

RADIO TEST REPORT

REP063990

Date of issue: November 27, 2024

Applicant:

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

Product:

RPM-A61L1-41

Model:

7847594-02

Model variant:

None

FCC ID:

XS5-RPML2-N41

IC Registration number:

NA

Specifications:

◆ **FCC 47 CFR Part 27**

Miscellaneous Wireless Communications Services

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	P. Barbieri
Review date	November 27, 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 contain in this report are within Nemko Spa ISO/IEC 17025 accreditation.

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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
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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
REP063990	Original report issued

Section 2. Summary of test results

2.1 FCC Part 27 test results

Part	Test description	Verdict
§2.1033(c)(4)	Modulation type	Pass
§2.1049(h)	99% Occupied bandwidth	Pass
§27.53(h)(3)	Frequency ranges	Pass
§27.50(h)(2)	Output power at RF antenna connector	Pass
§27.50(d)(5)	Peak to average power ratio	Pass
§27.53(m)	Conducted spurious emissions	Pass
§27.53(m)	Radiated spurious emissions	Pass
§27.53(h)(3)	26 dB Occupied bandwidth	Pass
§27.54	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	PRJ00630770003

3.2 EUT information

Product name	RPM-A61L1-41
Model	7847594-02
Part Number	7847594-02
Serial number	SZRMAP24210073

3.3 Technical information

Frequency band	n41: 2496-2690 MHz
RF power Max (W), Conducted	max Port 1 = 23.8 dBm (0.24 W) – max Port 2 = 23.1 dBm (0.20 W); max comb. Port 1 + Port 2 = 26.4 dBm (0.43 W) @2521 MHz (with 50 MHz bandwidth)
Supported bandwidths:	40, 50, 60, 80, 90, 100 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	4.9 dBi

3.4 Product description and theory of operation

The radio unit (RU) is one of the components to configure the 5G 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

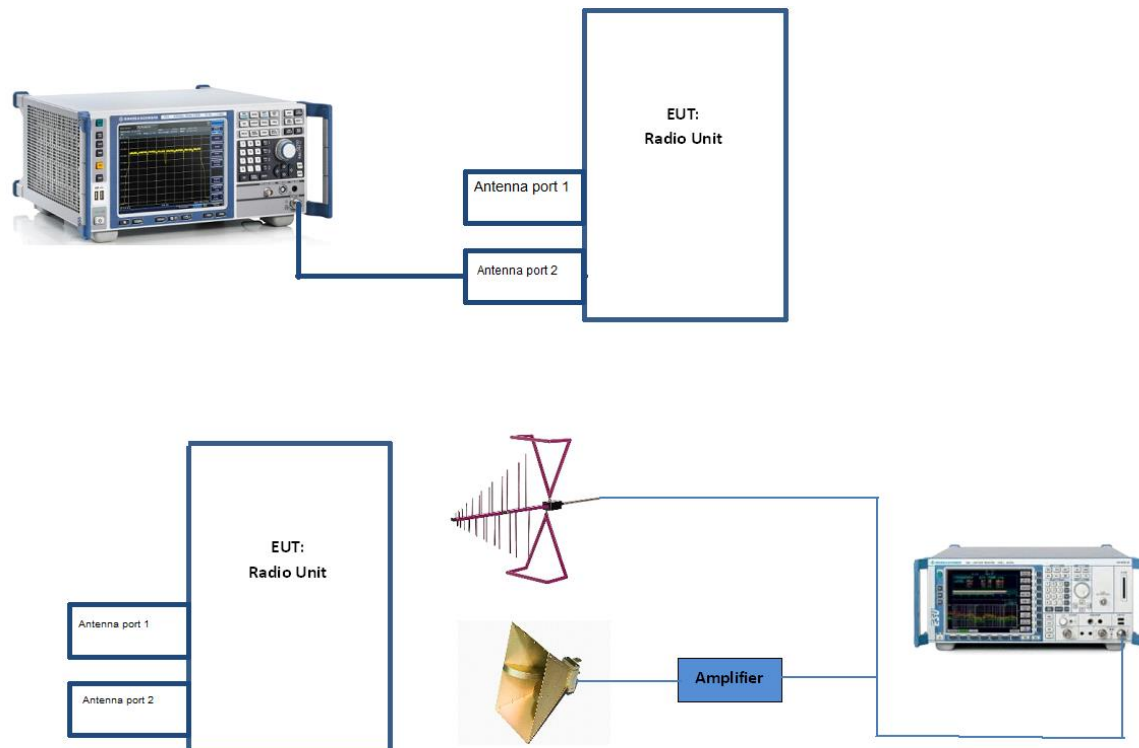


Figure 3.6-1: Setup diagram

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	2024-10	2025-10
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	October 15, 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 n41:

Bandwidth (MHz)	Emission type
40	TM1.1
40	TM3p1
40	TM3p1a
40	TM3p3
50	TM1.1
50	TM3p1
50	TM3p1a
50	TM3p3
60	TM1.1
60	TM3p1
60	TM3p1a
60	TM3p3
80	TM1.1
80	TM3p1
80	TM3p1a
80	TM3p3
90	TM1.1
90	TM3p1
90	TM3p1a
90	TM3p3
100	TM1.1
100	TM3p1
100	TM3p1a
100	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	October 16, 2024	Temperature	22 °C
Test end date	November 27, 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 n41: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM1.1	2516.0	37.91
n41	40 MHz	TM1.1	2593.0	37.94
n41	40 MHz	TM1.1	2670.0	37.93

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM3p1	2516.0	37.94
n41	40 MHz	TM3p1	2593.0	37.95
n41	40 MHz	TM3p1	2670.0	37.95

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM3p1a	2516.0	37.90
n41	40 MHz	TM3p1a	2593.0	37.93
n41	40 MHz	TM3p1a	2670.0	37.91

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM3p3	2516.0	38.02
n41	40 MHz	TM3p3	2593.0	38.05
n41	40 MHz	TM3p3	2670.0	38.05

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM1.1	2521.0	47.53
n41	50 MHz	TM1.1	2593.0	47.56
n41	50 MHz	TM1.1	2665.0	47.57

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM3p1	2521.0	47.51
n41	50 MHz	TM3p1	2593.0	47.58
n41	50 MHz	TM3p1	2665.0	47.59

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM3p1a	2521.0	47.60
n41	50 MHz	TM3p1a	2593.0	47.60
n41	50 MHz	TM3p1a	2665.0	47.61

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM3p3	2521.0	47.76
n41	50 MHz	TM3p3	2593.0	47.79
n41	50 MHz	TM3p3	2665.0	47.76

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM1.1	2526.0	58.00
n41	60 MHz	TM1.1	2593.0	58.12
n41	60 MHz	TM1.1	2660.0	58.12

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM3p1	2526.0	58.03
n41	60 MHz	TM3p1	2593.0	58.09
n41	60 MHz	TM3p1	2660.0	58.11

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM3p1a	2526.0	57.91
n41	60 MHz	TM3p1a	2593.0	57.99
n41	60 MHz	TM3p1a	2660.0	58.00

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM3p3	2526.0	58.12
n41	60 MHz	TM3p3	2593.0	58.22
n41	60 MHz	TM3p3	2660.0	58.18

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM1.1	2536.0	77.68
n41	80 MHz	TM1.1	2593.0	77.77
n41	80 MHz	TM1.1	2650.0	77.75

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM3p1	2536.0	77.58
n41	80 MHz	TM3p1	2593.0	77.65
n41	80 MHz	TM3p1	2650.0	77.67

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM3p1a	2536.0	77.42
n41	80 MHz	TM3p1a	2593.0	77.49
n41	80 MHz	TM3p1a	2650.0	77.52

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM3p3	2536.0	77.83
n41	80 MHz	TM3p3	2593.0	77.92
n41	80 MHz	TM3p3	2650.0	77.91

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM1.1	2541.0	87.47
n41	90 MHz	TM1.1	2593.0	87.57
n41	90 MHz	TM1.1	2645.0	87.55

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM3p1	2541.0	87.55
n41	90 MHz	TM3p1	2593.0	87.63
n41	90 MHz	TM3p1	2645.0	87.64

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM3p1a	2541.0	87.38
n41	90 MHz	TM3p1a	2593.0	87.48
n41	90 MHz	TM3p1a	2645.0	87.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM3p3	2541.0	87.74
n41	90 MHz	TM3p3	2593.0	87.85
n41	90 MHz	TM3p3	2645.0	87.87

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM1.1	2546.0	97.51
n41	100 MHz	TM1.1	2593.0	97.60
n41	100 MHz	TM1.1	2640.0	97.60

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM3p1	2546.0	97.39
n41	100 MHz	TM3p1	2593.0	97.49
n41	100 MHz	TM3p1	2640.0	97.50

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM3p1a	2546.0	97.49
n41	100 MHz	TM3p1a	2593.0	97.62
n41	100 MHz	TM3p1a	2640.0	97.58

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM3p3	2546.0	97.46
n41	100 MHz	TM3p3	2593.0	97.59
n41	100 MHz	TM3p3	2640.0	97.57

Band n41: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM1.1	2516.0	37.89
n41	40 MHz	TM1.1	2593.0	37.94
n41	40 MHz	TM1.1	2670.0	37.92
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM3p1	2516.0	37.92
n41	40 MHz	TM3p1	2593.0	37.95
n41	40 MHz	TM3p1	2670.0	37.94
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM3p1a	2516.0	37.88
n41	40 MHz	TM3p1a	2593.0	37.93
n41	40 MHz	TM3p1a	2670.0	37.93
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	40 MHz	TM3p3	2516.0	37.98
n41	40 MHz	TM3p3	2593.0	38.05
n41	40 MHz	TM3p3	2670.0	38.03
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM1.1	2521.0	47.51
n41	50 MHz	TM1.1	2593.0	47.56
n41	50 MHz	TM1.1	2665.0	47.60
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM3p1	2521.0	47.55
n41	50 MHz	TM3p1	2593.0	47.61
n41	50 MHz	TM3p1	2665.0	47.59
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM3p1a	2521.0	47.58
n41	50 MHz	TM3p1a	2593.0	47.63
n41	50 MHz	TM3p1a	2665.0	47.60
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	50 MHz	TM3p3	2521.0	47.74
n41	50 MHz	TM3p3	2593.0	47.81
n41	50 MHz	TM3p3	2665.0	47.75

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM1.1	2526.0	58.02
n41	60 MHz	TM1.1	2593.0	58.11
n41	60 MHz	TM1.1	2660.0	58.12

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM3p1	2526.0	58.03
n41	60 MHz	TM3p1	2593.0	58.11
n41	60 MHz	TM3p1	2660.0	58.10

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM3p1a	2526.0	57.92
n41	60 MHz	TM3p1a	2593.0	58.01
n41	60 MHz	TM3p1a	2660.0	57.97

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	60 MHz	TM3p3	2526.0	58.12
n41	60 MHz	TM3p3	2593.0	58.25
n41	60 MHz	TM3p3	2660.0	58.20

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM1.1	2536.0	77.65
n41	80 MHz	TM1.1	2593.0	77.74
n41	80 MHz	TM1.1	2650.0	77.77

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM3p1	2536.0	77.55
n41	80 MHz	TM3p1	2593.0	77.63
n41	80 MHz	TM3p1	2650.0	77.68

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM3p1a	2536.0	77.40
n41	80 MHz	TM3p1a	2593.0	77.48
n41	80 MHz	TM3p1a	2650.0	77.52

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	80 MHz	TM3p3	2536.0	77.84
n41	80 MHz	TM3p3	2593.0	77.89
n41	80 MHz	TM3p3	2650.0	77.92

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM1.1	2541.0	87.44
n41	90 MHz	TM1.1	2593.0	87.60
n41	90 MHz	TM1.1	2645.0	87.61

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM3p1	2541.0	87.54
n41	90 MHz	TM3p1	2593.0	87.57
n41	90 MHz	TM3p1	2645.0	87.70

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM3p1a	2541.0	87.36
n41	90 MHz	TM3p1a	2593.0	87.47
n41	90 MHz	TM3p1a	2645.0	87.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	90 MHz	TM3p3	2541.0	87.72
n41	90 MHz	TM3p3	2593.0	87.80
n41	90 MHz	TM3p3	2645.0	87.87

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM1.1	2546.0	97.49
n41	100 MHz	TM1.1	2593.0	97.58
n41	100 MHz	TM1.1	2640.0	97.60

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM3p1	2546.0	97.38
n41	100 MHz	TM3p1	2593.0	97.46
n41	100 MHz	TM3p1	2640.0	97.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM3p1a	2546.0	97.50
n41	100 MHz	TM3p1a	2593.0	97.57
n41	100 MHz	TM3p1a	2640.0	97.58

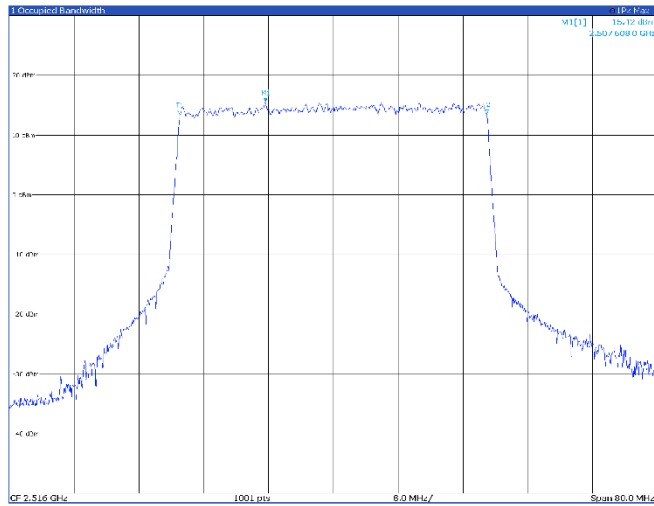
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n41	100 MHz	TM3p3	2546.0	97.46
n41	100 MHz	TM3p3	2593.0	97.60
n41	100 MHz	TM3p3	2640.0	97.58

Antenna port 1

Band n41

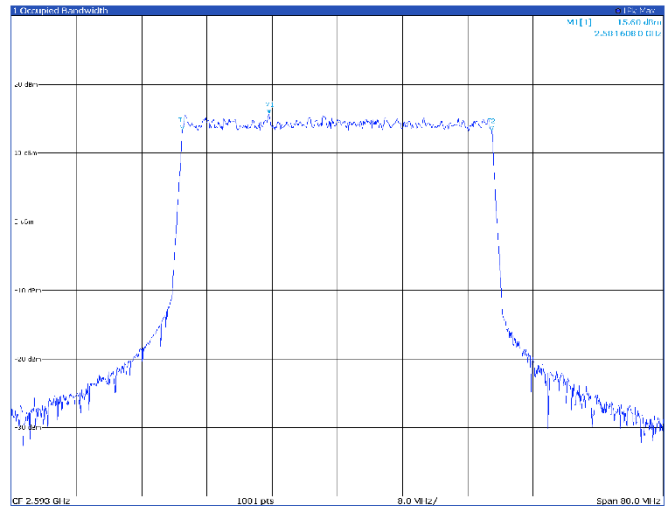
40 MHz

TM1.1, 40 MHz, low channel



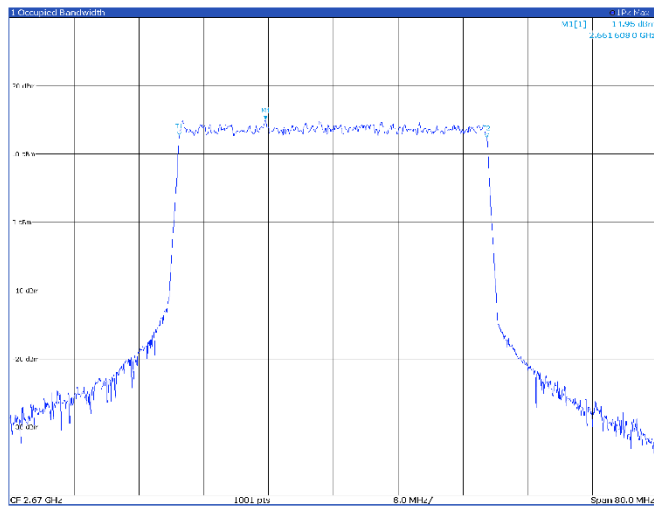
Type	Ref	Freq	X-Value	Y-Value	Occ. Sw	Function	Function Result
F1	1	2.507608 GHz	15.42 dBm	37.905123454 MHz	On	Occ. Sw Control	2.517951411 GHz
F2	1	2.507608 GHz	15.42 dBm	37.905123454 MHz	On	Occ. Sw Control	2.517951411 GHz

TM1.1, 40 MHz, mid channel



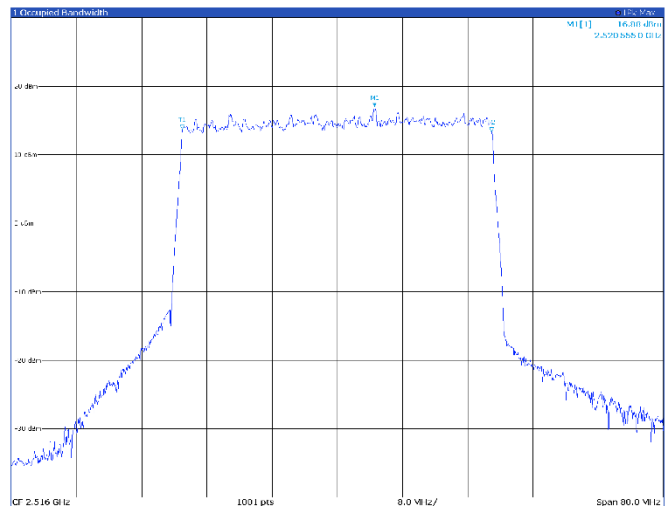
Type	Ref	Freq	X-Value	Y-Value	Occ. Sw	Function	Function Result
F1	1	2.584608 GHz	15.60 dBm	37.935593752 MHz	On	Occ. Sw Control	2.592528019 GHz
F2	1	2.584608 GHz	15.60 dBm	37.935593752 MHz	On	Occ. Sw Control	2.592528019 GHz

TM1.1, 40 MHz, high channel

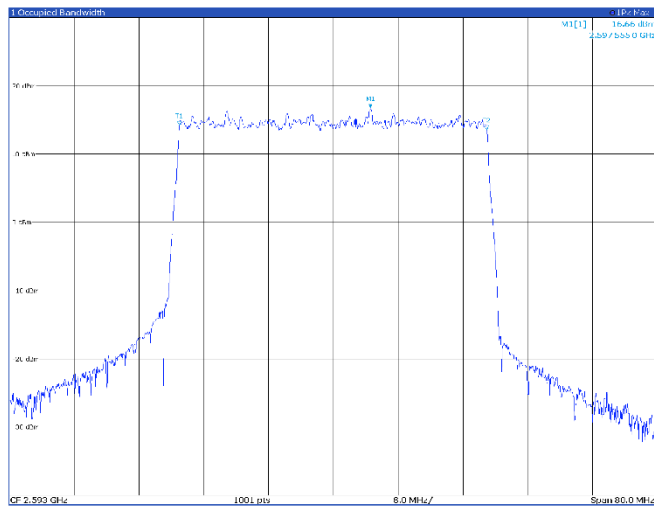


Type	Ref	Freq	X-Value	Y-Value	Occ. Sw	Function	Function Result
F1	1	2.661608 GHz	14.95 dBm	37.931143378 MHz	On	Occ. Sw Control	2.670009614 GHz
F2	1	2.661608 GHz	14.95 dBm	37.931143378 MHz	On	Occ. Sw Control	2.670009614 GHz

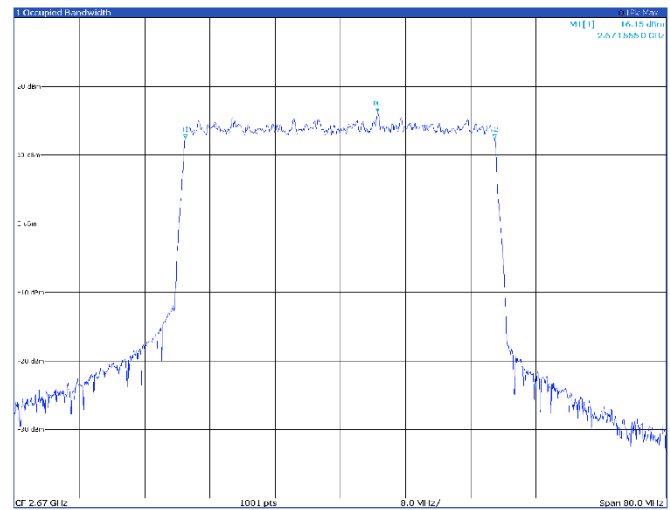
TM3p1, 40 MHz, low channel



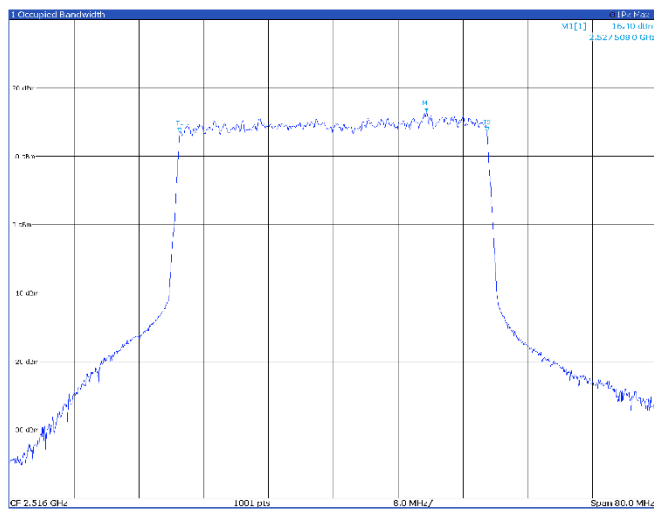
Type	Ref	Freq	X-Value	Y-Value	Occ. Sw	Function	Function Result
F1	1	2.520555 GHz	16.88 dBm	37.944161377 MHz	On	Occ. Sw Control	2.529599995 GHz
F2	1	2.520555 GHz	16.88 dBm	37.944161377 MHz	On	Occ. Sw Control	2.529599995 GHz

TM3p1, 40 MHz, mid channel


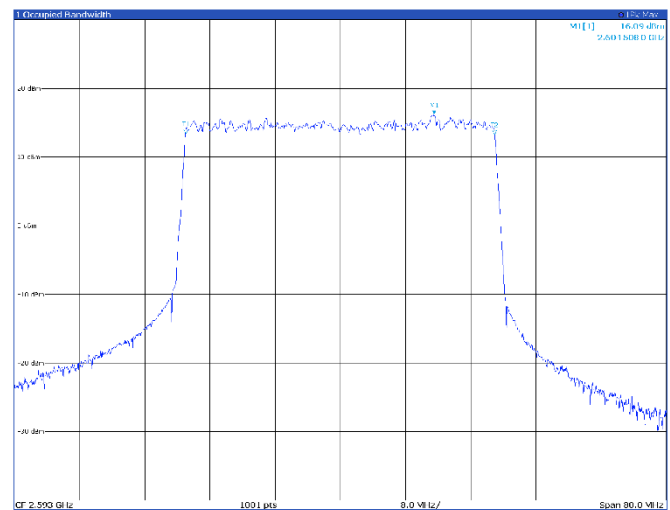
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.597555 GHz	16.66 dBm	Occ Sw	37.945187904 MHz
P1	1		2.597555 GHz	16.10 dBm	Occ Sw Control	2.597555 GHz
P2	1		2.597555 GHz	15.35 dBm	Occ Sw Control	2.597555 GHz

TM3p1, 40 MHz, high channel


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.674555 GHz	16.15 dBm	Occ Sw	37.953260997 MHz
P1	1		2.674555 GHz	15.35 dBm	Occ Sw Control	2.674555 GHz
P2	1		2.674555 GHz	14.60 dBm	Occ Sw Control	2.674555 GHz

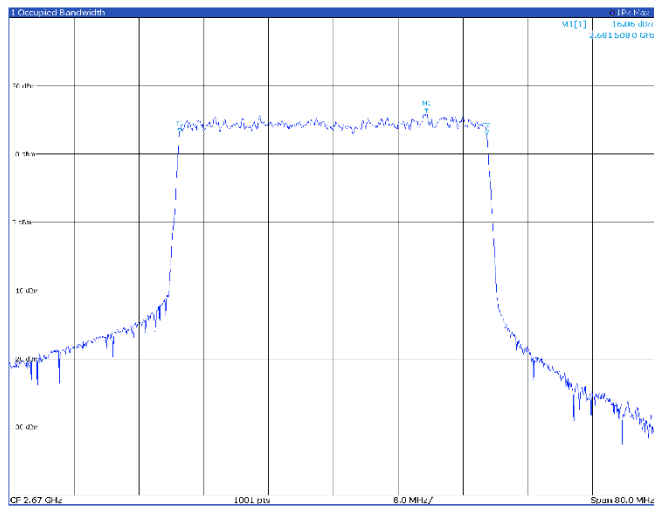
TM3p1a, 40 MHz, low channel


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.527508 GHz	16.40 dBm	Occ Sw	37.899455353 MHz
P1	1		2.527508 GHz	15.35 dBm	Occ Sw Control	2.527508 GHz
P2	1		2.527508 GHz	14.60 dBm	Occ Sw Control	2.527508 GHz

TM3p1a, 40 MHz, mid channel


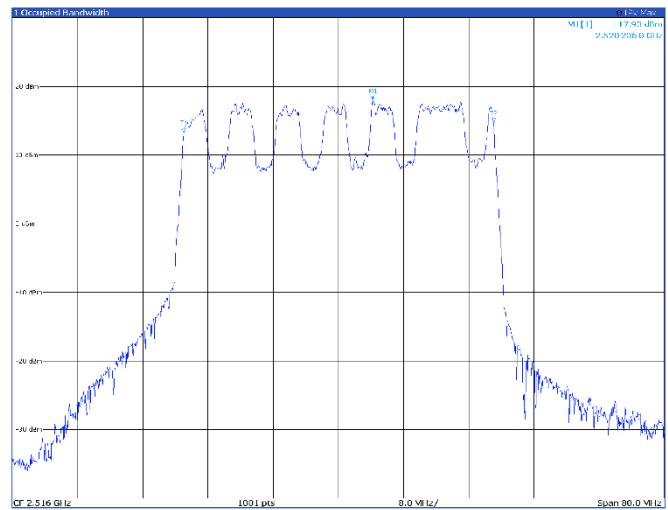
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.604508 GHz	16.09 dBm	Occ Sw	37.934090266 MHz
P1	1		2.604508 GHz	15.35 dBm	Occ Sw Control	2.604508 GHz
P2	1		2.604508 GHz	14.60 dBm	Occ Sw Control	2.604508 GHz

TM3p1a, 40 MHz, high channel



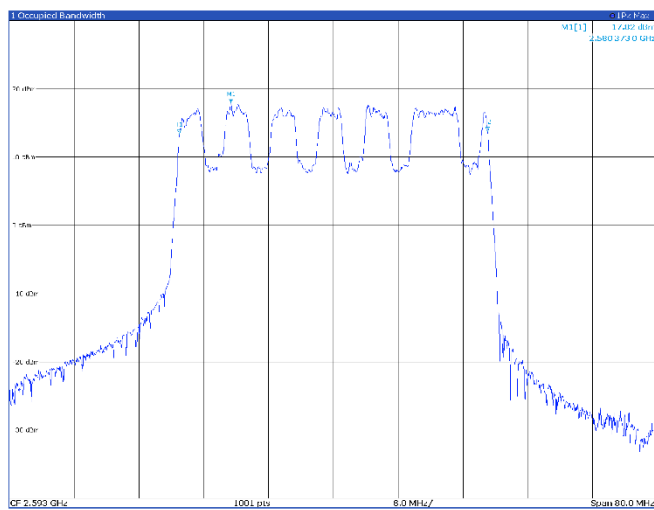
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.681508 GHz	16.06 dBm		Occ Sw	37.912619981 MHz
F1	1		2.681508 GHz	15.10 dBm		Occ Sw Channel	2.681508 GHz
F2	1		2.681508 GHz	15.10 dBm		Occ Sw Channel	2.681508 GHz

TM3p3, 40 MHz, low channel



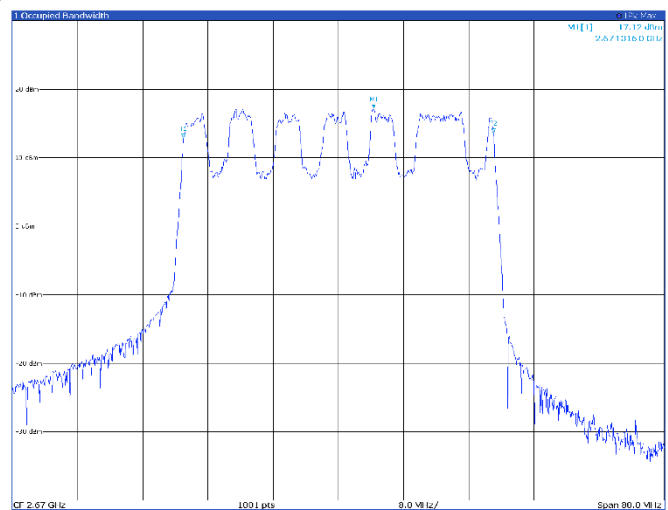
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.520236 GHz	17.93 dBm		Occ Sw	38.015606598 MHz
F1	1		2.520236 GHz	17.22 dBm		Occ Sw Channel	2.520236 GHz
F2	1		2.520236 GHz	17.22 dBm		Occ Sw Channel	2.520236 GHz

TM3p3, 40 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.580373 GHz	17.82 dBm		Occ Sw	38.052461082 MHz
F1	1		2.580373 GHz	15.10 dBm		Occ Sw Channel	2.580373 GHz
F2	1		2.580373 GHz	15.10 dBm		Occ Sw Channel	2.580373 GHz

TM3p3, 40 MHz, high channel

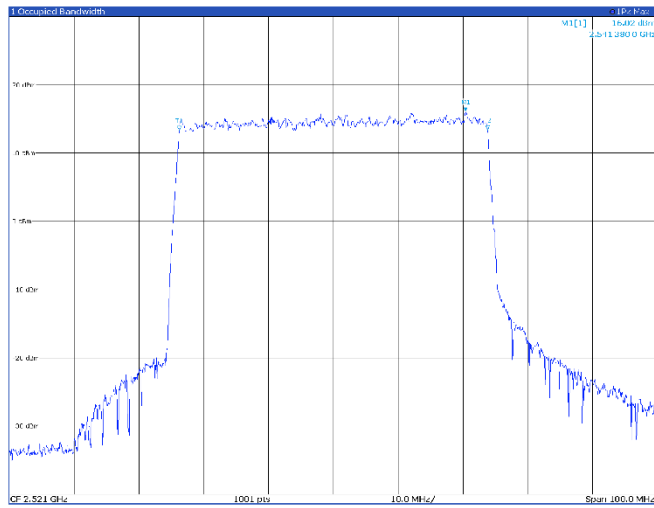


Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.674316 GHz	17.12 dBm		Occ Sw	38.045268345 MHz
F1	1		2.674316 GHz	15.10 dBm		Occ Sw Channel	2.674316 GHz
F2	1		2.674316 GHz	15.10 dBm		Occ Sw Channel	2.674316 GHz

