

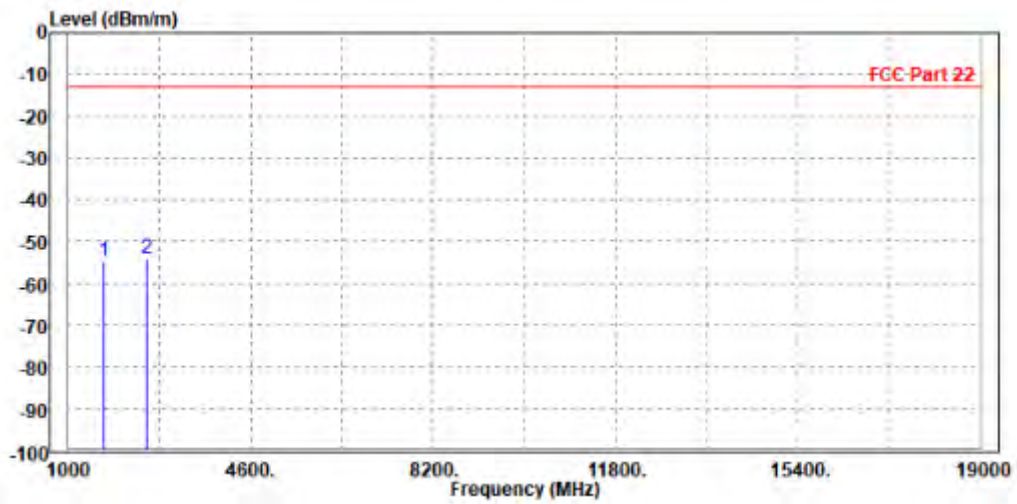


**BUREAU
VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 4233	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	1693.200	-54.94	-56.30	-13.00	-41.94	1.36	Peak	Vertical
2 PP	2548.000	-53.85	-58.94	-13.00	-40.85	5.09	Peak	Vertical





BUREAU VERITAS

Test Report No.: W7L-P23030016RF04

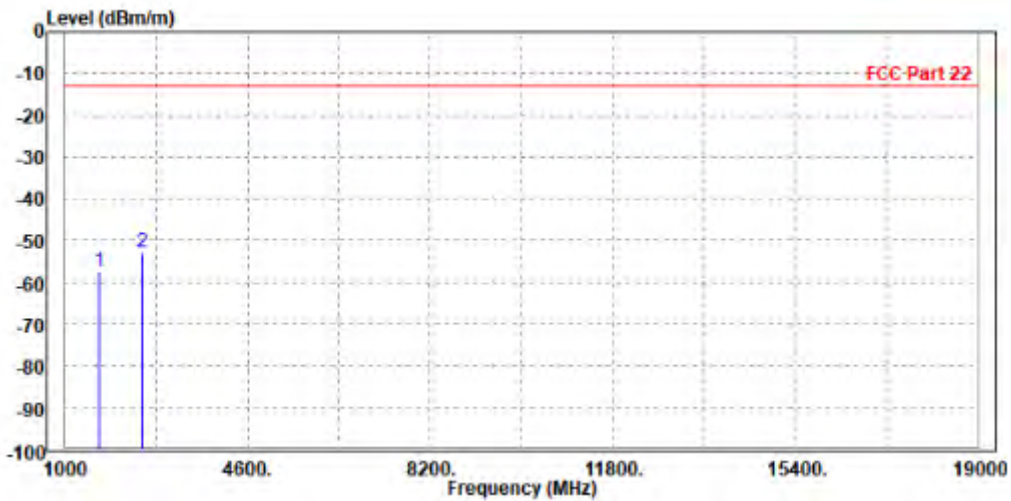
LTE Band 26

CHANNEL BANDWIDTH: 1.4MHz / QPSK

CH26915

MODE	TX channel 26915	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	1666.000	-57.24	-58.16	-13.00	-44.24	0.92	Peak	Horizontal
2 PP	2512.000	-52.72	-58.19	-13.00	-39.72	5.47	Peak	Horizontal



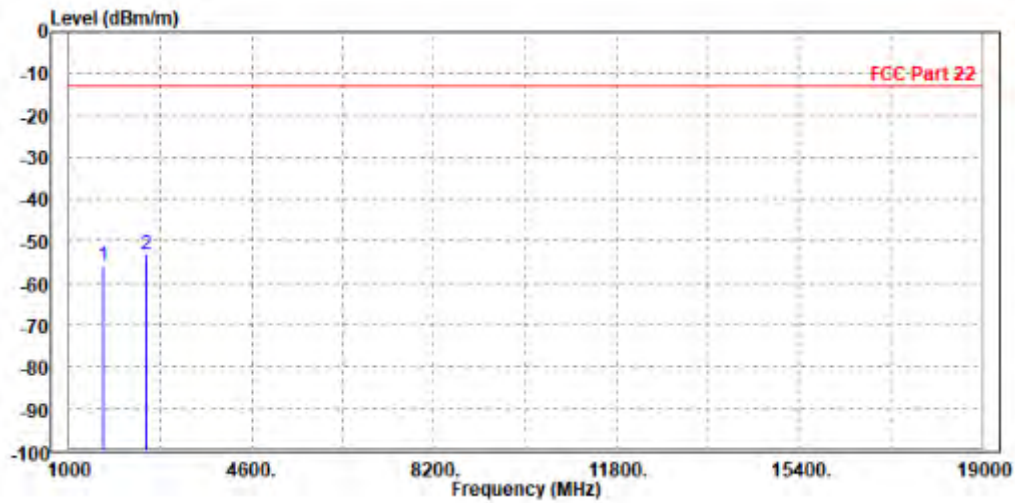


BUREAU VERITAS

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26915	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	1673.000	-55.71	-56.93	-13.00	-42.71	1.22	Peak	Vertical
2 PP	2512.000	-53.31	-58.29	-13.00	-40.31	4.98	Peak	Vertical

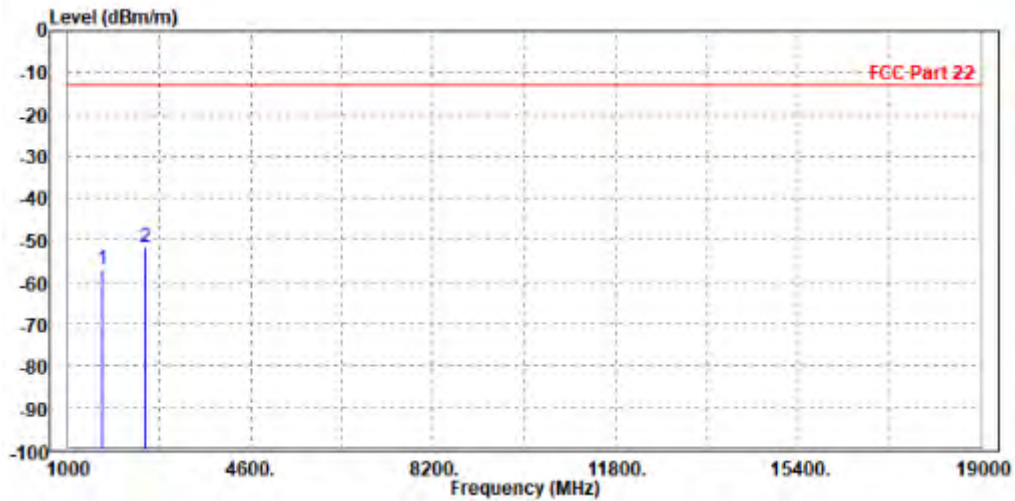




CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 26915	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	1673.000	-57.07	-58.05	-13.00	-44.07	0.98	Peak	Horizontal
2 PP	2512.000	-51.83	-57.30	-13.00	-38.83	5.47	Peak	Horizontal



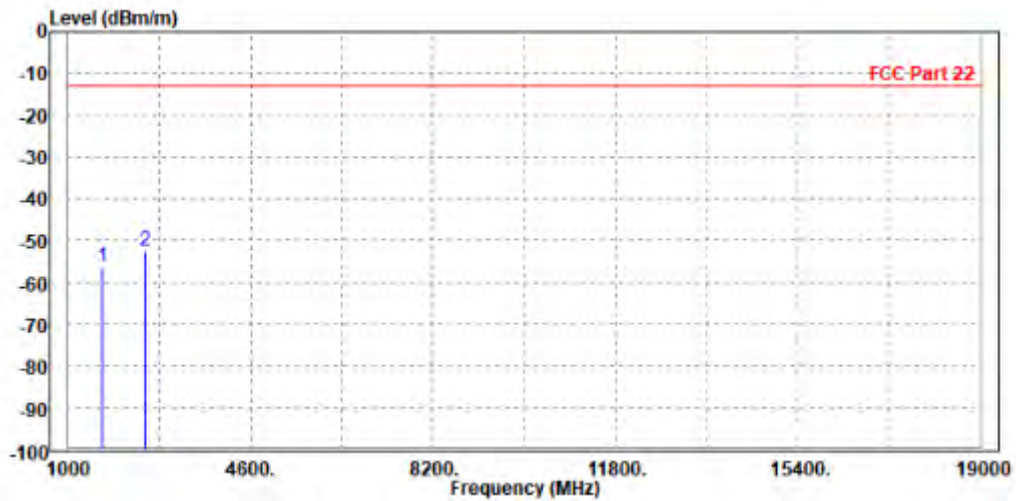


**BUREAU
VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26915	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	1666.000	-56.36	-57.53	-13.00	-43.36	1.17	Peak	Vertical
2 PP	2509.500	-52.61	-57.58	-13.00	-39.61	4.97	Peak	Vertical

