Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.34	21.94	PASS
		1	12	**23.49**	**22.09**	PASS
		1	24	23.31	21.91	PASS
		12	0	22.34	20.94	PASS
		12	6	22.38	20.98	PASS
		12	13	22.36	20.96	PASS
		25	0	22.33	20.93	PASS
	MCH	1	0	23.39	21.99	PASS
		1	12	23.48	22.08	PASS
		1	24	23.38	21.98	PASS
		12	0	22.44	21.04	PASS
		12	6	22.43	21.03	PASS
		12	13	22.38	20.98	PASS
		25	0	22.44	21.04	PASS
	HCH	1	0	23.27	21.87	PASS
		1	12	23.46	22.06	PASS
		1	24	23.31	21.91	PASS
		12	0	22.38	20.98	PASS
		12	6	22.41	21.01	PASS
		12	13	22.37	20.97	PASS
		25	0	22.43	21.03	PASS
16QAM	LCH	1	0	22.54	21.14	PASS
		1	12	22.68	21.28	PASS
		1	24	22.50	21.10	PASS
		12	0	21.44	20.04	PASS
		12	6	21.44	20.04	PASS
		12	13	21.40	20.00	PASS
		25	0	21.37	19.97	PASS
	MCH	1	0	22.39	20.99	PASS
		1	12	22.49	21.09	PASS
		1	24	22.39	20.99	PASS
		12	0	21.46	20.06	PASS
		12	6	21.49	20.09	PASS

		12	13	21.42	20.02	PASS
		25	0	21.50	20.10	PASS
	HCH	1	0	22.30	20.90	PASS
		1	12	22.44	21.04	PASS
		1	24	22.33	20.93	PASS
		12	0	21.41	20.01	PASS
		12	6	21.41	20.01	PASS
		12	13	21.40	20.00	PASS
		25	0	21.44	20.04	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.32	21.92	PASS
		1	24	23.41	22.01	PASS
		1	49	23.30	21.90	PASS
		25	0	22.48	21.08	PASS
		25	12	22.50	21.10	PASS
		25	25	22.49	21.09	PASS
		50	0	22.50	21.10	PASS
	MCH	1	0	23.34	21.94	PASS
		1	24	23.41	22.01	PASS
		1	49	23.30	21.90	PASS
		25	0	22.49	21.09	PASS
		25	12	22.47	21.07	PASS
		25	25	22.52	21.12	PASS
		50	0	22.49	21.09	PASS
	HCH	1	0	23.34	21.94	PASS
		1	24	23.43	22.03	PASS
		1	49	23.30	21.90	PASS
		25	0	22.47	21.07	PASS
		25	12	22.48	21.08	PASS
		25	25	22.50	21.10	PASS
		50	0	22.51	21.11	PASS
16QAM	LCH	1	0	22.57	21.17	PASS
		1	24	22.65	21.25	PASS
		1	49	22.49	21.09	PASS
		25	0	21.47	20.07	PASS
		25	12	21.51	20.11	PASS
		25	25	21.52	20.12	PASS
		50	0	21.50	20.10	PASS

	MCH	1	0	22.56	21.16	PASS
		1	24	22.60	21.20	PASS
		1	49	22.50	21.10	PASS
		25	0	21.48	20.08	PASS
		25	12	21.49	20.09	PASS
		25	25	21.52	20.12	PASS
		50	0	21.50	20.10	PASS
	HCH	1	0	22.54	21.14	PASS
		1	24	22.64	21.24	PASS
		1	49	22.50	21.10	PASS
		25	0	21.46	20.06	PASS
		25	12	21.48	20.08	PASS
		25	25	21.52	20.12	PASS
		50	0	21.47	20.07	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.51	<13	PASS
		1	12	4.51	<13	PASS
		1	24	4.52	<13	PASS
		12	0	5.03	<13	PASS
		12	6	5.03	<13	PASS
		12	13	5.03	<13	PASS
		25	0	5.12	<13	PASS
	MCH	1	0	4.53	<13	PASS
		1	12	4.19	<13	PASS
		1	24	4.18	<13	PASS
		12	0	5.07	<13	PASS
		12	6	5.06	<13	PASS
		12	13	4.91	<13	PASS
		25	0	4.93	<13	PASS
	HCH	1	0	4.47	<13	PASS
		1	12	4.16	<13	PASS
		1	24	4.29	<13	PASS
		12	0	4.81	<13	PASS
		12	6	4.82	<13	PASS
		12	13	4.68	<13	PASS
		25	0	4.86	<13	PASS
16QAM	LCH	1	0	5.06	<13	PASS
		1	12	5.14	<13	PASS
		1	24	5.1	<13	PASS
		12	0	5.93	<13	PASS
		12	6	5.89	<13	PASS
		12	13	5.94	<13	PASS
		25	0	5.95	<13	PASS
	MCH	1	0	5.26	<13	PASS
		1	12	4.95	<13	PASS
		1	24	4.82	<13	PASS
		12	0	5.86	<13	PASS

		12	6	5.91	<13	PASS
		12	13	5.68	<13	PASS
		25	0	5.8	<13	PASS
	HCH	1	0	5.13	<13	PASS
		1	12	4.9	<13	PASS
		1	24	4.93	<13	PASS
		12	0	5.69	<13	PASS
		12	6	5.72	<13	PASS
		12	13	5.56	<13	PASS
		25	0	5.65	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.31	<13	PASS
		1	24	4.15	<13	PASS
		1	49	4.03	<13	PASS
		25	0	5.02	<13	PASS
		25	12	5.02	<13	PASS
		25	25	4.79	<13	PASS
		50	0	5.06	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	24	4.09	<13	PASS
		1	49	3.99	<13	PASS
		25	0	5.05	<13	PASS
		25	12	5.04	<13	PASS
		25	25	4.76	<13	PASS
		50	0	5.07	<13	PASS
	HCH	1	0	4.29	<13	PASS
		1	24	4.19	<13	PASS
		1	49	3.95	<13	PASS
		25	0	5.04	<13	PASS
		25	12	5.03	<13	PASS
		25	25	4.76	<13	PASS
		50	0	5.06	<13	PASS
16QAM	LCH	1	0	5.1	<13	PASS
		1	24	5.05	<13	PASS
		1	49	4.96	<13	PASS
		25	0	5.91	<13	PASS
		25	12	5.92	<13	PASS

		25	25	5.66	<13	PASS
		50	0	5.89	<13	PASS
	MCH	1	0	5.11	<13	PASS
		1	24	5.03	<13	PASS
		1	49	4.91	<13	PASS
		25	0	5.92	<13	PASS
		25	12	5.89	<13	PASS
		25	25	5.66	<13	PASS
		50	0	5.86	<13	PASS
	HCH	1	0	5.14	<13	PASS
		1	24	5.06	<13	PASS
		1	49	4.88	<13	PASS
		25	0	5.89	<13	PASS
		25	12	5.94	<13	PASS
		25	25	5.68	<13	PASS
		50	0	5.89	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

