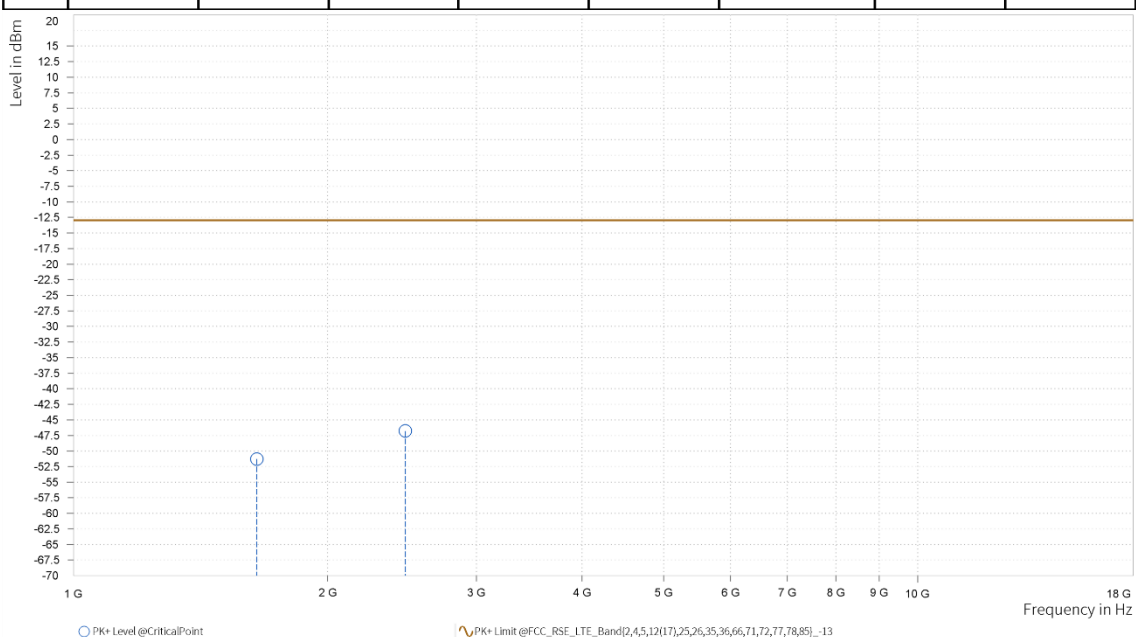




CHANNEL BANDWIDTH	3MHz/QPSK	MODE	TX channel 20415
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,648.300	-51.29	-13.00	38.29	18.11	V	1.4	2.00
3	2,472.450	-46.77	-13.00	33.77	24.10	V	359	2.00

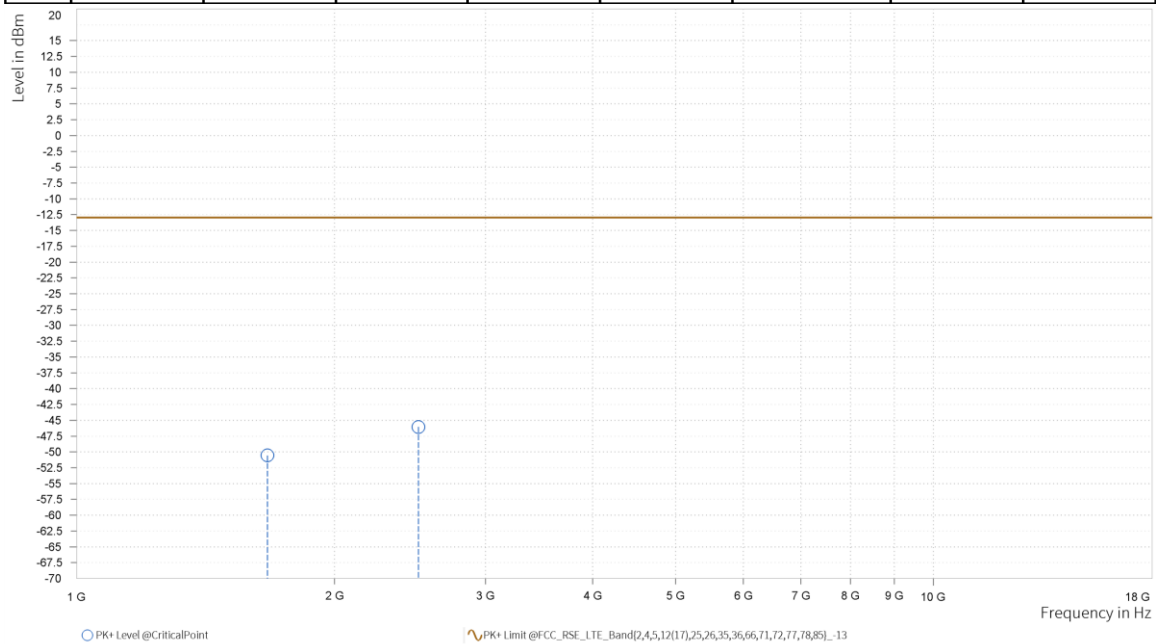




CHANNEL BANDWIDTH	3MHz/QPSK	MODE	TX channel 20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,670.300	-50.55	-13.00	37.55	19.79	H	358.4	1.00
3	2,505.450	-46.06	-13.00	33.06	23.83	H	137	1.00

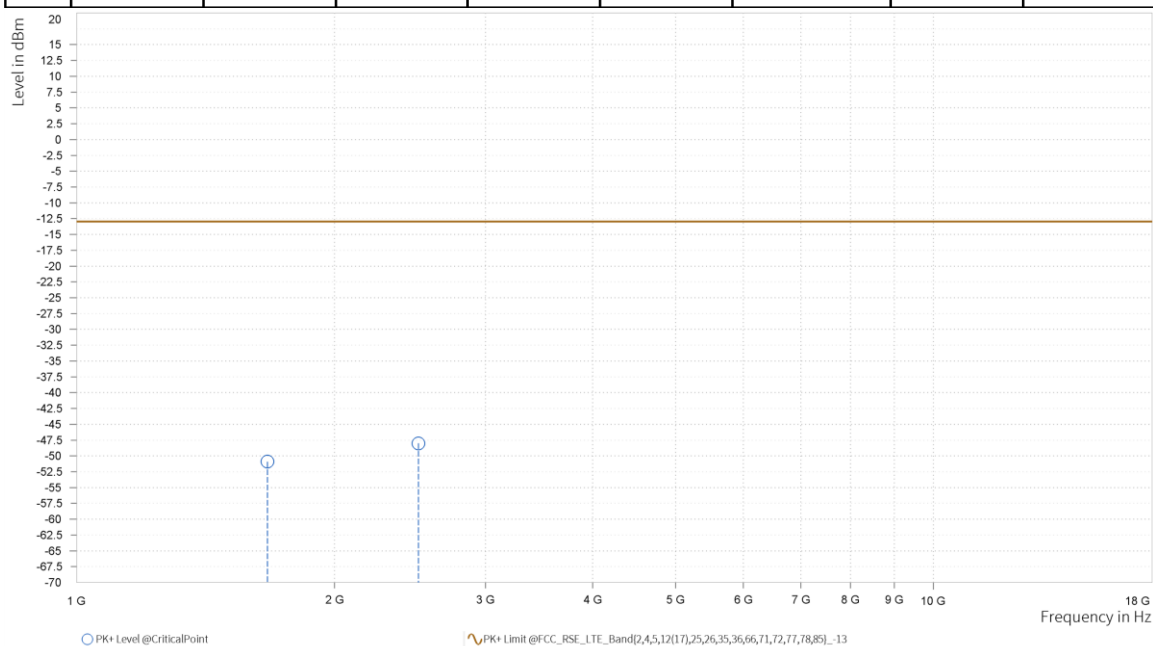




<b>CHANNEL BANDWIDTH</b>	3MHz/QPSK	<b>MODE</b>	TX channel 20525
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,670.300	-50.90	-13.00	37.90	19.56	V	72.4	1.00
3	2,505.450	-48.01	-13.00	35.01	23.47	V	219.4	2.00

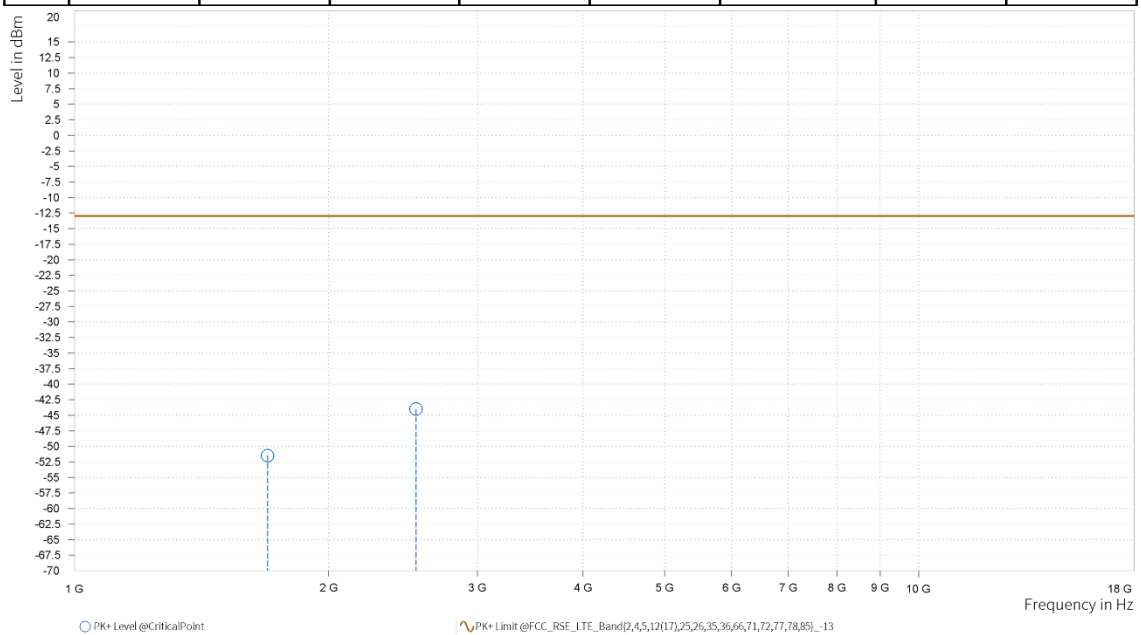




CHANNEL BANDWIDTH	3MHz/QPSK	MODE	TX channel 20635
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,692.300	-51.49	-13.00	38.49	20.45	H	70	1.00
3	2,538.450	-44.01	-13.00	31.01	23.42	H	138.2	1.00

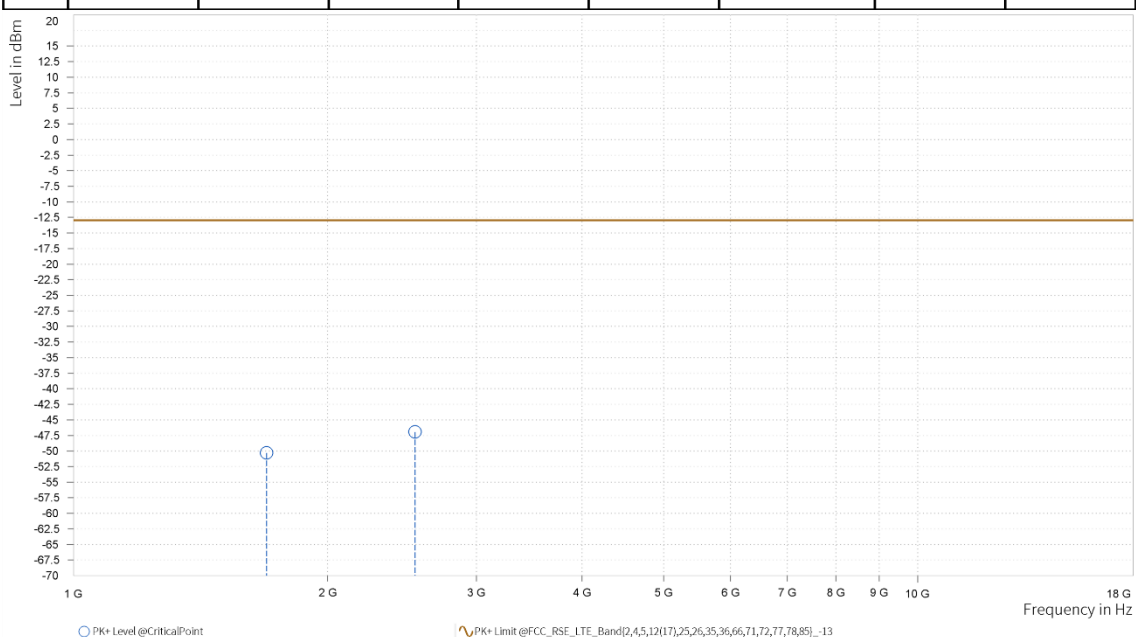




CHANNEL BANDWIDTH	3MHz/QPSK	MODE	TX channel 20635
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,692.300	-50.31	-13.00	37.31	20.57	V	359	1.00
3	2,538.450	-46.93	-13.00	33.93	23.19	V	359	2.00

