

RADIO TEST REPORT

REP061278

Date of issue: October 18, 2024

Applicant:

**Andrew Wireless Systems Industriering 10, Buchdorf 86675
Germany**

Product:

RPM-A61L1-25

Model:

7847591-02

Model variant:

None

FCC ID:

XS5-RPML2-B25

IC Registration number:

NA

Specifications:

◆ **FCC 47 CFR Part 24E**

Personal Communications Services - Broadband PCS

Lab and test locations

Company name	Nemko Spa
Address	Via del Carroccio, 4
City	Biassono
Province	MB
Postal code	20853
Country	Italy
Telephone	+39 039 220 12 01
Website	+39 039 220 12 21

Tested by	O. Frau
Signature	
Reviewed by	D. Guarnone
Review date	October 28, 2024
Signature	

Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report. This test report has been completed in accordance with the requirements of ISO/IEC 17025. All results contained in this report are within Nemko Spa ISO/IEC 17025 accreditation.

Copyright notification

Nemko Spa authorizes the applicant to reproduce this report provided it is reproduced in its entirety and for use by the company's employees only. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Nemko Spa accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Table of contents

Table of contents	3
Section 1. Report summary	4
1.1 Applicant and manufacturer	4
1.2 Test specifications	4
1.3 Statement of compliance	4
1.4 Exclusions	4
1.5 Test report revision history	4
Section 2. Summary of test results	5
2.1 FCC Part 24E test results	5
Section 3. Equipment under test (EUT) details	6
3.1 Sample information	6
3.2 EUT information	6
3.3 Technical information	6
3.4 Product description and theory of operation	6
3.5 EUT exercise details	6
3.6 EUT setup diagram	7
Section 4. Engineering considerations	8
4.1 Modifications incorporated in the EUT	8
4.2 Technical judgment	8
4.3 Deviations from laboratory tests procedures	8
Section 5. Test conditions	9
5.1 Atmospheric conditions	9
5.2 Power supply range	9
Section 6. Measurement uncertainty	10
6.1 Uncertainty of measurement	10
Section 7. Test equipment	11
7.1 Test equipment list	11
Section 8. Testing data	12
8.1 FCC §2.1033(c)(4) Modulation type	12
8.2 FCC §2.1049(h) 99% Occupied Bandwidth and frequency ranges	13
8.3 FCC §2.1049(h) 26 dB Occupied Bandwidth	42
8.4 FCC 24.232(c) Power and antenna height limits	71
8.5 FCC 24.232(d) Power and antenna height limits - Peak to Average Power Ratio	97
8.6 FCC 24.238(a) Emission limitations for Broadband PCS equipment	126
8.7 FCC 24.235 Frequency Stability	201
Section 9. Block diagrams of test setups	202
9.1 Conducted emissions set-up	202
9.2 Radiated emissions set-up	203

Section 1. Report summary

1.1 Applicant and manufacturer

Company name	Andrew Wireless Systems
Address	Industriering 10,
City	Buchdorf
Province/State	--
Postal/Zip code	86675
Country	Germany

1.2 Test specifications

FCC 47 CFR Part 27	Miscellaneous Wireless Communications Services
--------------------	--

1.3 Statement of compliance

In the configuration tested, the EUT was found compliant.

Testing was performed against all relevant requirements of the test standard. Results obtained indicate that the product under test complies in full with the requirements tested. The test results relate only to the items tested.

See "Summary of test results" for full details.

1.4 Exclusions

None

1.5 Test report revision history

Revision #	Details of changes made to test report
REP061278	Original report issued

Section 2. Summary of test results

2.1 FCC Part 24E test results

Part	Test description	Verdict
§2.1033(c)(4)	Modulation type	Pass
§2.1049(h)	99% and 26 dB occupied bandwidth	Pass
§24.229	Frequencies	Pass
§24.232(c)	Power and antenna height limits	Pass
§24.232(d)	Peak to average power ratio	Pass
§24.238(a)	Conducted and radiated spurious emissions	Pass
§24.235	Frequency stability	Pass

Note: None.

Section 3. Equipment under test (EUT) details

3.1 Sample information

Receipt date	August 29, 2024
Nemko sample ID number	PRJ00630770002

3.2 EUT information

Product name	RPM-A61L1-25
Model	7847591-02
Part Number	7847591-02
Serial number	SZRMAG24170035

3.3 Technical information

Frequency band	n25: 1930-1995 MHz
RF power Max (W), Conducted	max Port 1 = 25.1 dBm (0.32 W) – max Port 2 = 24.7 dBm (0.30 W); max comb. Port 1 + Port 2 = 27.8 dBm (0.60 W) @ 1985.0 MHz (with 20 MHz bandwidth)
Supported bandwidths:	5, 10, 15, 20 MHz
Type of modulation	TM1.1, TM3p1, TM3p1a, TM3p3 (QPSK, 16QAM, 64QAM, 256QAM)
Power requirements	48 Vdc
Antenna information	The EUT uses a unique antenna coupling/ non-detachable antenna to the intentional radiator.
Antenna gain	5.9 dBi

3.4 Product description and theory of operation

The radio unit (RU) is one of the components to configure the 4G RAN mobile communication system.

3.5 EUT exercise details

A laptop computer was used to send test commands to EUT to force it to transmit the appropriate signal. Unit transmit the selected signal at full power. The unit was tested using a conducted port. The antenna installation shall be done by professionals, and they are not within the scope of the tests evaluated on this document.

3.6 EUT setup diagram

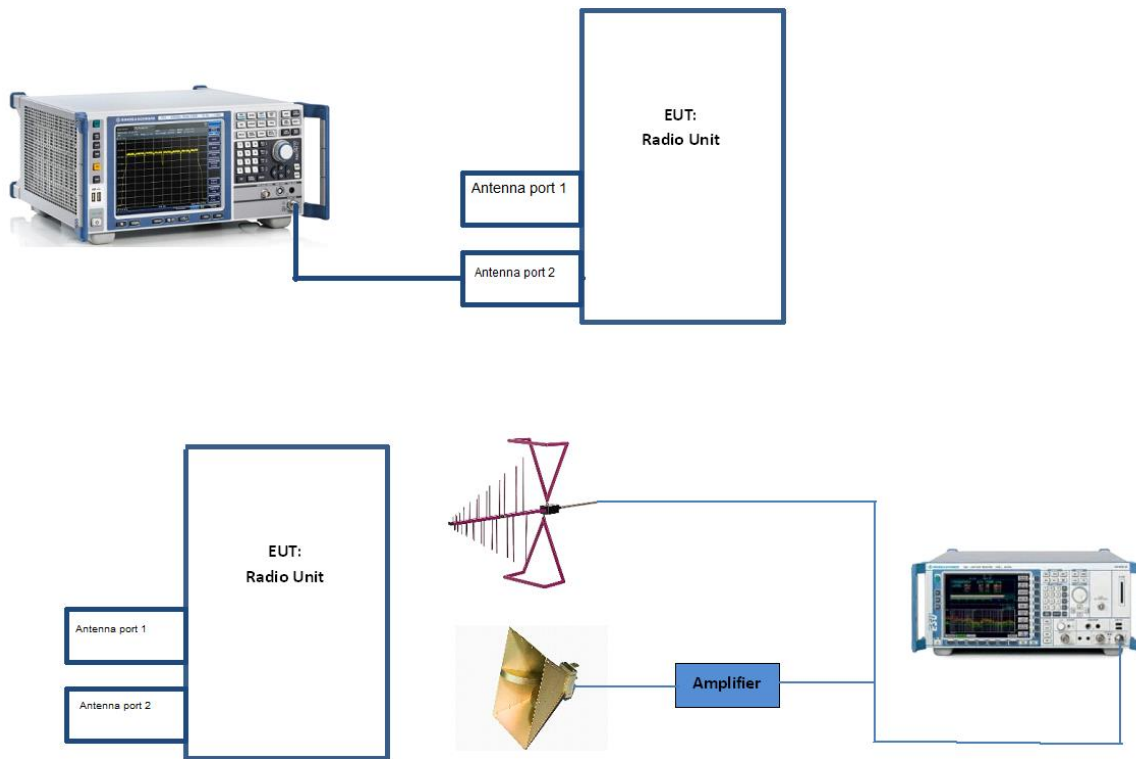


Figure 3.6-1: Setup diagram

Section 4. Engineering considerations

4.1 Modifications incorporated in the EUT

There were no modifications performed to the EUT during this assessment.

4.2 Technical judgment

None

4.3 Deviations from laboratory tests procedures

No deviations were made from laboratory procedures.

Section 5. Test conditions

5.1 Atmospheric conditions

Temperature	15 °C – 35 °C
Relative humidity	20 % – 75 %
Air pressure	86 kPa (860 mbar) – 106 kPa (1060 mbar)

When it is impracticable to carry out tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests shall be recorded and stated.

The following instruments are used to monitor the environmental conditions:

Equipment	Manufacturer	Model no.	Asset no.	Cal date	Next cal.
Thermo-hygrometer data loggers	Testo	175-H2	20012380/305	2022-12	2024-12
Thermo-hygrometer data loggers	Testo	175-H2	38203337/703	2022-12	2024-12
Barometer	Castle	GPB 3300	072015	2024-04	2025-04

5.2 Power supply range

The normal test voltage for equipment to be connected to the mains shall be the nominal mains voltage. For the purpose of the present document, the nominal voltage shall be the declared voltage, or any of the declared voltages $\pm 5\%$, for which the equipment was designed.

Section 6. Measurement uncertainty

6.1 Uncertainty of measurement

The measurement uncertainty was calculated for each test and quantity listed in this test report, according to CISPR 16-4-2, ETSI TR 100 028-1, ETSI TR 100 028-2 and other specific test standards and is documented in Nemko Spa working manuals WML1002 and WML0078.

The assessment of conformity for each test performed on the equipment is performed not taking into account the measurement uncertainty. The two following possible verdicts are stated in the report:

P (Pass) - The measured values of the equipment respect the specification limit at the points tested. The specific risk of false accept is up to 50% when the measured result is close to the limit.

F (Fail) - One or more measured values of the equipment do not respect the specification limit at the points tested. The specific risk of false reject is up to 50% when the measured result is close to the limit.

Hereafter Nemko's measurement uncertainties are reported:

EUT	Type	Test	Range	Measurement Uncertainty	Notes
Transmitter	Conducted	Frequency error	0.001 MHz ÷ 40 GHz	0.08 ppm	(1)
		Carrier power RF Output Power	0.009 MHz ÷ 30 MHz	1.1 dB	(1)
			30 MHz ÷ 18 GHz	1.5 dB	(1)
			18 MHz ÷ 40 GHz	3.0 dB	(1)
			40 MHz ÷ 140 GHz	5.0 dB	(1)
			Adjacent channel power	1 MHz ÷ 18 GHz	1.4 dB
		Conducted spurious emissions	0.009 MHz ÷ 18 GHz	3.0 dB	(1)
			18 GHz ÷ 40 GHz	4.2 dB	(1)
			40 GHz ÷ 220 GHz	6.0 dB	(1)
		Intermodulation attenuation	1 MHz ÷ 18 GHz	2.2 dB	(1)
		Attack time – frequency behaviour	1 MHz ÷ 18 GHz	2.0 ms	(1)
		Attack time – power behaviour	1 MHz ÷ 18 GHz	2.5 ms	(1)
		Release time – frequency behaviour	1 MHz ÷ 18 GHz	2.0 ms	(1)
		Release time – power behaviour	1 MHz ÷ 18 GHz	2.5 ms	(1)
		Transient behaviour of the transmitter– Transient frequency behaviour	1 MHz ÷ 18 GHz	0.2 kHz	(1)
		Transient behaviour of the transmitter – Power level slope	1 MHz ÷ 18 GHz	9%	(1)
		Frequency deviation - Maximum permissible frequency deviation	0.001 MHz ÷ 18 GHz	1.3%	(1)
		Frequency deviation - Response of the transmitter to modulation frequencies above 3 kHz	0.001 MHz ÷ 18 GHz	0.5 dB	(1)
	Dwell time	-	3%	(1)	
	Hopping Frequency Separation	0.01 MHz ÷ 18 GHz	1%	(1)	
	Occupied Channel Bandwidth	0.01 MHz ÷ 18 GHz	2%	(1)	
	Modulation Bandwidth	0.01 MHz ÷ 18 GHz	2%	(1)	
Radiated	Radiated spurious emissions	0.009 MHz ÷ 26.5 GHz	6.0 dB	(1)	
		26.5 GHz ÷ 66 GHz	8.0 dB	(1)	
		66 GHz ÷ 220 GHz	10 dB	(1)	
	Effective radiated power transmitter	10 kHz ÷ 26.5 GHz	6.0 dB	(1)	
		26.5 GHz ÷ 66 GHz	8.0 dB	(1)	
		66 GHz ÷ 220 GHz	10 dB	(1)	

NOTES:

(1) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 %

Section 7. Test equipment

7.1 Test equipment list

Table 7.1-1: Equipment list

Equipment	Manufacturer	Model no.	Asset no.	Cal cycle	Next cal.
Spectrum Analyzer	Rohde & Schwarz	FSW43	101767	2024-01	2025-01
EMI Receiver	Rohde & Schwarz	ESU8	100202	2024-09	2025-09
EMI Receiver	Rohde & Schwarz	ESW44	101620	2024-08	2025-08
RF Vector Signal Generator	Rohde & Schwarz	SMBV100A	263254	2024-05	2025-05
RF Vector Signal Generator	Rohde & Schwarz	SMBV100A	263397	2024-09	2025-09
Climatic Chamber	MSL	EC500DA	15022	2024-01	2025-01
Antenna Trilog 25MHz - 8GHz	Schwarzbeck Mess-Elektronik	VULB9162	9162-025	2024-07	2027-07
Antenna 1 - 18 GHz	Schwarzbeck Mess-Elektronik	STLP9148	STLP 9148-152	2024-09	2027-09
Double Ridge Horn Antenna	RFSpin	DRH40	061106A40	2023-04	2026-04
Broadband Amplifier	Schwarzbeck Mess-Elektronik	BBV9718C	00121	2024-01	2025-01
Broadband Bench Top Amplifier	Sage	STB-1834034030-KFKF-L1	18490-01	2024-04	2025-04
Semi-anechoic chamber	Nemko S.p.a.	10m semi-anechoic chamber	530	2023-09	2025-09
Controller	Maturo	FCU3.0	10041	NCR	NCR
Tilt antenna mast	Maturo	TAM4.0-E	10042	NCR	NCR
Turntable	Maturo	TT4.0-5T	2.527	NCR	NCR
Semi-anechoic chamber	Comtest	3m SAC	1711-150	2024-09	2026-09
Controller	Maturo	FCU3.0	10237	NCR	NCR
Tilt antenna mast	Maturo	TAM4.0-E	3466.01	NCR	NCR
Turntable	Maturo	TT4.0	-	NCR	NCR
Pyramidal Horn Antenna 40-60 GHz	Sage	SAR-2507-19VF-R2	15715-01	2024-06	2027-06
Harmonic Mixer	Radiometer Physics	FS-Z60	100988	2024-01	2027-01
Cable set	Rosenberger	ST.ALO-02	1.650	2023-10	2024-10
Cable set	Rosenberger and Huber + Suhner	RE01+RE02	1.654+1.655	2024-09	2025-09
Cable set	Rosenberger+Huber-Suhner	RE03+RE04	1.510+1.511	2024-09	2025-09

Section 8. Testing data

8.1 FCC §2.1033(c)(4) Modulation type

8.1.1 Definitions and limits

(c) Applications for equipment other than that operating under parts 15, 11 and 18 of this chapter shall be accompanied by a technical report containing the following information:

(4) Type or types of emission

8.1.2 Test summary

Test date	September 26, 2024	Temperature	22 °C
Test engineer	O. Frau	Air pressure	1001 mbar
Verdict	Pass	Relative humidity	62 %

8.1.3 Observations, settings and special notes

None

8.1.4 Test data

Band n25:

Bandwidth (MHz)	Emission type
5	TM1.1
5	TM3p1
5	TM3p1a
5	TM3p3
10	TM1.1
10	TM3p1
10	TM3p1a
10	TM3p3
15	TM1.1
15	TM3p1
15	TM3p1a
15	TM3p3
20	TM1.1
20	TM3p1
20	TM3p1a
20	TM3p3

Table Errore. Per applicare Heading 2 al testo da visualizzare in questo punto, utilizzare la scheda Home.-1: Types of emission

8.2 FCC §2.1049(h) 99% Occupied Bandwidth and frequency ranges

8.2.1 Definitions and limits

§2.1049 (h) Transmitters employing digital modulation techniques—when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated. The signal shall be applied through any filter networks, pseudo-random generators or other devices required in normal service. Additionally, the occupied bandwidth shall be shown for operation with any devices used for modifying the spectrum when such devices are optional at the discretion of the use.

8.2.2 Test summary

Test start date	September 26, 2024	Temperature	22 °C
Test end date	October 11, 2024	Air pressure	1001 mbar
Test engineer	O. Frau	Relative humidity	62%
Verdict	Pass		

8.2.3 Observations, settings and special notes

Test method: ANSI C63.26 Section 5.4.4

Spectrum analyzer settings:

Resolution bandwidth	1% - 5% OBW
Video bandwidth	3*RBW
Frequency span	2*OBW
Detector mode	Peak
Trace mode	Max Hold

8.2.4 Test equipment used

Equipment	Manufacturer	Model no.	Asset no.
Spectrum Analyzer	Rohde & Schwarz	FSW43	101767

8.2.5 Test data

Band n25: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM1.1	1932.5	3.99
n25	5 MHz	TM1.1	1962.5	3.99
n25	5 MHz	TM1.1	1992.5	3.98
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM3p1	1932.5	3.97
n25	5 MHz	TM3p1	1962.5	3.97
n25	5 MHz	TM3p1	1992.5	3.98
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM3p1a	1932.5	3.99
n25	5 MHz	TM3p1a	1962.5	3.96
n25	5 MHz	TM3p1a	1992.5	3.98
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM3p3	1932.5	4.02
n25	5 MHz	TM3p3	1962.5	4.02
n25	5 MHz	TM3p3	1992.5	4.01
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM1.1	1935.0	8.67
n25	10 MHz	TM1.1	1962.5	8.67
n25	10 MHz	TM1.1	1990.0	8.67
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM3p1	1935.0	8.63
n25	10 MHz	TM3p1	1962.5	8.63
n25	10 MHz	TM3p1	1990.0	8.66
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM3p1a	1935.0	8.62
n25	10 MHz	TM3p1a	1962.5	8.63
n25	10 MHz	TM3p1a	1990.0	8.63
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM3p3	1935.0	8.52
n25	10 MHz	TM3p3	1962.5	8.52
n25	10 MHz	TM3p3	1990.0	8.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM1.1	1937.5	13.61
n25	15 MHz	TM1.1	1962.5	13.63
n25	15 MHz	TM1.1	1987.5	13.63
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM3p1	1937.5	13.59
n25	15 MHz	TM3p1	1962.5	13.61
n25	15 MHz	TM3p1	1987.5	13.61
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM3p1a	1937.5	13.59
n25	15 MHz	TM3p1a	1962.5	13.63
n25	15 MHz	TM3p1a	1987.5	13.61
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM3p3	1937.5	13.46
n25	15 MHz	TM3p3	1962.5	13.46
n25	15 MHz	TM3p3	1987.5	13.46
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM1.1	1940.0	18.21
n25	20 MHz	TM1.1	1962.5	18.25
n25	20 MHz	TM1.1	1985.0	18.24
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM3p1	1940.0	18.23
n25	20 MHz	TM3p1	1962.5	18.26
n25	20 MHz	TM3p1	1985.0	18.26
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM3p1a	1940.0	18.23
n25	20 MHz	TM3p1a	1962.5	18.26
n25	20 MHz	TM3p1a	1985.0	18.25
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM3p3	1940.0	18.28
n25	20 MHz	TM3p3	1962.5	18.32
n25	20 MHz	TM3p3	1985.0	18.31

Band n25: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM1.1	1932.5	3.98
n25	5 MHz	TM1.1	1962.5	3.98
n25	5 MHz	TM1.1	1992.5	3.99
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM3p1	1932.5	3.97
n25	5 MHz	TM3p1	1962.5	3.97
n25	5 MHz	TM3p1	1992.5	3.97
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM3p1a	1932.5	3.99
n25	5 MHz	TM3p1a	1962.5	3.99
n25	5 MHz	TM3p1a	1992.5	4.00
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	5 MHz	TM3p3	1932.5	4.00
n25	5 MHz	TM3p3	1962.5	4.01
n25	5 MHz	TM3p3	1992.5	4.02
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM1.1	1935.0	8.66
n25	10 MHz	TM1.1	1962.5	8.67
n25	10 MHz	TM1.1	1990.0	8.67
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM3p1	1935.0	8.64
n25	10 MHz	TM3p1	1962.5	8.63
n25	10 MHz	TM3p1	1990.0	8.66
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM3p1a	1935.0	8.62
n25	10 MHz	TM3p1a	1962.5	8.63
n25	10 MHz	TM3p1a	1990.0	8.63
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	10 MHz	TM3p3	1935.0	8.52
n25	10 MHz	TM3p3	1962.5	8.52
n25	10 MHz	TM3p3	1990.0	8.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM1.1	1937.5	13.59
n25	15 MHz	TM1.1	1962.5	13.62
n25	15 MHz	TM1.1	1987.5	13.63

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM3p1	1937.5	13.59
n25	15 MHz	TM3p1	1962.5	13.60
n25	15 MHz	TM3p1	1987.5	13.62

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM3p1a	1937.5	13.60
n25	15 MHz	TM3p1a	1962.5	13.63
n25	15 MHz	TM3p1a	1987.5	13.61

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	15 MHz	TM3p3	1937.5	13.44
n25	15 MHz	TM3p3	1962.5	13.47
n25	15 MHz	TM3p3	1987.5	13.46

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM1.1	1940.0	18.23
n25	20 MHz	TM1.1	1962.5	18.25
n25	20 MHz	TM1.1	1985.0	18.24

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM3p1	1940.0	18.20
n25	20 MHz	TM3p1	1962.5	18.26
n25	20 MHz	TM3p1	1985.0	18.24

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM3p1a	1940.0	18.23
n25	20 MHz	TM3p1a	1962.5	18.27
n25	20 MHz	TM3p1a	1985.0	18.24

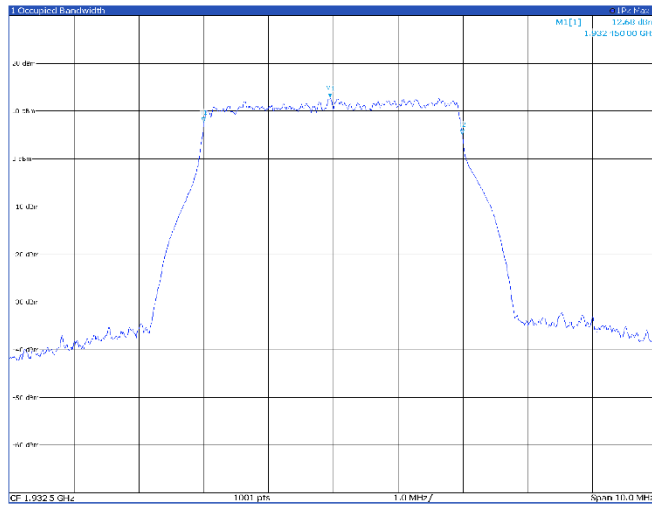
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n25	20 MHz	TM3p3	1940.0	18.30
n25	20 MHz	TM3p3	1962.5	18.32
n25	20 MHz	TM3p3	1985.0	18.32

Antenna port 1

Band n25

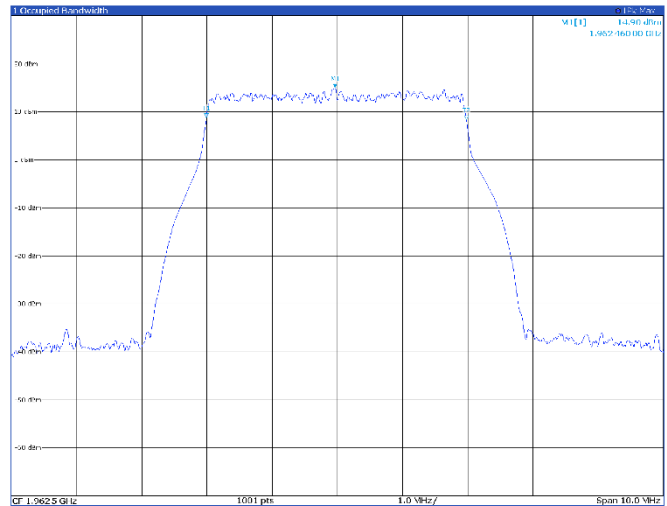
5 MHz

TM1.1, 5 MHz, low channel



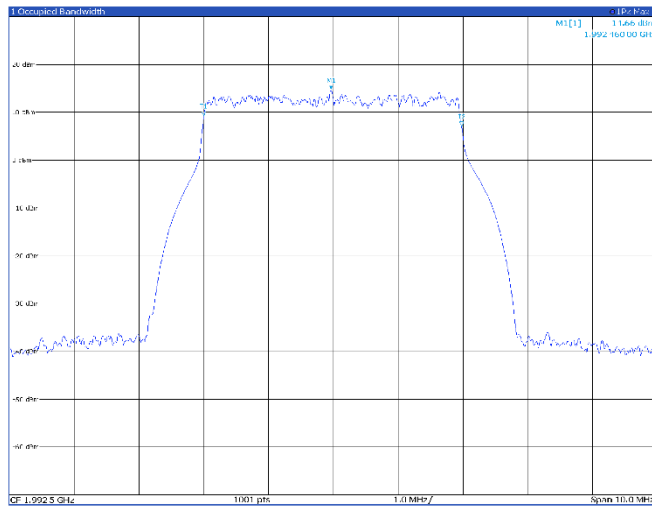
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.93245 GHz	12.68 dBm	Occ BW	3.989399996 MHz
M1	1		1.93245 GHz	7.65 dBm	Occ BW Centroid	1.932452422 GHz
M1	1		1.93245 GHz	5.12 dBm	Occ BW Integ Offset	2.75e-10 dBm/Hz

TM1.1, 5 MHz, mid channel



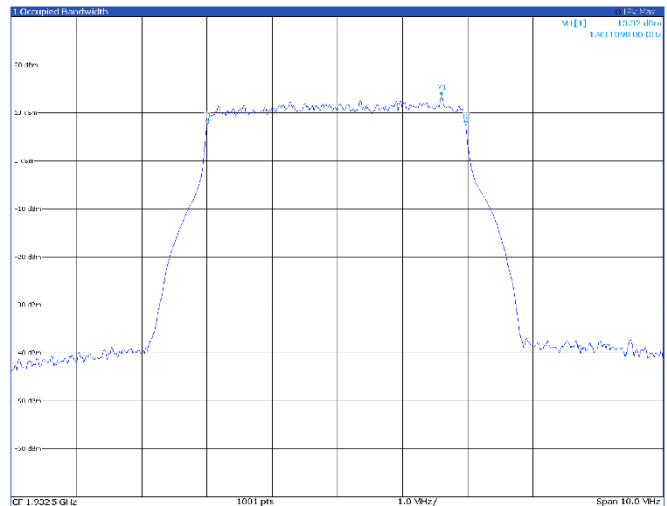
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.93246 GHz	14.90 dBm	Occ BW	3.991690578 MHz
M1	1		1.93246 GHz	8.63 dBm	Occ BW Centroid	1.932465323 GHz
M1	1		1.93246 GHz	6.15 dBm	Occ BW Integ Offset	-1.14e-10 dBm/Hz

TM1.1, 5 MHz, high channel

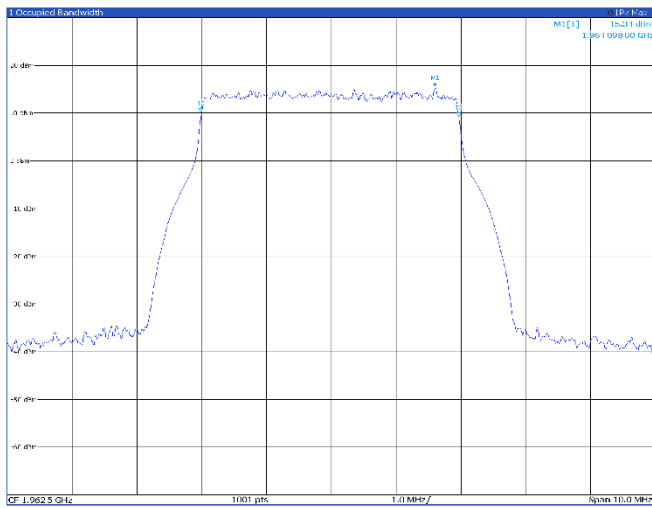


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.93246 GHz	14.66 dBm	Occ BW	3.983176281 MHz
M1	1		1.93246 GHz	9.10 dBm	Occ BW Centroid	1.932460507 GHz
M1	1		1.93246 GHz	7.04 dBm	Occ BW Integ Offset	1.14e-10 dBm/Hz

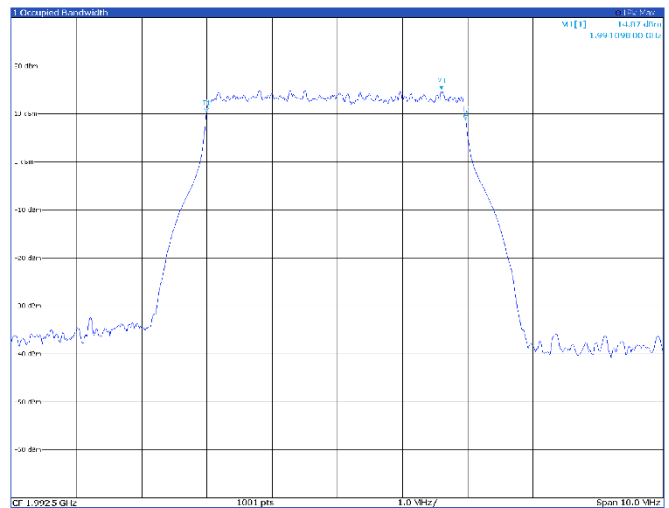
TM3p1, 5 MHz, low channel



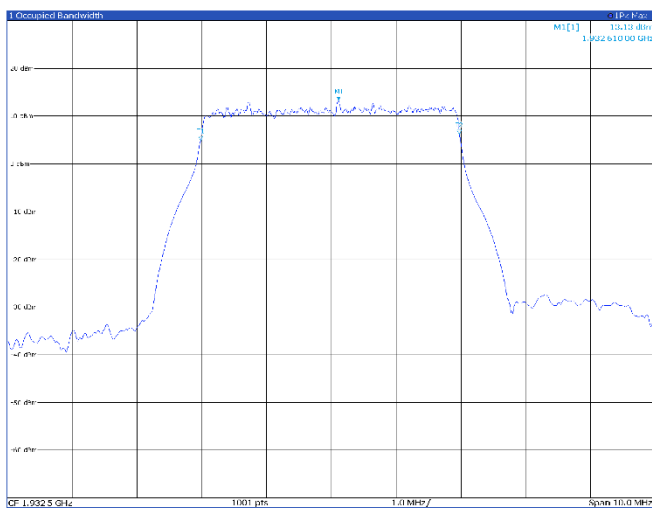
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.93409 GHz	13.32 dBm	Occ BW	3.966070286 MHz
M1	1		1.93409 GHz	7.42 dBm	Occ BW Centroid	1.934097153 GHz
M1	1		1.93409 GHz	7.00 dBm	Occ BW Integ Offset	-1.05e-10 dBm/Hz

TM3p1, 5 MHz, mid channel


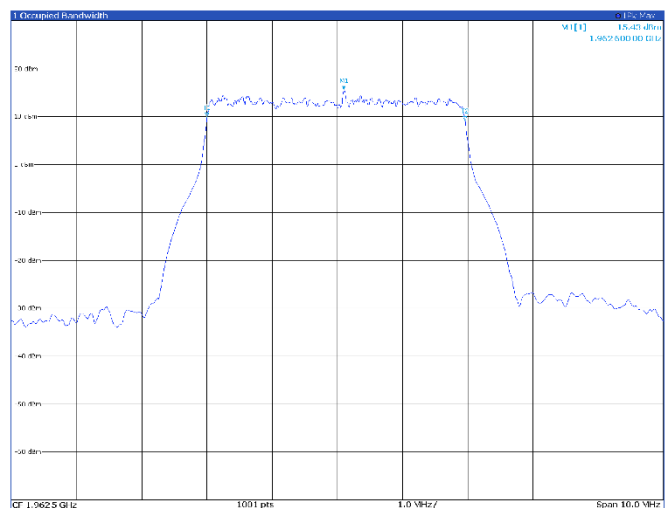
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		1.964098 GHz	15.34 dBm		Occ SW	3.974543283 MHz
M1	1		1.964098 GHz	10.00 dBm		Occ SW Control	1.962476942 GHz
M2	1		1.964098 GHz	9.00 dBm		Occ SW Control	1.962500000 GHz

