

Test report

REP111155-2R2TRFWL

Date of issue: December 10, 2025

Applicant:

Fujitsu Network Communications, Inc.

Product:

Dual Band Radio Unit

Model:

44R26-N25N66-AC

Model variant:

44R26-N25N66-DC

FCC ID:

CFDLN01FRUDB

Specifications:

◆ **FCC 47 CFR Part 24**

Personal Communications Services

Lab and test locations

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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 USA's ISO/IEC 17025 accreditation.

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Section 1. Report summary

1.1 Test specifications

FCC 47 CFR Part 24
ANSI C63.26: 2015

Personal Communications Services
American National Standard of Procedures for Compliance Testing of Licensed Wireless Devices

1.2 Exclusions

None.

1.3 Statement of compliance

Testing was performed against all relevant requirements of the test standard(s).

Results obtained indicate that the product under test complies in full with the tested requirements.

The test results relate only to the item(s) tested.

See "Section 2 Summary of test results" for full details.

1.4 Test report revision history

Revision #		Details of changes made to test report
REP111155-2TRFWL	October 8, 2025	Original report issued
REP111155-2R1TRFWL	December 5, 2025	Added LTE, multi-carrier and multi-RAT test data. Minor additional edits
REP111155-2R2TRFWL	December 12, 2025	Minor additional edits

Section 2. Summary of test results

2.1 Sample information

Receipt date	August 25, 2025
Nemko sample ID number	PRJ0083647

2.2 Testing period

Test start date	August 25, 2025
Test end date	December 5, 2025

2.3 FCC Part 24 test results

Part	Test description	Verdict
§2.1033(c)(4)	Modulation type	Pass
§2.1049(h)	99% Occupied bandwidth	Pass
§24.238	26 dB Occupied bandwidth	Pass
§24.232	Output power at RF antenna connector	Pass
§24.232	Peak to average power ratio	Pass
§24.238	Conducted spurious emissions	Pass
§24.238	Radiated spurious emissions	Pass
§24.235	Frequency stability	Pass

Note: None

Section 3. Equipment under test (EUT) details

3.1 Sample information

This section contains information provided by the applicant and has been utilized to support the test plan. Inaccurate information provided by the applicant can affect the validity of the results within this test report. Nemko accepts no responsibility for the information contained within this section and the impact it may have on the test plan and resulting measurements.

3.2 Applicant and manufacturer

Company name	Fujitsu Networks Communications, Inc.
Address	2801 Telecom Parkway
City	Richardson
Province/State	TX
Postal/Zip code	75082
Country	United States of America

3.3 EUT information

Product name	Dual Band Radio unit
Model	44R26-N25N66-AC
Variant(s)	44R26-N25N66-DC
Serial number	A2256600352
Part number	TA08029-B586R
Power requirements	90-240 Vac, 60 Hz/6.4 Amps (44R26-N25N66-AC) 36-60 Vdc (44R26-N25N66-DC)
Description/theory of operation	5G/LTE ORAN dual band Radio Unit (RU) with 4T4R configuration.
Operational frequencies	Band 25: 1930-1995 MHz
Software details	Software Version: FJ-44R26-N25N66 1.2.14 Firmware Version: FJ-44R26-N25N66 0.1.4
Modulation	QPSK, 16QAM, 64QAM, 256QAM and 1024QAM
Operational bandwidth(s)	LTE: 5, 10, 15, 20 MHz 5G NR: 5, 10, 15, 20, 25, 30, 35, 40, 45 MHz
Antenna gain	18 dBi
Number of transmit antenna	4

3.4 EUT exercise details

EUT description of the methods used to exercise the EUT and all relevant ports:

- The Dual Band Radio Unit frequency, modulation and bandwidth was set before turning on RF signal.

EUT setup/configuration rationale:

- The EUT setup in a configuration that was expected to produce the highest amplitude emissions relative to the limit and that satisfy normal operation/installation practice by the end user.
- The type and construction of cables used in the measurement set-up were consistent with normal or typical use. Cables with mitigation features (for example, screening, tighter/more twists per length, ferrite beads) have been noted below:
 - None
- The EUT was setup in a manner that was consistent with its typical arrangement and use. The measurement arrangement of the EUT, local ancillary equipment and associated cabling was representative of normal practice. Any deviations from typical arrangements have been noted below:
 - None

3.5 EUT setup details

Table 3.5-1: EUT sub assemblies

Description	Brand name	Model/Part number	Serial number	Rev.
None	N/A	N/A	N/A	N/A

Table 3.5-2: EUT interface ports

Description	Qty.
Power (DC or AC connector)	1
Alarm (Not used)	1
Ethernet ports	2
Fiber (FH-IF) ports	2
RF connectors (Port A-D)	4

Table 3.5-3: Support equipment

Description	Brand name	Model/Part number	Serial number	Rev.
Laptop	Fujitsu	LIFEBook E-Series	N/A	--
DU Emulator	ZILLNK	THS 116 0001	TM1160001243900015	R1A

Table 3.5-4: Inter-connection cables

Cable description	From	To	Length (m)
Ethernet	Laptop	DU Emulator	2
Ethernet	Dual Band Radio Unit (EUT)	Laptop	3
Fiber	Dual Band Radio Unit (EUT)	DU Emulator	3

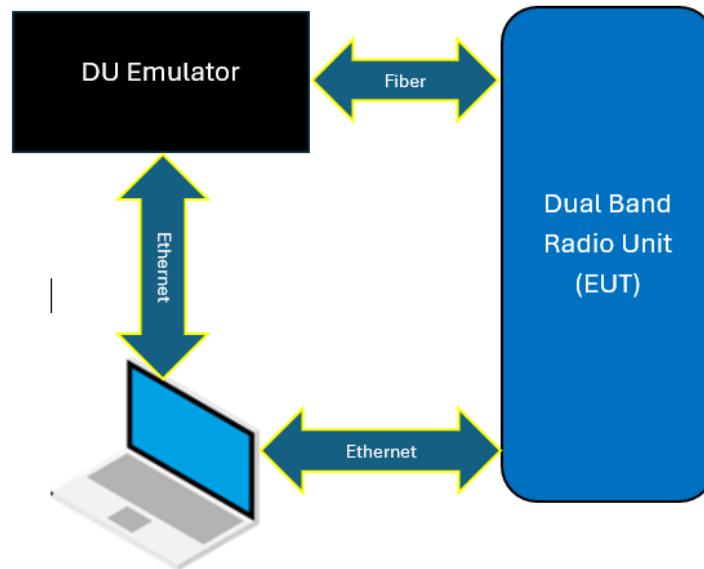


Figure 3.5-1: Test setup diagram

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

The equipment under test has 2 variants: the 44R26-N25N66-DC and the 44R26-N25N66-AC.

Both models are electrically and mechanically identical, and share the same antenna type and gain, with variations limited to main power sources either AC power 90 to 240VAC or DC power -36 to -60VDC.

Testing was performed on the AC powered variant. The test results are representative for the DC powered variant.

4.3 Deviations from laboratory tests procedures

No deviations were made from laboratory procedures.

Section 5. Test conditions

5.1 Atmospheric conditions

Temperature	15–30 °C
Relative humidity	20–75 %
Air pressure	860–1060 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.

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 ± 5 %, for which the equipment was designed.

Section 6. Measurement uncertainty

6.1 Uncertainty of measurement

Measurement uncertainty budgets for the tests are detailed below. Measurement uncertainty calculations assume a coverage factor of $K = 2$ with 95% certainty.

Table 6.1-1: *Measurement uncertainty.*

Test name	Measurement uncertainty, dB
All antenna port measurements/ including OBW	0.55
Conducted spurious emissions	1.13
Radiated spurious emissions	3.78
AC power line conducted emissions	1.38
Supply Voltages	0.05%
Time	2.09%

Section 7. Test equipment

7.1 Test equipment list

Table 7.1-1: Test equipment list

Equipment	Manufacturer	Model no.	Asset no.	Cal cycle	Next cal.
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV40	E1120	2 years	14-Dec-2025
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3030	E1321	1 year	01-Oct-2025
Signal Generator	Rohde & Schwarz	SMB100A	E1128	3 years	04-Oct-2027
Attenuator, 40dB (100W)	Centric RF	C18N100-40	N/A	VOU	VOU
Attenuator, 10dB	Pasternack	PE7016-10	N/A	VOU	VOU
Attenuator, 10dB	Narda	776B-10	N/A	VOU	VOU
EMI Test Receiver	Rohde & Schwarz	ESU40	E1121	1 year	03-Oct-2025
System Controller	Sunol Sciences	SC104V	E1191	NCR	NCR
Antenna, Bilog	Schaffner	CBL 6111D	1763	2 years	16-Jul-2026
Antenna, DRG Horn	ETS-Lindgren	3117-PA	E1160	2 years	17-May-2026
Antenna, Standard Gain Horn	Eravant	SAZ-2410-42-S1	EW107	1 year	11-Feb-2026
Low Noise Amplifier	Eravant	SBL-1834034038-KFKF	EW111	NCR	NCR
High Pass Filter, 3.5GHz	N/A	N/A	E1214	NCR	NCR

Notes: N/A – not applicable
NCR – no calibration required
VOU – verify on use

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

Verdict	Pass		
Test date	August 27, 2025	Temperature	22 °C
Test engineer	Lan Sayasane, Sr. EMC Test Engineer	Air pressure	1004.0 mbar
Test location	☐ 10m semi anechoic chamber	Relative humidity	58 %
	☐ 3m semi anechoic chamber		
	☒ Wireless bench		
	☐ Other:		

8.1.3 Observations, settings and special notes

None

8.1.4 Setup details

EUT power input during test	120Vac/60Hz
EUT setup configuration	☒ Table-top ☐ Floor standing ☐ Other:

8.1.5 Test data

Table 8.1-1: FCC §2.1033(c)(4) Modulation type – LTE operation

Band	Bandwidth (MHz)	Emission type
Band 25	5	QPSK; 16QAM; 64QAM; 256QAM
Band 25	10	QPSK; 16QAM; 64QAM; 256QAM
Band 25	15	QPSK; 16QAM; 64QAM; 256QAM
Band 25	20	QPSK; 16QAM; 64QAM; 256QAM

Table 8.1-2: FCC §2.1033(c)(4) Modulation type – 5G NR operation

Band	Bandwidth (MHz)	Emission type
N25	5	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	10	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	15	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	20	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	25	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	30	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	35	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	40	QPSK; 16QAM; 64QAM; 256QAM;1024QAM
N25	45	QPSK; 16QAM; 64QAM; 256QAM;1024QAM

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 network, 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

Verdict	Pass		
Test date	August 27, 2025	Temperature	22 °C
Test engineer	Lan Sayasane, Sr. EMC Test Engineer	Air pressure	1004.0 mbar
Test location	☐ 10m semi anechoic chamber ☐ 3m semi anechoic chamber ☒ Wireless bench ☐ Other:	Relative humidity	58 %

8.2.3 Observations, settings and special notes

None.

8.2.4 Test data – LTE operation

Table 8.2-1: 99% Occupied bandwidth test results.

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	99% OBW (MHz)
1932.5	QPSK	5	4.504
1962.5	QPSK	5	4.487
1992.5	QPSK	5	4.490
1932.5	16QAM	5	4.499
1962.5	16QAM	5	4.500
1992.5	16QAM	5	4.498
1932.5	64QAM	5	4.496
1962.5	64QAM	5	4.498
1992.5	64QAM	5	4.492
1935	QPSK	10	9.014
1962.5	QPSK	10	8.975
1990	QPSK	10	8.988
1935	16QAM	10	9.010
1962.5	16QAM	10	9.032
1990	16QAM	10	9.013
1935	64QAM	10	8.995
1962.5	64QAM	10	8.967
1935	64QAM	10	8.983
1937.5	QPSK	15	13.442
1962.5	QPSK	15	13.444
1987.5	QPSK	15	13.464
1937.5	16QAM	15	13.459
1962.5	16QAM	15	13.430
1987.5	16QAM	15	13.485
1937.5	64QAM	15	13.461
1962.5	64QAM	15	13.480
1987.5	64QAM	15	13.442
1940	QPSK	20	17.932
1962.5	QPSK	20	17.940
1985	QPSK	20	17.907
1940	16QAM	20	17.954

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	99% OBW (MHz)
1962.5	16QAM	20	17.943
1985	16QAM	20	17.925
1940	64QAM	20	17.925
1962.5	64QAM	20	17.931
1985	64QAM	20	17.932

8.2.5 Test data – 5G NR operation

Table 8.2-2: 99% Occupied bandwidth test results.

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	99% OBW (MHz)
1932.5	QPSK	5	4.486
1962.5	QPSK	5	4.515
1992.5	QPSK	5	4.486
1932.5	16QAM	5	4.501
1962.5	16QAM	5	4.515
1992.5	16QAM	5	4.501
1932.5	64QAM	5	4.486
1962.5	64QAM	5	4.472
1992.5	64QAM	5	4.486
1932.5	256QAM	5	4.472
1962.5	256QAM	5	4.486
1992.5	256QAM	5	4.472
1932.5	1024QAM	5	4.472
1962.5	1024QAM	5	4.486
1992.5	1024QAM	5	4.457
1935	QPSK	10	9.349
1962.5	QPSK	10	9.327
1990	QPSK	10	9.32
1935	16QAM	10	9.262
1962.5	16QAM	10	9.256
1990	16QAM	10	9.233
1935	64QAM	10	9.32
1962.5	64QAM	10	9.314
1935	64QAM	10	9.32
1935	256QAM	10	9.291
1962.5	256QAM	10	9.308
1990	256QAM	10	9.32
1935	1024QAM	10	9.32
1962.5	1024QAM	10	9.294
1990	1024QAM	10	9.32
1937.5	QPSK	15	14.11
1962.5	QPSK	15	14.11
1987.5	QPSK	15	14.11
1937.5	16QAM	15	14.197
1962.5	16QAM	15	14.153
1987.5	16QAM	15	14.153
1937.5	64QAM	15	14.11
1962.5	64QAM	15	14.067
1987.5	64QAM	15	14.11
1937.5	256QAM	15	14.11
1962.5	256QAM	15	14.11
1987.5	256QAM	15	14.067
1937.5	1024QAM	15	14.067
1962.5	1024QAM	15	14.11
1987.5	1024QAM	15	14.067
1940	QPSK	20	18.929
1962.5	QPSK	20	18.954
1985	QPSK	20	18.987
1940	16QAM	20	19.045
1962.5	16QAM	20	19.041

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	99% OBW (MHz)
1985	16QAM	20	19.045
1940	64QAM	20	18.871
1962.5	64QAM	20	18.965
1985	64QAM	20	18.987
1940	256QAM	20	18.987
1962.5	256QAM	20	18.937
1985	256QAM	20	18.987
1940	1024QAM	20	18.871
1962.5	1024QAM	20	18.926
1985	1024QAM	20	18.929
1942.5	QPSK	25	23.734
1962.5	QPSK	25	23.806
1982.5	QPSK	25	23.734
1942.5	16QAM	25	23.806
1962.5	16QAM	25	23.806
1982.5	16QAM	25	23.806
1942.5	64QAM	25	23.734
1962.5	64QAM	25	23.806
1982.5	64QAM	25	23.734
1942.5	256QAM	25	23.661
1962.5	256QAM	25	23.734
1982.5	256QAM	25	23.734
1942.5	1024QAM	25	23.661
1962.5	1024QAM	25	23.734
1982.5	1024QAM	25	23.661
1945	QPSK	30	28.567
1962.5	QPSK	30	28.562
1980	QPSK	30	28.567
1945	16QAM	30	28.48
1962.5	16QAM	30	28.475
1980	16QAM	30	28.48
1945	64QAM	30	28.654
1962.5	64QAM	30	28.6
1980	64QAM	30	28.567
1945	256QAM	30	28.567
1962.5	256QAM	30	28.554
1980	256QAM	30	28.48
1945	1024QAM	30	28.567
1962.5	1024QAM	30	28.576
1980	1024QAM	30	28.567
1947.5	QPSK	35	33.531
1962.5	QPSK	35	33.531
1977.5	QPSK	35	33.531
1947.5	16QAM	35	33.632
1962.5	16QAM	35	33.632
1977.5	16QAM	35	33.632
1947.5	64QAM	35	33.531
1962.5	64QAM	35	33.531
1977.5	64QAM	35	33.531
1947.5	256QAM	35	33.531
1962.5	256QAM	35	33.531
1977.5	256QAM	35	33.531
1947.5	1024QAM	35	33.531
1962.5	1024QAM	35	33.531
1977.5	1024QAM	35	33.632
1950	QPSK	40	38.553
1962.5	QPSK	40	38.54
1975	QPSK	40	38.553
1950	16QAM	40	38.669
1962.5	16QAM	40	38.713
1975	16QAM	40	38.669
1950	64QAM	40	38.437

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	99% OBW (MHz)
1962.5	64QAM	40	38.463
1975	64QAM	40	38.553
1950	256QAM	40	38.553
1962.5	256QAM	40	38.496
1975	256QAM	40	38.553
1950	1024QAM	40	38.553
1962.5	1024QAM	40	38.561
1975	1024QAM	40	38.553
1952.5	QPSK	45	43.111
1962.5	QPSK	45	43.242
1972.5	QPSK	45	43.111
1952.5	16QAM	45	43.242
1962.5	16QAM	45	43.242
1972.5	16QAM	45	43.242
1952.5	64QAM	45	43.111
1962.5	64QAM	45	43.111
1972.5	64QAM	45	43.242
1952.5	256QAM	45	43.242
1962.5	256QAM	45	43.242
1972.5	256QAM	45	43.372
1952.5	1024QAM	45	43.111
1962.5	1024QAM	45	43.111
1972.5	1024QAM	45	43.111

Sample plots below for 1024QAM operation:

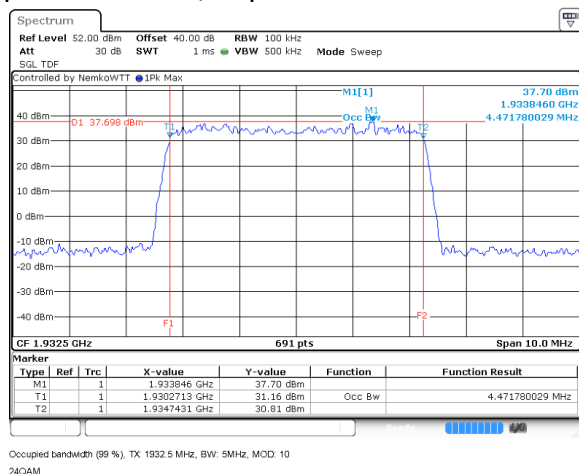


Figure 8.2-1: 99% OBW, Low CH 1932.5 MHz, 5 MHz, 1024QAM.

