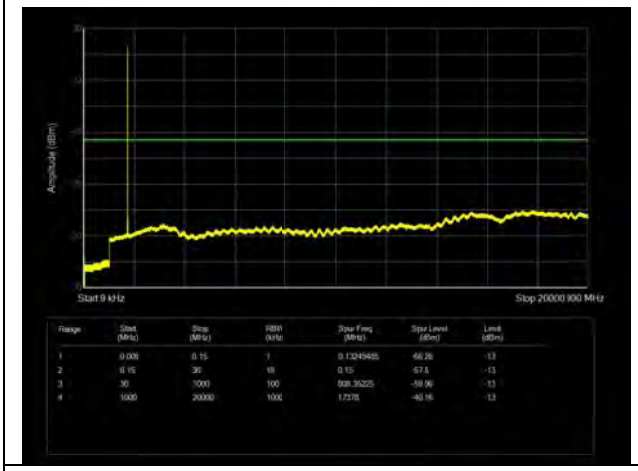
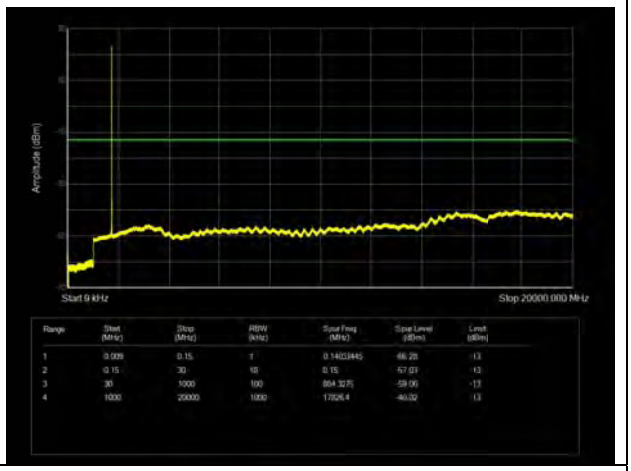
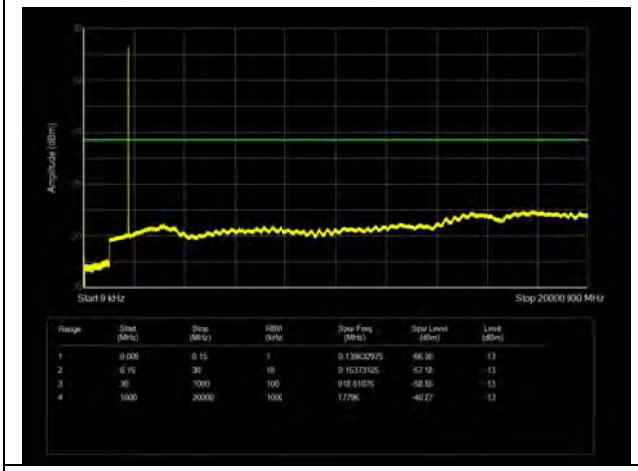
LTE Band 66 1.4MHz CH-Low 9kHz~20GHz



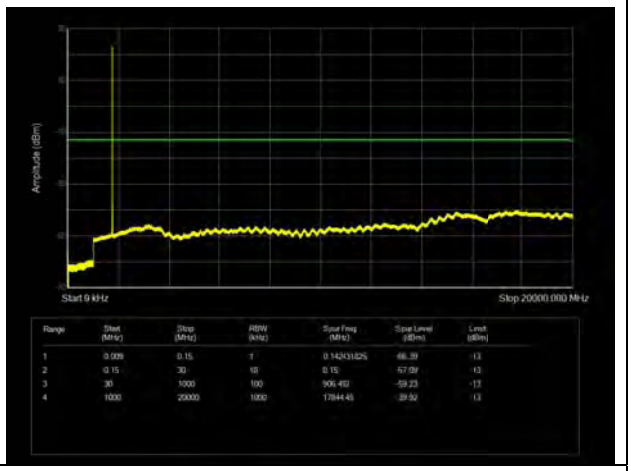
LTE Band 66 3MHz CH- Low 9kHz~20GHz



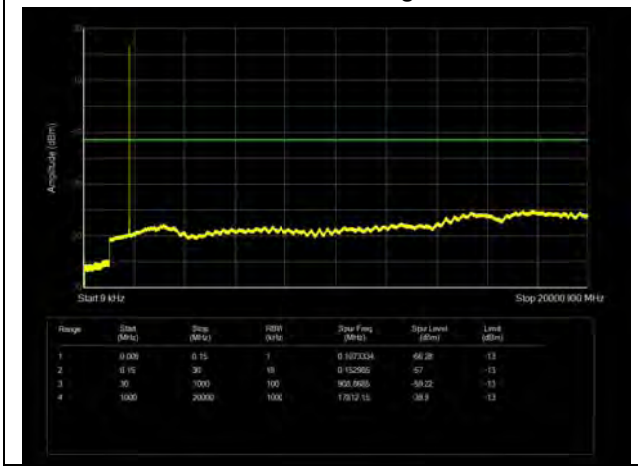
LTE Band 66 1.4MHz CH- Middle 9kHz~20GHz



