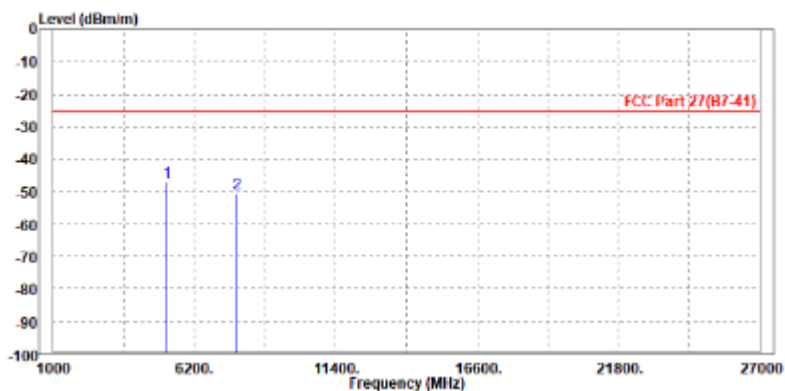


CH40620

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 PP	5186.000	-47.18	-56.26	-25.00	-22.18	9.08	Peak	Horizontal
2	7779.000	-50.69	-62.16	-25.00	-25.69	11.47	Peak	Horizontal

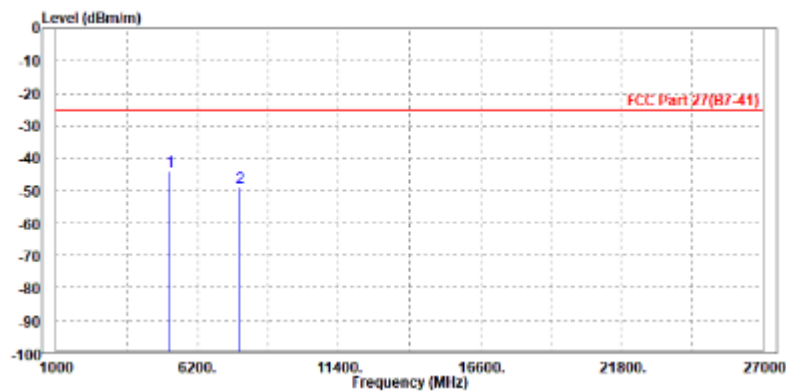




Test Report No.: W7L-P21040030RF17

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			

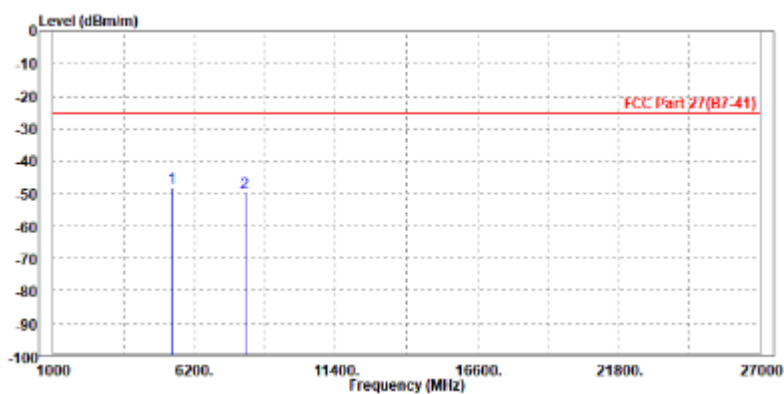
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-43.95	-53.78	-25.00	-18.95	9.83	Peak	Vertical
2	7779.000	-48.88	-61.73	-25.00	-23.88	12.85	Peak	Vertical



CH41540

MODE	TX channel 41540	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 5368.000	-48.47	-58.10	-25.00	-23.47	9.63	Peak	Horizontal
2	8055.000	-49.95	-61.56	-25.00	-24.95	11.61	Peak	Horizontal

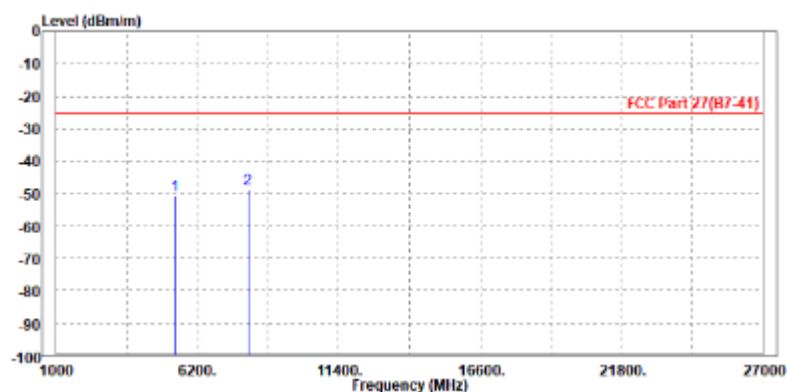




Test Report No.: W7L-P21040030RF17

MODE	TX channel 41540	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	-50.55	-60.31	-25.00	-25.55	9.76	Peak	Vertical
2	PP 8055.000	-48.68	-61.74	-25.00	-23.68	13.06	Peak	Vertical





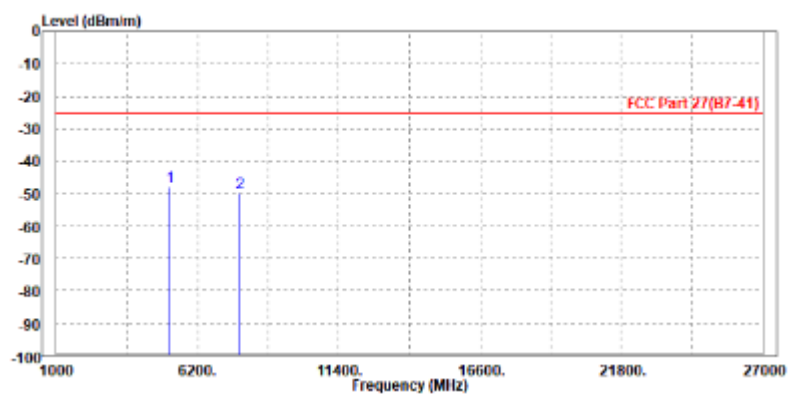
BUREAU
VERITAS

Test Report No.: W7L-P21040030RF17

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	Limit	Over			
		MHz	dBm/m	Level	Line	Limit	Factor	Remark	Pol/Phase
1	PP	5186.000	-47.77	-56.85	-25.00	-22.77	9.08	Peak	Horizontal
2		7779.000	-49.76	-61.23	-25.00	-24.76	11.47	Peak	Horizontal

