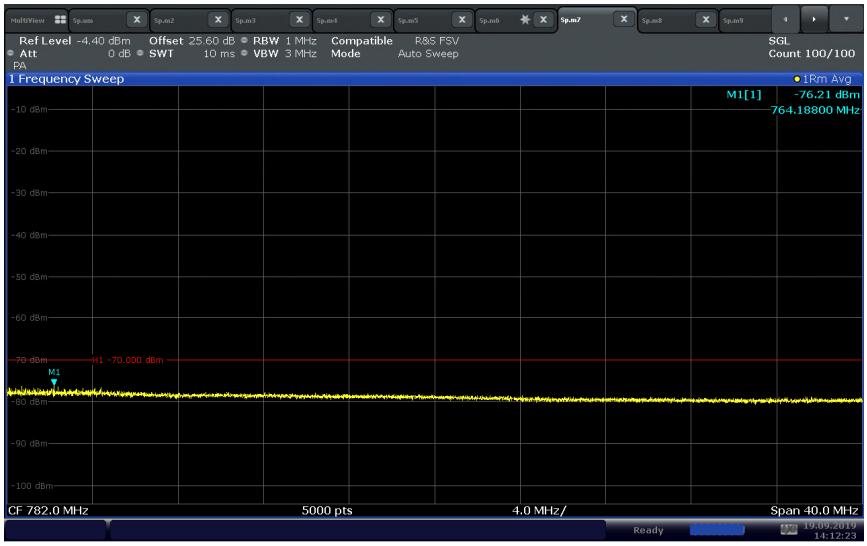
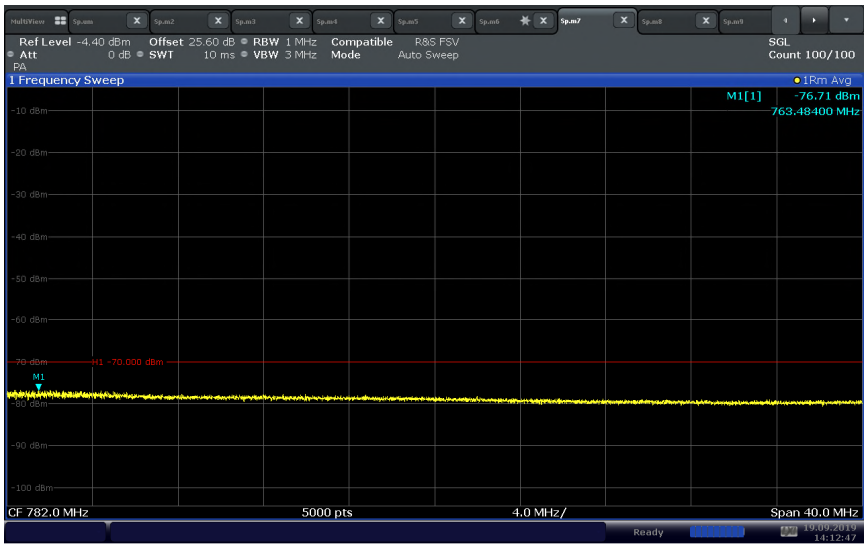
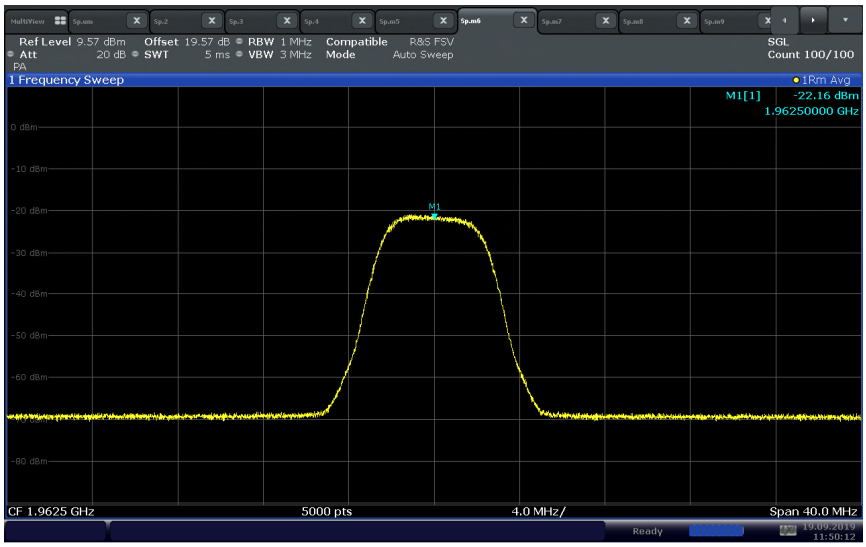
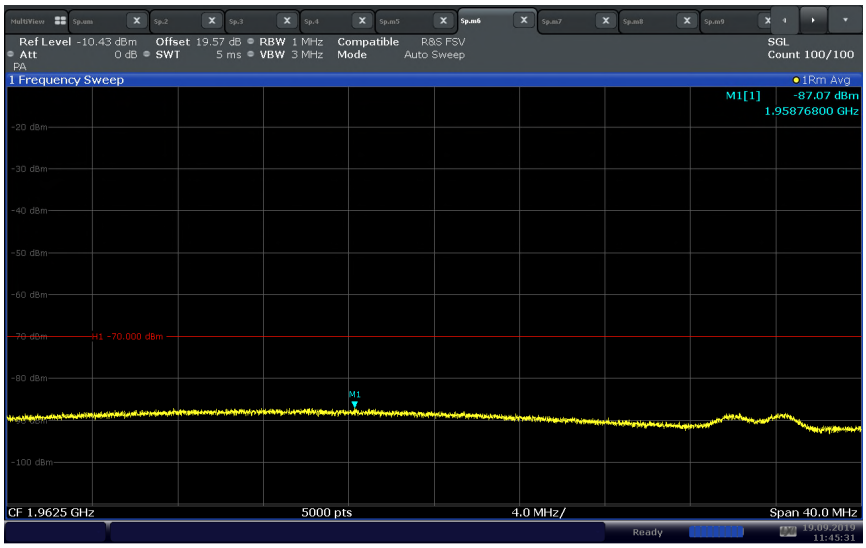
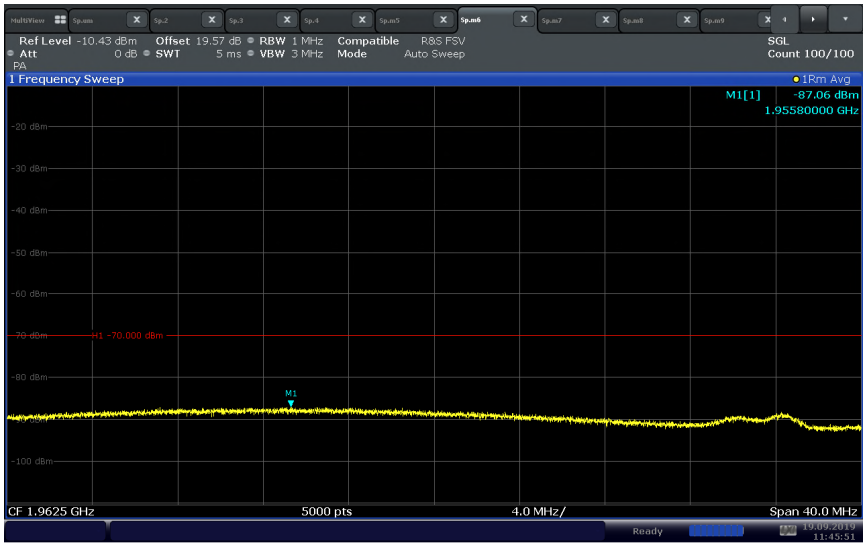
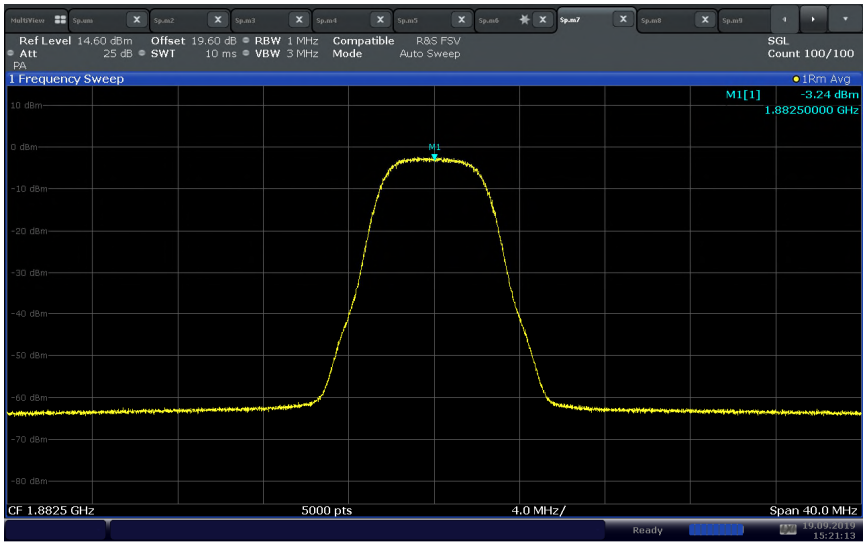
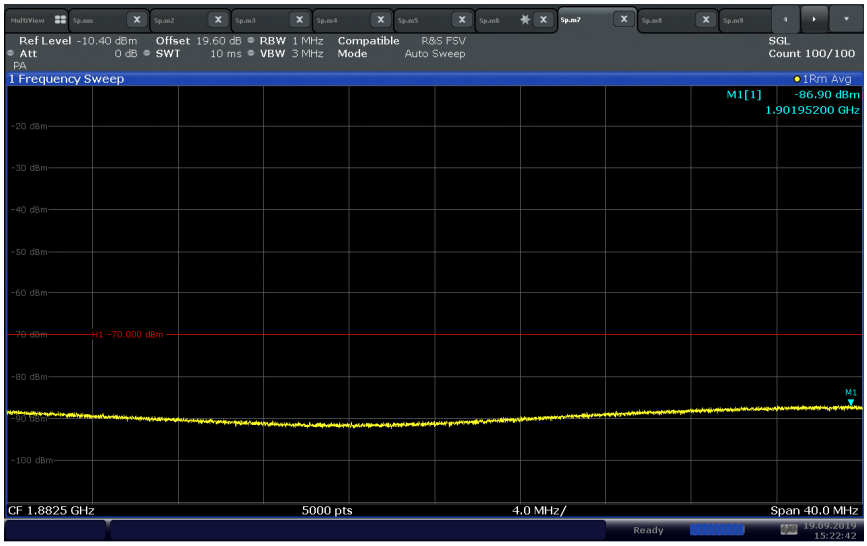
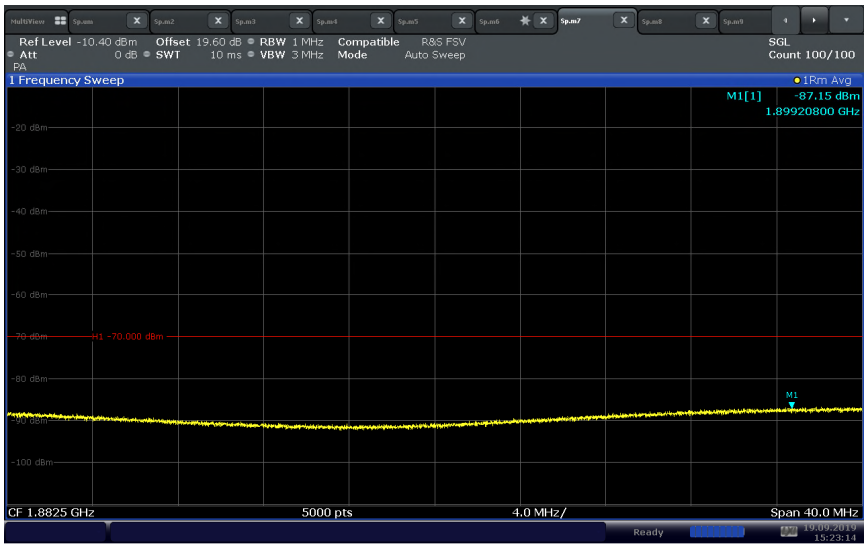
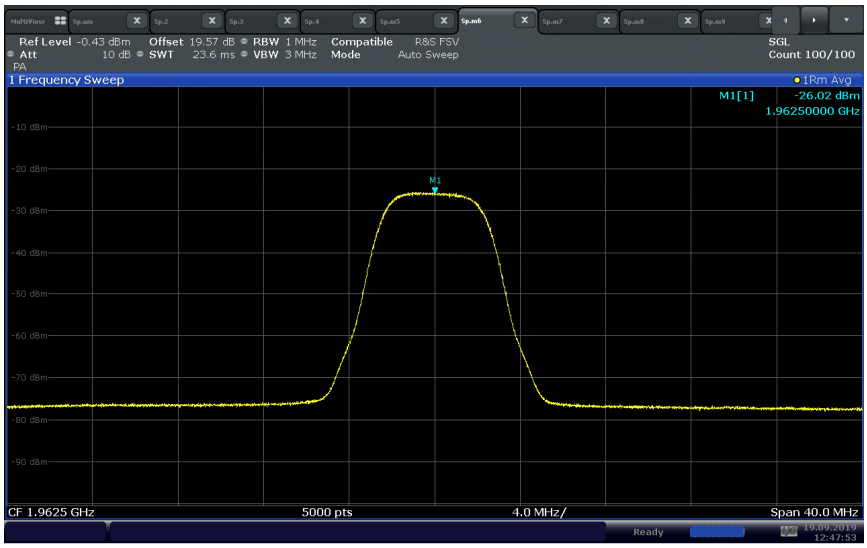
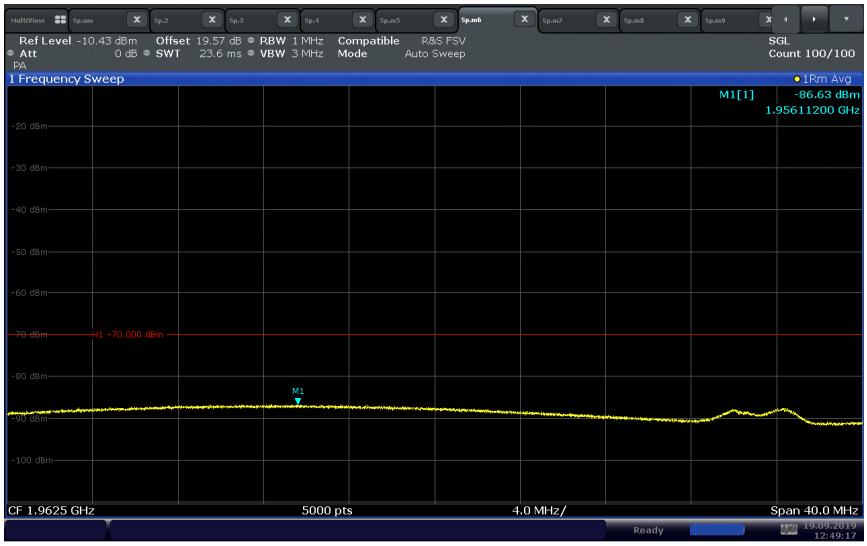
LTE Band 13 Uplink Authorized Frequency Range (777 – 787 MHz) – NU Port C (MCC/MNC: 311-123)
 14:12:23 19.09.2019
LTE Band 13 Uplink Authorized Frequency Range (777 – 787 MHz) – NU Port C (MCC/MNC: 311-321)
 14:12:48 19.09.2019

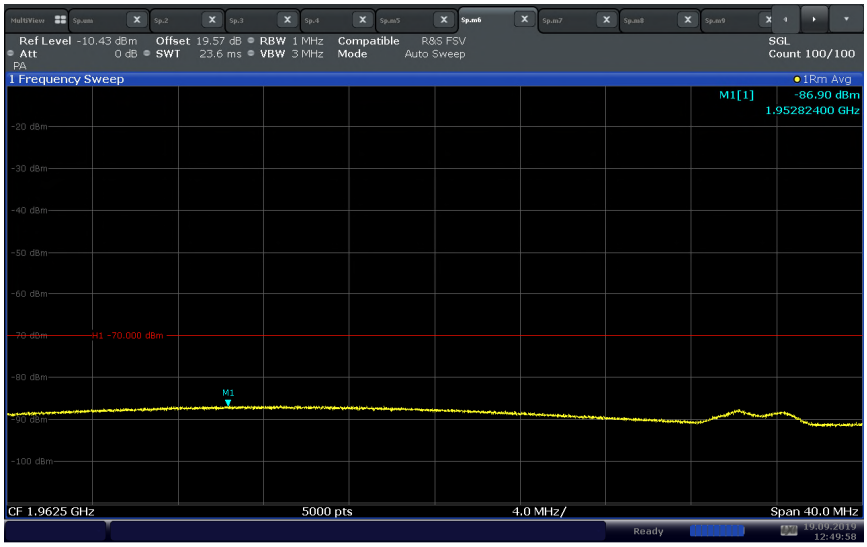
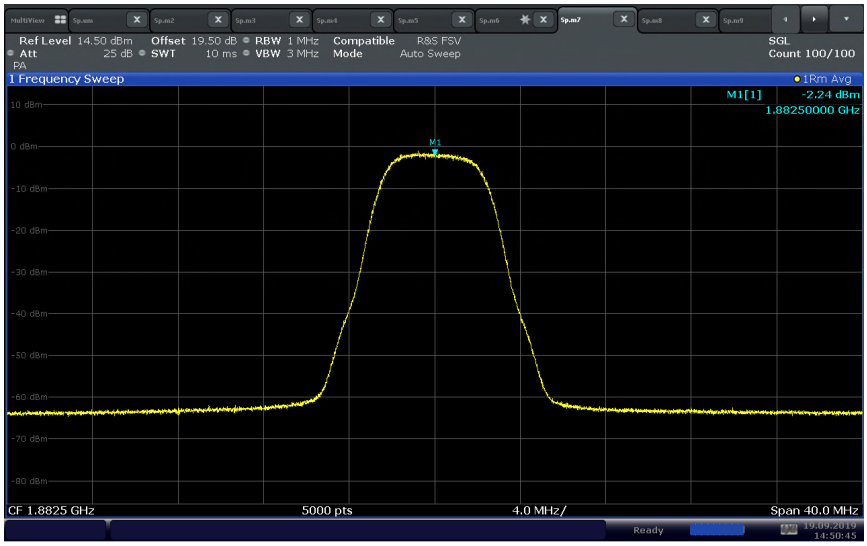
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port A (MCC/MNC: 310-410)
 11:50:12 19.09.2019
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port A (MCC/MNC: 310-123)
 11:45:31 19.09.2019