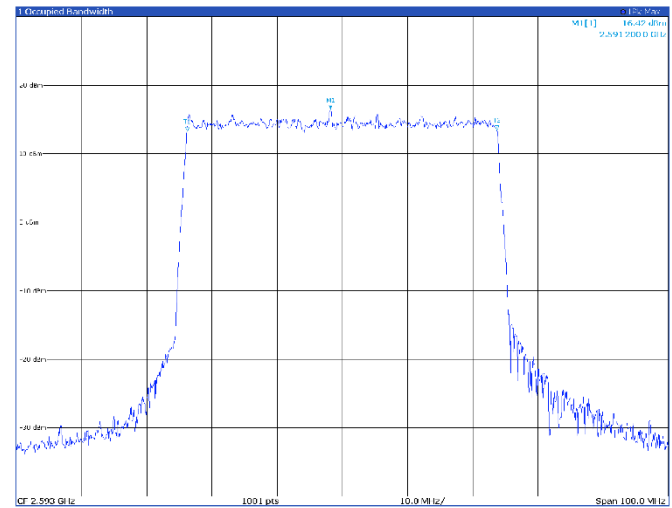
Band n41

50 MHz

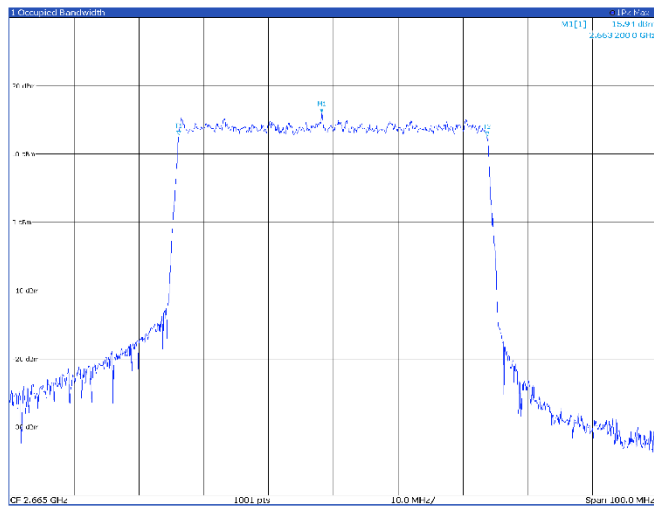
TM1.1, 50 MHz, low channel



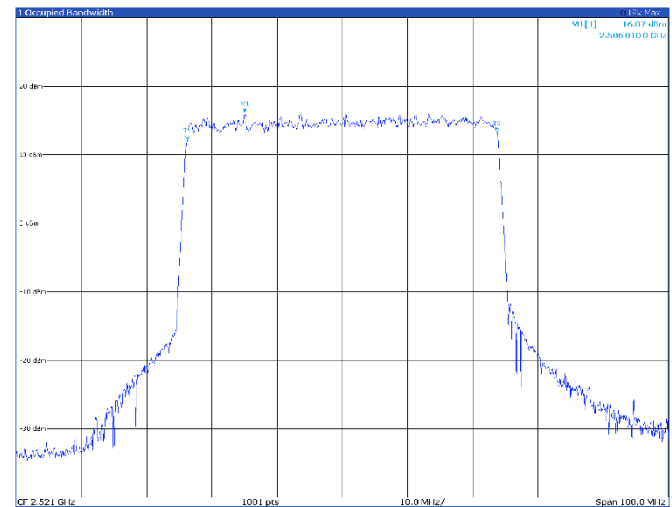
TM1.1, 50 MHz, mid channel



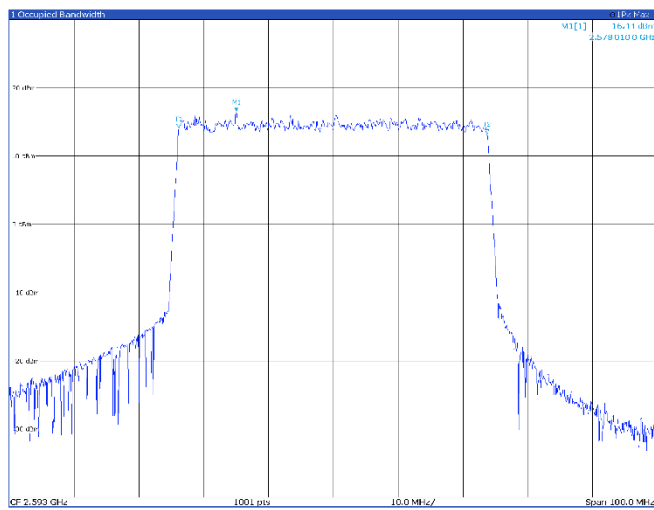
TM1.1, 50 MHz, high channel



TM3p1, 50 MHz, low channel

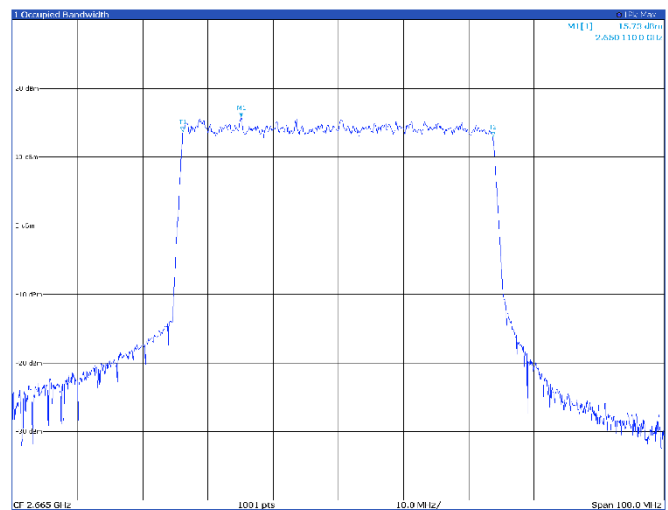


TM3p1, 50 MHz, mid channel



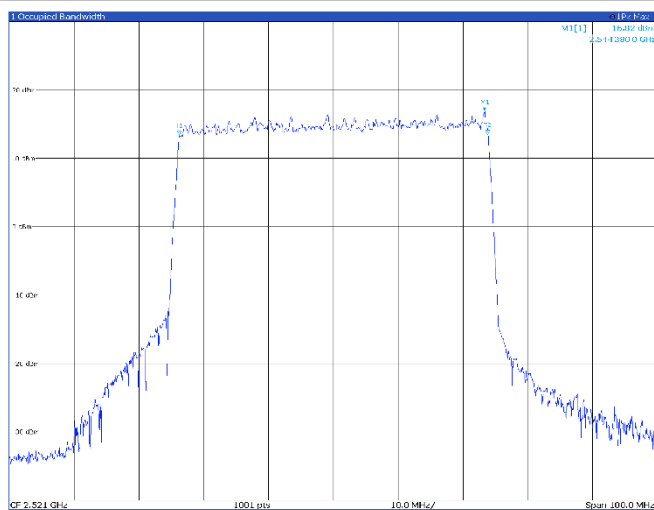
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		2.57801 GHz	16.44 dBm		Occ: SW	47.582581322 MHz
M2	1		2.569129 GHz	-14.00 dBm		Occ: SW	2.569129 GHz
M3	1		2.587000 GHz	-13.00 dBm		Occ: SW	2.587000 GHz

TM3p1, 50 MHz, high channel



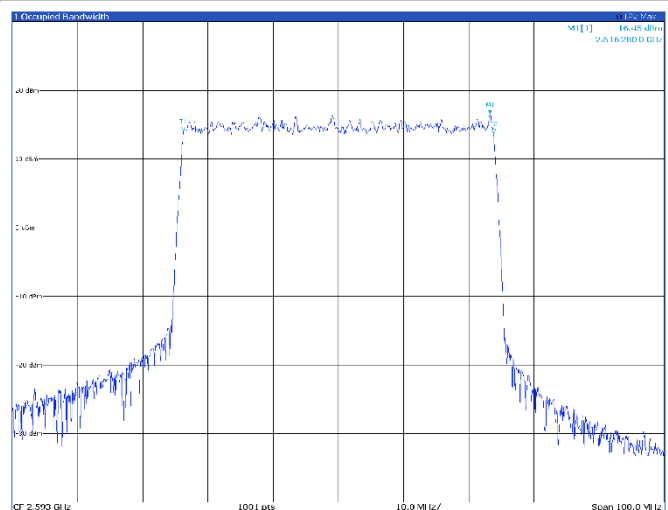
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		2.65011 GHz	15.73 dBm		Occ: SW	47.587683455 MHz
M2	1		2.641229 GHz	-13.71 dBm		Occ: SW	2.641229 GHz
M3	1		2.659000 GHz	-13.00 dBm		Occ: SW	2.659000 GHz

TM3p1a, 50 MHz, low channel



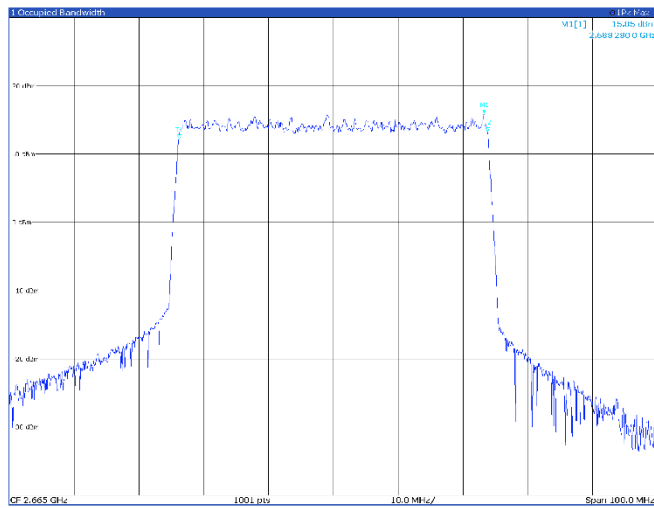
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		2.54438 GHz	16.82 dBm		Occ: SW	47.597338332 MHz
M2	1		2.537229 GHz	-13.00 dBm		Occ: SW	2.537229 GHz
M3	1		2.552000 GHz	-13.00 dBm		Occ: SW	2.552000 GHz

TM3p1a, 50 MHz, mid channel



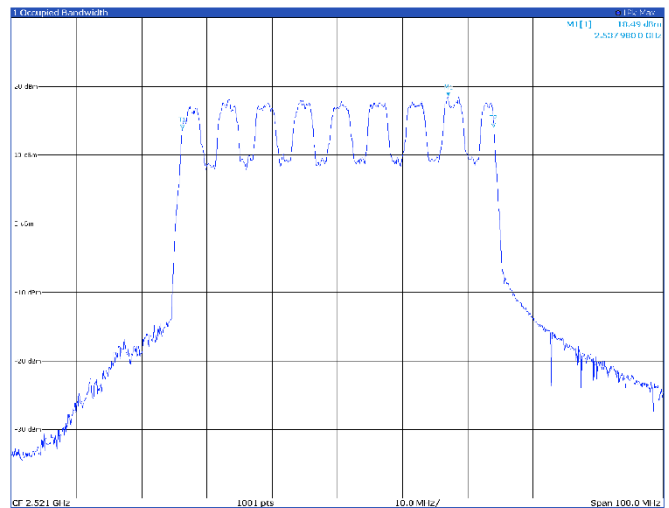
Type	Ref	Trc	X-Value	Y-Value	Unit	Function	Function Result
M1	1		2.61628 GHz	16.45 dBm		Occ: SW	47.595100617 MHz
M2	1		2.607229 GHz	-13.00 dBm		Occ: SW	2.607229 GHz
M3	1		2.625000 GHz	-13.00 dBm		Occ: SW	2.625000 GHz

TM3p1a, 50 MHz, high channel



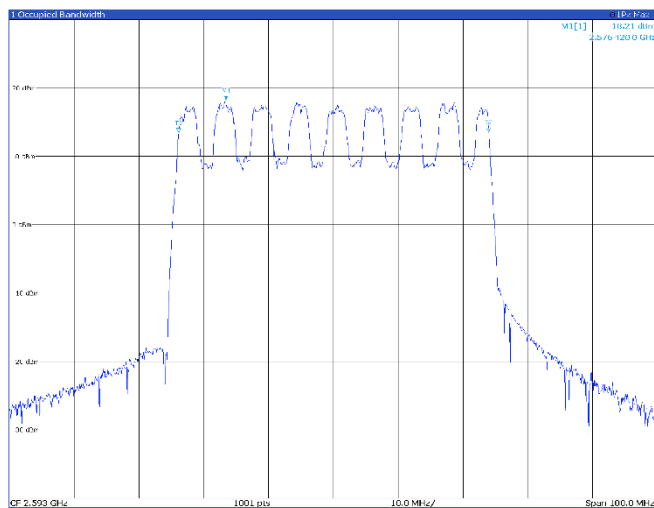
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
P1	1		2.68828 GHz	15.85 dBm		Occ: SW	47.610122189 MHz
P1	1		2.68828 GHz	15.85 dBm		Occ: SW	2.68828 GHz
P1	1		2.68828 GHz	15.85 dBm		Occ: SW	2.68828 GHz

TM3p3, 50 MHz, low channel



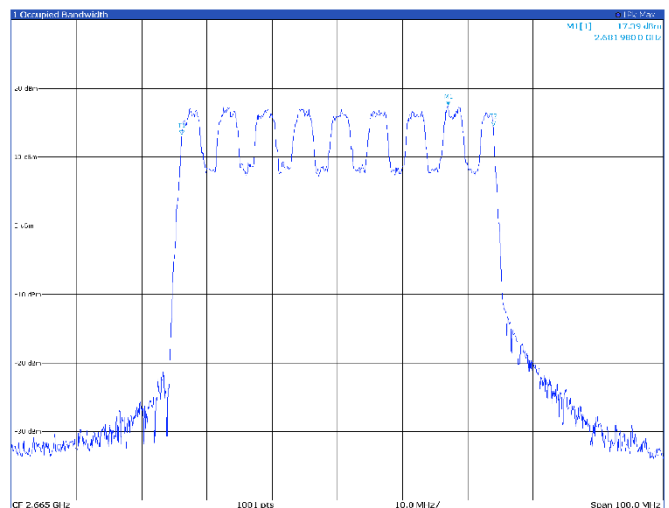
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
P1	1		2.53798 GHz	18.49 dBm		Occ: SW	47.764088917 MHz
P1	1		2.53798 GHz	18.49 dBm		Occ: SW	2.53798 GHz
P1	1		2.53798 GHz	18.49 dBm		Occ: SW	2.53798 GHz

TM3p3, 50 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
P1	1		2.57642 GHz	18.21 dBm		Occ: SW	47.793019338 MHz
P1	1		2.57642 GHz	18.21 dBm		Occ: SW	2.57642 GHz
P1	1		2.57642 GHz	18.21 dBm		Occ: SW	2.57642 GHz

TM3p3, 50 MHz, high channel

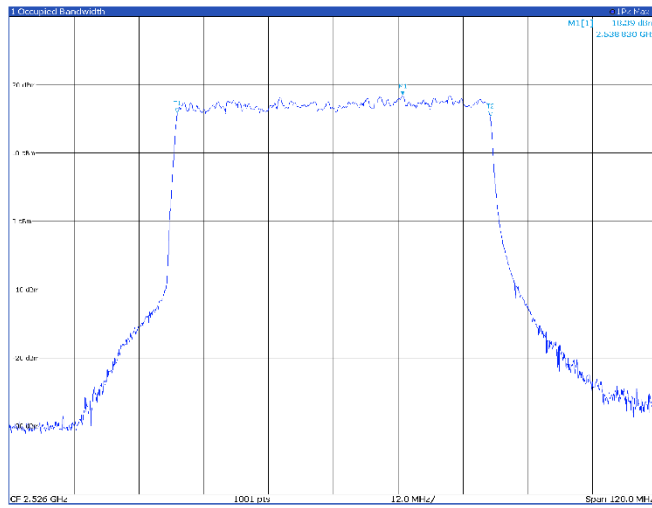


Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
P1	1		2.68198 GHz	17.39 dBm		Occ: SW	47.760665172 MHz
P1	1		2.68198 GHz	17.39 dBm		Occ: SW	2.68198 GHz
P1	1		2.68198 GHz	17.39 dBm		Occ: SW	2.68198 GHz

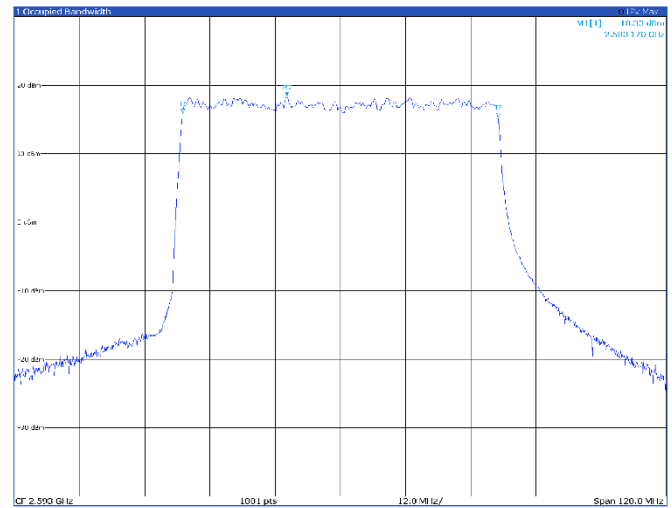
Band n41

60 MHz

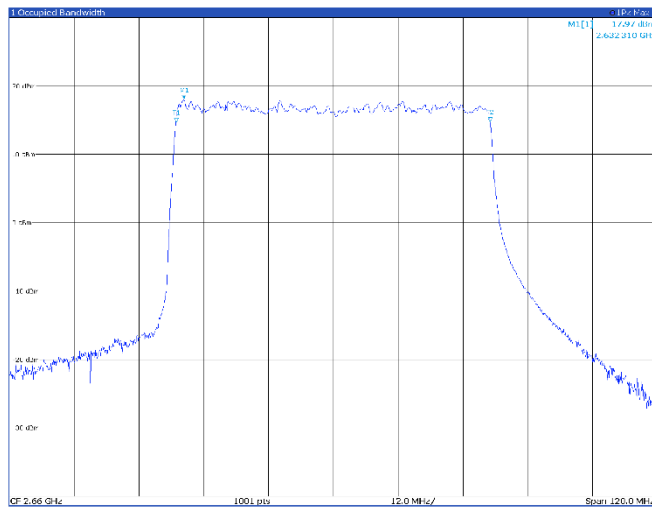
TM1.1, 60 MHz, low channel



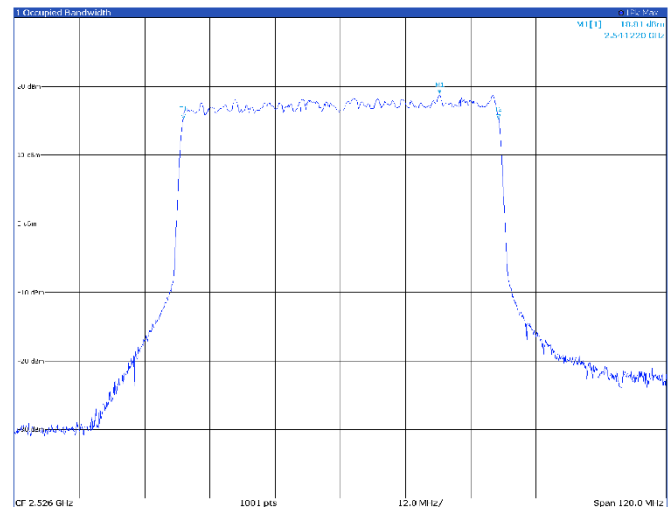
TM1.1, 60 MHz, mid channel



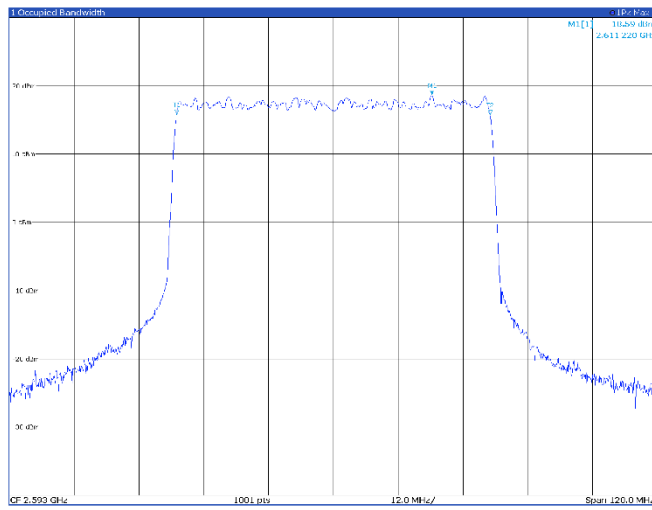
TM1.1, 60 MHz, high channel



TM3p1, 60 MHz, low channel

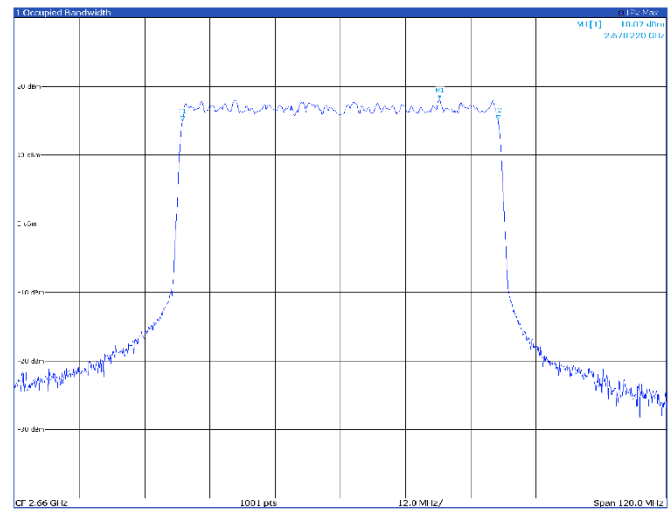


TM3p1, 60 MHz, mid channel



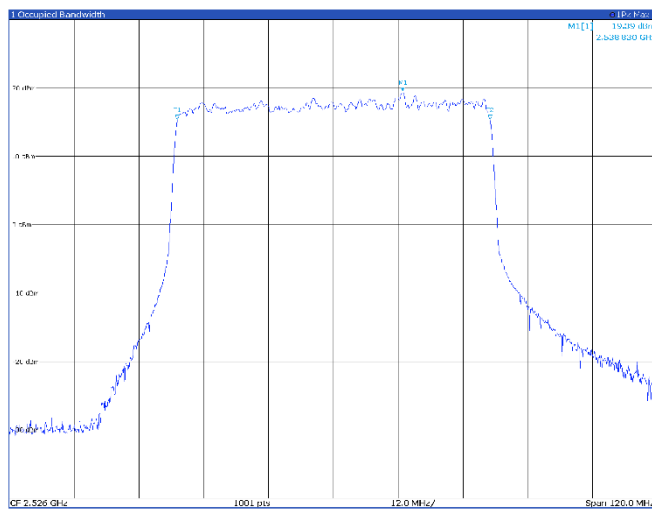
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.61122 GHz	18.59 dBm	Occ Sw	58.086444253 MHz
M2	1		2.59311 GHz	15.01 dBm	Occ Sw	2.520000000 GHz
M3	1		2.63000 GHz	15.01 dBm	Occ Sw	2.630000000 GHz

TM3p1, 60 MHz, high channel



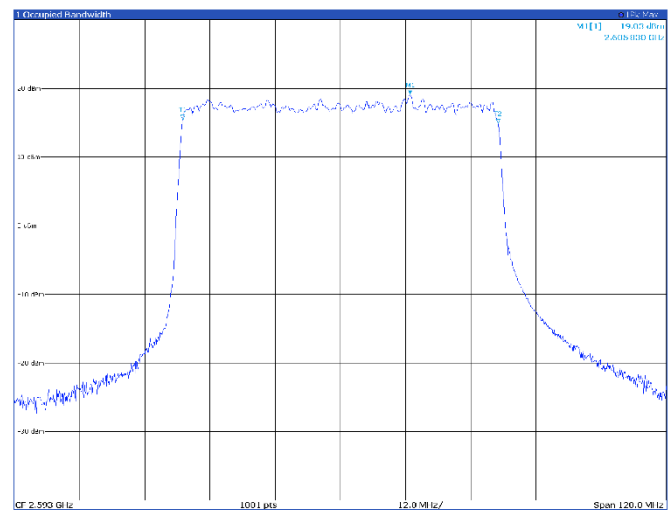
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.67822 GHz	18.07 dBm	Occ Sw	58.106468553 MHz
M2	1		2.66000 GHz	15.01 dBm	Occ Sw	2.679607007 GHz
M3	1		2.70000 GHz	15.01 dBm	Occ Sw	2.700000000 GHz

TM3p1a, 60 MHz, low channel



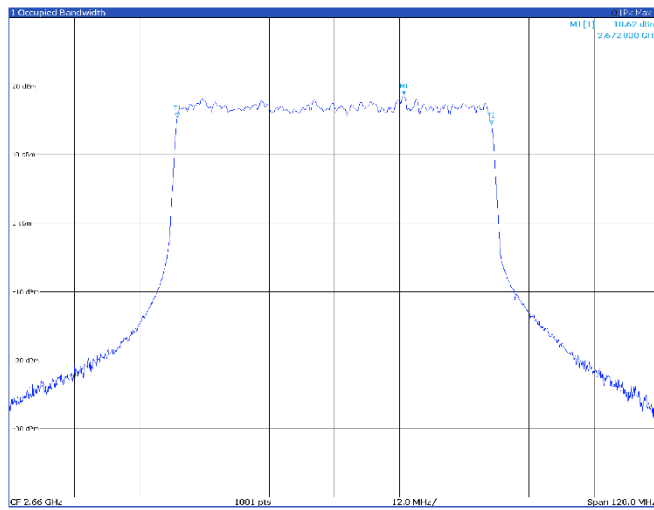
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.53883 GHz	19.59 dBm	Occ Sw	57.914029262 MHz
M2	1		2.52800 GHz	15.01 dBm	Occ Sw	2.528000000 GHz
M3	1		2.54900 GHz	15.01 dBm	Occ Sw	2.549000000 GHz

TM3p1a, 60 MHz, mid channel

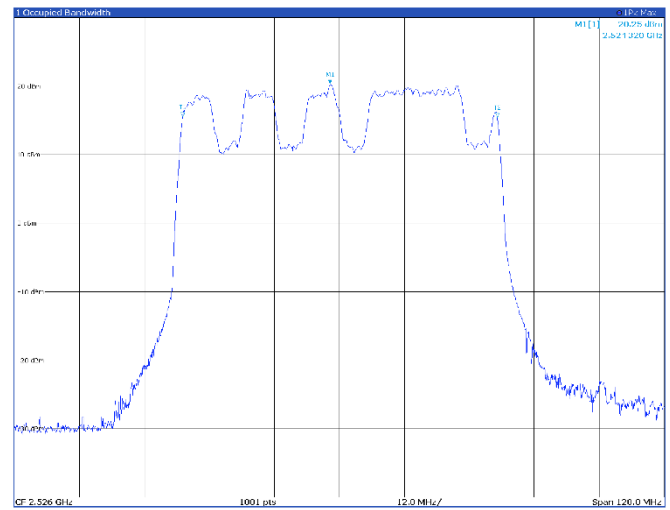


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.60583 GHz	19.03 dBm	Occ Sw	57.985254523 MHz
M2	1		2.59000 GHz	15.01 dBm	Occ Sw	2.590000000 GHz
M3	1		2.62100 GHz	15.01 dBm	Occ Sw	2.621000000 GHz