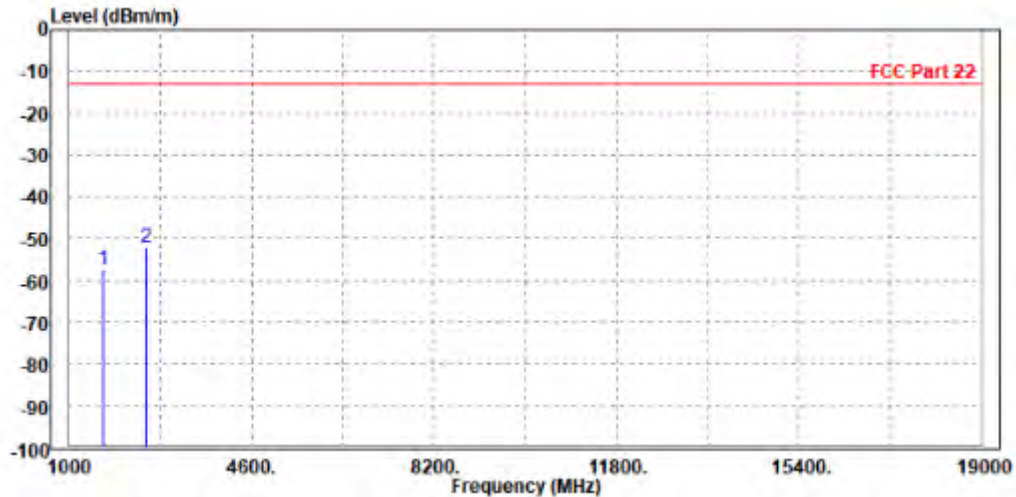




CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 26915	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	1666.000	-57.37	-58.29	-13.00	-44.37	0.92	Peak	Horizontal
2 PP	2509.500	-52.11	-57.57	-13.00	-39.11	5.46	Peak	Horizontal



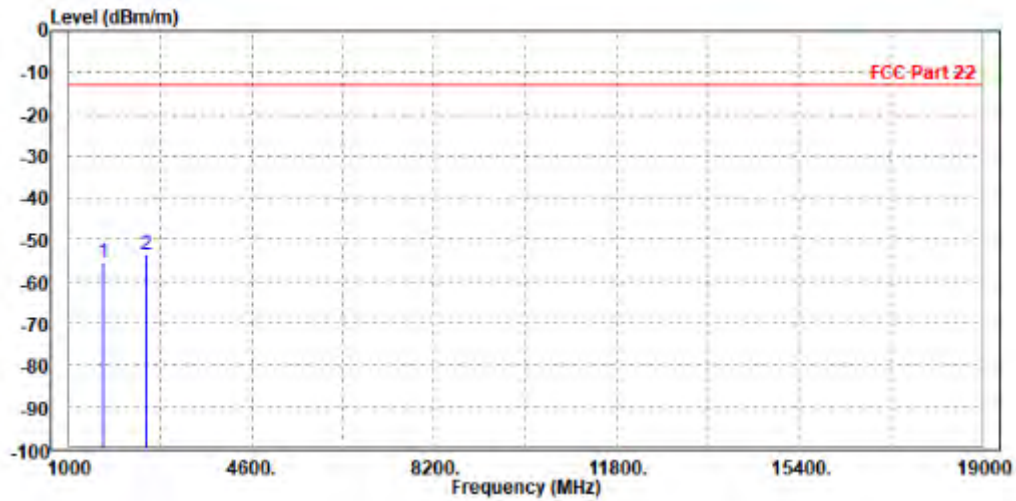


**BUREAU
VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26915	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	1673.000	-55.58	-56.80	-13.00	-42.58	1.22	Peak	Vertical
2 PP	2512.000	-53.64	-58.62	-13.00	-40.64	4.98	Peak	Vertical





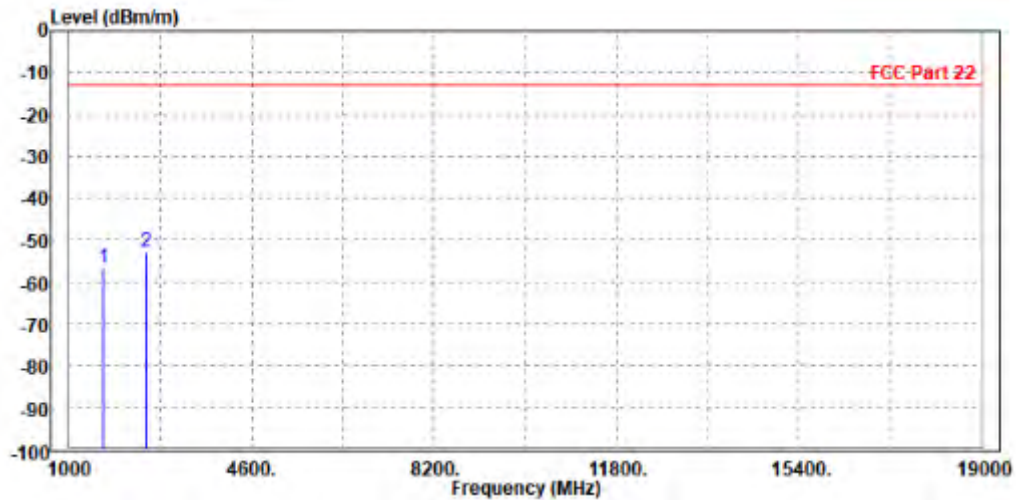
BUREAU VERITAS

Test Report No.: W7L-P23030016RF04

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 26915	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	1666.000	-56.73	-57.65	-13.00	-43.73	0.92	Peak	Horizontal
2 PP	2509.500	-53.02	-58.48	-13.00	-40.02	5.46	Peak	Horizontal



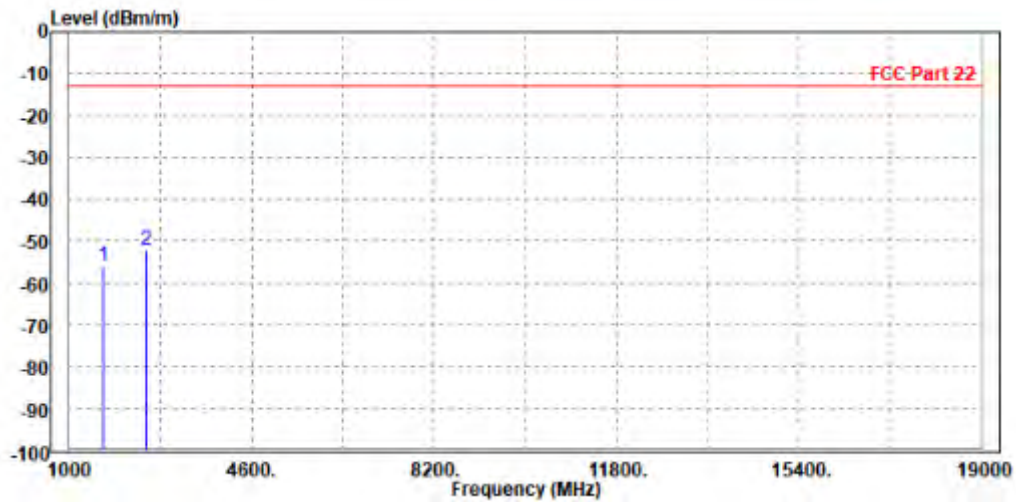


**BUREAU
VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26915	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	1666.000	-55.81	-56.98	-13.00	-42.81	1.17	Peak	Vertical
2 PP	2509.500	-51.94	-56.91	-13.00	-38.94	4.97	Peak	Vertical



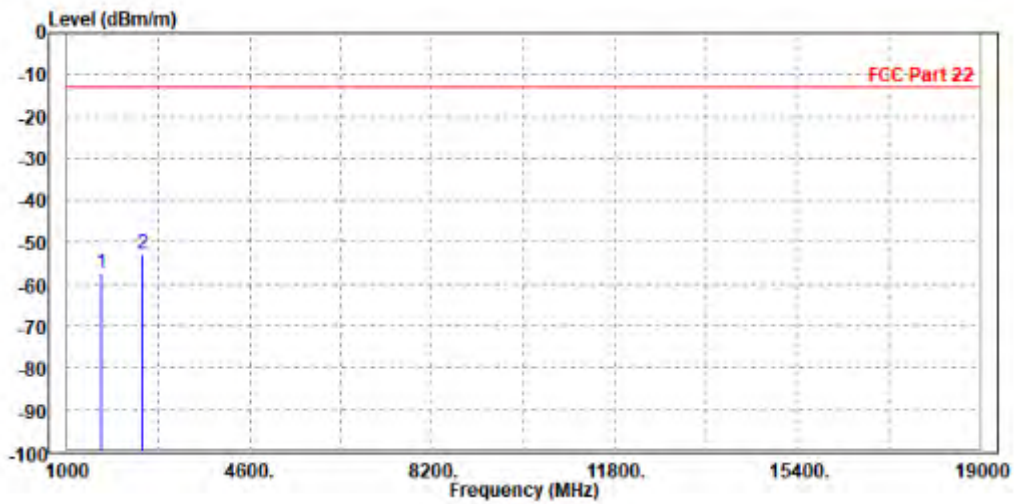


CHANNEL BANDWIDTH: 15MHz / QPSK

CH26845

MODE	TX channel 26845	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	1666.000	-57.34	-58.26	-13.00	-44.34	0.92	Peak	Horizontal
2 PP	2487.000	-52.73	-58.12	-13.00	-39.73	5.39	Peak	Horizontal