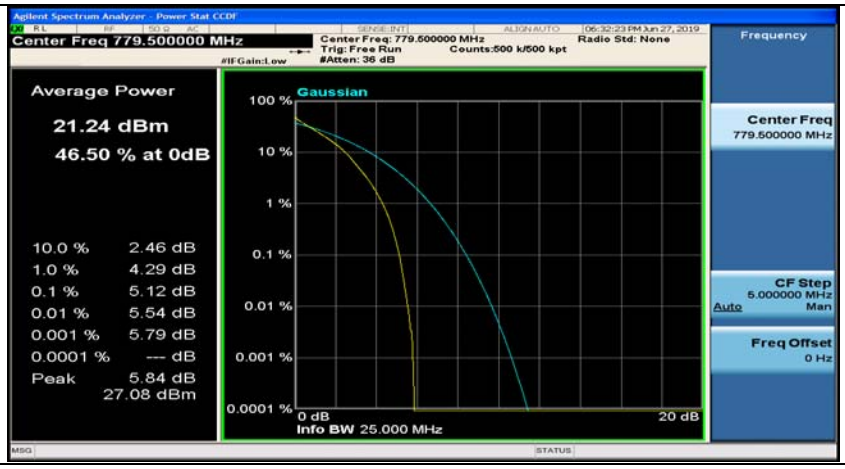
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

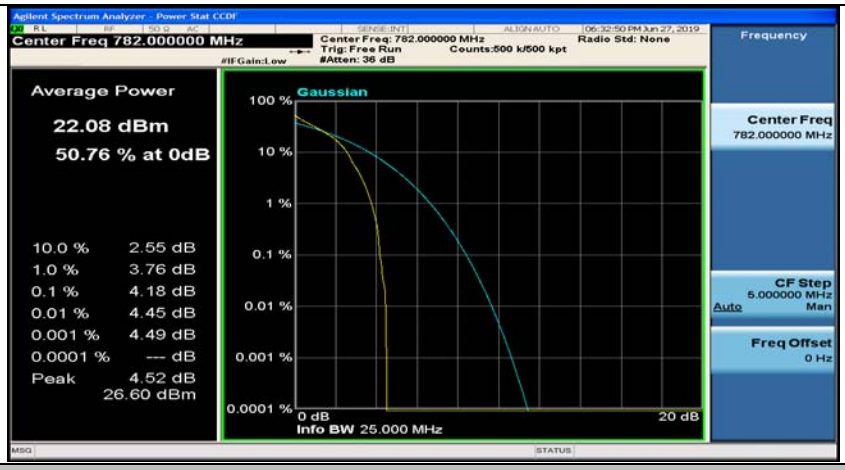
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

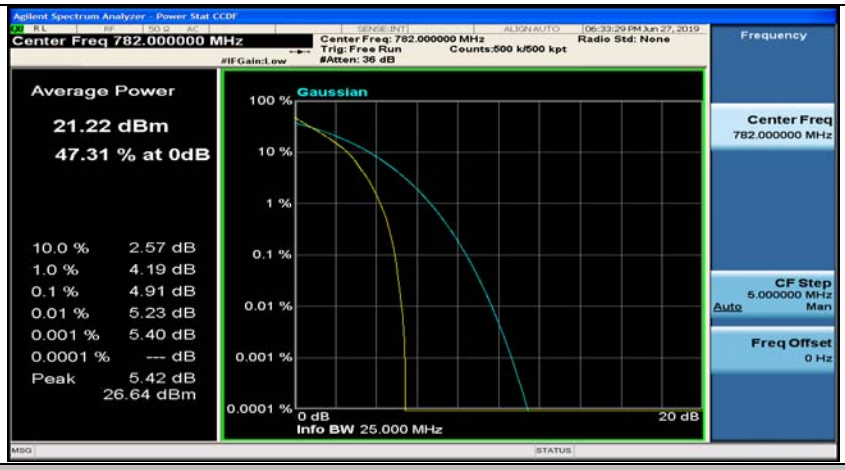
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

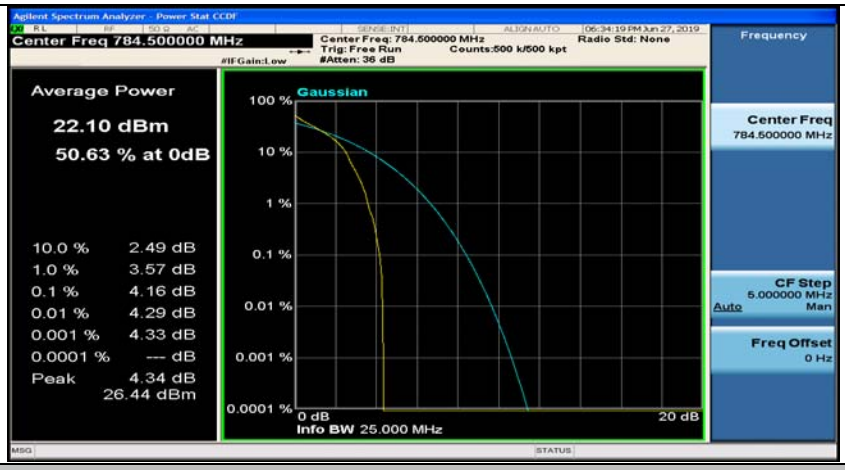
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

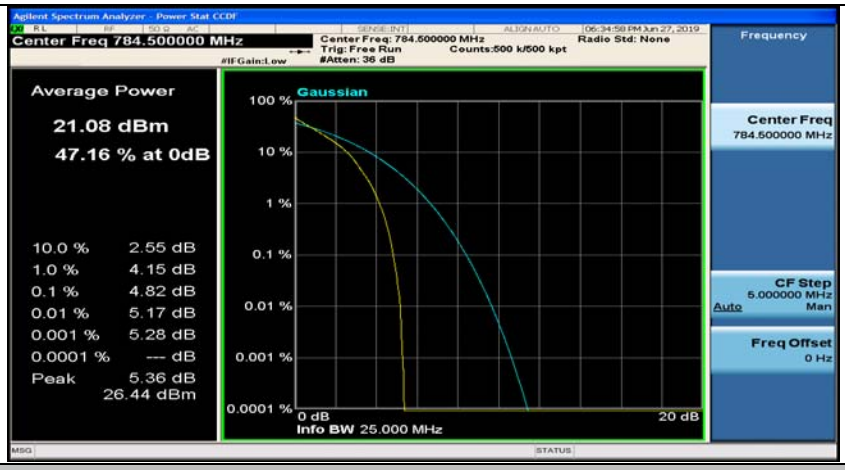
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

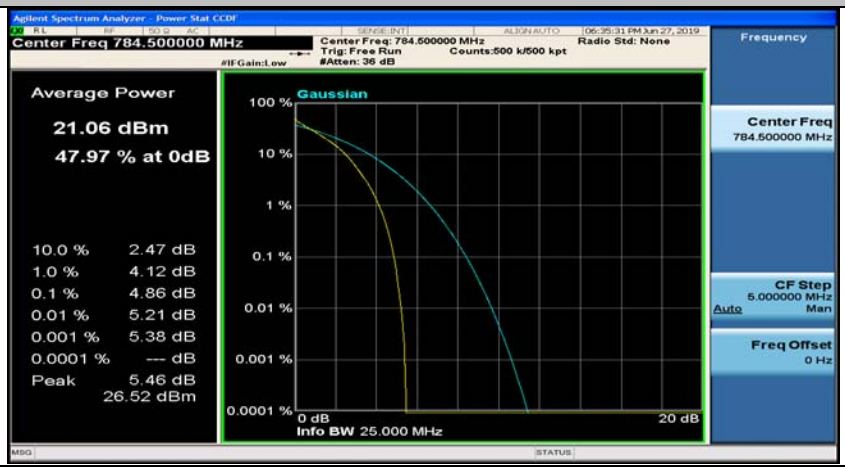
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

