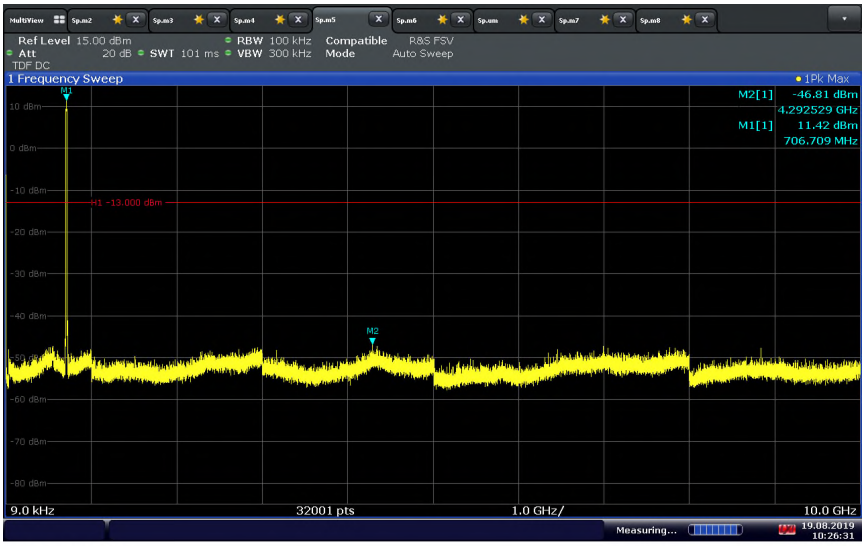
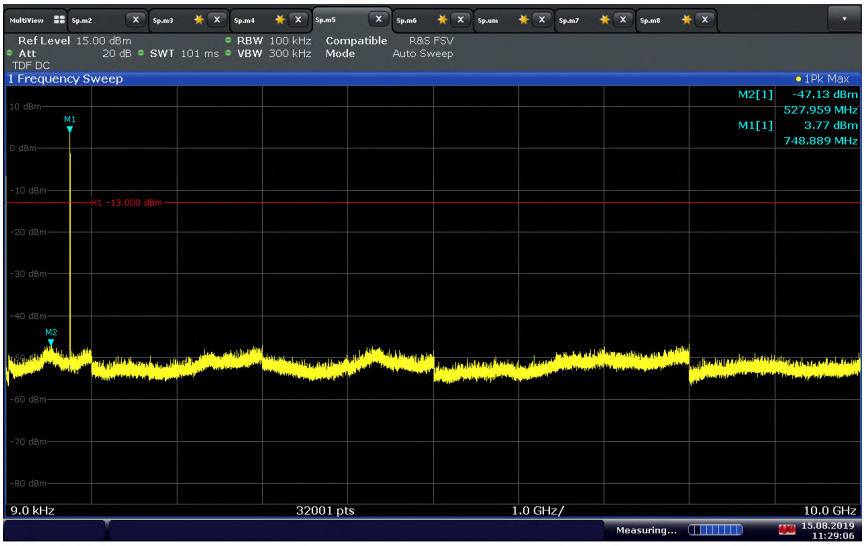
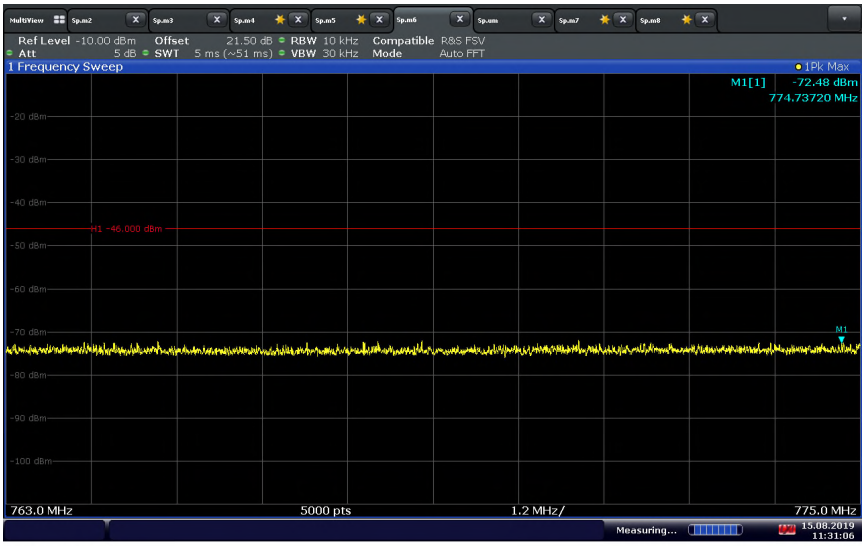
LTE Band 12 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions
 10:26:31 19.08.2019
LTE Band 13 Downlink 5MHz Bandwidth Low Channel Conducted Spurious Emissions
 11:29:07 15.08.2019

LTE Band 13 Downlink 5MHz Bandwidth Low Channel Conducted Spurious Emissions (763-775 MHz)



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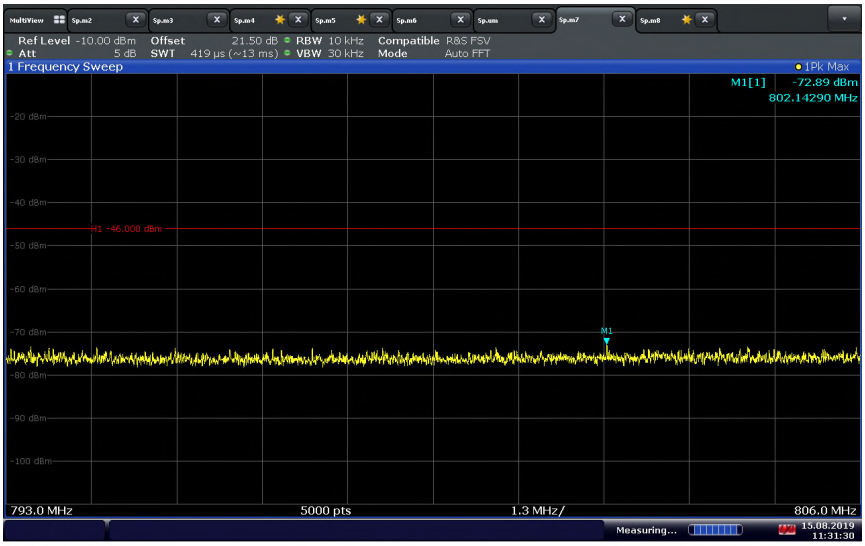
LTE Band 13 Downlink 5MHz Bandwidth Low Channel Conducted Spurious Emissions (793-806 MHz)



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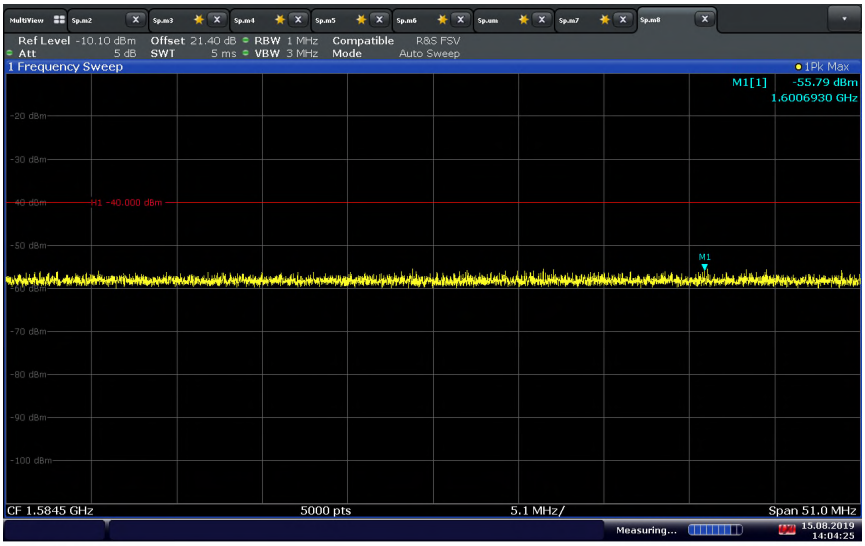
LTE Band 13 Downlink 5MHz Bandwidth Low Channel Conducted Spurious Emissions (1559-1610 MHz)
 14:04:26 15.08.2019
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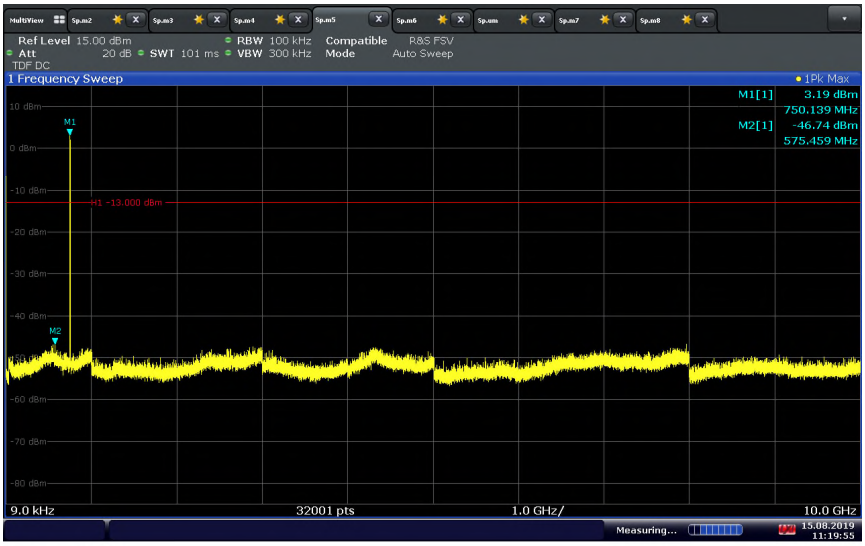
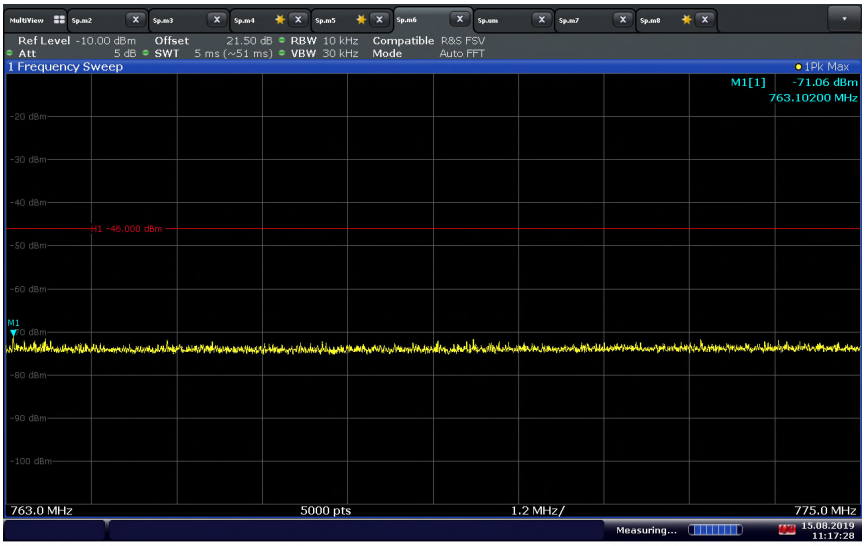
 11:19:56 15.08.2019

LTE Band 13 Downlink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (763-775 MHz)
 11:17:28 15.08.2019
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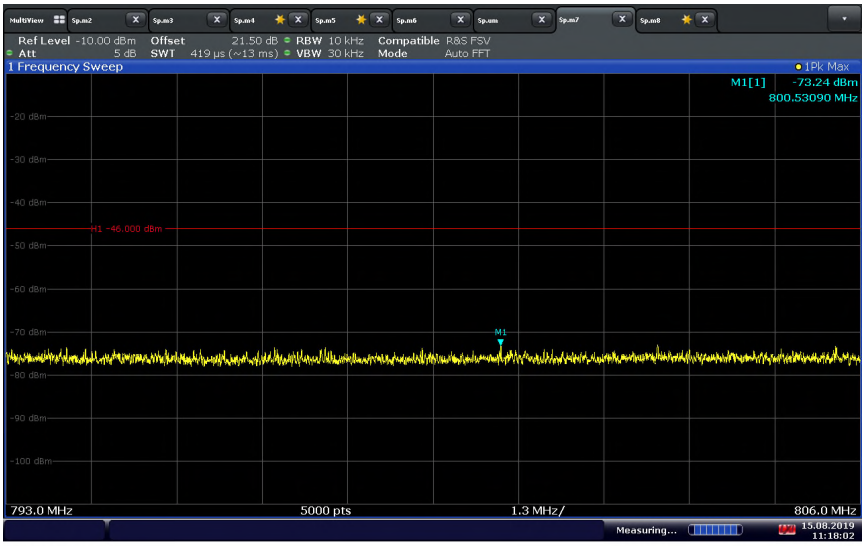 11:18:03 15.08.2019

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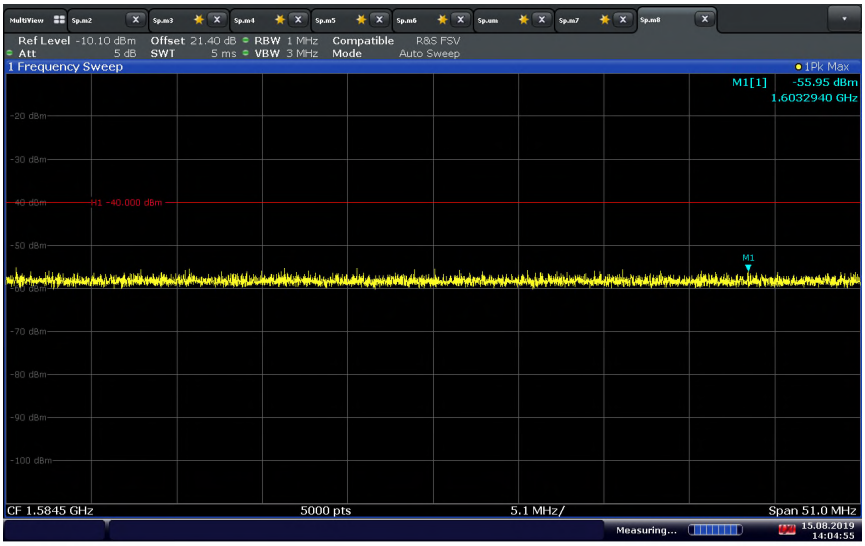 14:04:55 15.08.2019
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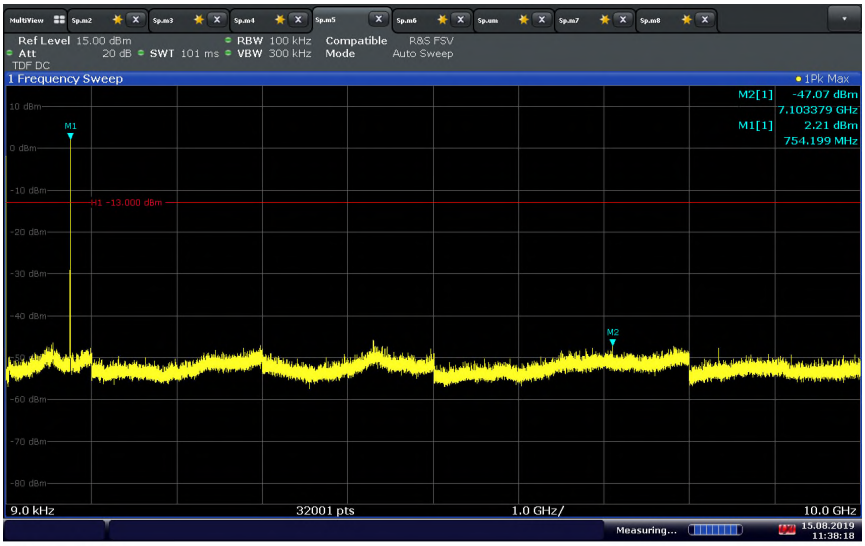
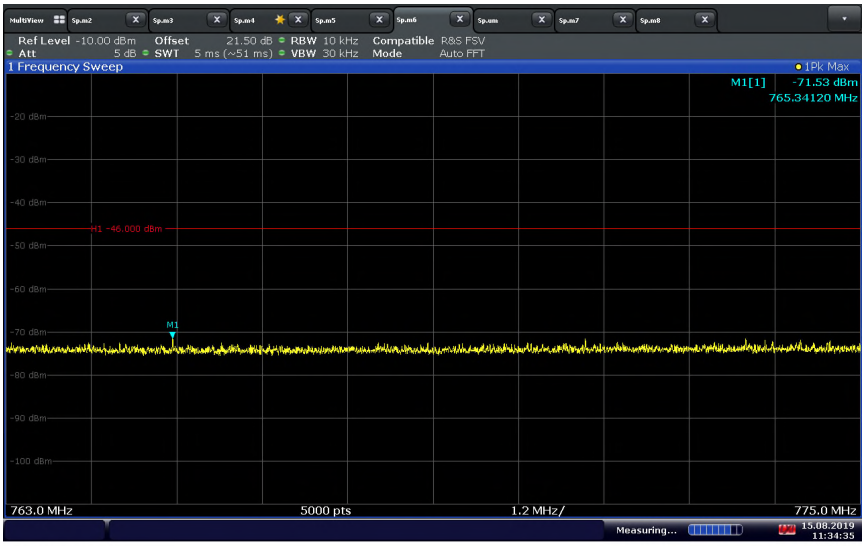
 11:38:18 15.08.2019

LTE Band 13 Downlink 5MHz Bandwidth High Channel Conducted Spurious Emissions (763-775 MHz)
 11:34:35 15.08.2019
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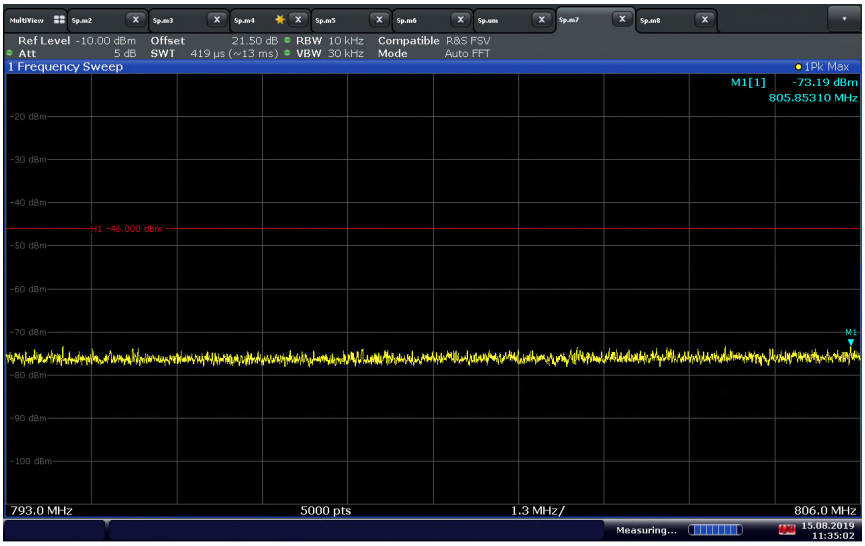
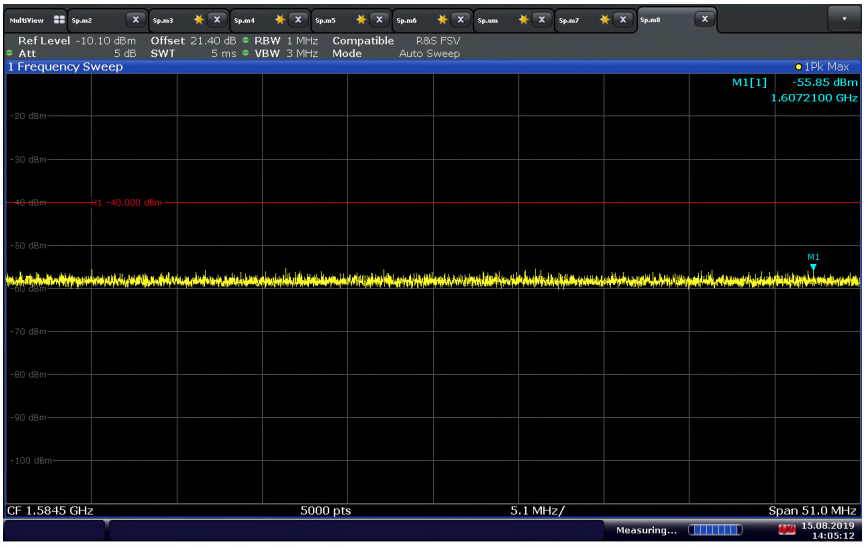
 11:35:03 15.08.2019

