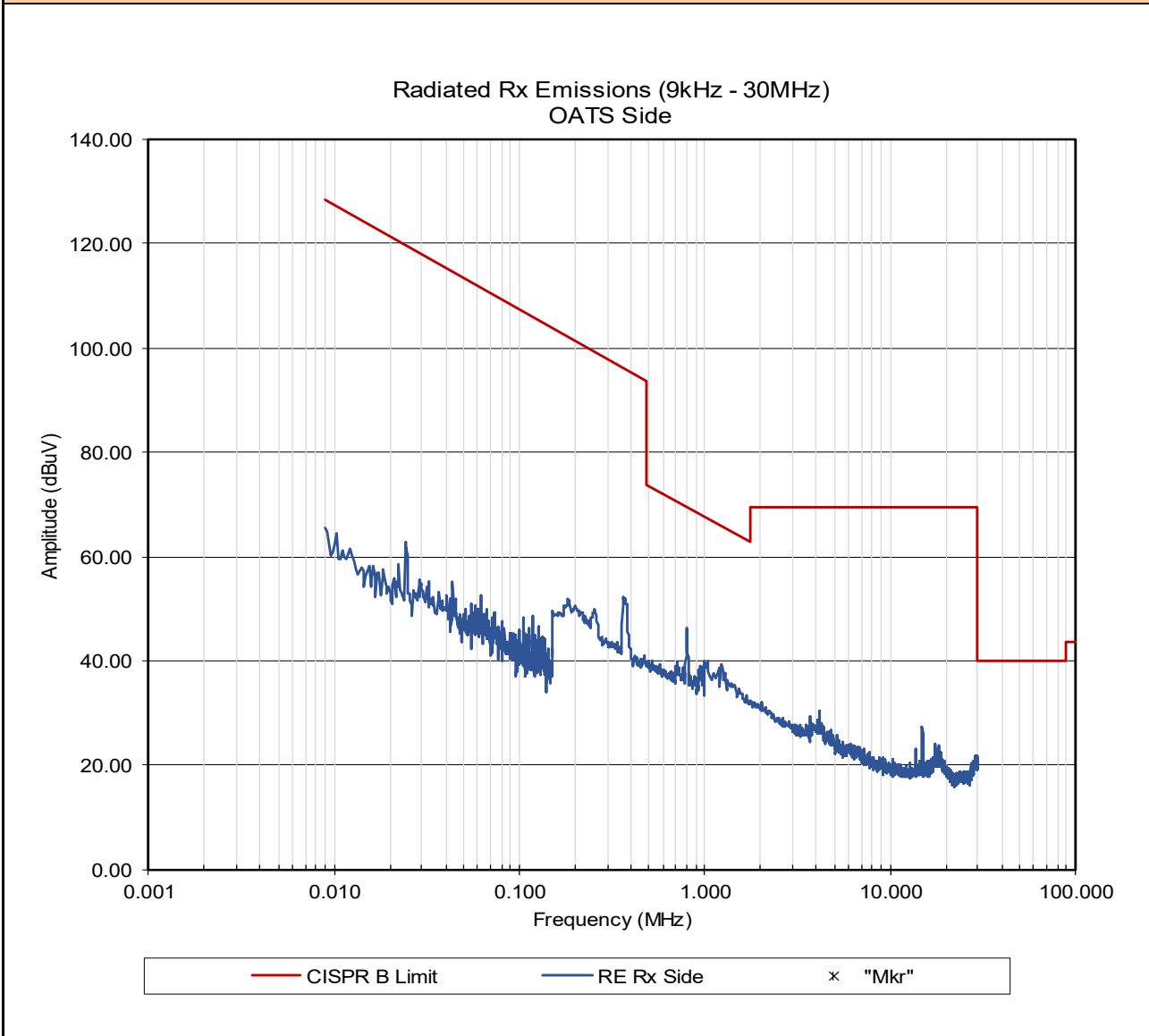
Plot 13.1 – Radiated Rx Emissions OATS, 9kHz - 30MHz, Front