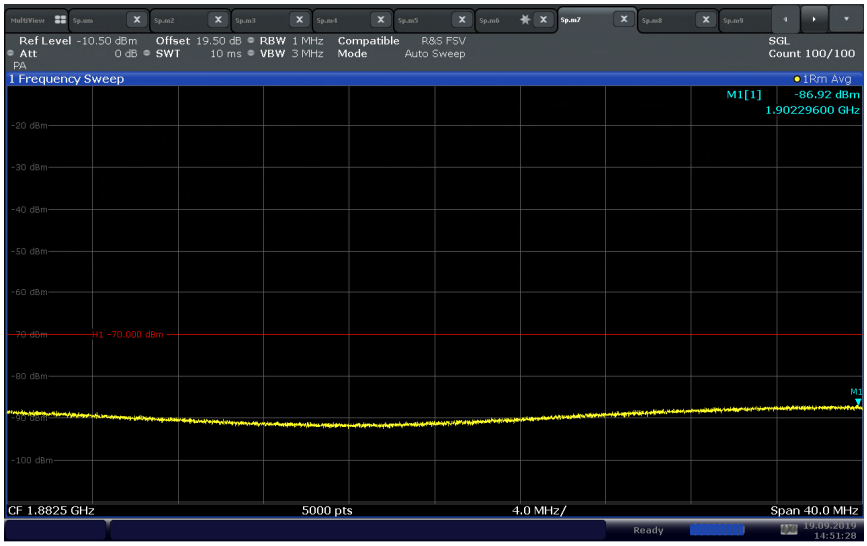
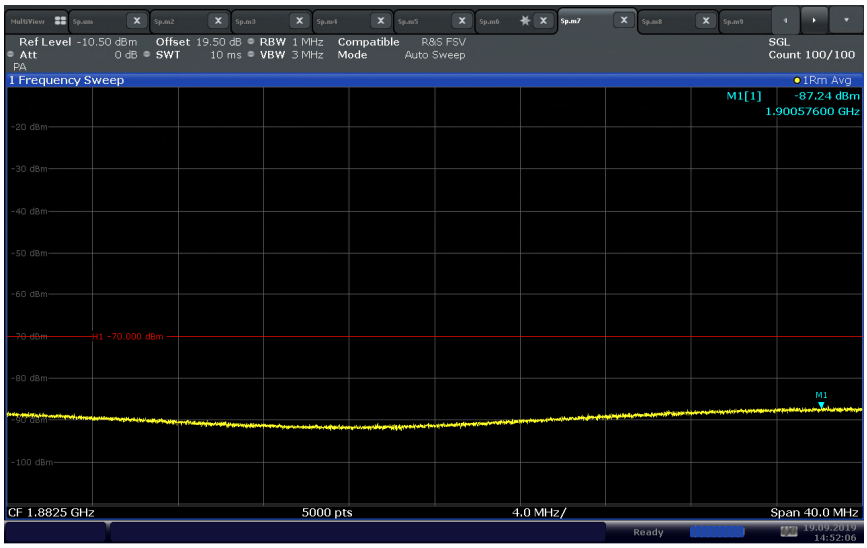
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port A (MCC/MNC: 310-321)
 11:45:52 19.09.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port A (MCC/MNC: 310-410)
 15:21:14 19.09.2019

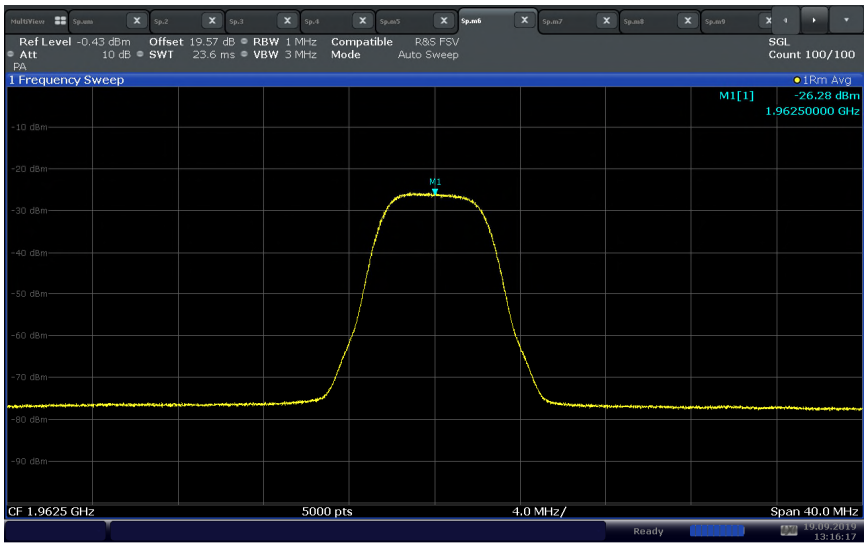
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port A (MCC/MNC: 310-123)
 15:22:42 19.09.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port A (MCC/MNC: 310-321)
 15:23:15 19.09.2019

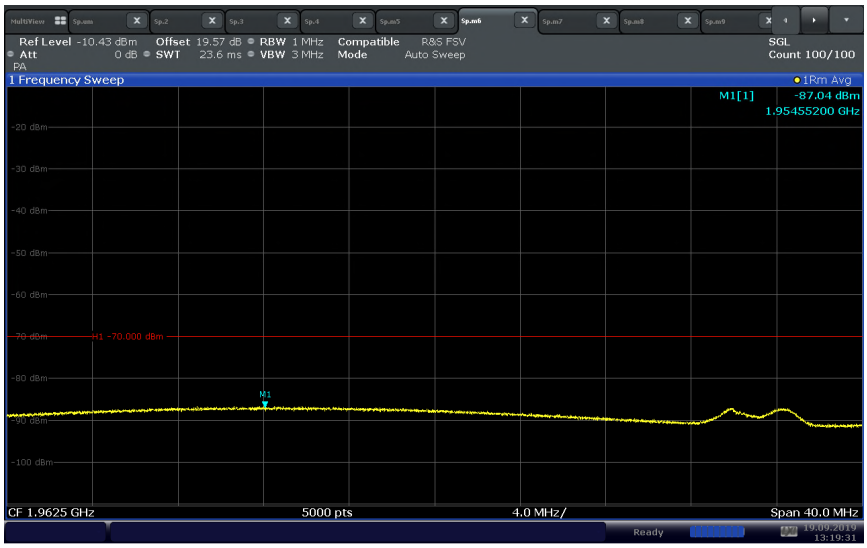
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port B (MCC/MNC: 310-260)
 12:47:53 19.09.2019

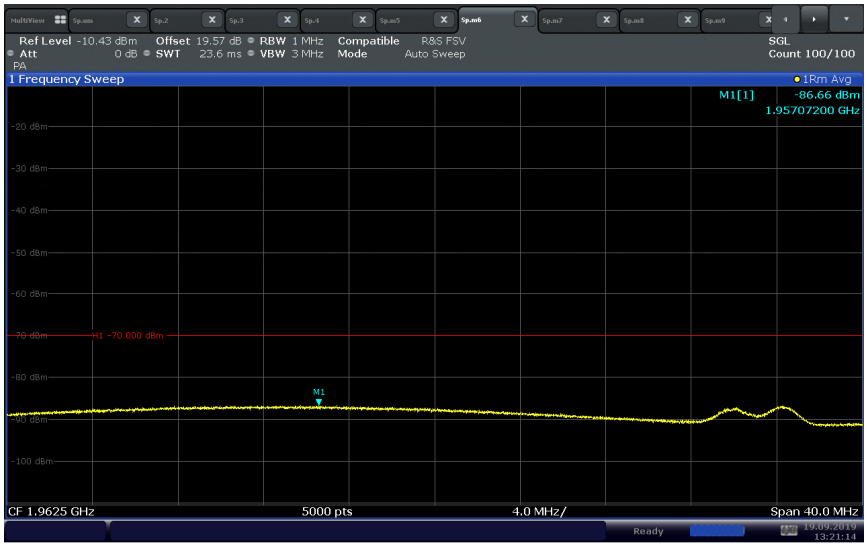
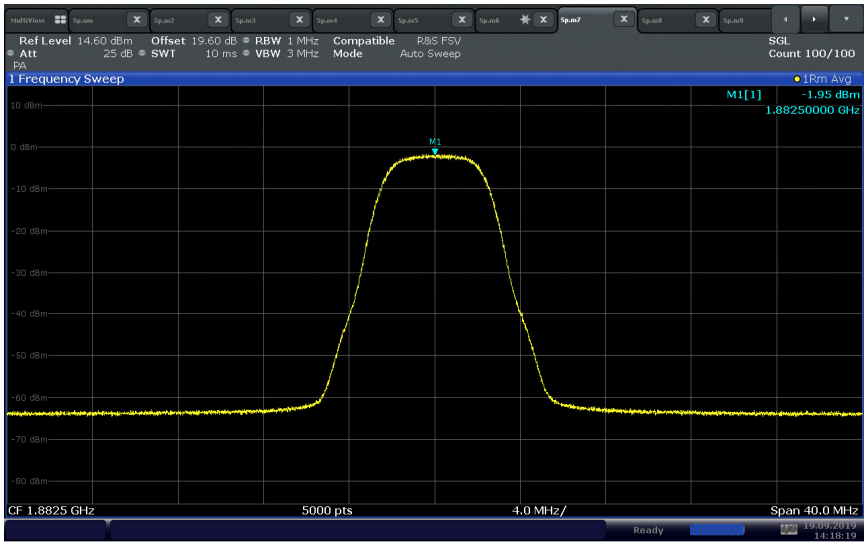
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port B (MCC/MNC: 310-123)
 12:49:18 19.09.2019

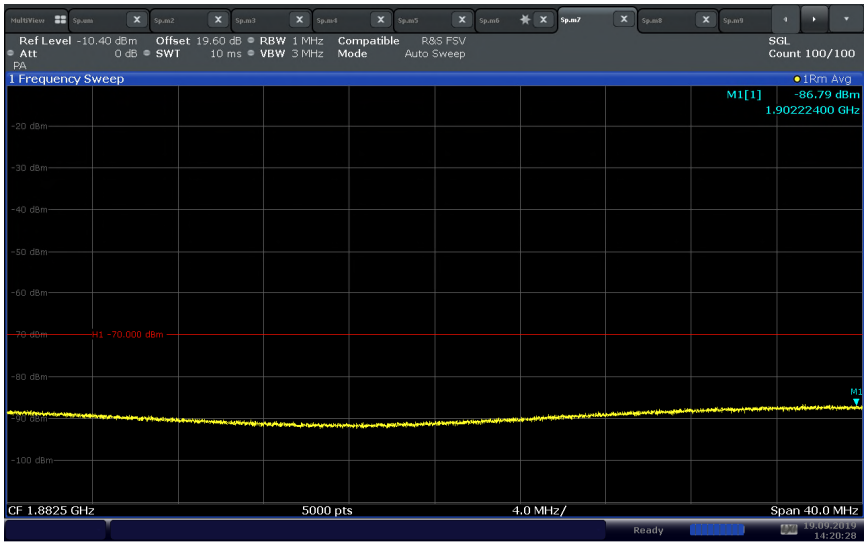
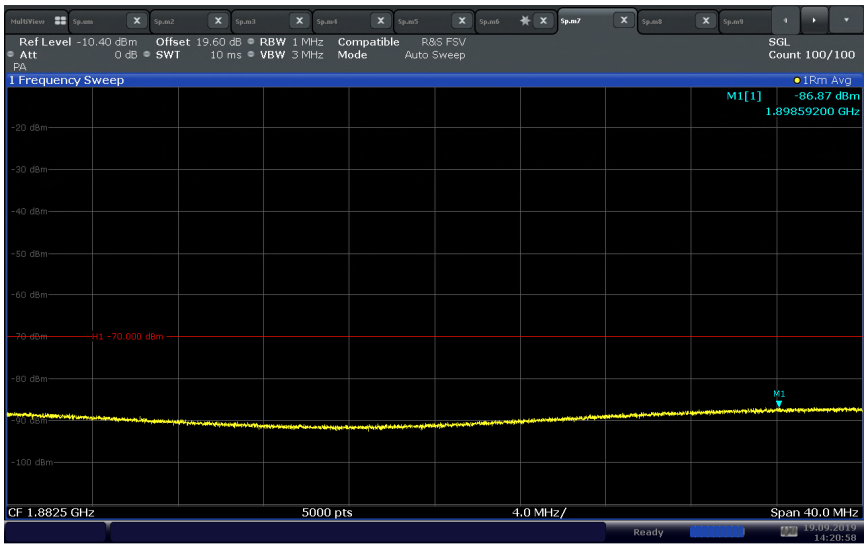
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port B (MCC/MNC: 310-321)
 12:49:59 19.09.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port B (MCC/MNC: 310-260)
 14:50:45 19.09.2019

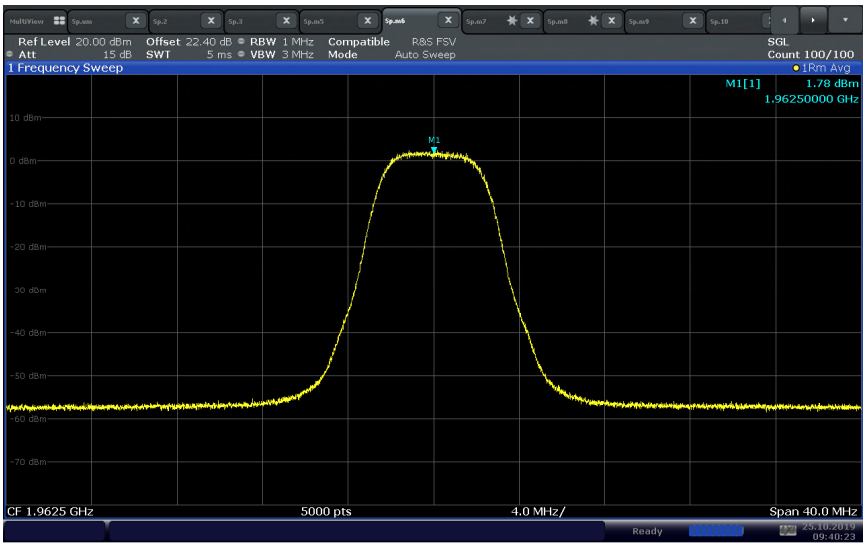
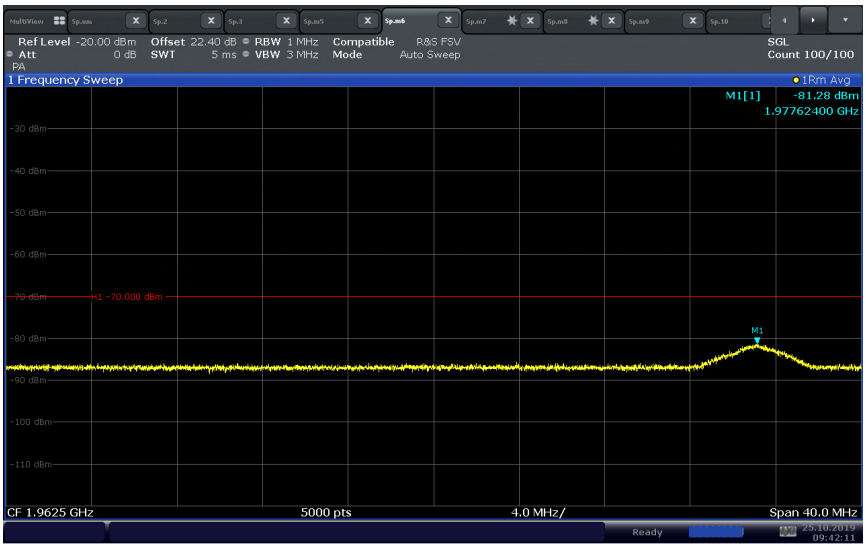
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port B (MCC/MNC: 310-123)
 **14:51:28 19.09.2019**
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port B (MCC/MNC: 310-321)
 **14:52:06 19.09.2019**

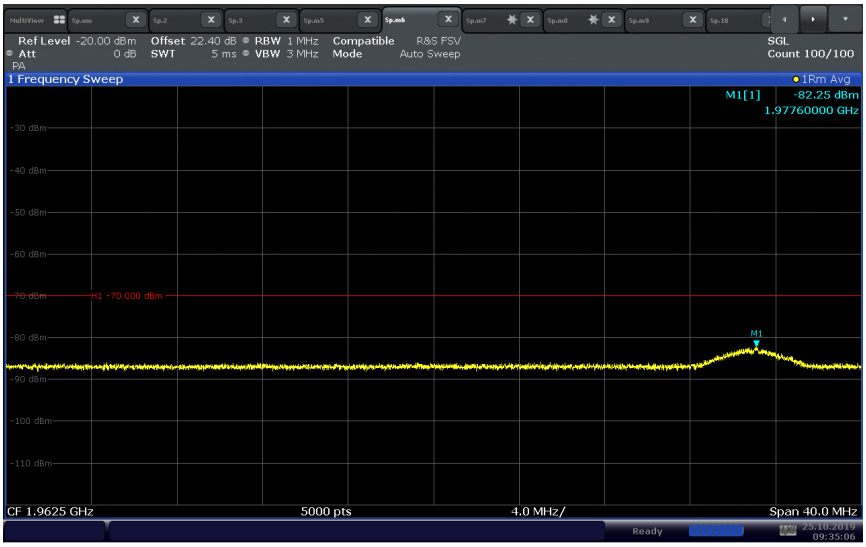
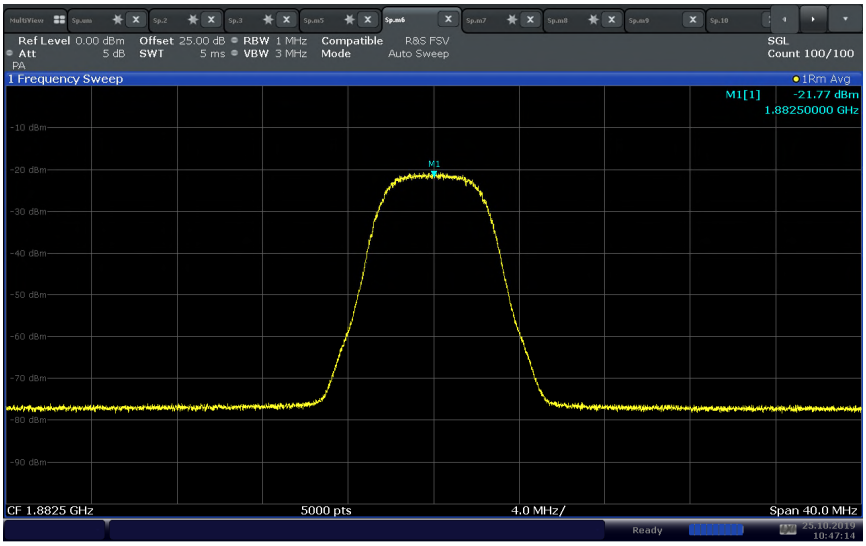
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port C (MCC/MNC: 311-480)
 13:16:18 19.09.2019