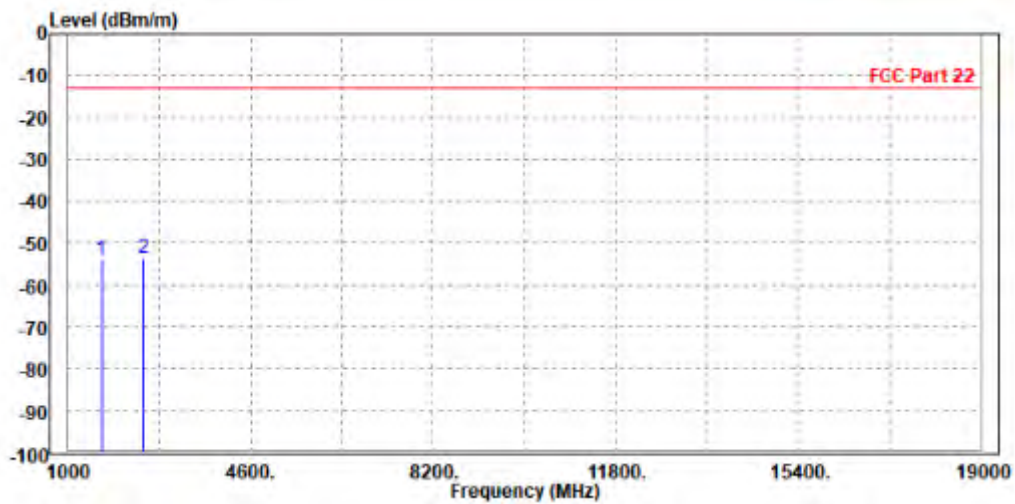


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VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26845	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	1658.000	-54.10	-55.21	-13.00	-41.10	1.11	Peak	Vertical
2 PP	2494.000	-53.47	-58.39	-13.00	-40.47	4.92	Peak	Vertical

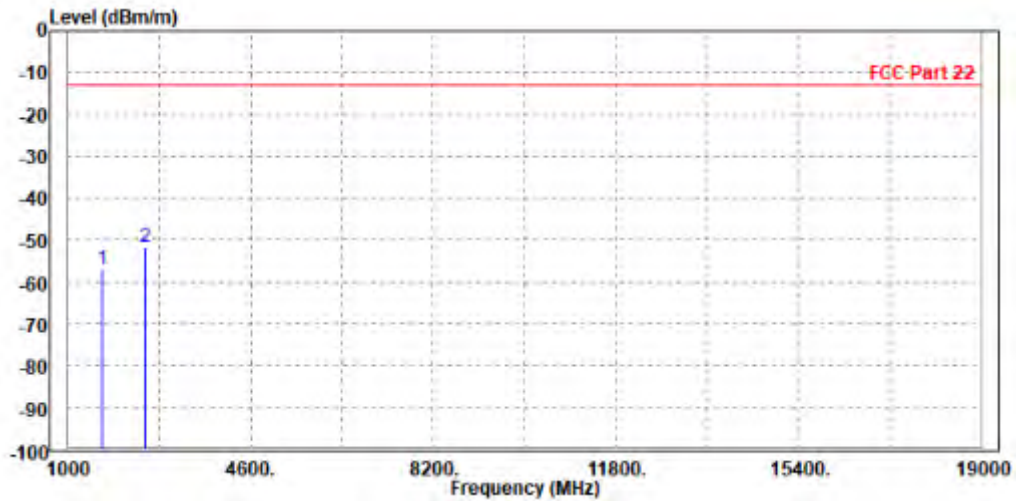




CH26915

MODE	TX channel 26915	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	1673.000	-56.97	-57.95	-13.00	-43.97	0.98	Peak	Horizontal
2	PP 2512.000	-51.82	-57.29	-13.00	-38.82	5.47	Peak	Horizontal



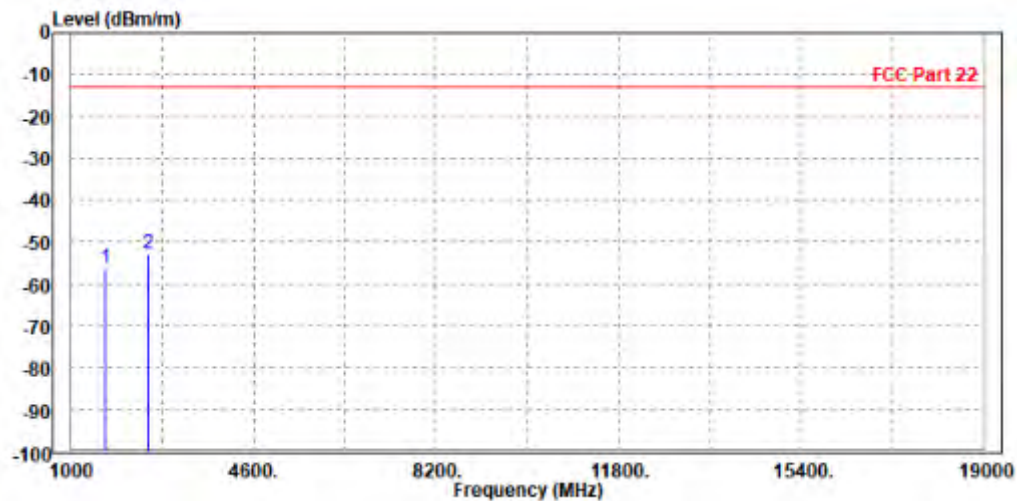


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VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26915	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	1666.000	-56.27	-57.44	-13.00	-43.27	1.17	Peak	Vertical
2 PP	2509.500	-53.00	-57.97	-13.00	-40.00	4.97	Peak	Vertical





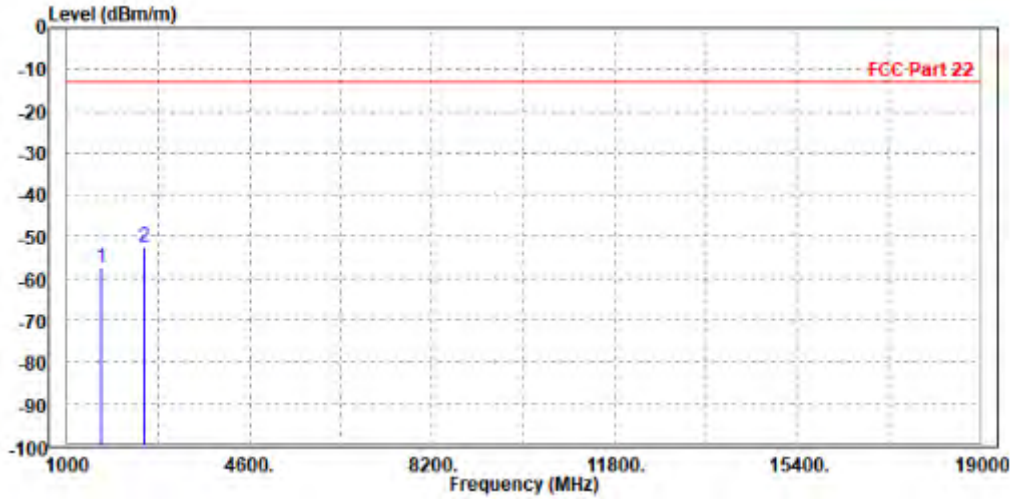
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Test Report No.: W7L-P23030016RF04

CH26990

MODE	TX channel 26990	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	Po1/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1688.000	-57.50	-58.60	-13.00	-44.50	1.10	Peak	Horizontal
2 PP	2530.000	-52.60	-58.11	-13.00	-39.60	5.51	Peak	Horizontal



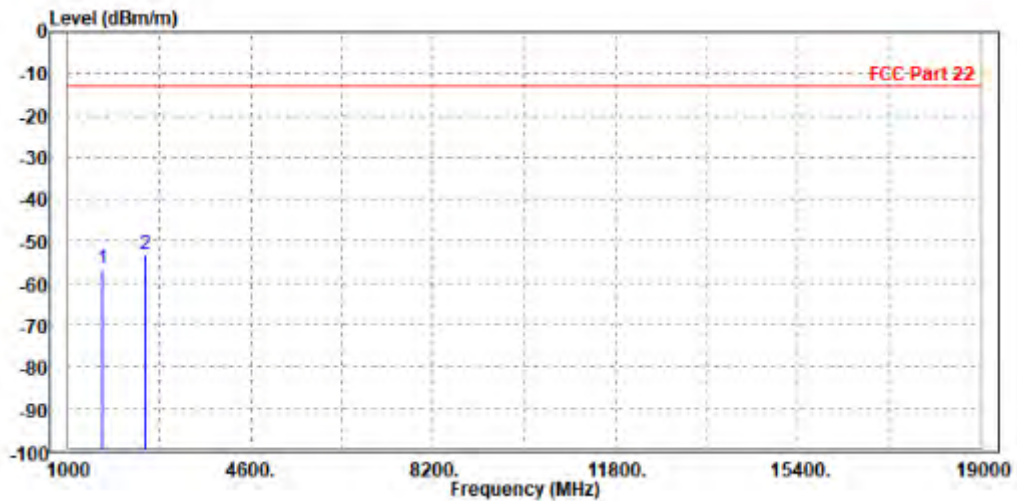


**BUREAU
VERITAS**

Test Report No.: W7L-P23030016RF04

MODE	TX channel 26990	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	1684.000	-56.68	-57.98	-13.00	-43.68	1.30	Peak	Vertical
2 PP	2532.000	-53.23	-58.27	-13.00	-40.23	5.04	Peak	Vertical

