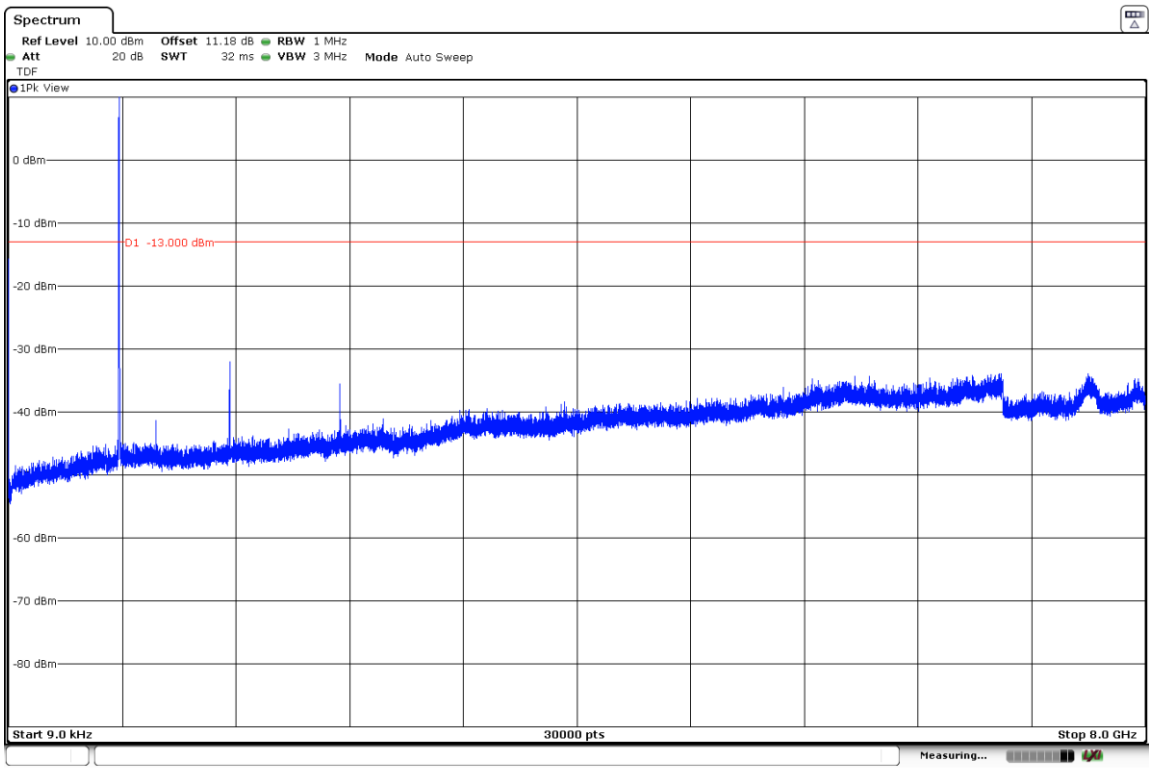
LTE Band 13. 16QAM. Nominal Bandwidth 5 MHz. RB Size 5. RB Offset 0. Narrowband = 0. Position 1.

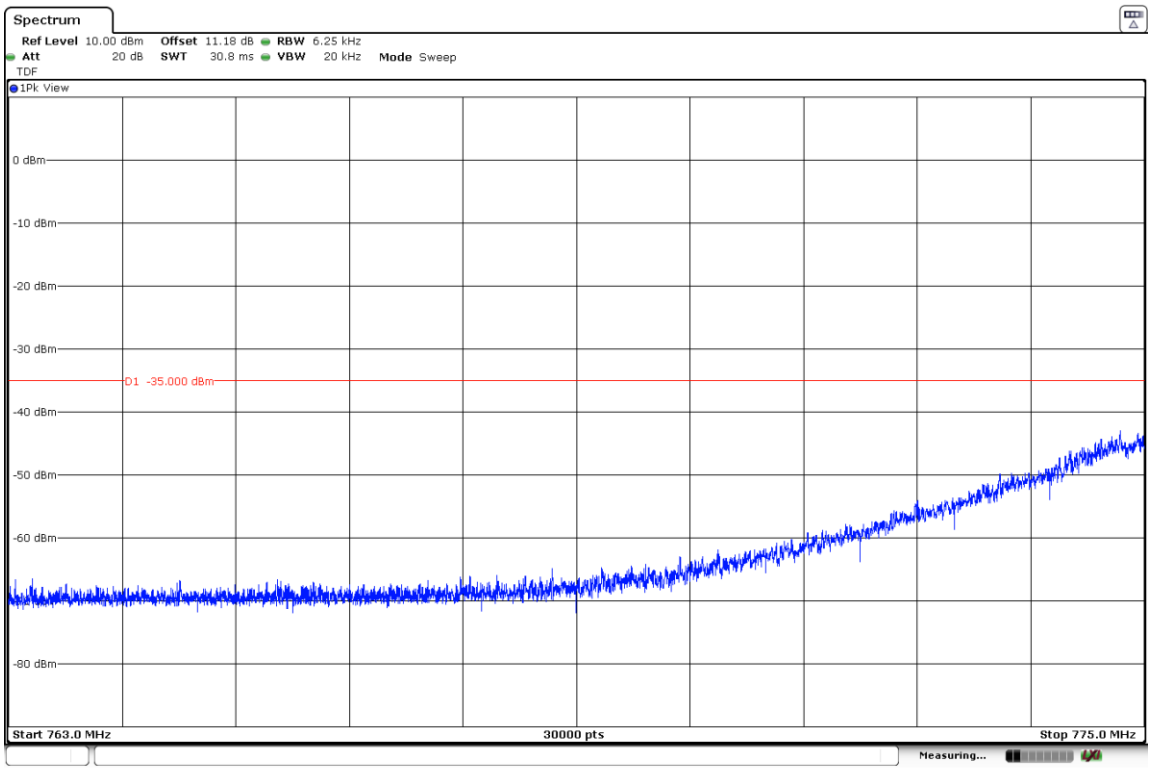
Low Channel:

- Frequency range 9 kHz – 8 GHz:

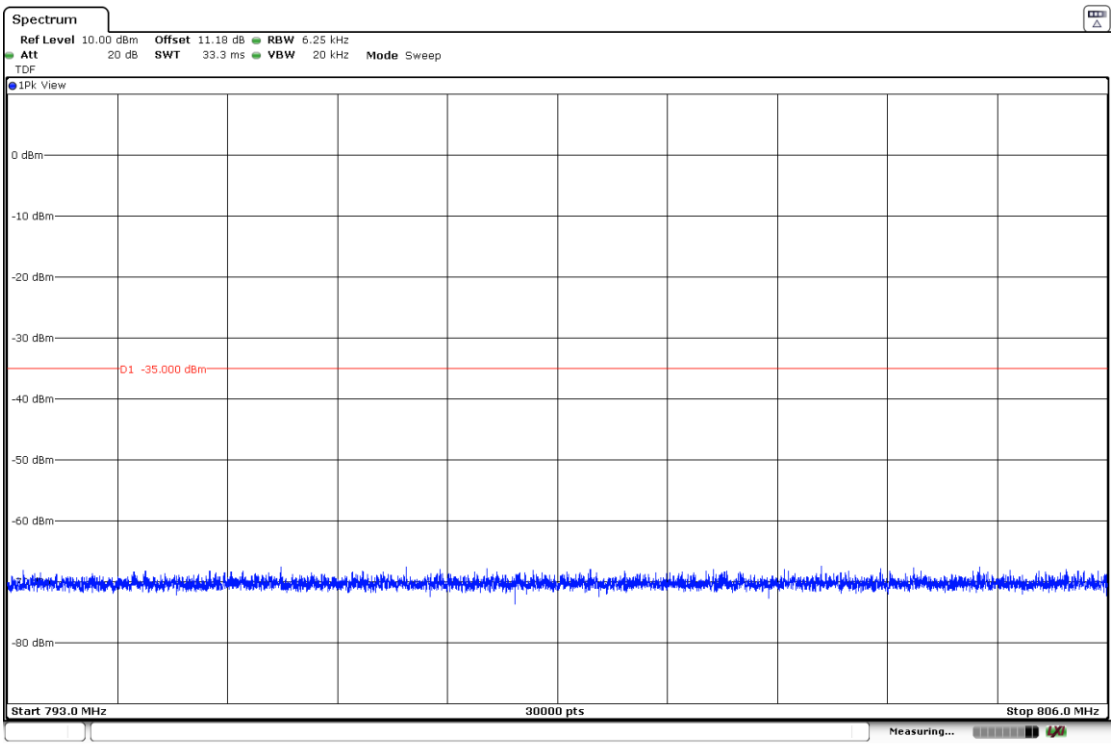


The peak above the limit is the carrier frequency.

- Frequency range 763 MHz – 775 MHz:

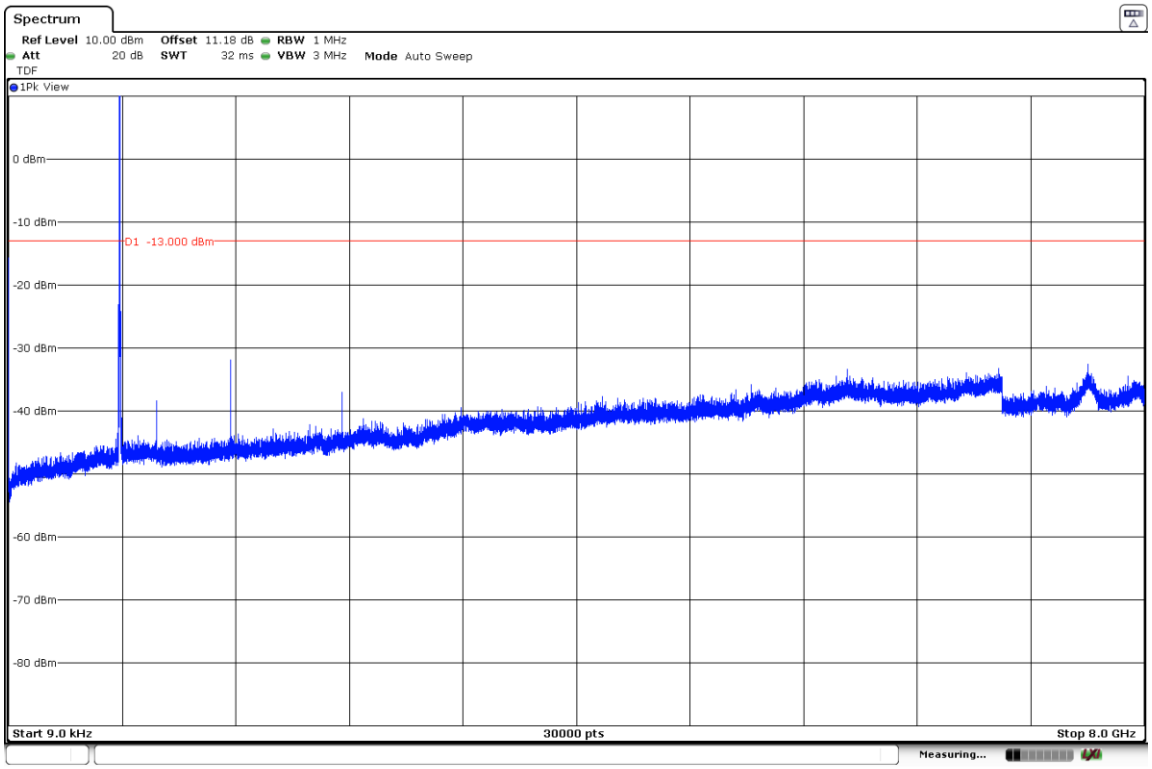


- Frequency range 793 MHz – 806 MHz:



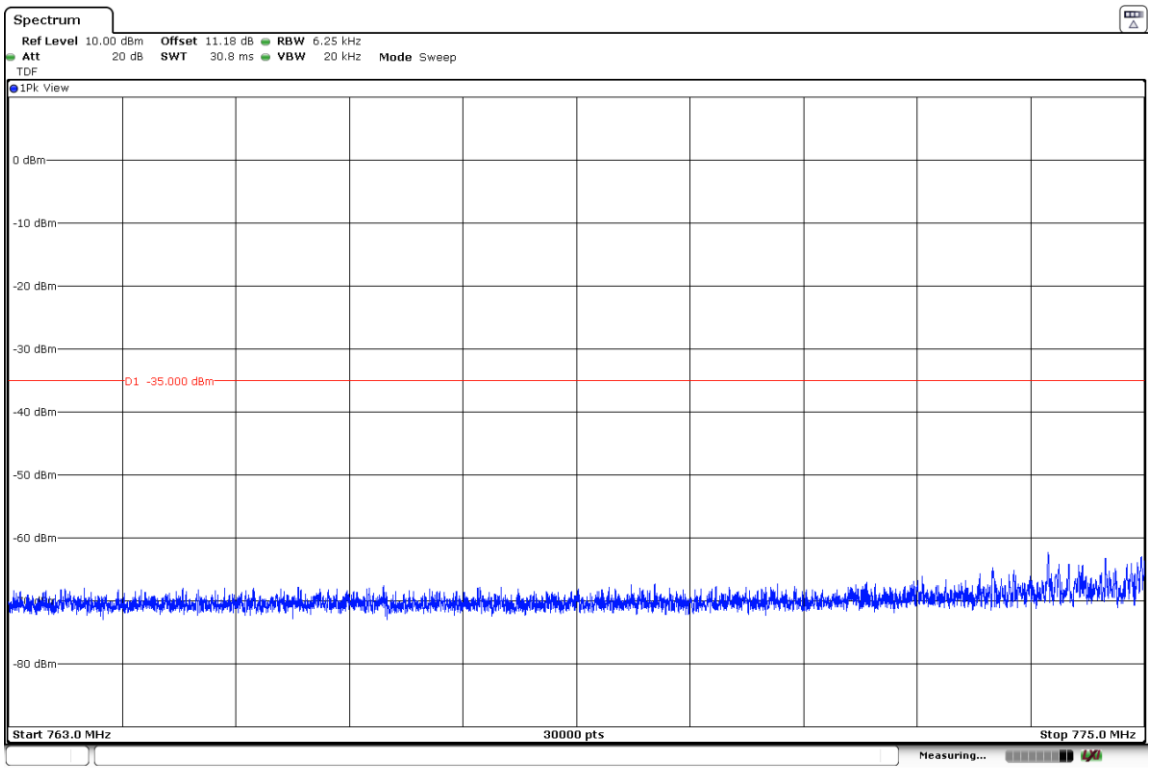
High Channel:

- Frequency range 9 kHz – 8 GHz:

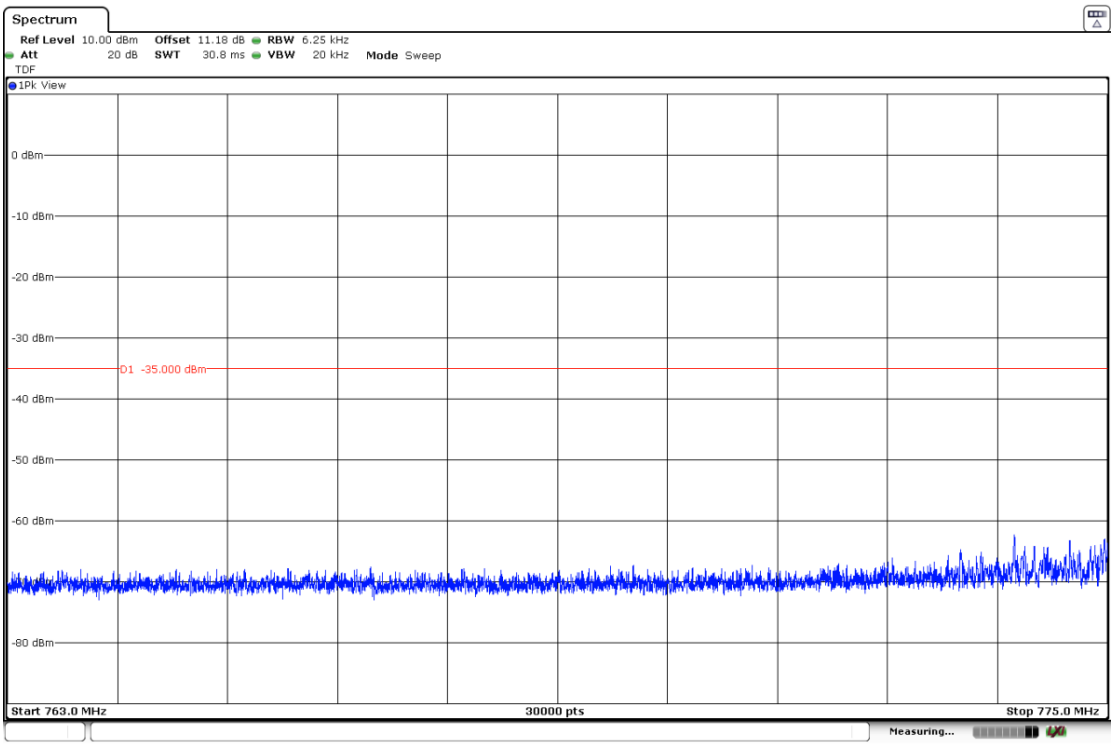


The peak above the limit is the carrier frequency.

- Frequency range 763 MHz – 775 MHz:

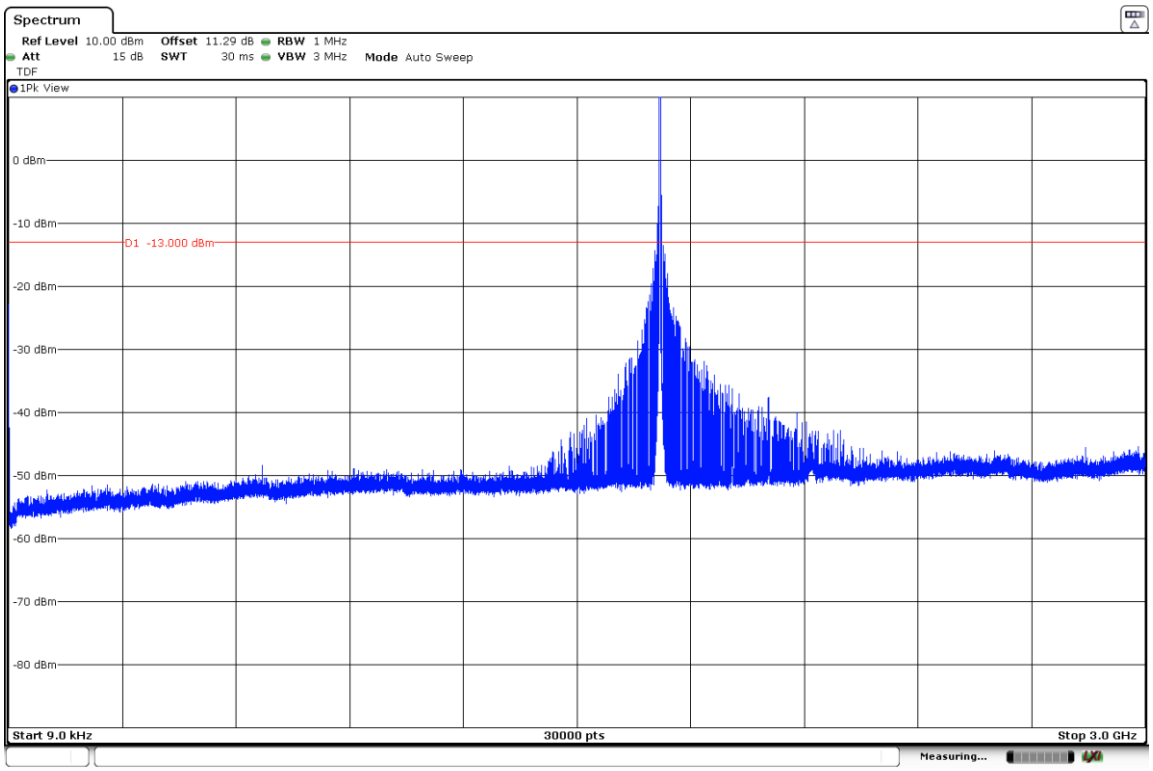


- Frequency range 793 MHz – 806 MHz:

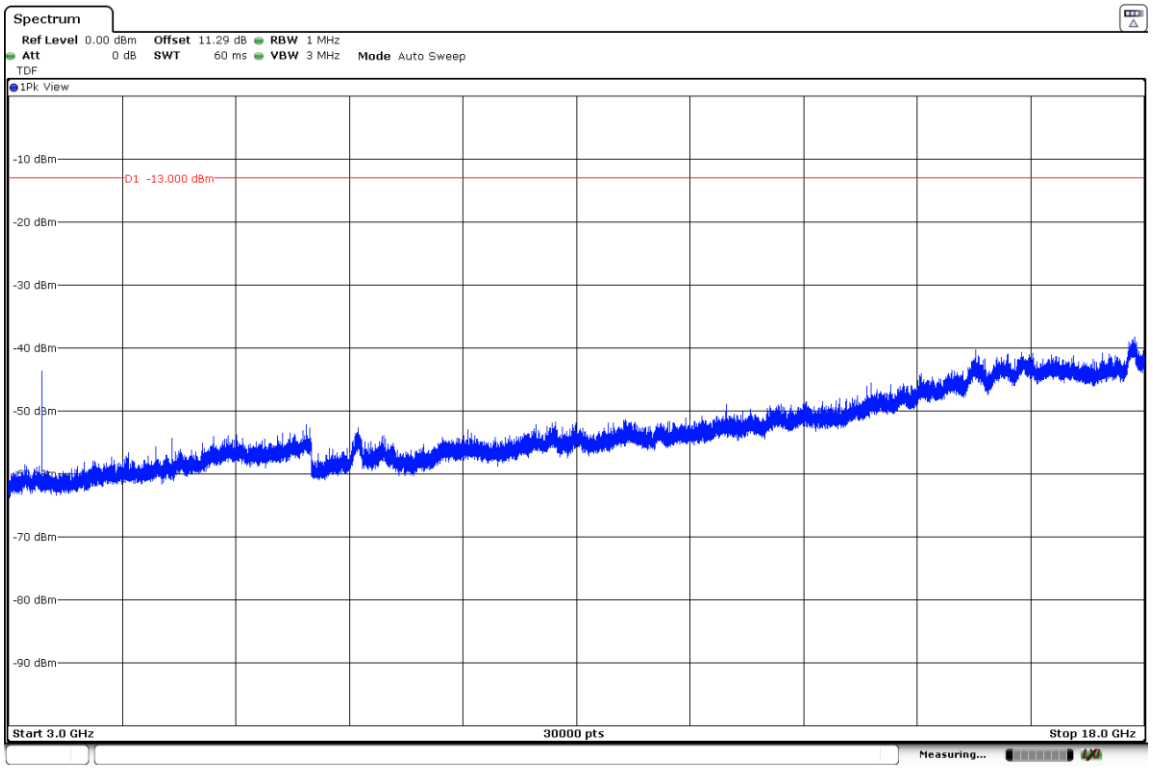


LTE Band 66. QPSK. Nominal Bandwidth 20 MHz. RB Size 1. RB Offset 0. Narrowband = 7. Position 1.