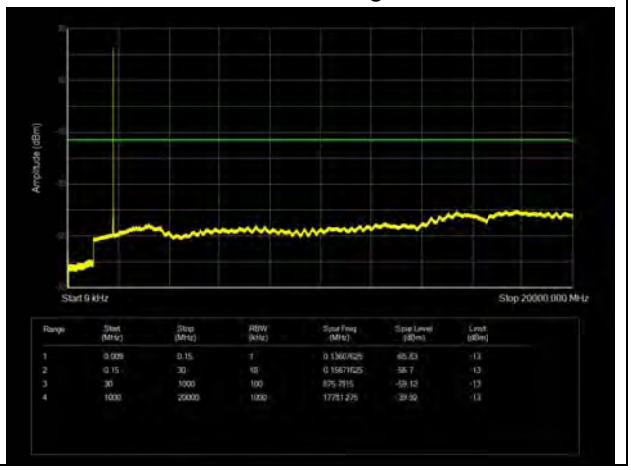
LTE Band 66 3MHz CH- Middle 9kHz~20GHz



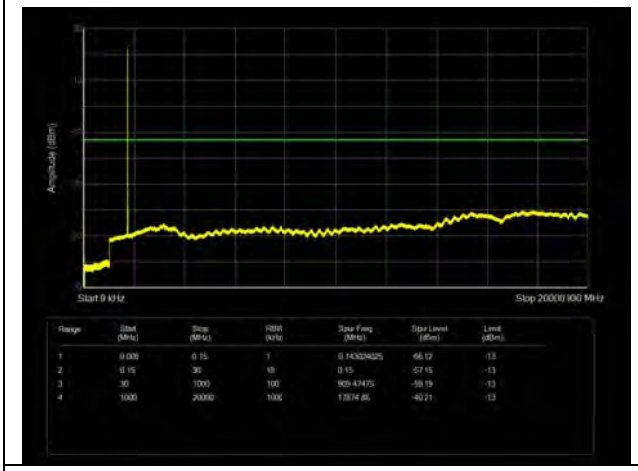
LTE Band 66 1.4MHz CH- High 9kHz~20GHz



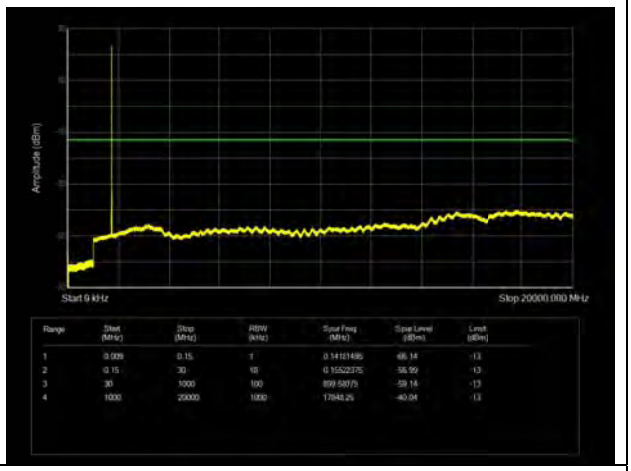
LTE Band 66 3MHz CH-High 9kHz~20GHz



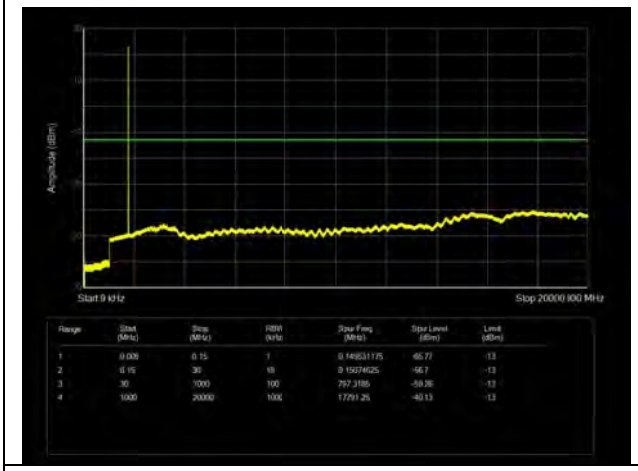
LTE Band 66 5MHz CH- Low 9kHz~20GHz



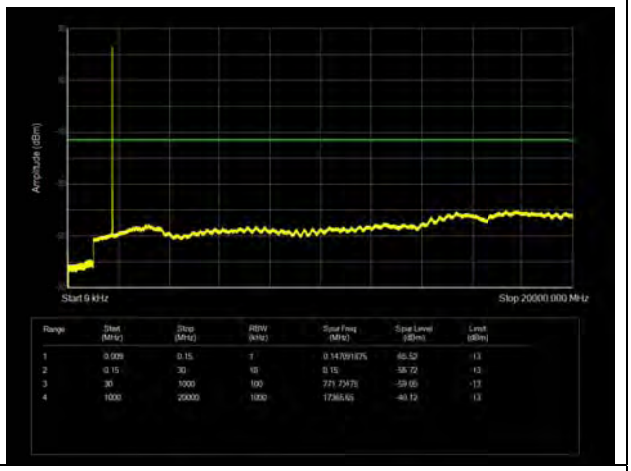
LTE Band 66 10MHz CH-Low 9kHz~20GHz



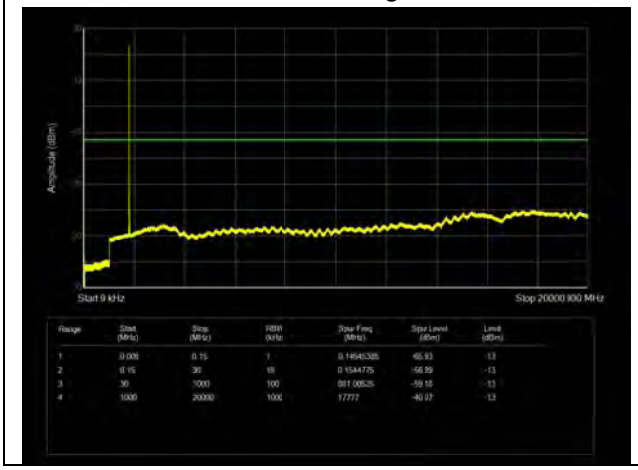
LTE Band 66 5MHz CH- Middle 9kHz~20GHz



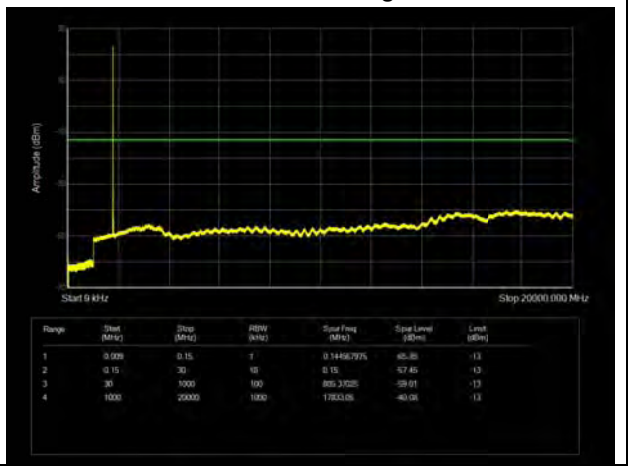
LTE Band 66 10MHz CH- Middle 9kHz~20GHz



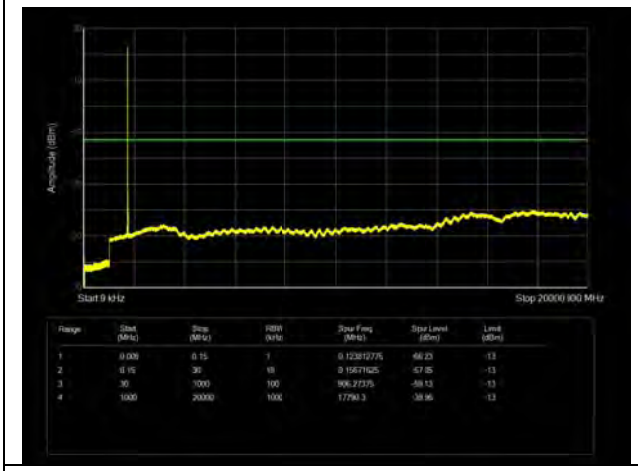
LTE Band 66 5MHz CH-High 9kHz~20GHz



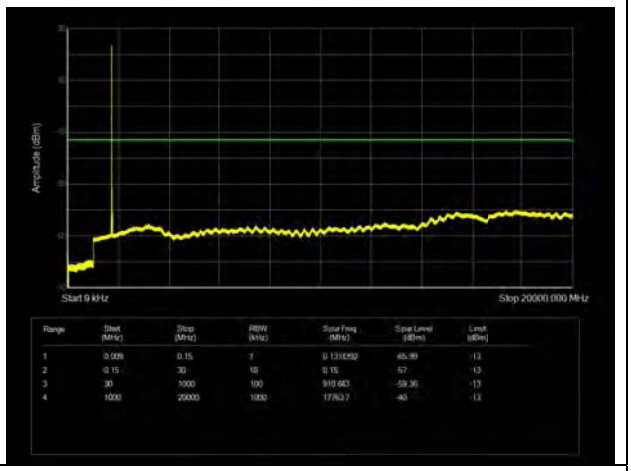
LTE Band 66 10MHz CH- High 9kHz~20GHz



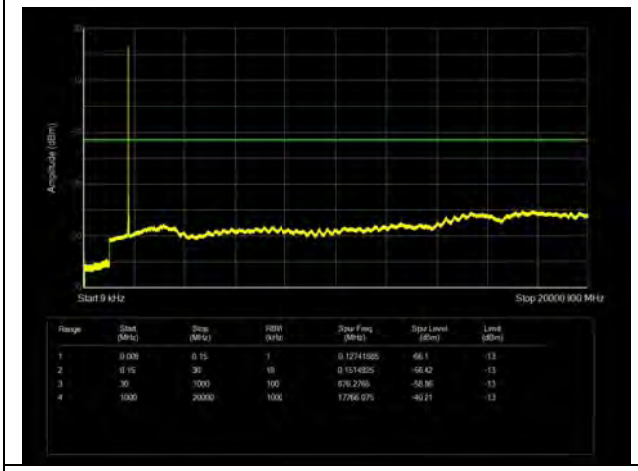
LTE Band 66 15MHz CH- Low 9kHz~20GHz



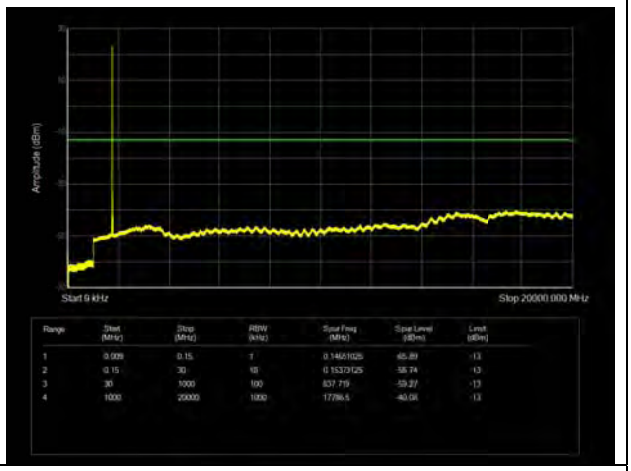
LTE Band 66 20MHz CH-Low 9kHz~20GHz



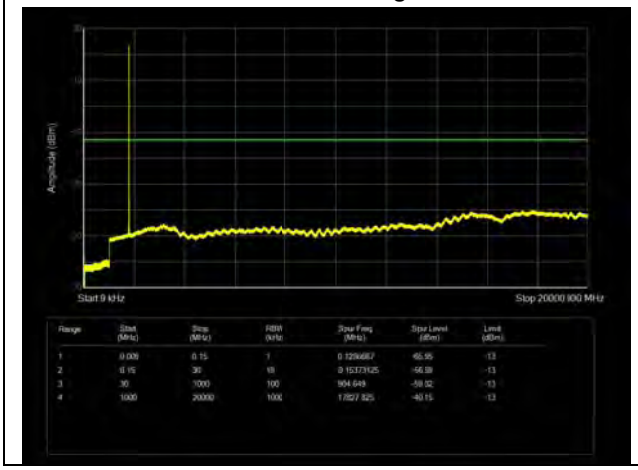
LTE Band 66 15MHz CH- Middle 9kHz~20GHz



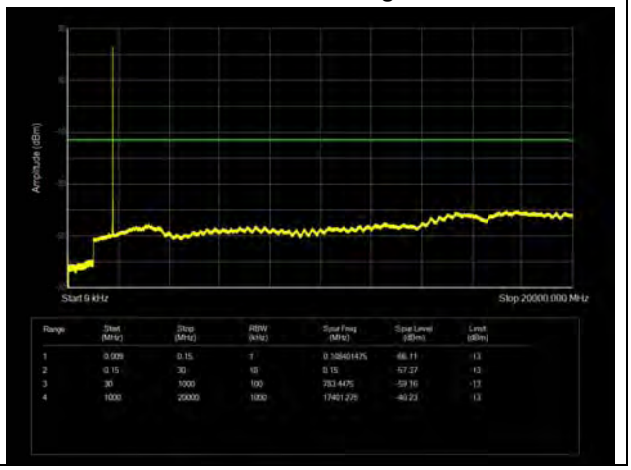
LTE Band 66 20MHz CH- Middle 9kHz~20GHz



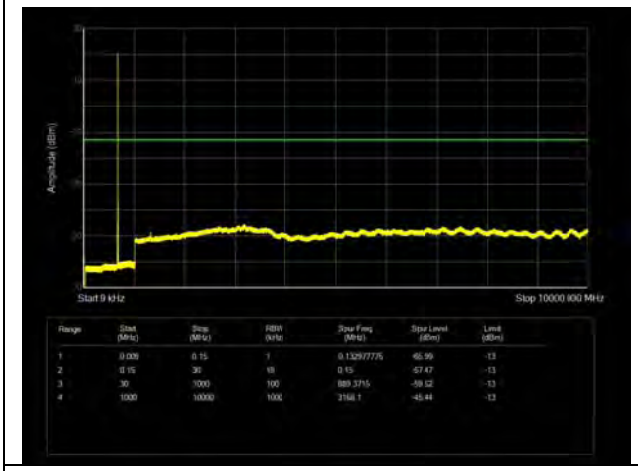
LTE Band 66 15MHz CH-High 9kHz~20GHz



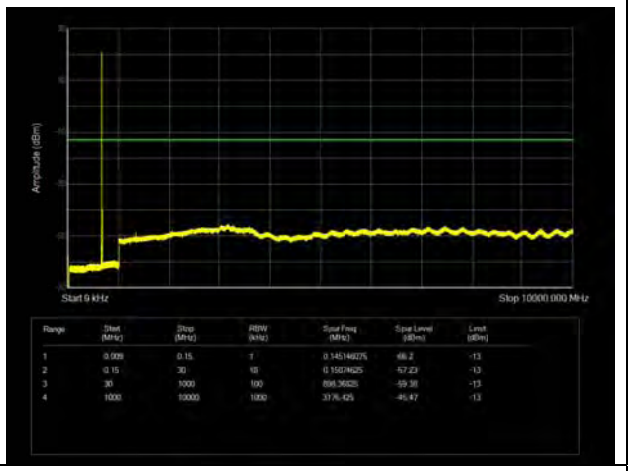
LTE Band 66 20MHz CH- High 9kHz~20GHz



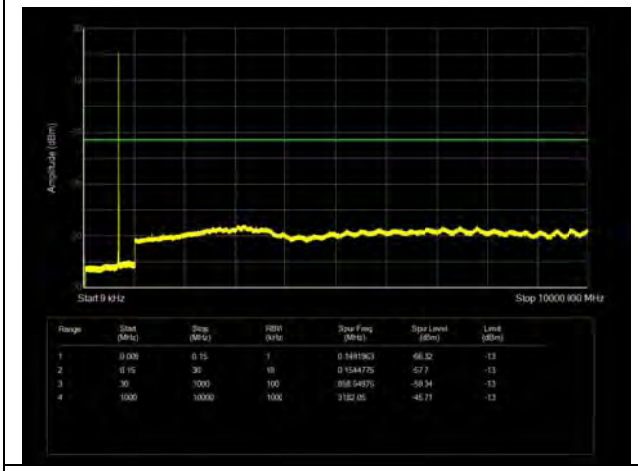
LTE Band 71 5MHz CH- Low 9kHz~10GHz



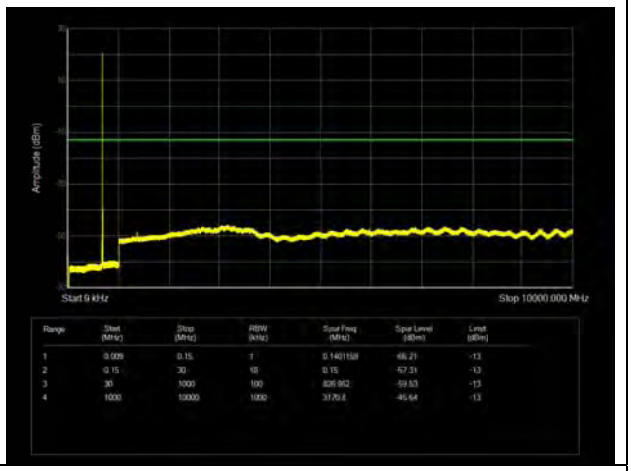
LTE Band 71 10MHz CH- Low 9kHz~10GHz



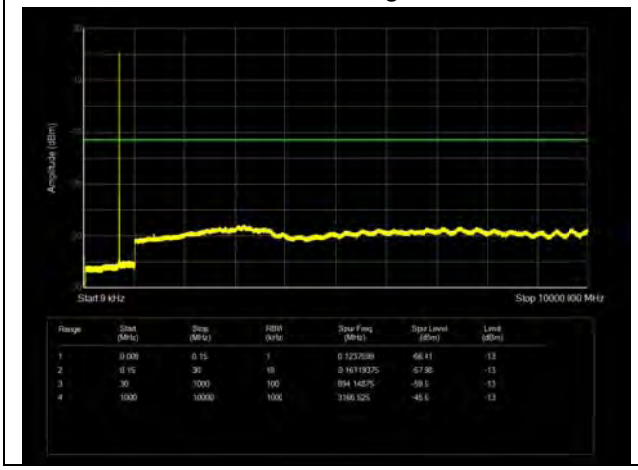
LTE Band 71 5MHz CH- Middle 9kHz~10GHz



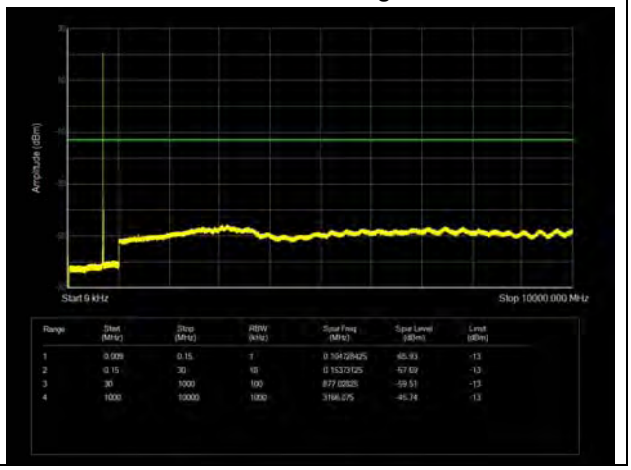
LTE Band 71 10MHz CH- Middle 9kHz~10GHz



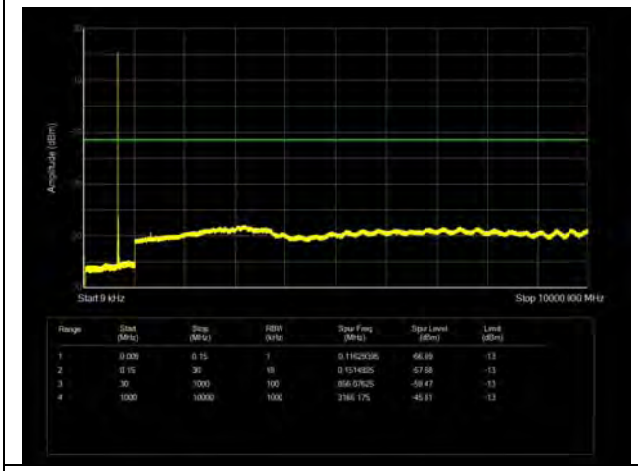
LTE Band 71 5MHz CH-High 9kHz~10GHz



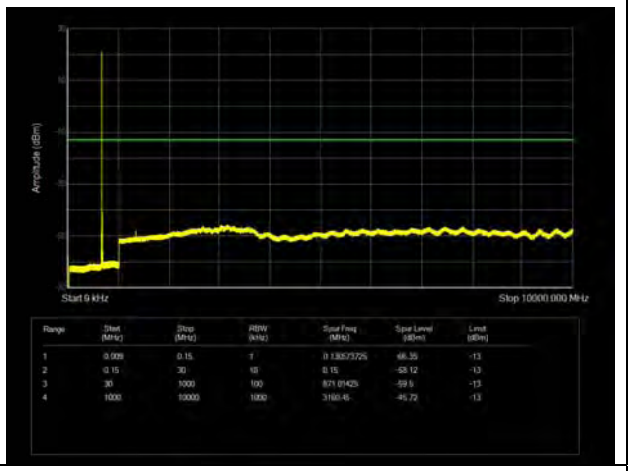
LTE Band 71 10MHz CH-High 9kHz~10GHz



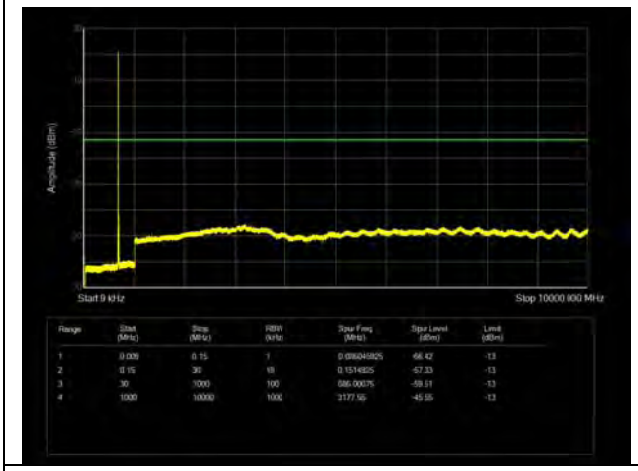
LTE Band 71 15MHz CH- Low 9kHz~10GHz



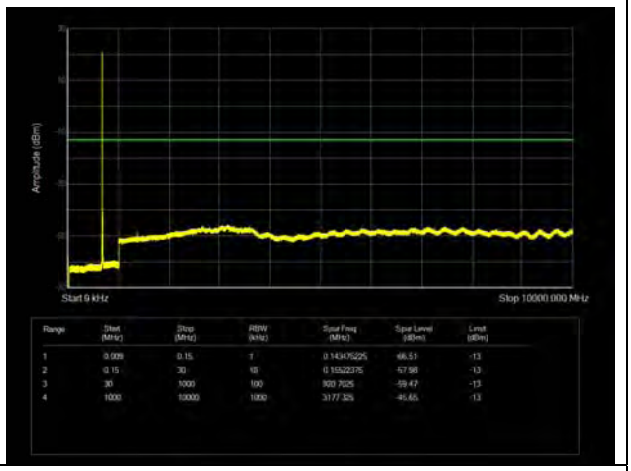
LTE Band 71 20MHz CH-Low 9kHz~10GHz



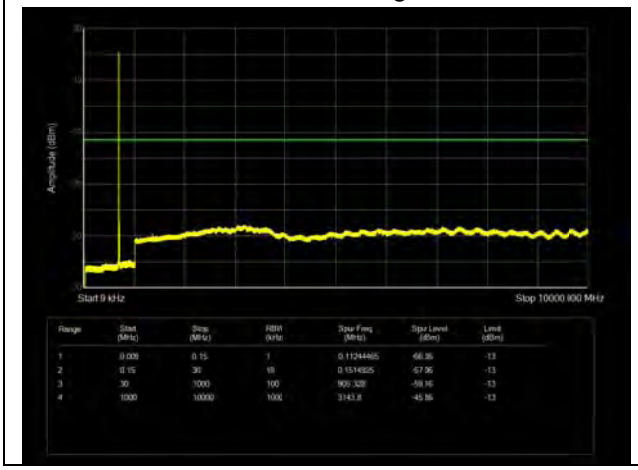
LTE Band 71 15MHz CH- Middle 9kHz~10GHz



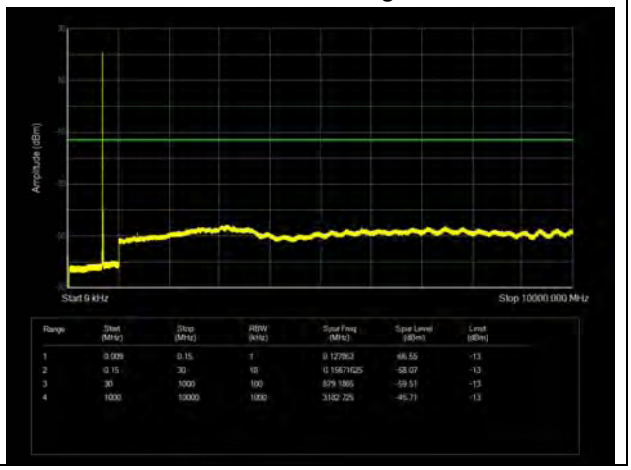
LTE Band 71 20MHz CH- Middle 9kHz~10GHz



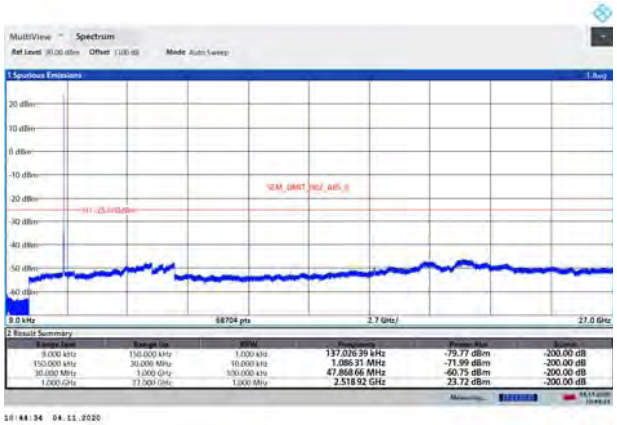
LTE Band 71 15MHz CH-High 9kHz~10GHz



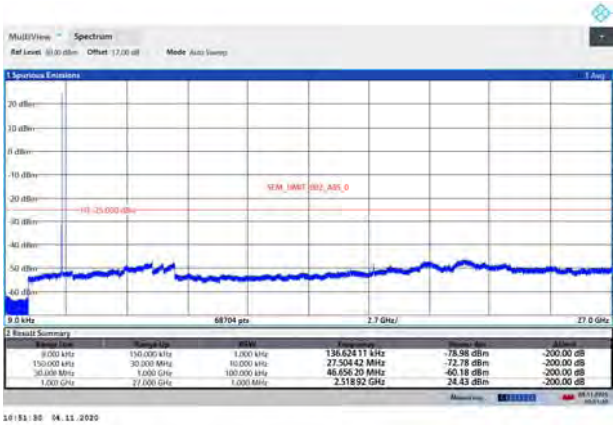
LTE Band 71 20MHz CH- High 9kHz~10GHz



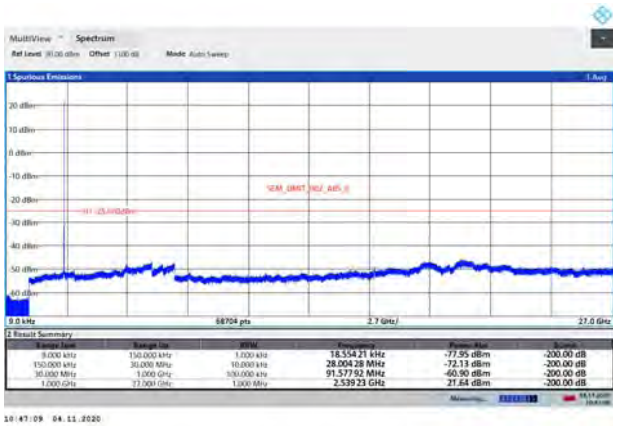
CA_7C QPSK 20MHz+10MHz CH- Low
9kHz~27GHz



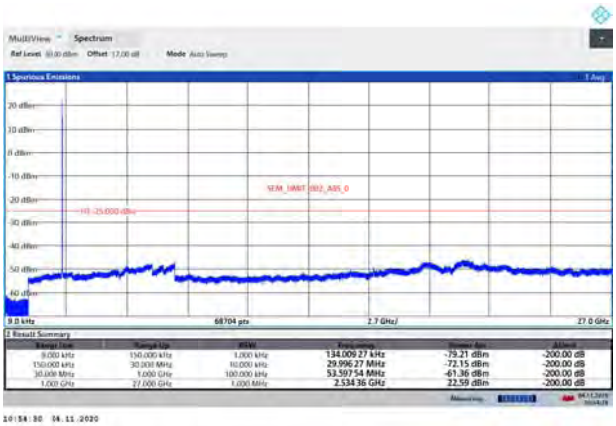
CA_7C QPSK 20MHz+20MHz CH- Low
9kHz~27GHz



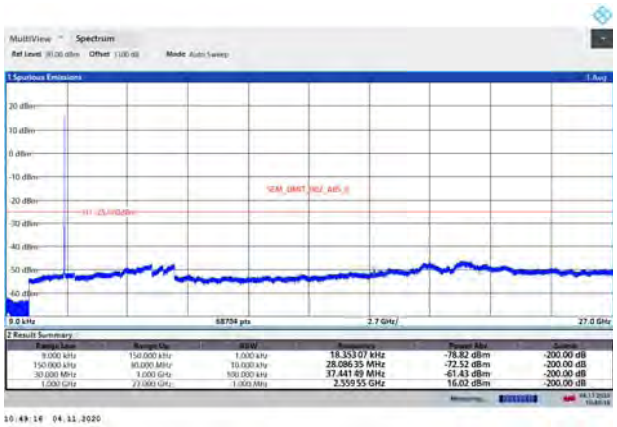
CA_7C QPSK 20MHz+10MHz CH- Middle
9kHz~27GHz



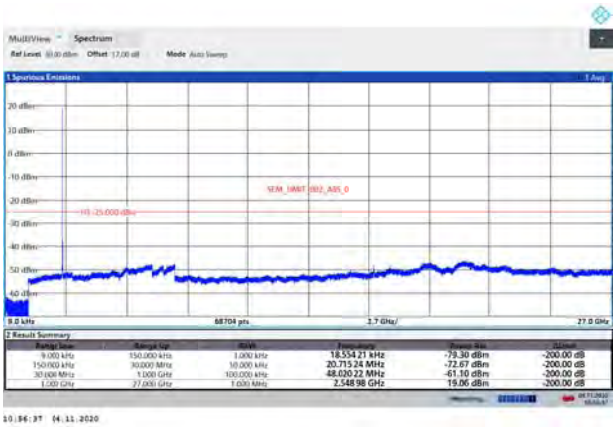
CA_7C QPSK 20MHz+20MHz CH- Middle
9kHz~27GHz



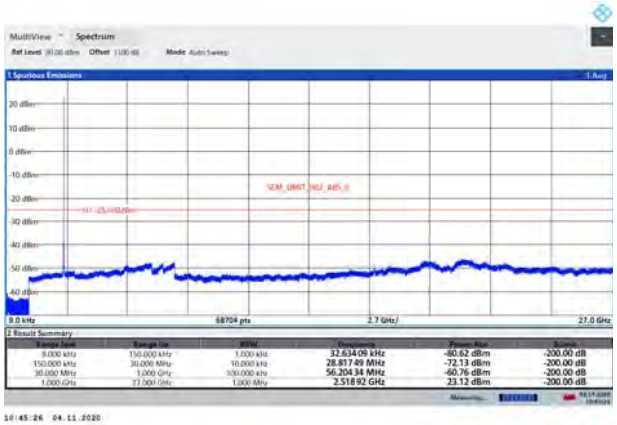
CA_7C QPSK 20MHz+10MHz CH-High
9kHz~27GHz



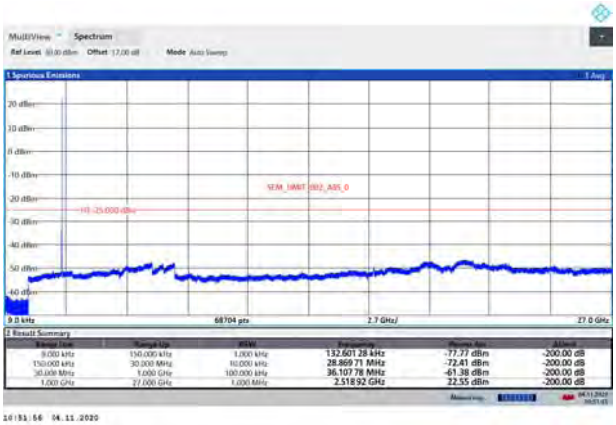
CA_7C QPSK 20MHz+20MHz CH-High
9kHz~27GHz



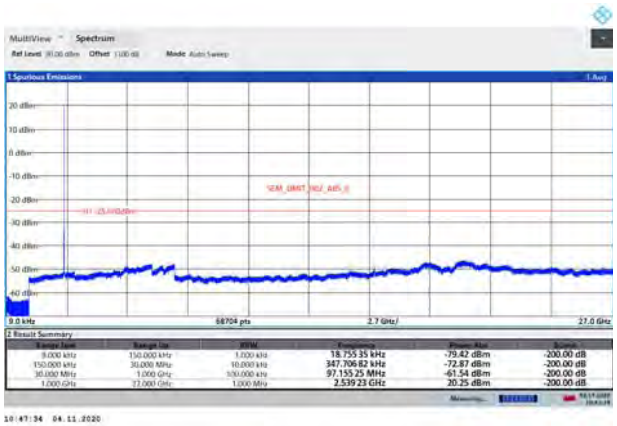
CA_7C 16QAM 20MHz+10MHz CH- Low
9kHz~27GHz



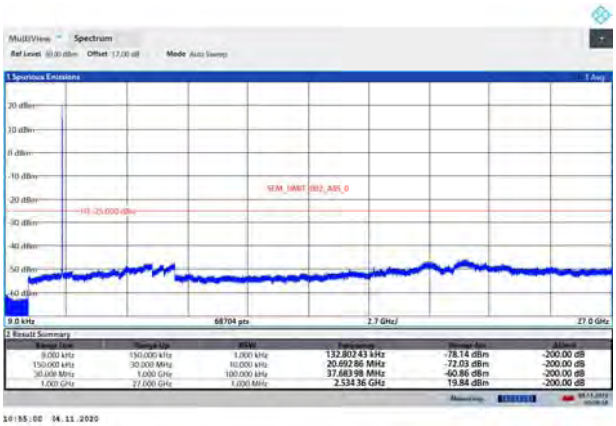
CA_7C 16QAM 20MHz+20MHz CH- Low
9kHz~27GHz



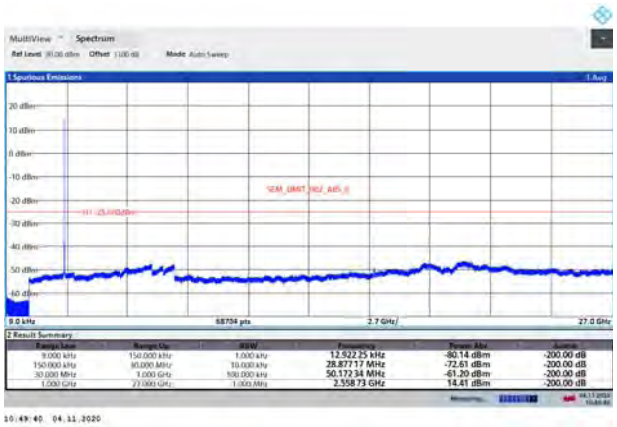
CA_7C 16QAM 20MHz+10MHz CH- Middle
9kHz~27GHz



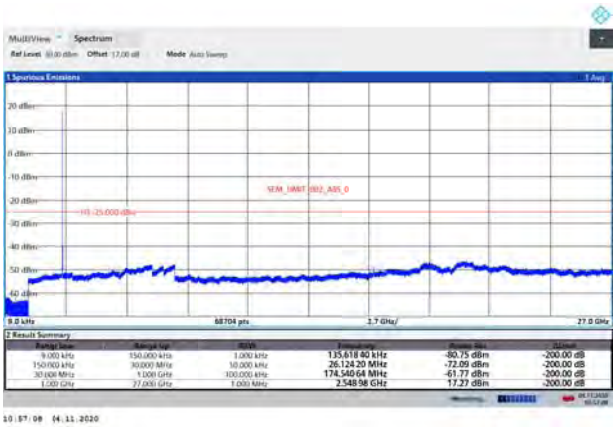
CA_7C 16QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



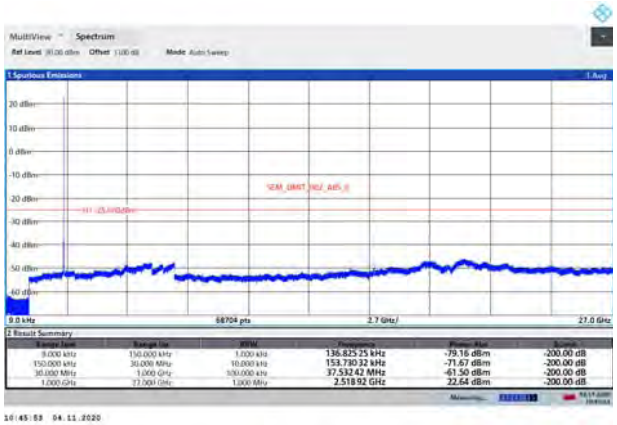
CA_7C 16QAM 20MHz+10MHz CH-High
9kHz~27GHz



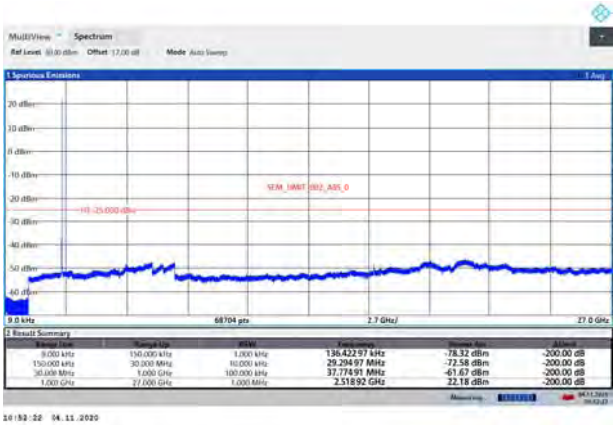
CA_7C 16QAM 20MHz+20MHz CH-High
9kHz~27GHz



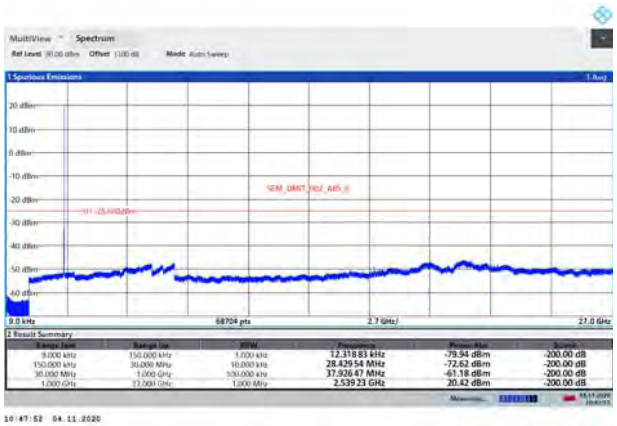
CA_7C 64QAM 20MHz+10MHz CH- Low
9kHz~27GHz



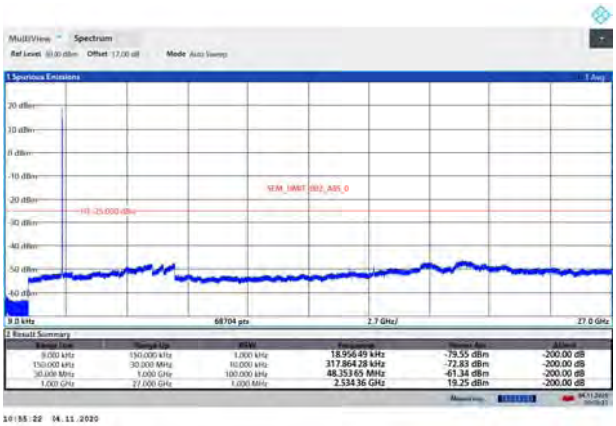
CA_7C 64QAM 20MHz+20MHz CH- Low
9kHz~27GHz



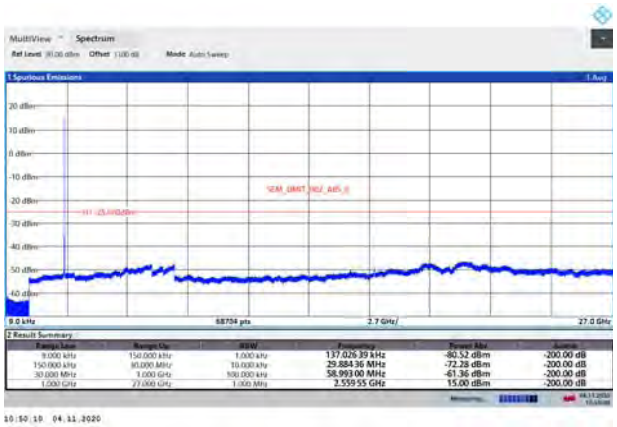
CA_7C 64QAM 20MHz+10MHz CH- Middle
9kHz~27GHz



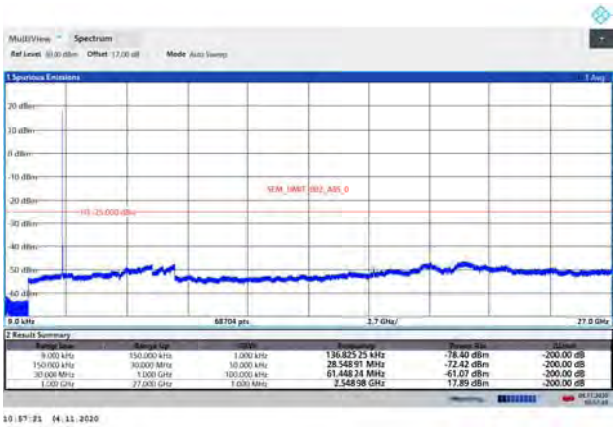
CA_7C 64QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



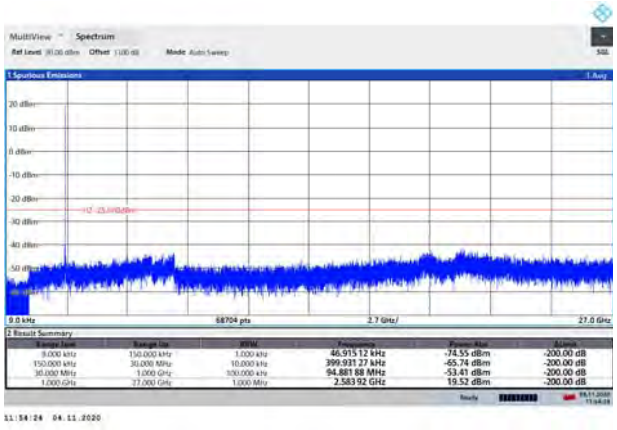
CA_7C 64QAM 20MHz+10MHz CH-High
9kHz~27GHz



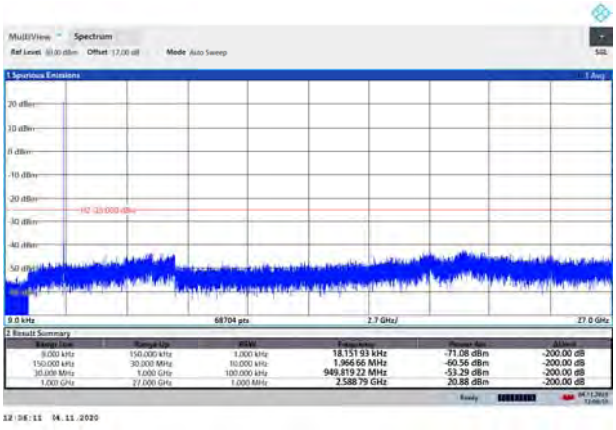
CA_7C 64QAM 20MHz+20MHz CH-High
9kHz~27GHz



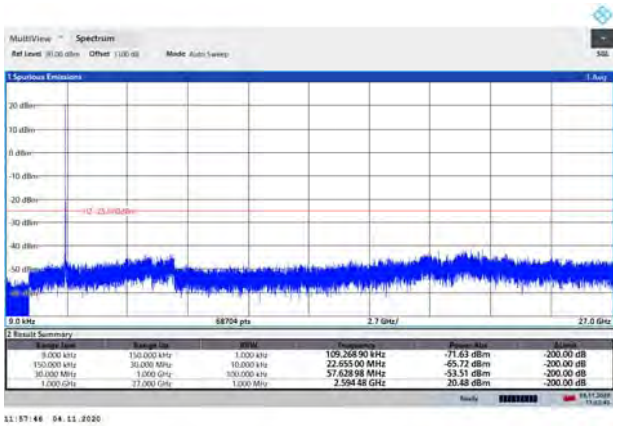
CA_38C QPSK 15MHz+15MHz CH- Low
9kHz~27GHz