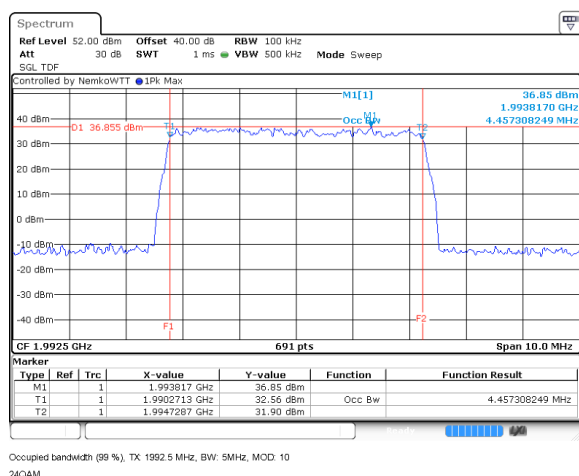


Figure 8.2-3: 99% OBW, High CH 1992.5 MHz, 5 MHz, 1024QAM.

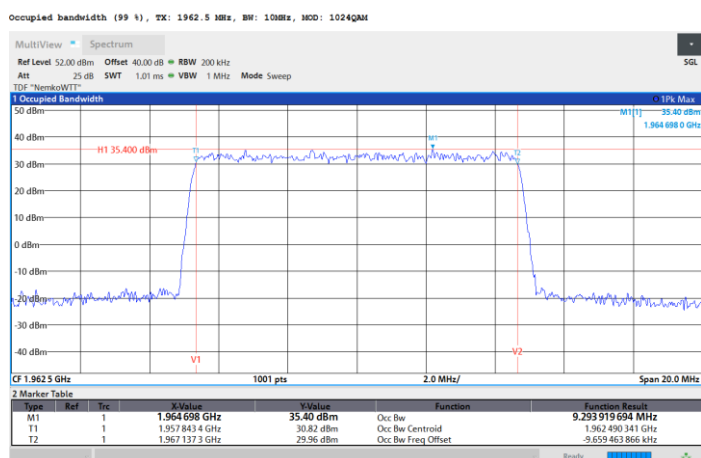


Figure 8.2-5: 99% OBW, Mid CH 1962.5 MHz, 10 MHz, 1024QAM.

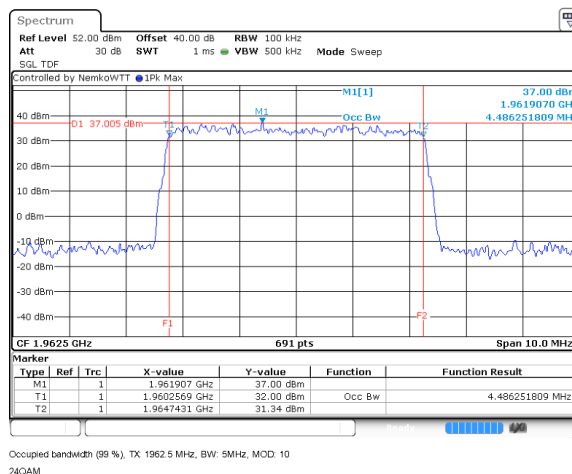


Figure 8.2-2: 99% OBW, Mid CH 1962.5 MHz, 5 MHz, 1024QAM.

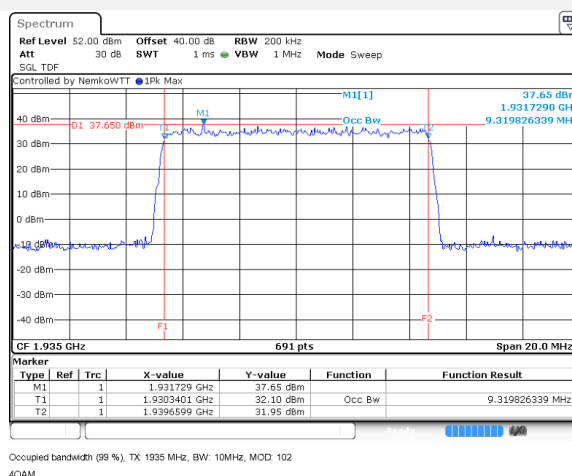


Figure 8.2-4: 99% OBW, Low CH 1935 MHz, 10 MHz, 1024QAM.

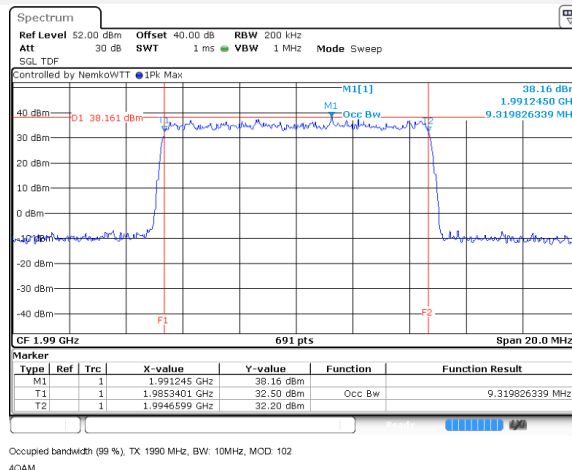


Figure 8.2-6: 99% OBW, High CH 1990 MHz, 10 MHz, 1024QAM.

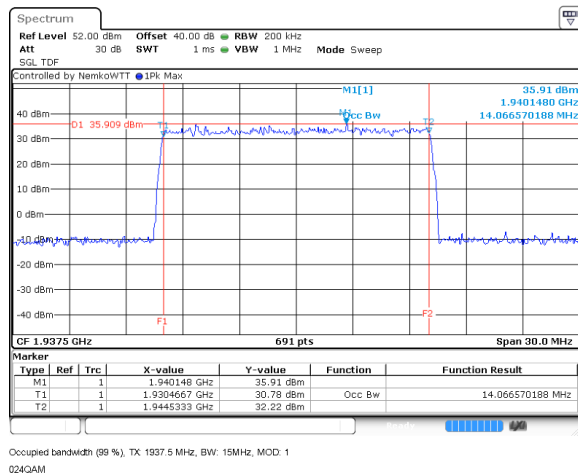


Figure 8.2-7: 99% OBW, Low CH 1937.5 MHz, 15 MHz, 1024QAM.

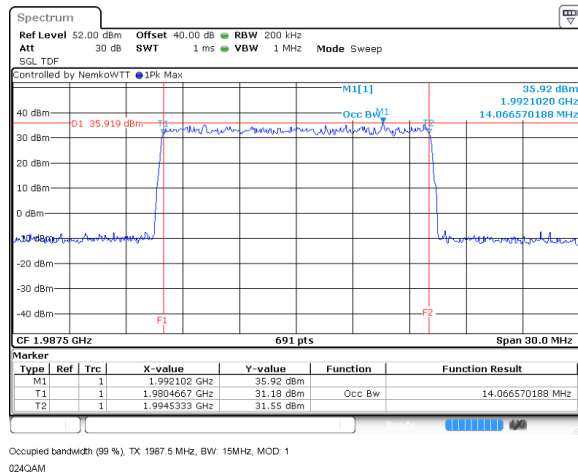


Figure 8.2-9: 99% OBW, High CH 1987.5 MHz, 15 MHz, 1024QAM.

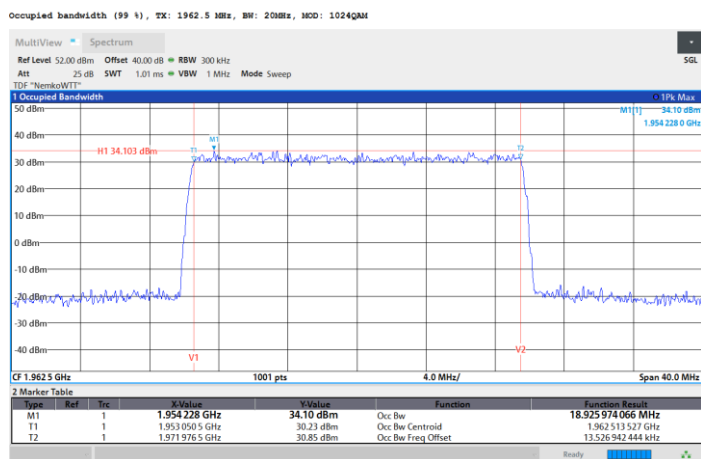


Figure 8.2-11: 99% OBW, Mid CH 1962.5 MHz, 20 MHz, 1024QAM.

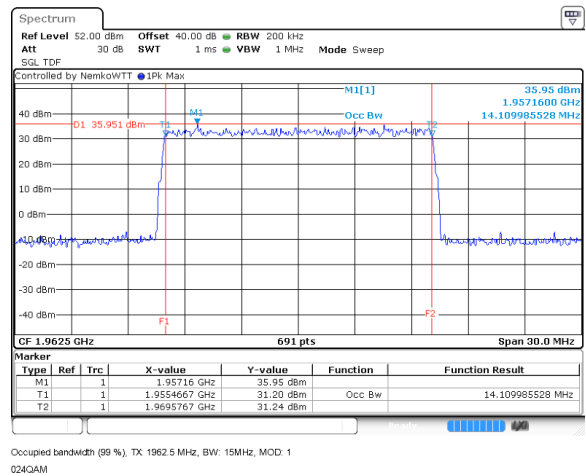


Figure 8.2-8: 99% OBW, Mid CH 1962.5 MHz, 15 MHz, 1024QAM.

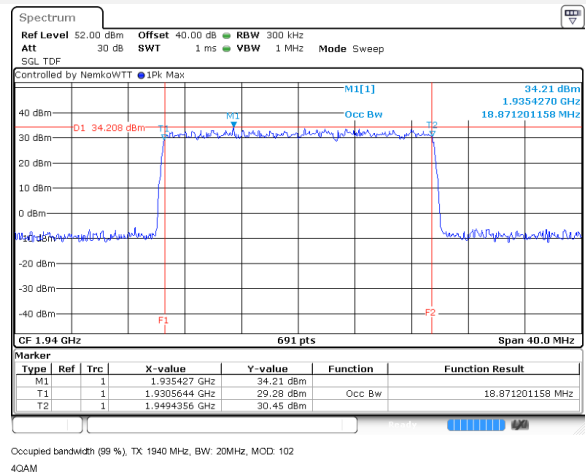


Figure 8.2-10: 99% OBW, Low CH 1940 MHz, 20 MHz, 1024QAM.

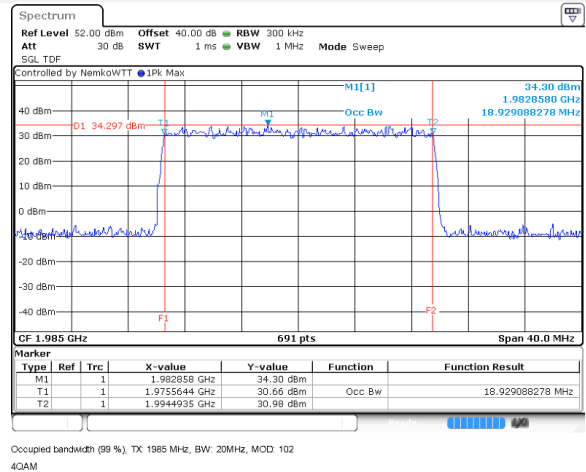


Figure 8.2-12: 99% OBW, High CH 1985 MHz, 20 MHz, 1024QAM.

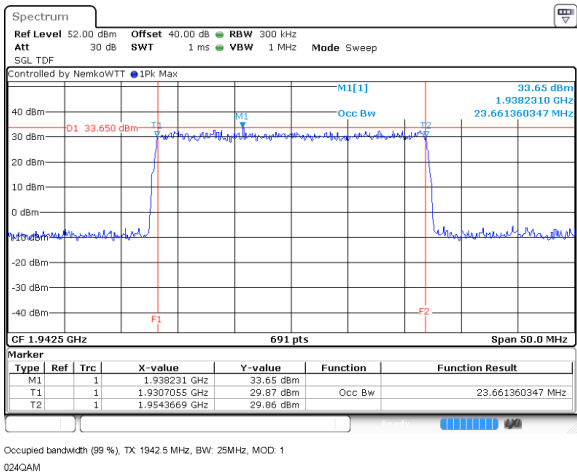


Figure 8.2-13: 99% OBW, Low CH 1942.5 MHz, 25 MHz, 1024QAM.

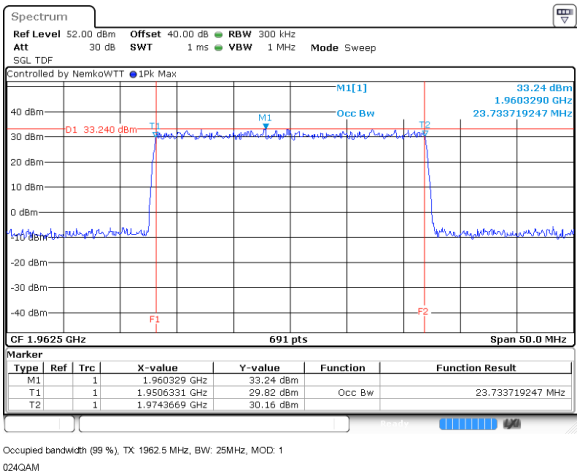


Figure 8.2-14: 99% OBW, Mid CH 1962.5 MHz, 25 MHz, 1024QAM.

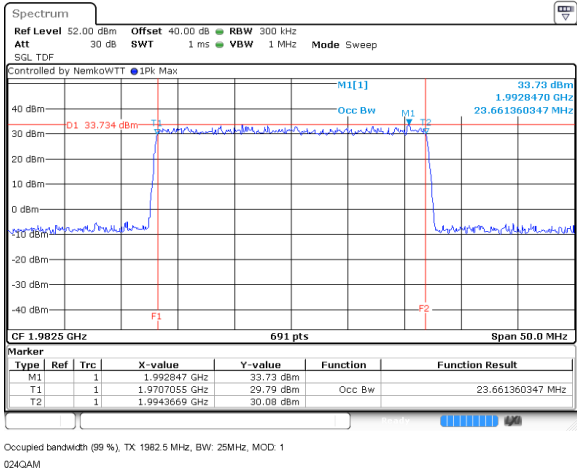


Figure 8.2-15: 99% OBW, High CH 1982.5 MHz, 25 MHz, 1024QAM.

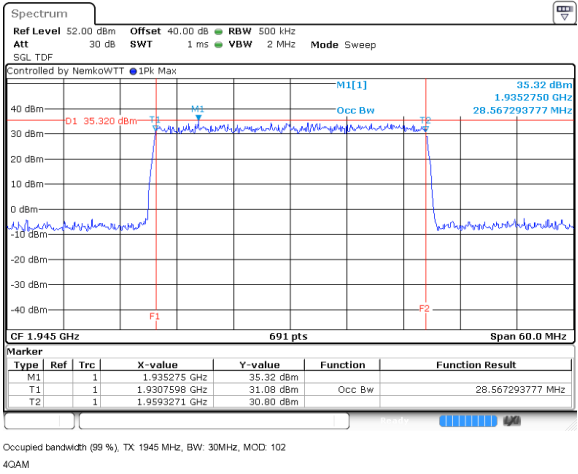


Figure 8.2-16: 99% OBW, Low CH 1945 MHz, 30 MHz, 1024QAM.

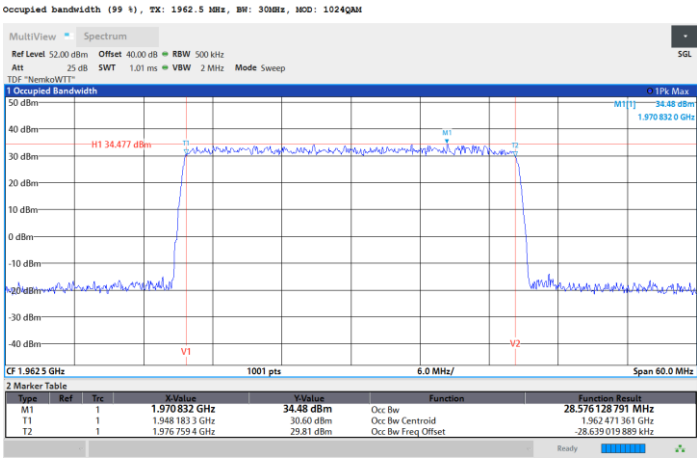


Figure 8.2-17: 99% OBW, Mid CH 1962.5 MHz, 30 MHz, 1024QAM.

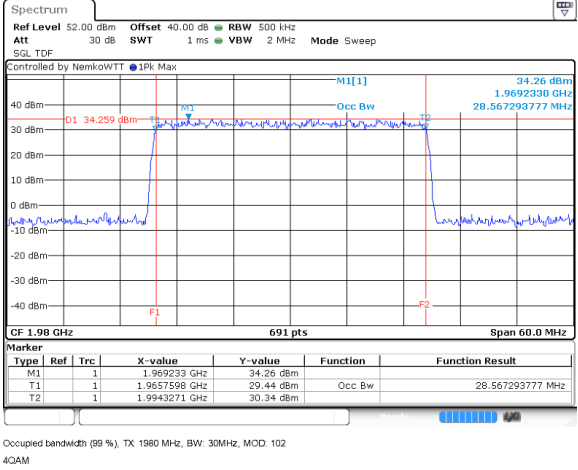


Figure 8.2-18: 99% OBW, High CH 1980 MHz, 30 MHz, 1024QAM.