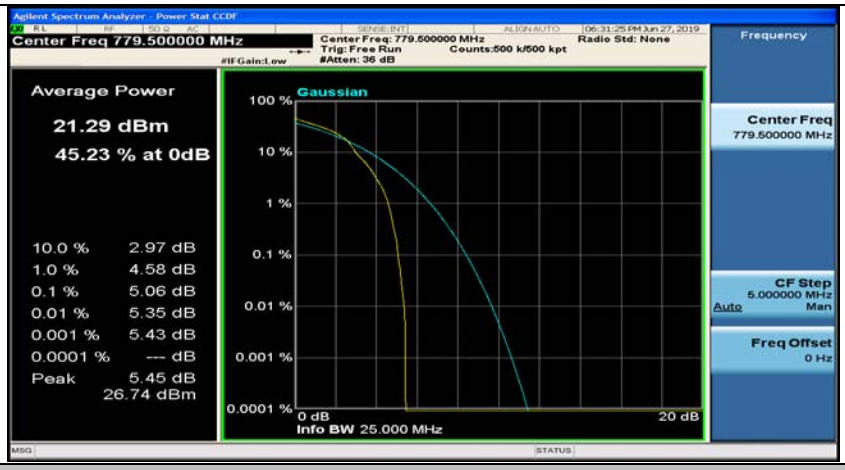


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



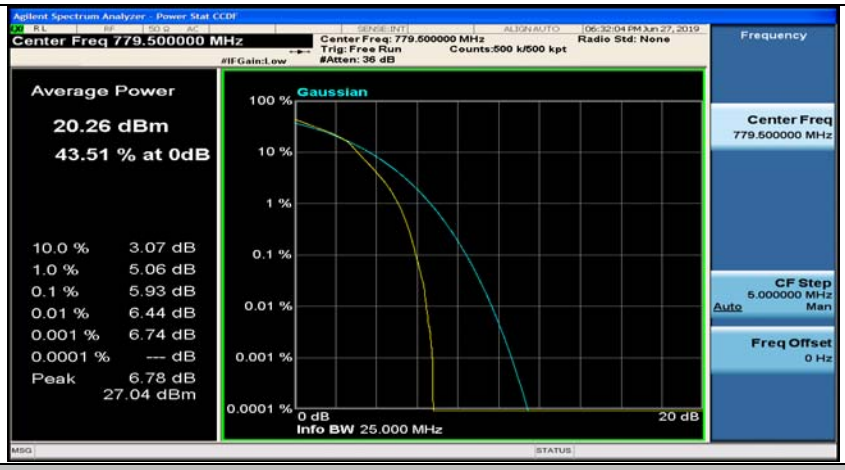
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

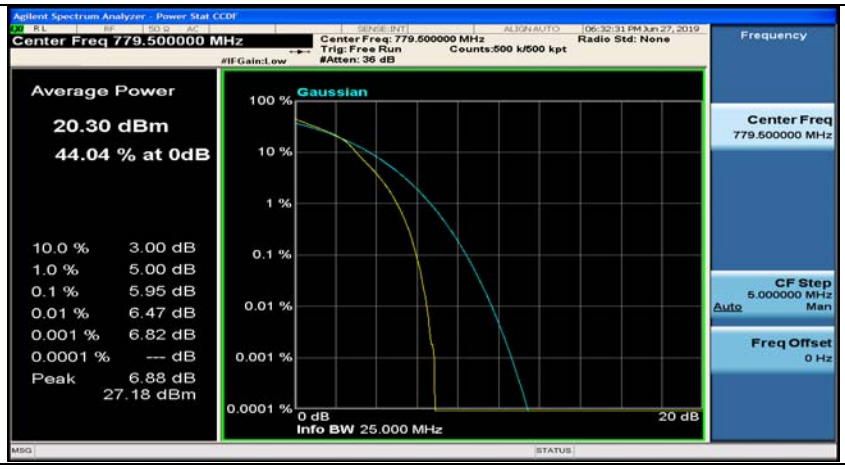
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

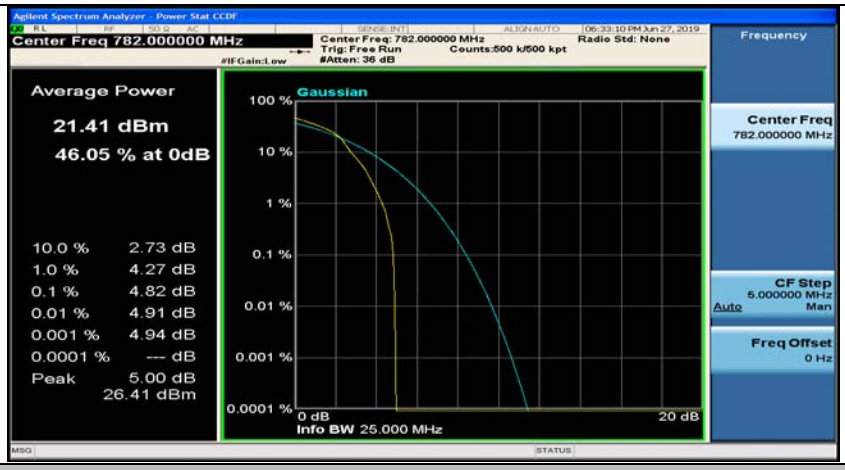
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

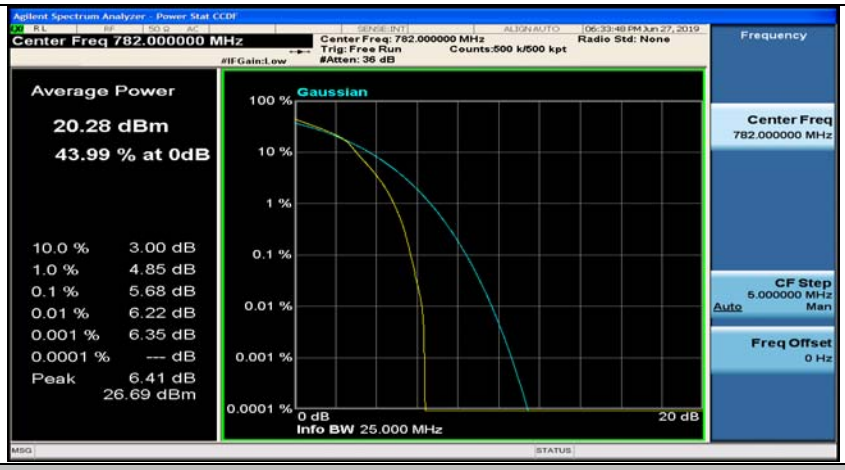
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

