

RADIO TEST REPORT

REP068645

Date of issue: December 23, 2024

Applicant:

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

Product:

RPM-A61L1-7E

Model:

7847588-00

Model variant:

None

FCC ID:

XS5-RPML2-B121314

IC Registration number:

NA

Specifications:

◆ **FCC 47 CFR Part 90**

Private Land Mobile Radio Services

Lab and test locations

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Tested by	O. Frau
Signature	
Reviewed by	D. Guarnone
Review date	December 23, 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 90	Private Land Mobile Radio 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
REP068645	Original report issued

Section 2. Summary of test results

2.1 FCC Part 90 test results

Part	Test description	Verdict
§2.1033(c)(4)	Modulation type	Pass
§2.1049(h)	99% Occupied bandwidth	Pass
§2.1049(h)	Frequency ranges	Pass
§90.542(a)(3)	Output power at RF antenna connector	Pass
§90.542(a)(3)	Peak to average power ratio	Pass
§90.543(e)	Conducted spurious emissions	Pass
§90.543(e)	Radiated spurious emissions	Pass
§2.1049(h)	26 dB Occupied bandwidth	Pass
§90.539	Frequency stability	Pass

Note: None.

Section 3. Equipment under test (EUT) details

3.1 Sample information

Receipt date	November 7, 2024
Nemko sample ID number	PRJ00630770006

3.2 EUT information

Product name	RPM-A61L1-7E
Model	7847588-00
Part Number	7847588-00
Serial number	SZRMBG24230045

3.3 Technical information

Frequency band	n14: 758 - 768 MHz
RF power Max (W), Conducted	max Port 1 = 22.5 dBm (0.18 W) – max Port 2 = 22.5 dBm (0.18 W); max comb. Port 1 + Port 2 = 25.5 dBm (0.35 W) @ 760.5 MHz (with 5 MHz bandwidth)
Supported bandwidths:	5, 10 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	3.7 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

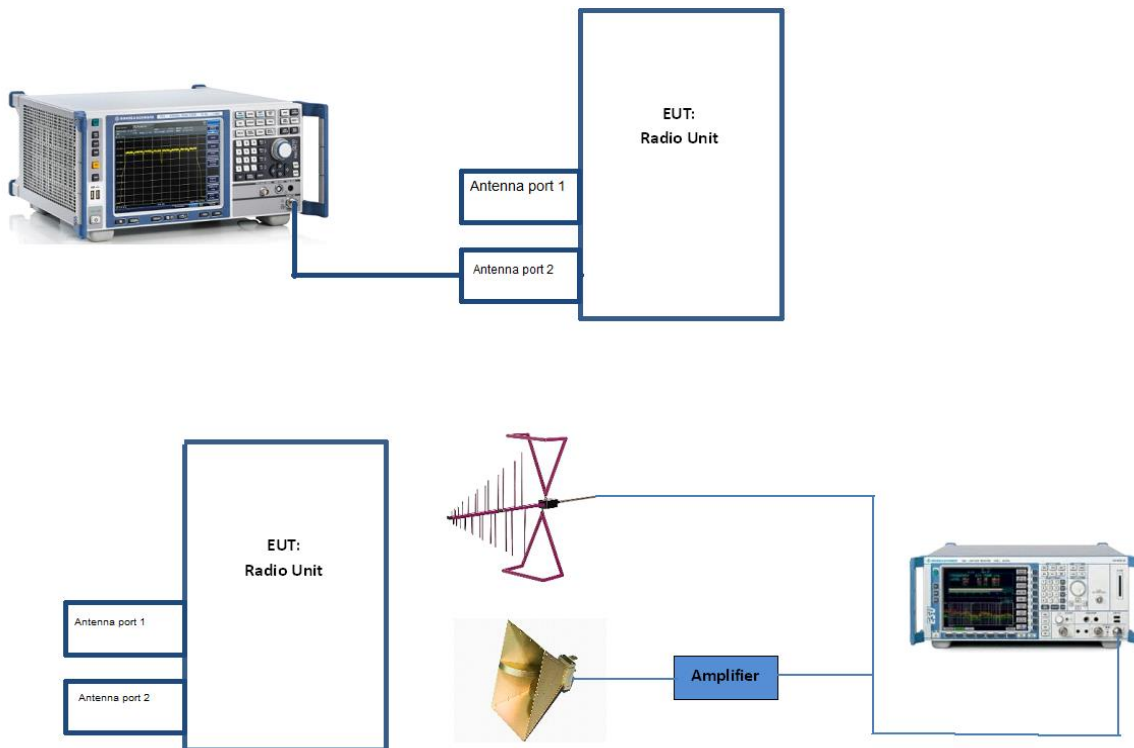


Figure 3.6-1: Setup diagram

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)
			5 MHz ÷ 140 GHz	5.0 dB	(1)
		Adjacent channel power	1 MHz ÷ 18 GHz	1.4 dB	(1)
		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	November 27, 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 n14:

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

Table Error. 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	November 27, 2024	Temperature	22 °C
Test end date	December 13, 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 n14: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM1.1	760.5	4.48
n14	5 MHz	TM1.1	763.0	4.49
n14	5 MHz	TM1.1	765.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM3p1	760.5	4.48
n14	5 MHz	TM3p1	763.0	4.48
n14	5 MHz	TM3p1	765.5	4.48

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM3p1a	760.5	4.49
n14	5 MHz	TM3p1a	763.0	4.49
n14	5 MHz	TM3p1a	765.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM3p3	760.5	4.51
n14	5 MHz	TM3p3	763.0	4.51
n14	5 MHz	TM3p3	765.5	4.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM1.1	n/a	-
n14	10 MHz	TM1.1	763.0	9.30
n14	10 MHz	TM1.1	n/a	-

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM3p1	n/a	-
n14	10 MHz	TM3p1	763.0	9.27
n14	10 MHz	TM3p1	n/a	-

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM3p1a	n/a	-
n14	10 MHz	TM3p1a	763.0	9.30
n14	10 MHz	TM3p1a	n/a	-

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM3p3	n/a	-
n14	10 MHz	TM3p3	763.0	9.08
n14	10 MHz	TM3p3	n/a	-

Band n14: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM1.1	760.5	4.49
n14	5 MHz	TM1.1	763.0	4.48
n14	5 MHz	TM1.1	765.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM3p1	760.5	4.49
n14	5 MHz	TM3p1	763.0	4.49
n14	5 MHz	TM3p1	765.5	4.48

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM3p1a	760.5	4.49
n14	5 MHz	TM3p1a	763.0	4.49
n14	5 MHz	TM3p1a	765.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	5 MHz	TM3p3	760.5	4.50
n14	5 MHz	TM3p3	763.0	4.51
n14	5 MHz	TM3p3	765.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM1.1	n/a	-
n14	10 MHz	TM1.1	763.0	9.28
n14	10 MHz	TM1.1	n/a	-

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM3p1	n/a	-
n14	10 MHz	TM3p1	763.0	9.26
n14	10 MHz	TM3p1	n/a	-

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM3p1a	n/a	-
n14	10 MHz	TM3p1a	763.0	9.30
n14	10 MHz	TM3p1a	n/a	-

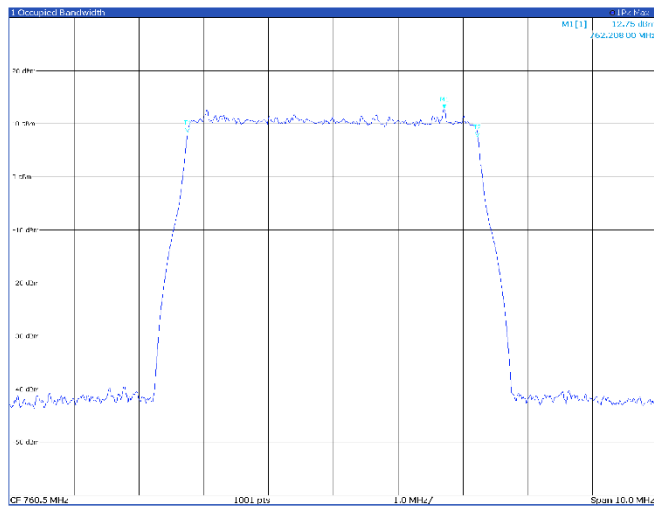
Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n14	10 MHz	TM3p3	n/a	-
n14	10 MHz	TM3p3	763.0	9.04
n14	10 MHz	TM3p3	n/a	-

Antenna port 1

Band n14

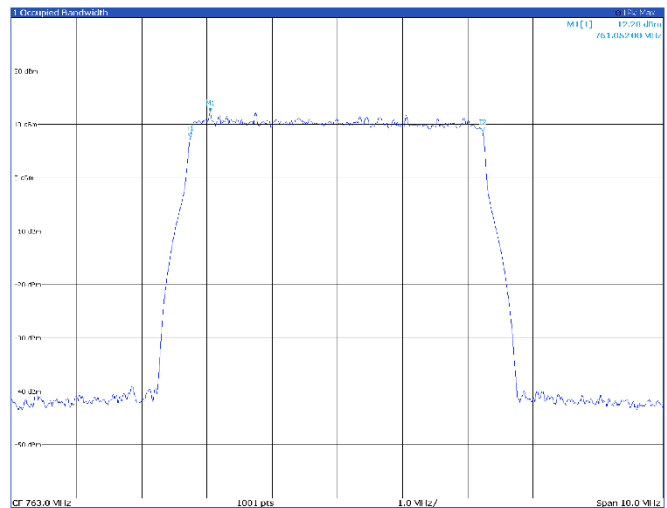
5 MHz

TM1.1, 5 MHz, low channel



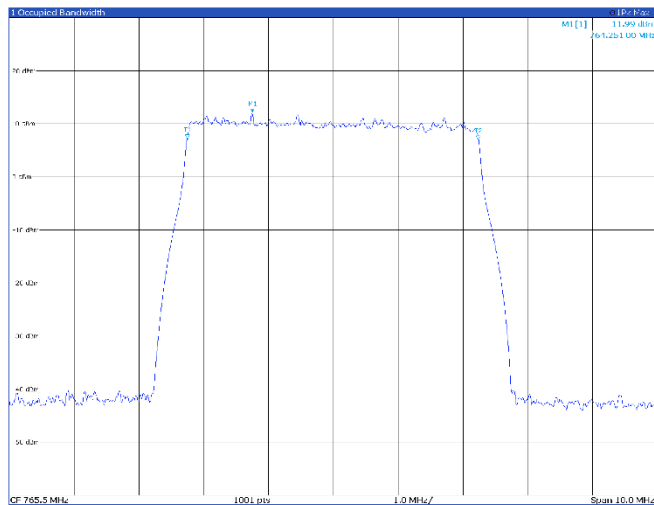
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		762.208 MHz	12.75 dBm	Occ SW	4.475428006 MHz
T1	1		750.24750 MHz	8.27 dBm	Occ SW Control	760.465505000 MHz
T2	1		772.77000 MHz	6.04 dBm	Occ SW Control	762.008000000 MHz

TM1.1, 5 MHz, mid channel



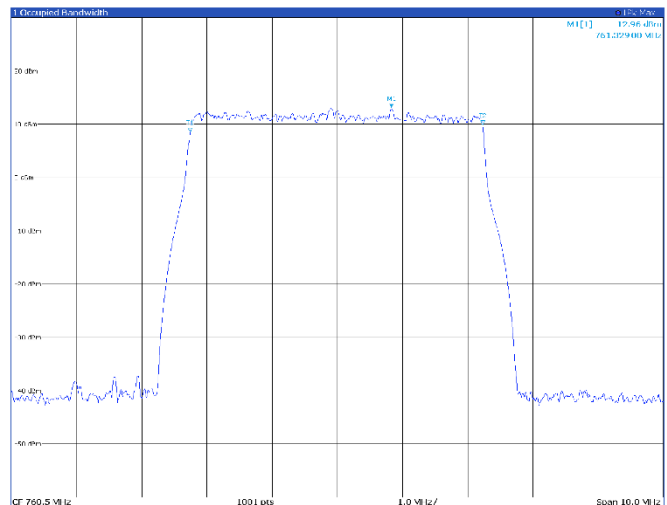
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		761.052 MHz	12.28 dBm	Occ SW	4.469511774 MHz
T1	1		760.72000 MHz	7.41 dBm	Occ SW Control	763.987200000 MHz
T2	1		763.42000 MHz	8.61 dBm	Occ SW Control	761.020000000 MHz

TM1.1, 5 MHz, high channel



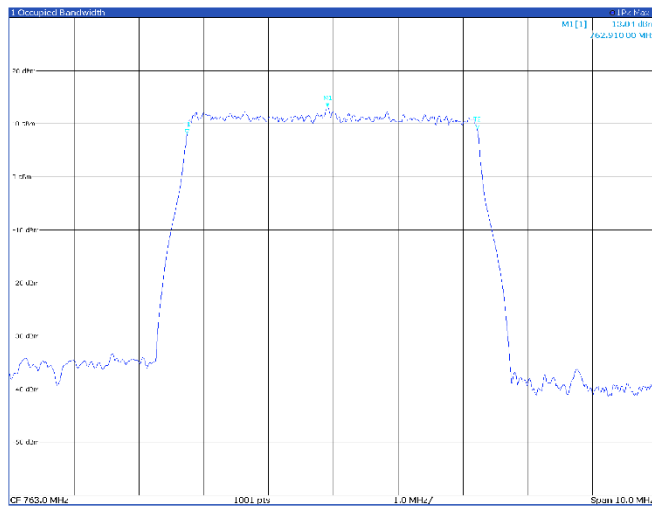
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		764.251 MHz	11.99 dBm	Occ SW	4.468567082 MHz
T1	1		752.24500 MHz	7.11 dBm	Occ SW Control	755.499550000 MHz
T2	1		777.71000 MHz	6.16 dBm	Occ SW Control	764.000000000 MHz

TM3p1, 5 MHz, low channel



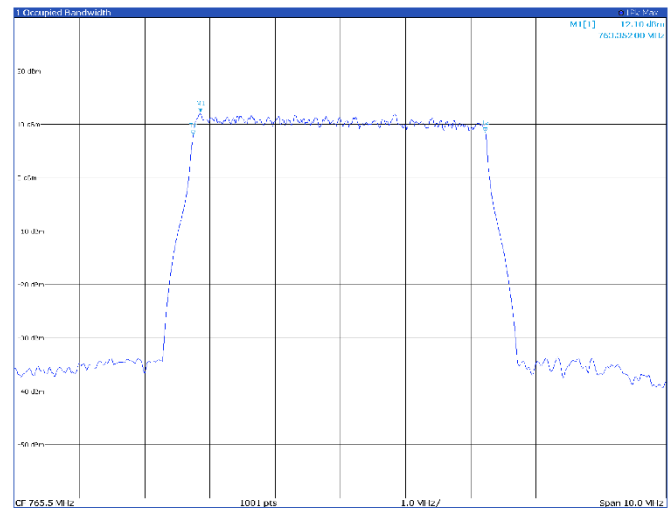
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		761.329 MHz	12.96 dBm	Occ SW	4.463111515 MHz
T1	1		759.31000 MHz	8.02 dBm	Occ SW Control	760.601525000 MHz
T2	1		763.70000 MHz	9.01 dBm	Occ SW Control	761.004600000 MHz

TM3p1, 5 MHz, mid channel



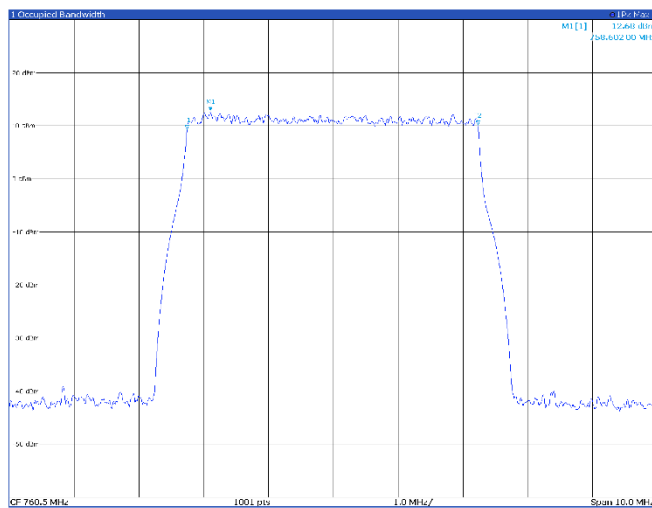
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		762.91 MHz	13.04 dBm	Occ BW	4.462073007 MHz
T1	1		760.000000 MHz	0.00 dBm	Occ BW Centroid	762.907321500 MHz
T2	1		765.000000 MHz	0.00 dBm	Occ BW Centroid	762.905047483 MHz

TM3p1, 5 MHz, high channel



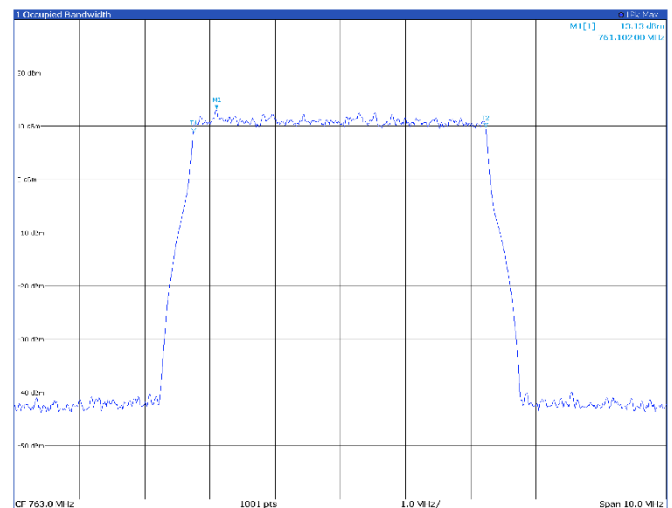
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		763.352 MHz	12.10 dBm	Occ BW	4.463016733 MHz
T1	1		760.500000 MHz	0.00 dBm	Occ BW Centroid	763.348008073 MHz
T2	1		765.500000 MHz	0.00 dBm	Occ BW Centroid	763.349991926 MHz

TM3p1a, 5 MHz, low channel



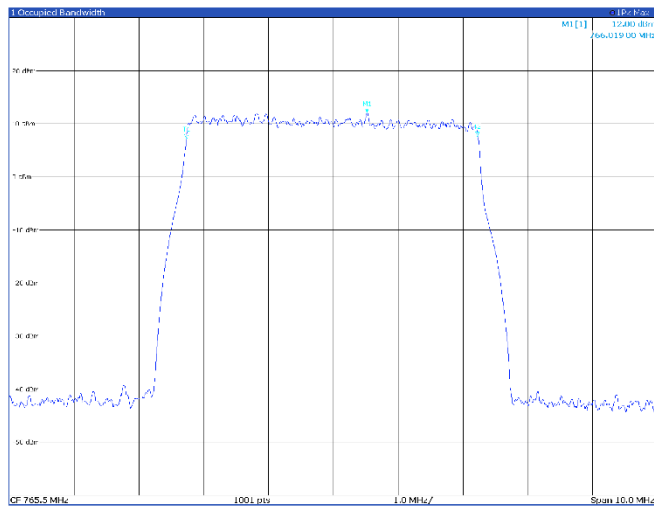
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		758.602 MHz	12.68 dBm	Occ BW	4.469119256 MHz
T1	1		756.000000 MHz	0.00 dBm	Occ BW Centroid	758.595582523 MHz
T2	1		760.000000 MHz	0.00 dBm	Occ BW Centroid	758.598487476 MHz

TM3p1a, 5 MHz, mid channel



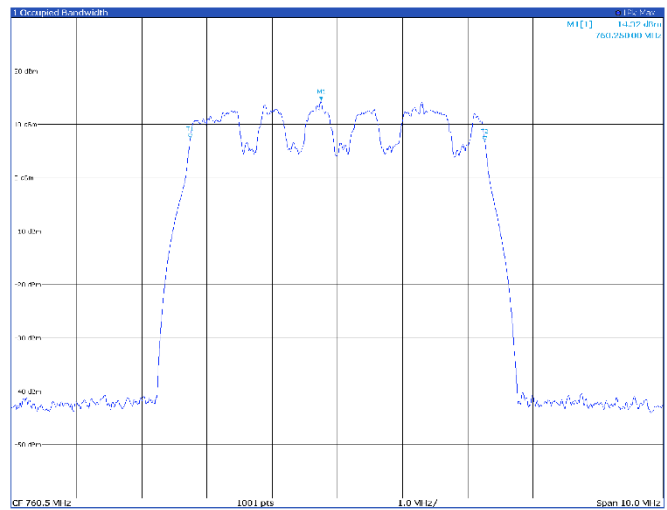
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		761.102 MHz	13.13 dBm	Occ BW	4.466506128 MHz
T1	1		759.500000 MHz	0.00 dBm	Occ BW Centroid	761.092464525 MHz
T2	1		762.500000 MHz	0.00 dBm	Occ BW Centroid	761.103535474 MHz

TM3p1a, 5 MHz, high channel



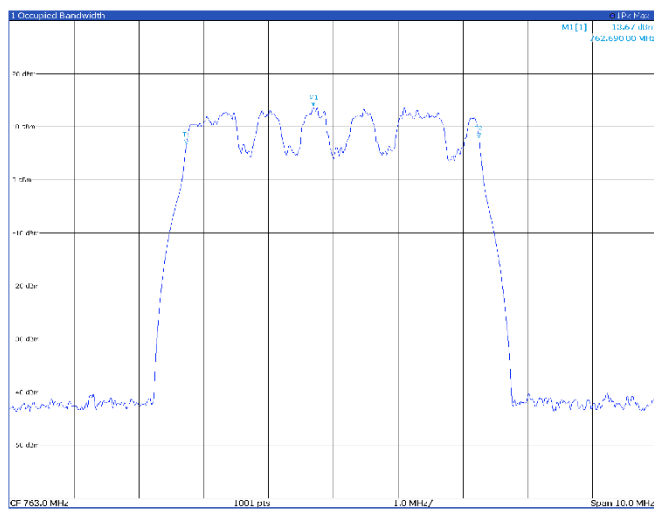
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		766.019 MHz	12.00 dBm	Occ SW	4.489159412 MHz
F1	1		755.22943 MHz	7.15 dBm	Occ SW	755.416007621 MHz
F2	1		767.72584 MHz	7.62 dBm	Occ SW	767.912927437 MHz

TM3p3, 5 MHz, low channel



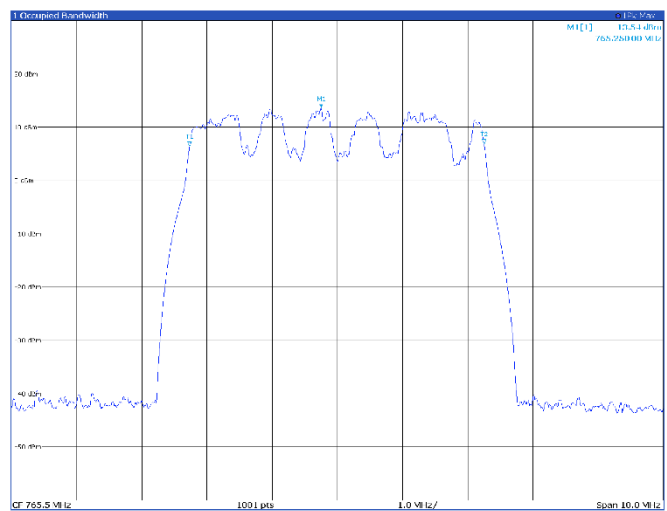
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.25 MHz	14.32 dBm	Occ SW	4.51366177 MHz
F1	1		750.21132 MHz	7.32 dBm	Occ SW	750.499453997 MHz
F2	1		759.28338 MHz	6.92 dBm	Occ SW	759.570507146 MHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		762.69 MHz	13.67 dBm	Occ SW	4.510812197 MHz
F1	1		759.75399 MHz	6.72 dBm	Occ SW	759.995399799 MHz
F2	1		765.62583 MHz	7.95 dBm	Occ SW	765.912406478 MHz

TM3p3, 5 MHz, high channel

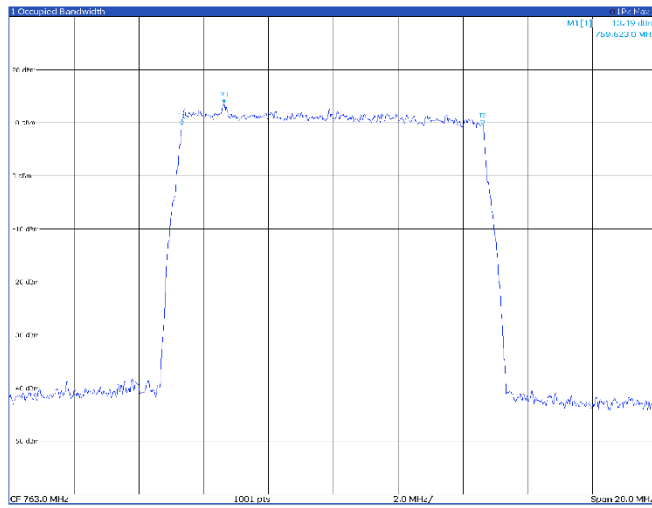


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		765.25 MHz	13.54 dBm	Occ SW	4.512723678 MHz
F1	1		763.22332 MHz	6.42 dBm	Occ SW	763.491260507 MHz
F2	1		767.24238 MHz	6.92 dBm	Occ SW	767.519532366 MHz

Band n14

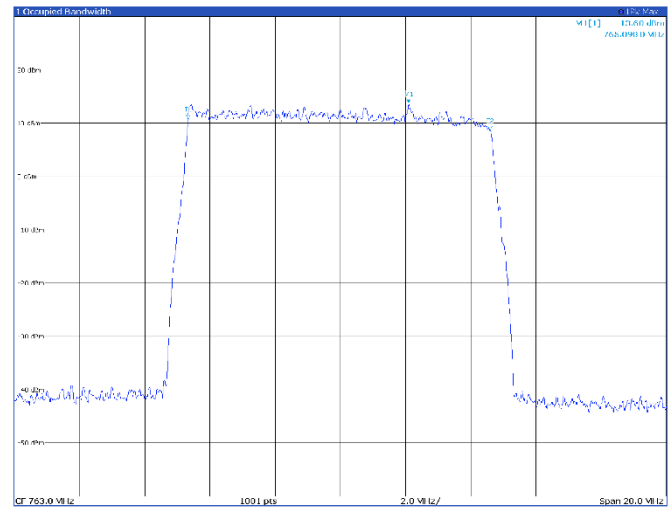
10 MHz

TM1.1, 10 MHz, mid channel



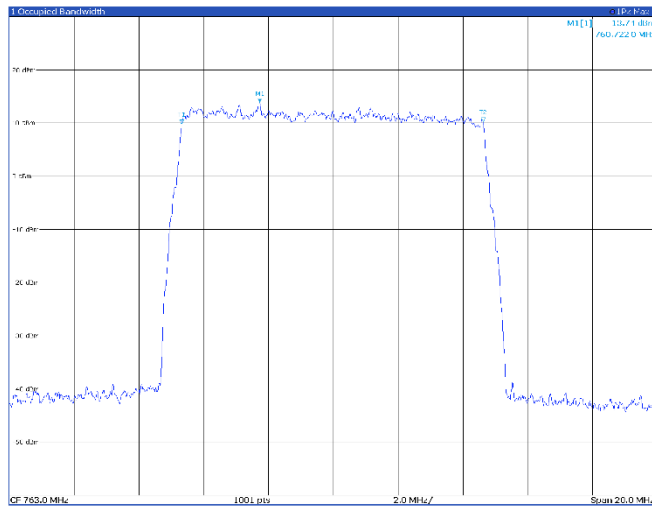
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		759.623 MHz	13.49 dBm	Occ SW	9.295363778 MHz
M1	1		759.623 MHz	13.49 dBm	Occ SW Control	759.623 MHz
M1	1		759.623 MHz	13.49 dBm	Occ SW Offset	759.623 MHz

TM3p1, 10 MHz, mid channel



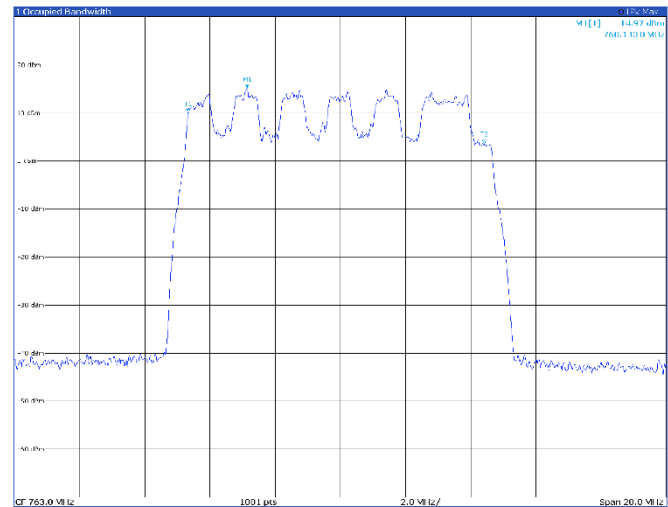
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		765.098 MHz	13.60 dBm	Occ SW	9.269726777 MHz
M1	1		765.098 MHz	13.60 dBm	Occ SW Control	765.098 MHz
M1	1		765.098 MHz	13.60 dBm	Occ SW Offset	765.098 MHz

TM3p1a, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.722 MHz	13.74 dBm	Occ SW	9.302749206 MHz
M1	1		760.722 MHz	13.74 dBm	Occ SW Control	760.722 MHz
M1	1		760.722 MHz	13.74 dBm	Occ SW Offset	760.722 MHz

TM3p3, 10 MHz, mid channel



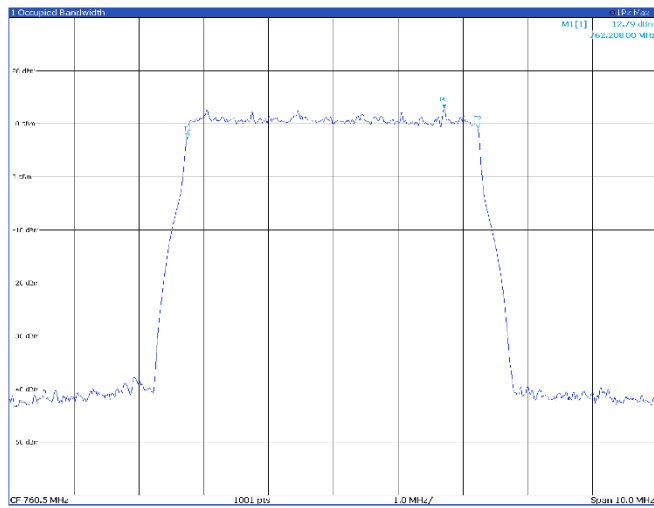
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.143 MHz	14.97 dBm	Occ SW	9.083140144 MHz
M1	1		760.143 MHz	14.97 dBm	Occ SW Control	760.143 MHz
M1	1		760.143 MHz	14.97 dBm	Occ SW Offset	760.143 MHz

Antenna port 2

Band n14

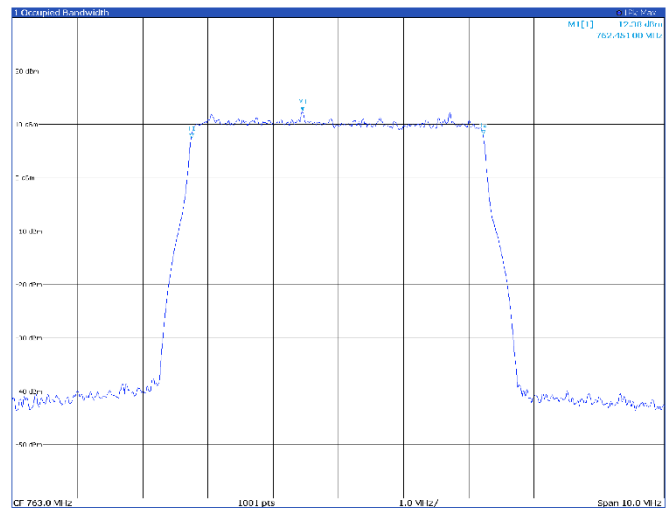
5 MHz

TM1.1, 5 MHz, low channel



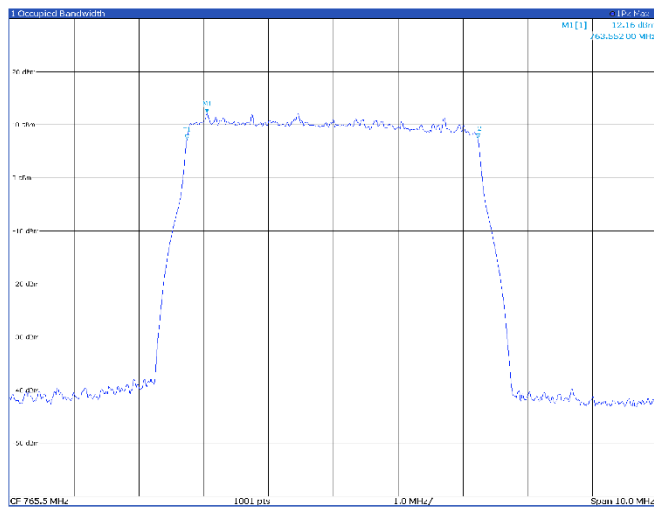
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		762.208 MHz	12.79 dBm		4.485143336 MHz
T1	1		759.24729 MHz	7.25 dBm	Occ BW Control	759.469365222 MHz
T2	1		762.24729 MHz	6.12 dBm	Occ BW Control	762.469365222 MHz

