



BUREAU
VERITAS

Test Report No.: W7L-P23030003RF06

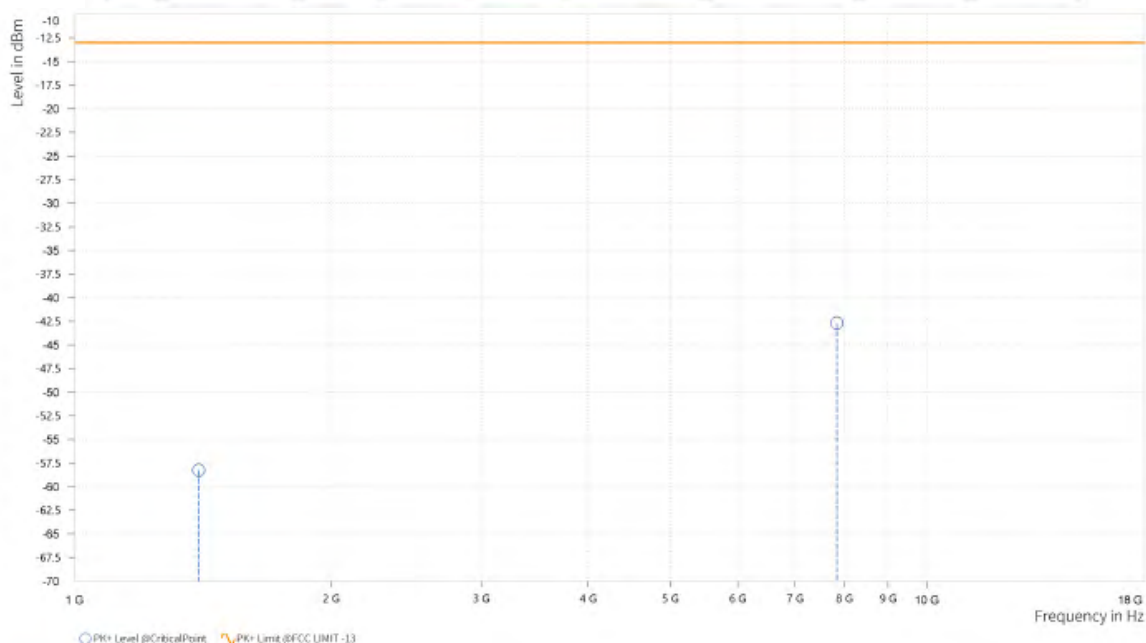
CHANNEL BANDWIDTH: 3MHz / QPSK

CH23025

07-200210

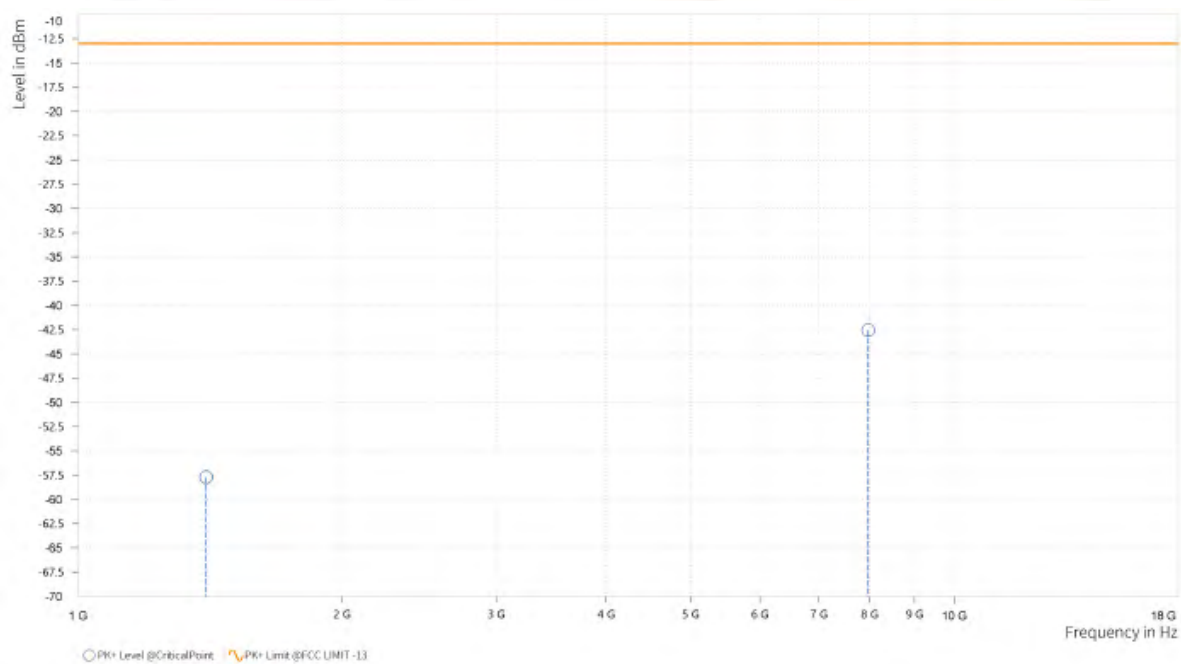
MODE	TX channel 23025	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,398.500	-58.26	-13.00	45.26	12.97	H	359	1
5	7,841.000	-42.69	-13.00	29.69	33.92	H	359	1



MODE	TX channel 23025	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			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,399.500	-57.70	-13.00	44.70	13.05	V	1	1
5	7,974.500	-42.55	-13.00	29.55	34.56	V	276.9	1





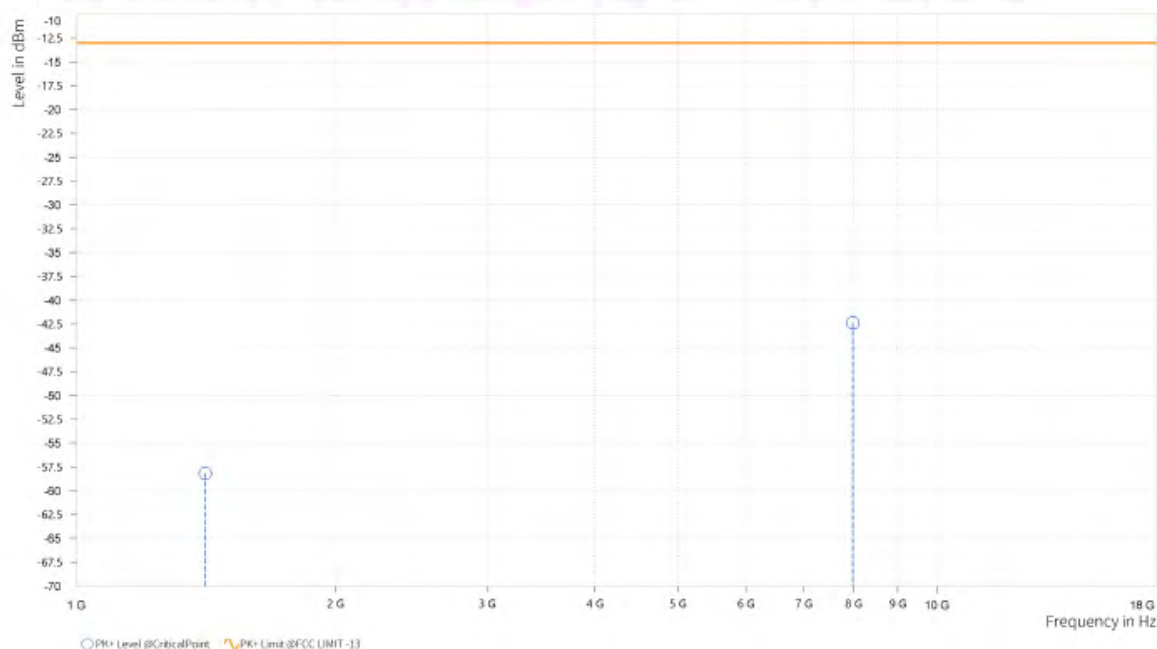
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CH23095

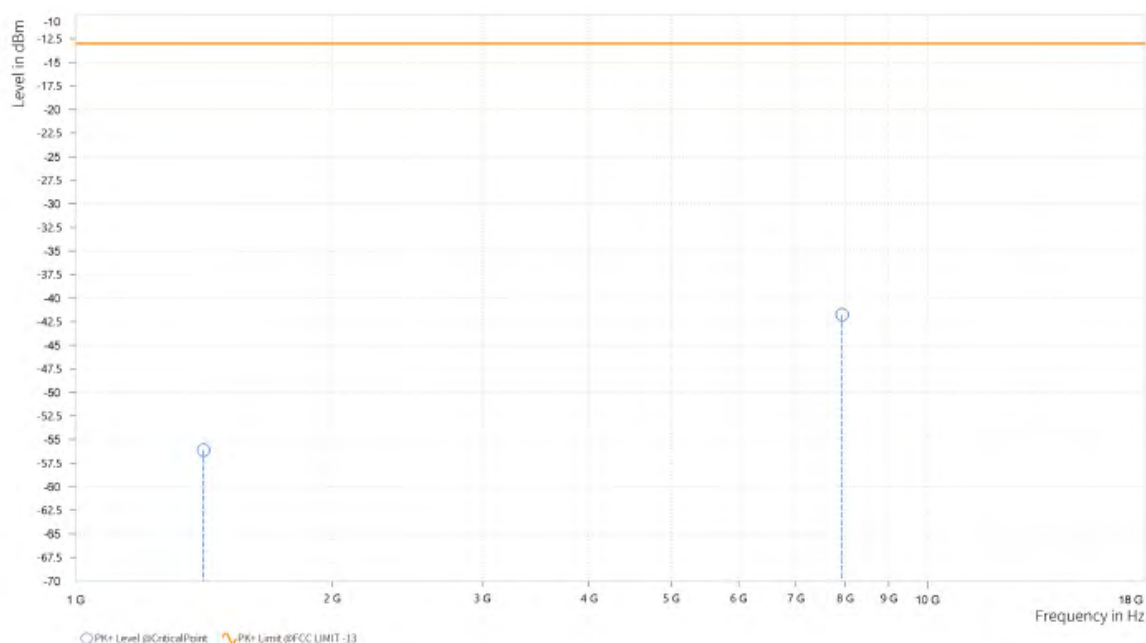
CH23095			
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,412.000	-58.16	-13.00	45.16	13.17	H	295.9	2
5	7,981.000	-42.37	-13.00	29.37	34.32	H	86.7	2



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			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,412.500	-56.13	-13.00	43.13	13.28	V	0.9	2
5	7,935.500	-41.76	-13.00	28.76	34.36	V	359	1