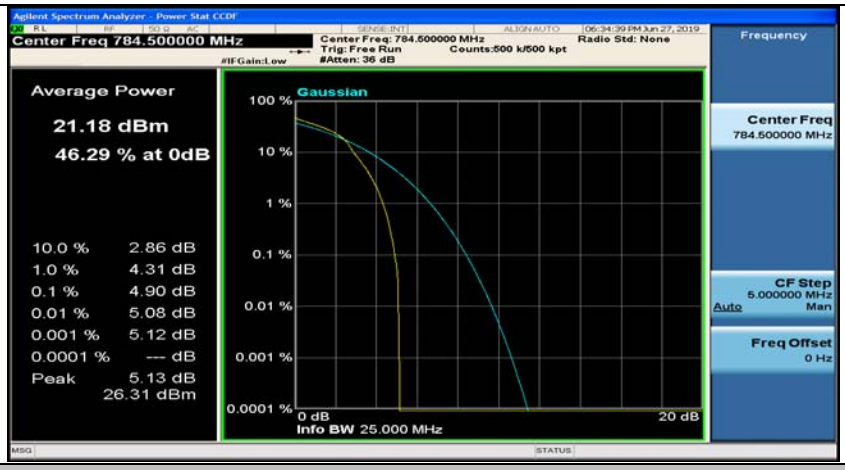
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

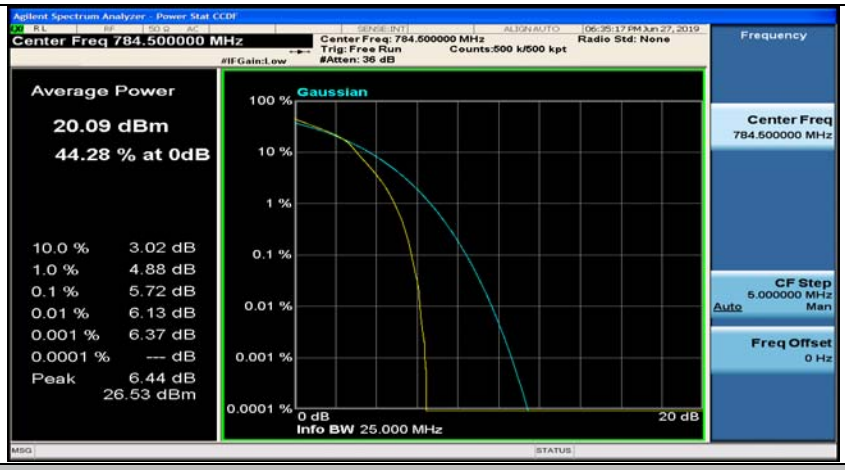
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

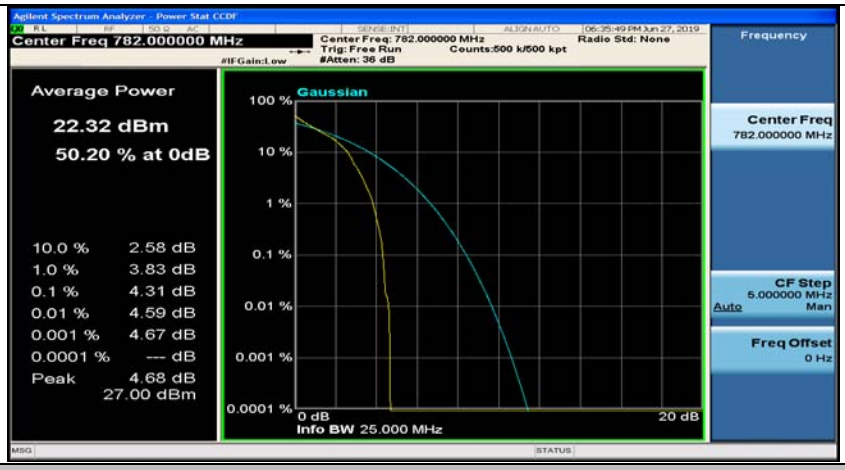


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

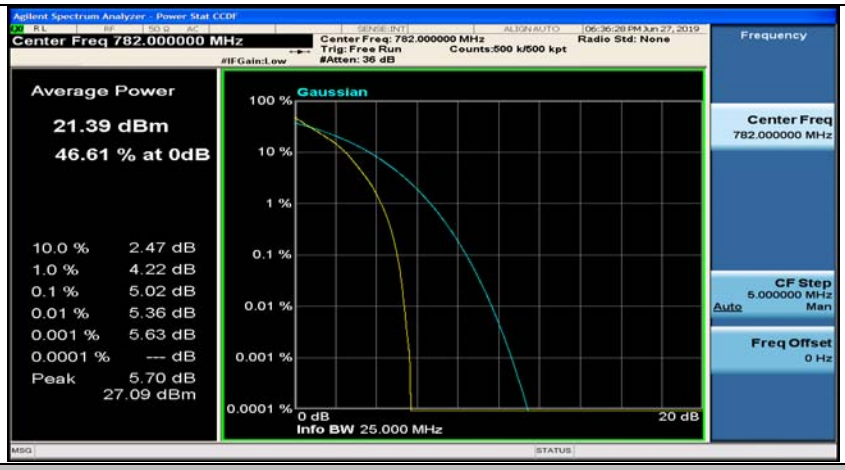
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

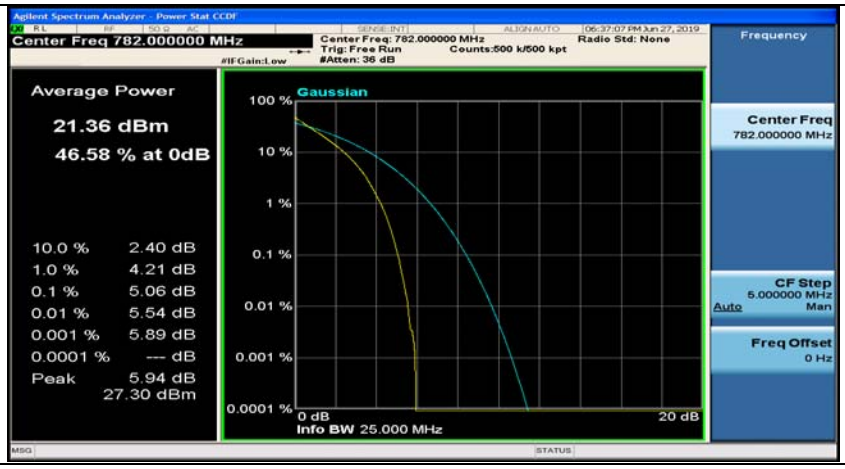
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

