

Appendix I: Test Data for E-UTRA Band 71

Product Name: Stackable multifunction charging station

Trade Mark: /

Test Model: SD-C9

Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

I.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.82	22.03	PASS
		1	12	23.73	22.77	PASS
		1	24	23.47	22.38	PASS
		12	0	23.94	22.93	PASS
		12	6	23.63	22.31	PASS
		12	13	23.86	22.23	PASS
		25	0	23.32	22.41	PASS
	MCH	1	0	23.99	22.56	PASS
		1	12	23.79	22.37	PASS
		1	24	23.59	22.74	PASS
		12	0	23.14	22.92	PASS
		12	6	23.86	22.21	PASS
		12	13	23.91	22.52	PASS
		25	0	23.34	22.69	PASS
	HCH	1	0	23.16	22.07	PASS
		1	12	23.33	22.79	PASS
		1	24	23.78	22.80	PASS
		12	0	23.53	22.04	PASS
		12	6	23.83	22.95	PASS
		12	13	23.85	22.94	PASS
		25	0	23.96	22.56	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.17	22.26	PASS
		1	24	23.63	22.00	PASS
		1	49	23.02	22.96	PASS
		25	0	23.54	22.53	PASS
		25	12	23.30	22.22	PASS
		25	25	23.25	22.17	PASS
		50	0	23.98	22.75	PASS
	MCH	1	0	23.94	22.46	PASS
		1	24	23.04	22.27	PASS
		1	49	23.07	22.34	PASS
		25	0	23.86	22.64	PASS
		25	12	23.64	22.14	PASS
		25	25	23.90	22.95	PASS
		50	0	23.67	22.68	PASS
	HCH	1	0	23.49	22.42	PASS
		1	24	23.11	22.95	PASS
		1	49	23.36	22.98	PASS
		25	0	23.88	22.31	PASS
		25	12	23.43	22.93	PASS
		25	25	23.83	22.81	PASS
		50	0	23.14	22.38	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.84	22.59	PASS
		1	37	23.84	22.81	PASS
		1	74	23.58	22.40	PASS
		37	0	23.63	22.62	PASS
		37	18	23.08	22.71	PASS
		37	38	23.62	22.73	PASS
		75	0	23.73	22.56	PASS
	MCH	1	0	23.80	22.04	PASS
		1	37	23.61	22.46	PASS
		1	74	24.00	22.20	PASS
		37	0	23.57	22.30	PASS

		37	18	23.25	22.63	PASS
		37	38	23.30	22.71	PASS
		75	0	23.70	22.36	PASS
	HCH	1	0	23.40	22.19	PASS
		1	37	23.80	22.56	PASS
		1	74	23.13	22.92	PASS
		37	0	23.82	22.13	PASS
		37	18	23.78	22.36	PASS
		37	38	23.99	22.58	PASS
		75	0	23.58	22.00	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.40	22.06	PASS
		1	49	23.28	22.70	PASS
		1	99	23.59	22.28	PASS
		50	0	23.18	22.03	PASS
		50	25	23.72	22.69	PASS
		50	50	23.86	22.32	PASS
		100	0	23.90	22.98	PASS
	MCH	1	0	23.74	22.39	PASS
		1	49	23.33	22.13	PASS
		1	99	23.12	22.36	PASS
		50	0	23.29	22.18	PASS
		50	25	23.04	22.07	PASS
		50	50	23.24	22.66	PASS
		100	0	24.00	22.33	PASS
	HCH	1	0	23.56	22.42	PASS
		1	49	23.53	22.17	PASS
		1	99	23.41	22.34	PASS
		50	0	23.86	22.21	PASS
		50	25	23.08	22.61	PASS
		50	50	23.11	22.95	PASS
		100	0	23.79	22.85	PASS

I.2 : Peak-to-Average Ratio (CCDF)

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.01	<13	PASS
	MCH	4.23	<13	PASS
	HCH	4.57	<13	PASS
16QAM	LCH	4.00	<13	PASS
	MCH	4.25	<13	PASS
	HCH	4.57	<13	PASS

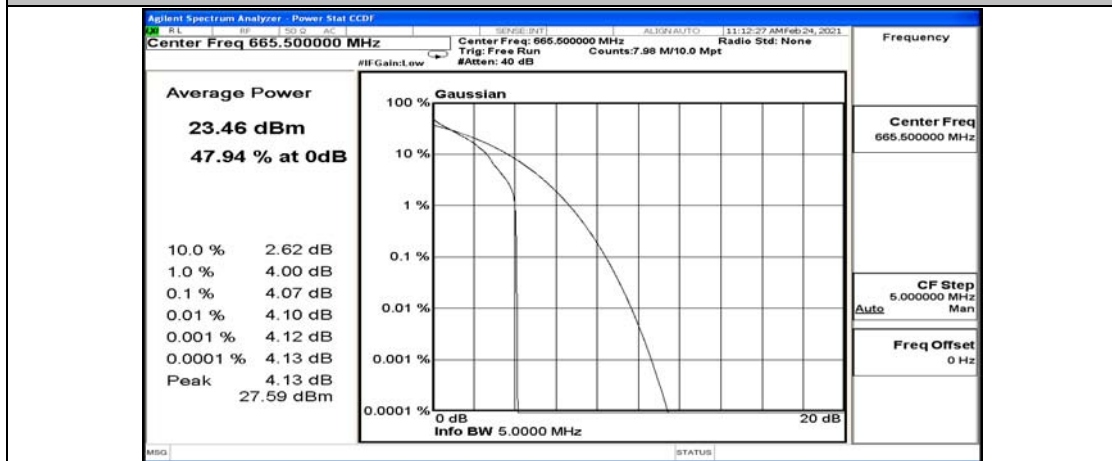
Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.18	<13	PASS
	MCH	4.28	<13	PASS
	HCH	5.15	<13	PASS
16QAM	LCH	5.18	<13	PASS
	MCH	4.26	<13	PASS
	HCH	5.13	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.01	<13	PASS
	MCH	4.90	<13	PASS
	HCH	5.24	<13	PASS
16QAM	LCH	5.00	<13	PASS
	MCH	4.91	<13	PASS
	HCH	5.24	<13	PASS

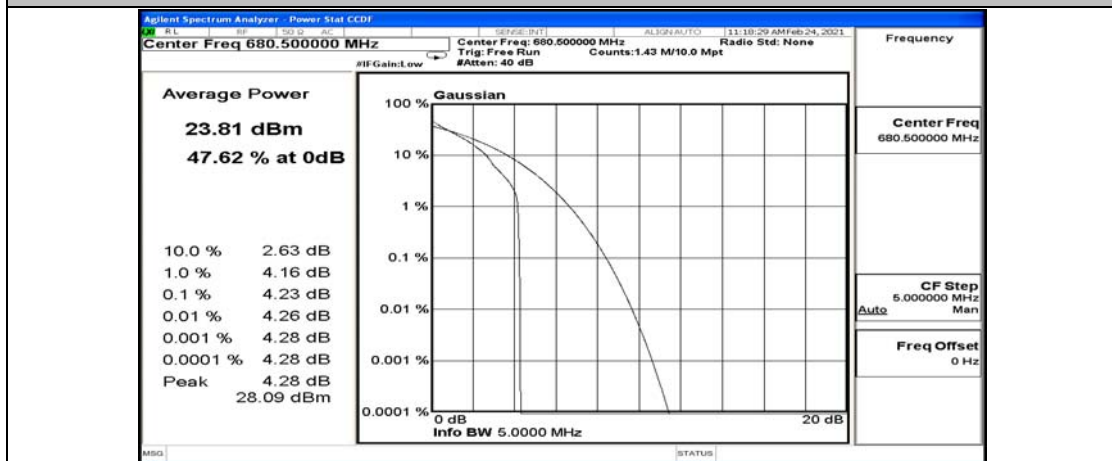
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.57	<13	PASS
	MCH	5.55	<13	PASS
	HCH	5.85	<13	PASS

16QAM	LCH	5.57	<13	PASS
	MCH	5.56	<13	PASS
	HCH	5.56	<13	PASS

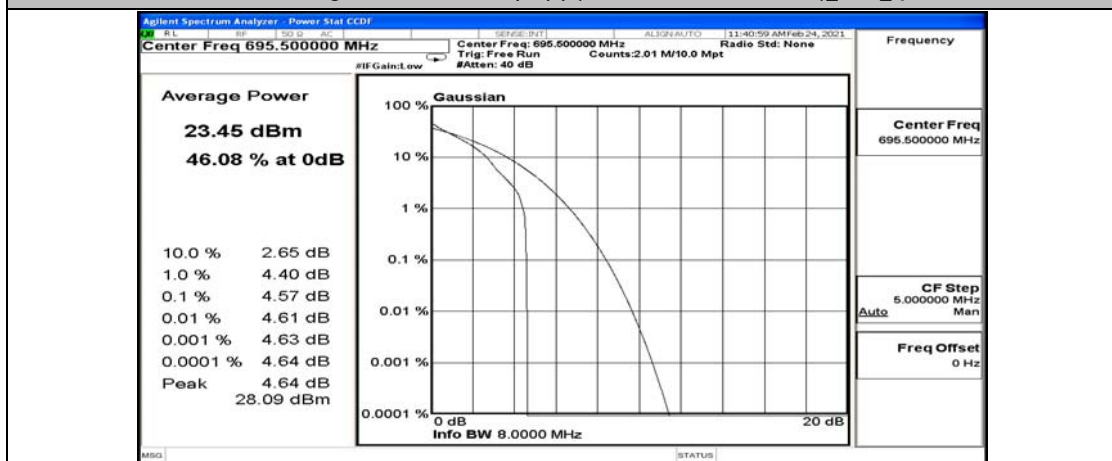
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



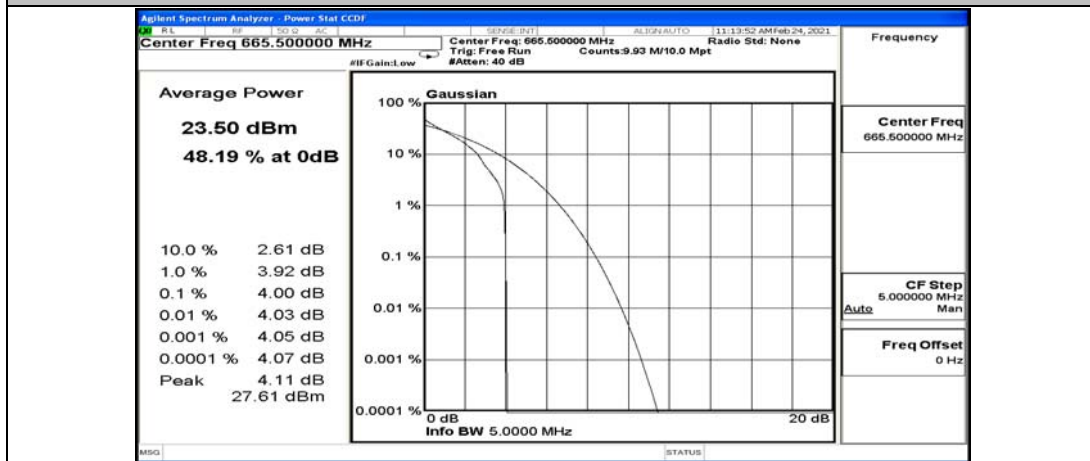
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



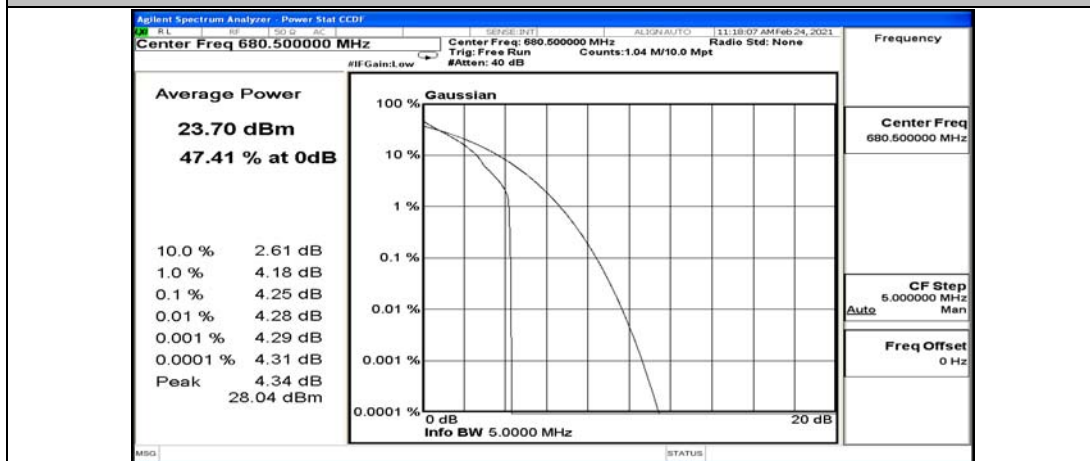
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



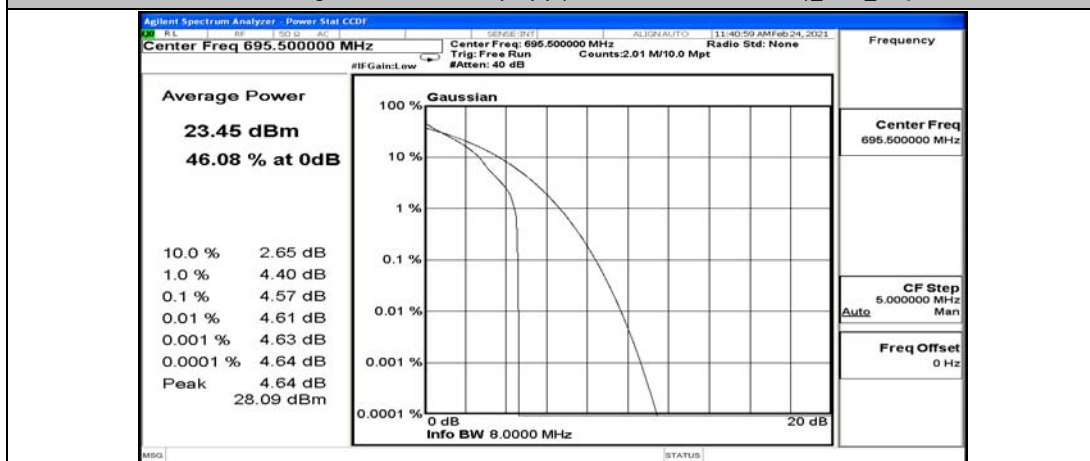
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



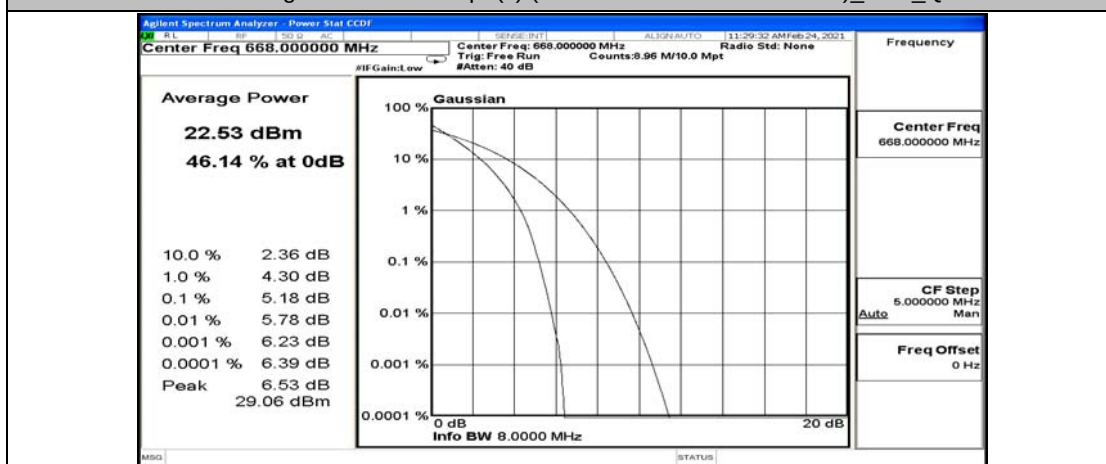
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



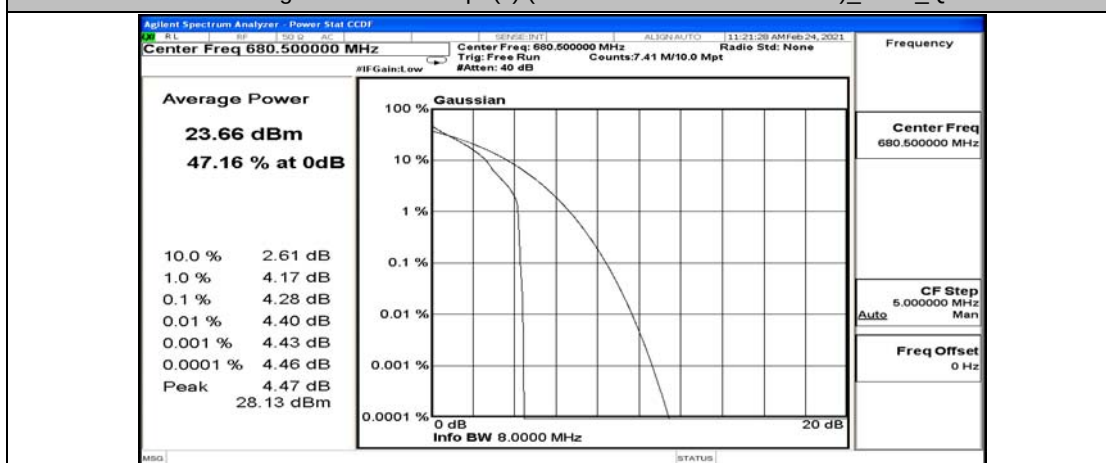
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



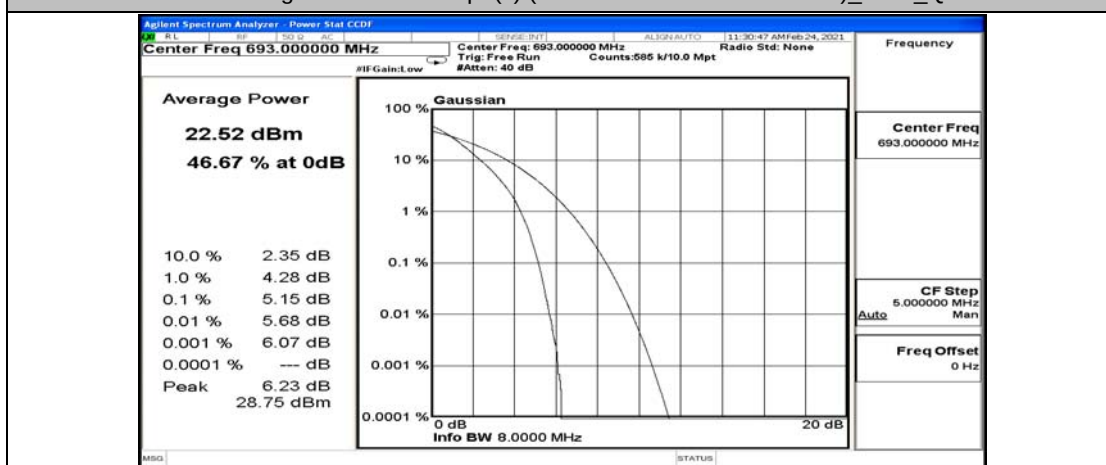
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