TM1.1, 5 MHz, mid channel



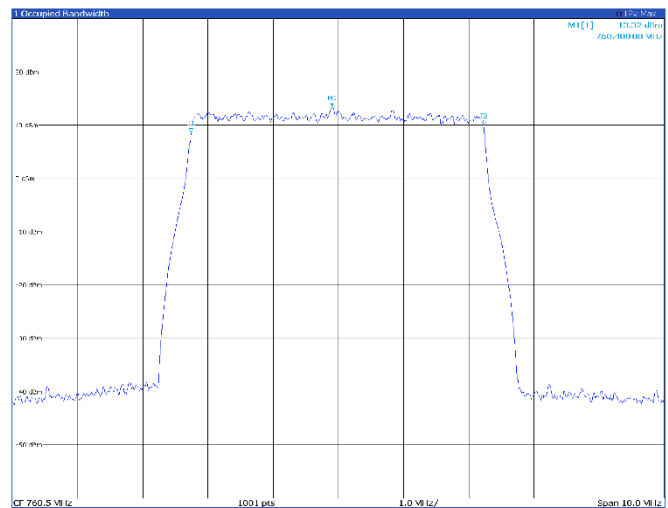
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		762.451 MHz	12.38 dBm		4.475119832 MHz
T1	1		760.74500 MHz	7.45 dBm	Occ BW Control	762.982413501 MHz
T2	1		764.14500 MHz	6.1 dBm	Occ BW Control	764.462413501 MHz

TM1.1, 5 MHz, high channel

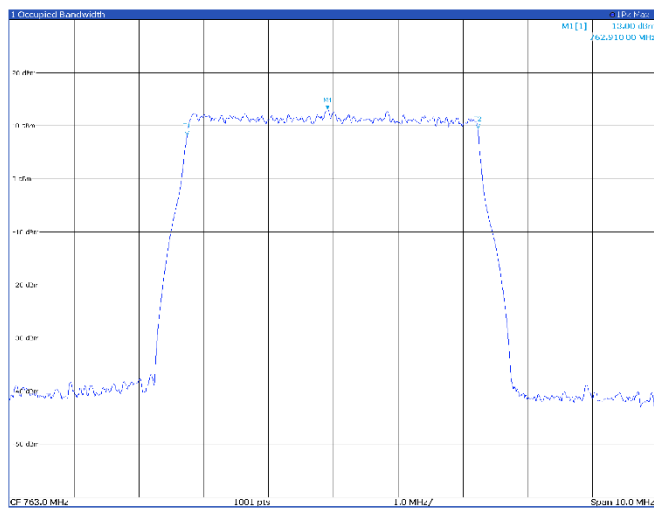


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		763.552 MHz	12.16 dBm		4.467169654 MHz
T1	1		762.44229 MHz	7.25 dBm	Occ BW Control	762.469365222 MHz
T2	1		764.66229 MHz	6.12 dBm	Occ BW Control	764.469365222 MHz

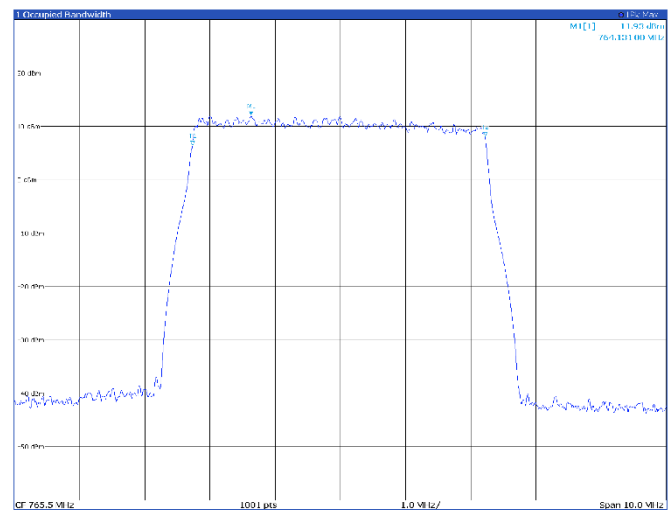
TM3p1, 5 MHz, low channel



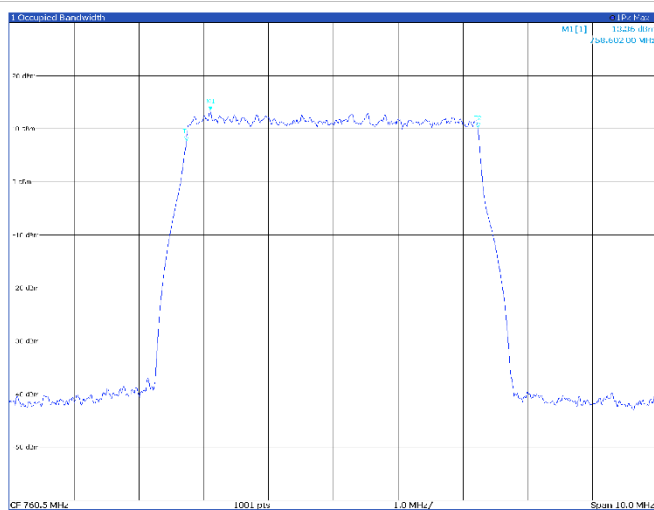
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.4 MHz	13.32 dBm		4.467331345 MHz
T1	1		758.21072 MHz	6.21 dBm	Occ BW Control	758.461357512 MHz
T2	1		762.59072 MHz	7.25 dBm	Occ BW Control	762.461357512 MHz

TM3p1, 5 MHz, mid channel


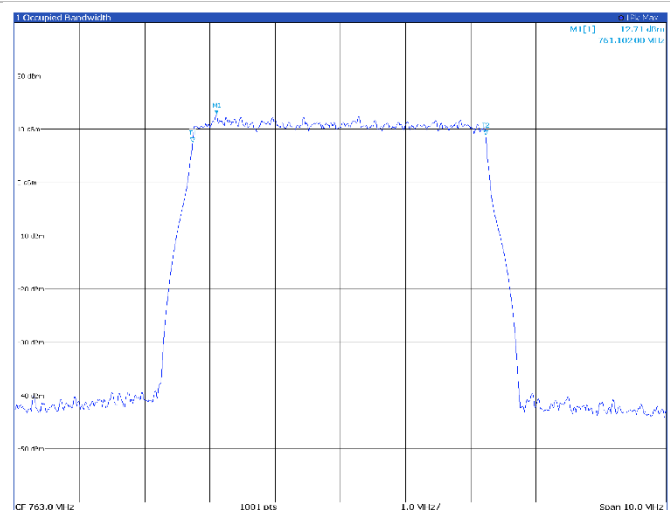
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1	1	762.91 MHz	13.00 dBm	Off	Occ BW	4.486 201 51 MHz
M2	1	1	750.740 40 MHz	0.16 dBm	Off	Occ BW Channel	762.962 513 006 MHz
M3	1	1	765.760 20 MHz	4.25 dBm	Off	Occ BW Channel	765.761 130 0 14 MHz

TM3p1, 5 MHz, high channel


Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1	1	764.131 MHz	11.93 dBm	Off	Occ BW	4.464 067 729 MHz
M2	1	1	763.22 12 MHz	6.40 dBm	Off	Occ BW Channel	765.477 050 115 MHz
M3	1	1	767.22 12 MHz	8.14 dBm	Off	Occ BW Channel	767.161 021 134 MHz

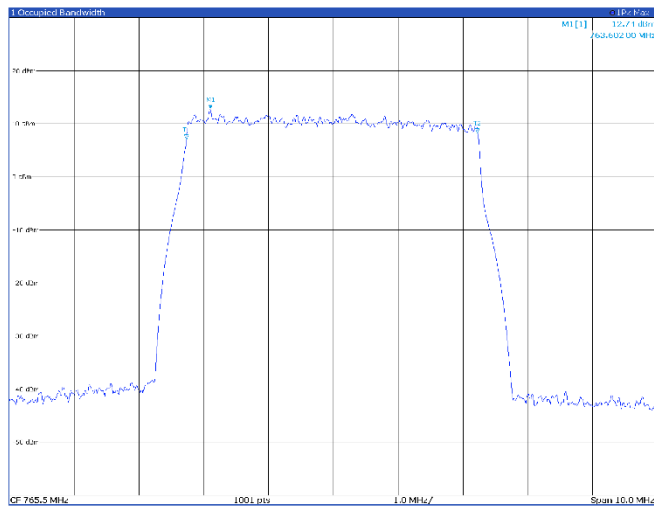
TM3p1a, 5 MHz, low channel


Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1	1	758.602 MHz	13.36 dBm	Off	Occ BW	4.496 733 124 MHz
M2	1	1	750.254 49 MHz	7.74 dBm	Off	Occ BW Channel	760.402 000 104 MHz
M3	1	1	767.011 27 MHz	10.36 dBm	Off	Occ BW Channel	767.143 033 241 MHz

TM3p1a, 5 MHz, mid channel


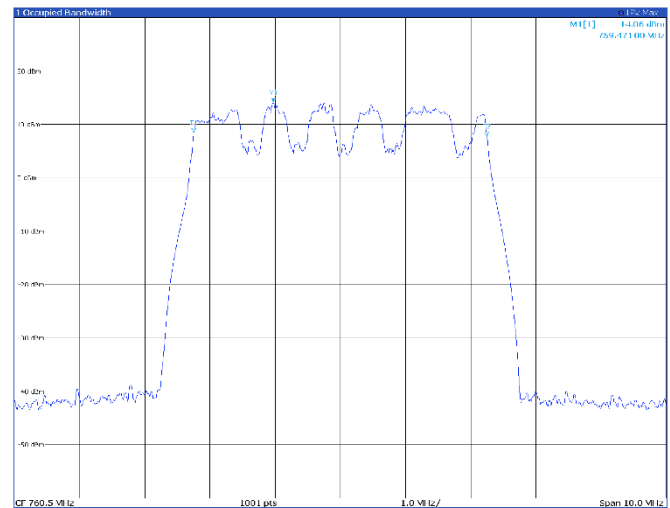
Type	Ref	Trc	X Value	Y Value	Corr Sw	Function	Function Result
M1	1	1	761.102 MHz	12.71 dBm	Off	Occ BW	4.469 932 757 MHz
M2	1	1	750.735 1 MHz	7.31 dBm	Off	Occ BW Channel	763.581 356 725 MHz
M3	1	1	765.765 27 MHz	8.96 dBm	Off	Occ BW Channel	767.500 765 81 11 MHz

TM3p1a, 5 MHz, high channel



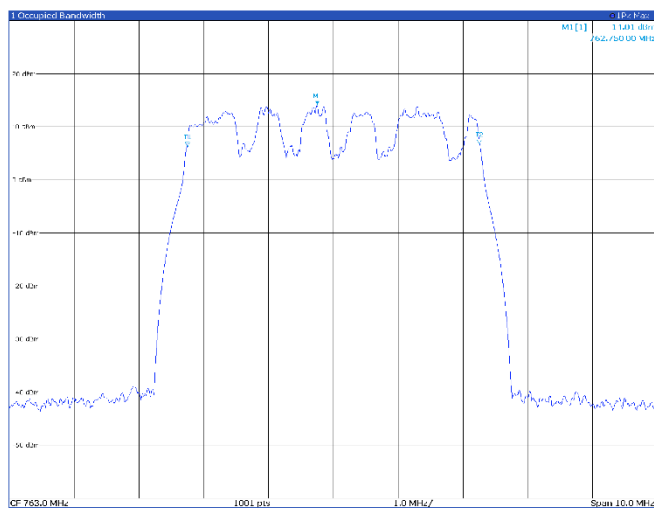
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		763.602 MHz	12.74 dBm	Occ SW	4.493120 526 MHz
M2	1		762.500 00 MHz	-46.93 dBm	Occ SW	762.500 00 MHz
M3	1		764.500 00 MHz	-46.93 dBm	Occ SW	764.500 00 MHz

TM3p3, 5 MHz, low channel



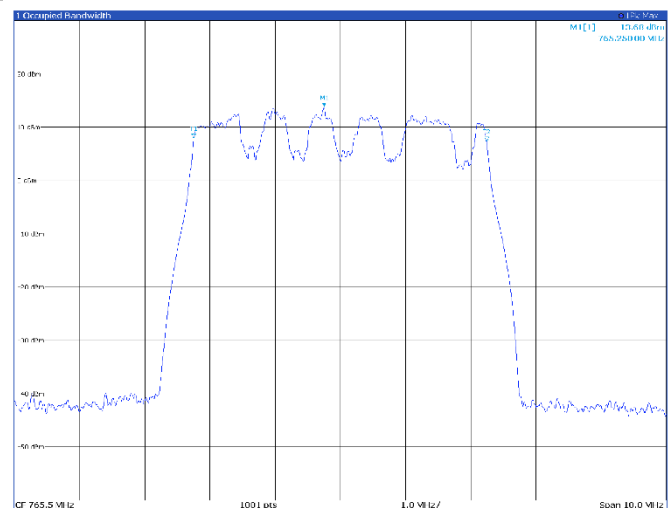
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		759.471 MHz	14.06 dBm	Occ SW	4.496260 447 MHz
M2	1		758.500 00 MHz	-14.06 dBm	Occ SW	758.500 00 MHz
M3	1		760.500 00 MHz	-14.06 dBm	Occ SW	760.500 00 MHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		762.75 MHz	14.01 dBm	Occ SW	4.506476 054 MHz
M2	1		761.500 00 MHz	-14.01 dBm	Occ SW	761.500 00 MHz
M3	1		764.000 00 MHz	-14.01 dBm	Occ SW	764.000 00 MHz

TM3p3, 5 MHz, high channel

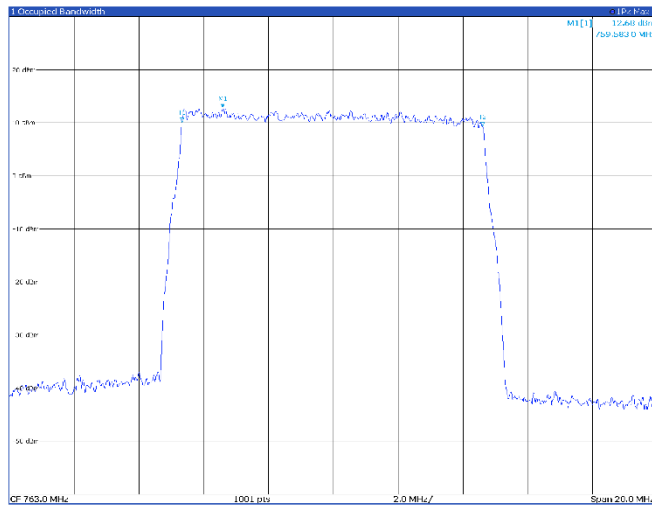


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		765.25 MHz	13.68 dBm	Occ SW	4.494069 483 MHz
M2	1		764.000 00 MHz	-13.68 dBm	Occ SW	764.000 00 MHz
M3	1		766.500 00 MHz	-13.68 dBm	Occ SW	766.500 00 MHz

Band n14

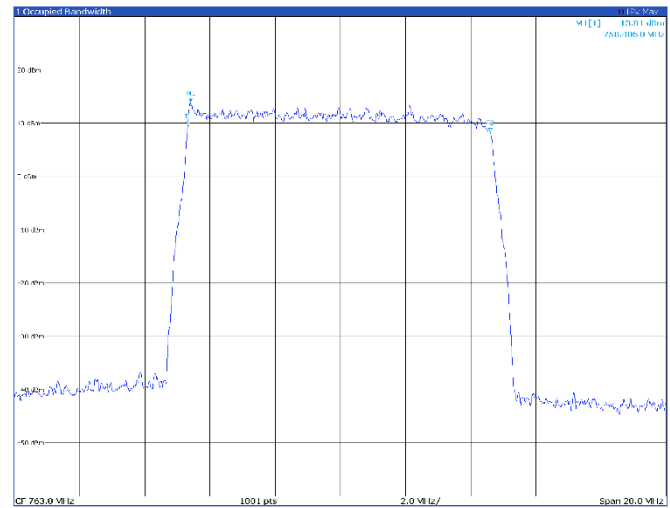
10 MHz

TM1.1, 10 MHz, mid channel



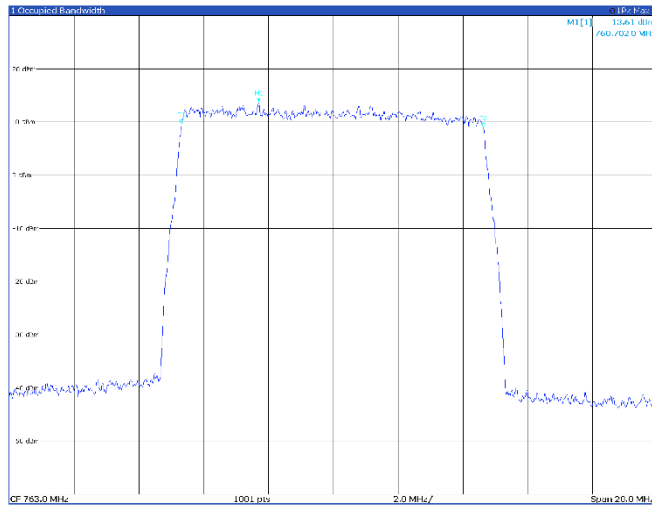
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		759.582 MHz	12.68 dBm	Occ SW	9.262415727 MHz
M1	1		759.582 MHz	12.68 dBm	Occ SW Control	759.582 MHz
M1	1		759.582 MHz	12.68 dBm	Occ SW Offset	759.582 MHz

TM3p1, 10 MHz, mid channel



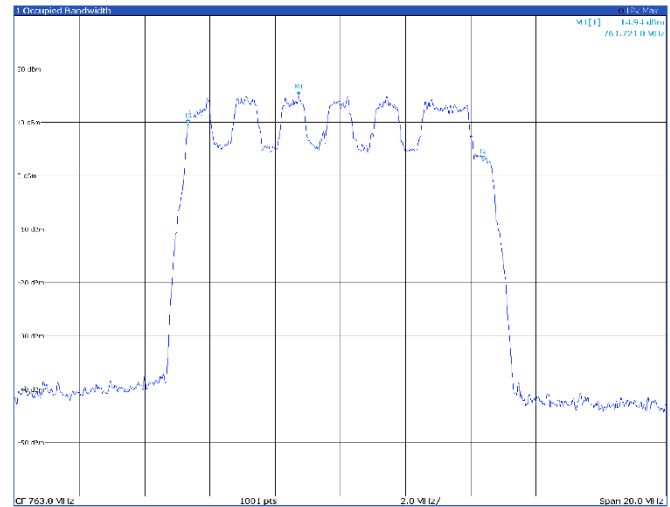
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		758.405 MHz	13.81 dBm	Occ SW	9.260433799 MHz
M1	1		758.405 MHz	13.81 dBm	Occ SW Control	758.405 MHz
M1	1		758.405 MHz	13.81 dBm	Occ SW Offset	758.405 MHz

TM3p1a, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.702 MHz	13.61 dBm	Occ SW	9.303128212 MHz
M1	1		760.702 MHz	13.61 dBm	Occ SW Control	760.702 MHz
M1	1		760.702 MHz	13.61 dBm	Occ SW Offset	760.702 MHz

TM3p3, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		761.721 MHz	14.94 dBm	Occ SW	9.043791807 MHz
M1	1		761.721 MHz	14.94 dBm	Occ SW Control	761.721 MHz
M1	1		761.721 MHz	14.94 dBm	Occ SW Offset	761.721 MHz

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	November 27, 2024	Temperature	22 °C
Test end date	December 13, 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 n14: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM1.1	760.5	5.01
n14	5 MHz	TM1.1	763.0	5.05
n14	5 MHz	TM1.1	765.5	5.04
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM3p1	760.5	5.07
n14	5 MHz	TM3p1	763.0	5.04
n14	5 MHz	TM3p1	765.5	5.05
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM3p1a	760.5	5.07
n14	5 MHz	TM3p1a	763.0	5.03
n14	5 MHz	TM3p1a	765.5	5.05
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM3p3	760.5	5.07
n14	5 MHz	TM3p3	763.0	5.08
n14	5 MHz	TM3p3	765.5	5.08
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM1.1	n/a	-
n14	10 MHz	TM1.1	763.0	10.11
n14	10 MHz	TM1.1	n/a	-
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM3p1	n/a	-
n14	10 MHz	TM3p1	763.0	9.99
n14	10 MHz	TM3p1	n/a	-
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM3p1a	n/a	-
n14	10 MHz	TM3p1a	763.0	10.07
n14	10 MHz	TM3p1a	n/a	-
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM3p3	n/a	-
n14	10 MHz	TM3p3	763.0	9.93
n14	10 MHz	TM3p3	n/a	-

Band n14: Antenna port 2

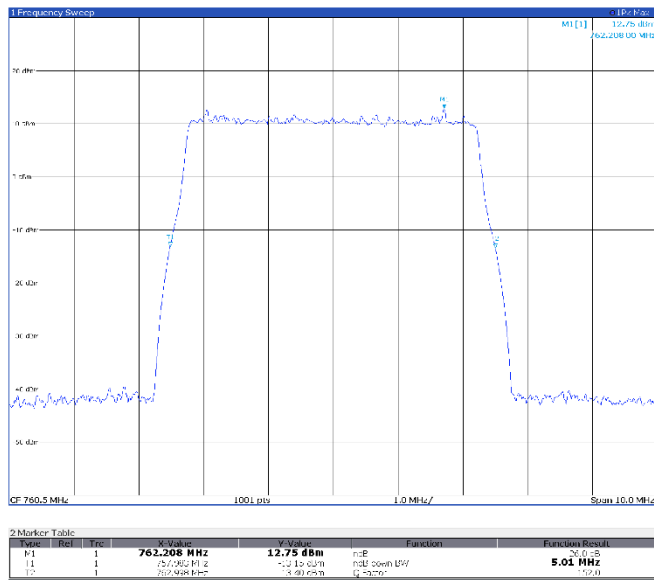
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM1.1	760.5	5.04
n14	5 MHz	TM1.1	763.0	5.00
n14	5 MHz	TM1.1	765.5	5.04
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM3p1	760.5	5.07
n14	5 MHz	TM3p1	763.0	5.05
n14	5 MHz	TM3p1	765.5	5.04
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM3p1a	760.5	5.07
n14	5 MHz	TM3p1a	763.0	5.07
n14	5 MHz	TM3p1a	765.5	5.04
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	5 MHz	TM3p3	760.5	5.00
n14	5 MHz	TM3p3	763.0	5.08
n14	5 MHz	TM3p3	765.5	4.99
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM1.1	n/a	-
n14	10 MHz	TM1.1	763.0	10.09
n14	10 MHz	TM1.1	n/a	-
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM3p1	n/a	-
n14	10 MHz	TM3p1	763.0	10.03
n14	10 MHz	TM3p1	n/a	-
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM3p1a	n/a	-
n14	10 MHz	TM3p1a	763.0	10.05
n14	10 MHz	TM3p1a	n/a	-
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n14	10 MHz	TM3p3	n/a	-
n14	10 MHz	TM3p3	763.0	9.95
n14	10 MHz	TM3p3	n/a	-

Antenna port 1

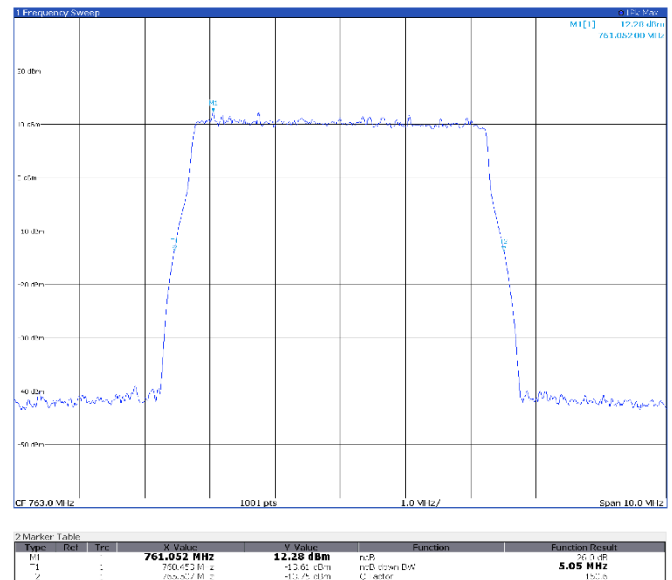
Band n14

5 MHz

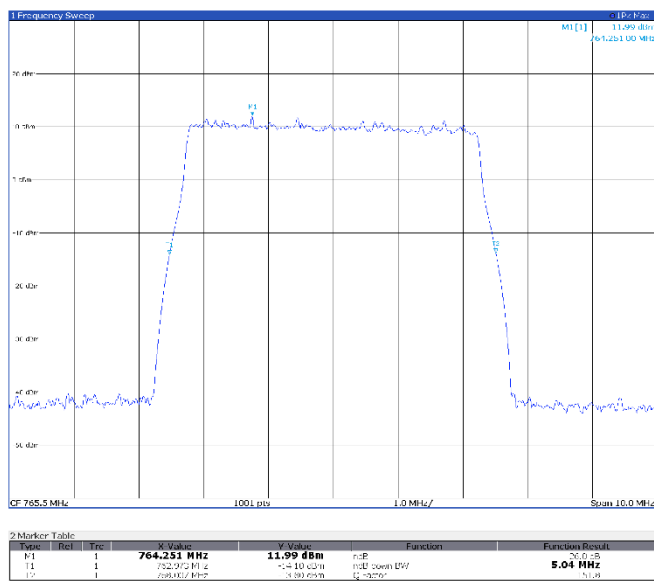
TM1.1, 5 MHz, low channel



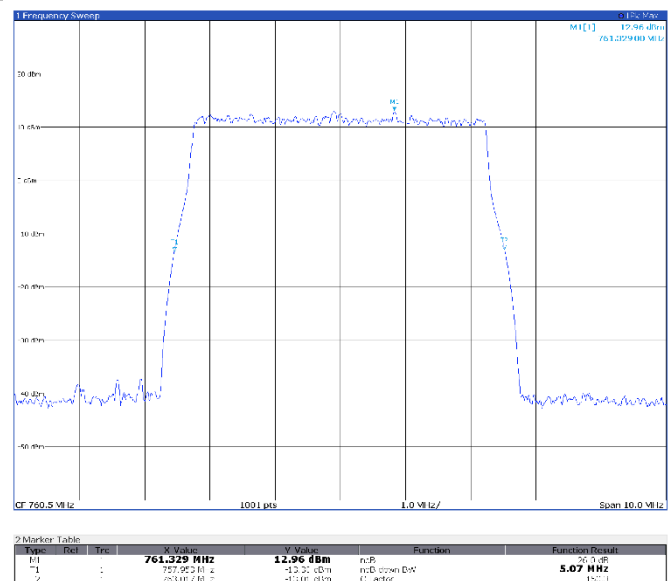
TM1.1, 5 MHz, mid channel

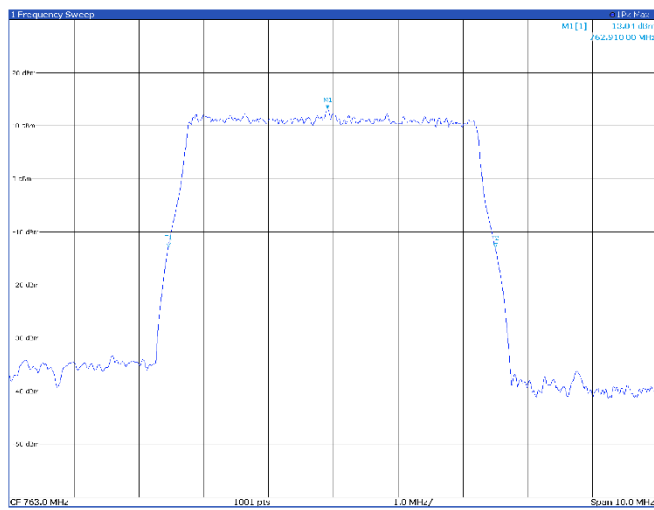


TM1.1, 5 MHz, high channel

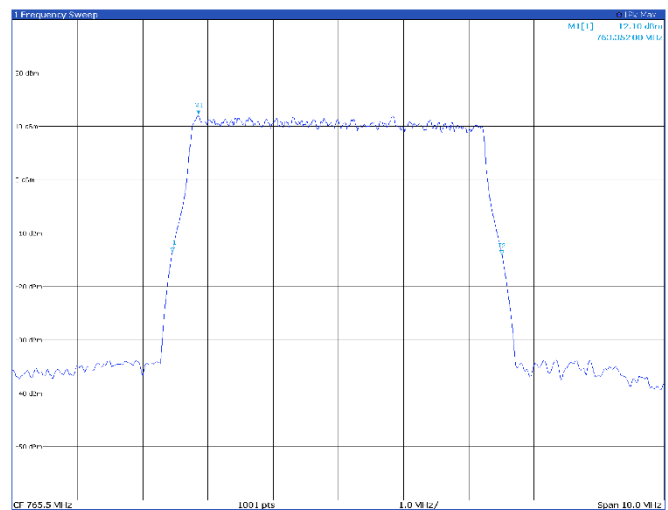


TM3p1, 5 MHz, low channel

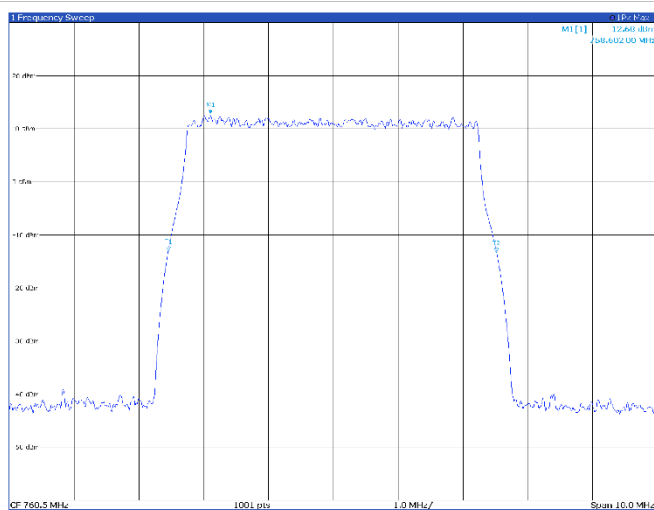


TM3p1, 5 MHz, mid channel


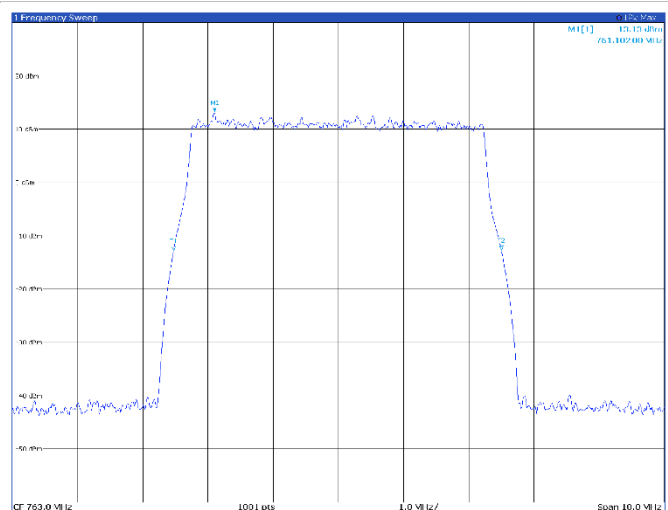
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		762.91 MHz	13.04 dBm	nB	20.0 dB	5.04 MHz
M2	1		762.91 MHz	12.90 dBm	nB	20.0 dB	5.04 MHz
M3	1		762.91 MHz	12.90 dBm	nB	20.0 dB	5.04 MHz