Radiated Tx Emissions:



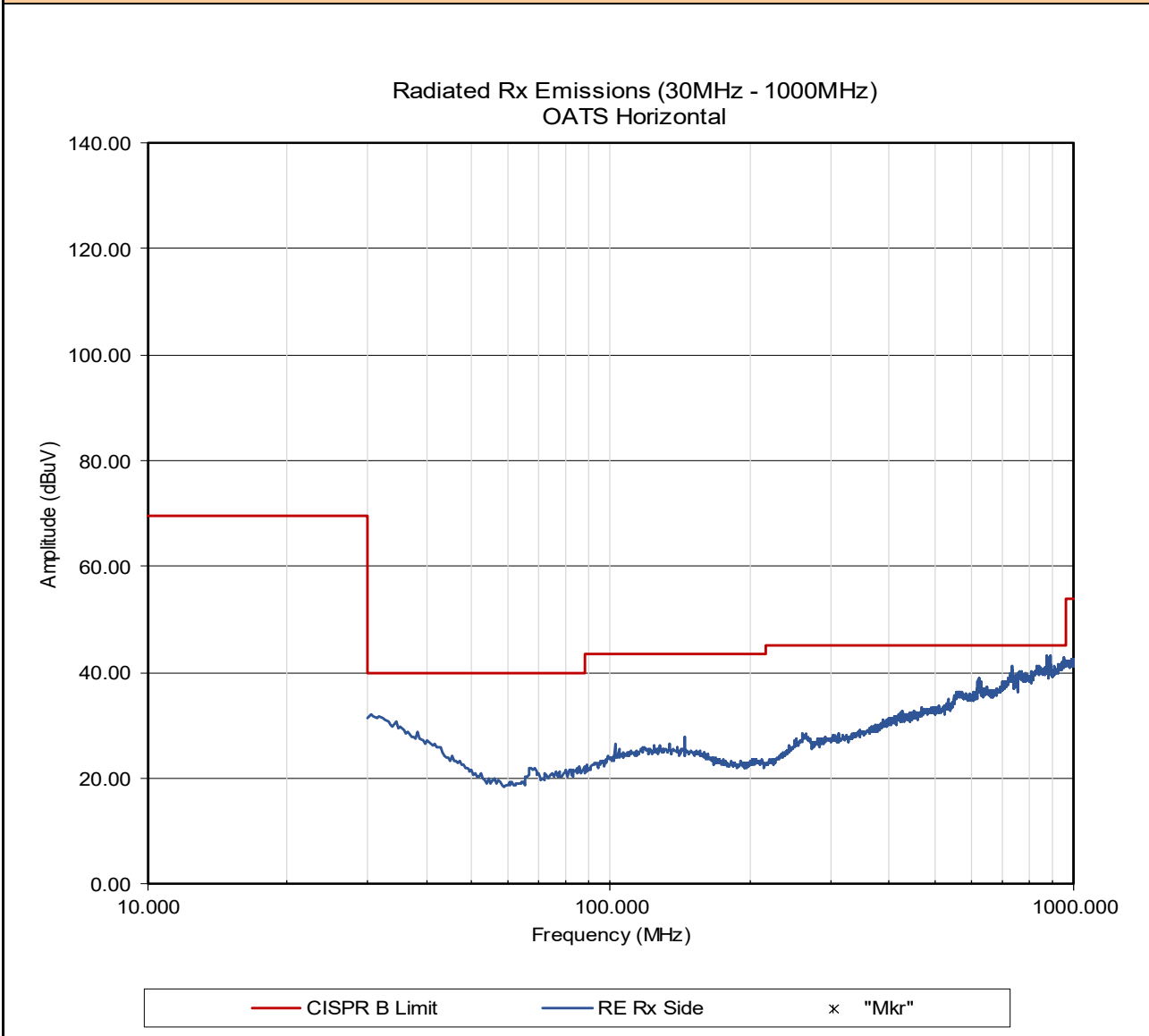
Plot 13.2 – Radiated Rx Emissions OATS, 9kHz - 30MHz, Side

