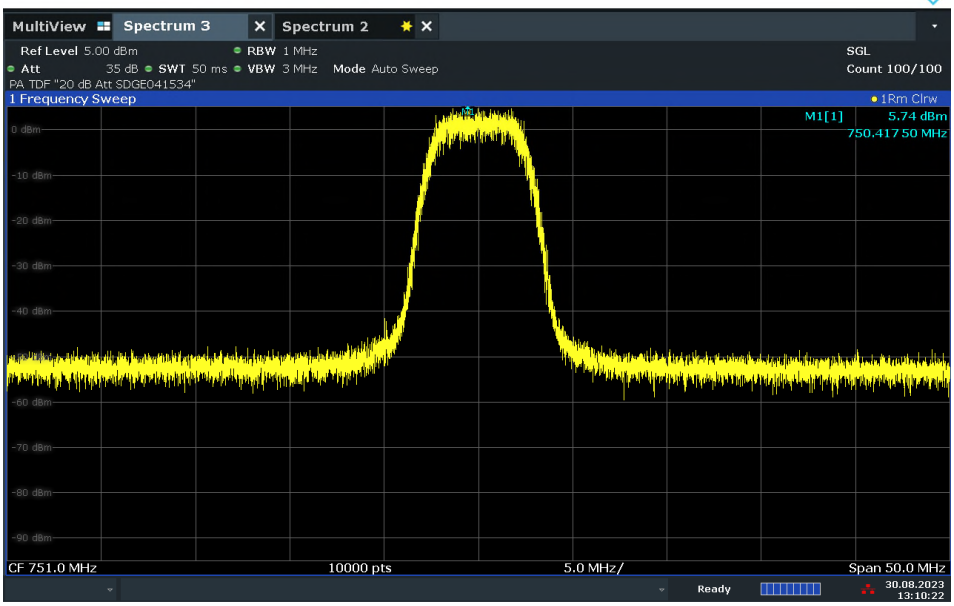
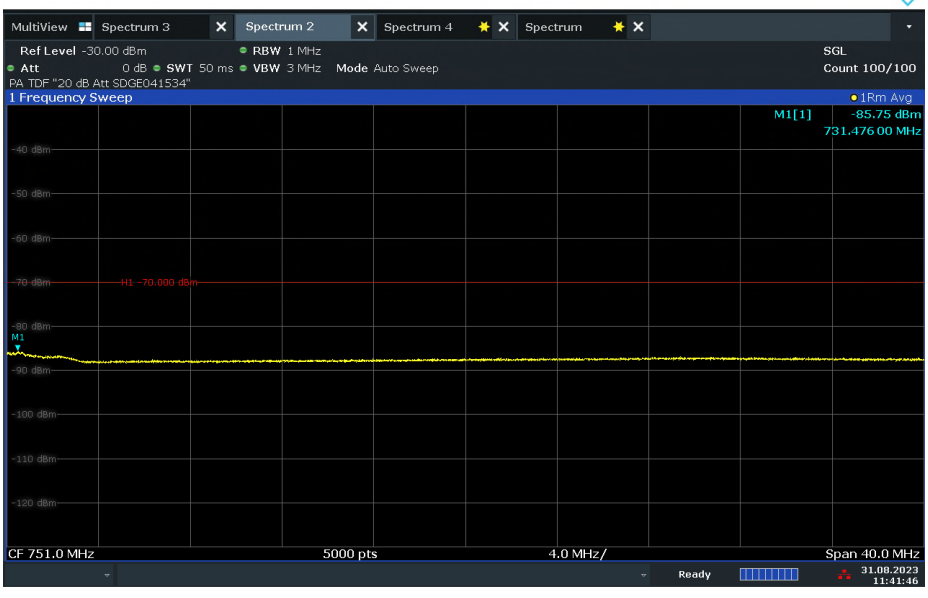
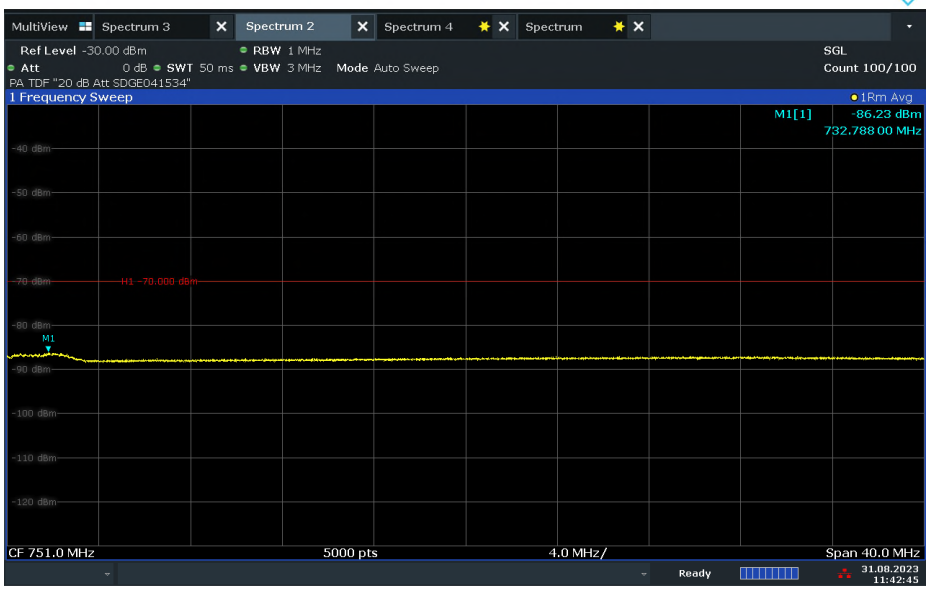
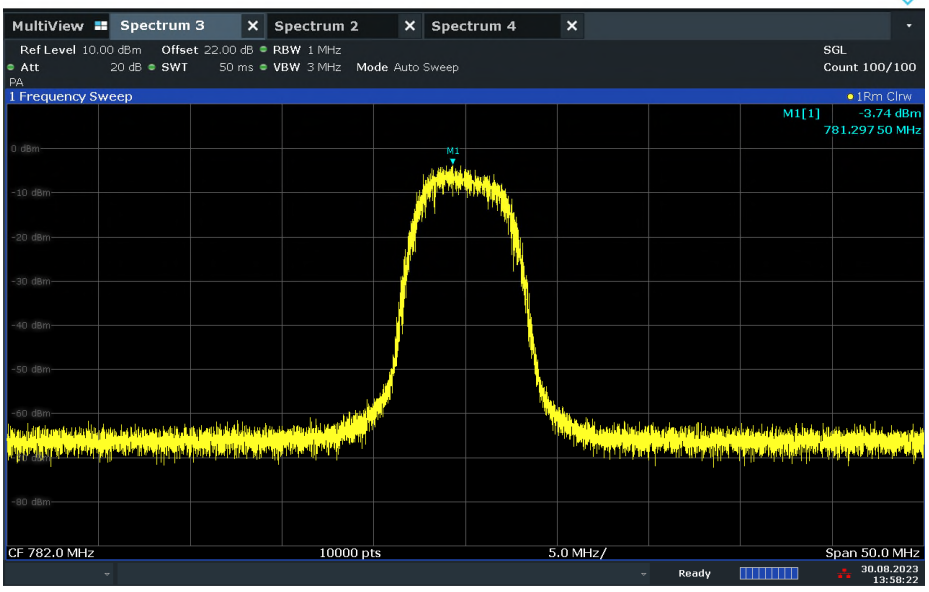
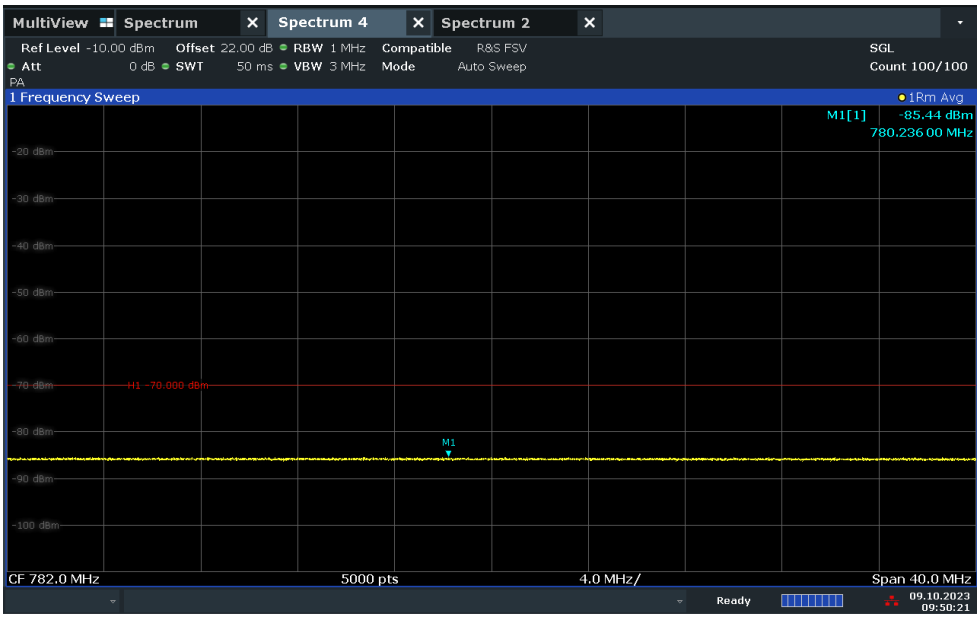
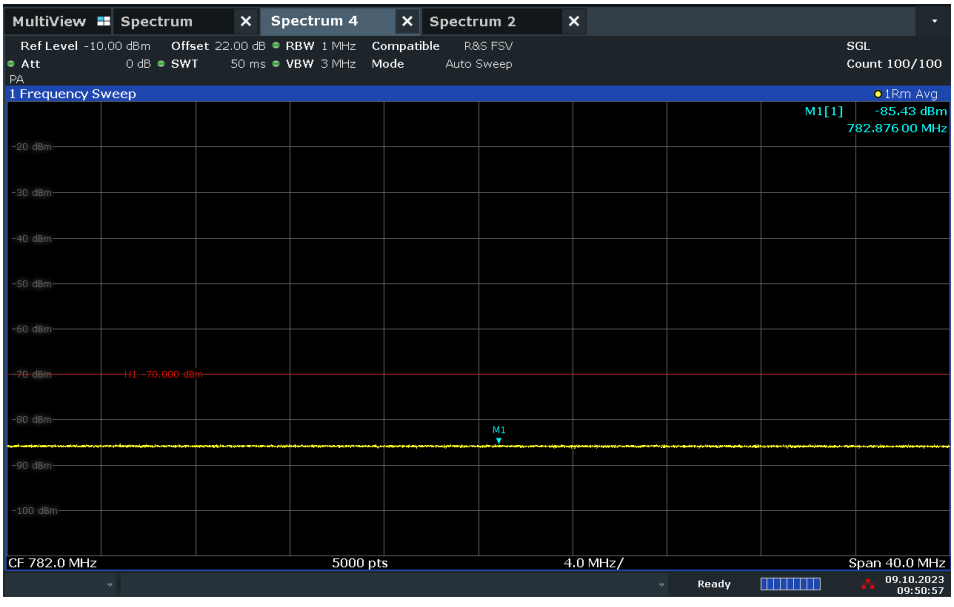
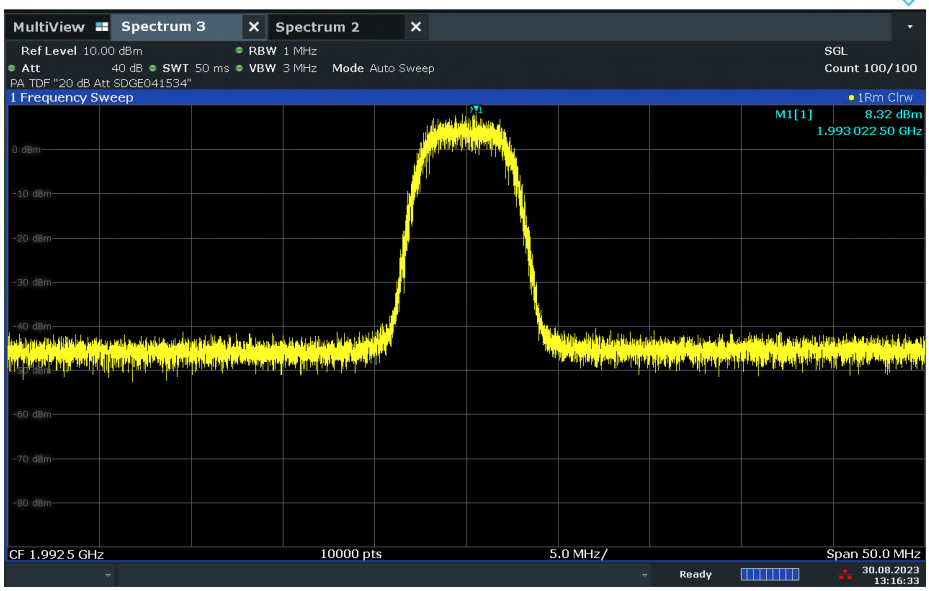
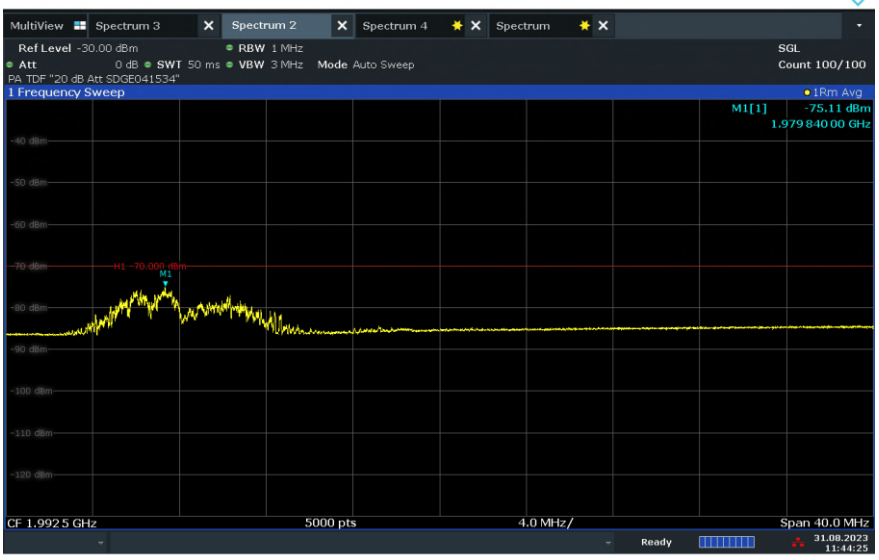
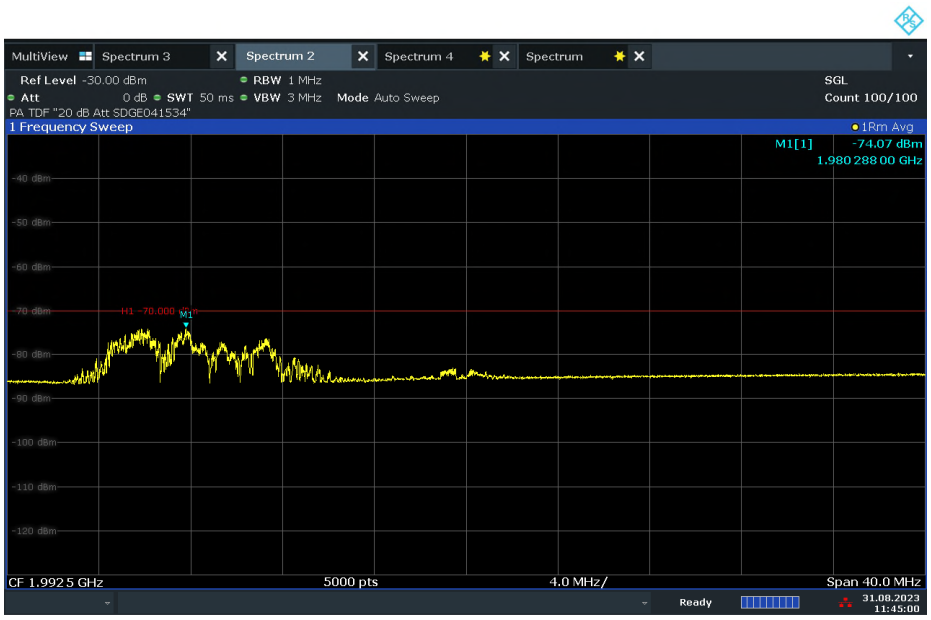
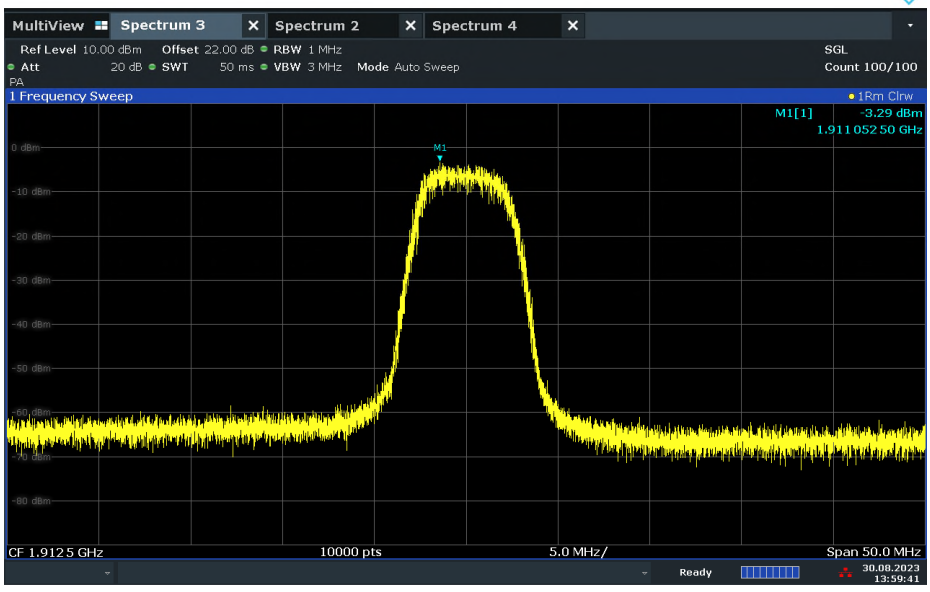
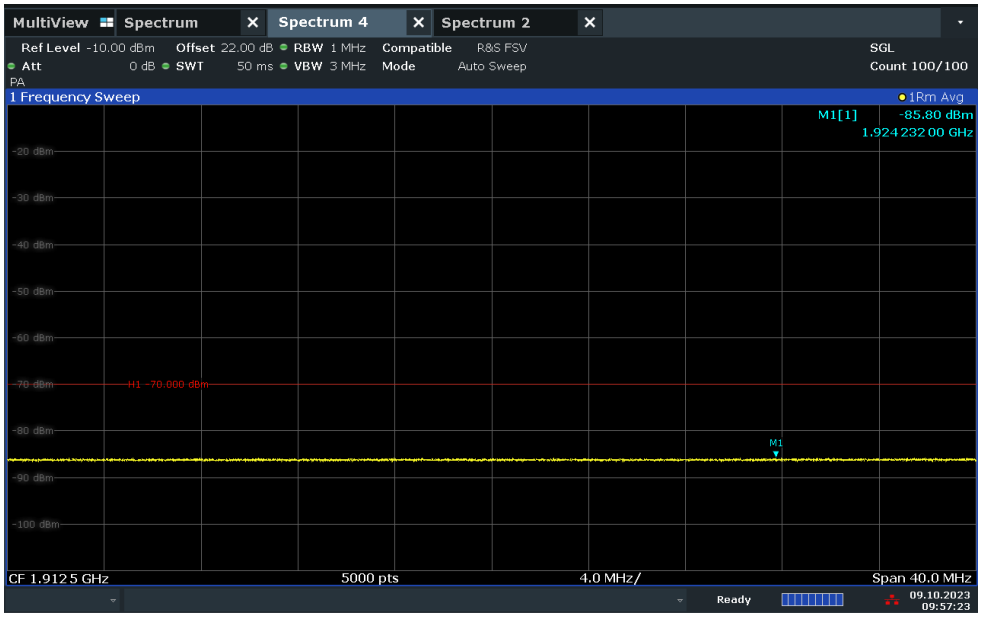
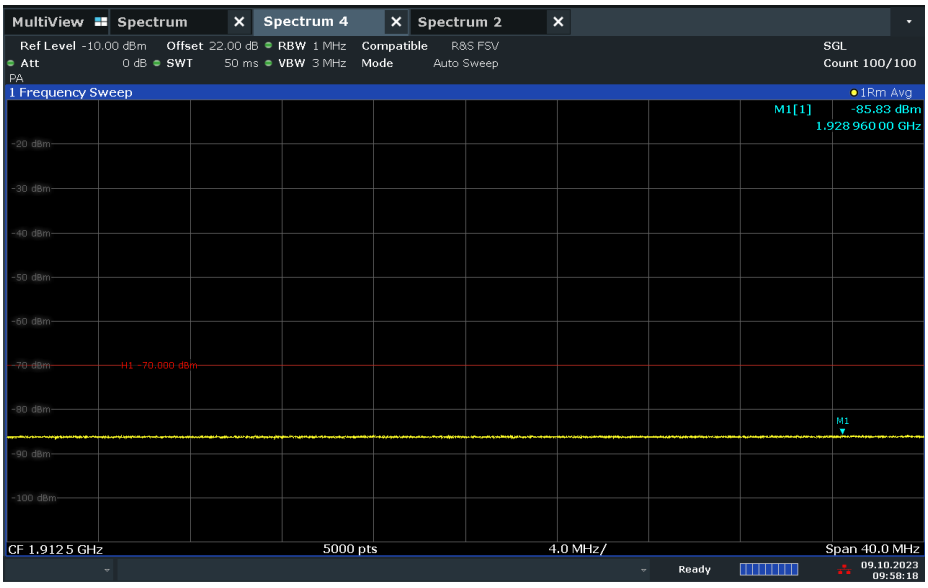
LTE Band 13 Downlink Authorized Frequency Range (746 – 756 MHz) (MCC/MNC: 123-456)
 13:10:22 30.08.2023
LTE Band 13 Downlink Authorized Frequency Range (746 – 756 MHz) (MCC/MNC: 123-619)
 11:41:47 31.08.2023