TM3p1, 5 MHz, high channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		762.91 MHz	12.10 dBm	nB	20.0 dB	5.05 MHz
M2	1		762.91 MHz	12.00 dBm	nB	20.0 dB	5.05 MHz
M3	1		762.91 MHz	12.00 dBm	nB	20.0 dB	5.05 MHz

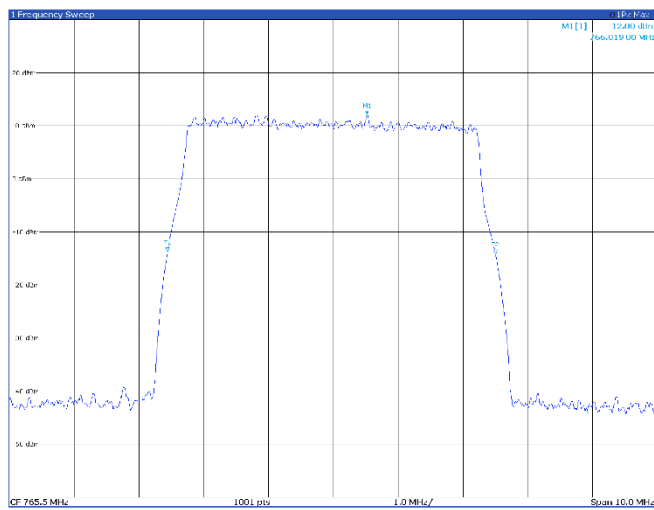
TM3p1a, 5 MHz, low channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		758.602 MHz	12.66 dBm	nB	20.0 dB	5.07 MHz
M2	1		758.602 MHz	12.50 dBm	nB	20.0 dB	5.07 MHz
M3	1		758.602 MHz	12.50 dBm	nB	20.0 dB	5.07 MHz

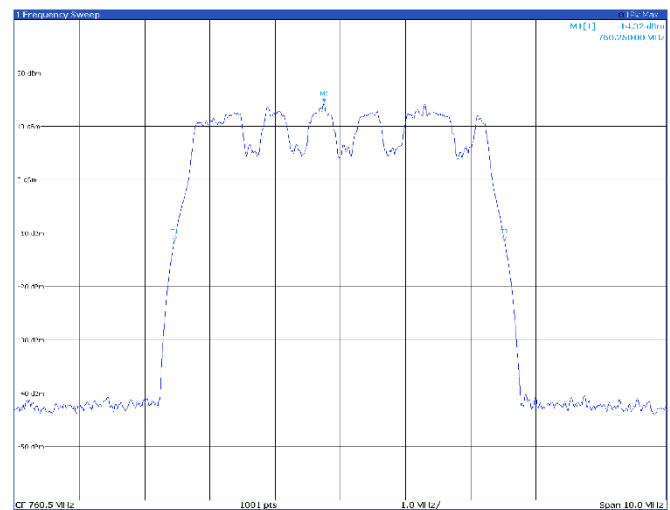
TM3p1a, 5 MHz, mid channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		761.102 MHz	13.13 dBm	nB	20.0 dB	5.03 MHz
M2	1		761.102 MHz	12.75 dBm	nB	20.0 dB	5.03 MHz
M3	1		761.102 MHz	12.75 dBm	nB	20.0 dB	5.03 MHz

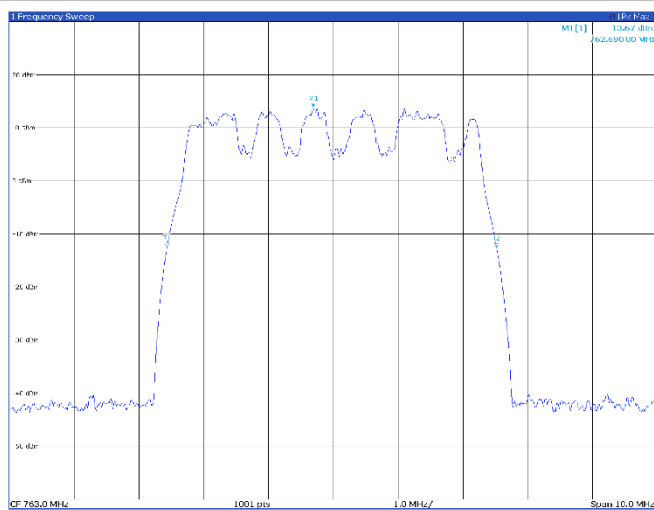
TM3p1a, 5 MHz, high channel



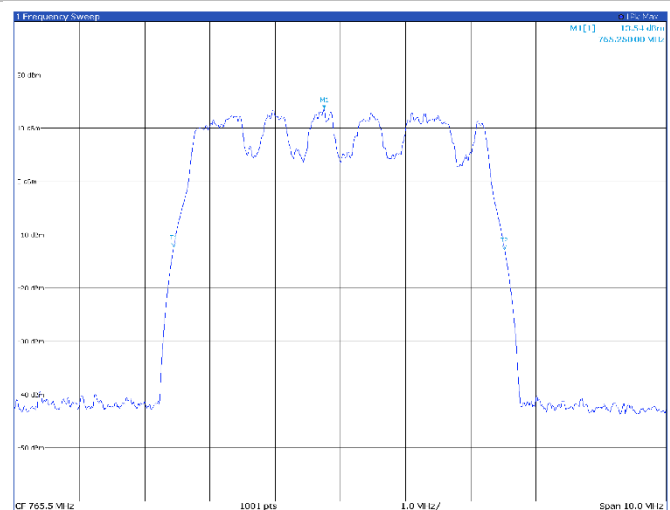
TM3p3, 5 MHz, low channel



TM3p3, 5 MHz, mid channel



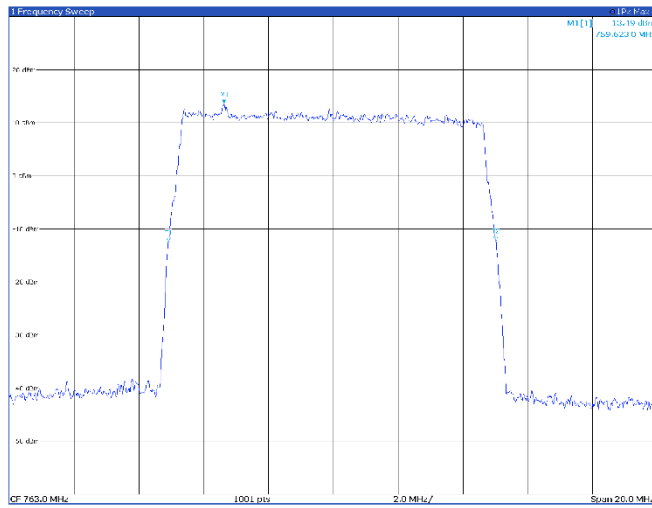
TM3p3, 5 MHz, high channel



Band n14

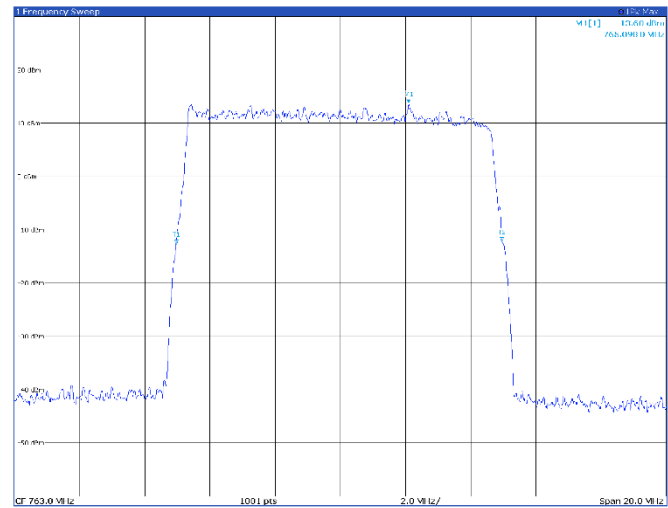
10 MHz

TM1.1, 10 MHz, mid channel



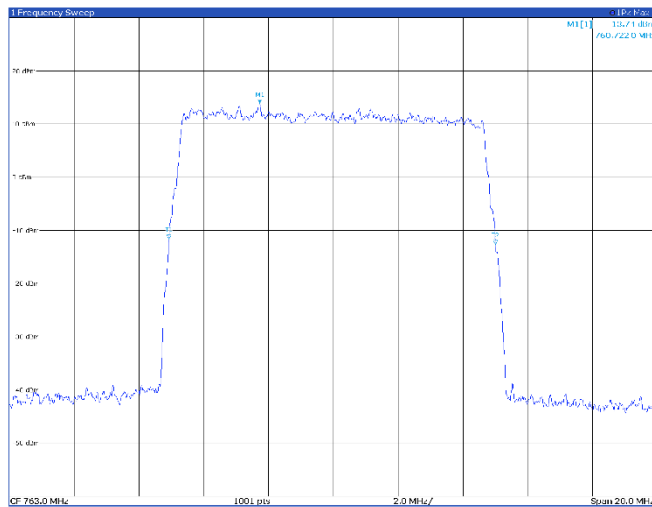
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		759.623 MHz	13.49 dBm	nB	10.11 MHz
M1	1		759.623 MHz	13.49 dBm	nB	10.11 MHz
M1	1		759.623 MHz	13.49 dBm	nB	10.11 MHz

TM3p1, 10 MHz, mid channel



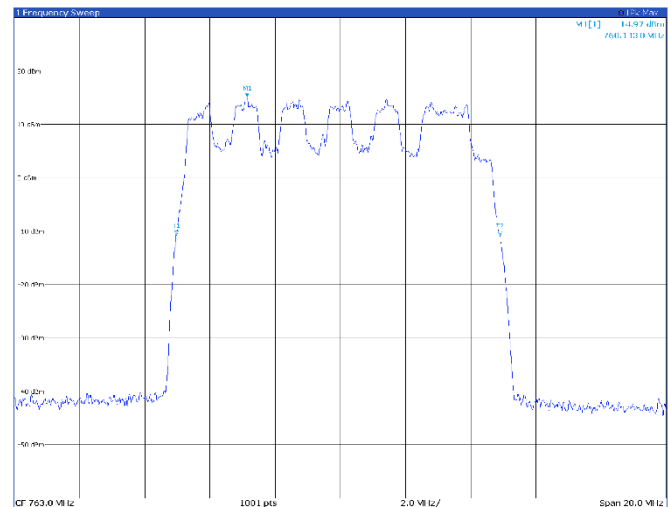
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		759.098 MHz	13.60 dBm	nB	9.99 MHz
M1	1		759.098 MHz	13.60 dBm	nB	9.99 MHz
M1	1		759.098 MHz	13.60 dBm	nB	9.99 MHz

TM3p1a, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.722 MHz	13.74 dBm	nB	10.07 MHz
M1	1		760.722 MHz	13.74 dBm	nB	10.07 MHz
M1	1		760.722 MHz	13.74 dBm	nB	10.07 MHz

TM3p3, 10 MHz, mid channel



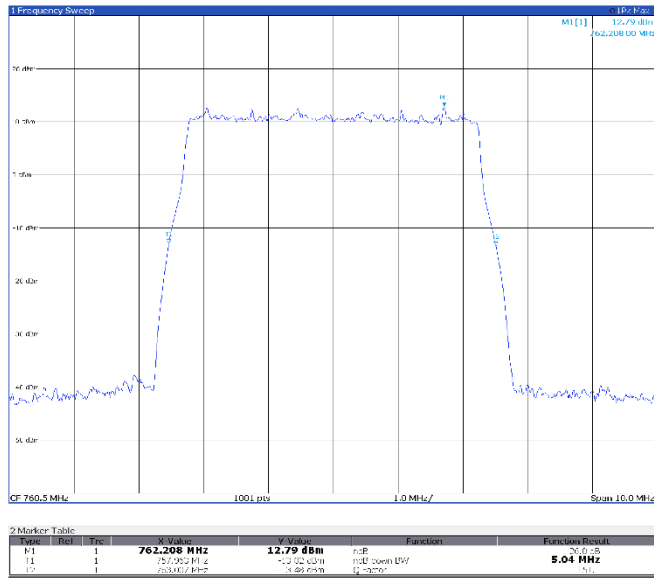
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		760.143 MHz	14.97 dBm	nB	9.93 MHz
M1	1		760.143 MHz	14.97 dBm	nB	9.93 MHz
M1	1		760.143 MHz	14.97 dBm	nB	9.93 MHz

Antenna port 2

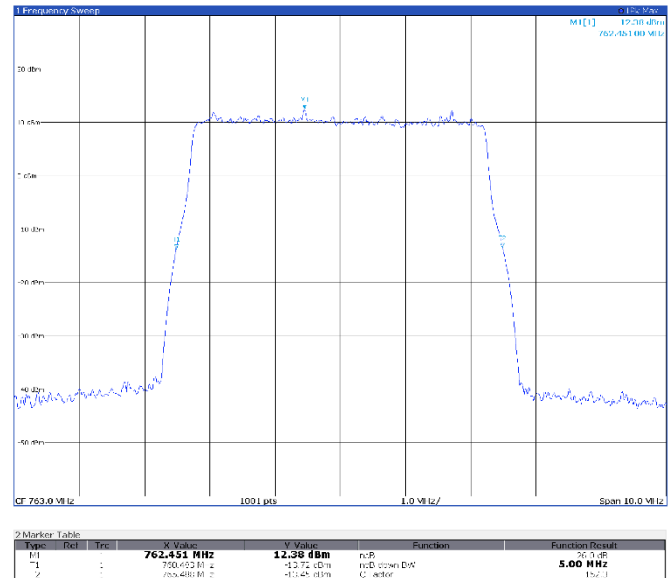
Band n14

5 MHz

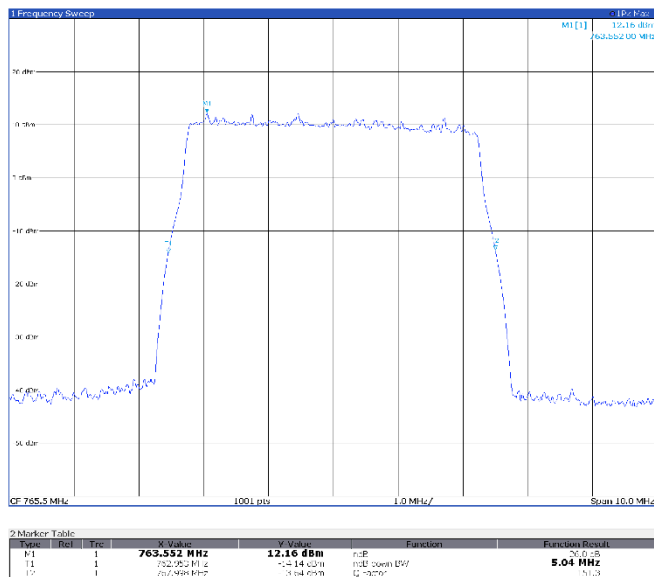
TM1.1, 5 MHz, low channel



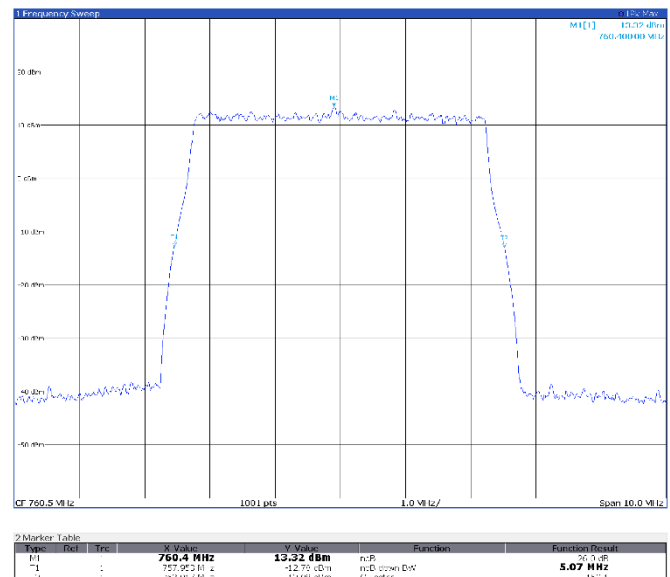
TM1.1, 5 MHz, mid channel



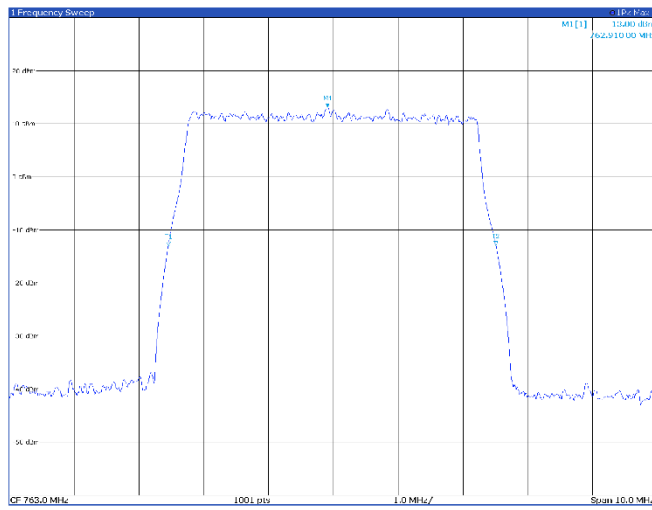
TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

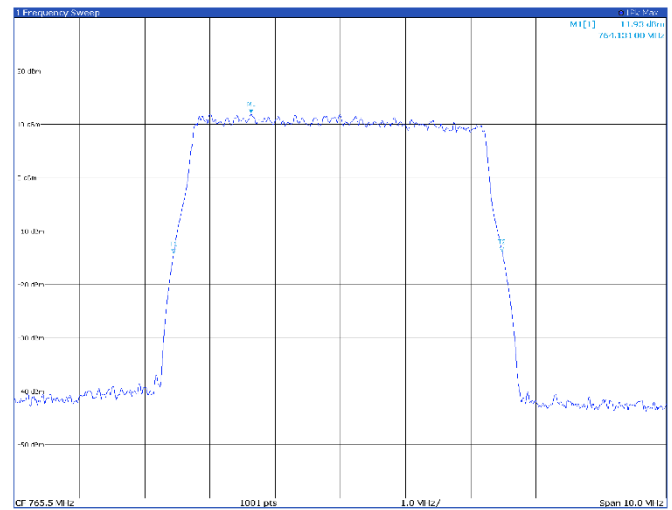


TM3p1, 5 MHz, mid channel



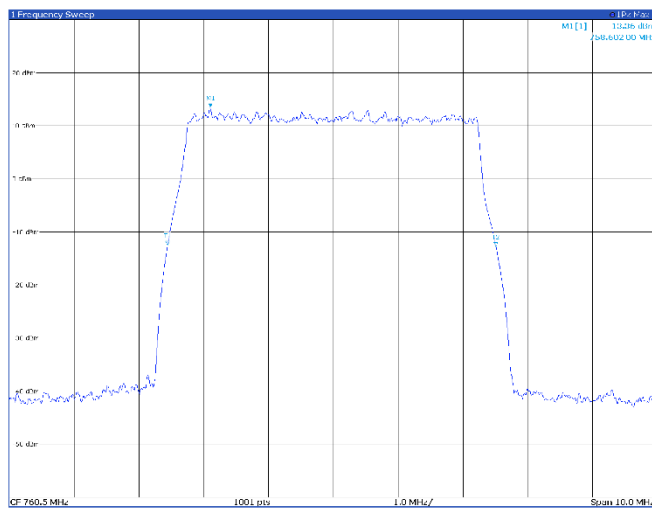
Type	Ref	Trc	X-Value	Y-Value	nB	Function	Function Result
M1	1	1	761.000 MHz	13.00 dBm	nB	30.0 dB	5.05 MHz
M1	1	1	760.450 MHz	-12.04 dBm	nB	dB down BW	
M2	1	1	761.550 MHz	-12.04 dBm	nB	dB down BW	

TM3p1, 5 MHz, high channel



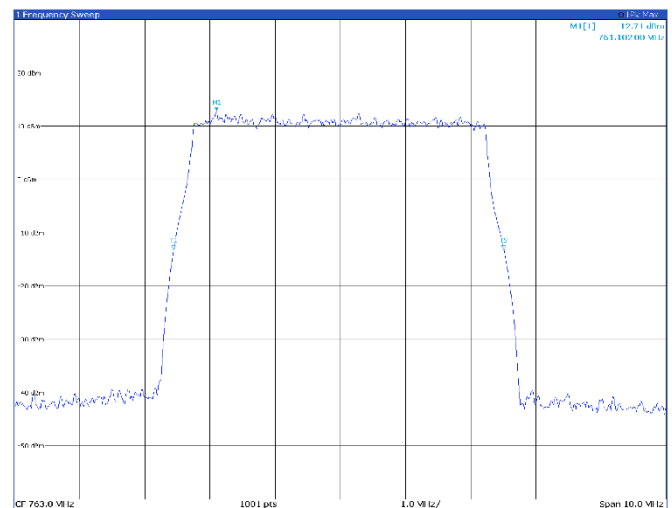
Type	Ref	Trc	X-Value	Y-Value	nB	Function	Function Result
M1	1	1	766.000 MHz	11.90 dBm	nB	30.0 dB	5.04 MHz
M1	1	1	765.450 MHz	-12.17 dBm	nB	dB down BW	
M2	1	1	766.550 MHz	-12.17 dBm	nB	dB down BW	

TM3p1a, 5 MHz, low channel

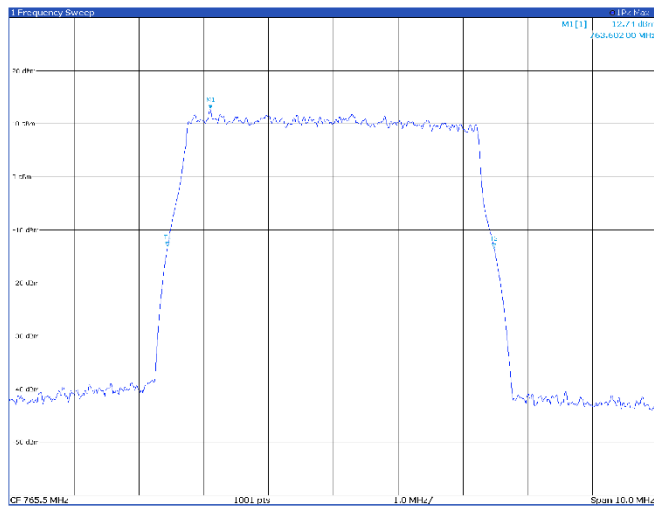


Type	Ref	Trc	X-Value	Y-Value	nB	Function	Function Result
M1	1	1	759.000 MHz	13.36 dBm	nB	30.0 dB	5.07 MHz
M1	1	1	757.940 MHz	-12.53 dBm	nB	dB down BW	
M2	1	1	760.060 MHz	-12.53 dBm	nB	dB down BW	

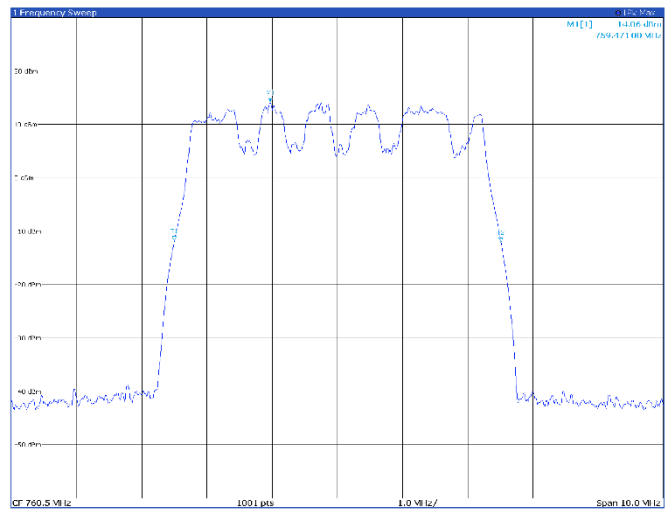
TM3p1a, 5 MHz, mid channel



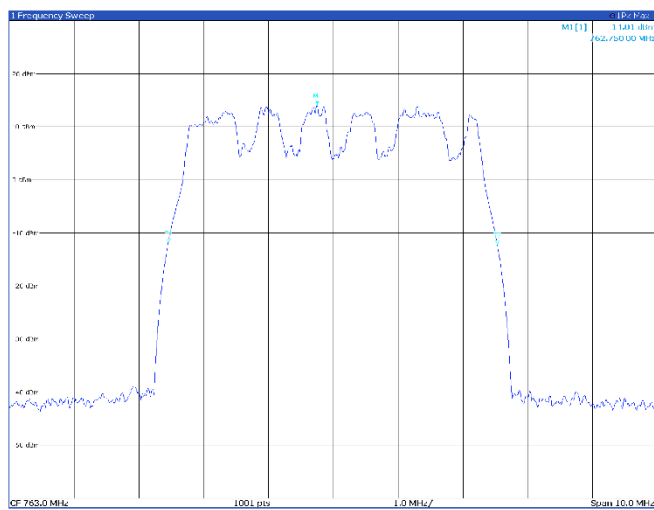
Type	Ref	Trc	X-Value	Y-Value	nB	Function	Function Result
M1	1	1	761.000 MHz	12.71 dBm	nB	30.0 dB	5.07 MHz
M1	1	1	760.450 MHz	-12.25 dBm	nB	dB down BW	
M2	1	1	761.550 MHz	-12.25 dBm	nB	dB down BW	

TM3p1a, 5 MHz, high channel


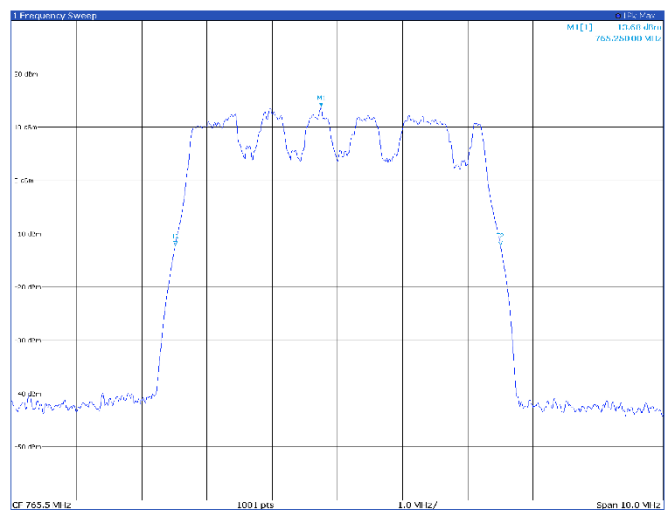
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		763.602 MHz	12.74 dBm	nB	30.0 dB	
T1	1		752.042 MHz	-13.14 dBm	nB	down BW	5.04 MHz
T2	1		762.400 MHz	-13.29 dBm	nB	up BW	

TM3p3, 5 MHz, low channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		759.471 MHz	14.06 dBm	nB	30.0 dB	
T1	1		750.020 MHz	-11.77 dBm	nB	down BW	5.00 MHz
T2	1		763.007 MHz	-12.46 dBm	nB	up BW	

TM3p3, 5 MHz, mid channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		762.75 MHz	14.01 dBm	nB	30.0 dB	
T1	1		750.452 MHz	-13.53 dBm	nB	down BW	5.08 MHz
T2	1		765.007 MHz	-12.27 dBm	nB	up BW	

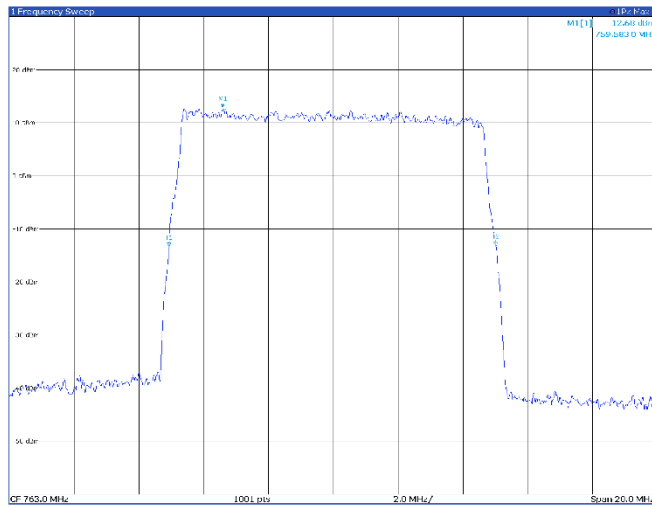
TM3p3, 5 MHz, high channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		765.25 MHz	13.68 dBm	nB	30.0 dB	
T1	1		753.020 MHz	-12.27 dBm	nB	down BW	4.99 MHz
T2	1		768.480 MHz	-12.77 dBm	nB	up BW	

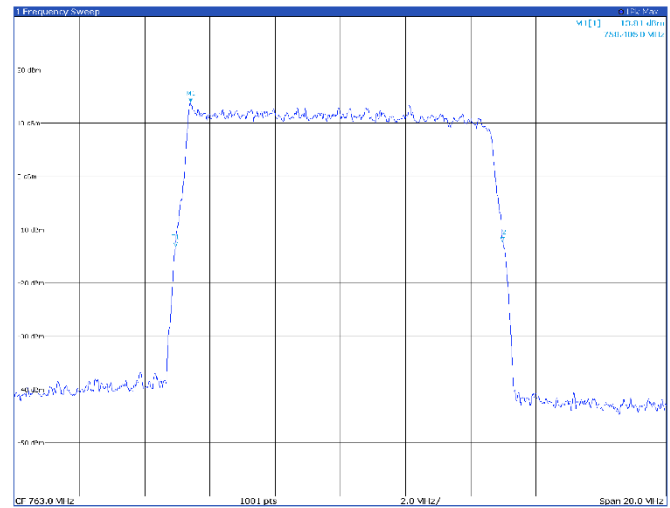
Band n14

10 MHz

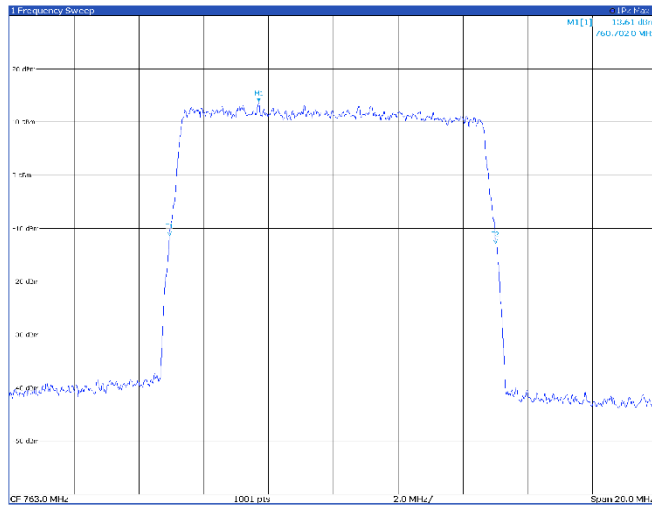
TM1.1, 10 MHz, mid channel



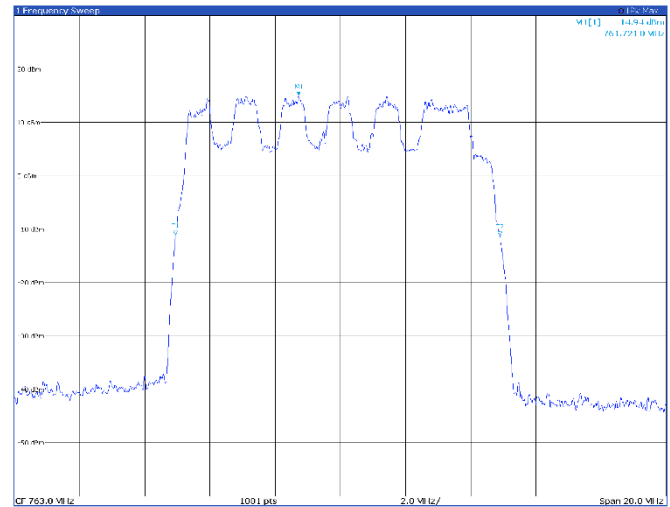
TM3p1, 10 MHz, mid channel



TM3p1a, 10 MHz, mid channel



TM3p3, 10 MHz, mid channel



8.4 FCC §90.542(a)(3) Broadband transmitting power limits.

8.4.1 Definitions and limits

(a) The following power limits apply to the **758-768/788-798 MHz** band:

(3) Fixed and base stations transmitting a signal in the 758-768 MHz band with an emission bandwidth greater than 1 MHz must not exceed an ERP **1000 watts/MHz (60 dBm/MHz)** and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 1000 watts/MHz ERP accordance with Table 3 of this section.

(6) Control stations and mobile stations transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 30 watts ERP.

