

RADIO TEST REPORT

REP068464

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 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	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 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
REP068464	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(c)(3)	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	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	n12: 729 - 746 MHz
RF power Max (W), Conducted	max Port 1 = 22.4 dBm (0.17 W) – max Port 2 = 22.9 dBm (0.19 W); max comb. Port 1 + Port 2 = 25.6 dBm (0.36 W) @743.5 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

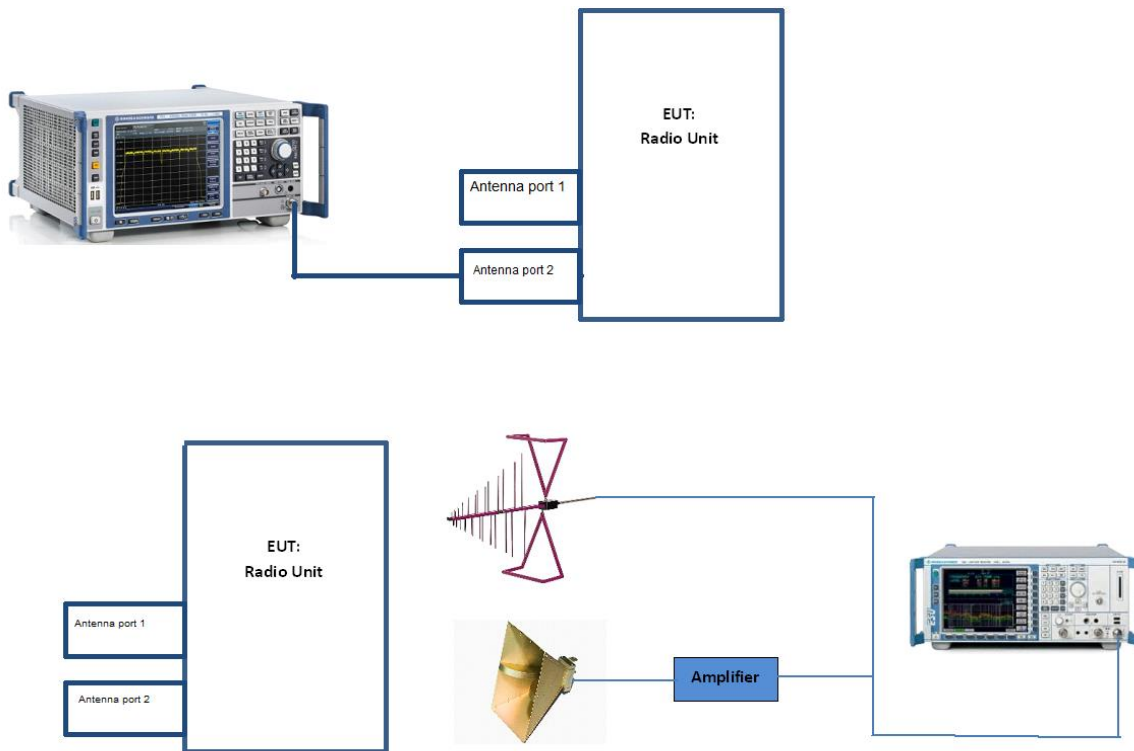


Figure 3.6-1: Setup diagram

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 20, 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 n12:

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 20, 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 n12: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM1.1	731.5	4.47
n12	5 MHz	TM1.1	737.5	4.49
n12	5 MHz	TM1.1	743.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM3p1	731.5	4.48
n12	5 MHz	TM3p1	737.5	4.49
n12	5 MHz	TM3p1	743.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM3p1a	731.5	4.49
n12	5 MHz	TM3p1a	737.5	4.50
n12	5 MHz	TM3p1a	743.5	4.50

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM3p3	731.5	4.51
n12	5 MHz	TM3p3	737.5	4.51
n12	5 MHz	TM3p3	743.5	4.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM1.1	734.0	9.31
n12	10 MHz	TM1.1	737.5	9.30
n12	10 MHz	TM1.1	741.0	9.31

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM3p1	734.0	9.29
n12	10 MHz	TM3p1	737.5	9.28
n12	10 MHz	TM3p1	741.0	9.29

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM3p1a	734.0	9.32
n12	10 MHz	TM3p1a	737.5	9.32
n12	10 MHz	TM3p1a	741.0	9.32

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM3p3	734.0	9.13
n12	10 MHz	TM3p3	737.5	9.15
n12	10 MHz	TM3p3	741.0	9.14

Band n12: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM1.1	731.5	4.49
n12	5 MHz	TM1.1	737.5	4.50
n12	5 MHz	TM1.1	743.5	4.48

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM3p1	731.5	4.48
n12	5 MHz	TM3p1	737.5	4.48
n12	5 MHz	TM3p1	743.5	4.49

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM3p1a	731.5	4.49
n12	5 MHz	TM3p1a	737.5	4.49
n12	5 MHz	TM3p1a	743.5	4.50

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	5 MHz	TM3p3	731.5	4.51
n12	5 MHz	TM3p3	737.5	4.51
n12	5 MHz	TM3p3	743.5	4.51

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM1.1	734.0	9.31
n12	10 MHz	TM1.1	737.5	9.30
n12	10 MHz	TM1.1	741.0	9.31

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM3p1	734.0	9.28
n12	10 MHz	TM3p1	737.5	9.29
n12	10 MHz	TM3p1	741.0	9.29

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM3p1a	734.0	9.31
n12	10 MHz	TM3p1a	737.5	9.32
n12	10 MHz	TM3p1a	741.0	9.32

Band	OBW Declared	Modulation	Channel (MHz)	99% OBW (MHz)
n12	10 MHz	TM3p3	734.0	9.14
n12	10 MHz	TM3p3	737.5	9.13
n12	10 MHz	TM3p3	741.0	9.13

Antenna port 1

Band n12

5 MHz

TM1.1, 5 MHz, low channel

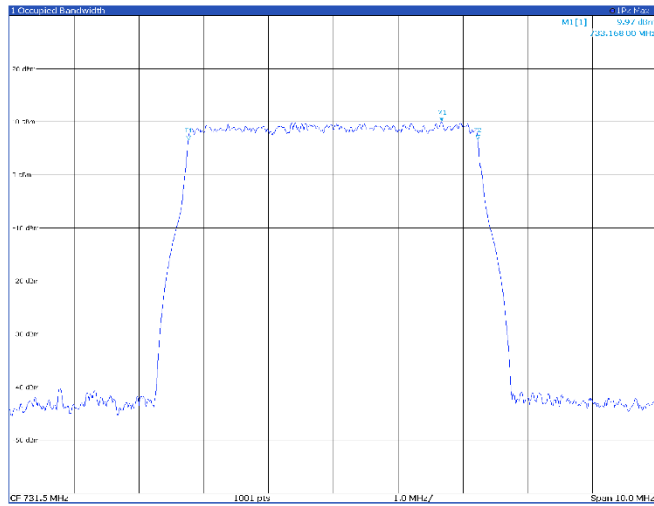


Table	Ref	Trc	X Value	Y Value	Function	Function Result
1-1	1		733.168 MHz	9.97 dBm	Occ Sw	4.465 422 124 MHz
1-1	1		733.168 00 MHz	9.97 dBm	Occ Sw Control	733.168 00 MHz
1-1	1		733.168 00 MHz	9.97 dBm	Occ Sw Integ Offset	9.97 dBm

TM1.1, 5 MHz, mid channel

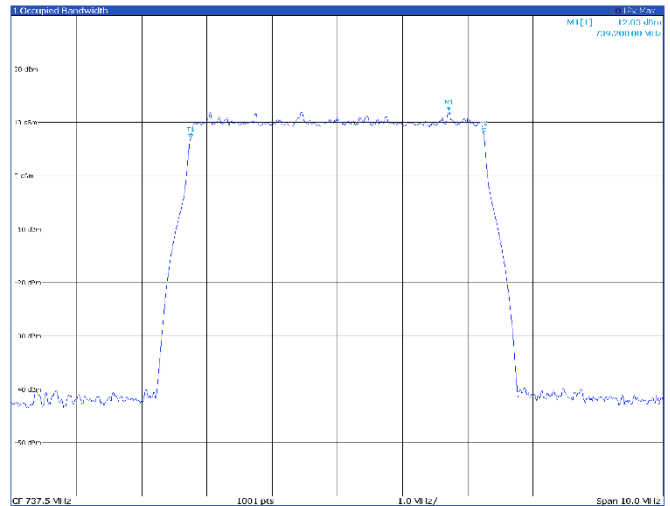


Table	Ref	Trc	X Value	Y Value	Function	Function Result
1-1	1		739.208 MHz	12.03 dBm	Occ Sw	4.493 617 699 MHz
1-1	1		739.208 00 MHz	12.03 dBm	Occ Sw Control	739.208 00 MHz
1-1	1		739.208 00 MHz	12.03 dBm	Occ Sw Integ Offset	12.03 dBm

TM1.1, 5 MHz, high channel

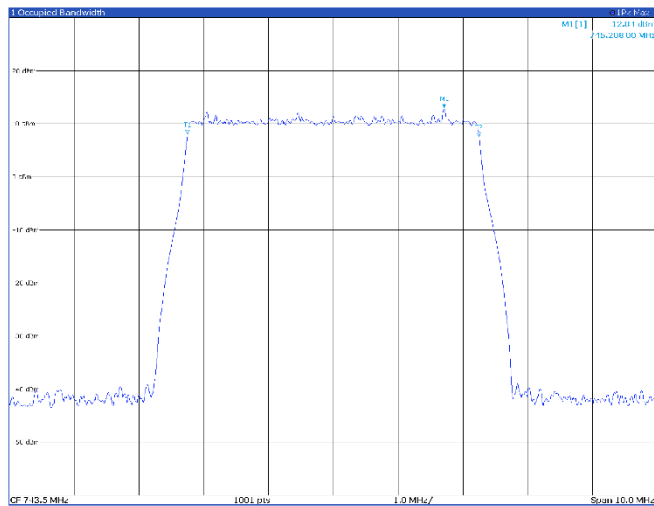


Table	Ref	Trc	X Value	Y Value	Function	Function Result
1-1	1		745.208 MHz	12.84 dBm	Occ Sw	4.494 121 211 MHz
1-1	1		745.208 00 MHz	12.84 dBm	Occ Sw Control	745.208 00 MHz
1-1	1		745.208 00 MHz	12.84 dBm	Occ Sw Integ Offset	12.84 dBm

TM3p1, 5 MHz, low channel

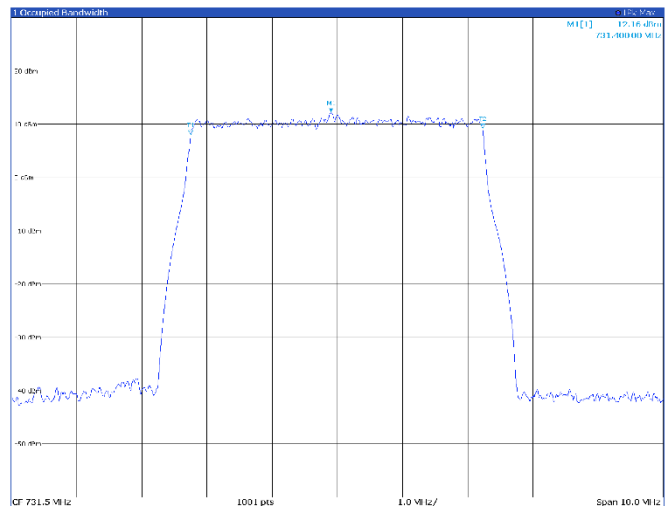
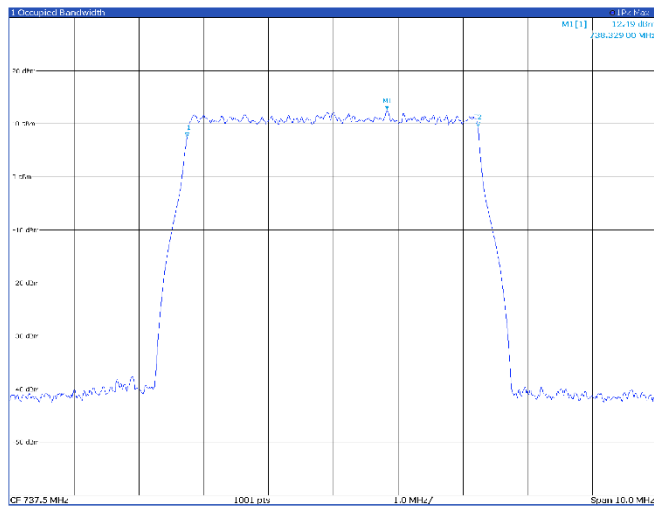


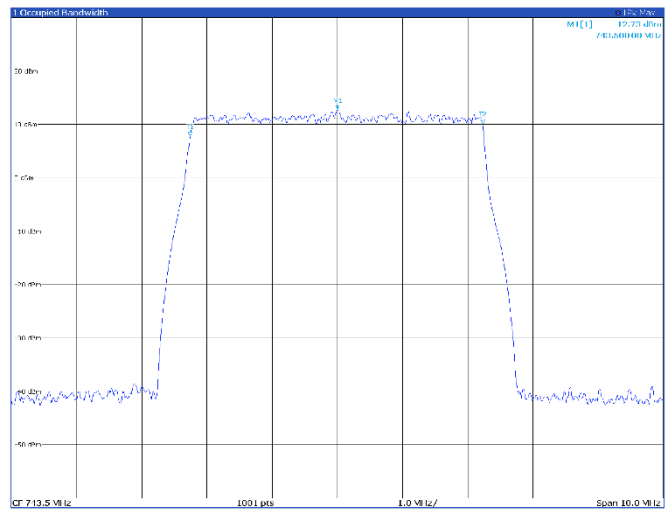
Table	Ref	Trc	X Value	Y Value	Function	Function Result
1-1	1		731.4 MHz	12.16 dBm	Occ Sw	4.463 760 079 MHz
1-1	1		731.400 00 MHz	12.16 dBm	Occ Sw Control	731.400 00 MHz
1-1	1		731.400 00 MHz	12.16 dBm	Occ Sw Integ Offset	12.16 dBm

TM3p1, 5 MHz, mid channel



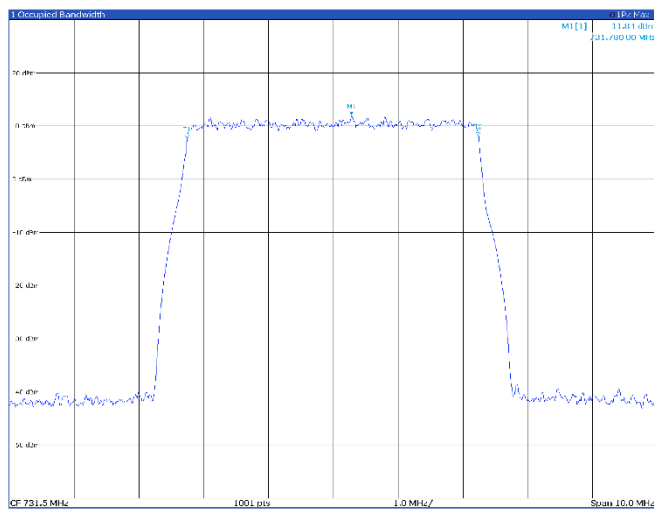
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		738.329 MHz	12.49 dBm	Occ Sw	4.487 277 017 MHz
M2	1		738.329 MHz	7.49 dBm	Occ Sw	738.329 MHz
M3	1		738.329 MHz	7.49 dBm	Occ Sw	738.329 MHz

TM3p1, 5 MHz, high channel



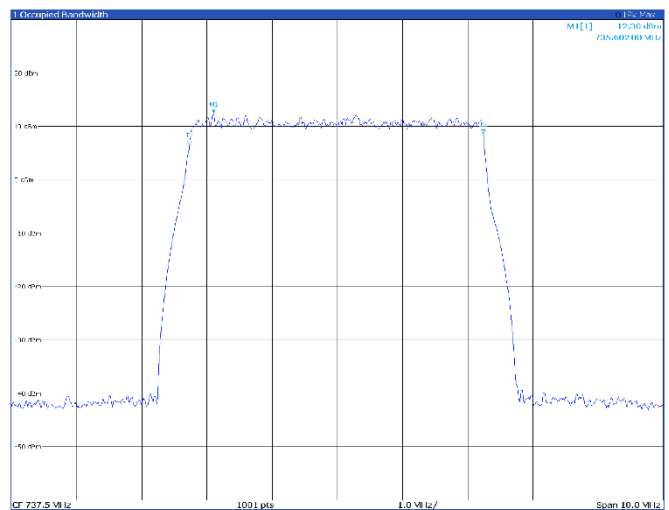
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		743.5 MHz	12.73 dBm	Occ Sw	4.488 158 438 MHz
M2	1		743.5 MHz	7.73 dBm	Occ Sw	743.5 MHz
M3	1		743.5 MHz	7.73 dBm	Occ Sw	743.5 MHz

TM3p1a, 5 MHz, low channel



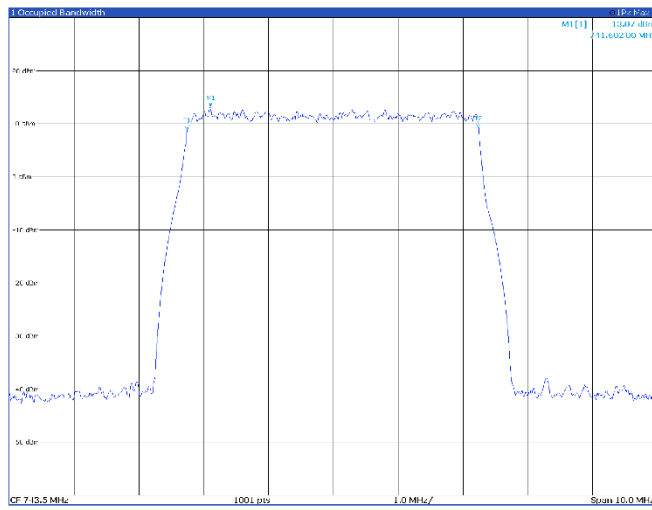
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		731.76 MHz	11.84 dBm	Occ Sw	4.494 492 799 MHz
M2	1		731.76 MHz	7.24 dBm	Occ Sw	731.76 MHz
M3	1		731.76 MHz	7.24 dBm	Occ Sw	731.76 MHz

TM3p1a, 5 MHz, mid channel



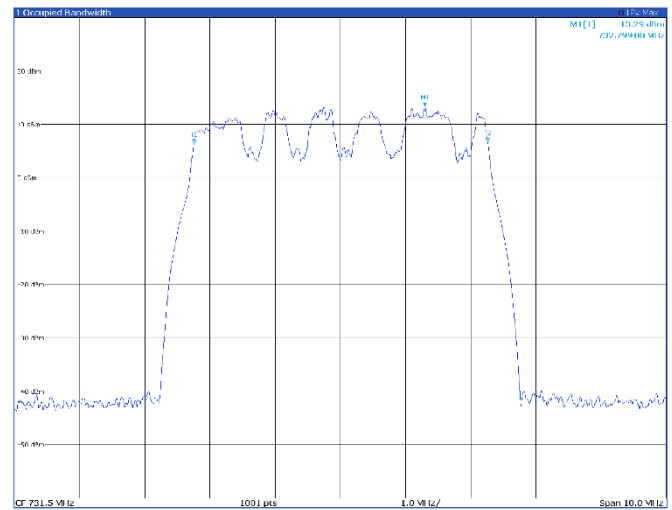
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		735.602 MHz	12.30 dBm	Occ Sw	4.497 828 995 MHz
M2	1		735.602 MHz	6.30 dBm	Occ Sw	735.602 MHz
M3	1		735.602 MHz	6.30 dBm	Occ Sw	735.602 MHz

TM3p1a, 5 MHz, high channel



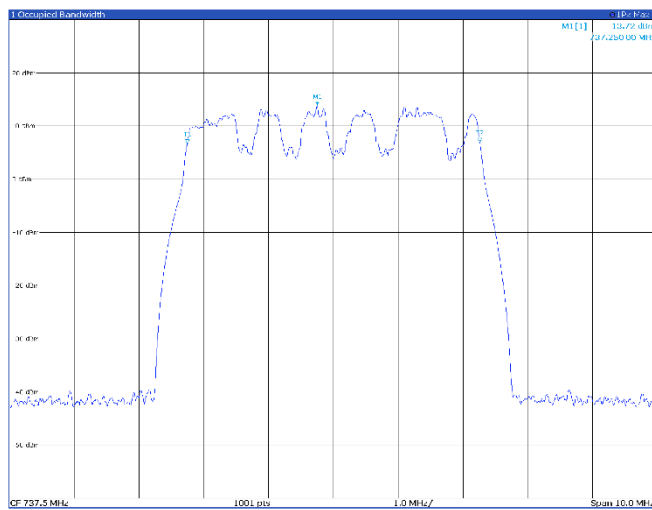
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1	1	741.602 MHz	13.07 dBm	dBm	Occ BW	4.495 931 082 MHz
M1	1	1	741.602 MHz	13.07 dBm	dBm	Occ BW Channel	741.602 MHz
M1	1	1	741.602 MHz	13.07 dBm	dBm	Occ BW Offset	741.602 MHz

TM3p3, 5 MHz, low channel



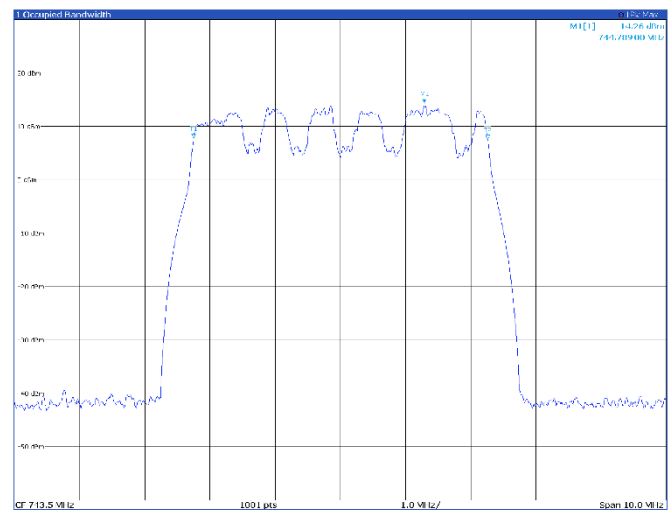
Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1	1	732.799 MHz	13.29 dBm	dBm	Occ BW	4.508 869 512 MHz
M1	1	1	732.799 MHz	13.29 dBm	dBm	Occ BW Channel	732.799 MHz
M1	1	1	732.799 MHz	13.29 dBm	dBm	Occ BW Offset	732.799 MHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1	1	737.25 MHz	13.72 dBm	dBm	Occ BW	4.513 276 968 MHz
M1	1	1	737.25 MHz	13.72 dBm	dBm	Occ BW Channel	737.25 MHz
M1	1	1	737.25 MHz	13.72 dBm	dBm	Occ BW Offset	737.25 MHz

TM3p3, 5 MHz, high channel

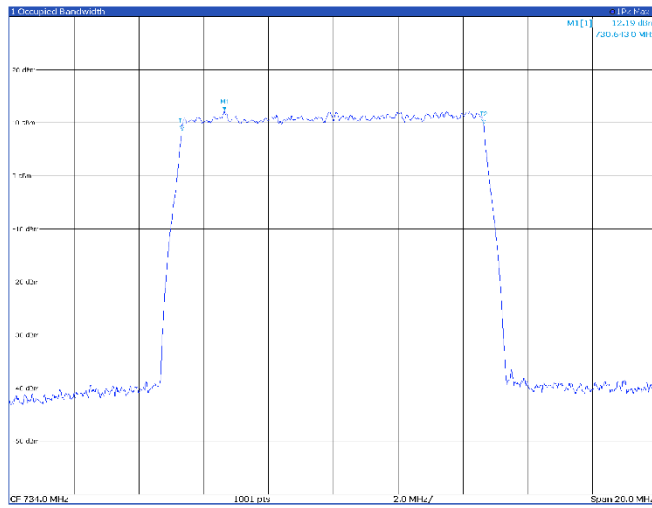


Type	Ref	Trc	X Value	Y Value	Unit	Function	Function Result
M1	1	1	744.789 MHz	14.26 dBm	dBm	Occ BW	4.509 212 56 MHz
M1	1	1	744.789 MHz	14.26 dBm	dBm	Occ BW Channel	744.789 MHz
M1	1	1	744.789 MHz	14.26 dBm	dBm	Occ BW Offset	744.789 MHz

Band n12

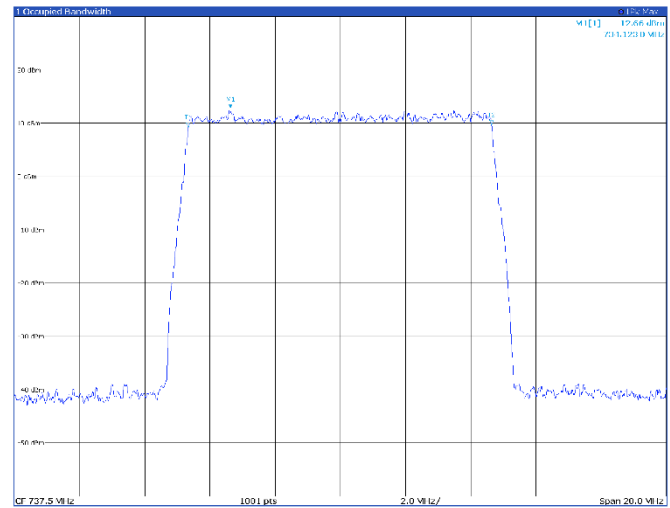
10 MHz

TM1.1, 10 MHz, low channel



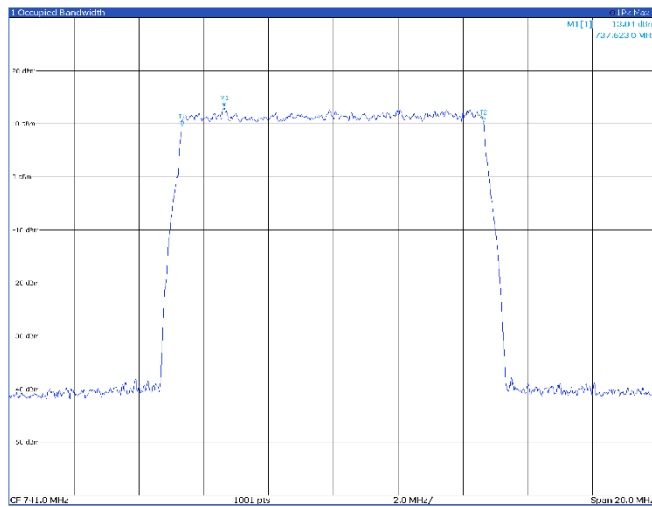
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		730.643 MHz	12.19 dBm	Occ Ser	9.308 151 547 MHz
T1	1		729.520 MHz	9.46 dBm	Occ Ser Control	729.520 000 MHz
T2	1		731.640 MHz	9.46 dBm	Occ Ser Limit Offset	731.640 000 MHz

TM1.1, 10 MHz, mid channel



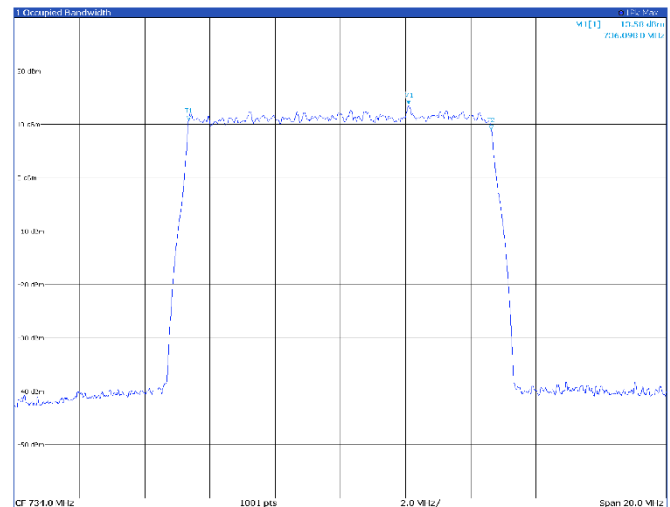
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		734.123 MHz	12.66 dBm	Occ Ser	9.304 600 386 MHz
T1	1		733.000 MHz	9.46 dBm	Occ Ser Control	733.000 000 MHz
T2	1		735.246 MHz	9.46 dBm	Occ Ser Limit Offset	735.246 000 MHz

TM1.1, 10 MHz, high channel



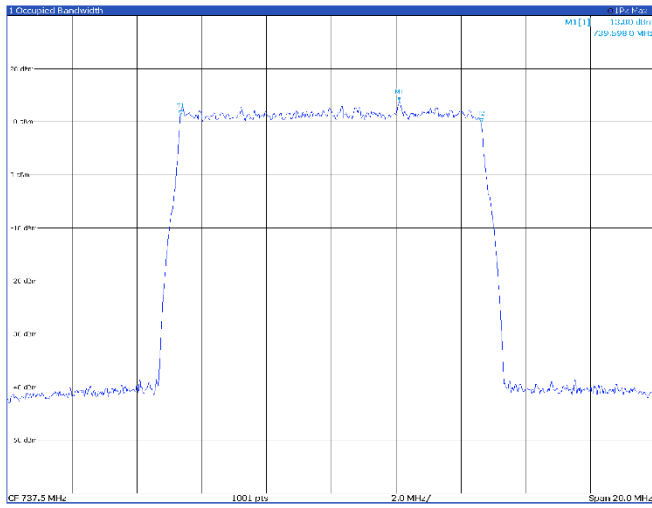
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		737.623 MHz	13.04 dBm	Occ Ser	9.308 993 33 MHz
T1	1		736.500 MHz	9.46 dBm	Occ Ser Control	736.500 000 MHz
T2	1		738.746 MHz	9.46 dBm	Occ Ser Limit Offset	738.746 000 MHz

