Appendix D: Test Data For E-UTRA Band 17

D.1: RF Output Power

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	ERP [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.83		PASS
		1	12	21.71		PASS
		1	24	21.74		PASS
		12	0	20.80		PASS
		12	6	20.84		PASS
		12	13	20.85		PASS
		25	0	20.80		PASS
	MCH	1	0	21.90		PASS
		1	12	21.93		PASS
		1	24	21.90		PASS
		12	0	20.84		PASS
		12	6	20.75		PASS
		12	13	20.88		PASS
		25	0	20.78		PASS
	HCH	1	0	21.73		PASS
		1	12	21.85		PASS
		1	24	21.82		PASS
		12	0	20.80		PASS
		12	6	20.83		PASS
		12	13	20.69		PASS
		25	0	20.74		PASS
16QAM	LCH	1	0	20.73		PASS
		1	12	20.76		PASS
		1	24	20.70		PASS
		12	0	19.94		PASS
		12	6	19.94		PASS
		12	13	19.99		PASS
		25	0	19.89		PASS
	MCH	1	0	20.56		PASS
		1	12	20.54		PASS
		1	24	20.57		PASS
		12	0	19.96		PASS
		12	6	19.83		PASS
		12	13	19.88		PASS
		25	0	19.70		PASS
	HCH	1	0	20.75		PASS
		1	12	20.81		PASS
		1	24	20.86		PASS

		12	0	19.85		PASS
		12	6	19.84		PASS
		12	13	19.77		PASS
		25	0	19.85		PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	ERP [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.41		PASS
		1	24	21.34		PASS
		1	49	20.91		PASS
		25	0	20.43		PASS
		25	12	20.39		PASS
		25	25	20.23		PASS
		50	0	20.32		PASS
	MCH	1	0	20.56		PASS
		1	24	20.85		PASS
		1	49	21.02		PASS
		25	0	19.87		PASS
		25	12	19.88		PASS
		25	25	19.93		PASS
		50	0	19.79		PASS
	HCH	1	0	21.46		PASS
		1	24	21.57		PASS
		1	49	21.35		PASS
		25	0	20.49		PASS
		25	12	20.51		PASS
		25	25	20.49		PASS
		50	0	20.38		PASS
16QAM	LCH	1	0	20.39		PASS
		1	24	20.36		PASS
		1	49	20.06		PASS
		25	0	19.51		PASS
		25	12	19.38		PASS
		25	25	19.38		PASS
		50	0	19.35		PASS
	MCH	1	0	19.75		PASS
		1	24	19.77		PASS
		1	49	19.95		PASS
		25	0	18.80		PASS
		25	12	18.87		PASS
		25	25	18.93		PASS
		50	0	18.87		PASS
	HCH	1	0	20.43		PASS

		1	24	20.50		PASS
		1	49	20.29		PASS
		25	0	19.57		PASS
		25	12	19.55		PASS
		25	25	19.45		PASS
		50	0	19.43		PASS

D.2: Peak-to-Average Ratio

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.34	<13	PASS
		1	12	3.06	<13	PASS
		1	24	3.09	<13	PASS
		12	0	4.52	<13	PASS
		12	6	4.29	<13	PASS
		12	13	4.27	<13	PASS
		25	0	4.81	<13	PASS
	MCH	1	0	3.05	<13	PASS
		1	12	3.57	<13	PASS
		1	24	3.79	<13	PASS
		12	0	4.40	<13	PASS
		12	6	4.56	<13	PASS
		12	13	4.75	<13	PASS
		25	0	4.85	<13	PASS
	HCH	1	0	3.69	<13	PASS
		1	12	3.84	<13	PASS
		1	24	3.16	<13	PASS
		12	0	4.94	<13	PASS
		12	6	4.98	<13	PASS
		12	13	4.91	<13	PASS
		25	0	5.19	<13	PASS
16QAM	LCH	1	0	4.33	<13	PASS
		1	12	4.05	<13	PASS
		1	24	4.12	<13	PASS
		12	0	5.28	<13	PASS
		12	6	5.10	<13	PASS
		12	13	5.11	<13	PASS
		25	0	5.51	<13	PASS
	MCH	1	0	3.87	<13	PASS
		1	12	4.31	<13	PASS
		1	24	4.66	<13	PASS
		12	0	5.22	<13	PASS
		12	6	5.42	<13	PASS
		12	13	5.70	<13	PASS
		25	0	5.65	<13	PASS
	HCH	1	0	4.68	<13	PASS
		1	12	4.92	<13	PASS
		1	24	4.03	<13	PASS

		12	0	5.68	<13	PASS
		12	6	5.74	<13	PASS
		12	13	5.59	<13	PASS
		25	0	5.92	<13	PASS

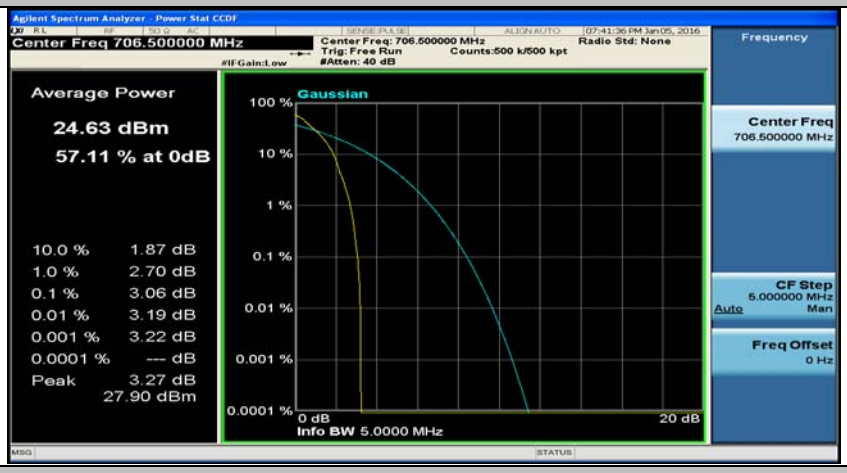
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.36	<13	PASS
		1	24	3.21	<13	PASS
		1	49	3.91	<13	PASS
		25	0	4.60	<13	PASS
		25	12	4.67	<13	PASS
		25	25	4.90	<13	PASS
		50	0	5.06	<13	PASS
	MCH	1	0	3.21	<13	PASS
		1	24	3.48	<13	PASS
		1	49	3.72	<13	PASS
		25	0	4.66	<13	PASS
		25	12	4.65	<13	PASS
		25	25	5.01	<13	PASS
		50	0	5.05	<13	PASS
	HCH	1	0	3.01	<13	PASS
		1	24	3.60	<13	PASS
		1	49	3.29	<13	PASS
		25	0	4.75	<13	PASS
		25	12	4.83	<13	PASS
		25	25	5.01	<13	PASS
		50	0	5.06	<13	PASS
16QAM	LCH	1	0	4.35	<13	PASS
		1	24	4.18	<13	PASS
		1	49	4.79	<13	PASS
		25	0	5.36	<13	PASS
		25	12	5.48	<13	PASS
		25	25	5.70	<13	PASS
		50	0	5.80	<13	PASS
	MCH	1	0	4.25	<13	PASS
		1	24	4.46	<13	PASS
		1	49	4.81	<13	PASS
		25	0	5.40	<13	PASS
		25	12	5.47	<13	PASS
		25	25	5.81	<13	PASS
		50	0	5.82	<13	PASS
	HCH	1	0	5.17	<13	PASS

		1	24	5.31	<13	PASS
		1	49	5.45	<13	PASS
		25	0	5.96	<13	PASS
		25	12	5.99	<13	PASS
		25	25	6.01	<13	PASS
		50	0	6.05	<13	PASS

Test Graphs

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

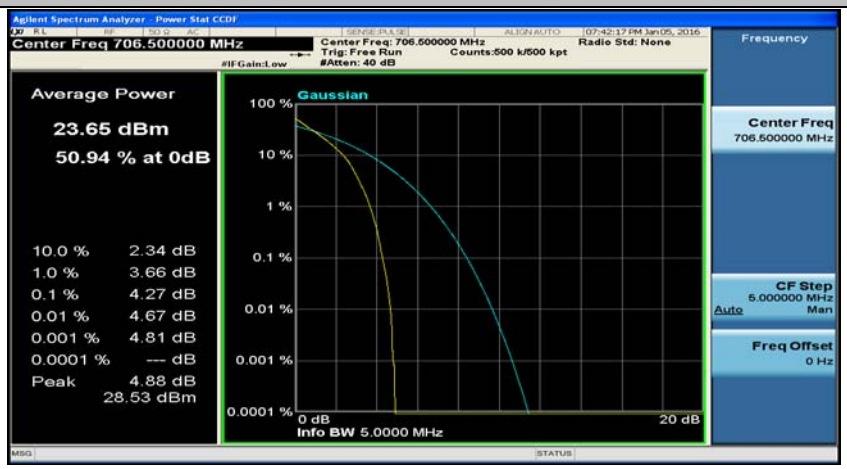


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

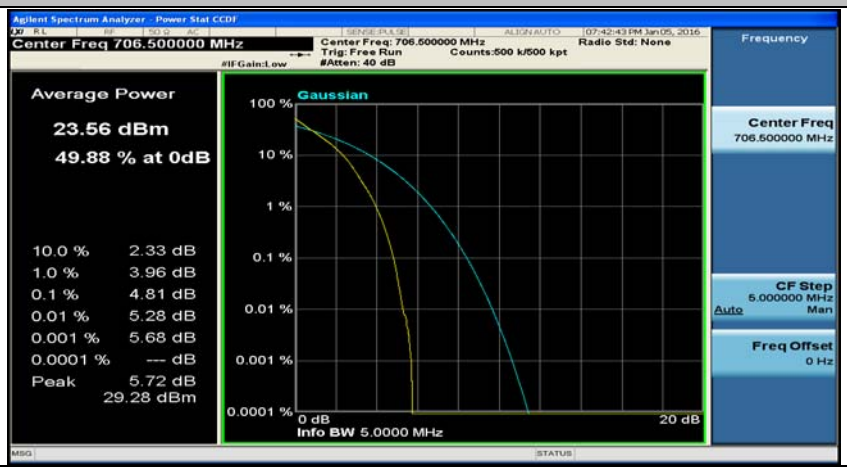
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(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

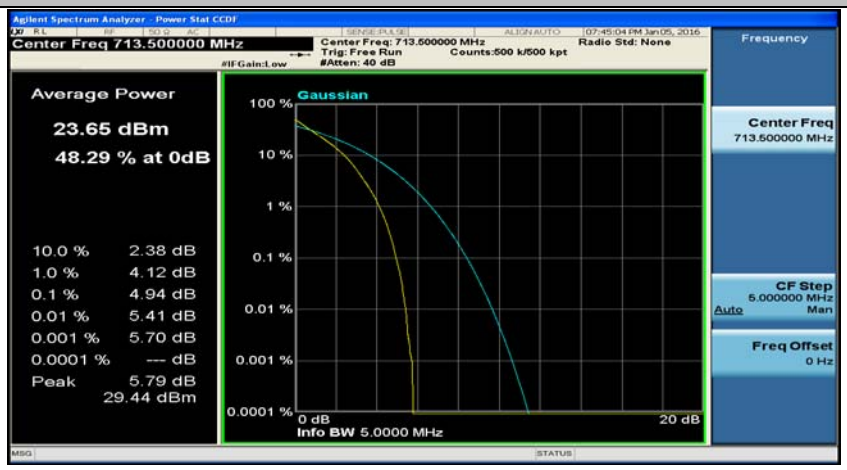
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