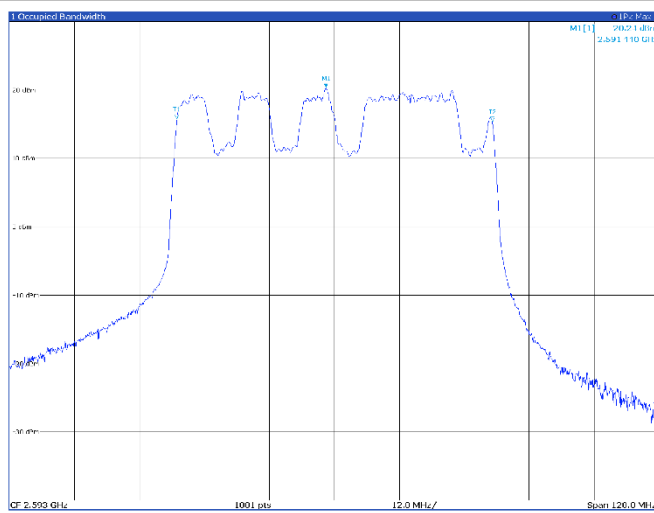
TM3p1a, 60 MHz, high channel



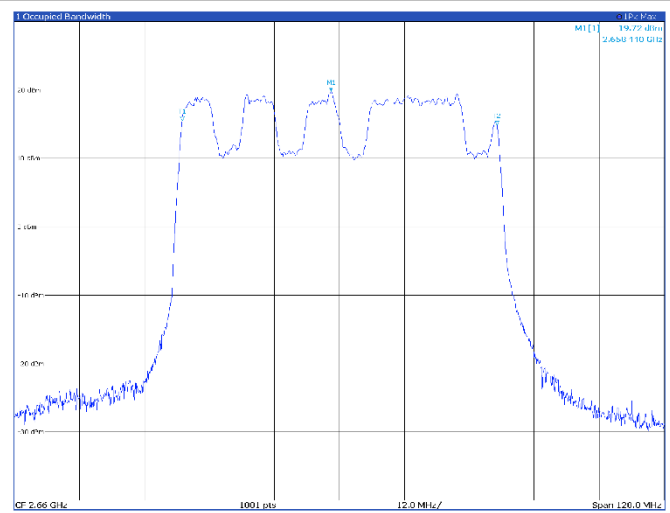
TM3p3, 60 MHz, low channel



TM3p3, 60 MHz, mid channel



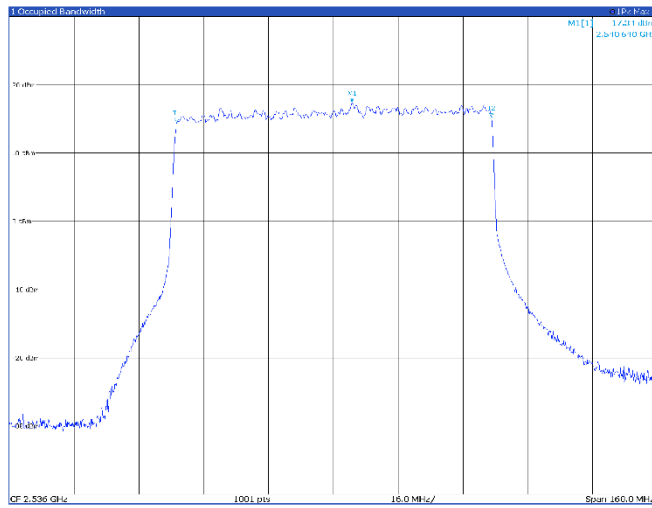
TM3p3, 60 MHz, high channel



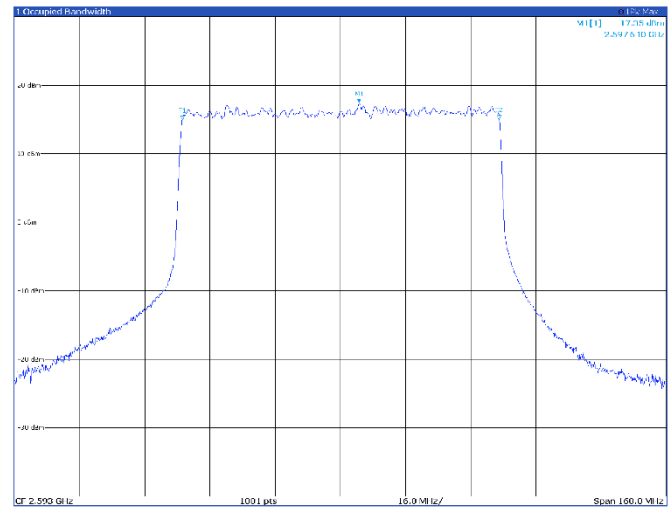
Band n41

80 MHz

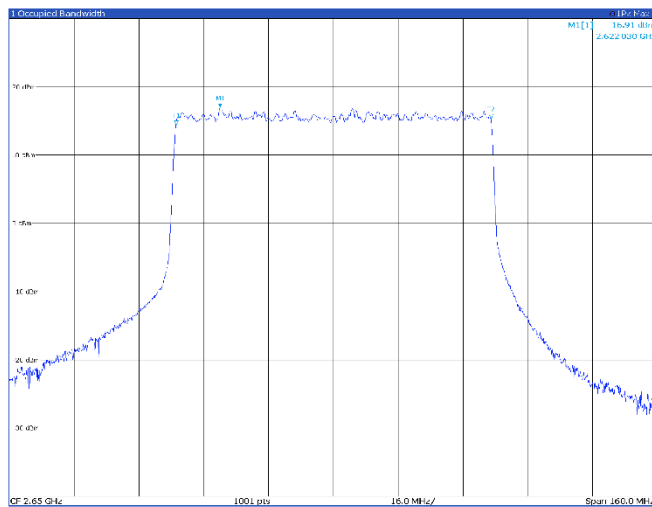
TM1.1, 80 MHz, low channel



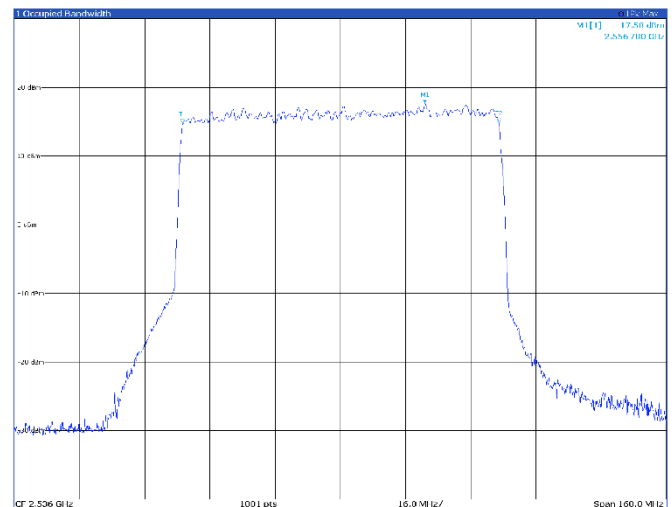
TM1.1, 80 MHz, mid channel



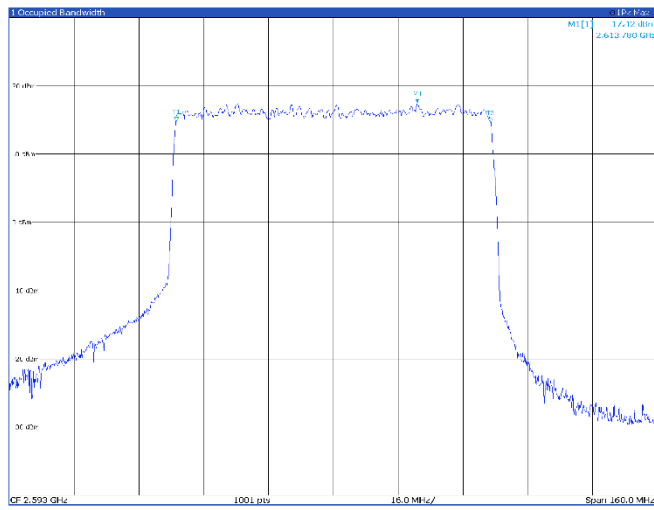
TM1.1, 80 MHz, high channel



TM3p1, 80 MHz, low channel

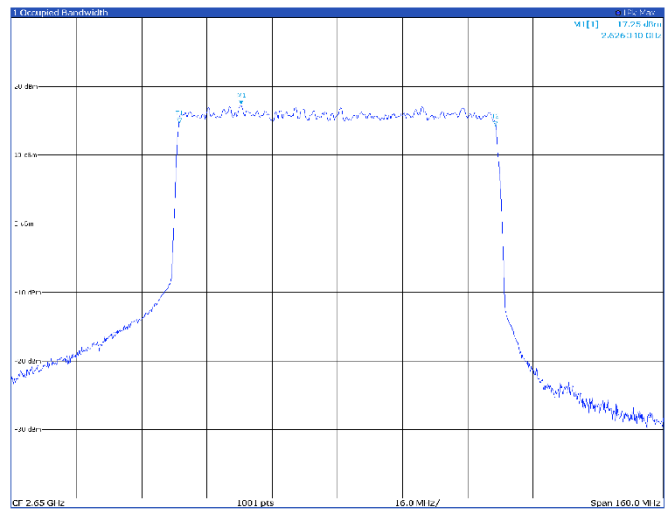


TM3p1, 80 MHz, mid channel



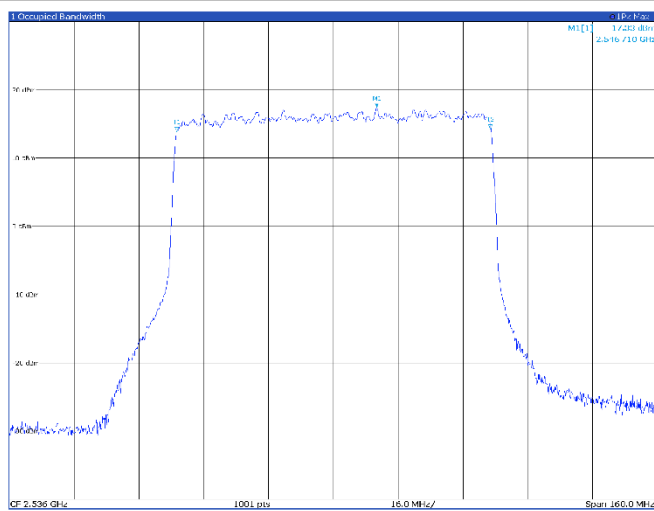
Marker	Ref	Trc	X Value	Y Value	Occ. Sw	Function	Function Result
M1	1	1	77.646102203 MHz	17.42 dBm	Occ. Sw	Occupied Bandwidth	77.646102203 MHz
M2	1	1	77.646102203 MHz	17.42 dBm	Occ. Sw	Occupied Bandwidth	77.646102203 MHz

TM3p1, 80 MHz, high channel



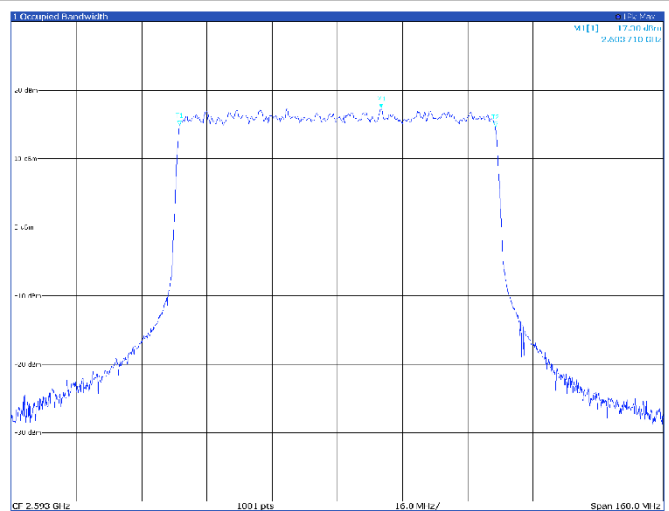
Marker	Ref	Trc	X Value	Y Value	Occ. Sw	Function	Function Result
M1	1	1	77.665987198 MHz	17.25 dBm	Occ. Sw	Occupied Bandwidth	77.665987198 MHz
M2	1	1	77.665987198 MHz	17.25 dBm	Occ. Sw	Occupied Bandwidth	77.665987198 MHz

TM3p1a, 80 MHz, low channel



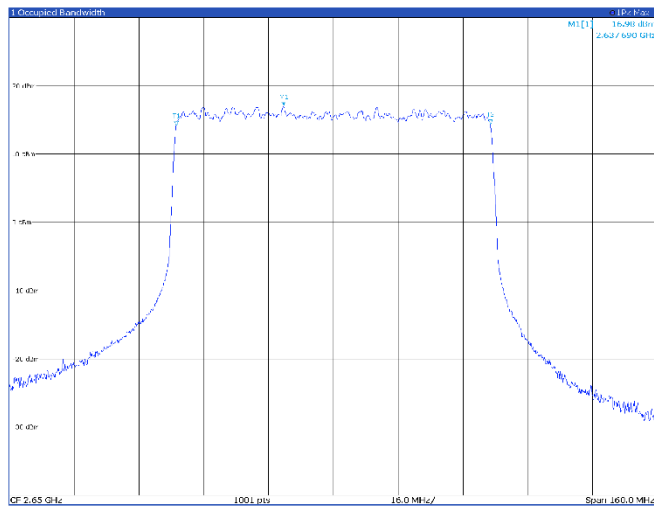
Marker	Ref	Trc	X Value	Y Value	Occ. Sw	Function	Function Result
M1	1	1	77.421156644 MHz	17.33 dBm	Occ. Sw	Occupied Bandwidth	77.421156644 MHz
M2	1	1	77.421156644 MHz	17.33 dBm	Occ. Sw	Occupied Bandwidth	77.421156644 MHz

TM3p1a, 80 MHz, mid channel



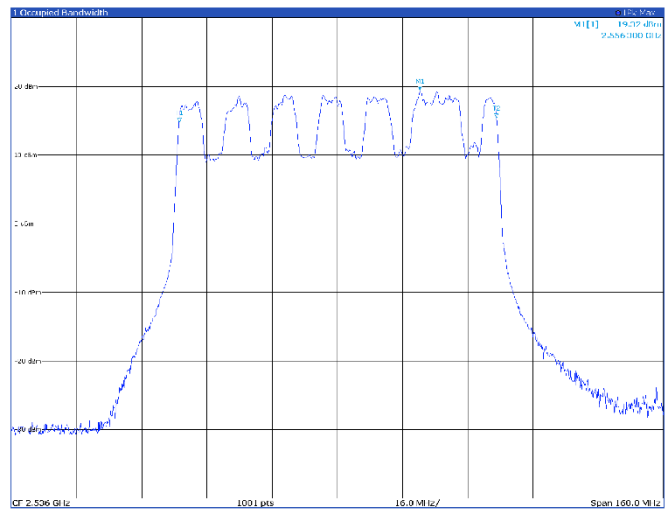
Marker	Ref	Trc	X Value	Y Value	Occ. Sw	Function	Function Result
M1	1	1	77.494248556 MHz	17.30 dBm	Occ. Sw	Occupied Bandwidth	77.494248556 MHz
M2	1	1	77.494248556 MHz	17.30 dBm	Occ. Sw	Occupied Bandwidth	77.494248556 MHz

TM3p1a, 80 MHz, high channel



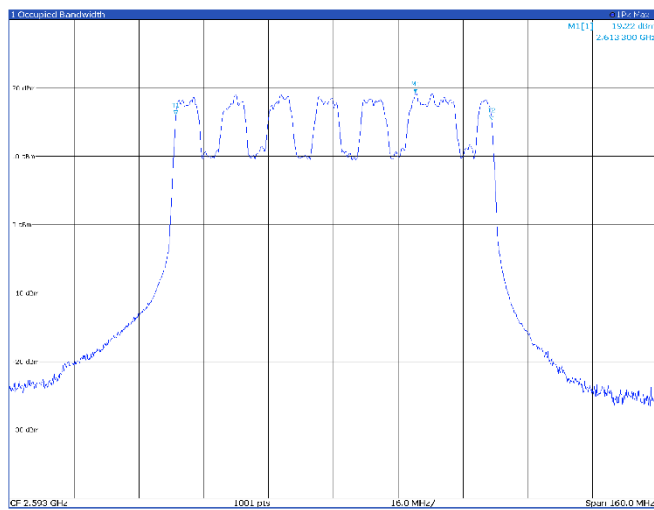
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.63769 GHz	16.98 dBm	Occ Sw	77.520912475 MHz
M2	1		2.63769 GHz	16.98 dBm	Occ Sw	77.520912475 MHz
M3	1		2.63769 GHz	16.98 dBm	Occ Sw	77.520912475 MHz

TM3p3, 80 MHz, low channel



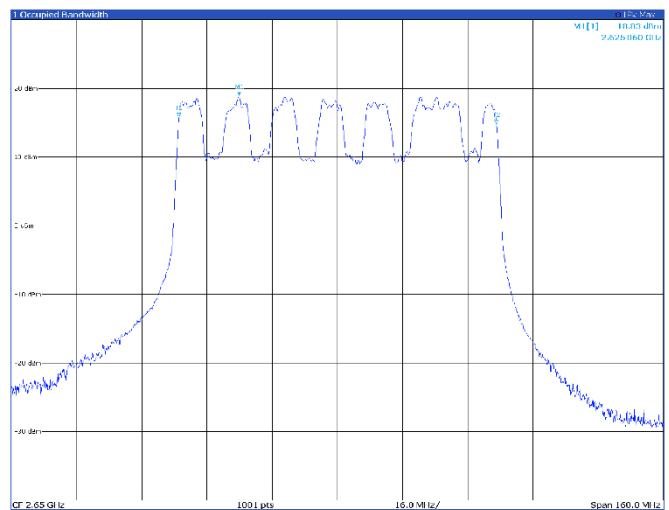
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.5563 GHz	19.32 dBm	Occ Sw	77.828707468 MHz
M2	1		2.5563 GHz	19.32 dBm	Occ Sw	77.828707468 MHz
M3	1		2.5563 GHz	19.32 dBm	Occ Sw	77.828707468 MHz

TM3p3, 80 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.6133 GHz	19.22 dBm	Occ Sw	77.924010927 MHz
M2	1		2.6133 GHz	19.22 dBm	Occ Sw	77.924010927 MHz
M3	1		2.6133 GHz	19.22 dBm	Occ Sw	77.924010927 MHz

TM3p3, 80 MHz, high channel

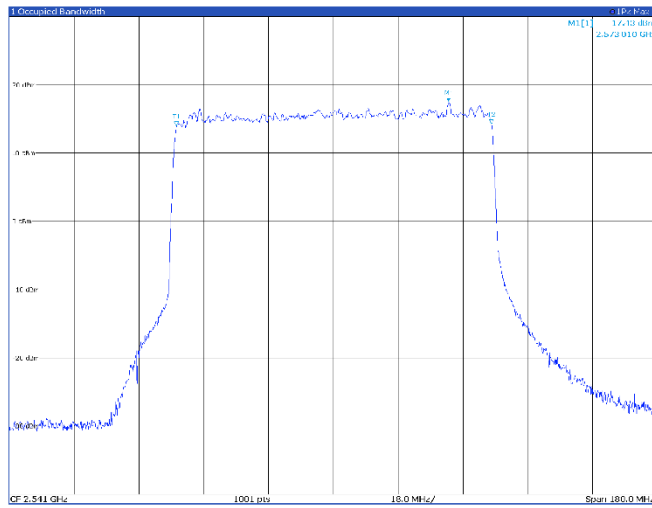


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.6256 GHz	18.83 dBm	Occ Sw	77.914994668 MHz
M2	1		2.6256 GHz	18.83 dBm	Occ Sw	77.914994668 MHz
M3	1		2.6256 GHz	18.83 dBm	Occ Sw	77.914994668 MHz

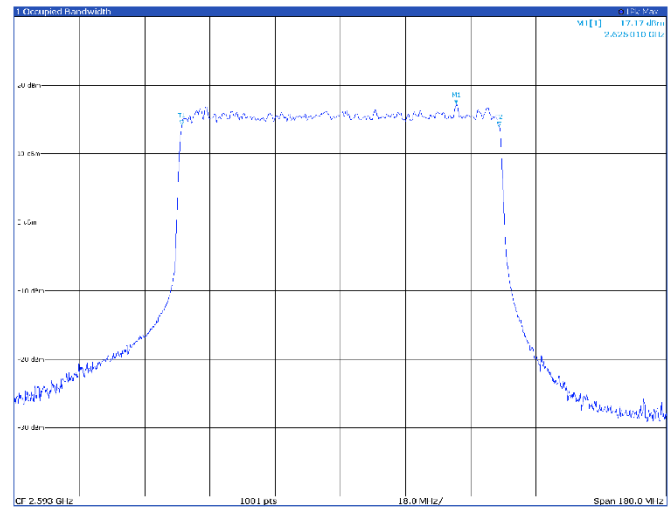
Band n41

90 MHz

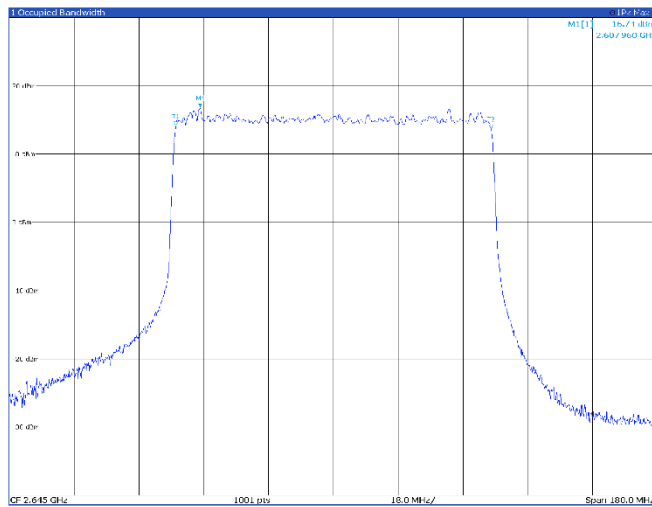
TM1.1, 90 MHz, low channel



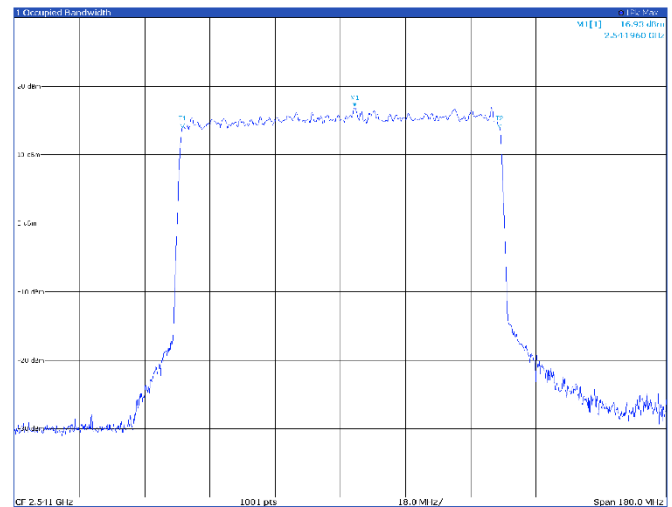
TM1.1, 90 MHz, mid channel



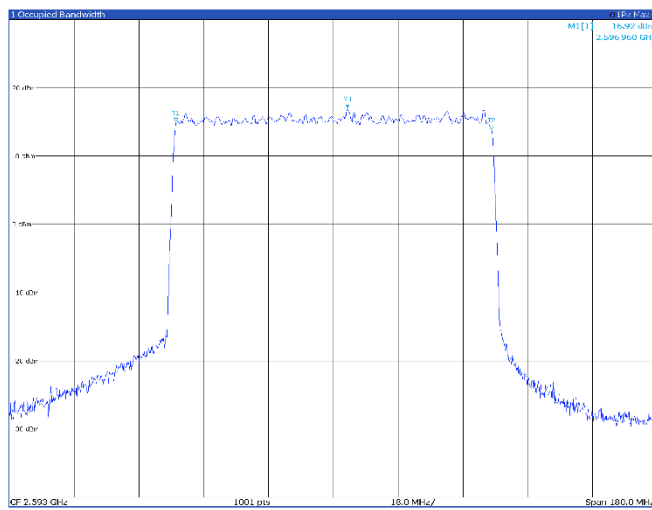
TM1.1, 90 MHz, high channel



TM3p1, 90 MHz, low channel

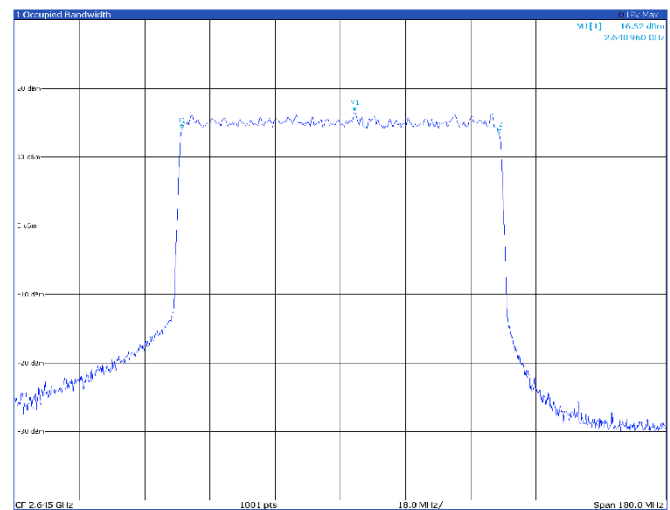


TM3p1, 90 MHz, mid channel



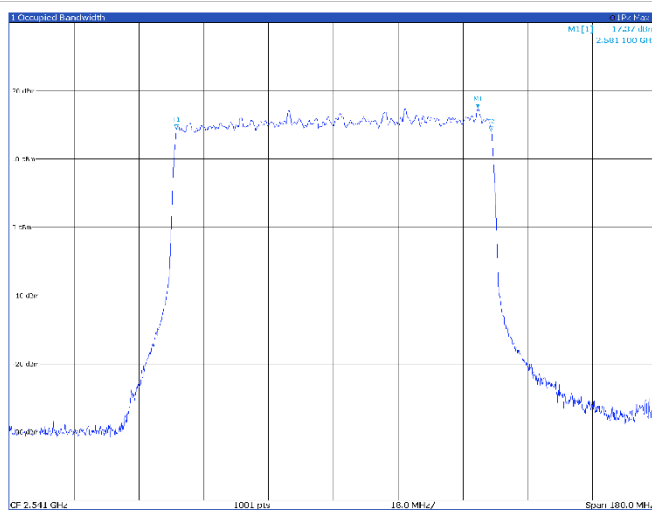
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.596 96 GHz	16.92 dBm	Occ Sw	87.633 065 965 MHz
F1	1		2.596 96 GHz	16.92 dBm	Occ Sw Channel	2.596 965 965 GHz
F2	1		2.596 96 GHz	16.92 dBm	Occ Sw Channel Offset	2.596 965 965 GHz

TM3p1, 90 MHz, high channel



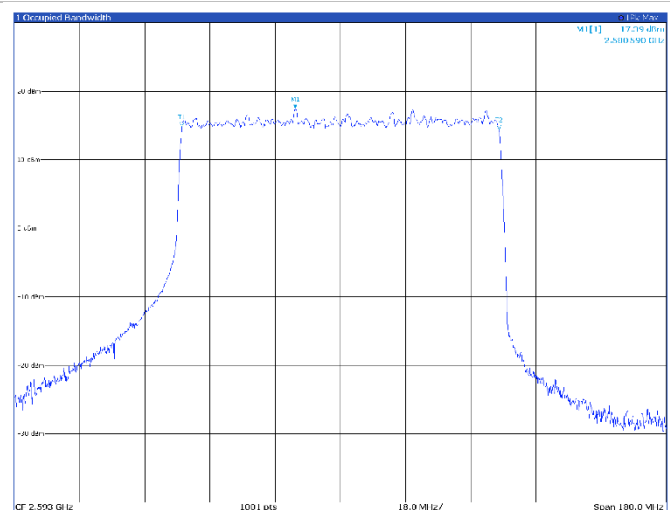
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.648 96 GHz	16.52 dBm	Occ Sw	87.641 591 124 MHz
F1	1		2.648 96 GHz	16.52 dBm	Occ Sw Channel	2.648 965 124 GHz
F2	1		2.648 96 GHz	16.52 dBm	Occ Sw Channel Offset	2.648 965 124 GHz

TM3p1a, 90 MHz, low channel



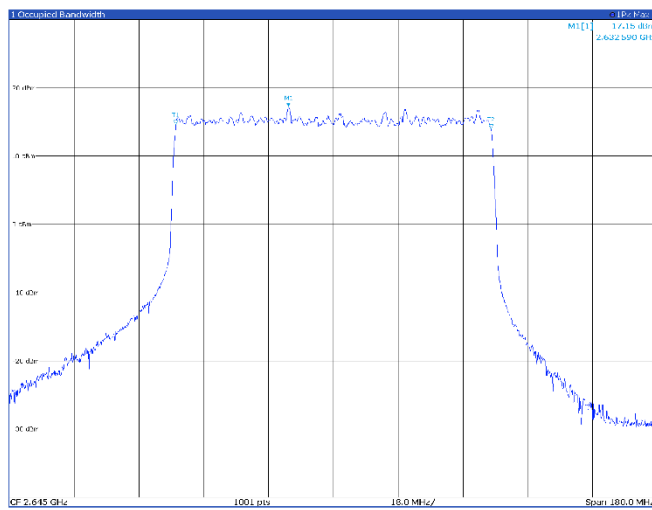
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.581 1 GHz	17.37 dBm	Occ Sw	87.576 158 239 MHz
F1	1		2.581 1 GHz	17.37 dBm	Occ Sw Channel	2.581 158 239 GHz
F2	1		2.581 1 GHz	17.37 dBm	Occ Sw Channel Offset	2.581 158 239 GHz

TM3p1a, 90 MHz, mid channel



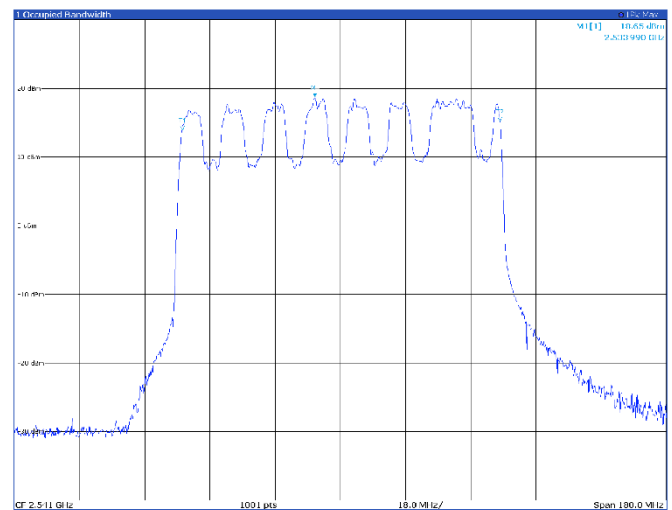
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.580 59 GHz	17.39 dBm	Occ Sw	87.481 687 621 MHz
F1	1		2.580 59 GHz	17.39 dBm	Occ Sw Channel	2.580 595 621 GHz
F2	1		2.580 59 GHz	17.39 dBm	Occ Sw Channel Offset	2.580 595 621 GHz

TM3p1a, 90 MHz, high channel



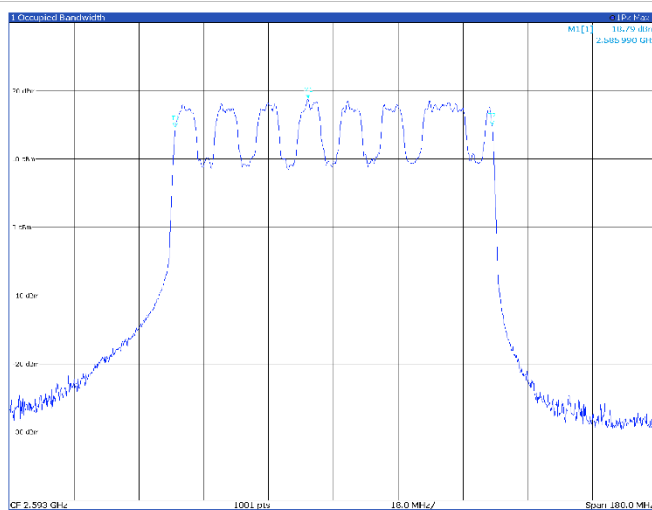
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.632 59 GHz	17.15 dBm		Occ Sw	87.513 035 156 MHz
F1	1		2.632 59 GHz	17.15 dBm		Occ Sw Channel	2.632 59 GHz
F2	1		2.632 59 GHz	17.15 dBm		Occ Sw Channel	2.632 59 GHz

TM3p3, 90 MHz, low channel



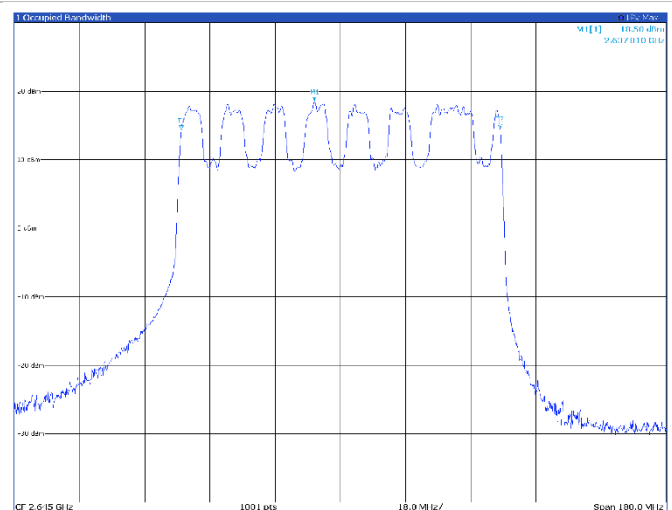
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.533 99 GHz	18.65 dBm		Occ Sw	87.741 634 315 MHz
F1	1		2.533 99 GHz	18.65 dBm		Occ Sw Channel	2.533 99 GHz
F2	1		2.533 99 GHz	18.65 dBm		Occ Sw Channel	2.533 99 GHz

TM3p3, 90 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.583 99 GHz	18.79 dBm		Occ Sw	87.851 536 527 MHz
F1	1		2.583 99 GHz	18.79 dBm		Occ Sw Channel	2.583 99 GHz
F2	1		2.583 99 GHz	18.79 dBm		Occ Sw Channel	2.583 99 GHz