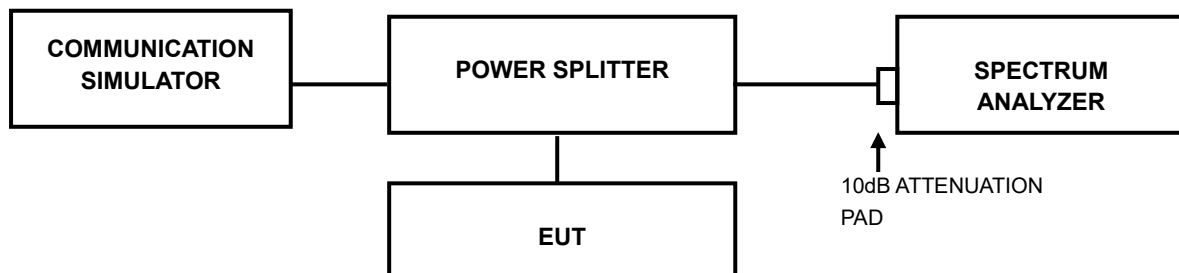


3.7 PEAK TO AVERAGE RATIO

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 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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5 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@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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Test Report No.: W7L-P23030016RF04

6 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.



7 APPENDIX

GSM850

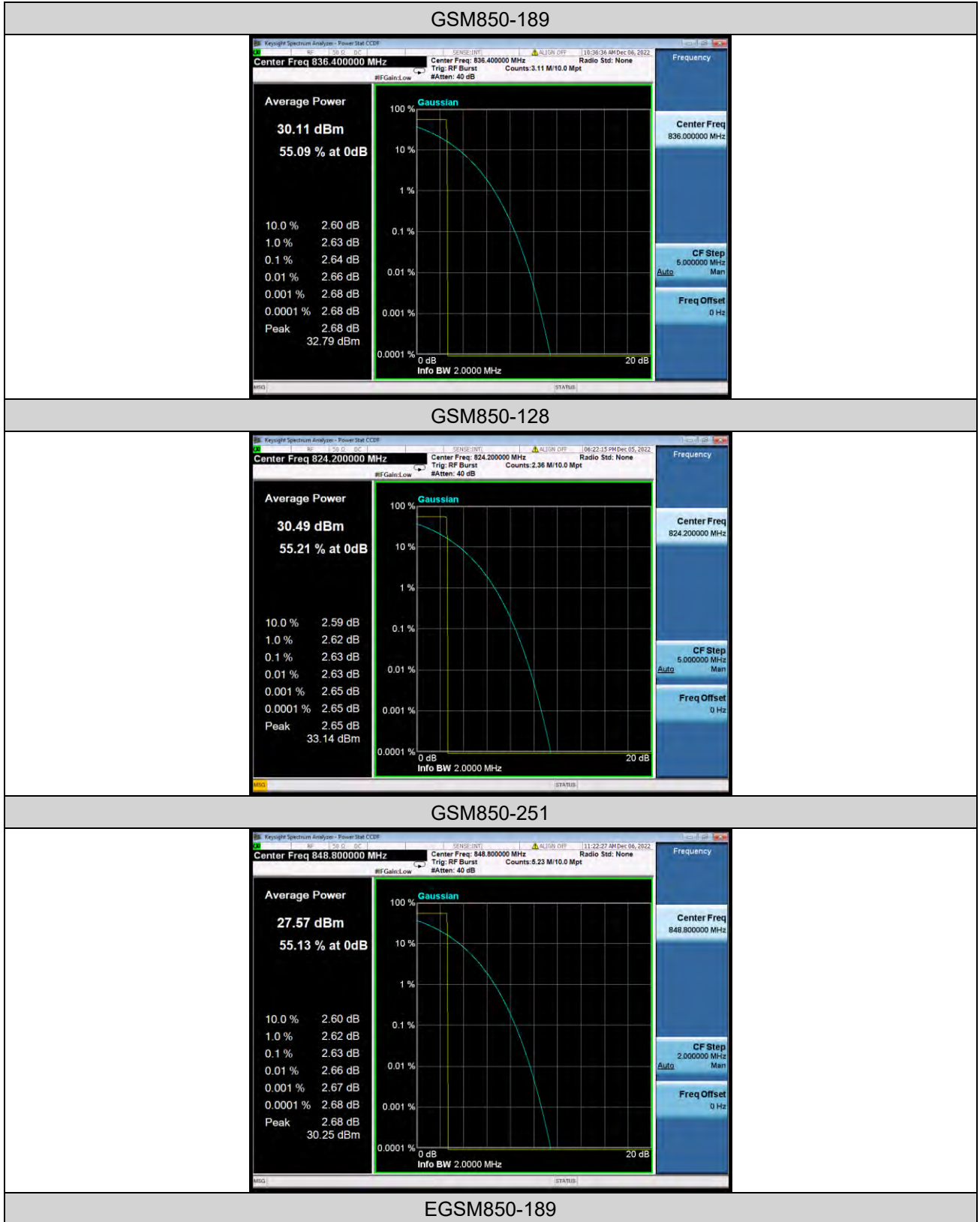
PEAK-TO-AVERAGE RATIO (CCDF)

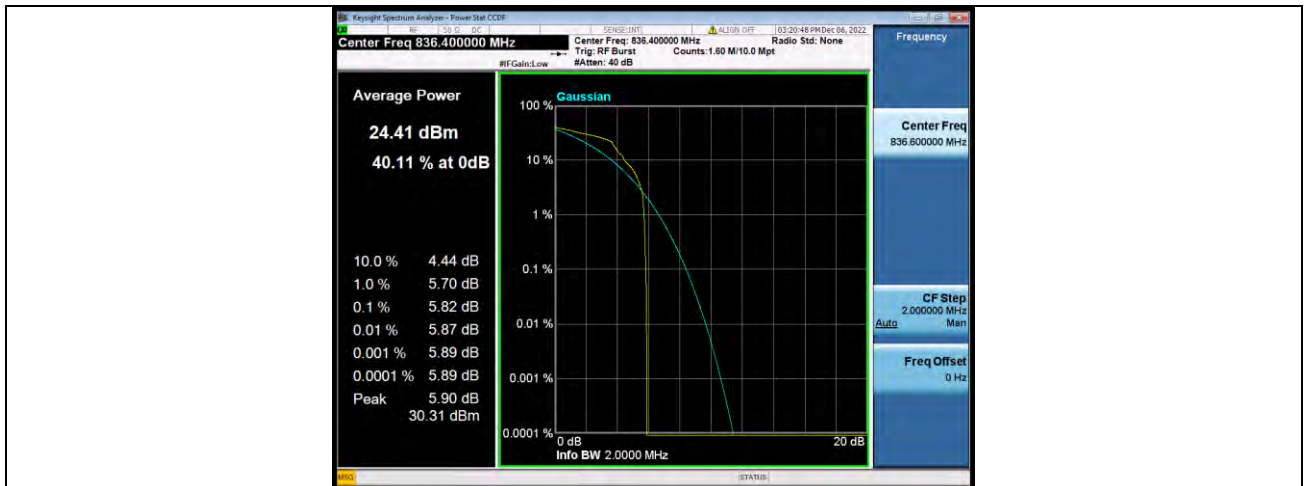
Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	189	2.63	13	PASS
GSM850	128	2.64	13	PASS
GSM850	251	2.63	13	PASS
EGSM850	189	5.76	13	PASS
EGSM850	128	5.82	13	PASS
EGSM850	251	5.77	13	PASS