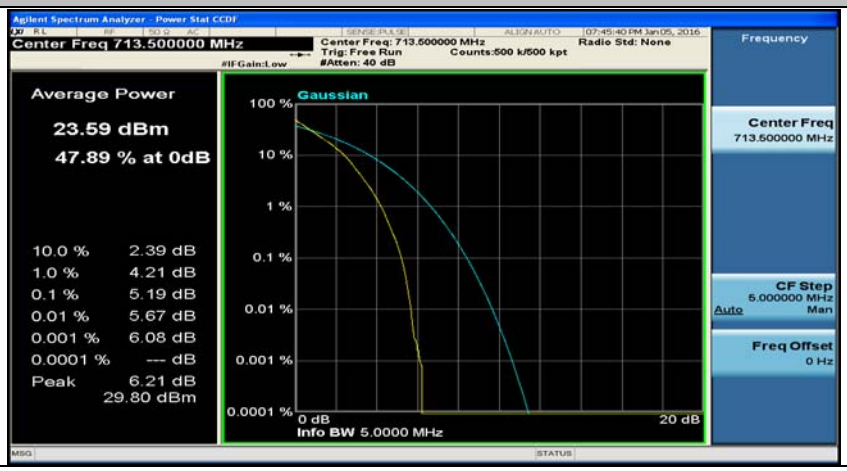
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

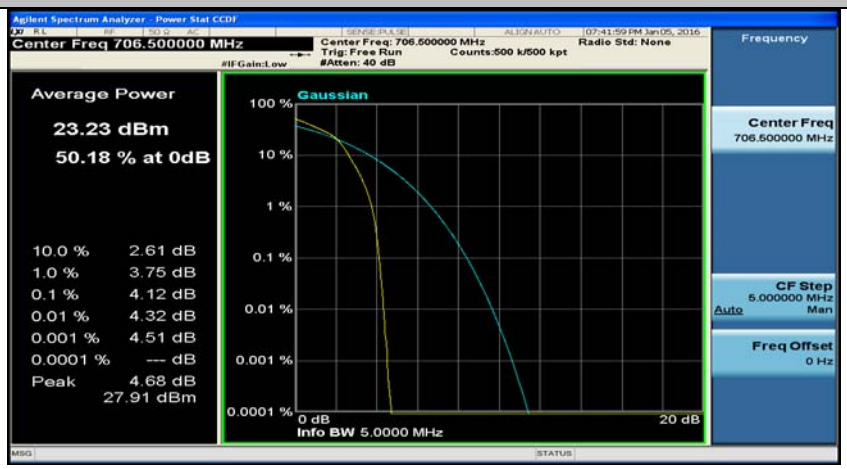
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

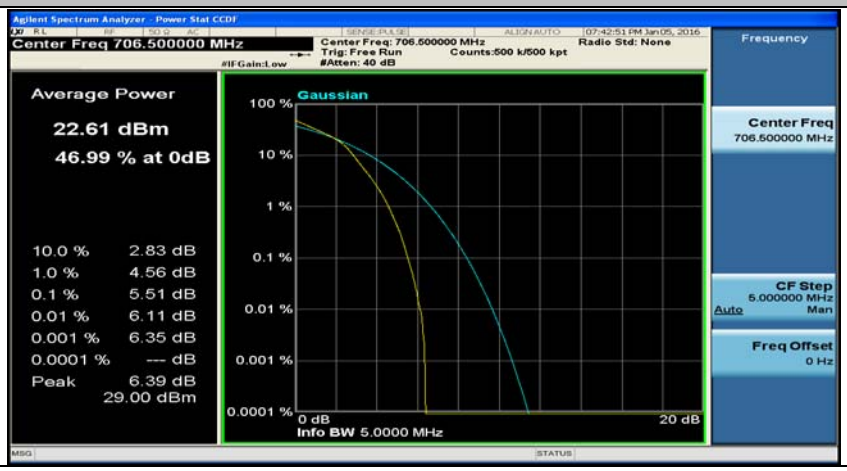


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

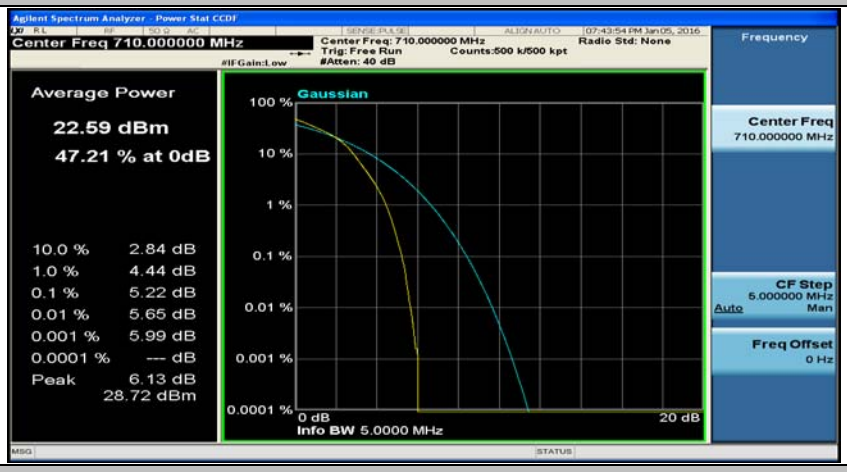


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(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

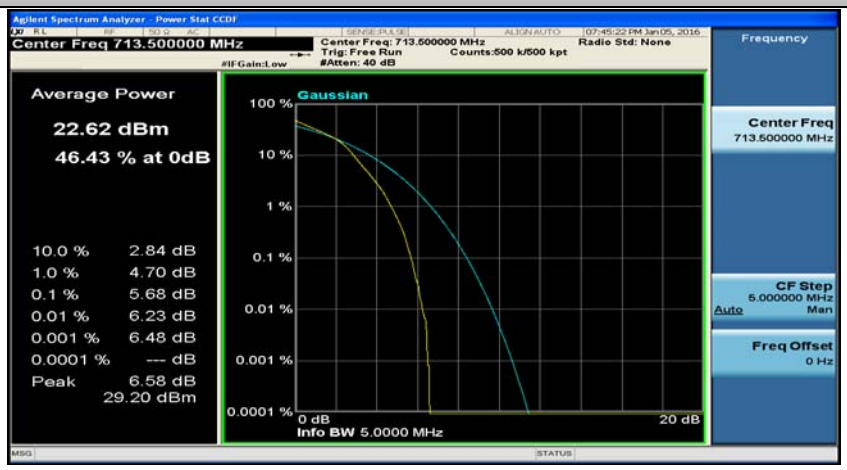
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

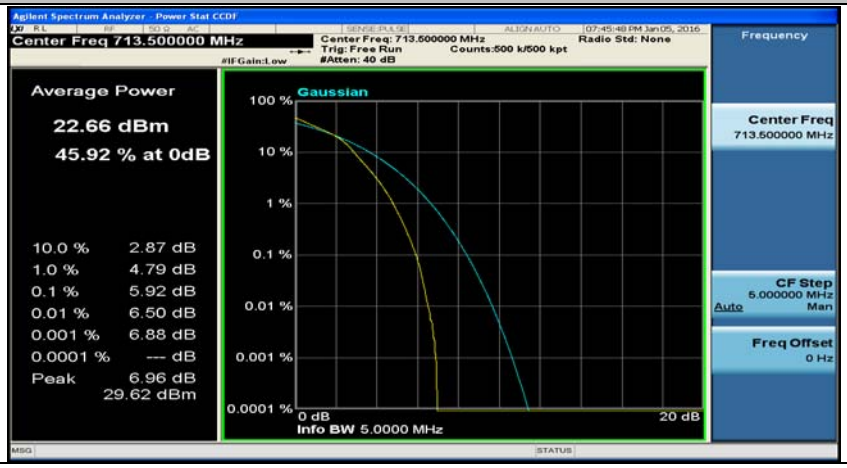
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

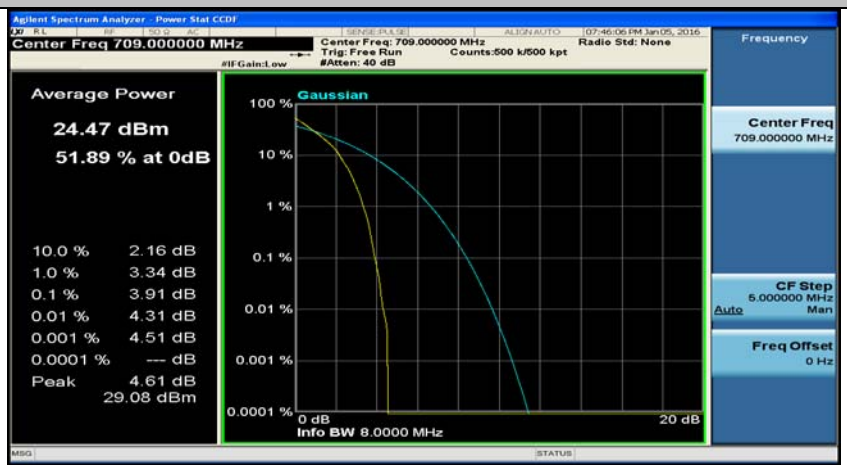
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

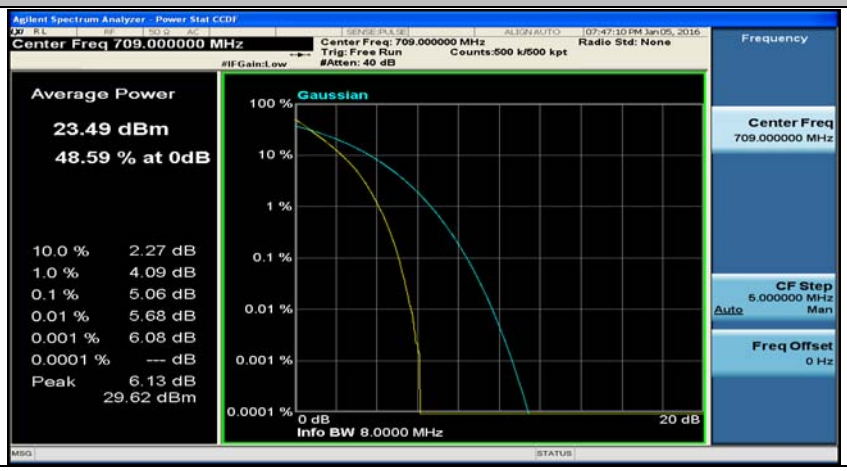


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

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

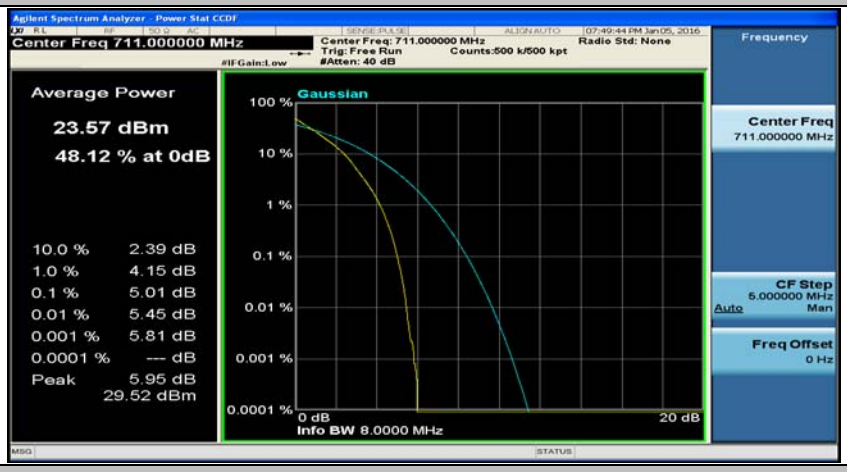
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