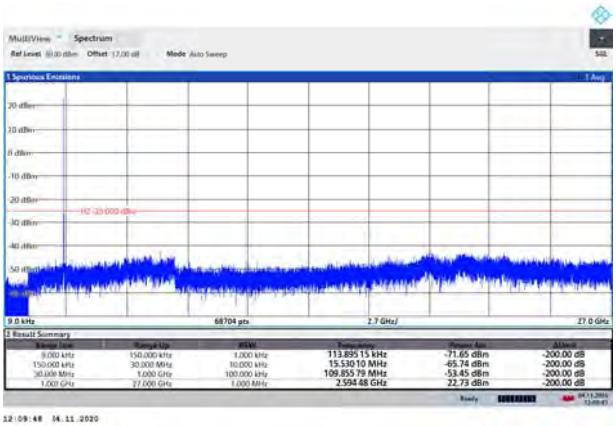
CA_38C QPSK 20MHz+20MHz CH- Low
9kHz~27GHz



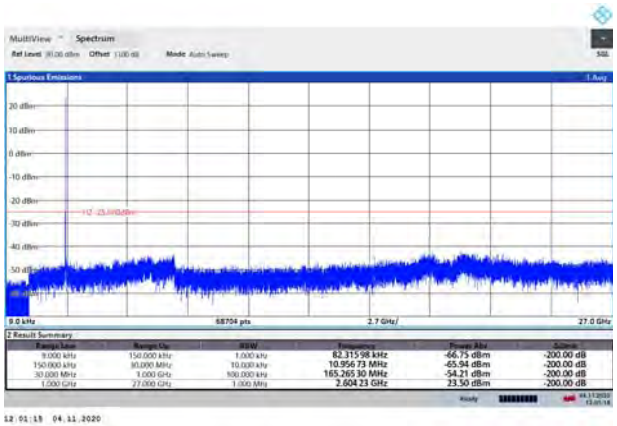
CA_38C QPSK 15MHz+15MHz CH- Middle
9kHz~27GHz



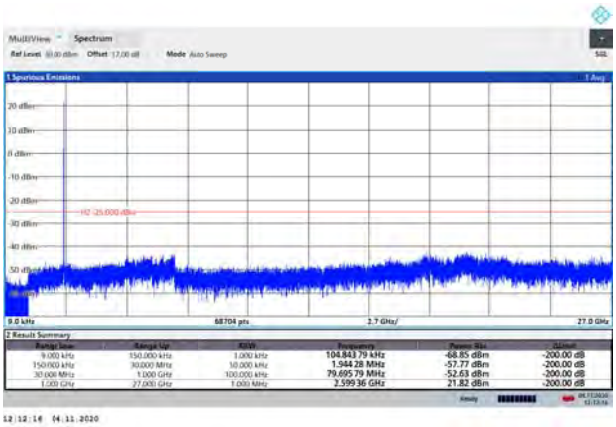
CA_38C QPSK 20MHz+20MHz CH- Middle
9kHz~27GHz



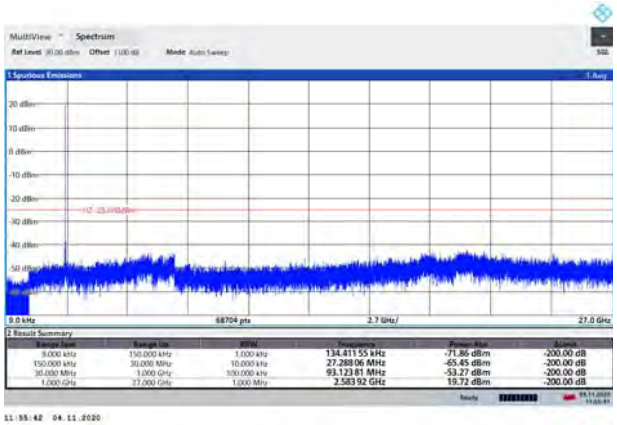
CA_38C QPSK 15MHz+15MHz CH-High
9kHz~27GHz



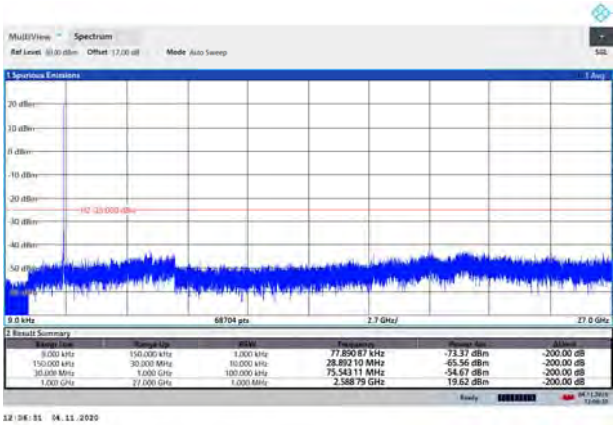
CA_38C QPSK 20MHz+20MHz CH-High
9kHz~27GHz



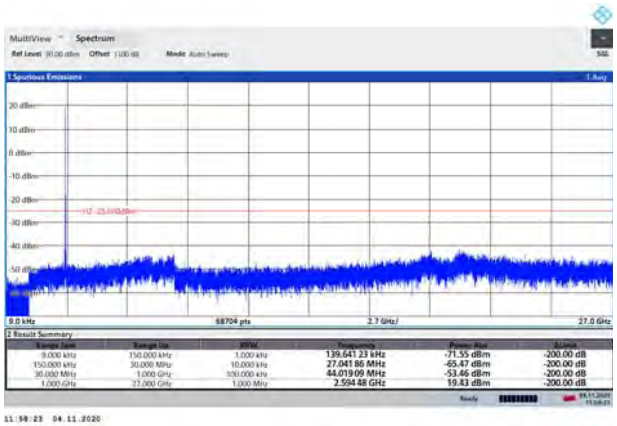
CA_38C 16QAM 15MHz+15MHz CH- Low
9kHz~27GHz



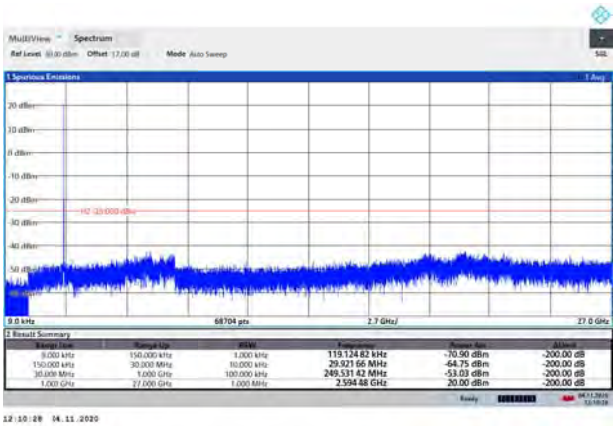
CA_38C 16QAM 20MHz+20MHz CH- Low
9kHz~27GHz



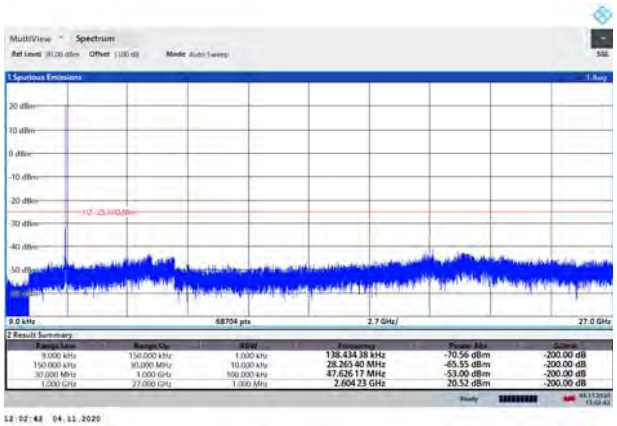
CA_38C 16QAM 15MHz+15MHz CH- Middle
9kHz~27GHz



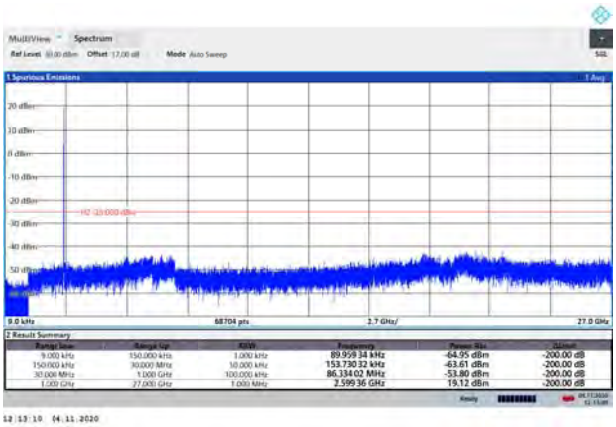
CA_38C 16QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



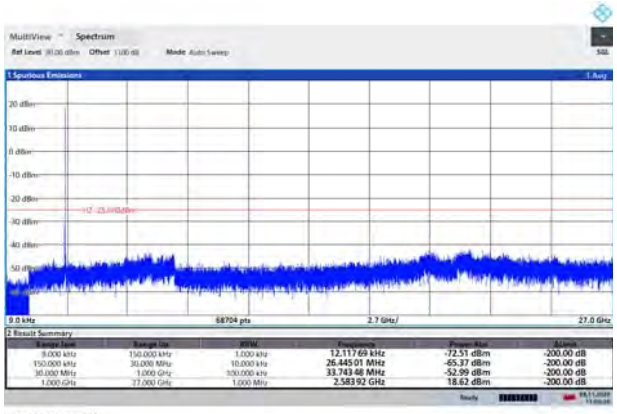
CA_38C 16QAM 15MHz+15MHz CH-High
9kHz~27GHz



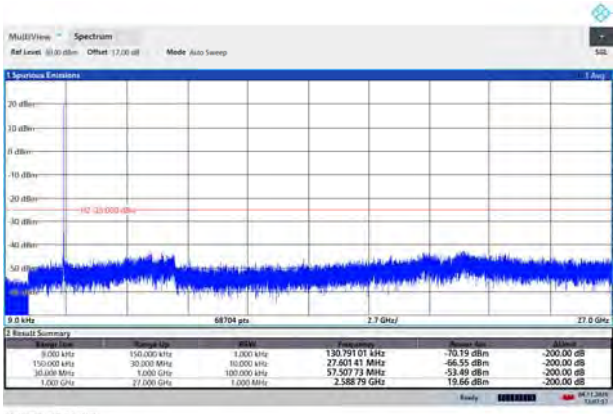
CA_38C 16QAM 20MHz+20MHz CH-High
9kHz~27GHz



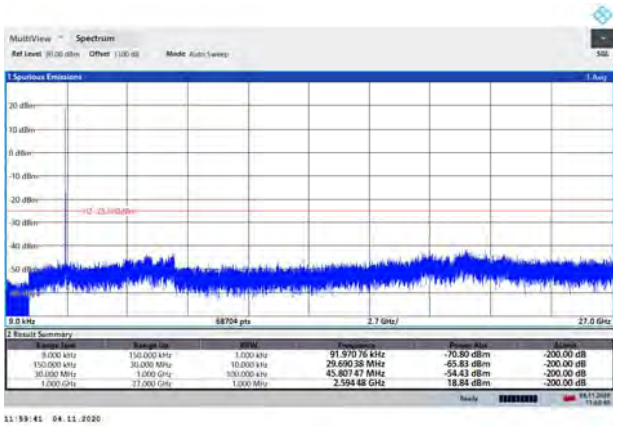
CA_38C 64QAM 15MHz+15MHz CH- Low
9kHz~27GHz



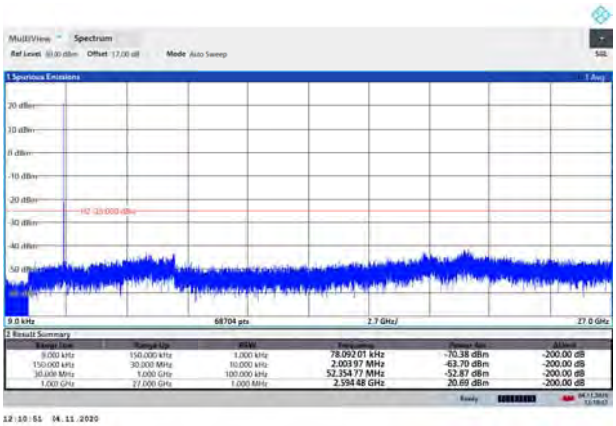
CA_38C 64QAM 20MHz+20MHz CH- Low
9kHz~27GHz



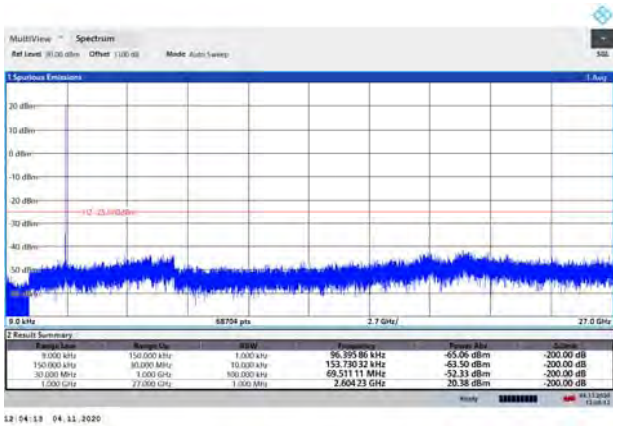
CA_38C 64QAM 15MHz+15MHz CH- Middle
9kHz~27GHz



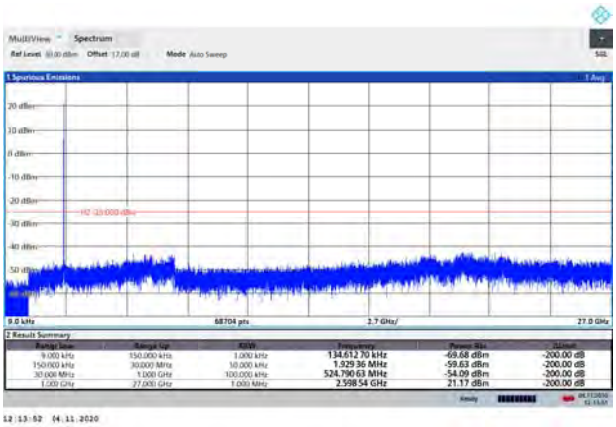
CA_38C 64QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



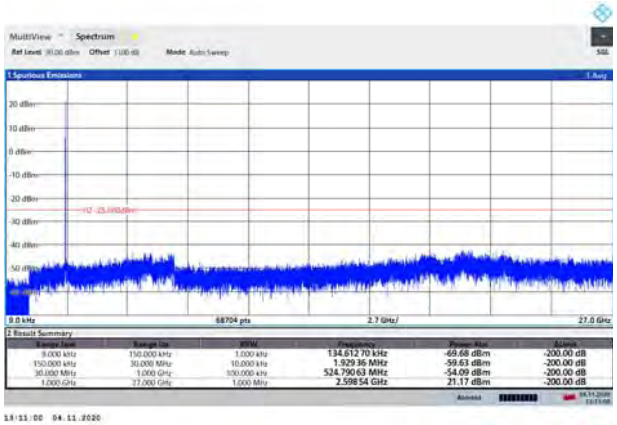
CA_38C 64QAM 15MHz+15MHz CH-High
9kHz~27GHz



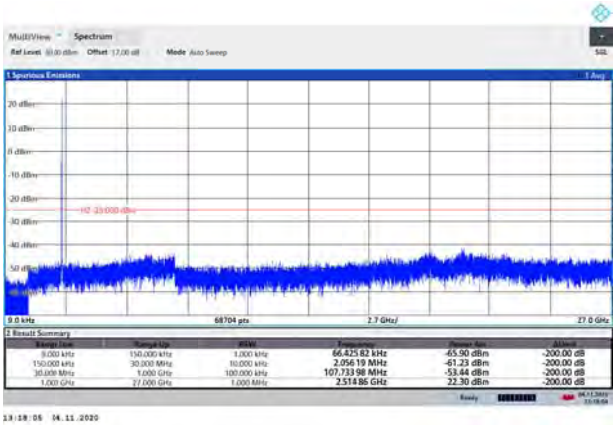
CA_38C 64QAM 20MHz+20MHz CH-High
9kHz~27GHz



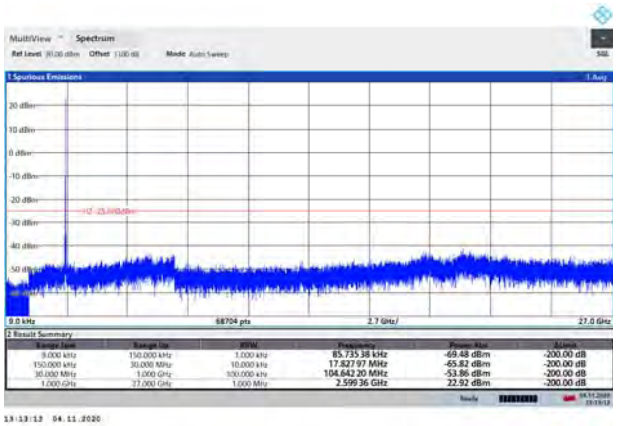
CA_41C QPSK 20MHz+5MHz CH- Low
9kHz~27GHz



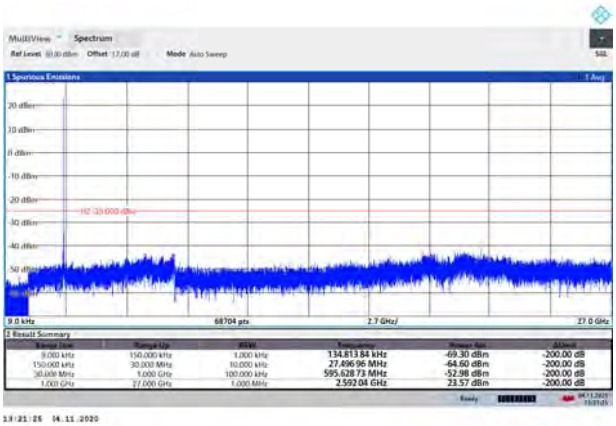
CA_41C QPSK 20MHz+20MHz CH- Low
9kHz~27GHz



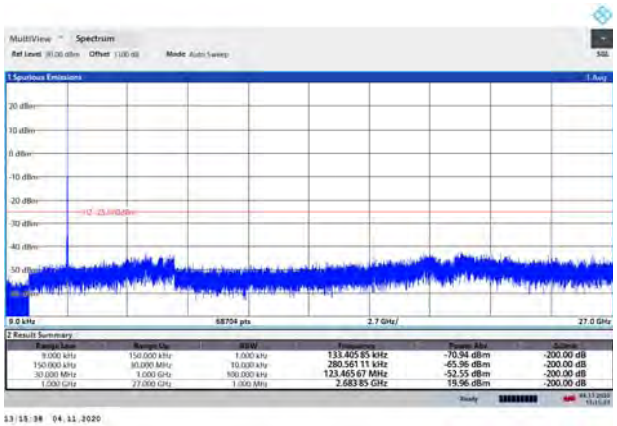
CA_41C QPSK 20MHz+5MHz CH- Middle
9kHz~27GHz



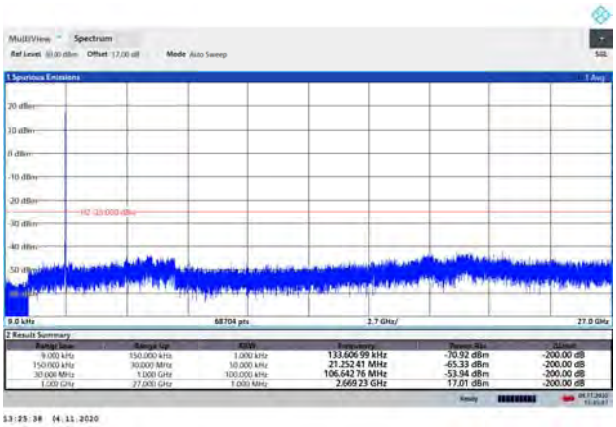
CA_41C QPSK 20MHz+20MHz CH- Middle
9kHz~27GHz



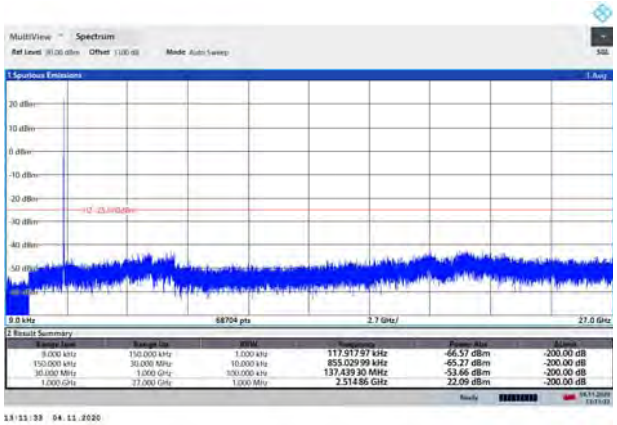
CA_41C QPSK 20MHz+5MHz CH-High
9kHz~27GHz



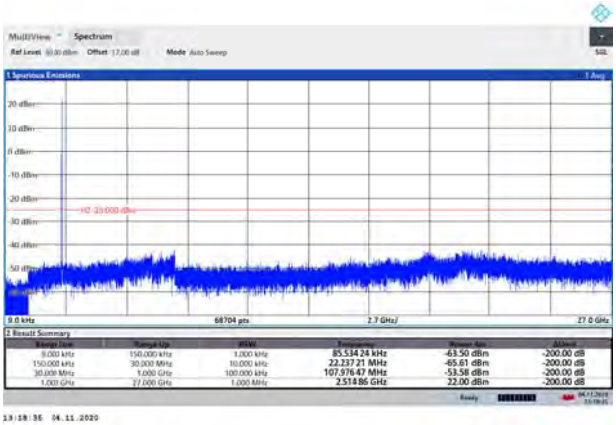
CA_41C QPSK 20MHz+20MHz CH-High
9kHz~27GHz



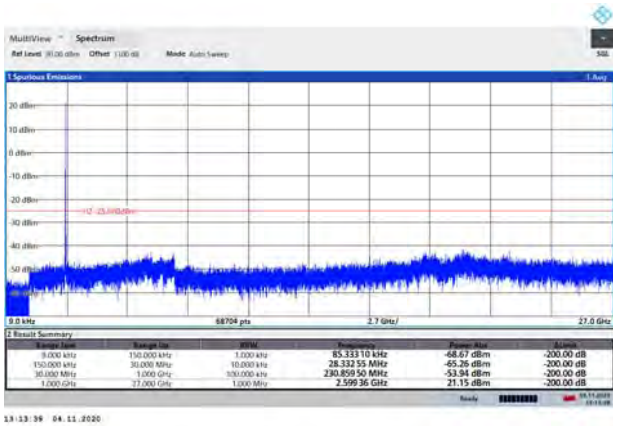
CA_41C 16QAM 20MHz+5MHz CH- Low
9kHz~27GHz



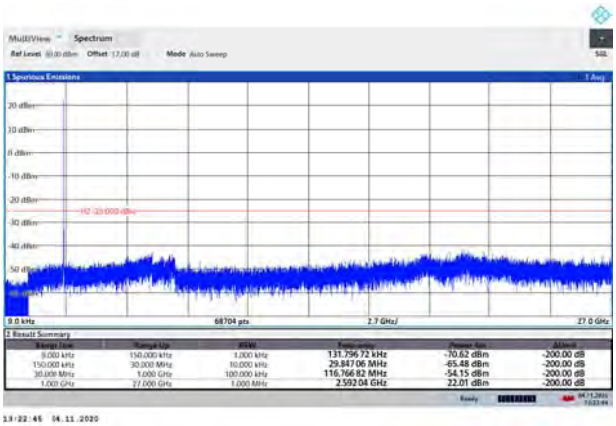
CA_41C 16QAM 20MHz+20MHz CH- Low
9kHz~27GHz



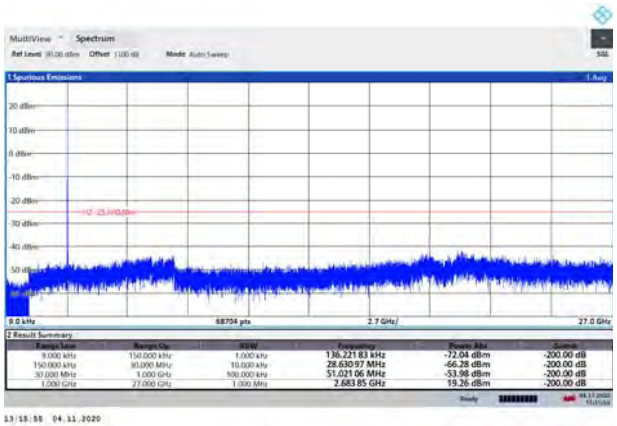
CA_41C 16QAM 20MHz+5MHz CH- Middle
9kHz~27GHz



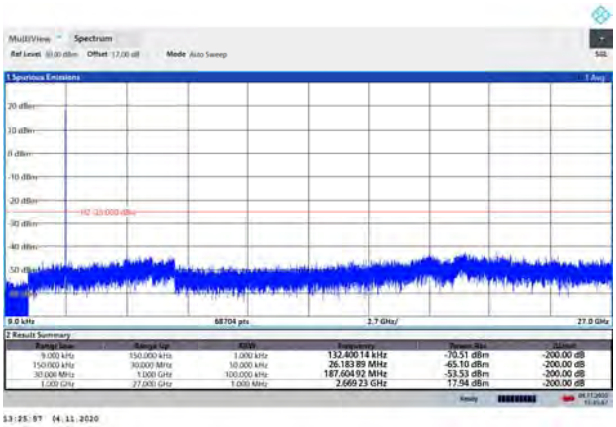
CA_41C 16QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