LTE Band 13 Downlink Authorized Frequency Range (746 – 756 MHz) (MCC/MNC: 123-916)
 11:42:46 31.08.2023
LTE Band 13 Uplink Authorized Frequency Range (777 – 787 MHz) (MCC/MNC: 123-456)
 13:58:23 30.08.2023

LTE Band 13 Uplink Authorized Frequency Range (777 – 787 MHz) (MCC/MNC: 123-619)
 09:50:21 09.10.2023
LTE Band 13 Uplink Authorized Frequency Range (777 – 787 MHz) (MCC/MNC: 123-916)
 09:50:58 09.10.2023

LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) (MCC/MNC: 123-456)
 13:16:34 30.08.2023
LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) (MCC/MNC: 123-619)
 11:44:26 31.08.2023

LTE Band 25 Downlink Authorized Frequency Range (1930 – 1995 MHz) (MCC/MNC: 123-916)
 11:45:01 31.08.2023
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) (MCC/MNC: 123-456)
 13:59:42 30.08.2023

LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) (MCC/MNC: 123-619)
   09:57:24 09.10.2023
LTE Band 25 Uplink Authorized Frequency Range (1850 – 1915 MHz) (MCC/MNC: 123-916)
   09:58:19 09.10.2023

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 7.33

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: 560311000026/ Test Configuration (N/A, calculation only)

Serial No: 560311000026 / Test Configuration A and B

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

August 02, October 29, 2023 /MARG

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	26.3° - 27.2C
Relative Humidity	53.3 - 58.4%
ATM Pressure	99.0 – 99.8kPa

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.
- Uplink Max System Gain calculations for EIRP were based on MPE limits
- 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.
- Operational uplink and downlink bands for LTE Band 2, 4, 5, 12, 13, 25 were tested.
- Per Client request only High Channel was tested for Band 25
- Evaluations are conducted. The signal generator was set to transmit a 5MHz LTE signal.
- Only test plots for middle channel presented as the representative configuration except for Band 25.
- Uplink Power should be higher than 17 dBm.