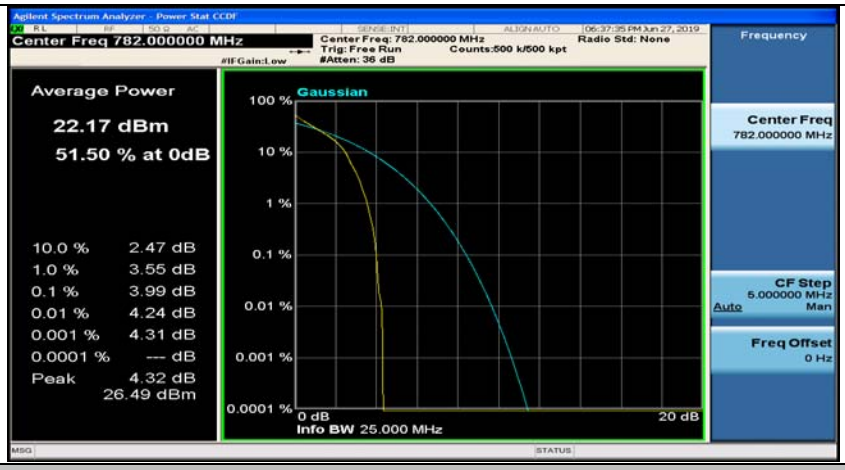
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

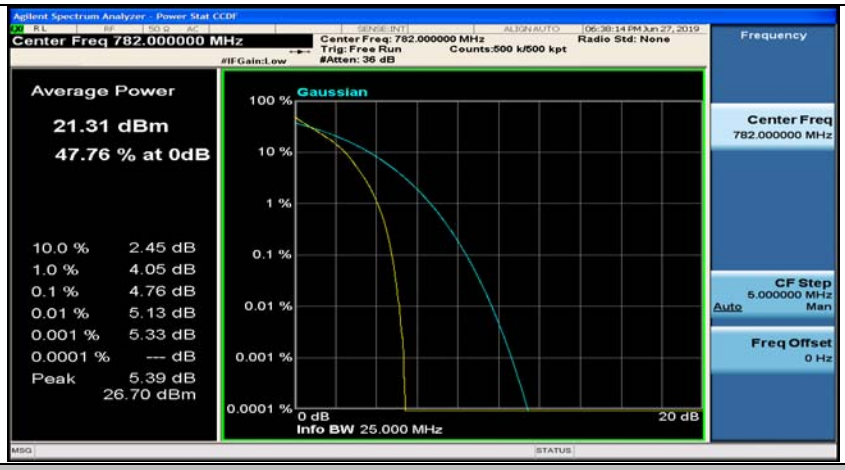
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

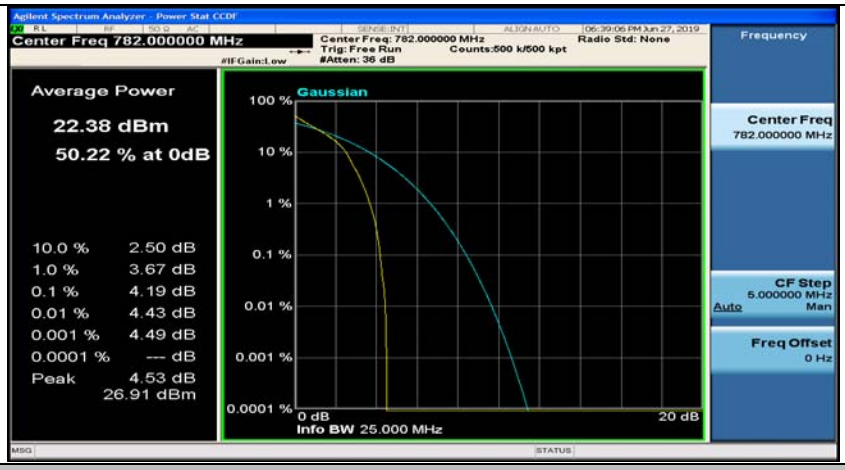
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

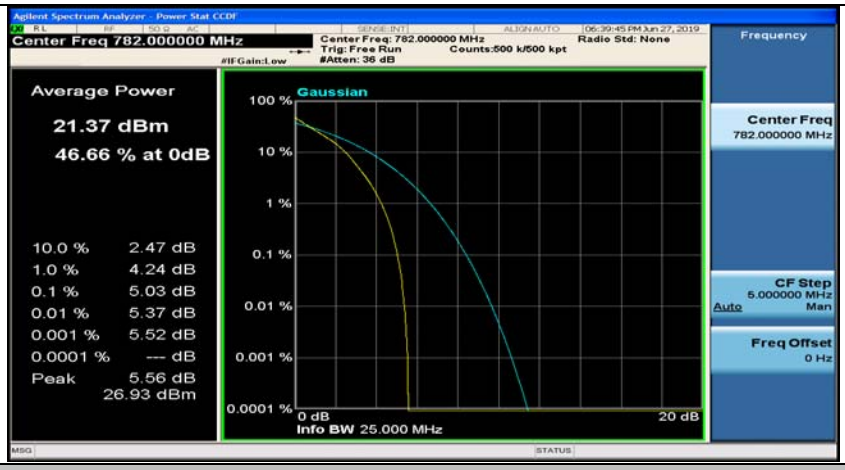
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

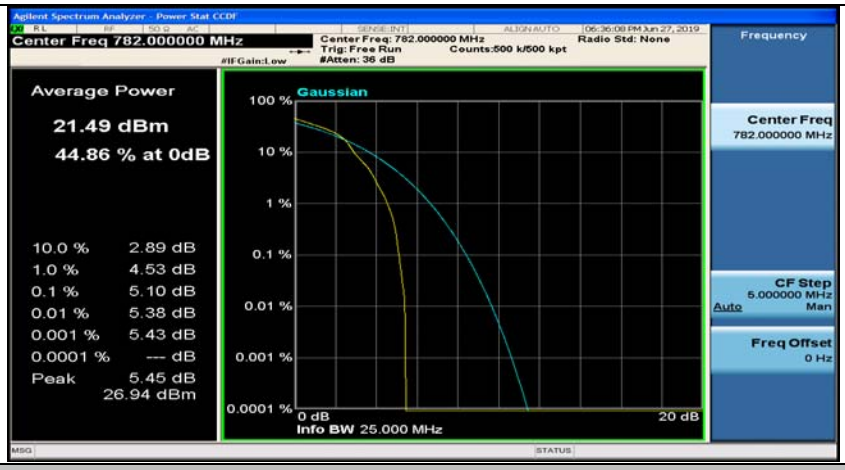
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

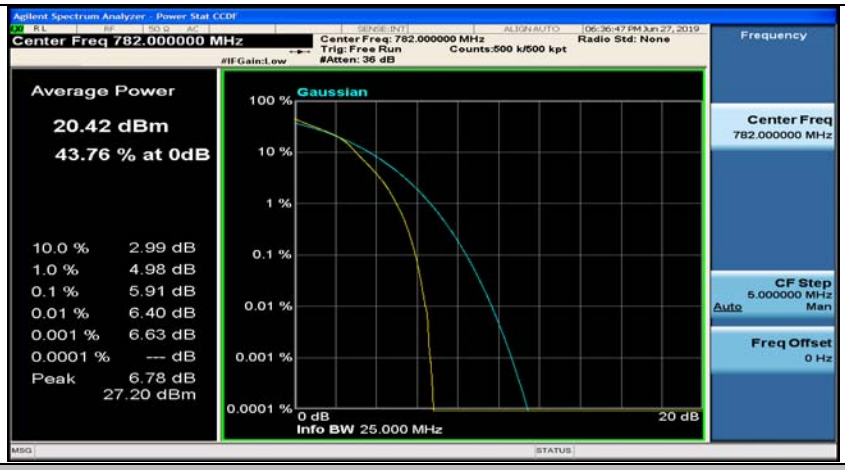
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

