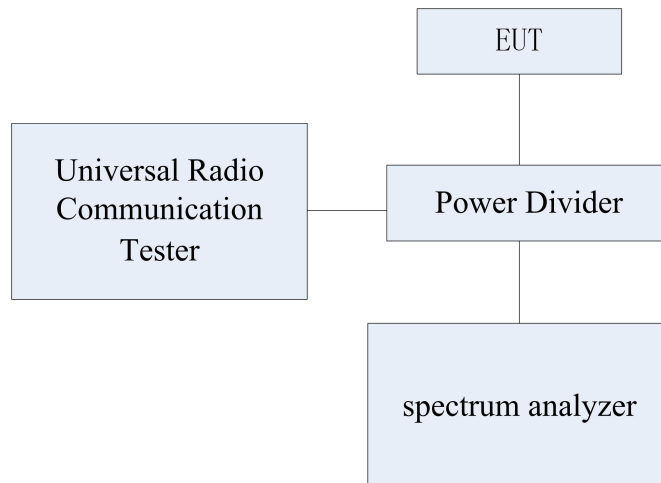


**Test Method:**

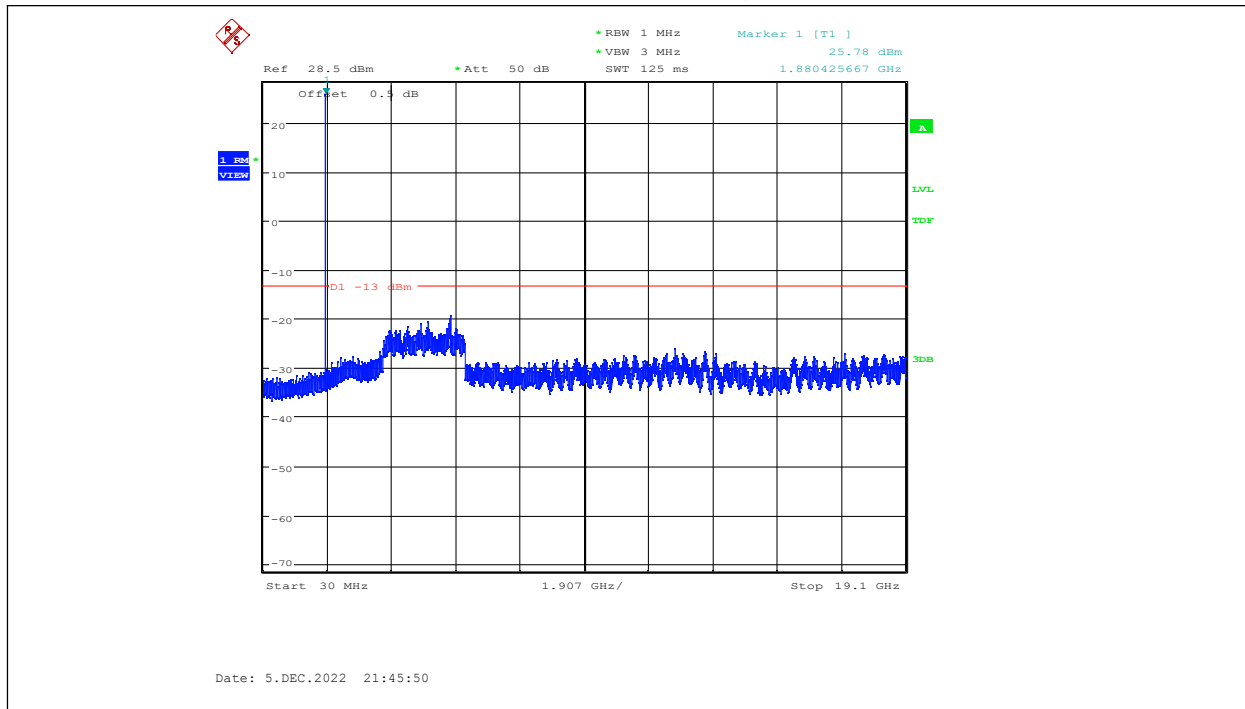
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-Band emissions, if any, up to 10th harmonic. The EUT was scanned for spurious emissions from 30MHz to 20GHz with sufficient Bandwidth and video resolution. The spectrum analyzer was set to Maximum hold mode to ensure that the worst-case emissions were captured.

Note: The following test results are the worst case selected in each bandwidth of each frequency band

6.5.1 Conducted Spurious Emission Results

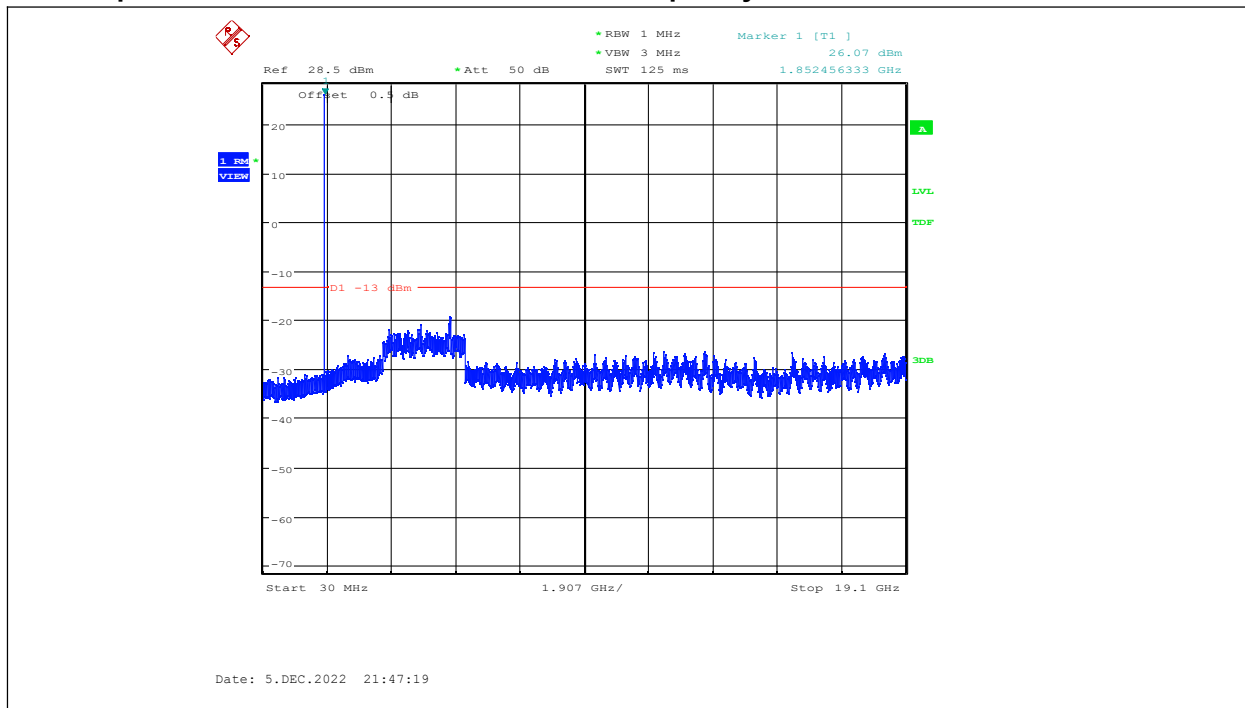
LTE band 2-1.4MHz-QPSK-MID

NOTE: peak above the limit line is the carrier frequency.



LTE band 2-3MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

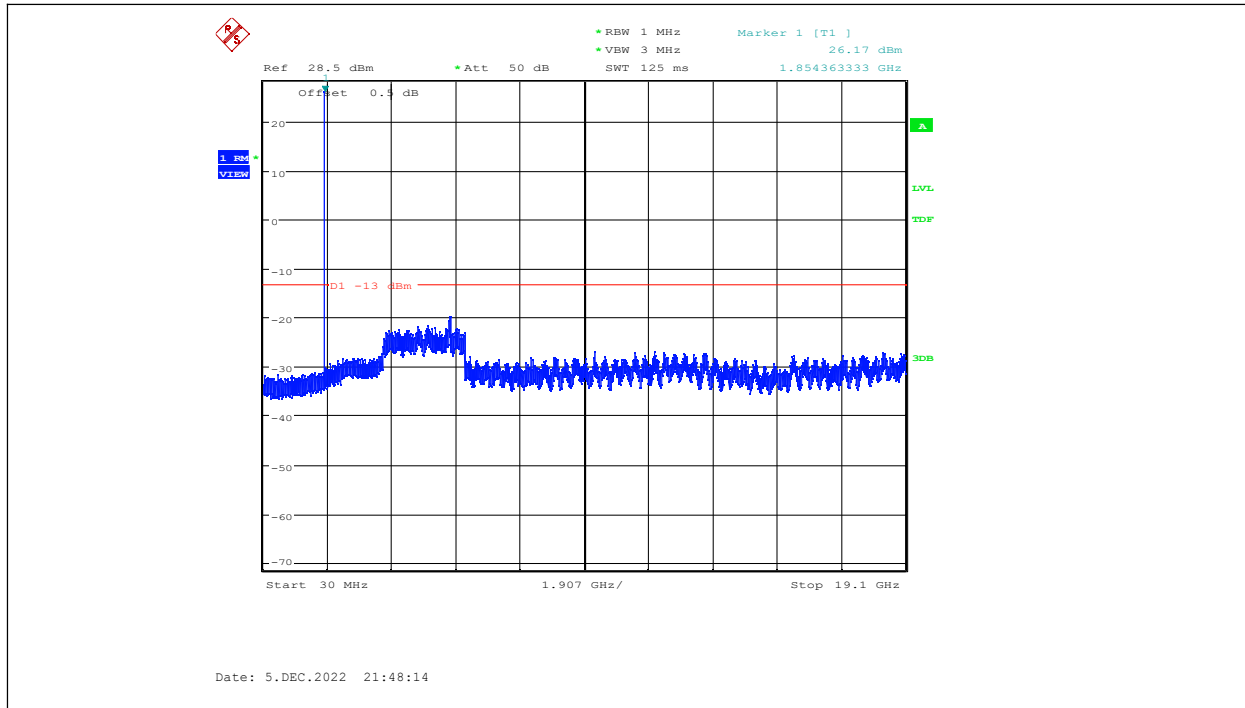


LTE band 2-5MHz-QPSK-LOW

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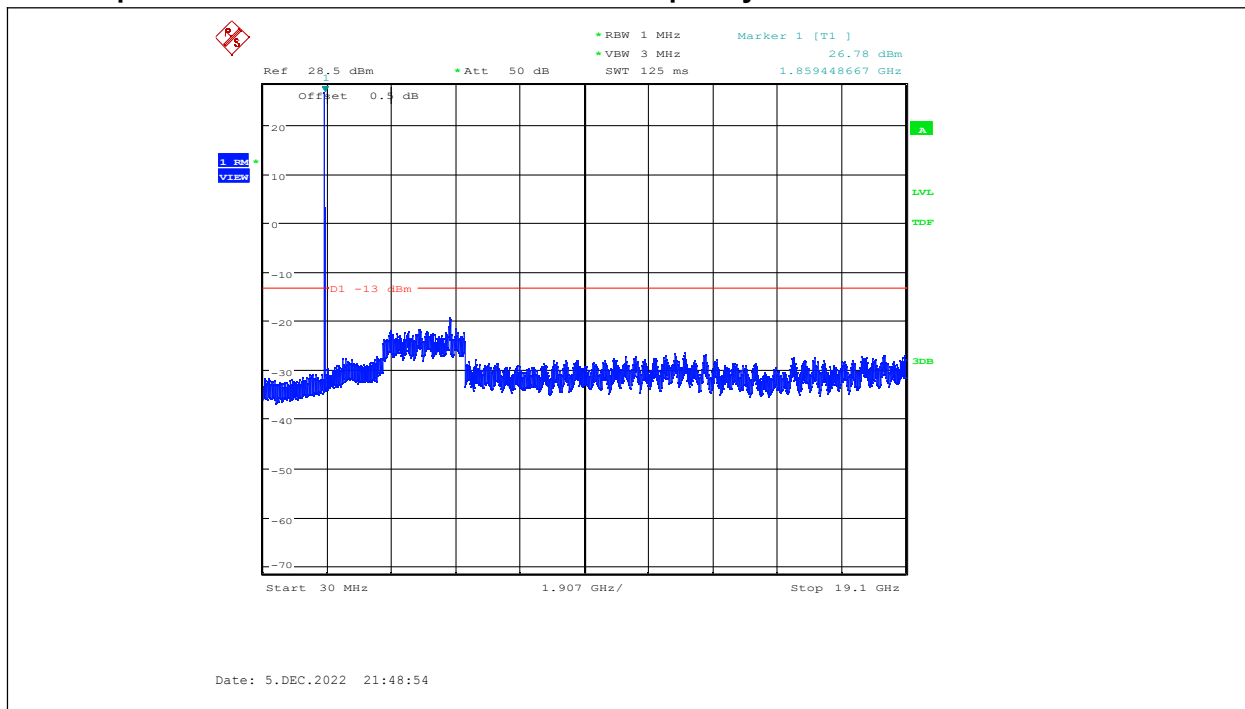
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NOTE: peak above the limit line is the carrier frequency.



LTE band 2-10MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

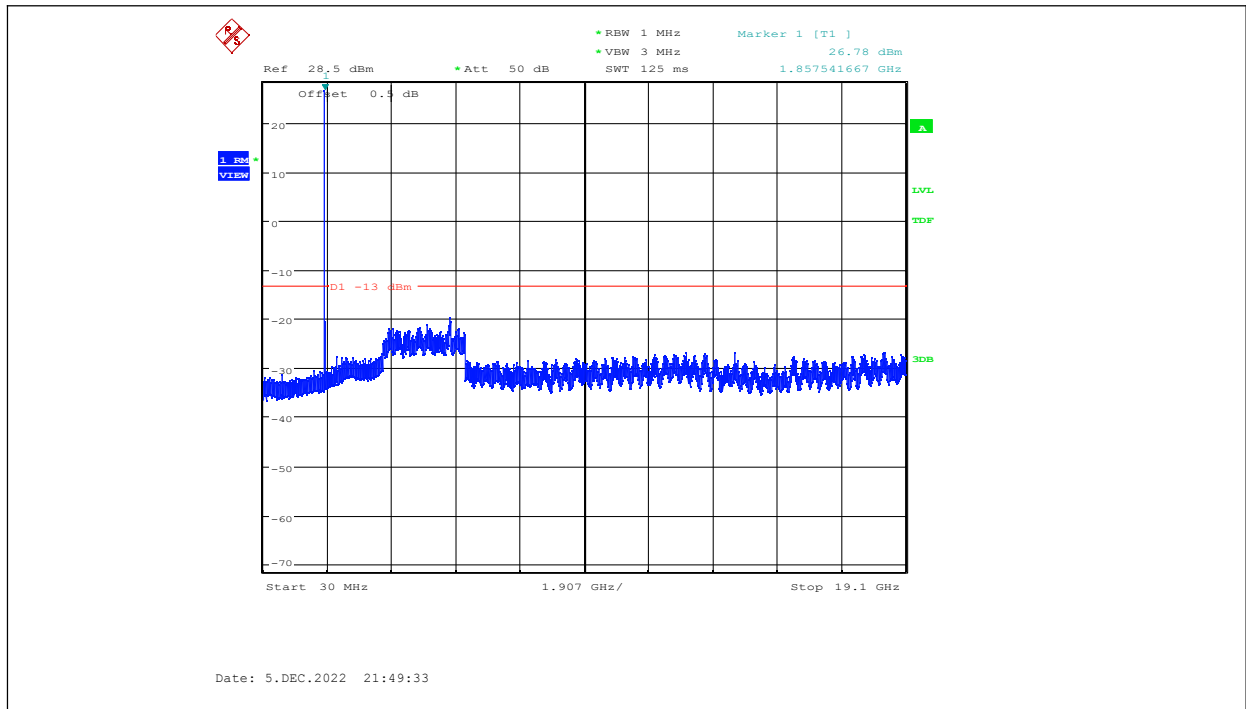


LTE band 2-15MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

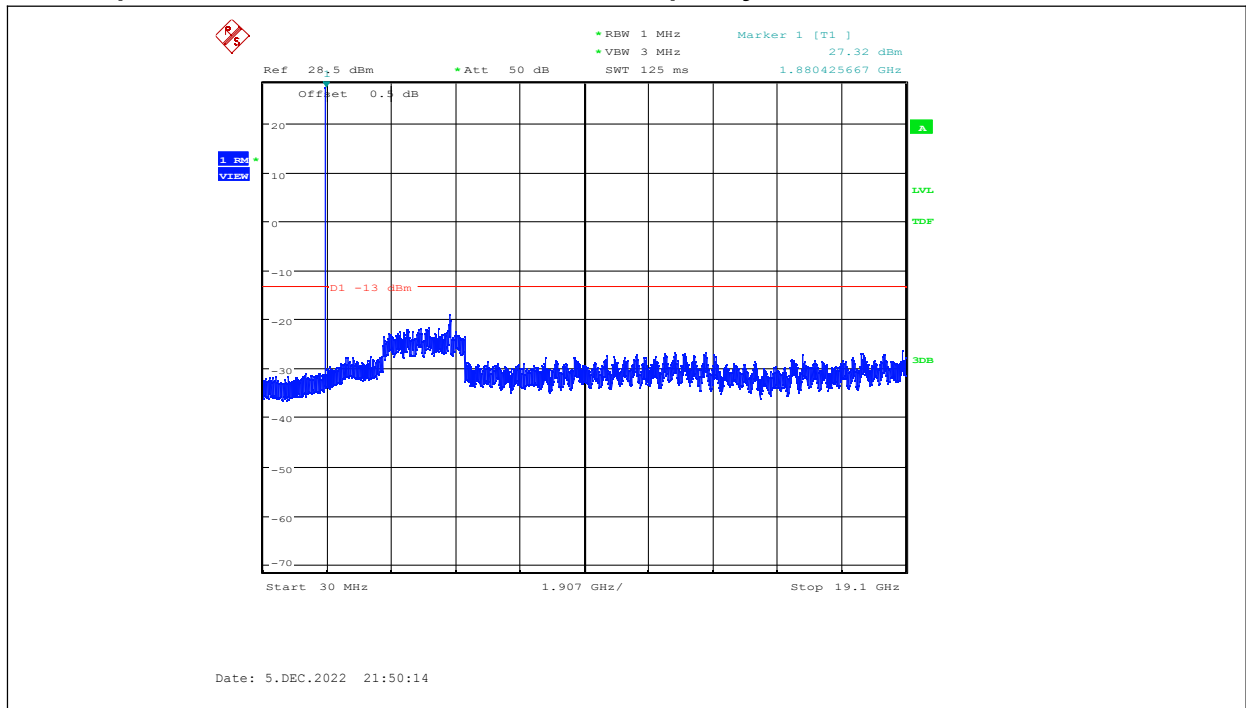
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LTE band 2-20MHz-QPSK-MID

NOTE: peak above the limit line is the carrier frequency.

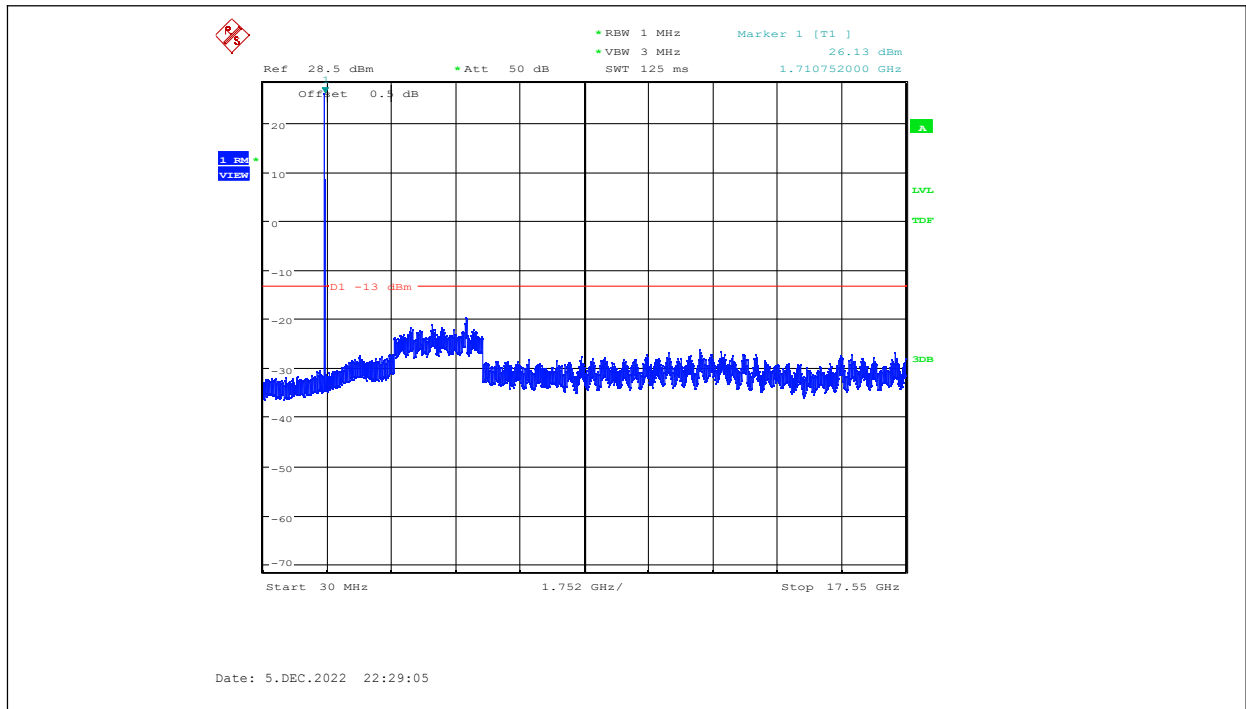


LTE band 4-1.4MHz-16QAM-LOW

NOTE: peak above the limit line is the carrier frequency.

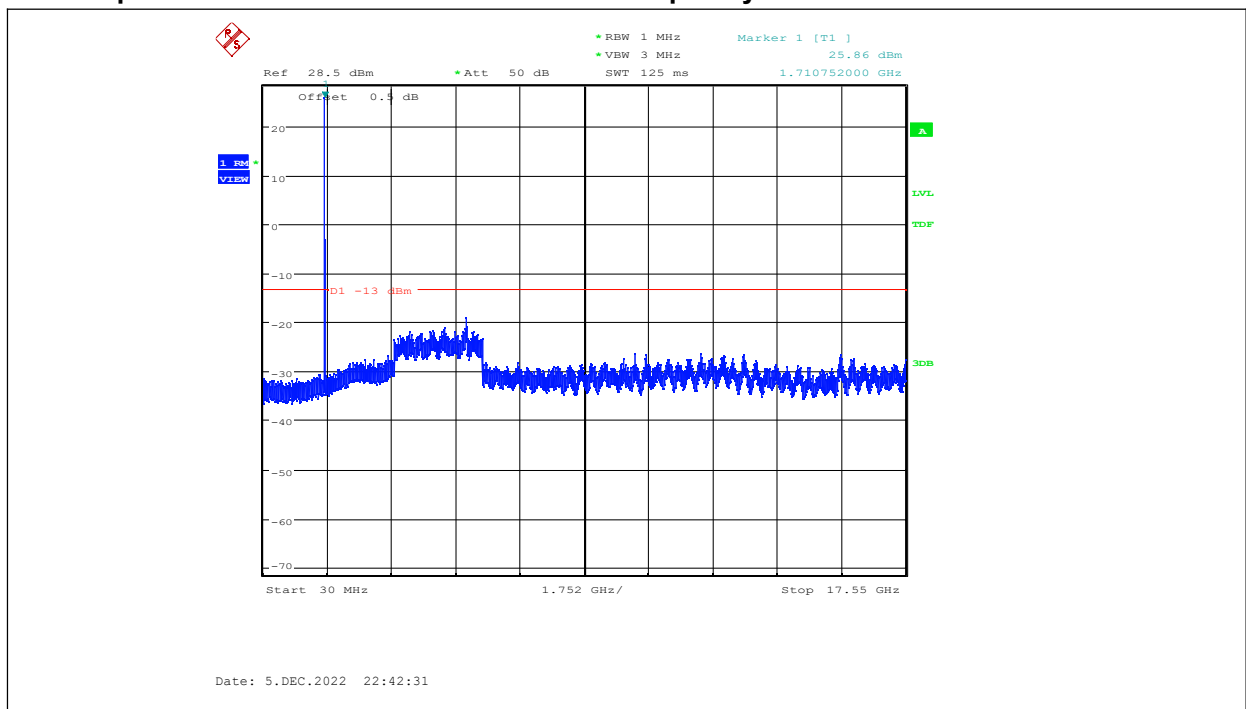
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LTE band 4-3MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

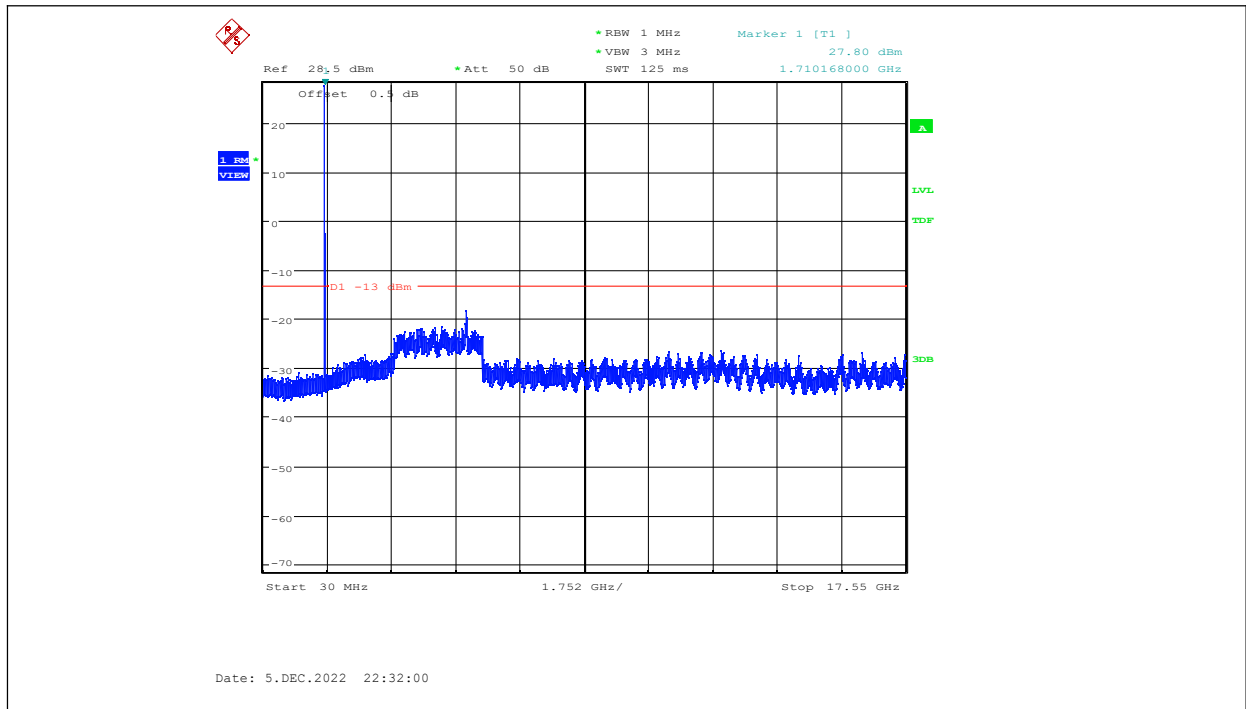


LTE band 4-5MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

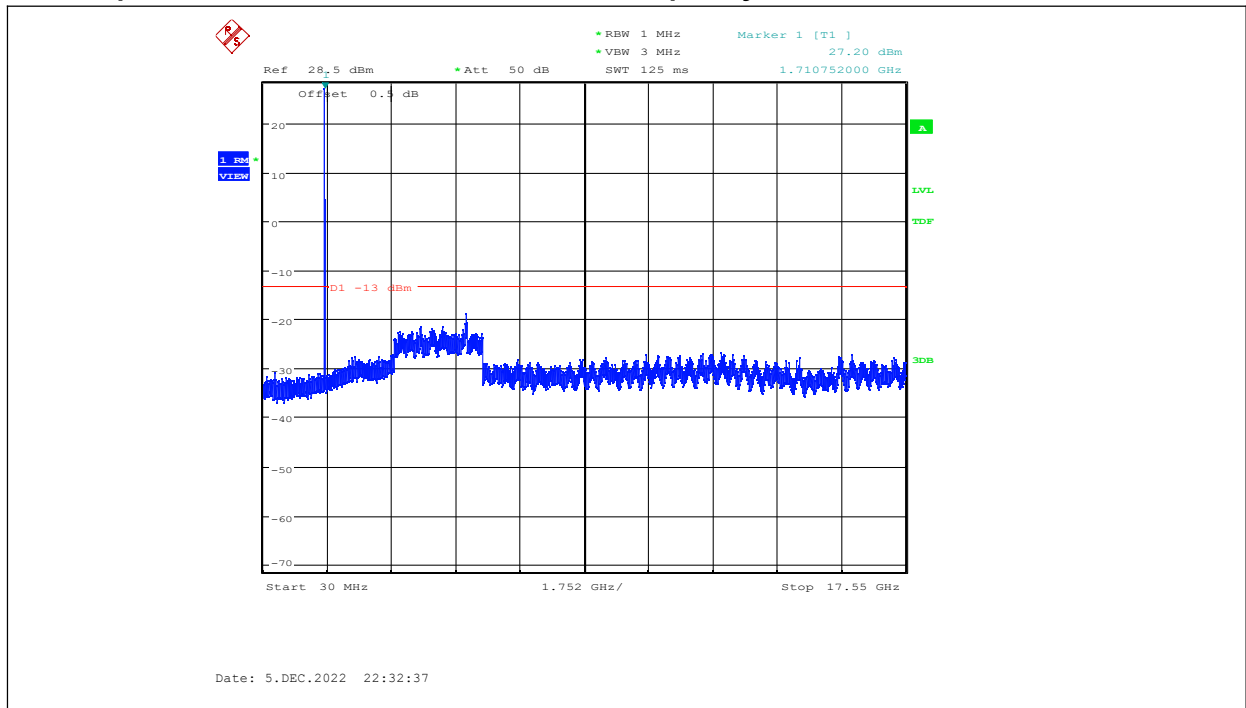
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LTE band 4-10MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

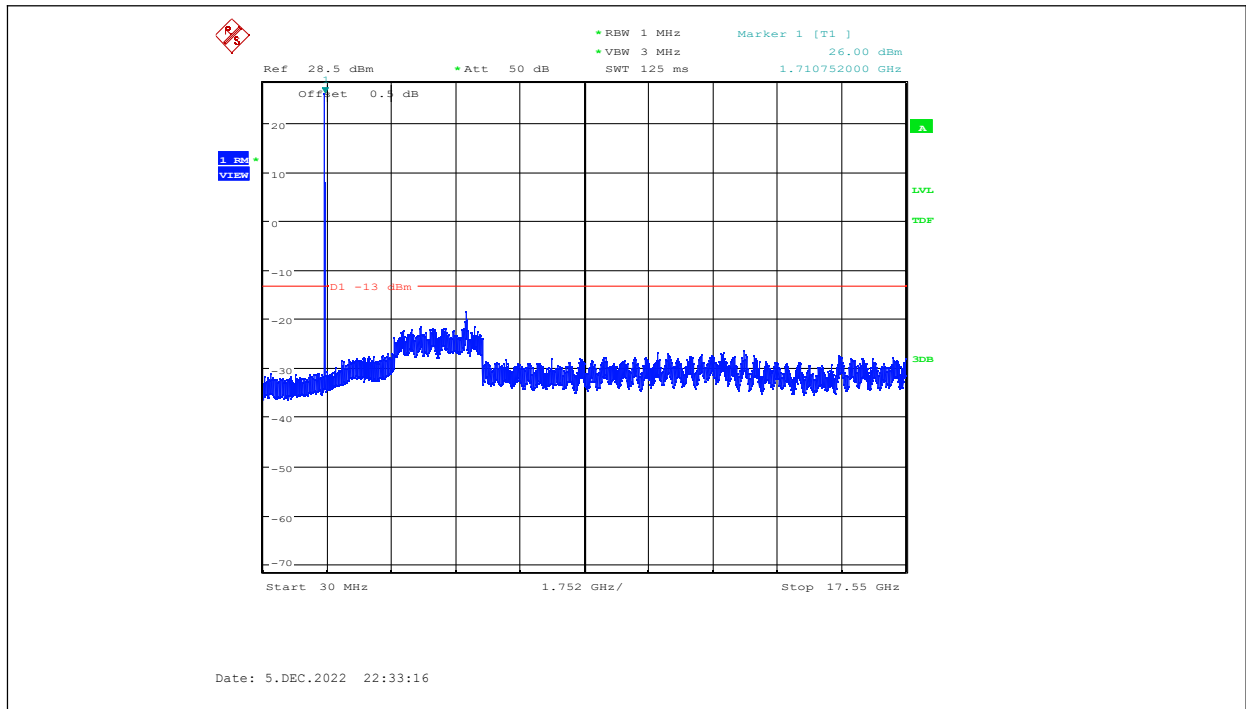


LTE band 4-15MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

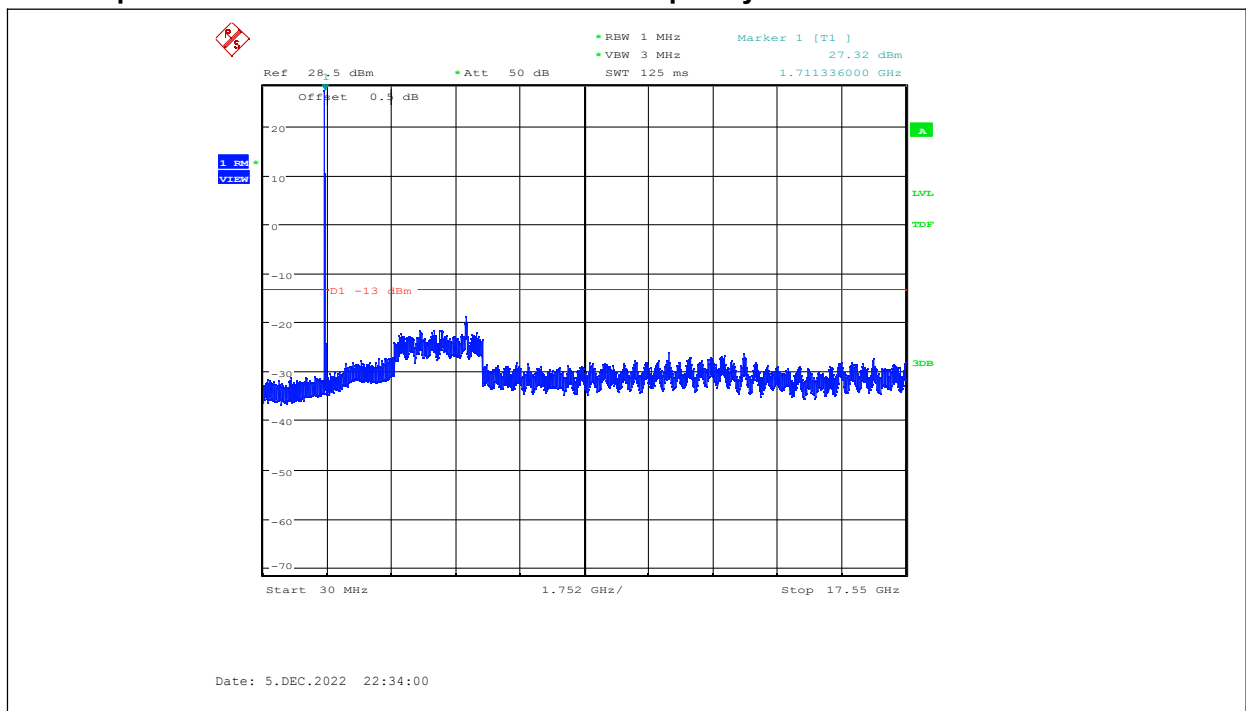
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LTE band 4-20MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

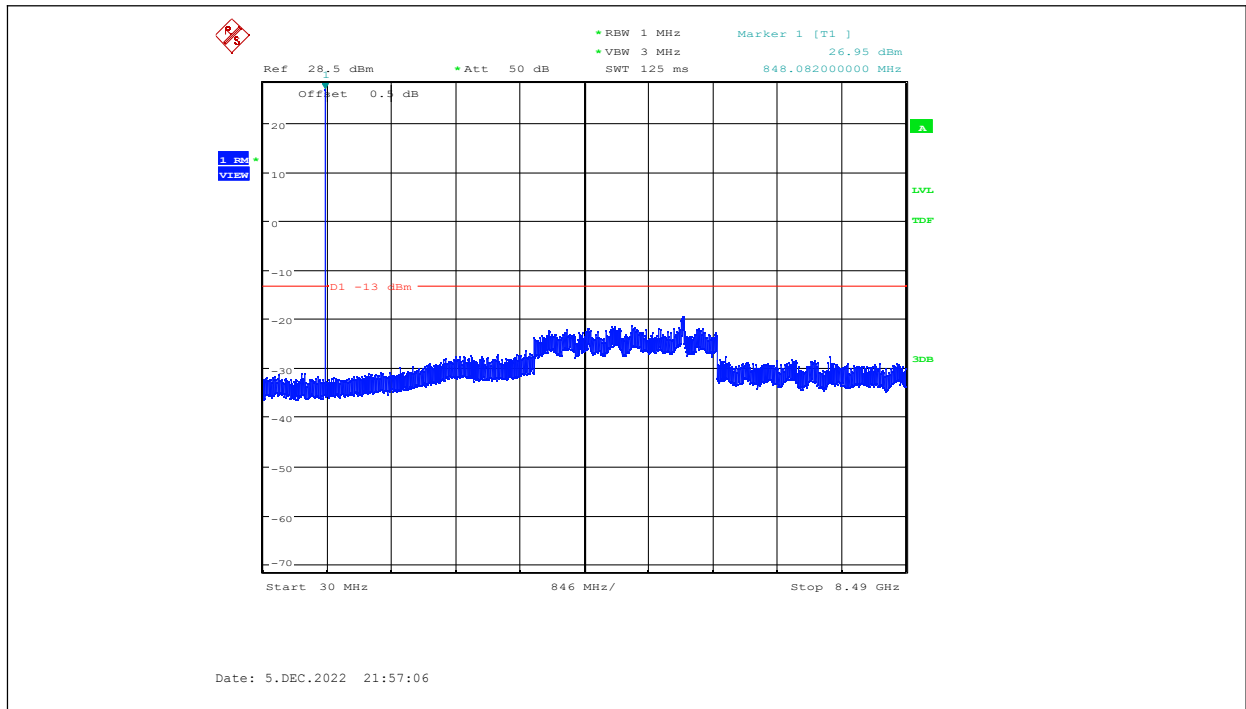


LTE band 5-1.4MHz-QPSK-HIGH

NOTE: peak above the limit line is the carrier frequency.

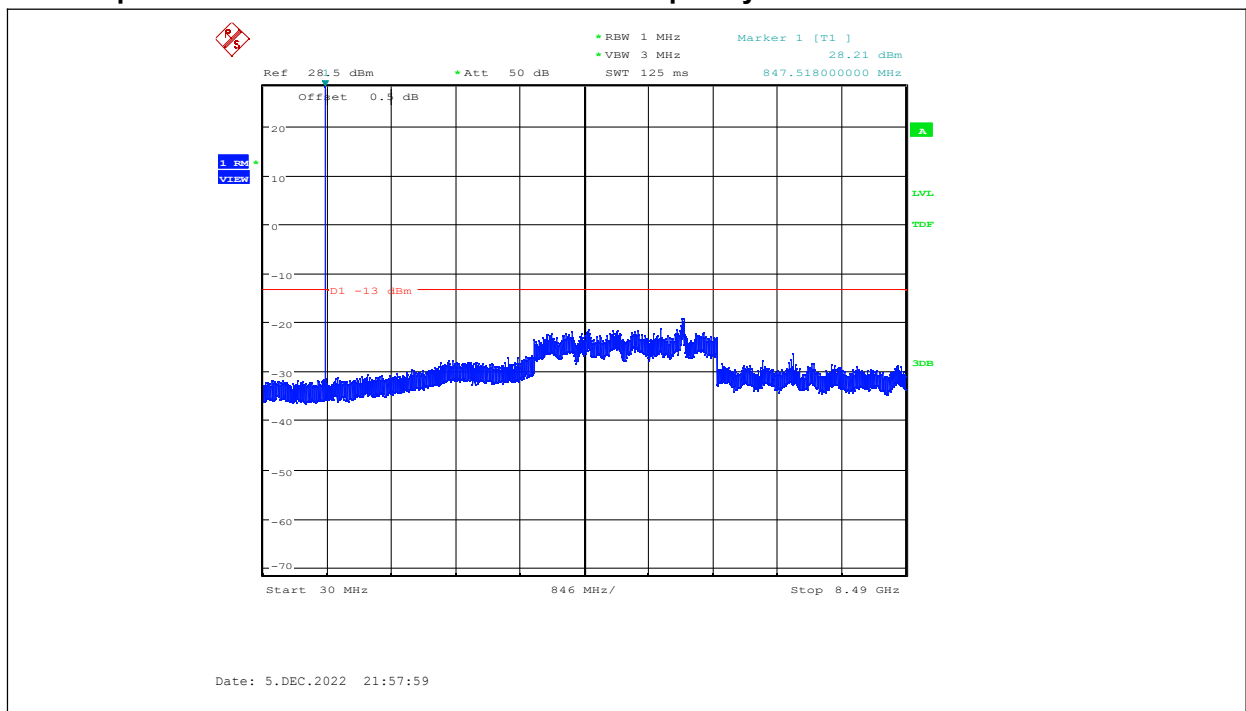
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LTE band 5-3MHz-QPSK-HIGH

NOTE: peak above the limit line is the carrier frequency.

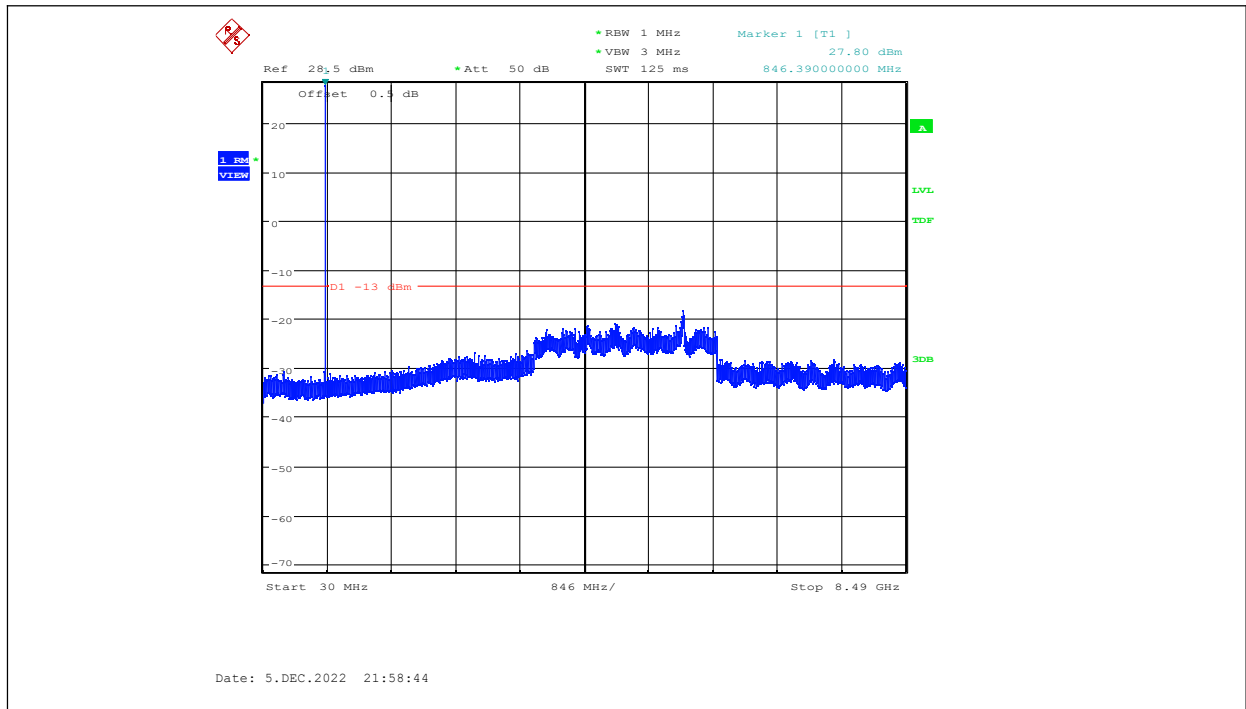


LTE band 5-5MHz-QPSK-HIGH

NOTE: peak above the limit line is the carrier frequency.

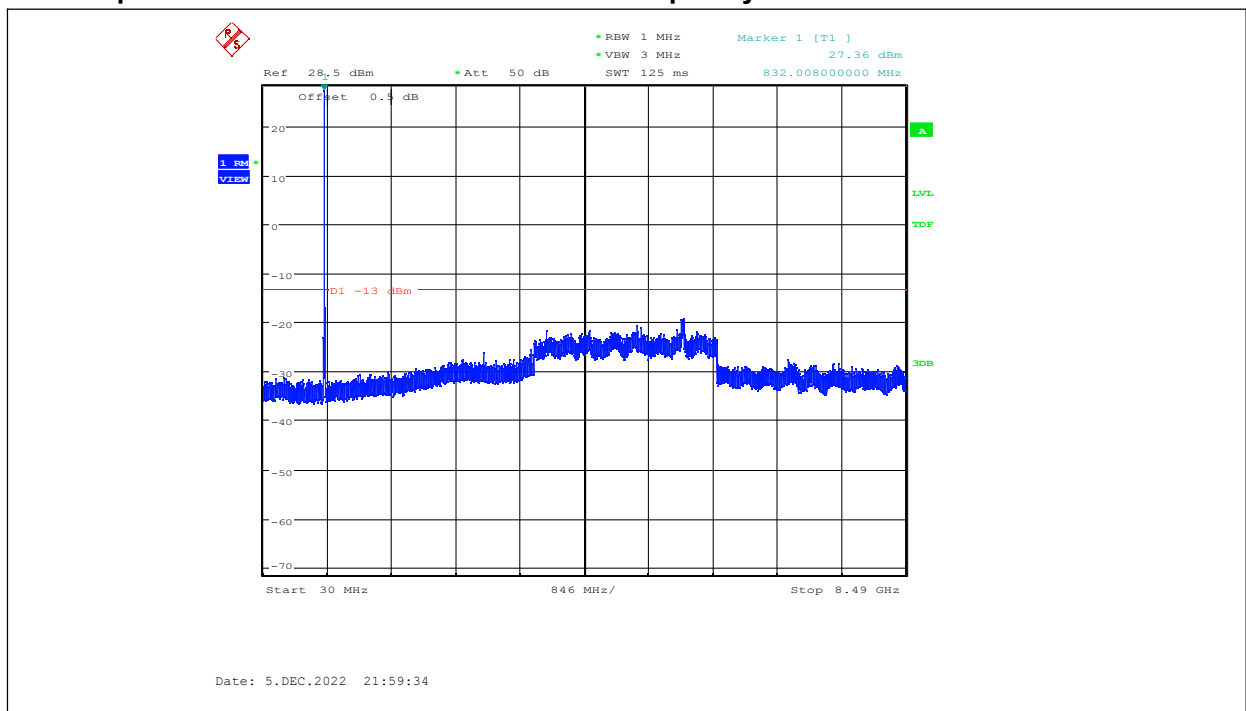
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LTE band 5-10MHz-QPSK-MID

NOTE: peak above the limit line is the carrier frequency.