TM3p1, 10 MHz, low channel



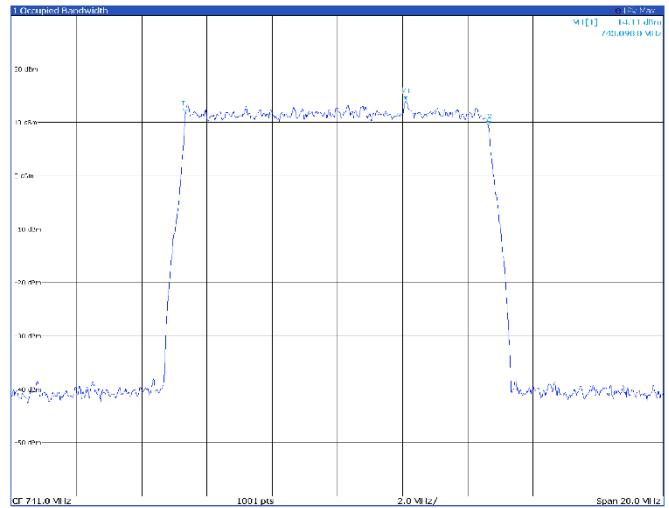
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		736.098 MHz	13.58 dBm	Occ Ser	9.285 319 083 MHz
T1	1		735.000 MHz	9.46 dBm	Occ Ser Control	735.000 000 MHz
T2	1		737.196 MHz	9.46 dBm	Occ Ser Limit Offset	737.196 000 MHz

TM3p1, 10 MHz, mid channel



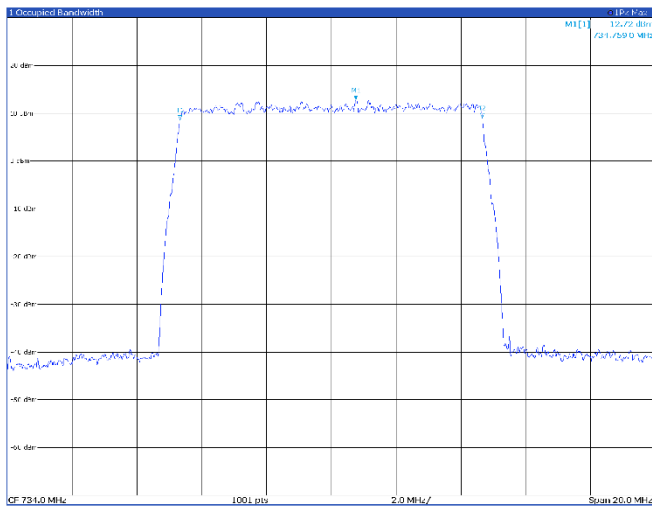
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		739.598 MHz	13.80 dBm	On: Sw	9.261 697 695 MHz
T1	1		736.592 MHz	11.25 dBm	On: Sw Channel	737.402 299 676 MHz
T2	1		740.594 MHz	9.77 dBm	On: Sw Channel	737.400 173 411 MHz

TM3p1, 10 MHz, high channel



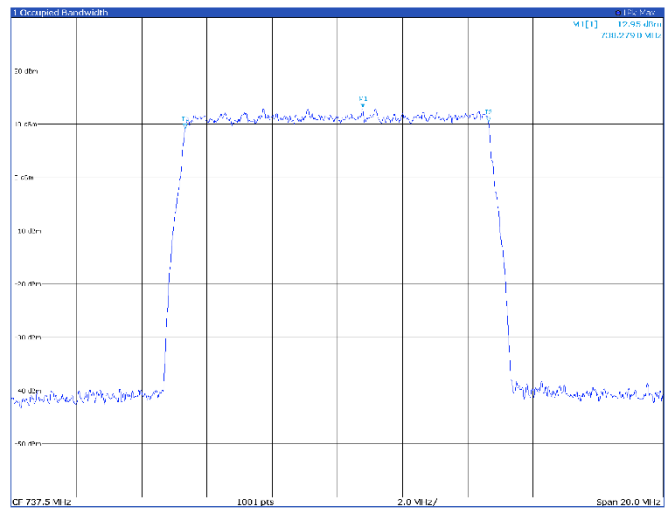
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		743.098 MHz	14.11 dBm	On: Sw	9.289 001 135 MHz
T1	1		740.092 MHz	11.70 dBm	On: Sw Channel	740.901 050 47 MHz
T2	1		746.094 MHz	10.77 dBm	On: Sw Channel	740.900 21 11 MHz

TM3p1a, 10 MHz, low channel



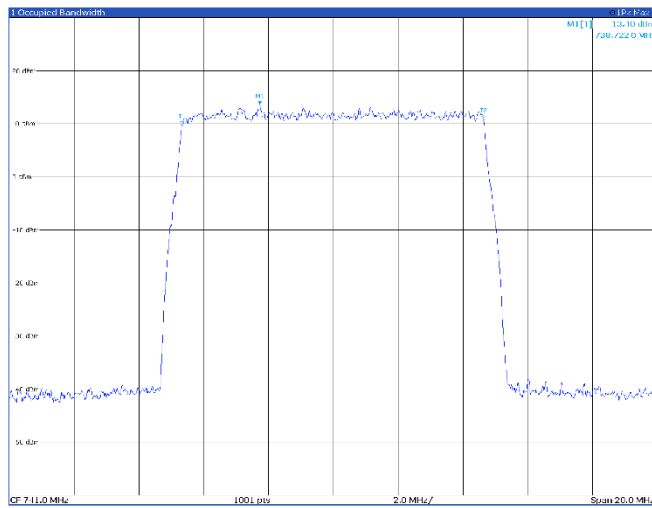
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		734.759 MHz	12.72 dBm	On: Sw	9.316 182 872 MHz
T1	1		731.752 MHz	8.20 dBm	On: Sw Channel	732.562 288 410 MHz
T2	1		737.754 MHz	6.95 dBm	On: Sw Channel	737.460 173 411 MHz

TM3p1a, 10 MHz, mid channel



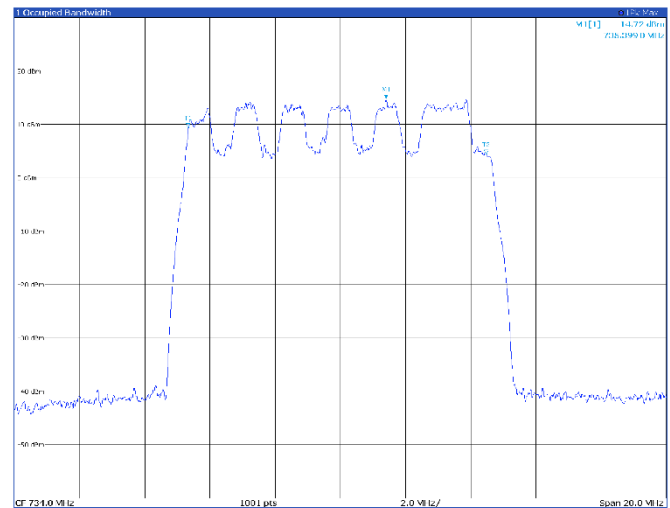
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.279 MHz	12.95 dBm	On: Sw	9.317 400 074 MHz
T1	1		735.272 MHz	9.22 dBm	On: Sw Channel	737.460 288 410 MHz
T2	1		741.274 MHz	10.65 dBm	On: Sw Channel	737.460 173 411 MHz

TM3p1a, 10 MHz, high channel



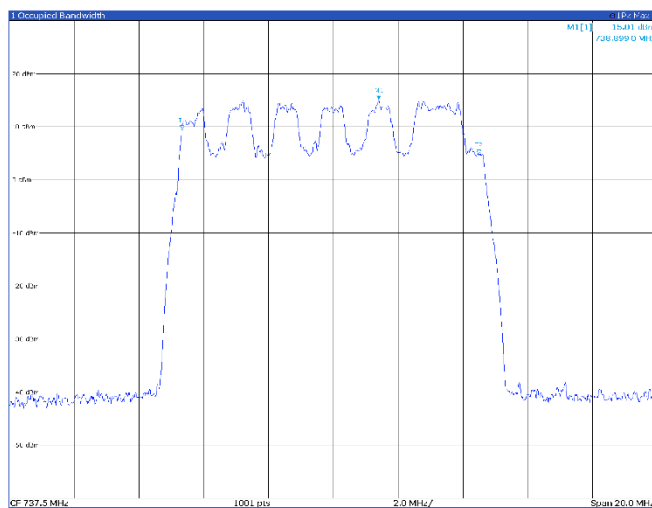
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		736.722 MHz	13.40 dBm	Off Set	9.316 430 056 MHz
T1	1		736.722 MHz	9.25 dBm	Occ Set Control	740.977 027 422 MHz
T2	1		736.722 MHz	10.00 dBm	Occ Set Trig Offset	736.722 000 000 MHz

TM3p3, 10 MHz, low channel



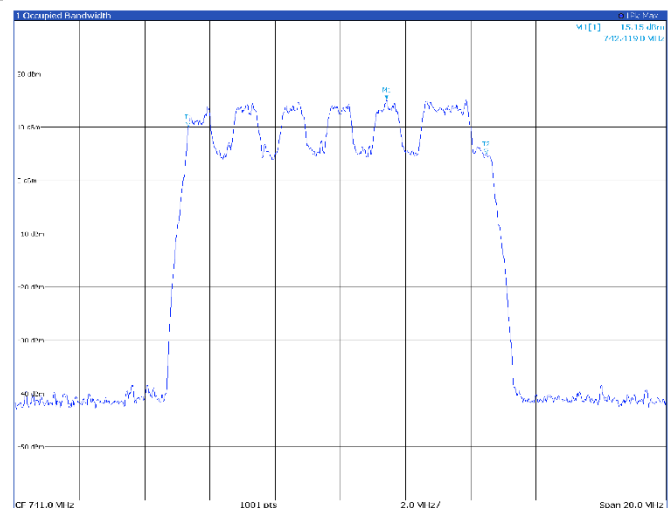
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		735.399 MHz	14.72 dBm	Off Set	9.134 656 649 MHz
T1	1		735.399 MHz	9.42 dBm	Occ Set Control	735.399 000 000 MHz
T2	1		735.399 MHz	4.41 dBm	Occ Set Trig Offset	735.399 000 000 MHz

TM3p3, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.899 MHz	15.01 dBm	Off Set	9.148 700 427 MHz
T1	1		738.899 MHz	9.25 dBm	Occ Set Control	738.899 000 000 MHz
T2	1		738.899 MHz	4.22 dBm	Occ Set Trig Offset	738.899 000 000 MHz

TM3p3, 10 MHz, high channel



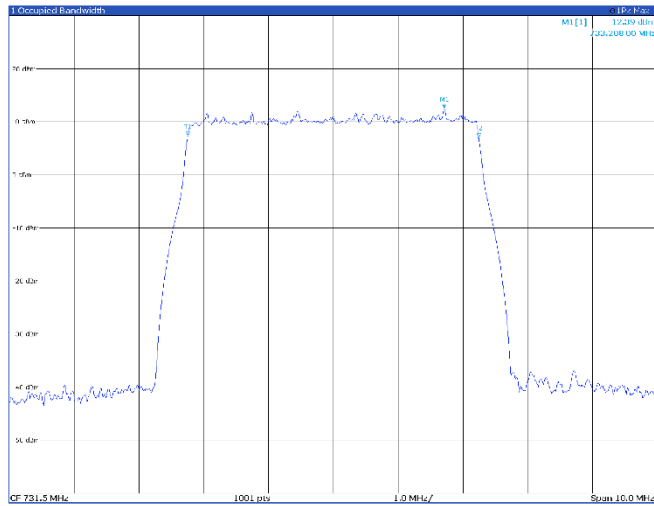
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		742.419 MHz	15.15 dBm	Off Set	9.141 277 49 MHz
T1	1		742.419 MHz	9.03 dBm	Occ Set Control	742.419 000 000 MHz
T2	1		742.419 MHz	5.03 dBm	Occ Set Trig Offset	742.419 000 000 MHz

Antenna port 2

Band n12

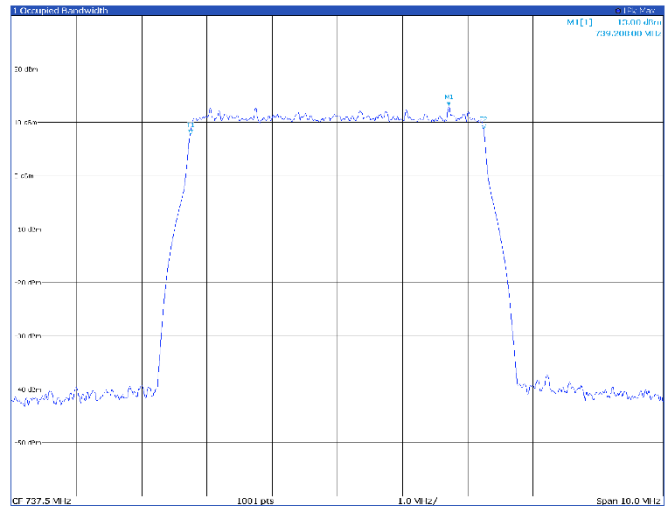
5 MHz

TM1.1, 5 MHz, low channel



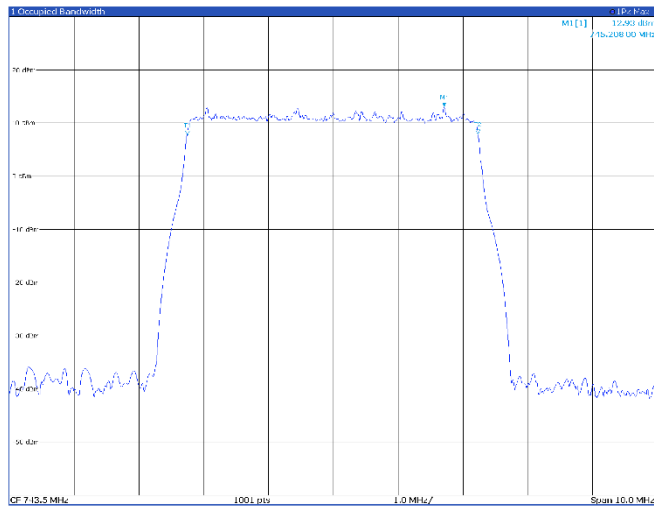
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		733.208 MHz	12.39 dBm	Occ. BW	4.487 213 991 MHz
M1	1		733.208 MHz	12.39 dBm	Occ. BW	4.487 213 991 MHz
M1	1		733.208 MHz	12.39 dBm	Occ. BW	4.487 213 991 MHz

TM1.1, 5 MHz, mid channel



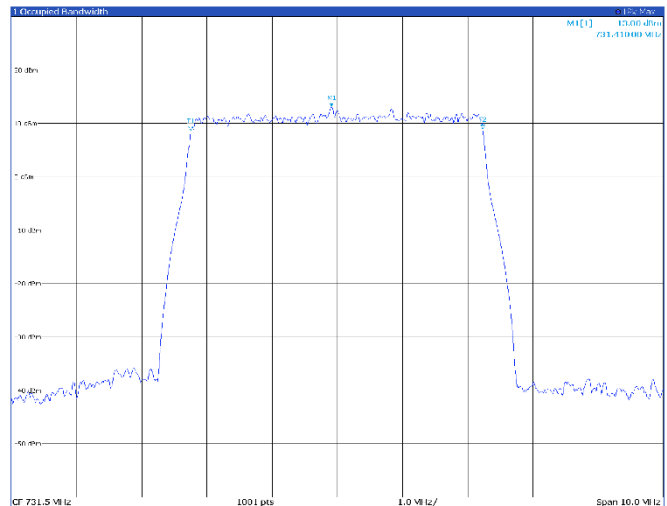
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		733.208 MHz	13.00 dBm	Occ. BW	4.496 657 265 MHz
M1	1		733.208 MHz	13.00 dBm	Occ. BW	4.496 657 265 MHz
M1	1		733.208 MHz	13.00 dBm	Occ. BW	4.496 657 265 MHz

TM1.1, 5 MHz, high channel



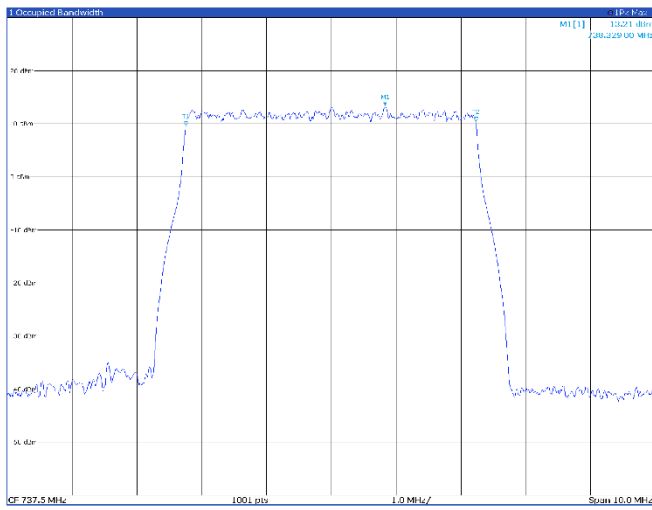
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		733.208 MHz	12.93 dBm	Occ. BW	4.480 097 312 MHz
M1	1		733.208 MHz	12.93 dBm	Occ. BW	4.480 097 312 MHz
M1	1		733.208 MHz	12.93 dBm	Occ. BW	4.480 097 312 MHz

TM3p1, 5 MHz, low channel



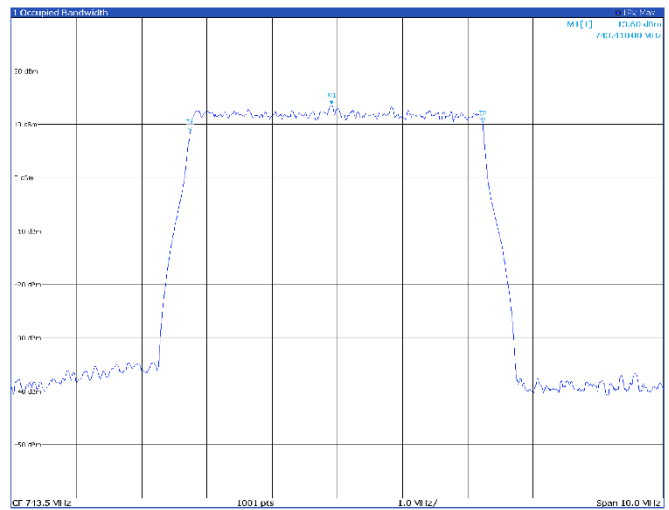
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		731.41 MHz	13.00 dBm	Occ. BW	4.463 619 293 MHz
M1	1		731.41 MHz	13.00 dBm	Occ. BW	4.463 619 293 MHz
M1	1		731.41 MHz	13.00 dBm	Occ. BW	4.463 619 293 MHz

TM3p1, 5 MHz, mid channel



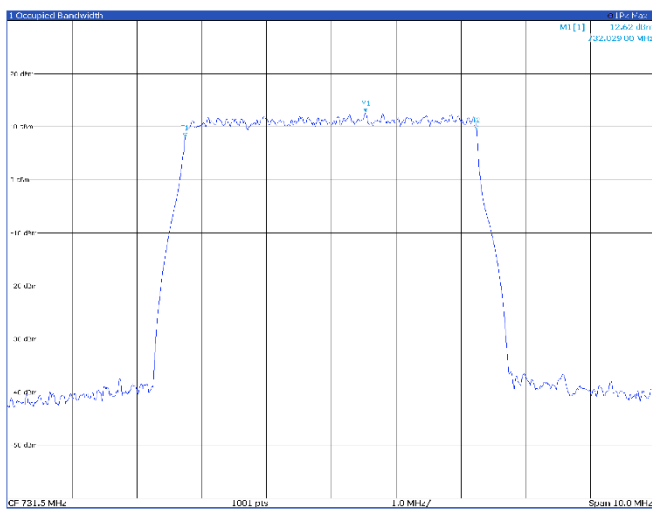
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.329 MHz	13.21 dBm	Occ Sw	4.477 744 529 MHz
M1	1		738.329 MHz	13.21 dBm	Occ Sw	738.329 MHz
M1	1		738.329 MHz	13.21 dBm	Occ Sw	738.329 MHz

TM3p1, 5 MHz, high channel



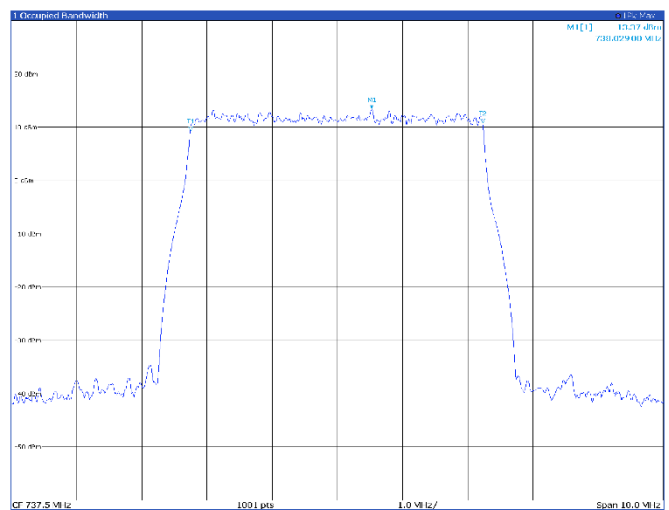
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		743.41 MHz	13.60 dBm	Occ Sw	4.486 289 119 MHz
M1	1		743.41 MHz	13.60 dBm	Occ Sw	743.41 MHz
M1	1		743.41 MHz	13.60 dBm	Occ Sw	743.41 MHz

TM3p1a, 5 MHz, low channel



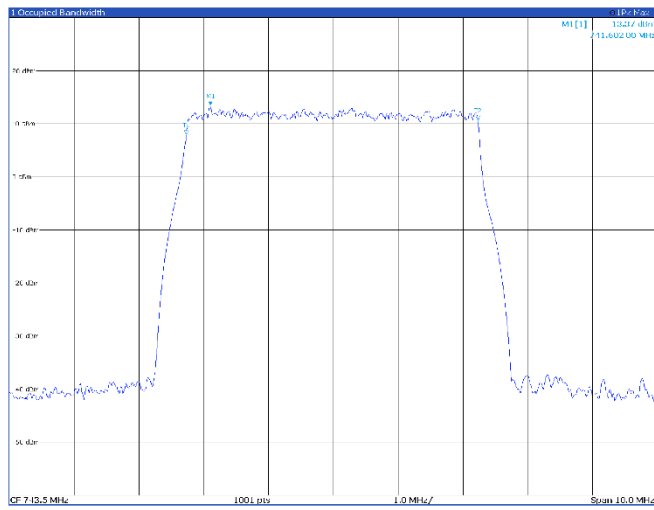
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		732.029 MHz	12.62 dBm	Occ Sw	4.490 914 481 MHz
M1	1		732.029 MHz	12.62 dBm	Occ Sw	732.029 MHz
M1	1		732.029 MHz	12.62 dBm	Occ Sw	732.029 MHz

TM3p1a, 5 MHz, mid channel



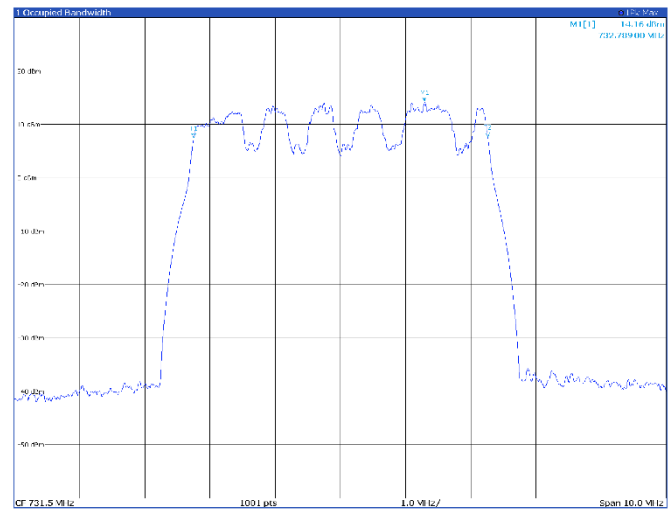
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.029 MHz	13.37 dBm	Occ Sw	4.487 161 742 MHz
M1	1		738.029 MHz	13.37 dBm	Occ Sw	738.029 MHz
M1	1		738.029 MHz	13.37 dBm	Occ Sw	738.029 MHz

TM3p1a, 5 MHz, high channel



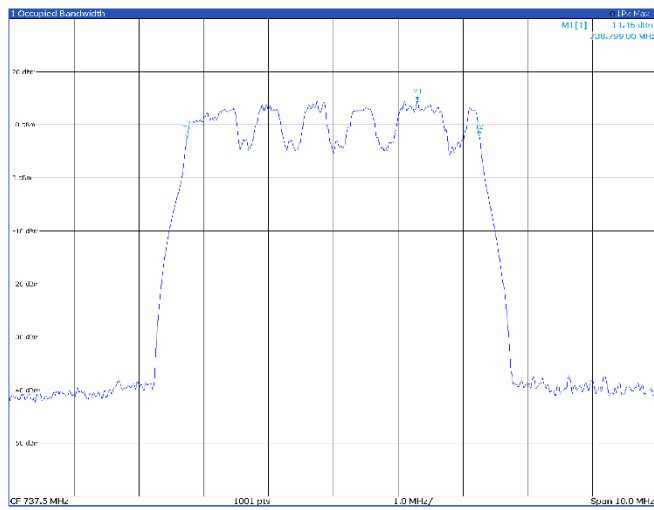
Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		741.602 MHz	13.37 dBm	Occ Sw		4.496 858 712 MHz
F1	1		741.24512 MHz	7.52 dBm	Occ Sw Channel 1		741.24512 MHz
F2	1		741.71888 MHz	10.48 dBm	Occ Sw Channel 2		741.71888 MHz

TM3p3, 5 MHz, low channel



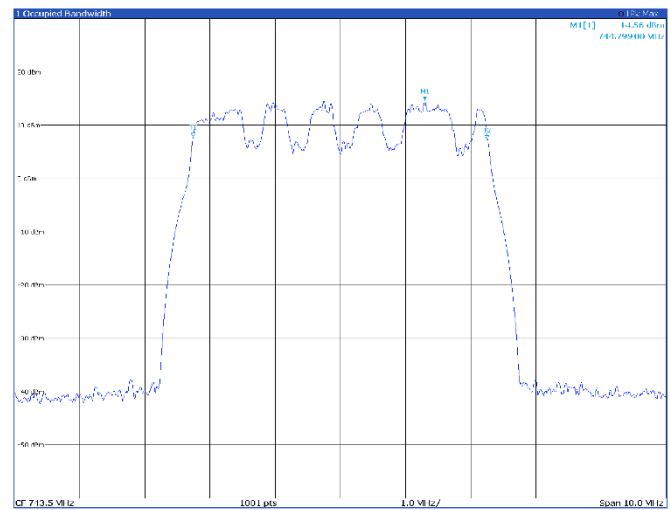
Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		732.789 MHz	14.16 dBm	Occ Sw		4.511 552 048 MHz
F1	1		732.24916 MHz	7.45 dBm	Occ Sw Channel 1		732.24916 MHz
F2	1		733.32884 MHz	7.61 dBm	Occ Sw Channel 2		733.32884 MHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		738.799 MHz	14.46 dBm	Occ Sw		4.508 496 184 MHz
F1	1		738.24912 MHz	7.51 dBm	Occ Sw Channel 1		738.24912 MHz
F2	1		739.34888 MHz	7.66 dBm	Occ Sw Channel 2		739.34888 MHz

TM3p1, 5 MHz, high channel

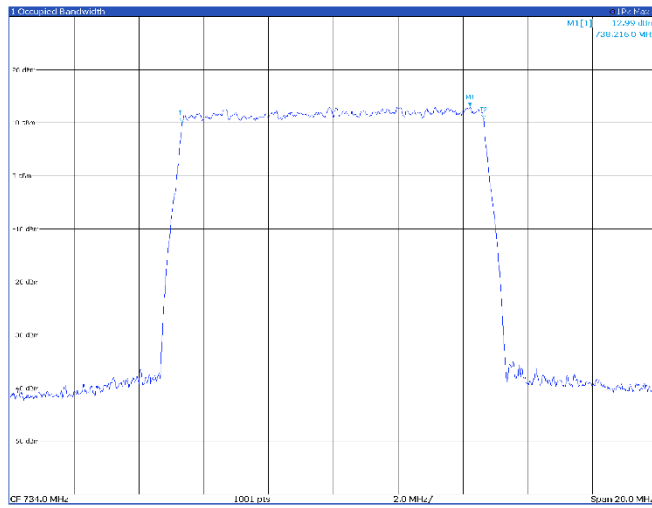


Type	Ref	Trc	X Value	Y Value	Occ Sw	Function	Function Result
M1	1		744.799 MHz	14.56 dBm	Occ Sw		4.511 331 874 MHz
F1	1		744.24912 MHz	7.55 dBm	Occ Sw Channel 1		744.24912 MHz
F2	1		745.34888 MHz	7.61 dBm	Occ Sw Channel 2		745.34888 MHz

Band n12

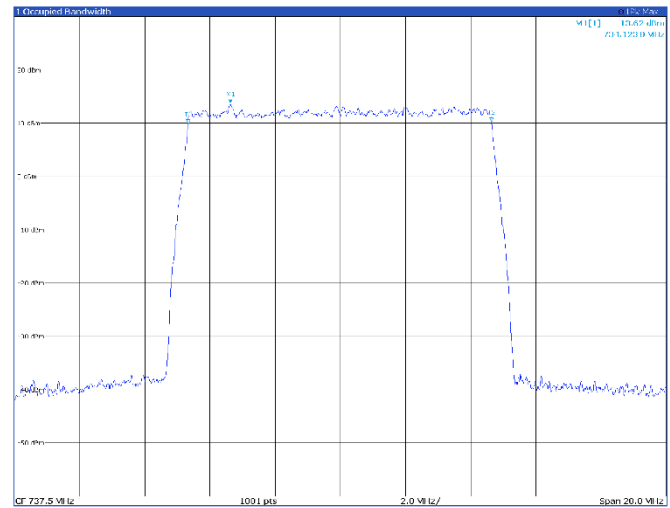
10 MHz

TM1.1, 10 MHz, low channel



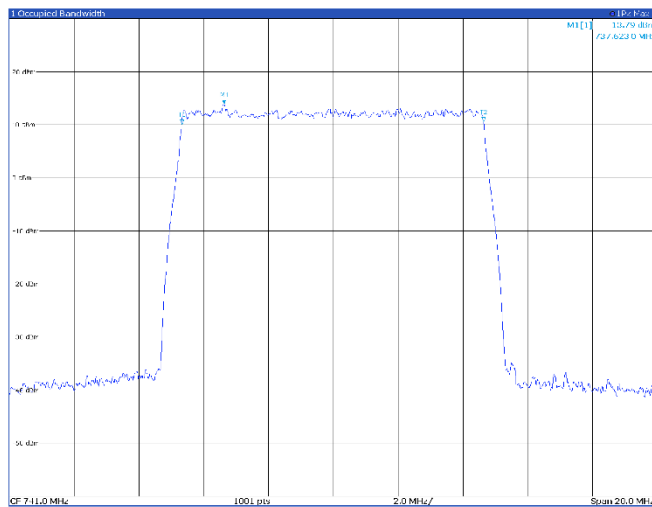
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		731.216 MHz	12.99 dBm	Occ SW	9.305398549 MHz
T1	1		729.2257 MHz	10.0E dBm	Occ SW Channel	729.2257 MHz
T2	1		733.2063 MHz	10.0E dBm	Occ SW Channel	733.2063 MHz