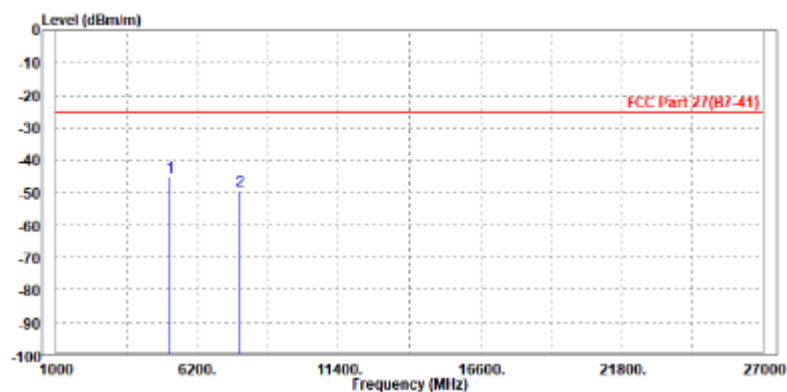




Test Report No.: W7L-P21040030RF17

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			

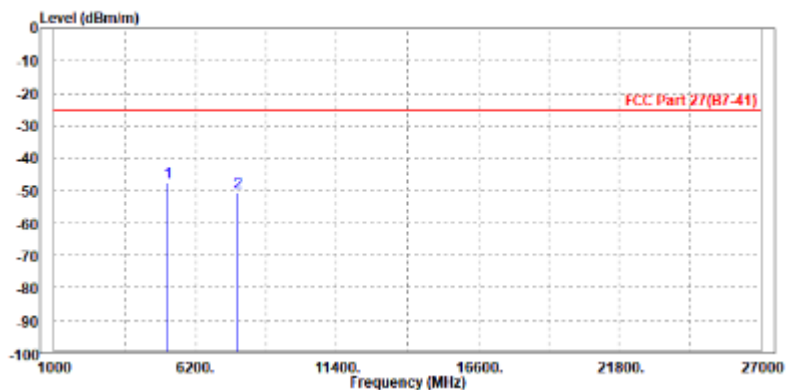
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-45.26	-55.09	-25.00	-20.26	9.83	Peak	Vertical
2	7779.000	-49.56	-62.41	-25.00	-24.56	12.85	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

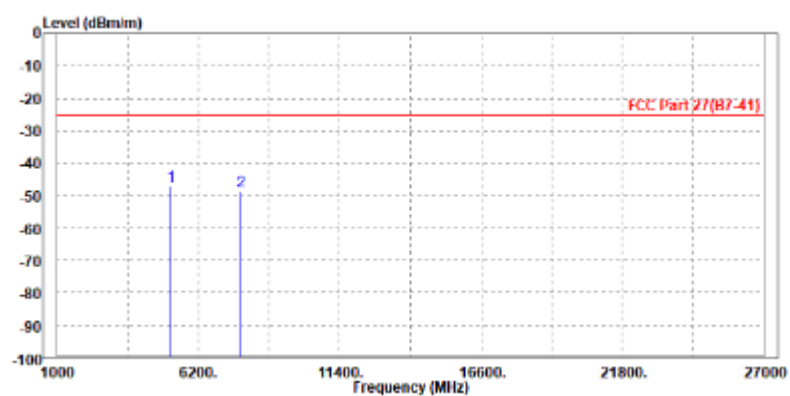
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5186.000	-47.53	-56.61	-25.00	-22.53	9.08	Peak	Horizontal
2	7779.000	-50.66	-62.13	-25.00	-25.66	11.47	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	PP	5186.000	-47.07	-56.90	-25.00	-22.07	9.83	Peak	Vertical
2		7779.000	-48.82	-61.67	-25.00	-23.82	12.85	Peak	Vertical

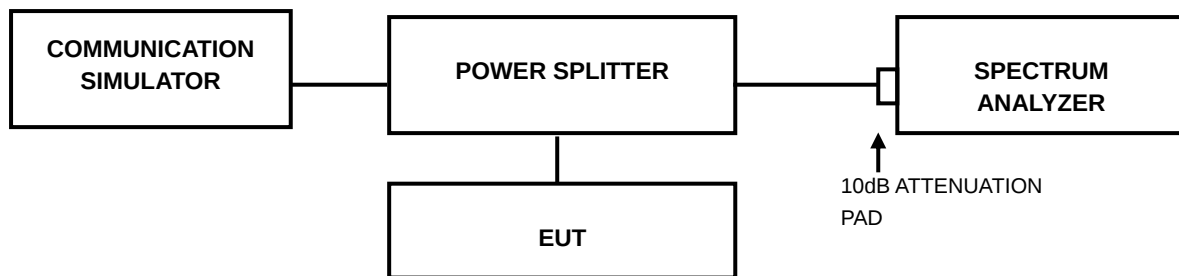


3.7 PEAK TO AVERAGE RATIO

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%.

3.7.4 TEST RESULTS

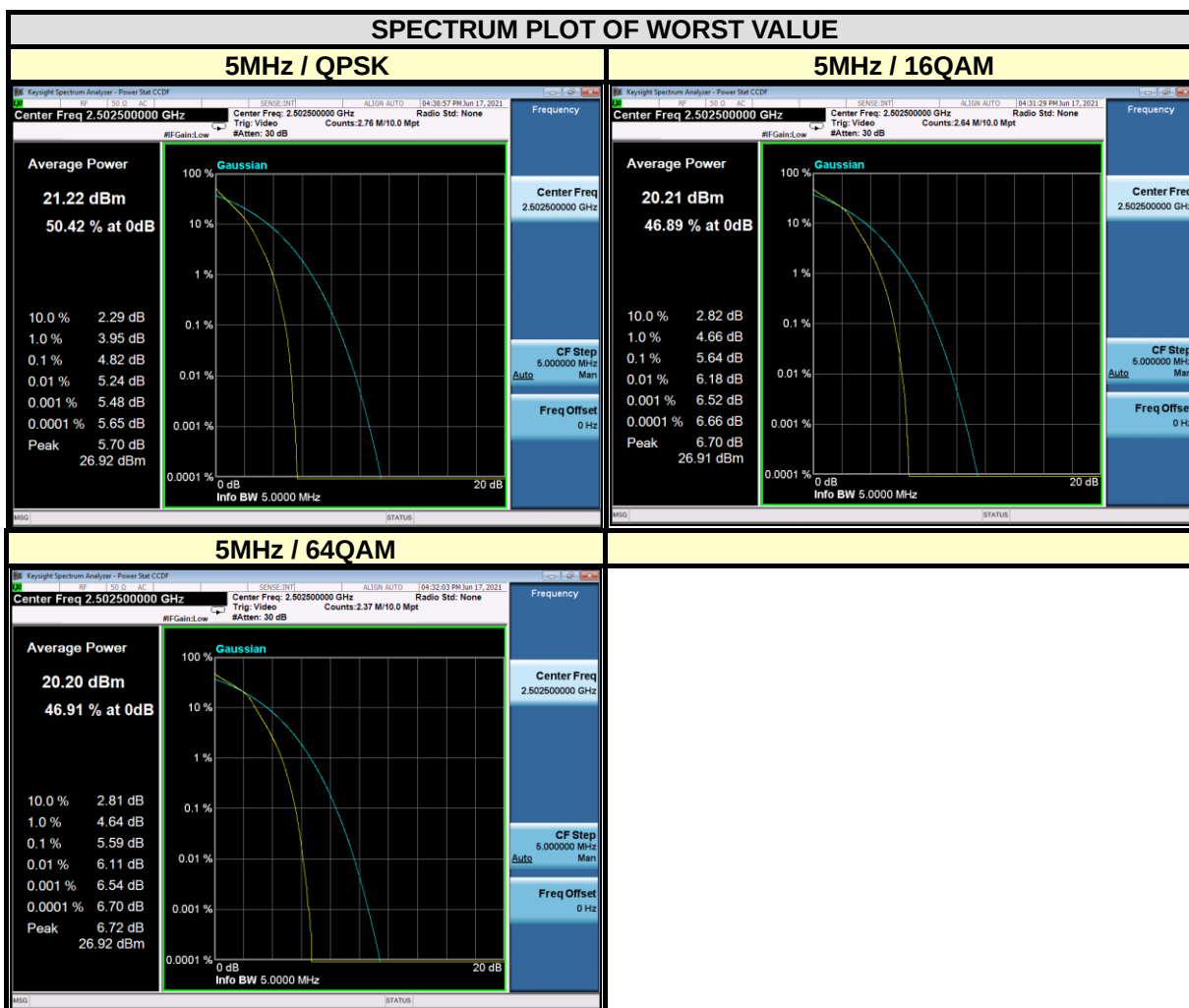
WCDMA BAND IV

CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
1312	1712.40	2.75
1413	1732.60	2.81
1513	1752.60	2.80