Radiated Tx Emissions:



Plot 13.3– Radiated Spurious Emissions OATS, 30 - 1000MHz, Horizontal

Radiated Tx Emissions:



Plot 13.4– Radiated Spurious Emissions OATS, 30 - 1000MHz, Vertical

Radiated Tx Emissions:

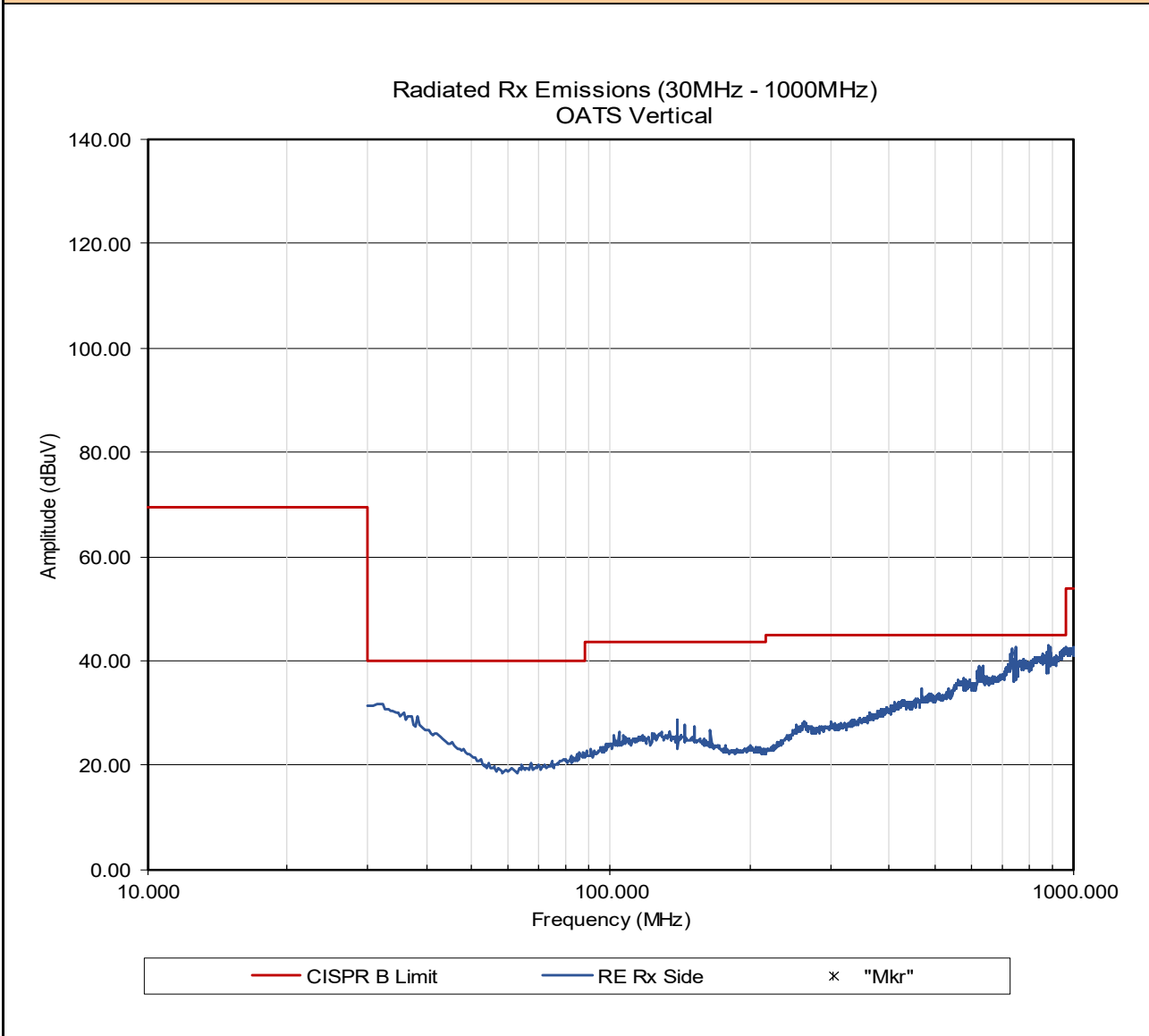


Table 13.1 – Summary of Radiated Receiver (Rx) Emissions

Summary of Radiated Rx Emissions									
Measured Frequency Range (MHz)	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _c] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)
.009 - 30	Front	ND	ND AV						-
.009 - 30	Side	ND	ND AV						-
30-1000	Horizontal	ND	ND AV						-
30-1000	Vertical	ND	ND AV						-
Results:								Complies	

ND: No Emissions Detected above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF^E is the Electric Antenna Correction Factor

* Without Manufacturer's Accessories, ** With Manufacturer's Accessories

Summary of Radiated Rx Emissions ISED RSS-Gen 6.5 (Below 30MHz)									
Measured Frequency Range (MHz)	Antenna Polarization	Emission Frequency (MHz)	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF ^H] (dB/Ωm)	Cable Loss [L _c] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [H _{Corr}] (dBuA/m)	Limit (dBuA/m)	Margin (dB)
.009 - 30	Front	ND	ND AV						-
.009 - 30	Side	ND	ND AV						-

ND: No Emissions Detected above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$H_{\text{Corr}}(\text{dBuA/m}) = E_{\text{Meas}}(\text{dBuV}) + ACF^H(\text{dB}/\Omega\text{m}) + L_C - G_A$$

Where ACF^H is the Magnetic Antenna Correction Factor

$$ACF^H(\text{dB}/\Omega\text{m}) = ACF^E(\text{dB/m}) - Z_0(\text{dB}\Omega)$$

$$\text{Where } Z_0 = 120\pi\Omega = 377\Omega, Z_0(\text{dB}\Omega) = 20\text{Log}(377) = 51.5\text{dB}\Omega$$

APPENDIX A – TEST SETUP DRAWINGS AND EQUIPMENT

Table A.1 – Setup - Conducted Measurements Equipment

Equipment List			
Asset Number	Manufacturer	Model Number	Description
00241	R&S	FSU40	Spectrum Analyzer