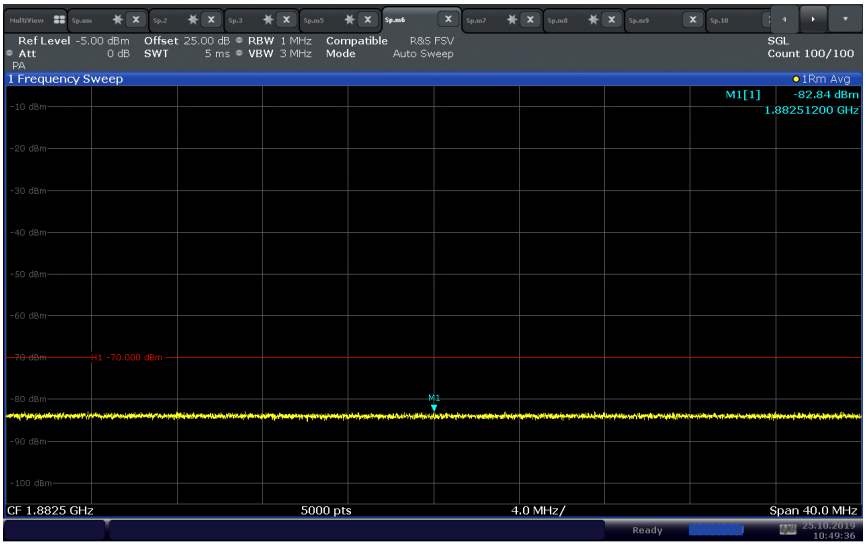
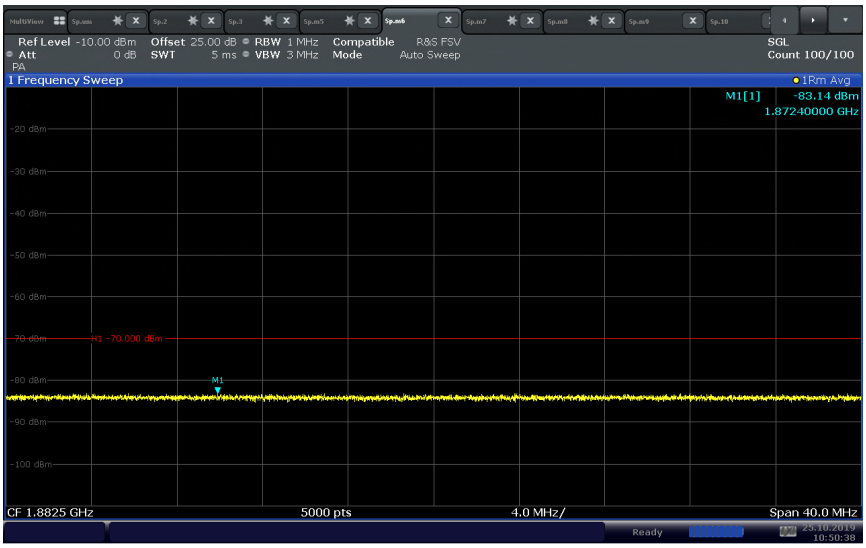
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port C (MCC/MNC: 311-123)
 13:19:32 19.09.2019

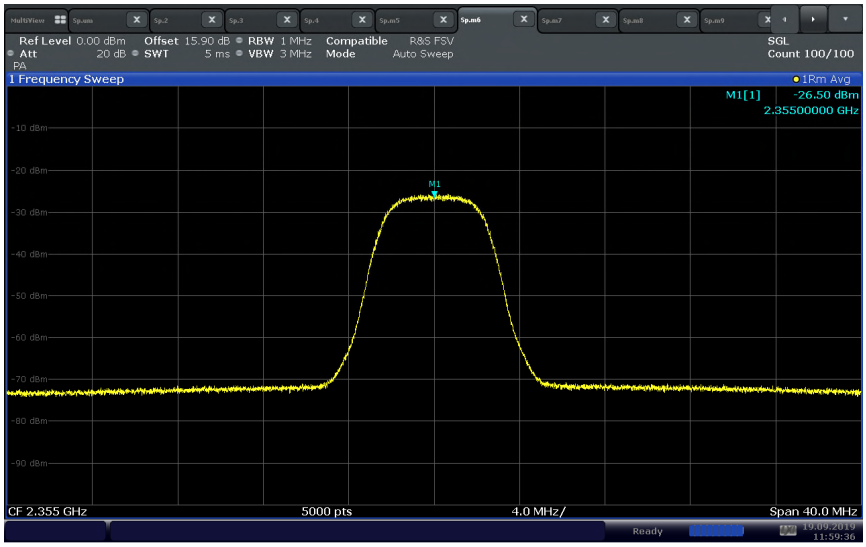
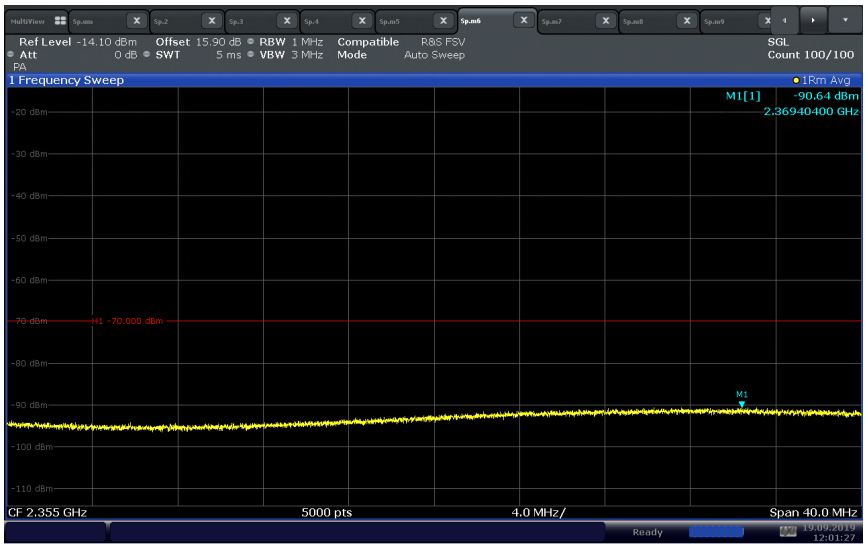
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port C (MCC/MNC: 311-321)
 13:21:15 19.09.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port C (MCC/MNC: 311-480)
 14:18:19 19.09.2019

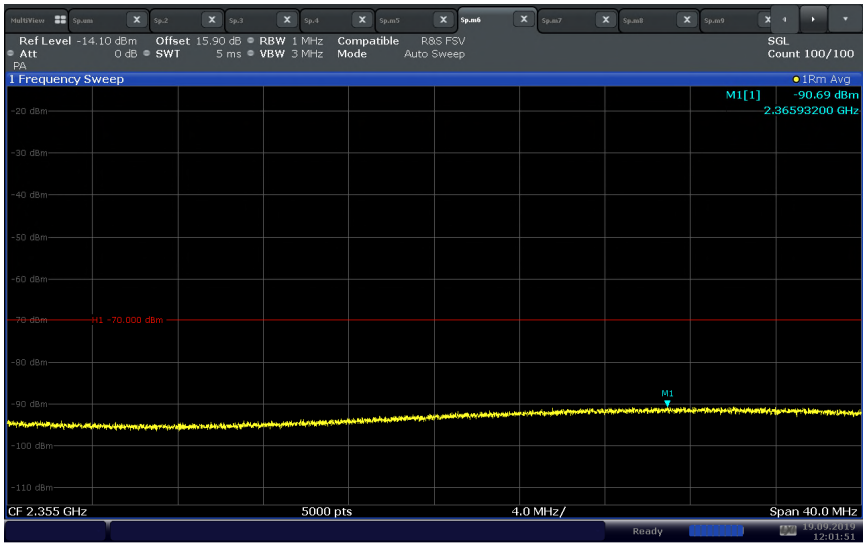
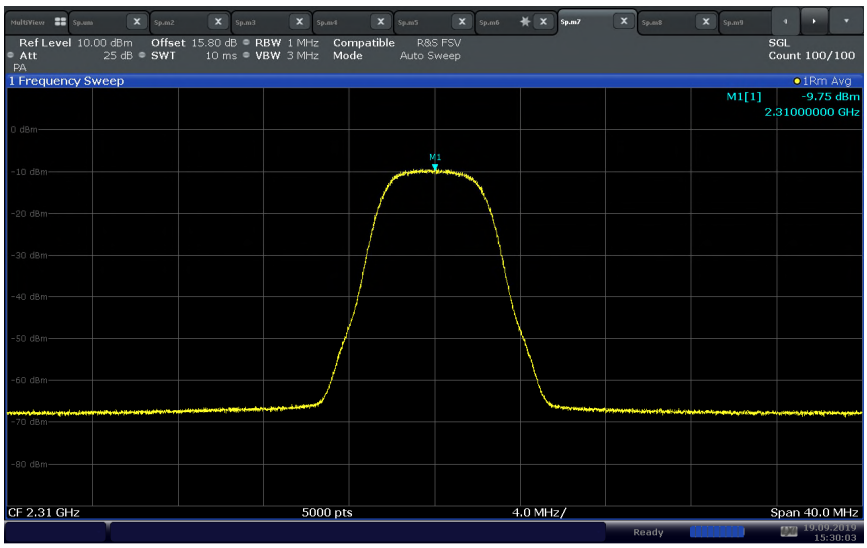
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port C (MCC/MNC: 311-123)
 14:20:29 19.09.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port C (MCC/MNC: 311-321)
 14:20:59 19.09.2019

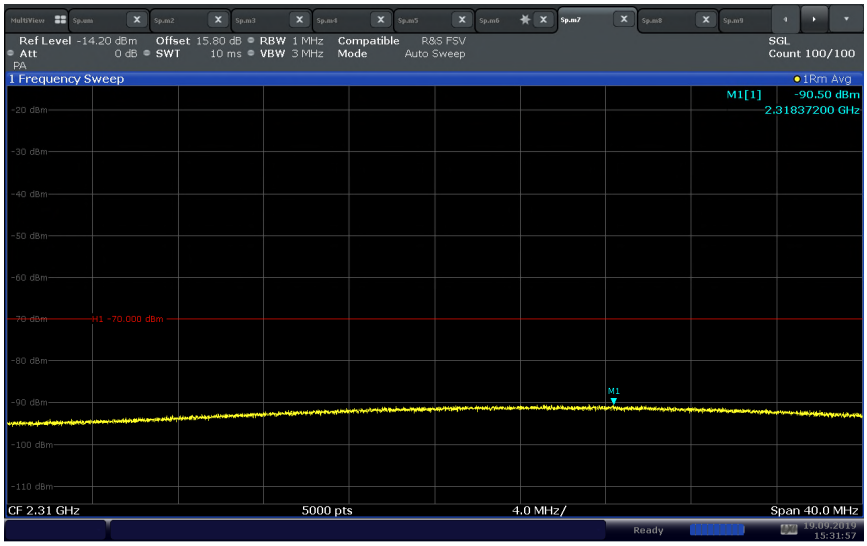
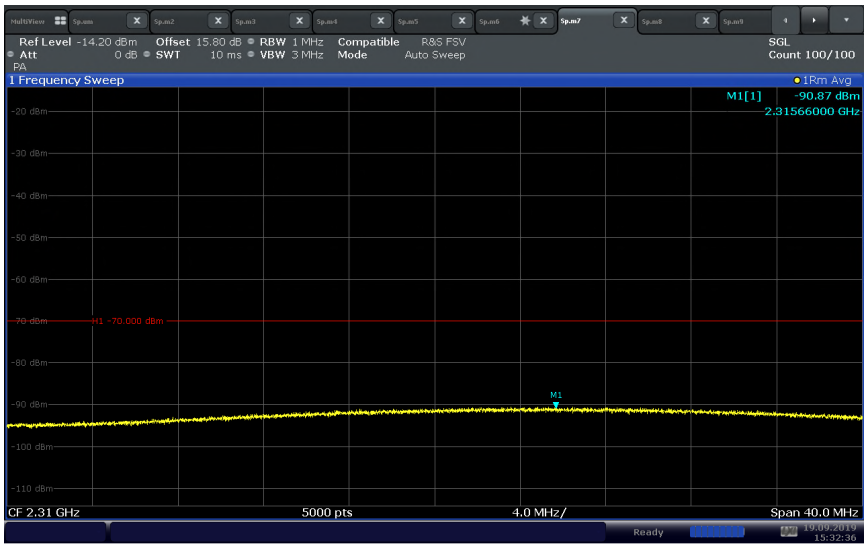
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port D (MCC/MNC: 311-490)
 09:40:23 25.10.2019
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port D (MCC/MNC: 311-123)
 09:42:11 25.10.2019

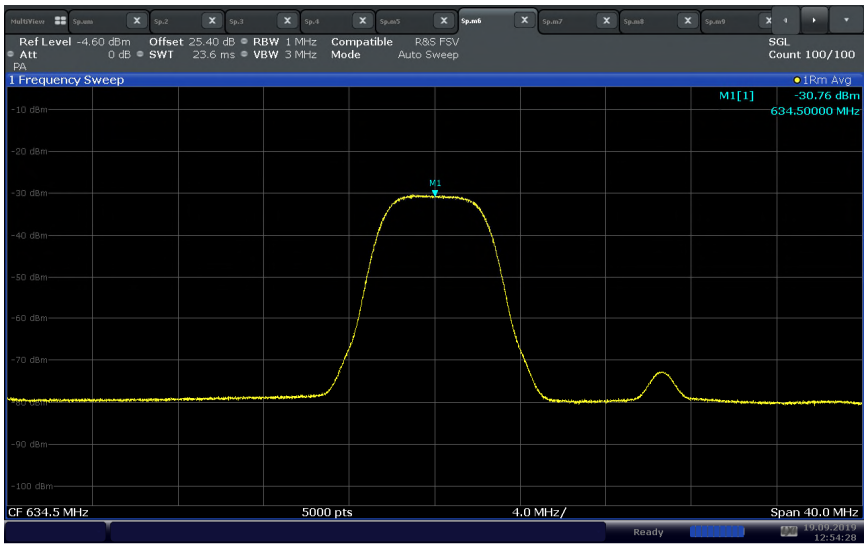
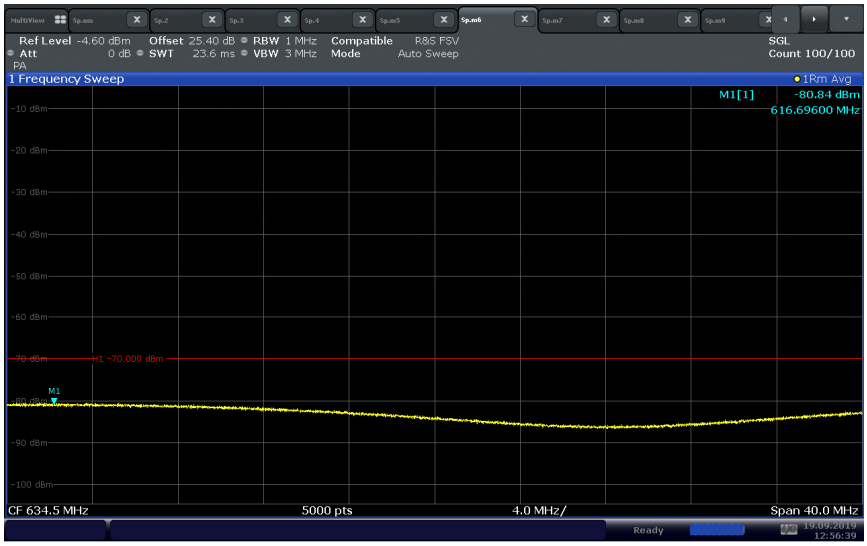
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) – CU with NU Port D (MCC/MNC: 311-321)
 09:35:07 25.10.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port D (MCC/MNC: 311-490)
 10:47:15 25.10.2019

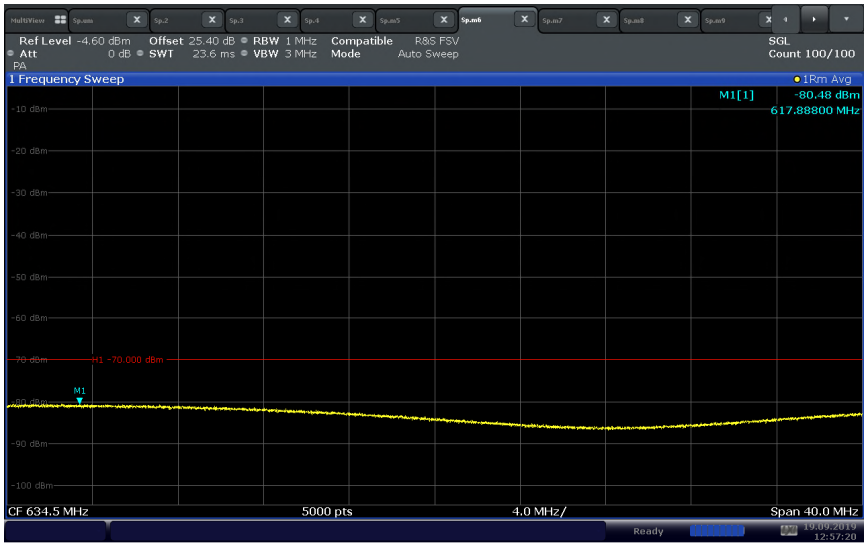
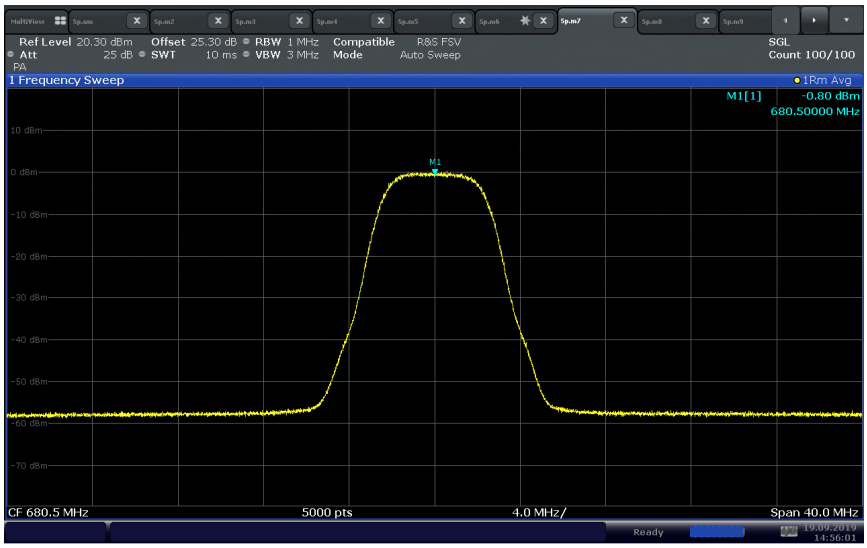
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port D (MCC/MNC: 311-123)
 10:49:36 25.10.2019
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) – NU Port D (MCC/MNC: 311-321)
 10:50:39 25.10.2019

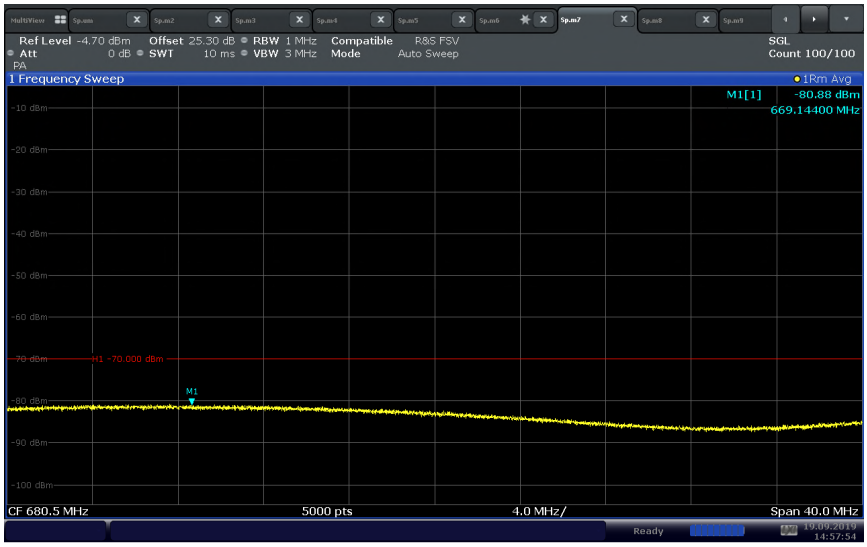
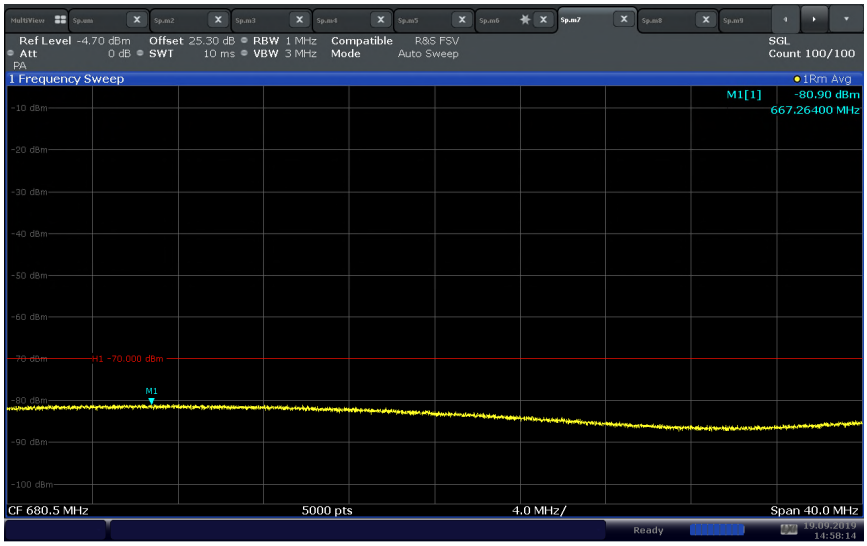
LTE Band 30 Downlink Authorized Frequency Range (2350 – 2360 MHz) – CU with NU Port A (MCC/MNC: 310-410)
 11:59:36 19.09.2019
LTE Band 30 Downlink Authorized Frequency Range (2350 – 2360 MHz) – CU with NU Port A (MCC/MNC: 310-123)
 12:01:28 19.09.2019