TM1.1, 10 MHz, mid channel



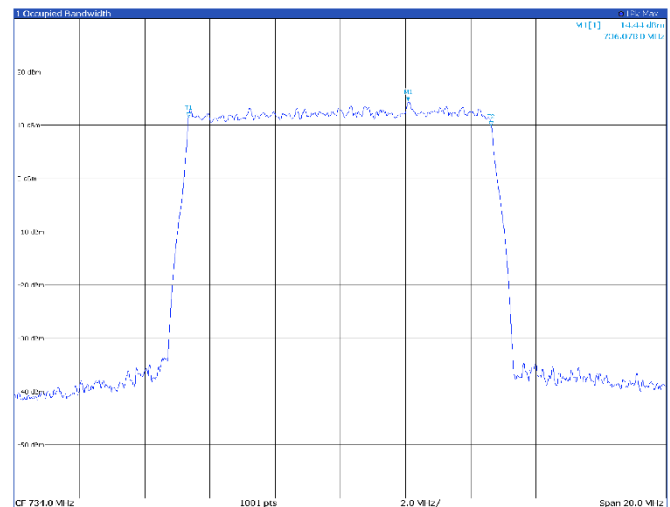
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		734.423 MHz	13.62 dBm	Occ SW	9.302445579 MHz
T1	1		732.2257 MHz	10.0E dBm	Occ SW Channel	732.2257 MHz
T2	1		736.6203 MHz	10.0E dBm	Occ SW Channel	736.6203 MHz

TM1.1, 10 MHz, high channel



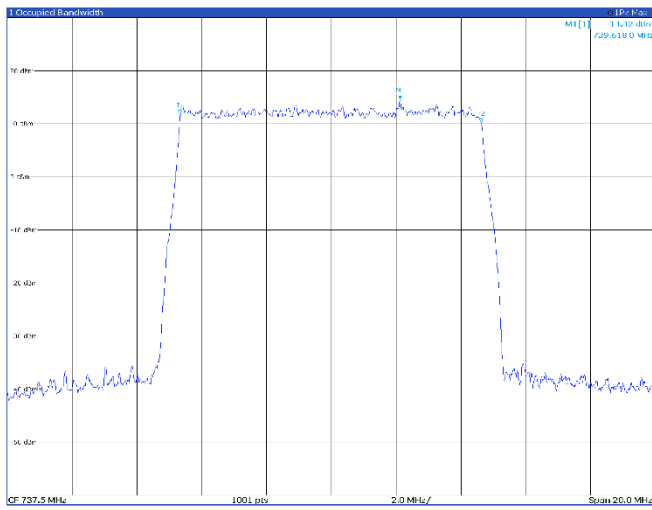
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		737.623 MHz	13.79 dBm	Occ SW	9.309462858 MHz
T1	1		735.2457 MHz	10.0E dBm	Occ SW Channel	735.2457 MHz
T2	1		739.9993 MHz	10.0E dBm	Occ SW Channel	739.9993 MHz

TM3p1, 10 MHz, low channel



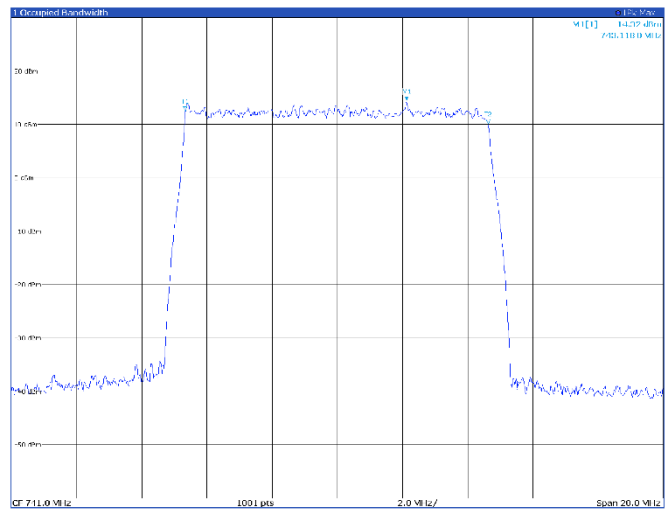
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		735.078 MHz	14.44 dBm	Occ SW	9.269212957 MHz
T1	1		729.2457 MHz	10.0E dBm	Occ SW Channel	729.2457 MHz
T2	1		740.9123 MHz	10.0E dBm	Occ SW Channel	740.9123 MHz

TM3p1, 10 MHz, mid channel



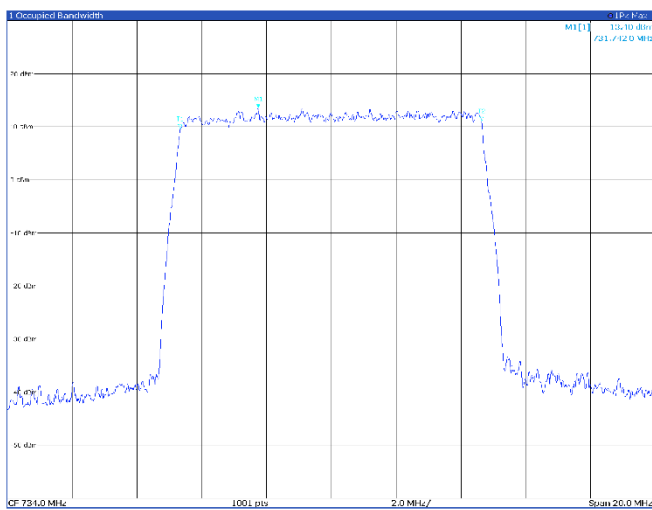
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		739.618 MHz	14.42 dBm	Occ Sw	9.286607 677 MHz
M1	1		739.618 MHz	14.42 dBm	Occ Sw Control	737.461 622 642 MHz
M1	1		739.618 MHz	14.42 dBm	Occ Sw Offset	741.765 697 142 MHz

TM3p1, 10 MHz, high channel



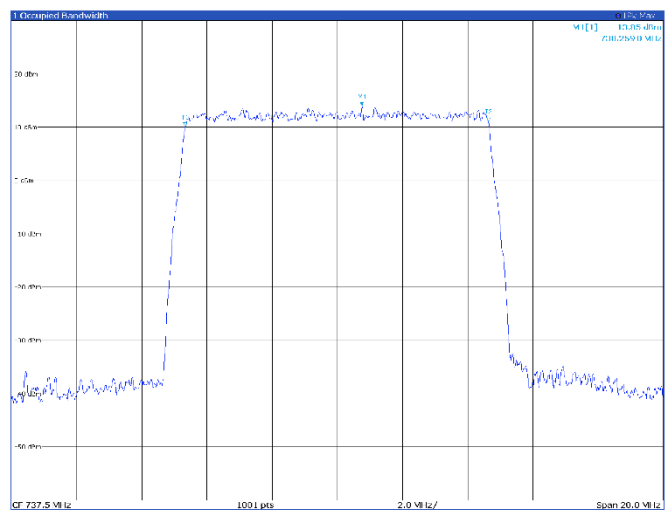
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		743.118 MHz	14.32 dBm	Occ Sw	9.267737 692 MHz
M1	1		743.118 MHz	14.32 dBm	Occ Sw Control	740.971 650 074 MHz
M1	1		743.118 MHz	14.32 dBm	Occ Sw Offset	745.265 716 112 MHz

TM3p1a, 10 MHz, low channel



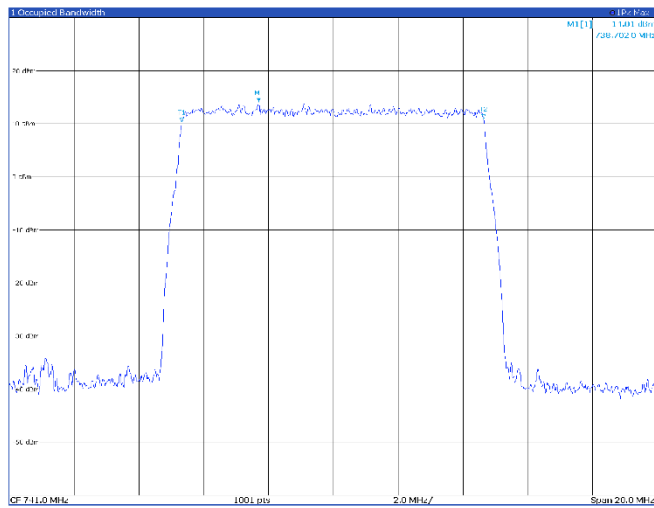
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		731.742 MHz	13.40 dBm	Occ Sw	9.306917 625 MHz
M1	1		731.742 MHz	13.40 dBm	Occ Sw Control	729.500 000 000 MHz
M1	1		731.742 MHz	13.40 dBm	Occ Sw Offset	733.984 000 000 MHz

TM3p1a, 10 MHz, mid channel



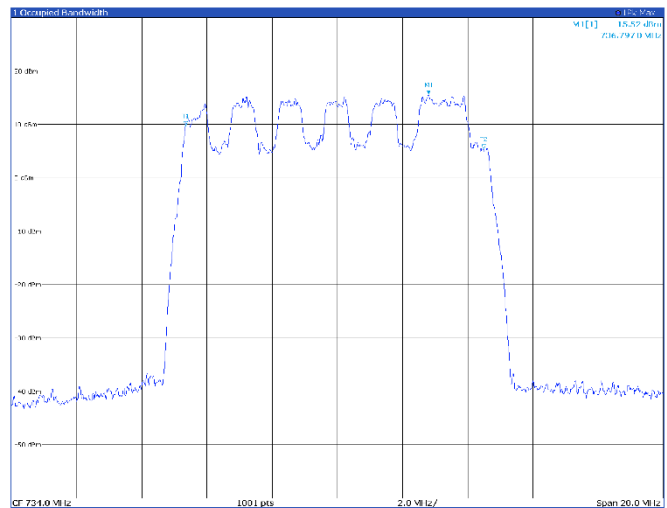
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		738.259 MHz	13.85 dBm	Occ Sw	9.319755 613 MHz
M1	1		738.259 MHz	13.85 dBm	Occ Sw Control	737.655 515 000 MHz
M1	1		738.259 MHz	13.85 dBm	Occ Sw Offset	738.863 000 000 MHz

TM3p1a, 10 MHz, high channel



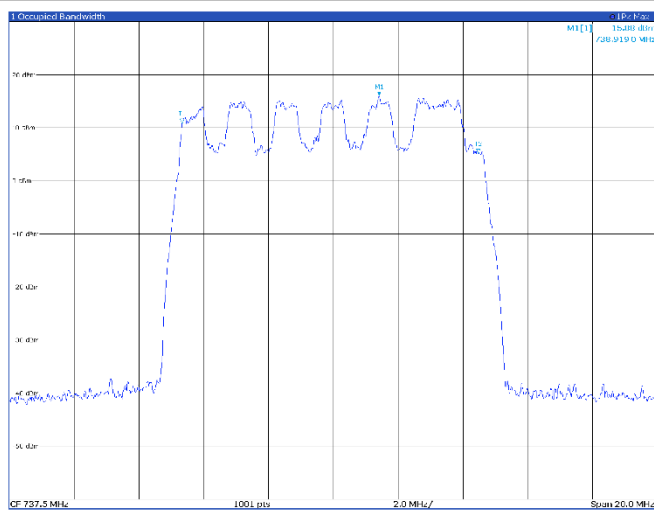
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		738.702 MHz	14.01 dBm	Occ Sw	9.319472585 MHz
P1	1		738.702 MHz	14.01 dBm	Occ Sw Channel	740.29168155 MHz
P2	1		738.702 MHz	14.01 dBm	Occ Sw -100 dB Offset	18.155032575 MHz

TM3p3, 10 MHz, low channel



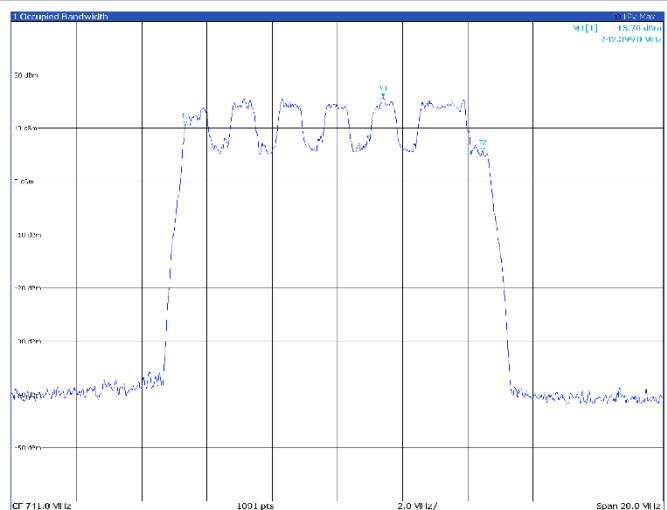
Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		739.797 MHz	15.52 dBm	Occ Sw	9.138888125 MHz
P1	1		739.797 MHz	15.52 dBm	Occ Sw Channel	739.912515521 MHz
P2	1		739.797 MHz	15.52 dBm	Occ Sw -100 dB Offset	18.643510907 MHz

TM3p3, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		738.919 MHz	15.68 dBm	Occ Sw	9.129987509 MHz
P1	1		738.919 MHz	15.68 dBm	Occ Sw Channel	739.929462 MHz
P2	1		738.919 MHz	15.68 dBm	Occ Sw -100 dB Offset	18.643510907 MHz

TM3p3, 10 MHz, high channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
P1	1		742.399 MHz	15.70 dBm	Occ Sw	9.128104694 MHz
P1	1		742.399 MHz	15.70 dBm	Occ Sw Channel	740.99253792 MHz
P2	1		742.399 MHz	15.70 dBm	Occ Sw -100 dB Offset	17.663202807 MHz

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	November 20, 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 n12: Antenna port 1

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM1.1	731.5	5.05
n12	5 MHz	TM1.1	737.5	5.07
n12	5 MHz	TM1.1	743.5	5.03

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM3p1	731.5	5.05
n12	5 MHz	TM3p1	737.5	5.07
n12	5 MHz	TM3p1	743.5	5.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM3p1a	731.5	5.08
n12	5 MHz	TM3p1a	737.5	5.09
n12	5 MHz	TM3p1a	743.5	5.08

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM3p3	731.5	5.07
n12	5 MHz	TM3p3	737.5	5.08
n12	5 MHz	TM3p3	743.5	5.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM1.1	734.0	10.15
n12	10 MHz	TM1.1	737.5	10.09
n12	10 MHz	TM1.1	741.0	10.15

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM3p1	734.0	10.09
n12	10 MHz	TM3p1	737.5	10.07
n12	10 MHz	TM3p1	741.0	10.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM3p1a	734.0	10.15
n12	10 MHz	TM3p1a	737.5	10.13
n12	10 MHz	TM3p1a	741.0	10.13

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM3p3	734.0	9.93
n12	10 MHz	TM3p3	737.5	9.93
n12	10 MHz	TM3p3	741.0	9.95

Band n12: Antenna port 2

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM1.1	731.5	5.05
n12	5 MHz	TM1.1	737.5	5.08
n12	5 MHz	TM1.1	743.5	5.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM3p1	731.5	5.04
n12	5 MHz	TM3p1	737.5	5.04
n12	5 MHz	TM3p1	743.5	5.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM3p1a	731.5	5.08
n12	5 MHz	TM3p1a	737.5	5.07
n12	5 MHz	TM3p1a	743.5	5.08

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	5 MHz	TM3p3	731.5	5.08
n12	5 MHz	TM3p3	737.5	5.08
n12	5 MHz	TM3p3	743.5	5.08

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM1.1	734.0	10.15
n12	10 MHz	TM1.1	737.5	10.11
n12	10 MHz	TM1.1	741.0	10.13

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM3p1	734.0	10.07
n12	10 MHz	TM3p1	737.5	10.07
n12	10 MHz	TM3p1	741.0	10.07

Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM3p1a	734.0	10.13
n12	10 MHz	TM3p1a	737.5	10.11
n12	10 MHz	TM3p1a	741.0	10.13

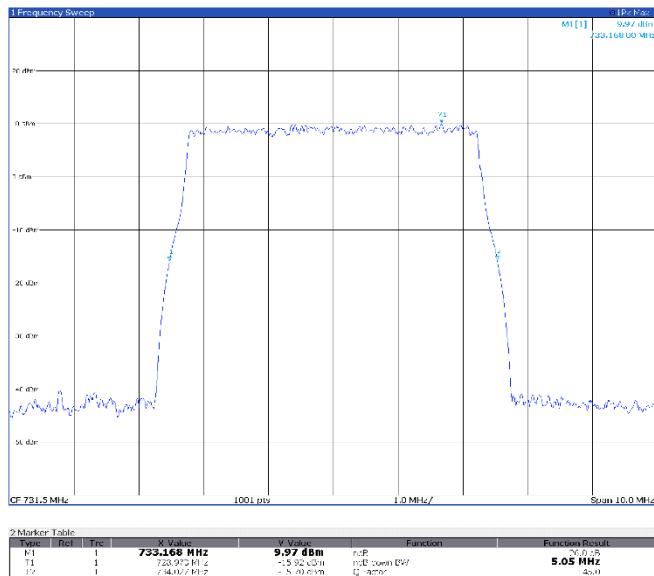
Band	OBW Declared	Modulation	Channel (MHz)	26 dB (MHz)
n12	10 MHz	TM3p3	734.0	9.95
n12	10 MHz	TM3p3	737.5	9.93
n12	10 MHz	TM3p3	741.0	9.95

Antenna port 1

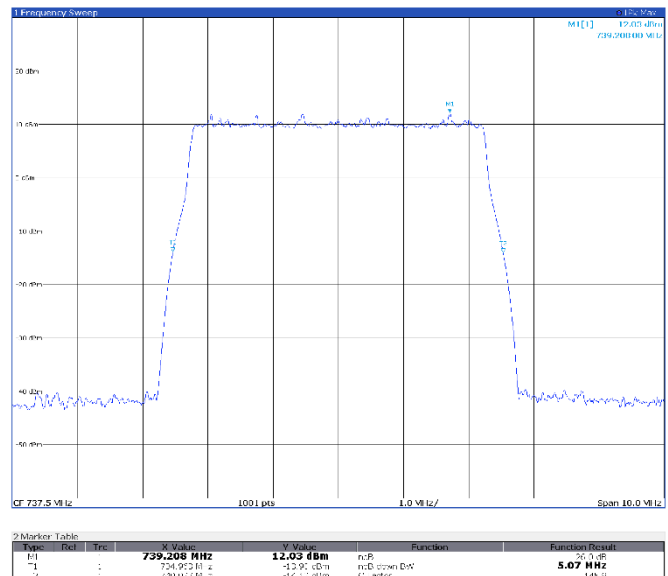
Band n12

5 MHz

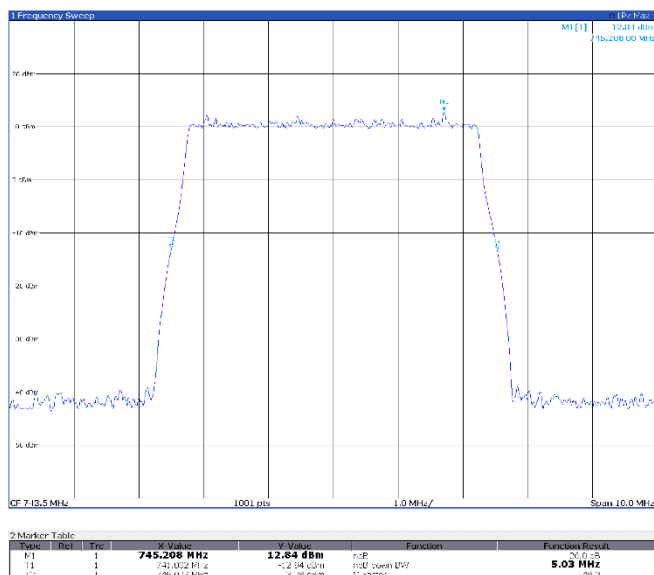
TM1.1, 5 MHz, low channel



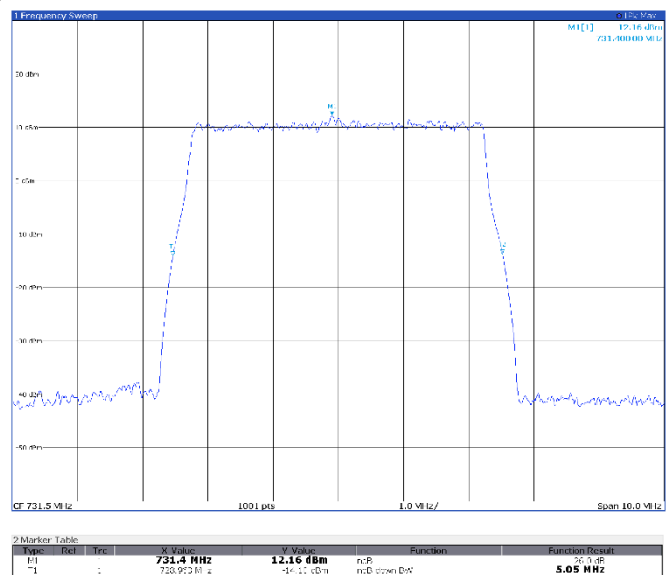
TM1.1, 5 MHz, mid channel

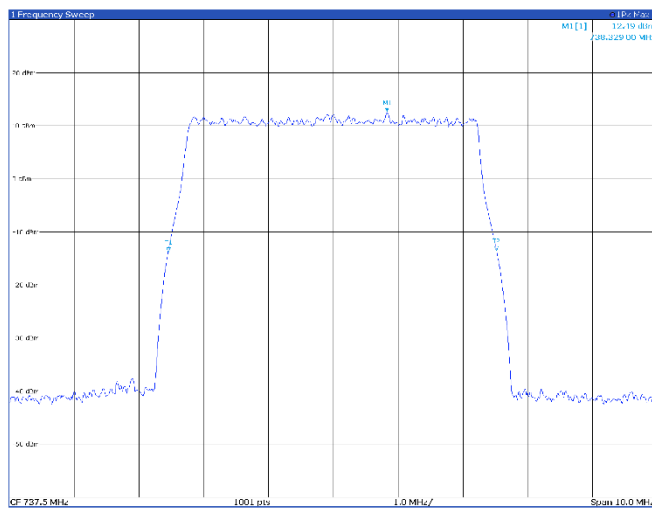
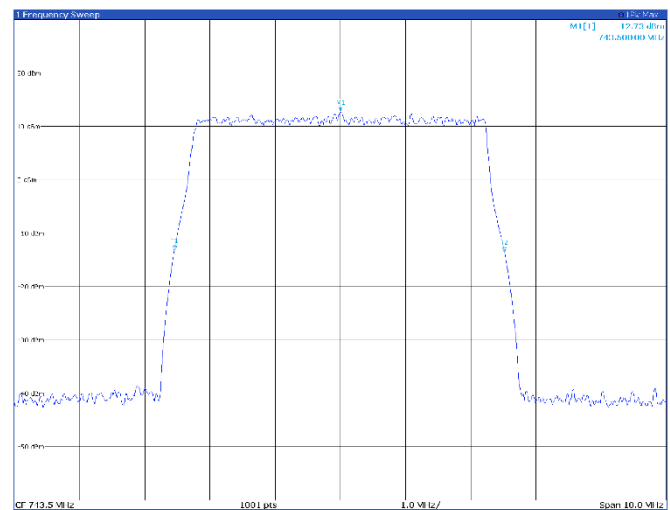
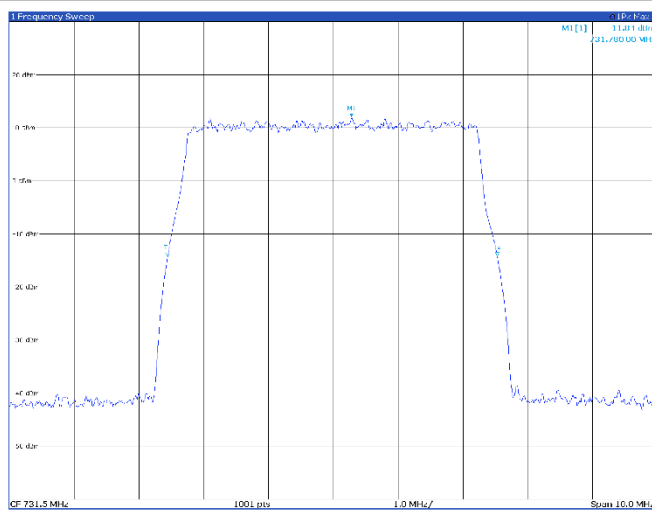
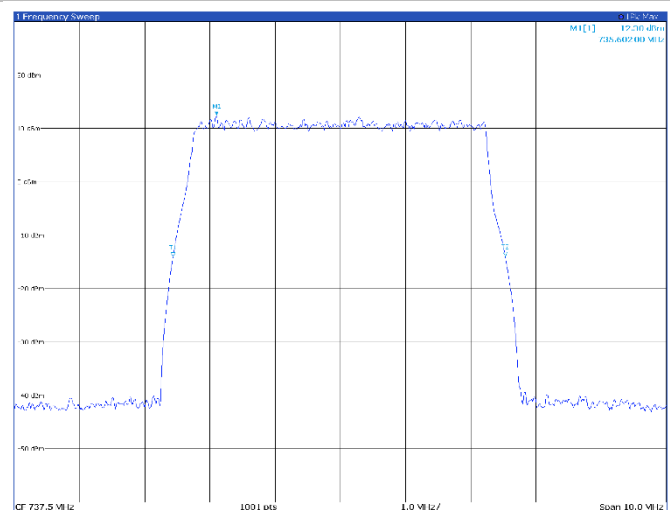


TM1.1, 5 MHz, high channel

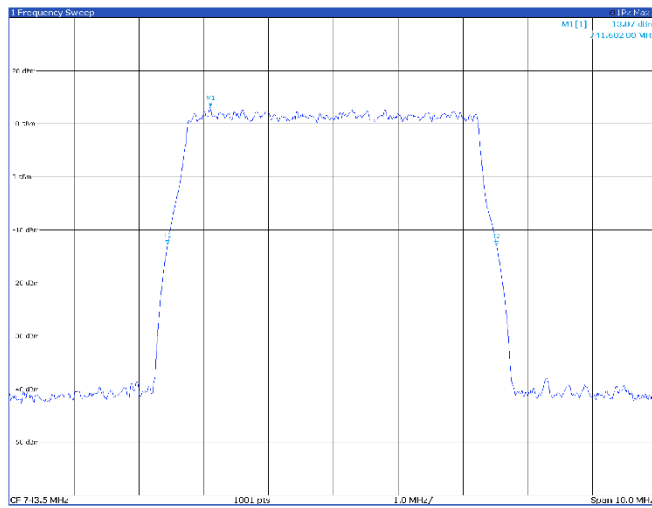


TM3p1, 5 MHz, low channel



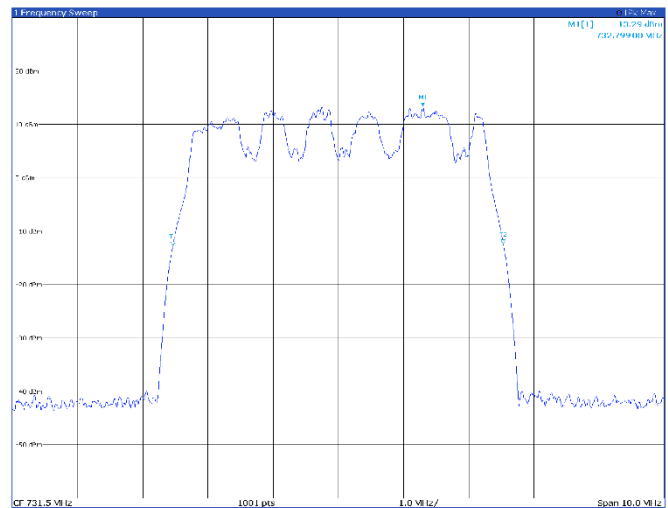
TM3p1, 5 MHz, mid channel

TM3p1, 5 MHz, high channel

TM3p1a, 5 MHz, low channel

TM3p1a, 5 MHz, mid channel


TM3p1a, 5 MHz, high channel



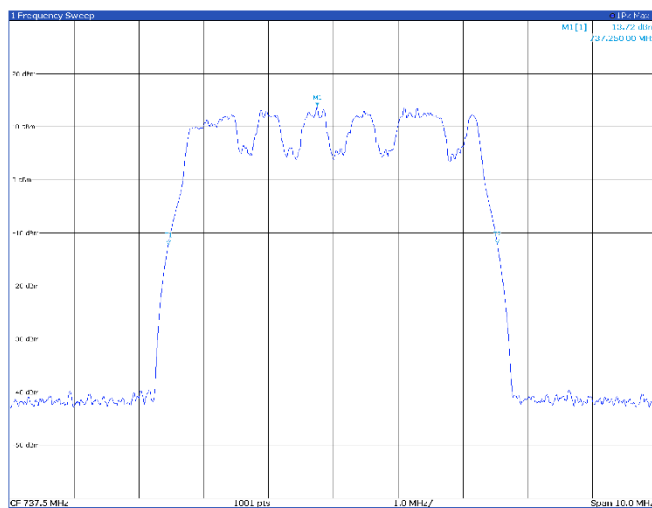
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		741.602 MHz	13.07 dBm	nB	20.0 dB
F1	1		740.942 MHz	-12.79 dBm	nB span BW	5.08 MHz
F2	1		740.917 MHz	-12.79 dBm	nB span BW	5.08 MHz