TM3p3, 90 MHz, high channel

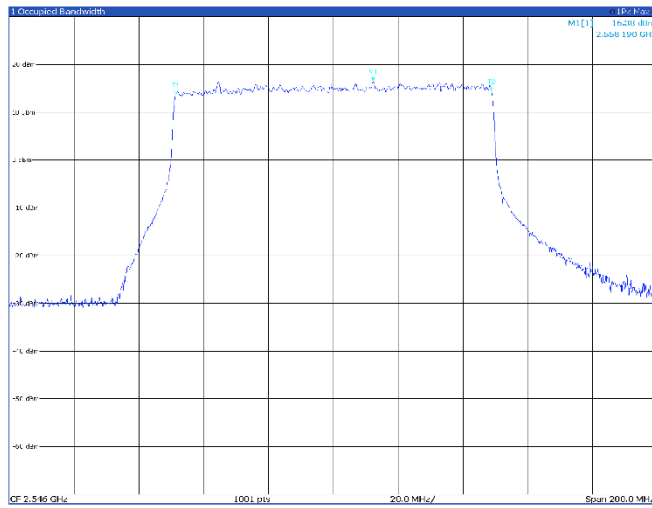


Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.637 81 GHz	18.50 dBm		Occ Sw	87.866 214 235 MHz
F1	1		2.637 81 GHz	18.50 dBm		Occ Sw Channel	2.637 81 GHz
F2	1		2.637 81 GHz	18.50 dBm		Occ Sw Channel	2.637 81 GHz

Band n41

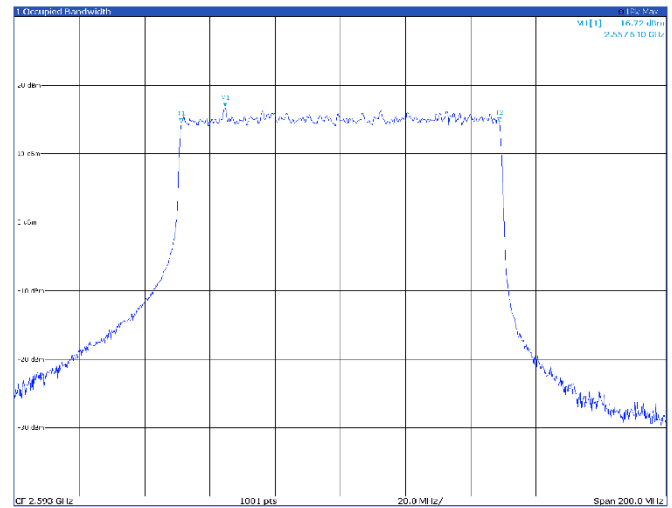
100 MHz

TM1.1, 100 MHz, low channel



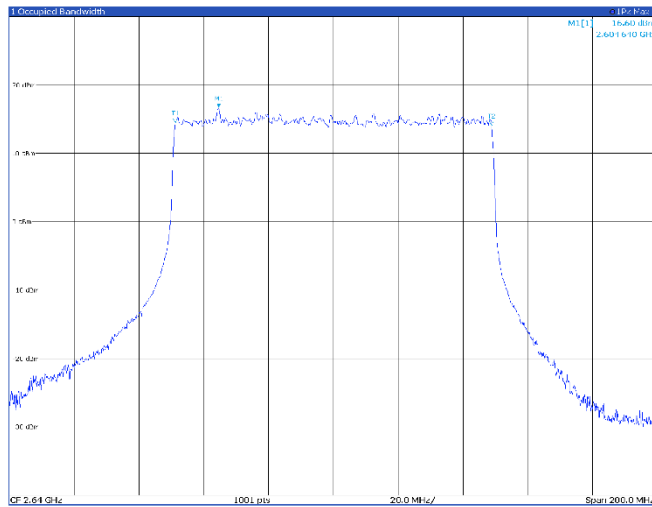
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.55819 GHz	16.38 dBm	Occ BW	97.511185674 MHz
T1	1		2.546190 GHz	16.38 dBm	Occ BW Channel	2.546190 GHz
T2	1		2.556190 GHz	16.38 dBm	Occ BW Channel	2.556190 GHz

TM1.1, 100 MHz, mid channel



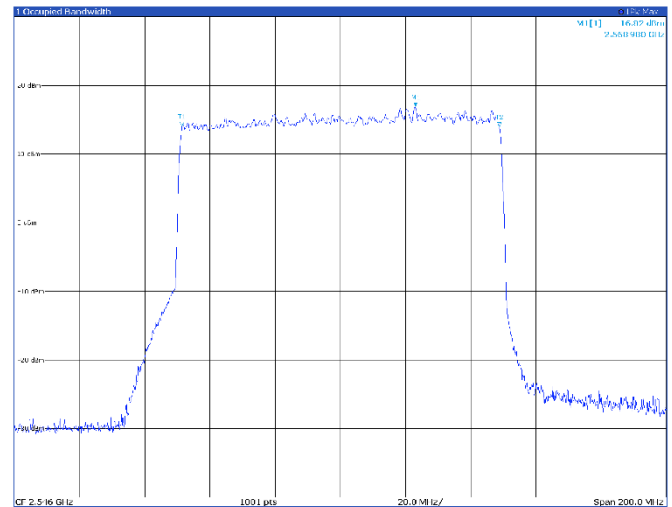
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.59764 GHz	16.72 dBm	Occ BW	97.596311369 MHz
T1	1		2.591155 GHz	16.72 dBm	Occ BW Channel	2.591155 GHz
T2	1		2.597751 GHz	16.72 dBm	Occ BW Channel	2.597751 GHz

TM1.1, 100 MHz, high channel



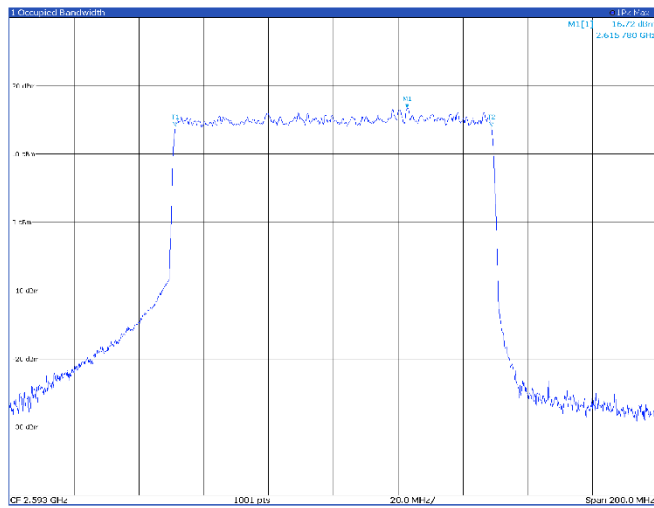
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.60464 GHz	16.60 dBm	Occ BW	97.60204729 MHz
T1	1		2.596149 GHz	16.60 dBm	Occ BW Channel	2.596149 GHz
T2	1		2.608702 GHz	16.60 dBm	Occ BW Channel	2.608702 GHz

TM3p1, 100 MHz, low channel



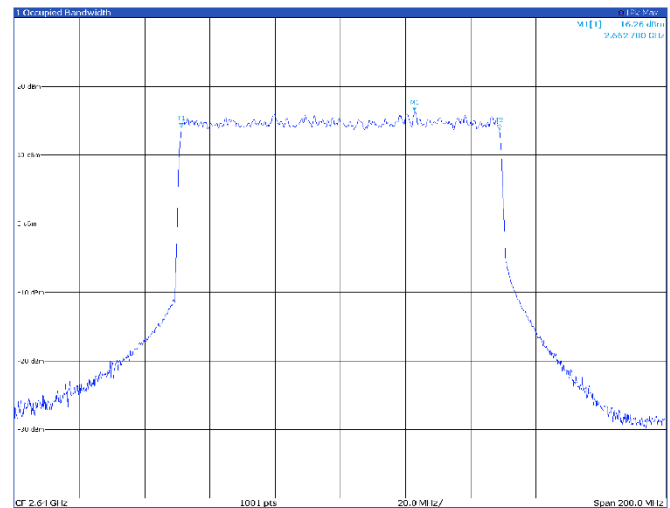
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.56890 GHz	16.82 dBm	Occ BW	97.385674345 MHz
T1	1		2.567323 GHz	16.82 dBm	Occ BW Channel	2.567323 GHz
T2	1		2.564770 GHz	16.82 dBm	Occ BW Channel	2.564770 GHz

TM3p1, 100 MHz, mid channel



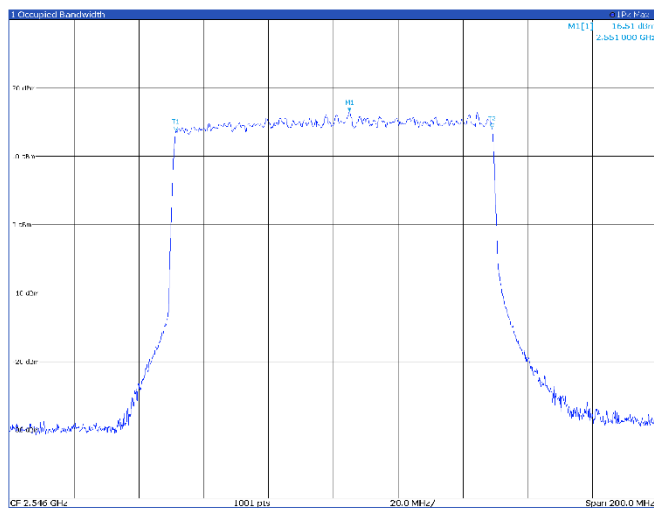
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.615 78 GHz	16.72 dBm	Occ Sw	97.490 279 446 MHz
M2	1		2.544 240 GHz	14.07 dBm	Occ Sw	97.490 279 446 MHz
M3	1		2.587 700 GHz	14.07 dBm	Occ Sw	97.490 279 446 MHz

TM3p1, 100 MHz, high channel



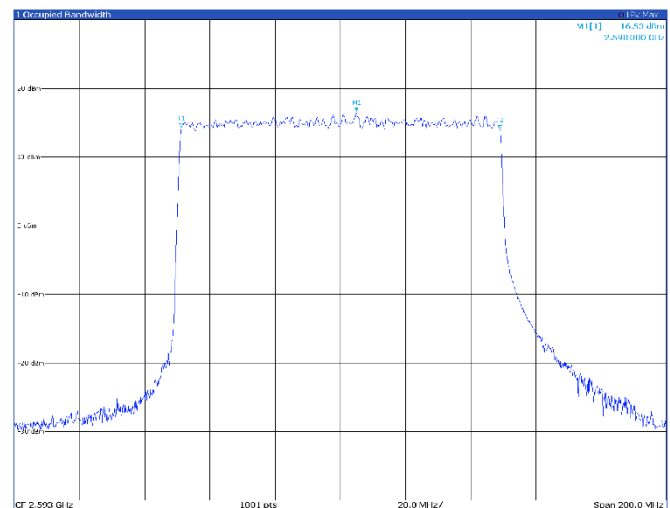
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.662 78 GHz	16.26 dBm	Occ Sw	97.504 365 122 MHz
M2	1		2.590 250 GHz	13.92 dBm	Occ Sw	97.504 365 122 MHz
M3	1		2.530 700 GHz	13.92 dBm	Occ Sw	97.504 365 122 MHz

TM3p1a, 100 MHz, low channel

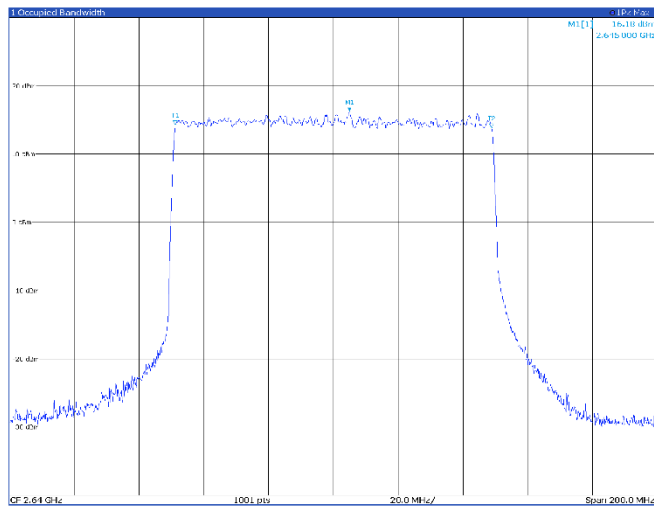


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.551 GHz	16.51 dBm	Occ Sw	97.493 690 607 MHz
M2	1		2.480 400 GHz	13.87 dBm	Occ Sw	97.493 690 607 MHz
M3	1		2.540 800 GHz	13.87 dBm	Occ Sw	97.493 690 607 MHz

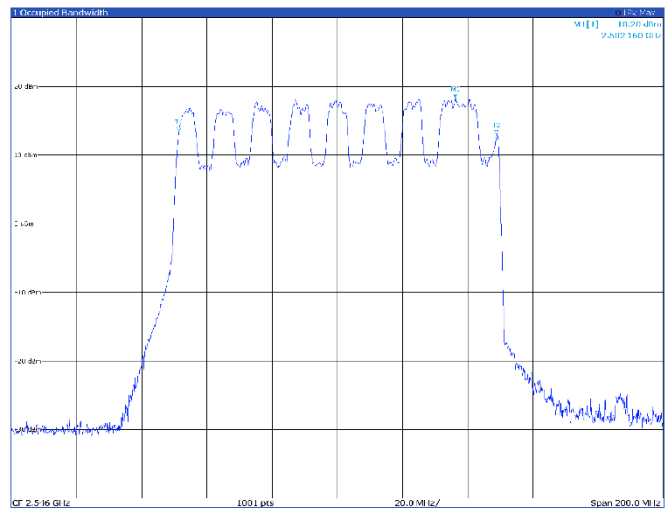
TM3p1a, 100 MHz, mid channel



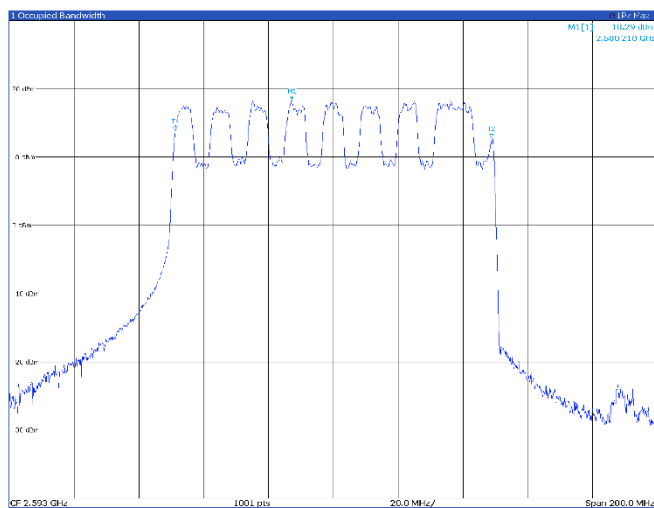
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.598 GHz	16.53 dBm	Occ Sw	97.615 984 331 MHz
M2	1		2.515 800 GHz	14.22 dBm	Occ Sw	97.615 984 331 MHz
M3	1		2.640 800 GHz	14.22 dBm	Occ Sw	97.615 984 331 MHz

TM3p1a, 100 MHz, high channel


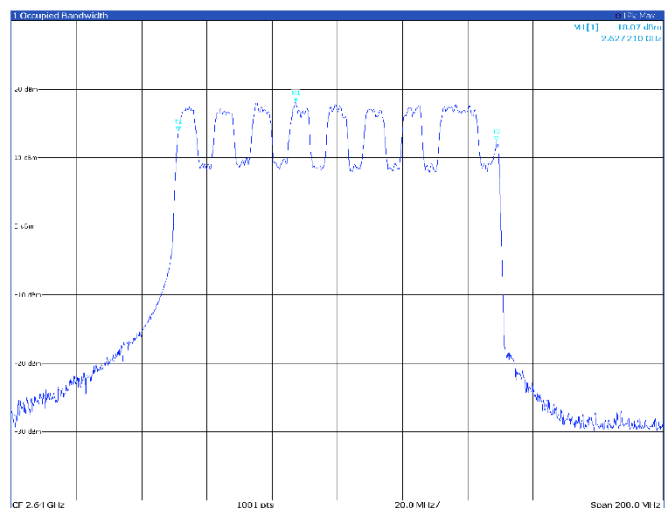
Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
P1	1		2.645 GHz	16.18 dBm	Occ. Set		97.584014328 MHz
P1	1		2.645 GHz	16.18 dBm	Occ. Set		97.584014328 MHz
P1	1		2.645 GHz	16.18 dBm	Occ. Set		97.584014328 MHz

TM3p3, 100 MHz, low channel


Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
P1	1		2.592 GHz	18.20 dBm	Occ. Set		97.457693928 MHz
P1	1		2.592 GHz	18.20 dBm	Occ. Set		97.457693928 MHz
P1	1		2.592 GHz	18.20 dBm	Occ. Set		97.457693928 MHz

TM3p3, 100 MHz, mid channel


Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
P1	1		2.589 GHz	18.29 dBm	Occ. Set		97.588725042 MHz
P1	1		2.589 GHz	18.29 dBm	Occ. Set		97.588725042 MHz
P1	1		2.589 GHz	18.29 dBm	Occ. Set		97.588725042 MHz

TM3p3, 100 MHz, high channel


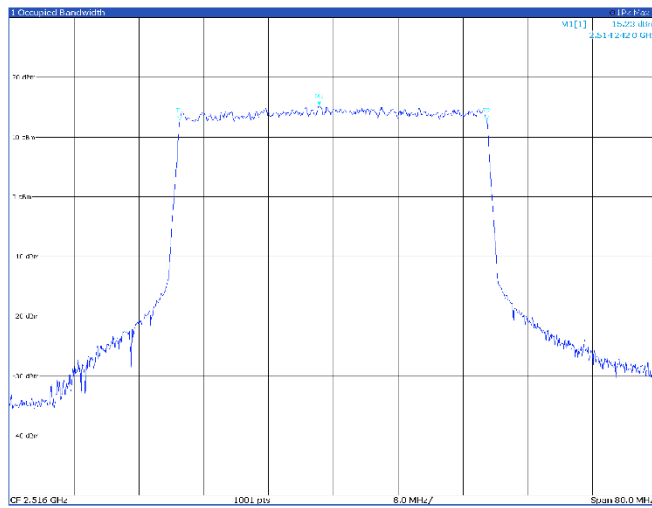
Type	Ref	Trc	X Value	Y Value	Occ. Set	Function	Function Result
P1	1		2.627 GHz	18.07 dBm	Occ. Set		97.566022342 MHz
P1	1		2.627 GHz	18.07 dBm	Occ. Set		97.566022342 MHz
P1	1		2.627 GHz	18.07 dBm	Occ. Set		97.566022342 MHz

Antenna port 2

Band n41

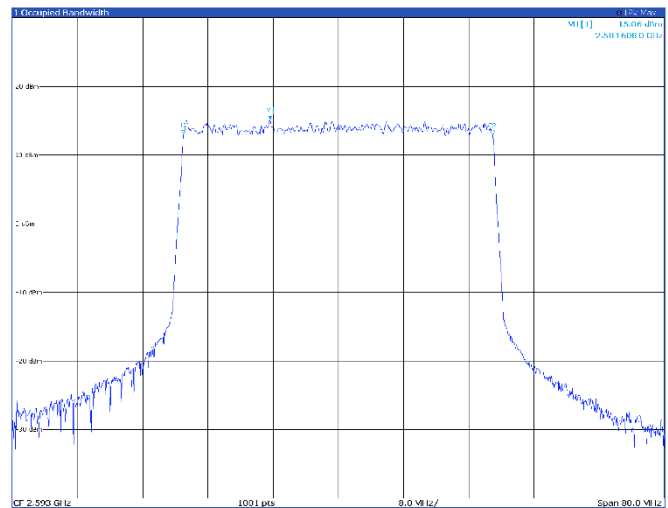
40 MHz

TM1.1, 40 MHz, low channel



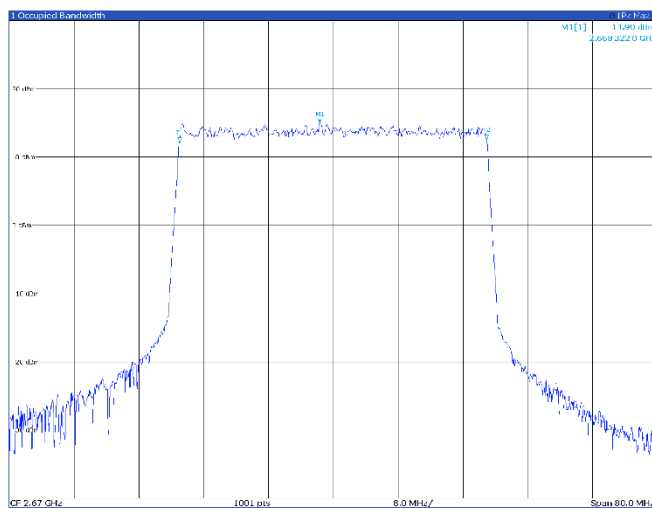
Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
1	1	2.514242 GHz	15.23 dBm			37.892436603 MHz
1	1	2.514242 GHz	12.70 dBm		Occ BW Control	2.514242 GHz
1	1	2.514242 GHz	12.70 dBm		Occ BW Integ Offset	2.514242 GHz

TM1.1, 40 MHz, mid channel



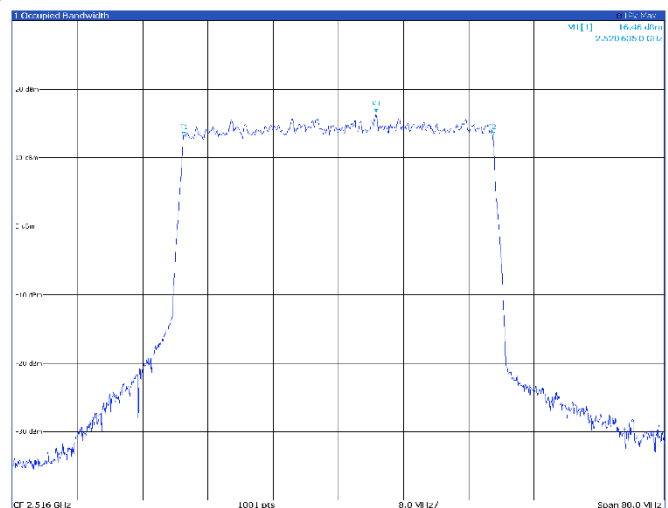
Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
1	1	2.584608 GHz	15.06 dBm			37.942179153 MHz
1	1	2.584608 GHz	12.93 dBm		Occ BW Control	2.584608 GHz
1	1	2.584608 GHz	12.93 dBm		Occ BW Integ Offset	2.584608 GHz

TM1.1, 40 MHz, high channel

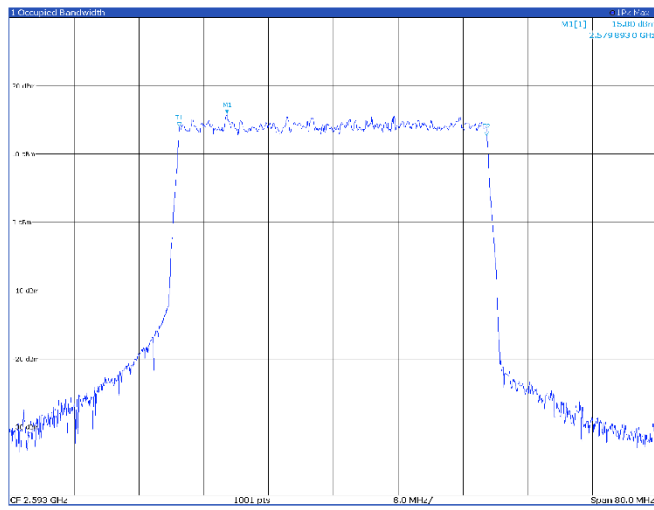


Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
1	1	2.668322 GHz	14.90 dBm			37.919129956 MHz
1	1	2.668322 GHz	12.10 dBm		Occ BW Control	2.668322 GHz
1	1	2.668322 GHz	12.10 dBm		Occ BW Integ Offset	2.668322 GHz

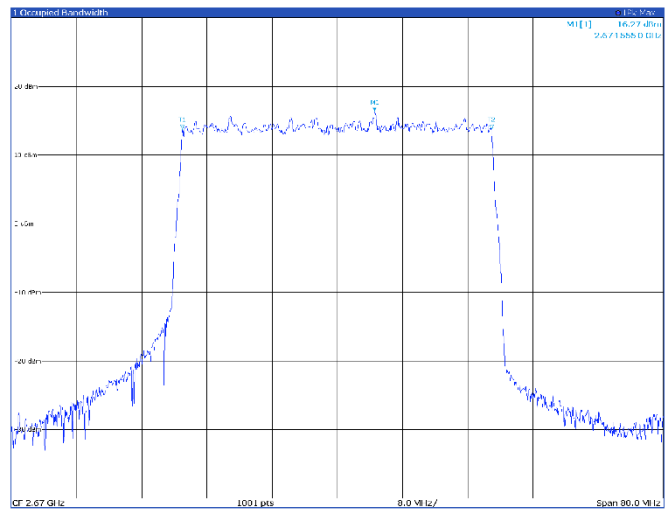
TM3p1, 40 MHz, low channel



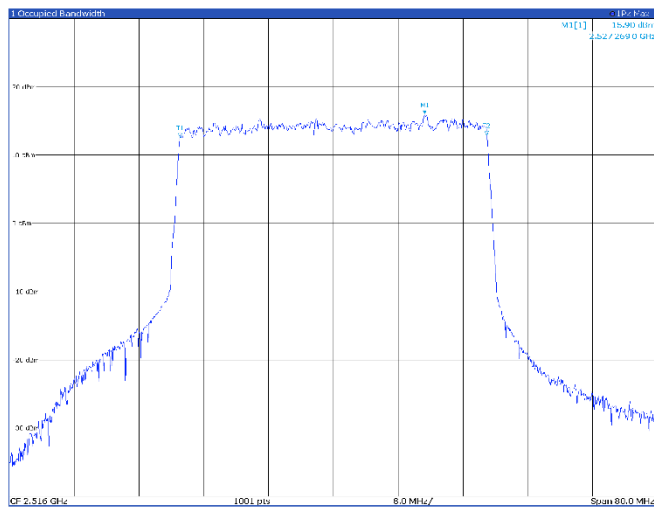
Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
1	1	2.520635 GHz	16.46 dBm			37.924009034 MHz
1	1	2.520635 GHz	13.11 dBm		Occ BW Control	2.520635 GHz
1	1	2.520635 GHz	13.11 dBm		Occ BW Integ Offset	2.520635 GHz

TM3p1, 40 MHz, mid channel


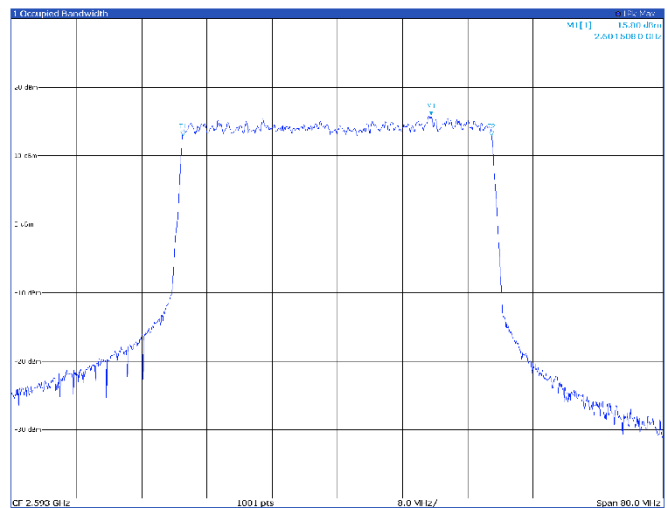
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		2.579 893 GHz	15.80 dBm	Corr Sw		37.948 311 497 MHz
F1	1		2.572 093 9 GHz	15.74 dBm	Corr Sw	Occupied Bandwidth	2.570 920 5 GHz
F2	1		2.587 893 GHz	15.74 dBm	Corr Sw	Occupied Bandwidth	2.589 062 5 GHz

TM3p1, 40 MHz, high channel


Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		2.674 555 GHz	16.27 dBm	Corr Sw		37.935 208 729 MHz
F1	1		2.657 957 5 GHz	15.72 dBm	Corr Sw	Occupied Bandwidth	2.659 532 105 GHz
F2	1		2.691 055 GHz	15.74 dBm	Corr Sw	Occupied Bandwidth	2.692 629 6 GHz

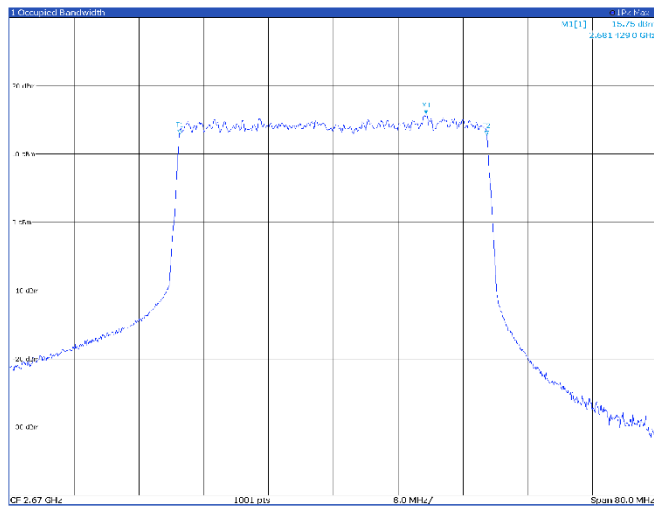
TM3p1a, 40 MHz, low channel


Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		2.527 269 GHz	15.90 dBm	Corr Sw		37.878 137 818 MHz
F1	1		2.497 099 9 GHz	15.74 dBm	Corr Sw	Occupied Bandwidth	2.515 960 295 GHz
F2	1		2.538 099 GHz	15.74 dBm	Corr Sw	Occupied Bandwidth	2.539 329 4 MHz

TM3p1a, 40 MHz, mid channel


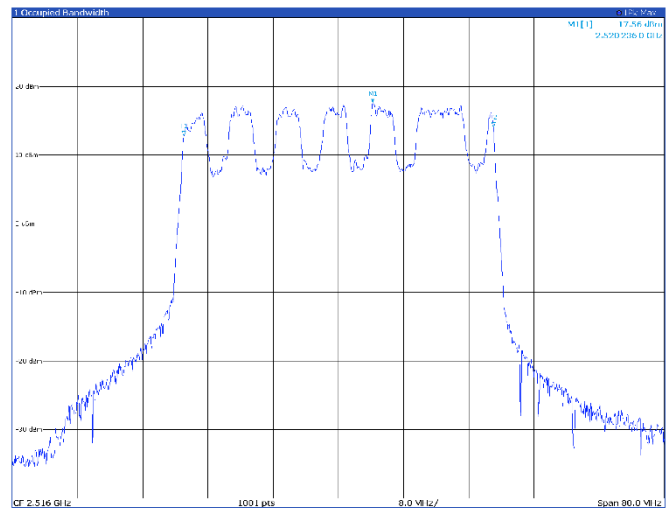
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1		2.592 797 GHz	15.80 dBm	Corr Sw		37.927 797 564 MHz
F1	1		2.571 077 9 GHz	15.72 dBm	Corr Sw	Occupied Bandwidth	2.592 297 774 GHz
F2	1		2.614 135 GHz	15.74 dBm	Corr Sw	Occupied Bandwidth	2.615 300 629 GHz