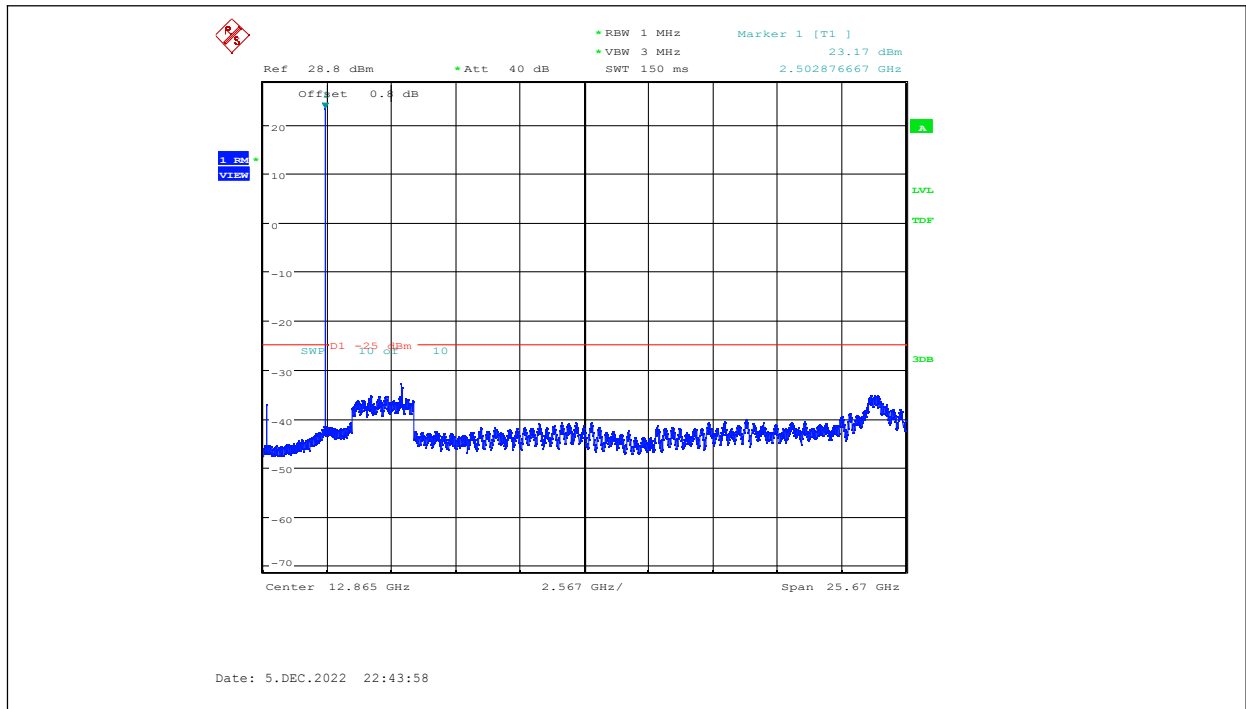


LTE band 7-5MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

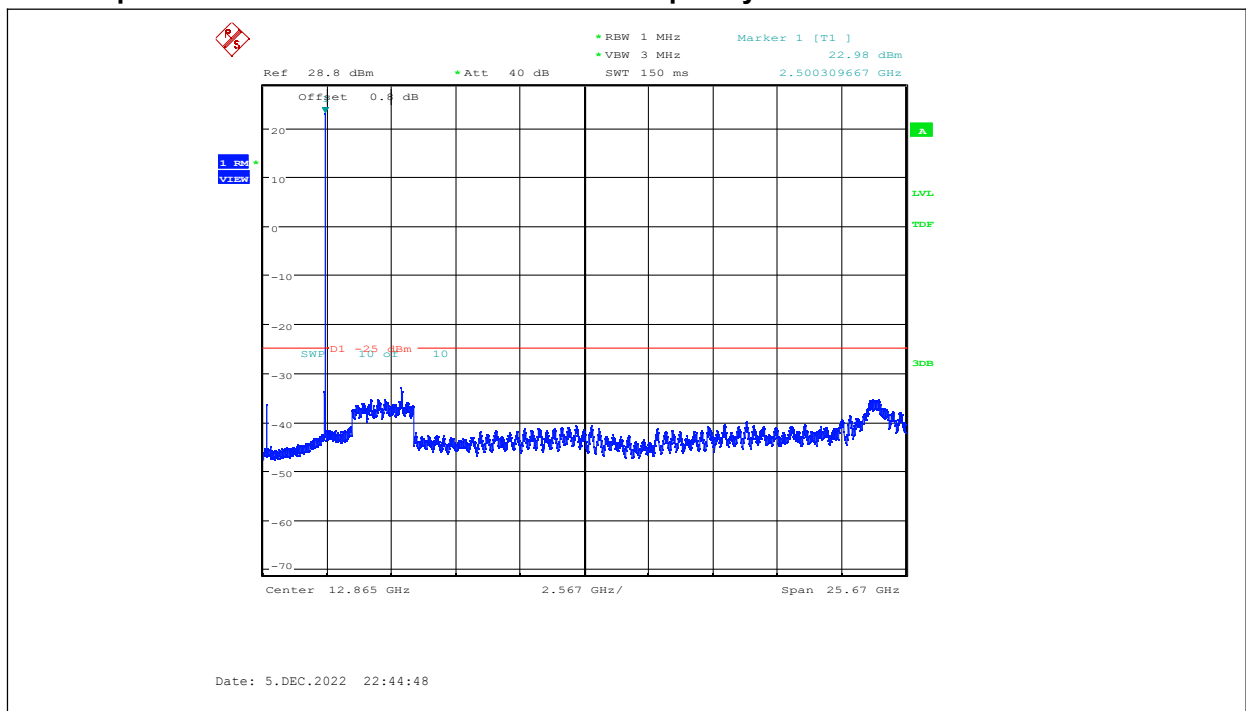
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LTE band 7-10MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

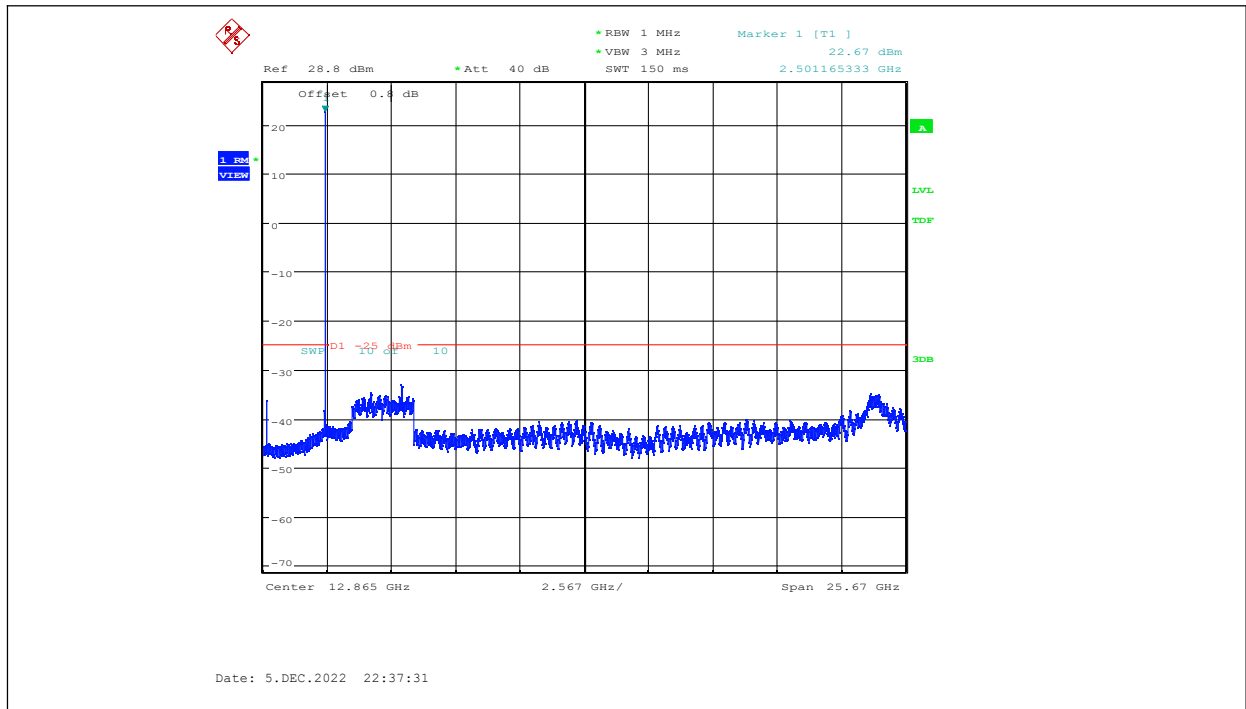


LTE band 7-15MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

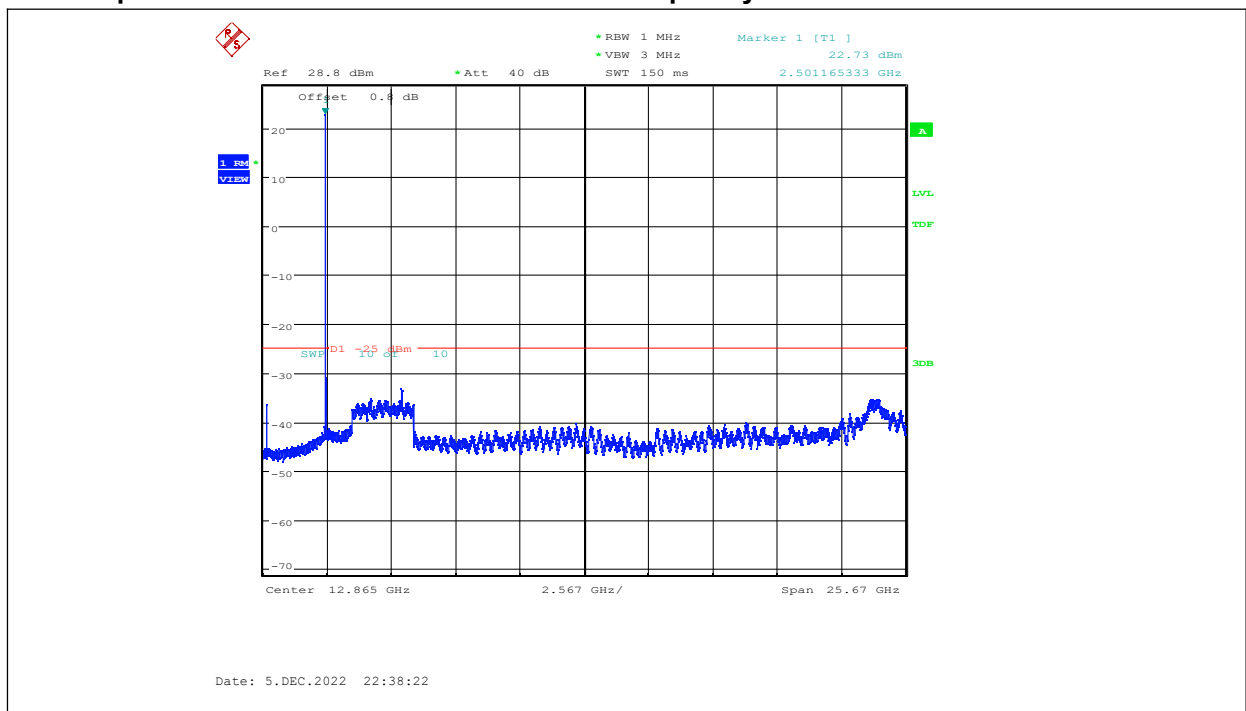
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LTE band 7-20MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

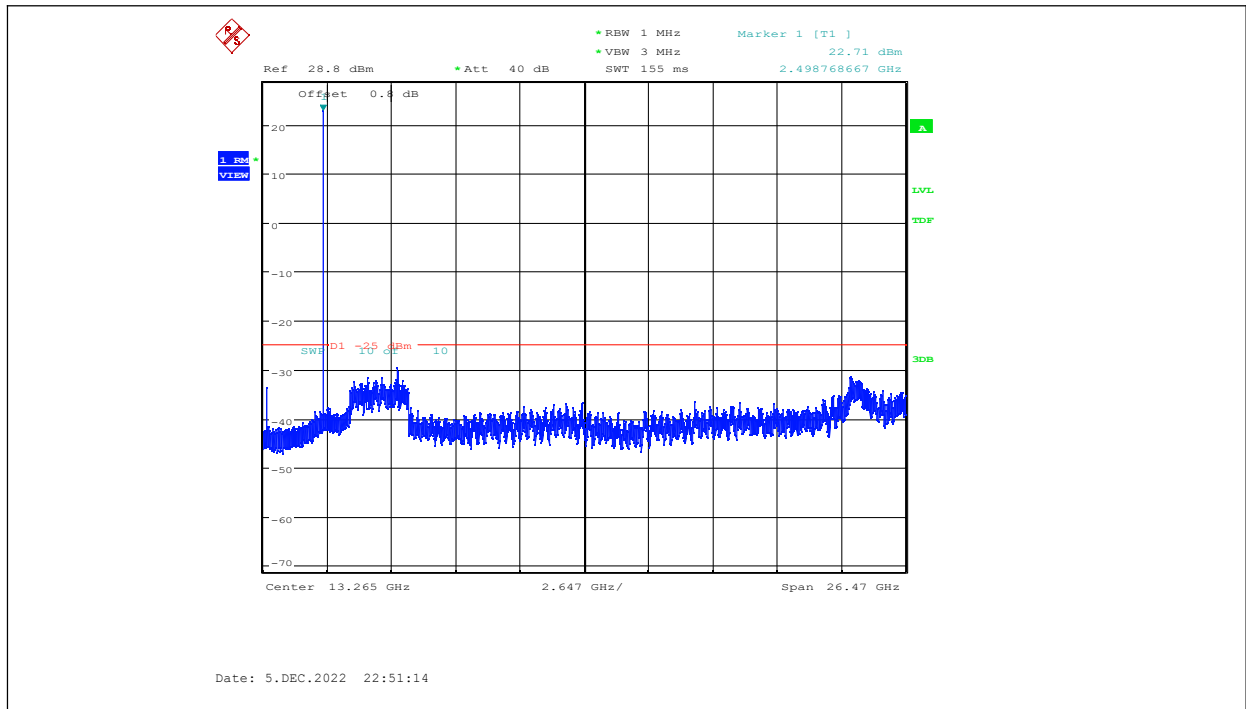


LTE band 41-5MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

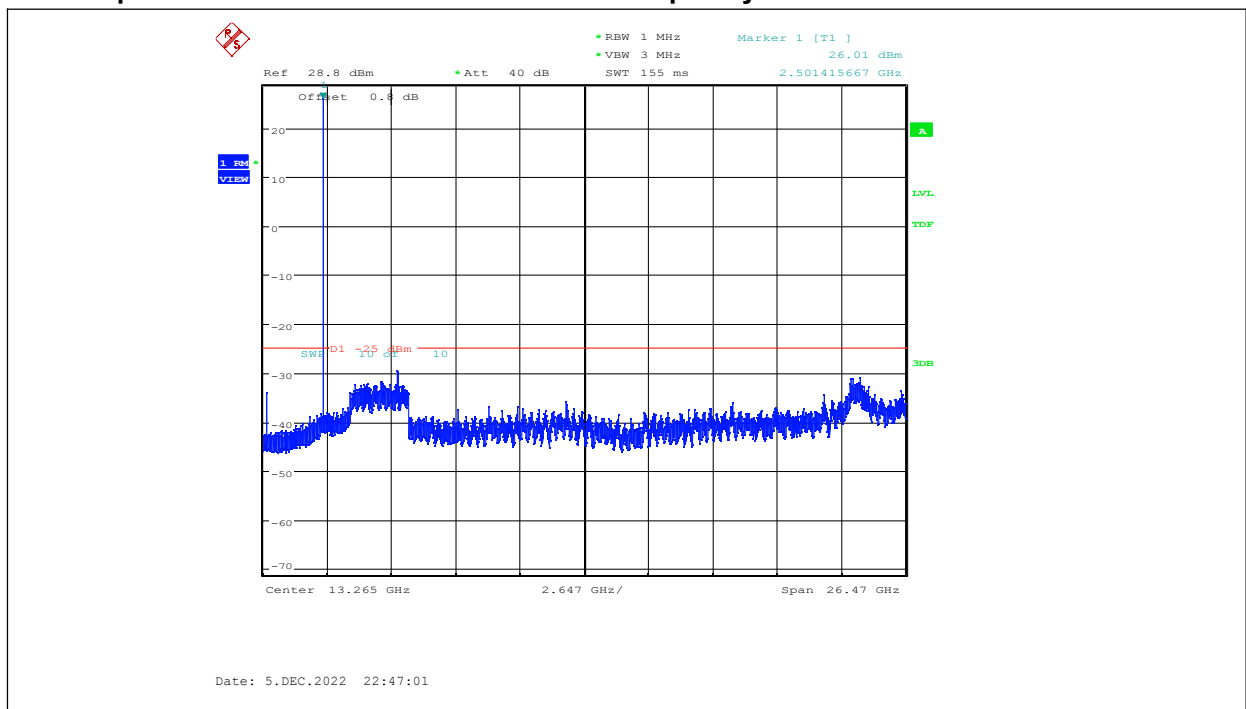
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LTE band 41-10MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

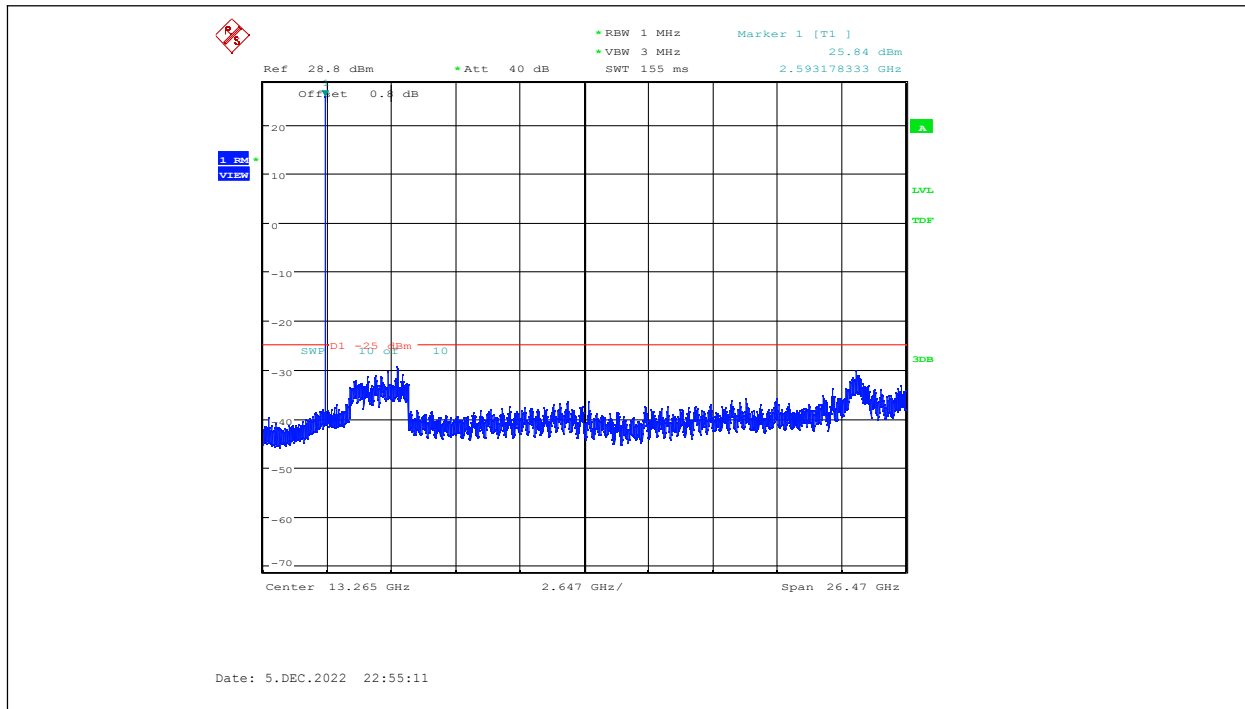


LTE band 41-15MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

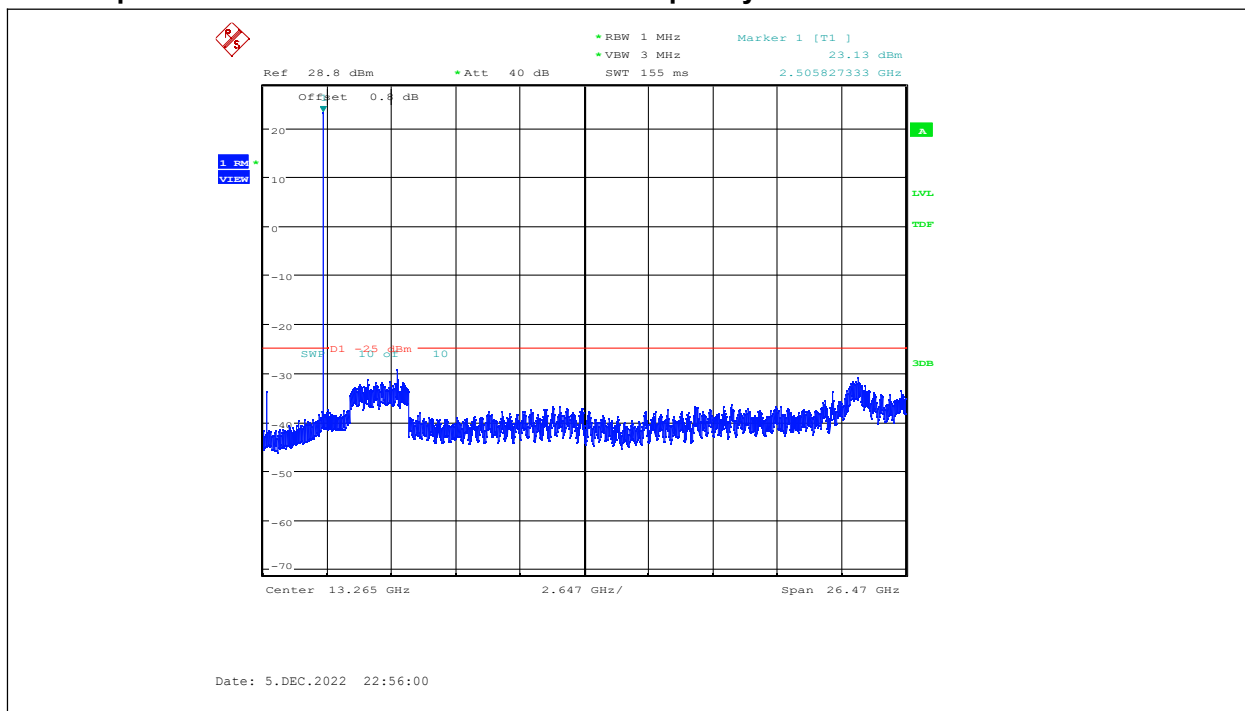
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LTE band 41-20MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

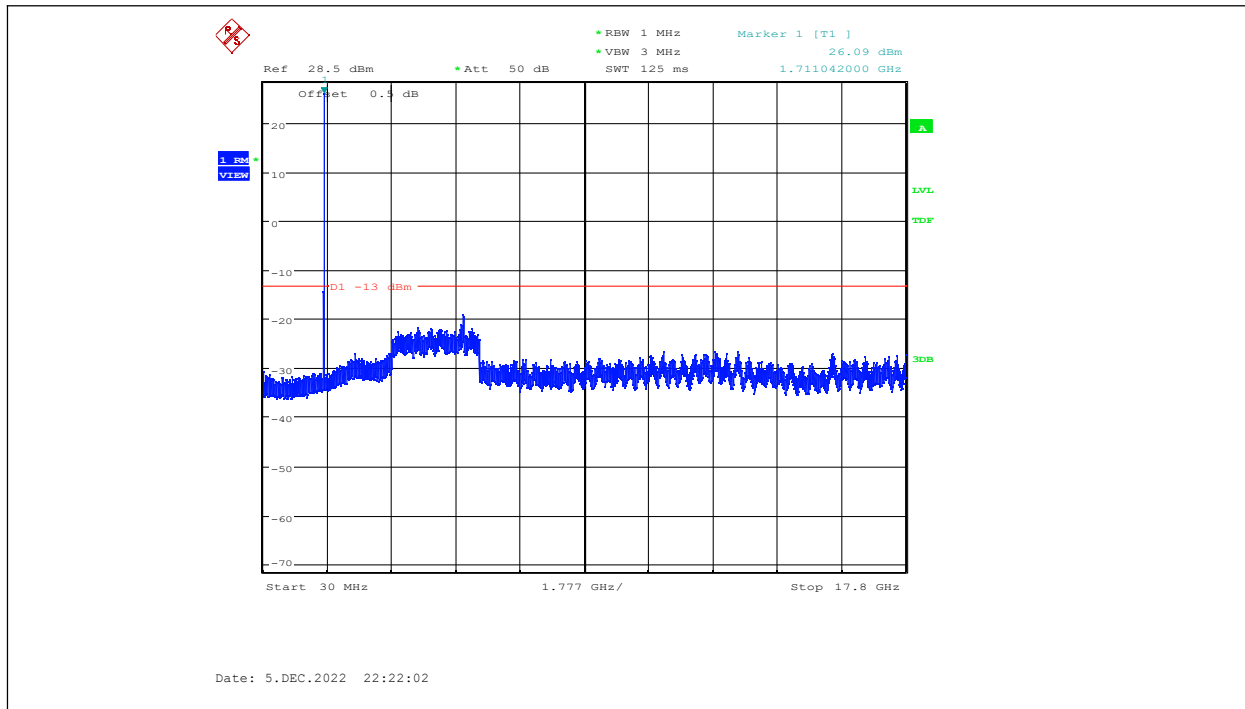


LTE band 66-1.4MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

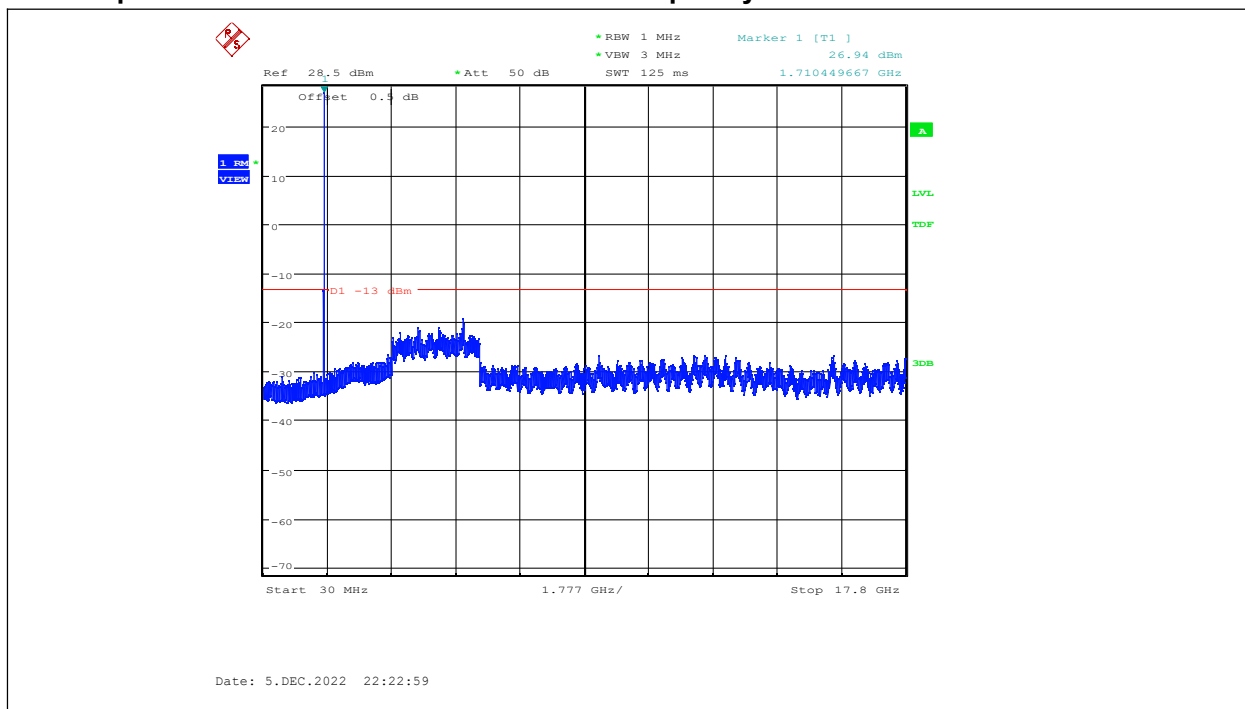
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LTE band 66-3MHz-16QAM-LOW

NOTE: peak above the limit line is the carrier frequency.

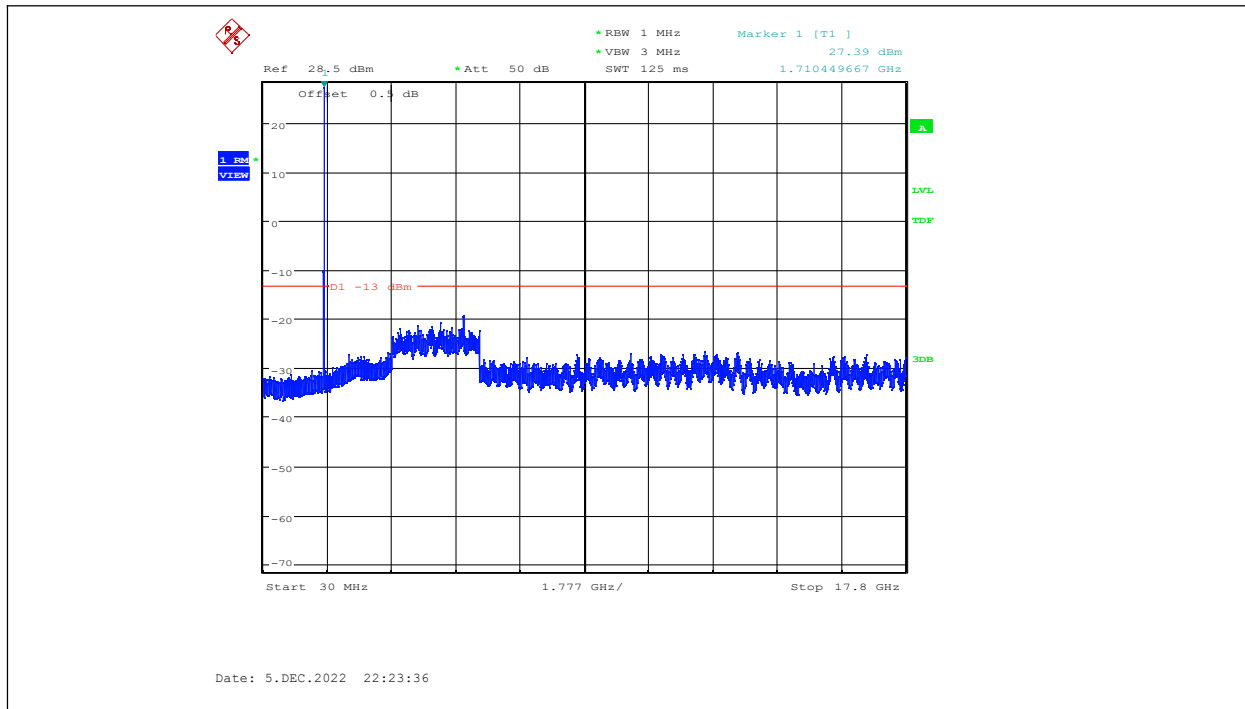


LTE band 66-5MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

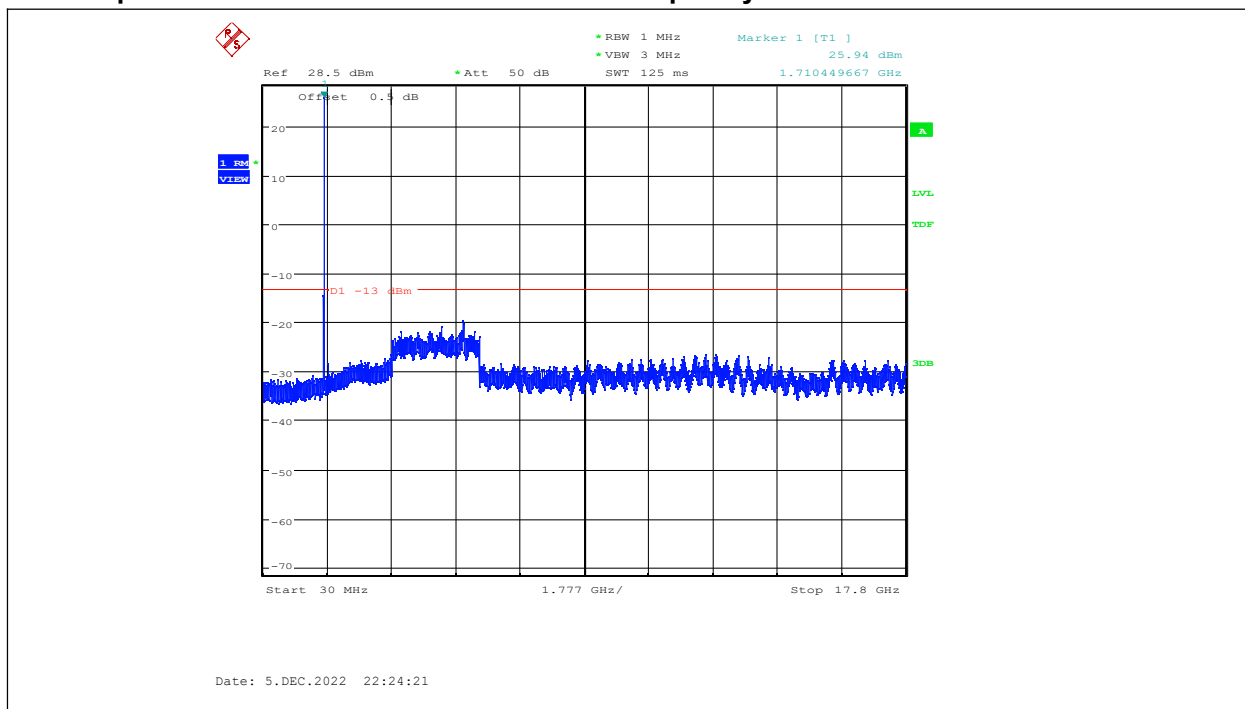
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LTE band 66-10MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

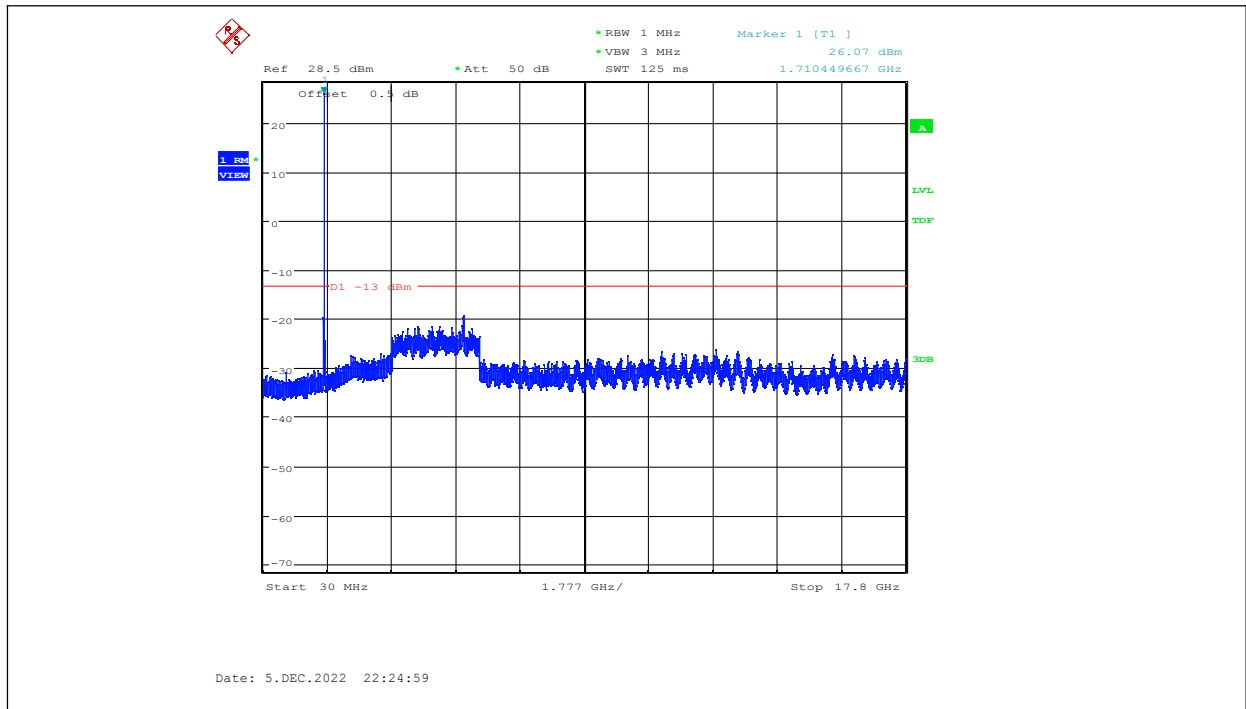


LTE band 66-15MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.

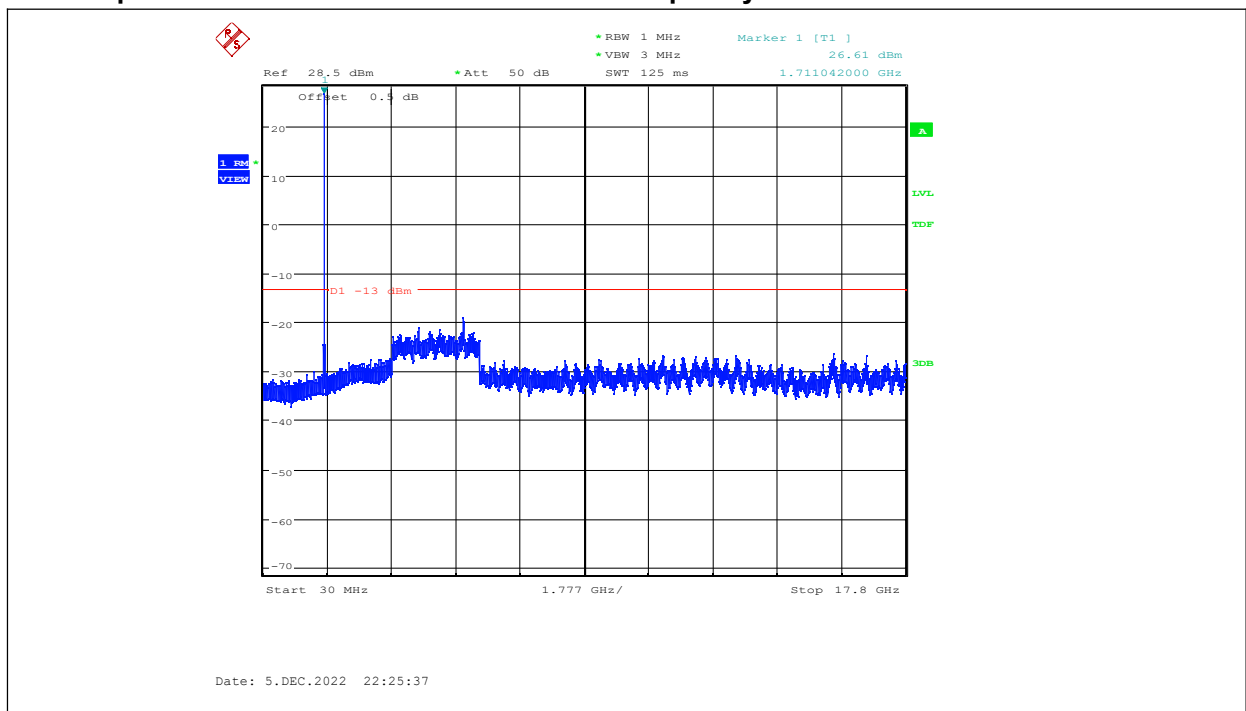
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LTE band 66-20MHz-QPSK-LOW

NOTE: peak above the limit line is the carrier frequency.



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6.6. Radiated Spurious Emission

Specifications:	FCC Part 2.1051, 2.1053, 24.238, 22.917, 27.53
DUT Serial Number:	IMEI:868070047049493
Test conditions:	Ambient Temperature:21.7°C-22.2°C Relative Humidity:54.0%-58.0% Air pressure: 97.2-97.4kPa
Test Results:	Pass

Limit Level Construction:

According to Part 22.917 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to Part 24.238 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB, so the limit level is: $P(\text{dBm}) - (43 + 10 \log(P)) \text{ dB} = -13\text{dBm}$.

According to Part 27.53(h):

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

According to Part 27.53(m):For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log(P)$ dB on all frequencies between 2490.5MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Limits for Radiated spurious emissions(UE)	
Frequency range	Limit Level /Resolution Bandwidth
30 MHz to 20000 MHz	-13dBm/1MHz

Measurement Uncertainty:

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Item	Uncertainty
Expanded Uncertainty (30MHz-150MHz)	5.15 dB (k=2)
Expanded Uncertainty (150MHz-1GHz)	4.09dB (k=2)
Expanded Uncertainty (1GHz-3GHz)	2.92dB (k=2)
Expanded Uncertainty (3GHz-6GHz)	2.93dB (k=2)
Expanded Uncertainty (3GHz-20GHz)	2.69dB (k=2)

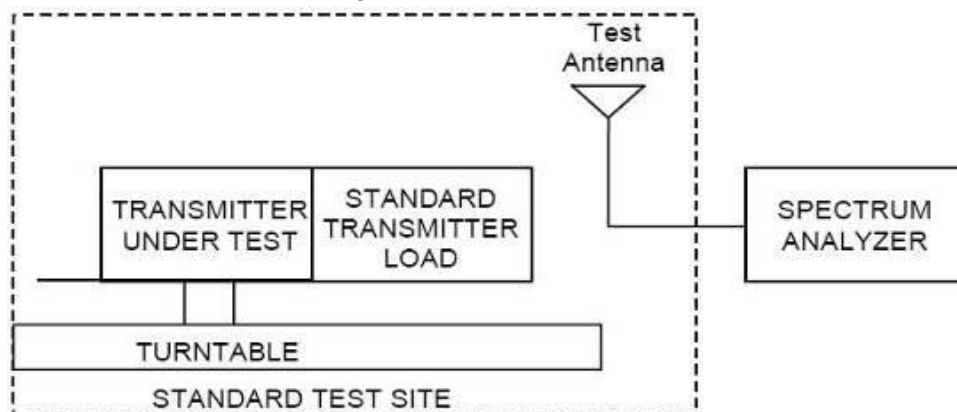
Test Setup:

The EUT was placed in an anechoic chamber. The Wireless Communications Test Set was used to set the TX channel and power level and modulate the TX signal with different bit patterns.

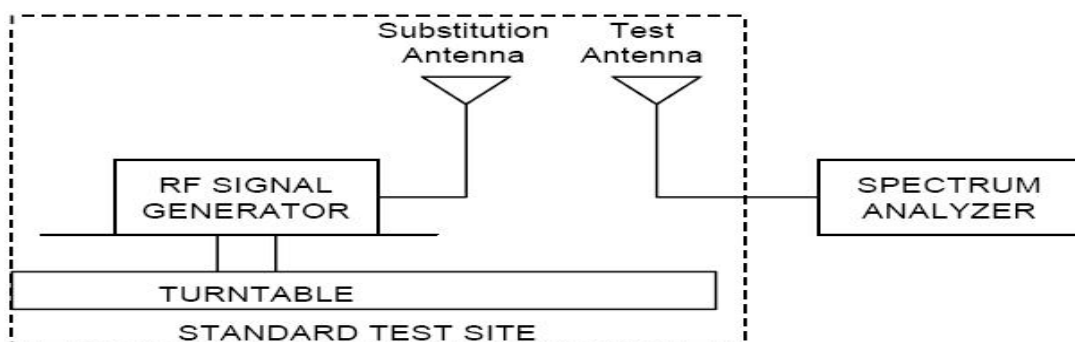
Test Method:

The measurement method is substitution method accordance with section 2.2.12 of ANSI/TIA-603-E: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

(a) Connect the equipment as illustrated and measure the spurious emissions as the method as above. The distance from the device to the antenna is 3 m .



(b) Reconnect the equipment as illustrated.



(c) Remove the transmitter and replace it with a substitution antenna. The center of the substitution antenna should be approximately at the same location as the center of the transmitter.

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(d) Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a non-radiating cable. With the antennas at both ends horizontally polarized, and with the signal generator tuned to a particular spurious frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.

(e) Repeat step d) with both antennas vertically polarized for each spurious frequency.

(f) Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps d) and e) by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula:

$$P_d(\text{dBm}) = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{Antenna Gain (dB)}$$

where:

P_d is the dipole equivalent power and P_g is the generator output power into the substitution antenna.

Note: All modes of Radiated Spurious Emission were tested, only the worst case was reported.

6.6.1 LTE Radiated Spurious Emission Results

Test frequency: 30MHz-20GHz

All modes were tested,only the worst case of each band was reported.

LTE B2 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH18625)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
138.85	-82.83	0.27	4.89	-78.21	V
232.69	-79.79	0.36	5.36	-74.79	H
727.76	-84.63	0.66	7.14	-78.15	H
3865.20	-69.83	1.65	9.03	-62.45	V
4925.20	-71.66	1.92	9.46	-64.12	V
8685.60	-67.99	3.26	12.03	-59.22	V

LTE B2 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH18900)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
91.42	-81.96	0.27	-0.69	-82.92	V
137.52	-81.86	0.27	4.93	-77.20	V
232.39	-80.94	0.36	5.36	-75.94	H
4188.40	-72.00	1.72	9.01	-64.71	V
6449.20	-70.85	2.33	11.19	-61.99	V
9427.20	-68.37	3.41	12.27	-59.51	V

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LTE B2 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH19175)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.67	-80.90	0.27	4.93	-76.24	V
236.09	-81.26	0.36	5.35	-76.27	H
676.40	-87.21	0.64	7.22	-80.63	H
4343.20	-72.03	1.76	8.76	-65.03	V
6445.20	-70.49	2.33	11.19	-61.63	V
9375.20	-68.52	3.22	12.27	-59.47	V

LTE B4 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH19975)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.60	-83.00	0.27	4.93	-78.34	V
228.17	-81.22	0.36	5.36	-76.22	H
480.00	-87.34	0.53	7.05	-80.82	H
3951.60	-72.65	1.76	9.03	-65.38	V
4956.80	-71.89	1.93	9.80	-64.02	V
8710.00	-68.20	3.07	12.03	-59.24	V

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LTE B4 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH20175)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.74	-82.97	0.27	4.93	-78.31	V
228.54	-82.53	0.36	5.36	-77.53	H
731.68	-85.35	0.66	7.00	-79.01	H
3931.60	-72.19	1.67	9.03	-64.83	V
6418.80	-71.37	2.30	11.19	-62.48	V
8707.20	-68.77	3.23	12.03	-59.97	V

LTE B4 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH20375)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.67	-81.83	0.27	4.93	-77.17	V
232.09	-82.19	0.36	5.36	-77.19	H
480.00	-86.35	0.53	7.05	-79.83	H
3866.40	-72.55	1.65	9.03	-65.17	V
6486.00	-70.11	2.36	11.16	-61.31	V
9342.80	-67.77	3.19	12.22	-58.74	V

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LTE B5 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH20425)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.74	-83.22	0.27	4.93	-78.56	V
232.09	-82.99	0.36	5.36	-77.99	H
480.00	-87.84	0.53	7.05	-81.32	H
3923.60	-73.24	1.71	9.03	-65.92	V
6198.00	-72.10	2.32	11.09	-63.33	V
8694.00	-68.62	3.26	12.03	-59.85	V

LTE B5 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH20525)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
89.64	-84.63	0.22	-0.28	-85.13	V
150.40	-86.55	0.28	5.65	-81.18	V
227.65	-81.81	0.36	5.47	-76.70	H
3873.20	-73.52	1.70	9.03	-66.19	V
4930.40	-71.17	1.92	9.46	-63.63	V
8719.20	-68.57	3.15	12.03	-59.69	V

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LTE B5 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH20625)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
79.95	-86.22	0.20	1.29	-85.13	V
150.32	-87.06	0.28	5.65	-81.69	V
480.00	-88.30	0.53	7.05	-81.78	H
4327.60	-72.37	1.76	8.76	-65.37	V
6521.20	-71.05	2.40	11.16	-62.29	V
10192.40	-68.55	3.45	13.07	-58.93	V

LTE B7 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH20775)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
63.97	-78.57	0.17	-5.78	-84.52	V
227.73	-81.16	0.36	5.36	-76.16	H
1745.60	-67.45	1.06	7.39	-61.12	H
3910.40	-73.21	1.72	9.03	-65.90	V
6531.60	-71.17	2.37	11.16	-62.38	V
9372.00	-68.42	3.22	12.27	-59.37	V

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LTE B7 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH21100)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.74	-80.05	0.27	4.76	-75.56	V
933.92	-85.49	0.76	7.15	-79.10	H
1745.80	-67.03	1.06	7.39	-60.70	V
3936.80	-72.80	1.67	9.03	-65.44	V
6483.20	-70.86	2.36	11.16	-62.06	V
9379.20	-67.88	3.26	12.27	-58.87	V

LTE B7 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH21425)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.37	-80.33	0.27	4.76	-75.84	V
725.92	-85.98	0.66	7.14	-79.50	H
1881.20	-68.15	1.1	6.41	-62.84	H
3886.40	-72.51	1.71	9.03	-65.19	V
6490.40	-70.77	2.36	11.16	-61.97	V
9383.60	-67.81	3.26	12.27	-58.80	V

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LTE B41 Radiated Spurious Emission Results

Test Data (15M bandwidth QPSK Mode CH39650)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.96	-82.55	0.27	4.76	-78.06	V
650.88	-86.87	0.63	6.99	-80.51	V
1484.80	-71.54	0.96	7.45	-65.05	H
3646.00	-73.92	1.59	9.20	-66.31	V
4939.20	-71.19	1.93	9.46	-63.66	V
8732.40	-67.86	3.31	12.03	-59.14	V

LTE B41 Radiated Spurious Emission Results

Test Data (15M bandwidth QPSK Mode CH40620)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
65.22	-76.76	0.17	-5.31	-82.24	V
720.16	-86.28	0.66	7.28	-79.66	H
1633.40	-71.18	1.02	7.58	-64.62	H
4334.40	-71.29	1.76	8.76	-64.29	V
6465.20	-70.62	2.39	11.16	-61.85	V
8696.80	-68.69	3.26	12.03	-59.92	V

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LTE B41 Radiated Spurious Emission Results

Test Data (15M bandwidth QPSK Mode CH41515)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
137.60	-83.04	0.27	4.76	-78.55	V
480.00	-87.21	0.53	7.05	-80.69	H
1485.20	-71.31	0.96	7.45	-64.82	H
3914.80	-72.37	1.72	9.03	-65.06	V
6473.20	-70.90	2.36	11.16	-62.10	V
9360.40	-67.42	3.48	12.27	-58.63	V

LTE B66 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH131997)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
138.11	-82.3	0.27	4.93	-77.6	V
234.31	-79.7	0.36	5.35	-74.7	H
374.99	-82.4	0.47	6.61	-76.3	V
1115.80	-73.1	0.83	6.76	-67.2	H
3429.60	-72.1	1.55	8.85	-64.8	V
6860.00	-66.2	2.51	11.50	-57.2	V

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LTE B66 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH132322)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
138.34	-82.2	0.27	4.93	-77.5	V
231.50	-79.9	0.36	5.36	-74.9	H
375.06	-80.7	0.47	6.67	-74.5	V
1176.00	-72.6	0.83	6.76	-66.7	H
3965.60	-73.2	1.74	9.27	-65.7	V
6980.40	-69.9	2.46	11.37	-61.0	V

LTE B66 Radiated Spurious Emission Results

Test Data (5M bandwidth QPSK Mode CH132647)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
91.27	-80.3	0.12	-0.69	-81.1	V
138.11	-82.4	0.27	4.93	-77.7	V
234.39	-79.2	0.36	5.35	-74.2	H
375.06	-80.3	0.47	6.61	-74.2	V
2732.40	-70.8	1.33	15.06	-57.1	V
6480.40	-70.6	2.36	11.16	-61.8	V

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6.7. Band Edge

Specifications:	FCC Part 2.1051, 24.238, 2.1053, 22.917, 27.53
DUT Serial Number:	868070047049113
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

According to Part 22.917 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to Part 24.238 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB, so the limit level is: $P(\text{dBm}) - (43 + 10 \log(P)) \text{ dB} = -13\text{dBm}$.

According to Part 27.53(h):

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

According to Part 27.53(m):For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement Uncertainty:

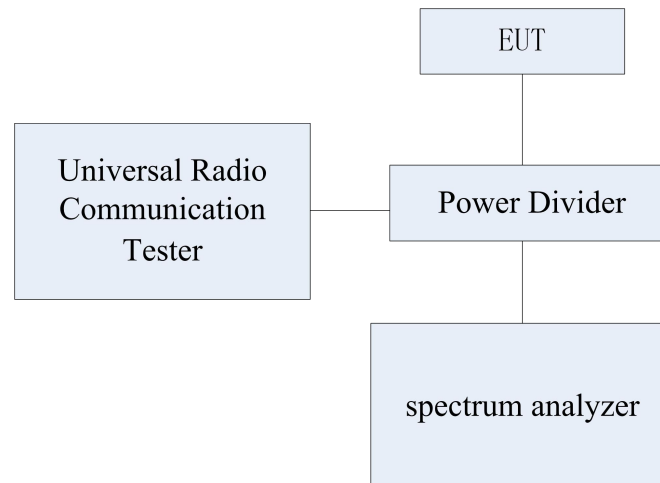
Item	Uncertainty
Expanded Uncertainty	1.28 dB (k=2)

Test Setup:

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.

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**Test Method:**

- 1) The EUT was coupled to the EMI test receiver analyzer mode and the base station simulator through a power divider. The loss of the cables the test system is calibrated to correct the readings.
- 2) The spectrum analyzer was set to Average Detector function and Maximum hold mode.
- 3) The resolution Bandwidth of the spectrum analyzer was a little greater than 1% of the 26dB emission Bandwidth.

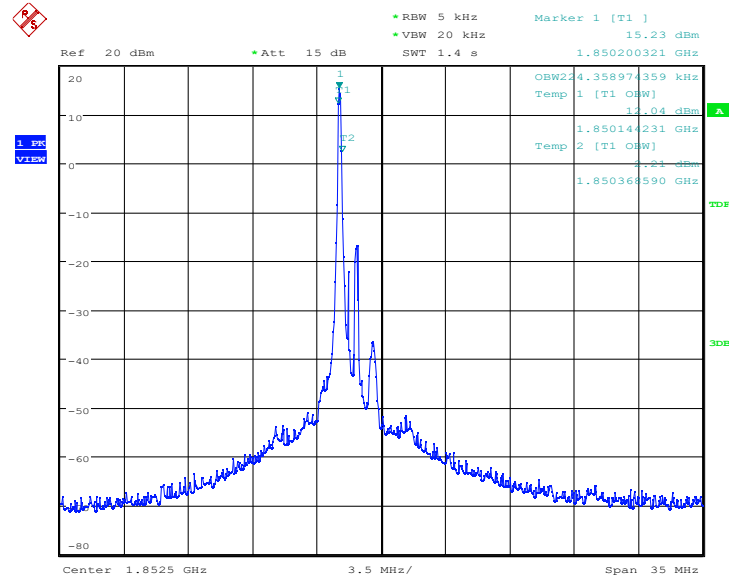
Note1: Band Edge test data include QPSK and 16QAM. The following test results only reflect the data of the worse mode QPSK.

Note2: For LTE B7 and B41, Beyond the 1 MHz band bandedge test, The correct factor of the RBW form RBWtest to 1MHz is $10 \cdot \log(1000 / \text{RBWtest})$ which is add into the offset.