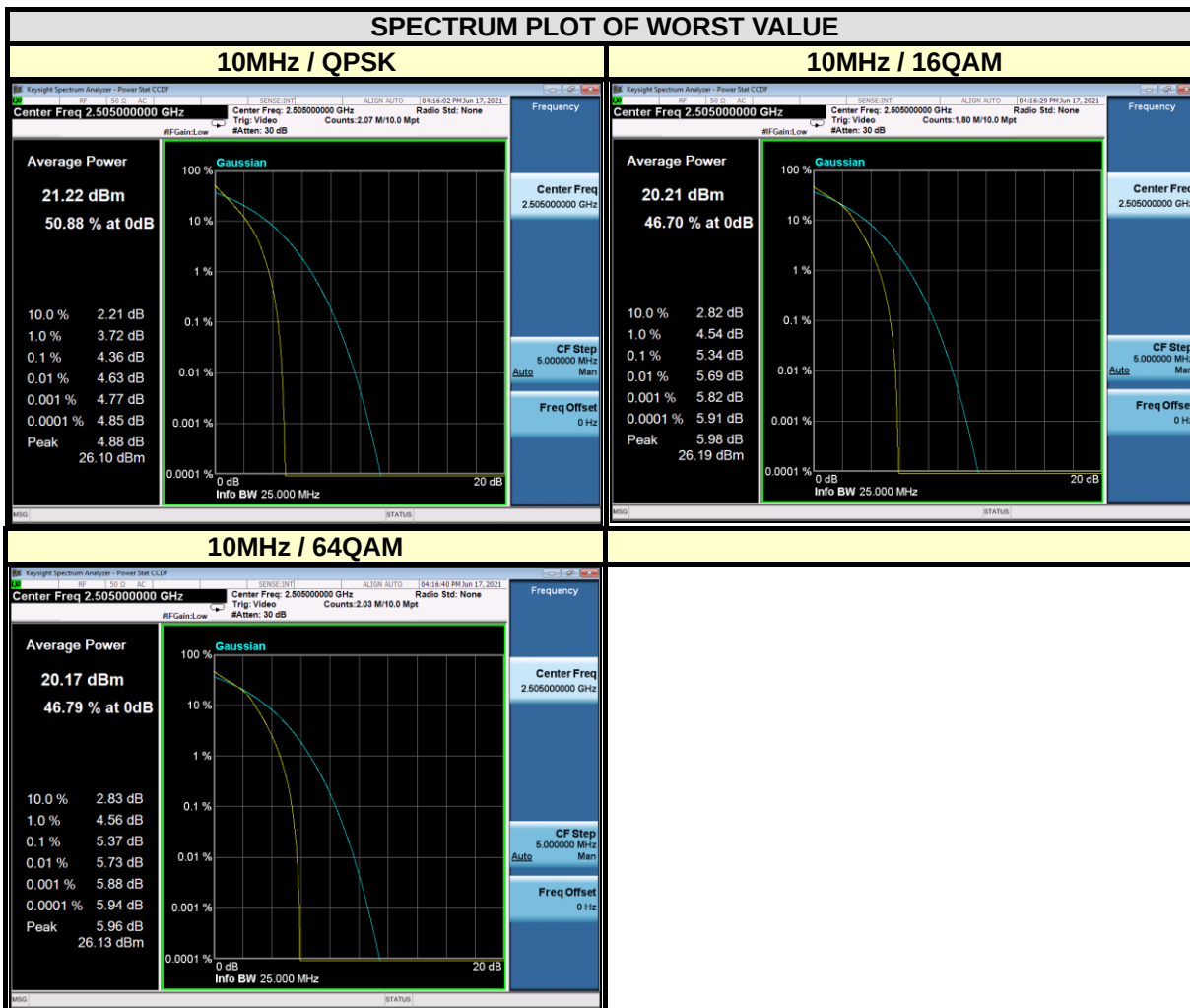


LTE BAND 7

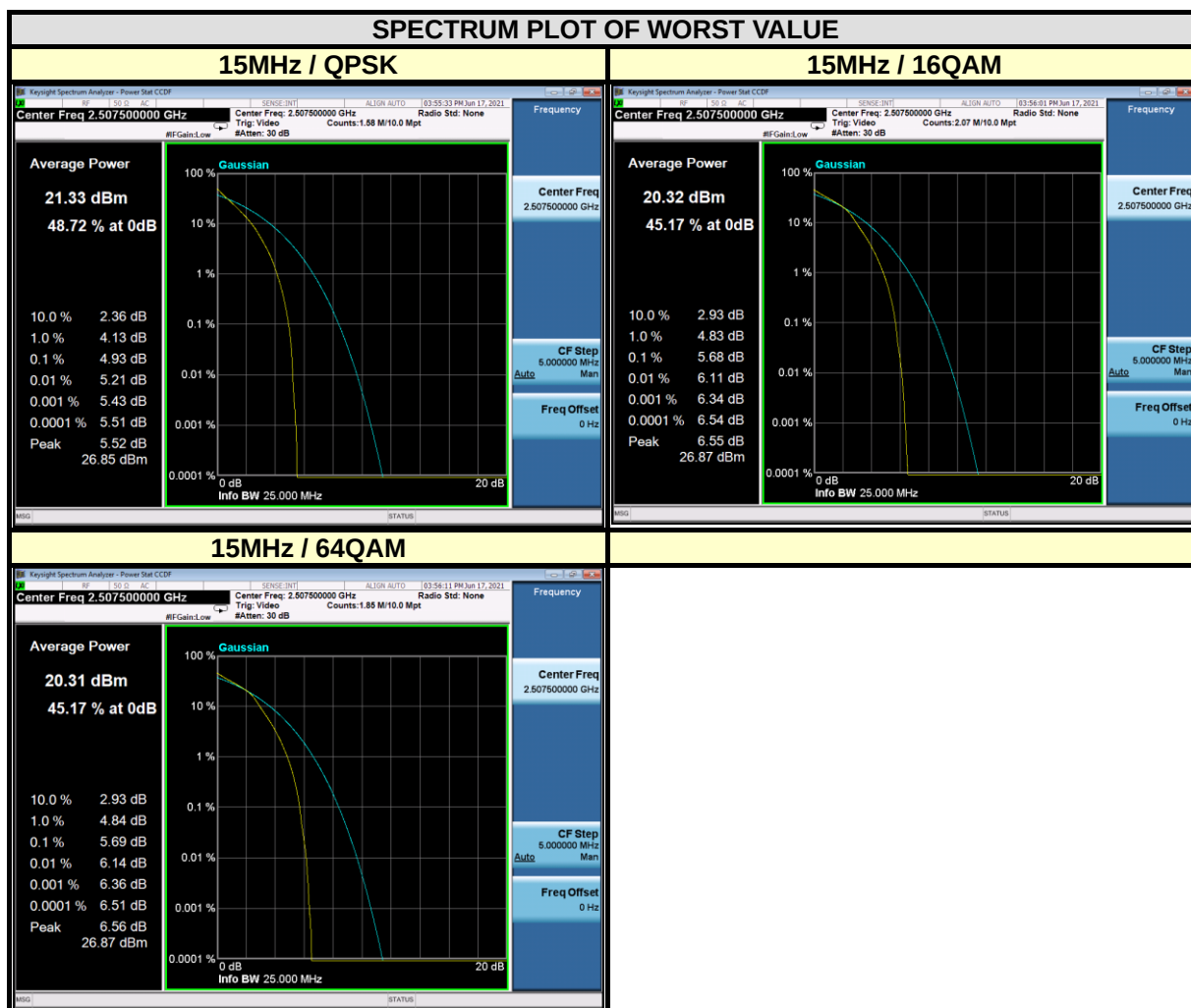
CHANNEL BANDWIDTH: 5MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
20775	2502.5	4.82	5.64	5.59
21100	2535	4.05	5.01	5.00
21425	2567.5	4.19	5.16	5.16