Figure A.1 – Test Setup Conducted Measurements

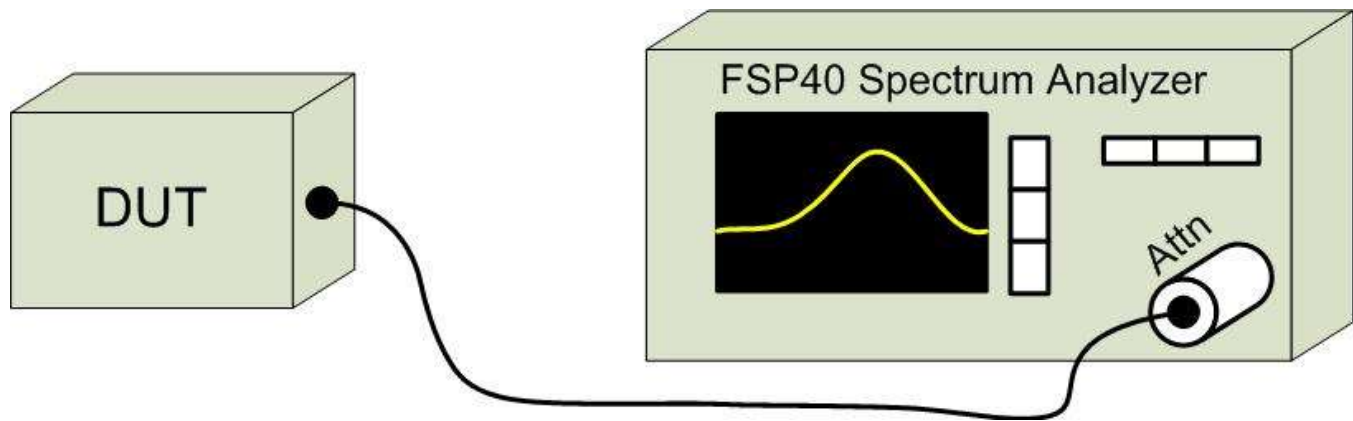


Table A.2 – Setup - Audio Modulation Equipment

Equipment List			
Asset Number	Manufacturer	Model Number	Description
00028	HP	8901A	Modulation Analyzer
00027	HP	8903B	Audio Analyzer/Generator

Figure A.2 – Test Setup Audio Modulation Response Measurements

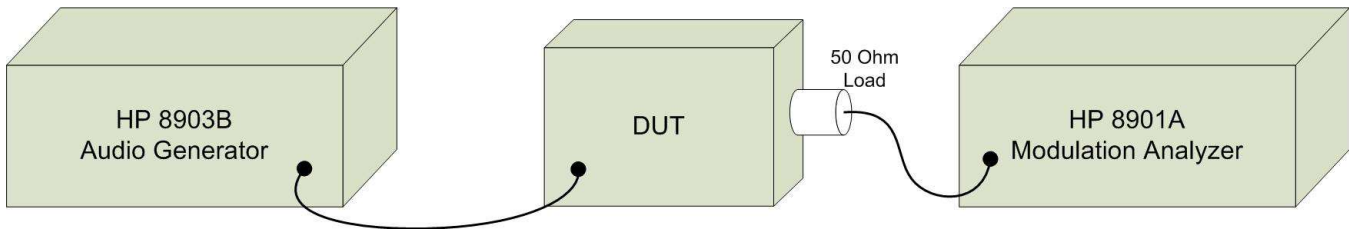


Table A.3 – Setup - Radiated Emissions Equipment

Equipment List				
Asset Number	Manufacturer	Model Number	Serial Number	Description
00050	Chase	CBL-6111A	1607	Bilog Antenna
00085	EMCO	6502	9203-2724	Loop Antenna
00241	R&S	FSU40	100500	Spectrum Analyzer
00071	EMCO	2090	9912-1484	Multi-Device Controller
00072	EMCO	2075	0001-2277	Mini-mast
00073	EMCO	2080	0002-1002	Turn Table
00275	TMS	LMR400	n/a	25m Cable
00278	TILE	34G3	n/a	TILE Test Software