TM3p3, 5 MHz, low channel



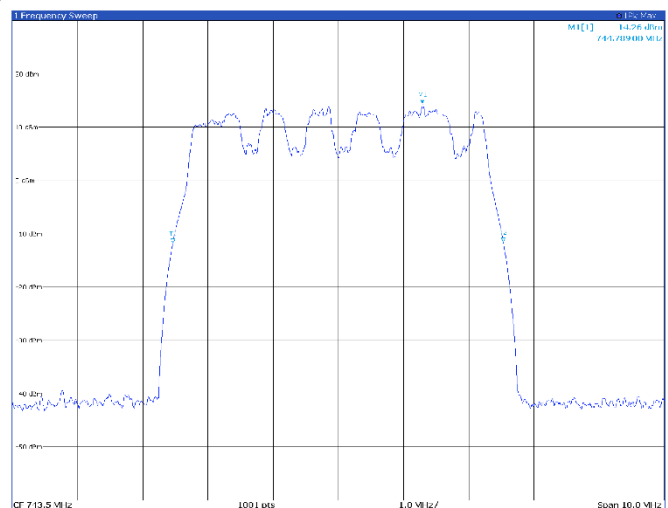
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		732.799 MHz	13.29 dBm	nB	20.0 dB
F1	1		730.973 MHz	-12.70 dBm	nB span BW	5.07 MHz
F2	1		730.972 MHz	-12.70 dBm	nB span BW	5.07 MHz

TM3p3, 5 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		737.25 MHz	13.72 dBm	nB	20.0 dB
F1	1		736.952 MHz	-12.69 dBm	nB span BW	5.08 MHz
F2	1		736.951 MHz	-12.69 dBm	nB span BW	5.08 MHz

TM3p3, 5 MHz, high channel

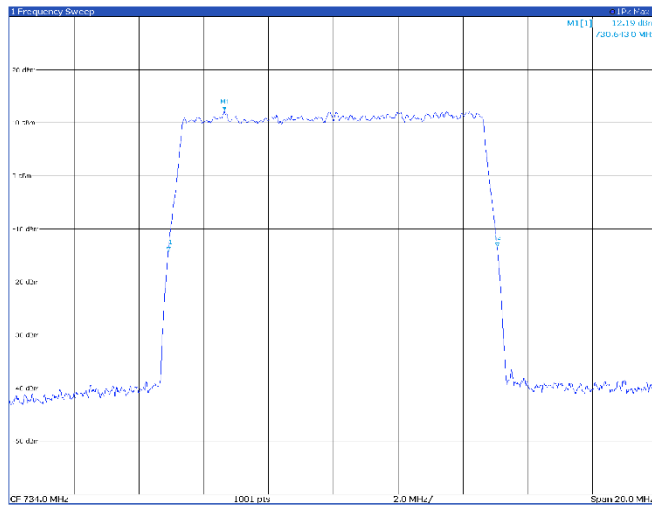


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		744.789 MHz	14.26 dBm	nB	20.0 dB
F1	1		740.973 MHz	-11.74 dBm	nB span BW	5.07 MHz
F2	1		740.972 MHz	-11.74 dBm	nB span BW	5.07 MHz

Band n12

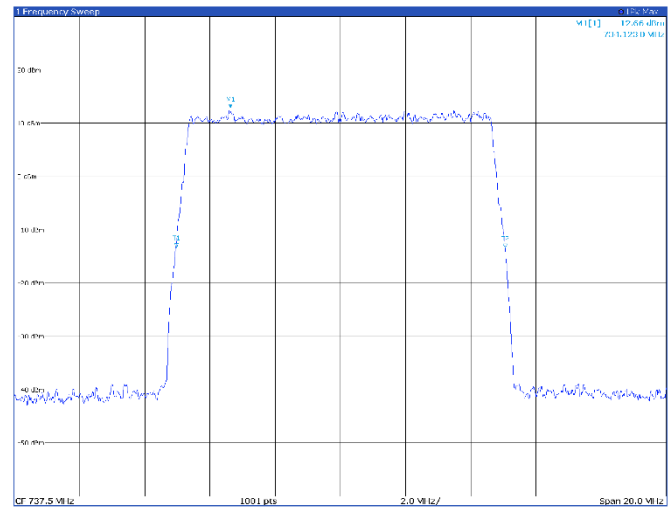
10 MHz

TM1.1, 10 MHz, low channel



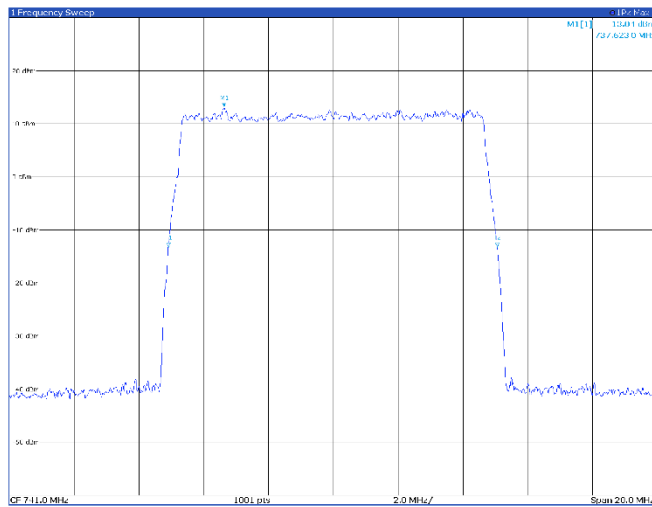
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		730.643 MHz	12.19 dBm	nB	10.15 MHz
M1	1		730.643 MHz	-12.19 dBm	nB down BW	10.15 MHz
M1	1		730.643 MHz	-12.19 dBm	Q-factor	22.6

TM1.1, 10 MHz, mid channel



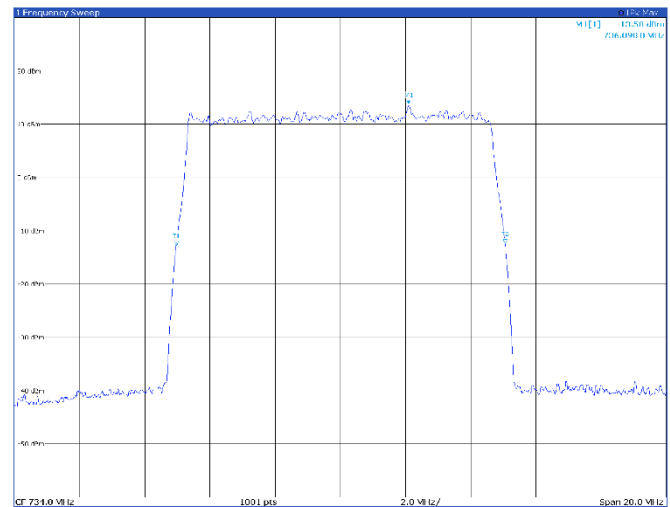
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		734.123 MHz	12.66 dBm	nB	10.09 MHz
M1	1		734.123 MHz	-12.66 dBm	nB down BW	10.09 MHz
M1	1		734.123 MHz	-12.66 dBm	Q-factor	22.8

TM1.1, 10 MHz, high channel



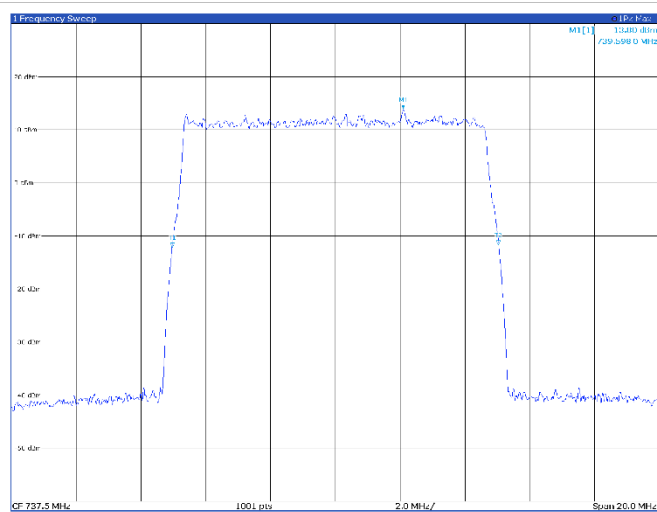
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		737.623 MHz	13.04 dBm	nB	10.15 MHz
M1	1		737.623 MHz	-13.04 dBm	nB down BW	10.15 MHz
M1	1		737.623 MHz	-13.04 dBm	Q-factor	22.7

TM3p1, 10 MHz, low channel



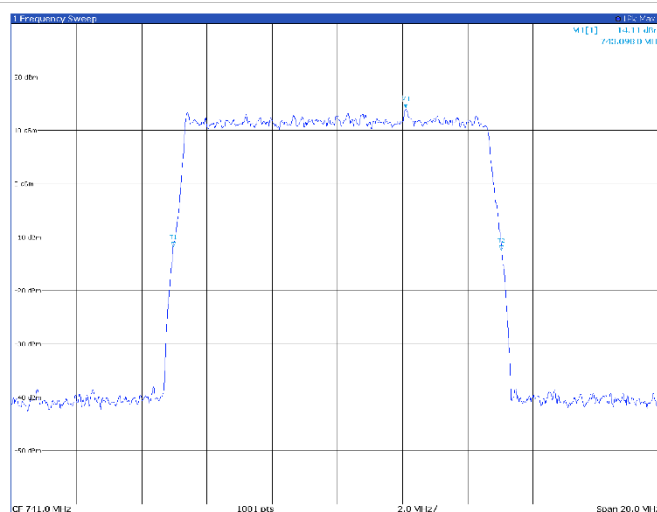
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		736.098 MHz	13.58 dBm	nB	10.09 MHz
M1	1		736.098 MHz	-13.58 dBm	nB down BW	10.09 MHz
M1	1		736.098 MHz	-13.58 dBm	Q-factor	22.0

TM3p1, 10 MHz, mid channel



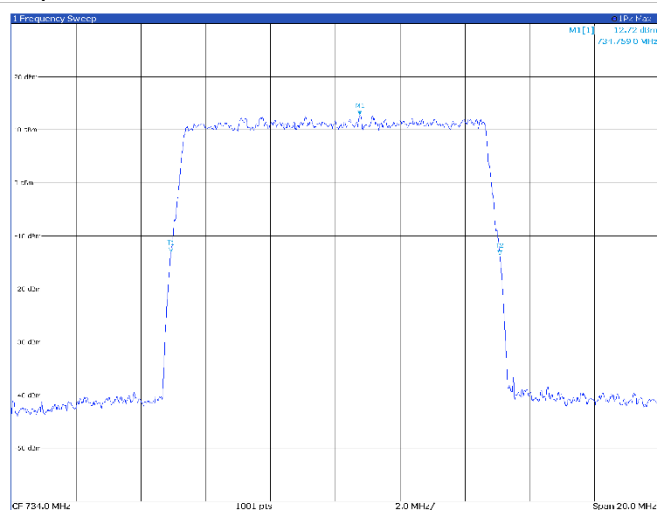
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		739.598 MHz	13.80 dBm	nB	26.0 dB
T1	1		732.485 MHz	-12.10 dBm	nB boost BW	10.07 MHz
L2	1		747.500 MHz	-1.06 dBm	G-nation	73.4

TM3p1, 10 MHz, high channel



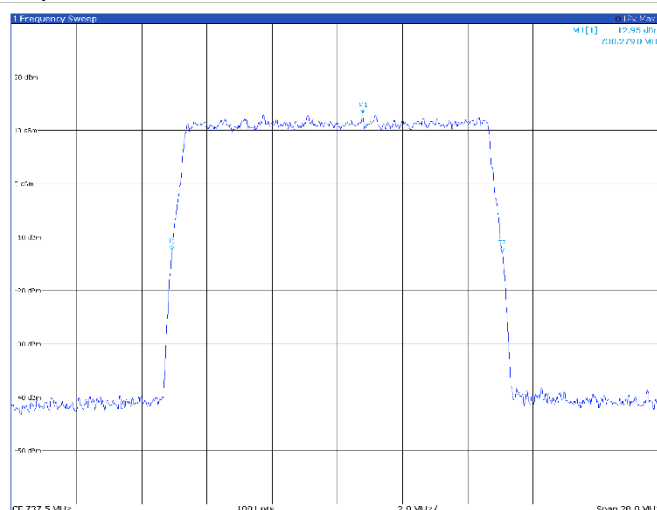
Type	Ref	Trc	X Value	Y Value	Function	Function Result
Hz			743.098 MHz	14.11 dBm	mP	30.0 dB
Hz			735.955 MHz	-41.73 dBm	mD (open Dn)	10.07 MHz

TM3p1a, 10 MHz, low channel



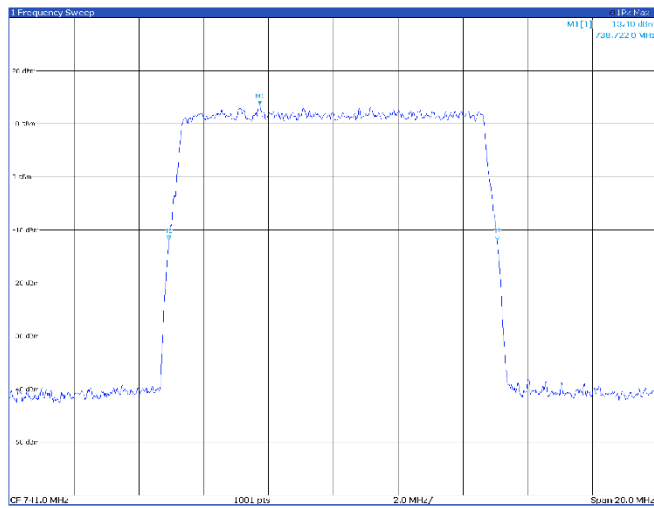
Type	Ref	X Value	Y Value	Function	Function Result
N1	1	734.759 MHz	12.72 dBm	nB	26.0 dB
T1	1	733.925 MHz	-13.07 dBm	nB down BW	10.15 MHz
I2	1	739.075 MHz	-13.07 dBm	nB up BW	22.4

TM3p1a, 10 MHz, mid channel



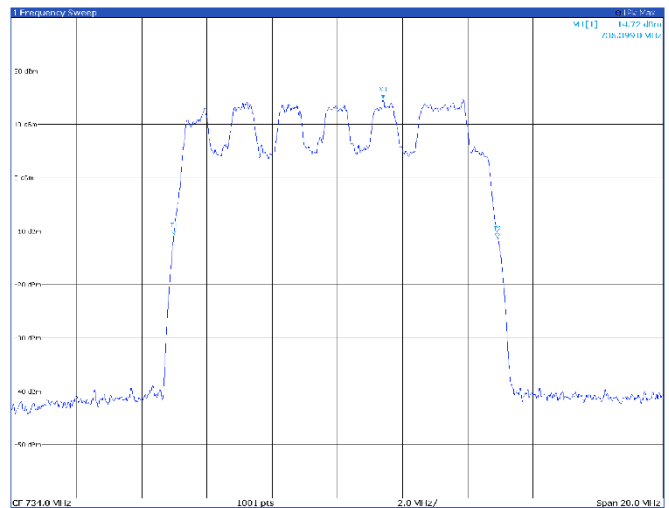
Type	Ref	Trc	X Value	Y Value	Function	Function Result
F1			738.279 MHz	12.95 dBm	ncB	87.6 dB
F1			732.425 MHz	-12.51 dBm	ncB down BW	10.13 MHz

TM3p1a, 10 MHz, high channel



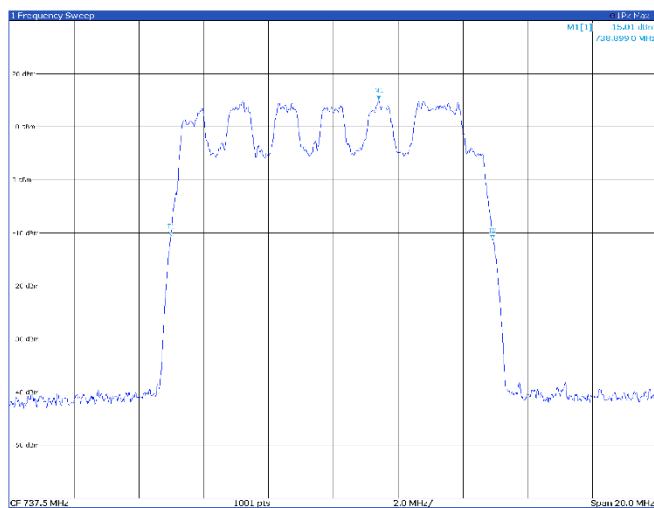
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.722 MHz	13.40 dBm	nB	20.0 dB
M1	1		738.722 MHz	-12.0 dBm	nB down BW	10.13 MHz
M2	1		738.722 MHz	-12.0 dBm	nB	20.0 dB

TM3p3, 10 MHz, low channel



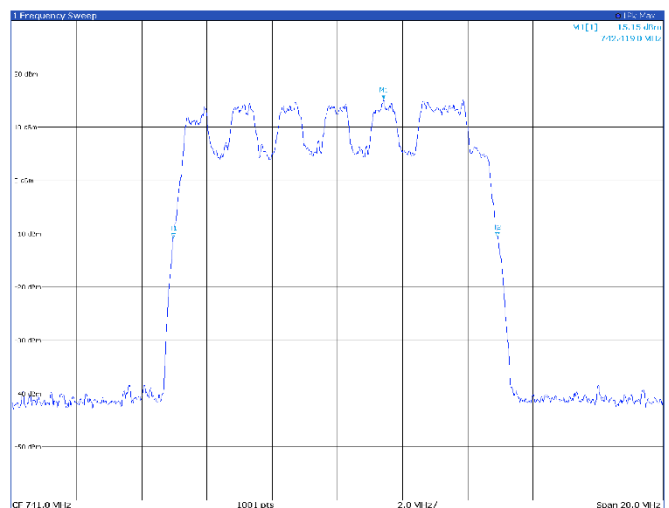
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.399 MHz	14.72 dBm	nB	20.0 dB
M1	1		738.399 MHz	-10.0 dBm	nB down BW	9.93 MHz
M2	1		738.399 MHz	-10.0 dBm	nB	20.0 dB

TM3p3, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.899 MHz	15.01 dBm	nB	20.0 dB
M1	1		738.899 MHz	-10.0 dBm	nB down BW	9.93 MHz
M2	1		738.899 MHz	-10.0 dBm	nB	20.0 dB

TM3p3, 10 MHz, high channel



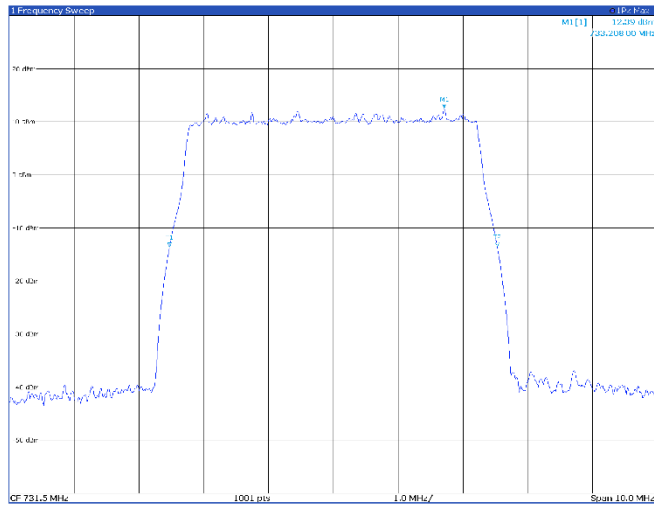
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		742.419 MHz	15.15 dBm	nB	20.0 dB
M1	1		742.419 MHz	-10.0 dBm	nB down BW	9.95 MHz
M2	1		742.419 MHz	-10.0 dBm	nB	20.0 dB

Antenna port 2

Band n12

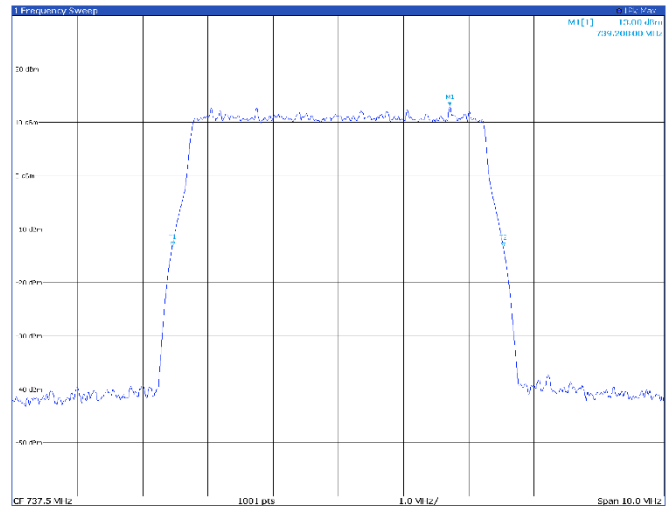
5 MHz

TM1.1, 5 MHz, low channel



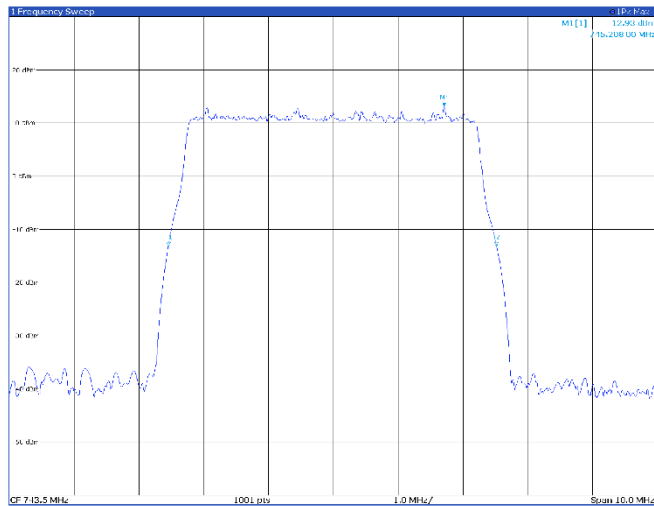
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		733.208 MHz	12.39 dBm	nB	20.0 dB
M1	1		733.208 MHz	12.39 dBm	nB down BW	5.05 MHz
M1	1		733.208 MHz	12.39 dBm	nB down BW	5.05 MHz

TM1.1, 5 MHz, mid channel



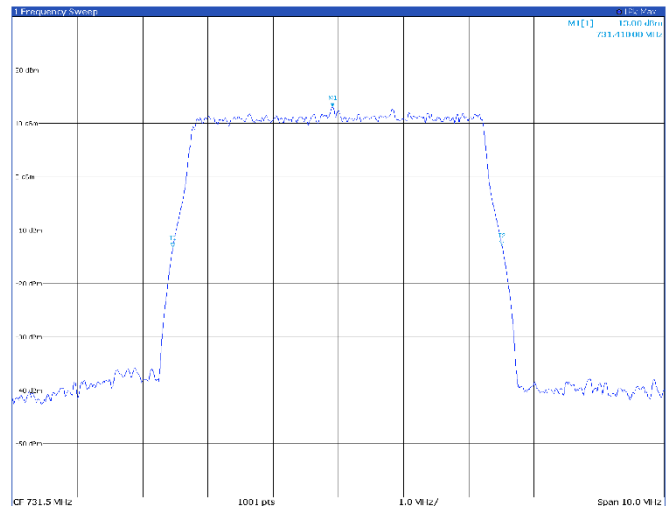
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		733.208 MHz	13.00 dBm	nB	20.0 dB
M1	1		733.208 MHz	13.00 dBm	nB down BW	5.08 MHz
M1	1		733.208 MHz	13.00 dBm	nB down BW	5.08 MHz

TM1.1, 5 MHz, high channel



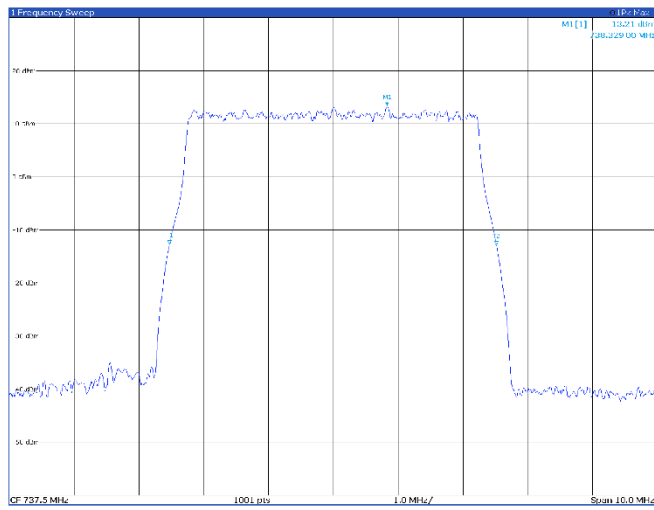
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		745.208 MHz	12.93 dBm	nB	20.0 dB
M1	1		745.208 MHz	12.93 dBm	nB down BW	5.07 MHz
M1	1		745.208 MHz	12.93 dBm	nB down BW	5.07 MHz

TM3p1, 5 MHz, low channel



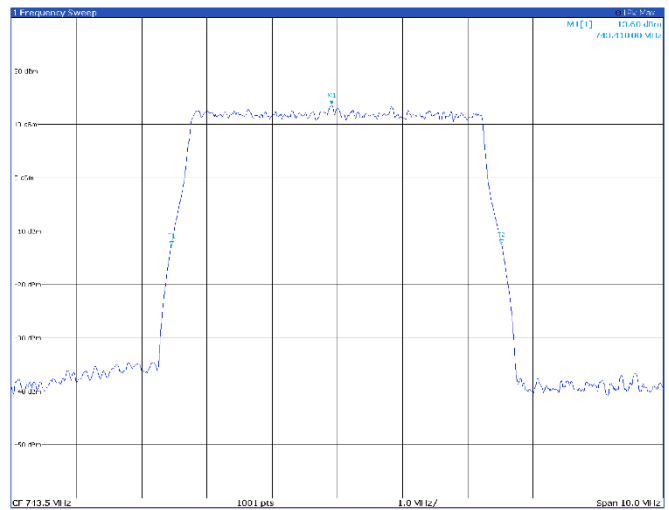
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		731.41 MHz	13.00 dBm	nB	20.0 dB
M1	1		731.41 MHz	13.00 dBm	nB down BW	5.04 MHz
M1	1		731.41 MHz	13.00 dBm	nB down BW	5.04 MHz

TM3p1, 5 MHz, mid channel



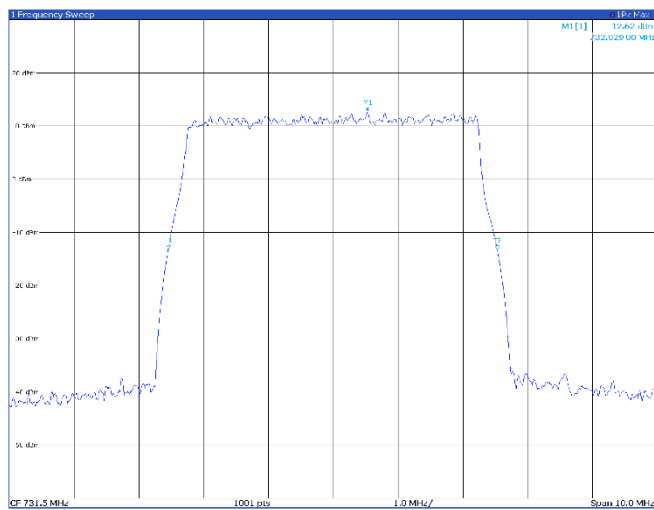
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		738.329 MHz	13.21 dBm	nB	20.0 dB
M1	1		740.000 MHz	13.21 dBm	nB down BW	5.04 MHz
M2	1		741.671 MHz	13.21 dBm	nB	20.0 dB

TM3p1, 5 MHz, high channel



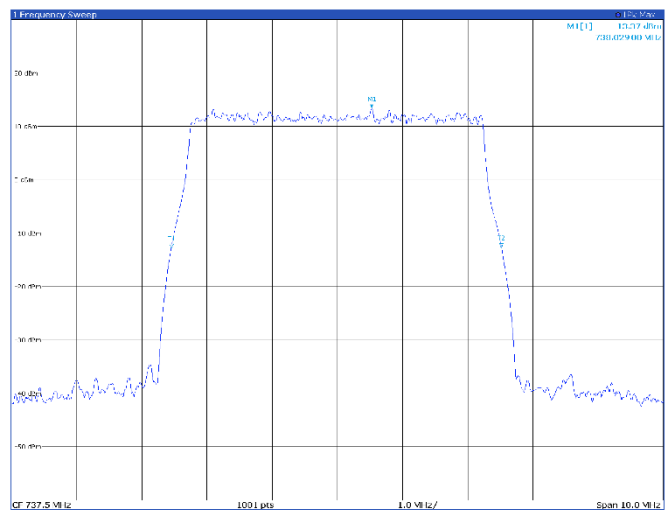
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		743.41 MHz	13.60 dBm	nB	20.0 dB
M1	1		740.952 MHz	13.60 dBm	nB down BW	5.07 MHz
M2	1		745.867 MHz	13.60 dBm	nB	20.0 dB

TM3p1a, 5 MHz, low channel

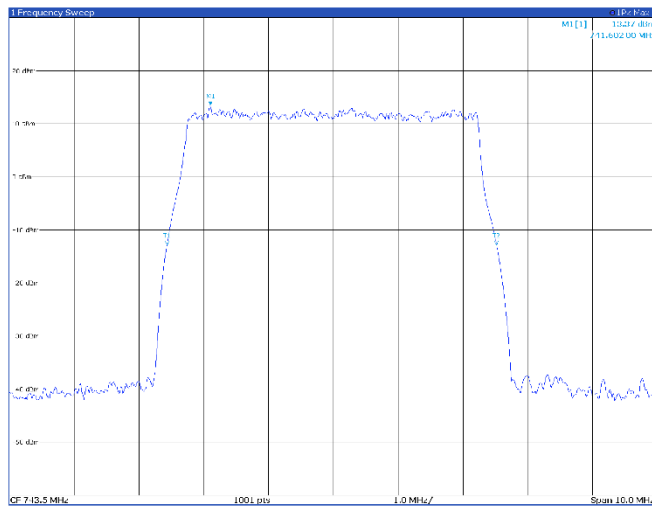


Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		733.029 MHz	12.62 dBm	nB	20.0 dB
M1	1		730.952 MHz	12.62 dBm	nB down BW	5.08 MHz
M2	1		735.107 MHz	12.62 dBm	nB	20.0 dB