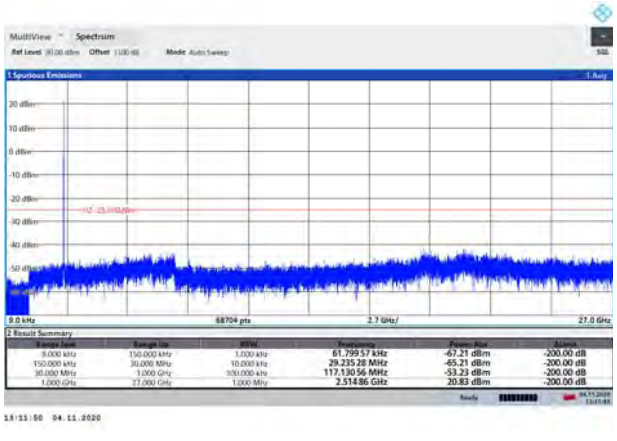
CA_41C 16QAM 20MHz+5MHz CH-High
9kHz~27GHz



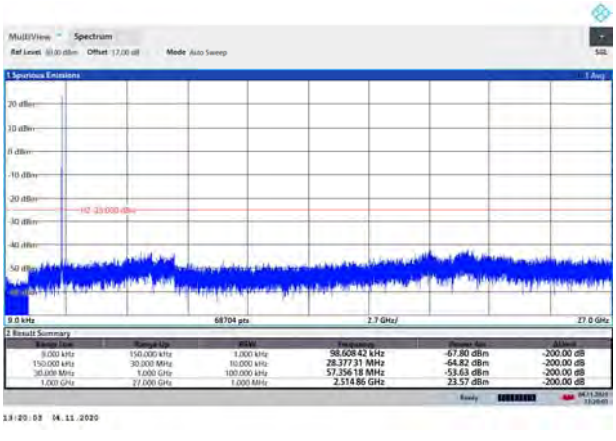
CA_41C 16QAM 20MHz+20MHz CH-High
9kHz~27GHz



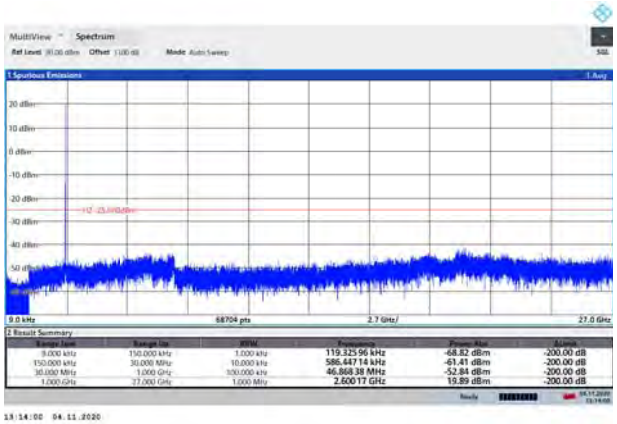
CA_41C 64QAM 20MHz+5MHz CH- Low
9kHz~27GHz



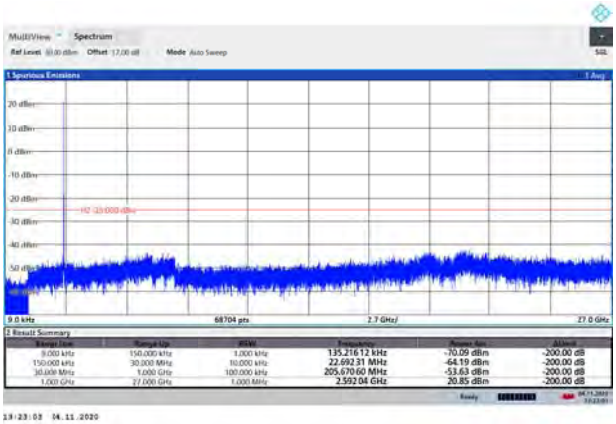
CA_41C 64QAM 20MHz+20MHz CH- Low
9kHz~27GHz



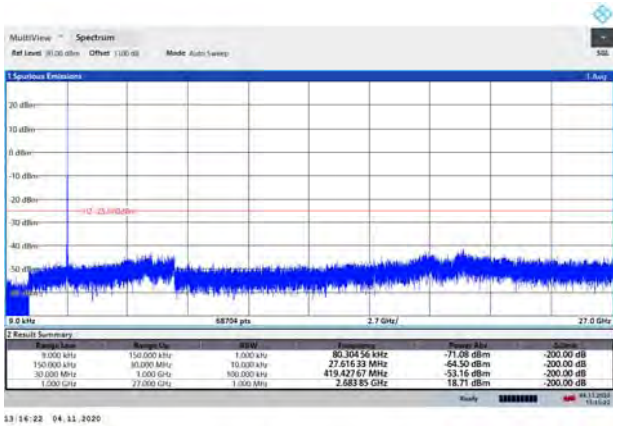
CA_41C 64QAM 20MHz+5MHz CH- Middle



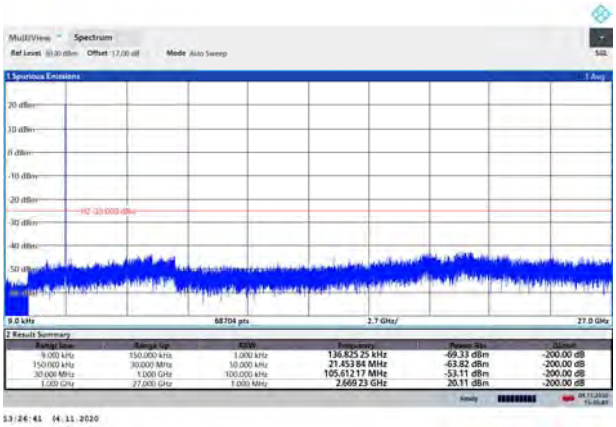
CA_41C 64QAM 20MHz+20MHz CH- Middle



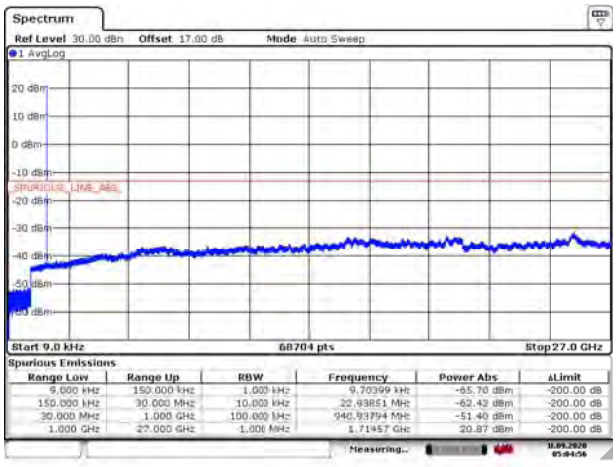
CA_41C 64QAM 20MHz+5MHz CH-High
9kHz~27GHz



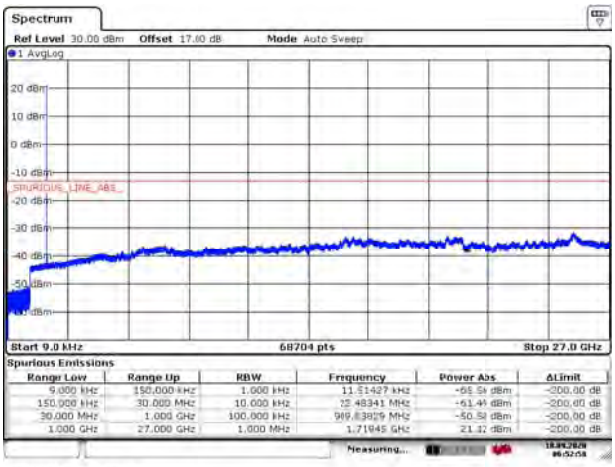
CA_41C 64QAM 20MHz+20MHz CH-High
9kHz~27GHz



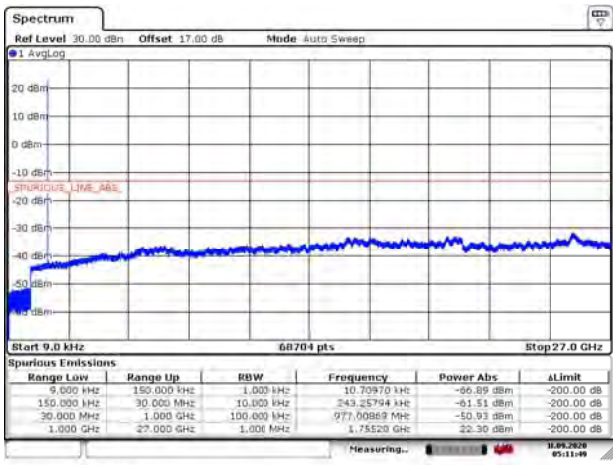
CA_66B QPSK 5MHz+5MHz CH- Low
9kHz~27GHz



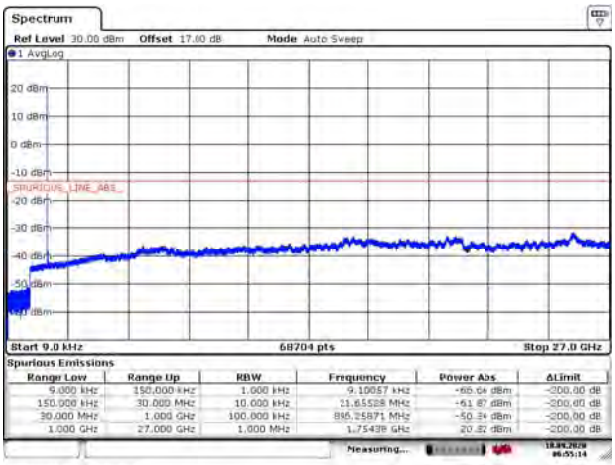
CA_66B QPSK 10MHz+10MHz CH- Low
9kHz~27GHz



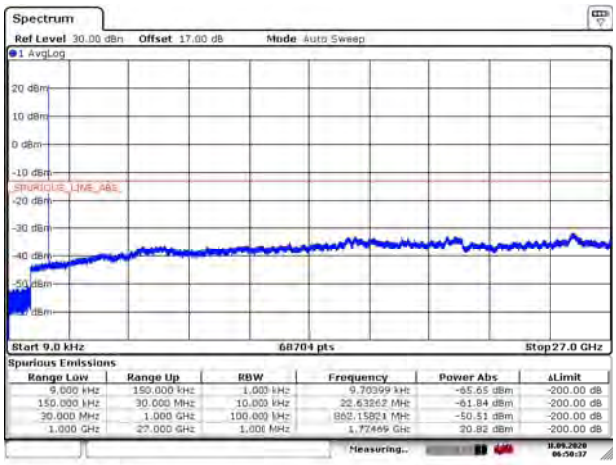
CA_66B QPSK 5MHz+5MHz CH- Middle
9kHz~27GHz



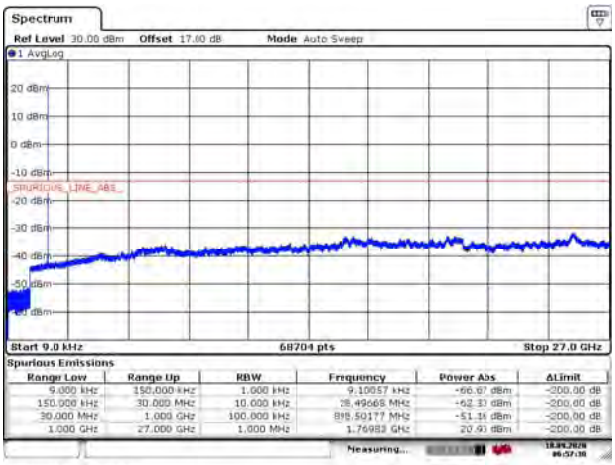
CA_66B QPSK 10MHz+10MHz CH- Middle
9kHz~27GHz



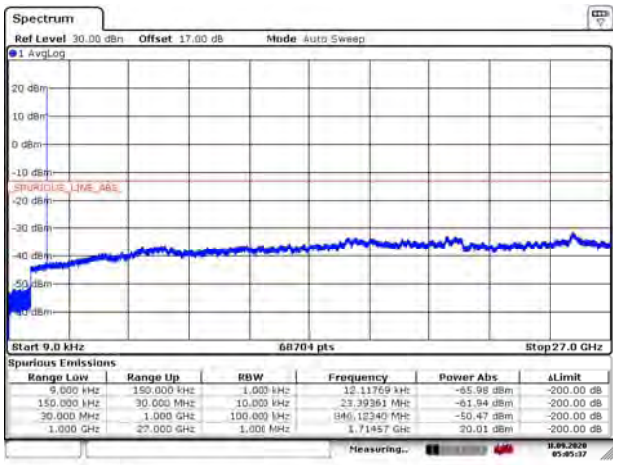
CA_66B QPSK 5MHz+5MHz CH-High
9kHz~27GHz



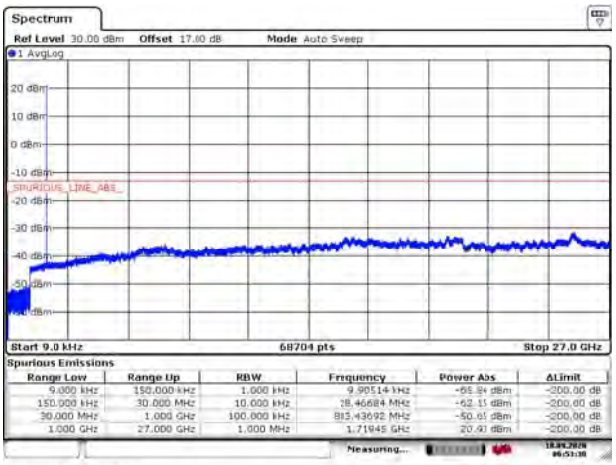
CA_66B QPSK 10MHz+10MHz CH-High
9kHz~27GHz



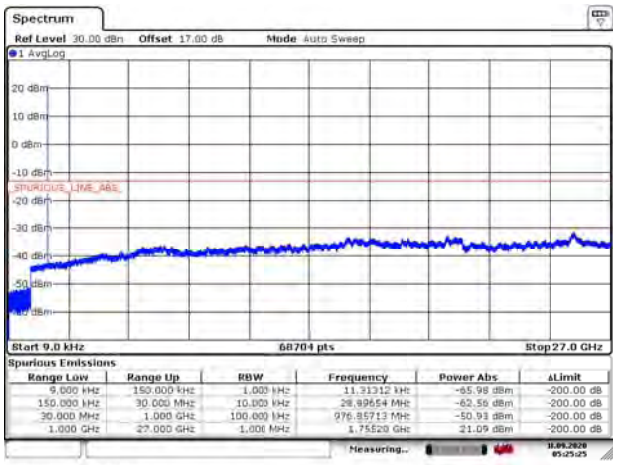
CA_66B 16QAM 5MHz+5MHz CH- Low
9kHz~27GHz



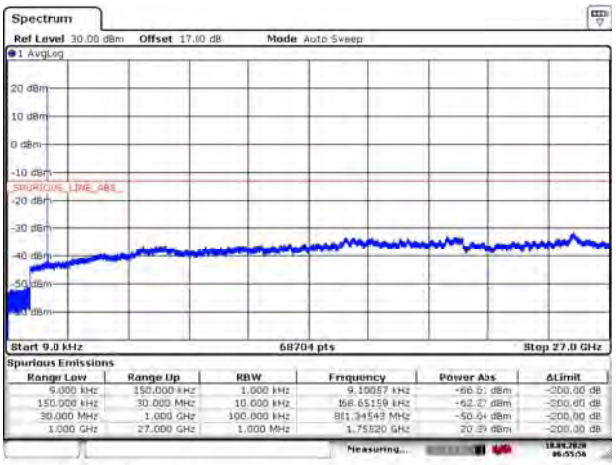
CA_66B 16QAM 10MHz+10MHz CH- Low
9kHz~27GHz



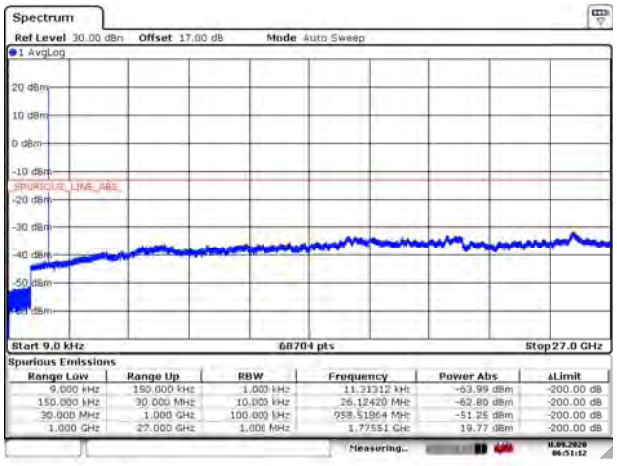
CA_66B 16QAM 5MHz+5MHz CH- Middle
9kHz~27GHz



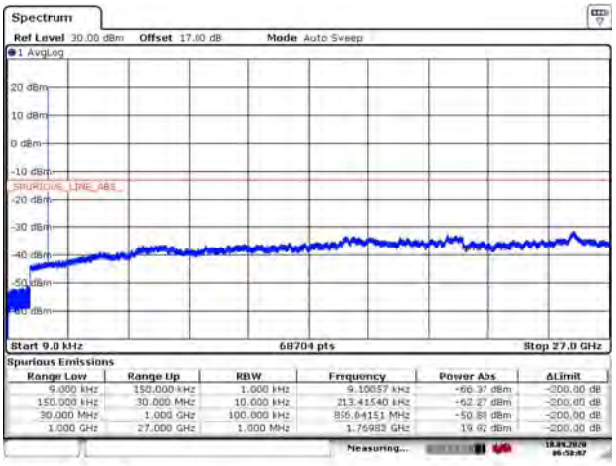
CA_66B 16QAM 10MHz+10MHz CH- Middle
9kHz~27GHz



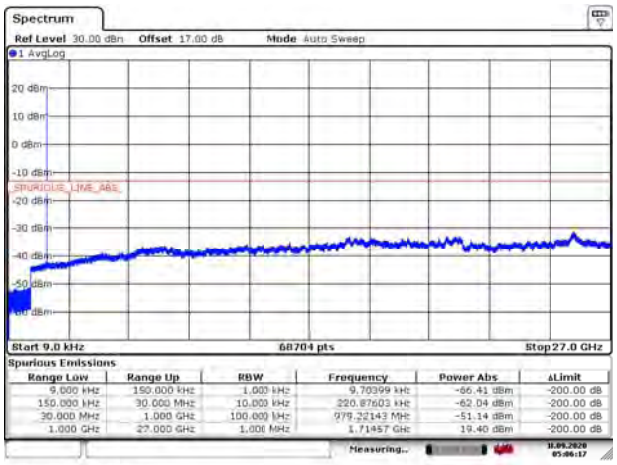
CA_66B 16QAM 5MHz+5MHz CH-High
9kHz~27GHz



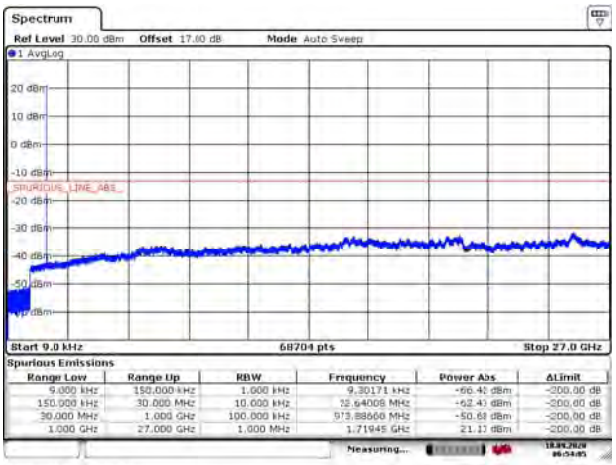
CA_66B 16QAM 10MHz+10MHz CH-High
9kHz~27GHz



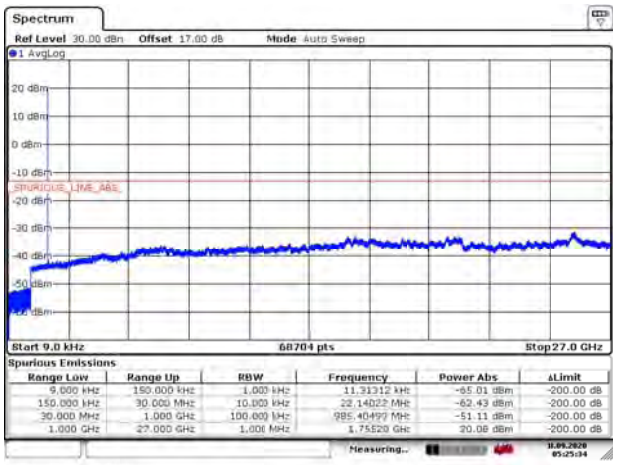
CA_66B 64QAM 5MHz+5MHz CH- Low
9kHz~27GHz



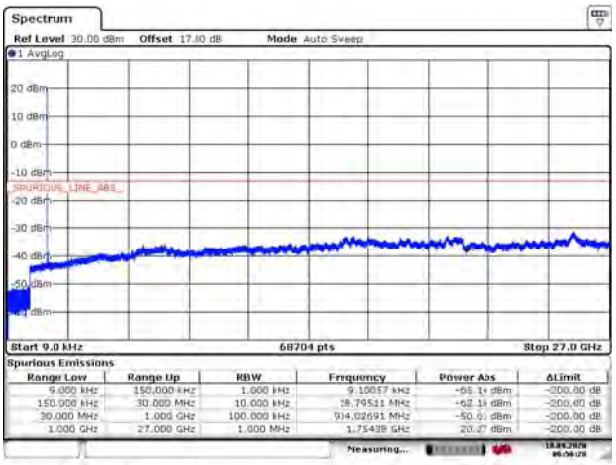
CA_66B 64QAM 10MHz+10MHz CH- Low
9kHz~27GHz



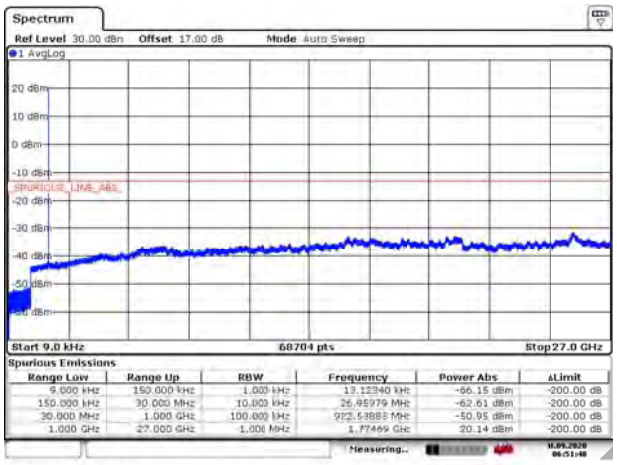
CA_66B 64QAM 5MHz+5MHz CH- Middle
9kHz~27GHz



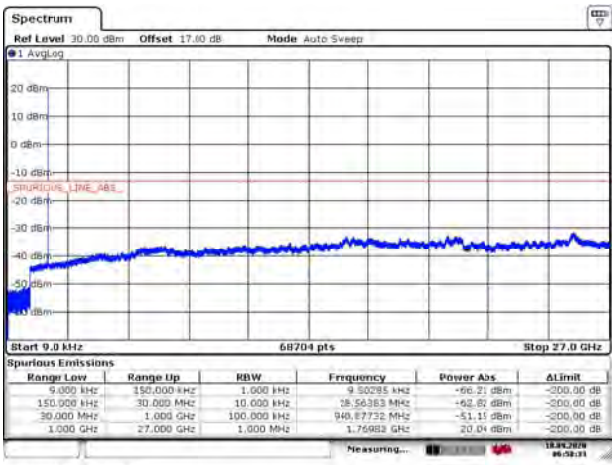
CA_66B 64QAM 10MHz+10MHz CH- Middle
9kHz~27GHz



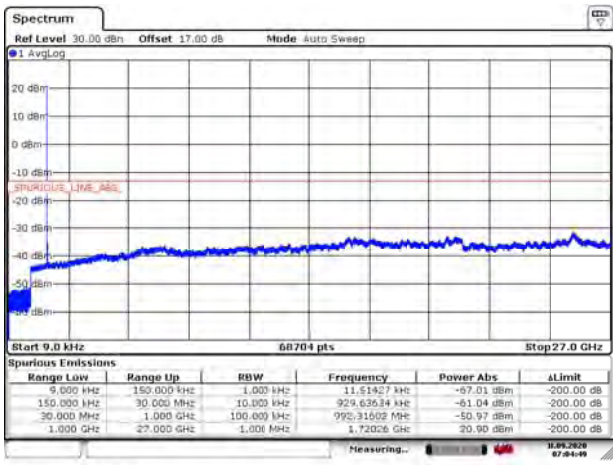
CA_66B 64QAM 25MHz+5MHz CH-High
9kHz~27GHz



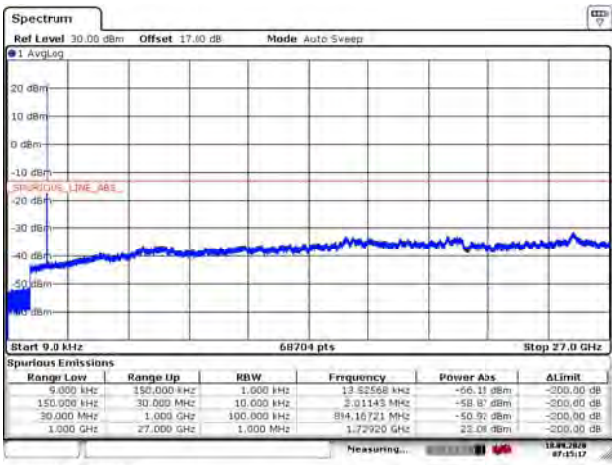
CA_66B 64QAM 10MHz+10MHz CH-High
9kHz~27GHz