LTE Band 30 Downlink Authorized Frequency Range (2350 – 2360 MHz) – CU with NU Port A (MCC/MNC: 310-321)
 12:01:51 19.09.2019
LTE Band 30 Uplink Authorized Frequency Range (2305 – 2315 MHz) – NU Port A (MCC/MNC: 310-410) (Gain 58)
 15:30:04 19.09.2019

LTE Band 30 Uplink Authorized Frequency Range (2305 – 2315 MHz) – NU Port A (MCC/MNC: 310-123)
 15:31:57 19.09.2019
LTE Band 30 Uplink Authorized Frequency Range (2305 – 2315 MHz) – NU Port A (MCC/MNC: 310-321)
 15:32:36 19.09.2019

LTE Band 71 Downlink Authorized Frequency Range (617 – 652 MHz) – CU with NU Port B (MCC/MNC: 310-260)
 12:54:28 19.09.2019
LTE Band 71 Downlink Authorized Frequency Range (617 – 652 MHz) – CU with NU Port B (MCC/MNC: 310-123)
 12:56:40 19.09.2019

LTE Band 71 Downlink Authorized Frequency Range (617 – 652 MHz) – CU with NU Port B (MCC/MNC: 310-321)
 12:57:20 19.09.2019
LTE Band 71 Uplink Authorized Frequency Range (663 – 698 MHz) – NU Port B (MCC/MNC: 310-456)
 14:56:02 19.09.2019

LTE Band 71 Uplink Authorized Frequency Range (663 – 698 MHz) – NU Port B (MCC/MNC: 310-123)
 14:57:55 19.09.2019
LTE Band 71 Uplink Authorized Frequency Range (663 – 698 MHz) – NU Port B (MCC/MNC: 310-321)
 14:58:15 19.09.2019

2.3 MAXIMUM POWER MEASUREMENT AND BOOSTER GAIN COMPUTATION

2.3.1 Specification Reference

FCC 47 CFR Part 20, Clause 20.21(e)(9)(i)(D)
FCC 47 CFR Part 20, Clause 20.21(e)(9)(i)(B)
FCC 47 CFR Part 20, Clause 20.21(e)(9)(i)(C)(2)
KDB935210 D04, Clause 7.2
KDB935210 D04, Clause 7.3

2.3.2 Standard Applicable

FCC 47 CFR Part 20, Clause 20.21(e)(9)(i)(D) Power Limits:
A booster's uplink power must not exceed 1 watt composite conducted power and equivalent isotropic radiated power (EIRP) for each band of operation. Downlink power shall not exceed 0.05 watt (17dBm) composite and 10 dBm per channel conducted and EIRP for each band of operation. Compliance with power limits will use instrumentation calibrated in terms of RMS equivalent voltage.

FCC 47 CFR Part 20, Clause 20.21(e)(9)(i)(B) Bidirectional Capability:
Consumer Boosters must be able to provide equivalent (within 9dB as per ANSI ASC C63) uplink and downlink gain and conducted uplink power output that is at least 0.05 watts. One-way consumer boosters (i.e., uplink only, downlink only, uplink impaired, downlink impaired) are prohibited. Spectrum block filtering used must provide uplink filter attenuation not less than the downlink filter attenuation, and where RSSI is measured after spectrum block filtering is applied referenced to the booster's input port for each band of operation.

FCC 47 CFR Part 20, Clause 20.21(e)(9)(i)(C) Booster Gain Limits.
The gain of the frequency selective consumer booster shall meet the limits below.
(2) The uplink and downlink maximum gain of a frequency selective consumer booster referenced to its input and output ports shall not exceed 19.5 dB + 20 Log (Frequency), or 100 dB for systems having automatic gain adjustment based on isolation measurements between booster donor and server antennas.
Where, Frequency is the uplink midband frequency of the supported spectrum bands in MHz.

2.3.3 Equipment Under Test and Modification State

Serial No: 370920000139 (NU) and 371929000156 (CU) / Test Configuration A and B

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

September 04, 05 and October 16, 2019/XYZ

2.3.5 Test Equipment Used

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

2.3.6 Environmental Conditions

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

Ambient Temperature	26.0 - 26.3°C
Relative Humidity	45.6 - 46.1%
ATM Pressure	98.6 - 98.9kPa

2.3.7 Additional Observations

- This is conducted Test. Test procedure is per Section 7.2.2 of KDB935210 (D04 Provider Specific Booster Measurements v02r03). Appropriate offset (line losses) applied.
- The EUT operated in Test Mode, with the gain set to the maximum gain and a minimum bandwidth setting (5MHz).
- Setup the EUT according to Figure 2 or 3 of Section 6.3.3 of KDB935210 as appropriate.
- Maximum Gain of the booster was calculated.
- The Gain with Maximum Transmitter Input Level (-20dBm for Downlink and 0dBm for Uplink) injected was also calculated.
- Operational uplink and downlink bands for WCDMA Band 5 and LTE Band 4, 5, 12, 13, 25, 30, 71 were tested.
- Evaluations are conducted at CU and NU antenna ports. The signal generator was set to transmit a 5MHz WCDMA or LTE signal.

2.3.8 Test Results

Maximum Gain/Maximum Power										
Band	**Frequency Range (MHz)**	**Input Power (dBm)**	**Output Power (dBm)**	**Antenna System Gain (dB)**	**EIRP (dBm)**	**EIRP Limit (dBm)**	**Gain (dB)**	**Gain Limit (dB)**	**UL vs DL Gain**	**UL vs DL Gain Limit (dB)**
WCDMA Band 5 Downlink (Port A)	869 - 894	-82.90	11.11	0.4	11.51	<17	94.01	100	0.71	9.0
WCDMA Band 5 Uplink (Port A)	824 - 849	-73.60	21.12	6.07	27.19	17-30	94.72	100		
LTE Band 4 Downlink (Port A)	2110 - 2155	-87.70	10.33	2.6	12.93	<17	98.03	100	2.39	9.0
LTE Band 4 Uplink (Port A)	1710 - 1755	-73.30	22.34	5.35	27.69	17-30	95.64	100		
LTE Band 4 Downlink (Port B)	2110 - 2155	-87.70	10.09	2.6	12.69	<17	97.79	100	2.53	9.0
LTE Band 4 Uplink (Port B)	1710 - 1755	-73.30	21.96	5.72	27.68	17-30	95.26	100		
LTE Band 4 Downlink (Port C)	2110 - 2155	-87.70	9.87	2.6	12.47	<17	97.57	100	1.97	9.0
LTE Band 4 Uplink (Port C)	1710 - 1755	-73.30	22.30	5.72	28.02	17-30	95.60	100		
LTE Band 5 Downlink (Port D)	869 - 894	-82.8	10.87	0.4	11.27	<17	93.67	100	0.18	9.0
LTE Band 5 Uplink (Port D)	824 - 849	-72.7	20.79	7.55	28.34	17-30	93.49	100		

Maximum Gain/Maximum Power										
Band	**Frequency Range (MHz)**	**Input Power (dBm)**	**Output Power (dBm)**	**Antenna System Gain (dB)**	**EIRP (dBm)**	**EIRP Limit (dBm)**	**Gain (dB)**	**Gain Limit (dB)**	**UL vs DL Gain**	**UL vs DL Gain Limit (dB)**
LTE Band 12 Downlink (Port A)	729 - 746	-83.40	11.04	0.4	11.44	<17	94.44	100	0.01	9.0
LTE Band 12 Uplink (Port A)	699 - 716	-71.0	23.43	6.45	29.88	17-30	94.43	100		
LTE Band 12 Downlink (Port B)	729 - 746	-83.40	10.99	0.4	11.39	<17	94.39	100	0.32	9.0
LTE Band 12 Uplink (Port B)	699 - 716	-71.0	23.07	6.77	29.84	17-30	94.07	100		
LTE Band 13 Downlink (Port C)	746 - 756	-82.90	11.01	0.4	11.41	<17	93.91	100	0.6	9.0
LTE Band 13 Uplink (Port C)	777 - 787	-71.20	23.31	6.48	29.79	17-30	94.51	100		
LTE Band 25 Downlink (Port A)	1930 - 1995	-86.90	11.42	2.6	14.02	<17	98.32	100	1.86	9.0
LTE Band 25 Uplink(Port A)	1850 - 1915	-74.90	21.56	4.99	26.55	17-30	96.46	100		
LTE Band 25 Downlink (Port B)	1930 - 1995	-86.90	11.03	2.6	13.63	<17	97.93	100	1.57	9.0
LTE Band 25 Uplink(Port B)	1850 - 1915	-74.90	21.46	5.37	26.83	17-30	96.36	100		
LTE Band 25 Downlink (Port C)	1930 - 1995	-86.90	10.81	2.6	13.41	<17	97.71	100	1.44	9.0
LTE Band 25 Uplink (Port C)	1850 - 1915	-74.90	21.37	5.37	26.74	17-30	96.27	100		
LTE Band 25 Downlink (Port D)	1930 - 1995	-86.4	11.14	2.6	13.74	<17	97.54	100	0.34	9.0
LTE Band 25 Uplink (Port D)	1850 - 1915	-76.7	21.18	7.26	28.44	17-30	97.88	100		
LTE Band 30 Downlink (Port A)	2350 - 2360	-86.90	10.82	2.3	13.12	<17	97.72	100	0.91	9.0
LTE Band 30 Uplink (Port A)	2305 - 2315	-77.50	19.31	3.91	23.22	17-30	96.81	100		
LTE Band 71 Downlink (Port B)	617 - 652	-87.70	10.80	0.4	11.2	<17	98.5	100	0.13	9.0
LTE Band 71 Uplink (Port B)	663 - 698	-75.60	23.03	6.91	29.94	17-30	98.63	100		

Maximum Gain/Maximum Power with Maximum Transmitter Input Level								
Band	**Frequency Range (MHz)**	**Input Power (dBm)**	**Output Power (dBm)**	**Antenna System Gain (dB)**	**EIRP (dBm)**	**EIRP Limit (dBm)**	**Gain (dB)**	**Gain Limit (dB)**
WCDMA Band 5 Downlink (Port A)	869 - 894	-20	11.14	0.4	11.54	<17	31.14	100
WCDMA Band 5 Uplink (Port A)	824 - 849	0	21.23	6.07	27.3	17-30	21.23	100
LTE Band 4 Downlink (Port A)	2110 - 2155	-20	11.04	2.6	13.64	<17	31.04	100
LTE Band 4 Uplink (Port A)	1710 - 1755	0	22.67	5.35	28.02	17-30	22.67	100
LTE Band 4 Downlink (Port B)	2110 - 2155	-20	11.0	2.6	13.6	<17	31.0	100
LTE Band 4 Uplink (Port B)	1710 - 1755	0	22.05	5.72	27.77	17-30	22.05	100
LTE Band 4 Downlink (Port C)	2110 - 2155	-20	10.98	2.6	13.58	<17	30.98	100
LTE Band 4 Uplink (Port C)	1710 - 1755	0	22.10	5.72	27.82	17-30	22.10	100
LTE Band 5 Downlink (Port D)	869 - 894	-20	10.78	0.4	11.18	<17	30.78	100
LTE Band 5 Uplink (Port D)	824 - 849	0	20.82	7.55	28.37	17-30	20.82	100
LTE Band 12 Downlink (Port A)	729 - 746	-20	11.13	0.4	11.53	<17	31.13	100
LTE Band 12 Uplink (Port A)	699 - 716	0	23.52	6.45	29.97	17-30	23.52	100
LTE Band 12 Downlink (Port B)	729 - 746	-20	11.10	0.4	11.5	<17	31.10	100
LTE Band 12 Uplink (Port B)	699 - 716	0	22.97	6.77	29.74	17-30	22.97	100
LTE Band 13 Downlink (Port C)	746 - 756	-20	11.15	0.4	11.55	<17	31.15	100
LTE Band 13 Uplink (Port C)	777 - 787	0	23.46	6.48	29.94	17-30	23.46	100
LTE Band 25 Downlink (Port A)	1930 - 1995	-20	11.61	2.6	14.21	<17	31.61	100
LTE Band 25 Uplink (Port A)	1850 - 1915	0	21.61	4.99	26.6	17-30	21.61	100
LTE Band 25 Downlink (Port B)	1930 - 1995	-20	11.15	2.6	13.75	<17	31.15	100
LTE Band 25 Uplink (Port B)	1850 - 1915	0	21.58	5.37	26.95	17-30	21.58	100
LTE Band 25 Downlink (Port C)	1930 - 1995	-20	10.96	2.6	13.56	<17	30.96	100
LTE Band 25 Uplink (Port C)	1850 - 1915	0	21.04	5.37	26.41	17-30	21.04	100
LTE Band 25 Downlink (Port D)	1930 - 1995	-20	11.02	2.6	13.62	<17	31.02	100
LTE Band 25 Uplink (Port D)	1850 - 1915	0	21.36	7.26	28.62	17-30	21.36	100

Maximum Gain/Maximum Power with Maximum Transmitter Input Level								
Band	**Frequency Range (MHz)**	**Input Power (dBm)**	**Output Power (dBm)**	**Antenna System Gain (dB)**	**EIRP (dBm)**	**EIRP Limit (dBm)**	**Gain (dB)**	**Gain Limit (dB)**
LTE Band 30 Downlink (Port A)	2350 - 2360	-20	10.87	2.3	13.17	<17	30.87	100
LTE Band 30 Uplink (Port A)	2305 - 2315	0	19.48	3.91	23.39	17-30	19.48	100
LTE Band 71 Downlink (Port B)	617 - 652	-20	10.84	0.4	11.24	<17	30.84	100
LTE Band 71 Uplink (Port B)	663 - 698	0	23.18	6.91	30.09	17-30	23.18	100

2.4 INTERMODULATION PRODUCT

2.4.1 Specification Reference

FCC 47 CFR Part 20. Clause 20.21(e)(9)(i)(G)
KDB935210 D04, Clause 7.4

2.4.2 Standard Applicable

FCC 47 CFR Part 20. Clause 20.21(e)(9)(i)(G) Intermodulation Limits:
The transmitted intermodulation products of a consumer booster at its uplink and downlink ports shall not exceed the power level of -19 dBm for the supported bands of operation. Compliance with intermodulation limits will use boosters operating at maximum gain and maximum rated output power, with two continuous wave (CW) input signals spaced 600 kHz apart and centered in the pass band of the booster, and with a 3 kHz measurement bandwidth.

2.4.3 Equipment Under Test and Modification State

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

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

September 09 and October 17, 2019/XYZ

2.4.5 Test Equipment Used

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

2.4.6 Environmental Conditions

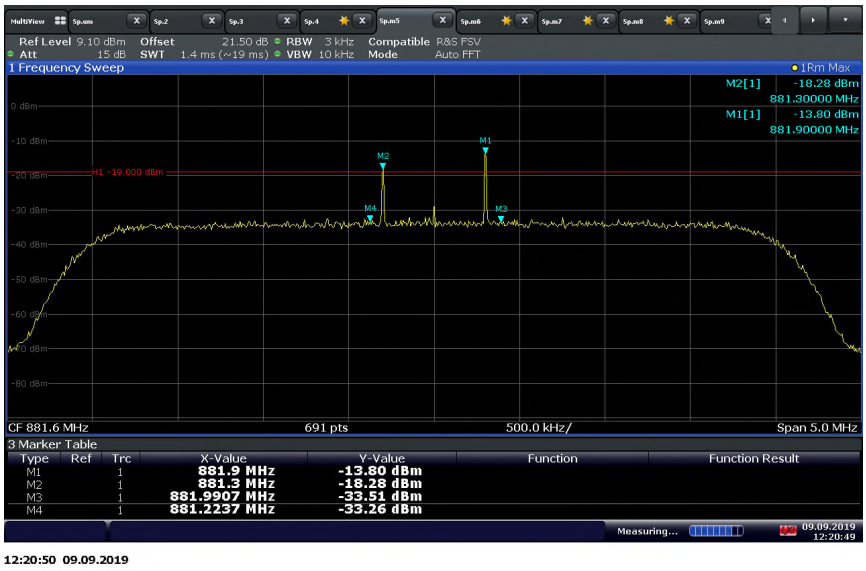
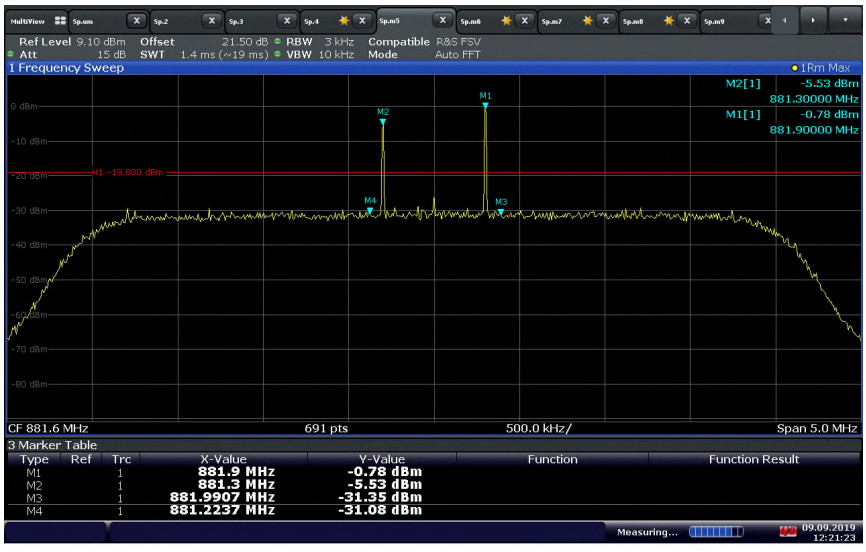
Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