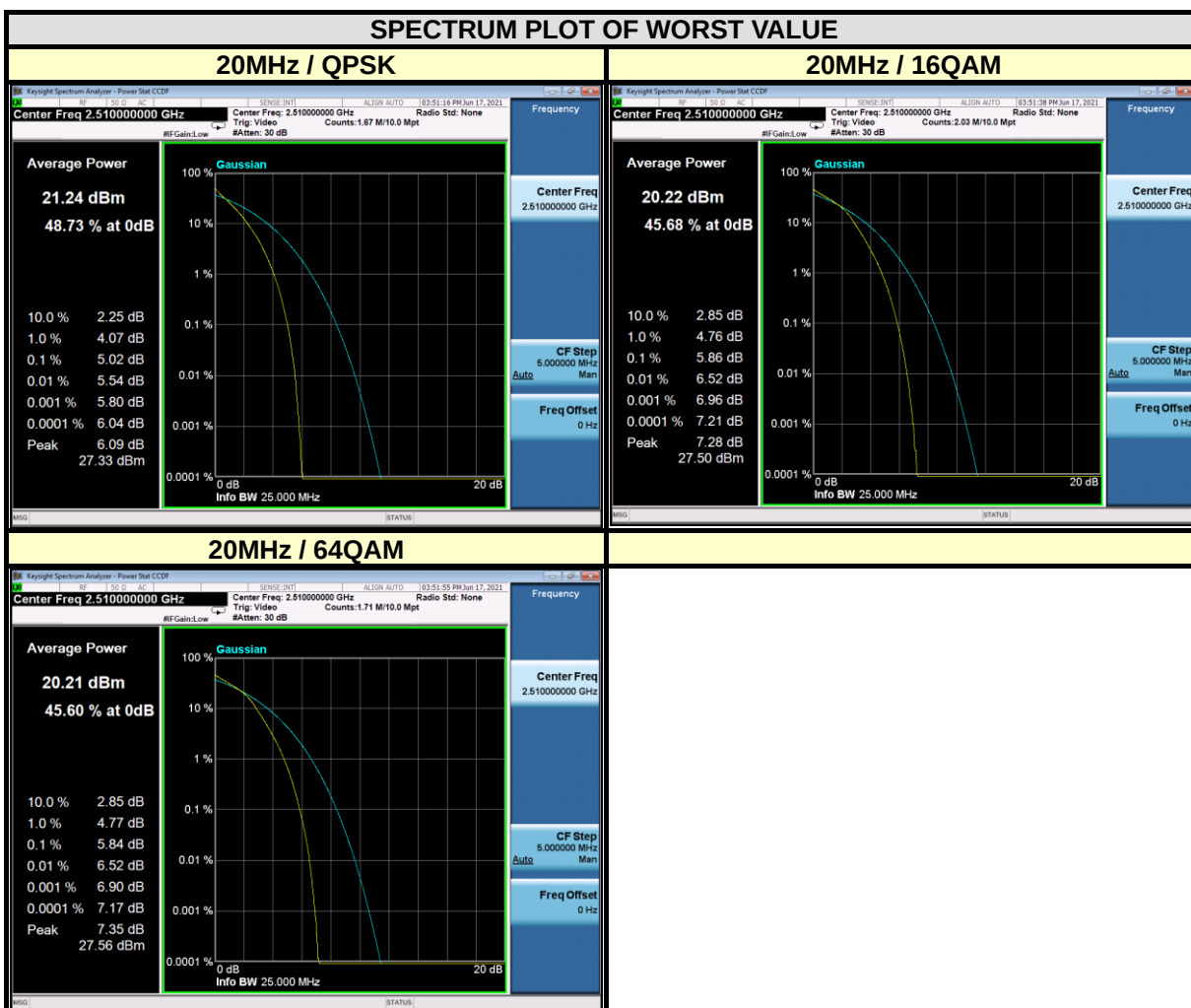
CHANNEL BANDWIDTH: 10MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
20800	2505	4.36	5.34	5.37
21100	2535	3.08	4.63	4.58
21400	2565	3.56	4.82	4.78



CHANNEL BANDWIDTH: 15MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
20825	2507.5	4.93	5.68	5.69
21100	2535	4.27	5.19	5.20
21375	2562.5	4.41	5.37	5.39