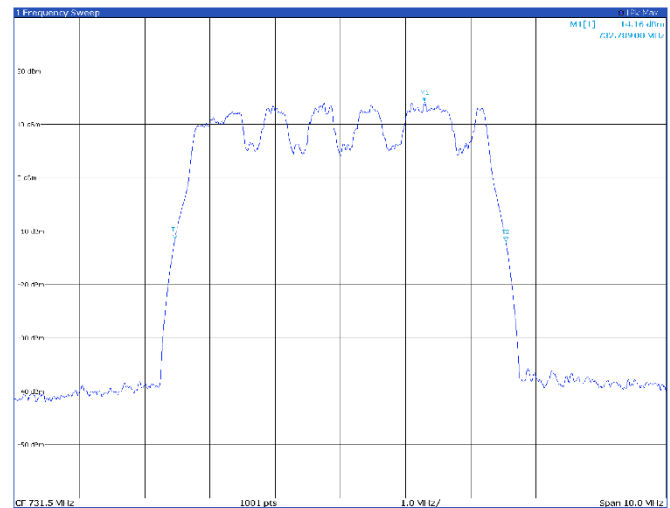
TM3p1a, 5 MHz, mid channel



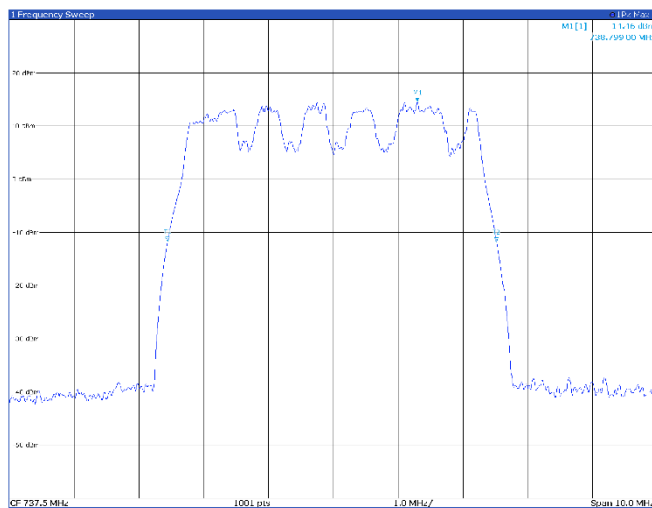
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		738.029 MHz	13.37 dBm	nB	20.0 dB
M1	1		735.952 MHz	13.37 dBm	nB down BW	5.07 MHz
M2	1		740.107 MHz	13.37 dBm	nB	20.0 dB

TM3p1a, 5 MHz, high channel


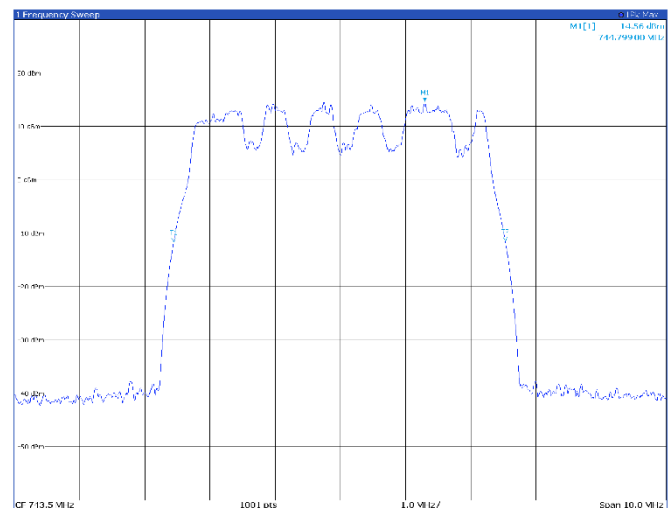
Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		741.602 MHz	13.37 dBm	nB	20.0 dB	5.08 MHz
M1	1		740.952 MHz	-12.69 dBm	nB	down BW	
M2	1		742.012 MHz	-12.69 dBm	nB	up BW	

TM3p3, 5 MHz, low channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		732.789 MHz	14.16 dBm	nB	20.0 dB	5.08 MHz
M1	1		730.952 MHz	-11.51 dBm	nB	down BW	
M2	1		734.612 MHz	-11.51 dBm	nB	up BW	

TM3p3, 5 MHz, mid channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		738.799 MHz	14.40 dBm	nB	20.0 dB	5.08 MHz
M1	1		736.942 MHz	-11.72 dBm	nB	down BW	
M2	1		740.612 MHz	-11.72 dBm	nB	up BW	

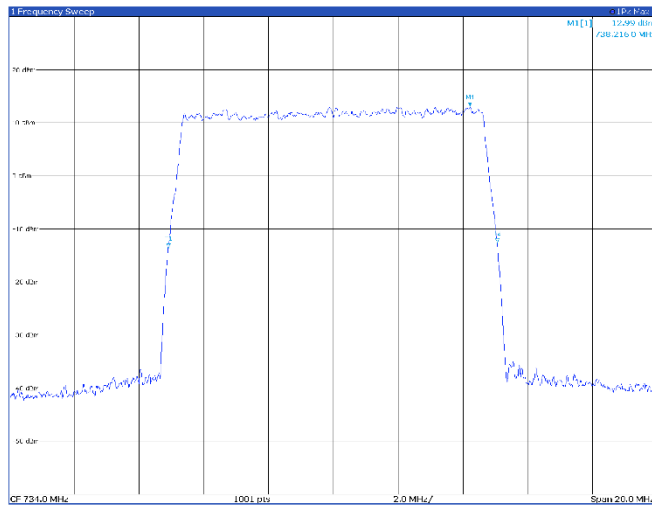
TM3p3, 5 MHz, high channel


Type	Ref	Trc	X Value	Y Value	nB	Function	Function Result
M1	1		744.799 MHz	14.56 dBm	nB	20.0 dB	5.08 MHz
M1	1		740.952 MHz	-11.72 dBm	nB	down BW	
M2	1		748.612 MHz	-11.72 dBm	nB	up BW	

Band n12

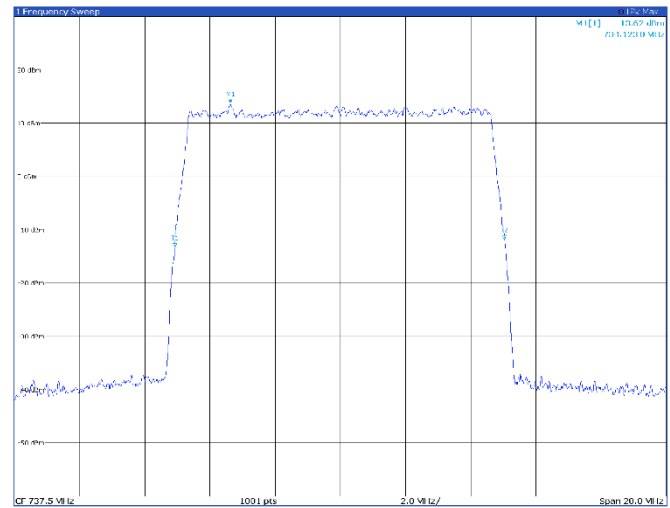
10 MHz

TM1.1, 10 MHz, low channel



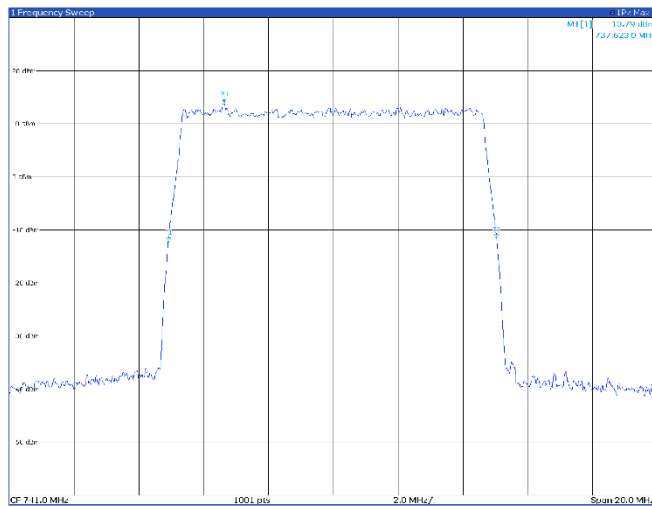
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		736.216 MHz	12.99 dBm	nB	10.15 MHz
T1	1		736.933 MHz	-12.23 dBm	nB down BW	
T2	1		737.650 MHz	-11.94 dBm	Q carrier	

TM1.1, 10 MHz, mid channel



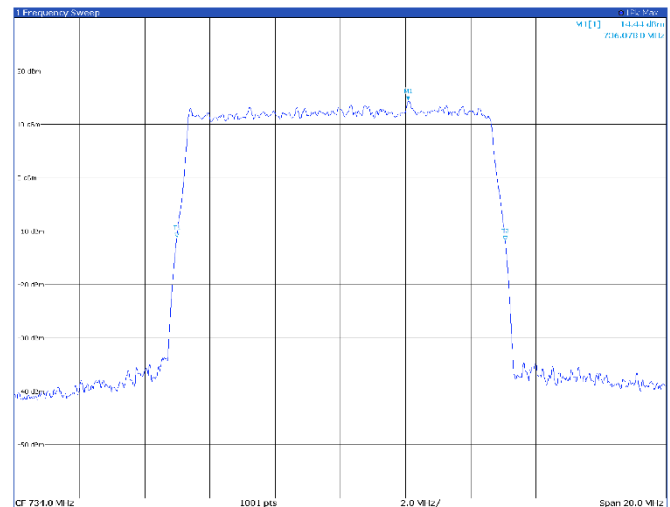
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.123 MHz	13.62 dBm	nB	10.11 MHz
T1	1		738.840 MHz	-12.24 dBm	nB down BW	
T2	1		740.557 MHz	-11.95 dBm	Q carrier	

TM1.1, 10 MHz, high channel



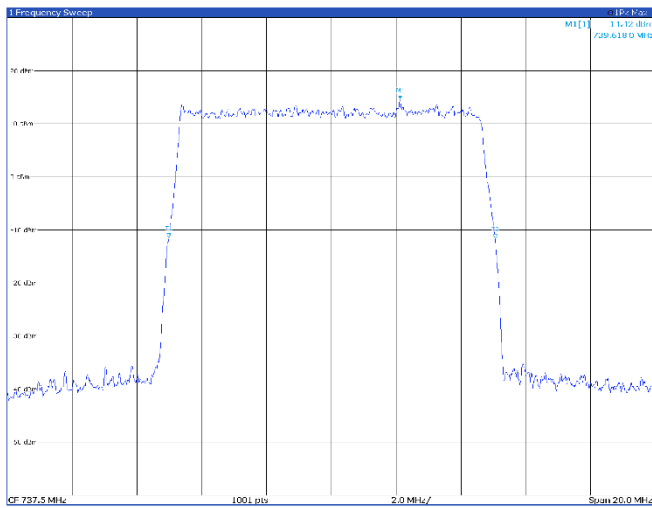
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		737.623 MHz	13.79 dBm	nB	10.13 MHz
T1	1		738.933 MHz	-12.23 dBm	nB down BW	
T2	1		740.557 MHz	-11.94 dBm	Q carrier	

TM3p1, 10 MHz, low channel

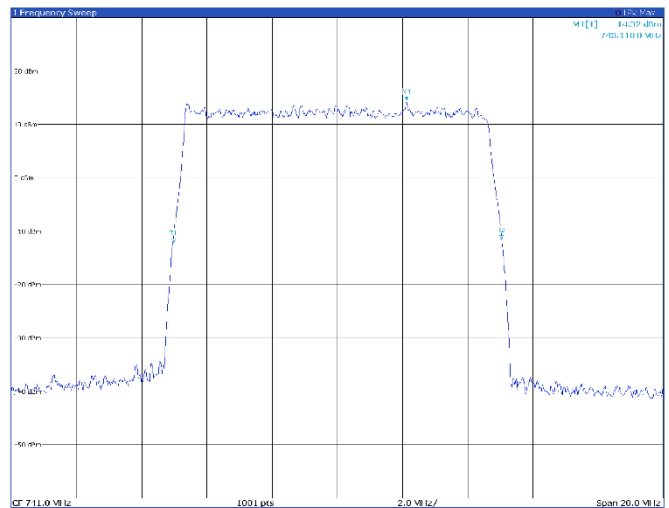


Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		736.078 MHz	14.44 dBm	nB	10.07 MHz
T1	1		736.933 MHz	-11.92 dBm	nB down BW	
T2	1		739.053 MHz	-11.70 dBm	Q carrier	

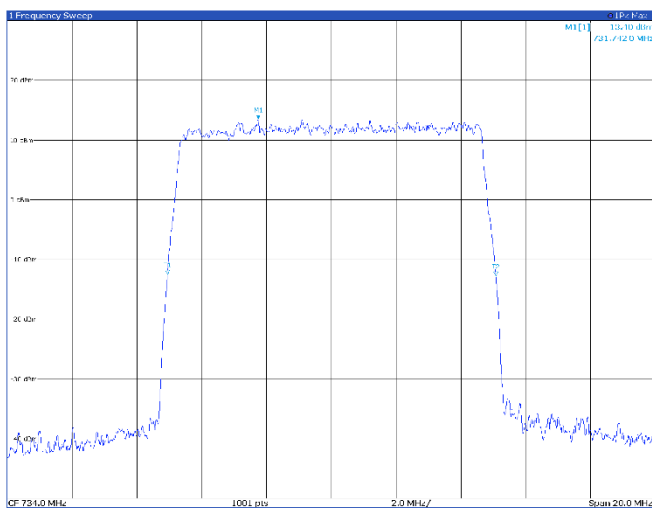
TM3p1, 10 MHz, mid channel



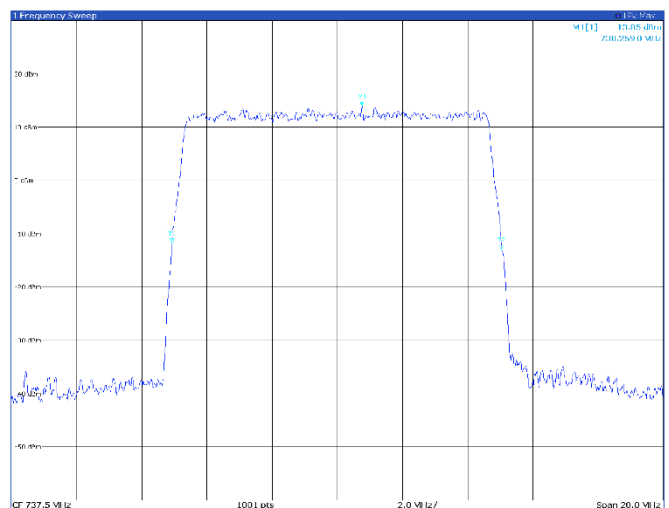
TM3p1, 10 MHz, high channel



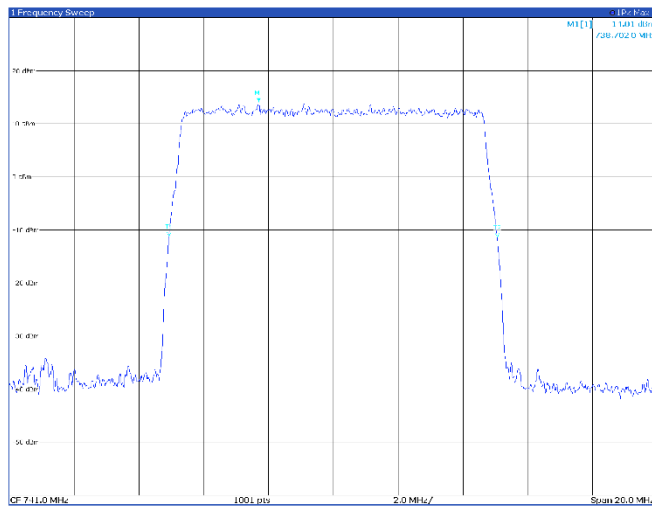
TM3p1a, 10 MHz, low channel



TM3p1a, 10 MHz, mid channel

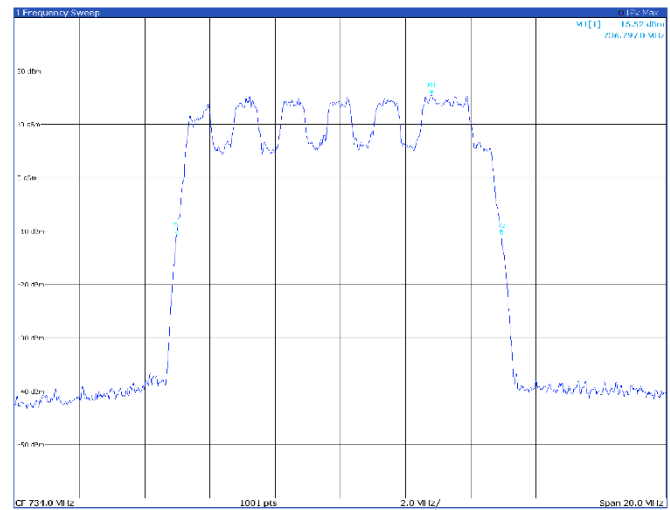


TM3p1a, 10 MHz, high channel



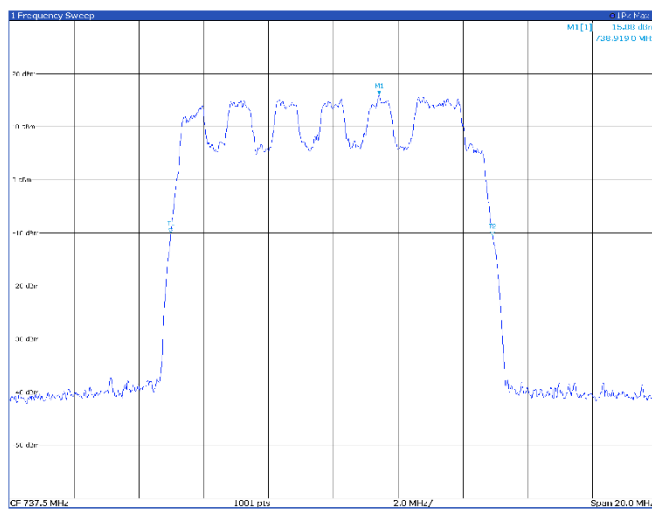
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.702 MHz	14.01 dBm	nB	20.7 dB
M1	1		738.702 MHz	-11.42 dBm	nB down BW	10.13 MHz
M2	1		738.702 MHz	-11.42 dBm	Q-adj	24.5

TM3p3, 10 MHz, low channel



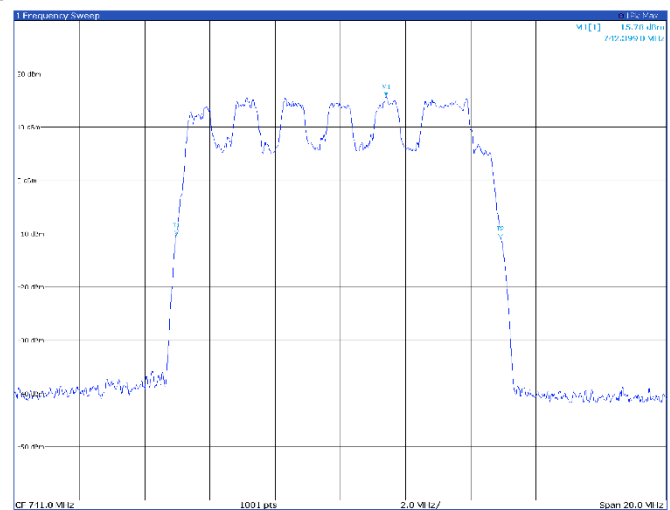
Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.797 MHz	15.52 dBm	nB	20.7 dB
M1	1		738.797 MHz	-10.67 dBm	nB down BW	9.95 MHz
M2	1		738.797 MHz	-10.67 dBm	Q-adj	24.5

TM3p3, 10 MHz, mid channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		738.919 MHz	15.86 dBm	nB	20.7 dB
M1	1		738.919 MHz	-10.92 dBm	nB down BW	9.93 MHz
M2	1		738.919 MHz	-10.92 dBm	Q-adj	24.4

TM3p3, 10 MHz, high channel



Type	Ref	Trc	X Value	Y Value	Function	Function Result
M1	1		742.399 MHz	15.76 dBm	nB	20.7 dB
M1	1		742.399 MHz	-10.25 dBm	nB down BW	9.95 MHz
M2	1		742.399 MHz	-10.25 dBm	Q-adj	24.5

8.4 FCC §27.50(c)(3) Output power

8.4.1 Definitions and limits

(c) The following power and antenna height requirements apply to stations transmitting in the 600 MHz band and the 698-746 MHz band:

(3) Fixed and base stations transmitting a signal with an emission bandwidth greater than 1 MHz must not exceed an ERP of **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 in accordance with Table 3 of this section

(10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts (34.8 dBm) ERP.

8.4.2 Test summary

Test start date	November 20, 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 n12:

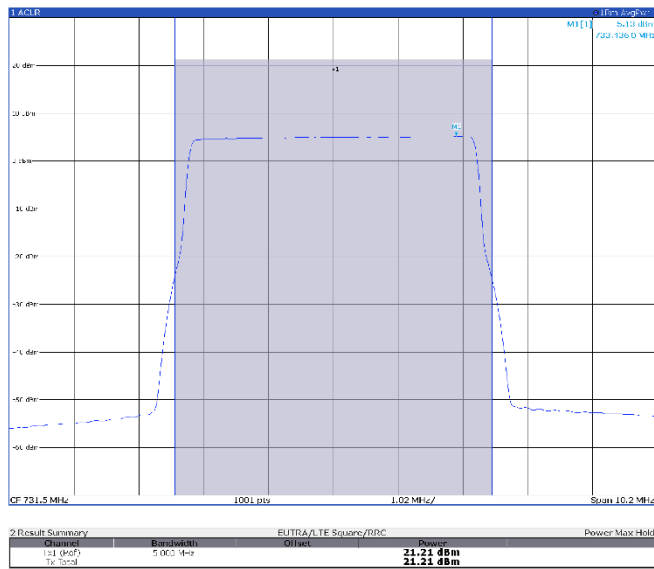
Modulation	OBW (MHz)	Frequency (MHz)	Measured Power Density (dBm/MHz) port 1	Measured Power Density (dBm/MHz) port 2	Antenna Gain Max (dBi)	Total EIRP Power Density (dBm/MHz)	Measured Power (dBm) port 1	Measured Power (dBm) port 2	Limits Power (dBm)	Margin (dB)
TM1.1	5	731.5	5.13	6.01	3.7	12.30	21.21	22.11	60.0	-47.70
TM3p1	5	731.5	5.28	6.06	3.7	12.40	21.38	22.09	60.0	-47.60
TM3p1a	5	731.5	5.33	6.08	3.7	12.43	21.40	22.06	60.0	-47.57
TM3p3	5	731.5	7.33	8.12	3.7	14.45	21.40	22.06	60.0	-45.55
TM1.1	5	737.5	5.54	6.48	3.7	12.75	21.89	22.74	60.0	-47.25
TM3p1	5	737.5	5.68	6.64	3.7	12.90	21.91	22.79	60.0	-47.10
TM3p1a	5	737.5	5.71	6.57	3.7	12.87	21.87	22.70	60.0	-47.13
TM3p3	5	737.5	7.74	8.59	3.7	14.90	21.84	22.74	60.0	-45.10
TM1.1	5	743.5	6.17	6.55	3.7	13.07	22.42	22.70	60.0	-46.93
TM3p1	5	743.5	6.18	6.58	3.7	13.09	22.43	22.75	60.0	-46.91
TM3p1a	5	743.5	6.26	6.53	3.7	13.11	22.39	22.65	60.0	-46.89
TM3p3	5	743.5	8.18	8.50	3.7	15.05	22.37	22.66	60.0	-44.95
TM1.1	10	734.0	2.42	3.31	3.7	9.60	21.64	22.42	60.0	-50.40
TM3p1	10	734.0	2.45	3.29	3.7	9.60	21.62	22.34	60.0	-50.40
TM3p1a	10	734.0	2.58	3.46	3.7	9.75	21.75	22.46	60.0	-50.25
TM3p3	10	734.0	4.77	5.74	3.7	11.99	21.68	22.47	60.0	-48.01
TM1.1	10	737.5	2.60	3.40	3.7	9.73	21.89	22.70	60.0	-50.27
TM3p1	10	737.5	2.56	3.35	3.7	9.68	21.89	22.72	60.0	-50.32
TM3p1a	10	737.5	2.69	3.58	3.7	9.87	21.91	22.74	60.0	-50.13
TM3p3	10	737.5	5.04	5.84	3.7	12.17	21.98	22.81	60.0	-47.83
TM1.1	10	741.0	2.87	3.42	3.7	9.86	22.17	22.77	60.0	-50.14
TM3p1	10	741.0	2.88	3.45	3.7	9.88	22.14	22.85	60.0	-50.12
TM3p1a	10	741.0	3.04	3.53	3.7	10.00	22.24	22.73	60.0	-50.00
TM3p3	10	741.0	5.27	5.69	3.7	12.20	22.21	22.73	60.0	-47.80

Antenna port 1

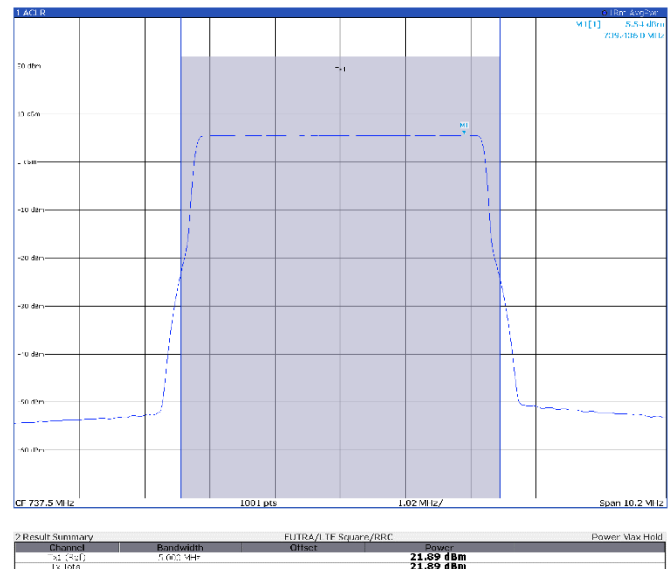
Band n12

5 MHz

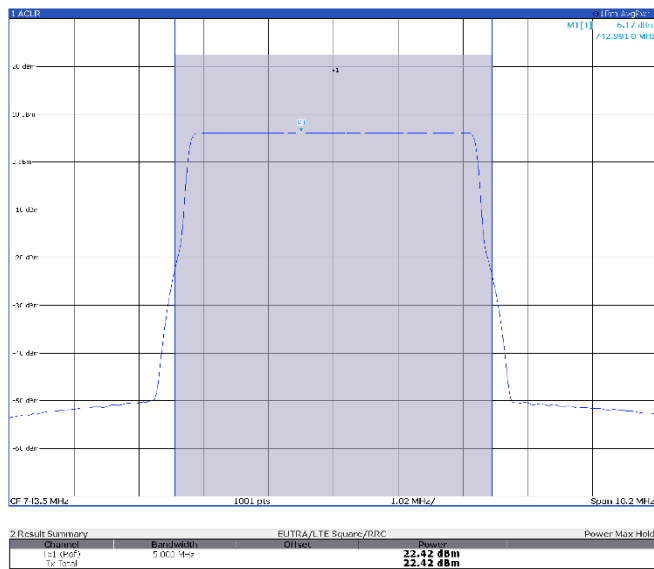
TM1.1, 5 MHz, low channel



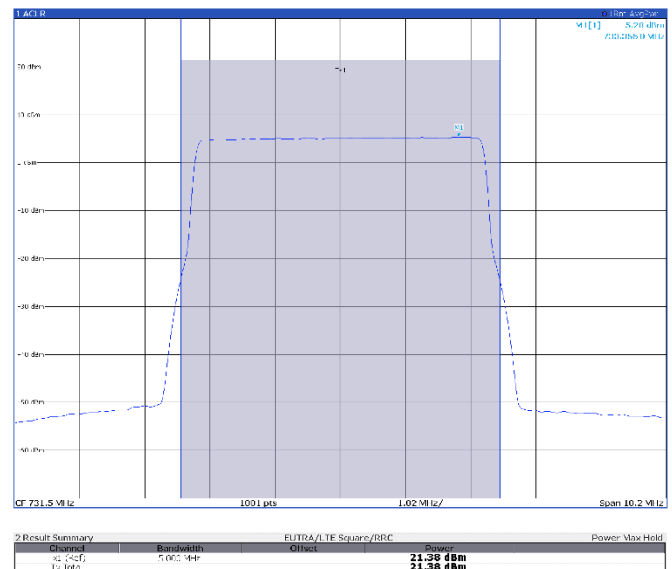
TM1.1, 5 MHz, mid channel



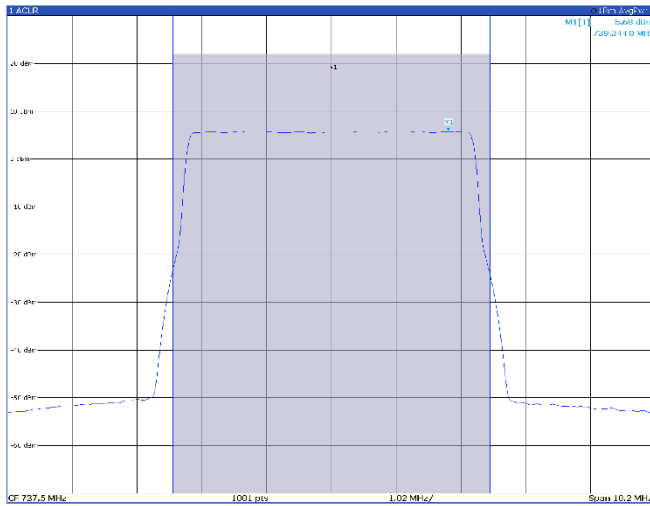
TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