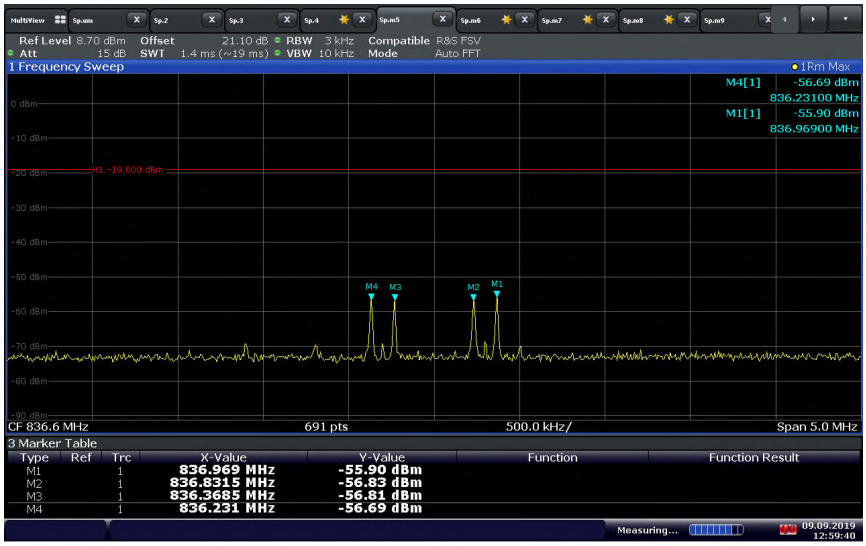
Ambient Temperature	25.7 - 26.0°C
Relative Humidity	48.3 - 49.9%
ATM Pressure	98.5 - 98.7kPa

2.4.7 Additional Observations

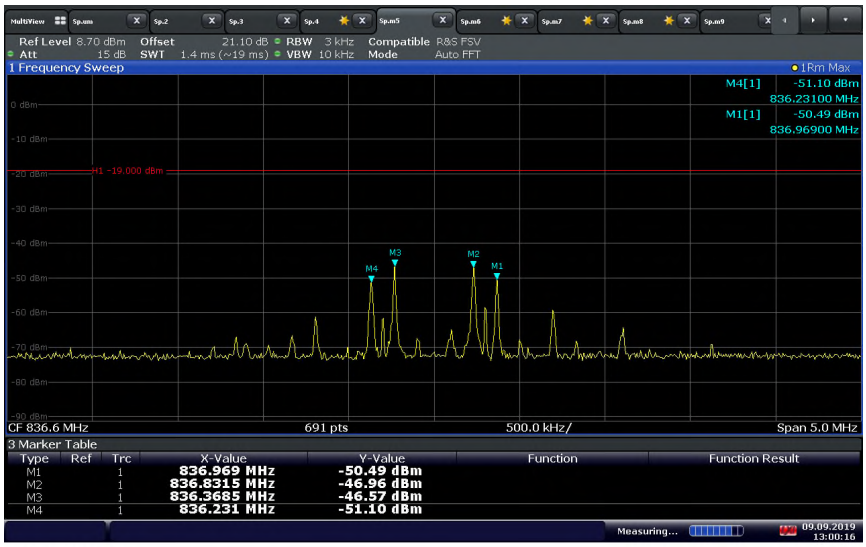
- This is conducted Test. Test procedure is per Section 7.4 of KDB935210 (D04 Provider Specific Booster Measurements v02r03). Appropriate offset (line losses) applied.
- The EUT operated in Test Mode with the gain set to the maximum gain and a minimum bandwidth setting (5MHz).
- Setup the EUT according to Figure 5 of Section 7.4 of KDB935210.
- Evaluations are conducted at CU and NU antenna ports.
- Operational uplink and downlink bands for WCDMA Band 5 and LTE Band 4, 5, 12, 13, 25, 30, 71 were tested.

2.4.8 Test Results

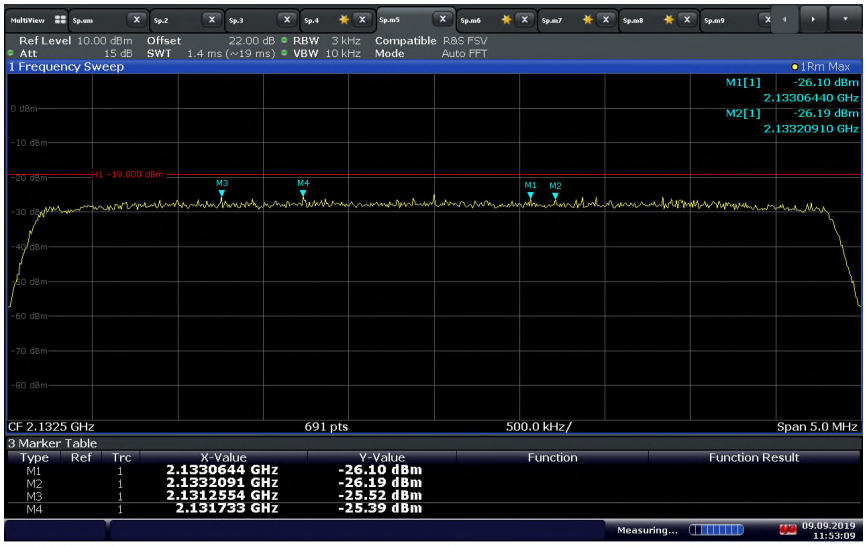
WCDMA Band 5 Downlink (-82.9 dBm)
 Note: The spurious above the limit are the injected CW signals, not inter-modulation products.
WCDMA Band 5 Downlink (-72.9 dBm)
 Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

WCDMA Band 5 Uplink (-73.6 dBm)


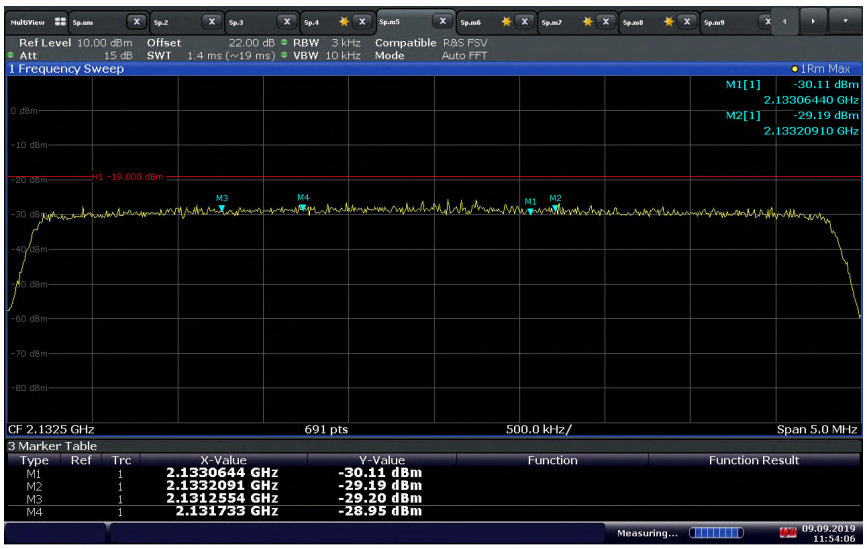
12:59:41 09.09.2019

WCDMA Band 5 Uplink (-63.6 dBm)


13:00:16 09.09.2019

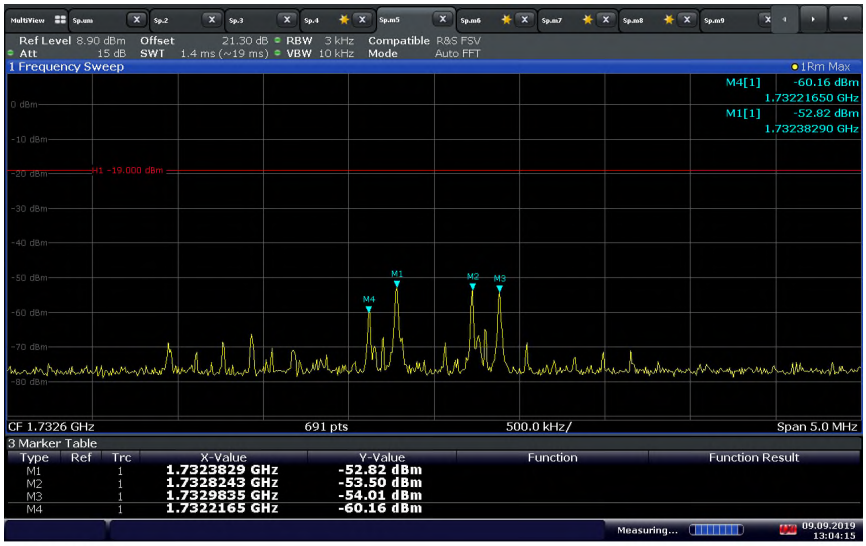
LTE Band 4 Downlink (-87.7dBm)


11:53:09 09.09.2019

LTE Band 4 Downlink (-77.7dBm)


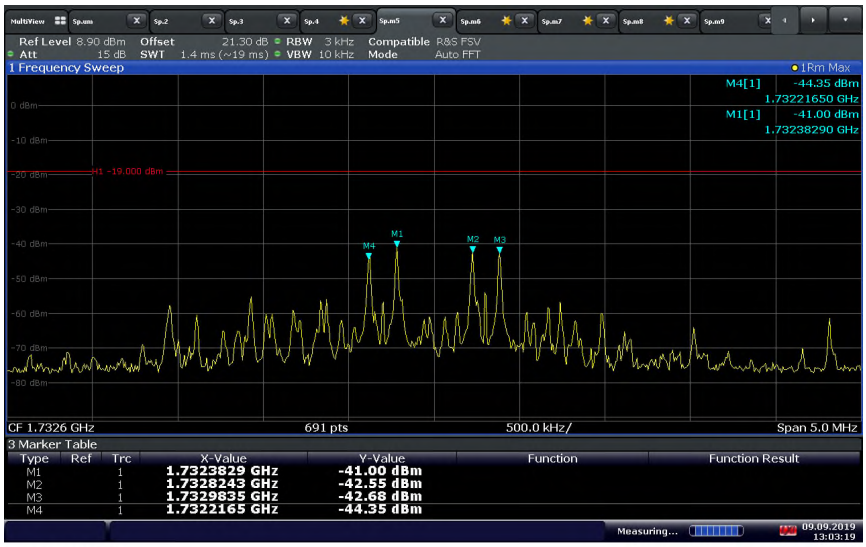
11:54:06 09.09.2019

LTE Band 4 Uplink (-73.3 dBm)

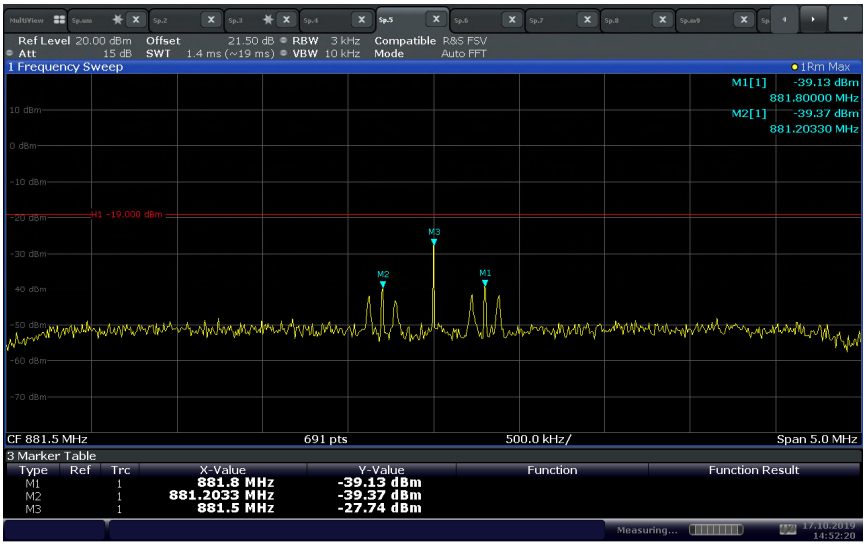


13:04:16 09.09.2019

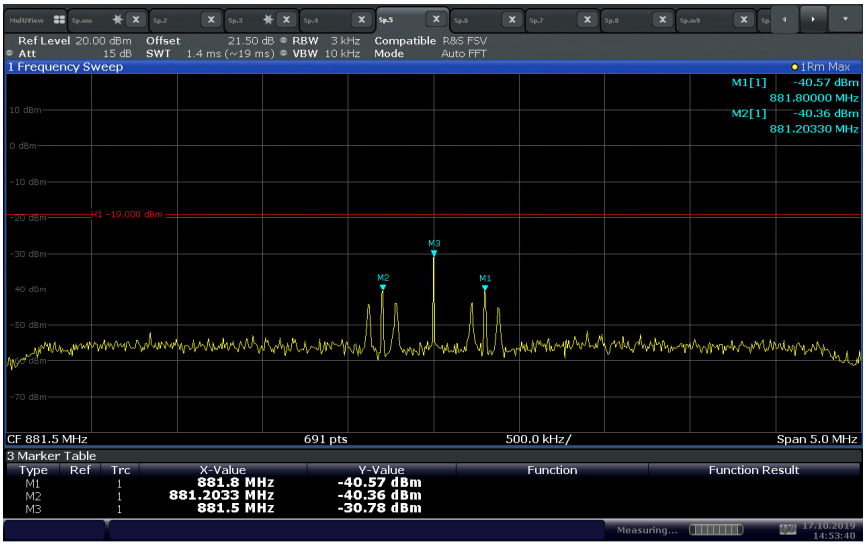
LTE Band 4 Uplink (-63.3 dBm)



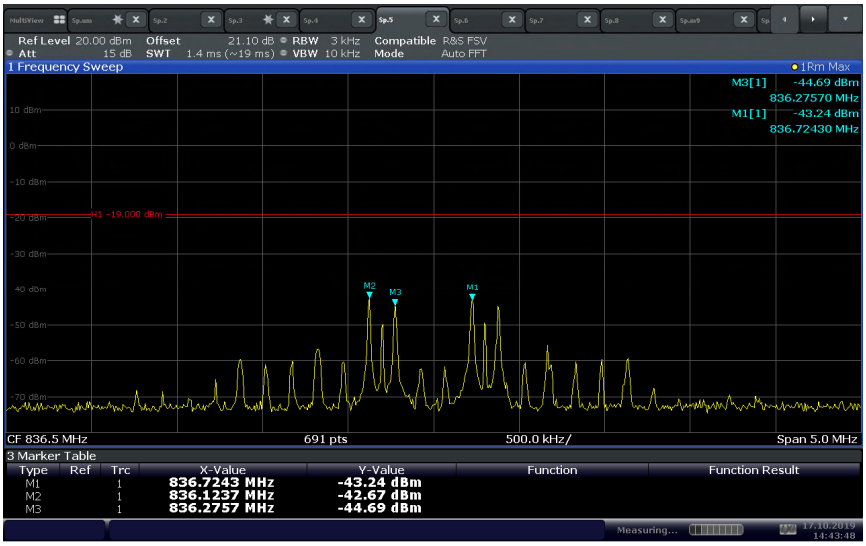
13:03:19 09.09.2019

LTE Band 5 Downlink (-82.8 dBm)


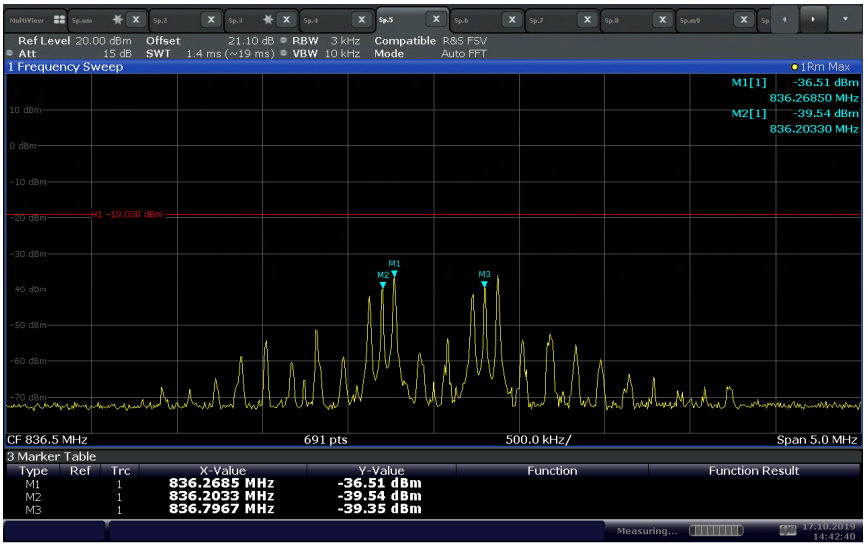
14:52:22 17.10.2019

LTE Band 5 Downlink (-72.8 dBm)


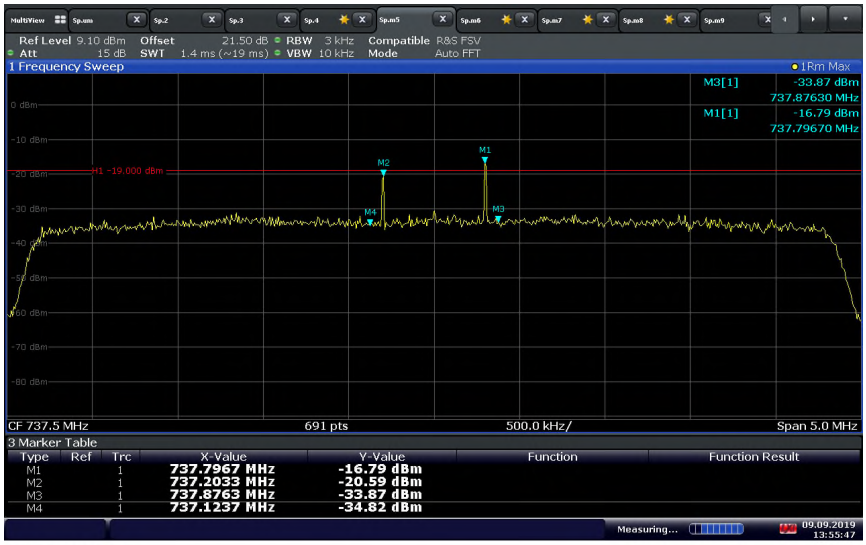
14:53:40 17.10.2019

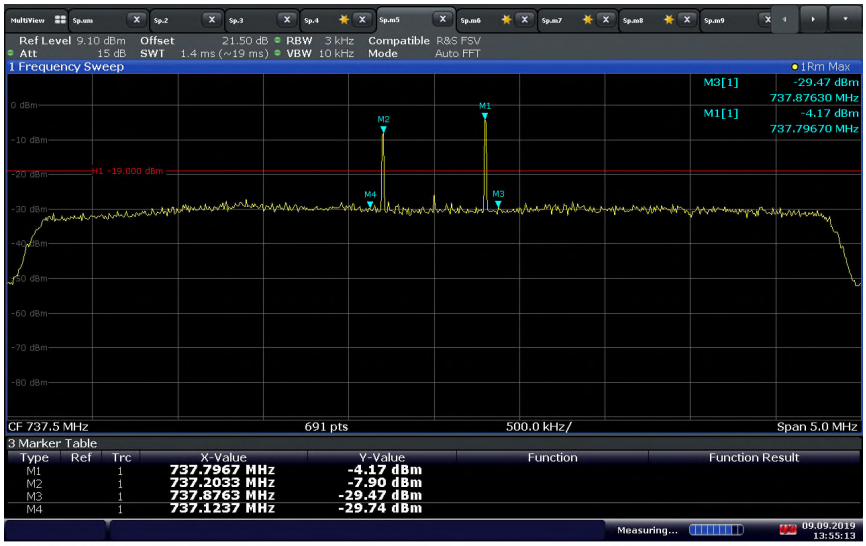
LTE Band 5 Uplink (-72.7 dBm)