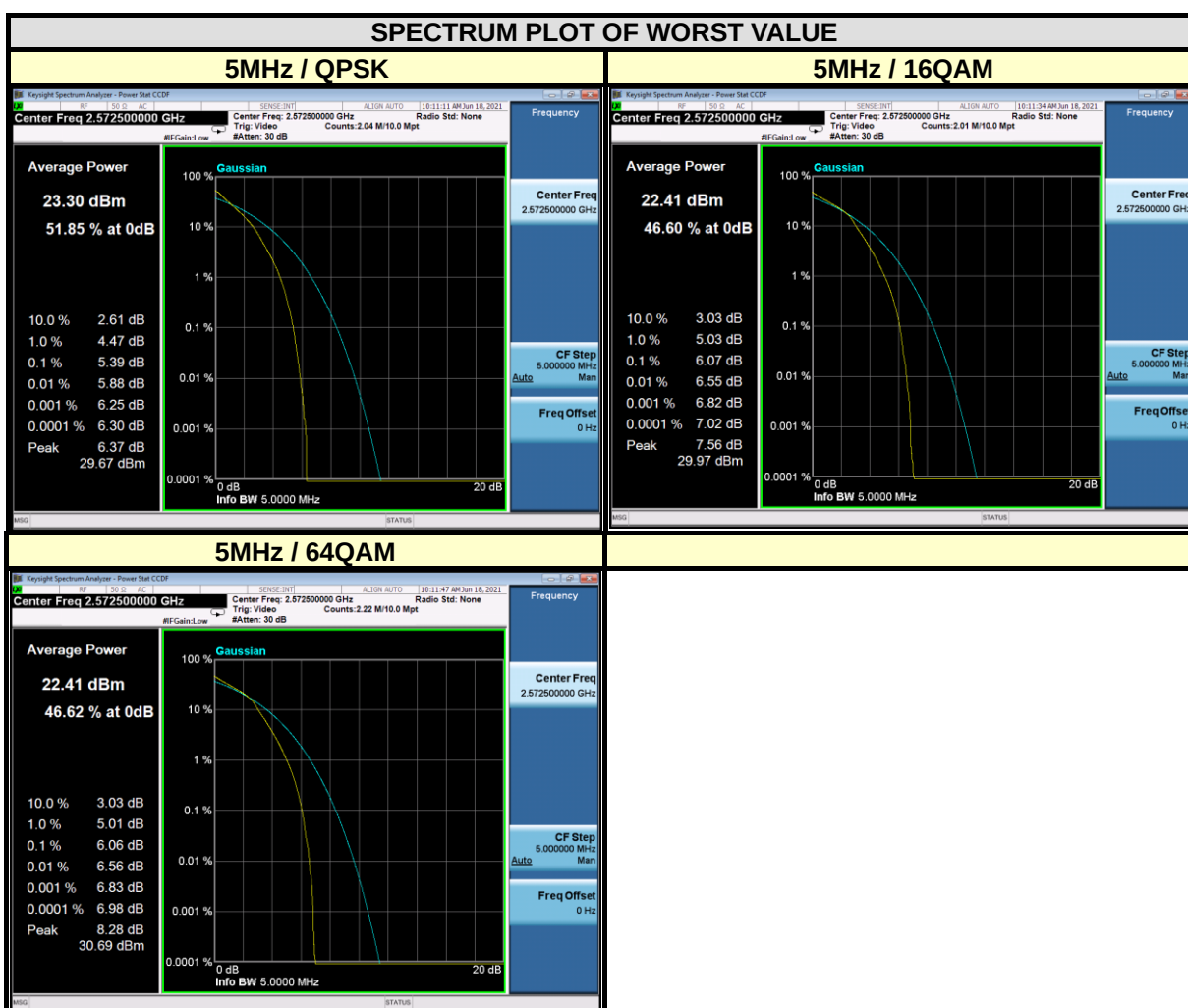


CHANNEL BANDWIDTH: 20MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
20850	2510	5.02	5.86	5.84
21100	2535	4.63	5.50	5.49
21350	2560	4.68	5.57	5.57

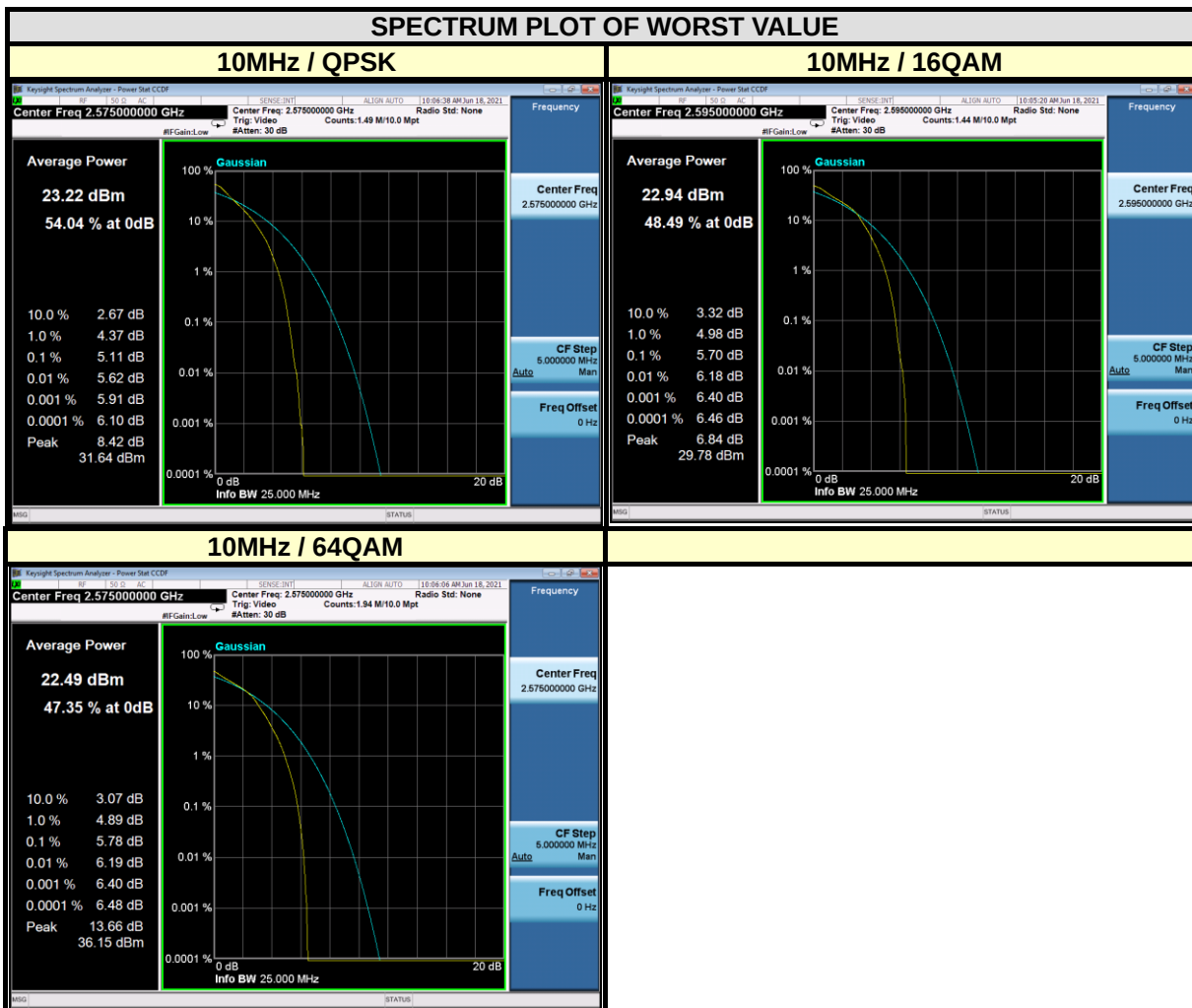


LTE BAND 38

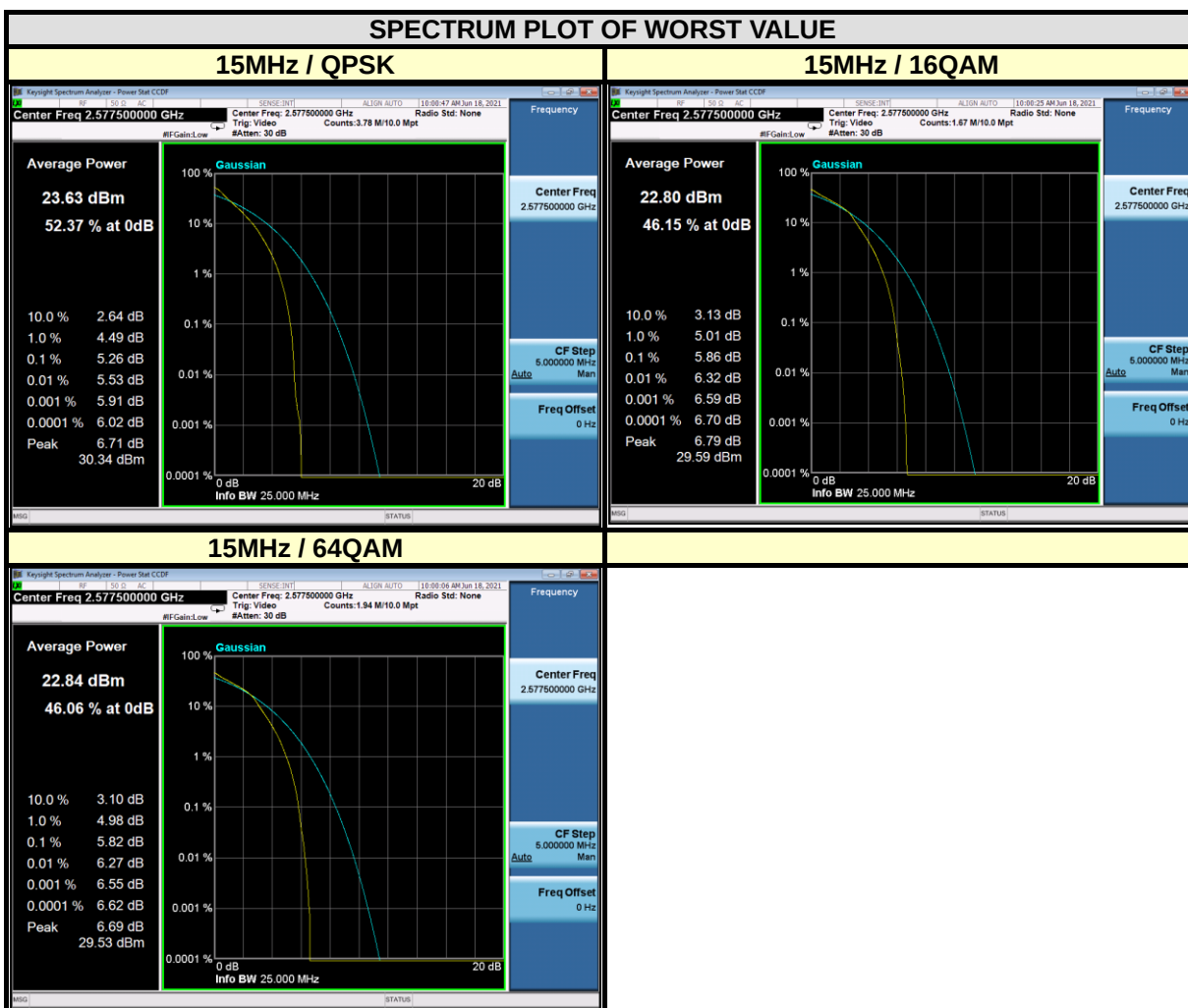
CHANNEL BANDWIDTH: 5MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
37775	2572.5	5.39	6.07	6.06
38000	2595	5.33	5.83	5.80
38225	2617.5	4.96	5.54	5.39