6.7.1 Band Edge Results

LTE band 2-1.4MHz

OBW: 1RB-LOW_offset

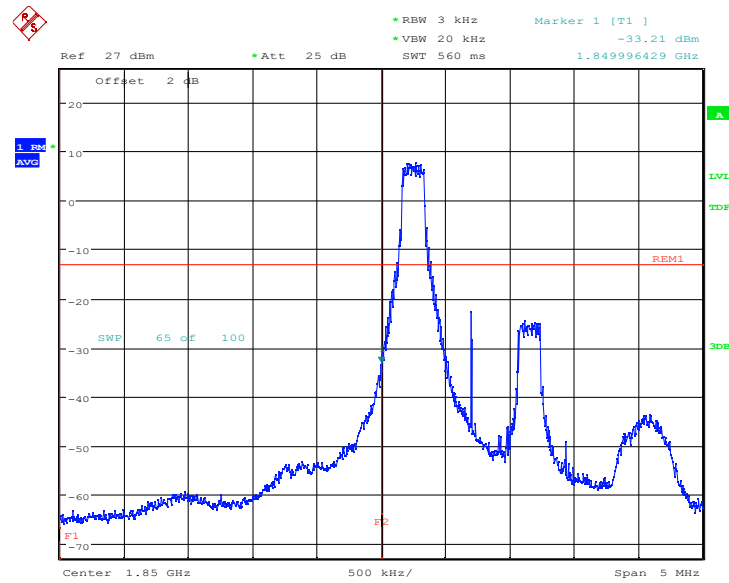


Date: 19.NOV.2022 01:22:47

LOW BAND EDGE BLOCK-1RB-LOW_offset

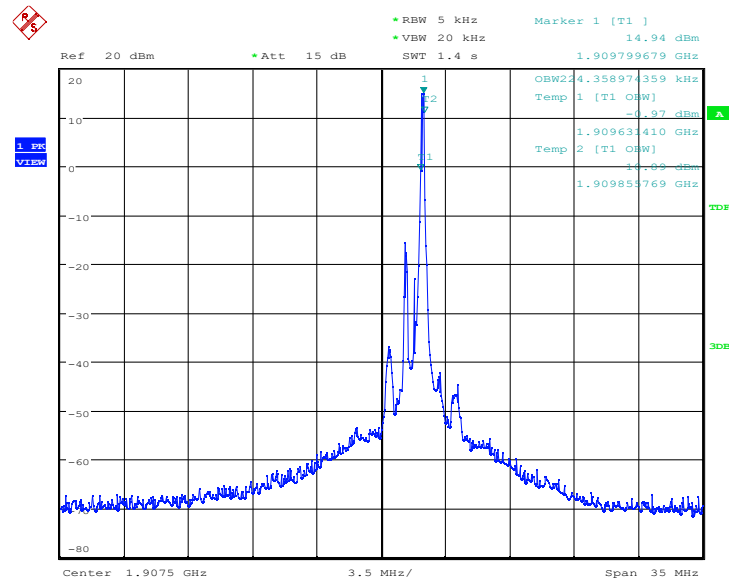
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Date: 19.NOV.2022 01:24:23

OBW: 1RB-HIGH_offset

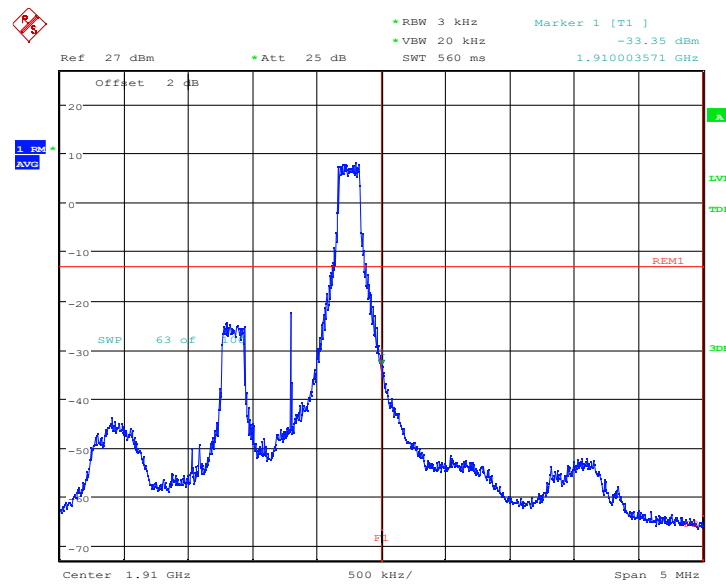


Date: 19.NOV.2022 01:25:35

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

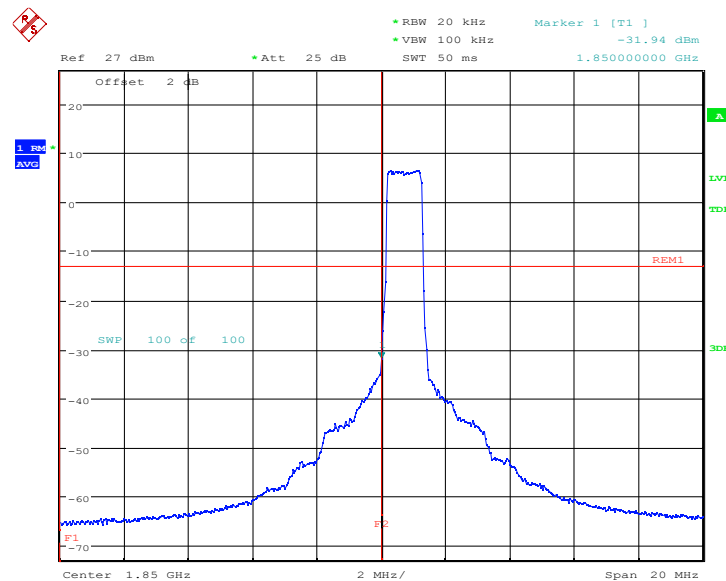
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Date: 19.NOV.2022 01:27:12

LOW BAND EDGE BLOCK-1.4M-100%RB



Date: 19.NOV.2022 01:25:11

HIGH BAND EDGE BLOCK-1.4M-100%RB

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Ref 27 dBm • Att 25 dB • RBW 20 kHz Marker 1 [T1] -30.07 dBm
 • VBW 100 kHz SWT 50 ms 1.91000000 GHz

Offset 2 dB

1.91 GHz

REMI

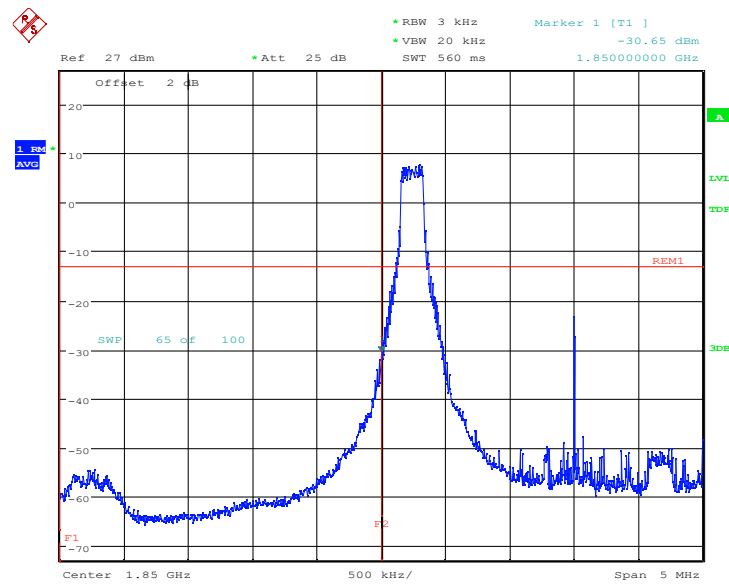
SWP 100 of 100

F1

Center 1.91 GHz 2 MHz/ Span 20 MHz

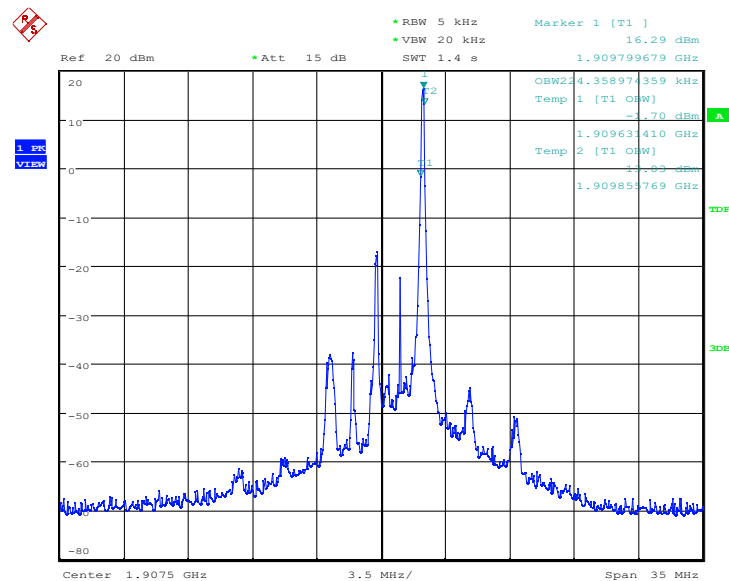
[illegible]

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Date: 19.NOV.2022 01:30:05

OBW: 1RB-HIGH_offset

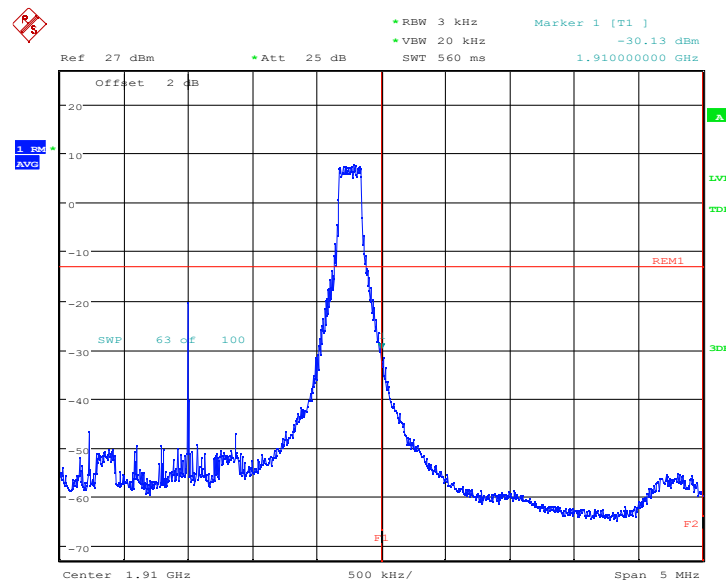


Date: 19.NOV.2022 01:31:18

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

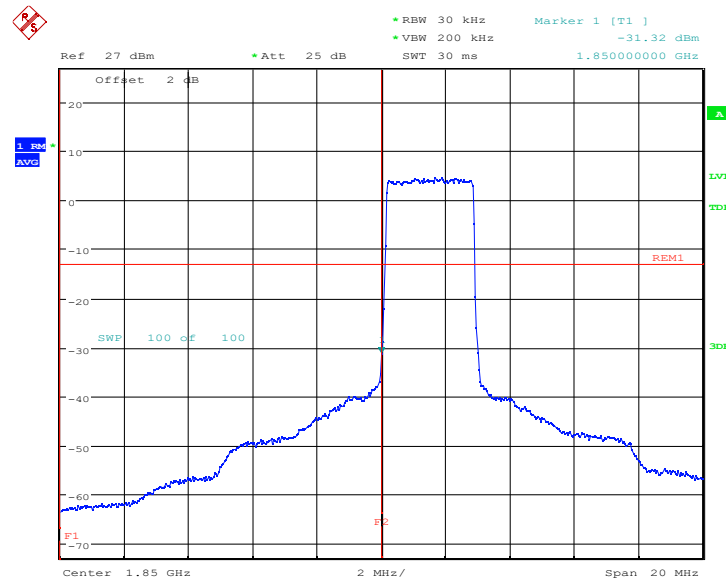
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Date: 19.NOV.2022 01:32:54

LOW BAND EDGE BLOCK-3M-100%RB



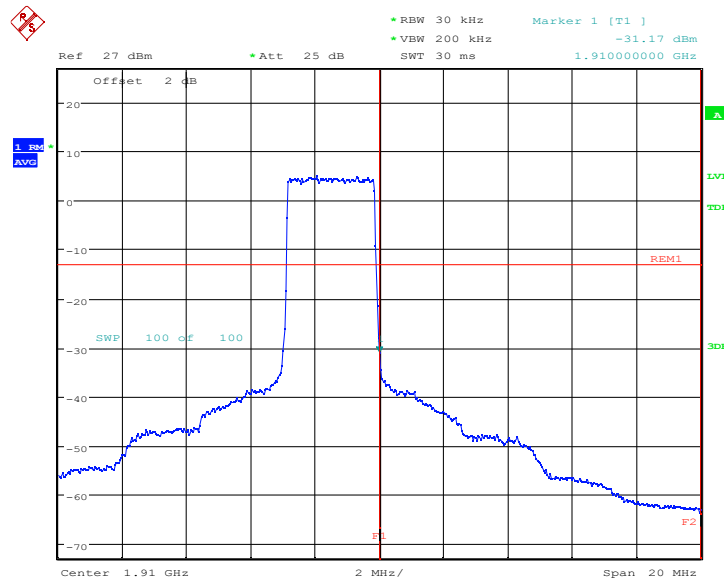
Date: 19.NOV.2022 01:30:50

HIGH BAND EDGE BLOCK-3M-100%RB

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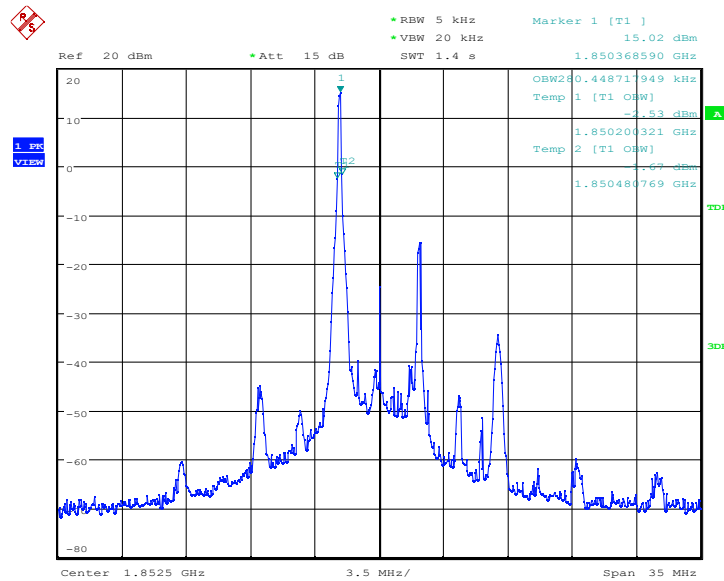
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 01:33:40

LTE band 2-5MHz

OBW: 1RB-LOW_offset

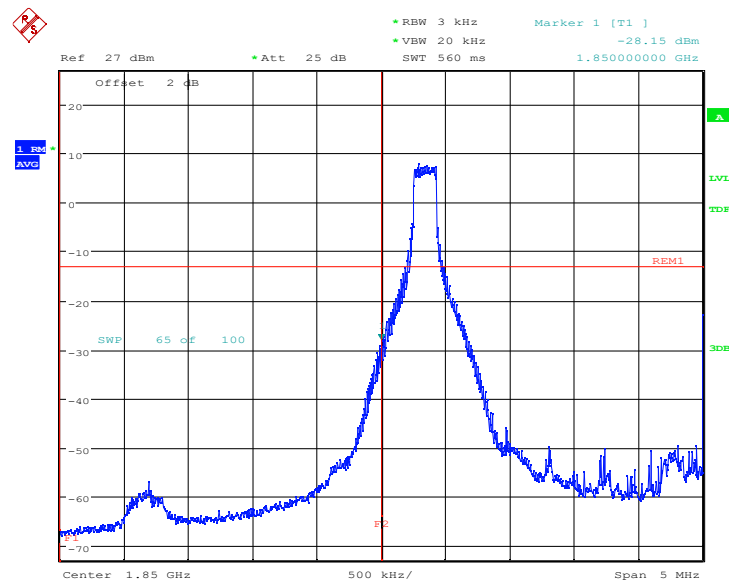


Date: 19.NOV.2022 01:34:11

LOW BAND EDGE BLOCK-1RB-LOW_offset

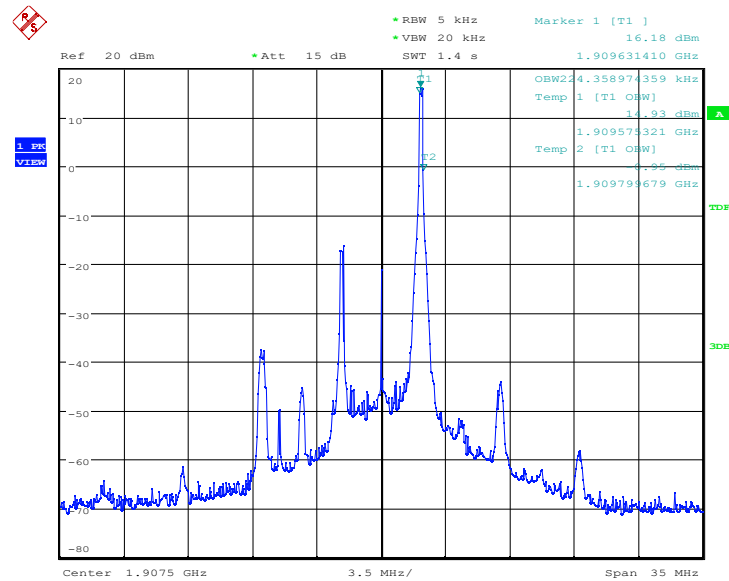
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Date: 19.NOV.2022 01:35:46

OBW: 1RB-HIGH_offset

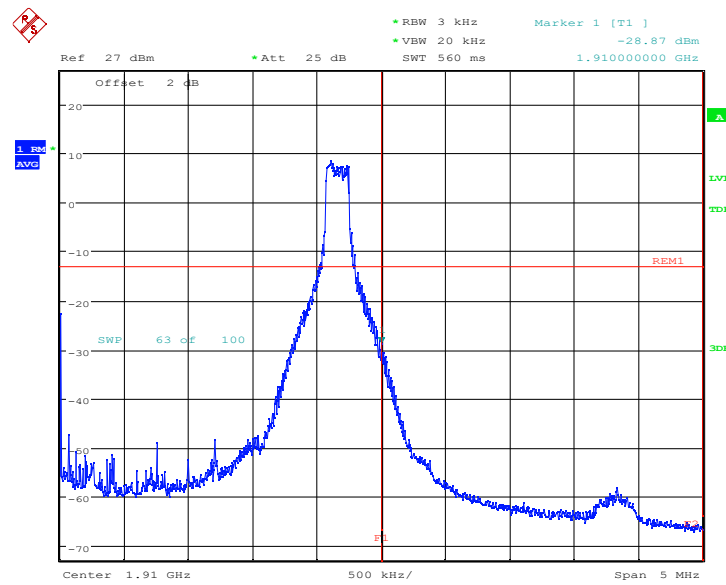


Date: 19.NOV.2022 01:36:54

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

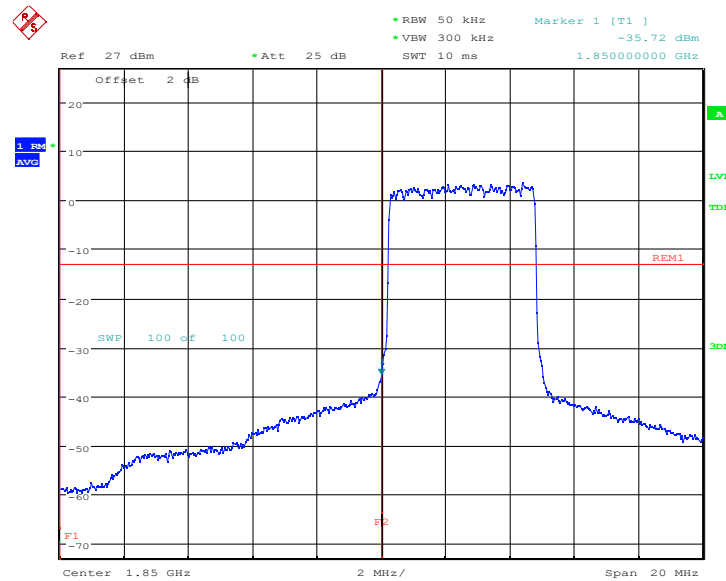
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Date: 19.NOV.2022 01:38:30

LOW BAND EDGE BLOCK-5M-100%RB

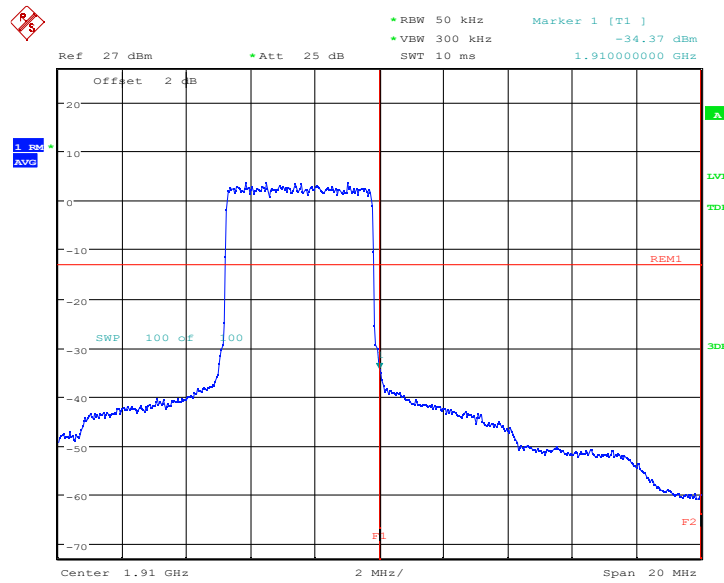


Date: 19.NOV.2022 01:36:30

HIGH BAND EDGE BLOCK-5M-100%RB

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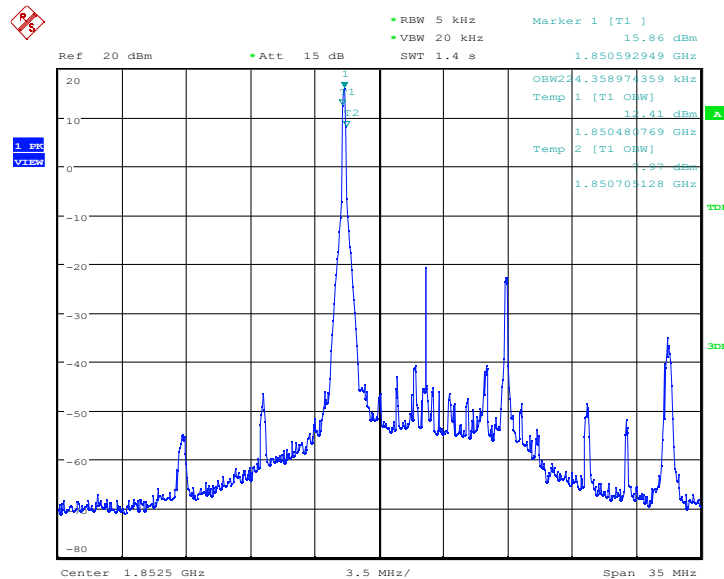
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Date: 19.NOV.2022 01:39:15

LTE band 2-10MHz

OBW: 1RB-LOW_offset

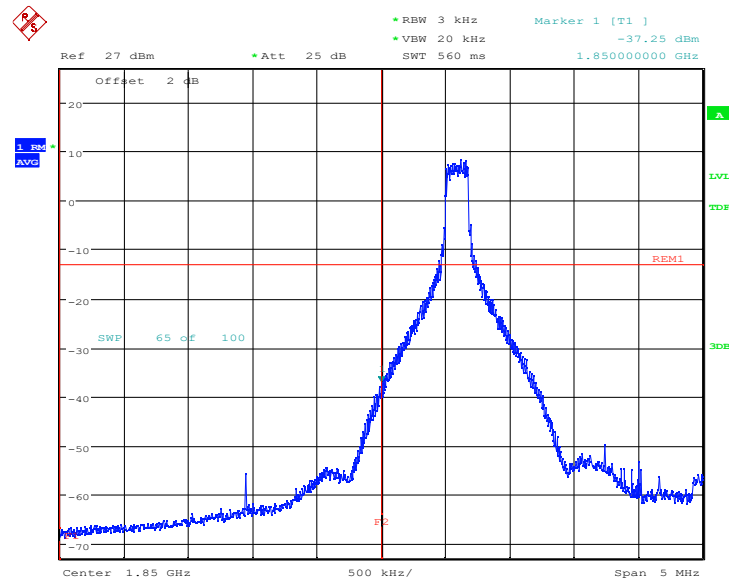


Date: 19.NOV.2022 01:39:48

LOW BAND EDGE BLOCK-1RB-LOW_offset

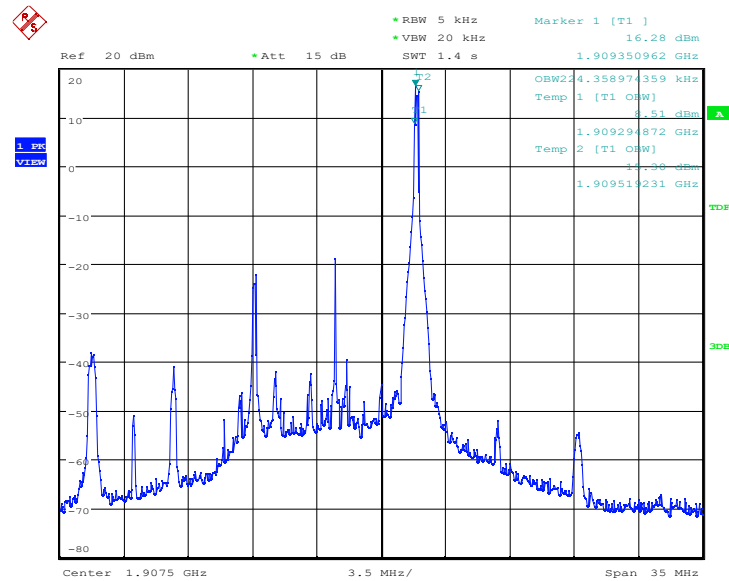
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Date: 19.NOV.2022 01:41:23

OBW: 1RB-HIGH_offset

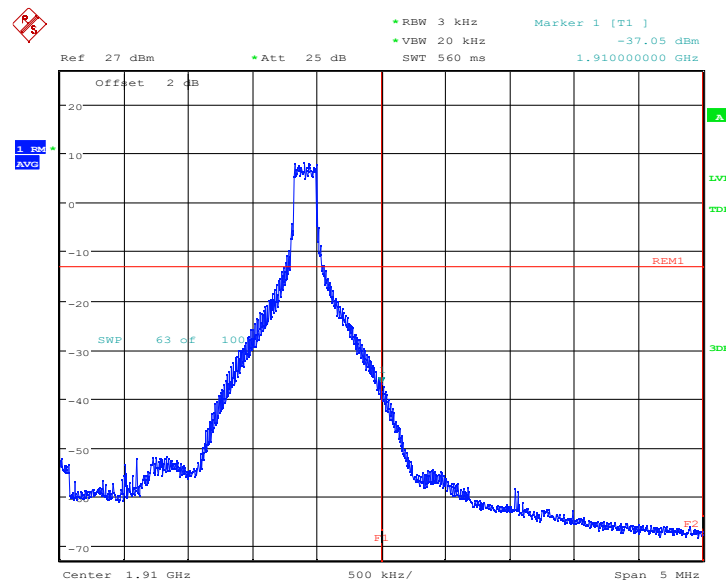


Date: 19.NOV.2022 01:42:31

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

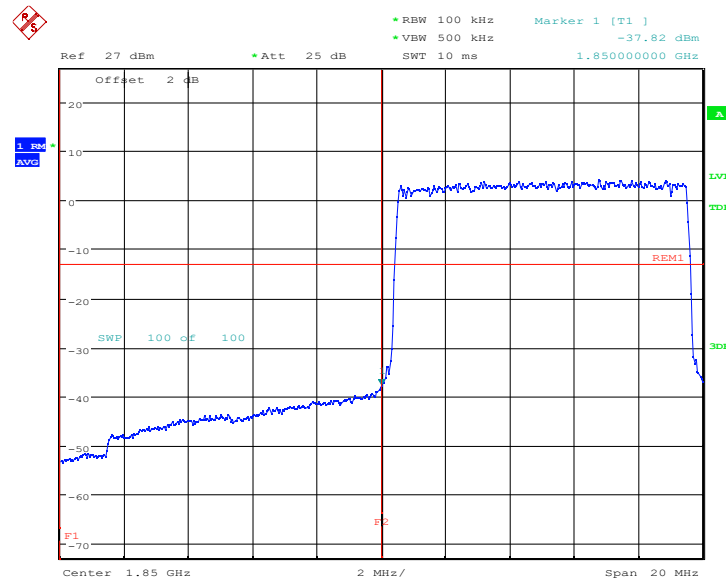
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Date: 19.NOV.2022 01:44:08

LOW BAND EDGE BLOCK-10M-100%RB



Date: 19.NOV.2022 01:42:07

HIGH BAND EDGE BLOCK-10M-100%RB

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Ref 27 dBm Att 25 dB RBW 100 kHz VBW 500 kHz SWT 10 ms Marker 1 [T1] -37.16 dBm 1.910040000 GHz

Offset 2 dB

1 3dB AVG

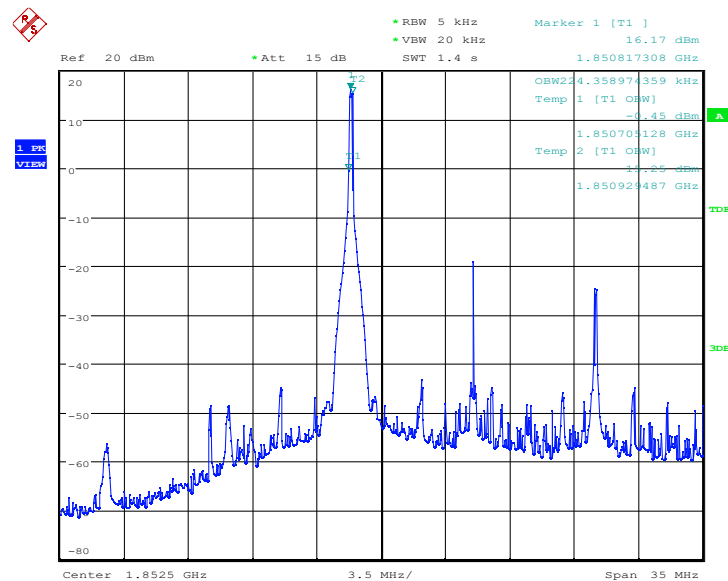
REMI

SWP 100 of 100

F1 F2

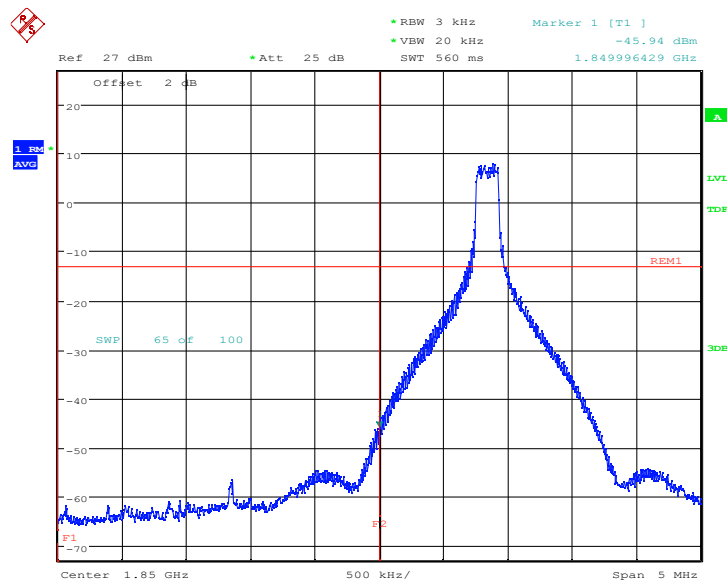
Center 1.91 GHz 2 MHz/ Span 20 MHz

OBW: 1RB-LOW_offset



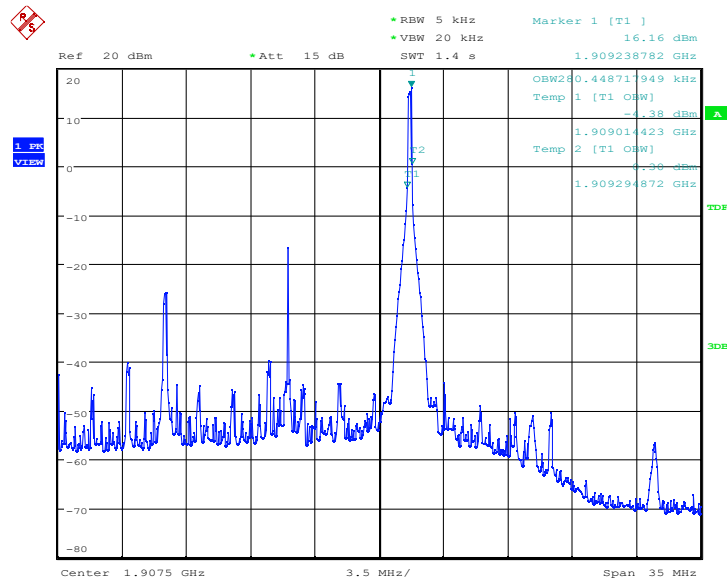
LOW BAND EDGE BLOCK-1RB-LOW_offset

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Date: 19.NOV.2022 01:47:02

OBW: 1RB-HIGH_offset

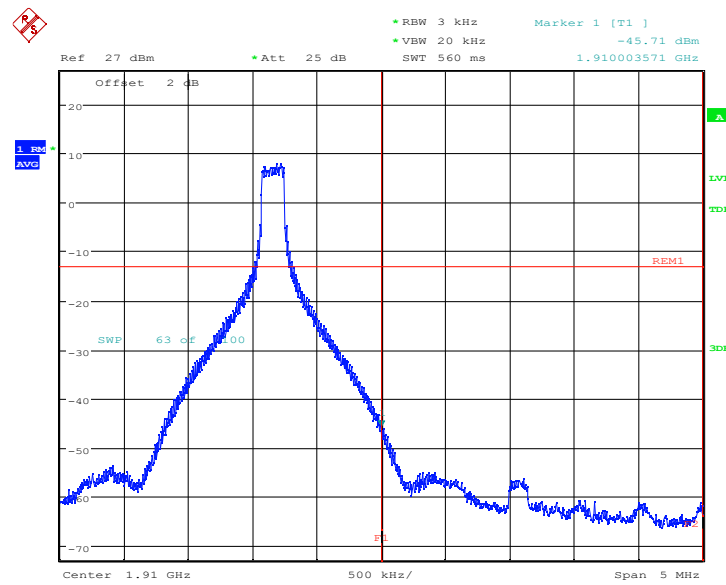


Date: 19.NOV.2022 01:48:10

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

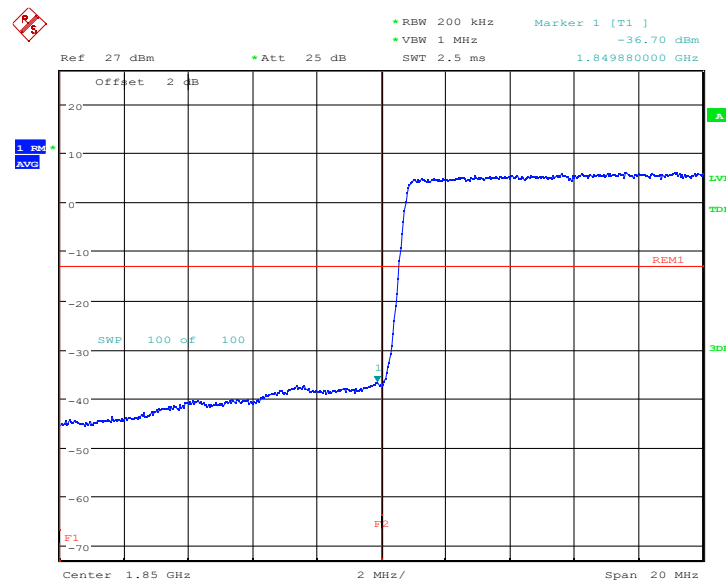
Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 01:49:47

LOW BAND EDGE BLOCK-15M-100%RB

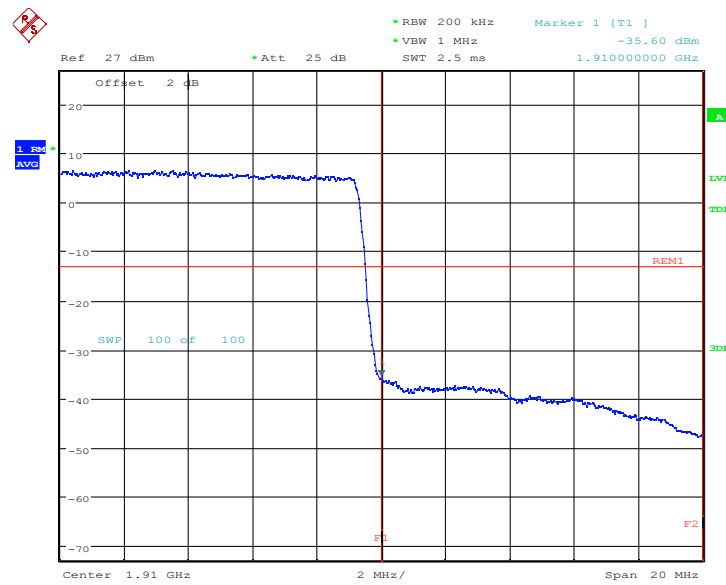


Date: 19.NOV.2022 01:47:46

HIGH BAND EDGE BLOCK-15M-100%RB

Chongqing Academy of Information and Communication Technology

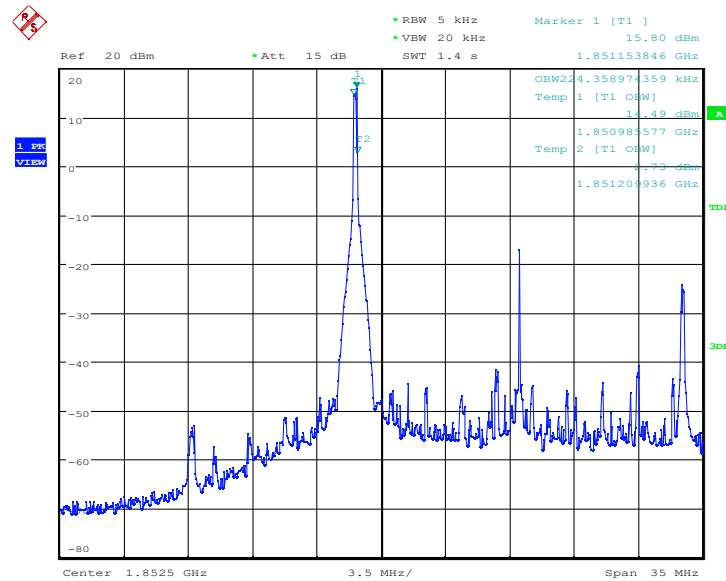
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Date: 19.NOV.2022 01:50:30

LTE band 2-20MHz

OBW: 1RB-LOW_offset



Date: 19.NOV.2022 01:51:06

LOW BAND EDGE BLOCK-1RB-LOW_offset

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Ref 27 dBm • Att 25 dB • RBW 3 kHz Marker 1 [T1] -55.25 dBm
 • VBW 20 kHz SWT 560 ms 1.849828571 GHz

Offset 2 dB

1 33d
 AVG

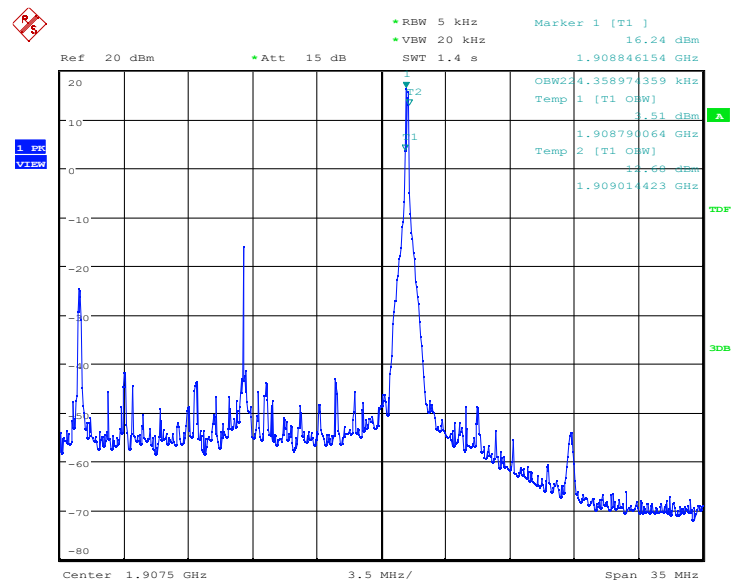
SWP 65 of 100

REM1

F1 F2

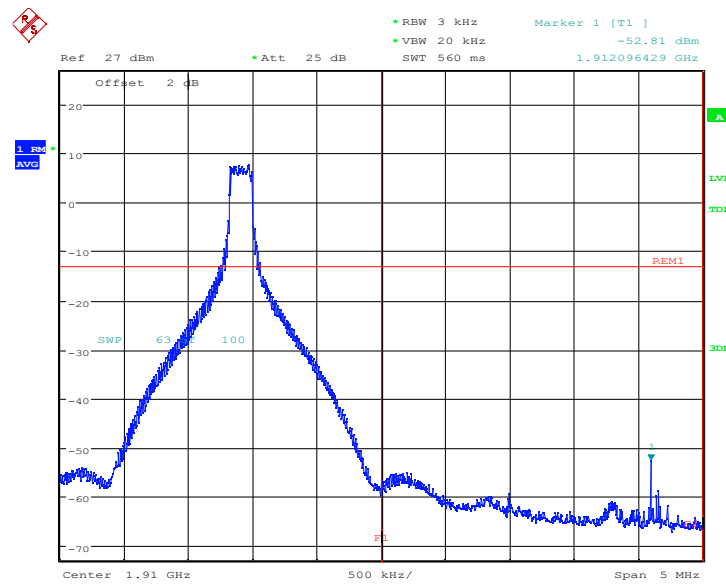
Center 1.85 GHz 500 kHz/ Span 5 MHz

OBW: 1RB-HIGH_offset



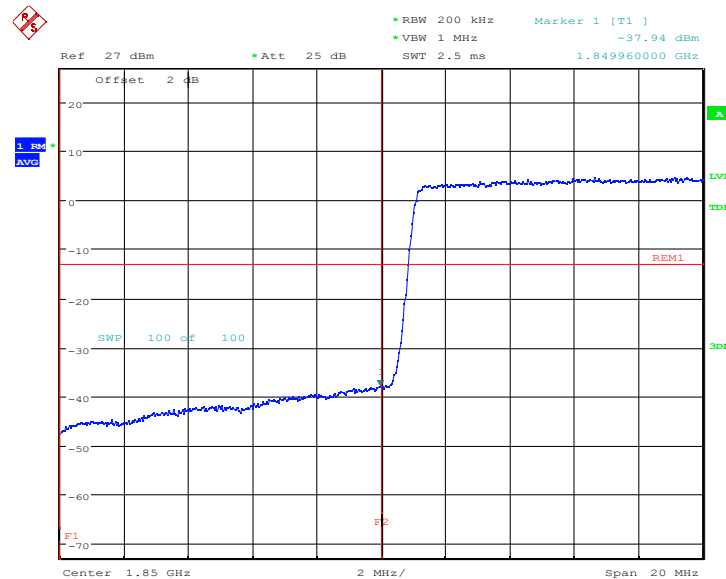
HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Date: 19.NOV.2022 01:55:26

LOW BAND EDGE BLOCK-20M-100%RB



Date: 19.NOV.2022 01:53:24

HIGH BAND EDGE BLOCK-20M-100%RB

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Offset 2 dB

Ref 27 dBm

Att 25 dB

RBW 200 kHz

VBW 1 MHz

SWT 2.5 ms

Marker 1 [T1]

-38.25 dBm

1.910240000 GHz

1 RBW

Avg

REMI

SWP 100 dB 100

F1

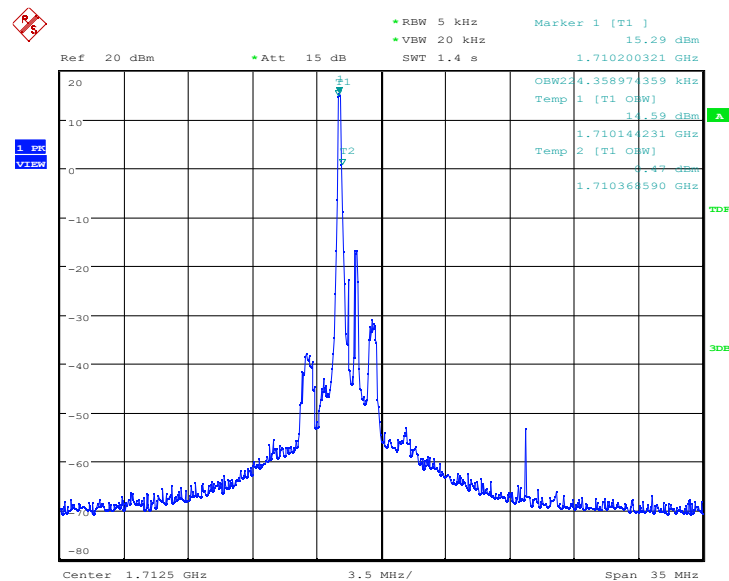
F2

Center 1.91 GHz

2 MHz/

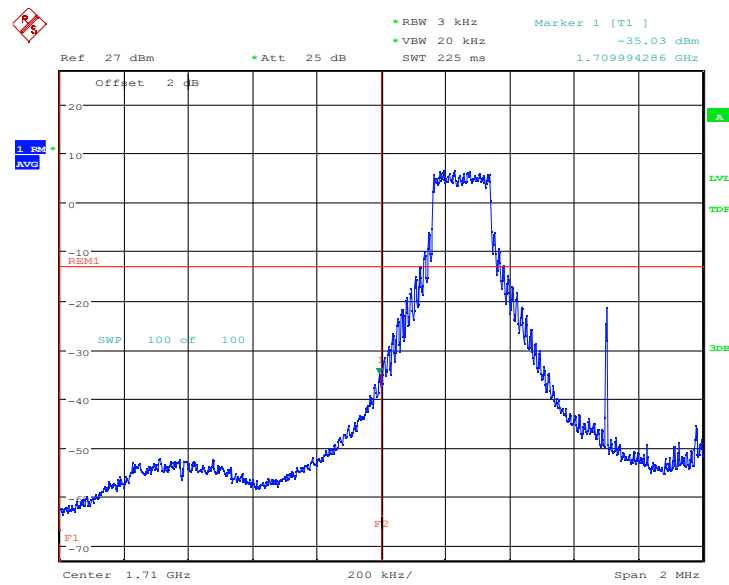
Span 20 MHz

OBW: 1RB-LOW_offset



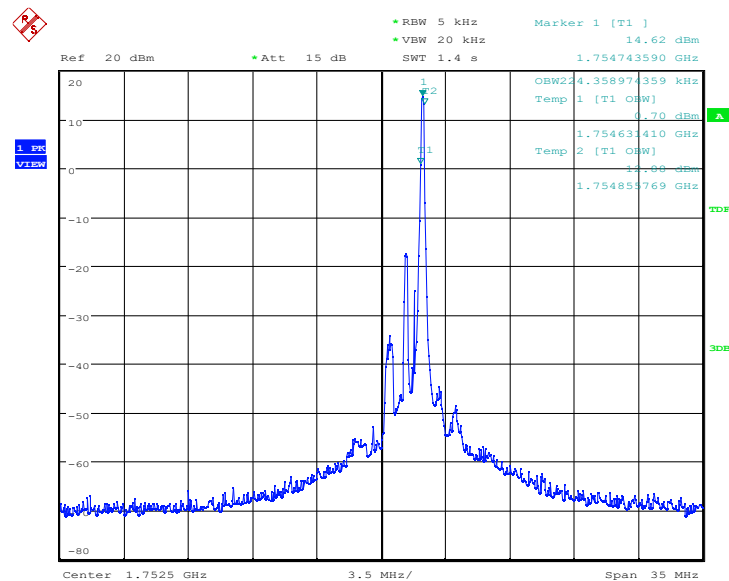
LOW BAND EDGE BLOCK-1RB-LOW_offset

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 01:57:46

OBW: 1RB-HIGH_offset

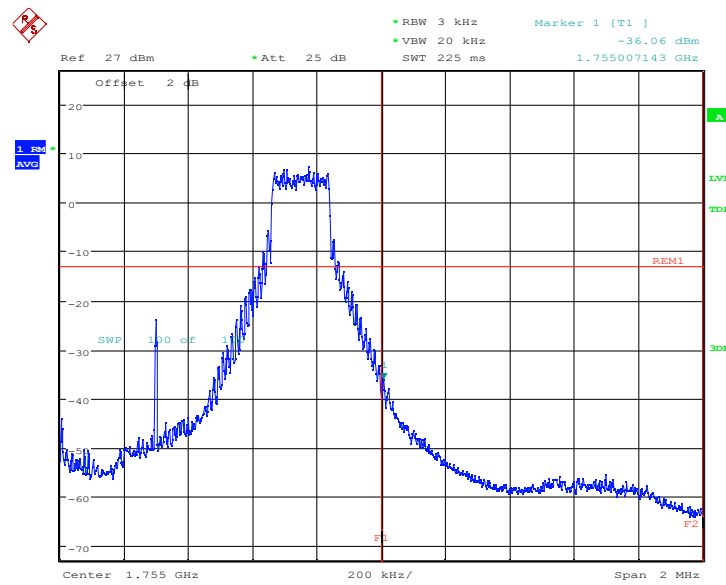


Date: 19.NOV.2022 01:59:02

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

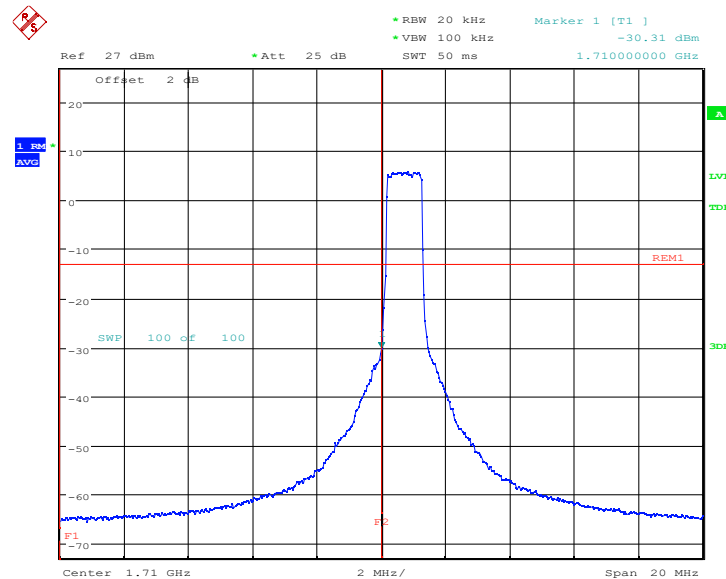
Chongqing Academy of Information and Communication Technology

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Date: 19.NOV.2022 02:00:03

LOW BAND EDGE BLOCK-1.4M-100%RB



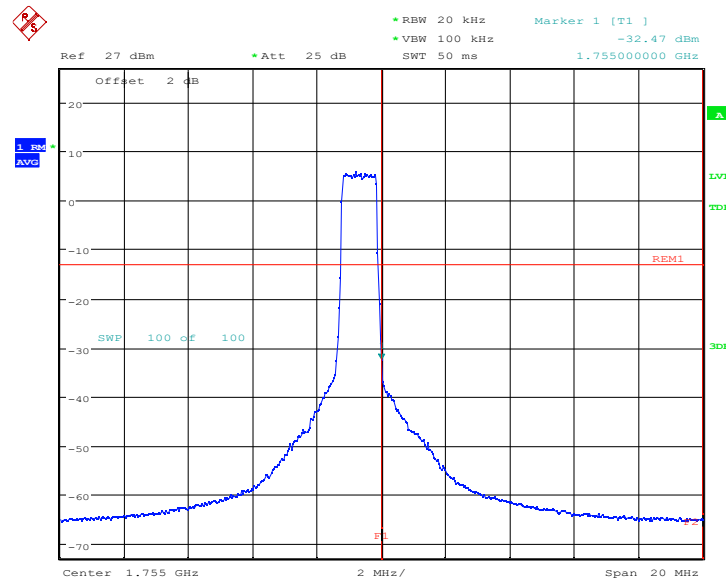
Date: 19.NOV.2022 01:58:37

HIGH BAND EDGE BLOCK-1.4M-100%RB

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

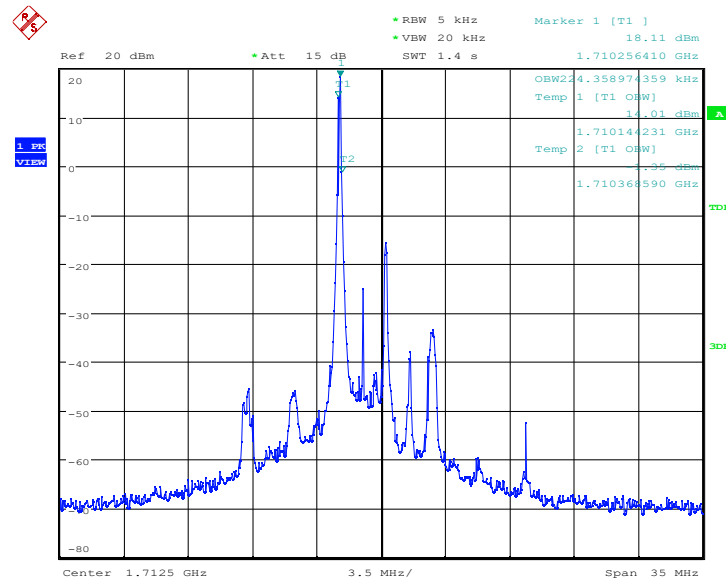
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 02:00:50

LTE band 4-3MHz

OBW: 1RB-LOW_offset

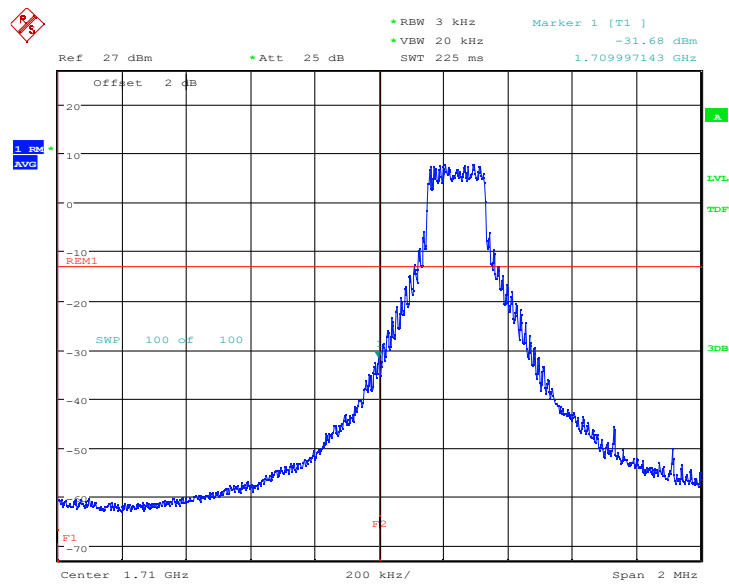


Date: 19.NOV.2022 02:01:24

LOW BAND EDGE BLOCK-1RB-LOW_offset

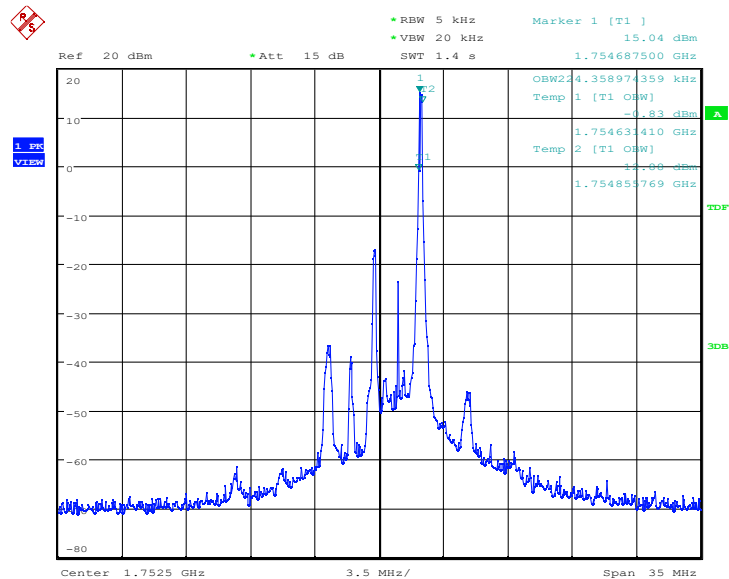
Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 19.NOV.2022 02:02:27

OBW: 1RB-HIGH_offset

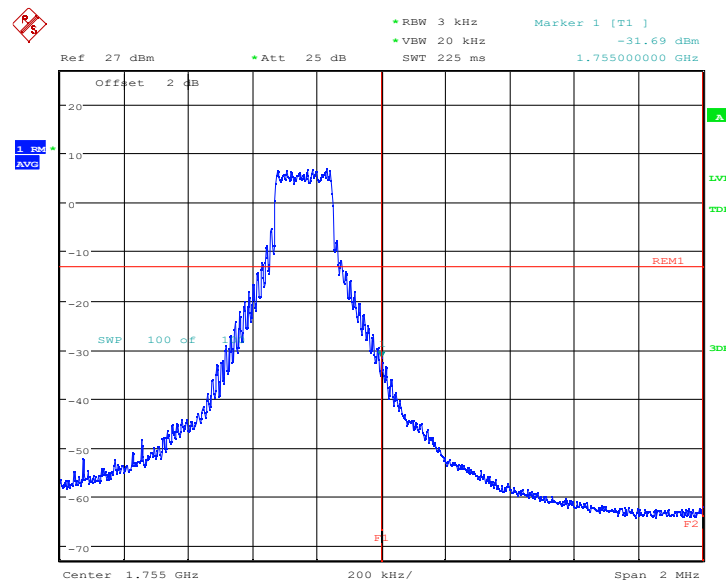


Date: 19.NOV.2022 02:03:37

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

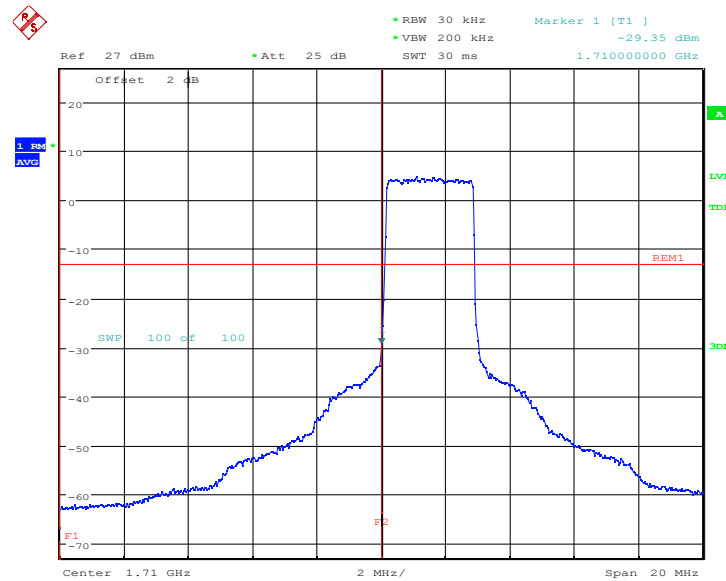
Chongqing Academy of Information and Communication Technology

