

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23060	704	23.98	-2.9	18.93	78.16	3
23095	707.5	24.11	-2.9	19.06	80.54	3
23130	711	23.88	-2.9	18.83	76.38	3

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23060	704	22.75	-2.9	17.7	58.88	3
23095	707.5	23.01	-2.9	17.96	62.52	3
23130	711	23.1	-2.9	18.05	63.83	3

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23060	704	22.09	-2.9	17.04	50.58	3
23095	707.5	22.04	-2.9	16.99	50	3
23130	711	22.04	-2.9	16.99	50	3

REMARKS: ERP Output Power (dBm) = ERP (dBm) -2.15(dB).



**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

LTE BAND 13

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23205	779.5	23.98	-3	18.83	76.38	3
23230	782	24.01	-3	18.86	76.91	3
23255	784.5	23.99	-3	18.84	76.56	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23205	779.5	22.86	-3	17.71	59.02	3
23230	782	22.92	-3	17.77	59.84	3
23255	784.5	22.91	-3	17.76	59.7	3

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23205	779.5	22.41	-3	17.26	53.21	3
23230	782	22.37	-3	17.22	52.72	3
23255	784.5	22.47	-3	17.32	53.95	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23230	782	24.08	-3	18.93	78.16	3
-	-	-	-	-	-	-

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23230	782	23.51	-3	18.36	68.55	3
-	-	-	-	-	-	-

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23230	782	22.23	-3	17.08	51.05	3
-	-	-	-	-	-	-

REMARKS: ERP Output Power (dBm) = ERP (dBm) -2.15(dB).

LTE BAND 17

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23755	706.5	23.96	-3.1	18.71	74.30	3
23790	710	23.74	-3.1	18.49	70.63	3
23825	713.5	23.93	-3.1	18.68	73.79	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23755	706.5	23.15	-3.1	17.9	61.66	3
23790	710	22.91	-3.1	17.66	58.34	3
23825	713.5	22.97	-3.1	17.72	59.16	3

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23755	706.5	22.23	-3.1	16.98	49.89	3
23790	710	22.18	-3.1	16.93	49.32	3
23825	713.5	22.26	-3.1	17.01	50.23	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23780	709	24	-3.1	18.75	74.99	3
23790	710	23.81	-3.1	18.56	71.78	3
23800	711	23.95	-3.1	18.7	74.13	3

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23780	709	23.17	-3.1	17.92	61.94	3
23790	710	22.93	-3.1	17.68	58.61	3
23800	711	23.02	-3.1	17.77	59.84	3



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CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23780	709	22.3	-3.1	17.05	50.7	3
23790	710	22.23	-3.1	16.98	49.89	3
23800	711	22.28	-3.1	17.03	50.47	3

REMARKS: ERP Output Power (dBm) = ERP (dBm) -2.15(dB).



**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

LTE BAND 66

CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	24.01	-0.5	23.51	224.39	1
132322	1745	24.14	-0.5	23.64	231.21	1
132665	1779.3	24.15	-0.5	23.65	231.74	1

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	23.08	-0.5	22.58	181.13	1
132322	1745	23.45	-0.5	22.95	197.24	1
132665	1779.3	23.17	-0.5	22.67	184.93	1

CHANNEL BANDWIDTH: 1.4MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	22.11	-0.5	21.61	144.88	1
132322	1745	22.39	-0.5	21.89	154.53	1
132665	1779.3	22.27	-0.5	21.77	150.31	1

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	23.85	-0.5	23.35	216.27	1
132322	1745	24.13	-0.5	23.63	230.67	1
132657	1778.5	24.01	-0.5	23.51	224.39	1

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	23.05	-0.5	22.55	179.89	1
132322	1745	23.43	-0.5	22.93	196.34	1
132657	1778.5	23.23	-0.5	22.73	187.5	1

CHANNEL BANDWIDTH: 3MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	21.87	-0.5	21.37	137.09	1
132322	1745	22.22	-0.5	21.72	148.59	1
132657	1778.5	22.04	-0.5	21.54	142.56	1

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	23.46	-0.5	22.96	197.70	1
132322	1745	23.74	-0.5	23.24	210.86	1
132647	1777.5	23.56	-0.5	23.06	202.30	1

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	22.62	-0.5	22.12	162.93	1
132322	1745	23.02	-0.5	22.52	178.65	1
132647	1777.5	22.82	-0.5	22.32	170.61	1

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	21.41	-0.5	20.91	123.31	1
132322	1745	21.83	-0.5	21.33	135.83	1
132647	1777.5	21.61	-0.5	21.11	129.12	1

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	23.44	-0.5	22.94	196.79	1
132322	1745	23.74	-0.5	23.24	210.86	1
132622	1775	23.59	-0.5	23.09	203.70	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	22.67	-0.5	22.17	164.82	1
132322	1745	23.05	-0.5	22.55	179.89	1
132622	1775	22.78	-0.5	22.28	169.04	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	21.45	-0.5	20.95	124.45	1
132322	1745	21.8	-0.5	21.3	134.9	1
132622	1775	21.62	-0.5	21.12	129.42	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	23.5	-0.5	23	199.53	1
132322	1745	23.71	-0.5	23.21	209.41	1
132597	1772.5	23.59	-0.5	23.09	203.70	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1715	22.66	-0.5	22.16	164.44	1
132322	1745	23.05	-0.5	22.55	179.89	1
132622	1775	22.83	-0.5	22.33	171	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1715	21.46	-0.5	20.96	124.74	1
132322	1745	21.82	-0.5	21.32	135.52	1
132622	1775	21.63	-0.5	21.13	129.72	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	23.91	-0.5	23.41	219.28	1
132322	1745	24.19	-0.5	23.69	233.88	1
132572	1770	24.03	-0.5	23.53	225.42	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	23.1	-0.5	22.6	181.97	1
132322	1745	23.47	-0.5	22.97	198.15	1
132572	1770	23.24	-0.5	22.74	187.93	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	21.88	-0.5	21.38	137.4	1
132322	1745	22.25	-0.5	21.75	149.62	1
132572	1770	22.06	-0.5	21.56	143.22	1

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

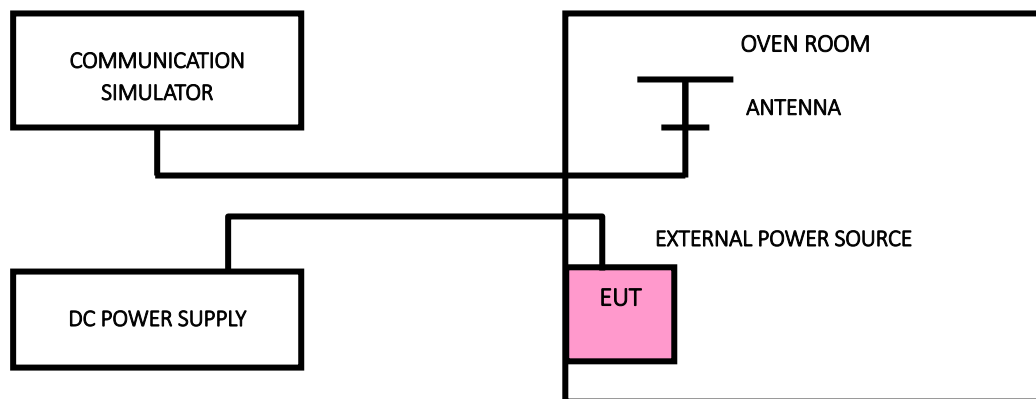
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP





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3.2.4 TEST RESULTS

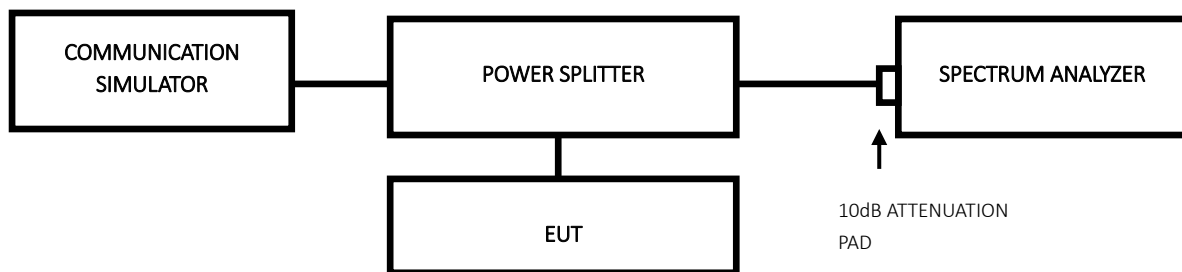
Please Refer to Appendix Of this test report.

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

- The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.



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3.3.4 TEST RESULTS

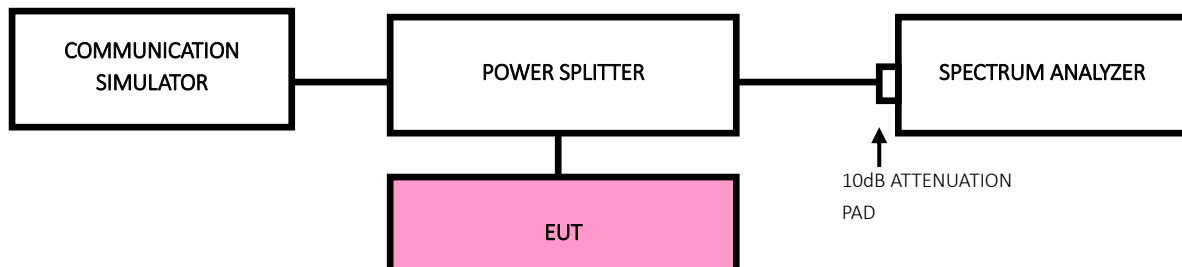
Please Refer to Appendix Of this test report.

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC 27.53(m)(4) specified that For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

- a. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with R&S Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.).
- b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- c. The center frequency of spectrum is the band edge frequency and span is 35MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (Channel bandwidth 5MHz).
- d. The center frequency of spectrum is the band edge frequency and span is 50MHz. RBW of the spectrum is 200kHz and VBW of the spectrum is 1MHz (Channel bandwidth 10MHz).
- e. The center frequency of spectrum is the band edge frequency and span is 60MHz. RBW of the spectrum is 300kHz and VBW of the spectrum is 1MHz (Channel bandwidth 15MHz).
- f. The center frequency of spectrum is the band edge frequency and span is 80MHz. RBW of the spectrum is 500kHz and VBW of the spectrum is 2MHz (Channel bandwidth 20MHz).
- g. Record the max trace plot into the test report.



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3.4.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

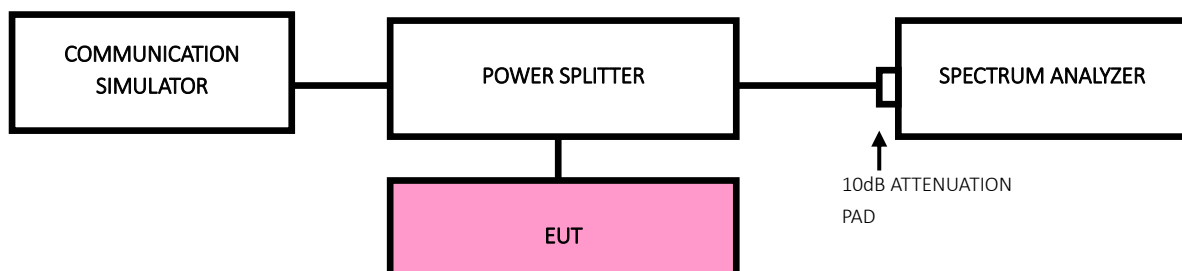
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm.

3.5.2 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 30MHz~27GHz for LTE Band 7 & 30MHz~26.2GHz for LTE Band 38, 30MHz~27GHz for LTE Band 41. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz are used for conducted emission measurement.

3.5.3 TEST SETUP





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3.5.4 TEST RESULTS

Please Refer to Appendix Of this test report.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm.

3.6.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi}$.

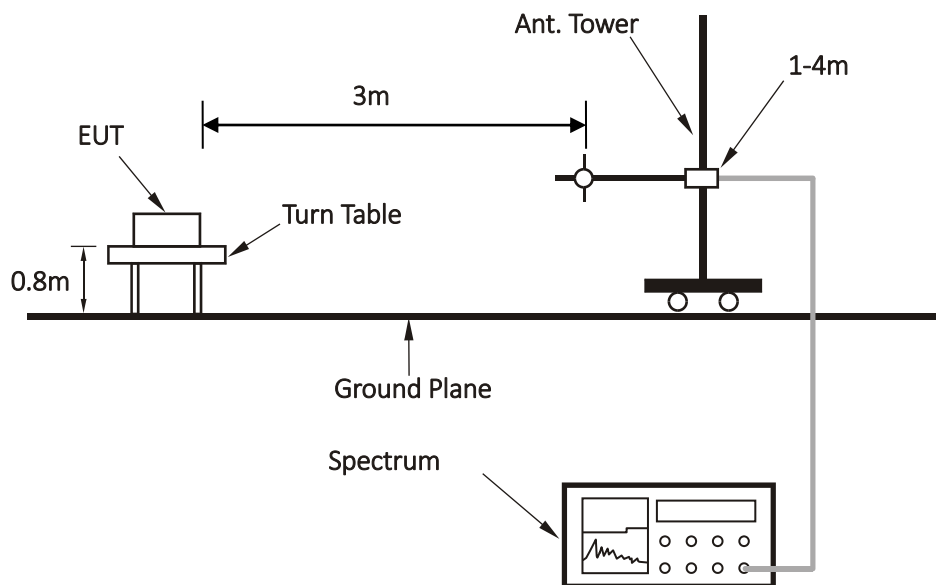
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

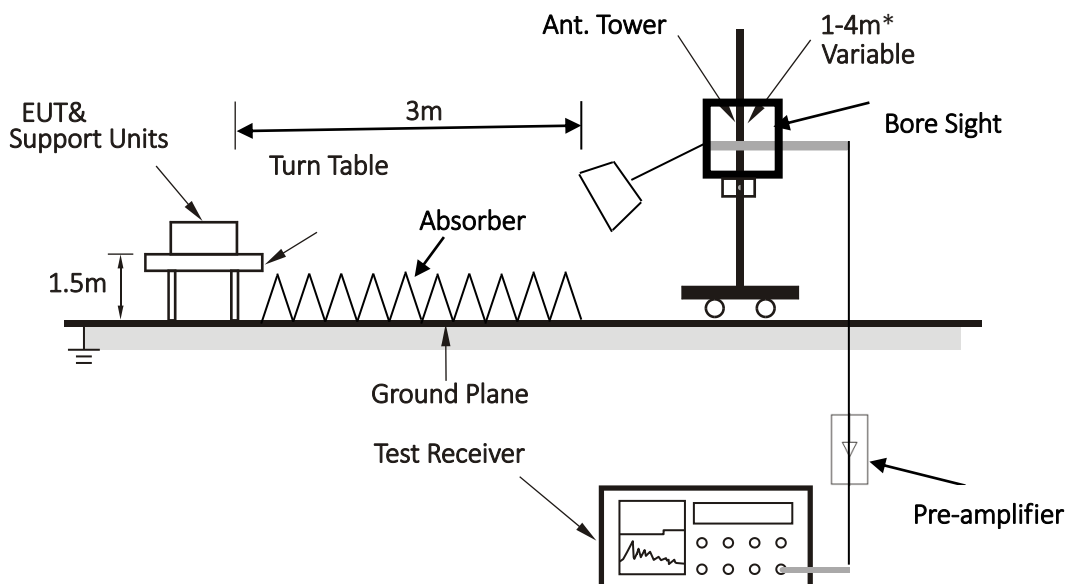
No deviation

3.6.4 TEST SETUP

< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6.5 TEST RESULTS

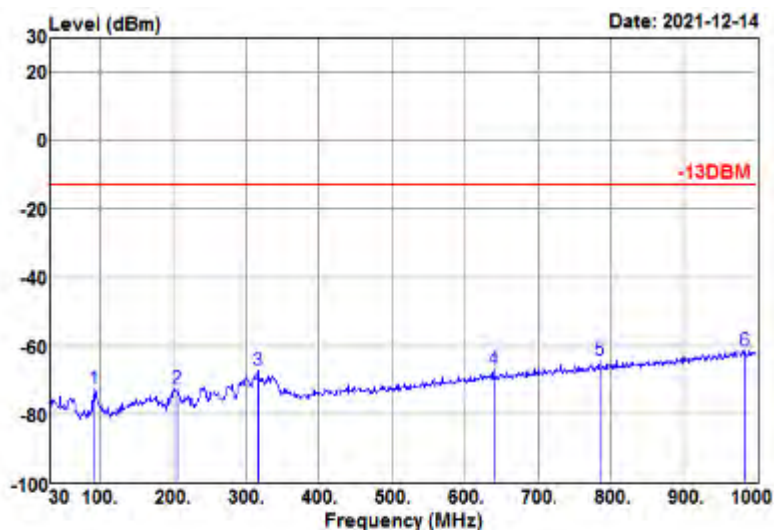
BELOW 1GHz WORST-CASE DATA

30 MHz – 1GHz data:

LTE Band 7

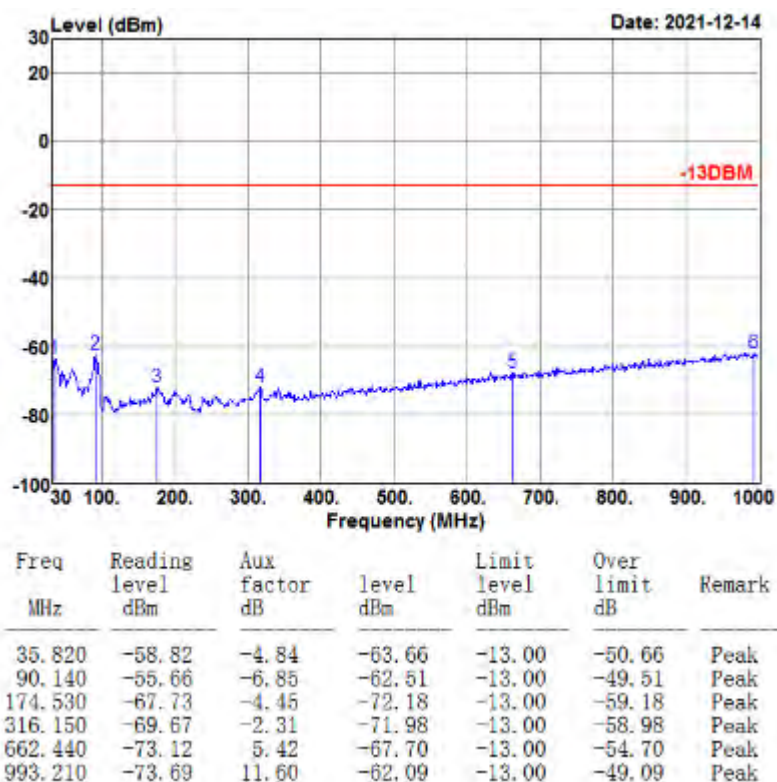
CHANNEL BANDWIDTH: 5Hz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
93.050	-65.91	-6.80	-72.71	-13.00	-59.71	Peak
205.570	-66.47	-6.19	-72.66	-13.00	-59.66	Peak
316.150	-65.30	-2.16	-67.46	-13.00	-54.46	Peak
639.160	-72.33	5.30	-67.03	-13.00	-54.03	Peak
784.660	-72.36	7.93	-64.43	-13.00	-51.43	Peak
983.510	-73.35	11.81	-61.54	-13.00	-48.54	Peak

MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





**BUREAU
VERITAS**

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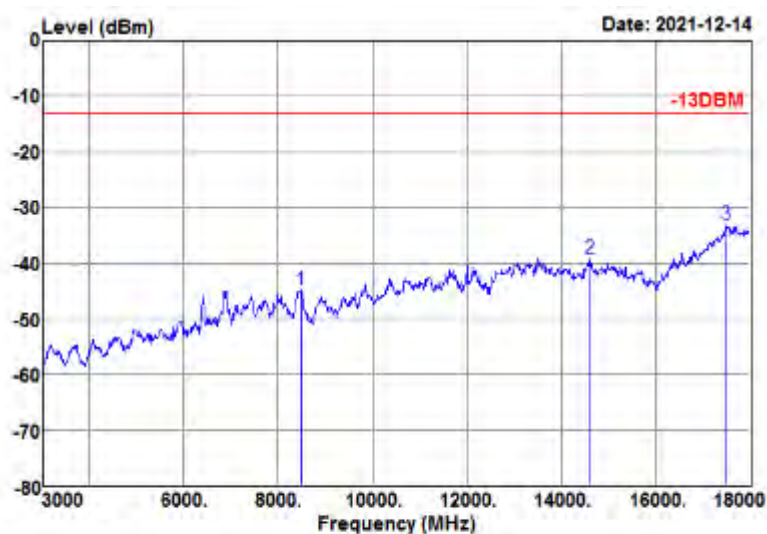
ABOVE 1GHz

Note: For higher frequency, the emission is too low to be detected.

WCDMA Band IV:

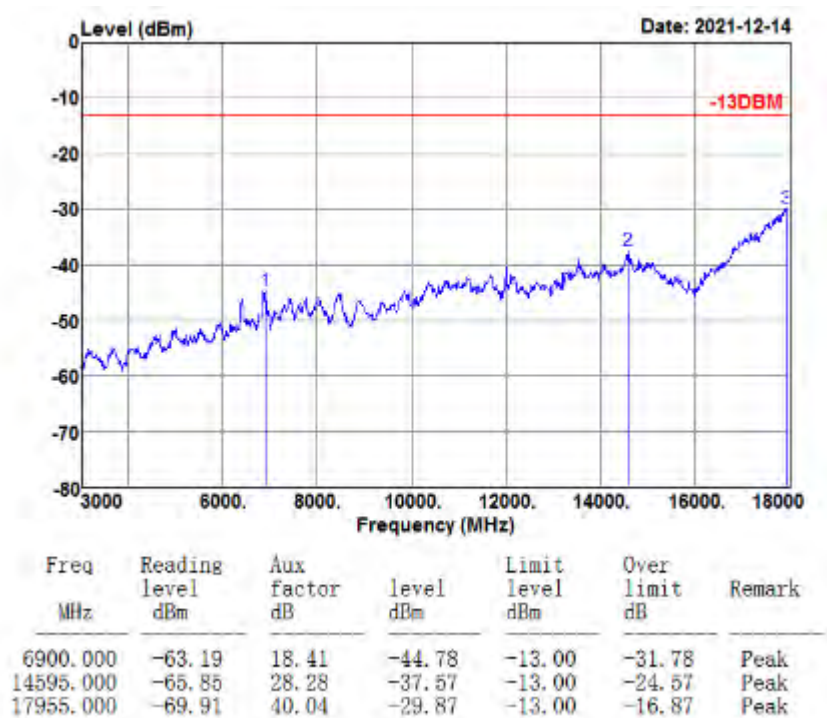
CH 1312

MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



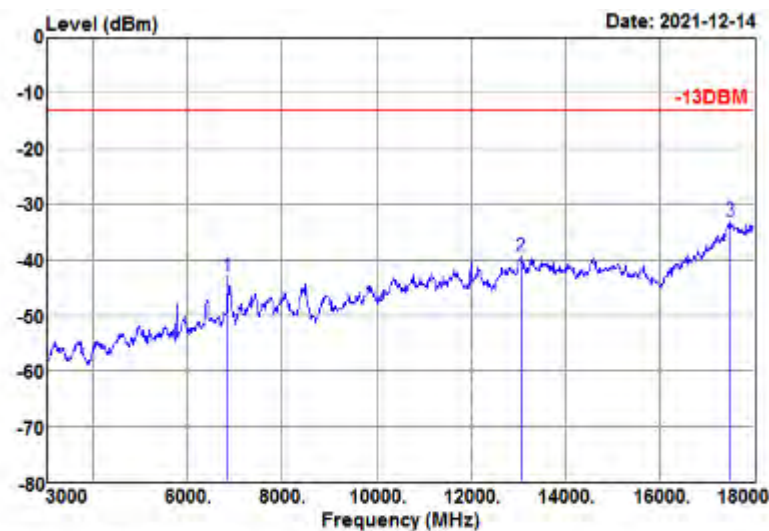
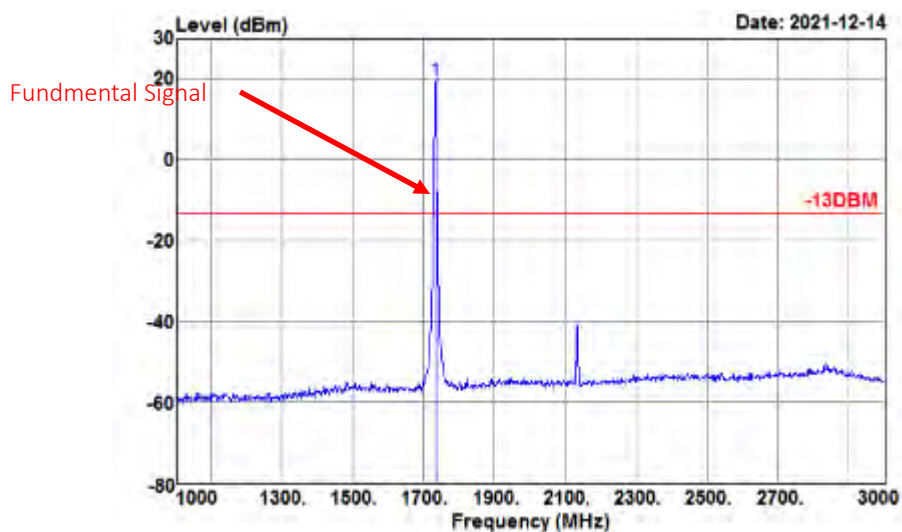
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
8475.000	-63.94	19.21	-44.73	-13.00	-31.73	Peak
14610.000	-65.76	26.56	-39.20	-13.00	-26.20	Peak
17505.000	-68.79	35.81	-32.98	-13.00	-19.98	Peak

MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



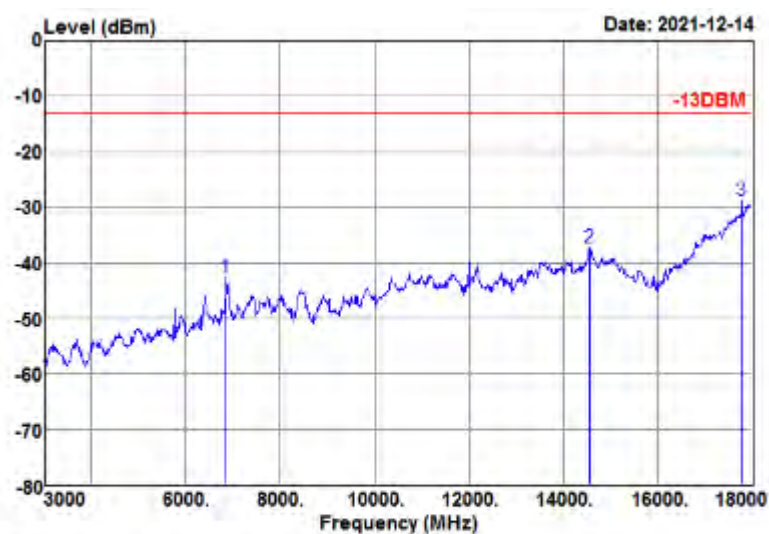
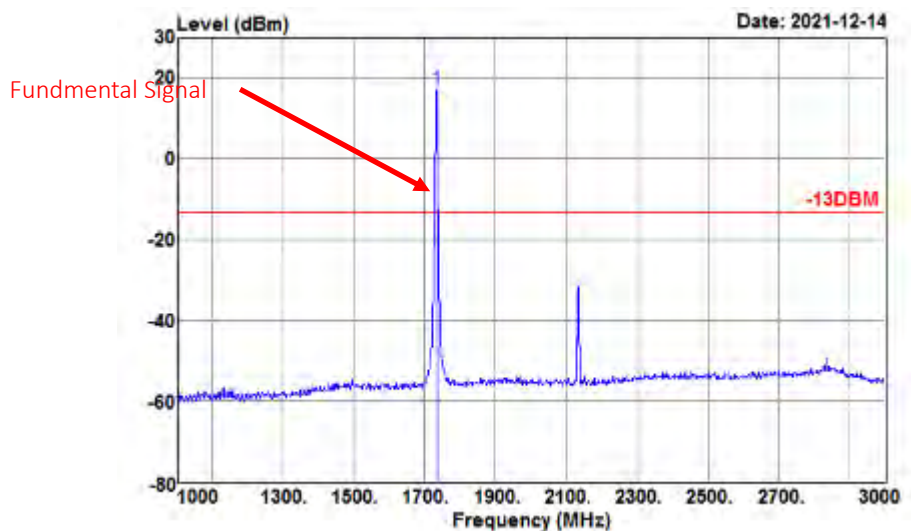
CH 1413

MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-60.90	17.86	-43.04	-13.00	-30.04	Peak
13050.000	-68.09	28.66	-39.43	-13.00	-26.43	Peak
17505.000	-68.93	35.81	-33.12	-13.00	-20.12	Peak

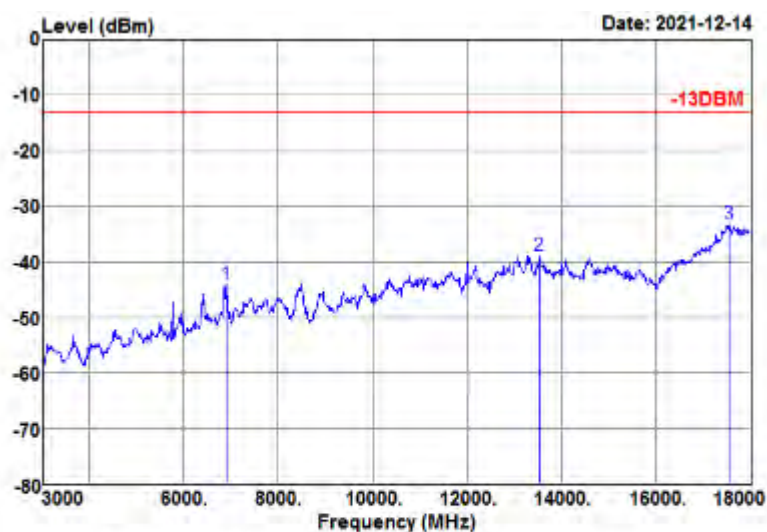
MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6855.000	-60.88	18.25	-42.63	-13.00	-29.63	Peak
14550.000	-65.62	28.23	-37.39	-13.00	-24.39	Peak
17790.000	-67.52	38.70	-28.82	-13.00	-15.82	Peak

CH 1513

MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



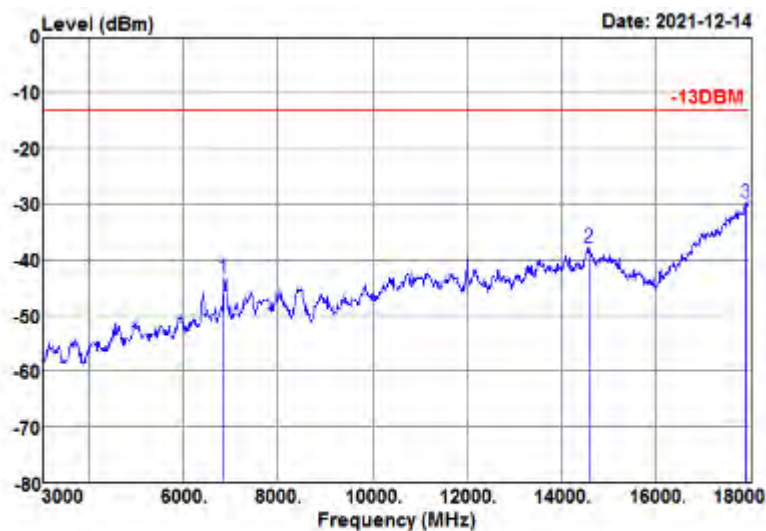
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.16	18.08	-44.08	-13.00	-31.08	Peak
13545.000	-67.17	28.31	-38.86	-13.00	-25.86	Peak
17550.000	-68.94	35.75	-33.19	-13.00	-20.19	Peak



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Test Report No.: W7L-P21100018-1RF06

MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-61.39	18.20	-43.19	-13.00	-30.19	Peak
14595.000	-66.14	28.28	-37.86	-13.00	-24.86	Peak
17910.000	-69.46	39.67	-29.79	-13.00	-16.79	Peak



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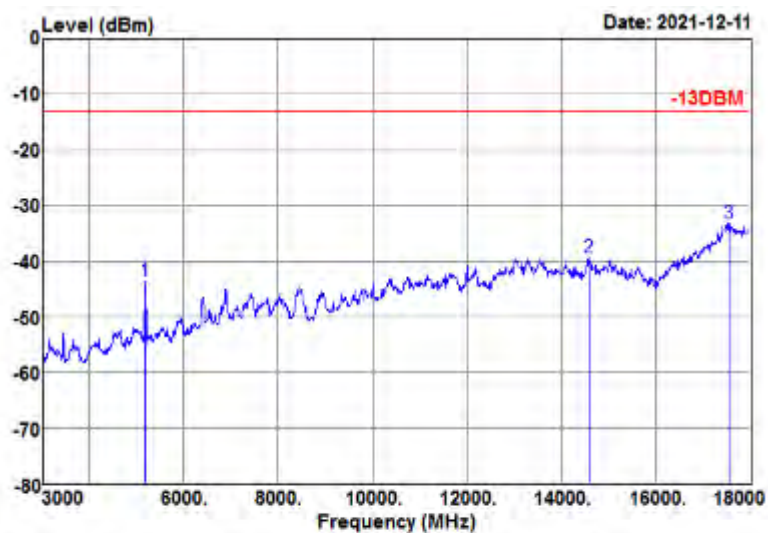
Test Report No.: W7L-P21100018-1RF06

LTE Band 4

CHANNEL BANDWIDTH: 1.4MHz / QPSK

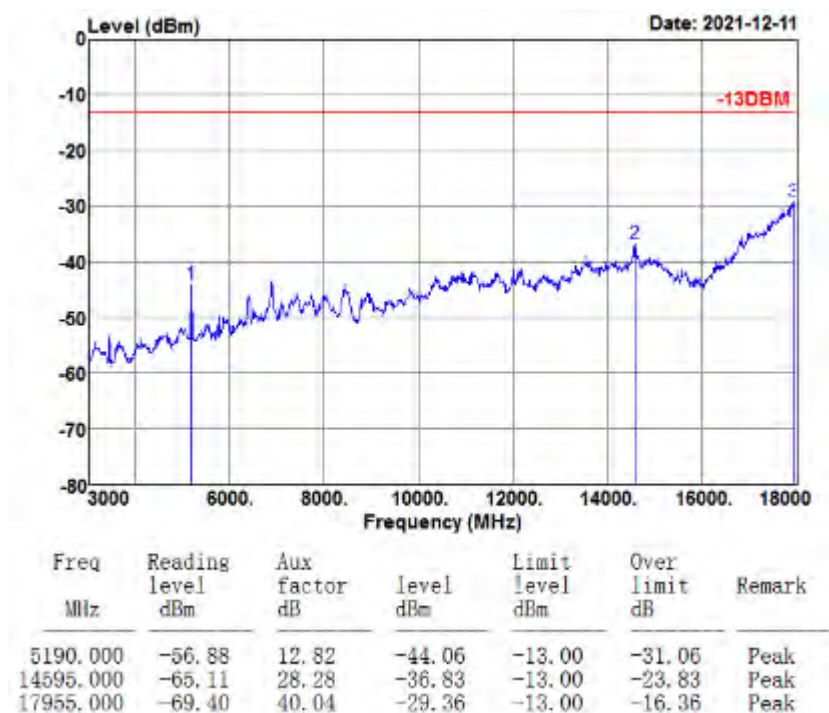
CH 20175

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5190.000	-56.23	12.56	-43.67	-13.00	-30.67	Peak
14580.000	-66.01	26.50	-39.51	-13.00	-26.51	Peak
17550.000	-69.07	35.75	-33.32	-13.00	-20.32	Peak

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





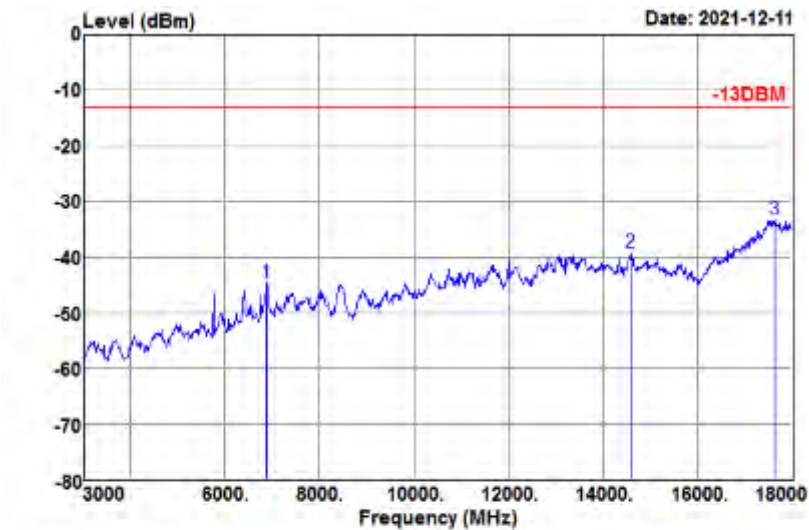
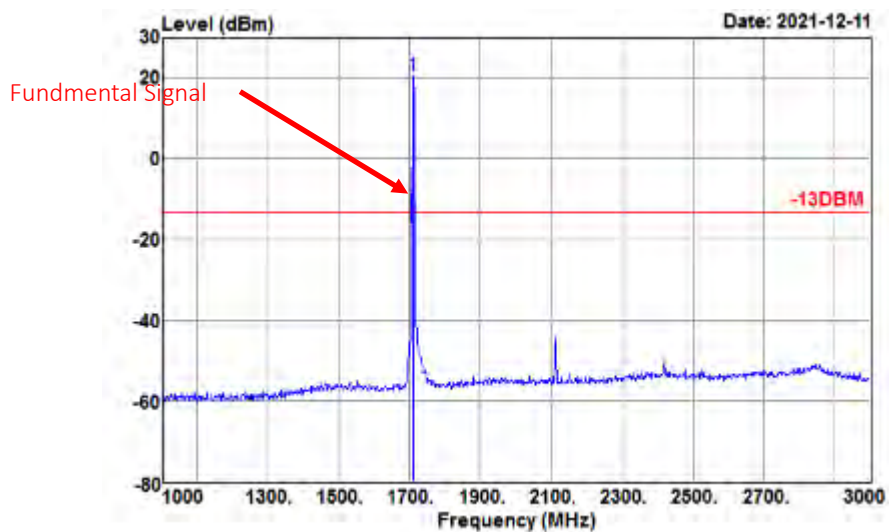
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Test Report No.: W7L-P21100018-1RF06

CHANNEL BANDWIDTH: 3MHz / QPSK

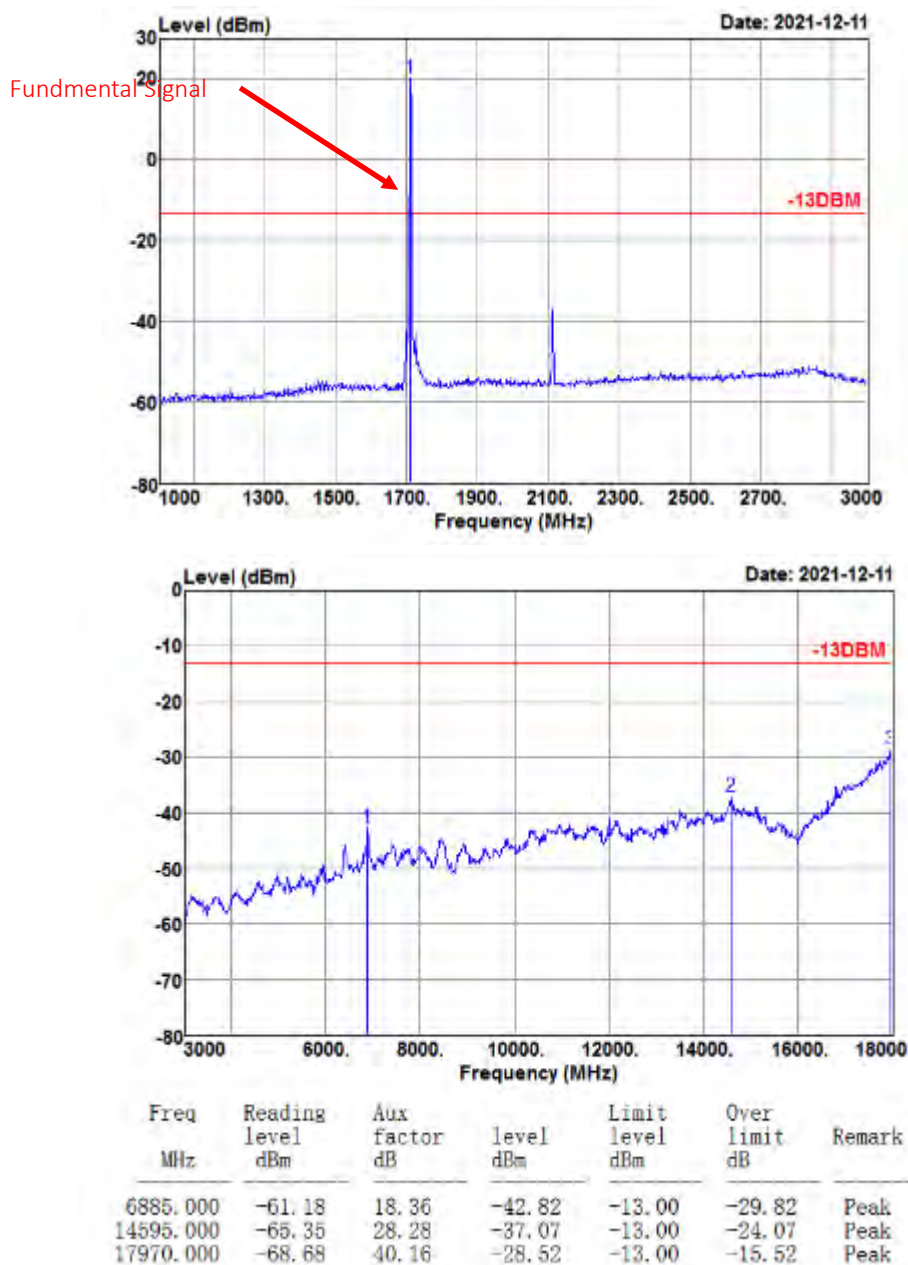
CH 19965

MODE	TX channel 19965	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6885.000	-62.73	18.03	-44.70	-13.00	-31.70	Peak
14595.000	-65.64	26.53	-39.11	-13.00	-26.11	Peak
17640.000	-68.82	35.62	-33.20	-13.00	-20.20	Peak

MODE	TX channel 19965	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



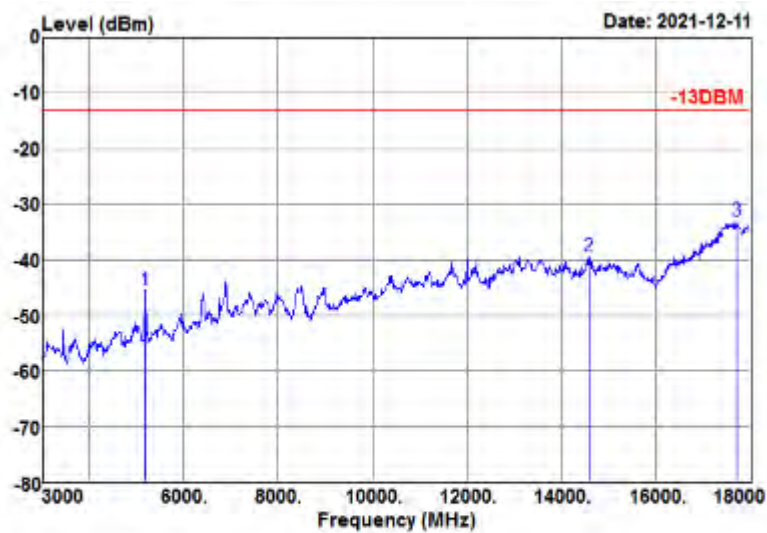


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Test Report No.: W7L-P21100018-1RF06

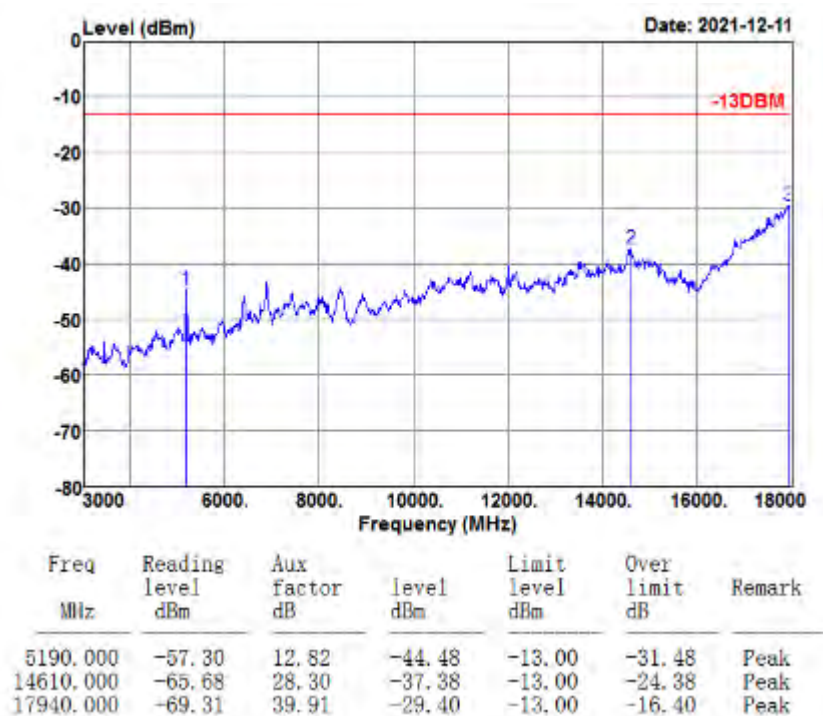
CH 20175

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5190.000	-58.13	12.56	-45.57	-13.00	-32.57	Peak
14595.000	-65.94	26.53	-39.41	-13.00	-26.41	Peak
17715.000	-68.53	35.51	-33.02	-13.00	-20.02	Peak

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



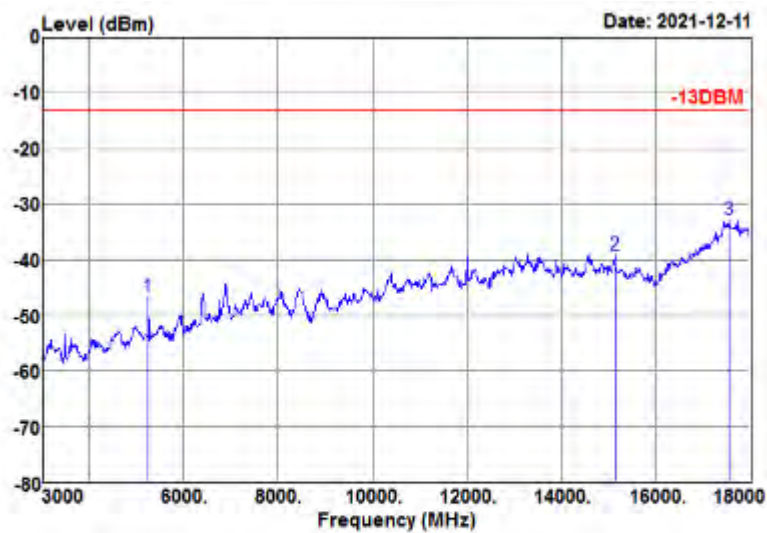


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Test Report No.: W7L-P21100018-1RF06

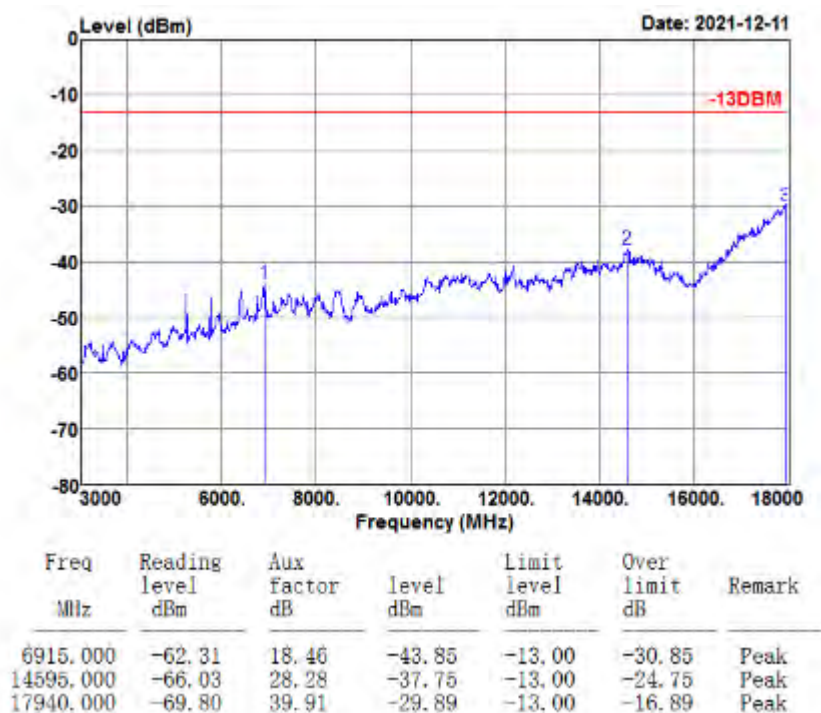
CH 20385

MODE	TX channel 20385	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5250.000	-59.31	12.70	-46.61	-13.00	-33.61	Peak
15135.000	-66.46	27.31	-39.15	-13.00	-26.15	Peak
17550.000	-68.58	35.75	-32.83	-13.00	-19.83	Peak

MODE	TX channel 20385	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





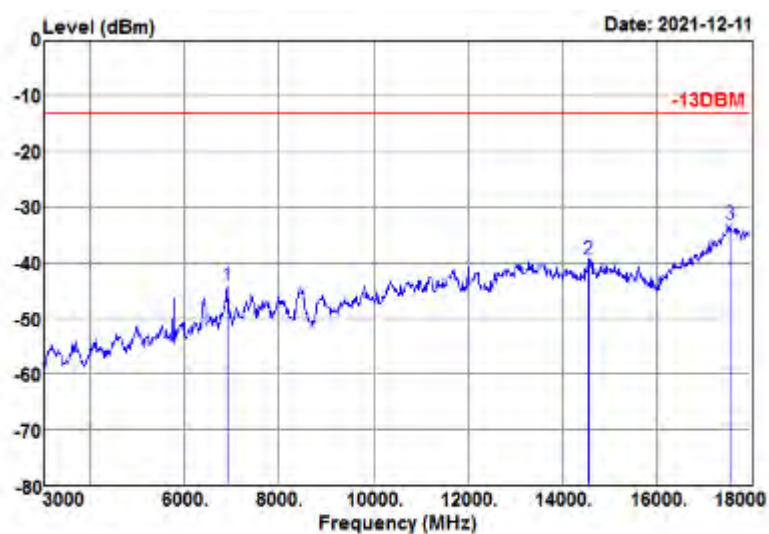
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Test Report No.: W7L-P21100018-1RF06