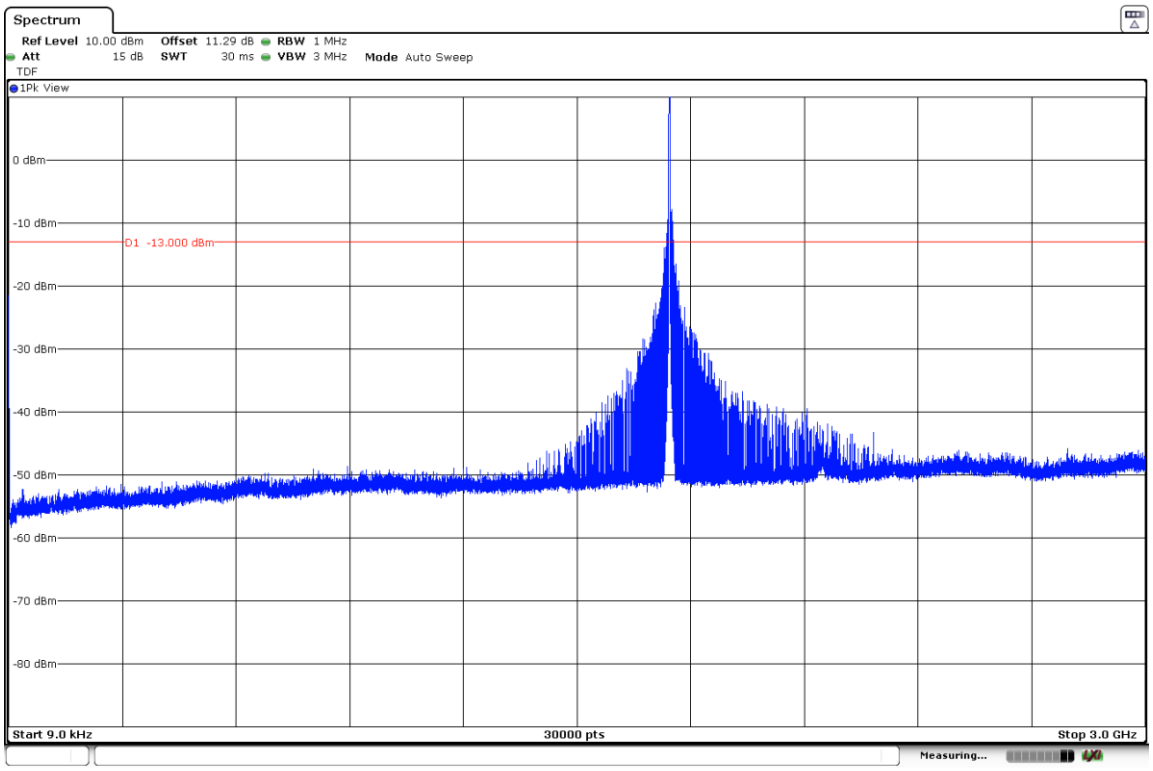
Low Channel:



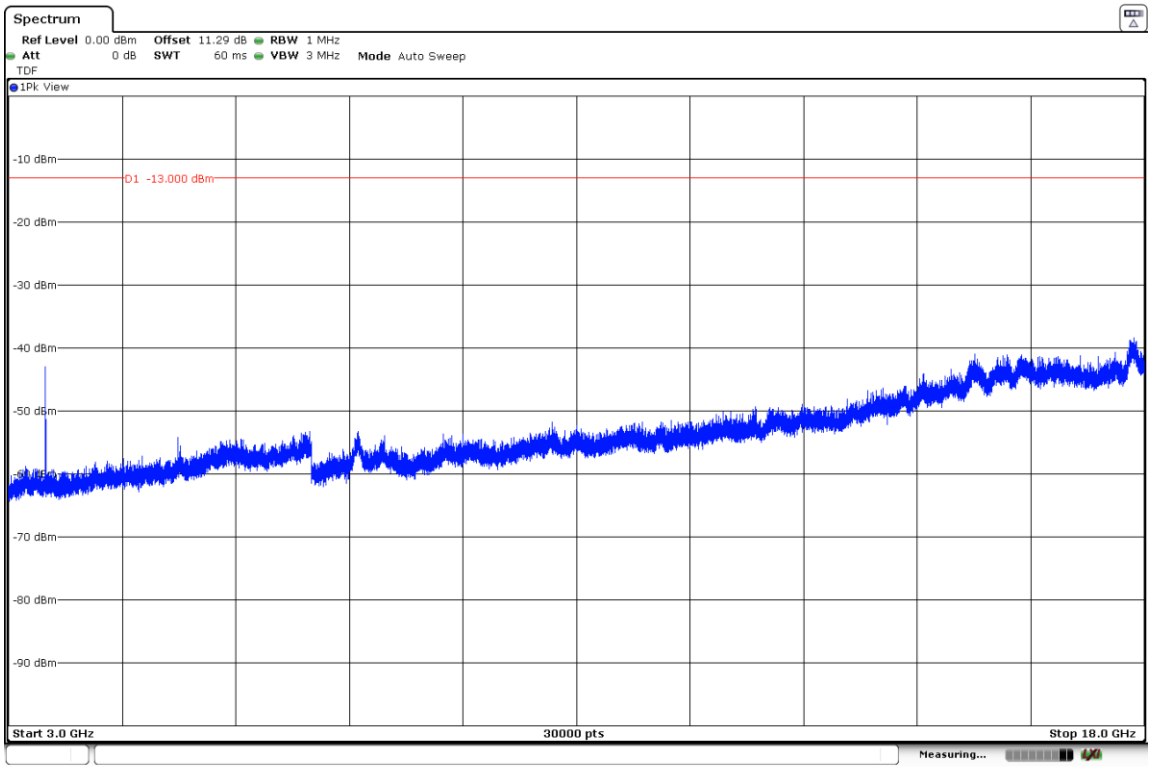
The peak above the limit is the carrier frequency.
The highest peak next to the carrier is the Downlink frequency.



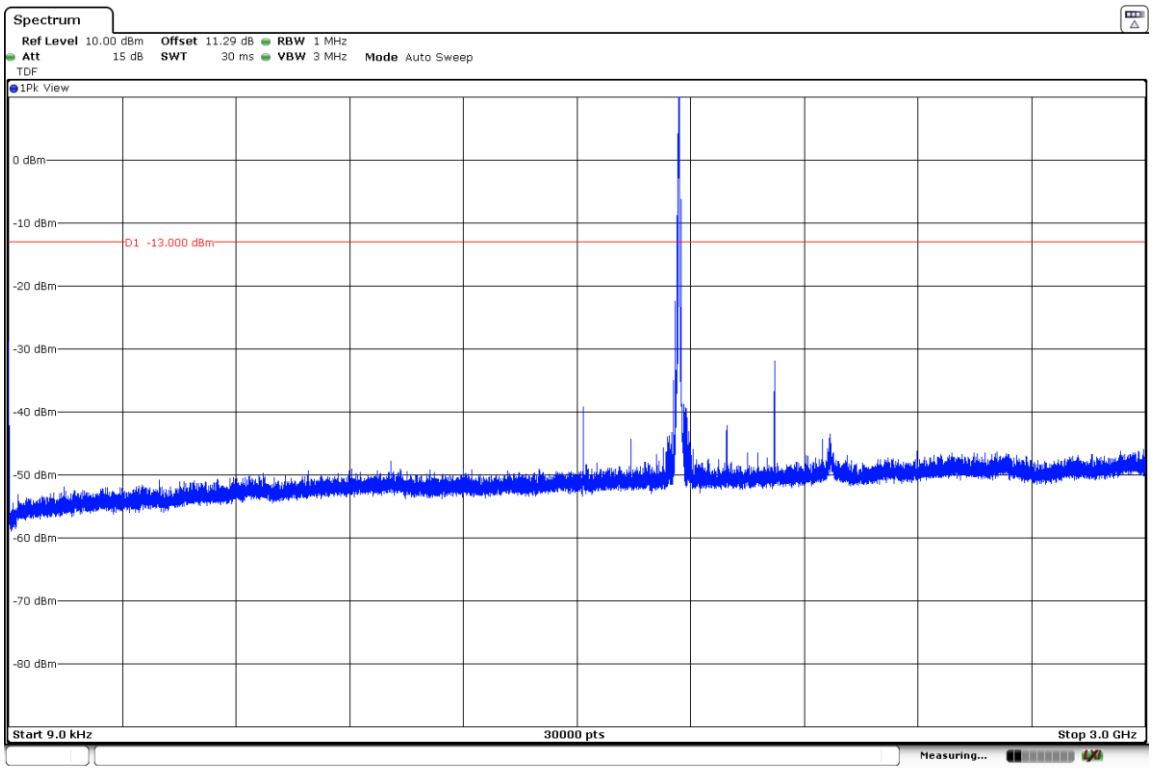
Middle Channel:



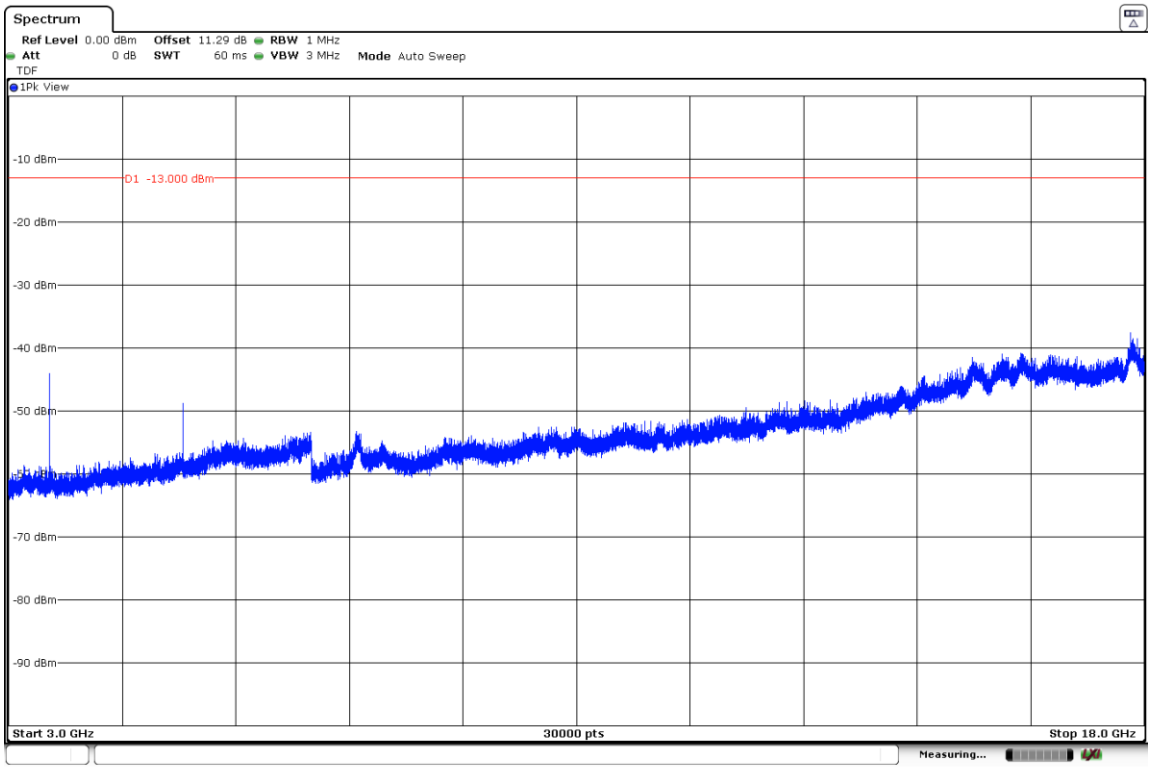
The peak above the limit is the carrier frequency.
The highest peak next to the carrier is the Downlink frequency.



High Channel:

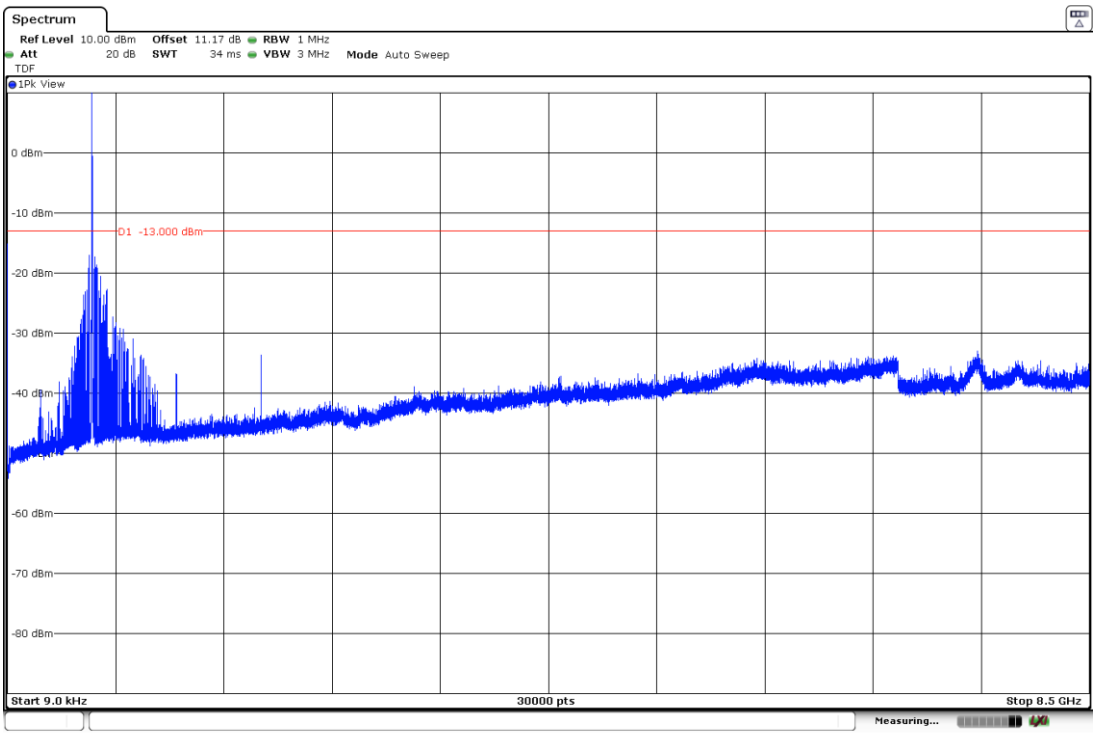


The peak above the limit is the carrier frequency.
The highest peak next to the carrier is the Downlink frequency.



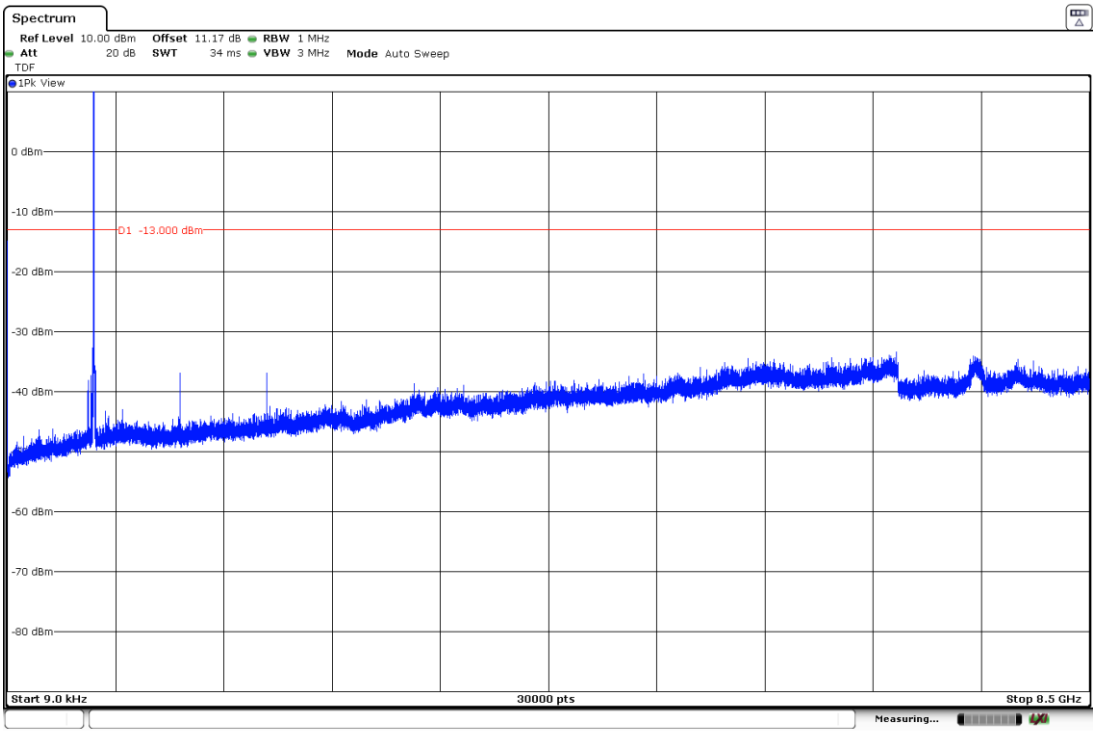
LTE Band 71. QPSK. Nominal Bandwidth 20 MHz. RB Size 1. RB Offset 0. Narrowband = 7. Position 1.

Low Channel:



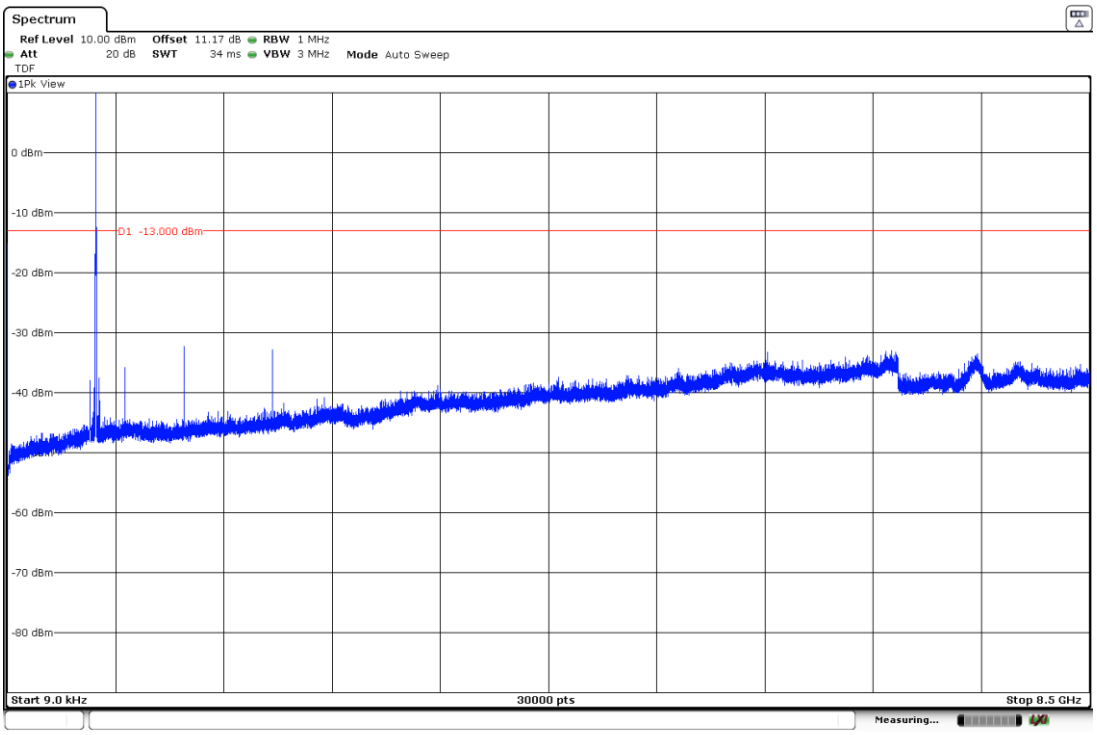
The peak above the limit is the carrier frequency.
The highest peak next to the carrier is the Downlink frequency.

Middle Channel:



The peak above the limit is the carrier frequency.
The highest peak next to the carrier is the Downlink frequency.

High Channel:



The peak above the limit is the carrier frequency.
The highest peak next to the carrier is the Downlink frequency.

Spurious Emissions at Antenna Terminals at Block Edges

SPECIFICATION:

FCC §27.53 (c):

On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB.

FCC §27.53 (g):

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

RSS-130 Clause 4.7.1:

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB.

FCC §27.53 (h), RSS-139 Clause 6.6:

According to specification, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

At Po transmitting power, the specified minimum attenuation becomes 43+10 log (Po), and the level in dBm relative to Po becomes:

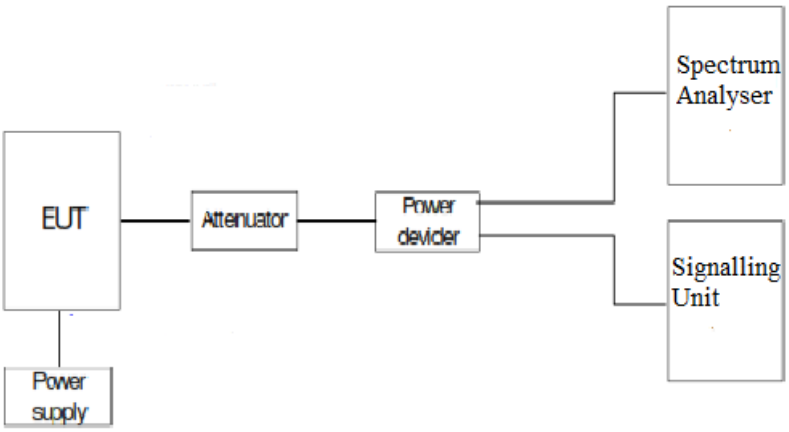
Po (dBm) – [43 + 10 log (Po in mW) - 30] = -13 dBm

METHOD:

The EUT RF output connector was connected to a spectrum analyser and to the Universal Radio Communication tester R&S CMW500 (selecting maximum transmission power of the EUT and different modes of modulation) using a 50-Ohm attenuator and a power splitter.

The reading of the spectrum analyser is corrected with the attenuation loss of connection between output terminal of EUT and input of the spectrum analyser.

TEST SETUP:



RESULTS:

LTE Band 12:

Preliminary measurements determined QPSK as the worst-case modulation in terms of band edge results. The next results are for this worst-case configuration.

Low Block Edge. Narrowband = 0.

LTE QPSK MODULATION:	RB=1. Offset=0. BW = 1.4 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-15.59

LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 1.4 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-20.82

High Block Edge. Narrowband = Max.

LTE QPSK MODULATION:	RB=1. Offset=Max. BW = 1.4 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-15.34

LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 1.4 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-21.14

LTE Band 13:

Preliminary measurements determined QPSK as the worst-case modulation in terms of band edge results. The next results are for this worst-case configuration.

Low Block Edge. Narrowband = 0.

LTE QPSK MODULATION:	RB=1. Offset = 0. BW = 5 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-23.56

LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 5 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-26.08

High Block Edge. Narrowband = Max.

LTE QPSK MODULATION:	RB=1. Offset=Max. BW = 5 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-28.66

LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 5 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-27.17

LTE Band 66:

Preliminary measurements determined QPSK as the worst-case modulation in terms of band edge results. The next results are for this worst-case configuration.

Low Block Edge. Narrowband = 0.

LTE QPSK MODULATION:	RB=1. Offset = 0. BW = 1.4 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-15.63

LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 1.4 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-20.93

High Block Edge. Narrowband = Max.

LTE QPSK MODULATION:	RB=1. Offset=Max. BW = 1.4 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-14.87

LTE QPSK MODULATION:	RB = All. Offset =0. BW = 1.4 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-21.17

Measurement uncertainty: <±2.76 dB

Verdict: PASS

LTE Band 71:

Preliminary measurements determined QPSK as the worst-case modulation in terms of band edge results. The next results are for this worst-case configuration.

Low Block Edge. Narrowband = 0.

LTE QPSK MODULATION:	RB=1. Offset=0. BW = 5 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-23.51

LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 5 MHz
Maximum measured level at Lowest Block Edge at antenna port (dBm)	-26.4

High Block Edge. Narrowband = Max.