2.3.8 Test Results Maximum Gain

Maximum Gain					
Band	**Frequency Range (MHz)**	**Gain (dB)**	**Gain Limit (dB)**	**UL vs DL Gain**	**UL vs DL Gain Limit (dB)**
LTE Band 2 Downlink	1930-1990	97.91	100	1.45	9.0
LTE Band 2 Uplink	1850-1910	99.36	100		
LTE Band 4 Downlink	2110 - 2155	98.65	100	0.97	9.0
LTE Band 4 Uplink	1710 - 1755	99.62	100		
LTE Band 5 Downlink	869 - 894	94.6	100	0.77	9.0
LTE Band 5 Uplink	824 - 849	95.37	100		
LTE Band 12 Downlink	729-746	94.68	100	0.73	9.0
LTE Band 12 Uplink	699-716	95.41	100		9.0
LTE Band 13 Downlink	746-756	93.91	100	1.37	9.0
LTE Band 13 Uplink	777-787	95.28	100		9.0

LTE Band 25 Downlink	1930-1995	96.39	100	2.71	9.0
LTE Band 25 Uplink	18850-1915	99.1	100		9.0

2.3.9 Test Results Power Output

Power Output (Conducted / EIRP) LTE Band 2 Downlink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	625	1932.5	9.83	20.67	**0.17**	10	20.84	10
	900	1960	9.31	19.89	0.69	10	20.58	10
	1175	1987.5	8.94	19.59	1.06	10	20.65	10
10	650	1935	12.37	23.5	4.63	17	28.13	17
	900	1960	12.46	23.79	4.54	17	28.33	17
	1150	1985	11.26	22.43	5.74	17	28.17	17
15	675	1937	14.05	26.35	2.95	17	29.3	17
	900	1960	14.46	26.7	2.54	17	29.24	17
	1125	1982.5	13.67	24.96	3.33	17	28.29	17
20	700	1940	**15.87**	**26.97**	1.13	17	28.1	17
	900	1960	15.41	27.52	1.59	17	29.11	17
	1100	1980	14.51	26.81	2.49	17	29.3	17

Power Output (Conducted / EIRP) LTE Band 2 Uplink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	18625	1852.5	21.79	31.69	8.21	30	39.9	30
	18925	1882.5	21.06	32.18	8.94	30	41.12	30
	1917	1907.5	21.43	32.23	8.57	30	40.8	30
10	18650	1855	21.69	31.58	8.31	30	39.89	30
	18900	1880	21.04	31.65	8.96	30	40.61	30
	19150	1905	**21.86**	**32.14**	**8.14**	30	40.28	30
15	18675	1857.5	21.72	32.51	8.28	30	40.79	30
	18900	1880	21.11	32.07	8.89	30	40.96	30
	19125	1902.5	21.06	31.95	8.94	30	40.89	30
20	18700	1860	21.61	31.96	8.39	30	40.35	30
	18900	1880	21.59	32.32	8.41	30	40.73	30
	19100	1900	21.62	32.14	8.38	30	40.52	30

Power Output (Conducted / EIRP) LTE Band 4 Downlink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	1975	2112.5	8.82	20.61	1.18	10	21.79	10
	2175	2132.5	9.14	21.11	0.86	10	21.97	10
	2375	2152.5	9.95	22.03	**0.05**	10	22.08	10
10	2000	2115	12.43	23.72	4.57	17	28.29	17
	2175	2132.5	12.28	23.56	4.72	17	28.28	17
	2350	2150	12.57	23.35	4.43	17	27.78	17
15	2025	2117.5	14.45	25.88	2.55	17	28.43	17
	2175	2132.5	14.45	25.85	2.55	17	28.4	17
	2325	2147.5	14.16	26.22	2.84	17	29.06	17
20	2050	2120	**15.59**	**27**	1.41	17	28.41	17
	2175	2132.5	15.4	26.23	1.6	17	27.83	17
	2300	2145	15.23	26.84	1.77	17	28.61	17

Power Output (Conducted / EIRP) LTE Band 4 Uplink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	19975	1712.5	21.32	31.18	8.68	30	39.86	30
	20175	1732.5	22.08	31.75	7.92	30	39.67	30
	20375	1752.5	21.96	32.36	8.04	30	40.4	30
10	20000	1715	22.20	31.61	7.8	30	39.41	30
	20175	1732.5	22.16	31.44	7.84	30	39.28	30
	20350	1750	22.16	32.00	7.84	30	39.84	30
15	20025	1717.5	22.15	32.31	7.85	30	40.16	30
	20175	1732.5	22.28	31.81	7.72	30	39.53	30
	20325	1747.5	**22.32**	**32.50**	**7.68**	30	40.18	30
20	20050	1720	21.99	31.74	8.01	30	39.75	30
	20175	1732.5	22.06	31.49	7.94	30	39.43	30
	20300	1745	22.09	31.93	7.91	30	39.84	30

Power Output (Conducted / EIRP) LTE Band 5 Downlink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	2425	871.5	9.03	19.44	0.97	10	20.41	10
	2525	881.5	9.64	20.52	0.36	10	20.88	10
	2625	891.5	9.92	21.39	**0.08**	10	21.47	10
10	2450	874	**12.10**	**23.30**	4.9	17	28.2	17
	2525	881.5	10.52	21.31	6.48	17	27.79	17
	2600	889	10.10	21.46	6.9	17	28.36	17

Power Output (Conducted / EIRP) LTE Band 5 Uplink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	20425	826.5	19.36	30.92	10.64	30	36.06	30
	20525	836.5	19.41	31.42	10.59	30	36.51	30
	20625	846.5	**19.66**	**31.71**	**10.34**	30	36.55	30
10	20450	829	19.51	30.91	10.49	30	35.9	30
	20525	836.5	19.57	31.14	10.43	30	36.07	30
	20600	844	19.34	30.75	10.66	30	35.91	30

Power Output (Conducted / EIRP) LTE Band 12 Downlink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	5035	731.5	9.73	21.34	**0.27**	10	21.61	10
	5095	737.5	9.29	19.58	0.71	10	20.29	10
	5155	743.5	9.1	19.92	0.9	10	20.82	10
10	5060	734	**12.70**	**23.48**	4.3	17	27.78	17
	5095	737.5	12.18	22.94	4.82	17	27.76	17
	5130	741	11.51	22.58	5.49	17	28.07	17

Power Output (Conducted / EIRP) LTE Band 12 Uplink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	23035	701.5	19.30*	28.29	10.7	30	38.99	30
	23095	707.5	19.43	28.62	10.57	30	39.19	30
	23155	713.5	19.56	28.63	10.44	30	39.07	30
10	23060	704	19.31	28.46	10.69	30	39.15	30
	23095	707.5	**19.81**	**29.04**	**10.19**	30	39.23	30
	23130	711	19.31	29.15	10.69	30	39.84	30

*: Lower UL Output Power = 19.30

Power Output (Conducted / EIRP) LTE Band 13 Downlink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	5205	748.5	9.24	21.51	0.76	10	22.27	10
	5230	751	9.42	20.09	0.58	10	20.67	10
	5255	753.5	9.95	20.59	**0.05**	10	20.64	10
10	---	---						
	5230	751	**11.41**	**22.50**	5.59	13	28.09	17
	---	---						

Power Output (Conducted / EIRP) LTE Band 13 Uplink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	23205	779.5	**19.78**	**30.21**	10.22	30	10.22	30
	23230	782	19.30	29.95	10.7	30	10.7	30
	23255	784.5	19.69	30.16	10.31	30	10.31	30
10	---	---						30
	23230	782	19.49	29.88	10.51	30	10.51	30
	---	---						30

Power Output (Conducted / EIRP) LTE Band 25 Downlink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	8665	1992.5	9.68	21.03	**0.32**	10	21.35	10
10	8640	1990	12.31	23.19	4.69	17	27.88	17
15	8615	1987.5	13.60	25.46	3.4	17	28.86	17
20	8590	1985	**13.89**	**26.19**	3.11	17	29.3	17

Power Output (Conducted / EIRP) LTE Band 25 Uplink								
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)		Average EIRP FCC Part 20 Limit (dBm)
						Average	Peak	
5	26665	1912.5	20.84	30.96	9.45	30	41.33	30
10	26640	1910	20.79	31.79	9.21	30	41	30
15	26615	1907.5	20.95	32.12	9.05	30	41.17	30
20	26590	1905	**21.60**	**33.04**	8.4	30	41.44	30

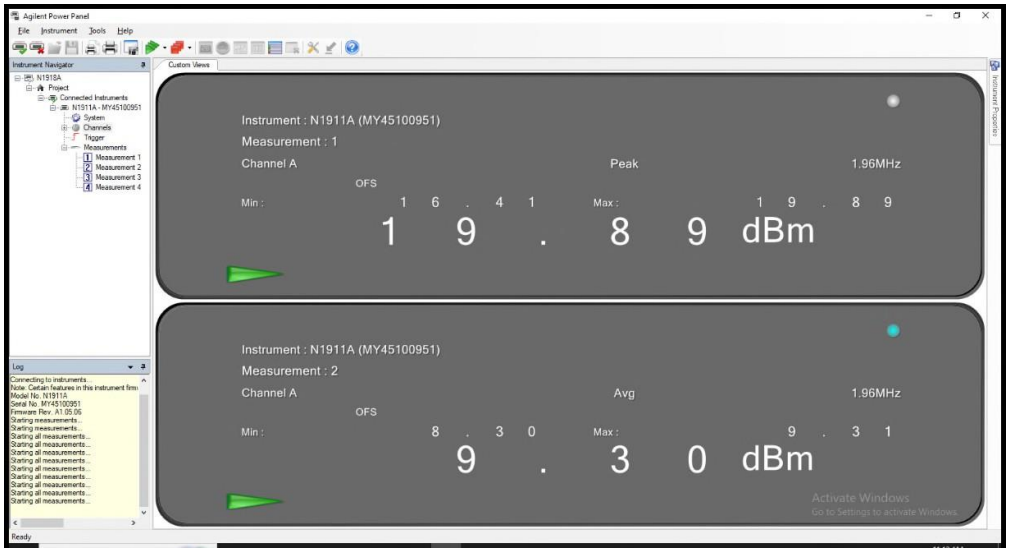
Power Output (Conducted) Downlink 10dBm/5MHz						
Bandwidth (MHz)	Channels	Frequency (MHz)	Average Power (dBm)	Maximum System Gain (Antenna + Cable) (dBi)	EIRP (dBm)	Average EIRP FCC Part 20 Limit (dBm)
					Average	
LTE Band 2						
10	900	1960	9.40	0.6	10	10
15	900	1960	9.42	0.58	10	10
20	900	1960	9.67	0.33	10	10
LTE Band 4						
10	2175	2132.5	9.13	0.87	10	10
15	2175	2132.5	9.32	0.68	10	10
20	2175	2132.5	9.63	0.37	10	10
LTE Band 5						
10	2525	881.5	9.27	0.73	10	10
LTE Band 12						
10	5095	737.5	9.28	0.72	10	10
LTE Band 13						
10	5230	751	9.53	0.47	10	10

LTE Band 25						
10	8640	1990	9.70	0.3	10	10
15	8615	1987.5	9.33	0.67	10	10
20	8590	1985	9.45	0.55	10	10