LTE Band 13 Downlink 5MHz Bandwidth High Channel Conducted Spurious Emissions (1559-1610 MHz)
 14:05:12 15.08.2019
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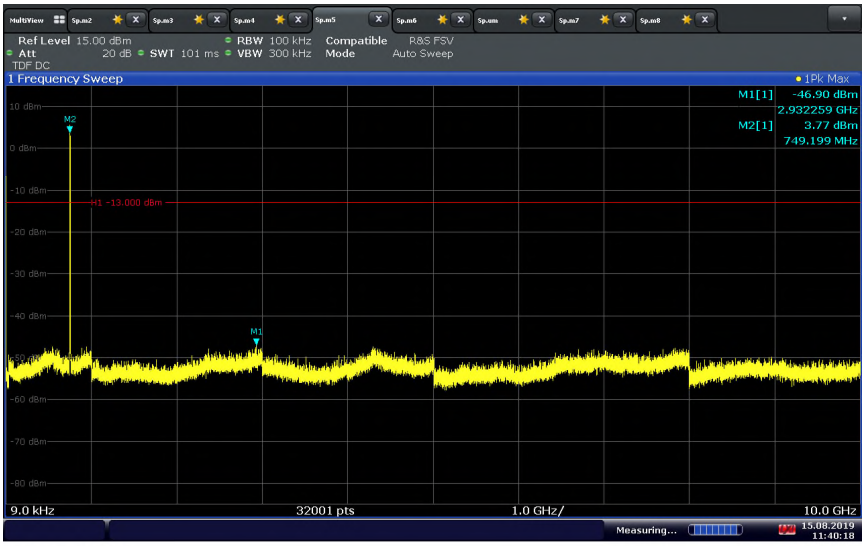
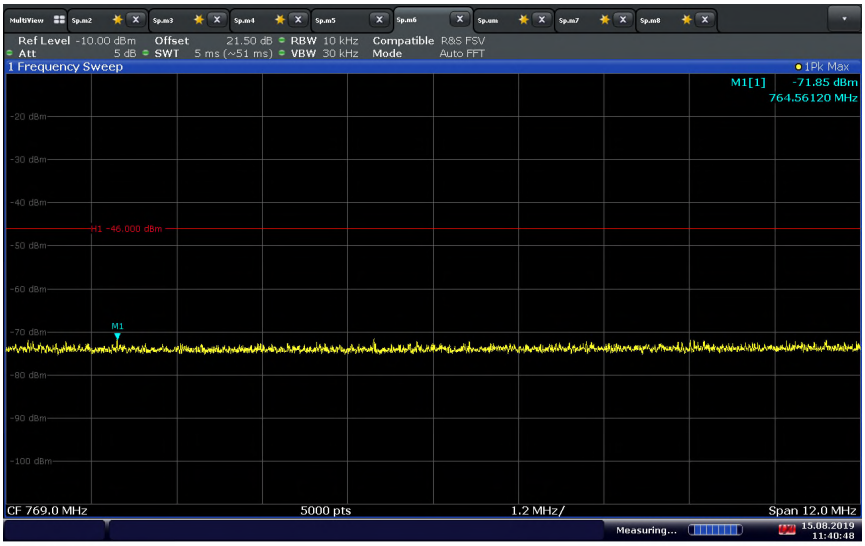
 11:40:18 15.08.2019

LTE Band 13 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (763-775 MHz)



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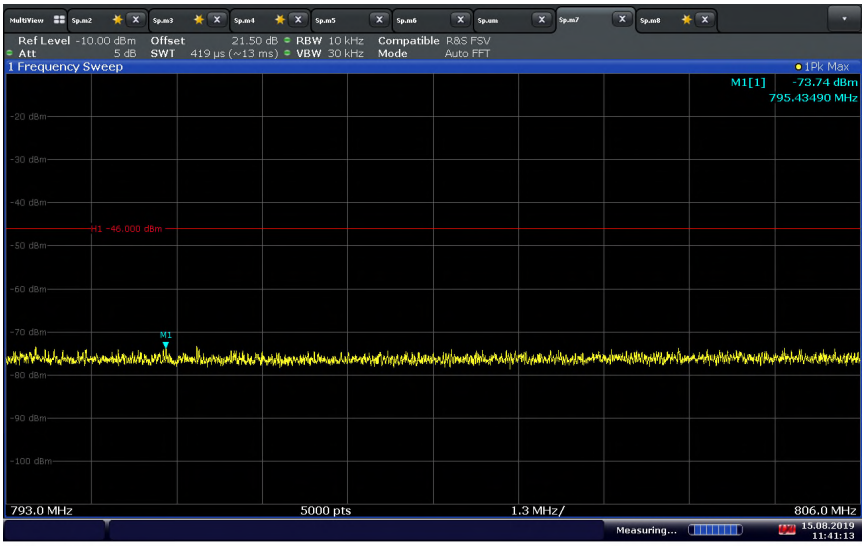
LTE Band 13 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (793-806 MHz)



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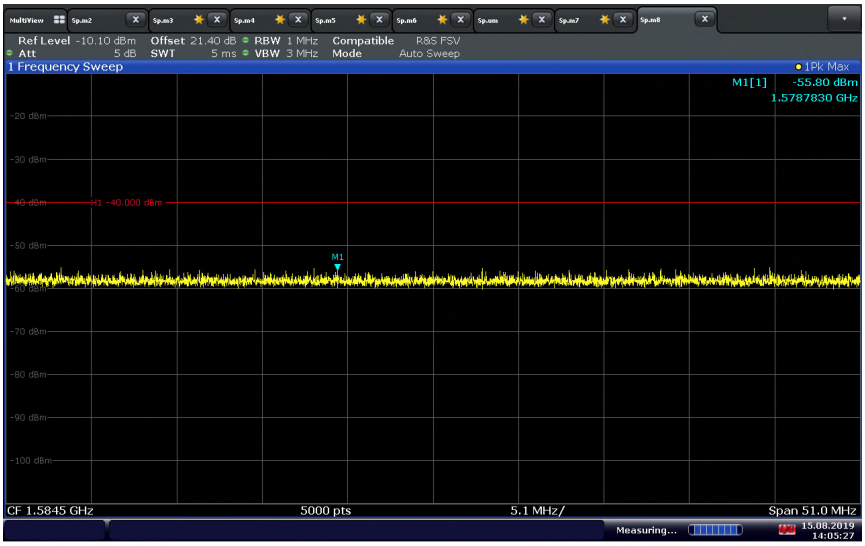
LTE Band 13 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (1559-1610 MHz)
 14:05:28 15.08.2019
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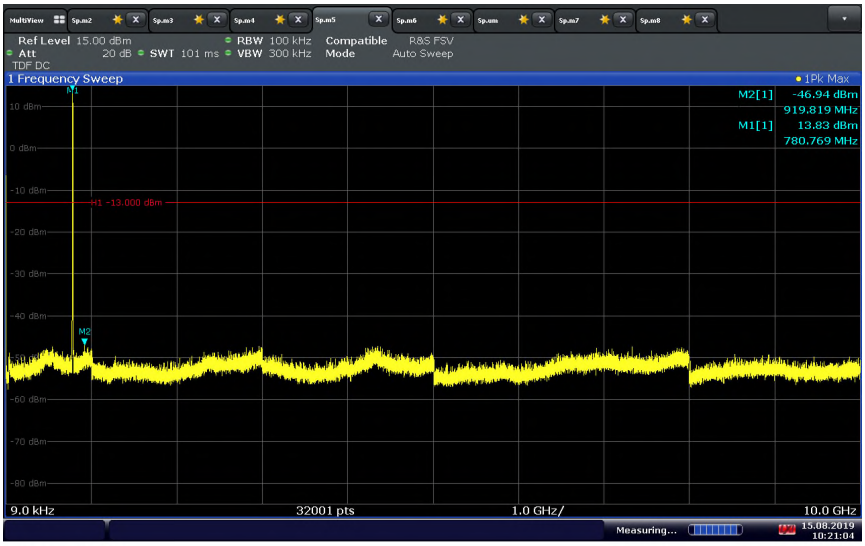 10:21:05 15.08.2019

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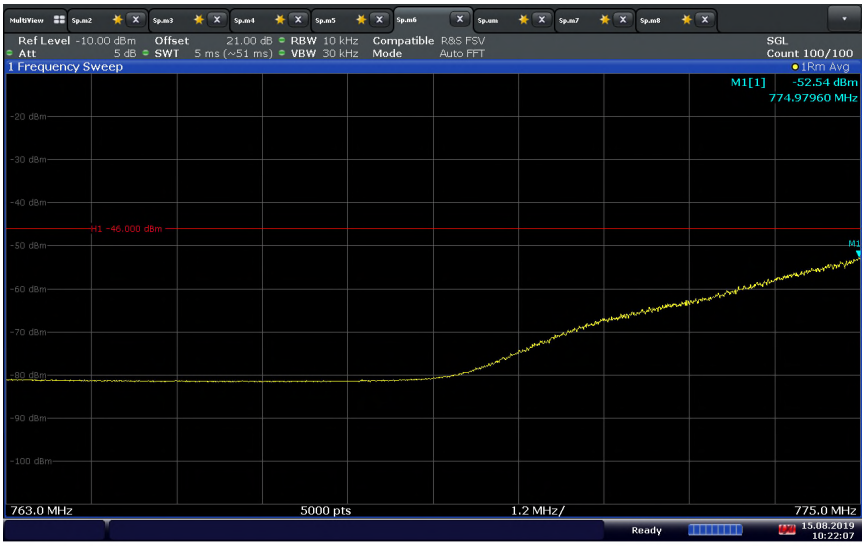

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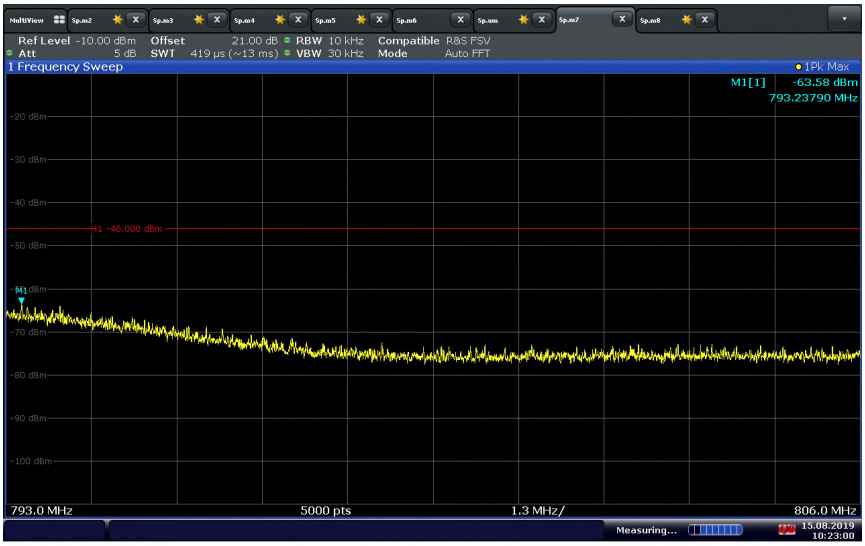
LTE Band 13 Uplink 5MHz Bandwidth Low Channel Conducted Spurious Emissions (793-806 MHz)



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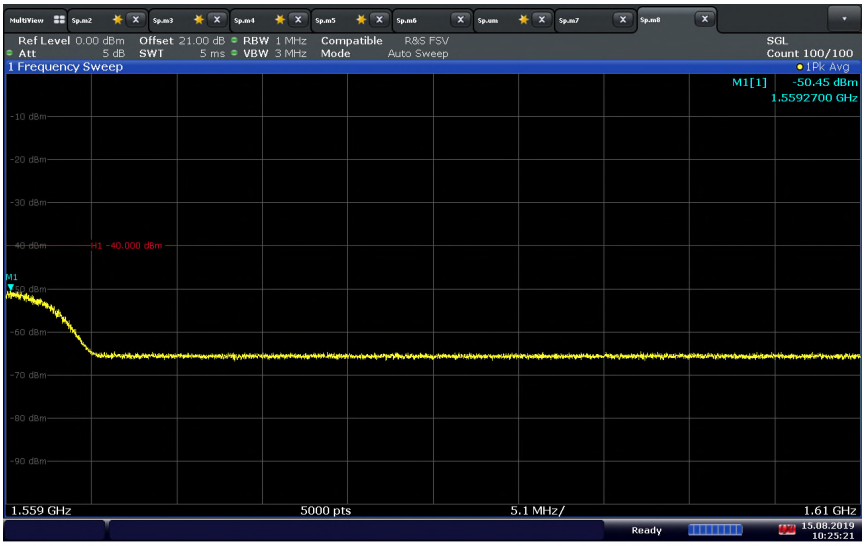 10:25:21 15.08.2019
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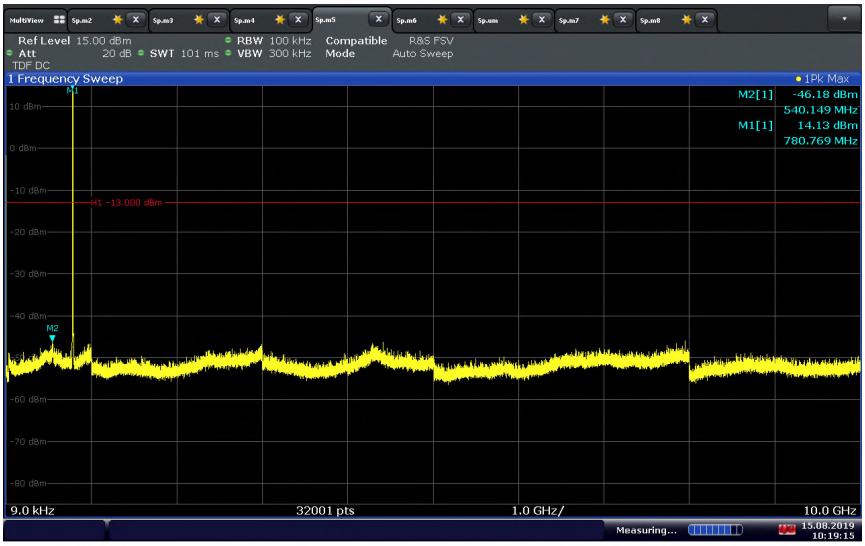
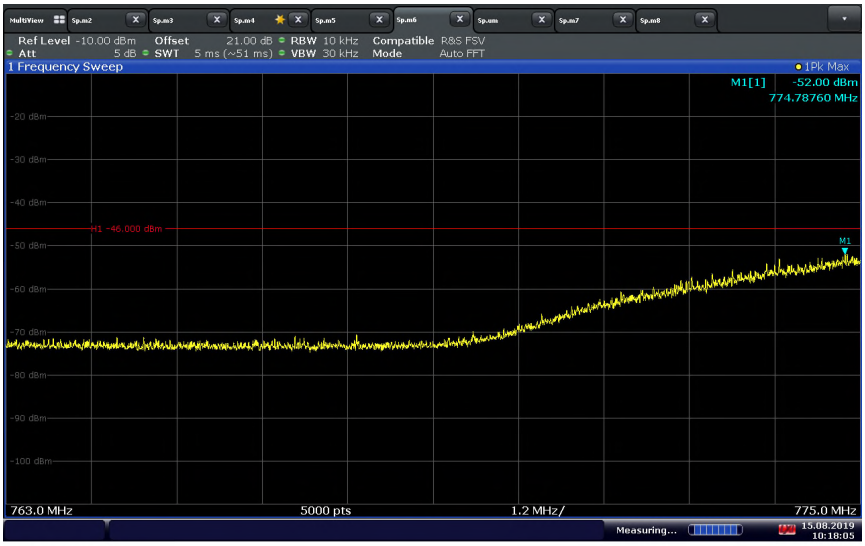
 10:19:15 15.08.2019

LTE Band 13 Uplink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (763-775 MHz)
 10:18:05 15.08.2019
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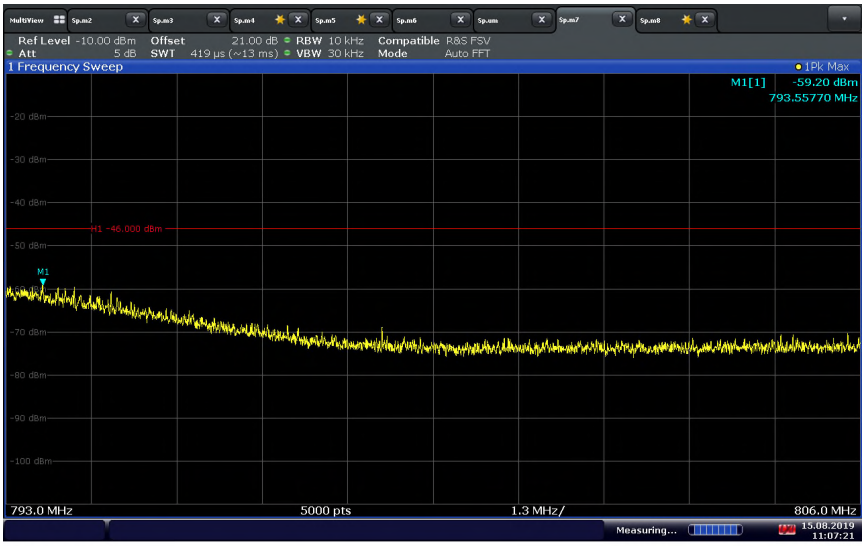 11:07:22 15.08.2019