CHANNEL BANDWIDTH: 5MHz / QPSK

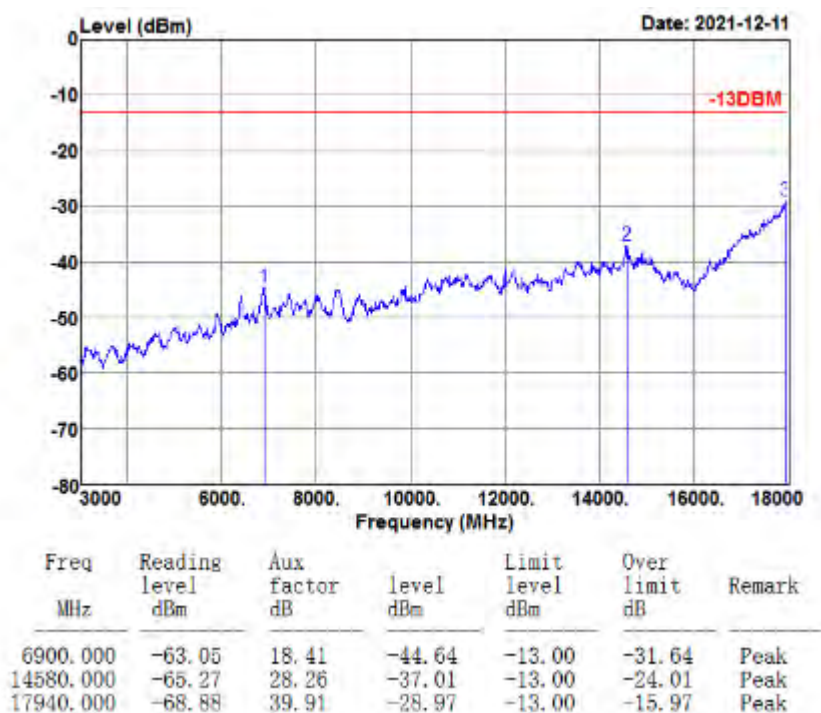
CH 20175

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.25	18.08	-44.17	-13.00	-31.17	Peak
14565.000	-65.86	26.46	-39.40	-13.00	-26.40	Peak
17550.000	-68.70	35.75	-32.95	-13.00	-19.95	Peak

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



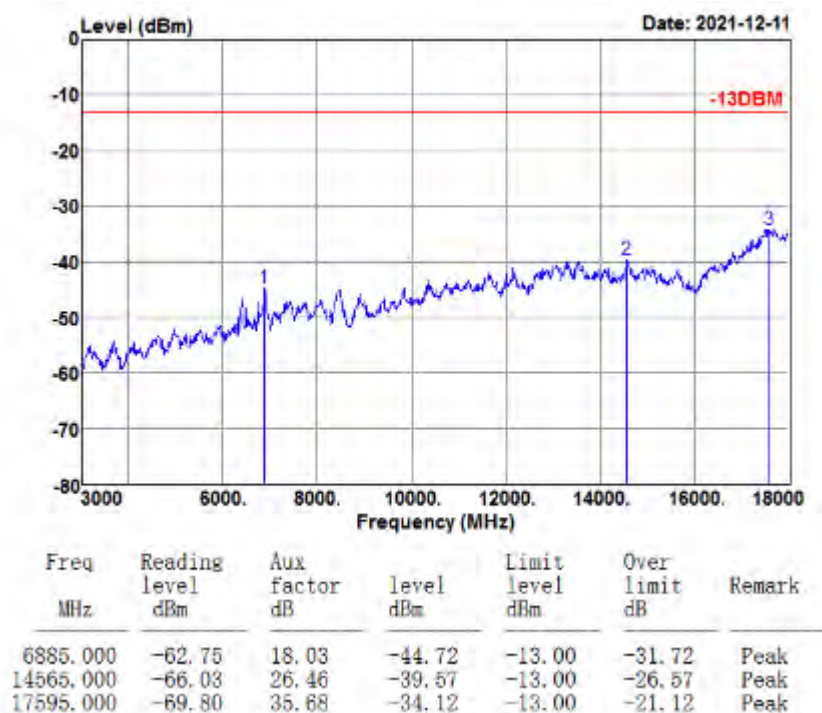


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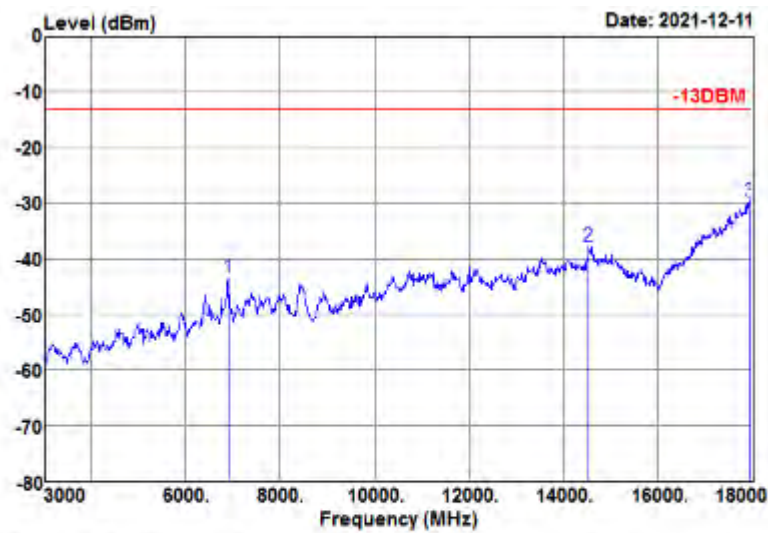
Test Report No.: W7L-P21100018-1RF06

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-61.82	18.41	-43.41	-13.00	-30.41	Peak
14535.000	-66.07	28.21	-37.86	-13.00	-24.86	Peak
17940.000	-69.65	39.91	-29.74	-13.00	-16.74	Peak

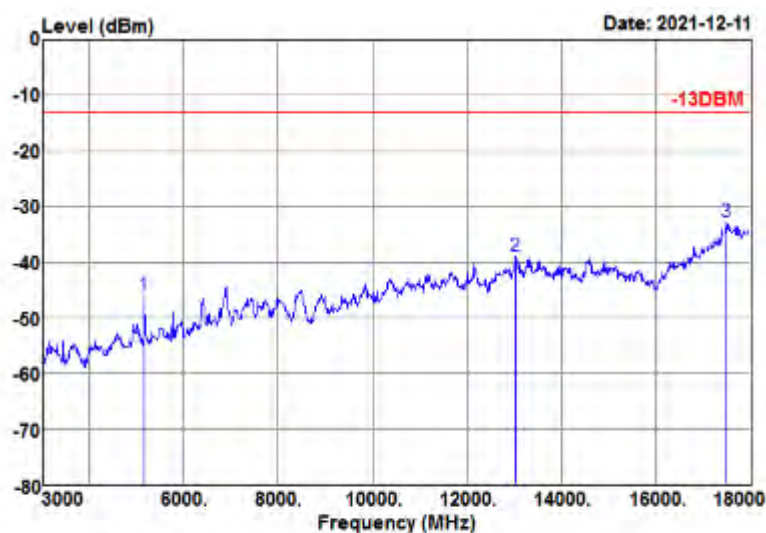


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Test Report No.: W7L-P21100018-1RF06

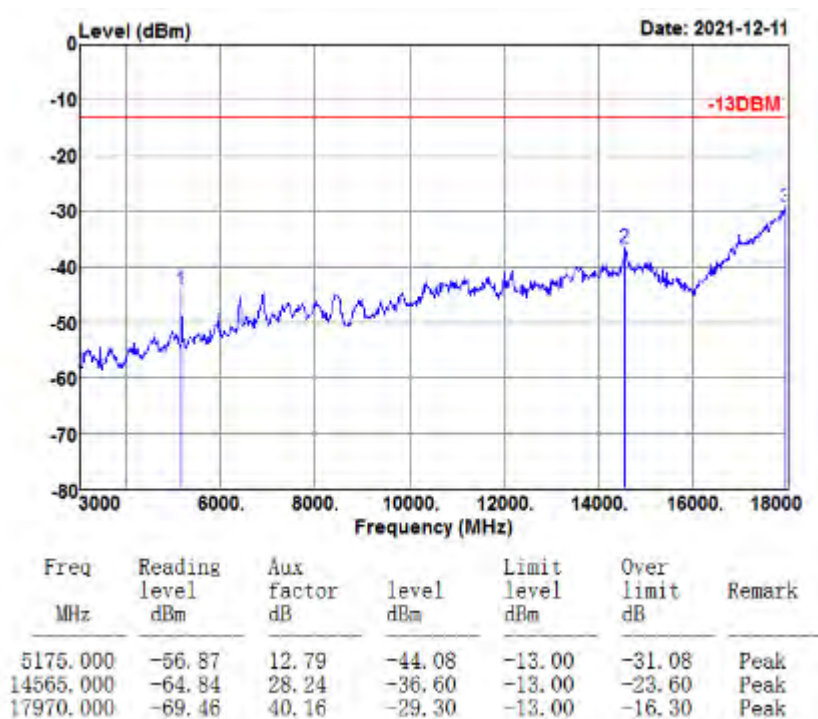
CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5175.000	-58.43	12.53	-45.90	-13.00	-32.90	Peak
13035.000	-67.60	28.66	-38.94	-13.00	-25.94	Peak
17505.000	-68.71	35.81	-32.90	-13.00	-19.90	Peak

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





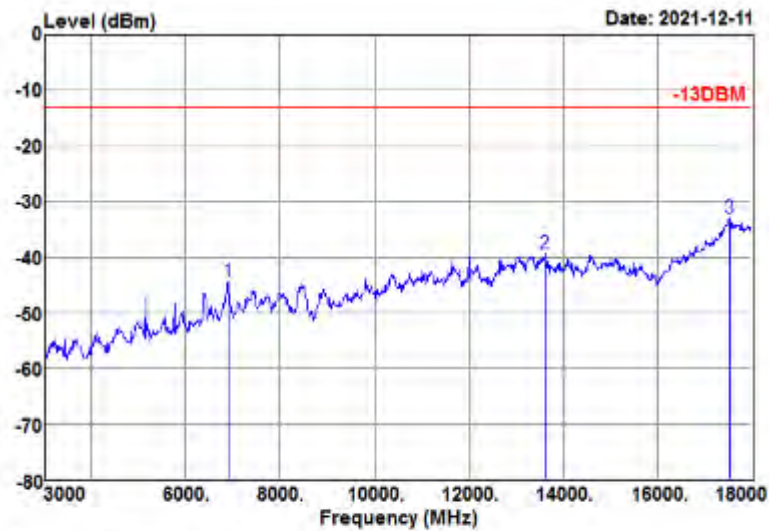
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Test Report No.: W7L-P21100018-1RF06

CHANNEL BANDWIDTH: 20MHz / QPSK

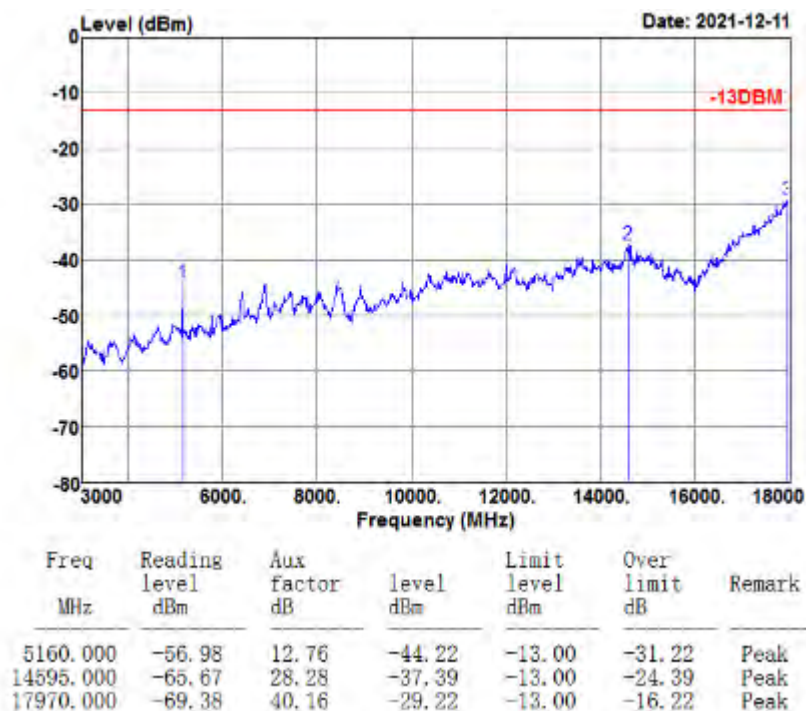
CH 20175

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



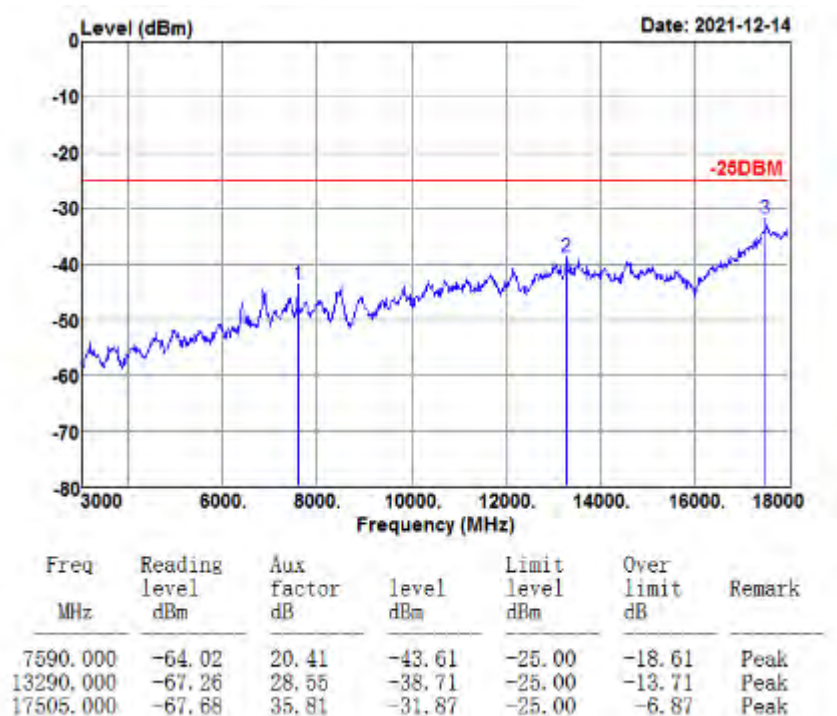
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6900.000	-62.54	18.08	-44.46	-13.00	-31.46	Peak
13605.000	-67.61	28.11	-39.50	-13.00	-26.50	Peak
17520.000	-68.84	35.79	-33.05	-13.00	-20.05	Peak

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

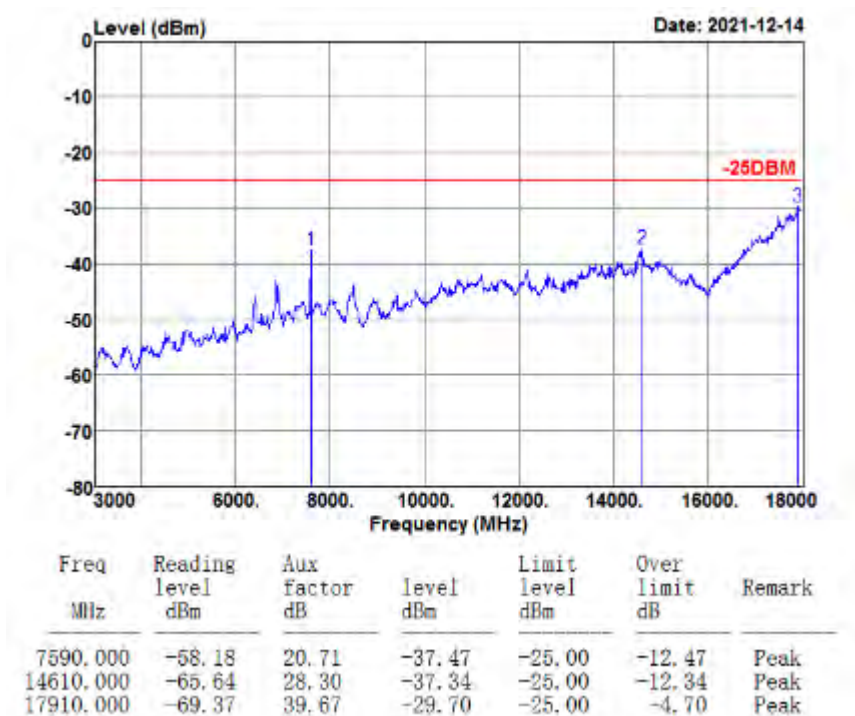


LTE Band 7
CHANNEL BANDWIDTH: 5MHz / QPSK
CH 21100

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

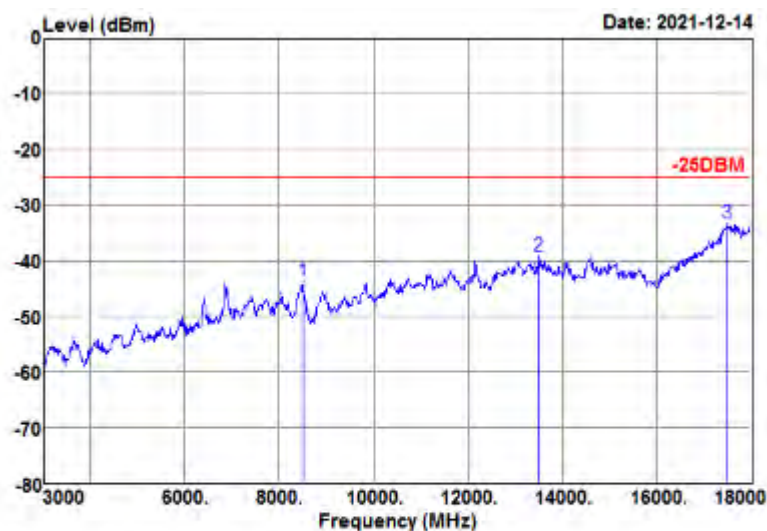


MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



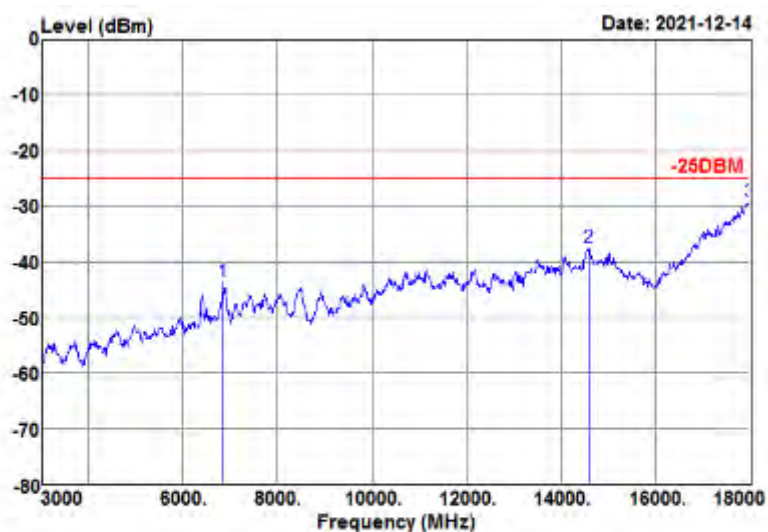
**CHANNEL BANDWIDTH: 10MHz / QPSK
CH20800**

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
8505.000	-62.98	19.22	-43.76	-25.00	-18.76	Peak
13500.000	-67.51	28.46	-39.05	-25.00	-14.05	Peak
17505.000	-69.07	35.81	-33.26	-25.00	-8.26	Peak

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6855.000	-61.96	18.25	-43.71	-25.00	-18.71	Peak
14580.000	-65.87	28.26	-37.61	-25.00	-12.61	Peak
17985.000	-69.56	40.28	-29.28	-25.00	-4.28	Peak

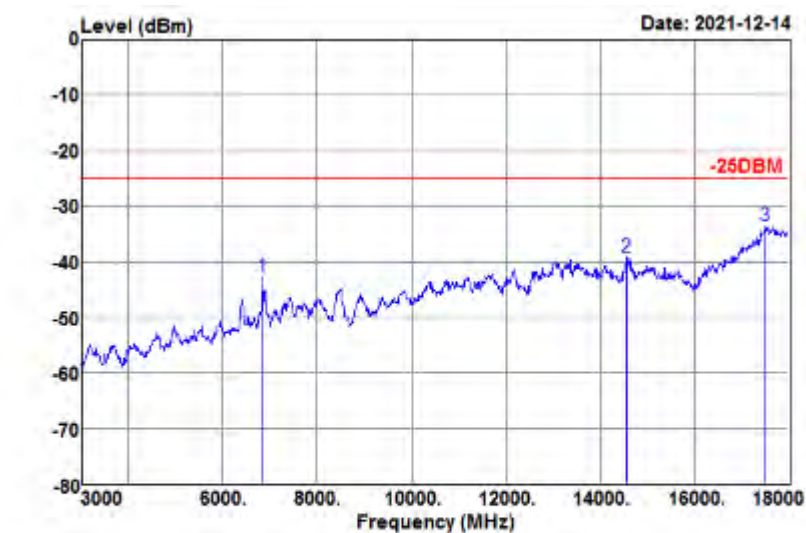
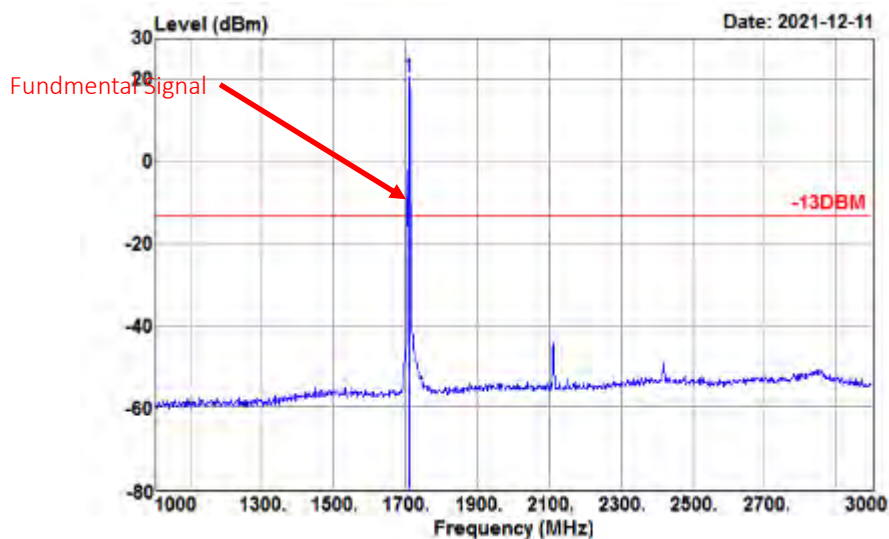


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Test Report No.: W7L-P21100018-1RF06

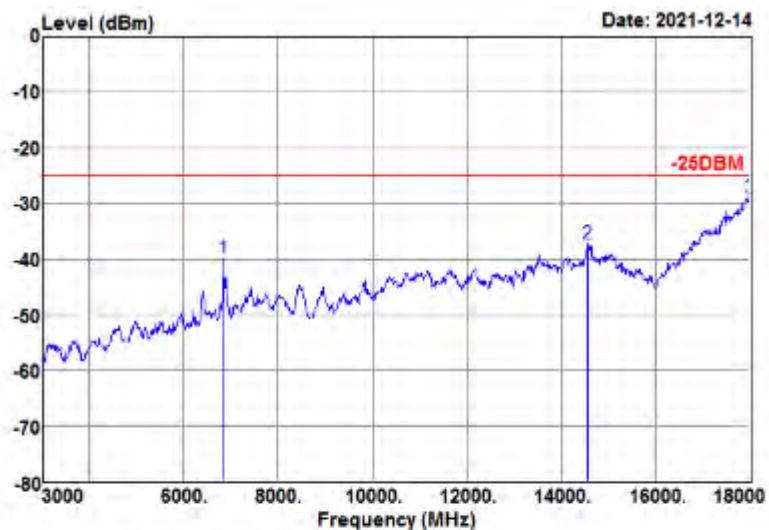
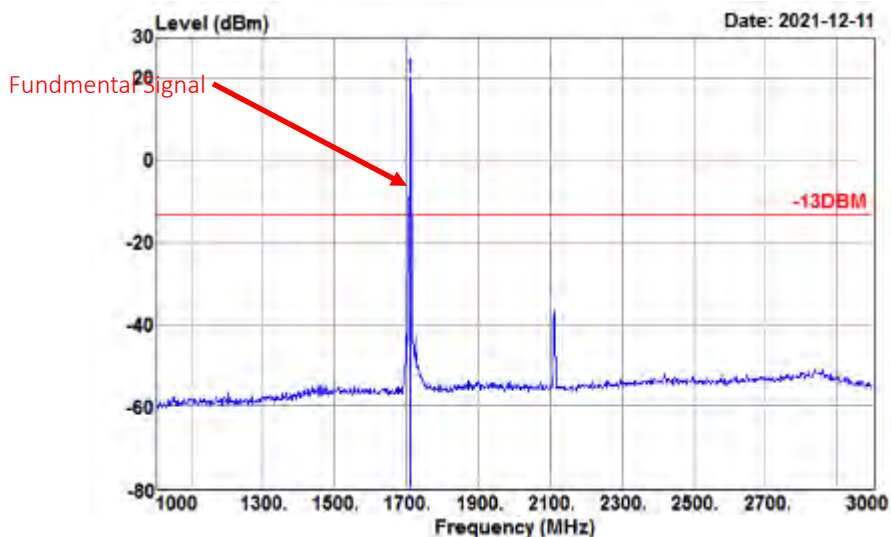
CH 21100

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-60.63	17.86	-42.77	-25.00	-17.77	Peak
14565.000	-65.64	26.46	-39.18	-25.00	-14.18	Peak
17505.000	-69.42	35.81	-33.61	-25.00	-8.61	Peak

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-58.14	18.20	-39.94	-25.00	-14.94	Peak
14565.000	-65.57	28.24	-37.33	-25.00	-12.33	Peak
17985.000	-69.36	40.28	-29.08	-25.00	-4.08	Peak