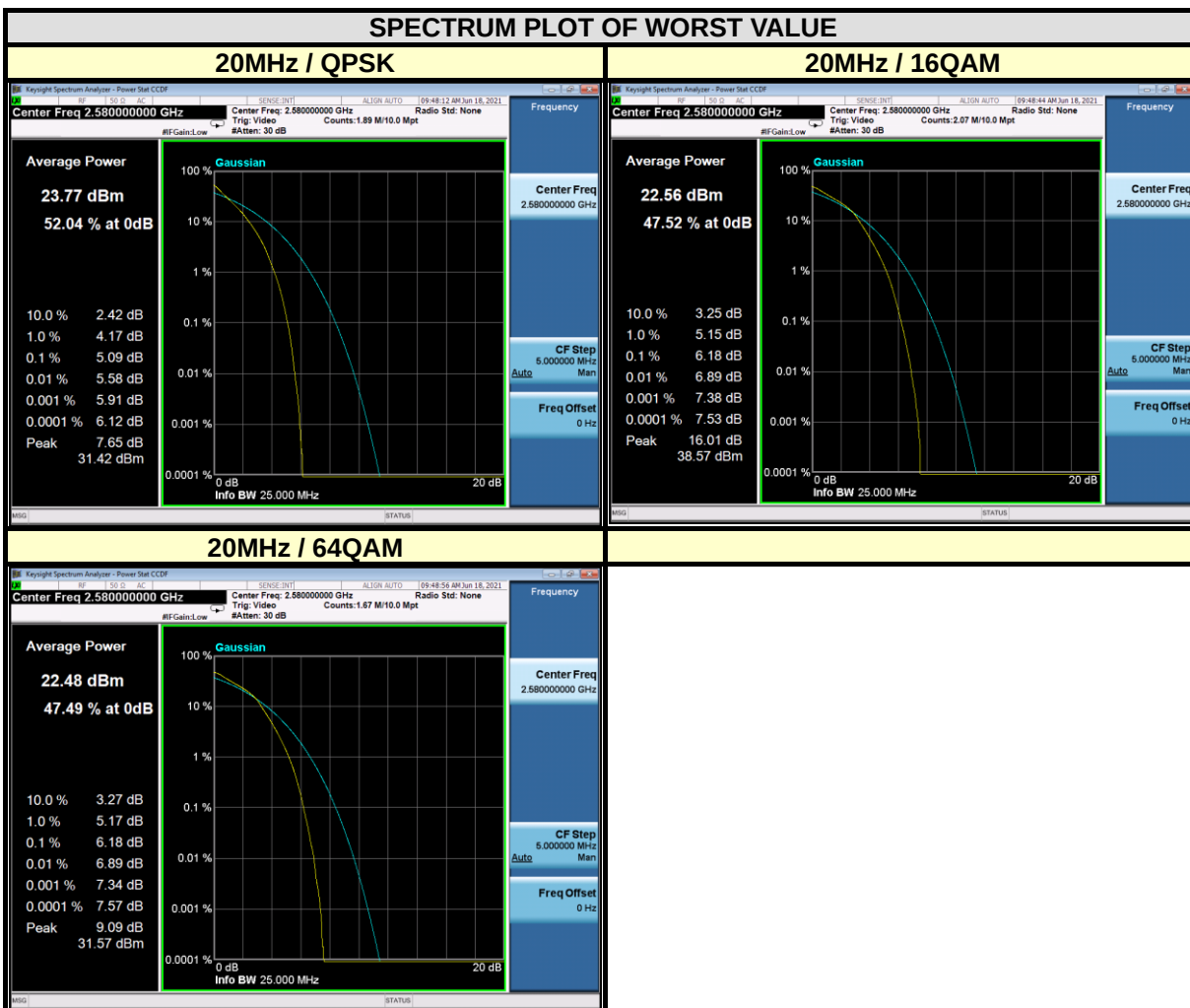
CHANNEL BANDWIDTH: 10MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
37800	2575	5.11	5.63	5.78
38000	2595	4.28	5.70	5.59
38200	2615	4.17	5.03	5.36



CHANNEL BANDWIDTH: 15MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
37825	2577.5	5.26	5.86	5.82
38000	2595	4.85	5.83	5.64
38175	2612.5	4.96	5.64	5.57