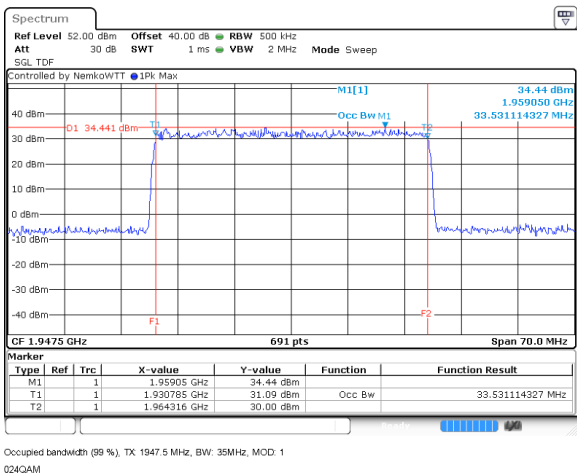


Figure 8.2-19: 99% OBW, Low CH 1947.5 MHz, 35 MHz, 1024QAM.

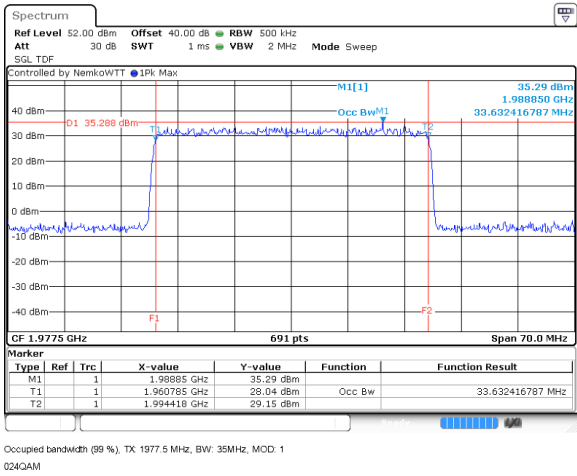


Figure 8.2-21: 99% OBW, High CH 1977.5 MHz, 35 MHz, 1024QAM.

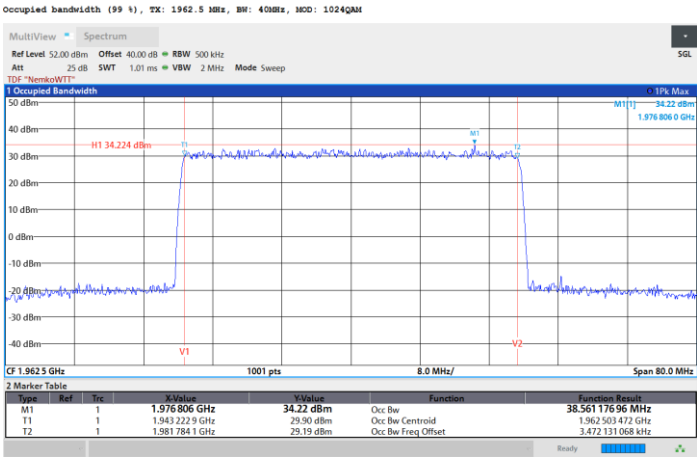


Figure 8.2-23: 99% OBW, Mid CH 1962.5 MHz, 40 MHz, 1024QAM.

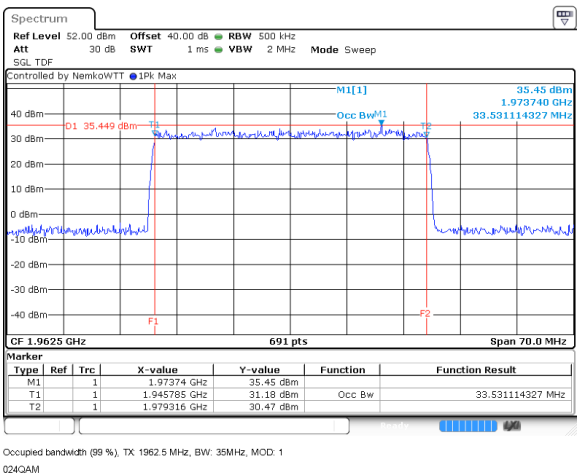


Figure 8.2-20: 99% OBW, Mid CH 1962.5 MHz, 35 MHz, 1024QAM.

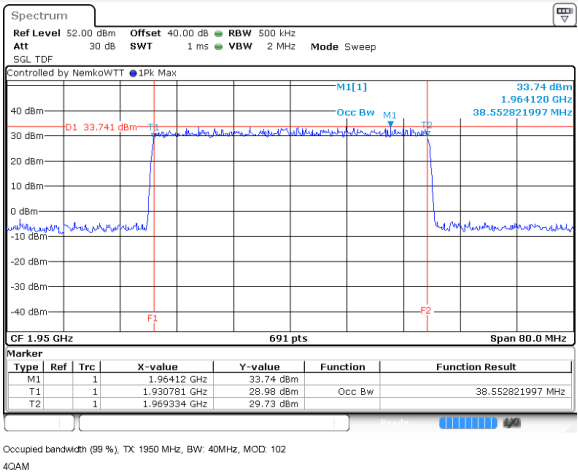


Figure 8.2-22: 99% OBW, Low CH 1950 MHz, 40 MHz, 1024QAM.

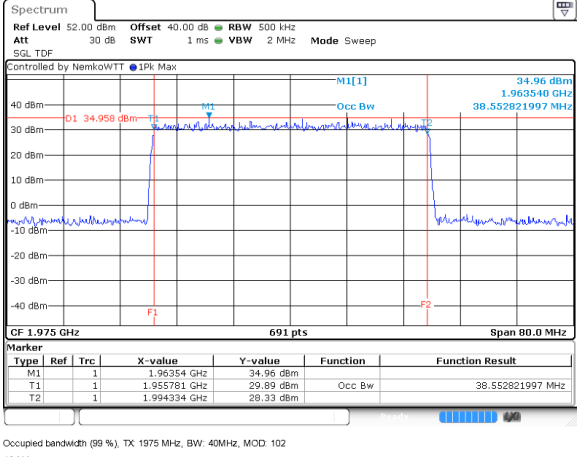


Figure 8.2-24: 99% OBW, High CH 1975 MHz, 40 MHz, 1024QAM.

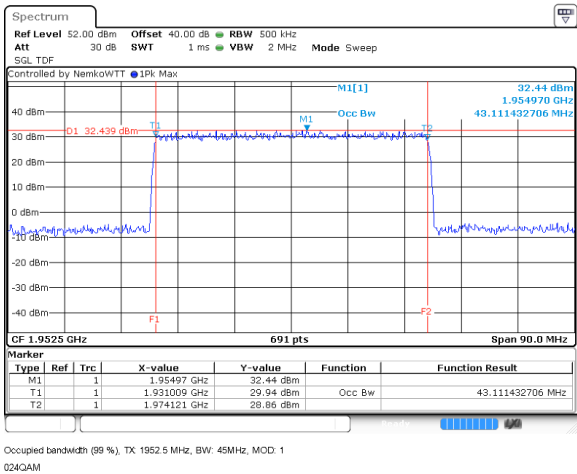


Figure 8.2-25: 99% OBW, Low CH 1952.5 MHz, 45 MHz, 1024QAM.

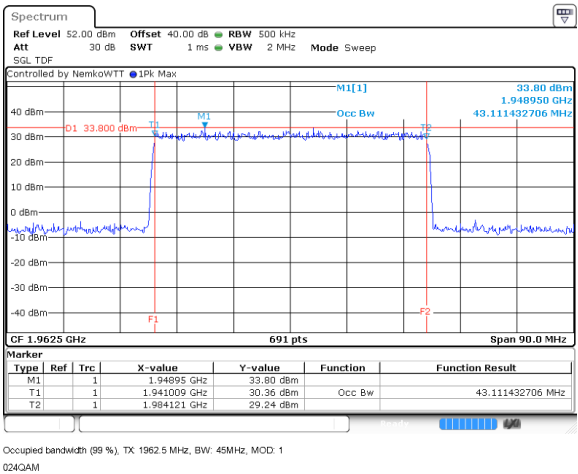


Figure 8.2-26: 99% OBW, Mid CH 1962.5 MHz, 45 MHz, 1024QAM.

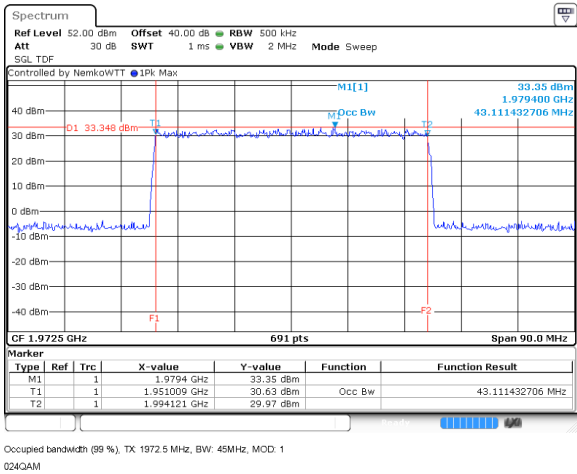


Figure 8.2-27: 99% OBW, High CH 1972.5 MHz, 45 MHz, 1024QAM.

8.3 FCC §24.238 26 dB Occupied Bandwidth

8.3.1 Definitions and limits

(b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). 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 date	August 28, 2025	Temperature	22 °C
Test engineer	Lan Sayasane, EMC Test Engineer	Air pressure	1006.0 mbar
Verdict	Pass	Relative humidity	58 %

8.3.3 Observations, settings and special notes

None

8.3.3 Test data – LTE operation

Table 8.3-1: 26 dB Occupied bandwidth test results.

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	26 dB OBW (MHz)
1932.5	QPSK	5	4.845
1962.5	QPSK	5	4.845
1992.5	QPSK	5	4.830
1932.5	16QAM	5	4.800
1962.5	16QAM	5	4.830
1992.5	16QAM	5	4.830
1932.5	64QAM	5	4.845
1962.5	64QAM	5	4.815
1992.5	64QAM	5	4.830
1935	QPSK	10	9.660
1962.5	QPSK	10	9.630
1990	QPSK	10	9.600
1935	16QAM	10	9.570
1962.5	16QAM	10	9.630
1990	16QAM	10	9.570
1935	64QAM	10	9.570
1962.5	64QAM	10	9.630
1935	64QAM	10	9.660
1937.5	QPSK	15	14.400
1962.5	QPSK	15	14.445
1987.5	QPSK	15	14.445
1937.5	16QAM	15	14.265
1962.5	16QAM	15	14.310
1987.5	16QAM	15	14.535
1937.5	64QAM	15	14.265
1962.5	64QAM	15	14.220
1987.5	64QAM	15	14.445
1940	QPSK	20	19.440
1962.5	QPSK	20	19.200
1985	QPSK	20	19.500
1940	16QAM	20	19.380
1962.5	16QAM	20	19.380
1985	16QAM	20	19.320

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	26 dB OBW (MHz)
1940	64QAM	20	19.200
1962.5	64QAM	20	19.200
1985	64QAM	20	19.444

8.3.4 Test data – 5G NR operation

Table 8.3-2: 26 dB Occupied bandwidth test results.

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	26 dB OBW (MHz)
1932.5	QPSK	5	4.870
1962.5	QPSK	5	4.848
1992.5	QPSK	5	4.848
1932.5	16QAM	5	4.717
1962.5	16QAM	5	4.804
1992.5	16QAM	5	4.804
1932.5	64QAM	5	4.804
1962.5	64QAM	5	4.804
1992.5	64QAM	5	4.804
1932.5	256QAM	5	4.826
1962.5	256QAM	5	4.804
1992.5	256QAM	5	4.804
1932.5	1024QAM	5	4.826
1962.5	1024QAM	5	4.826
1992.5	1024QAM	5	4.761
1935	QPSK	10	9.826
1962.5	QPSK	10	9.870
1990	QPSK	10	9.783
1935	16QAM	10	9.783
1962.5	16QAM	10	9.739
1990	16QAM	10	9.783
1935	64QAM	10	9.783
1962.5	64QAM	10	9.826
1935	64QAM	10	9.870
1935	256QAM	10	9.826
1962.5	256QAM	10	9.783
1990	256QAM	10	9.783
1935	1024QAM	10	9.870
1962.5	1024QAM	10	9.783
1990	1024QAM	10	9.870
1937.5	QPSK	15	14.739
1962.5	QPSK	15	14.804
1987.5	QPSK	15	14.739
1937.5	16QAM	15	14.674
1962.5	16QAM	15	14.674
1987.5	16QAM	15	14.804
1937.5	64QAM	15	14.804
1962.5	64QAM	15	14.674
1987.5	64QAM	15	14.739
1937.5	256QAM	15	14.739
1962.5	256QAM	15	14.674
1987.5	256QAM	15	14.739
1937.5	1024QAM	15	14.804
1962.5	1024QAM	15	14.739
1987.5	1024QAM	15	14.674
1940	QPSK	20	19.739
1962.5	QPSK	20	19.826
1985	QPSK	20	19.739
1940	16QAM	20	19.826

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	26 dB OBW (MHz)
1962.5	16QAM	20	19.739
1985	16QAM	20	19.826
1940	64QAM	20	19.826
1962.5	64QAM	20	19.826
1985	64QAM	20	19.826
1940	256QAM	20	19.739
1962.5	256QAM	20	19.913
1985	256QAM	20	19.739
1940	1024QAM	20	19.739
1962.5	1024QAM	20	19.913
1985	1024QAM	20	19.826
1942.5	QPSK	25	24.674
1962.5	QPSK	25	24.674
1982.5	QPSK	25	24.565
1942.5	16QAM	25	24.674
1962.5	16QAM	25	24.891
1982.5	16QAM	25	24.674
1942.5	64QAM	25	24.783
1962.5	64QAM	25	24.891
1982.5	64QAM	25	24.674
1942.5	256QAM	25	24.674
1962.5	256QAM	25	24.783
1982.5	256QAM	25	24.783
1942.5	1024QAM	25	24.783
1962.5	1024QAM	25	24.674
1982.5	1024QAM	25	24.674
1945	QPSK	30	29.870
1962.5	QPSK	30	29.870
1980	QPSK	30	29.870
1945	16QAM	30	29.870
1962.5	16QAM	30	29.739
1980	16QAM	30	29.870
1945	64QAM	30	29.870
1962.5	64QAM	30	30.000
1980	64QAM	30	29.870
1945	256QAM	30	29.870
1962.5	256QAM	30	29.870
1980	256QAM	30	29.870
1945	1024QAM	30	29.870
1962.5	1024QAM	30	29.870
1980	1024QAM	30	29.870
1947.5	QPSK	35	35.000
1962.5	QPSK	35	34.848
1977.5	QPSK	35	35.000
1947.5	16QAM	35	34.848
1962.5	16QAM	35	34.848
1977.5	16QAM	35	34.848
1947.5	64QAM	35	34.848
1962.5	64QAM	35	35.000
1977.5	64QAM	35	34.848
1947.5	256QAM	35	35.000
1962.5	256QAM	35	34.848
1977.5	256QAM	35	35.000
1947.5	1024QAM	35	35.000
1962.5	1024QAM	35	35.000
1977.5	1024QAM	35	35.000
1950	QPSK	40	40.174
1962.5	QPSK	40	40.000
1975	QPSK	40	40.174
1950	16QAM	40	40.000
1962.5	16QAM	40	40.000
1975	16QAM	40	40.000

Frequency channel (MHz)	Modulation	Occupied Bandwidth Declared (MHz)	26 dB OBW (MHz)
1950	64QAM	40	40.000
1962.5	64QAM	40	39.826
1975	64QAM	40	40.000
1950	256QAM	40	40.000
1962.5	256QAM	40	40.174
1975	256QAM	40	40.000
1950	1024QAM	40	39.826
1962.5	1024QAM	40	40.174
1975	1024QAM	40	40.000
1952.5	QPSK	45	44.804
1962.5	QPSK	45	44.804
1972.5	QPSK	45	44.609
1952.5	16QAM	45	44.609
1962.5	16QAM	45	44.804
1972.5	16QAM	45	44.609
1952.5	64QAM	45	44.804
1962.5	64QAM	45	44.413
1972.5	64QAM	45	44.804
1952.5	256QAM	45	44.804
1962.5	256QAM	45	44.804
1972.5	256QAM	45	44.609
1952.5	1024QAM	45	44.804
1962.5	1024QAM	45	44.804
1972.5	1024QAM	45	44.804

Sample plots below for 1024QAM operation:

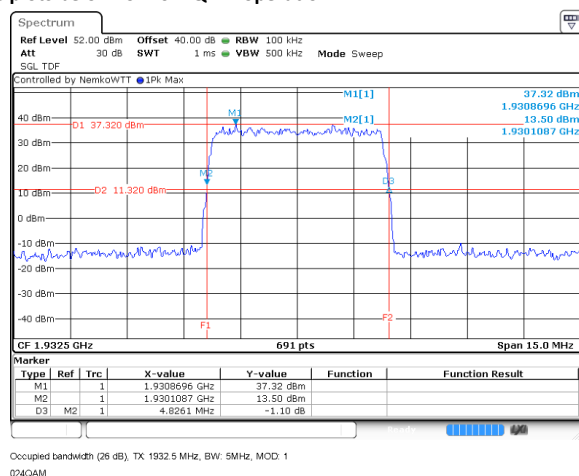


Figure 8.3-1: 26 dB OBW, Low CH 1932.5 MHz, 5 MHz, 1024QAM.

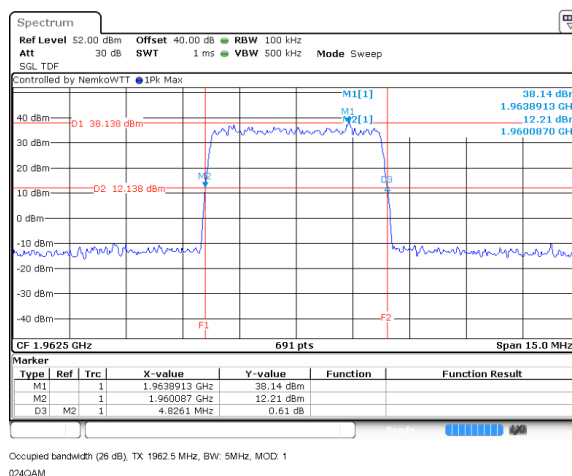


Figure 8.3-2: 26 dB OBW, Mid CH 1962.5 MHz, 5 MHz, 1024QAM.