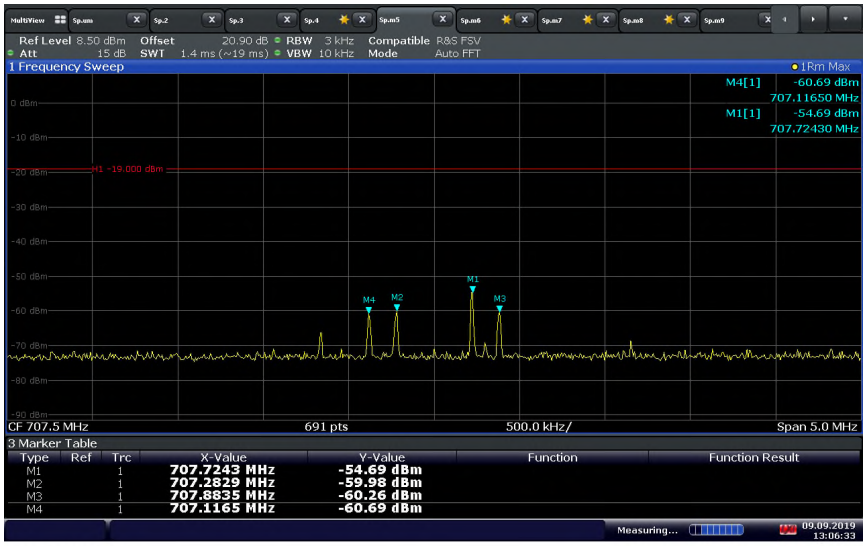
14:43:50 17.10.2019

LTE Band 5 Uplink (-62.7 dBm)


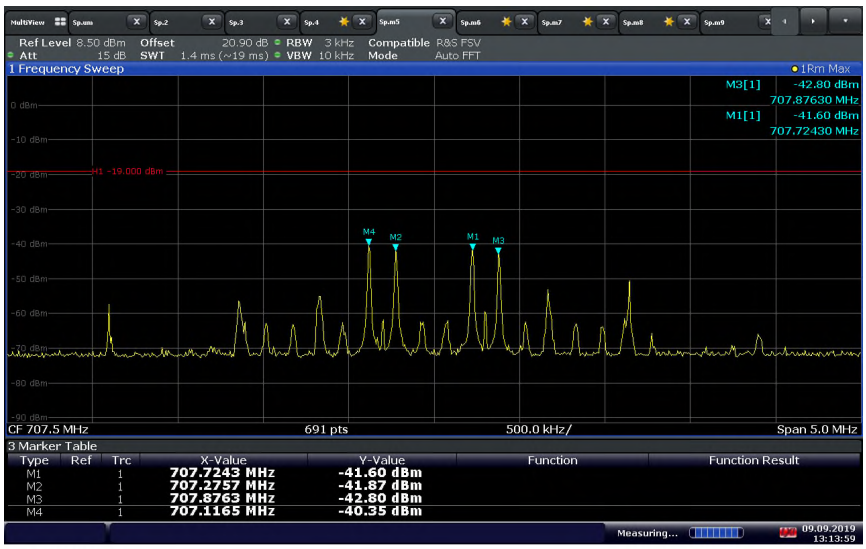
14:42:41 17.10.2019

LTE Band 12 Downlink (-83.4 dBm)

Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

LTE Band 12 Downlink (-73.4 dBm)

Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

LTE Band 12 Uplink (-71.0 dBm)


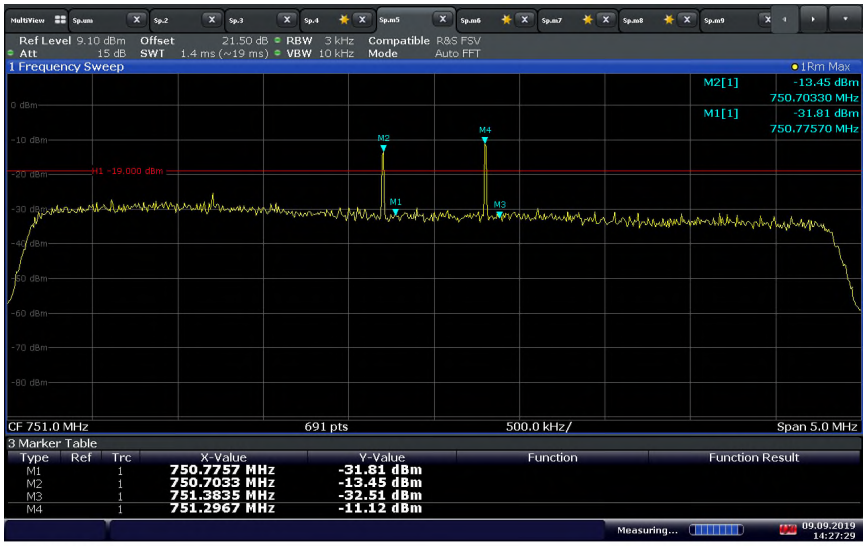
13:06:34 09.09.2019

LTE Band 12 Uplink (-61.0 dBm)


13:13:59 09.09.2019

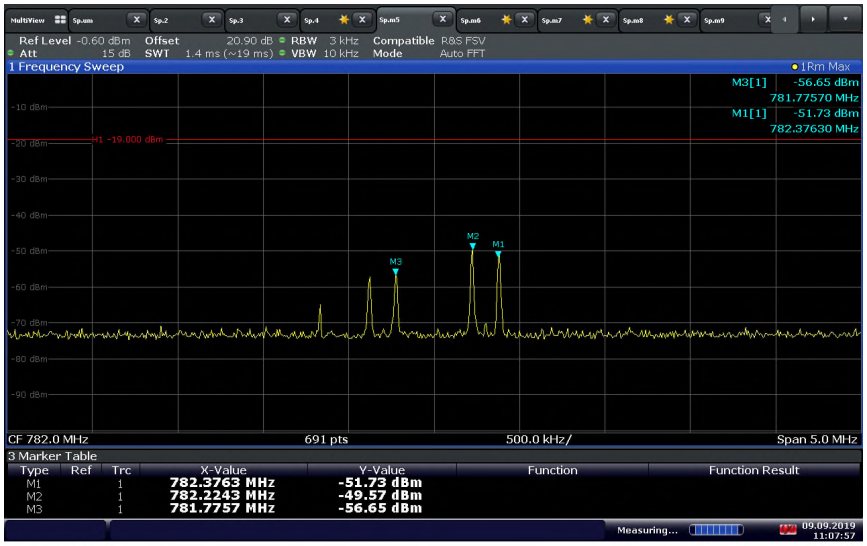
LTE Band 13 Downlink (-86.9dBm)


14:29:45 09.09.2019

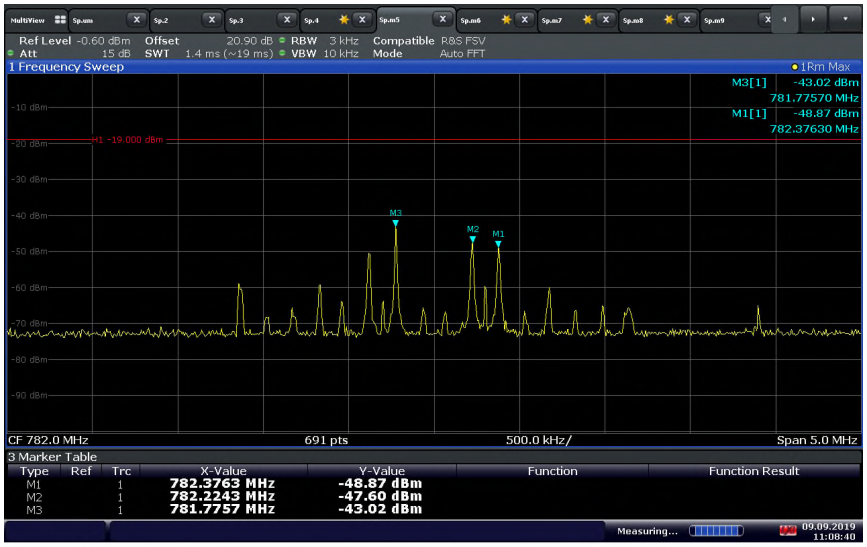
LTE Band 13 Downlink (-76.9dBm)


14:27:30 09.09.2019

Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

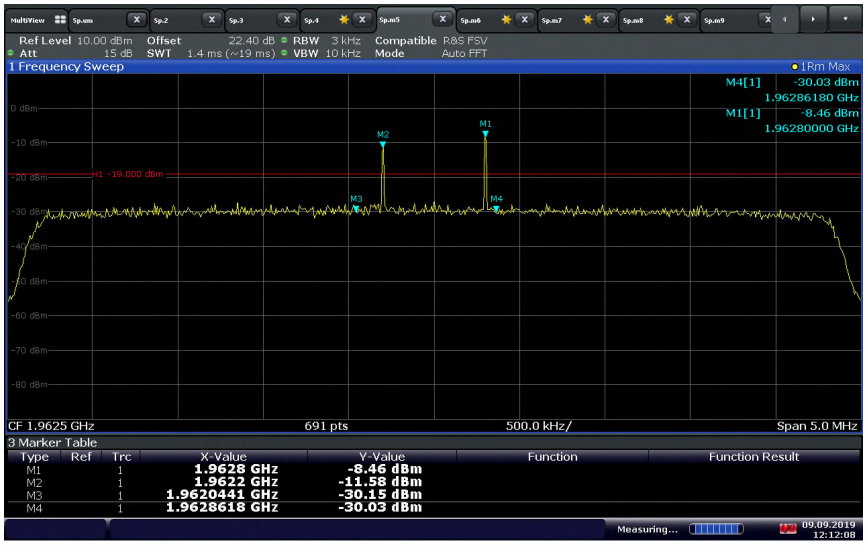
LTE Band 13 Uplink (-71.2dBm)


11:07:58 09.09.2019

LTE Band 13 Uplink (-61.2.0dBm)


11:08:40 09.09.2019

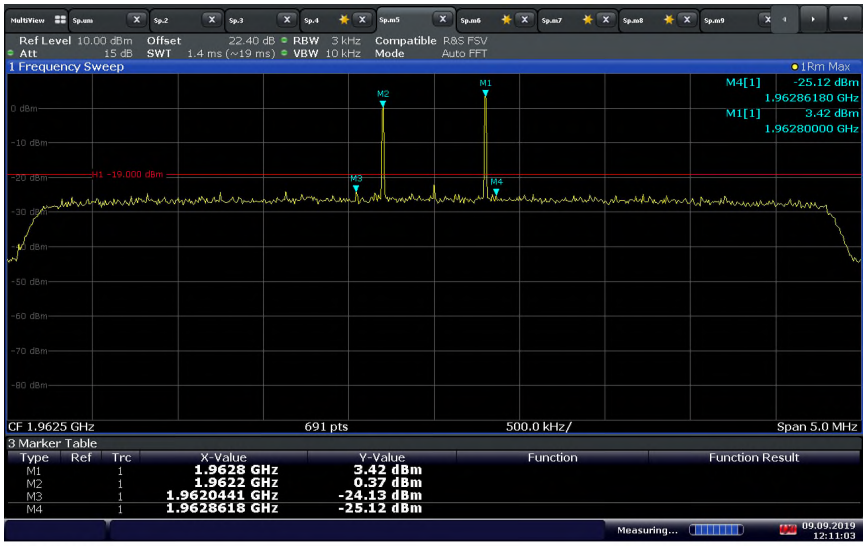
LTE Band 25 Downlink (-86.9 dBm)



12:12:09 09.09.2019

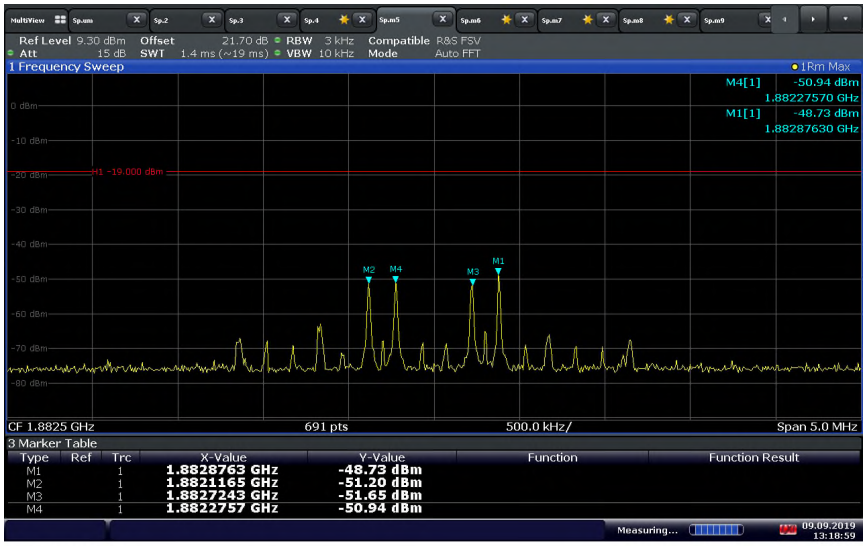
Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

LTE Band 25 Downlink (-76.9 dBm)

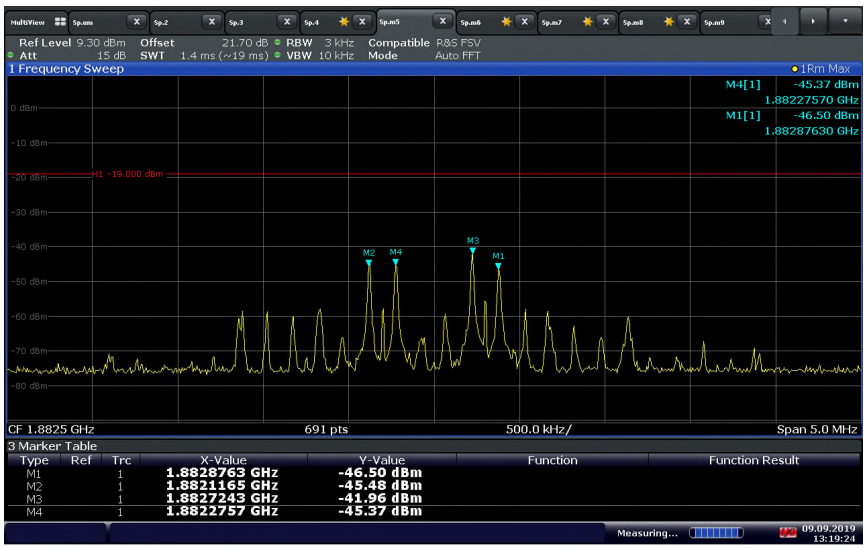


12:11:04 09.09.2019

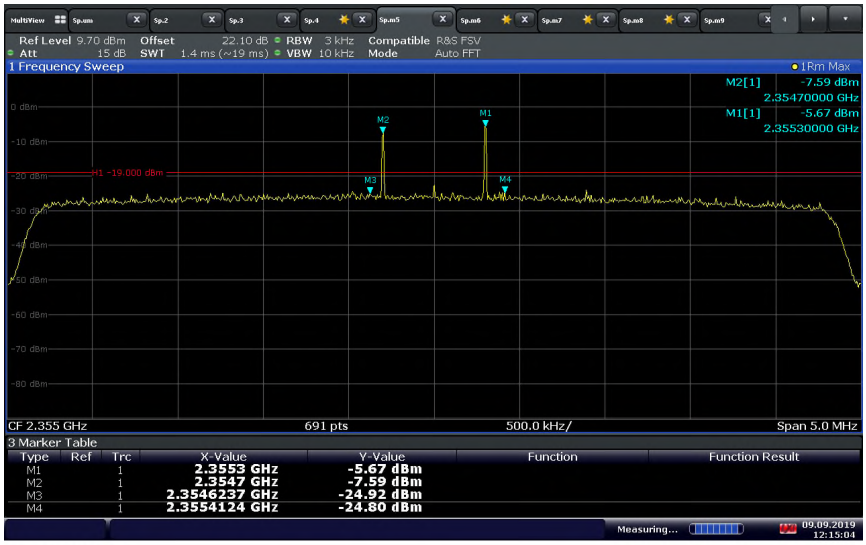
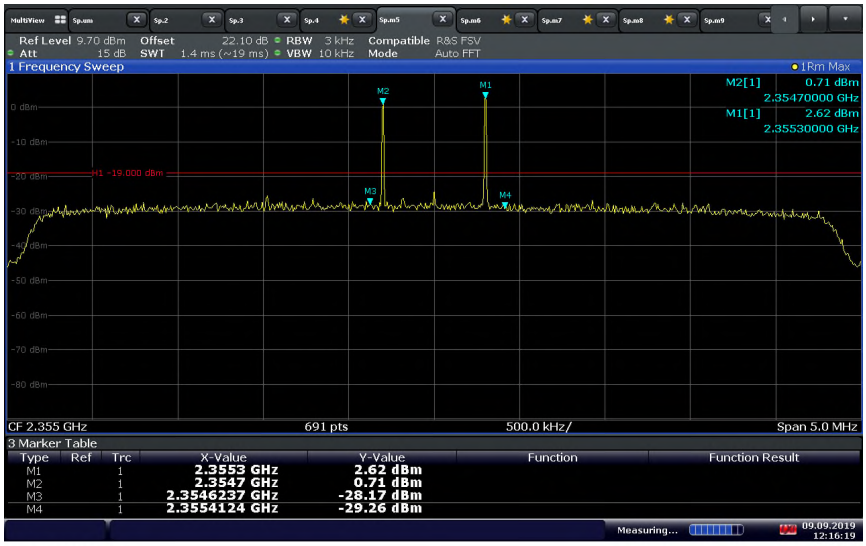
Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

LTE Band 25 Uplink (-74.9 dBm)


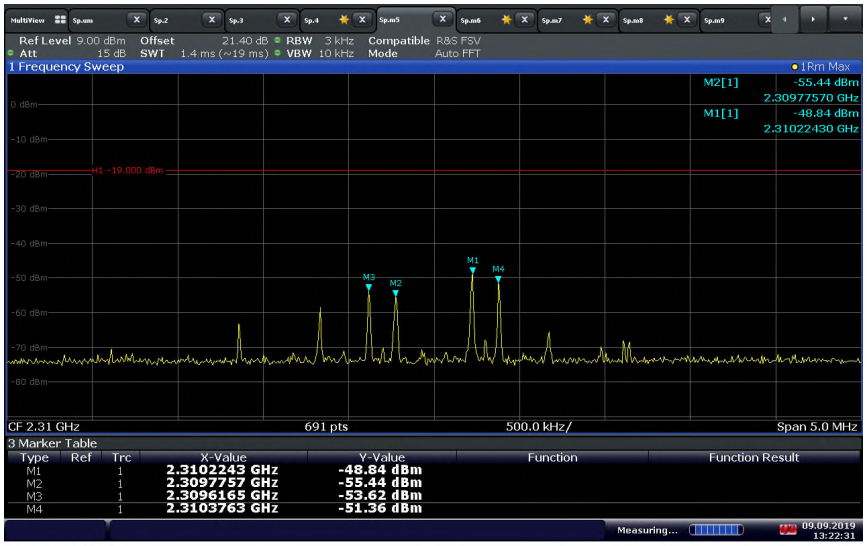
13:18:59 09.09.2019

LTE Band 25 Uplink (-64.9 dBm)