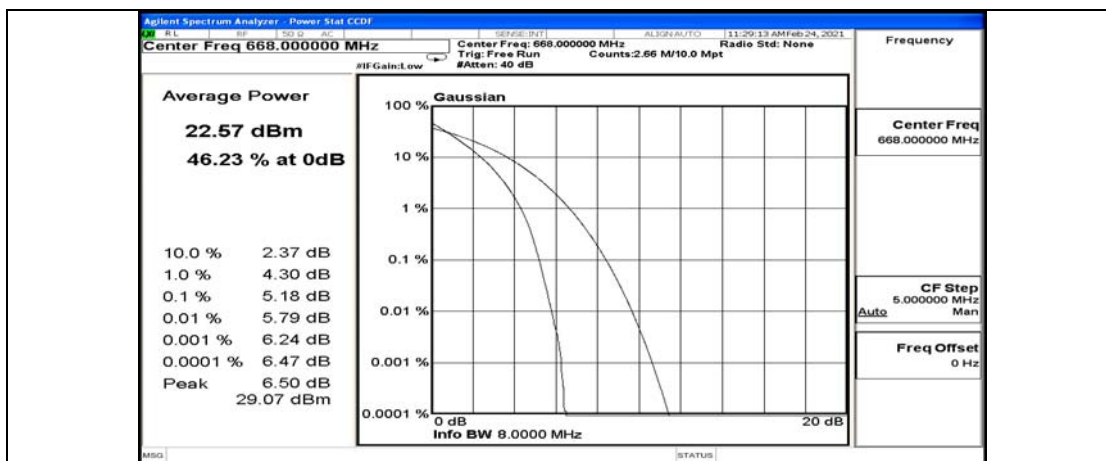
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



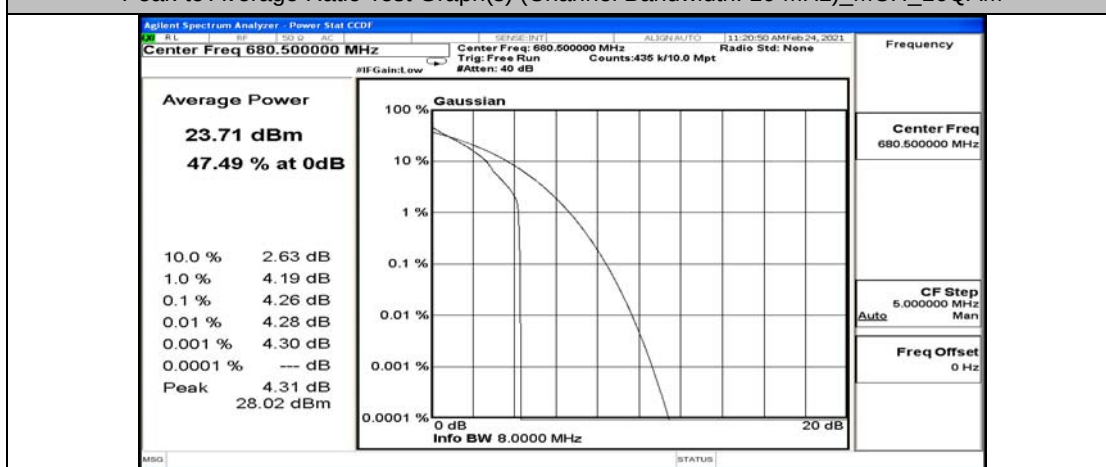
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



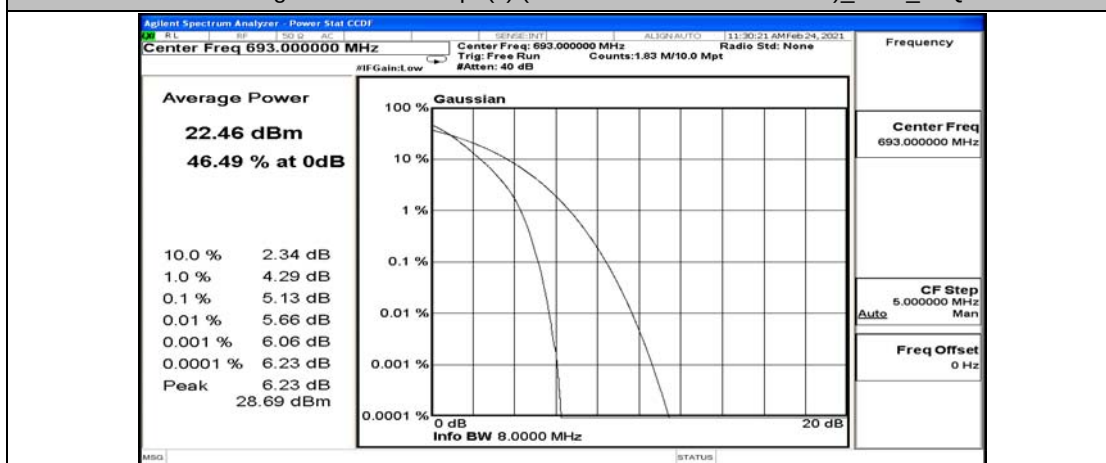
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



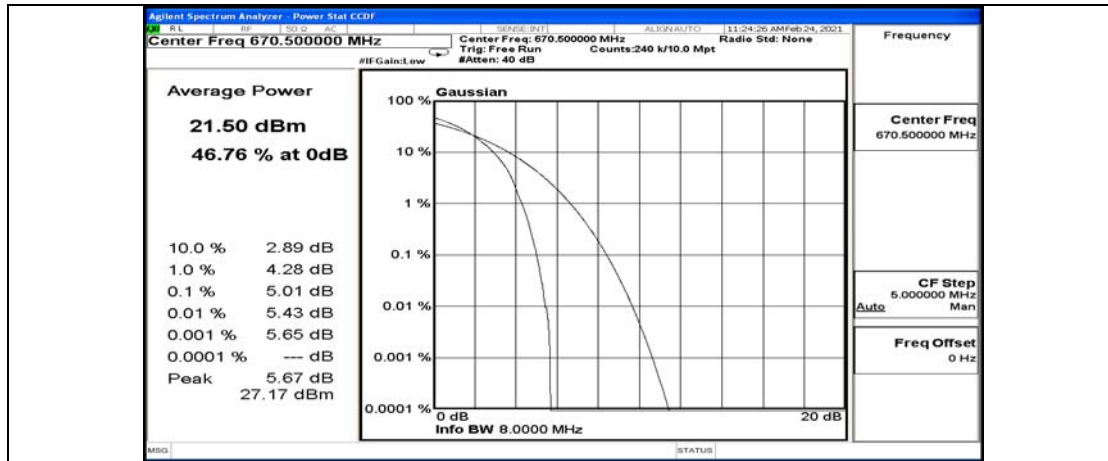
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



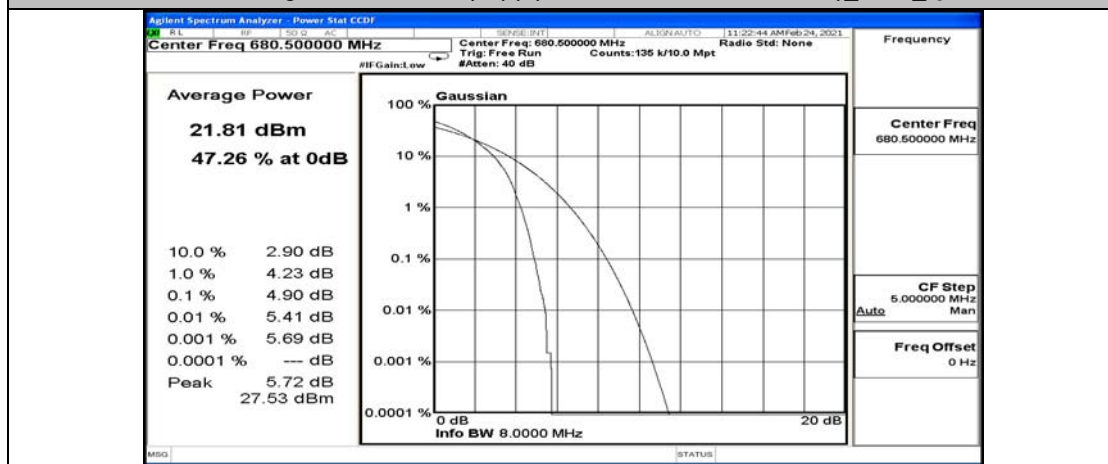
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



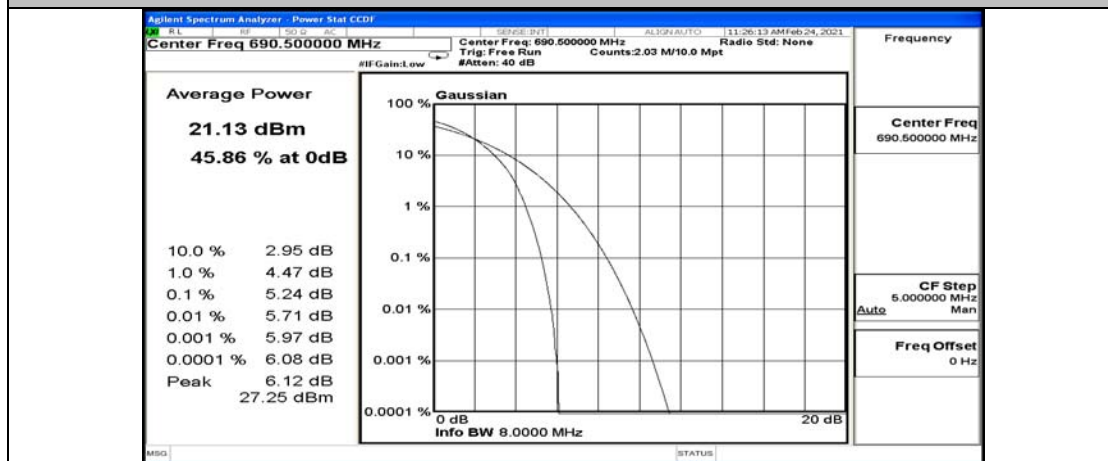
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 15 MHz)_LCH_QPSK



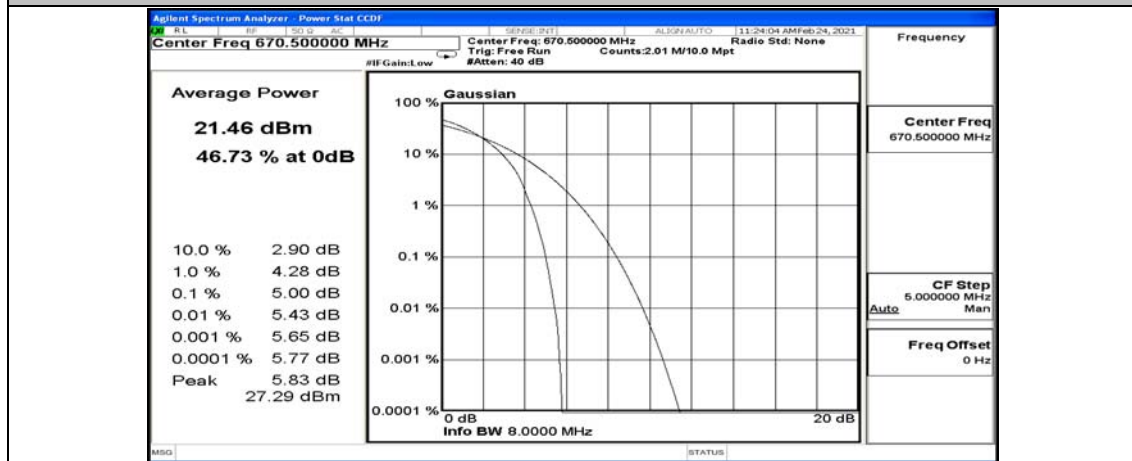
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



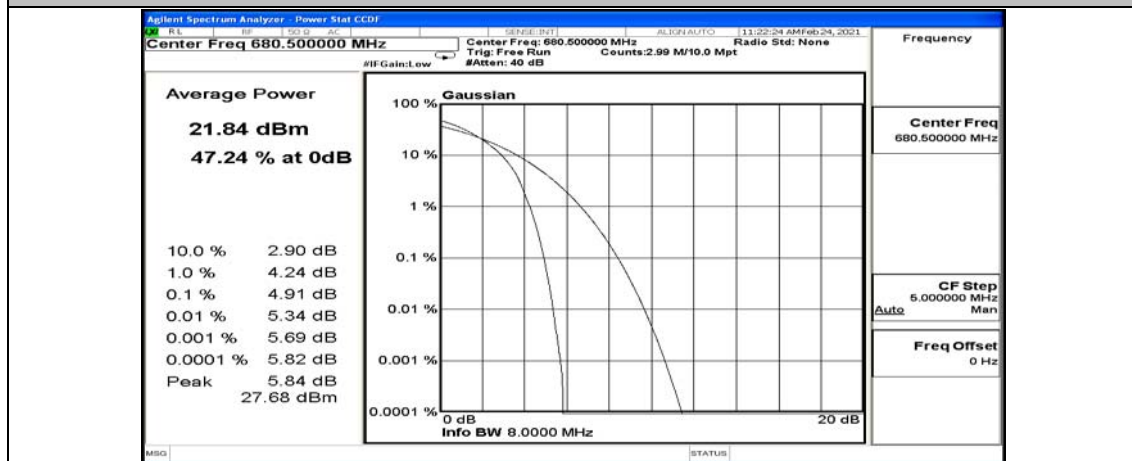
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



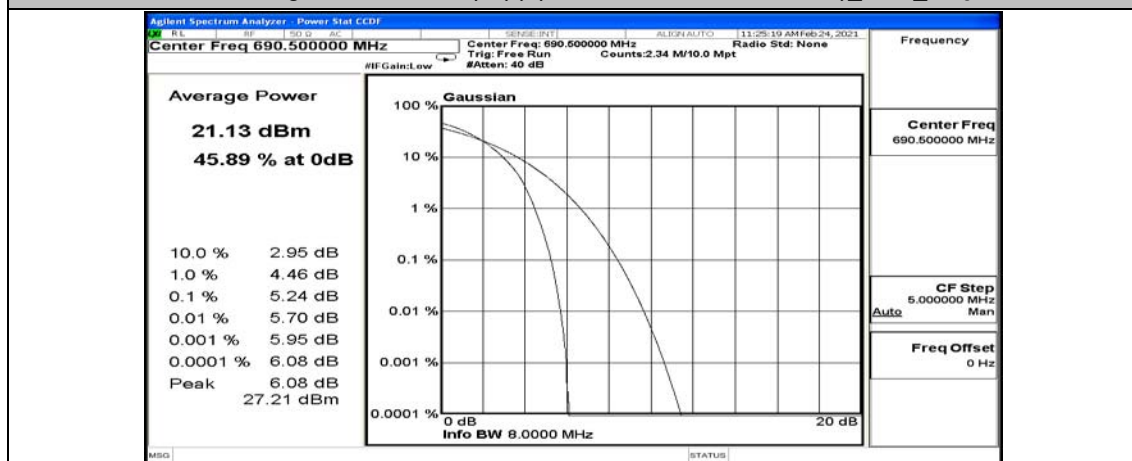
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



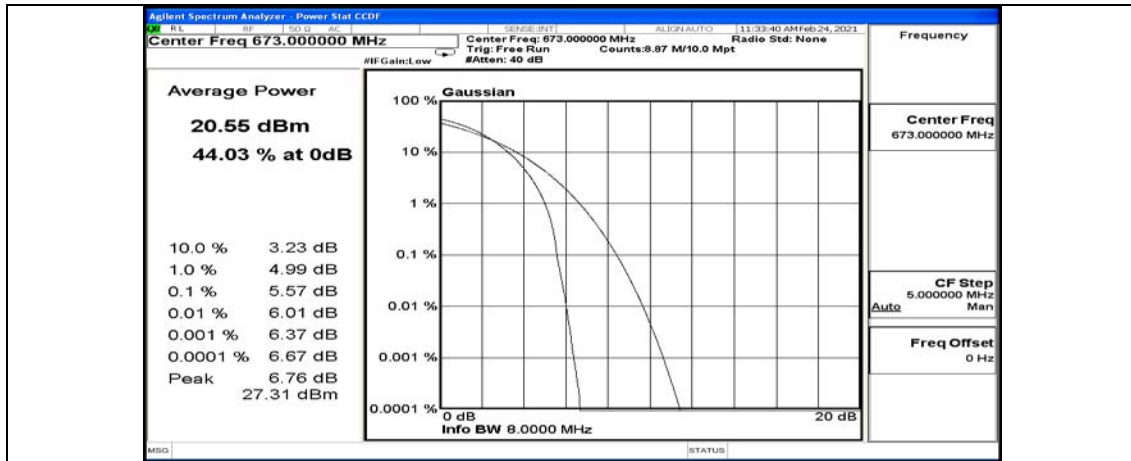
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



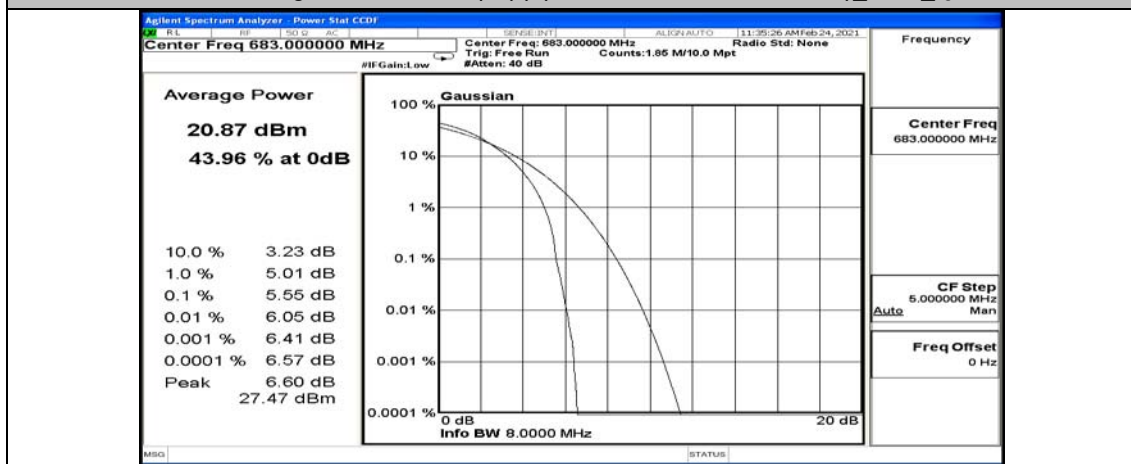
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



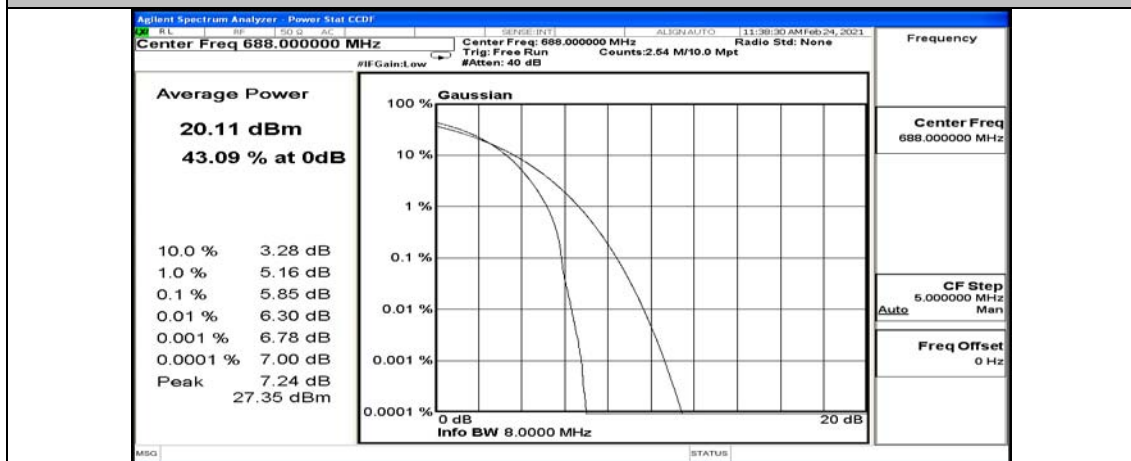
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