TM3p1a, 40 MHz, high channel



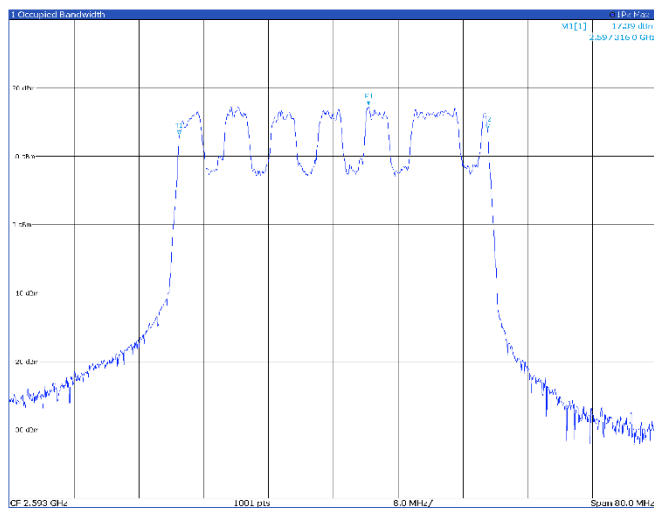
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.681429 GHz	15.75 dBm	Occ Sw	37.928632868 MHz
P1	1		2.681429 GHz	15.75 dBm	Occ Sw Control	2.681429 GHz
P1	1		2.681429 GHz	15.75 dBm	Occ Sw Offset	2.681429 GHz

TM3p3, 40 MHz, low channel



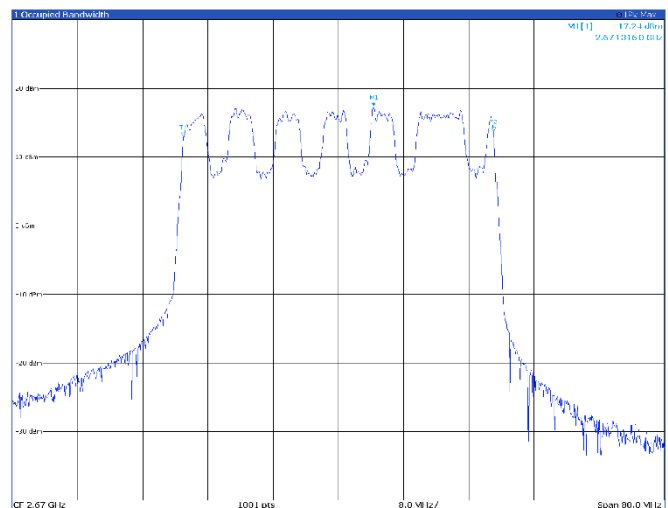
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.520236 GHz	17.56 dBm	Occ Sw	37.984483738 MHz
P1	1		2.520236 GHz	17.56 dBm	Occ Sw Control	2.520236 GHz
P1	1		2.520236 GHz	17.56 dBm	Occ Sw Offset	2.520236 GHz

TM3p3, 40 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.597316 GHz	17.59 dBm	Occ Sw	38.059432736 MHz
P1	1		2.597316 GHz	17.59 dBm	Occ Sw Control	2.597316 GHz
P1	1		2.597316 GHz	17.59 dBm	Occ Sw Offset	2.597316 GHz

TM3p3, 40 MHz, high channel

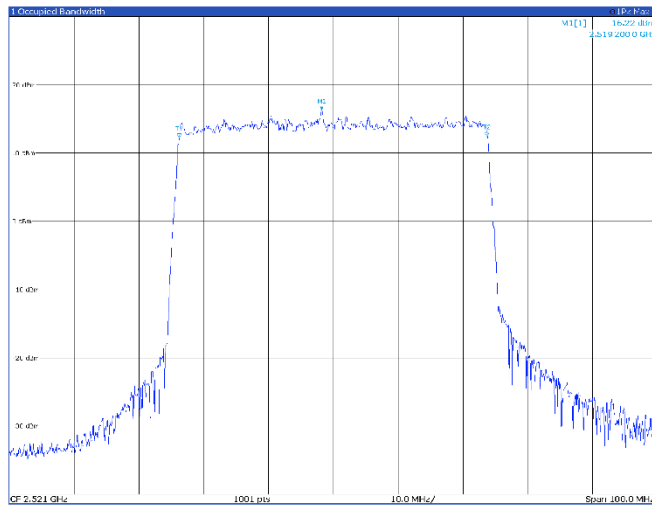


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.674316 GHz	17.24 dBm	Occ Sw	38.027721642 MHz
P1	1		2.674316 GHz	17.24 dBm	Occ Sw Control	2.674316 GHz
P1	1		2.674316 GHz	17.24 dBm	Occ Sw Offset	2.674316 GHz

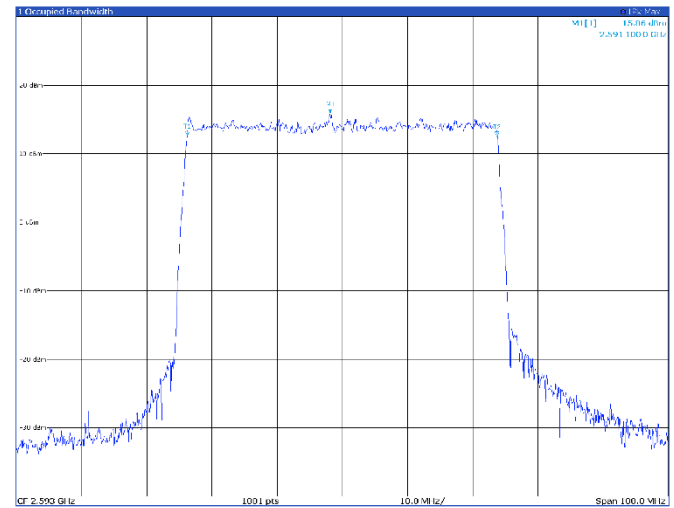
Band n41

50 MHz

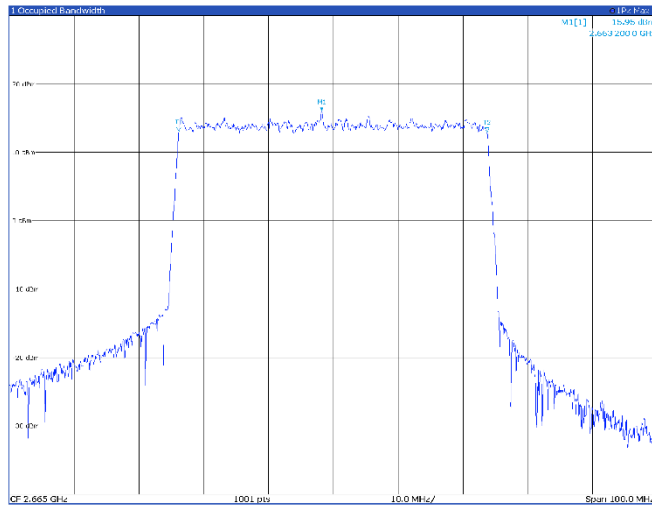
TM1.1, 50 MHz, low channel



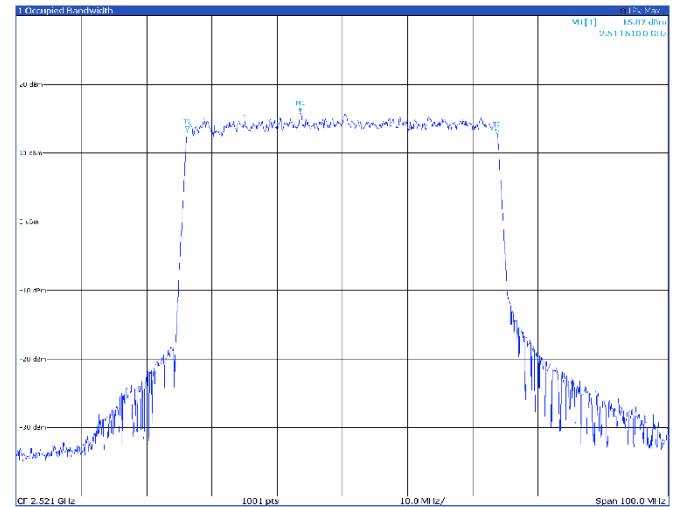
TM1.1, 50 MHz, mid channel



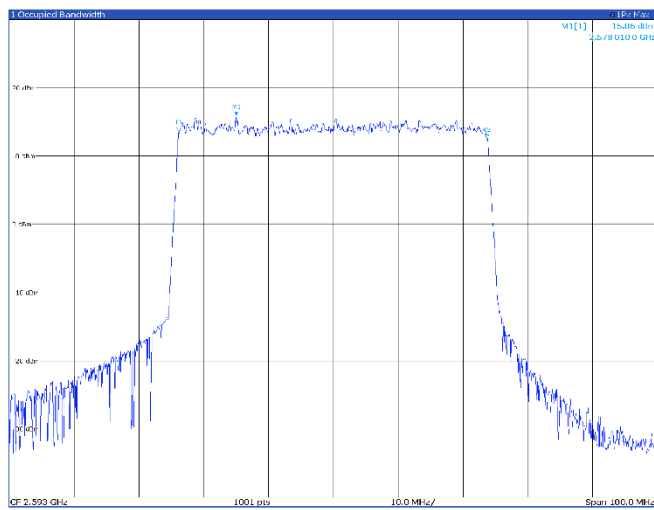
TM1.1, 50 MHz, high channel



TM3p1, 50 MHz, low channel

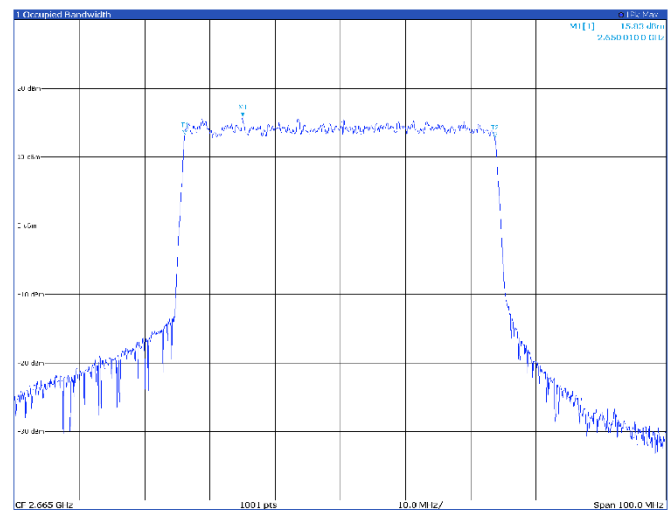


TM3p1, 50 MHz, mid channel



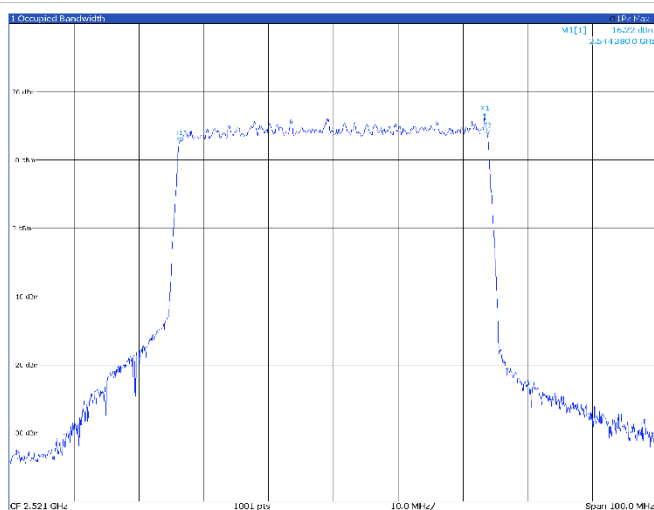
Marker	Ref	Freq	Power	Function	Function Result
M1	1	47.608685732 MHz	15.86 dBm	Occ 5w	47.608685732 MHz
M2	1	47.593 GHz	-30.00 dBm	Occ 5w	47.593 GHz
M3	1	47.624 GHz	-30.00 dBm	Occ 5w	47.624 GHz

TM3p1, 50 MHz, high channel



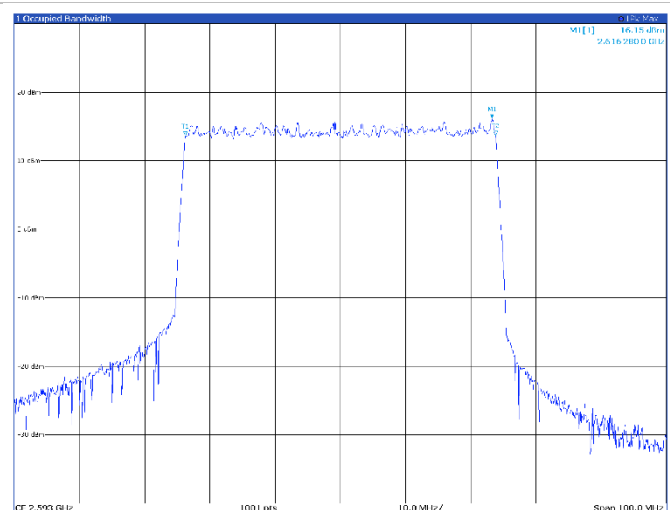
Marker	Ref	Freq	Power	Function	Function Result
M1	1	47.608685732 MHz	15.83 dBm	Occ 5w	47.608685732 MHz
M2	1	47.593 GHz	-30.00 dBm	Occ 5w	47.593 GHz
M3	1	47.624 GHz	-30.00 dBm	Occ 5w	47.624 GHz

TM3p1a, 50 MHz, low channel



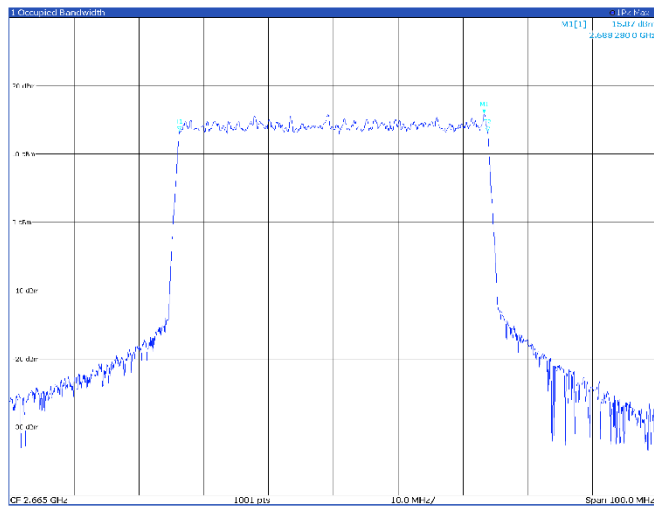
Marker	Ref	Freq	Power	Function	Function Result
M1	1	47.575089518 MHz	16.22 dBm	Occ 5w	47.575089518 MHz
M2	1	47.559 GHz	-30.00 dBm	Occ 5w	47.559 GHz
M3	1	47.591 GHz	-30.00 dBm	Occ 5w	47.591 GHz

TM3p1a, 50 MHz, mid channel



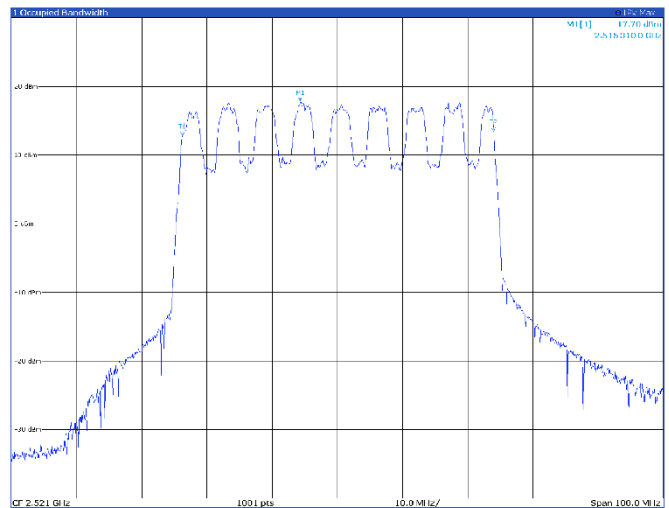
Marker	Ref	Freq	Power	Function	Function Result
M1	1	47.630135543 MHz	16.15 dBm	Occ 5w	47.630135543 MHz
M2	1	47.614 GHz	-30.00 dBm	Occ 5w	47.614 GHz
M3	1	47.646 GHz	-30.00 dBm	Occ 5w	47.646 GHz

TM3p1a, 50 MHz, high channel



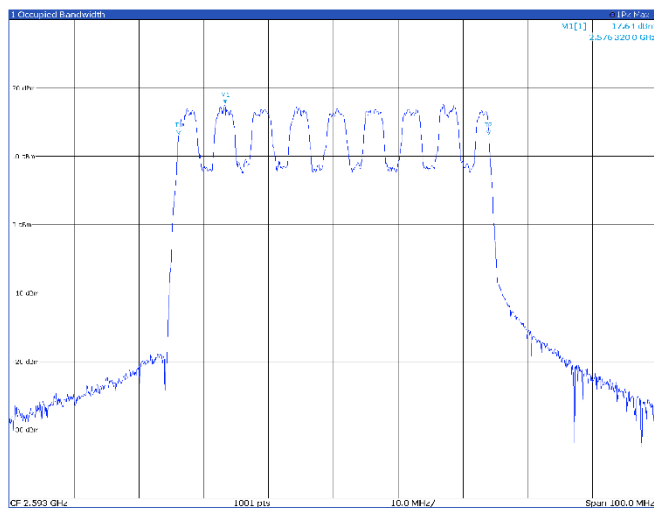
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.68828 GHz	15.87 dBm	Occ Sw	47.601240281 MHz
M2	1		2.6911964 GHz	15.42 dBm	Occ Sw	47.601240281 MHz
M3	1		2.6940676 GHz	15.32 dBm	Occ Sw	47.601240281 MHz

TM3p3, 50 MHz, low channel



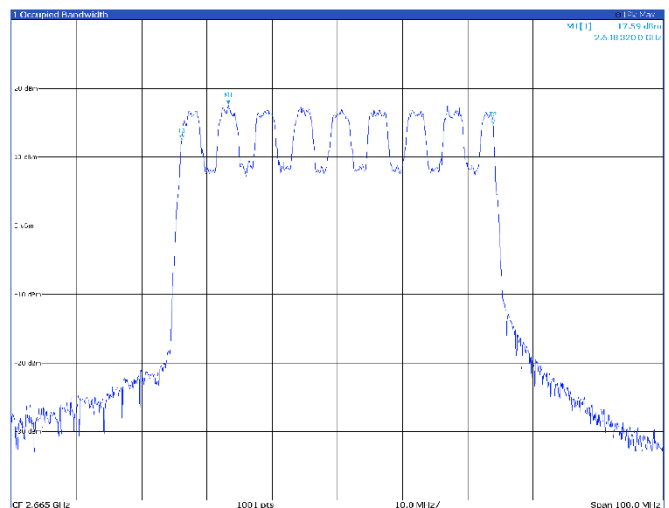
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.51531 GHz	17.70 dBm	Occ Sw	47.741255103 MHz
M2	1		2.517215 GHz	17.71 dBm	Occ Sw	47.741255103 MHz
M3	1		2.51912 GHz	17.72 dBm	Occ Sw	47.741255103 MHz

TM3p3, 50 MHz, mid channel



Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.57632 GHz	17.64 dBm	Occ Sw	47.808609538 MHz
M2	1		2.579199 GHz	17.21 dBm	Occ Sw	47.808609538 MHz
M3	1		2.582075 GHz	17.12 dBm	Occ Sw	47.808609538 MHz

TM3p3, 50 MHz, high channel

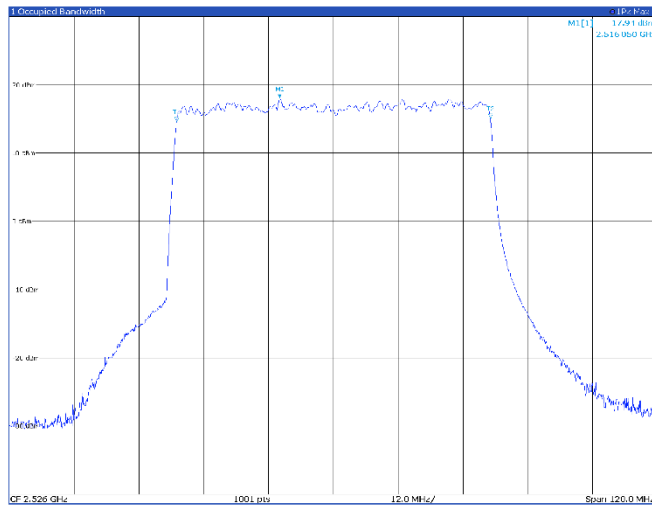


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.64832 GHz	17.59 dBm	Occ Sw	47.746843248 MHz
M2	1		2.651199 GHz	17.21 dBm	Occ Sw	47.746843248 MHz
M3	1		2.654075 GHz	17.12 dBm	Occ Sw	47.746843248 MHz

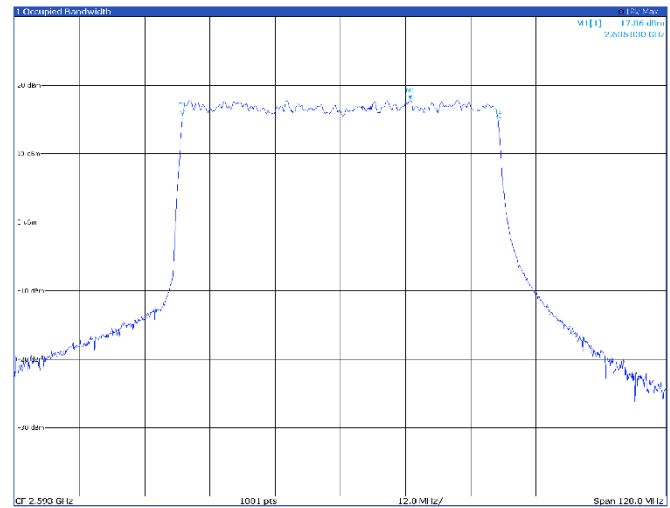
Band n41

60 MHz

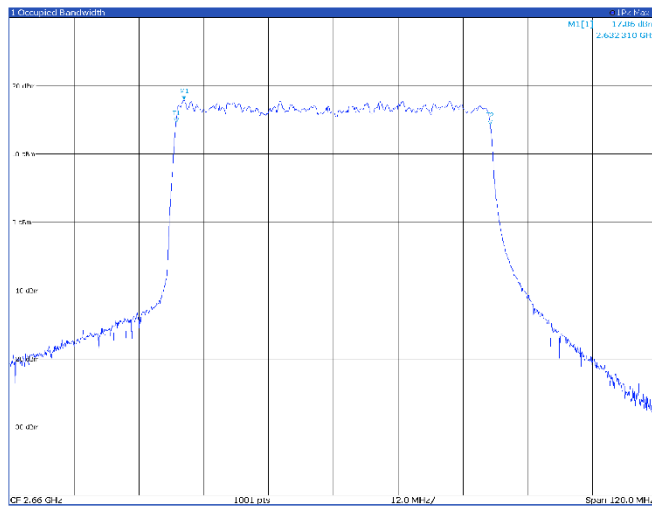
TM1.1, 60 MHz, low channel



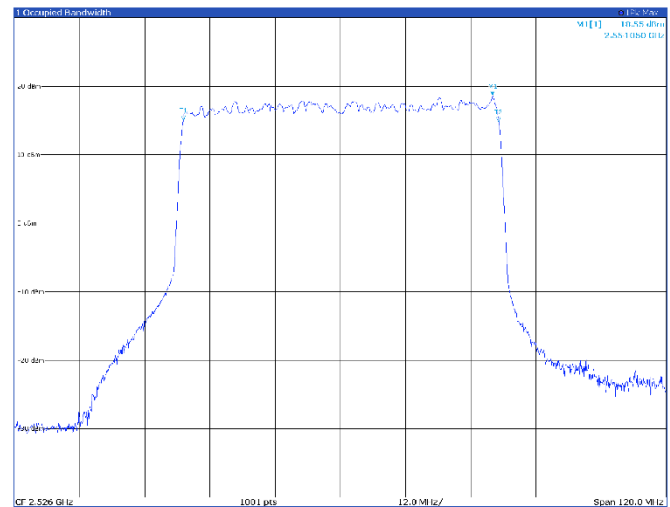
TM1.1, 60 MHz, mid channel



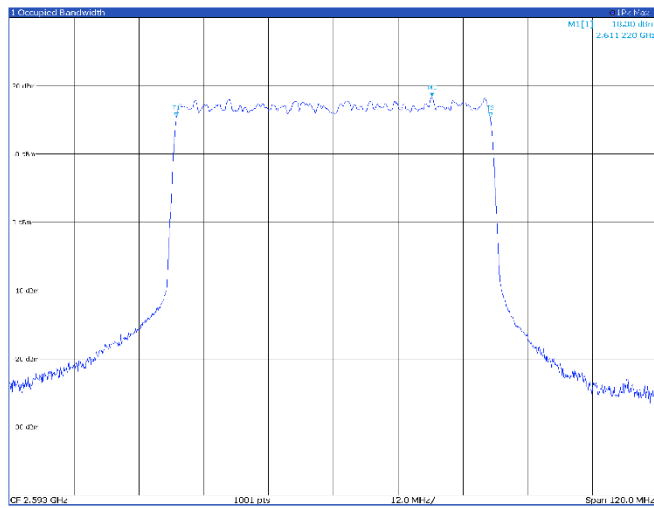
TM1.1, 60 MHz, high channel



TM3p1, 60 MHz, low channel

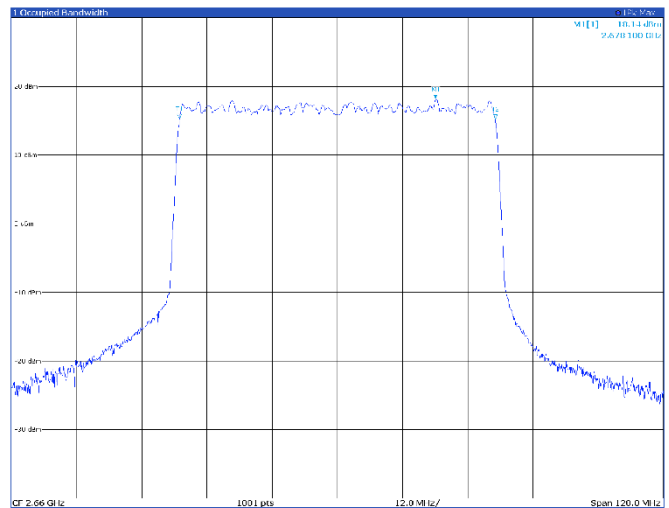


TM3p1, 60 MHz, mid channel



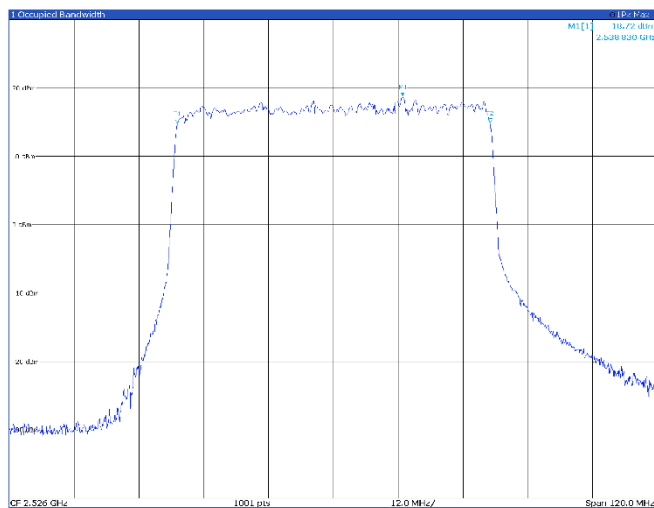
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.61122 GHz	18.30 dBm	Occ Sw	58.11336635 MHz
P1	1		2.593940 GHz	18.42 dBm	Occ Sw Channel	2.593940 GHz
P2	1		2.61122 GHz	18.42 dBm	Occ Sw Channel	2.61122 GHz

TM3p1, 60 MHz, high channel



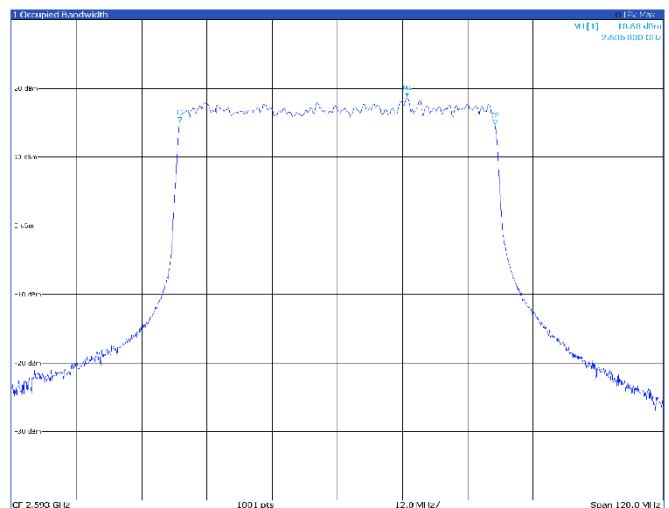
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.6781 GHz	18.14 dBm	Occ Sw	58.104620919 MHz
P1	1		2.66947 GHz	18.12 dBm	Occ Sw Channel	2.66947 GHz
P2	1		2.6781 GHz	18.12 dBm	Occ Sw Channel	2.6781 GHz

TM3p1a, 60 MHz, low channel



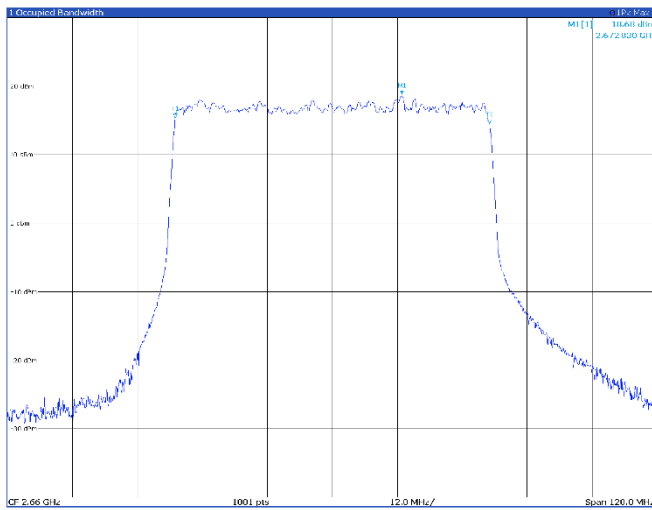
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.53883 GHz	18.72 dBm	Occ Sw	57.921815844 MHz
P1	1		2.497112 GHz	18.42 dBm	Occ Sw Channel	2.497112 GHz
P2	1		2.53883 GHz	18.42 dBm	Occ Sw Channel	2.53883 GHz

TM3p1a, 60 MHz, mid channel

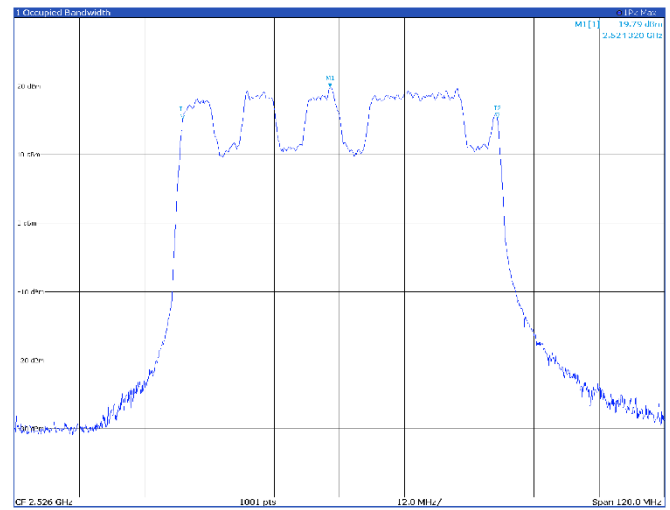


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.60583 GHz	18.68 dBm	Occ Sw	58.0124419 MHz
P1	1		2.599 GHz	18.42 dBm	Occ Sw Channel	2.599 GHz
P2	1		2.60583 GHz	18.42 dBm	Occ Sw Channel	2.60583 GHz