8.4.2 Test summary

Test start date	November 27, 2024	Temperature	22 °C
Test end date	December 13, 2024	Air pressure	1001 mbar
Test engineer	O. Frau	Relative humidity	62%
Verdict	Pass		

8.4.3 Observations, settings and special notes

Test method: ANSI C63.26 Section 5.2.4.5

Spectrum analyzer settings:

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Frequency span	>= 1.5* OBW
Detector mode	Peak
Trace mode	Max Hold

This test was made across the conducted port and using a sensor power. An offset of 30 dB was added to the measurement to compensate the loss of the external 30 dB attenuator. Interconnecting cable losses were included as a transducer factor in the spectrum analyzer.

8.4.4 Test equipment used

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

8.4.5 Test data

Band n14:

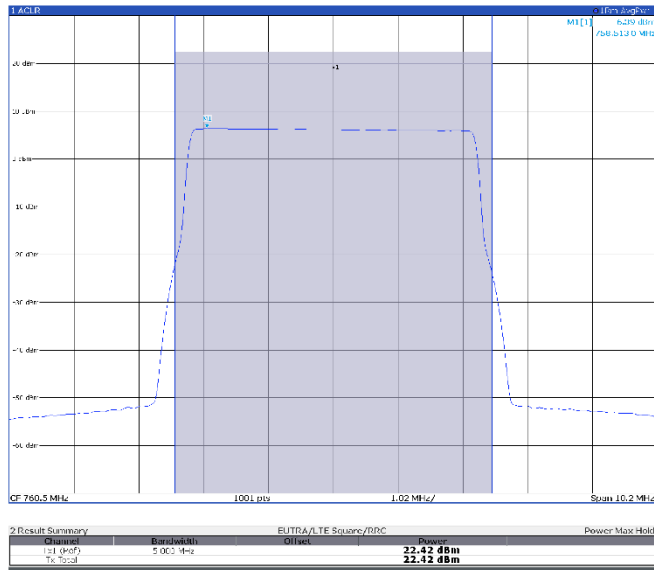
Modulation	OBW (MHz)	Frequency (MHz)	Measured Power Density (dBm/MHz) port 1	Measured Power Density (dBm/MHz) port 2	Antenna Gain Max (dBi)	Total EIRP Power Density (dBm/MHz)	Measured Power (dBm) port 1	Measured Power (dBm) port 2	Limits Power (dBm)	Margin (dB)
TM1.1	5	760.5	6.29	6.42	3.7	13.07	22.42	22.46	60.0	-46.93
TM3p1	5	760.5	6.41	6.45	3.7	13.14	22.44	22.49	60.0	-46.86
TM3p1a	5	760.5	6.32	6.38	3.7	13.06	22.50	22.44	60.0	-46.94
TM3p3	5	760.5	8.31	8.28	3.7	15.01	22.46	22.45	60.0	-44.99
TM1.1	5	763.0	6.18	6.23	3.7	12.92	22.26	22.25	60.0	-47.08
TM3p1	5	763.0	6.20	6.30	3.7	12.96	22.17	22.24	60.0	-47.04
TM3p1a	5	763.0	6.16	6.18	3.7	12.88	22.20	22.19	60.0	-47.12
TM3p3	5	763.0	8.08	8.15	3.7	14.83	22.18	22.19	60.0	-45.17
TM1.1	5	765.5	5.91	5.91	3.7	12.62	21.74	21.61	60.0	-47.38
TM3p1	5	765.5	6.01	6.02	3.7	12.73	21.80	21.69	60.0	-47.27
TM3p1a	5	765.5	5.82	5.94	3.7	12.59	21.69	21.60	60.0	-47.41
TM3p3	5	765.5	7.71	7.77	3.7	14.45	21.61	21.57	60.0	-45.55
TM1.1	10	n/a	-	-	-	-	-	-	-	-
TM3p1	10	n/a	-	-	-	-	-	-	-	-
TM3p1a	10	n/a	-	-	-	-	-	-	-	-
TM3p3	10	n/a	-	-	-	-	-	-	-	-
TM1.1	10	763.0	3.04	3.08	3.7	9.77	22.12	22.11	60.0	-50.23
TM3p1	10	763.0	3.15	3.18	3.7	9.88	22.12	22.10	60.0	-50.12
TM3p1a	10	763.0	3.18	3.17	3.7	9.89	22.15	22.10	60.0	-50.11
TM3p3	10	763.0	5.23	5.37	3.7	12.01	22.11	22.11	60.0	-47.99
TM1.1	10	n/a	-	-	-	-	-	-	-	-
TM3p1	10	n/a	-	-	-	-	-	-	-	-
TM3p1a	10	n/a	-	-	-	-	-	-	-	-
TM3p3	10	n/a	-	-	-	-	-	-	-	-

Antenna port 1

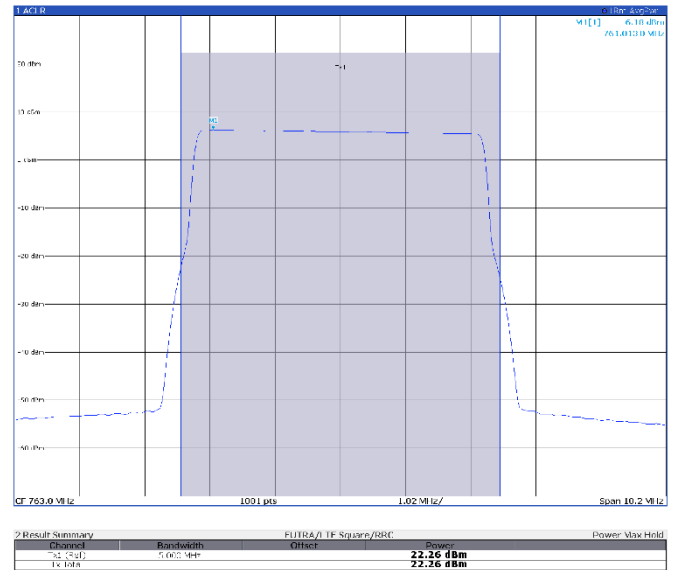
Band n14

5 MHz

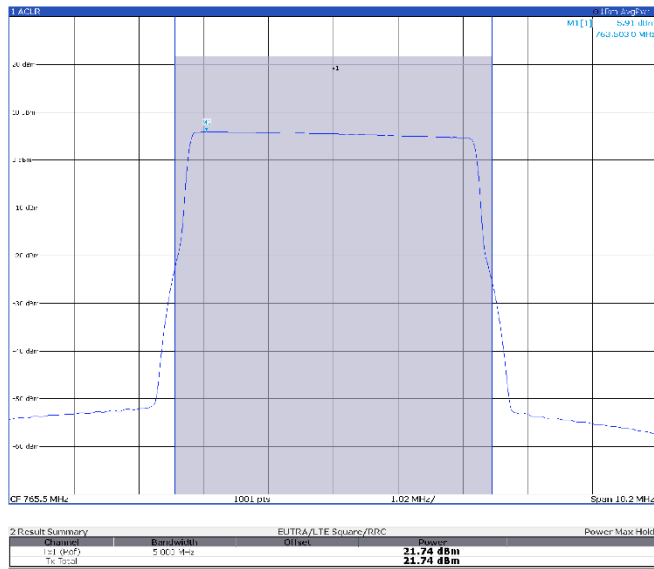
TM1.1, 5 MHz, low channel



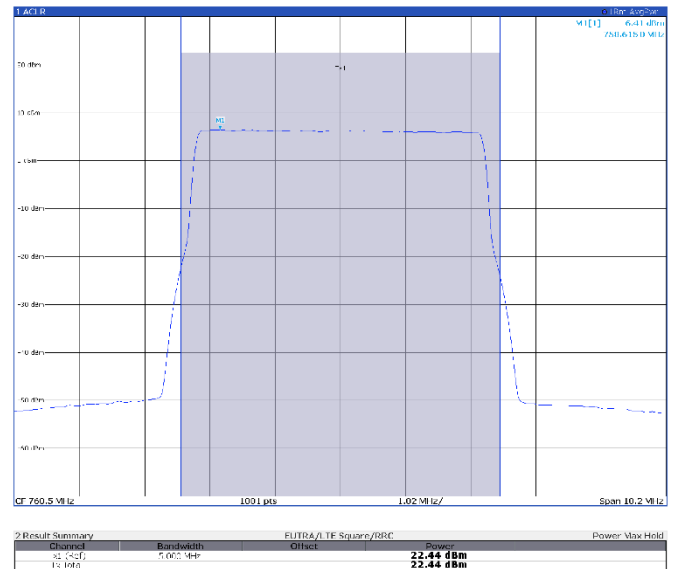
TM1.1, 5 MHz, mid channel



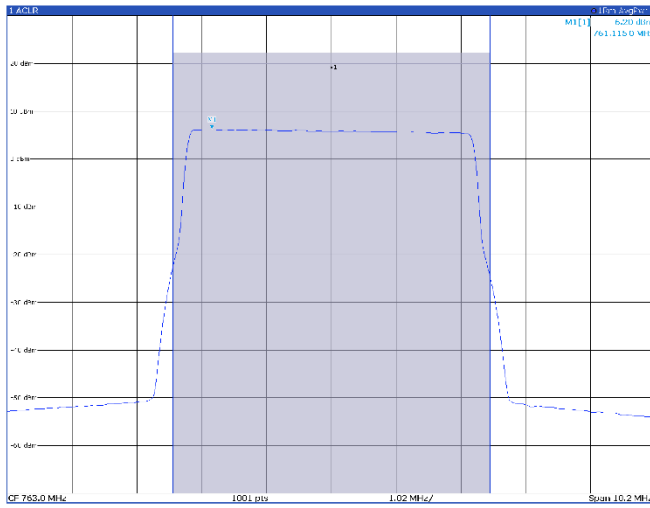
TM1.1, 5 MHz, high channel



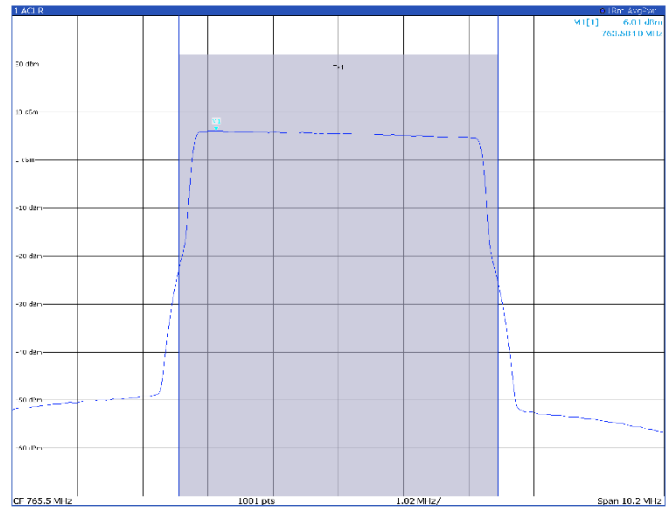
TM3p1, 5 MHz, low channel



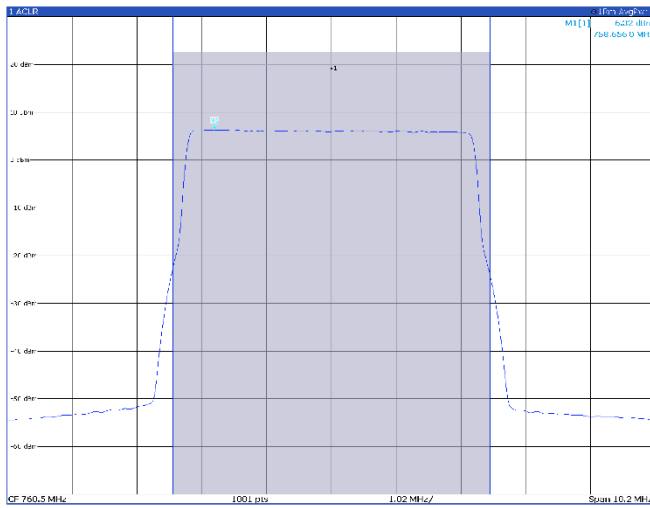
TM3p1, 5 MHz, mid channel



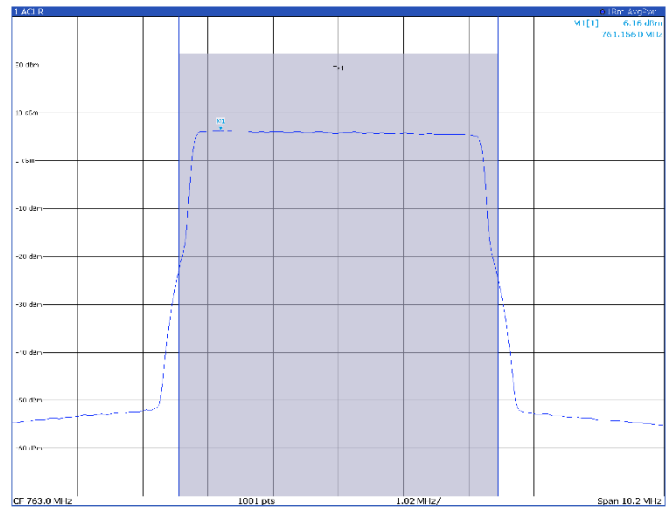
TM3p1, 5 MHz, high channel



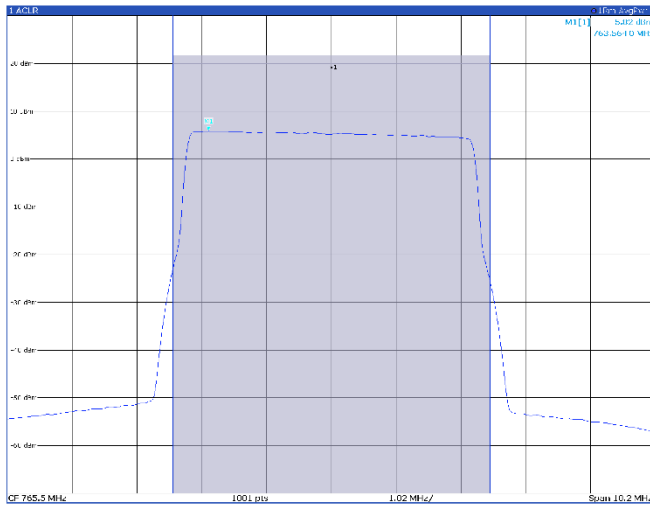
TM3p1a, 5 MHz, low channel



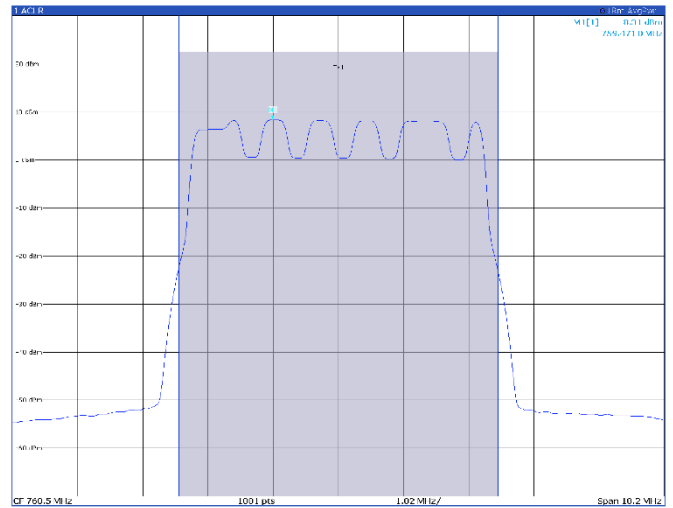
TM3p1a, 5 MHz, mid channel



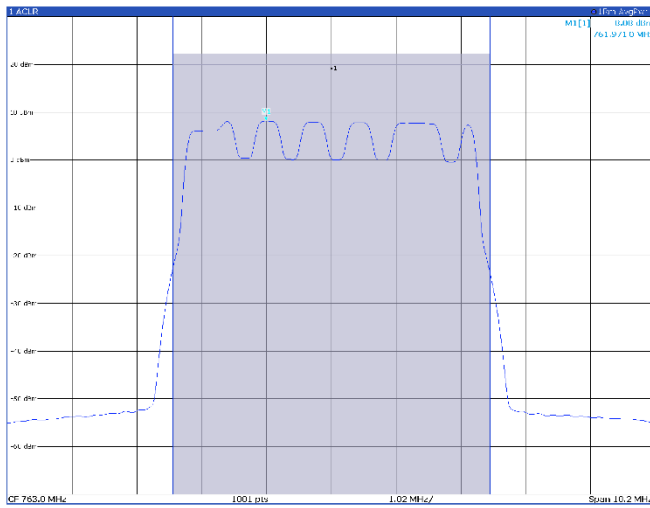
TM3p1a, 5 MHz, high channel



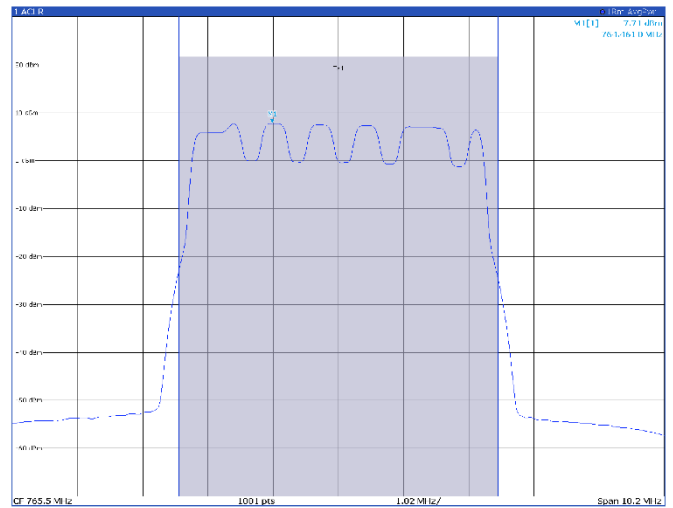
TM3p3, 5 MHz, low channel



TM3p3, 5 MHz, mid channel



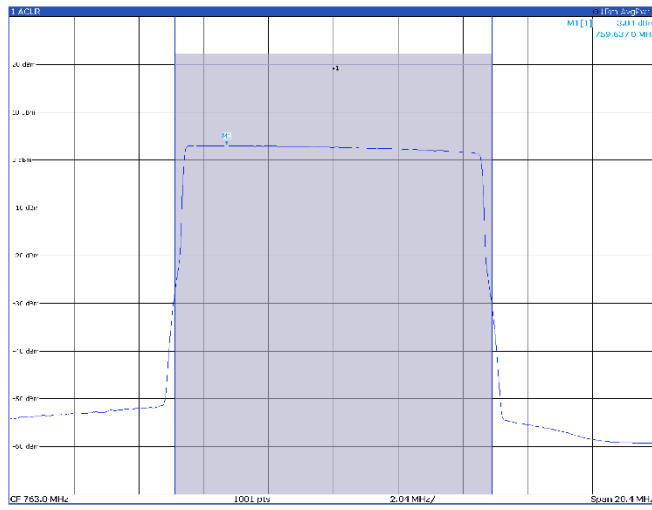
TM3p3, 5 MHz, high channel



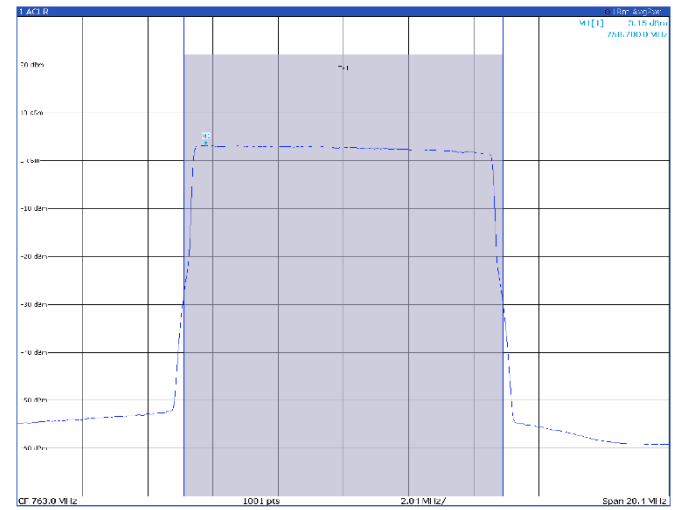
Band n14

10 MHz

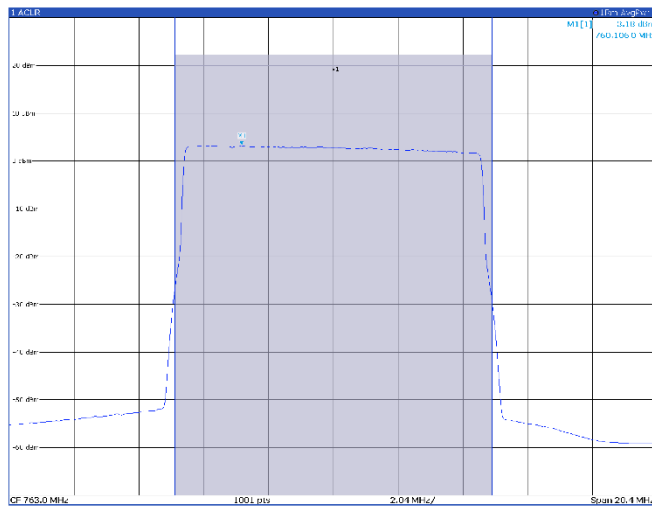
TM1.1, 10 MHz, mid channel



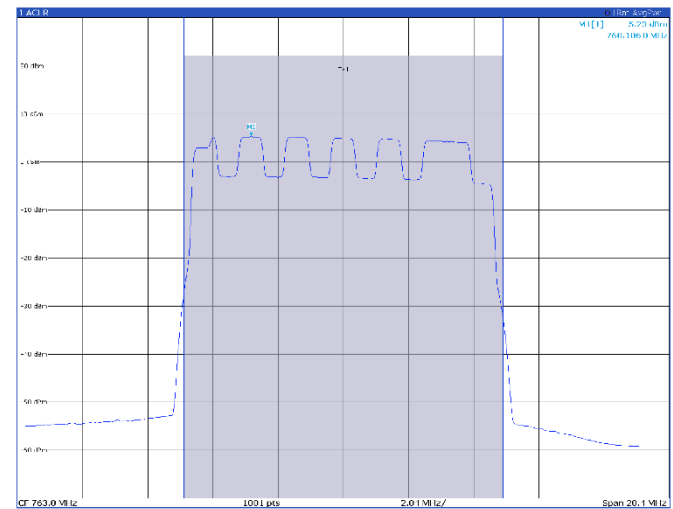
TM3p1, 10 MHz, mid channel



TM3p1a, 10 MHz, mid channel



TM3p3, 10 MHz, mid channel

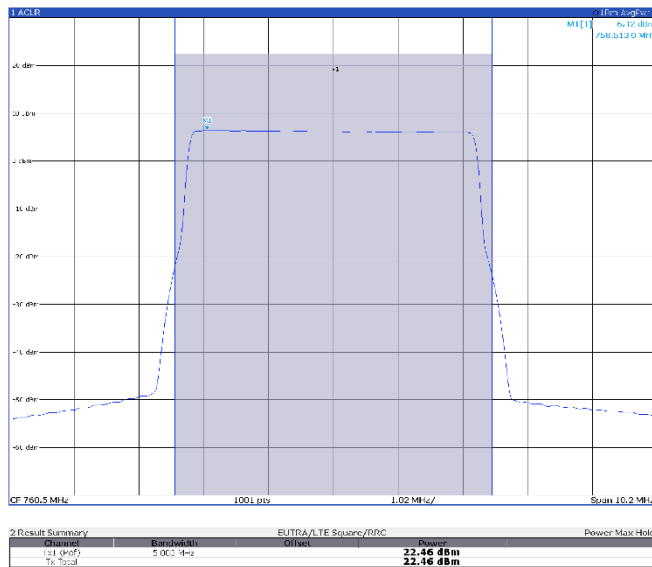


Antenna port 2

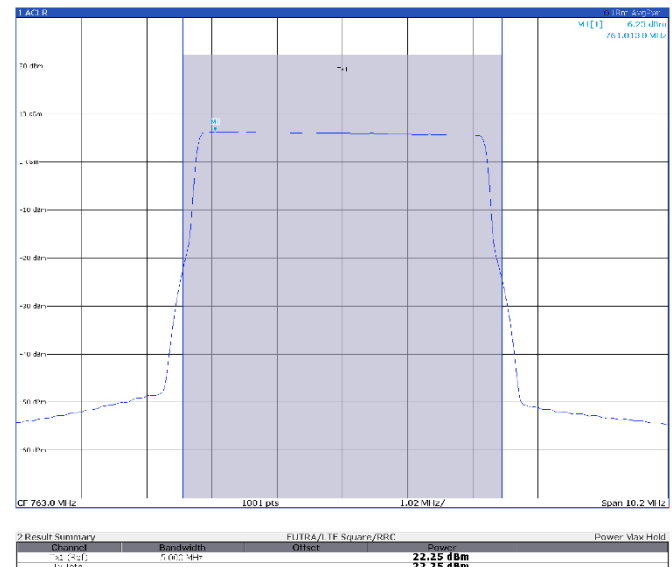
Band n14

5 MHz

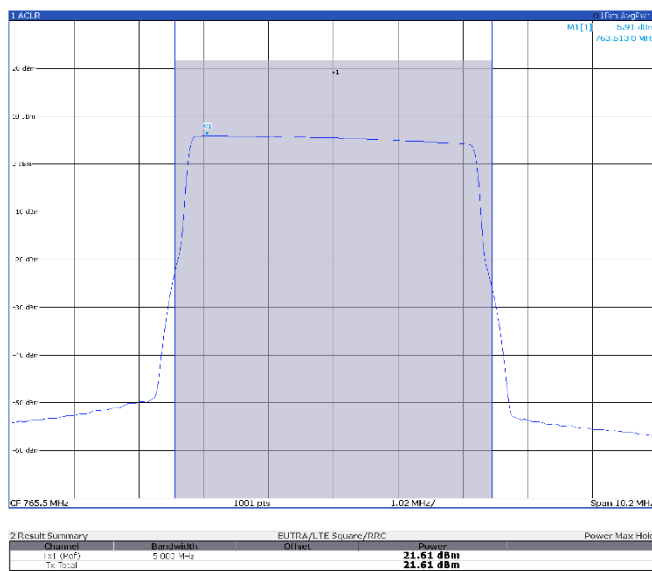
TM1.1, 5 MHz, low channel



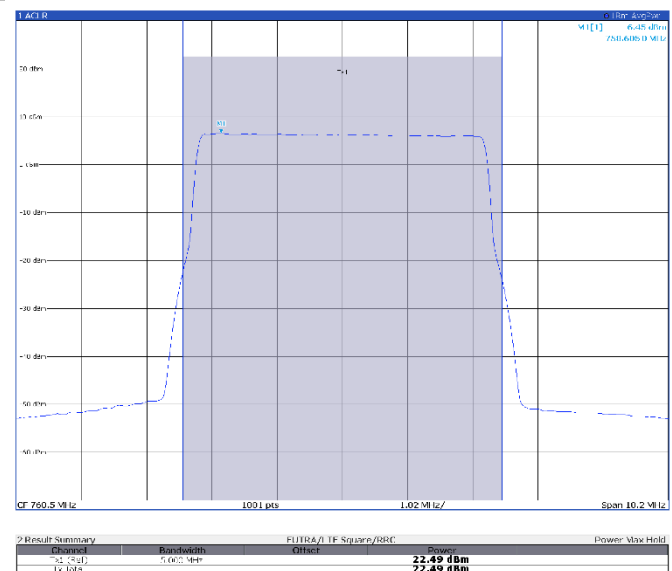
TM1.1, 5 MHz, mid channel



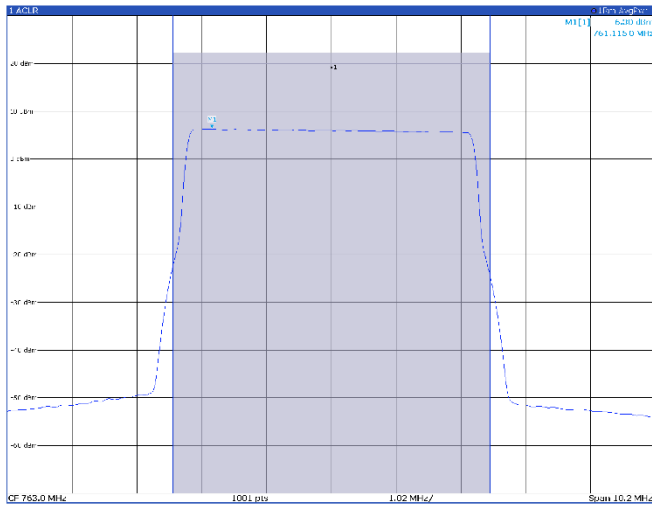
TM1.1, 5 MHz, high channel



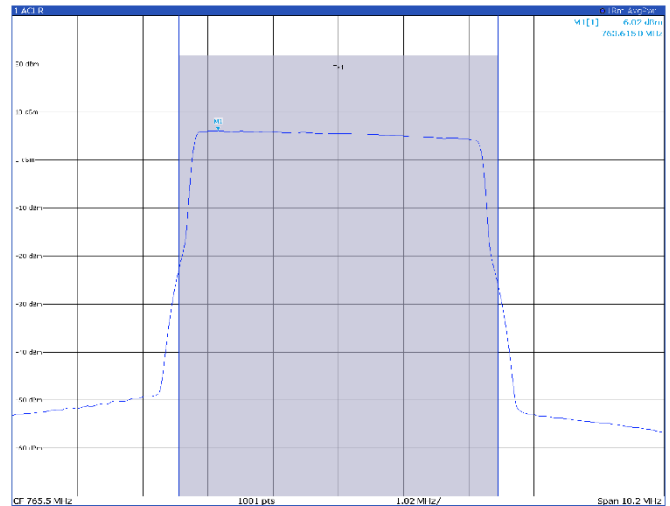
TM3p1, 5 MHz, low channel



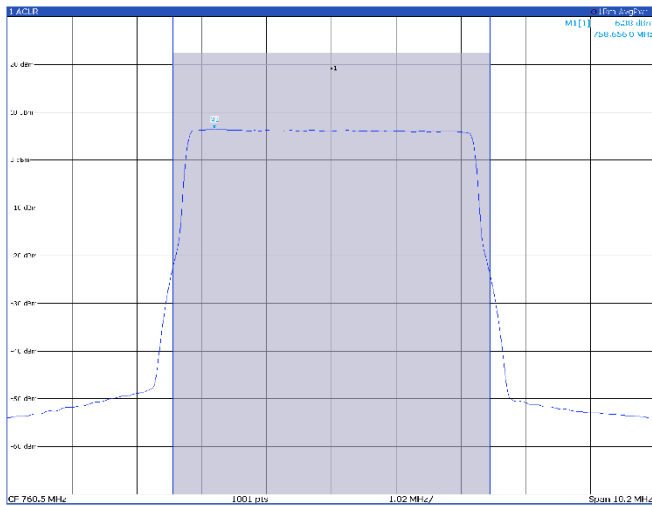
TM3p1, 5 MHz, mid channel



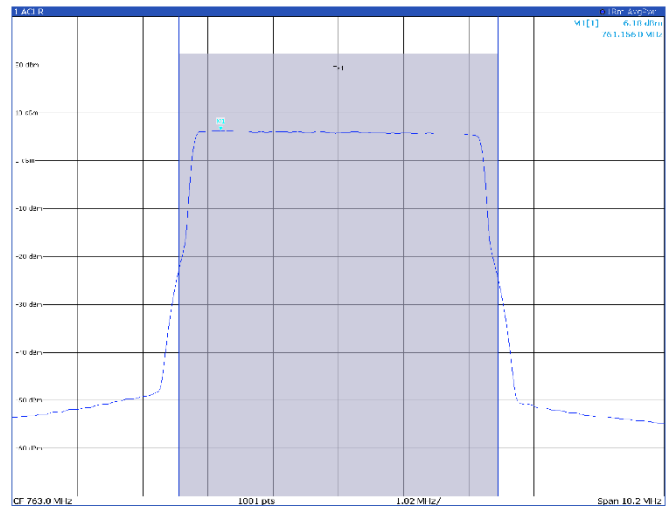
TM3p1, 5 MHz, high channel



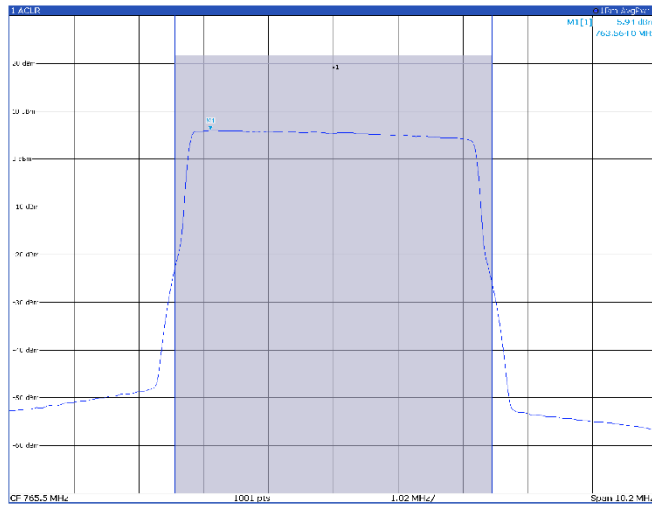
TM3p1a, 5 MHz, low channel



TM3p1a, 5 MHz, mid channel

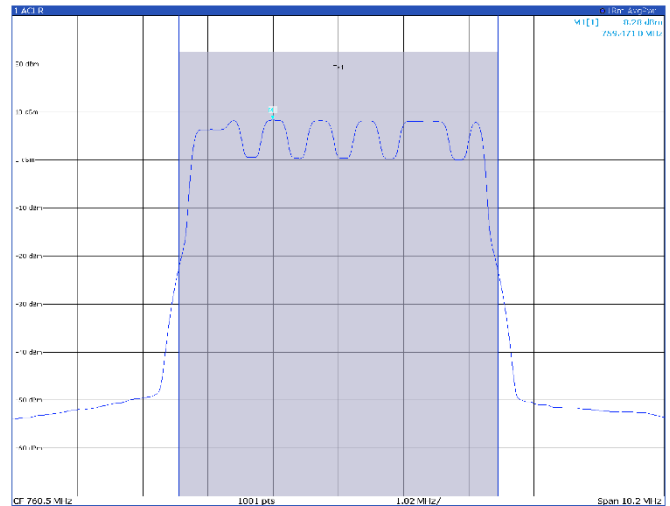


TM3p1a, 5 MHz, high channel



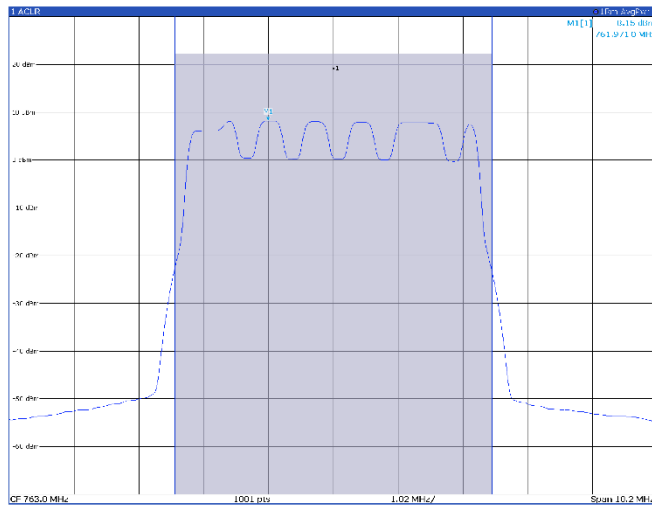
Result Summary			
Channel	Bandwidth	Offset	Power
763.5 MHz	5.000 MHz	0.000 MHz	21.60 dBm
763.5 MHz	5.000 MHz	0.000 MHz	21.60 dBm