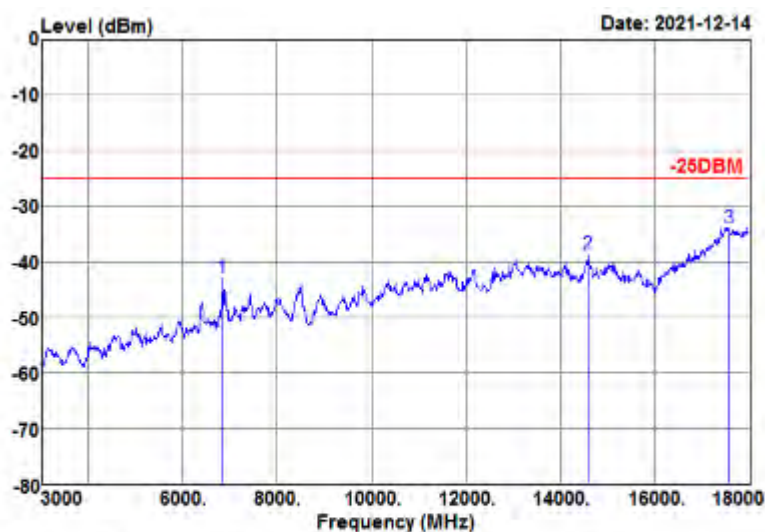


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Test Report No.: W7L-P21100018-1RF06

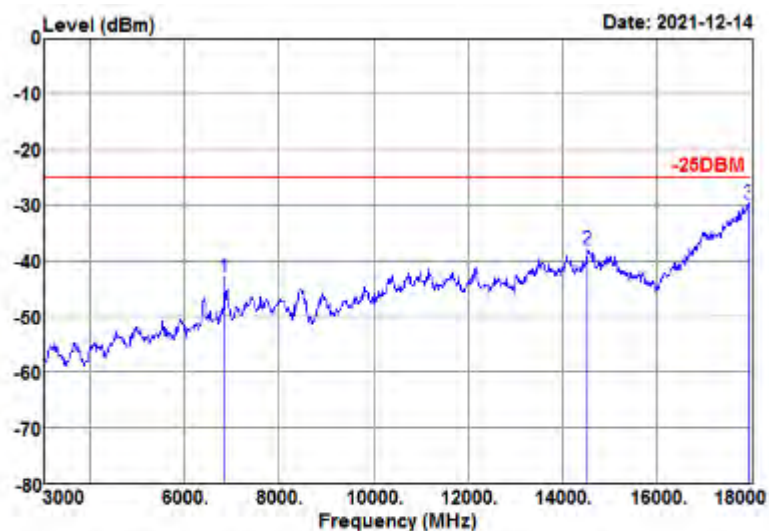
CH 21400

MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6855.000	-60.81	17.91	-42.90	-25.00	-17.90	Peak
14595.000	-65.12	26.53	-38.59	-25.00	-13.59	Peak
17580.000	-69.58	35.70	-33.88	-25.00	-8.88	Peak

MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-61.18	18.20	-42.98	-25.00	-17.98	Peak
14520.000	-66.21	28.19	-38.02	-25.00	-13.02	Peak
17955.000	-69.71	40.04	-29.67	-25.00	-4.67	Peak

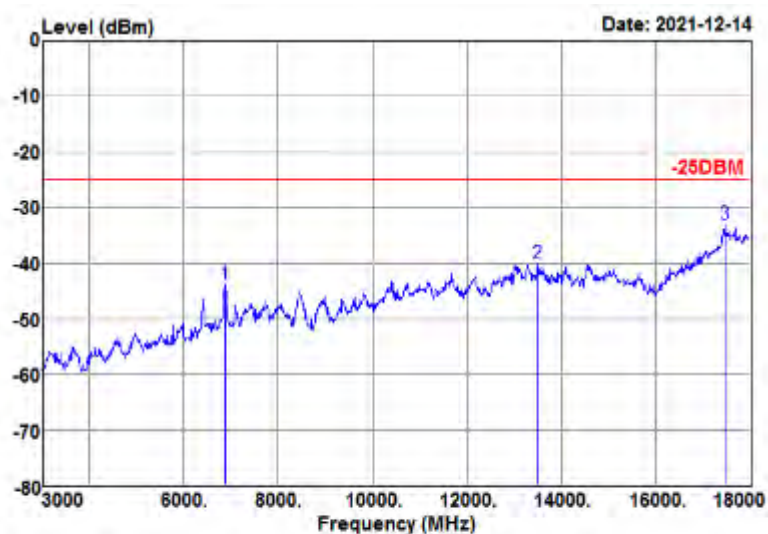


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Test Report No.: W7L-P21100018-1RF06

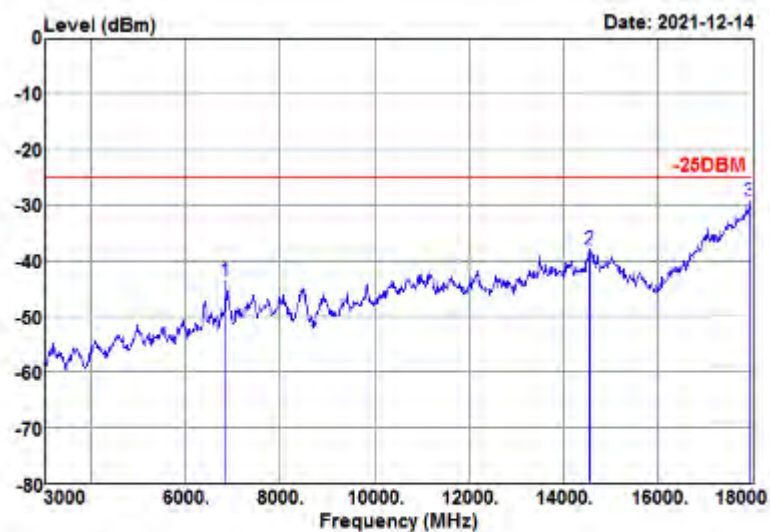
CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6885.000	-61.97	18.03	-43.94	-25.00	-18.94	Peak
13515.000	-68.63	28.41	-40.22	-25.00	-15.22	Peak
17460.000	-68.59	35.48	-33.11	-25.00	-8.11	Peak

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6855.000	-61.84	18.25	-43.59	-25.00	-18.59	Peak
14565.000	-66.32	28.24	-38.08	-25.00	-13.08	Peak
17955.000	-69.18	40.04	-29.14	-25.00	-4.14	Peak

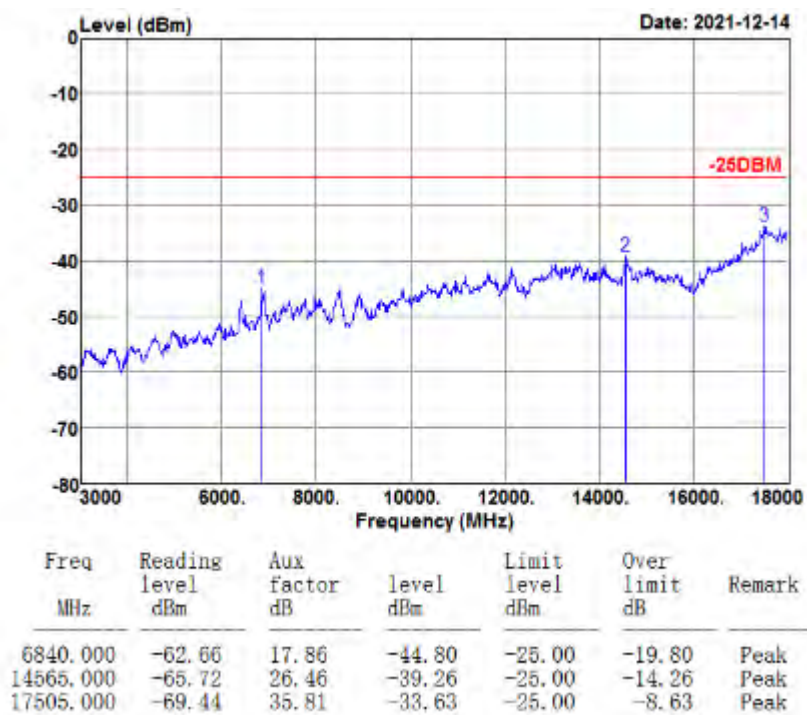


**BUREAU
VERITAS**

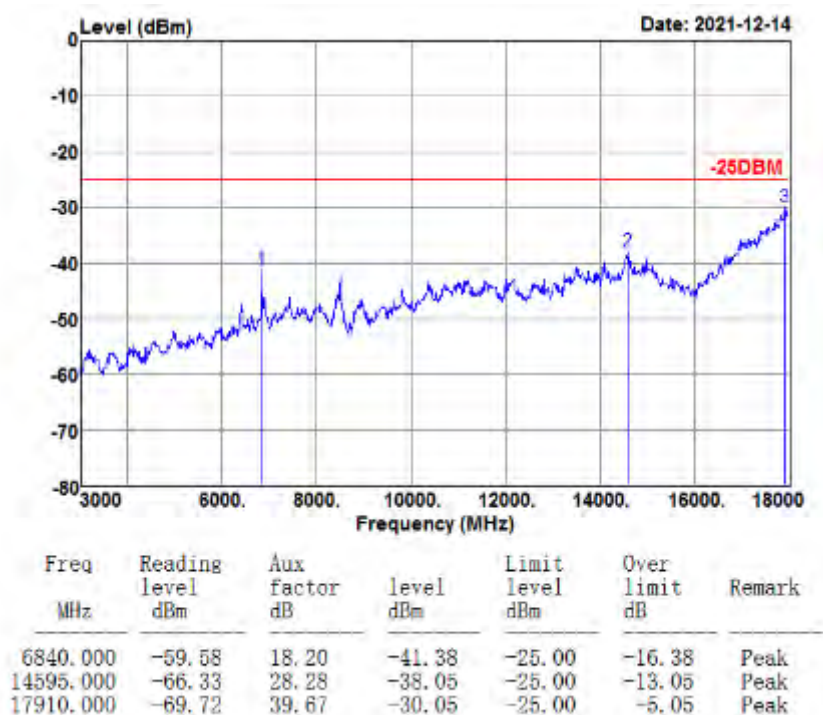
Test Report No.: W7L-P21100018-1RF06

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





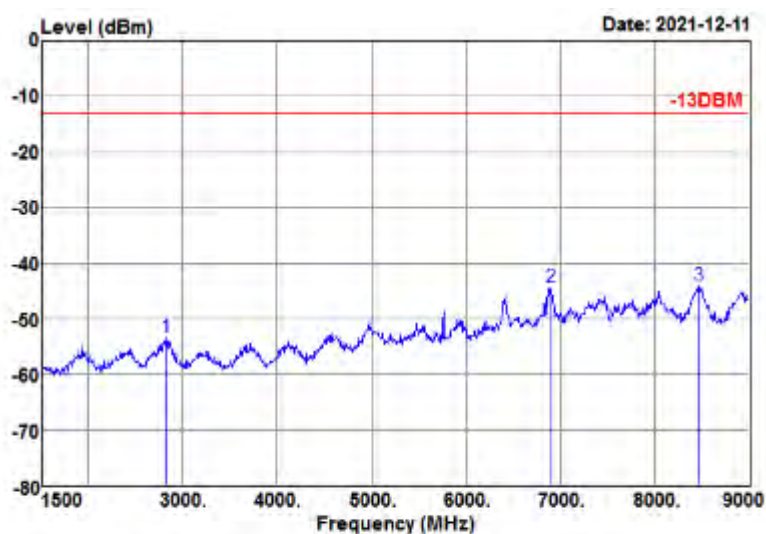
**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

LTE BAND 12

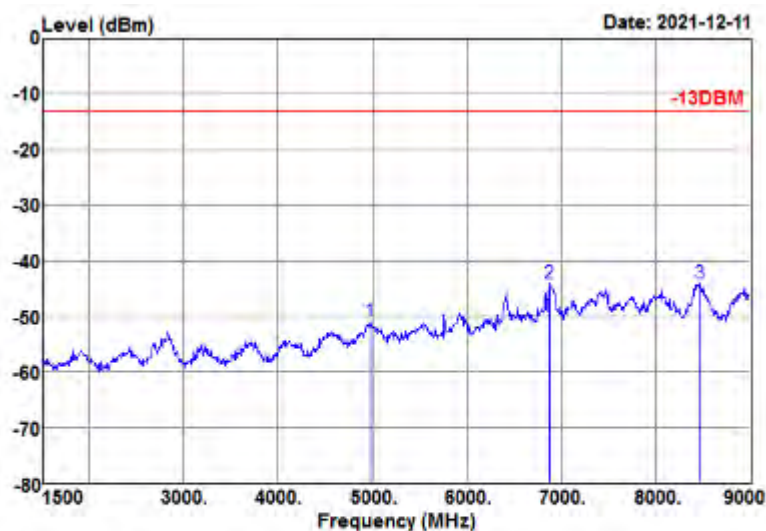
CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-61.10	7.70	-53.40	-13.00	-40.40	Peak
6900.000	-62.46	18.11	-44.35	-13.00	-31.35	Peak
8467.500	-63.28	19.26	-44.02	-13.00	-31.02	Peak

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
4972.500	-63.87	12.82	-51.05	-13.00	-38.05	Peak
6877.500	-62.61	18.44	-44.17	-13.00	-31.17	Peak
8467.500	-63.73	19.54	-44.19	-13.00	-31.19	Peak



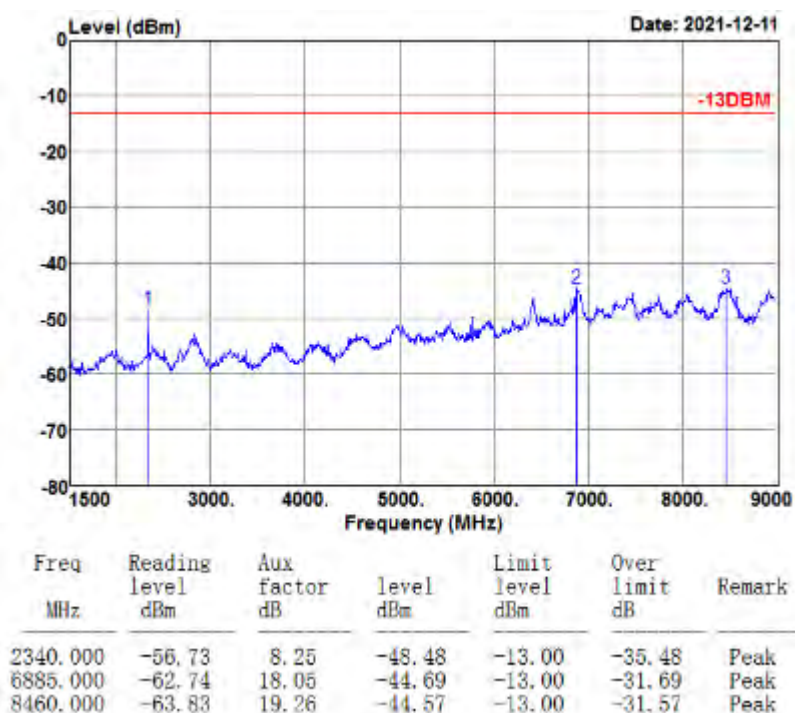
**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

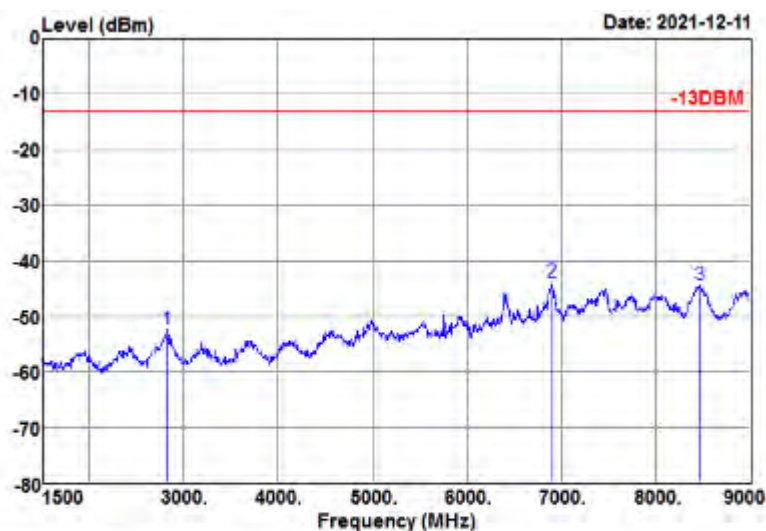
CHANNEL BANDWIDTH: 3MHz / QPSK

CH23095

04/20/2025			
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

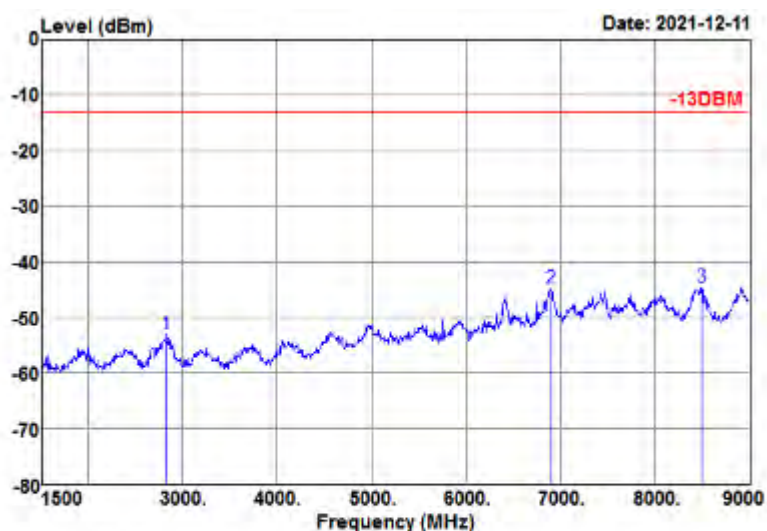


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-60.52	8.03	-52.49	-13.00	-39.49	Peak
6900.000	-62.34	18.53	-43.81	-13.00	-30.81	Peak
8467.500	-63.94	19.54	-44.40	-13.00	-31.40	Peak

CHANNEL BANDWIDTH: 5MHz / QPSK

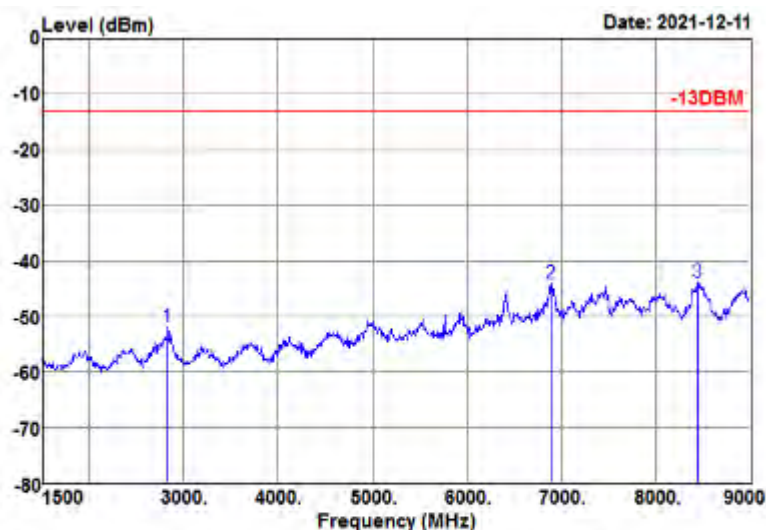
CH23035

MODE	TX channel 23035	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-60.86	7.70	-53.16	-13.00	-40.16	Peak
6907.500	-62.89	18.15	-44.74	-13.00	-31.74	Peak
8505.000	-63.96	19.28	-44.68	-13.00	-31.68	Peak

MODE	TX channel 23035	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-59.88	8.03	-51.85	-13.00	-38.85	Peak
6892.500	-62.64	18.50	-44.14	-13.00	-31.14	Peak
8445.000	-63.50	19.54	-43.96	-13.00	-30.96	Peak

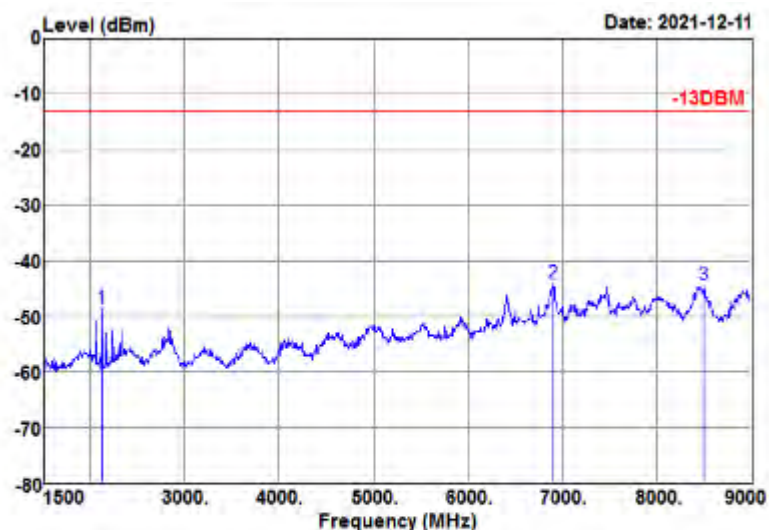


**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

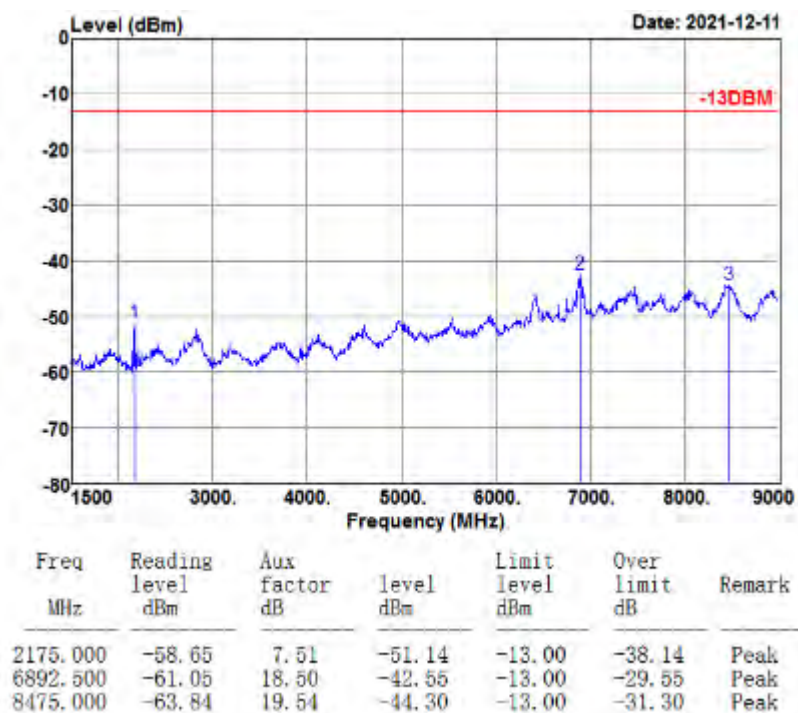
CH23095

0420000			
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2130.000	-56.42	7.80	-48.62	-13.00	-35.62	Peak
6900.000	-62.17	18.11	-44.06	-13.00	-31.06	Peak
8505.000	-63.72	19.28	-44.44	-13.00	-31.44	Peak

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			





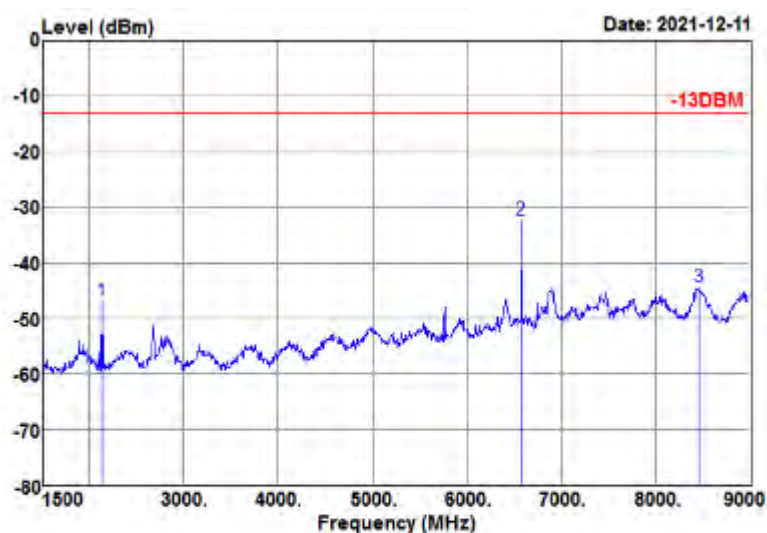
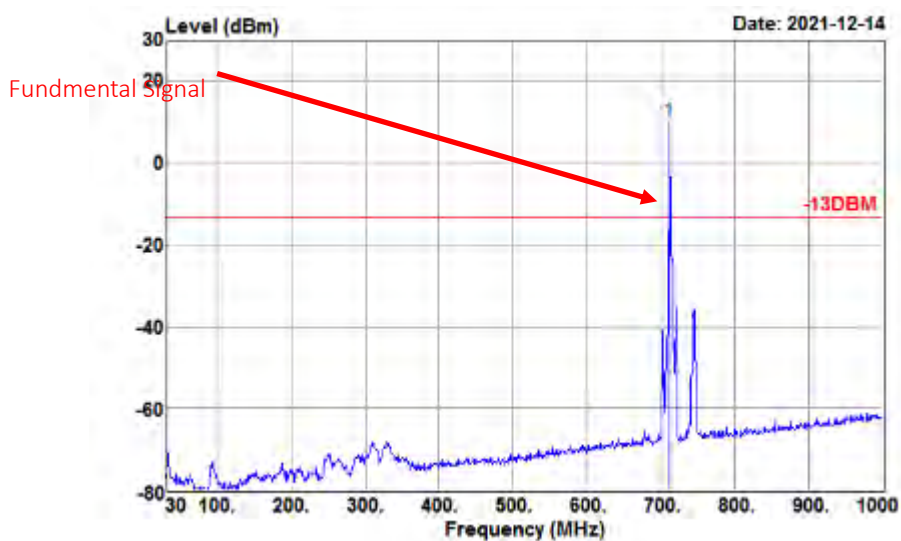
**BUREAU
VERITAS**