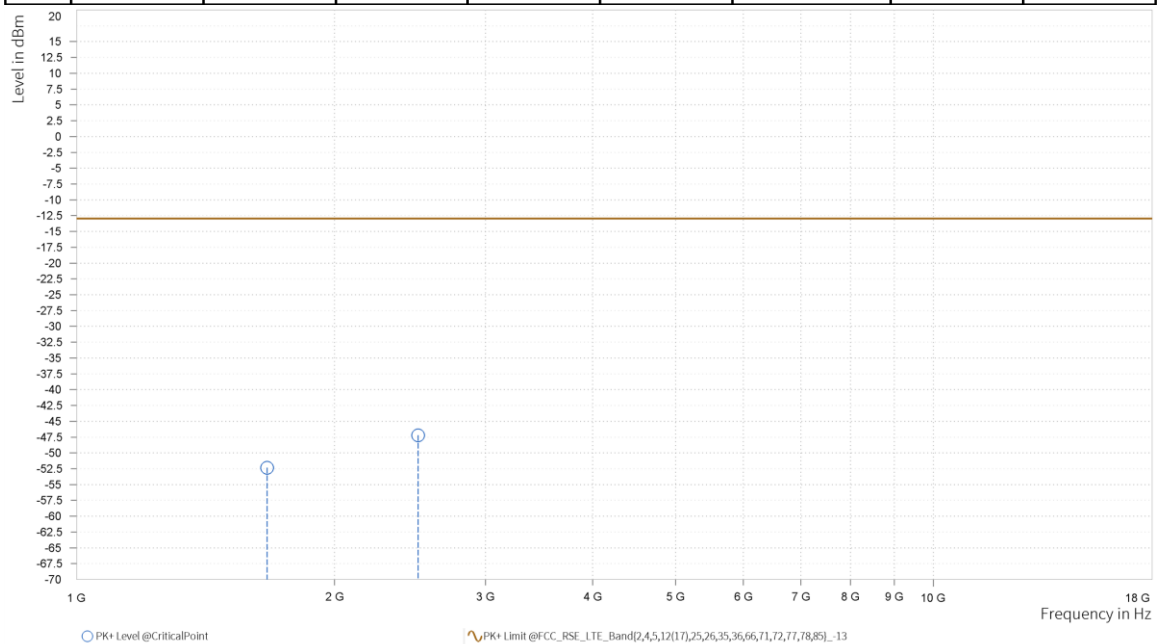




CHANNEL BANDWIDTH	5MHz/QPSK	MODE	TX channel 20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,668.500	-52.33	-13.00	39.33	19.71	H	291.2	2.00
3	2,502.750	-47.22	-13.00	34.22	23.84	H	135.8	1.00

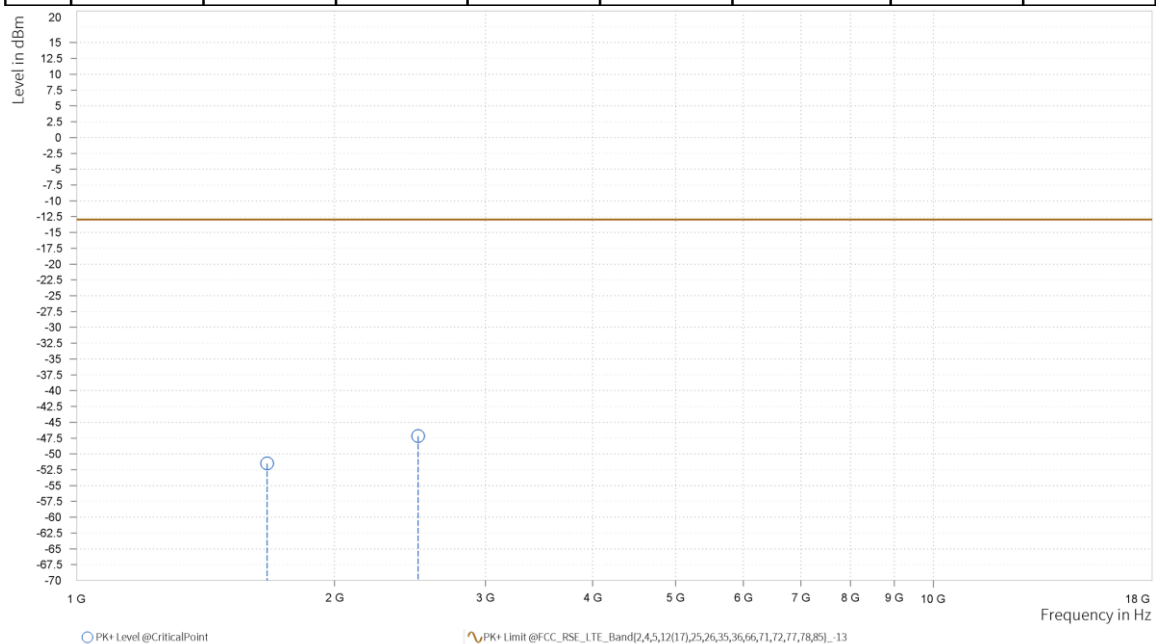




CHANNEL BANDWIDTH	5MHz/QPSK	MODE	TX channel 20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,668.500	-51.52	-13.00	38.52	19.44	V	358.6	1.00
3	2,502.750	-47.18	-13.00	34.18	23.48	V	359	2.00

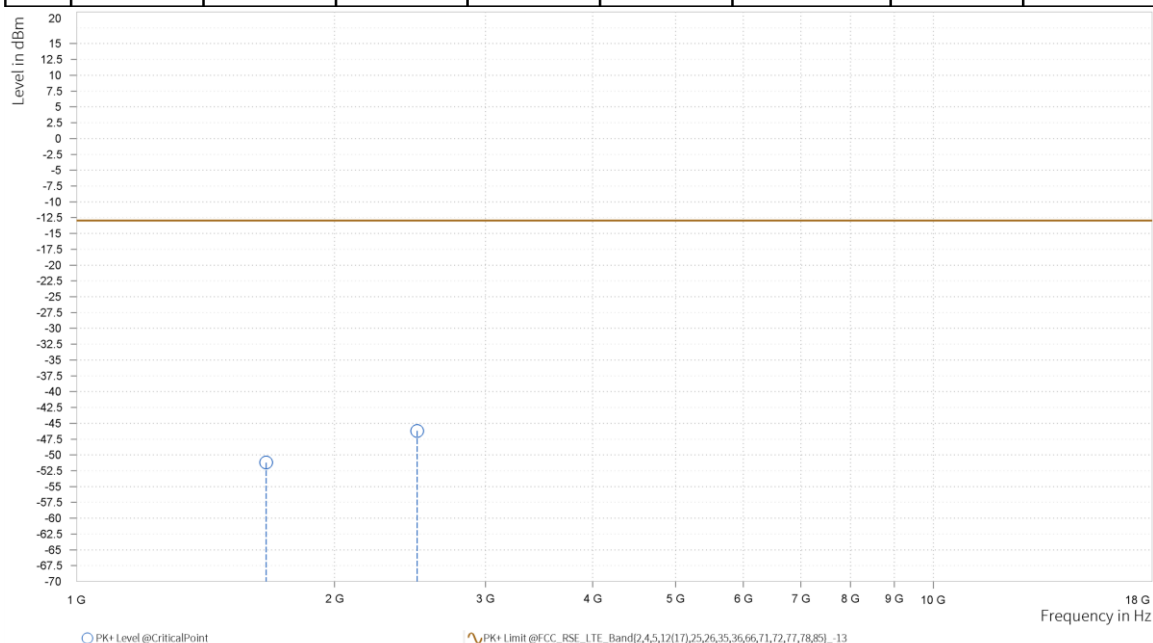




CHANNEL BANDWIDTH	10MHz/QPSK	MODE	TX channel 20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-51.20	-13.00	38.20	19.52	H	66.4	1.00
3	2,496.000	-46.19	-13.00	33.19	23.86	H	229.1	2.00



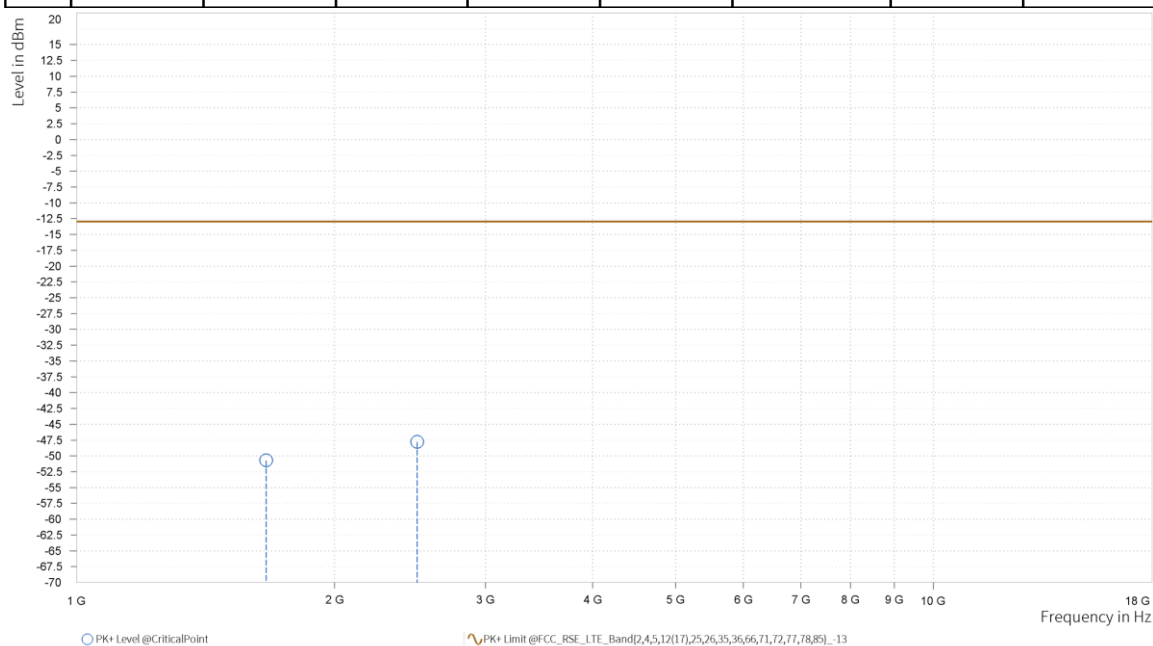




CHANNEL BANDWIDTH	10MHz/QPSK	MODE	TX channel 20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-50.70	-13.00	37.70	19.18	V	293.6	2.00
3	2,496.000	-47.79	-13.00	34.79	23.47	V	229.1	2.00