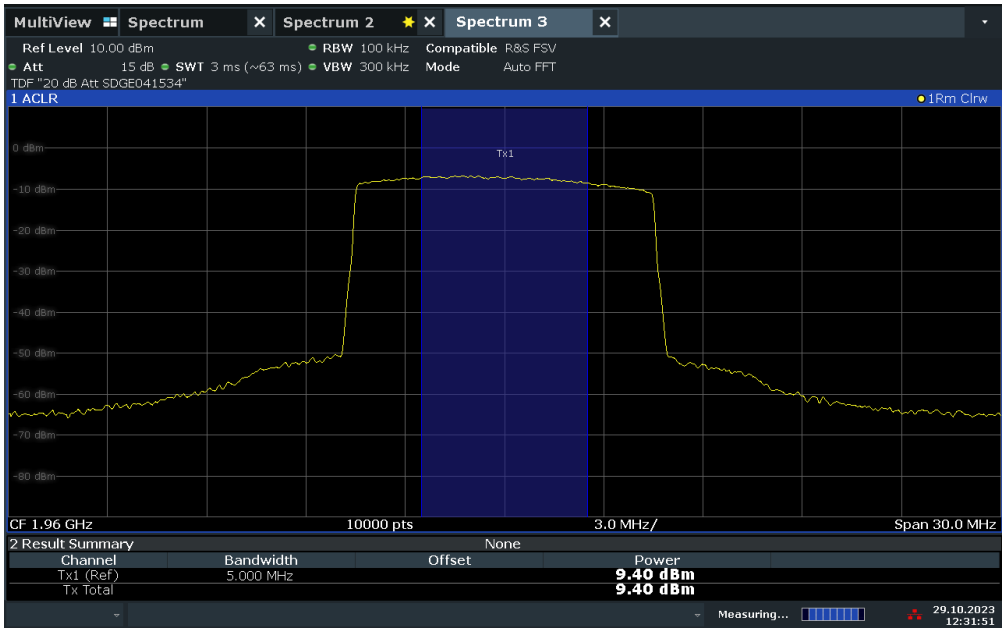
2 Bands/port worst case configuration (Downlink)				
Ant Port	**Band/Bandwidth/Channel**	**Frequency (MHz)**	**Average Power (dBm)**	**Peak Power (dBm)**
Server Port	LTE B2 Low Ch 20MHz & LTE B4 High Ch 20MHz	1940 + 2120	15.52	25.84
	LTE B2 Low Ch 20MHz & LTE B5 Low Ch 10MHz	1940 + 874	15.6	25.51
	LTE B2 Low Ch 20MHz & LTE B12 Low Ch 10MHz	1940 +734	15.5	25.57
	LTE B2 Low Ch 20MHz & LTE B13 Mid Ch 10MHz	1940 + 751	15.63	25.46
	LTE B4 High Ch 20MHz & LTE B5 Low Ch 10MHz	2120 + 874	**15.72**	**25.71**
	LTE B4 High Ch 20MHz & LTE B12 Low Ch 10MHz	2120 + 734	15.64	25.61
	LTE B4 High Ch 20MHz & LTE B13 Mid Ch 10MHz	2145 + 751	15.68	15.82
	LTE B5 Low Ch 10MHz & LTE B12 Low Ch 10MHz	874 + 734	14.08	24.61
	LTE B5 Low Ch 10MHz & LTE B13 Mid Ch 10MHz	874 + 751	14.9	24.64

2 Bands/port worst case configuration (Uplink)				
Ant Port	**Band/Bandwidth/Channel**	**Frequency (MHz)**	**Average Power (dBm)**	**Peak Power (dBm)**
Donnor Port	LTE B2 High Ch 10MHz & LTE B4 High Ch 15MHz	1905 + 1747.5	23.68	32.19
	LTE B2 High Ch 10MHz & LTE B5 High Ch 5MHz	1905 + 846.5	22.84	31.22
	LTE B2 High Ch 10MHz & LTE B12 Mid Ch 10MHz	1905 + 707.5	22.84	31.22
	LTE B2 High Ch 10MHz & LTE B13 Low Ch 5MHz	1905 + 779.5	22.84	31.22
	LTE B4 High Ch 15MHz & LTE B5 High Ch 5MHz	1747.5 + 846.5	**23.68**	**32.19**
	LTE B4 High Ch 15MHz & LTE B12 Mid Ch 10MHz	1747.5 + 707.5	23.68	32.19
	LTE B4 High Ch 15MHz & LTE B13 Low Ch 5MHz	1747.5 + 779.5	23.68	32.19
	LTE B5 High Ch 5MHz & LTE B12 Mid Ch 10MHz	846.5 + 707.5	21.41	30.70
	LTE B5 High Ch 5MHz & LTE B13 Low Ch 5MHz	846.5 + 779.5	21.30	30.56