Test Report No.: W7L-P21100018-1RF06

CH23155

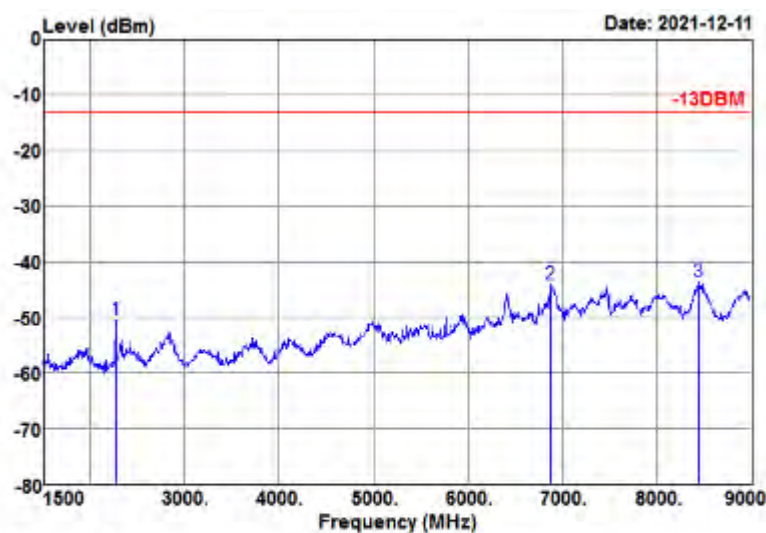
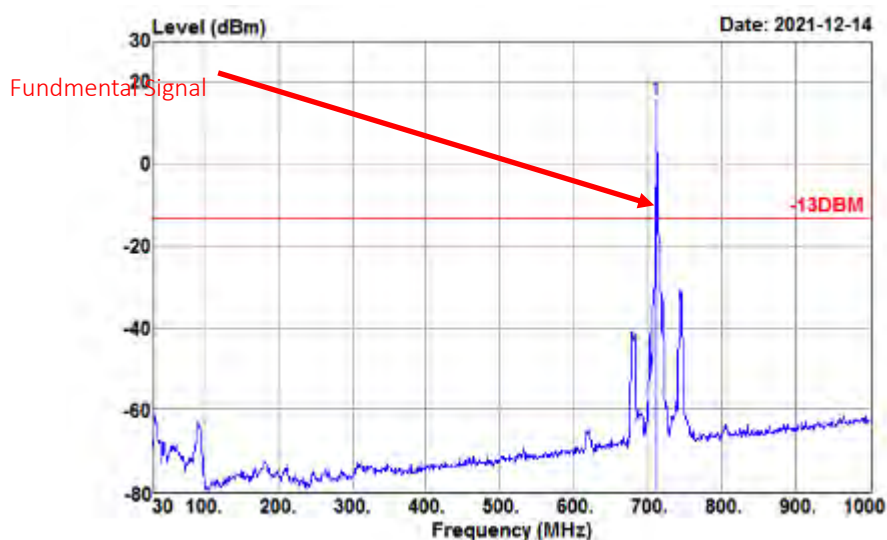
CH23155

MODE	TX channel 23155	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2137.500	-54.82	7.82	-47.00	-13.00	-34.00	Peak
6577.500	-48.95	16.74	-32.21	-13.00	-19.21	Peak
8460.000	-63.61	19.26	-44.35	-13.00	-31.35	Peak

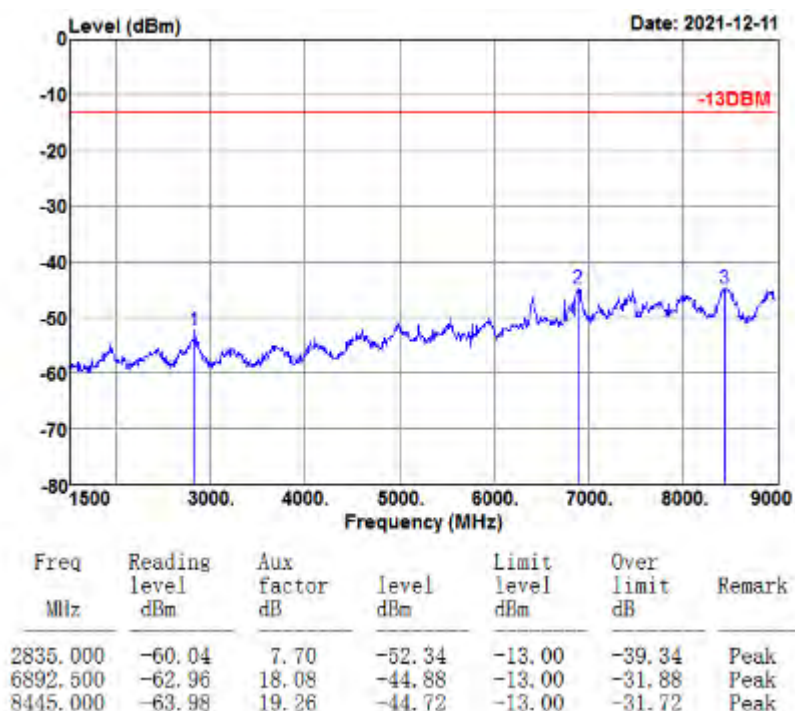
MODE	TX channel 23155	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



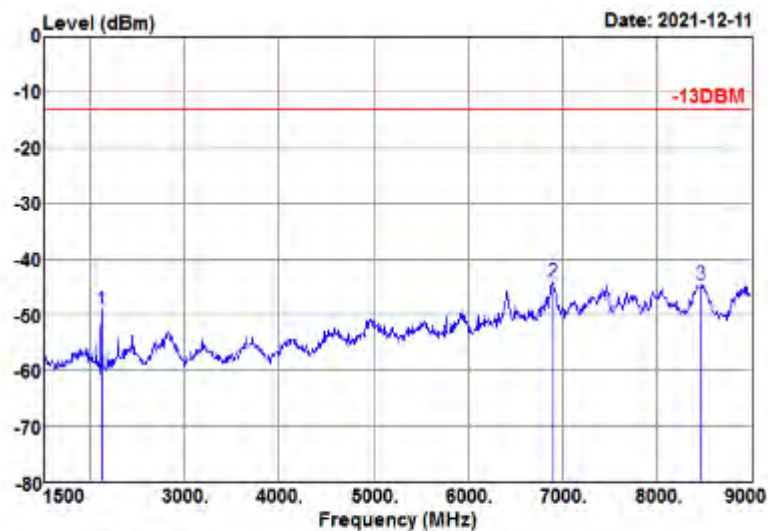
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2272.500	-58.24	7.81	-50.43	-13.00	-37.43	Peak
6877.500	-62.61	18.44	-44.17	-13.00	-31.17	Peak
8445.000	-63.28	19.54	-43.74	-13.00	-30.74	Peak

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



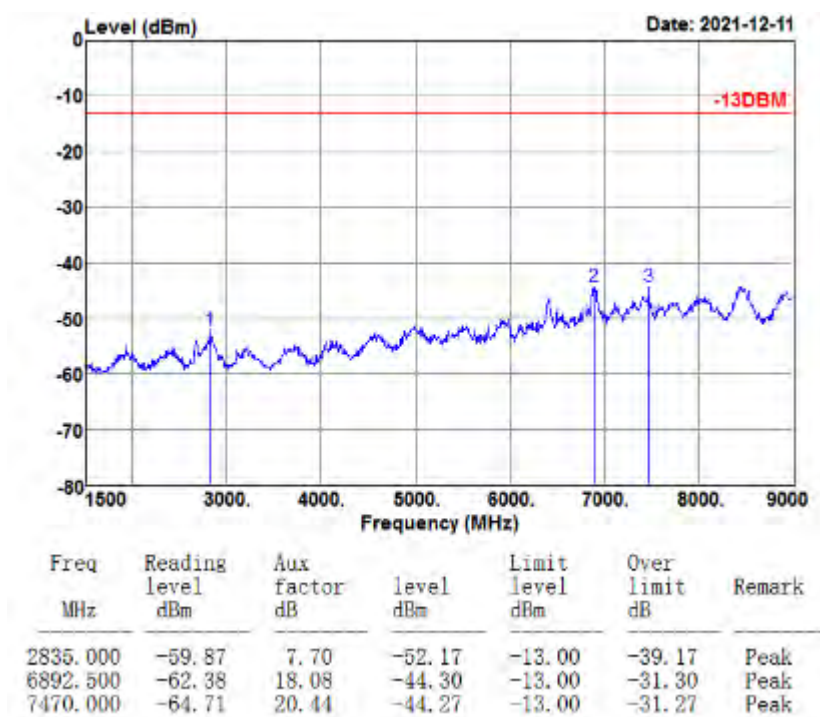
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2122.500	-56.35	7.36	-48.99	-13.00	-35.99	Peak
6900.000	-62.71	18.53	-44.18	-13.00	-31.18	Peak
8475.000	-64.22	19.54	-44.68	-13.00	-31.68	Peak

LTE B13

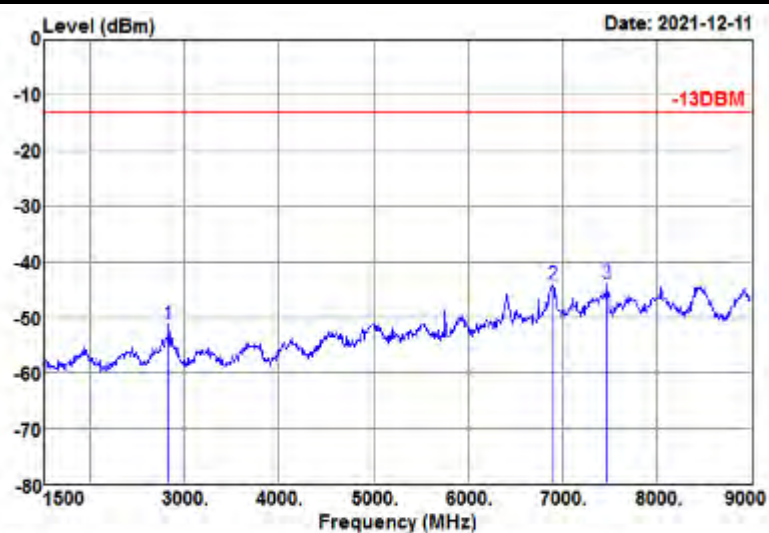
CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



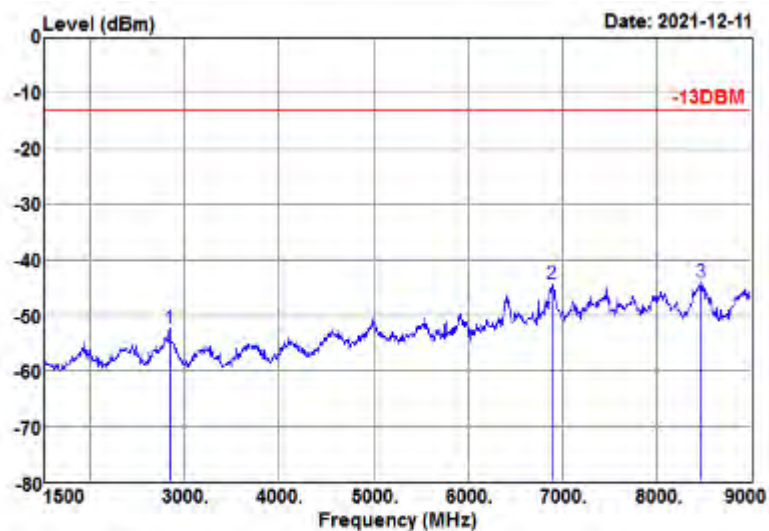
MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-59.16	8.03	-51.13	-13.00	-38.13	Peak
6900.000	-62.57	18.53	-44.04	-13.00	-31.04	Peak
7470.000	-64.85	20.99	-43.86	-13.00	-30.86	Peak

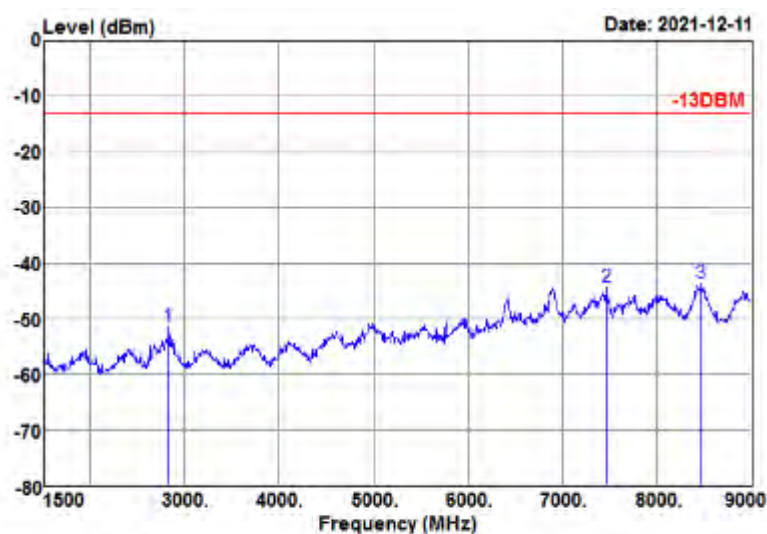
CH23230

MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2842.500	-60.05	7.66	-52.39	-13.00	-39.39	Peak
6892.500	-62.40	18.08	-44.32	-13.00	-31.32	Peak
8467.500	-63.34	19.26	-44.08	-13.00	-31.08	Peak

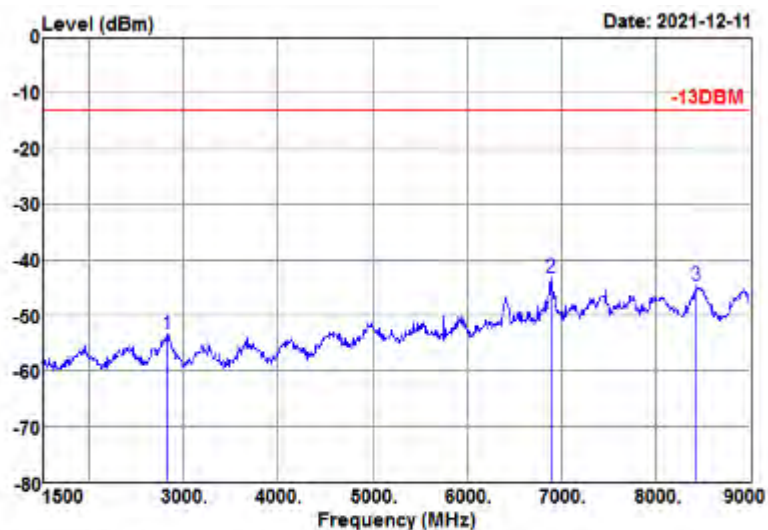
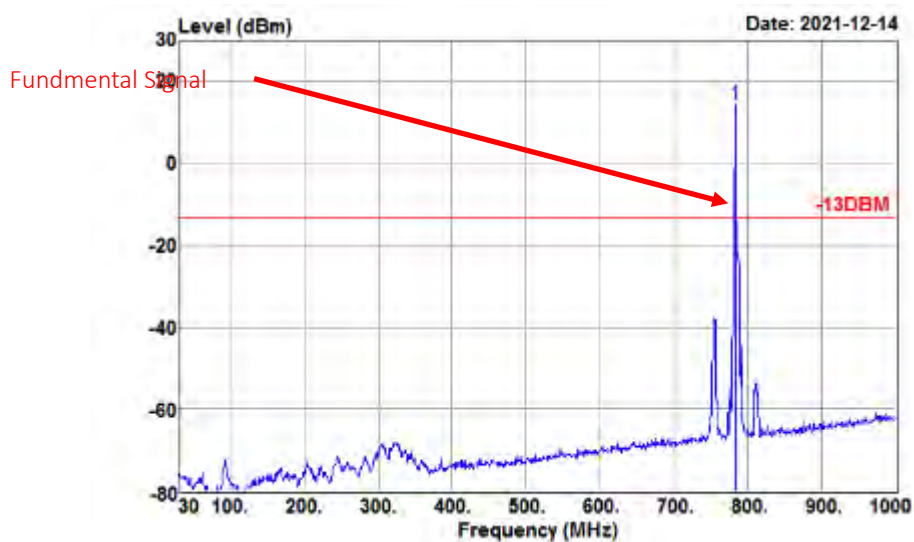
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-59.53	8.03	-51.50	-13.00	-38.50	Peak
7470.000	-65.26	20.99	-44.27	-13.00	-31.27	Peak
8475.000	-63.21	19.54	-43.67	-13.00	-30.67	Peak

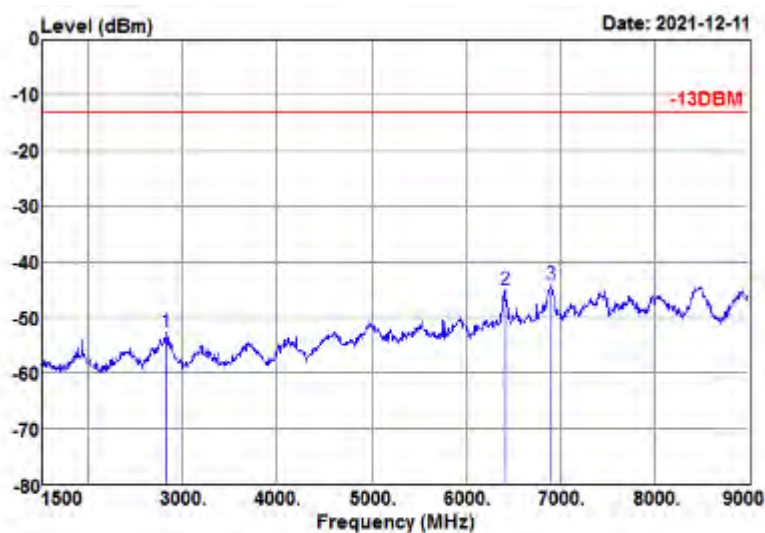
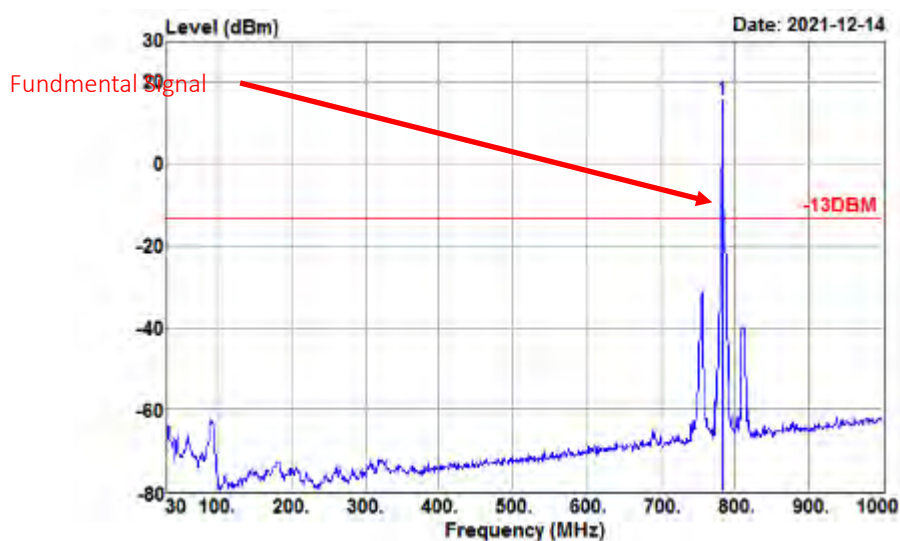
CH23255

MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-61.05	7.70	-53.35	-13.00	-40.35	Peak
6892.500	-61.15	18.08	-43.07	-13.00	-30.07	Peak
8437.500	-63.82	19.26	-44.56	-13.00	-31.56	Peak

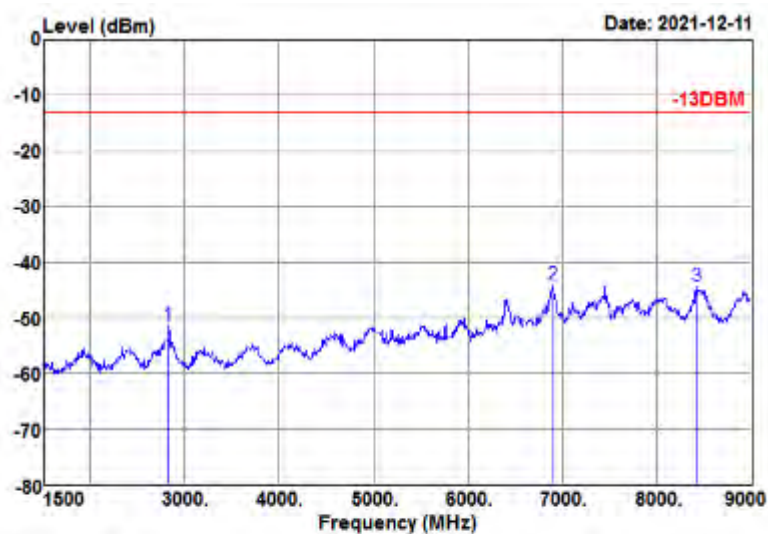
MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-60.70	8.03	-52.67	-13.00	-39.67	Peak
6420.000	-61.48	16.50	-44.98	-13.00	-31.98	Peak
6907.500	-62.80	18.57	-44.23	-13.00	-31.23	Peak

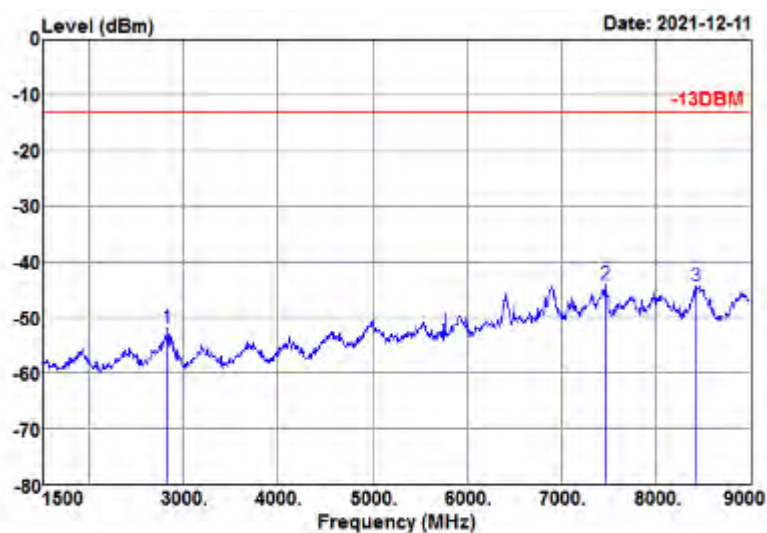
CHANNEL BANDWIDTH: 10MHz /QPSK

MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-59.15	7.70	-51.45	-13.00	-38.45	Peak
6900.000	-62.25	18.11	-44.14	-13.00	-31.14	Peak
8430.000	-63.69	19.25	-44.44	-13.00	-31.44	Peak

MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
2835.000	-59.84	8.03	-51.81	-13.00	-38.81	Peak
7470.000	-65.22	20.99	-44.23	-13.00	-31.23	Peak
8430.000	-63.84	19.53	-44.31	-13.00	-31.31	Peak



Test Report No.: W7L-P21100018-1RF06

LTE B17

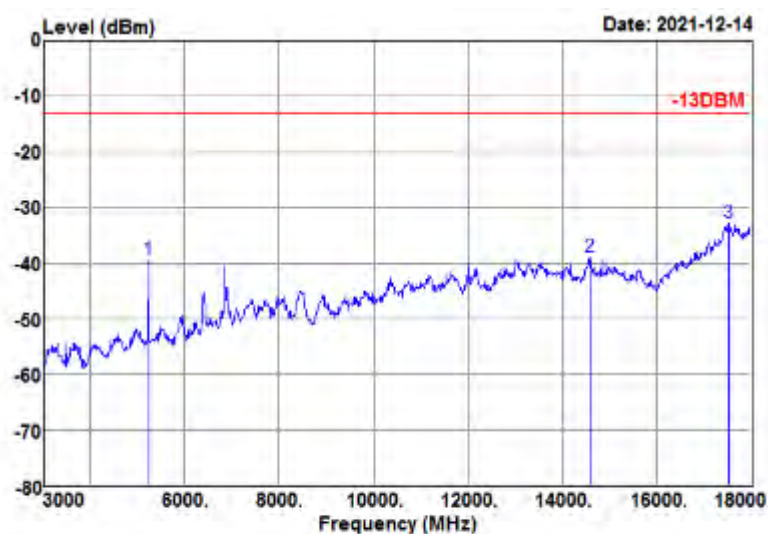
NOTE:

The data of LTE17 is contained in LTE12, and the data only reflects the segments of LTE 12.