TM3p1, 5 MHz, high channel


Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		1.964098 GHz	14.87 dBm		Occ SW	3.976163048 MHz
M1	1		1.964098 GHz	10.27 dBm		Occ SW Control	1.962477937 GHz
M2	1		1.964098 GHz	9.00 dBm		Occ SW Control	1.962500000 GHz

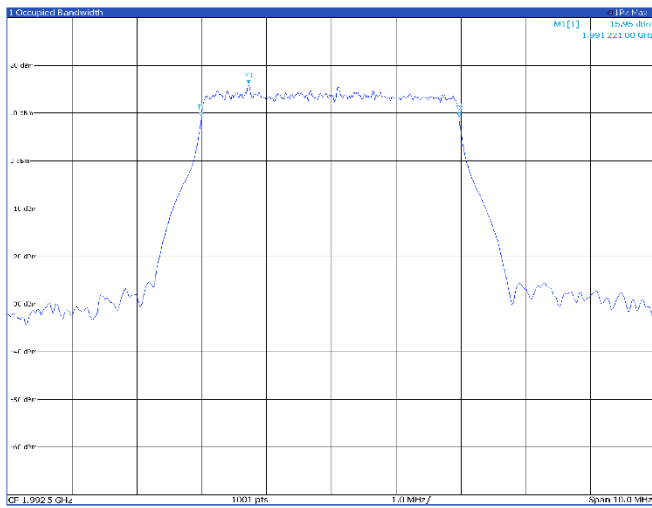
TM3p1a, 5 MHz, low channel


Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		1.962511 GHz	13.13 dBm		Occ SW	3.990399511 MHz
M1	1		1.962511 GHz	9.00 dBm		Occ SW Control	1.962480100 GHz
M2	1		1.962511 GHz	8.00 dBm		Occ SW Control	1.962500000 GHz

TM3p1a, 5 MHz, mid channel


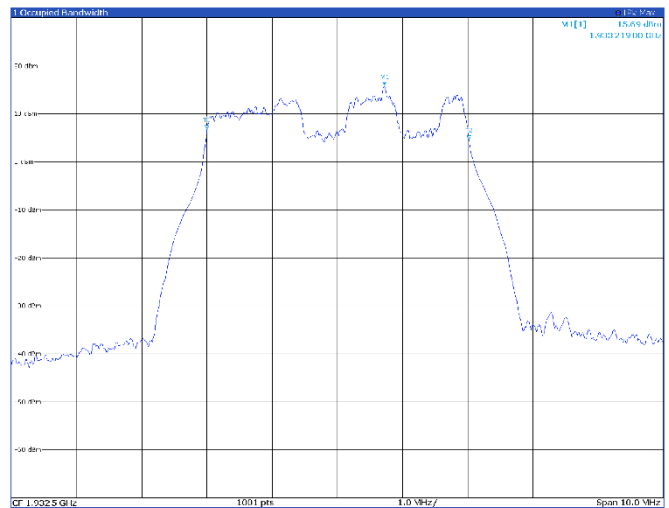
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		1.962504 GHz	15.43 dBm		Occ SW	3.962504256 MHz
M1	1		1.962504 GHz	9.00 dBm		Occ SW Control	1.962478913 GHz
M2	1		1.962504 GHz	8.00 dBm		Occ SW Control	1.962500000 GHz

TM3p1a, 5 MHz, high channel



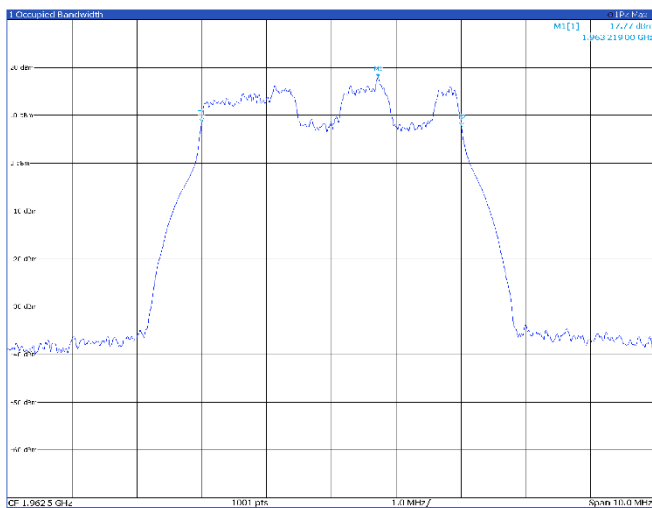
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.991221 GHz	15.95 dBm	Occ Sw	3.979363047 MHz
P1	1	1	1.9914020 GHz	9.17 dBm	Occ Sw Channeliz	1.992479522 GHz
P2	1	1	1.9914020 GHz	9.16 dBm	Occ Sw Channeliz	2.992479522 GHz

TM3p3, 5 MHz, low channel



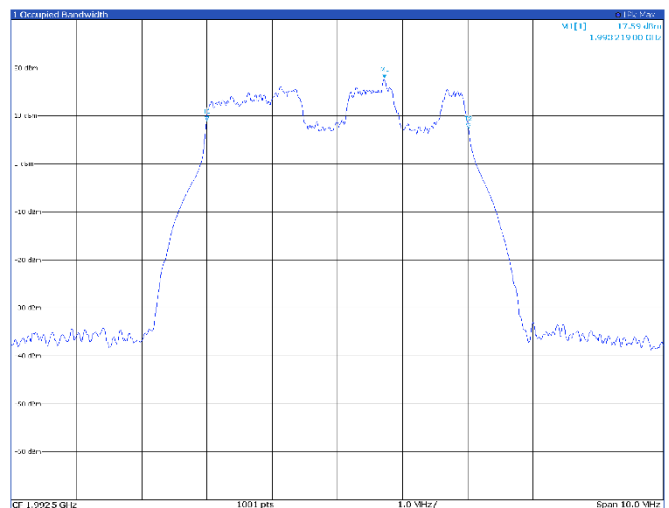
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.933219 GHz	15.69 dBm	Occ Sw	4.021620661 MHz
P1	1	1	1.9314601 GHz	6.71 dBm	Occ Sw Channeliz	1.992500071 GHz
P2	1	1	1.9314601 GHz	4.47 dBm	Occ Sw Channeliz	1.992500071 GHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.963219 GHz	17.77 dBm	Occ Sw	4.017114483 MHz
P1	1	1	1.9624041 GHz	8.25 dBm	Occ Sw Channeliz	1.992392235 GHz
P2	1	1	1.9624041 GHz	2.65 dBm	Occ Sw Channeliz	1.992392235 GHz

TM3p3, 5 MHz, high channel

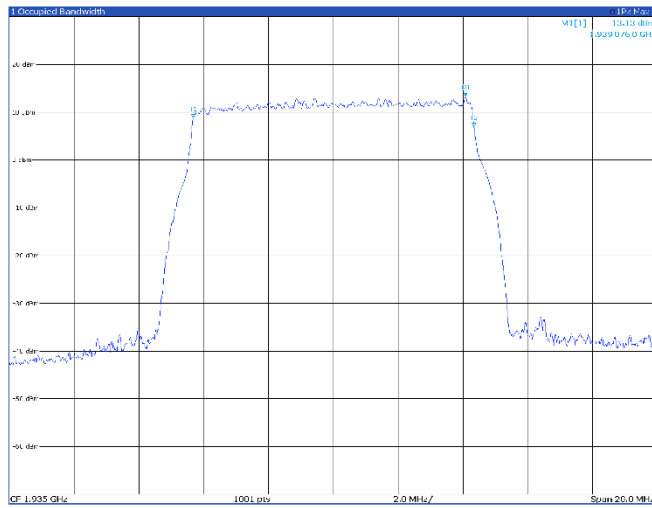


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.993219 GHz	17.59 dBm	Occ Sw	4.014911856 MHz
P1	1	1	1.9914601 GHz	5.07 dBm	Occ Sw Channeliz	1.992392235 GHz
P2	1	1	1.9914601 GHz	2.65 dBm	Occ Sw Channeliz	1.992392235 GHz

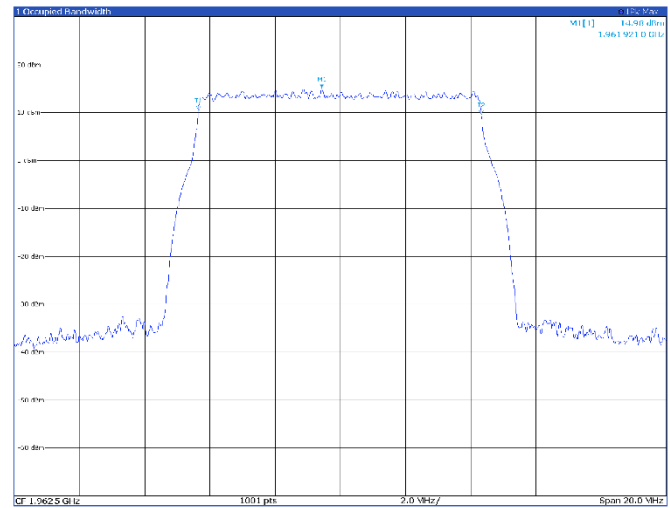
Band n25

10 MHz

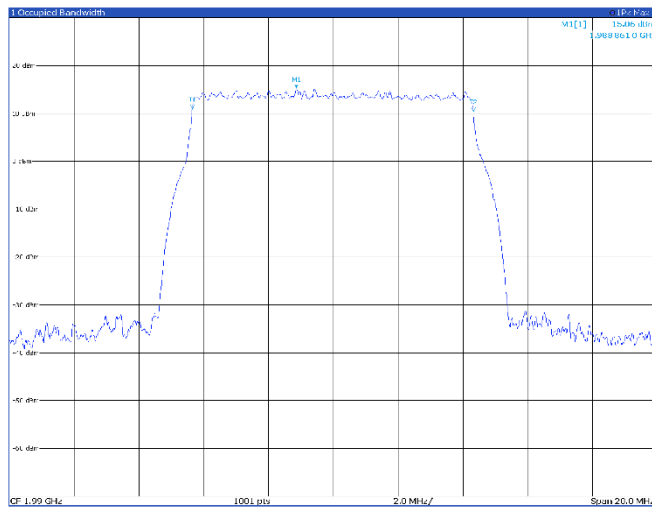
TM1.1, 10 MHz, low channel



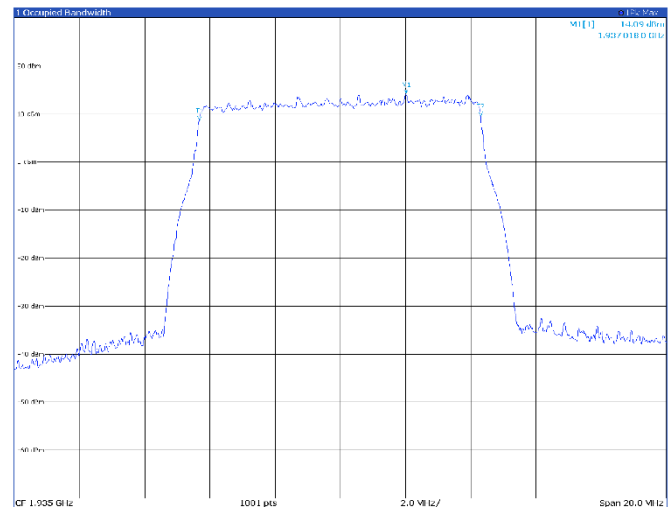
TM1.1, 10 MHz, mid channel



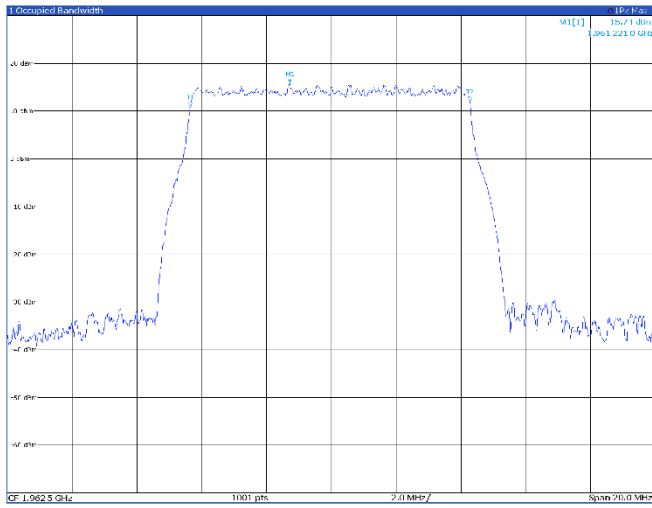
TM1.1, 10 MHz, high channel



TM3p1, 10 MHz, low channel

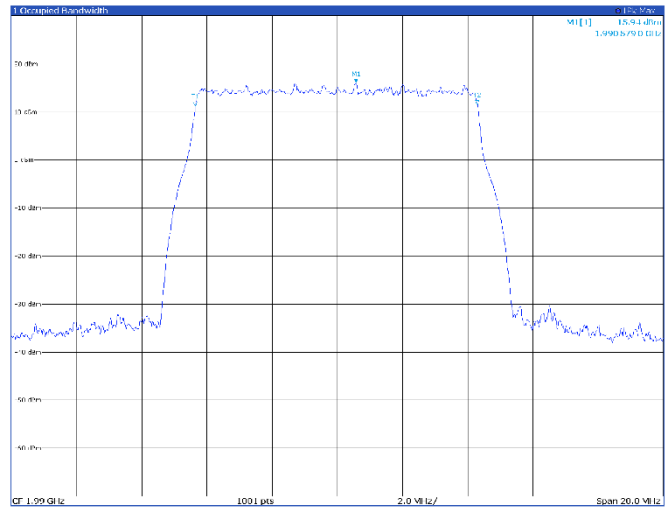


TM3p1, 10 MHz, mid channel



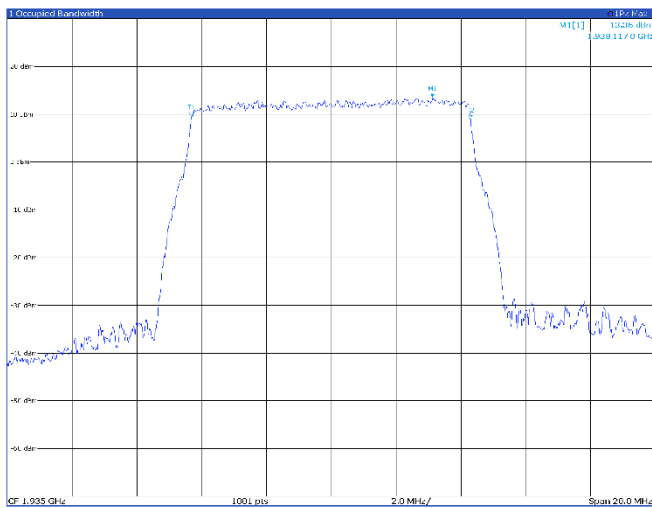
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.961221 GHz	15.74 dBm	Occ Sw	8.63373875 MHz
F1	1		1.9591467 GHz	10.76 dBm	Occ Sw Channel	1.9591467 GHz
F2	1		1.963295 GHz	11.34 dBm	Occ Sw Channel	1.963295 GHz

TM3p1, 10 MHz, high channel



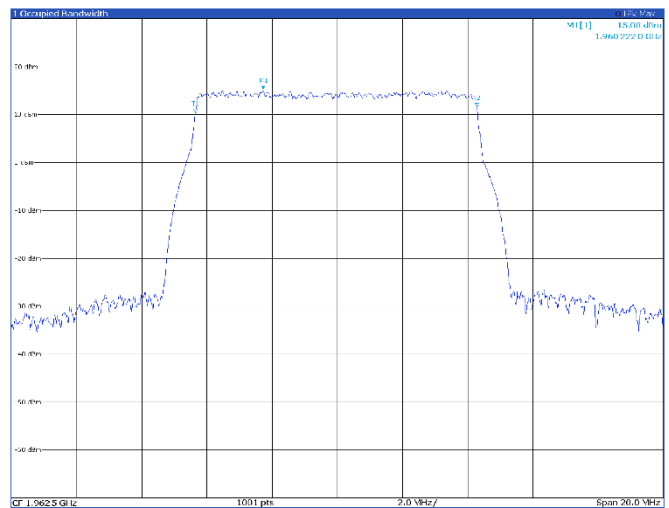
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.990579 GHz	15.94 dBm	Occ Sw	8.658071928 MHz
F1	1		1.988509 GHz	11.17 dBm	Occ Sw Channel	1.988509 GHz
F2	1		1.992571 GHz	11.51 dBm	Occ Sw Channel	1.992571 GHz

TM3p1a, 10 MHz, low channel



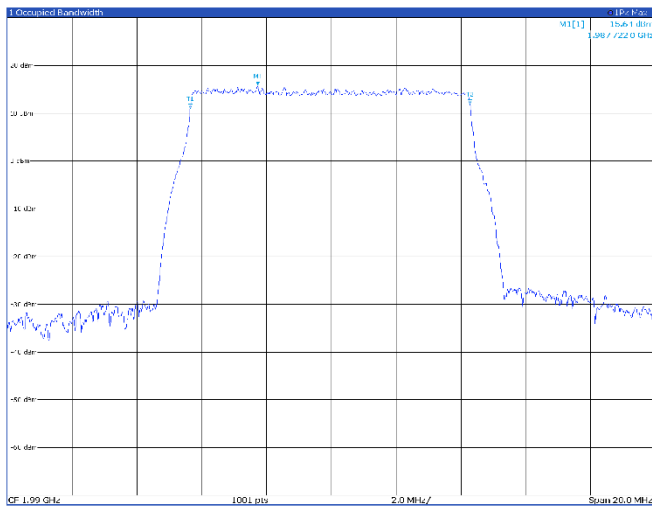
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.938117 GHz	13.36 dBm	Occ Sw	8.616106621 MHz
F1	1		1.936160 GHz	9.47 dBm	Occ Sw Channel	1.936160 GHz
F2	1		1.940074 GHz	8.84 dBm	Occ Sw Channel	1.940074 GHz

TM3p1a, 10 MHz, mid channel



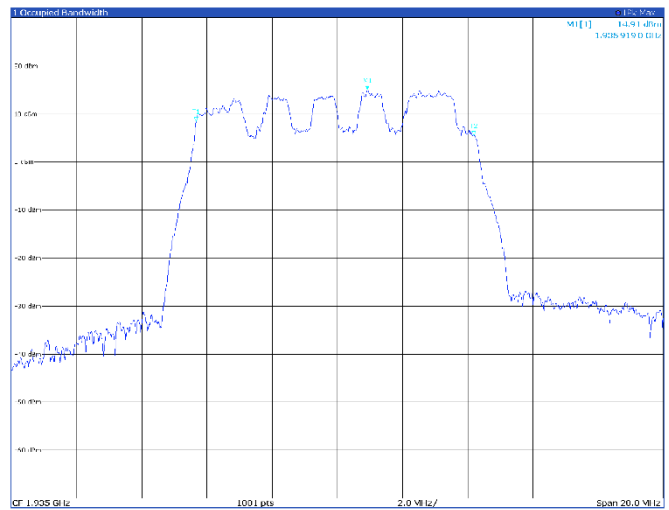
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.960222 GHz	15.08 dBm	Occ Sw	8.628080485 MHz
F1	1		1.958153 GHz	10.27 dBm	Occ Sw Channel	1.958153 GHz
F2	1		1.962291 GHz	11.43 dBm	Occ Sw Channel	1.962291 GHz

TM3p1a, 10 MHz, high channel



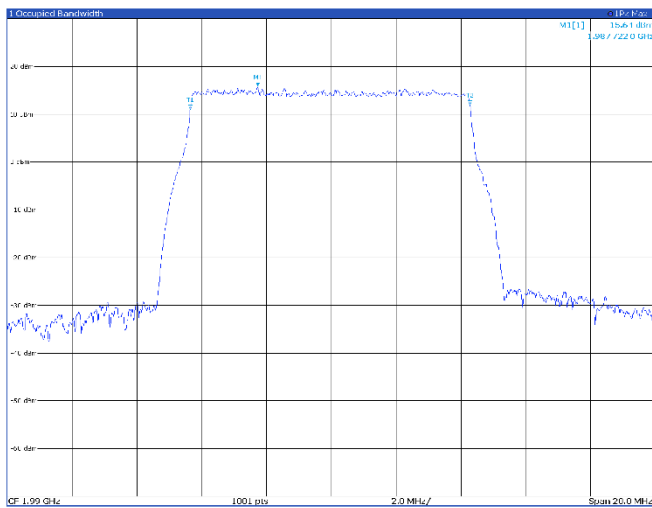
Marker	Ref	Freq	X Value	Y Value	Function	Function Result
M1	1		1.987722 GHz	15.64 dBm	Occ 5m	8.62736772 MHz
F1	1		1.985590 GHz	10.70 dBm	Occ 5m Channel	1.985590 GHz
F2	1		1.994777 GHz	11.50 dBm	Occ 5m Channel	1.994777 GHz

TM3p3, 10 MHz, low channel



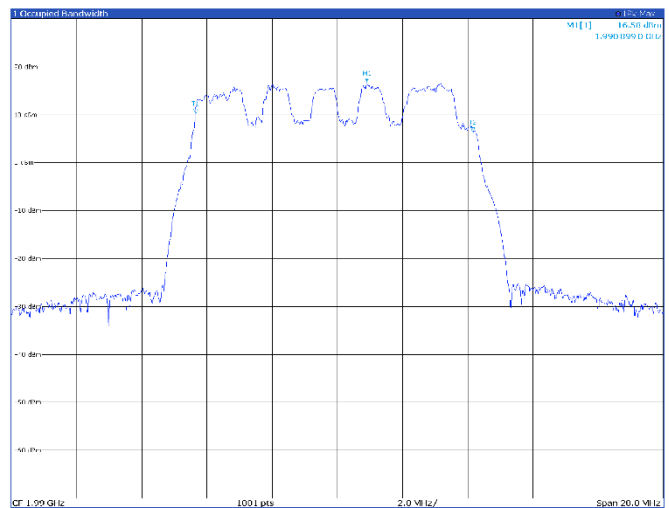
Marker	Ref	Freq	X Value	Y Value	Function	Function Result
M1	1		1.935919 GHz	14.91 dBm	Occ 5m	8.523940487 MHz
F1	1		1.9316679 GHz	8.47 dBm	Occ 5m Channel	1.9316679 GHz
F2	1		1.9381913 GHz	8.48 dBm	Occ 5m Channel	1.9381913 GHz

TM3p3, 10 MHz, mid channel



Marker	Ref	Freq	X Value	Y Value	Function	Function Result
M1	1		1.987722 GHz	15.64 dBm	Occ 5m	8.62736772 MHz
F1	1		1.985590 GHz	10.70 dBm	Occ 5m Channel	1.985590 GHz
F2	1		1.994777 GHz	11.50 dBm	Occ 5m Channel	1.994777 GHz

TM3p3, 10 MHz, high channel

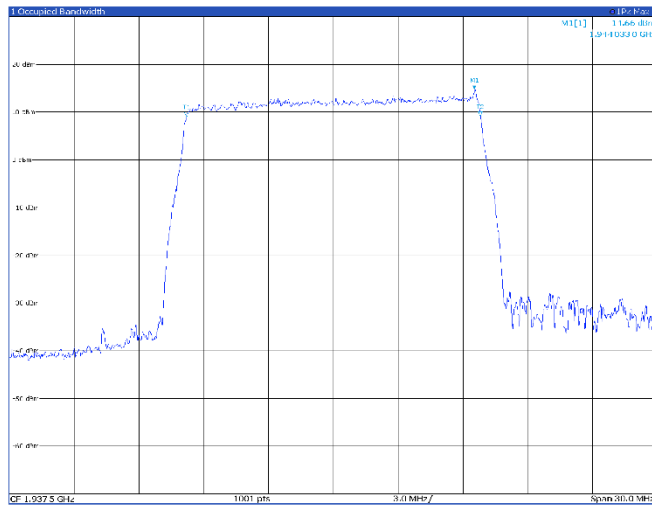


Marker	Ref	Freq	X Value	Y Value	Function	Function Result
M1	1		1.990899 GHz	16.58 dBm	Occ 5m	8.512766769 MHz
F1	1		1.9856192 GHz	10.23 dBm	Occ 5m Channel	1.9856192 GHz
F2	1		1.994157 GHz	8.57 dBm	Occ 5m Channel	1.994157 GHz

Band n25

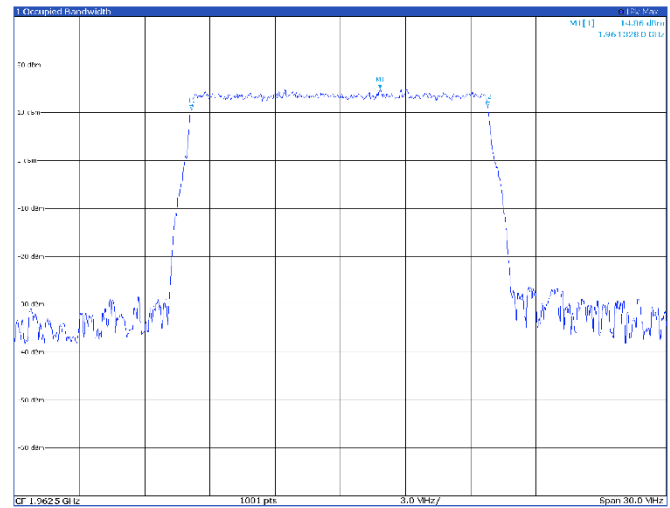
15 MHz

TM1.1, 15 MHz, low channel



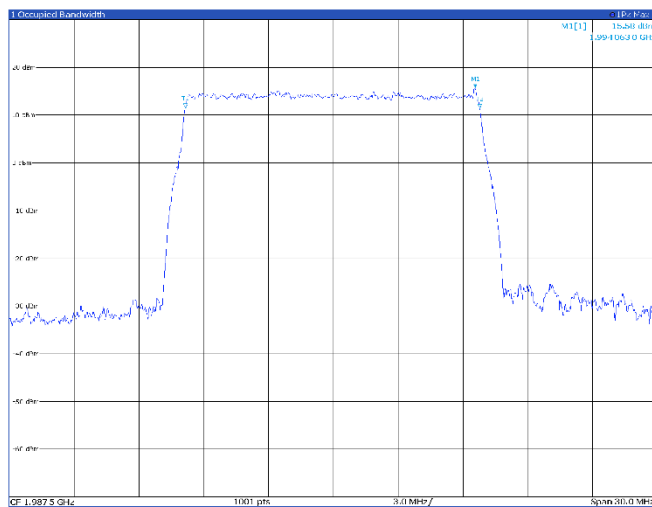
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T2	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz

TM1.1, 15 MHz, mid channel



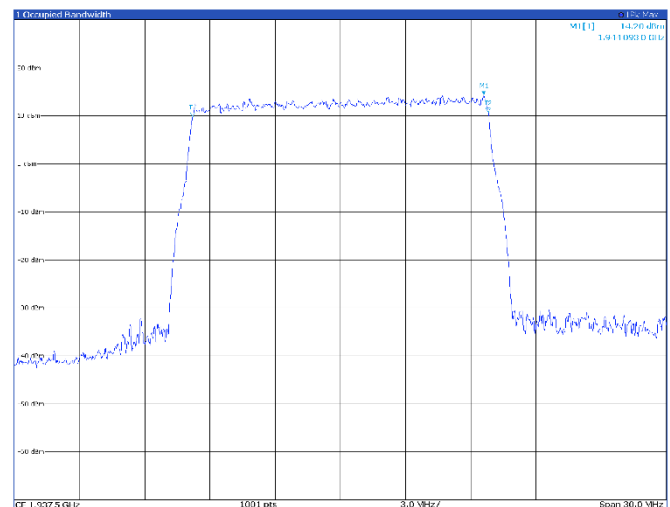
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T2	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz

TM1.1, 15 MHz, high channel



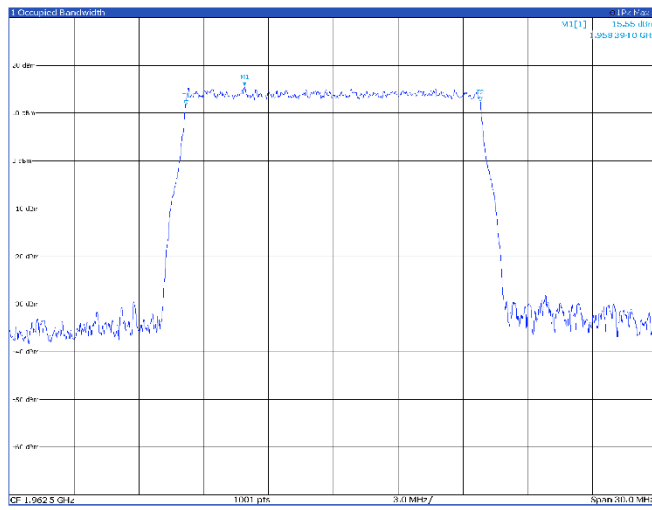
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T2	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz

TM3p1, 15 MHz, low channel



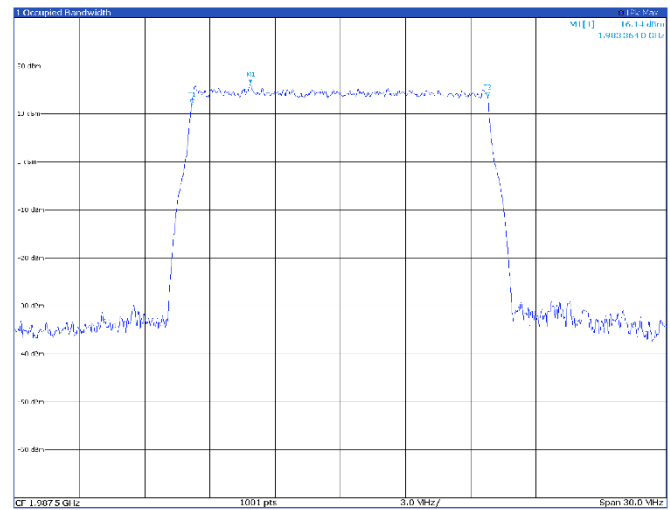
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T1	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz
T2	1		1.944 033 GHz	14.66 dBm	Occupied Bandwidth	13.612742403 MHz

TM3p1, 15 MHz, mid channel



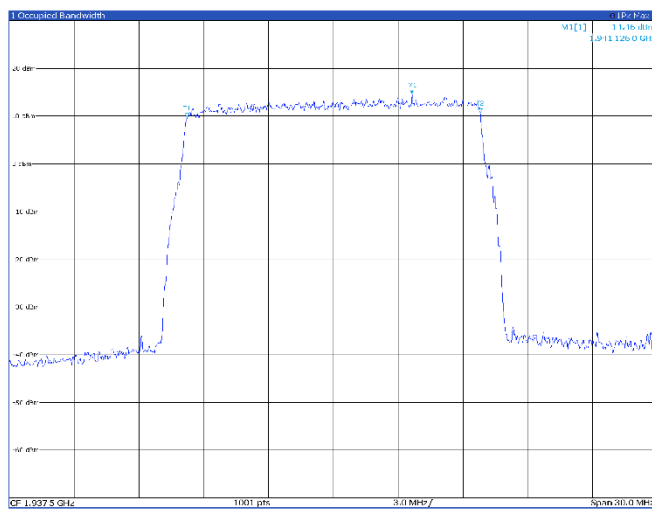
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		1.958394 GHz	15.55 dBm	Off	Occ Sw	13.6144447 MHz
M2	1		1.958394 GHz	15.55 dBm	Off	Occ Sw - Channel	1.958394 GHz
M3	1		1.958394 GHz	15.55 dBm	Off	Occ Sw - Offset	1.958394 GHz

