

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	21.88	1.13	23.01	199.99	1
132322	1745	21.41	1.13	22.54	179.47	1
132647	1777.5	21.59	1.13	22.72	187.07	1

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	23.84	1.13	24.97	314.05	1
132322	1745	23.37	1.13	24.5	281.84	1
132622	1775	23.58	1.13	24.71	295.8	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	23.38	1.13	24.51	282.49	1
132322	1745	22.96	1.13	24.09	256.45	1
132622	1775	23.18	1.13	24.31	269.77	1

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	21.87	1.13	23	199.53	1
132322	1745	21.42	1.13	22.55	179.89	1
132622	1775	21.56	1.13	22.69	185.78	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	23.81	1.13	24.94	311.89	1
132322	1745	23.41	1.13	24.54	284.45	1
132597	1772.5	23.54	1.13	24.67	293.09	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1715	23.37	1.13	24.5	281.84	1
132322	1745	23.03	1.13	24.16	260.62	1
132622	1775	23.22	1.13	24.35	272.27	1

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1715	21.94	1.13	23.07	202.77	1
132322	1745	21.44	1.13	22.57	180.72	1
132622	1775	21.53	1.13	22.66	184.5	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	23.87	1.13	25	316.23	1
132322	1745	23.43	1.13	24.56	285.76	1
132572	1770	23.6	1.13	24.73	297.17	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	23.45	1.13	24.58	287.08	1
132322	1745	23.04	1.13	24.17	261.22	1
132572	1770	23.24	1.13	24.37	273.53	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G _T -L _c (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	21.95	1.13	23.08	203.24	1
132322	1745	21.46	1.13	22.59	181.55	1
132572	1770	21.61	1.13	22.74	187.93	1



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Test Report No.: W7L-P22070038RF06

LTE BAND CA_7C

CHANNEL BANDWIDTH: 10MHz+20MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20805	2505.5	20949	2519.9	22.36	-0.85	21.51	141.58	2
21006	2525.6	21150	2540.0	22.31	-0.85	21.46	139.96	2
21206	2545.6	21350	2560.0	22.32	-0.85	21.47	140.28	2

CHANNEL BANDWIDTH: 10MHz+20MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20805	2505.5	20949	2519.9	21.77	-0.85	20.92	123.59	2
21006	2525.6	21150	2540.0	21.73	-0.85	20.88	122.46	2
21206	2545.6	21350	2560.0	21.67	-0.85	20.82	120.78	2

CHANNEL BANDWIDTH: 10MHz+20MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20805	2505.5	20949	2519.9	20.98	-0.85	20.13	103.04	2
21006	2525.6	21150	2540.0	21.03	-0.85	20.18	104.23	2
21206	2545.6	21350	2560.0	21.01	-0.85	20.16	103.75	2

CHANNEL BANDWIDTH: 15MHz+10MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20945	2519.5	22.4	-0.85	21.55	142.89	2
21051	2530.1	21171	2542.1	22.37	-0.85	21.52	141.91	2
21227	2552.7	21397	2564.7	22.33	-0.85	21.48	140.6	2

CHANNEL BANDWIDTH: 15MHz+10MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20945	2519.5	21.74	-0.85	20.89	122.74	2
21051	2530.1	21171	2542.1	21.67	-0.85	20.82	120.78	2
21227	2552.7	21397	2564.7	21.7	-0.85	20.85	121.62	2

CHANNEL BANDWIDTH: 15MHz+10MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20945	2519.5	20.96	-0.85	20.11	102.57	2
21051	2530.1	21171	2542.1	21.06	-0.85	20.21	104.95	2
21227	2552.7	21397	2564.7	21	-0.85	20.15	103.51	2

CHANNEL BANDWIDTH: 15MHz+15MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20975	2522.5	22.34	-0.85	21.49	140.93	2
21025	2527.5	21175	2542.5	22.34	-0.85	21.49	140.93	2
21225	2547.5	21375	2562.5	22.36	-0.85	21.51	141.58	2

CHANNEL BANDWIDTH: 15MHz+15MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20975	2522.5	21.77	-0.85	20.92	123.59	2
21025	2527.5	21175	2542.5	21.73	-0.85	20.88	122.46	2
21225	2547.5	21375	2562.5	21.64	-0.85	20.79	119.95	2

CHANNEL BANDWIDTH: 15MHz+15MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20975	2522.5	21.01	-0.85	20.16	103.75	2
21025	2527.5	21175	2542.5	21.06	-0.85	20.21	104.95	2
21225	2547.5	21375	2562.5	20.99	-0.85	20.14	103.28	2

CHANNEL BANDWIDTH: 15MHz+20MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20828	2507.8	20999	2524.9	22.32	-0.85	21.47	140.28	2
21003	2525.3	21174	2542.4	22.29	-0.85	21.44	139.32	2
21179	2542.9	21350	2560	22.32	-0.85	21.47	140.28	2

CHANNEL BANDWIDTH: 15MHz+20MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20828	2507.8	20999	2524.9	21.39	-0.85	20.54	113.24	2
21003	2525.3	21174	2542.4	21.29	-0.85	20.44	110.66	2
21179	2542.9	21350	2560	21.42	-0.85	20.57	114.02	2

CHANNEL BANDWIDTH: 15MHz+20MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-Lc} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20828	2507.8	20999	2524.9	20.69	-0.85	19.84	96.38	2
21003	2525.3	21174	2542.4	20.62	-0.85	19.77	94.84	2
21179	2542.9	21350	2560	20.7	-0.85	19.85	96.61	2

CHANNEL BANDWIDTH: 20MHz+10MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20994	2524.4	22.41	-0.85	21.56	143.22	2
21051	2530.1	21195	2544.5	22.34	-0.85	21.49	140.93	2
21251	2550.1	21395	2564.5	22.34	-0.85	21.49	140.93	2

CHANNEL BANDWIDTH: 20MHz+10MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20994	2524.4	21.77	-0.85	20.92	123.59	2
21051	2530.1	21195	2544.5	21.71	-0.85	20.86	121.9	2
21251	2550.1	21395	2564.5	21.66	-0.85	20.81	120.5	2

CHANNEL BANDWIDTH: 20MHz+10MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20994	2524.4	21	-0.85	20.15	103.51	2
21051	2530.1	21195	2544.5	21.03	-0.85	20.18	104.23	2
21251	2550.1	21395	2564.5	20.98	-0.85	20.13	103.04	2

CHANNEL BANDWIDTH: 20MHz+15MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21021	2527.1	22.39	-0.85	21.54	142.56	2
21026	2527.6	21197	2544.7	22.35	-0.85	21.5	141.25	2
21201	2545.1	21372	2562.2	22.37	-0.85	21.52	141.91	2

CHANNEL BANDWIDTH: 20MHz+15MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21021	2527.1	21.45	-0.85	20.6	114.82	2
21026	2527.6	21197	2544.7	21.41	-0.85	20.56	113.76	2
21201	2545.1	21372	2562.2	21.46	-0.85	20.61	115.08	2

CHANNEL BANDWIDTH: 20MHz+15MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21021	2527.1	20.74	-0.85	19.89	97.5	2
21026	2527.6	21197	2544.7	20.71	-0.85	19.86	96.83	2
21201	2545.1	21372	2562.2	20.68	-0.85	19.83	96.16	2

CHANNEL BANDWIDTH: 20MHz+20MHz QPSK

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21048	2529.8	22.42	-0.85	21.57	143.55	2
21001	2525.1	21199	2544.9	22.39	-0.85	21.54	142.56	2
21152	2540.2	21350	2560.0	22.38	-0.85	21.53	142.23	2

CHANNEL BANDWIDTH: 20MHz+20MHz 16QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21048	2529.8	21.82	-0.85	20.97	125.03	2
21001	2525.1	21199	2544.9	21.75	-0.85	20.9	123.03	2
21152	2540.2	21350	2560.0	21.72	-0.85	20.87	122.18	2

CHANNEL BANDWIDTH: 20MHz+20MHz 64QAM

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Conducted Power (dBm)	G _{T-LC} (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21048	2529.8	21.02	-0.85	20.17	103.99	2
21001	2525.1	21199	2544.9	21.11	-0.85	20.26	106.17	2
21152	2540.2	21350	2560.0	21.05	-0.85	20.2	104.71	2

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

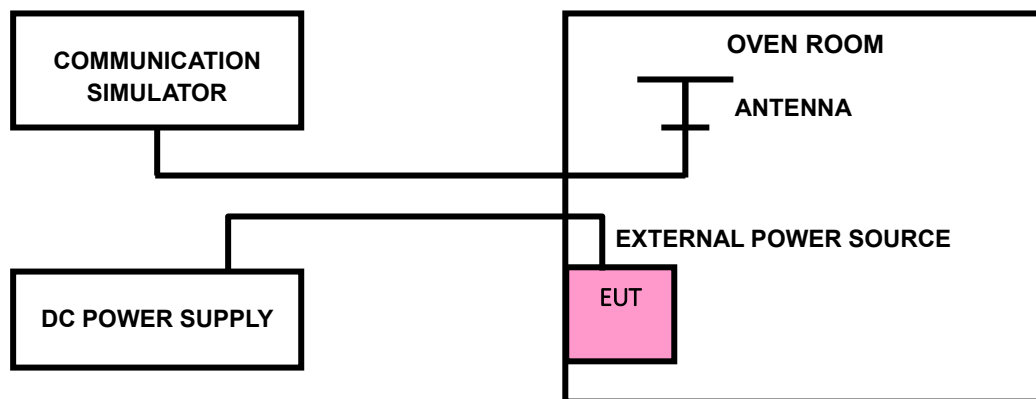
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

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



3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.

LTE BAND CA_7C

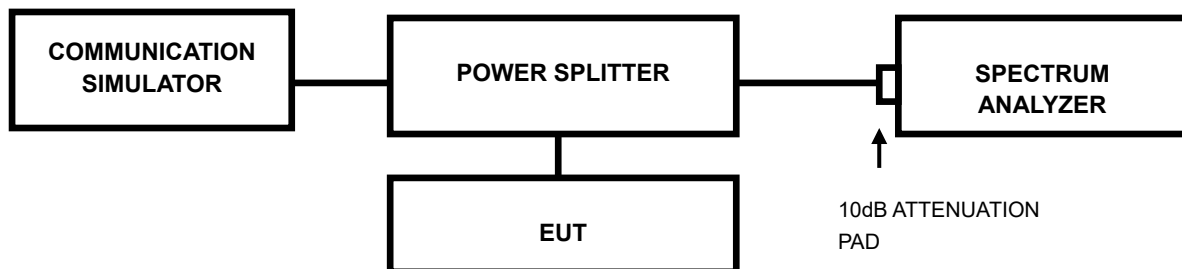
LTE BAND CA_7C channel and Frequency List					
BW(MHz)	Channel/Frequency(MHz)		Lowest	Middle	Highest
10+20	PCC	channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	channel	20949	21150	21350
		Frequency	2519.9	2540	2560
15+10	PCC	channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7
15+15	PCC	channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15+20	PCC	channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560
20+10	PCC	channel	20850	21051	21251
		Frequency	2510	2530.1	2550.1
	SCC	channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
20+15	PCC	channel	20850	21026	21201
		Frequency	2510	2527.6	2545.1
	SCC	channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
20+20	PCC	channel	20850	21001	21152
		Frequency	2510	2525.1	2540.2
	SCC	channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560

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

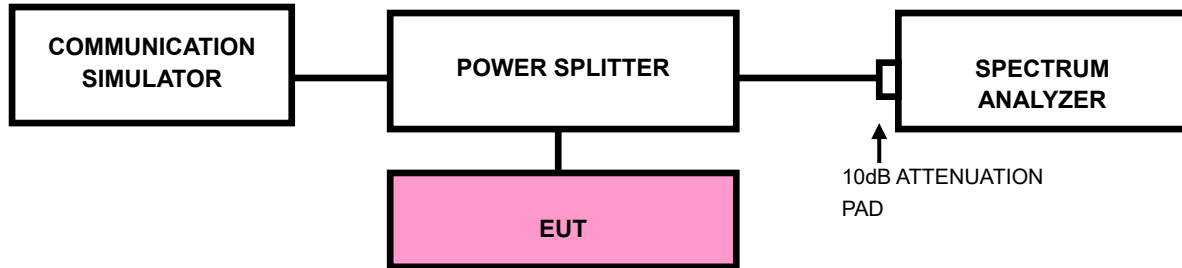
According to FCC 27.53(c) specified that For operations in the 746-758 MHz band and the 776-788 MHz band , the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emission in an 6.25kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P(dBW), by at least $65 + 10 \log 10p(P)$, dB, for mobile and portable equipment.

According to FCC 27.53(g) specified that 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. 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.

According to FCC 27.53(h) specified that For operations in the 1710-1755 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. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

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

- All measurements were done at low and high operational frequency range.
- The center frequency of spectrum is the band edge frequency and span is 1~5 MHz.
RBW of the spectrum is 10kHz and VBW of the spectrum is 30kHz (LTE bandwidth for (1.4M/3M/5M/10M/15M/20M)1RB/0RB&1RB/MAXRB).
- The center frequency of spectrum is the band edge frequency and span is 10MHz.
RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).
- The center frequency of spectrum is the band edge frequency and span is 1~5 MHz.
RBW of the spectrum is $\geq 1\% \cdot \text{EBW kHz}$ and VBW of the spectrum is $3 \cdot \text{RBW kHz}$.
(LTE bandwidth 1.4M/3M/5M/10M/15M/20MHz).
- 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 of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

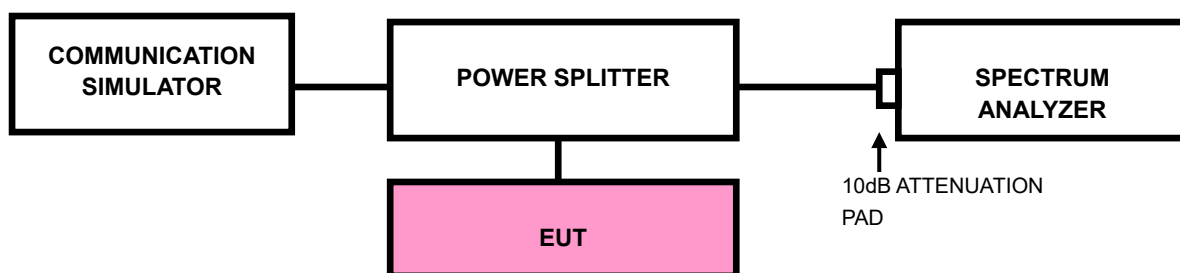
For: LTE Band7

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 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





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3.5.4 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

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 of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

For: LTE Band7/ Band41

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. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}$.

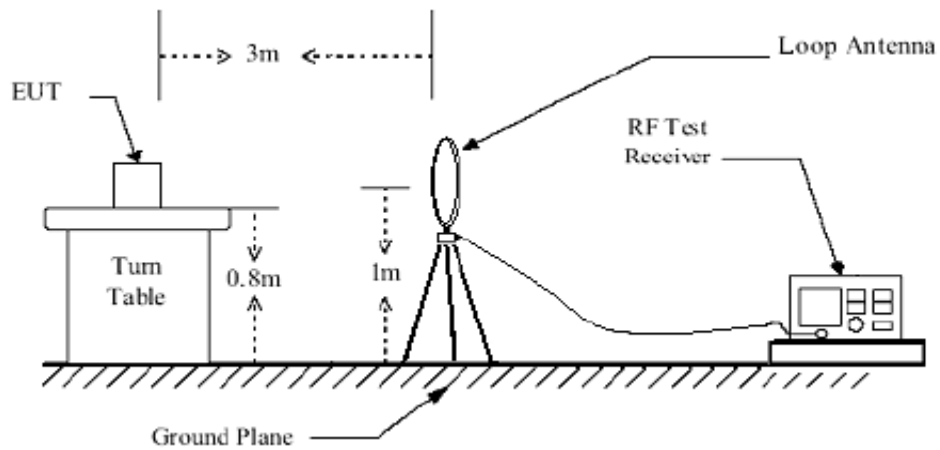
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

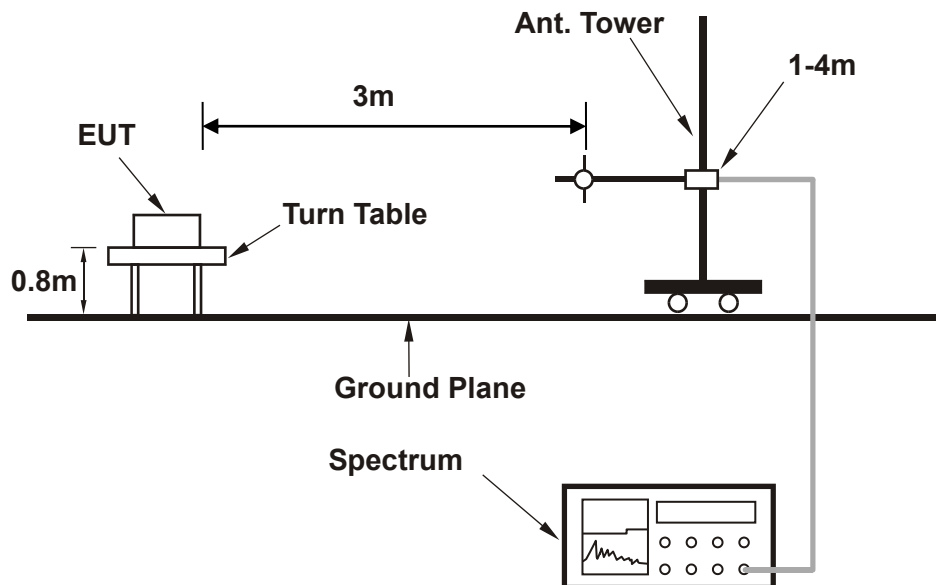
No deviation

3.6.4 TEST SETUP

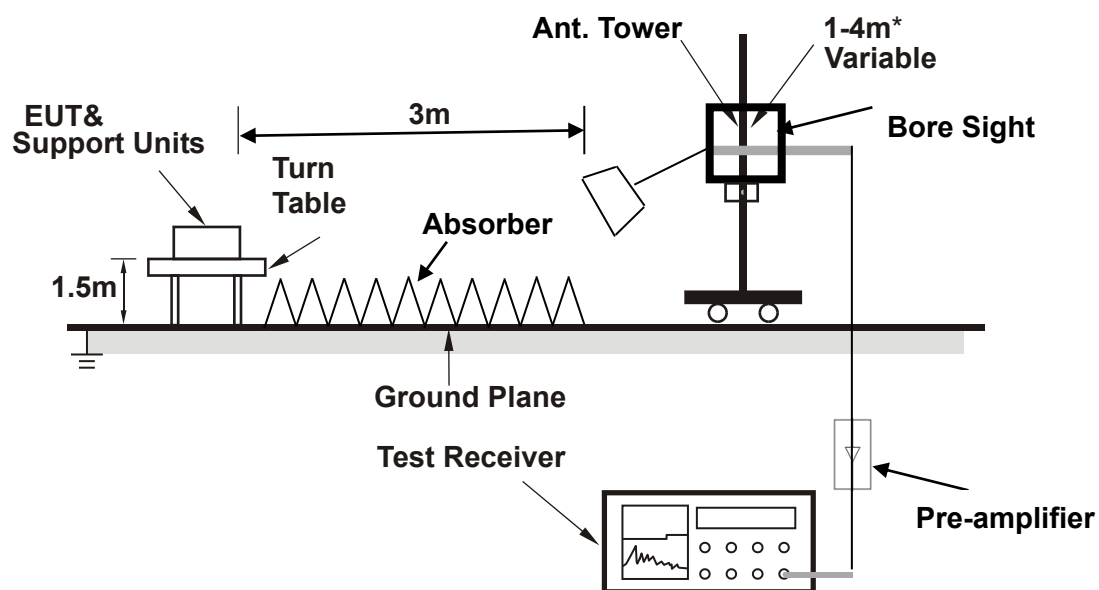
< Frequency Range below 30MHz >



< 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

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

BELOW 1GHz WORST-CASE DATA

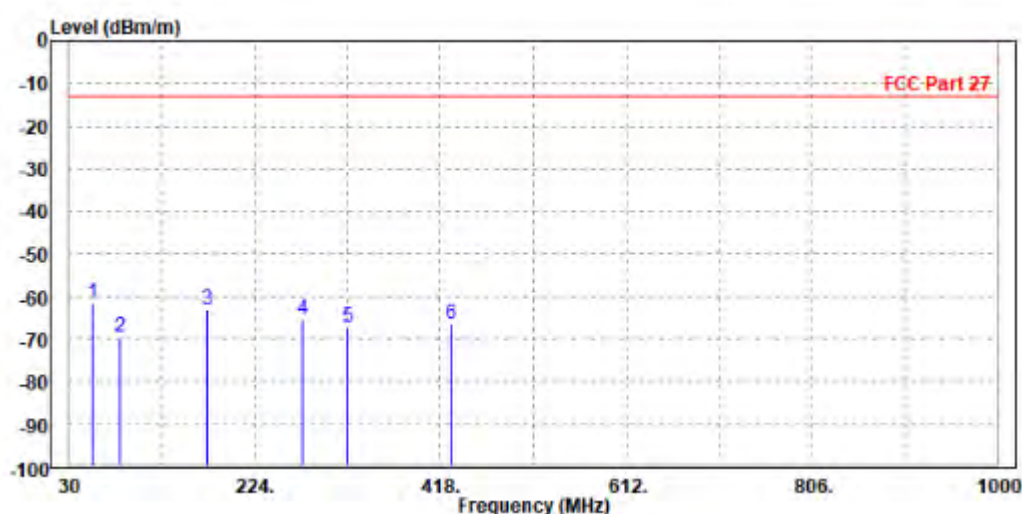
30 MHz – 1GHz data:

LTE Band 13

CHANNEL BANDWIDTH: 5MHz / QPSK

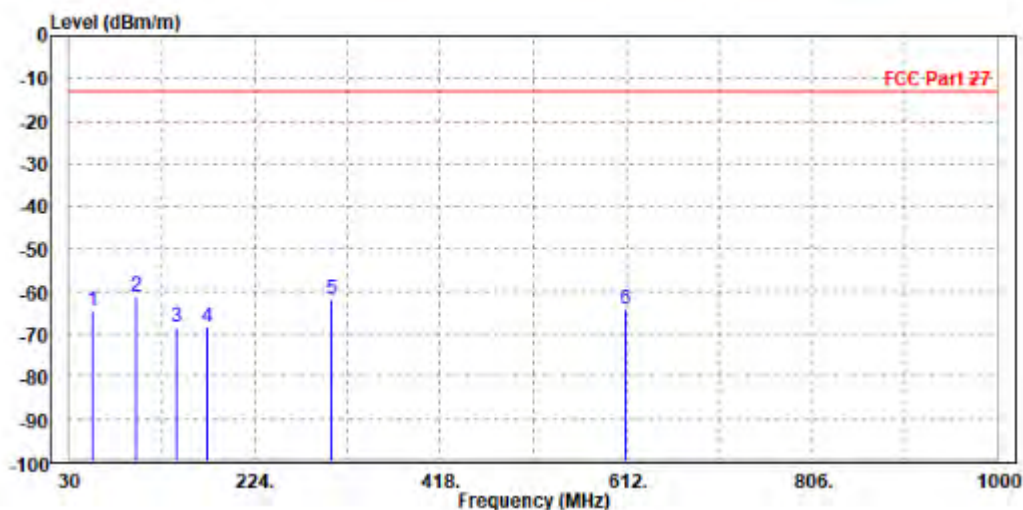
MODE	TX channel 23255	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	55.220	-61.60	-43.70	-13.00	-48.60	-17.90	Peak	Horizontal
2	83.350	-69.77	-48.41	-13.00	-56.77	-21.36	Peak	Horizontal
3	173.560	-63.10	-46.11	-13.00	-50.10	-16.99	Peak	Horizontal
4	274.440	-65.54	-53.59	-13.00	-52.54	-11.95	Peak	Horizontal
5	321.000	-67.15	-55.20	-13.00	-54.15	-11.95	Peak	Horizontal
6	429.640	-66.68	-57.18	-13.00	-53.68	-9.50	Peak	Horizontal



MODE	TX channel 23255	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	55.220	-64.60	-40.27	-13.00	-51.60	-24.33	Peak	Vertical
2 PP	99.840	-61.29	-54.78	-13.00	-48.29	-6.51	Peak	Vertical
3	141.550	-68.57	-54.83	-13.00	-55.57	-13.74	Peak	Vertical
4	173.560	-68.44	-50.39	-13.00	-55.44	-18.05	Peak	Vertical
5	303.540	-61.87	-51.12	-13.00	-48.87	-10.75	Peak	Vertical
6	612.000	-64.41	-58.37	-13.00	-51.41	-6.04	Peak	Vertical





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Test Report No.: W7L-P22070038RF06

ABOVE 1GHz

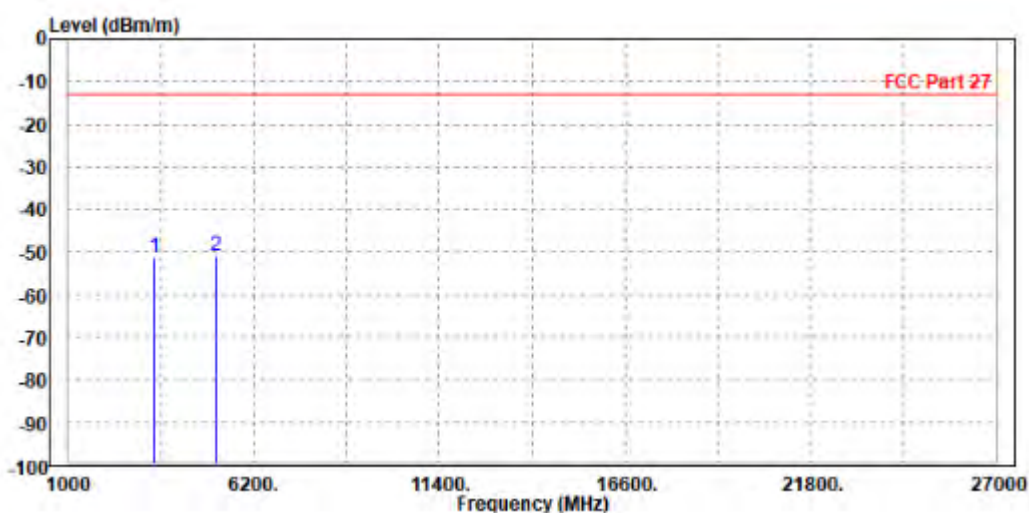
Note: For higher frequency, the emission is too low to be detected.