LTE B66

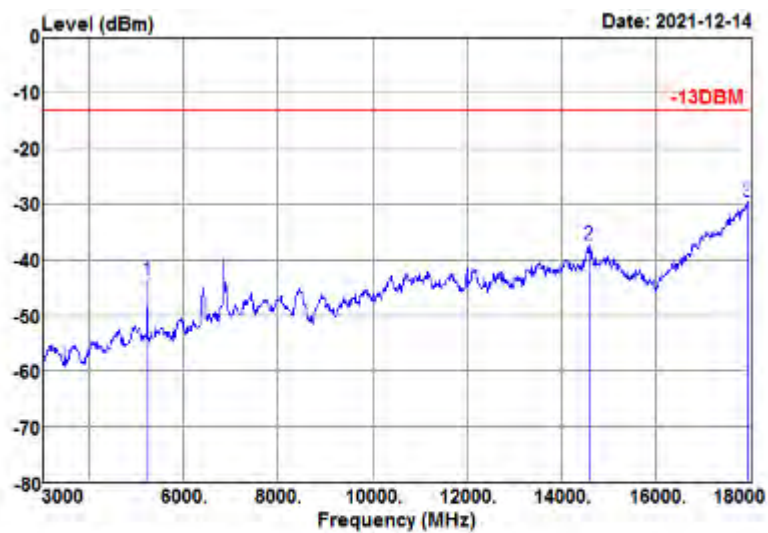
CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5235.000	-52.12	12.67	-39.45	-13.00	-26.45	Peak
14595.000	-65.52	26.53	-38.99	-13.00	-25.99	Peak
17520.000	-68.50	35.79	-32.71	-13.00	-19.71	Peak

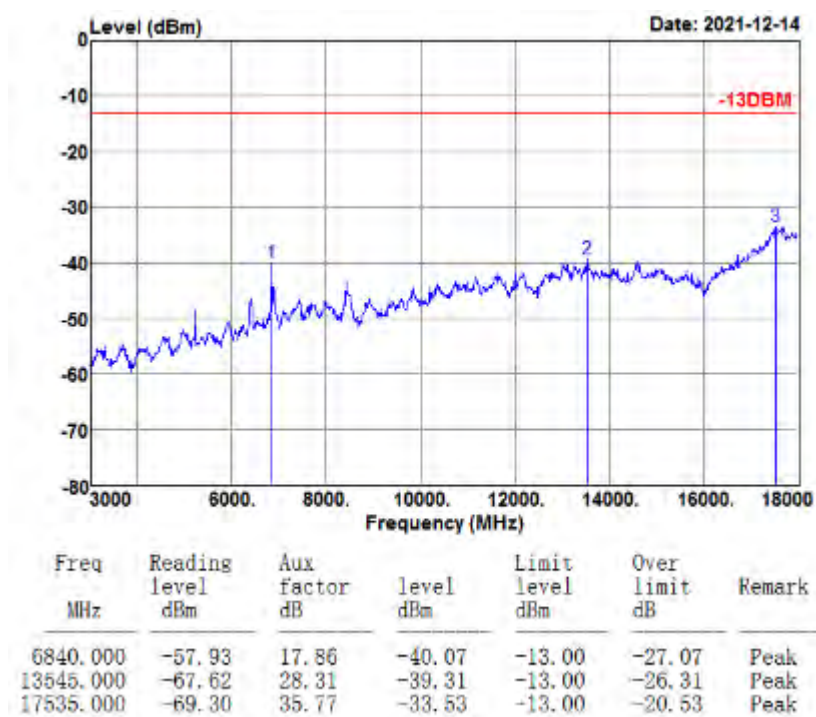
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



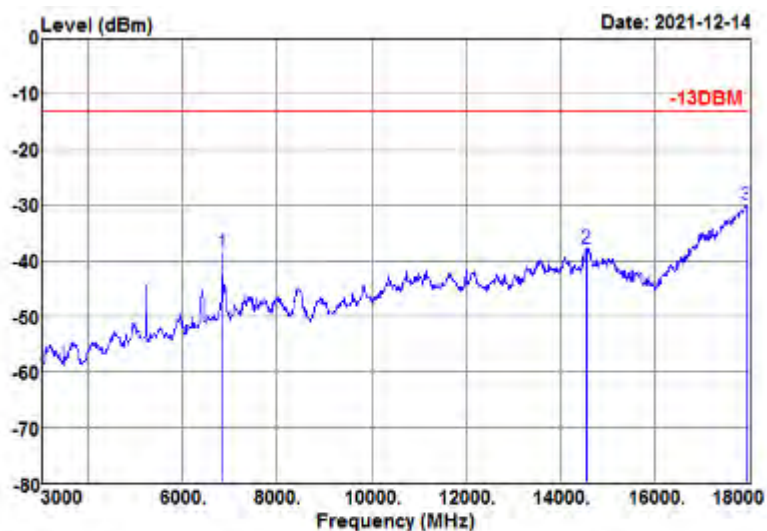
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5235.000	-56.56	12.90	-43.66	-13.00	-30.66	Peak
14595.000	-65.58	28.28	-37.30	-13.00	-24.30	Peak
17940.000	-69.35	39.91	-29.44	-13.00	-16.44	Peak

CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

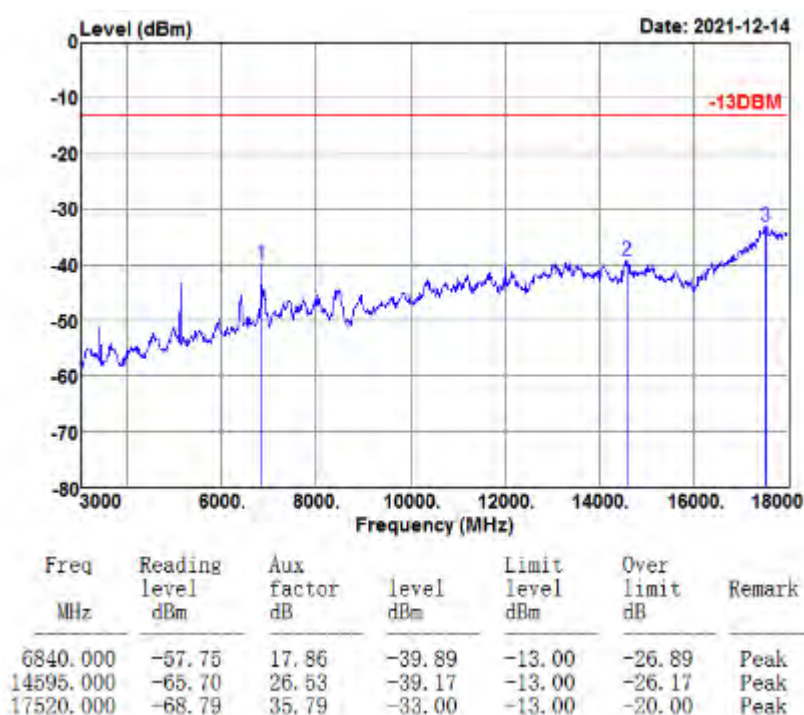


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-56.56	18.20	-38.36	-13.00	-25.36	Peak
14565.000	-65.98	28.24	-37.74	-13.00	-24.74	Peak
17940.000	-69.79	39.91	-29.88	-13.00	-16.88	Peak

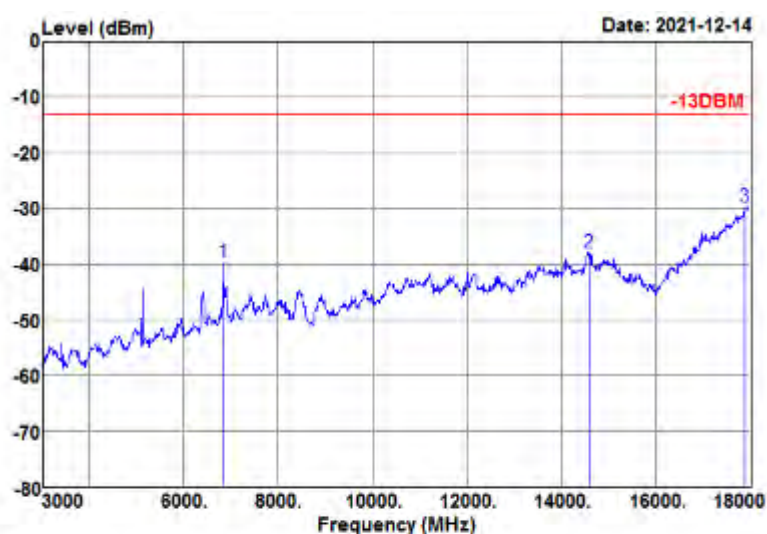
CHANNEL BANDWIDTH: 5MHz / QPSK

CH131997

MODE	TX channel 131997	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



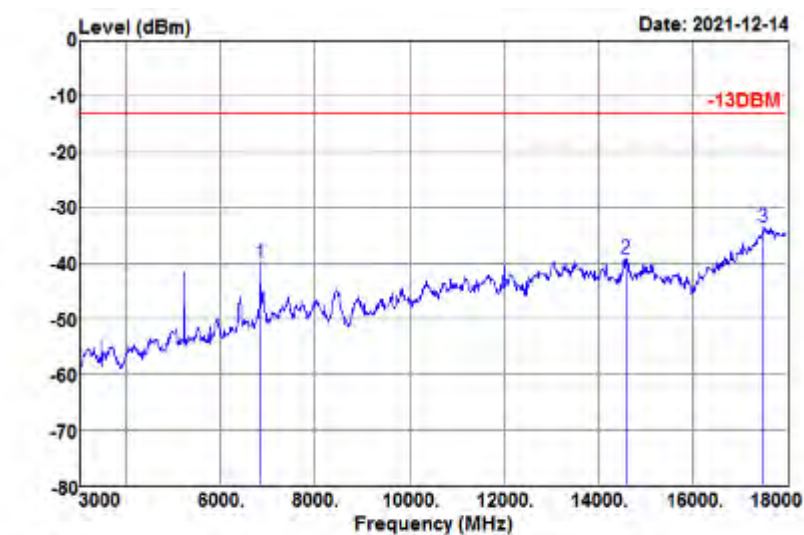
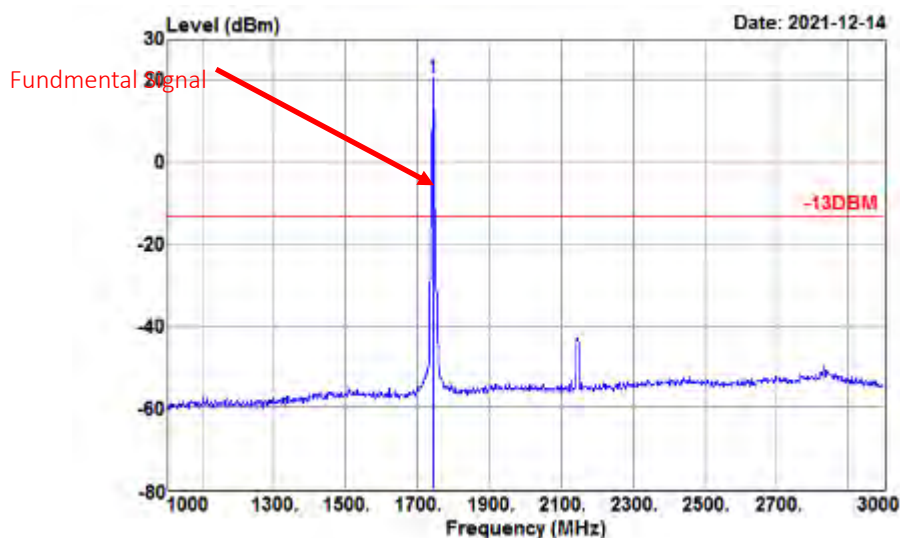
MODE	TX channel 131997	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-57.81	18.20	-39.61	-13.00	-26.61	Peak
14595.000	-66.17	28.28	-37.89	-13.00	-24.89	Peak
17895.000	-69.18	39.55	-29.63	-13.00	-16.63	Peak

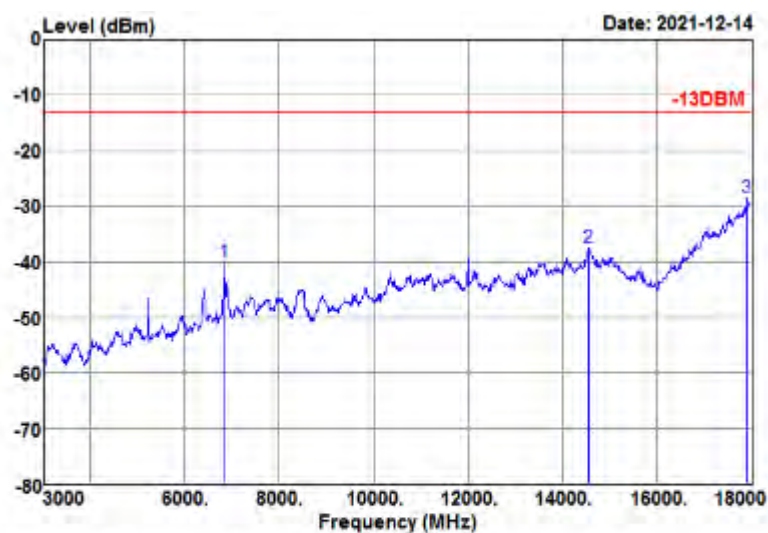
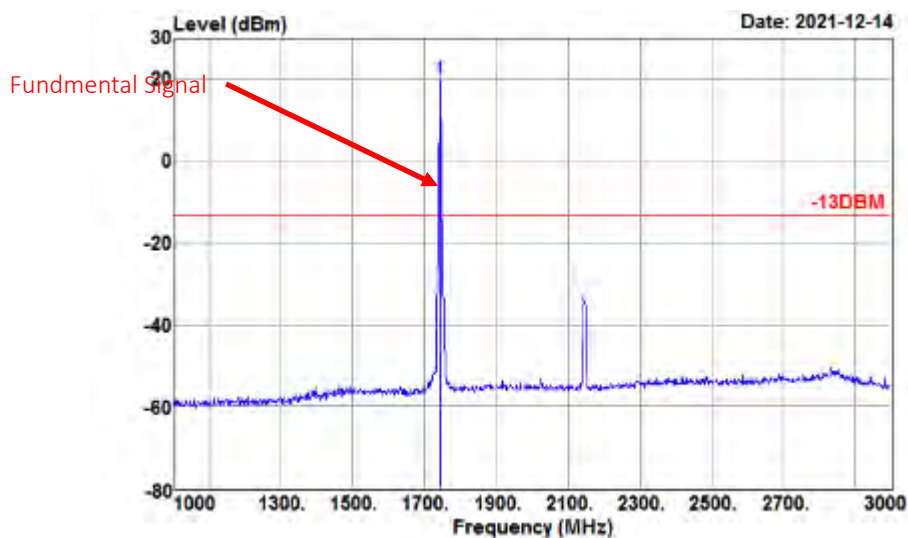
CH132322

MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-57.75	17.86	-39.89	-13.00	-26.89	Peak
14580.000	-65.58	26.50	-39.08	-13.00	-26.08	Peak
17505.000	-69.24	35.81	-33.43	-13.00	-20.43	Peak

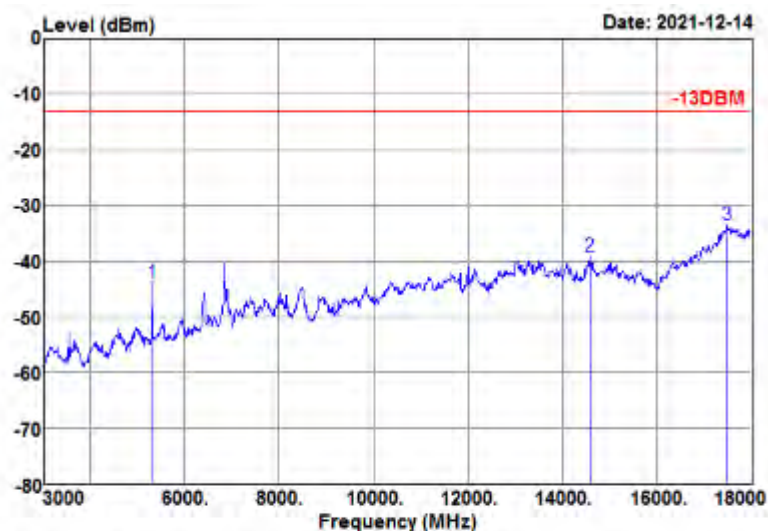
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-58.32	18.20	-40.12	-13.00	-27.12	Peak
14565.000	-65.85	28.24	-37.61	-13.00	-24.61	Peak
17925.000	-68.34	39.79	-28.55	-13.00	-15.55	Peak

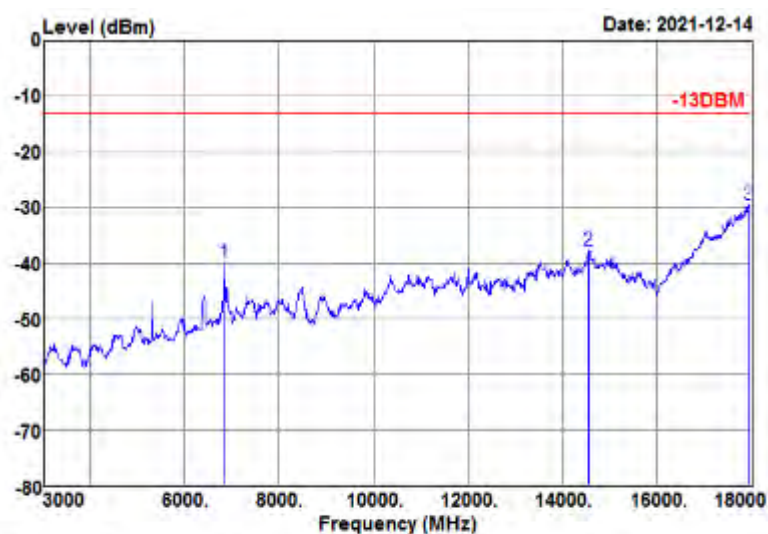
CH132647

MODE	TX channel 132647	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5325.000	-56.74	12.76	-43.98	-13.00	-30.98	Peak
14595.000	-65.79	26.53	-39.26	-13.00	-26.26	Peak
17490.000	-69.26	35.73	-33.53	-13.00	-20.53	Peak

MODE	TX channel 132647	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

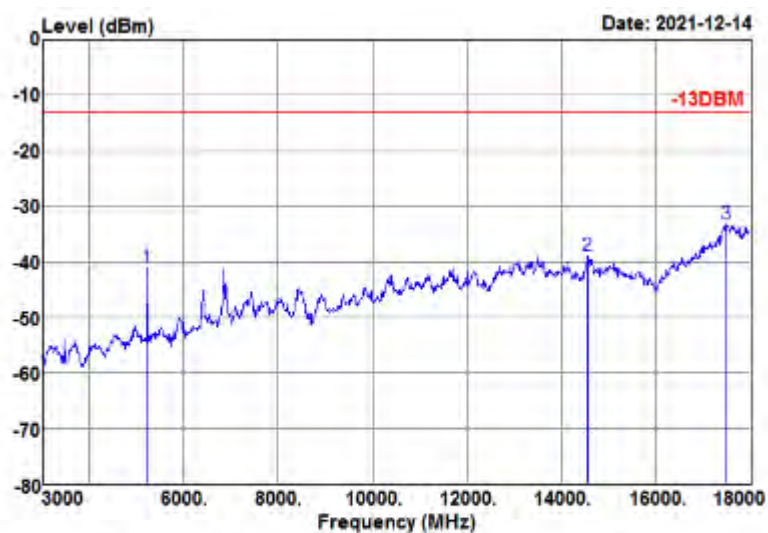


Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-58.17	18.20	-39.97	-13.00	-26.97	Peak
14565.000	-65.89	28.24	-37.65	-13.00	-24.65	Peak
17955.000	-69.47	40.04	-29.43	-13.00	-16.43	Peak

CHANNEL BANDWIDTH: 10MHz / QPSK

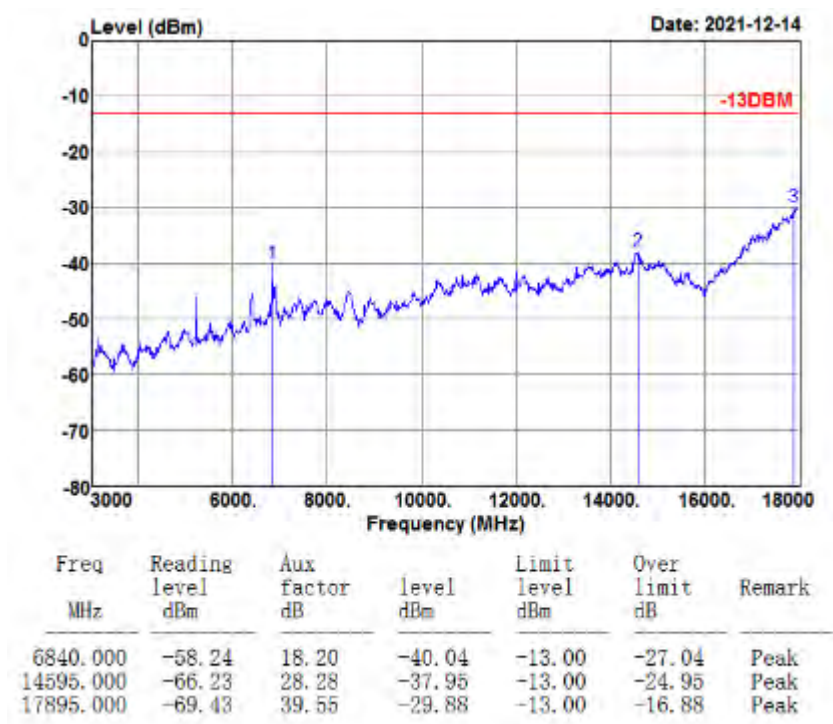
CH132322

MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



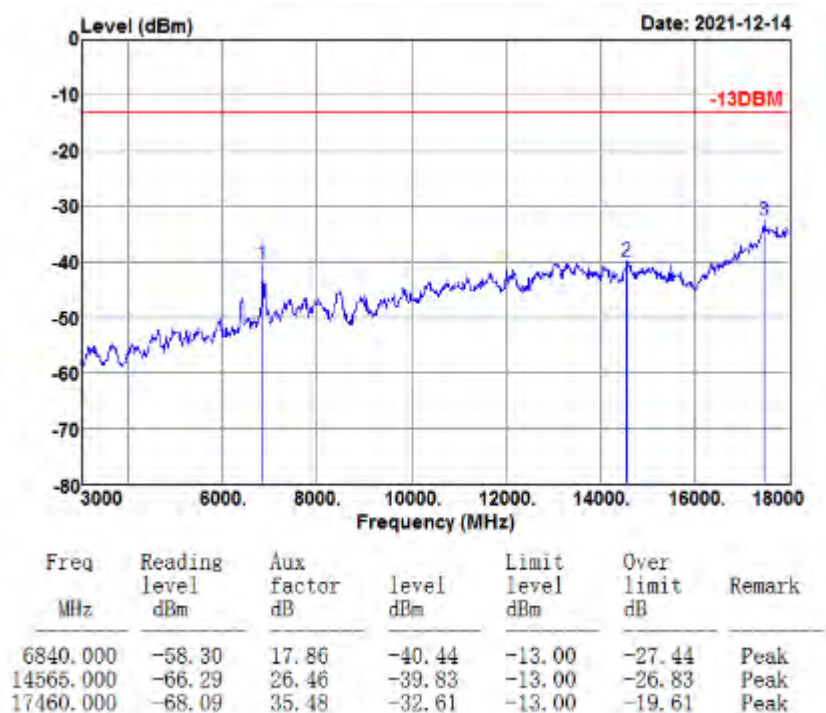
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
5220.000	-53.67	12.63	-41.04	-13.00	-28.04	Peak
14565.000	-65.46	26.46	-39.00	-13.00	-26.00	Peak
17505.000	-69.12	35.81	-33.31	-13.00	-20.31	Peak

MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

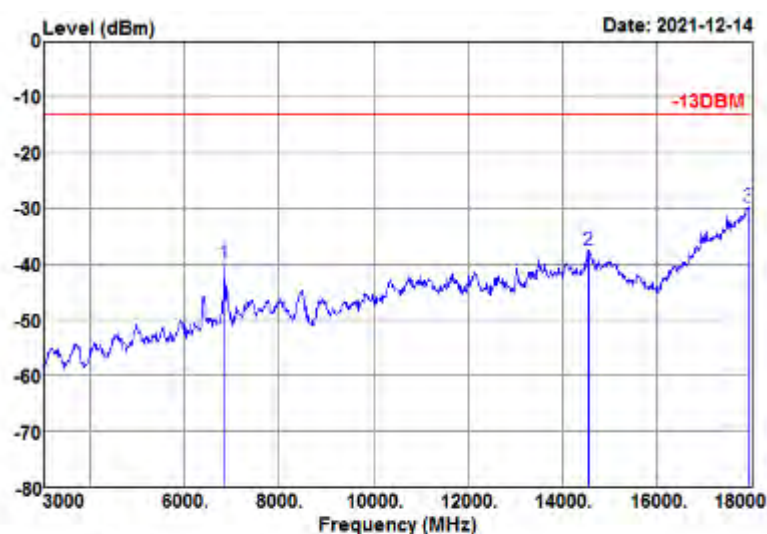


CHANNEL BANDWIDTH: 15MHz / QPSK

CHANNEL BANDWIDTH: 10MHz/7.5MHz			
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



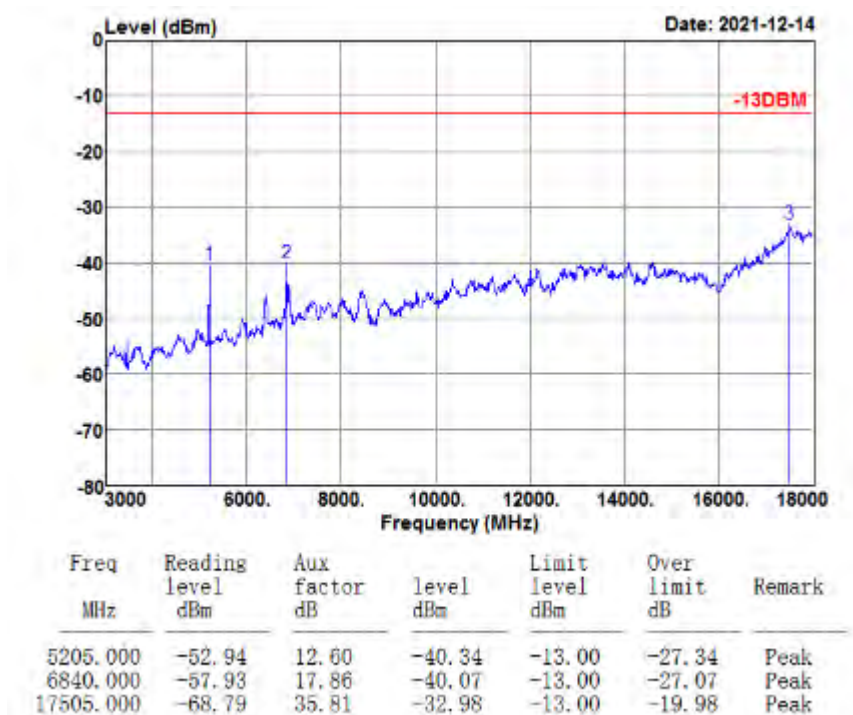
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