LTE QPSK MODULATION:	RB=1. Offset=Max. BW = 5 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-22.7

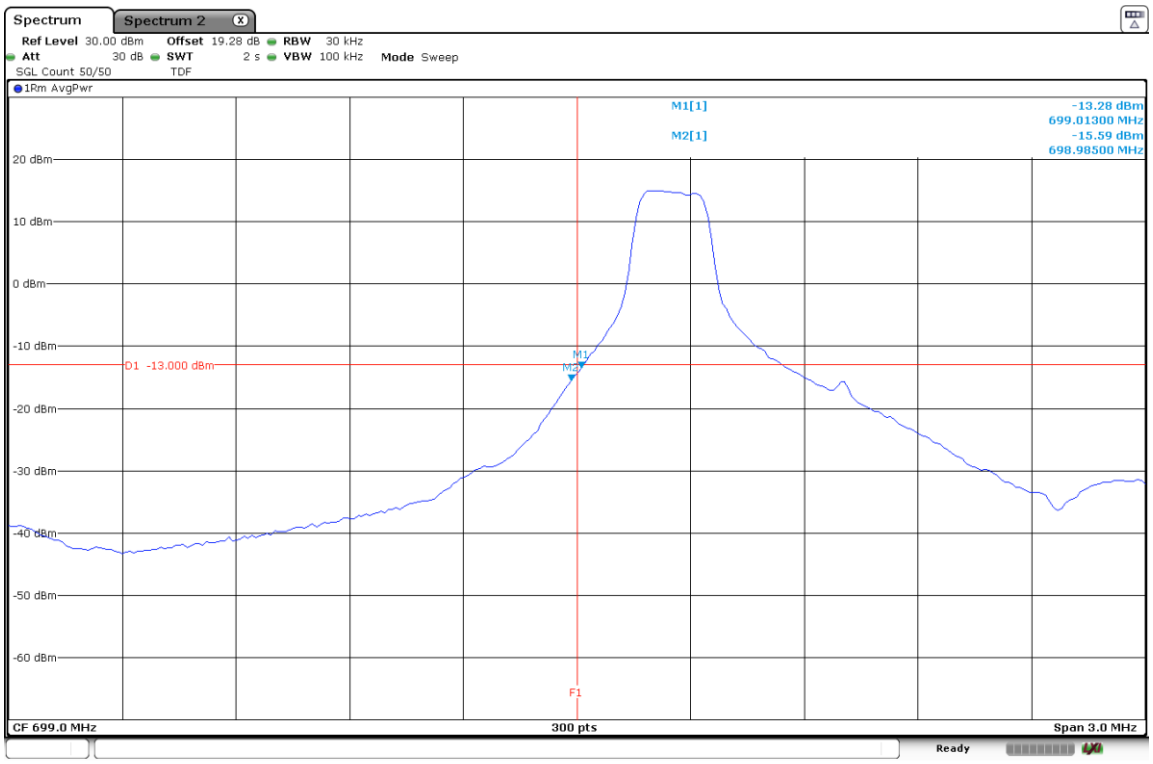
LTE QPSK MODULATION:	RB = All. Offset = 0. BW = 5 MHz
Maximum measured level at Highest Block Edge at antenna port (dBm)	-25.8

Measurement uncertainty: <±2.76 dB

Verdict: PASS

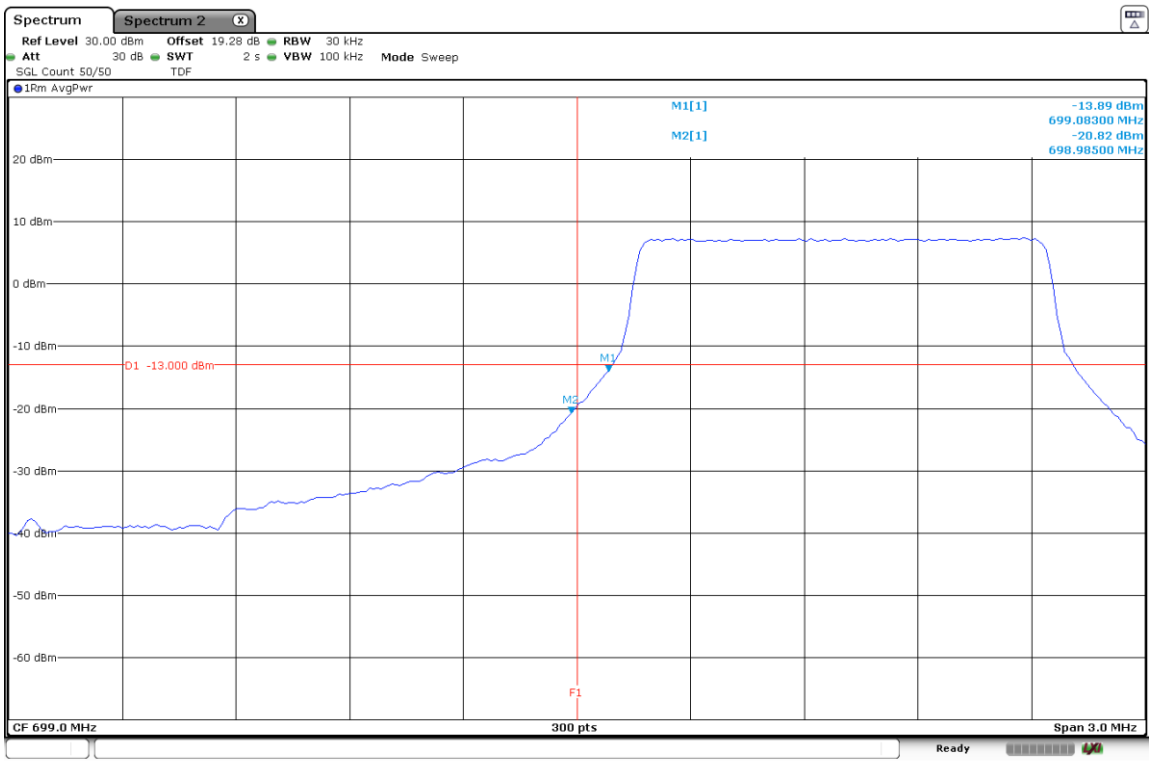
LTE Band 12:

LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=1. Offset=0. Low Block Edge:



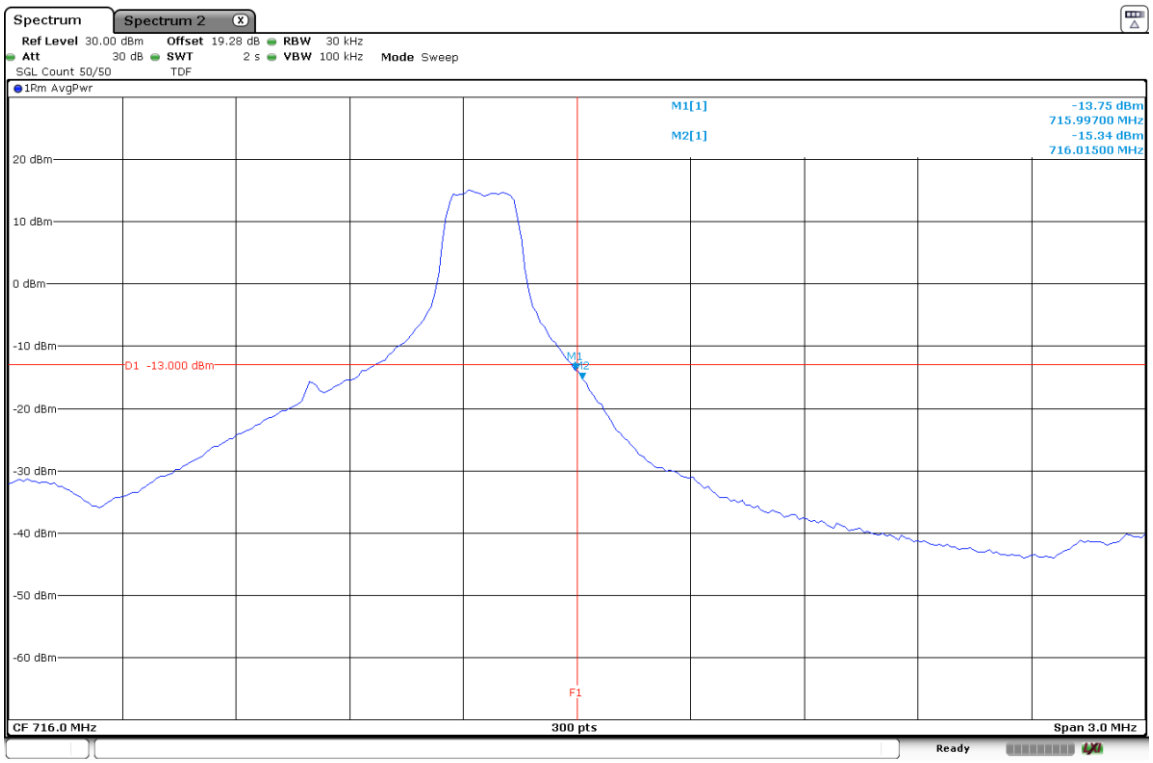
The equipment transmits at the maximum output power

LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=All. Offset=0. Low Block Edge:



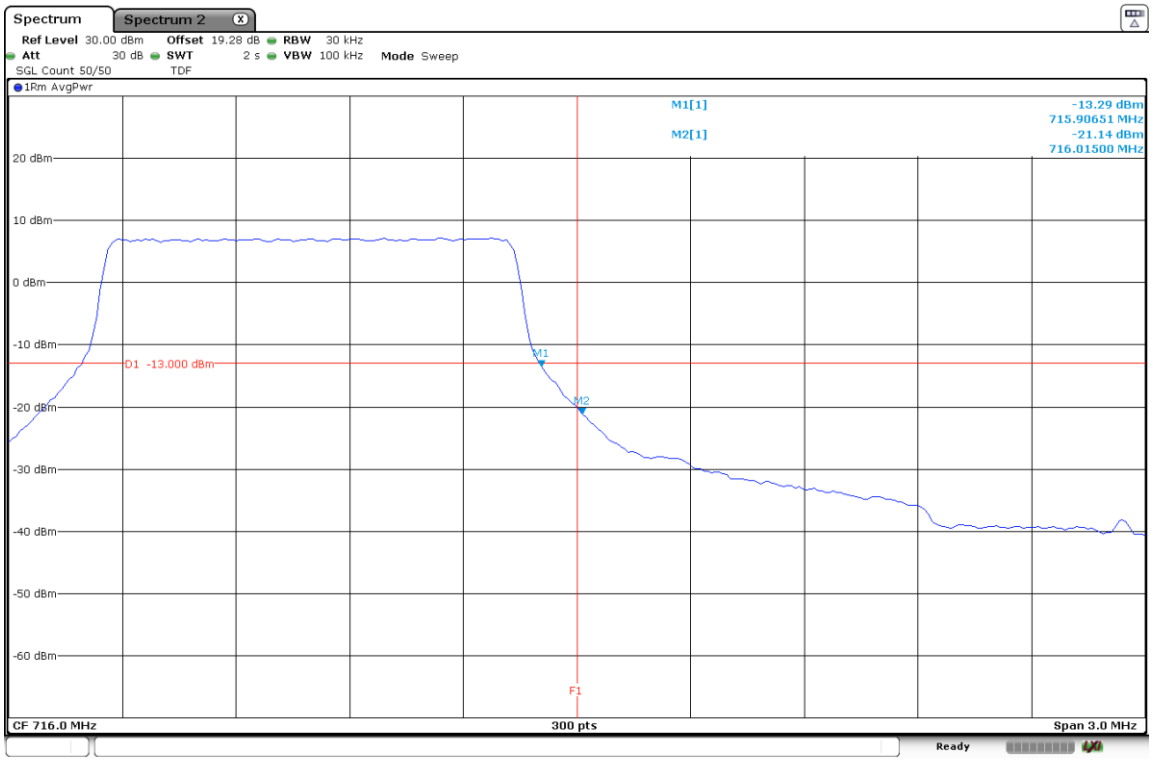
The equipment transmits at the maximum output power

LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=1. Offset=Max. High Block Edge:



The equipment transmits at the maximum output power

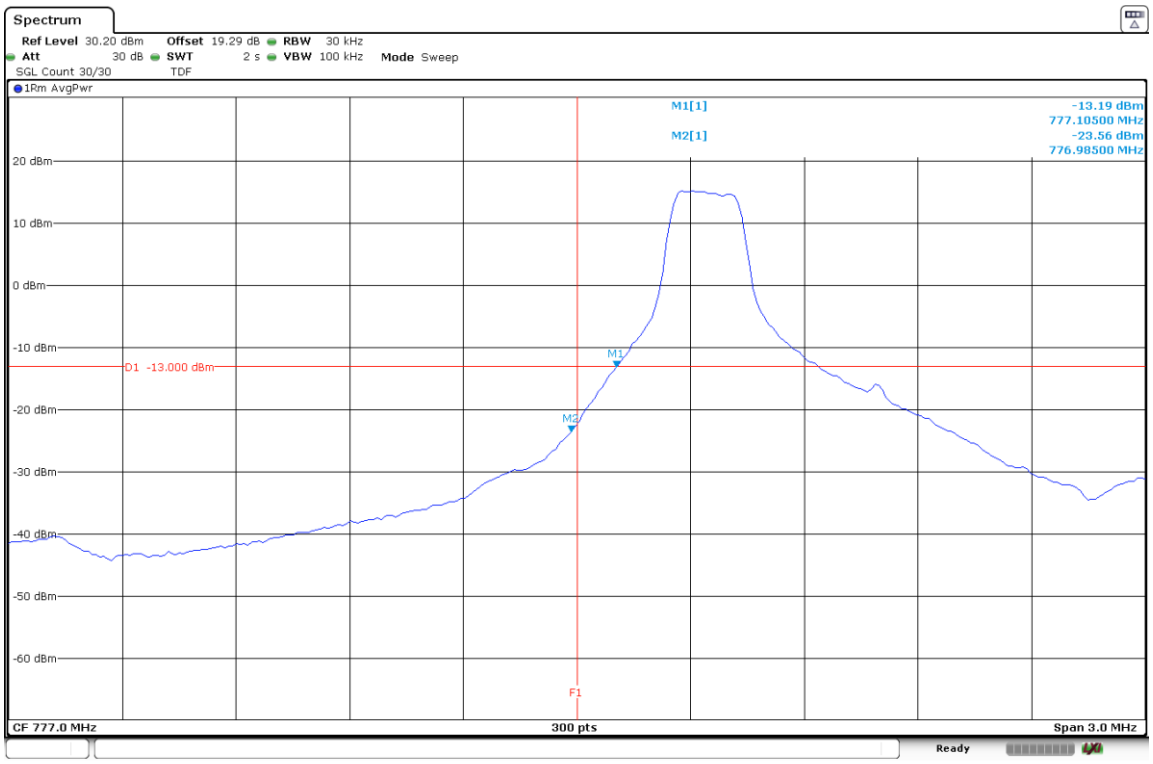
LTE Band 12. QPSK MODULATION. BW=1.4 MHz. RB=All. Offset=0. High Block Edge:



The equipment transmits at the maximum output power

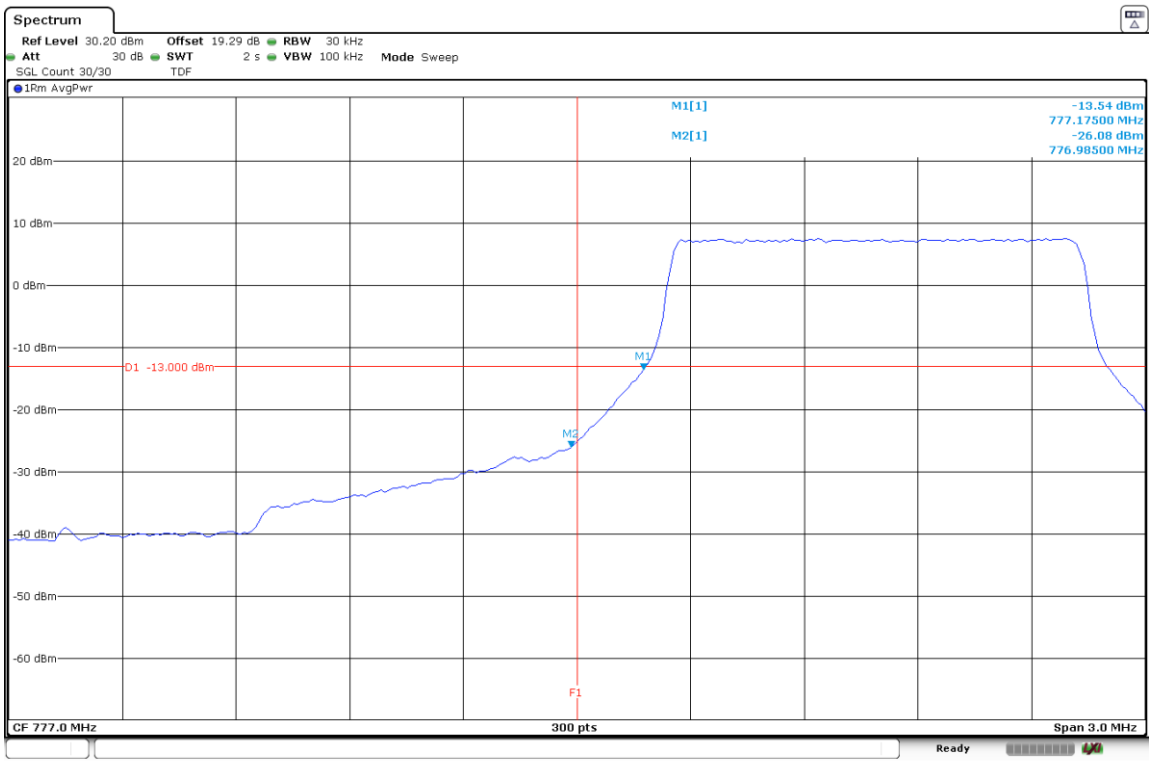
LTE Band 13:

LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=1. Offset=0. Narrowband=0. Low Block Edge:



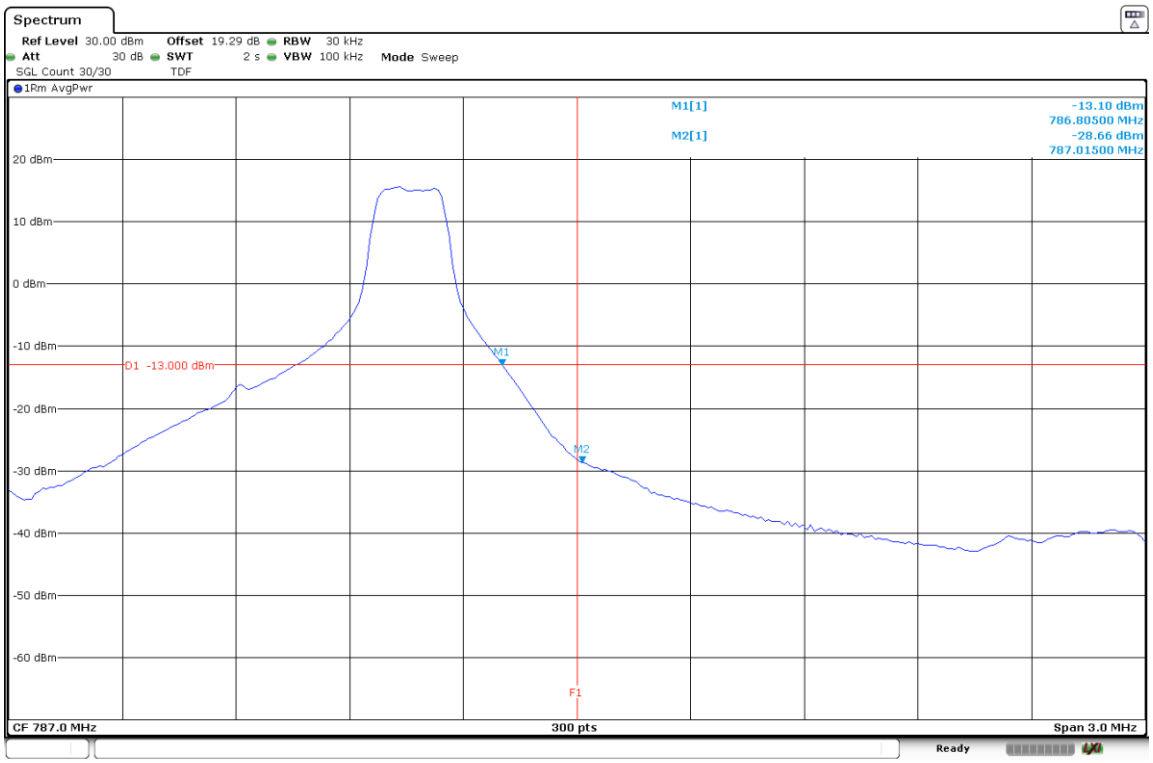
The equipment transmits at the maximum output power

LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Narrowband=0. Low Block Edge:



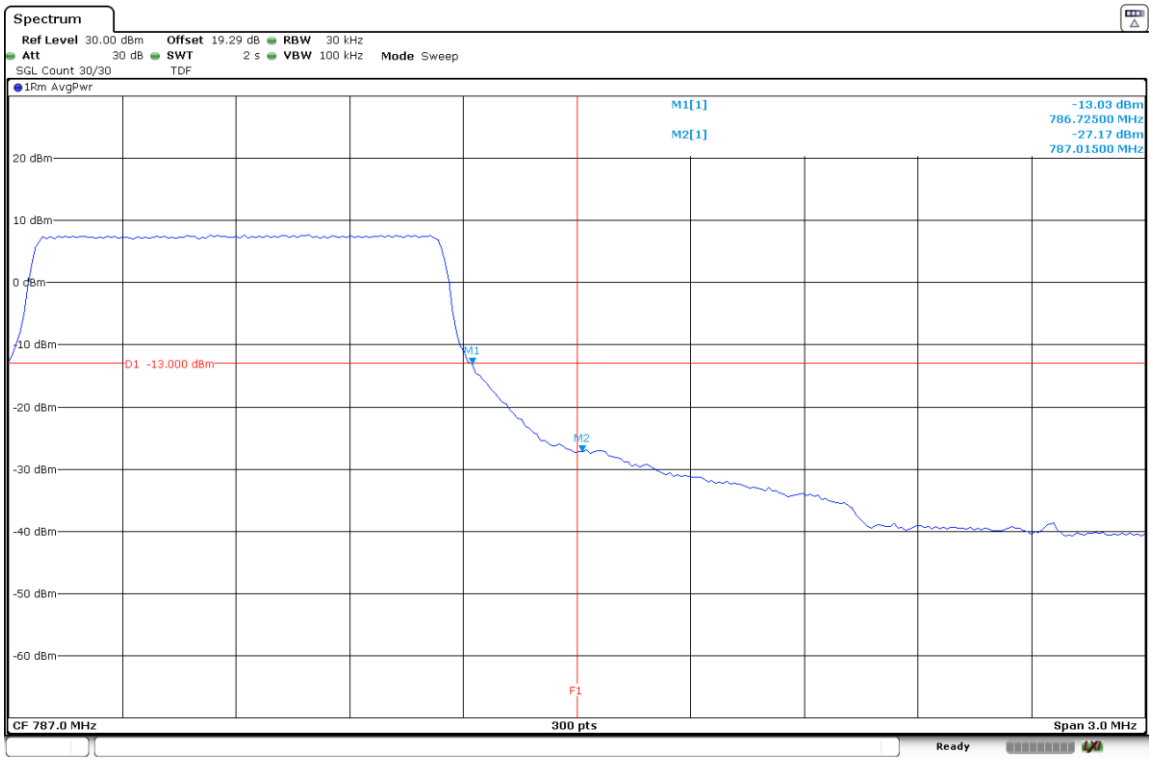
The equipment transmits at the maximum output power

LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=1. Offset=Max. Narrowband=3. High Block Edge:



The equipment transmits at the maximum output power

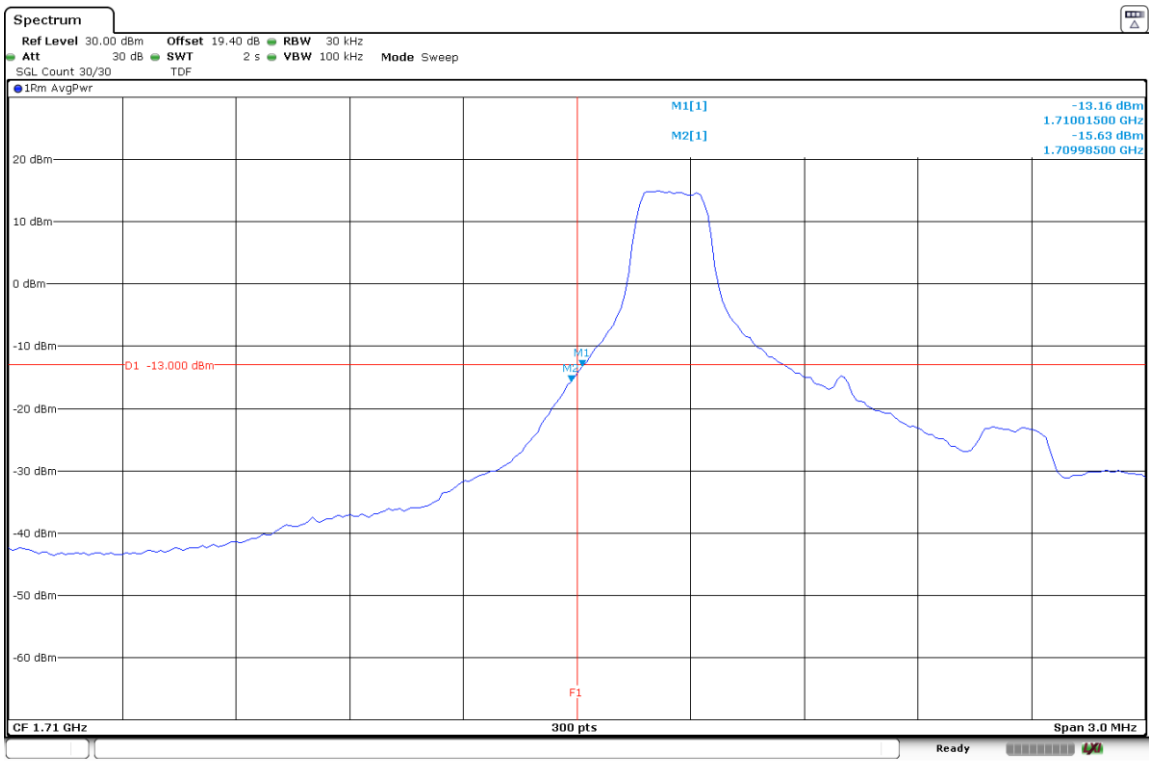
LTE Band 13. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Narrowband=3. High Block Edge:



The equipment transmits at the maximum output power

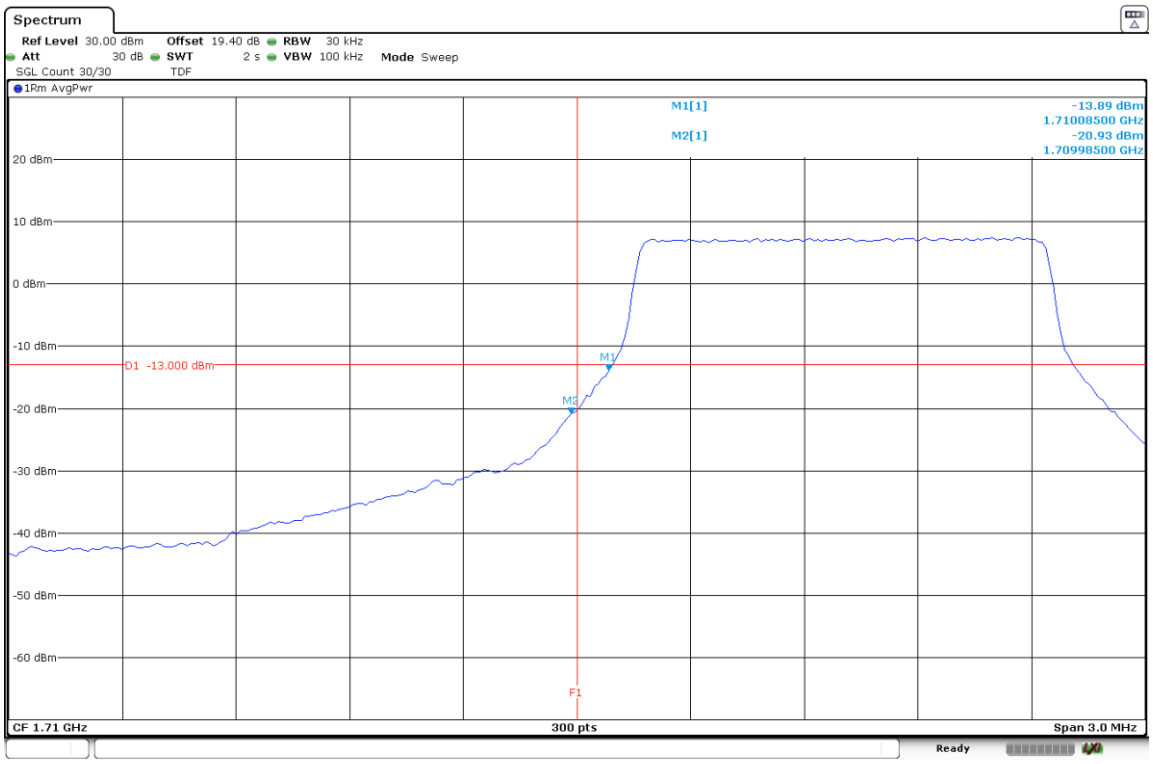
LTE Band 66:

LTE Band 66. QPSK MODULATION. BW=1.4 MHz. RB=1. Offset=0. Narrowband=0. Low Block Edge:



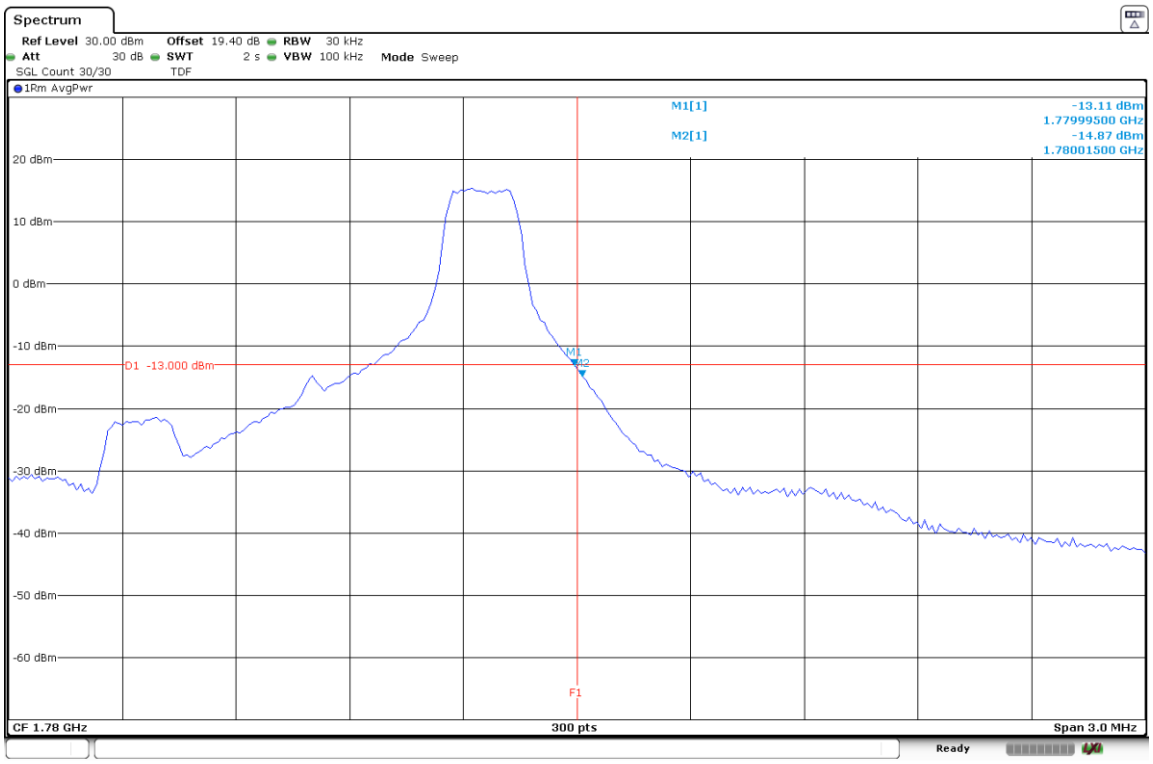
The equipment transmits at the maximum output power

LTE Band 66. QPSK MODULATION. BW=1.4 MHz. RB=All. Offset=0. Narrowband=0. Low Block Edge:



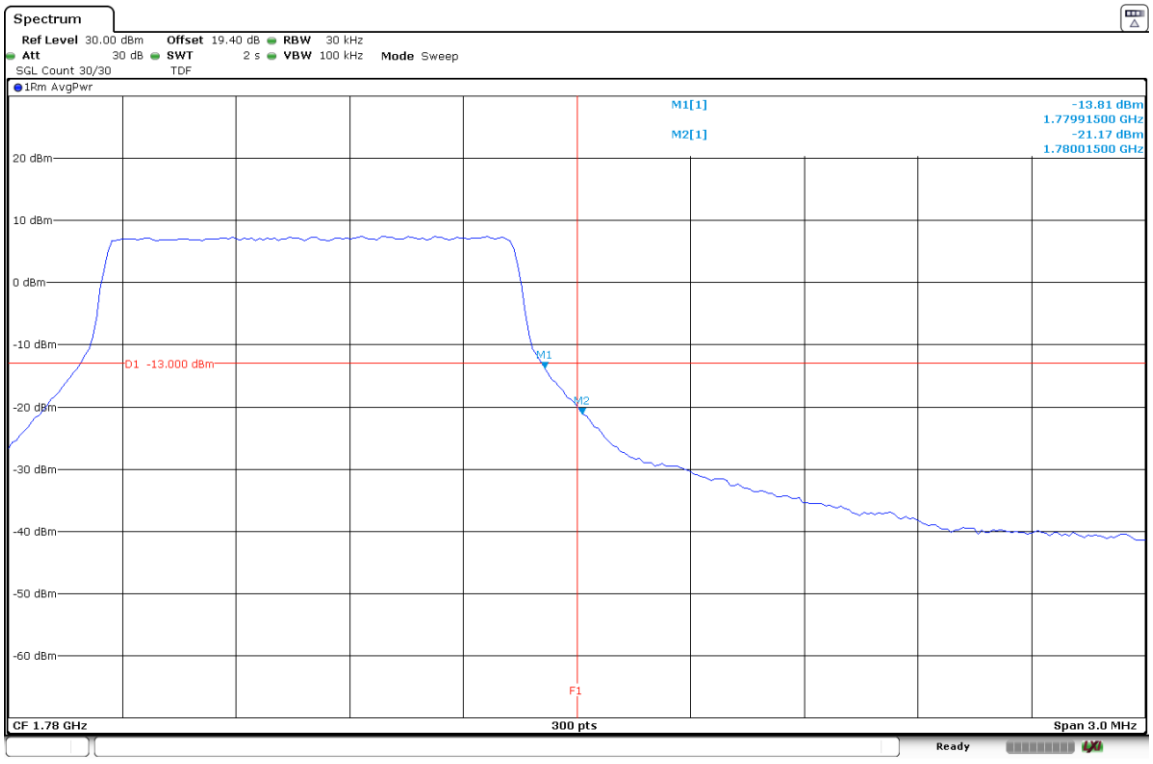
The equipment transmits at the maximum output power

LTE Band 66. QPSK MODULATION. BW=1.4 MHz. RB=1. Offset=Max. Narrowband=0. High Block Edge:



The equipment transmits at the maximum output power

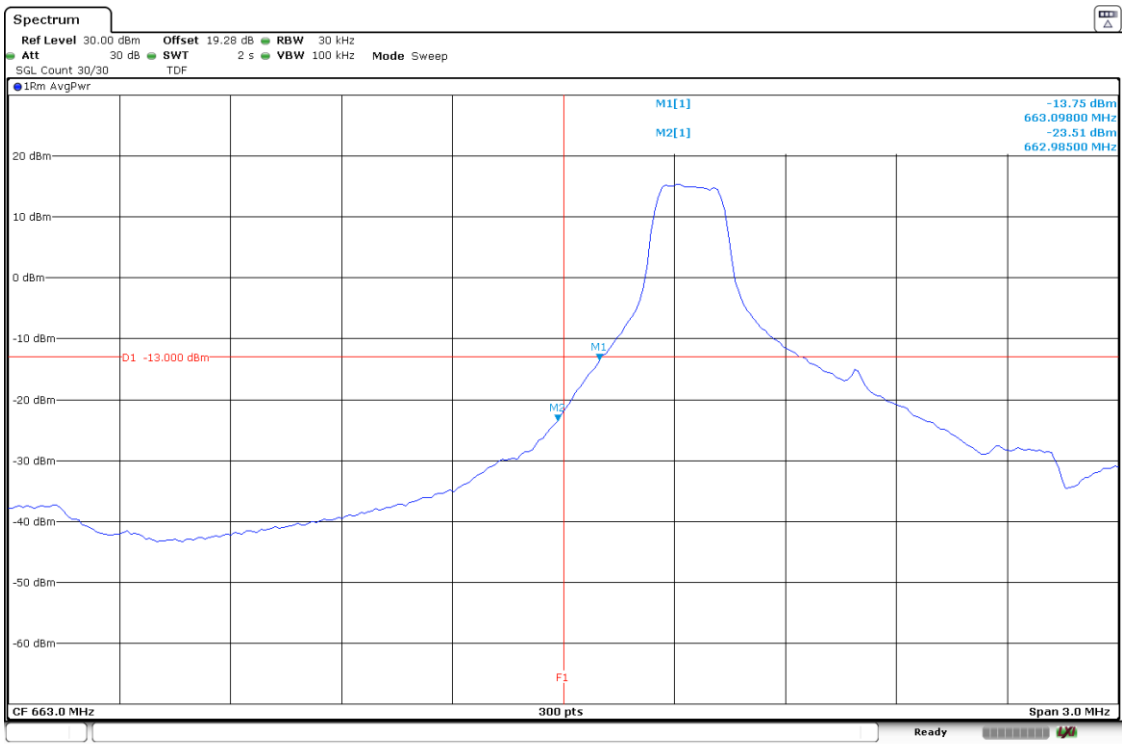
LTE Band 66. QPSK MODULATION. BW=1.4 MHz. RB=All. Offset=0. Narrowband=0. High Block Edge:



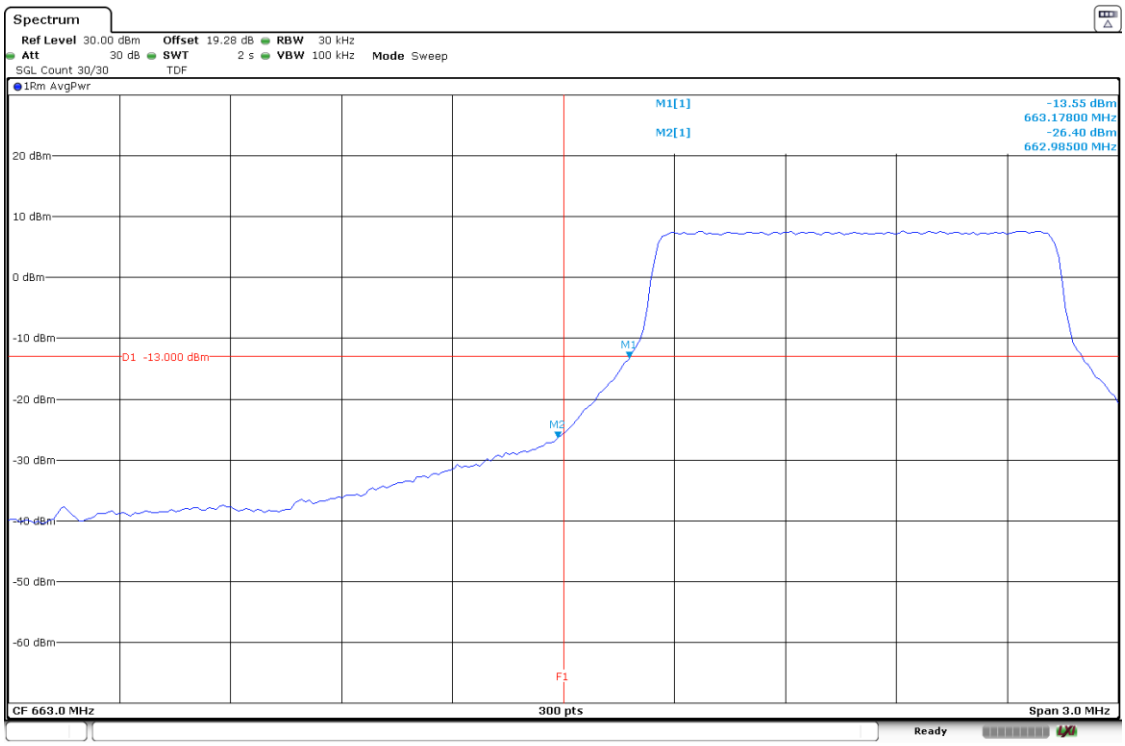
The equipment transmits at the maximum output power

LTE Band 71:

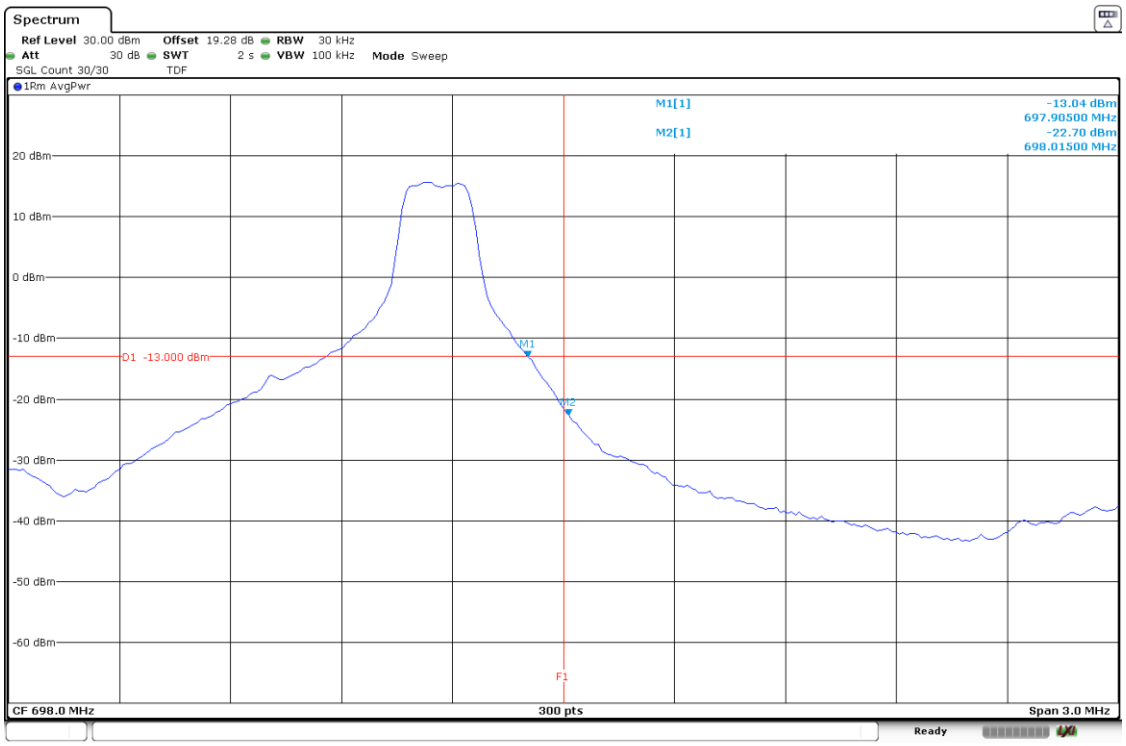
LTE Band 71. QPSK MODULATION. BW=5 MHz. RB=1. Offset=0. Narrowband=0. Low Block Edge:



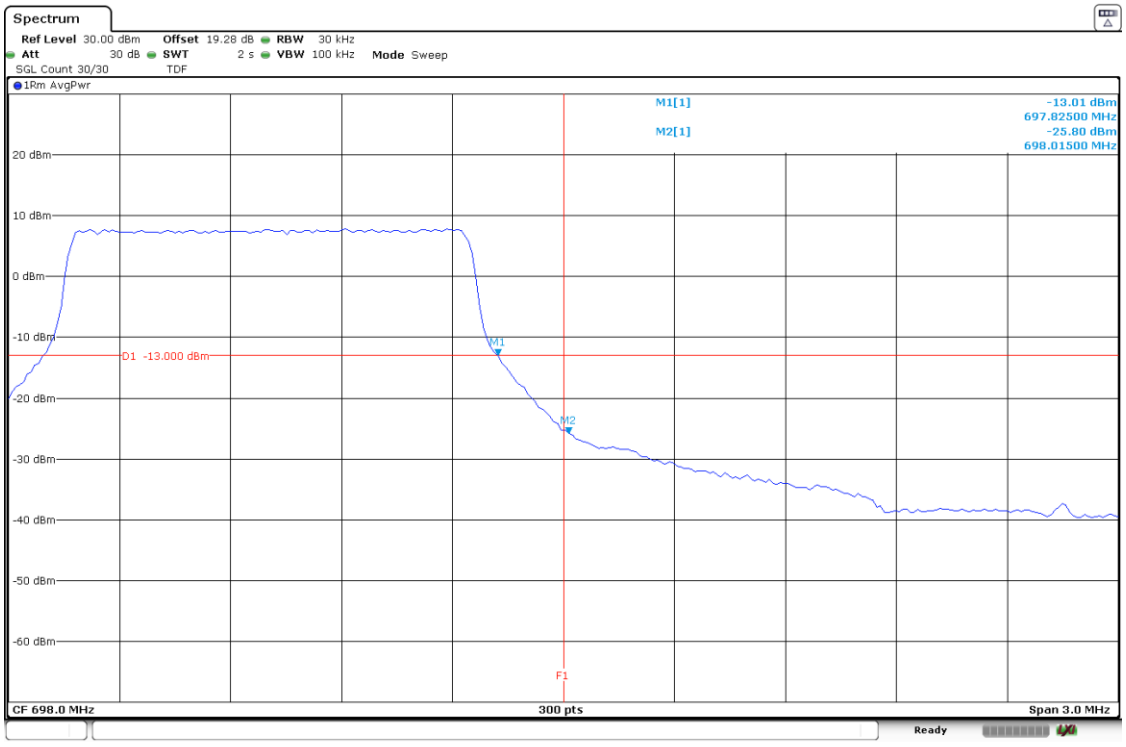
LTE Band 71. QPSK MODULATION. BW=5 MHz. RB=All. Offset=0. Narrowband=0. Low Block Edge:



LTE Band 71. QPSK MODULATION. BW=5 MHz. RB=1. Offset. 5 Narrowband=3. High Block Edge:



L TE Band 71. QPSK MODULATION. BW=5 MHz. RB=All. Offset. 0 Narrowband=3. High Block Edge:



Radiated Emissions

Limits:

1. LTE Band 12. FCC §27.53 (g) / RSS-130 Clause 4.7.1.

FCC §27.53 (g):

> For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater.