TM3p1, 15 MHz, high channel



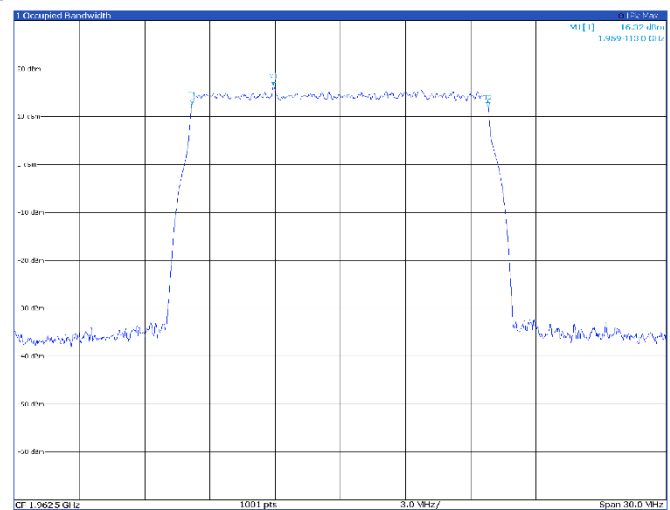
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		1.963364 GHz	16.14 dBm	Off	Occ Sw	13.613925015 MHz
M2	1		1.963364 GHz	16.14 dBm	Off	Occ Sw - Channel	1.963364 GHz
M3	1		1.963364 GHz	16.14 dBm	Off	Occ Sw - Offset	1.963364 GHz

TM3p1a, 15 MHz, low channel



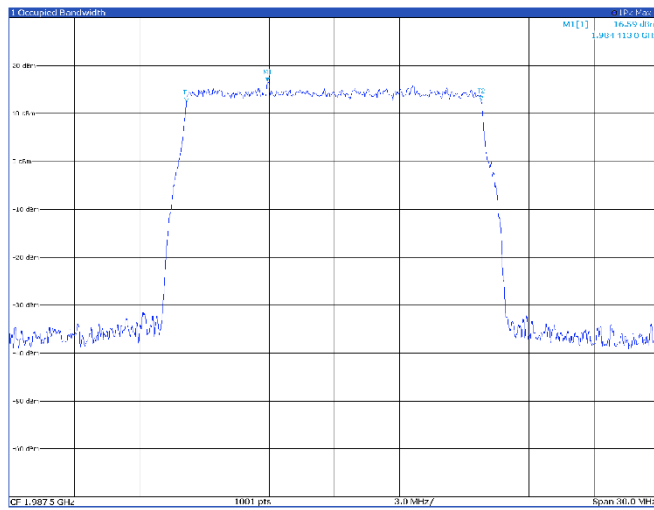
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		1.941126 GHz	14.46 dBm	Off	Occ Sw	13.586372813 MHz
M2	1		1.941126 GHz	14.46 dBm	Off	Occ Sw - Channel	1.941126 GHz
M3	1		1.941126 GHz	14.46 dBm	Off	Occ Sw - Offset	1.941126 GHz

TM3p1a, 15 MHz, mid channel



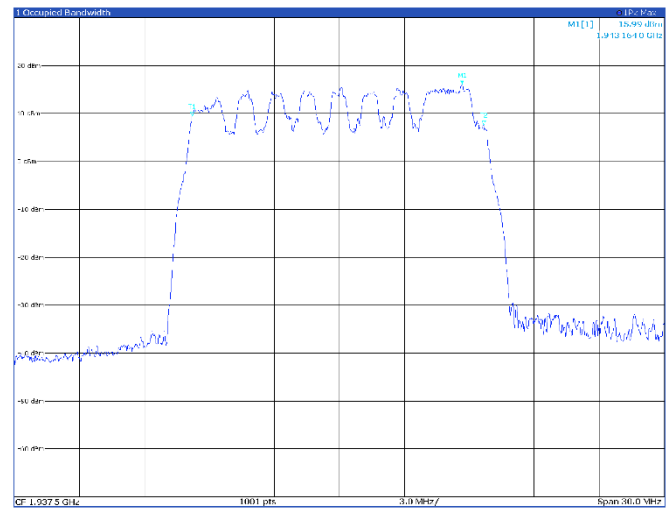
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		1.959413 GHz	16.32 dBm	Off	Occ Sw	13.629351511 MHz
M2	1		1.959413 GHz	16.32 dBm	Off	Occ Sw - Channel	1.959413 GHz
M3	1		1.959413 GHz	16.32 dBm	Off	Occ Sw - Offset	1.959413 GHz

TM3p1a, 15 MHz, high channel



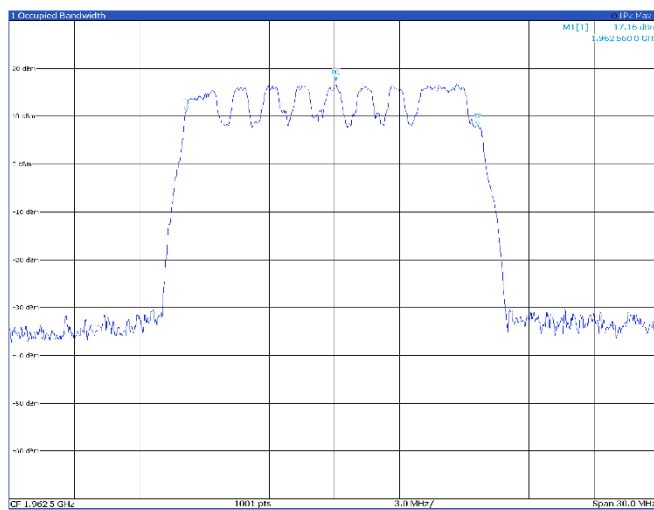
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.984413 GHz	16.59 dBm	Occ. BW	13.613368067 MHz
M2	1	1	1.98667075 GHz	12.42 dBm	Occ. BW	1.927477549 GHz
M3	1	1	1.98667075 GHz	17.60 dBm	Occ. BW	1.927477549 GHz

TM3p3, 15 MHz, low channel



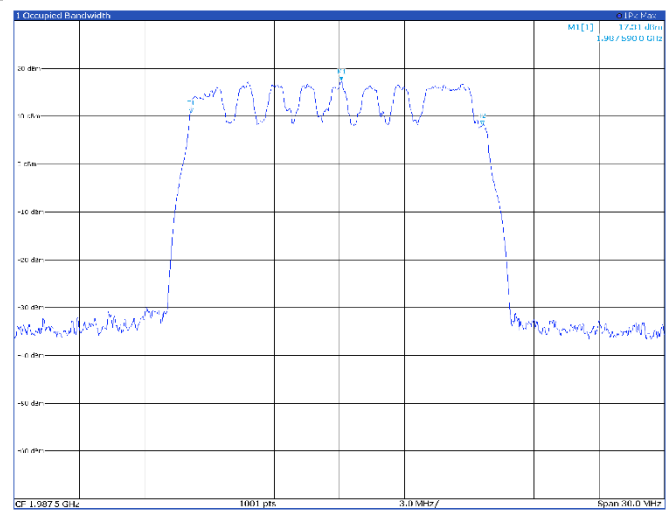
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.943164 GHz	15.99 dBm	Occ. BW	13.463079337 MHz
M2	1	1	1.950790 GHz	9.42 dBm	Occ. BW	1.927429512 GHz
M3	1	1	1.950790 GHz	9.42 dBm	Occ. BW	1.927429512 GHz

TM3p3, 15 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.962156 GHz	17.16 dBm	Occ. BW	13.458662726 MHz
M2	1	1	1.955650 GHz	11.00 dBm	Occ. BW	1.926722925 GHz
M3	1	1	1.955650 GHz	11.00 dBm	Occ. BW	1.926722925 GHz

TM3p3, 15 MHz, high channel

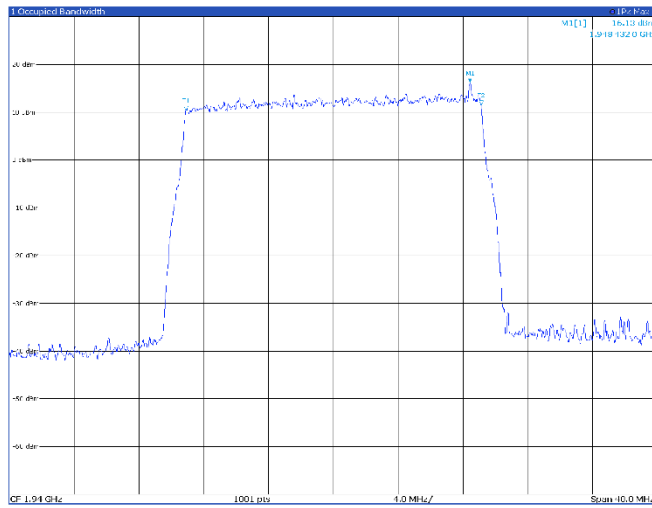


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.96759 GHz	17.31 dBm	Occ. BW	13.455192296 MHz
M2	1	1	1.959045 GHz	10.42 dBm	Occ. BW	1.926727144 GHz
M3	1	1	1.959045 GHz	10.42 dBm	Occ. BW	1.926727144 GHz

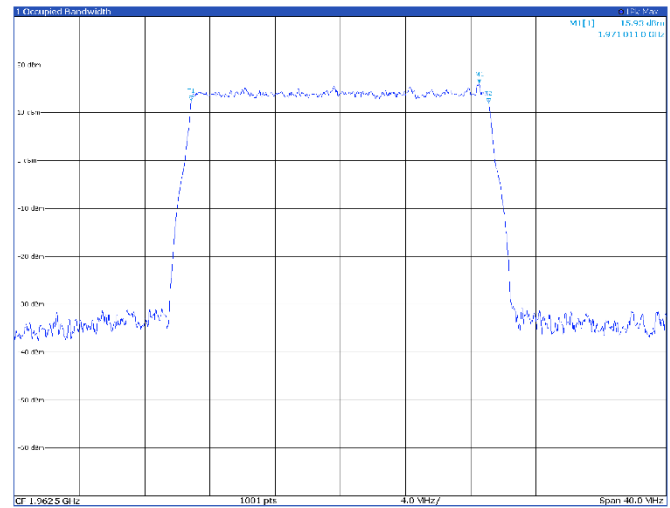
Band n25

20 MHz

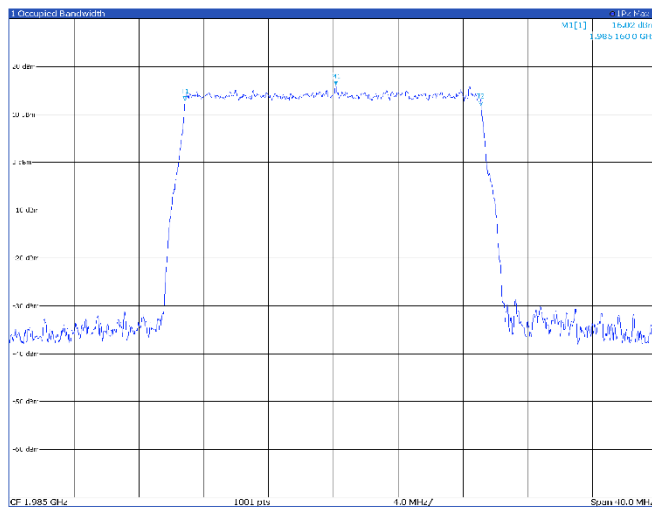
TM1.1, 20 MHz, low channel



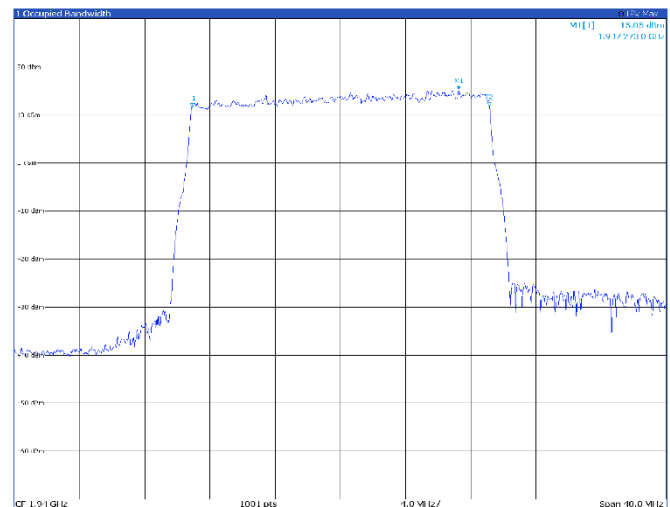
TM1.1, 20 MHz, mid channel



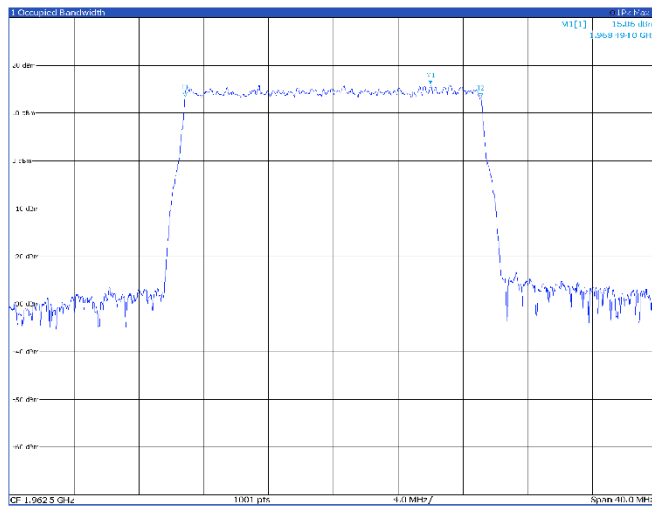
TM1.1, 20 MHz, high channel



TM3p1, 20 MHz, low channel

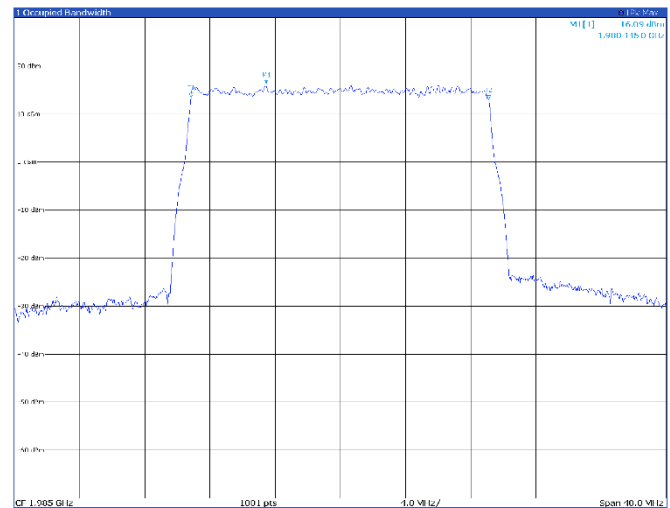


TM3p1, 20 MHz, mid channel



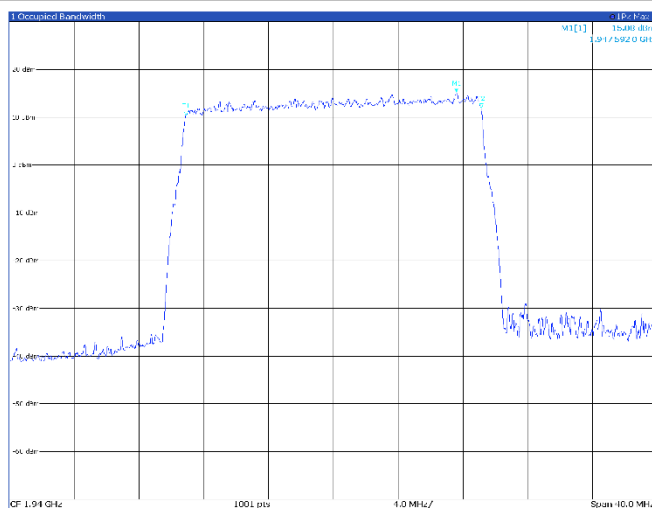
Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
M1	1		1.968 494 GHz	15.86 dBm	Occ. Set		18.258 685 177 MHz
M1	1		1.962 350 GHz	14.42 dBm	Occ. Set Control		1.962 400 260 GHz
M2	1		1.973 010 GHz	15.15 dBm	Occ. Set Control		18.340 230 GHz

TM3p1, 20 MHz, high channel



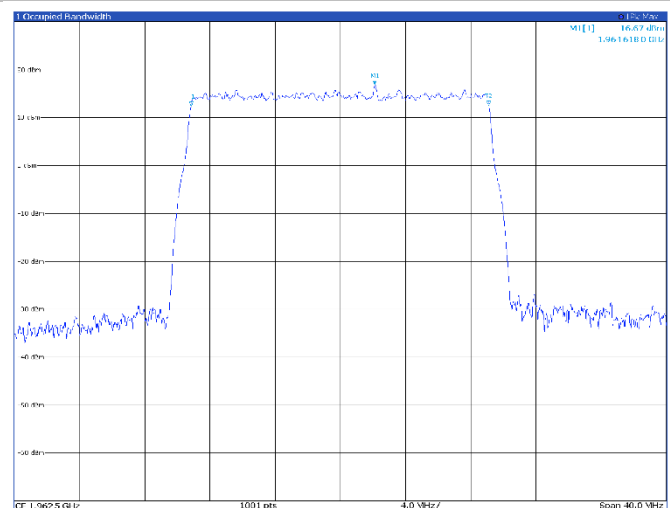
Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
M1	1		1.960 445 GHz	16.09 dBm	Occ. Set		18.260 190 455 MHz
M1	1		1.975 037 GHz	12.41 dBm	Occ. Set Control		1.961 507 962 GHz
M2	1		1.954 003 GHz	12.51 dBm	Occ. Set Control		18.050 175 GHz

TM3p1a, 20 MHz, low channel



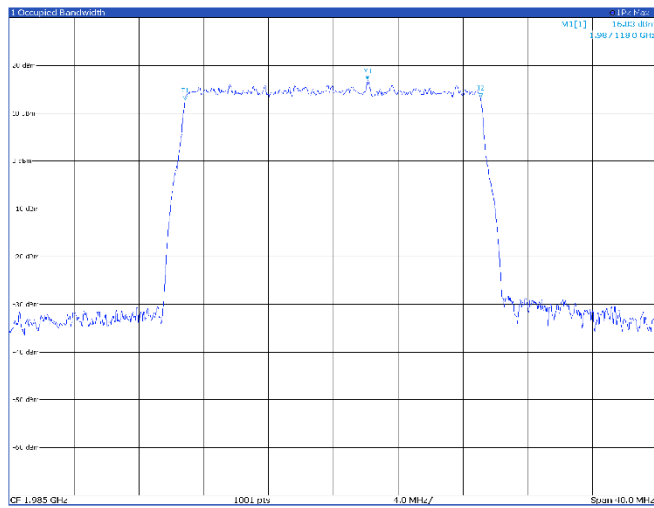
Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
M1	1		1.947 592 GHz	15.08 dBm	Occ. Set		18.228 216 592 MHz
M1	1		1.950 562 GHz	14.42 dBm	Occ. Set Control		1.950 620 GHz
M2	1		1.944 708 GHz	11.94 dBm	Occ. Set Control		1.944 799 GHz

TM3p1a, 20 MHz, mid channel



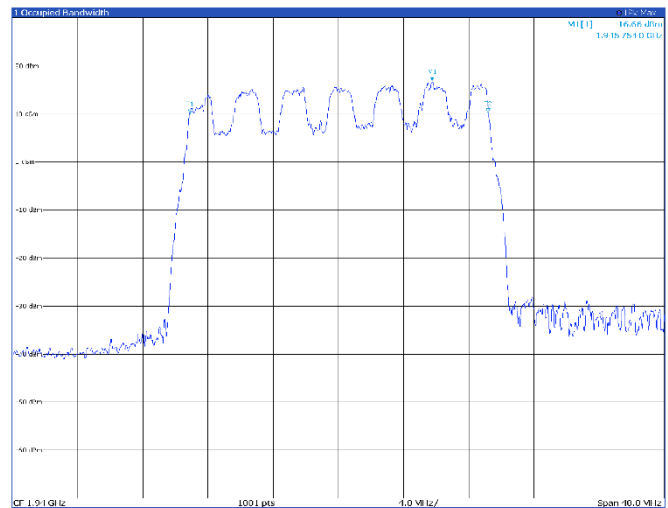
Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
M1	1		1.960 618 GHz	16.67 dBm	Occ. Set		18.264 926 5 MHz
M1	1		1.975 037 GHz	12.41 dBm	Occ. Set Control		1.961 507 962 GHz
M2	1		1.954 003 GHz	12.51 dBm	Occ. Set Control		18.050 175 GHz

TM3p1a, 20 MHz, high channel



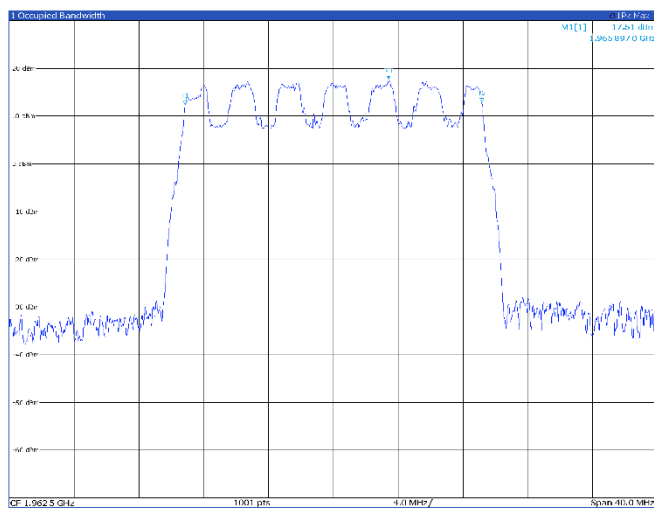
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.987118 GHz	16.83 dBm	Occ Sw	18.24888818 MHz
M1	1		1.985 GHz	16.83 dBm	Occ Sw Channel	1.985 GHz
M2	1		1.985 GHz	16.83 dBm	Occ Sw Channel	1.985 GHz

TM3p3, 20 MHz, low channel



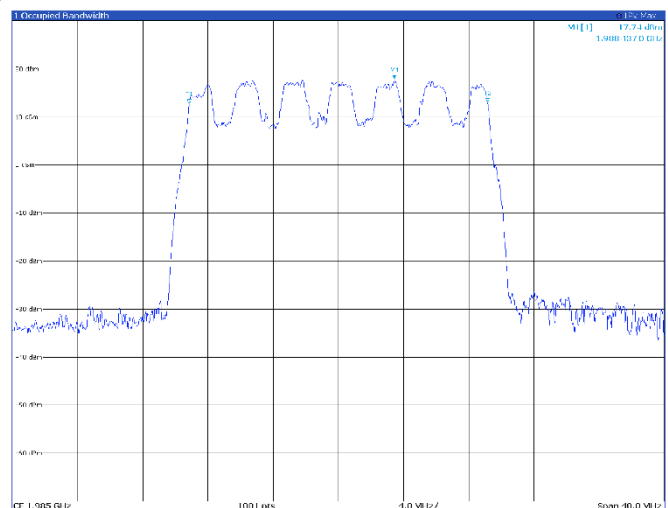
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.945754 GHz	16.66 dBm	Occ Sw	18.262249646 MHz
M1	1		1.91 GHz	16.66 dBm	Occ Sw Channel	1.91 GHz
M2	1		1.91 GHz	16.66 dBm	Occ Sw Channel	1.91 GHz

TM3p3, 20 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.965897 GHz	17.51 dBm	Occ Sw	18.317353646 MHz
M1	1		1.985 GHz	17.51 dBm	Occ Sw Channel	1.985 GHz
M2	1		1.985 GHz	17.51 dBm	Occ Sw Channel	1.985 GHz

TM3p3, 20 MHz, high channel



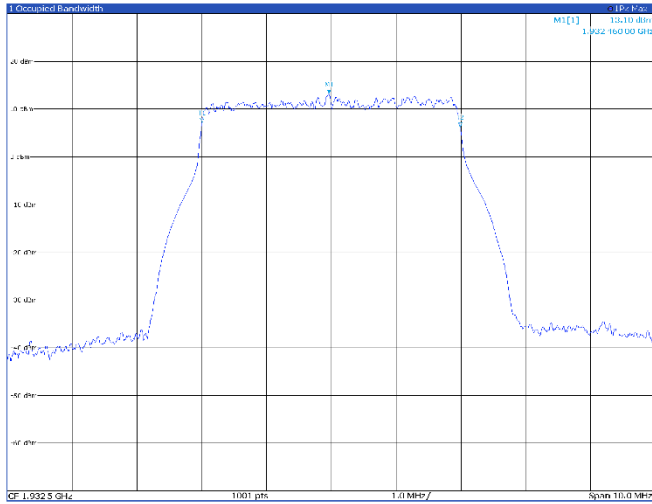
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.988437 GHz	17.74 dBm	Occ Sw	18.314244502 MHz
M1	1		1.985 GHz	17.74 dBm	Occ Sw Channel	1.985 GHz
M2	1		1.985 GHz	17.74 dBm	Occ Sw Channel	1.985 GHz

Antenna port 2

Band n25

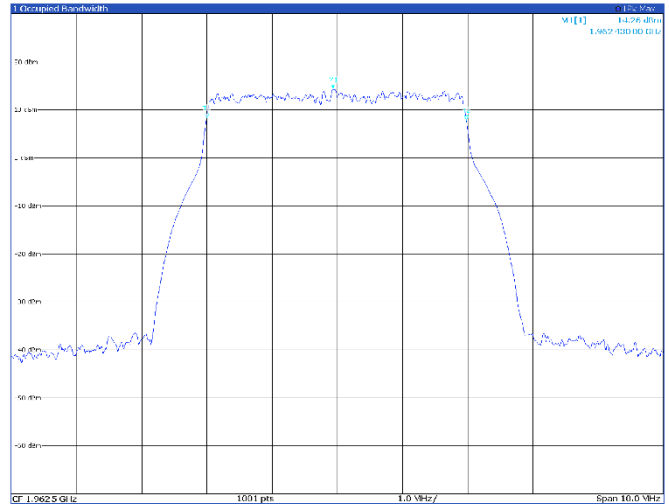
5 MHz

TM1.1, 5 MHz, low channel



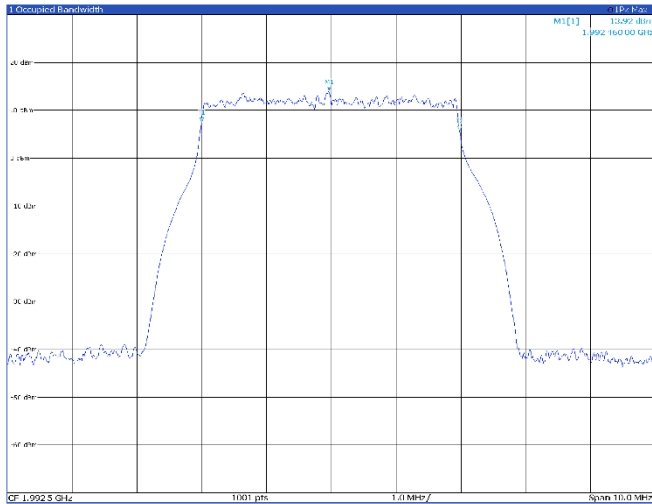
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.99246 GHz	13.10 dBm	Occ Sel	3.981731346 MHz
M1	1		1.9925092 GHz	7.25 dBm	Occ Sel Channel	1.992499200 GHz
M2	1		1.9924992 GHz	6.74 dBm	Occ Sel Inter Offset	1.992499200 GHz

TM1.1, 5 MHz, mid channel



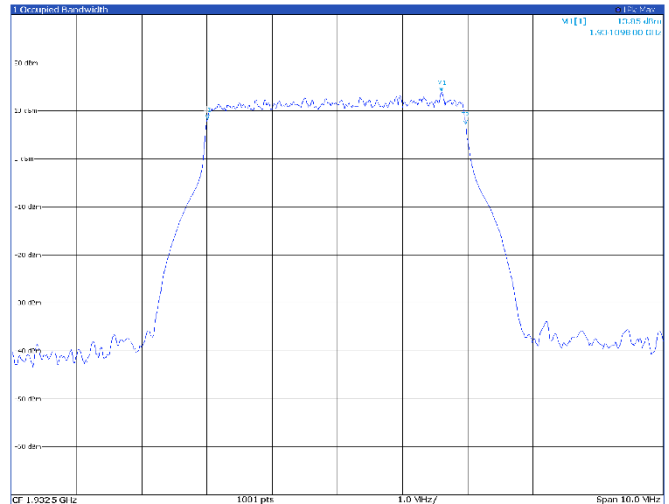
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.99243 GHz	14.26 dBm	Occ Sel	3.983359525 MHz
M1	1		1.992495 GHz	8.23 dBm	Occ Sel Channel	1.992487059 GHz
M2	1		1.992485 GHz	7.52 dBm	Occ Sel Inter Offset	1.992485000 GHz

TM1.1, 5 MHz, high channel



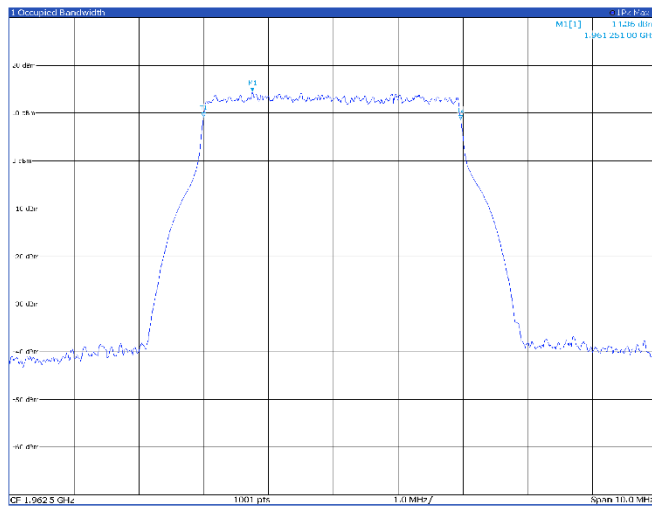
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.99246 GHz	13.92 dBm	Occ Sel	3.983513027 MHz
M1	1		1.9924944 GHz	7.44 dBm	Occ Sel Channel	1.992487230 GHz
M2	1		1.9924844 GHz	6.73 dBm	Occ Sel Inter Offset	1.992484400 GHz

TM3p1, 5 MHz, low channel



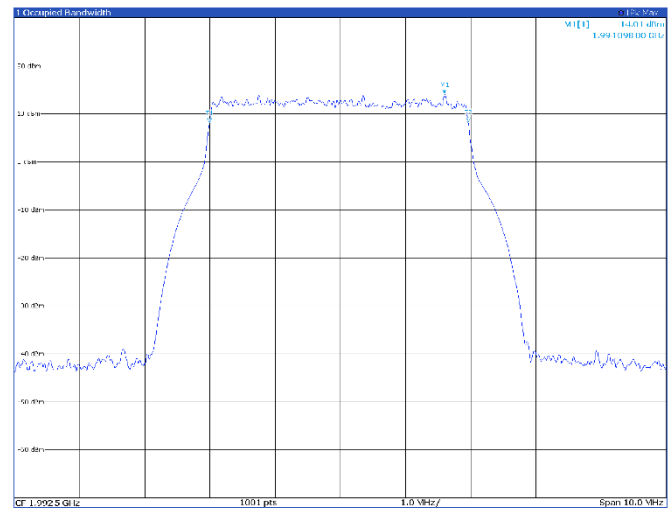
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.994098 GHz	13.85 dBm	Occ Sel	3.966136526 MHz
M1	1		1.994101 GHz	8.15 dBm	Occ Sel Channel	1.994101000 GHz
M2	1		1.9940972 GHz	7.22 dBm	Occ Sel Inter Offset	1.994097200 GHz