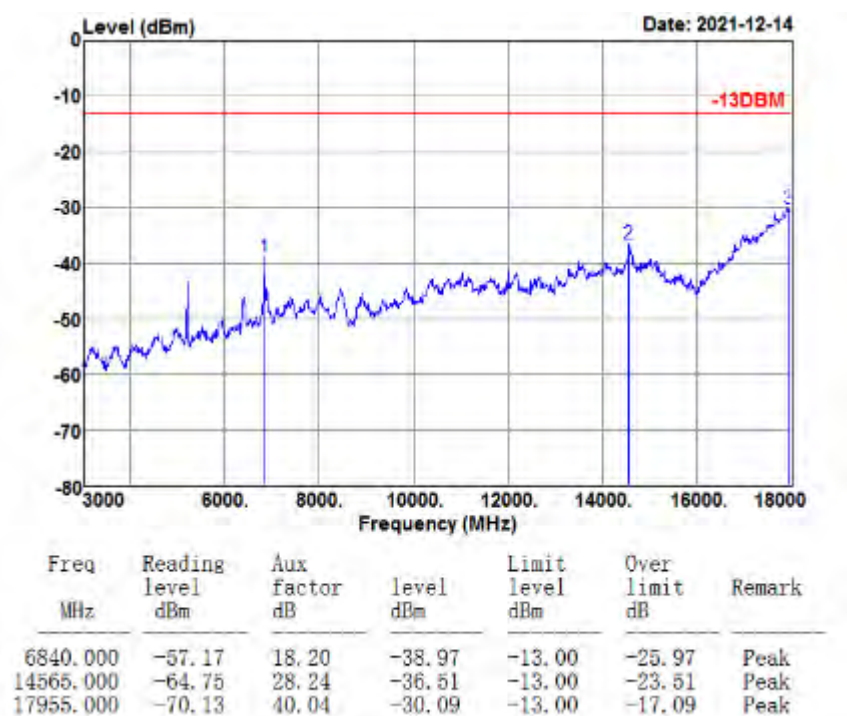
Freq MHz	Reading level dBm	Aux factor dB	level dBm	Limit level dBm	Over limit dB	Remark
6840.000	-58.11	18.20	-39.91	-13.00	-26.91	Peak
14565.000	-65.72	28.24	-37.48	-13.00	-24.48	Peak
17940.000	-69.52	39.91	-29.61	-13.00	-16.61	Peak

CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			



Simultaneous transmissions RSE worst case as below:

BELOW 1GHz WORST-CASE DATA

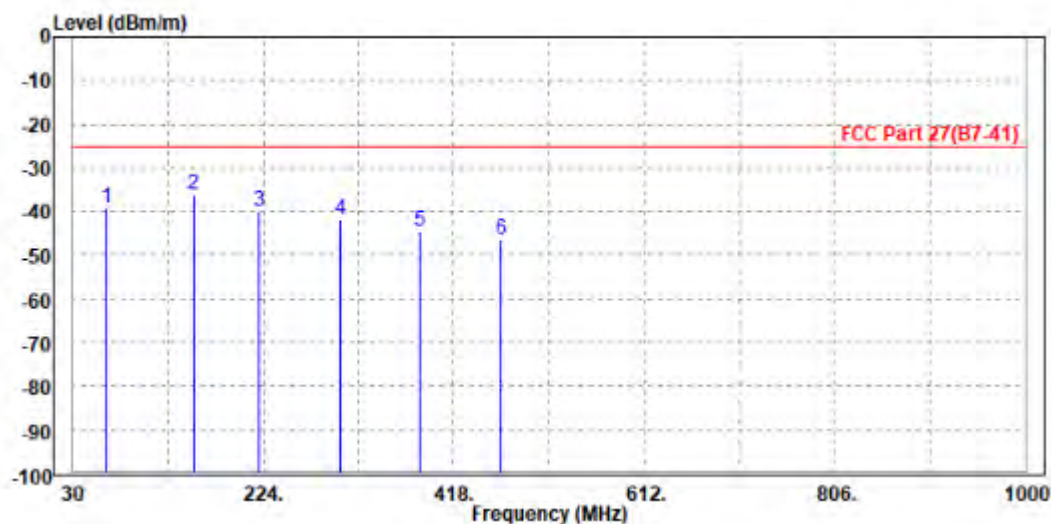
30 MHz – 1GHz data:

LTE Band 7

CHANNEL BANDWIDTH: LTE B7 10MHz / QPSK +BT 2.0 TX_8DPSK_Ch 39:

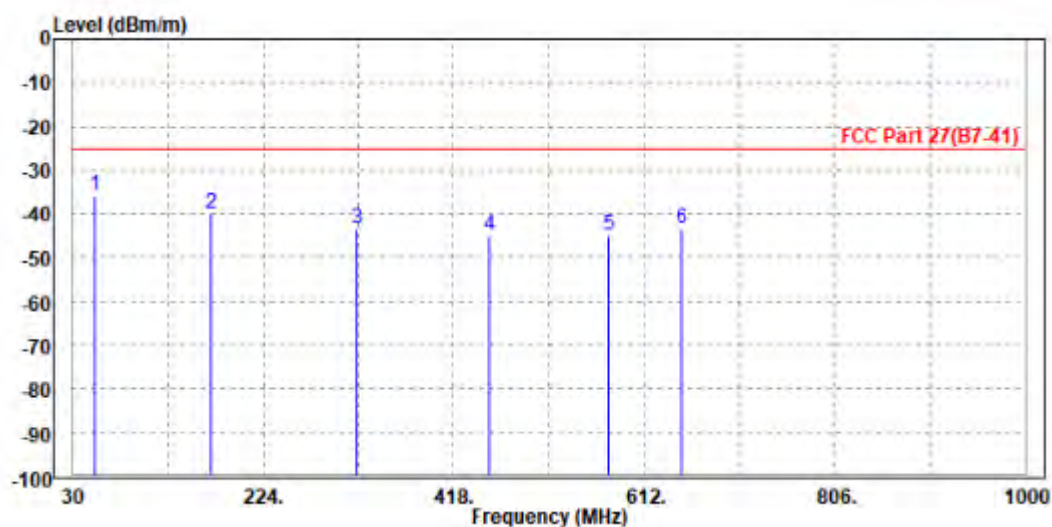
MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	64.920	-39.20	-46.85	-25.00	-14.20	7.65	Peak	Horizontal
2 PP	153.190	-35.98	-45.99	-25.00	-10.98	10.01	Peak	Horizontal
3	219.150	-40.06	-51.90	-25.00	-15.06	11.84	Peak	Horizontal
4	302.570	-41.92	-55.99	-25.00	-16.92	14.07	Peak	Horizontal
5	383.080	-44.38	-60.79	-25.00	-19.38	16.41	Peak	Horizontal
6	465.530	-46.54	-64.62	-25.00	-21.54	18.08	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

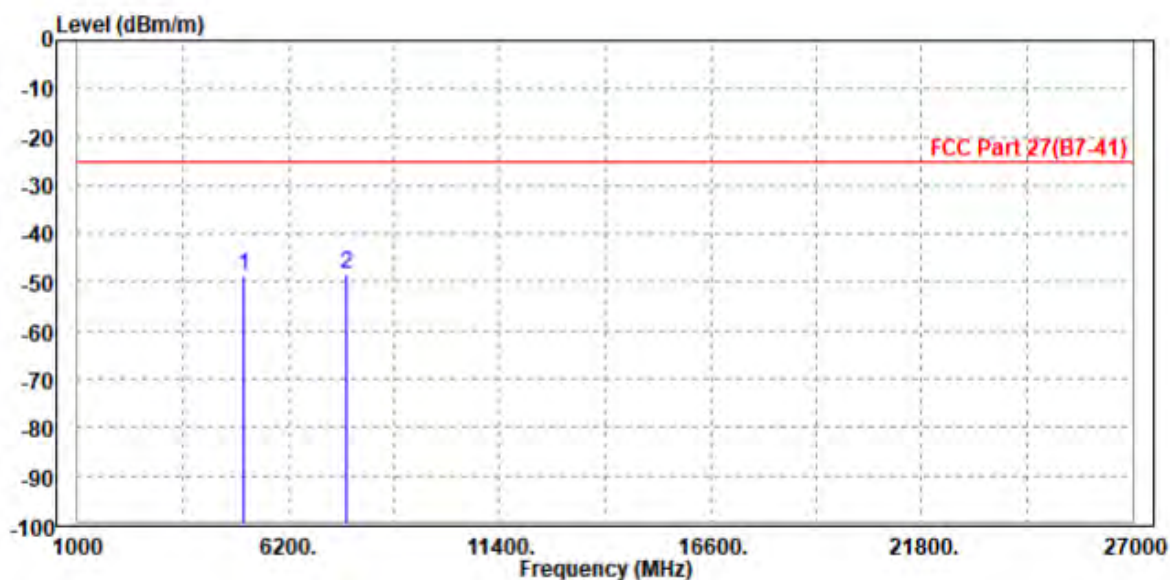
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	52.310	-35.86	-44.61	-25.00	-10.86	8.75	Peak	Vertical
2		170.650	-40.04	-50.90	-25.00	-15.04	10.86	Peak	Vertical
3		320.030	-43.31	-58.75	-25.00	-18.31	15.44	Peak	Vertical
4		454.860	-44.91	-63.15	-25.00	-19.91	18.24	Peak	Vertical
5		575.140	-44.81	-65.26	-25.00	-19.81	20.45	Peak	Vertical
6		649.830	-43.37	-64.97	-25.00	-18.37	21.60	Peak	Vertical



CHANNEL BANDWIDTH: LTE B7 10MHz / QPSK +BT 2.0 TX_8DPSK_Ch 39:

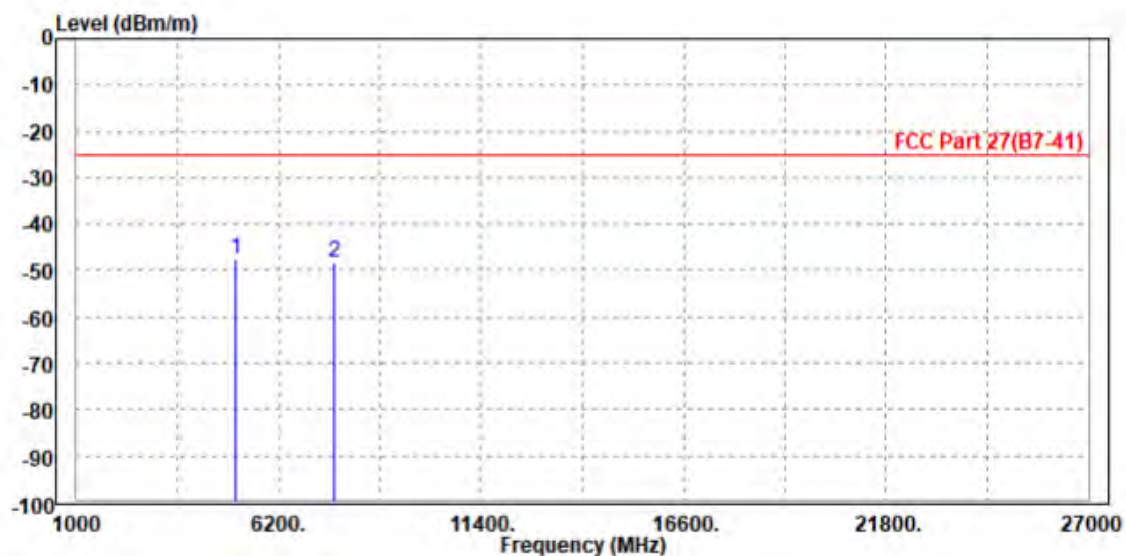
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5082.000	-48.59	-57.36	-25.00	-23.59	8.77	Peak	Horizontal
2 PP	7605.000	-48.34	-59.74	-25.00	-23.34	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

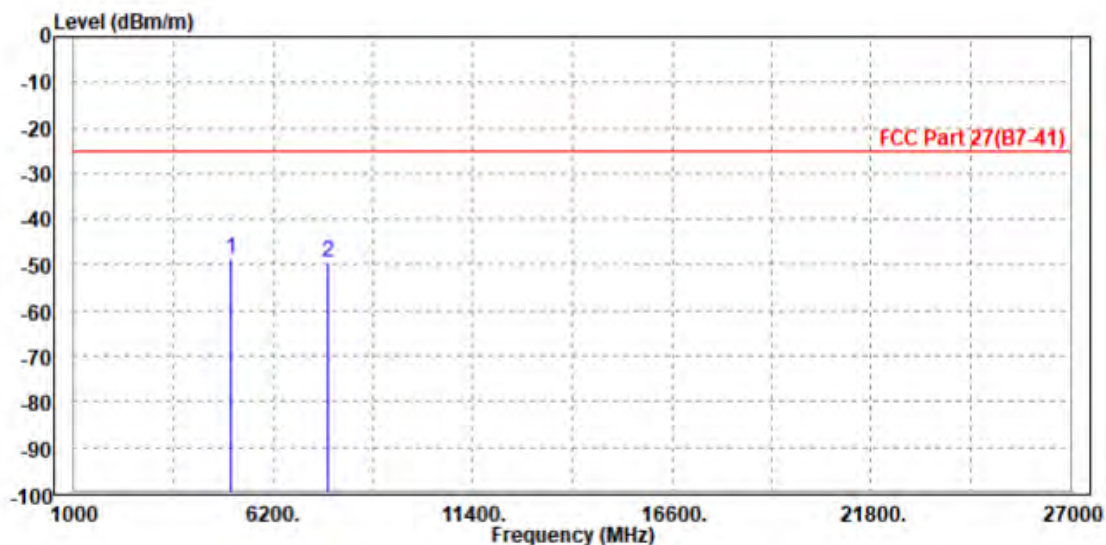
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5082.000	-47.67	-57.54	-25.00	-22.67	9.87	Peak	Vertical
2	7605.000	-48.33	-61.11	-25.00	-23.33	12.78	Peak	Vertical



CHANNEL BANDWIDTH: LTE B7 10MHz / QPSK +WIFI 2.4G_11n40_TX_CH9:

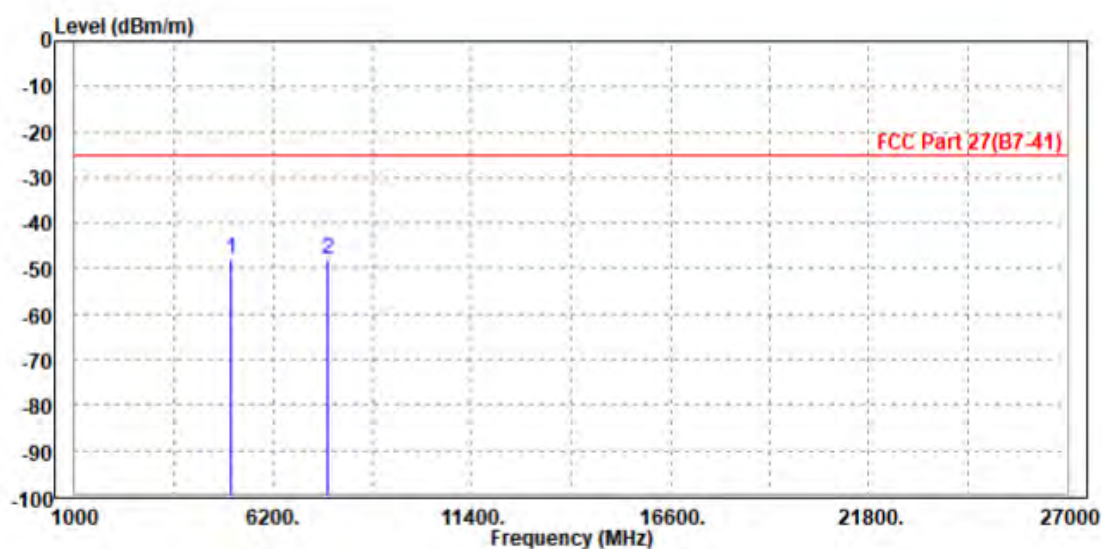
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-48.52	-57.29	-25.00	-23.52	8.77	Peak	Horizontal
2	7605.000	-49.27	-60.67	-25.00	-24.27	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

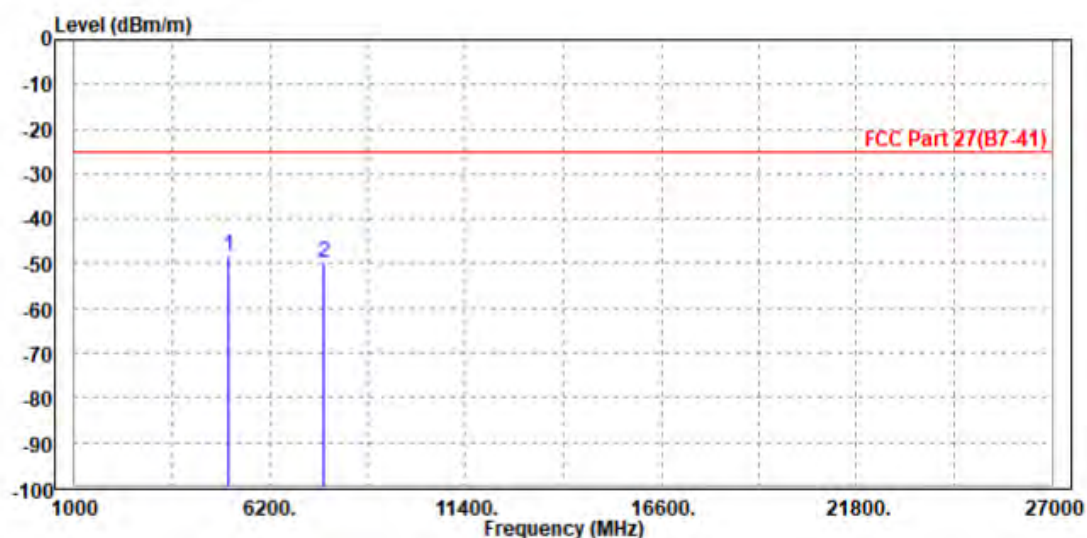
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-47.92	-57.79	-25.00	-22.92	9.87	Peak	Vertical
2	7605.000	-48.10	-60.88	-25.00	-23.10	12.78	Peak	Vertical



CHANNEL BANDWIDTH LTE: B7 10MHz / QPSK +WIFI 5G_11n40_TX_CH102:

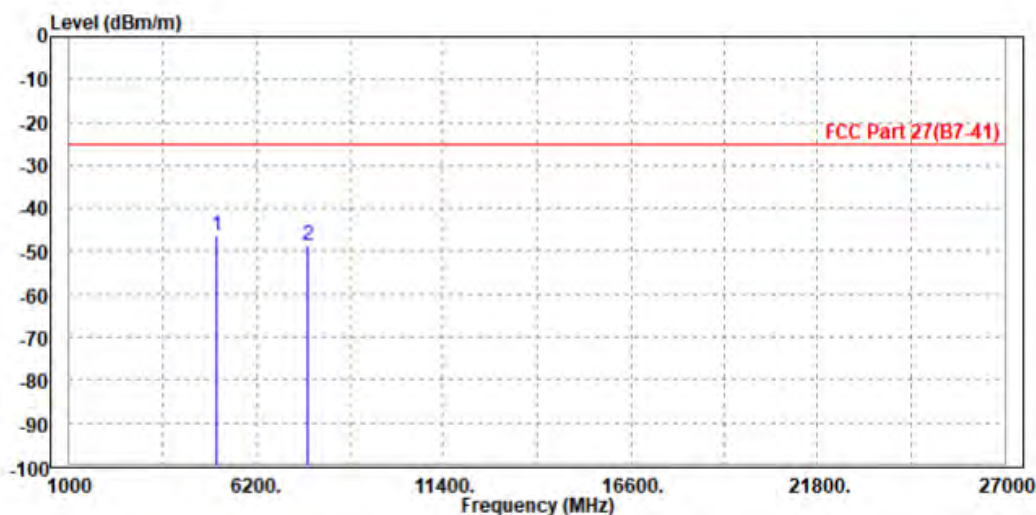
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-48.40	-57.17	-25.00	-23.40	8.77	Peak	Horizontal
2	7605.000	-49.99	-61.39	-25.00	-24.99	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5082.000	-46.27	-56.14	-25.00	-21.27	9.87	Peak	Vertical
2	7605.000	-48.51	-61.29	-25.00	-23.51	12.78	Peak	Vertical

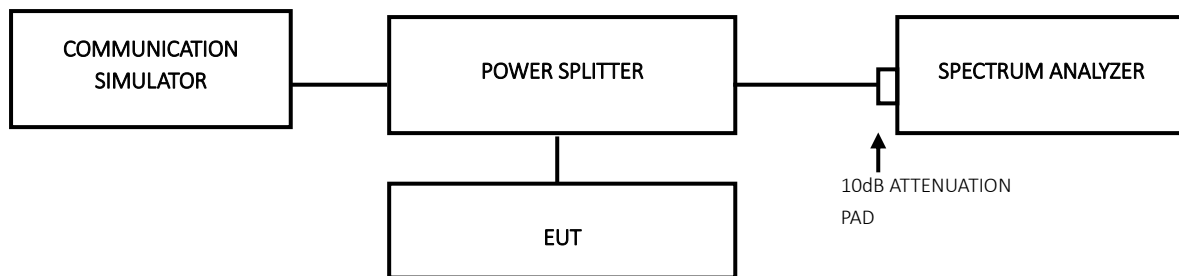


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.