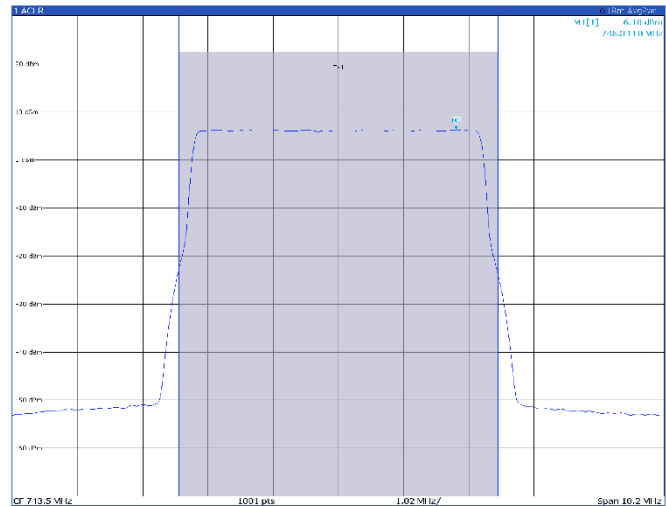


TM3p1, 5 MHz, mid channel



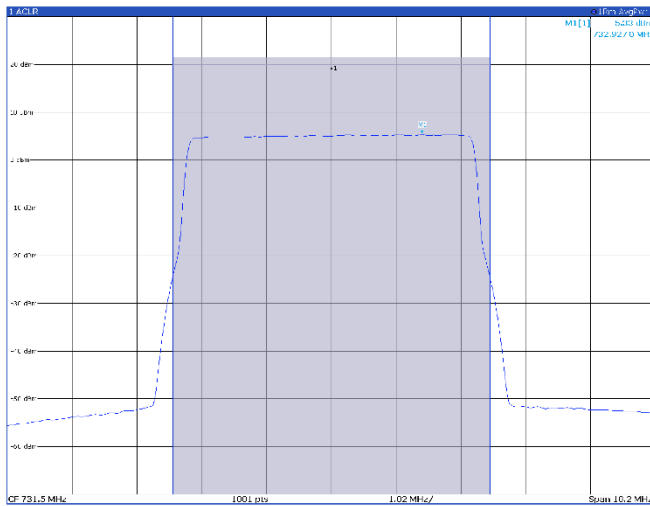
Result Summary			
Channel	Bandwidth	Offset	Power
1 (dBm)	5.000 MHz		21.91 dBm
Ex. Total			21.91 dBm

TM3p1, 5 MHz, high channel



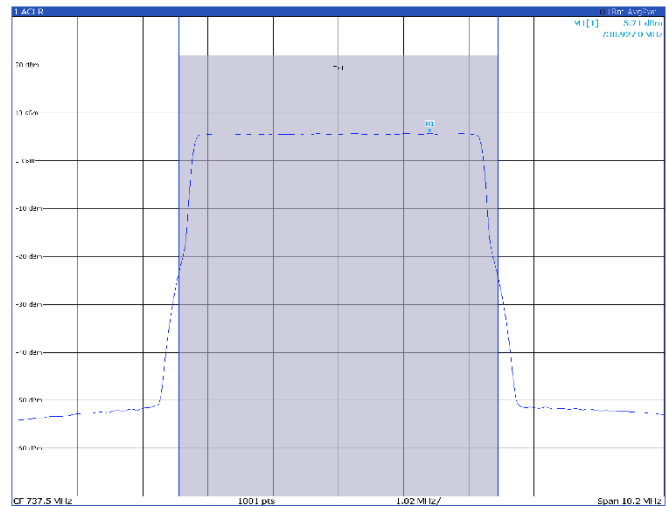
Result Summary			
Channel	Bandwidth	Offset	Power
1 (dBm)	5.000 MHz		22.43 dBm
Ex. Total			22.43 dBm

TM3p1a, 5 MHz, low channel

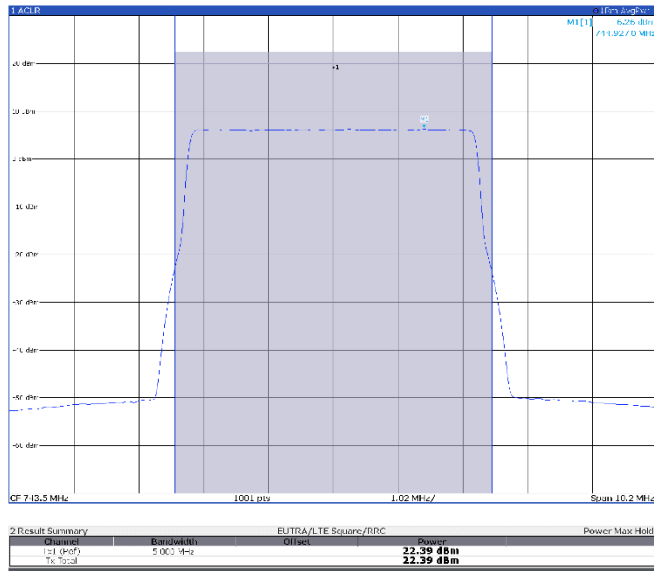
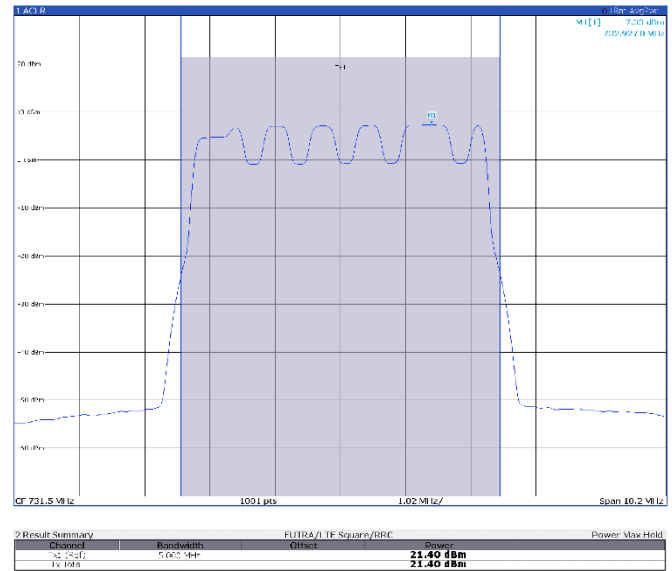
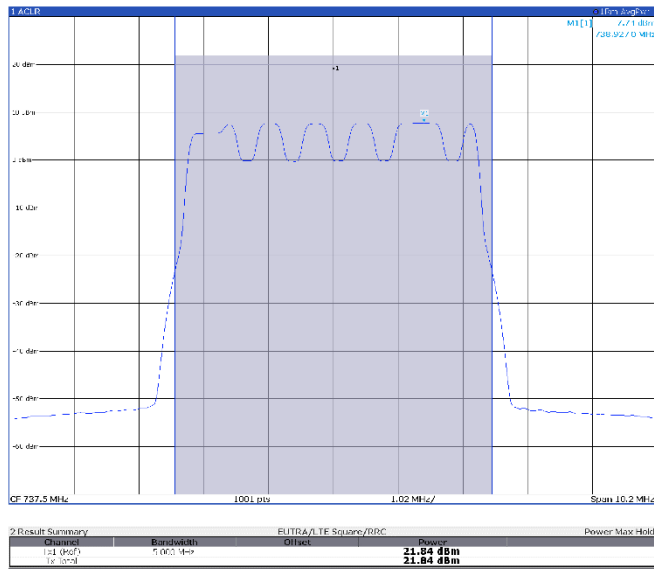
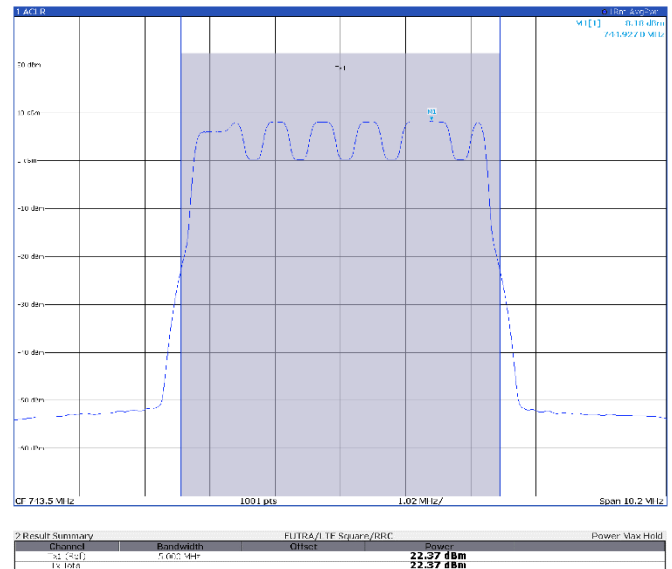


Result Summary			
Channel	Bandwidth	Offset	Power
1 (dBm)	5.000 MHz		21.40 dBm
Ex. Total			21.40 dBm

TM3p1a, 5 MHz, mid channel



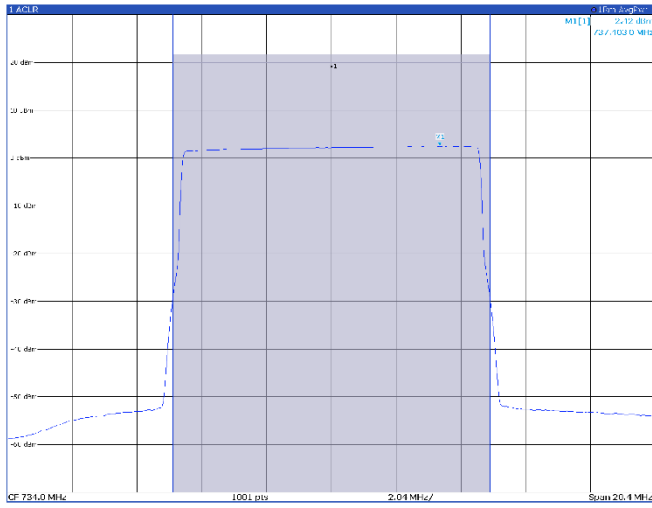
Result Summary			
Channel	Bandwidth	Offset	Power
1 (dBm)	5.000 MHz		21.87 dBm
Ex. Total			21.87 dBm