TM3p1, 5 MHz, mid channel



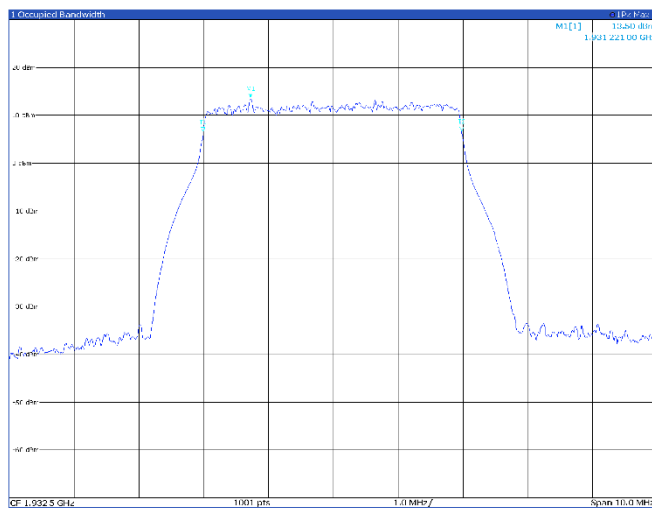
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.961251 GHz	14.36 dBm	Occ BW	3.968518363 MHz
P1	1		1.961251 GHz	14.36 dBm	Occ BW	3.968518363 MHz
P1	1		1.961251 GHz	14.36 dBm	Occ BW	3.968518363 MHz

TM3p1, 5 MHz, high channel



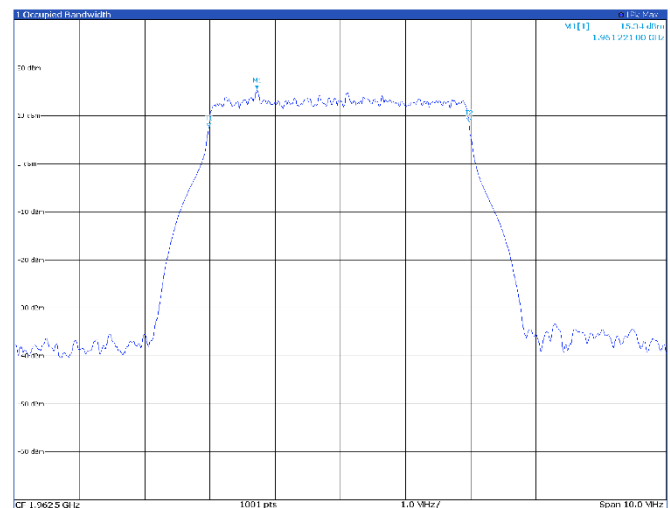
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.991098 GHz	14.01 dBm	Occ BW	3.971626132 MHz
P1	1		1.991098 GHz	14.01 dBm	Occ BW	3.971626132 MHz
P1	1		1.991098 GHz	14.01 dBm	Occ BW	3.971626132 MHz

TM3p1a, 5 MHz, low channel



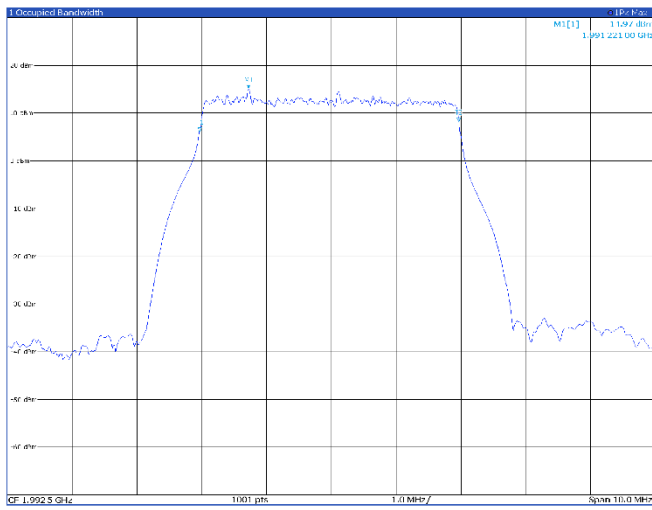
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.931221 GHz	13.50 dBm	Occ BW	3.991887789 MHz
P1	1		1.931221 GHz	13.50 dBm	Occ BW	3.991887789 MHz
P1	1		1.931221 GHz	13.50 dBm	Occ BW	3.991887789 MHz

TM3p1a, 5 MHz, mid channel



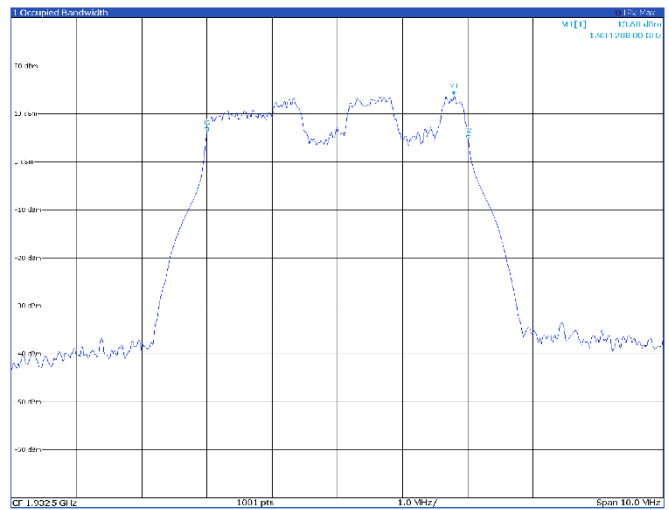
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.961221 GHz	15.34 dBm	Occ BW	3.992545714 MHz
P1	1		1.961221 GHz	15.34 dBm	Occ BW	3.992545714 MHz
P1	1		1.961221 GHz	15.34 dBm	Occ BW	3.992545714 MHz

TM3p1a, 5 MHz, high channel



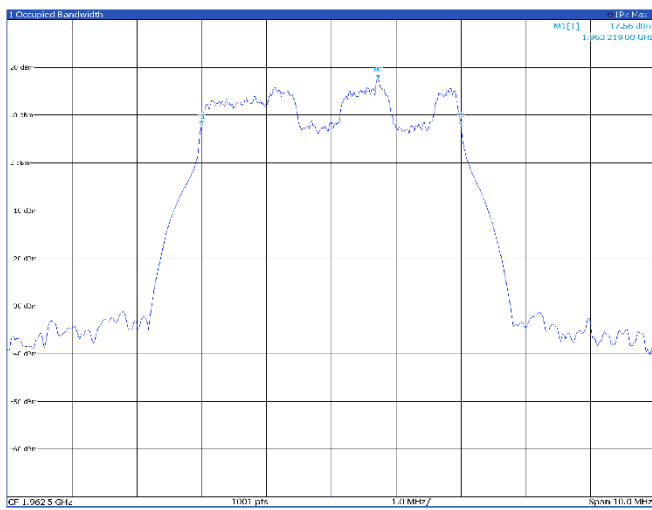
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.991221 GHz	14.97 dBm	Occ BW	4.001829352 MHz
T1	1		1.9904664 GHz	6.01 dBm	Occ BW Centroid	1.992467341 GHz
T2	1		1.9924663 GHz	6.10 dBm	Occ BW Trng Offset	-37.636334135 kHz

TM3p3, 5 MHz, low channel



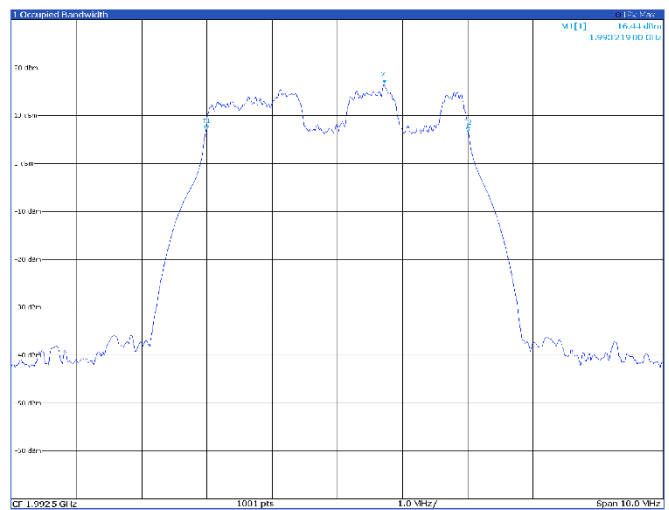
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.994208 GHz	13.68 dBm	Occ BW	4.003928024 MHz
T1	1		1.9935001 GHz	6.14 dBm	Occ BW Centroid	1.992502013 GHz
T2	1		1.994555 GHz	4.57 dBm	Occ BW Trng Offset	-7.04139235 kHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.993219 GHz	17.56 dBm	Occ BW	4.007044059 MHz
T1	1		1.9924445 GHz	7.74 dBm	Occ BW Centroid	1.992581231 GHz
T2	1		1.9934007 GHz	7.85 dBm	Occ BW Trng Offset	1.992798177 GHz

TM3p3, 5 MHz, high channel

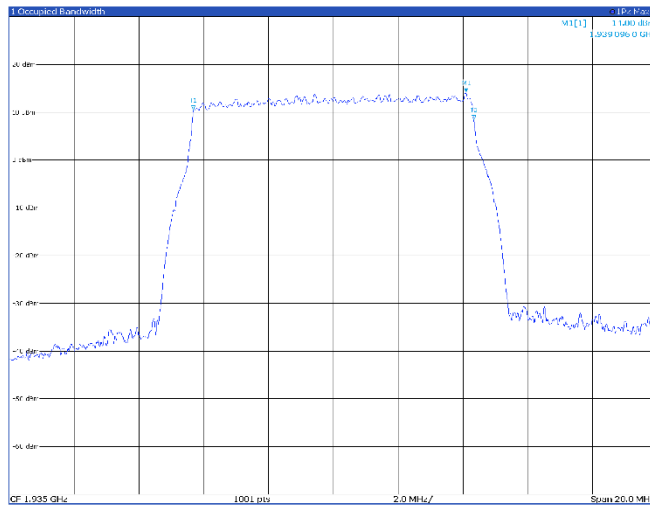


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		1.993219 GHz	16.44 dBm	Occ BW	4.019697704 MHz
T1	1		1.9924883 GHz	6.69 dBm	Occ BW Centroid	1.992486175 GHz
T2	1		1.994253 GHz	6.59 dBm	Occ BW Trng Offset	-5.826795916 kHz

Band n25

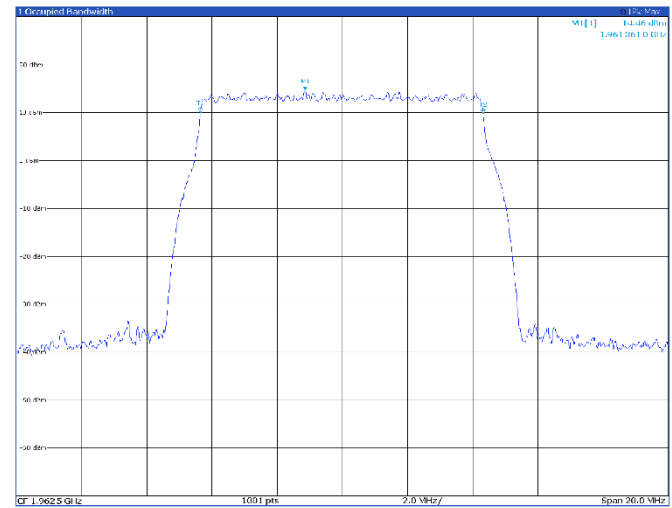
10 MHz

TM1.1, 10 MHz, low channel



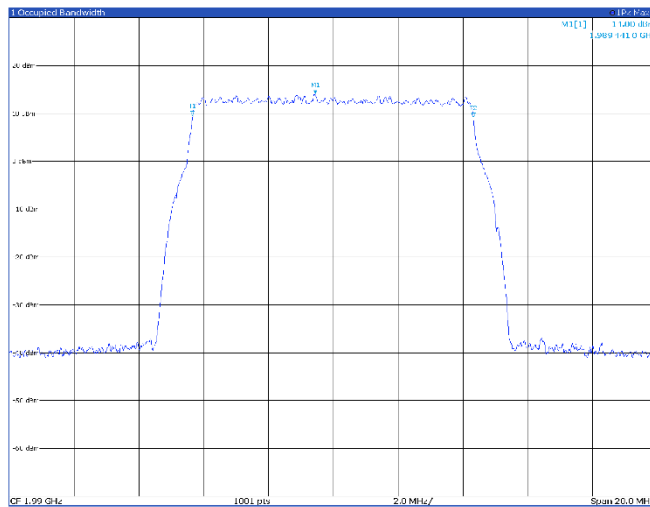
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.939 096 GHz	14.00 dBm	Occ BW	8.664 450 054 MHz
T1	1		1.932 576 GHz	10.02 dBm	Occ BW Control	1.932 576 GHz
T2	1		1.945 596 GHz	8.68 dBm	Occ BW Control	1.945 596 GHz

TM1.1, 10 MHz, mid channel



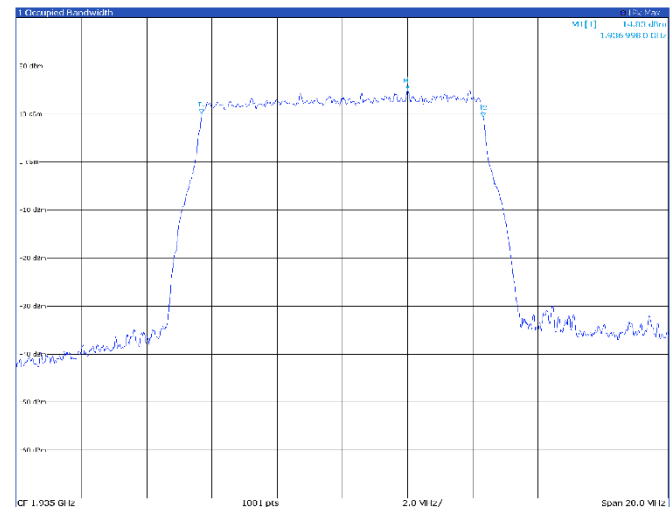
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.961 361 GHz	14.46 dBm	Occ BW	8.672 114 1 MHz
T1	1		1.950 122 GHz	9.92 dBm	Occ BW Control	1.950 122 GHz
T2	1		1.963 601 GHz	9.65 dBm	Occ BW Control	1.963 601 GHz

TM1.1, 10 MHz, high channel



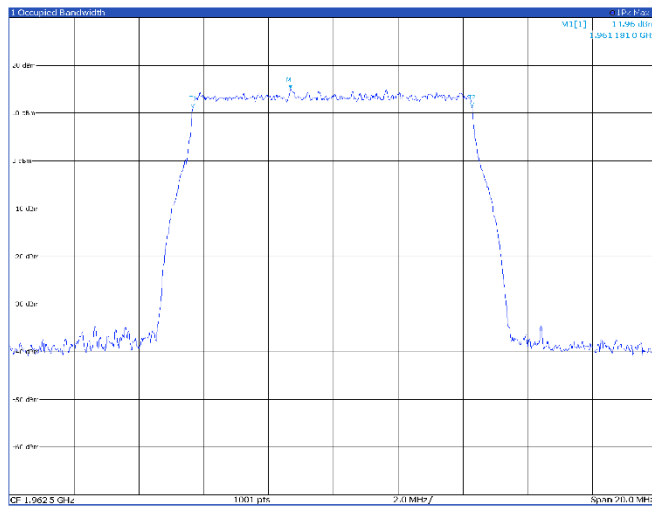
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.989 441 GHz	14.00 dBm	Occ BW	8.665 037 902 MHz
T1	1		1.983 546 GHz	9.94 dBm	Occ BW Control	1.983 546 GHz
T2	1		1.995 336 GHz	9.15 dBm	Occ BW Control	1.995 336 GHz

TM3p1, 10 MHz, low channel



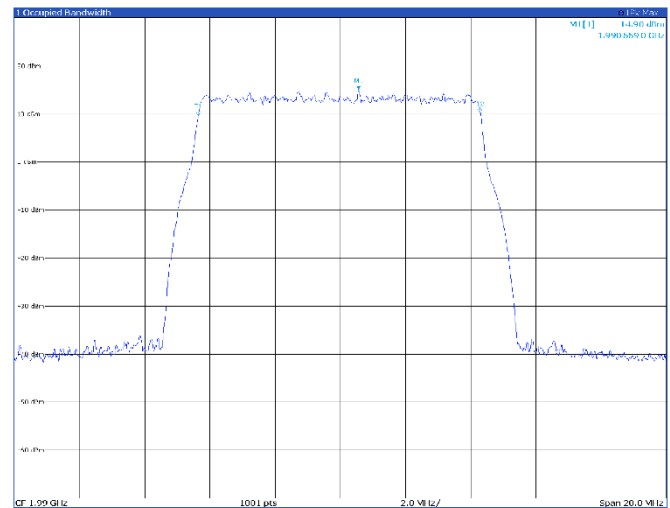
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.936 999 GHz	14.83 dBm	Occ BW	8.641 329 413 MHz
T1	1		1.931 073 GHz	9.92 dBm	Occ BW Control	1.931 073 GHz
T2	1		1.942 925 GHz	9.42 dBm	Occ BW Control	1.942 925 GHz

TM3p1, 10 MHz, mid channel



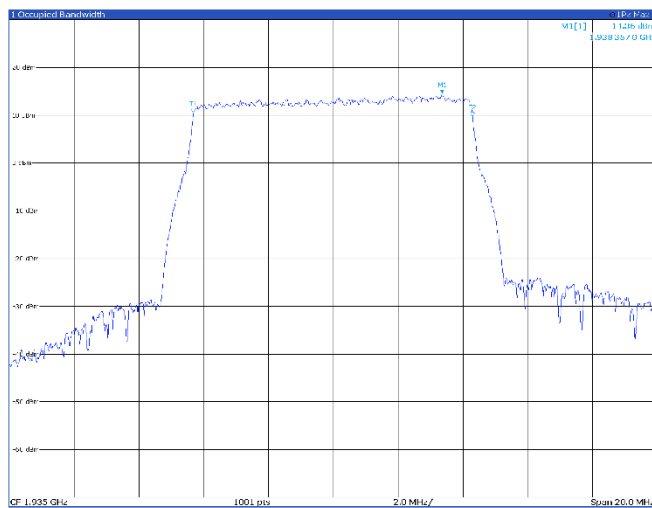
Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.961181 GHz	14.96 dBm	Occ: SW	8.627532664 MHz
M1	1		1.961181 GHz	14.96 dBm	Occ: SW	1.961181 GHz
M1	1		1.961181 GHz	14.96 dBm	Occ: SW	1.961181 GHz

TM3p1, 10 MHz, high channel



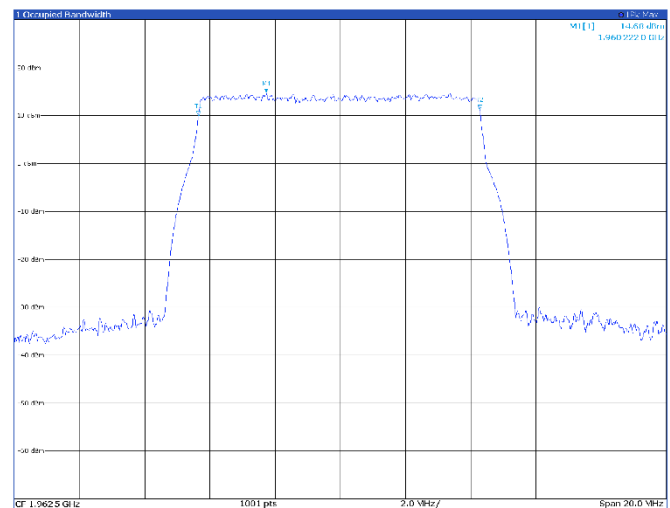
Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.990559 GHz	14.90 dBm	Occ: SW	8.657860723 MHz
M1	1		1.990559 GHz	14.90 dBm	Occ: SW	1.990559 GHz
M1	1		1.990559 GHz	14.90 dBm	Occ: SW	1.990559 GHz

TM3p1a, 10 MHz, low channel



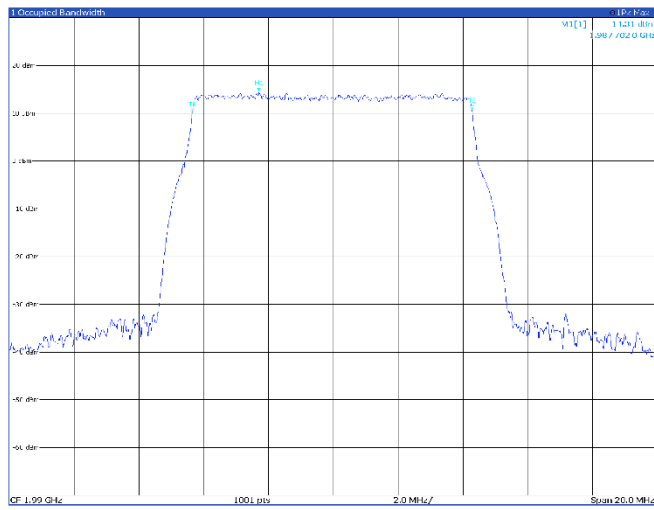
Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.938357 GHz	14.36 dBm	Occ: SW	8.618682252 MHz
M1	1		1.938357 GHz	14.36 dBm	Occ: SW	1.938357 GHz
M1	1		1.938357 GHz	14.36 dBm	Occ: SW	1.938357 GHz

TM3p1a, 10 MHz, mid channel



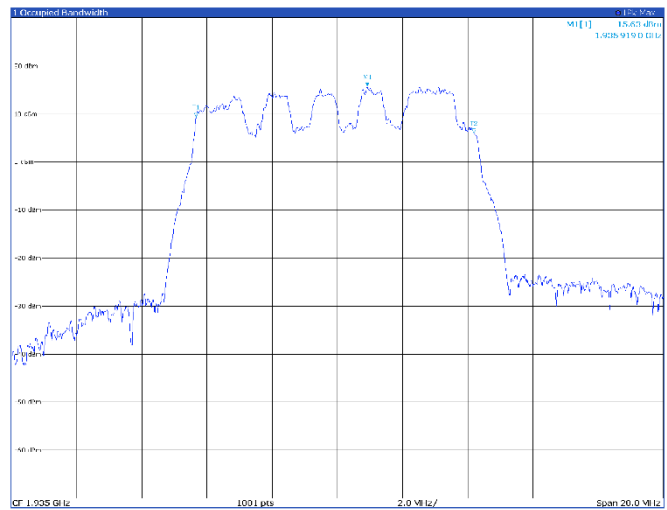
Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.960222 GHz	14.68 dBm	Occ: SW	8.634571018 MHz
M1	1		1.960222 GHz	14.68 dBm	Occ: SW	1.960222 GHz
M1	1		1.960222 GHz	14.68 dBm	Occ: SW	1.960222 GHz

TM3p1a, 10 MHz, high channel



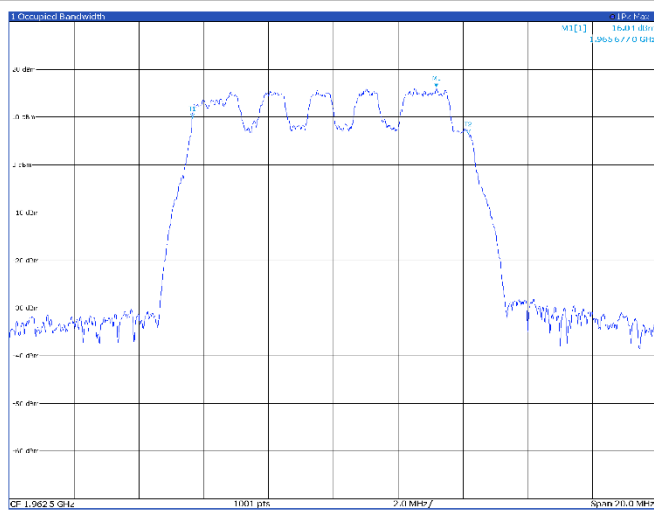
Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.987702 GHz	14.31 dBm	Occ 5m	8.633422007 MHz
M2	1		1.985640 GHz	9.22 dBm	Occ 5m Channel	1.985640 GHz
M3	1		1.988760 GHz	10.00 dBm	Occ 5m Channel	1.988760 GHz

TM3p3, 10 MHz, low channel



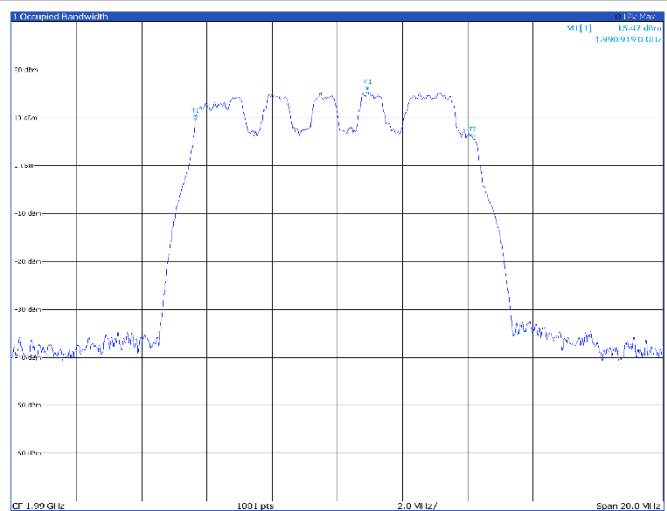
Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.935919 GHz	15.63 dBm	Occ 5m	8.519134176 MHz
M2	1		1.931669 GHz	9.12 dBm	Occ 5m Channel	1.931669 GHz
M3	1		1.939159 GHz	9.05 dBm	Occ 5m Channel	1.939159 GHz

TM3p3, 10 MHz, mid channel



Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.965677 GHz	16.04 dBm	Occ 5m	8.517490469 MHz
M2	1		1.963640 GHz	9.22 dBm	Occ 5m Channel	1.963640 GHz
M3	1		1.967680 GHz	6.22 dBm	Occ 5m Channel	1.967680 GHz

TM3p3, 10 MHz, high channel

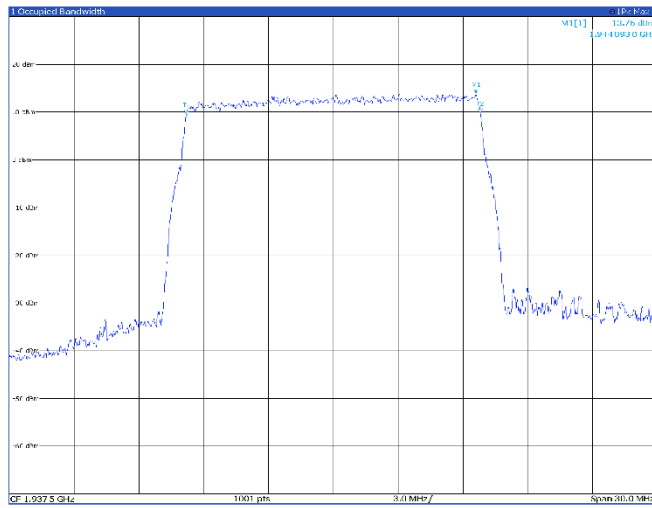


Marker	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.990919 GHz	15.47 dBm	Occ 5m	8.510678773 MHz
M2	1		1.988041 GHz	9.43 dBm	Occ 5m Channel	1.988041 GHz
M3	1		1.993769 GHz	9.43 dBm	Occ 5m Channel	1.993769 GHz

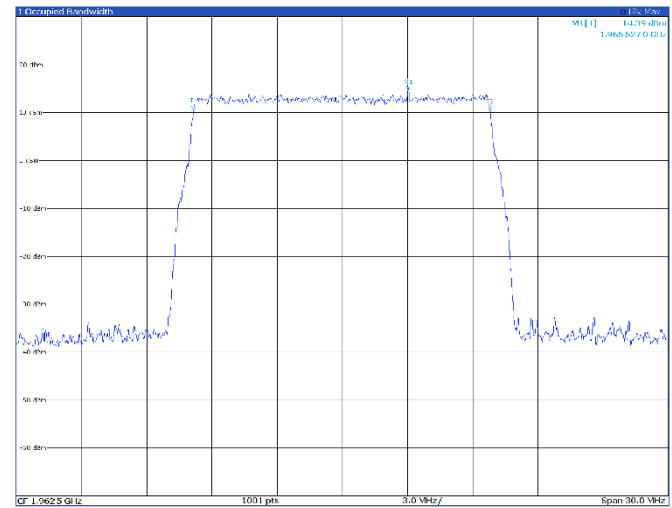
Band n25

15 MHz

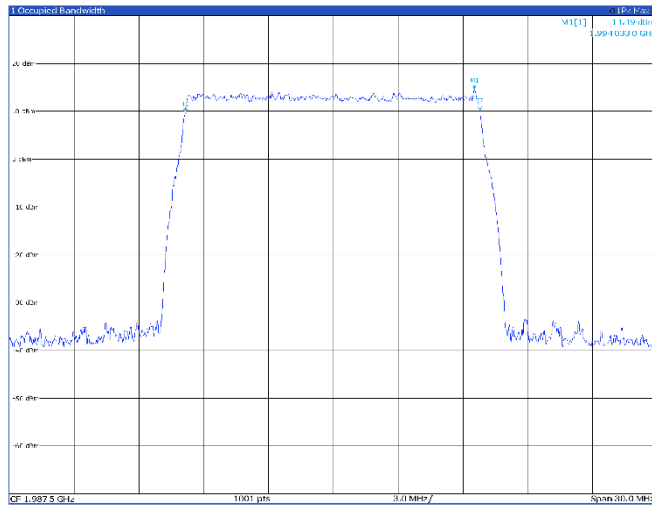
TM1.1, 15 MHz, low channel



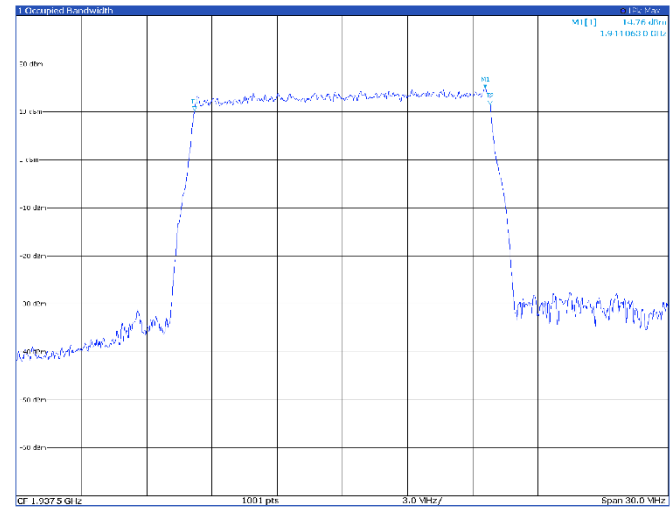
TM1.1, 15 MHz, mid channel



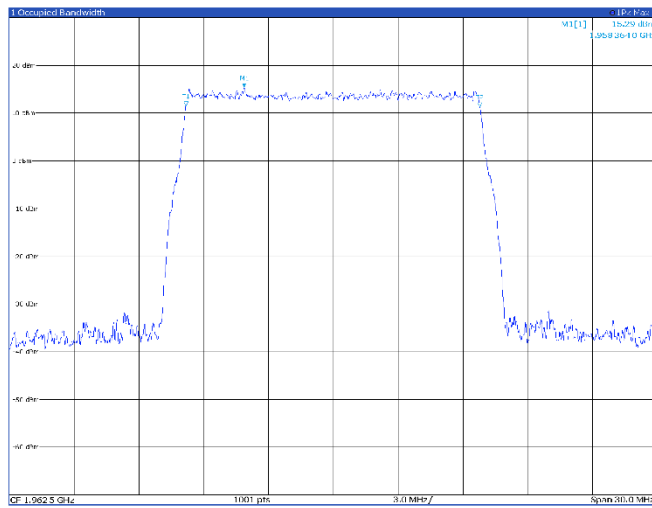
TM1.1, 15 MHz, high channel



TM3p1, 15 MHz, low channel

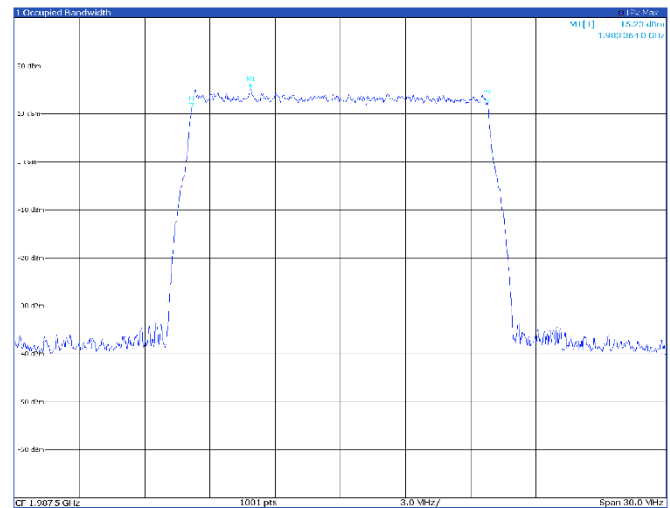


TM3p1, 15 MHz, mid channel



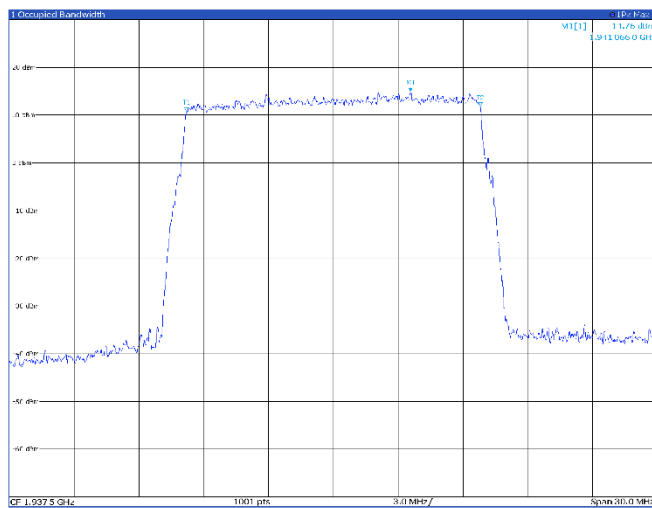
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.958364 GHz	15.29 dBm	Occ Sw	13.602995684 MHz
P1	1		1.958364 GHz	15.29 dBm	Occ Sw Channel	1.958364 GHz
P1	1		1.958364 GHz	15.29 dBm	Occ Sw Channel	1.958364 GHz