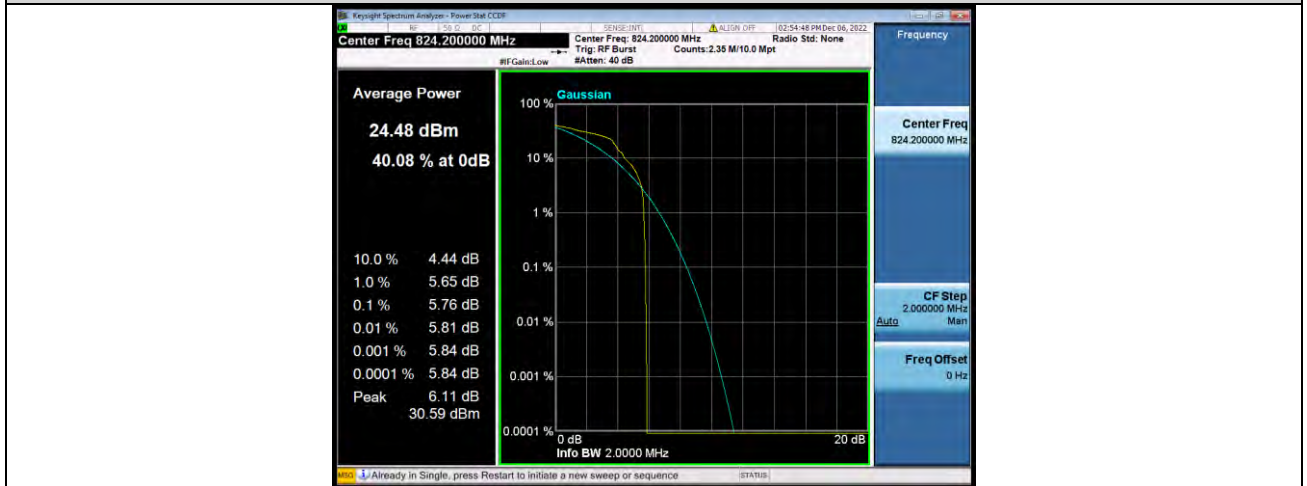


Test Graphs

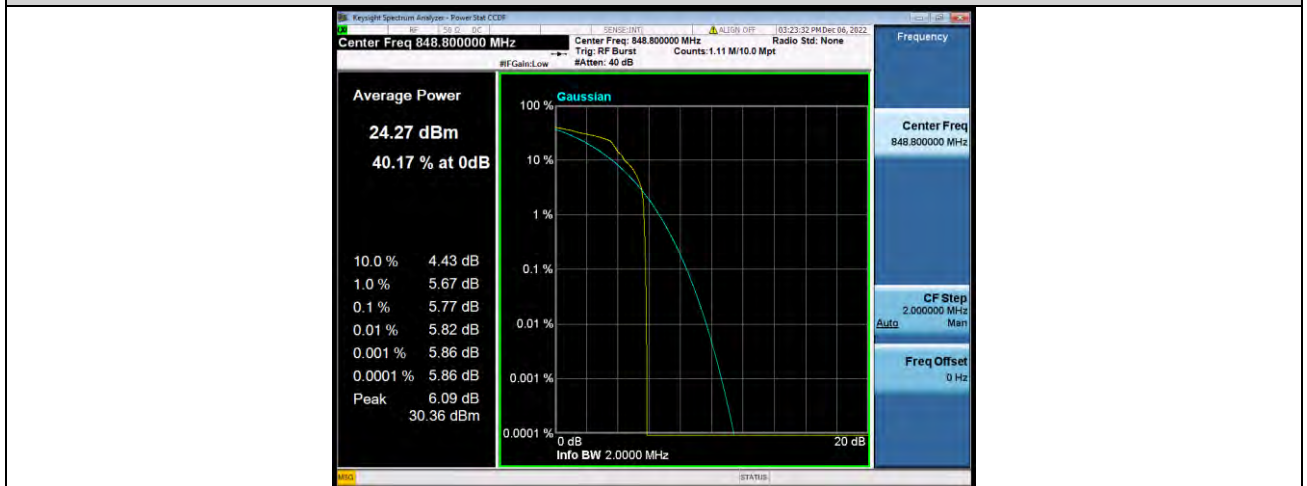




EGSM850-128



EGSM850-251





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

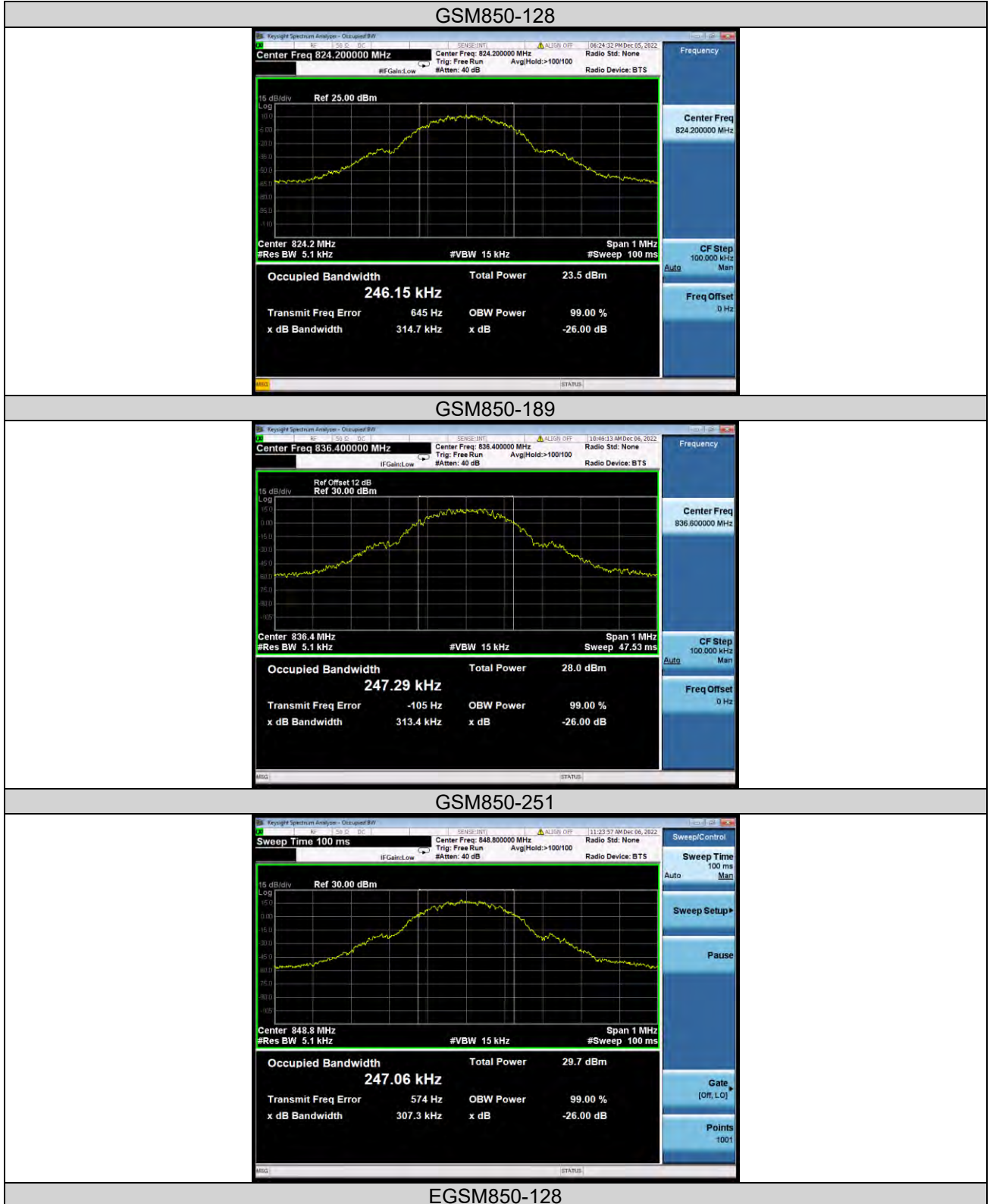
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24615	0.3147	---	PASS
GSM850	189	0.24229	0.3134	---	PASS
GSM850	251	0.24706	0.3073	---	PASS
EGSM850	128	0.24300	0.3059	---	PASS
EGSM850	189	0.24317	0.3139	---	PASS
EGSM850	251	0.24321	0.3000	---	PASS

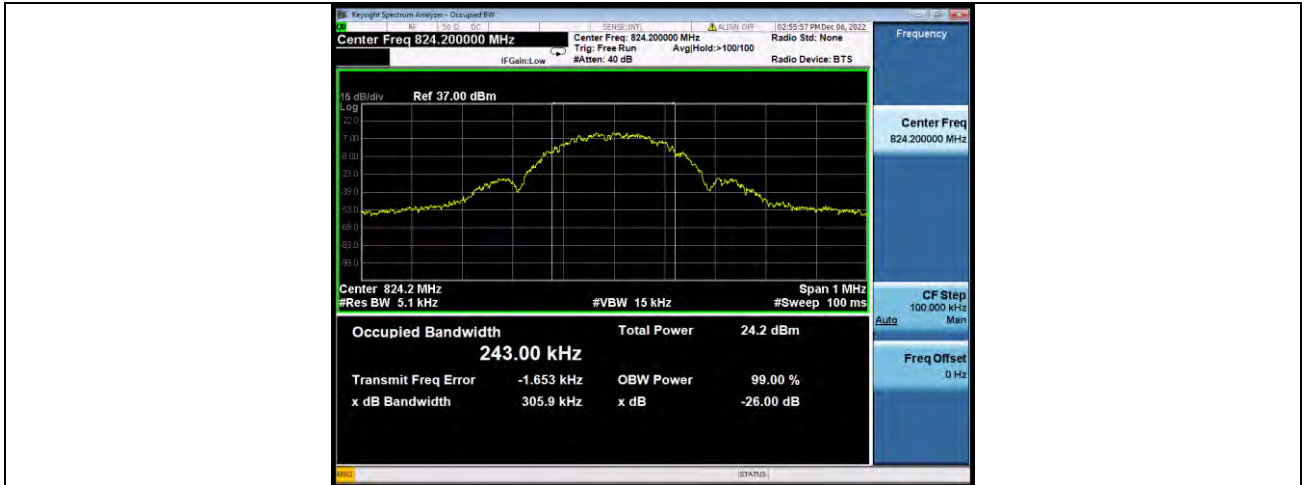


BUREAU VERITAS

Test Report No.: W7L-P23030016RF04

Test Graphs





EGSM850-189



EGSM850-251





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Test Report No.: W7L-P23030016RF04