13:19:25 09.09.2019

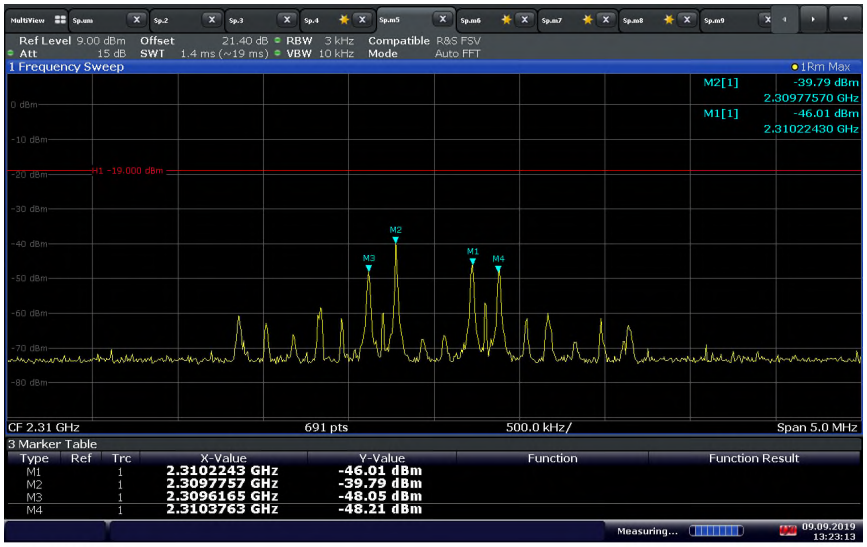
LTE Band 30 Downlink (-86.9 dBm)
 12:15:04 09.09.2019 Note: The spurious above the limit are the injected CW signals, not inter-modulation products.
LTE Band 30 Downlink (-76.9 dBm)
 12:16:19 09.09.2019 Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

LTE Band 30 Uplink (-77.5 dBm)



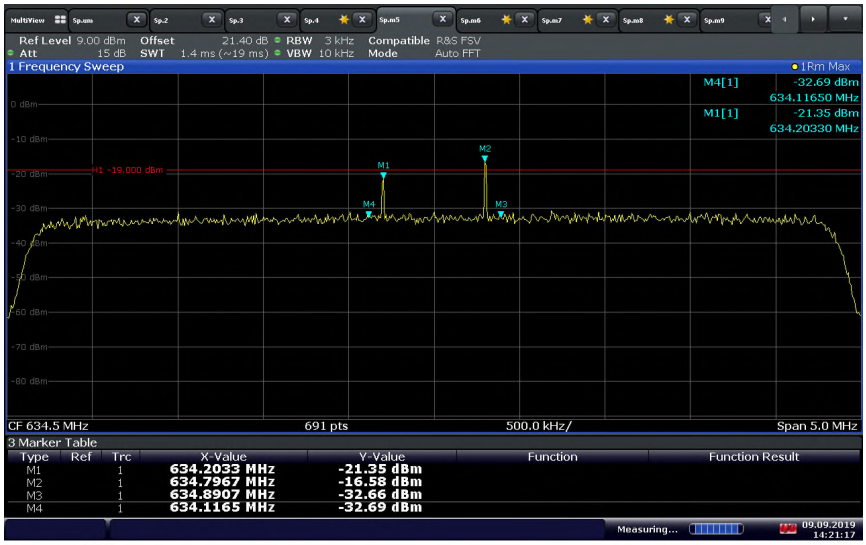
13:22:31 09.09.2019

LTE Band 30 Uplink (-67.5 dBm)



13:23:13 09.09.2019

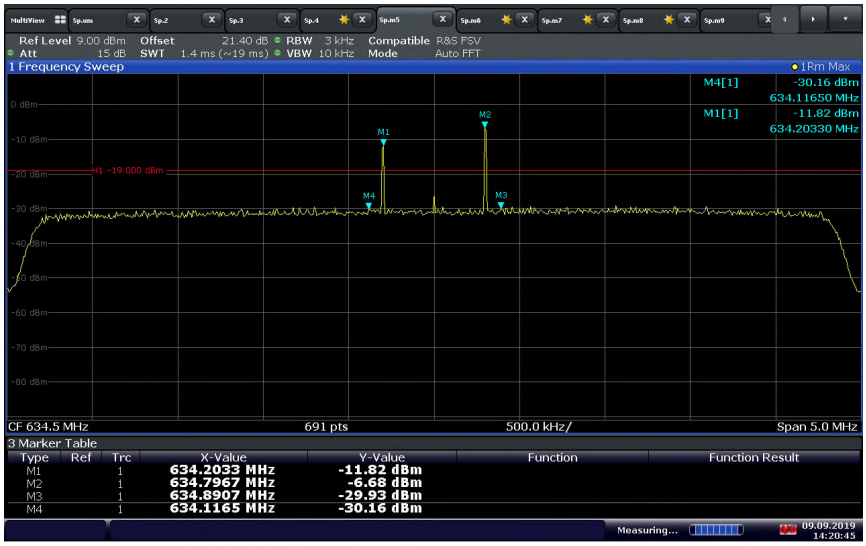
LTE Band 71 Downlink (-87.7 dBm)



14:21:18 09.09.2019

Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

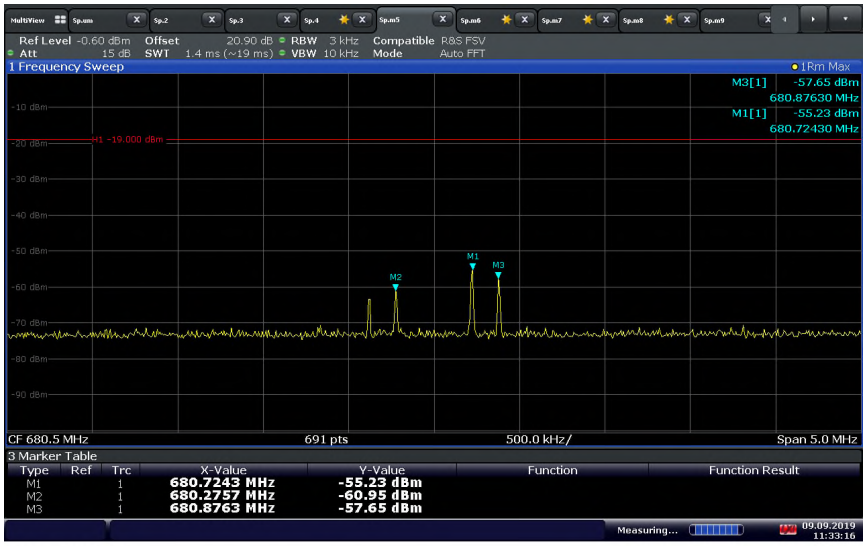
LTE Band 71 Downlink (-77.7 dBm)



14:20:46 09.09.2019

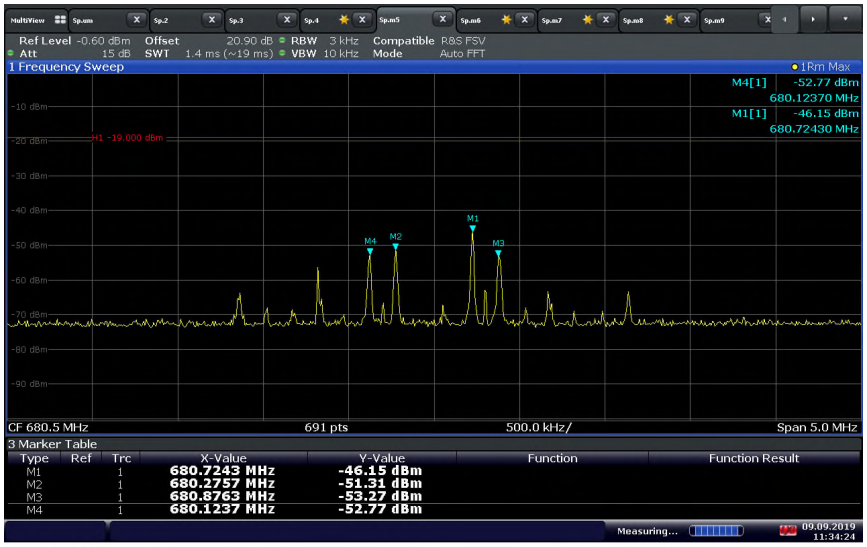
Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

LTE Band 71 Uplink (-75.6 dBm)



11:33:17 09.09.2019

LTE Band 71 Uplink (-65.6.0dBm)



11:34:25 09.09.2019

2.5 OUT OF BAND EMISSIONS

2.5.1 Specification Reference

FCC 47 CFR Part 20. Clause 20.21(e)(9)(i)(F)
KDB935210 D04, Clause 7.5

2.5.2 Standard Applicable

FCC 47 CFR Part 20. Clause 20.21(e)(9)(i)(F) Out of Band Emissions Limits:
Booster out of band emissions (OOBE) shall meet the FCC's mobile emission limits for the supported bands of operation. Compliance to OOBE limits will utilize high peak-to-average CMRS signal types.

2.5.3 Equipment Under Test and Modification State

Serial No: 370920000139 (NU) and 371929000156 (CU) / Test Configuration A and B

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

September 05 and October 17, 2019 / XYZ

2.5.5 Test Equipment Used

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

2.5.6 Environmental Conditions

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

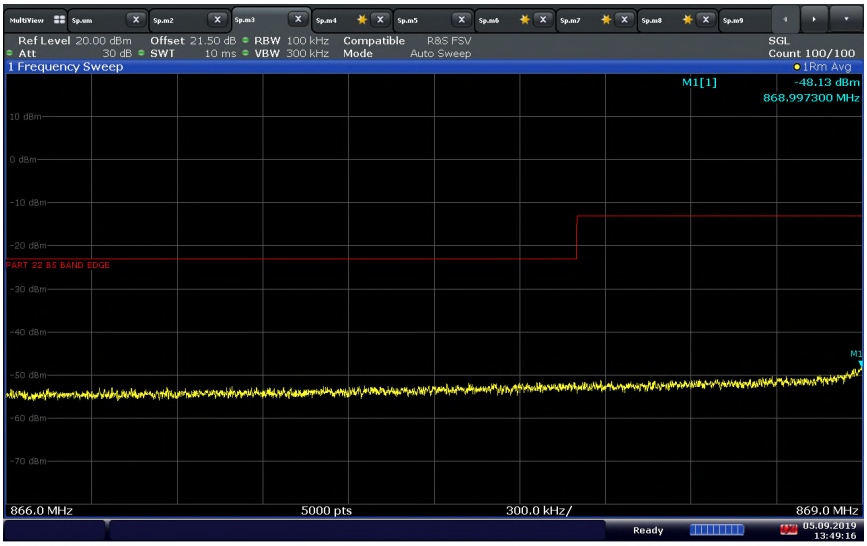
Ambient Temperature	25.7 - 26.3C
Relative Humidity	45.6 - 49.9%
ATM Pressure	985 - 98.9kPa

2.5.7 Additional Observations

- This is conducted Test. Test procedure is per Section 7.5 of KDB935210 (D04 Provider Specific Booster Measurements v02r03). Appropriate offset (line losses) applied.
- The EUT operated in Test Mode, with the gain set to the maximum and a 5MHz bandwidth setting.
- The out of band emissions with Maximum Transmitter Input Level (-20dBm for Downlink and 0dBm for Uplink) injected was also verified.
- Evaluations are conducted at CU and NU antenna ports.
- Operational uplink and downlink bands for WCDMA Band 5 and LTE Band 4, 5, 12, 13, 25, 30, 71 were tested.
- Signal: 5MHz WCDMA or LTE.

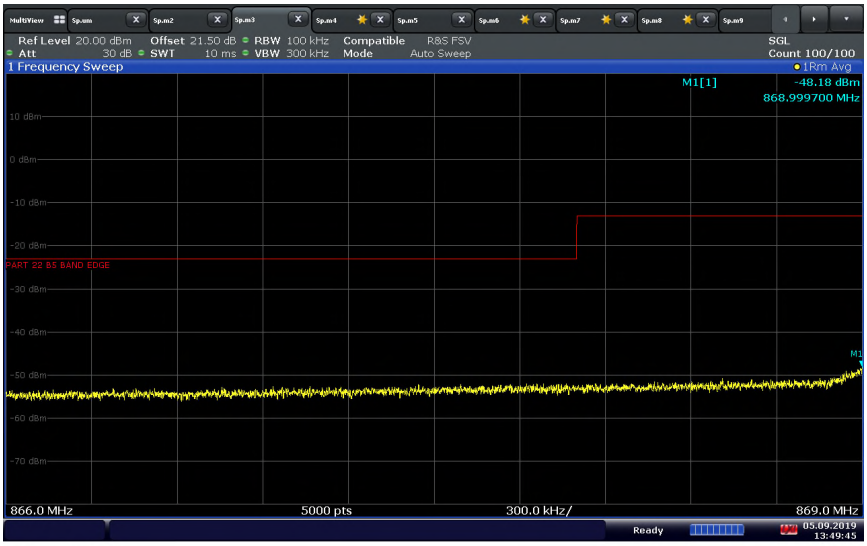
2.5.8 Test Results

WCDMA Band 5 Downlink 5MHz Bandwidth Low Channel (-82.9 dBm)

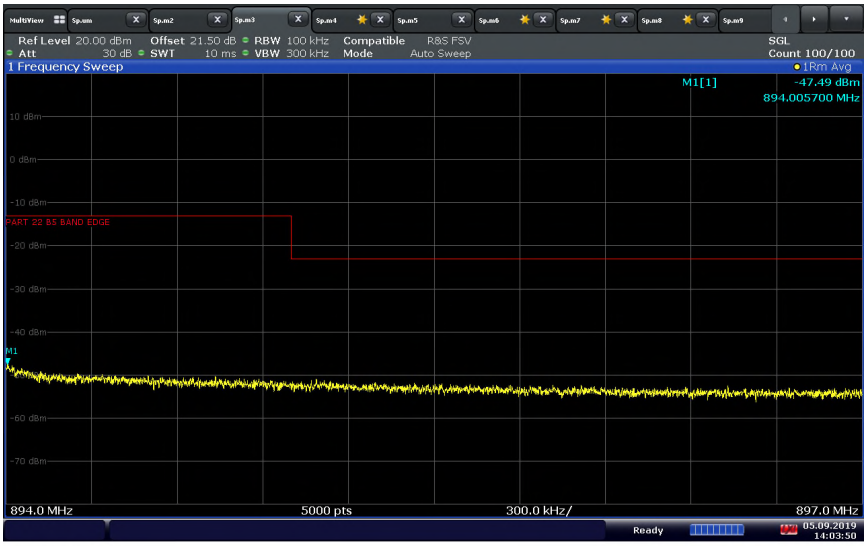


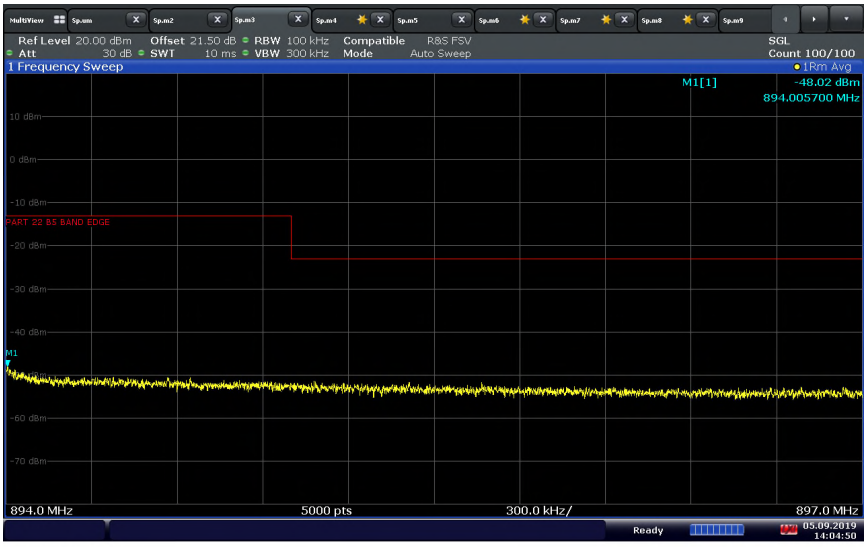
13:49:17 05.09.2019

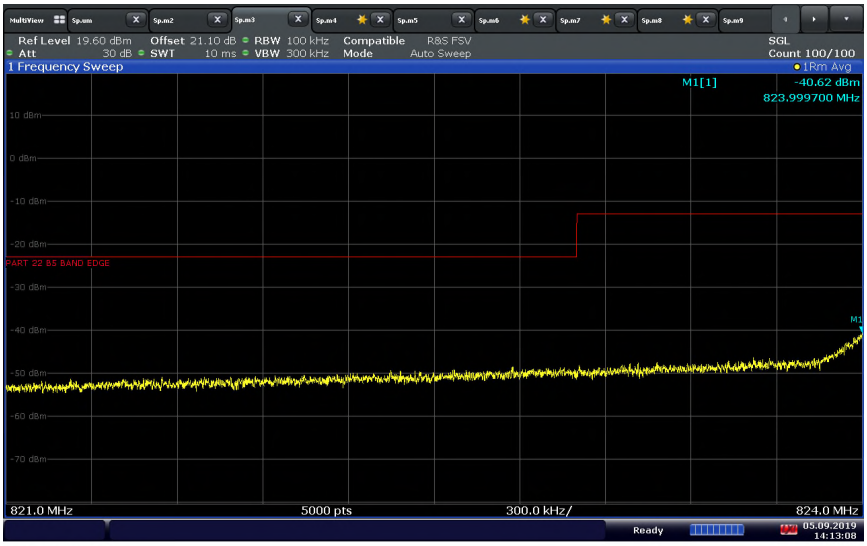
WCDMA Band 5 Downlink 5MHz Bandwidth Low Channel (-20 dBm)