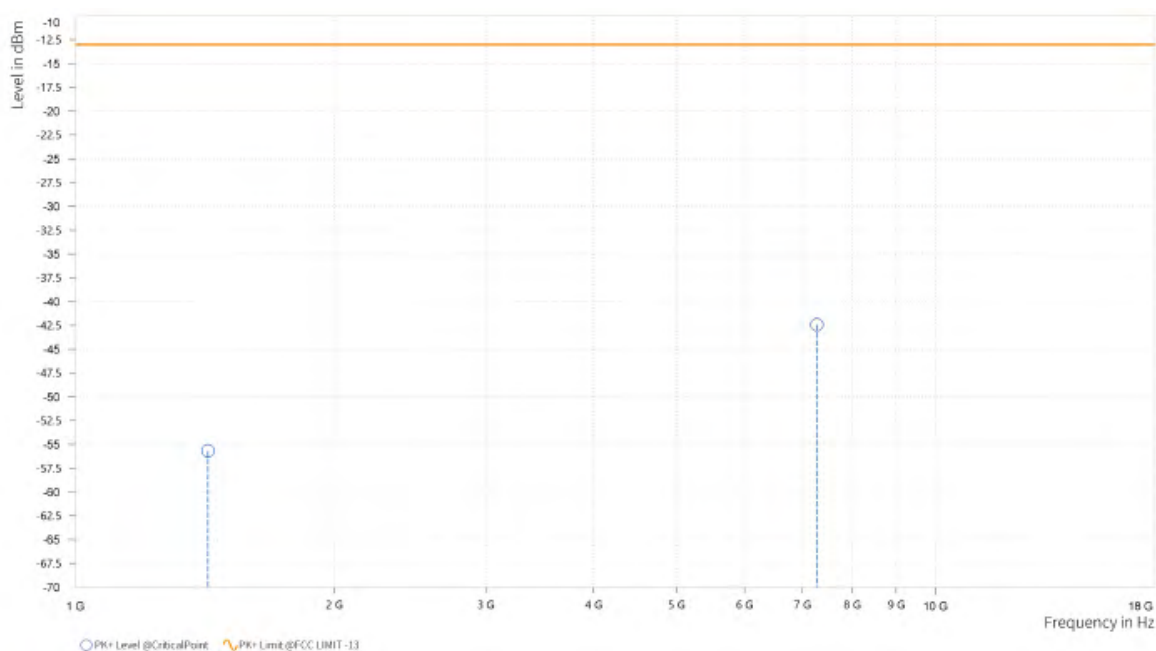
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CH23165

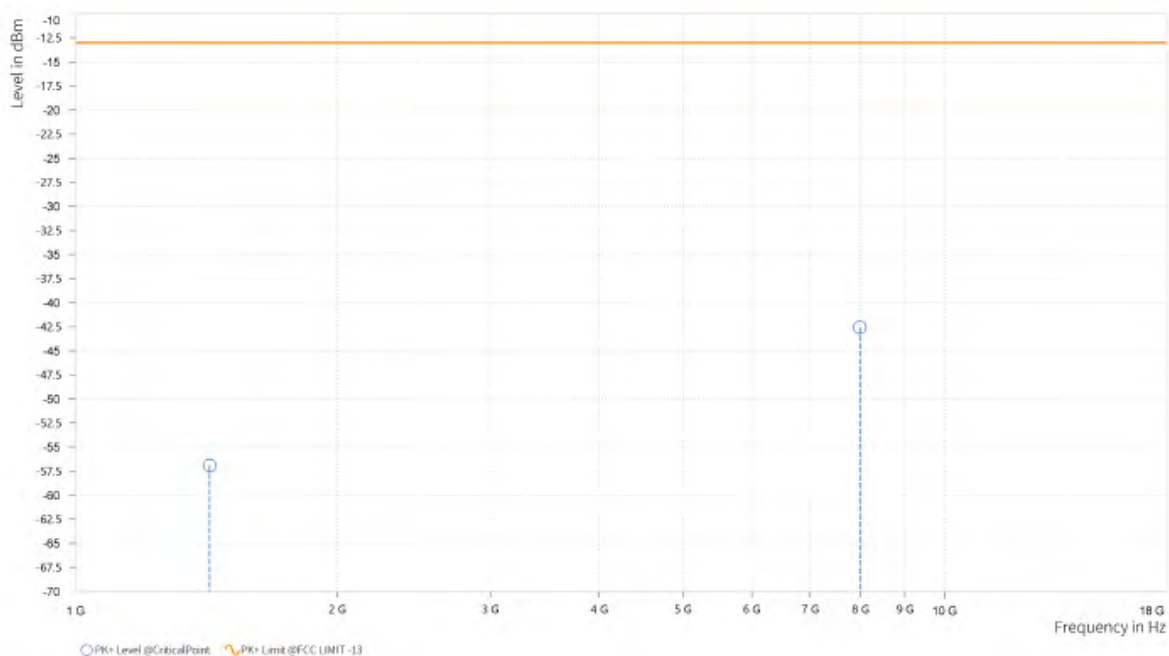
04/25/19			
MODE	TX channel 23165	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,426.500	-55.68	-13.00	42.68	12.28	H	295.8	2
5	7,279.500	-42.43	-13.00	29.43	33.92	H	359	2



MODE	TX channel 23165	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			

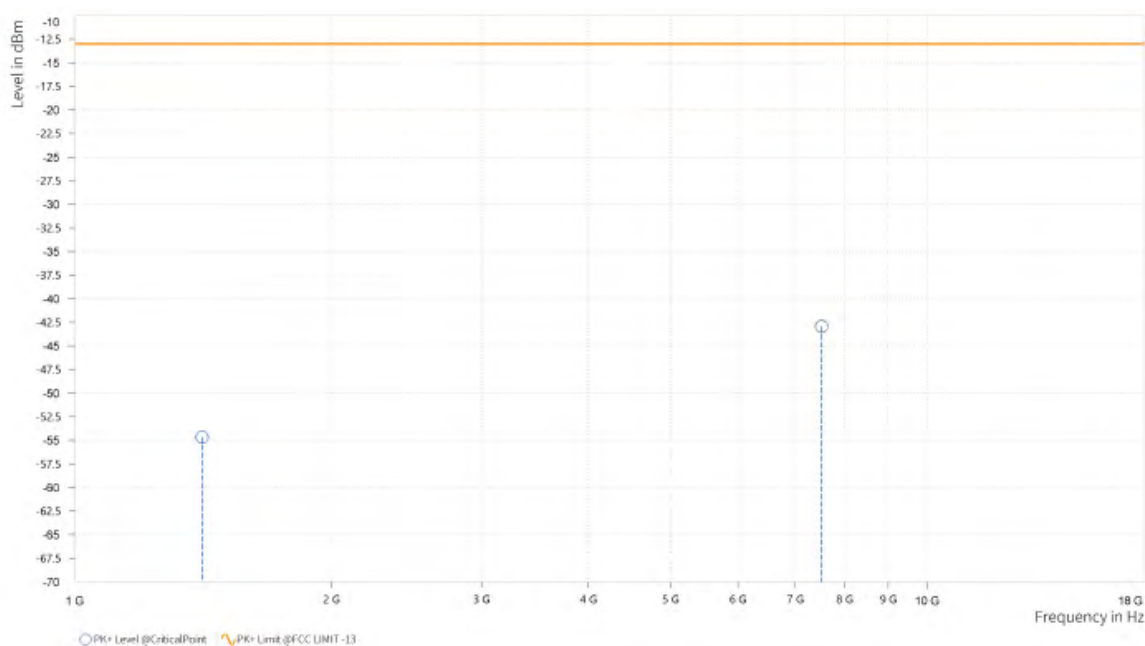
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,426.000	-56.91	-13.00	43.91	12.74	V	294.7	2
5	7,987.000	-42.58	-13.00	29.58	34.62	V	274.5	1



CHANNEL BANDWIDTH: 5MHz / QPSK

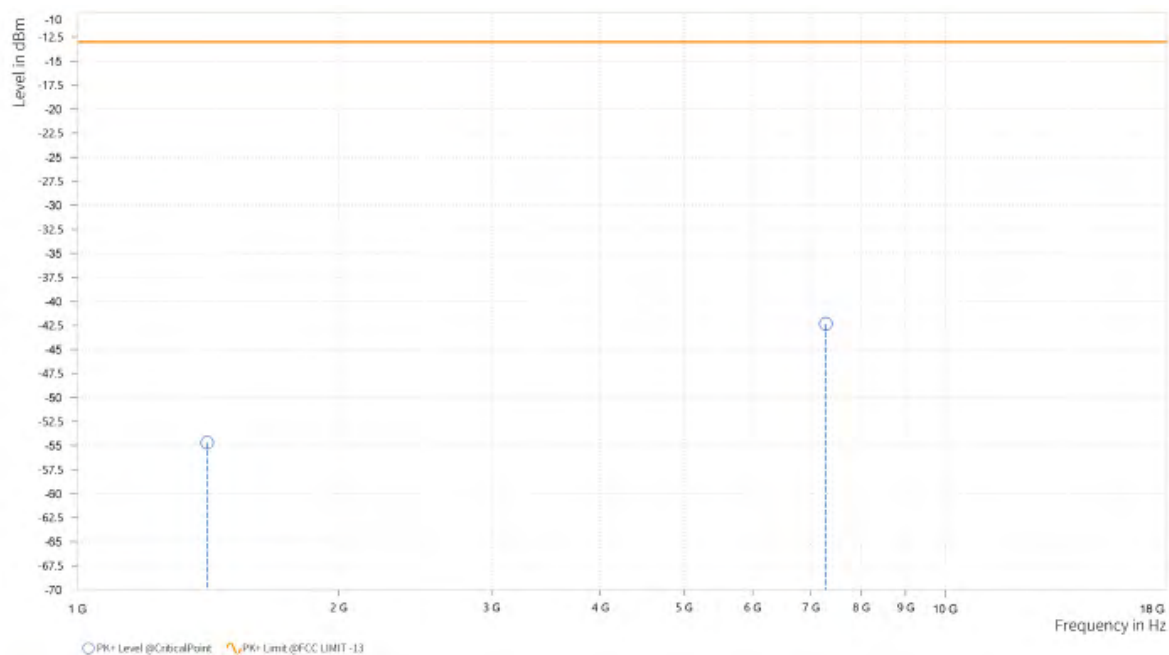
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,410.500	-54.66	-13.00	41.66	13.11	H	65.3	1
5	7,517.000	-42.94	-13.00	29.94	33.52	H	0.9	2



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			

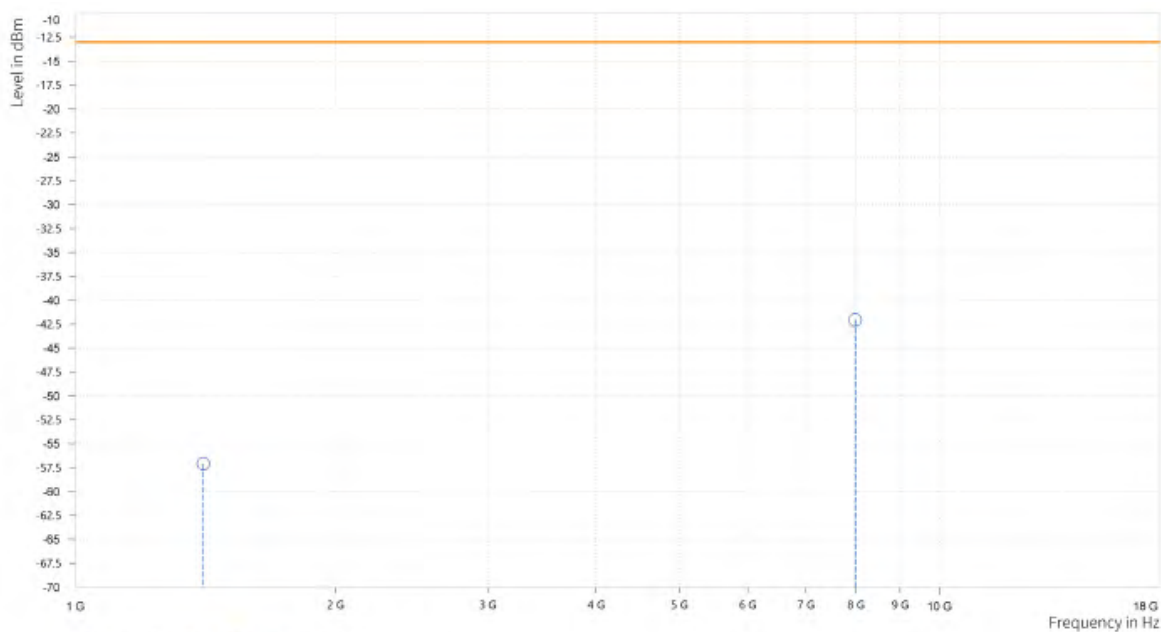
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,410.500	-54.70	-13.00	41.70	13.22	V	359	2
5	7,285.000	-42.34	-13.00	29.34	34.12	V	0.9	2