BAND EDGE

Test Result

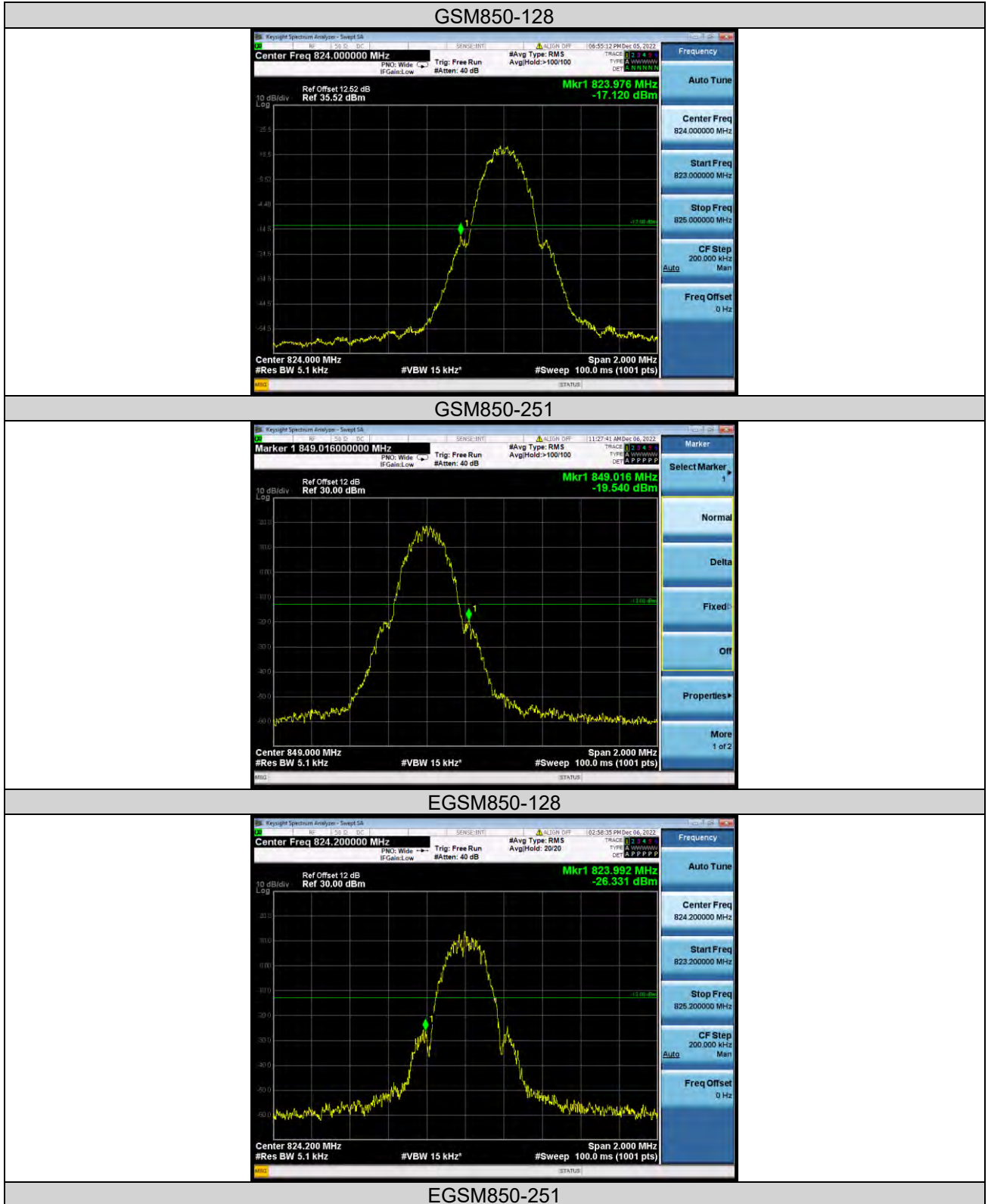
Band	Channel	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	823.98	-17.12	-13	PASS
GSM850	251	849.02	-19.54	-13	PASS
EGSM850	128	823.99	-26.33	-13	PASS
EGSM850	251	849.02	-28.15	-13	PASS



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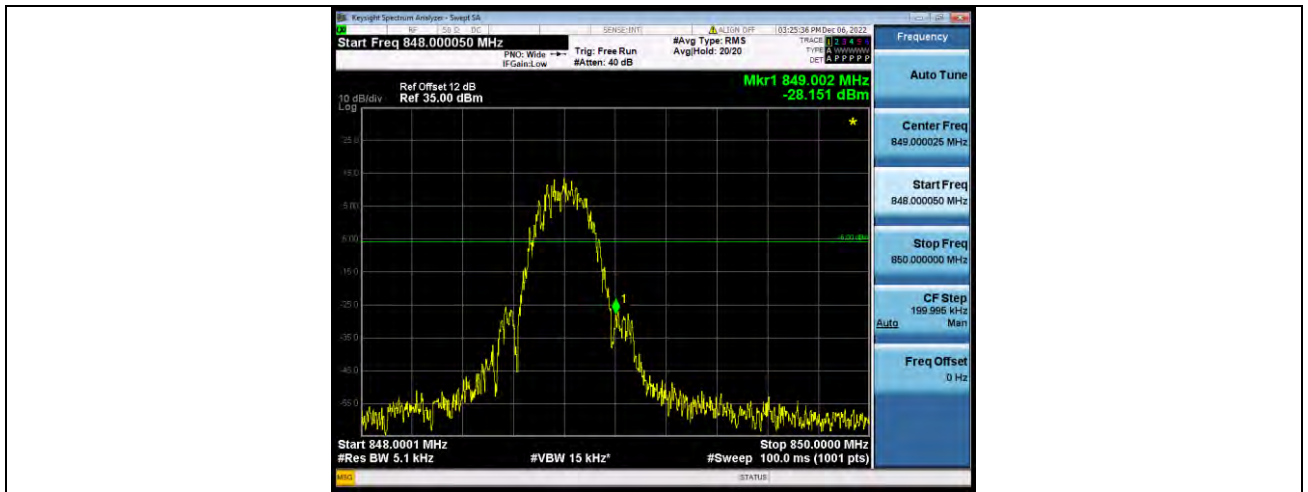
Test Graphs





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Test Report No.: W7L-P23030016RF04





CONDUCTED SPURIOUS EMISSION

Test Result

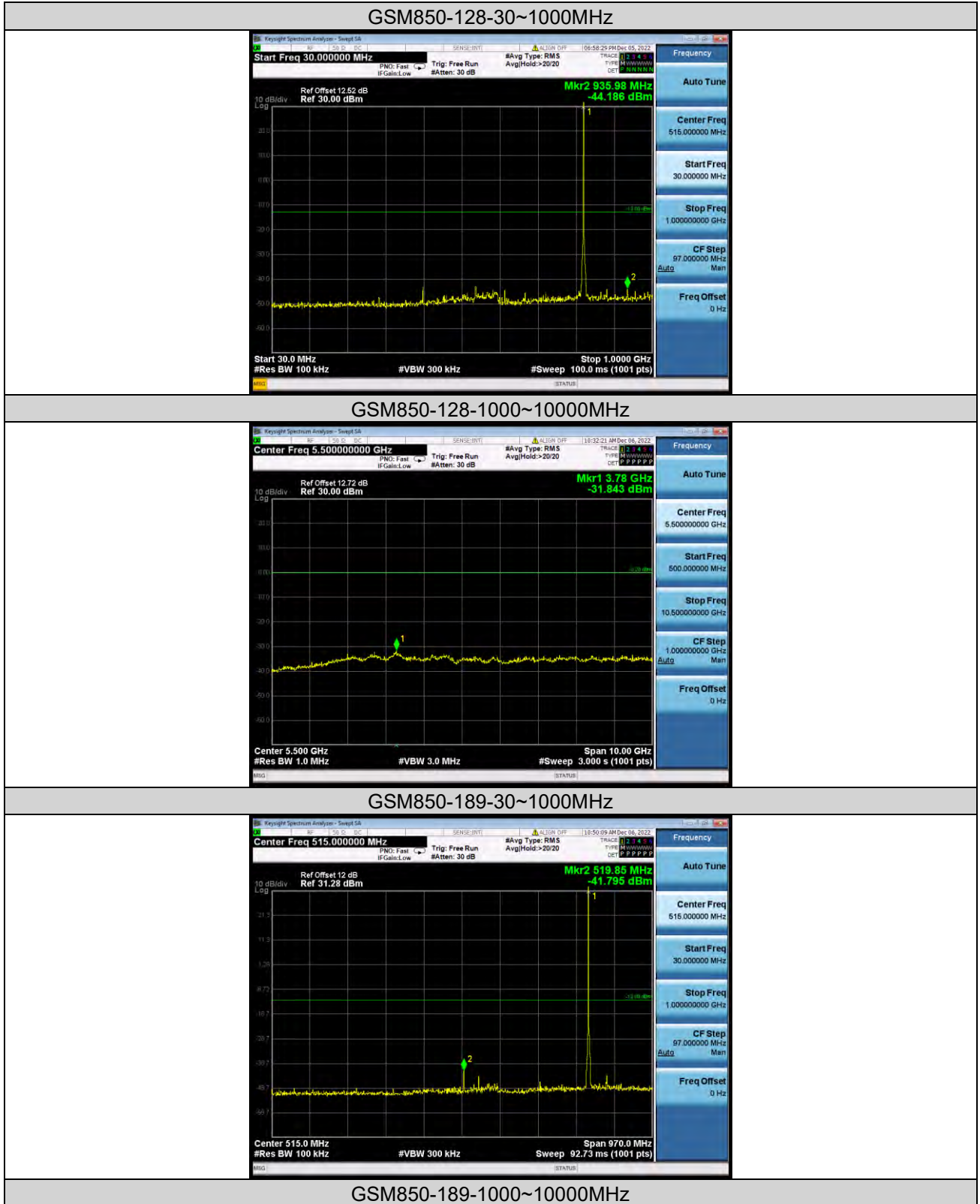
Band	Channel	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	189	30~1000MHz	935.98	-44.19	-13	PASS
GSM850	189	1000~10000MHz	3780	-31.84	-13	PASS
GSM850	128	30~1000MHz	519.85	-41.80	-13	PASS
GSM850	128	1000~10000MHz	2512	-35.18	-13	PASS
GSM850	251	30~1000MHz	519.85	-42.49	-13	PASS
GSM850	251	1000~10000MHz	2548	-35.53	-13	PASS
EGSM850	189	30~1000MHz	549.47	-42.45	-13	PASS
EGSM850	189	1000~10000MHz	2472.7	-27.39	-13	PASS
EGSM850	128	30~1000MHz	557.68	-40.34	-13	PASS
EGSM850	128	1000~10000MHz	2509.6	-21.92	-13	PASS
EGSM850	251	30~1000MHz	565.91	-37.96	-13	PASS
EGSM850	251	1000~10000MHz	3879.4	-23.47	-13	PASS