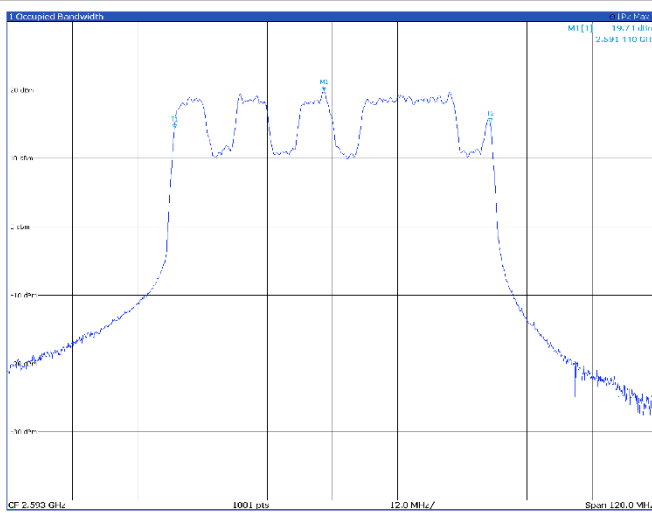
TM3p1a, 60 MHz, high channel



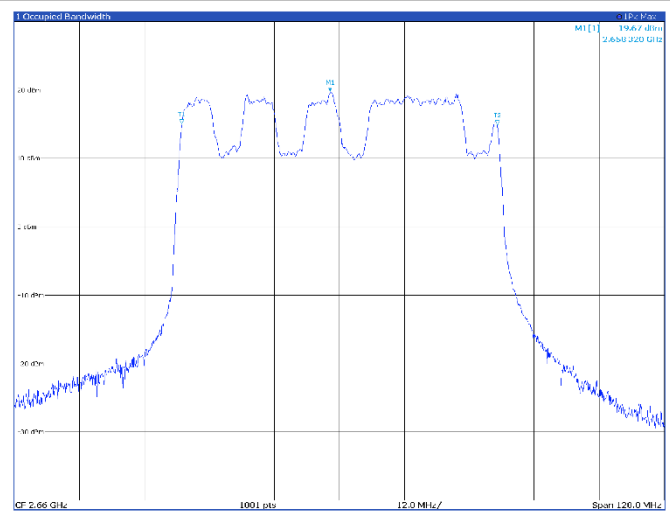
TM3p3, 60 MHz, low channel



TM3p3, 60 MHz, mid channel



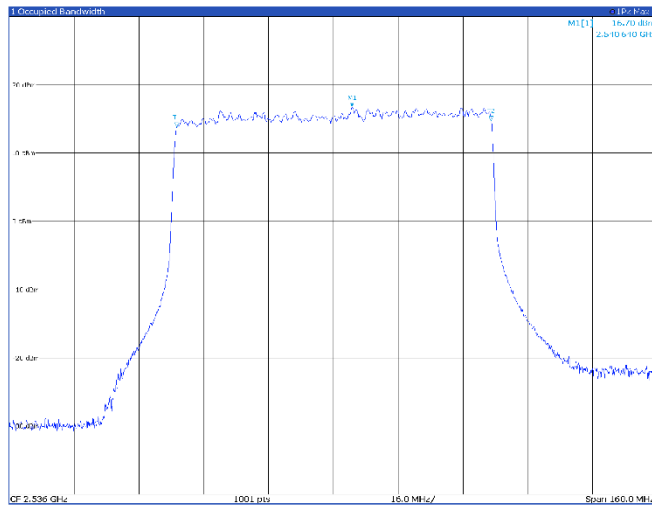
TM3p3, 60 MHz, high channel



Band n41

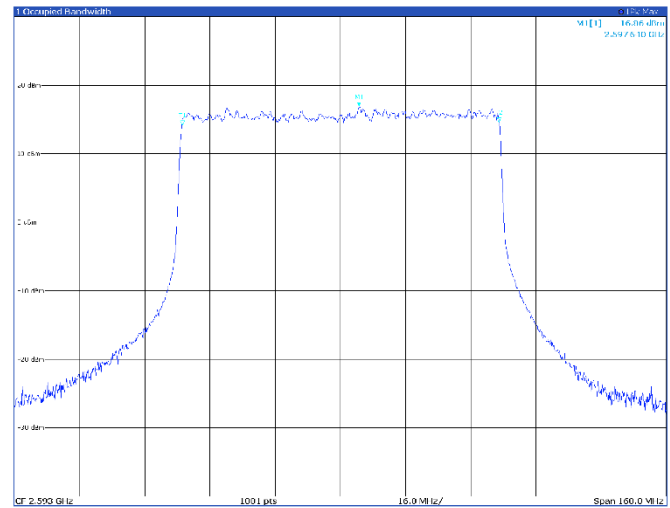
80 MHz

TM1.1, 80 MHz, low channel



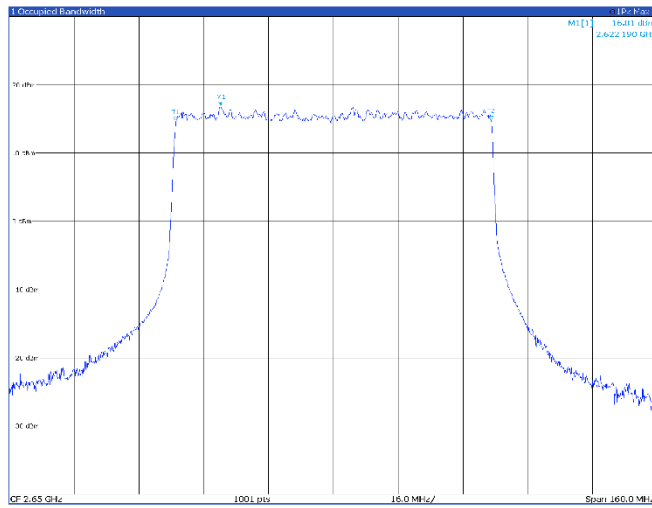
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.540 64 GHz	16.70 dBm	Occupied Bandwidth	77.650 046 362 MHz
M2	1		2.536 00 GHz	14.00 dBm	Occupied Bandwidth	2.536 000 000 GHz
M3	1		2.540 64 GHz	14.00 dBm	Occupied Bandwidth	2.540 640 000 GHz

TM1.1, 80 MHz, mid channel



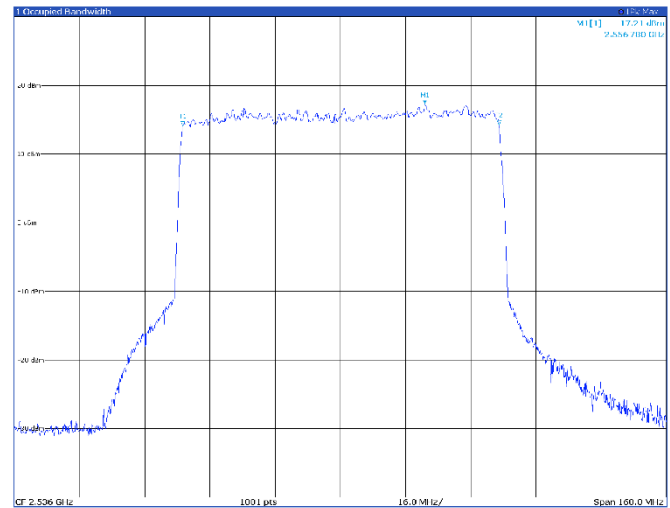
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.597 64 GHz	16.86 dBm	Occupied Bandwidth	77.742 412 222 MHz
M2	1		2.590 00 GHz	14.00 dBm	Occupied Bandwidth	2.590 000 000 GHz
M3	1		2.597 64 GHz	14.00 dBm	Occupied Bandwidth	2.597 640 000 GHz

TM1.1, 80 MHz, high channel



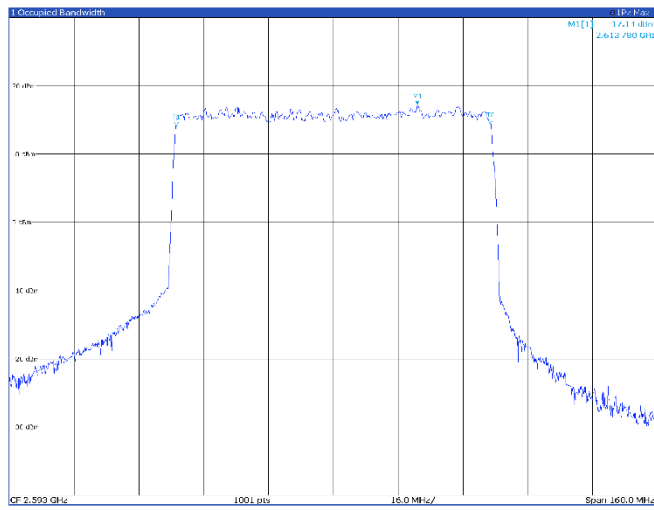
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.622 19 GHz	16.81 dBm	Occupied Bandwidth	77.765 656 417 MHz
M2	1		2.622 19 GHz	14.00 dBm	Occupied Bandwidth	2.622 190 000 GHz
M3	1		2.622 19 GHz	14.00 dBm	Occupied Bandwidth	2.622 190 000 GHz

TM3p1, 80 MHz, low channel



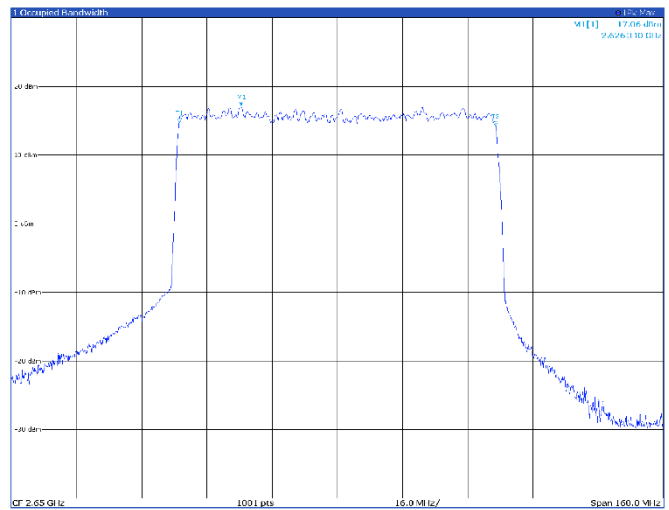
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.536 78 GHz	17.21 dBm	Occupied Bandwidth	77.553 004 999 MHz
M2	1		2.536 78 GHz	14.00 dBm	Occupied Bandwidth	2.536 780 000 GHz
M3	1		2.536 78 GHz	14.00 dBm	Occupied Bandwidth	2.536 780 000 GHz

TM3p1, 80 MHz, mid channel



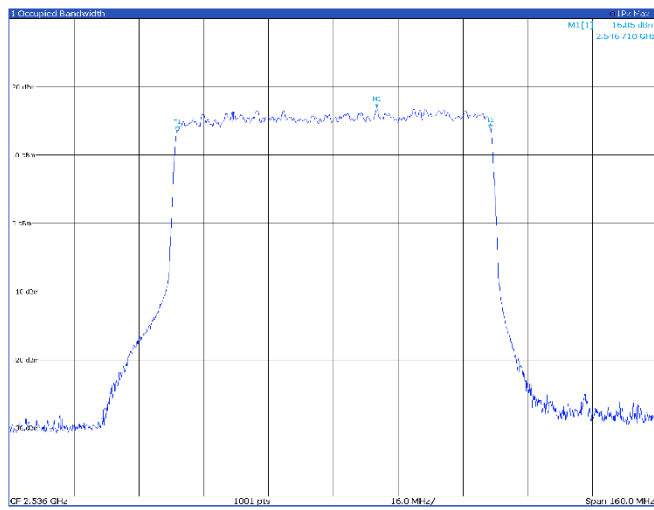
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.61378 GHz	17.14 dBm		Occ Sw	77.626027112 MHz
F1	1		2.594217 GHz	14.00 dBm		Occ Sw Channel	2.594217 GHz
F2	1		2.633084 GHz	13.00 dBm		Occ Sw Channel	2.633084 GHz

TM3p1, 80 MHz, high channel



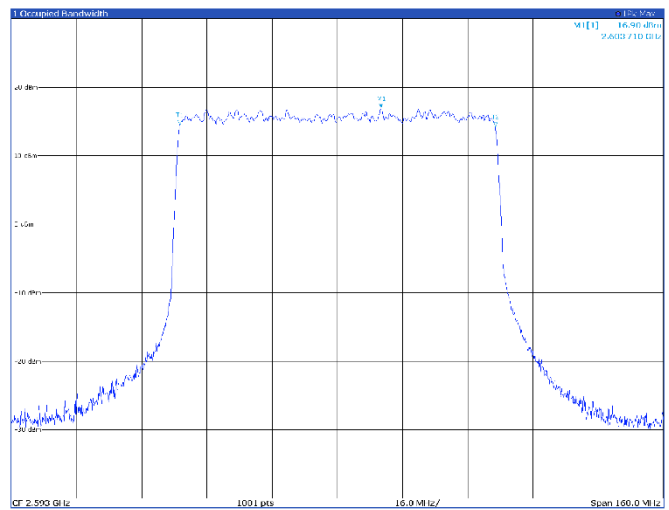
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.62634 GHz	17.06 dBm		Occ Sw	77.679403041 MHz
F1	1		2.611157 GHz	14.00 dBm		Occ Sw Channel	2.611157 GHz
F2	1		2.639527 GHz	14.00 dBm		Occ Sw Channel	2.639527 GHz

TM3p1a, 80 MHz, low channel



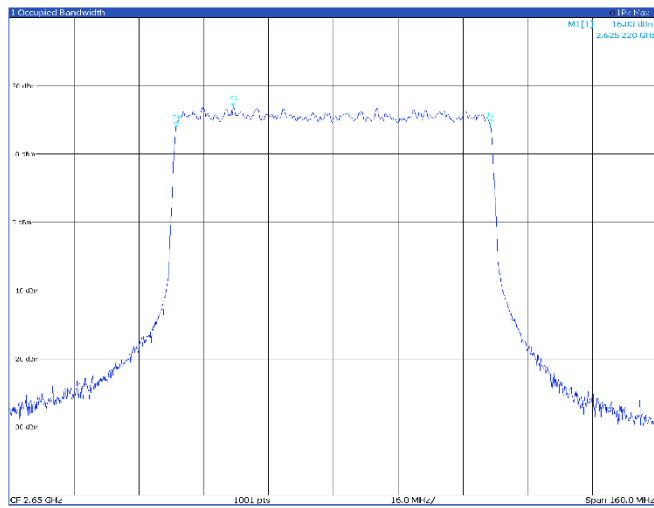
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.54671 GHz	16.85 dBm		Occ Sw	77.401055846 MHz
F1	1		2.497367 GHz	13.00 dBm		Occ Sw Channel	2.497367 GHz
F2	1		2.596054 GHz	13.00 dBm		Occ Sw Channel	2.596054 GHz

TM3p1a, 80 MHz, mid channel



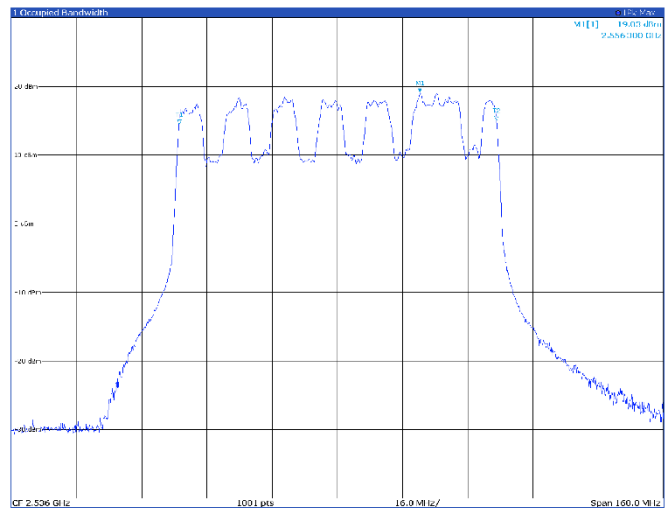
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1		2.60371 GHz	16.90 dBm		Occ Sw	77.481556051 MHz
F1	1		2.591276 GHz	14.00 dBm		Occ Sw Channel	2.591276 GHz
F2	1		2.616157 GHz	14.00 dBm		Occ Sw Channel	2.616157 GHz

TM3p1a, 80 MHz, high channel



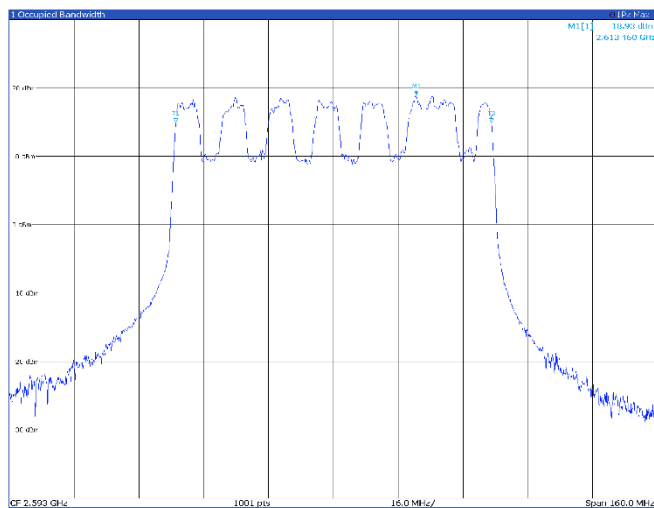
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.625 22 GHz	16.83 dBm	Occ Sw	77.519 936 73 MHz
P1	1		2.625 22 GHz	16.83 dBm	Occ Sw	77.519 936 73 MHz
P1	1		2.625 22 GHz	16.83 dBm	Occ Sw	77.519 936 73 MHz

TM3p3, 80 MHz, low channel



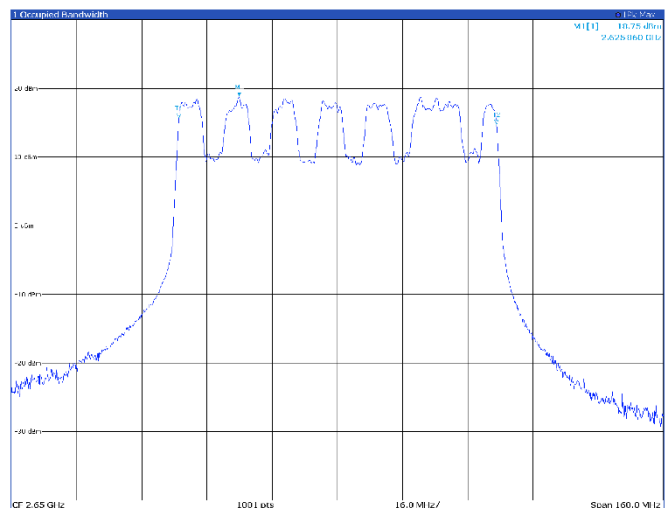
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.536 3 GHz	19.03 dBm	Occ Sw	77.635 035 285 MHz
P1	1		2.536 3 GHz	19.03 dBm	Occ Sw	77.635 035 285 MHz
P1	1		2.536 3 GHz	19.03 dBm	Occ Sw	77.635 035 285 MHz

TM3p3, 80 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.613 16 GHz	18.93 dBm	Occ Sw	77.688 670 248 MHz
P1	1		2.613 16 GHz	18.93 dBm	Occ Sw	77.688 670 248 MHz
P1	1		2.613 16 GHz	18.93 dBm	Occ Sw	77.688 670 248 MHz

TM3p3, 80 MHz, high channel

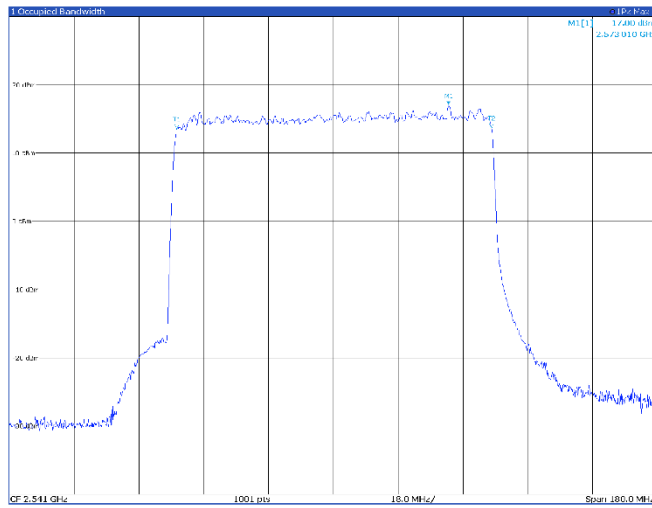


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.625 16 GHz	18.75 dBm	Occ Sw	77.922 125 528 MHz
P1	1		2.625 16 GHz	18.75 dBm	Occ Sw	77.922 125 528 MHz
P1	1		2.625 16 GHz	18.75 dBm	Occ Sw	77.922 125 528 MHz

Band n41

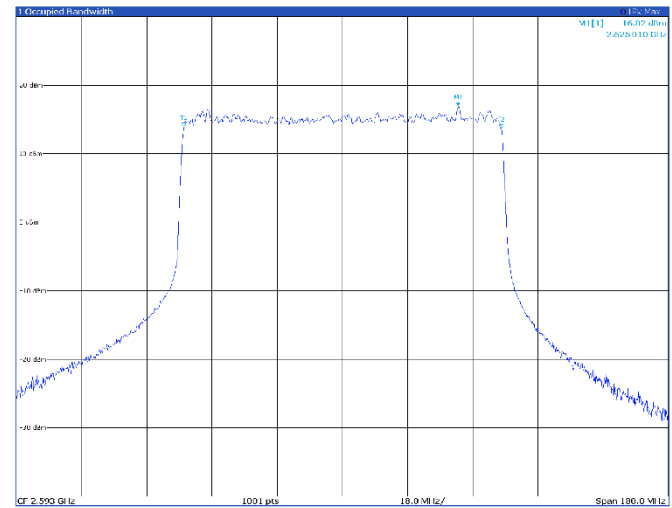
90 MHz

TM1.1, 90 MHz, low channel



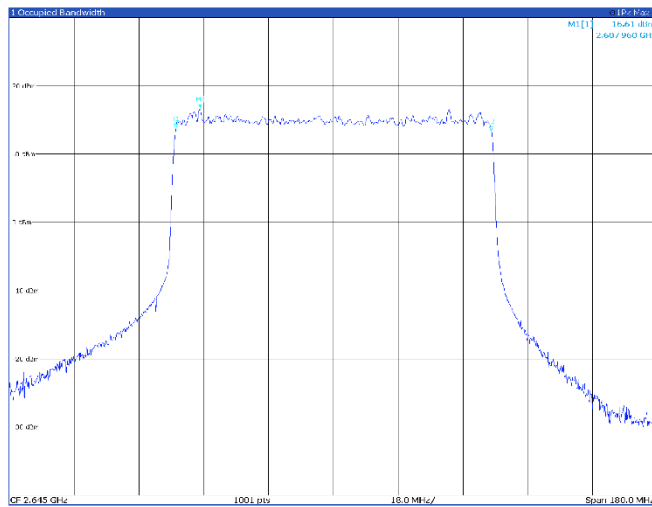
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.57301 GHz	17.00 dBm	Occ: SW	87.43758451 MHz
M1	1		2.57301 GHz	17.00 dBm	Occ: SW Channel	2.567220 GHz
M1	1		2.57301 GHz	17.00 dBm	Occ: SW -100 dBm Offset	2.579200 GHz

TM1.1, 90 MHz, mid channel



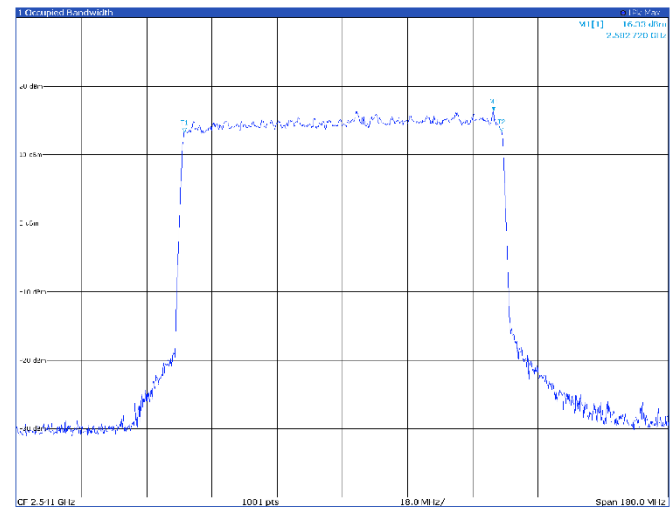
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.62501 GHz	16.82 dBm	Occ: SW	87.601103005 MHz
M1	1		2.62501 GHz	16.82 dBm	Occ: SW Channel	2.619220 GHz
M1	1		2.62501 GHz	16.82 dBm	Occ: SW -100 dBm Offset	2.631200 GHz

TM1.1, 90 MHz, high channel



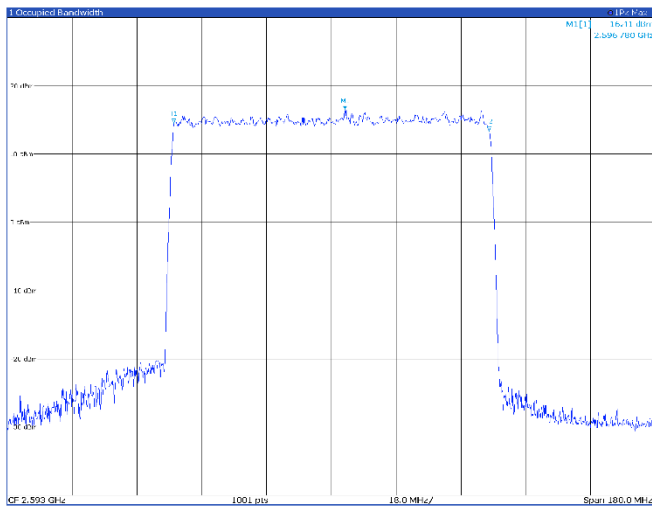
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.60796 GHz	16.61 dBm	Occ: SW	87.606841733 MHz
M1	1		2.60796 GHz	16.61 dBm	Occ: SW Channel	2.602220 GHz
M1	1		2.60796 GHz	16.61 dBm	Occ: SW -100 dBm Offset	2.614200 GHz

TM3p1, 90 MHz, low channel



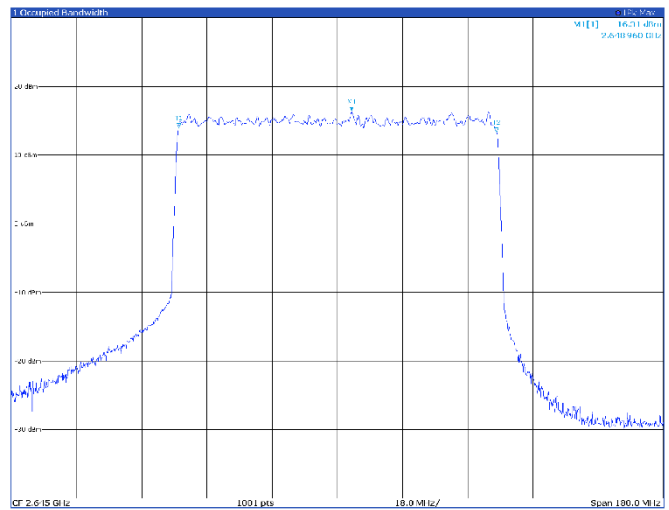
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.58272 GHz	16.33 dBm	Occ: SW	87.537357624 MHz
M1	1		2.58272 GHz	16.33 dBm	Occ: SW Channel	2.577220 GHz
M1	1		2.58272 GHz	16.33 dBm	Occ: SW -100 dBm Offset	2.588200 GHz

TM3p1, 90 MHz, mid channel



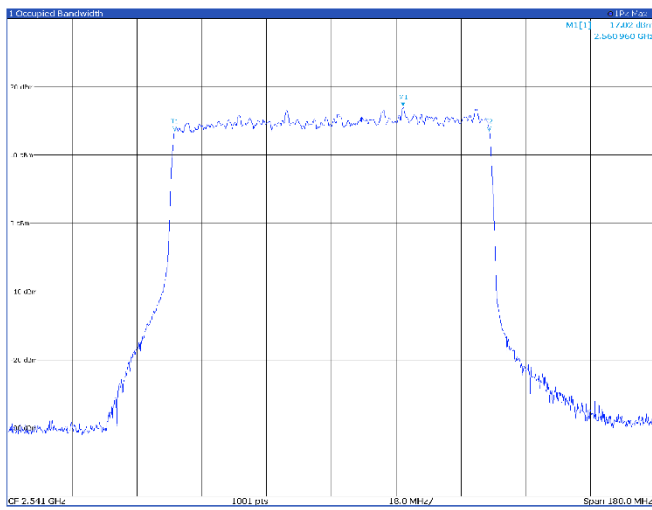
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.596 78 GHz	16.41 dBm	Occ Sw	87.565 544 609 MHz
P1	1		2.596 78 GHz	16.41 dBm	Occ Sw	87.565 544 609 MHz
P2	1		2.596 78 GHz	16.41 dBm	Occ Sw	87.565 544 609 MHz

TM3p1, 90 MHz, high channel



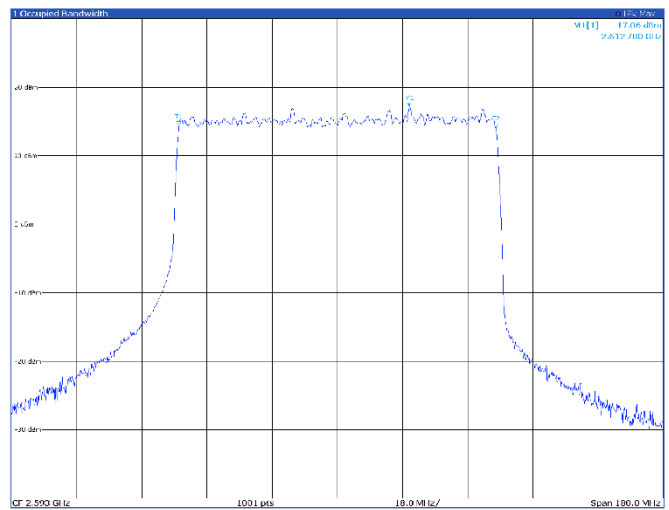
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.648 96 GHz	16.31 dBm	Occ Sw	87.697 653 117 MHz
P1	1		2.648 96 GHz	16.31 dBm	Occ Sw	87.697 653 117 MHz
P2	1		2.648 96 GHz	16.31 dBm	Occ Sw	87.697 653 117 MHz