2.3.10 Test Results (Conducted Power)

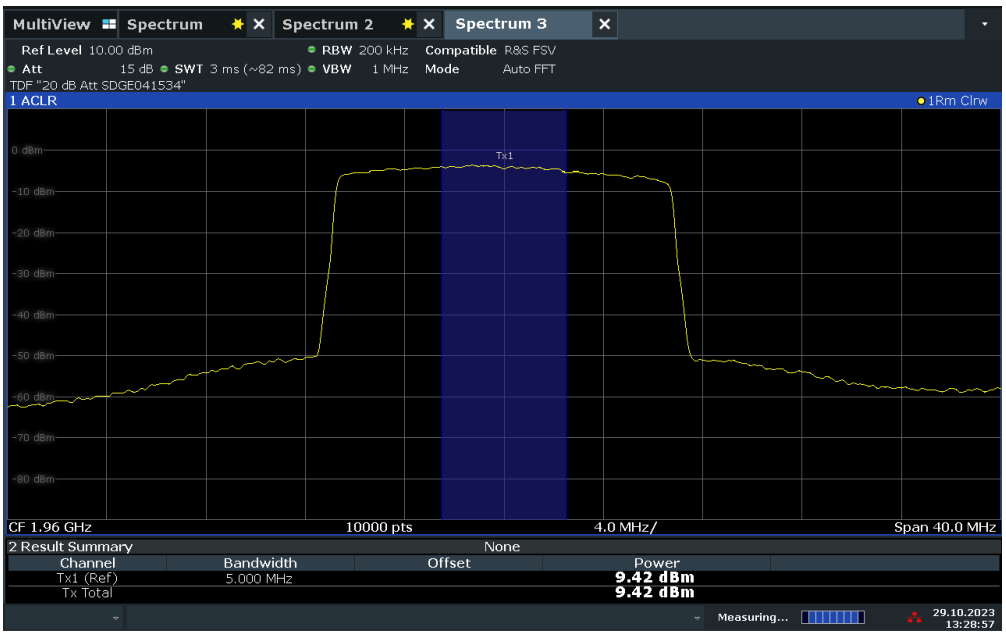


LTE Band 2 Downlink 5 MHz Bandwidth Middle Channel



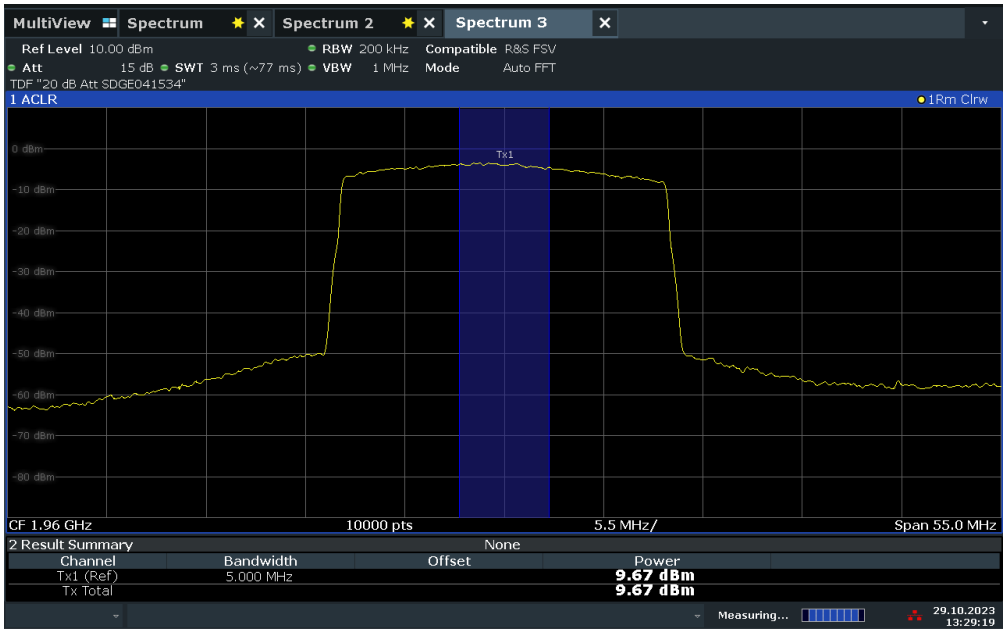
12:31:52 29.10.2023

LTE Band 2 Downlink 10dBm/5MHz 10 MHz Bandwidth Middle Channel



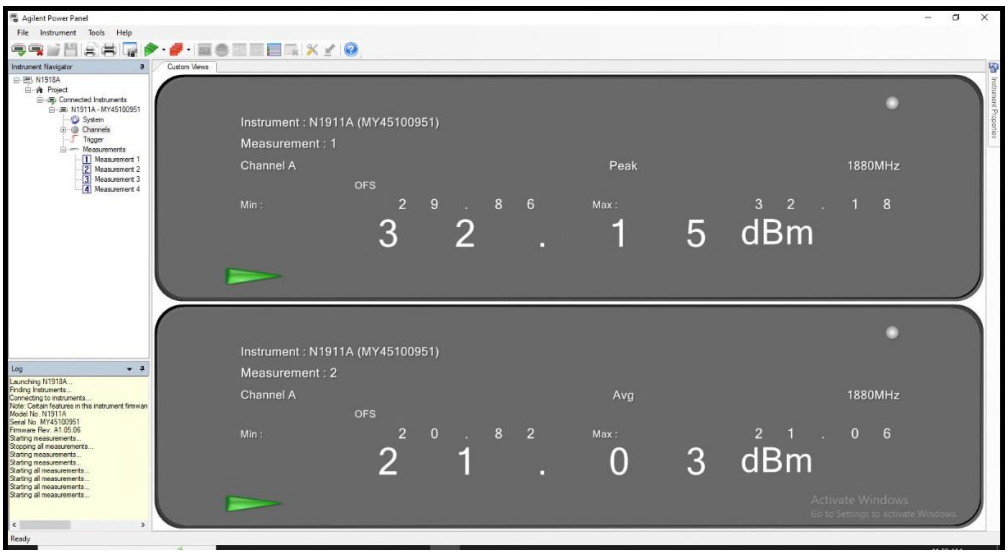
13:28:57 29.10.2023

LTE Band 2 Downlink 10dBm/5MHz 15 MHz Bandwidth Middle Channel

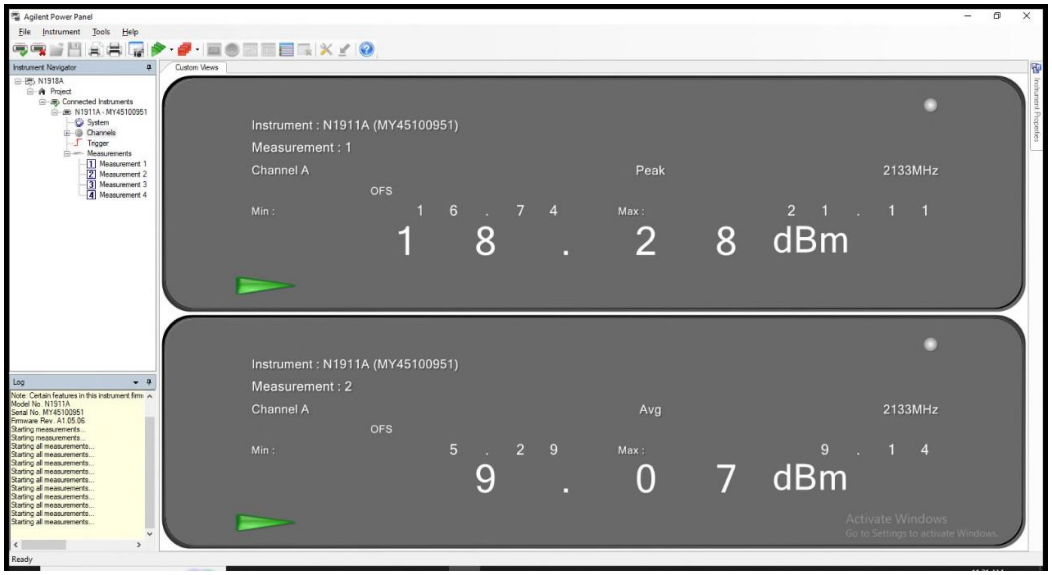


13:29:20 29.10.2023

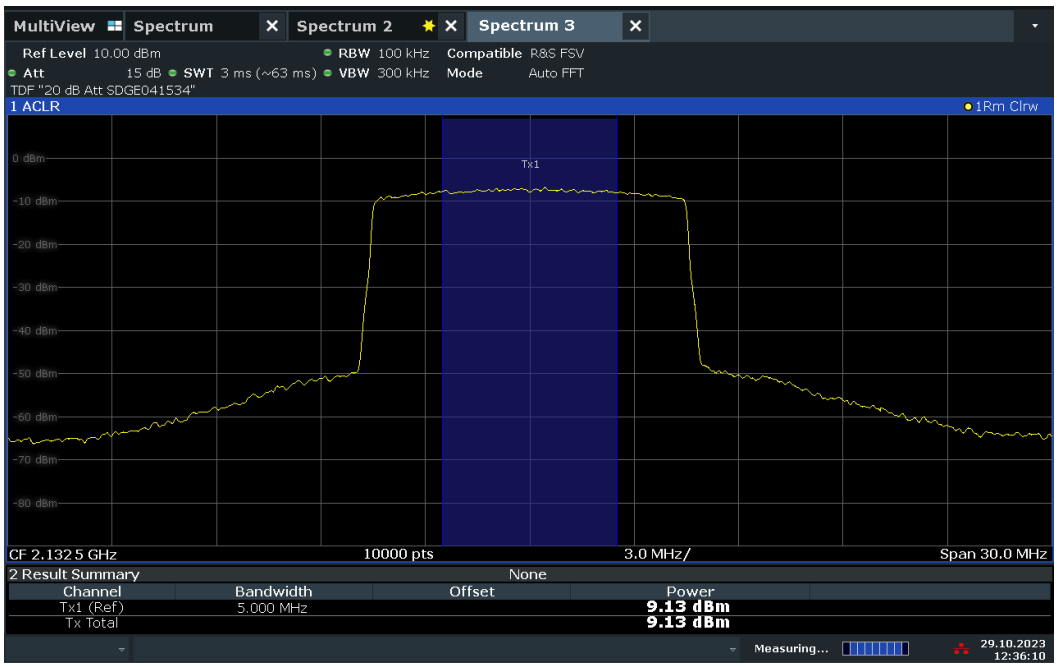
LTE Band 2 Downlink 10dBm/5MHz 20 MHz Bandwidth Middle Channel



LTE Band 2 Uplink 5 MHz Bandwidth Middle Channel

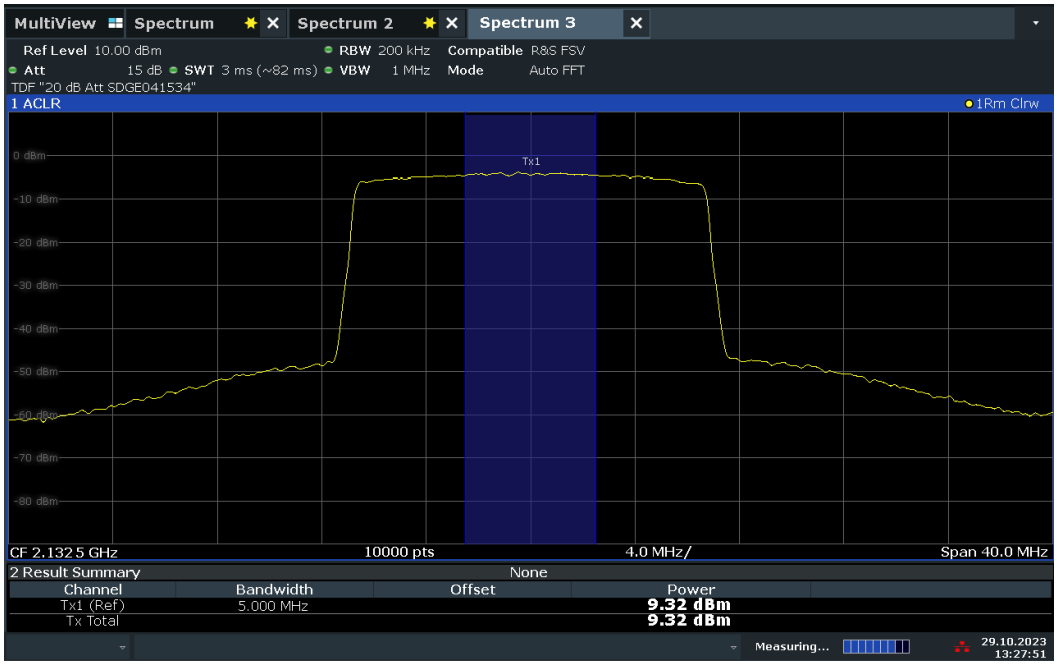


LTE Band 4 Downlink 5 MHz Bandwidth Middle Channel



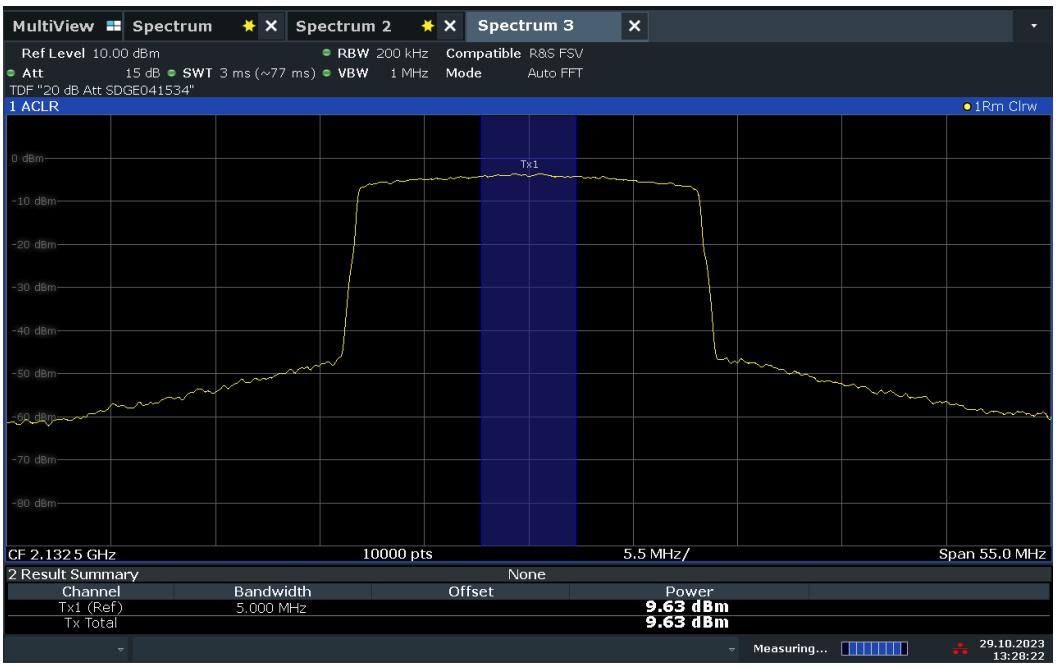
12:36:11 29.10.2023

LTE Band 4 Downlink 10dBm/5MHz 10 MHz Bandwidth Middle Channel



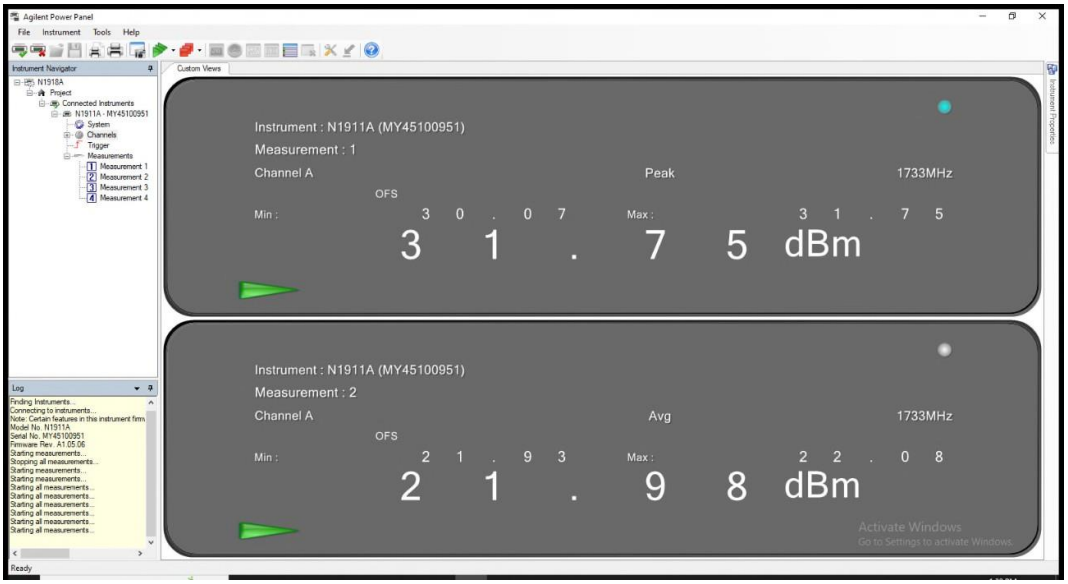
13:27:52 29.10.2023

LTE Band 4 Downlink 10dBm/5MHz 15 MHz Bandwidth Middle Channel

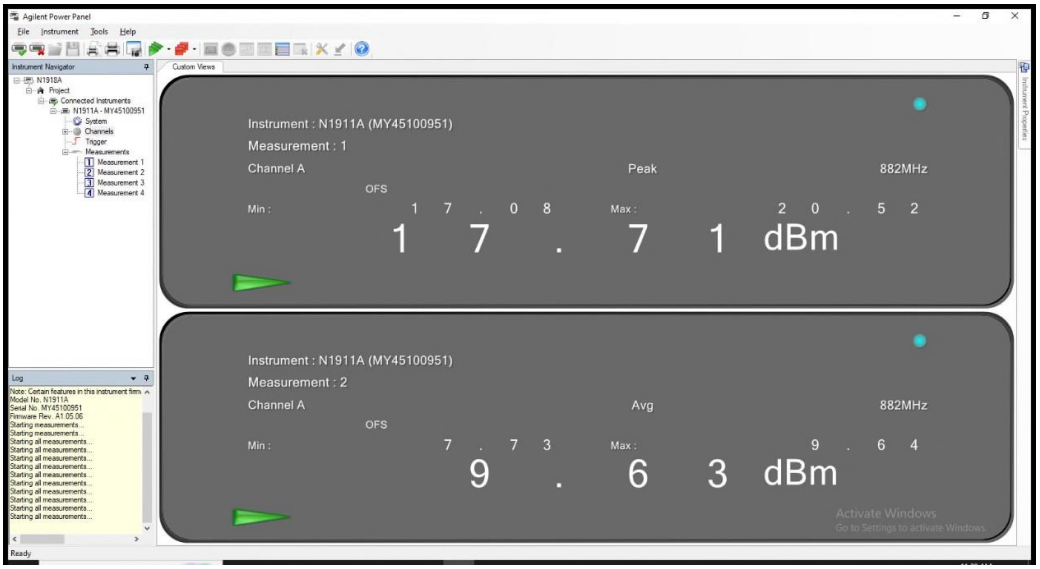


13:28:23 29.10.2023

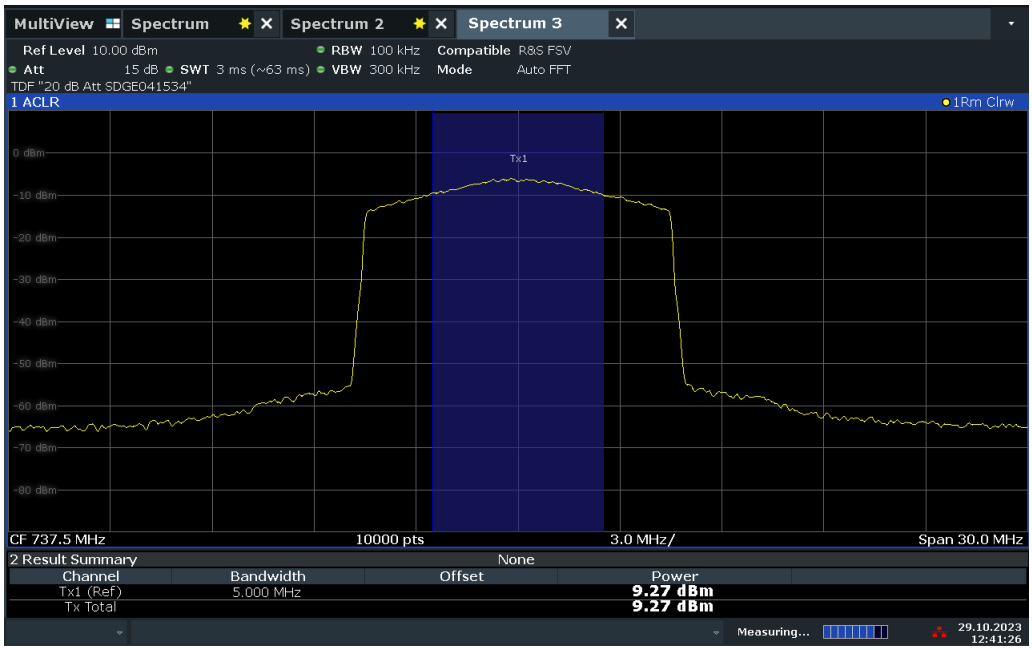
LTE Band 4 Downlink 10dBm/5MHz 20 MHz Bandwidth Middle Channel