TM3p3, 5 MHz, low channel



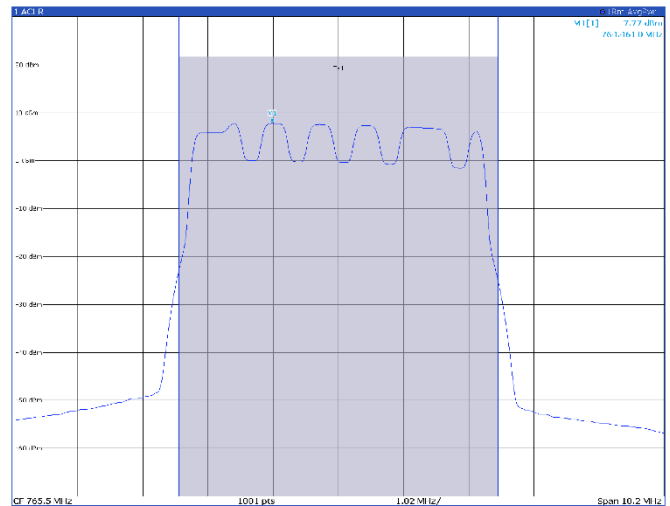
Result Summary			
Channel	Bandwidth	Offset	Power
760.5 MHz	5.000 MHz	0.000 MHz	22.45 dBm
760.5 MHz	5.000 MHz	0.000 MHz	22.45 dBm

TM3p3, 5 MHz, mid channel



Result Summary			
Channel	Bandwidth	Offset	Power
763.0 MHz	5.000 MHz	0.000 MHz	22.19 dBm
763.0 MHz	5.000 MHz	0.000 MHz	22.19 dBm

TM3p3, 5 MHz, high channel

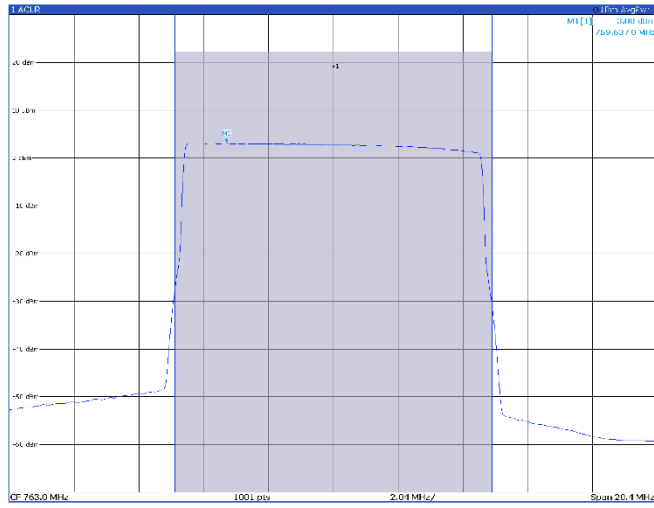


Result Summary			
Channel	Bandwidth	Offset	Power
765.5 MHz	5.000 MHz	0.000 MHz	21.57 dBm
765.5 MHz	5.000 MHz	0.000 MHz	21.57 dBm

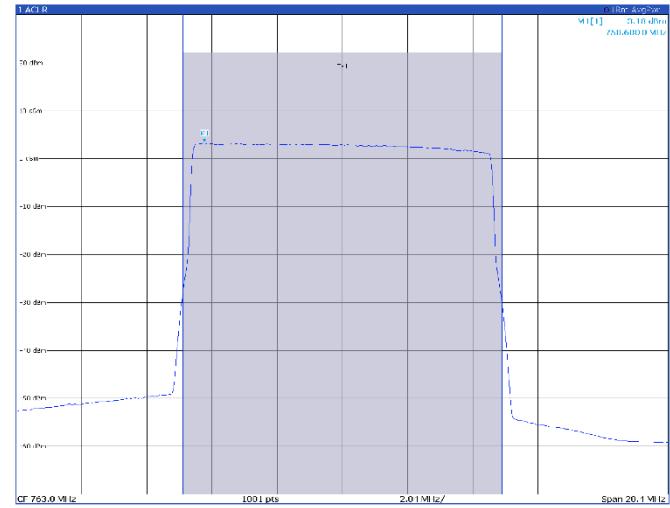
Band n14

10 MHz

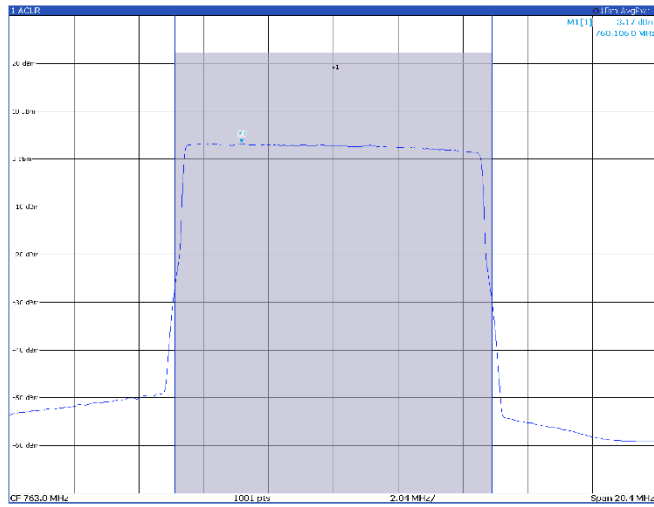
TM1.1, 10 MHz, mid channel



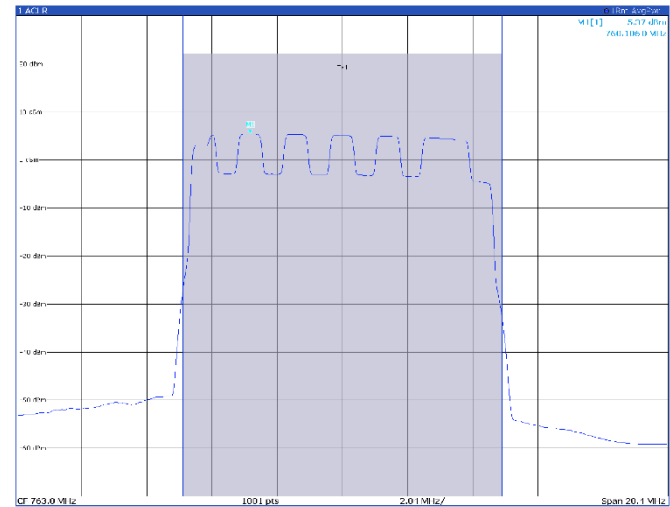
TM3p1, 10 MHz, mid channel



TM3p1a, 10 MHz, mid channel



TM3p3, 10 MHz, mid channel



8.5 FCC §90.542(a)(3) Peak to Average Power Ratio

8.5.1 Definitions and limits

d) (5) Equipment employed must be authorized in accordance with the provisions of § 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

(6) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, and any other relevant factors, so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

8.5.2 Test summary

Test start date	November 27, 2024	Temperature	22 °C
Test end date	December 13, 2024	Air pressure	1001 mbar
Test engineer	O. Frau	Relative humidity	62%
Verdict	Pass		

8.5.3 Observations, settings and special notes

Test method: ANSI C63.26 Section 5.2.3.4.

Spectrum analyzer settings:

Resolution bandwidth	≥ OBW
Number of counts	The necessary number up to stabilizes the measured
Trace mode	Clear/Write

8.5.4 Test equipment used

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

8.5.5 Test data

Antenna 1

Band n14:

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	1	760.5	8.42	13	-4.58
n14	5 MHz	1	763.0	8.48	13	-4.52
n14	5 MHz	1	765.5	8.42	13	-4.58

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	1	760.5	8.38	13	-4.62
n14	5 MHz	1	763.0	8.36	13	-4.64
n14	5 MHz	1	765.5	8.40	13	-4.60

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	1	760.5	8.38	13	-4.62
n14	5 MHz	1	763.0	8.44	13	-4.56
n14	5 MHz	1	765.5	8.46	13	-4.54

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	1	760.5	8.58	13	-4.42
n14	5 MHz	1	763.0	8.54	13	-4.46
n14	5 MHz	1	765.5	8.52	13	-4.48

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	1	n/a	-	-	-
n14	10 MHz	1	763.0	8.48	13	-4.52
n14	10 MHz	1	n/a	-	-	-

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	1	n/a	-	-	-
n14	10 MHz	1	763.0	8.42	13	-4.58
n14	10 MHz	1	n/a	-	-	-

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	1	n/a	-	-	-
n14	10 MHz	1	763.0	8.44	13	-4.56
n14	10 MHz	1	n/a	-	-	-

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	1	n/a	-	-	-
n14	10 MHz	1	763.0	8.54	13	-4.46
n14	10 MHz	1	n/a	-	-	-

Peak to average power ratio, TM3p3

Antenna 2

Band n14:

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	2	760.5	8.42	13	-4.58
n14	5 MHz	2	763.0	8.48	13	-4.52
n14	5 MHz	2	765.5	8.48	13	-4.52

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	2	760.5	8.36	13	-4.64
n14	5 MHz	2	763.0	8.36	13	-4.64
n14	5 MHz	2	765.5	8.42	13	-4.58

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	2	760.5	8.46	13	-4.54
n14	5 MHz	2	763.0	8.46	13	-4.54
n14	5 MHz	2	765.5	8.46	13	-4.54

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	5 MHz	2	760.5	8.52	13	-4.48
n14	5 MHz	2	763.0	8.52	13	-4.48
n14	5 MHz	2	765.5	8.56	13	-4.62

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	2	n/a	-	-	-
n14	10 MHz	2	763.0	8.50	13	-4.50
n14	10 MHz	2	n/a	-	-	-

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	2	n/a	-	-	-
n14	10 MHz	2	763.0	8.38	13	-4.62
n14	10 MHz	2	n/a	-	-	-

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	2	n/a	-	-	-
n14	10 MHz	2	763.0	8.46	13	-4.54
n14	10 MHz	2	n/a	-	-	-

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n14	10 MHz	2	n/a	-	-	-
n14	10 MHz	2	763.0	8.46	13	-4.54
n14	10 MHz	2	n/a	-	-	-

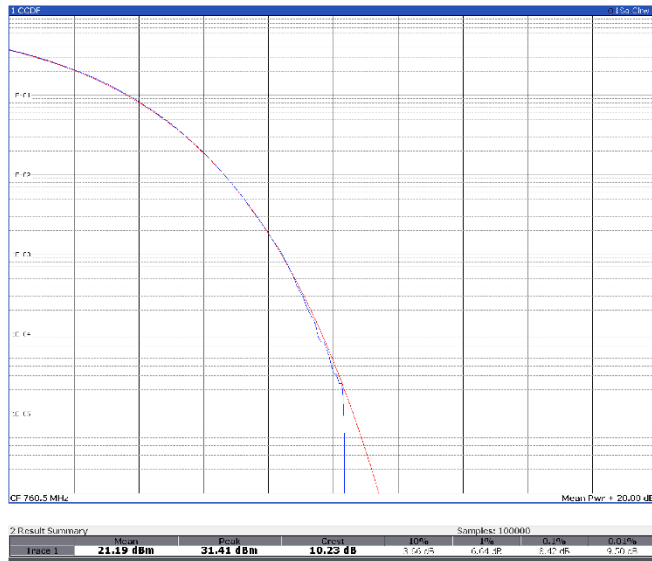
Peak to average power ratio, TM3p3

Antenna port 1

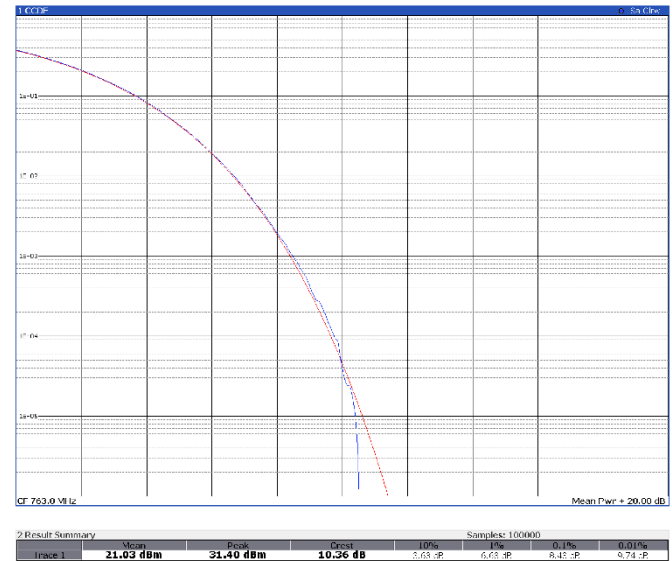
Band n14

5 MHz

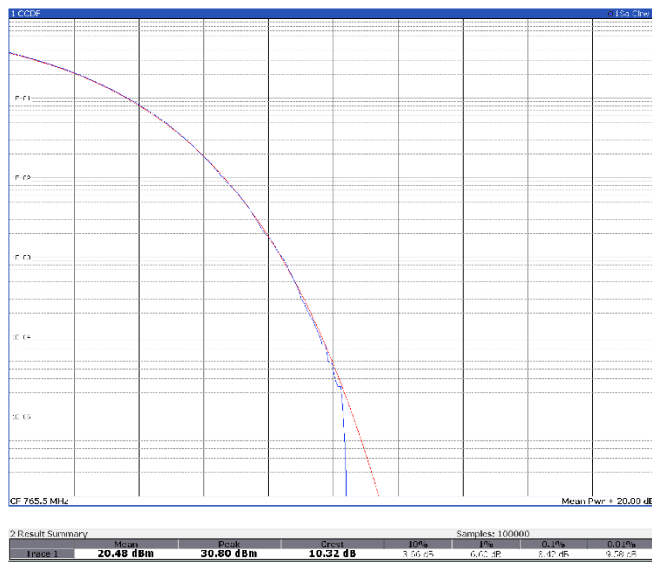
TM1.1, 5 MHz, low channel



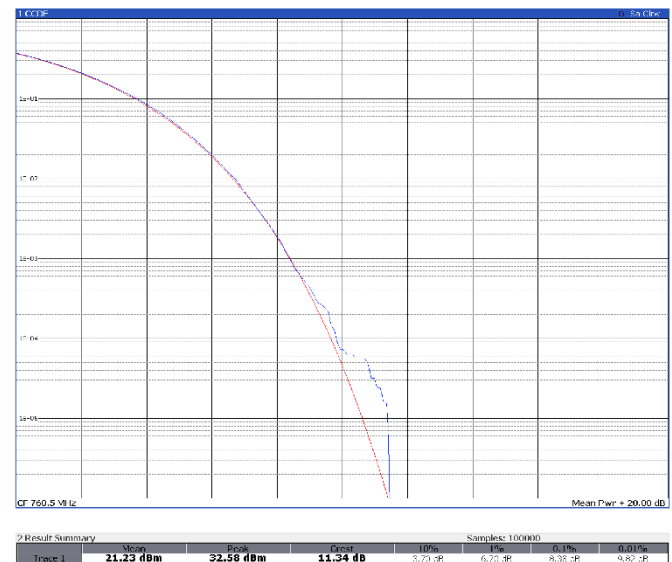
TM1.1, 5 MHz, mid channel



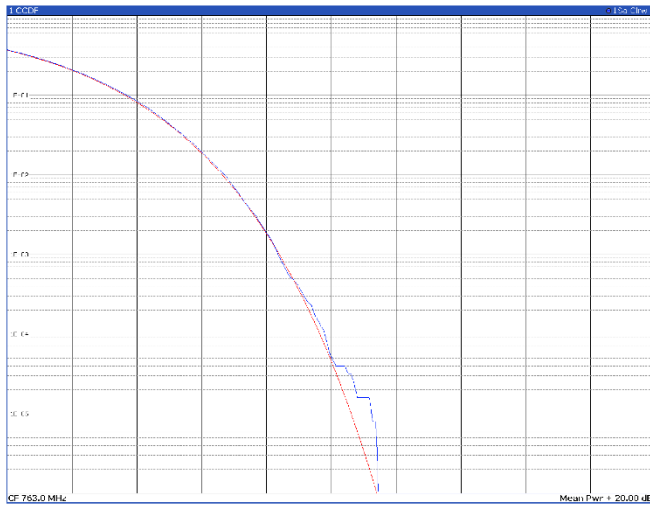
TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

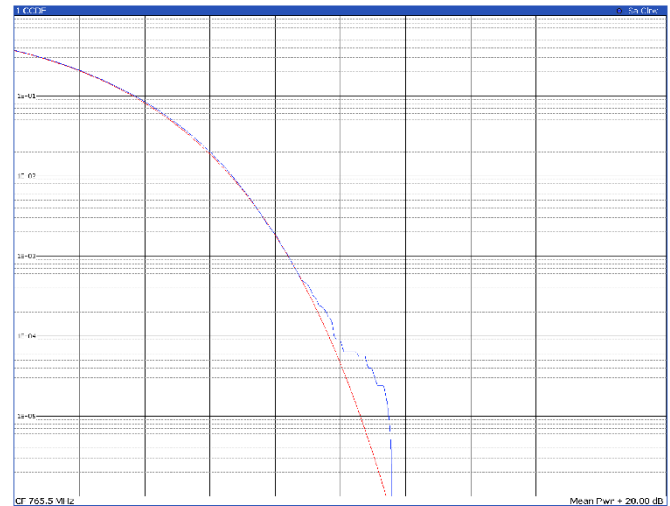


TM3p1, 5 MHz, mid channel



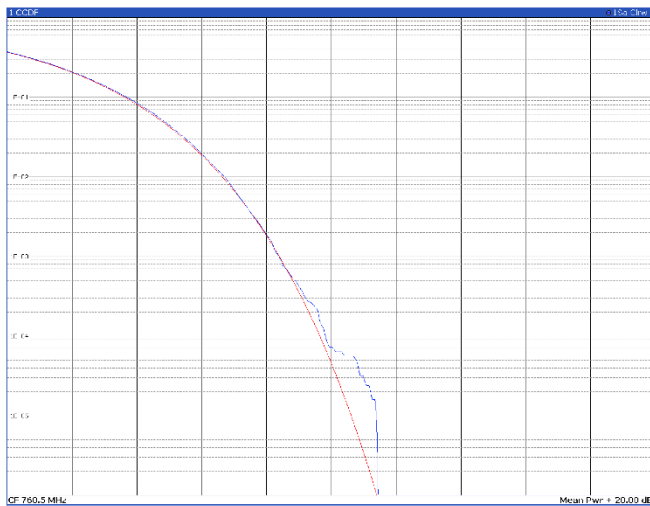
2 Result Summary					
	Mean	Peak	Crest	10%	Sample: 100000
Trace 1	20.94 dBm	32.33 dBm	11.39 dB	5.70 dB	0.72 dB

TM3p1, 5 MHz, high channel



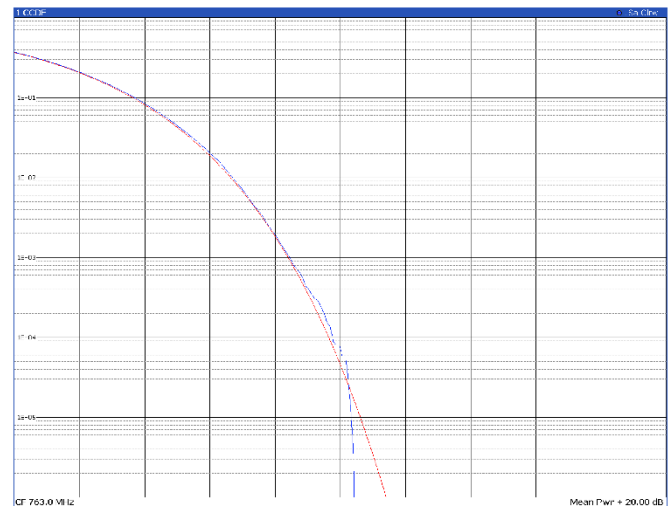
2 Result Summary					
	Mean	Peak	Crest	10%	Sample: 100000
Trace 1	20.42 dBm	31.92 dBm	11.50 dB	5.63 dB	0.72 dB

TM3p1a, 5 MHz, low channel



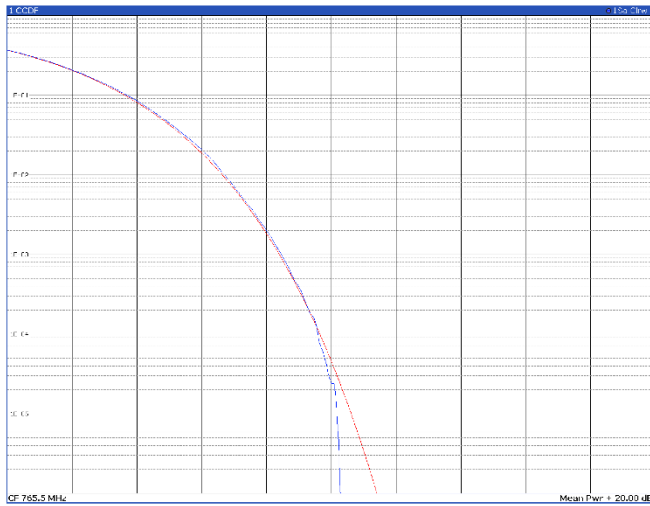
2 Result Summary					
	Mean	Peak	Crest	10%	Sample: 100000
Trace 1	21.23 dBm	32.58 dBm	11.34 dB	5.70 dB	0.72 dB

TM3p1a, 5 MHz, mid channel



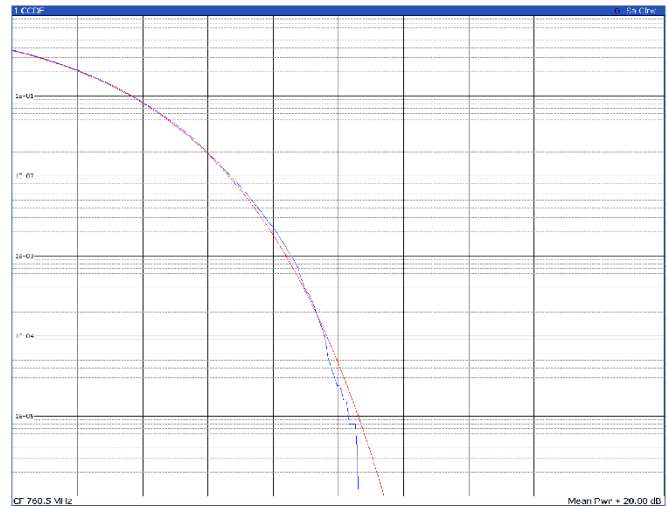
2 Result Summary					
	Mean	Peak	Crest	10%	Sample: 100000
Trace 1	20.92 dBm	31.21 dBm	10.29 dB	5.71 dB	0.72 dB

TM3p1a, 5 MHz, high channel



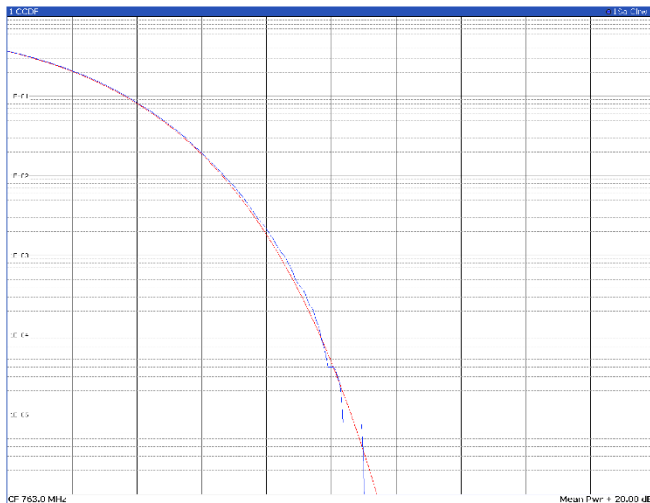
2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	20.43 dBm	30.59 dBm	10.17 dB
			1%
			0.1%
			0.01%

TM3p3, 5 MHz, low channel



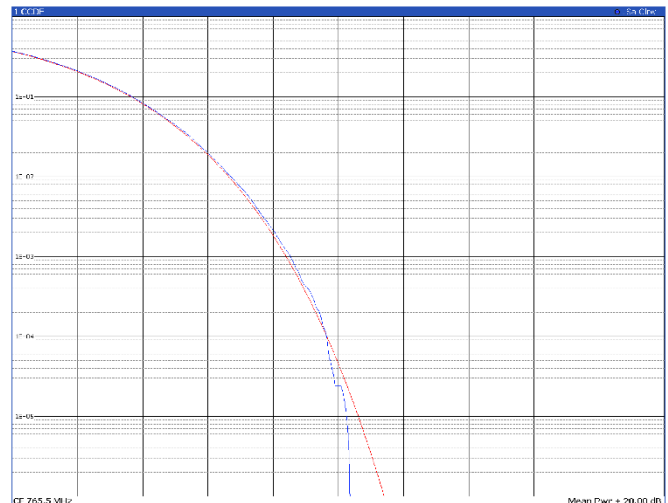
2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	21.40 dBm	31.90 dBm	10.50 dB
			1%
			0.1%
			0.01%

TM3p3, 5 MHz, mid channel



2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	21.00 dBm	31.94 dBm	10.94 dB
			1%
			0.1%
			0.01%

TM3p3, 5 MHz, high channel

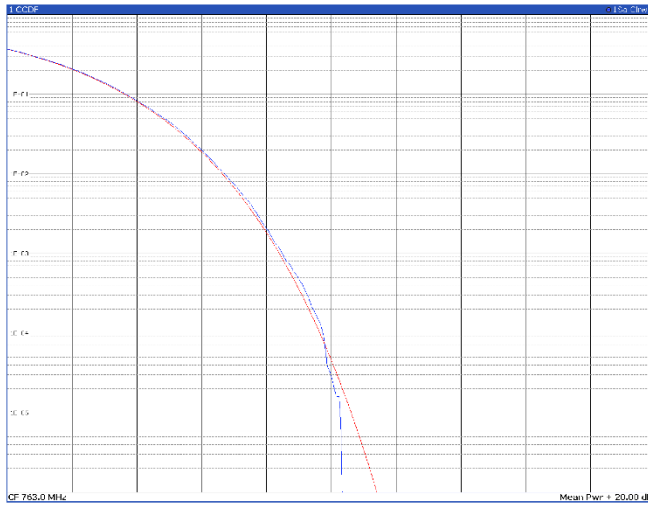


2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	20.52 dBm	30.78 dBm	10.26 dB
			1%
			0.1%
			0.01%

Band n14

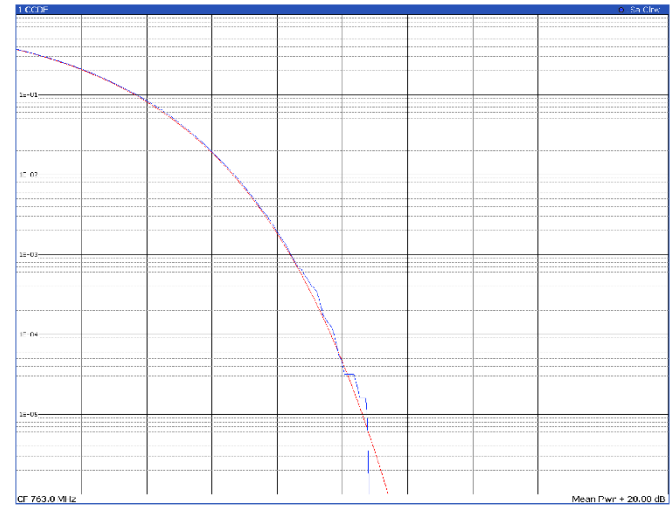
10 MHz

TM1.1, 10 MHz, mid channel



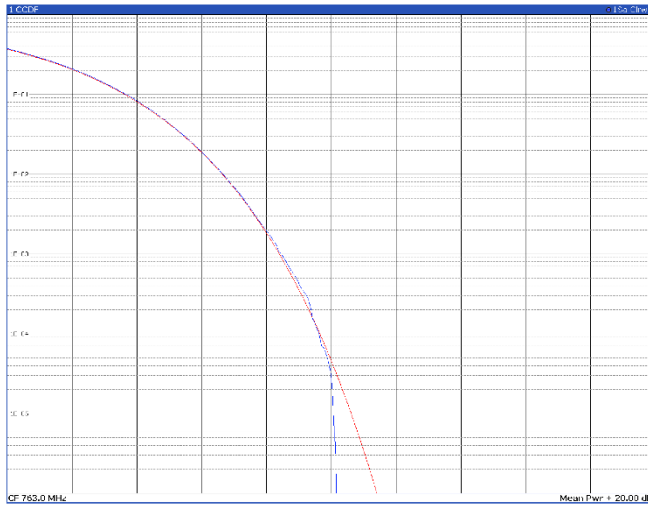
2 Result Summary		Samples: 100000					
Trace 1	Mean	Peak	Crest	10%	1%	0.1%	0.01%
	17.64 dBm	27.67 dBm	10.22 dB	3.56 dB	6.72 dB	8.48 dB	9.74 dB