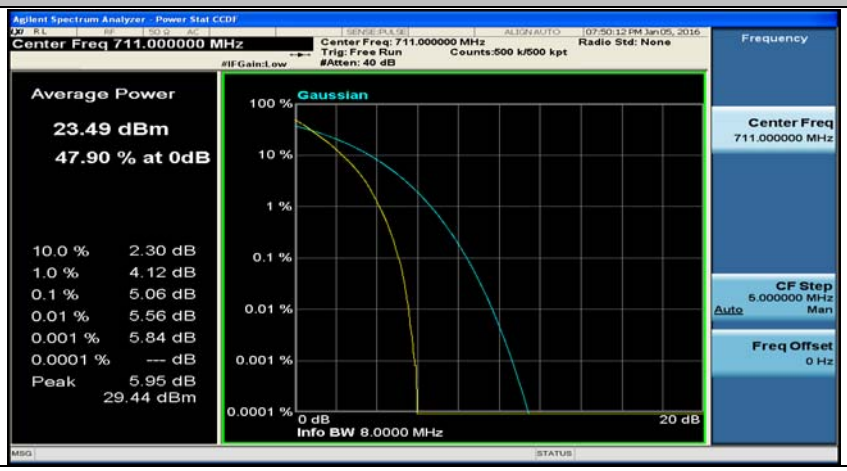
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

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


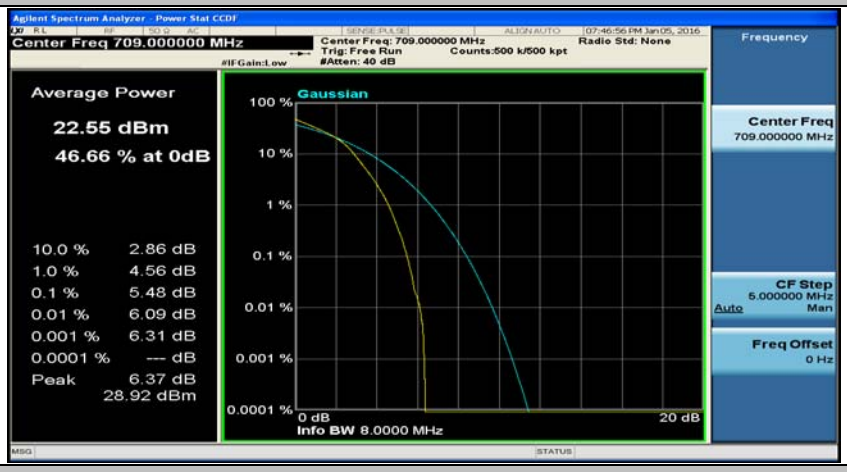
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

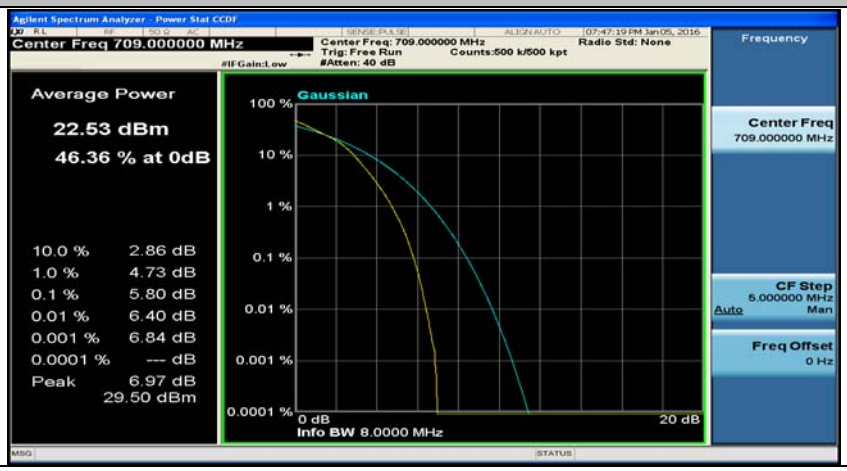
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

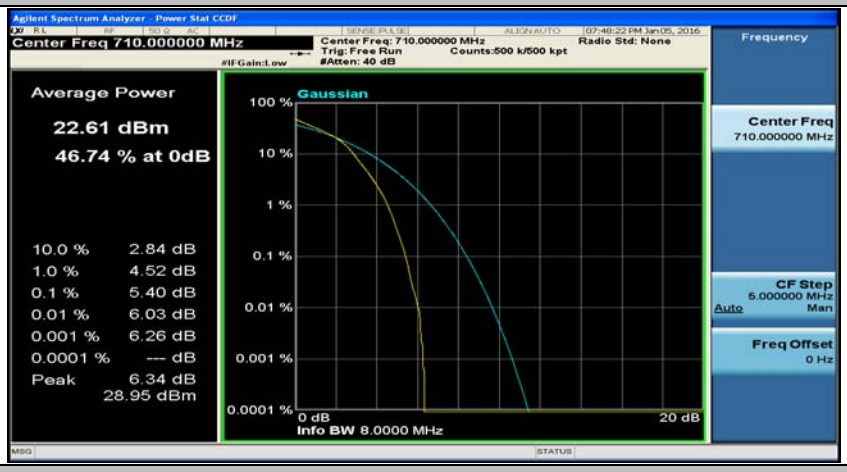


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

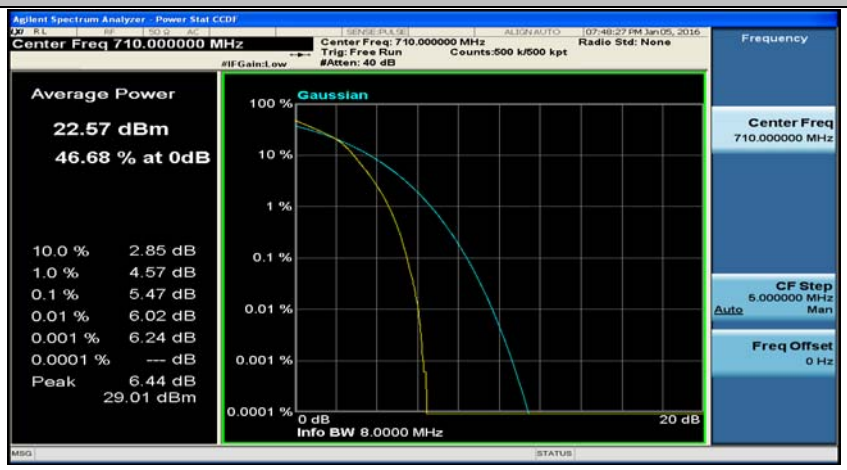
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

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


D.3: 26dB Bandwidth and Occupied Bandwidth

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.34781	0.5291	PASS
		1	12	0.55728	0.7418	PASS
		1	24	0.34301	0.5306	PASS
		12	0	2.1808	2.564	PASS
		12	6	2.1855	2.789	PASS
		12	13	2.1840	2.707	PASS
		25	0	4.4813	4.848	PASS
	MCH	1	0	0.36622	0.5449	PASS
		1	12	0.56208	0.7906	PASS
		1	24	0.34705	0.5339	PASS
		12	0	2.1799	2.598	PASS
		12	6	2.1814	2.805	PASS
		12	13	2.1801	2.571	PASS
		25	0	4.4689	4.824	PASS
	HCH	1	0	0.35890	0.5559	PASS
		1	12	0.57723	0.7540	PASS
		1	24	0.36301	0.5515	PASS
		12	0	2.1846	2.570	PASS
		12	6	2.1895	2.769	PASS
		12	13	2.1844	2.605	PASS
		25	0	4.4875	4.872	PASS
16QAM	LCH	1	0	0.33630	0.5288	PASS
		1	12	0.54427	0.7502	PASS
		1	24	0.35380	0.5269	PASS
		12	0	2.1790	2.606	PASS
		12	6	2.1819	2.866	PASS
		12	13	2.1757	2.569	PASS
		25	0	4.4795	4.833	PASS
	MCH	1	0	0.35486	0.5356	PASS
		1	12	0.57920	0.8498	PASS
		1	24	0.34609	0.5435	PASS
		12	0	2.1789	2.586	PASS
		12	6	2.1775	2.753	PASS
		12	13	2.1820	2.533	PASS
		25	0	4.4764	4.841	PASS
	HCH	1	0	0.34521	0.5536	PASS
		1	12	0.56395	0.8334	PASS
		1	24	0.36731	0.5343	PASS

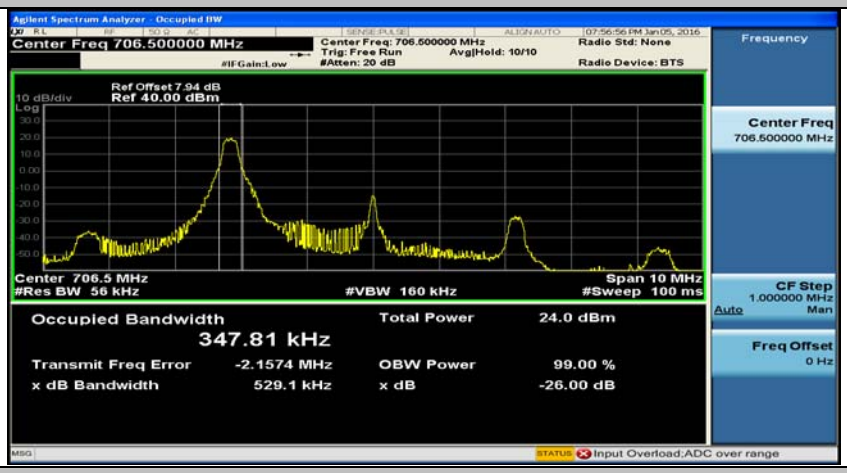
		12	0	2.1782	2.593	PASS
		12	6	2.1819	2.753	PASS
		12	13	2.1800	2.574	PASS
		25	0	4.4824	4.850	PASS