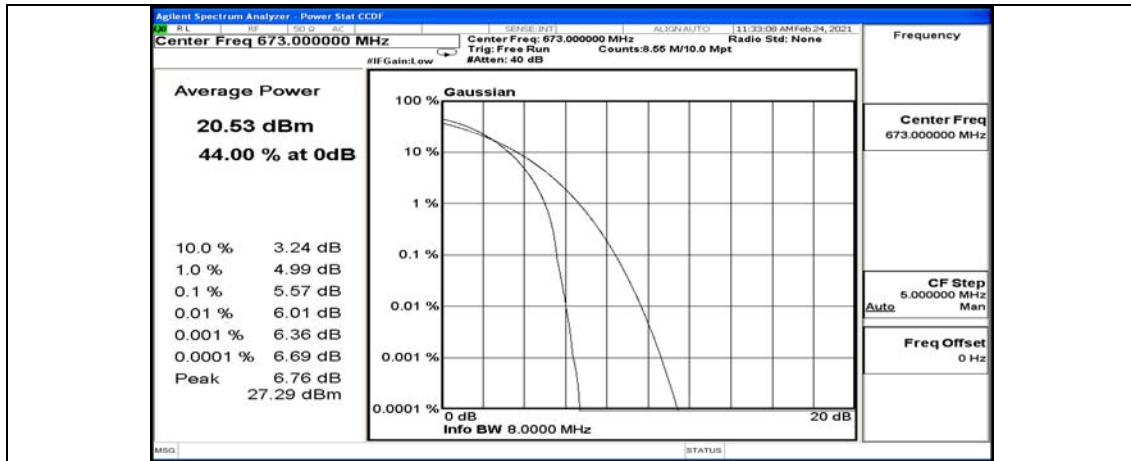
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



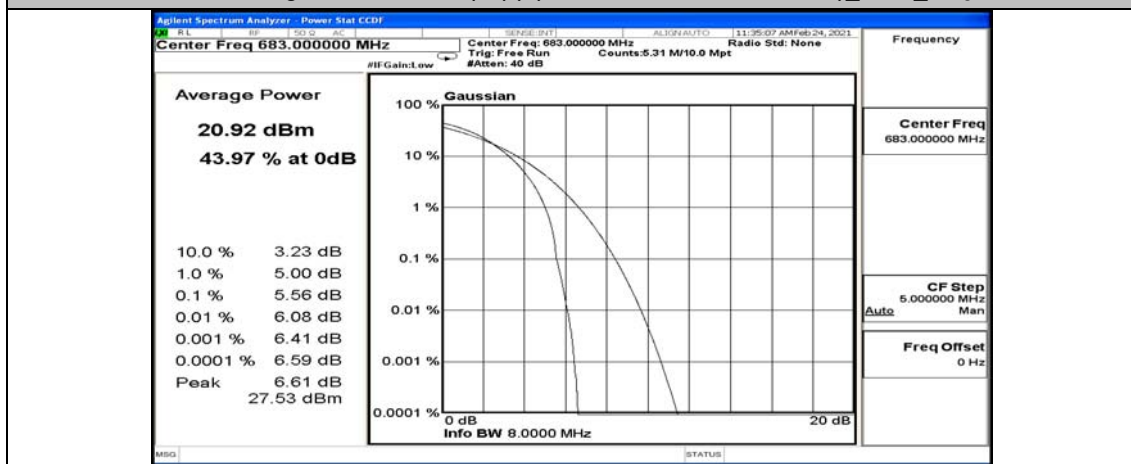
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



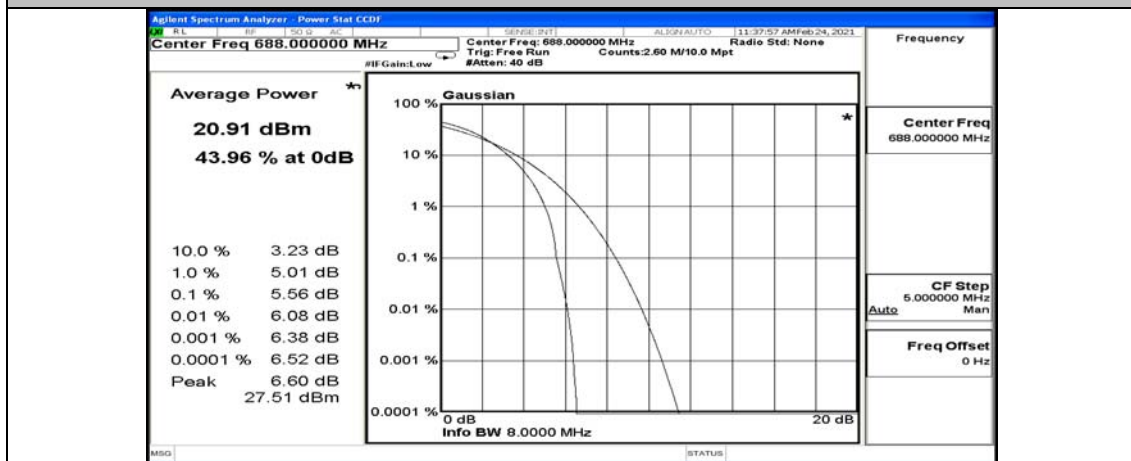
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



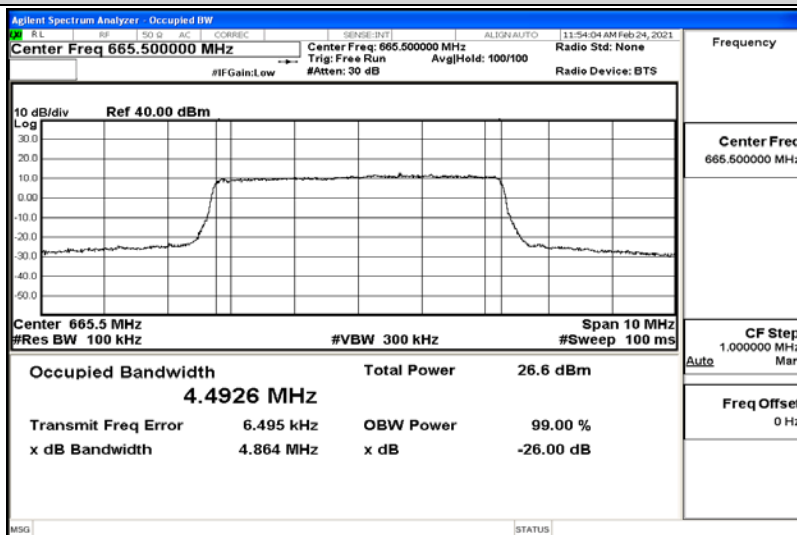
I.3 : 26dB Bandwidth and Occupied Bandwidth

Test Result

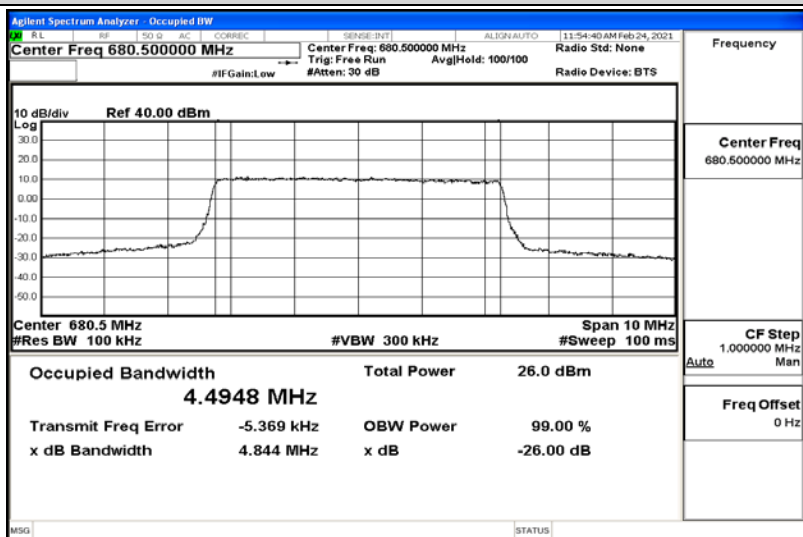
Band	Bandwidth	Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	4.4926	4.864	PASS
Band71	5MHz	QPSK	133297	4.4948	4.844	PASS
Band71	5MHz	QPSK	133447	4.5018	4.869	PASS
Band71	5MHz	16QAM	133147	4.4955	4.838	PASS
Band71	5MHz	16QAM	133297	4.4912	4.889	PASS
Band71	5MHz	16QAM	133447	4.5092	4.852	PASS
Band71	10MHz	QPSK	133172	8.9248	9.487	PASS
Band71	10MHz	QPSK	133297	8.9386	9.509	PASS
Band71	10MHz	QPSK	133422	8.9455	9.515	PASS
Band71	10MHz	16QAM	133172	8.9089	9.481	PASS
Band71	10MHz	16QAM	133297	8.9431	9.494	PASS
Band71	10MHz	16QAM	133422	8.9444	9.529	PASS
Band71	15MHz	QPSK	133197	13.479	14.30	PASS
Band71	15MHz	QPSK	133297	13.385	14.20	PASS
Band71	15MHz	QPSK	133397	13.428	14.24	PASS
Band71	15MHz	16QAM	133197	13.450	14.29	PASS
Band71	15MHz	16QAM	133297	13.376	14.22	PASS
Band71	15MHz	16QAM	133397	13.440	14.24	PASS
Band71	20MHz	QPSK	133222	17.846	18.91	PASS
Band71	20MHz	QPSK	133322	17.880	18.95	PASS
Band71	20MHz	QPSK	133372	17.949	18.97	PASS
Band71	20MHz	16QAM	133222	17.851	18.92	PASS
Band71	20MHz	16QAM	133322	17.884	18.94	PASS
Band71	20MHz	16QAM	133372	17.942	18.94	PASS

Test Graphs

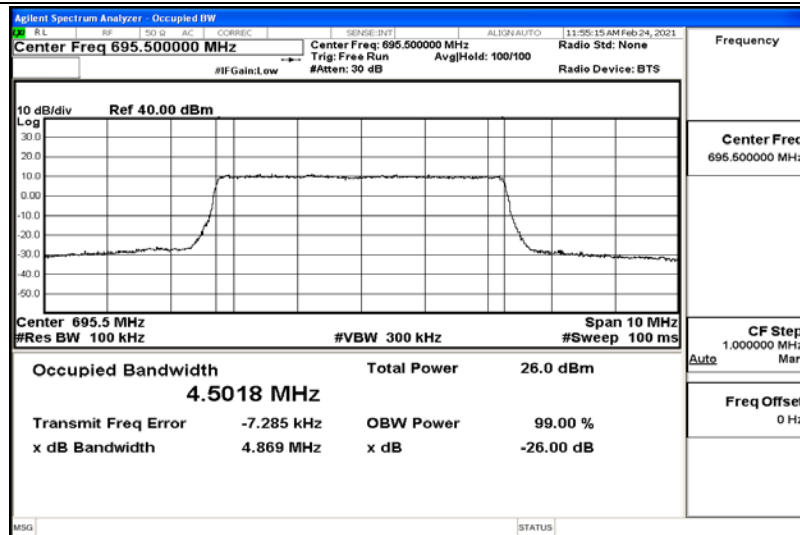
Band71-5MHz-QPSK-133147-25RB#0-4.4926



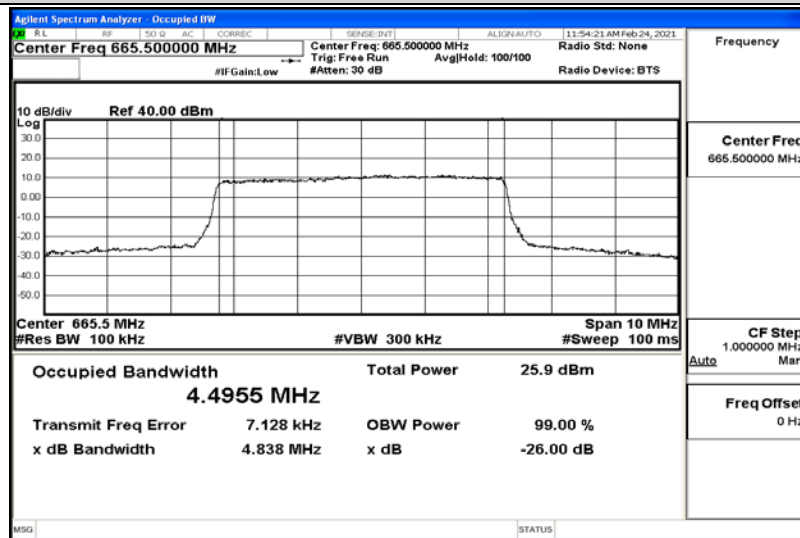
Band71-5MHz-QPSK-133297-25RB#0-4.4948



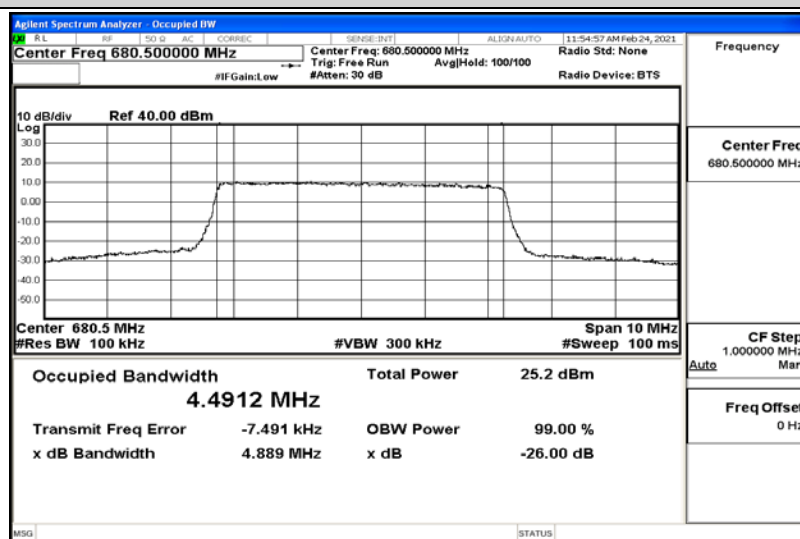
Band71-5MHz-QPSK-133447-25RB#0-4.5018



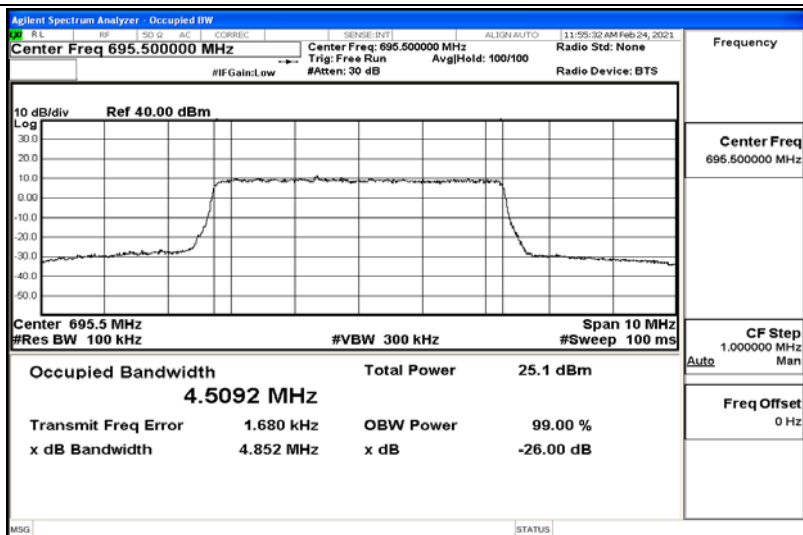
Band71-5MHz-16QAM-133147-25RB#0-4.4955



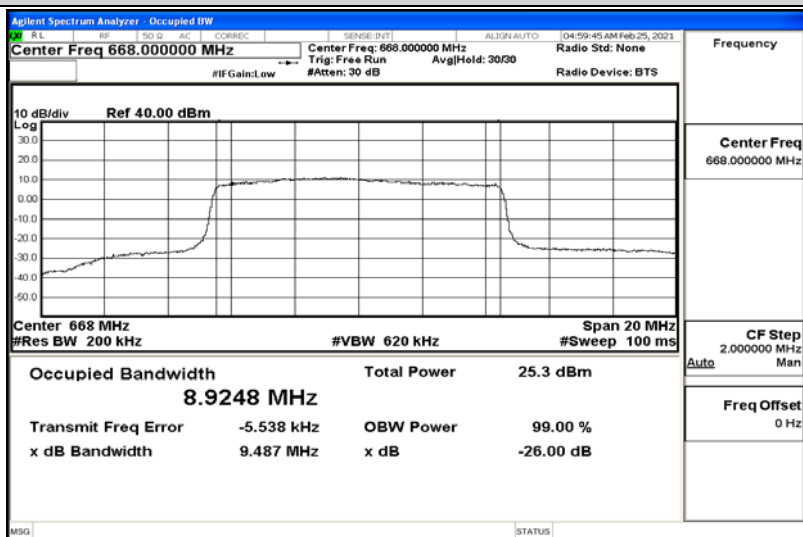
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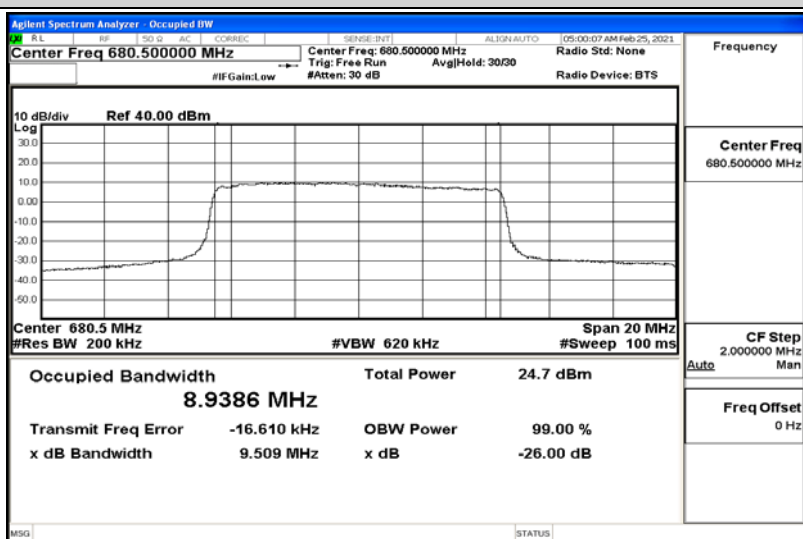
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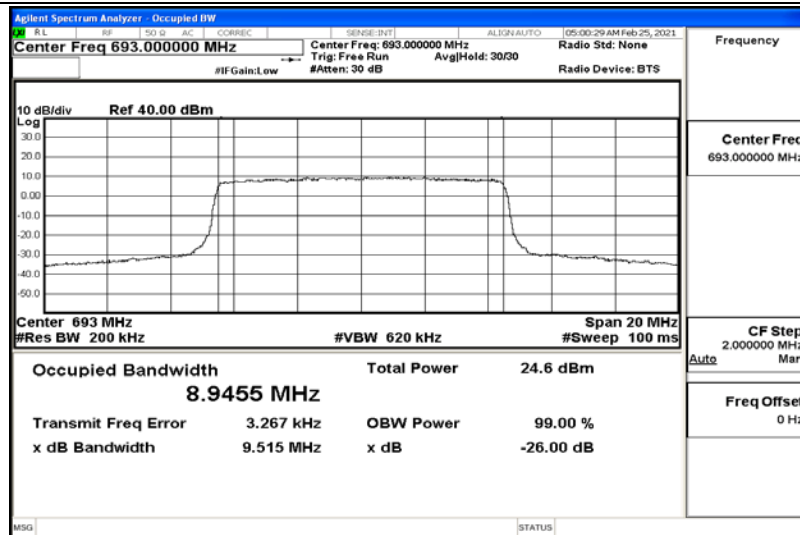
Band71-10MHz-QPSK-133172-50RB#0-8.9248