NCR: No Calibration Required
COU: Calibrate On Use

Figure A.3 – Test Setup Radiated Emissions Measurements Below 30MHz

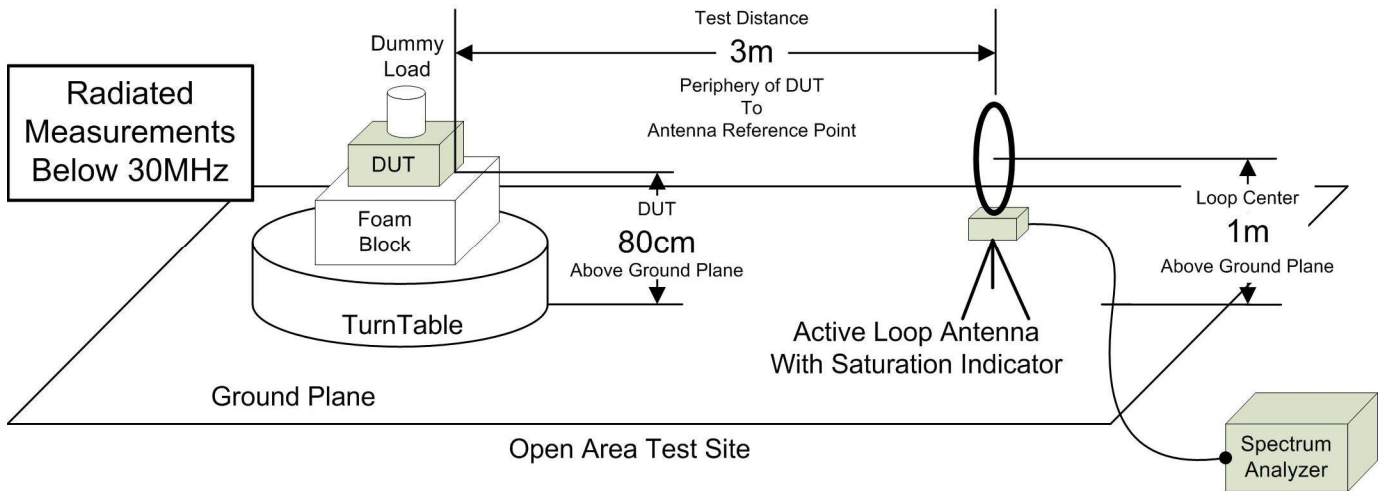


Figure A.4 – Test Setup Radiated Emissions Measurements 30-1000MHz

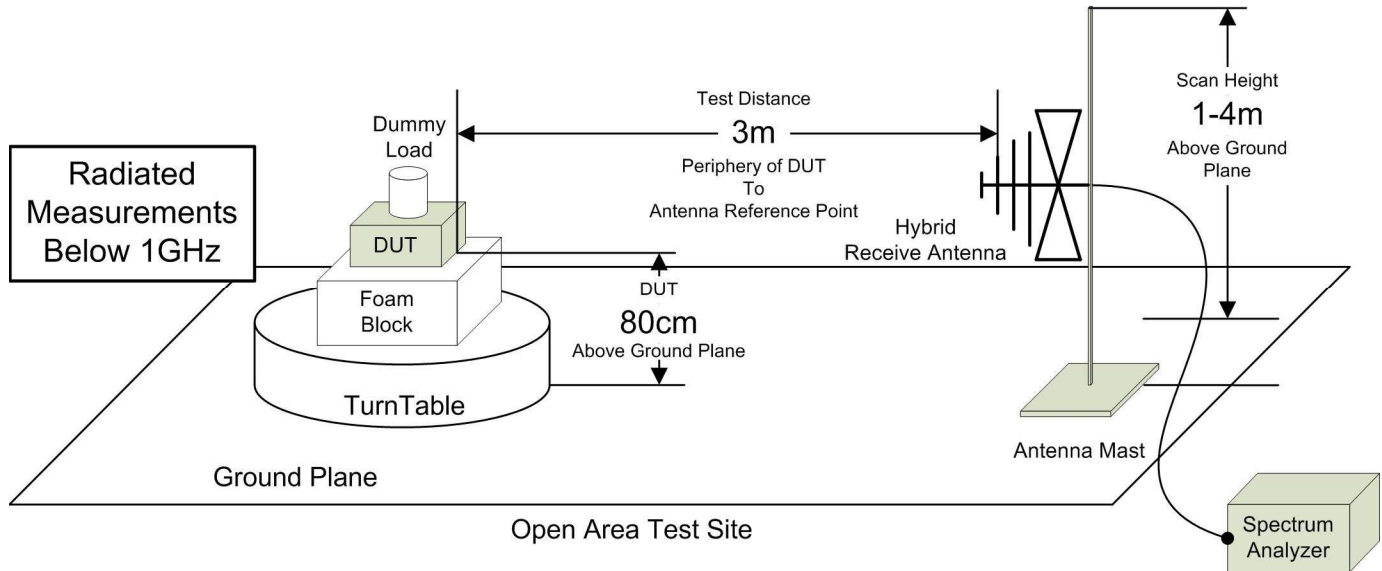