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.43688	0.6595	PASS
		1	25	0.64526	0.8956	PASS
		1	49	0.43686	0.6688	PASS
		25	0	4.5245	5.039	PASS
		25	12	4.5165	5.187	PASS
		25	25	4.5107	4.999	PASS
		50	0	8.9277	9.483	PASS
	MCH	1	0	0.43788	0.6483	PASS
		1	25	0.64236	0.9403	PASS
		1	49	0.43518	0.6262	PASS
		25	0	4.5252	5.027	PASS
		25	12	4.5070	5.269	PASS
		25	25	4.5238	4.983	PASS
		50	0	8.9263	9.488	PASS
	HCH	1	0	0.43714	0.6845	PASS
		1	25	0.65154	0.9488	PASS
		1	49	0.45054	0.6959	PASS
		25	0	4.5074	4.982	PASS
		25	12	4.5141	5.091	PASS
		25	25	4.5187	5.046	PASS
		50	0	8.9268	9.488	PASS
16QAM	LCH	1	0	0.43039	0.6306	PASS
		1	25	0.60653	0.8367	PASS
		1	49	0.41947	0.6726	PASS
		25	0	4.5145	5.007	PASS
		25	12	4.5176	5.267	PASS
		25	25	4.5092	4.932	PASS
		50	0	8.9160	9.448	PASS
	MCH	1	0	0.42502	0.6720	PASS
		1	25	0.58618	0.8828	PASS
		1	49	0.43356	0.6691	PASS
		25	0	4.5124	4.957	PASS
		25	12	4.5075	5.082	PASS
		25	25	4.5084	4.944	PASS
		50	0	8.9243	9.410	PASS
	HCH	1	0	0.43687	0.6866	PASS

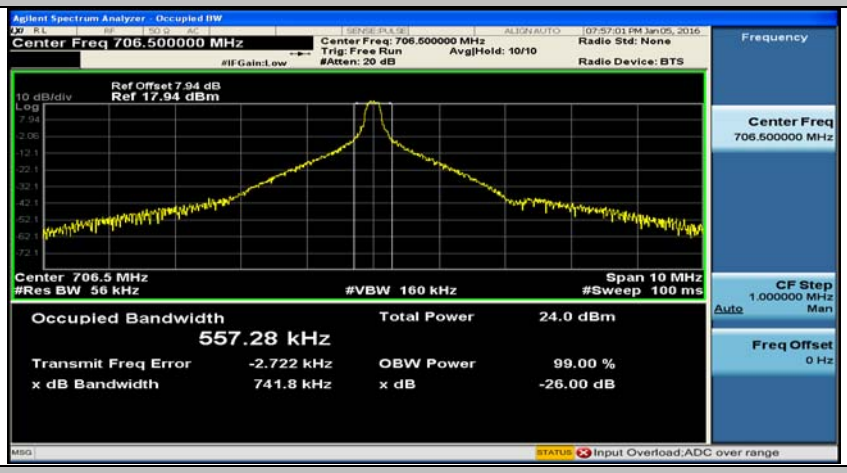
		1	25	0.60736	0.9373	PASS
		1	49	0.44004	0.6879	PASS
		25	0	4.5113	5.081	PASS
		25	12	4.5090	5.101	PASS
		25	25	4.5167	5.056	PASS
		50	0	8.9505	9.446	PASS

Test Graphs

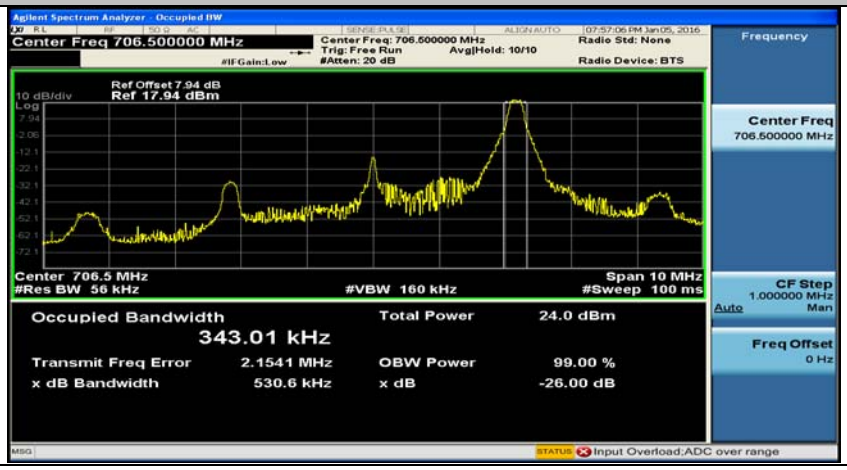
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



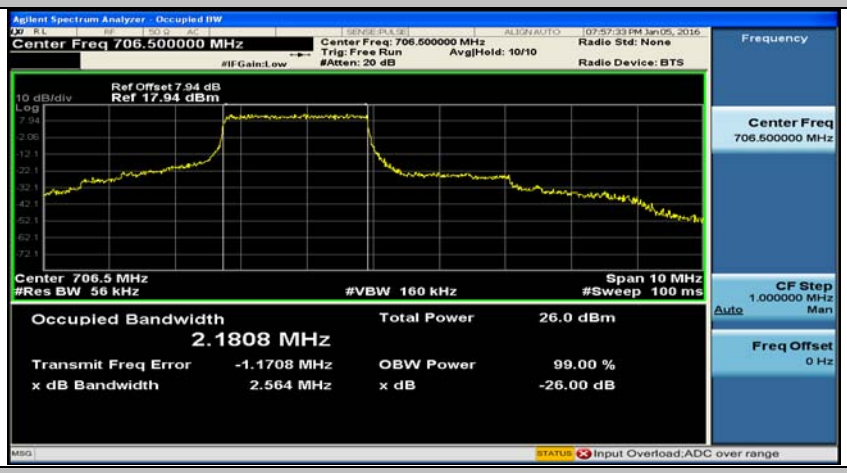
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



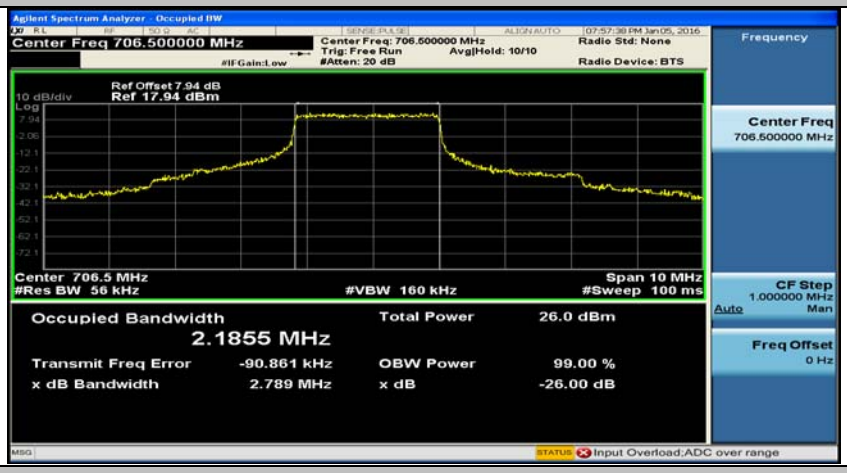
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



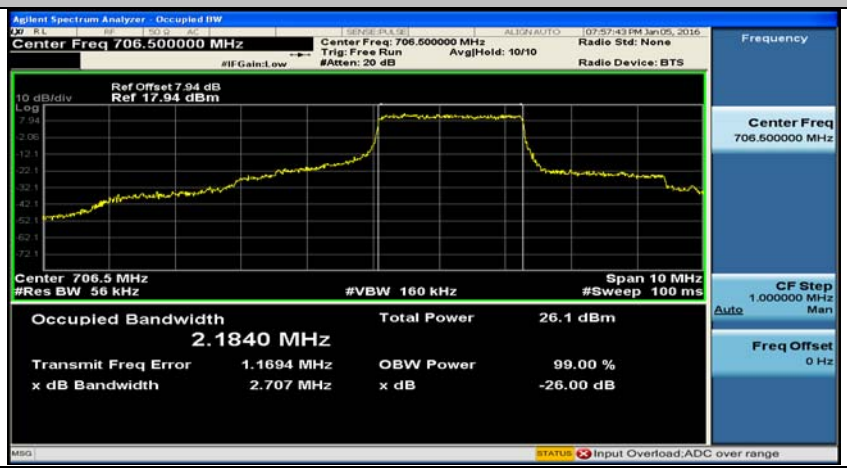
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



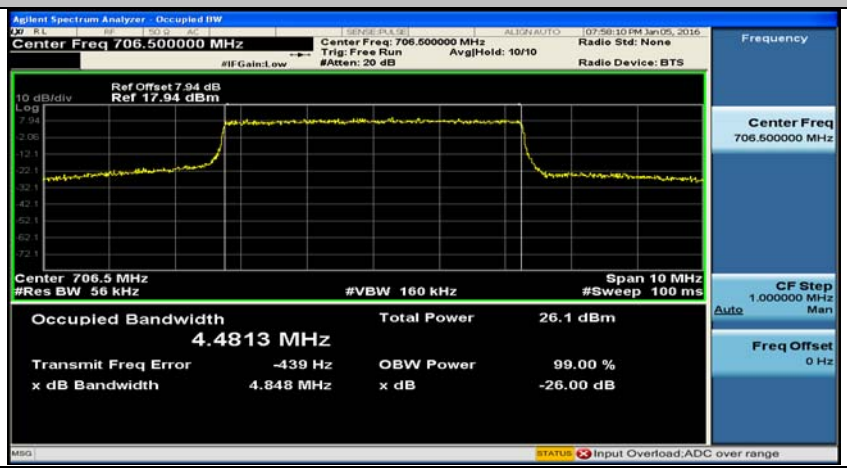
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



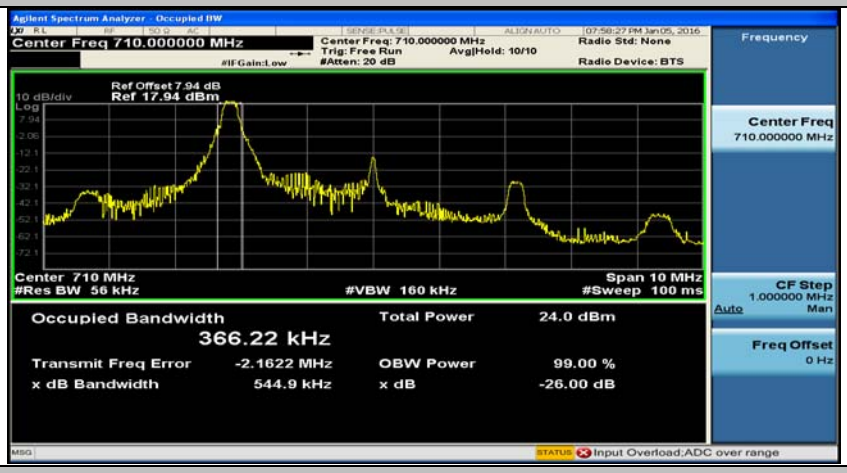
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