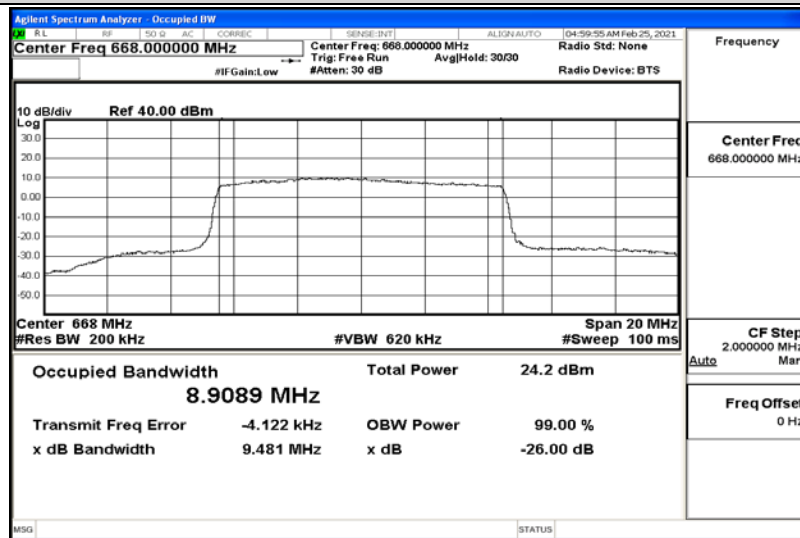
Band71-10MHz-QPSK-133297-50RB#0-8.9386



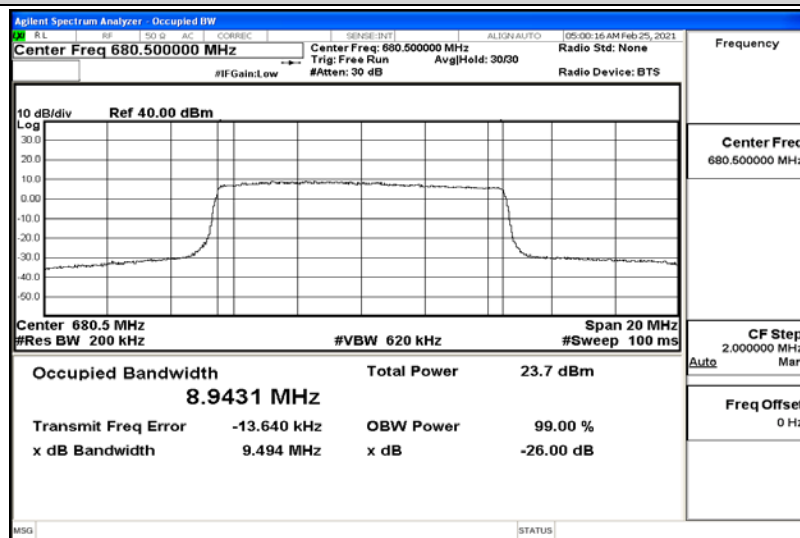
Band71-10MHz-QPSK-133422-50RB#0-8.9455



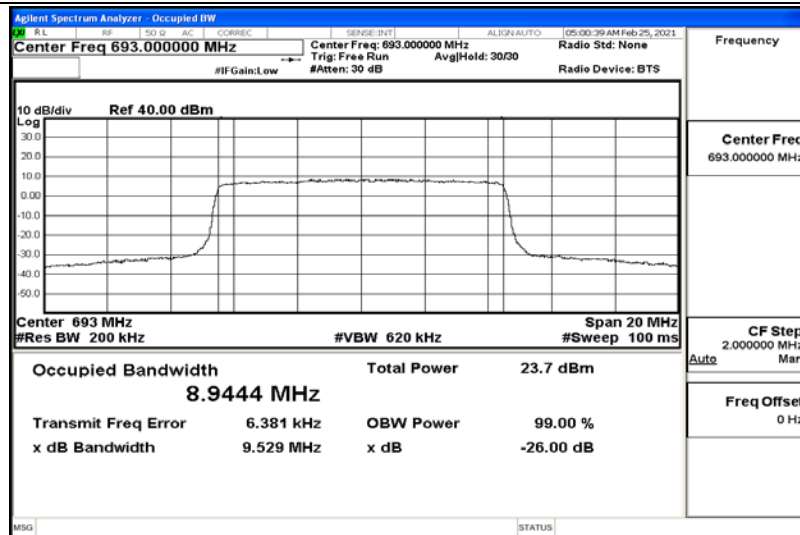
Band71-10MHz-16QAM-133172-50RB#0-8.9089



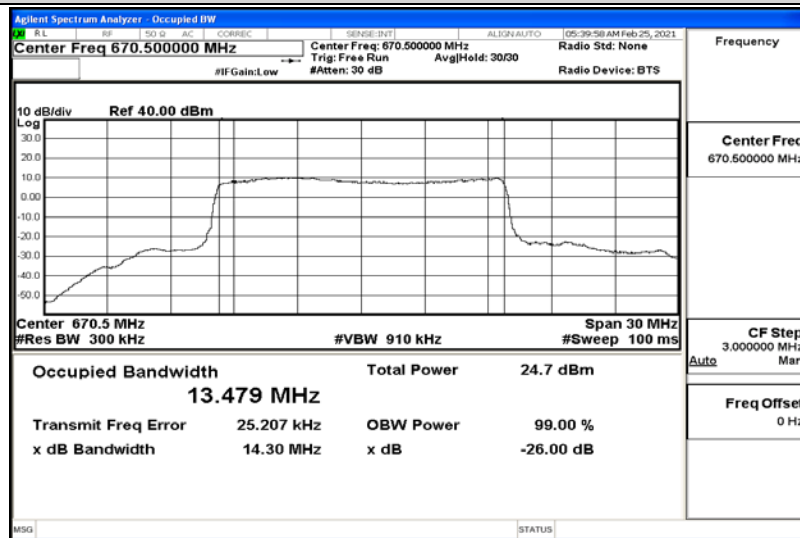
Band71-10MHz-16QAM-133297-50RB#0-8.9431



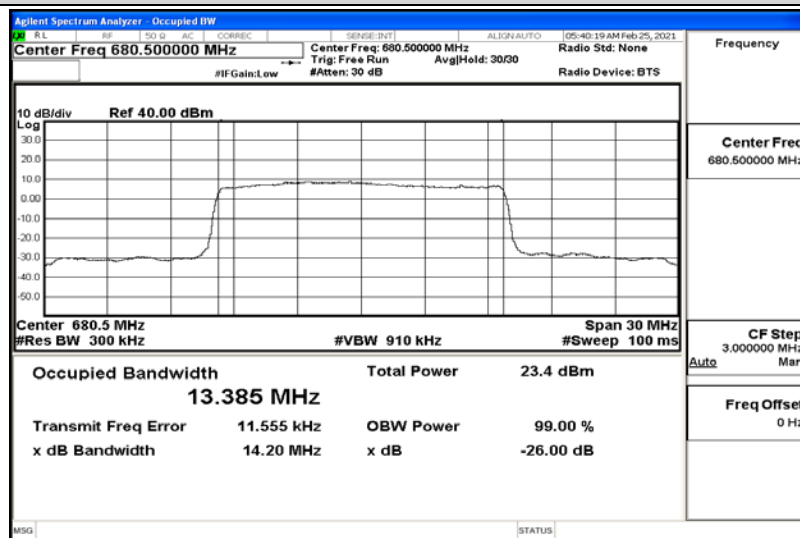
Band71-10MHz-16QAM-133422-50RB#0-8.9444



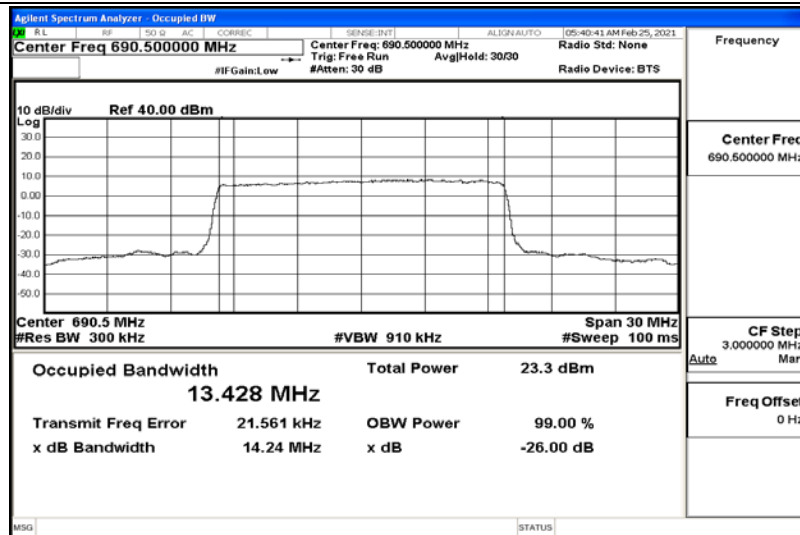
Band71-15MHz-QPSK-133197-75RB#0-13.479



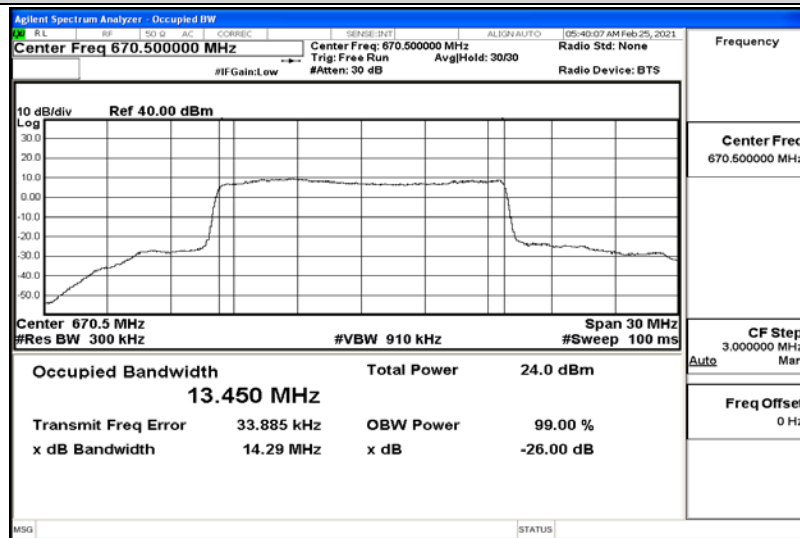
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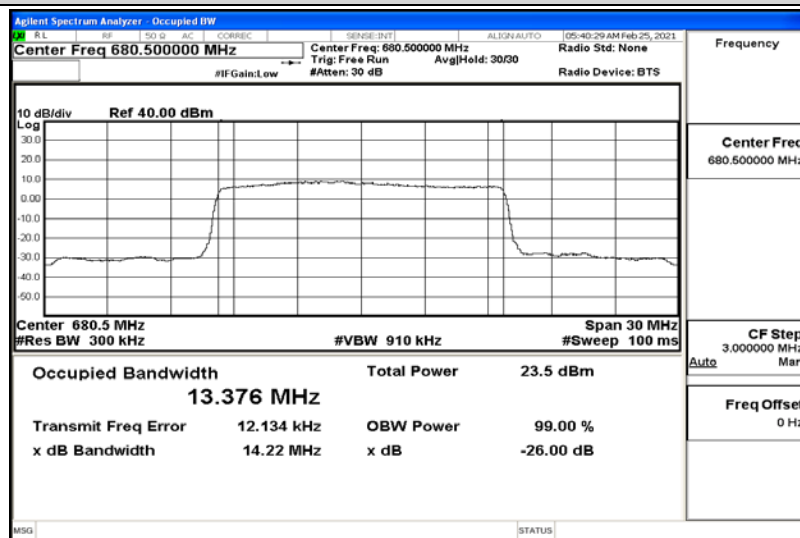
Band71-15MHz-QPSK-133397-75RB#0-13.428