LTE Band 4 Uplink 5 MHz Bandwidth Middle Channel

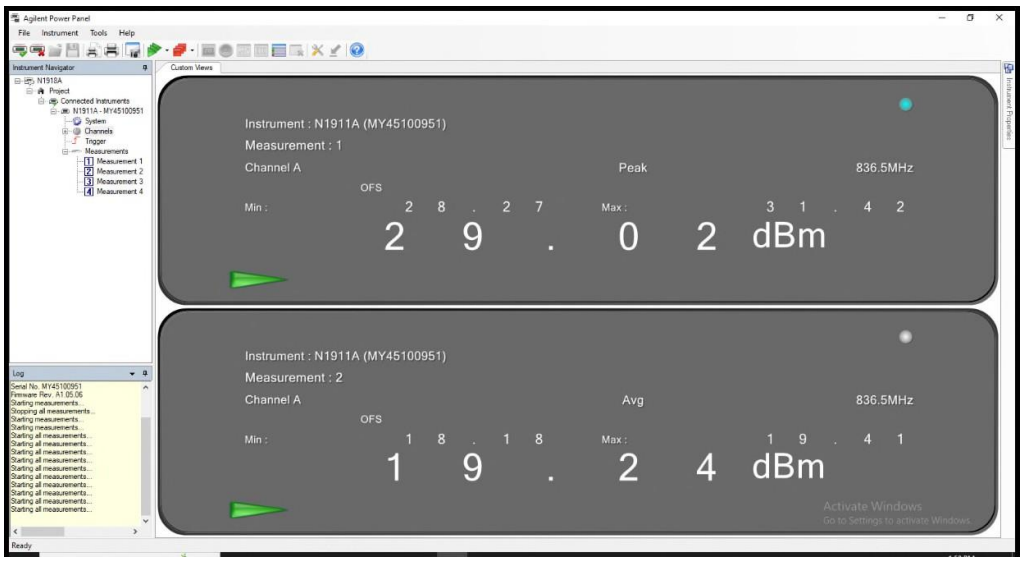


LTE Band 5 Downlink 5 MHz Bandwidth Middle Channel

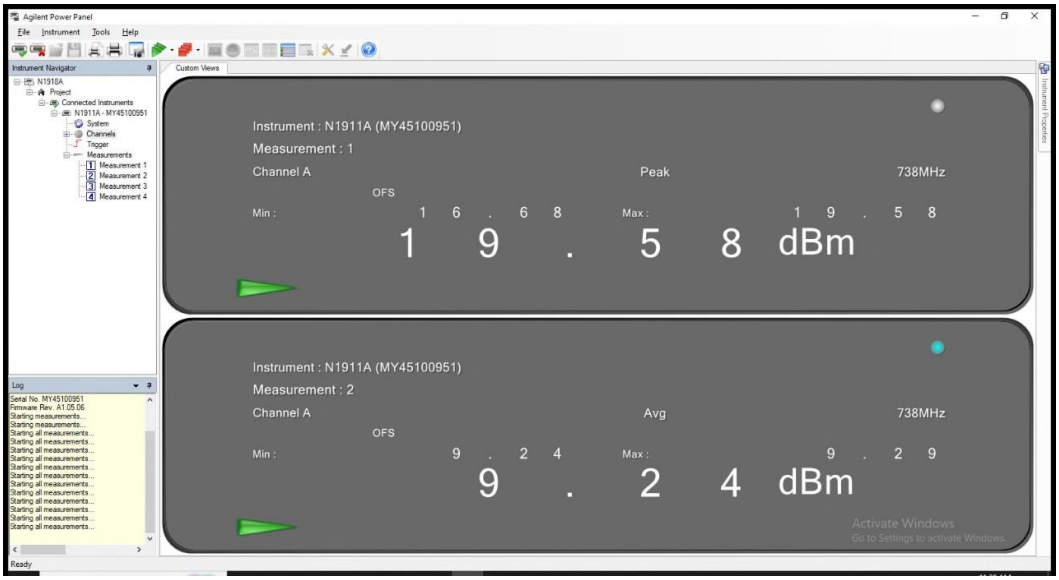


12:41:27 29.10.2023

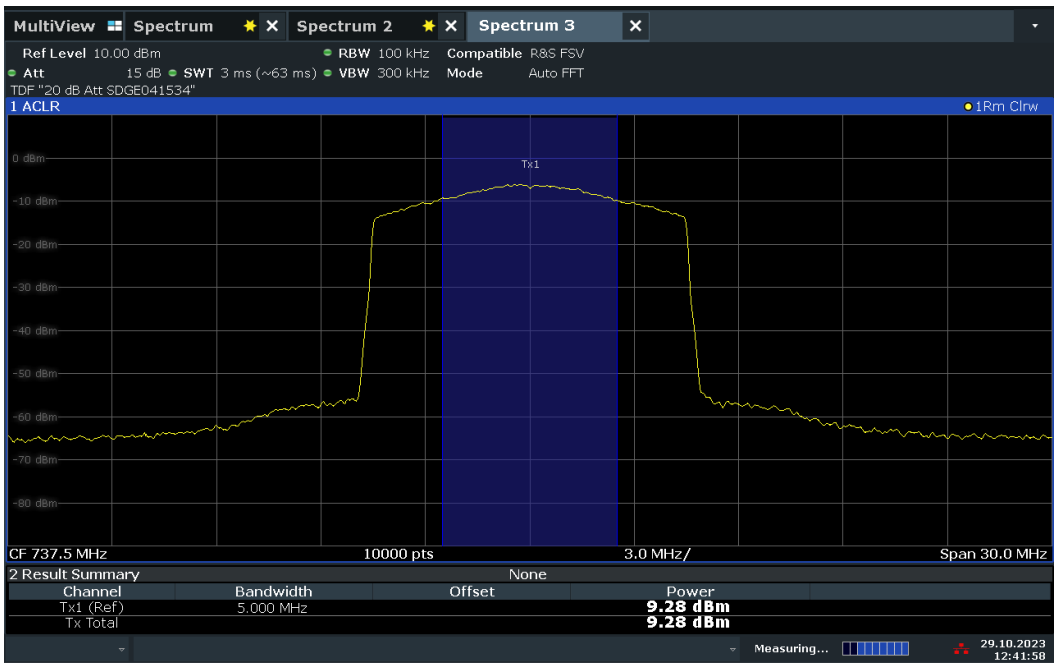
LTE Band 5 Downlink 10dBm/5MHz 10 MHz Bandwidth Middle Channel