RSS-130 Clause 4.7.1:

> The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB.

2. LTE Cat-M1 Band 13. FCC §2.1053 & §27.53 (c) (2) (4) & (f) / RSS-130 Issue 2 Clause 4.7.1. & 4.7.2.

FCC §27.53 (c) (2) (4) & (f):

> (c) (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB.
>
> (c) (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.
>
> (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW (-40 dBm)/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW (-50 dBm) EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

RSS-130 Issue 2 Clause 4.7.1 and 4.7.2:

> 4.7.1. The power of any unwanted emissions in any 100 kHz bandwidth on any frequency outside the frequency range(s) within which the equipment is designed to operate shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside the equipment's operating frequency range, a resolution bandwidth of 30 kHz may be employed.
>
> 4.7.2. In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:
>
> a. the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
>
> i. 76 + 10 log10 p (watts), dB, for base and fixed equipment and
>
> ii. 65 + 10 log10 p (watts), dB, for mobile and portable equipment
>
> b. the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW (-40 dBm) /MHz for wideband signal and -80 dBW(-50 dBm) for discrete emission with bandwidth less than 700 Hz.

3. LTE Cat-M1 66. FCC §2.1053 & §27.53 (h) / RSS-139 Issue 4 Clause 5.6.

FCC §27.53 (h):

(h) For operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

RSS-139 Issue 4 Clause 5.6:

Unwanted emissions shall be measured in terms of average value.
Equipment shall have the TRP or conducted power (all antenna connectors), of unwanted emissions outside the frequency block or frequency block group not exceeding the limits shown in the next table:

Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤1 MHz	-13 dBm/(1% of OB)
>1 MHz	-13 dBm/MHz

Where OB is the occupied bandwidth.

4. LTE Cat-M1 71. FCC §2.1053 & §27.53 (g) / RSS-130 Issue 2 Clause 4.7.

FCC §27.53 (g):

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

RSS-130 Issue 2 Clause 4.7:

4.7.1. The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

Method:

The measurement was performed with the EUT inside an anechoic chamber.
The spectrum was scanned from 30 MHz to at least the 10th harmonic of the highest frequency generated within the equipment.

The EUT was placed on a non-conductive stand at 3-meter distance from the measuring antenna for the frequency range 30 MHz to 18 GHz.

Detected emissions were maximized at each frequency by rotating the EUT and adjusting the height and polarization of the measuring antenna. The maximum meter reading was recorded.

Measurement Limits:

At Po transmitting power, the specified minimum attenuation 43 + 10 log10 p (watts) becomes:

Po (dBm) - [43 + 10 log (Po in mwatts) - 30] = -13 dBm

At Po transmitting power, the specified minimum attenuation 65 + 10 log10 p (watts) becomes:

Po (dBm) - [65 + 10 log (Po in mwatts) - 30] = -35 dBm

For operation in band 13, the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW (-40 dBm) per MHz for wideband signals, and -80 dBW (-50 dBm) for discrete emissions of less than 700 Hz bandwidth.

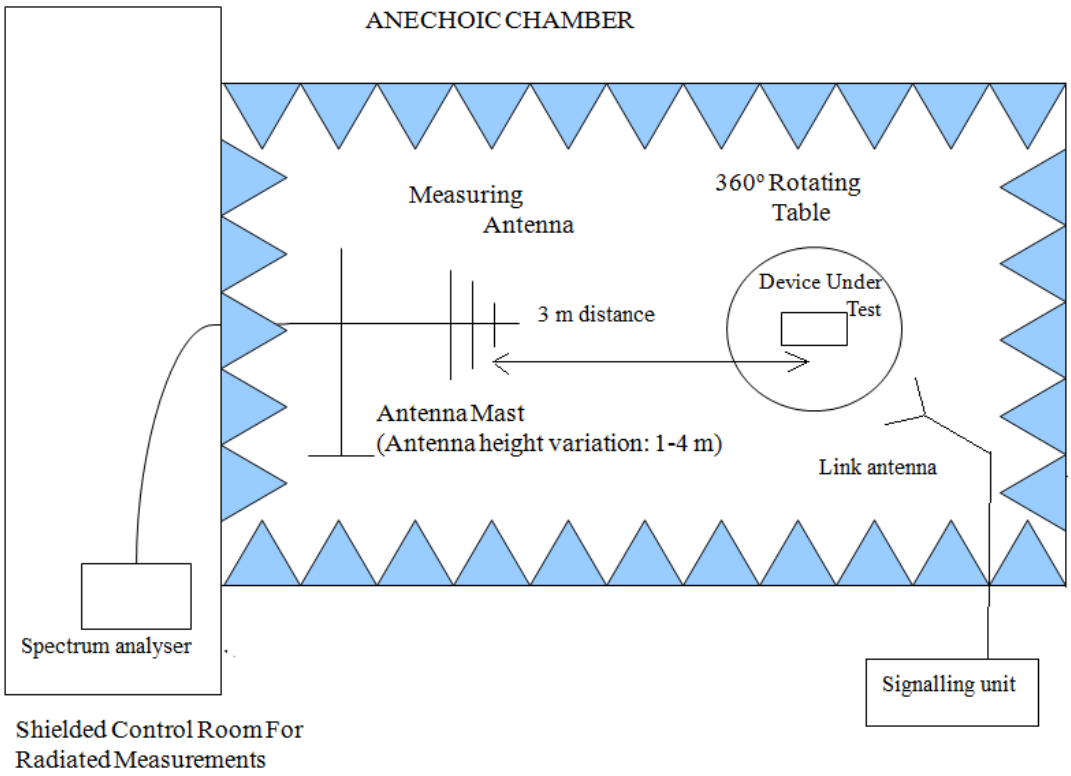
The maximum field strength (dBµV/m) of each detected emission at less than 20 dB respect to the limit is converted to an equivalent EIRP level (dBm) according to ANSI C63.26 with the formula:

EIRP (dBm) = E (dBµV/m) + 20 log(D) - 104.8;

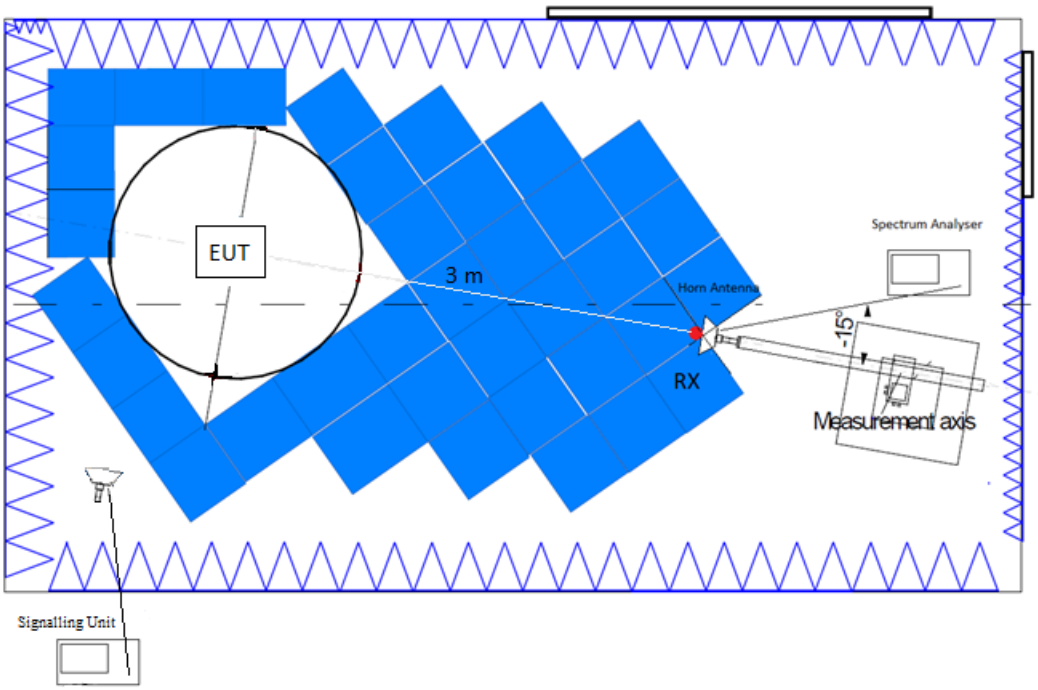
where D is the measurement distance (in the far field region) in m. D = 3m.

Test setup:

Radiated measurements setup from 30 MHz to 1 GHz:



Radiated measurements setup from 1 GHz to 18 GHz:



Results:

Test was performed on worst-case channel in terms of radiated spurious emissions, determined by a preliminary scan.

LTE Band 12:

A preliminary scan determined the QPSK modulation, BW=1.4 MHz, RB=1, Offset=0, Narrow Band=0 as the worst case. The next results are for this worst-case configuration.

- LOW CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

Measurement uncertainty (dB)	< ±5.35 for f < 1 GHz < ±4.32 for f ≥ 1 GHz up to 8 GHz

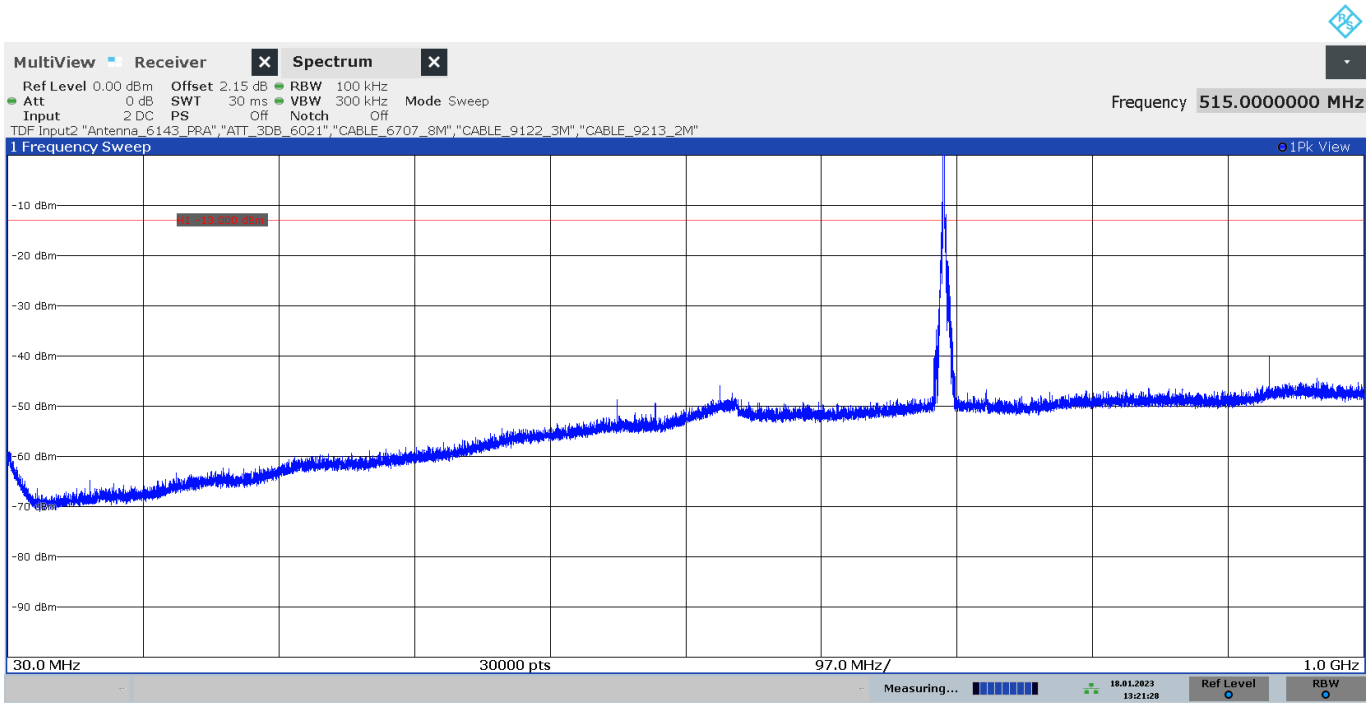
Verdict

Pass

LTE Band 12:

FREQUENCY RANGE 30 MHz - 1 GHz:

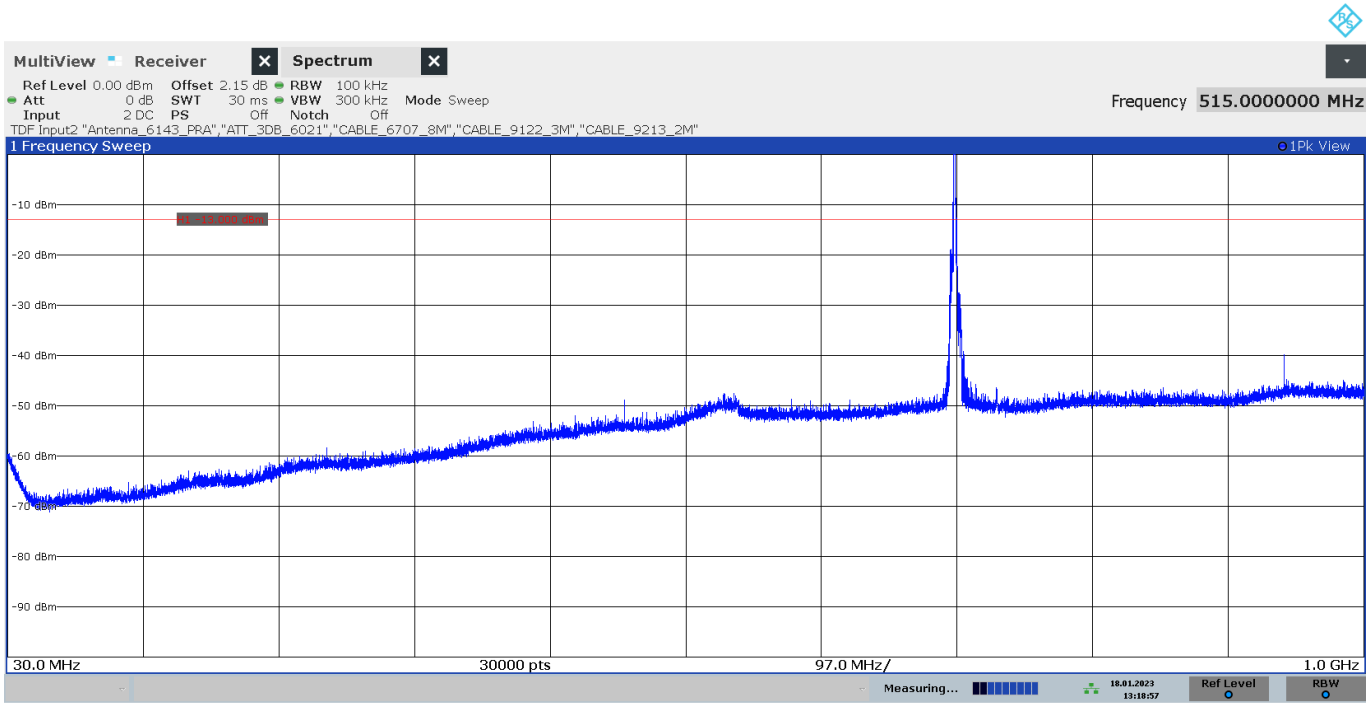
- LOW CHANNEL:



13:21:28 18.01.2023

The peak above the limit is the LTE Cat-M1 Band 12 carrier frequency.

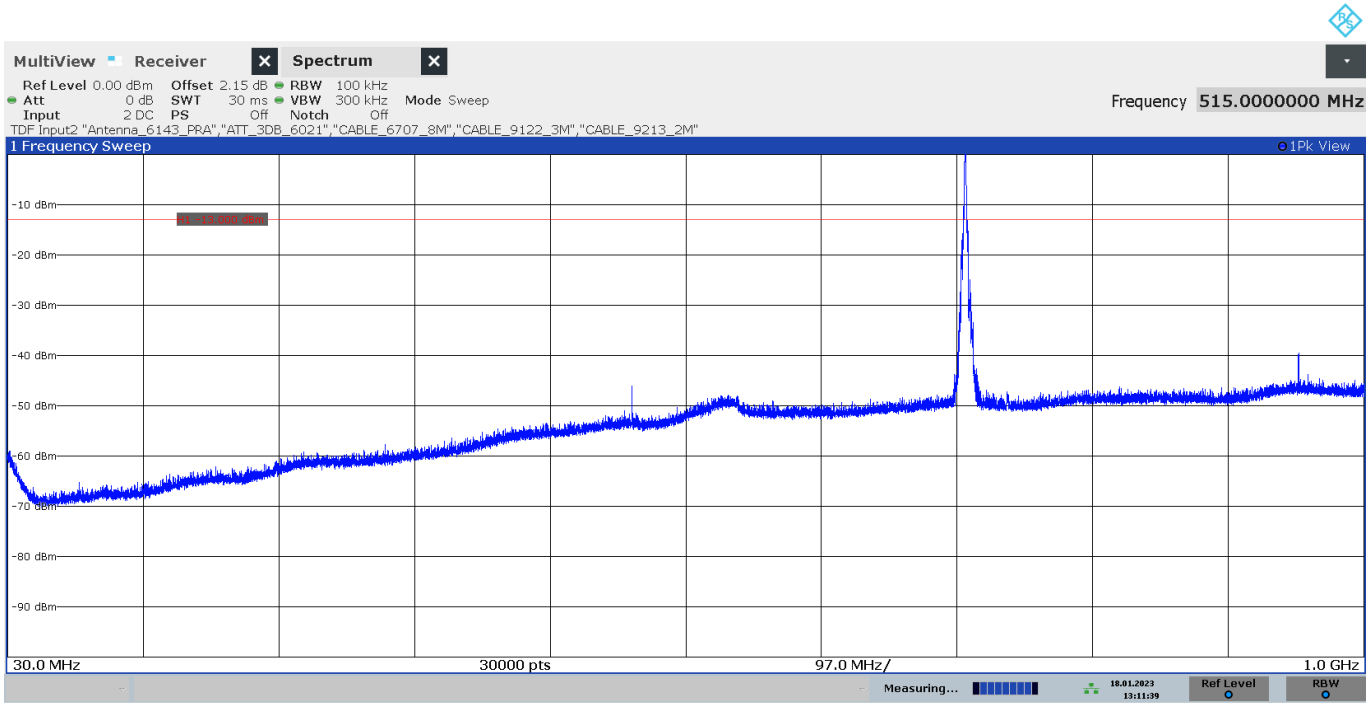
- MIDDLE CHANNEL:



13:18:57 18.01.2023

The peak above the limit is the LTE Cat-M1 Band 12 carrier frequency.

- HIGH CHANNEL:

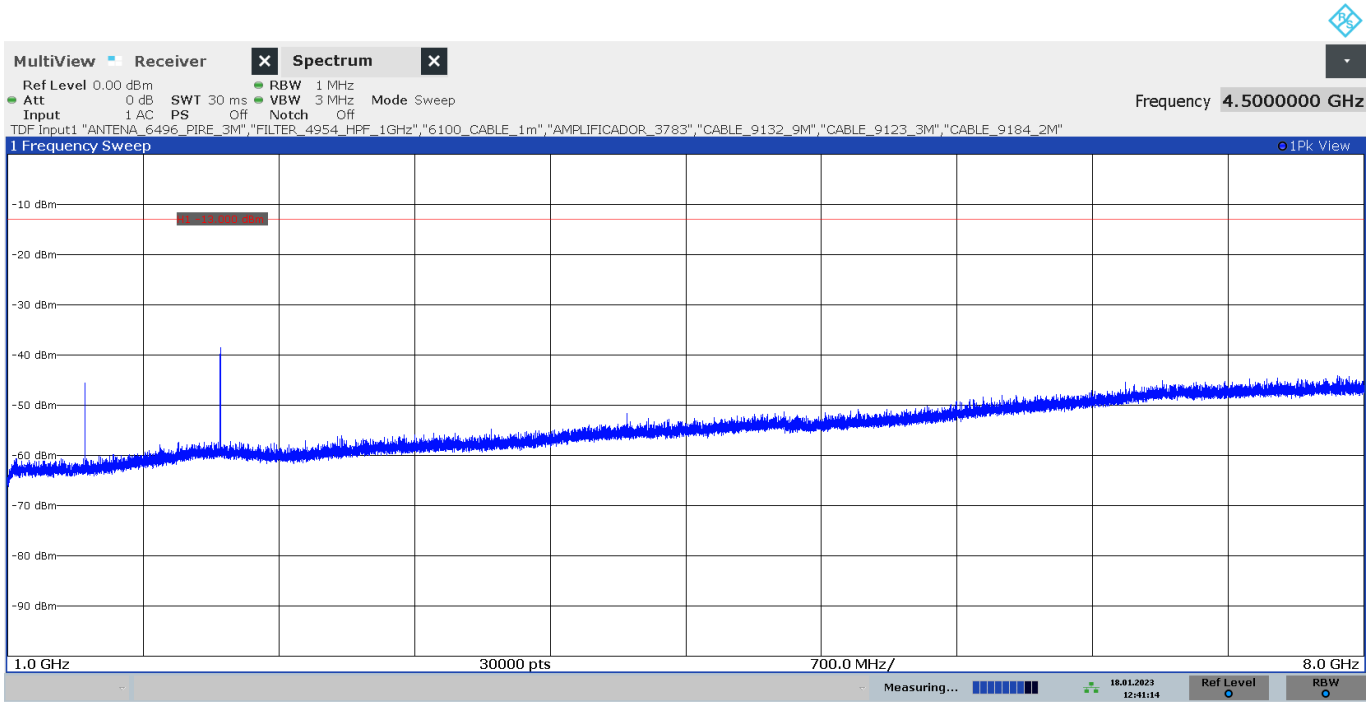


13:11:39 18.01.2023

The peak above the limit is the LTE Cat-M1 Band 12 carrier frequency.