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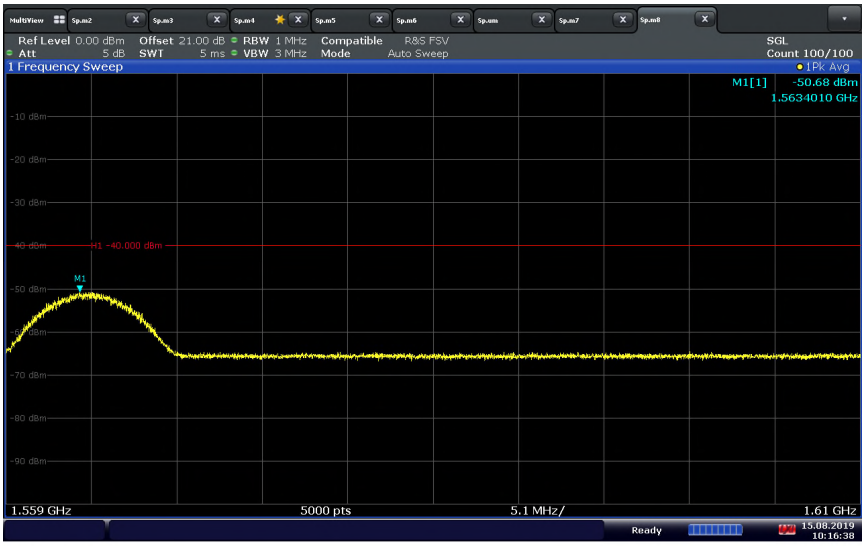

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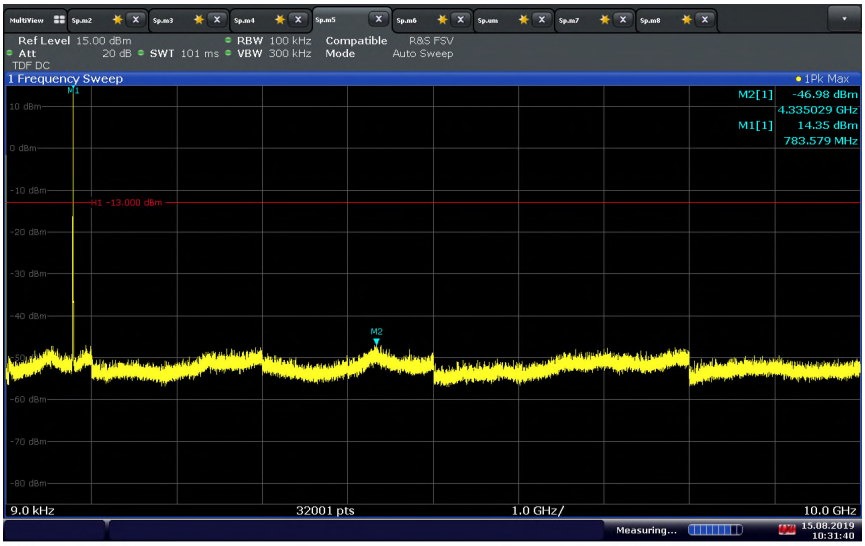
LTE Band 13 Uplink 5MHz Bandwidth High Channel Conducted Spurious Emissions



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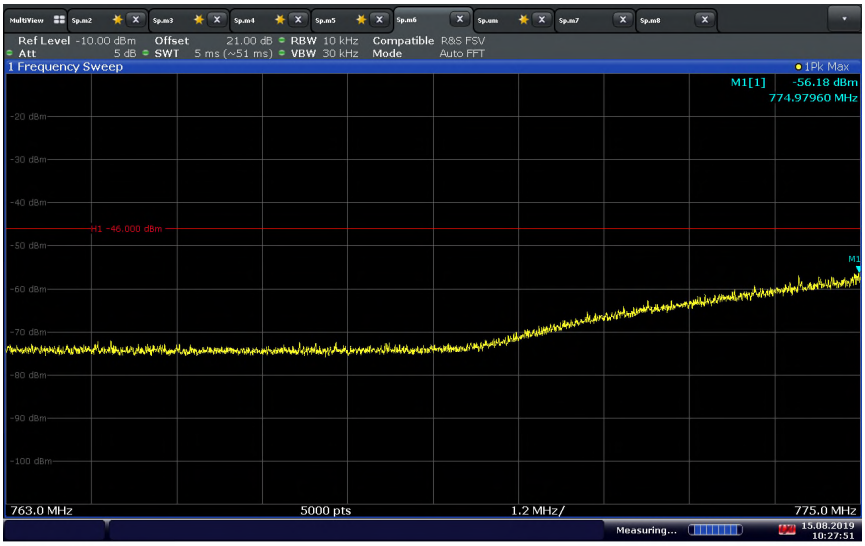
LTE Band 13 Uplink 5MHz Bandwidth High Channel Conducted Spurious Emissions (763-775 MHz)



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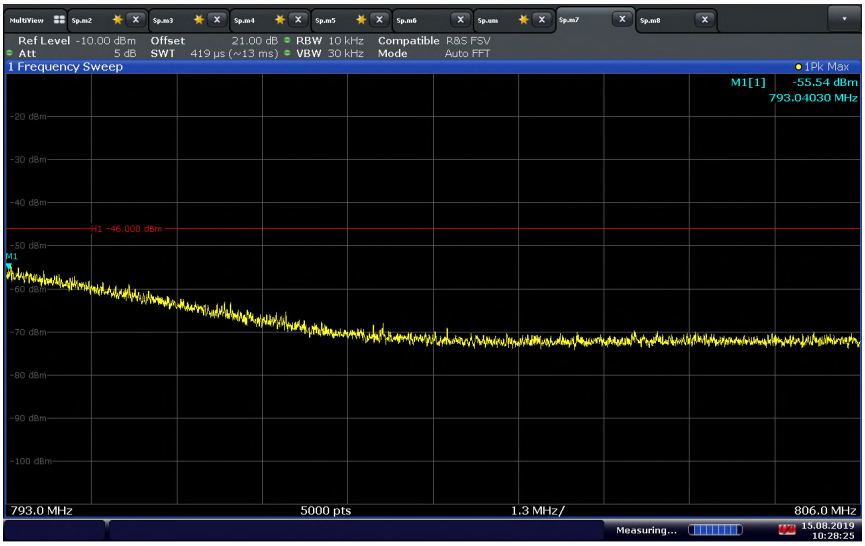
LTE Band 13 Uplink 5MHz Bandwidth High Channel Conducted Spurious Emissions (793-806 MHz)



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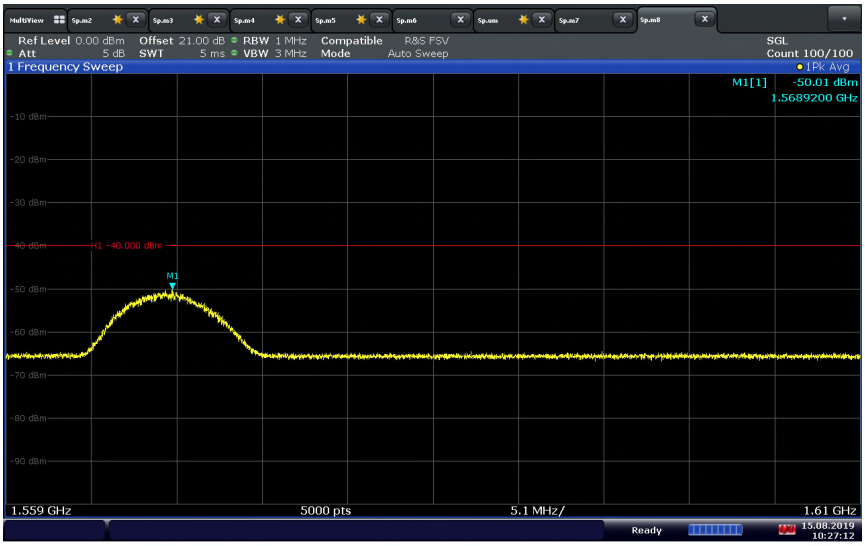
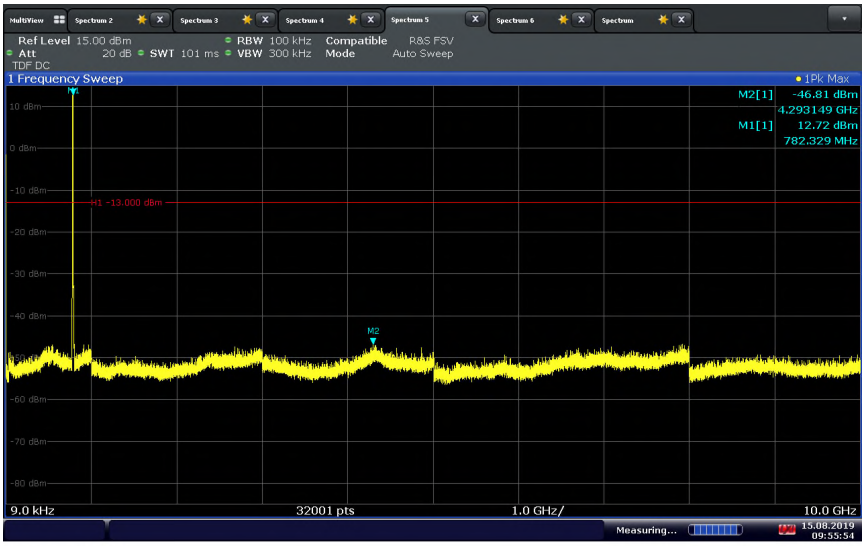
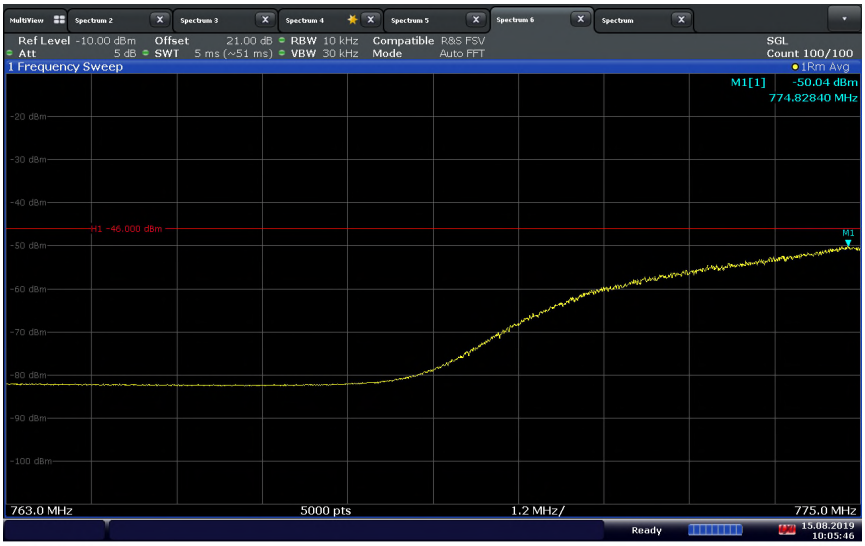
 10:27:13 15.08.2019

LTE Band 13 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions
 09:55:55 15.08.2019

LTE Band 13 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (763-775 MHz)
 10:05:47 15.08.2019
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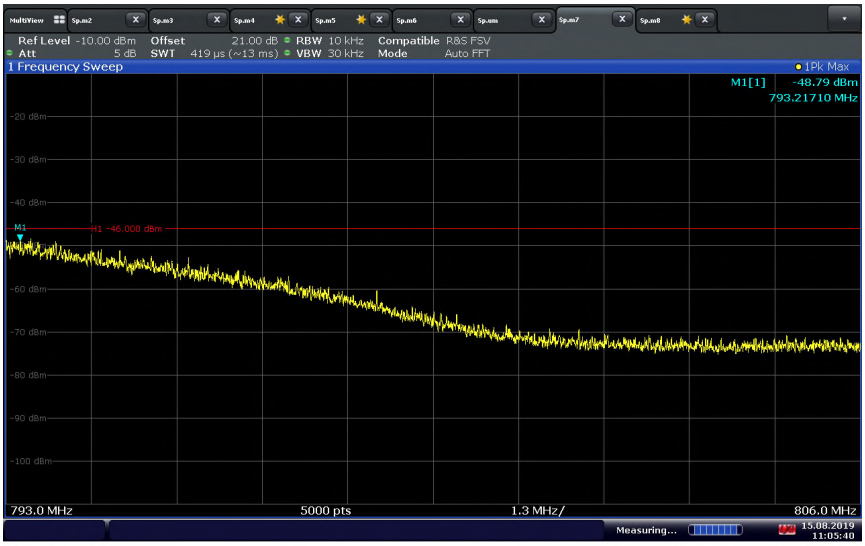
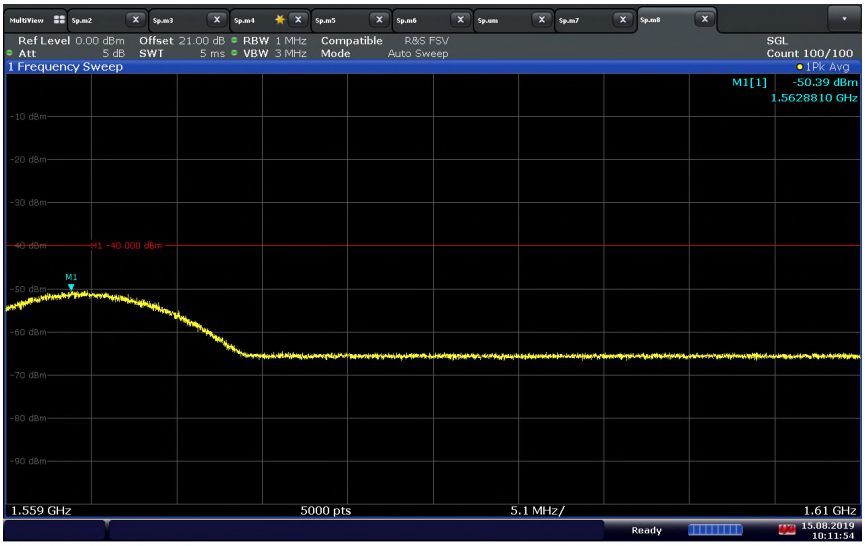
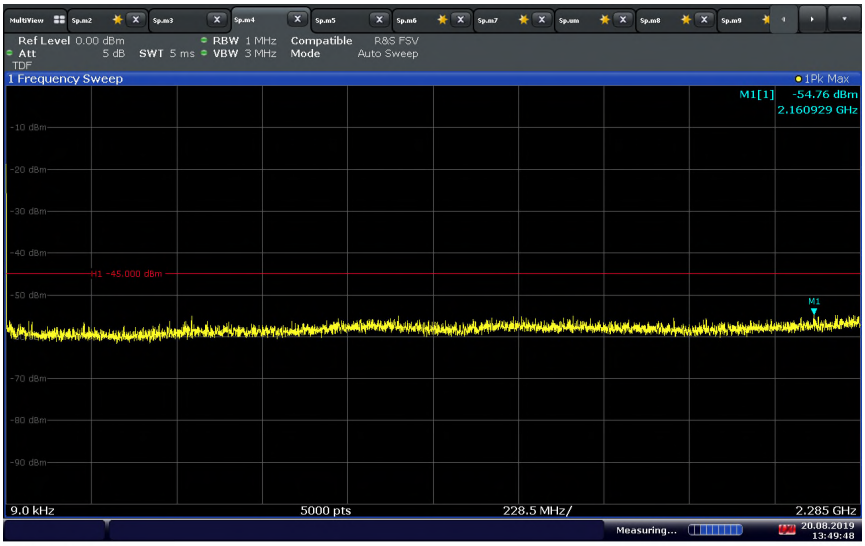
 11:05:41 15.08.2019

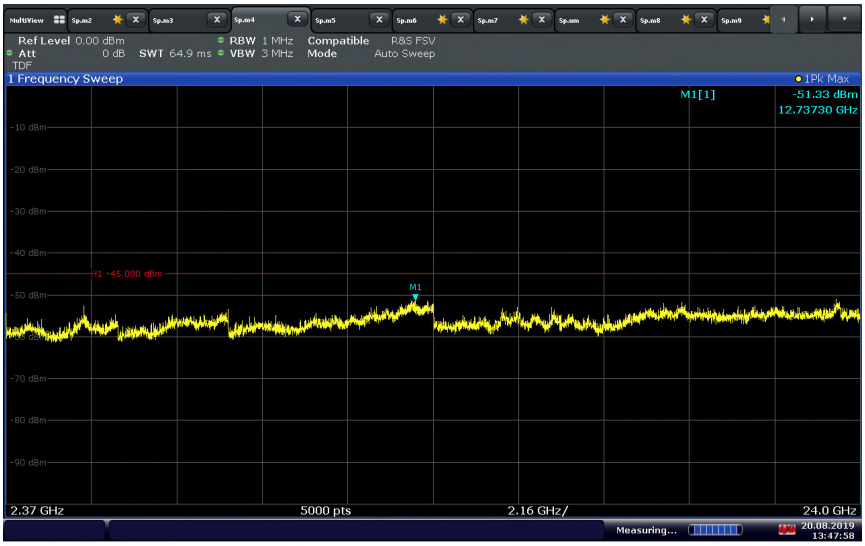
LTE Band 13 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (1559-1610 MHz)
 10:11:55 15.08.2019

LTE Band 30 Downlink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (9k - 2285 MHz)
 13:49:48 20.08.2019

LTE Band 30 Downlink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (2200 - 2395 MHz)

14:05:03 20.08.2019

LTE Band 30 Downlink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (2370 - 24 GHz)



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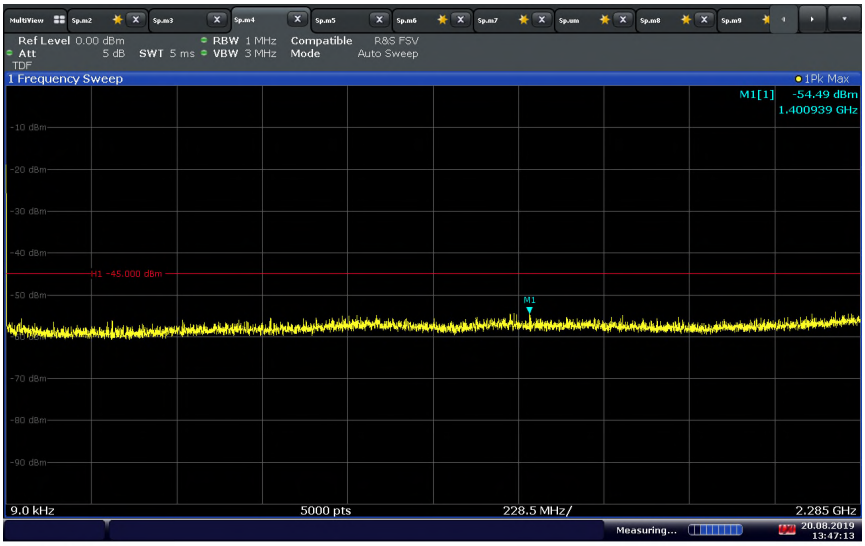
LTE Band 30 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (9k - 2285 MHz)