TM3p1, 10 MHz, mid channel



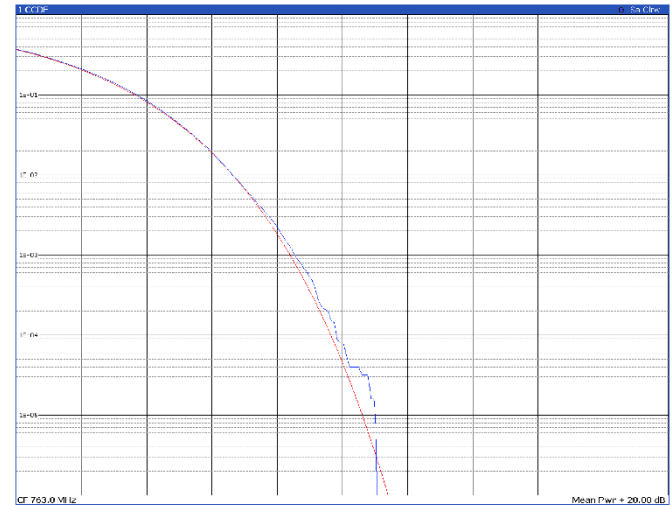
2 Result Summary		Samples: 100000					
Trace 1	Mean	Peak	Crest	10%	1%	0.1%	0.01%
	17.82 dBm	28.55 dBm	10.73 dB	3.63 dB	6.63 dB	8.47 dB	9.74 dB

TM3p1a, 10 MHz, mid channel



2 Result Summary		Samples: 100000					
Trace 1	Mean	Peak	Crest	10%	1%	0.1%	0.01%
	17.71 dBm	27.76 dBm	10.05 dB	3.56 dB	6.66 dB	8.48 dB	9.67 dB

TM3p3, 10 MHz, mid channel



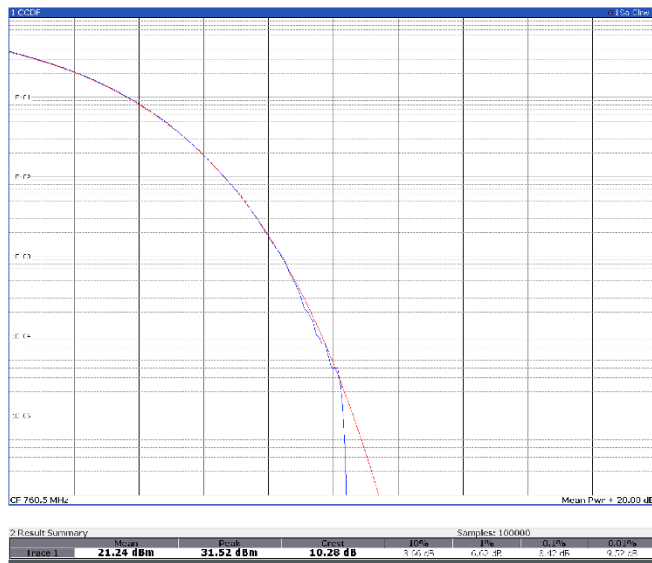
2 Result Summary		Samples: 100000					
Trace 1	Mean	Peak	Crest	10%	1%	0.1%	0.01%
	18.04 dBm	29.04 dBm	11.00 dB	3.63 dB	6.63 dB	8.54 dB	9.80 dB

Antenna port 2

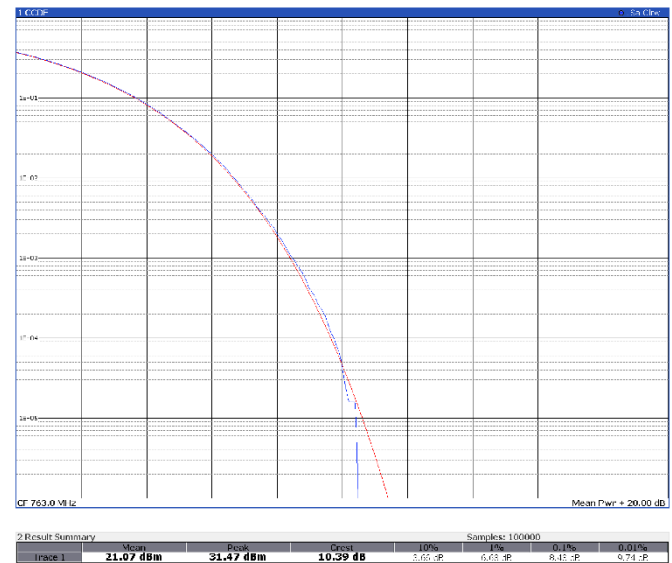
Band n14

5 MHz

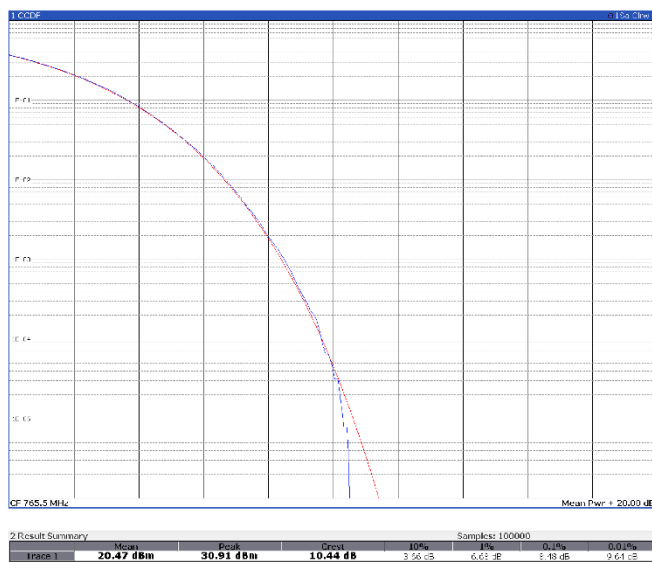
TM1.1, 5 MHz, low channel



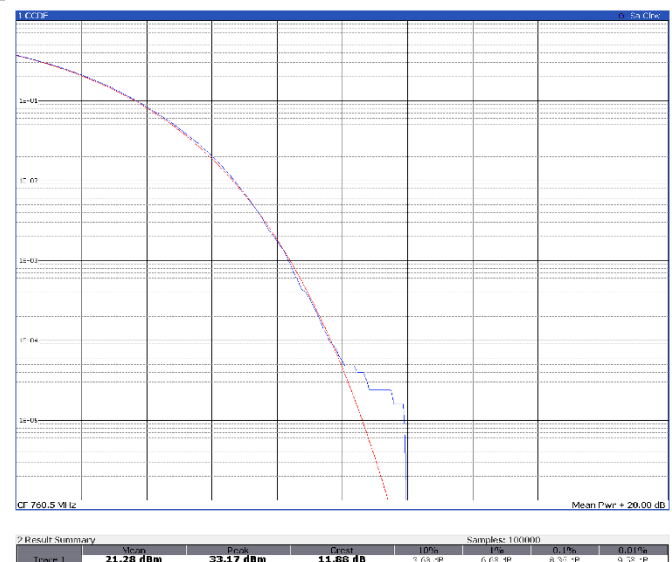
TM1.1, 5 MHz, mid channel



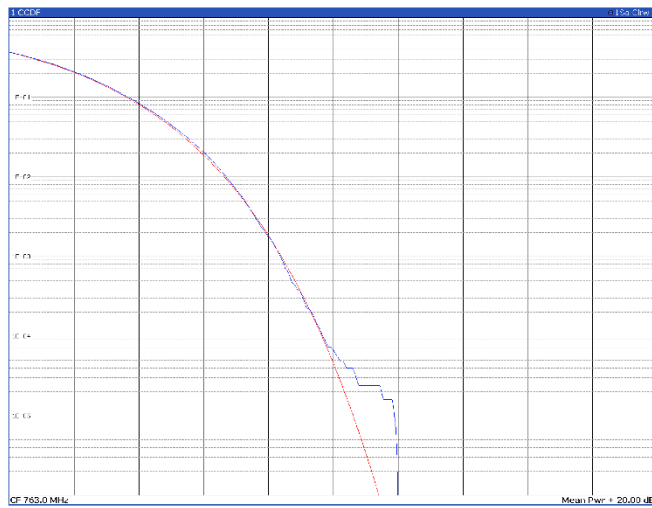
TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

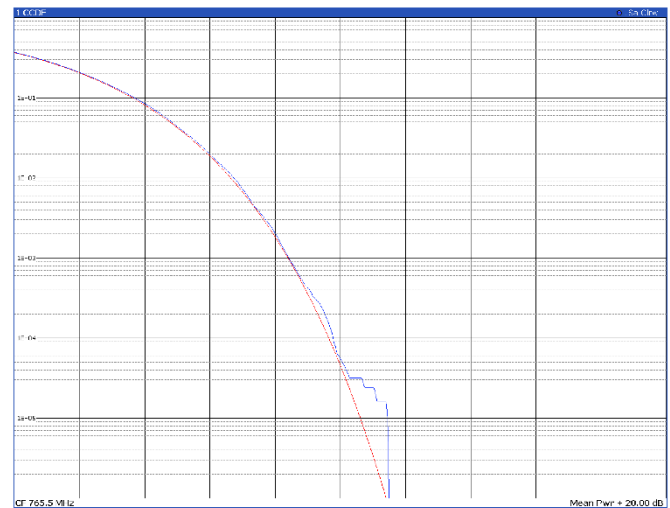


TM3p1, 5 MHz, mid channel



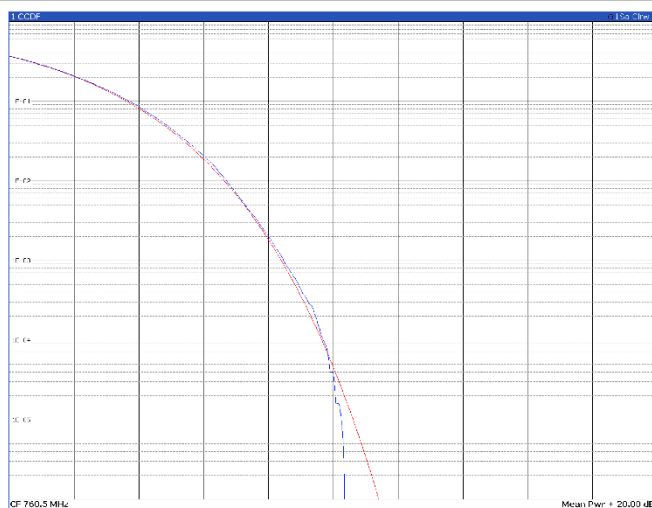
2 Result Summary		Samples: 100000	
Mean	Peak	Dist	10%
Trace 1	20.96 dBm	32.81 dBm	11.86 dB
			1%
			0.1%
			0.01%

TM3p1, 5 MHz, high channel



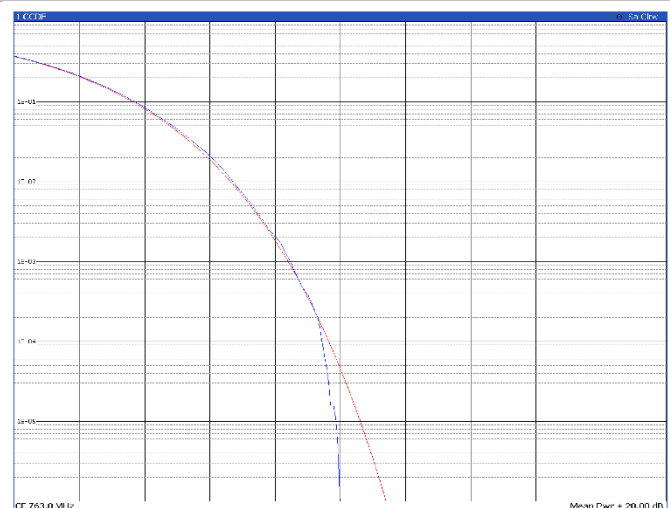
2 Result Summary		Samples: 100000	
Mean	Peak	Dist	10%
Trace 1	20.43 dBm	31.85 dBm	11.42 dB
			1%
			0.1%
			0.01%

TM3p1a, 5 MHz, low channel



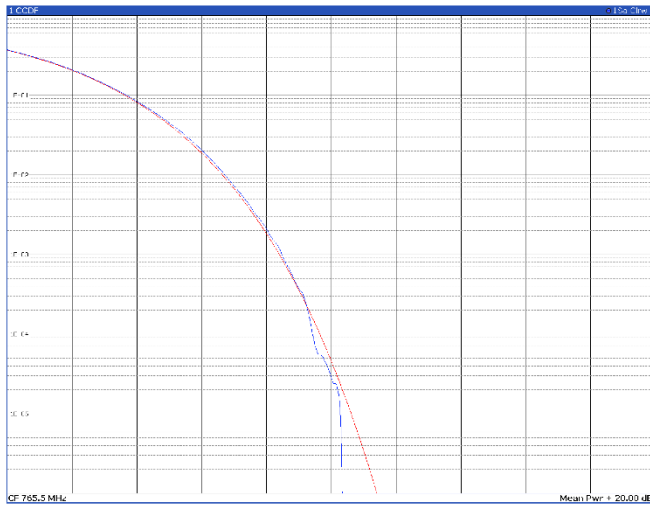
2 Result Summary		Samples: 100000	
Mean	Peak	Dist	10%
Trace 1	21.28 dBm	31.49 dBm	10.21 dB
			1%
			0.1%
			0.01%

TM3p1a, 5 MHz, mid channel



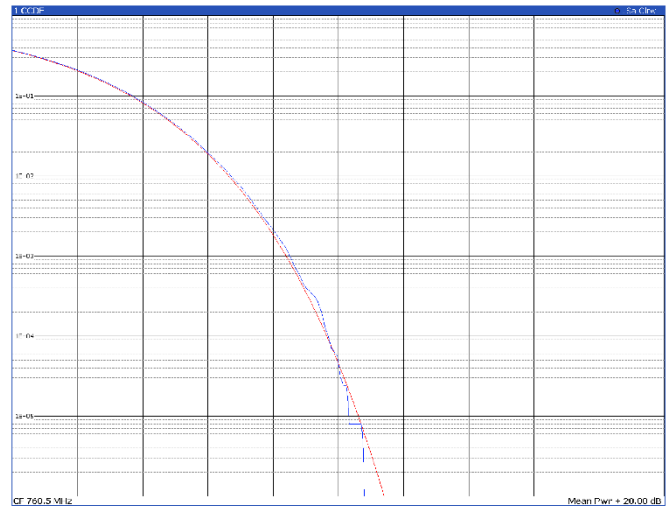
2 Result Summary		Samples: 100000	
Mean	Peak	Dist	10%
Trace 1	21.00 dBm	30.86 dBm	9.66 dB
			1%
			0.1%
			0.01%

TM3p1a, 5 MHz, high channel



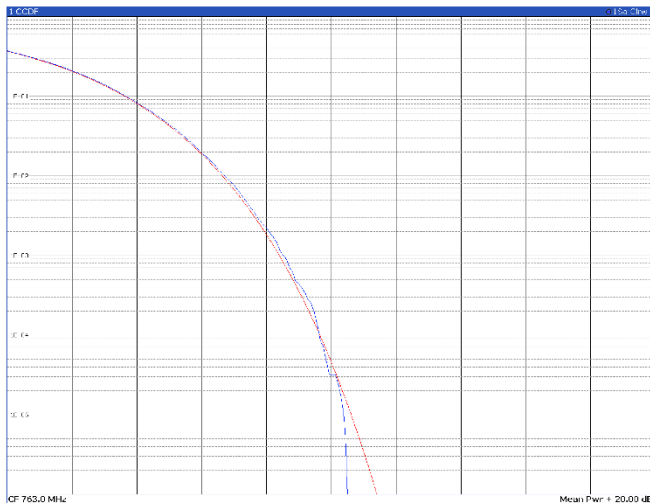
2 Result Summary		Sample: 100000	
Mean	Peak	Dist	10%
Trace 1	20.46 dBm	30.73 dBm	10.27 dB
			1%
			0.1%
			0.01%

TM3p3, 5 MHz, low channel



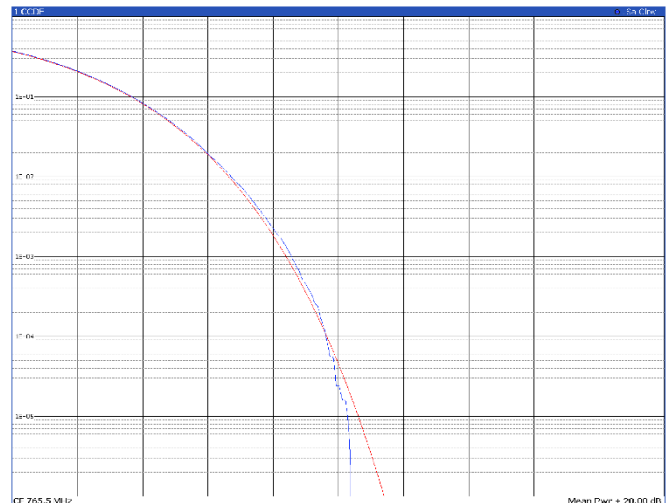
2 Result Summary		Sample: 100000	
Mean	Peak	Dist	10%
Trace 1	21.40 dBm	32.07 dBm	10.67 dB
			1%
			0.1%
			0.01%

TM3p3, 5 MHz, mid channel



2 Result Summary		Sample: 100000	
Mean	Peak	Dist	10%
Trace 1	21.15 dBm	31.54 dBm	10.40 dB
			1%
			0.1%
			0.01%

TM3p3, 5 MHz, high channel

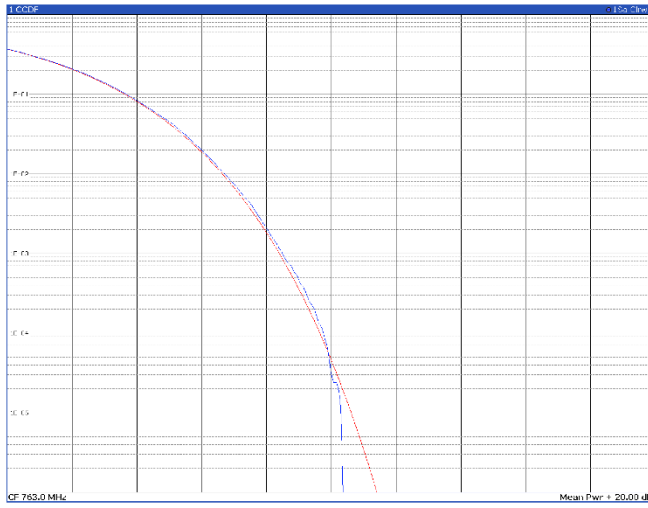


2 Result Summary		Sample: 100000	
Mean	Peak	Dist	10%
Trace 1	20.49 dBm	30.78 dBm	10.29 dB
			1%
			0.1%
			0.01%

Band n14

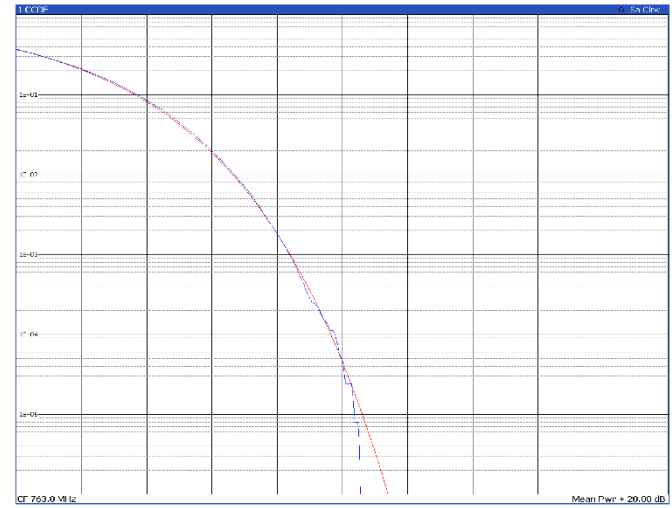
10 MHz

TM1.1, 10 MHz, mid channel



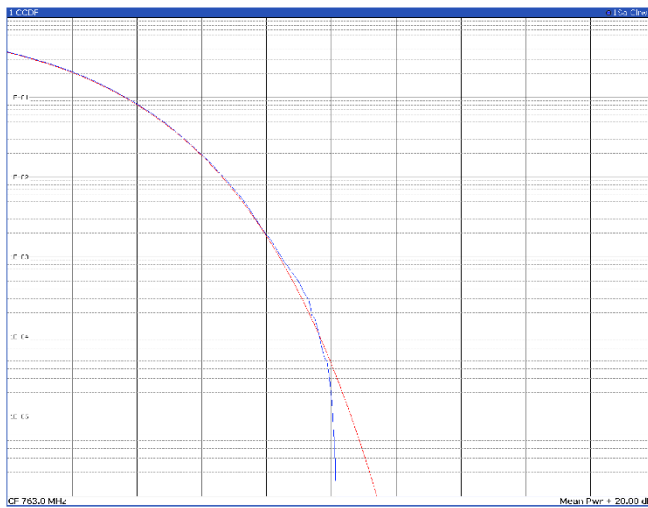
2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	17.81 dBm	28.07 dBm	10.26 dB
			3.56 dB
			6.72 dB
			8.50 dB
			9.56 dB

TM3p1, 10 MHz, mid channel



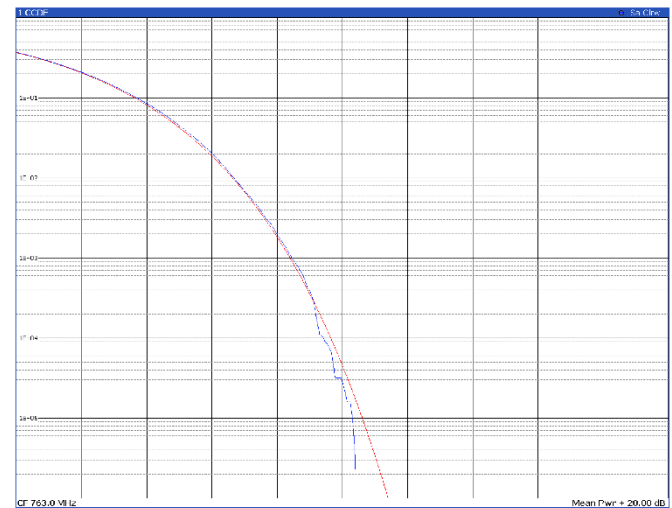
2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	17.78 dBm	28.28 dBm	10.50 dB
			3.71 dB
			6.63 dB
			8.33 dB
			9.71 dB

TM3p1a, 10 MHz, mid channel



2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	17.82 dBm	27.87 dBm	10.05 dB
			3.56 dB
			6.65 dB
			8.46 dB
			9.64 dB

TM3p3, 10 MHz, mid channel



2 Result Summary		Sample: 100000	
Mean	Peak	Crest	10%
Trace 1	18.21 dBm	28.54 dBm	10.33 dB
			3.68 dB
			6.63 dB
			8.43 dB
			9.47 dB

8.6 FCC §90.543(e) Emission limitations.

8.6.1 Definitions and limits

Transmitters operating in 758-768 MHz and 788-798 MHz bands must meet the emission limitations in (e) of this section.

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed

8.6.2 Test summary

Test start date	November 27, 2024	Temperature	21 °C
Test end date	December 13, 2024	Air pressure	1005 mbar
Test engineer	O. Frau	Relative humidity	64%
Verdict	Pass		

8.6.3 Observations, settings and special notes

EUT setup configuration	Table top
Test facility	3 m Semi anechoic chamber
Measuring distance	3m
Antenna height variation	1-4 m
Turn table position	0-360°
Measurement details	A preview measurement was generated with receiver in continuous scan or sweep mode while the EUT was rotated and antenna adjusted to maximize radiated emission. Emissions detected within 6 dB or above limit were re-measured with the appropriate detector against the correlating limit and recorded as the final measurement.

Receiver/spectrum analyzer settings for frequencies below 1 GHz:

Resolution bandwidth	120 kHz
Video bandwidth	300 kHz
Detector mode	- Peak (Preview measurement) - Quasi-peak (Final measurement)
Trace mode	Max Hold
Measurement time	100 ms (Peak preview measurement) 5000 ms (Quasi-peak final measurement)

Receiver/spectrum analyzer settings for frequencies above 1 GHz:

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Detector mode	- Peak (Preview measurement) - Peak and Coverage (Final measurement)
Trace mode	Max Hold
Measurement time	100 ms (Peak preview measurement) 5000 ms (Peak and Coverage final measurement)

Spectrum analyzer settings (conducted test):

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Frequency span	Sufficient for making an accurate measurement
Detector mode	RMS
Trace mode	Max Hold

This test was realized in two parts: one with a conducted setup and another one with a radiated setup.

The conducted test was made on one port at time, transmitting at max power and with the other one loaded with 50 Ω loads. For capturing the signal with the equipment, it was divided in two ranges, using a transducer factor to compensate the losses caused by a cable and attenuator used to protect the test equipment. The first range was measured from 30 MHz to 1 GHz where the fundamental signal is visible; the second range was selected from 1 GHz to 8 GHz. The evaluation was made using the three channels and all the modulations (TM1.1, TM3p1, TM3p1a, and TM3p3).

A 30 dB attenuator was placed between the EUT and spectrum analyzer and compensated for as a reference level offset. Additionally, to correct for MIMO consideration, an additional offset of $10\log(2) = -3.01$ dB was included to compensate for 2 correlated antennas output.

For band edge tests, in the 1 MHz region immediately outside of the authorized band, a resolution bandwidth of approximately 1 – 5 % of the 26 dB bandwidth measured was used.

The radiated test was made transmitting to max power too with the two ports terminated with 50 Ω loads. The scans were made from 30 MHz to 8 GHz considering all the channels but only the bandwidth and modulation with the highest power was showed.

Based on equation $43 + 10 \log_{10}(P)$ dB, the general emission limit is -13 dBm (conducted and radiated test) or the equivalent at 3m is 82.23 dB μ V/m above 1 GHz and 84.38 dB μ V/m below 1 GHz.

8.6.4 Test equipment used

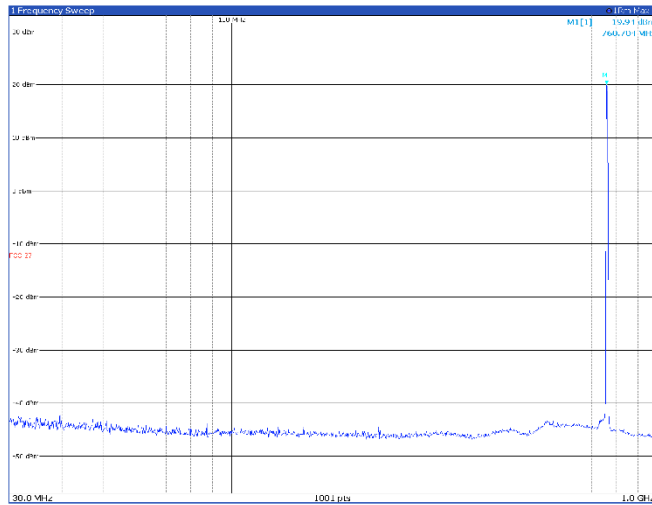
Equipment	Manufacturer	Model no.	Asset no.
Spectrum Analyzer	Rohde & Schwarz	FSW43	101767
EMI Receiver	Rohde & Schwarz	ESW44	101620
RF Vector Signal Generator	Rohde & Schwarz	SMBV100A	263254
RF Vector Signal Generator	Rohde & Schwarz	SMBV100A	263397
Antenna Trilog 25MHz – 8GHz	Schwarzbeck Mess-Elektronik	VULB9162	9162-025
Antenna 1 – 18 GHz	Schwarzbeck Mess-Elektronik	STLP9148	STLP 9148-152
Double Ridge Horn Antenna	RFSpin	DRH40	061106A40
Broadband Amplifier	Schwarzbeck Mess-Elektronik	BBV9718C	00121
Broadband Bench Top Amplifier	Sage	STB-1834034030-KFKF-L1	18490-01
Controller	Maturo	FCU3.0	10041
Tilt antenna mast	Maturo	TAM4.0-E	10042
Turntable	Maturo	TT4.0-ST	2.527

8.6.5 Test data

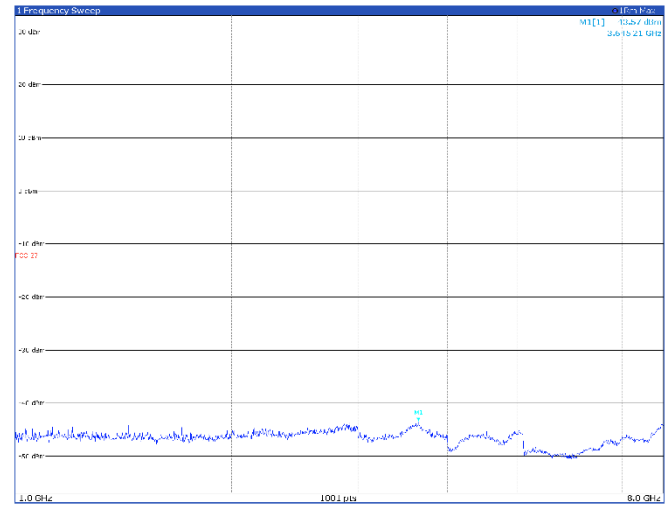
Band n14 – conducted emissions Antenna port 1