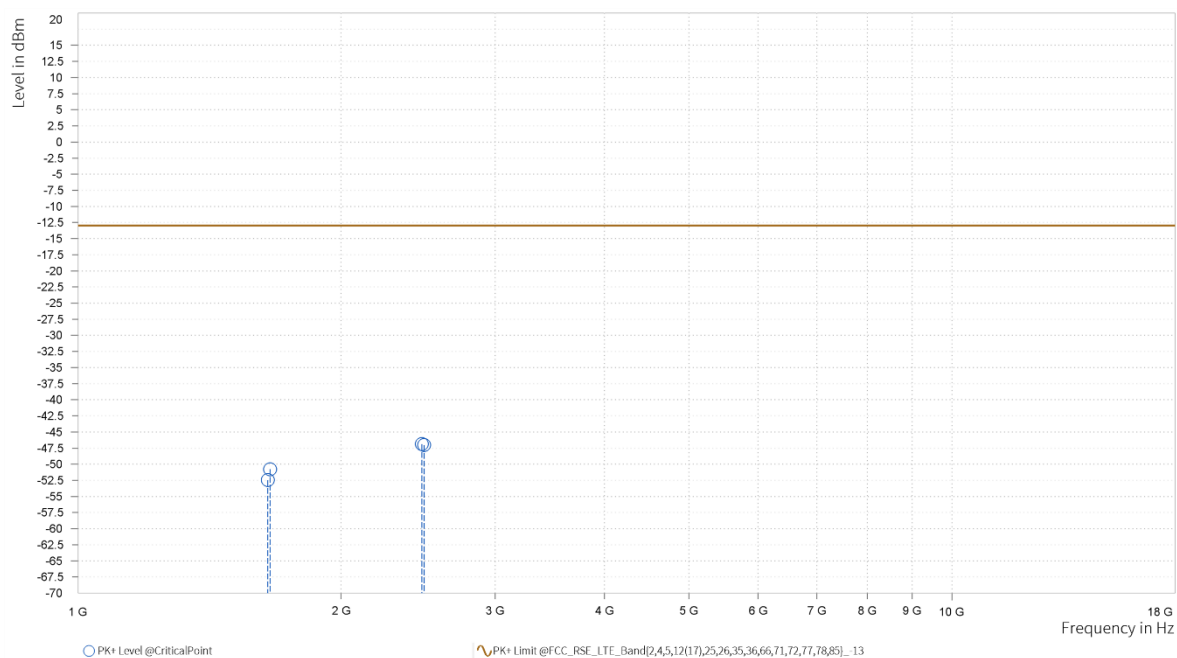


CA\_5B

CHANNEL BANDWIDTH	5MHz+10MHz / QPSK	MODE	TX channel PCC 20450
			TX channel SCC 20522
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.100	-52.45	-13.00	39.45	18.65	H	0.9	2.00
2	1,659.000	-50.77	-13.00	37.77	19.29	H	1	1.00
3	2,473.650	-46.88	-13.00	33.88	24.39	H	212.3	2.00
3	2,488.500	-47.04	-13.00	34.04	23.94	H	1	1.00

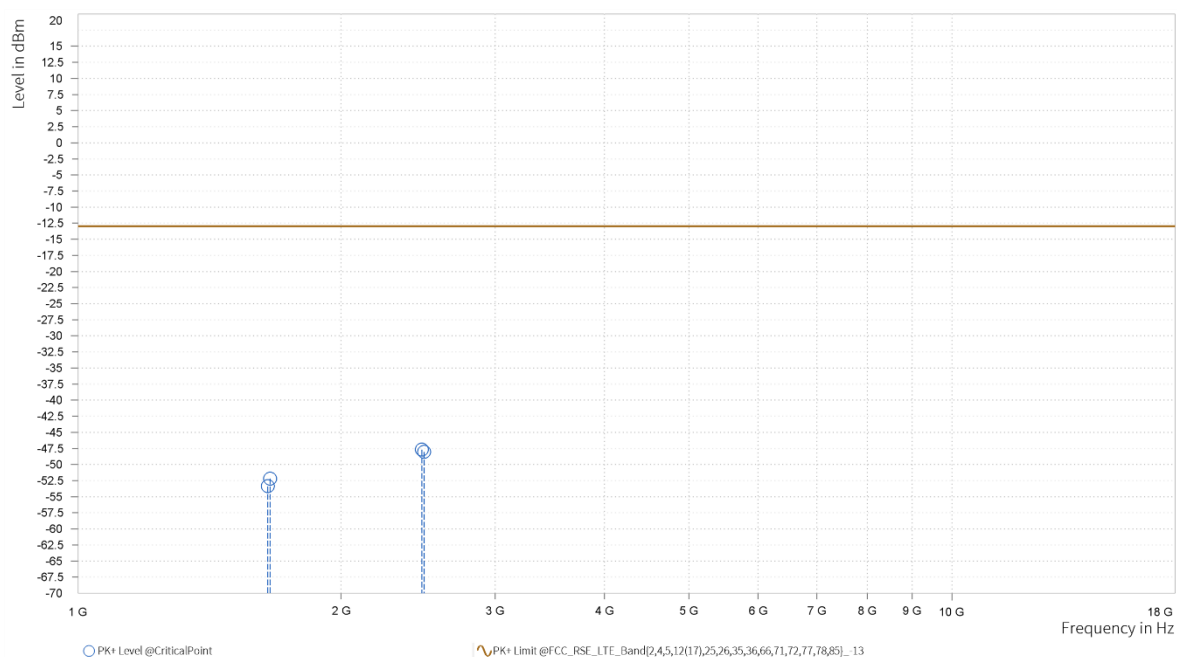




CHANNEL BANDWIDTH	5MHz+10MHz / QPSK	MODE	TX channel PCC 20450
			TX channel SCC 20522
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.100	-53.38	-13.00	40.38	18.12	V	359	2.00
2	1,659.000	-52.19	-13.00	39.19	18.87	V	359	2.00
3	2,473.650	-47.70	-13.00	34.70	24.09	V	150.1	1.00
3	2,488.500	-48.05	-13.00	35.05	23.58	V	0.9	2.00

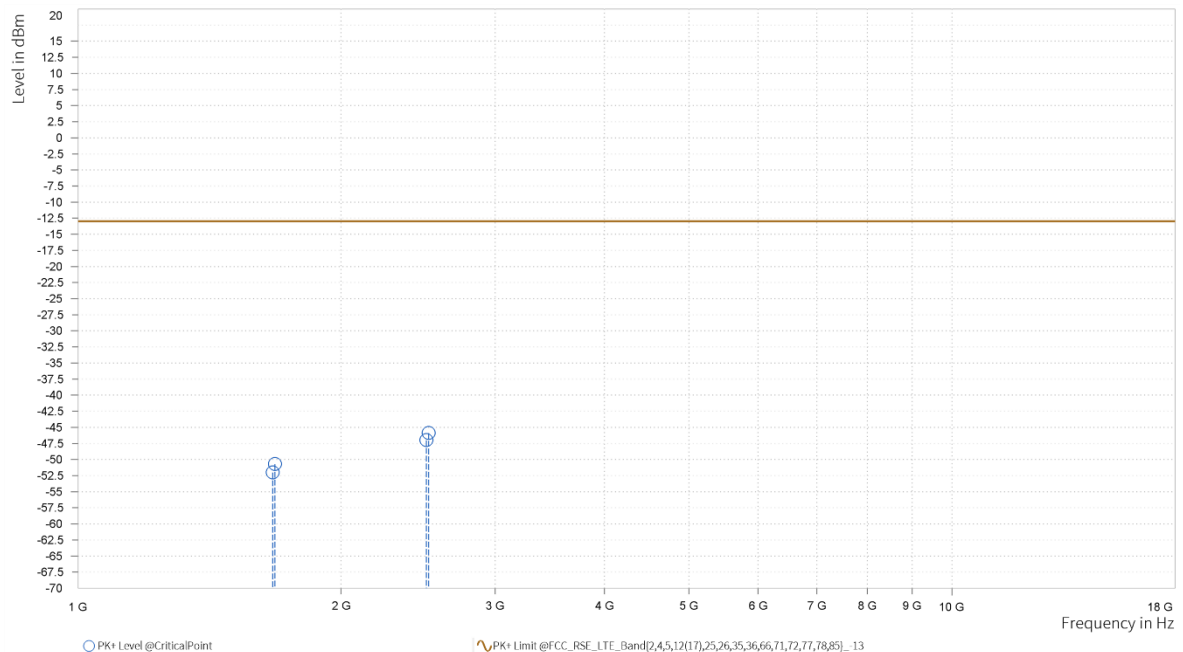




CHANNEL BANDWIDTH	5MHz+10MHz / QPSK	MODE	TX channel PCC 20500
			TX channel SCC 20572
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,669.100	-52.02	-13.00	39.02	19.73	H	286.4	2.00
2	1,679.000	-50.69	-13.00	37.69	20.17	H	359	2.00
3	2,503.650	-46.99	-13.00	33.99	23.84	H	0.9	2.00
3	2,518.500	-45.89	-13.00	32.89	24.47	H	0.9	2.00

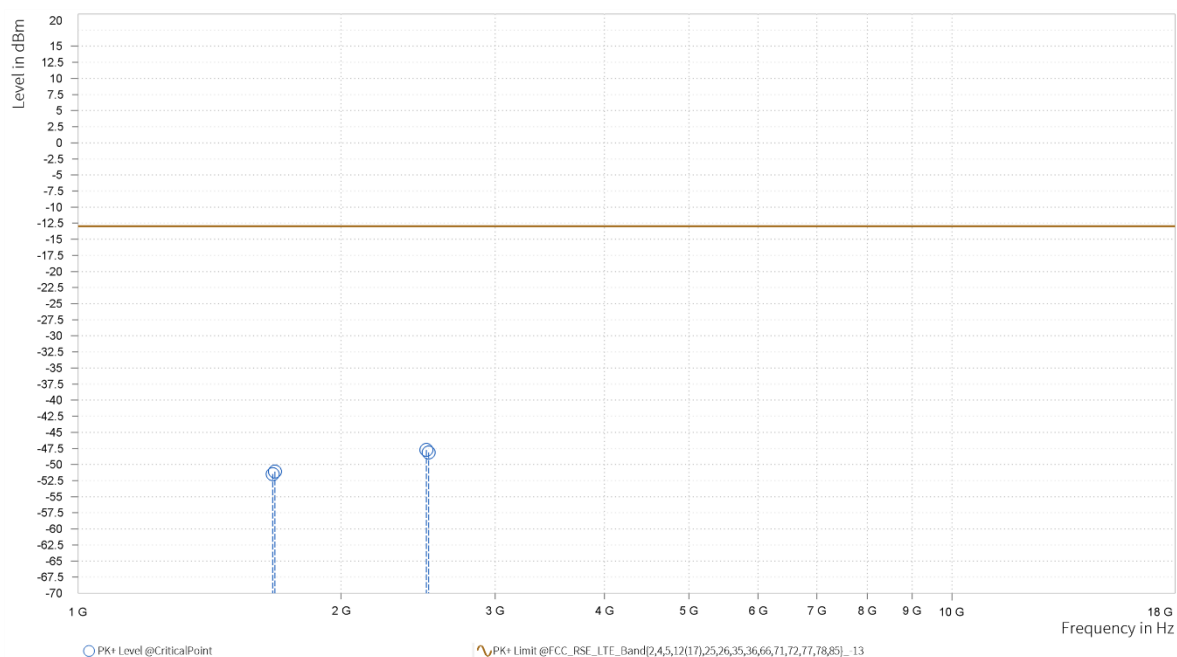




CHANNEL BANDWIDTH	5MHz+10MHz / QPSK	MODE	TX channel PCC 20500
			TX channel SCC 20572
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,669.100	-51.49	-13.00	38.49	19.47	V	359	1.00
2	1,679.000	-51.11	-13.00	38.11	20.07	V	359	1.00
3	2,503.650	-47.75	-13.00	34.75	23.48	V	0.9	2.00
3	2,518.500	-48.13	-13.00	35.13	24.17	V	150.1	1.00