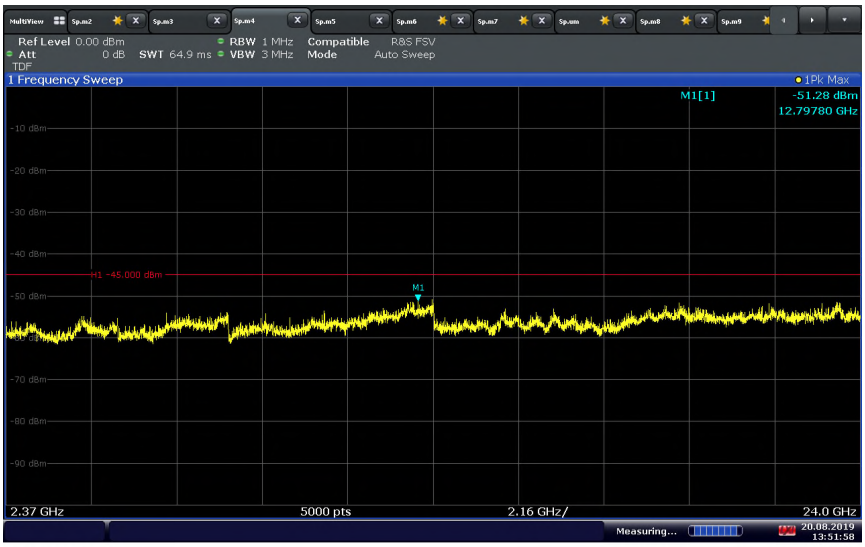
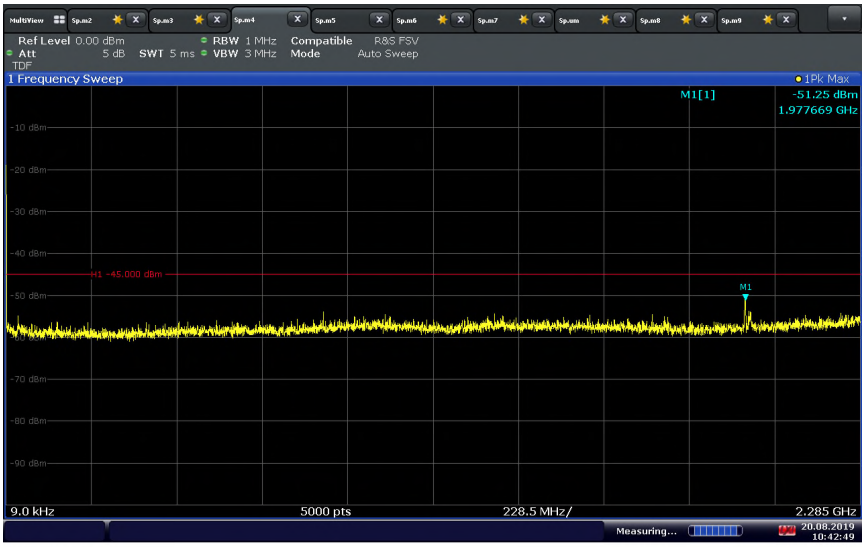


13:47:14 20.08.2019

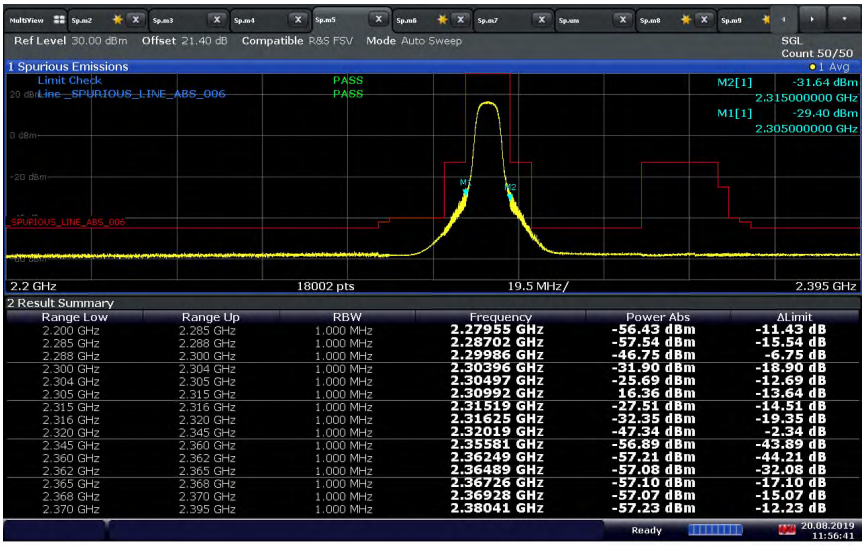
LTE Band 30 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (2200 - 2395 MHz)

Range Low	Range Up	RBW	Frequency	Power Abs	Δ Limit
2.200 GHz	2.285 GHz	1.000 MHz	2.28333 GHz	-59.48 dBm	-14.48 dB
2.285 GHz	2.288 GHz	1.000 MHz	2.28733 GHz	-59.82 dBm	-17.82 dB
2.288 GHz	2.300 GHz	1.000 MHz	2.29959 GHz	-59.65 dBm	-19.65 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30224 GHz	-59.53 dBm	-46.53 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30499 GHz	-59.73 dBm	-46.73 dB
2.305 GHz	2.315 GHz	1.000 MHz	2.31225 GHz	-59.46 dBm	-46.46 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31507 GHz	-59.49 dBm	-46.49 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.31987 GHz	-59.34 dBm	-46.34 dB
2.320 GHz	2.345 GHz	1.000 MHz	2.34499 GHz	-50.41 dBm	-5.41 dB
2.345 GHz	2.349 GHz	1.000 MHz	2.34899 GHz	-33.40 dBm	-20.40 dB
2.349 GHz	2.350 GHz	100.000 kHz	2.34999 GHz	-37.39 dBm	-24.39 dB
2.350 GHz	2.360 GHz	100.000 kHz	2.35403 GHz	-4.62 dBm	-34.62 dB
2.360 GHz	2.361 GHz	100.000 kHz	2.36000 GHz	-39.19 dBm	-26.19 dB
2.361 GHz	2.362 GHz	1.000 MHz	2.36100 GHz	-34.54 dBm	-21.54 dB
2.362 GHz	2.365 GHz	1.000 MHz	2.36253 GHz	-43.61 dBm	-18.61 dB
2.365 GHz	2.368 GHz	1.000 MHz	2.36504 GHz	-50.38 dBm	-10.38 dB
2.368 GHz	2.370 GHz	1.000 MHz	2.36760 GHz	-55.43 dBm	-13.43 dB
2.370 GHz	2.395 GHz	1.000 MHz	2.37014 GHz	-57.88 dBm	-12.88 dB

14:07:43 20.08.2019

LTE Band 30 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (2370 - 24 GHz)
 13:51:59 20.08.2019
LTE Band 30 Uplink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (9k - 2285 MHz)
 10:42:49 20.08.2019

LTE Band 30 Uplink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (2200 - 2395 MHz)



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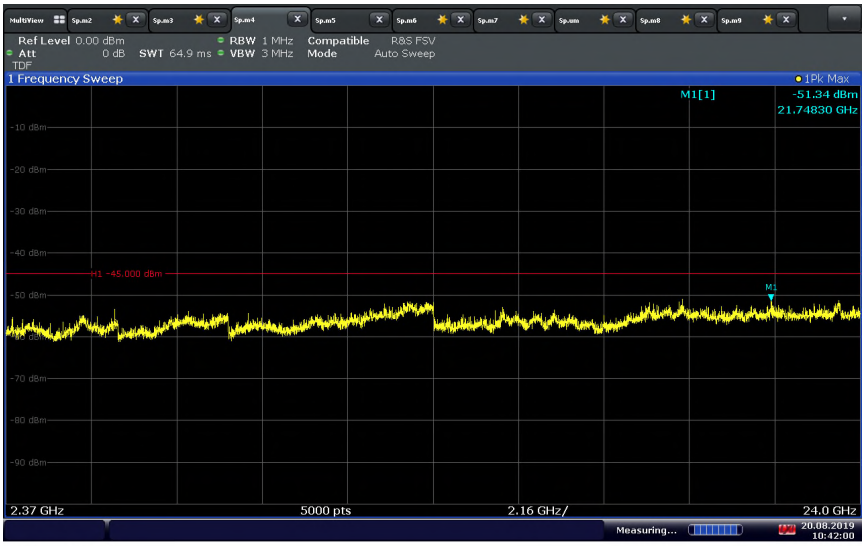
LTE Band 30 Uplink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions (2370 - 24 GHz)



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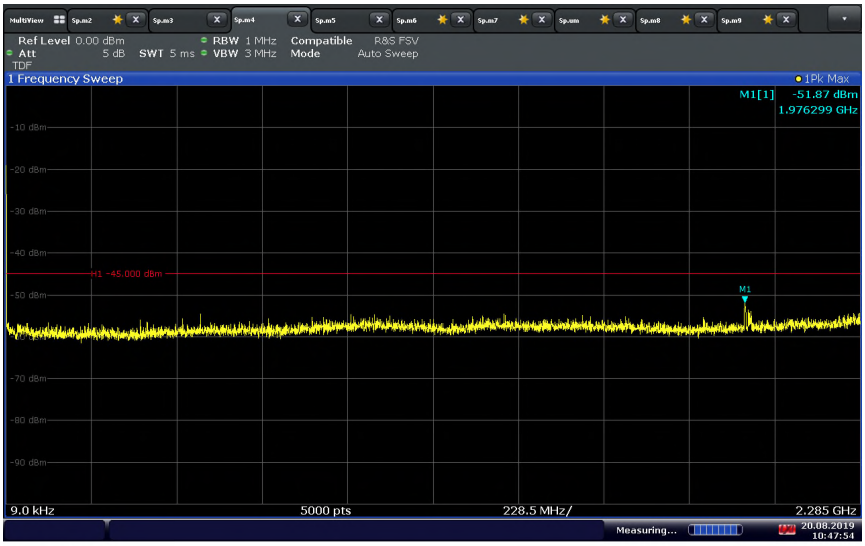
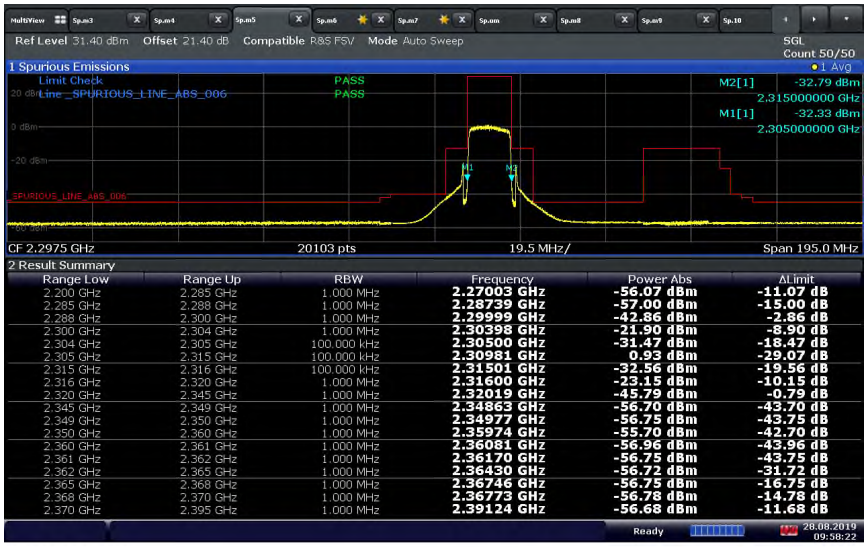
LTE Band 30 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (9k - 2285 MHz)

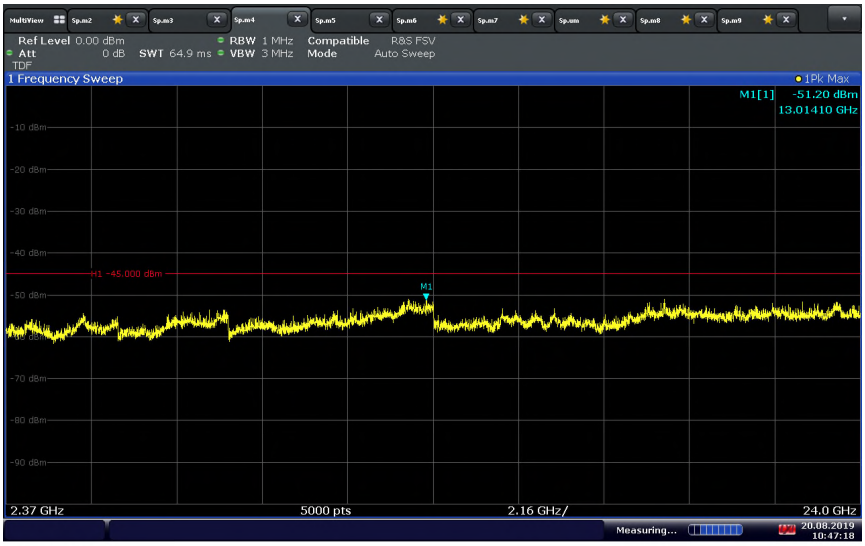
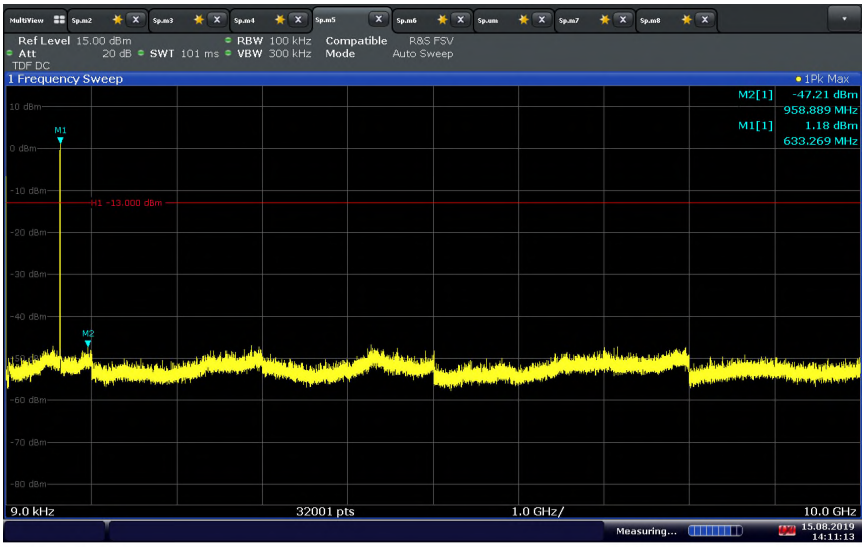


10:47:55 20.08.2019

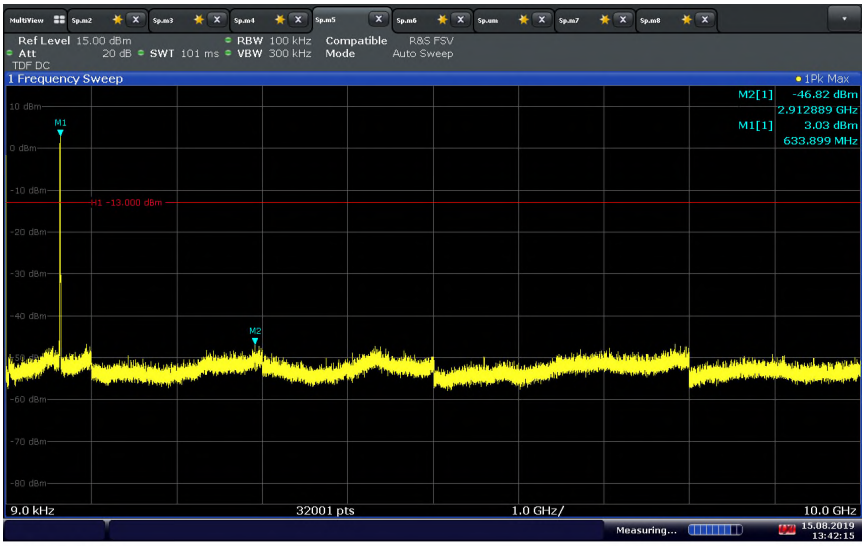
LTE Band 30 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (2200 - 2395 MHz)



09:58:23 28.08.2019

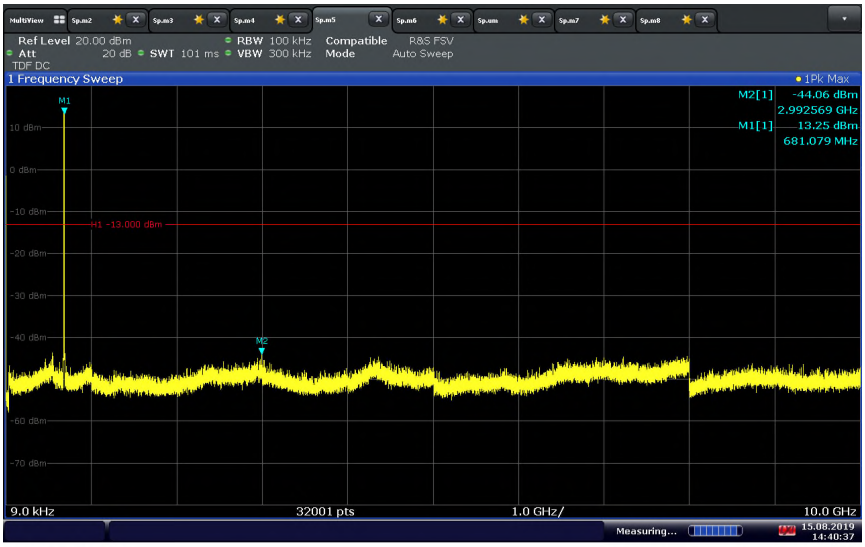
LTE Band 30 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions (2370 - 24 GHz)
 10:47:18 20.08.2019
LTE Band 71 Downlink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions
 14:11:14 15.08.2019

LTE Band 71 Downlink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions



13:42:15 15.08.2019

LTE Band 71 Uplink 5MHz Bandwidth Middle Channel Conducted Spurious Emissions



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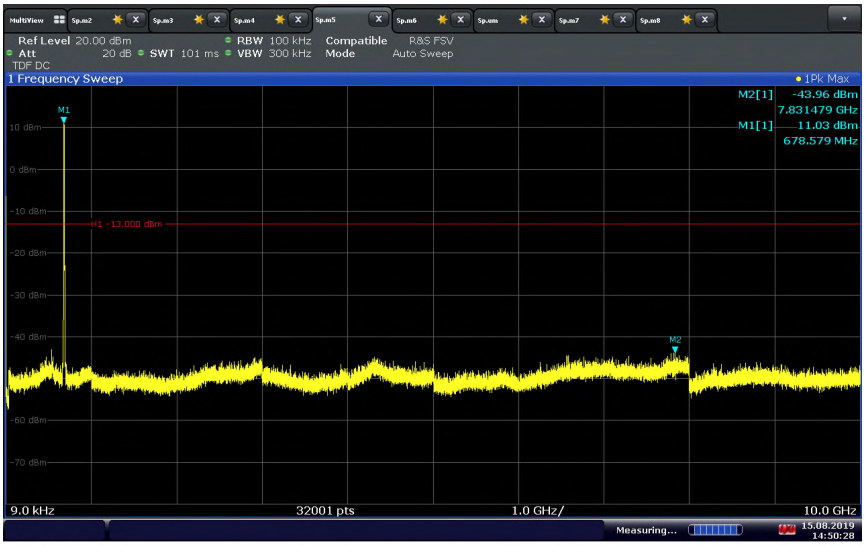
LTE Band 71 Uplink 10MHz Bandwidth Middle Channel Conducted Spurious Emissions