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Test Report No.: W7L-P23030016RF04

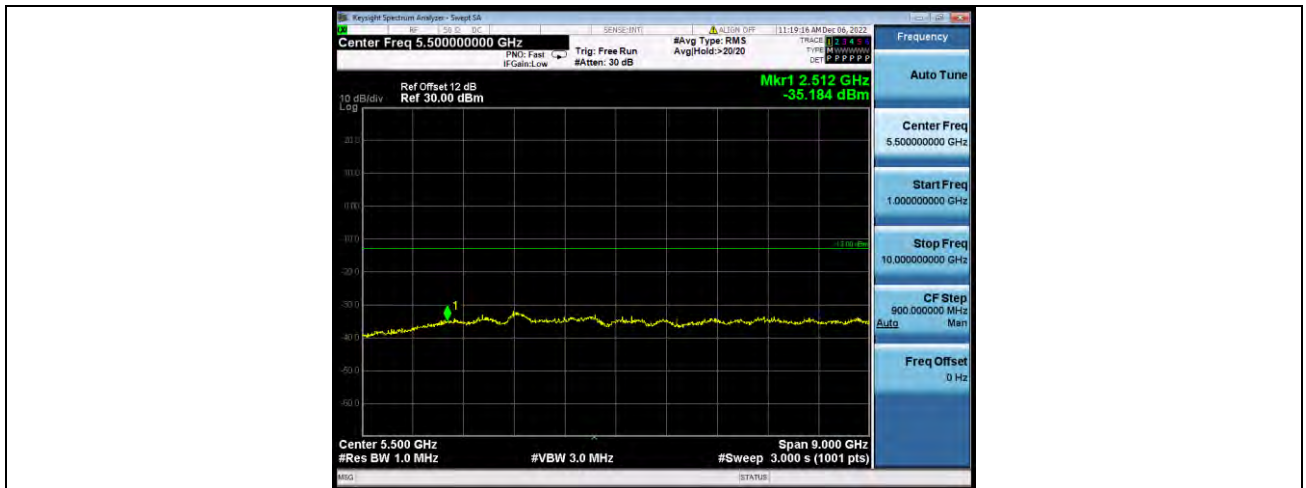
Test Graphs



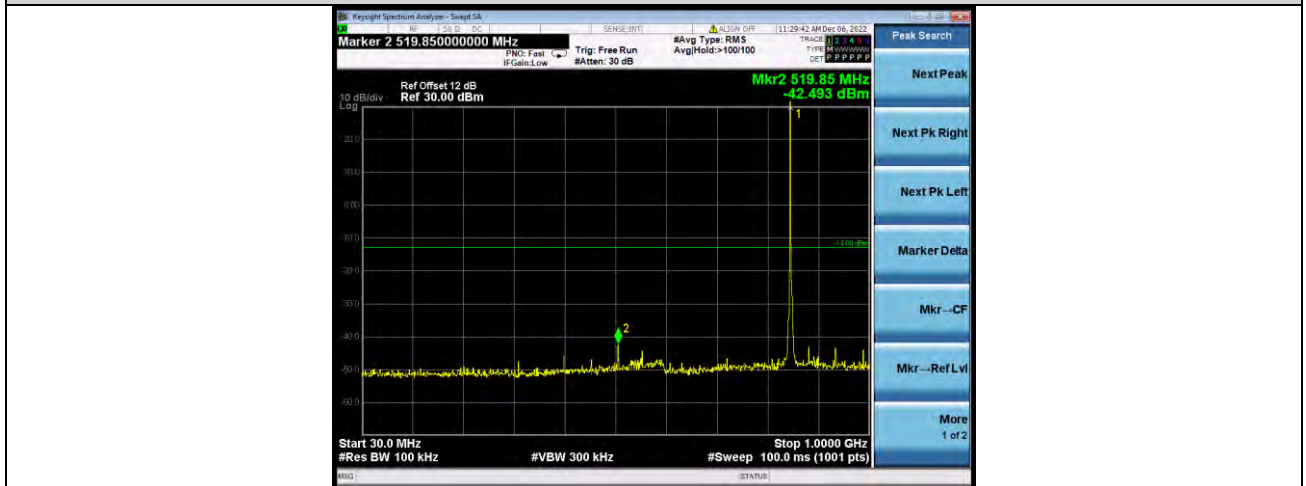


BUREAU VERITAS

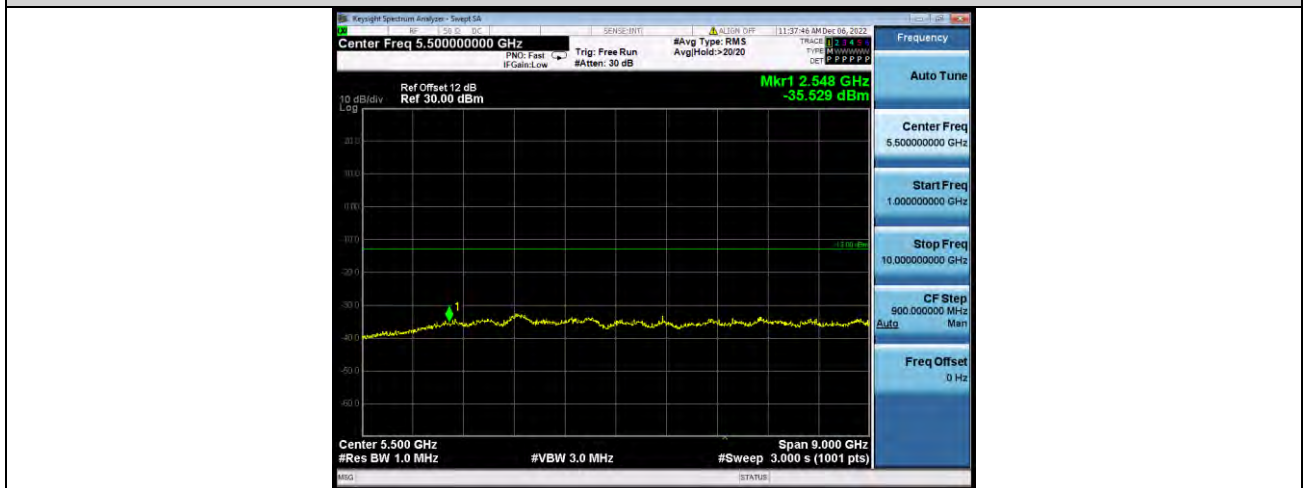
Test Report No.: W7L-P23030016RF04



GSM850-251-30~1000MHz



GSM850-251-1000~10000MHz

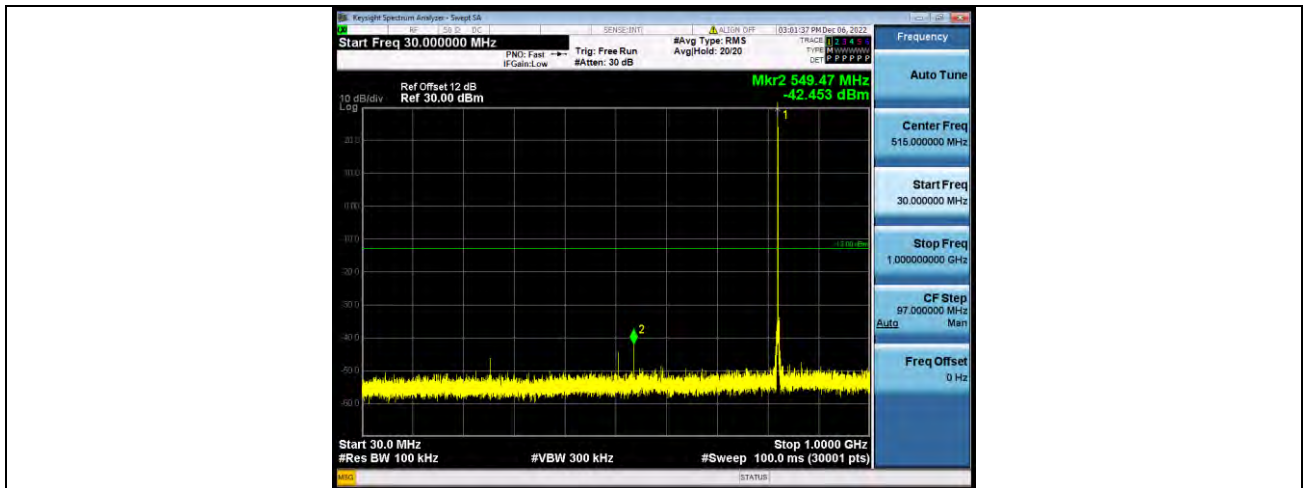


EGSM850-128-30~1000MHz