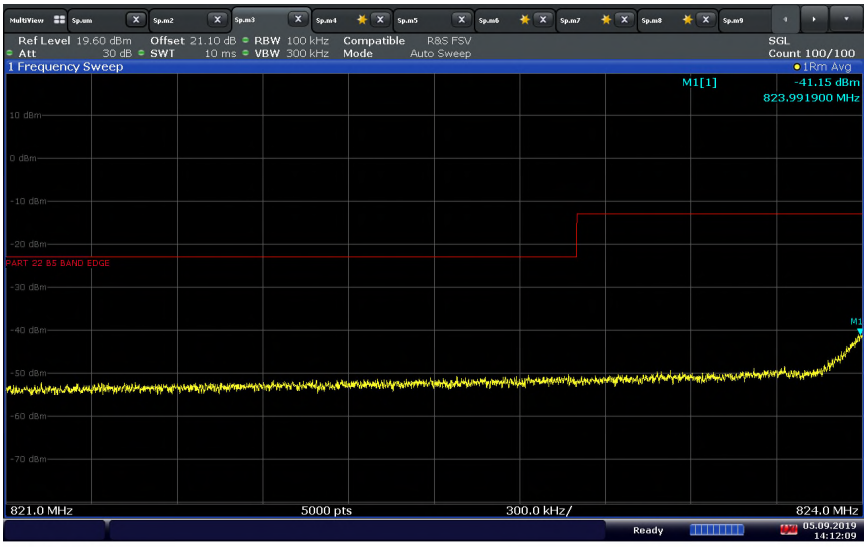


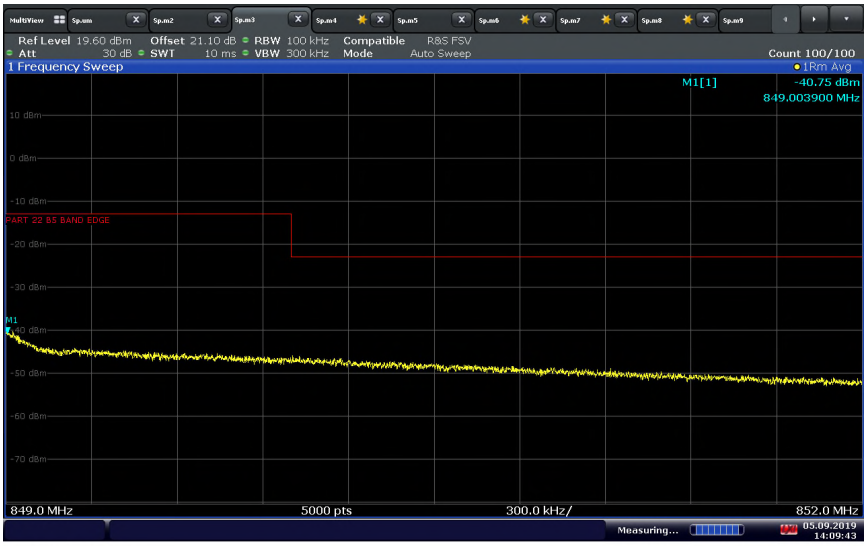
13:49:46 05.09.2019

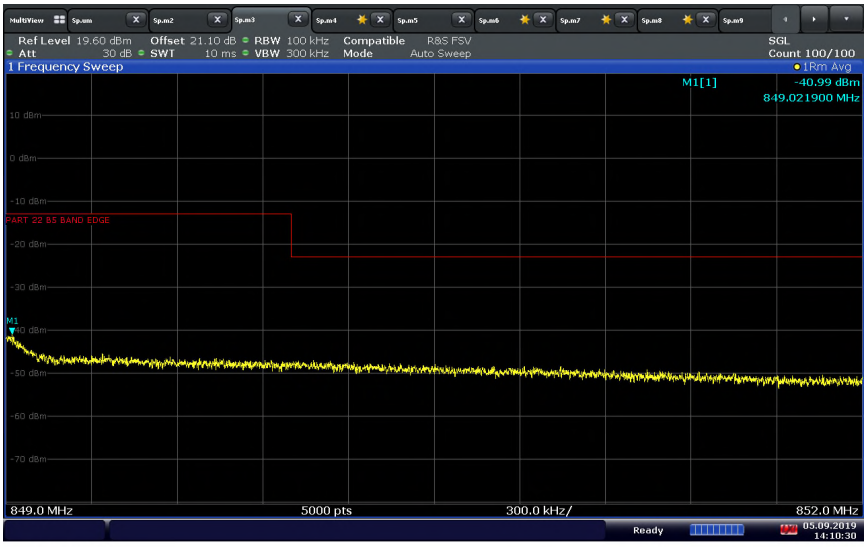
WCDMA Band 5 Downlink 5MHz Bandwidth High Channel (-82.9 dBm)
 14:03:51 05.09.2019

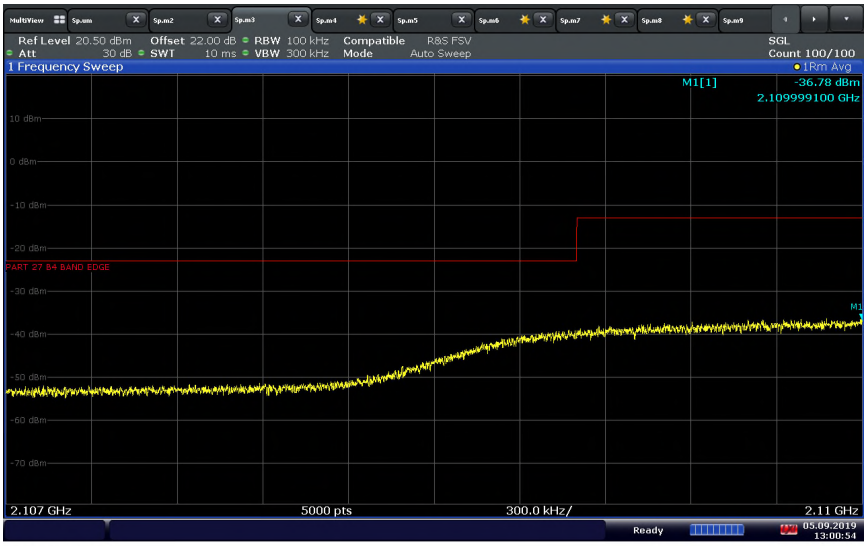
WCDMA Band 5 Downlink 5MHz Bandwidth High Channel (-20 dBm)
 14:04:50 05.09.2019

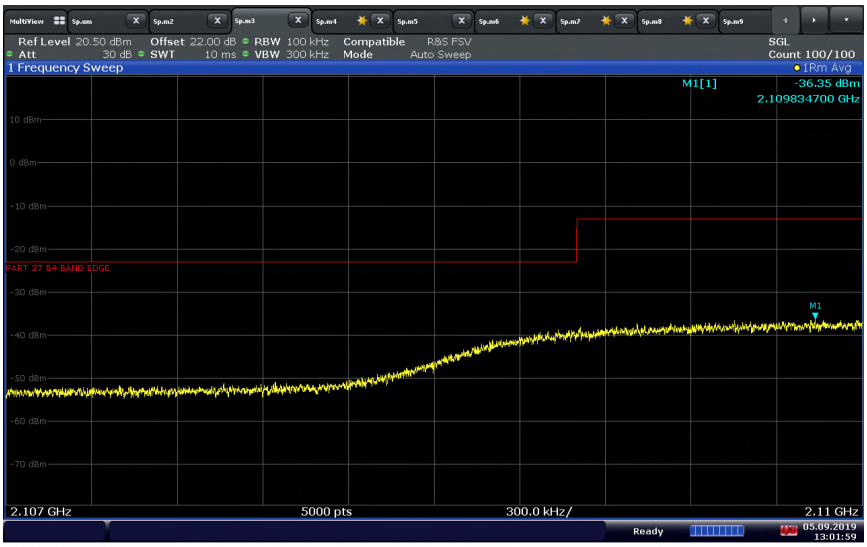
WCDMA Band 5 Uplink 5MHz Bandwidth Low Channel (-73.6 dBm)
 14:13:08 05.09.2019

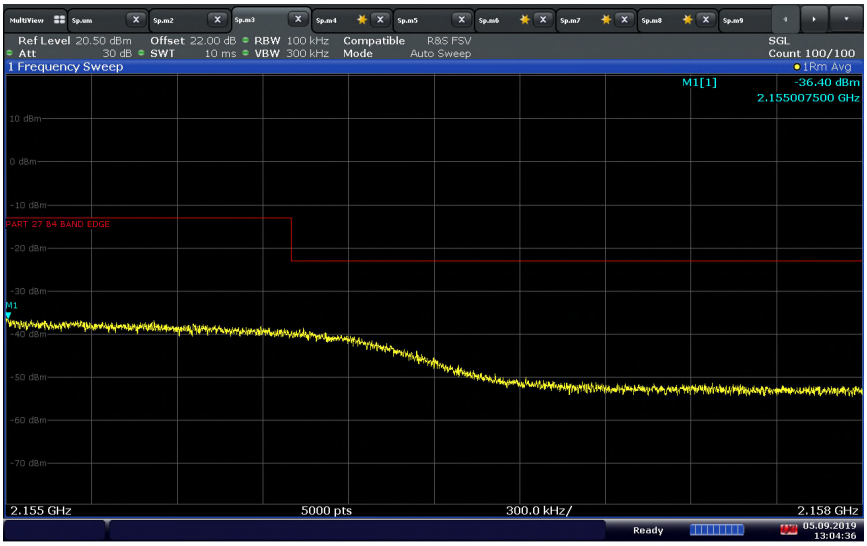
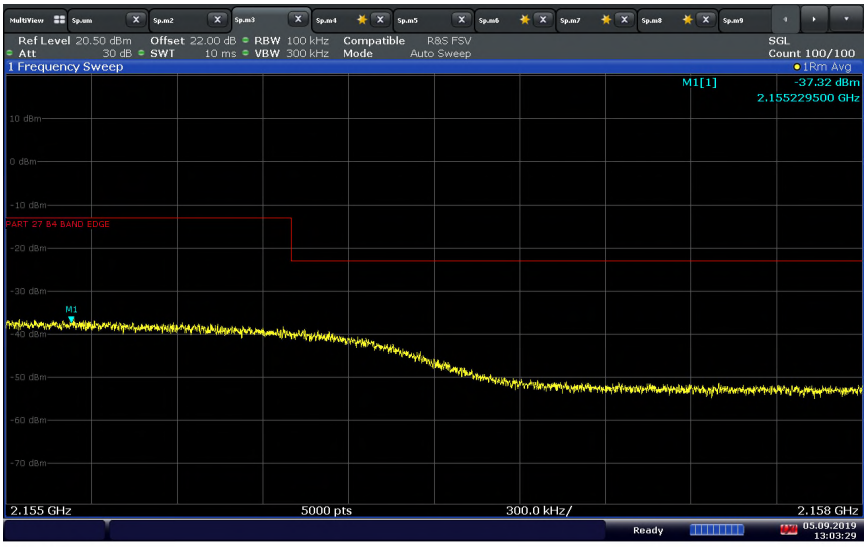
WCDMA Band 5 Uplink 5MHz Bandwidth Low Channel (0 dBm)
 14:12:10 05.09.2019

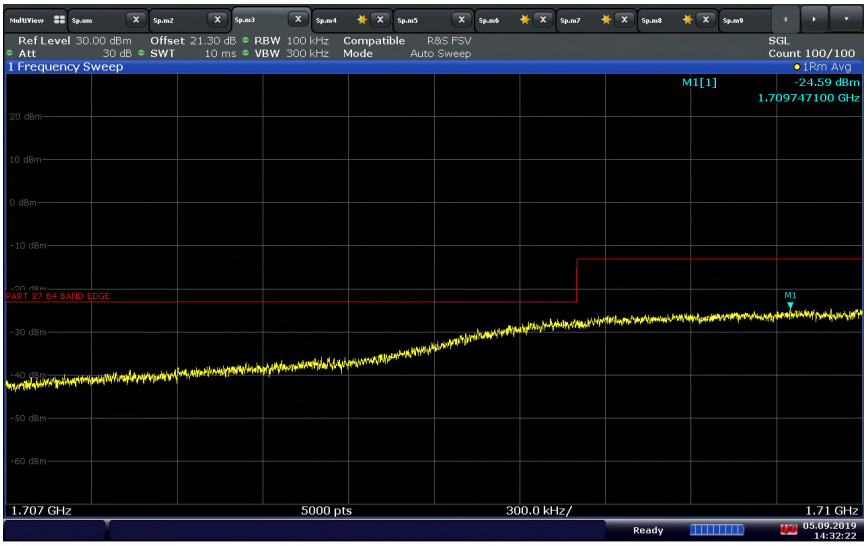
WCDMA Band 5 Uplink 5MHz Bandwidth High Channel (-73.6 dBm)
 14:09:44 05.09.2019

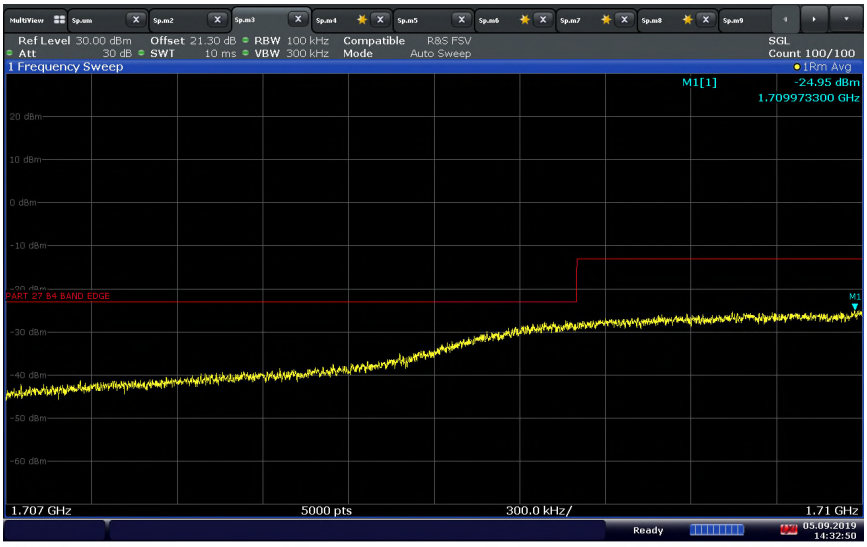
WCDMA Band 5 Uplink 5MHz Bandwidth High Channel (0 dBm)
 14:10:30 05.09.2019

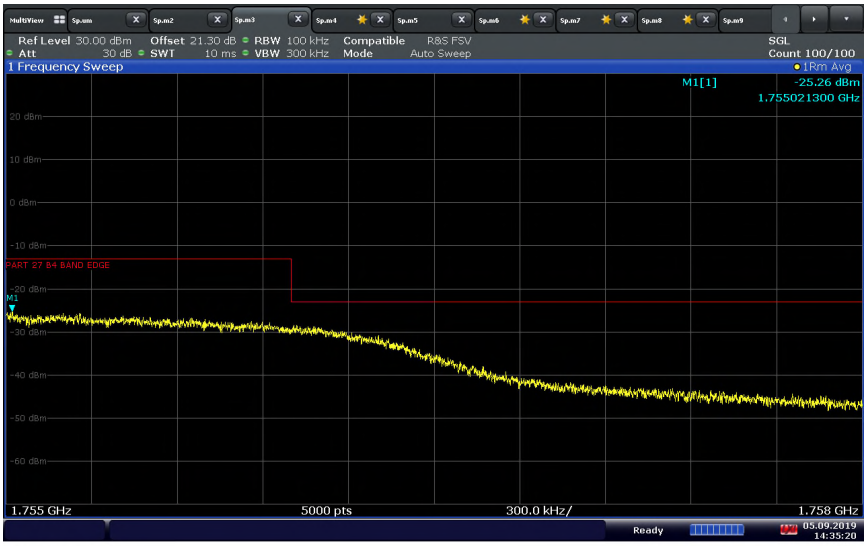
LTE Band 4 Downlink 5MHz Bandwidth Low Channel (-87.7 dBm)
 13:00:54 05.09.2019

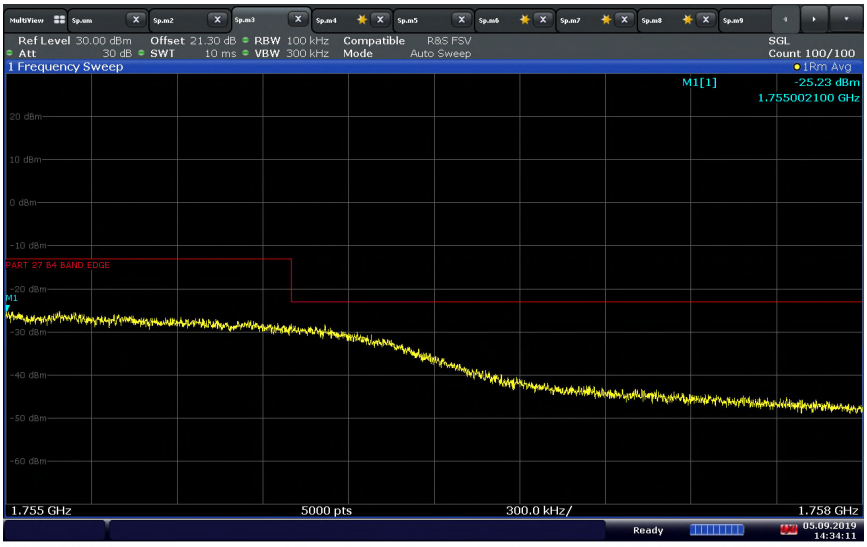
LTE Band 4 Downlink 5MHz Bandwidth Low Channel (-20 dBm)
 13:01:59 05.09.2019

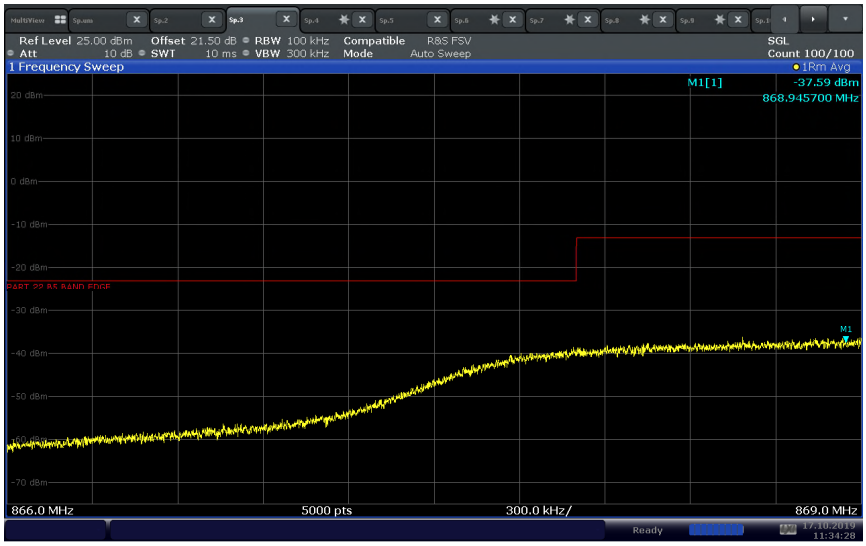
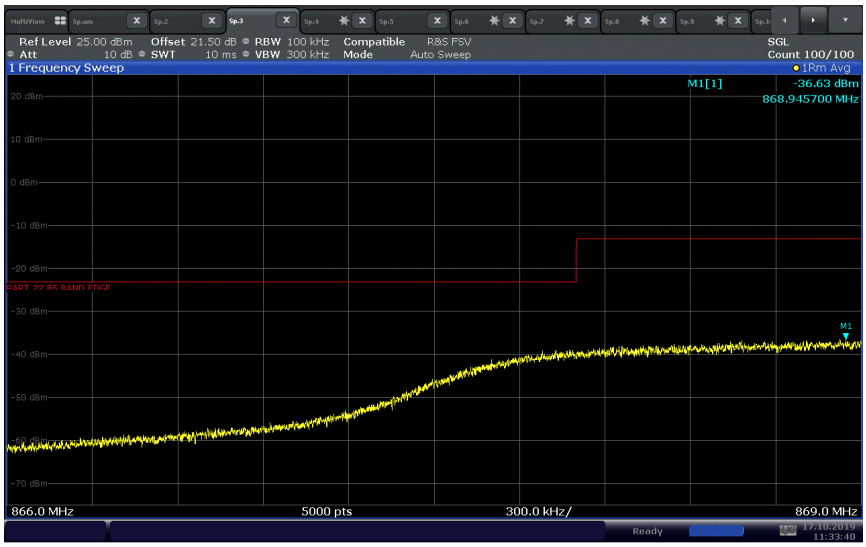
LTE Band 4 Downlink 5MHz Bandwidth High Channel (-87.7 dBm)
 13:04:36 05.09.2019
LTE Band 4 Downlink 5MHz Bandwidth High Channel (-20 dBm)
 13:03:29 05.09.2019

LTE Band 4 Uplink 5MHz Bandwidth Low Channel (-73.3 dBm)
 14:32:22 05.09.2019

LTE Band 4 Uplink 5MHz Bandwidth Low Channel (0 dBm)
 14:32:50 05.09.2019

LTE Band 4 Uplink 5MHz Bandwidth High Channel (-73.3 dBm)
 14:35:21 05.09.2019

LTE Band 4 Uplink 5MHz Bandwidth High Channel (0 dBm)
 14:34:12 05.09.2019

LTE Band 5 Downlink 5MHz Bandwidth Low Channel (-82.8 dBm)
 11:34:29 17.10.2019
LTE Band 5 Downlink 5MHz Bandwidth Low Channel (-20 dBm)
 11:33:41 17.10.2019