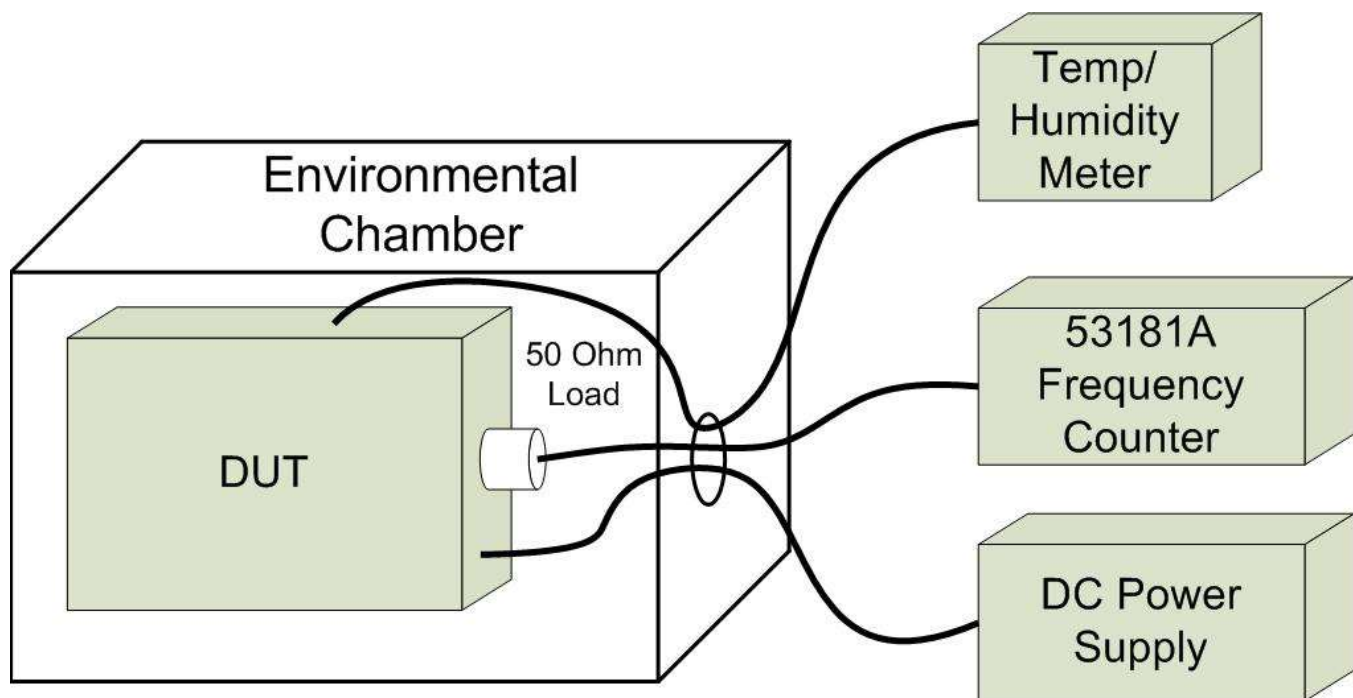


Table A.4 – Setup - Frequency Stability Measurement Equipment

Equipment List			
Asset Number	Manufacturer	Model Number	Description
n/a	ESPEC	ECT-2	Environmental Chamber
00003	HP	53181A	Frequency Counter
n/a	HP	E3611A	Power Supply
00234	VWR	61161-378	Temp/Humidity Meter