WCDMA Band IV:

CH 1312

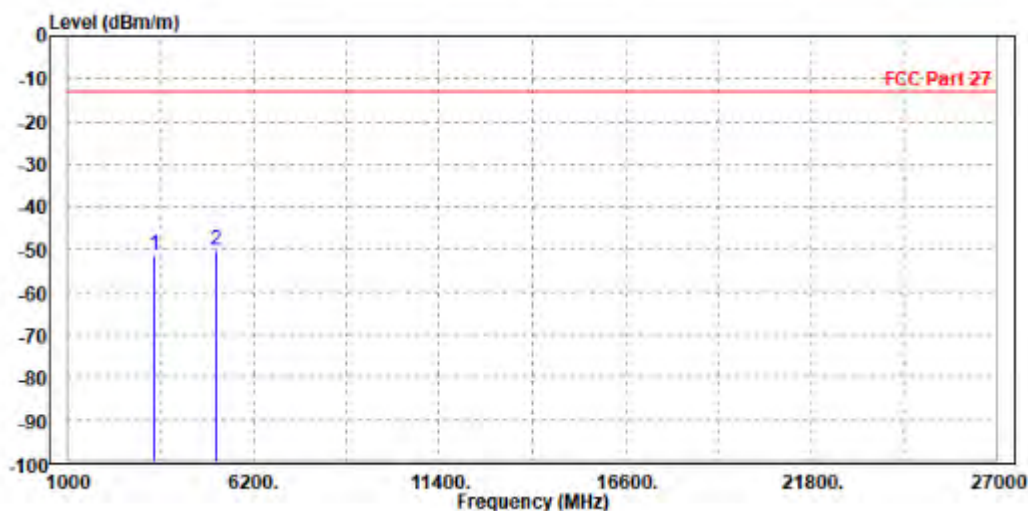
MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3418.000	-51.43	-58.64	-13.00	-38.43	7.21	Peak	Horizontal
2 PP	5137.200	-50.98	-60.88	-13.00	-37.98	9.90	Peak	Horizontal



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			

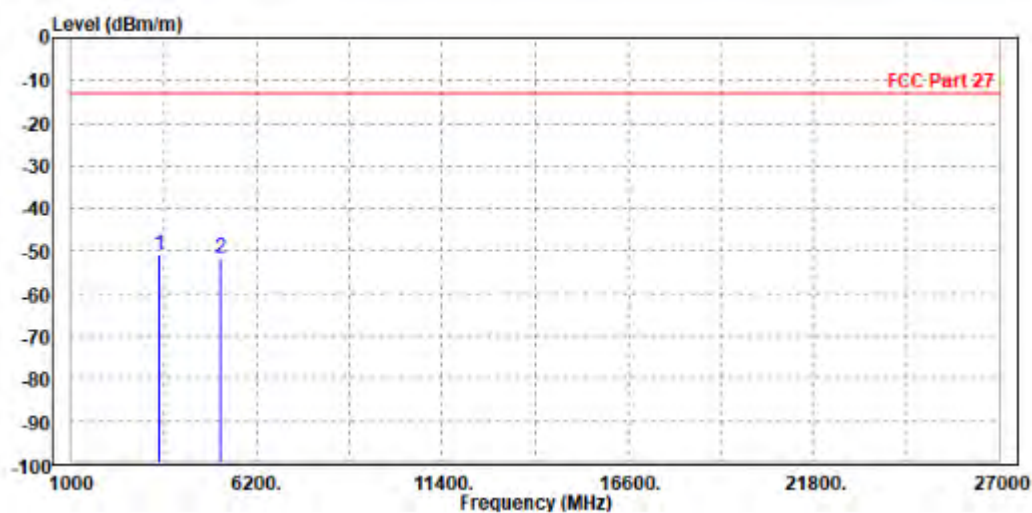
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3424.800	-51.29	-58.49	-13.00	-38.29	7.20	Peak	Vertical
2 PP	5137.200	-50.16	-60.55	-13.00	-37.16	10.39	Peak	Vertical



CH 1413

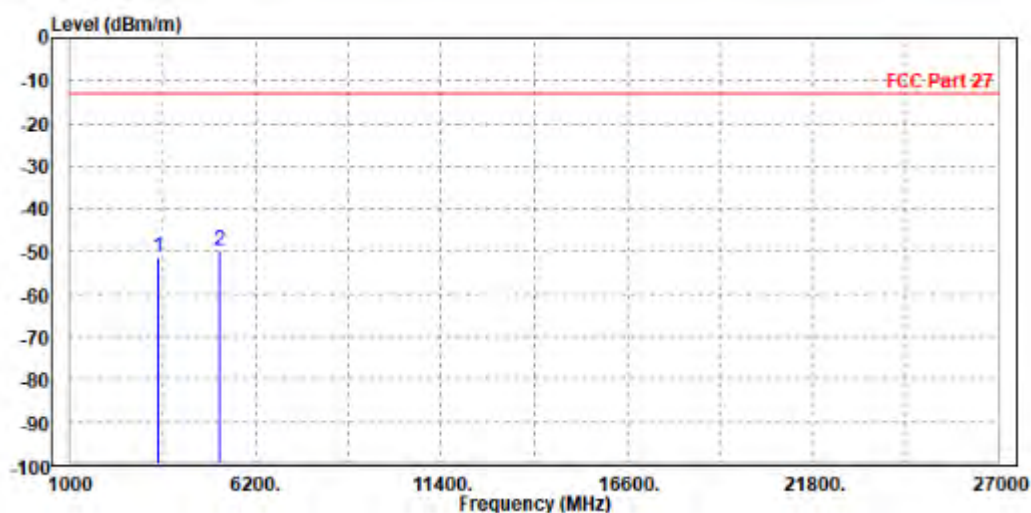
MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3470.000	-51.10	-58.38	-13.00	-38.10	7.28	Peak	Horizontal
2	5197.800	-51.76	-61.76	-13.00	-38.76	10.00	Peak	Horizontal



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			

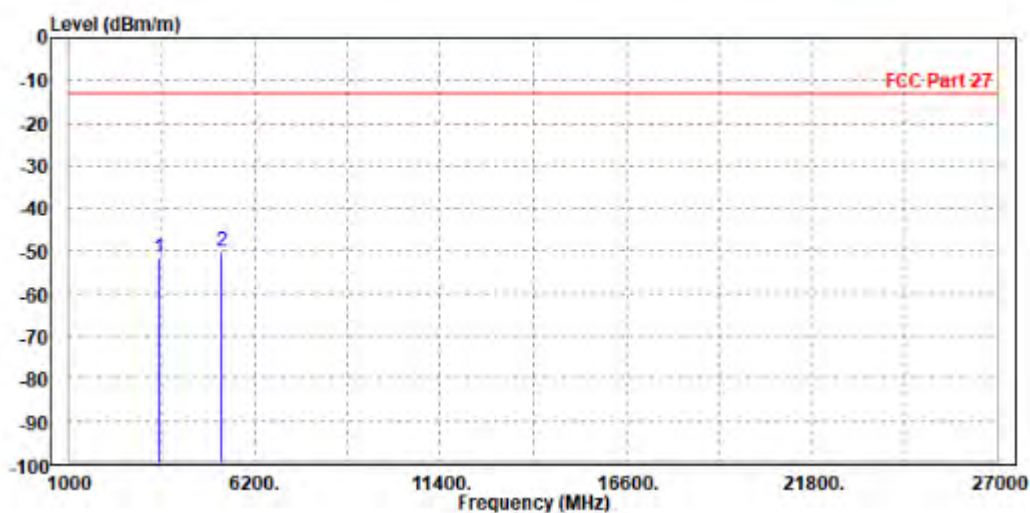
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3470.000	-51.45	-58.72	-13.00	-38.45	7.27	Peak	Vertical
2 PP	5197.800	-49.95	-60.40	-13.00	-36.95	10.45	Peak	Vertical



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3496.000	-51.65	-58.97	-13.00	-38.65	7.32	Peak	Horizontal
2 PP	5257.800	-50.20	-60.29	-13.00	-37.20	10.09	Peak	Horizontal



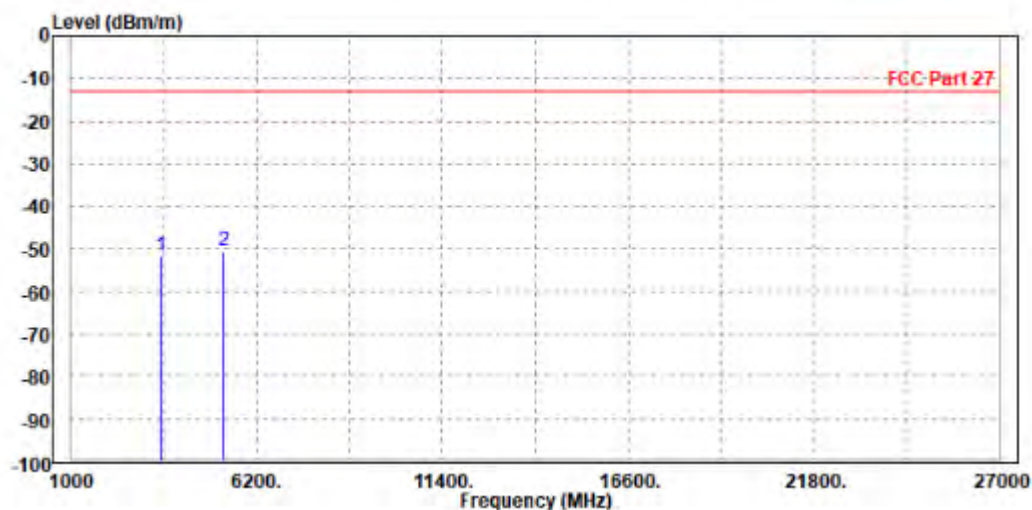


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Test Report No.: W7L-P22070038RF06

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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3496.000	-51.54	-58.85	-13.00	-38.54	7.31	Peak	Vertical
2 PP	5257.800	-50.58	-61.08	-13.00	-37.58	10.50	Peak	Vertical



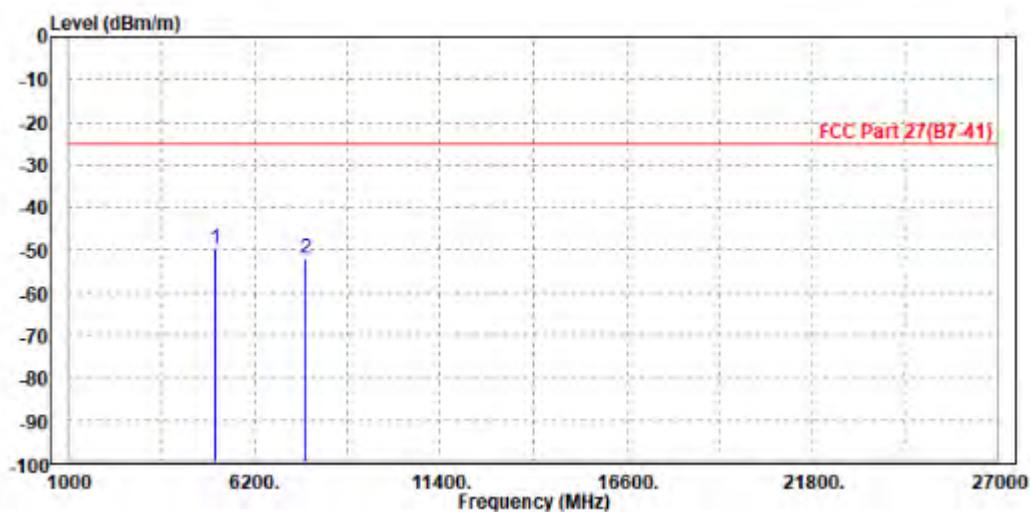


Test Report No.: W7L-P22070038RF06

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

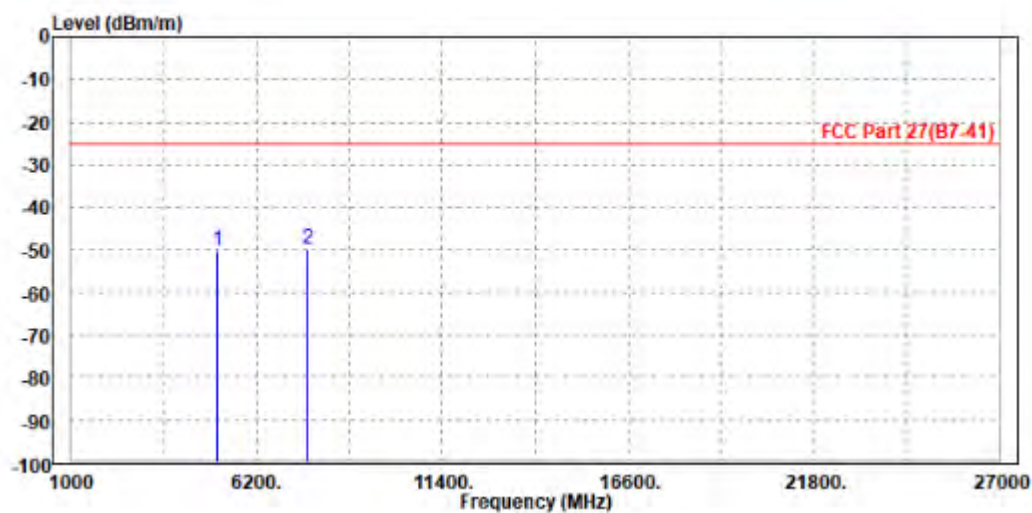
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		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	-49.68	-59.50	-25.00	-24.68	9.82	Peak	Horizontal
2		7605.000	-52.26	-64.44	-25.00	-27.26	12.18	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	5082.000	-50.05	-60.39	-25.00	-25.05	10.34	Peak	Vertical
2 PP	7605.000	-49.90	-64.75	-25.00	-24.90	14.85	Peak	Vertical



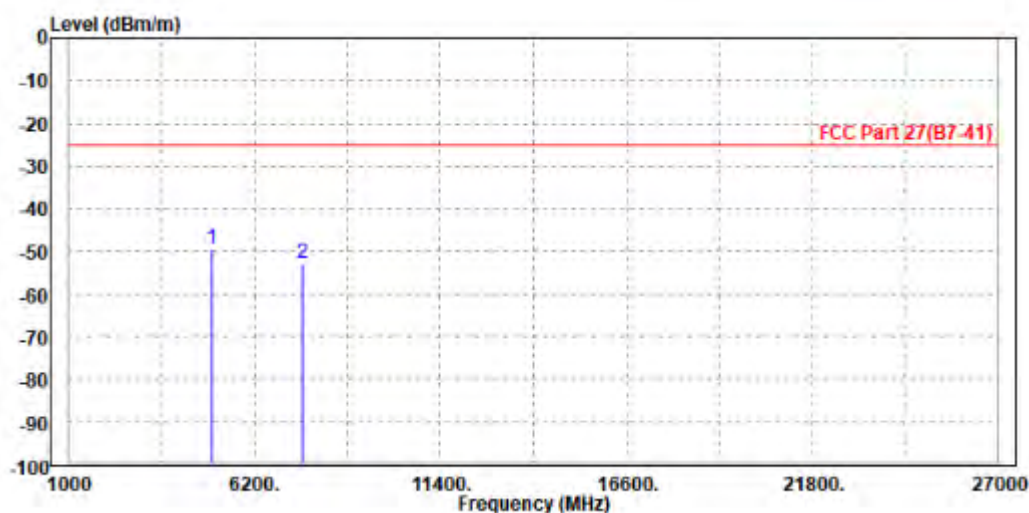


Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 10MHz / QPSK
CH20800

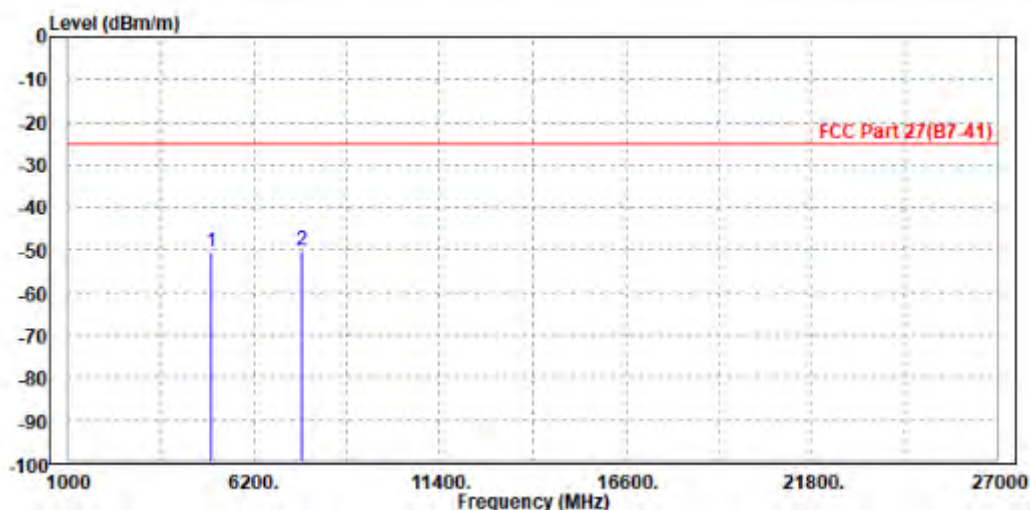
MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5004.000	-49.43	-59.13	-25.00	-24.43	9.70	Peak	Horizontal
2	7515.000	-52.98	-64.51	-25.00	-27.98	11.53	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5004.000	-50.43	-60.70	-25.00	-25.43	10.27	Peak	Vertical
2 PP	7515.000	-50.18	-64.90	-25.00	-25.18	14.72	Peak	Vertical





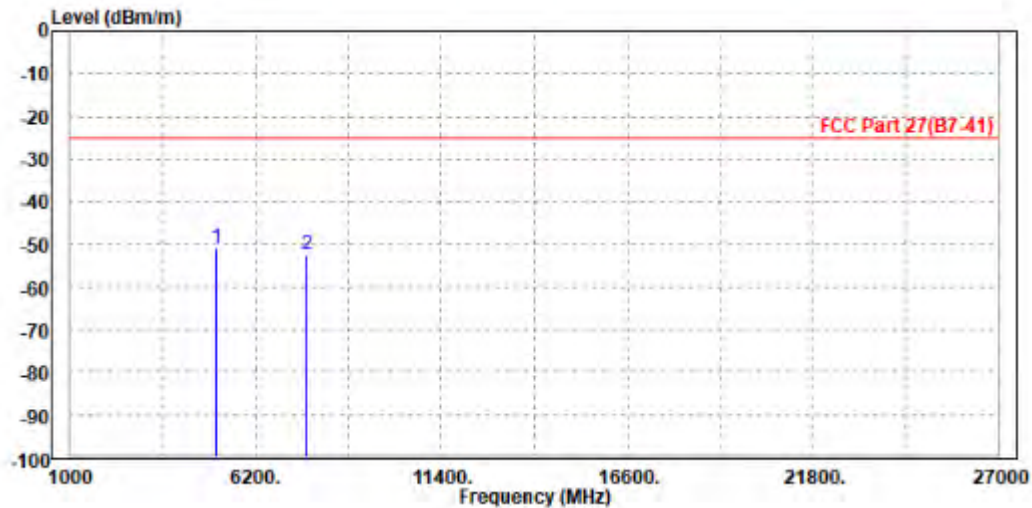
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Test Report No.: W7L-P22070038RF06

CH21100

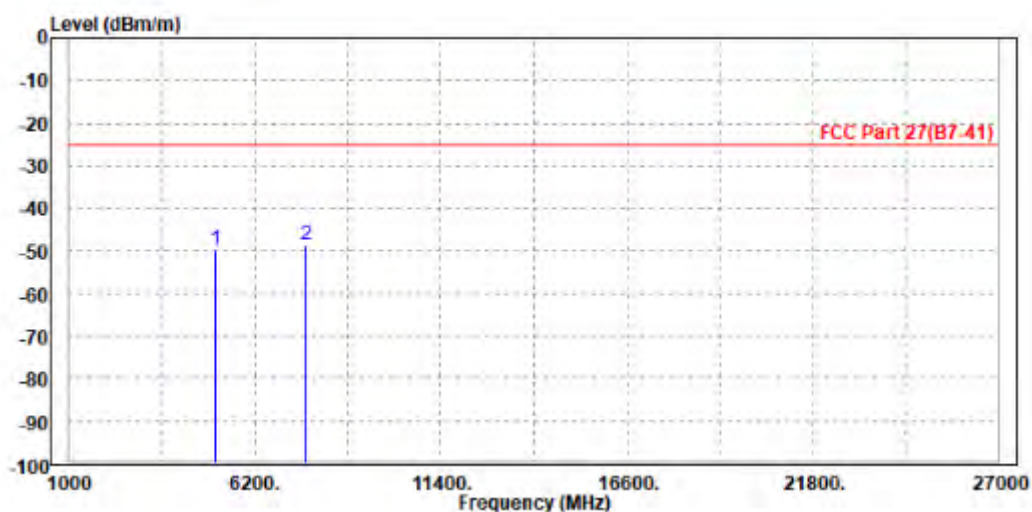
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-50.77	-60.59	-25.00	-25.77	9.82	Peak	Horizontal
2	7605.000	-52.50	-64.68	-25.00	-27.50	12.18	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	5082.000	-49.84	-60.18	-25.00	-24.84	10.34	Peak	Vertical
2 PP	7605.000	-48.66	-63.51	-25.00	-23.66	14.85	Peak	Vertical





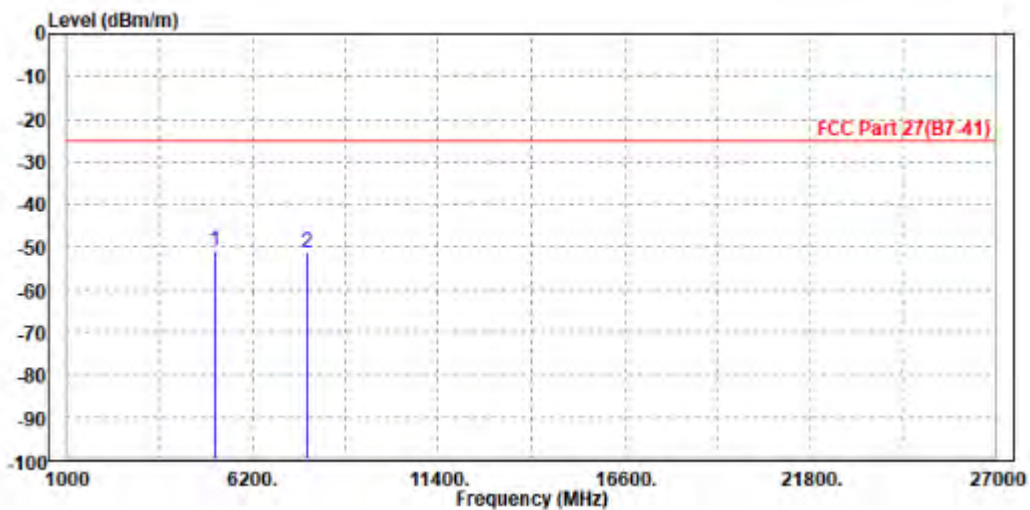
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Test Report No.: W7L-P22070038RF06

CH21400

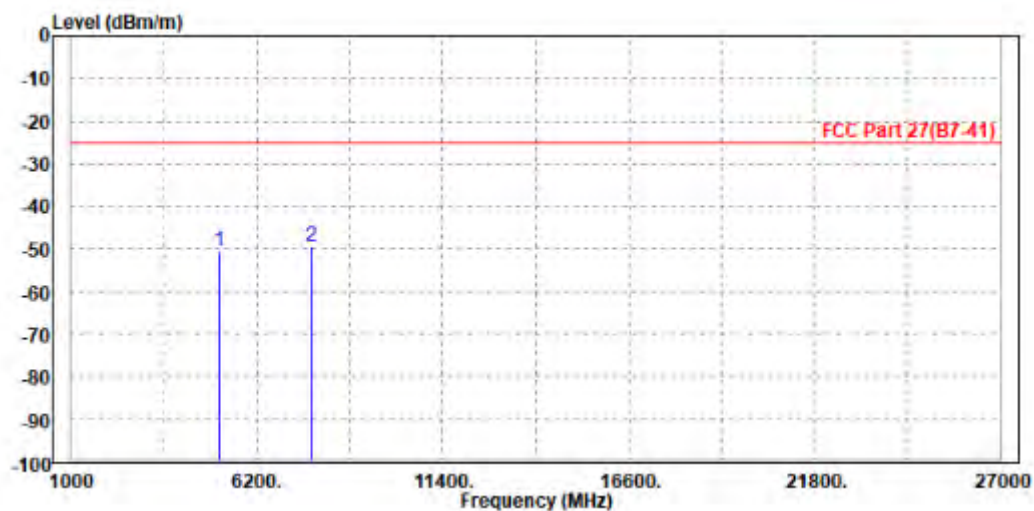
MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	5134.000	-50.95	-60.85	-25.00	-25.95	9.90	Peak	Horizontal
2		7695.000	-51.27	-64.10	-25.00	-26.27	12.83	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5134.000	-50.39	-60.78	-25.00	-25.39	10.39	Peak	Vertical
2 PP	7695.000	-49.47	-64.46	-25.00	-24.47	14.99	Peak	Vertical





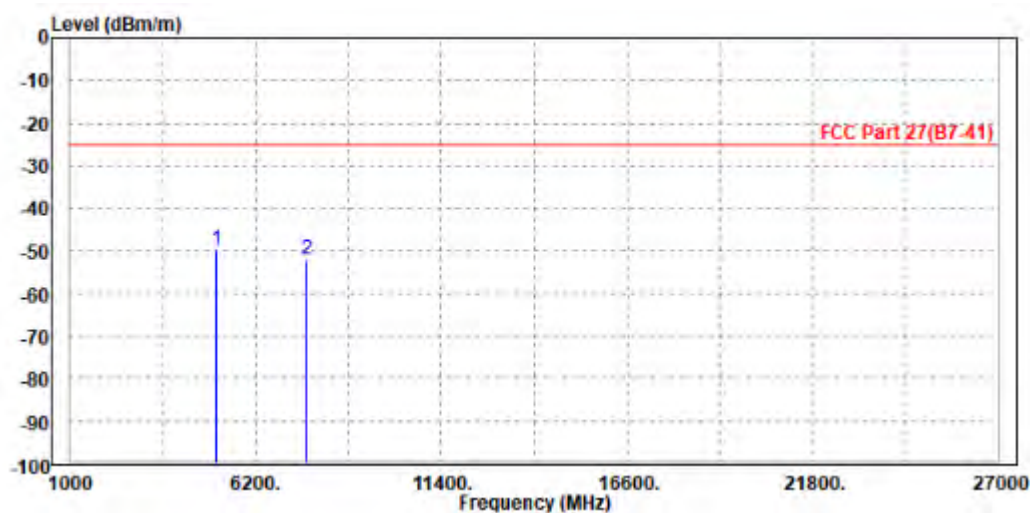
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Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 15MHz / QPSK

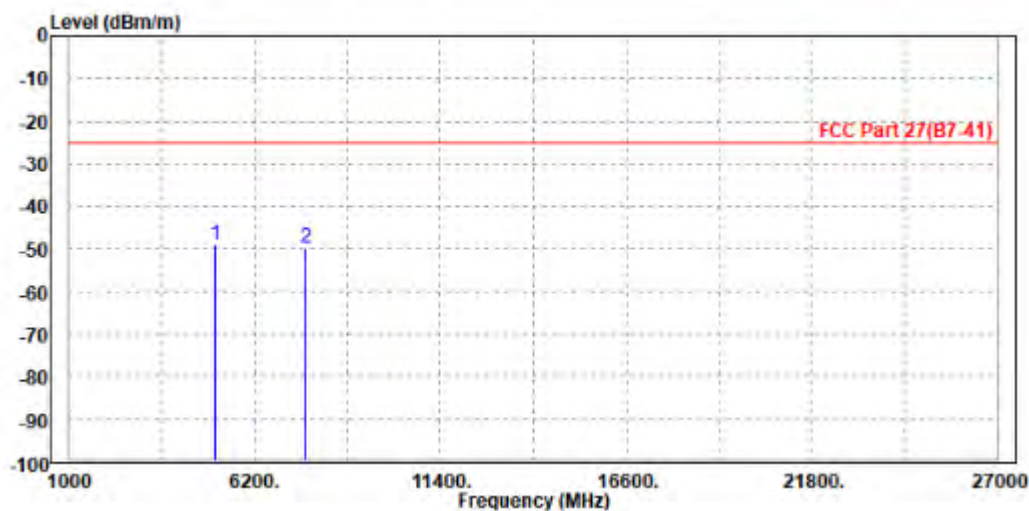
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5082.000	-49.85	-59.67	-25.00	-24.85	9.82	Peak	Horizontal
2	7605.000	-51.94	-64.12	-25.00	-26.94	12.18	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	-49.11	-59.45	-25.00	-24.11	10.34	Peak	Vertical
2	7605.000	-49.81	-64.66	-25.00	-24.81	14.85	Peak	Vertical