FREQUENCY RANGE 1 GHz - 8 GHz

- LOW CHANNEL:



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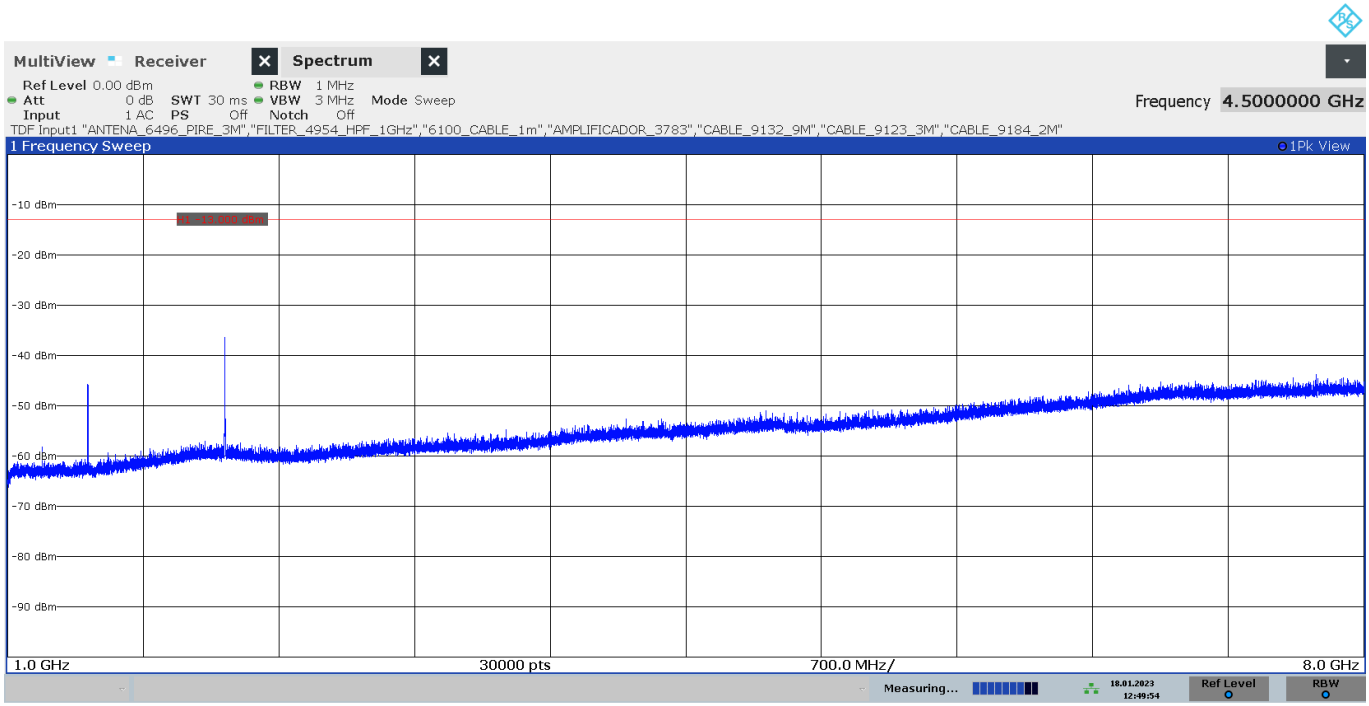
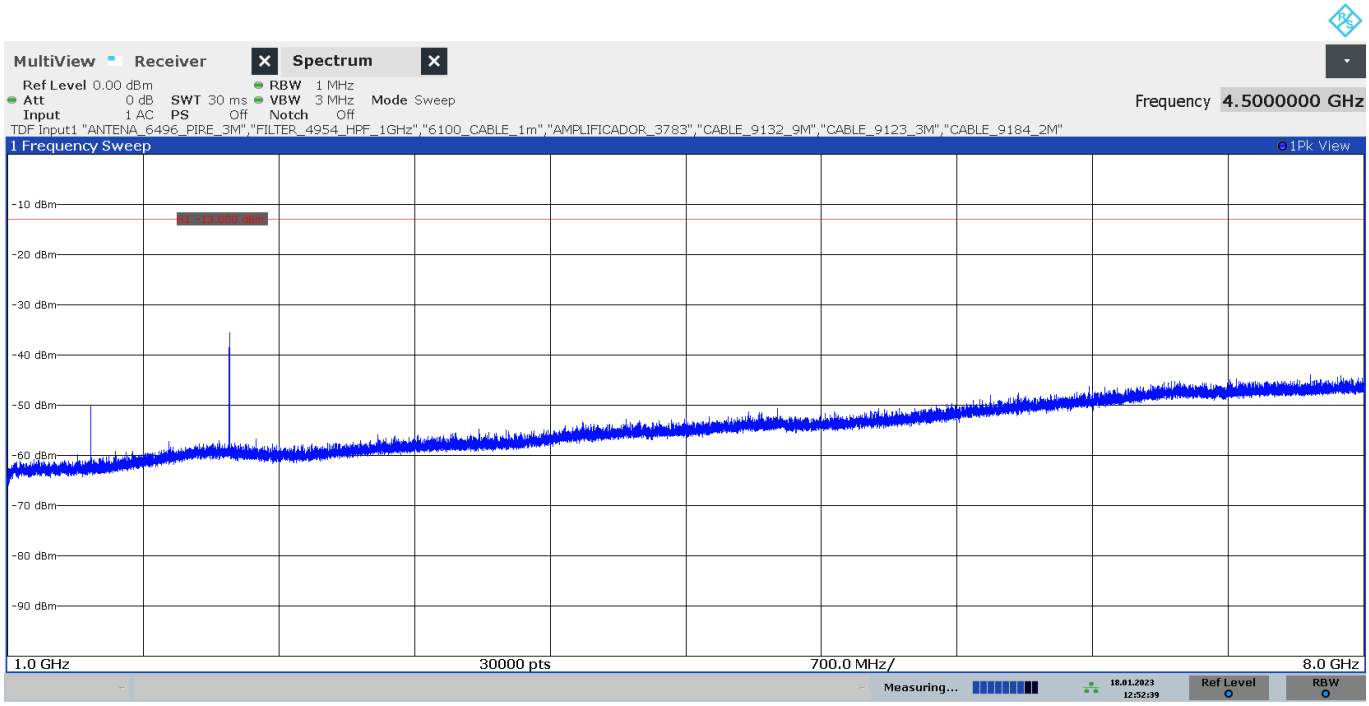
- MIDDLE CHANNEL:



12:49:54 18.01.2023

- HIGH CHANNEL:



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LTE Band 13:

A preliminary scan determined the QPSK modulation, BW=10 MHz, RB=3, Offset=0, Narrow Band=0 as the worst case. The next results are for this worst-case configuration.

- SINGLE CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 763 - 775 MHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (MHz)	E.I.R.P (dBm)	Polarization	Detector
773	-51.52	H	Peak
774.0958	-48.99	H	Peak
774.9838	-46.13	H	Peak

Frequency range 793 - 806 MHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1559 - 1610 MHz:

No spurious frequencies at less than 20 dB below the limit.

Measurement uncertainty (dB) < ±5.35 for f < 1 GHz
< ±4.32 for f ≥ 1 GHz up to 8 GHz

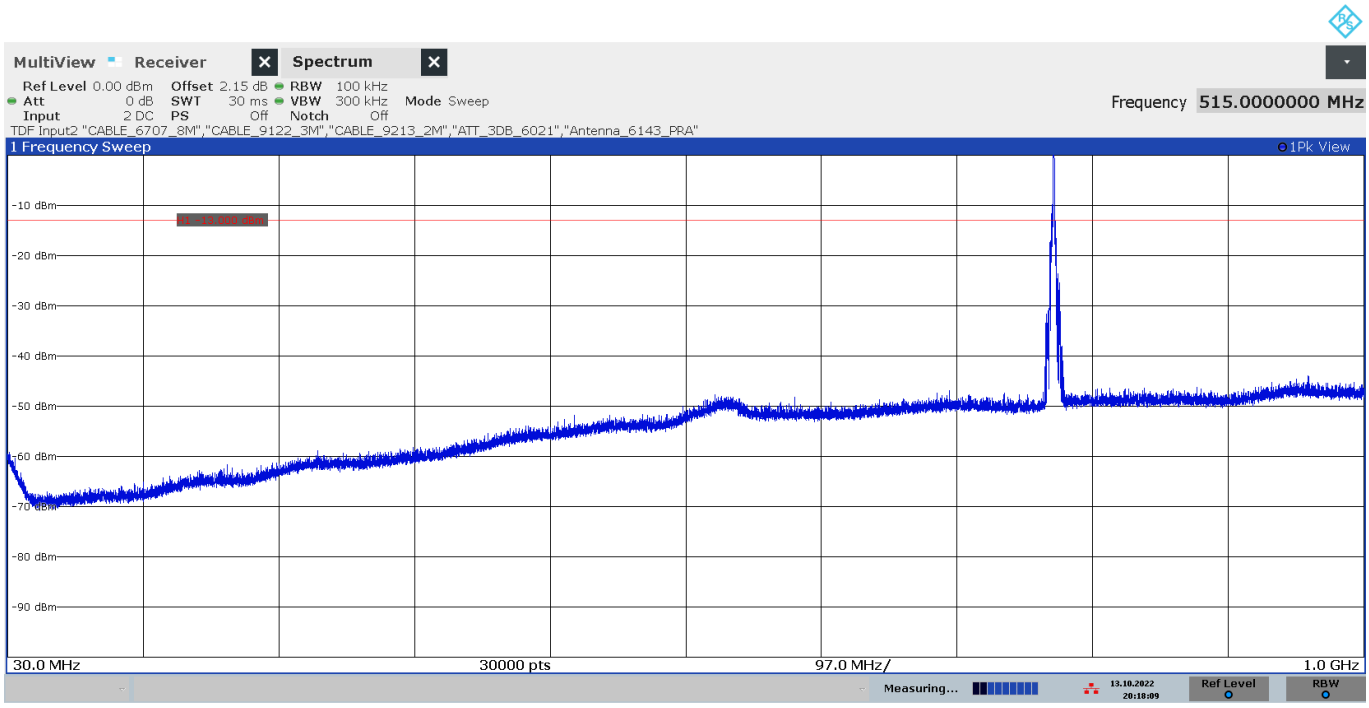
Verdict

Pass

LTE Band 13:

FREQUENCY RANGE 30 MHz - 1 GHz:

- SINGLE CHANNEL:

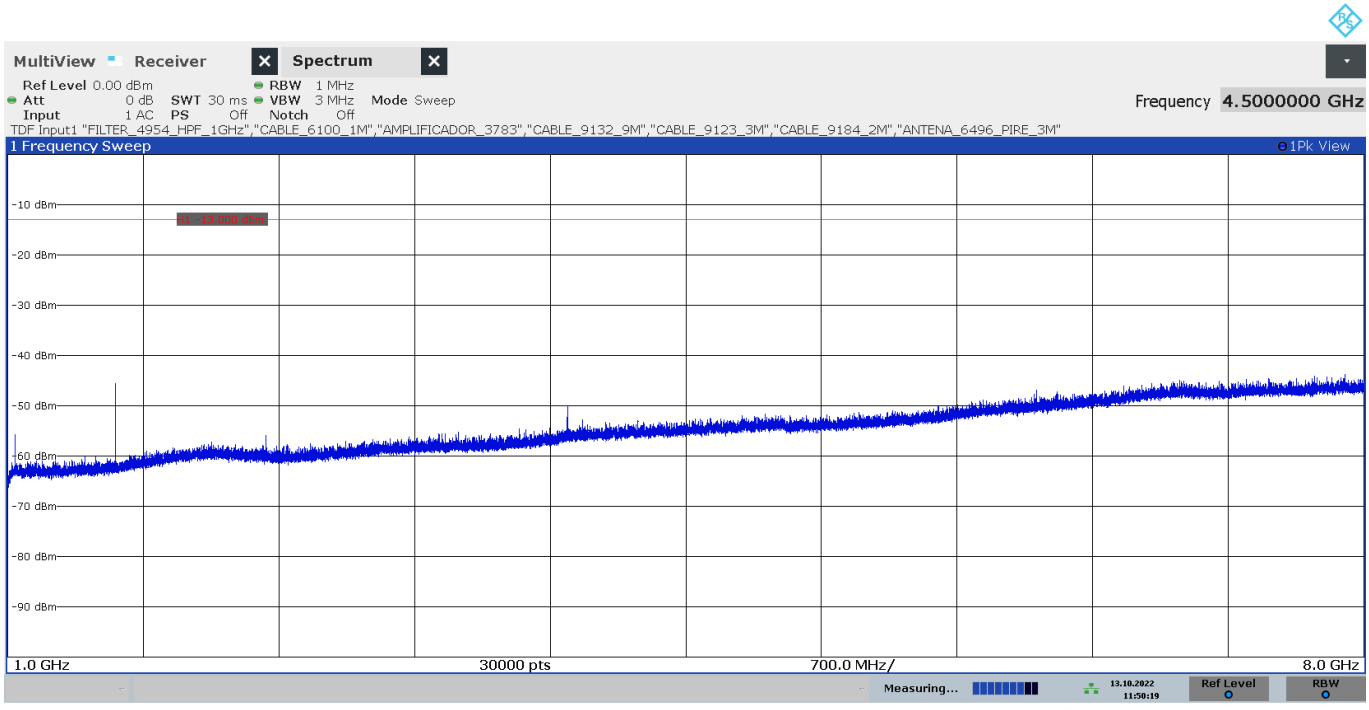


20:18:09 13.10.2022

The peak above the limit is the carrier frequency.

FREQUENCY RANGE 1 - 8 GHz:

- SINGLE CHANNEL:



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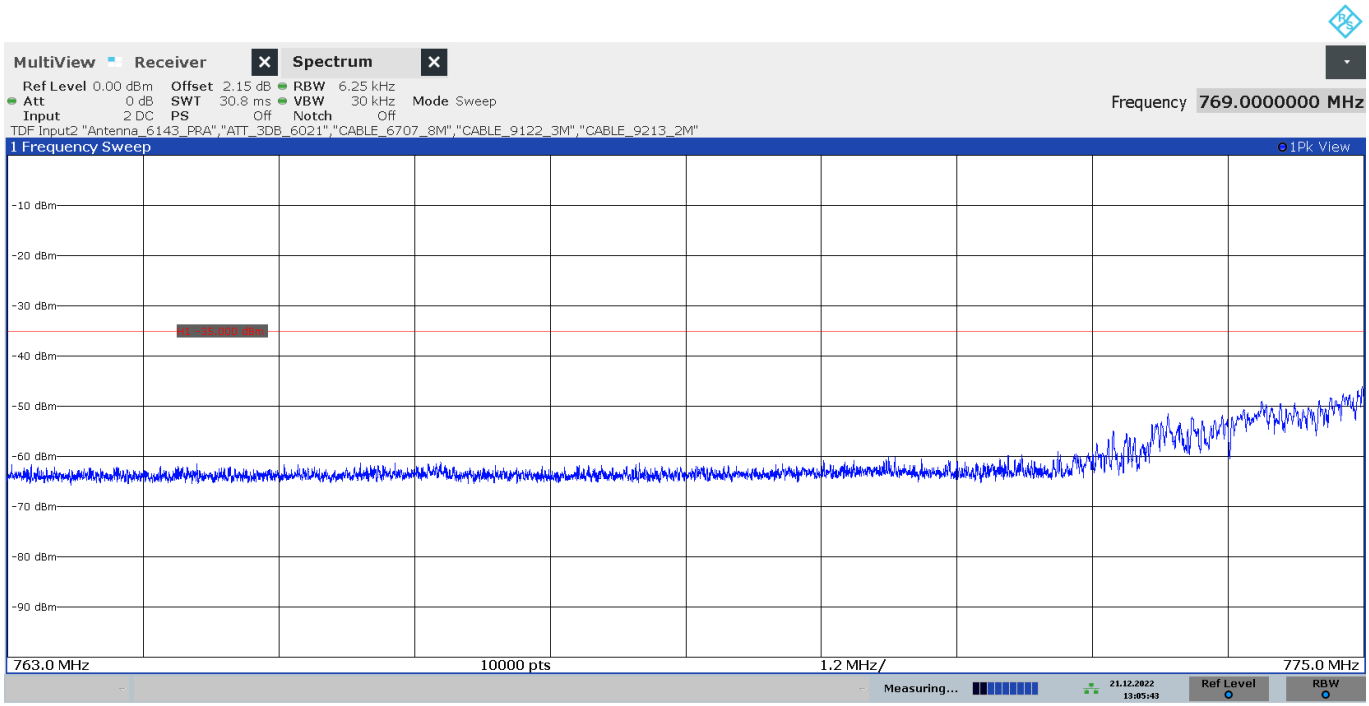
FREQUENCY RANGE 763 - 775 MHz:

- SINGLE CHANNEL:



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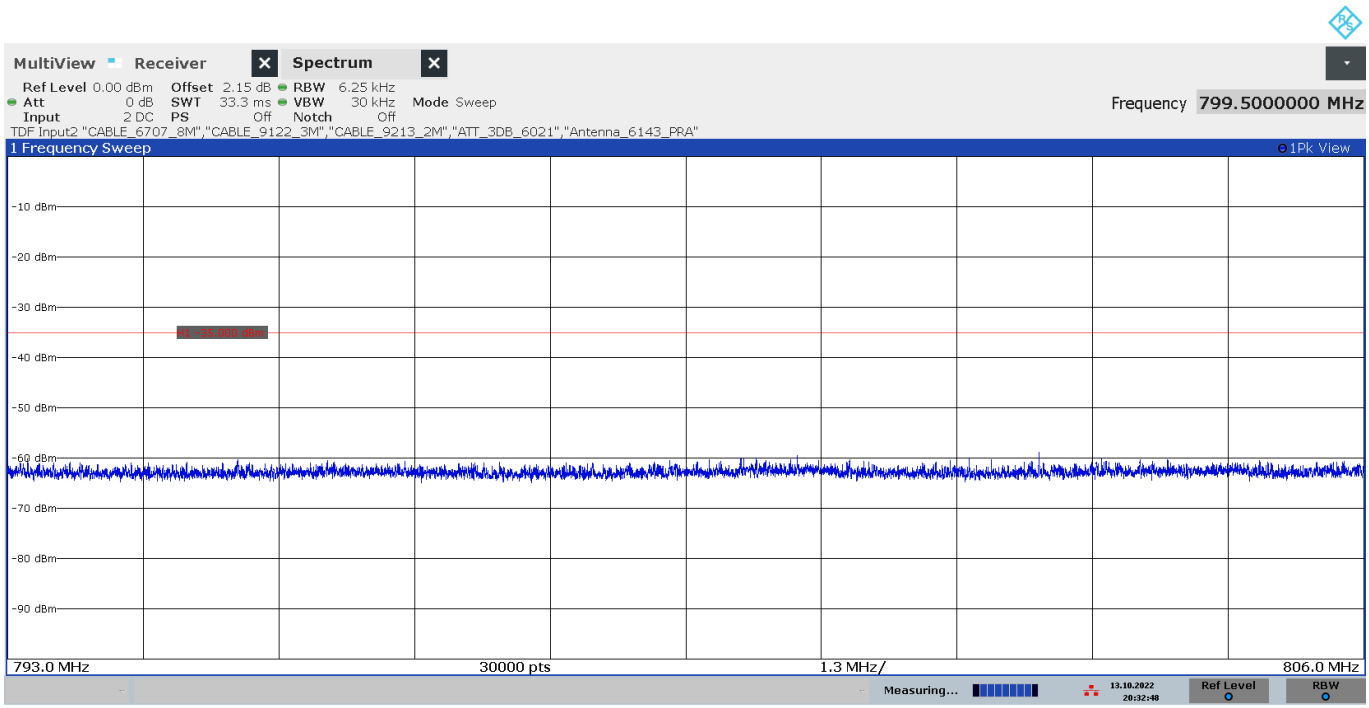
FREQUENCY RANGE 793 - 806 MHz:

- SINGLE CHANNEL:



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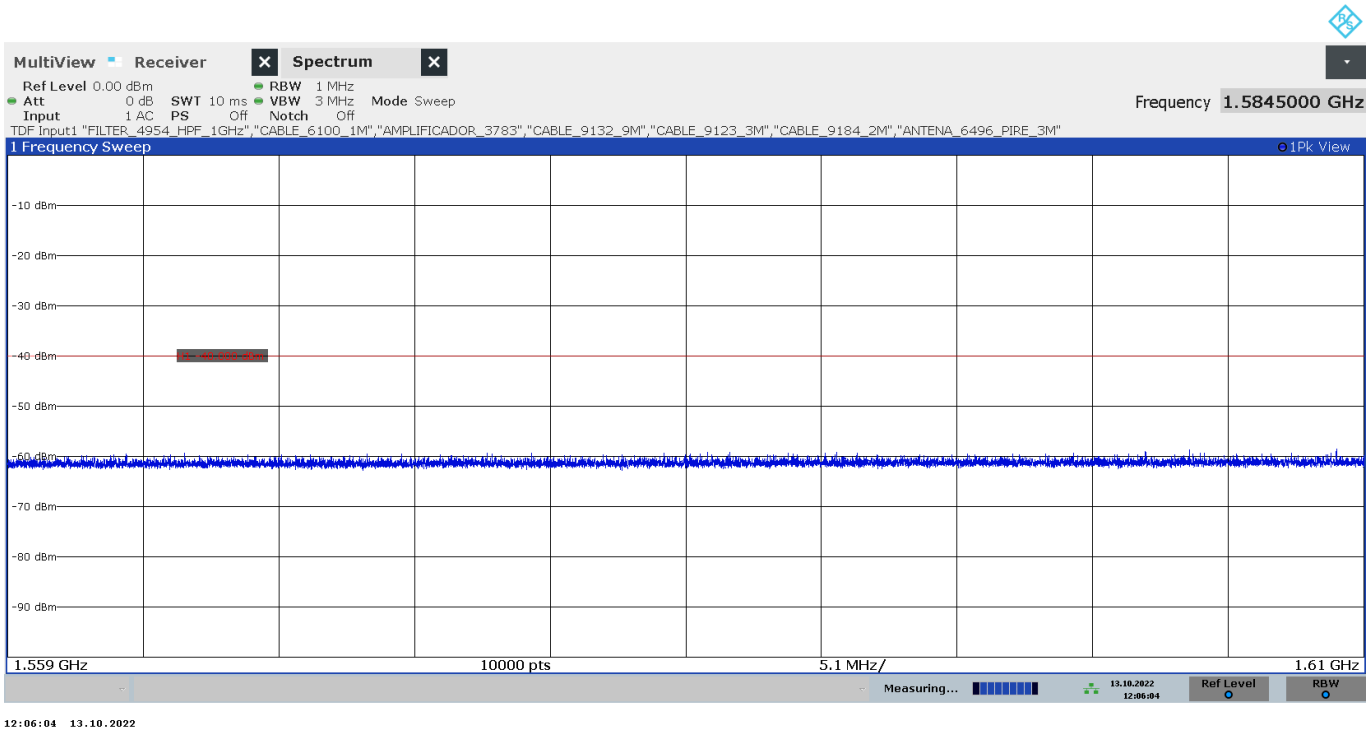
FREQUENCY RANGE 1559 - 1610 MHz:

- SINGLE CHANNEL:



12:06:04 13.10.2022

LTE Band 66:

A preliminary scan determined the QPSK modulation, BW=1.4 MHz, RB=1, RB Offset=0, Narrow Band=0 as the worst-case. The next results are for this worst-case configuration.