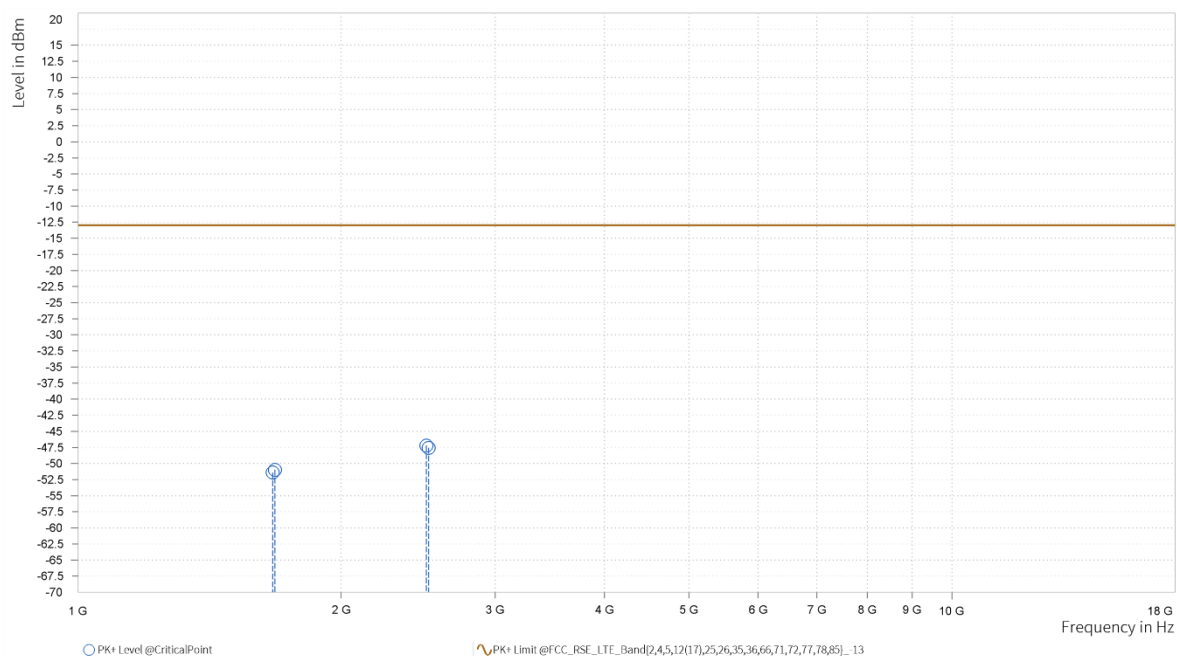




<b>CHANNEL BANDWIDTH</b>	5MHz+10MHz / QPSK	<b>MODE</b>	TX channel PCC 20550
			TX channel SCC 20622
<b>FREQUENCY RANGE</b>	Above 1000MHz	<b>ENVIRONMENTAL CONDITIONS</b>	23deg. C, 70%RH
<b>INPUT POWER</b>	120Vac 60HZ	<b>TESTED BY</b>	Hanwen Xu

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,669.100	-51.41	-13.00	38.41	19.73	H	74.8	1.00
2	1,679.000	-50.97	-13.00	37.97	20.17	H	359	2.00
3	2,503.650	-47.20	-13.00	34.20	23.84	H	215.8	2.00
3	2,518.500	-47.56	-13.00	34.56	24.47	H	215.8	2.00

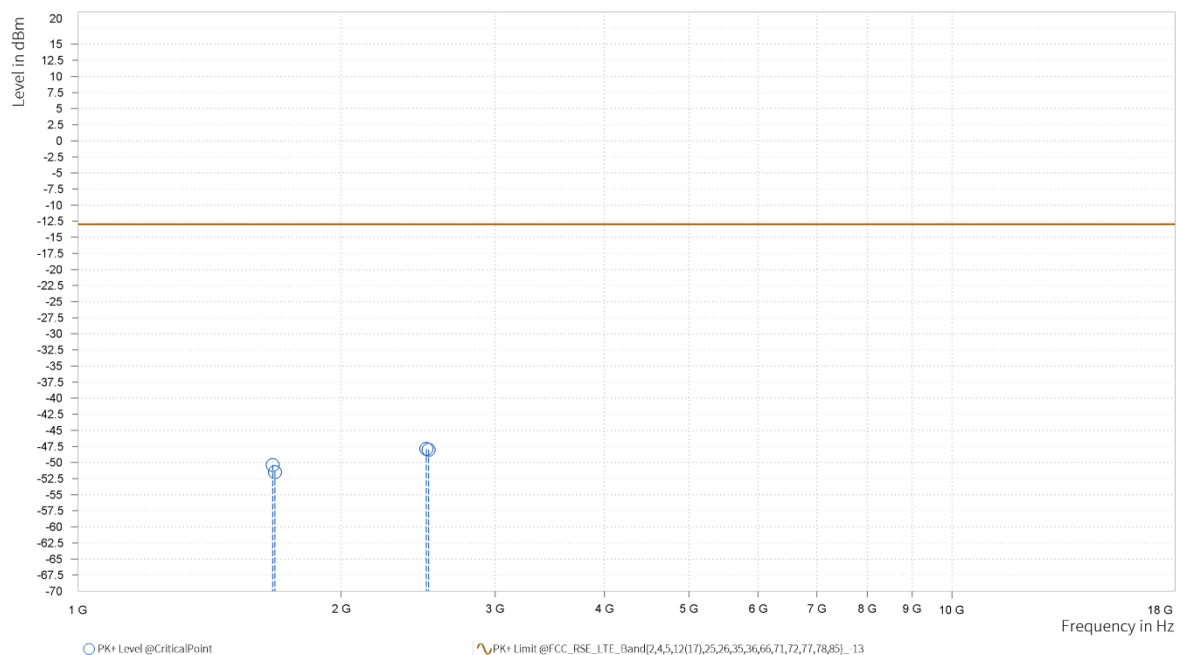




CHANNEL BANDWIDTH	5MHz+10MHz / QPSK	MODE	TX channel PCC 20550
			TX channel SCC 20622
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,669.100	-50.37	-13.00	37.37	19.47	V	287.6	2.00
2	1,679.000	-51.49	-13.00	38.49	20.07	V	287.6	2.00
3	2,503.650	-47.90	-13.00	34.90	23.48	V	217.1	2.00
3	2,518.500	-48.02	-13.00	35.02	24.17	V	359	2.00

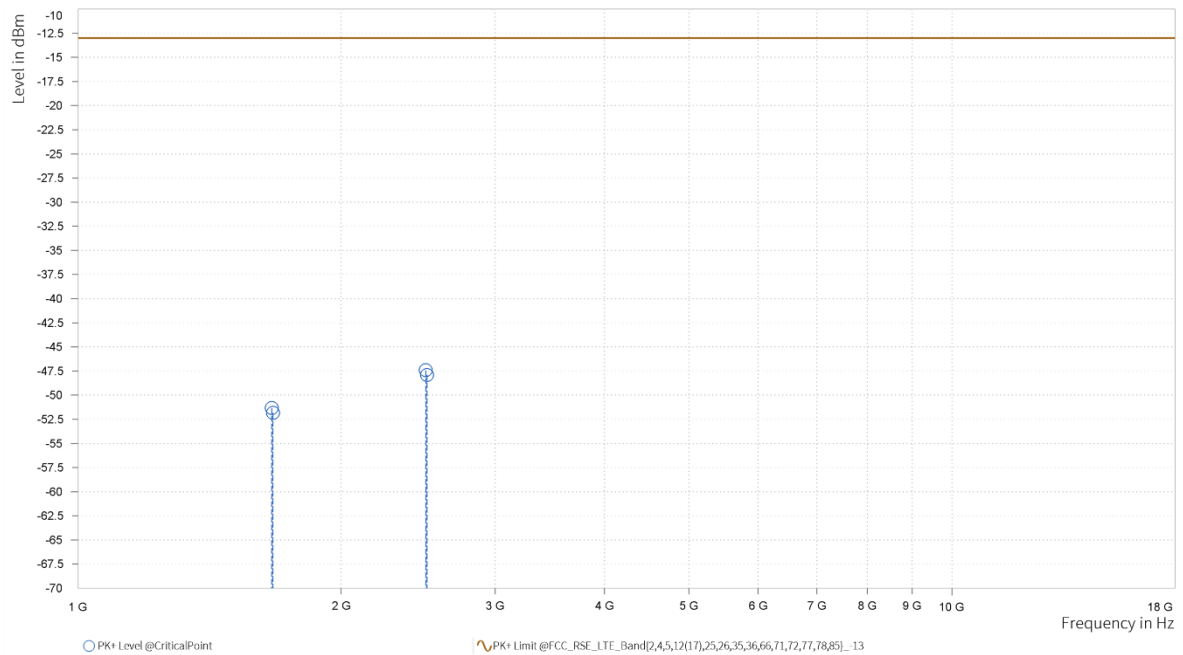




CHANNEL BANDWIDTH	3MHz+5MHz / QPSK	MODE	TX channel PCC 20501
			TX channel SCC 20540
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,665.500	-51.33	-13.00	38.33	19.58	H	359.1	1.00
2	1,671.500	-51.84	-13.00	38.84	19.83	H	359	2.00
3	2,498.250	-47.42	-13.00	34.42	23.86	H	1	2.00
3	2,507.250	-47.91	-13.00	34.91	23.82	H	141.8	1.00



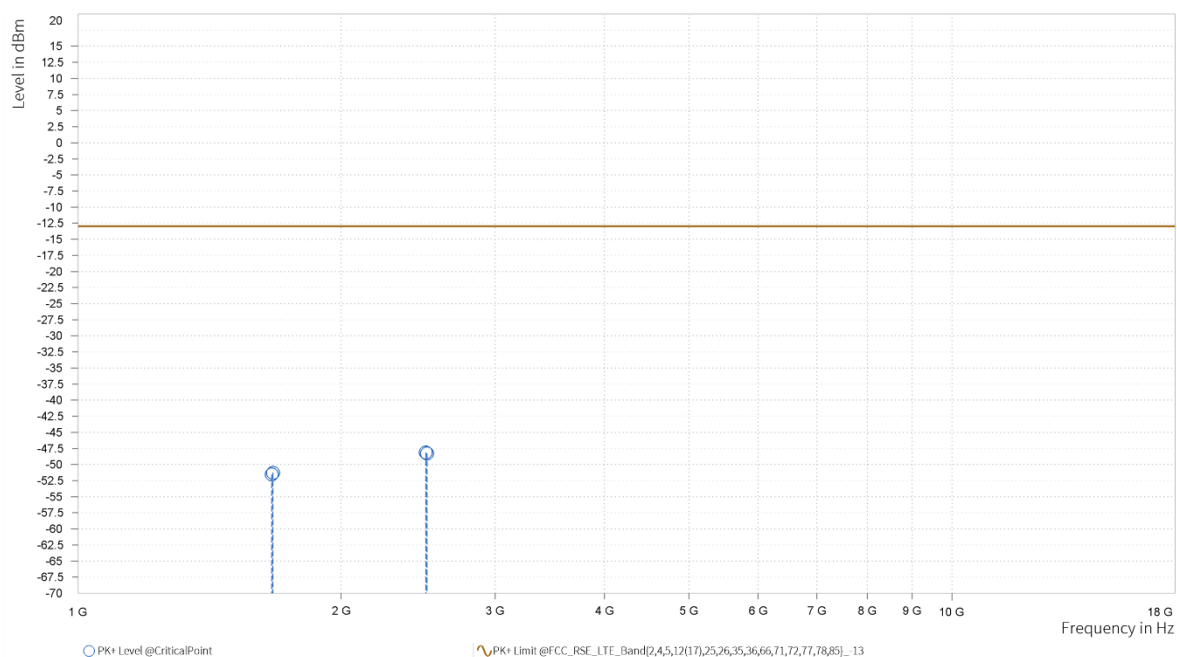




CHANNEL BANDWIDTH	3MHz+5MHz / QPSK	MODE	TX channel PCC 20501
			TX channel SCC 20540
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,665.500	-51.56	-13.00	38.56	19.27	V	359.1	1.00
2	1,671.500	-51.28	-13.00	38.28	19.62	V	0.9	2.00
3	2,498.250	-48.12	-13.00	35.12	23.48	V	0.9	2.00
3	2,507.250	-48.26	-13.00	35.26	23.47	V	359.1	1.00