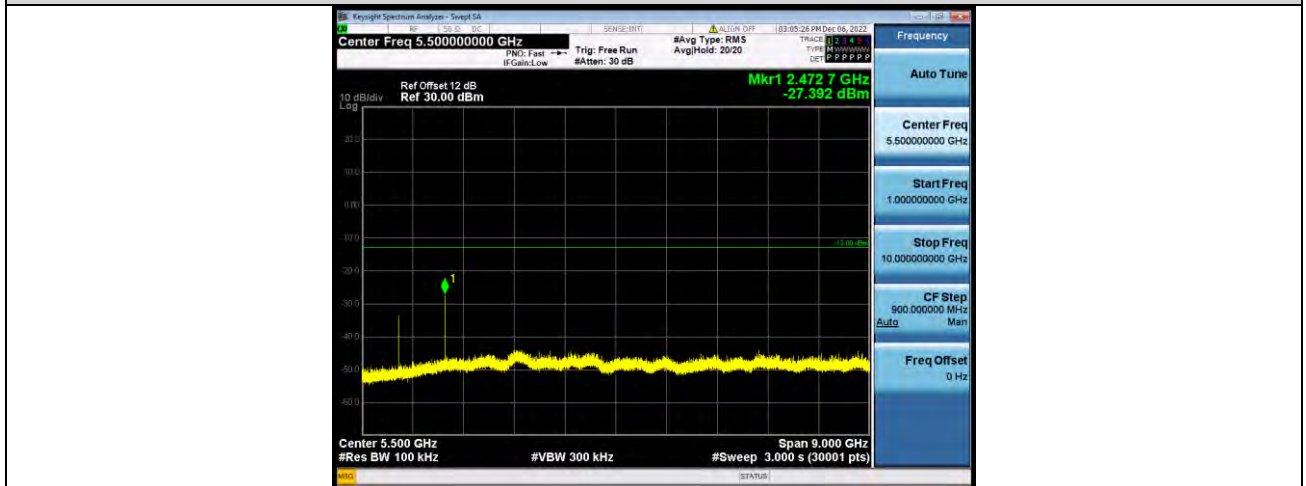


BUREAU VERITAS

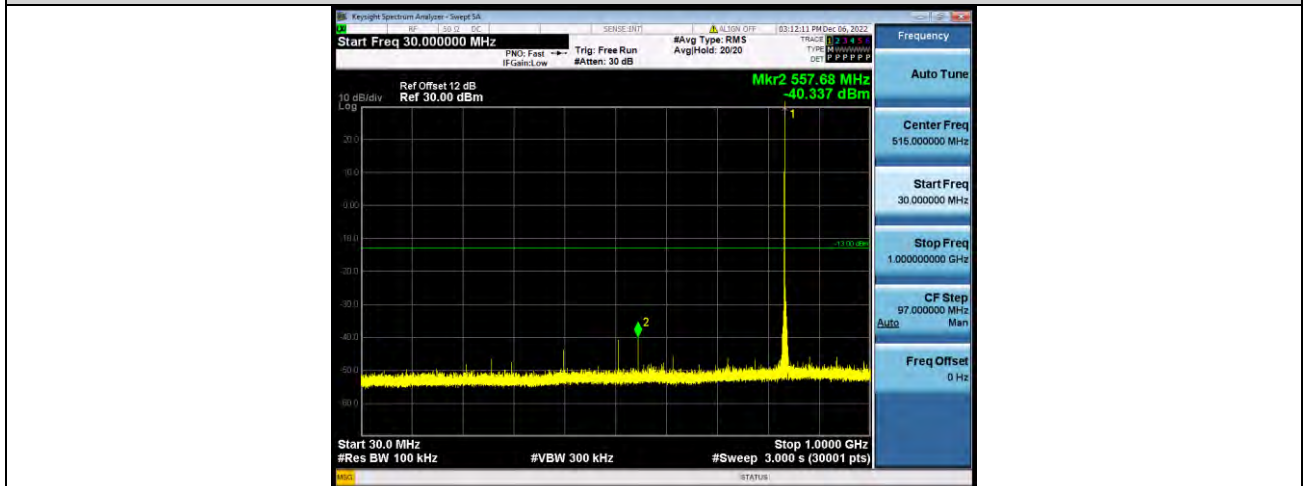
Test Report No.: W7L-P23030016RF04



EGSM850-128-1000~10000MHz



EGSM850-189-30~1000MHz

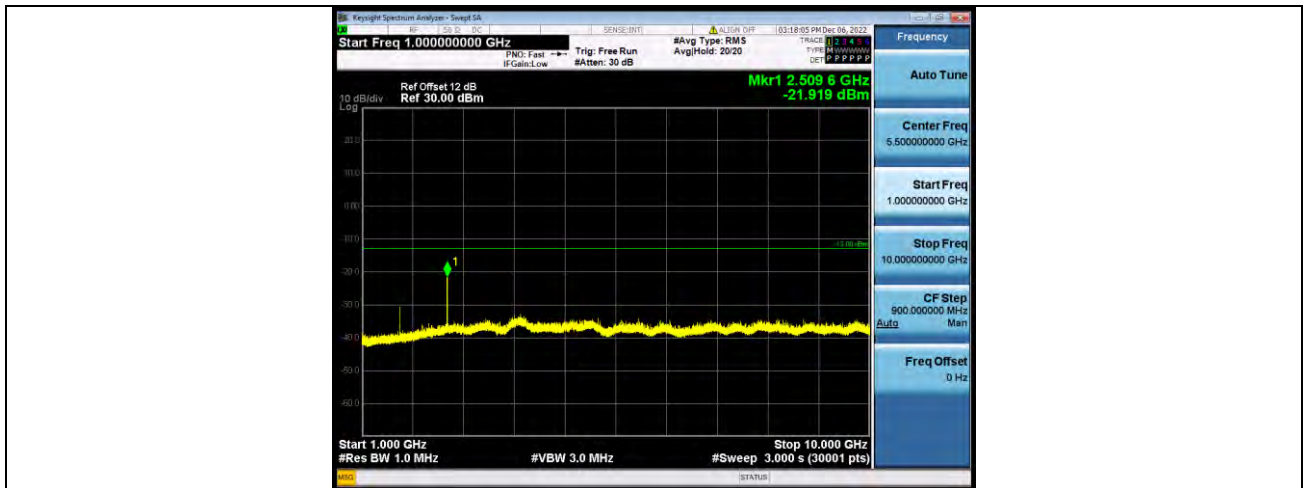


EGSM850-189-1000~10000MHz

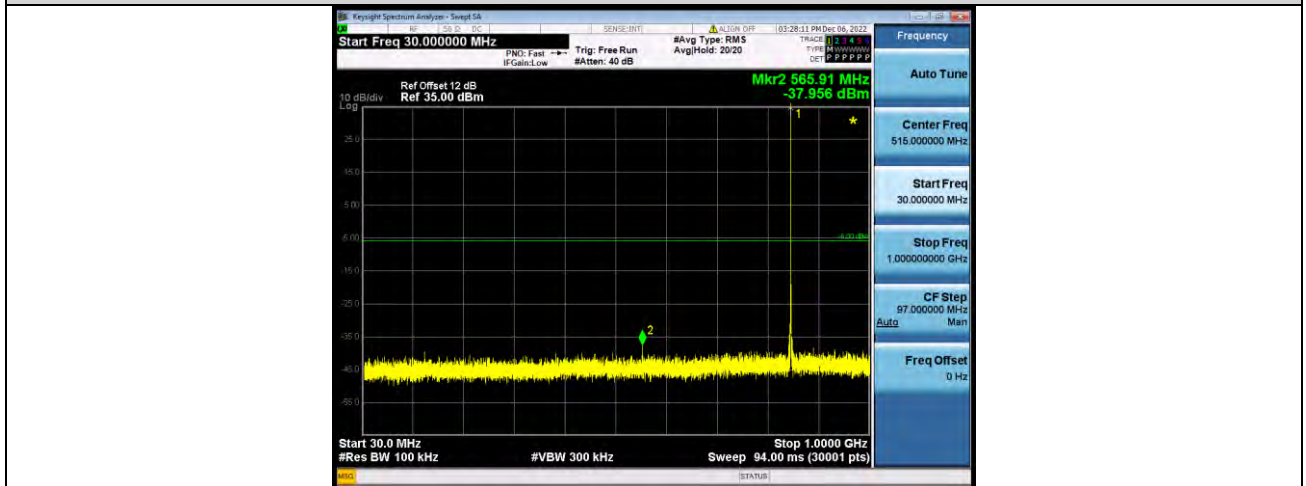


BUREAU VERITAS

Test Report No.: W7L-P23030016RF04



EGSM850-251-30~1000MHz



EGSM850-251-1000~1000MHz