- LOW CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector
11.97175	-30.64	V	Peak

- MIDDLE CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 18 GHz:

Spurious frequencies at less than 20 dB below the limit:

Spurious frequency (GHz)	E.I.R.P (dBm)	Polarization	Detector
2.0331	-27.45	H	Peak

Measurement Uncertainty (dB)	<± 5.35 for f < 1 GHz <± 4.32 for f ≥ 1 GHz up to 18 GHz

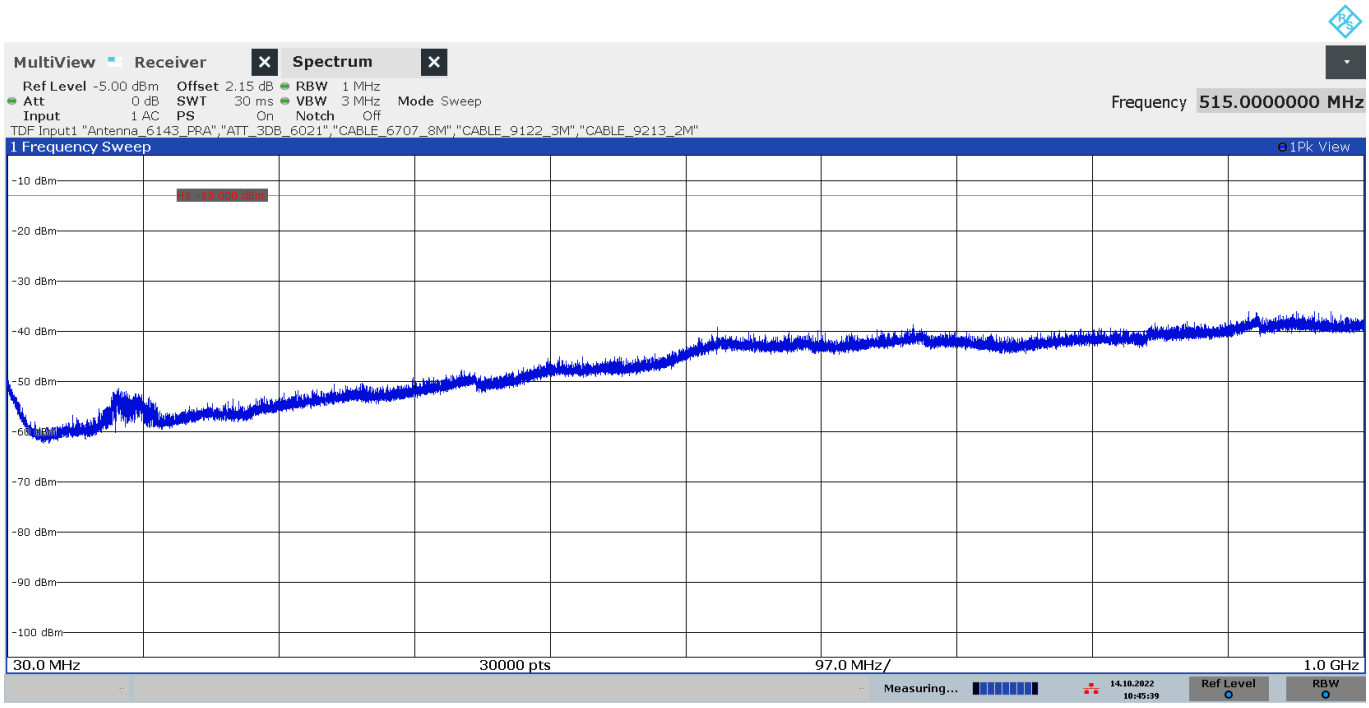
Verdict

Pass

LTE Band 66:

FREQUENCY RANGE 30 MHz - 1 GHz:

- LOW CHANNEL:



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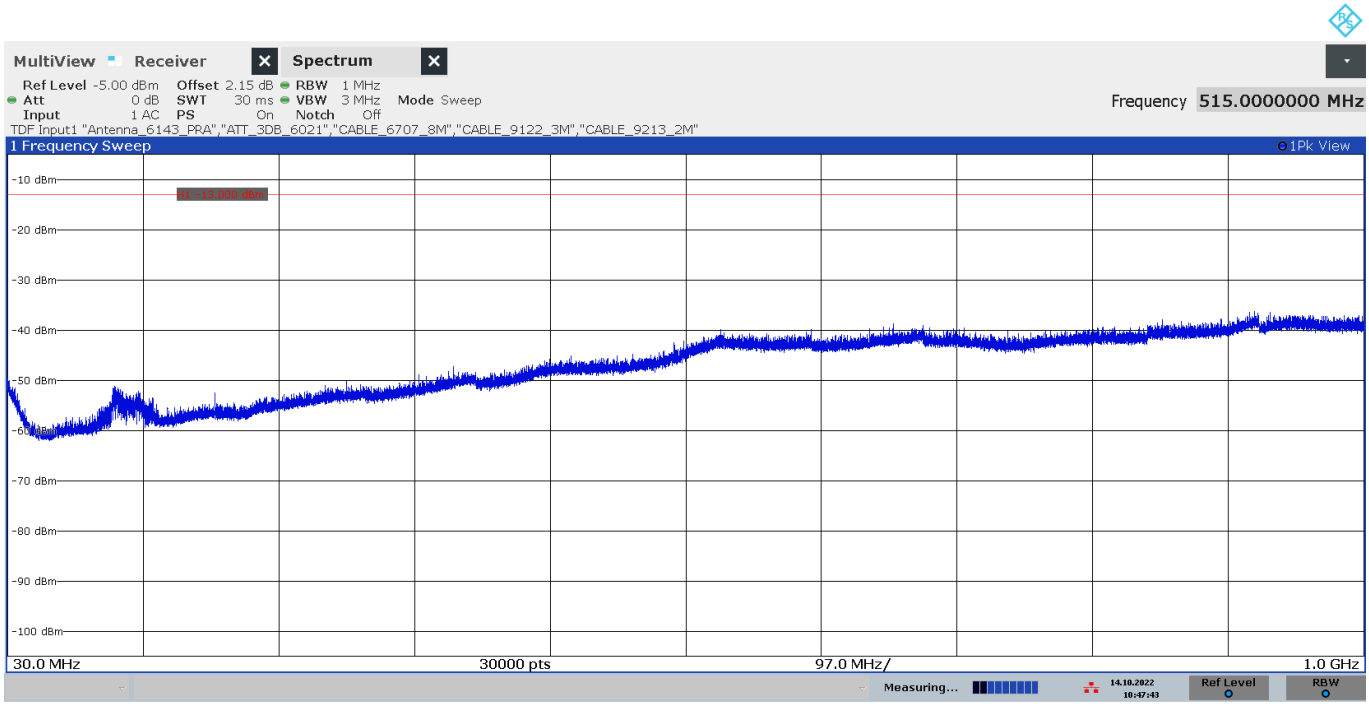
- MIDDLE CHANNEL:



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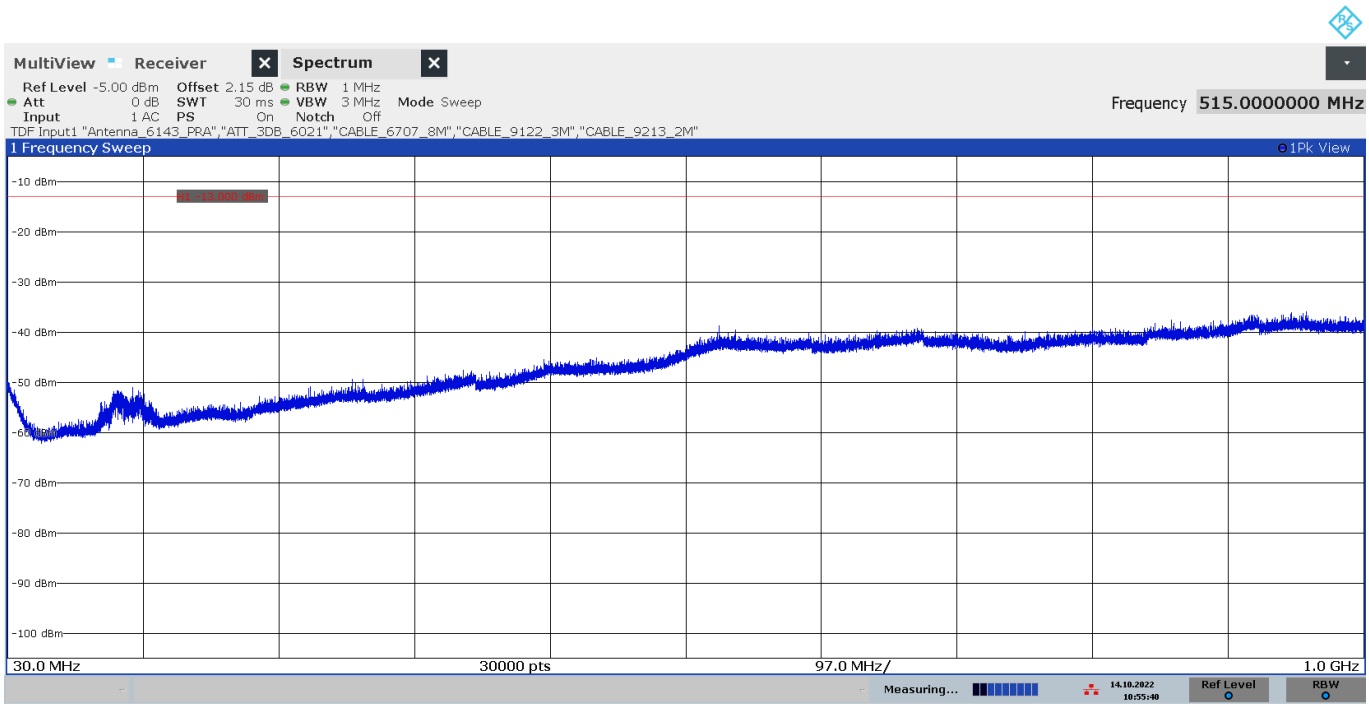
- HIGH CHANNEL:



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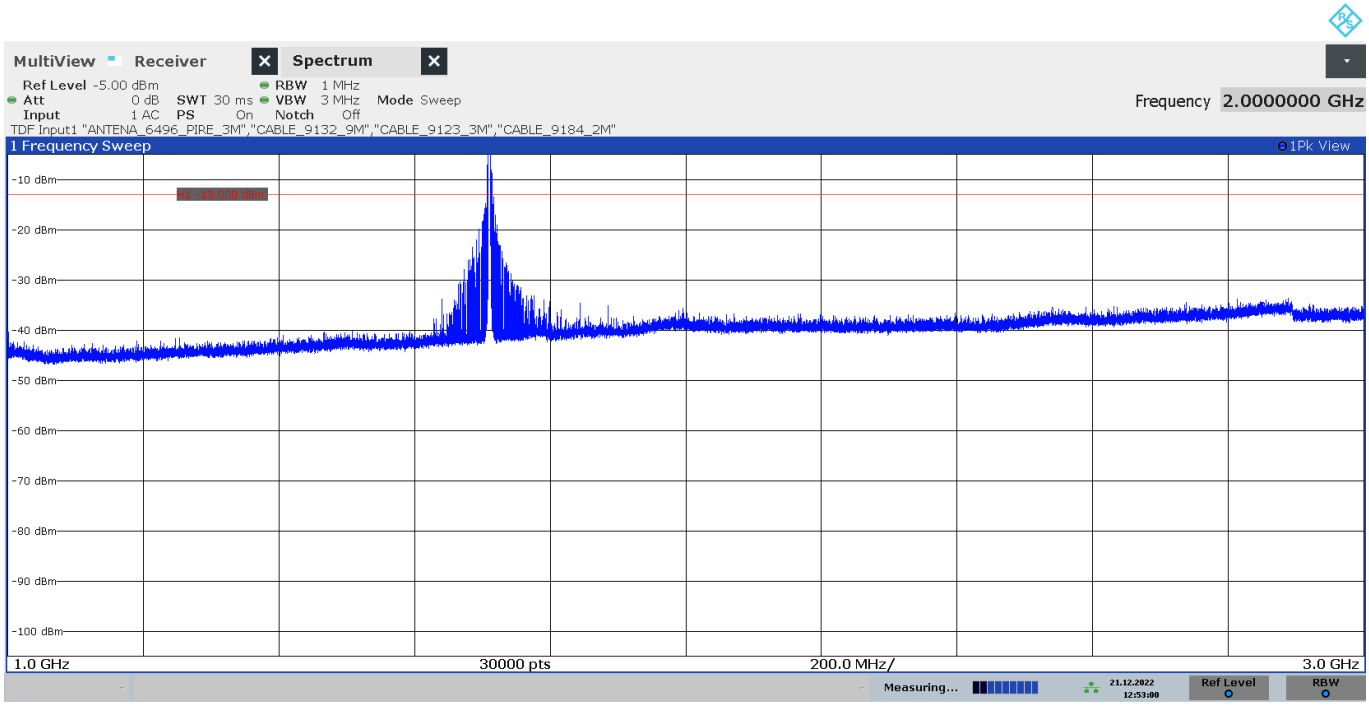
FREQUENCY RANGE 1 - 3 GHz:

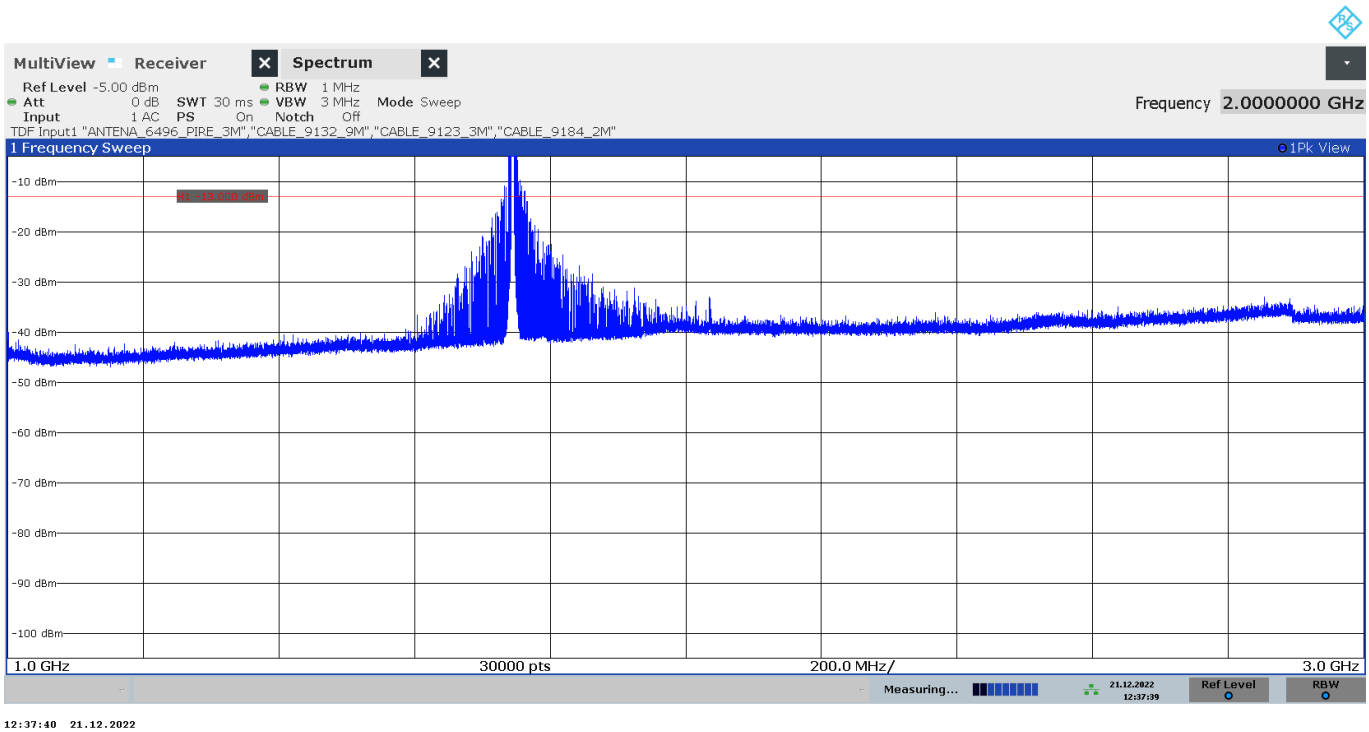
- LOW CHANNEL:



12:53:00 21.12.2022

The peak above the limit is the carrier frequency.

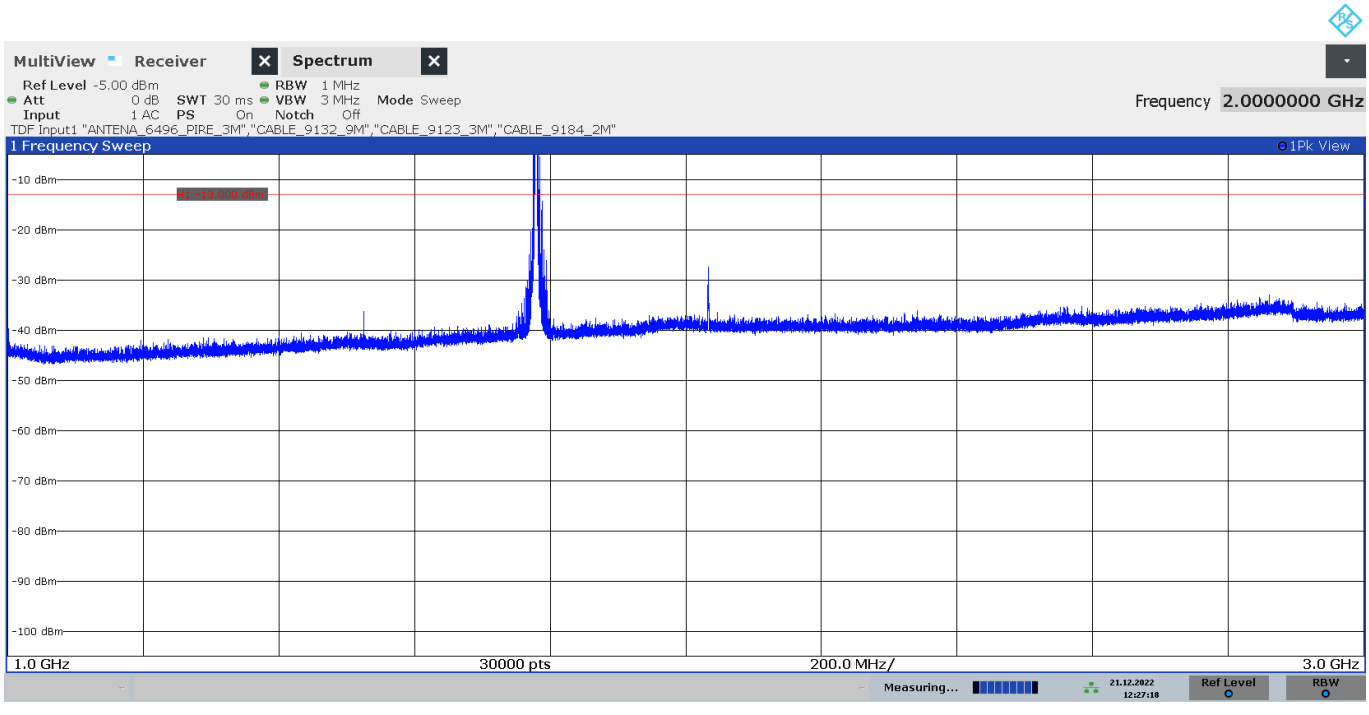
- MIDDLE CHANNEL:



12:37:40 21.12.2022

The peak above the limit is the carrier frequency.

- HIGH CHANNEL:

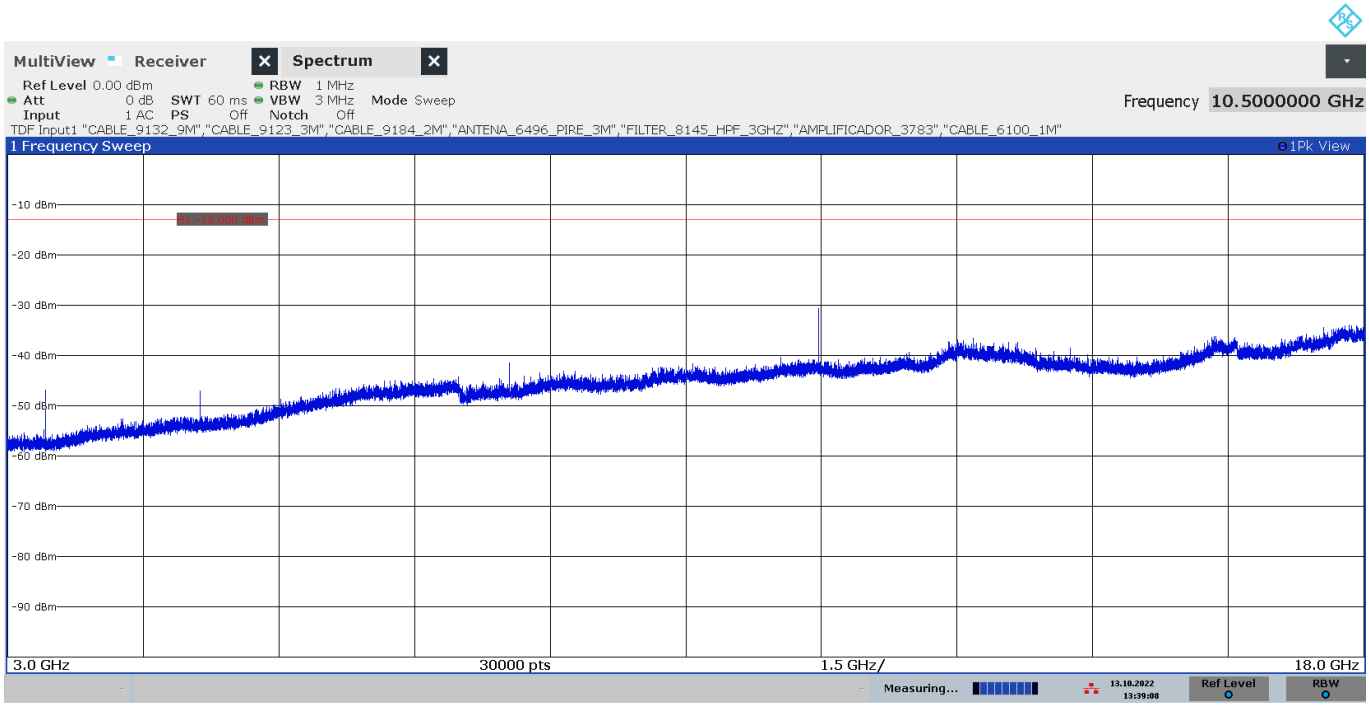


12:27:18 21.12.2022

The peak above the limit is the carrier frequency.