CHANNEL BANDWIDTH: 10MHz / QPSK

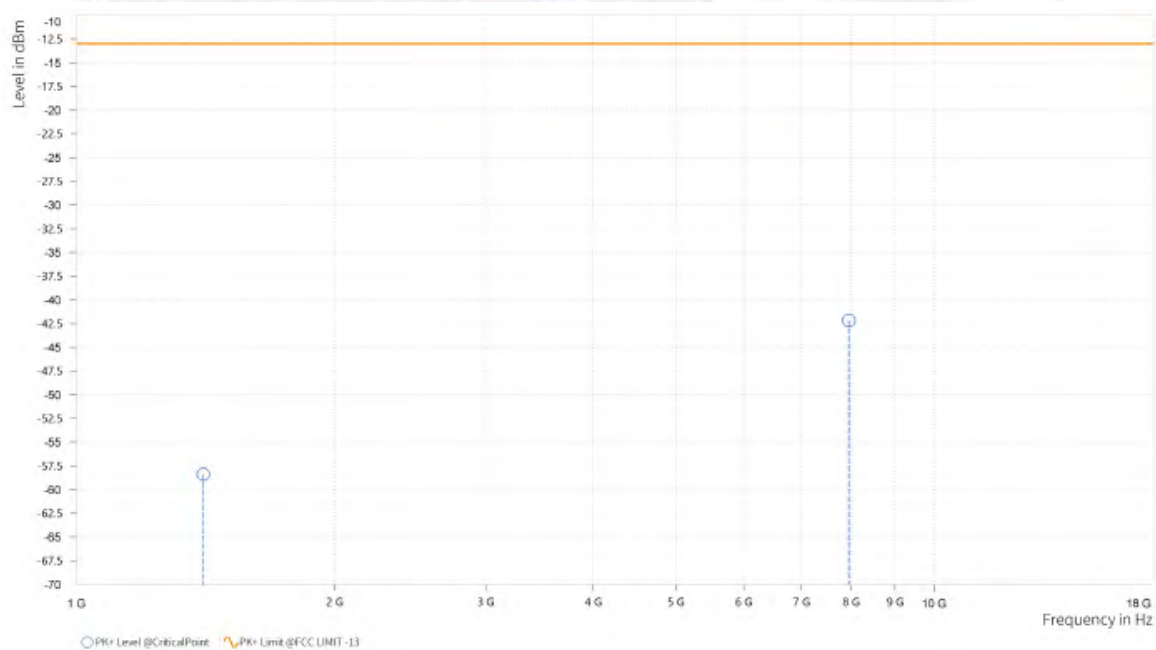
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,406.500	-57.09	-13.00	44.09	12.95	H	295.9	2
5	7,986.500	-42.06	-13.00	29.06	34.37	H	1	1



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			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,406.000	-58.39	-13.00	45.39	13.09	V	1	1
5	7,950.500	-42.18	-13.00	29.18	34.43	V	359	2



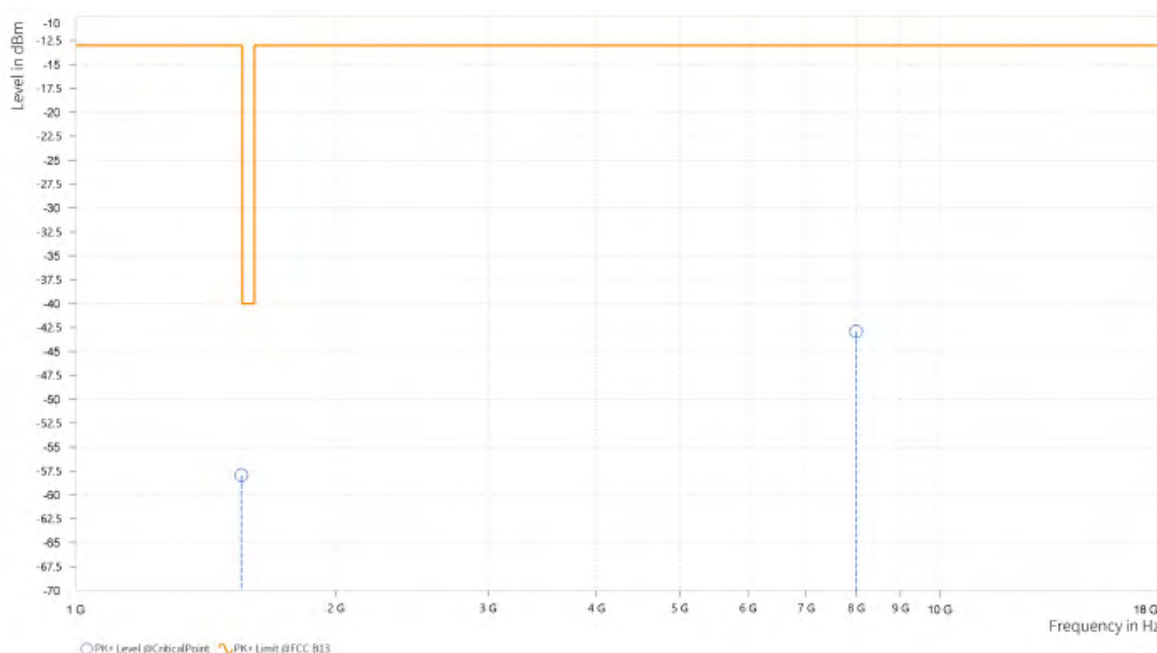
LTE B13(Ant0)

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

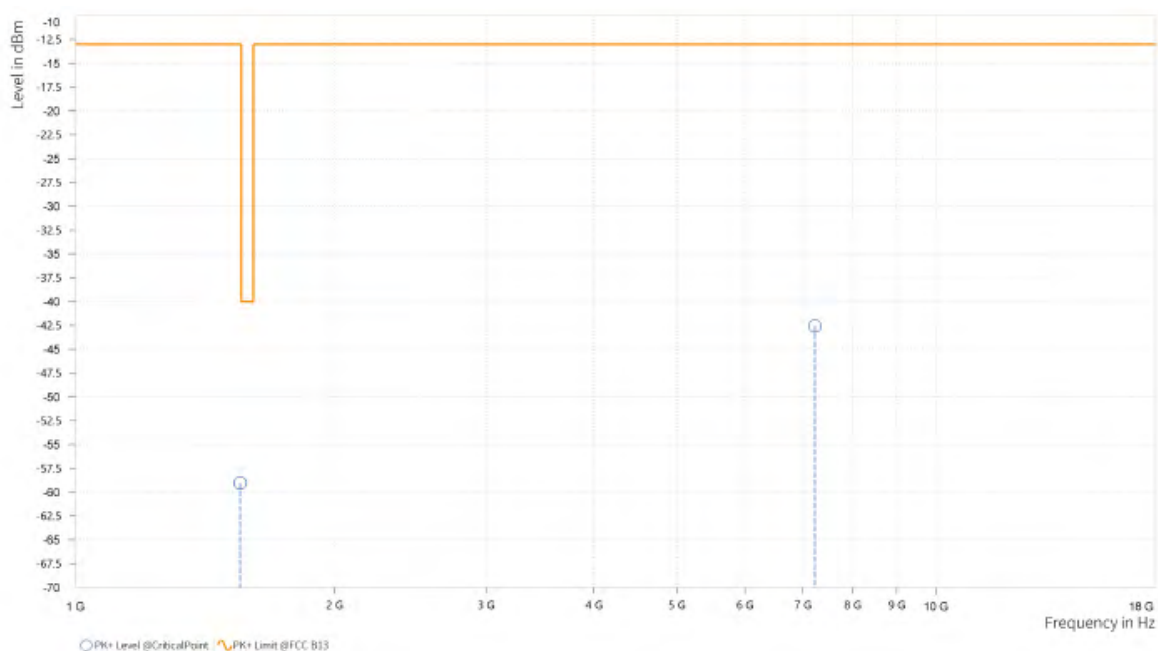
MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-57.95	-13.00	44.95	13.30	H	295.8	2
5	7,999.000	-42.92	-13.00	29.92	34.48	H	86.6	2



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			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,553.500	-59.05	-13.00	46.05	12.94	V	1	2
5	7,233.000	-42.57	-13.00	29.57	34.26	V	1	1





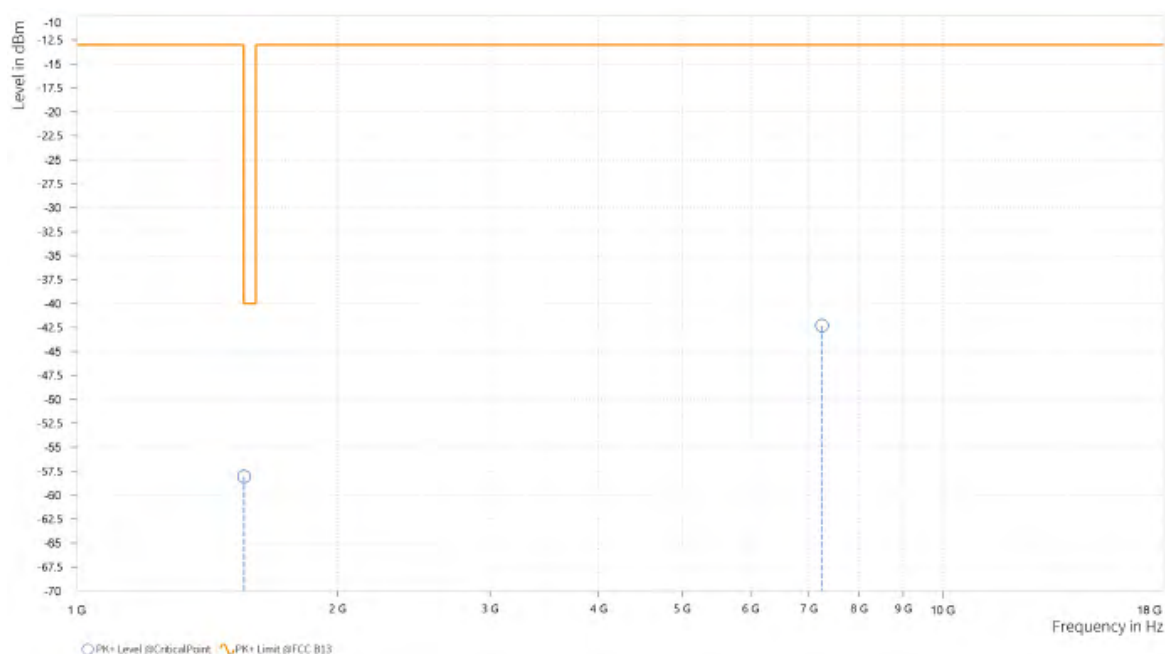
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CH20175