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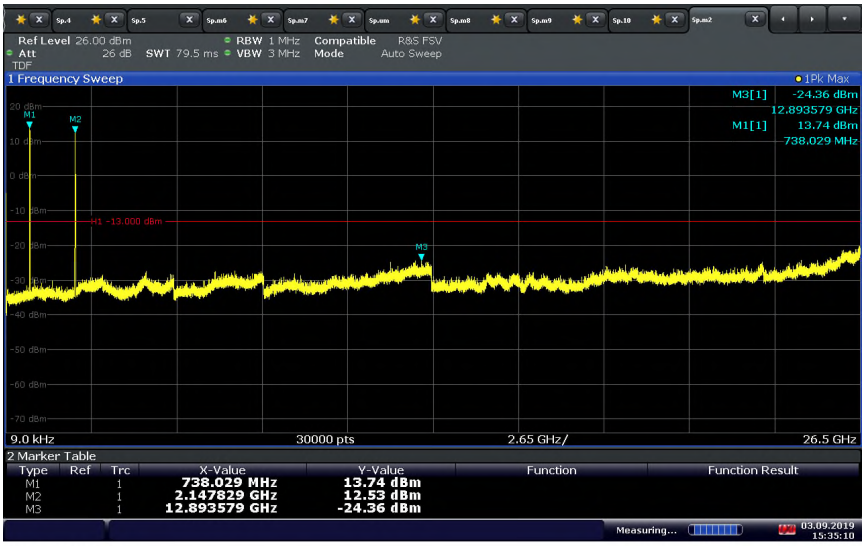
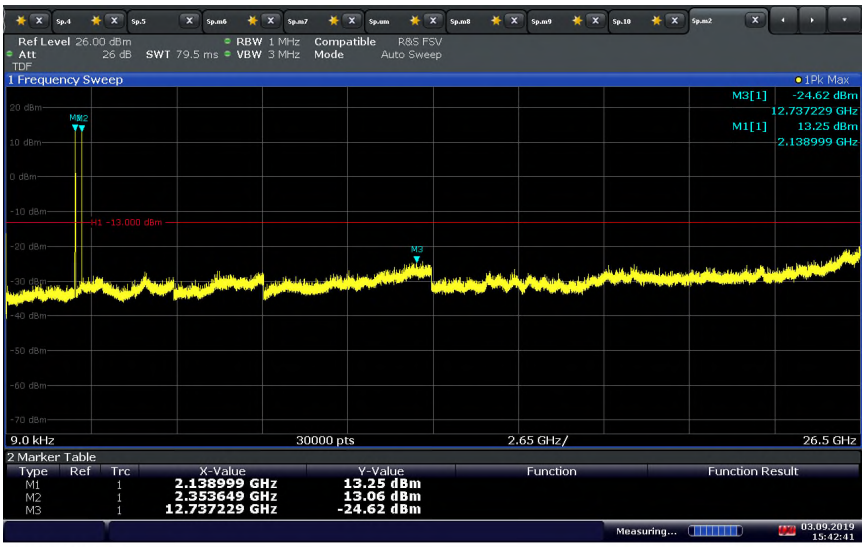
2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port A Downlink: LTE Band 4 20MHz BW High Ch & LTE Band 12 10MHz BW High Ch



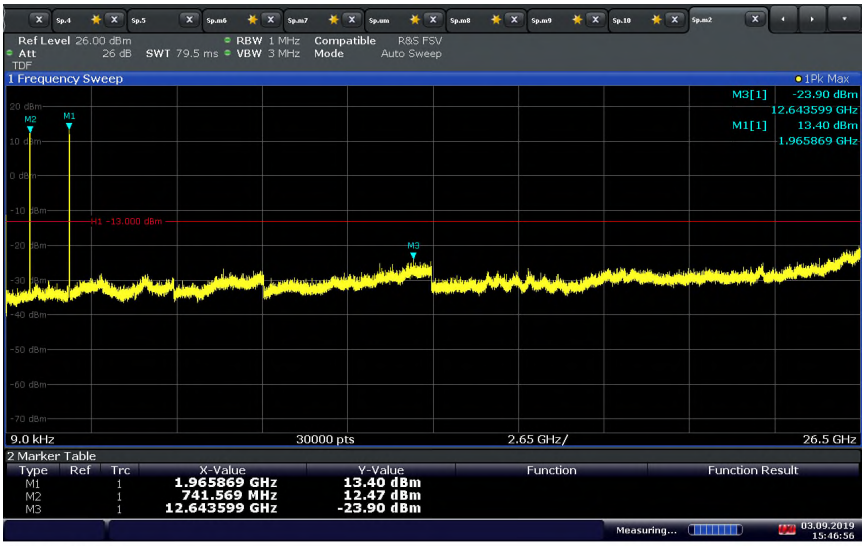
15:35:11 03.09.2019

2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port A Downlink: LTE Band 4 20MHz BW High Ch & LTE Band 30 10MHz BW Mid Ch



15:42:42 03.09.2019

2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port A Downlink: LTE Band 25 20MHz BW Mid Ch & LTE Band 12 10MHz BW High Ch



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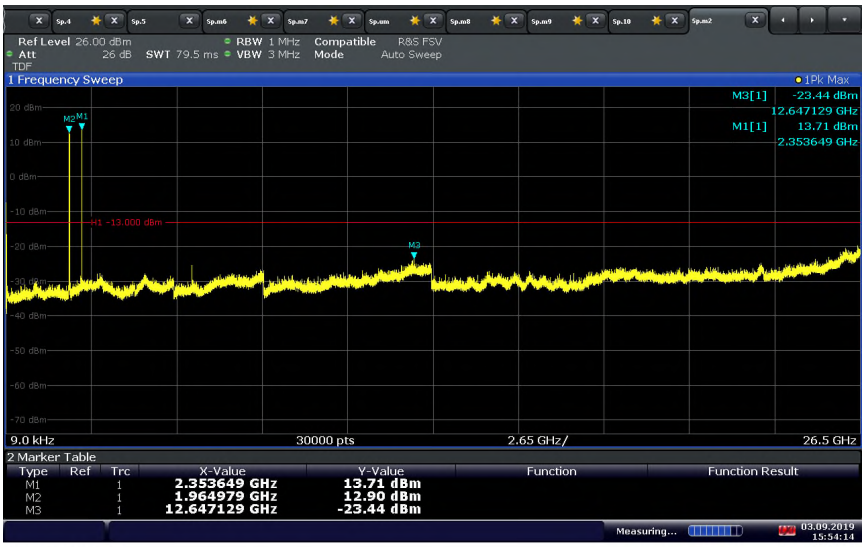
2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port A Downlink: LTE Band 25 20MHz BW Mid Ch & LTE Band 30 10MHz BW Mid Ch



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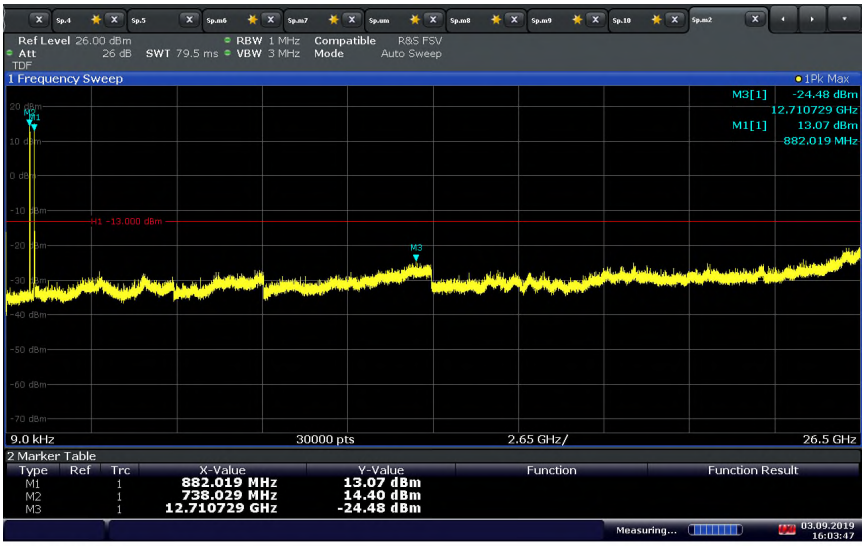
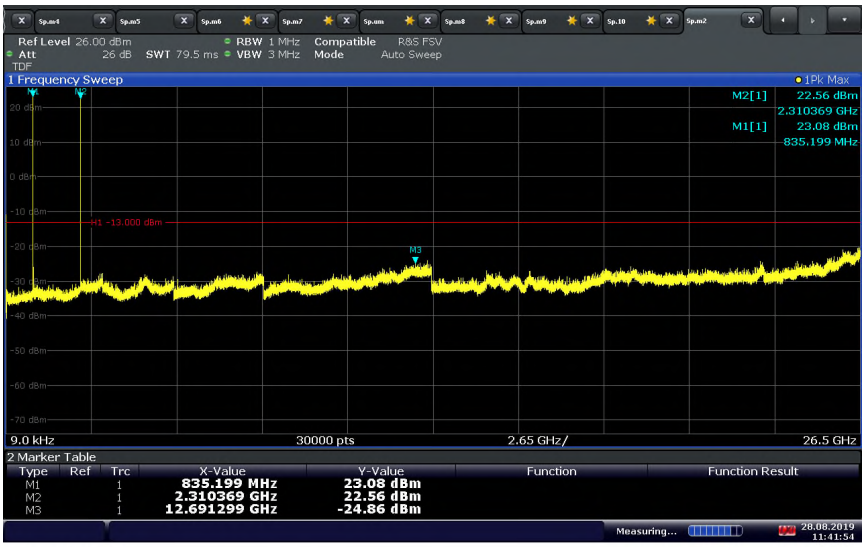
2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port A Downlink: WCDMA Band 5 15MHz BW Low Ch & LTE Band 12 10MHz BW High Ch



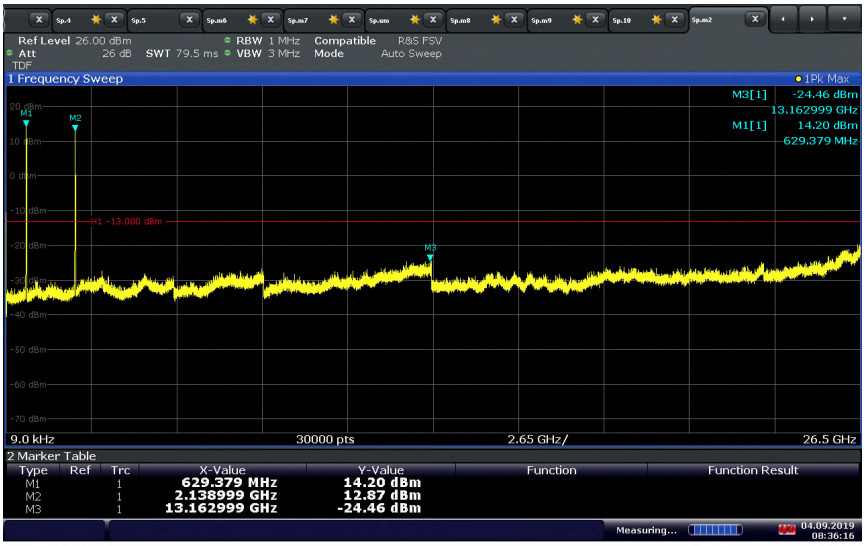
16:03:47 03.09.2019

2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port A Downlink: WCDMA Band 5 15MHz BW Low Ch & LTE Band 30 10MHz BW Mid Ch



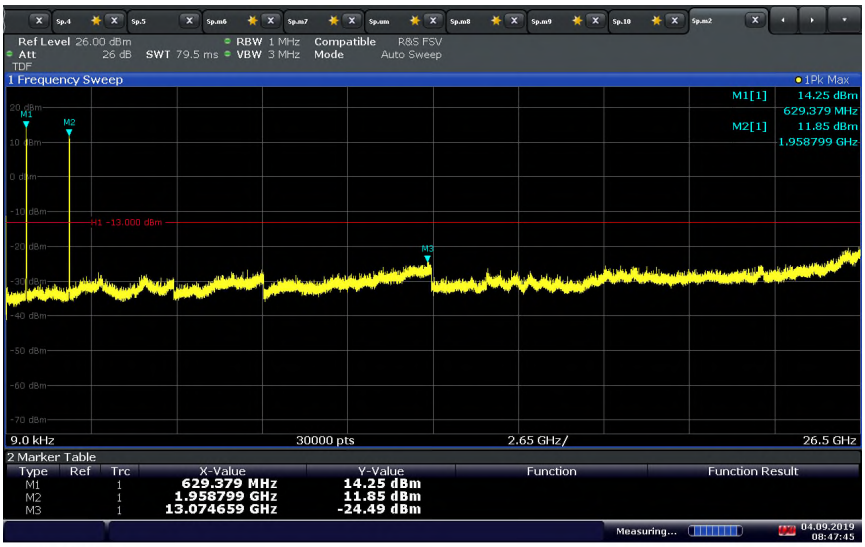
11:41:55 28.08.2019

2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port B Downlink: LTE Band 4 20MHz BW High Ch & LTE Band 71 20MHz BW Low Ch



08:36:17 04.09.2019

2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port B Downlink: LTE Band 25 20MHz BW Mid Ch & LTE Band 71 20MHz BW Low Ch



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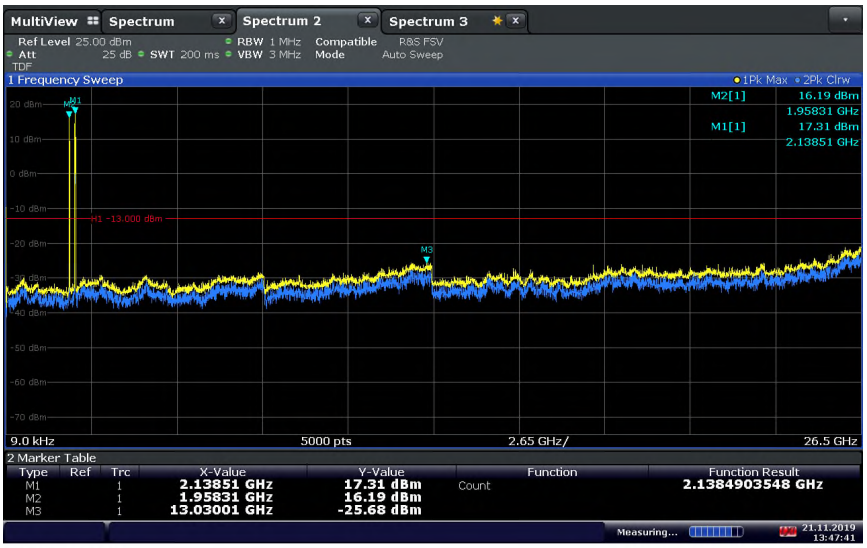
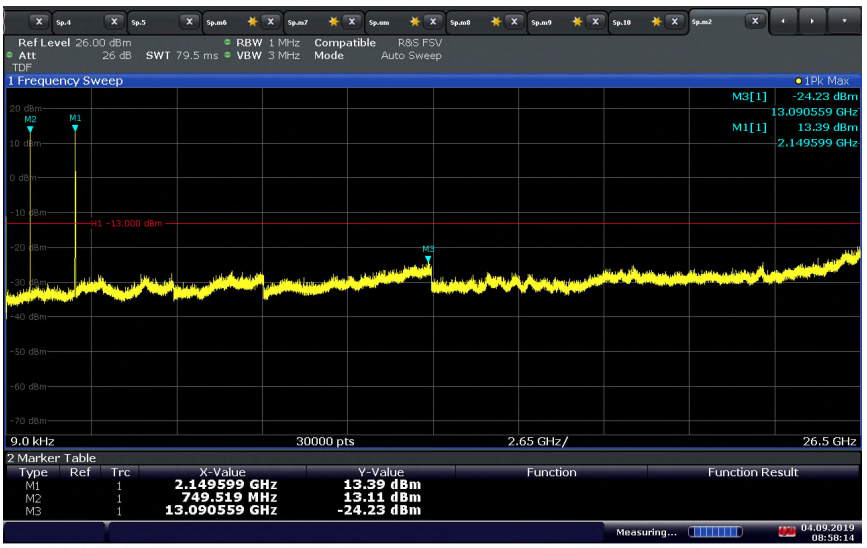
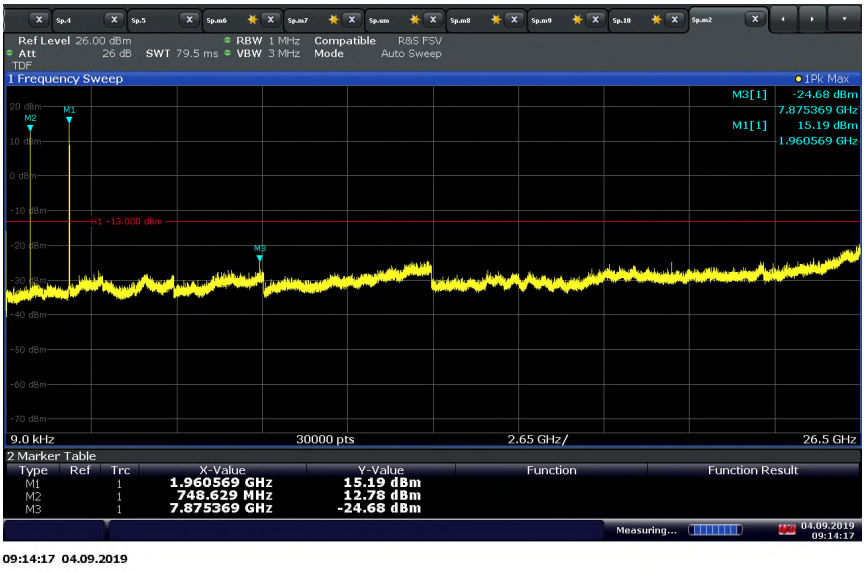
2 Bands per antenna port Conducted Spurious Emissions CU with Antenna Port B Downlink: LTE Band 4 20MHz BW High Ch & LTE Band 25 20MHz BW Mid Ch
   13:47:41 21.11.2019
2 Bands per antenna port Conducted Spurious Emissions CU with Antenna Port C Downlink: LTE Band 4 20MHz BW High Ch & LTE Band 13 10MHz BW Mid Ch
   08:58:14 04.09.2019

2 Bands per antenna port Conducted Spurious Emissions
CU with Antenna Port C Downlink: LTE Band 25 20MHz BW Mid Ch & LTE Band 13 10MHz BW Mid Ch