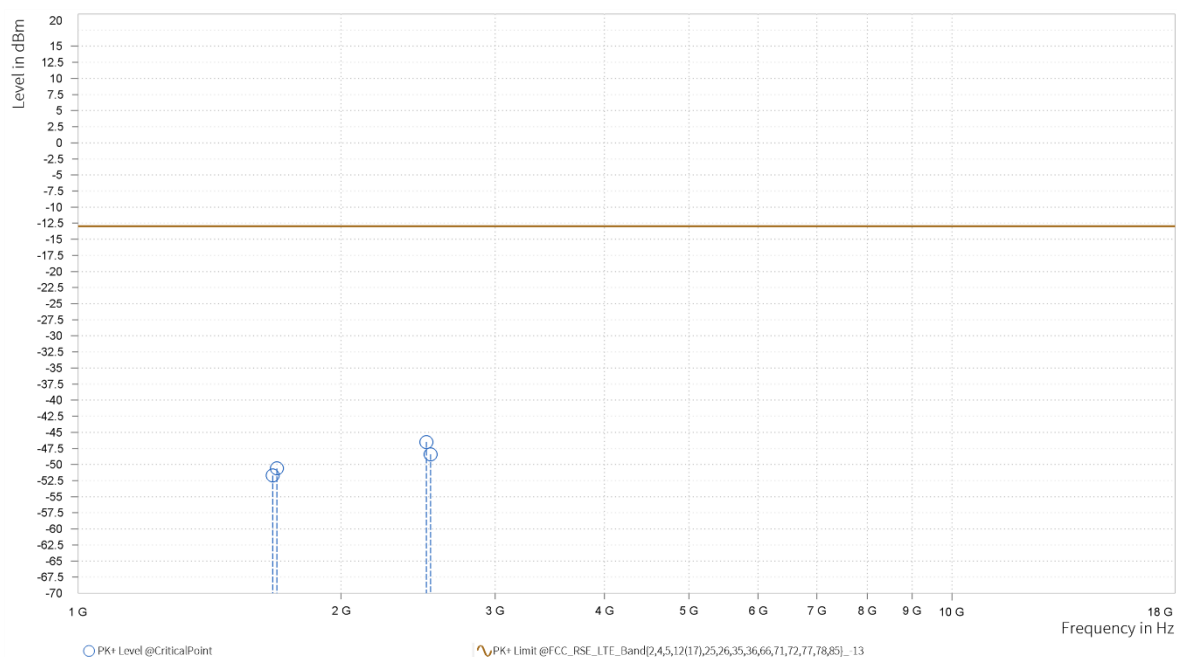




CHANNEL BANDWIDTH	10MHz+5MHz / QPSK	MODE	TX channel PCC 20500
			TX channel SCC 20572
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,669.000	-51.71	-13.00	38.71	19.73	H	359.1	1.00
2	1,687.900	-50.59	-13.00	37.59	20.30	H	359.1	1.00
3	2,503.500	-46.50	-13.00	33.50	23.84	H	211.1	2.00
3	2,531.850	-48.43	-13.00	35.43	23.60	H	359.1	1.00

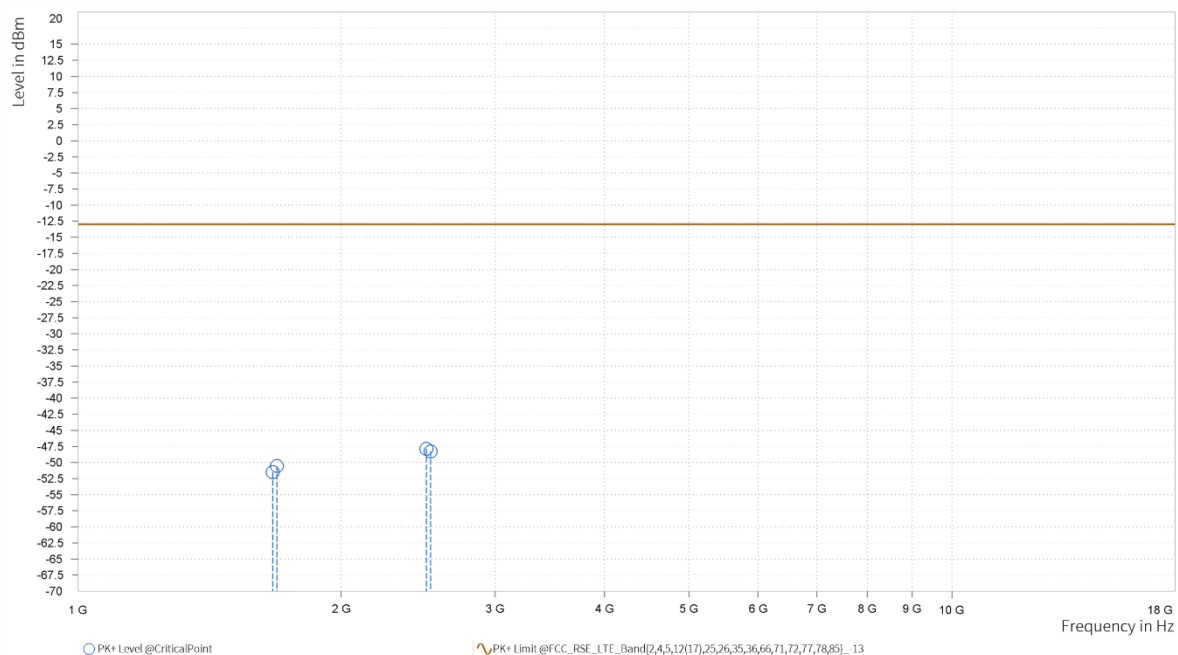




CHANNEL BANDWIDTH	10MHz+5MHz / QPSK	MODE	TX channel PCC 20500
			TX channel SCC 20572
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,669.000	-51.52	-13.00	38.52	19.47	V	1	1.00
2	1,687.900	-50.56	-13.00	37.56	20.35	V	0.9	2.00
3	2,503.500	-47.86	-13.00	34.86	23.48	V	359.1	1.00
3	2,531.850	-48.25	-13.00	35.25	23.34	V	359	2.00

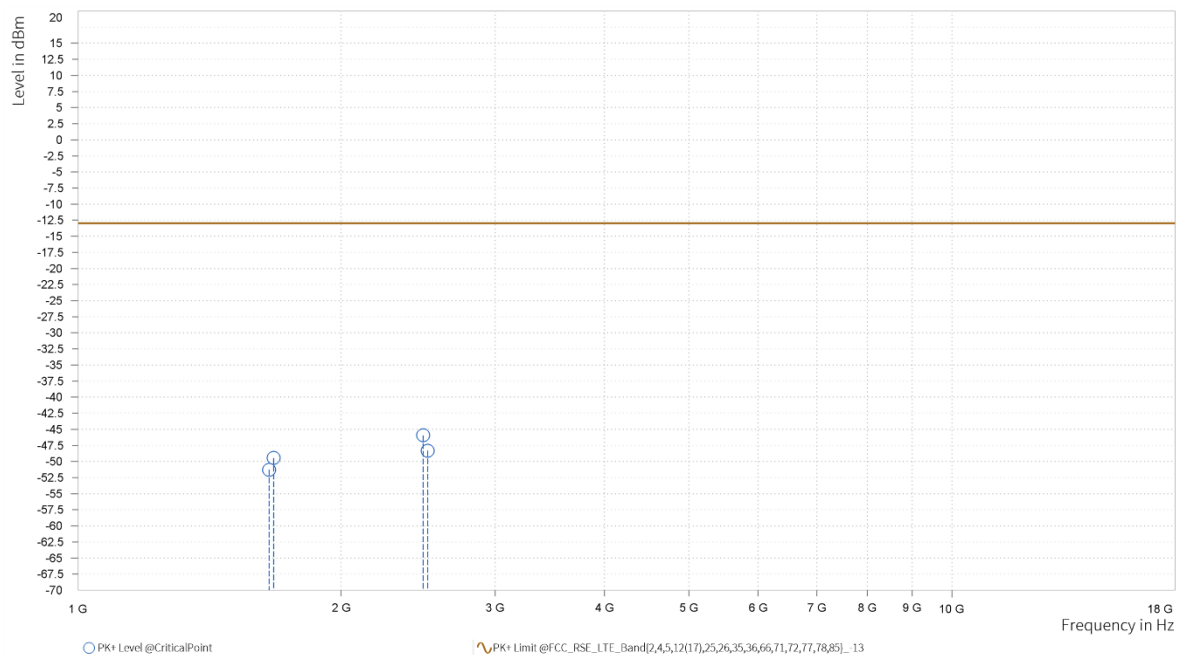




CHANNEL BANDWIDTH	10MHz+10MHz / QPSK	MODE	TX channel PCC 20476
			TX channel SCC 20575
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,654.200	-51.27	-13.00	38.27	18.96	H	359.1	1.00
2	1,674.000	-49.45	-13.00	36.45	19.95	H	73.6	1.00
3	2,481.300	-45.94	-13.00	32.94	24.28	H	359.1	1.00
3	2,511.000	-48.33	-13.00	35.33	23.88	H	1	2.00

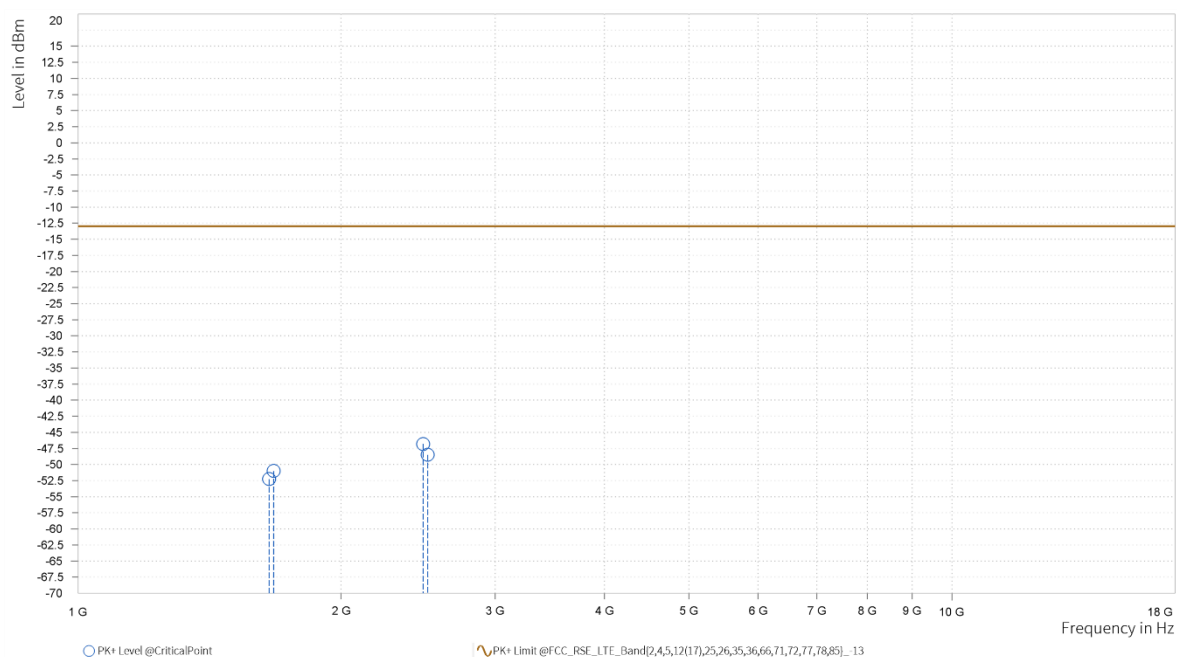




CHANNEL BANDWIDTH	10MHz+10MHz / QPSK	MODE	TX channel PCC 20476
			TX channel SCC 20575
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,654.300	-52.27	-13.00	39.27	18.49	V	74.8	1.00
2	1,674.000	-51.00	-13.00	38.00	19.77	V	1	1.00
3	2,481.300	-46.80	-13.00	33.80	23.95	V	213.5	2.00
3	2,511.000	-48.50	-13.00	35.50	23.55	V	359	2.00