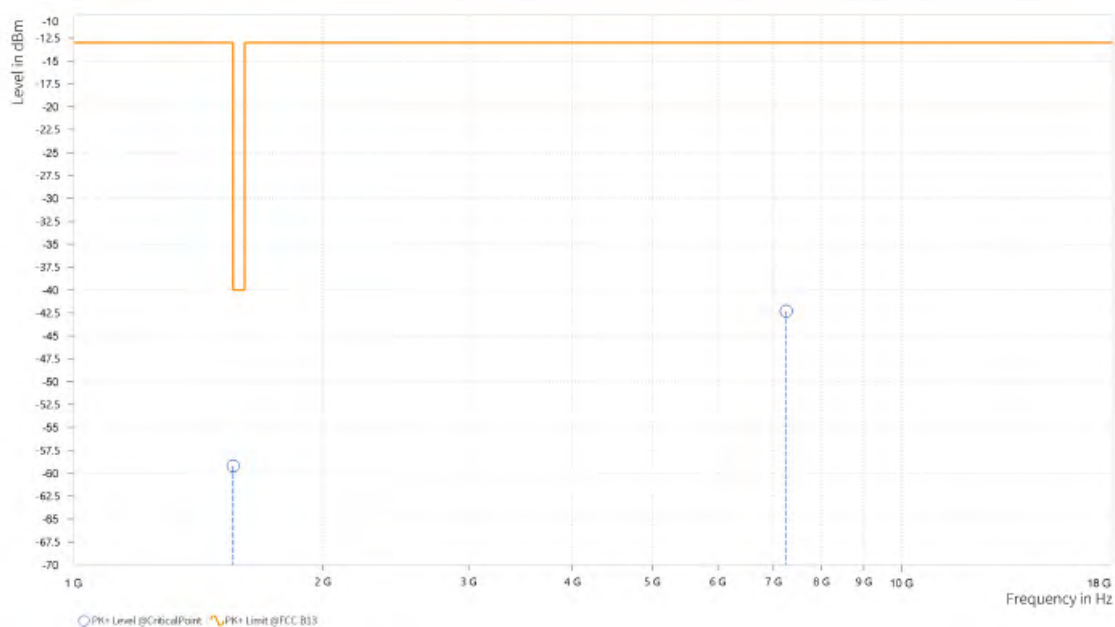
CREATOR			
MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,559.500	-58.06	-40.00	18.06	13.38	H	297	2
5	7,249.000	-42.31	-13.00	29.31	34.17	H	269.8	1



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

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,559.000	-59.20	-40.00	19.20	13.03	V	1	2
5	7,257.000	-42.31	-13.00	29.31	34.28	V	272.1	1





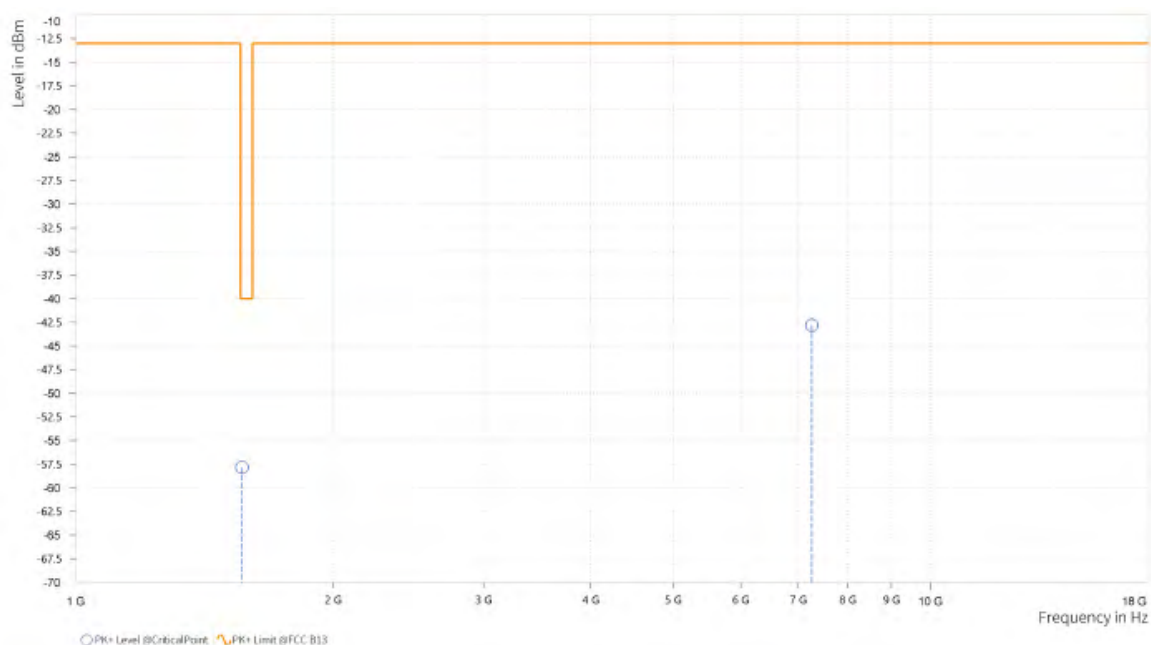
BUREAU
VERITAS

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CH23255

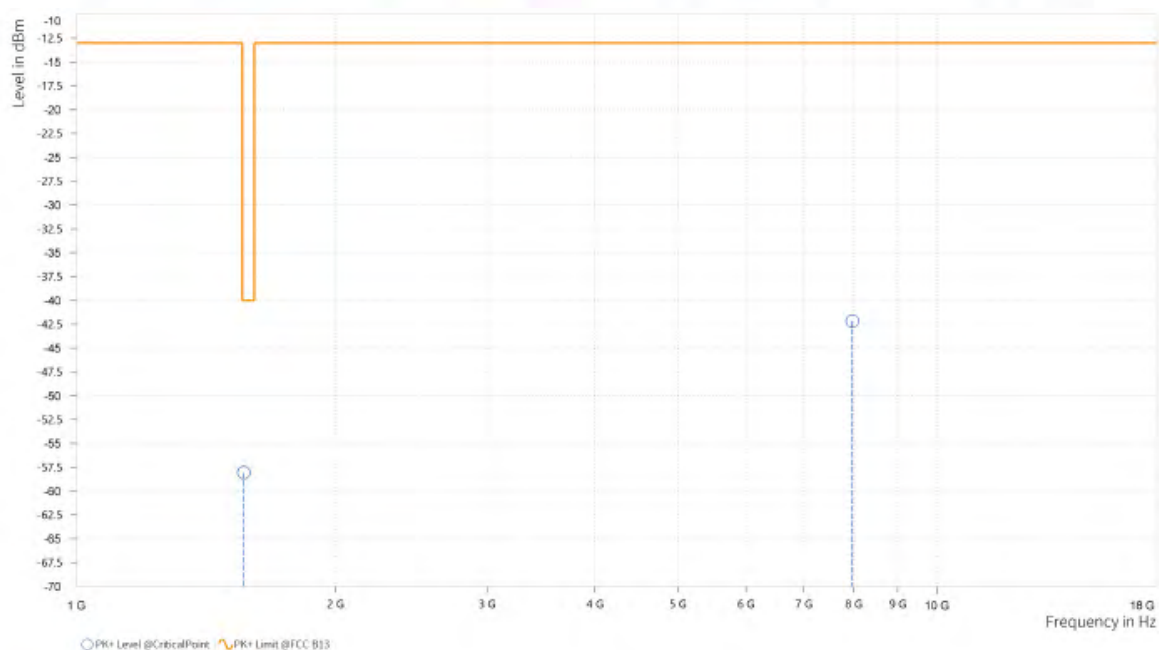
MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,565.000	-57.84	-40.00	17.84	13.41	H	297	2
5	7,263.500	-42.80	-13.00	29.80	34.05	H	359	2



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			

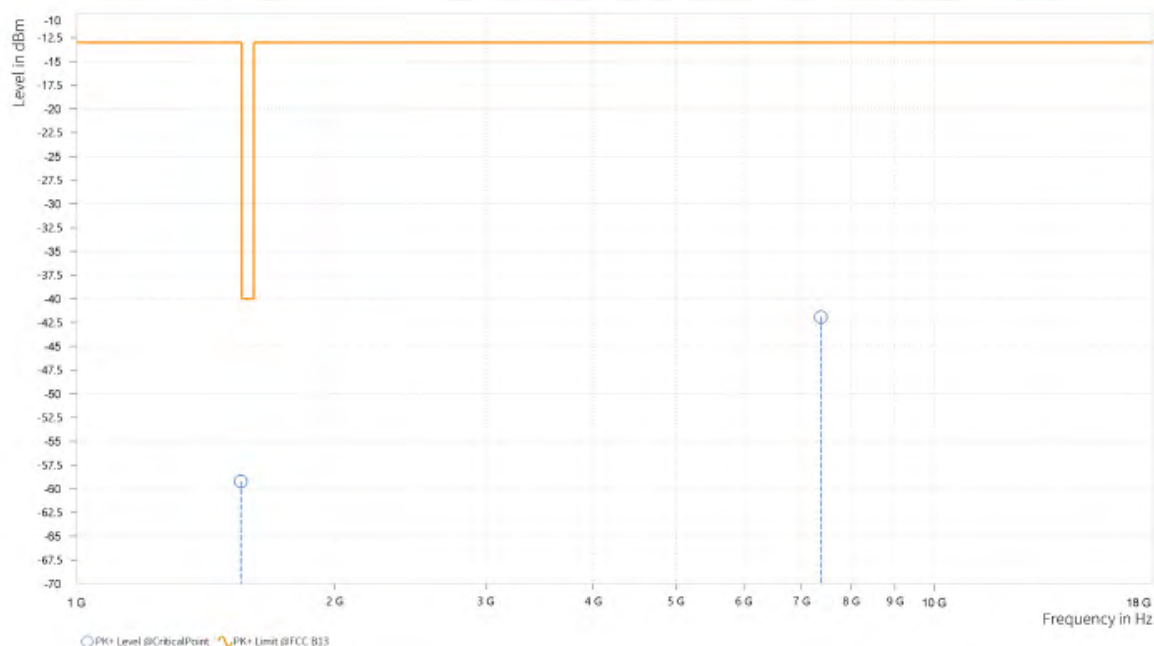
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,564.500	-58.06	-40.00	18.06	13.09	V	359	1
5	7,974.000	-42.18	-13.00	29.18	34.55	V	1	1



CHANNEL BANDWIDTH: 10MHz /QPSK

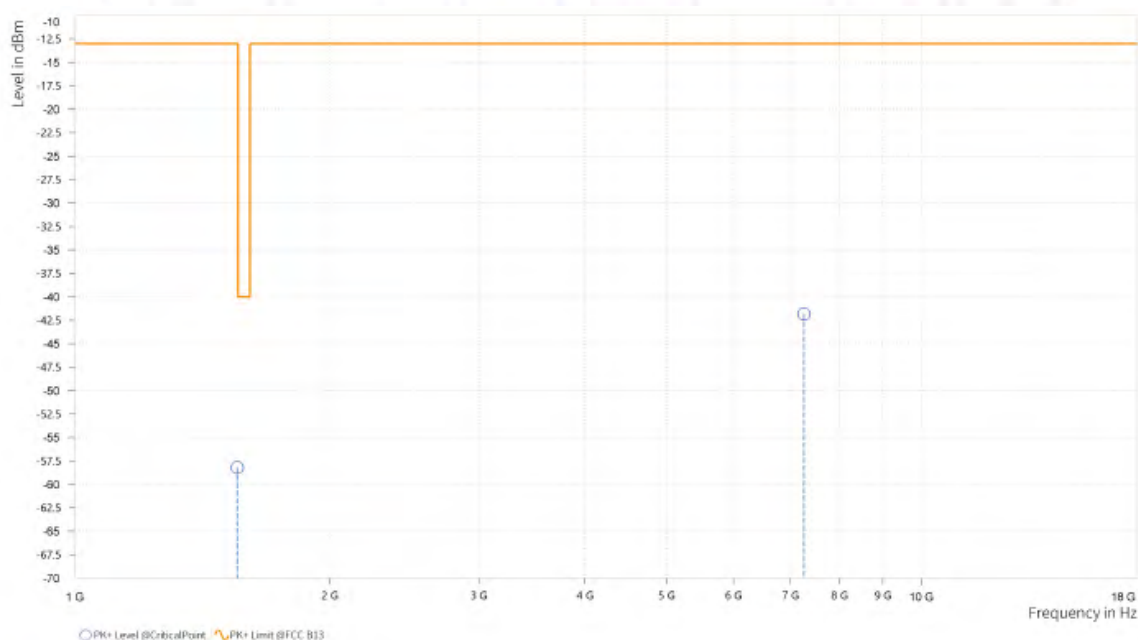
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,554.500	-59.23	-13.00	46.23	13.29	H	295.8	2
5	7,378.500	-41.92	-13.00	28.92	33.53	H	0.9	2