TM3p1, 15 MHz, high channel



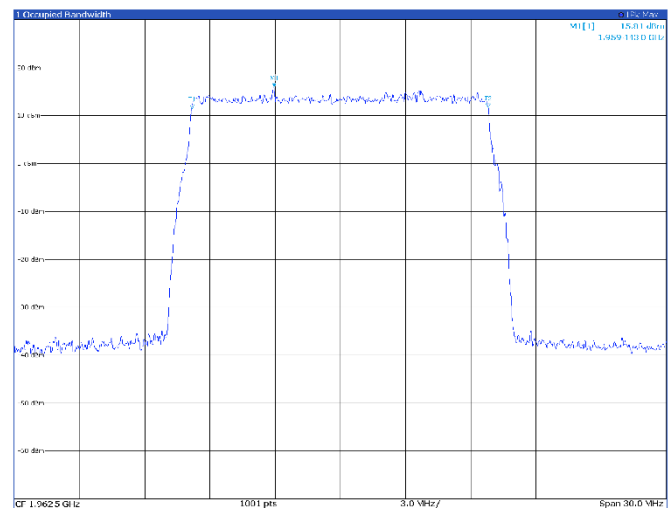
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.963364 GHz	15.23 dBm	Occ Sw	13.616195131 MHz
P1	1		1.963364 GHz	15.23 dBm	Occ Sw Channel	1.963364 GHz
P1	1		1.963364 GHz	15.23 dBm	Occ Sw Channel	1.963364 GHz

TM3p1a, 15 MHz, low channel



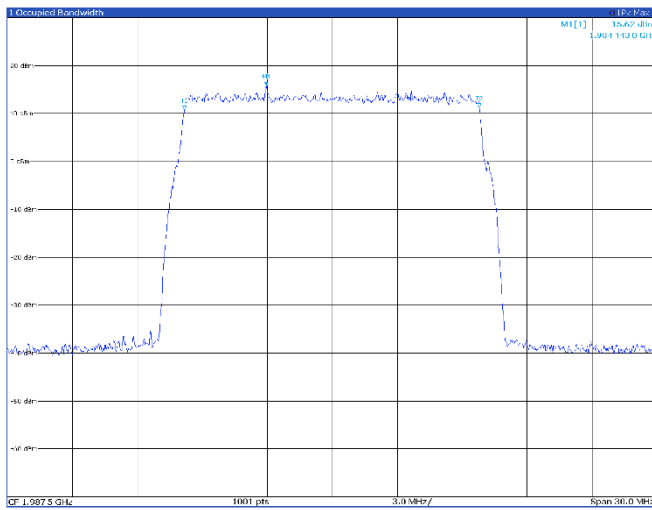
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.941066 GHz	14.75 dBm	Occ Sw	13.601439563 MHz
P1	1		1.941066 GHz	14.75 dBm	Occ Sw Channel	1.941066 GHz
P1	1		1.941066 GHz	14.75 dBm	Occ Sw Channel	1.941066 GHz

TM3p1a, 15 MHz, mid channel



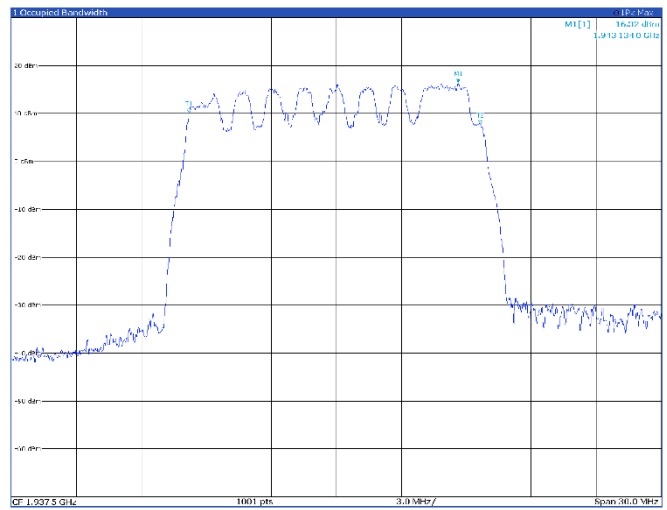
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		1.959443 GHz	15.01 dBm	Occ Sw	13.626728498 MHz
P1	1		1.959443 GHz	15.01 dBm	Occ Sw Channel	1.959443 GHz
P1	1		1.959443 GHz	15.01 dBm	Occ Sw Channel	1.959443 GHz

TM3p1a, 15 MHz, high channel



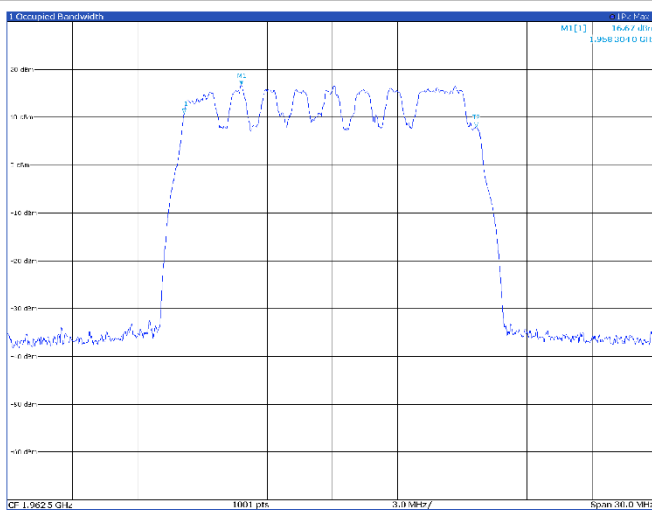
Type	Ref	Trc	X Value	Y Value	Function	Function Result
1	1	1	1.984443 GHz	15.62 dBm	Occ. BW	13.610823116 MHz
1	1	1	1.990665 GHz	10.00 dBm	Occ. BW	1.927472275 GHz
2	1	1	1.992777 GHz	10.00 dBm	Occ. BW	2.027777778 GHz

TM3p3, 15 MHz, low channel



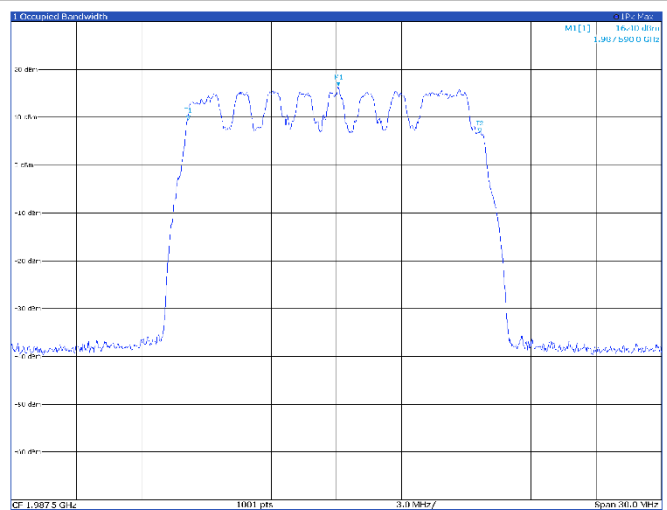
Type	Ref	Trc	X Value	Y Value	Function	Function Result
1	1	1	1.943134 GHz	16.32 dBm	Occ. BW	13.438877195 MHz
1	1	1	1.920704 GHz	10.00 dBm	Occ. BW	1.927412502 GHz
2	1	1	1.984142 GHz	10.00 dBm	Occ. BW	1.984142502 GHz

TM3p3, 15 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
1	1	1	1.958304 GHz	16.67 dBm	Occ. BW	13.473048974 MHz
1	1	1	1.990665 GHz	10.00 dBm	Occ. BW	1.927472275 GHz
2	1	1	1.992777 GHz	10.00 dBm	Occ. BW	2.027777778 GHz

TM3p3, 15 MHz, high channel

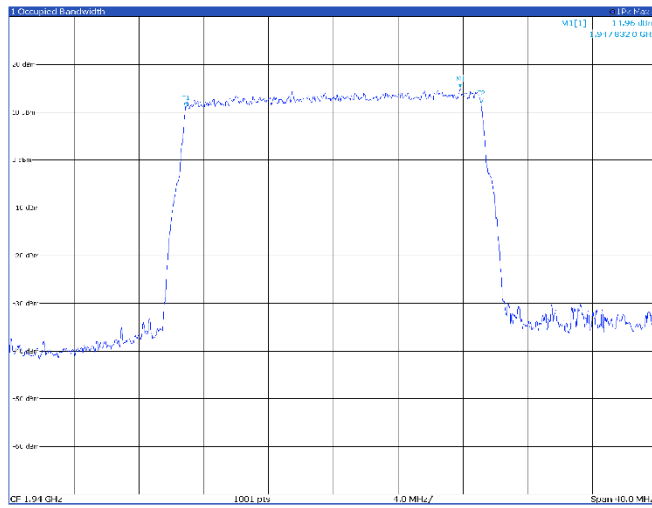


Type	Ref	Trc	X Value	Y Value	Function	Function Result
1	1	1	1.98759 GHz	16.40 dBm	Occ. BW	13.458309912 MHz
1	1	1	1.990665 GHz	10.00 dBm	Occ. BW	1.927472275 GHz
2	1	1	1.992777 GHz	10.00 dBm	Occ. BW	2.027777778 GHz

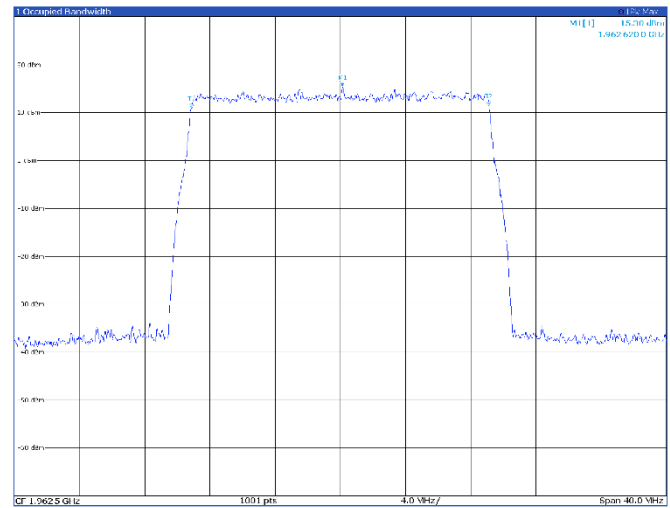
Band n25

20 MHz

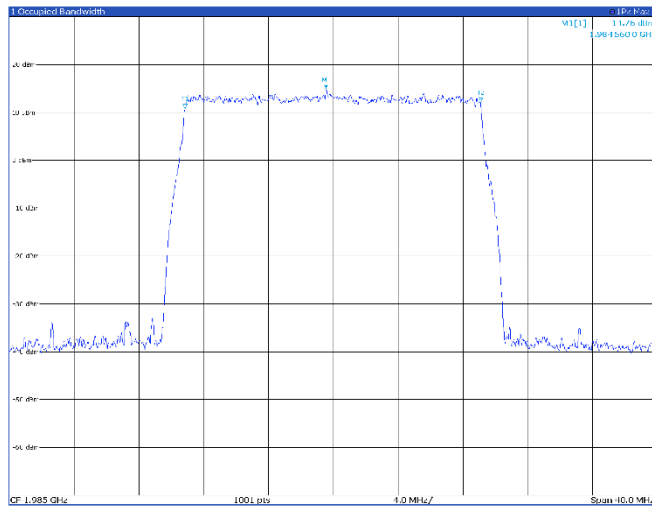
TM1.1, 20 MHz, low channel



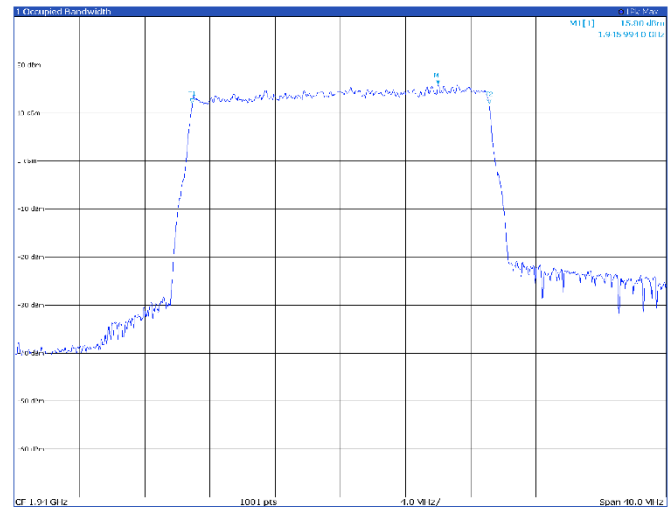
TM1.1, 20 MHz, mid channel



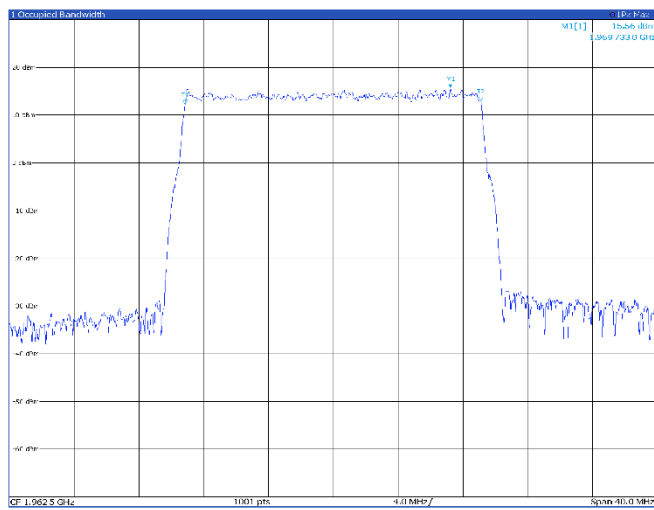
TM1.1, 20 MHz, high channel



TM3p1, 20 MHz, low channel

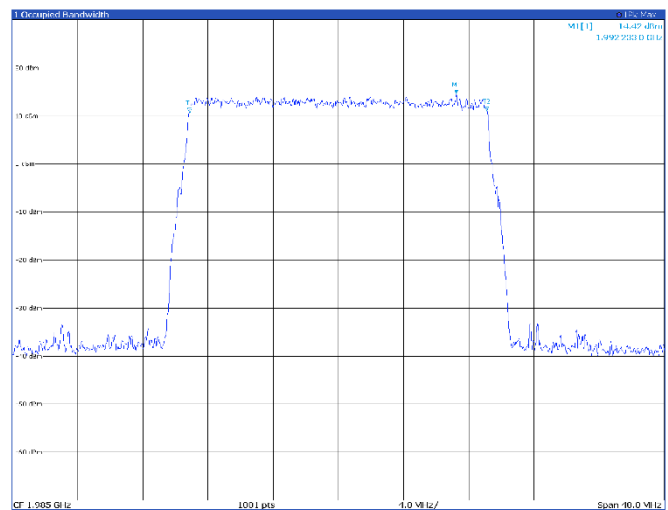


TM3p1, 20 MHz, mid channel



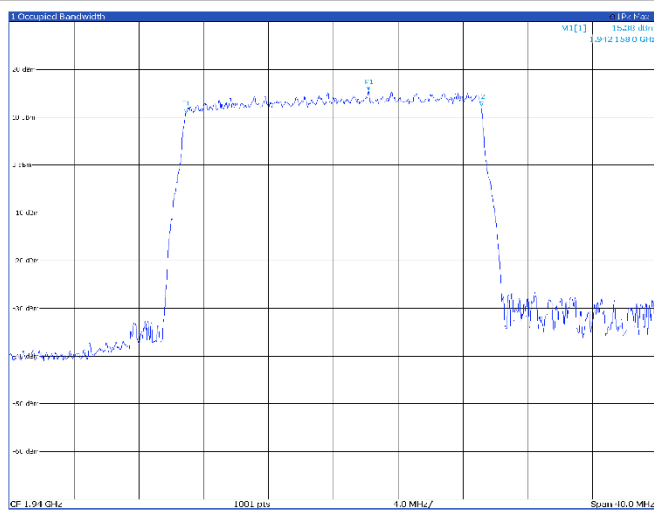
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		1.969733 GHz	15.56 dBm		Occ Sw	18.262227968 MHz
M2	1		1.969733 GHz	12.21 dBm		Occ Sw	1.969733 GHz
M3	1		1.969733 GHz	12.21 dBm		Occ Sw	1.969733 GHz

TM3p1, 20 MHz, high channel



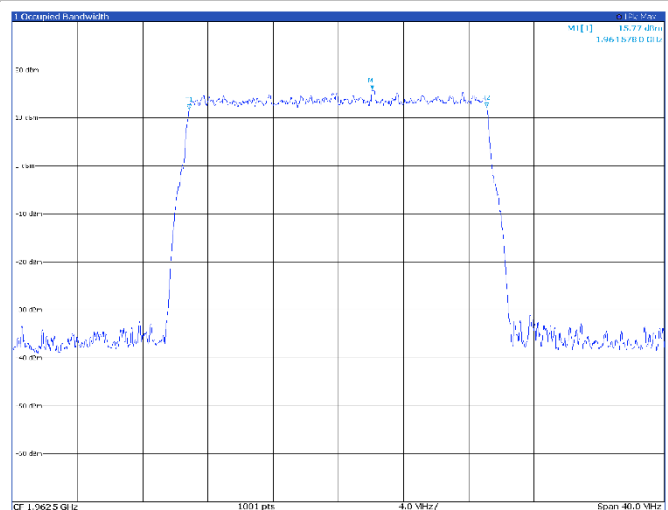
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		1.992233 GHz	14.42 dBm		Occ Sw	18.239506432 MHz
M2	1		1.992233 GHz	10.62 dBm		Occ Sw	1.992233 GHz
M3	1		1.992233 GHz	10.62 dBm		Occ Sw	1.992233 GHz

TM3p1a, 20 MHz, low channel



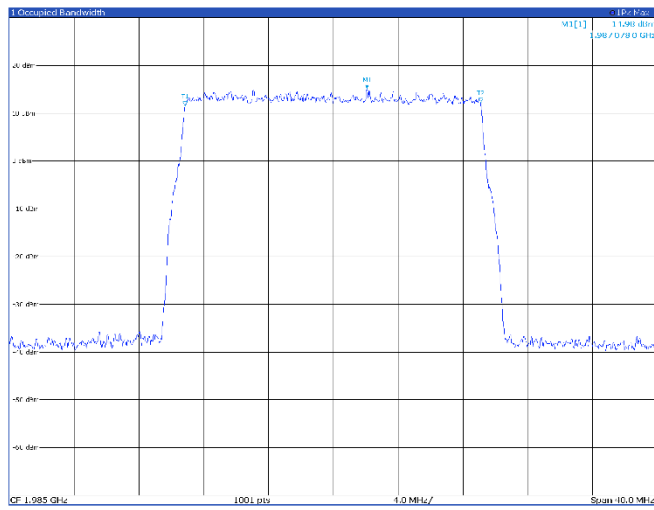
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		1.942158 GHz	15.38 dBm		Occ Sw	18.230226274 MHz
M2	1		1.942158 GHz	10.56 dBm		Occ Sw	1.942158 GHz
M3	1		1.942158 GHz	10.56 dBm		Occ Sw	1.942158 GHz

TM3p1a, 20 MHz, mid channel



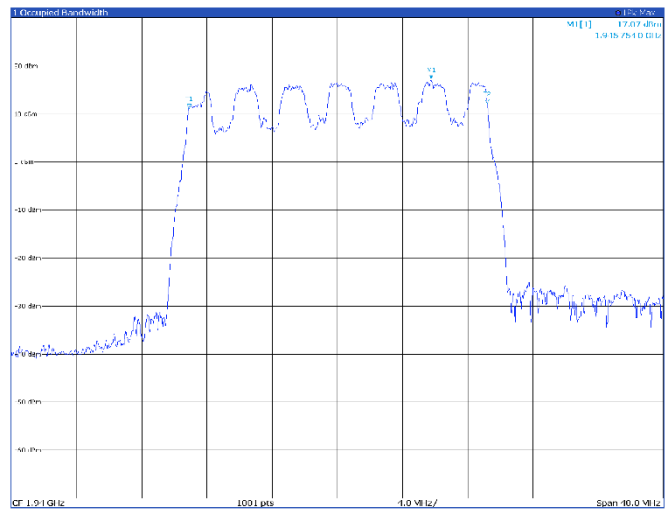
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		1.964578 GHz	15.77 dBm		Occ Sw	18.268233428 MHz
M2	1		1.964578 GHz	11.73 dBm		Occ Sw	1.964578 GHz
M3	1		1.964578 GHz	11.73 dBm		Occ Sw	1.964578 GHz

TM3p1a, 20 MHz, high channel



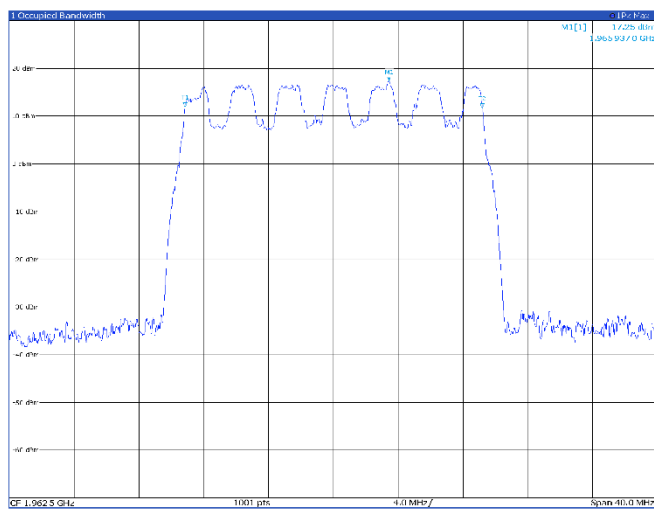
Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		1.987078 GHz	14.98 dBm	Occ Sw	18.237237759 MHz	
M2	1		1.985 GHz	11.92 dBm	Occ Sw	1.985 GHz	
M3	1		1.990 GHz	11.92 dBm	Occ Sw	1.990 GHz	

TM3p3, 20 MHz, low channel



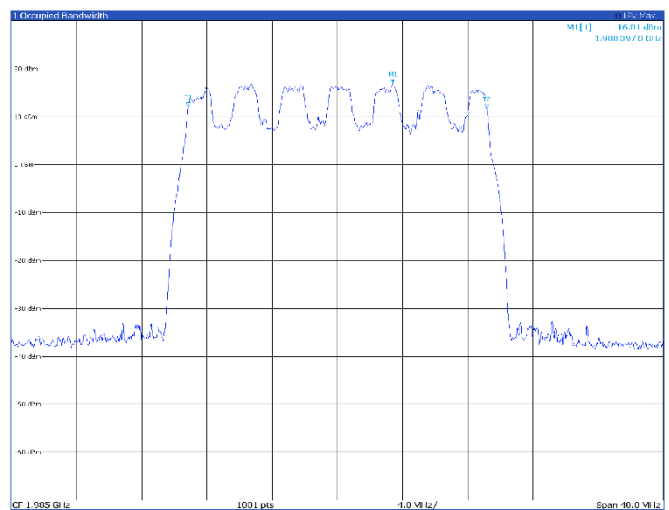
Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		1.945754 GHz	17.07 dBm	Occ Sw	18.296655908 MHz	
M2	1		1.941 GHz	11.12 dBm	Occ Sw	1.941 GHz	
M3	1		1.949 GHz	11.12 dBm	Occ Sw	1.949 GHz	

TM3p3, 20 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		1.965937 GHz	17.25 dBm	Occ Sw	18.318707129 MHz	
M2	1		1.962.5 GHz	11.04 dBm	Occ Sw	1.962.5 GHz	
M3	1		1.969 GHz	11.04 dBm	Occ Sw	1.969 GHz	

TM3p3, 20 MHz, high channel



Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		1.988397 GHz	16.81 dBm	Occ Sw	18.315553636 MHz	
M2	1		1.985 GHz	11.92 dBm	Occ Sw	1.985 GHz	
M3	1		1.991 GHz	11.92 dBm	Occ Sw	1.991 GHz	

8.3 FCC §2.1049(h) 26 dB Occupied Bandwidth

8.3.1 Definitions and limits

(3) Measurement procedure.

(i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

8.3.2 Test summary

Test start date	September 26, 2024	Temperature	22 °C
Test end date	October 11, 2024	Air pressure	1001 mbar
Test engineer	O. Frau	Relative humidity	62%
Verdict	Pass		

8.3.3 Observations, settings and special notes

Test method: ANSI C63.26 Section 5.4.4

Spectrum analyzer settings:

Resolution bandwidth	1% - 5% OBW
Video bandwidth	3*RBW
Frequency span	2*OBW
Detector mode	Peak
Trace mode	Max Hold

8.3.3 Test equipment used

Equipment	Manufacturer	Model no.	Asset no.
Spectrum Analyzer	Rohde & Schwarz	FSW43	101767

8.3.4 Test data

Band n25: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM1.1	1932.5	4.91
n25	5 MHz	TM1.1	1962.5	4.92
n25	5 MHz	TM1.1	1992.5	4.93

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM3p1	1932.5	4.83
n25	5 MHz	TM3p1	1962.5	4.91
n25	5 MHz	TM3p1	1992.5	4.89

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM3p1a	1932.5	4.88
n25	5 MHz	TM3p1a	1962.5	4.87
n25	5 MHz	TM3p1a	1992.5	4.88

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM3p3	1932.5	4.75
n25	5 MHz	TM3p3	1962.5	4.86
n25	5 MHz	TM3p3	1992.5	4.87

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM1.1	1935.0	10.03
n25	10 MHz	TM1.1	1962.5	10.07
n25	10 MHz	TM1.1	1990.0	10.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM3p1	1935.0	9.91
n25	10 MHz	TM3p1	1962.5	9.93
n25	10 MHz	TM3p1	1990.0	9.89

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM3p1a	1935.0	10.01
n25	10 MHz	TM3p1a	1962.5	10.01
n25	10 MHz	TM3p1a	1990.0	10.03

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM3p3	1935.0	9.77
n25	10 MHz	TM3p3	1962.5	9.81
n25	10 MHz	TM3p3	1990.0	9.75

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM1.1	1937.5	15.02
n25	15 MHz	TM1.1	1962.5	15.13
n25	15 MHz	TM1.1	1987.5	15.13

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM3p1	1937.5	15.04
n25	15 MHz	TM3p1	1962.5	15.04
n25	15 MHz	TM3p1	1987.5	15.04

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM3p1a	1937.5	15.11
n25	15 MHz	TM3p1a	1962.5	15.04
n25	15 MHz	TM3p1a	1987.5	15.02

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM3p3	1937.5	14.89
n25	15 MHz	TM3p3	1962.5	14.87
n25	15 MHz	TM3p3	1987.5	14.93

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM1.1	1940.0	19.82
n25	20 MHz	TM1.1	1962.5	19.98
n25	20 MHz	TM1.1	1985.0	19.98

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM3p1	1940.0	19.98
n25	20 MHz	TM3p1	1962.5	20.06
n25	20 MHz	TM3p1	1985.0	20.02

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM3p1a	1940.0	19.82
n25	20 MHz	TM3p1a	1962.5	19.98
n25	20 MHz	TM3p1a	1985.0	19.98

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM3p3	1940.0	19.90
n25	20 MHz	TM3p3	1962.5	19.98
n25	20 MHz	TM3p3	1985.0	20.02

Band n25: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM1.1	1932.5	4.92
n25	5 MHz	TM1.1	1962.5	4.95
n25	5 MHz	TM1.1	1992.5	4.88
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM3p1	1932.5	4.79
n25	5 MHz	TM3p1	1962.5	4.84
n25	5 MHz	TM3p1	1992.5	4.92
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM3p1a	1932.5	4.89
n25	5 MHz	TM3p1a	1962.5	4.82
n25	5 MHz	TM3p1a	1992.5	4.88
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	5 MHz	TM3p3	1932.5	4.75
n25	5 MHz	TM3p3	1962.5	4.86
n25	5 MHz	TM3p3	1992.5	4.75
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM1.1	1935.0	10.05
n25	10 MHz	TM1.1	1962.5	10.05
n25	10 MHz	TM1.1	1990.0	10.09
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM3p1	1935.0	9.91
n25	10 MHz	TM3p1	1962.5	9.97
n25	10 MHz	TM3p1	1990.0	9.95
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM3p1a	1935.0	10.01
n25	10 MHz	TM3p1a	1962.5	10.05
n25	10 MHz	TM3p1a	1990.0	10.01
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	10 MHz	TM3p3	1935.0	9.75
n25	10 MHz	TM3p3	1962.5	9.81
n25	10 MHz	TM3p3	1990.0	9.81

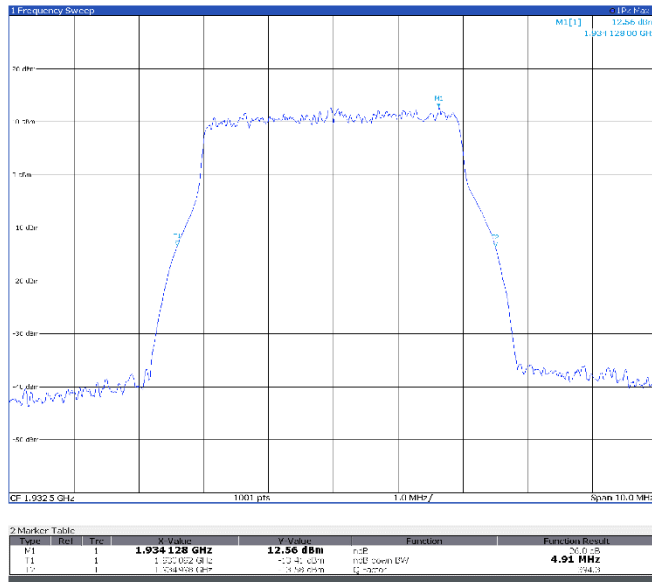
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM1.1	1937.5	14.98
n25	15 MHz	TM1.1	1962.5	15.11
n25	15 MHz	TM1.1	1987.5	15.13
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM3p1	1937.5	15.02
n25	15 MHz	TM3p1	1962.5	15.04
n25	15 MHz	TM3p1	1987.5	15.02
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM3p1a	1937.5	15.04
n25	15 MHz	TM3p1a	1962.5	15.07
n25	15 MHz	TM3p1a	1987.5	15.02
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	15 MHz	TM3p3	1937.5	14.89
n25	15 MHz	TM3p3	1962.5	14.96
n25	15 MHz	TM3p3	1987.5	14.93
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM1.1	1940.0	19.86
n25	20 MHz	TM1.1	1962.5	19.98
n25	20 MHz	TM1.1	1985.0	19.94
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM3p1	1940.0	19.98
n25	20 MHz	TM3p1	1962.5	20.02
n25	20 MHz	TM3p1	1985.0	20.02
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM3p1a	1940.0	19.86
n25	20 MHz	TM3p1a	1962.5	19.98
n25	20 MHz	TM3p1a	1985.0	19.98
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n25	20 MHz	TM3p3	1940.0	19.90
n25	20 MHz	TM3p3	1962.5	19.98
n25	20 MHz	TM3p3	1985.0	19.94