TM3p1a, 90 MHz, low channel



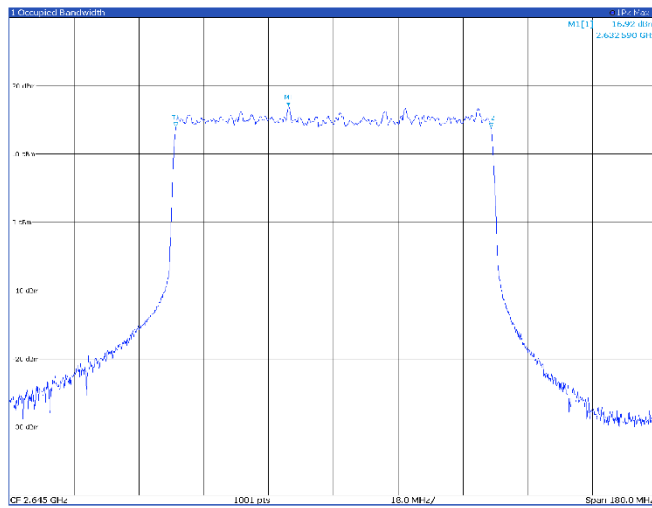
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.560 96 GHz	17.02 dBm	Occ Sw	87.353 186 111 MHz
P1	1		2.560 96 GHz	17.02 dBm	Occ Sw	87.353 186 111 MHz
P2	1		2.560 96 GHz	17.02 dBm	Occ Sw	87.353 186 111 MHz

TM3p1a, 90 MHz, mid channel



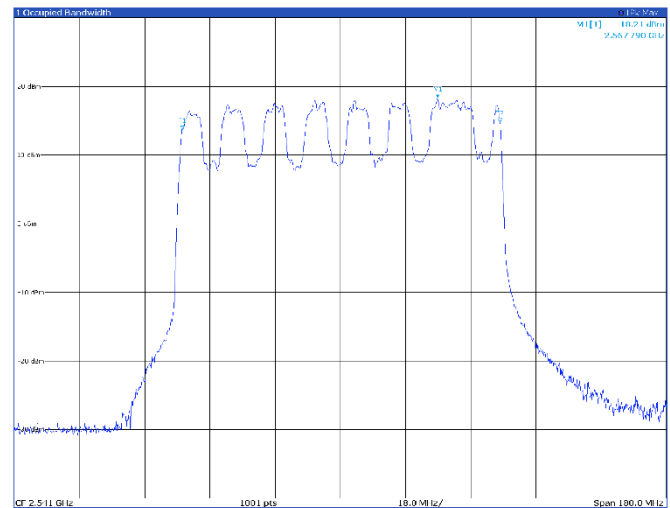
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.612 78 GHz	17.06 dBm	Occ Sw	87.474 305 015 MHz
P1	1		2.612 78 GHz	17.06 dBm	Occ Sw	87.474 305 015 MHz
P2	1		2.612 78 GHz	17.06 dBm	Occ Sw	87.474 305 015 MHz

TM3p1a, 90 MHz, high channel



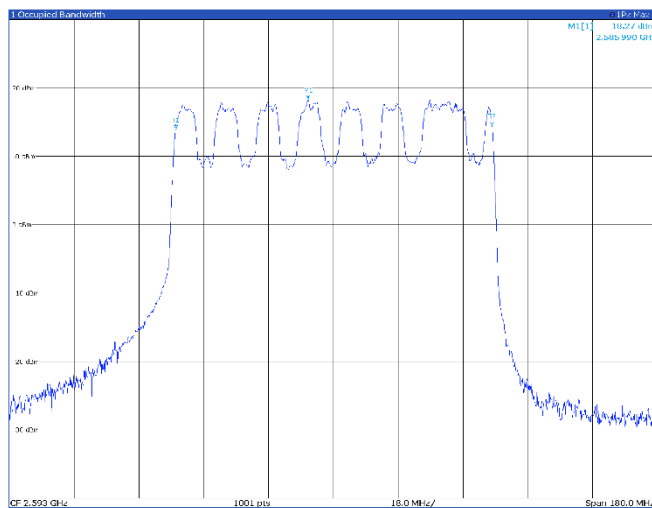
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.632 59 GHz	16.92 dBm	Occ Sw	87.485 197 12 MHz
P1	1		2.545 271 GHz	13.75 dBm	Occ Sw Control	2.545 013 200 GHz
P2	1		2.632 59 GHz	16.92 dBm	Occ Sw Control	2.632 590 GHz

TM3p3, 90 MHz, low channel



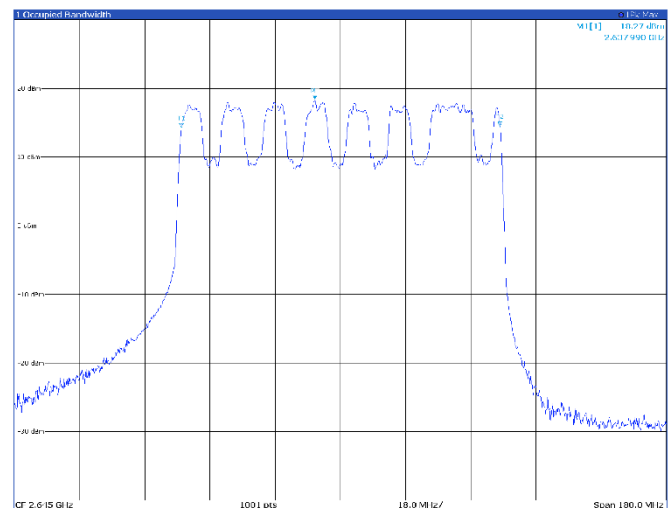
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.567 79 GHz	18.21 dBm	Occ Sw	87.721 465 629 MHz
P1	1		2.497 521 GHz	13.61 dBm	Occ Sw Control	2.511 101 559 GHz
P2	1		2.567 79 GHz	18.21 dBm	Occ Sw Control	2.567 790 GHz

TM3p3, 90 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.585 99 GHz	18.27 dBm	Occ Sw	87.802 414 359 MHz
P1	1		2.545 108 GHz	13.05 dBm	Occ Sw Control	2.550 069 467 GHz
P2	1		2.585 99 GHz	18.27 dBm	Occ Sw Control	2.585 990 GHz

TM3p3, 90 MHz, high channel

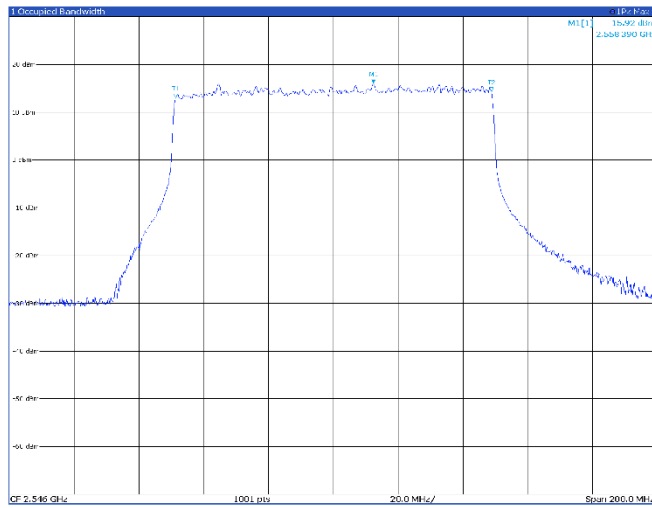


Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		2.637 99 GHz	18.27 dBm	Occ Sw	87.876 188 652 MHz
P1	1		2.603 121 GHz	13.42 dBm	Occ Sw Control	2.610 120 711 GHz
P2	1		2.637 99 GHz	18.27 dBm	Occ Sw Control	2.637 990 GHz

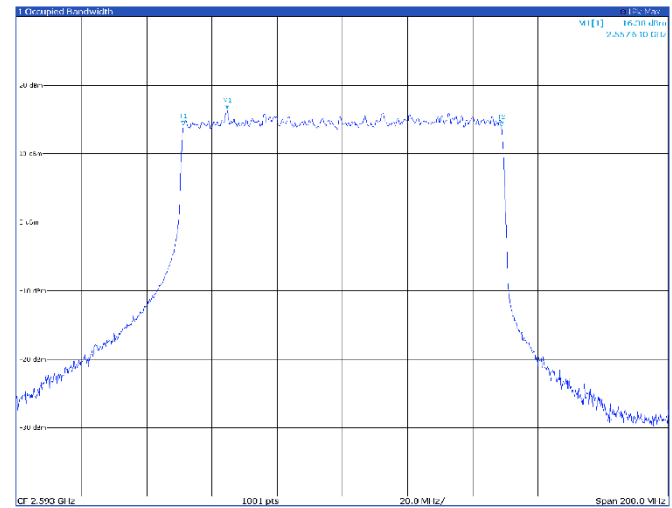
Band n41

100 MHz

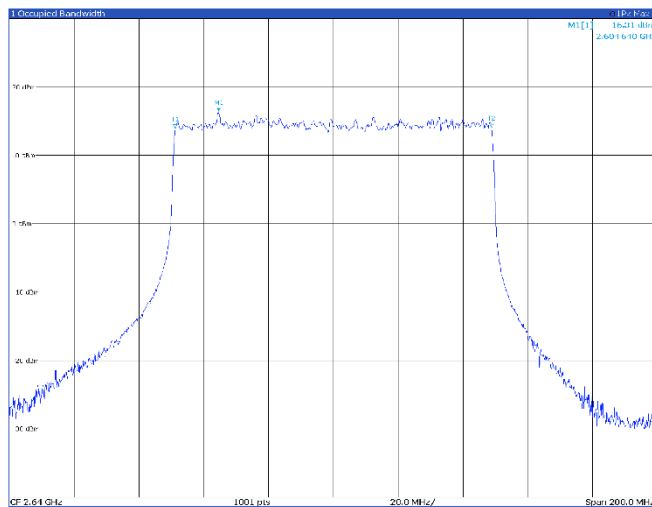
TM1.1, 100 MHz, low channel



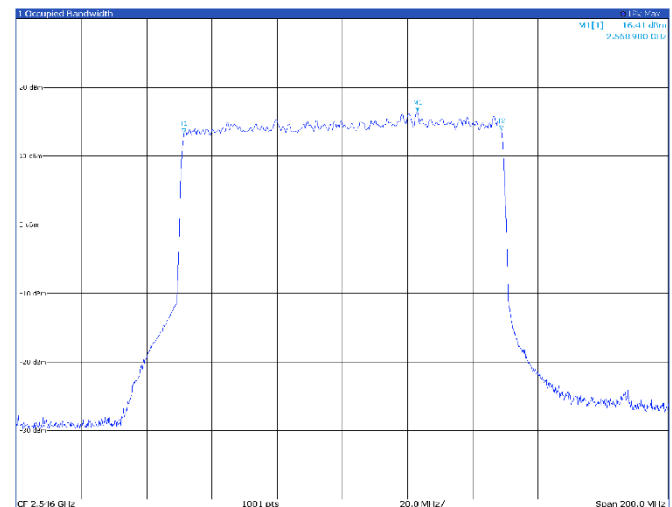
TM1.1, 100 MHz, mid channel



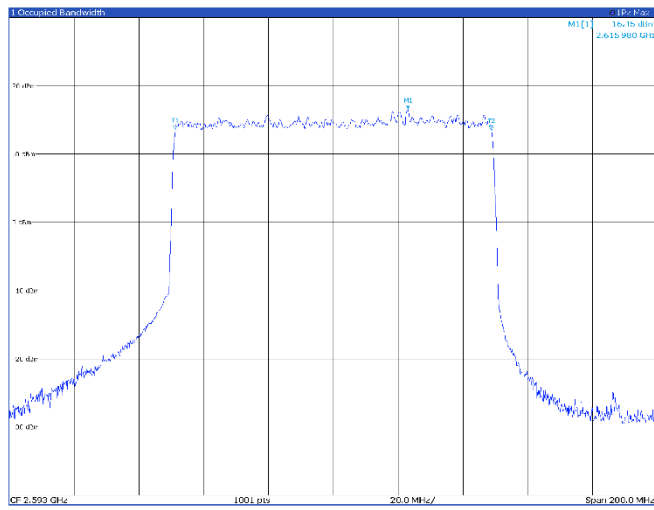
TM1.1, 100 MHz, high channel



TM3p1, 100 MHz, low channel

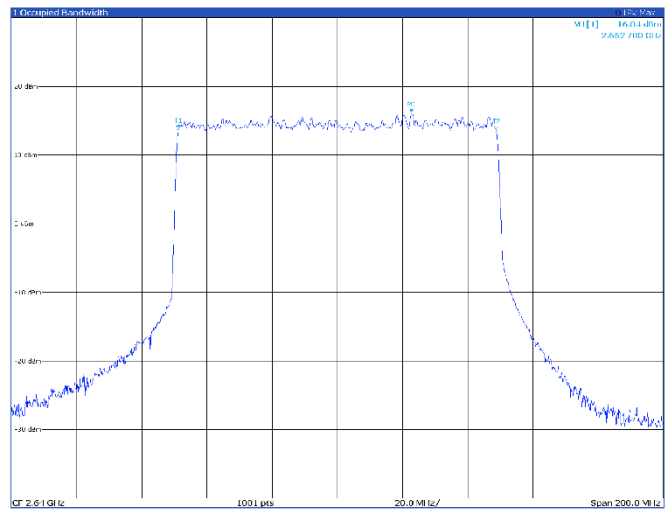


TM3p1, 100 MHz, mid channel



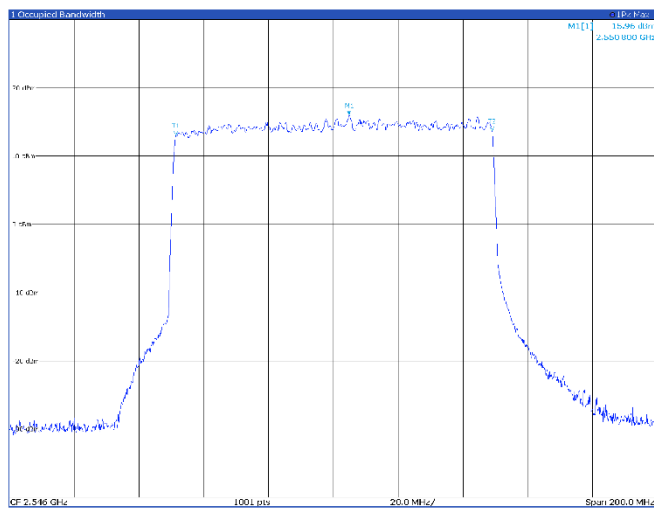
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.61598 GHz	16.45 dBm	Occ Sw	97.464615427 MHz
M2	1		2.544270 GHz	13.36 dBm	Occ Sw Channel 1	2.550907445 GHz
M3	1		2.64130 GHz	13.36 dBm	Occ Sw Channel 2	2.638027553 GHz

TM3p1, 100 MHz, high channel



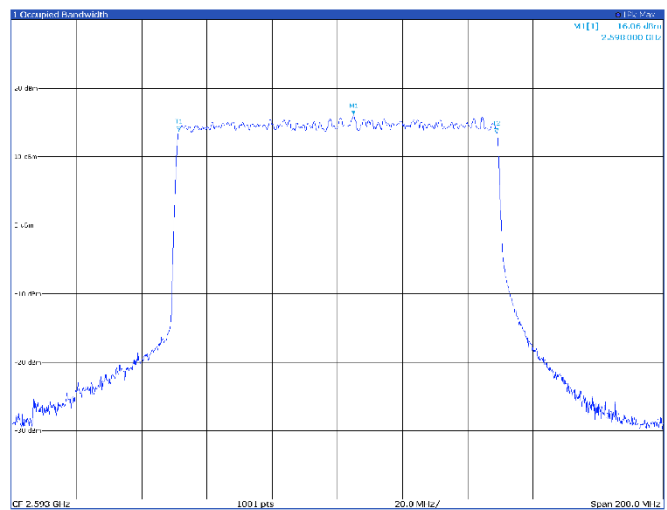
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.66278 GHz	16.04 dBm	Occ Sw	97.508876108 MHz
M2	1		2.590257 GHz	13.61 dBm	Occ Sw Channel 1	2.59600105 GHz
M3	1		2.730775 GHz	13.51 dBm	Occ Sw Channel 2	2.726994071 GHz

TM3p1a, 100 MHz, low channel

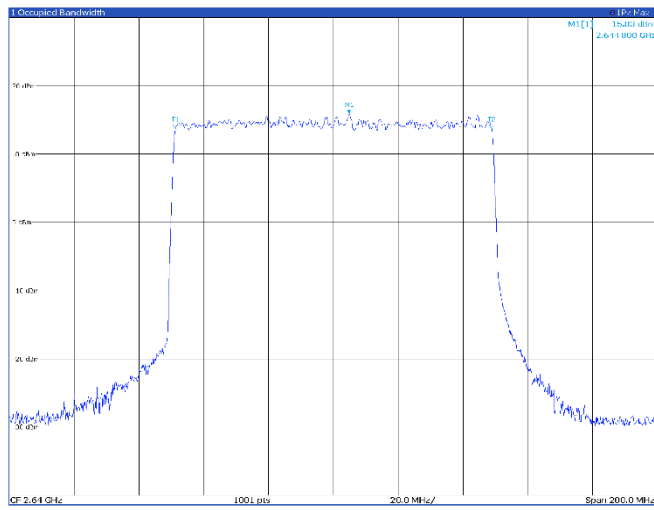


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.5508 GHz	15.96 dBm	Occ Sw	97.499264329 MHz
M2	1		2.494822 GHz	13.04 dBm	Occ Sw Channel 1	2.49613021 GHz
M3	1		2.644803 GHz	13.66 dBm	Occ Sw Channel 2	2.642686801 MHz

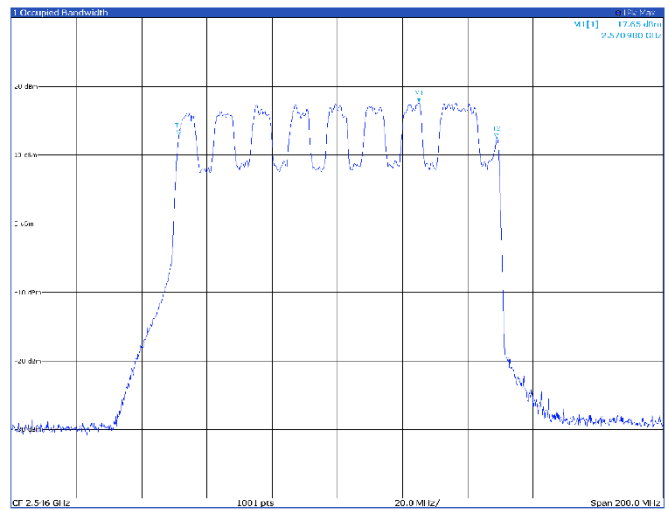
TM3p1a, 100 MHz, mid channel



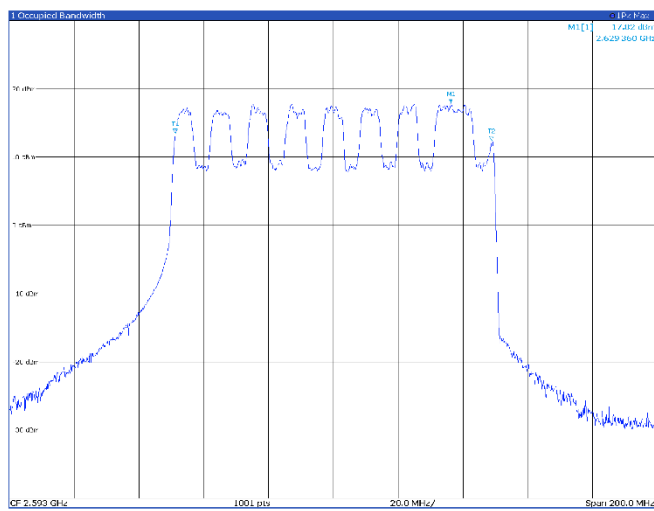
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.598 GHz	16.06 dBm	Occ Sw	97.56699165 MHz
M2	1		2.51226 GHz	13.75 dBm	Occ Sw Channel 1	2.50909921 GHz
M3	1		2.64335 GHz	13.49 dBm	Occ Sw Channel 2	2.64028553 GHz

TM3p1a, 100 MHz, high channel


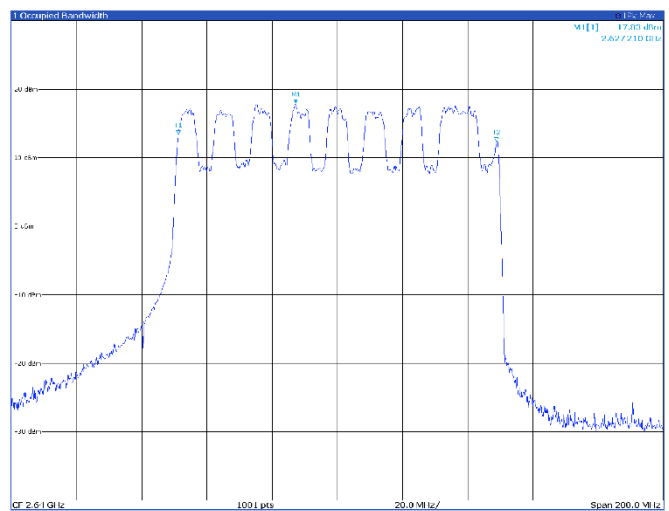
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.6448 GHz	15.83 dBm	Occ: SW	97.581345533 MHz
M1	1		2.595234 GHz	14.66 dBm	Occ: SW Channel 1	2.595234 GHz
M2	1		2.595234 GHz	13.51 dBm	Occ: SW Channel 2	2.595234 GHz

TM3p3, 100 MHz, low channel


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.57098 GHz	17.65 dBm	Occ: SW	97.463911027 MHz
M1	1		2.59731 GHz	12.67 dBm	Occ: SW Channel 1	2.59731 GHz
M2	1		2.594146 GHz	13.41 dBm	Occ: SW Channel 2	2.594146 GHz

TM3p3, 100 MHz, mid channel


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.62936 GHz	17.82 dBm	Occ: SW	97.595188519 MHz
M1	1		2.594234 GHz	14.66 dBm	Occ: SW Channel 1	2.594234 GHz
M2	1		2.595234 GHz	13.51 dBm	Occ: SW Channel 2	2.595234 GHz

TM3p3, 100 MHz, high channel


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.62721 GHz	17.83 dBm	Occ: SW	97.580283842 MHz
M1	1		2.597215 GHz	12.31 dBm	Occ: SW Channel 1	2.597215 GHz
M2	1		2.595234 GHz	13.51 dBm	Occ: SW Channel 2	2.595234 GHz

8.3 FCC §27.53(h)(3) 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	October 16, 2024	Temperature	22 °C
Test end date	November 27, 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 n41: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM1.1	2516.0	40.36
n41	40 MHz	TM1.1	2593.0	40.36
n41	40 MHz	TM1.1	2670.0	40.36

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM3p1	2516.0	40.44
n41	40 MHz	TM3p1	2593.0	40.52
n41	40 MHz	TM3p1	2670.0	40.36

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM3p1a	2516.0	40.36
n41	40 MHz	TM3p1a	2593.0	40.76
n41	40 MHz	TM3p1a	2670.0	40.36

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM3p3	2516.0	40.20
n41	40 MHz	TM3p3	2593.0	40.44
n41	40 MHz	TM3p3	2670.0	40.44

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM1.1	2521.0	50.55
n41	50 MHz	TM1.1	2593.0	50.55
n41	50 MHz	TM1.1	2665.0	50.45

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM3p1	2521.0	50.45
n41	50 MHz	TM3p1	2593.0	50.45
n41	50 MHz	TM3p1	2665.0	50.55

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM3p1a	2521.0	50.35
n41	50 MHz	TM3p1a	2593.0	50.45
n41	50 MHz	TM3p1a	2665.0	50.45

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM3p3	2521.0	50.65
n41	50 MHz	TM3p3	2593.0	50.55
n41	50 MHz	TM3p3	2665.0	50.45

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM1.1	2526.0	63.66
n41	60 MHz	TM1.1	2593.0	65.33
n41	60 MHz	TM1.1	2660.0	64.98
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM3p1	2526.0	61.38
n41	60 MHz	TM3p1	2593.0	61.38
n41	60 MHz	TM3p1	2660.0	61.38
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM3p1a	2526.0	62.82
n41	60 MHz	TM3p1a	2593.0	62.82
n41	60 MHz	TM3p1a	2660.0	63.18
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM3p3	2526.0	61.74
n41	60 MHz	TM3p3	2593.0	62.34
n41	60 MHz	TM3p3	2660.0	61.74
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM1.1	2536.0	85.19
n41	80 MHz	TM1.1	2593.0	85.67
n41	80 MHz	TM1.1	2650.0	85.51
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM3p1	2536.0	81.52
n41	80 MHz	TM3p1	2593.0	81.84
n41	80 MHz	TM3p1	2650.0	82.00
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM3p1a	2536.0	82.48
n41	80 MHz	TM3p1a	2593.0	82.64
n41	80 MHz	TM3p1a	2650.0	83.44
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM3p3	2536.0	82.80
n41	80 MHz	TM3p3	2593.0	83.60
n41	80 MHz	TM3p3	2650.0	83.76

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM1.1	2541.0	92.61
n41	90 MHz	TM1.1	2593.0	93.15
n41	90 MHz	TM1.1	2645.0	93.15

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM3p1	2541.0	91.53
n41	90 MHz	TM3p1	2593.0	91.53
n41	90 MHz	TM3p1	2645.0	91.71

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM3p1a	2541.0	91.71
n41	90 MHz	TM3p1a	2593.0	94.59
n41	90 MHz	TM3p1a	2645.0	94.23

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM3p3	2541.0	92.07
n41	90 MHz	TM3p3	2593.0	92.25
n41	90 MHz	TM3p3	2645.0	92.43

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM1.1	2546.0	107.69
n41	100 MHz	TM1.1	2593.0	107.49
n41	100 MHz	TM1.1	2640.0	107.89

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM3p1	2546.0	101.30
n41	100 MHz	TM3p1	2593.0	102.70
n41	100 MHz	TM3p1	2640.0	103.90

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM3p1a	2546.0	102.30
n41	100 MHz	TM3p1a	2593.0	104.30
n41	100 MHz	TM3p1a	2640.0	102.30

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM3p3	2546.0	102.50
n41	100 MHz	TM3p3	2593.0	104.30
n41	100 MHz	TM3p3	2640.0	103.30

Band n41: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM1.1	2516.0	40.36
n41	40 MHz	TM1.1	2593.0	40.36
n41	40 MHz	TM1.1	2670.0	40.36

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM3p1	2516.0	40.36
n41	40 MHz	TM3p1	2593.0	40.36
n41	40 MHz	TM3p1	2670.0	40.36

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM3p1a	2516.0	40.36
n41	40 MHz	TM3p1a	2593.0	40.52
n41	40 MHz	TM3p1a	2670.0	40.84

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	40 MHz	TM3p3	2516.0	40.28
n41	40 MHz	TM3p3	2593.0	40.28
n41	40 MHz	TM3p3	2670.0	40.28

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM1.1	2521.0	50.55
n41	50 MHz	TM1.1	2593.0	50.55
n41	50 MHz	TM1.1	2665.0	50.55

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM3p1	2521.0	50.45
n41	50 MHz	TM3p1	2593.0	50.55
n41	50 MHz	TM3p1	2665.0	50.45

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM3p1a	2521.0	50.35
n41	50 MHz	TM3p1a	2593.0	50.45
n41	50 MHz	TM3p1a	2665.0	50.35

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	50 MHz	TM3p3	2521.0	50.35
n41	50 MHz	TM3p3	2593.0	50.55
n41	50 MHz	TM3p3	2665.0	50.45

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM1.1	2526.0	63.54
n41	60 MHz	TM1.1	2593.0	64.98
n41	60 MHz	TM1.1	2660.0	64.74

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM3p1	2526.0	61.38
n41	60 MHz	TM3p1	2593.0	61.38
n41	60 MHz	TM3p1	2660.0	61.38

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM3p1a	2526.0	62.58
n41	60 MHz	TM3p1a	2593.0	63.42
n41	60 MHz	TM3p1a	2660.0	62.58

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	60 MHz	TM3p3	2526.0	61.86
n41	60 MHz	TM3p3	2593.0	63.06
n41	60 MHz	TM3p3	2660.0	61.98

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM1.1	2536.0	85.03
n41	80 MHz	TM1.1	2593.0	85.03
n41	80 MHz	TM1.1	2650.0	85.03

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM3p1	2536.0	81.52
n41	80 MHz	TM3p1	2593.0	81.68
n41	80 MHz	TM3p1	2650.0	81.68

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM3p1a	2536.0	81.84
n41	80 MHz	TM3p1a	2593.0	82.16
n41	80 MHz	TM3p1a	2650.0	82.64

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	80 MHz	TM3p3	2536.0	82.80
n41	80 MHz	TM3p3	2593.0	83.44
n41	80 MHz	TM3p3	2650.0	83.76

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM1.1	2541.0	92.61
n41	90 MHz	TM1.1	2593.0	94.23
n41	90 MHz	TM1.1	2645.0	94.77

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM3p1	2541.0	91.53
n41	90 MHz	TM3p1	2593.0	91.53
n41	90 MHz	TM3p1	2645.0	91.71

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM3p1a	2541.0	92.25
n41	90 MHz	TM3p1a	2593.0	93.51
n41	90 MHz	TM3p1a	2645.0	92.61

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	90 MHz	TM3p3	2541.0	91.89
n41	90 MHz	TM3p3	2593.0	92.07
n41	90 MHz	TM3p3	2645.0	92.25

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM1.1	2546.0	107.49
n41	100 MHz	TM1.1	2593.0	107.29
n41	100 MHz	TM1.1	2640.0	107.89

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM3p1	2546.0	101.30
n41	100 MHz	TM3p1	2593.0	101.50
n41	100 MHz	TM3p1	2640.0	103.90

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM3p1a	2546.0	103.10
n41	100 MHz	TM3p1a	2593.0	103.50
n41	100 MHz	TM3p1a	2640.0	102.10

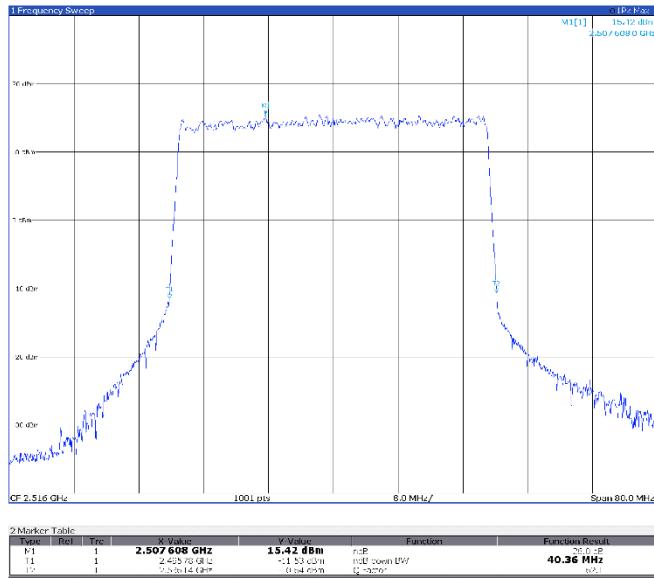
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n41	100 MHz	TM3p3	2546.0	102.70
n41	100 MHz	TM3p3	2593.0	104.70
n41	100 MHz	TM3p3	2640.0	103.70