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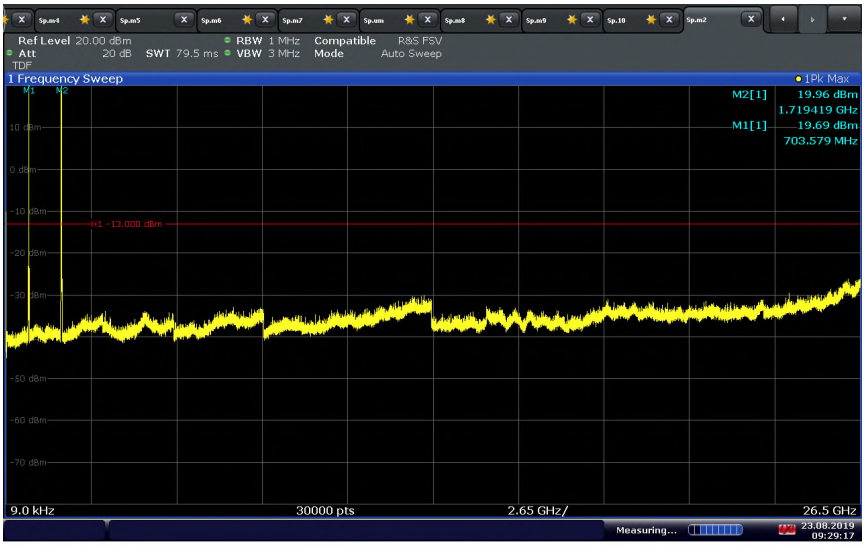
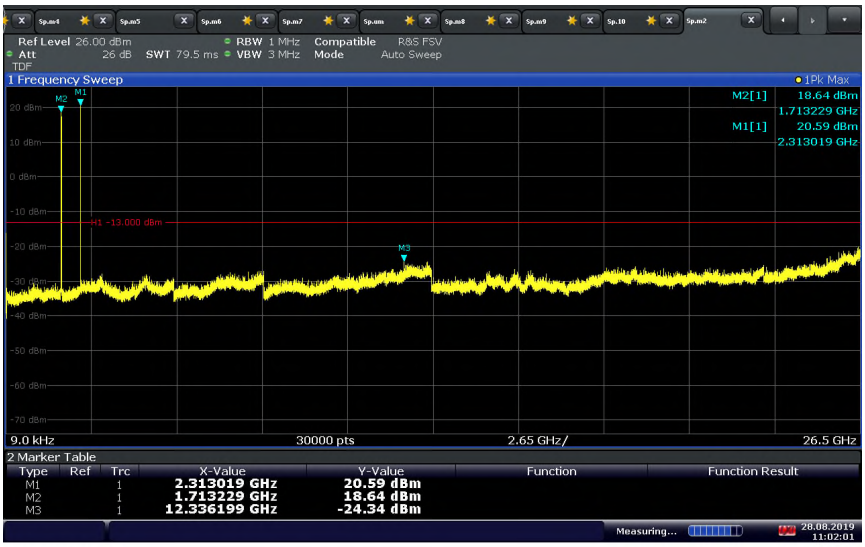
2 Bands per antenna port Conducted Spurious Emissions
Antenna Port A Uplink: LTE Band 4 15MHz BW Low Ch & LTE Band 12 10MHz BW Low Ch



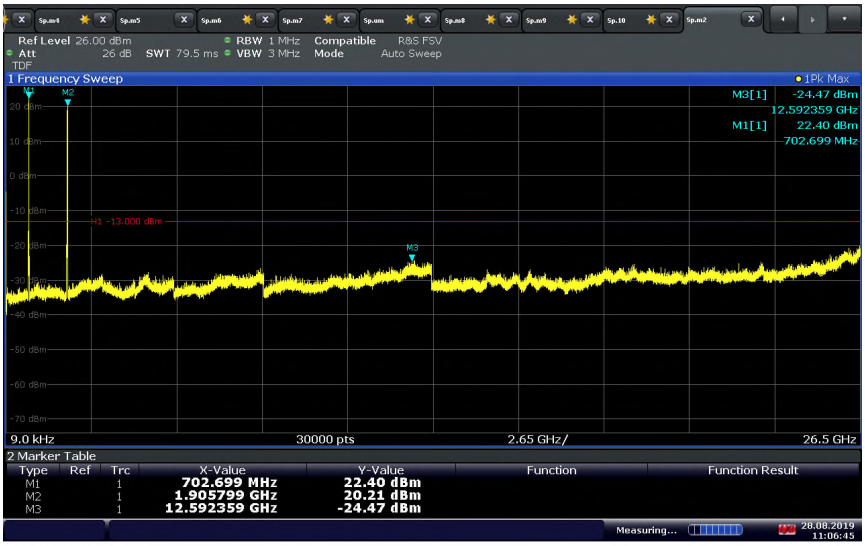
09:29:18 23.08.2019

2 Bands per antenna port Conducted Spurious Emissions
Antenna Port A Uplink: LTE Band 4 15MHz BW Low Ch & LTE Band 30 5MHz BW High Ch



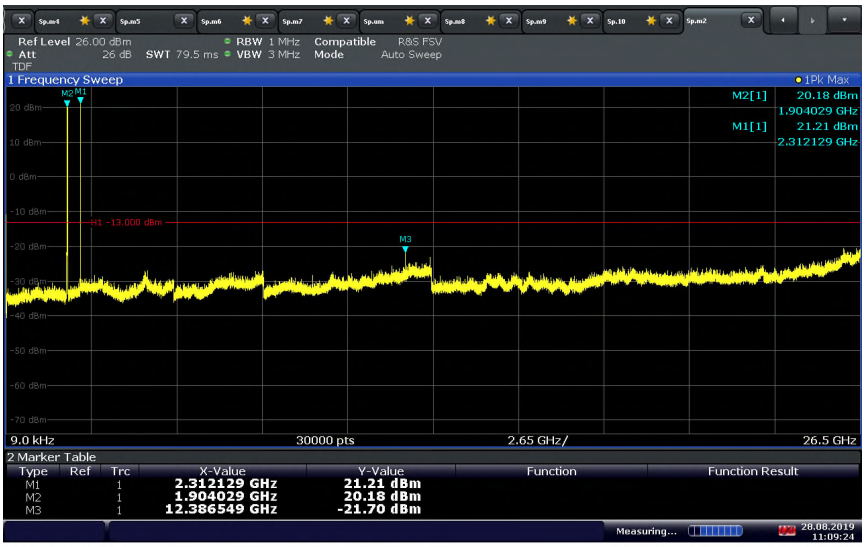
11:02:01 28.08.2019

2 Bands per antenna port Conducted Spurious Emissions
Antenna Port A Uplink: LTE Band 25 20MHz BW High Ch & LTE Band 12 10MHz BW Low Ch



11:06:45 28.08.2019

2 Bands per antenna port Conducted Spurious Emissions
Antenna Port A Uplink: LTE Band 25 20MHz BW High Ch & LTE Band 30 5MHz BW High Ch



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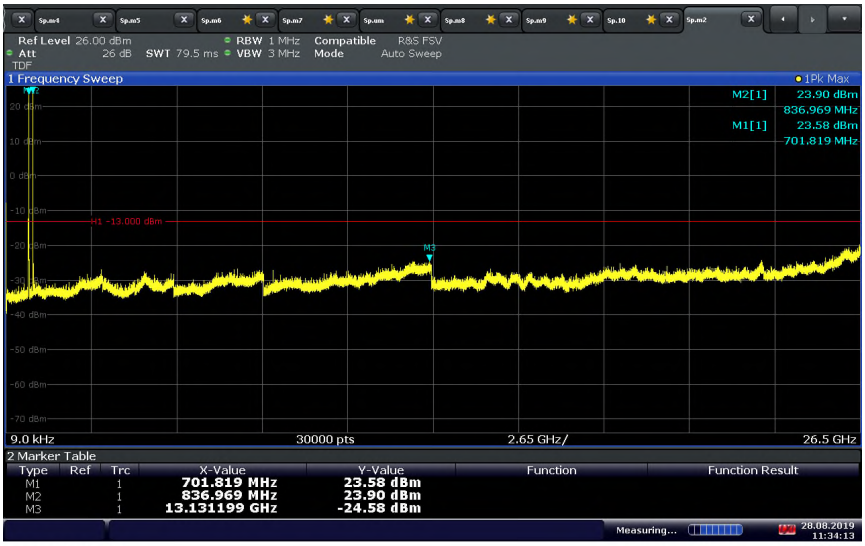
2 Bands per antenna port Conducted Spurious Emissions
Antenna Port A Uplink: WCDMA Band 5 5MHz BW Mid Ch & LTE Band 12 10MHz BW Low Ch



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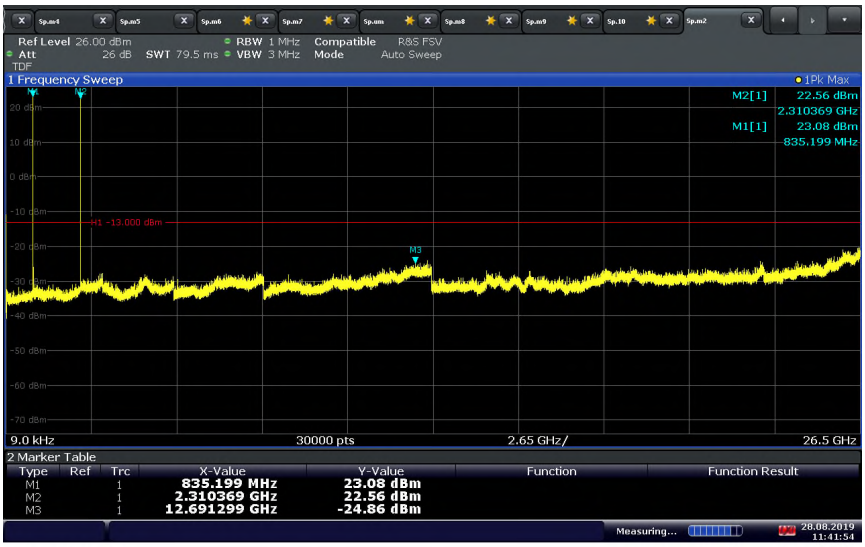
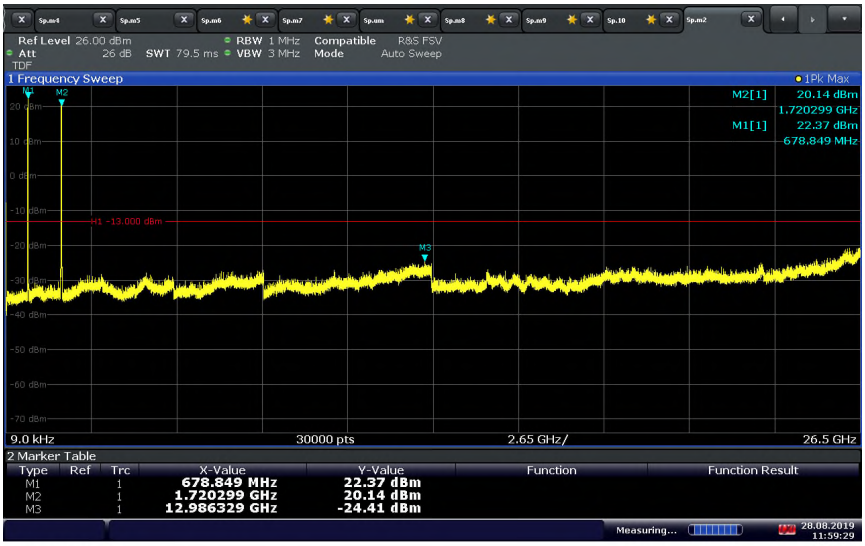
2 Bands per antenna port Conducted Spurious Emissions
Antenna Port A Uplink: WCDMA Band 5 5MHz BW Mid Ch & LTE Band 30 5MHz BW High Ch



11:41:55 28.08.2019

2 Bands per antenna port Conducted Spurious Emissions
Antenna Port B Uplink: LTE Band 4 15MHz BW Low Ch & LTE Band 71 10MHz BW Mid Ch



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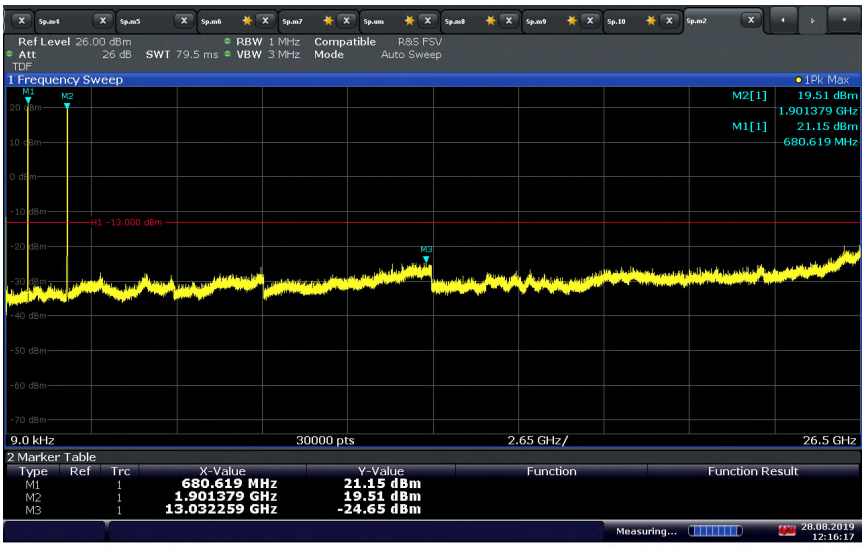
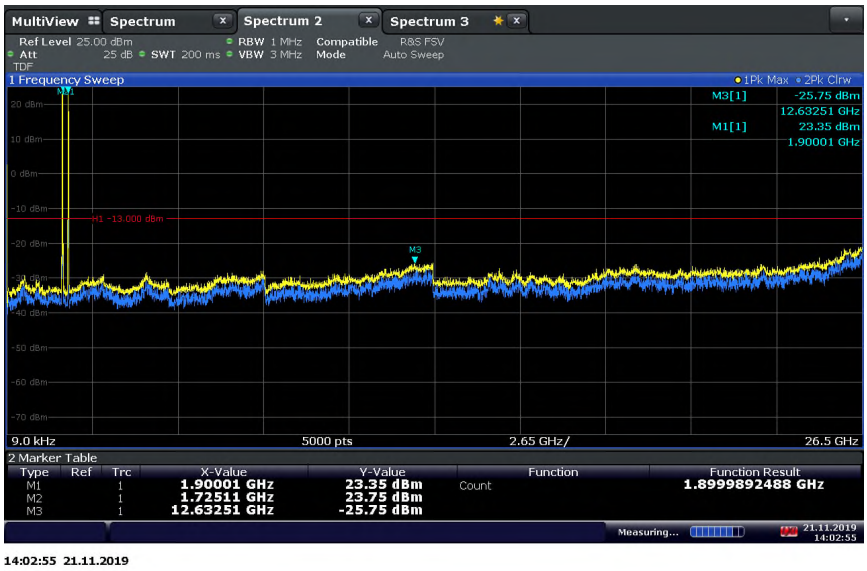
2 Bands per antenna port Conducted Spurious Emissions
Antenna Port B Uplink: LTE Band 25 20MHz BW High Ch & LTE Band 71 10MHz BW Mid Ch



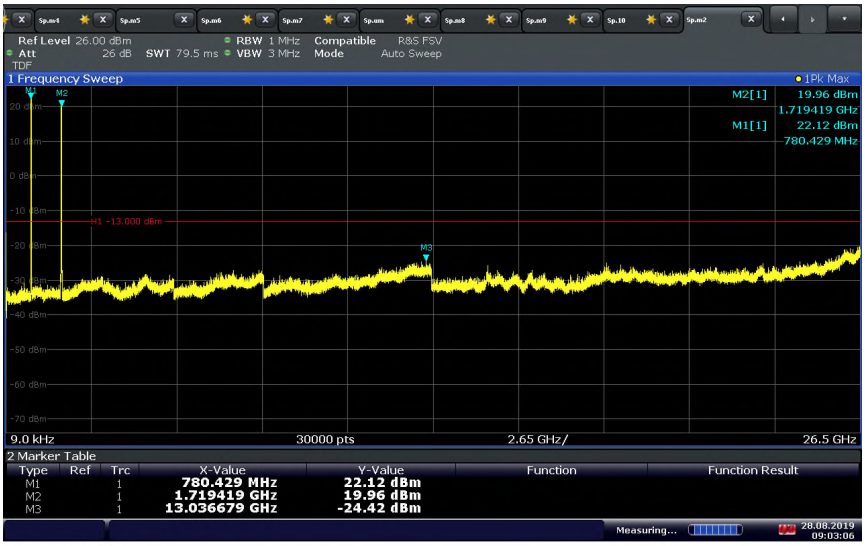
12:16:18 28.08.2019

2 Bands per antenna port Conducted Spurious Emissions
Antenna Port B Uplink: LTE Band 4 15MHz BW Low Ch & LTE Band 25 20MHz BW High Ch



14:02:55 21.11.2019

2 Bands per antenna port Conducted Spurious Emissions
Antenna Port C Uplink: LTE Band 4 15MHz BW Low Ch & LTE Band 13 10MHz BW Mid Ch



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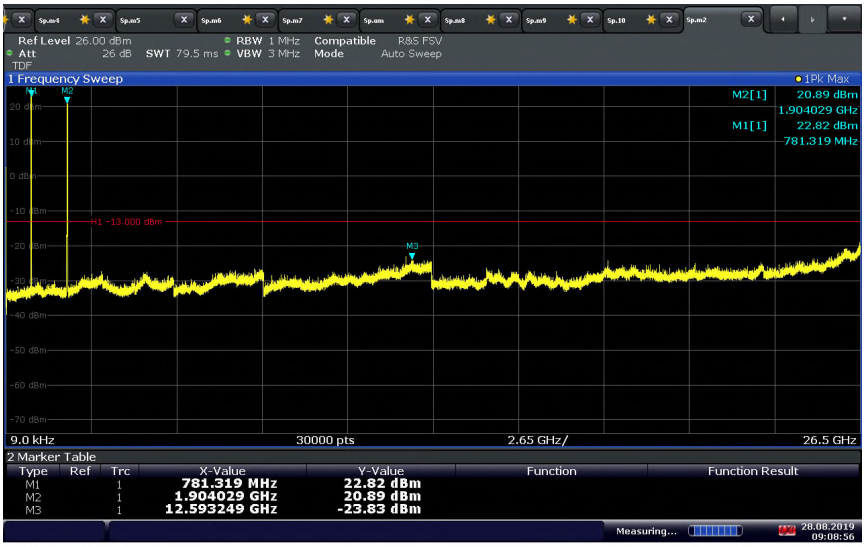
2 Bands per antenna port Conducted Spurious Emissions
Antenna Port C Uplink: LTE Band 25 20MHz BW High Ch & LTE Band 13 10MHz BW Mid Ch



09:08:57 28.08.2019

2.8 FIELD STRENGTH OF SPURIOUS RADIATION

2.8.1 Specification Reference

FCC 47 CFR Part 2, Clause 2.1053
FCC 47 CFR Part 27, Clause 27.53 (h)(1)
FCC 47 CFR Part 27, Clause 27.53 (g)
FCC 47 CFR Part 27, Clause 27.53 (c)
FCC 47 CFR Part 27, Clause 27.53(a)(1)
RSS-139, Clause 6.6
RSS-130, Clause 4.7
RSS-195, Clause 5.6.1

2.8.2 Standard Applicable

FCC 47 CFR Part 27, Clause 27.53:
(h) AWS emission limits – (1) General protection levels. Except as otherwise specified below, for operatios 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 MHz 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.