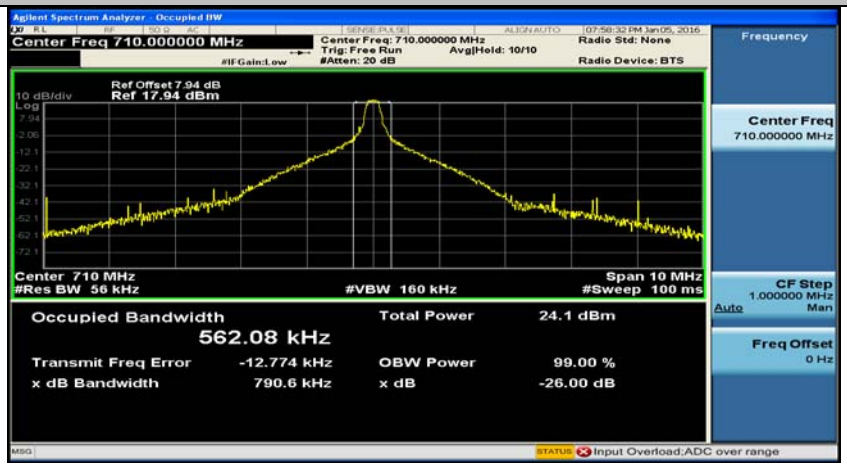
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



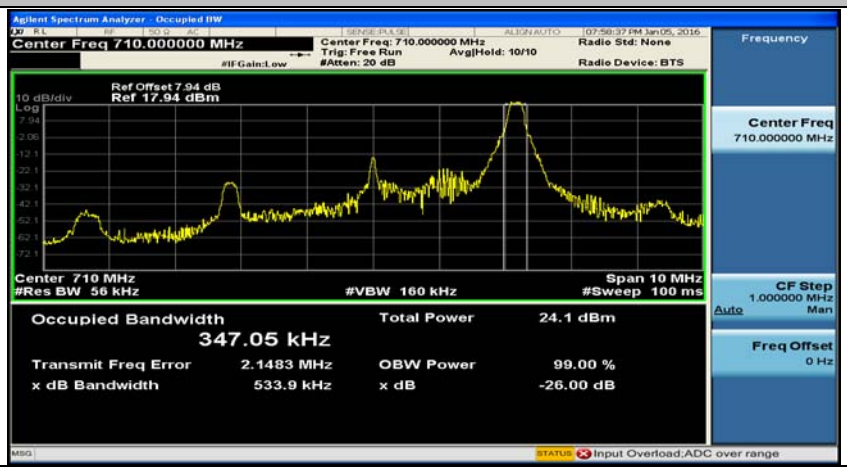
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



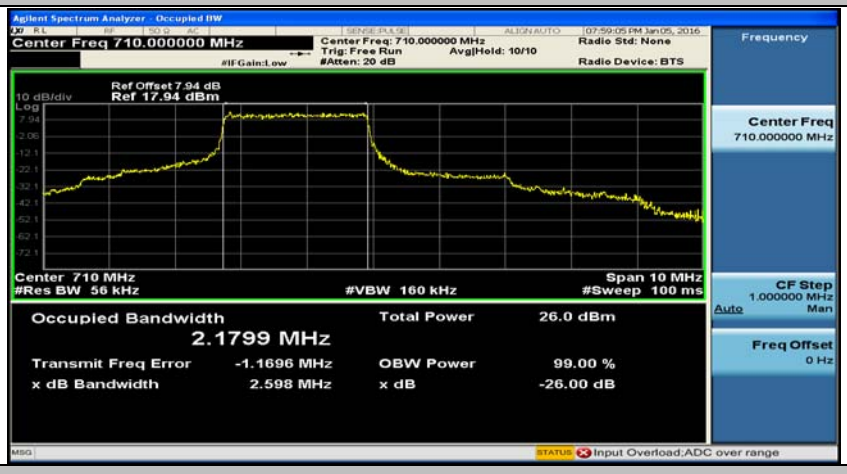
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



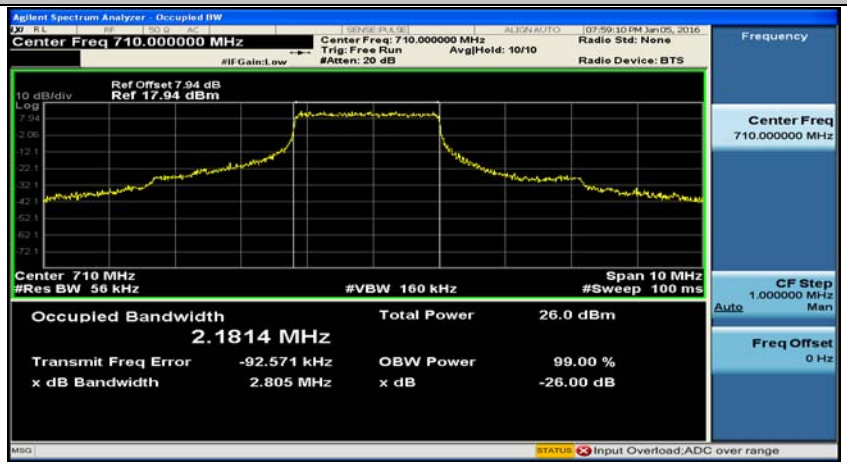
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



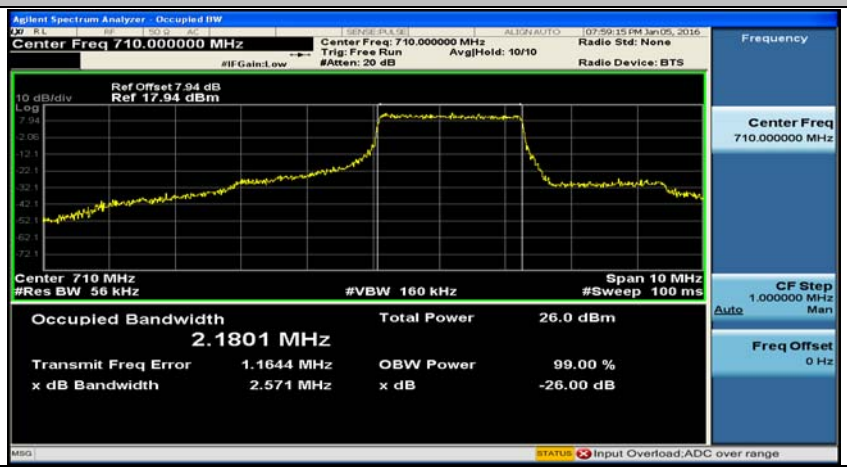
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



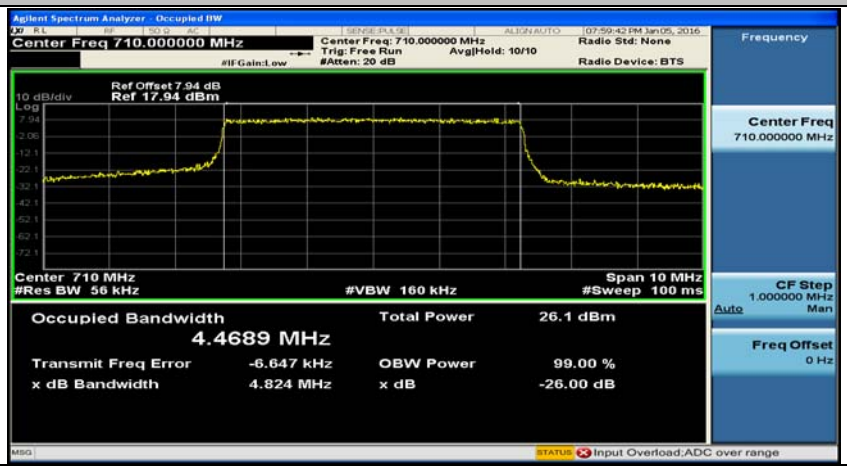
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



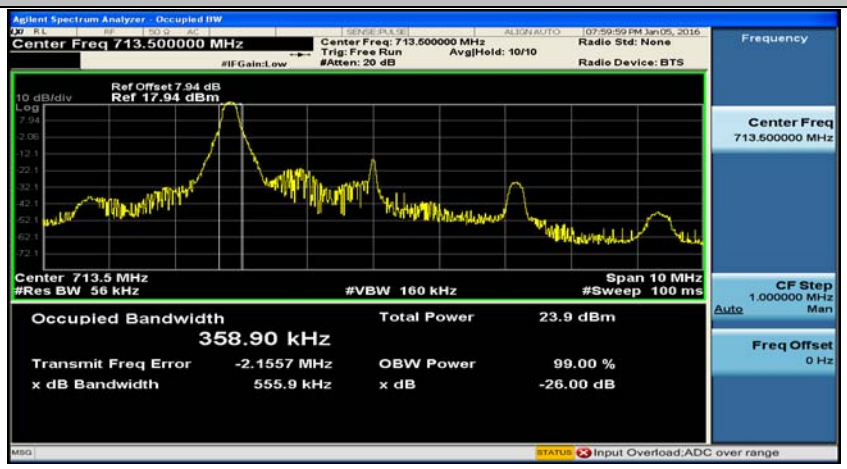
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



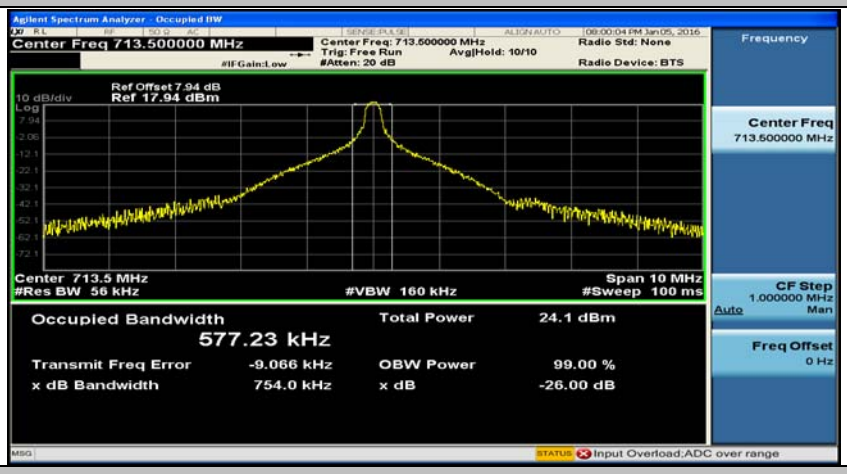
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



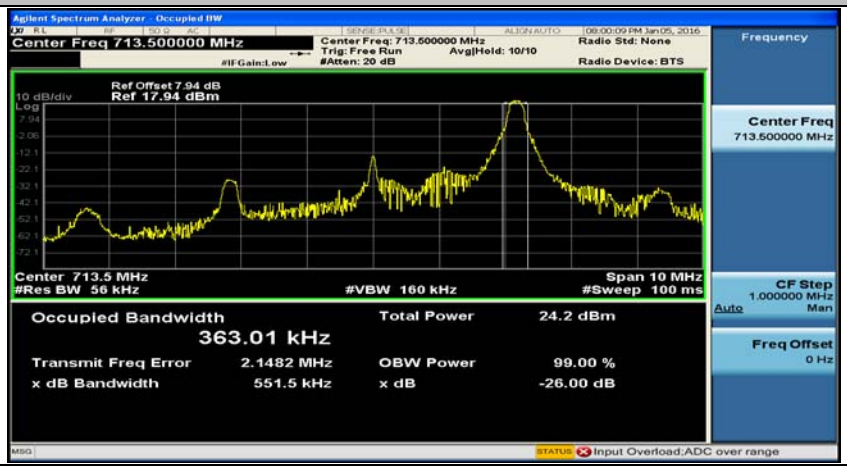
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