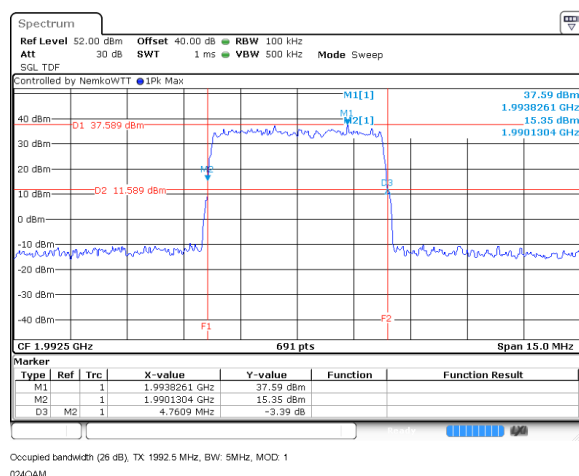


Figure 8.3-3: 26 dB OBW, High CH 1992.5 MHz, 5 MHz, 1024QAM.

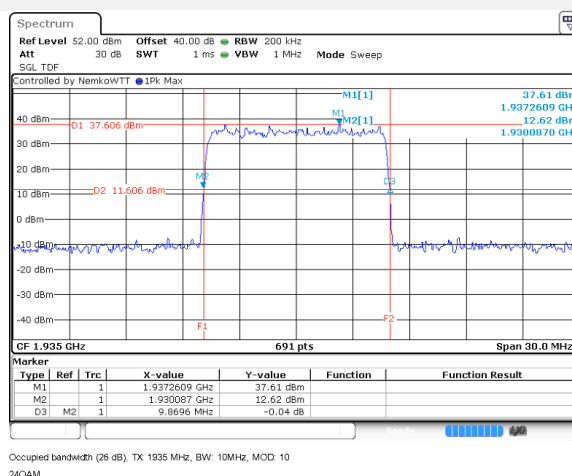


Figure 8.3-4: 26 dB OBW, Low CH 1935 MHz, 10 MHz, 1024QAM.

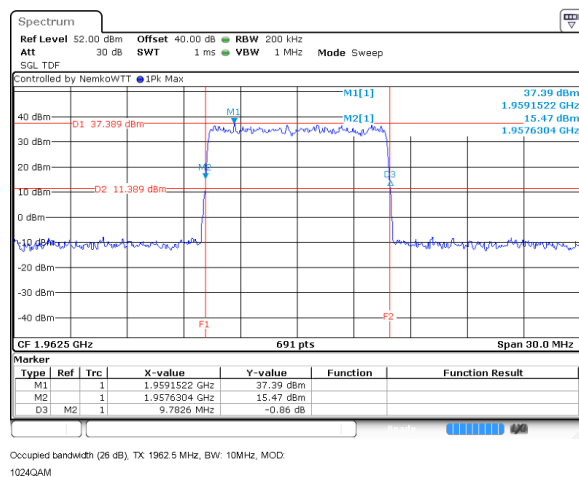


Figure 8.3-4: 26 dB OBW, Mid CH 1962.5 MHz, 10 MHz, 1024QAM.

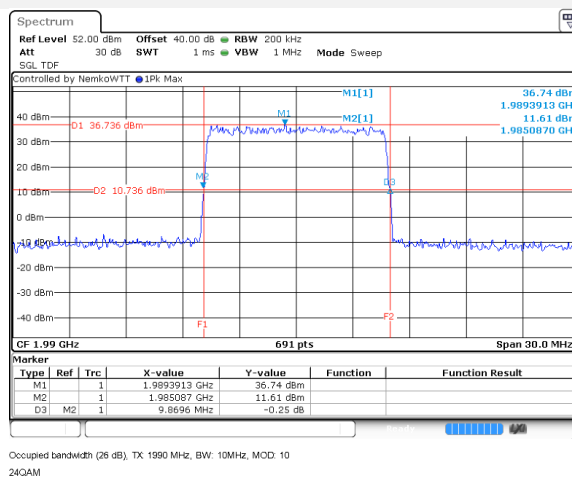
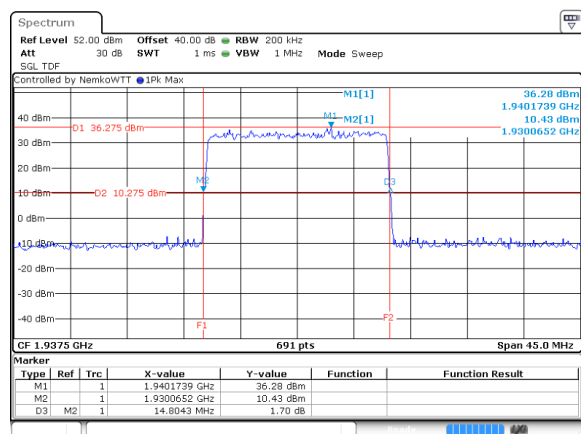
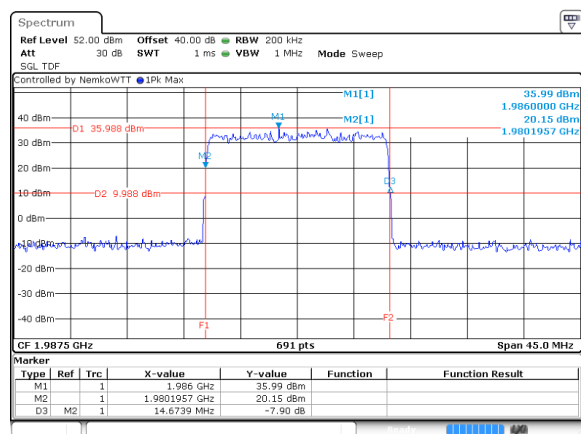


Figure 8.3-5: 26 dB OBW, High CH 1990 MHz, 10 MHz, 1024QAM.



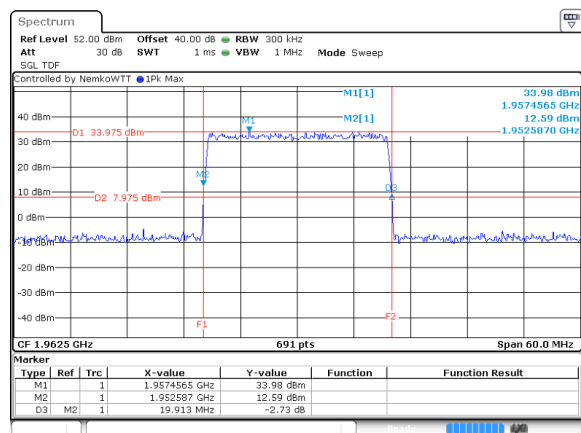
Occupied bandwidth (26 dB), TX: 1937.5 MHz, BW: 15 MHz, MOD: 1024QAM

Figure 8.3-6: 26 dB OBW, Low CH 1937.5 MHz, 15 MHz, 1024QAM.



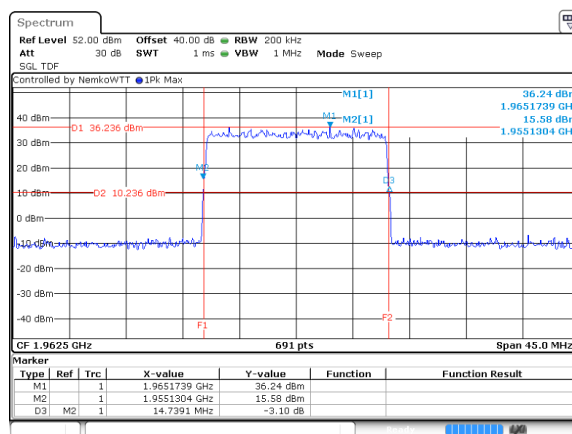
Occupied bandwidth (26 dB), TX: 1987.5 MHz, BW: 15 MHz, MOD: 1024QAM

Figure 8.3-8: 26 dB OBW, High CH 1987.5 MHz, 15 MHz, 1024QAM.



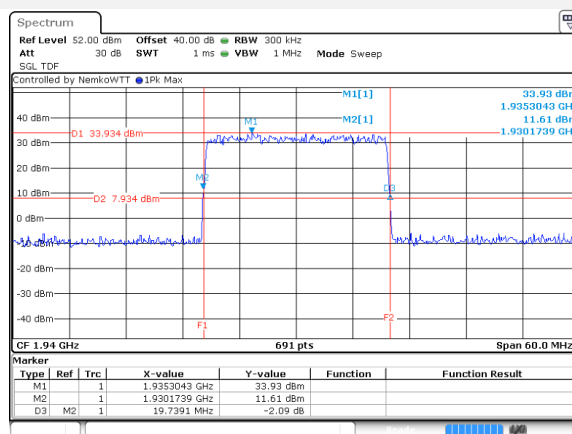
Occupied bandwidth (26 dB), TX: 1962.5 MHz, BW: 20 MHz, MOD: 1024QAM

Figure 8.3-10: 26 dB OBW, Mid CH 1962.5 MHz, 20 MHz, 1024QAM.



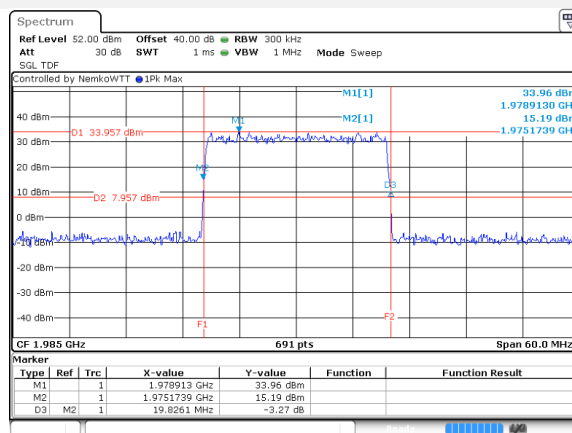
Occupied bandwidth (26 dB), TX: 1962.5 MHz, BW: 15 MHz, MOD: 1024QAM

Figure 8.3-7: 26 dB OBW, Mid CH 1962.5 MHz, 15 MHz, 1024QAM.



Occupied bandwidth (26 dB), TX: 1940 MHz, BW: 20 MHz, MOD: 1024QAM

Figure 8.3-9: 26 dB OBW, Low CH 1940 MHz, 20 MHz, 1024QAM.



Occupied bandwidth (26 dB), TX: 1985 MHz, BW: 20 MHz, MOD: 1024QAM

Figure 8.3-11: 26 dB OBW, High CH 1985 MHz, 20 MHz, 1024QAM.

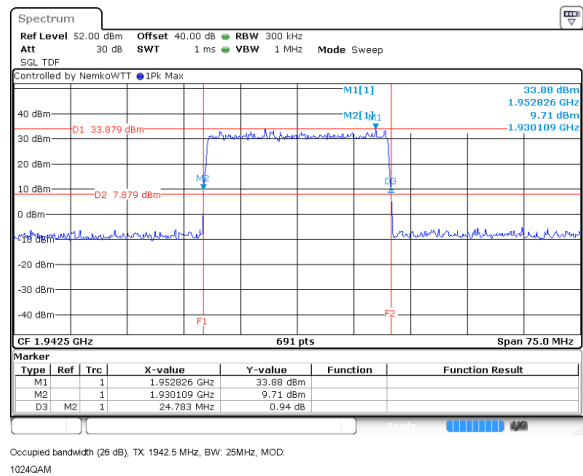


Figure 8.3-12: 26 dB OBW, Low CH 1942.5 MHz, 25 MHz, 1024QAM.

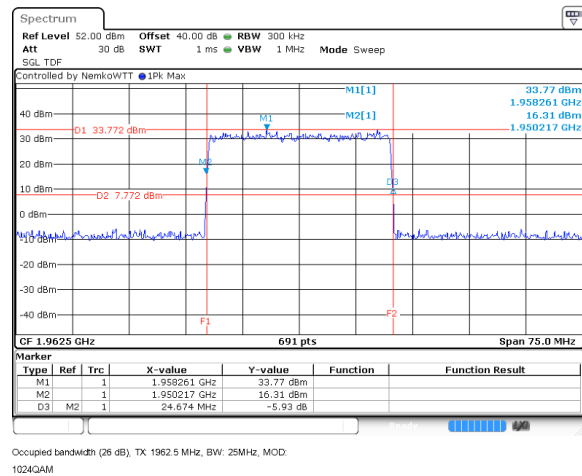


Figure 8.3-13: 26 dB OBW, Mid CH 1962.5 MHz, 25 MHz, 1024QAM.

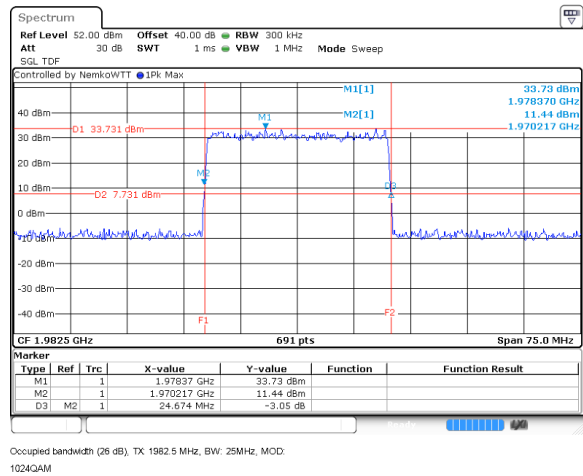


Figure 8.3-14: 26 dB OBW, High CH 1982.5 MHz, 25 MHz, 1024QAM.

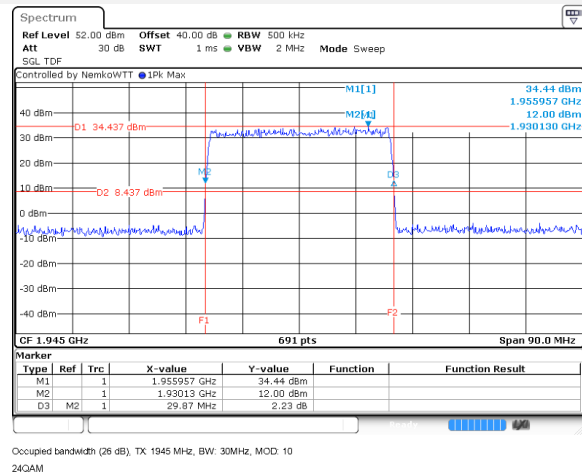


Figure 8.3-15: 26 dB OBW, Low CH 1945 MHz, 30 MHz, 1024QAM.

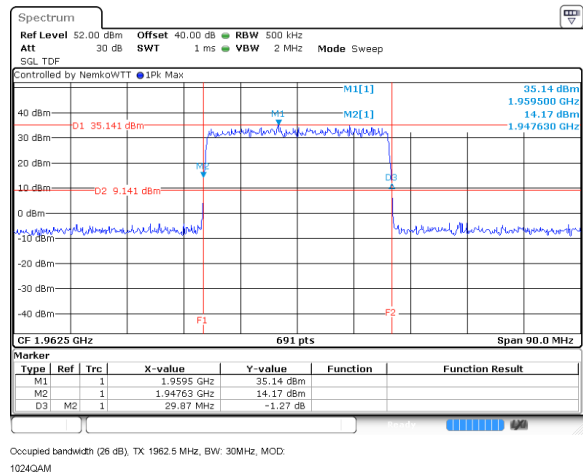


Figure 8.3-16: 26 dB OBW, Mid CH 1962.5 MHz, 30 MHz, 1024QAM.

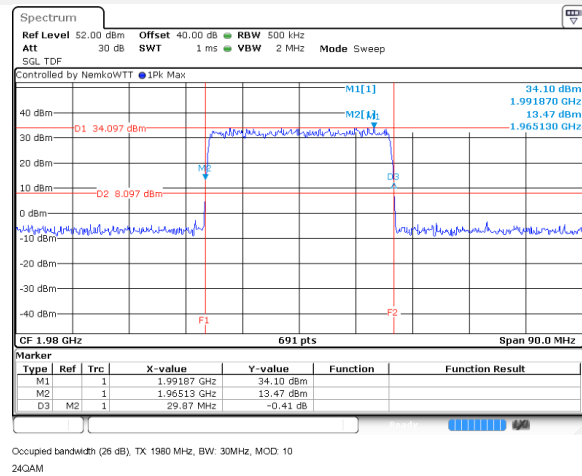


Figure 8.3-17: 26 dB OBW, High CH 1980 MHz, 30 MHz, 1024QAM.

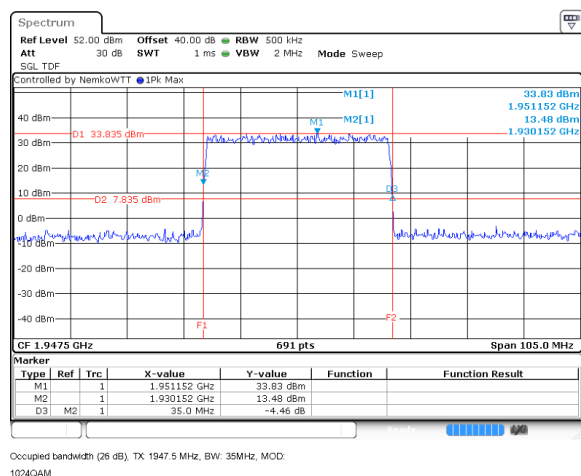


Figure 8.3-18: 26 dB OBW, Low CH 1947.5 MHz, 35 MHz, 1024QAM.

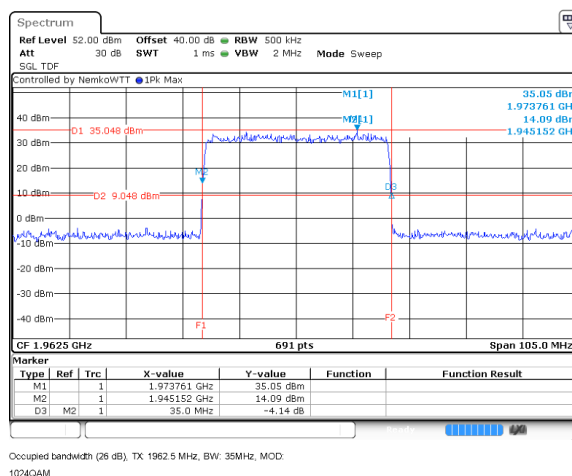


Figure 8.3-19: 26 dB OBW, Mid CH 1962.5 MHz, 35 MHz, 1024QAM.