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			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-58.21	-13.00	45.21	12.96	V	0.9	2
5	7,264.500	-41.83	-13.00	28.83	34.24	V	90.2	2

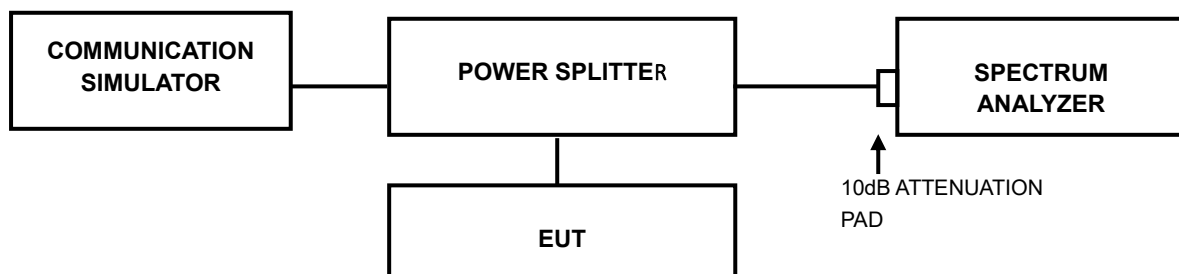


3.7 PEAK TO AVERAGE RATIO

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:

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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

WCDMA BAND4

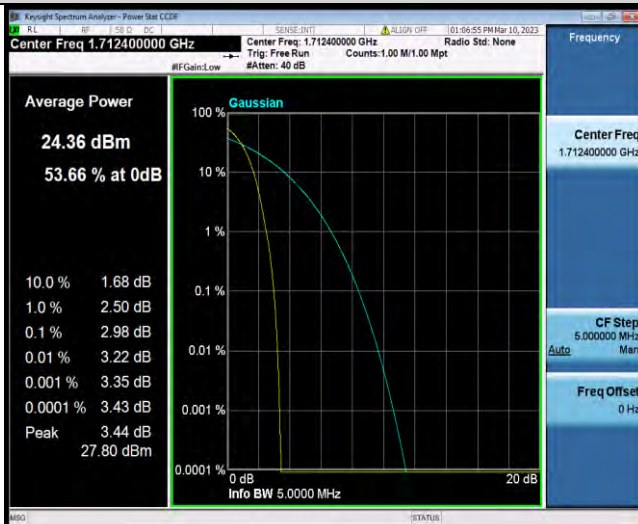
PEAK-TO-AVERAGE RATIO

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band4	1312	2.98	13	PASS
Band4	1413	2.99	13	PASS
Band4	1513	2.98	13	PASS

Test Graphs

Band4-1312



Band4-1413



Band4-1513



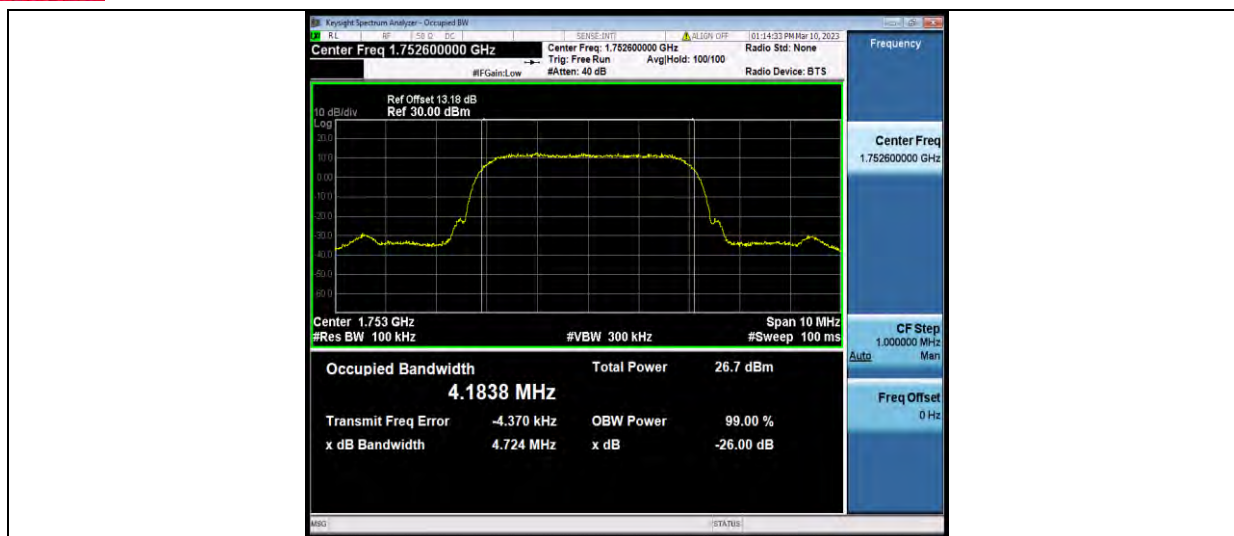
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band4	1312	4.1864	4.712	---	PASS
Band4	1413	4.1858	4.718	---	PASS
Band4	1513	4.1838	4.724	---	PASS

Test Graphs



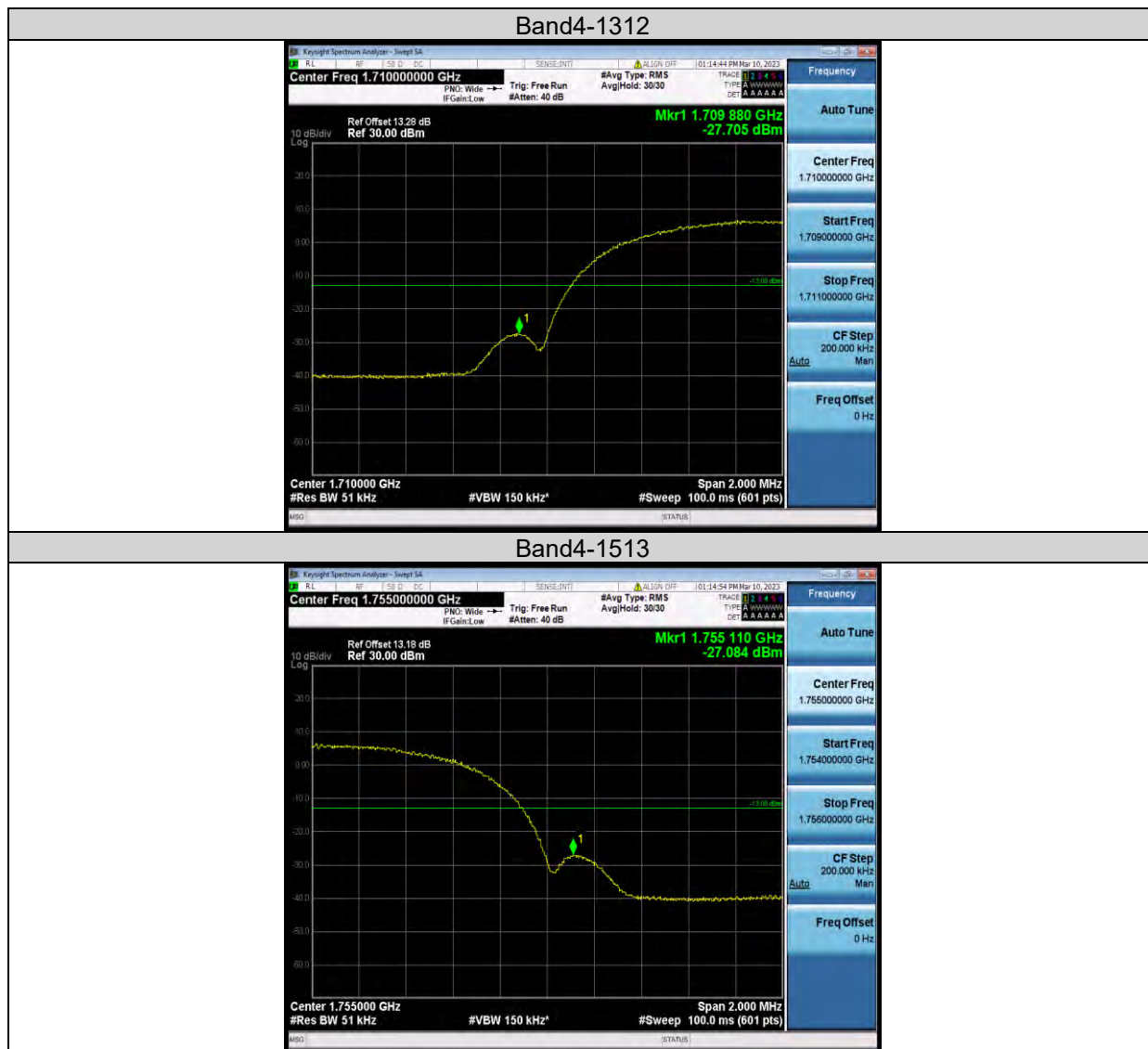


BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.88	-27.17	-13	PASS
Band4	1513	1755.11	-27.04	-13	PASS