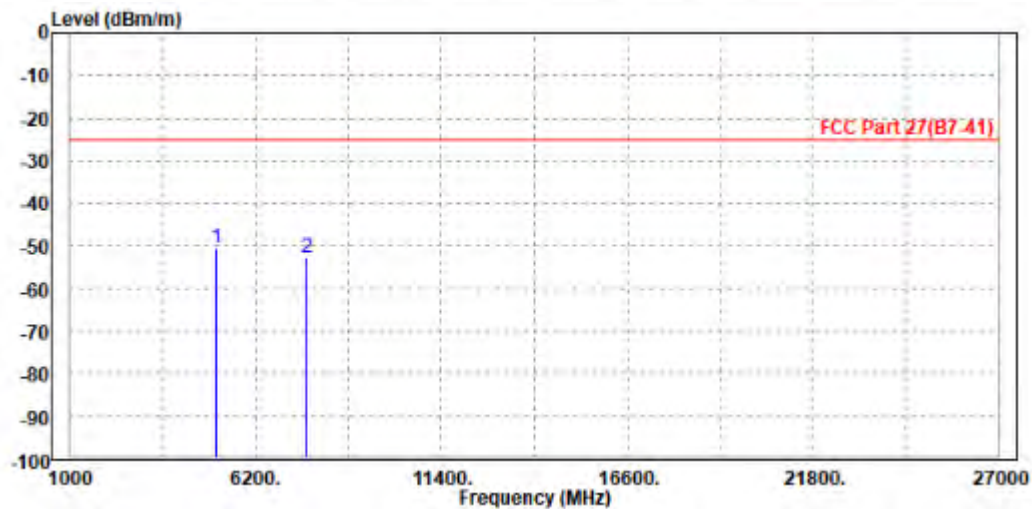
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Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 20MHz / QPSK

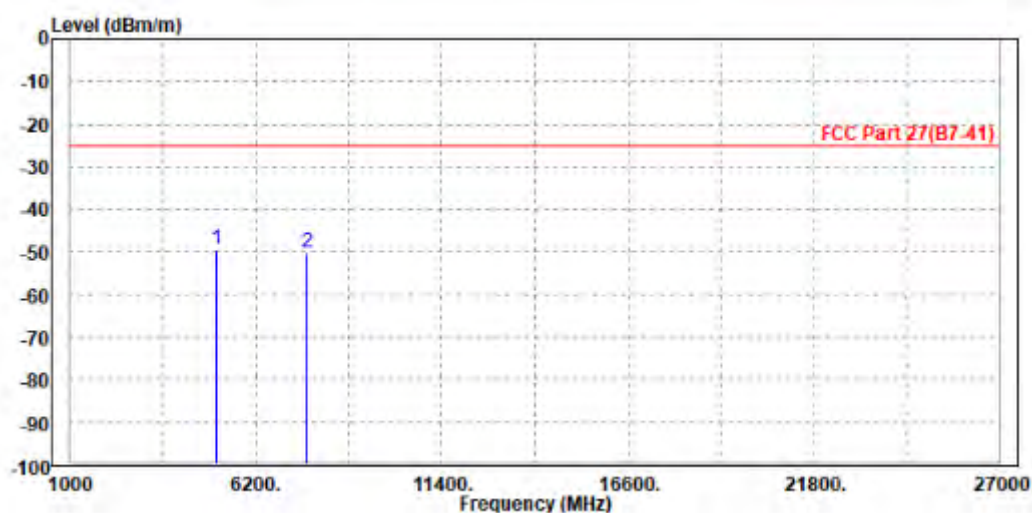
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	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	-50.49	-60.31	-25.00	-25.49	9.82	Peak	Horizontal
2	7605.000	-52.82	-65.00	-25.00	-27.82	12.18	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	-49.61	-59.95	-25.00	-24.61	10.34	Peak	Vertical
2	7605.000	-50.36	-65.21	-25.00	-25.36	14.85	Peak	Vertical





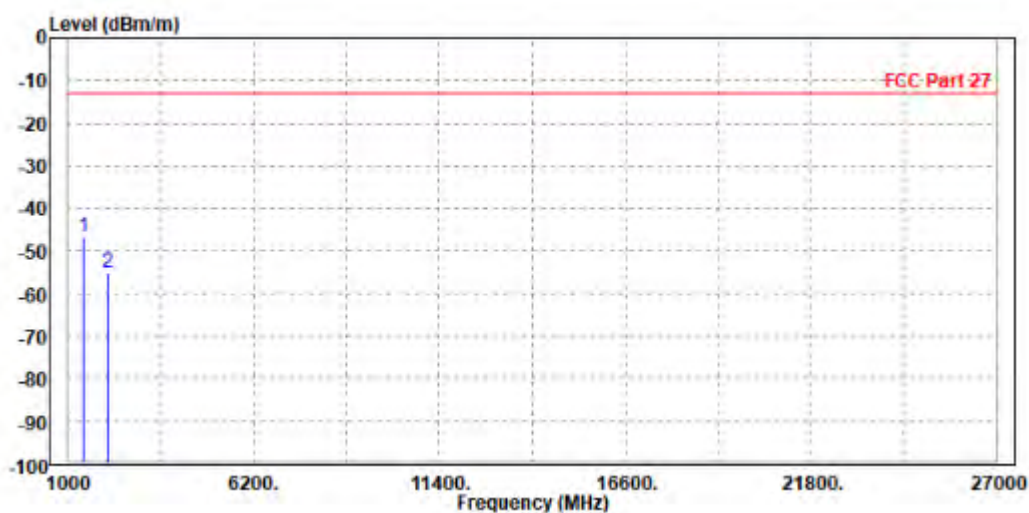
Test Report No.: W7L-P22070038RF06

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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1416.000	-46.95	-46.31	-13.00	-33.95	-0.64	Peak	Horizontal
2		2122.500	-55.03	-59.09	-13.00	-42.03	4.06	Peak	Horizontal

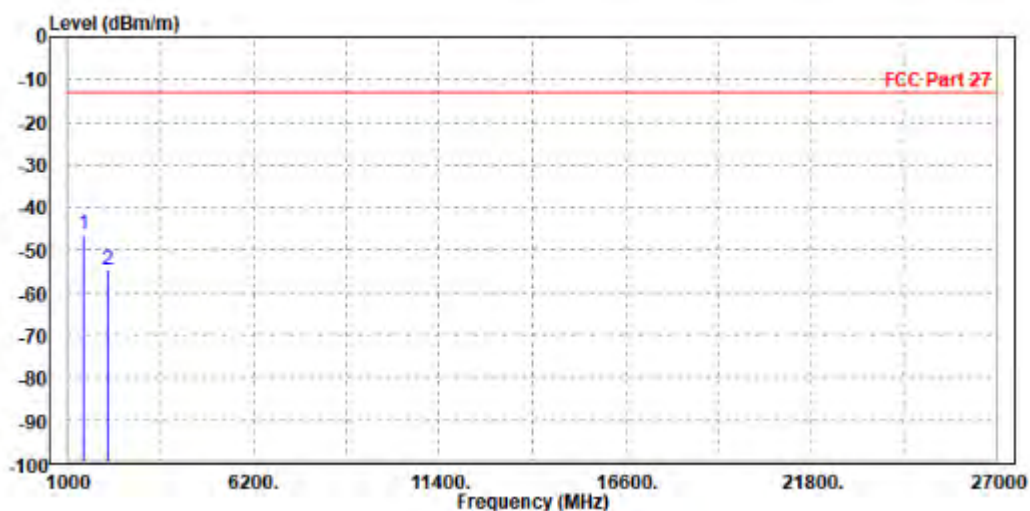




Test Report No.: W7L-P22070038RF06

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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1416.000	-46.38	-45.98	-13.00	-33.38	-0.40	Peak	Vertical
2	2122.500	-54.92	-58.84	-13.00	-41.92	3.92	Peak	Vertical





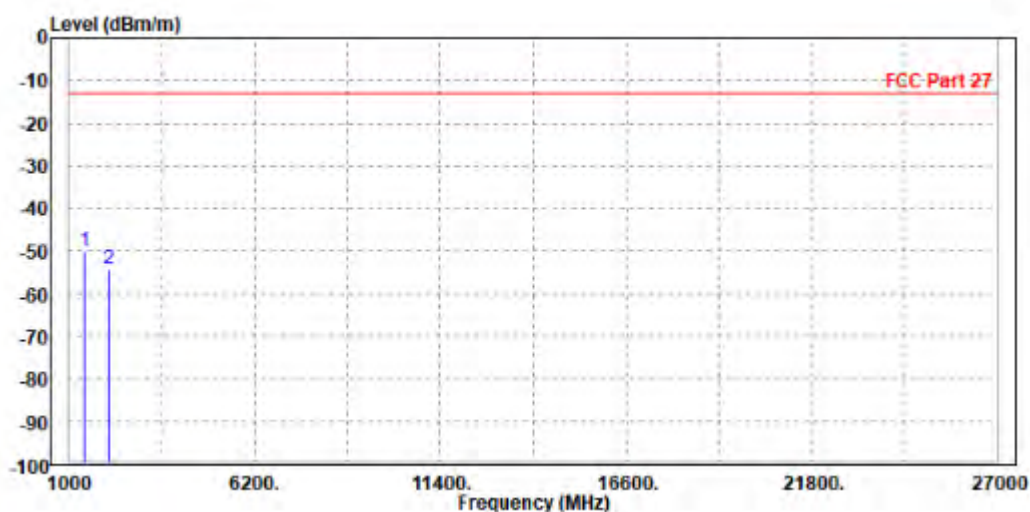
Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 3MHz / QPSK

CH23095

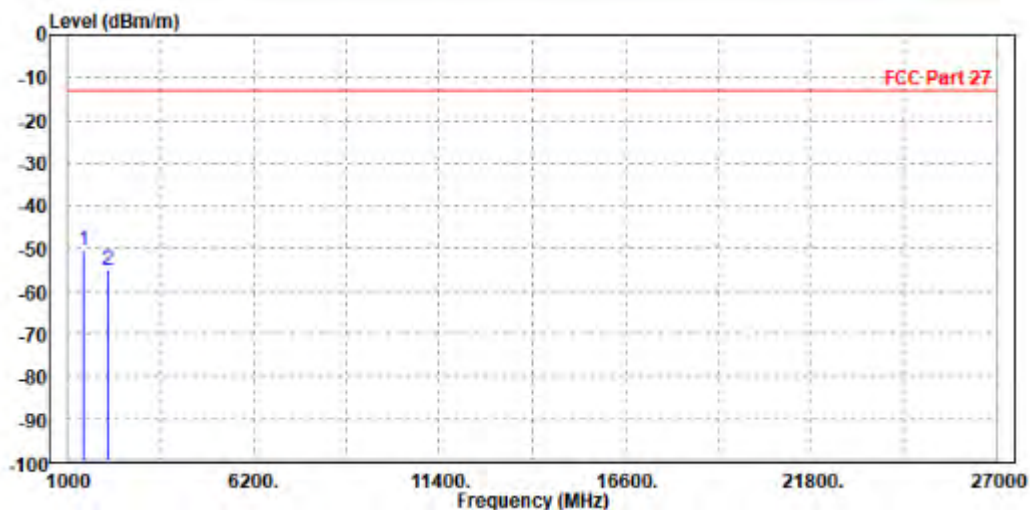
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1416.000	-50.15	-49.51	-13.00	-37.15	-0.64	Peak	Horizontal
2		2122.500	-54.30	-58.36	-13.00	-41.30	4.06	Peak	Horizontal



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			

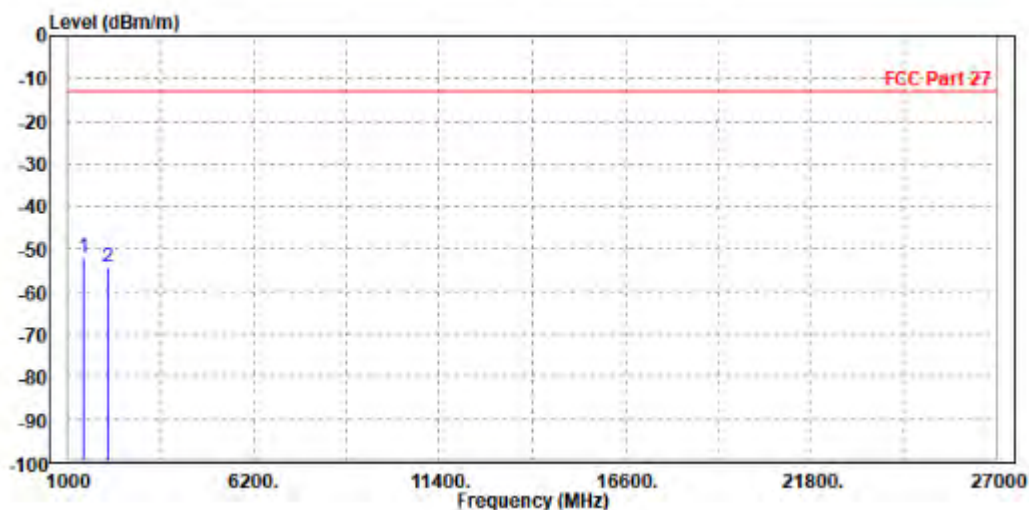
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1416.000	-50.67	-50.27	-13.00	-37.67	-0.40	Peak	Vertical
2	2122.500	-55.17	-59.09	-13.00	-42.17	3.92	Peak	Vertical



CHANNEL BANDWIDTH: 5MHz / QPSK

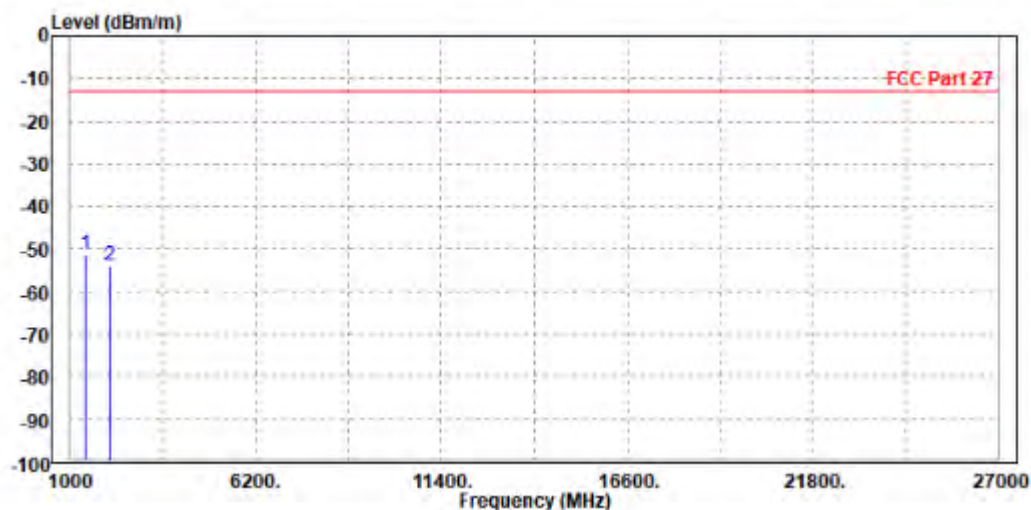
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1416.000	-52.03	-51.39	-13.00	-39.03	-0.64	Peak	Horizontal
2	2122.500	-54.45	-58.51	-13.00	-41.45	4.06	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1416.000	-51.46	-51.06	-13.00	-38.46	-0.40	Peak	Vertical
2	2122.500	-53.93	-57.85	-13.00	-40.93	3.92	Peak	Vertical





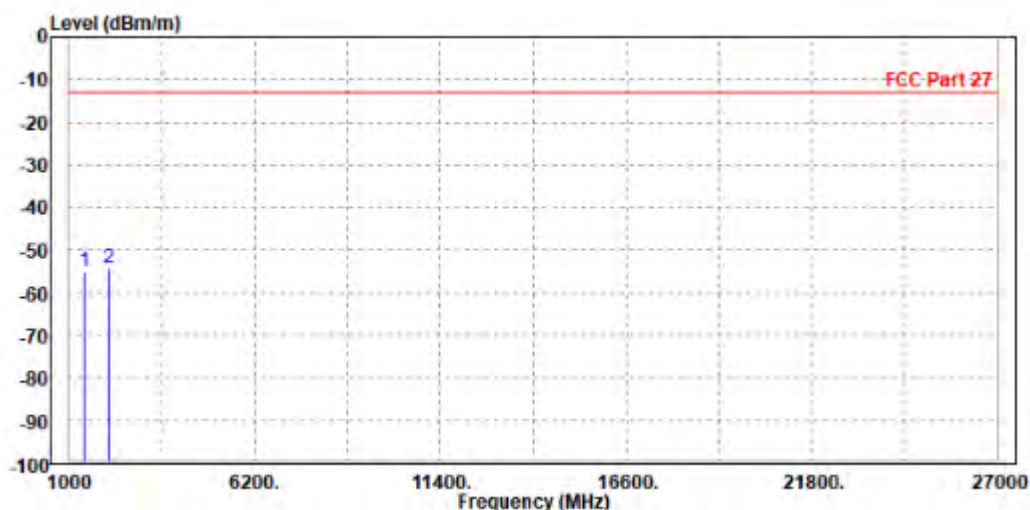
Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 10MHz / QPSK

CH23060

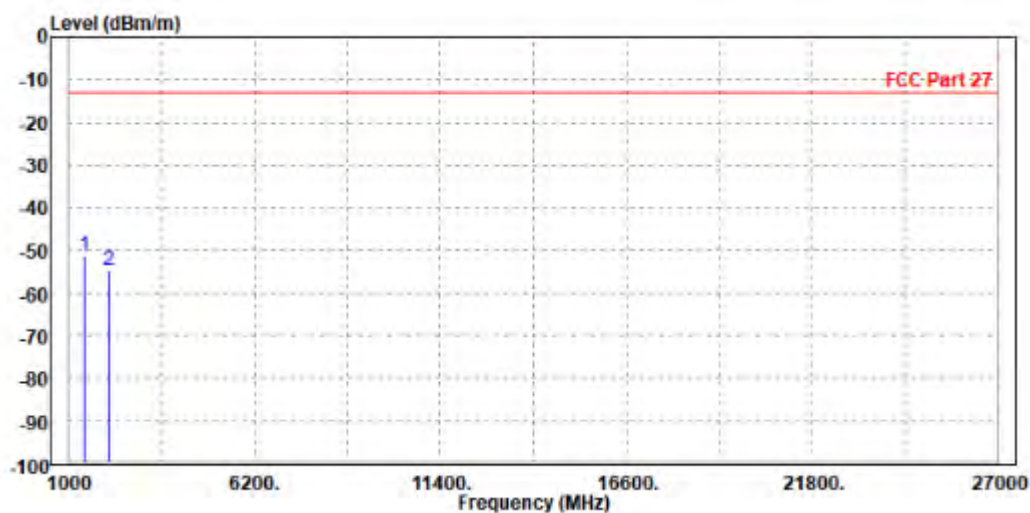
MODE	TX channel 23060	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-55.16	-54.52	-13.00	-42.16	-0.64	Peak	Horizontal
2 PP	2112.000	-54.55	-58.58	-13.00	-41.55	4.03	Peak	Horizontal



MODE	TX channel 23060	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			

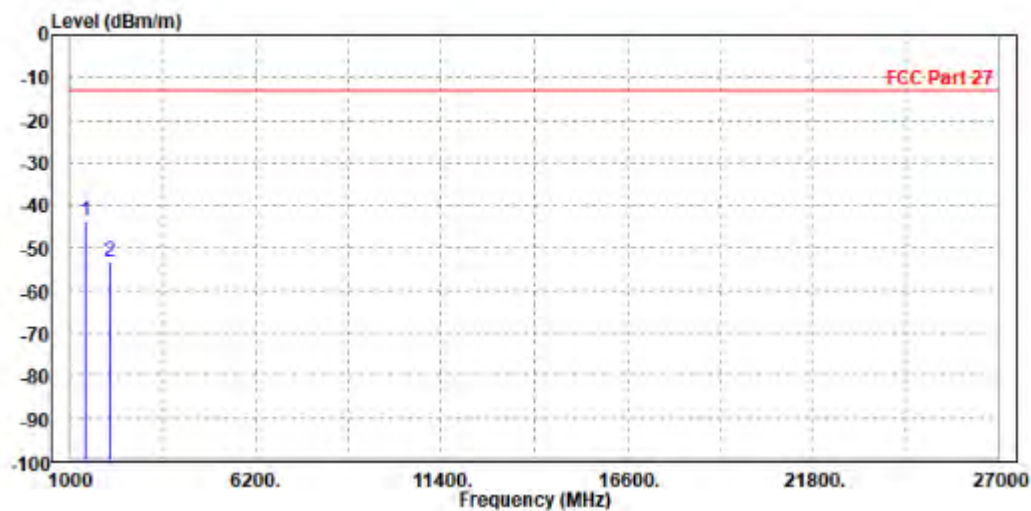
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1416.000	-51.27	-50.87	-13.00	-38.27	-0.40	Peak	Vertical
2	2112.000	-54.70	-58.59	-13.00	-41.70	3.89	Peak	Vertical



CH23095

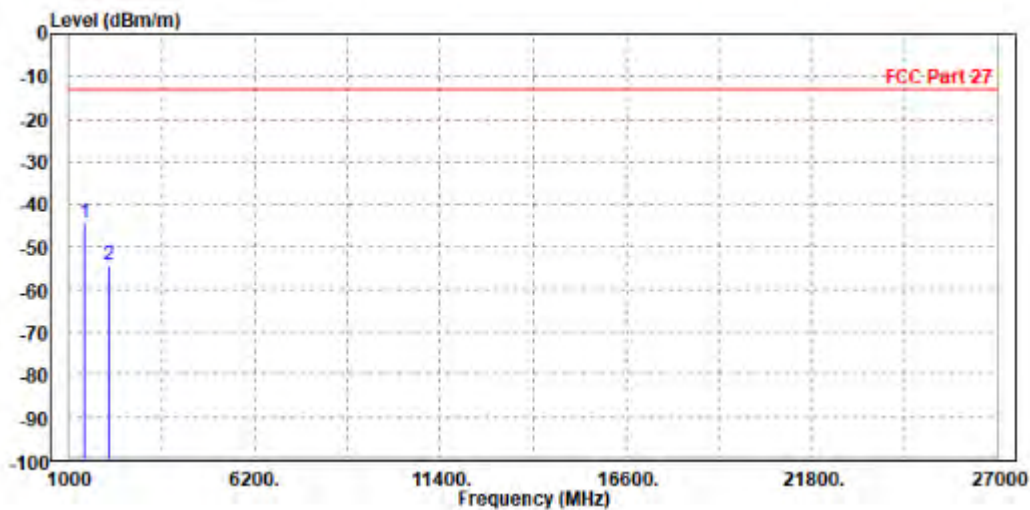
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1416.000	-43.85	-43.21	-13.00	-30.85	-0.64	Peak	Horizontal
2		2122.500	-53.23	-57.29	-13.00	-40.23	4.06	Peak	Horizontal



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			

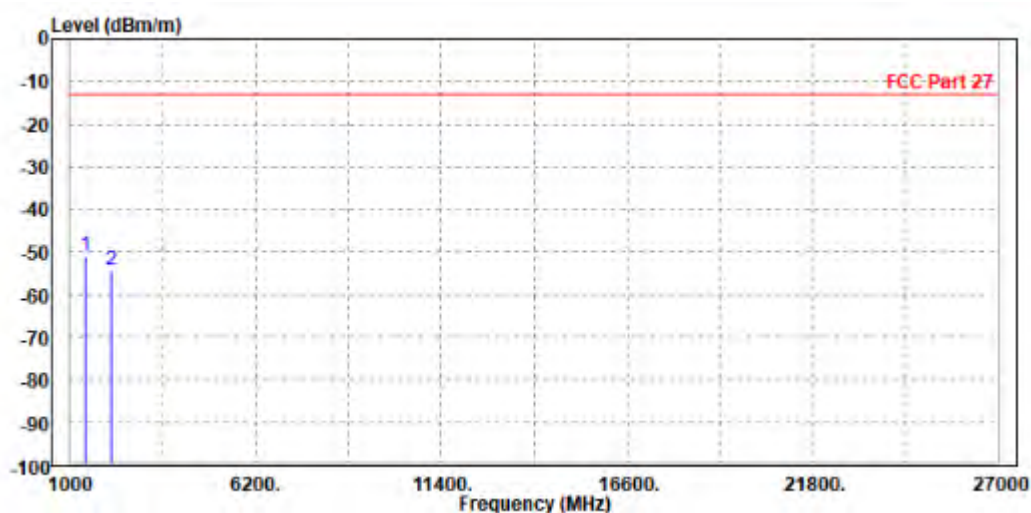
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1416.000	-44.33	-43.93	-13.00	-31.33	-0.40	Peak	Vertical
2		2122.500	-54.43	-58.35	-13.00	-41.43	3.92	Peak	Vertical



CH23130

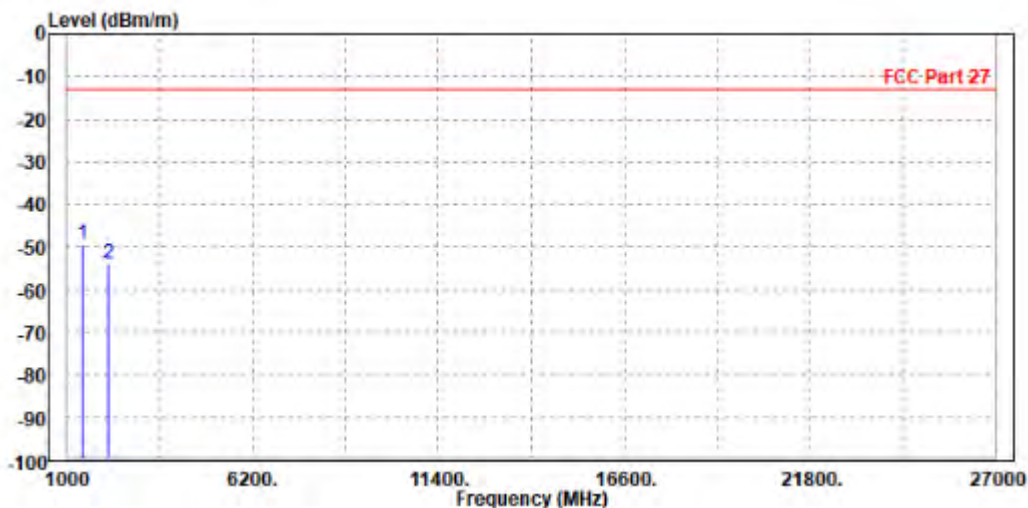
MODE	TX channel 23130	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1416.000	-50.95	-50.31	-13.00	-37.95	-0.64	Peak	Horizontal
2		2133.000	-54.28	-58.38	-13.00	-41.28	4.10	Peak	Horizontal



MODE	TX channel 23130	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	1416.000	-49.52	-49.12	-13.00	-36.52	-0.40	Peak	Vertical
2		2133.000	-53.92	-57.87	-13.00	-40.92	3.95	Peak	Vertical