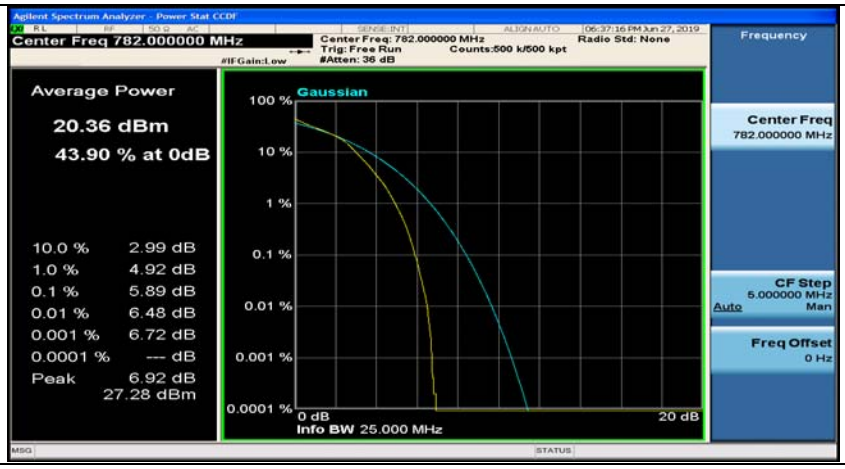
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

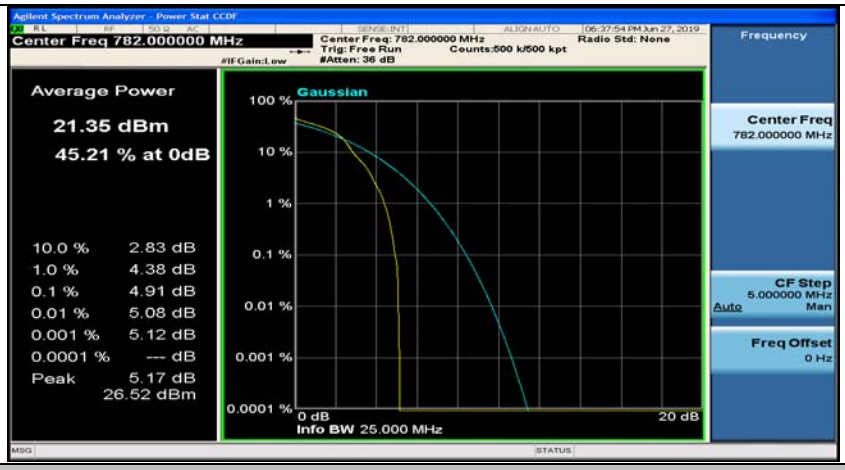
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

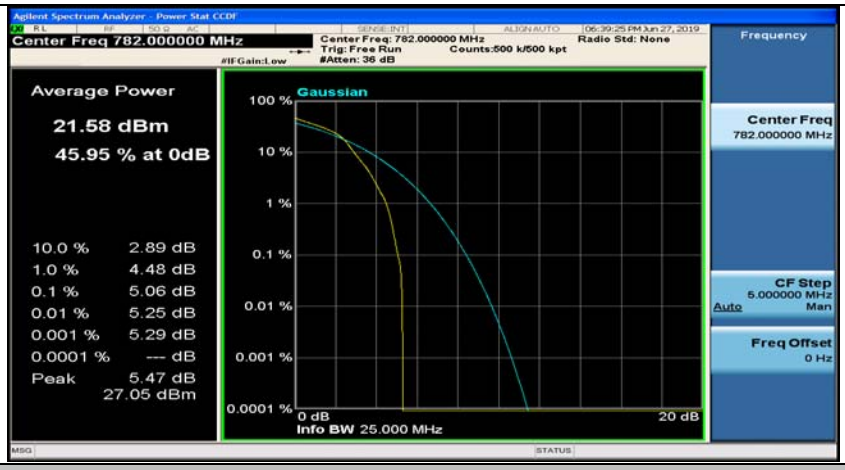
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

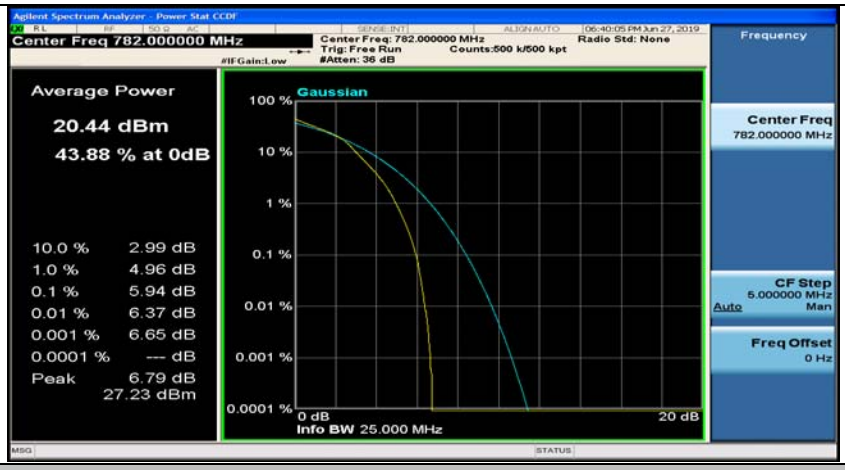
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.33284	0.5594	PASS
		1	12	0.34427	0.6341	PASS
		1	24	0.35117	0.5859	PASS
		12	0	2.1812	2.597	PASS
		12	6	2.1815	2.646	PASS
		12	13	2.1793	2.604	PASS
		25	0	4.4764	4.889	PASS
	MCH	1	0	0.34008	0.5479	PASS
		1	12	0.35246	0.5926	PASS
		1	24	0.34349	0.5494	PASS
		12	0	2.1815	2.602	PASS
		12	6	2.1763	2.536	PASS
		12	13	2.1777	2.580	PASS
		25	0	4.4760	4.862	PASS
	HCH	1	0	0.32986	0.5384	PASS
		1	12	0.34836	0.6024	PASS
		1	24	0.36039	0.6373	PASS
		12	0	2.1777	2.612	PASS
		12	6	2.1806	2.652	PASS
		12	13	2.1804	2.634	PASS
		25	0	4.4757	4.918	PASS
16QAM	LCH	1	0	0.36277	0.5572	PASS
		1	12	0.38266	0.5607	PASS
		1	24	0.36158	0.5603	PASS
		12	0	2.1759	2.511	PASS
		12	6	2.1807	2.598	PASS
		12	13	2.1794	2.617	PASS
		25	0	4.4775	4.915	PASS
	MCH	1	0	0.32535	0.5635	PASS
		1	12	0.36585	0.6018	PASS
		1	24	0.34470	0.5698	PASS