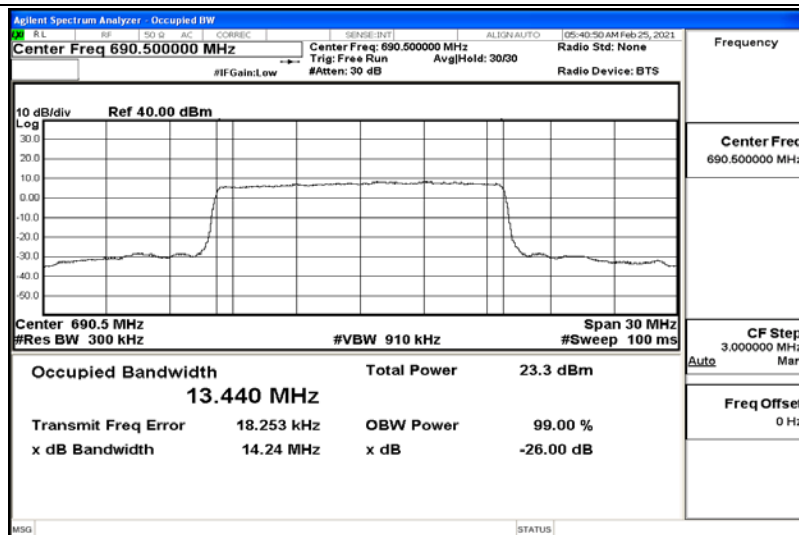
Band71-15MHz-16QAM-133197-75RB#0-13.450



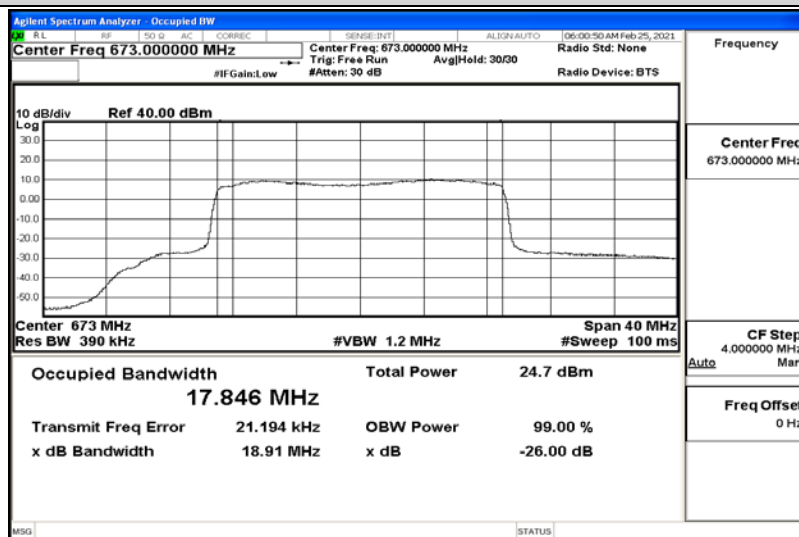
Band71-15MHz-16QAM-133297-75RB#0-13.376



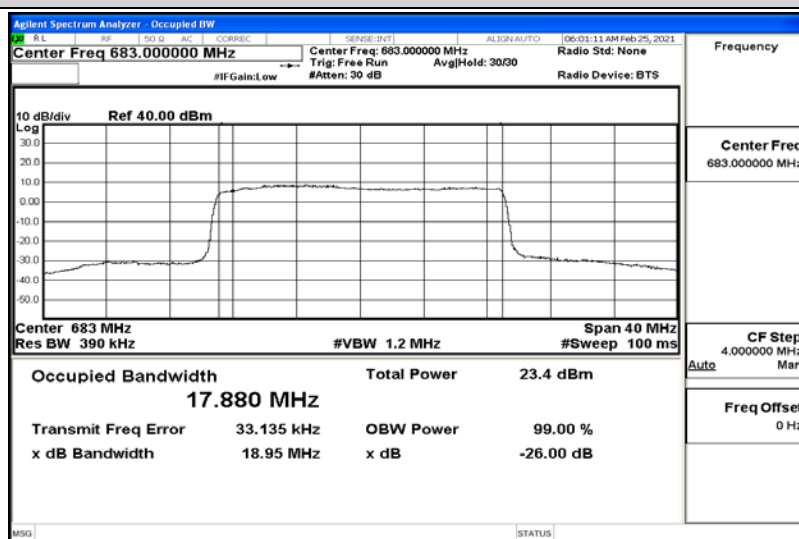
Band71-15MHz-16QAM-133397-75RB#0-13.440



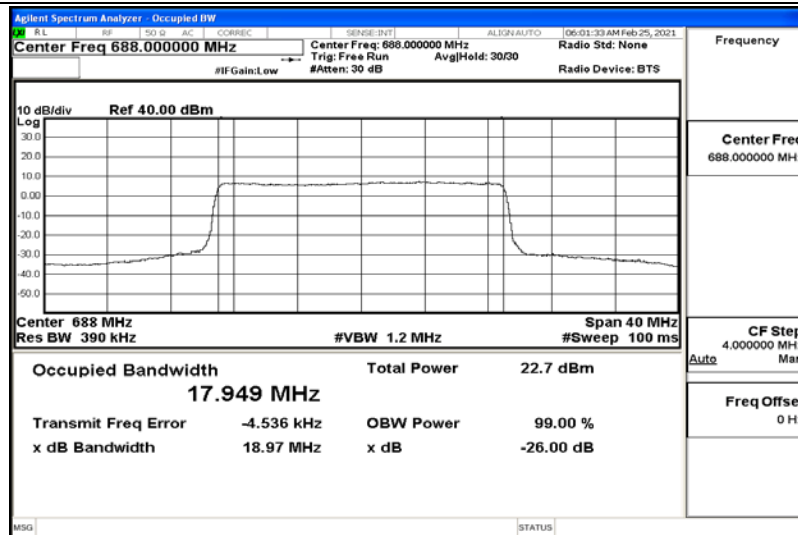
Band71-20MHz-QPSK-133222-100RB#0-17.846



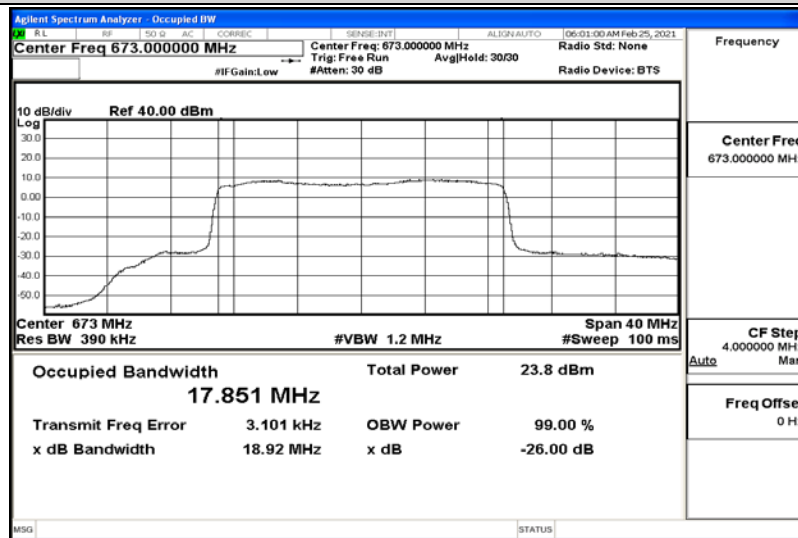
Band71-20MHz-QPSK-133322-100RB#0-17.880



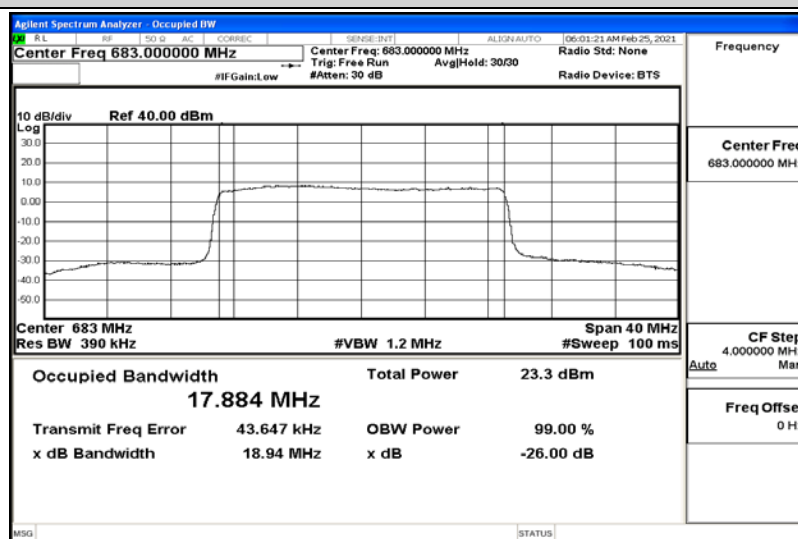
Band71-20MHz-QPSK-133372-100RB#0-17.949



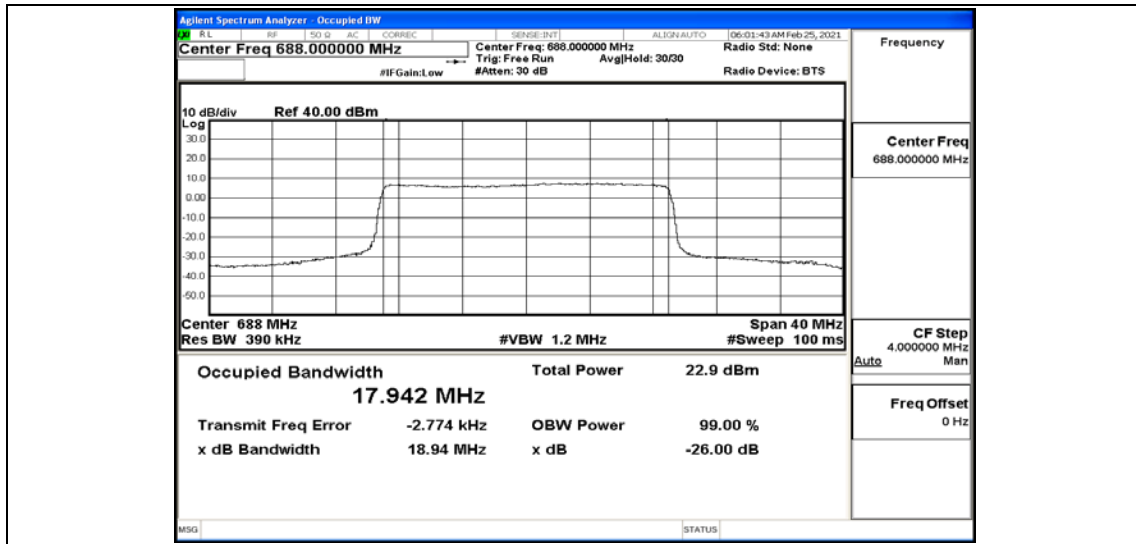
Band71-20MHz-16QAM-133222-100RB#0-17.851