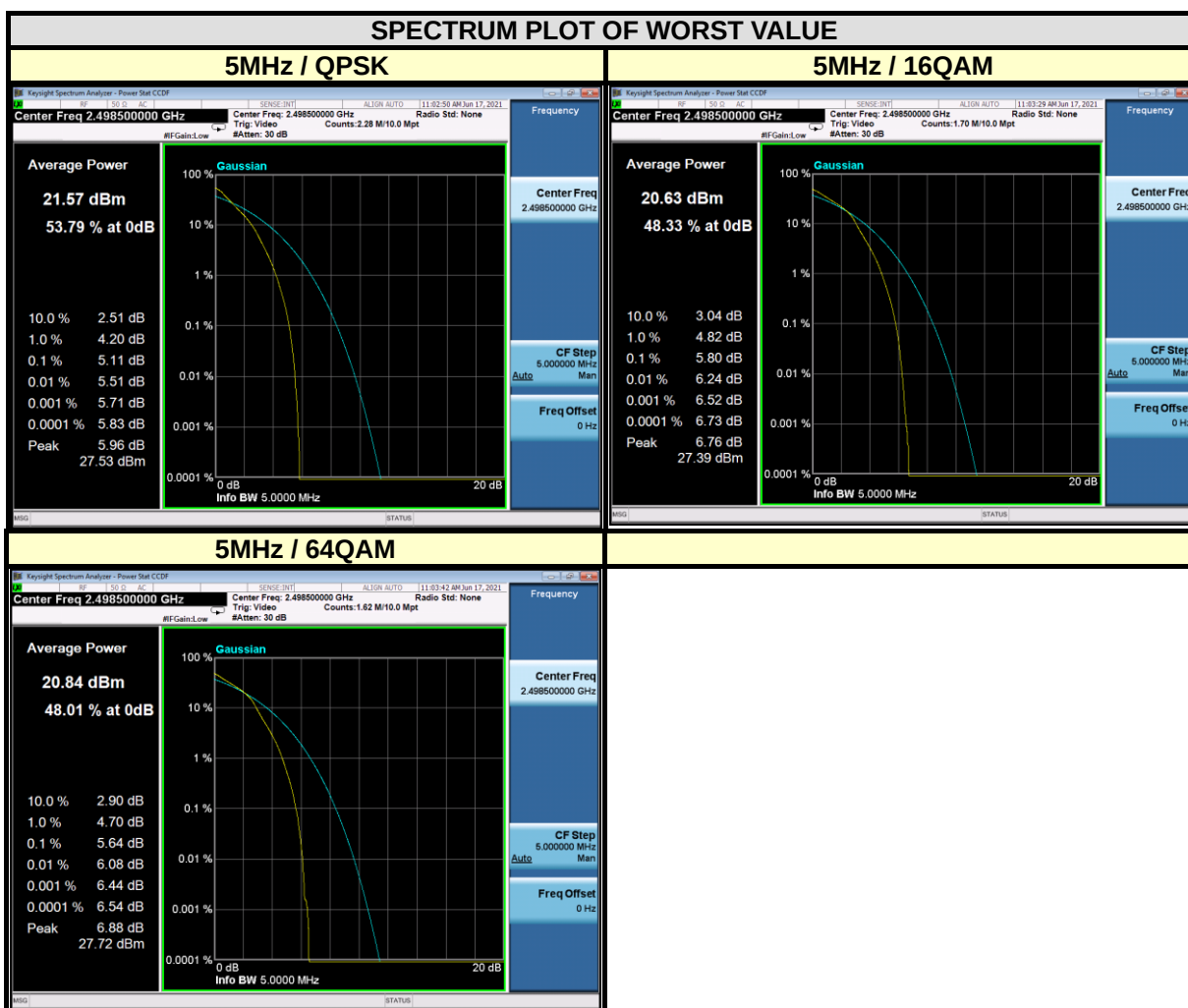


CHANNEL BANDWIDTH: 20MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
37850	2580	5.09	6.18	6.18
38000	2595	4.86	5.72	5.63
38150	2610	4.87	5.95	5.69