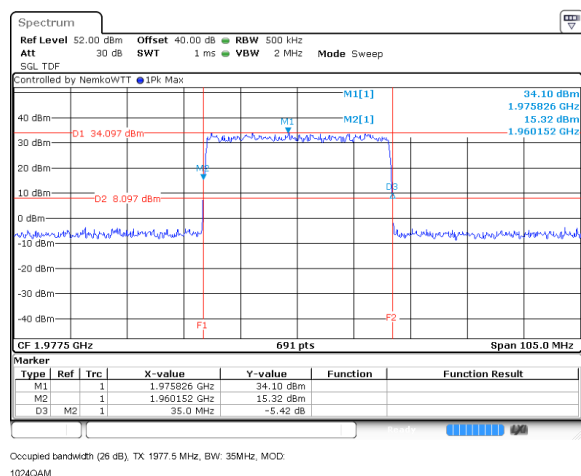


Figure 8.3-20: 26 dB OBW, High CH 1977.5 MHz, 35 MHz, 1024QAM.

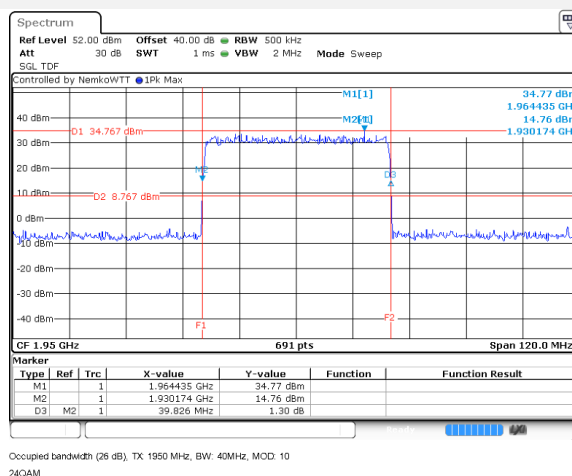


Figure 8.3-21: 26 dB OBW, Low CH 1950 MHz, 40 MHz, 1024QAM.

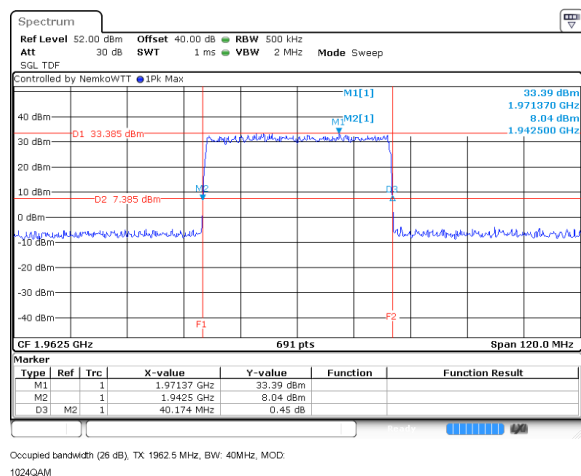


Figure 8.3-22: 26 dB OBW, Mid CH 1962.5 MHz, 40 MHz, 1024QAM.

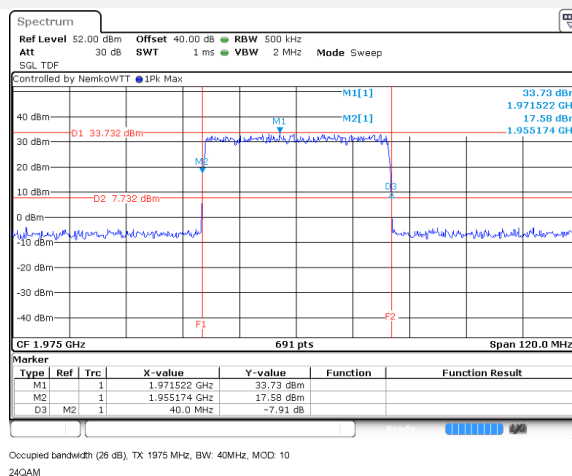


Figure 8.3-23: 26 dB OBW, High CH 1975 MHz, 40 MHz, 1024QAM.

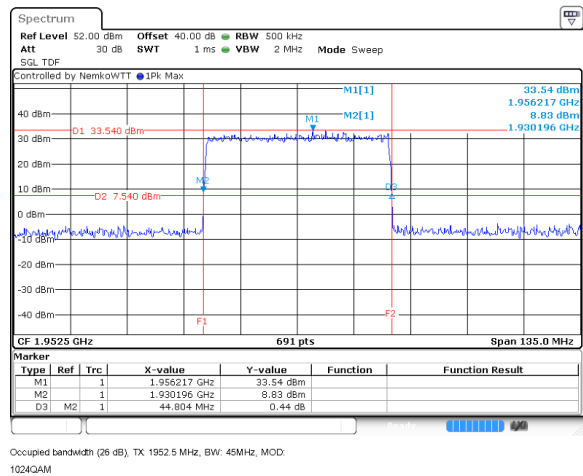


Figure 8.3-24: 26 dB OBW, Low CH 1952.5 MHz, 45 MHz, 1024QAM.

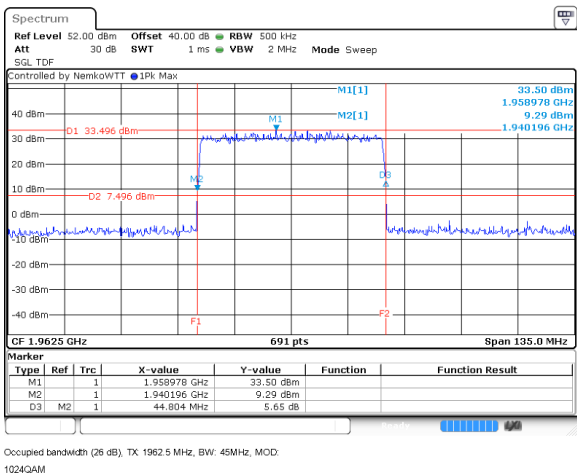


Figure 8.3-25: 26 dB OBW, Mid CH 1962.5 MHz, 45 MHz, 1024QAM.

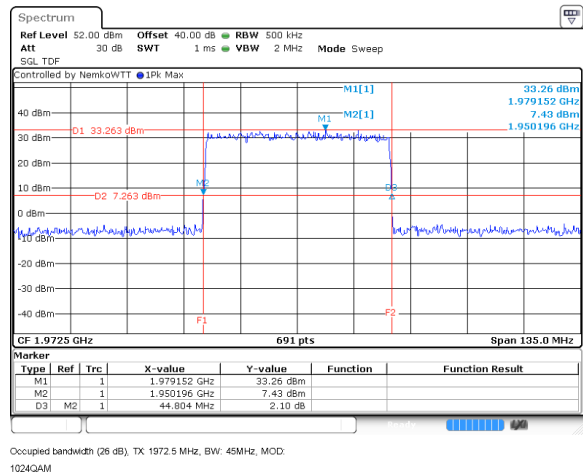


Figure 8.3-26: 26 dB OBW, High CH 1972.5 MHz, 45 MHz, 1024QAM.

8.4 FCC 24.232 Output power

8.4.1 Definitions and limits

(a)

(1) Base stations with an emission bandwidth of 1 MHz or less are limited to 1640 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.

(2) Base stations with an emission bandwidth greater than 1 MHz are limited to 1640 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.

8.4.2 Test summary

Test date	August 27, 2025	Temperature	22 °C
Test engineer	Lan Sayasane, EMC Test Engineer	Air pressure	1004.0 mbar
Verdict	Pass	Relative humidity	58 %

8.4.3 Observations, settings and special notes

EIRP limits are deployment-dependent. To ensure compliance with legal limits, radio setup and carrier configurations are addressed during site commissioning. Reported results reflect maximum rated output power for worst-case emission assessment. EIRP values, based on possible beam configurations, represent worst-case scenarios using ideal antenna parameters. Customer configurations will be limited to comply with the legal limit of 1640 W/MHz during site setup. Non-compliant configurations will be restricted to lower carrier power. Refer to RF exposure report for information regarding maximum permissible antenna gain.

This test was made across the conducted port and using a spectrum analyzer and transmitting at full power. An offset was added via transducer factor to compensate for the losses from the cable and attenuator (40 dB) used.

EUT has four antenna ports which can be transmit at the same time in a correlated way. This correlation permits to make the measurement in one port, getting as a result the total power from the four ports adding a factor calculated from the next equation:

$$\text{Correlation factor} = 10\text{Log}(N)$$

Where N is the number of ports. In this specific case, N = 4,

$$\text{Correlation factor} = 10\text{Log}(4) = 6.02 \text{ dB}$$

To select the measurement port, a quick power test was done. The four ports are similar, however, the port with maximum power was chosen to make all the remaining tests.

Table 8.4-1: Power evaluation per port.

Band	Modulation	OBW	Channel	Power Port A	Power Port B	Power Port C	Power Port D
N25	1024QAM	10 MHz	1962.5 MHz	41.68 dBm	41.80 dBm	41.80 dBm	41.78 dBm

8.4.4 Test data – LTE operation

Table 8.4-2: FCC 24.232 Output power (EIRP) results (for information only)

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1932.5	QPSK	5	43.17	18.00	61.17	6.02	67.19
1962.5	QPSK	5	43.45	18.00	61.45	6.02	67.47
1992.5	QPSK	5	42.97	18.00	60.97	6.02	66.99
1932.5	16QAM	5	42.96	18.00	60.96	6.02	66.98
1962.5	16QAM	5	43.32	18.00	61.32	6.02	67.34
1992.5	16QAM	5	42.78	18.00	60.78	6.02	66.80
1932.5	64QAM	5	42.99	18.00	60.99	6.02	67.01
1962.5	64QAM	5	43.70	18.00	61.70	6.02	67.72
1992.5	64QAM	5	43.19	18.00	61.19	6.02	67.21
1935	QPSK	10	43.33	18.00	61.33	6.02	67.35
1962.5	QPSK	10	43.28	18.00	61.28	6.02	67.30
1990	QPSK	10	42.99	18.00	60.99	6.02	67.01
1935	16QAM	10	43.57	18.00	61.57	6.02	67.59
1962.5	16QAM	10	43.70	18.00	61.70	6.02	67.72
1990	16QAM	10	43.54	18.00	61.54	6.02	67.56
1935	64QAM	10	43.57	18.00	61.57	6.02	67.59
1962.5	64QAM	10	43.35	18.00	61.35	6.02	67.37
1935	64QAM	10	43.24	18.00	61.24	6.02	67.26
1937.5	QPSK	15	43.71	18.00	61.71	6.02	67.73
1962.5	QPSK	15	43.85	18.00	61.85	6.02	67.87
1987.5	QPSK	15	43.21	18.00	61.21	6.02	67.23
1937.5	16QAM	15	41.65	18.00	59.65	6.02	65.67
1962.5	16QAM	15	43.69	18.00	61.69	6.02	67.71
1987.5	16QAM	15	42.79	18.00	60.79	6.02	66.81
1937.5	64QAM	15	43.56	18.00	61.56	6.02	67.58
1962.5	64QAM	15	43.69	18.00	61.69	6.02	67.71
1987.5	64QAM	15	41.38	18.00	59.38	6.02	65.40
1940	QPSK	20	43.69	18.00	61.69	6.02	67.71
1962.5	QPSK	20	43.72	18.00	61.72	6.02	67.74
1985	QPSK	20	43.52	18.00	61.52	6.02	67.54
1940	16QAM	20	43.33	18.00	61.33	6.02	67.35
1962.5	16QAM	20	41.02	18.00	59.02	6.02	65.04
1985	16QAM	20	42.85	18.00	60.85	6.02	66.87
1940	64QAM	20	43.68	18.00	61.68	6.02	67.70
1962.5	64QAM	20	43.33	18.00	61.33	6.02	67.35
1985	64QAM	20	43.58	18.00	61.58	6.02	67.60

Table 8.4-3: FCC 24.232 Output power density results

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1932.5	QPSK	5	37.42	18.00	55.42	6.02	61.44	1393.16
1962.5	QPSK	5	37.02	18.00	55.02	6.02	61.04	1270.57
1992.5	QPSK	5	37.27	18.00	55.27	6.02	61.29	1345.86
1932.5	16QAM	5	34.43	18.00	52.43	6.02	58.45	699.84
1962.5	16QAM	5	35.58	18.00	53.58	6.02	59.60	912.01
1992.5	16QAM	5	37.83	18.00	55.83	6.02	61.85	1531.09
1932.5	64QAM	5	37.84	18.00	55.84	6.02	61.86	1534.62
1962.5	64QAM	5	38.06	18.00	56.06	6.02	62.08	1614.36
1992.5	64QAM	5	37.49	18.00	55.49	6.02	61.51	1415.79
1935	QPSK	10	34.87	18.00	52.87	6.02	58.89	774.46
1962.5	QPSK	10	34.84	18.00	52.84	6.02	58.86	769.13
1990	QPSK	10	34.49	18.00	52.49	6.02	58.51	709.58
1935	16QAM	10	35.52	18.00	53.52	6.02	59.54	899.50
1962.5	16QAM	10	35.45	18.00	53.45	6.02	59.47	885.12
1990	16QAM	10	35.69	18.00	53.69	6.02	59.71	935.41
1935	64QAM	10	34.77	18.00	52.77	6.02	58.79	756.83
1962.5	64QAM	10	32.10	18.00	50.10	6.02	56.12	409.26
1935	64QAM	10	34.66	18.00	52.66	6.02	58.68	737.90
1937.5	QPSK	15	32.77	18.00	50.77	6.02	56.79	477.53
1962.5	QPSK	15	33.96	18.00	51.96	6.02	57.98	628.06
1987.5	QPSK	15	33.08	18.00	51.08	6.02	57.10	512.86
1937.5	16QAM	15	33.48	18.00	51.48	6.02	57.50	562.34
1962.5	16QAM	15	33.52	18.00	51.52	6.02	57.54	567.54

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1987.5	16QAM	15	33.53	18.00	51.53	6.02	57.55	568.85
1937.5	64QAM	15	33.10	18.00	51.10	6.02	57.12	515.23
1962.5	64QAM	15	33.17	18.00	51.17	6.02	57.19	523.60
1987.5	64QAM	15	32.45	18.00	50.45	6.02	56.47	443.61
1940	QPSK	20	32.34	18.00	50.34	6.02	56.36	432.51
1962.5	QPSK	20	32.06	18.00	50.06	6.02	56.08	405.51
1985	QPSK	20	31.67	18.00	49.67	6.02	55.69	370.68
1940	16QAM	20	29.46	18.00	47.46	6.02	53.48	222.84
1962.5	16QAM	20	32.06	18.00	50.06	6.02	56.08	405.51
1985	16QAM	20	32.40	18.00	50.40	6.02	56.42	438.53
1940	64QAM	20	31.28	18.00	49.28	6.02	55.30	338.84
1962.5	64QAM	20	30.12	18.00	48.12	6.02	54.14	259.42
1985	64QAM	20	31.85	18.00	49.85	6.02	55.87	386.37

Sample plots; EIRP density, 64QAM:

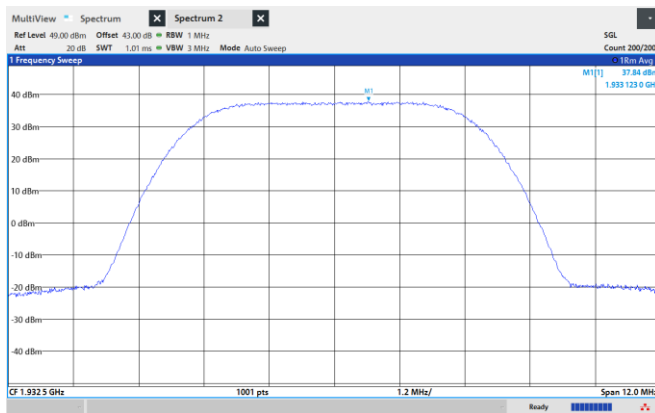


Figure 8.4-1: 64QAM, 5 MHz BW, 1932.5 MHz

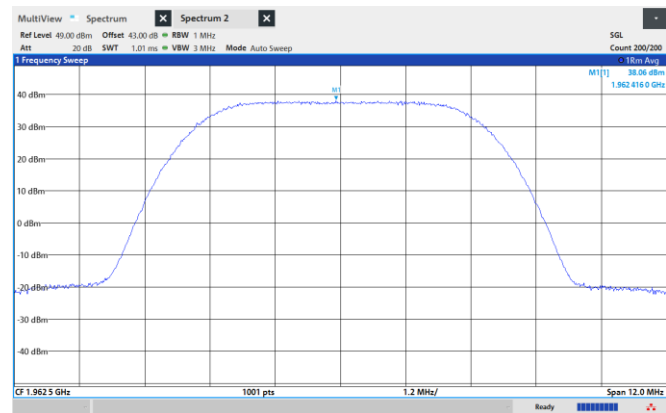


Figure 8.4-2: 64QAM, 5 MHz BW, 1962.5 MHz

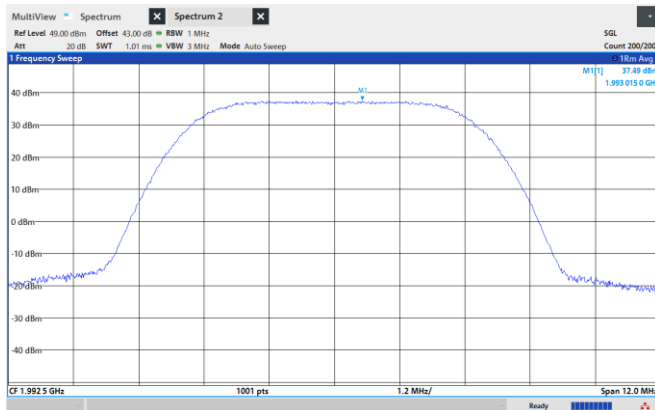


Figure 8.4-3: 64QAM, 5 MHz BW, 1992.5 MHz

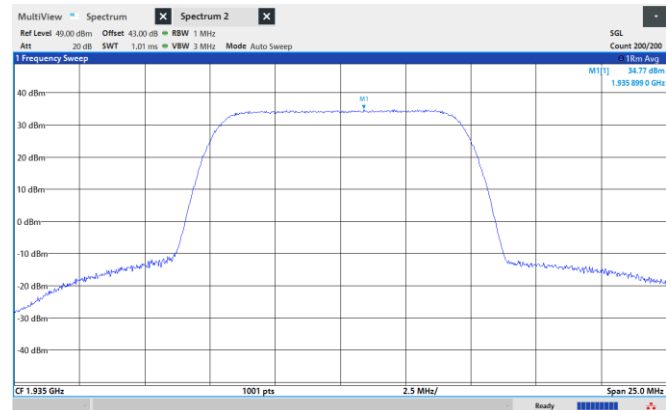


Figure 8.4-4: 64QAM, 10 MHz BW, 1935 MHz

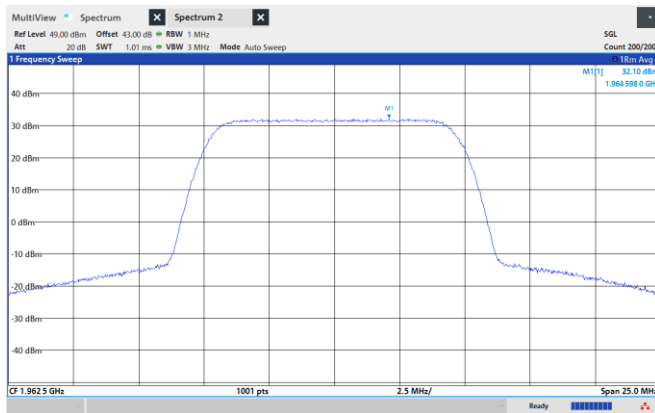


Figure 8.4-5: 64QAM, 10 MHz BW, 1962.5 MHz

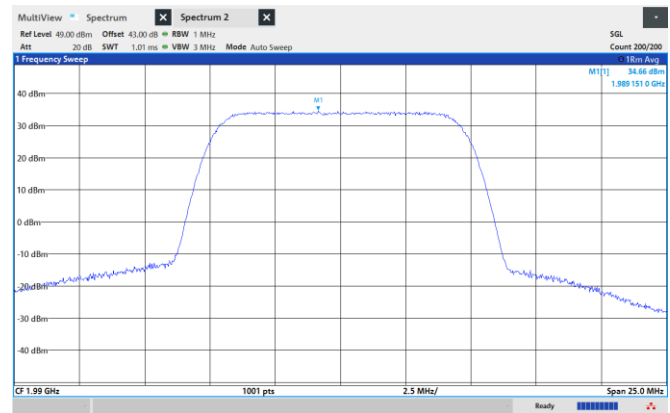


Figure 8.4-6: 64QAM, 10 MHz BW, 1990 MHz

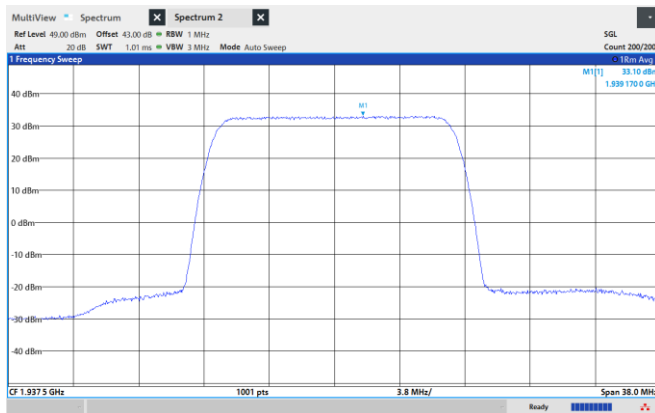


Figure 8.4-7: 64QAM, 15 MHz BW, 1937.5 MHz

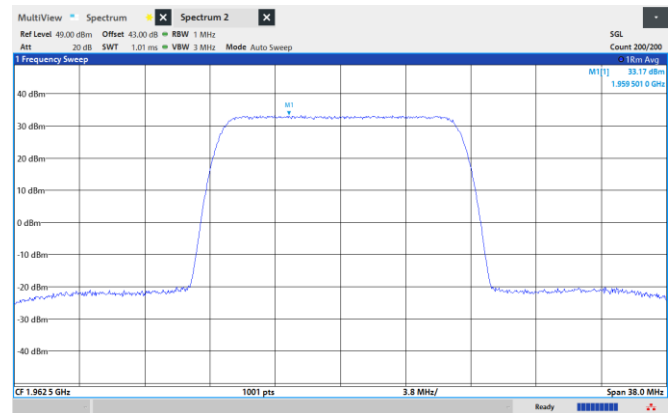


Figure 8.4-8: 64QAM, 15 MHz BW, 1962.5 MHz

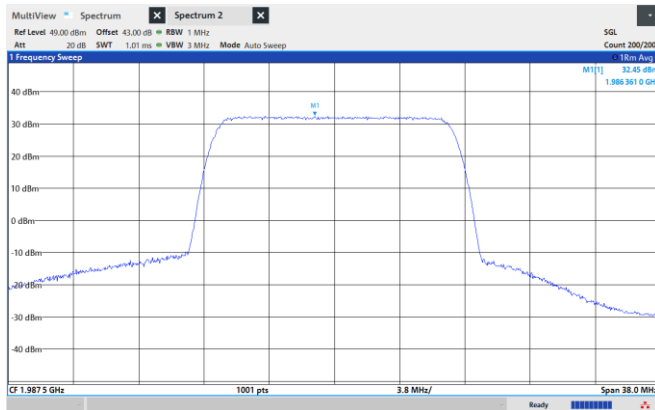


Figure 8.4-9: 64QAM, 15 MHz BW, 1987.5 MHz

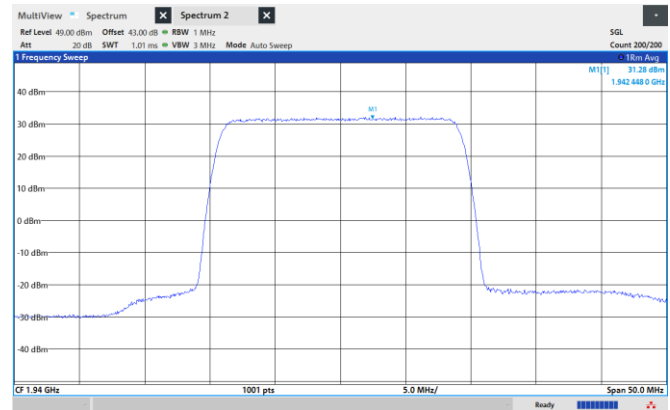


Figure 8.4-10: 64QAM, 20 MHz BW, 1940 MHz

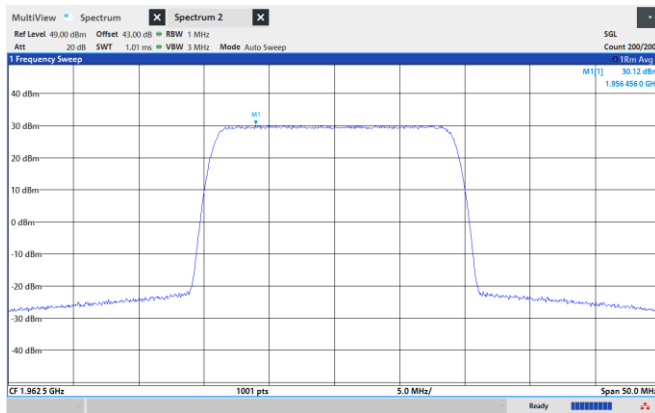


Figure 8.4-11: 64QAM, 20 MHz BW, 1962.5 MHz

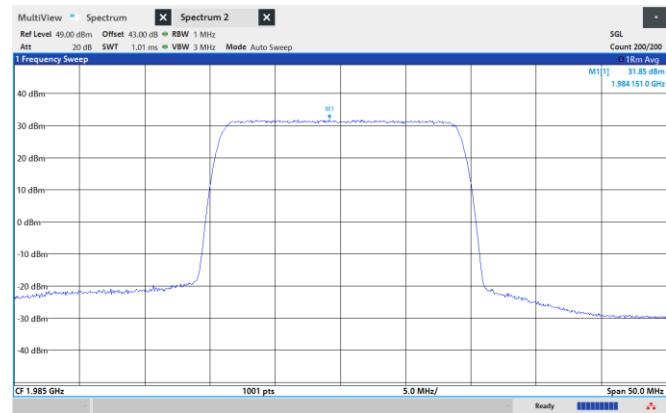


Figure 8.4-12: 64QAM, 20 MHz BW, 1985 MHz

8.4.5 Test data – LTE multi-carrier operation

LTE multi-carrier operation was verified in the following operational modes:

Table 8.4-4: LTE multi-carrier operating modes

Scenario	# Carrier	Bandwidth (MHz)	F1 (DL MHz)	F2 (DL MHz)	F3 (DL MHz)	Comments
1	2	5/5	1932.5	1937.5	N/A	QPSK modulation, 2 contiguous carriers at lowest channels
2	2	5/5	1987.5	1992.5	N/A	QPSK modulation, 2 contiguous carriers at highest channels
3	2	5/5	1932.5	1992.5	N/A	QPSK modulation, 2 non-contiguous carriers; one at lowest channel, one at highest channel
4	3	5/5/5	1932.5	1937.5	1942.5	QPSK modulation, 3 contiguous carriers at lowest channels
5	3	5/5/5	1932.5	1962.5	1992.5	QPSK modulation, 3 non-contiguous channels; one at lowest channel, one at middle channel, one at highest channel

(5 MHz channel bandwidth selected to maximize the power spectral density)

Table 8.4-5: Scenario 1 – Total channel power / EIRP

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1935.0	QPSK	5/5	39.16	18.00	57.16	6.02	63.18

Table 8.4-6: Scenario 1 – Power spectral density

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1935.0	QPSK	5/5	25.56	18.00	43.56	6.02	49.58	90.6

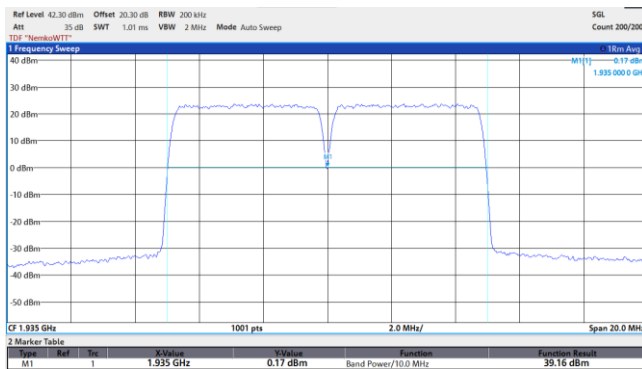


Figure 8.4-13: Scenario 1 – Total channel power / power spectral density

Table 8.4-7: Scenario 2 – Total channel power / EIRP

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1990.0	QPSK	5/5	38.05	18.00	56.05	6.02	62.07

Table 8.4-8: Scenario 2 – Power spectral density

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1990.0	QPSK	5/5	23.18	18.00	41.18	6.02	47.20	52.48

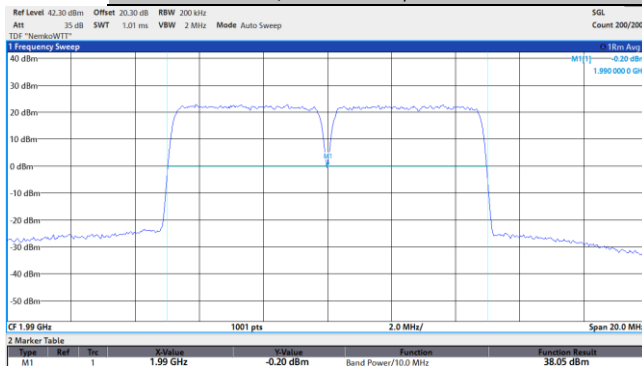


Figure 8.4-14: Scenario 2 – Total channel power / power spectral density

Table 8.4-9: Scenario 3 – Total channel power / EIRP

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1932.5	QPSK	5	35.92	18.00	57.52	6.02	63.54
1992.5	QPSK	5	36.04	18.00	54.04	6.02	60.06

Table 8.4-10: Scenario 3 – Power spectral density

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1932.5	QPSK	5	25.20	18.00	43.20	6.02	49.22	83.9
1992.5	QPSK	5	25.41	18.00	43.41	6.02	49.43	87.7

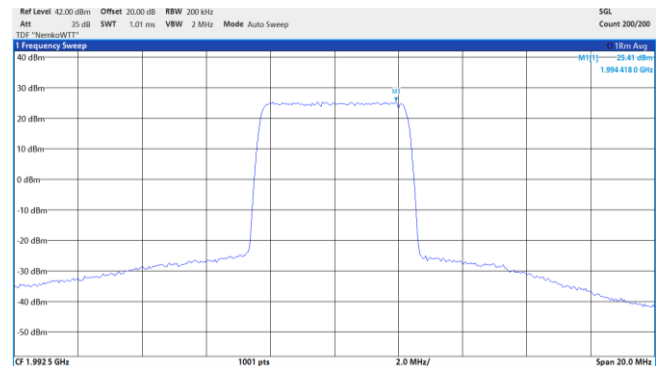
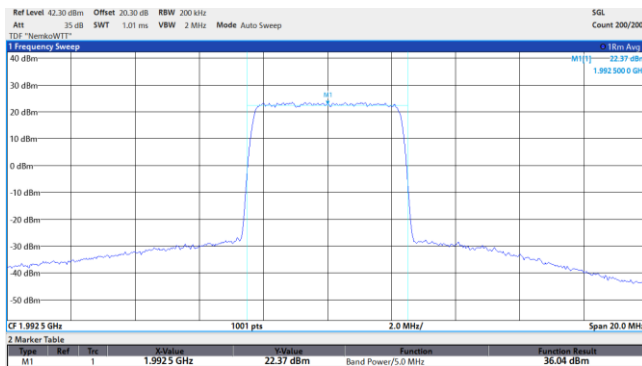
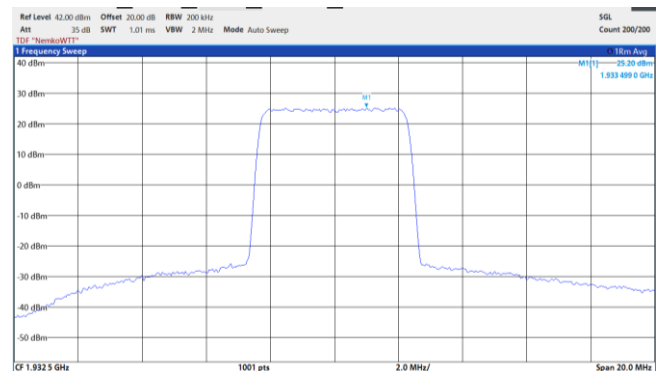
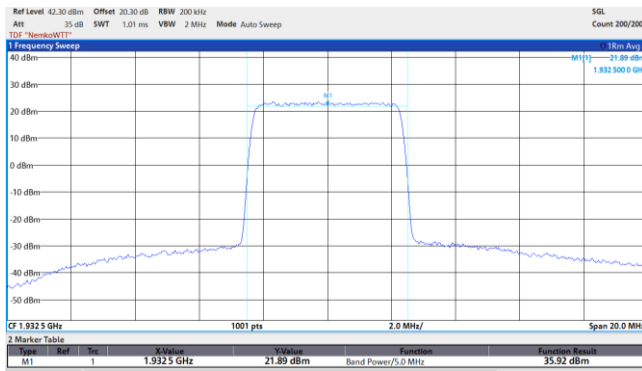


Figure 8.4-15: Scenario 3 – Total channel power / power spectral density

Table 8.4-11: Scenario 4 – Total channel power / EIRP

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1937.5	QPSK	5/5/5	38.50	18.00	56.50	6.02	62.52

Table 8.4-12: Scenario 4 – Power spectral density

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1937.5	QPSK	5/5/5	24.07	18.00	42.07	6.02	49.09	81.0

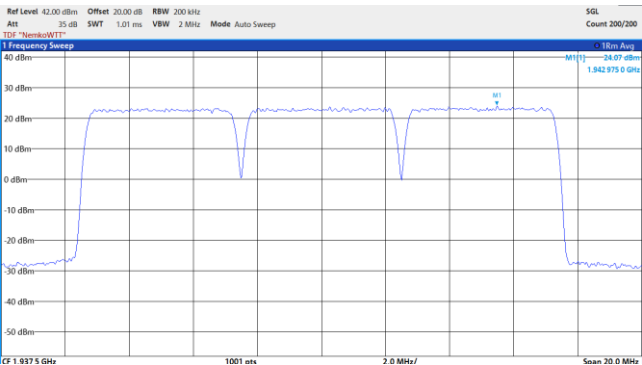
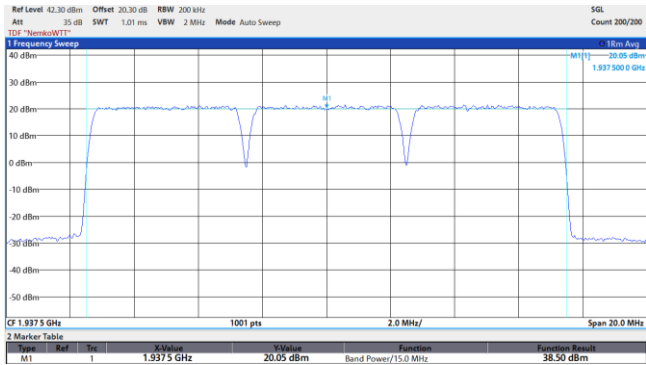