Band71-20MHz-16QAM-133322-100RB#0-17.884

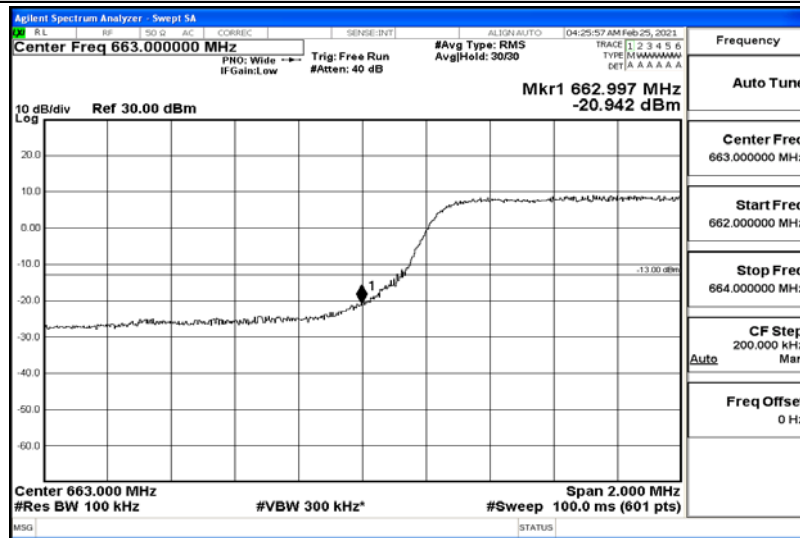


Band71-20MHz-16QAM-133372-100RB#0-17.942

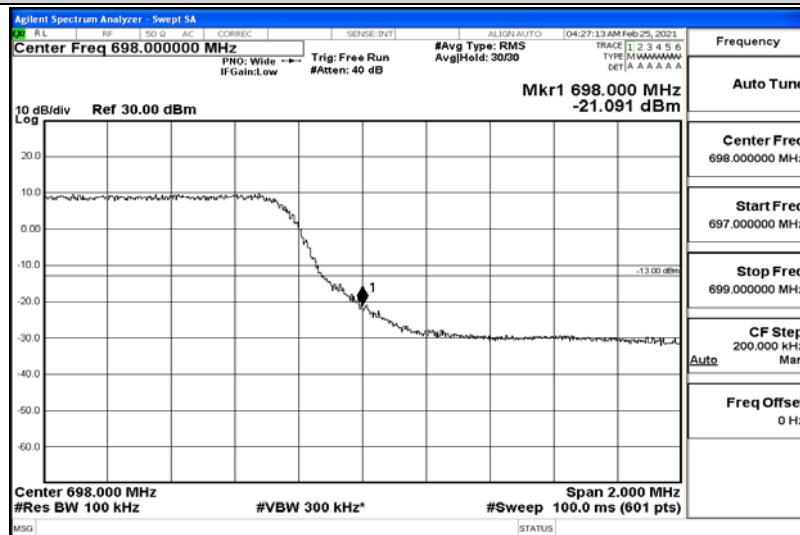


I.4 : Band Edge

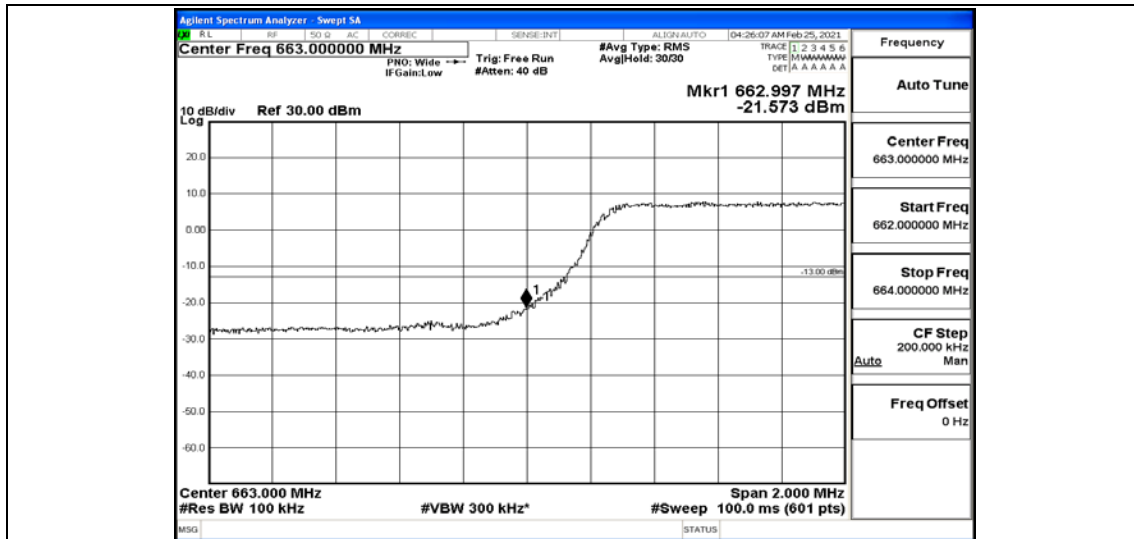
Band71-5MHz-QPSK-133147-25RB#0



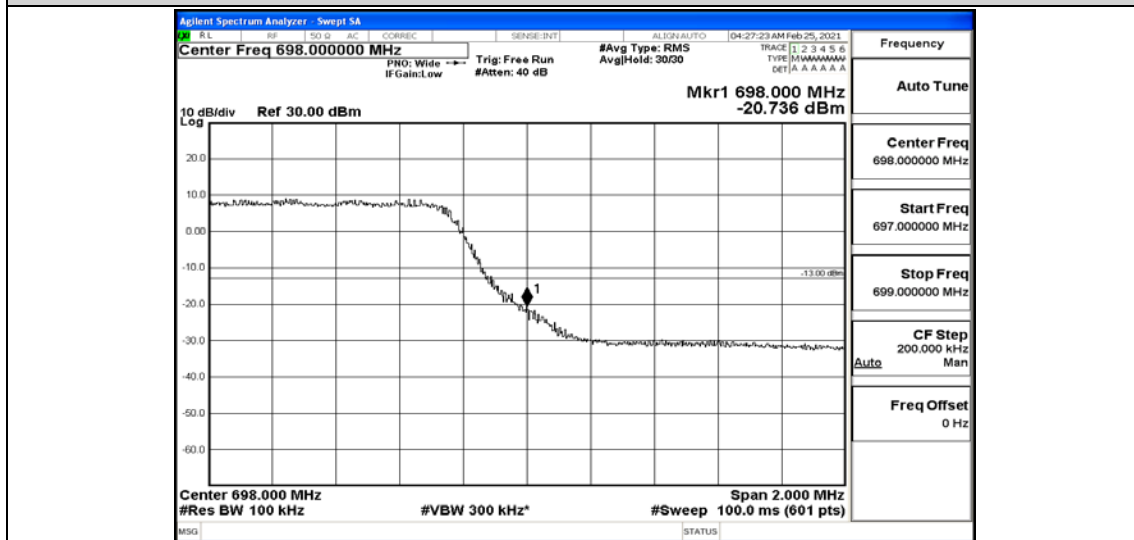
Band71-5MHz-QPSK-133447-25RB#0



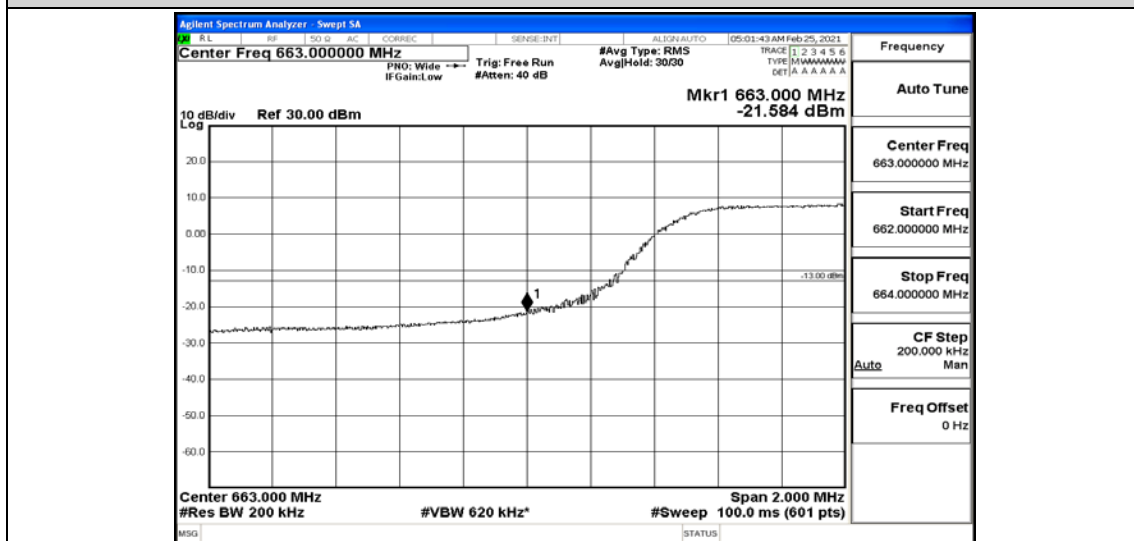
Band71-5MHz-16QAM-133147-25RB#0



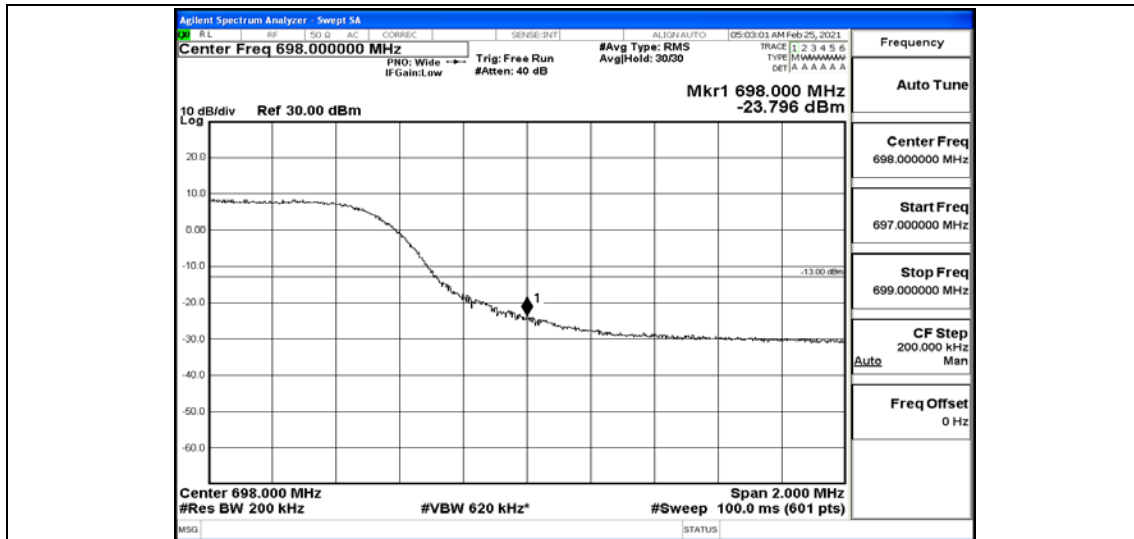
Band71-5MHz-16QAM-133447-25RB#0



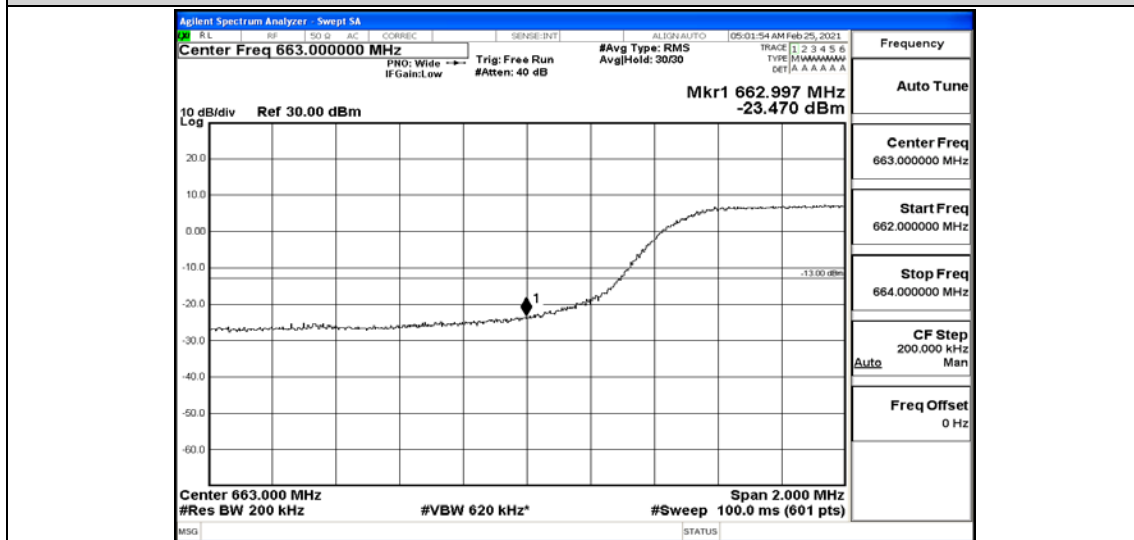
Band71-10MHz-QPSK-133172-50RB#0



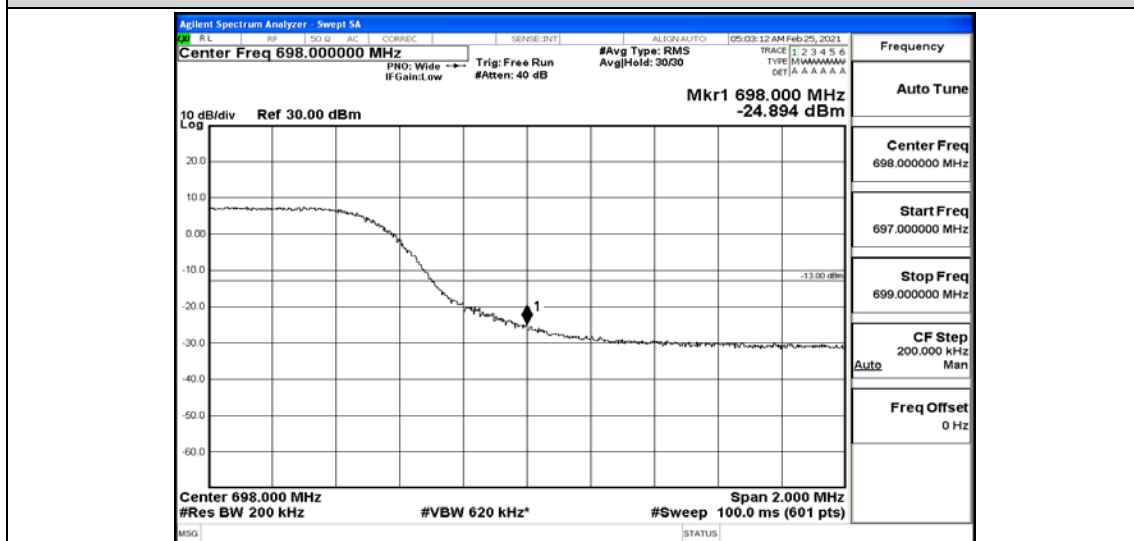
Band71-10MHz-QPSK-133422-50RB#0



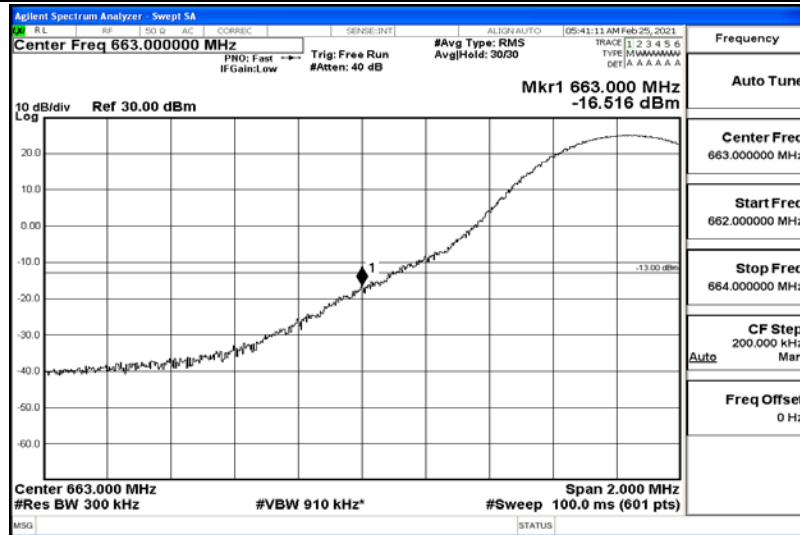
Band71-10MHz-16QAM-133172-50RB#0



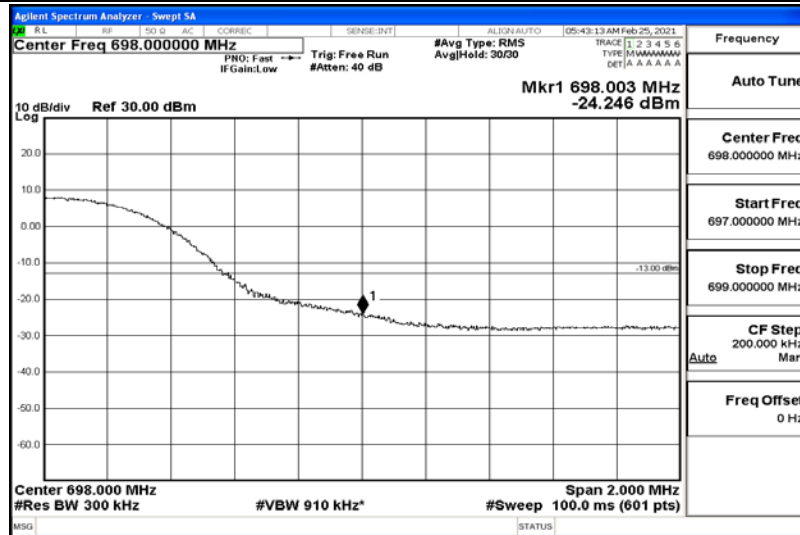
Band71-10MHz-16QAM-133422-50RB#0



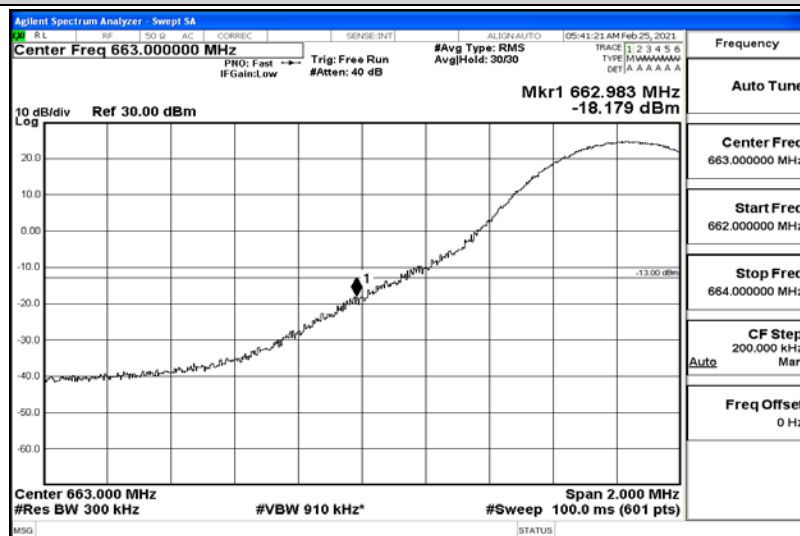
Band71-15MHz-QPSK-133197-75RB#0



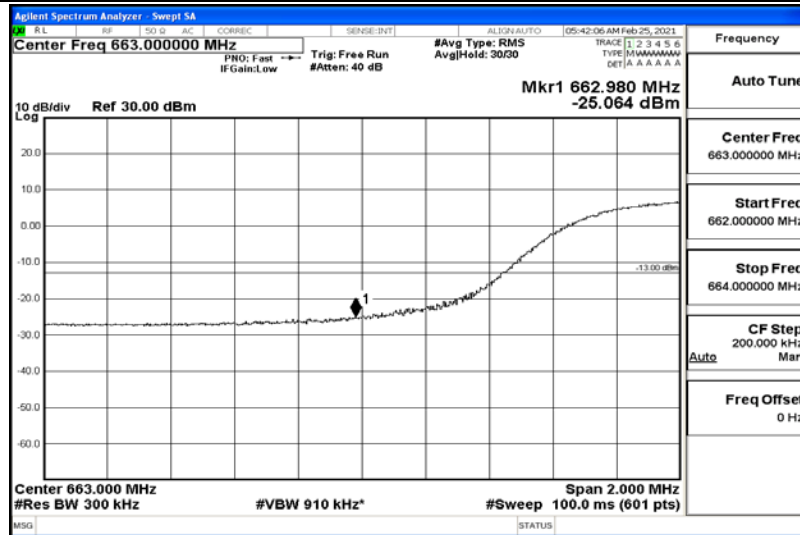