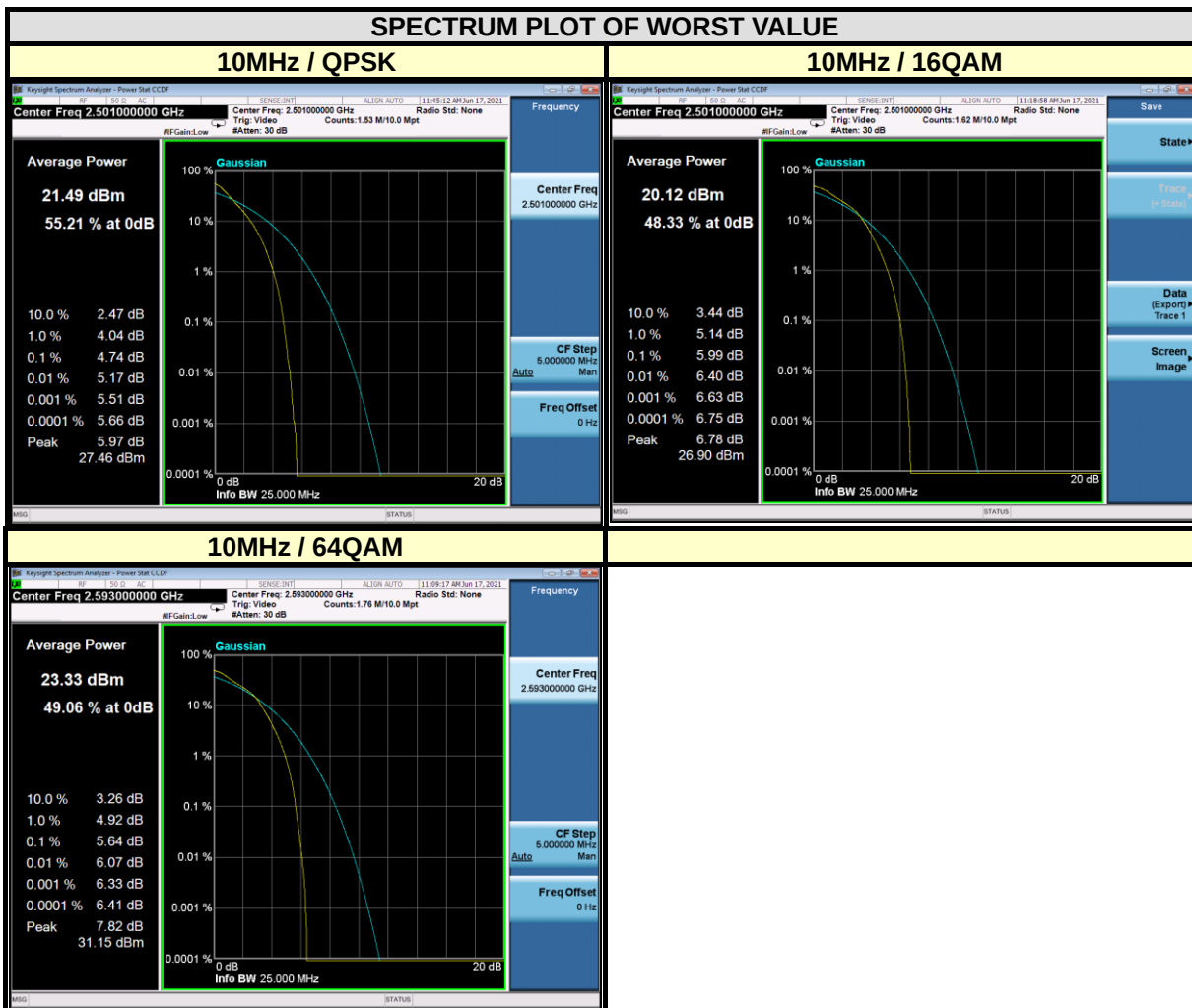


LTE BAND 41

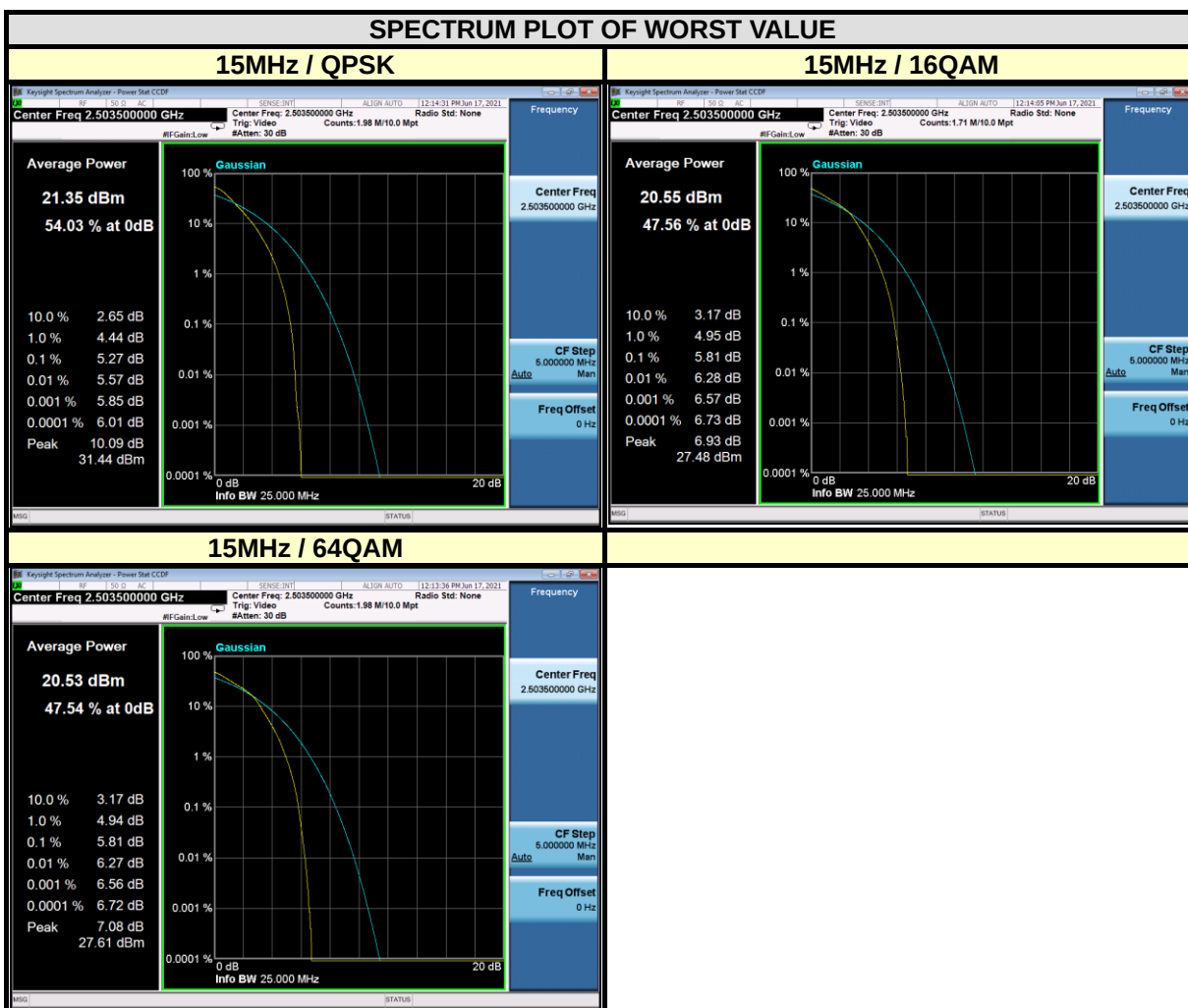
CHANNEL BANDWIDTH: 5MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
39675	2498.5	5.11	5.80	5.64
40620	2593	5.08	5.65	5.60
41565	2687.5	3.67	4.27	4.35



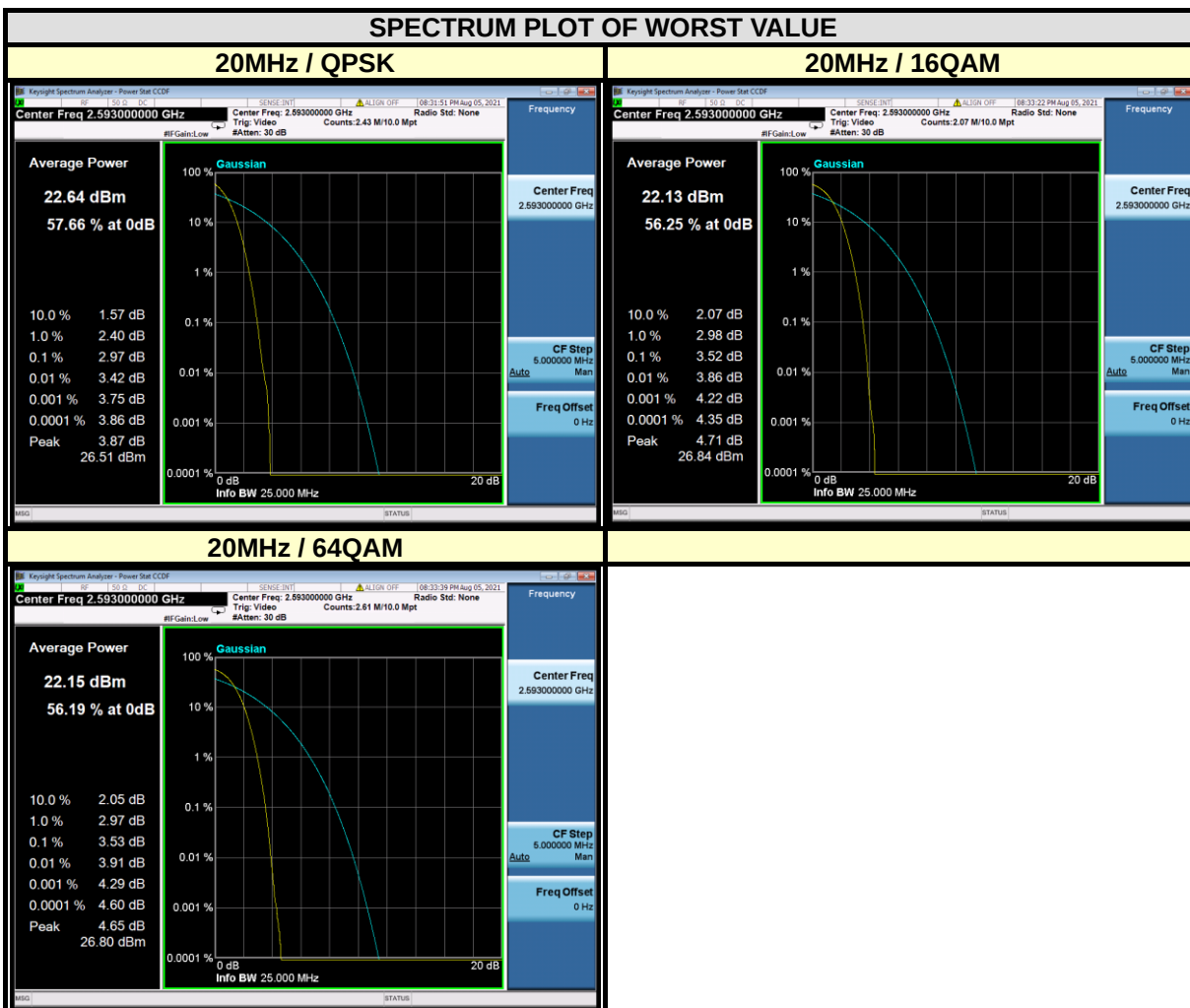
CHANNEL BANDWIDTH: 10MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
39700	2501	4.74	5.99	5.56
40620	2593	4.17	5.53	5.64
41540	2685	2.66	3.40	3.54



CHANNEL BANDWIDTH: 15MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
39725	2503.5	5.27	5.81	5.81
40620	2593	5.14	5.58	5.62
41515	2682.5	3.44	4.52	4.51



CHANNEL BANDWIDTH: 20MHz				
CHANNEL	Frequency (MHz)	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM	64QAM
39750	2506	3.31	3.78	3.86
40620	2593	4.95	5.72	5.81
41490	2680	3.22	3.95	3.66





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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 APPENDIX A – 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.

---END---