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Date: 19.NOV.2022 02:04:38

LOW BAND EDGE BLOCK-3M-100%RB



Date: 19.NOV.2022 02:03:13

HIGH BAND EDGE BLOCK-3M-100%RB

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

[illegible]

RBW 5 kHz
 VBW 20 kHz
 SWT 1.4 s

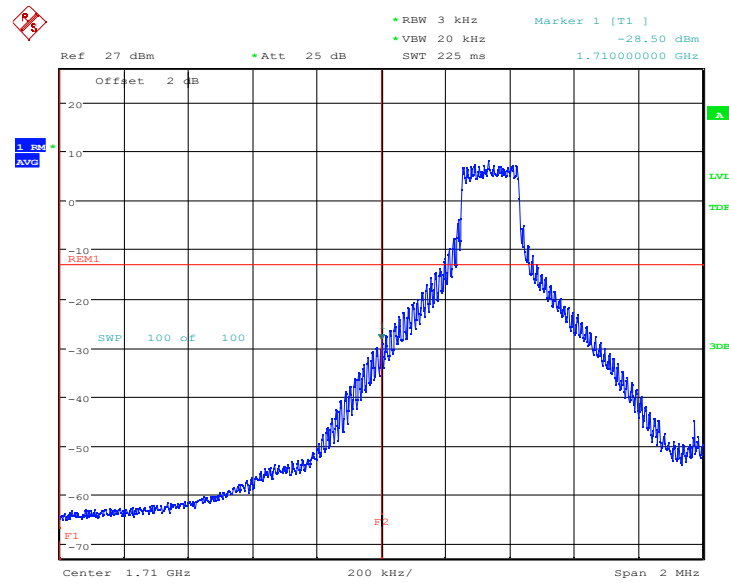
Ref 20 dBm
 Att 15 dB

Marker 1 [T1]
 1.710368590 GHz
 16.80 dBm

OBW240.44871949 kHz
 Temp 1 [T1] OHW
 -1.51 dBm
 1.710200321 GHz
 Temp 2 [T1] OHW
 -1.32 dBm
 1.710480769 GHz

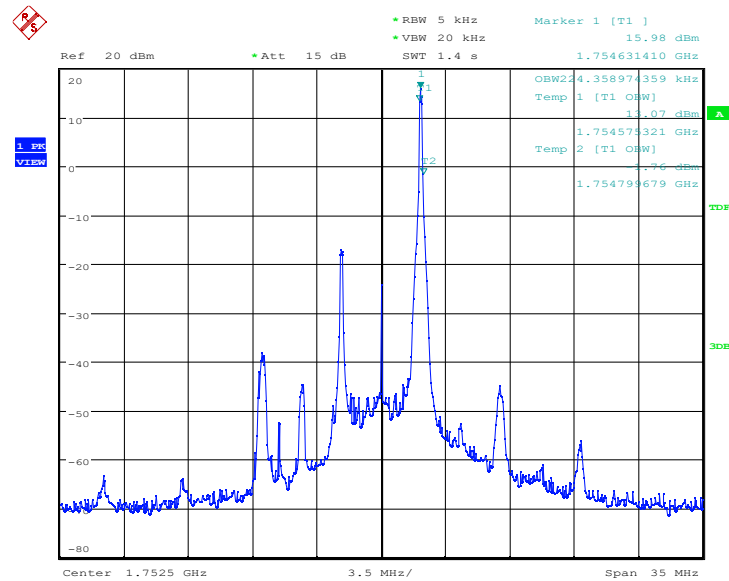
Center 1.7125 GHz
 Span 35 MHz
 3.5 MHz/

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Date: 19.NOV.2022 02:07:03

OBW: 1RB-HIGH_offset

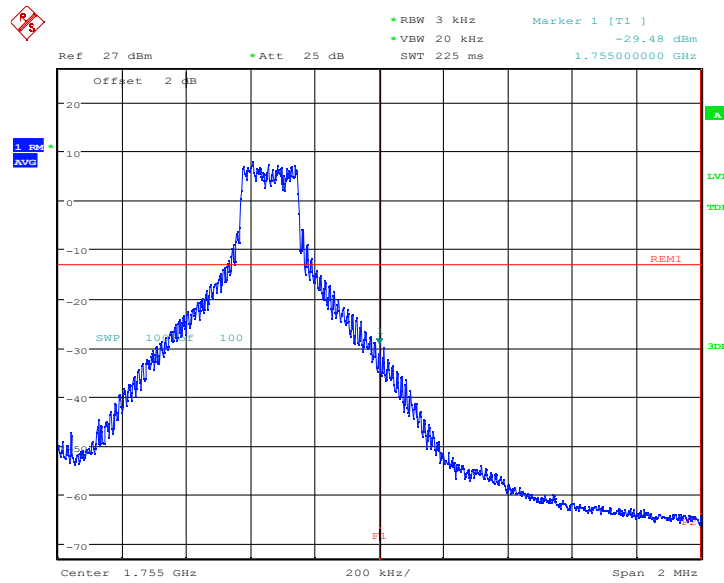


Date: 19.NOV.2022 02:08:11

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

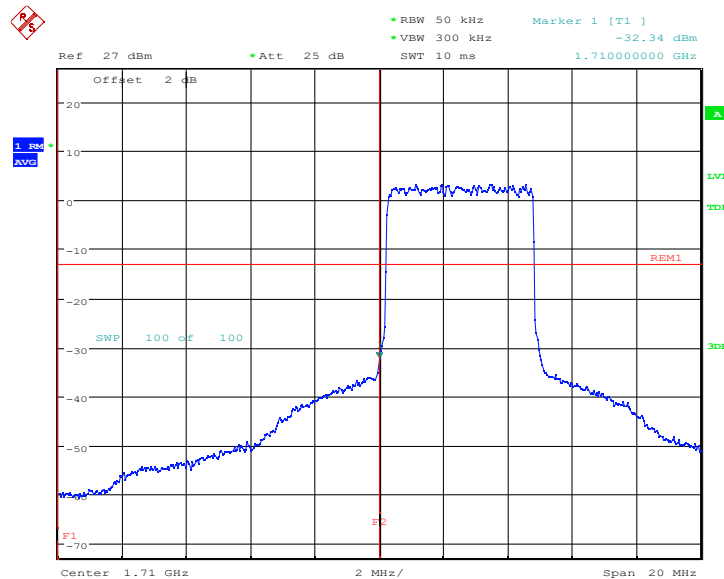
Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:09:13

LOW BAND EDGE BLOCK-5M-100%RB

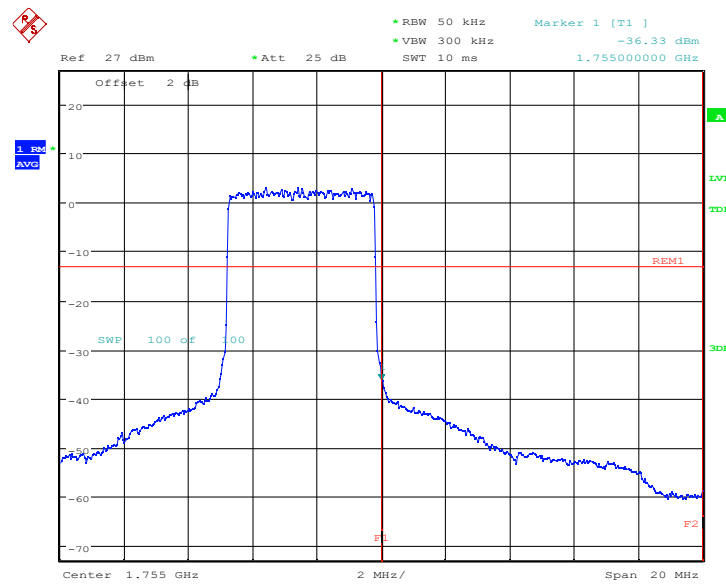


Date: 19.NOV.2022 02:07:47

HIGH BAND EDGE BLOCK-5M-100%RB

Chongqing Academy of Information and Communication Technology

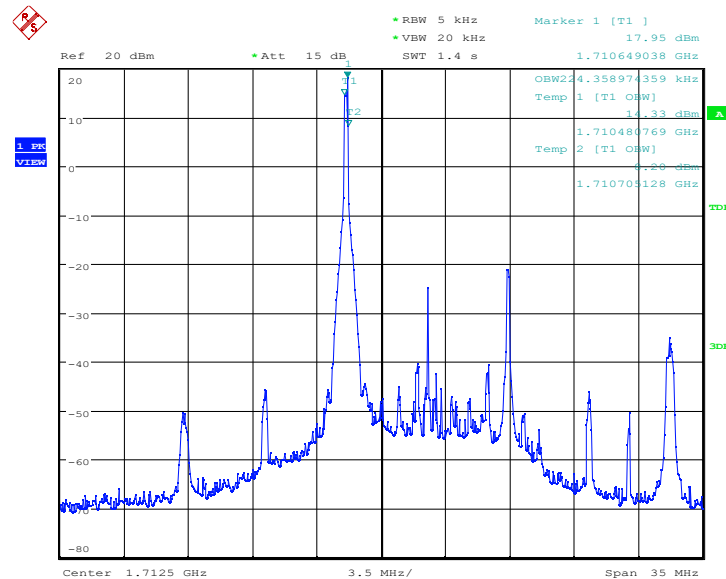
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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:09:56

LTE band 4-10MHz

OBW: 1RB-LOW_offset



Date: 19.NOV.2022 02:10:37

LOW BAND EDGE BLOCK-1RB-LOW_offset

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Tel: 0086-23-88069965 FAX:0086-23-88608777



Ref 27 dBm • Att 25 dB • RBW 3 kHz Marker 1 [T1] -37.62 dBm
 • VBW 20 kHz SWT 225 ms 1.71000000 GHz

Offset 2 dB

1 33d
 AVG

REML

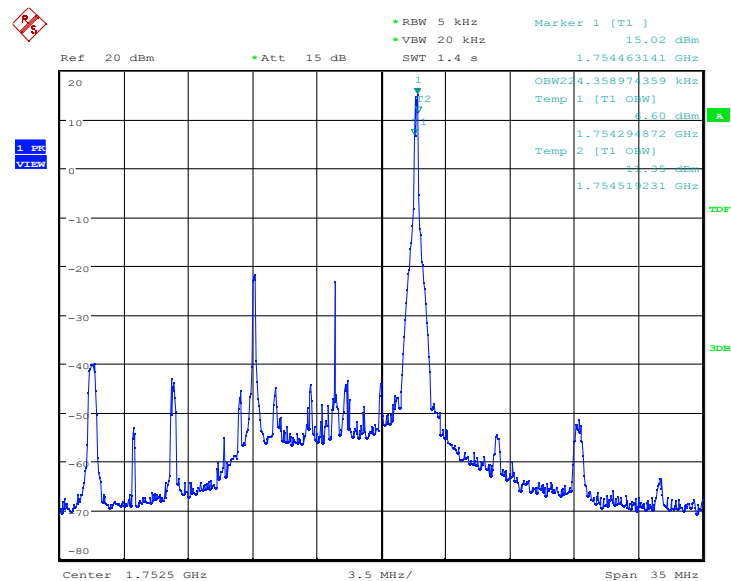
SWP 100 of 100

F1

F2

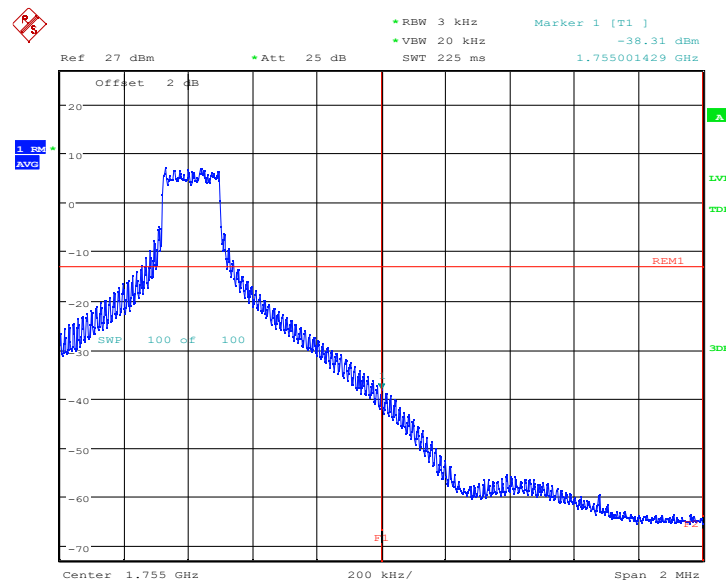
Center 1.71 GHz 200 kHz/ Span 2 MHz

OBW: 1RB-HIGH_offset



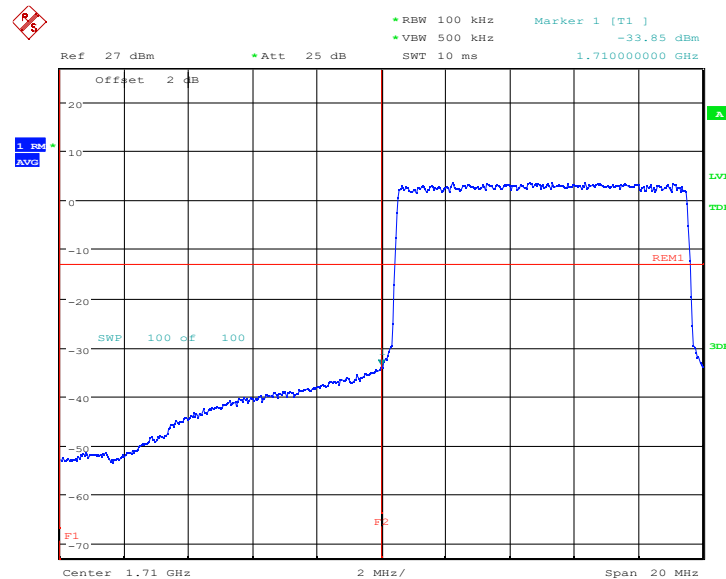
HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:13:57

LOW BAND EDGE BLOCK-10M-100%RB



Date: 19.NOV.2022 02:12:26

HIGH BAND EDGE BLOCK-10M-100%RB

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Ref 27 dBm Att 25 dB RBW 100 kHz VBW 500 kHz SWT 10 ms Marker 1 [T1] -37.06 dBm 1.755000000 GHz

Offset 2 dB

1 19d AVG

REMI

SWP 100 of 100

F1

F2

Center 1.755 GHz 2 MHz/ Span 20 MHz

Ref 20 dB Att 15 dB RBW 5 kHz VBW 20 kHz SWT 1.4 s

Marker 1 [T1] 16.55 dBm 1.710873397 GHz

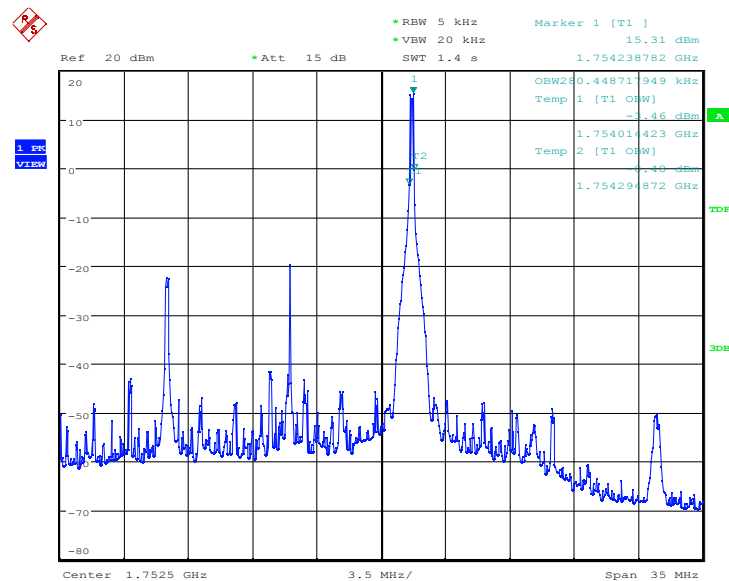
OBW224.358974359 kHz
Temp 1 [T1 OBW] -0.72 dBm
1.710701128 GHz
2 [T1 OBW] 16.02 dBm
1.710924487 GHz

Center 1.7125 GHz 3.5 MHz/ Span 35 MHz

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OBW: 1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Ref 27 dBm • Att 25 dB • RBW 3 kHz Marker 1 [T1] -46.34 dBm
 • VBW 20 kHz SWT 225 ms 1.755001429 GHz

Offset 2 dB

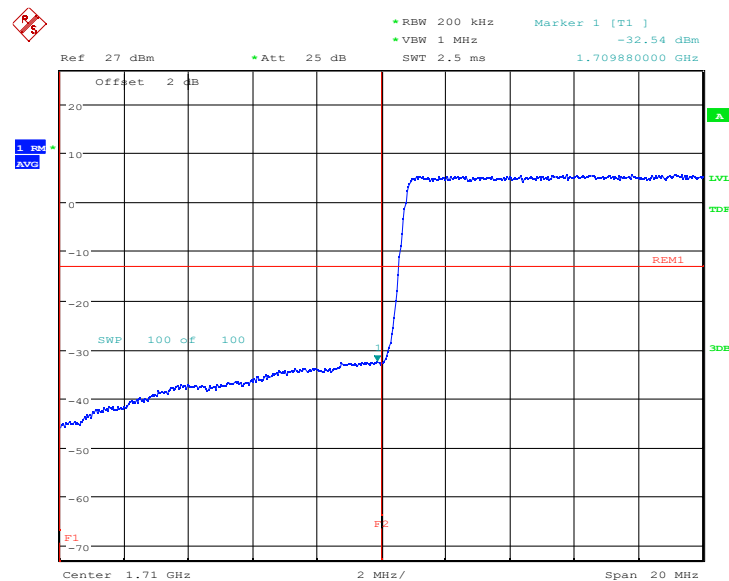
1.755 GHz

REMI

SWP 100 dB

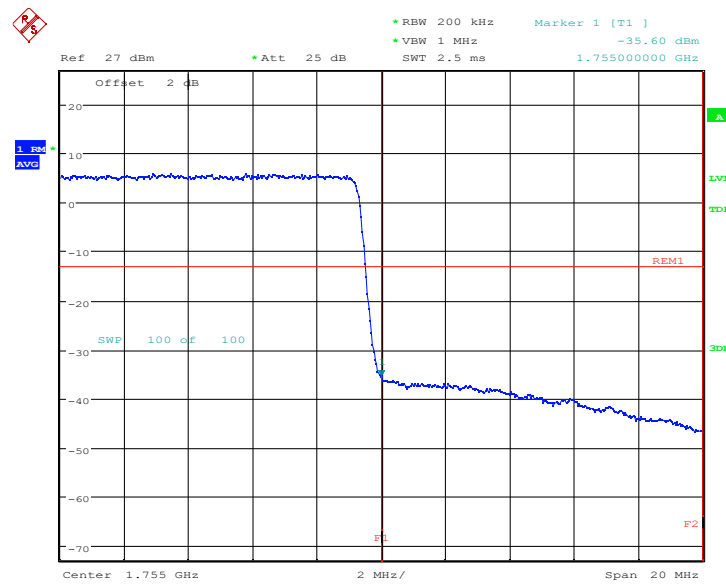
Center 1.755 GHz 200 kHz/ Span 2 MHz

LOW BAND EDGE BLOCK-15M-100%RB



HIGH BAND EDGE BLOCK-15M-100%RB

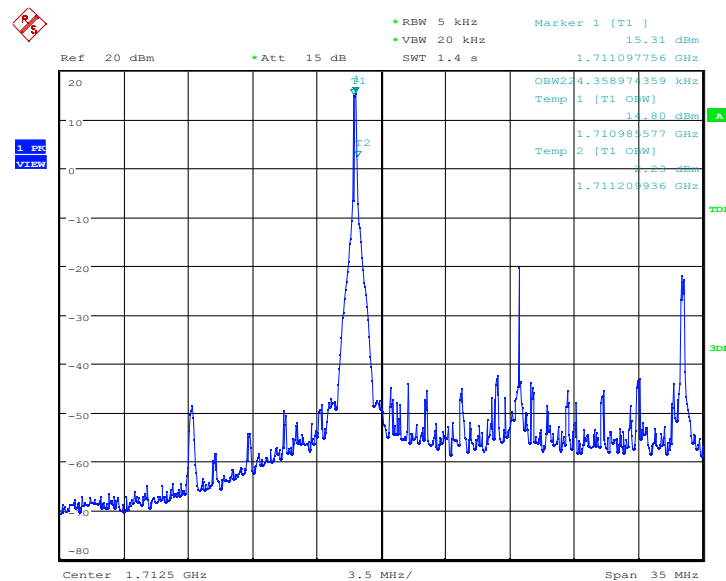
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Date: 19.NOV.2022 02:19:08

LTE band 4-20MHz

OBW: 1RB-LOW_offset



Date: 19.NOV.2022 02:19:43

LOW BAND EDGE BLOCK-1RB-LOW_offset

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Offset 2 dB

Ref 27 dBm

Att 25 dB

RBW 3 kHz

VBW 20 kHz

SWT 225 ms

Marker 1 [T1]

-55.17 dBm

1.709830000 GHz

1 3dB

AVG

RM1

SWP 100 of 100

F1

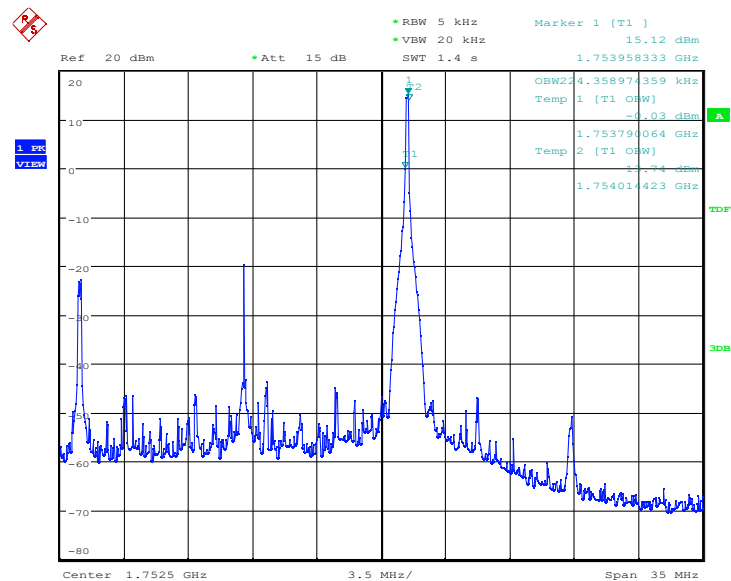
F2

Center 1.71 GHz

200 kHz/

Span 2 MHz

OBW: 1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Ref 27 dBm • Att 25 dB • RBW 3 kHz Marker 1 [T1] -55.95 dBm
 • VBW 20 kHz SWT 225 ms 1.755170000 GHz

Offset 2 dB

1 3dB
 AVG

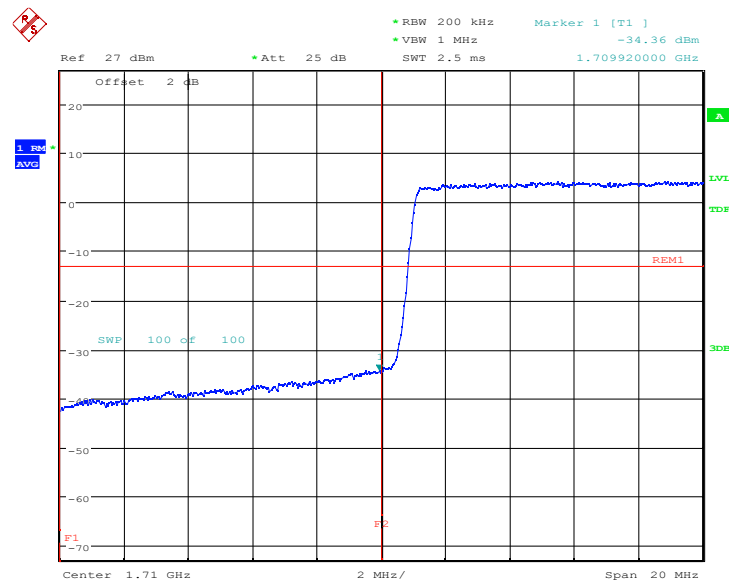
REMI

SWP 20 100

1

Center 1.755 GHz 200 kHz/ Span 2 MHz

LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

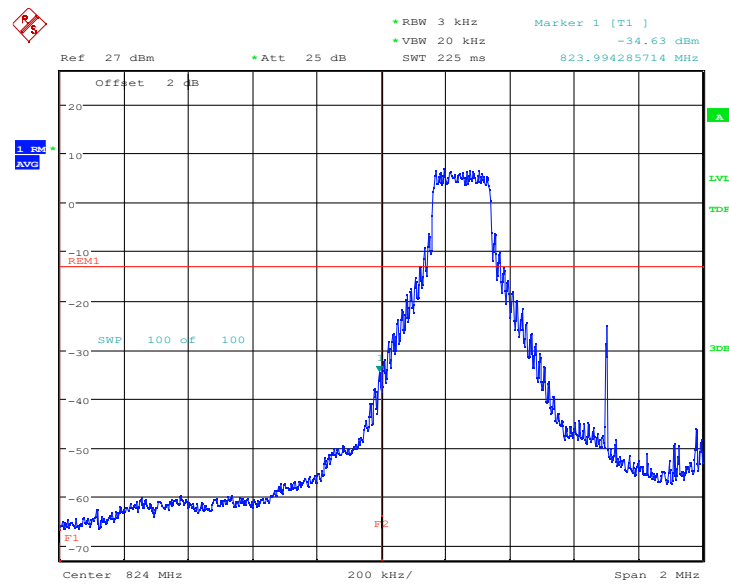
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777



The screenshot displays a spectrum analyzer interface. The main plot shows a blue trace representing the signal spectrum. The x-axis is labeled 'Center 1.755 GHz' and 'Span 20 MHz'. The y-axis represents power in dBm, ranging from -70 to 20. A sharp drop in the signal is visible at 2 MHz, marked by a vertical red line. The signal level drops from approximately 5 dBm to -40 dBm. The plot is overlaid with a grid. Various parameters are displayed on the screen, including 'Ref 27 dBm', 'Att 25 dB', 'RBW 200 kHz', 'VBW 1 MHz', 'SWT 2.5 ms', and 'Marker 1 [T1] -37.25 dBm'. The text 'Offset 2 dB' is also visible. The bottom status bar shows 'Center 1.755 GHz', '2 MHz/', and 'Span 20 MHz'.

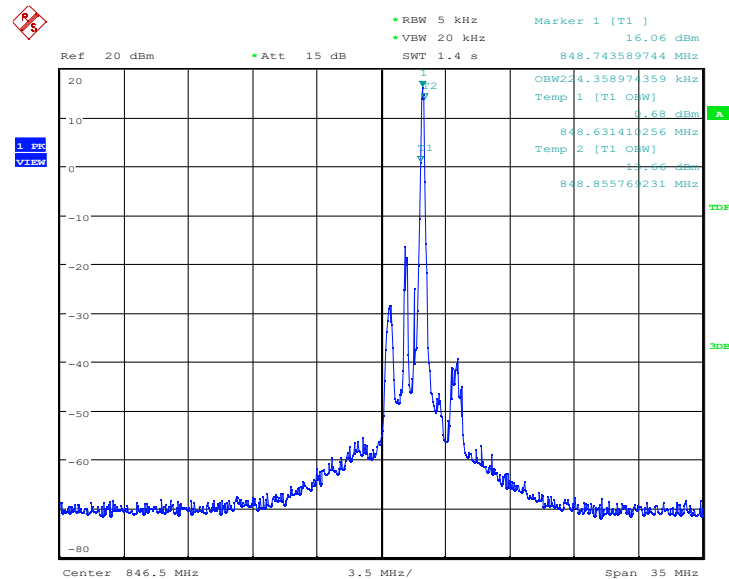
• RBW 5 kHz
 • VBW 20 kHz
 Marker 1 [T1]
 14.66 dBm
 824.200320513 MHz
 Ref 20 dBm
 • Att 15 dB
 SWT 1.4 s
 OBW244.358974359 kHz
 Temp 1 [T1 OBW]
 1.38 dBm
 824.144230769 MHz
 Temp 2 [T1 OBW]
 1.23 dBm
 824.368589744 MHz
 1 dB
 1.5 dB
 Center 826.5 MHz
 3.5 MHz/
 Span 35 MHz

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Date: 19.NOV.2022 02:25:59

OBW: 1RB-HIGH_offset

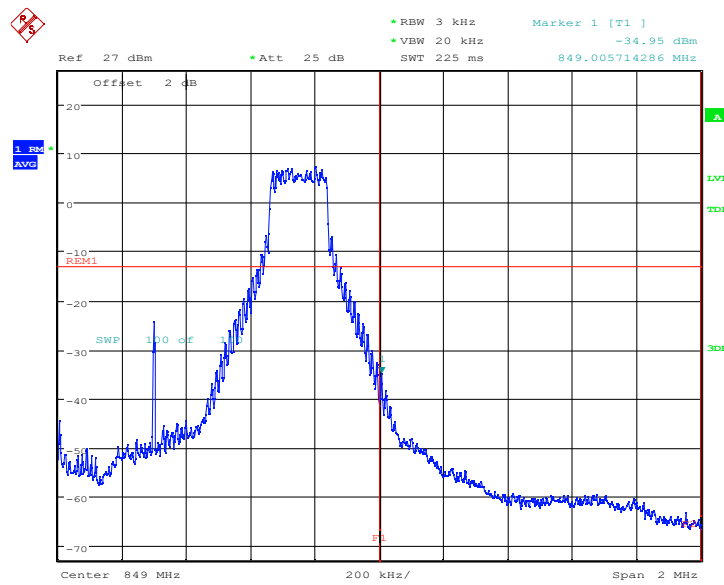


Date: 19.NOV.2022 02:27:09

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

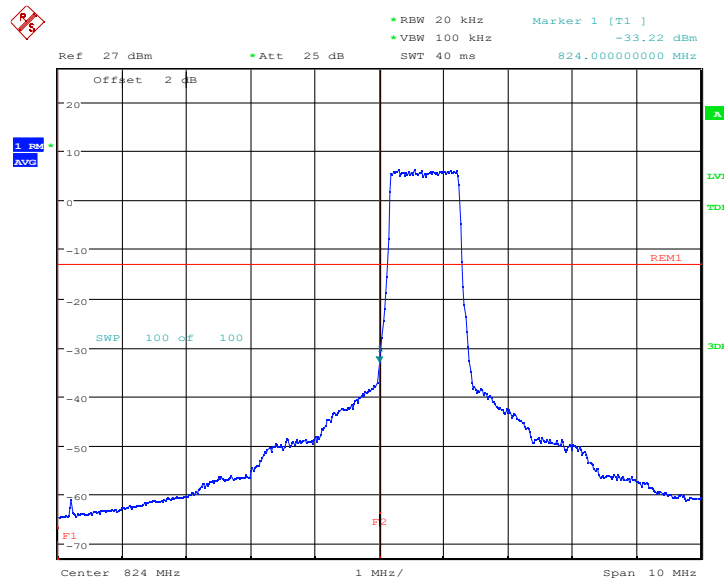
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 19.NOV.2022 02:28:10

LOW BAND EDGE BLOCK-1.4M-100%RB

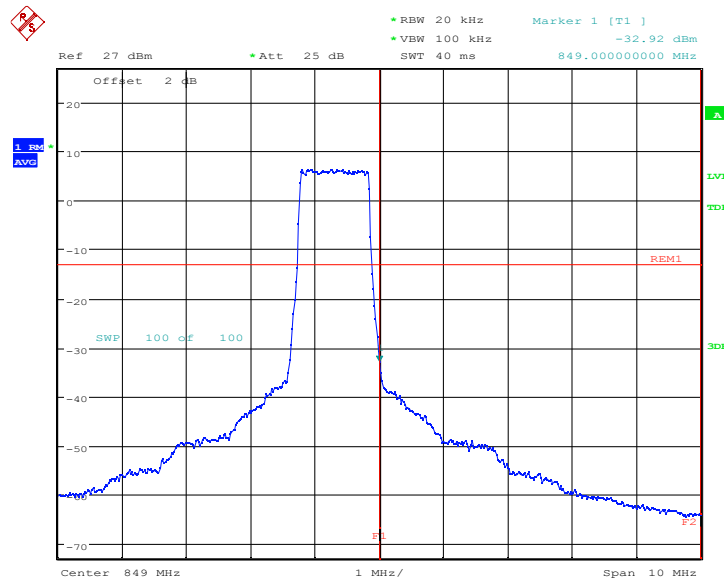


Date: 19.NOV.2022 02:26:44

HIGH BAND EDGE BLOCK-1.4M-100%RB

Chongqing Academy of Information and Communication Technology

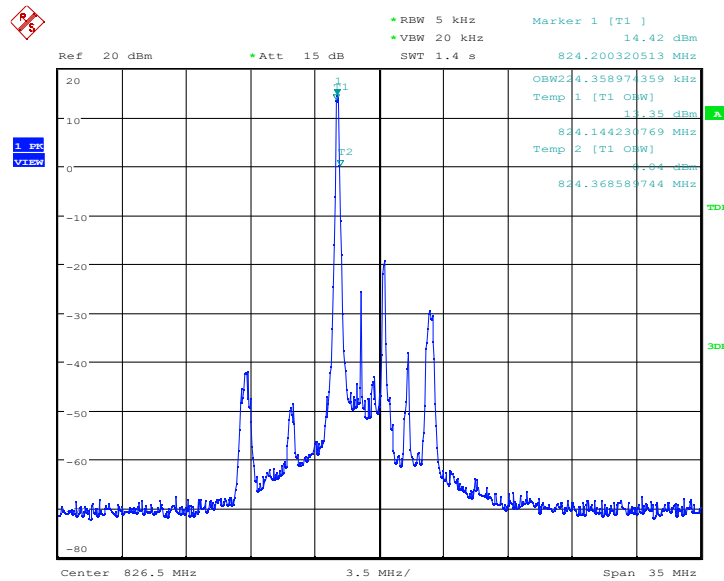
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:28:55

LTE band 5-3MHz

OBW: 1RB-LOW_offset



Date: 19.NOV.2022 02:29:25

LOW BAND EDGE BLOCK-1RB-LOW_offset

Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX:0086-23-88608777



Ref 27 dBm * Att 25 dB * RBW 3 kHz * VBW 20 kHz Marker 1 [T1] -30.76 dBm
SWT 225 ms 823.998571429 MHz

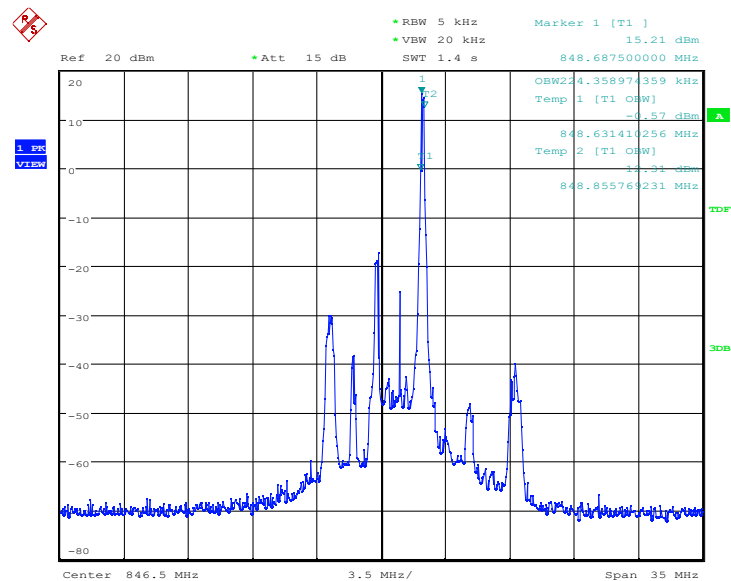
Offset 2 dB

1 33d AVG

SWP 100 of 100

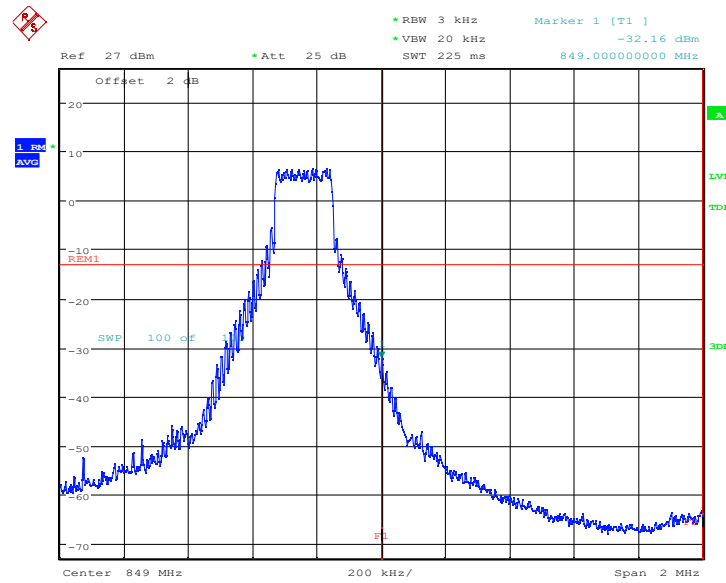
Center 824 MHz 200 kHz/ Span 2 MHz

OBW: 1RB-HIGH_offset



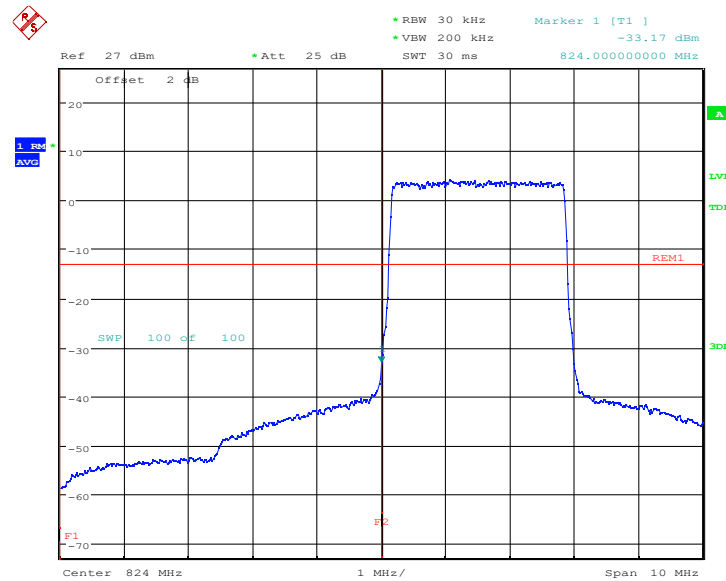
HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:32:36

LOW BAND EDGE BLOCK-3M-100%RB



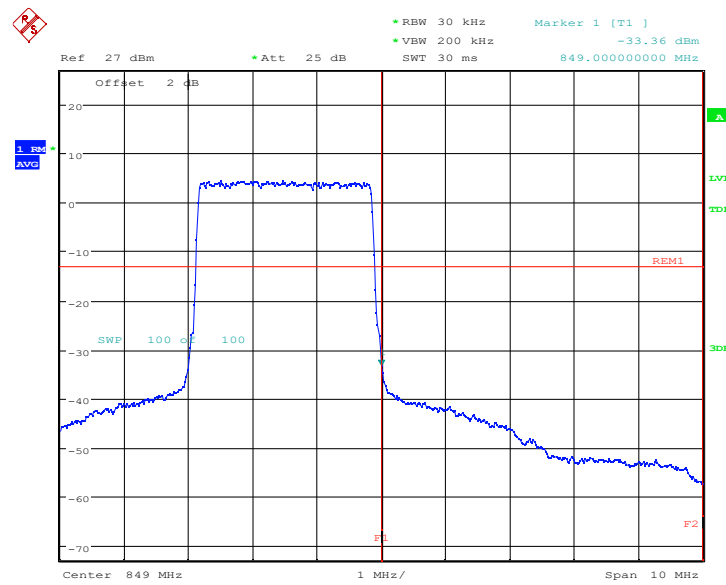
Date: 19.NOV.2022 02:31:10

HIGH BAND EDGE BLOCK-3M-100%RB

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

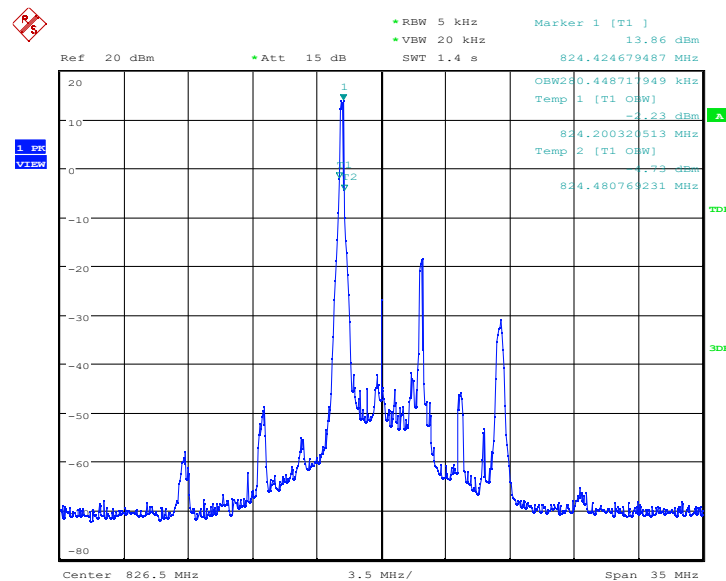
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 02:33:21

LTE band 5-5MHz

OBW: 1RB-LOW_offset

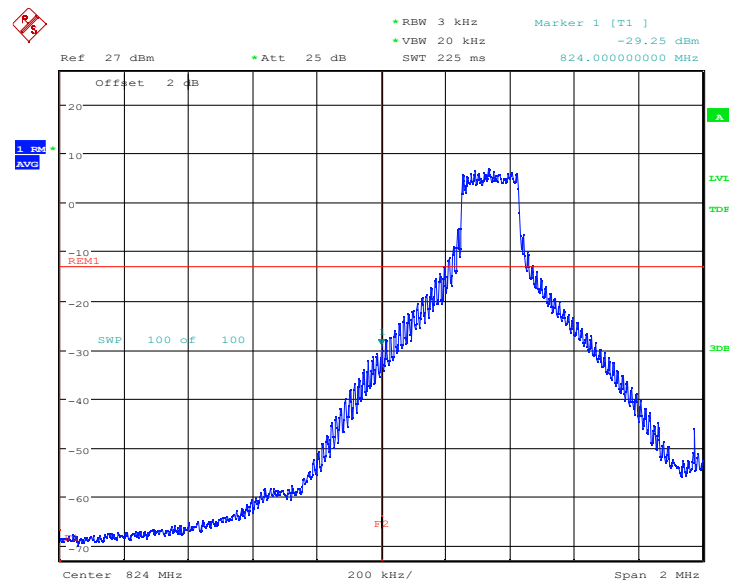


Date: 19.NOV.2022 02:33:55

LOW BAND EDGE BLOCK-1RB-LOW_offset

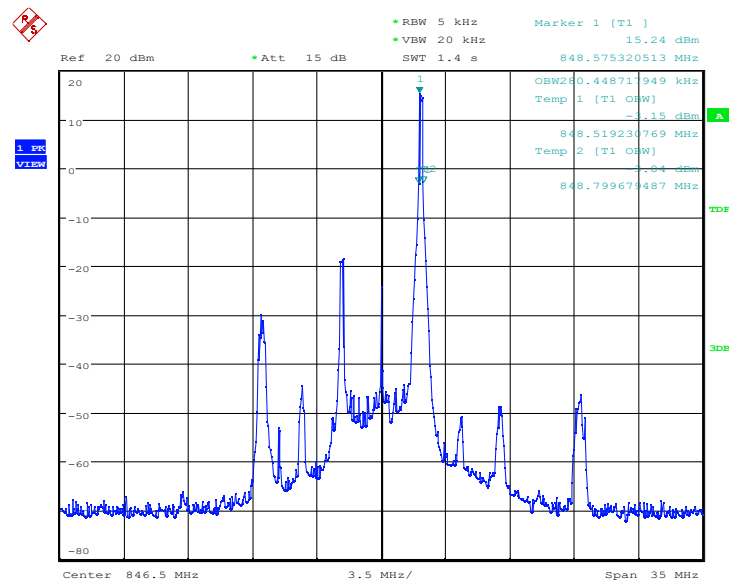
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 19.NOV.2022 02:34:56

OBW: 1RB-HIGH_offset

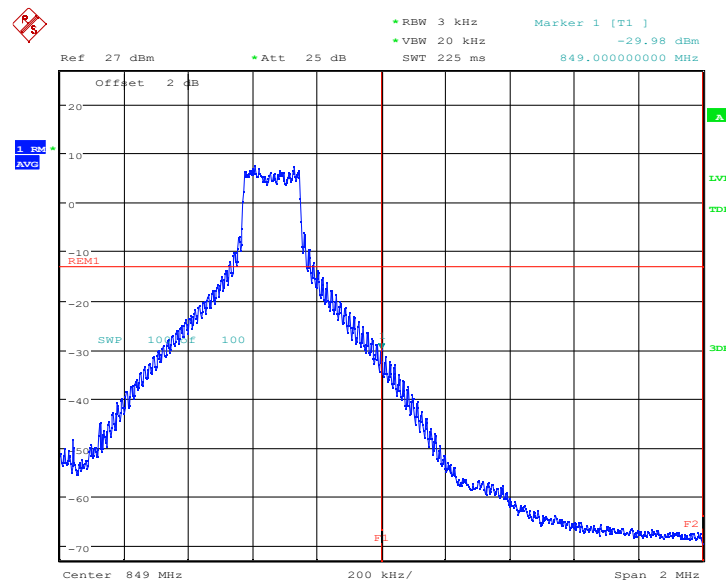


Date: 19.NOV.2022 02:36:02

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

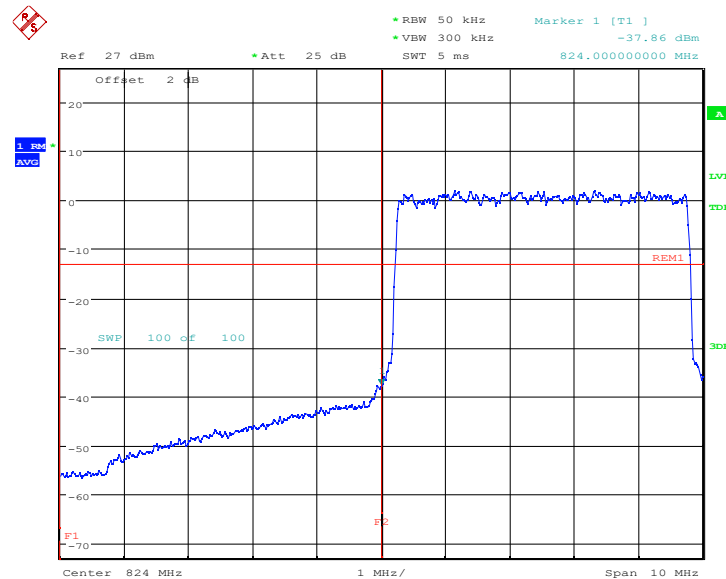
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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:37:04

LOW BAND EDGE BLOCK-5M-100%RB



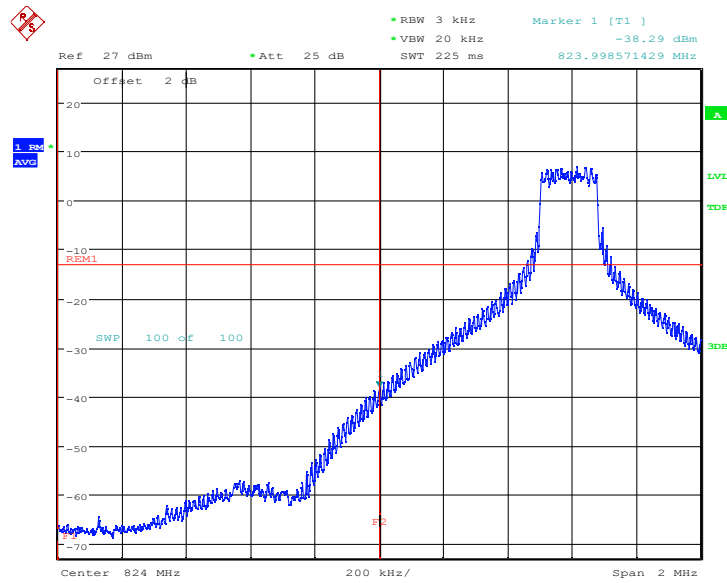
Date: 19.NOV.2022 02:35:38

HIGH BAND EDGE BLOCK-5M-100%RB

Chongqing Academy of Information and Communication Technology

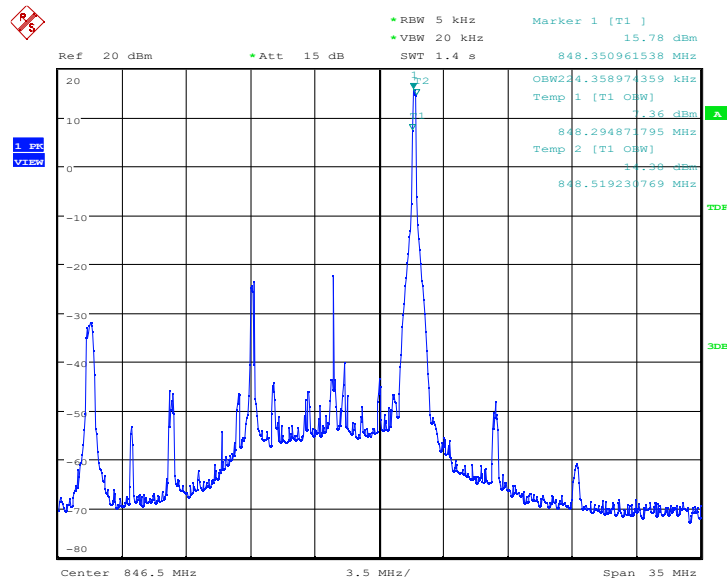
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777





Date: 19.NOV.2022 02:39:24

OBW: 1RB-HIGH_offset

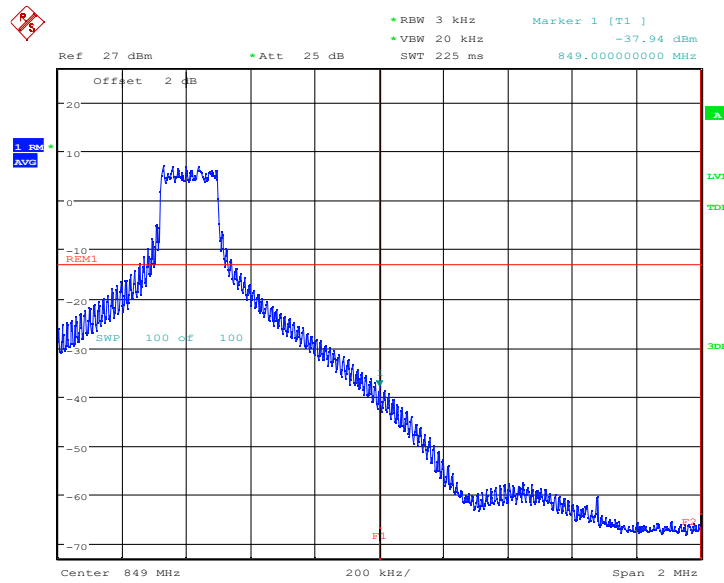


Date: 19.NOV.2022 02:40:37

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

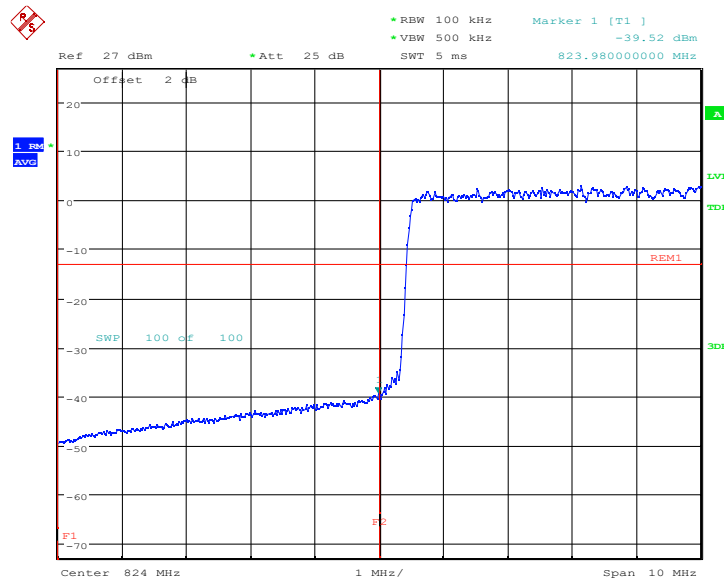
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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 02:41:38