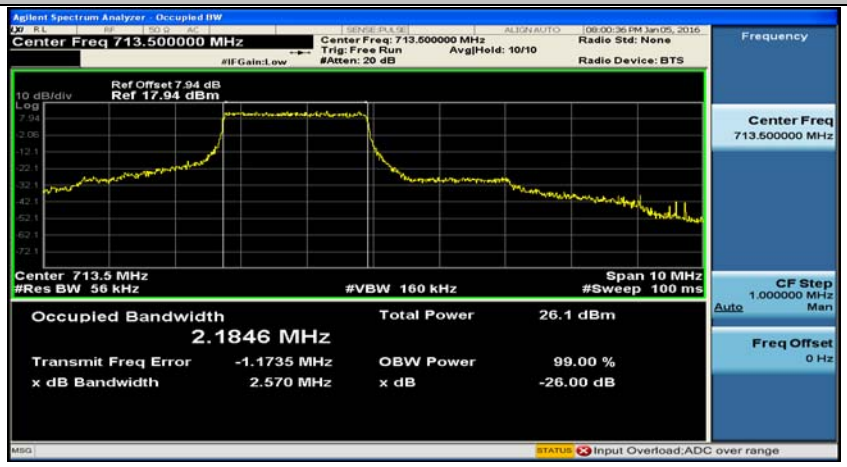
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



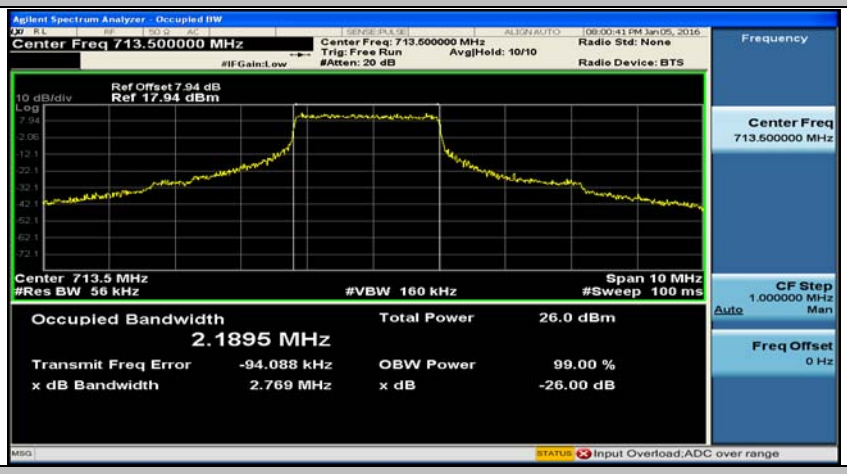
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



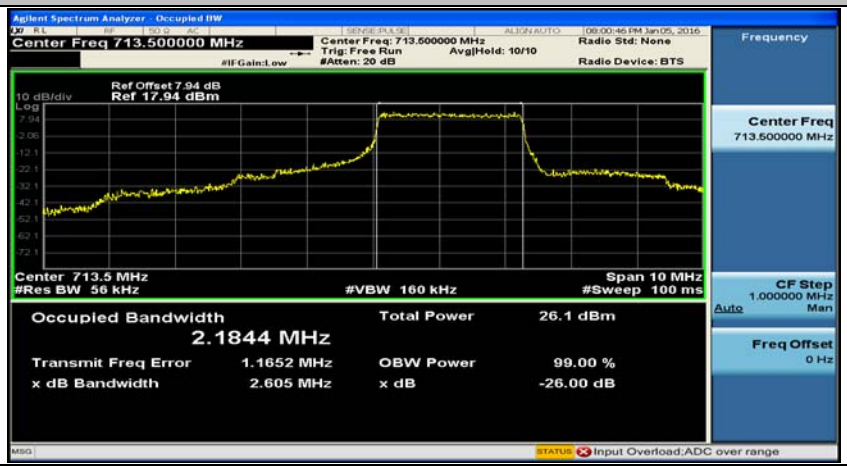
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



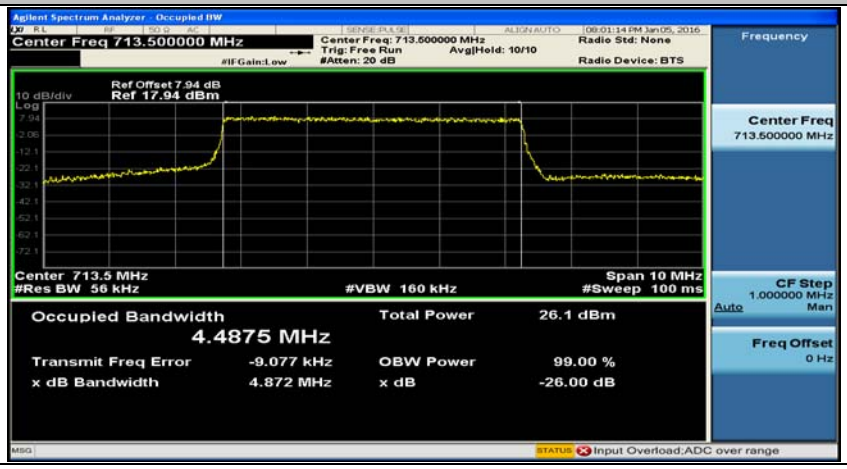
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



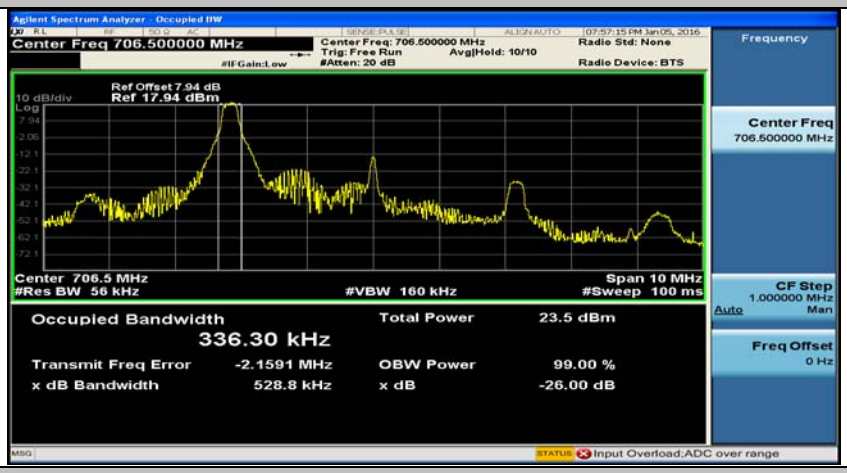
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



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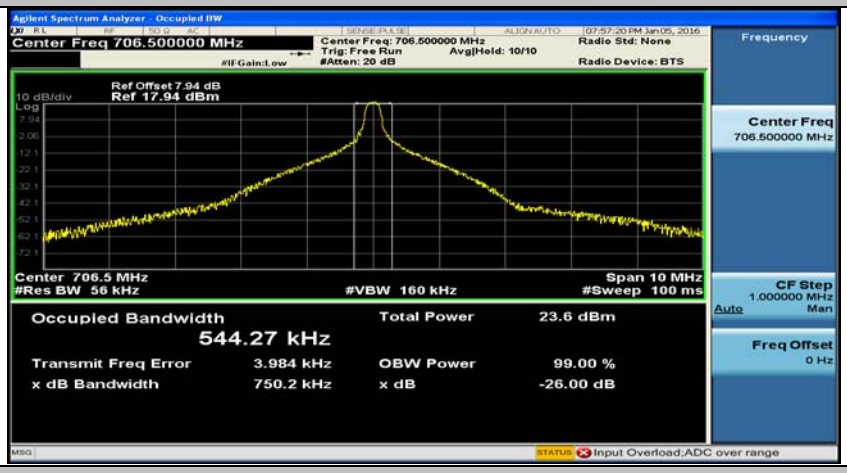
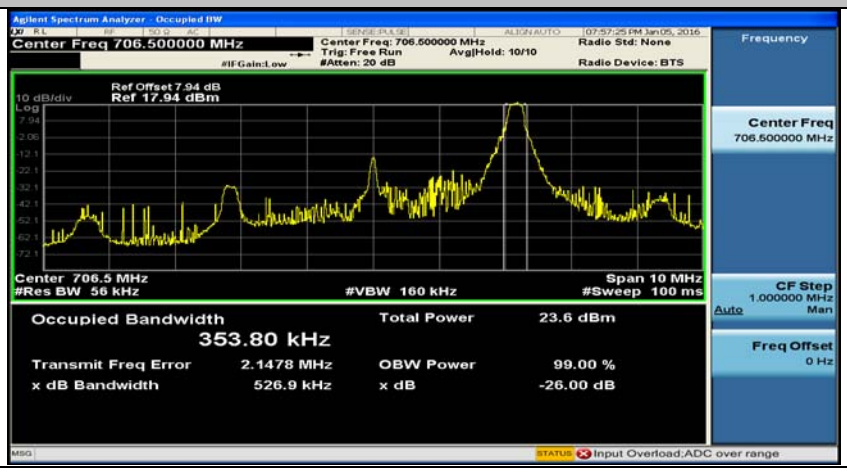
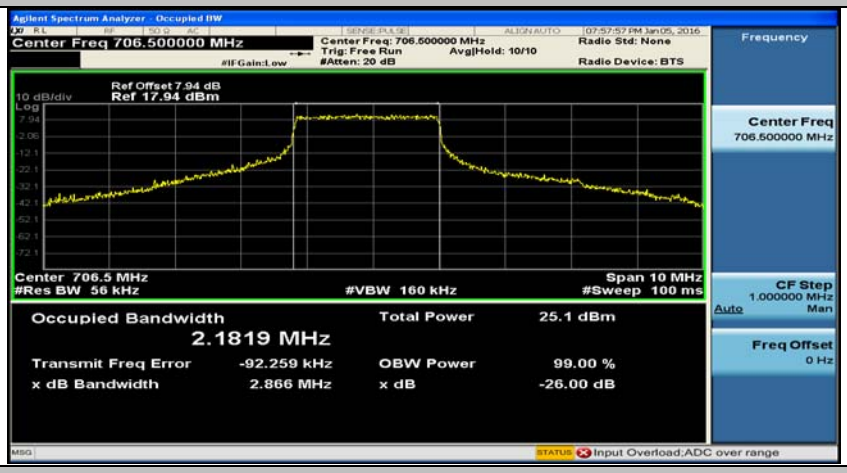