Antenna port 1

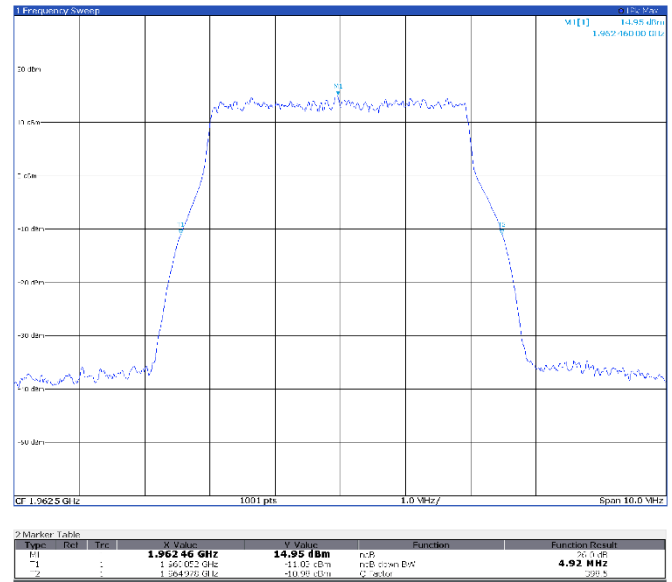
Band n25

5 MHz

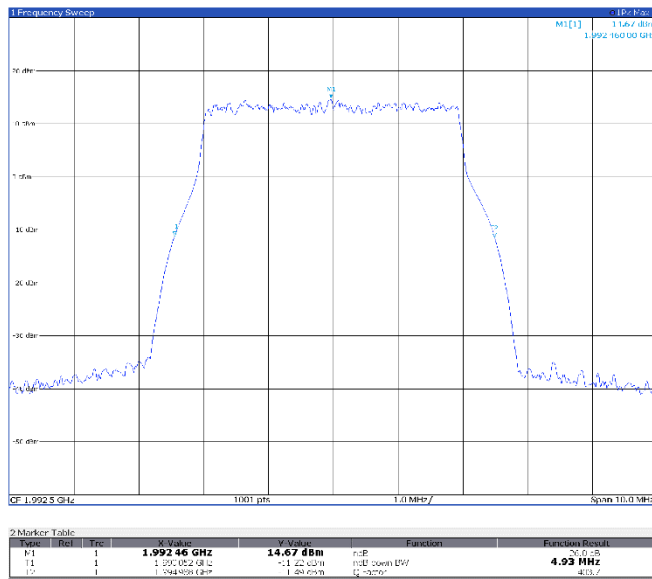
TM1.1, 5 MHz, low channel



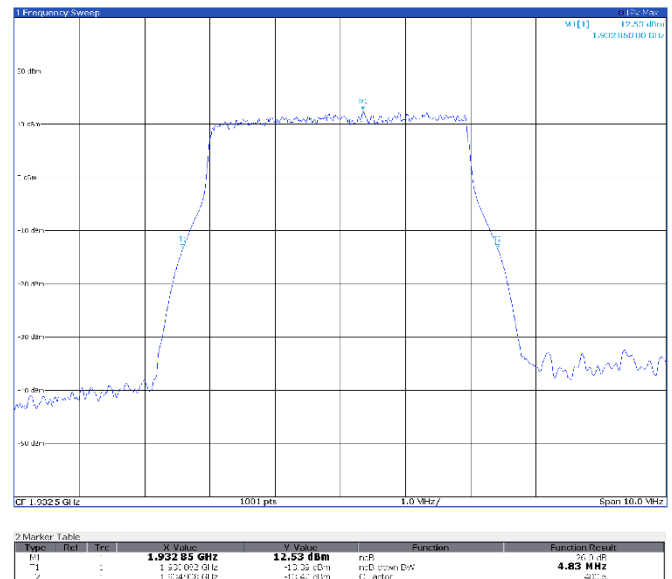
TM1.1, 5 MHz, mid channel



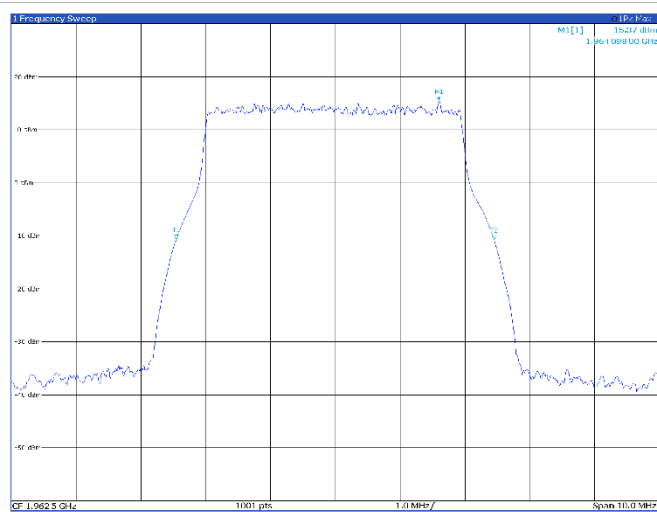
TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

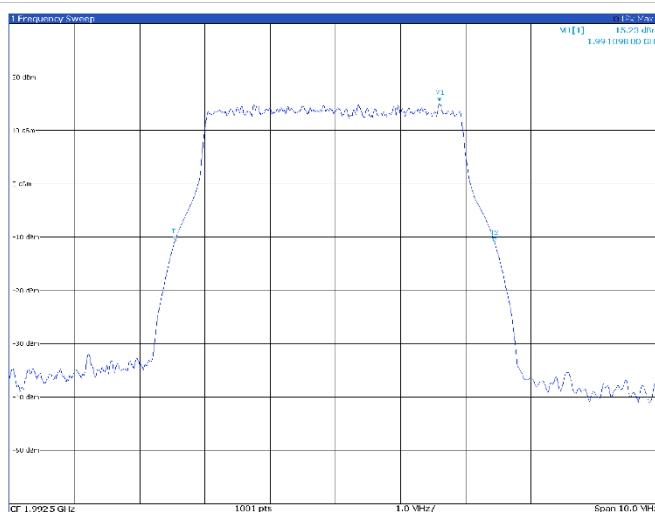


TM3p1, 5 MHz, mid channel



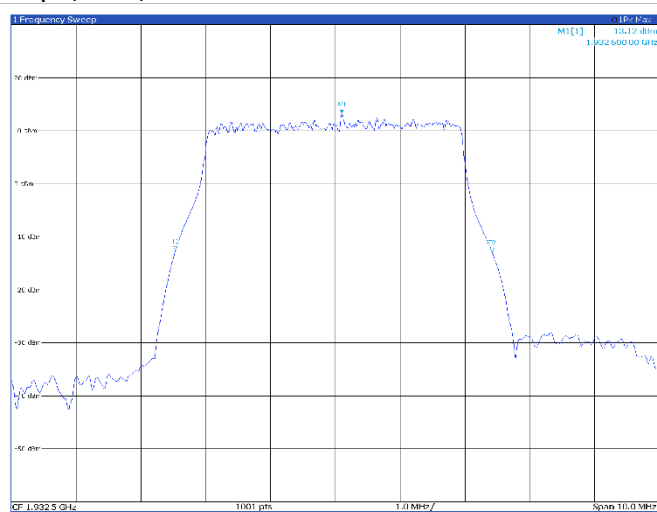
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
F1		1	1.964 098 GHz	15.37 dBm	nB	20.0 dB
T1		1	1.964 042 GHz	-10.74 dBm	nB down BW	4.91 MHz
L2		1	1.964 042 GHz	1.964 042 GHz	1.964 042 GHz	4.91 MHz

TM3p1, 5 MHz, high channel



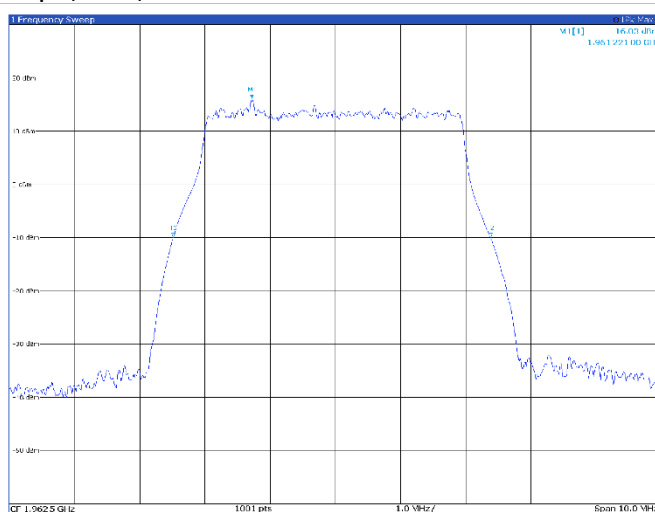
Type	Ref	Trc	X Value	Y Value	Function	Function Result
f1	:		1.994 098 GHz	15.23 dBm	n/B	26.0 dB
f1	:		1.994 012 GHz	-10.66 dBm	n/B down BW	4.89 MHz
f2	:		1.994 038 GHz	-10.95 dBm	C carrier	507.4

TM3p1a, 5 MHz, low channel



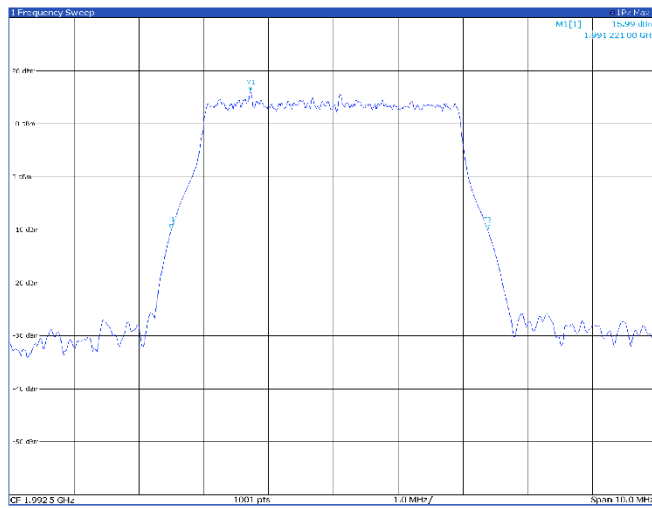
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1		1	1.9326 GHz	13.12 dBm	noP	36.0 dB
T1		1	1.9326 GHz	-12.89 dBm	noP down 15W	4.88 MHz
P2		1	1.9326 GHz	12.90 dBm	Q-matter	36.0 dB

TM3p1a, 5 MHz, mid channel



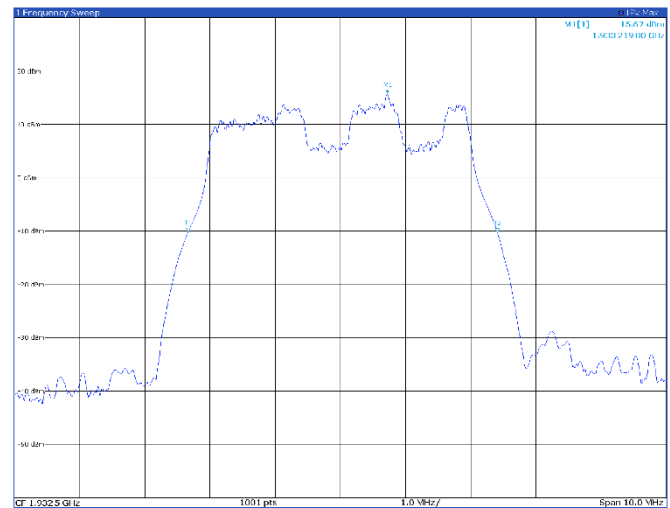
Type	Ref	Trc	X Value	Y Value	Function	Function Result
F1			1.961 221 GHz	16.03 dBm	nD	26.1 dB
F1	:		1.961 012 GHz	-9.99 dBm	nD down BW	4.87 MHz
F1	:		1.961 012 GHz	-9.99 dBm		20.34

TM3p1a, 5 MHz, high channel



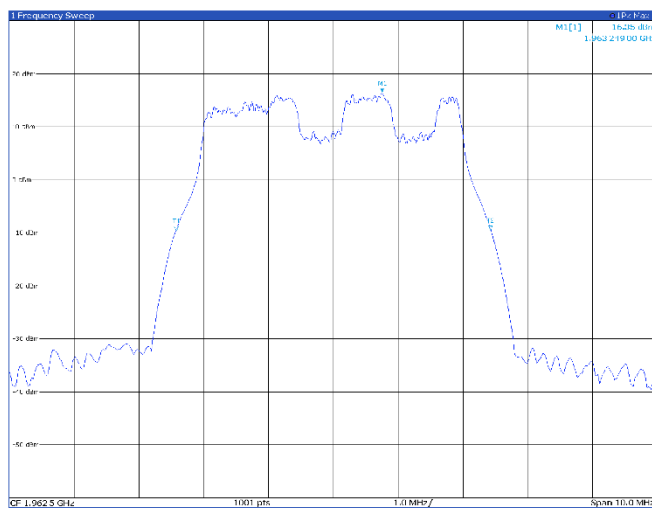
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		1.991 221 GHz	15.99 dBm	nB	30.0 dB	4.88 MHz
M1	1		1.991 221 GHz	15.99 dBm	nB	30.0 dB	4.88 MHz
M1	1		1.991 221 GHz	15.99 dBm	nB	30.0 dB	4.88 MHz

TM3p3, 5 MHz, low channel



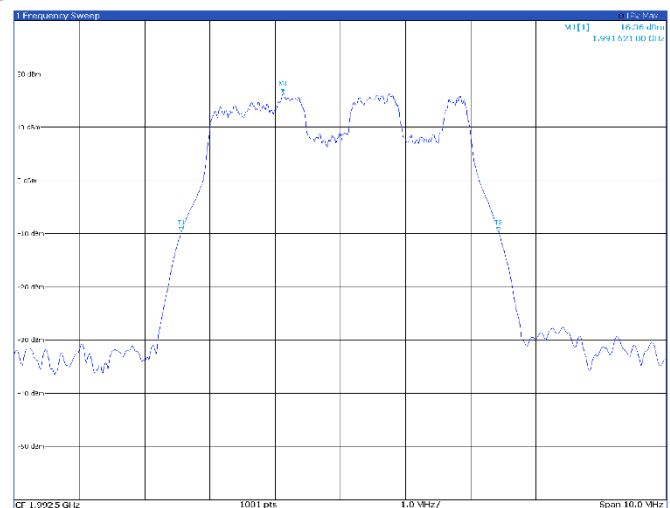
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		1.993 215 GHz	15.67 dBm	nB	30.0 dB	4.75 MHz
M1	1		1.993 215 GHz	15.67 dBm	nB	30.0 dB	4.75 MHz
M1	1		1.993 215 GHz	15.67 dBm	nB	30.0 dB	4.75 MHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		1.993 249 GHz	16.35 dBm	nB	30.0 dB	4.86 MHz
M1	1		1.993 249 GHz	16.35 dBm	nB	30.0 dB	4.86 MHz
M1	1		1.993 249 GHz	16.35 dBm	nB	30.0 dB	4.86 MHz

TM3p3, 5 MHz, high channel

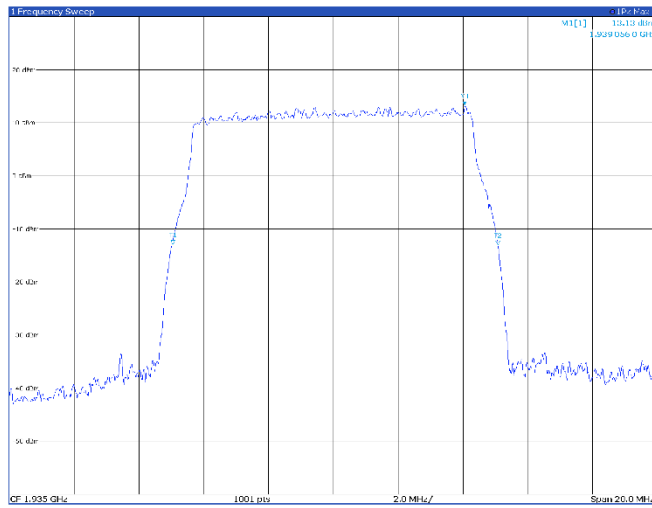


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		1.991 022 GHz	16.36 dBm	nB	30.0 dB	4.87 MHz
M1	1		1.991 022 GHz	16.36 dBm	nB	30.0 dB	4.87 MHz
M1	1		1.991 022 GHz	16.36 dBm	nB	30.0 dB	4.87 MHz

Band n25

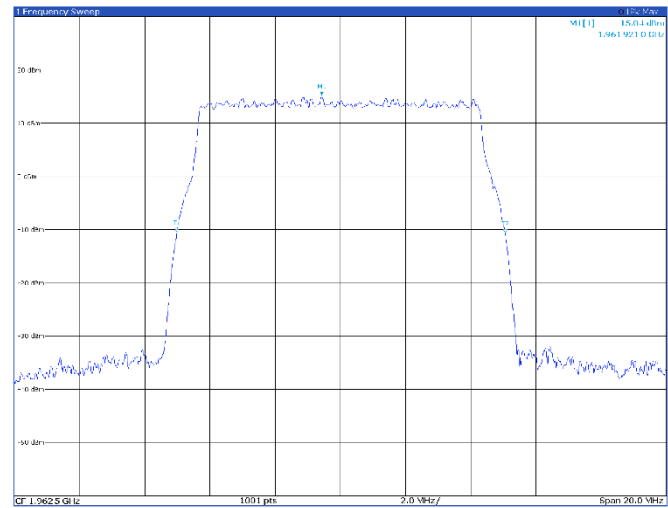
10 MHz

TM1.1, 10 MHz, low channel



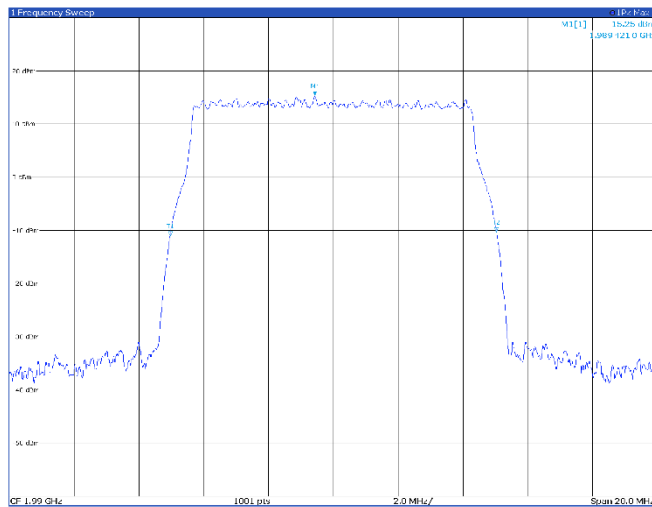
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.939 056 GHz	13.13 dBm	nB	20.0 dB
M2	1		1.939 056 GHz	-12.97 dBm	nB down BW	10.03 MHz
M3	1		1.939 056 GHz	-13.09 dBm	Q-factor	19.3

TM1.1, 10 MHz, mid channel



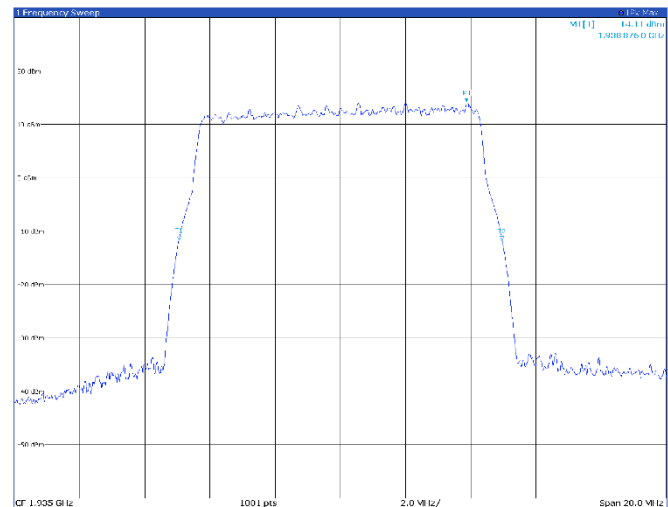
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.9461 921 GHz	15.04 dBm	nB	20.0 dB
M2	1		1.9461 921 GHz	-10.51 dBm	nB down BW	10.07 MHz
M3	1		1.9461 921 GHz	-11.77 dBm	Q-factor	19.4

TM1.1, 10 MHz, high channel



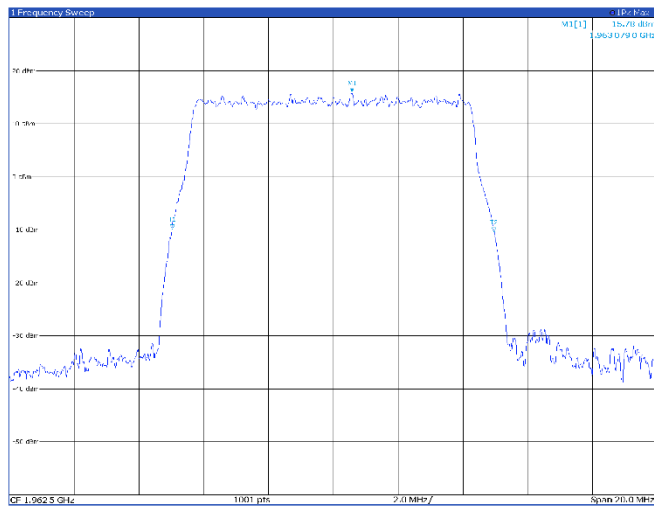
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.989 421 GHz	15.25 dBm	nB	20.0 dB
M2	1		1.989 421 GHz	-11.63 dBm	nB down BW	10.07 MHz
M3	1		1.989 421 GHz	-13.09 dBm	Q-factor	19.3

TM3p1, 10 MHz, low channel



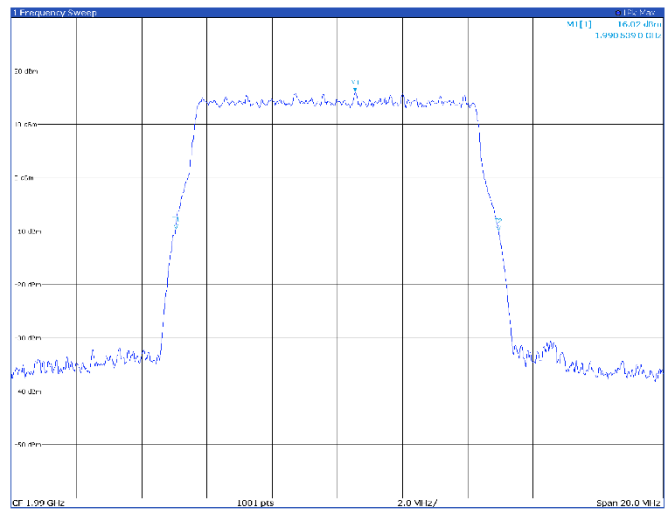
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.938 876 GHz	14.11 dBm	nB	20.0 dB
M2	1		1.938 876 GHz	-11.75 dBm	nB down BW	9.91 MHz
M3	1		1.938 876 GHz	-11.77 dBm	Q-factor	19.4

TM3p1, 10 MHz, mid channel



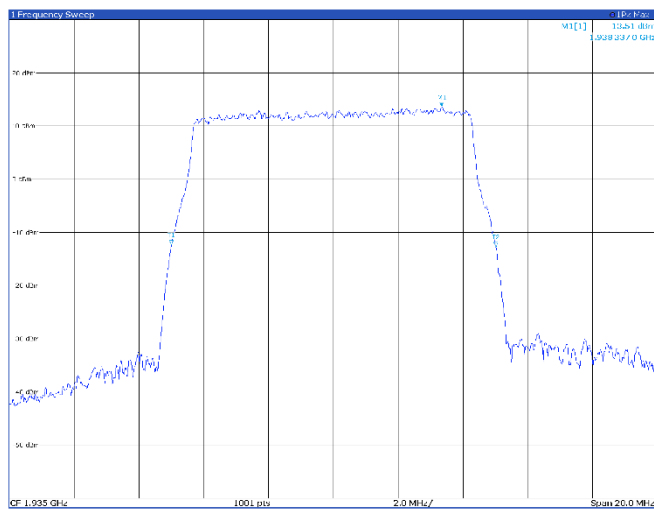
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.963079 GHz	15.78 dBm	nB	20.0 dB
M1	1	1	1.963079 GHz	-0.67 dBm	mB down BW	9.93 MHz
M2	1	1	1.963079 GHz	0.87 dBm	C-factor	12.0

TM3p1, 10 MHz, high channel



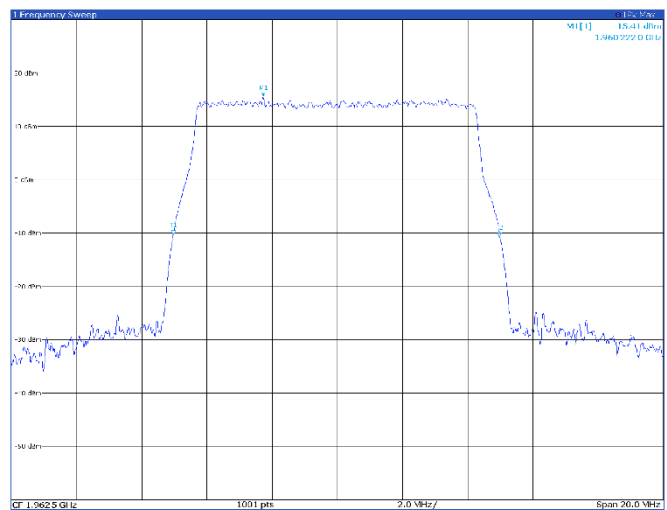
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.990539 GHz	16.02 dBm	nB	20.0 dB
M1	1	1	1.990539 GHz	-0.52 dBm	mB down BW	9.89 MHz
M2	1	1	1.990539 GHz	-0.08 dBm	C-factor	20.0

TM3p1a, 10 MHz, low channel



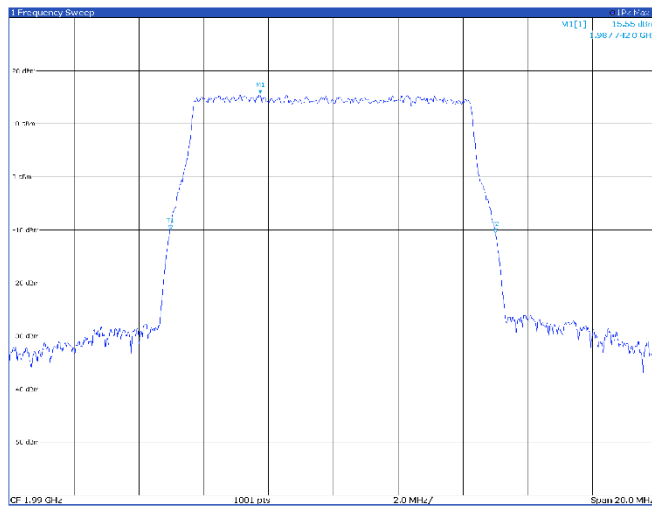
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.938537 GHz	13.51 dBm	nB	20.0 dB
M1	1	1	1.938537 GHz	-12.34 dBm	mB down BW	10.01 MHz
M2	1	1	1.938537 GHz	0.22 dBm	C-factor	10.0

TM3p1a, 10 MHz, mid channel



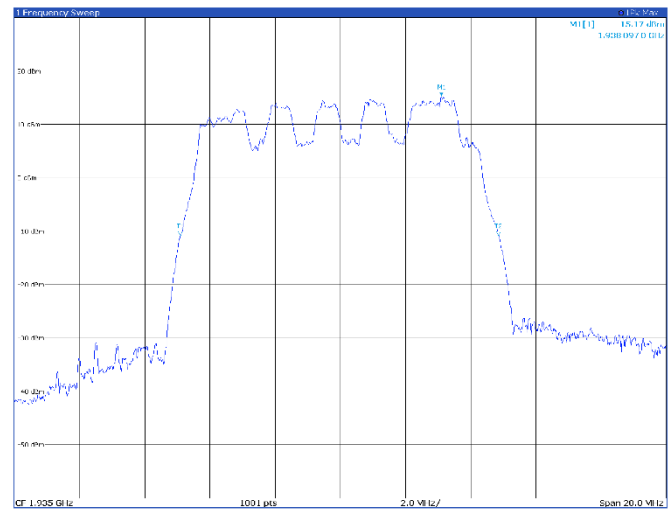
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.960222 GHz	15.41 dBm	nB	20.0 dB
M1	1	1	1.960222 GHz	-10.25 dBm	mB down BW	10.01 MHz
M2	1	1	1.960222 GHz	-10.04 dBm	C-factor	10.0

TM3p1a, 10 MHz, high channel



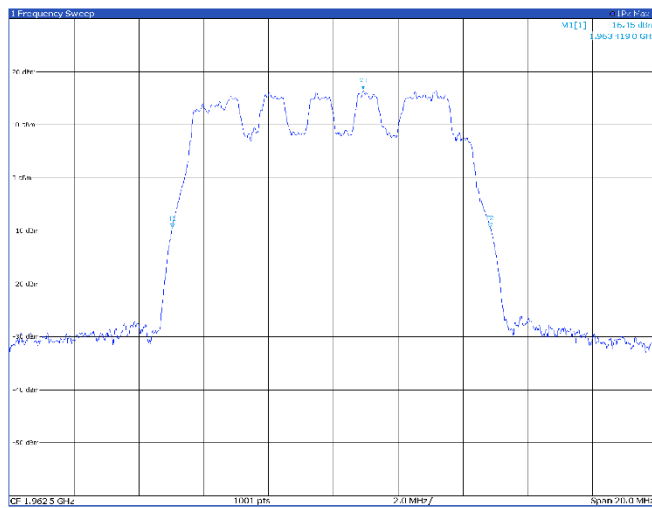
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.987 742 GHz	15.55 dBm	nB	20.0 dB
M1	1	1	1.994 015 GHz	-10.02 dBm	nB down BW	10.03 MHz
M2	1	1	1.994 015 GHz	-10.02 dBm	C Value	120.3

TM3p3, 10 MHz, low channel



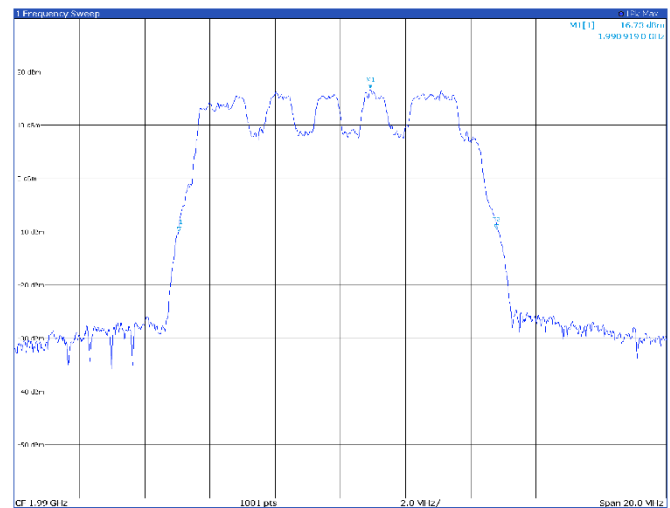
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.938 097 GHz	15.17 dBm	nB	20.0 dB
M1	1	1	1.938 097 GHz	-10.02 dBm	nB down BW	9.77 MHz
M2	1	1	1.938 097 GHz	-10.02 dBm	C Value	120.3