Test Graphs





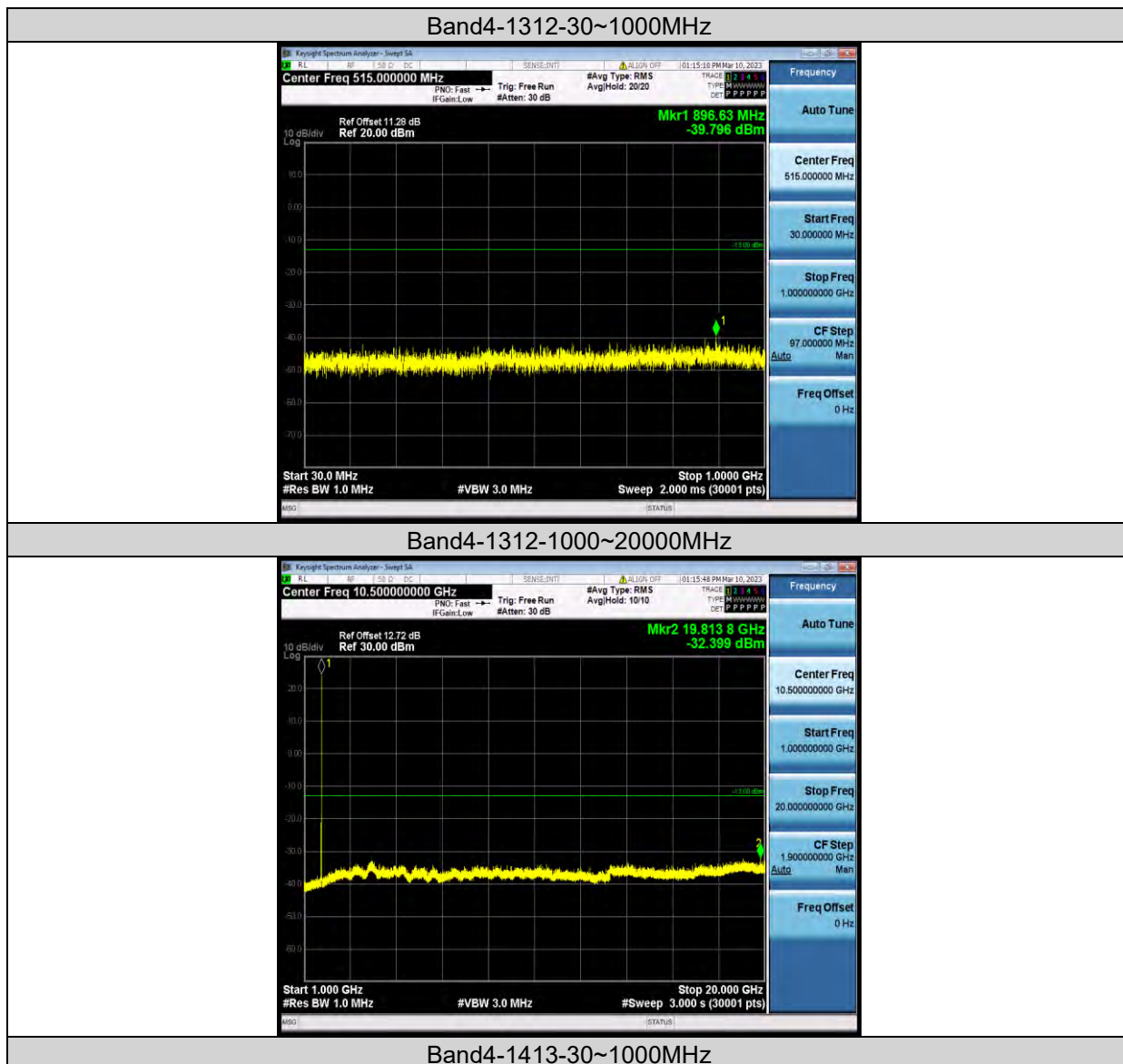
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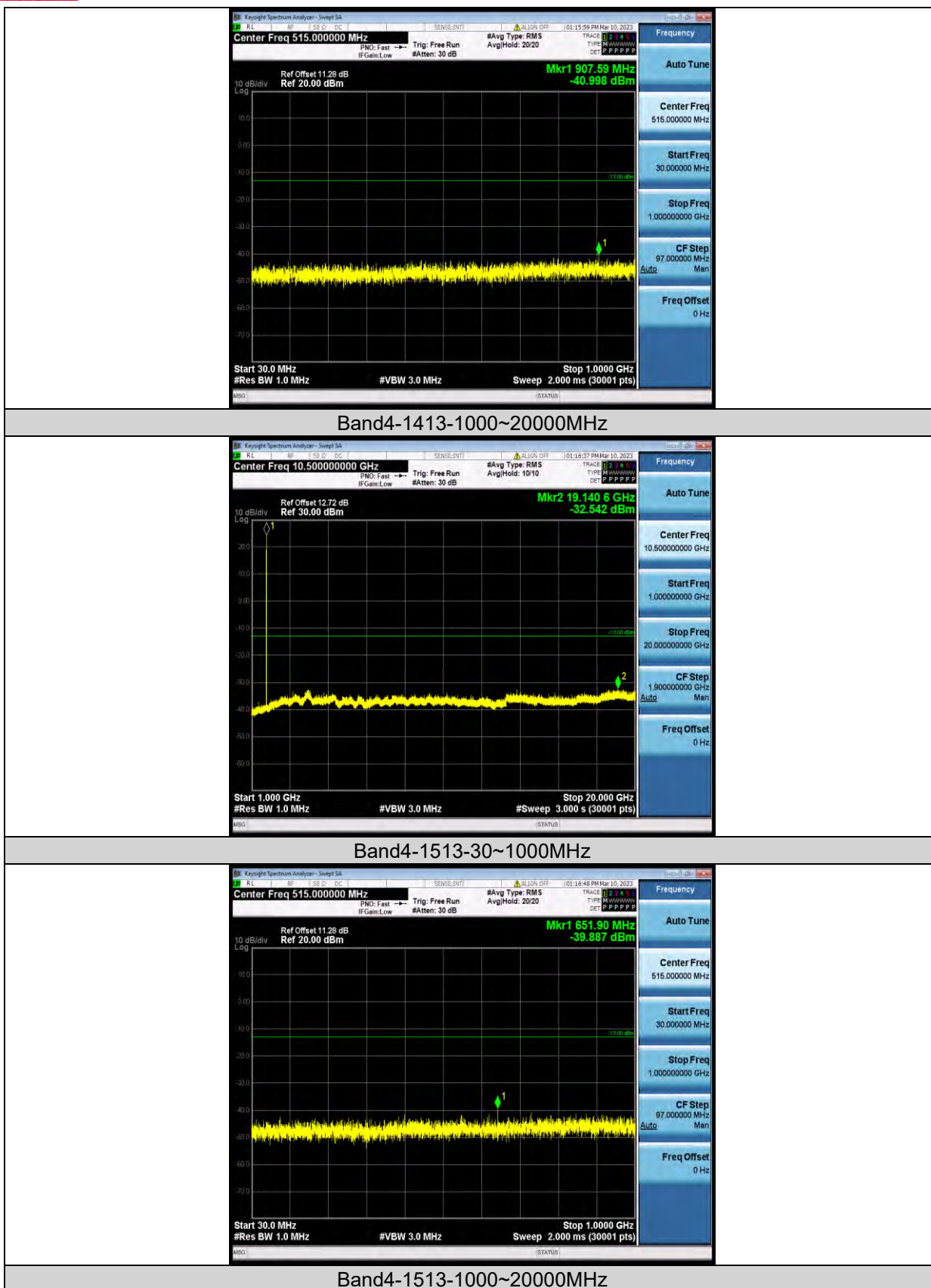
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	30~1000MHz	896.63	-39.8	-13	PASS
Band4	1312	1000~20000MHz	19813.8	-32.4	-13	PASS
Band4	1413	30~1000MHz	907.59	-41	-13	PASS
Band4	1413	1000~20000MHz	19140.57	-32.54	-13	PASS
Band4	1513	30~1000MHz	651.9	-39.89	-13	PASS
Band4	1513	1000~20000MHz	19062.03	-32.41	-13	PASS

Test Graphs







FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	LV	NT	-12.02	-0.007019	±2.5	PASS
Band4	1312	NV	NT	-14.60	-0.008526	±2.5	PASS
Band4	1312	HV	NT	-10.64	-0.006214	±2.5	PASS
Band4	1413	LV	NT	-7.87	-0.004542	±2.5	PASS
Band4	1413	NV	NT	-6.52	-0.003763	±2.5	PASS
Band4	1413	HV	NT	-10.00	-0.005772	±2.5	PASS
Band4	1513	LV	NT	-7.85	-0.004479	±2.5	PASS
Band4	1513	NV	NT	-6.77	-0.003863	±2.5	PASS
Band4	1513	HV	NT	-6.27	-0.003578	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	-9.16	-0.005349	±2.5	PASS
Band4	1312	NV	-20	-8.74	-0.005104	±2.5	PASS
Band4	1312	NV	-10	-10.72	-0.006260	±2.5	PASS
Band4	1312	NV	0	-10.89	-0.006359	±2.5	PASS
Band4	1312	NV	10	-10.19	-0.005951	±2.5	PASS
Band4	1312	NV	20	-12.27	-0.007165	±2.5	PASS
Band4	1312	NV	30	-11.53	-0.006733	±2.5	PASS
Band4	1312	NV	40	-10.10	-0.005898	±2.5	PASS
Band4	1312	NV	50	-12.41	-0.007247	±2.5	PASS



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Band4	1413	NV	-30	-10.26	-0.005922	±2.5	PASS
Band4	1413	NV	-20	-15.38	-0.008877	±2.5	PASS
Band4	1413	NV	-10	-10.84	-0.006256	±2.5	PASS
Band4	1413	NV	0	-9.95	-0.005743	±2.5	PASS
Band4	1413	NV	10	-10.27	-0.005928	±2.5	PASS
Band4	1413	NV	20	-8.93	-0.005154	±2.5	PASS
Band4	1413	NV	30	-10.30	-0.005945	±2.5	PASS
Band4	1413	NV	40	-5.32	-0.003071	±2.5	PASS
Band4	1413	NV	50	-13.85	-0.007994	±2.5	PASS
Band4	1513	NV	-30	-4.58	-0.002613	±2.5	PASS
Band4	1513	NV	-20	-6.64	-0.003789	±2.5	PASS
Band4	1513	NV	-10	-5.74	-0.003275	±2.5	PASS
Band4	1513	NV	0	-11.01	-0.006282	±2.5	PASS
Band4	1513	NV	10	-5.54	-0.003161	±2.5	PASS
Band4	1513	NV	20	-6.47	-0.003692	±2.5	PASS
Band4	1513	NV	30	-6.34	-0.003617	±2.5	PASS
Band4	1513	NV	40	-5.63	-0.003212	±2.5	PASS
Band4	1513	NV	50	-9.88	-0.005637	±2.5	PASS

Note: LV = Low voltage(3.5V); NV = Normal voltage(3.8V); HV = High voltage(4.2V);
NT = Normal temperature (25°C).

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	1710.306800	≥ 1710	PASS
$f_H - \text{MAX}(\Delta f) $	1754.691900	≤ 1755	

Note : 1. $|\text{MAX}(\Delta f)|$ = Max Deviation

2. f_L = Occ low channel f_L (-13dBm/MHz)

3. f_H = Occ High channel f_H (-13dBm/MHz)

4. $|\text{MAX}(\Delta f)|$ = 10.54Hz.