TM3p1a, 5 MHz, high channel

TM3p3, 5 MHz, low channel

TM3p3, 5 MHz, mid channel

TM3p3, 5 MHz, high channel


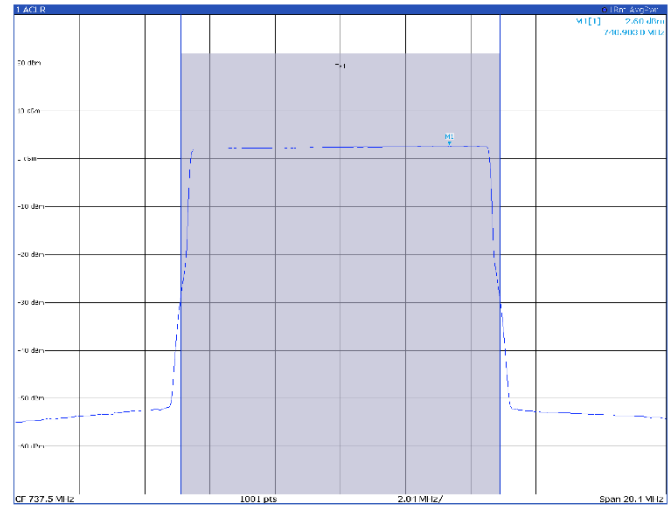
Band n12

10 MHz

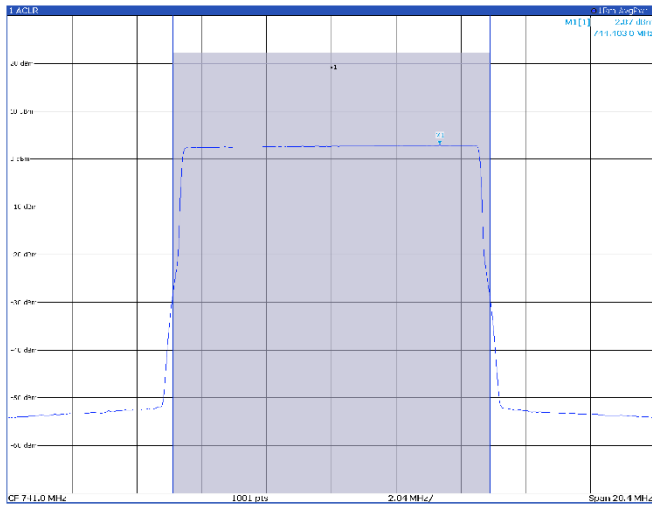
TM1.1, 10 MHz, low channel



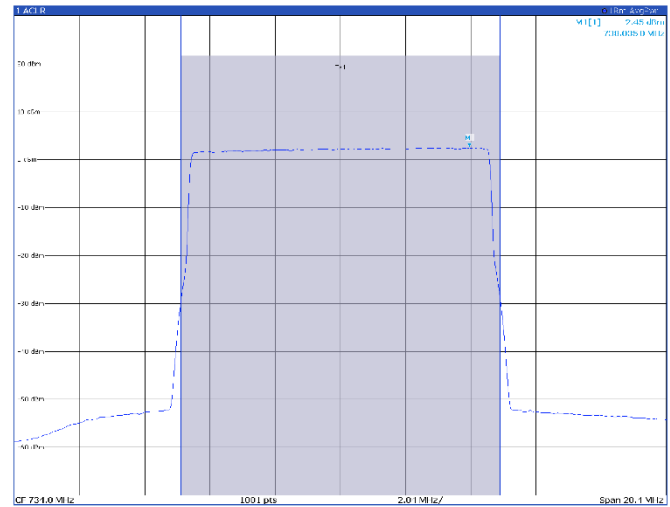
TM1.1, 10 MHz, mid channel



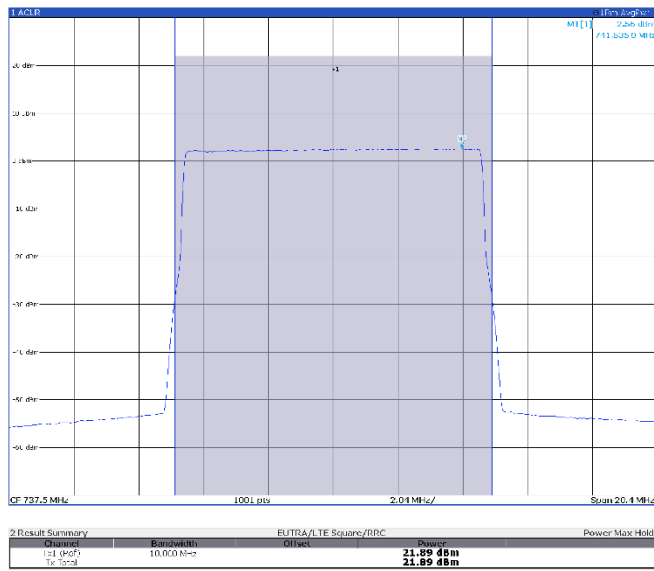
TM1.1, 10 MHz, high channel



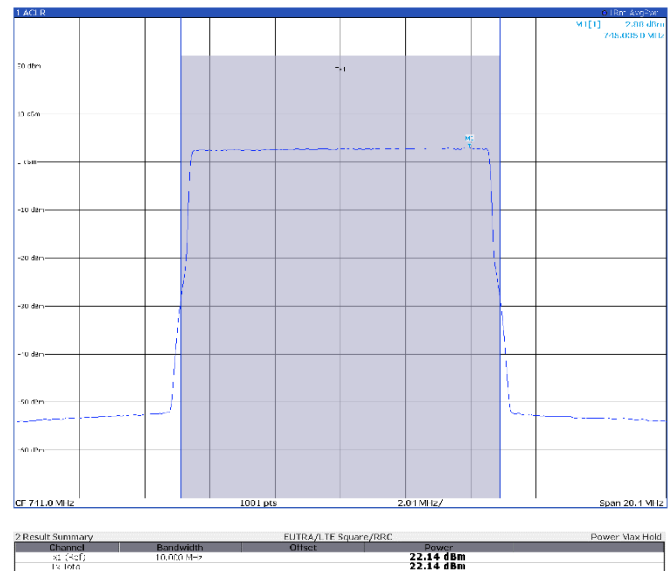
TM3p1, 10 MHz, low channel



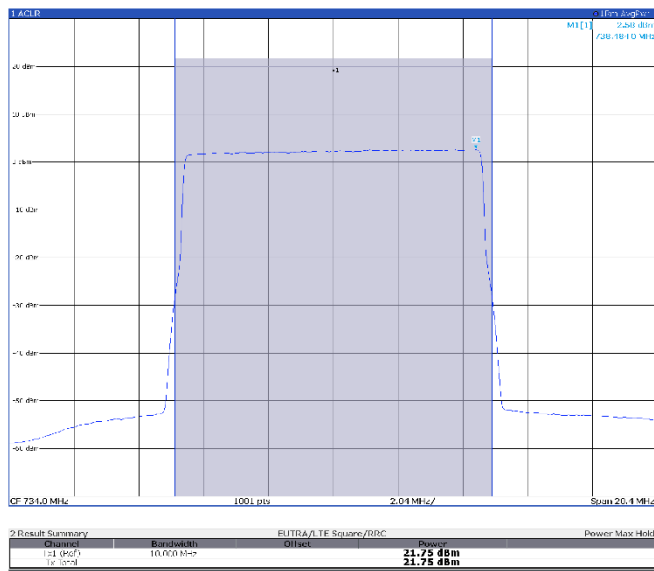
TM3p1, 10 MHz, mid channel



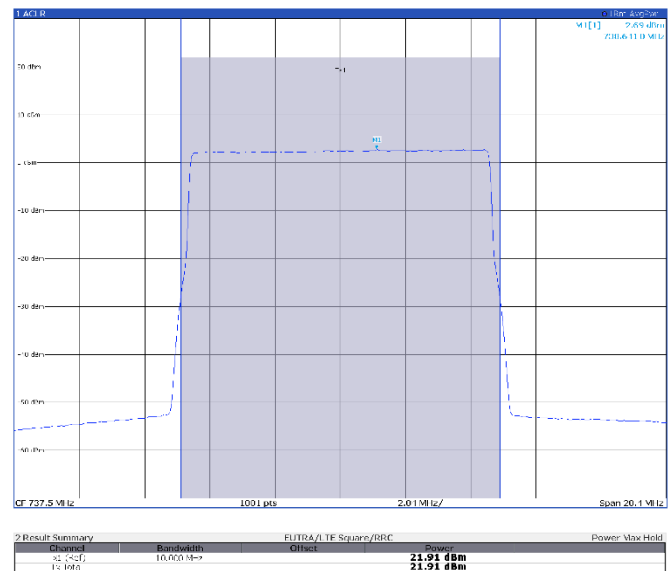
TM3p1, 10 MHz, high channel



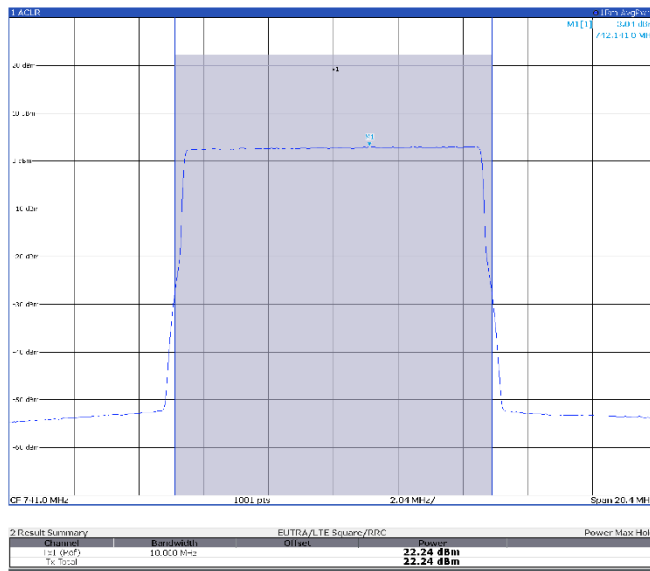
TM3p1a, 10 MHz, low channel



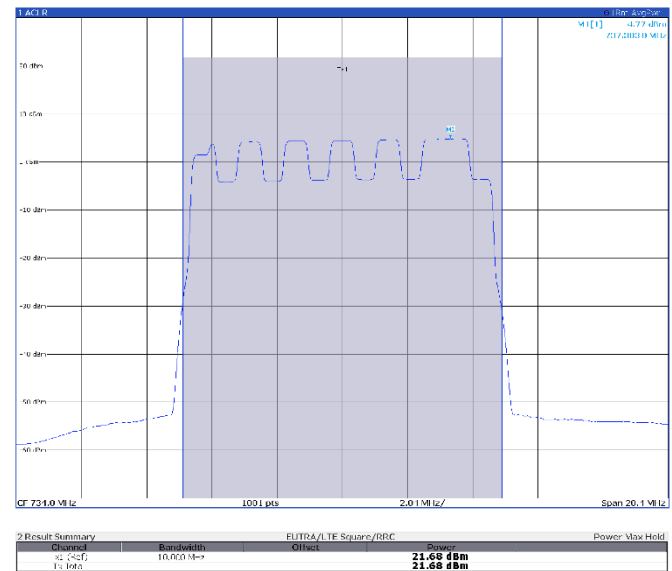
TM3p1a, 10 MHz, mid channel



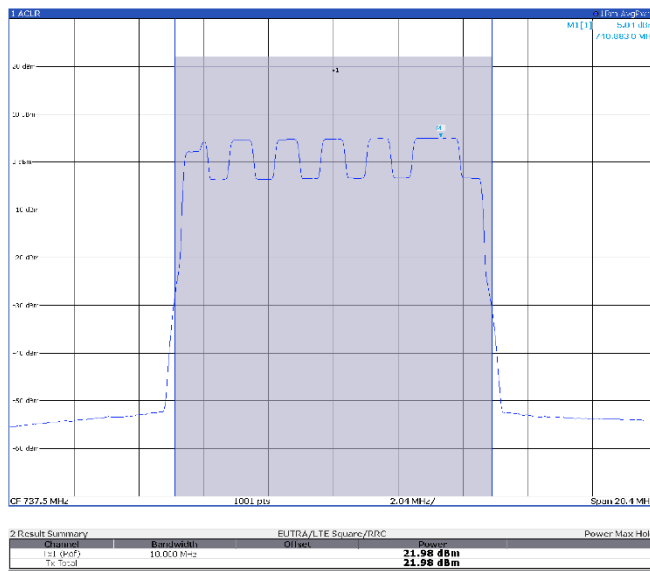
TM3p1a, 10 MHz, high channel



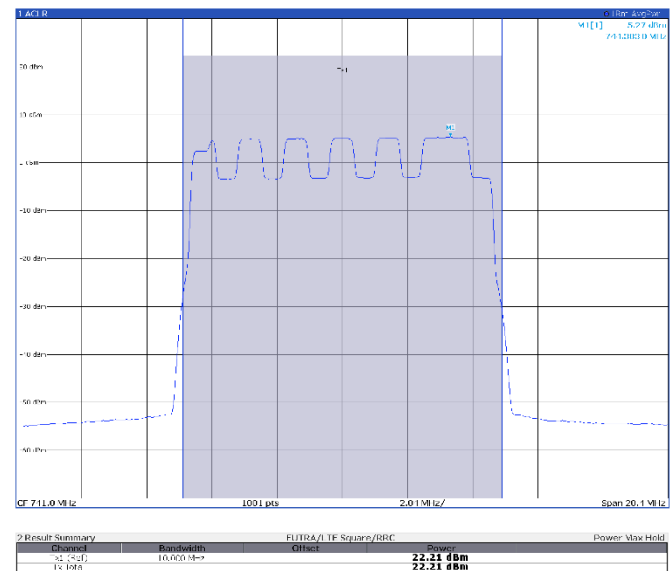
TM3p3, 10 MHz, low channel



TM3p3, 10 MHz, mid channel



TM3p3, 10 MHz, high channel

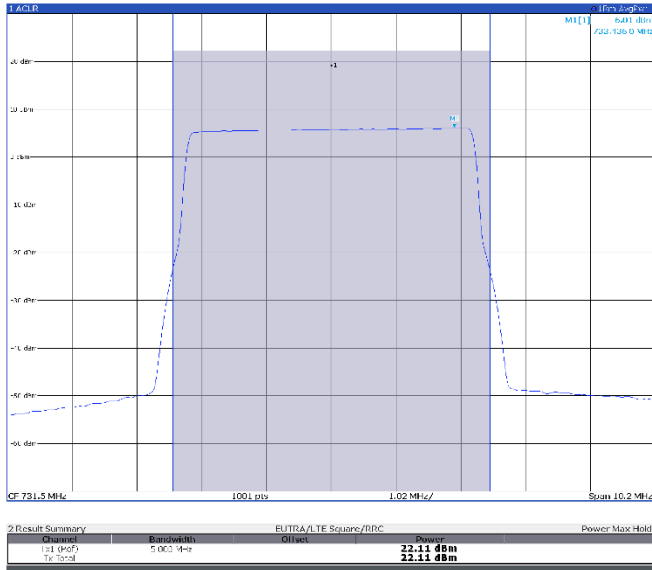


Antenna port 2

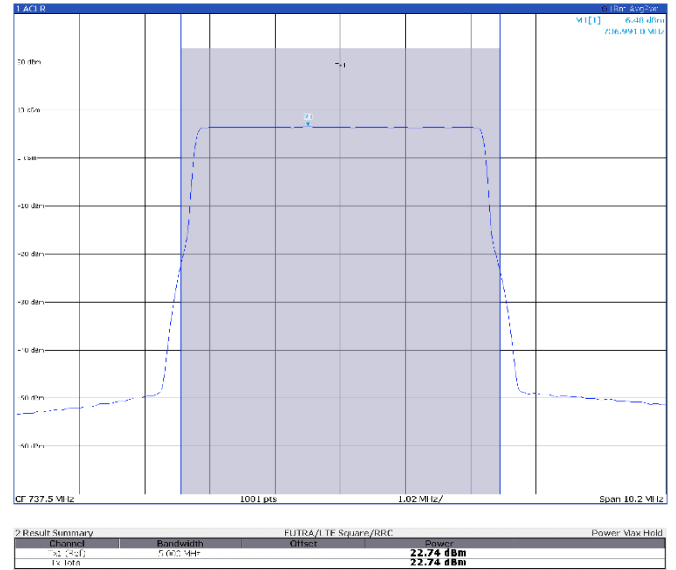
Band n12

5 MHz

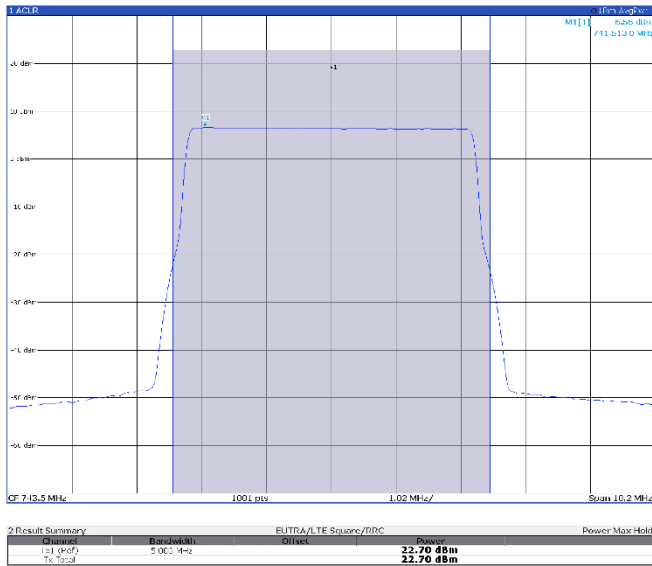
TM1.1, 5 MHz, low channel



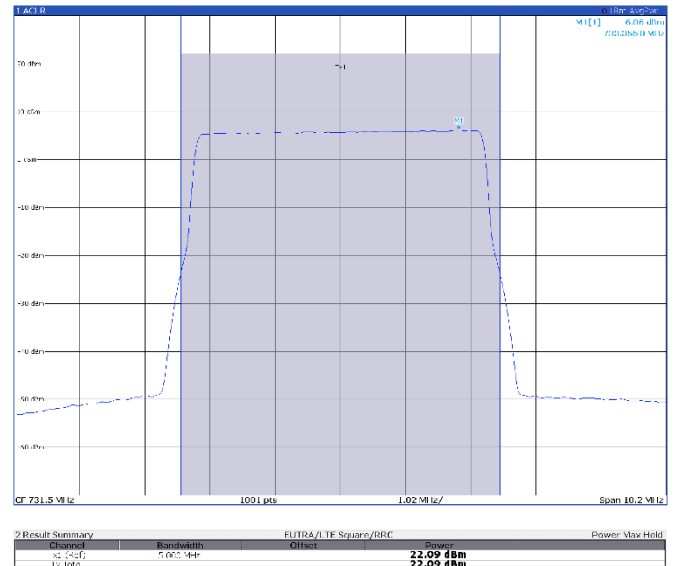
TM1.1, 5 MHz, mid channel



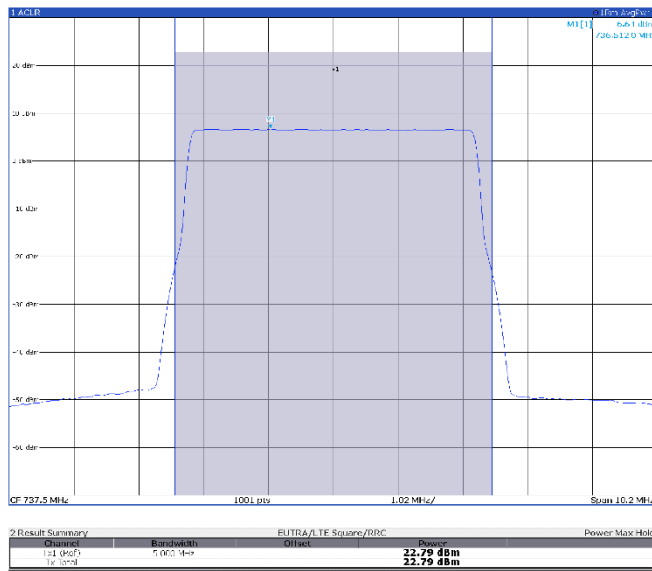
TM1.1, 5 MHz, high channel



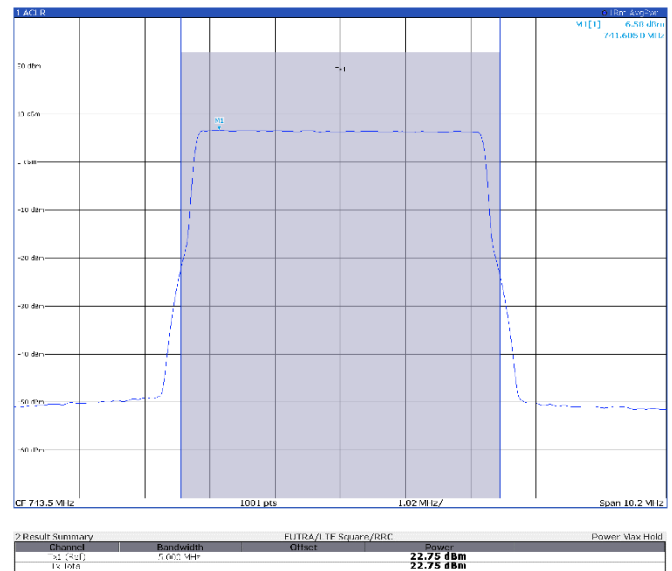
TM3p1, 5 MHz, low channel



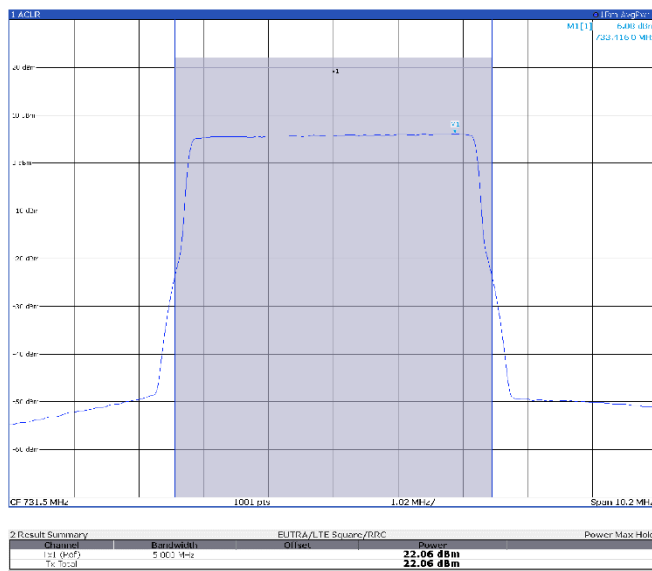
TM3p1, 5 MHz, mid channel



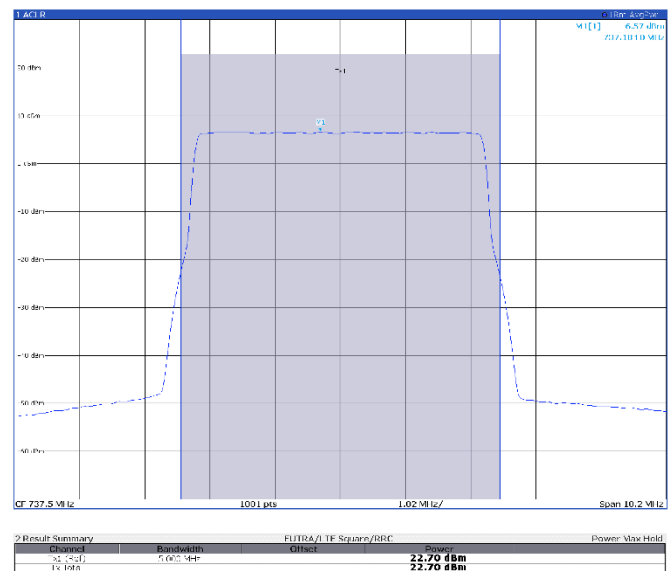
TM3p1, 5 MHz, high channel



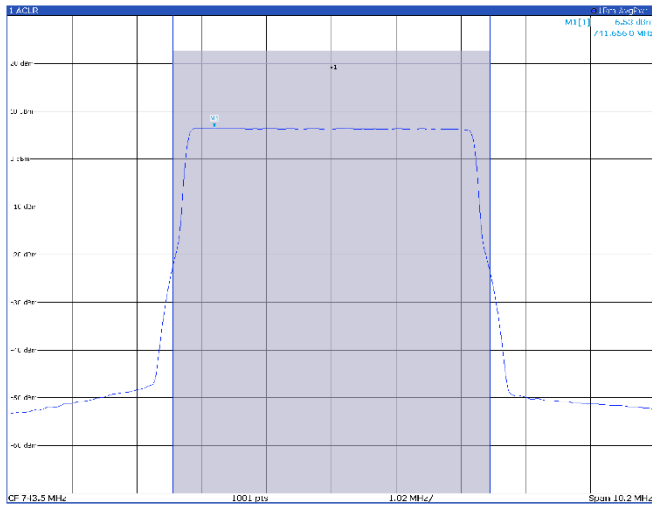
TM3p1a, 5 MHz, low channel



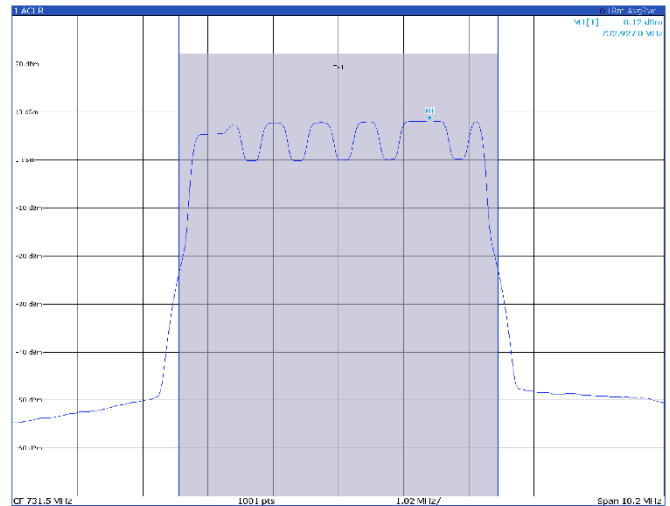
TM3p1a, 5 MHz, mid channel



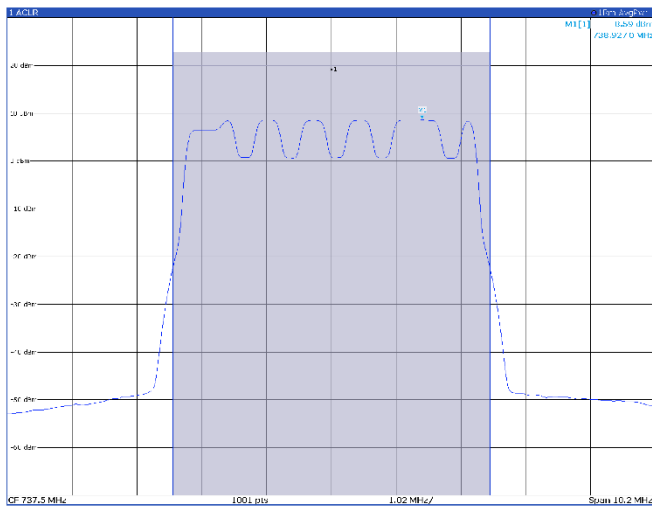
TM3p1a, 5 MHz, high channel



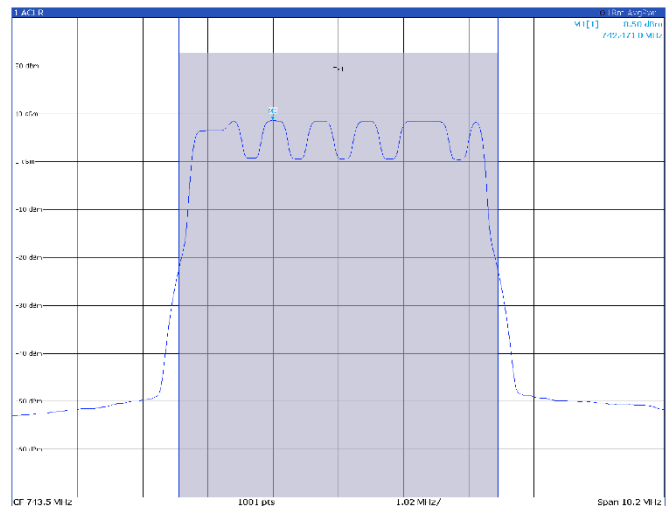
TM3p3, 5 MHz, low channel



TM3p3, 5 MHz, mid channel



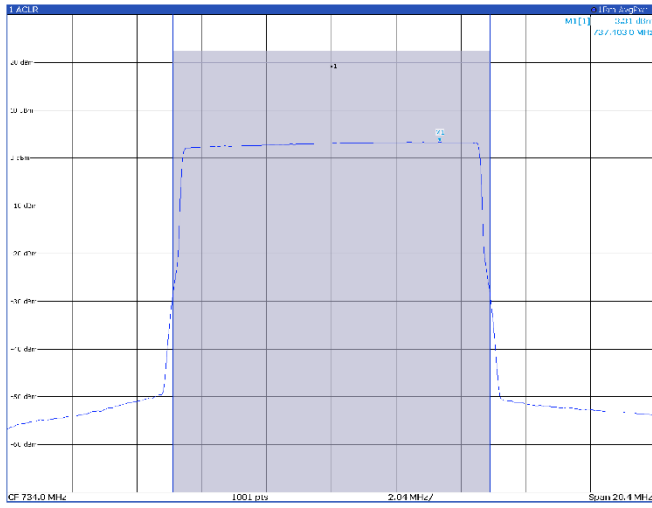
TM3p3, 5 MHz, high channel



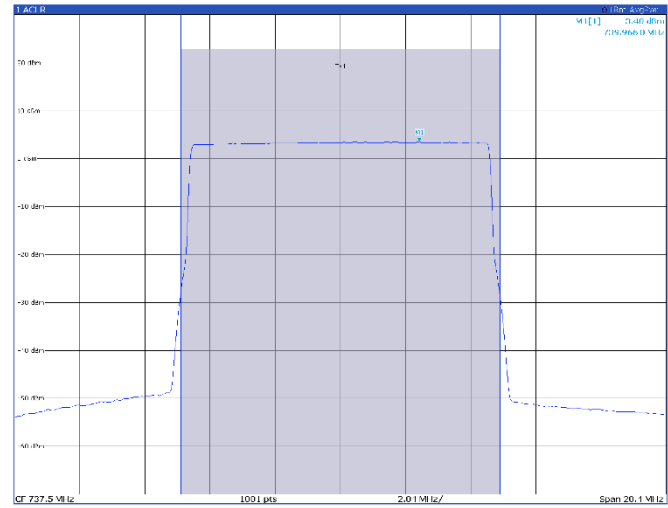
Band n12

10 MHz

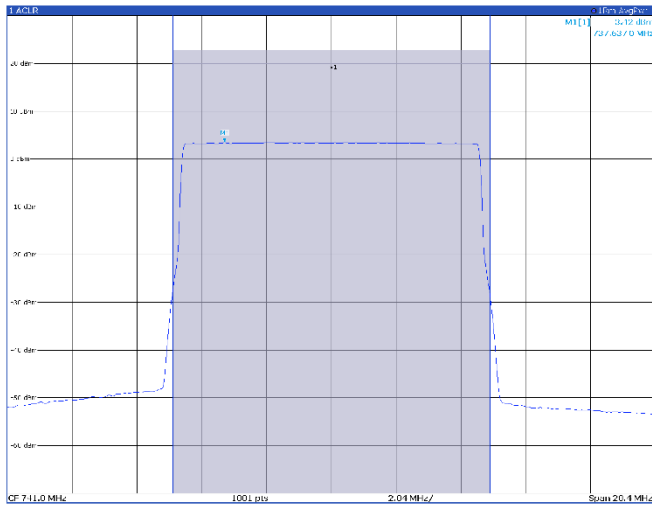
TM1.1, 10 MHz, low channel



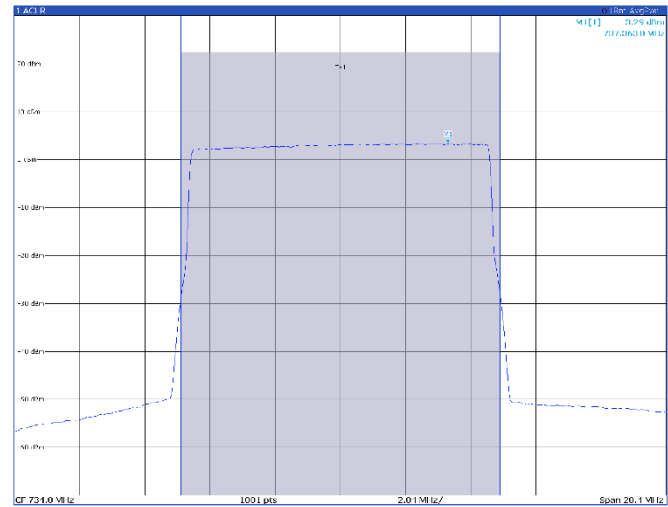
TM1.1, 10 MHz, mid channel



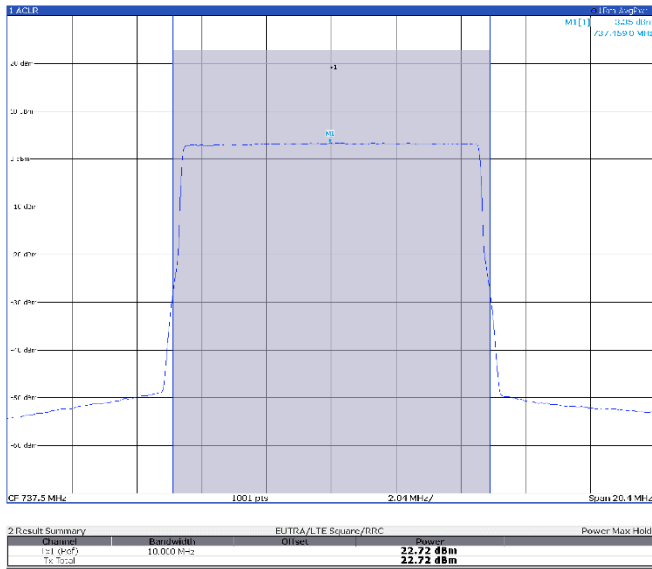
TM1.1, 10 MHz, high channel



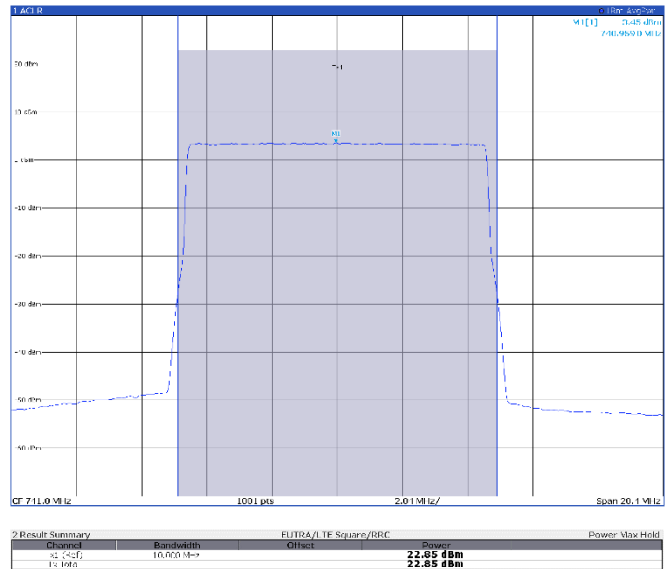
TM3p1, 10 MHz, low channel



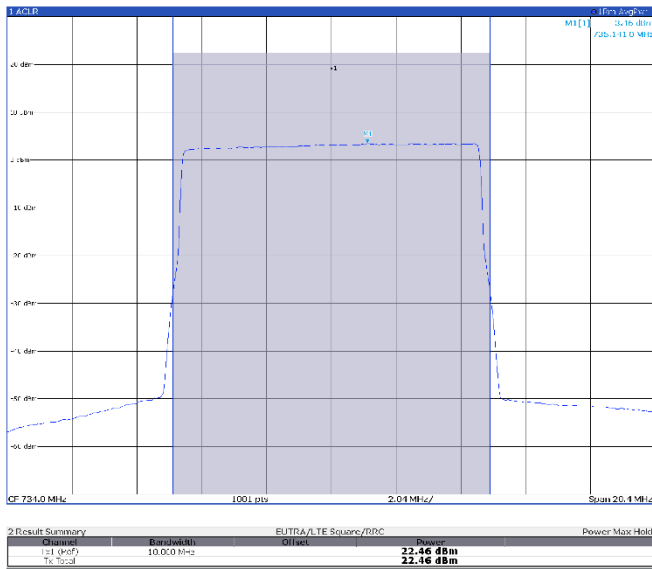
TM3p1, 10 MHz, mid channel



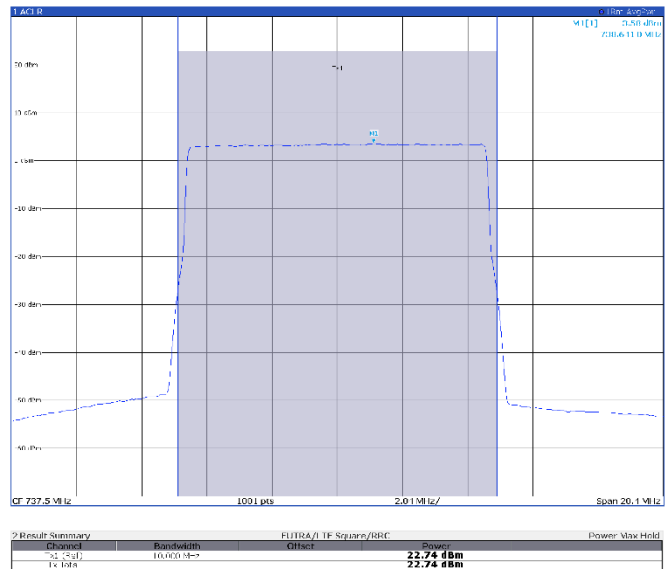
TM3p1, 10 MHz, high channel



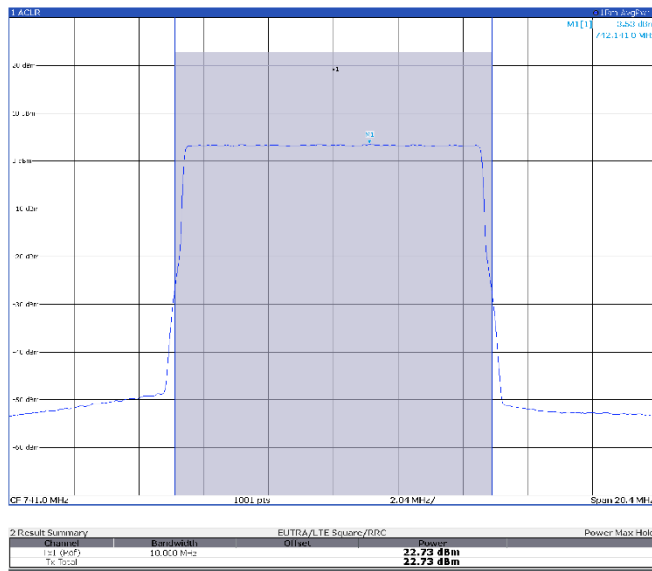
TM3p1a, 10 MHz, low channel



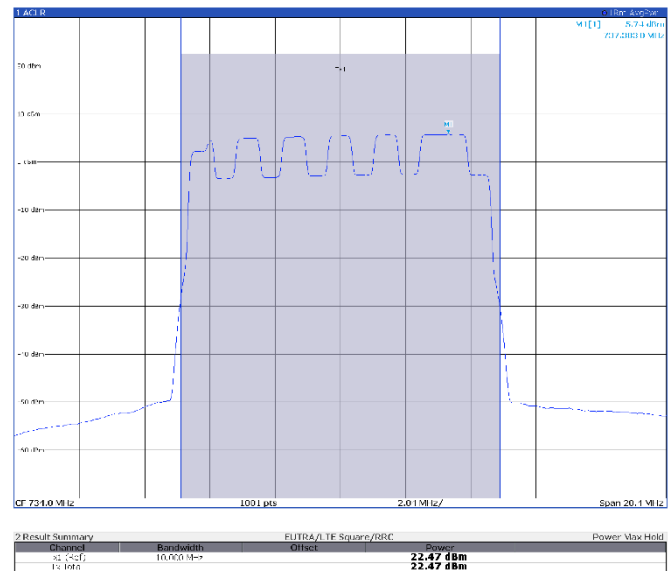
TM3p1a, 10 MHz, mid channel



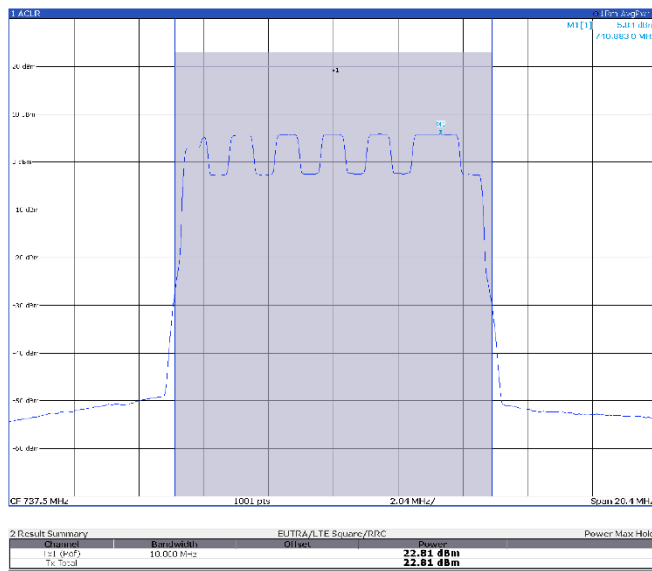
TM3p1a, 10 MHz, high channel



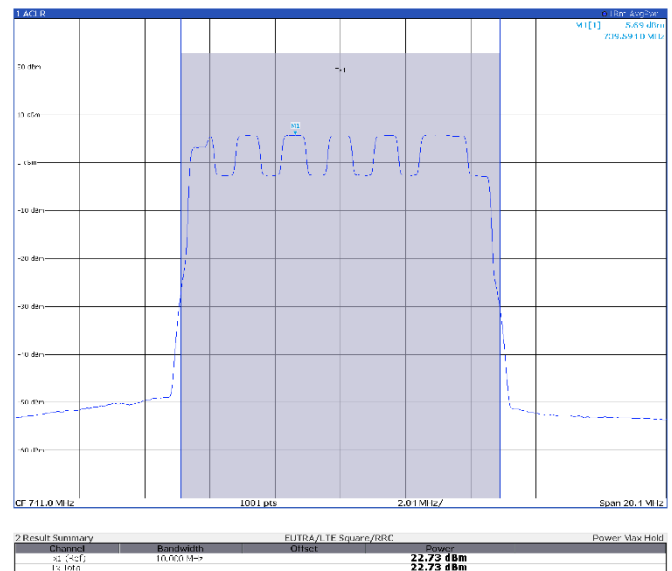
TM3p3, 10 MHz, low channel



TM3p3, 10 MHz, mid channel



TM3p3, 10 MHz, high channel



8.5 FCC §27.50(d)(5) 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 20, 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 n12:

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	1	731.5	8.48	13	-4.52
n12	5 MHz	1	737.5	8.44	13	-4.56
n12	5 MHz	1	743.5	8.44	13	-4.56

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	1	731.5	8.36	13	-4.64
n12	5 MHz	1	737.5	8.36	13	-4.64
n12	5 MHz	1	743.5	8.34	13	-4.66

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	1	731.5	8.42	13	-4.58
n12	5 MHz	1	737.5	8.46	13	-4.54
n12	5 MHz	1	743.5	8.38	13	-4.62

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	1	731.5	8.52	13	-4.48
n12	5 MHz	1	737.5	8.48	13	-4.52
n12	5 MHz	1	743.5	8.58	13	-4.42

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	10 MHz	1	734.0	8.56	13	-4.44
n12	10 MHz	1	737.5	8.52	13	-4.48
n12	10 MHz	1	741.0	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)
n12	10 MHz	1	734.0	8.36	13	-4.64
n12	10 MHz	1	737.5	8.36	13	-4.64
n12	10 MHz	1	741.0	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)
n12	10 MHz	1	734.0	8.44	13	-4.56
n12	10 MHz	1	737.5	8.44	13	-4.56
n12	10 MHz	1	741.0	8.38	13	-4.62

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	10 MHz	1	734.0	8.46	13	-4.54
n12	10 MHz	1	737.5	8.44	13	-4.56
n12	10 MHz	1	741.0	8.48	13	-4.52

Peak to average power ratio, TM3p3

Antenna 2

Band n12:

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	2	731.5	8.48	13	-4.52
n12	5 MHz	2	737.5	8.46	13	-4.54
n12	5 MHz	2	743.5	8.44	13	-4.56

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	2	731.5	8.36	13	-4.64
n12	5 MHz	2	737.5	8.38	13	-4.62
n12	5 MHz	2	743.5	8.34	13	-4.66

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	2	731.5	8.46	13	-4.54
n12	5 MHz	2	737.5	8.46	13	-4.54
n12	5 MHz	2	743.5	8.48	13	-4.52

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	5 MHz	2	731.5	8.50	13	-4.50
n12	5 MHz	2	737.5	8.54	13	-4.46
n12	5 MHz	2	743.5	8.56	13	-4.64

Peak to average power ratio, TM3p3

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	10 MHz	2	734.0	8.54	13	-4.46
n12	10 MHz	2	737.5	8.46	13	-4.54
n12	10 MHz	2	741.0	8.56	13	-4.44

Peak to average power ratio, TM1.1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	10 MHz	2	734.0	8.34	13	-4.66
n12	10 MHz	2	737.5	8.34	13	-4.66
n12	10 MHz	2	741.0	8.34	13	-4.66

Peak to average power ratio, TM3p1

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	10 MHz	2	734.0	8.36	13	-4.64
n12	10 MHz	2	737.5	8.38	13	-4.62
n12	10 MHz	2	741.0	8.38	13	-4.62

Peak to average power ratio, TM3p1a

Band	OBW Declared	Port	Channel (MHz)	0.1% (dB)	0.1% Limit (dB)	Margin (dB)
n12	10 MHz	2	734.0	8.48	13	-4.52
n12	10 MHz	2	737.5	8.52	13	-4.48
n12	10 MHz	2	741.0	8.54	13	-4.64

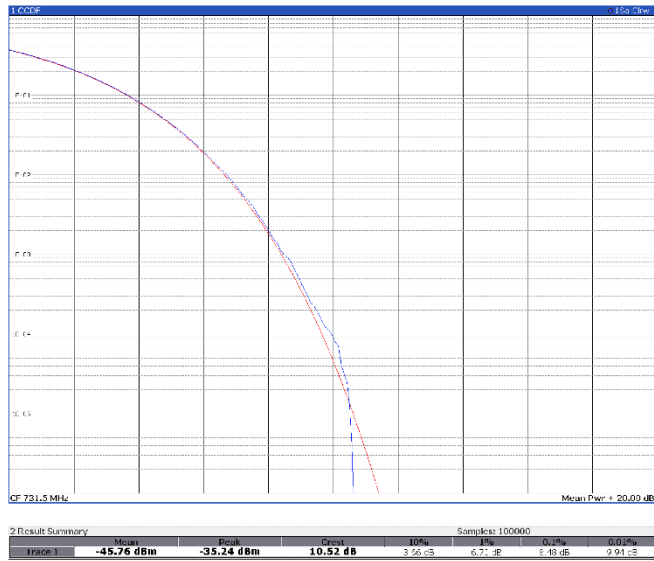
Peak to average power ratio, TM3p3

Antenna port 1

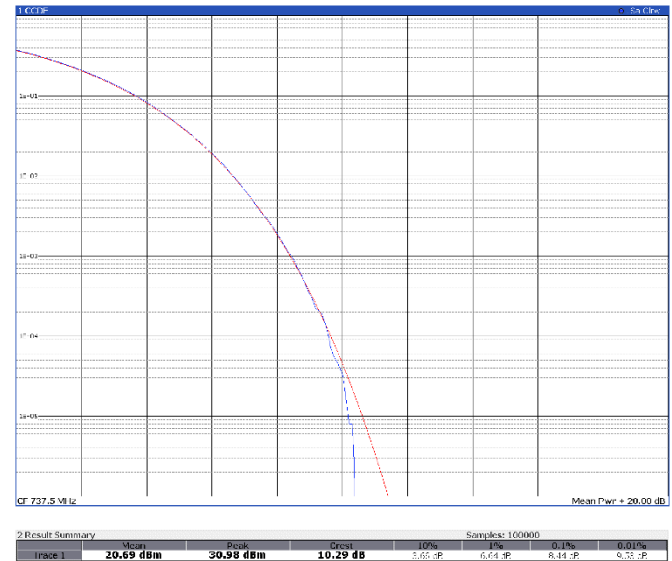
Band n12

5 MHz

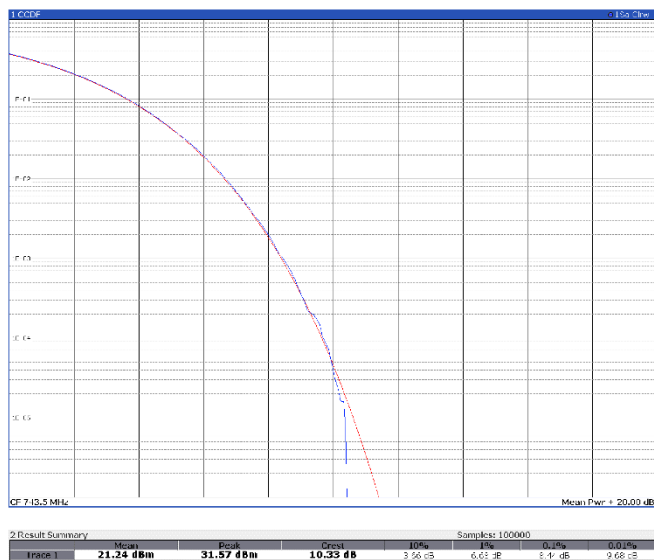
TM1.1, 5 MHz, low channel



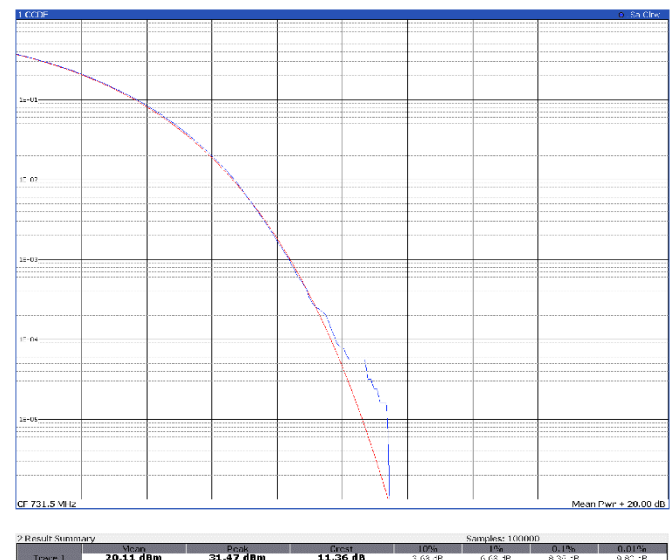
TM1.1, 5 MHz, mid channel



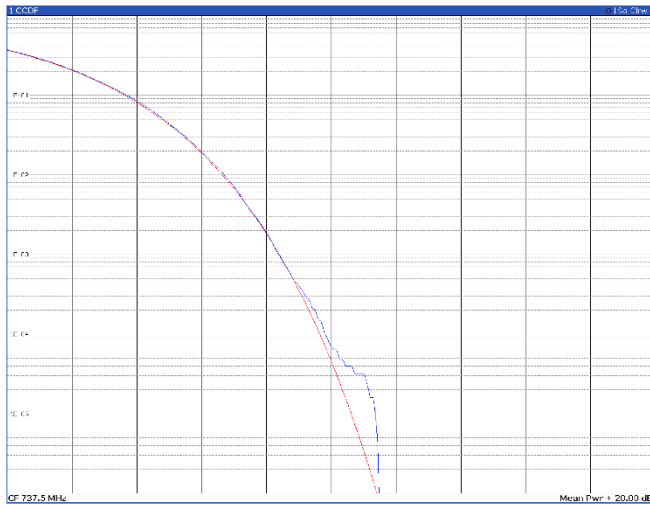
TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