TM3p3, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.963 419 GHz	16.45 dBm	nB	20.0 dB
M1	1	1	1.997 525 GHz	-9.81 dBm	nB down BW	9.81 MHz
M2	1	1	1.997 525 GHz	-9.81 dBm	C Value	120.3

TM3p3, 10 MHz, high channel

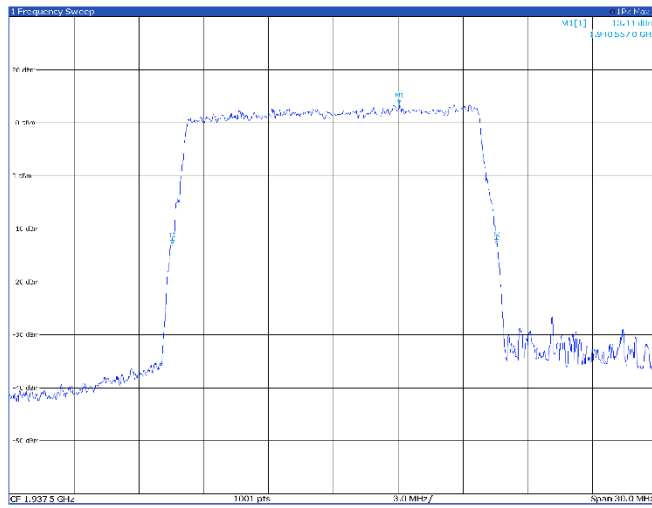


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.990 919 GHz	16.73 dBm	nB	20.0 dB
M1	1	1	1.990 919 GHz	-9.62 dBm	nB down BW	9.75 MHz
M2	1	1	1.990 919 GHz	-9.62 dBm	C Value	120.3

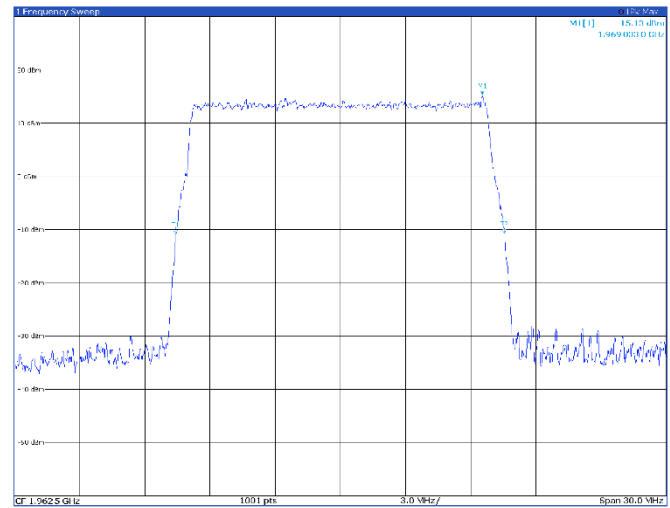
Band n25

15 MHz

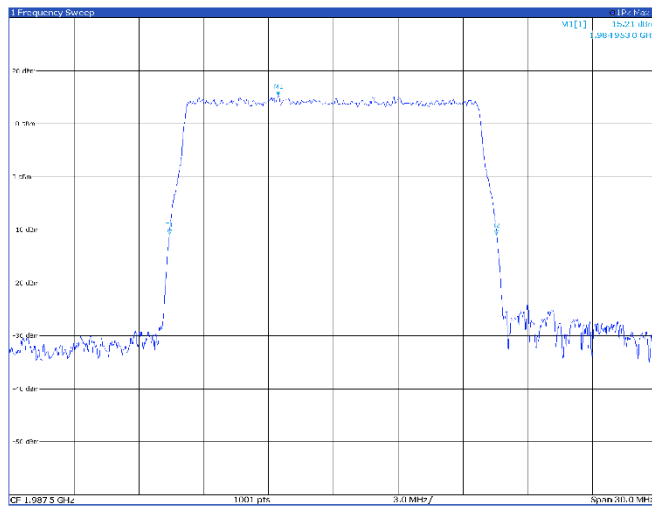
TM1.1, 15 MHz, low channel



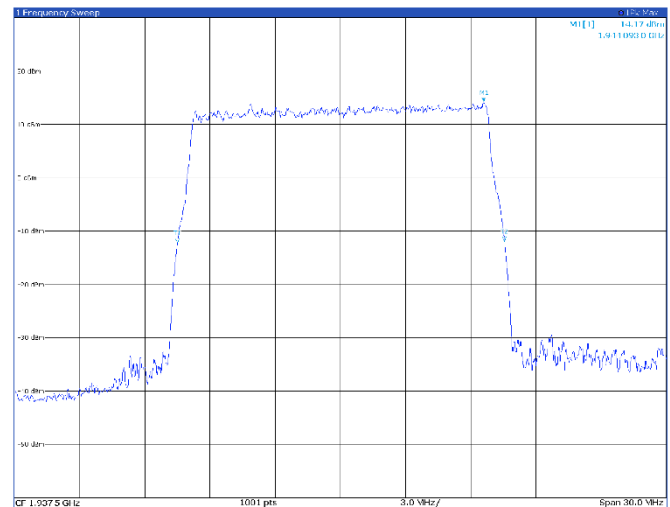
TM1.1, 15 MHz, mid channel



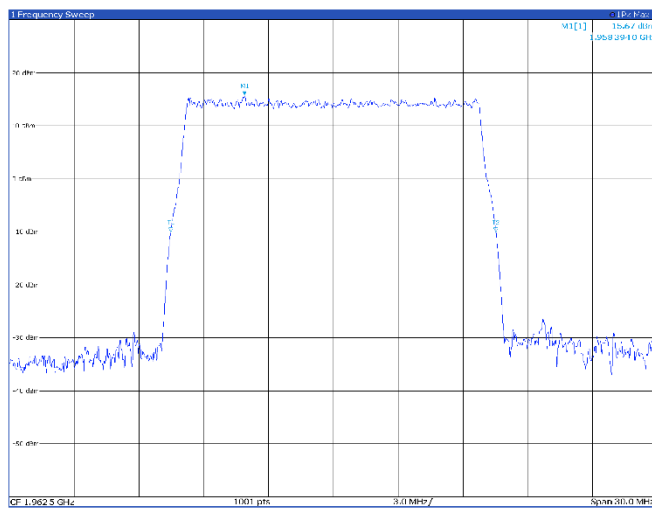
TM1.1, 15 MHz, high channel



TM3p1, 15 MHz, low channel

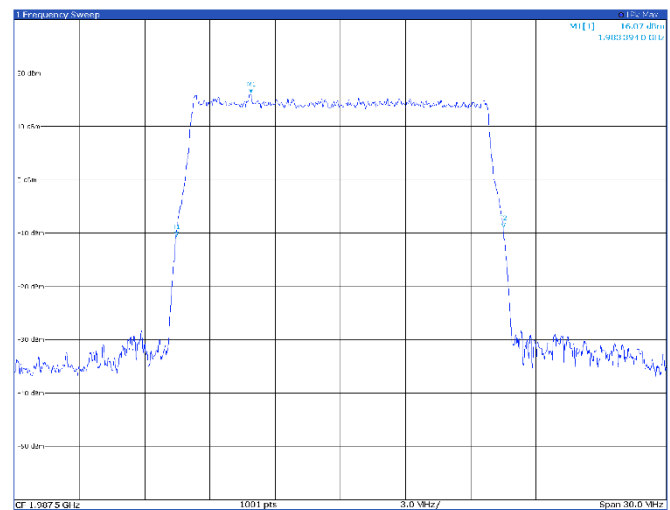


TM3p1, 15 MHz, mid channel



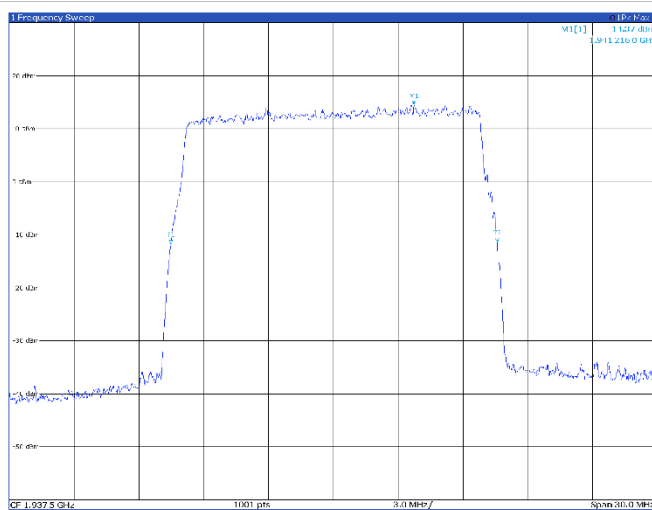
Type	Ref	Trc	X Value	Y Value	Function	Function Result
F1	1	1	1.958394 GHz	15.67 dBm	nB	20.0 dB
F1	1	1	1.958394 GHz	-10.02 dBm	nB down BW	15.04 MHz
F2	1	1	1.965394 GHz	-10.02 dBm	nB down BW	15.04 MHz

TM3p1, 15 MHz, high channel



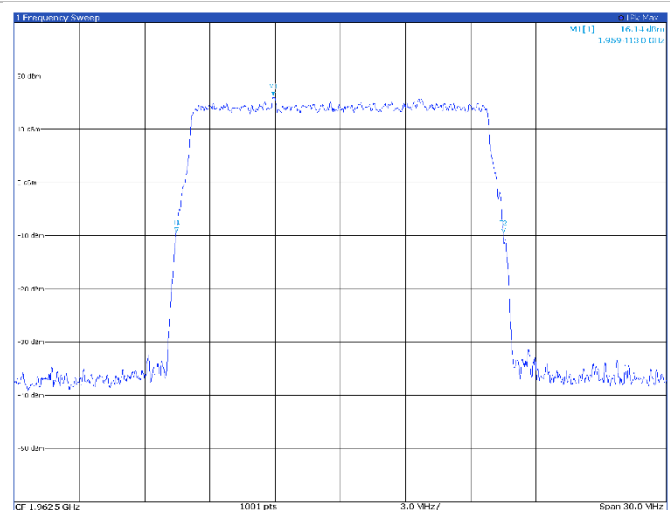
Type	Ref	Trc	X Value	Y Value	Function	Function Result
F1	1	1	1.963394 GHz	16.07 dBm	nB	20.0 dB
F1	1	1	1.963394 GHz	-10.02 dBm	nB down BW	15.04 MHz
F2	1	1	1.969394 GHz	-10.02 dBm	nB down BW	15.04 MHz

TM3p1a, 15 MHz, low channel



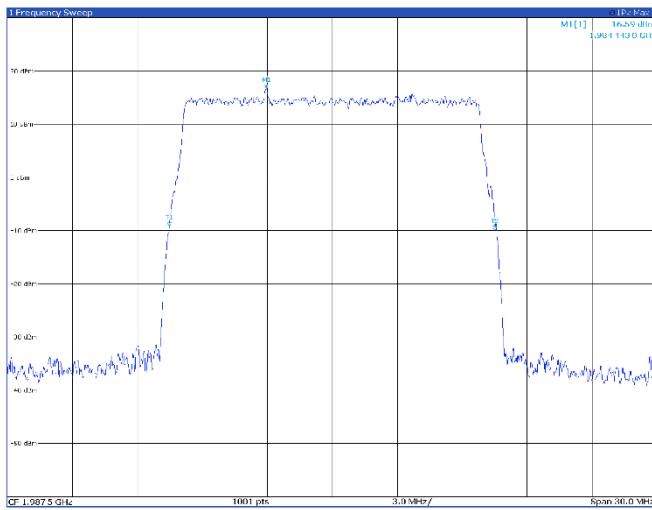
Type	Ref	Trc	X Value	Y Value	Function	Function Result
F1	1	1	1.941216 GHz	14.37 dBm	nB	20.0 dB
F1	1	1	1.941216 GHz	-10.02 dBm	nB down BW	15.11 MHz
F2	1	1	1.941216 GHz	-10.02 dBm	nB down BW	15.11 MHz

TM3p1a, 15 MHz, mid channel

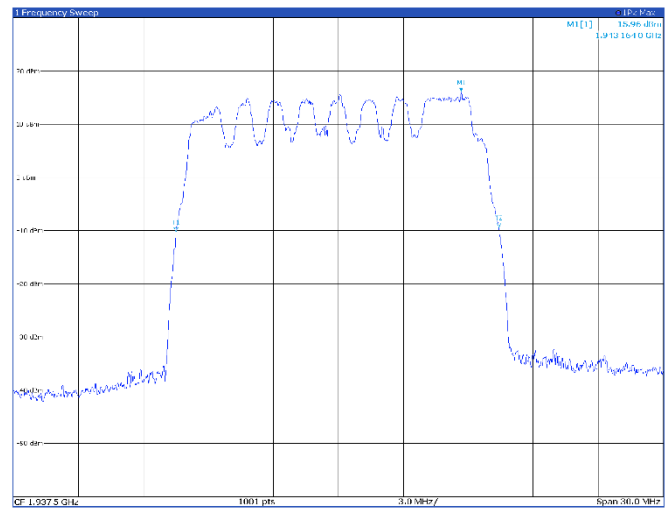


Type	Ref	Trc	X Value	Y Value	Function	Function Result
F1	1	1	1.959413 GHz	16.14 dBm	nB	20.0 dB
F1	1	1	1.959413 GHz	-10.02 dBm	nB down BW	15.04 MHz
F2	1	1	1.969413 GHz	-10.02 dBm	nB down BW	15.04 MHz

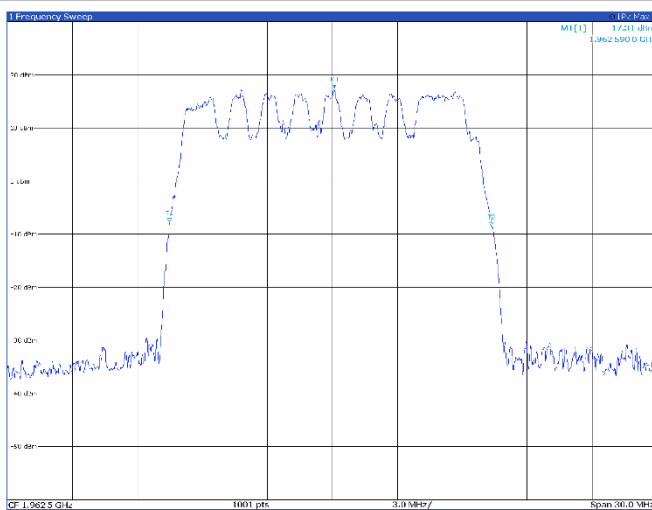
TM3p1a, 15 MHz, high channel



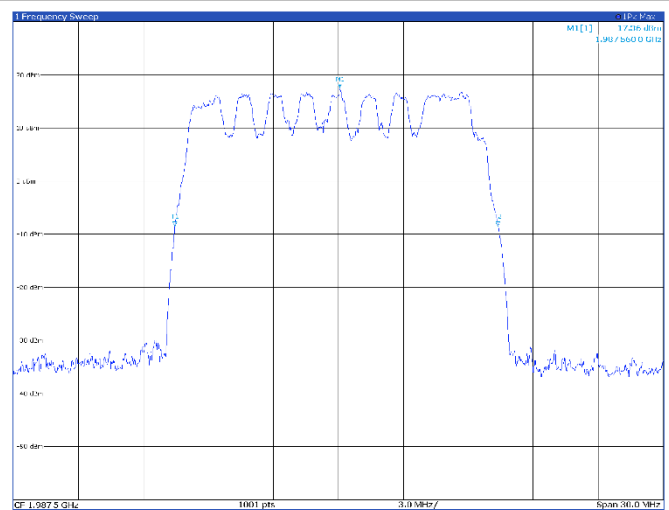
TM3p3, 15 MHz, low channel



TM3p3, 15 MHz, mid channel



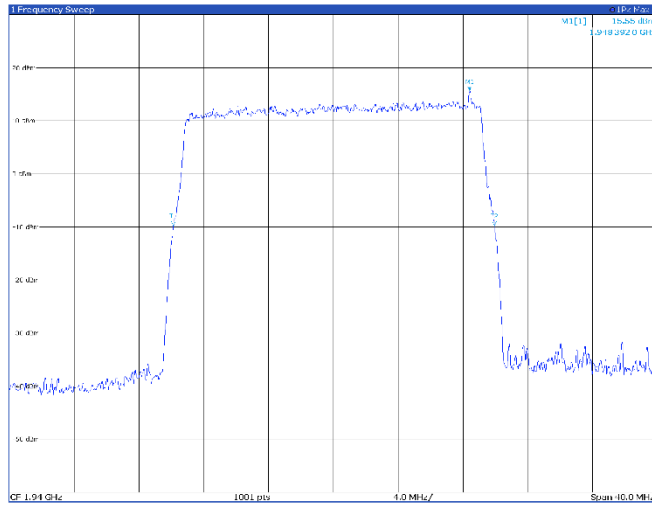
TM3p3, 15 MHz, high channel



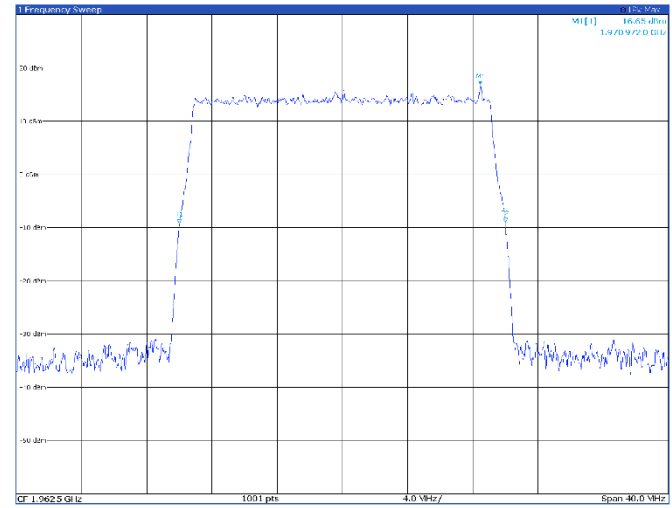
Band n25

20 MHz

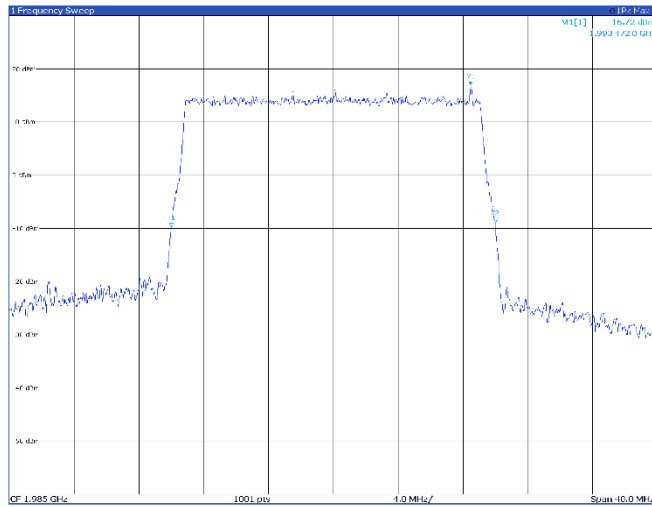
TM1.1, 20 MHz, low channel



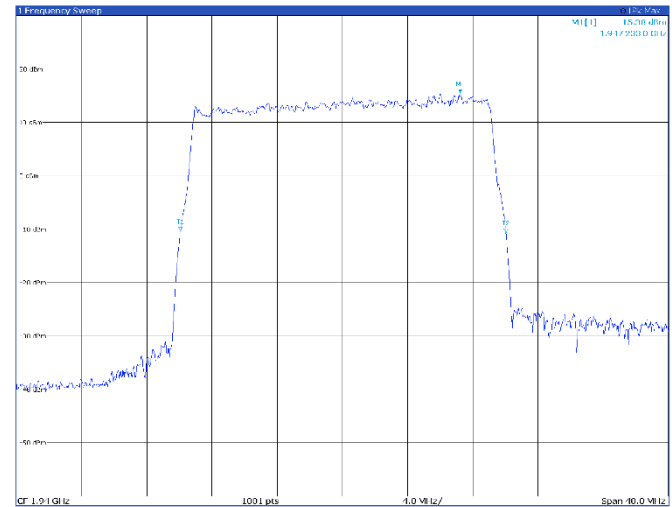
TM1.1, 20 MHz, mid channel



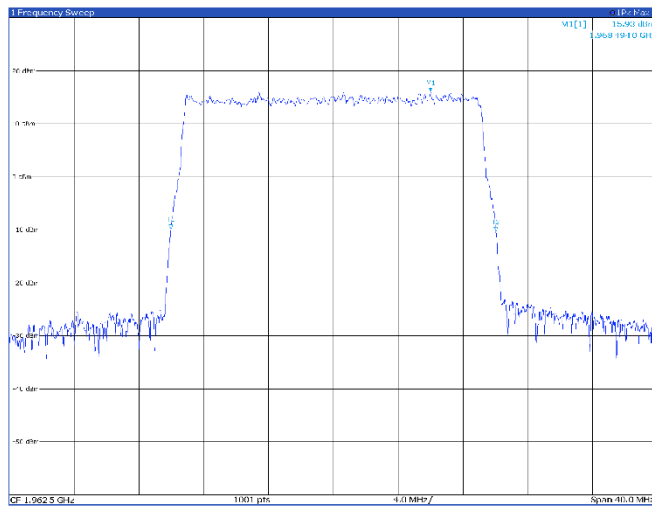
TM1.1, 20 MHz, high channel



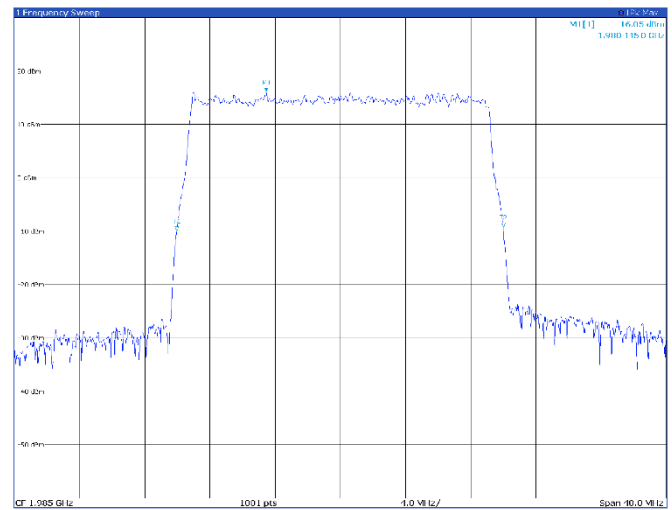
TM3p1, 20 MHz, low channel



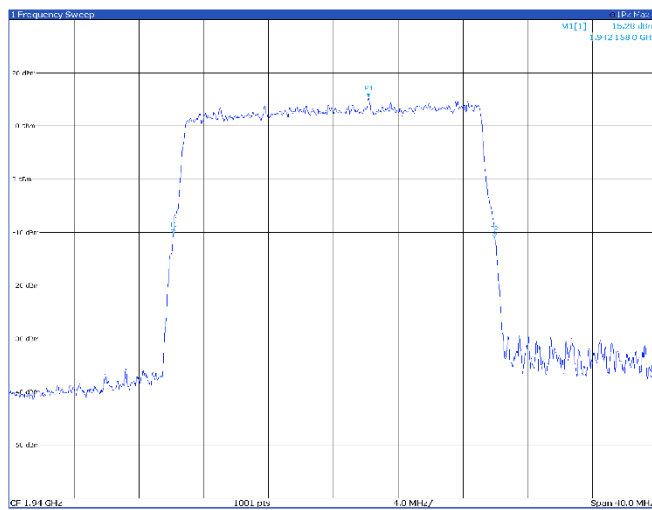
TM3p1, 20 MHz, mid channel



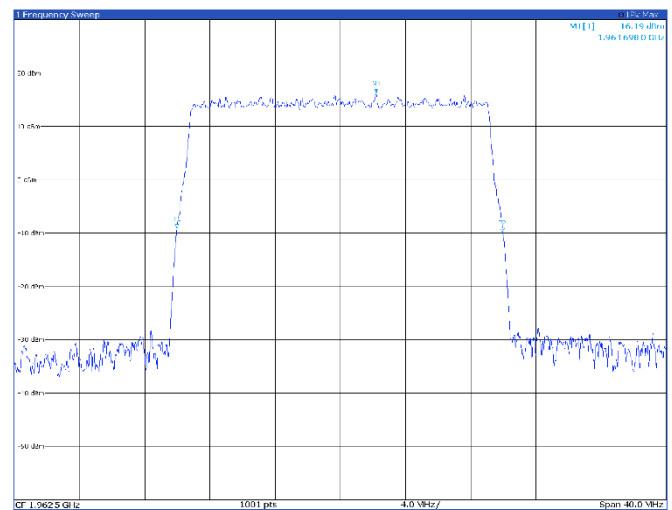
TM3p1, 20 MHz, high channel



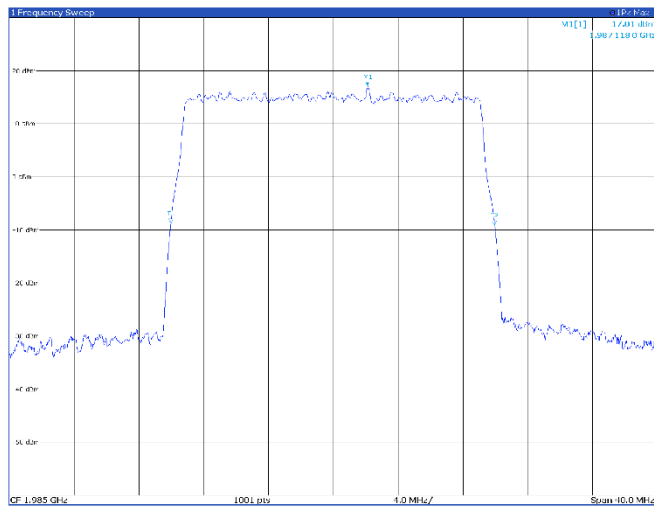
TM3p1a, 20 MHz, low channel



TM3p1a, 20 MHz, mid channel

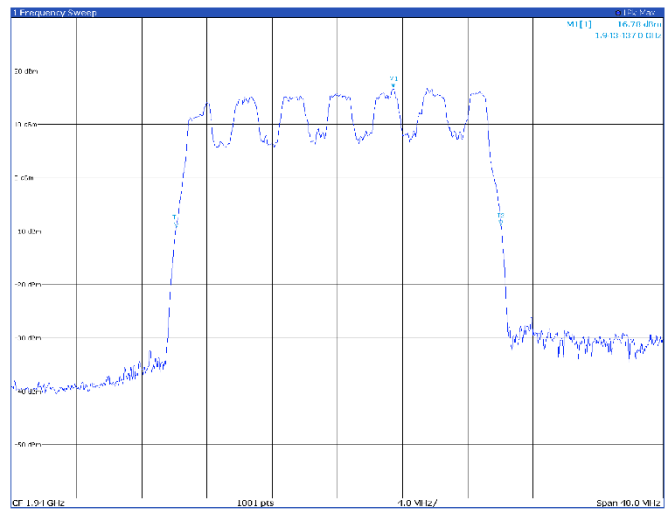


TM3p1a, 20 MHz, high channel



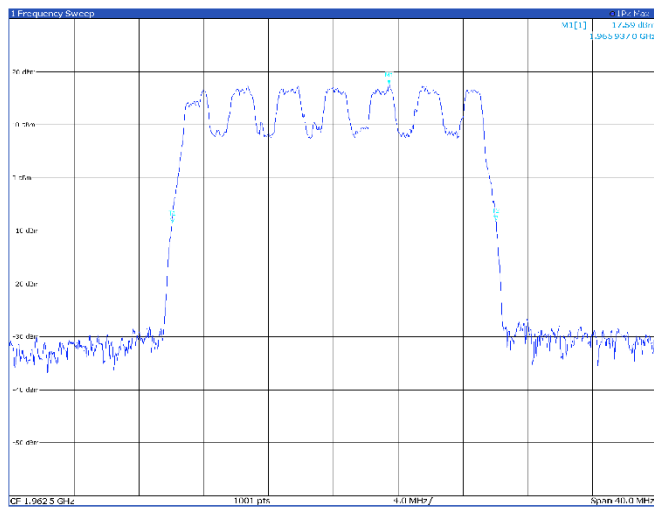
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.987118 GHz	17.01 dBm	nB	20.0 dB
M2	1	1	1.992119 GHz	19.98 MHz	nB down BW	19.98 MHz
M3	1	1	1.992119 GHz	19.98 MHz	nB down BW	19.98 MHz

TM3p3, 20 MHz, low channel



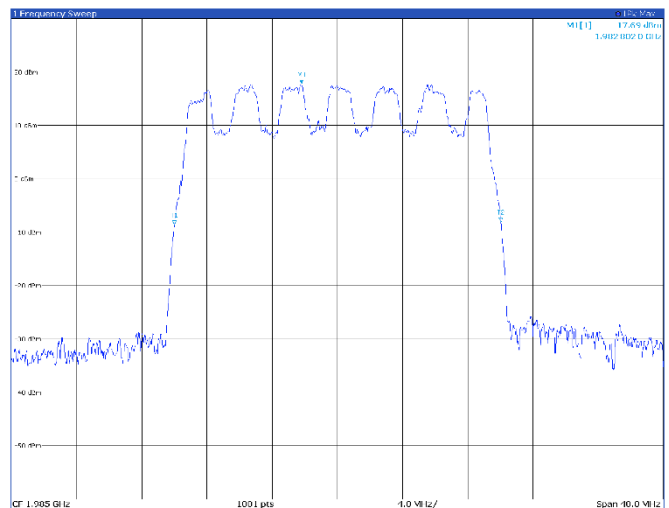
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.943437 GHz	16.78 dBm	nB	20.0 dB
M2	1	1	1.92119 GHz	19.90 MHz	nB down BW	19.90 MHz
M3	1	1	1.92119 GHz	19.90 MHz	nB down BW	19.90 MHz

TM3p3, 20 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.985937 GHz	17.59 dBm	nB	20.0 dB
M2	1	1	1.992119 GHz	19.98 MHz	nB down BW	19.98 MHz
M3	1	1	1.992119 GHz	19.98 MHz	nB down BW	19.98 MHz

TM3p3, 20 MHz, high channel



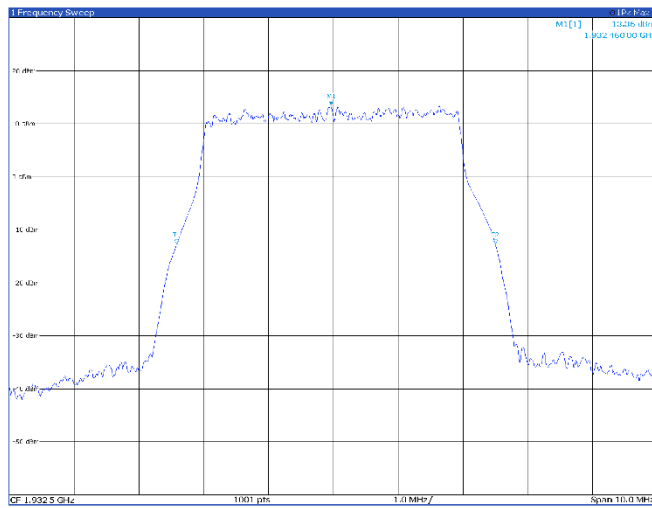
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1	1	1.982802 GHz	17.69 dBm	nB	20.0 dB
M2	1	1	1.992119 GHz	20.02 MHz	nB down BW	20.02 MHz
M3	1	1	1.992119 GHz	20.02 MHz	nB down BW	20.02 MHz