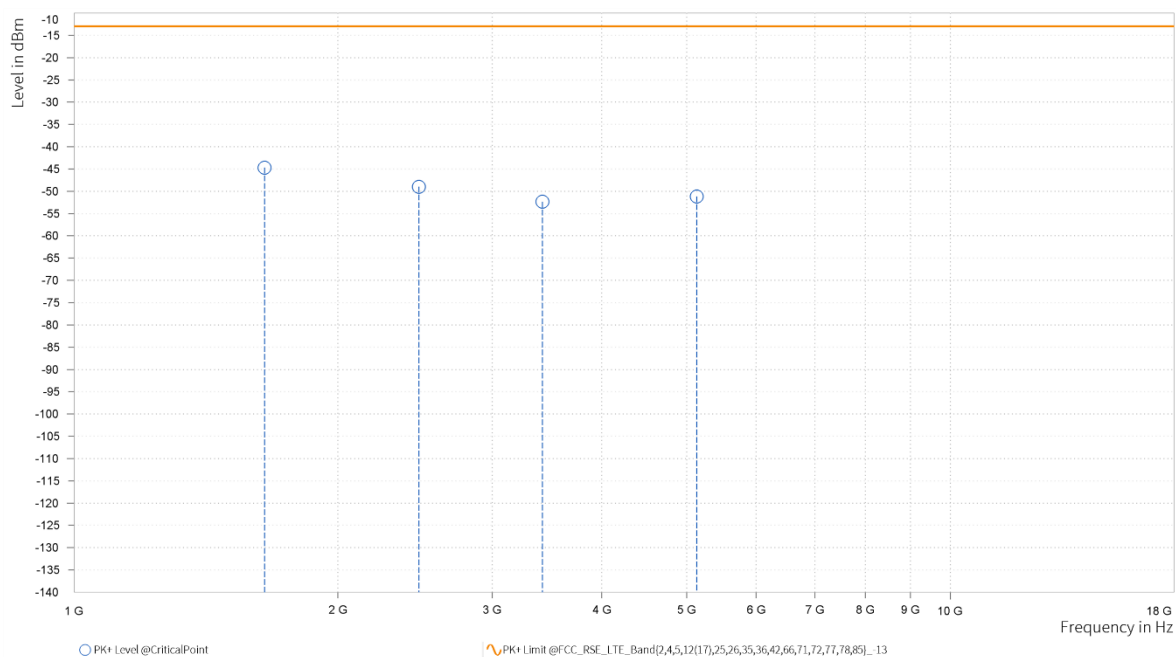


CA\_4A\_5A

CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 200050/20450
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.000	-44.70	-13.00	31.70	24.43	H	113.8	2.00
3	2,473.500	-49.00	-13.00	36.00	20.30	H	252.6	1.00
4	3,422.000	-52.35	-13.00	39.35	20.52	H	93.4	1.00
4	5,133.000	-51.15	-13.00	38.15	23.57	H	99.7	2.00

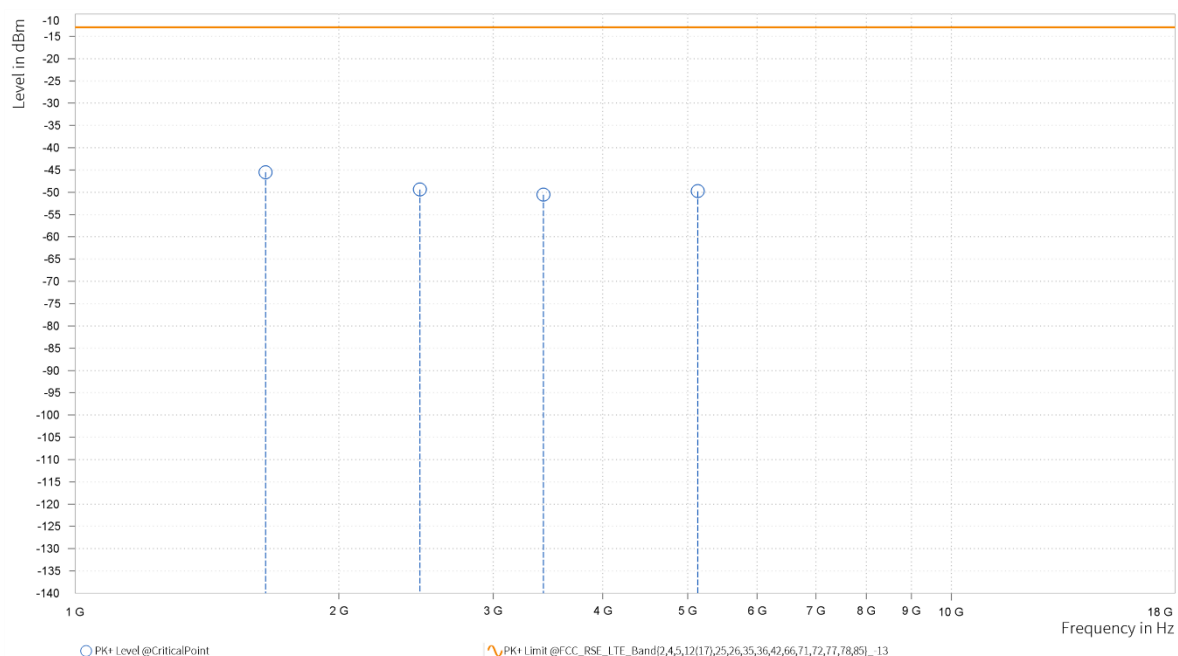




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 200050/20450
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.000	-45.49	-13.00	32.49	23.98	V	181.8	1.00
3	2,473.500	-49.38	-13.00	36.38	20.55	V	189.5	1.00
4	3,422.000	-50.56	-13.00	37.56	20.87	V	197.4	1.00
4	5,133.000	-49.74	-13.00	36.74	23.88	V	162.6	2.00

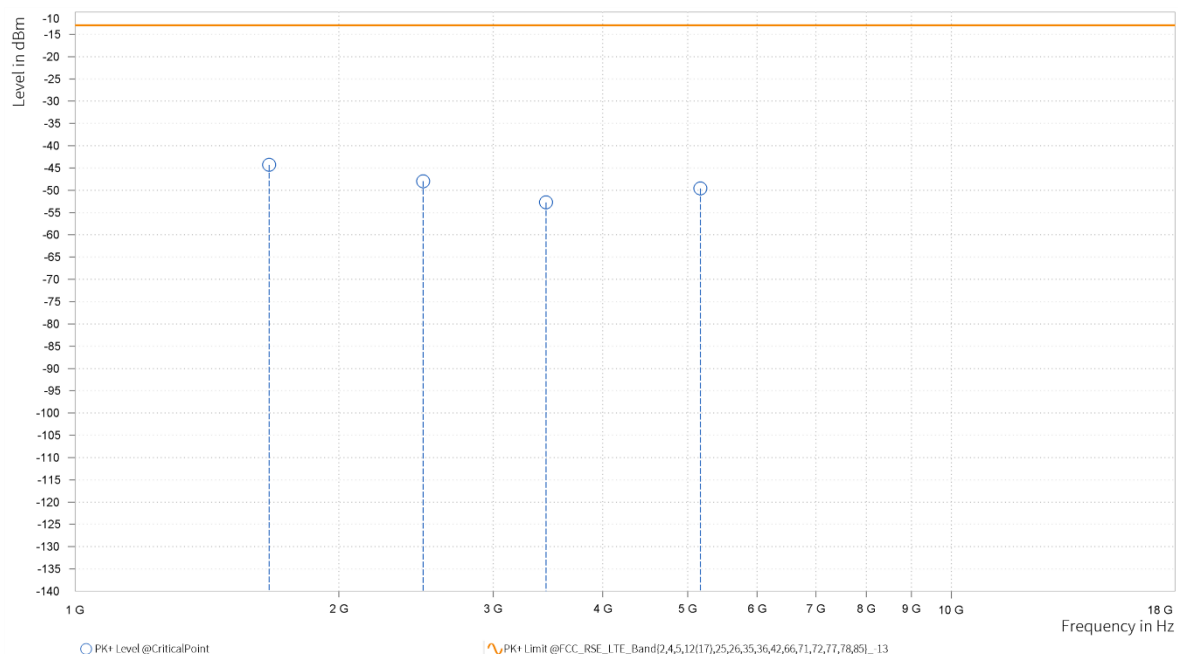




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 20175/20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-44.30	-13.00	31.30	24.99	H	359	2.00
3	2,496.000	-47.95	-13.00	34.95	20.76	H	63.6	1.00
4	3,447.000	-52.70	-13.00	39.70	20.34	H	359	2.00
4	5,170.500	-49.61	-13.00	36.61	23.73	H	138.6	2.00



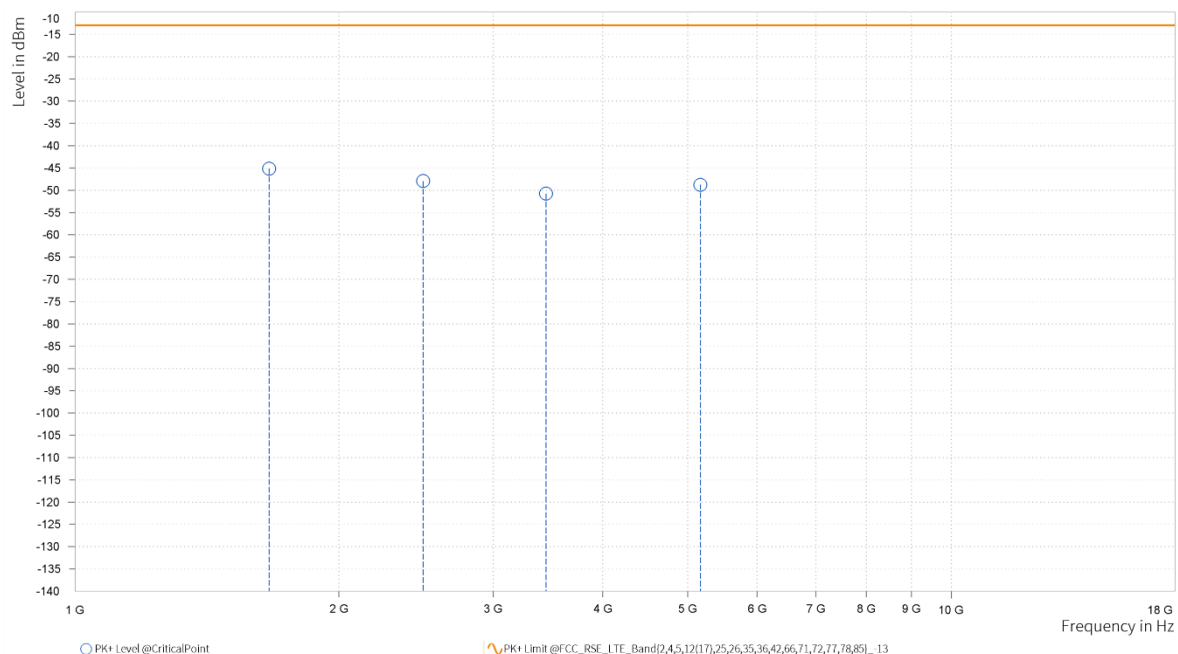




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 20175/20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-45.13	-13.00	32.13	23.87	V	33.1	1.00
3	2,496.000	-47.92	-13.00	34.92	21.03	V	172.5	2.00
4	3,447.000	-50.76	-13.00	37.76	20.91	V	165.4	2.00
4	5,170.500	-48.75	-13.00	35.75	24.10	V	165.4	2.00