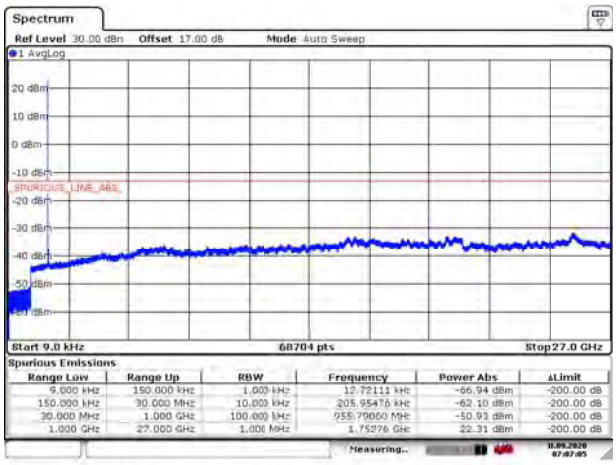
CA_66C QPSK 10MHz+15MHz CH- Low
9kHz~27GHz



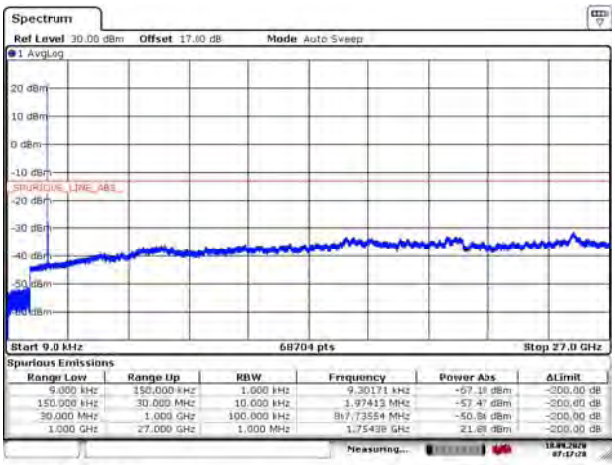
CA_66C QPSK 20MHz+20MHz CH- Low
9kHz~27GHz



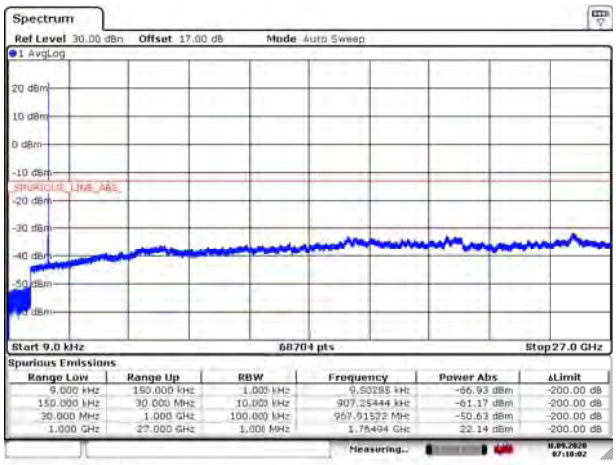
CA_66C QPSK 10MHz+15MHz CH- Middle
9kHz~27GHz



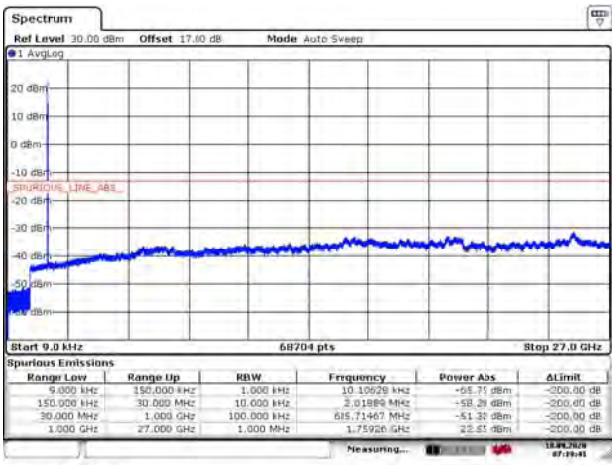
CA_66C QPSK 20MHz+20MHz CH- Middle
9kHz~27GHz



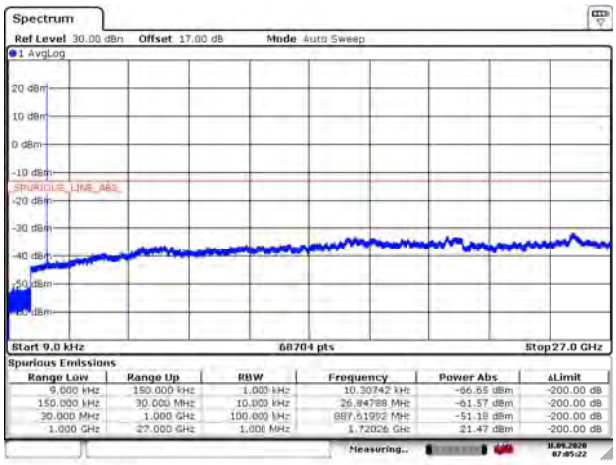
CA_66C QPSK 10MHz+15MHz CH-High
9kHz~27GHz



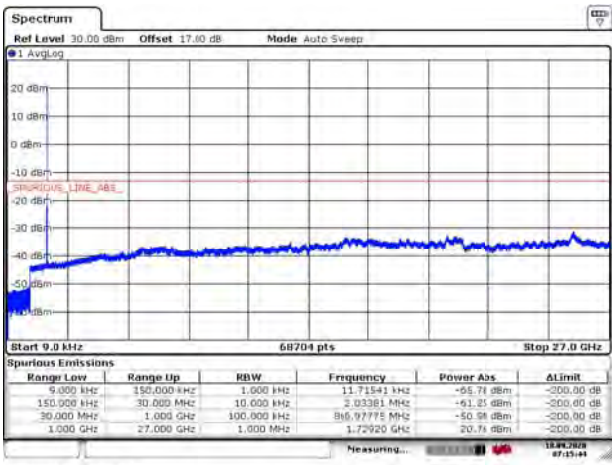
CA_66C QPSK 20MHz+20MHz CH-High
9kHz~27GHz



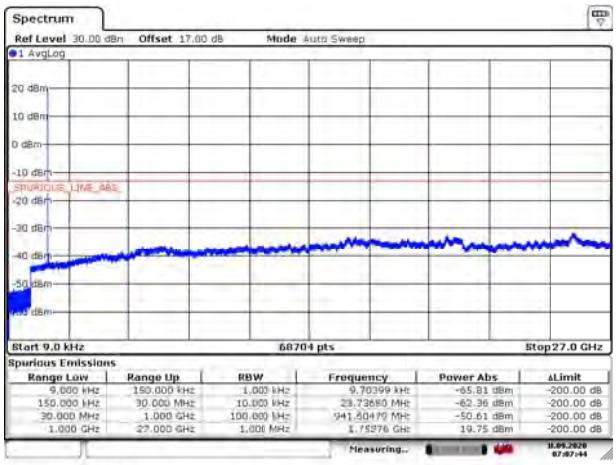
CA_66C 16QAM 10MHz+15MHz CH- Low
9kHz~27GHz



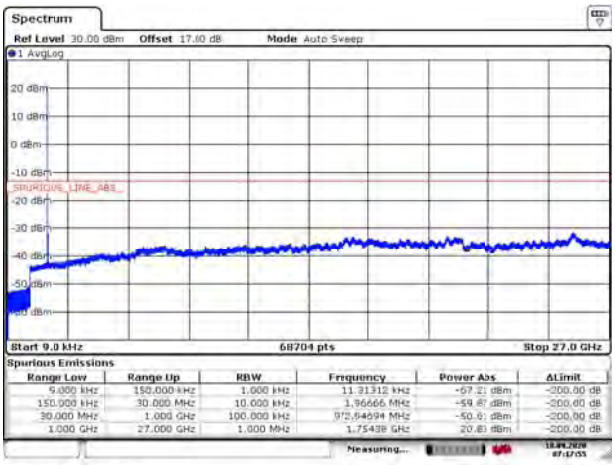
CA_66C 16QAM 20MHz+20MHz CH- Low
9kHz~27GHz



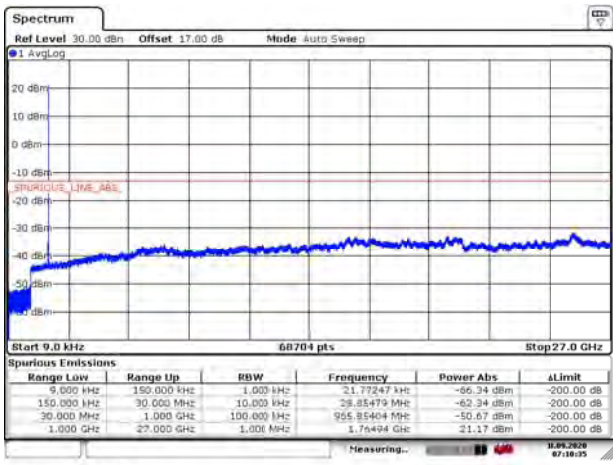
CA_66C 16QAM 10MHz+15MHz CH- Middle
9kHz~27GHz



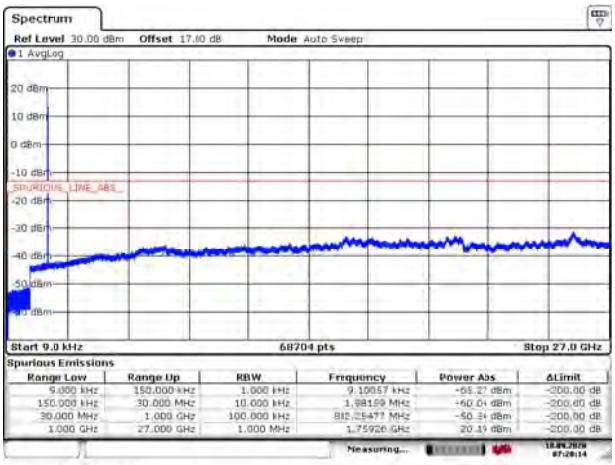
CA_66C 16QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



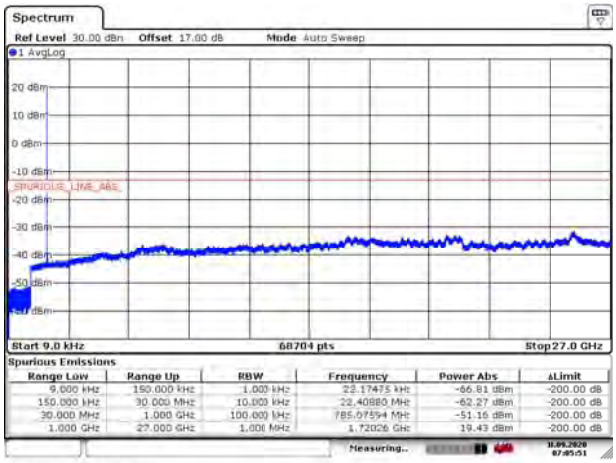
CA_66C 16QAM 10MHz+15MHz CH-High
9kHz~27GHz



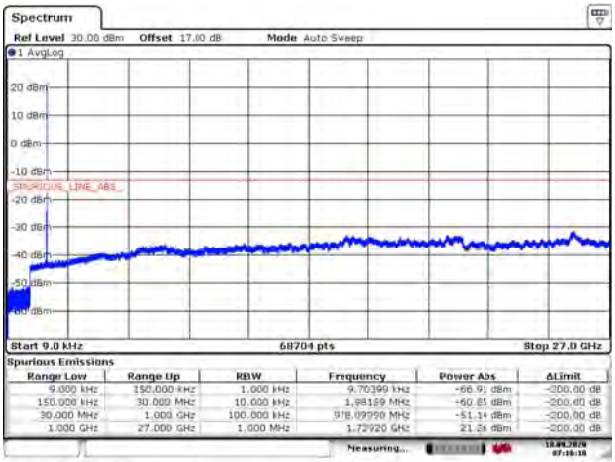
CA_66C 16QAM 20MHz+20MHz CH-High
9kHz~27GHz



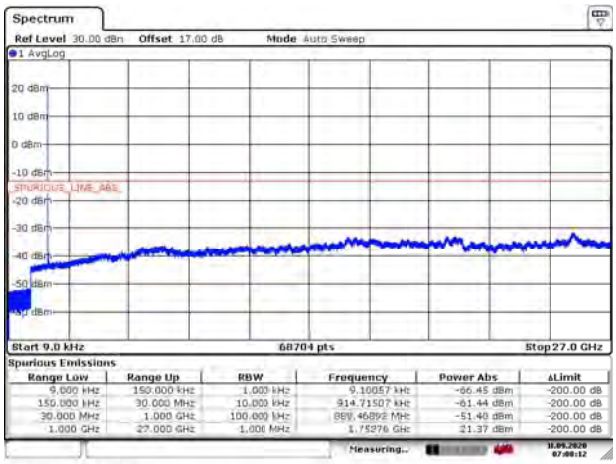
CA_66C 64QAM 10MHz+15MHz CH- Low
9kHz~27GHz



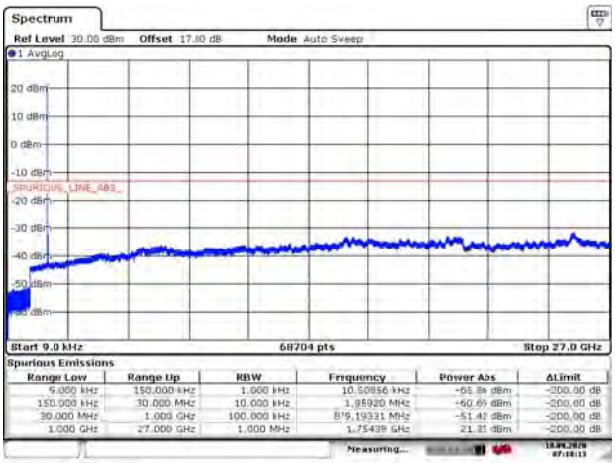
CA_66C 64QAM 20MHz+20MHz CH- Low
9kHz~27GHz



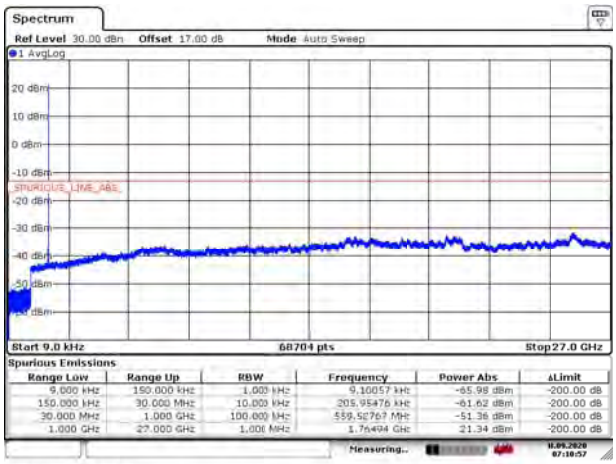
CA_66C 64QAM10MHz+15MHz CH- Middle
9kHz~27GHz



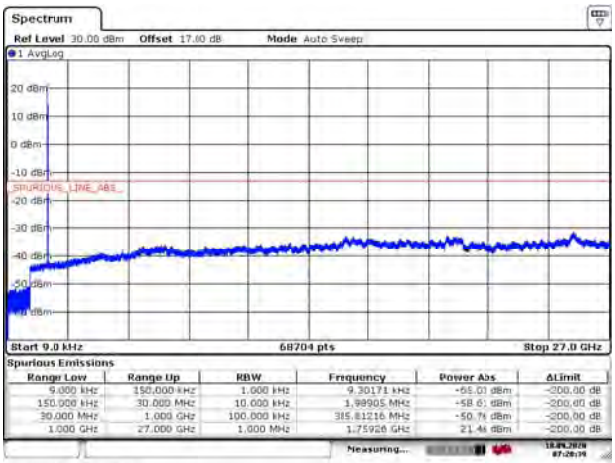
CA_66C 64QAM 20MHz+20MHz CH- Middle
9kHz~27GHz



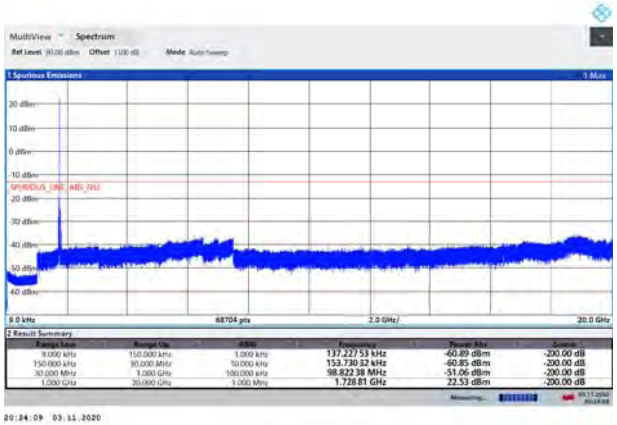
CA_66C 64QAM 10MHz+15MHz CH-High
9kHz~27GHz



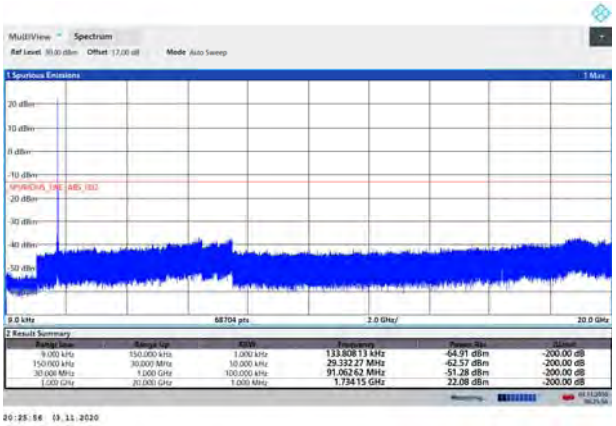
CA_66C 64QAM 20MHz+20MHz CH-High
9kHz~27GHz



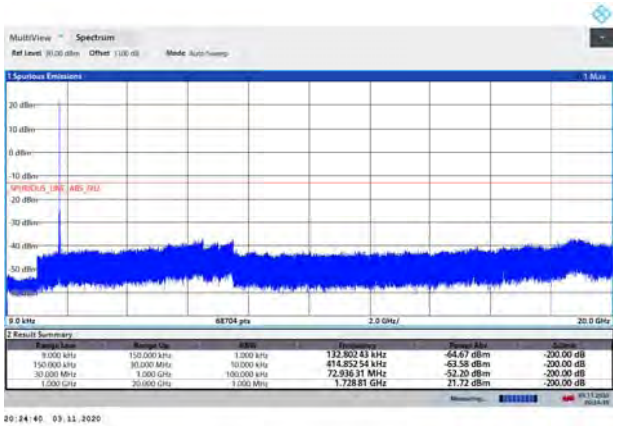
CA-4C-12A QPSK 20MHz+20MHz+20MHz
9kHz~20GHz CH20050



CA-4C-12A QPSK 20MHz+20MHz+20MHz
9kHz~20GHz CH20102

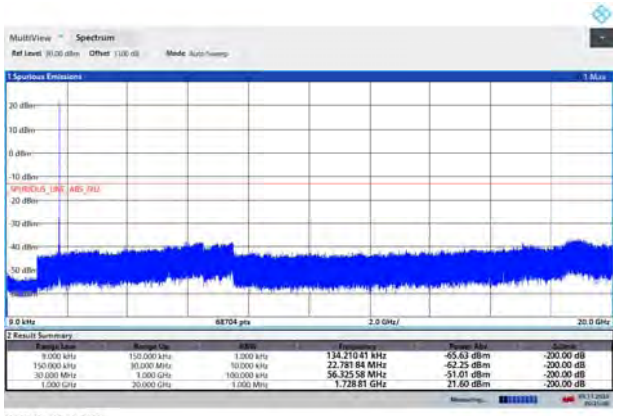


CA-4C-12A 16QAM 20MHz+20MHz+20MHz
9kHz~20GHz CH20050

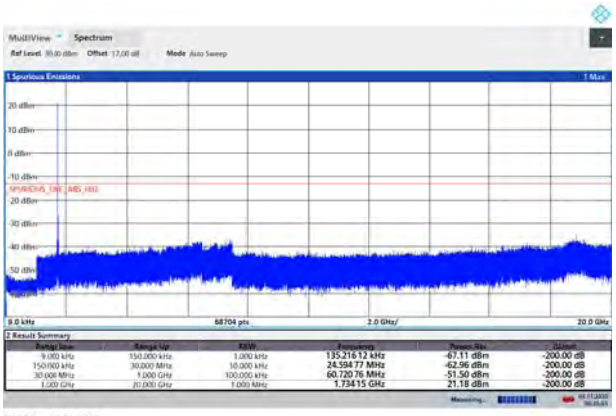


CA-4C-12A 16QAM 20MHz+20MHz+20MHz
9kHz~20GHz CH20102

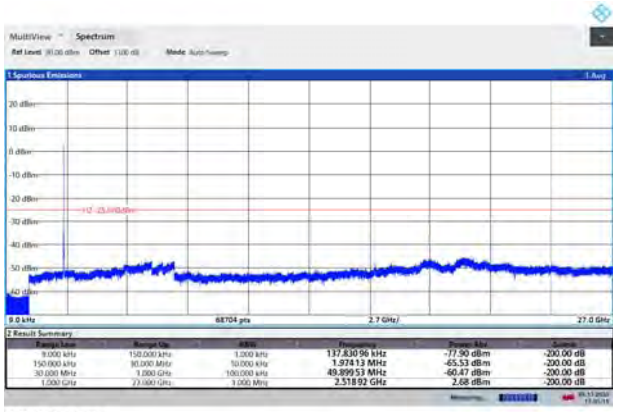
CA-4C-12A 64QAM 20MHz+20MHz+20MHz
9kHz~20GHz CH20050



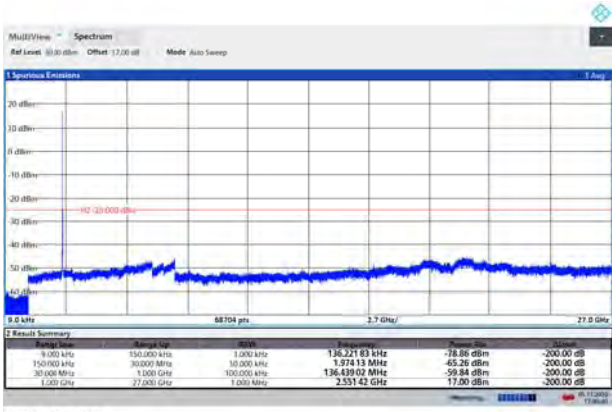
CA-4C-12A 64QAM 20MHz+20MHz+20MHz
9kHz~20GHz CH20102



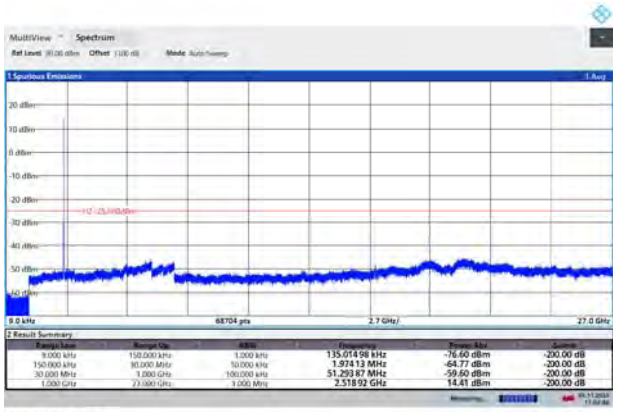
CA-7C-4A QPSK 20MHz+20MHz+20MHz
9kHz~27GHz CH20850



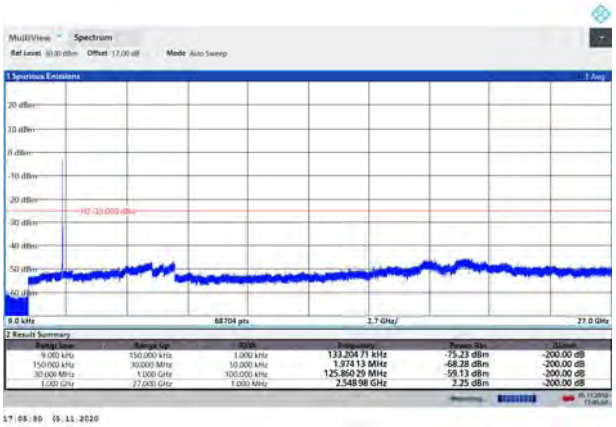
CA-7C-4A QPSK 20MHz+20MHz+20MHz
9kHz~27GHz CH21152