LTE Band 5 Uplink 5 MHz Bandwidth Middle Channel

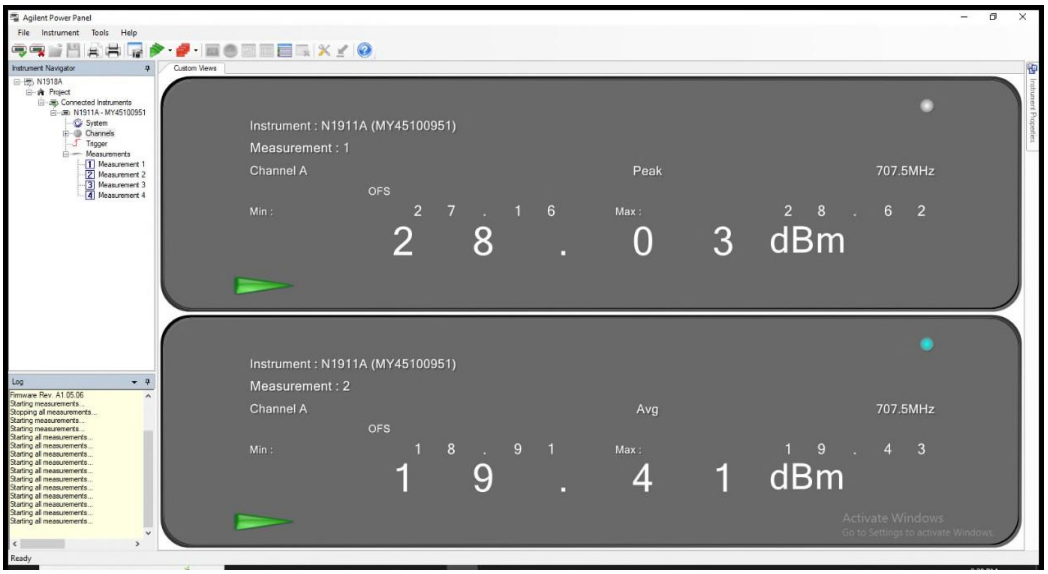


LTE Band 12 Downlink 5 MHz Bandwidth Middle Channel

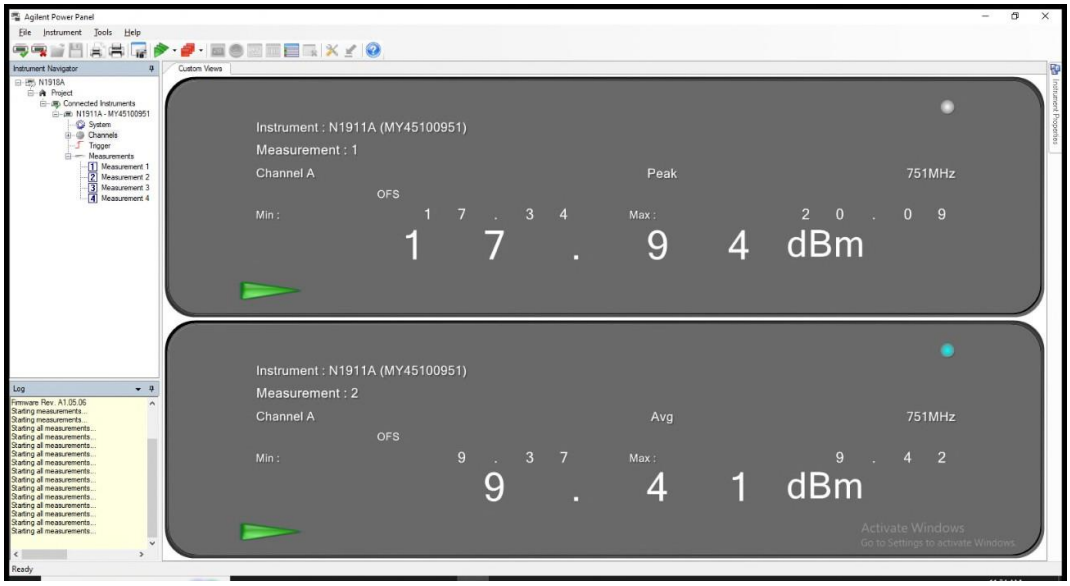


12:41:58 29.10.2023

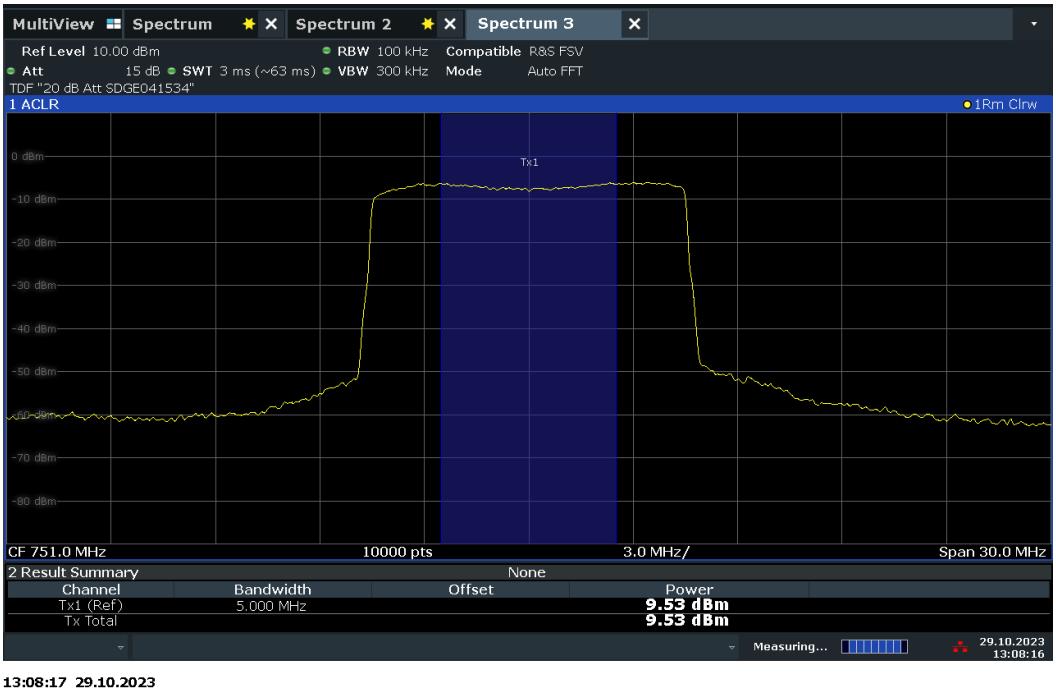
LTE Band 12 Downlink 10dBm/5MHz 10 MHz Bandwidth Middle Channel



LTE Band 12 Uplink 5 MHz Bandwidth Middle Channel

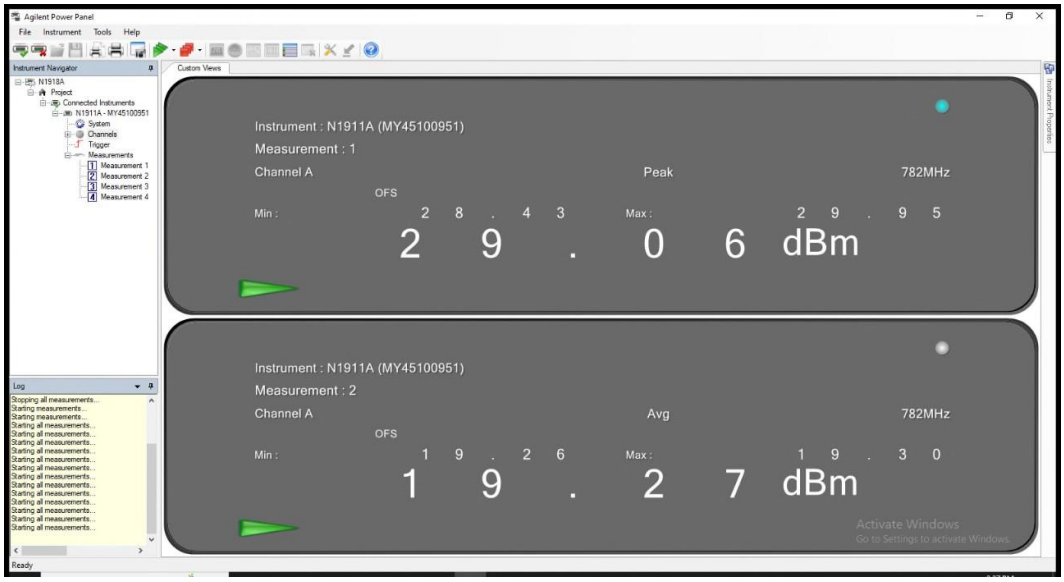


LTE Band 13 Downlink 5 MHz Bandwidth Middle Channel

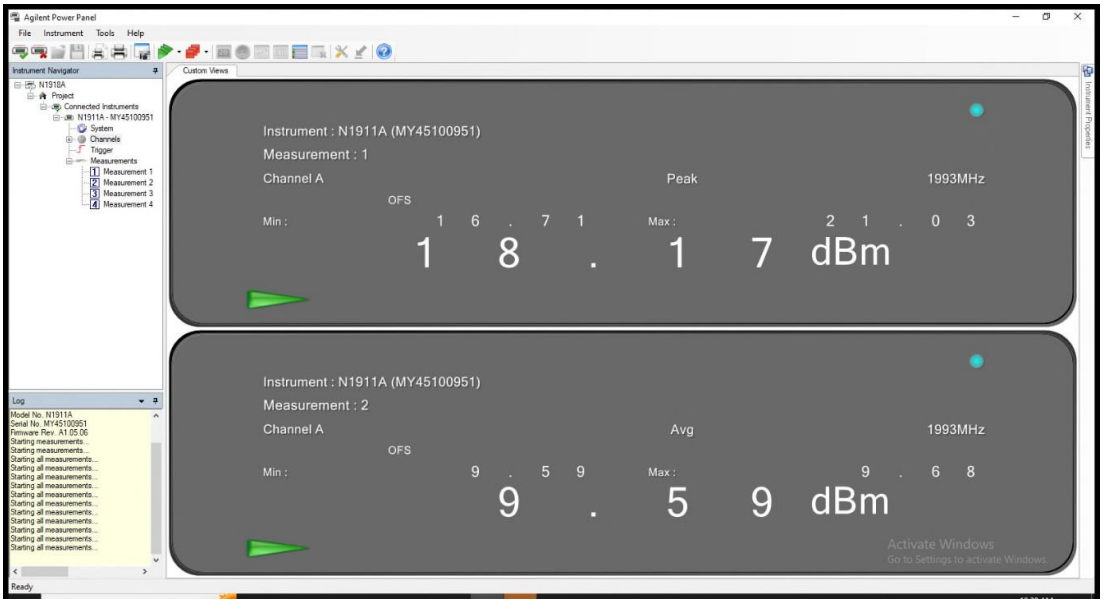


13:08:17 29.10.2023

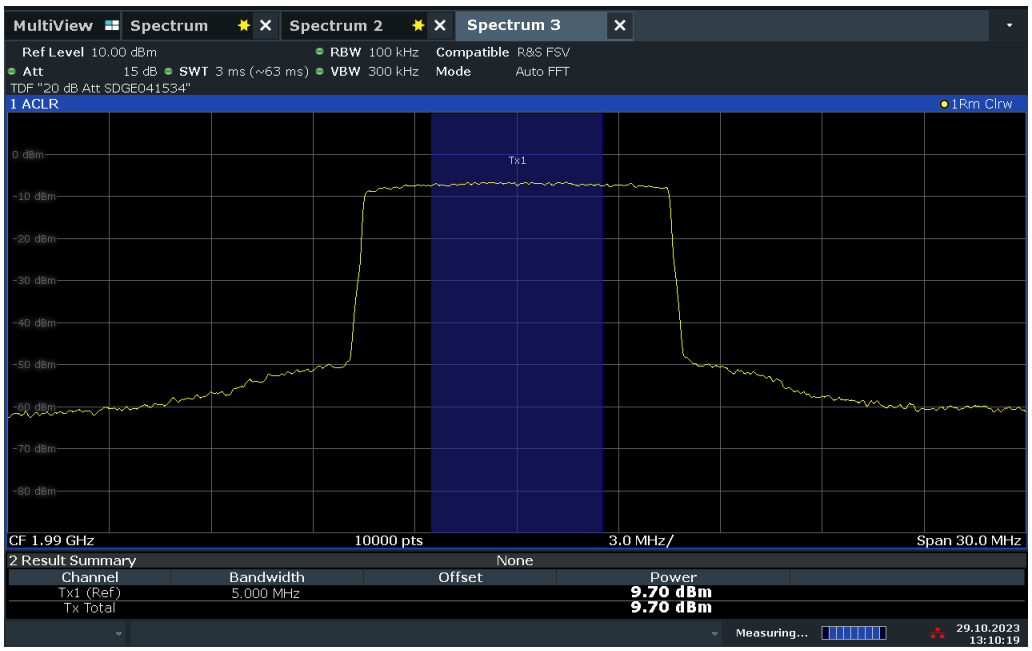
LTE Band 13 Downlink 10dBm/5MHz 10 MHz Bandwidth Middle Channel