LTE BAND7

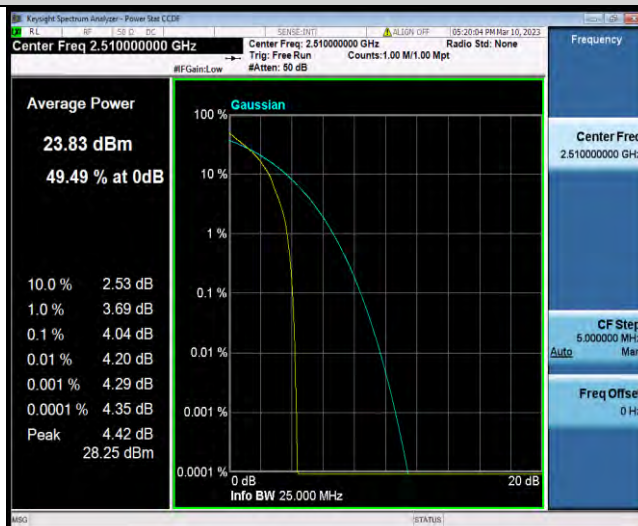
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	4.04	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.20	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.23	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.43	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.21	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.67	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.97	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.01	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.09	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.03	13	PASS
Band7	20MHz	64QAM	20850	1RB#0	5.61	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.50	13	PASS
Band7	20MHz	64QAM	21100	1RB#0	5.60	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.41	13	PASS
Band7	20MHz	64QAM	21350	1RB#0	5.77	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.40	13	PASS

Test Graphs

Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-1RB#0



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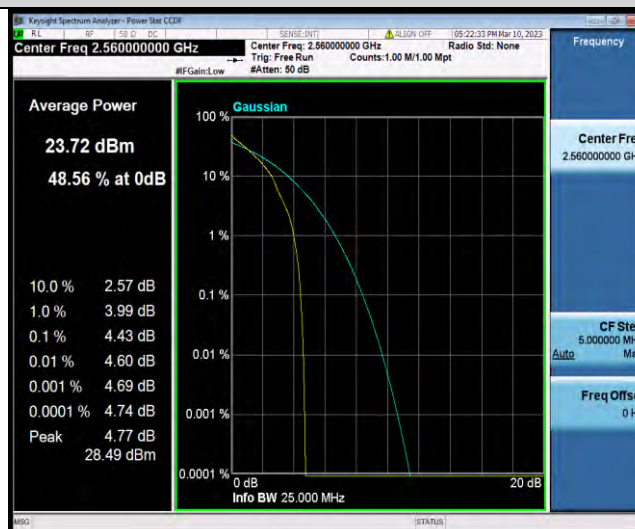
Test Report No.: W7L-P23030003RF06



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-1RB#0

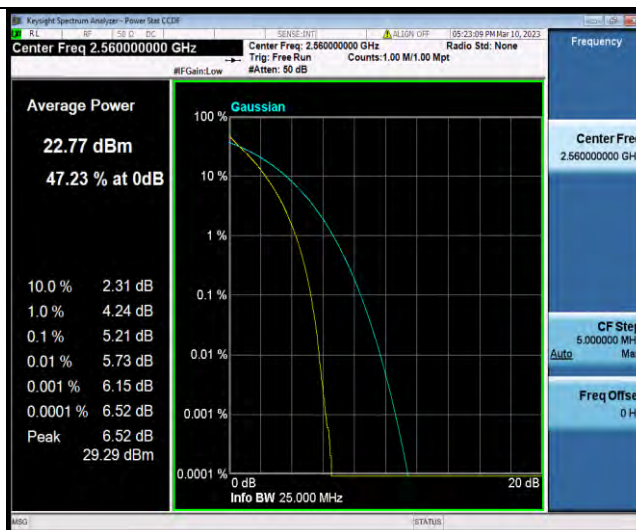


Band7-20MHz-QPSK-21350-100RB#0

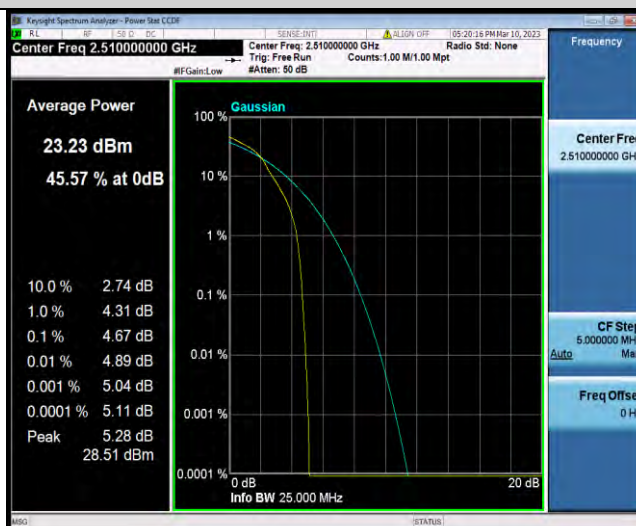


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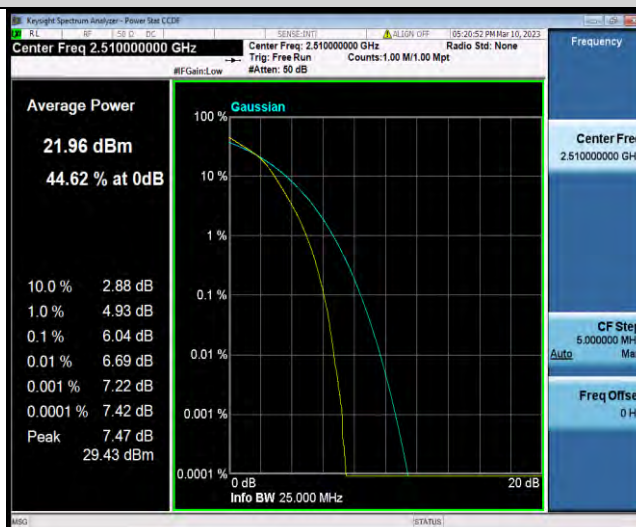
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Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-1RB#0

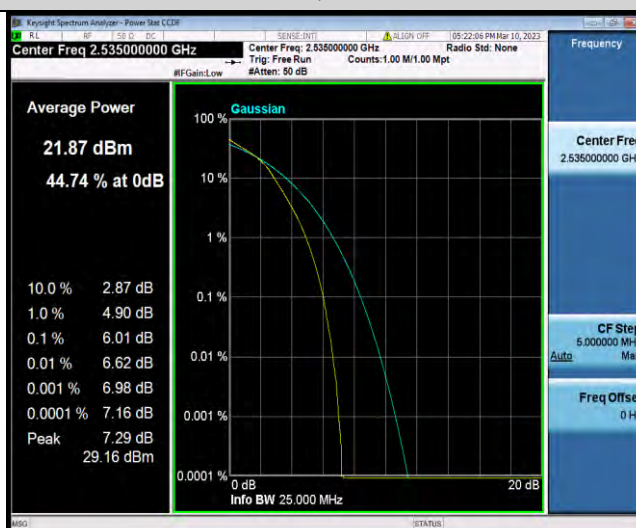


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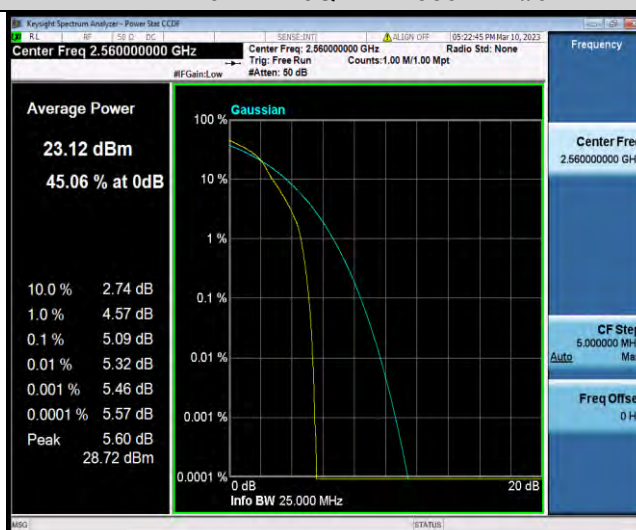
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Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0



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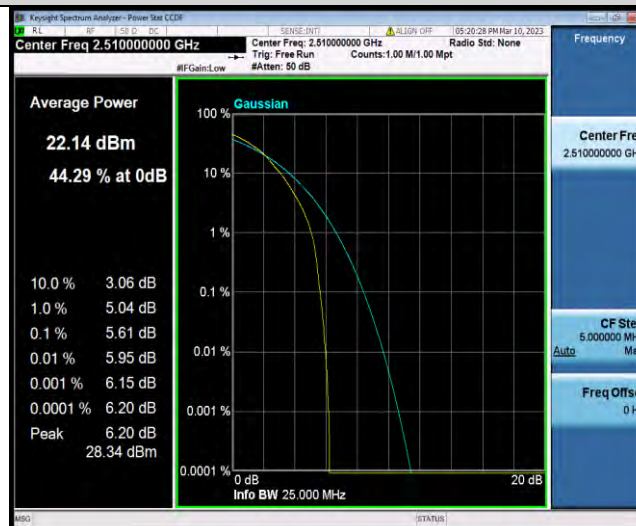


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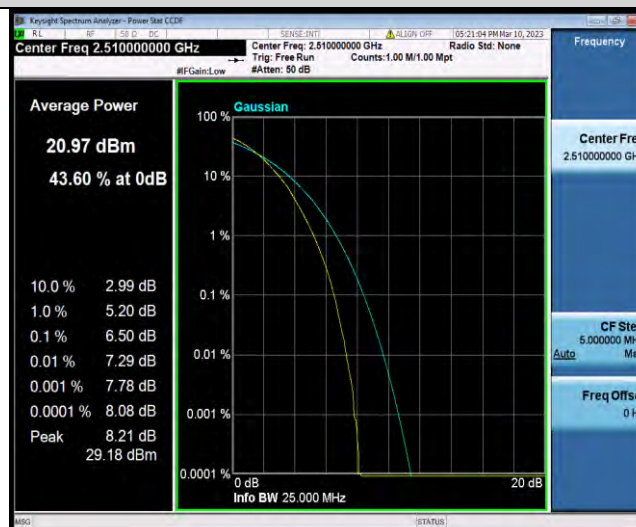
Test Report No.: W7L-P23030003RF06



Band7-20MHz-64QAM-20850-1RB#0



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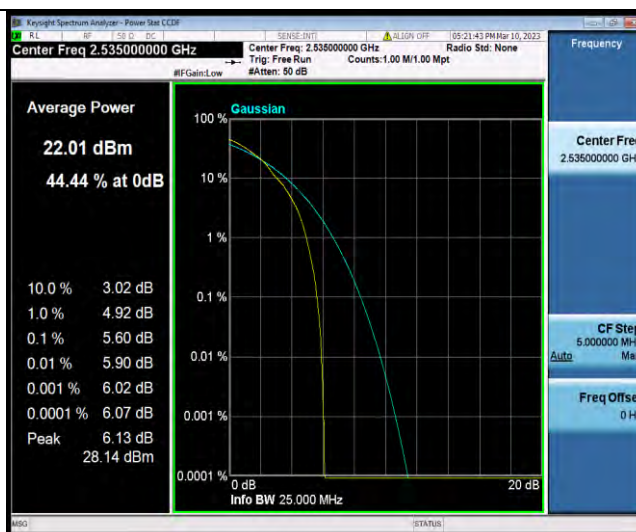


Band7-20MHz-64QAM-21100-1RB#0



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Test Report No.: W7L-P23030003RF06



Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-1RB#0

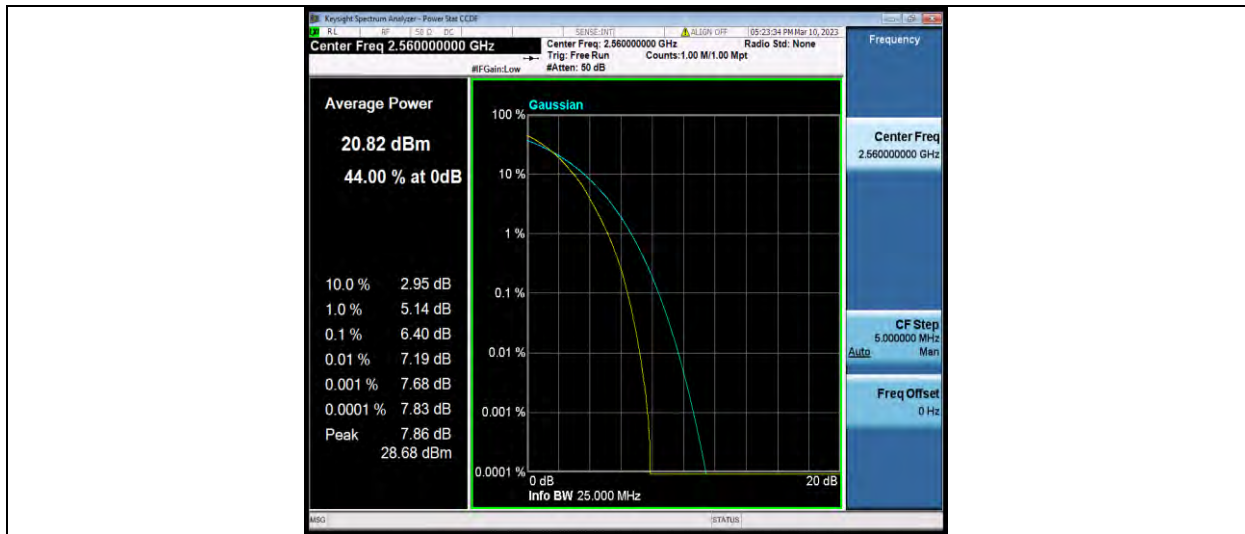


Band7-20MHz-64QAM-21350-100RB#0



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Test Report No.: W7L-P23030003RF06