Antenna port 2

Band n25

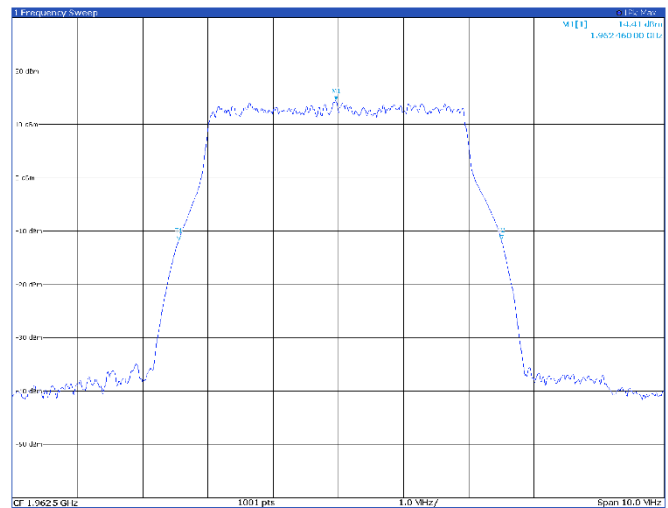
5 MHz

TM1.1, 5 MHz, low channel



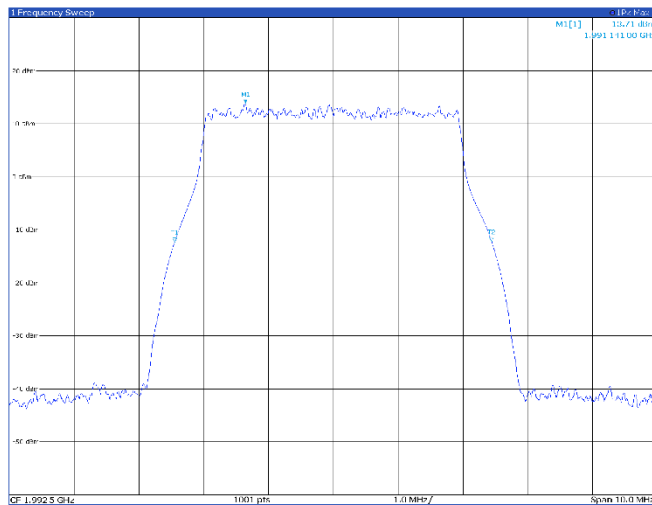
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.99246 GHz	13.36 dBm	nB	20.0 dB
M2	1		1.99246 GHz	-12.70 dBm	nB down BW	4.92 MHz
M3	1		1.99246 GHz	-12.70 dBm	Q factor	20.0

TM1.1, 5 MHz, mid channel



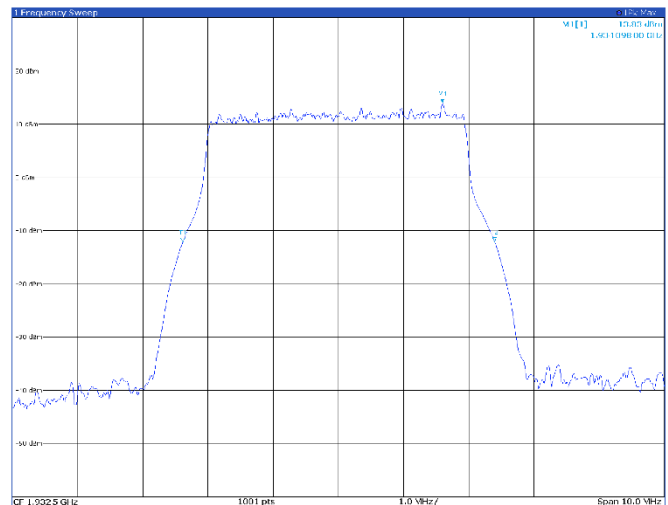
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.99246 GHz	14.41 dBm	nB	20.0 dB
M2	1		1.99246 GHz	-11.70 dBm	nB down BW	4.95 MHz
M3	1		1.99246 GHz	-11.70 dBm	Q factor	20.0

TM1.1, 5 MHz, high channel



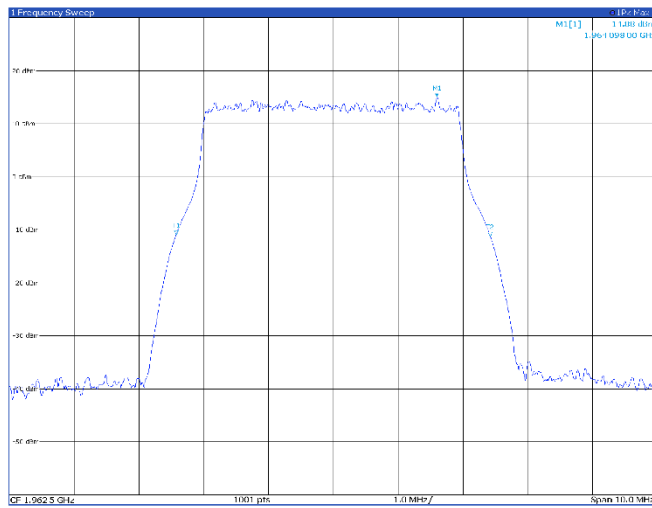
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.991141 GHz	13.71 dBm	nB	20.0 dB
M2	1		1.991141 GHz	-12.05 dBm	nB down BW	4.88 MHz
M3	1		1.991141 GHz	-12.05 dBm	Q factor	20.0

TM3p1, 5 MHz, low channel

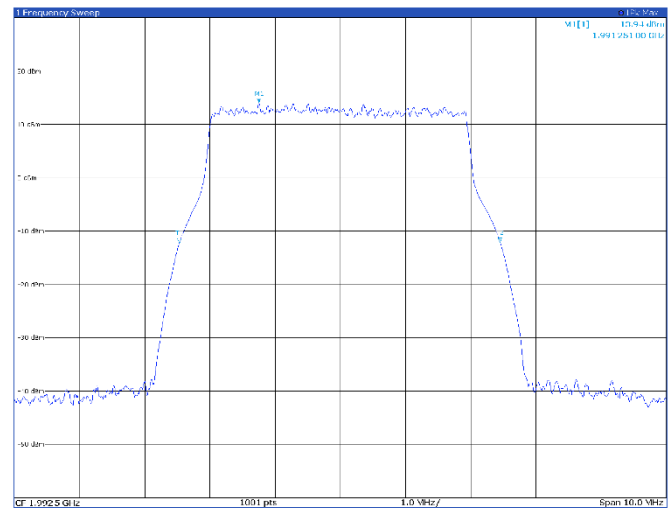


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		1.994098 GHz	13.83 dBm	nB	20.0 dB
M2	1		1.994098 GHz	-12.05 dBm	nB down BW	4.79 MHz
M3	1		1.994098 GHz	-12.05 dBm	Q factor	20.0

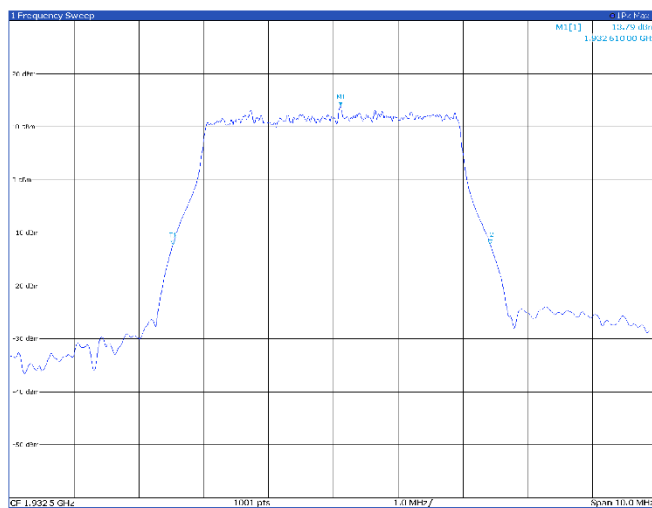
TM3p1, 5 MHz, mid channel



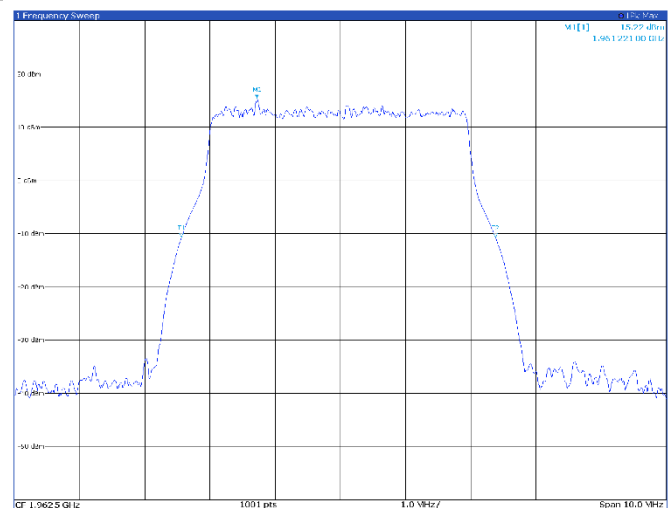
TM3p1, 5 MHz, high channel

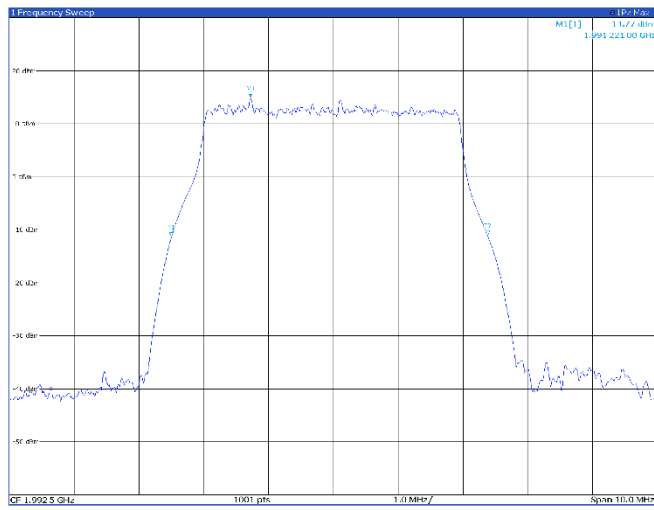


TM3p1a, 5 MHz, low channel

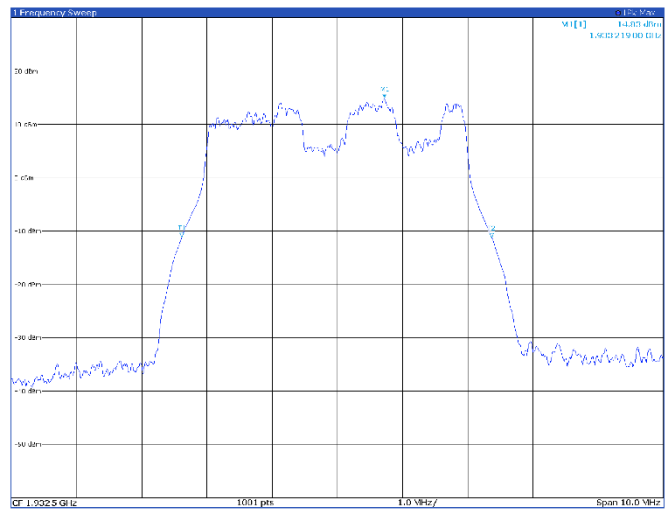


TM3p1a, 5 MHz, mid channel

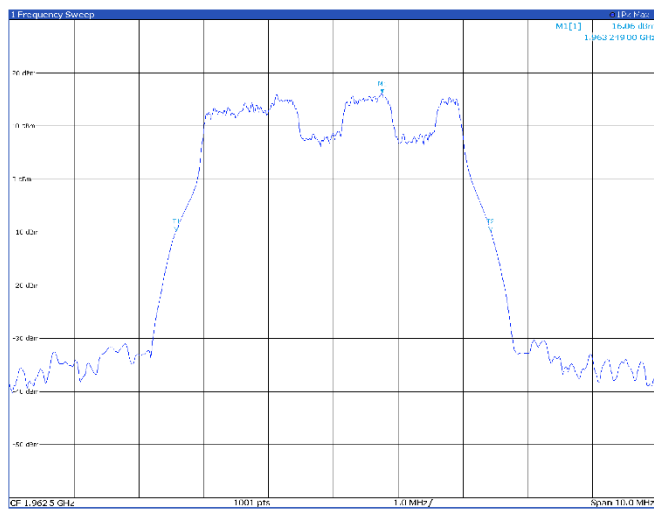


TM3p1a, 5 MHz, high channel


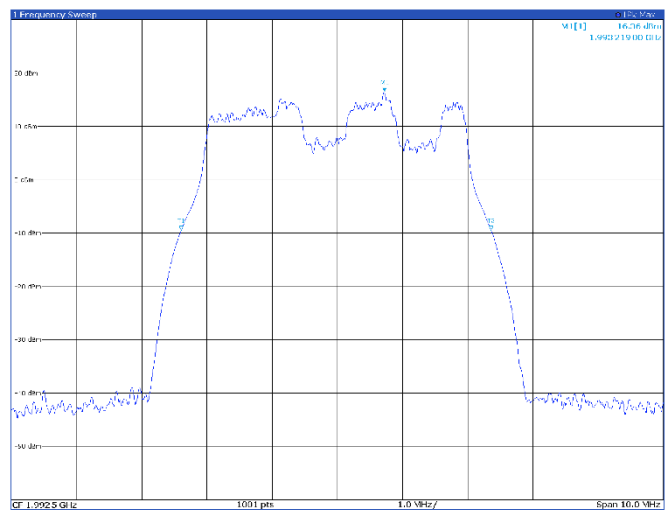
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1	1	1.991 221 GHz	14.77 dBm	nB	20.0 dB	4.88 MHz
M2	1	1	1.991 221 00 GHz	14.77 dBm	nB	20.0 dB	4.88 MHz

TM3p3, 5 MHz, low channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1	1	1.993 219 GHz	14.83 dBm	nB	20.0 dB	4.75 MHz
M2	1	1	1.993 219 00 GHz	14.83 dBm	nB	20.0 dB	4.75 MHz

TM3p3, 5 MHz, mid channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1	1	1.993 219 GHz	16.06 dBm	nB	20.0 dB	4.86 MHz
M2	1	1	1.993 219 00 GHz	16.06 dBm	nB	20.0 dB	4.86 MHz

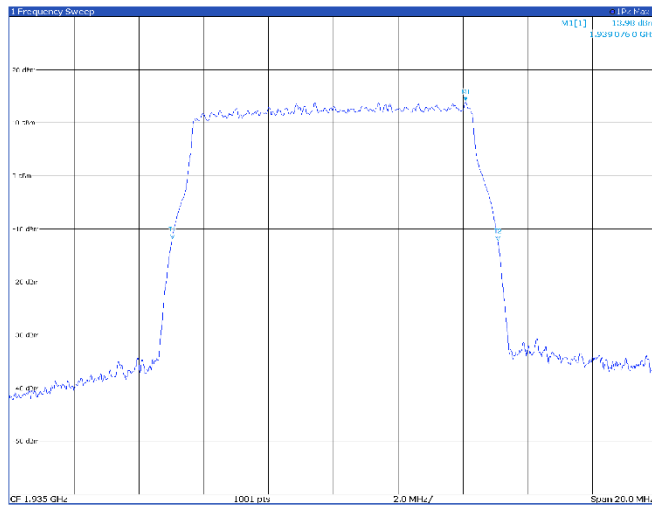
TM3p3, 5 MHz, high channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1	1	1.993 219 GHz	16.36 dBm	nB	20.0 dB	4.75 MHz
M2	1	1	1.993 219 00 GHz	16.36 dBm	nB	20.0 dB	4.75 MHz

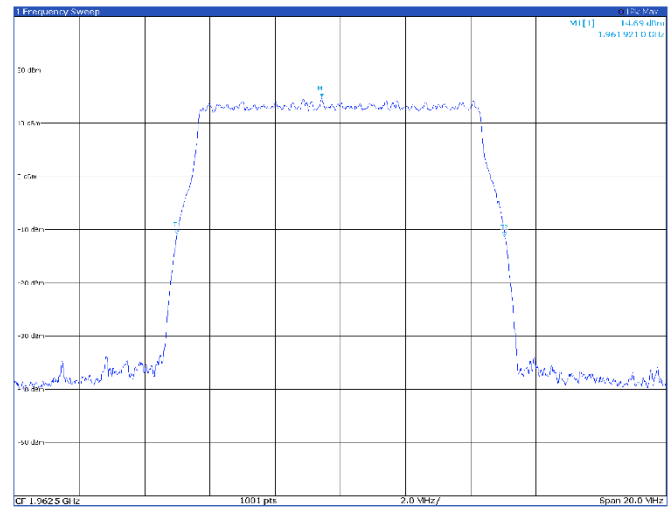
Band n25

10 MHz

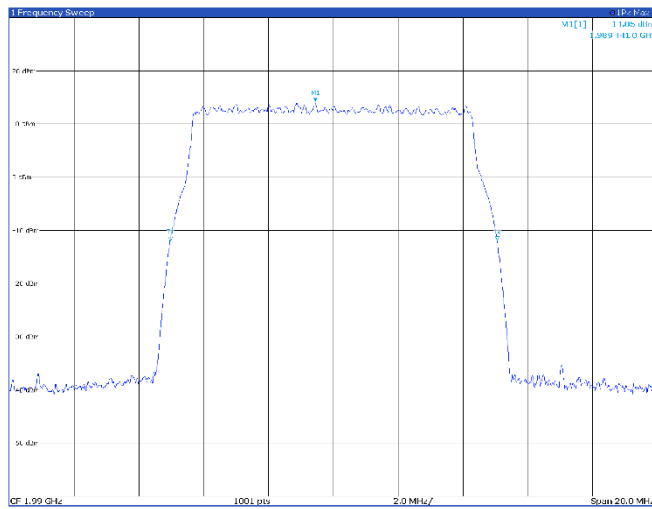
TM1.1, 10 MHz, low channel



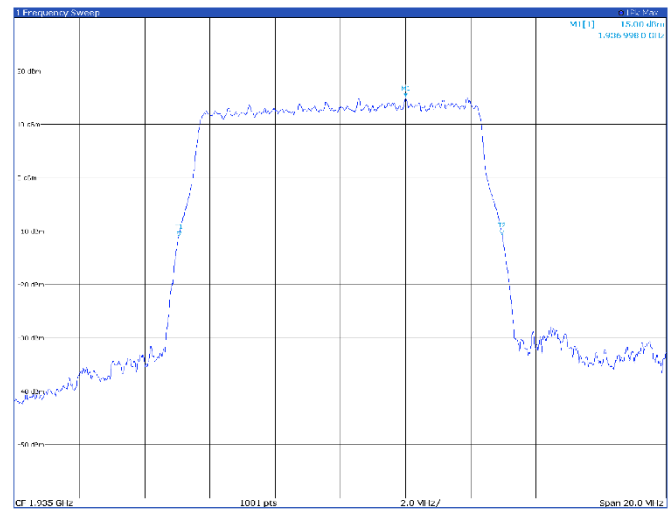
TM1.1, 10 MHz, mid channel



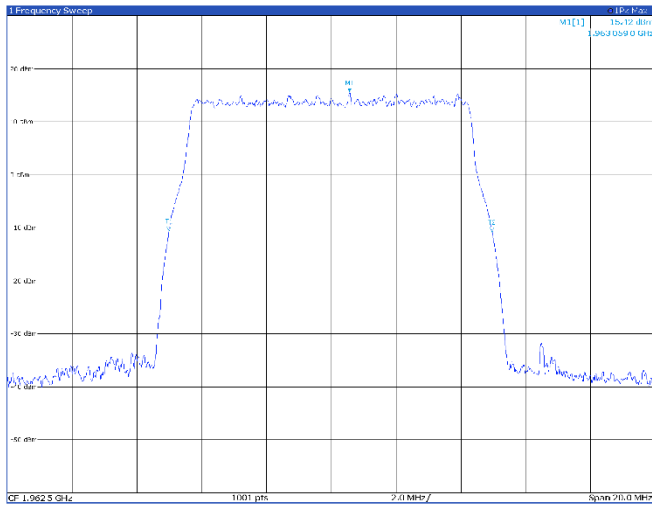
TM1.1, 10 MHz, high channel



TM3p1, 10 MHz, low channel

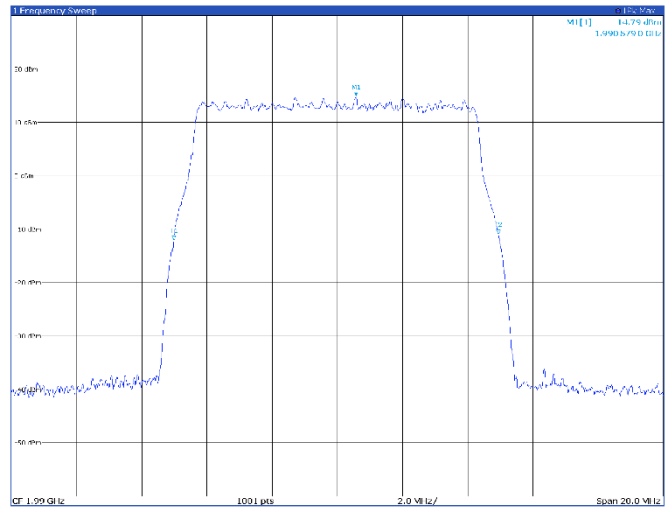


TM3p1, 10 MHz, mid channel



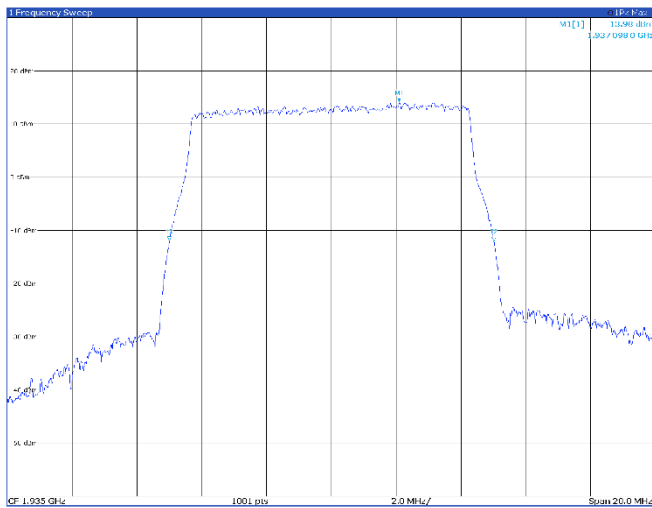
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.963059 GHz	15.42 dBm	nB	20.0 dB
P1	1	1	1.963059 GHz	-10.53 dBm	mB down BW	9.97 MHz
P2	1	1	1.963059 GHz	-10.53 dBm	Q-factor	14.5

TM3p1, 10 MHz, high channel



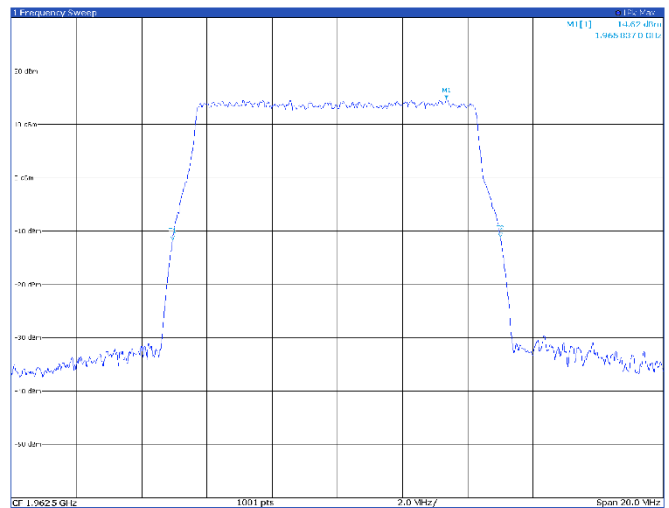
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.990579 GHz	14.79 dBm	nB	20.0 dB
P1	1	1	1.990579 GHz	-12.17 dBm	mB down BW	9.95 MHz
P2	1	1	1.990579 GHz	-12.17 dBm	Q-factor	20.1

TM3p1a, 10 MHz, low channel



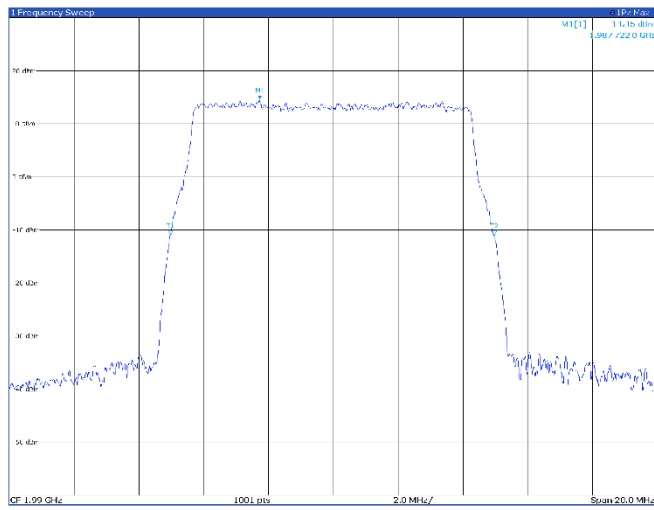
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.937098 GHz	13.95 dBm	nB	20.0 dB
P1	1	1	1.937098 GHz	-11.92 dBm	mB down BW	10.01 MHz
P2	1	1	1.937098 GHz	-11.92 dBm	Q-factor	14.5

TM3p1a, 10 MHz, mid channel

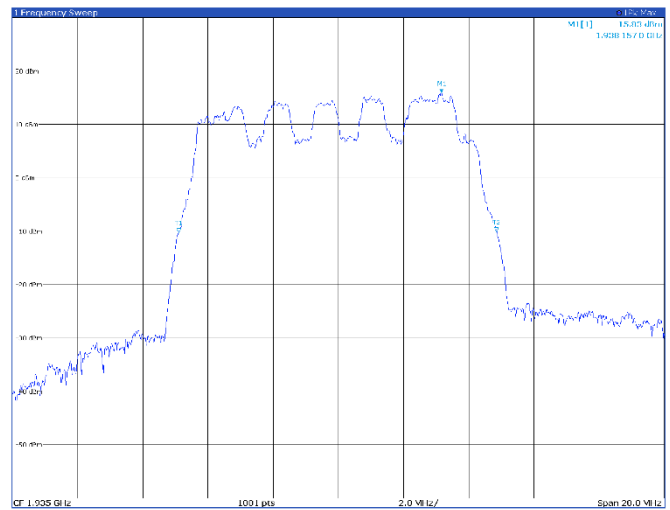


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1	1	1.965837 GHz	14.62 dBm	nB	20.0 dB
P1	1	1	1.965837 GHz	-11.75 dBm	mB down BW	10.05 MHz
P2	1	1	1.965837 GHz	-11.75 dBm	Q-factor	14.5

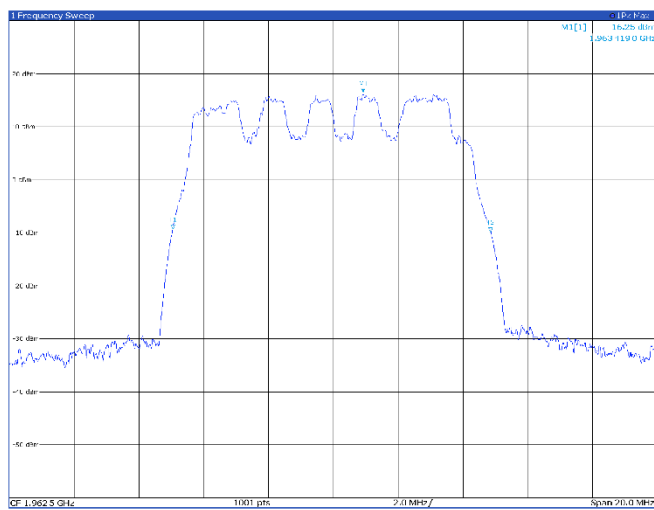
TM3p1a, 10 MHz, high channel



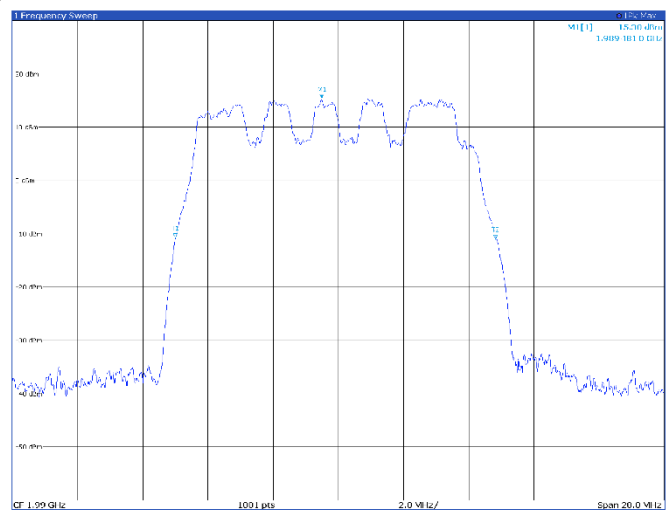
TM3p3, 10 MHz, low channel



TM3p3, 10 MHz, mid channel



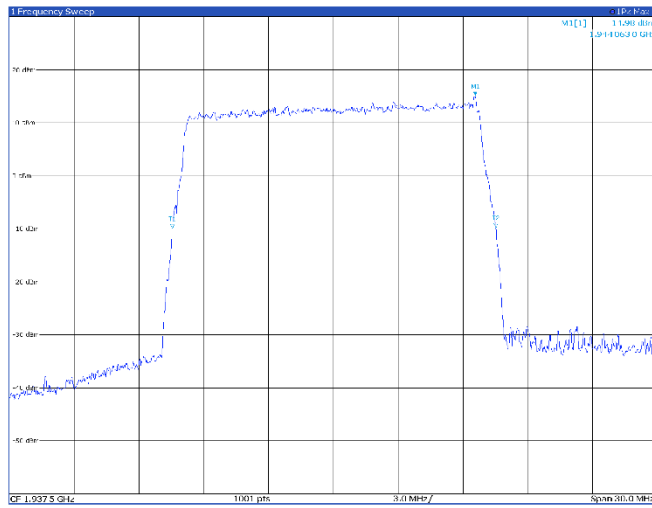
TM3p3, 10 MHz, high channel



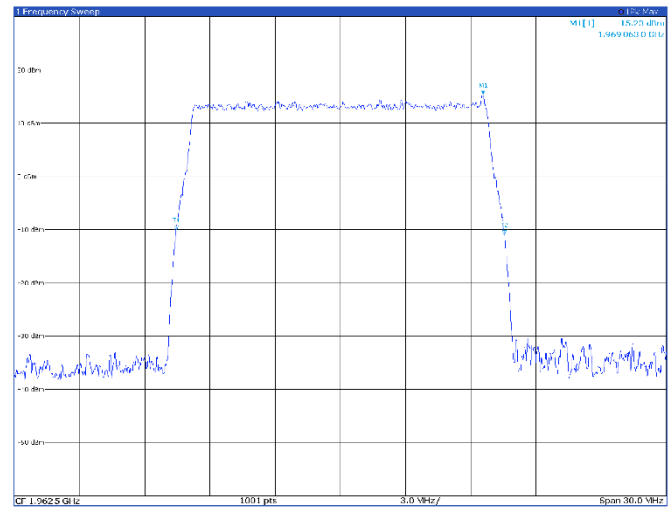
Band n25

15 MHz

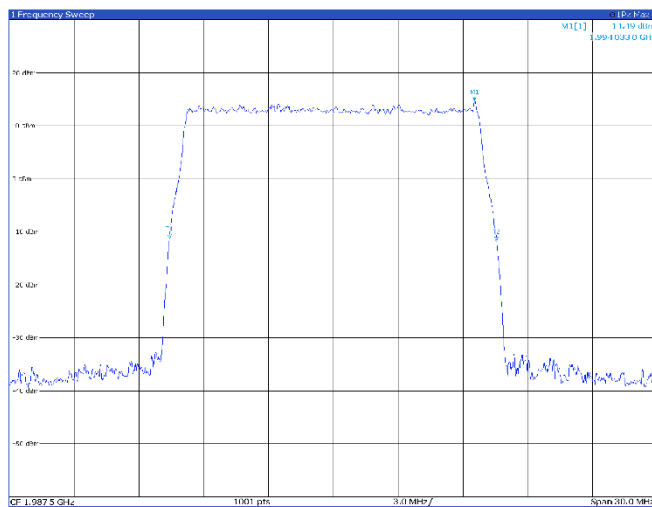
TM1.1, 15 MHz, low channel



TM1.1, 15 MHz, mid channel



TM1.1, 15 MHz, high channel



TM3p1, 15 MHz, low channel