Antenna port 1

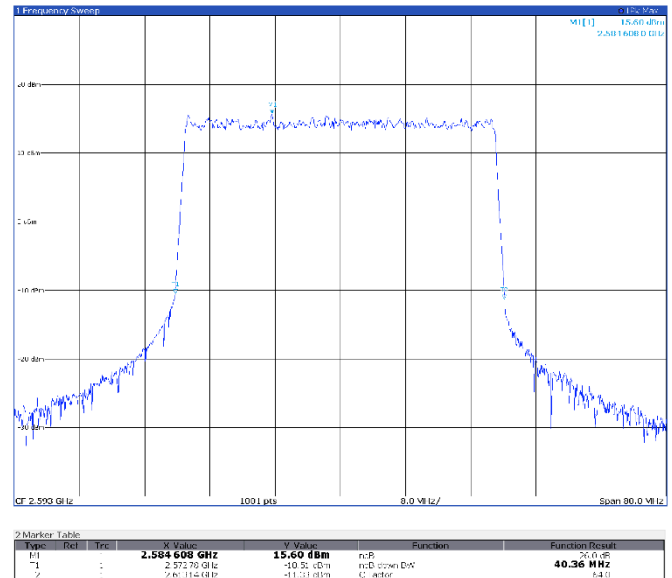
Band n41

40 MHz

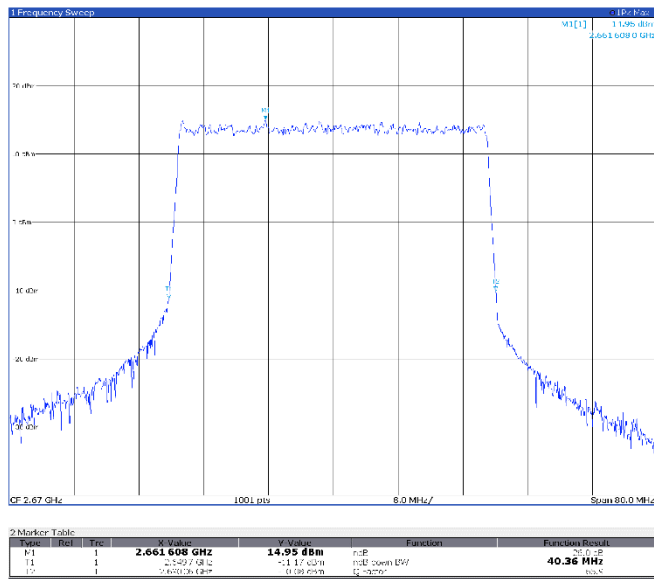
TM1.1, 40 MHz, low channel



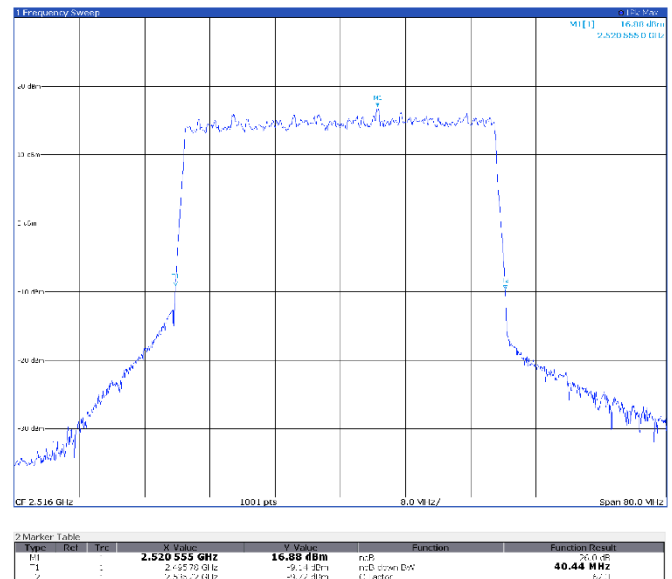
TM1.1, 40 MHz, mid channel



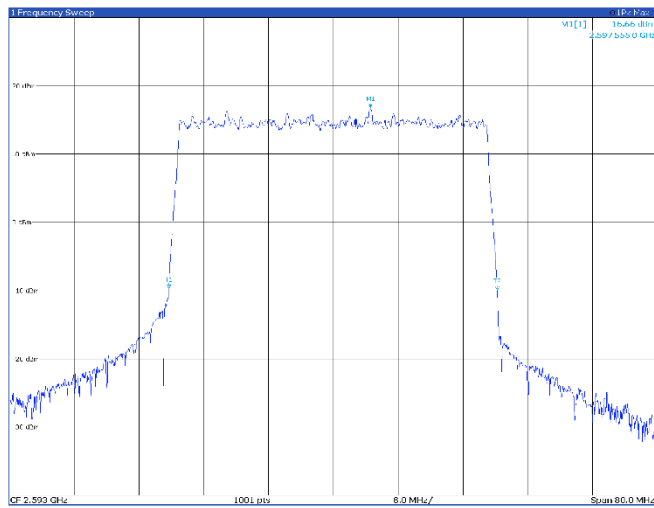
TM1.1, 40 MHz, high channel



TM3p1, 40 MHz, low channel

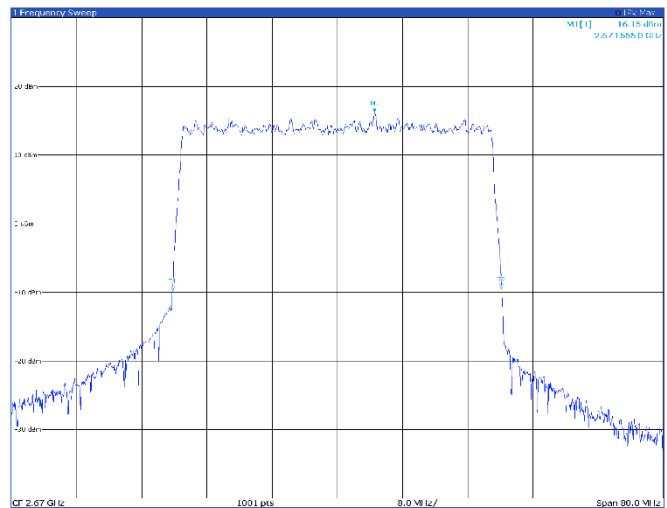


TM3p1, 40 MHz, mid channel



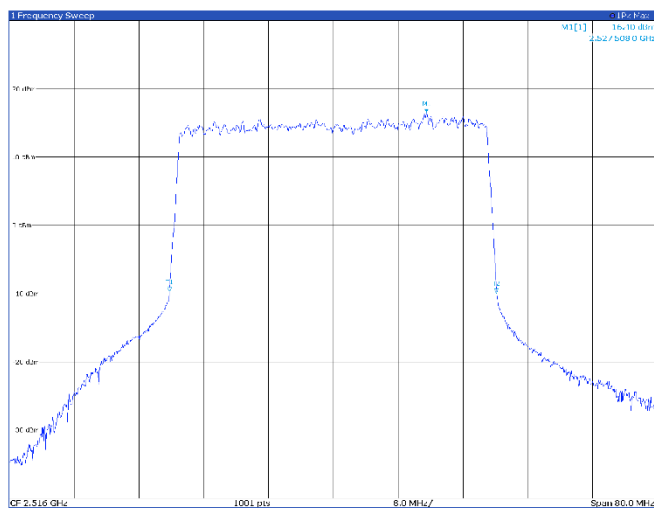
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.597555 GHz	16.66 dBm	nB	20.0 dB
M1	1		2.597555 GHz	16.66 dBm	nB down BW	40.52 MHz
M1	1		2.597555 GHz	16.66 dBm	nB	40.52 MHz

TM3p1, 40 MHz, high channel



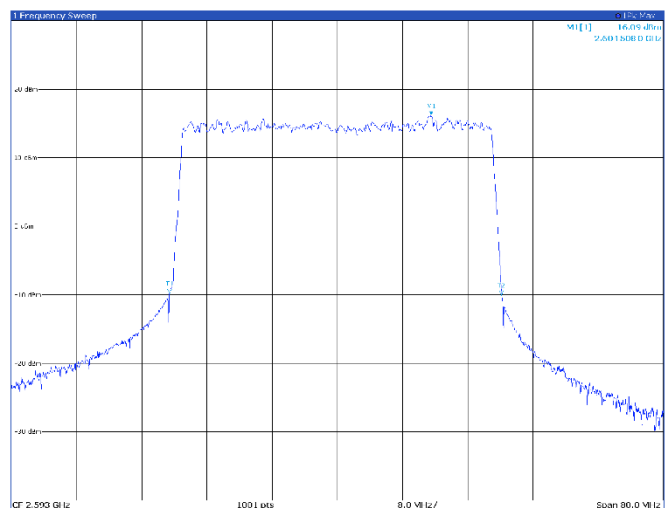
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.674555 GHz	16.15 dBm	nB	20.0 dB
M1	1		2.674555 GHz	16.15 dBm	nB down BW	40.36 MHz
M1	1		2.674555 GHz	16.15 dBm	nB	40.36 MHz

TM3p1a, 40 MHz, low channel



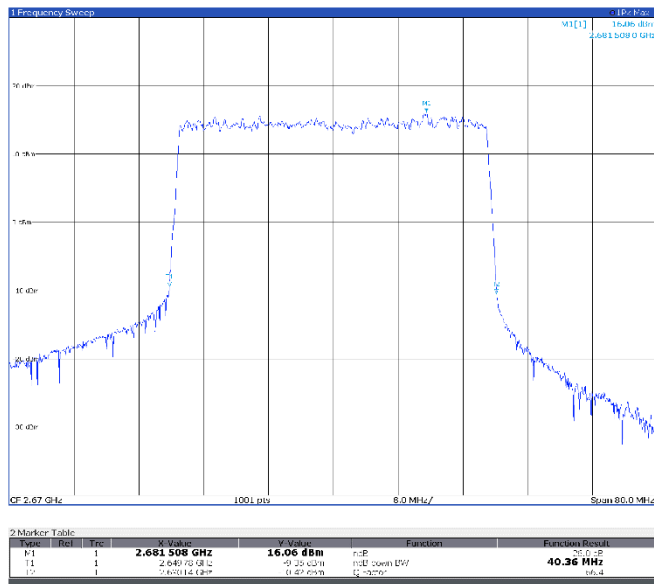
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.527508 GHz	16.40 dBm	nB	20.0 dB
M1	1		2.527508 GHz	16.40 dBm	nB down BW	40.36 MHz
M1	1		2.527508 GHz	16.40 dBm	nB	40.36 MHz

TM3p1a, 40 MHz, mid channel

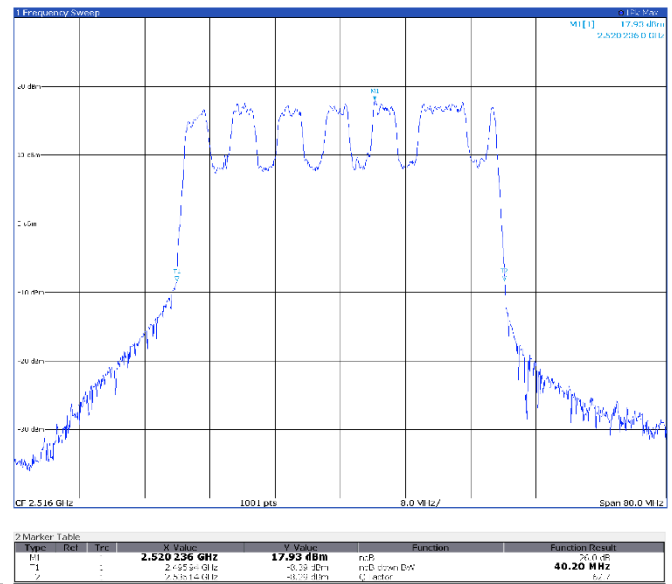


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.604508 GHz	16.09 dBm	nB	20.0 dB
M1	1		2.604508 GHz	16.09 dBm	nB down BW	40.76 MHz
M1	1		2.604508 GHz	16.09 dBm	nB	40.76 MHz

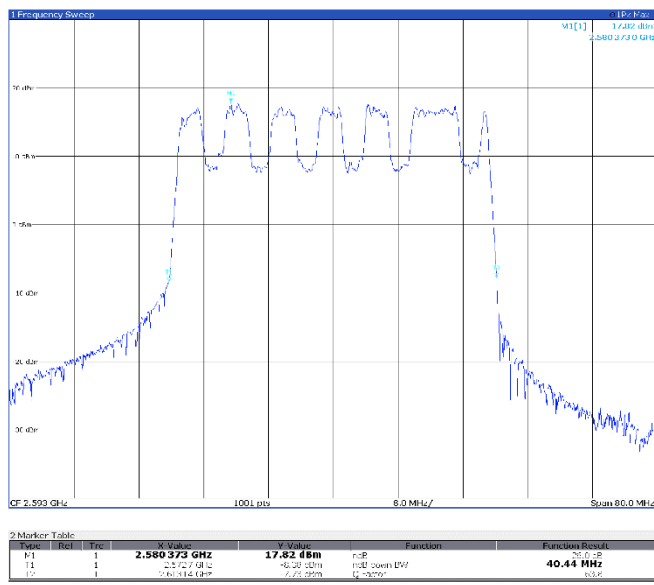
TM3p1a, 40 MHz, high channel



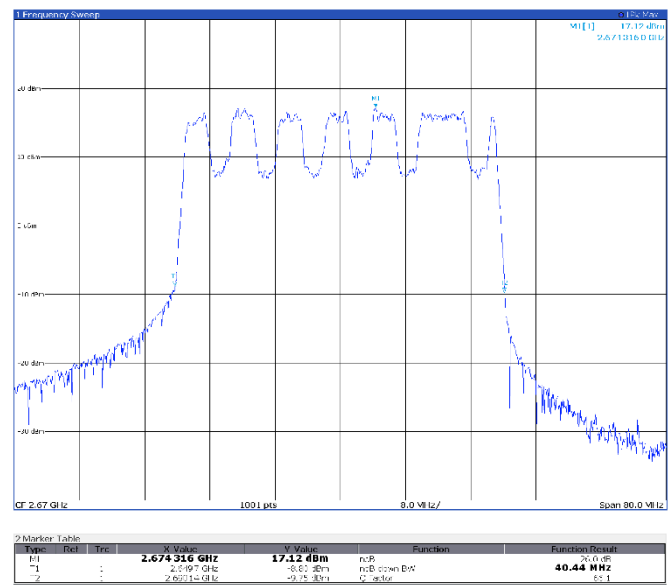
TM3p3, 40 MHz, low channel



TM3p3, 40 MHz, mid channel



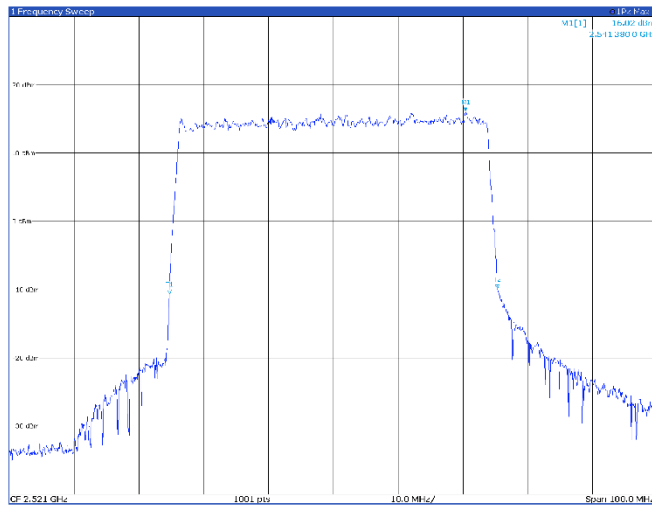
TM3p3, 40 MHz, high channel



Band n41

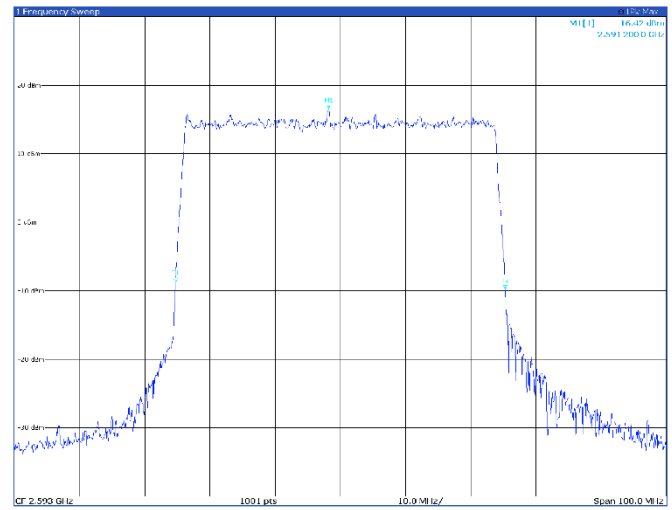
50 MHz

TM1.1, 50 MHz, low channel



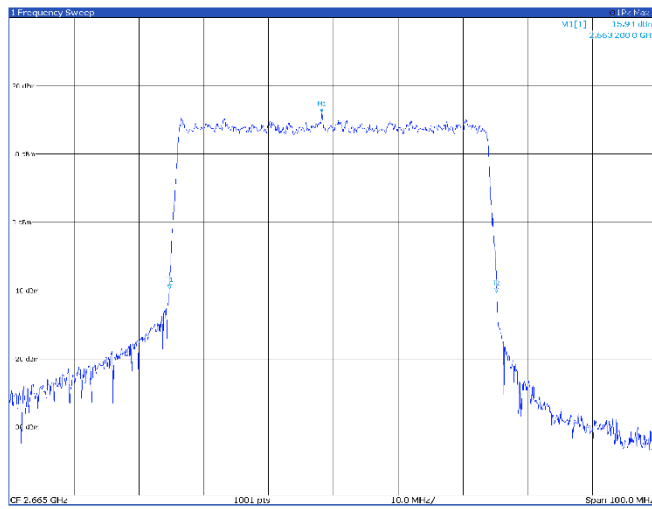
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.544 38 GHz	16.02 dBm	nB	50.55 MHz
M1	1		2.555 55 GHz	-10.50 dBm	nB down BW	50.55 MHz
M1	1		2.555 55 GHz	-10.50 dBm	nB down BW	50.55 MHz

TM1.1, 50 MHz, mid channel



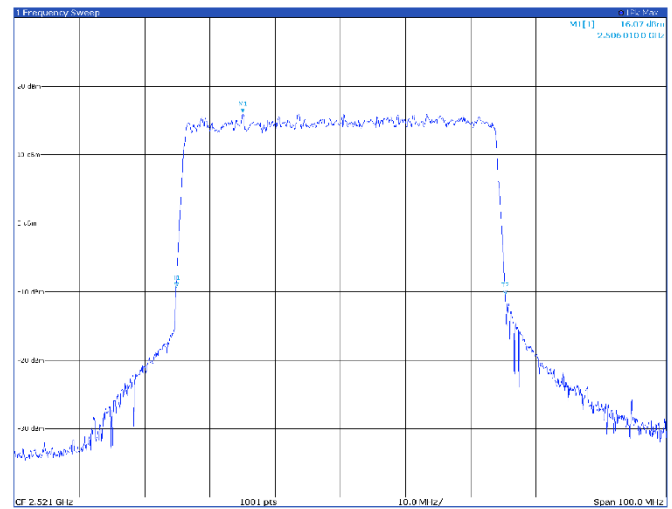
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.591 2 GHz	16.42 dBm	nB	50.55 MHz
M1	1		2.591 2 GHz	-10.50 dBm	nB down BW	50.55 MHz
M1	1		2.591 2 GHz	-10.50 dBm	nB down BW	50.55 MHz

TM1.1, 50 MHz, high channel



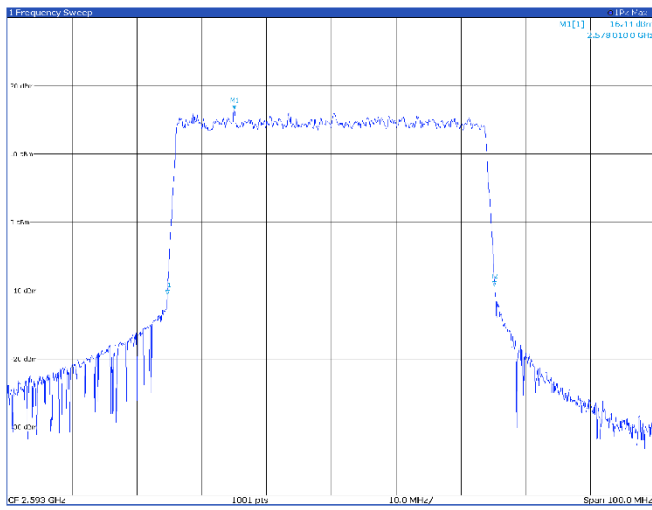
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.663 2 GHz	15.94 dBm	nB	50.45 MHz
M1	1		2.663 2 GHz	-10.50 dBm	nB down BW	50.45 MHz
M1	1		2.663 2 GHz	-10.50 dBm	nB down BW	50.45 MHz

TM3p1, 50 MHz, low channel



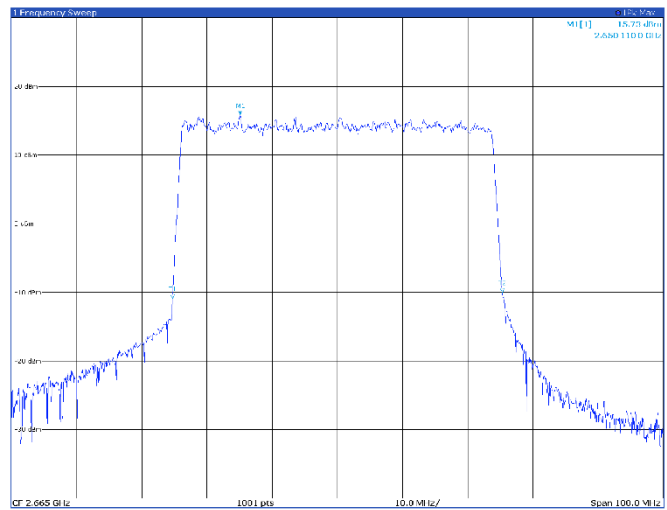
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.558 01 GHz	16.07 dBm	nB	50.45 MHz
M1	1		2.558 01 GHz	-10.50 dBm	nB down BW	50.45 MHz
M1	1		2.558 01 GHz	-10.50 dBm	nB down BW	50.45 MHz

TM3p1, 50 MHz, mid channel



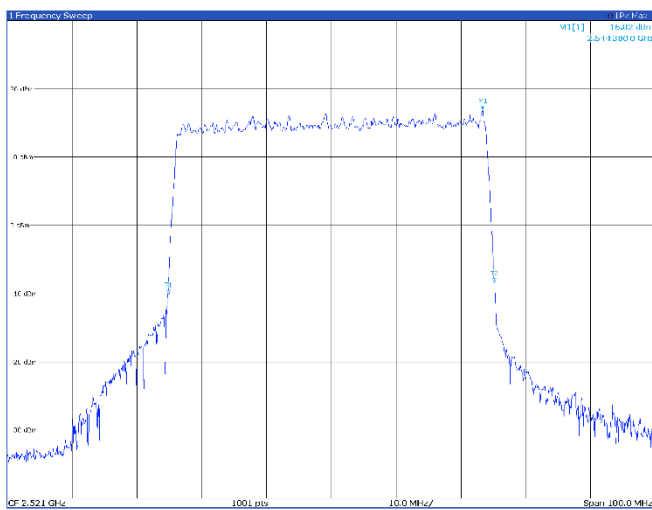
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.578 01 GHz	16.44 dBm	nB	20.0 dB
M1	1		2.577 72 GHz	-10.50 dBm	mB down BW	50.45 MHz
M2	1		2.610 17 GHz	-10.50 dBm	C. noise	50.45 MHz

TM3p1, 50 MHz, high channel



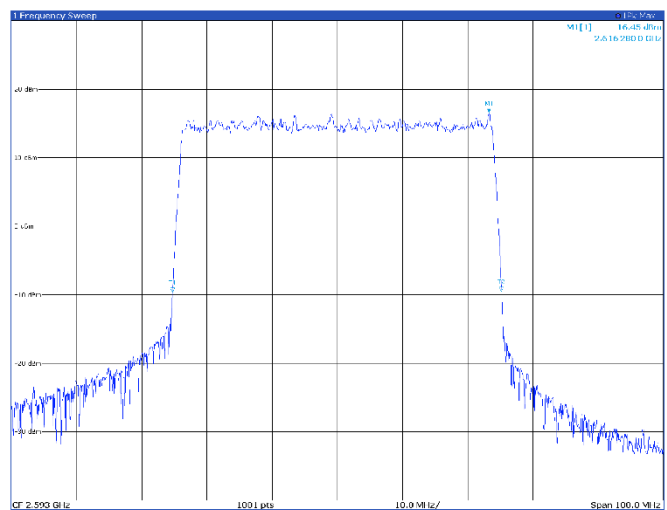
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.605 11 GHz	15.73 dBm	nB	20.0 dB
M1	1		2.604 72 GHz	-10.90 dBm	mB down BW	50.55 MHz
M2	1		2.610 17 GHz	-10.10 dBm	C. noise	50.55 MHz

TM3p1a, 50 MHz, low channel



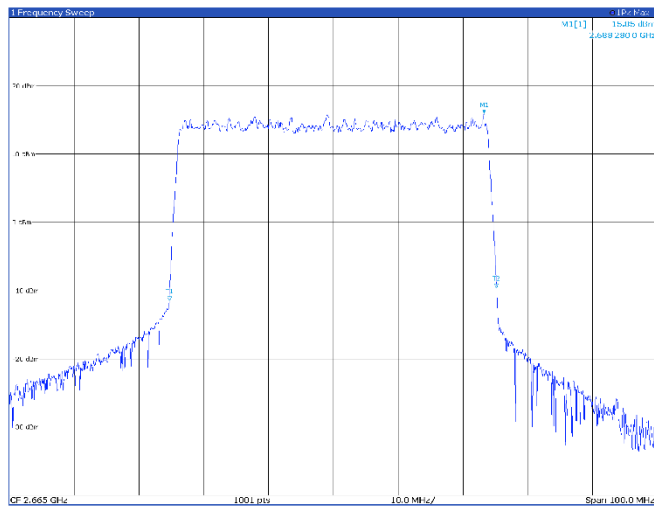
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.544 38 GHz	16.82 dBm	nB	20.0 dB
M1	1		2.543 92 GHz	-10.14 dBm	mB down BW	50.35 MHz
M2	1		2.546 17 GHz	-10.40 dBm	C. noise	50.35 MHz

TM3p1a, 50 MHz, mid channel



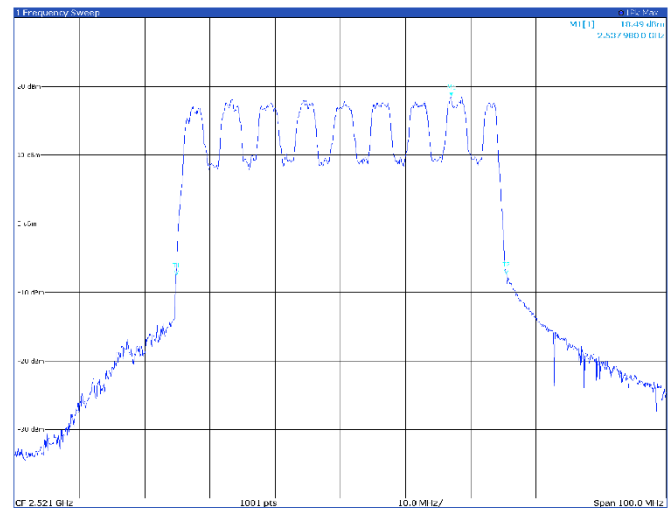
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		2.610 28 GHz	16.45 dBm	nB	20.0 dB
M1	1		2.609 72 GHz	-10.63 dBm	mB down BW	50.45 MHz
M2	1		2.610 17 GHz	-10.10 dBm	C. noise	50.45 MHz

TM3p1a, 50 MHz, high channel



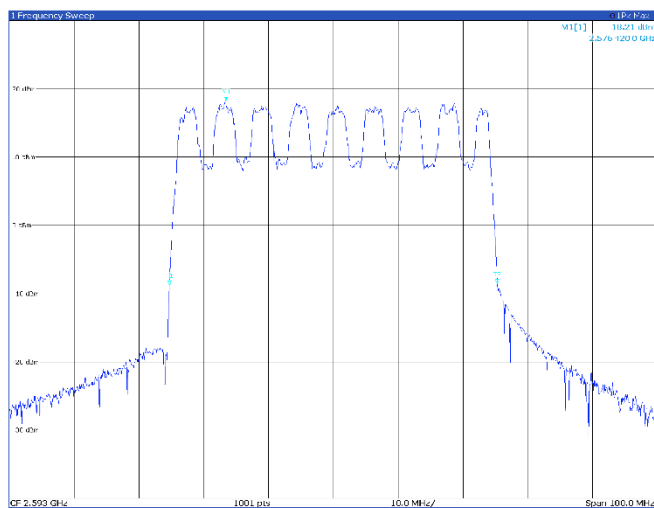
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
P1	-	1	2.67528 GHz	15.85 dBm	nB	20.0 dB	50.45 MHz
P1	-	1	2.67572 GHz	-1.1 dBm	nB	down BW	
P2	-	1	2.68017 GHz	-4.38 dBm	nB	up BW	

TM3p3, 50 MHz, low channel



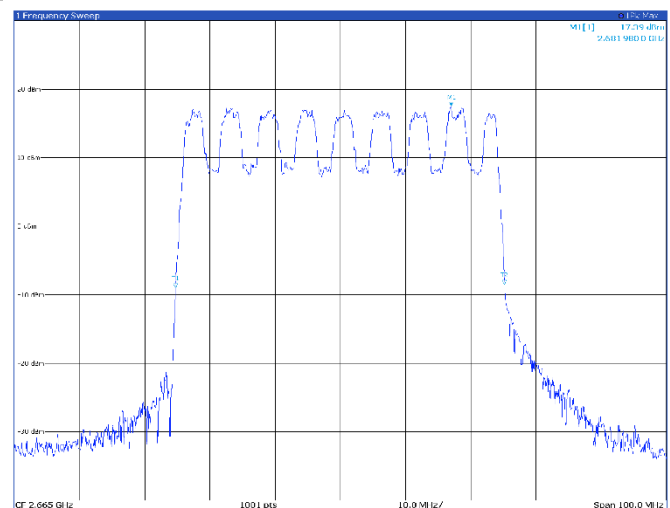
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
P1	-	1	2.53798 GHz	18.49 dBm	nB	20.0 dB	50.65 MHz
P1	-	1	2.54500 GHz	-7.21 dBm	nB	down BW	
P2	-	1	2.54542 GHz	-17.78 dBm	nB	up BW	

TM3p3, 50 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
P1	-	1	2.57642 GHz	18.21 dBm	nB	20.0 dB	50.55 MHz
P1	-	1	2.58772 GHz	-8.76 dBm	nB	down BW	
P2	-	1	2.60927 GHz	-8.46 dBm	nB	up BW	

TM3p3, 50 MHz, high channel



Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
P1	-	1	2.68198 GHz	17.39 dBm	nB	20.0 dB	50.45 MHz
P1	-	1	2.69372 GHz	-8.99 dBm	nB	down BW	
P2	-	1	2.69017 GHz	-14.47 dBm	nB	up BW	