		12	0	2.1687	2.535	PASS
		12	6	2.1727	2.540	PASS
		12	13	2.1698	2.551	PASS
		25	0	4.4805	4.927	PASS
	HCH	1	0	0.36787	0.5705	PASS
		1	12	0.39023	0.6197	PASS
		1	24	0.36182	0.5809	PASS
		12	0	2.1804	2.587	PASS
		12	6	2.1788	2.626	PASS
		12	13	2.1748	2.627	PASS
		25	0	4.4794	4.857	PASS

Channel Bandwidth: 10 MHz

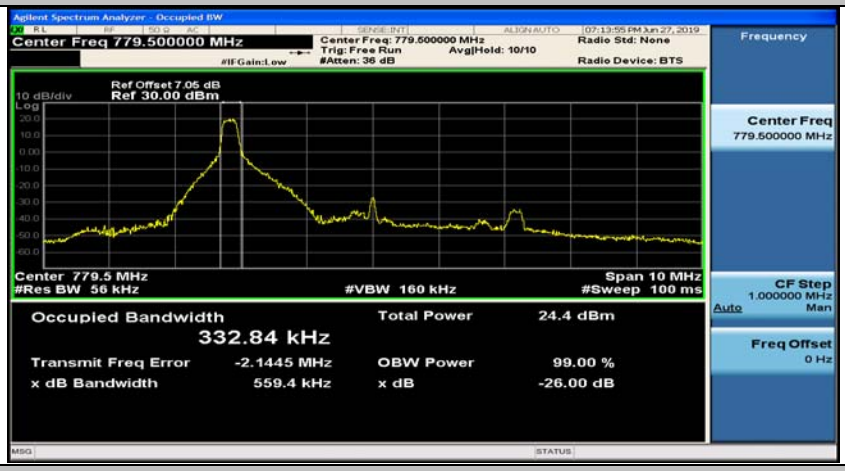
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.43885	0.7094	PASS
		1	25	0.43152	0.7288	PASS
		1	49	0.44727	0.6883	PASS
		25	0	4.5123	5.020	PASS
		25	12	4.5093	4.974	PASS
		25	25	4.5146	4.994	PASS
		50	0	8.9574	9.597	PASS
	MCH	1	0	0.43915	0.7168	PASS
		1	25	0.43862	0.6653	PASS
		1	49	0.43831	0.6810	PASS
		25	0	4.5104	4.937	PASS
		25	12	4.5161	4.988	PASS
		25	25	4.5144	4.991	PASS
		50	0	8.9565	9.531	PASS
	HCH	1	0	0.43144	0.6835	PASS
		1	25	0.44343	0.7056	PASS
		1	49	0.43454	0.7000	PASS
		25	0	4.5070	5.050	PASS
		25	12	4.5169	4.975	PASS
		25	25	4.5223	4.977	PASS
		50	0	8.9482	9.548	PASS
16QAM	LCH	1	0	0.43139	0.6534	PASS
		1	25	0.46121	0.7268	PASS
		1	49	0.46722	0.6808	PASS
		25	0	4.5127	5.043	PASS

		25	12	4.5050	4.981	PASS
		25	25	4.5113	4.937	PASS
		50	0	8.9418	9.439	PASS
	MCH	1	0	0.42900	0.6955	PASS
		1	25	0.46170	0.6911	PASS
		1	49	0.45453	0.7384	PASS
		25	0	4.5071	5.073	PASS
		25	12	4.5144	5.007	PASS
		25	25	4.5125	5.016	PASS
		50	0	8.9333	9.524	PASS
	HCH	1	0	0.42751	0.6716	PASS
		1	25	0.44410	0.7269	PASS
		1	49	0.46284	0.6835	PASS
		25	0	4.5086	5.076	PASS
		25	12	4.5159	5.031	PASS
		25	25	4.5164	5.054	PASS
		50	0	8.9406	9.555	PASS

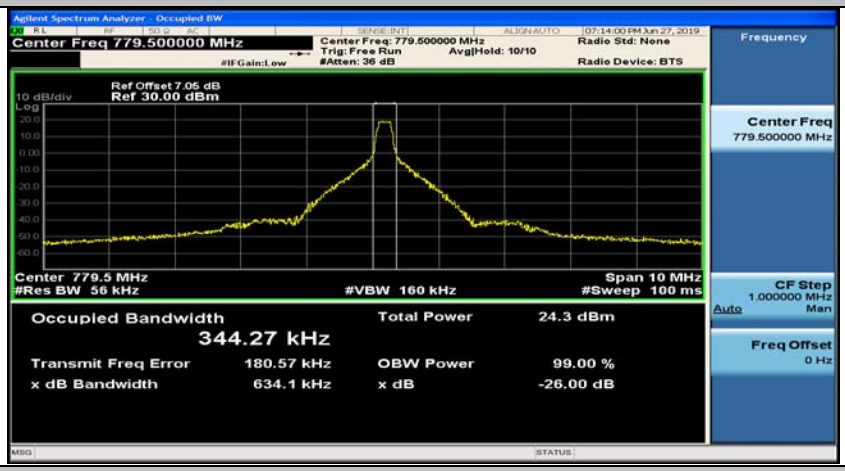
Test Graphs

Channel Bandwidth: 5 MHz

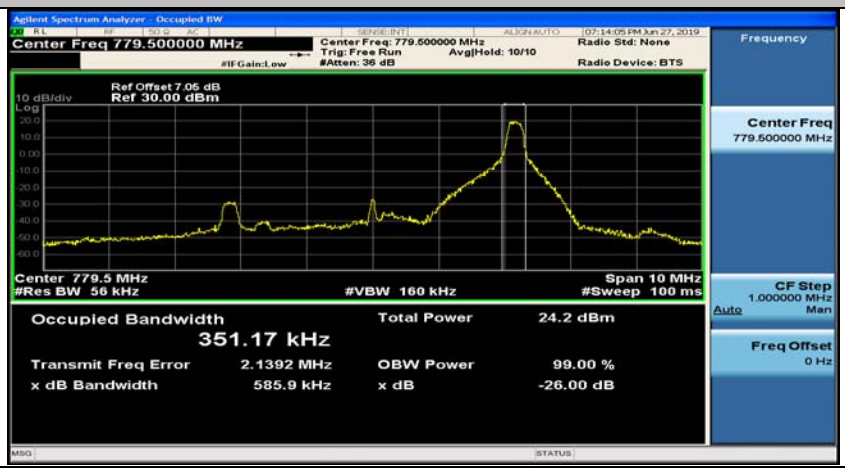
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



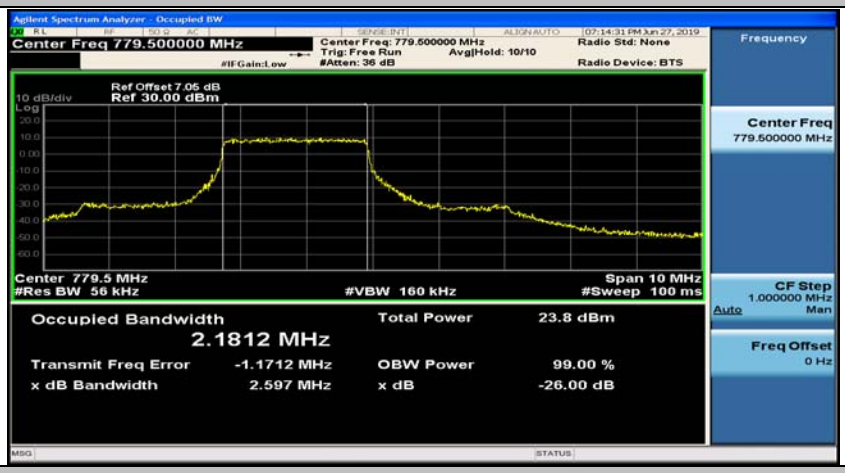
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