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

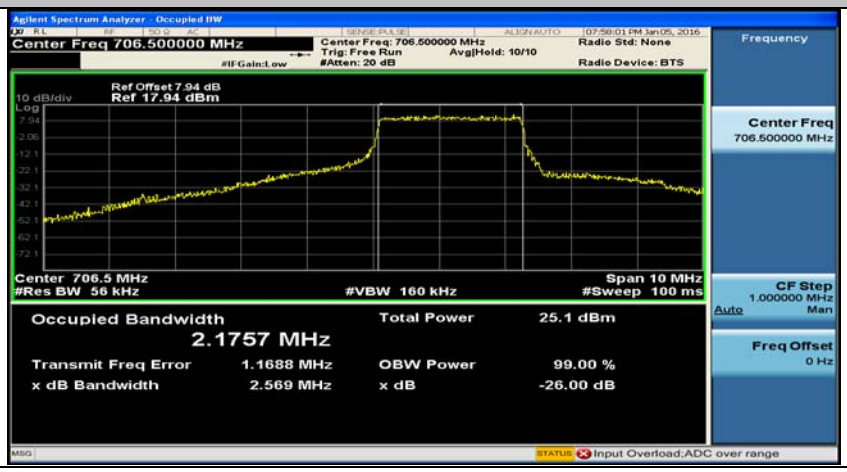


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

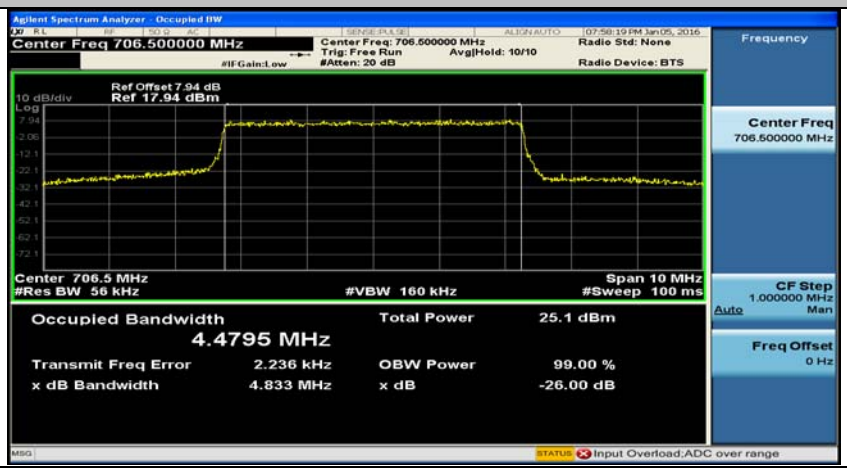
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



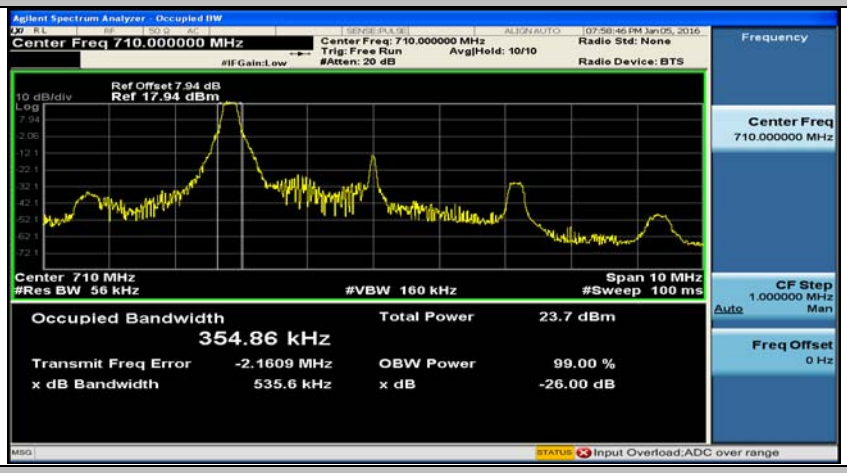
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



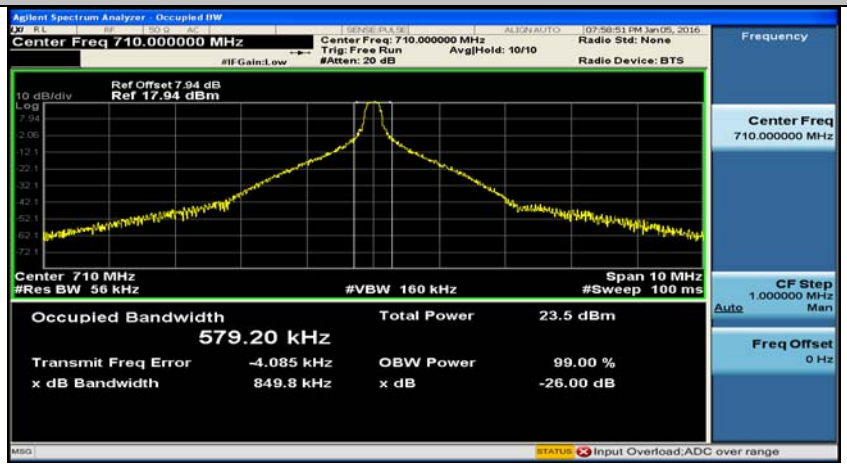
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



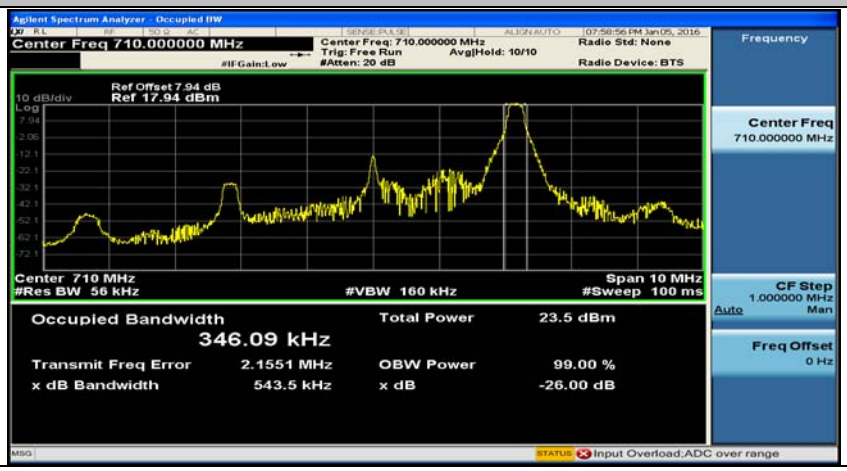
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

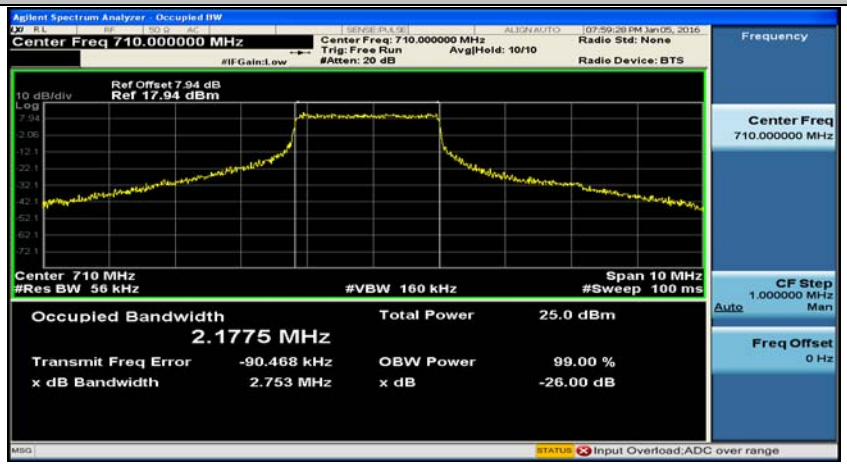


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

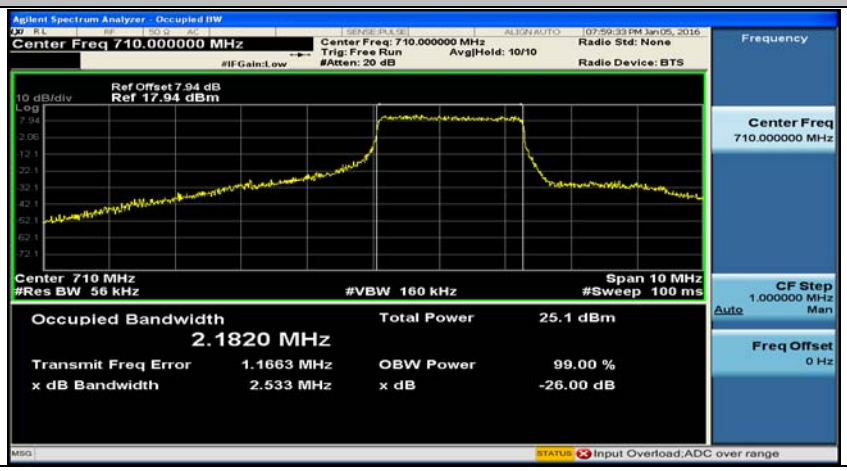


(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

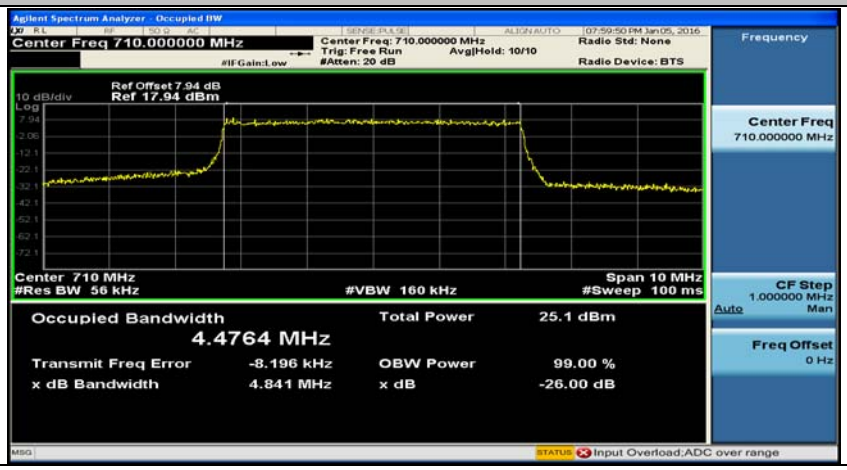
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



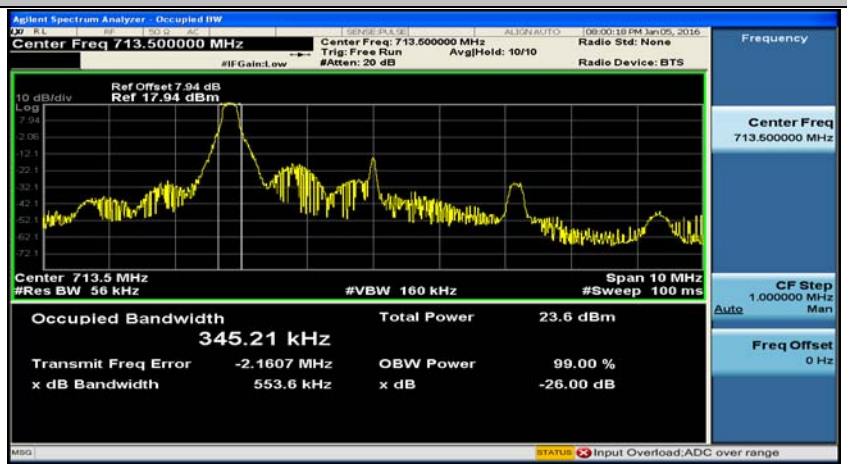
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