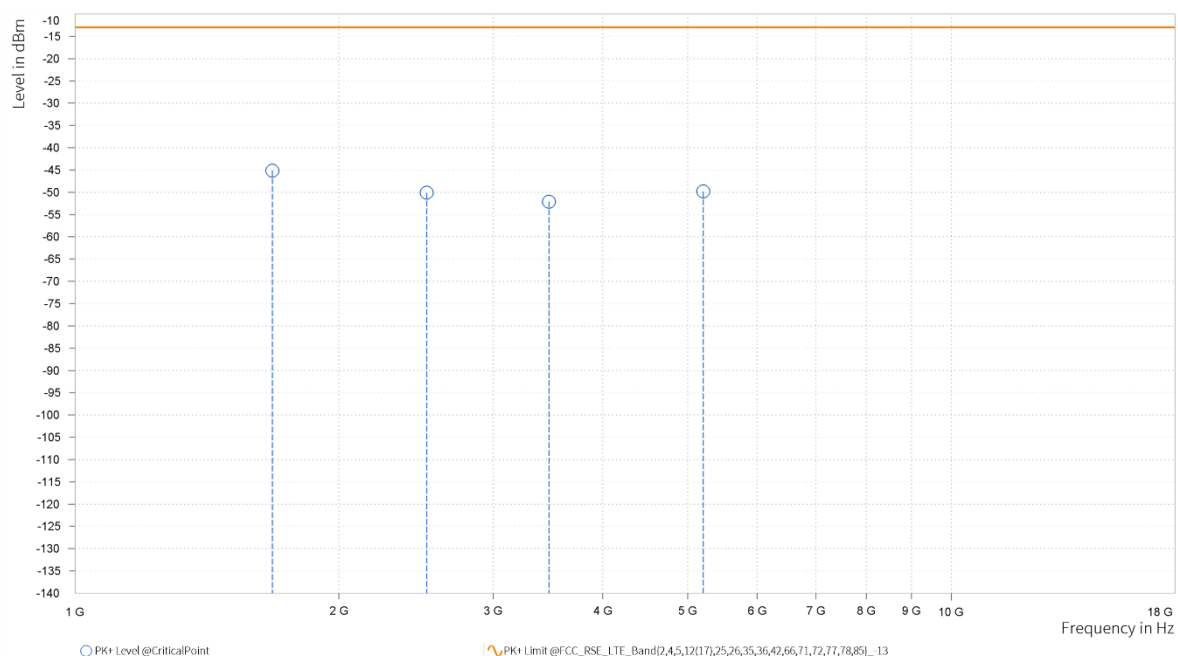




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 20300/20600
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,679.000	-45.13	-13.00	32.13	25.29	H	326	2.00
3	2,518.500	-50.12	-13.00	37.12	20.28	H	324.7	1.00
4	3,472.000	-52.09	-13.00	39.09	20.35	H	260.2	2.00
4	5,208.000	-49.81	-13.00	36.81	23.90	H	1	1.00

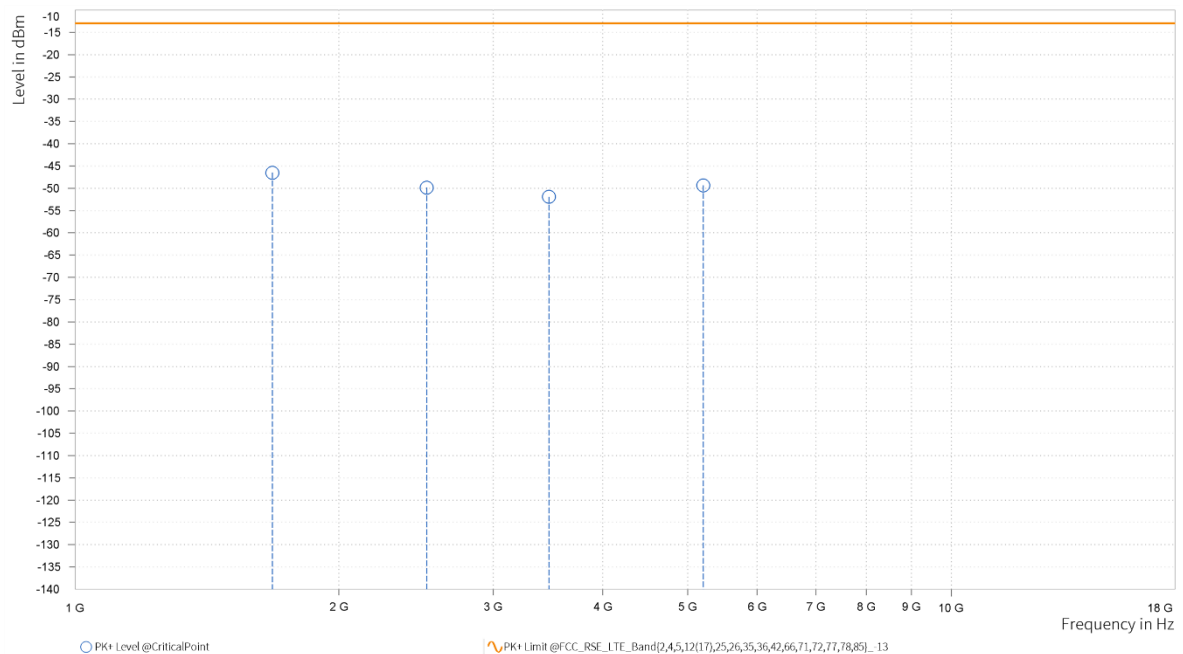




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 20300/20600
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,679.000	-46.51	-13.00	33.51	24.21	V	1	1.00
3	2,518.500	-49.86	-13.00	36.86	21.13	V	253.2	1.00
4	3,472.000	-51.94	-13.00	38.94	21.07	V	359.1	1.00
4	5,208.000	-49.34	-13.00	36.34	24.49	V	92.6	1.00



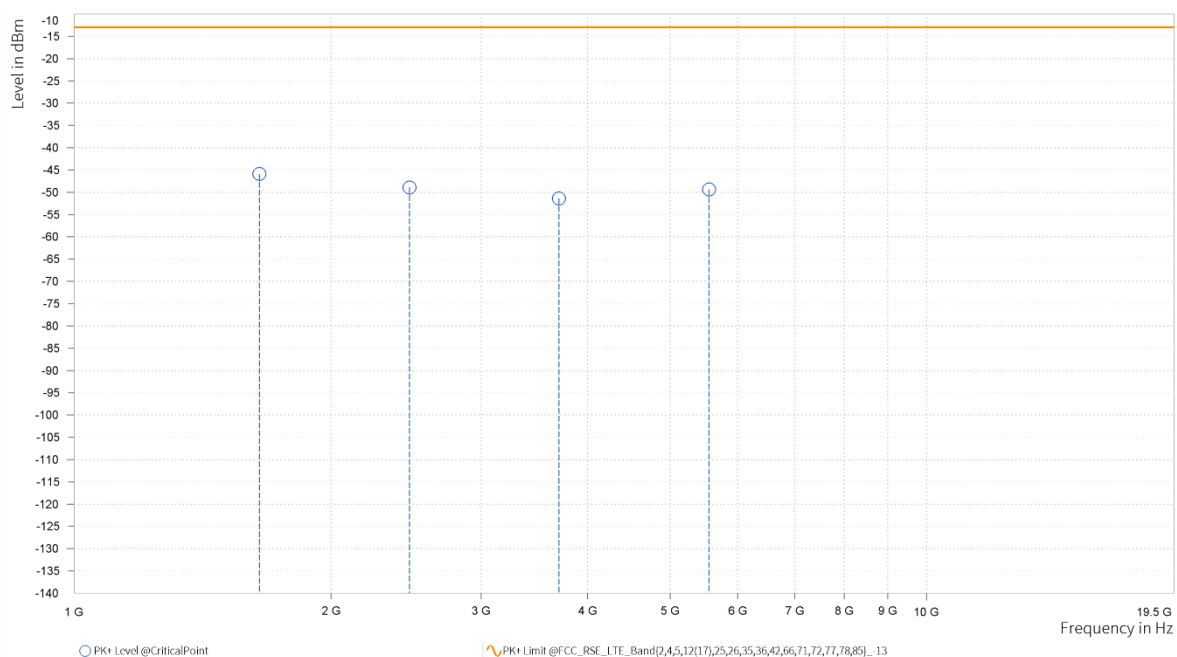


CA\_1A\_5A

CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 18100/20450
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.000	-45.89	-13.00	32.89	24.43	H	315.5	1.00
3	2,473.500	-48.89	-13.00	35.89	20.30	H	63.6	1.00
4	3,702.000	-51.38	-13.00	38.38	21.12	H	266	1.00
4	5,553.000	-49.35	-13.00	36.35	24.26	H	331	1.00

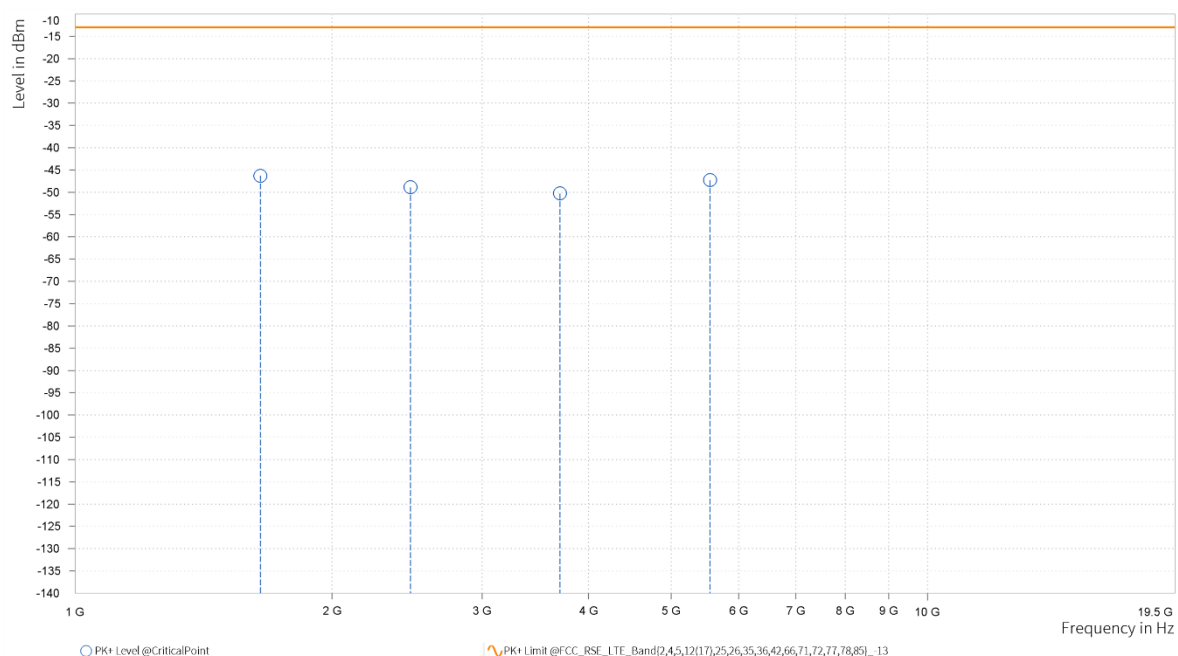




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 18100/20450
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.000	-46.30	-13.00	33.30	23.98	V	359	2.00
3	2,473.500	-48.86	-13.00	35.86	20.55	V	254.7	1.00
4	3,702.000	-50.26	-13.00	37.26	21.72	V	263.2	1.00
4	5,553.000	-47.29	-13.00	34.29	24.96	V	1	1.00