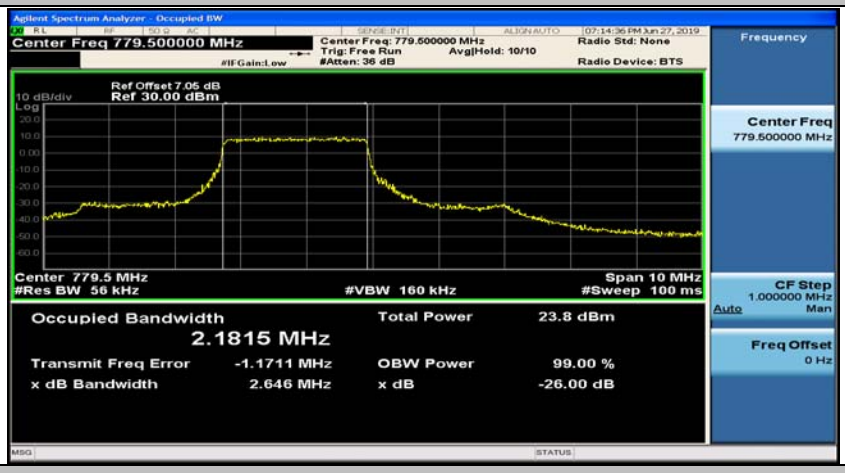
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



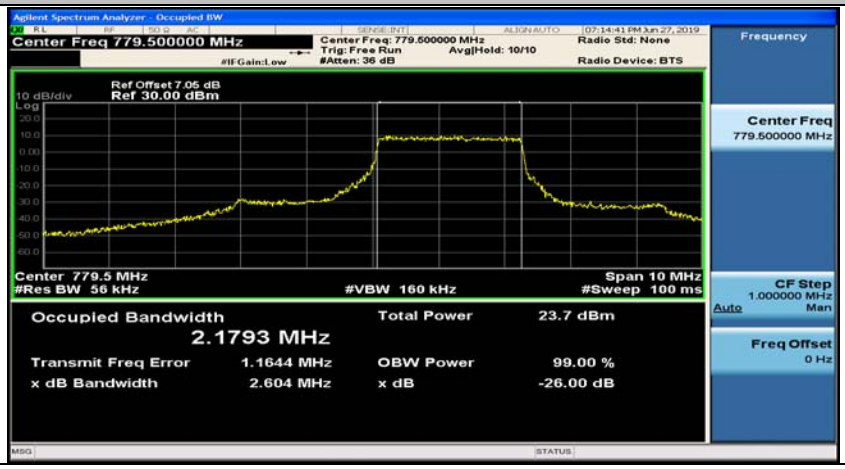
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



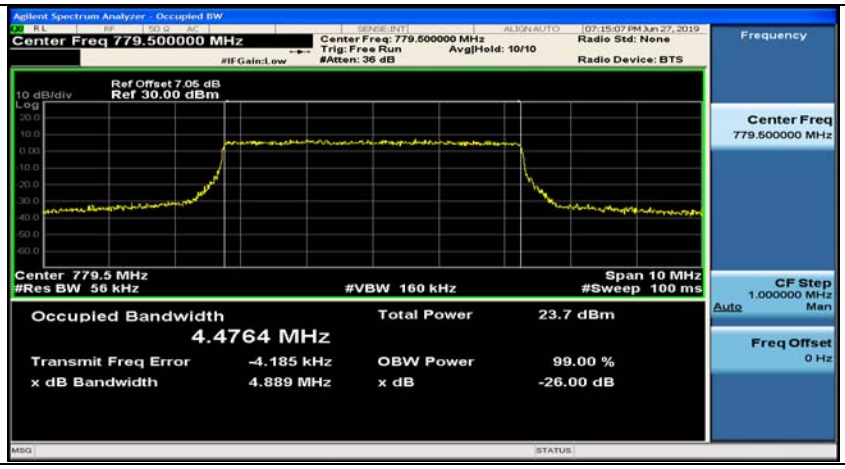
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



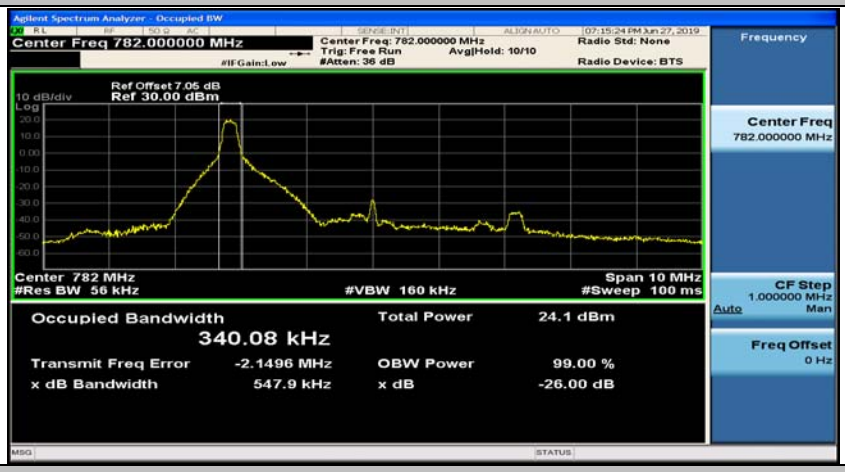
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



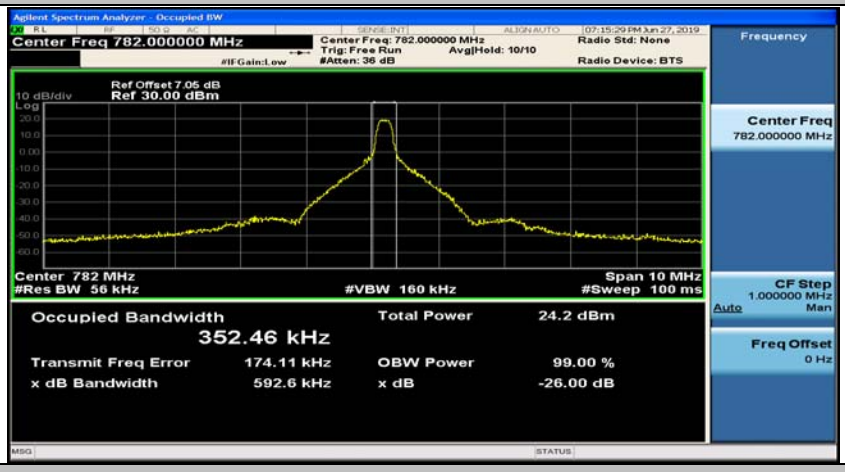
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24