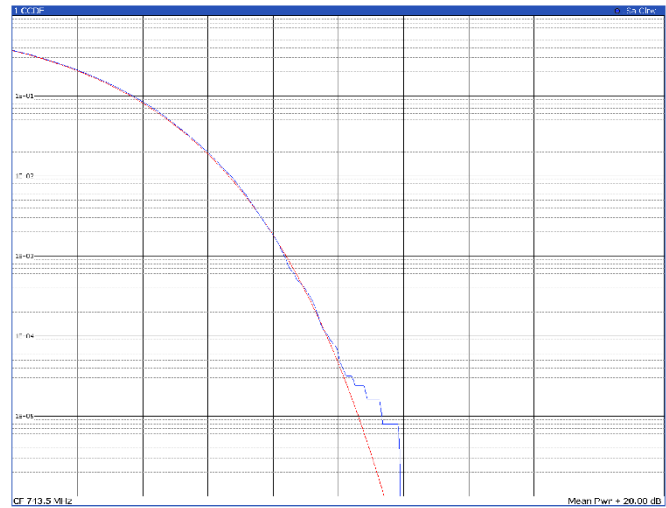


TM3p1, 5 MHz, mid channel



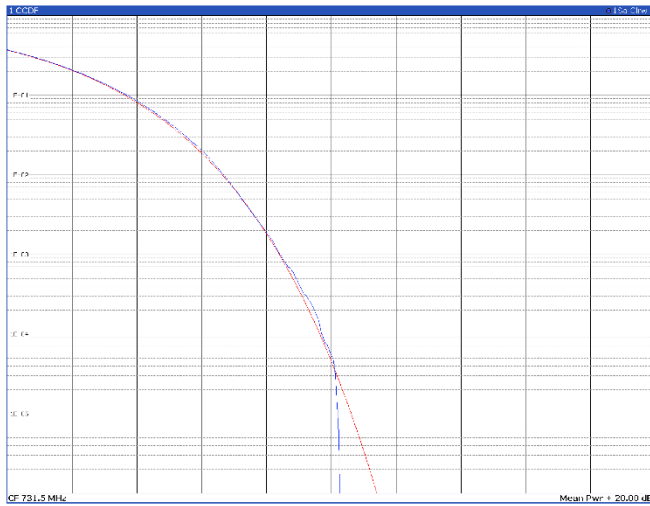
2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Offset	10%	1%	0.01%
	20.64 dBm	32.02 dBm	11.38 dB	9.58 dB	6.77 dB	5.56 dB

TM3p1, 5 MHz, high channel



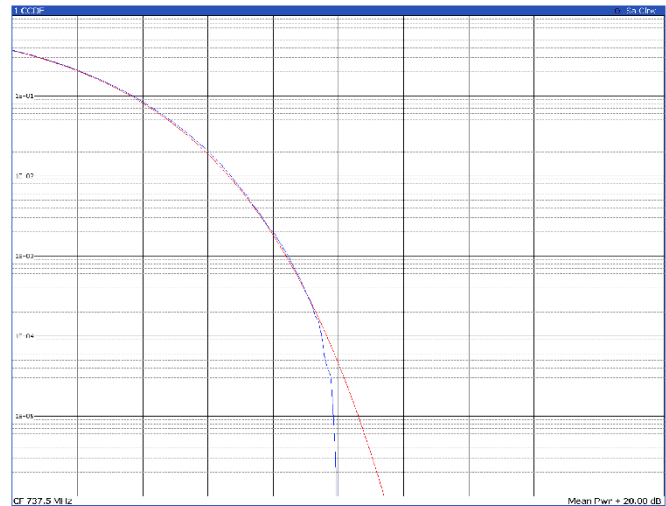
2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Offset	10%	1%	0.01%
	21.14 dBm	32.91 dBm	11.77 dB	9.71 dB	6.77 dB	5.56 dB

TM3p1a, 5 MHz, low channel



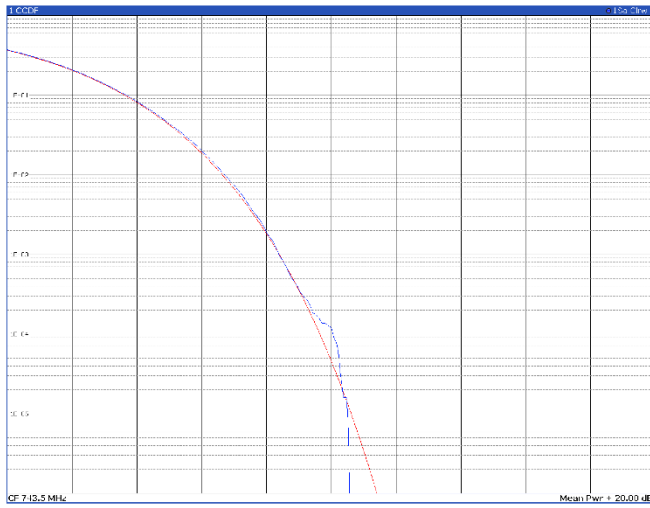
2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Offset	10%	1%	0.01%
	20.17 dBm	30.36 dBm	10.20 dB	9.70 dB	6.65 dB	5.42 dB

TM3p1a, 5 MHz, mid channel



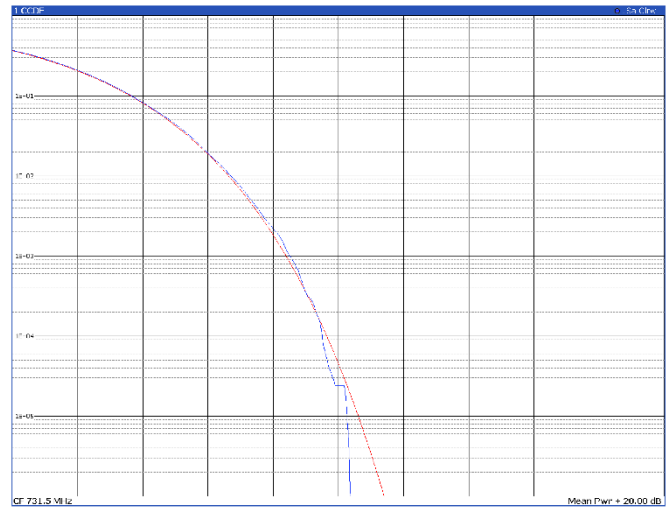
2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Offset	10%	1%	0.01%
	20.67 dBm	30.47 dBm	9.80 dB	9.65 dB	6.77 dB	5.45 dB

TM3p1a, 5 MHz, high channel



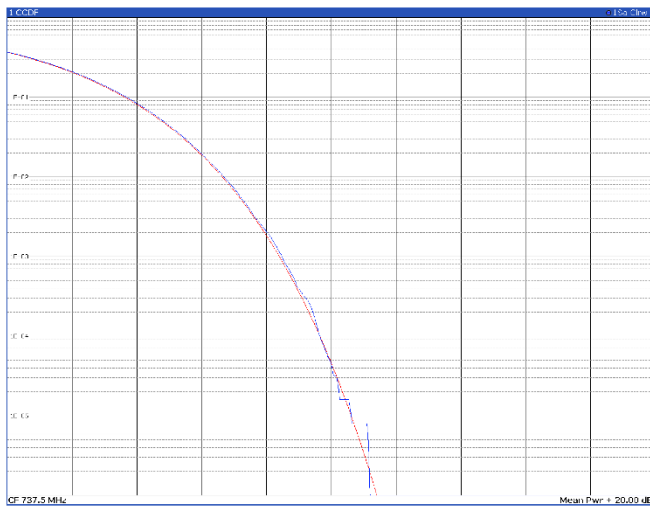
2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.01%
	21.19 dBm	31.66 dBm	10.50 dB	3.56 dB	6.72 dB	8.58 dB

TM3p3, 5 MHz, low channel



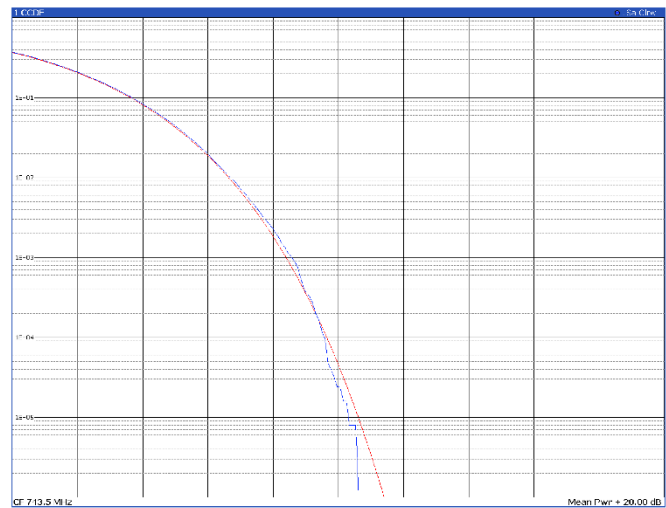
2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.01%
	20.24 dBm	30.55 dBm	10.31 dB	3.61 dB	6.72 dB	8.52 dB

TM3p3, 5 MHz, mid channel



2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.01%
	20.74 dBm	31.80 dBm	11.07 dB	3.58 dB	6.62 dB	8.58 dB

TM3p3, 5 MHz, high channel

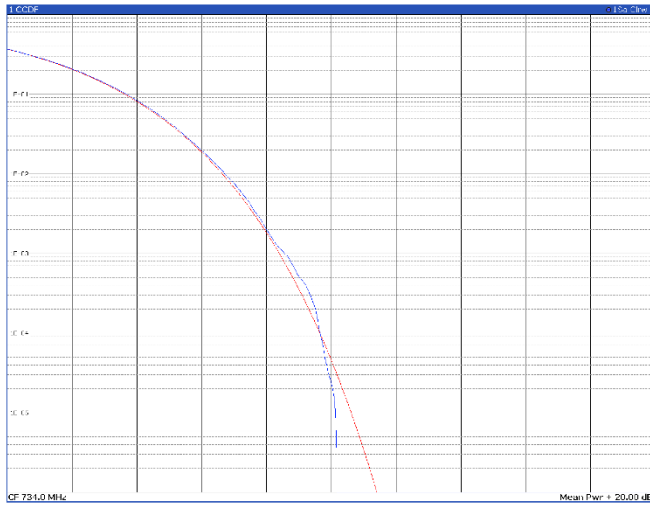


2 Result Summary						
Sample: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.01%
	21.32 dBm	31.86 dBm	10.54 dB	3.65 dB	6.70 dB	8.55 dB

Band n12

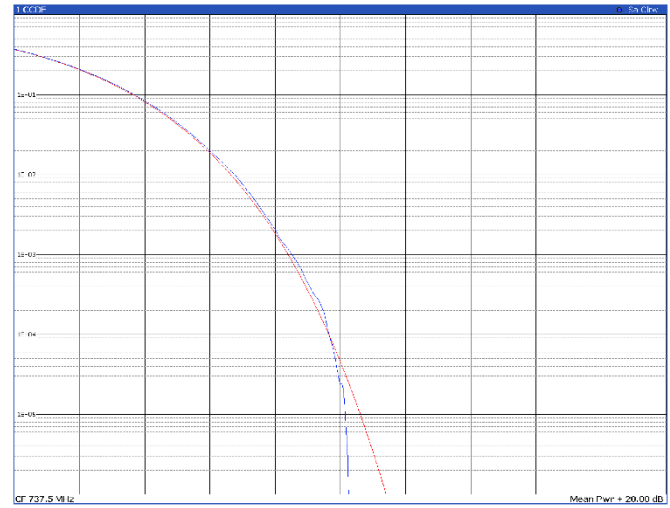
10 MHz

TM1.1, 10 MHz, low channel



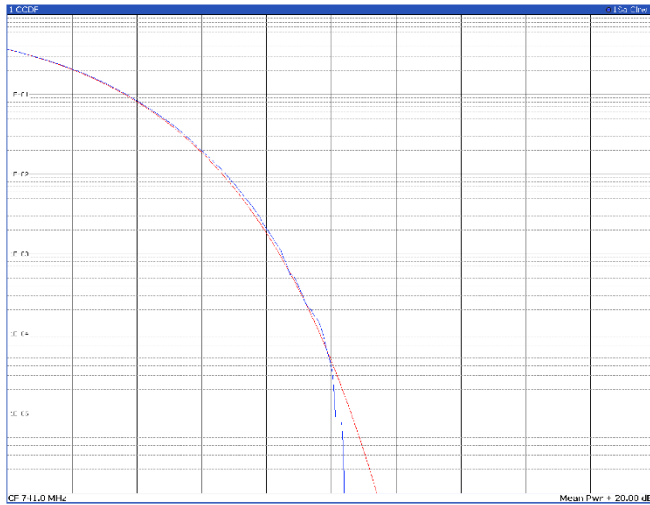
2 Result Summary						
Samples: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.1%
	17.23 dBm	27.30 dBm	10.06 dB	3.56 dB	6.72 dB	3.56 dB

TM1.1, 10 MHz, mid channel



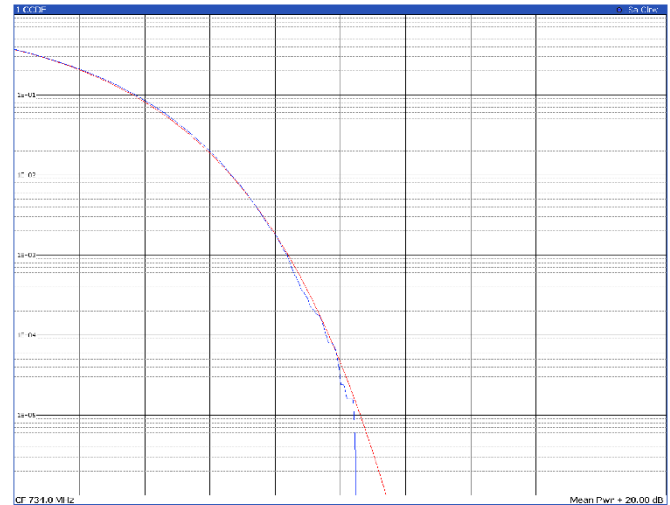
2 Result Summary						
Samples: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.1%
	17.44 dBm	27.55 dBm	10.11 dB	3.61 dB	6.75 dB	3.57 dB

TM1.1, 10 MHz, high channel



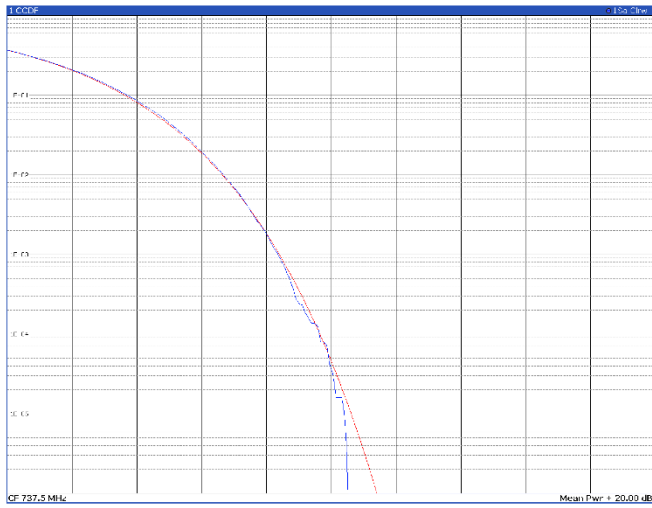
2 Result Summary						
Samples: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.1%
	17.76 dBm	28.04 dBm	10.28 dB	3.58 dB	6.74 dB	3.48 dB

TM3p1, 10 MHz, low channel



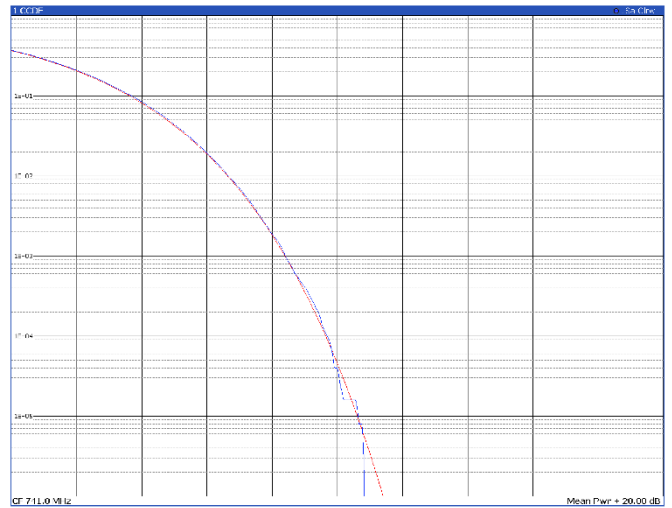
2 Result Summary						
Samples: 100000						
Trace 1	Mean	Peak	Crest	10%	1%	0.1%
	17.21 dBm	27.54 dBm	10.42 dB	3.73 dB	6.64 dB	3.35 dB

TM3p1, 10 MHz, mid channel



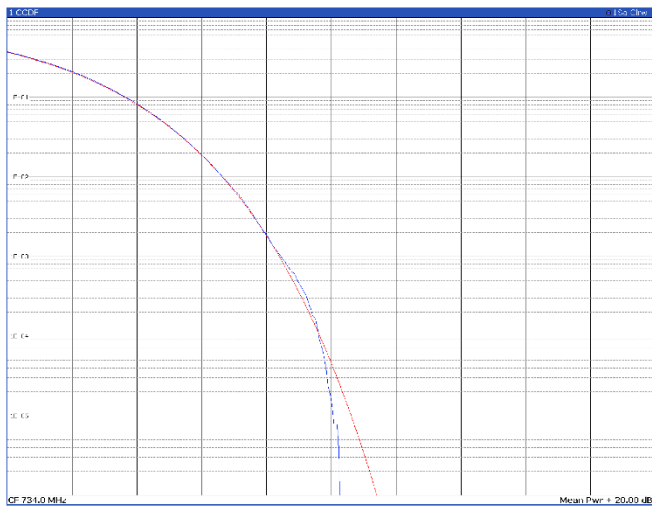
2 Result Summary		Samples: 100000	
Mean	Peak	Crest	10%
Trace 1	17.47 dBm	27.92 dBm	10.45 dB
		3.70 dB	0.65 dB
			5.16 dB
			9.62 dB

TM3p1, 10 MHz, high channel



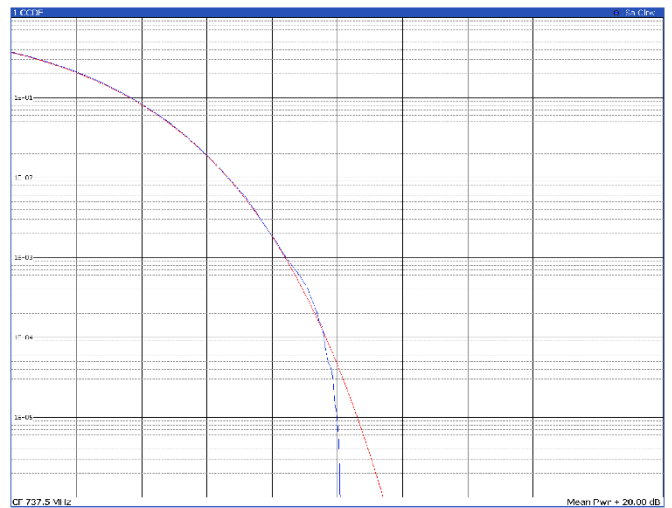
2 Result Summary		Samples: 100000	
Mean	Peak	Crest	10%
Trace 1	17.79 dBm	28.53 dBm	10.74 dB
		3.65 dB	0.65 dB
			5.16 dB
			9.62 dB

TM3p1a, 10 MHz, low channel



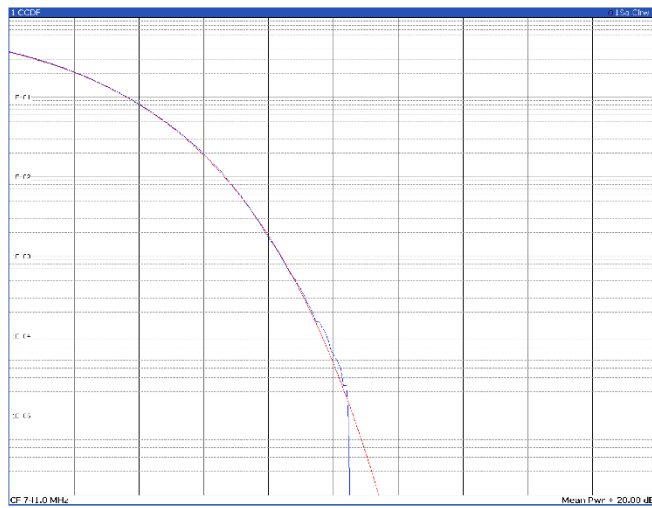
2 Result Summary		Samples: 100000	
Mean	Peak	Crest	10%
Trace 1	17.24 dBm	27.59 dBm	10.16 dB
		3.56 dB	0.64 dB
			5.16 dB
			9.62 dB

TM3p1a, 10 MHz, mid channel



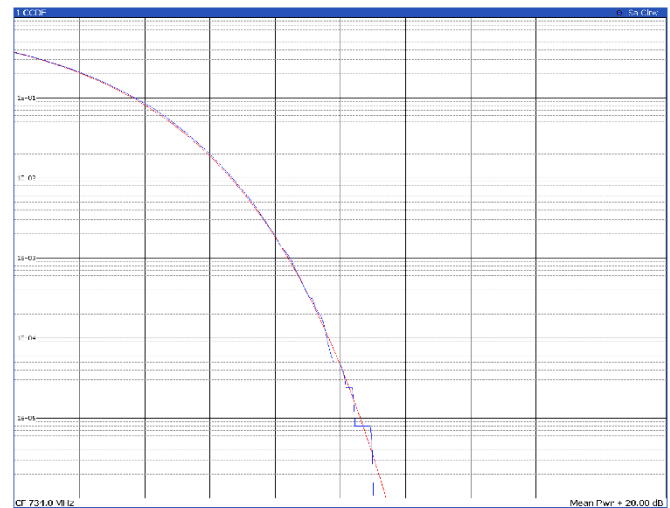
2 Result Summary		Samples: 100000	
Mean	Peak	Crest	10%
Trace 1	17.41 dBm	27.38 dBm	9.97 dB
		3.65 dB	0.64 dB
			5.16 dB
			9.62 dB

TM3p1a, 10 MHz, high channel



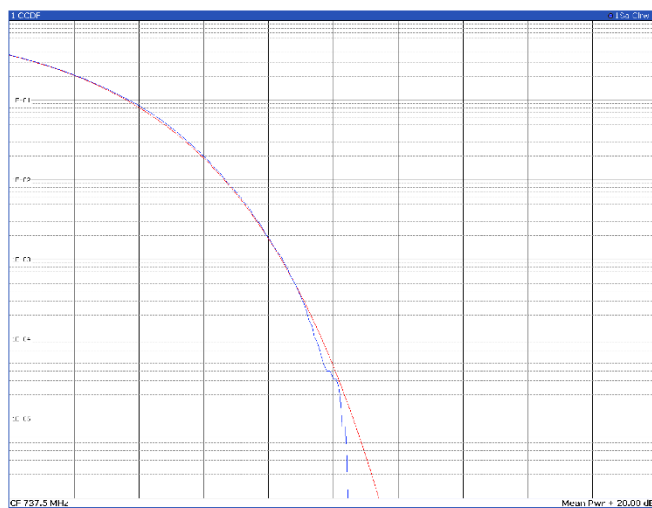
2 Result Summary						
	Mean	Peak	Crest	10%	1%	0.01%
Trace 1	17.77 dBm	28.19 dBm	10.43 dB	5.64 dB	6.65 dB	8.80 dB

TM3p3, 10 MHz, low channel



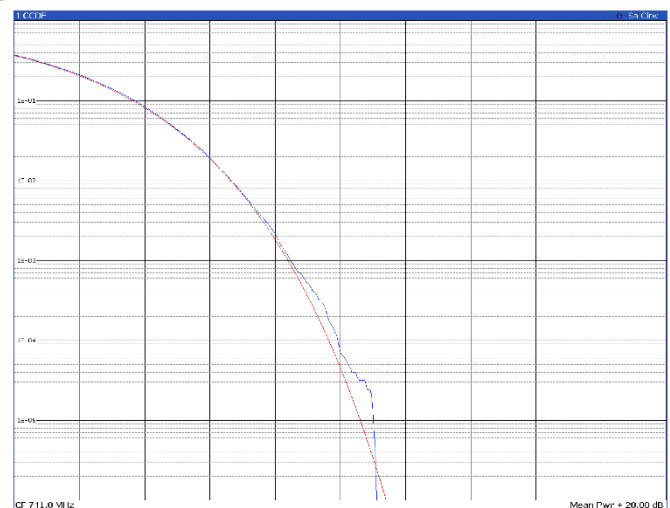
2 Result Summary						
	Mean	Peak	Crest	10%	1%	0.01%
Trace 1	17.62 dBm	28.49 dBm	10.87 dB	5.73 dB	6.65 dB	8.81 dB

TM3p3, 10 MHz, mid channel



2 Result Summary						
	Mean	Peak	Crest	10%	1%	0.01%
Trace 1	17.90 dBm	28.21 dBm	10.31 dB	5.70 dB	6.65 dB	8.84 dB

TM3p3, 10 MHz, high channel



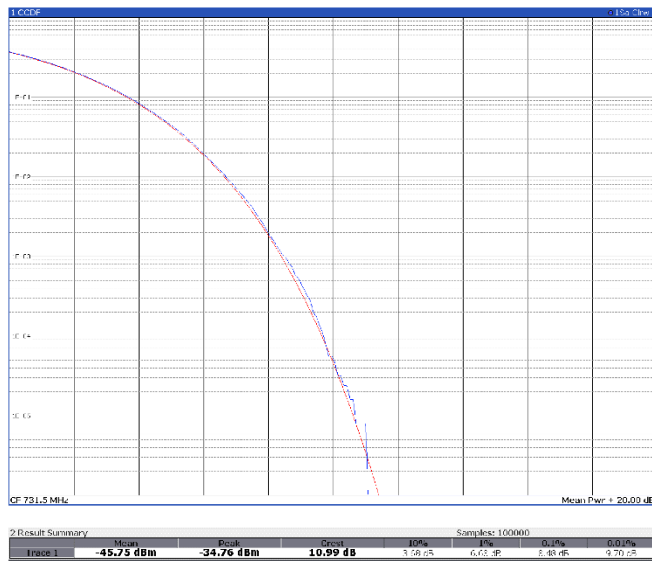
2 Result Summary						
	Mean	Peak	Crest	10%	1%	0.01%
Trace 1	18.15 dBm	29.19 dBm	11.01 dB	5.73 dB	6.65 dB	8.85 dB

Antenna port 2

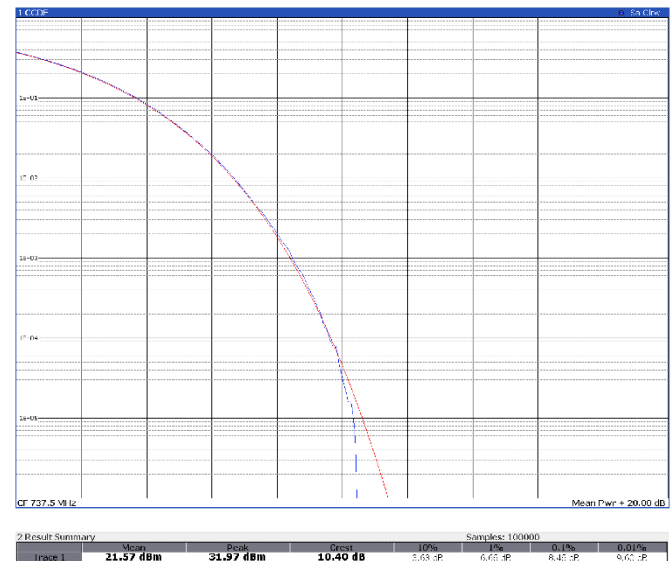
Band n12

5 MHz

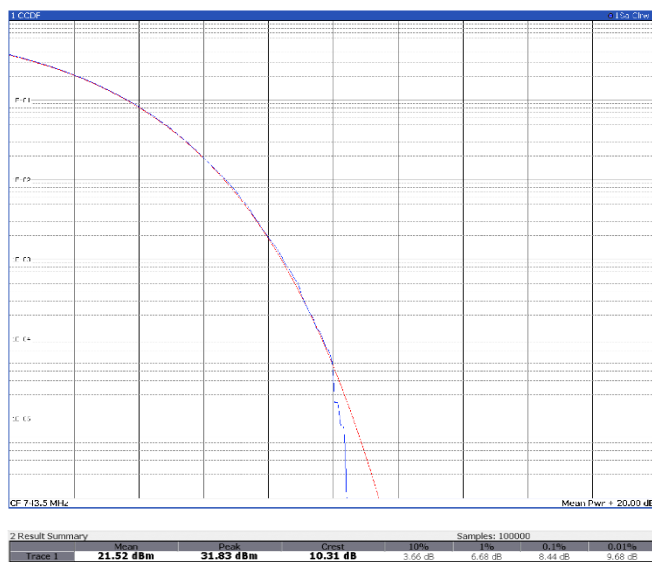
TM1.1, 5 MHz, low channel



TM1.1, 5 MHz, mid channel



TM1.1, 5 MHz, high channel



TM3p1, 5 MHz, low channel