(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.

(c) For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
(1) On any frequency outside the 746–758 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;
(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;

(a) For operations in the 2305–2320 MHz band and the 2345–2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:
(1) For base and fixed stations' operations in the 2305–2320 MHz band and the 2345–2360 MHz band:
(i) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, and not less than 75 + 10 log (P) dB on all frequencies between 2320 and 2345 MHz;
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 70 + 10 log (P) dB on all frequencies between 2287.5 and 2300 MHz, 72 + 10 log (P) dB on all frequencies between 2285 and 2287.5 MHz, and 75 + 10 log (P) dB below 2285 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2362.5 MHz, 55 + 10 log (P) dB on all frequencies between 2362.5 and 2365 MHz, 70 + 10 log (P) dB on all frequencies between 2365 and 2367.5 MHz, 72 + 10 log (P) dB on all frequencies between 2367.5 and 2370 MHz, and 75 + 10 log (P) dB above 2370 MHz.

RSS-139, Clause 6.6:
(i) In the first 1.0 MHz bands immediatel outside and adjacent to the equipment's smallest opreating frequency block, which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (dBW), by at least 43 + 10 $\log_{10}$ p (watts) dB.

RSS-130:
4.7.1 General unwanted emissions limits
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.

RSS-195, Clause 5.6.1:
The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, P(dBW), by the amount indicated in Table 1 and graphically represented in Figure 1, where p is the transmitter output power measured in watts.

Table 1 — Unwanted Emissions for Base Station, Fixed Station and High-Power Fixed Subscriber Equipment

Frequency (MHz)	Attenuation (dB)
<2200	43 + 10 $\log_{10}$(p)
2200 - 2285	75 + 10 $\log_{10}$(p)
2285 - 2287.5	72 + 10 $\log_{10}$(p)
2287.5 - 2300	70 + 10 $\log_{10}$(p)
2300 - 2305	43 + 10 $\log_{10}$(p)
2305 - 2320	43 + 10 $\log_{10}$(p) Note
2320 - 2345	75 + 10 $\log_{10}$(p)
2345 - 2360	43 + 10 $\log_{10}$(p) Note
2360 - 2362.5	43 + 10 $\log_{10}$(p)
2362.5 - 2365	55 + 10 $\log_{10}$(p)
2365 - 2367.5	70 + 10 $\log_{10}$(p)
2367.5 - 2370	72 + 10 $\log_{10}$(p)
2370 - 2395	75 + 10 $\log_{10}$(p)
>2395	43 + 10 $\log_{10}$(p)

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 5.2 for the permitted frequency ranges for the various equipment types.

2.8.3 Equipment Under Test and Modification State

Serial No: 370920000139 (NU) and 371929000156 (CU) / Test Configuration C and D

2.8.4 Date of Test/Initial of test personnel who performed the test

August 14 to September 07, 2019/XYZ

2.8.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.8.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	25.2 - 26.4°C
Relative Humidity	42.3 - 53.7%
ATM Pressure	98.8 - 99.1kPa

2.8.7 Additional Observations

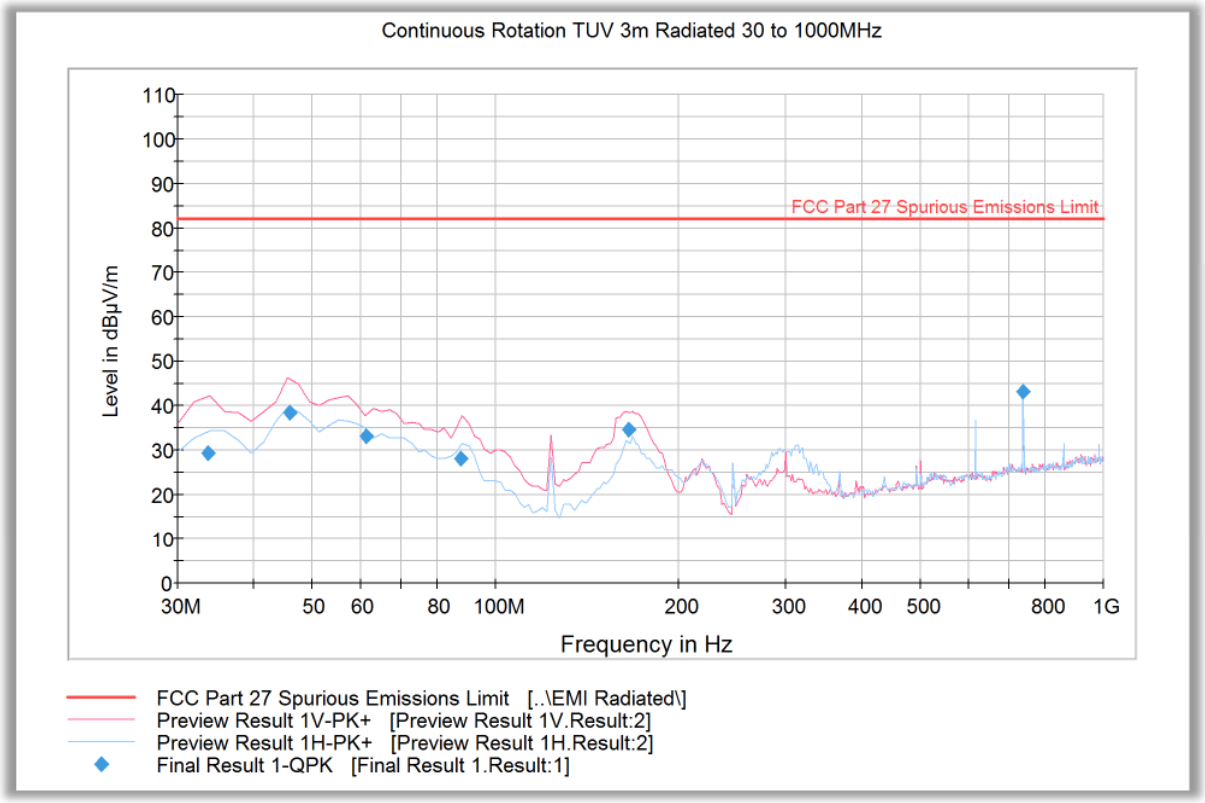
- This is a radiated test using substitution method as per Unwanted Emissions: Radiated Spurious method of measurement of C63.26 2015.
- Emissions within 6dB of the limit will be proven by substitution method.
- This is cabinet spurious emissions testing. Main antenna port was terminated during the test. Fundamental frequency measurement will be ignored for this test.
- Only the worst case configuration presented in this test report.
- Measurement was done using EMC32 automated software. Reported level is the actual level with all the correction factors factored in. Correction Factor column is for informational purposes only.

2.8.8 Test Results

Compliant. See attached plots.

TÜV SÜD AMERICA INC 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone: 858 678 1400 FAX: 858 546 0364

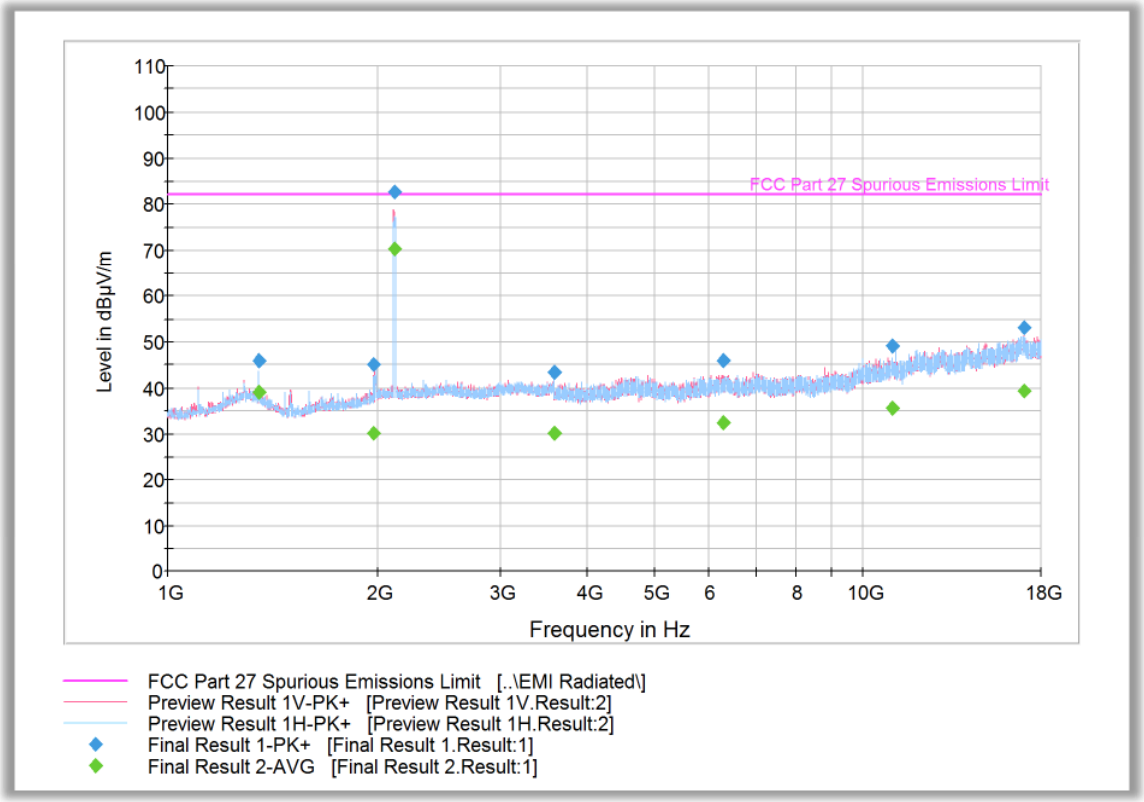
2.8.9 Test Results Below 1GHz (LTE Band 4 Downlink Worst Case Configuration) - 20MHz Bandwidth High Channel



Quasi Peak Data

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
33.607776	29.5	1000.0	120.000	150.0	V	1.0	-9.3	52.7	82.2
45.831102	38.5	1000.0	120.000	100.0	V	194.0	-13.8	43.7	82.2
61.406092	33.2	1000.0	120.000	160.0	V	223.0	-16.8	49.0	82.2
87.876633	28.1	1000.0	120.000	110.0	V	322.0	-15.5	54.1	82.2
165.288257	34.7	1000.0	120.000	110.0	V	79.0	-11.8	47.5	82.2
737.295150	43.1	1000.0	120.000	100.0	H	254.0	2.7	39.1	82.2

2.8.10 Test Results Above 1GHz (LTE Band 4 Downlink Worst Case Configuration) - 20MHz Bandwidth Low Channel



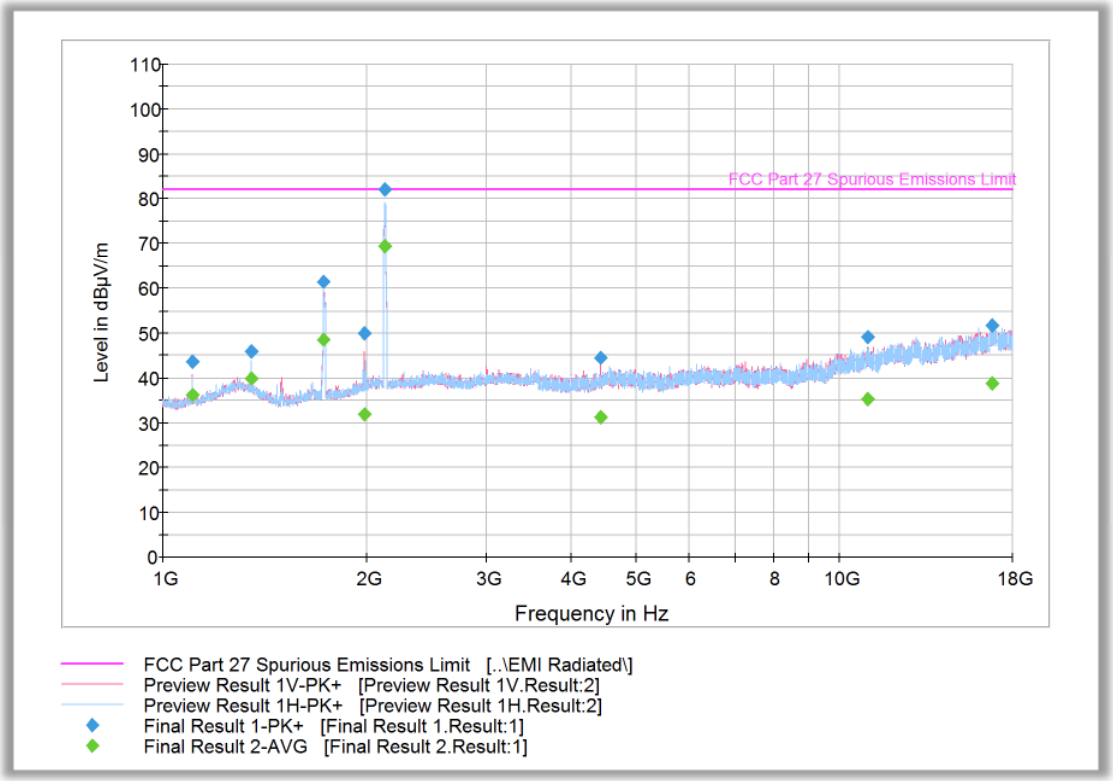
Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1351.733333	45.9	1000.0	1000.000	191.5	H	-3.0	-5.1	36.3	82.2
1976.233333	45.2	1000.0	1000.000	138.7	H	23.0	-2.3	37.0	82.2
2114.866667	82.8	1000.0	1000.000	252.3	V	184.0	-2.2	Fundamental Carrier	
3593.266667	43.4	1000.0	1000.000	338.1	H	105.0	1.7	38.8	82.2
6273.033333	46.0	1000.0	1000.000	187.5	V	20.0	6.3	36.2	82.2
11003.566667	49.1	1000.0	1000.000	124.7	V	335.0	11.8	33.1	82.2
17038.900000	53.1	1000.0	1000.000	162.6	V	210.0	17.8	29.1	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1351.733333	39.2	1000.0	1000.000	191.5	H	-3.0	-5.1	43.0	82.2
1976.233333	30.0	1000.0	1000.000	138.7	H	23.0	-2.3	52.2	82.2
2114.866667	70.3	1000.0	1000.000	252.3	V	184.0	-2.2	Fundamental Carrier	
3593.266667	30.1	1000.0	1000.000	338.1	H	105.0	1.7	52.1	82.2
6273.033333	32.5	1000.0	1000.000	187.5	V	20.0	6.3	49.7	82.2
11003.566667	35.5	1000.0	1000.000	124.7	V	335.0	11.8	46.7	82.2
17038.900000	39.4	1000.0	1000.000	162.6	V	210.0	17.8	42.8	82.2

2.8.11 Test Results Above 1GHz (LTE Band 4 Downlink Worst Case Configuration) - 20MHz Bandwidth Middle Channel



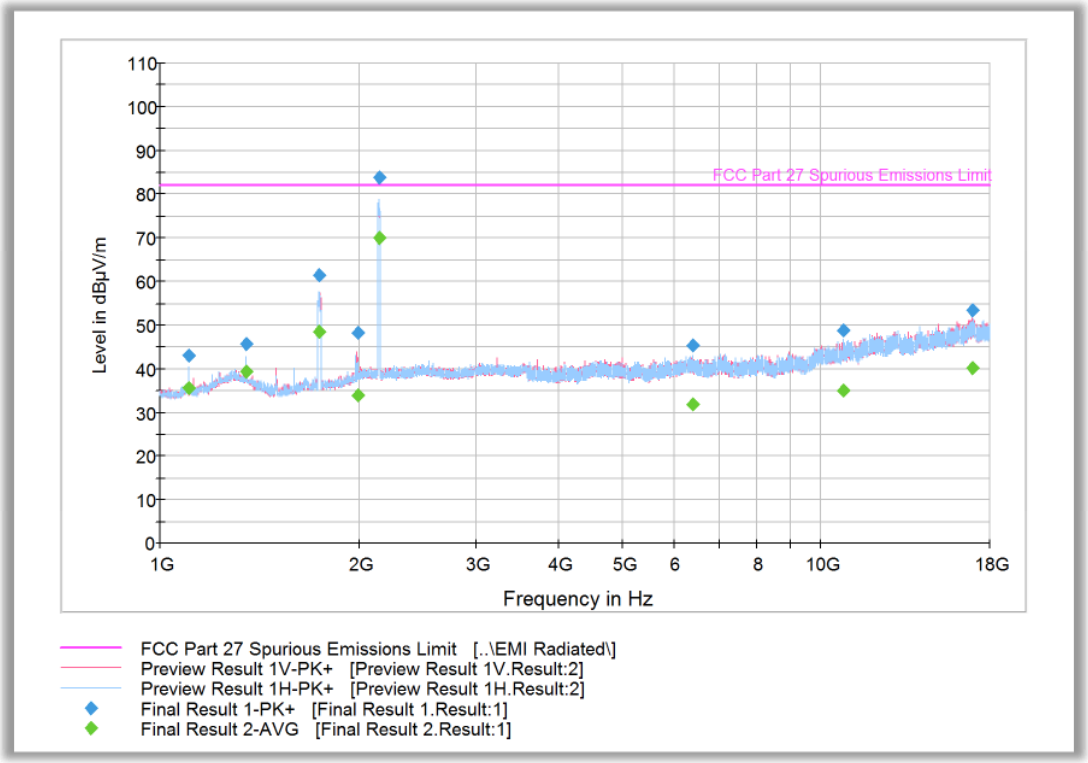
Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1105.800000	43.7	1000.0	1000.000	103.7	H	198.0	-6.9	38.5	82.2
1351.533333	46.0	1000.0	1000.000	194.5	H	-3.0	-5.1	36.2	82.2
1725.700000	61.5	1000.0	1000.000	186.5	H	287.0	-4.7	20.7	82.2
1986.766667	49.9	1000.0	1000.000	200.5	V	122.0	-2.3	32.3	82.2
2124.866667	82.3	1000.0	1000.000	306.2	H	246.0	-2.2	Fundamental Carrier	
4431.700000	44.5	1000.0	1000.000	295.2	V	335.0	3.2	37.7	82.2
10998.500000	49.1	1000.0	1000.000	177.6	V	282.0	11.8	33.1	82.2
16760.366667	51.8	1000.0	1000.000	285.3	H	286.0	17.8	30.4	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1105.800000	36.3	1000.0	1000.000	103.7	H	198.0	-6.9	45.9	82.2
1351.533333	39.9	1000.0	1000.000	194.5	H	-3.0	-5.1	42.3	82.2
1725.700000	48.5	1000.0	1000.000	186.5	H	287.0	-4.7	33.7	82.2
1986.766667	31.9	1000.0	1000.000	200.5	V	122.0	-2.3	50.3	82.2
2124.866667	69.6	1000.0	1000.000	306.2	H	246.0	-2.2	Fundamental Carrier	
4431.700000	31.4	1000.0	1000.000	295.2	V	335.0	3.2	50.8	82.2
10998.500000	35.4	1000.0	1000.000	177.6	V	282.0	11.8	46.8	82.2
16760.366667	38.9	1000.0	1000.000	285.3	H	286.0	17.8	43.3	82.2