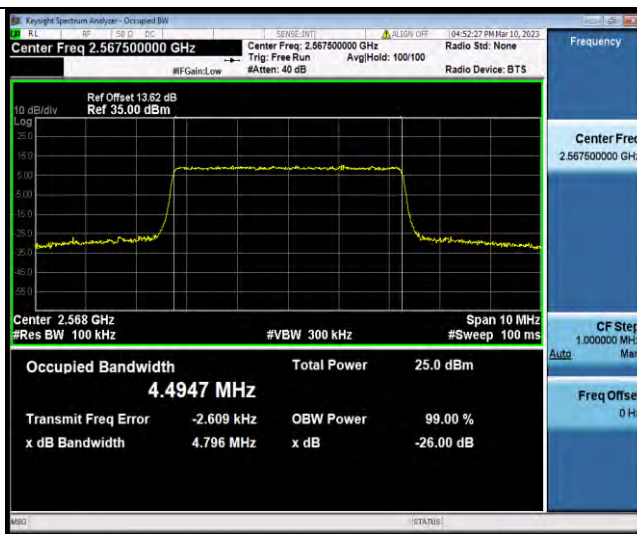
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4977	4.795	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4973	4.787	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4947	4.796	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5036	4.830	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5031	4.822	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5069	4.834	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.4998	4.802	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.4992	4.803	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.4968	4.804	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9850	9.517	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9892	9.521	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9911	9.516	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9810	9.510	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9903	9.528	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9912	9.533	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.9742	9.517	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.9938	9.528	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.9752	9.495	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.466	14.24	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.469	14.25	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.483	14.27	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.470	14.23	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.462	14.26	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.468	14.25	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.455	14.24	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.463	14.27	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.23	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.947	18.96	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.938	18.95	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.943	18.97	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.945	18.96	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.916	18.95	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.930	18.94	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.937	18.97	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.933	18.95	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.941	18.96	PASS

Test Graphs

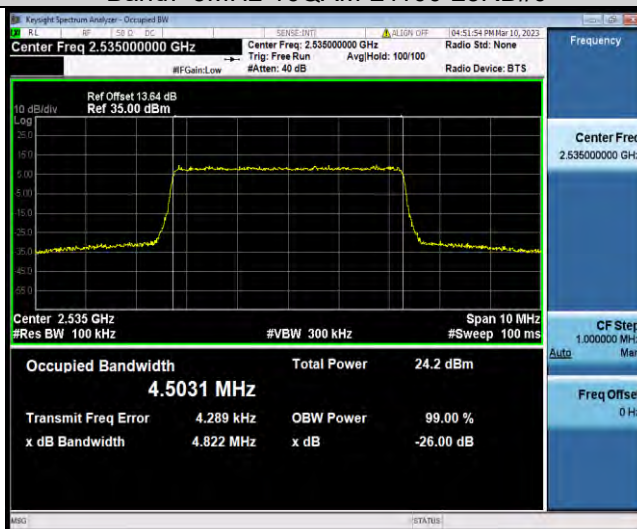




Band7-5MHz-16QAM-20775-25RB#0



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



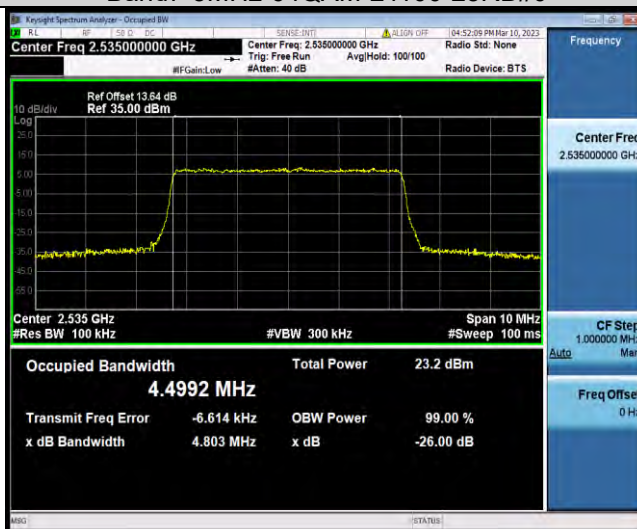
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Band7-5MHz-64QAM-20775-25RB#0



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

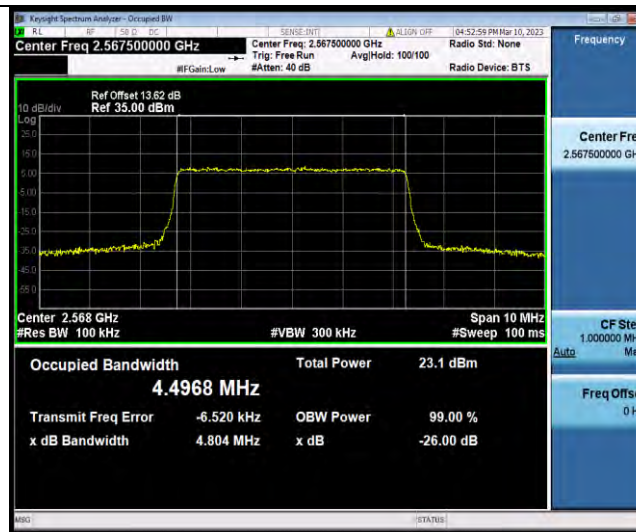


Band7-5MHz-64QAM-21425-25RB#0



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Test Report No.: W7L-P23030003RF06



Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-50RB#0



Band7-10MHz-16QAM-21100-50RB#0



Band7-10MHz-16QAM-21400-50RB#0



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Test Report No.: W7L-P23030003RF06



Band7-10MHz-64QAM-20800-50RB#0



Band7-10MHz-64QAM-21100-50RB#0



Band7-10MHz-64QAM-21400-50RB#0

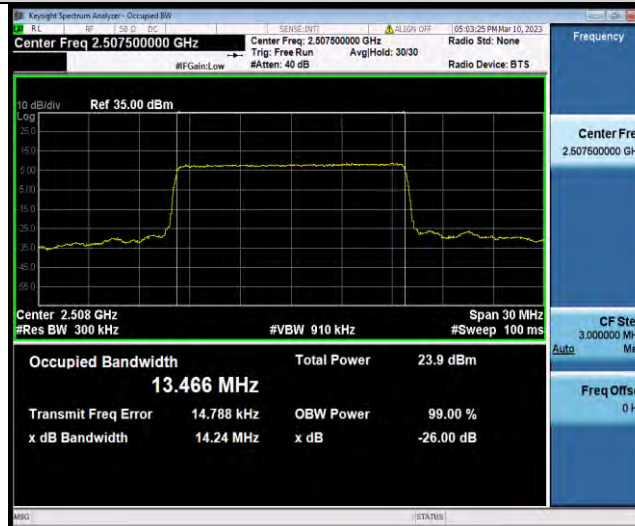


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Test Report No.: W7L-P23030003RF06



Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21100-75RB#0



Band7-15MHz-QPSK-21375-75RB#0



Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21100-75RB#0



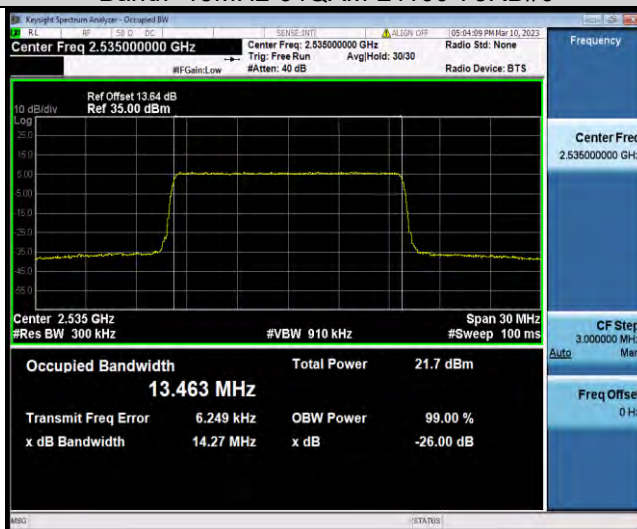
Band7-15MHz-16QAM-21375-75RB#0



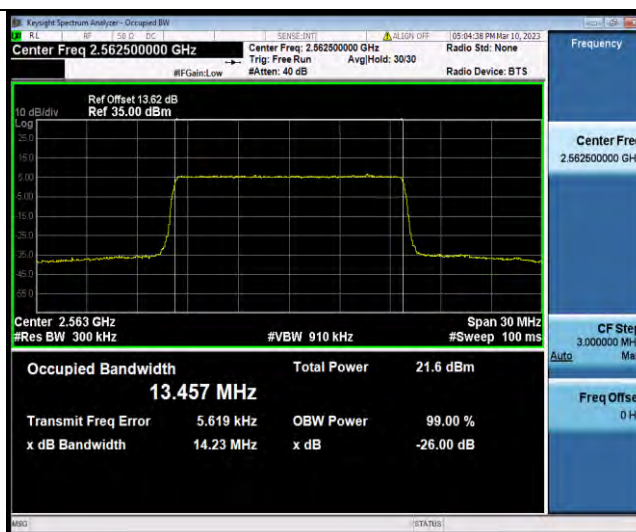
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Band7-15MHz-64QAM-21100-75RB#0



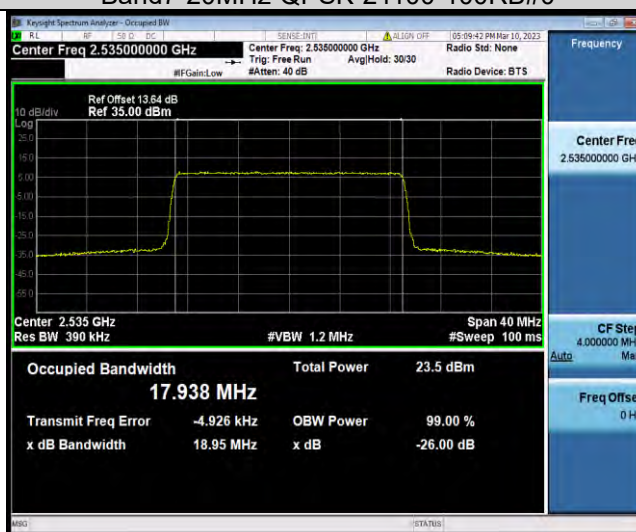
Band7-15MHz-64QAM-21375-75RB#0



Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-100RB#0



Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0