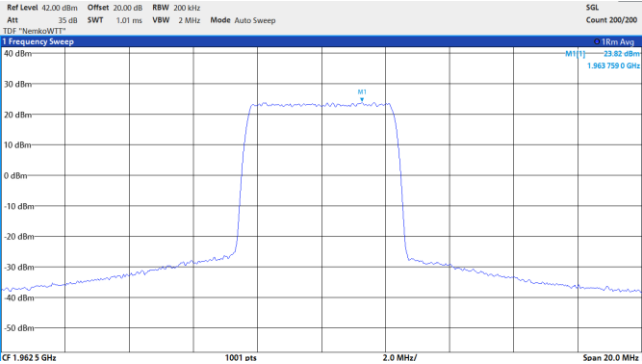
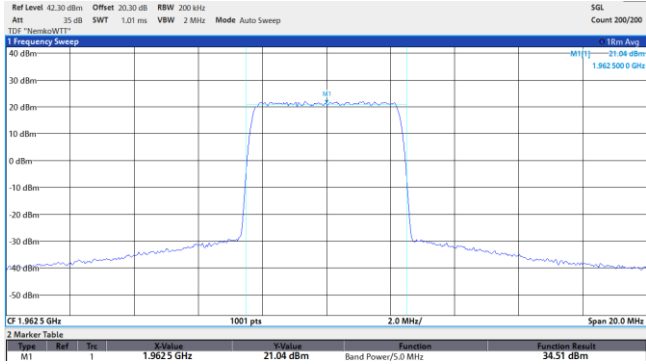
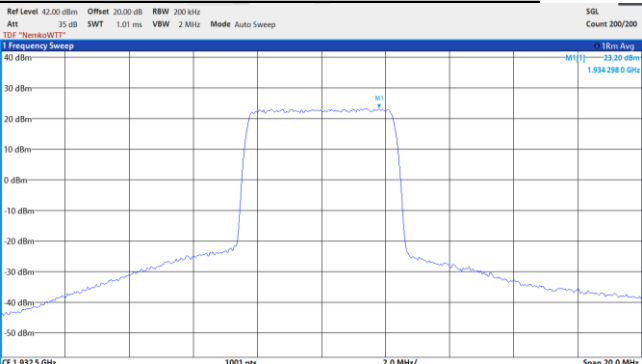
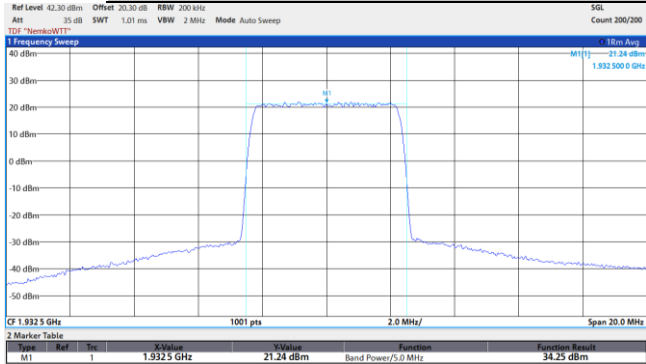
Figure 8.4-16: Scenario 4 – Total channel power / power spectral density

Table 8.4-13: Scenario 5 – Total channel power / EIRP

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1932.5	QPSK	5	34.25	18.00	52.25	6.02	58.27
1962.5	QPSK	5	34.51	18.00	52.51	6.02	58.53
1992.5	QPSK	5	34.35	18.00	52.35	6.02	58.37

Table 8.4-14: Scenario 5 – Power spectral density

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1932.5	QPSK	5	23.20	18.00	41.20	6.02	47.22	52.8
1962.5	QPSK	5	23.82	18.00	41.82	6.02	47.84	60.8
1992.5	QPSK	5	23.75	18.00	41.75	6.02	47.77	59.9



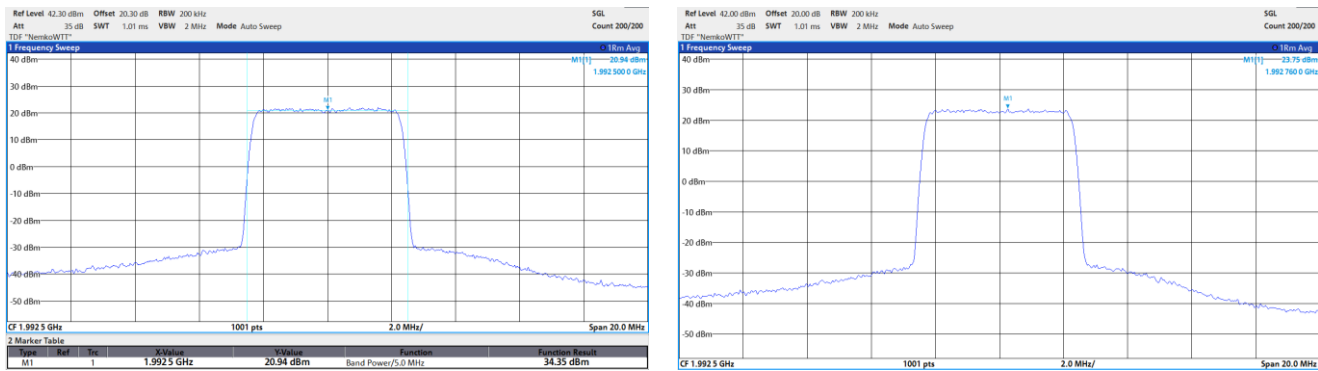


Figure 8.4-17: Scenario 5 – Total channel power / power spectral density

8.4.6 Test data – 5G NR operation

Table 8.4-15: FCC 24.232 Output power (EIRP) results (for information only)

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1932.5	QPSK	5	43.55	18.00	61.55	6.02	67.57
1962.5	QPSK	5	43.98	18.00	61.98	6.02	68.00
1992.5	QPSK	5	43.53	18.00	61.53	6.02	67.55
1932.5	16QAM	5	43.52	18.00	61.52	6.02	67.54
1962.5	16QAM	5	43.85	18.00	61.85	6.02	67.87
1992.5	16QAM	5	43.45	18.00	61.45	6.02	67.47
1932.5	64QAM	5	43.42	18.00	61.42	6.02	67.44
1962.5	64QAM	5	43.87	18.00	61.87	6.02	67.89
1992.5	64QAM	5	43.49	18.00	61.49	6.02	67.51
1932.5	256QAM	5	43.31	18.00	61.31	6.02	67.33
1962.5	256QAM	5	43.79	18.00	61.79	6.02	67.81
1992.5	256QAM	5	43.41	18.00	61.41	6.02	67.43
1932.5	1024QAM	5	43.51	18.00	61.51	6.02	67.53
1962.5	1024QAM	5	43.87	18.00	61.87	6.02	67.89
1992.5	1024QAM	5	43.5	18.00	61.50	6.02	67.52
1935	QPSK	10	43.67	18.00	61.67	6.02	67.69
1962.5	QPSK	10	43.99	18.00	61.99	6.02	68.01
1990	QPSK	10	43.42	18.00	61.42	6.02	67.44
1935	16QAM	10	43.57	18.00	61.57	6.02	67.59
1962.5	16QAM	10	43.81	18.00	61.81	6.02	67.83
1990	16QAM	10	43.71	18.00	61.71	6.02	67.73
1935	64QAM	10	43.57	18.00	61.57	6.02	67.59
1962.5	64QAM	10	43.94	18.00	61.94	6.02	67.96
1935	64QAM	10	43.69	18.00	61.69	6.02	67.71
1935	256QAM	10	43.53	18.00	61.53	6.02	67.55
1962.5	256QAM	10	43.91	18.00	61.91	6.02	67.93
1990	256QAM	10	43.58	18.00	61.58	6.02	67.60
1935	1024QAM	10	43.61	18.00	61.61	6.02	67.63
1962.5	1024QAM	10	44.04	18.00	62.04	6.02	68.06
1990	1024QAM	10	43.67	18.00	61.67	6.02	67.69
1937.5	QPSK	15	43.60	18.00	61.60	6.02	67.62
1962.5	QPSK	15	43.77	18.00	61.77	6.02	67.79
1987.5	QPSK	15	43.7	18.00	61.70	6.02	67.72
1937.5	16QAM	15	43.55	18.00	61.55	6.02	67.57
1962.5	16QAM	15	43.72	18.00	61.72	6.02	67.74
1987.5	16QAM	15	43.61	18.00	61.61	6.02	67.63
1937.5	64QAM	15	43.64	18.00	61.64	6.02	67.66
1962.5	64QAM	15	43.79	18.00	61.79	6.02	67.81
1987.5	64QAM	15	43.67	18.00	61.67	6.02	67.69
1937.5	256QAM	15	43.67	18.00	61.67	6.02	67.69
1962.5	256QAM	15	43.69	18.00	61.69	6.02	67.71
1987.5	256QAM	15	43.60	18.00	61.60	6.02	67.62
1937.5	1024QAM	15	43.53	18.00	61.53	6.02	67.55
1962.5	1024QAM	15	43.70	18.00	61.70	6.02	67.72
1987.5	1024QAM	15	43.56	18.00	61.56	6.02	67.58
1940	QPSK	20	43.70	18.00	61.70	6.02	67.72

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1962.5	QPSK	20	43.90	18.00	61.90	6.02	67.92
1985	QPSK	20	43.71	18.00	61.71	6.02	67.73
1940	16QAM	20	43.72	18.00	61.72	6.02	67.74
1962.5	16QAM	20	43.93	18.00	61.93	6.02	67.95
1985	16QAM	20	43.77	18.00	61.77	6.02	67.79
1940	64QAM	20	43.65	18.00	61.65	6.02	67.67
1962.5	64QAM	20	43.98	18.00	61.98	6.02	68.00
1985	64QAM	20	43.71	18.00	61.71	6.02	67.73
1940	256QAM	20	43.71	18.00	61.71	6.02	67.73
1962.5	256QAM	20	43.99	18.00	61.99	6.02	68.01
1985	256QAM	20	43.72	18.00	61.72	6.02	67.74
1940	1024QAM	20	43.69	18.00	61.69	6.02	67.71
1962.5	1024QAM	20	44.00	18.00	62.00	6.02	68.02
1985	1024QAM	20	43.75	18.00	61.75	6.02	67.77
1942.5	QPSK	25	41.73	18.00	59.73	6.02	65.75
1962.5	QPSK	25	41.62	18.00	59.62	6.02	65.64
1982.5	QPSK	25	41.38	18.00	59.38	6.02	65.40
1942.5	16QAM	25	41.67	18.00	59.67	6.02	65.69
1962.5	16QAM	25	41.80	18.00	59.80	6.02	65.82
1982.5	16QAM	25	41.71	18.00	59.71	6.02	65.73
1942.5	64QAM	25	41.8	18.00	59.80	6.02	65.82
1962.5	64QAM	25	41.87	18.00	59.87	6.02	65.89
1982.5	64QAM	25	41.72	18.00	59.72	6.02	65.74
1942.5	256QAM	25	41.71	18.00	59.71	6.02	65.73
1962.5	256QAM	25	41.91	18.00	59.91	6.02	65.93
1982.5	256QAM	25	41.77	18.00	59.77	6.02	65.79
1942.5	1024QAM	25	41.74	18.00	59.74	6.02	65.76
1962.5	1024QAM	25	41.84	18.00	59.84	6.02	65.86
1982.5	1024QAM	25	41.84	18.00	59.84	6.02	65.86
1945	QPSK	30	41.63	18.00	59.63	6.02	65.65
1962.5	QPSK	30	41.67	18.00	59.67	6.02	65.69
1980	QPSK	30	41.07	18.00	59.07	6.02	65.09
1945	16QAM	30	41.69	18.00	59.69	6.02	65.71
1962.5	16QAM	30	42.00	18.00	60.00	6.02	66.02
1980	16QAM	30	41.77	18.00	59.77	6.02	65.79
1945	64QAM	30	41.81	18.00	59.81	6.02	65.83
1962.5	64QAM	30	42.09	18.00	60.09	6.02	66.11
1980	64QAM	30	41.82	18.00	59.82	6.02	65.84
1945	256QAM	30	41.81	18.00	59.81	6.02	65.83
1962.5	256QAM	30	42.00	18.00	60.00	6.02	66.02
1980	256QAM	30	41.73	18.00	59.73	6.02	65.75
1945	1024QAM	30	41.75	18.00	59.75	6.02	65.77
1962.5	1024QAM	30	42.06	18.00	60.06	6.02	66.08
1980	1024QAM	30	41.79	18.00	59.79	6.02	65.81
1947.5	QPSK	35	41.45	18.00	59.45	6.02	65.47
1962.5	QPSK	35	41.37	18.00	59.37	6.02	65.39
1977.5	QPSK	35	41.36	18.00	59.36	6.02	65.38
1947.5	16QAM	35	41.71	18.00	59.71	6.02	65.73
1962.5	16QAM	35	41.87	18.00	59.87	6.02	65.89
1977.5	16QAM	35	41.74	18.00	59.74	6.02	65.76
1947.5	64QAM	35	41.76	18.00	59.76	6.02	65.78
1962.5	64QAM	35	41.83	18.00	59.83	6.02	65.85
1977.5	64QAM	35	41.83	18.00	59.83	6.02	65.85
1947.5	256QAM	35	41.84	18.00	59.84	6.02	65.86
1962.5	256QAM	35	41.78	18.00	59.78	6.02	65.80
1977.5	256QAM	35	41.77	18.00	59.77	6.02	65.79
1947.5	1024QAM	35	41.78	18.00	59.78	6.02	65.80
1962.5	1024QAM	35	41.93	18.00	59.93	6.02	65.95
1977.5	1024QAM	35	41.78	18.00	59.78	6.02	65.80
1950	QPSK	40	41.62	18.00	59.62	6.02	65.64
1962.5	QPSK	40	41.82	18.00	59.82	6.02	65.84
1975	QPSK	40	41.24	18.00	59.24	6.02	65.26
1950	16QAM	40	41.73	18.00	59.73	6.02	65.75
1962.5	16QAM	40	42.05	18.00	60.05	6.02	66.07
1975	16QAM	40	41.71	18.00	59.71	6.02	65.73
1950	64QAM	40	41.79	18.00	59.79	6.02	65.81
1962.5	64QAM	40	42.00	18.00	60.00	6.02	66.02
1975	64QAM	40	41.79	18.00	59.79	6.02	65.81
1950	256QAM	40	41.8	18.00	59.80	6.02	65.82
1962.5	256QAM	40	41.96	18.00	59.96	6.02	65.98

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power (dBm)	Antenna gain (dBi)	EIRP (dBm)	MIMO Correction (dB)	EIRP (4 ports) (dBm)
1975	256QAM	40	41.8	18.00	59.80	6.02	65.82
1950	1024QAM	40	41.82	18.00	59.82	6.02	65.84
1962.5	1024QAM	40	41.97	18.00	59.97	6.02	65.99
1975	1024QAM	40	41.80	18.00	59.80	6.02	65.82
1952.5	QPSK	45	41.82	18.00	59.82	6.02	65.84
1962.5	QPSK	45	41.59	18.00	59.59	6.02	65.61
1972.5	QPSK	45	41.71	18.00	59.71	6.02	65.73
1952.5	16QAM	45	41.81	18.00	59.81	6.02	65.83
1962.5	16QAM	45	41.82	18.00	59.82	6.02	65.84
1972.5	16QAM	45	41.81	18.00	59.81	6.02	65.83
1952.5	64QAM	45	41.72	18.00	59.72	6.02	65.74
1962.5	64QAM	45	41.81	18.00	59.81	6.02	65.83
1972.5	64QAM	45	41.73	18.00	59.73	6.02	65.75
1952.5	256QAM	45	41.71	18.00	59.71	6.02	65.73
1962.5	256QAM	45	41.76	18.00	59.76	6.02	65.78
1972.5	256QAM	45	41.79	18.00	59.79	6.02	65.81
1952.5	1024QAM	45	41.78	18.00	59.78	6.02	65.80
1962.5	1024QAM	45	41.86	18.00	59.86	6.02	65.88
1972.5	1024QAM	45	41.80	18.00	59.80	6.02	65.82

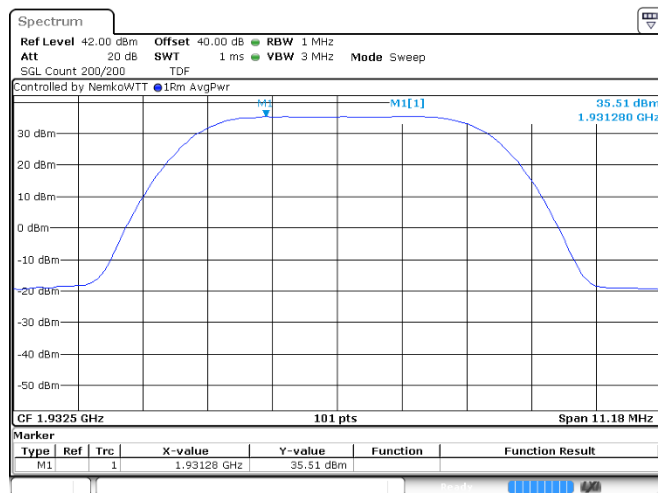
Table 8.4-16: FCC 24.232 Output power density results

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1932.5	QPSK	5	35.46	18.00	53.46	6.02	59.48	887.28
1962.5	QPSK	5	35.88	18.00	53.88	6.02	59.90	977.37
1992.5	QPSK	5	35.49	18.00	53.49	6.02	59.51	893.43
1932.5	16QAM	5	35.65	18.00	53.65	6.02	59.67	926.96
1962.5	16QAM	5	36.15	18.00	54.15	6.02	60.17	1040.06
1992.5	16QAM	5	35.76	18.00	53.76	6.02	59.78	950.74
1932.5	64QAM	5	35.62	18.00	53.62	6.02	59.64	920.58
1962.5	64QAM	5	35.83	18.00	53.83	6.02	59.85	966.18
1992.5	64QAM	5	35.45	18.00	53.45	6.02	59.47	885.24
1932.5	256QAM	5	35.36	18.00	53.36	6.02	59.38	867.08
1962.5	256QAM	5	35.64	18.00	53.64	6.02	59.66	924.83
1992.5	256QAM	5	35.31	18.00	53.31	6.02	59.33	857.16
1932.5	1024QAM	5	35.51	18.00	53.51	6.02	59.53	897.55
1962.5	1024QAM	5	36.02	18.00	54.02	6.02	60.04	1009.39
1992.5	1024QAM	5	35.57	18.00	53.57	6.02	59.59	910.04
1935	QPSK	10	32.51	18.00	50.51	6.02	56.53	449.84
1962.5	QPSK	10	32.87	18.00	50.87	6.02	56.89	488.72
1990	QPSK	10	32.55	18.00	50.55	6.02	56.57	454.00
1935	16QAM	10	33.23	18.00	51.23	6.02	57.25	530.96
1962.5	16QAM	10	33.63	18.00	51.63	6.02	57.65	582.18
1990	16QAM	10	33.31	18.00	51.31	6.02	57.33	540.83
1935	64QAM	10	32.41	18.00	50.41	6.02	56.43	439.60
1962.5	64QAM	10	32.88	18.00	50.88	6.02	56.90	489.85
1935	64QAM	10	32.6	18.00	50.60	6.02	56.62	459.26
1935	256QAM	10	32.47	18.00	50.47	6.02	56.49	445.72
1962.5	256QAM	10	32.71	18.00	50.71	6.02	56.73	471.04
1990	256QAM	10	32.54	18.00	50.54	6.02	56.56	452.96
1935	1024QAM	10	32.45	18.00	50.45	6.02	56.47	443.67
1962.5	1024QAM	10	32.80	18.00	50.80	6.02	56.82	480.91
1990	1024QAM	10	32.61	18.00	50.61	6.02	56.63	460.32
1937.5	QPSK	15	30.82	18.00	48.82	6.02	54.84	304.83
1962.5	QPSK	15	30.89	18.00	48.89	6.02	54.91	309.78
1987.5	QPSK	15	30.82	18.00	48.82	6.02	54.84	304.83
1937.5	16QAM	15	32.15	18.00	50.15	6.02	56.17	414.06
1962.5	16QAM	15	32.42	18.00	50.42	6.02	56.44	440.62
1987.5	16QAM	15	32.28	18.00	50.28	6.02	56.30	426.64
1937.5	64QAM	15	30.78	18.00	48.78	6.02	54.80	302.04
1962.5	64QAM	15	30.89	18.00	48.89	6.02	54.91	309.78
1987.5	64QAM	15	30.79	18.00	48.79	6.02	54.81	302.73
1937.5	256QAM	15	30.82	18.00	48.82	6.02	54.84	304.83
1962.5	256QAM	15	30.83	18.00	48.83	6.02	54.85	305.53
1987.5	256QAM	15	30.75	18.00	48.75	6.02	54.77	299.96
1937.5	1024QAM	15	30.74	18.00	48.74	6.02	54.76	299.27
1962.5	1024QAM	15	30.77	18.00	48.77	6.02	54.79	301.34