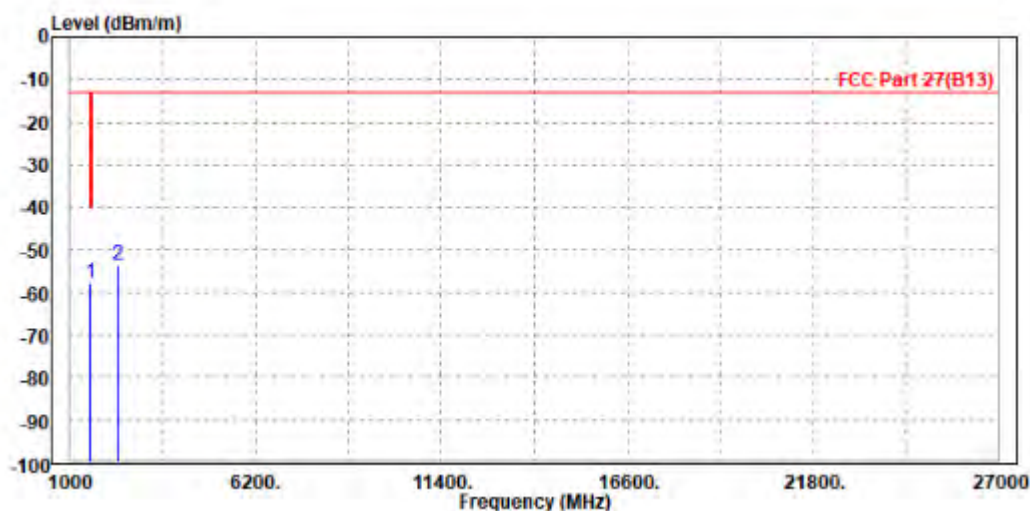
LTE B13

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

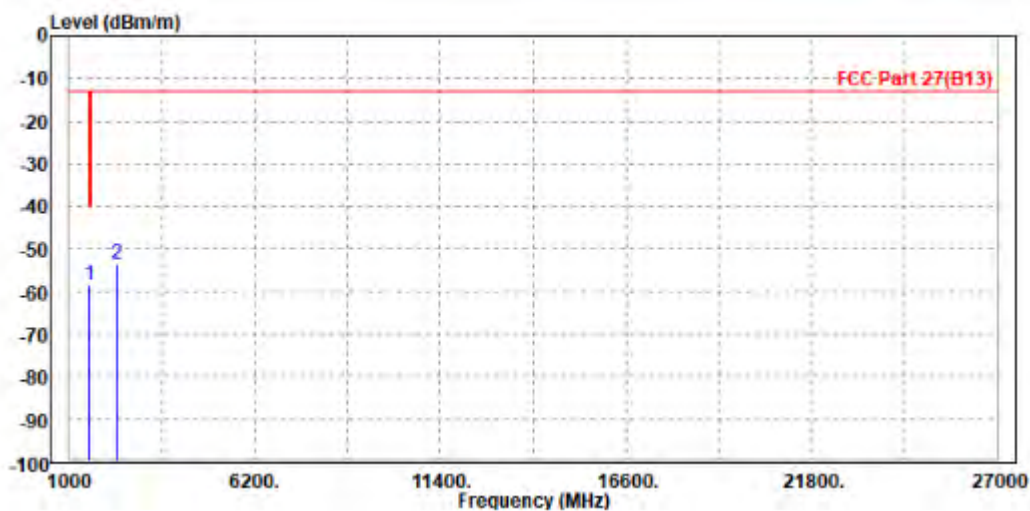
MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1559.000	-57.84	-57.89	-40.00	-17.84	0.05	Peak	Horizontal
2		2326.000	-53.69	-58.50	-13.00	-40.69	4.81	Peak	Horizontal



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			

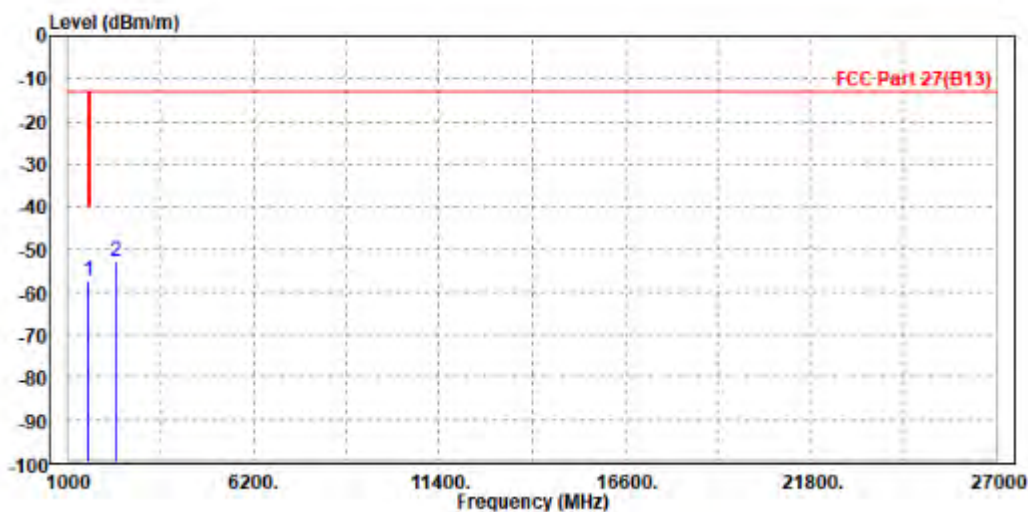
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1572.000	-58.65	-59.14	-40.00	-18.65	0.49	Peak	Vertical
2		2338.500	-53.62	-58.12	-13.00	-40.62	4.50	Peak	Vertical



CH23230

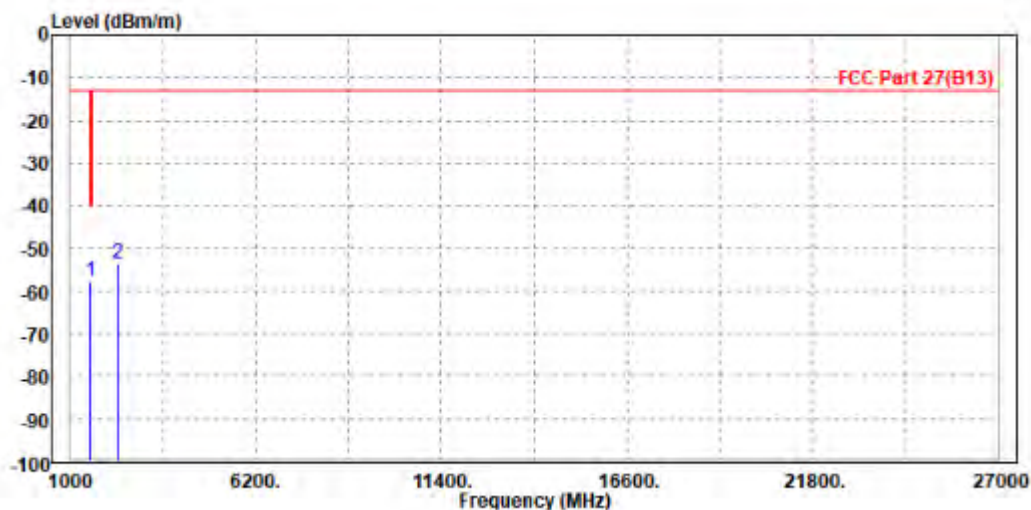
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1572.000	-57.32	-57.48	-40.00	-17.32	0.16	Peak	Horizontal
2		2346.000	-52.92	-57.80	-13.00	-39.92	4.88	Peak	Horizontal



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			

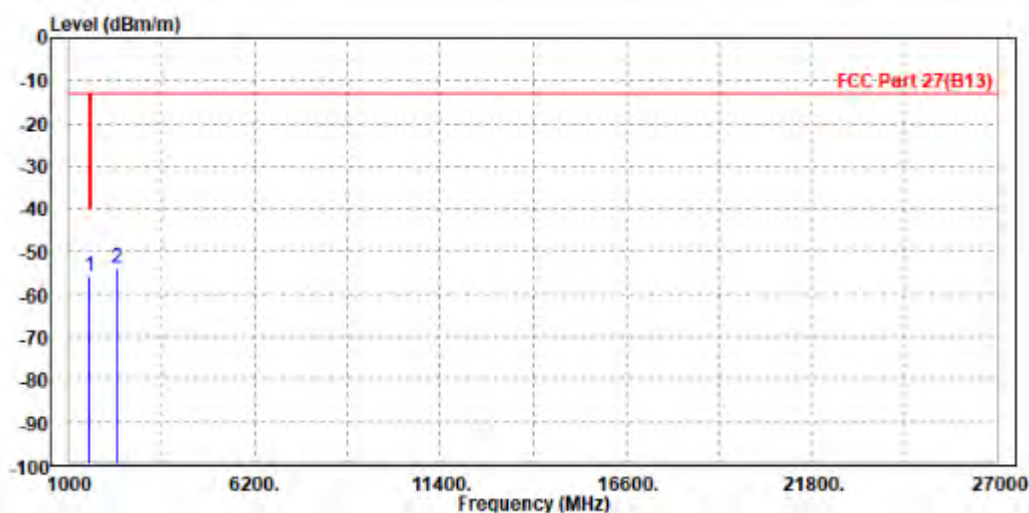
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1564.000	-57.72	-58.15	-40.00	-17.72	0.43	Peak	Vertical
2		2352.000	-53.48	-58.02	-13.00	-40.48	4.54	Peak	Vertical



CH23255

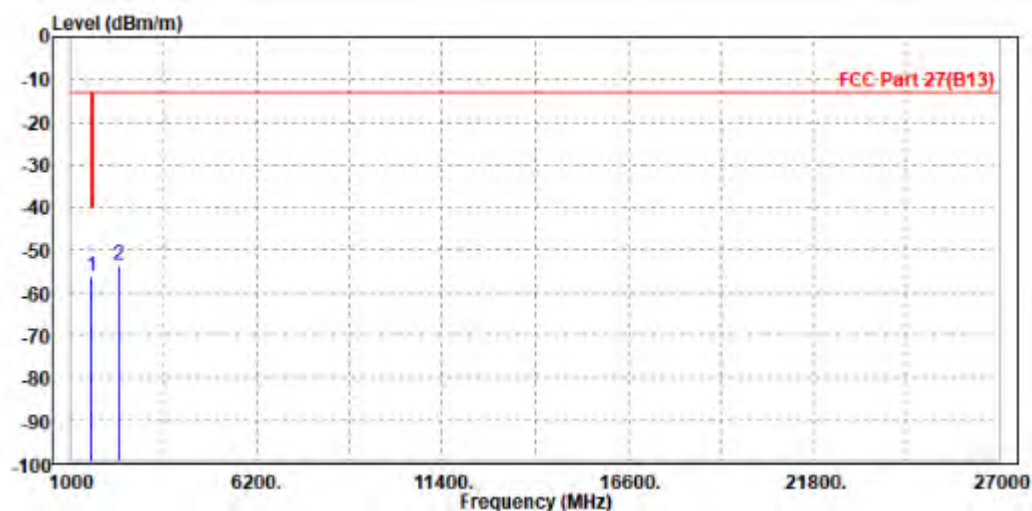
MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1569.000	-56.08	-56.22	-40.00	-16.08	0.14	Peak	Horizontal
2	2353.500	-54.15	-59.06	-13.00	-41.15	4.91	Peak	Horizontal



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			

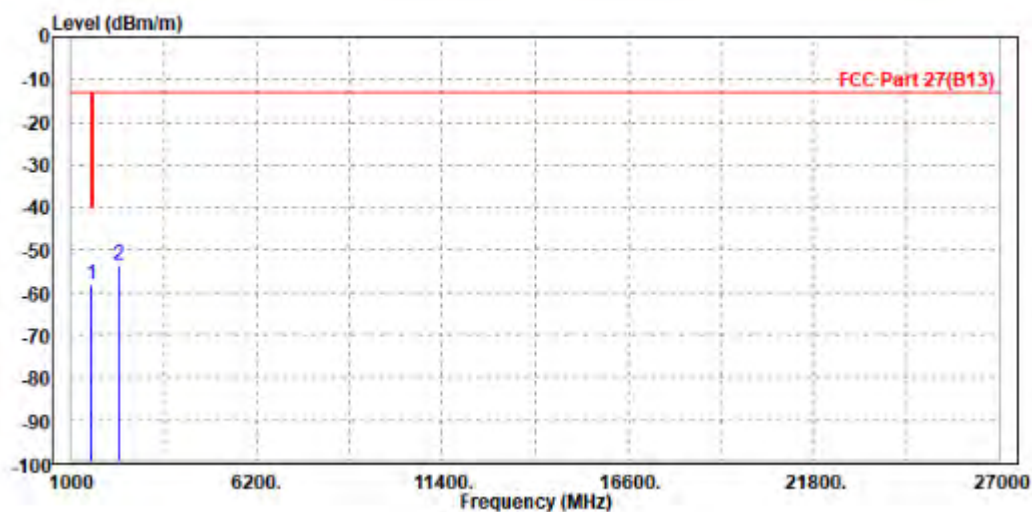
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-56.26	-56.75	-40.00	-16.26	0.49	Peak	Vertical
2	2353.500	-53.76	-58.30	-13.00	-40.76	4.54	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz /QPSK

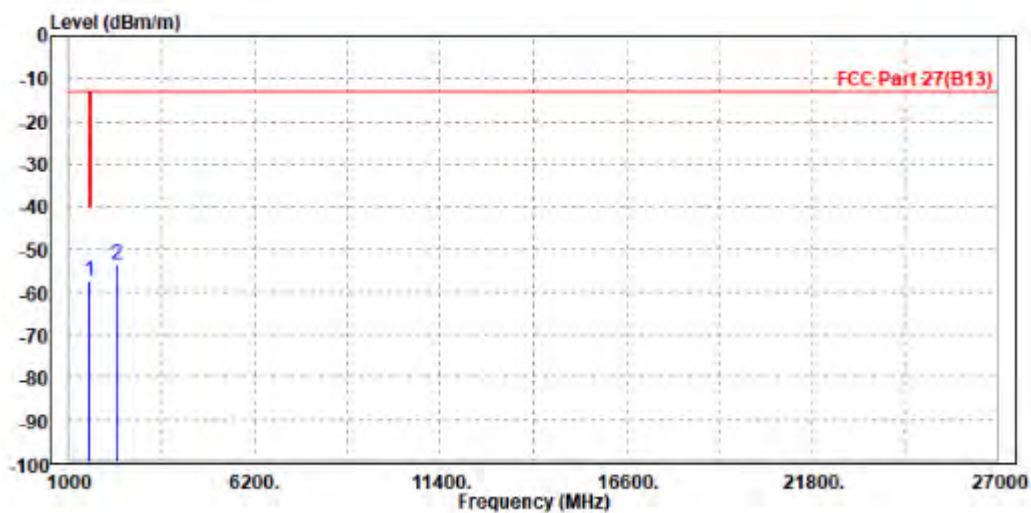
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1564.000	-58.05	-58.15	-40.00	-18.05	0.10	Peak	Horizontal
2		2352.000	-53.56	-58.46	-13.00	-40.56	4.90	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	1572.000	-57.52	-58.01	-40.00	-17.52	0.49	Peak	Vertical
2		2346.000	-53.56	-58.08	-13.00	-40.56	4.52	Peak	Vertical





**BUREAU
VERITAS**

Test Report No.: W7L-P22070038RF06

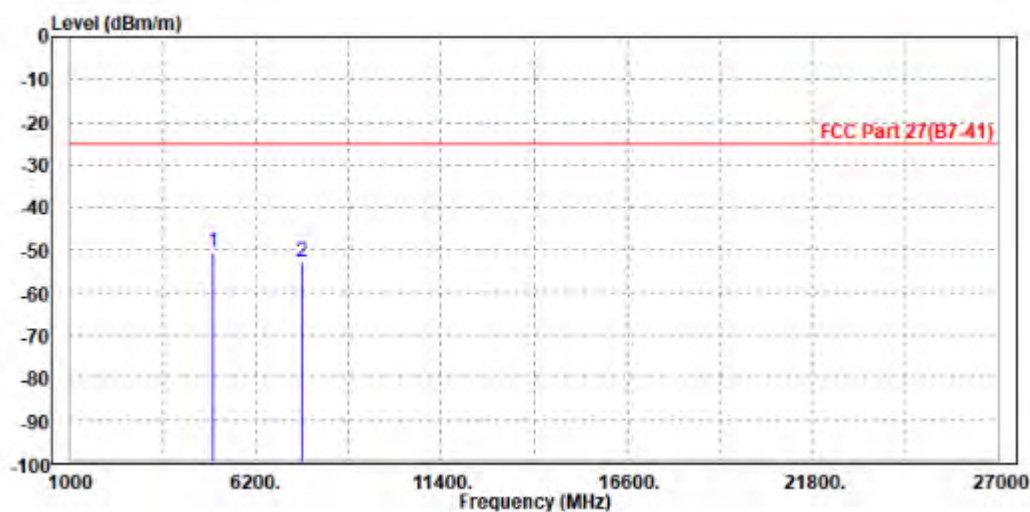
LTE BAND 41

CHANNEL BANDWIDTH: 5MHz / QPSK

CH39675

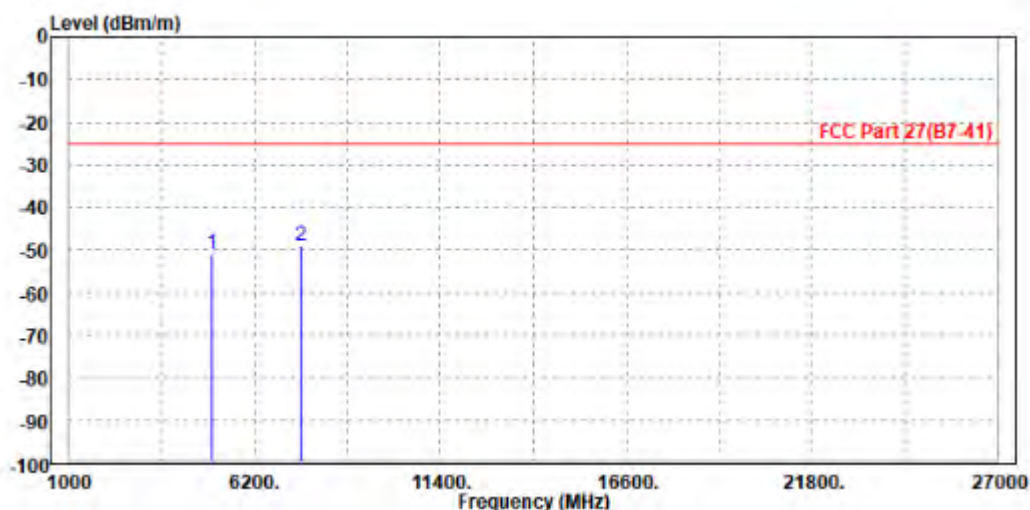
MODE	TX channel 39675	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5004.000	-50.63	-60.33	-25.00	-25.63	9.70	Peak	Horizontal
2	7495.500	-52.91	-64.33	-25.00	-27.91	11.42	Peak	Horizontal



MODE	TX channel 39675	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			

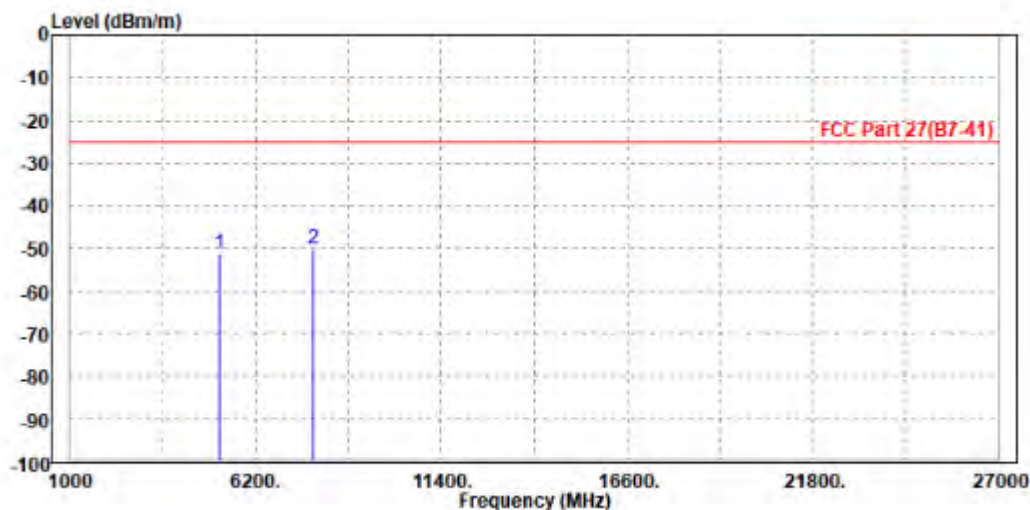
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	4997.000	-51.02	-61.28	-25.00	-26.02	10.26	Peak	Vertical
2 PP	7500.000	-48.88	-63.58	-25.00	-23.88	14.70	Peak	Vertical



CH40620

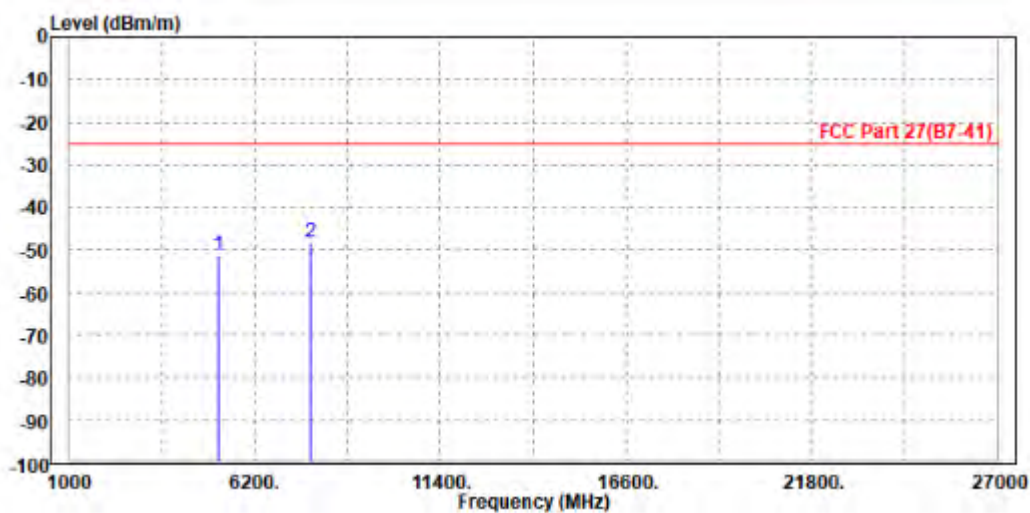
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.34	-61.32	-25.00	-26.34	9.98	Peak	Horizontal
2 PP	7786.000	-50.05	-63.54	-25.00	-25.05	13.49	Peak	Horizontal



MODE	TX channel 40620	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			

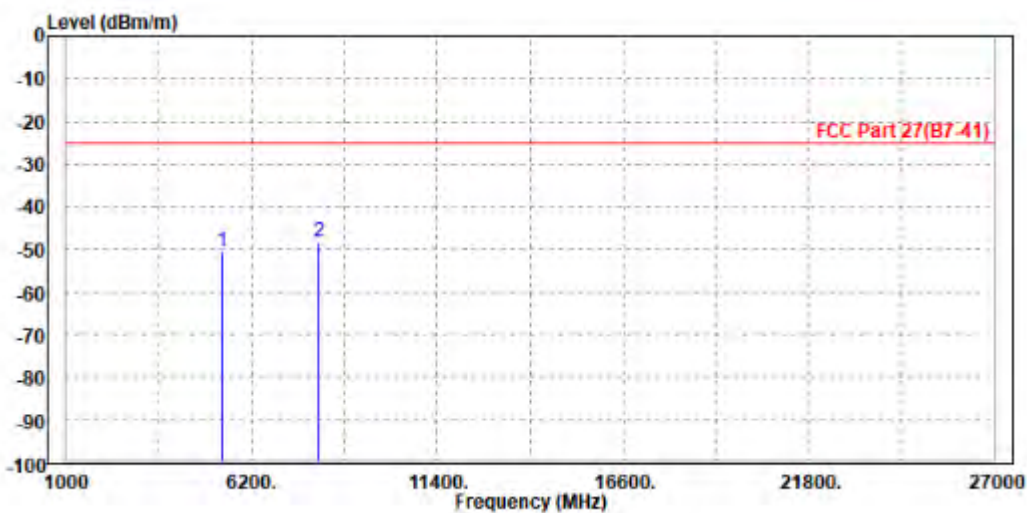
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.17	-61.61	-25.00	-26.17	10.44	Peak	Vertical
2 PP	7779.000	-48.39	-63.50	-25.00	-23.39	15.11	Peak	Vertical



CH41565

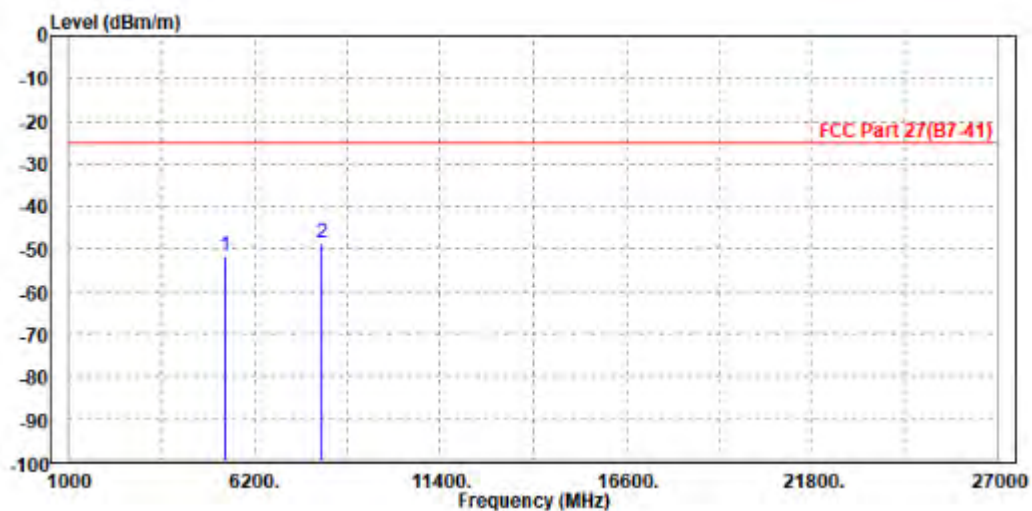
MODE	TX channel 41565	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5375.000	-50.62	-60.90	-25.00	-25.62	10.28	Peak	Horizontal
2 PP	8072.000	-48.46	-63.49	-25.00	-23.46	15.03	Peak	Horizontal



MODE	TX channel 41565	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	5368.000	-51.65	-62.26	-25.00	-26.65	10.61	Peak	Vertical
2 PP	8062.500	-48.86	-64.27	-25.00	-23.86	15.41	Peak	Vertical