Band71-15MHz-QPSK-133397-75RB#0



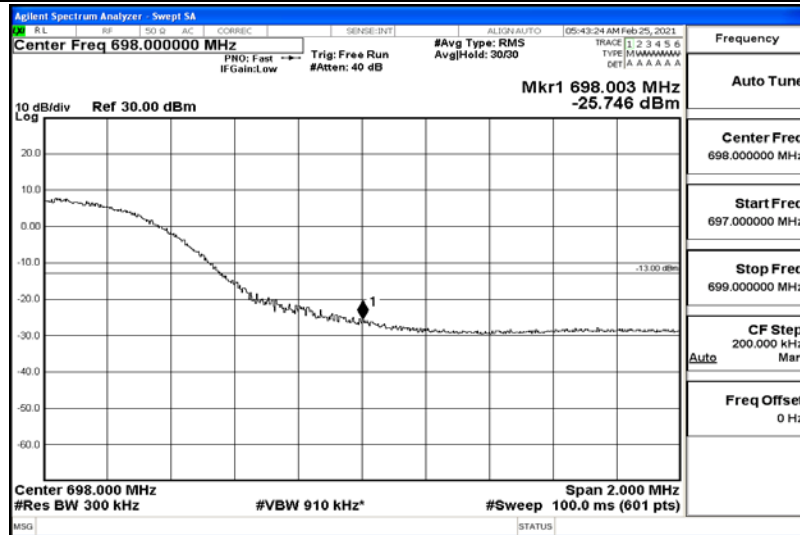
Band71-15MHz-16QAM-133197-1RB#0



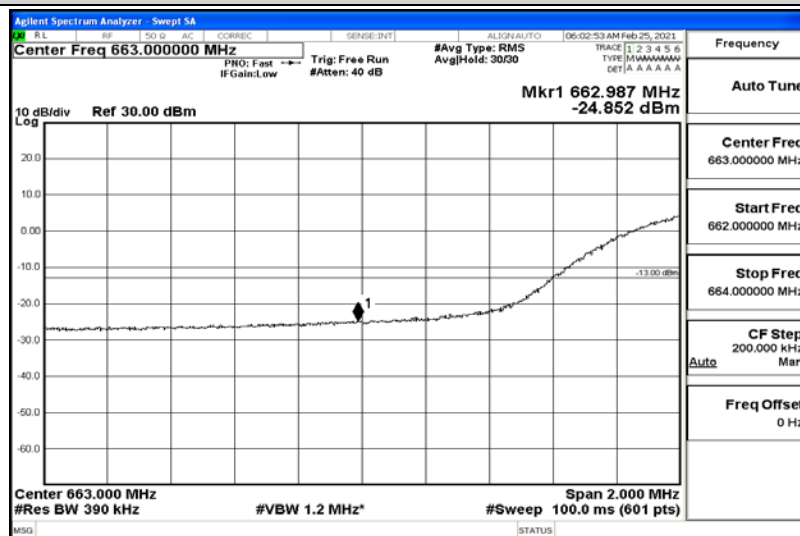
Band71-15MHz-16QAM-133197-75RB#0



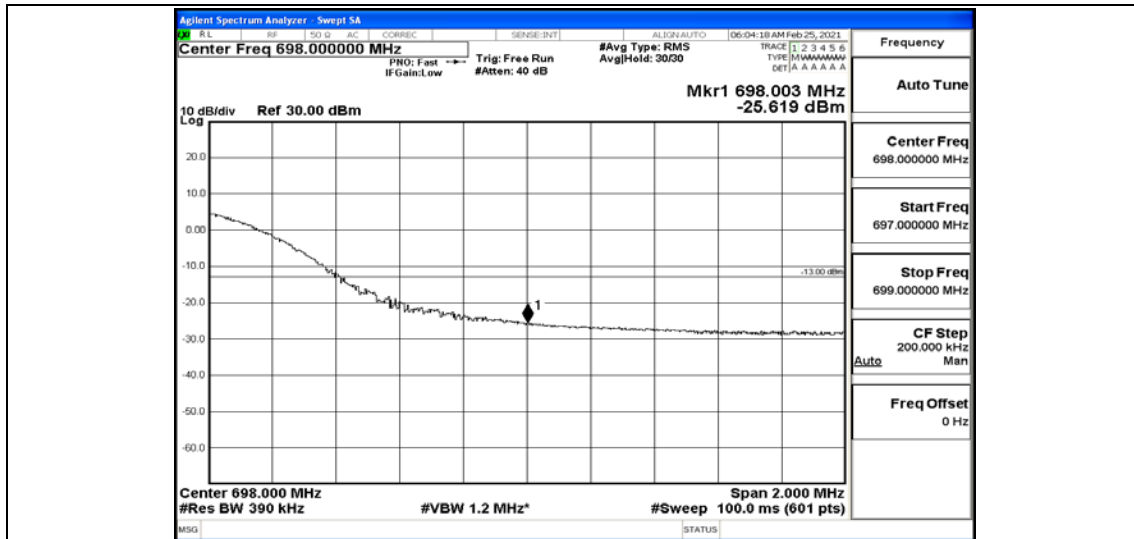
Band71-15MHz-16QAM-133397-75RB#0



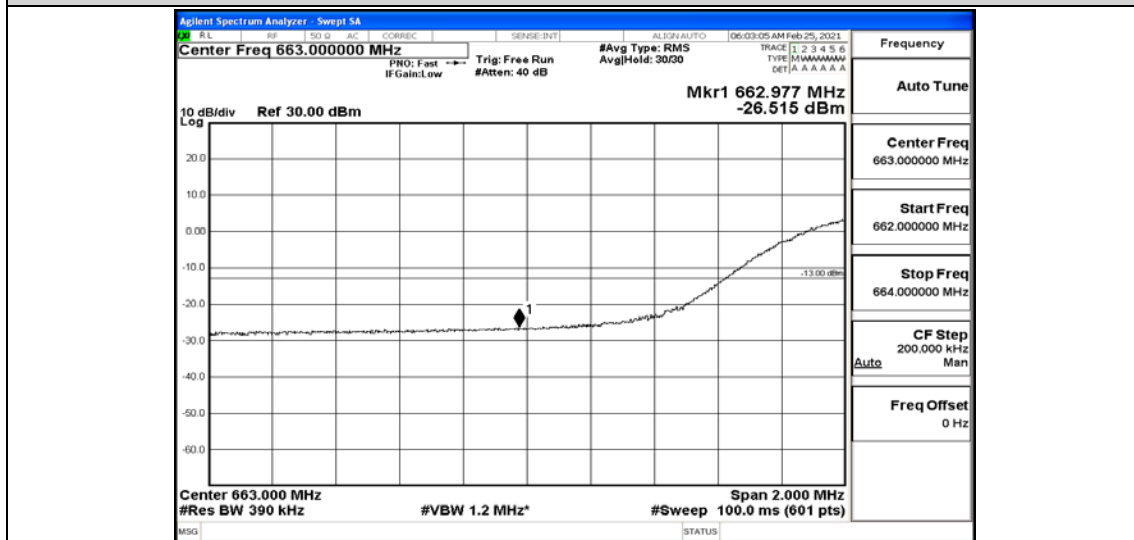
Band71-20MHz-QPSK-133222-100RB#0



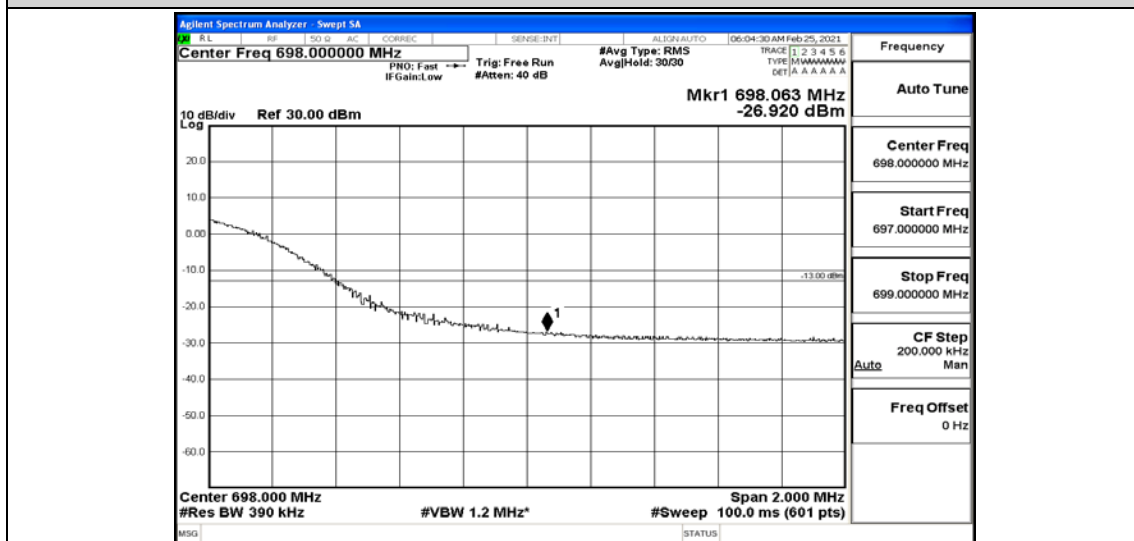
Band71-20MHz-QPSK-133372-100RB#0



Band71-20MHz-16QAM-133222-100RB#0

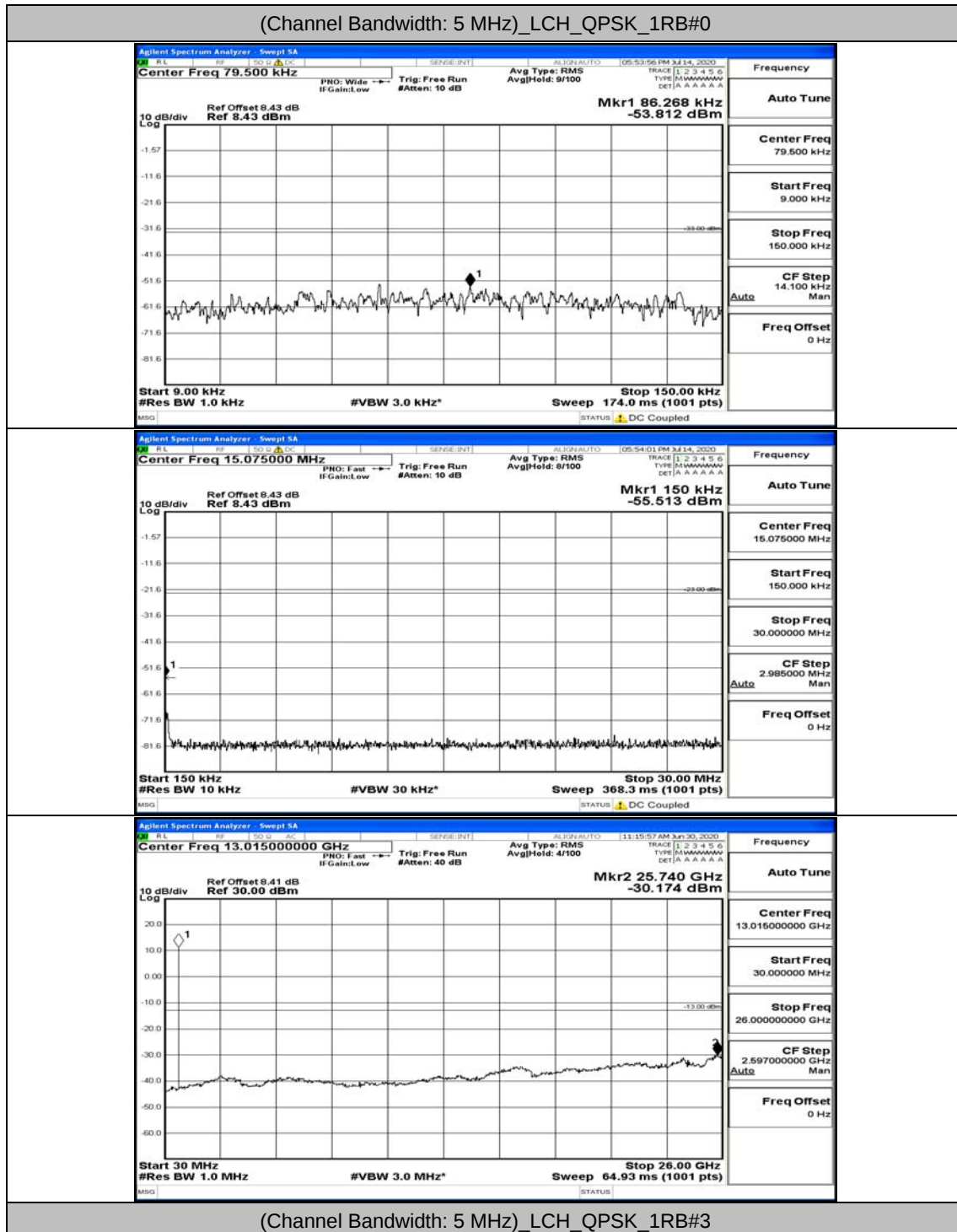


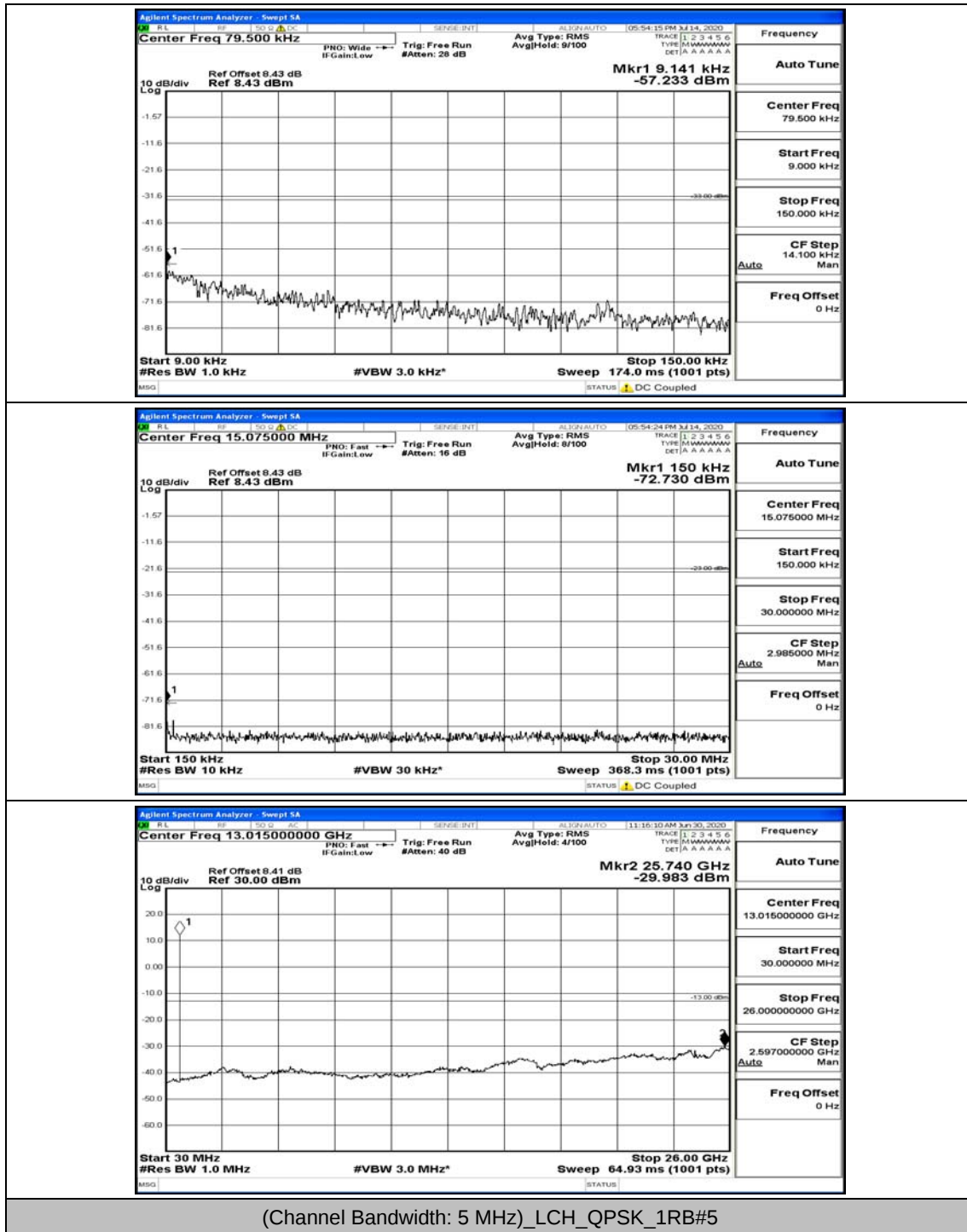
Band71-20MHz-16QAM-133372-100RB#0

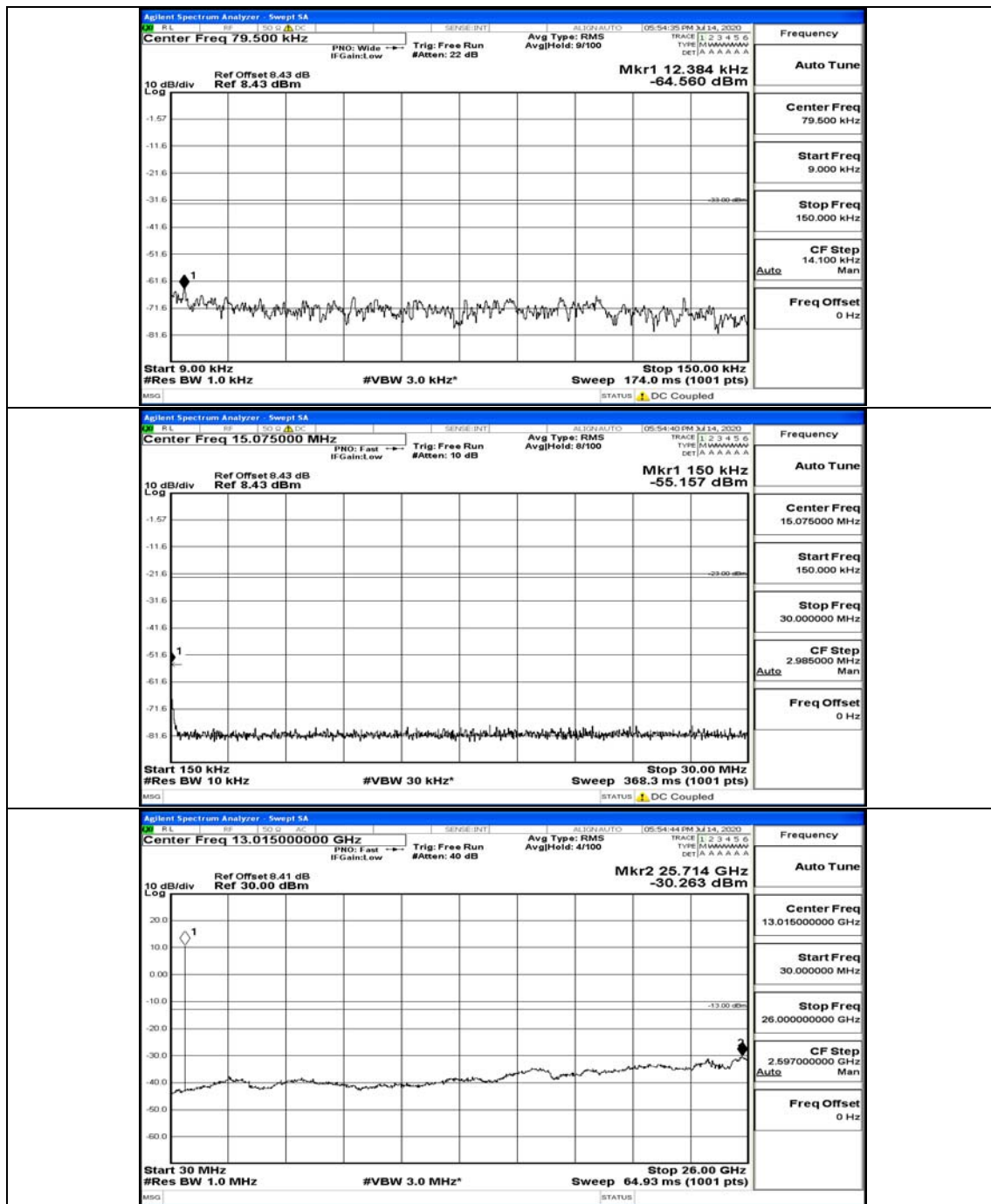


I.5: Conducted Spurious Emission

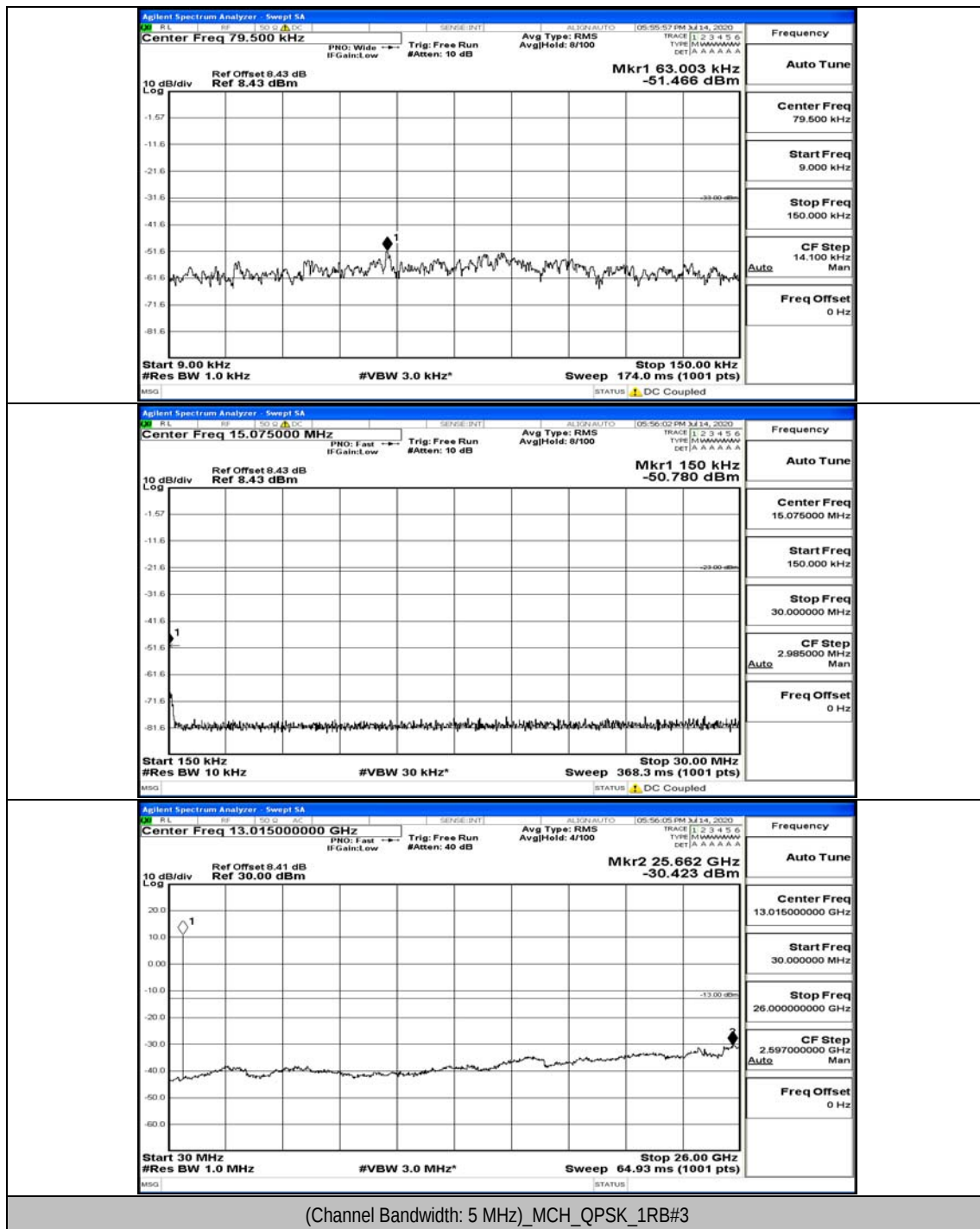
Channel Bandwidth: 5 MHz

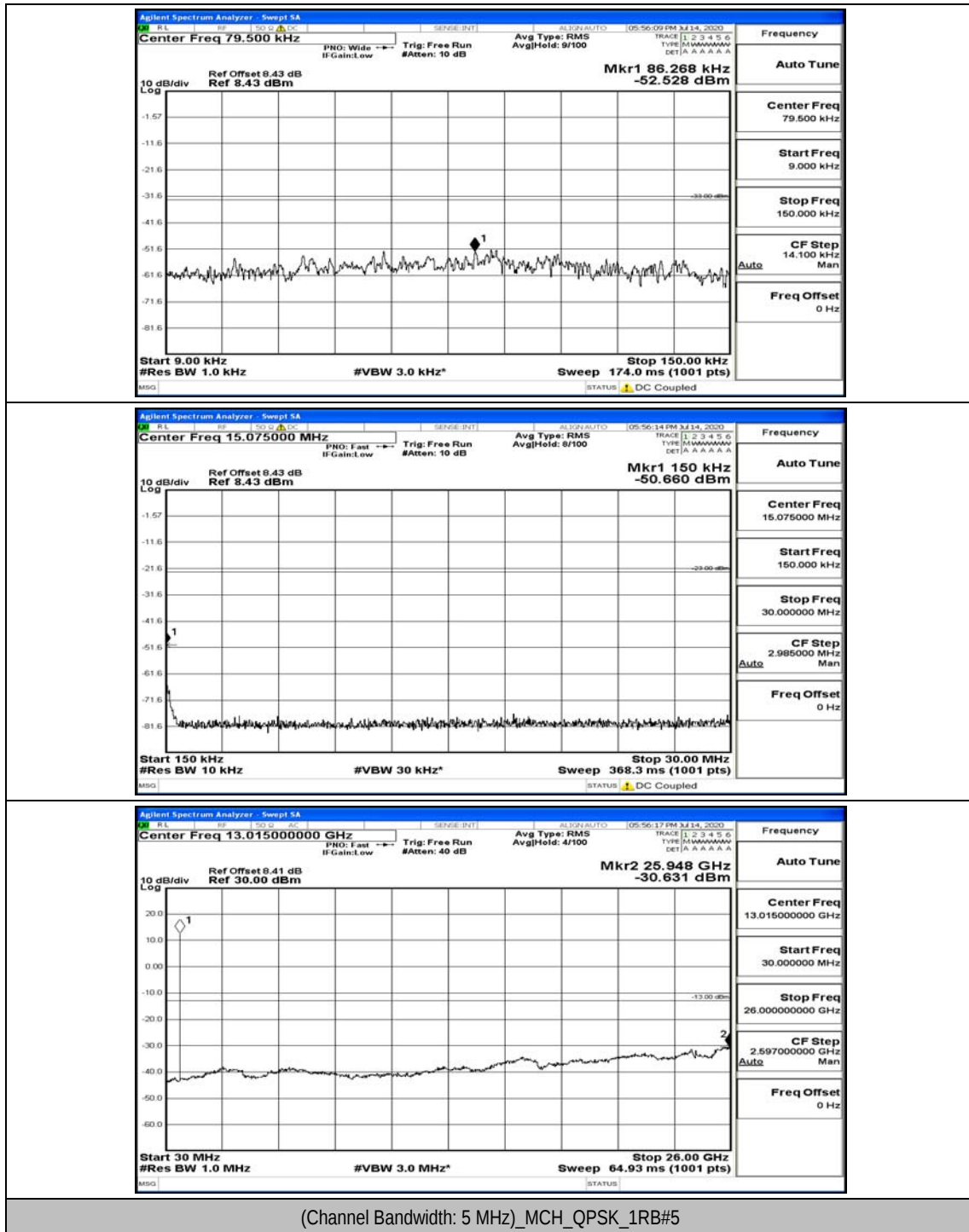


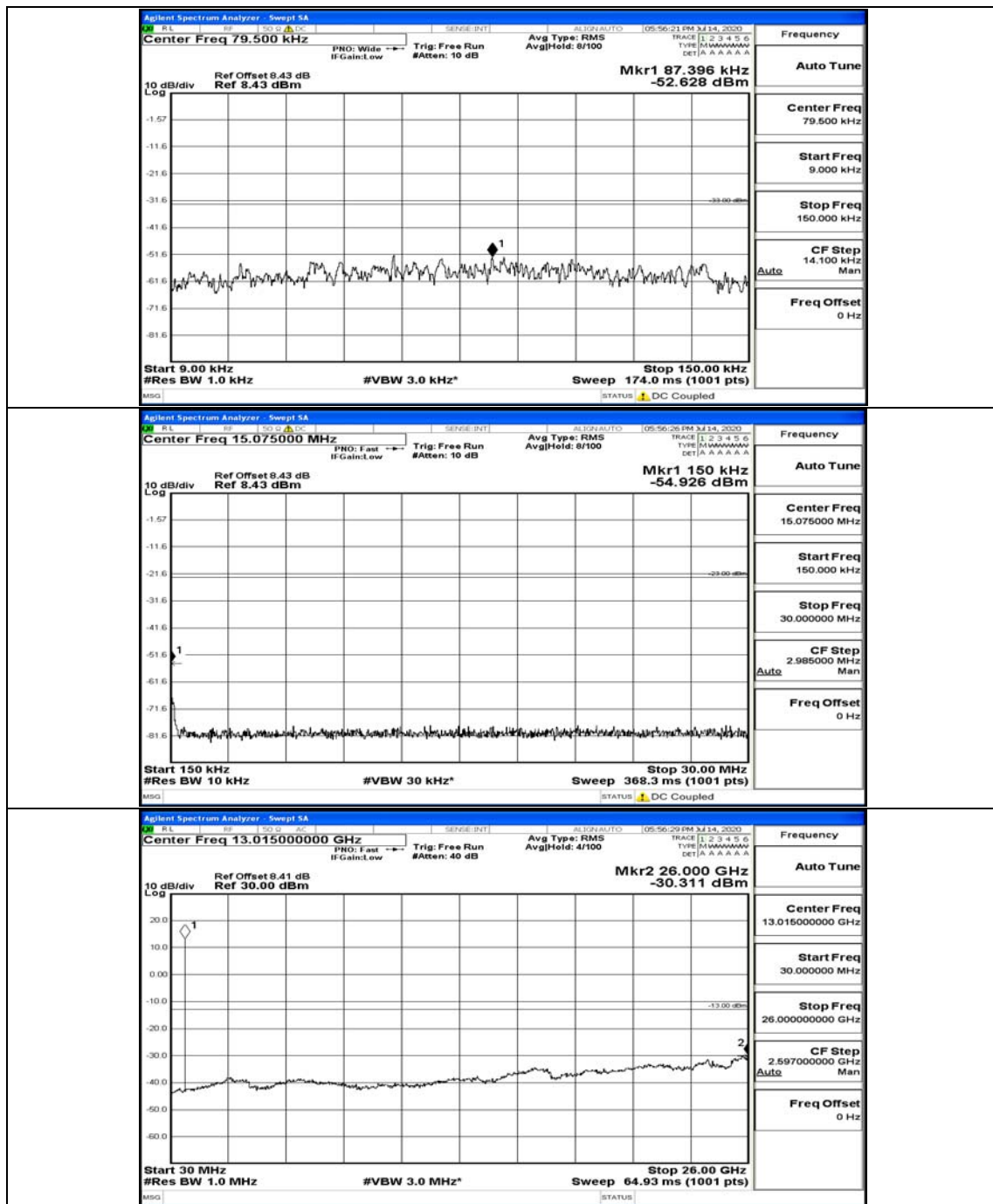




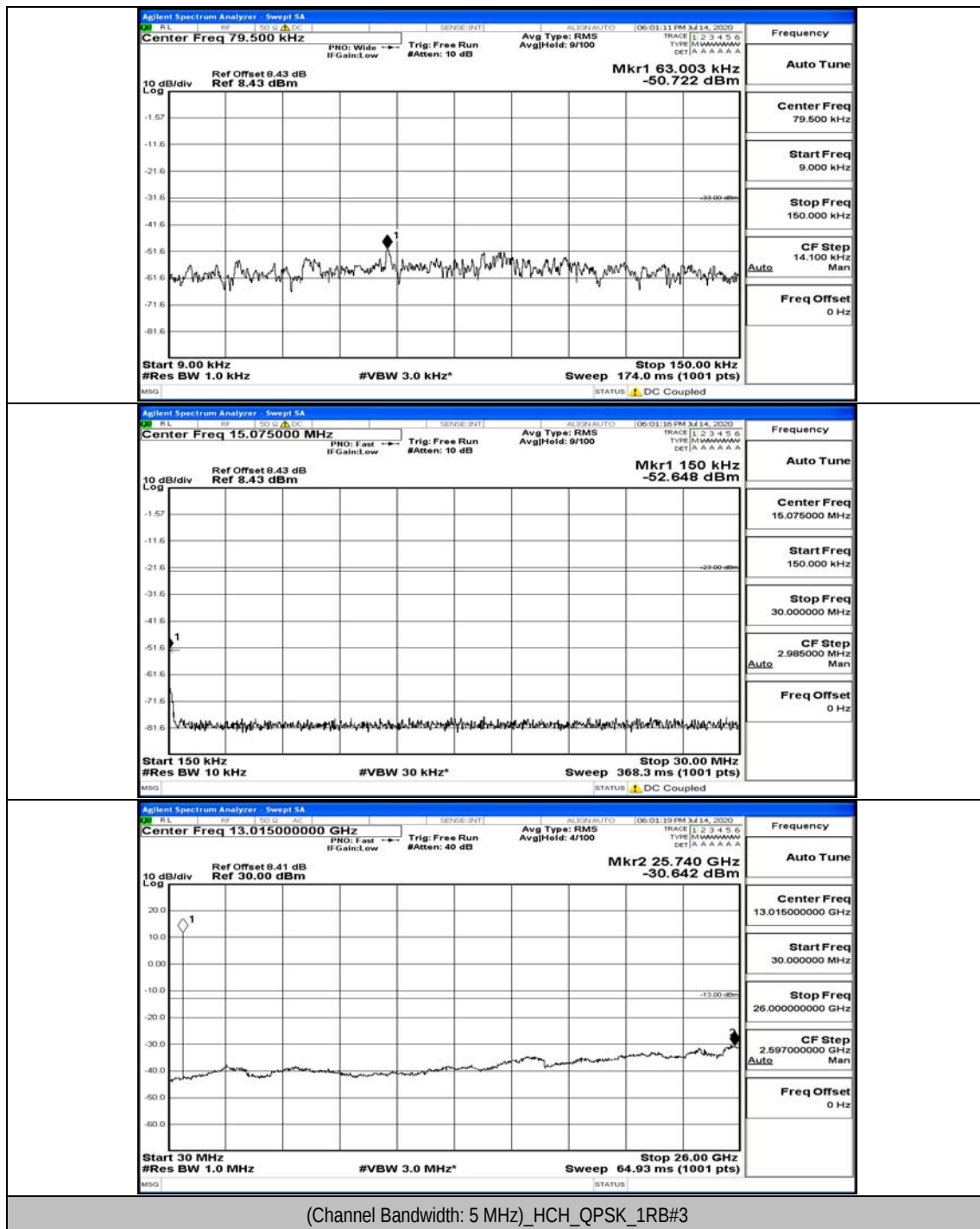
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