2.8.12 Test Results Above 1GHz (LTE Band 4 Downlink Worst Case Configuration) - 20MHz Bandwidth High Channel



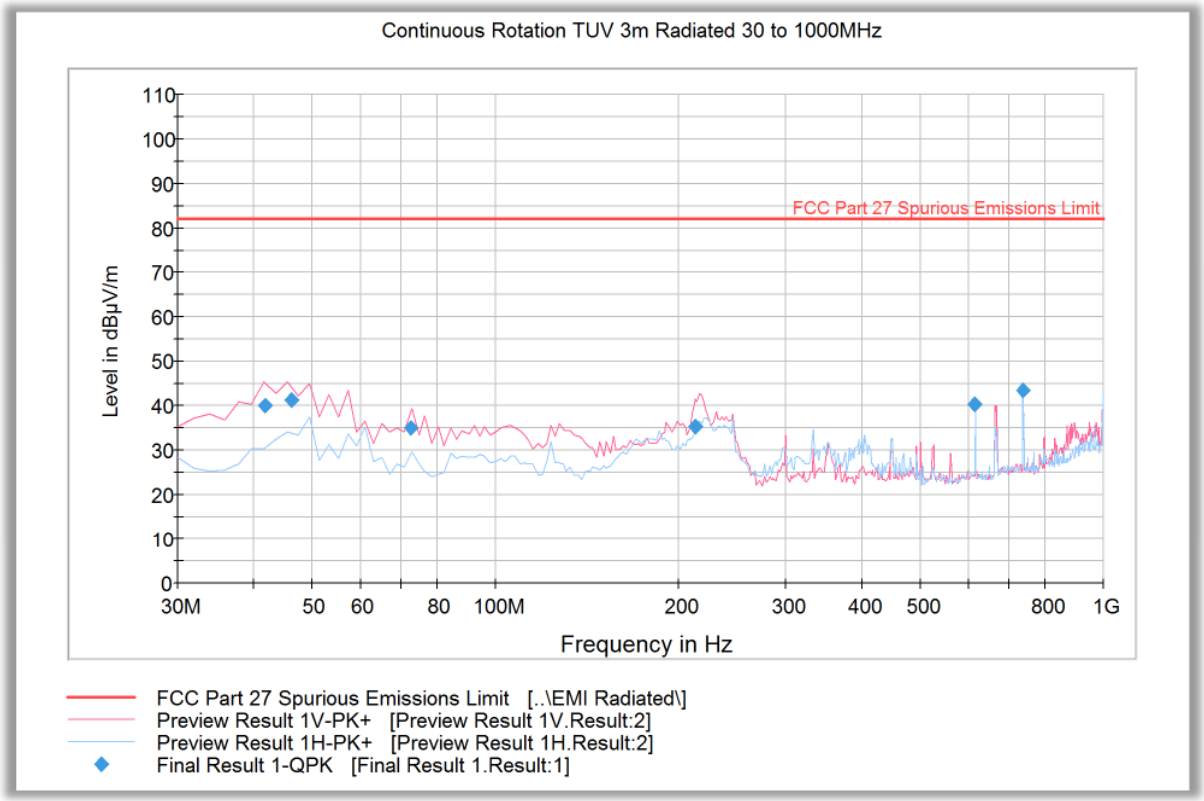
Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1105.766667	43.2	1000.0	1000.000	100.7	H	222.0	-6.9	39.0	82.2
1351.533333	45.8	1000.0	1000.000	195.5	H	0.0	-5.1	36.4	82.2
1744.000000	61.5	1000.0	1000.000	178.6	H	291.0	-4.4	20.7	82.2
1992.933333	48.4	1000.0	1000.000	275.3	V	304.0	-2.2	33.8	82.2
2147.300000	83.8	1000.0	1000.000	252.3	H	255.0	-2.2	Fundamental Carrier	
6392.800000	45.5	1000.0	1000.000	99.7	H	150.0	6.4	36.7	82.2
10793.666667	48.8	1000.0	1000.000	103.7	H	110.0	11.7	33.4	82.2
16969.633333	53.3	1000.0	1000.000	240.4	V	322.0	17.9	28.9	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1105.766667	35.5	1000.0	1000.000	100.7	H	222.0	-6.9	46.7	82.2
1351.533333	39.4	1000.0	1000.000	195.5	H	0.0	-5.1	42.8	82.2
1744.000000	48.5	1000.0	1000.000	178.6	H	291.0	-4.4	33.7	82.2
1992.933333	33.8	1000.0	1000.000	275.3	V	304.0	-2.2	48.4	82.2
2147.300000	70.2	1000.0	1000.000	252.3	H	255.0	-2.2	Fundamental Carrier	
6392.800000	31.8	1000.0	1000.000	99.7	H	150.0	6.4	50.4	82.2
10793.666667	35.1	1000.0	1000.000	103.7	H	110.0	11.7	47.1	82.2
16969.633333	40.1	1000.0	1000.000	240.4	V	322.0	17.9	42.1	82.2

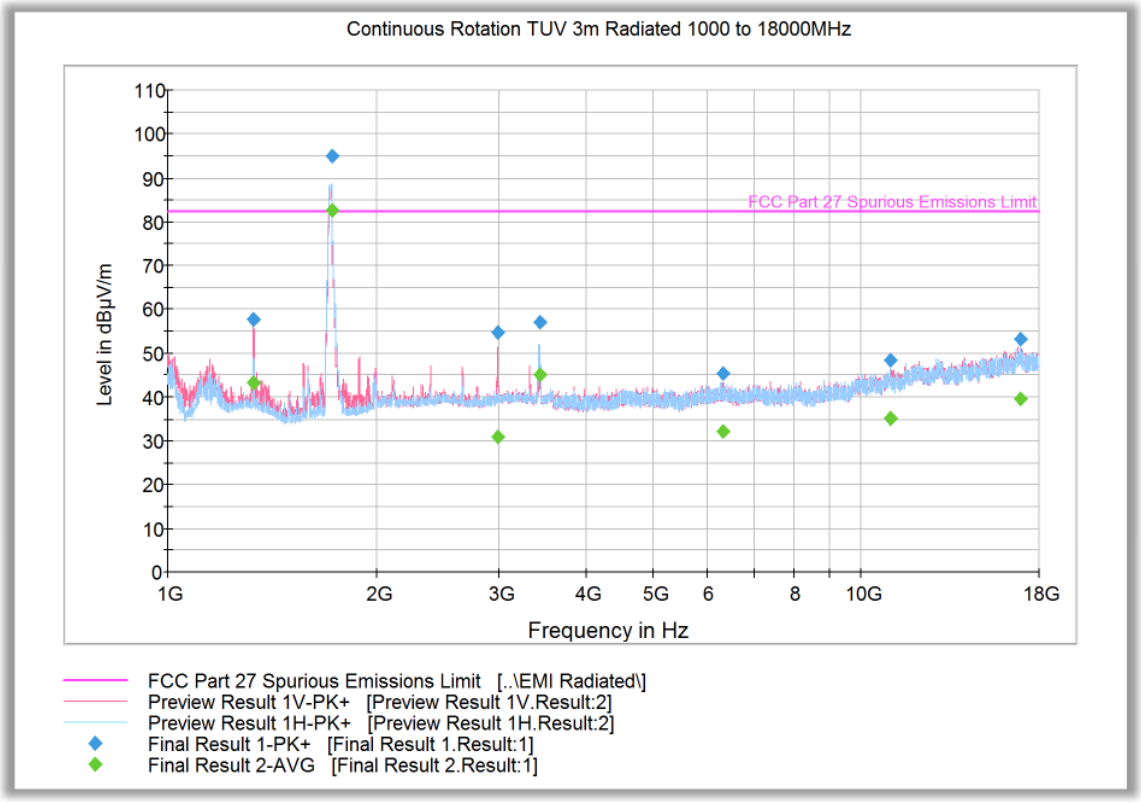
2.8.13 Test Results Below 1GHz (LTE Band 4 Uplink Worst Case Configuration) - 15MHz Bandwidth Low Channel



Quasi Peak Data

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
41.743327	39.9	1000.0	120.000	122.0	V	271.0	-12.6	42.3	82.2
46.071102	41.3	1000.0	120.000	100.0	V	279.0	-13.9	40.9	82.2
72.405531	35.0	1000.0	120.000	100.0	V	79.0	-17.2	47.2	82.2
213.573226	35.2	1000.0	120.000	100.0	V	221.0	-10.0	47.0	82.2
614.390220	40.2	1000.0	120.000	140.0	H	302.0	0.9	42.0	82.2
737.295150	43.3	1000.0	120.000	201.0	V	164.0	2.7	38.9	82.2

2.8.14 Test Results Above 1GHz (LTE Band 4 Uplink Worst Case Configuration) - 15MHz Bandwidth Low Channel



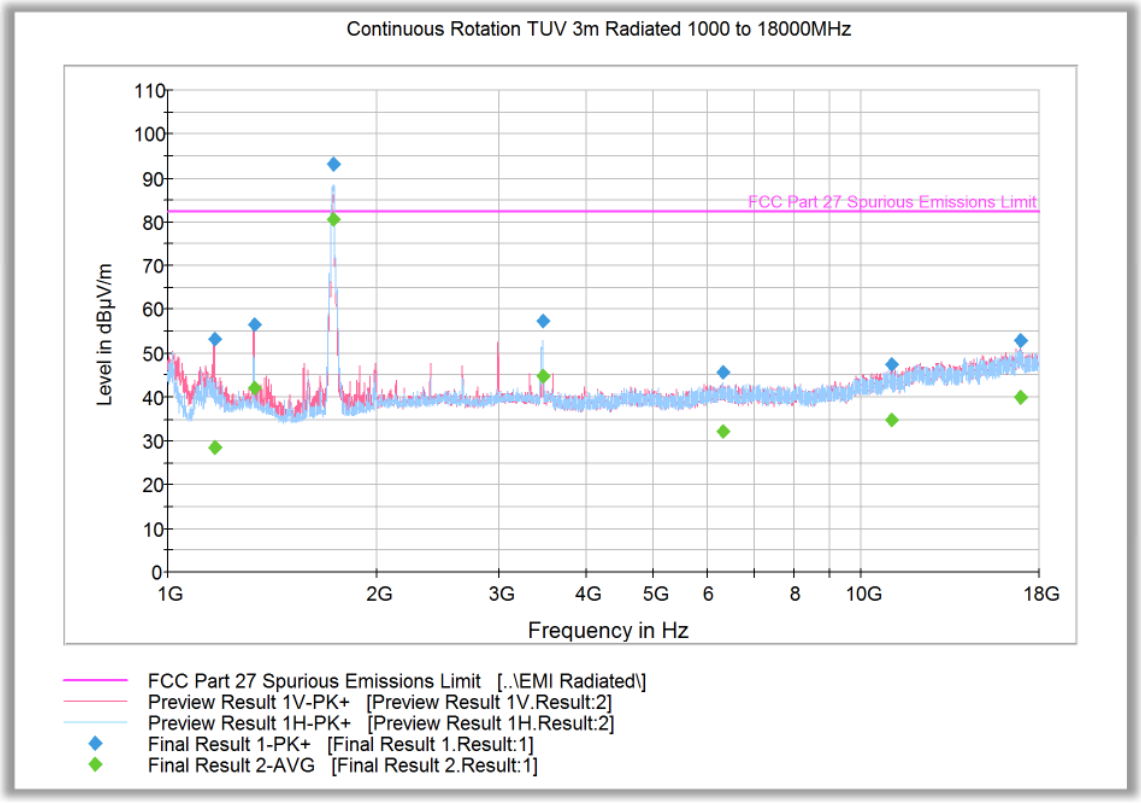
Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1329.600000	57.7	1000.0	1000.000	195.5	V	93.0	-5.1	24.5	82.2
1722.300000	95.0	1000.0	1000.000	296.2	H	97.0	-4.7	Fundamental Carrier	
2995.033333	54.8	1000.0	1000.000	151.6	V	269.0	0.8	27.4	82.2
3435.933333	57.1	1000.0	1000.000	291.2	H	118.0	0.9	25.1	82.2
6323.833333	45.4	1000.0	1000.000	344.1	V	252.0	6.2	36.8	82.2
11000.733333	48.2	1000.0	1000.000	270.3	H	1.0	11.8	34.0	82.2
16957.366667	53.1	1000.0	1000.000	165.6	H	27.0	17.9	29.1	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1329.600000	43.3	1000.0	1000.000	195.5	V	93.0	-5.1	38.9	82.2
1722.300000	82.7	1000.0	1000.000	296.2	H	97.0	-4.7	Fundamental Carrier	
2995.033333	30.9	1000.0	1000.000	151.6	V	269.0	0.8	51.3	82.2
3435.933333	45.0	1000.0	1000.000	291.2	H	118.0	0.9	37.2	82.2
6323.833333	32.2	1000.0	1000.000	344.1	V	252.0	6.2	50.0	82.2
11000.733333	35.2	1000.0	1000.000	270.3	H	1.0	11.8	47.0	82.2
16957.366667	39.7	1000.0	1000.000	165.6	H	27.0	17.9	42.5	82.2

2.8.15 Test Results Above 1GHz (LTE Band 4 Uplink Worst Case Configuration) - 15MHz Bandwidth Middle Channel



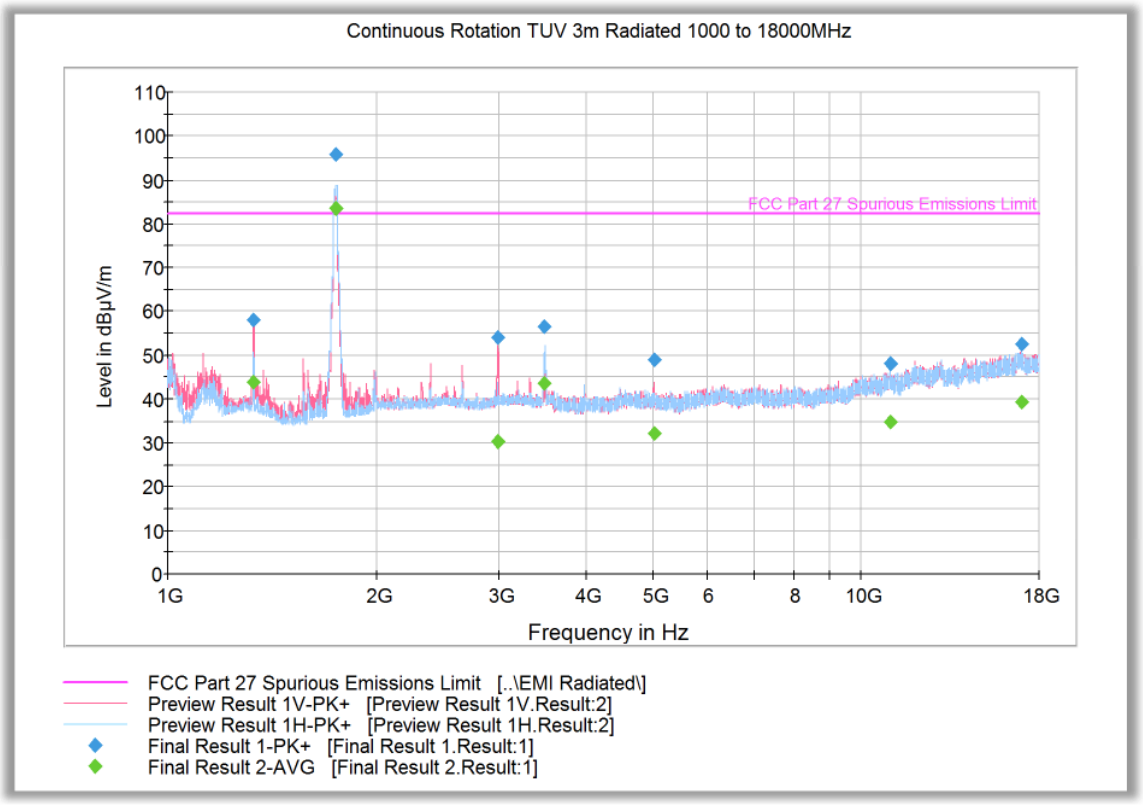
Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1169.100000	53.2	1000.0	1000.000	241.3	V	231.0	-6.7	29.0	82.2
1331.866667	56.6	1000.0	1000.000	194.5	V	88.0	-5.1	25.6	82.2
1737.233333	93.1	1000.0	1000.000	142.7	H	96.0	-4.5	Fundamental Carrier	
3466.700000	57.5	1000.0	1000.000	124.7	H	116.0	1.1	24.7	82.2
6318.400000	45.7	1000.0	1000.000	285.3	H	15.0	6.2	36.5	82.2
11020.033333	47.4	1000.0	1000.000	199.5	V	36.0	11.8	34.8	82.2
16937.066667	52.8	1000.0	1000.000	178.6	V	263.0	18.0	29.4	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1169.100000	28.4	1000.0	1000.000	241.3	V	231.0	-6.7	53.8	82.2
1331.866667	41.9	1000.0	1000.000	194.5	V	88.0	-5.1	40.3	82.2
1737.233333	80.6	1000.0	1000.000	142.7	H	96.0	-4.5	Fundamental Carrier	
3466.700000	44.7	1000.0	1000.000	124.7	H	116.0	1.1	37.5	82.2
6318.400000	32.2	1000.0	1000.000	285.3	H	15.0	6.2	50.0	82.2
11020.033333	34.7	1000.0	1000.000	199.5	V	36.0	11.8	47.5	82.2
16937.066667	39.9	1000.0	1000.000	178.6	V	263.0	18.0	42.4	82.2

2.8.16 Test Results Above 1GHz (LTE Band 4 Uplink Worst Case Configuration) - 15MHz Bandwidth High Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1330.166667	58.1	1000.0	1000.000	194.5	V	89.0	-5.1	24.1	82.2
1752.000000	95.8	1000.0	1000.000	116.7	H	109.0	-4.2	Fundamental Carrier	
2991.233333	54.1	1000.0	1000.000	151.6	V	285.0	0.8	28.1	82.2
3492.233333	56.5	1000.0	1000.000	111.7	H	115.0	1.2	25.7	82.2
5039.400000	48.9	1000.0	1000.000	200.5	V	294.0	3.9	33.3	82.2
11012.966667	48.0	1000.0	1000.000	338.1	H	114.0	11.8	34.2	82.2
17022.866667	52.5	1000.0	1000.000	280.2	V	5.0	17.8	29.7	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1330.166667	44.0	1000.0	1000.000	194.5	V	89.0	-5.1	38.2	82.2
1752.000000	83.5	1000.0	1000.000	116.7	H	109.0	-4.2	Fundamental Carrier	
2991.233333	30.3	1000.0	1000.000	151.6	V	285.0	0.8	51.9	82.2
3492.233333	43.4	1000.0	1000.000	111.7	H	115.0	1.2	38.8	82.2
5039.400000	32.0	1000.0	1000.000	200.5	V	294.0	3.9	50.2	82.2
11012.966667	34.9	1000.0	1000.000	338.1	H	114.0	11.8	47.3	82.2
17022.866667	39.4	1000.0	1000.000	280.2	V	5.0	17.8	42.8	82.2