CA-7C-4A 16QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH20850

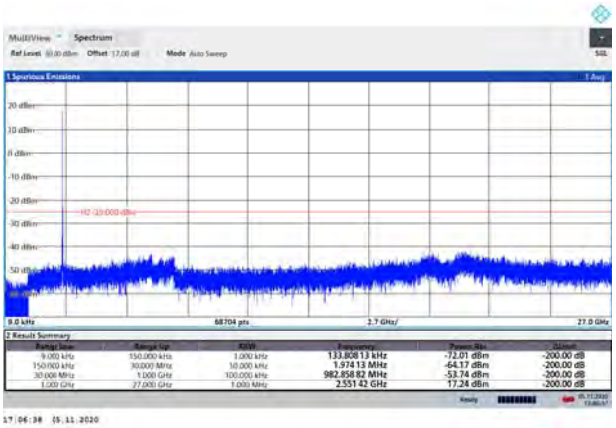


CA-7C-4A 16QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH21152

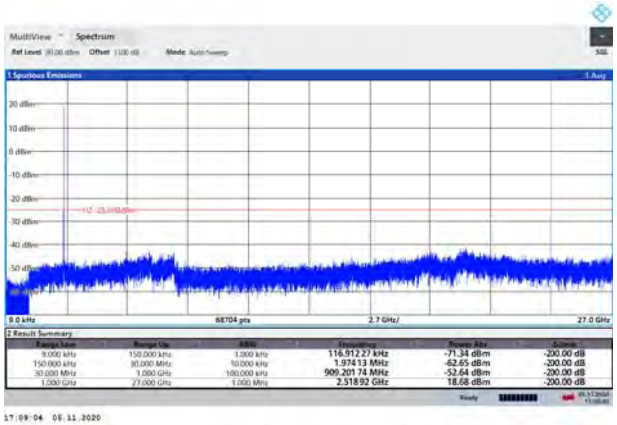


CA-7C-4A 64QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH20850

CA-7C-4A 64QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH21152



CA-7C-5A QPSK 20MHz+20MHz+20MHz
9kHz~27GHz CH20850



CA-7C-5A QPSK 20MHz+20MHz+20MHz
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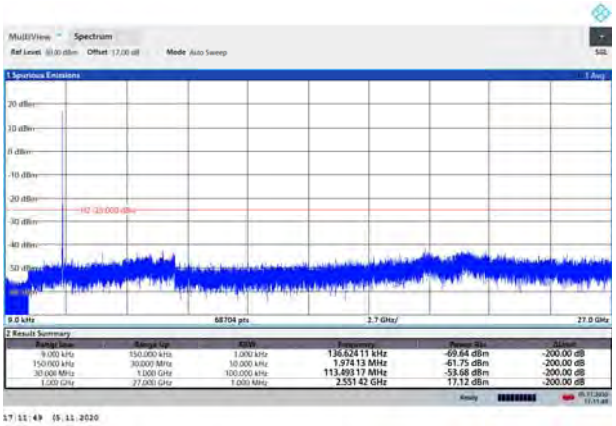
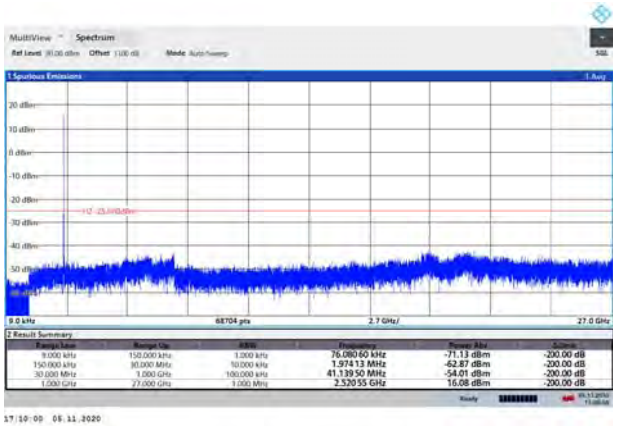
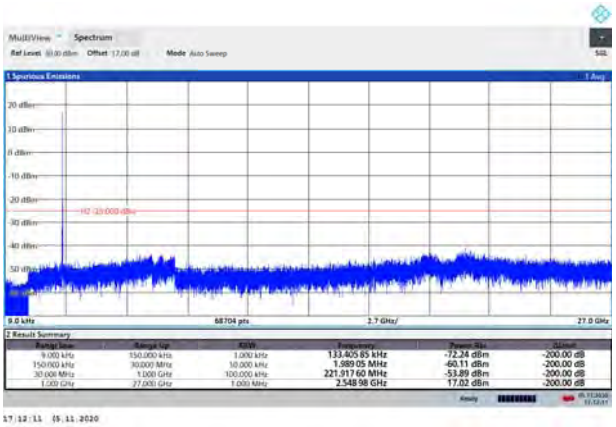


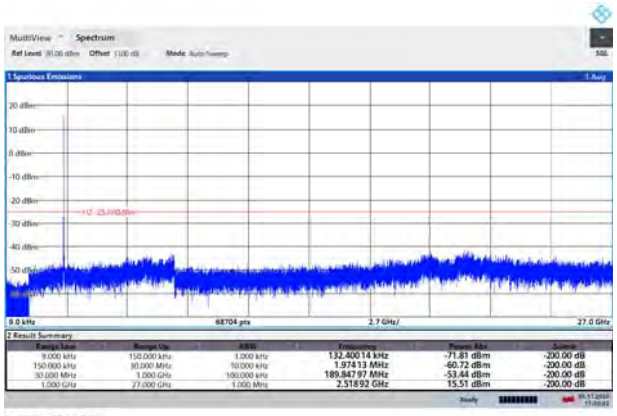
CA-7C-5A 16QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH20850



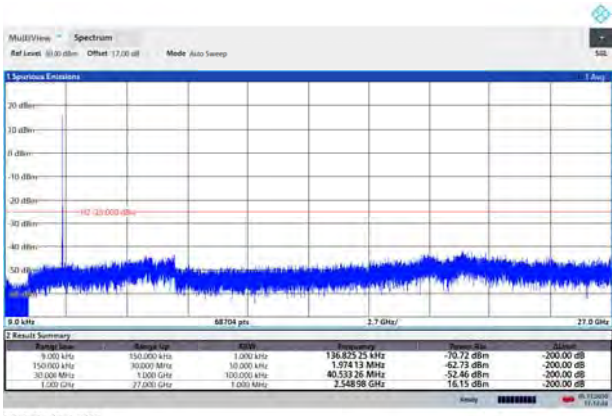
CA-7C-5A 16QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH21152



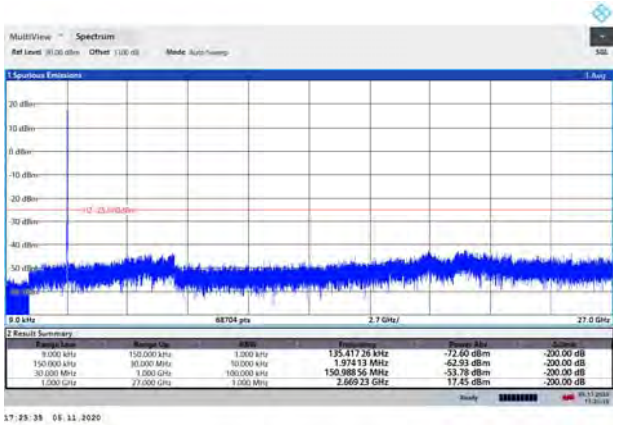
CA-7C-5A 64QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH20850



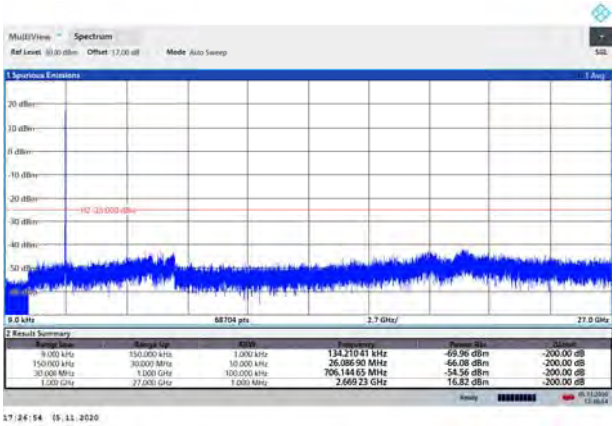
CA-7C-5A 64QAM 20MHz+20MHz+20MHz
9kHz~27GHz CH21152



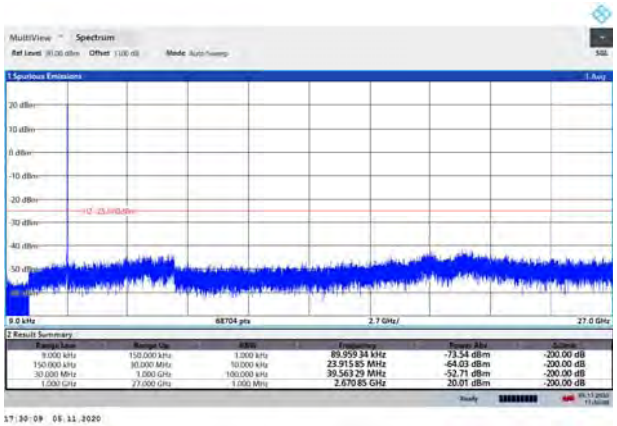
CA_41A_41C QPSK 5MHz+20MHz+20MHz
9kHz~27GHz CH-Low



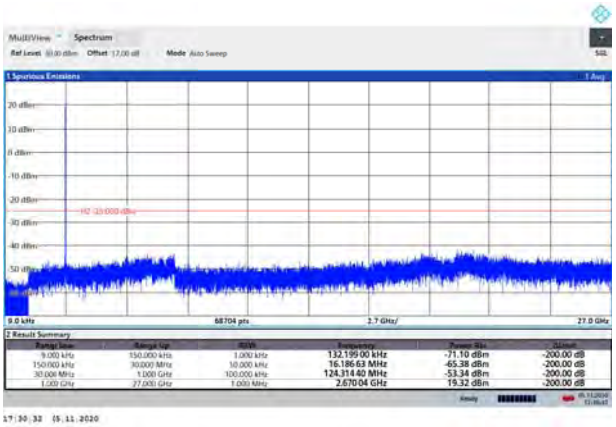
CA_41A_41C 16QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Low



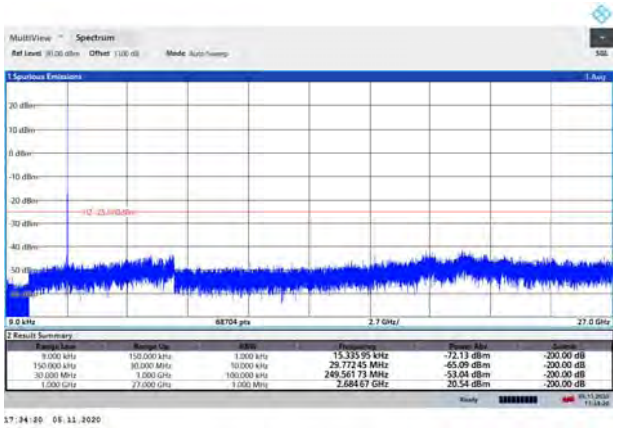
CA_41A_41C QPSK 5MHz+20MHz+20MHz
9kHz~27GHz CH-Middle



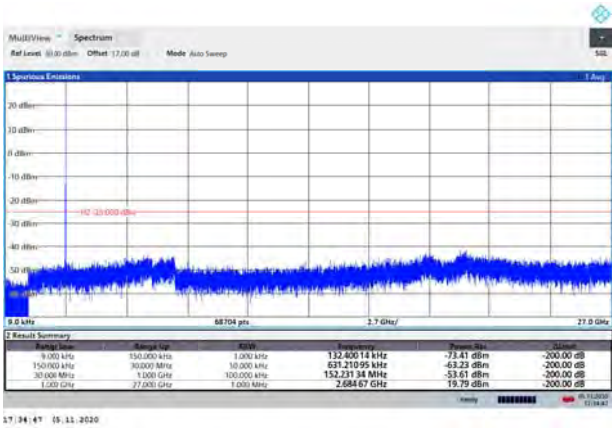
CA_41A_41C 16QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Middle



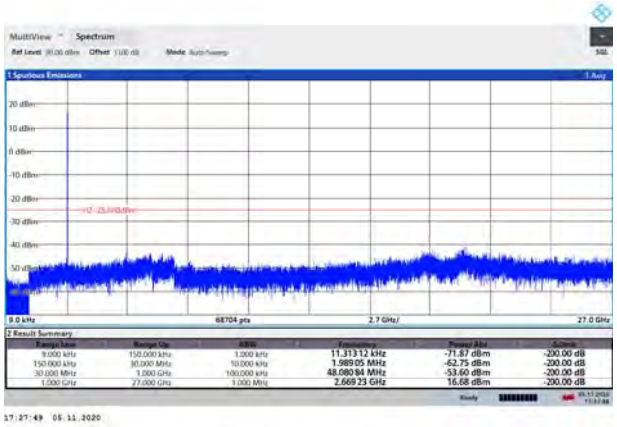
CA_41A_41C QPSK 5MHz+20MHz+20MHz
9kHz~27GHz CH-High



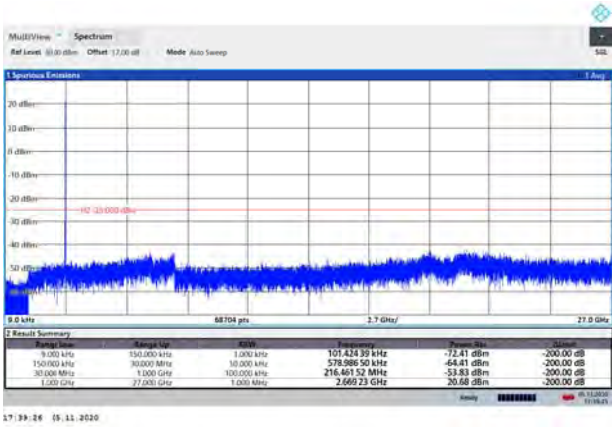
CA_41A_41C 16QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-High



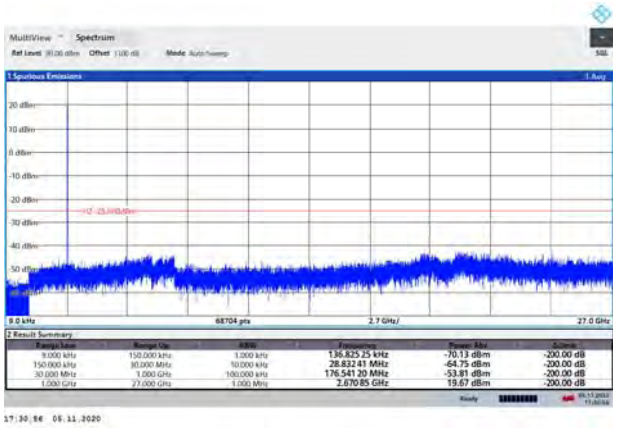
CA_41A_41C 64QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Low



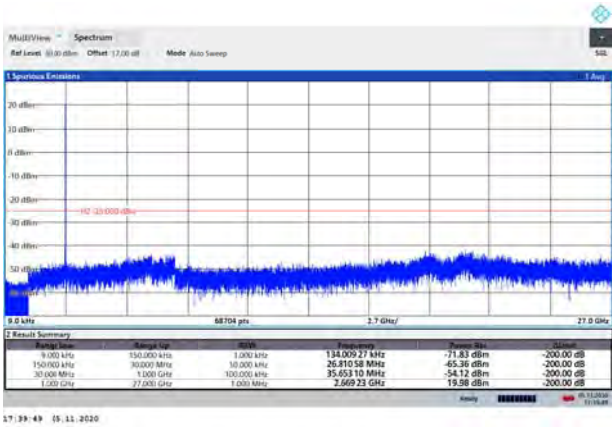
CA-41A_41C QPSK 20MHz+20MHz+20MHz
9kHz~27GHz



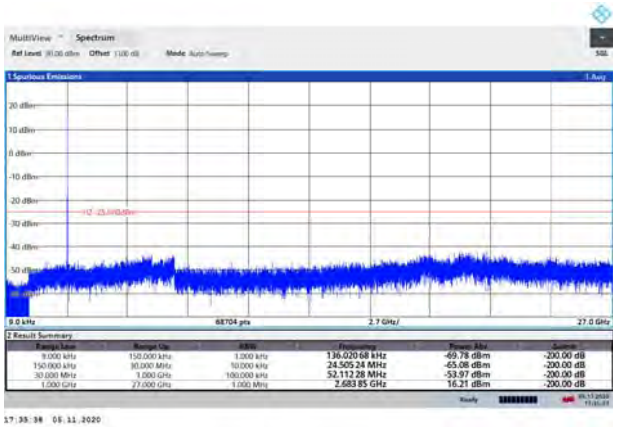
CA_41A_41C 64QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Middle



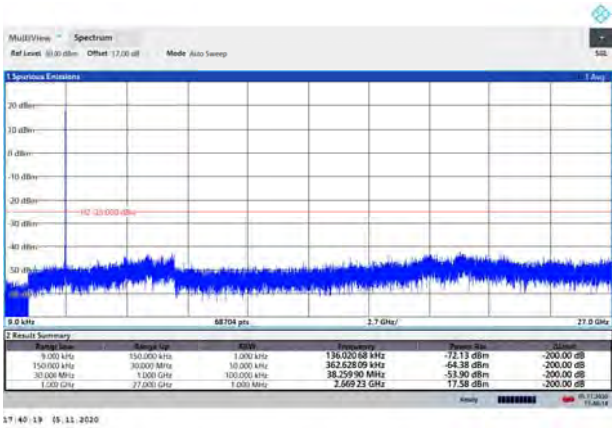
CA_41A_41C 16QAM 20MHz+20MHz+20MHz
9kHz~27GHz



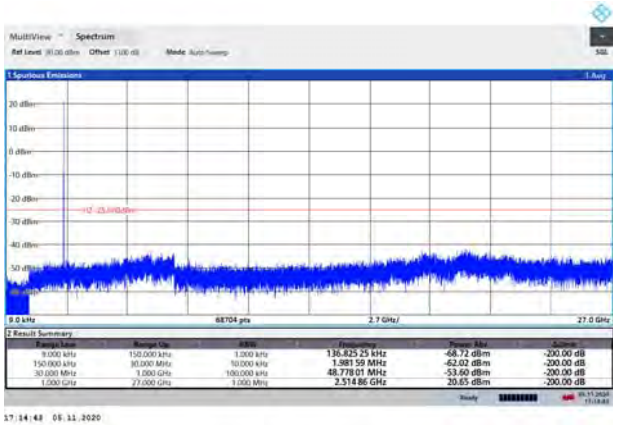
CA_41A_41C 64QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-High



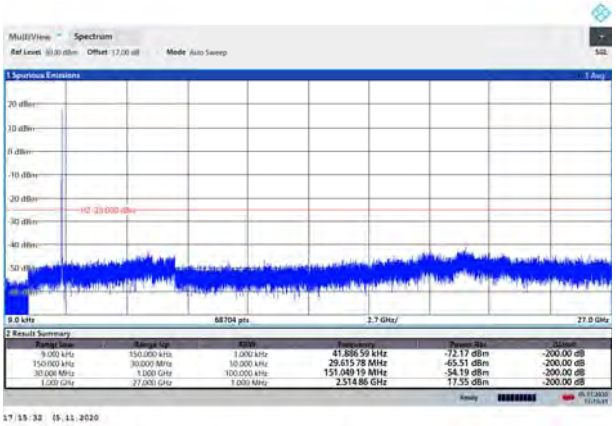
CA_41A_41C 64QAM 20MHz+20MHz+20MHz
9kHz~27GHz



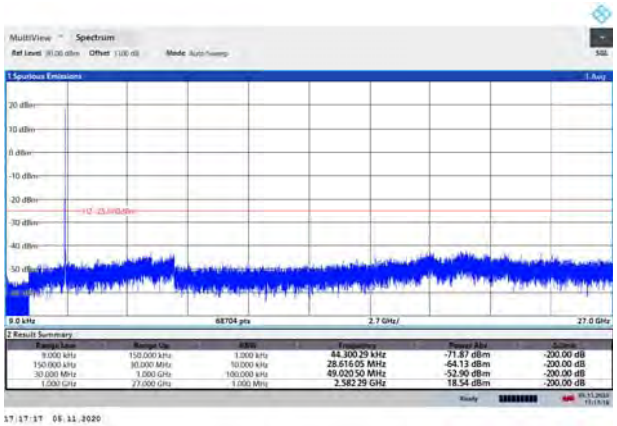
CA_41D QPSK 5MHz+20MHz+20MHz
9kHz~27GHz CH-Low



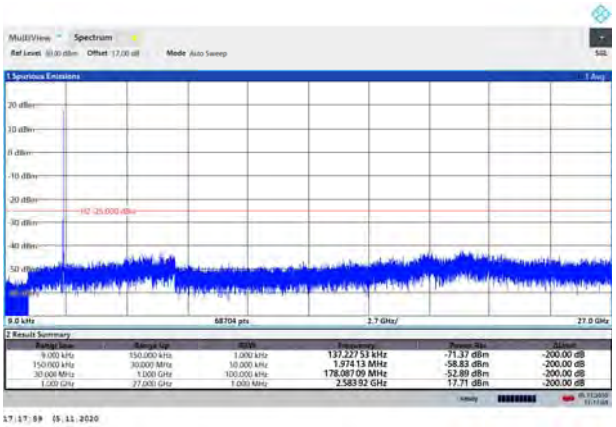
CA_41D 16QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Low



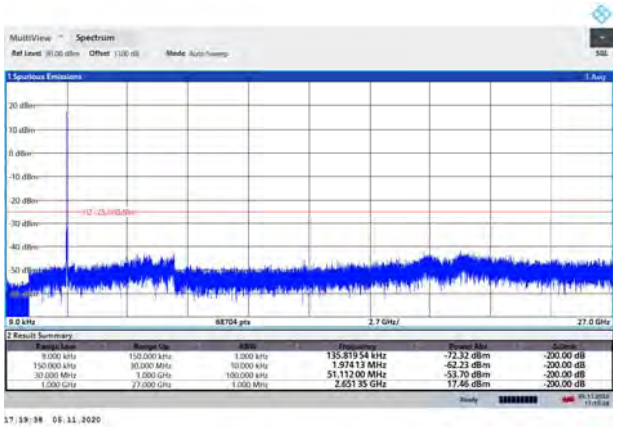
CA_41D QPSK 5MHz+20MHz+20MHz
9kHz~27GHz CH-Middle



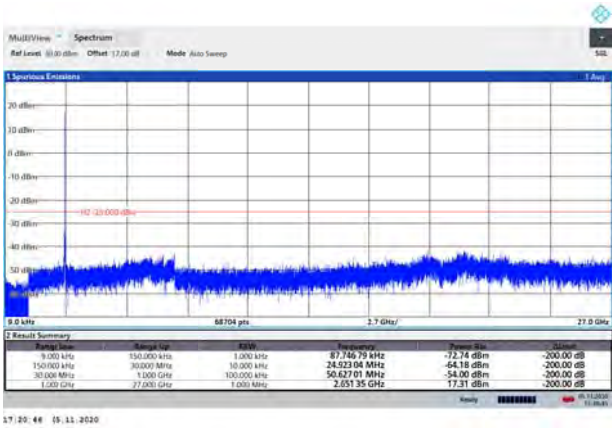
CA_41D 16QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Middle



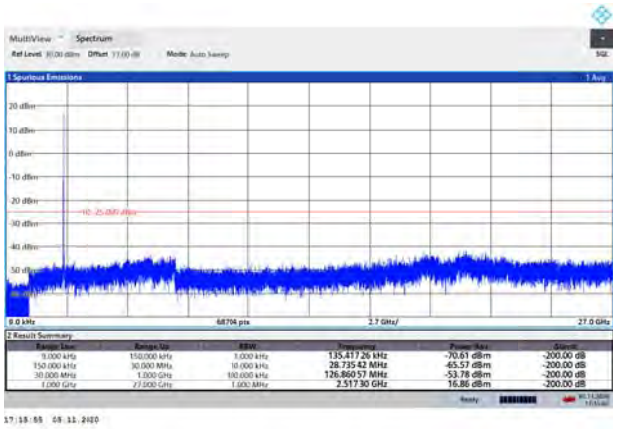
CA_41D QPSK 5MHz+20MHz+20MHz
9kHz~27GHz CH-High



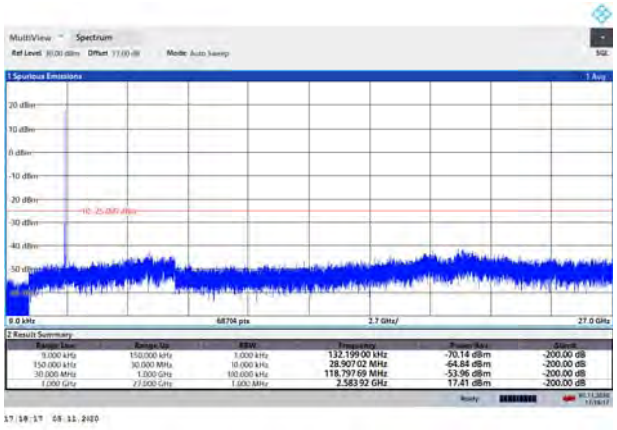
CA_41D 16QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-High



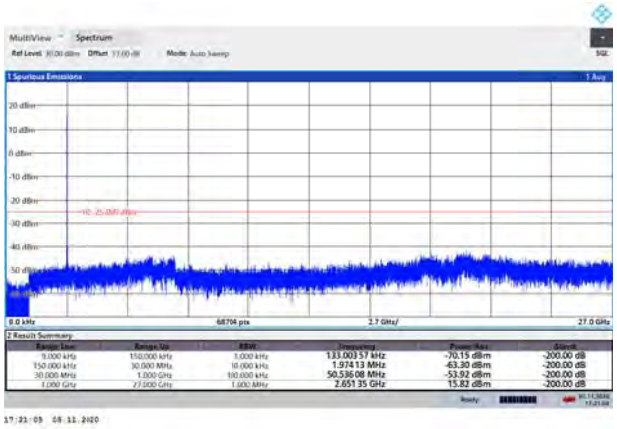
CA_41D 64QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Low



CA_41D 64QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-Middle



CA_41D 64QAM 5MHz+20MHz+20MHz
9kHz~27GHz CH-High



5.7 Radiates Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

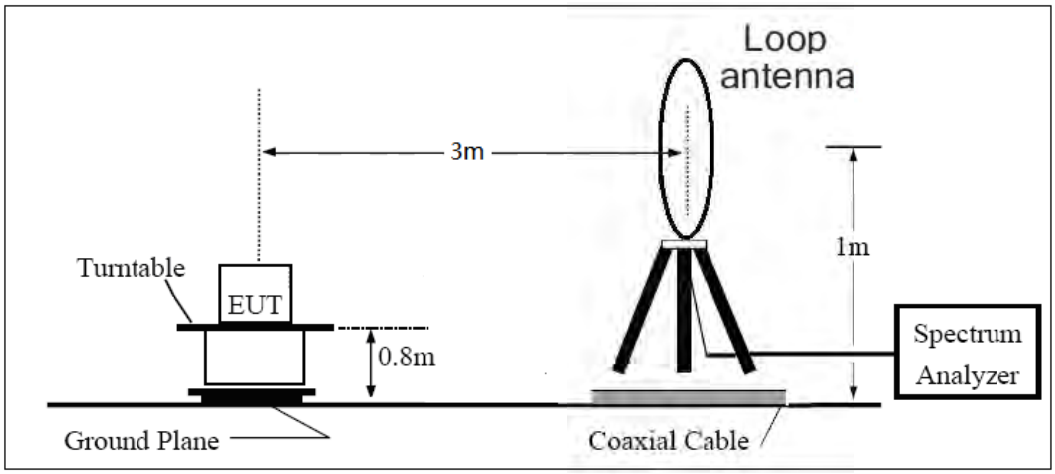
1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=200Hz,VBW=600Hz for 9kHz-150kHz , RBW=10kHz, VBW=30kHz 150kHz-30MHz ,RBW=100kHz,VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz And the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
7. The measurement results are obtained as described below:
Power(EIRP)=PMea- PAg - Pcl + Ga
The measurement results are amend as described below:
Power(EIRP)=PMea- Pcl + Ga
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP

= EIRP-2.15dBi.