Figure A.6 – Test Setup Frequency Stability Measurements



APPENDIX B – EQUIPMENT LIST AND CALIBRATION

Equipment List							
Asset Number	Manufacturer	Model Number	Serial Number	Description	Last Calibrated	Calibration Interval	Calibration Due
00050	Chase	CBL-6111A	1607	Bilog Antenna	16 Nov 2023	Triennial	16 Nov 2026
00085	EMCO	6502	9203-2724	Loop Antenna	9 Oct 2025	Triennial	9 Oct 2028
00241	R&S	FSU40	100500	Spectrum Analyzer	6 Sep 2024	Triennial	6 Sep 2027
00003	HP	53181A	3736A05175	Frequency Counter	28 Jun 2023	Triennial	28 Jun 2026
00250	Circuit Test	DMR-1800	TE182	Digital Multi-Meter - DVM	26 Jun 2023	Triennial	26 Jun 2026
00071	EMCO	2090	9912-1484	Multi-Device Controller	n/a	n/a	n/a
00072	EMCO	2075	0001-2277	Mini-mast	n/a	n/a	n/a
00073	EMCO	2080	0002-1002	Turn Table	n/a	n/a	n/a
00081	ESPEC	ECT-2	0510154-B	Environmental Chamber	NCR	n/a	CNR
00234	VWR	61161-378	140320430	Temp/Humidity Meter	New	Triennial	New
00263	Koaxis	KP10-1.00M-TD	263	1m Armoured Cable	COU	n/a	COU
00065	Pasternack	PE7014-30	n/a	30dB, 5W Attenuator	COU	n/a	COU
00130	Pasternack	PE7019-30	n/a	30dB, 50W Attenuator	COU	n/a	COU
00275	TMS	LMR400	n/a	25m Cable	COU	n/a	COU
00278	TILE	34G3	n/a	TILE Test Software	NCR	n/a	NCR

NCR: No Calibration Required

COU: Calibrate On Use

APPENDIX C – MEASUREMENT INSTRUMENT UNCERTAINTY

CISPR 16-4 Measurement Uncertainty (U_{LAB})

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

Radiated Emissions 30MHz - 200MHz

$$U_{LAB} = 5.14\text{dB} \quad U_{CISPR} = 6.3\text{dB}$$

Radiated Emissions 200MHz - 1000MHz

$$U_{LAB} = 5.90\text{dB} \quad U_{CISPR} = 6.3\text{dB}$$

Radiated Emissions 1GHz - 6GHz

$$U_{LAB} = 4.80\text{dB} \quad U_{CISPR} = 5.2\text{dB}$$

Radiated Emissions 6GHz - 18GHz

$$U_{LAB} = 5.1\text{dB} \quad U_{CISPR} = 5.5\text{dB}$$

Power Line Conducted Emissions 9kHz to 150kHz

$$U_{LAB} = 2.96\text{dB} \quad U_{CISPR} = 3.8\text{dB}$$

Power Line Conducted Emissions 150kHz to 30MHz

$$U_{LAB} = 3.12\text{dB} \quad U_{CISPR} = 3.4\text{dB}$$

If the calculated uncertainty U_{lab} is **less** than U_{CISPR} then:

- | | |
|---|---|
| 1 | Compliance is deemed to occur if NO measured disturbance exceeds the disturbance limit |
| 2 | Non-Compliance is deemed to occur if ANY measured disturbance EXCEEDS the disturbance limit |

If the calculated uncertainty U_{lab} is **greater** than U_{CISPR} then:

- | | |
|---|--|
| 3 | Compliance is deemed to occur if NO measured disturbance, increased by ($U_{lab} - U_{CISPR}$), exceeds the disturbance limit |
| 4 | Non-Compliance is deemed to occur if ANY measured disturbance, increased by ($U_{lab} - U_{CISPR}$), EXCEEDS the disturbance limit |

Other Measurement Uncertainties (U_{LAB})

RF Conducted Emissions 9kHz - 40GHz

$$U_{LAB} = 1.0\text{dB} \quad U_{CISPR} = \text{n/a}$$

Frequency/Bandwidth 9kHz - 40GHz

$$U_{LAB} = 0.1\text{ppm} \quad U_{CISPR} = \text{n/a}$$

Temperature

$$U_{LAB} = 1^{\circ}\text{C} \quad U_{CISPR} = \text{n/a}$$

END OF REPORT