LOW BAND EDGE BLOCK-10M-100%RB



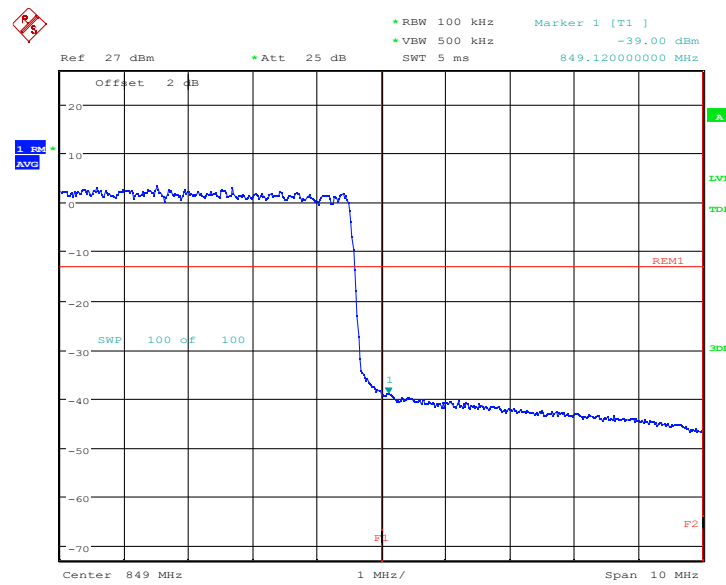
Date: 19.NOV.2022 02:40:07

HIGH BAND EDGE BLOCK-10M-100%RB

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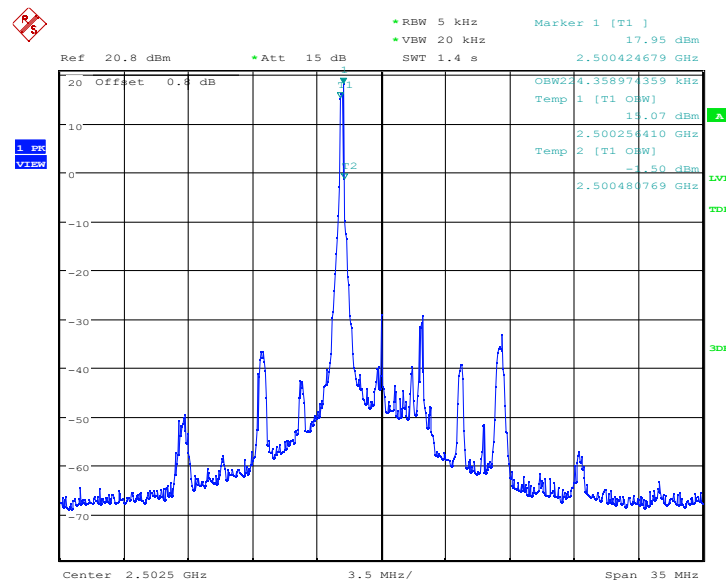
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 02:42:21

LTE band 7-5MHz

OBW: 1RB-LOW_offset

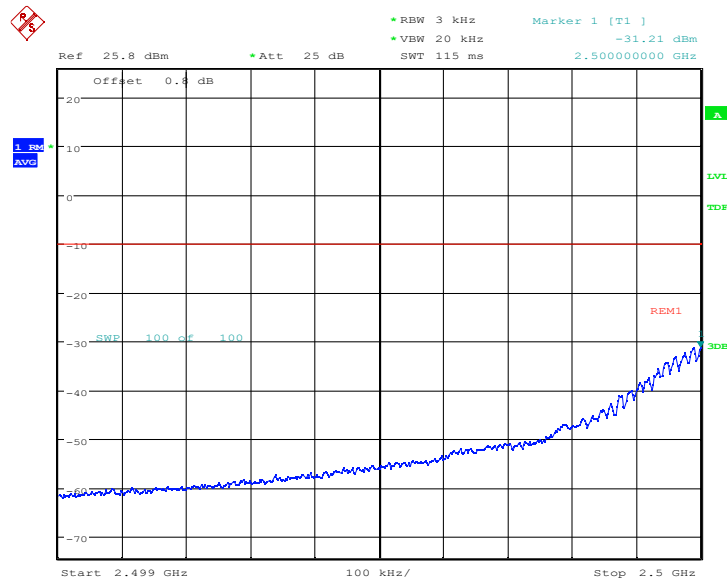


Date: 6.DEC.2022 14:58:50

LOW BAND EDGE BLOCK-1RB-LOW_offset

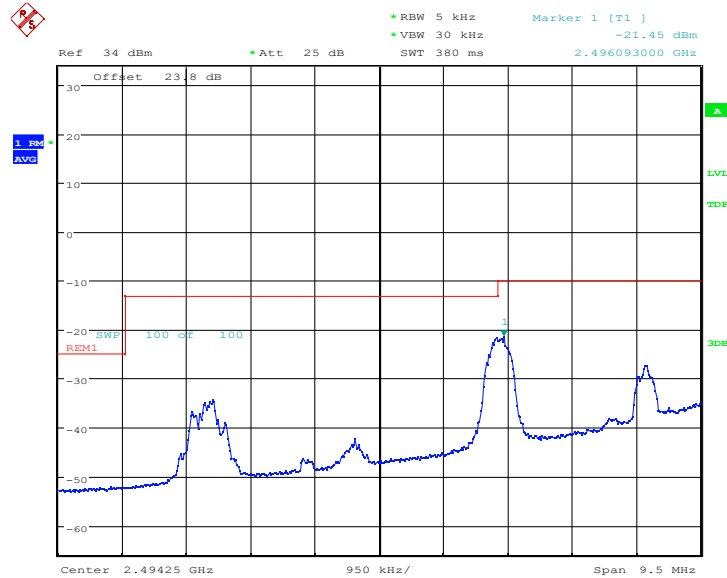
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 6.DEC.2022 14:59:44

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)



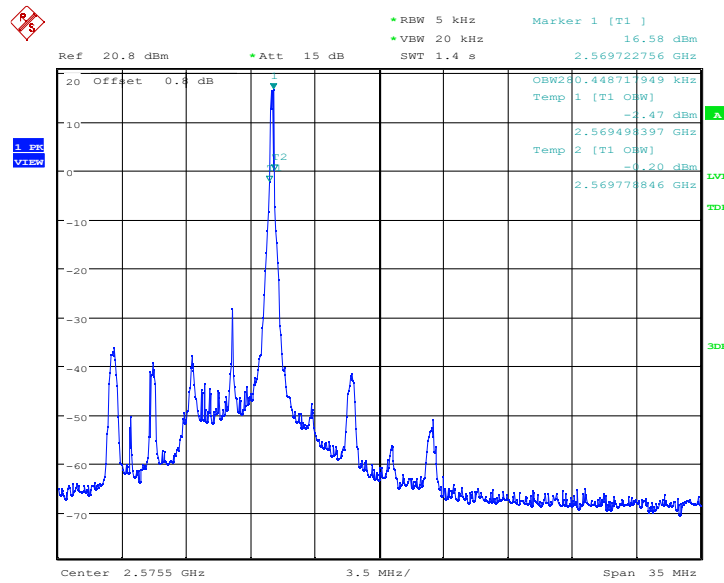
Date: 6.DEC.2022 15:01:04

OBW: 1RB-HIGH_offset

Chongqing Academy of Information and Communication Technology

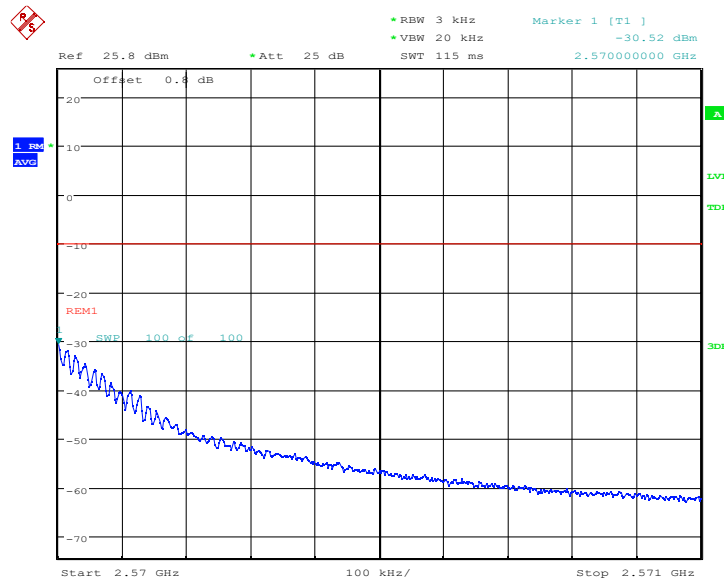
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:03:27

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

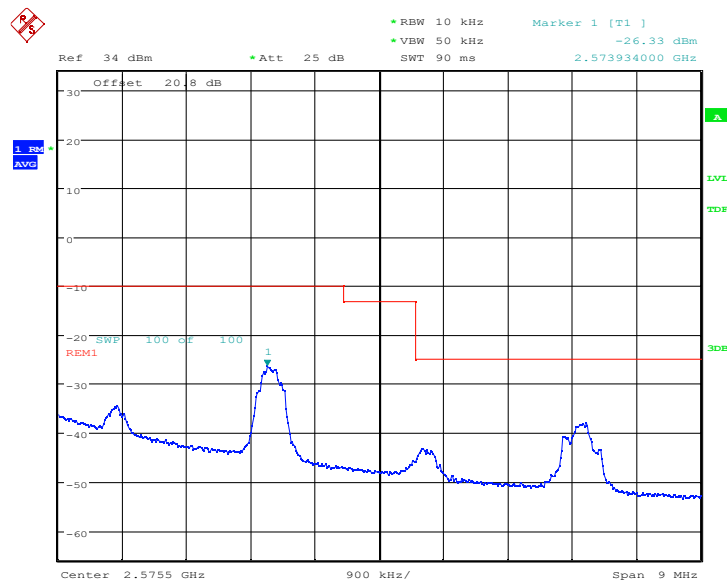


Date: 6.DEC.2022 15:04:21

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/10)

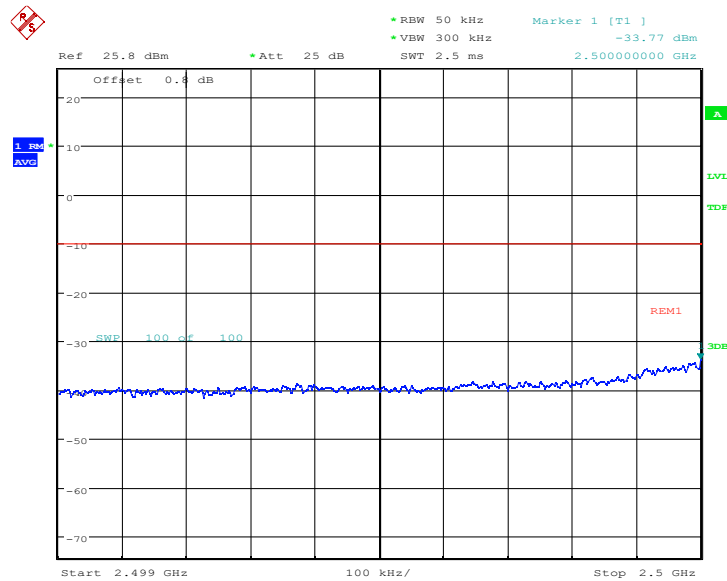
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Date: 6.DEC.2022 15:06:23

LOW BAND EDGE BLOCK-5M-100%RB

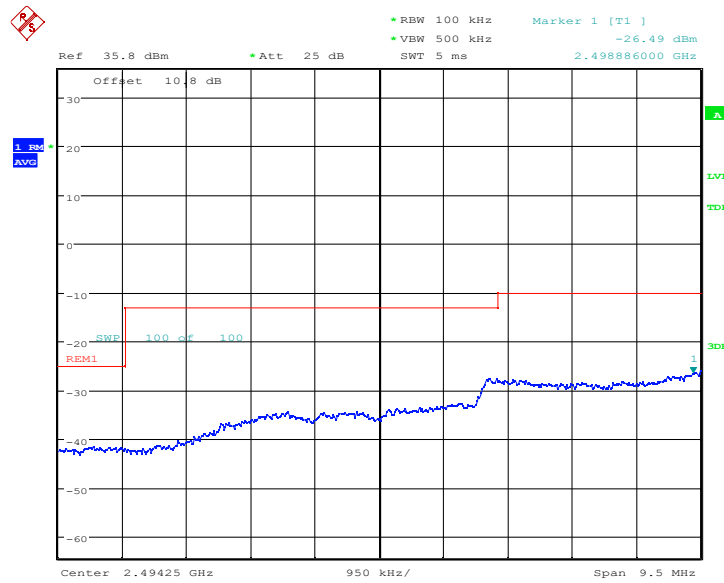


Date: 6.DEC.2022 15:01:58

LOW BAND EDGE BLOCK-5M-100%RB_offset:0.8+10log(1000/100)

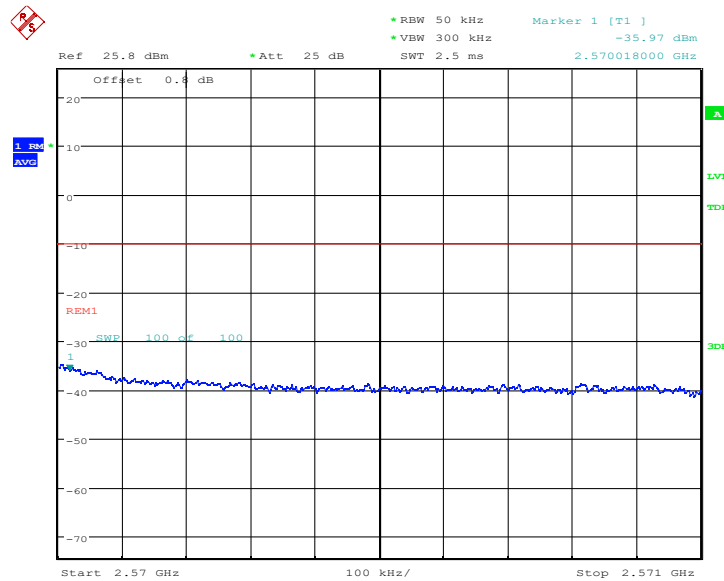
Chongqing Academy of Information and Communication Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 6.DEC.2022 15:03:00

HIGH BAND EDGE BLOCK-5M-100%RB



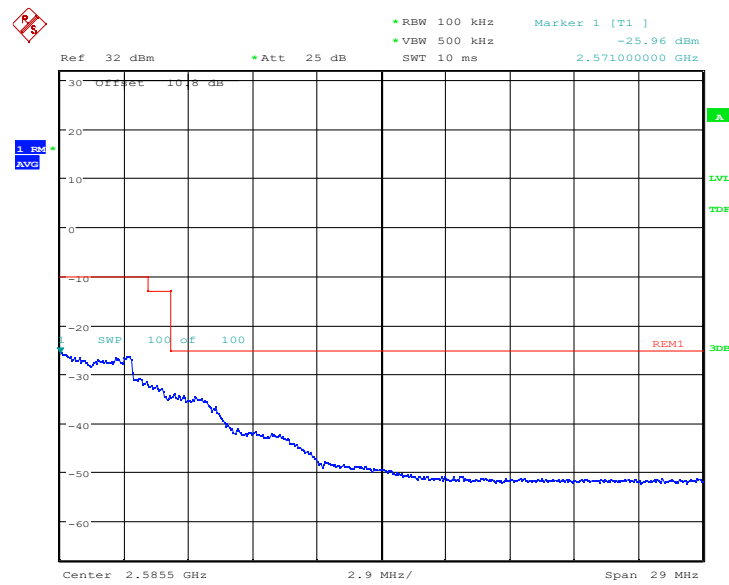
Date: 6.DEC.2022 15:07:08

HIGH BAND EDGE BLOCK-5M-100%RB_offset:0.8+10log(1000/100)

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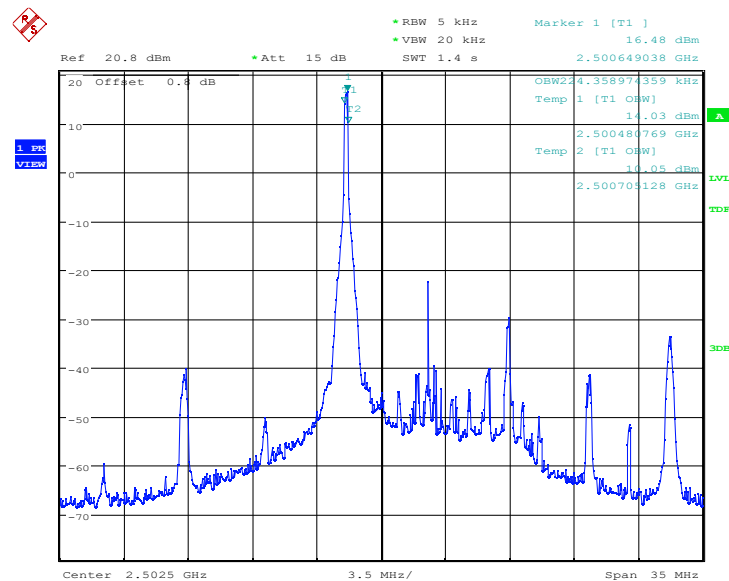
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:08:12

LTE band 7-10MHz

OBW: 1RB-LOW_offset



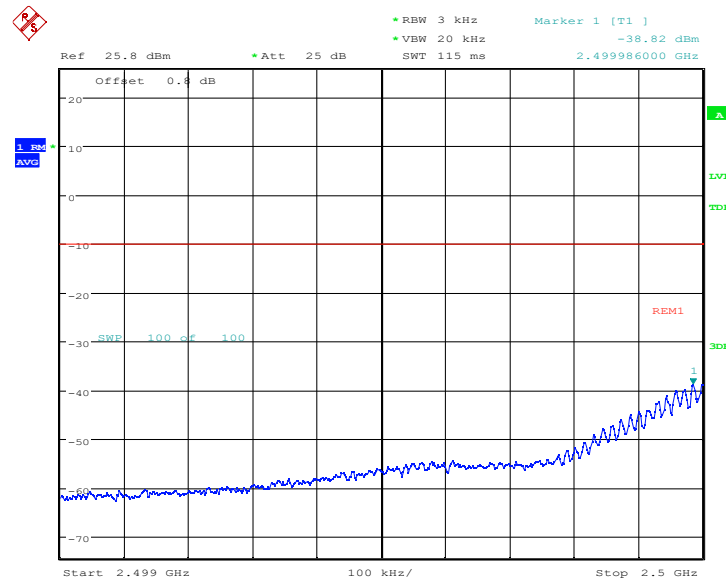
Date: 6.DEC.2022 15:08:43

LOW BAND EDGE BLOCK-1RB-LOW_offset

Chongqing Academy of Information and Communication Technology

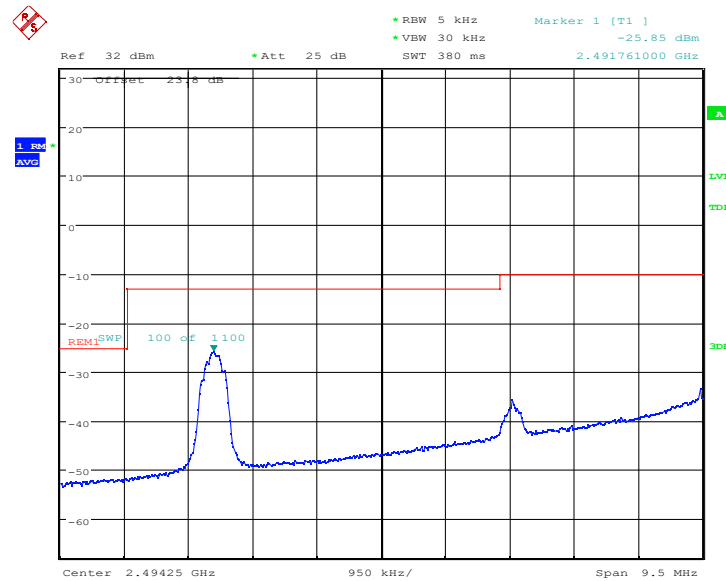
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:09:37

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)



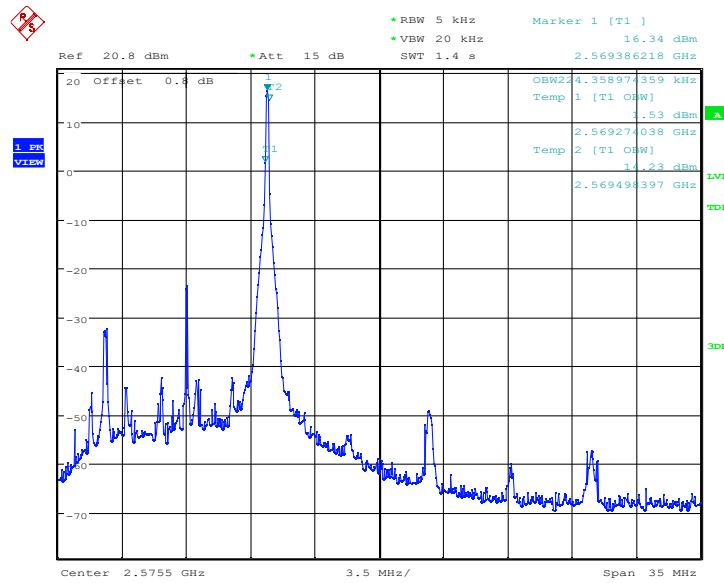
Date: 6.DEC.2022 15:11:28

OBW: 1RB-HIGH_offset

Chongqing Academy of Information and Communication Technology

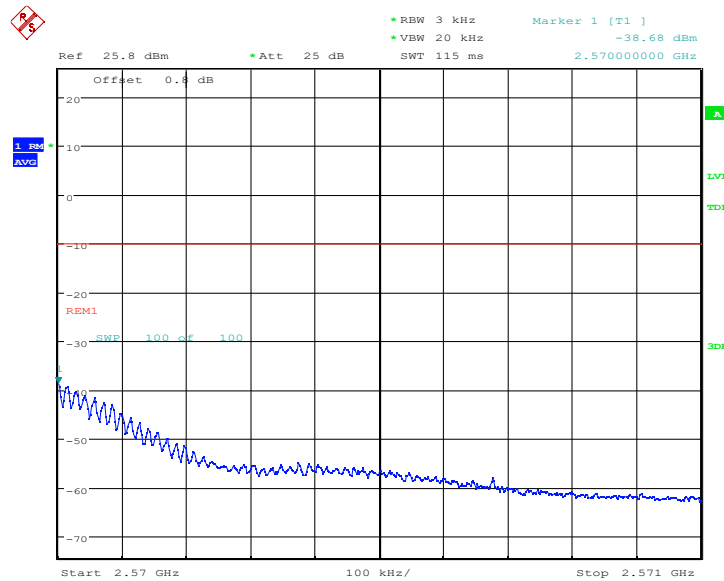
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:11:54

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



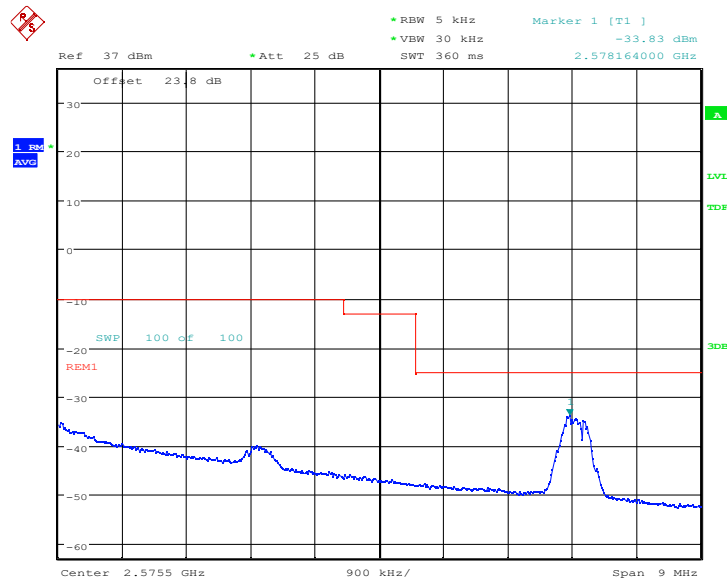
Date: 6.DEC.2022 15:12:48

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/5)

Chongqing Academy of Information and Communication Technology

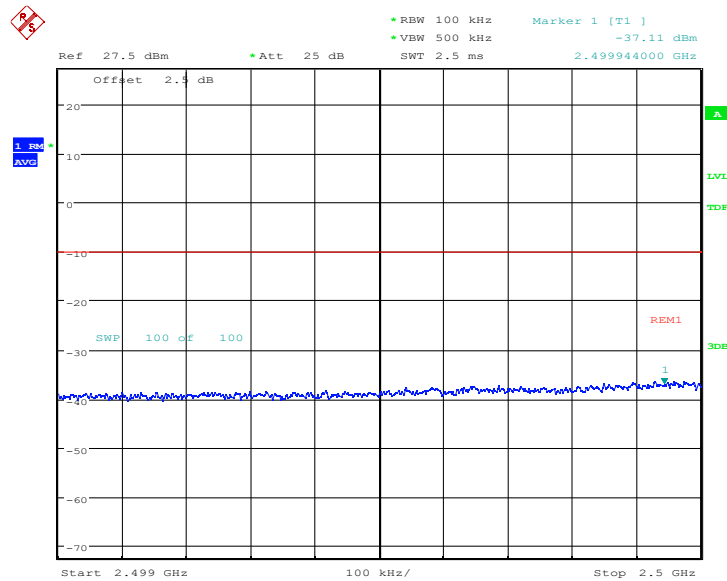
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:13:58

LOW BAND EDGE BLOCK-10M-100%RB

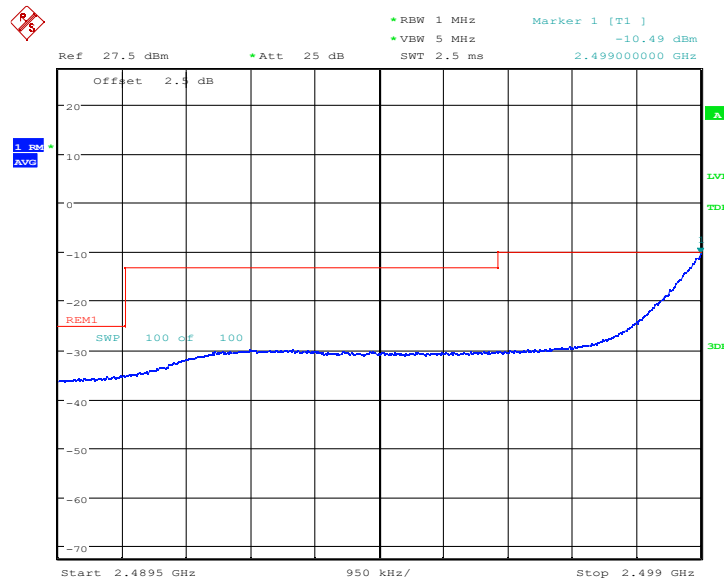


Date: 5.DEC.2022 21:16:32

LOW BAND EDGE BLOCK-10M-100%RB

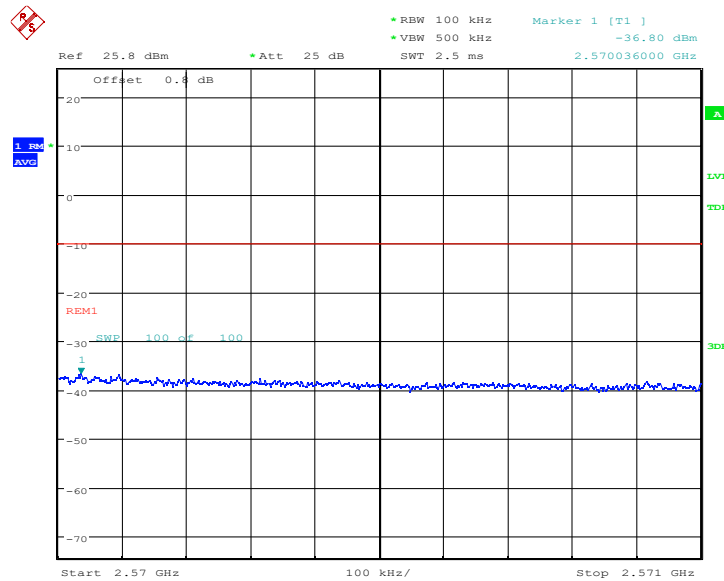
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Date: 5.DEC.2022 21:17:16

HIGH BAND EDGE BLOCK-10M-100%RB

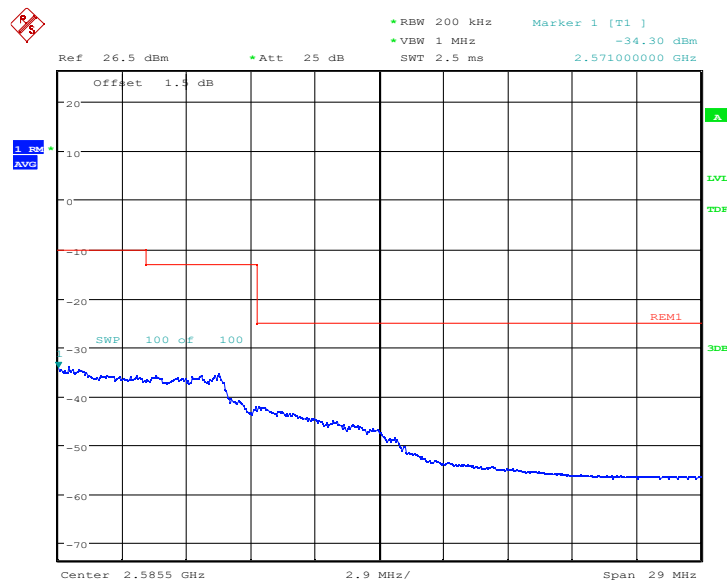


Date: 6.DEC.2022 15:14:44

HIGH BAND EDGE BLOCK-10M-100%RB_offset:0.8+10log(1000/200)

Chongqing Academy of Information and Communication Technology

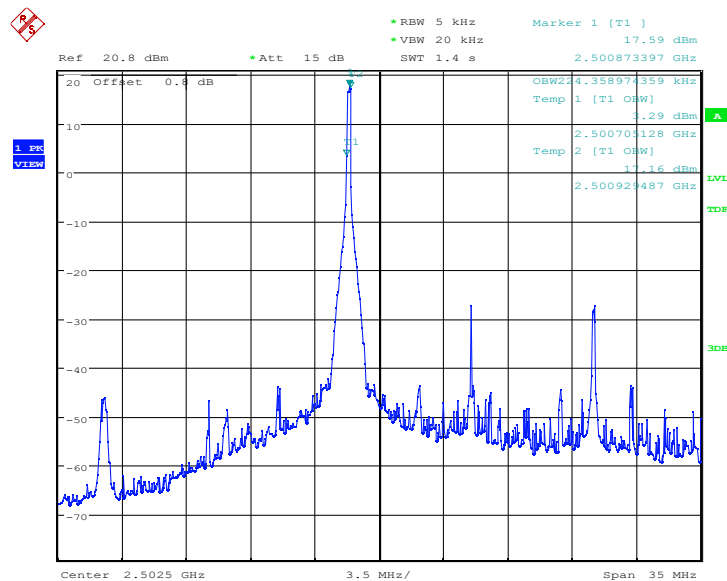
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 6.DEC.2022 15:16:47

LTE band 7-15MHz

OBW: 1RB-LOW_offset

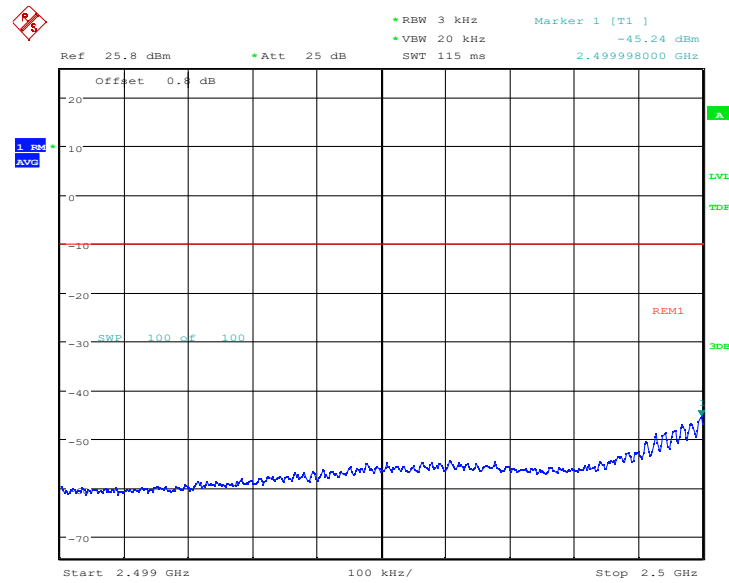


Date: 6.DEC.2022 15:17:19

LOW BAND EDGE BLOCK-1RB-LOW_offset

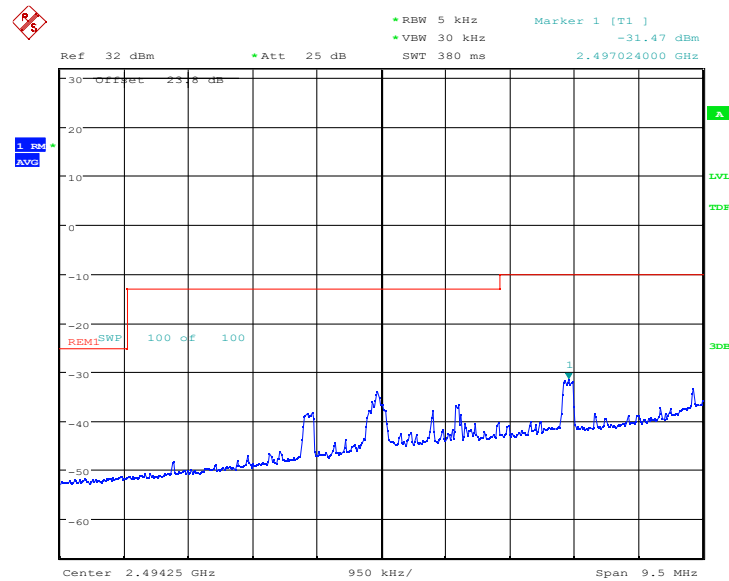
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Date: 6.DEC.2022 15:18:13

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)

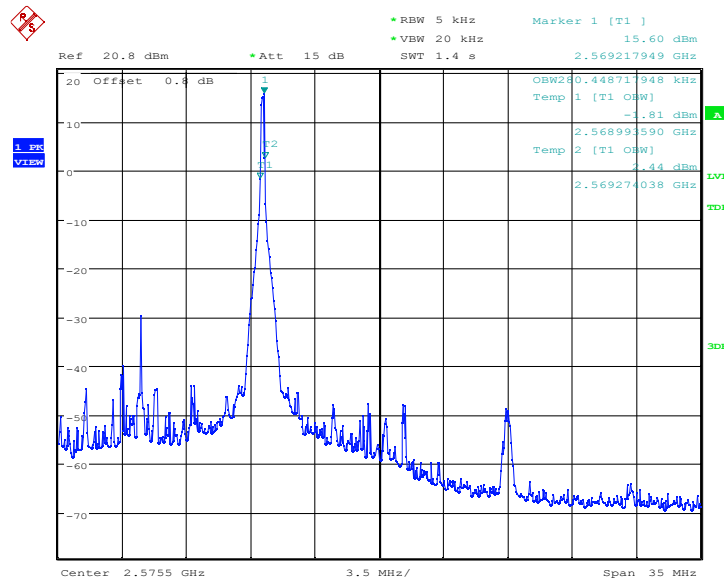


Date: 6.DEC.2022 15:19:32

OBW: 1RB-HIGH_offset

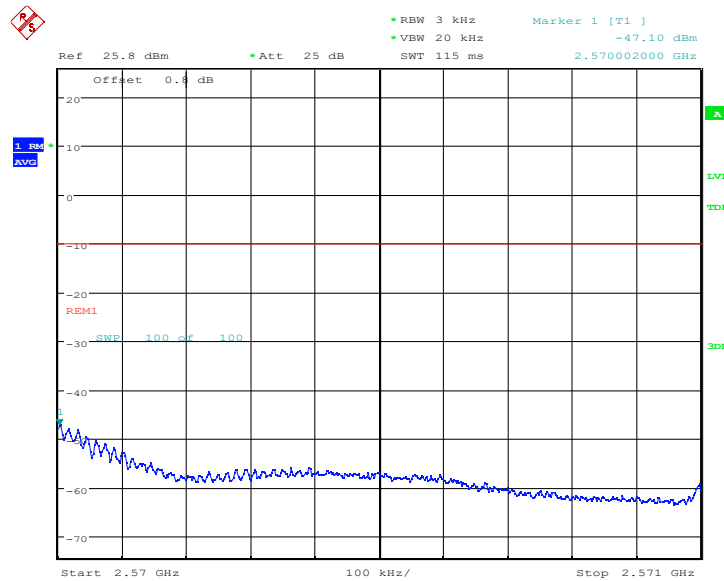
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 Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 6.DEC.2022 15:19:58

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

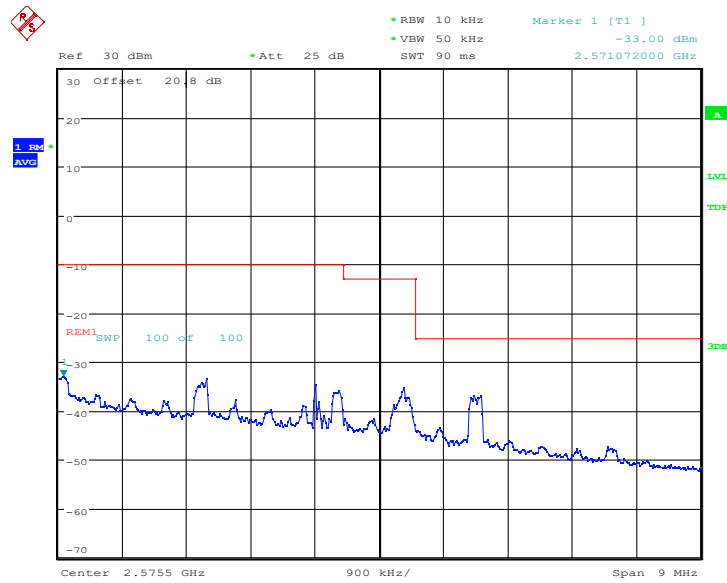


Date: 6.DEC.2022 15:20:53

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/10)

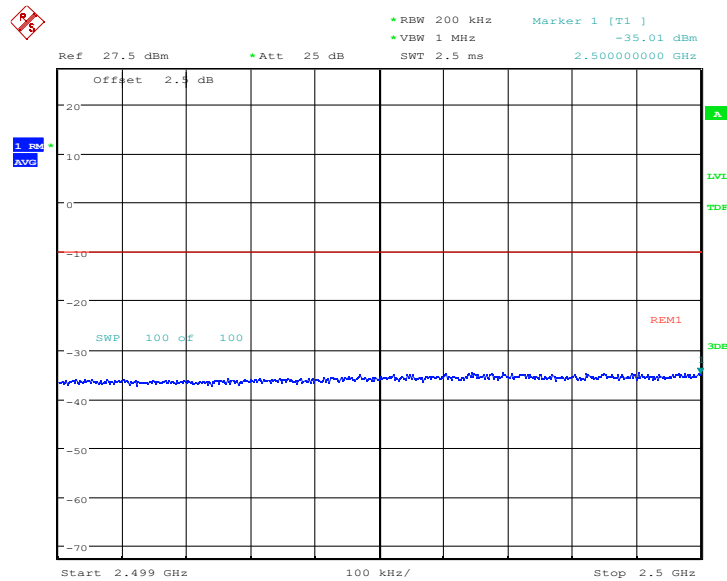
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Date: 6.DEC.2022 15:22:14

LOW BAND EDGE BLOCK-15M-100%RB

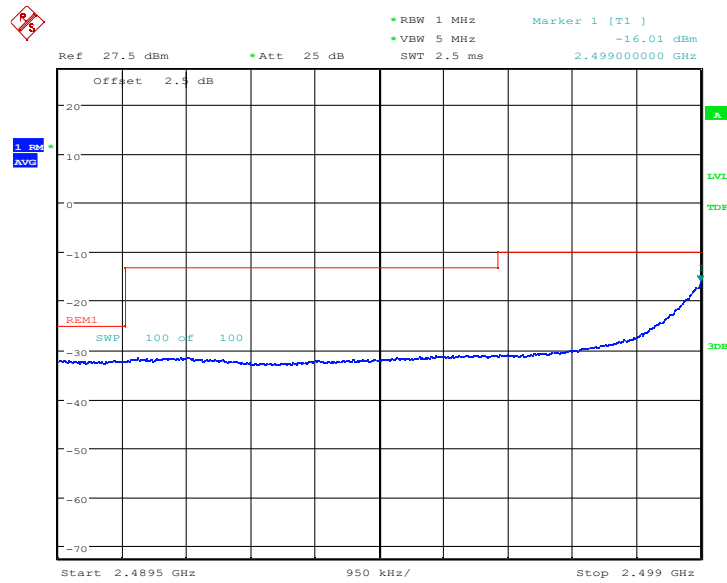


Date: 5.DEC.2022 21:25:51

LOW BAND EDGE BLOCK-15M-100%RB

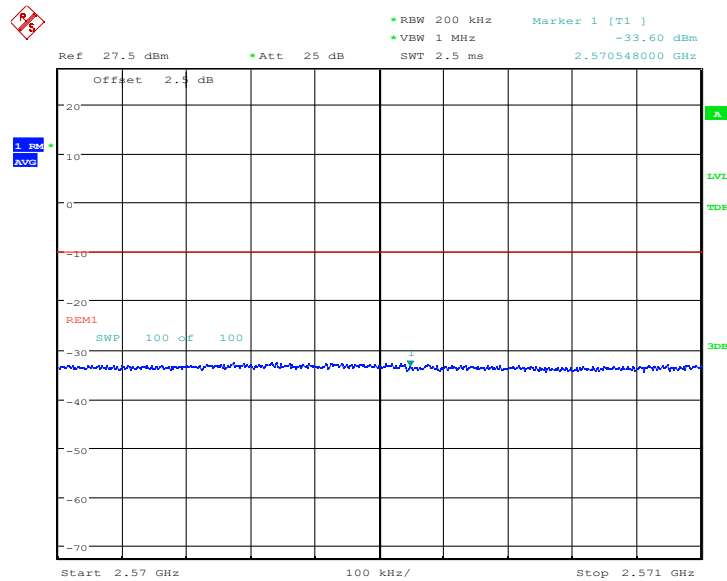
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 Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 5.DEC.2022 21:26:35

HIGH BAND EDGE BLOCK-15M-100%RB

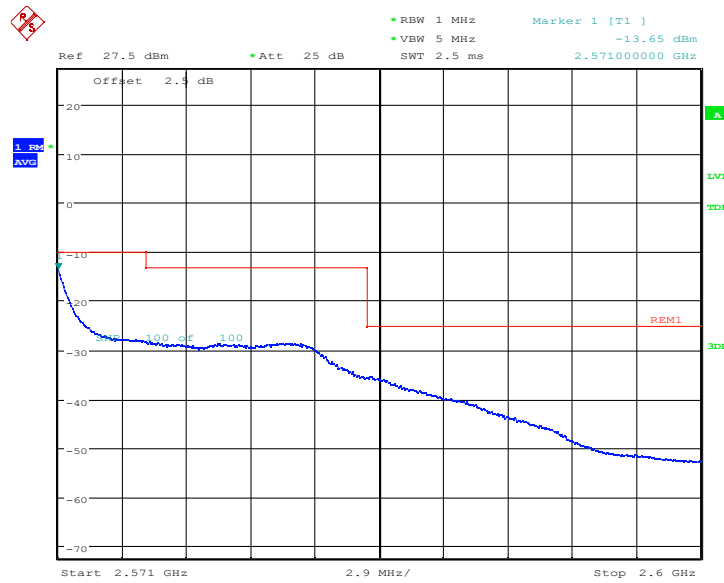


Date: 5.DEC.2022 21:30:14

HIGH BAND EDGE BLOCK-15M-100%RB

Chongqing Academy of Information and Communication Technology

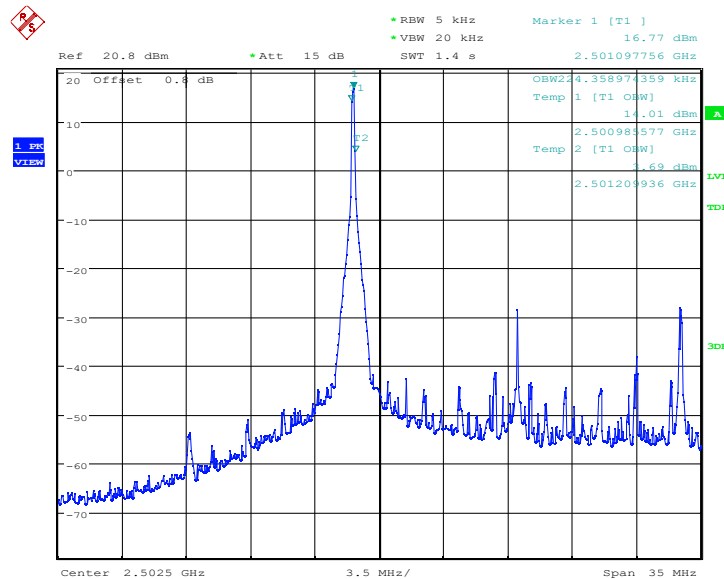
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 5.DEC.2022 21:30:58

LTE band 7-20MHz

OBW: 1RB-LOW_offset

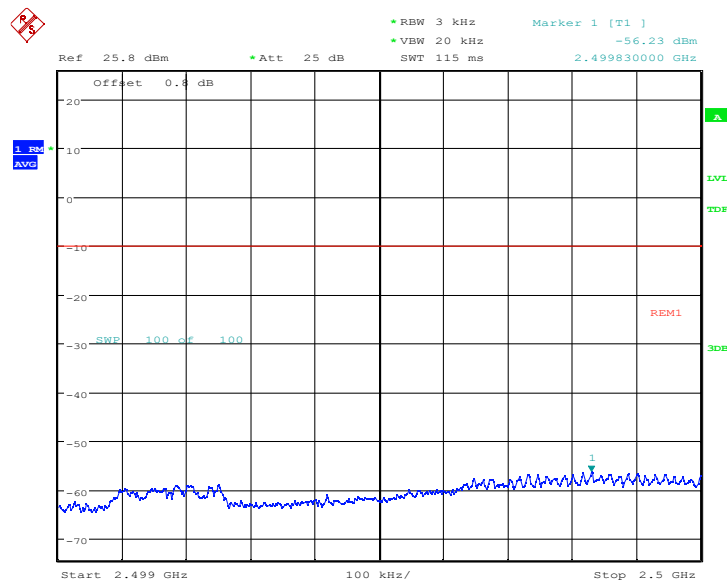


Date: 6.DEC.2022 15:22:52

LOW BAND EDGE BLOCK-1RB-LOW_offset

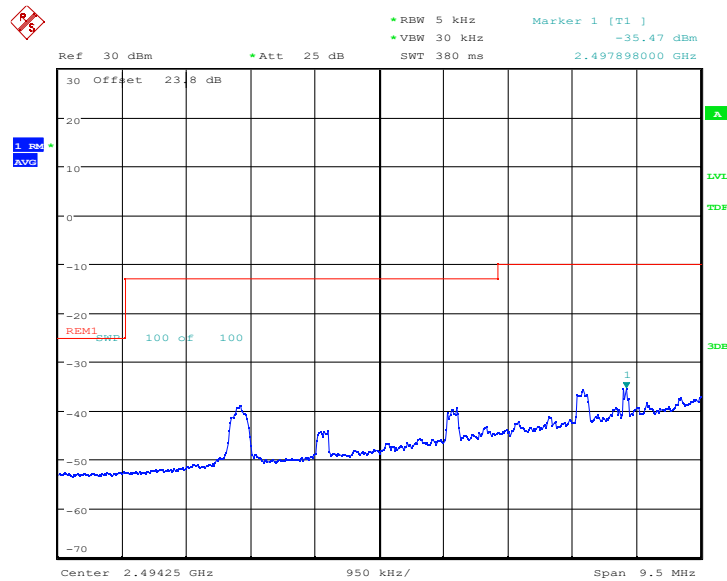
Chongqing Academy of Information and Communication Technology

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Date: 6.DEC.2022 15:23:46

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)

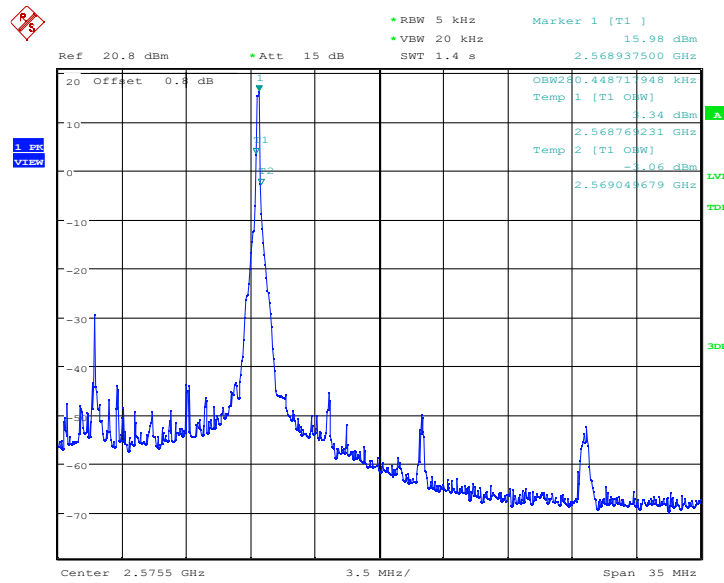


Date: 6.DEC.2022 15:25:01

OBW: 1RB-HIGH_offset

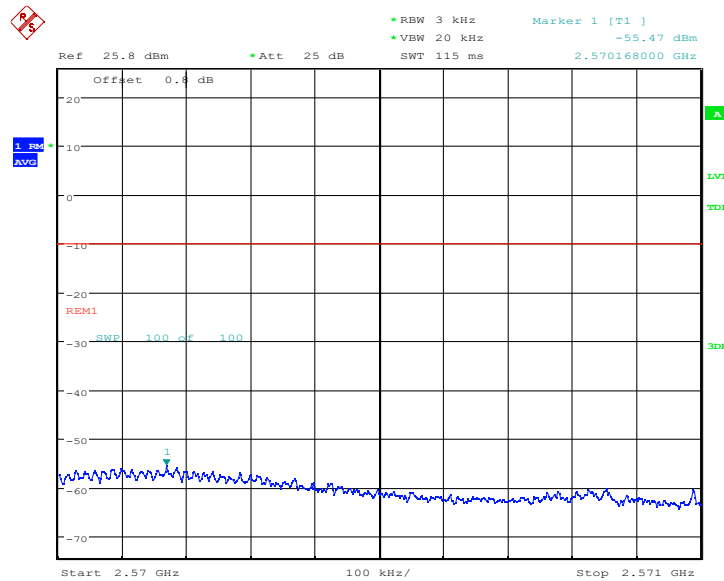
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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 6.DEC.2022 15:25:27

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

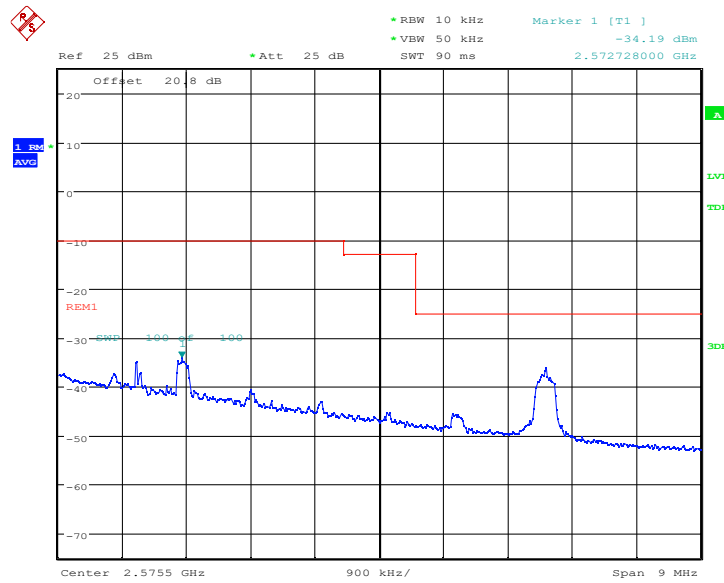


Date: 6.DEC.2022 15:26:21

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/10)

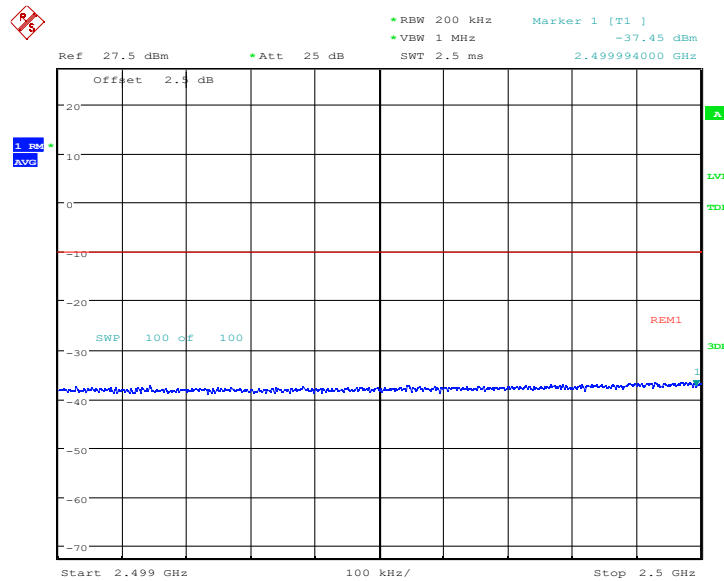
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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 6,DEC.2022 15:27:13