5 MHz

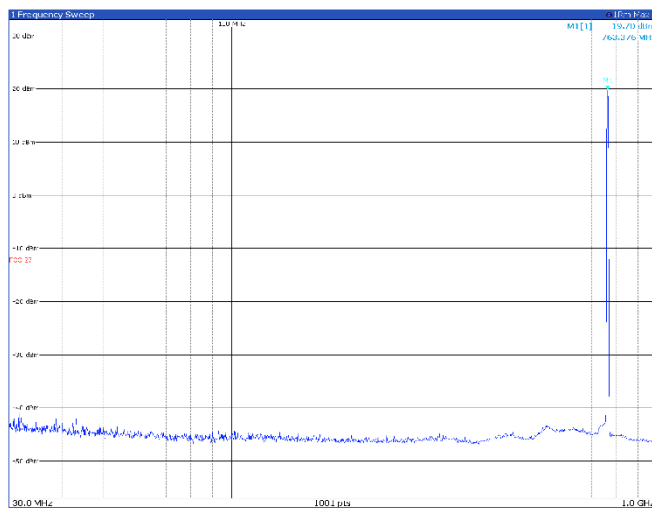
TM1.1, 5 MHz, low channel



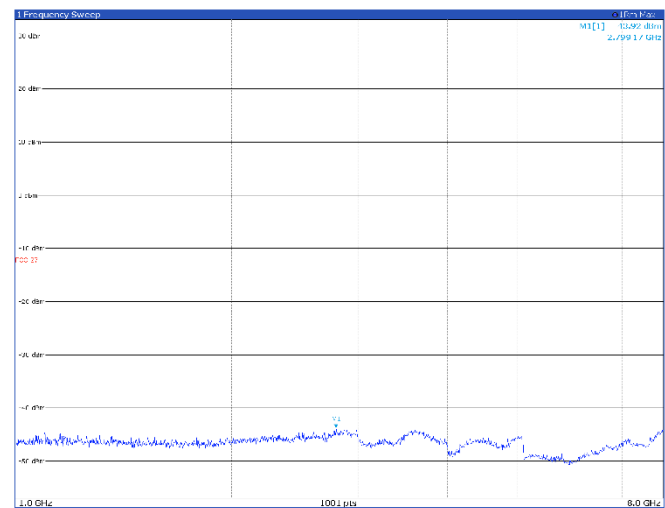
Limit exceeded by the carrier



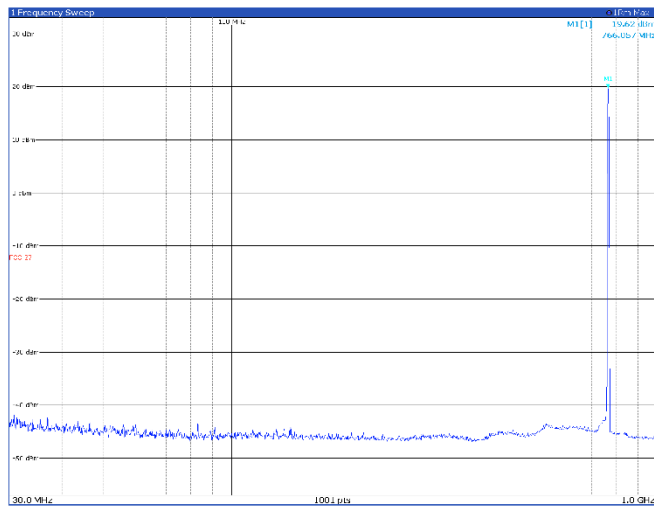
TM1.1, 5 MHz, mid channel



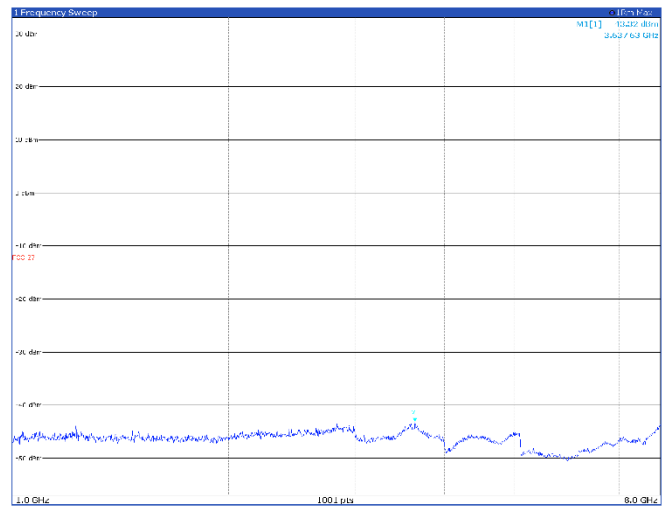
Limit exceeded by the carrier



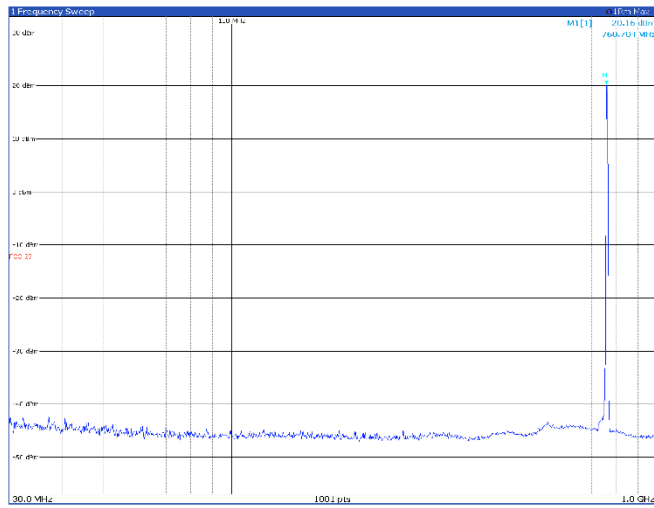
TM1.1, 5 MHz, high channel



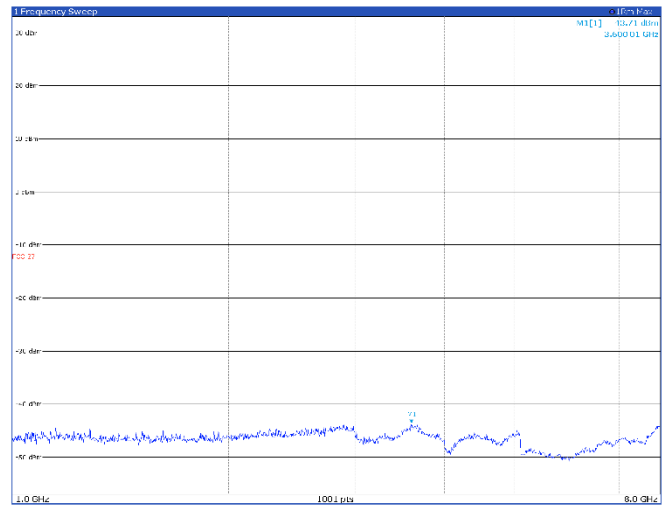
Limit exceeded by the carrier



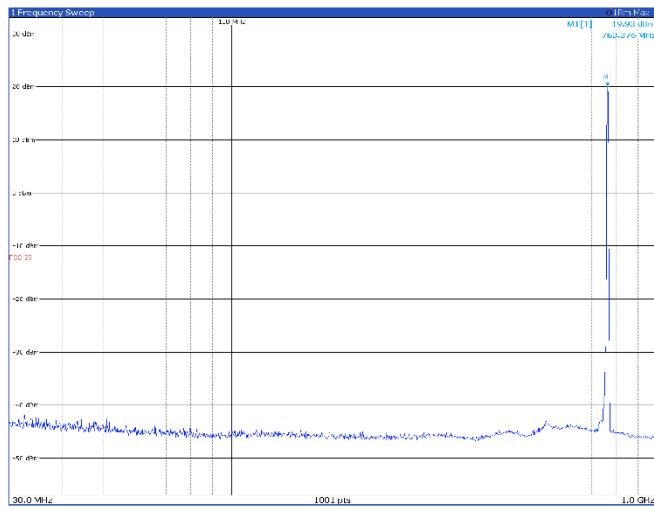
TM3p1, 5 MHz, low channel



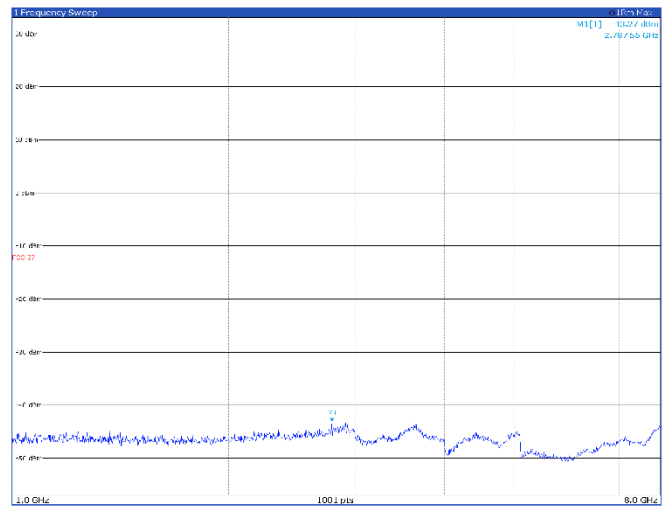
Limit exceeded by the carrier



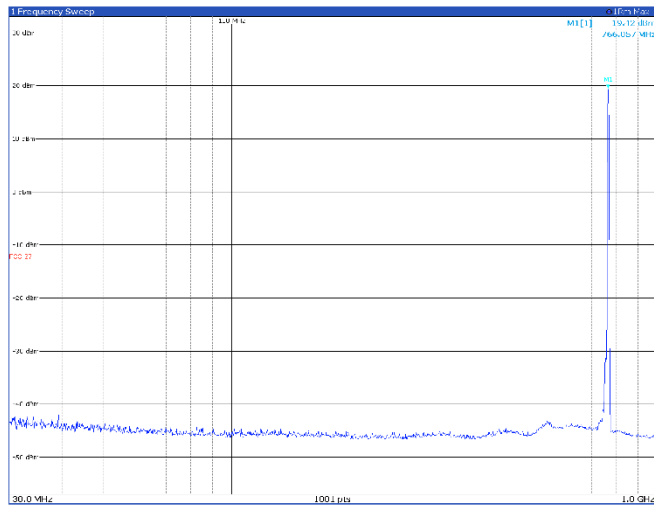
TM3p1, 5 MHz, mid channel



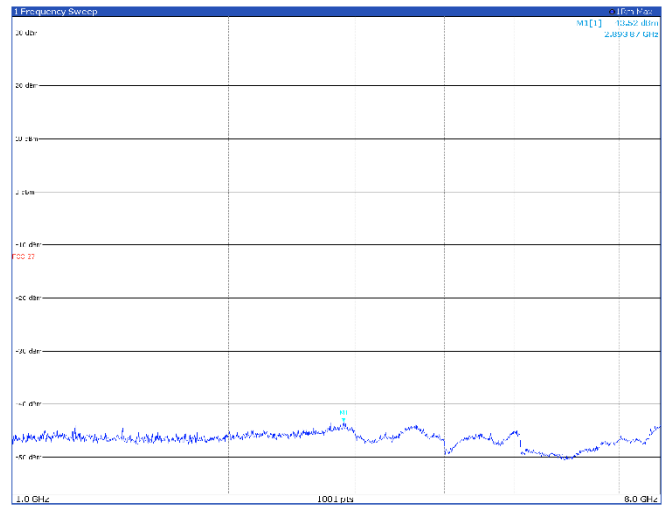
Limit exceeded by the carrier



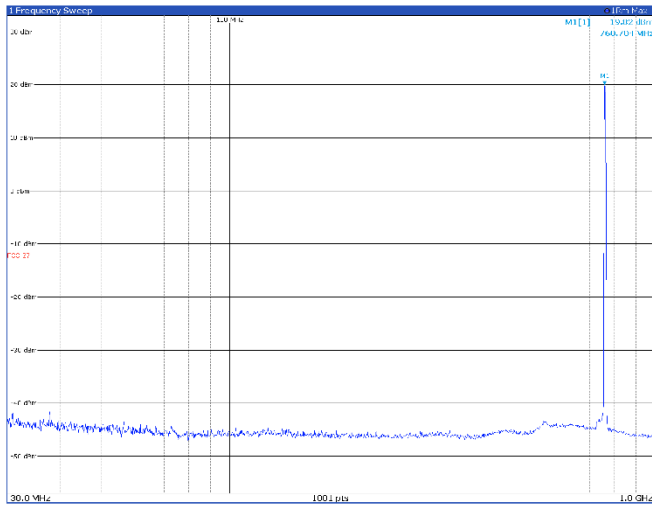
TM3p1, 5 MHz, high channel



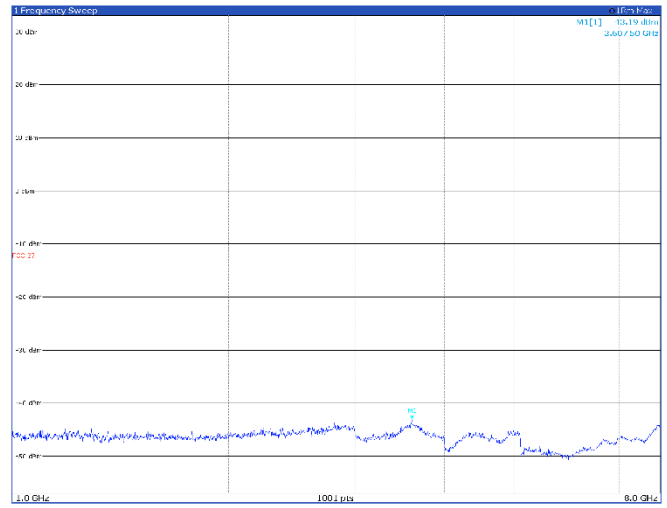
Limit exceeded by the carrier



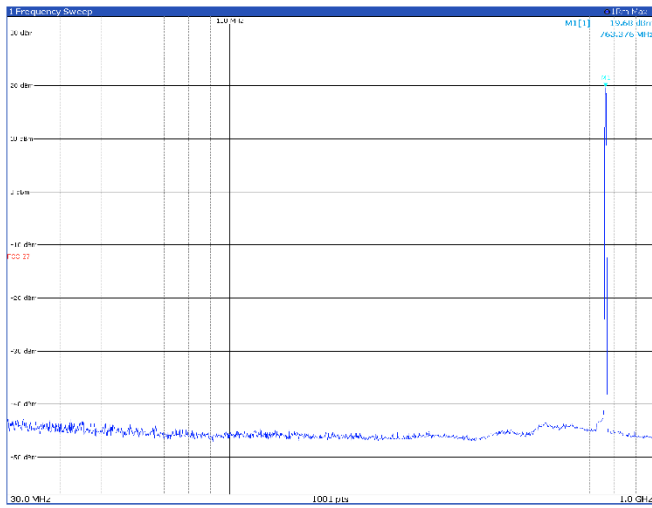
TM3p1a, 5 MHz, low channel



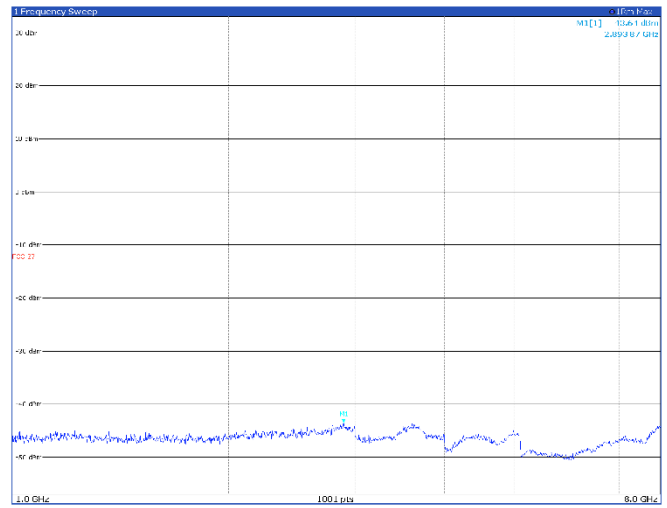
Limit exceeded by the carrier



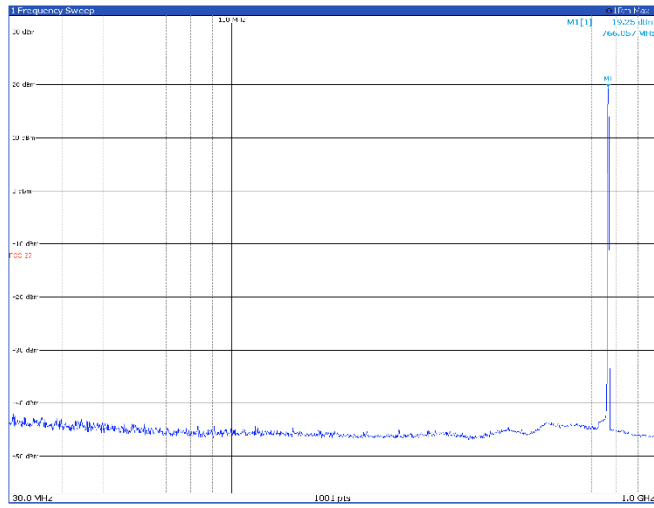
TM3p1a, 5 MHz, mid channel



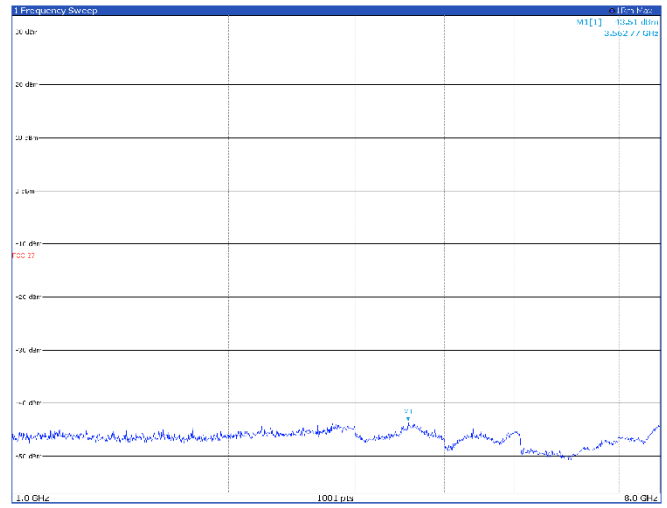
Limit exceeded by the carrier



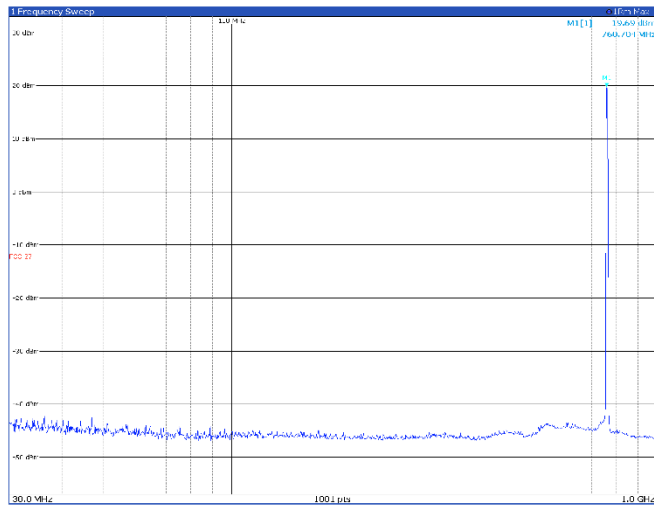
TM3p1a, 5 MHz, high channel



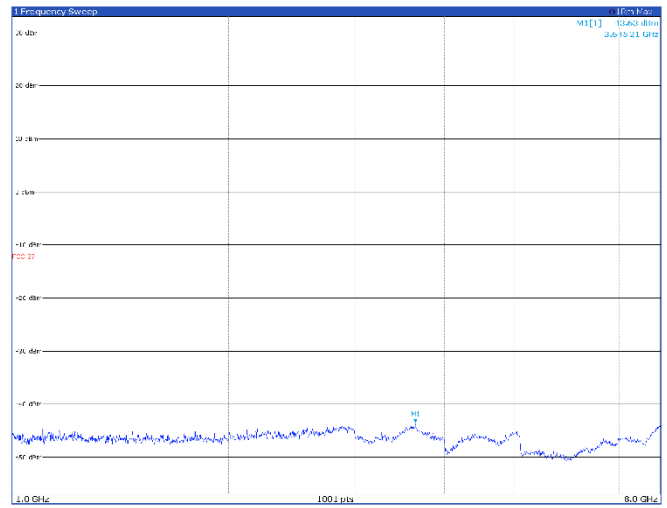
Limit exceeded by the carrier



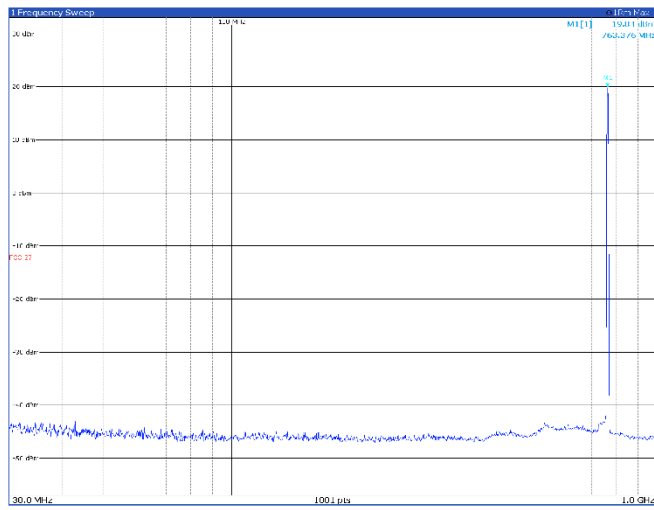
TM3p3, 5 MHz, low channel



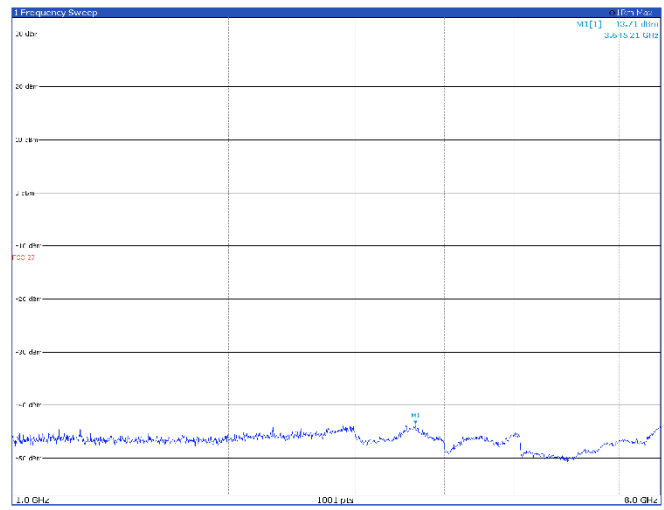
Limit exceeded by the carrier



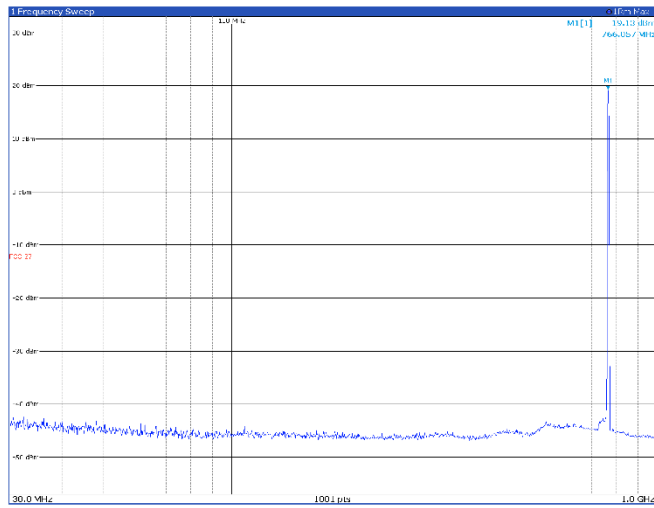
TM3p3, 5 MHz, mid channel



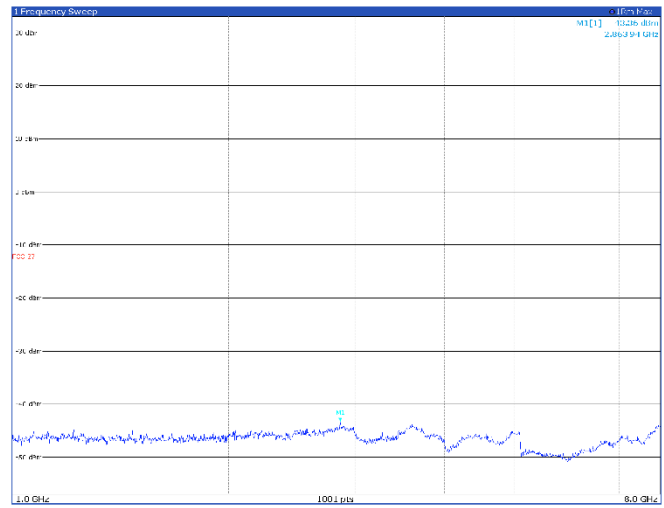
Limit exceeded by the carrier



TM3p3, 5 MHz, high channel



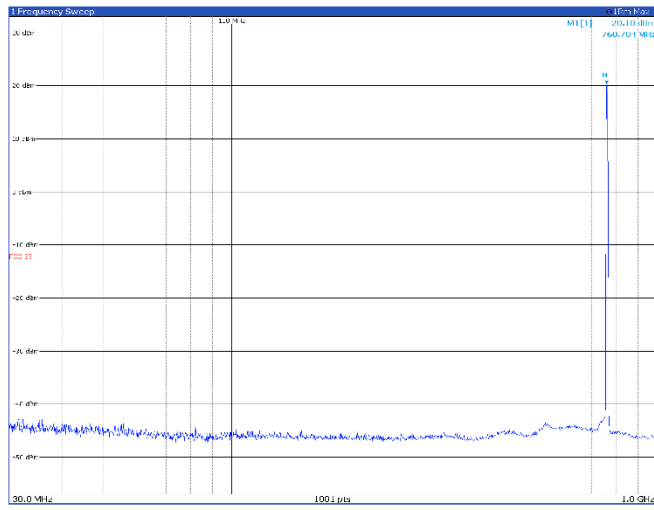
Limit exceeded by the carrier



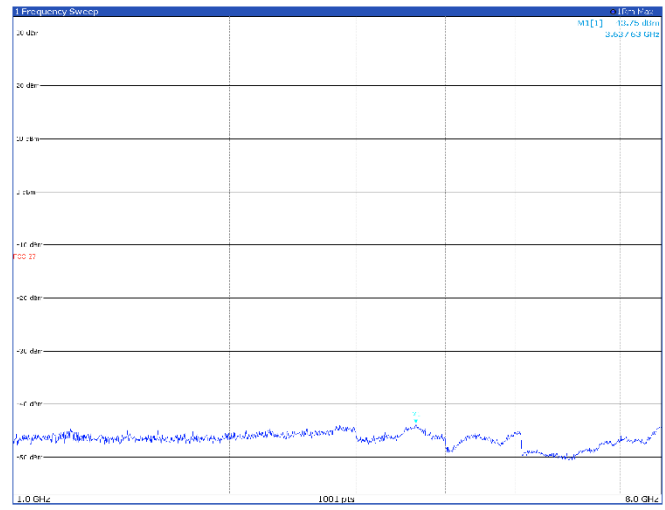
Band n14 – conducted emissions Antenna port 2