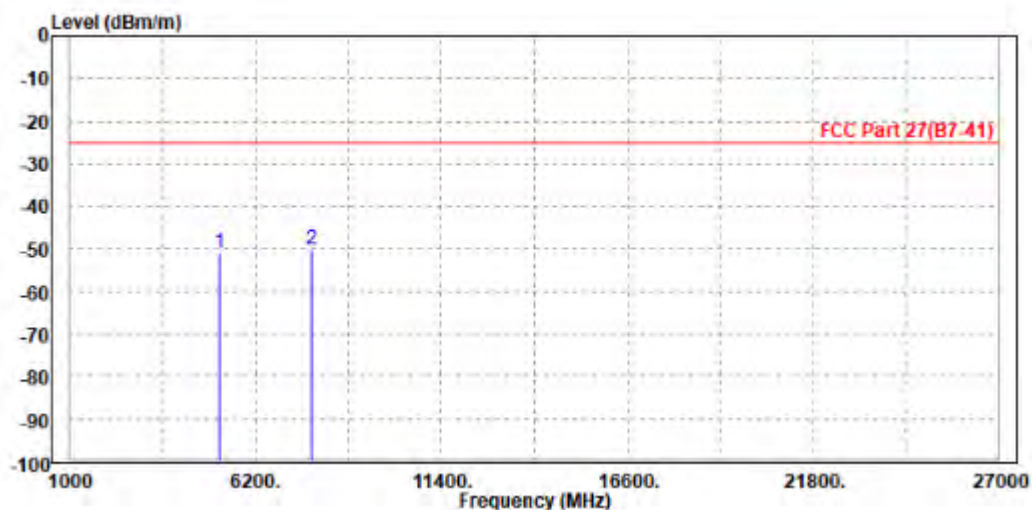


Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 10MHz / QPSK

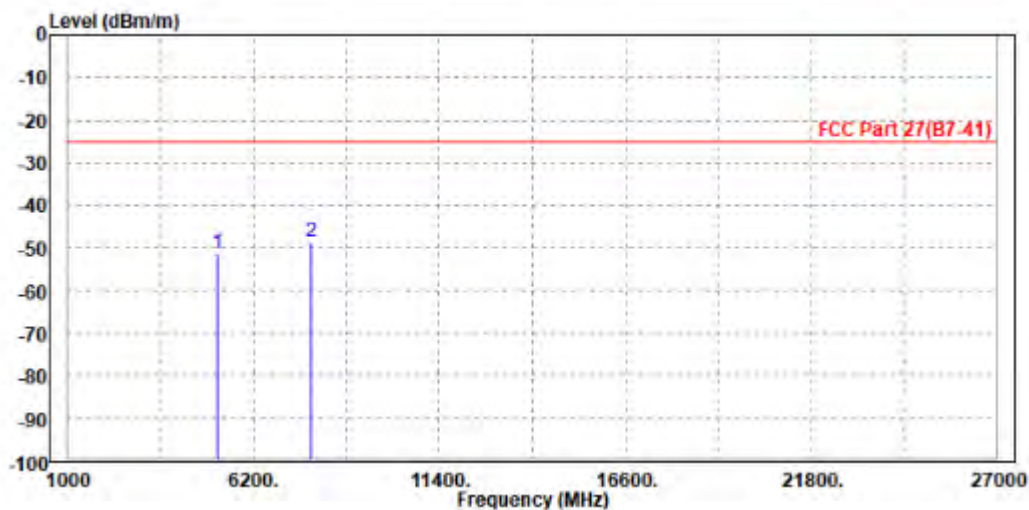
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.05	-61.03	-25.00	-26.05	9.98	Peak	Horizontal
2 PP	7779.000	-50.14	-63.58	-25.00	-25.14	13.44	Peak	Horizontal



MODE	TX channel 40620	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			

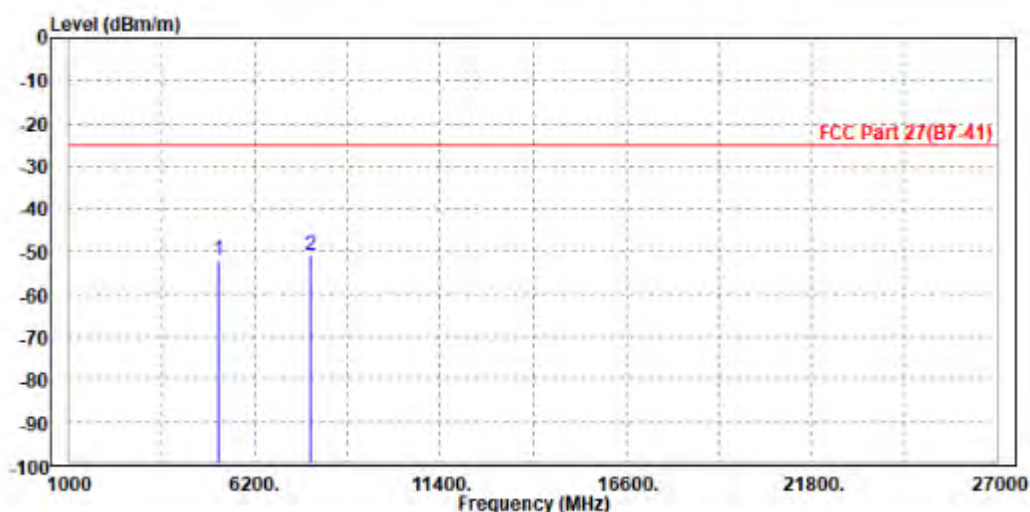
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.35	-61.79	-25.00	-26.35	10.44	Peak	Vertical
2 PP	7786.000	-48.57	-63.69	-25.00	-23.57	15.12	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 40620	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	5186.000	-52.07	-62.05	-25.00	-27.07	9.98	Peak	Horizontal
2 PP	7779.000	-50.83	-64.27	-25.00	-25.83	13.44	Peak	Horizontal

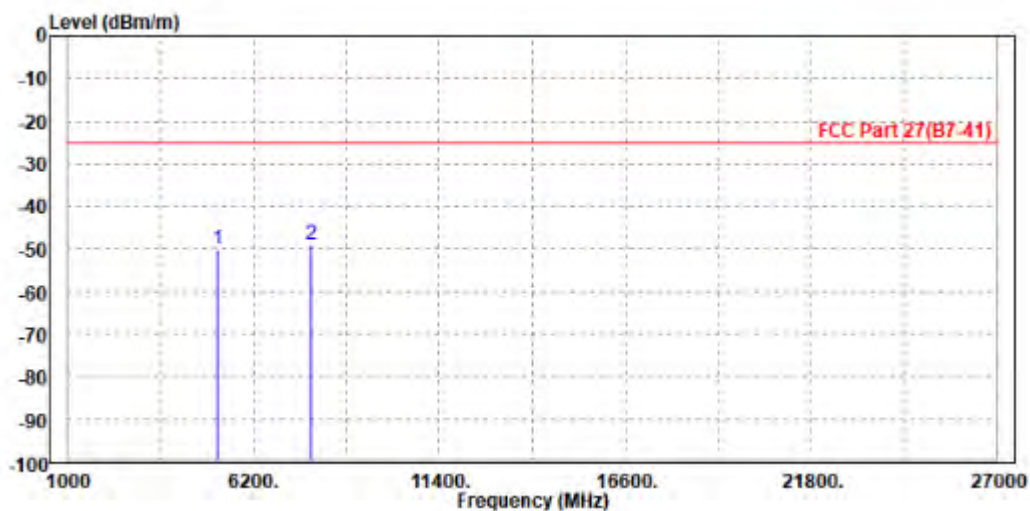




Test Report No.: W7L-P22070038RF06

MODE	TX channel 40620	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			

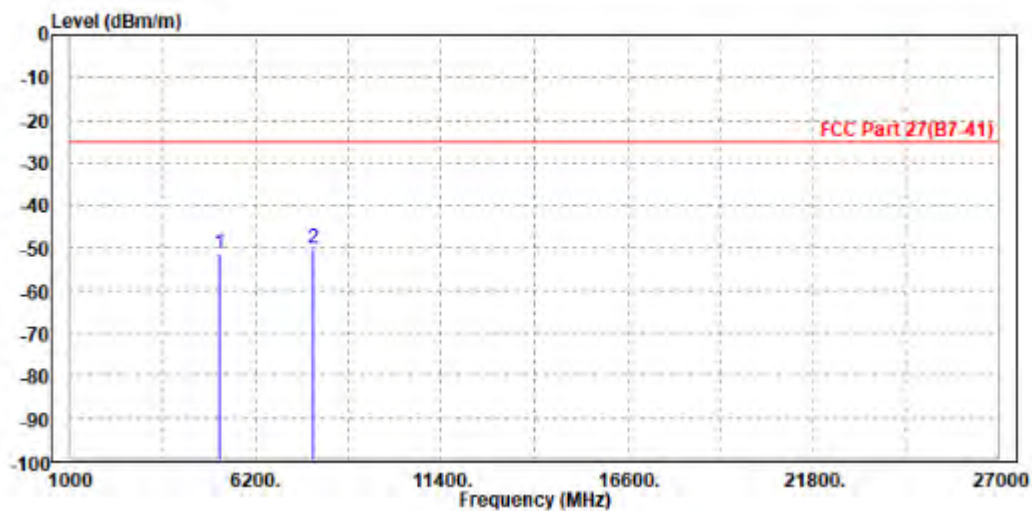
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-50.28	-60.72	-25.00	-25.28	10.44	Peak	Vertical
2 PP	7786.000	-49.00	-64.12	-25.00	-24.00	15.12	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK
CH40620

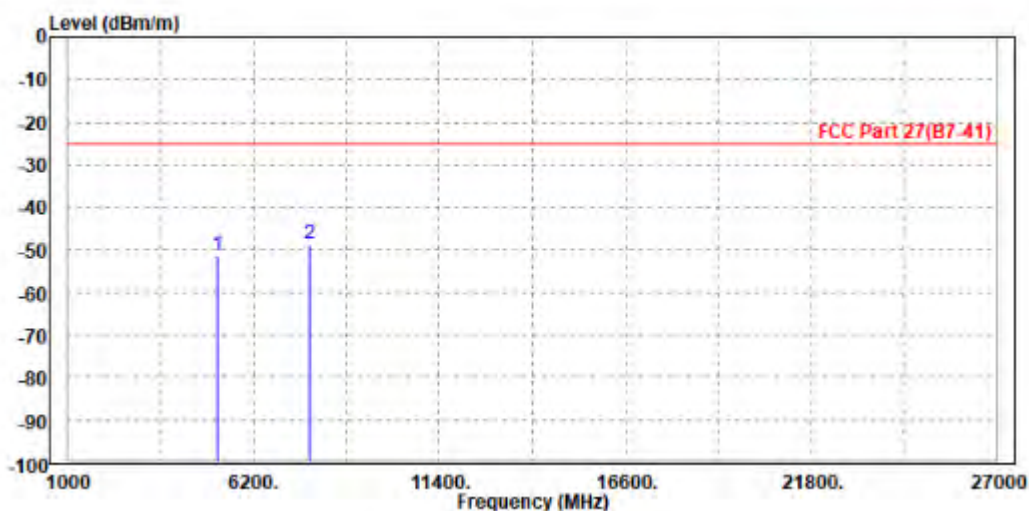
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.21	-61.19	-25.00	-26.21	9.98	Peak	Horizontal
2 PP	7786.000	-50.28	-63.77	-25.00	-25.28	13.49	Peak	Horizontal



MODE	TX channel 40620	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	5186.000	-51.23	-61.67	-25.00	-26.23	10.44	Peak	Vertical
2 PP	7779.000	-48.50	-63.61	-25.00	-23.50	15.11	Peak	Vertical





Test Report No.: W7L-P22070038RF06

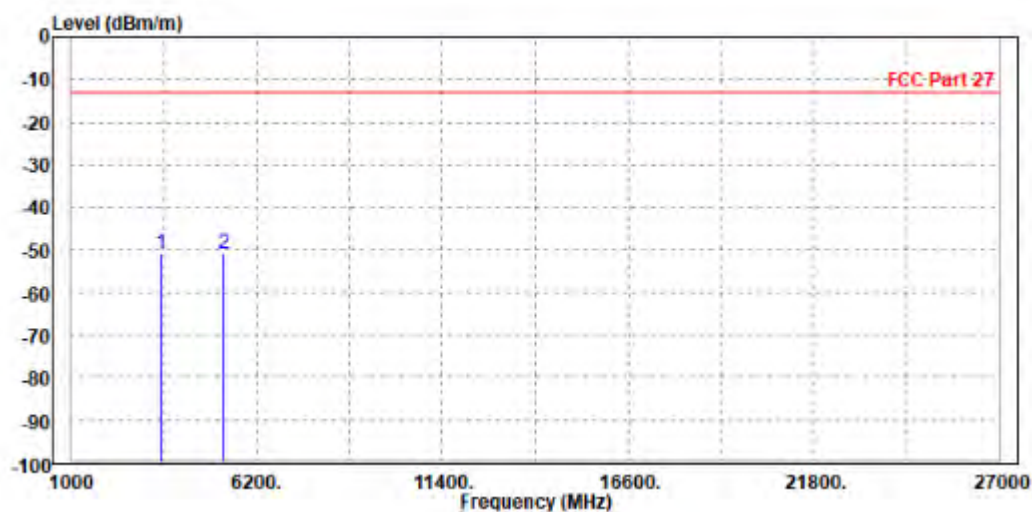
LTE B66

CHANNEL BANDWIDTH: 1.4MHz / QPSK

CH132322

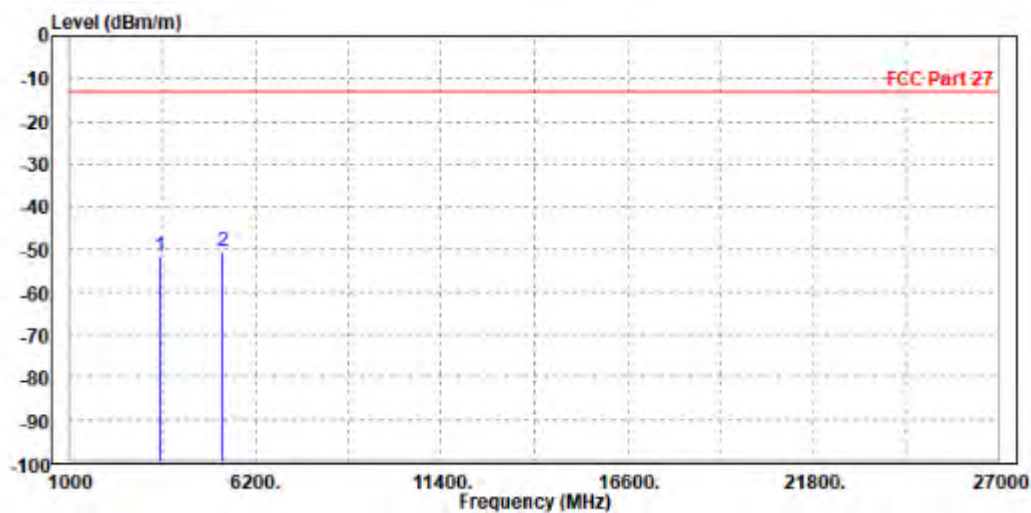
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.07	-58.45	-13.00	-38.07	7.38	Peak	Horizontal
2 PP	5265.000	-51.07	-61.18	-13.00	-38.07	10.11	Peak	Horizontal



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			

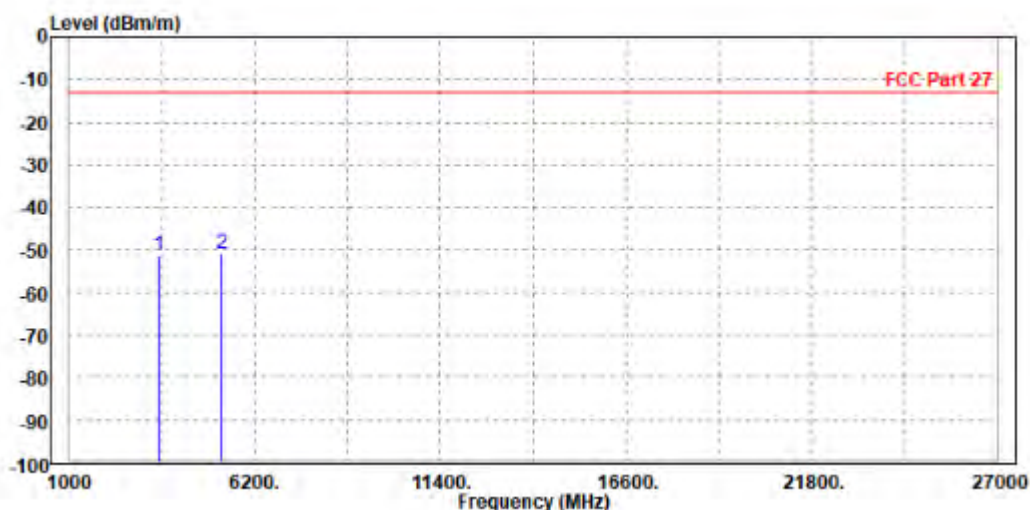
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3510.000	-51.78	-59.11	-13.00	-38.78	7.33	Peak	Vertical
2 PP	5264.000	-50.40	-60.91	-13.00	-37.40	10.51	Peak	Vertical



CHANNEL BANDWIDTH: 3MHz / QPSK

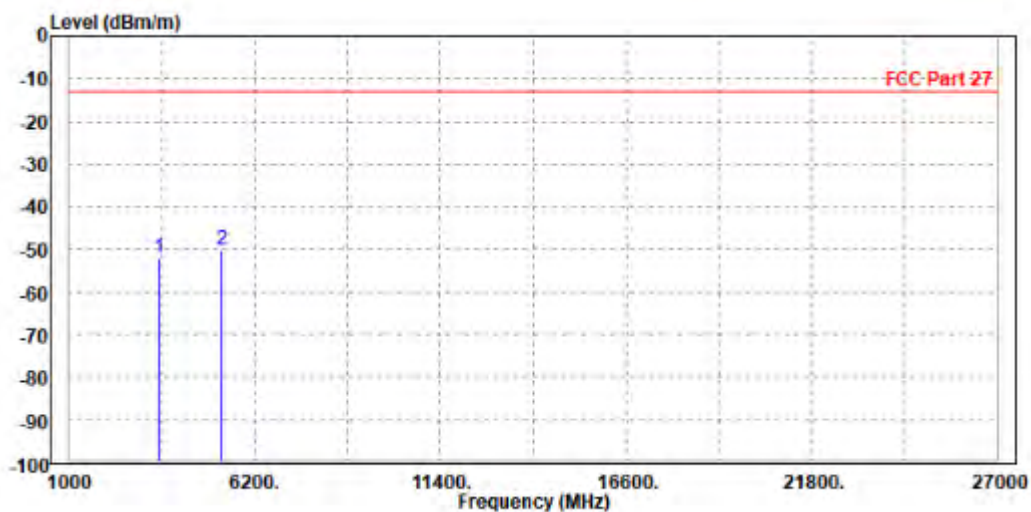
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3510.000	-51.48	-58.83	-13.00	-38.48	7.35	Peak	Horizontal
2 PP	5264.000	-51.05	-61.15	-13.00	-38.05	10.10	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-52.06	-59.41	-13.00	-39.06	7.35	Peak	Vertical
2 PP	5265.000	-50.01	-60.52	-13.00	-37.01	10.51	Peak	Vertical

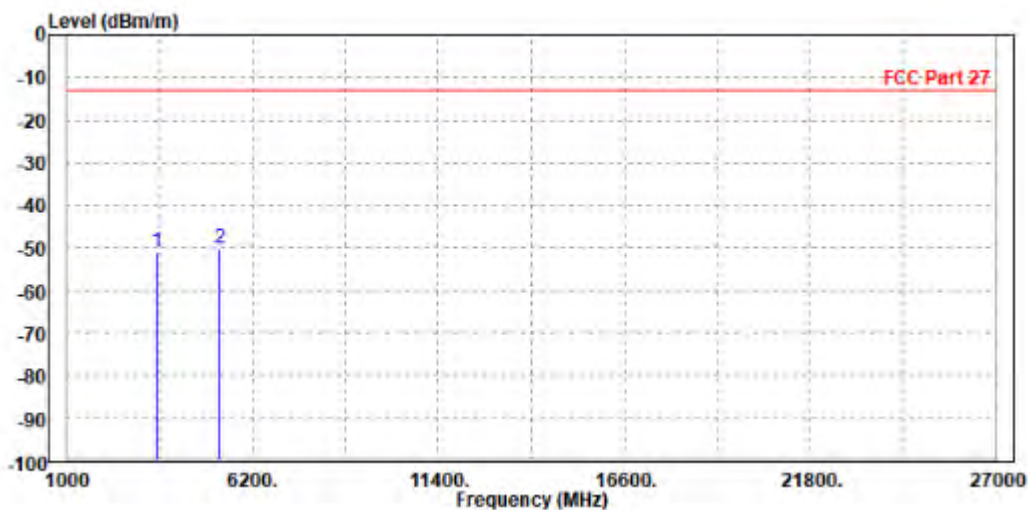


CHANNEL BANDWIDTH: 5MHz / QPSK

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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3510.000	-51.07	-58.42	-13.00	-38.07	7.35	Peak	Horizontal
2 PP	5264.000	-50.05	-60.15	-13.00	-37.05	10.10	Peak	Horizontal

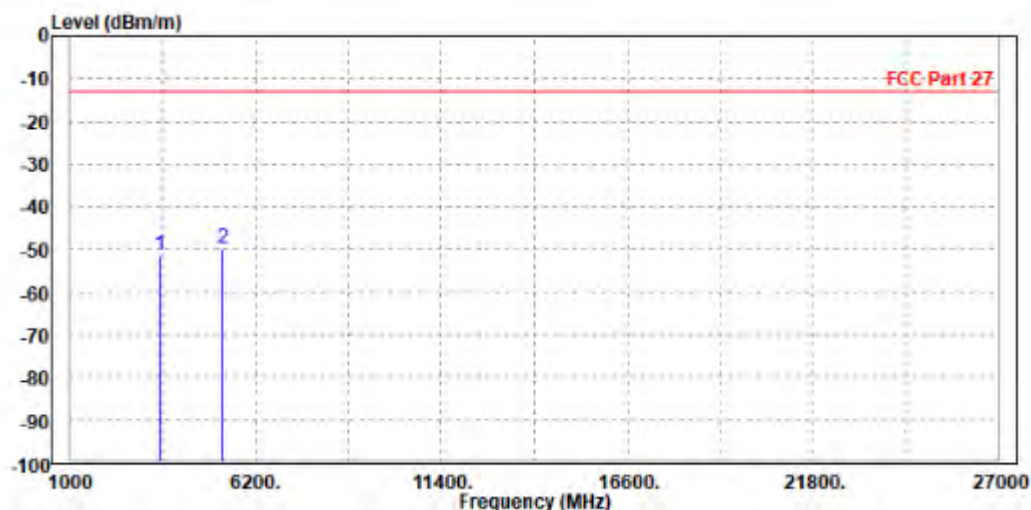




Test Report No.: W7L-P22070038RF06

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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.35	-58.70	-13.00	-38.35	7.35	Peak	Vertical
2 PP	5265.000	-49.84	-60.35	-13.00	-36.84	10.51	Peak	Vertical





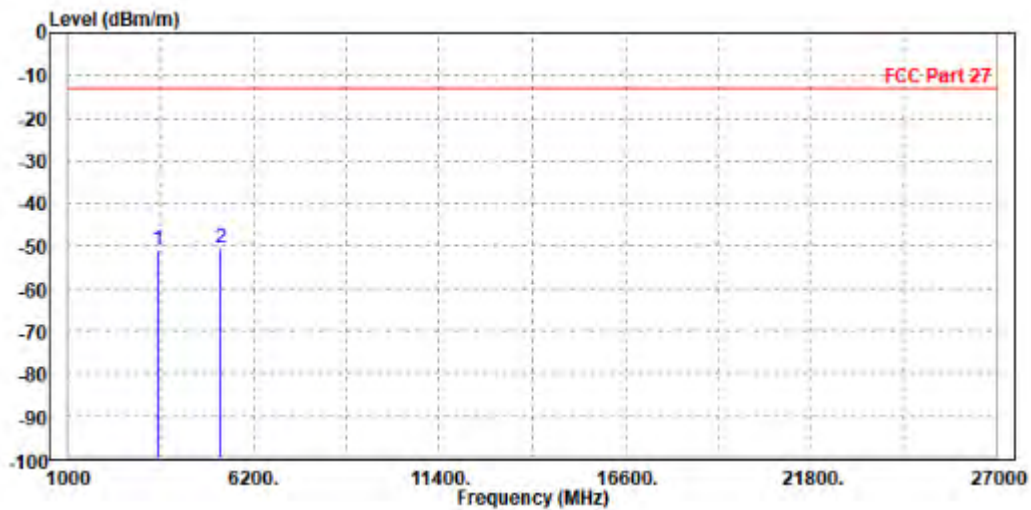
BUREAU
VERITAS

Test Report No.: W7L-P22070038RF06

CH132322

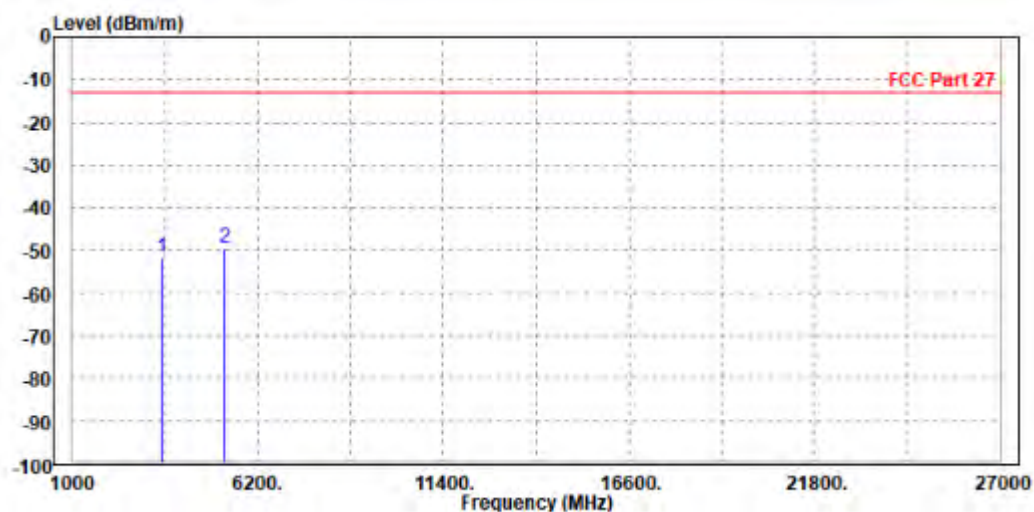
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3510.000	-50.94	-58.29	-13.00	-37.94	7.35	Peak	Horizontal
2	PP 5264.000	-50.53	-60.63	-13.00	-37.53	10.10	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.82	-59.17	-13.00	-38.82	7.35	Peak	Vertical
2 PP	5265.000	-49.38	-59.89	-13.00	-36.38	10.51	Peak	Vertical