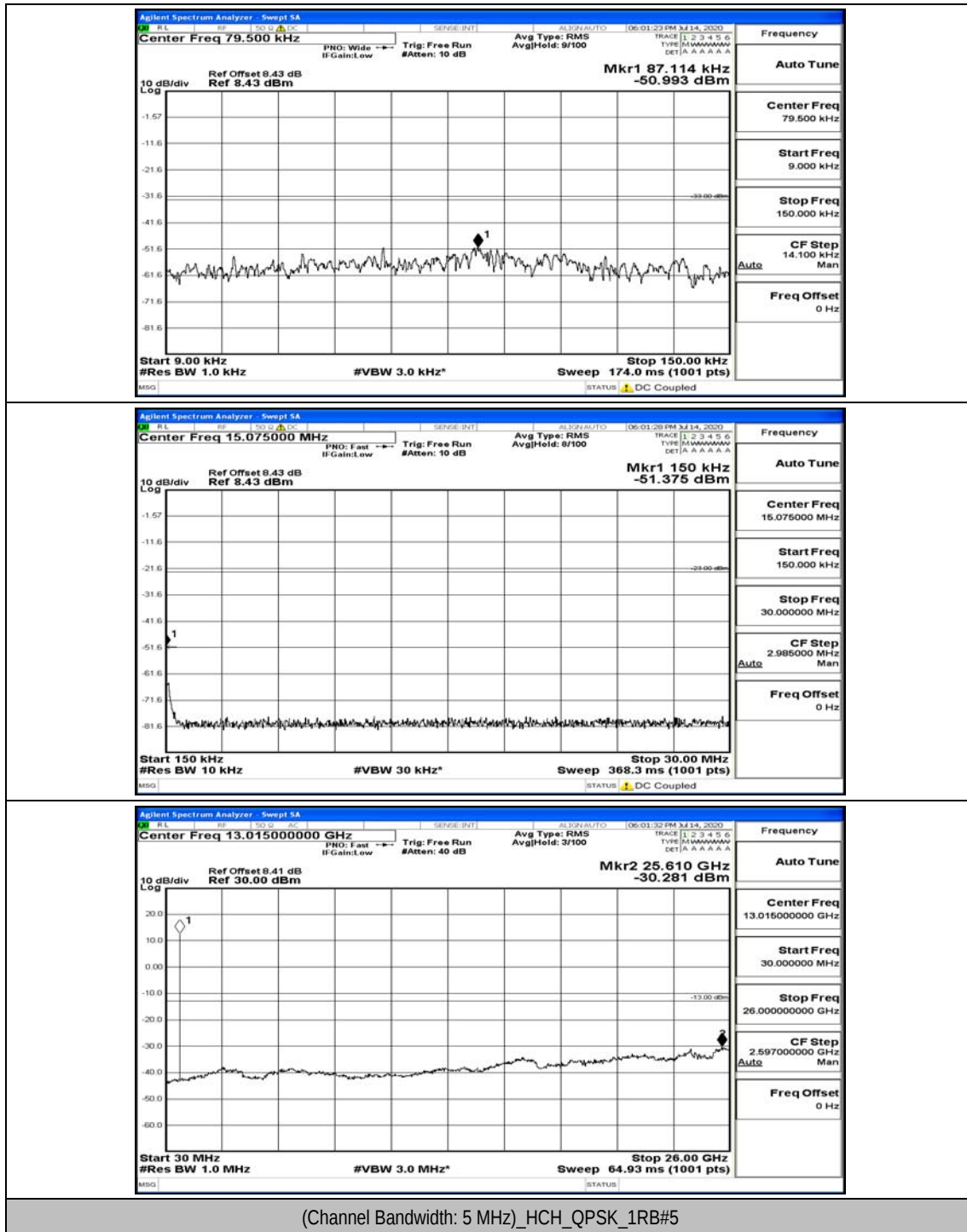


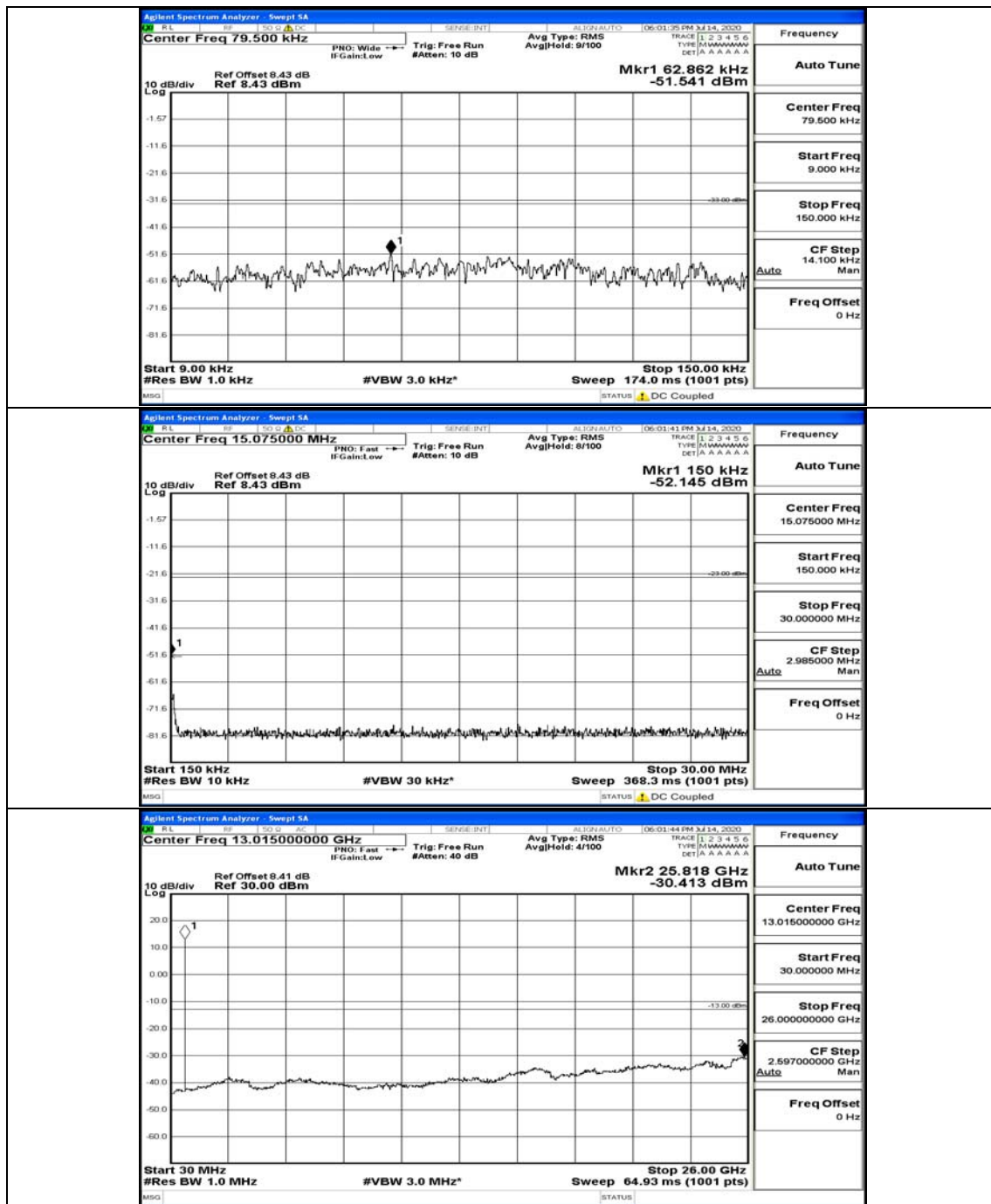




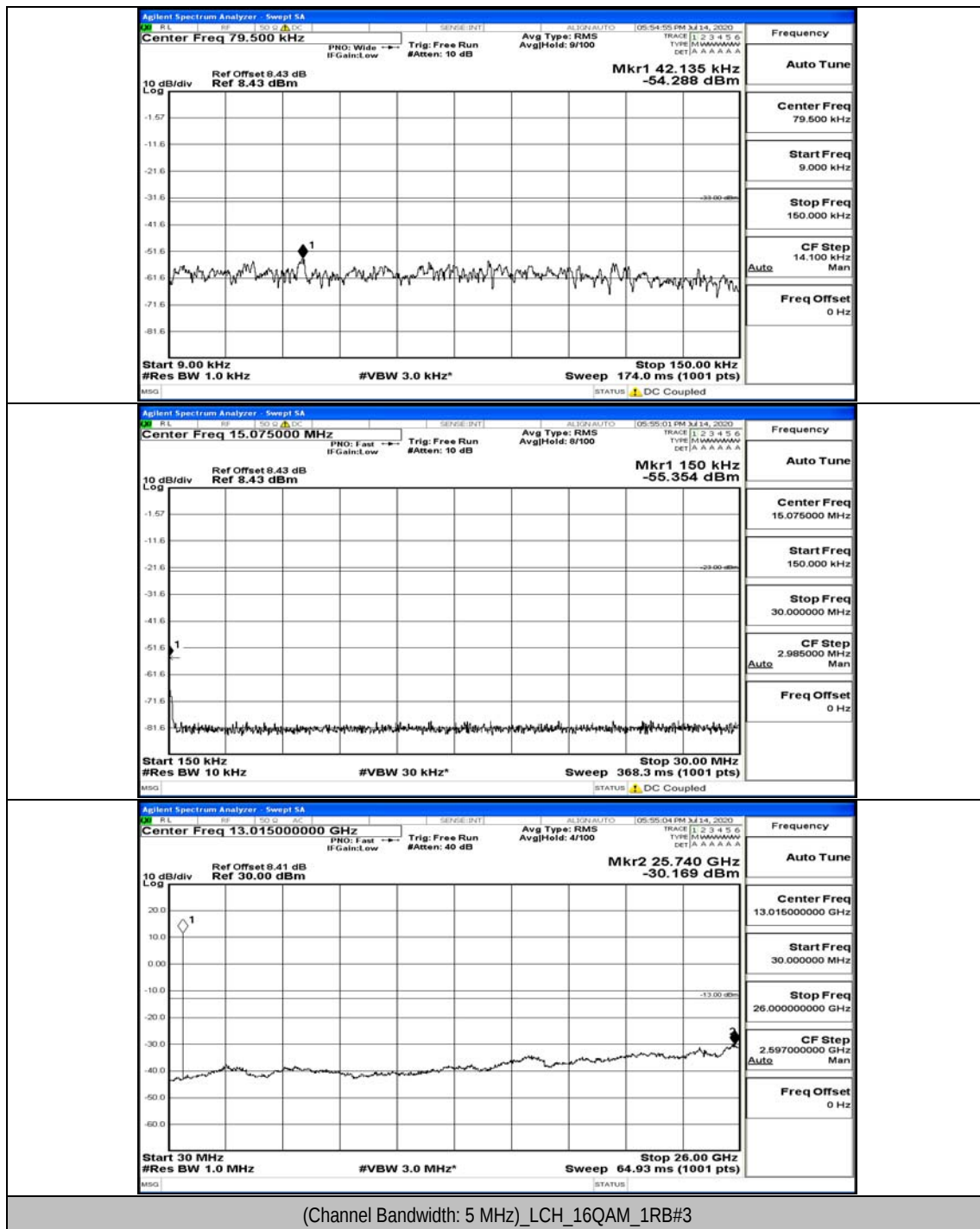
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

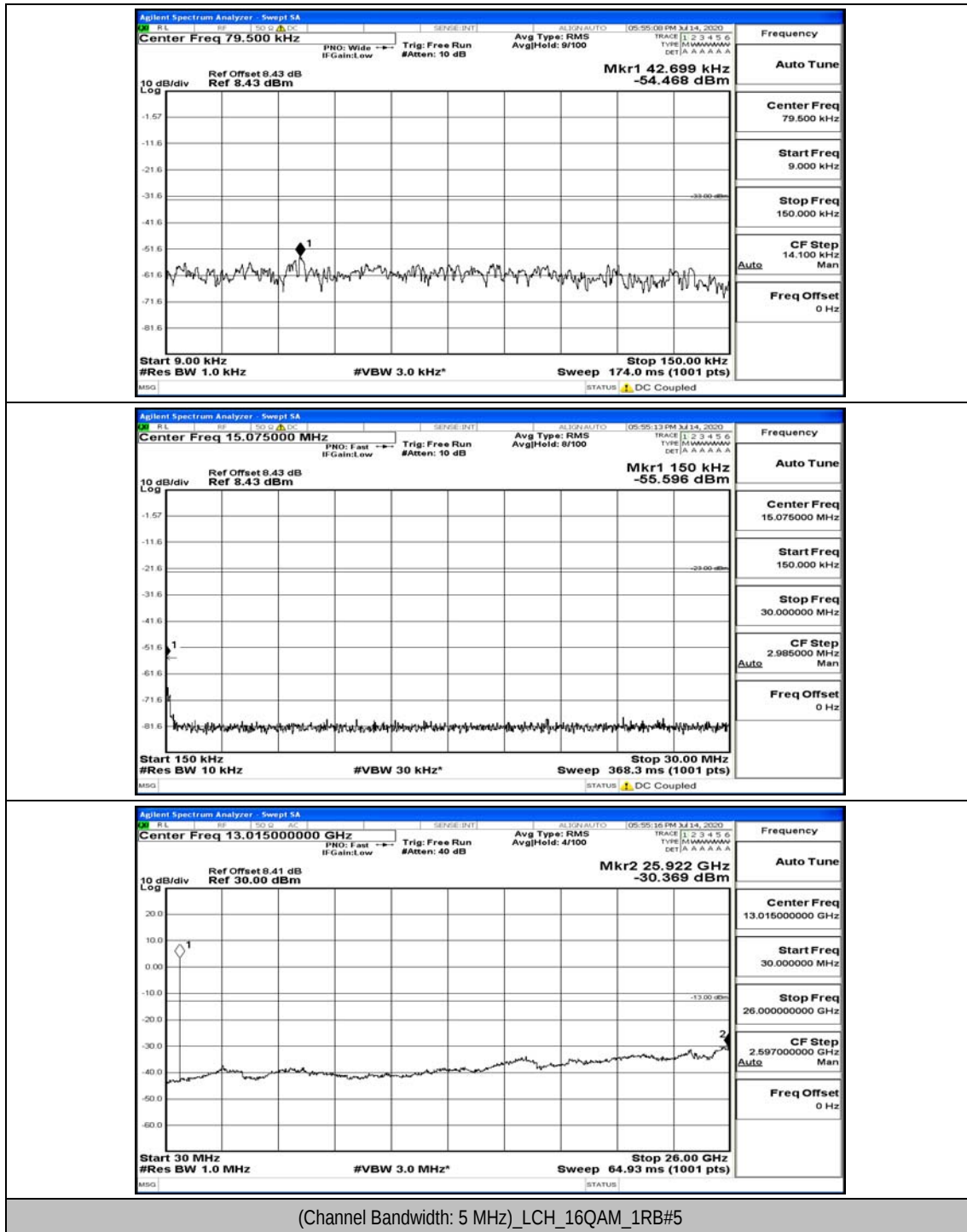


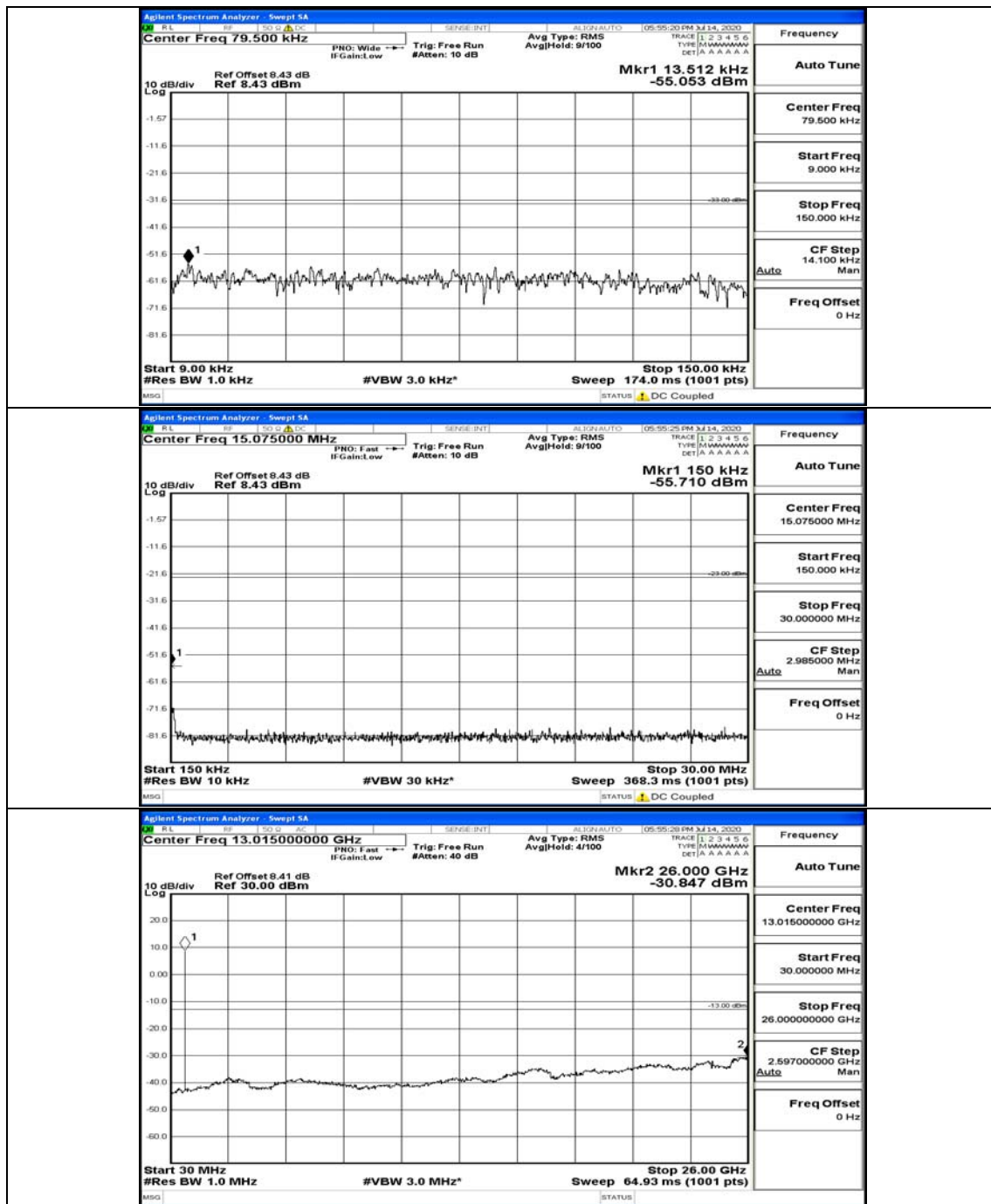




(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0







(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0