LOW BAND EDGE BLOCK-20M-100%RB

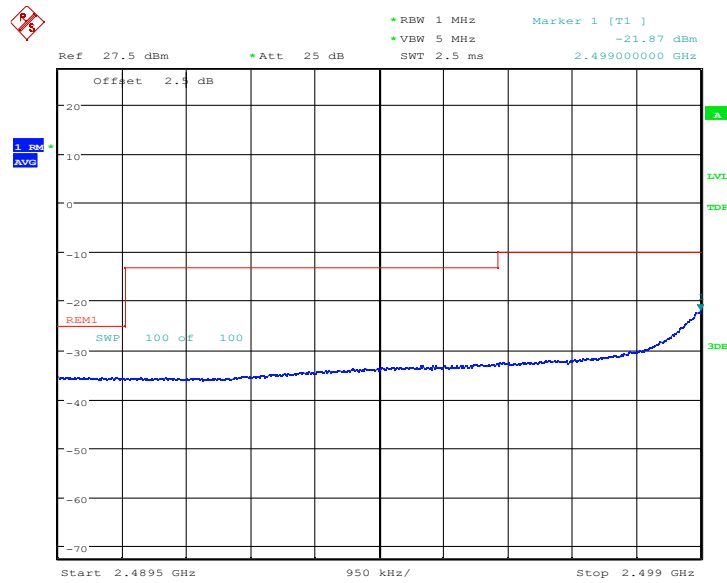


Date: 5,DEC.2022 21:35:22

LOW BAND EDGE BLOCK-20M-100%RB

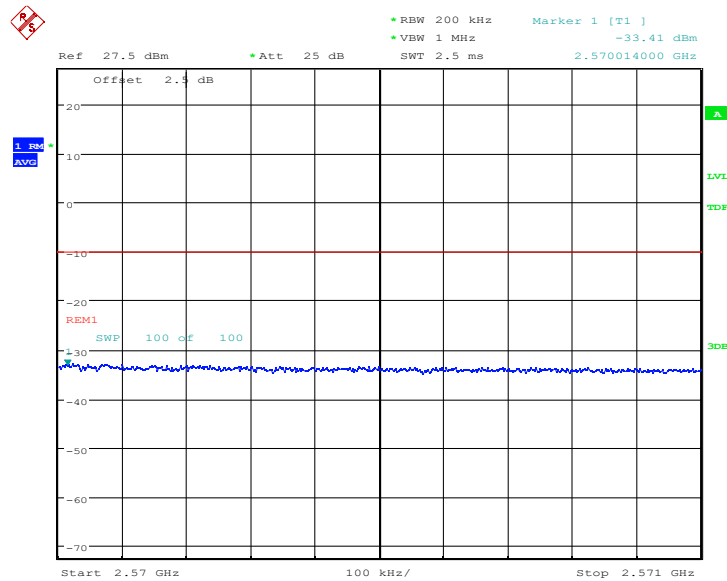
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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 5.DEC.2022 21:36:06

HIGH BAND EDGE BLOCK-20M-100%RB



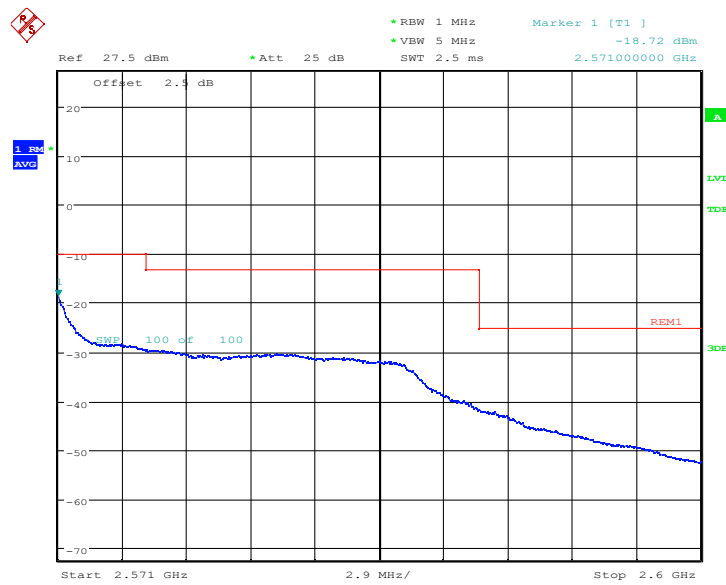
Date: 5.DEC.2022 21:39:33

HIGH BAND EDGE BLOCK-20M-100%RB

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

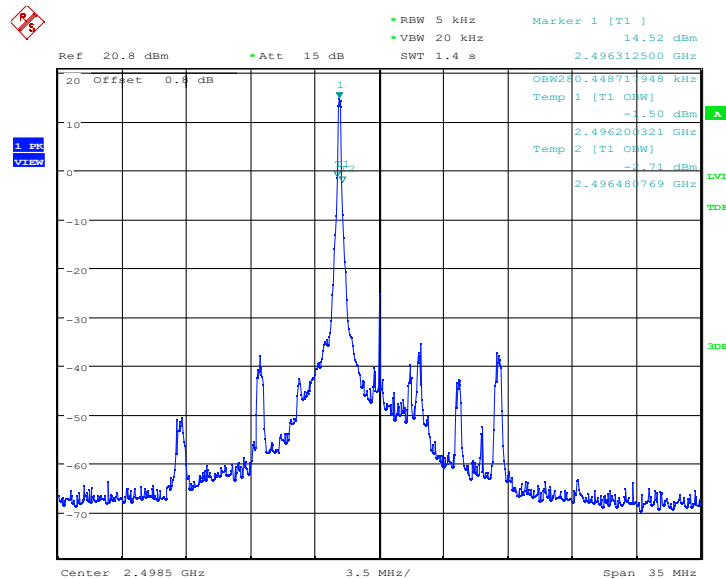
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 5.DEC.2022 21:40:18

LTE band 41-5MHz

OBW: 1RB-LOW_offset

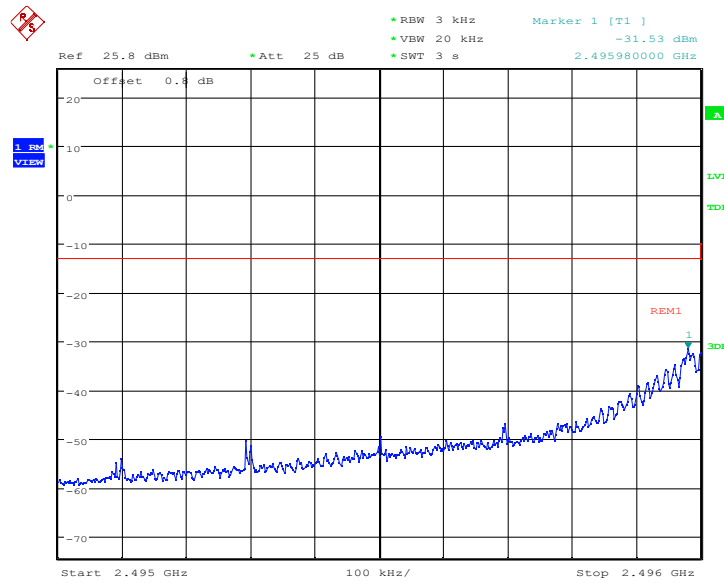


Date: 6.DEC.2022 15:28:05

LOW BAND EDGE BLOCK-1RB-LOW_offset

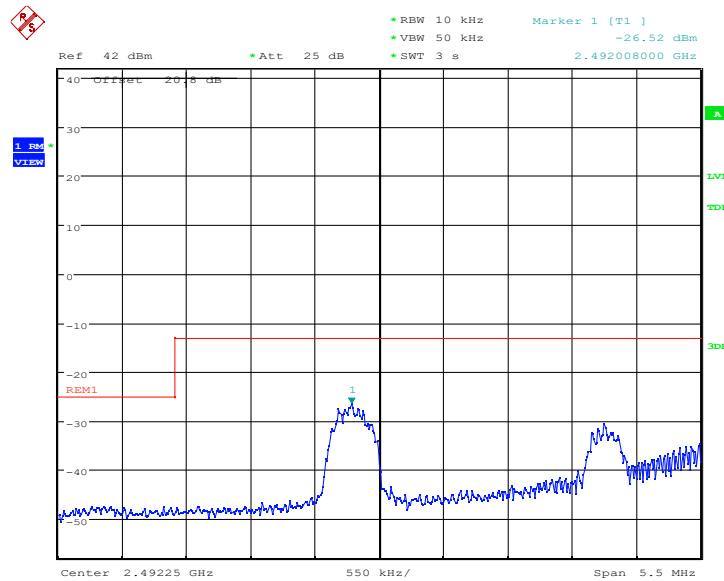
Chongqing Academy of Information and Communication Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 6.DEC.2022 15:28:50

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/10)

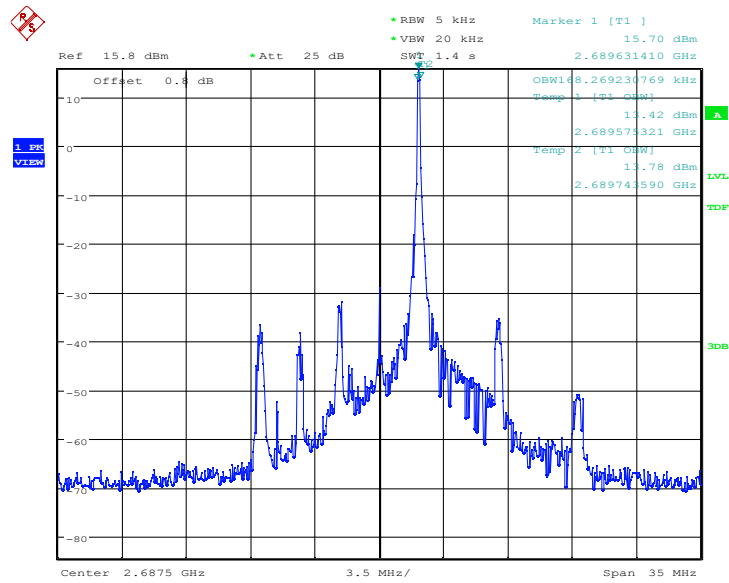


Date: 6.DEC.2022 15:29:44

OBW: 1RB-HIGH_offset

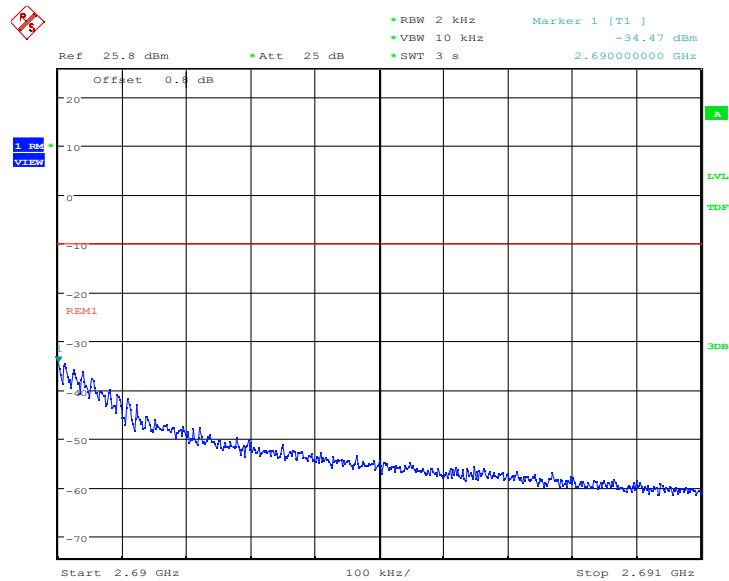
Chongqing Academy of Information and Communication Technology

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Date: 6.DEC.2022 15:32:15

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

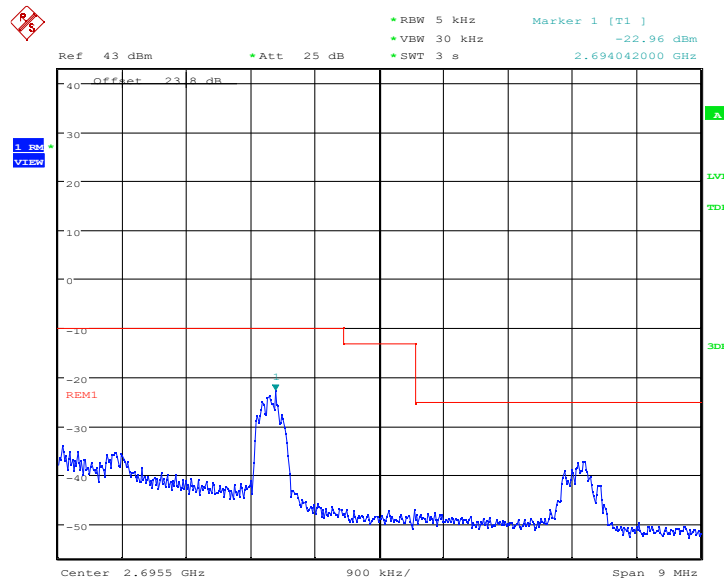


Date: 6.DEC.2022 15:32:58

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/5)

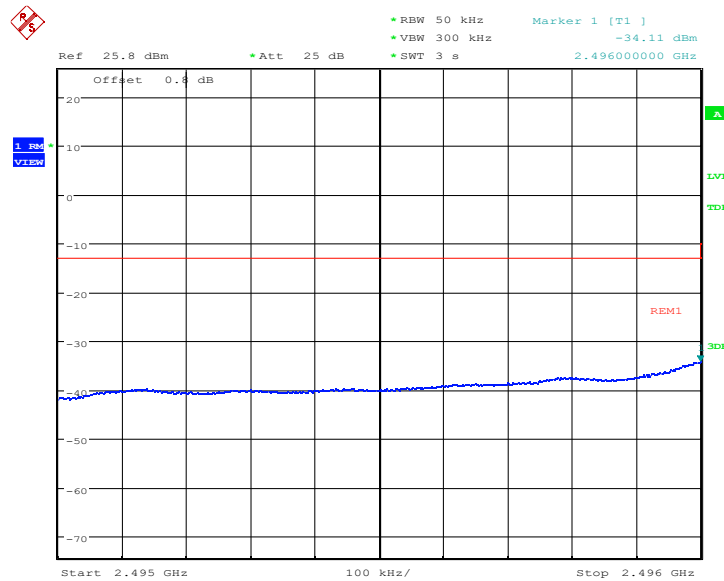
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Date: 6.DEC.2022 15:33:40

LOW BAND EDGE BLOCK-5M-100%RB



Date: 6.DEC.2022 15:30:28

LOW BAND EDGE BLOCK-5M-100%RB_offset:0.8+10log(1000/100)

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Ref 35.8 dBm • Att 25 dB • RBW 100 kHz • VBW 500 kHz • SWT 3 s Marker 1 [T1] -28.33 dBm 2.494912000 GHz

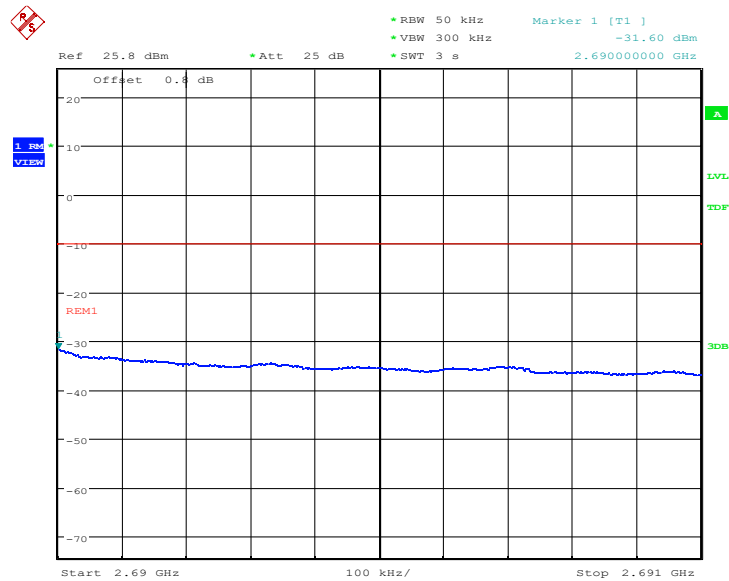
Offset 10.8 dB

1.500 V/div

REM1

Center 2.49225 GHz 550 kHz/ Span 5.5 MHz

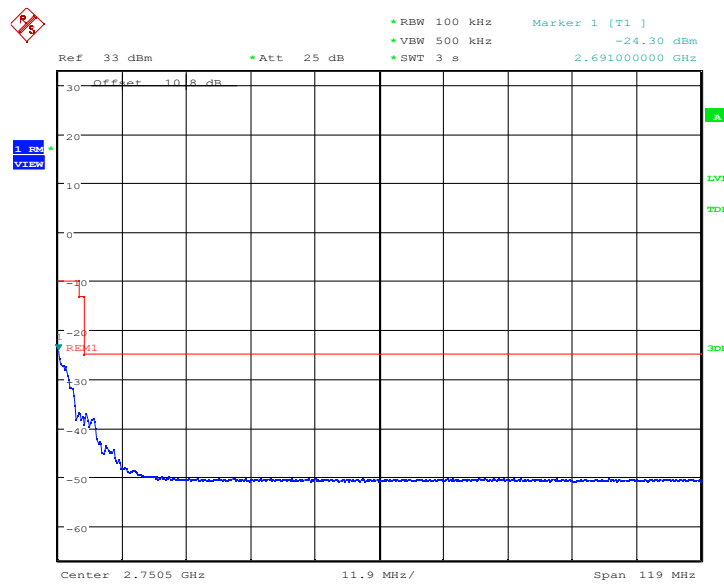
HIGH BAND EDGE BLOCK-5M-100%RB



HIGH BAND EDGE BLOCK-5M-100%RB_offset:0.8+10log(1000/100)

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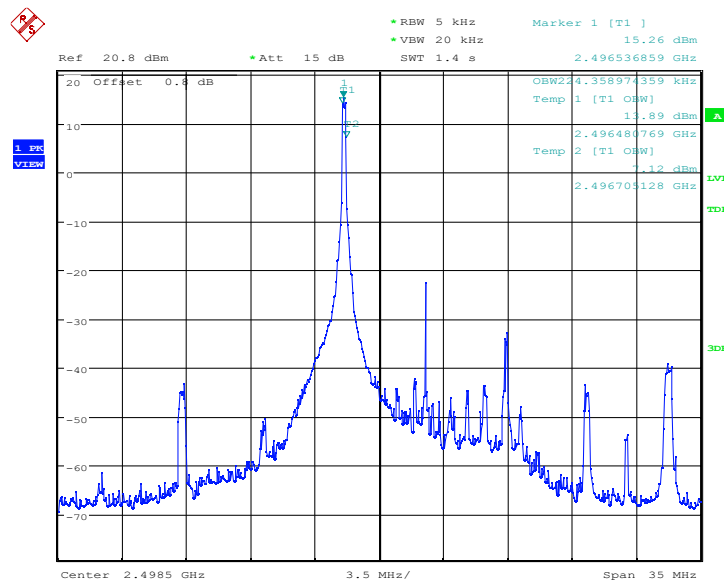
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:35:07

LTE band 41-10MHz

OBW: 1RB-LOW_offset

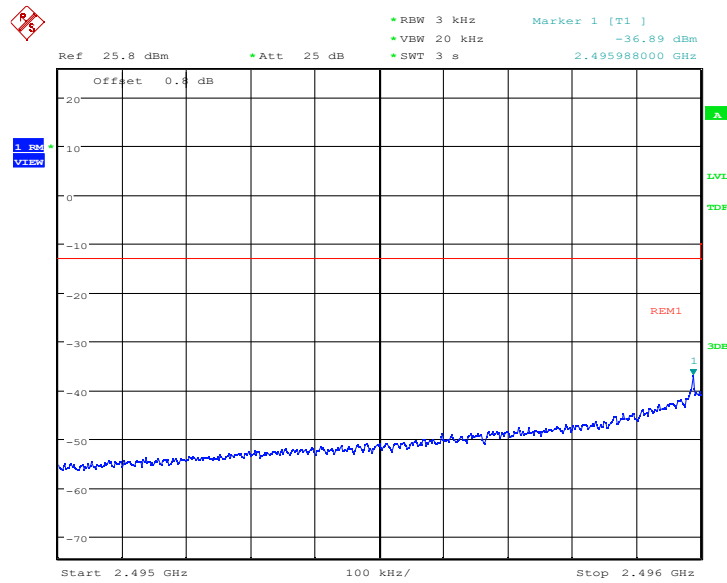


Date: 6.DEC.2022 15:39:48

LOW BAND EDGE BLOCK-1RB-LOW_offset

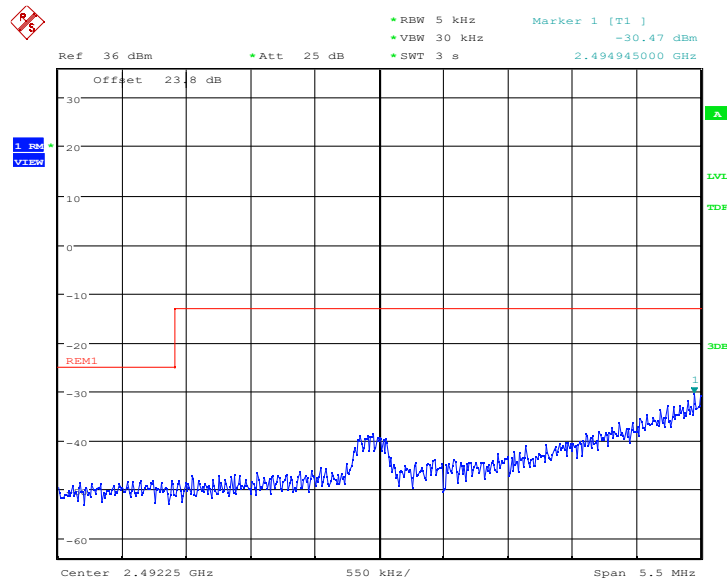
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Date: 6.DEC.2022 15:40:30

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)

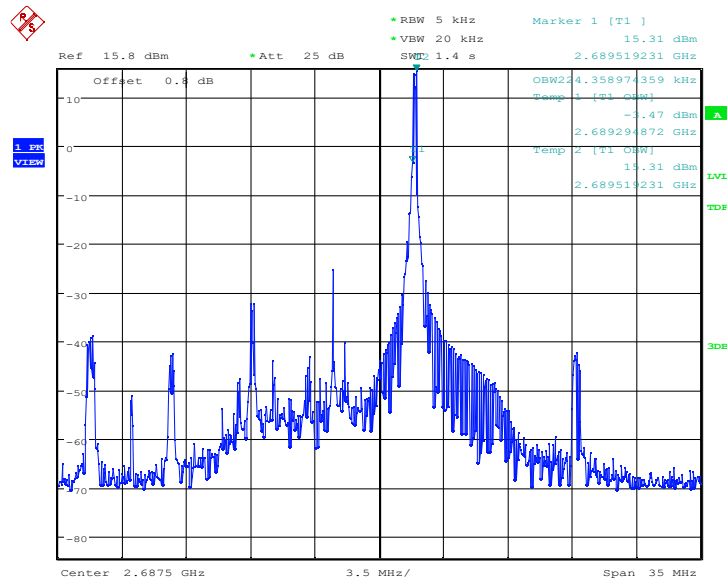


Date: 6.DEC.2022 15:41:25

OBW: 1RB-HIGH_offset

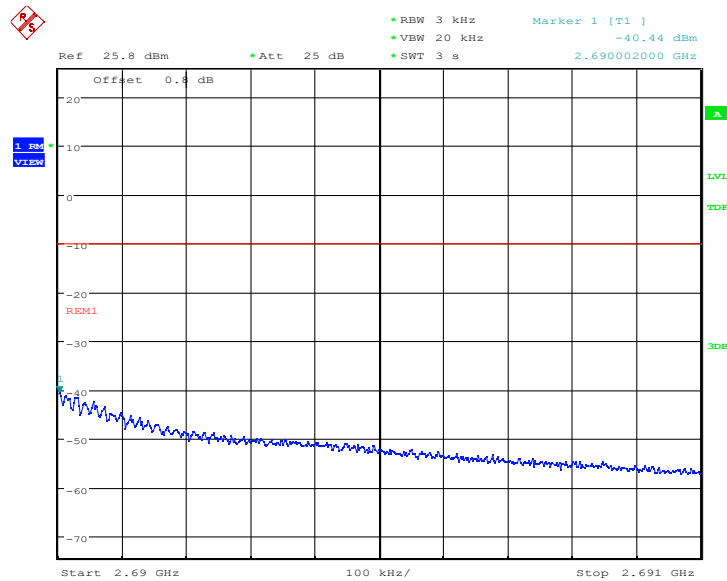
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Date: 6.DEC.2022 15:45:30

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



Date: 6.DEC.2022 15:46:18

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/5)

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Ref 36 dBm • Att 25 dB • RBW 5 kHz Marker 1 [T1] -29.07 dBm
 • VBW 30 kHz • SWT 3 s 2.698128000 GHz

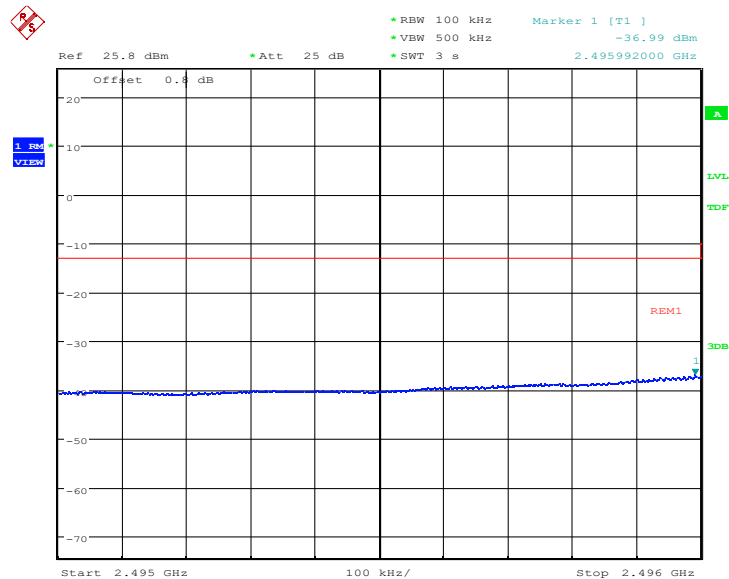
Offset 23.8 dB

1.500 V/div

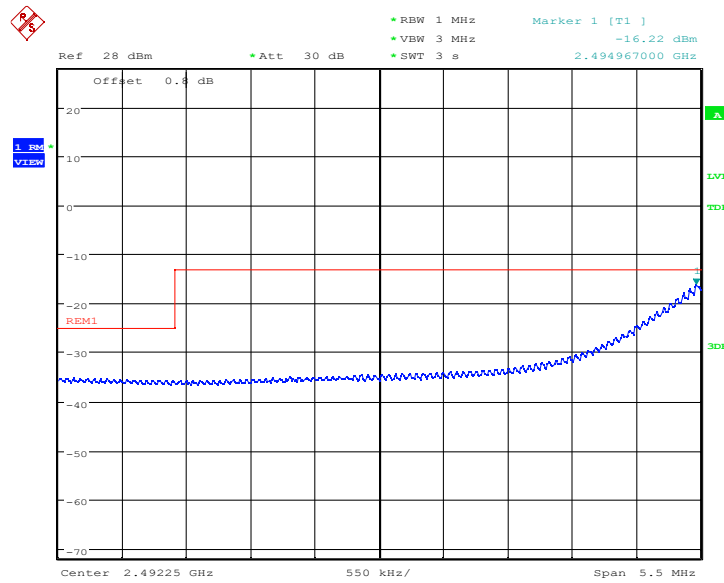
REM1

Center 2.6955 GHz 900 kHz/ Span 9 MHz

LOW BAND EDGE BLOCK-10M-100%RB

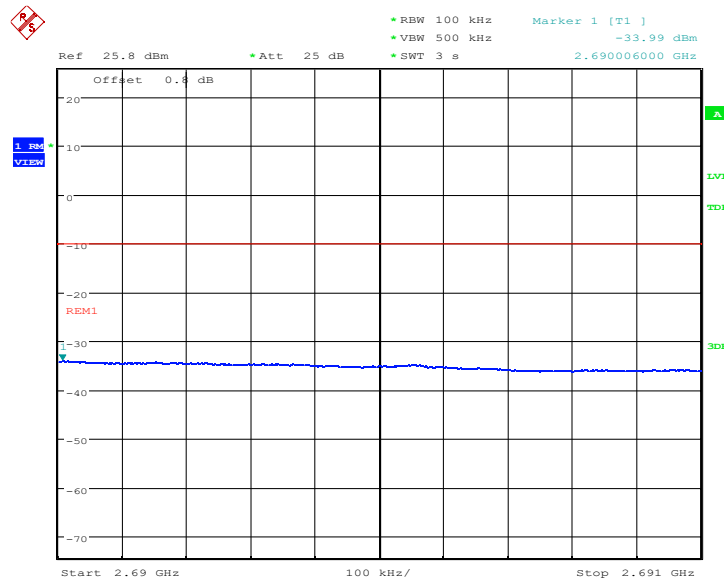


LOW BAND EDGE BLOCK-10M-100%RB



Date: 6.DEC.2022 15:45:02

HIGH BAND EDGE BLOCK-10M-100%RB

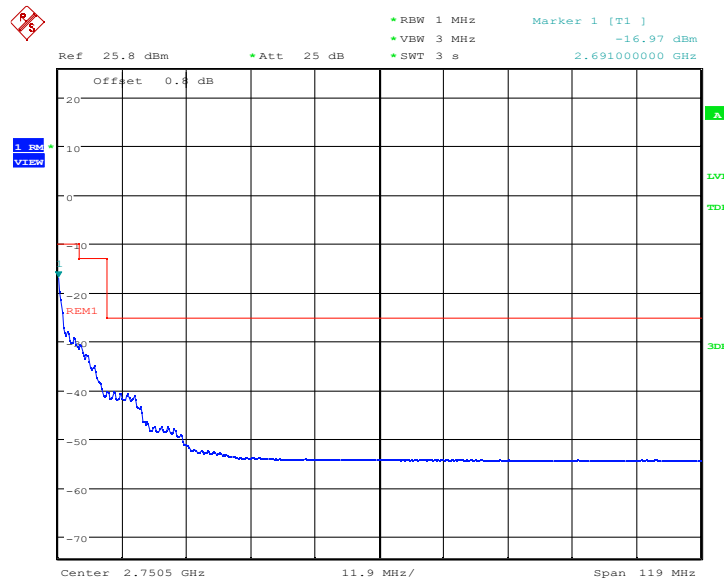


Date: 6.DEC.2022 15:47:49

HIGH BAND EDGE BLOCK-10M-100%RB

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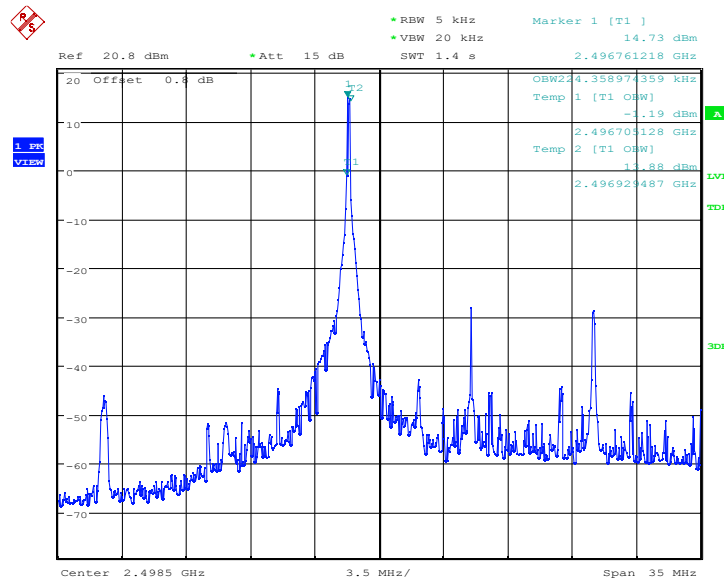
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Date: 6.DEC.2022 15:48:40

LTE band 41-15MHz

OBW: 1RB-LOW_offset

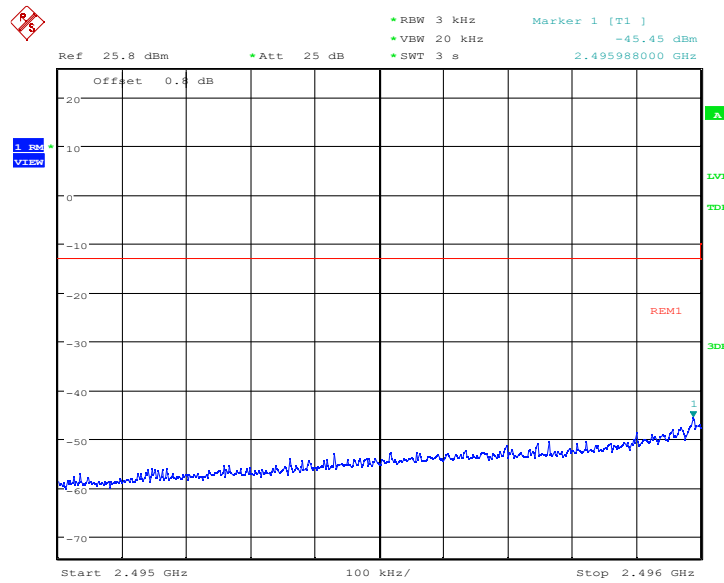


Date: 6.DEC.2022 15:50:27

LOW BAND EDGE BLOCK-1RB-LOW_offset

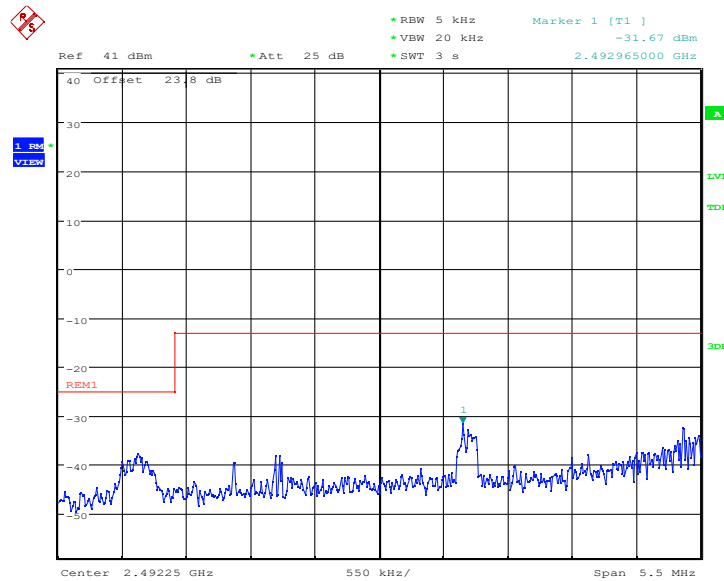
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Date: 6.DEC.2022 15:51:10

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)

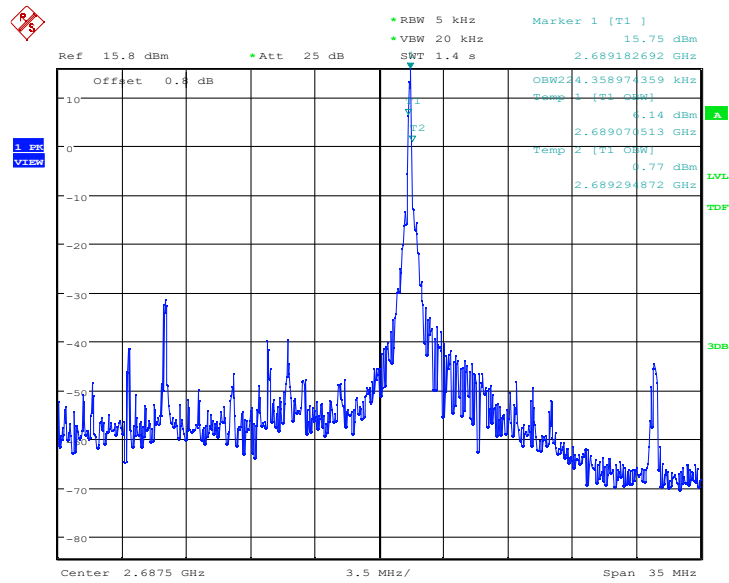


Date: 6.DEC.2022 15:52:12

OBW: 1RB-HIGH_offset

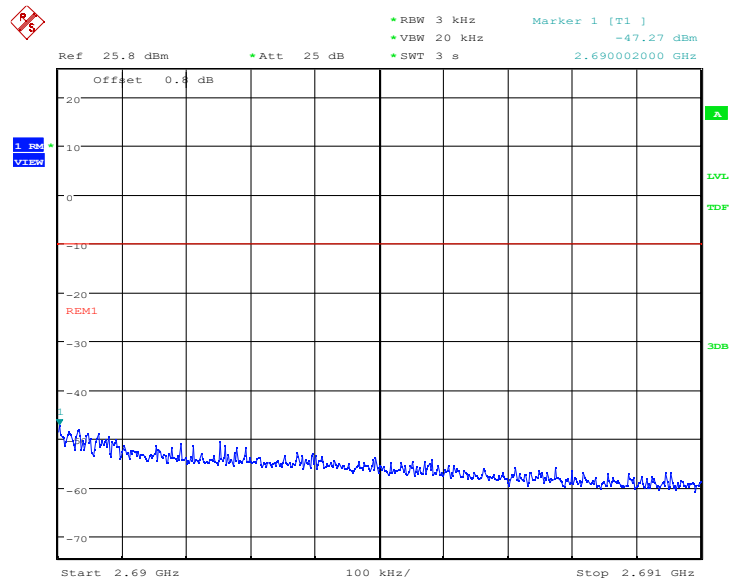
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Date: 6.DEC.2022 15:54:05

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

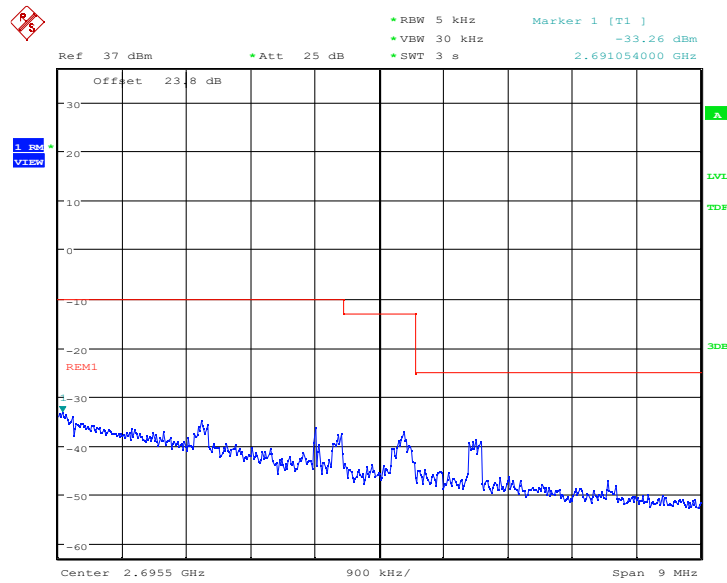


Date: 6.DEC.2022 15:54:48

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/5)

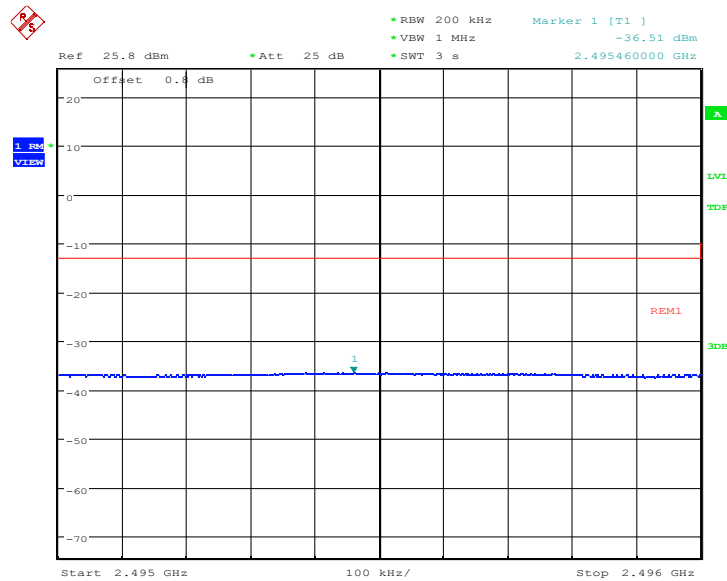
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Date: 6.DEC.2022 15:55:31

LOW BAND EDGE BLOCK-15M-100%RB

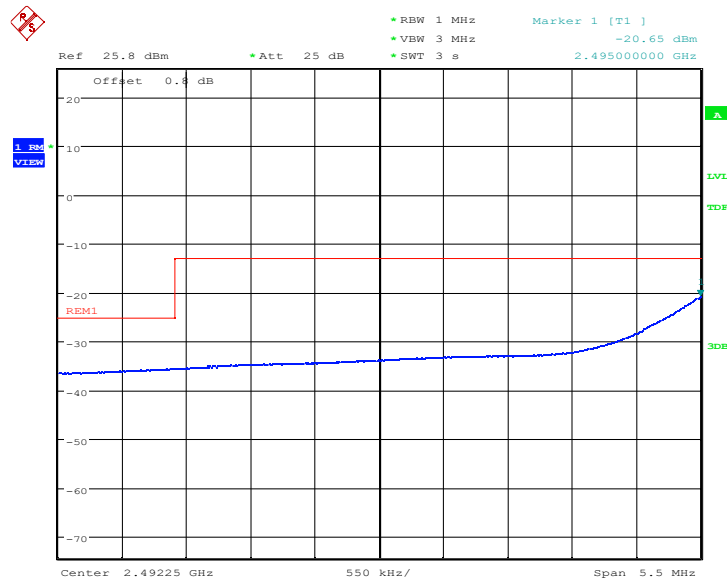


Date: 6.DEC.2022 15:52:57

LOW BAND EDGE BLOCK-15M-100%RB

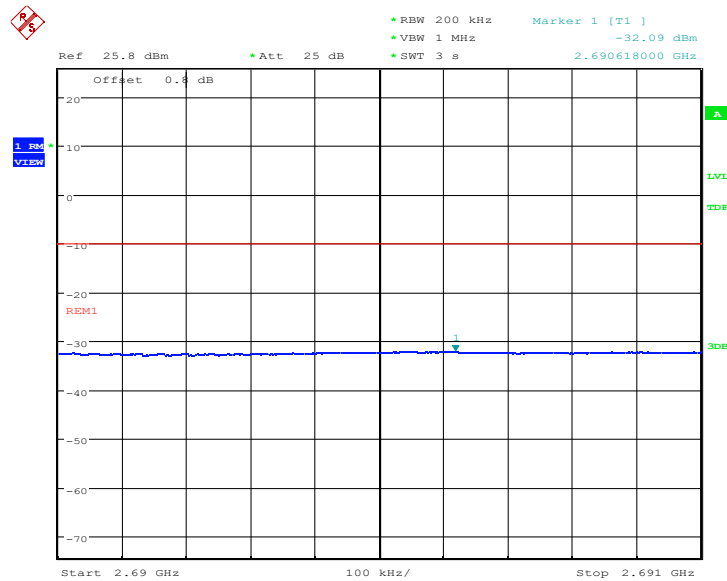
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Date: 6.DEC.2022 15:53:39

HIGH BAND EDGE BLOCK-15M-100%RB



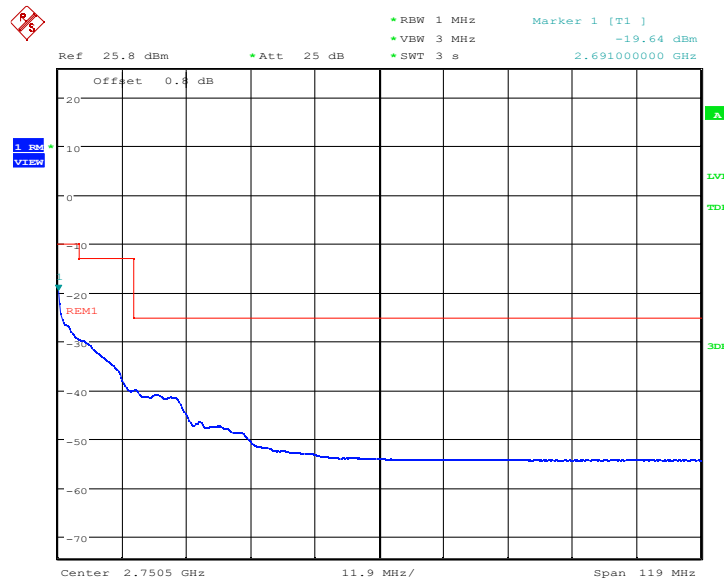
Date: 6.DEC.2022 15:56:15

HIGH BAND EDGE BLOCK-15M-100%RB

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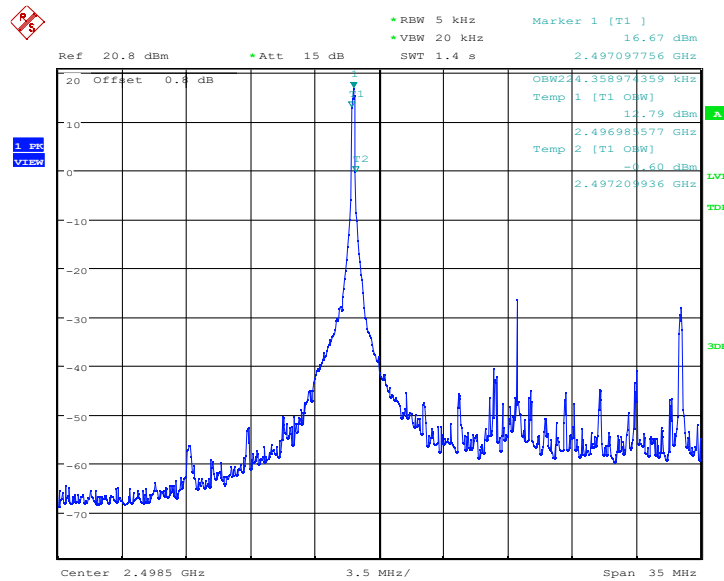
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 6.DEC.2022 15:56:58

LTE band 41-20MHz

OBW: 1RB-LOW_offset

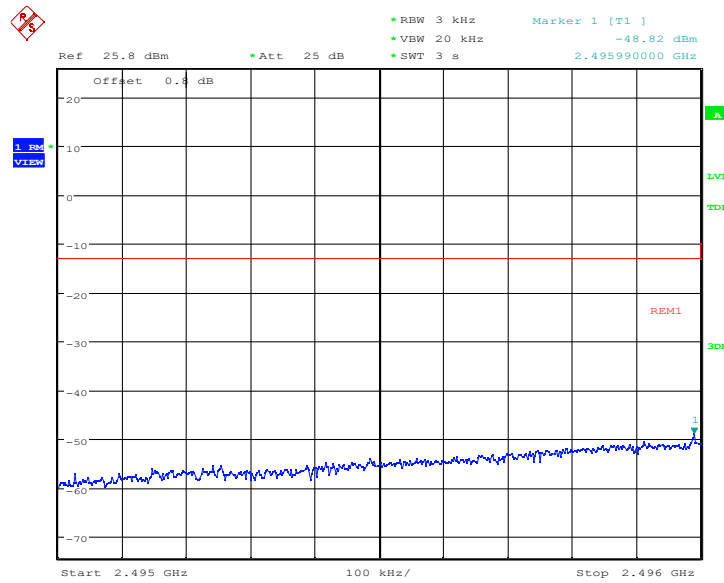


Date: 6.DEC.2022 15:58:41

LOW BAND EDGE BLOCK-1RB-LOW_offset

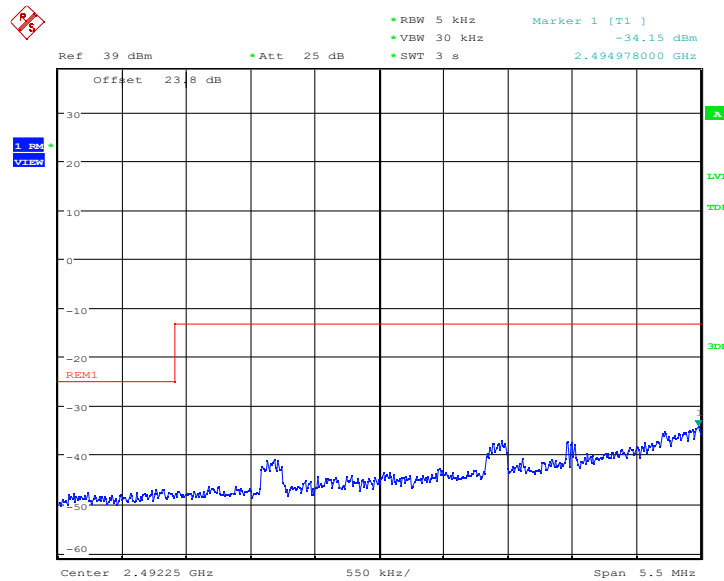
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Date: 6.DEC.2022 15:59:23

LOW BAND EDGE BLOCK-1RB-LOW_offset:0.8+10log(1000/5)

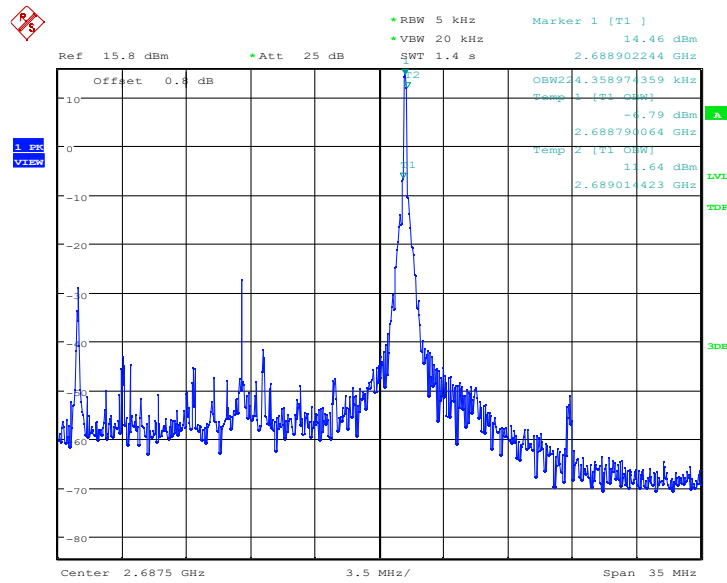


Date: 6.DEC.2022 16:00:06

OBW: 1RB-HIGH_offset

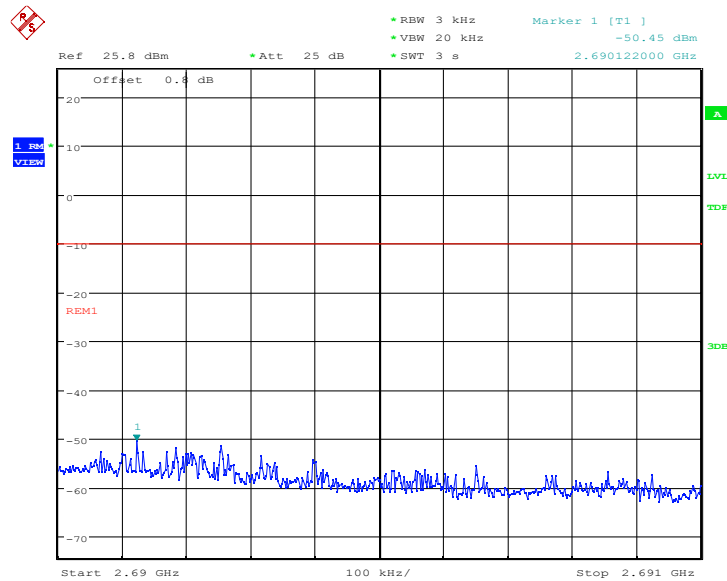
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Date: 6.DEC.2022 16:01:59

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

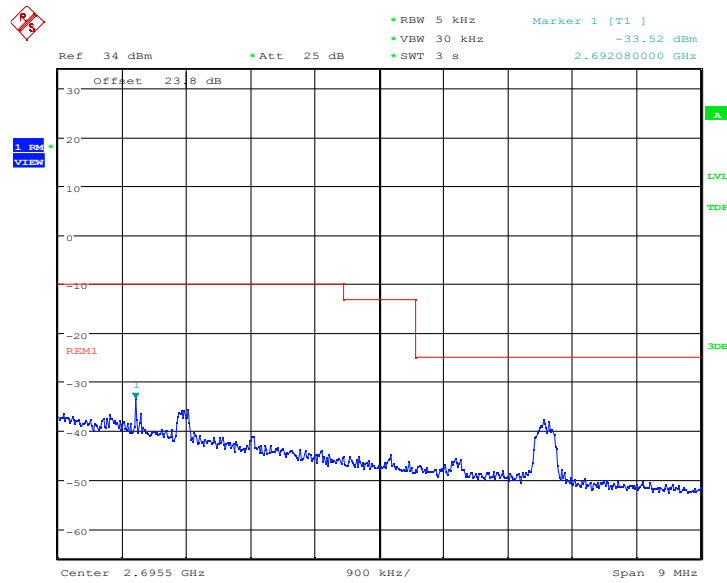


Date: 6.DEC.2022 16:02:42

HIGH BAND EDGE BLOCK-1RB-HIGH_offset:0.8+10log(1000/5)

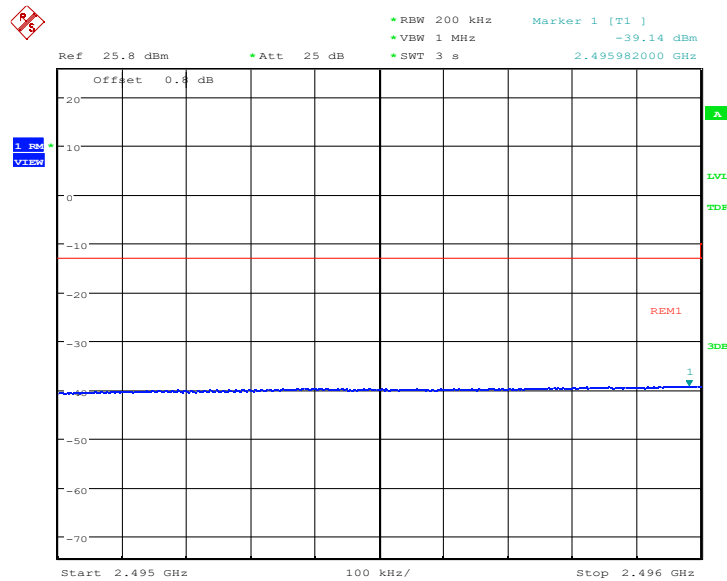
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Date: 6.DEC.2022 16:03:26

LOW BAND EDGE BLOCK-20M-100%RB

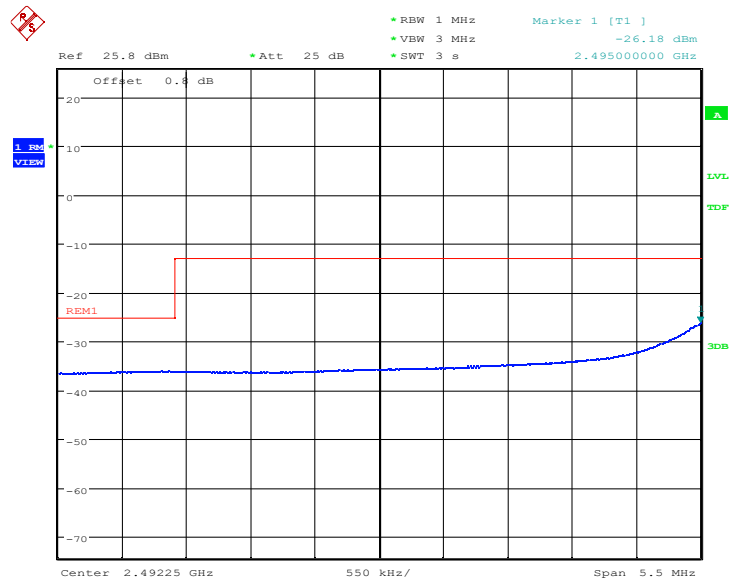


Date: 6.DEC.2022 16:00:51

LOW BAND EDGE BLOCK-20M-100%RB

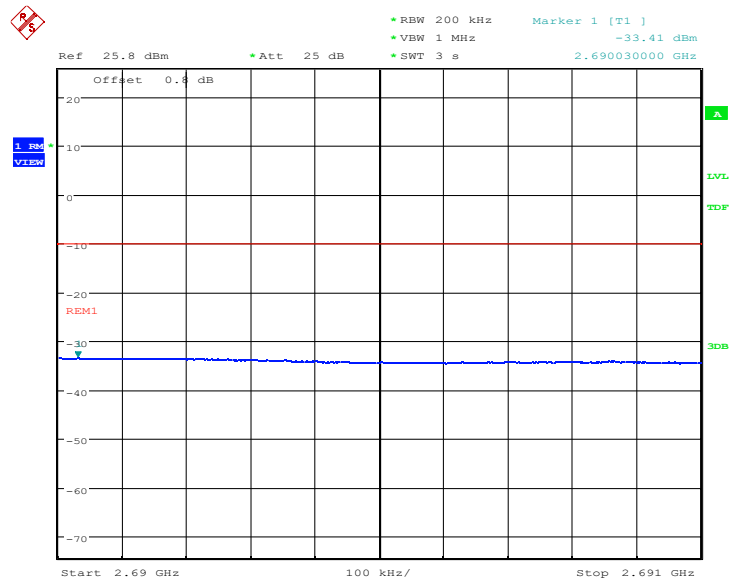
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Date: 6.DEC.2022 16:01:33

HIGH BAND EDGE BLOCK-20M-100%RB

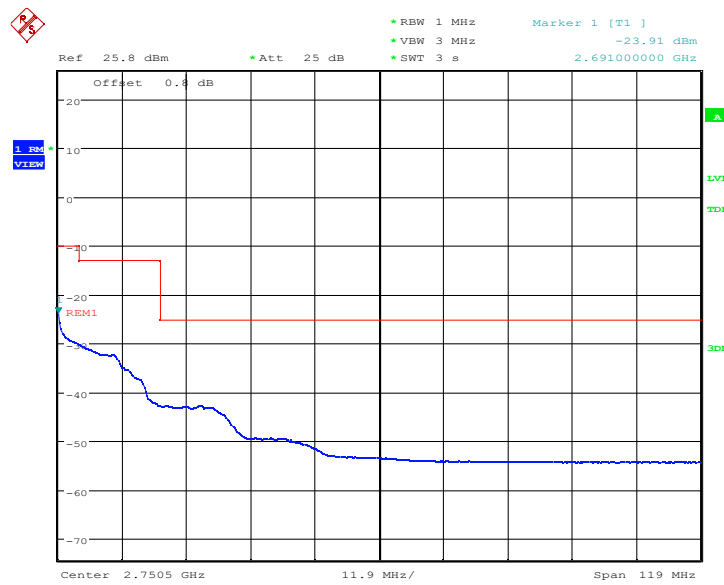


Date: 6.DEC.2022 16:04:10

HIGH BAND EDGE BLOCK-20M-100%RB

Chongqing Academy of Information and Communication Technology

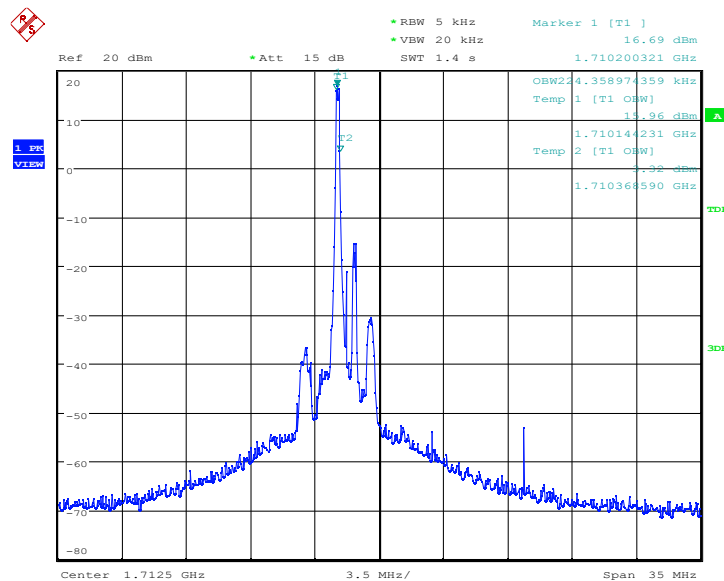
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Date: 6.DEC.2022 16:04:52

LTE band 66-1.4MHz

OBW: 1RB-LOW_offset

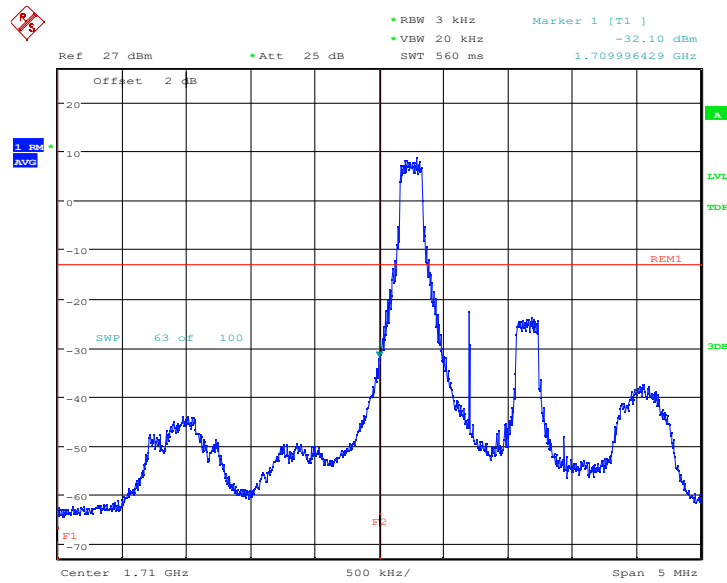


Date: 19.NOV.2022 04:16:58

LOW BAND EDGE BLOCK-1RB-LOW_offset

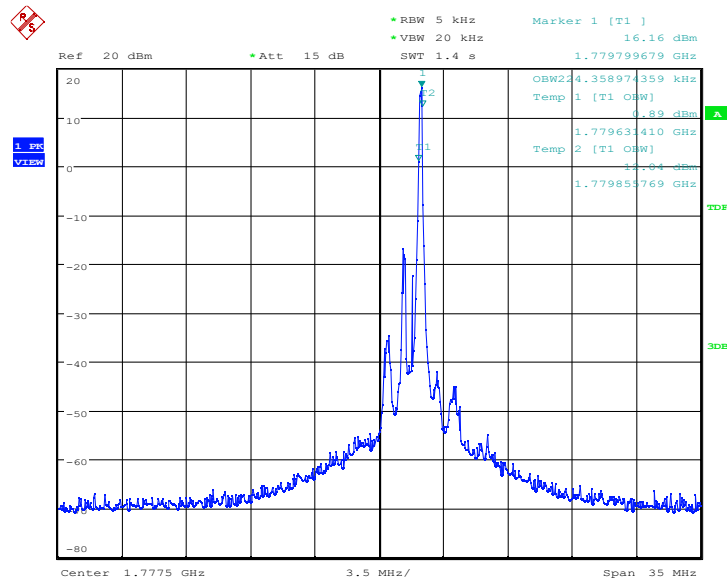
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Date: 19.NOV.2022 04:18:34

OBW: 1RB-HIGH_offset

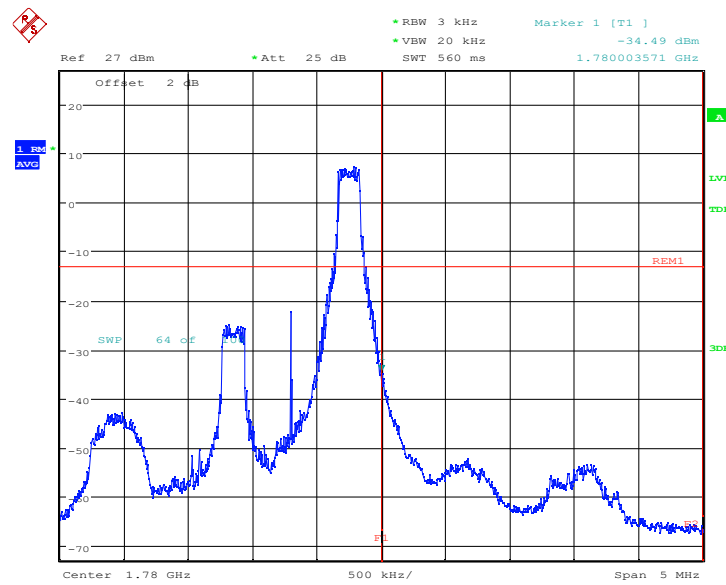


Date: 19.NOV.2022 04:19:50

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

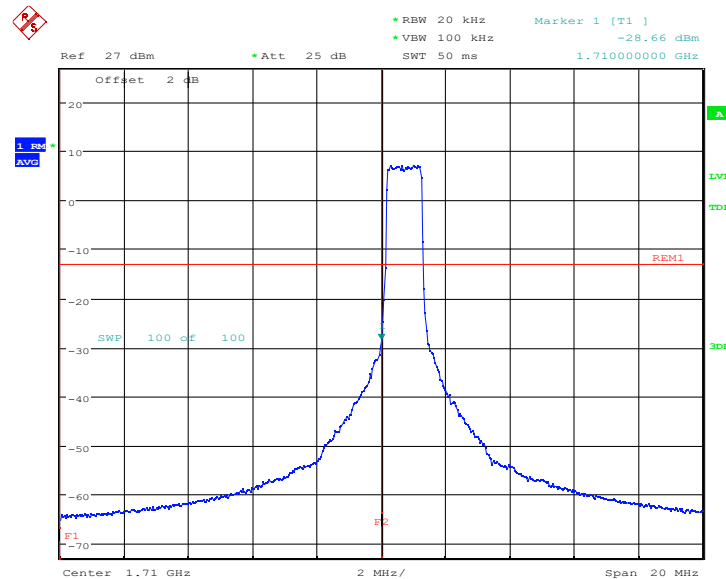
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Date: 19.NOV.2022 04:21:26

LOW BAND EDGE BLOCK-1.4M-100%RB

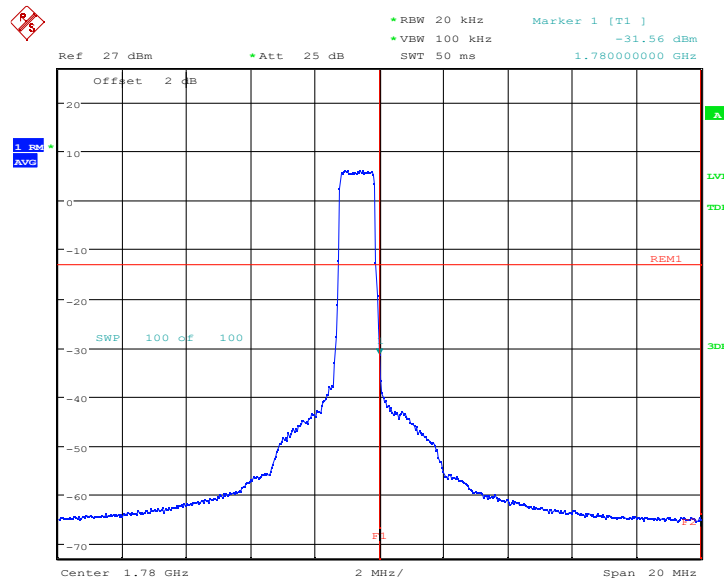


Date: 19.NOV.2022 04:19:25

HIGH BAND EDGE BLOCK-1.4M-100%RB

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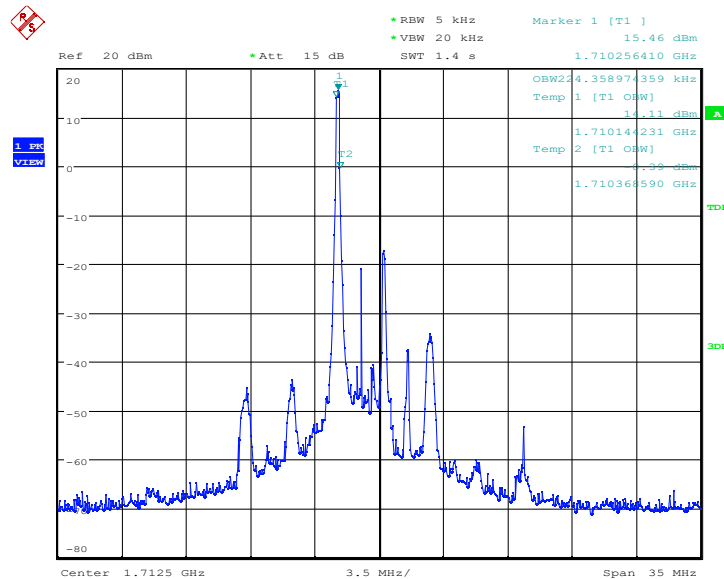
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Date: 19.NOV.2022 04:22:15

LTE band 66-3MHz

OBW: 1RB-LOW_offset



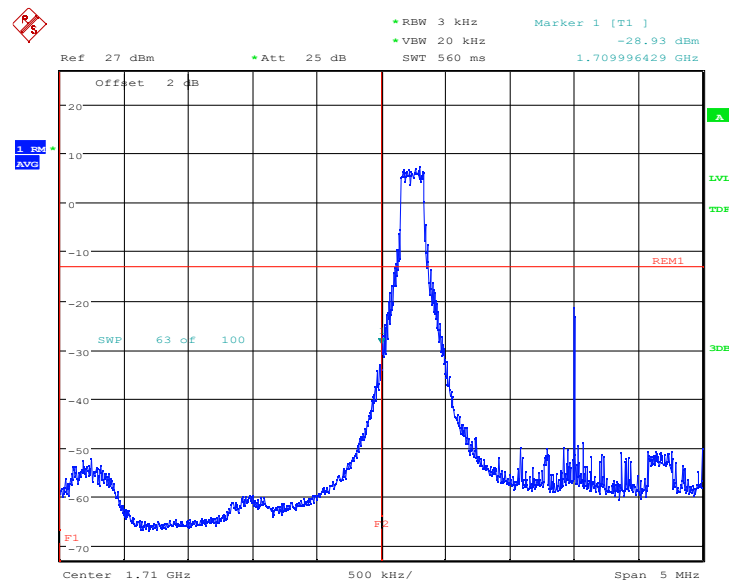
Date: 19.NOV.2022 04:22:45

LOW BAND EDGE BLOCK-1RB-LOW_offset

Chongqing Academy of Information and Communication Technology

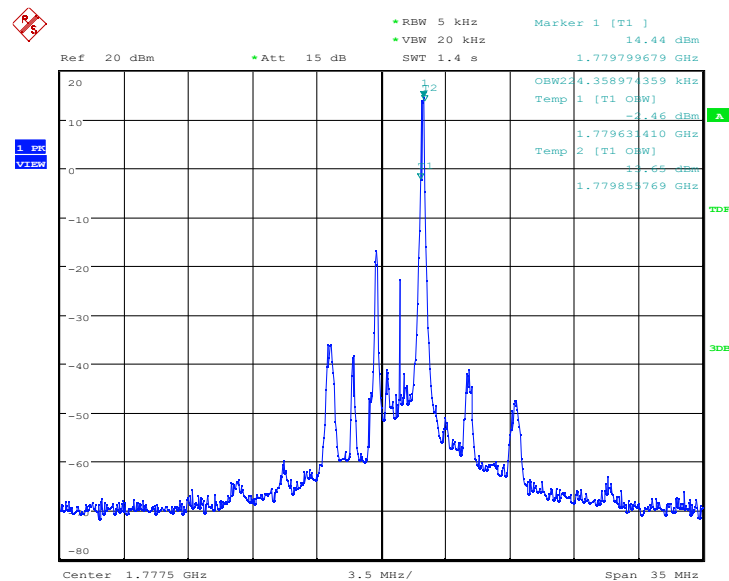
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 04:24:21

OBW: 1RB-HIGH_offset

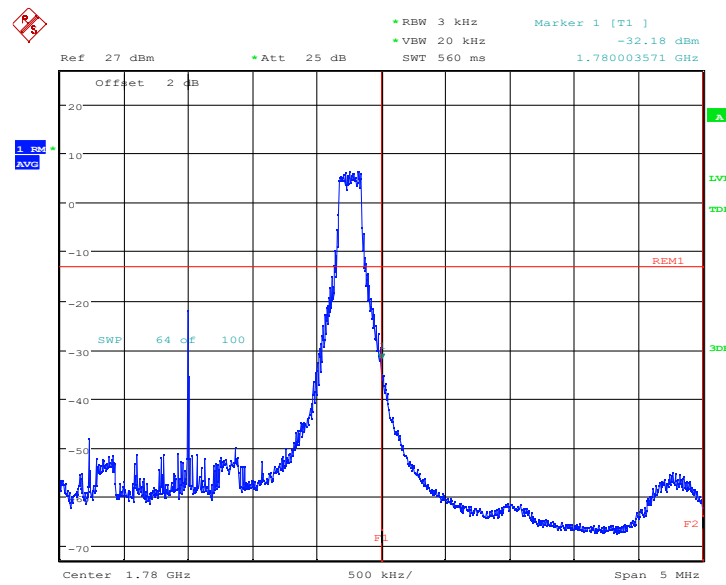


Date: 19.NOV.2022 04:25:32

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

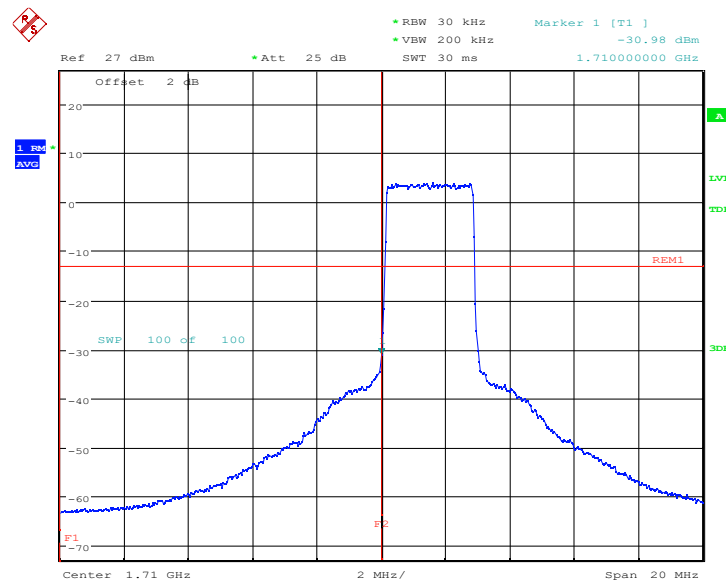
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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 04:27:08

LOW BAND EDGE BLOCK-3M-100%RB

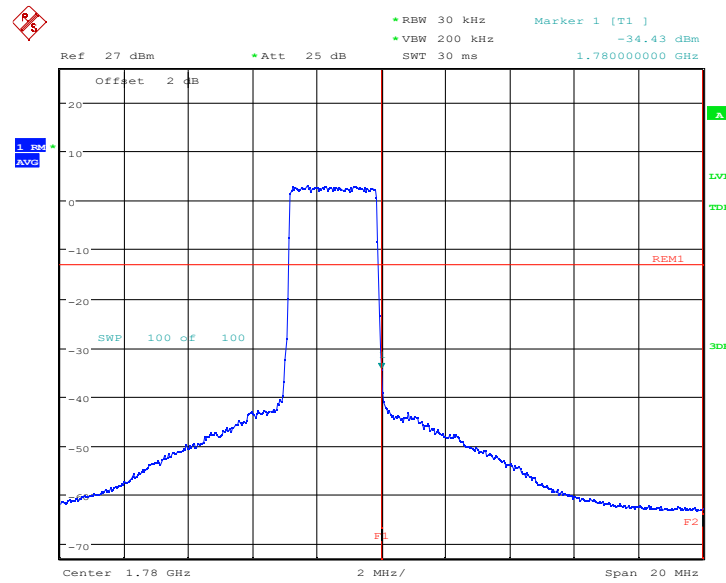


Date: 19.NOV.2022 04:25:07

HIGH BAND EDGE BLOCK-3M-100%RB

Chongqing Academy of Information and Communication Technology

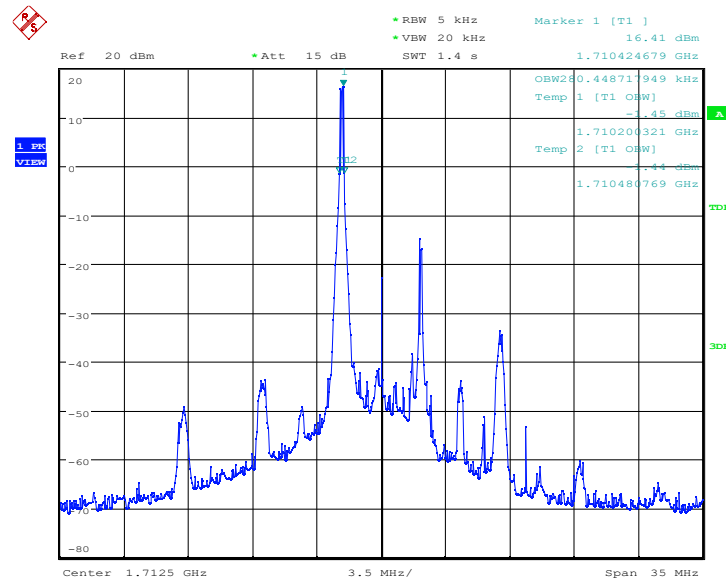
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 04:27:55

LTE band 66-5MHz

OBW: 1RB-LOW_offset



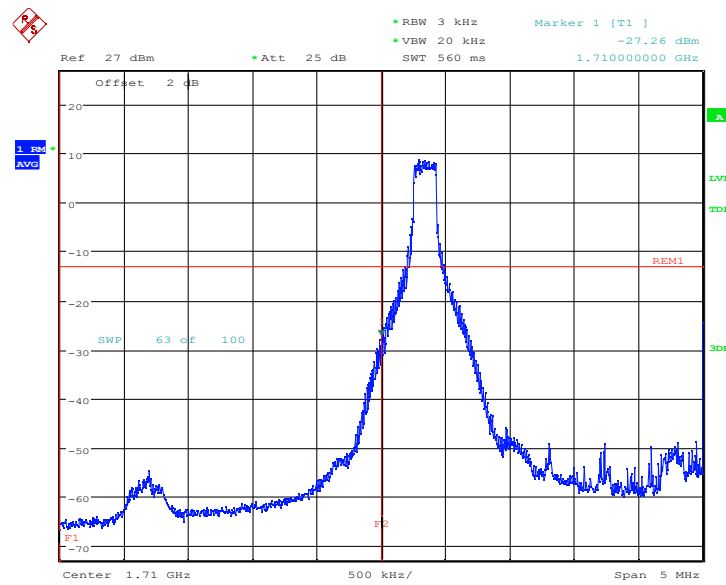
Date: 19.NOV.2022 04:28:25

LOW BAND EDGE BLOCK-1RB-LOW_offset

Chongqing Academy of Information and Communication Technology

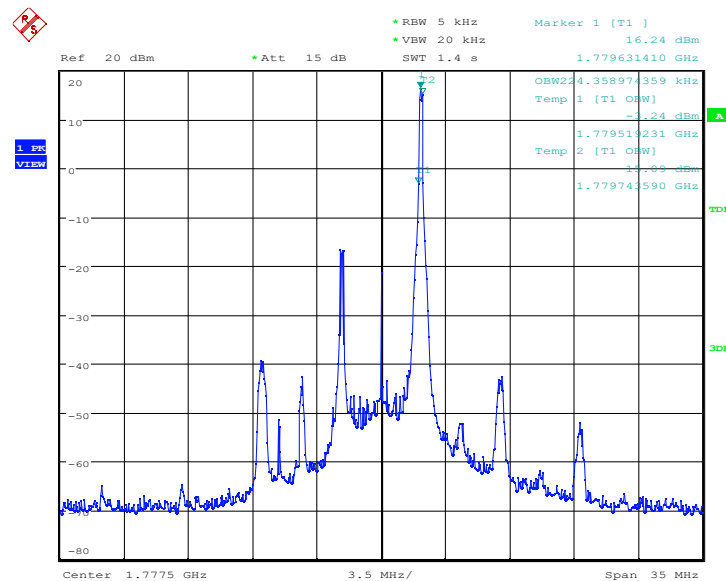
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 04:30:02

OBW: 1RB-HIGH_offset

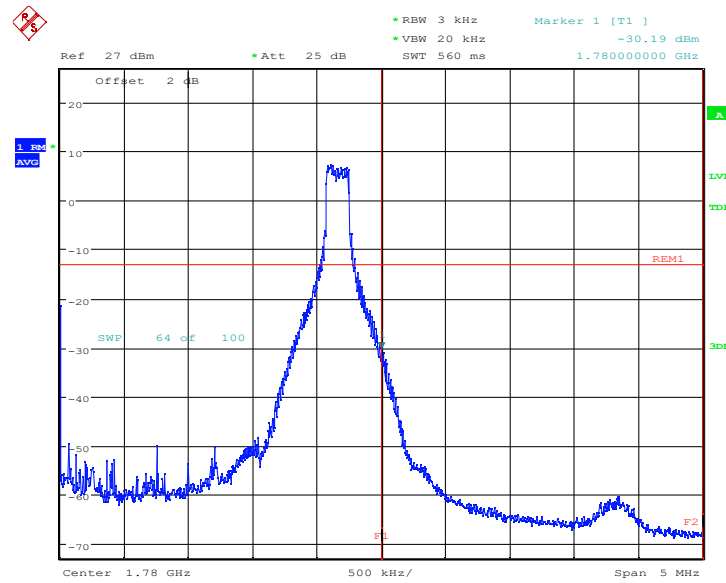


Date: 19.NOV.2022 04:31:10

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

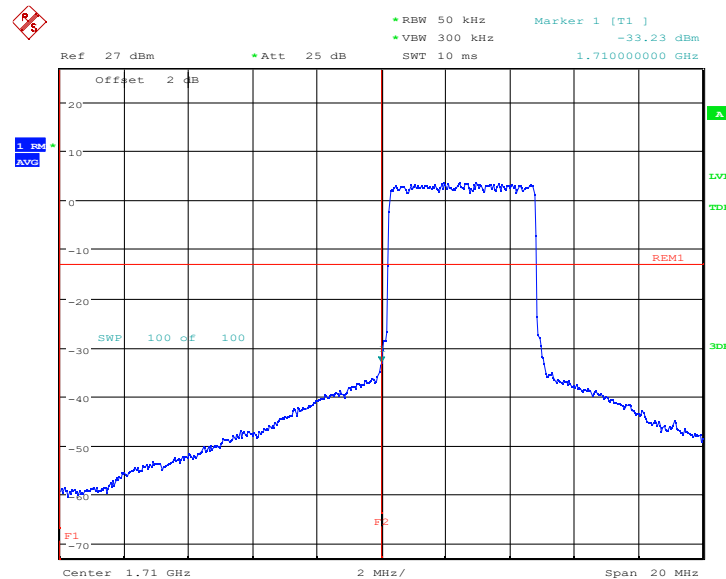
Chongqing Academy of Information and Communication Technology

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 19.NOV.2022 04:32:47

LOW BAND EDGE BLOCK-5M-100%RB



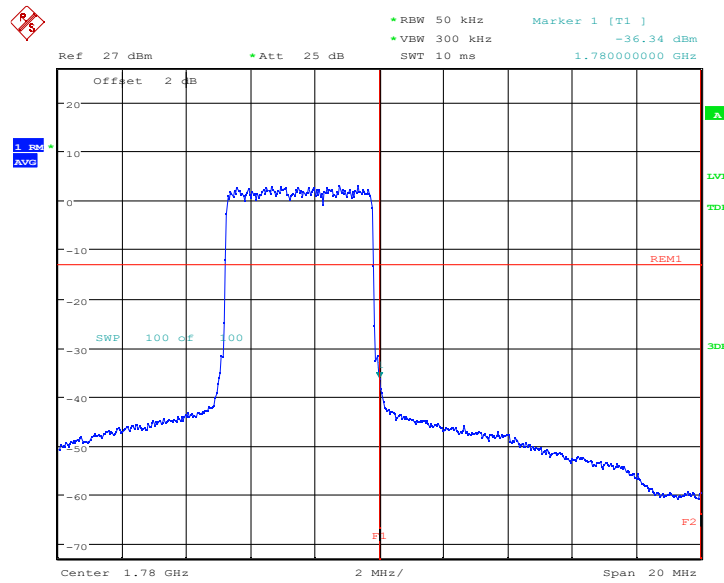
Date: 19.NOV.2022 04:30:46

HIGH BAND EDGE BLOCK-5M-100%RB

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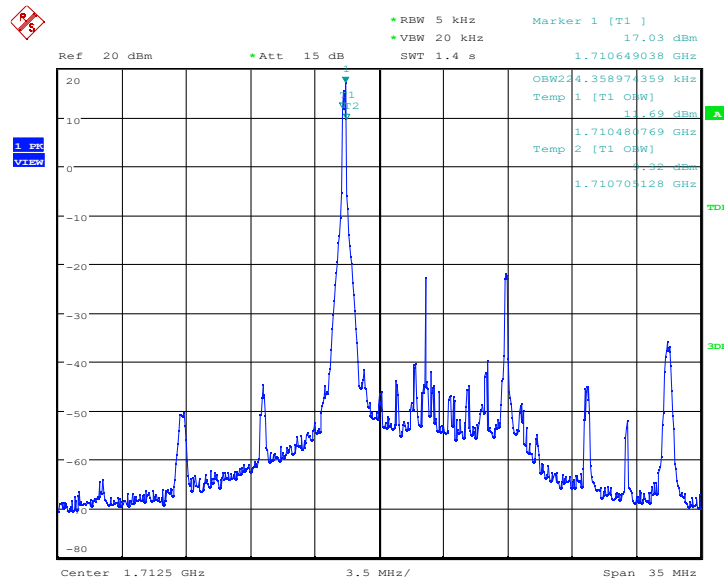
Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 04:33:32

LTE band 66-10MHz

OBW: 1RB-LOW_offset



Date: 19.NOV.2022 04:34:11

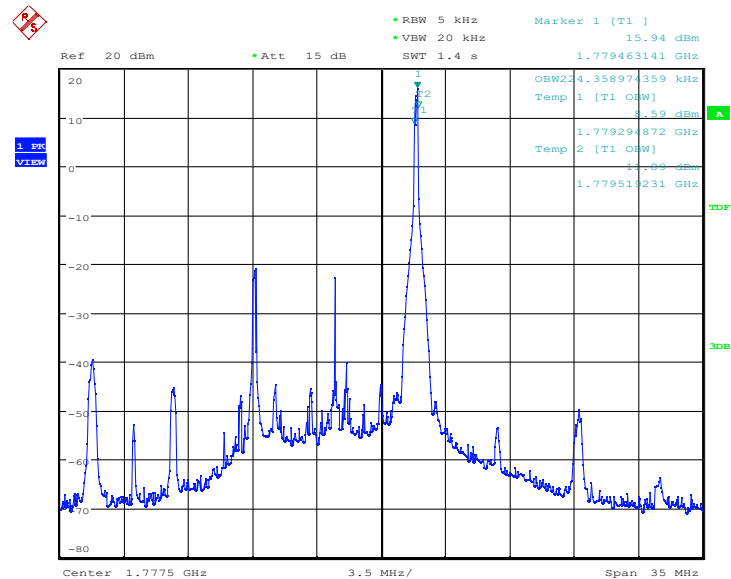
LOW BAND EDGE BLOCK-1RB-LOW_offset

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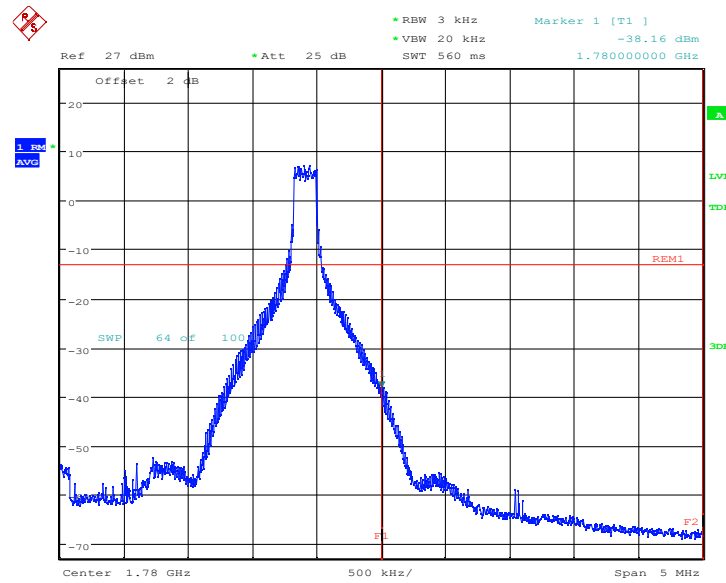


OBW: 1RB-HIGH_offset



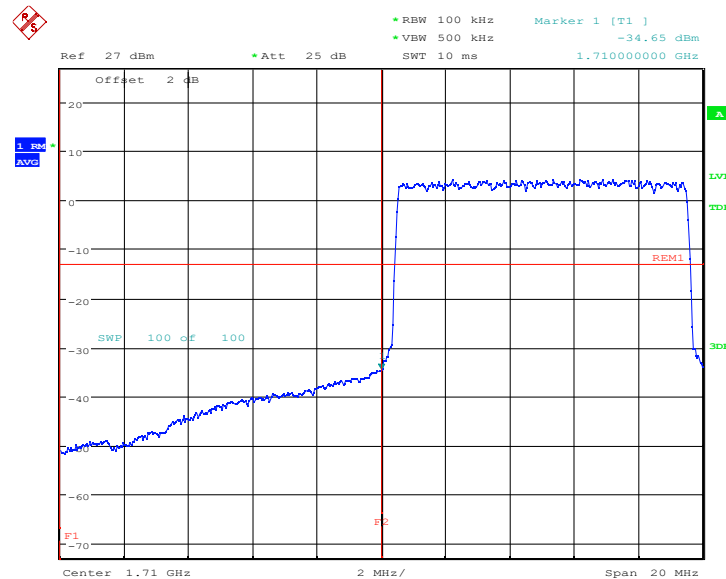
HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Date: 19.NOV.2022 04:38:34

LOW BAND EDGE BLOCK-10M-100%RB



Date: 19.NOV.2022 04:36:34

HIGH BAND EDGE BLOCK-10M-100%RB

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Ref 27 dBm Att 25 dB RBW 100 kHz VBW 500 kHz SWT 10 ms Marker 1 [T1] -40.26 dBm 1.78000000 GHz

Offset 2 dB

1.500 AVG

SWP 100 dB 100

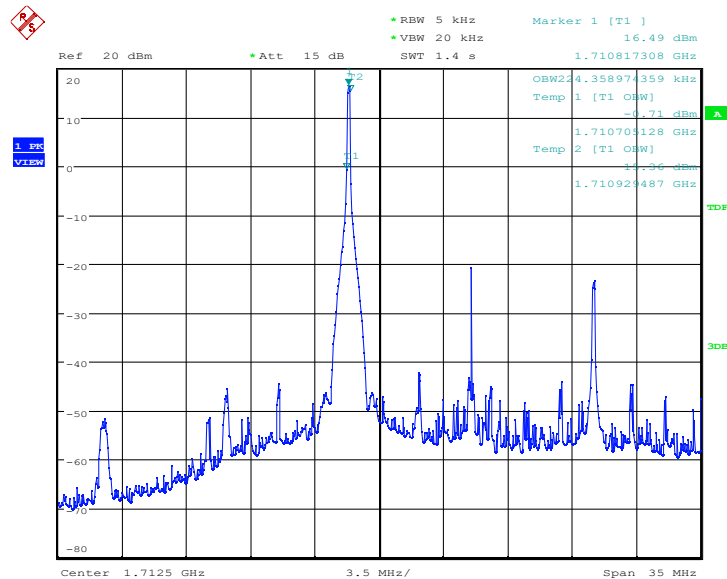
REM1

F1

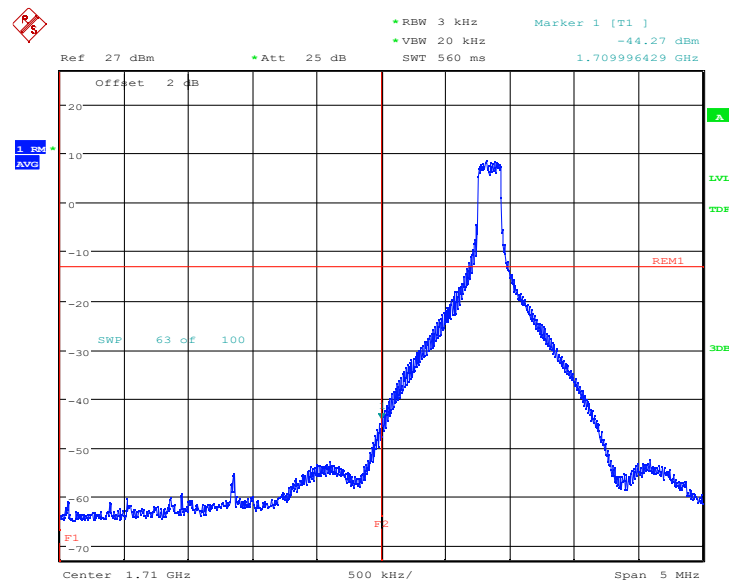
F2

Center 1.78 GHz 2 MHz/ Span 20 MHz

LTE band 66-15MHz
OBW: 1RB-LOW_offset

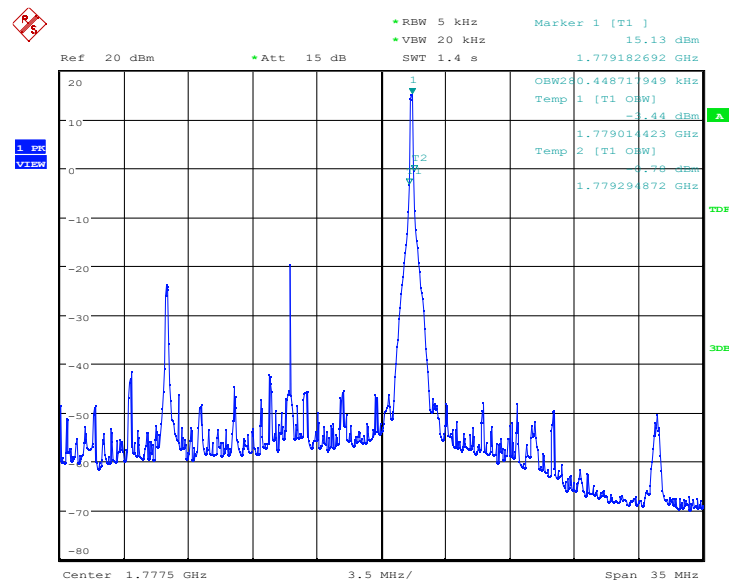


Page 350 of 387



Date: 19.NOV.2022 04:41:34

OBW: 1RB-HIGH_offset

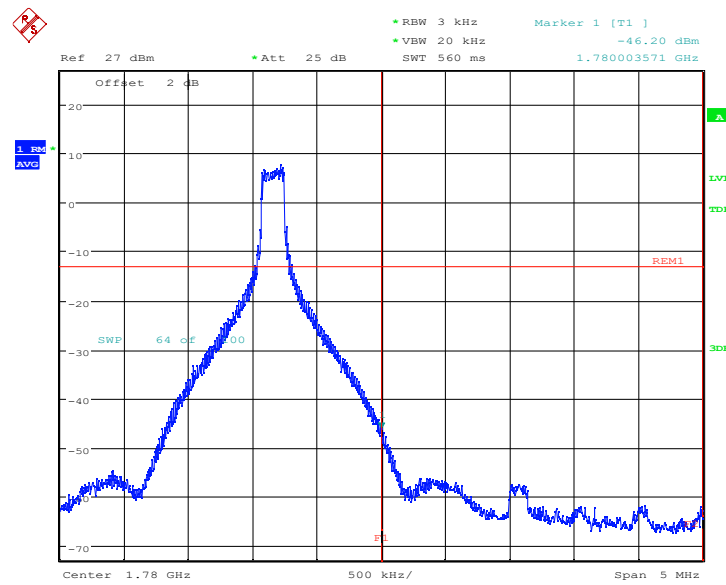


Date: 19.NOV.2022 04:42:45

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

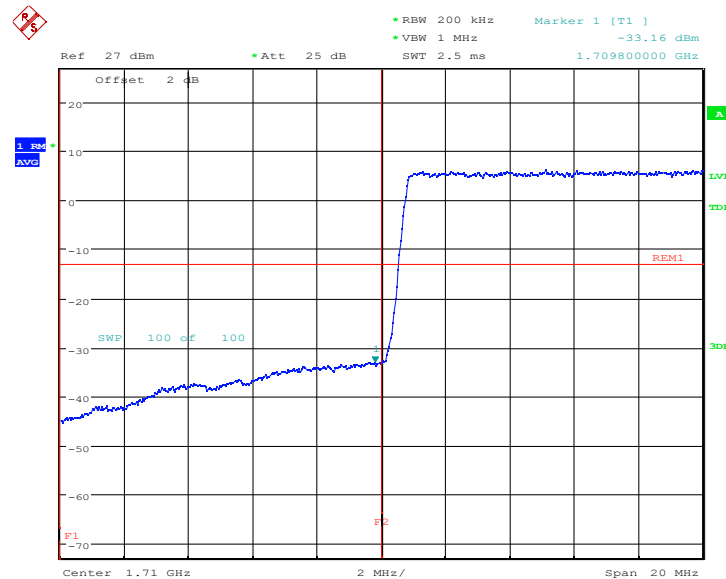
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Date: 19.NOV.2022 04:44:21

LOW BAND EDGE BLOCK-15M-100%RB

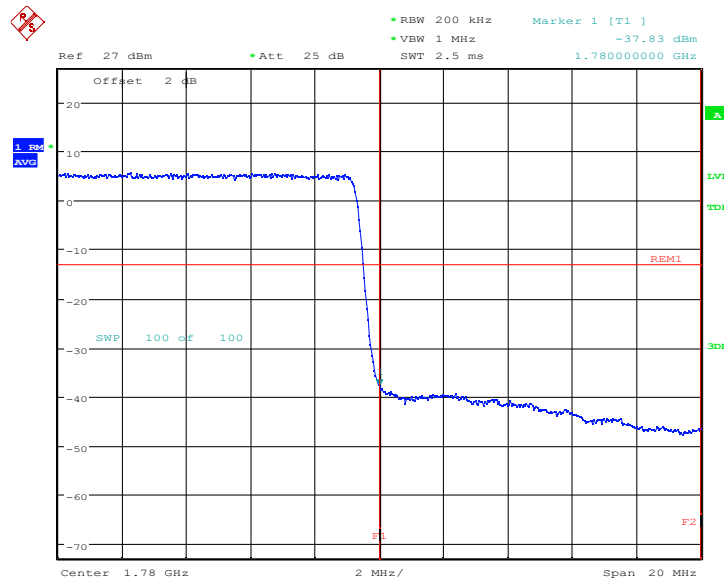


Date: 19.NOV.2022 04:42:18

HIGH BAND EDGE BLOCK-15M-100%RB

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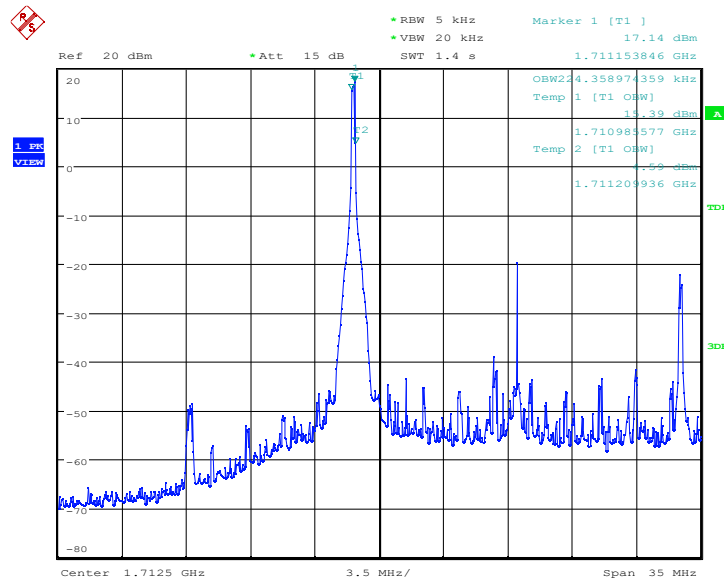
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Date: 19.NOV.2022 04:45:06

LTE band 66-20MHz

OBW: 1RB-LOW_offset



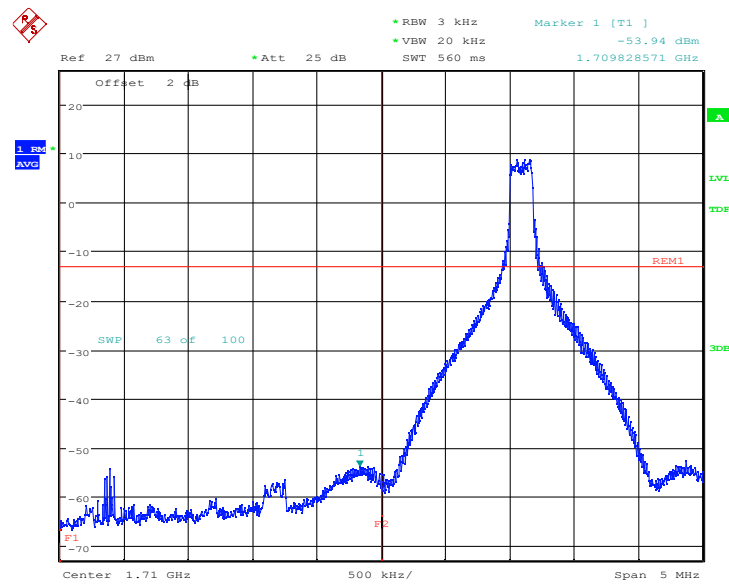
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LOW BAND EDGE BLOCK-1RB-LOW_offset

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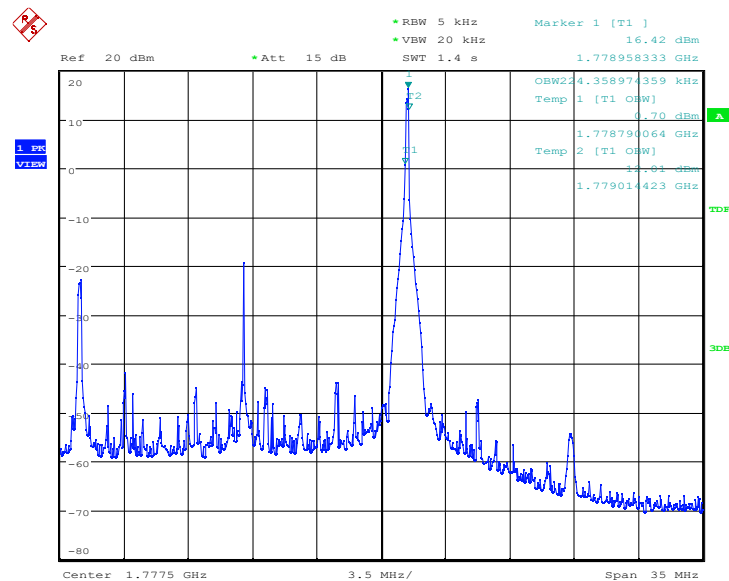
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Report No.: I22W00078-LTE-RF-FCC-Rev3



Date: 19.NOV.2022 04:47:15

OBW: 1RB-HIGH_offset

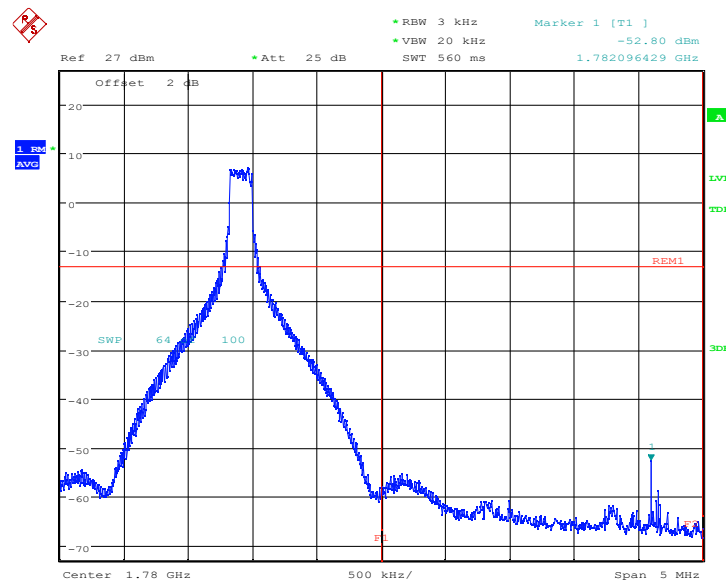


Date: 19.NOV.2022 04:48:26

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

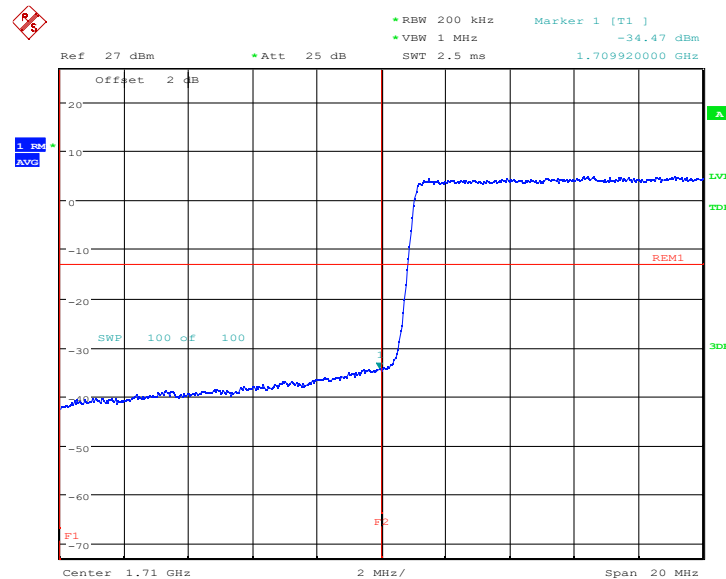
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Date: 19.NOV.2022 04:50:05

LOW BAND EDGE BLOCK-20M-100%RB

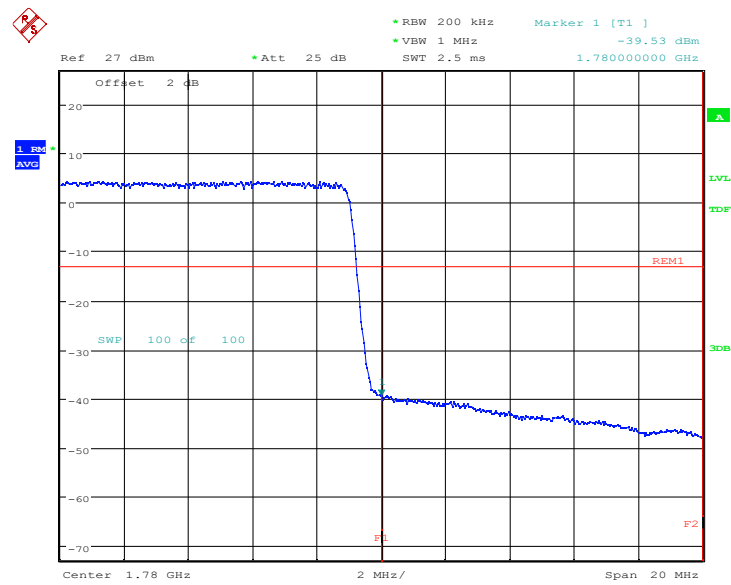


Date: 19.NOV.2022 04:47:59

HIGH BAND EDGE BLOCK-20M-100%RB

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Date: 19.NOV.2022 04:50:49

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6.8. Frequency Stability

Specifications:	FCC Part 2.1055, 22.355, 24.235, 27.54
DUT Serial Number:	868070047049113
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit	
Frequency deviation [ppm]	±2.5

Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	1.54 Hz (k=2)

Test Method

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as FL and FH respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of CMW500.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500, and in a simulated call on middle channel for each LTE band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.