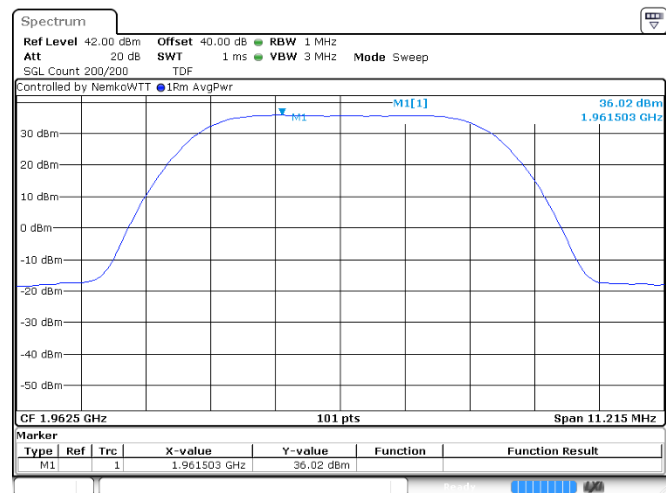
Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1987.5	1024QAM	15	30.70	18.00	48.70	6.02	54.72	296.52
1940	QPSK	20	29.45	18.00	47.45	6.02	53.47	222.36
1962.5	QPSK	20	29.89	18.00	47.89	6.02	53.91	246.07
1985	QPSK	20	29.46	18.00	47.46	6.02	53.48	222.87
1940	16QAM	20	31.17	18.00	49.17	6.02	55.19	330.42
1962.5	16QAM	20	31.35	18.00	49.35	6.02	55.37	344.40
1985	16QAM	20	31.13	18.00	49.13	6.02	55.15	327.39
1940	64QAM	20	29.53	18.00	47.53	6.02	53.55	226.50
1962.5	64QAM	20	29.83	18.00	47.83	6.02	53.85	242.69
1985	64QAM	20	29.59	18.00	47.59	6.02	53.61	229.65
1940	256QAM	20	29.54	18.00	47.54	6.02	53.56	227.02
1962.5	256QAM	20	29.75	18.00	47.75	6.02	53.77	238.26
1985	256QAM	20	29.55	18.00	47.55	6.02	53.57	227.54
1940	1024QAM	20	29.63	18.00	47.63	6.02	53.65	231.77
1962.5	1024QAM	20	29.74	18.00	47.74	6.02	53.76	237.72
1985	1024QAM	20	29.6	18.00	47.60	6.02	53.62	230.18
1942.5	QPSK	25	28.61	18.00	46.61	6.02	52.63	183.26
1962.5	QPSK	25	28.49	18.00	46.49	6.02	52.51	178.26
1982.5	QPSK	25	28.28	18.00	46.28	6.02	52.30	169.85
1942.5	16QAM	25	29.77	18.00	47.77	6.02	53.79	239.36
1962.5	16QAM	25	30.05	18.00	48.05	6.02	54.07	255.31
1982.5	16QAM	25	29.91	18.00	47.91	6.02	53.93	247.21
1942.5	64QAM	25	28.53	18.00	46.53	6.02	52.55	179.91
1962.5	64QAM	25	28.73	18.00	46.73	6.02	52.75	188.39
1982.5	64QAM	25	28.67	18.00	46.67	6.02	52.69	185.81
1942.5	256QAM	25	28.55	18.00	46.55	6.02	52.57	180.74
1962.5	256QAM	25	28.66	18.00	46.66	6.02	52.68	185.38
1982.5	256QAM	25	28.54	18.00	46.54	6.02	52.56	180.33
1942.5	1024QAM	25	28.61	18.00	46.61	6.02	52.63	183.26
1962.5	1024QAM	25	28.67	18.00	46.67	6.02	52.69	185.81
1982.5	1024QAM	25	28.56	18.00	46.56	6.02	52.58	181.16
1945	QPSK	30	27.72	18.00	45.72	6.02	51.74	149.30
1962.5	QPSK	30	27.76	18.00	45.76	6.02	51.78	150.68
1980	QPSK	30	27.17	18.00	45.17	6.02	51.19	131.54
1945	16QAM	30	29.58	18.00	47.58	6.02	53.60	229.12
1962.5	16QAM	30	29.60	18.00	47.60	6.02	53.62	230.18
1980	16QAM	30	29.44	18.00	47.44	6.02	53.46	221.85
1945	64QAM	30	27.87	18.00	45.87	6.02	51.89	154.55
1962.5	64QAM	30	28.14	18.00	46.14	6.02	52.16	164.46
1980	64QAM	30	27.92	18.00	45.92	6.02	51.94	156.34
1945	256QAM	30	27.87	18.00	45.87	6.02	51.89	154.55
1962.5	256QAM	30	28.02	18.00	46.02	6.02	52.04	159.98
1980	256QAM	30	27.76	18.00	45.76	6.02	51.78	150.68
1945	1024QAM	30	27.73	18.00	45.73	6.02	51.75	149.64
1962.5	1024QAM	30	28.12	18.00	46.12	6.02	52.14	163.70
1980	1024QAM	30	27.82	18.00	45.82	6.02	51.84	152.78
1947.5	QPSK	35	27.03	18.00	45.03	6.02	51.05	127.37
1962.5	QPSK	35	26.65	18.00	44.65	6.02	50.67	116.70
1977.5	QPSK	35	26.85	18.00	44.85	6.02	50.87	122.20
1947.5	16QAM	35	28.84	18.00	46.84	6.02	52.86	193.22
1962.5	16QAM	35	28.94	18.00	46.94	6.02	52.96	197.72
1977.5	16QAM	35	28.86	18.00	46.86	6.02	52.88	194.12
1947.5	64QAM	35	27.20	18.00	45.20	6.02	51.22	132.45
1962.5	64QAM	35	27.18	18.00	45.18	6.02	51.20	131.84
1977.5	64QAM	35	27.09	18.00	45.09	6.02	51.11	129.14
1947.5	256QAM	35	27.18	18.00	45.18	6.02	51.20	131.84
1962.5	256QAM	35	27.19	18.00	45.19	6.02	51.21	132.15
1977.5	256QAM	35	27.21	18.00	45.21	6.02	51.23	132.76
1947.5	1024QAM	35	27.24	18.00	45.24	6.02	51.26	133.68
1962.5	1024QAM	35	27.22	18.00	45.22	6.02	51.24	133.06
1977.5	1024QAM	35	27.09	18.00	45.09	6.02	51.11	129.14
1950	QPSK	40	26.6	18.00	44.60	6.02	50.62	115.36
1962.5	QPSK	40	26.59	18.00	44.59	6.02	50.61	115.10
1975	QPSK	40	26.05	18.00	44.05	6.02	50.07	101.64
1950	16QAM	40	28.26	18.00	46.26	6.02	52.28	169.07
1962.5	16QAM	40	28.42	18.00	46.42	6.02	52.44	175.41
1975	16QAM	40	28.28	18.00	46.28	6.02	52.30	169.85
1950	64QAM	40	26.65	18.00	44.65	6.02	50.67	116.70
1962.5	64QAM	40	26.85	18.00	44.85	6.02	50.87	122.20

Frequency (MHz)	Modulation	Channel Bandwidth (MHz)	Conducted power density (dBm/MHz)	Antenna gain (dBi)	EIRP density (dBm/MHz)	MIMO Correction (dB)	EIRP density (4 ports) (dBm/MHz)	EIRP density (4 ports) (W/MHz)
1975	64QAM	40	26.55	18.00	44.55	6.02	50.57	114.04
1950	256QAM	40	26.45	18.00	44.45	6.02	50.47	111.44
1962.5	256QAM	40	26.67	18.00	44.67	6.02	50.69	117.24
1975	256QAM	40	26.49	18.00	44.49	6.02	50.51	112.48
1950	1024QAM	40	26.66	18.00	44.66	6.02	50.68	116.97
1962.5	1024QAM	40	26.71	18.00	44.71	6.02	50.73	118.32
1975	1024QAM	40	26.63	18.00	44.63	6.02	50.65	116.16
1952.5	QPSK	45	26.10	18.00	44.10	6.02	50.12	102.82
1962.5	QPSK	45	25.97	18.00	43.97	6.02	49.99	99.78
1972.5	QPSK	45	25.94	18.00	43.94	6.02	49.96	99.10
1952.5	16QAM	45	27.81	18.00	45.81	6.02	51.83	152.43
1962.5	16QAM	45	27.91	18.00	45.91	6.02	51.93	155.98
1972.5	16QAM	45	27.91	18.00	45.91	6.02	51.93	155.98
1952.5	64QAM	45	26.05	18.00	44.05	6.02	50.07	101.64
1962.5	64QAM	45	26.01	18.00	44.01	6.02	50.03	100.71
1972.5	64QAM	45	26.01	18.00	44.01	6.02	50.03	100.71
1952.5	256QAM	45	26.03	18.00	44.03	6.02	50.05	101.17
1962.5	256QAM	45	26.03	18.00	44.03	6.02	50.05	101.17
1972.5	256QAM	45	26.00	18.00	44.00	6.02	50.02	100.48
1952.5	1024QAM	45	26.08	18.00	44.08	6.02	50.10	102.34
1962.5	1024QAM	45	26.31	18.00	44.31	6.02	50.33	107.91
1972.5	1024QAM	45	26.03	18.00	44.03	6.02	50.05	101.17

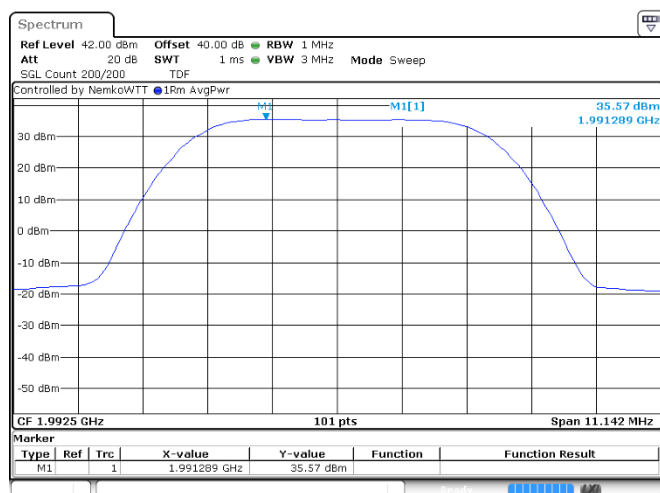
Sample plots; EIRP density, 1024QAM:



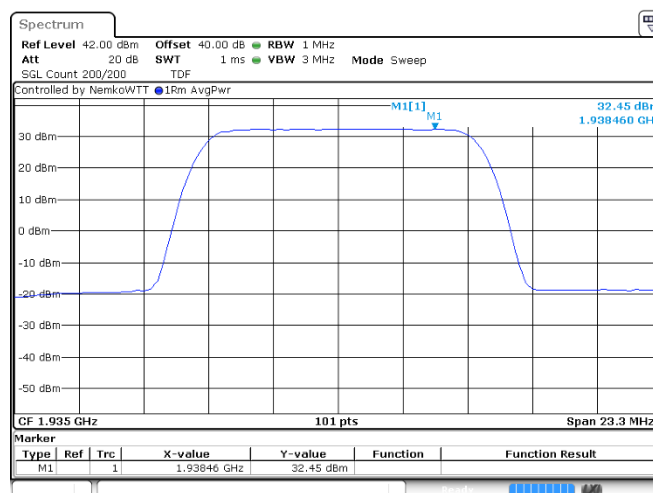
Average PSD, TX: 1932.5 MHz, BW: 5 MHz, MOD: 1024QAM



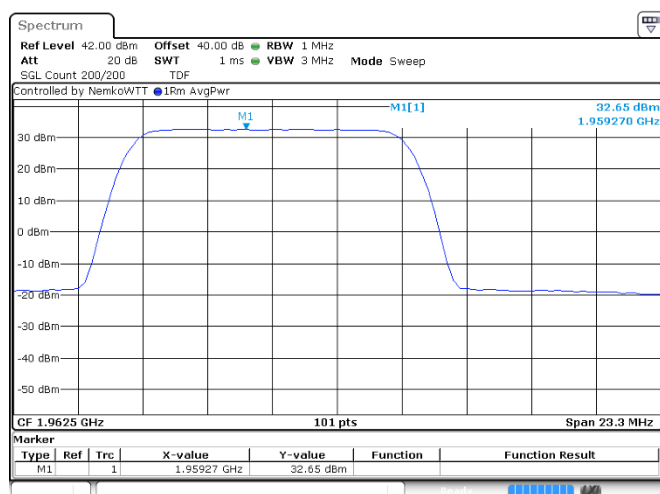
Average PSD, TX: 1962.5 MHz, BW: 5 MHz, MOD: 1024QAM



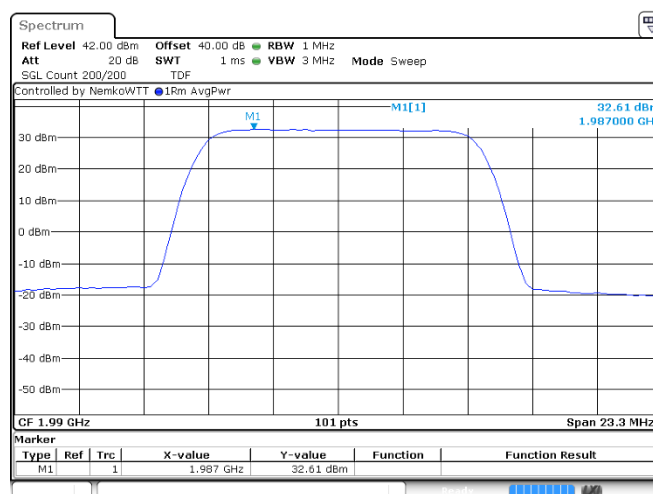
Average PSD, TX: 1992.5 MHz, BW: 5MHz, MOD: 1024QAM



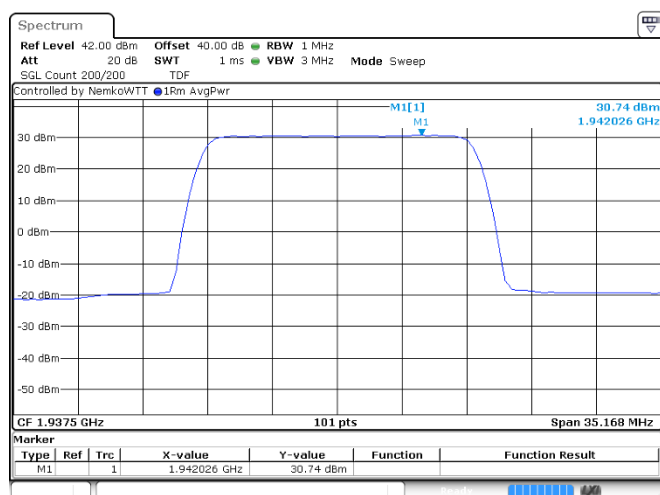
Average PSD, TX: 1935 MHz, BW: 10MHz, MOD: 1024QAM



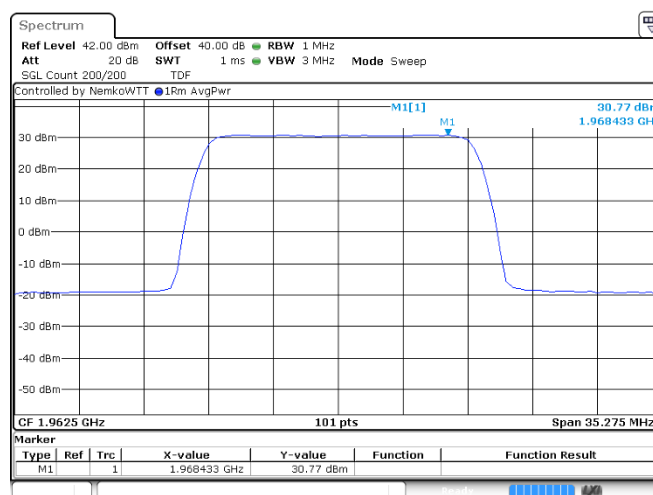
Average PSD, TX: 1962.5 MHz, BW: 10MHz, MOD: 1024QAM



Average PSD, TX: 1990 MHz, BW: 10MHz, MOD: 1024QAM



Average PSD, TX: 1937.5 MHz, BW: 15MHz, MOD: 1024QAM



Average PSD, TX: 1962.5 MHz, BW: 15MHz, MOD: 1024QAM