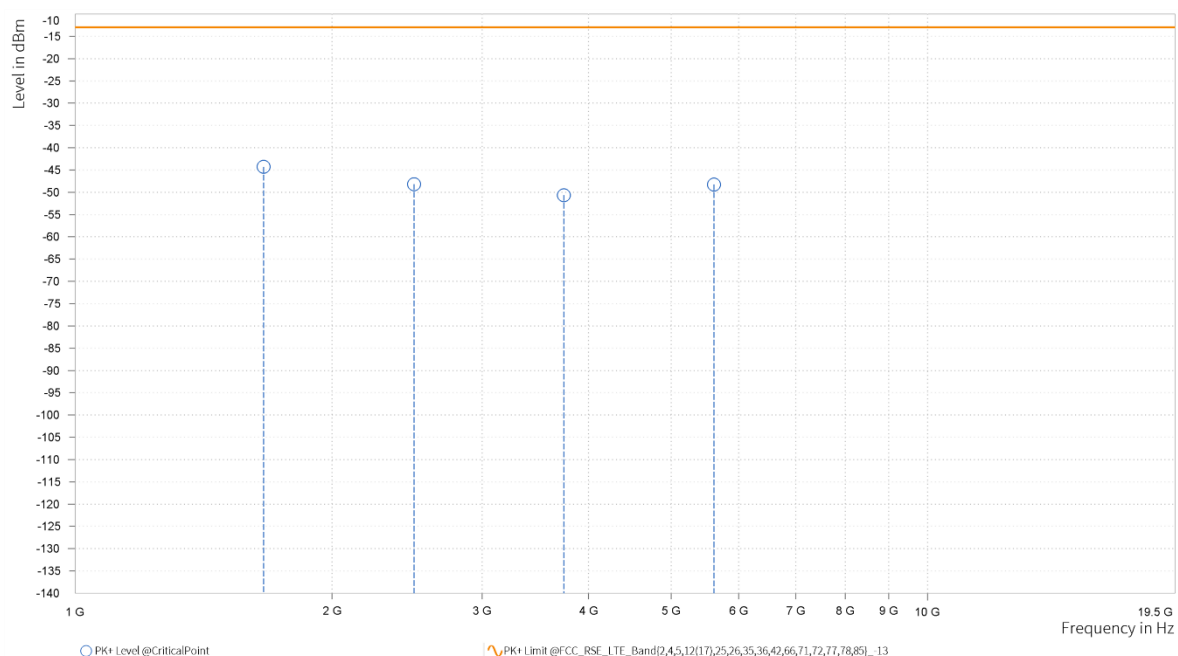




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 18300/20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-44.30	-13.00	31.30	24.99	H	176.7	2.00
3	2,496.000	-48.18	-13.00	35.18	20.76	H	359	1.00
4	3,742.000	-50.65	-13.00	37.65	21.35	H	359	1.00
4	5,613.000	-48.27	-13.00	35.27	24.60	H	266.6	2.00

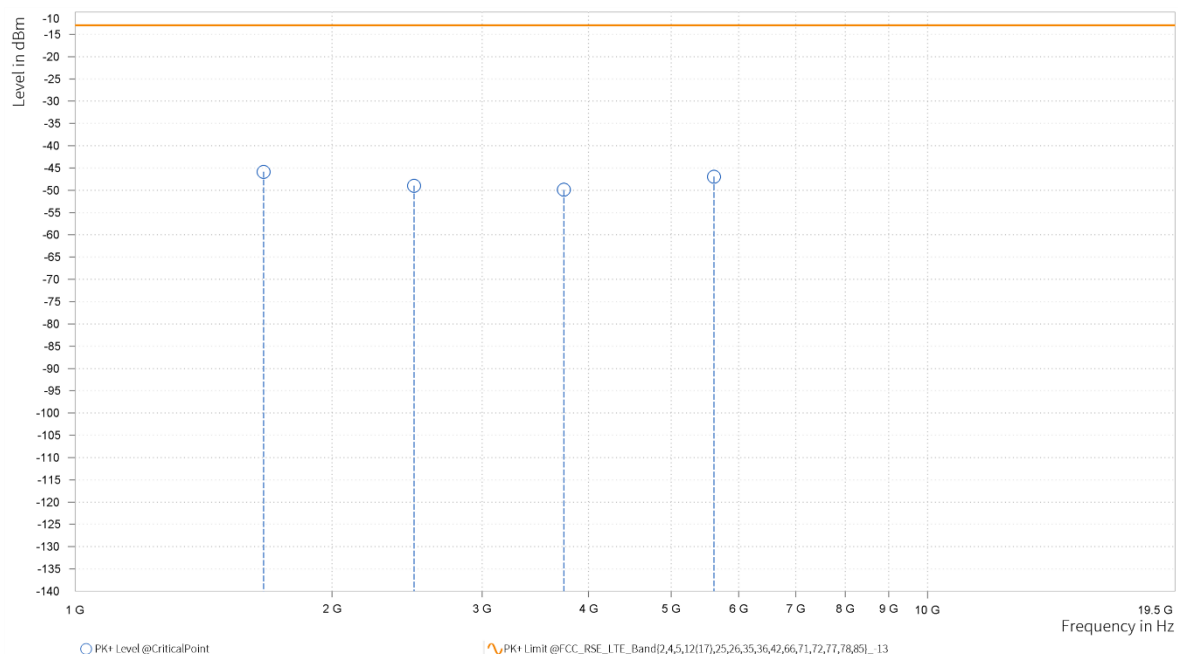




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 18300/20525
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-45.86	-13.00	32.86	23.87	V	103.9	2.00
3	2,496.000	-49.00	-13.00	36.00	21.03	V	359	1.00
4	3,742.000	-49.89	-13.00	36.89	22.00	V	359	2.00
4	5,613.000	-46.97	-13.00	33.97	25.05	V	1	1.00

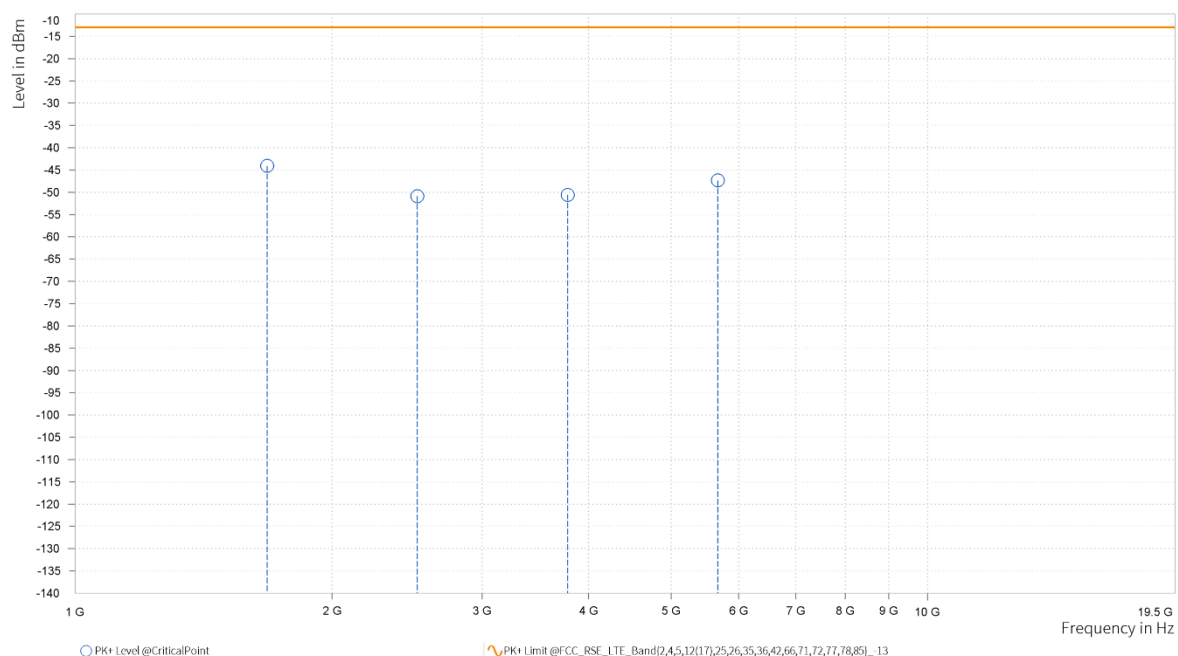




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 18500/20600
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,679.000	-44.07	-13.00	31.07	25.29	H	359	2.00
3	2,518.500	-50.87	-13.00	37.87	20.28	H	256.1	1.00
4	3,782.000	-50.59	-13.00	37.59	22.07	H	329.7	1.00
4	5,673.000	-47.33	-13.00	34.33	24.94	H	263.9	1.00



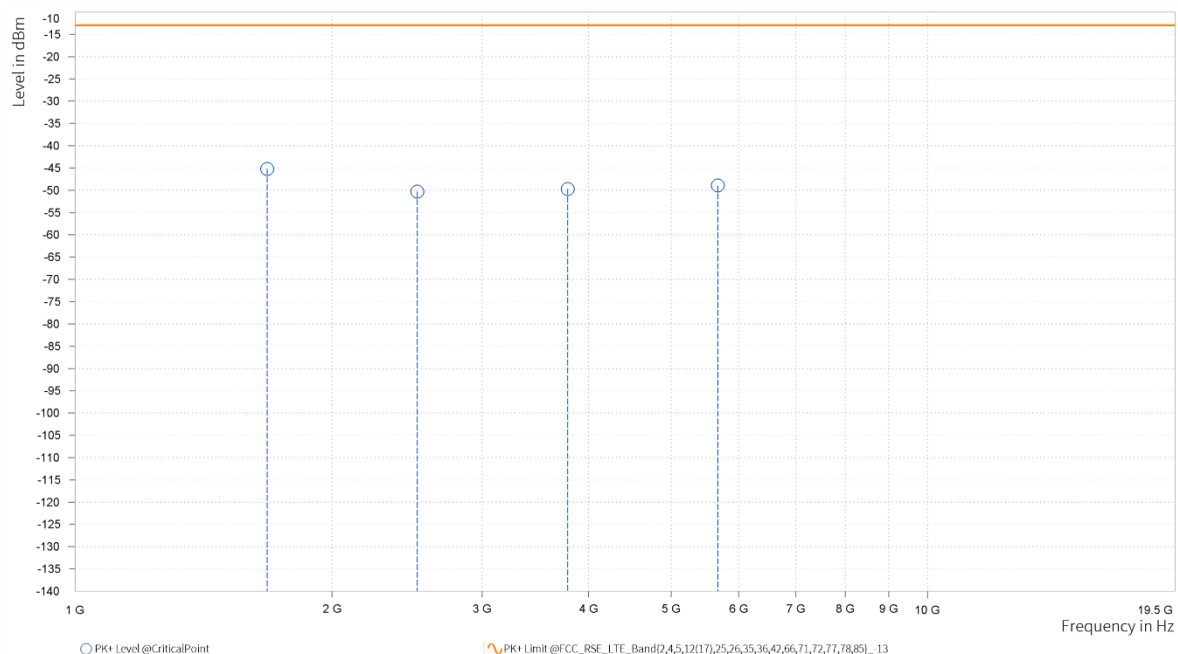




CHANNEL BANDWIDTH	20MHz+10MHz / QPSK	MODE	TX channel 18500/20600
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	120Vac 60HZ	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,679.000	-45.20	-13.00	32.20	24.21	V	34.6	1.00
3	2,518.500	-50.29	-13.00	37.29	21.13	V	295.7	2.00
4	3,782.000	-49.72	-13.00	36.72	22.28	V	28.9	2.00
4	5,673.000	-48.95	-13.00	35.95	25.34	V	93.2	2.00

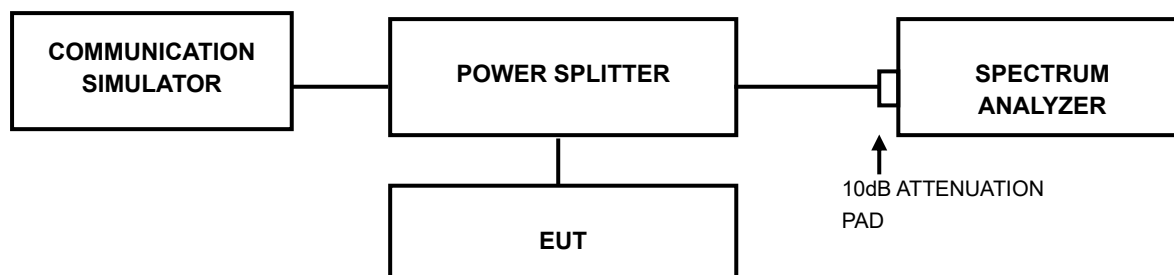


### 3.7 PEAK TO AVERAGE RATIO

#### 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%.



**BUREAU VERITAS** Test Report No.: PSU-NQN2412090110RF01

### 3.7.4 TEST RESULTS

Please Refer to Appendix of this test report.



## **4 PHOTOGRAPHS OF THE TEST CONFIGURATION**

Please refer to the attached file (Test Setup Photo).