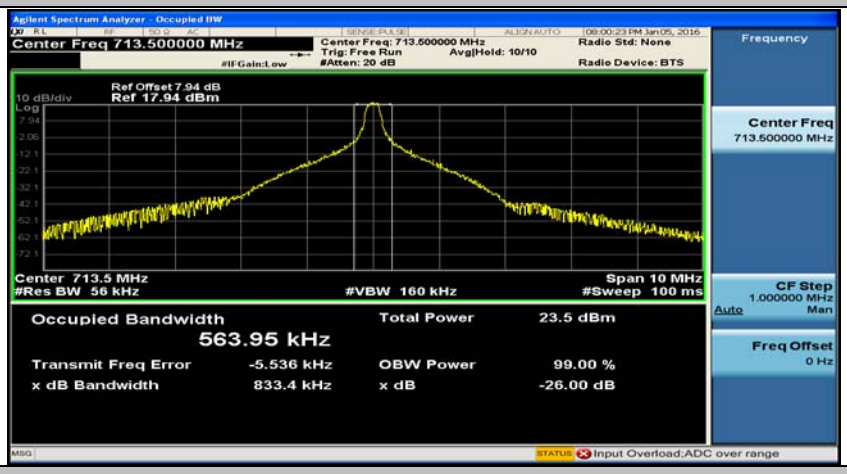
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



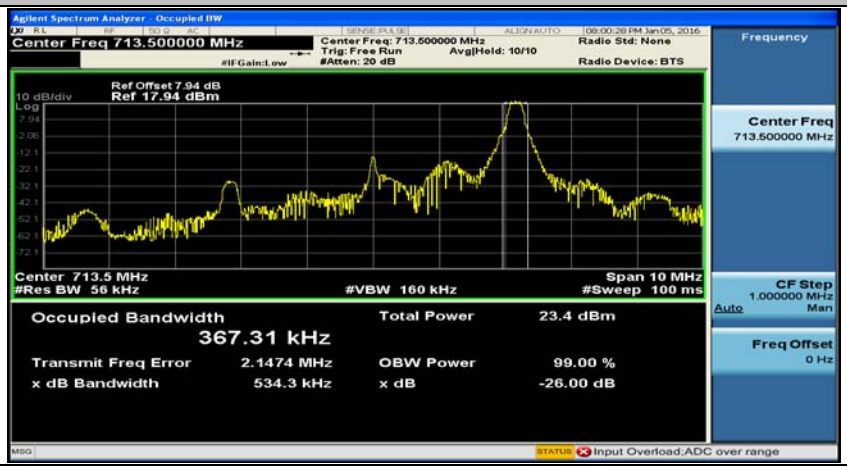
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



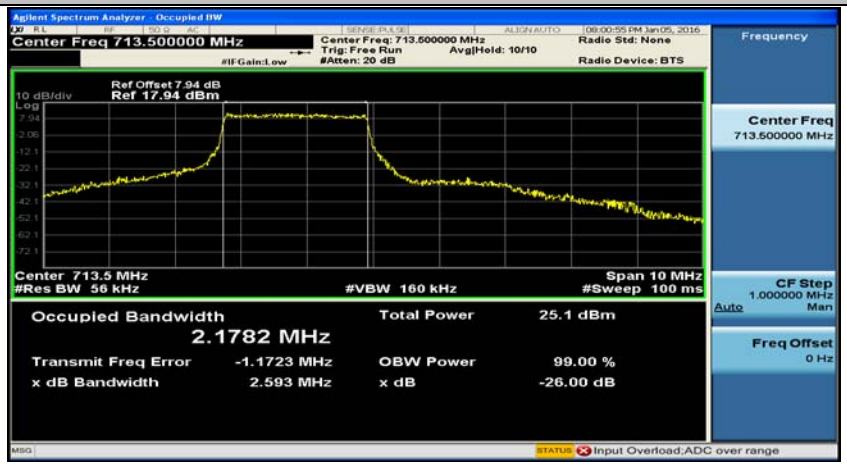
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



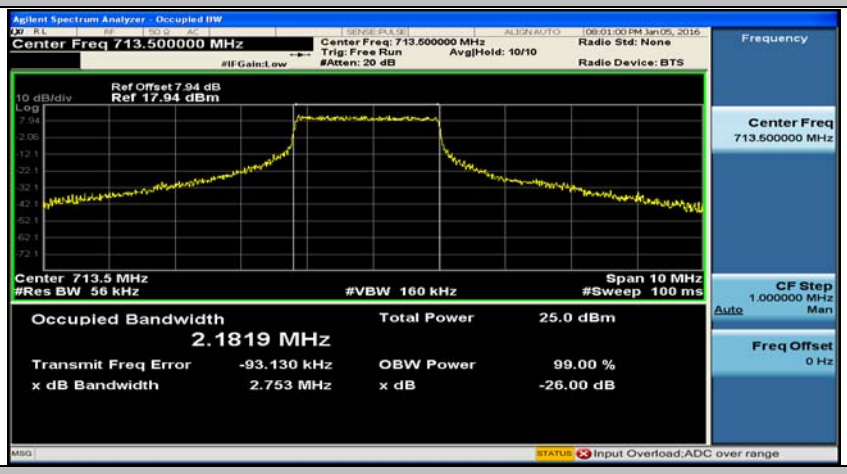
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



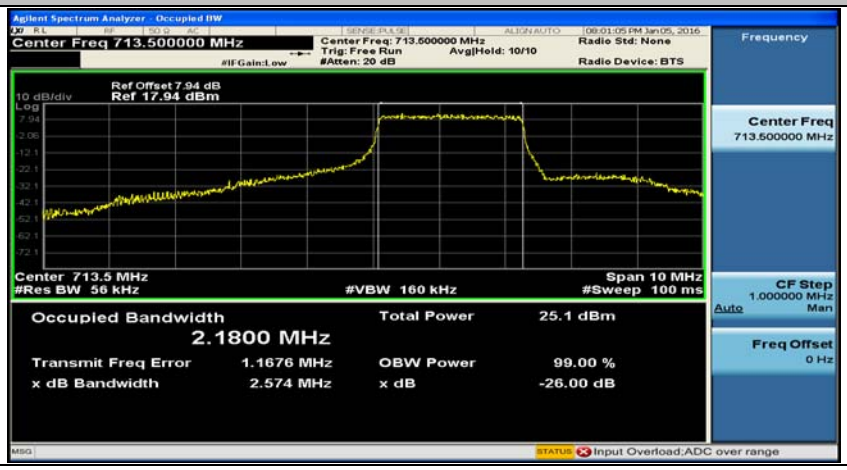
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



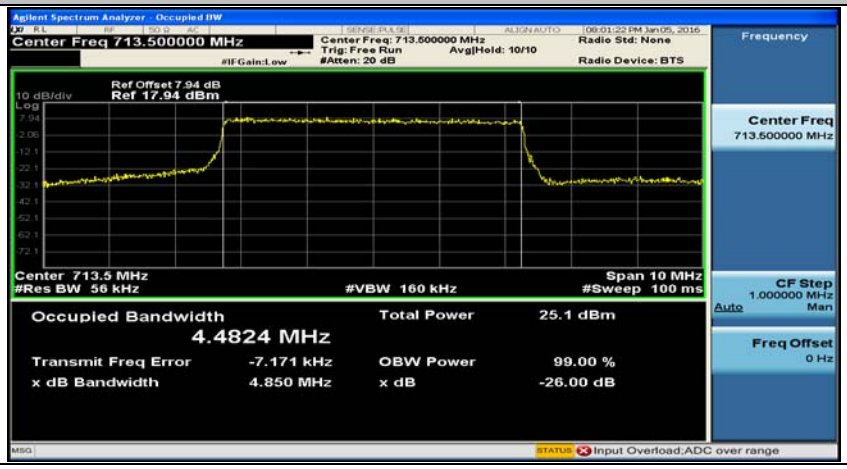
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



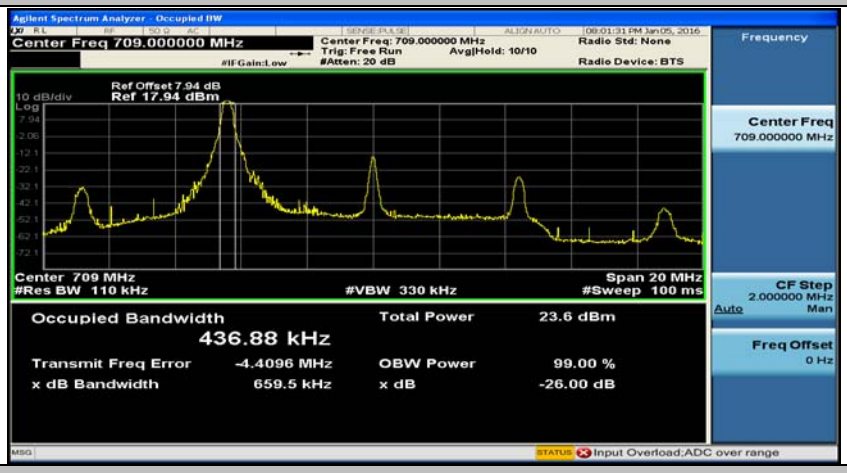
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



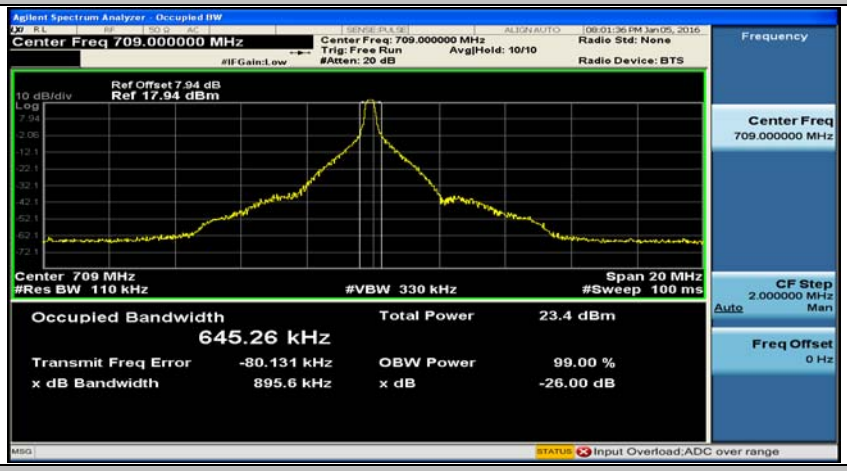
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49