LTE Band 13 Uplink 5 MHz Bandwidth Middle Channel

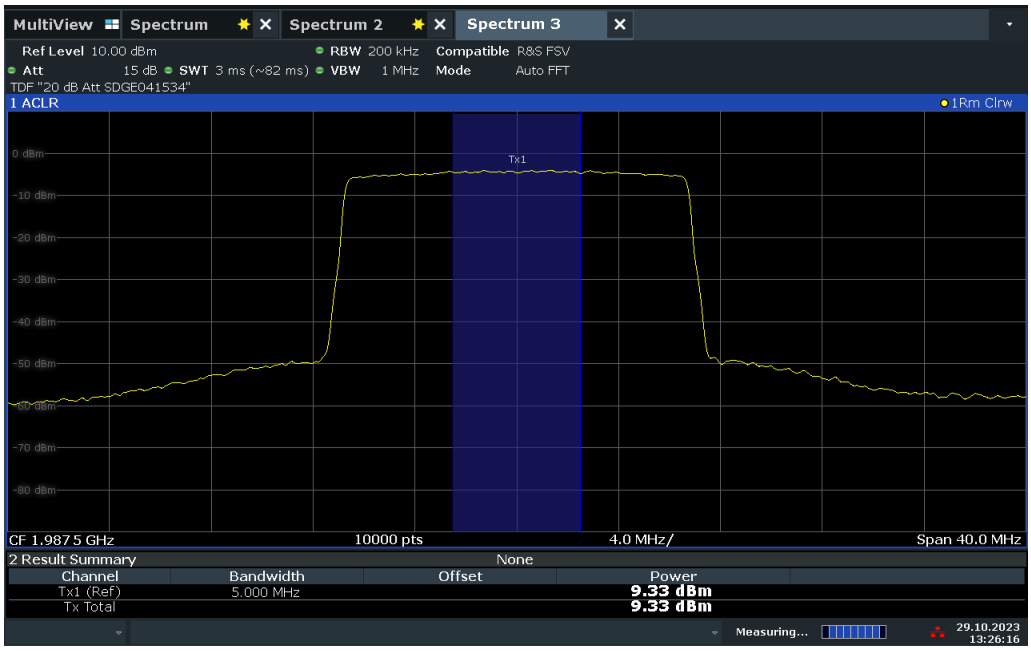


LTE Band 25 Downlink 5 MHz Bandwidth High Channel



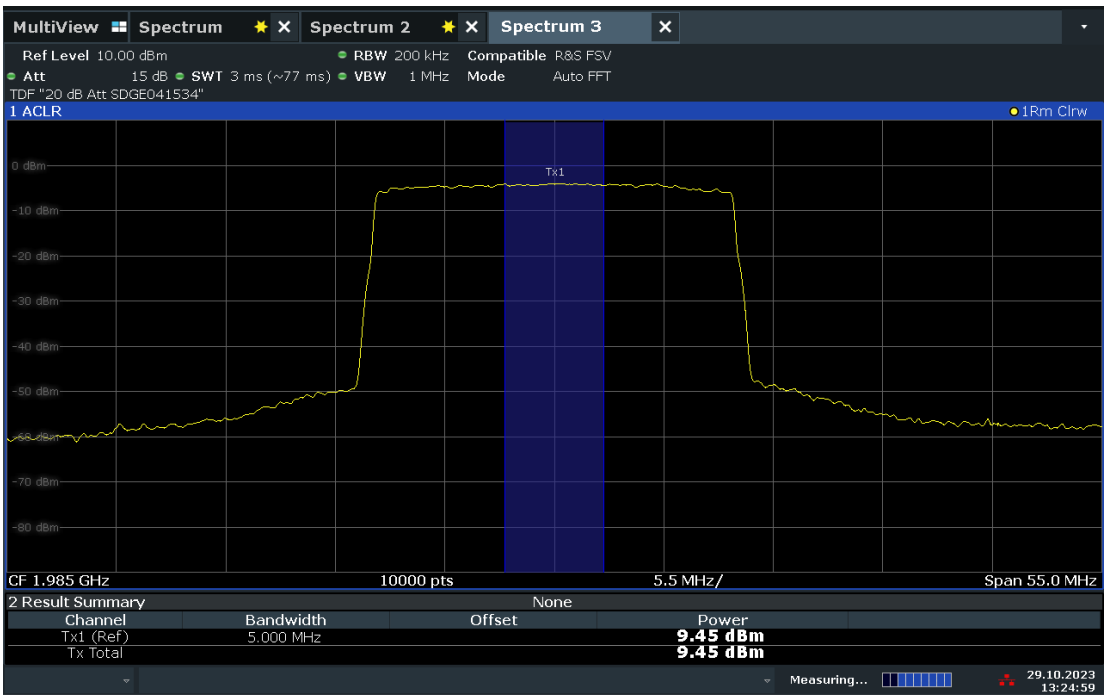
13:10:19 29.10.2023

LTE Band 25 Downlink 10dBm/5MHz 10 MHz Bandwidth Middle Channel



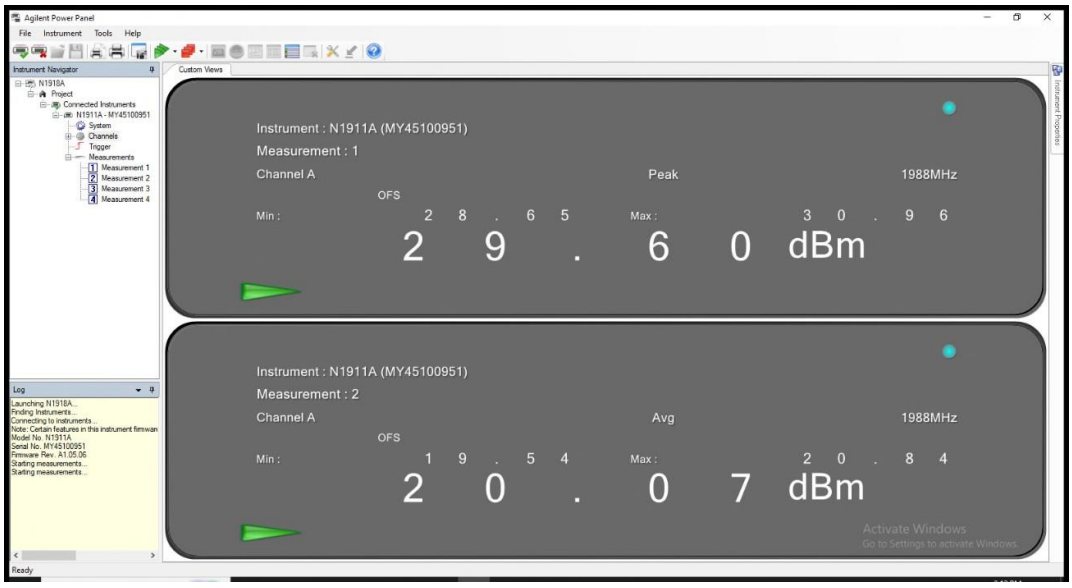
13:26:17 29.10.2023

LTE Band 25 Downlink 10dBm/5MHz 15 MHz Bandwidth Middle Channel



13:25:00 29.10.2023

LTE Band 25 Downlink 10dBm/5MHz 20 MHz Bandwidth Middle Channel



LTE Band 25 Uplink 5 MHz Bandwidth High Channel

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: 560311000026/ Test Configuration A and B

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

August 04, 2023/ MARG

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

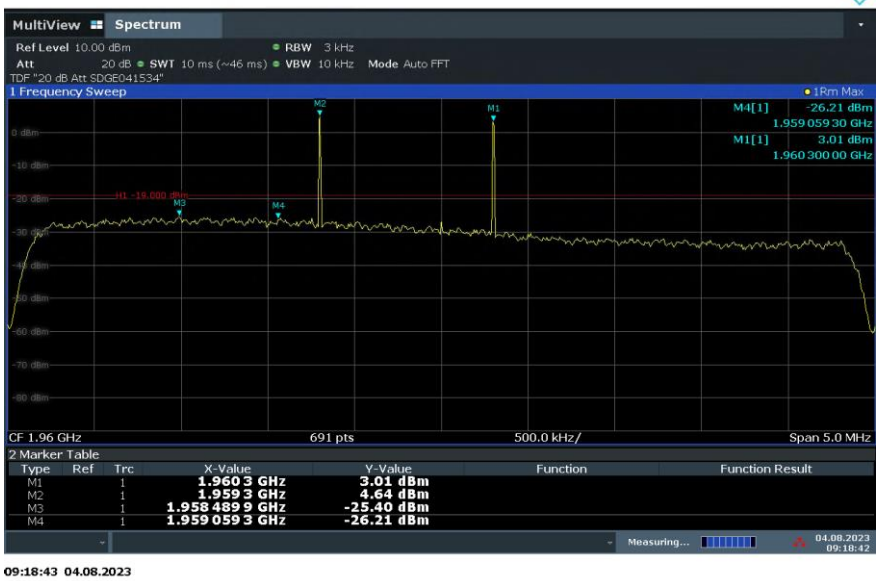
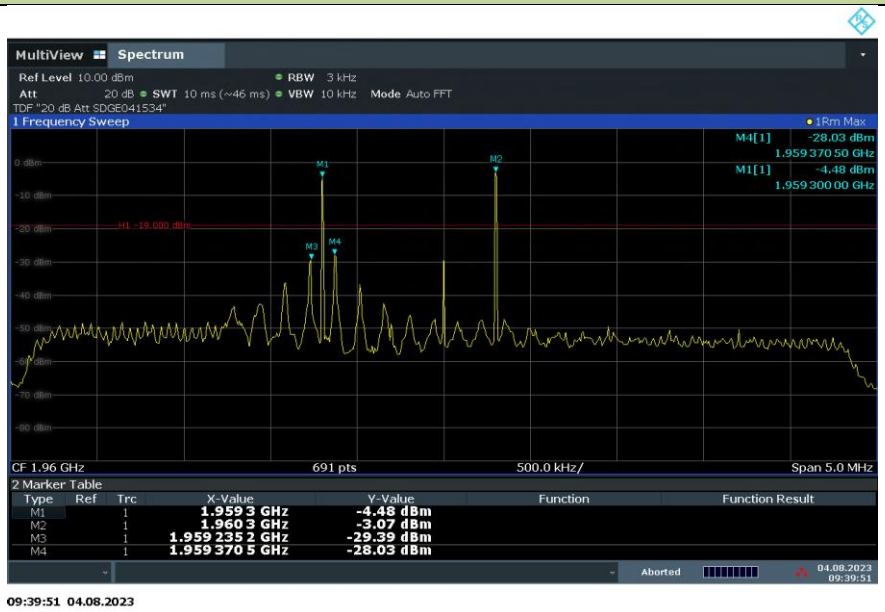
Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	26.3°C
Relative Humidity	53.3%
ATM Pressure	99.0kPa

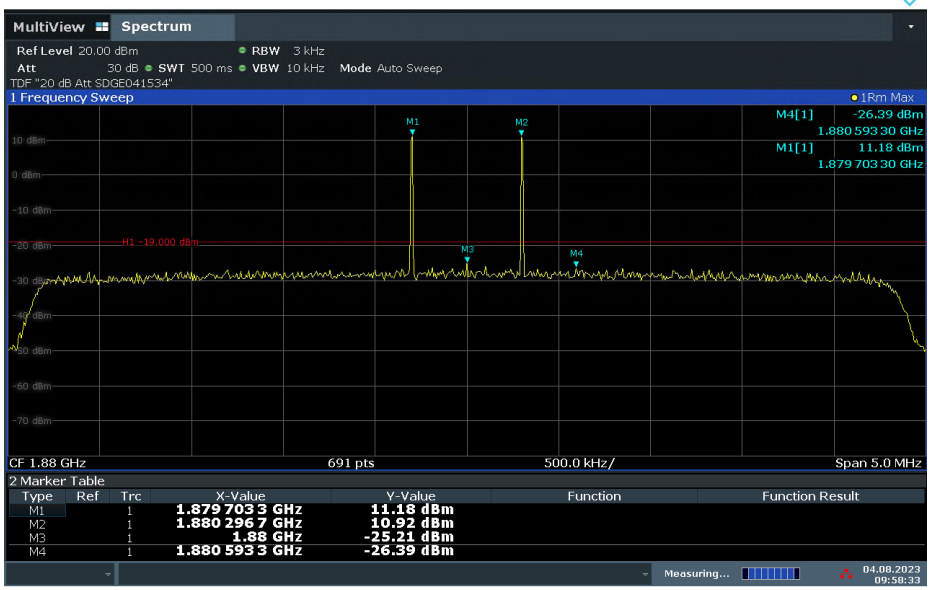
2.4.7 Additional Observations

- 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).
- The transducer factor (TDF) used is from the external attenuators and cables used.
- Setup the EUT according to Figure 5 of Section 7.4 of KDB935210.
- Evaluations are conducted at antenna ports.
- Operational uplink and downlink bands for LTE Band 2, 4, 5, 12, 13, 25 were tested.
- Per Client request only High Channel was tested for Band 25
- Only test plots for middle channel presented as the representative configuration except for Band 25.

2.4.8 Test Results

LTE Band 2 Downlink (-82.5)
 Note: The spurious above the limit are the injected CW signals, not inter-modulation products.
LTE Band 2 Downlink (-72.5 dBm)
 Note: The spurious above the limit are the injected CW signals, not inter-modulation products.

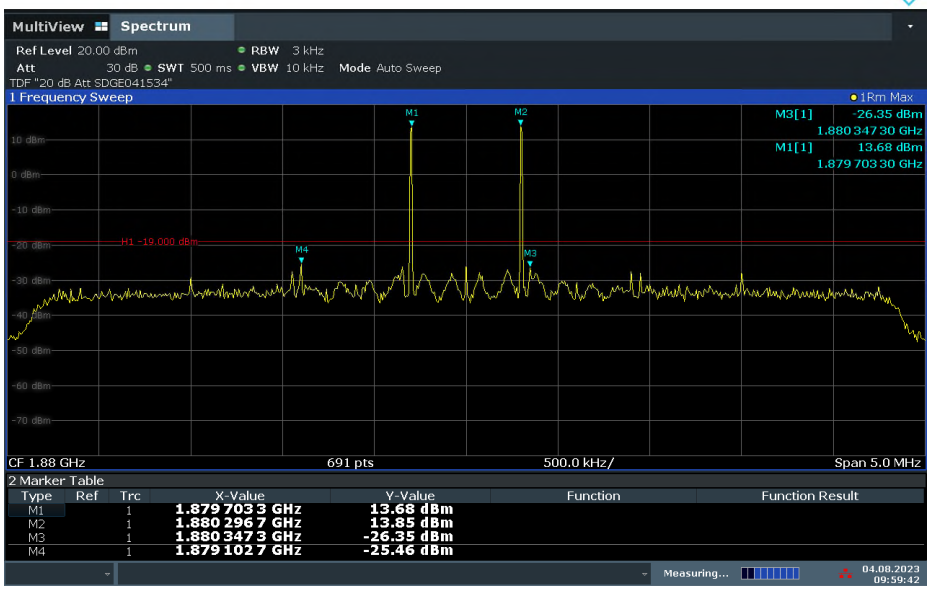
LTE Band 2 Uplink (-77.5 dBm)



09:58:34 04.08.2023

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

LTE Band 2 Uplink (-67.5 dBm)



09:59:42 04.08.2023

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