FREQUENCY RANGE 3 - 18 GHz:

- LOW CHANNEL:



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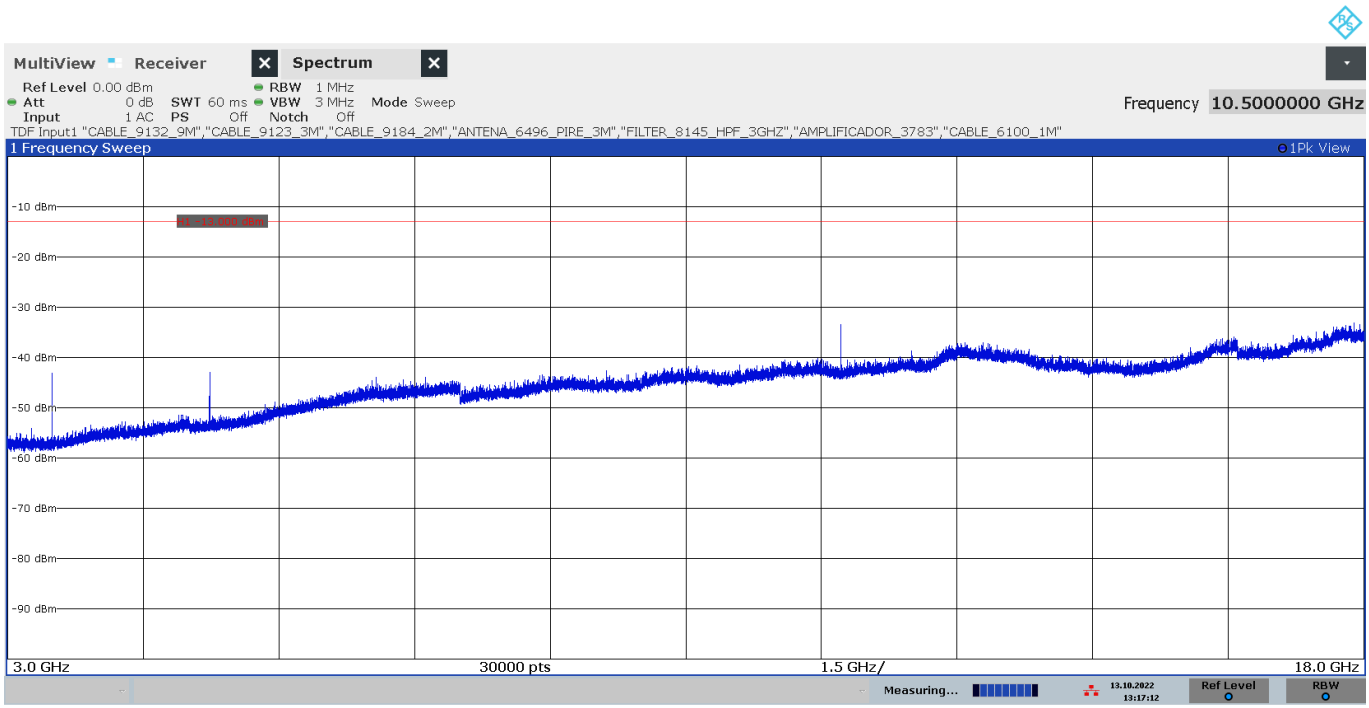
- MIDDLE CHANNEL:



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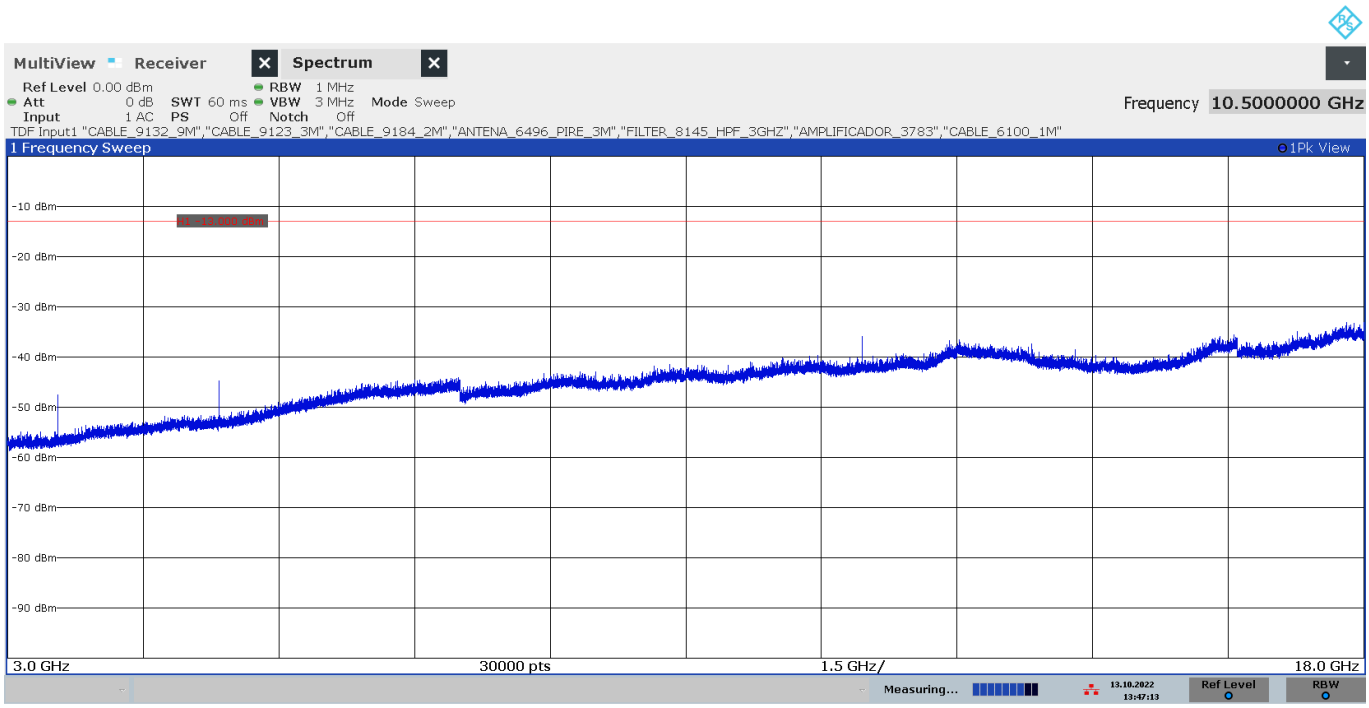
- HIGH CHANNEL:



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LTE Band 71:

A preliminary scan determined the QPSK modulation, BW=10 MHz, RB=1, RB Offset=0, Narrow Band=0 as the worst-case. The next results are for this worst-case configuration.

- LOW CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

- MIDDLE CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

- HIGH CHANNEL:

Frequency range 30 MHz - 1 GHz:

No spurious frequencies at less than 20 dB below the limit.

Frequency range 1 - 8 GHz:

No spurious frequencies at less than 20 dB below the limit.

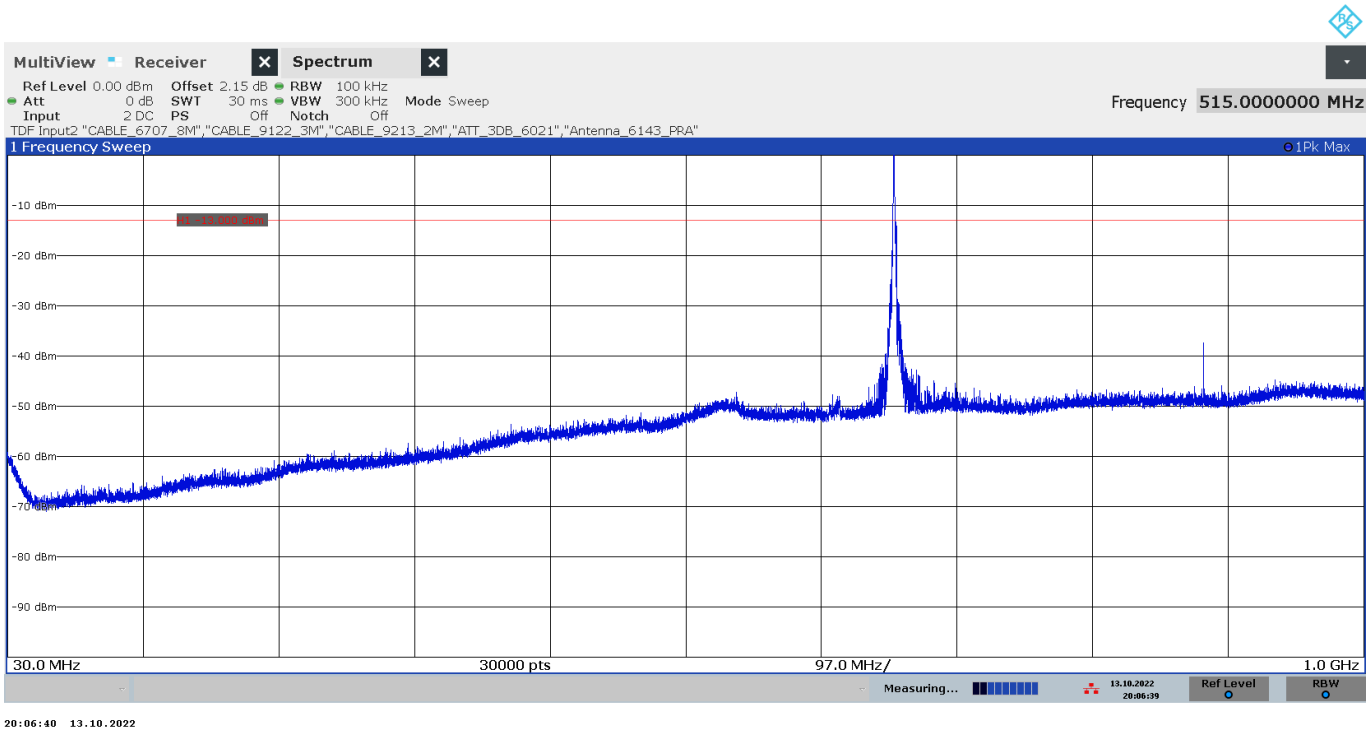
Measurement Uncertainty (dB)	<± 4.99 for f < 1 GHz <± 4.98 for f ≥ 1 GHz up to 8 GHz

Verdict: PASS

LTE Band 71:

FREQUENCY RANGE 30 MHz - 1 GHz (worst-case):

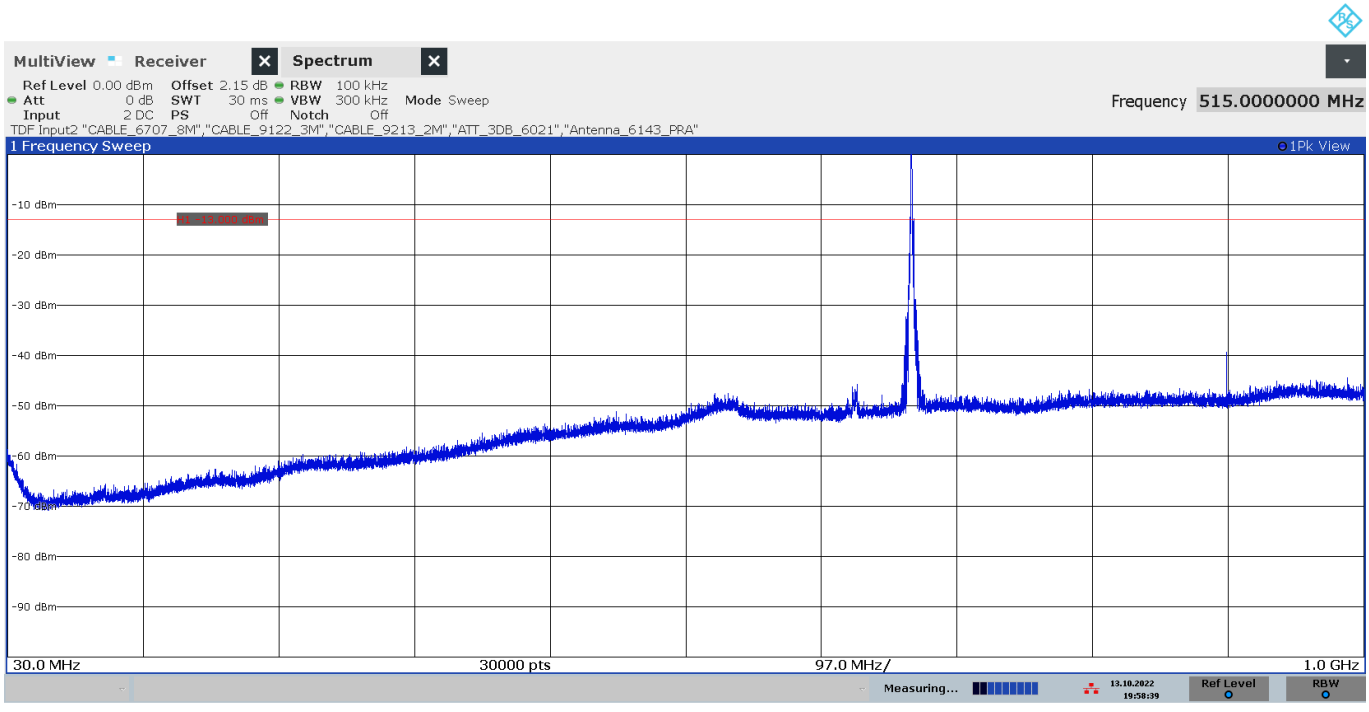
- LOW CHANNEL:



20:06:40 13.10.2022

The peak above the limit is the carrier frequency.

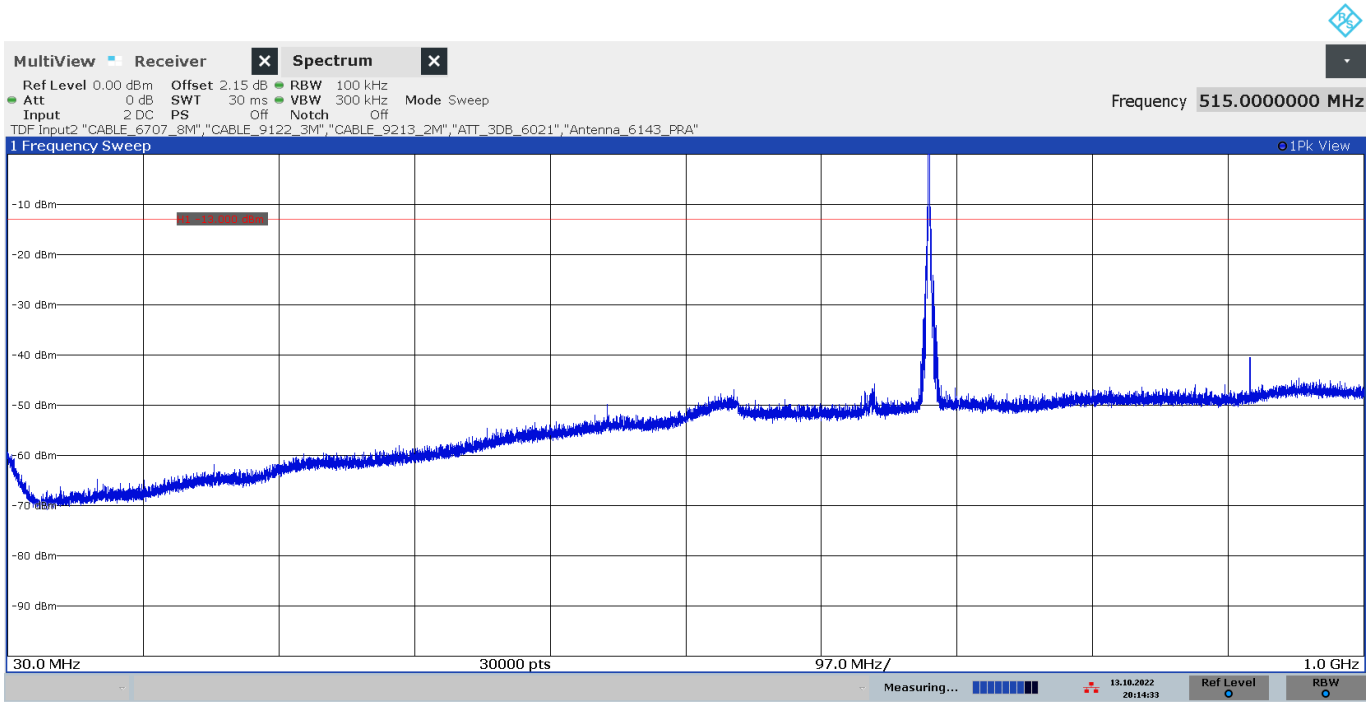
- MIDDLE CHANNEL:



19:58:39 13.10.2022

The peak above the limit is the carrier frequency.

- HIGH CHANNEL:

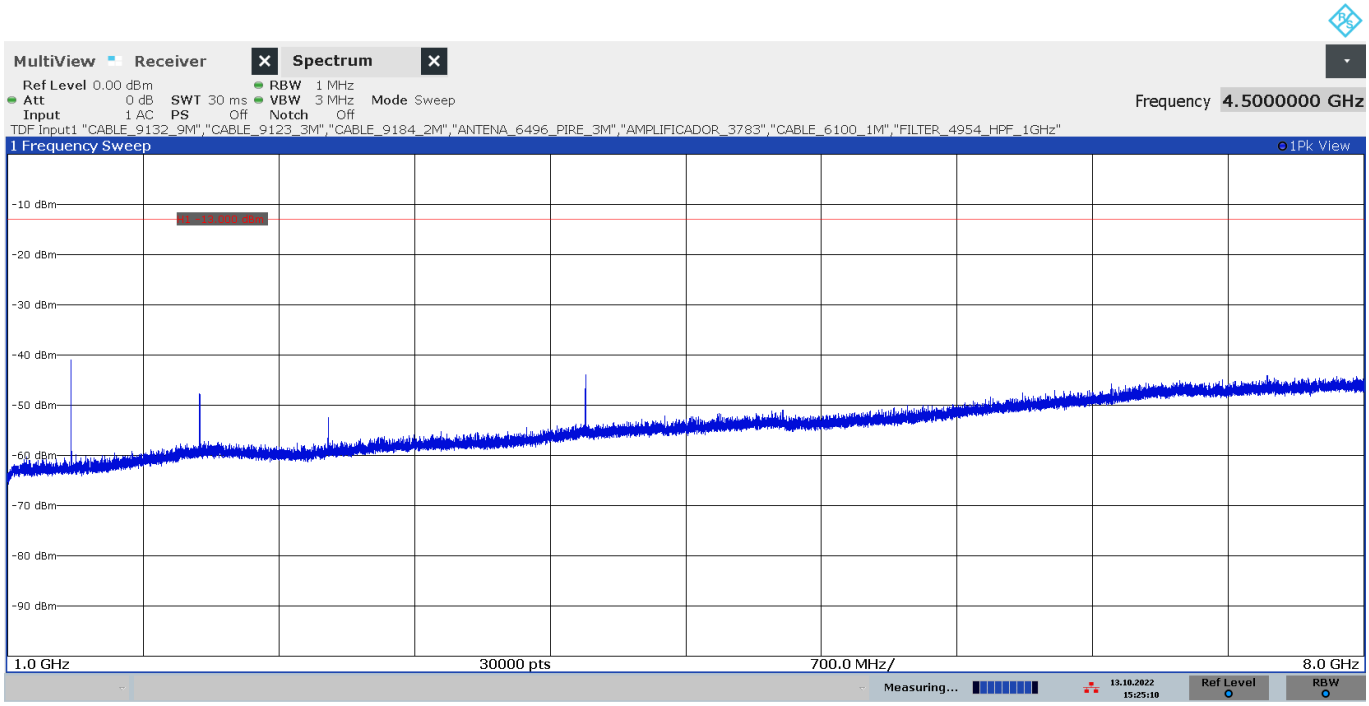


20:14:33 13.10.2022

The peak above the limit is the carrier frequency.

FREQUENCY RANGE 1 - 8 GHz (worst-case):

- LOW CHANNEL:



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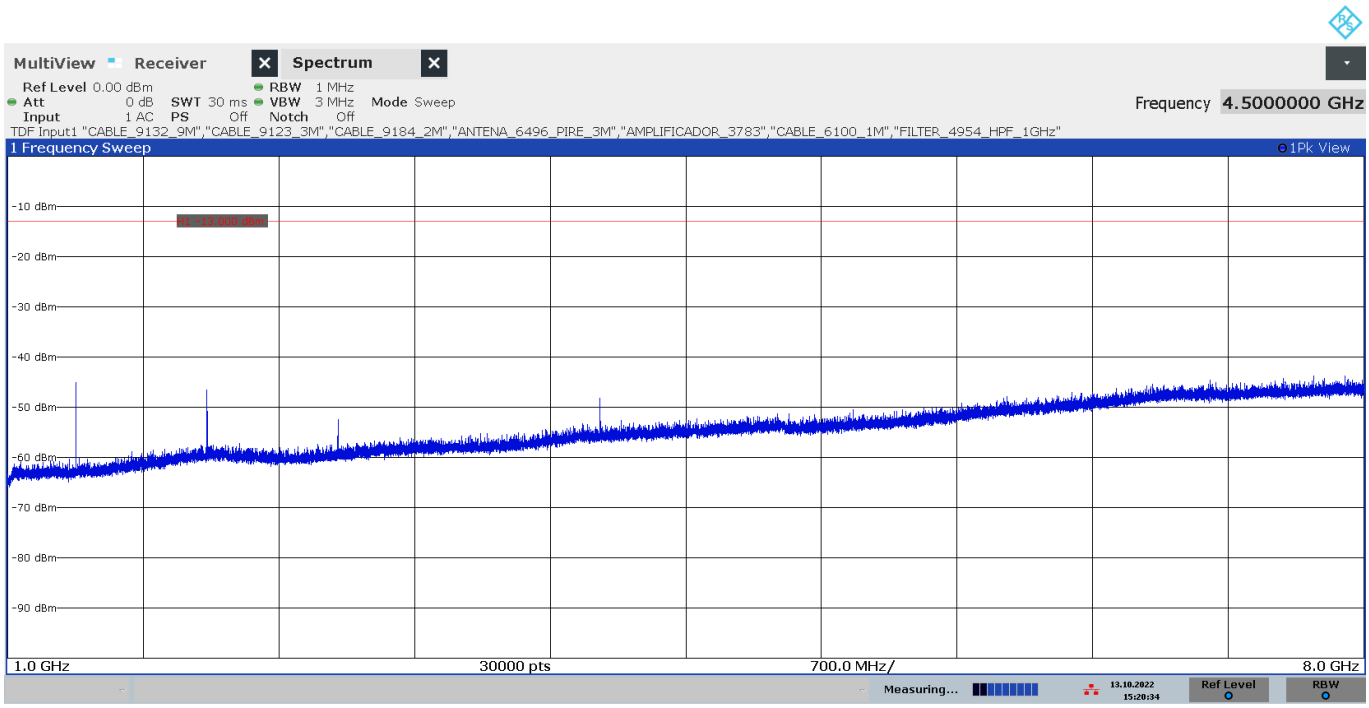
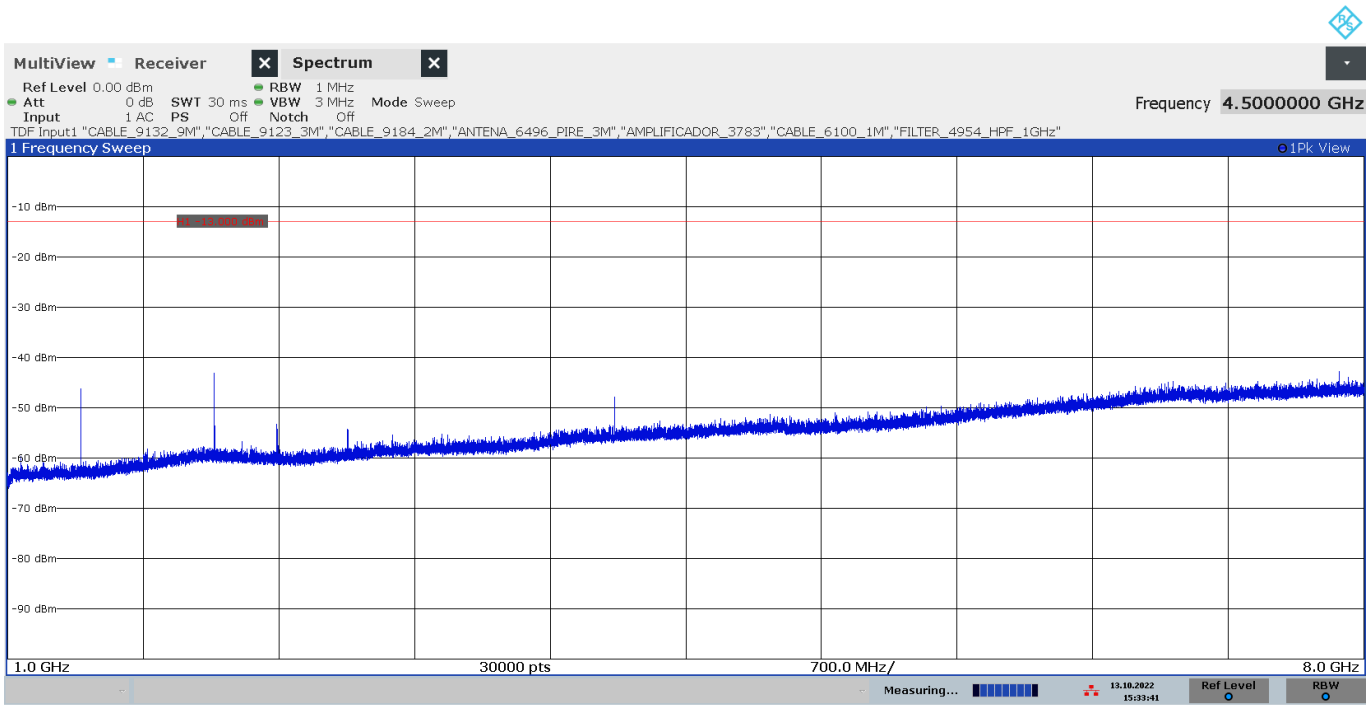
- MIDDLE CHANNEL:



15:20:35 13.10.2022

- HIGH CHANNEL:



15:33:41 13.10.2022