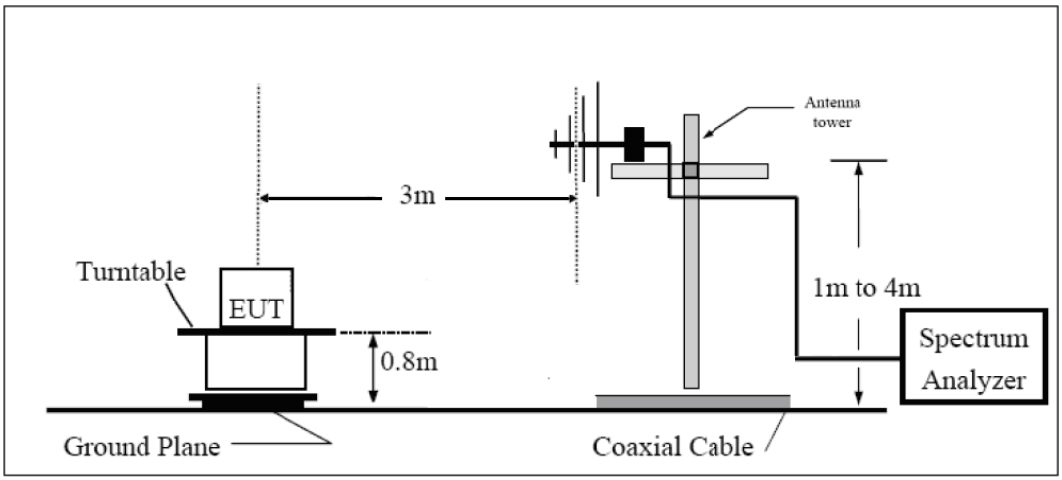
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

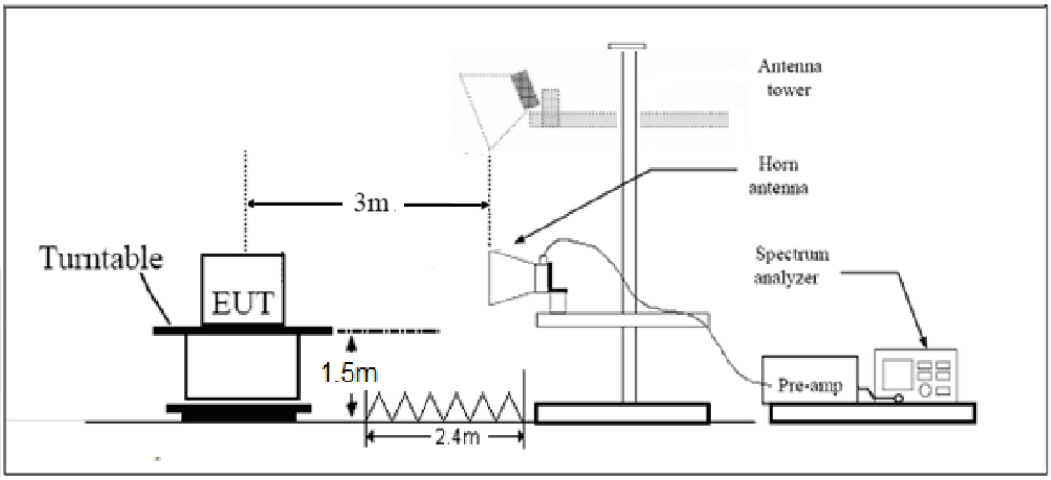
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.”

Rule Part 27.53 (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Rule Part 27.53(f)For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

Rule Part 27.53(m) 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)(4) of this section.

Part 27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:
(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;
(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;
(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Part 27.53(a)/(h)/(g) Limit		-13 dBm
Part 27.53(f) Limit	Limit out of the band 1559-1610 MHz	-13 dBm

	Limit in the band 1559-1610 MHz	-40 dBm
Part 27.53(m) Limit		-25 dBm

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95％ confidence level for the normal distribution is with the coverage factor k = ±1.96, U= ±3.55 dB.

Test Result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

WCDMA Band IV CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.20	-62.21	2.6	10.75	Horizontal	-54.06	-13.00	41.06	225
3	5197.80	-55.33	2.4	11.05	Horizontal	-46.68	-13.00	33.68	0
4	6930.40	-60.21	4.5	11.15	Horizontal	-53.56	-13.00	40.56	45
5	8663.00	-54.51	5.1	11.35	Horizontal	-48.26	-13.00	35.26	315
6	10395.60	-51.29	5.3	11.95	Horizontal	-44.64	-13.00	31.64	90
7	12128.20	-52.00	5.5	13.55	Horizontal	-43.95	-13.00	30.95	180
8	13860.80	-50.24	6.3	13.75	Horizontal	-42.79	-13.00	29.79	135
9	15593.40	-49.08	6.7	13.85	Horizontal	-41.93	-13.00	28.93	45
10	17326.00	-48.60	6.8	14.25	Horizontal	-41.15	-13.00	28.15	225
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 4 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-59.80	2.6	10.75	Horizontal	-51.65	-13.00	38.65	225
3	5197.50	-49.82	2.4	11.05	Horizontal	-41.17	-13.00	28.17	180
4	6930.00	-55.48	4.5	11.15	Horizontal	-48.83	-13.00	35.83	45
5	8662.50	-49.47	5.1	11.35	Horizontal	-43.22	-13.00	30.22	315
6	10395.00	-47.50	5.3	11.95	Horizontal	-40.85	-13.00	27.85	90
7	12127.50	-49.89	5.5	13.55	Horizontal	-41.84	-13.00	28.84	0
8	13860.00	-49.39	6.3	13.75	Horizontal	-41.94	-13.00	28.94	0
9	15592.50	-47.26	6.7	13.85	Horizontal	-40.11	-13.00	27.11	45
10	17325.00	-46.14	6.8	14.25	Horizontal	-38.69	-13.00	25.69	90
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-60.81	2.6	10.75	Horizontal	-52.66	-13.00	39.66	0
3	5191.50	-50.52	2.4	11.05	Horizontal	-41.87	-13.00	28.87	45
4	6930.00	-55.12	4.5	11.15	Horizontal	-48.47	-13.00	35.47	315
5	8662.50	-51.51	5.1	11.35	Horizontal	-45.26	-13.00	32.26	180
6	10395.00	-47.37	5.3	11.95	Horizontal	-40.72	-13.00	27.72	0
7	12127.50	-49.59	5.5	13.55	Horizontal	-41.54	-13.00	28.54	45
8	13860.00	-49.23	6.3	13.75	Horizontal	-41.78	-13.00	28.78	315
9	15592.50	-47.96	6.7	13.85	Horizontal	-40.81	-13.00	27.81	45
10	17325.00	-45.32	6.8	14.25	Horizontal	-37.87	-13.00	24.87	90
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 4 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.00	-59.94	2.6	10.75	Horizontal	-51.79	-13.00	38.79	0
3	5170.88	-50.98	2.4	11.05	Horizontal	-42.33	-13.00	29.33	45
4	6930.00	-54.44	4.5	11.15	Horizontal	-47.79	-13.00	34.79	135
5	8662.50	-51.32	5.1	11.35	Horizontal	-45.07	-13.00	32.07	180
6	10395.00	-48.08	5.3	11.95	Horizontal	-41.43	-13.00	28.43	225
7	12127.50	-49.12	5.5	13.55	Horizontal	-41.07	-13.00	28.07	90
8	13860.00	-48.94	6.3	13.75	Horizontal	-41.49	-13.00	28.49	90
9	15592.50	-48.38	6.7	13.85	Horizontal	-41.23	-13.00	28.23	45
10	17325.00	-46.12	6.8	14.25	Horizontal	-38.67	-13.00	25.67	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 7 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.80	-57.39	2.00	9.15	Horizontal	-50.24	-25.00	25.24	0
3	7598.60	-57.47	2.50	11.35	Horizontal	-48.62	-25.00	23.62	45
4	10130.63	-45.88	4.20	12.05	Horizontal	-38.03	-25.00	13.03	180
5	12675.00	-48.50	5.20	12.85	Horizontal	-40.85	-25.00	15.85	315
6	15210.00	-50.28	5.50	14.23	Horizontal	-41.55	-25.00	16.55	45
7	17745.00	-48.32	5.70	14.15	Horizontal	-39.87	-25.00	14.87	90
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 7 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.38	-57.12	2.00	10.15	Horizontal	-48.97	-25.00	23.97	45
3	7605.00	-57.71	2.50	11.35	Horizontal	-48.86	-25.00	23.86	225
4	10140.00	-47.55	4.20	12.05	Horizontal	-39.70	-25.00	14.70	180
5	12675.00	-49.93	5.20	14.85	Horizontal	-40.28	-25.00	15.28	90
6	15210.00	-49.00	5.50	13.23	Horizontal	-41.27	-25.00	16.27	45
7	17745.00	-46.28	5.70	12.15	Horizontal	-39.83	-25.00	14.83	135
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 12 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-62.03	2.00	10.75	Horizontal	-55.43	-13.00	42.43	45
3	2122.50	-54.57	2.51	11.05	Horizontal	-48.18	-13.00	35.18	90
4	2830.00	-55.33	4.20	11.15	Horizontal	-50.53	-13.00	37.53	315
5	3537.50	-57.35	5.20	11.15	Horizontal	-53.55	-13.00	40.55	0
6	4245.00	-55.48	5.50	11.95	Horizontal	-51.18	-13.00	38.18	45
7	4952.50	-55.88	5.70	13.55	Horizontal	-50.18	-13.00	37.18	225
8	5660.00	-55.51	6.30	13.75	Horizontal	-50.21	-13.00	37.21	315
9	6367.50	-56.61	6.80	13.85	Horizontal	-51.71	-13.00	38.71	90
10	7075.00	-55.46	6.90	14.25	Horizontal	-50.26	-13.00	37.26	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.60	-60.44	2.00	10.75	Horizontal	-53.84	-13.00	40.84	45
3	2115.90	-56.18	2.51	11.05	Horizontal	-49.79	-13.00	36.79	315
4	2821.20	-57.82	4.20	11.15	Horizontal	-53.02	-13.00	40.02	180
5	3537.50	-57.26	5.20	11.15	Horizontal	-53.46	-13.00	40.46	0
6	4245.00	-54.72	5.50	11.95	Horizontal	-50.42	-13.00	37.42	45
7	4952.50	-55.50	5.70	13.55	Horizontal	-49.80	-13.00	36.80	315
8	5660.00	-55.83	6.30	13.75	Horizontal	-50.53	-13.00	37.53	90
9	6367.50	-55.49	6.80	13.85	Horizontal	-50.59	-13.00	37.59	45
10	7075.00	-55.76	6.90	14.25	Horizontal	-50.56	-13.00	37.56	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 12 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1406.40	-62.77	2.00	10.75	Horizontal	-56.17	-13.00	43.17	0
3	2109.60	-49.98	2.51	11.05	Horizontal	-43.59	-13.00	30.59	0
4	2812.80	-56.11	4.20	11.15	Horizontal	-51.31	-13.00	38.31	45
5	3537.50	-56.91	5.20	11.15	Horizontal	-53.11	-13.00	40.11	45
6	4245.00	-53.71	5.50	11.95	Horizontal	-49.41	-13.00	36.41	0
7	4952.50	-55.07	5.70	13.55	Horizontal	-49.37	-13.00	36.37	315
8	5660.00	-55.97	6.30	13.75	Horizontal	-50.67	-13.00	37.67	90
9	6367.50	-55.99	6.80	13.85	Horizontal	-51.09	-13.00	38.09	45
10	7075.00	-55.46	6.90	14.25	Horizontal	-50.26	-13.00	37.26	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 13 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1564.00	-63.57	2.00	10.75	Horizontal	-56.97	-40.00	16.97	180
Harmonic	**Frequency (MHz)**	**SG (dBm)**	**Cable Loss (dB)**	**Gain (dBi)**	**Antenna Polarization**	**ERP Level (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Azimuth (deg)**
3	2346.00	-56.70	2.51	11.05	Horizontal	-53.15	-13.00	40.15	45
4	3128.00	-53.78	4.20	11.15	Horizontal	-51.90	-13.00	38.90	45
5	3910.00	-54.28	5.20	11.15	Horizontal	-49.98	-13.00	36.98	180
6	4692.00	-55.68	5.50	11.95	Horizontal	-49.98	-13.00	36.98	45
7	5474.00	-56.00	5.70	13.55	Horizontal	-49.98	-13.00	36.98	315
8	6256.00	-55.06	6.30	13.75	Horizontal	-50.70	-13.00	37.70	45
9	7038.00	-53.78	6.80	13.85	Horizontal	-50.16	-13.00	37.16	225
10	7820.00	-55.46	6.90	14.25	Horizontal	-48.58	-13.00	35.58	90
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 13 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1555.25	-65.27	2.00	10.75	Horizontal	-58.67	-13.00	45.67	225
3	2346.00	-62.17	2.51	11.05	Horizontal	-55.78	-13.00	42.78	0
4	3128.00	-57.18	4.20	11.15	Horizontal	-52.38	-13.00	39.38	45
5	3910.00	-55.64	5.20	11.15	Horizontal	-51.84	-13.00	38.84	315
6	4692.00	-55.52	5.50	11.95	Horizontal	-51.22	-13.00	38.22	0
7	5474.00	-55.61	5.70	13.55	Horizontal	-49.91	-13.00	36.91	90
8	6256.00	-55.78	6.30	13.75	Horizontal	-50.48	-13.00	37.48	45
9	7038.00	-55.29	6.80	13.85	Horizontal	-50.39	-13.00	37.39	135
10	7820.00	-54.18	6.90	14.25	Horizontal	-48.98	-13.00	35.98	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 38 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	4997.00	-57.06	2.00	9.15	Horizontal	-49.91	-25.00	24.91	90
3	7495.50	-56.90	2.50	11.35	Horizontal	-48.05	-25.00	23.05	45
4	9994.00	-46.93	4.20	12.05	Horizontal	-39.08	-25.00	14.08	180
5	12492.50	-49.21	5.20	12.85	Horizontal	-41.56	-25.00	16.56	45
6	14991.00	-50.72	5.50	14.23	Horizontal	-41.99	-25.00	16.99	315
7	17489.50	--	--	--	--	--	--	--	--
8	19988.00	--	--	--	--	--	--	--	--
9	22486.50	--	--	--	--	--	--	--	--
10	24985.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 38 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5186.00	-58.37	2.00	10.15	Horizontal	-50.22	-25.00	25.22	270
3	7779.00	-58.49	2.50	11.35	Horizontal	-49.64	-25.00	24.64	180
4	10372.00	-48.44	4.20	12.05	Horizontal	-40.59	-25.00	15.59	315
5	12965.00	-51.24	5.20	14.85	Horizontal	-41.59	-25.00	16.59	90
6	15558.00	-48.73	5.50	13.23	Horizontal	-41.00	-25.00	16.00	45
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 41 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	4997.00	-57.47	2.00	9.15	Horizontal	-50.32	-25.00	25.32	45
3	7495.50	-57.65	2.50	11.35	Horizontal	-48.80	-25.00	23.80	180
4	9994.00	-48.34	4.20	12.05	Horizontal	-40.49	-25.00	15.49	315
5	12492.50	-50.63	5.20	12.85	Horizontal	-42.98	-25.00	17.98	135
6	14991.00	-49.77	5.50	14.23	Horizontal	-41.04	-25.00	16.04	90
7	17489.50	-48.38	5.70	14.15	Horizontal	-39.93	-25.00	14.93	45
8	19988.00	--	--	--	--	--	--	--	--
9	22486.50	--	--	--	--	--	--	--	--
10	24985.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 41 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5186.00	-58.33	2.00	10.15	Horizontal	-50.18	-25.00	25.18	90
3	7779.00	-57.82	2.50	11.35	Horizontal	-48.97	-25.00	23.97	45
4	10372.00	-49.32	4.20	12.05	Horizontal	-41.47	-25.00	16.47	315
5	12965.00	-52.35	5.20	14.85	Horizontal	-42.70	-25.00	17.70	90
6	15558.00	-49.02	5.50	13.23	Horizontal	-41.29	-25.00	16.29	135
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 66 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3509.00	-64.05	2.6	10.75	Horizontal	-55.90	-13.00	42.90	0
3	5263.50	-54.00	2.4	11.05	Horizontal	-45.35	-13.00	32.35	45
4	7018.00	-47.37	4.5	11.15	Horizontal	-40.72	-13.00	27.72	90
5	8772.50	-44.88	5.1	11.35	Horizontal	-38.63	-13.00	25.63	270
6	10527.00	-50.76	5.3	11.95	Horizontal	-44.11	-13.00	31.11	45
7	12281.50	-51.77	5.5	13.55	Horizontal	-43.72	-13.00	30.72	180
8	14036.00	-48.54	6.3	13.75	Horizontal	-41.09	-13.00	28.09	90
9	15790.50	-50.46	6.7	13.85	Horizontal	-43.31	-13.00	30.31	45
10	17545.00	-50.12	6.8	14.25	Horizontal	-42.67	-13.00	29.67	315
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3505.60	-64.46	2.6	10.75	Horizontal	-56.31	-13.00	43.31	90
3	5258.40	-55.98	2.4	11.05	Horizontal	-47.33	-13.00	34.33	315
4	7011.20	-49.96	4.5	11.15	Horizontal	-43.31	-13.00	30.31	45
5	8764.00	-45.24	5.1	11.35	Horizontal	-38.99	-13.00	25.99	225
6	10516.80	-51.52	5.3	11.95	Horizontal	-44.87	-13.00	31.87	180
7	12269.60	-52.71	5.5	13.55	Horizontal	-44.66	-13.00	31.66	0
8	14022.40	-48.83	6.3	13.75	Horizontal	-41.38	-13.00	28.38	90
9	15775.20	-49.21	6.7	13.85	Horizontal	-42.06	-13.00	29.06	45
10	17528.00	-49.26	6.8	14.25	Horizontal	-41.81	-13.00	28.81	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 66 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3492.20	-60.53	2.6	10.75	Horizontal	-52.38	-13.00	39.38	270
3	5238.30	-55.44	2.4	11.05	Horizontal	-46.79	-13.00	33.79	45
4	6984.40	-50.92	4.5	11.15	Horizontal	-44.27	-13.00	31.27	315
5	8730.50	-46.95	5.1	11.35	Horizontal	-40.70	-13.00	27.70	90
6	10476.60	-52.38	5.3	11.95	Horizontal	-45.73	-13.00	32.73	0
7	12222.70	-52.85	5.5	13.55	Horizontal	-44.80	-13.00	31.80	0
8	13968.80	-49.23	6.3	13.75	Horizontal	-41.78	-13.00	28.78	45
9	15714.90	-50.66	6.7	13.85	Horizontal	-43.51	-13.00	30.51	315
10	17461.00	-48.60	6.8	14.25	Horizontal	-41.15	-13.00	28.15	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 71 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1356.00	-62.22	2.00	10.75	Horizontal	-55.62	-13.00	42.62	45
3	2034.90	-61.55	2.51	11.05	Horizontal	-55.16	-13.00	42.16	90
4	2713.20	-61.17	4.20	11.15	Horizontal	-56.37	-13.00	43.37	270
5	3391.50	-60.11	5.20	11.15	Horizontal	-56.31	-13.00	43.31	45
6	4069.80	-59.76	5.50	11.95	Horizontal	-55.46	-13.00	42.46	315
7	4748.10	-60.55	5.70	13.55	Horizontal	-54.85	-13.00	41.85	90
8	5426.40	-59.26	6.30	13.75	Horizontal	-53.96	-13.00	40.96	0
9	6104.70	-58.31	6.80	13.85	Horizontal	-53.41	-13.00	40.41	45
10	6783.00	-57.16	6.90	14.25	Horizontal	-51.96	-13.00	38.96	225
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 71 QPSK 20MHz CH-High, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1343.00	-62.38	2.00	10.15	Horizontal	-56.38	-13.00	43.38	315
3	2014.50	-63.50	2.51	11.05	Horizontal	-57.11	-13.00	44.11	180
4	2686.00	-62.36	4.20	11.15	Horizontal	-57.56	-13.00	44.56	0
5	3358.00	-58.03	5.20	11.15	Horizontal	-54.23	-13.00	41.23	0
6	4029.60	-58.94	5.50	11.95	Horizontal	-54.64	-13.00	41.64	180
7	4701.20	-58.70	5.70	13.55	Horizontal	-53.00	-13.00	40.00	90
8	5372.80	-59.22	6.30	13.75	Horizontal	-53.92	-13.00	40.92	45
9	6044.40	-59.38	6.80	13.85	Horizontal	-54.48	-13.00	41.48	315
10	6716.00	-56.49	6.90	14.25	Horizontal	-51.29	-13.00	38.29	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-7C QPSK 15MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5056.60	-61.03	2.00	9.15	Horizontal	-53.88	-25.00	28.88	180
3	7584.90	-60.18	2.50	11.35	Horizontal	-51.33	-25.00	26.33	0
4	10113.20	-53.41	4.20	12.05	Horizontal	-45.56	-25.00	20.56	270
5	12641.50	-55.30	5.20	12.85	Horizontal	-47.65	-25.00	22.65	45
6	15169.00	-54.70	5.50	14.23	Horizontal	-45.97	-25.00	20.97	135
7	17698.10	-53.23	5.70	14.15	Horizontal	-44.78	-25.00	19.78	225
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-7C QPSK 10MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.24	-61.79	2.00	10.15	Horizontal	-53.64	-25.00	28.64	45
3	7578.36	-59.60	2.50	11.35	Horizontal	-50.75	-25.00	25.75	135
4	10104.48	-54.77	4.20	12.05	Horizontal	-46.92	-25.00	21.92	90
5	12630.60	-55.51	5.20	14.85	Horizontal	-45.86	-25.00	20.86	0
6	15156.72	-54.22	5.50	13.23	Horizontal	-46.49	-25.00	21.49	270
7	17682.84	-50.15	5.70	12.15	Horizontal	-43.70	-25.00	18.70	315
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-7C QPSK 20MHz+10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5061.24	-62.72	2.00	10.15	Horizontal	-54.57	-25.00	29.57	270
3	7591.86	-59.35	2.50	11.35	Horizontal	-50.50	-25.00	25.50	135
4	10122.48	-53.75	4.20	12.05	Horizontal	-45.90	-25.00	20.90	45
5	12653.10	-56.11	5.20	14.85	Horizontal	-46.46	-25.00	21.46	90
6	15183.72	-53.16	5.50	13.23	Horizontal	-45.43	-25.00	20.43	0
7	17714.34	-50.94	5.70	12.15	Horizontal	-44.49	-25.00	19.49	225
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-7C QPSK 15MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.10	-61.49	2.00	9.15	Horizontal	-54.34	-25.00	29.34	225
3	7578.15	-58.97	2.50	11.35	Horizontal	-50.12	-25.00	25.12	0
4	10104.20	-55.04	4.20	12.05	Horizontal	-47.19	-25.00	22.19	90
5	12630.25	-54.00	5.20	12.85	Horizontal	-46.35	-25.00	21.35	270
6	15156.30	-55.19	5.50	14.23	Horizontal	-46.46	-25.00	21.46	135
7	17682.35	-51.73	5.70	14.15	Horizontal	-43.28	-25.00	18.28	45
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-7C QPSK 20MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5056.68	-62.83	2.00	10.15	Horizontal	-54.68	-25.00	29.68	90
3	7585.02	-59.28	2.50	11.35	Horizontal	-50.43	-25.00	25.43	0
4	10113.36	-54.42	4.20	12.05	Horizontal	-46.57	-25.00	21.57	135
5	12641.70	-56.70	5.20	14.85	Horizontal	-47.05	-25.00	22.05	225
6	15170.04	-53.84	5.50	13.23	Horizontal	-46.11	-25.00	21.11	270
7	17698.38	-51.04	5.70	12.15	Horizontal	-44.59	-25.00	19.59	45
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-7C QPSK 20MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.14	-63.16	2.00	10.15	Horizontal	-55.01	-25.00	30.01	180
3	7578.21	-58.65	2.50	11.35	Horizontal	-49.80	-25.00	24.80	225
4	10104.28	-53.05	4.20	12.05	Horizontal	-45.20	-25.00	20.20	270
5	12630.35	-55.66	5.20	14.85	Horizontal	-46.01	-25.00	21.01	90
6	15156.42	-54.11	5.50	13.23	Horizontal	-46.38	-25.00	21.38	135
7	17682.49	-50.11	5.70	12.15	Horizontal	-43.66	-25.00	18.66	45
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-38C QPSK 15MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5176.64	-61.54	2.00	9.15	Horizontal	-54.39	-13.00	41.39	0
3	7764.96	-59.27	2.50	11.35	Horizontal	-50.42	-13.00	37.42	90
4	10353.28	-54.91	4.20	12.05	Horizontal	-47.06	-13.00	34.06	135
5	12941.60	-53.31	5.20	12.85	Horizontal	-45.66	-13.00	32.66	270
6	15529.92	-56.49	5.50	14.23	Horizontal	-47.76	-13.00	34.76	45
7	17682.35	--	--	--	--	--	--	--	--
8	19988.00	--	--	--	--	--	--	--	--
9	22486.50	--	--	--	--	--	--	--	--
10	24985.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-38C QPSK 20MHz+10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5172.16	-64.27	2.00	10.15	Horizontal	-56.12	-13.00	43.12	45
3	7758.24	-58.05	2.50	11.35	Horizontal	-49.20	-13.00	36.20	315
4	10344.32	-55.17	4.20	12.05	Horizontal	-47.32	-13.00	34.32	225
5	12930.40	-55.90	5.20	14.85	Horizontal	-46.25	-13.00	33.25	0
6	15516.48	-55.78	5.50	13.23	Horizontal	-48.05	-13.00	35.05	180
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-41C QPSK 5MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5168.20	-61.23	2.00	9.15	Horizontal	-54.08	-25.00	29.08	45
3	7752.30	-58.66	2.50	11.35	Horizontal	-49.81	-25.00	24.81	135
4	10336.40	-55.02	4.20	12.05	Horizontal	-47.17	-25.00	22.17	270
5	12920.50	-52.56	5.20	12.85	Horizontal	-44.91	-25.00	19.91	225
6	15504.60	-54.79	5.50	14.23	Horizontal	-46.06	-25.00	21.06	0
7	18088.70	--	--	--	--	--	--	--	--
8	20672.80	--	--	--	--	--	--	--	--
9	23256.90	--	--	--	--	--	--	--	--
10	25841.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-41C QPSK 20MHz+5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5181.60	-61.70	2.00	10.15	Horizontal	-53.55	-25.00	28.55	90
3	7772.40	-57.72	2.50	11.35	Horizontal	-48.87	-25.00	23.87	45
4	10363.20	-54.64	4.20	12.05	Horizontal	-46.79	-25.00	21.79	315
5	12954.00	-53.73	5.20	14.85	Horizontal	-44.08	-25.00	19.08	0
6	15544.00	-53.94	5.50	13.23	Horizontal	-46.21	-25.00	21.21	225
7	18315.00	--	--	--	--	--	--	--	--
8	20726.00	--	--	--	--	--	--	--	--
9	23317.00	--	--	--	--	--	--	--	--
10	25908.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-41C QPSK 10MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5167.20	-57.07	2.00	9.15	Horizontal	-49.92	-25.00	24.92	180
3	7750.80	-58.47	2.50	11.35	Horizontal	-49.62	-25.00	24.62	270
4	10334.40	-55.49	4.20	12.05	Horizontal	-47.64	-25.00	22.64	0
5	12918.00	-51.38	5.20	12.85	Horizontal	-43.73	-25.00	18.73	45
6	15501.60	-55.83	5.50	14.23	Horizontal	-47.10	-25.00	22.10	135
7	18085.20	--	--	--	--	--	--	--	--
8	20668.80	--	--	--	--	--	--	--	--
9	23252.40	--	--	--	--	--	--	--	--
10	25836.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-41C QPSK 20MHz+10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5176.20	-61.70	2.00	10.15	Horizontal	-53.55	-25.00	28.55	45
3	7764.30	-57.73	2.50	11.35	Horizontal	-48.88	-25.00	23.88	0
4	10352.40	-54.29	4.20	12.05	Horizontal	-46.44	-25.00	21.44	45
5	12940.50	-52.01	5.20	14.85	Horizontal	-42.36	-25.00	17.36	315
6	15528.60	-53.33	5.50	13.23	Horizontal	-45.60	-25.00	20.60	180
7	18116.70	--	--	--	--	--	--	--	--
8	20704.80	--	--	--	--	--	--	--	--
9	23292.90	--	--	--	--	--	--	--	--
10	25881.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-41C QPSK 20MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5166.20	-62.02	2.00	10.15	Horizontal	-53.87	-25.00	28.87	0
3	7749.30	-57.39	2.50	11.35	Horizontal	-48.54	-25.00	23.54	180
4	10332.40	-53.79	4.20	12.05	Horizontal	-45.94	-25.00	20.94	0
5	12915.50	-53.92	5.20	14.85	Horizontal	-44.27	-25.00	19.27	45
6	15498.60	-53.57	5.50	13.23	Horizontal	-45.84	-25.00	20.84	315
7	18081.70	--	--	--	--	--	--	--	--
8	20664.80	--	--	--	--	--	--	--	--
9	23247.90	--	--	--	--	--	--	--	--
10	25831.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66B QPSK 5MHz+5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3505.64	-66.46	2.6	10.75	Horizontal	-58.31	-13.00	45.31	45
3	5258.46	-65.42	2.4	11.05	Horizontal	-56.77	-13.00	43.77	0
4	7011.28	-59.22	4.5	11.15	Horizontal	-52.57	-13.00	39.57	135
5	8764.10	-56.43	5.1	11.35	Horizontal	-50.18	-13.00	37.18	270
6	10516.92	-53.73	5.3	11.95	Horizontal	-47.08	-13.00	34.08	90
7	12269.74	-54.21	5.5	13.55	Horizontal	-46.16	-13.00	33.16	315
8	14022.56	-51.92	6.3	13.75	Horizontal	-44.47	-13.00	31.47	180
9	15775.38	-52.60	6.7	13.85	Horizontal	-45.45	-13.00	32.45	225
10	17528.20	-51.02	6.8	14.25	Horizontal	-43.57	-13.00	30.57	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66B QPSK 5MHz+10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3501.20	-64.13	2.6	10.75	Horizontal	-55.98	-13.00	42.98	270
3	5251.80	-63.69	2.4	11.05	Horizontal	-55.04	-13.00	42.04	135
4	7002.40	-58.19	4.5	11.15	Horizontal	-51.54	-13.00	38.54	225
5	8752.60	-55.32	5.1	11.35	Horizontal	-49.07	-13.00	36.07	45
6	10503.60	-53.95	5.3	11.95	Horizontal	-47.30	-13.00	34.30	90
7	12254.60	-53.13	5.5	13.55	Horizontal	-45.08	-13.00	32.08	180
8	14004.80	-51.58	6.3	13.75	Horizontal	-44.13	-13.00	31.13	0
9	15710.40	-53.95	6.7	13.85	Horizontal	-46.80	-13.00	33.80	315
10	17506.00	-51.25	6.8	14.25	Horizontal	-43.80	-13.00	30.80	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66B QPSK 10MHz+5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3505.60	-65.66	2.6	10.75	Horizontal	-57.51	-13.00	44.51	45
3	5258.40	-64.37	2.4	11.05	Horizontal	-55.72	-13.00	42.72	90
4	7011.20	-58.58	4.5	11.15	Horizontal	-51.93	-13.00	38.93	135
5	8764.00	-55.79	5.1	11.35	Horizontal	-49.54	-13.00	36.54	180
6	10516.80	-54.08	5.3	11.95	Horizontal	-47.43	-13.00	34.43	225
7	12269.60	-54.66	5.5	13.55	Horizontal	-46.61	-13.00	33.61	315
8	14022.40	-51.74	6.3	13.75	Horizontal	-44.29	-13.00	31.29	0
9	15775.20	-54.46	6.7	13.85	Horizontal	-47.31	-13.00	34.31	270
10	17528.00	-50.92	6.8	14.25	Horizontal	-43.47	-13.00	30.47	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66B QPSK 10MHz+10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3501.24	-65.23	2.6	10.75	Horizontal	-57.08	-13.00	44.08	270
3	5251.86	-63.29	2.4	11.05	Horizontal	-54.64	-13.00	41.64	135
4	7002.48	-59.67	4.5	11.15	Horizontal	-53.02	-13.00	40.02	225
5	8753.10	-55.93	5.1	11.35	Horizontal	-49.68	-13.00	36.68	45
6	10503.72	-54.58	5.3	11.95	Horizontal	-47.93	-13.00	34.93	180
7	12254.34	-55.16	5.5	13.55	Horizontal	-47.11	-13.00	34.11	90
8	14004.96	-51.84	6.3	13.75	Horizontal	-44.39	-13.00	31.39	0
9	15755.58	-53.51	6.7	13.85	Horizontal	-46.36	-13.00	33.36	45
10	17506.20	-51.78	6.8	14.25	Horizontal	-44.33	-13.00	31.33	315
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66C QPSK 10MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3496.72	-66.28	2.6	10.75	Horizontal	-58.13	-13.00	45.13	90
3	5245.08	-64.73	2.4	11.05	Horizontal	-56.08	-13.00	43.08	45
4	6993.44	-59.70	4.5	11.15	Horizontal	-53.05	-13.00	40.05	180
5	8741.75	-57.95	5.1	11.35	Horizontal	-51.70	-13.00	38.70	315
6	10490.10	-53.49	5.3	11.95	Horizontal	-46.84	-13.00	33.84	135
7	12238.45	-55.34	5.5	13.55	Horizontal	-47.29	-13.00	34.29	225
8	13986.80	-52.44	6.3	13.75	Horizontal	-44.99	-13.00	31.99	0
9	15735.15	-53.67	6.7	13.85	Horizontal	-46.52	-13.00	33.52	270
10	17483.50	-50.90	6.8	14.25	Horizontal	-43.45	-13.00	30.45	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66C QPSK 15MHz+10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3501.10	-65.70	2.6	10.75	Horizontal	-57.55	-13.00	44.55	45
3	5251.65	-64.00	2.4	11.05	Horizontal	-55.35	-13.00	42.35	225
4	7002.20	-58.54	4.5	11.15	Horizontal	-51.89	-13.00	38.89	90
5	8752.75	-56.53	5.1	11.35	Horizontal	-50.28	-13.00	37.28	315
6	10503.30	-54.15	5.3	11.95	Horizontal	-47.50	-13.00	34.50	270
7	12253.85	-54.31	5.5	13.55	Horizontal	-46.26	-13.00	33.26	0
8	14004.40	-51.35	6.3	13.75	Horizontal	-43.90	-13.00	30.90	180
9	15754.95	-53.84	6.7	13.85	Horizontal	-46.69	-13.00	33.69	135
10	17505.50	-50.60	6.8	14.25	Horizontal	-43.15	-13.00	30.15	0
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66C QPSK 15MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3496.66	-65.43	2.6	10.75	Horizontal	-57.28	-13.00	44.28	45
3	5244.99	-64.39	2.4	11.05	Horizontal	-55.74	-13.00	42.74	135
4	6993.32	-59.21	4.5	11.15	Horizontal	-52.56	-13.00	39.56	90
5	8741.65	-57.43	5.1	11.35	Horizontal	-51.18	-13.00	38.18	225
6	10489.98	-53.63	5.3	11.95	Horizontal	-46.98	-13.00	33.98	315
7	12238.31	-54.23	5.5	13.55	Horizontal	-46.18	-13.00	33.18	180
8	13986.64	-52.58	6.3	13.75	Horizontal	-45.13	-13.00	32.13	270
9	15734.97	-53.86	6.7	13.85	Horizontal	-46.71	-13.00	33.71	0
10	17483.30	-50.91	6.8	14.25	Horizontal	-43.46	-13.00	30.46	270
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA-66C QPSK 20MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3492.16	-65.79	2.6	10.75	Horizontal	-57.64	-13.00	44.64	315
3	5238.24	-64.56	2.4	11.05	Horizontal	-55.91	-13.00	42.91	45
4	6984.32	-59.43	4.5	11.15	Horizontal	-52.78	-13.00	39.78	270
5	8730.40	-57.76	5.1	11.35	Horizontal	-51.51	-13.00	38.51	180
6	10476.48	-54.37	5.3	11.95	Horizontal	-47.72	-13.00	34.72	0
7	12222.56	-54.78	5.5	13.55	Horizontal	-46.73	-13.00	33.73	90
8	13968.64	-52.94	6.3	13.75	Horizontal	-45.49	-13.00	32.49	225
9	15714.72	-53.57	6.7	13.85	Horizontal	-46.42	-13.00	33.42	270
10	17460.80	-52.79	6.8	14.25	Horizontal	-45.34	-13.00	32.34	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_4C-12A QPSK 10MHz +20MHz +10MHz CH-Low