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6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 °C increments from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

6.8.1 Frequency Stability over Temperature Variation Results

LTE band 2, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1880	-17.47	0.0093
50			-16.15	0.0086
40			-17.47	0.0093
30			-12.25	0.0065
10			-10.99	0.0058
0			-10.44	0.0056
-10			-15.21	0.0081
-20			-4.56	0.0024
-30			-13.99	0.0074

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1880	-10.51	0.0056
4.5			-7.65	0.0041

LTE band 4, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1732.5	-11.86	0.0068
50			-7.22	0.0042
40			-7.01	0.0040
30			-9.16	0.0053
10			-8.10	0.0047
0			-6.51	0.0038
-10			-8.31	0.0048

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-20			-3.86	0.0022
-30			-1.06	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1732.5	-7.22	0.0042
4.5			-6.25	0.0036

LTE band 5, 10MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	836.5	-14.38	0.0172
50			-15.99	0.0191
40			-14.21	0.0170
30			-12.17	0.0146
10			-9.06	0.0108
0			-8.66	0.0103
-10			-12.92	0.0154
-20			-11.59	0.0139
-30			-10.04	0.0120

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	836.5	-14.19	0.0170
4.5			-12.63	0.0151

LTE band 7, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	2535	-33.17	0.0131
50			-0.10	0.00004
40			-0.11	0.00004
30			-5.25	0.0021
10			-4.72	0.0019
0			0.04	0.00002
-10			-4.18	0.0016
-20			-1.79	0.0007
-30			-2.88	0.0011

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	2535	4.28	0.0017
4.5			-2.92	0.0012

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LTE band 41, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	2593	-1.67	0.0006
50			3.02	0.0012
40			4.72	0.0018
30			6.80	0.0026
10			-0.64	0.0002
0			3.28	0.0013
-10			2.93	0.0011
-20			0.76	0.0003
-30			5.68	0.0022

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	2593	0.60	0.0002
4.5			4.33	0.0017

LTE band 66, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1745	-18.45	0.0106
50			-8.18	0.0047
40			-8.54	0.0049
30			-10.84	0.0062
10			-4.51	0.0026
0			-5.65	0.0032
-10			-3.43	0.0020
-20			-4.21	0.0024
-30			-6.35	0.0036

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1745	-8.98	0.0051
4.5			-3.99	0.0023

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6.9. Peak to Average Ratio

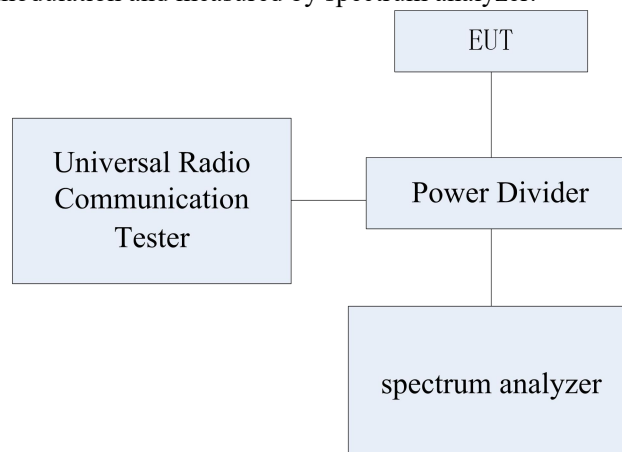
Specifications:	FCC Part 24.232, 27.50
DUT Serial Number:	868070047049113
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit

The EUT meets the requirement of having a peak to average ratio of less than 13dB.

Test Setup

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	0.22 dB (k=2)

Test Method

The transmitter output was connected to a CMW500 through a coaxial RF cable and directional coupler, and configured to operate at maximum power. The peak to average ratio was measured at the required operating frequencies in each Band on the Spectrum Analyzer.

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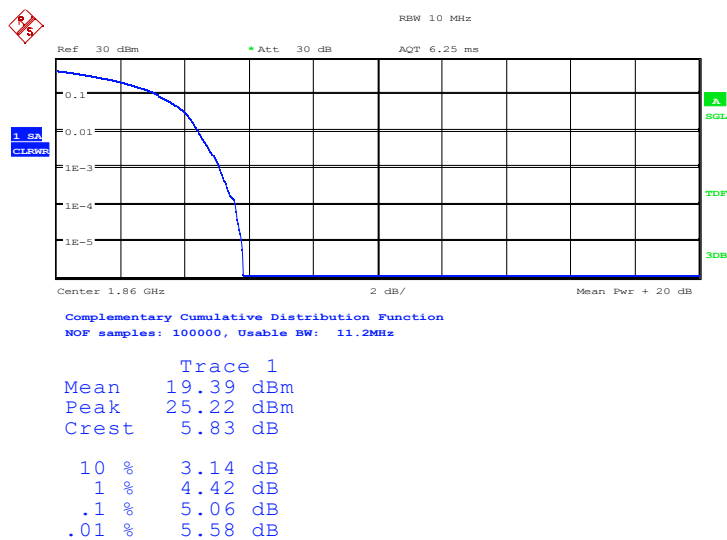
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6.9.1 Peak to Average Ratio Results

LTE Band 2, 20MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1860	100%,0	5.06
1880	100%,0	5.13
1900	100%,0	5.13

LTE band 2 , 20MHz Bandwidth,QPSK

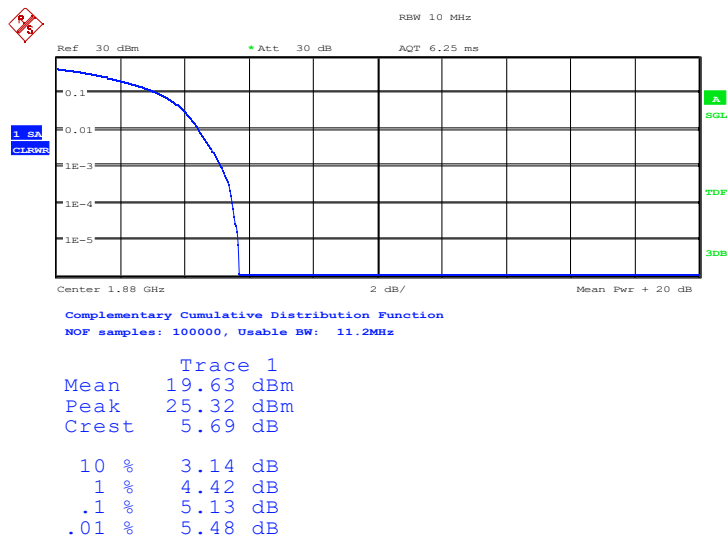


Date: 19.NOV.2022 05:22:03

LTE band 2 , 20MHz Bandwidth,QPSK

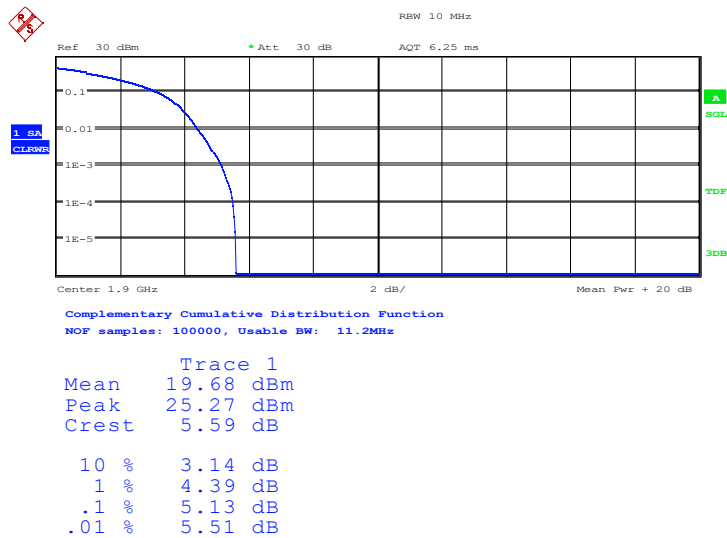
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Date: 19.NOV.2022 05:22:22

LTE band 2 , 20MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:22:52

LTE Band 2, 5MHz

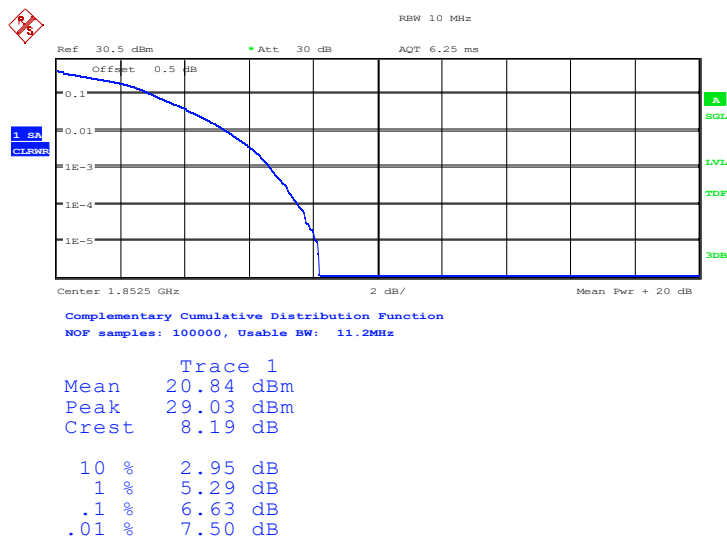
Frequency (MHz)	RB	PAPR (dB)
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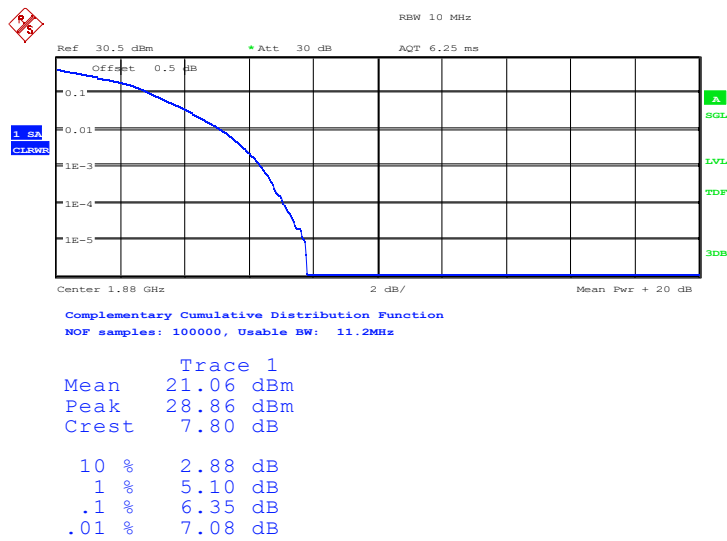
		16QAM
1852.5	100%,0	6.63
1880	100%,0	6.35
1907.5	100%,0	6.57

LTE band 2 , 5MHz Bandwidth,16QAM



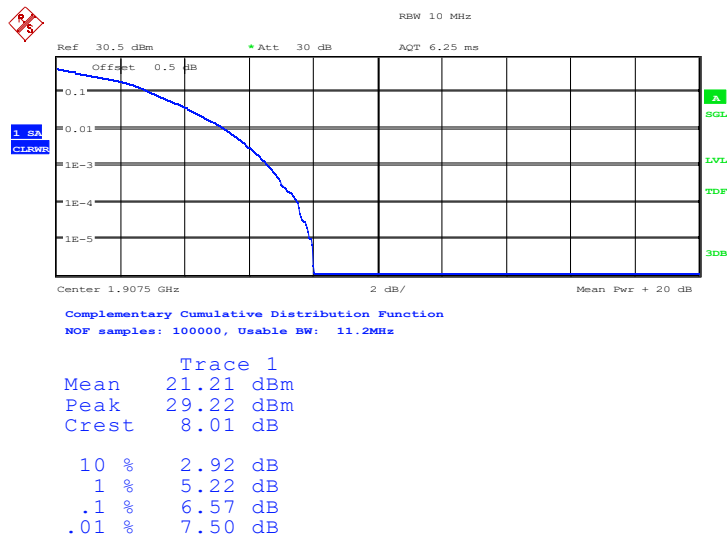
Date: 11.DEC.2022 13:54:31

LTE band 2 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 13:54:48

LTE band 2 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 13:55:05

LTE Band 4, 20MHz

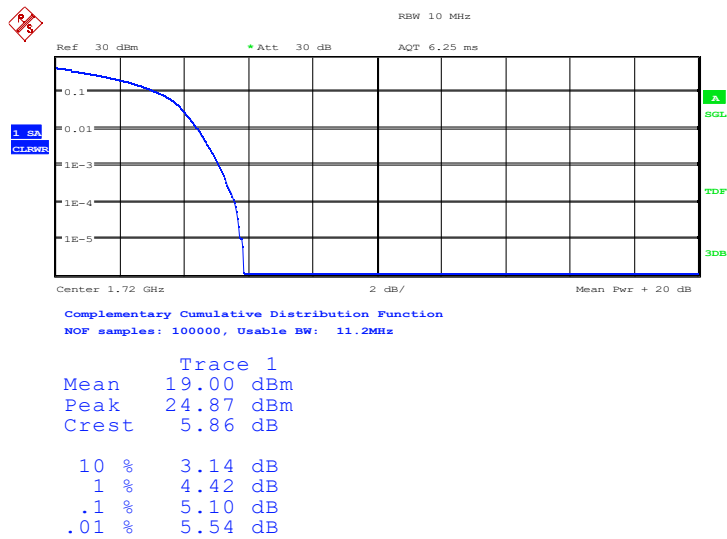
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1720	100%,0	5.10
1732.5	100%,0	5.13
1745	100%,0	5.10

LTE band 4 , 20MHz Bandwidth,QPSK

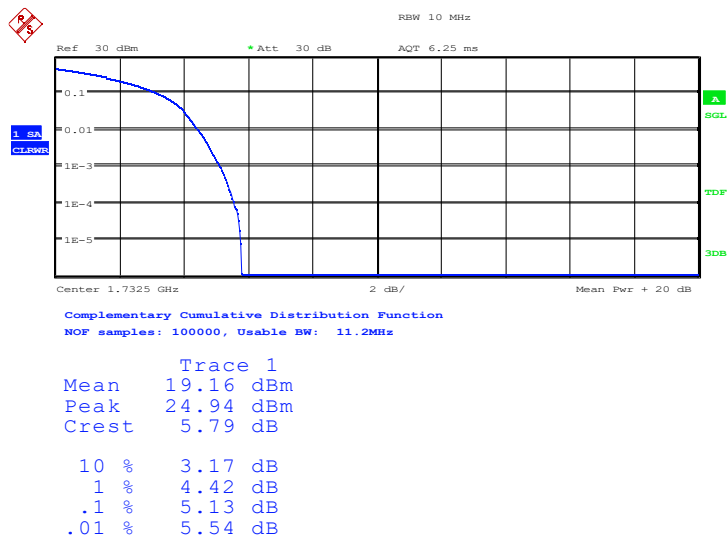


Date: 19.NOV.2022 05:23:09

LTE band 4 , 20MHz Bandwidth,QPSK

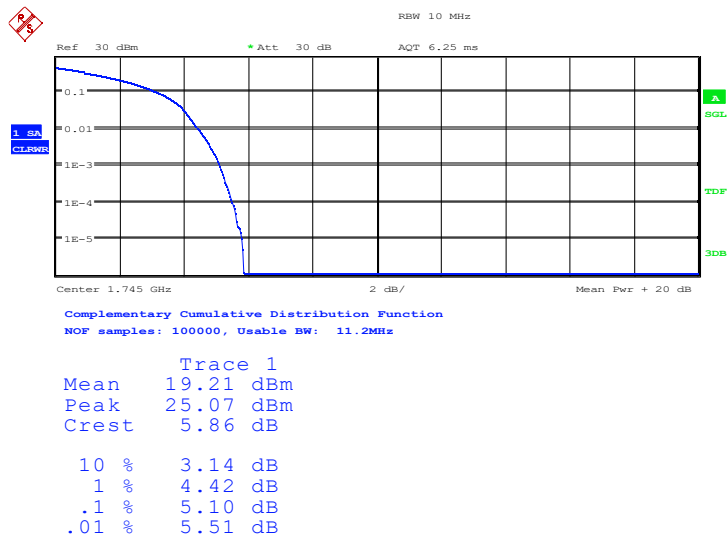
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Date: 19.NOV.2022 05:23:30

LTE band 4 , 20MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:23:48

LTE Band 4, 5MHz

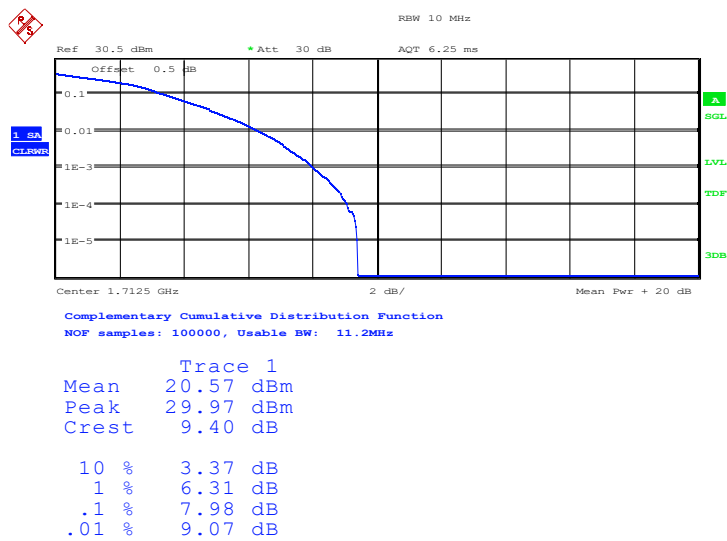
Frequency (MHz)	RB	PAPR (dB)
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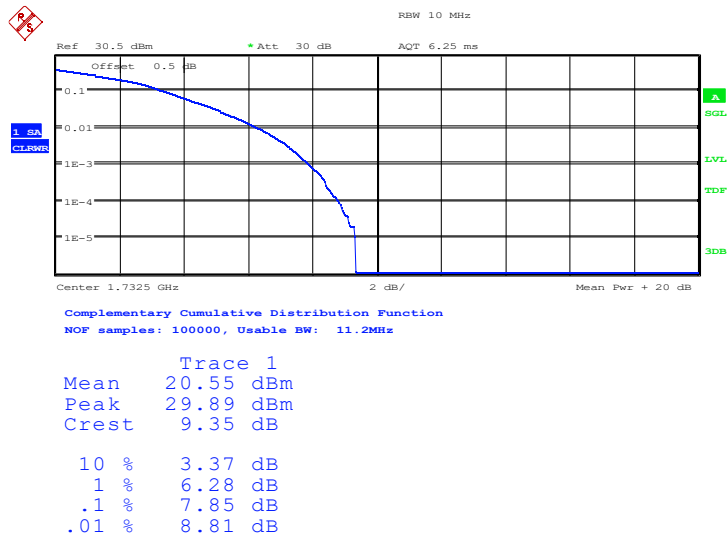
		16QAM
1712.5	100%,0	7.98
1732.5	100%,0	7.85
1752.5	100%,0	7.66

LTE band 4 , 5MHz Bandwidth,16QAM



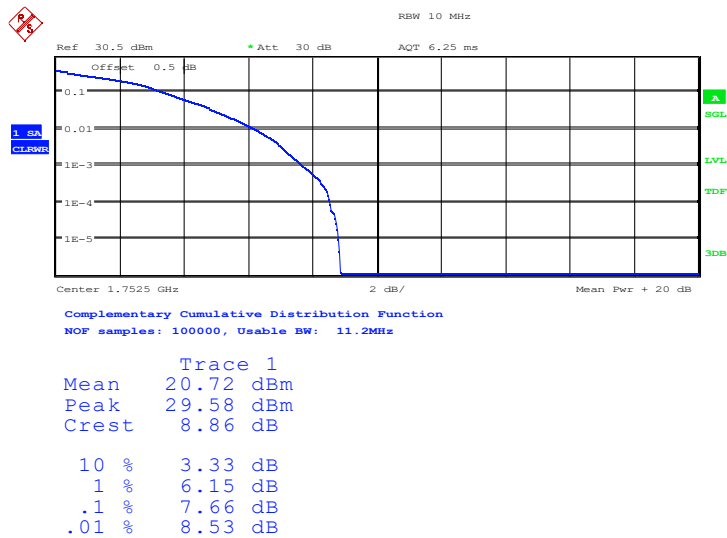
Date: 11.DEC.2022 14:02:34

LTE band 4 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 14:02:57

LTE band 4 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 13:55:57

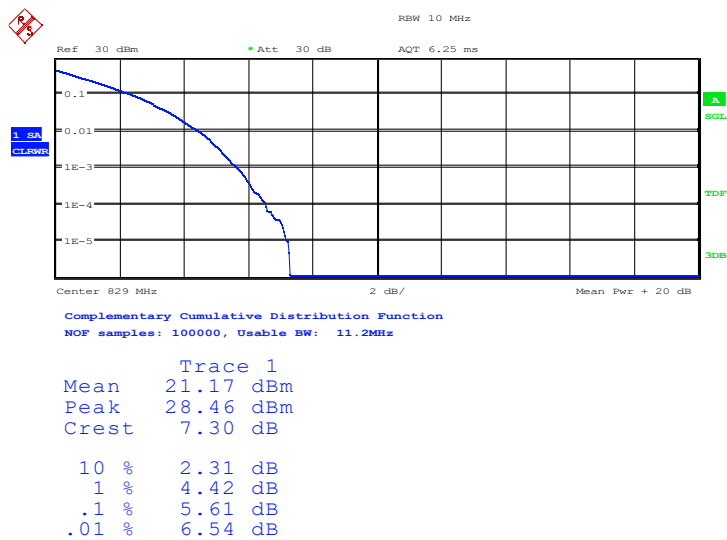
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LTE Band 5, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
829	100%,0	5.61
836.5	100%,0	5.71
844	100%,0	5.51

LTE band 5 , 10MHz Bandwidth,QPSK

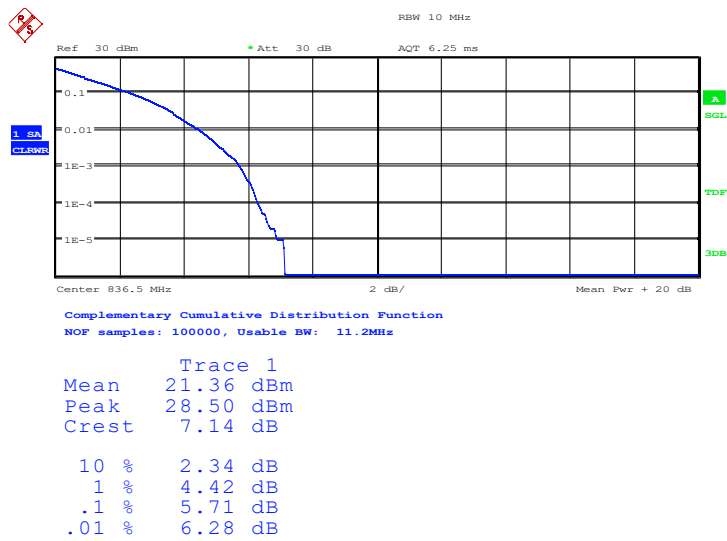


Date: 19.NOV.2022 05:25:04

LTE band 5 , 10MHz Bandwidth,QPSK

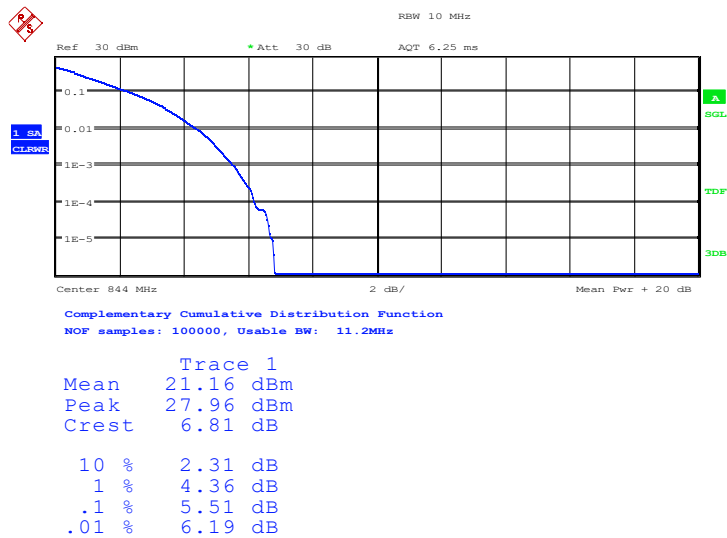
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Date: 19.NOV.2022 05:25:20

LTE band 5 , 10MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:25:36

LTE Band 5, 5MHz

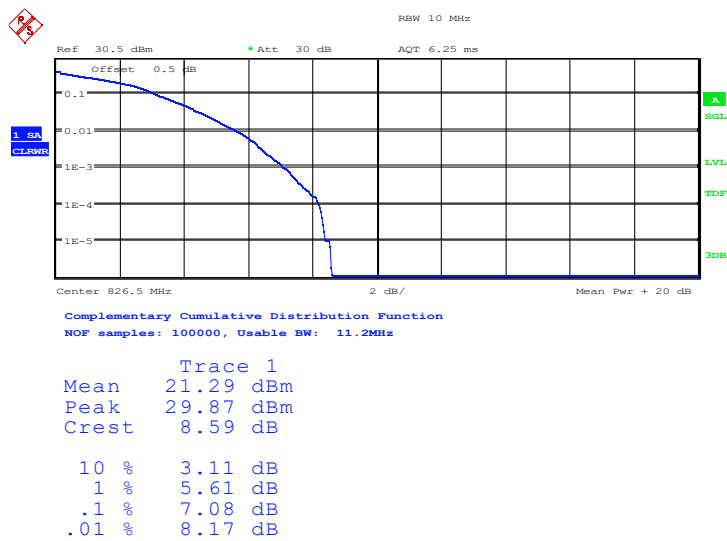
Frequency (MHz)	RB	PAPR (dB)
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		16QAM
826.5	100%,0	7.08
836.5	100%,0	7.08
846.5	100%,0	7.02

LTE band 5 , 5MHz Bandwidth,16QAM

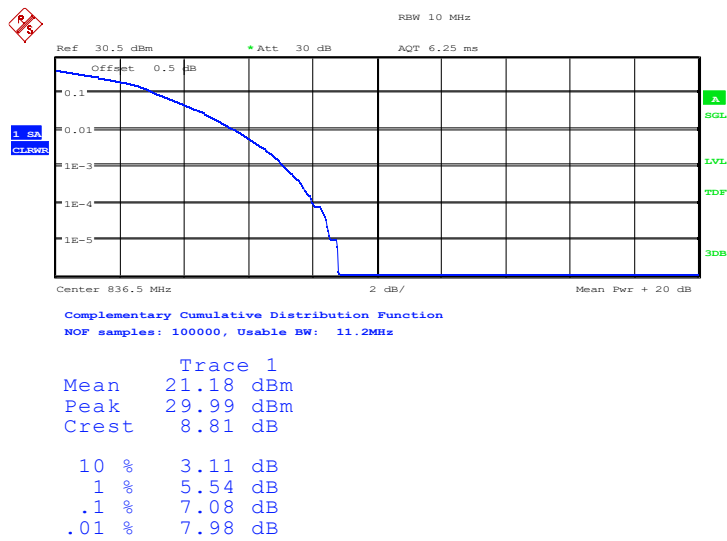


Date: 11.DEC.2022 14:08:08

LTE band 5 , 5MHz Bandwidth,16QAM

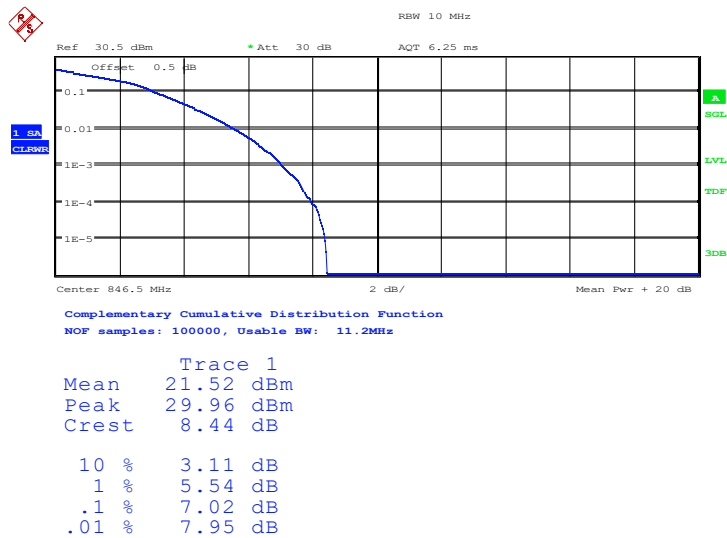
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Date: 11.DEC.2022 14:08:32

LTE band 5 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 14:04:30

LTE Band 7, 20MHz

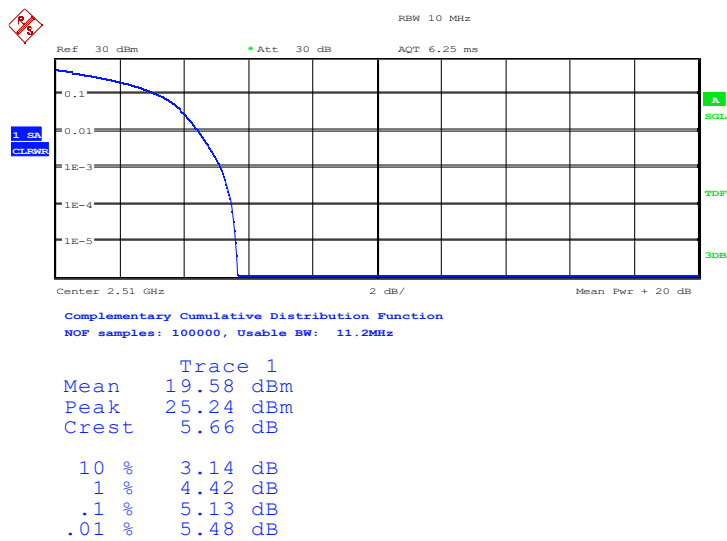
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
2510	100%,0	5.13
2535	100%,0	5.06
2560	100%,0	5.06

LTE band 7 , 20MHz Bandwidth,QPSK

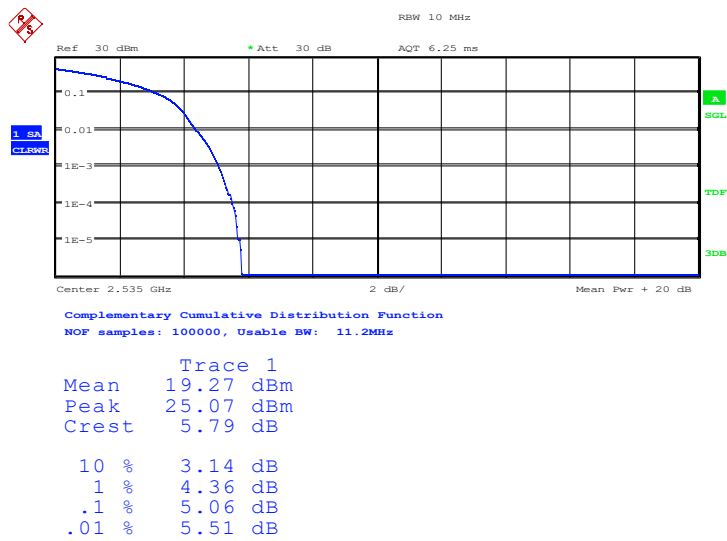


Date: 19.NOV.2022 05:26:02

LTE band 7 , 20MHz Bandwidth,QPSK

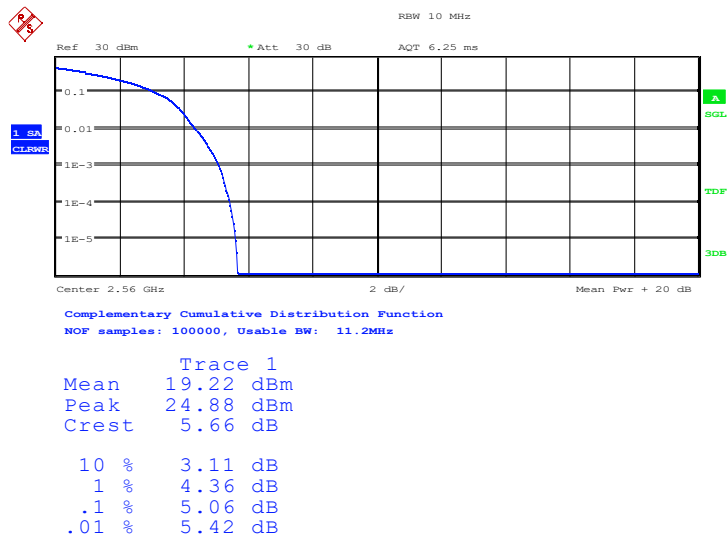
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Date: 19.NOV.2022 05:26:19

LTE band 7 , 20MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:26:35

LTE Band 7, 5MHz

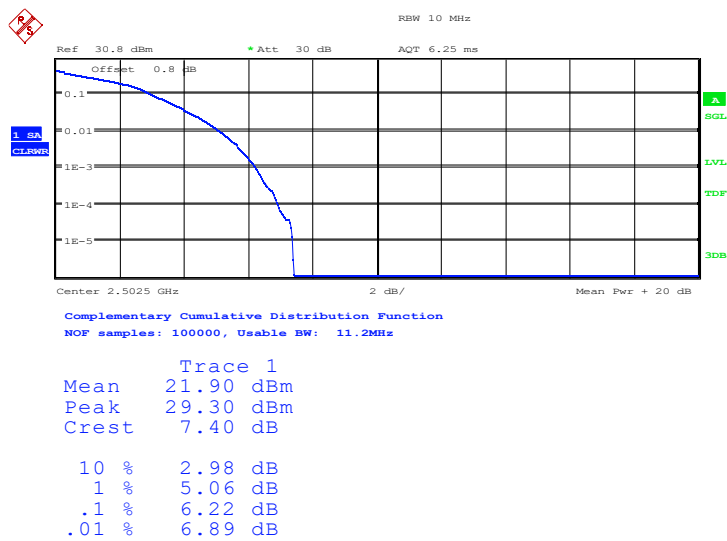
Frequency (MHz)	RB	PAPR (dB)
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		16QAM
2502.5	100%,0	6.22
2535	100%,0	6.60
2567.5	100%,0	6.38

LTE band 7 , 5MHz Bandwidth,16QAM

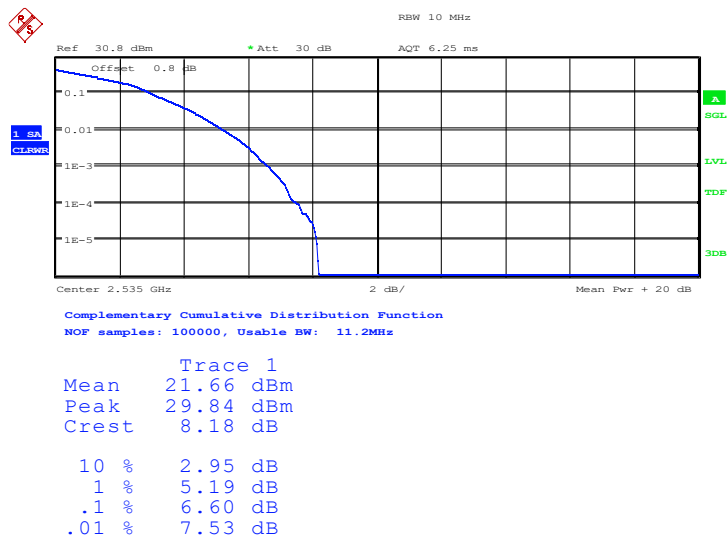


Date: 11.DEC.2022 13:57:26

LTE band 7 , 5MHz Bandwidth,16QAM

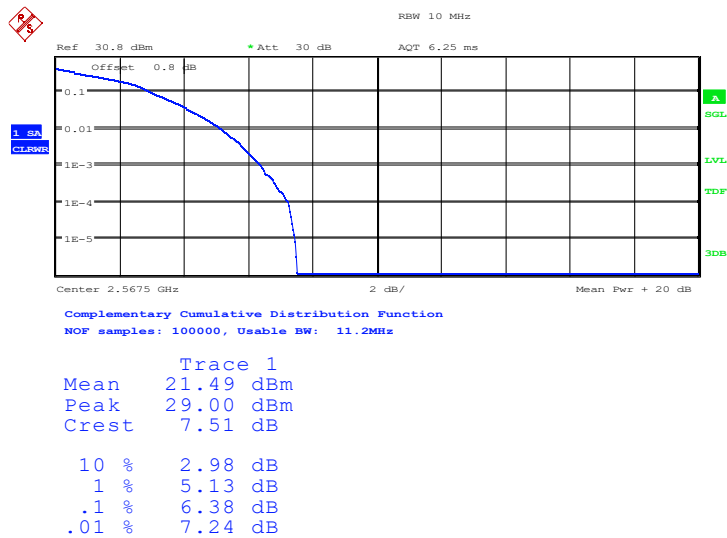
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Date: 11.DEC.2022 14:07:20

LTE band 7 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 13:58:04

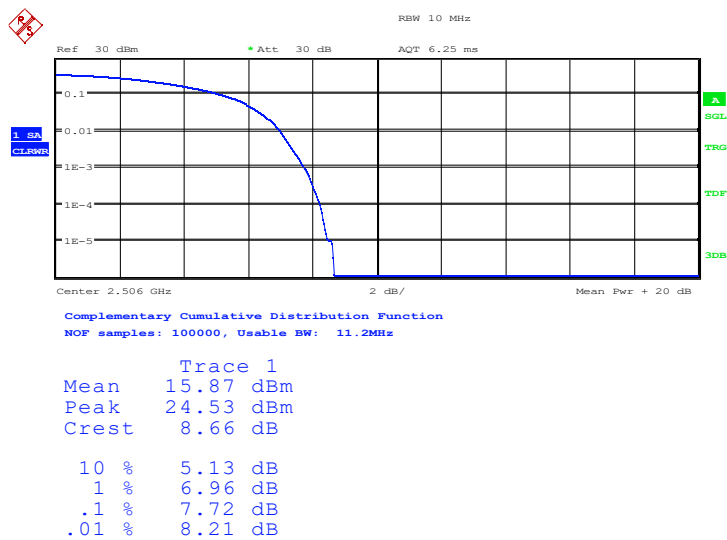
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LTE Band 41, 20MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
2506	100%,0	7.72
2593	100%,0	7.79
2680	100%,0	7.79

LTE band 41 , 20MHz Bandwidth,QPSK

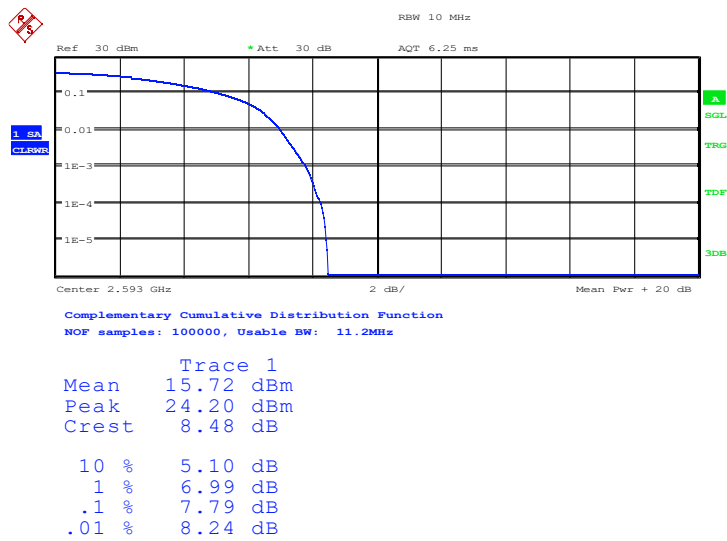


Date: 19.NOV.2022 05:27:32

LTE band 41 , 20MHz Bandwidth,QPSK

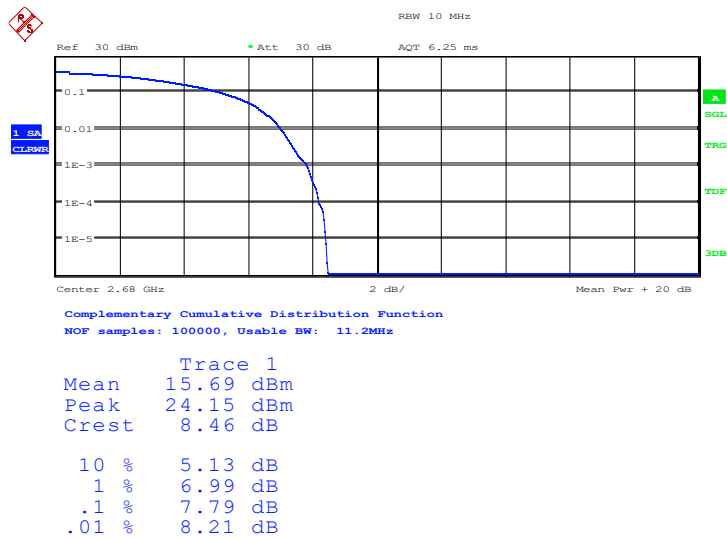
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Date: 19.NOV.2022 05:27:48

LTE band 41 , 20MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:28:04

LTE Band 41, 5MHz

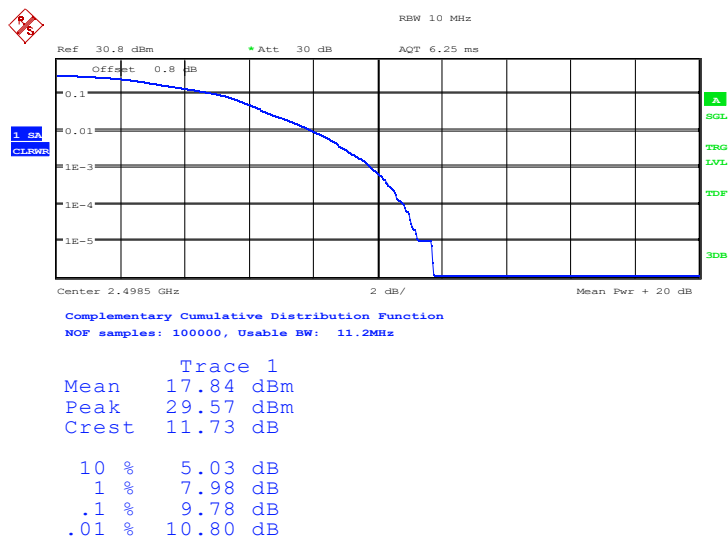
Frequency (MHz)	RB	PAPR (dB)
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		16QAM
2498.5	100%,0	9.78
2593	100%,0	9.55
2687.5	100%,0	9.78

LTE band 41 , 5MHz Bandwidth,16QAM

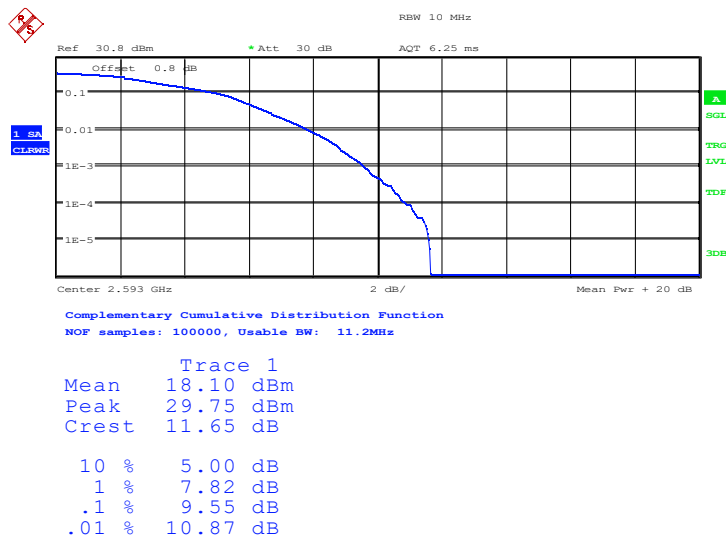


Date: 11.DEC.2022 13:59:18

LTE band 41 , 5MHz Bandwidth,16QAM

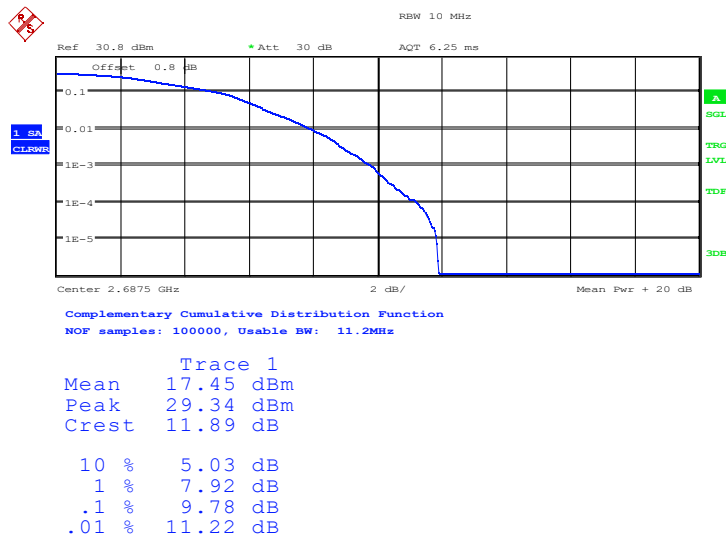
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Date: 11.DEC.2022 14:05:33

LTE band 41 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 13:59:52

LTE Band 66, 20MHz

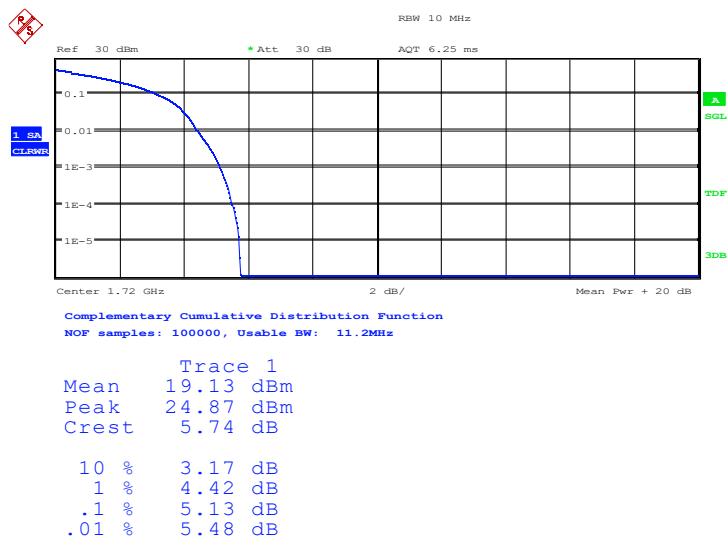
Frequency (MHz)	RB	PAPR (dB)
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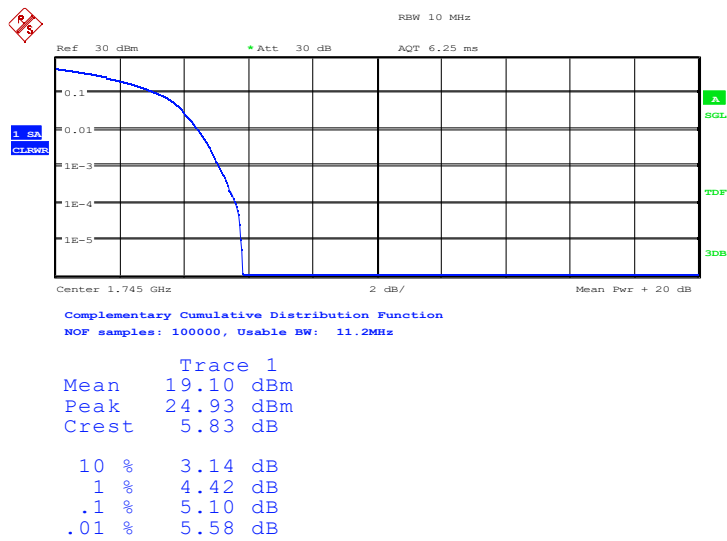
		QPSK
1720	100%,0	5.13
1745	100%,0	5.10
1770	100%,0	5.10

LTE band 66 , 20MHz Bandwidth,QPSK



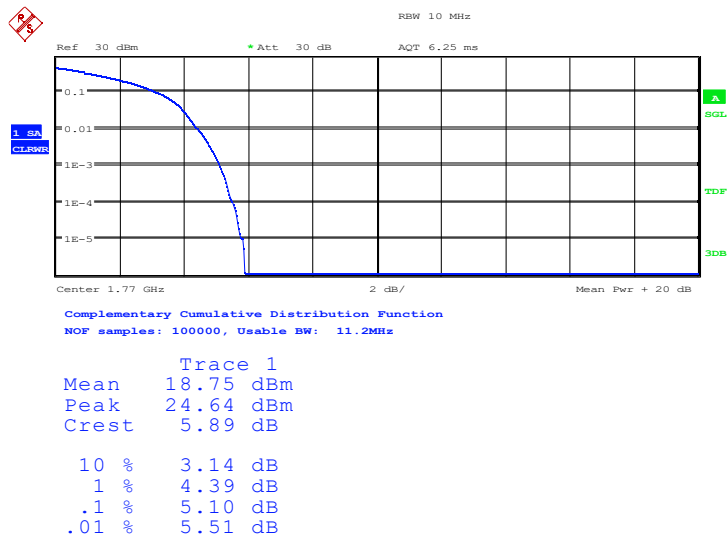
Date: 19.NOV.2022 05:29:47

LTE band 66 , 20MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:30:07

LTE band 66 , 20MHz Bandwidth,QPSK



Date: 19.NOV.2022 05:30:23

LTE Band 66, 5MHz

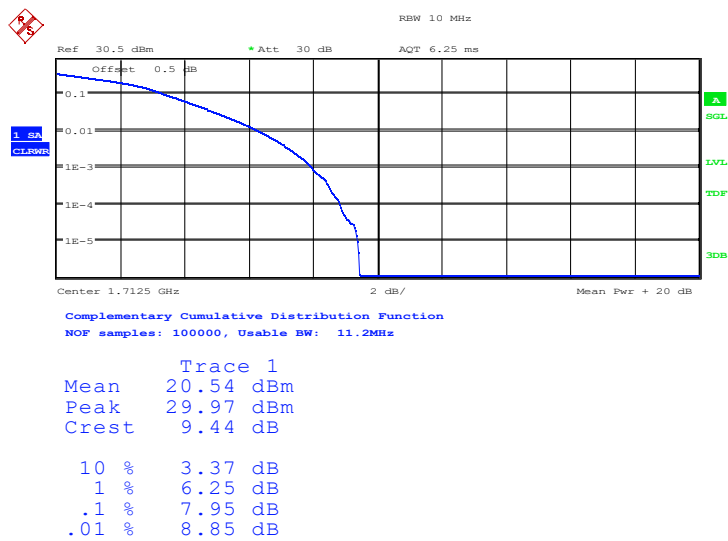
Frequency (MHz)	RB	PAPR (dB)
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		16QAM
1712.5	100%,0	7.95
1745	100%,0	7.76
1777.5	100%,0	7.24

LTE band 66 , 5MHz Bandwidth,16QAM

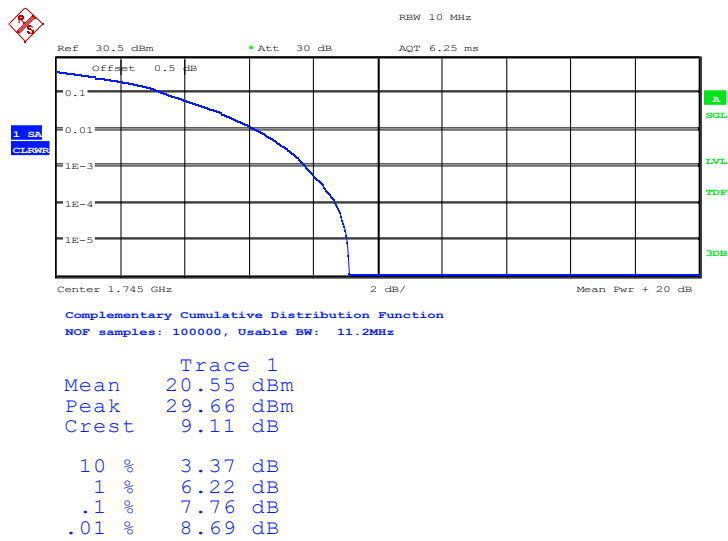


Date: 11.DEC.2022 14:10:09

LTE band 66 , 5MHz Bandwidth,16QAM

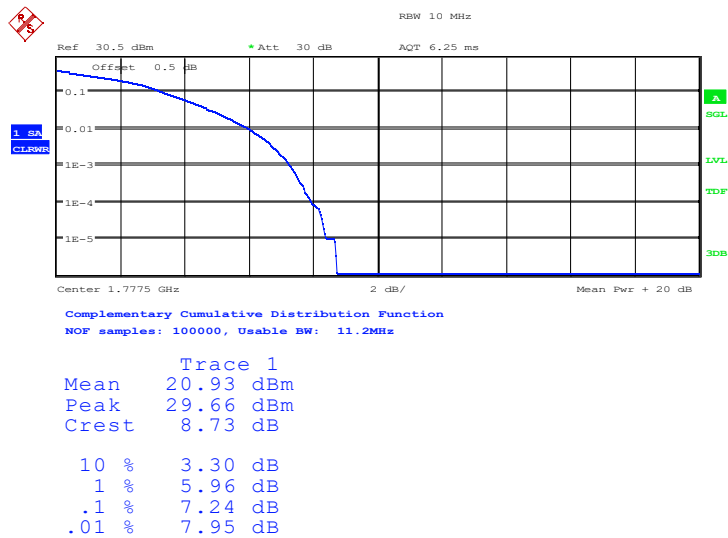
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Date: 11.DEC.2022 14:01:36

LTE band 66 , 5MHz Bandwidth,16QAM



Date: 11.DEC.2022 14:02:00

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Annex A EUT Photos

See the document "I22W00078-External Photos".

See the document "I22W00078-Internal Photos".

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ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

*****END OF REPORT*****

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