5 MHz

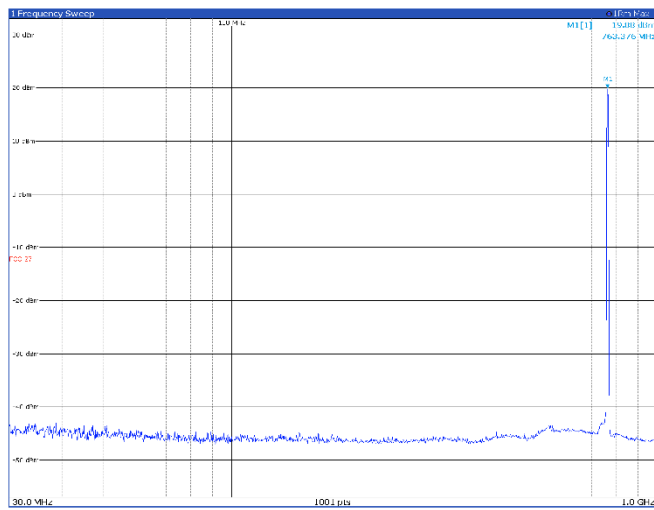
TM1.1, 5 MHz, low channel



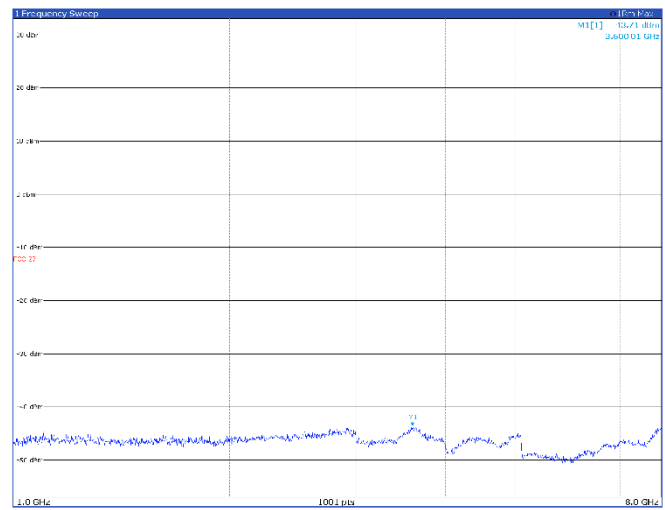
Limit exceeded by the carrier



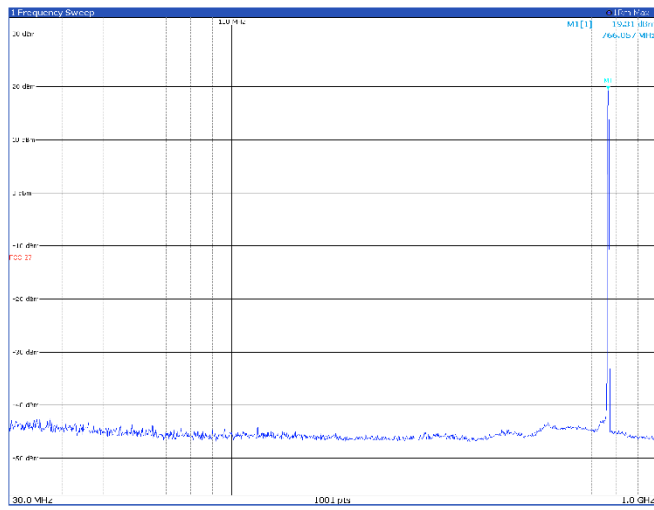
TM1.1, 5 MHz, mid channel



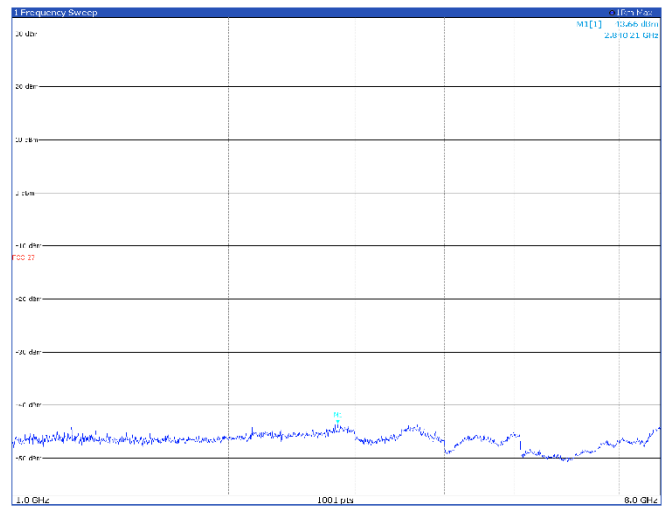
Limit exceeded by the carrier



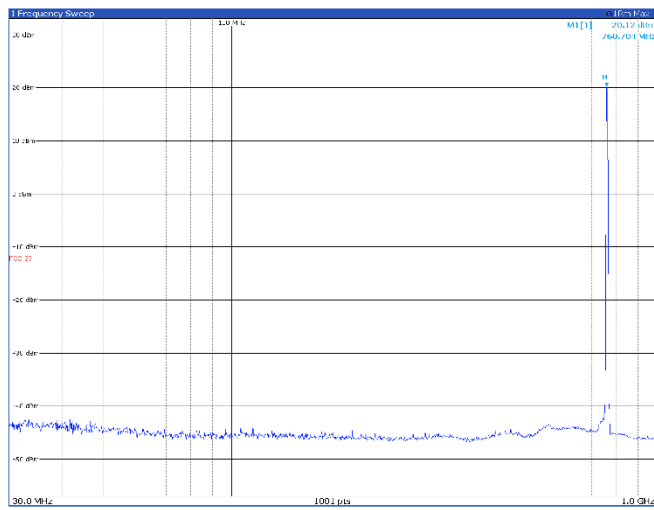
TM1.1, 5 MHz, high channel



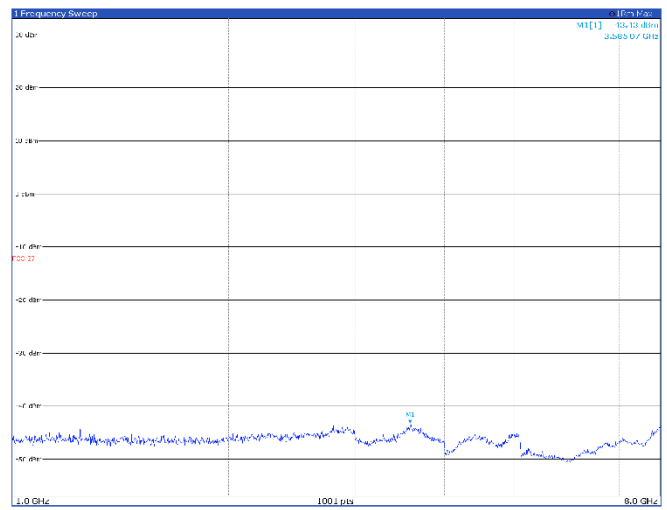
Limit exceeded by the carrier



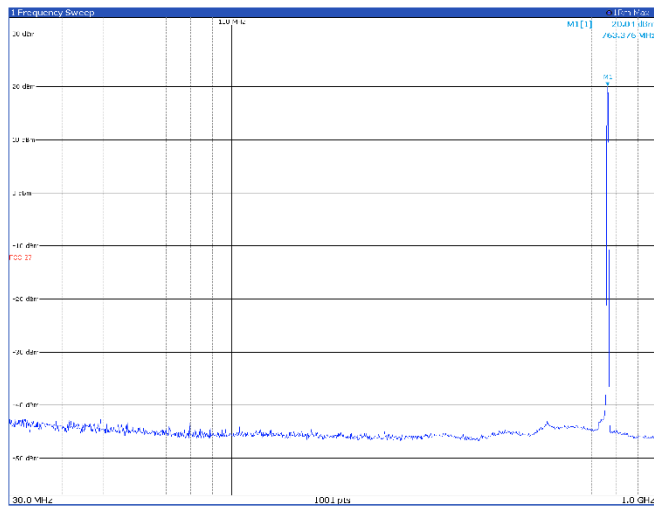
TM3p1, 5 MHz, low channel



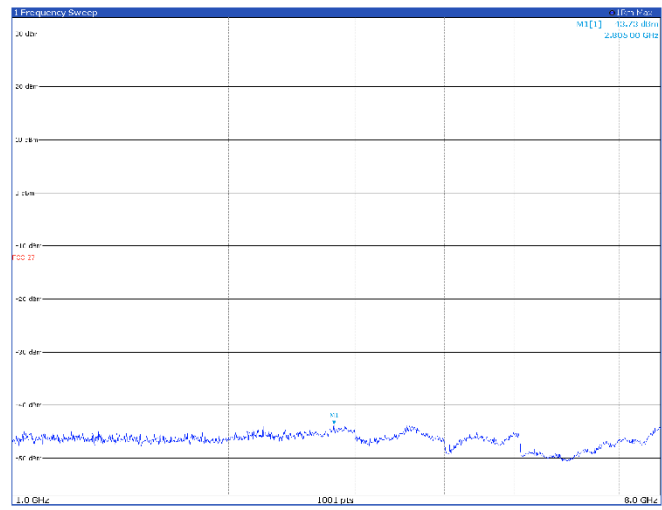
Limit exceeded by the carrier



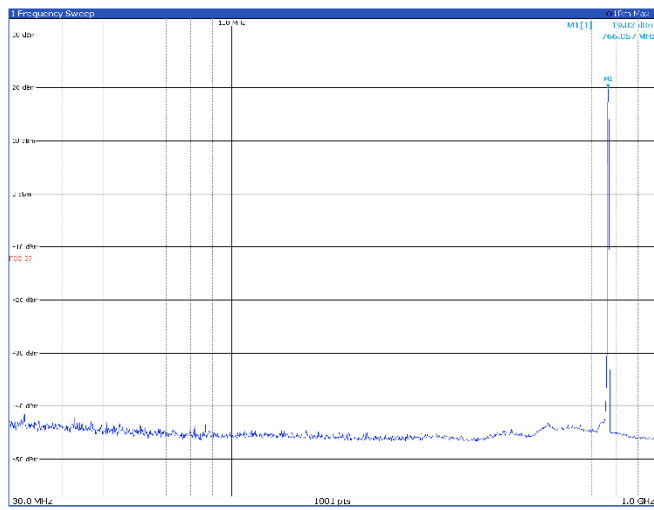
TM3p1, 5 MHz, mid channel



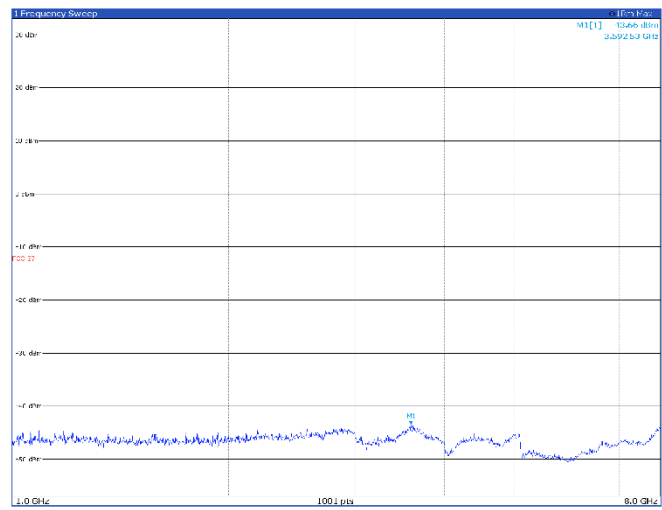
Limit exceeded by the carrier



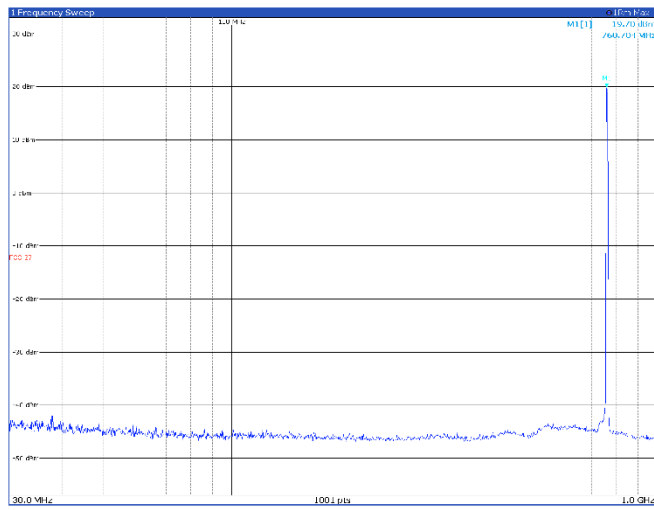
TM3p1, 5 MHz, high channel



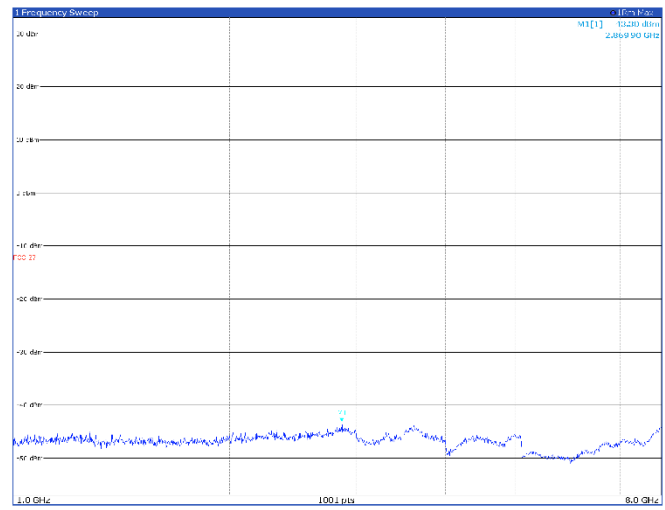
Limit exceeded by the carrier



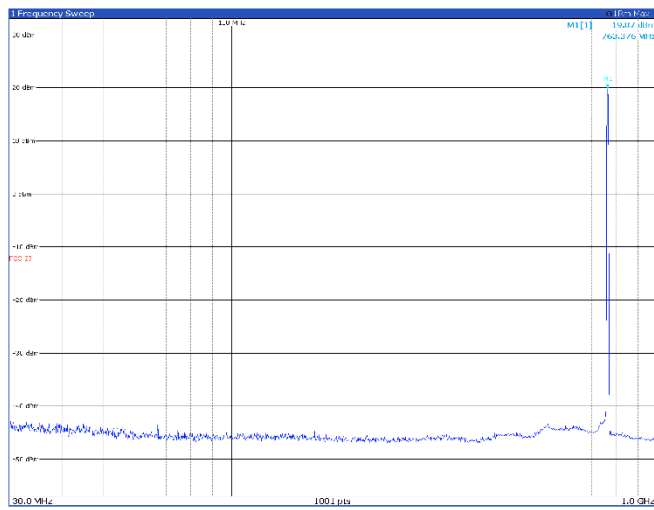
TM3p1a, 5 MHz, low channel



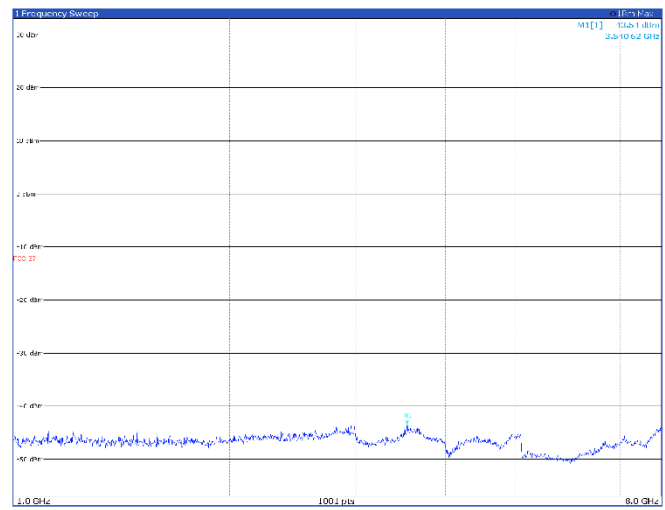
Limit exceeded by the carrier



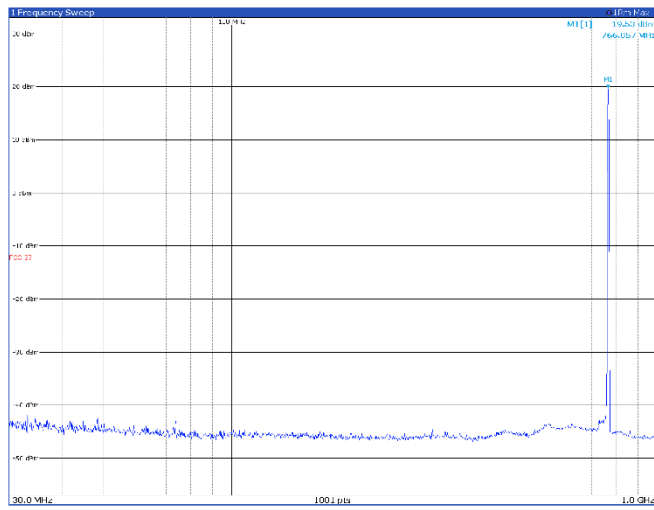
TM3p1a, 5 MHz, mid channel



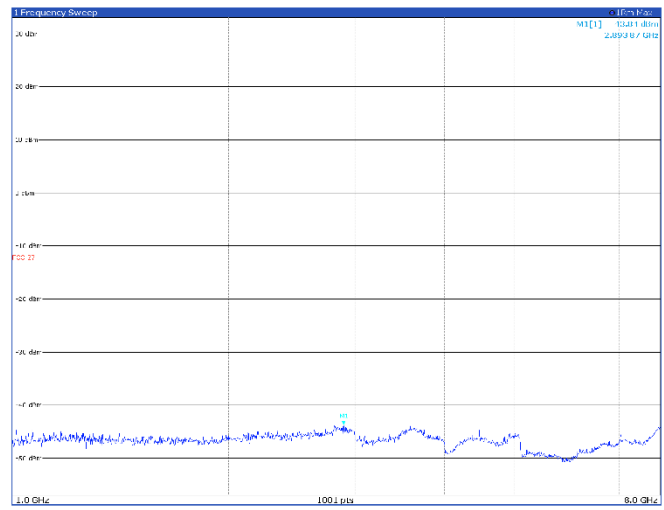
Limit exceeded by the carrier



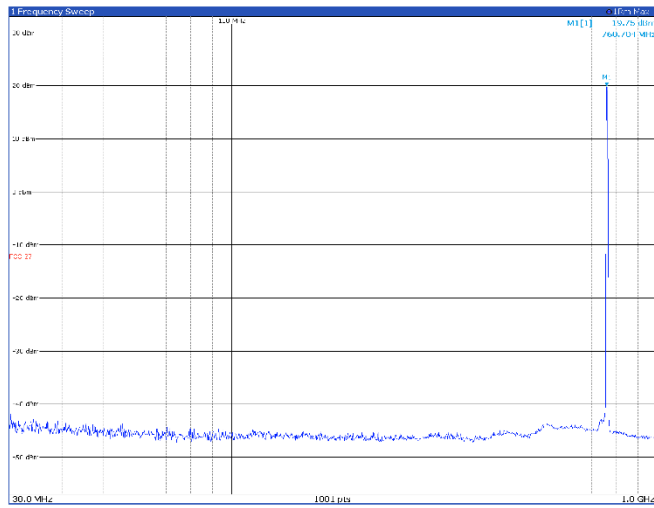
TM3p1a, 5 MHz, high channel



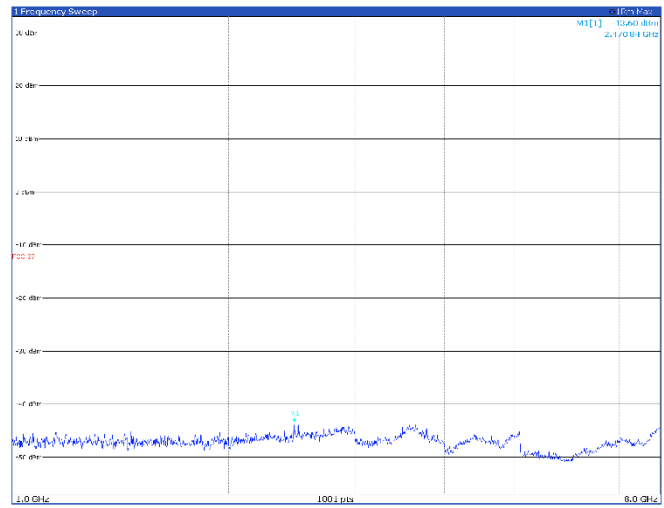
Limit exceeded by the carrier



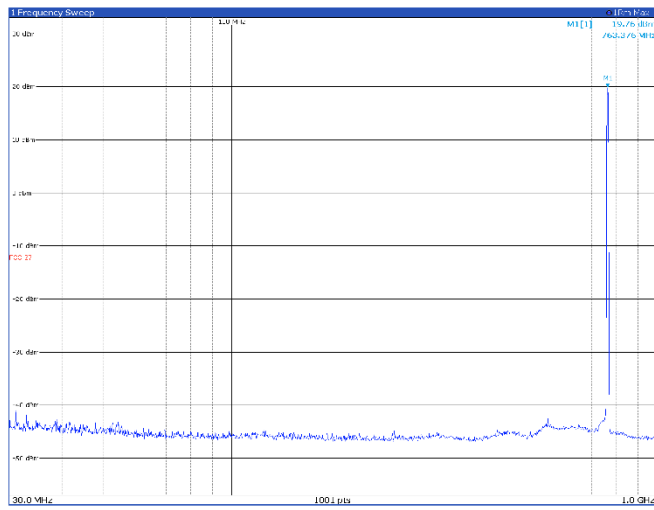
TM3p3, 5 MHz, low channel



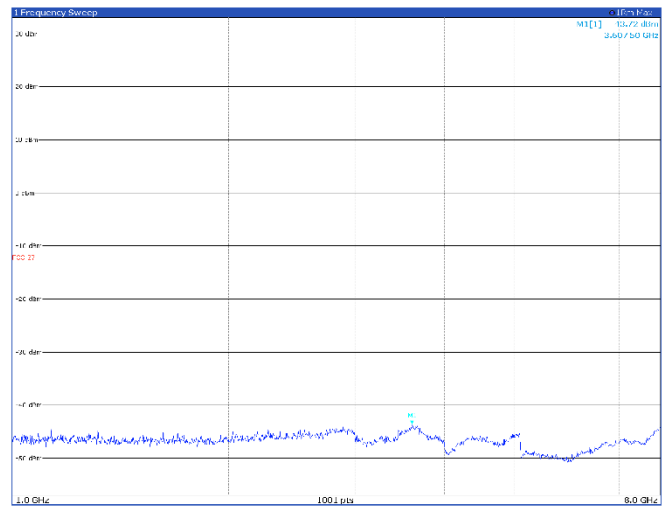
Limit exceeded by the carrier



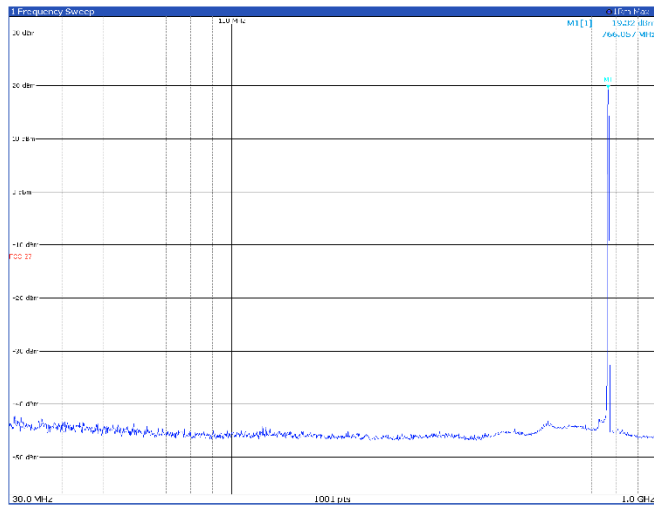
TM3p3, 5 MHz, mid channel



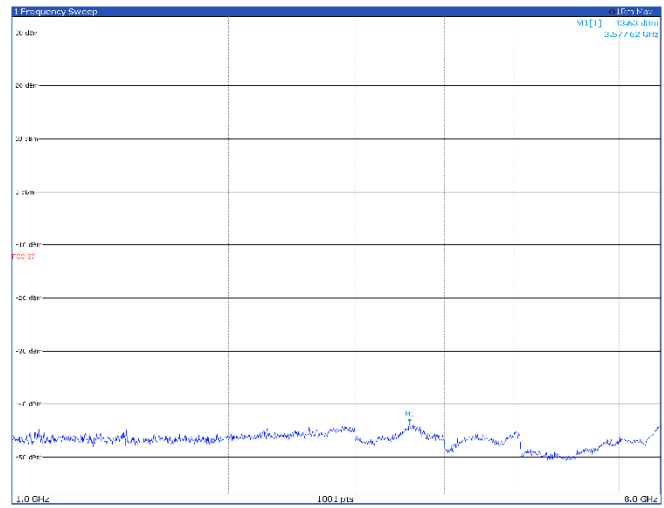
Limit exceeded by the carrier



TM3p3, 5 MHz, high channel



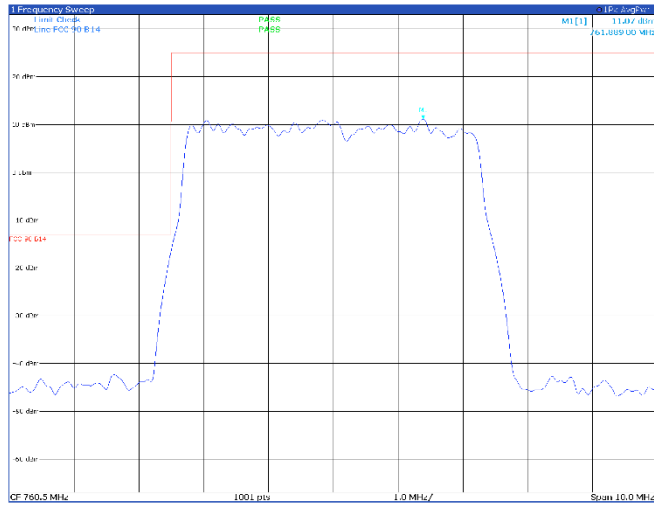
Limit exceeded by the carrier



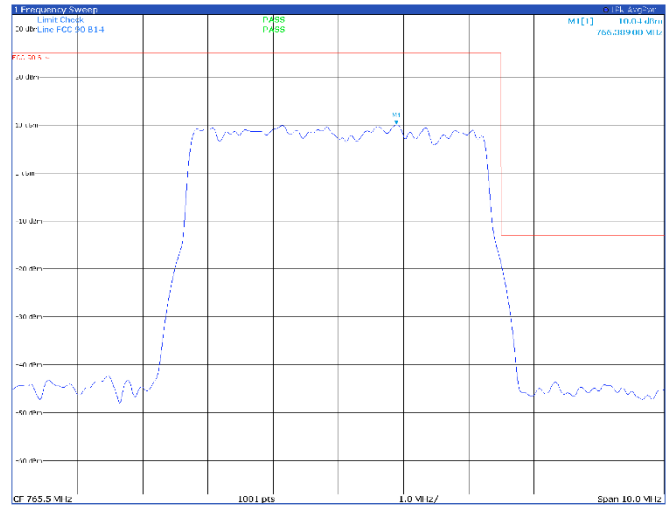
Band n14 – band edge Antenna port 1

5 MHz

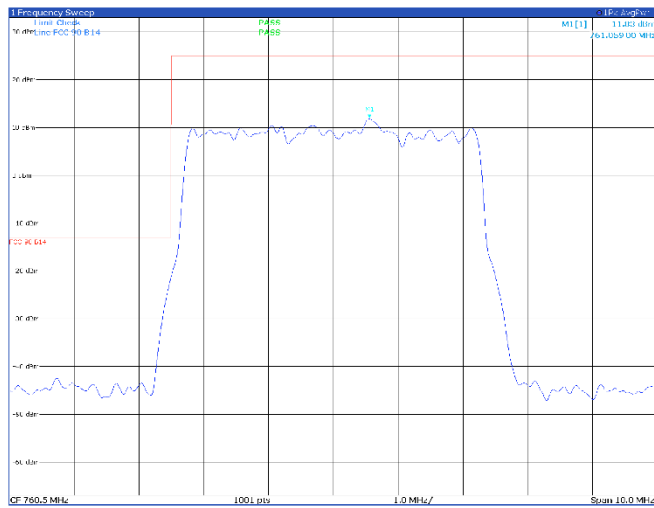
TM1.1, 5 MHz, low channel



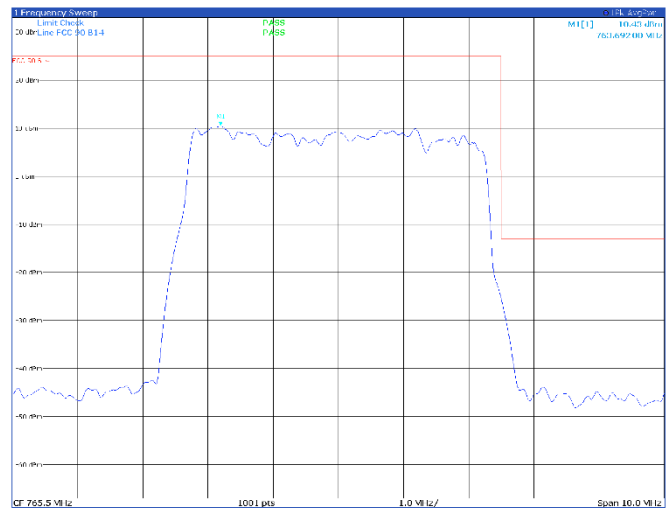
TM1.1, 5 MHz, high channel



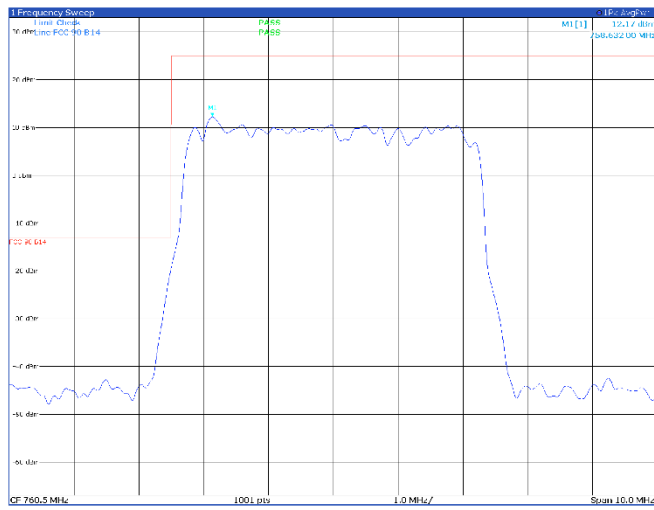
TM3p1, 5 MHz, low channel



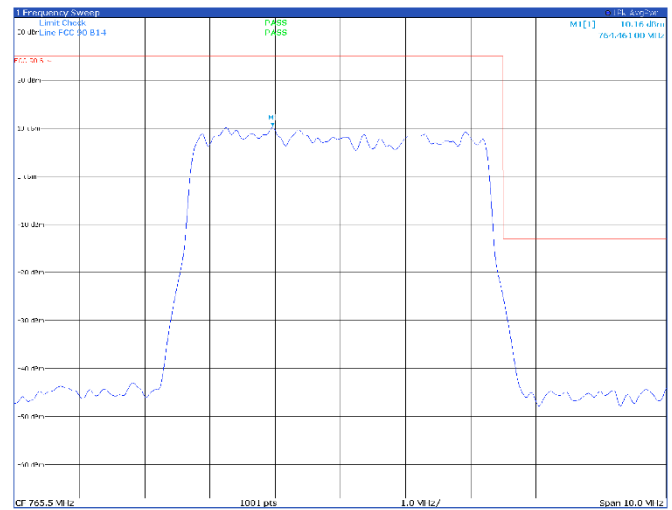
TM3p1, 5 MHz, high channel



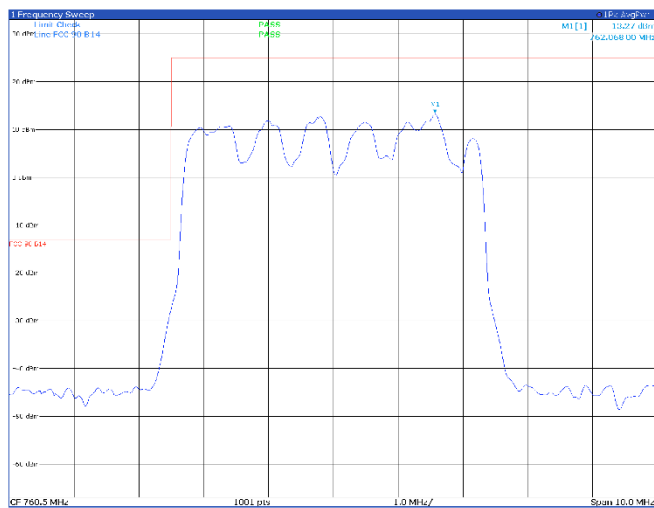
TM3p1a, 5 MHz, low channel



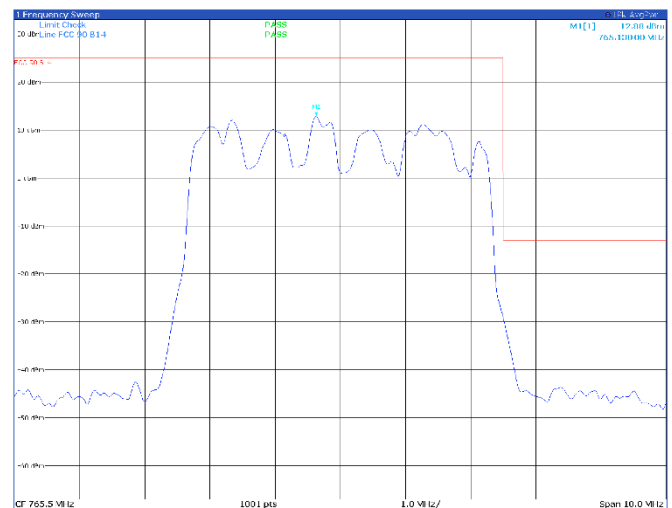
TM3p1a, 5 MHz, high channel



TM3p3, 5 MHz, low channel

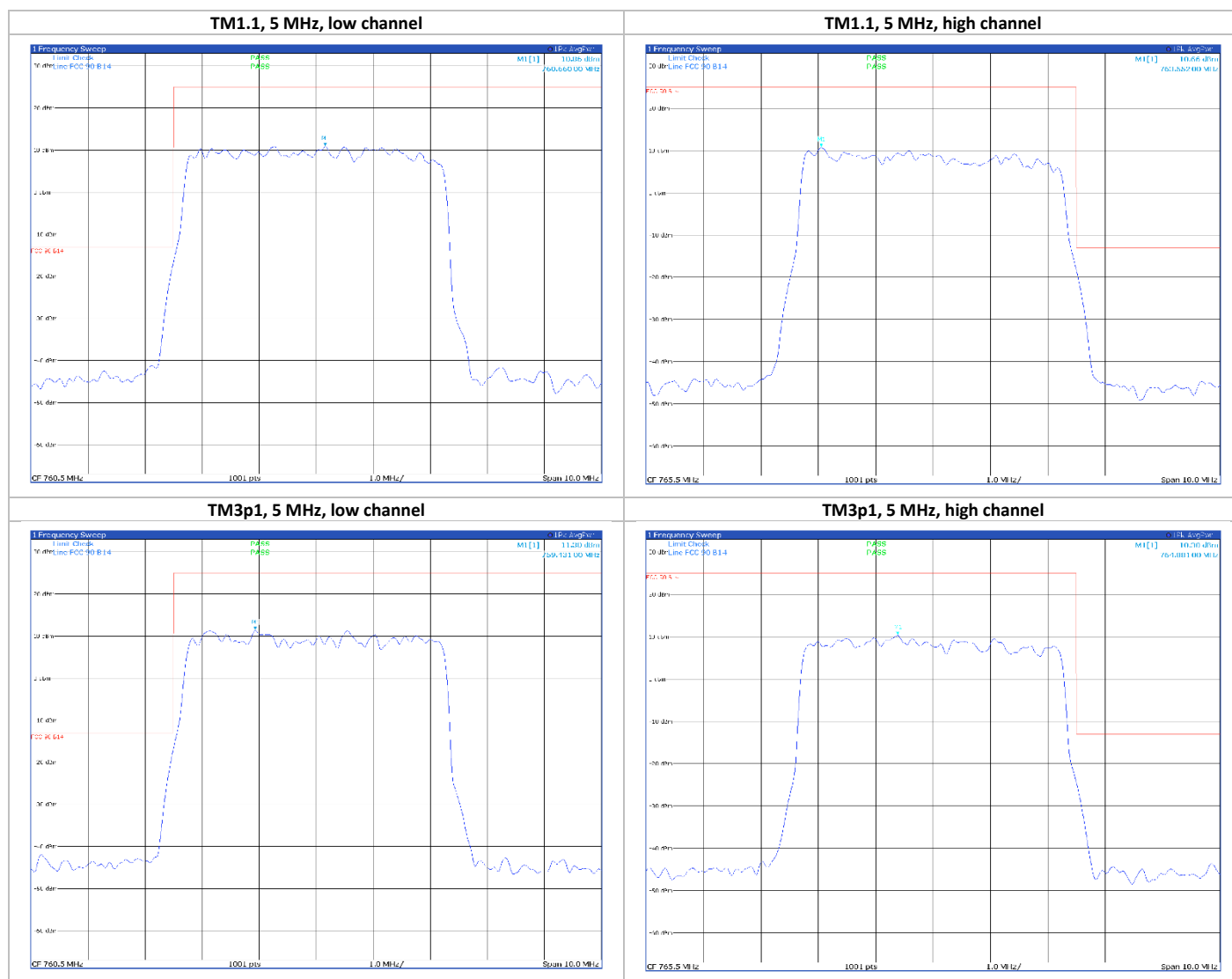


TM3p3, 5 MHz, high channel

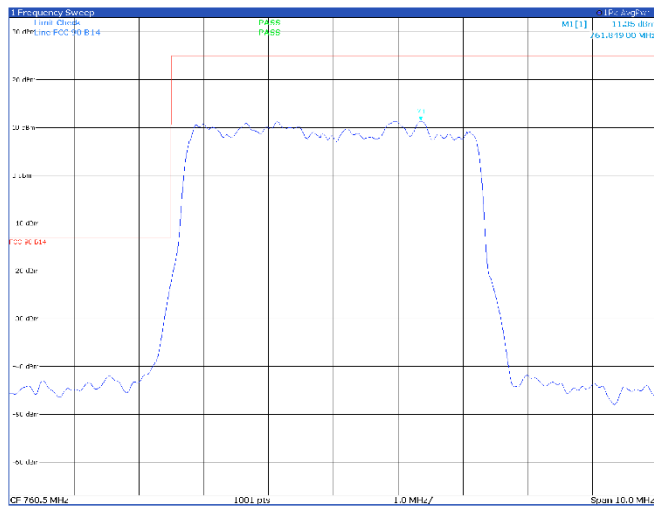


Band n14 – band edge Antenna port 2

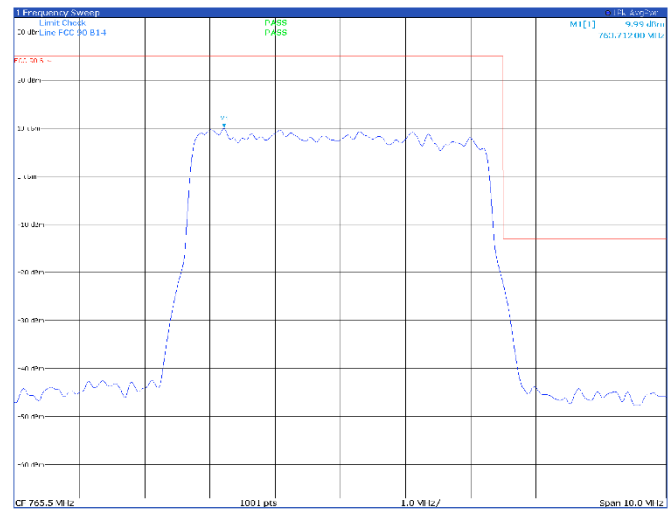
5 MHz



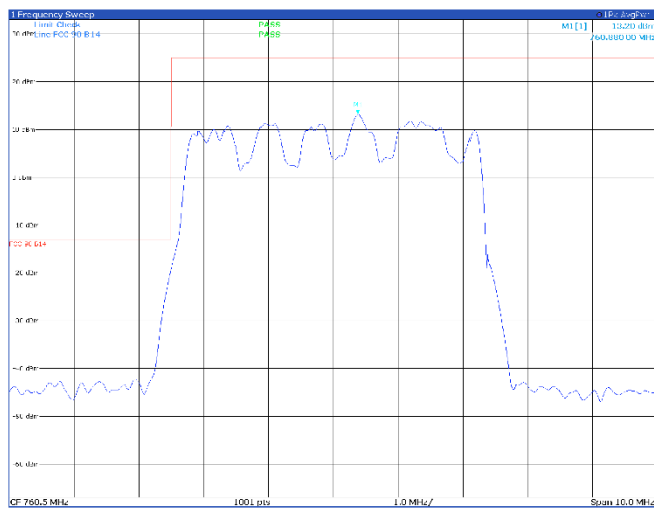
TM3p1a, 5 MHz, low channel



TM3p1a, 5 MHz, high channel



TM3p3, 5 MHz, low channel



TM3p3, 5 MHz, high channel