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3432.04	-63.38	2.6	10.15	Horizontal	-55.83	-13.00	42.83	315
3	5148.06	-55.68	2.4	11.35	Horizontal	-46.73	-13.00	33.73	270
4	6864.08	-54.80	4.5	10.85	Horizontal	-48.45	-13.00	35.45	180
5	8580.10	-51.07	5.1	11.35	Horizontal	-44.82	-13.00	31.82	90
6	10296.12	-48.11	5.3	11.95	Horizontal	-41.46	-13.00	28.46	45
7	12012.14	-51.89	5.5	13.55	Horizontal	-43.84	-13.00	30.84	135
8	13728.16	-48.96	6.3	13.75	Horizontal	-41.51	-13.00	28.51	225
9	15444.18	-52.21	6.7	13.85	Horizontal	-45.06	-13.00	32.06	90
10	17160.20	-45.10	6.8	14.25	Horizontal	-37.65	-13.00	24.65	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_4C-12A QPSK 10MHz+20MHz+10MHz CH-High

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3462.26	-62.69	2.6	10.15	Horizontal	-55.14	-13.00	42.14	180
3	5193.39	-55.22	2.4	11.05	Horizontal	-46.57	-13.00	33.57	90
4	6924.52	-54.42	4.5	11.15	Horizontal	-47.77	-13.00	34.77	225
5	8655.65	-49.21	5.1	11.35	Horizontal	-42.96	-13.00	29.96	135
6	10386.78	-48.57	5.3	11.95	Horizontal	-41.92	-13.00	28.92	45
7	12117.91	-50.80	5.5	13.55	Horizontal	-42.75	-13.00	29.75	225
8	13849.04	-50.20	6.3	13.75	Horizontal	-42.75	-13.00	29.75	270
9	15580.17	-51.86	6.7	13.85	Horizontal	-44.71	-13.00	31.71	45
10	17311.30	-46.69	6.8	14.25	Horizontal	-39.24	-13.00	26.24	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_4C-12A QPSK 20MHz+20MHz+10MHz CH-Low

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3441.96	-63.94	2.6	10.15	Horizontal	-56.39	-13.00	43.39	135
3	5162.94	-56.71	2.4	11.35	Horizontal	-47.76	-13.00	34.76	45
4	6883.92	-56.23	4.5	10.85	Horizontal	-49.88	-13.00	36.88	270
5	8604.90	-50.46	5.1	11.35	Horizontal	-44.21	-13.00	31.21	45
6	10325.88	-48.18	5.3	11.95	Horizontal	-41.53	-13.00	28.53	270
7	12046.86	-52.52	5.5	13.55	Horizontal	-44.47	-13.00	31.47	45
8	13767.84	-49.21	6.3	13.75	Horizontal	-41.76	-13.00	28.76	180
9	15488.82	-51.31	6.7	13.85	Horizontal	-44.16	-13.00	31.16	90
10	17209.80	-45.94	6.8	14.25	Horizontal	-38.49	-13.00	25.49	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_4C-12A QPSK 20MHz+20MHz+10MHz CH-High

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3452.36	-63.23	2.6	10.15	Horizontal	-55.68	-13.00	42.68	90
3	5178.54	-54.29	2.4	11.05	Horizontal	-45.64	-13.00	32.64	225
4	6904.72	-58.73	4.5	11.15	Horizontal	-52.08	-13.00	39.08	180
5	8630.90	-51.33	5.1	11.35	Horizontal	-45.08	-13.00	32.08	45
6	10357.08	-48.42	5.3	11.95	Horizontal	-41.77	-13.00	28.77	135
7	12083.26	-51.36	5.5	13.55	Horizontal	-43.31	-13.00	30.31	270
8	13809.44	-48.78	6.3	13.75	Horizontal	-41.33	-13.00	28.33	315
9	15535.62	-51.98	6.7	13.85	Horizontal	-44.83	-13.00	31.83	135
10	17261.80	-45.72	6.8	14.25	Horizontal	-38.27	-13.00	25.27	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-4A QPSK 20MHz+10MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5037.94	-54.72	2.00	9.15	Horizontal	-47.57	-25.00	22.57	180
3	7556.91	-54.70	2.50	11.35	Horizontal	-45.85	-25.00	20.85	45
4	10075.88	-43.52	4.20	12.05	Horizontal	-35.67	-25.00	10.67	270
5	12594.85	-51.67	5.20	12.85	Horizontal	-44.02	-25.00	19.02	90
6	15113.82	-52.98	5.50	14.23	Horizontal	-44.25	-25.00	19.25	315
7	17632.79	-49.66	5.70	14.15	Horizontal	-41.21	-25.00	16.21	45
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-4A QPSK 20MHz+10MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5118.16	-51.95	2.00	9.15	Horizontal	-49.50	-25.00	24.50	0
3	7677.24	-50.55	2.50	11.35	Horizontal	-46.76	-25.00	21.76	45
4	10236.32	-46.35	4.20	12.05	Horizontal	-36.85	-25.00	11.85	315
5	12795.40	-44.05	5.20	12.85	Horizontal	-42.75	-25.00	17.75	180
6	15354.48	-44.63	5.50	14.23	Horizontal	-44.54	-25.00	19.54	270
7	17913.56	-43.55	5.70	14.15	Horizontal	-40.73	-25.00	15.73	45
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-4A QPSK 20MHz+20MHz+20MHz CH-Low

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5038.00	-59.10	2.00	10.15	Horizontal	-50.95	-25.00	25.95	180
3	7557.00	-56.05	2.50	11.35	Horizontal	-47.20	-25.00	22.20	90
4	10076.00	-44.26	4.20	12.05	Horizontal	-36.41	-25.00	11.41	0
5	12595.00	-53.67	5.20	14.85	Horizontal	-44.02	-25.00	19.02	45
6	15114.00	-50.98	5.50	13.23	Horizontal	-43.25	-25.00	18.25	270
7	17633.00	-46.74	5.70	12.15	Horizontal	-40.29	-25.00	15.29	45
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-4A QPSK 20MHz+20MHz+20MHz CH- High

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5100.00	-59.43	2.00	10.15	Horizontal	-51.28	-25.00	26.28	135
3	7650.00	-55.83	2.50	11.35	Horizontal	-46.98	-25.00	21.98	90
4	10200.00	-43.52	4.20	12.05	Horizontal	-35.67	-25.00	10.67	315
5	12750.00	-53.45	5.20	14.85	Horizontal	-43.80	-25.00	18.80	180
6	15300.00	-52.59	5.50	13.23	Horizontal	-44.86	-25.00	19.86	45
7	17850.00	-46.09	5.70	12.15	Horizontal	-39.64	-25.00	14.64	0
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-5A QPSK 20MHz+10MHz+10MHz CH-Low

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5021.06	-55.59	2.00	9.15	Horizontal	-48.44	-25.00	23.44	270
3	7531.59	-57.58	2.50	11.35	Horizontal	-48.73	-25.00	23.73	315
4	10042.12	-51.23	4.20	12.05	Horizontal	-43.38	-25.00	18.38	225
5	12552.65	-51.51	5.20	12.85	Horizontal	-43.86	-25.00	18.86	45
6	15063.18	-52.93	5.50	14.23	Horizontal	-44.20	-25.00	19.20	90
7	17745.0	--	--	--	--	--	--	--	--
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-5A QPSK 20MHz+10MHz+10MHz CH-HIGH

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5101.24	-55.55	2.00	9.15	Horizontal	-48.40	-25.00	23.40	45
3	7651.86	-58.28	2.50	11.35	Horizontal	-49.43	-25.00	24.43	180
4	10202.48	-50.11	4.20	12.05	Horizontal	-42.26	-25.00	17.26	90
5	12753.10	-49.03	5.20	12.85	Horizontal	-41.38	-25.00	16.38	225
6	15303.72	-52.23	5.50	14.23	Horizontal	-43.50	-25.00	18.50	135
7	17745.0	--	--	--	--	--	--	--	--
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-5A QPSK 20MHz+20MHz+10MHz CH-Low

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5021.94	-56.23	2.00	10.15	Horizontal	-48.08	-25.00	23.08	270
3	7532.91	-57.75	2.50	11.35	Horizontal	-48.90	-25.00	23.90	315
4	10043.88	-51.27	4.20	12.05	Horizontal	-43.42	-25.00	18.42	45
5	12554.85	-52.46	5.20	14.85	Horizontal	-42.81	-25.00	17.81	90
6	15065.82	-47.11	5.50	13.23	Horizontal	-39.38	-25.00	14.38	45
7	17745.0	--	--	--	--	--	--	--	--
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA_7C-5A QPSK 20MHz+20MHz+10MHz CH- High

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5082.34	-56.14	2.00	10.15	Horizontal	-47.99	-25.00	22.99	225
3	7623.51	-58.25	2.50	11.35	Horizontal	-49.40	-25.00	24.40	135
4	10164.68	-50.42	4.20	12.05	Horizontal	-42.57	-25.00	17.57	180
5	12705.85	-52.22	5.20	14.85	Horizontal	-42.57	-25.00	17.57	90
6	15247.02	-50.85	5.50	13.23	Horizontal	-43.12	-25.00	18.12	270
7	17745.0	--	--	--	--	--	--	--	--
8	20280.0	--	--	--	--	--	--	--	--
9	22815.0	--	--	--	--	--	--	--	--
10	25350.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA _41A_41C QPSK 5MHz+5MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5337.22	-56.06	2.00	9.15	Horizontal	-48.91	-25	23.91	315
3	8005.83	-60.13	2.50	11.35	Horizontal	-51.28	-25	26.28	315
4	10674.44	-54.60	4.20	12.05	Horizontal	-46.75	-25	21.75	270
5	13343.05	-55.55	5.20	12.85	Horizontal	-47.90	-25	22.9	180
6	16011.66	-90.35	5.50	14.23	Horizontal	-81.62	-25	56.62	45
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA _41A_41C QPSK 5MHz+15MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5336.66	-55.96	2.00	9.15	Horizontal	-48.81	-25.00	23.81	90
3	8004.99	-48.67	2.50	11.35	Horizontal	-39.82	-25.00	14.82	225
4	10673.32	-51.42	4.20	12.05	Horizontal	-43.57	-25.00	18.57	315
5	13341.65	-50.06	5.20	12.85	Horizontal	-42.41	-25.00	17.41	45
6	16009.98	-53.00	5.50	14.23	Horizontal	-44.27	-25.00	19.27	180
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA _41A_41C QPSK 5MHz+15MHz+15MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5320.40	-58.62	2.00	10.15	Horizontal	-50.47	-25.00	25.47	90
3	7980.60	-49.60	2.50	11.35	Horizontal	-40.75	-25.00	15.75	135
4	10640.80	-53.31	4.20	12.05	Horizontal	-45.46	-25.00	20.46	45
5	13301.00	-52.95	5.20	14.85	Horizontal	-43.30	-25.00	18.30	225
6	15961.20	-51.66	5.50	13.23	Horizontal	-43.93	-25.00	18.93	0
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA _41A_41C QPSK 20MHz+5MHz+20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5336.60	-59.58	2.00	10.15	Horizontal	-51.43	-25.00	26.43	225
3	8004.90	-47.86	2.50	11.35	Horizontal	-39.01	-25.00	14.01	135
4	10673.20	-50.09	4.20	12.05	Horizontal	-42.24	-25.00	17.24	180
5	13341.50	-51.57	5.20	14.85	Horizontal	-41.92	-25.00	16.92	45
6	16009.80	-50.21	5.50	13.23	Horizontal	-42.48	-25.00	17.48	90
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

CA _41A_41C QPSK 20MHz+20MHz+5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5350.00	-60.56	2.00	10.15	Horizontal	-52.41	-25.00	27.41	90
3	8025.00	-54.90	2.50	11.35	Horizontal	-46.05	-25.00	21.05	270
4	10700.00	-51.95	4.20	12.05	Horizontal	-44.10	-25.00	19.10	225
5	13375.00	-52.54	5.20	14.85	Horizontal	-42.89	-25.00	17.89	315
6	16050.00	-51.10	5.50	13.23	Horizontal	-43.37	-25.00	18.37	45
7	18151.00	--	--	--	--	--	--	--	--
8	20744.00	--	--	--	--	--	--	--	--
9	23337.00	--	--	--	--	--	--	--	--
10	25930.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									