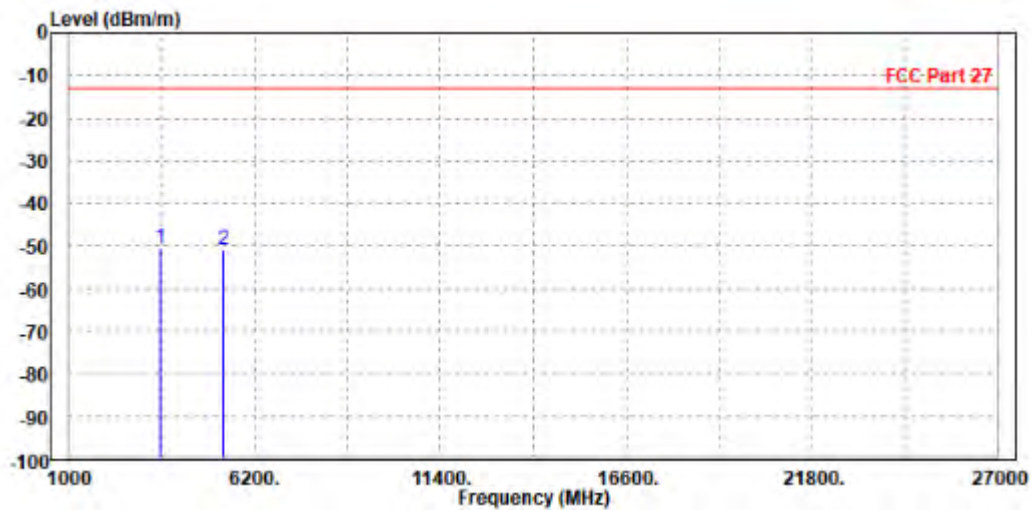
BUREAU
VERITAS

Test Report No.: W7L-P22070038RF06

CH132647

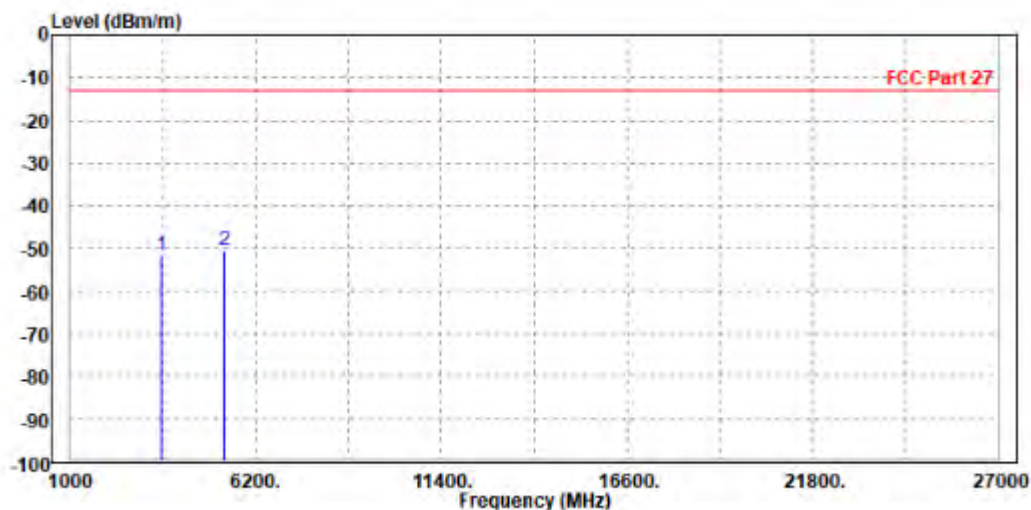
MODE	TX channel 132647	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3550.000	-50.61	-58.06	-13.00	-37.61	7.45	Peak	Horizontal
2		5316.000	-50.88	-61.07	-13.00	-37.88	10.19	Peak	Horizontal



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			

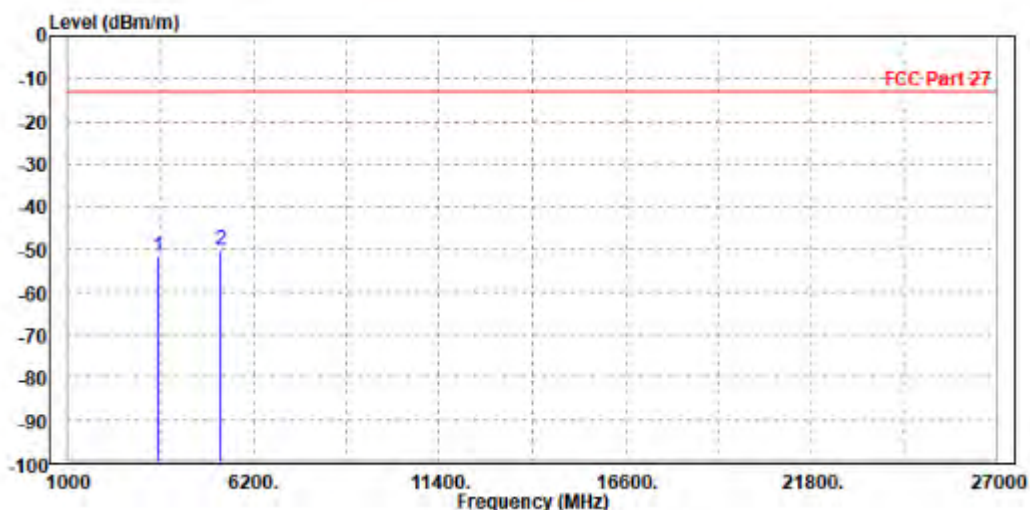
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3548.000	-51.86	-59.25	-13.00	-38.86	7.39	Peak	Vertical
2 PP	5325.000	-50.74	-61.31	-13.00	-37.74	10.57	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

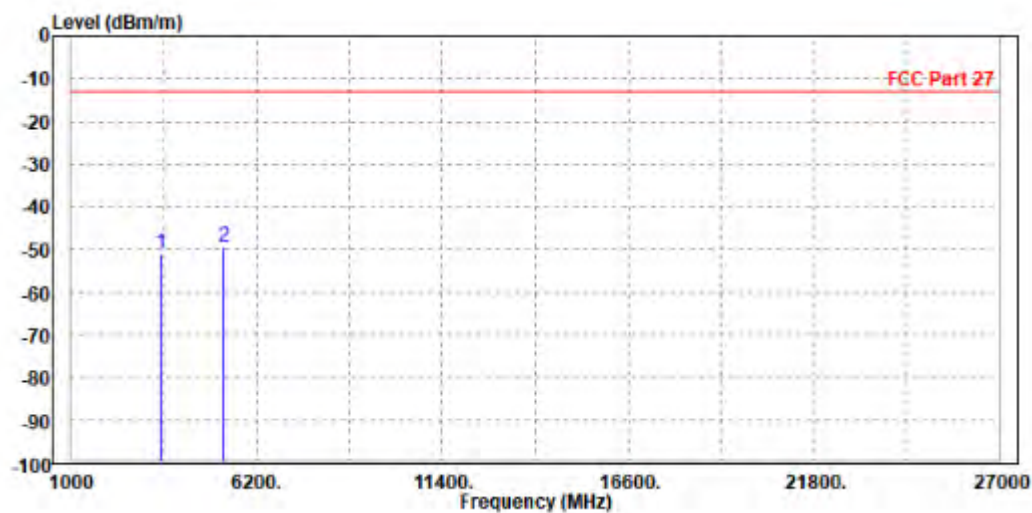
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3510.000	-51.65	-59.00	-13.00	-38.65	7.35	Peak	Horizontal
2 PP	5264.000	-50.08	-60.18	-13.00	-37.08	10.10	Peak	Horizontal



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			

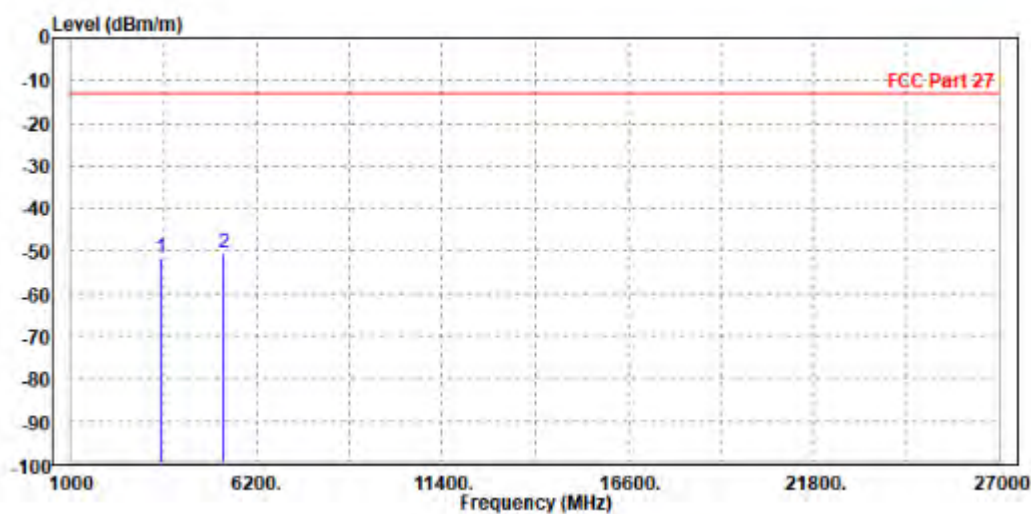
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.08	-58.43	-13.00	-38.08	7.35	Peak	Vertical
2 PP	5265.000	-49.60	-60.11	-13.00	-36.60	10.51	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

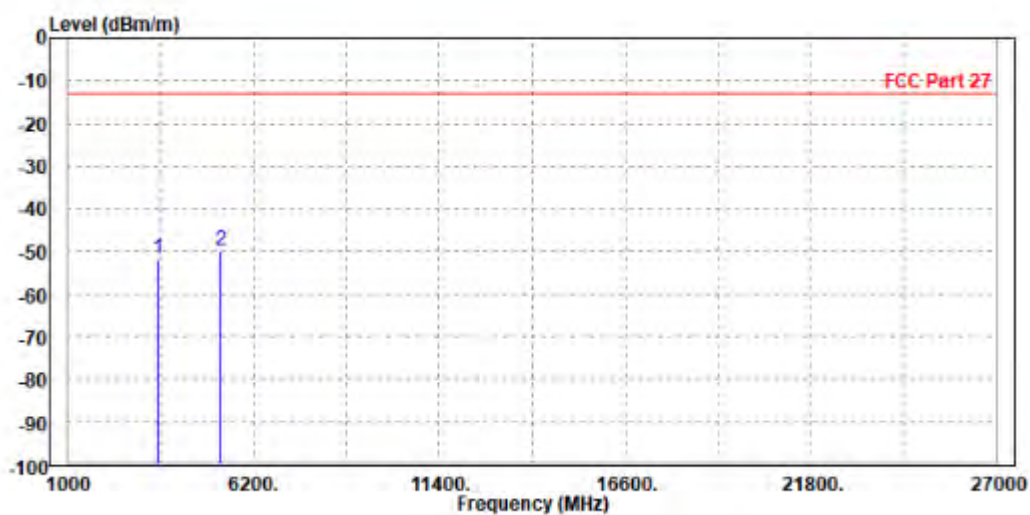
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.64	-59.02	-13.00	-38.64	7.38	Peak	Horizontal
2 PP	5265.000	-50.54	-60.65	-13.00	-37.54	10.11	Peak	Horizontal



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			

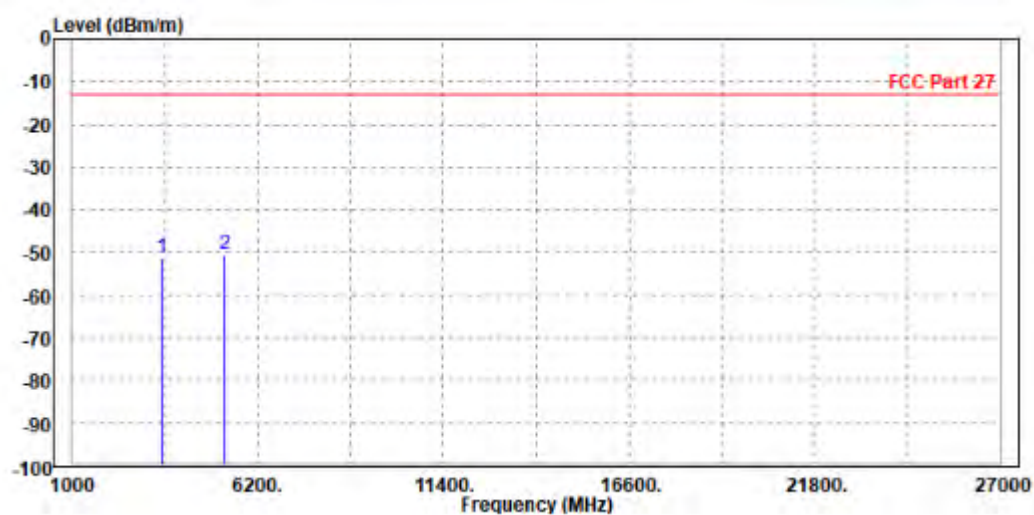
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.57	-58.92	-13.00	-38.57	7.35	Peak	Vertical
2 PP	5264.000	-49.83	-60.34	-13.00	-36.83	10.51	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

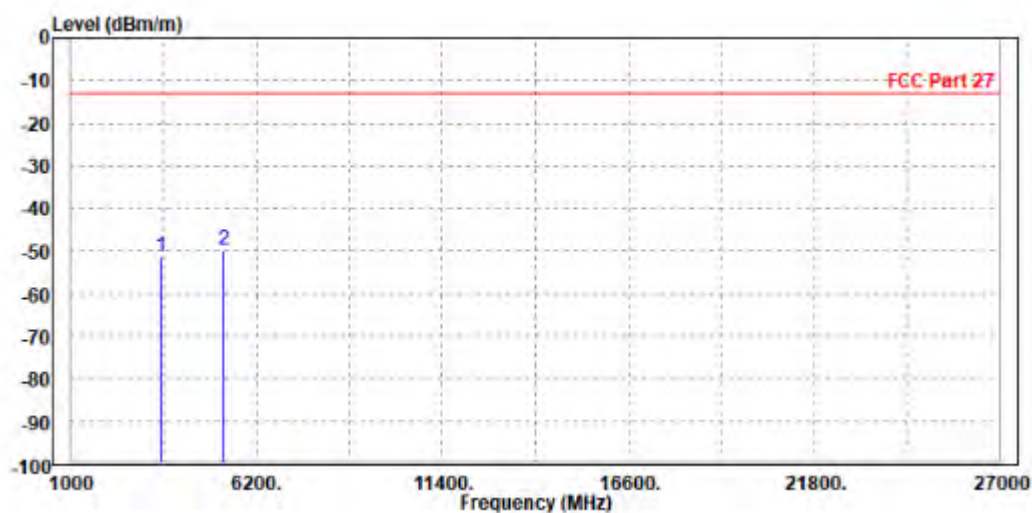
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3510.000	-51.47	-58.82	-13.00	-38.47	7.35	Peak	Horizontal
2 PP	5264.000	-50.61	-60.71	-13.00	-37.61	10.10	Peak	Horizontal



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	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3522.000	-51.23	-58.58	-13.00	-38.23	7.35	Peak	Vertical
2 PP	5265.000	-49.80	-60.31	-13.00	-36.80	10.51	Peak	Vertical





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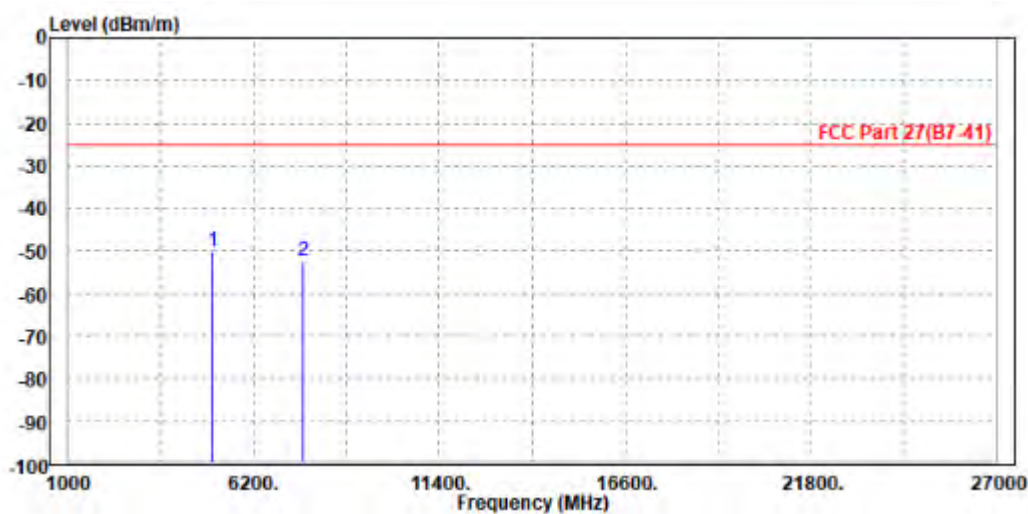
Test Report No.: W7L-P22070038RF06

LTE Band CA_7C

CHANNEL BANDWIDTH: 10 MHz + 20MHz

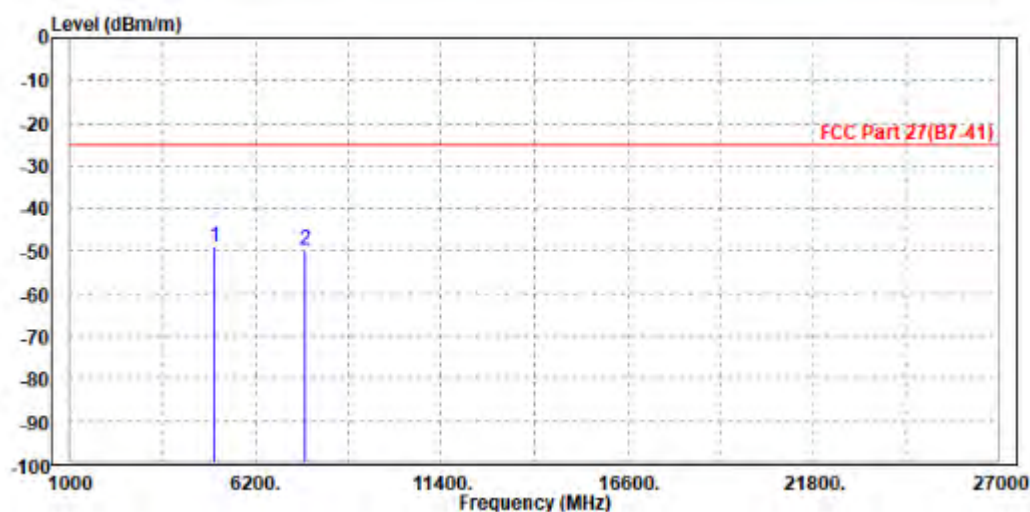
MODE	TX channel PCC 21006	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21150		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-50.27	-60.05	-25.00	-25.27	9.78	Peak	Horizontal
2	7576.800	-52.38	-64.35	-25.00	-27.38	11.97	Peak	Horizontal



MODE	TX channel PCC 21006	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21150		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

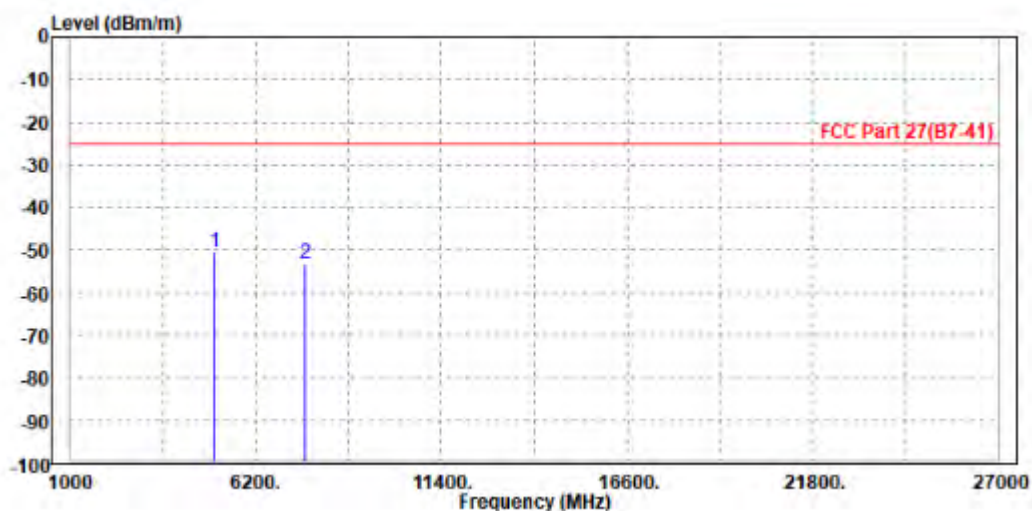
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-48.97	-59.29	-25.00	-23.97	10.32	Peak	Vertical
2	7576.800	-49.93	-64.74	-25.00	-24.93	14.81	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz + 10MHz

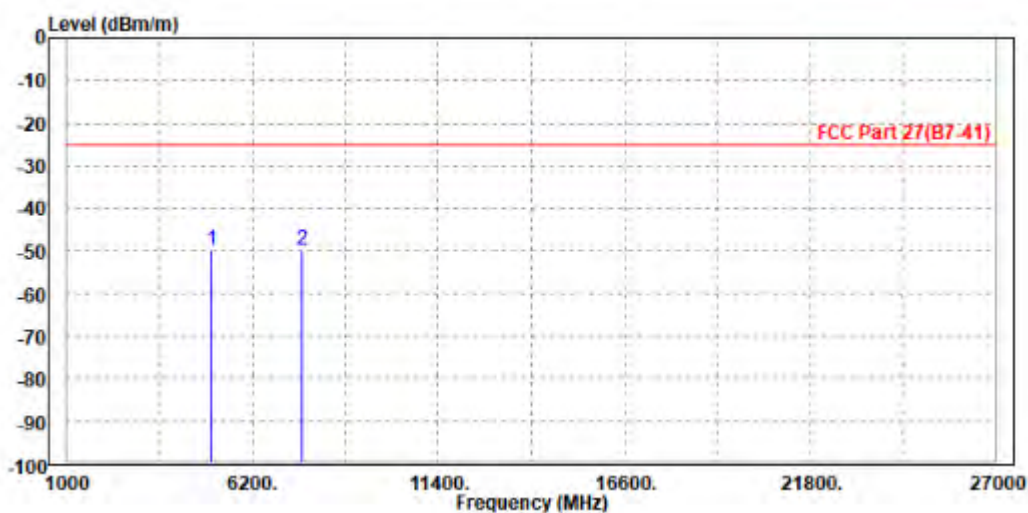
MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21171		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-50.53	-60.31	-25.00	-25.53	9.78	Peak	Horizontal
2	7590.300	-53.20	-65.27	-25.00	-28.20	12.07	Peak	Horizontal



MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21171		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	5056.000	-49.86	-60.18	-25.00	-24.86	10.32	Peak	Vertical
2	7590.300	-49.86	-64.69	-25.00	-24.86	14.83	Peak	Vertical





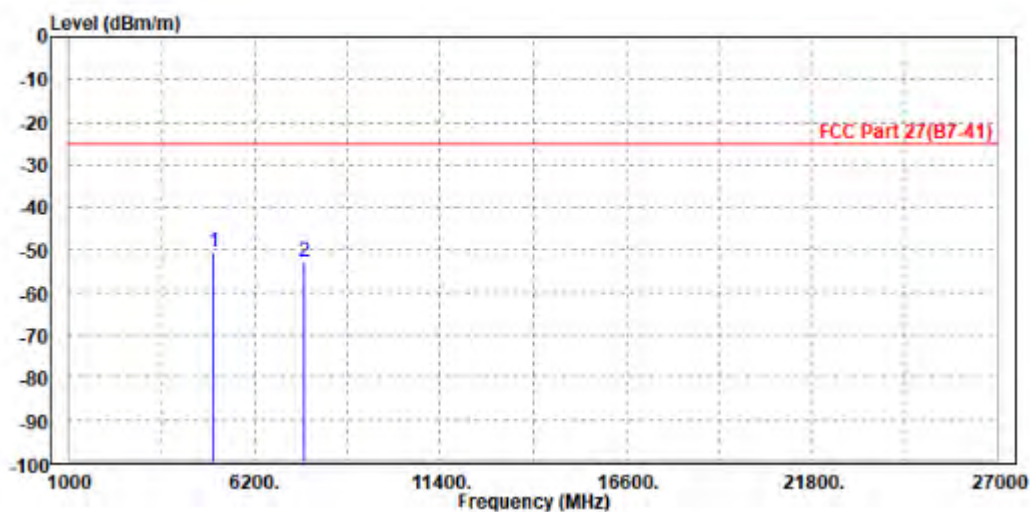
**BUREAU
VERITAS**

Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 15MHz + 15MHz

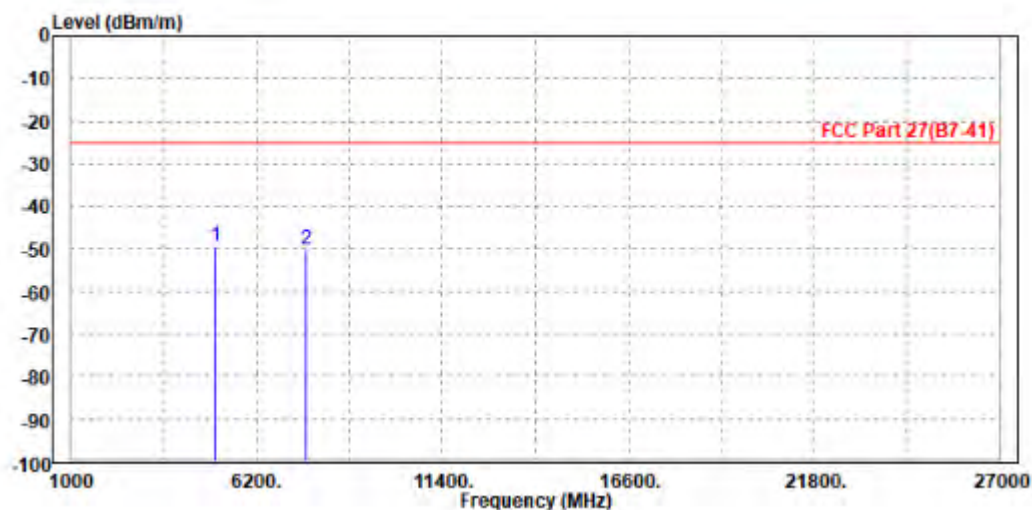
MODE	TX channel PCC 21025	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21175		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-50.40	-60.18	-25.00	-25.40	9.78	Peak	Horizontal
2	7582.500	-52.78	-64.80	-25.00	-27.78	12.02	Peak	Horizontal



MODE	TX channel PCC 21025	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21175		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	5056.000	-49.33	-59.65	-25.00	-24.33	10.32	Peak	Vertical
2		7582.500	-50.33	-65.15	-25.00	-25.33	14.82	Peak	Vertical