Test Report No.: W7L-P21100018-1RF06

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



Test Report No.: W7L-P21100018-1RF06

4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566

Fax: +86-755-88696577

Email: customerservice.sw@cn.bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



Test Report No.: W7L-P21100018-1RF06

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

6 Appendix

WCDMA BAND 4

FREQUENCY STABILITY TEST RESULT

Band: 4							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.27	-3.59	-0.00	-2.5 to 2.5	Pass
			3.85	-5.60	-0.00	-2.5 to 2.5	Pass
			4.43	5.77	0.00	-2.5 to 2.5	Pass
		-30	3.85	4.27	0.00	-2.5 to 2.5	Pass
		-20	3.85	4.22	0.00	-2.5 to 2.5	Pass
		-10	3.85	3.98	0.00	-2.5 to 2.5	Pass
		0	3.85	4.79	0.00	-2.5 to 2.5	Pass
		10	3.85	0.99	0.00	-2.5 to 2.5	Pass
		30	3.85	1.30	0.00	-2.5 to 2.5	Pass
		40	3.85	1.83	0.00	-2.5 to 2.5	Pass
		50	3.85	-3.77	-0.00	-2.5 to 2.5	Pass
	1732.6	20	3.27	0.44	0.00	-2.5 to 2.5	Pass
			3.85	4.54	0.00	-2.5 to 2.5	Pass
			4.43	4.99	0.00	-2.5 to 2.5	Pass
		-30	3.85	3.38	0.00	-2.5 to 2.5	Pass
		-20	3.85	6.09	0.00	-2.5 to 2.5	Pass
		-10	3.85	2.20	0.00	-2.5 to 2.5	Pass
		0	3.85	0.81	0.00	-2.5 to 2.5	Pass
		10	3.85	-2.27	-0.00	-2.5 to 2.5	Pass
		30	3.85	-0.33	-0.00	-2.5 to 2.5	Pass
		40	3.85	1.66	0.00	-2.5 to 2.5	Pass
		50	3.85	3.05	0.00	-2.5 to 2.5	Pass
	1752.6	20	3.27	7.21	0.00	-2.5 to 2.5	Pass
			3.85	1.21	0.00	-2.5 to 2.5	Pass
			4.43	4.11	0.00	-2.5 to 2.5	Pass
		-30	3.85	1.34	0.00	-2.5 to 2.5	Pass
		-20	3.85	4.50	0.00	-2.5 to 2.5	Pass
		-10	3.85	-1.22	-0.00	-2.5 to 2.5	Pass
		0	3.85	-1.57	-0.00	-2.5 to 2.5	Pass
		10	3.85	-1.41	-0.00	-2.5 to 2.5	Pass
		30	3.85	-5.63	-0.00	-2.5 to 2.5	Pass
		40	3.85	-1.36	-0.00	-2.5 to 2.5	Pass
		50	3.85	0.84	0.00	-2.5 to 2.5	Pass

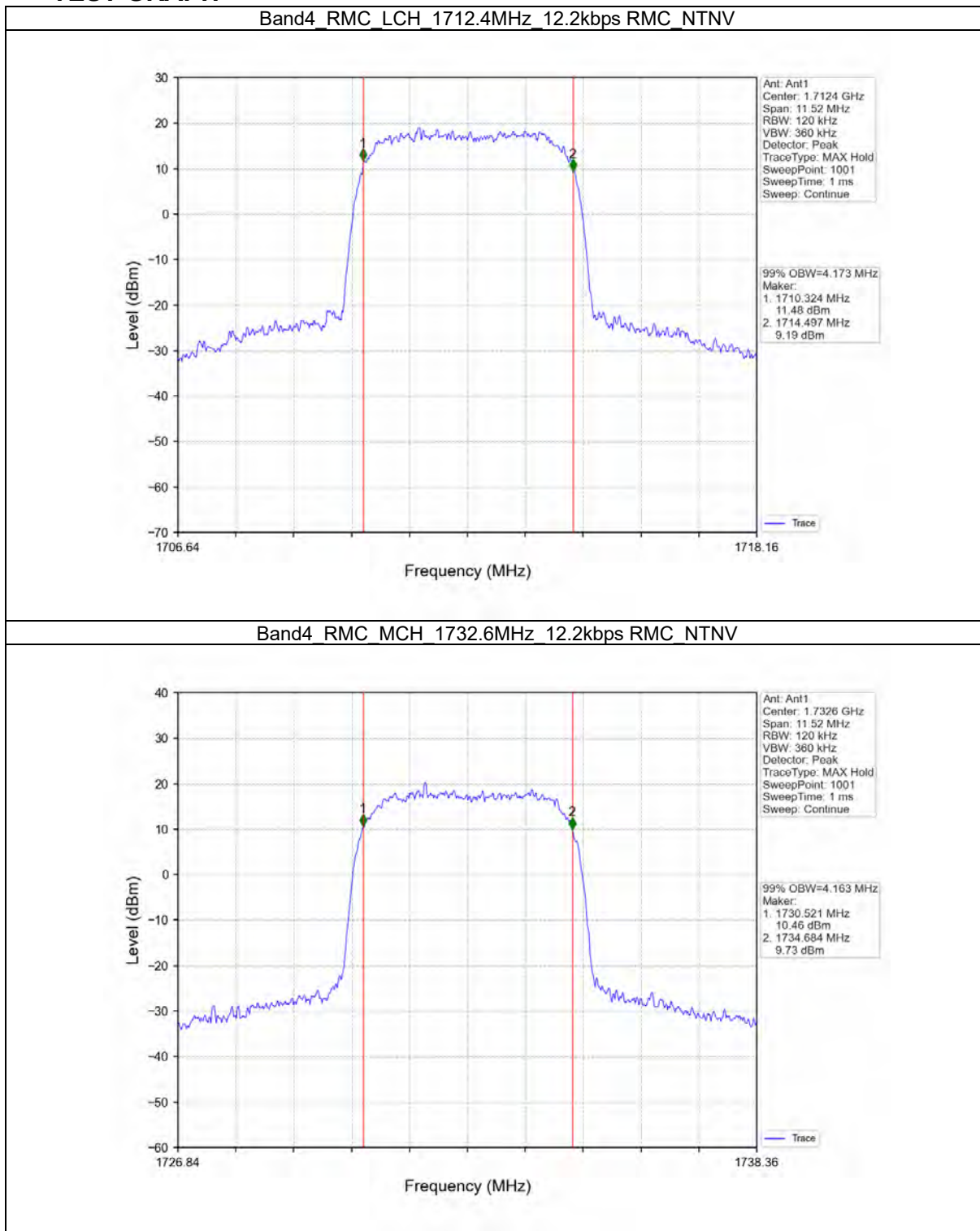


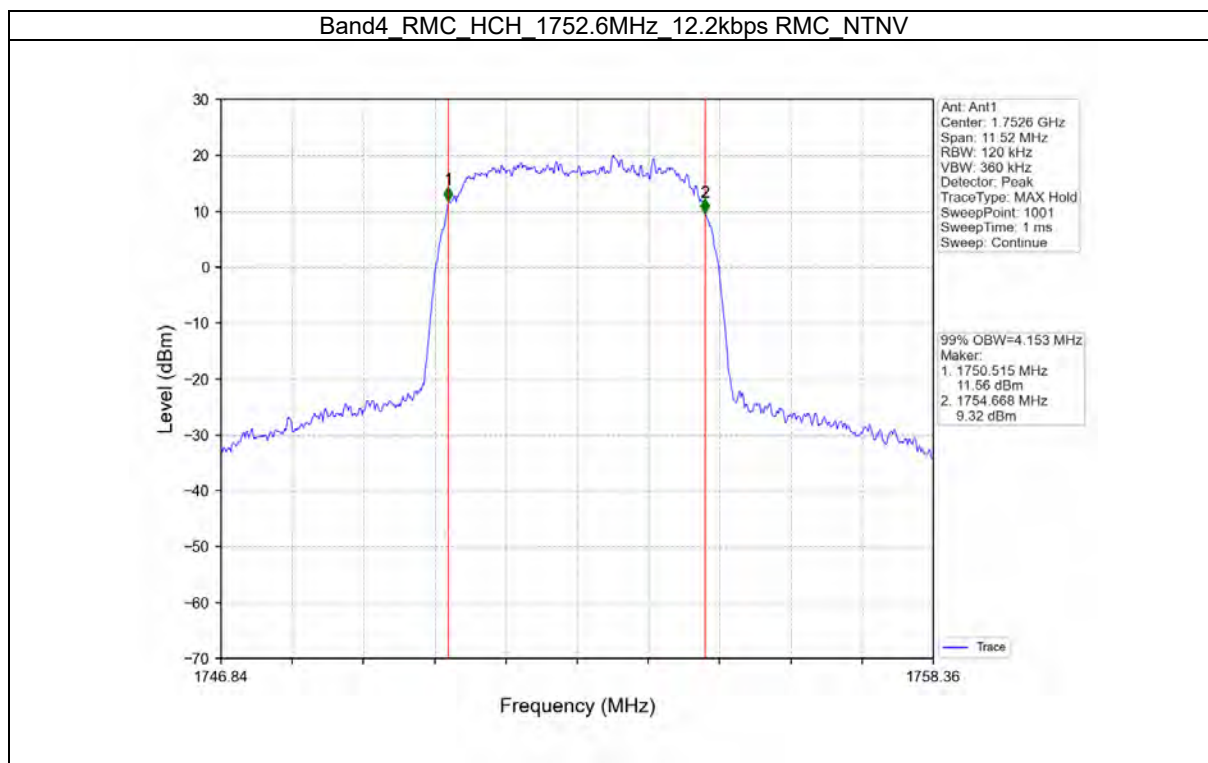
Test Report No.: W7L-P21100018-1RF06

99% & 26DB BANDWIDTH 99%_OBW TEST RESULT

Band: 4					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.173	Pass
			1732.6	4.163	Pass
			1752.6	4.153	Pass

TEST GRAPH





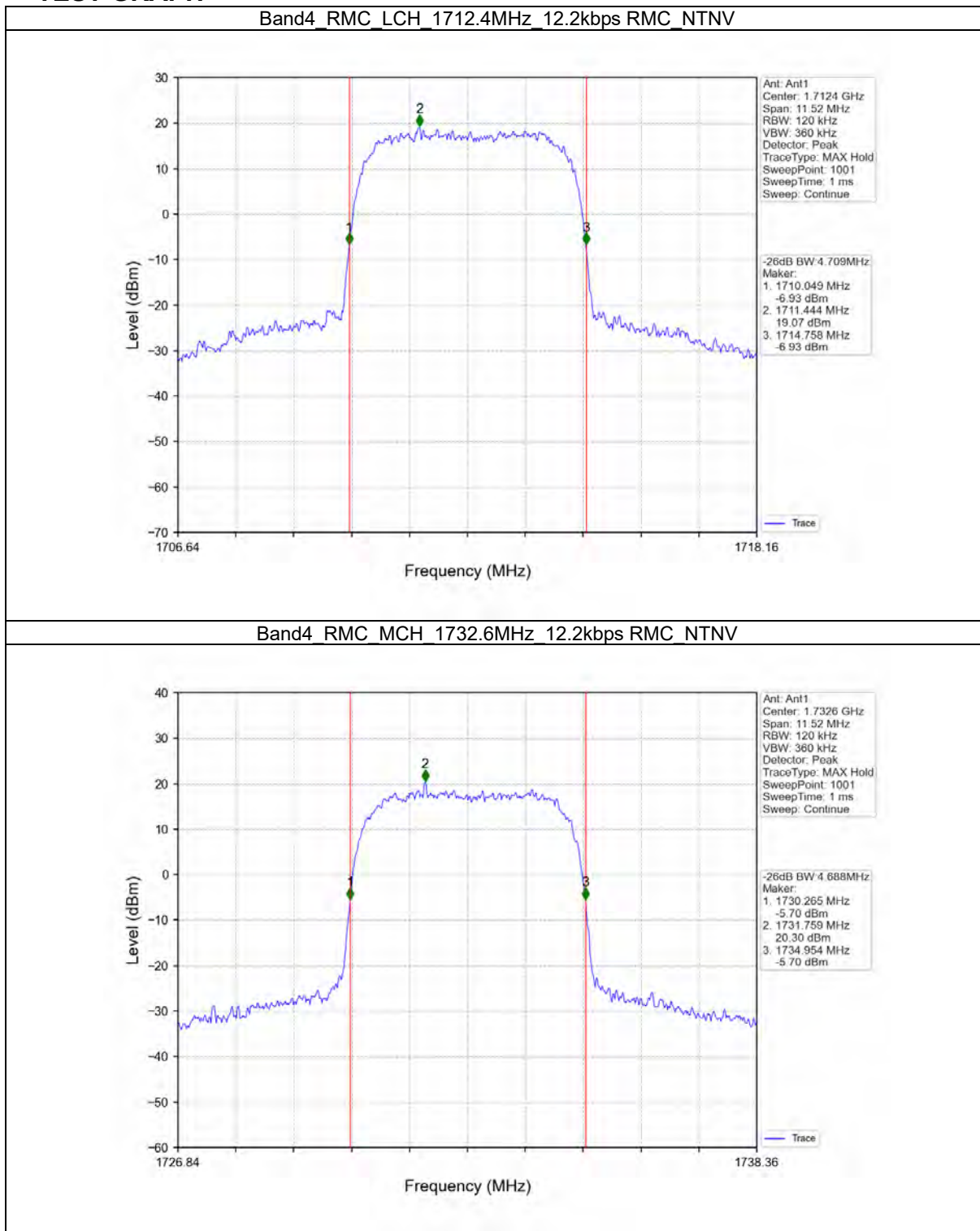


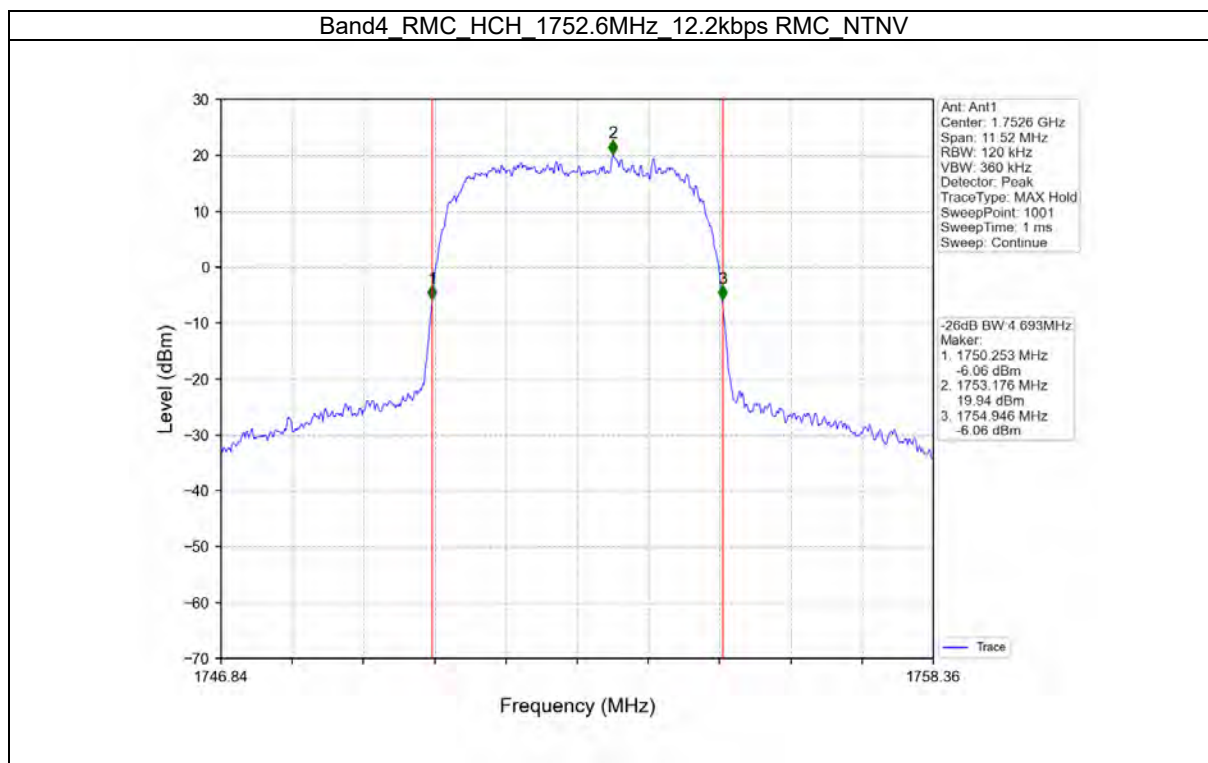
Test Report No.: W7L-P21100018-1RF06

BAND4_XDB TEST RESULT

Band: 4					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1712.4	4.709	Pass
			1732.6	4.688	Pass
			1752.6	4.693	Pass

TEST GRAPH





PEAK-AVERAGE RATIO TEST RESULT

Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.64	<=13	Pass
			1732.6	2.83	<=13	Pass
			1752.6	2.76	<=13	Pass

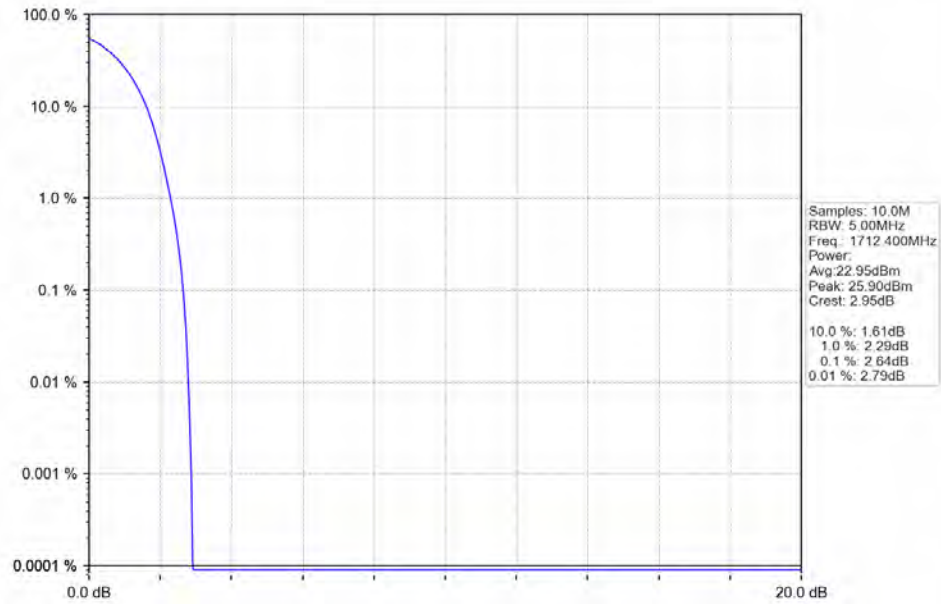


BUREAU
VERITAS

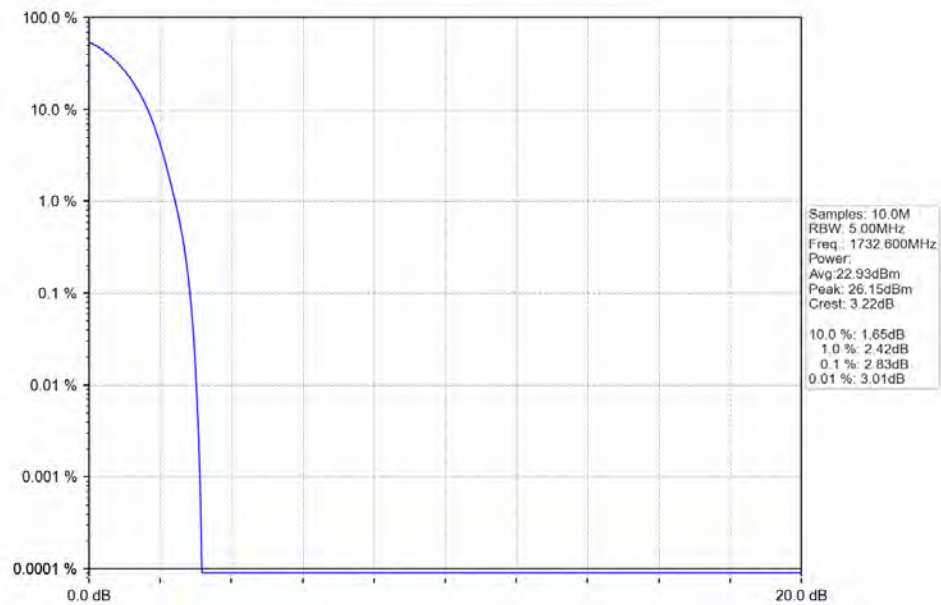
Test Report No.: W7L-P21100018-1RF06

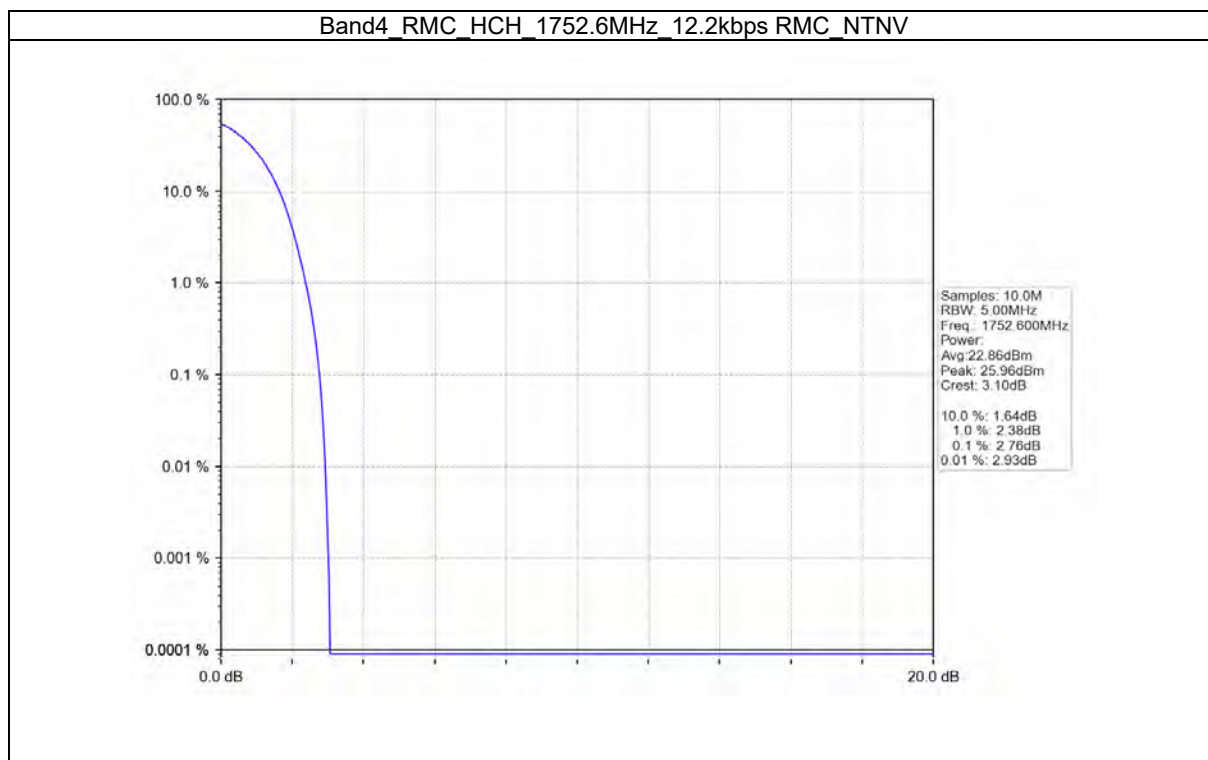
TEST GRAPH

Band4_RMC_LCH_1712.4MHz_12.2kbps_RMC_NTNV



Band4_RMC_MCH_1732.6MHz_12.2kbps_RMC_NTNV



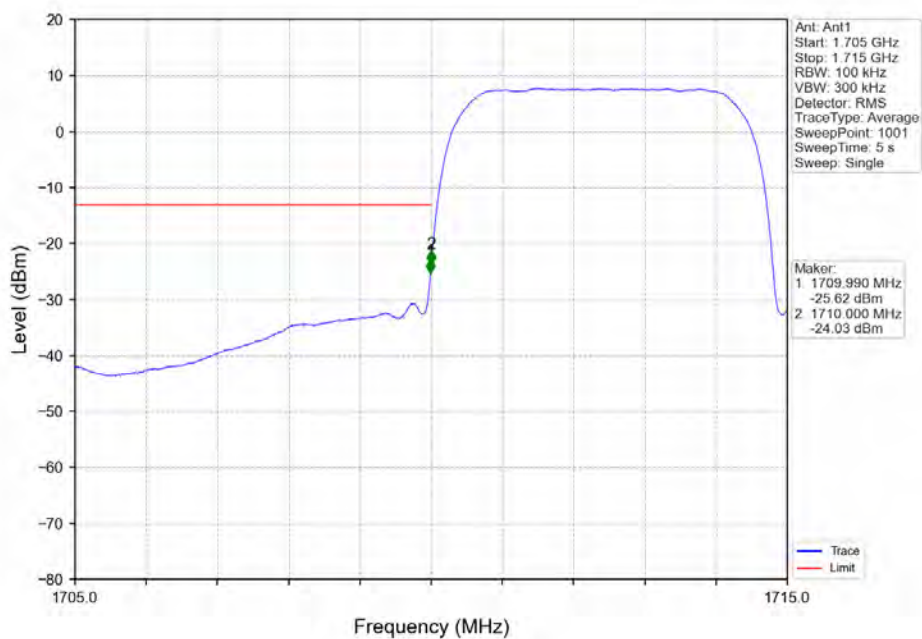


SPURIOUS EMISSION BAND4 TEST RESULT

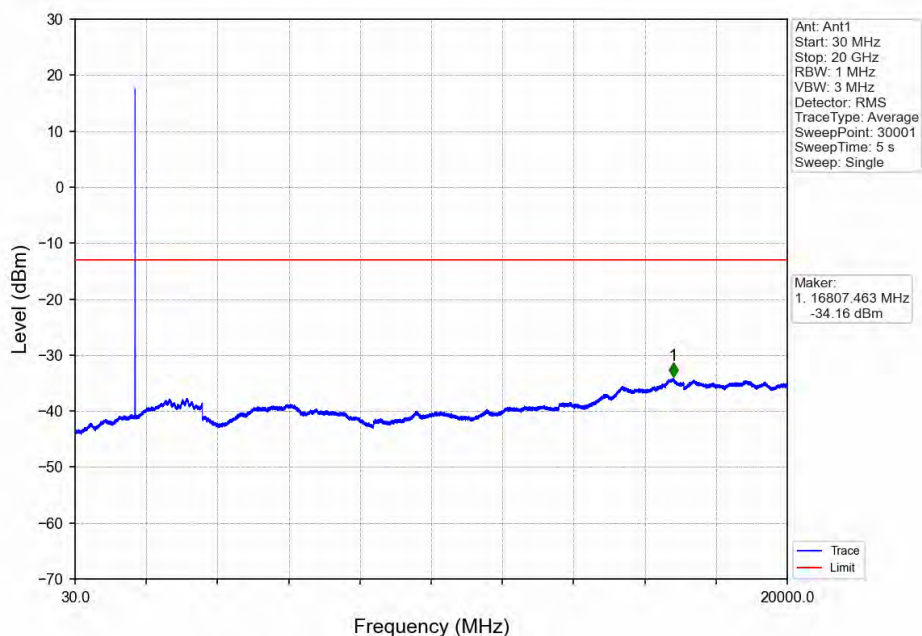
Band: 4						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	Refer To Test Graph		Pass
			1732.6	Refer To Test Graph		Pass
			1752.6	Refer To Test Graph		Pass

TEST GRAPH

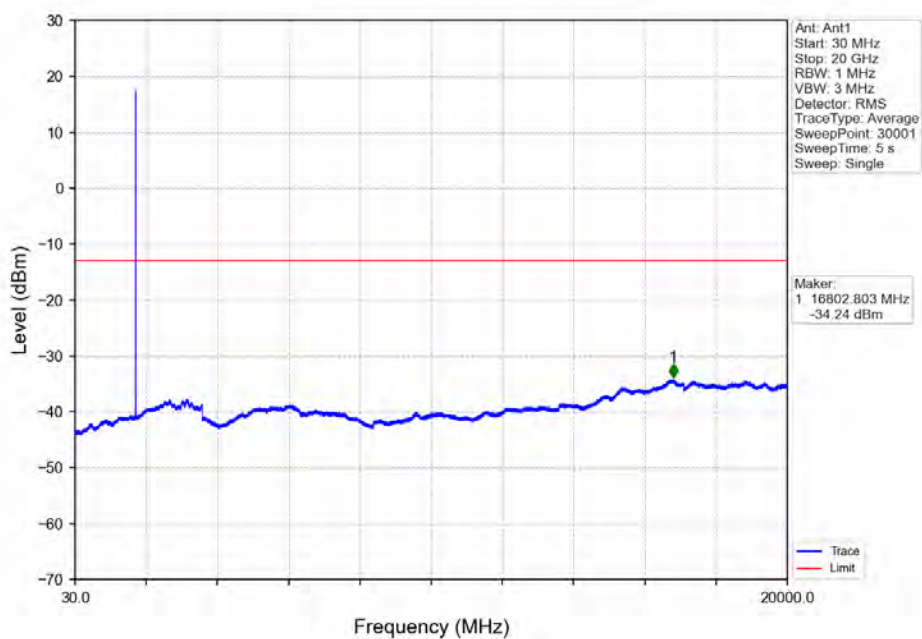
Band4_RMC_LCH_1712.4MHz_12.2kbps_RMC_NTNV



Band4_RMC_LCH_1712.4MHz_12.2kbps_RMC_NTNV



Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV