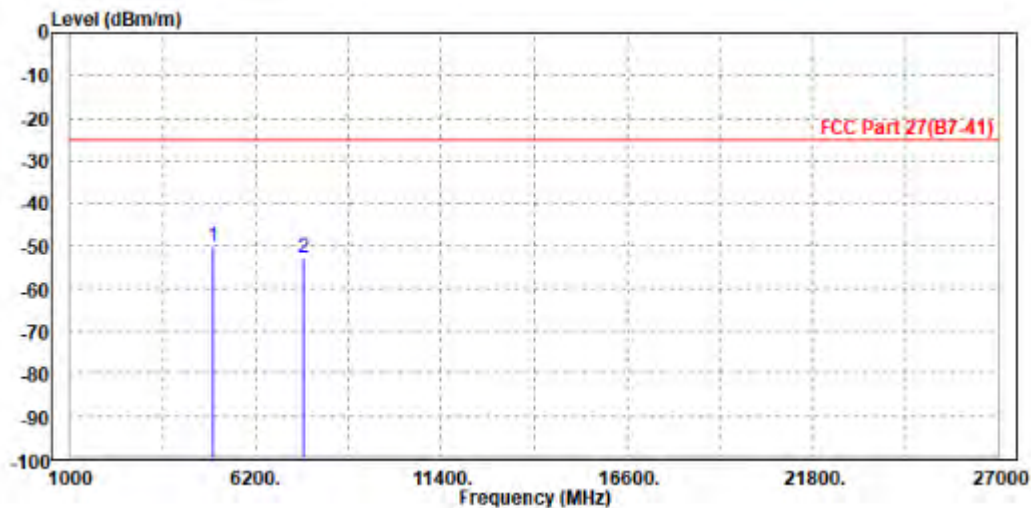
BUREAU
VERITAS

Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 15MHz + 20MHz

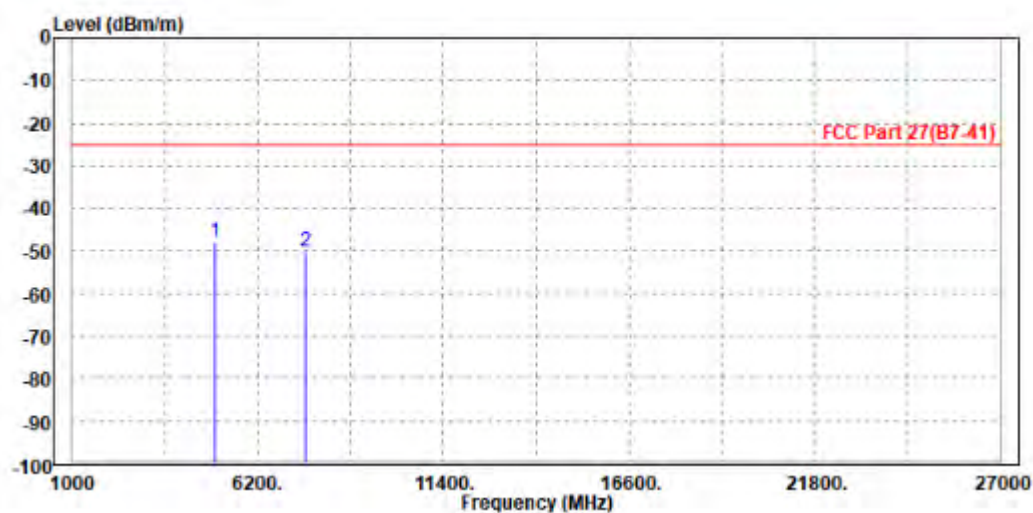
MODE	TX channel PCC 20828	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 20999		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5004.000	-50.19	-59.89	-25.00	-25.19	9.70	Peak	Horizontal
2	7523.400	-52.73	-64.32	-25.00	-27.73	11.59	Peak	Horizontal



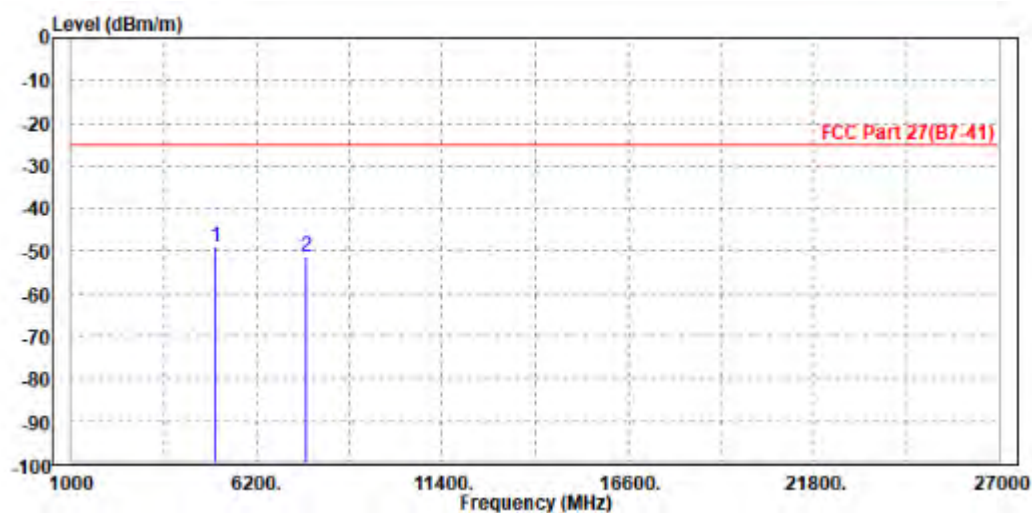
MODE	TX channel PCC 20828	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 20999		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5004.000	-47.98	-58.25	-25.00	-22.98	10.27	Peak	Vertical
2	7523.400	-50.14	-64.87	-25.00	-25.14	14.73	Peak	Vertical



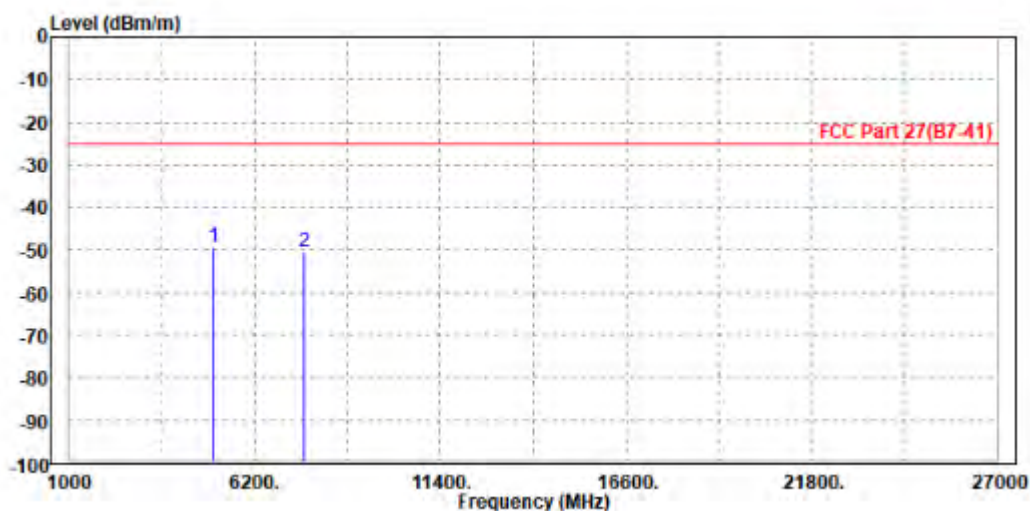
MODE	TX channel PCC 21003	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21174		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-49.23	-59.01	-25.00	-24.23	9.78	Peak	Horizontal
2	7575.900	-51.47	-63.44	-25.00	-26.47	11.97	Peak	Horizontal



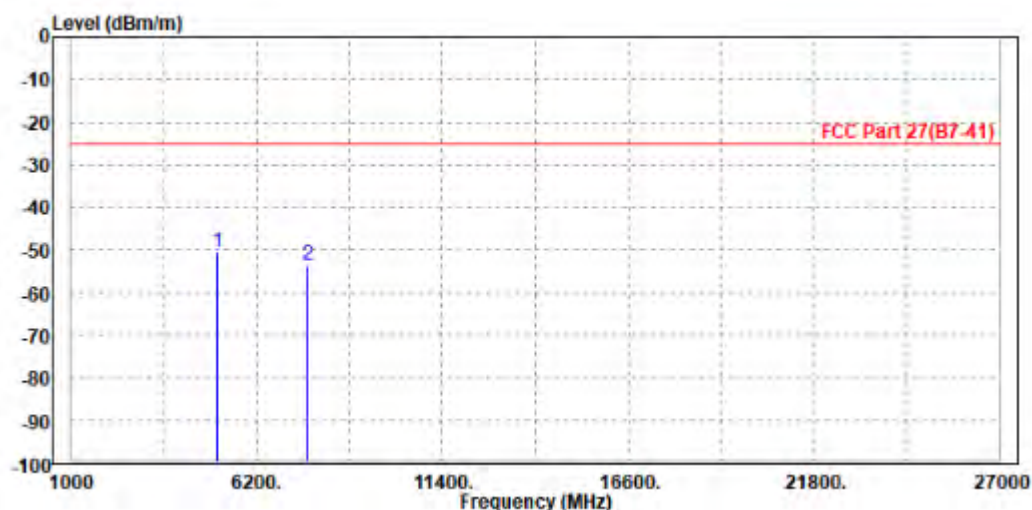
MODE	TX channel PCC 21003	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21174		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-49.53	-59.85	-25.00	-24.53	10.32	Peak	Vertical
2	7575.900	-50.59	-65.40	-25.00	-25.59	14.81	Peak	Vertical



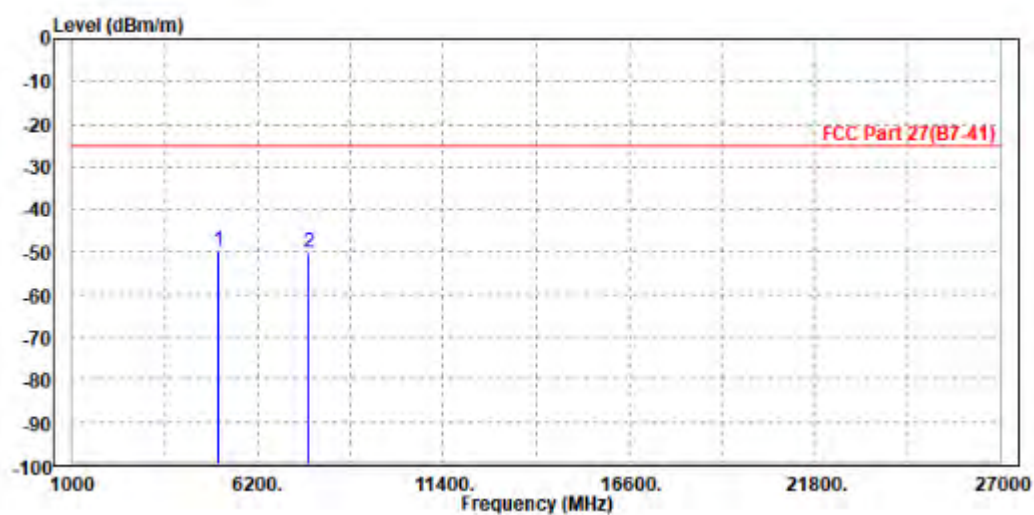
MODE	TX channel PCC 21179	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	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	-50.61	-60.43	-25.00	-25.61	9.82	Peak	Horizontal
2	7628.700	-53.73	-66.08	-25.00	-28.73	12.35	Peak	Horizontal



MODE	TX channel PCC 21179	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21350		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	-49.86	-60.20	-25.00	-24.86	10.34	Peak	Vertical
2		7628.700	-50.38	-65.27	-25.00	-25.38	14.89	Peak	Vertical





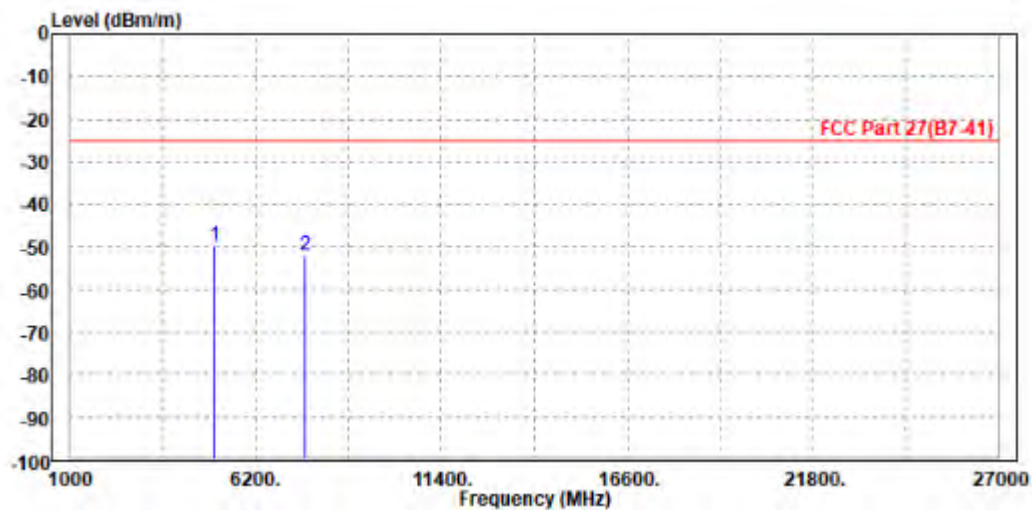
**BUREAU
VERITAS**

Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 20MHz + 10MHz

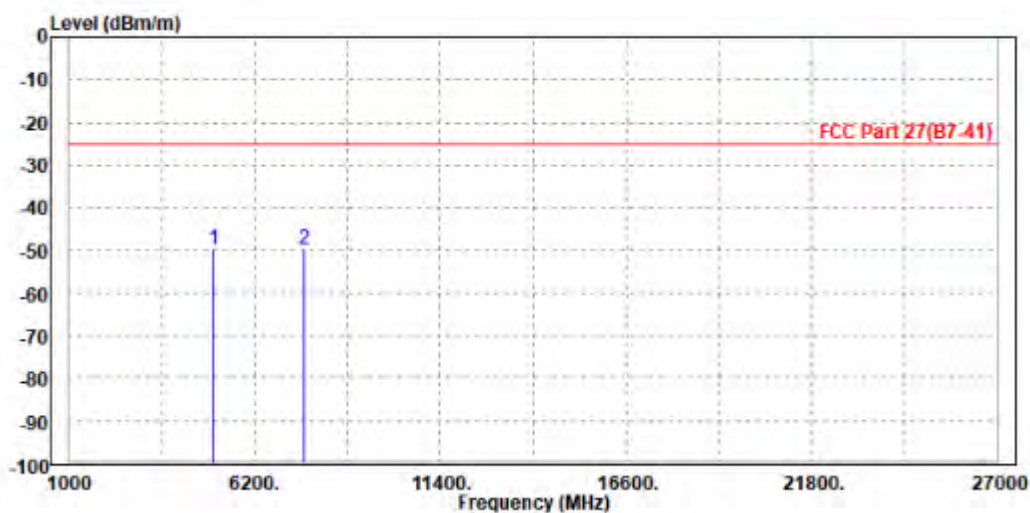
MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21195		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-49.66	-59.44	-25.00	-24.66	9.78	Peak	Horizontal
2	7590.300	-52.05	-64.12	-25.00	-27.05	12.07	Peak	Horizontal



MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21195		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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 5056.000	-49.66	-59.98	-25.00	-24.66	10.32	Peak	Vertical
2	7590.300	-49.85	-64.68	-25.00	-24.85	14.83	Peak	Vertical





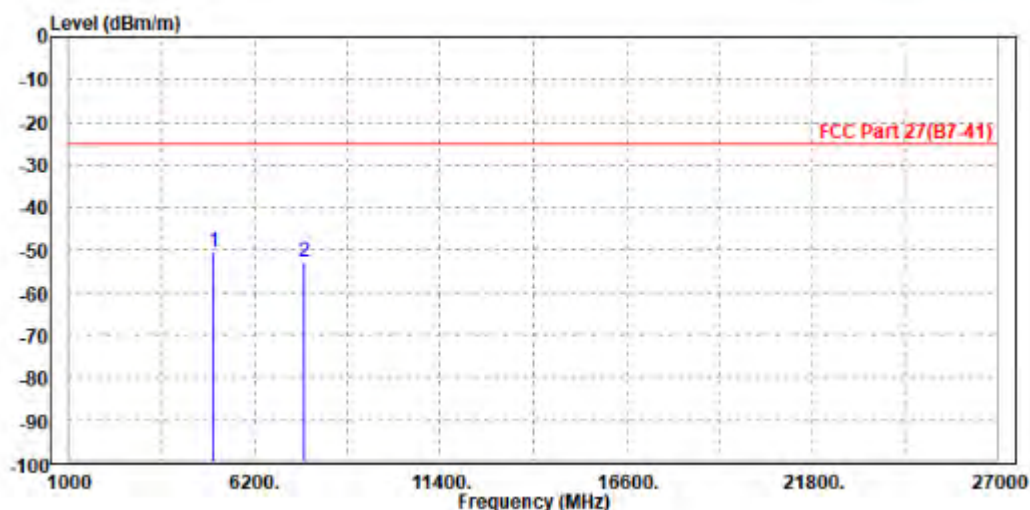
**BUREAU
VERITAS**

Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 20MHz + 15MHz

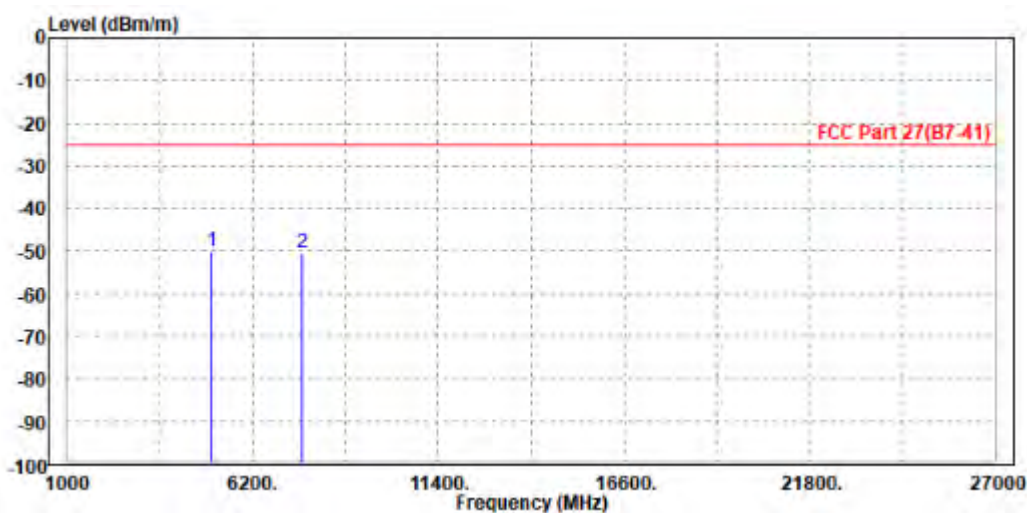
MODE	TX channel PCC 21026	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21197		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-50.41	-60.19	-25.00	-25.41	9.78	Peak	Horizontal
2	7582.800	-53.03	-65.05	-25.00	-28.03	12.02	Peak	Horizontal



MODE	TX channel PCC 21026	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21197		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	5056.000	-50.00	-60.32	-25.00	-25.00	10.32	Peak	Vertical
2	7582.800	-50.65	-65.47	-25.00	-25.65	14.82	Peak	Vertical





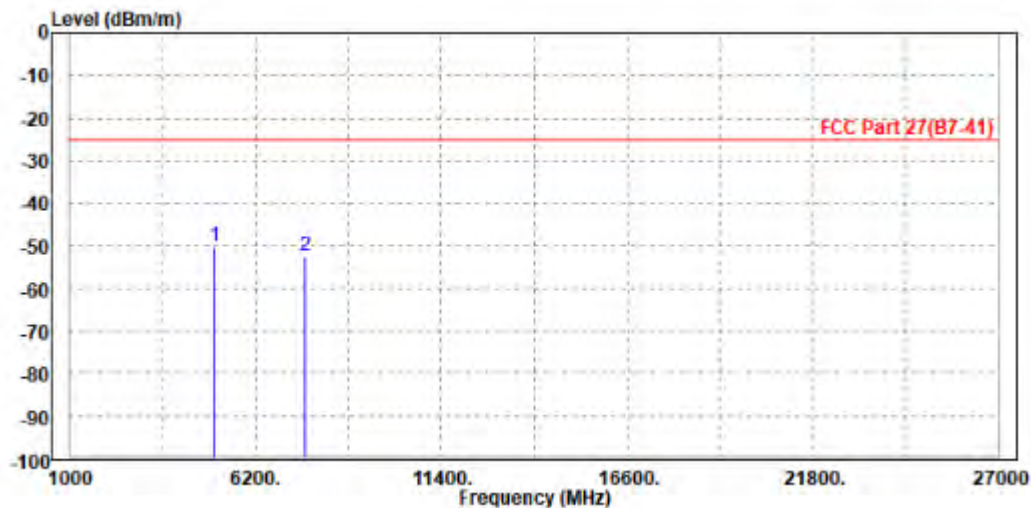
**BUREAU
VERITAS**

Test Report No.: W7L-P22070038RF06

CHANNEL BANDWIDTH: 20MHz + 20MHz

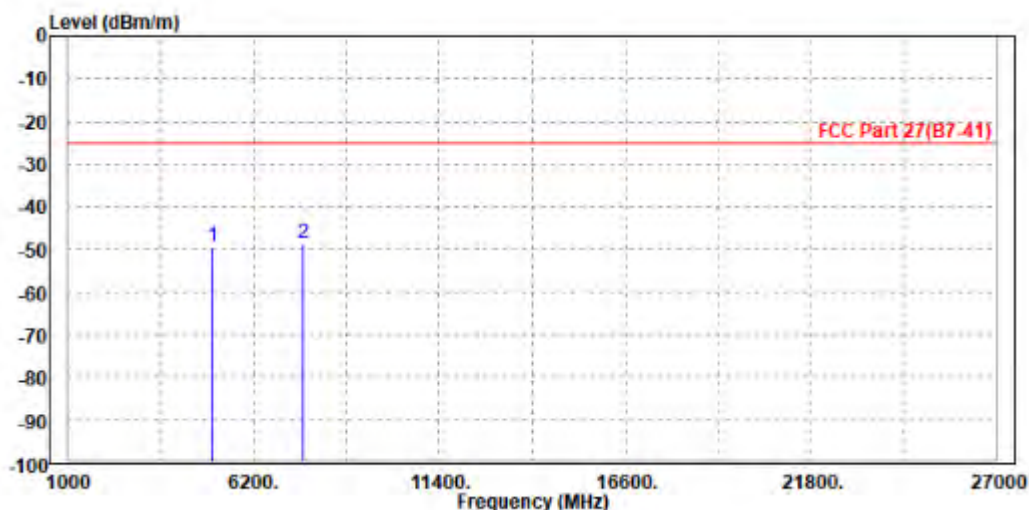
MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-50.12	-59.90	-25.00	-25.12	9.78	Peak	Horizontal
2	7575.300	-52.57	-64.53	-25.00	-27.57	11.96	Peak	Horizontal



MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
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	5050.200	-49.31	-59.62	-25.00	-24.31	10.31	Peak	Vertical
2 PP	7578.000	-48.55	-63.36	-25.00	-23.55	14.81	Peak	Vertical

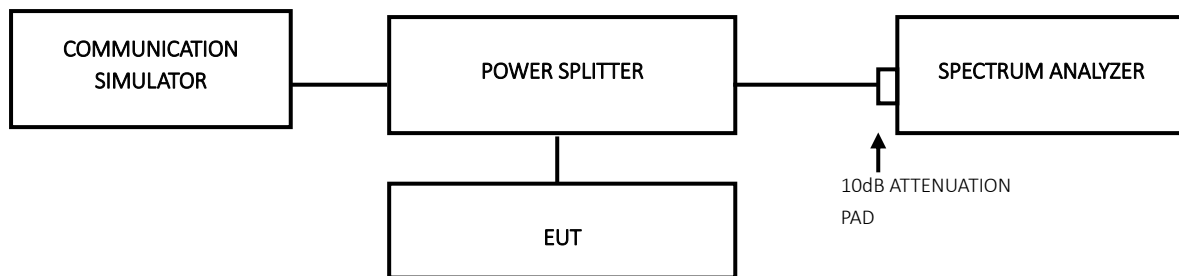


3.7 PEAK TO AVERAGE RATIO

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%.



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3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



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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.



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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.



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6 APPENDIX

WCMDA BAND4

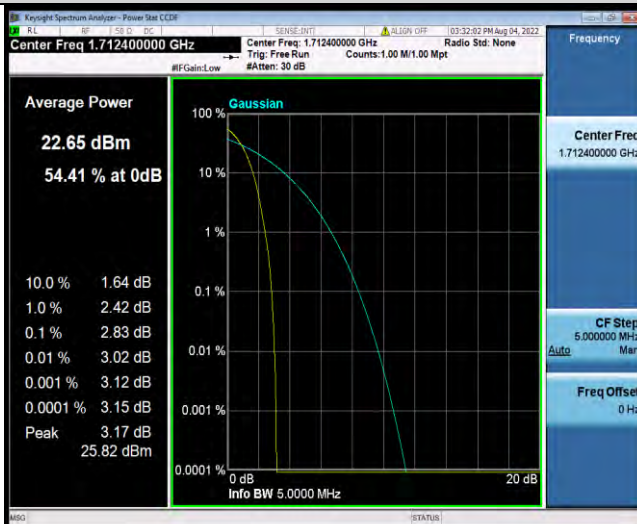
PEAK-TO-AVERAGE RATIO

Test Result

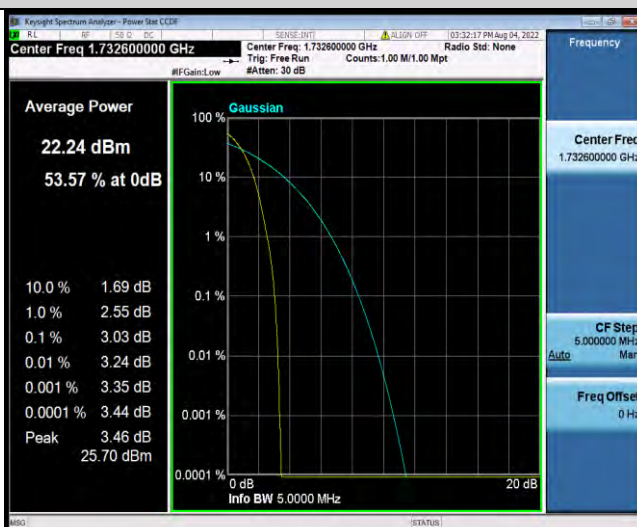
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band4	1312	2.83	13	PASS
Band4	1413	3.03	13	PASS
Band4	1513	2.85	13	PASS

Test Graphs

Band4-1312



Band4-1413



Band4-1513





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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	4.1665	4.683	---	PASS
Band4	1413	4.1701	4.683	---	PASS
Band4	1513	4.1681	4.693	---	PASS

Test Graphs







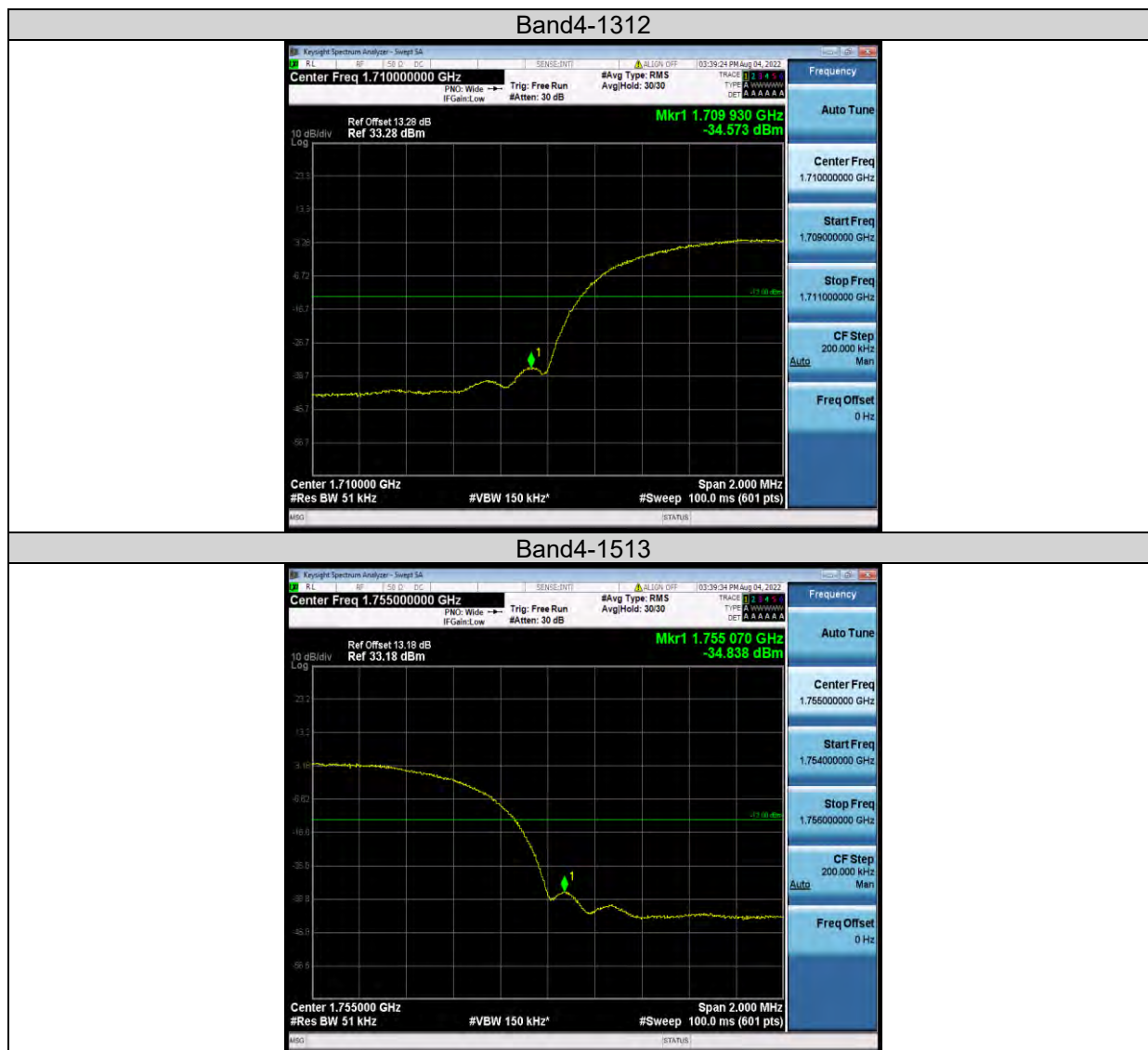
Test Report No.: W7L-P22070038RF06

BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.93	-33.95	-13	PASS
Band4	1513	1755.07	-34.53	-13	PASS

Test Graphs

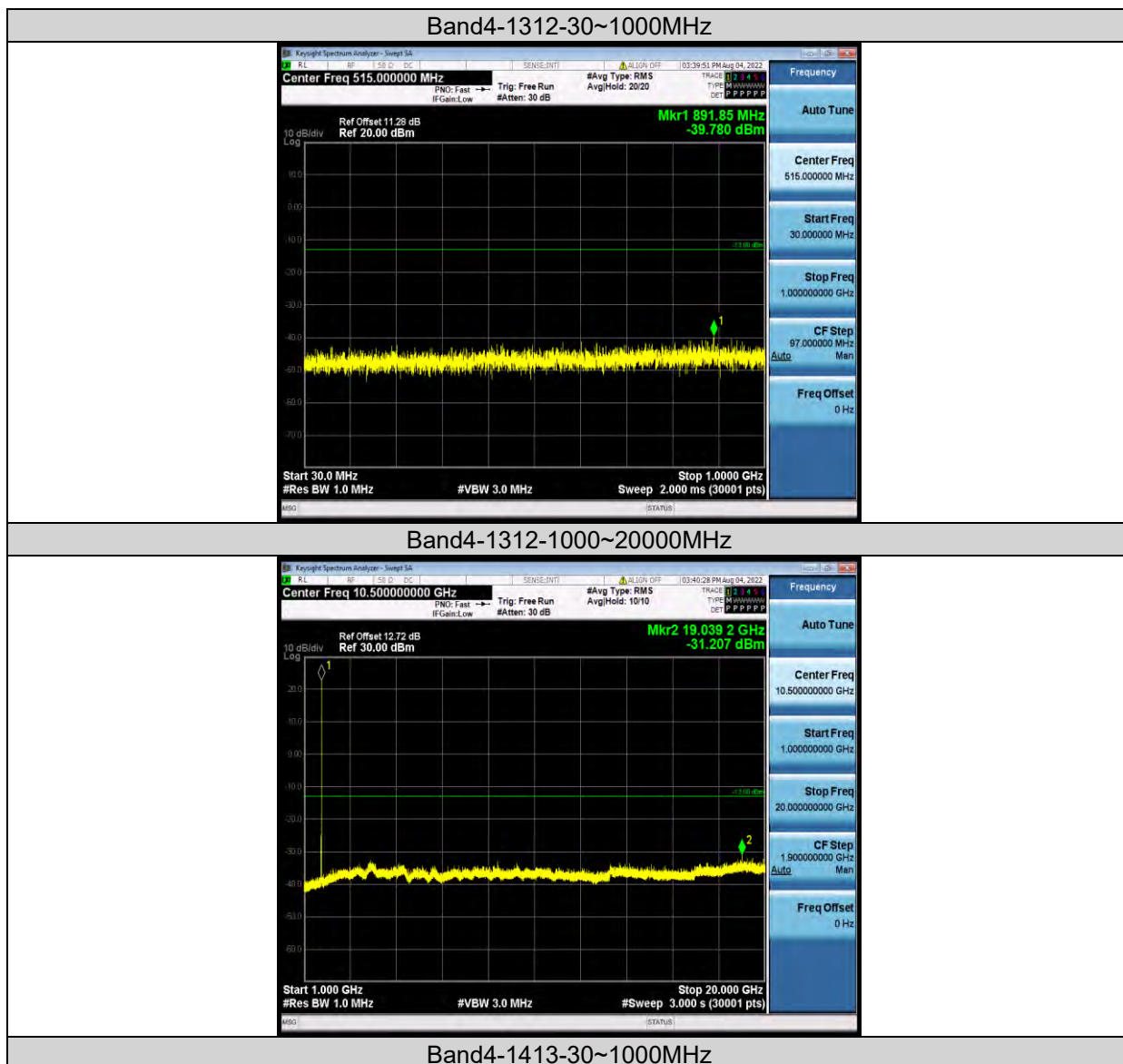


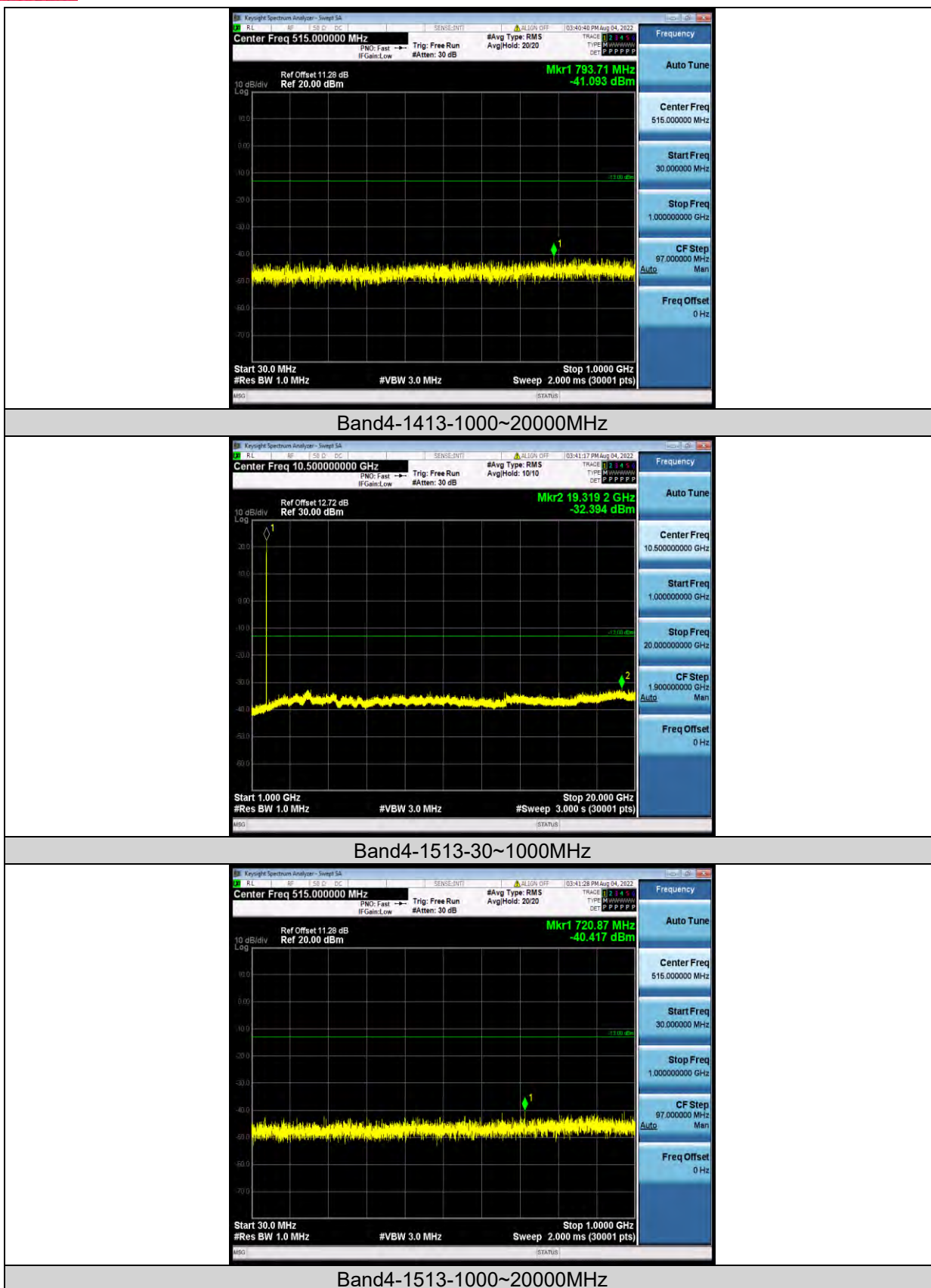
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	30~1000MHz	891.85	-39.78	-13	PASS
Band4	1312	1000~20000MHz	19039.23	-31.21	-13	PASS
Band4	1413	30~1000MHz	793.71	-41.09	-13	PASS
Band4	1413	1000~20000MHz	19319.17	-32.39	-13	PASS
Band4	1513	30~1000MHz	720.87	-40.42	-13	PASS
Band4	1513	1000~20000MHz	18782.73	-32.24	-13	PASS

Test Graphs







FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	10.20	0.005957	±2.5	PASS
Band4	1312	VN	NT	6.22	0.003632	±2.5	PASS
Band4	1312	VH	NT	2.15	0.001256	±2.5	PASS
Band4	1413	VL	NT	2.50	0.001443	±2.5	PASS
Band4	1413	VN	NT	6.00	0.003463	±2.5	PASS
Band4	1413	VH	NT	4.43	0.002557	±2.5	PASS
Band4	1513	VL	NT	5.89	0.003361	±2.5	PASS
Band4	1513	VN	NT	1.75	0.000999	±2.5	PASS
Band4	1513	VH	NT	3.53	0.002014	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	8.73	0.005098	±2.5	PASS
Band4	1312	NV	-20	8.82	0.005151	±2.5	PASS
Band4	1312	NV	0	6.72	0.003924	±2.5	PASS
Band4	1312	NV	10	9.07	0.005297	±2.5	PASS
Band4	1312	NV	20	4.26	0.002488	±2.5	PASS
Band4	1312	NV	30	9.76	0.005700	±2.5	PASS
Band4	1312	NV	40	1.49	0.000870	±2.5	PASS
Band4	1312	NV	50	-6.85	-0.004000	±2.5	PASS
Band4	1413	NV	-30	0.72	0.000416	±2.5	PASS
Band4	1413	NV	-20	2.74	0.001581	±2.5	PASS
Band4	1413	NV	0	3.47	0.002003	±2.5	PASS
Band4	1413	NV	10	1.38	0.000796	±2.5	PASS
Band4	1413	NV	20	2.52	0.001454	±2.5	PASS
Band4	1413	NV	30	1.42	0.000820	±2.5	PASS
Band4	1413	NV	40	7.17	0.004138	±2.5	PASS
Band4	1413	NV	50	8.47	0.004889	±2.5	PASS
Band4	1513	NV	-30	-4.53	-0.002585	±2.5	PASS
Band4	1513	NV	-20	5.71	0.003258	±2.5	PASS
Band4	1513	NV	0	4.52	0.002579	±2.5	PASS
Band4	1513	NV	10	6.29	0.003589	±2.5	PASS
Band4	1513	NV	20	4.68	0.002670	±2.5	PASS
Band4	1513	NV	30	3.37	0.001923	±2.5	PASS
Band4	1513	NV	40	0.86	0.000491	±2.5	PASS
Band4	1513	NV	50	1.93	0.001101	±2.5	PASS

LTE BAND7

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.33	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.52	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.20	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.57	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.27	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.88	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.81	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.49	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.82	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.36	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.19	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.55	13	PASS
Band7	5MHz	64QAM	20775	1RB#0	5.91	13	PASS
Band7	5MHz	64QAM	20775	25RB#0	5.97	13	PASS
Band7	5MHz	64QAM	21100	1RB#0	6.58	13	PASS
Band7	5MHz	64QAM	21100	25RB#0	6.54	13	PASS
Band7	5MHz	64QAM	21425	1RB#0	5.56	13	PASS
Band7	5MHz	64QAM	21425	25RB#0	6.16	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.12	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.43	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.29	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.61	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.84	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.72	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.63	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.23	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.14	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.27	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.63	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.44	13	PASS
Band7	10MHz	64QAM	20800	1RB#0	5.85	13	PASS
Band7	10MHz	64QAM	20800	50RB#0	5.95	13	PASS
Band7	10MHz	64QAM	21100	1RB#0	5.98	13	PASS
Band7	10MHz	64QAM	21100	50RB#0	6.61	13	PASS
Band7	10MHz	64QAM	21400	1RB#0	5.36	13	PASS
Band7	10MHz	64QAM	21400	50RB#0	6.05	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.13	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.79	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.15	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.85	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.97	13	PASS



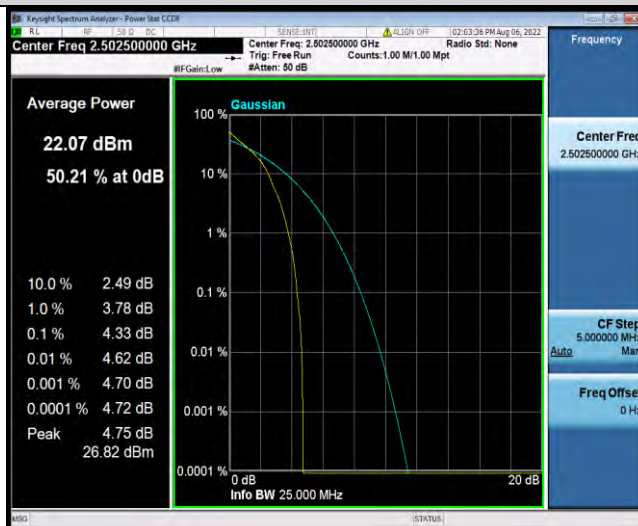
BUREAU
VERITAS

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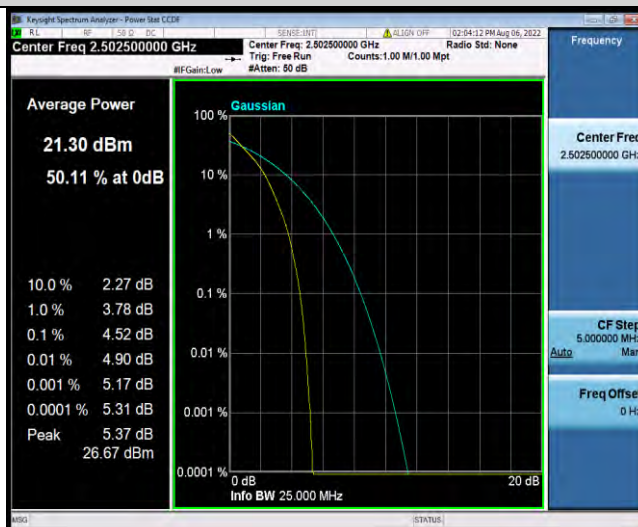
Band7	15MHz	QPSK	21375	75RB#0	5.04	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.96	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.40	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.10	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.37	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.65	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.57	13	PASS
Band7	15MHz	64QAM	20825	1RB#0	5.70	13	PASS
Band7	15MHz	64QAM	20825	75RB#0	5.93	13	PASS
Band7	15MHz	64QAM	21100	1RB#0	5.90	13	PASS
Band7	15MHz	64QAM	21100	75RB#0	6.57	13	PASS
Band7	15MHz	64QAM	21375	1RB#0	5.37	13	PASS
Band7	15MHz	64QAM	21375	75RB#0	6.11	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.14	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.91	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.83	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.60	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.12	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.06	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.79	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.55	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.61	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.33	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.05	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.68	13	PASS
Band7	20MHz	64QAM	20850	1RB#0	5.23	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.08	13	PASS
Band7	20MHz	64QAM	21100	1RB#0	6.12	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.65	13	PASS
Band7	20MHz	64QAM	21350	1RB#0	5.19	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.16	13	PASS

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0

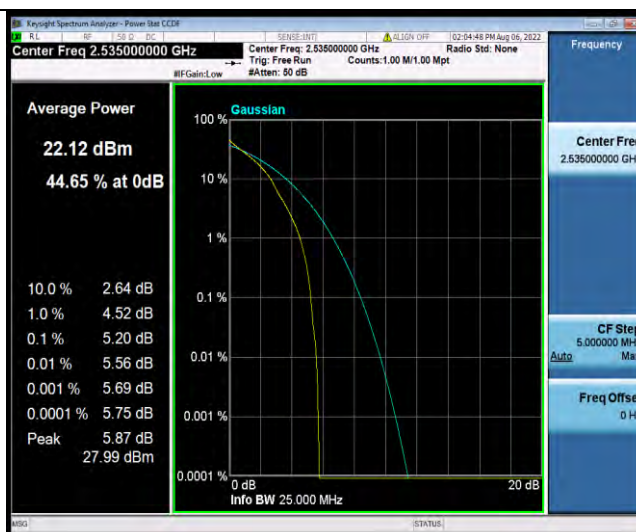


Band7-5MHz-QPSK-21100-1RB#0



BUREAU
VERITAS

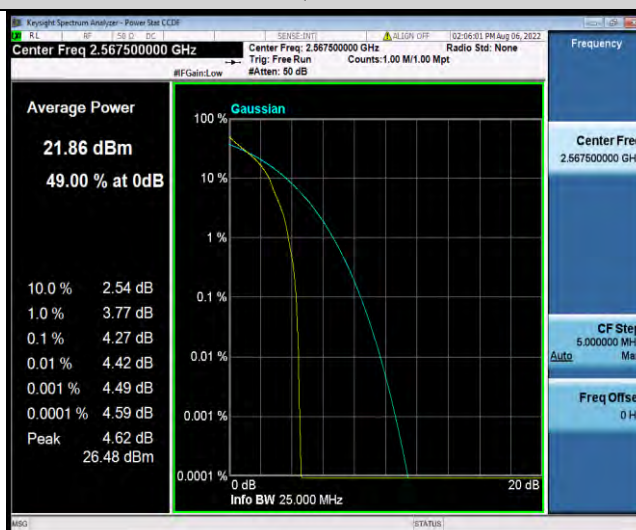
Test Report No.: W7L-P22070038RF06



Band7-5MHz-QPSK-21100-25RB#0



Band7-5MHz-QPSK-21425-1RB#0



Band7-5MHz-QPSK-21425-25RB#0



BUREAU
VERITAS

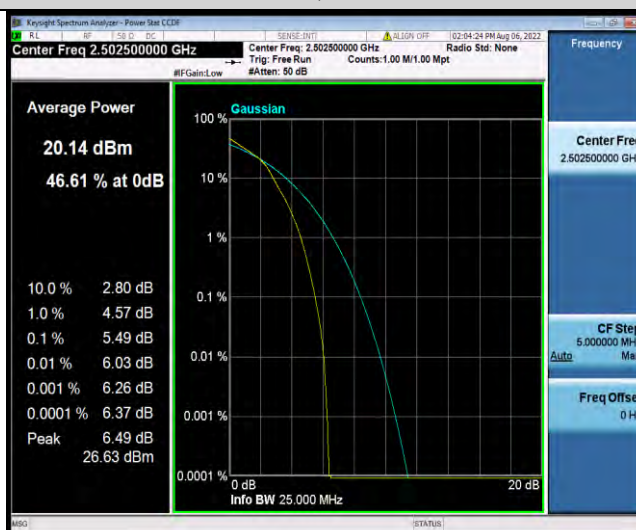
Test Report No.: W7L-P22070038RF06



Band7-5MHz-16QAM-20775-1RB#0



Band7-5MHz-16QAM-20775-25RB#0

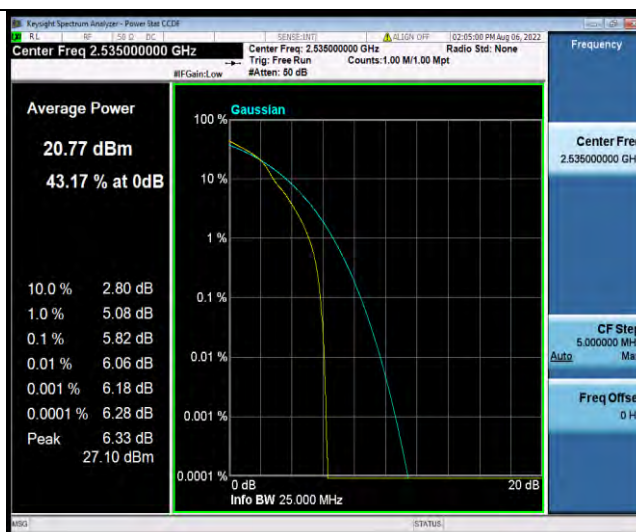


Band7-5MHz-16QAM-21100-1RB#0



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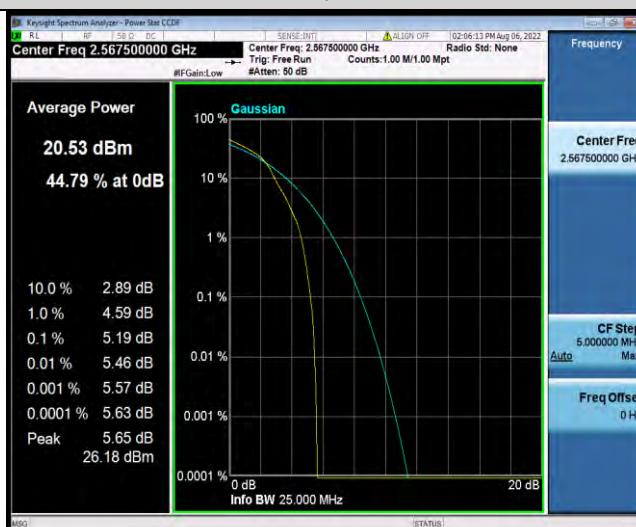
Test Report No.: W7L-P22070038RF06



Band7-5MHz-16QAM-21100-25RB#0



Band7-5MHz-16QAM-21425-1RB#0

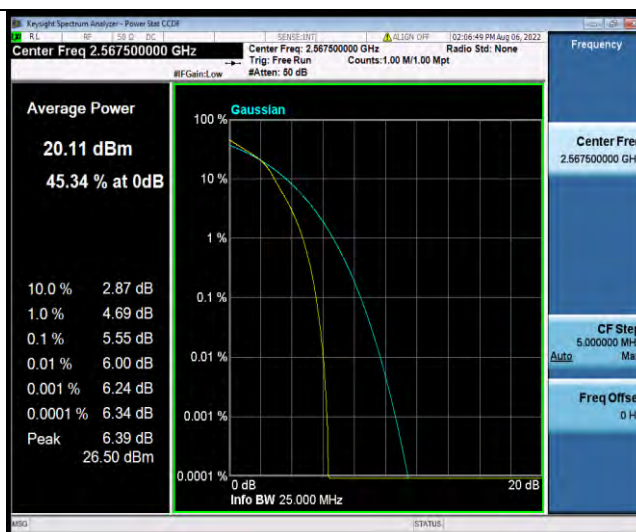


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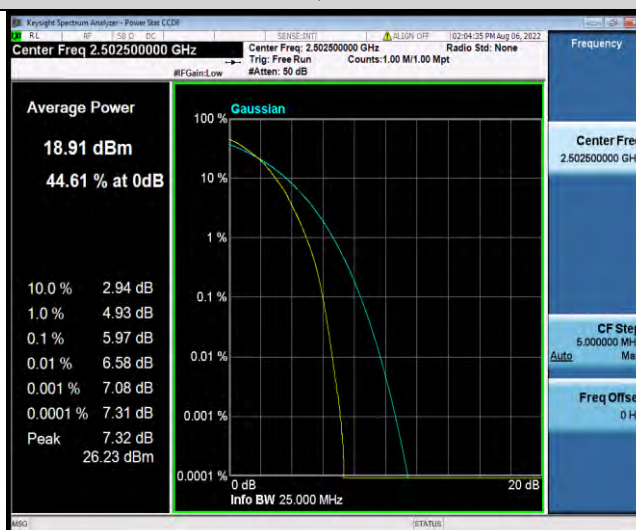
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Band7-5MHz-64QAM-20775-1RB#0



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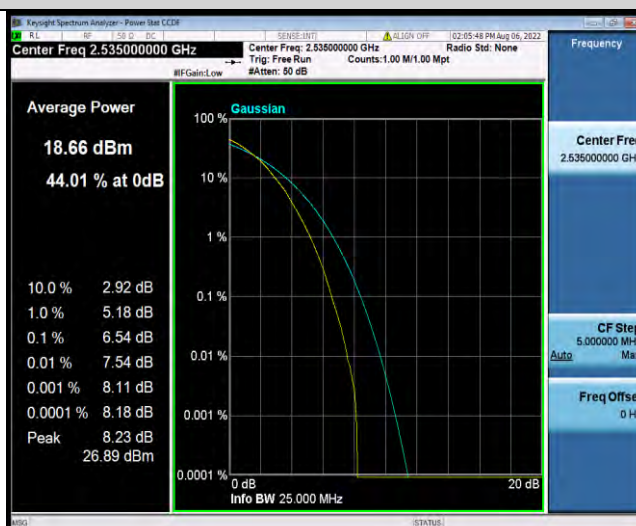


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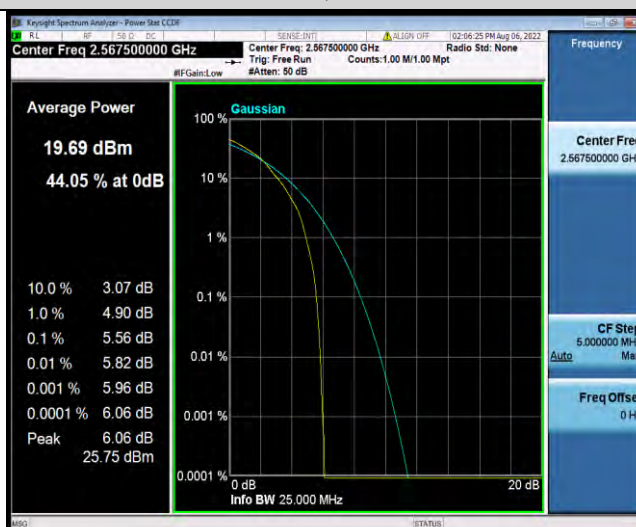
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Band7-5MHz-64QAM-21100-25RB#0



Band7-5MHz-64QAM-21425-1RB#0



Band7-5MHz-64QAM-21425-25RB#0