Appendix K: Test Data for E-UTRA Band 17

Product Name: Smart phone
Test Model: VSP100
FCC ID: 2ASQ6-VSP100
IC: 24870-VSP100

Environmental Conditions

Temperature:	22.8 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden Zhuo

K.1 Conducted Output Power

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK/ 16QAM	LCH	1	0	23.95	23.41	PASS
		1	12	24.32	23.73	PASS
		1	24	23.95	23.39	PASS
		12	0	23.95	23.15	PASS
		12	6	23.08	22.25	PASS
		12	13	23.05	22.22	PASS
		25	0	23.02	22.07	PASS
	MCH	1	0	23.92	23.04	PASS
		1	12	24.19	23.38	PASS
		1	24	24.02	23.07	PASS
		12	0	23.05	22.11	PASS
		12	6	23.14	22.19	PASS
		12	13	23.11	22.18	PASS
		25	0	23.11	22.17	PASS
	HCH	1	0	23.96	23.14	PASS
		1	12	24.44	23.51	PASS
		1	24	23.86	23.25	PASS
		12	0	23.02	22.15	PASS

		12	6	23.17	22.24	PASS
		12	13	23.08	22.10	PASS
		25	0	23.08	22.15	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK/ 16QAM	LCH	1	0	23.91	23.28	PASS
		1	24	24.10	23.45	PASS
		1	49	24.06	23.36	PASS
		25	0	24.02	22.97	PASS
		25	12	23.07	22.06	PASS
		25	25	23.23	22.21	PASS
		50	0	23.08	22.08	PASS
	MCH	1	0	23.98	23.31	PASS
		1	24	24.17	23.44	PASS
		1	49	24.07	23.40	PASS
		25	0	23.09	22.07	PASS
		25	12	23.11	22.11	PASS
		25	25	23.23	22.26	PASS
		50	0	23.13	22.14	PASS
	HCH	1	0	23.94	23.39	PASS
		1	24	24.23	23.66	PASS
		1	49	24.15	23.60	PASS
		25	0	23.09	22.13	PASS
		25	12	23.07	22.11	PASS
		25	25	23.17	22.18	PASS
		50	0	23.14	22.18	PASS

K.2 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	4.83	<13	PASS
		1	12	4.69	<13	PASS
		1	24	4.82	<13	PASS
		12	0	5.53	<13	PASS
		12	6	5.53	<13	PASS
		12	13	5.56	<13	PASS
		25	0	5.62	<13	PASS
	MCH	1	0	5.03	<13	PASS
		1	12	4.87	<13	PASS
		1	24	4.81	<13	PASS
		12	0	5.59	<13	PASS
		12	6	5.53	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.59	<13	PASS
	HCH	1	0	4.89	<13	PASS
		1	12	4.54	<13	PASS
		1	24	4.32	<13	PASS
		12	0	5.44	<13	PASS
		12	6	5.24	<13	PASS
		12	13	5.25	<13	PASS
		25	0	5.43	<13	PASS
16QAM	LCH	1	0	5.81	<13	PASS
		1	12	5.59	<13	PASS
		1	24	5.77	<13	PASS
		12	0	6.39	<13	PASS
		12	6	6.36	<13	PASS
		12	13	6.38	<13	PASS
		25	0	6.47	<13	PASS
	MCH	1	0	5.73	<13	PASS
		1	12	5.56	<13	PASS
		1	24	5.43	<13	PASS
		12	0	6.58	<13	PASS
		12	6	6.49	<13	PASS

		12	13	6.5	<13	PASS
		25	0	6.43	<13	PASS
	HCH	1	0	6.08	<13	PASS
		1	12	5.62	<13	PASS
		1	24	5.31	<13	PASS
		12	0	6.25	<13	PASS
		12	6	6.06	<13	PASS
		12	13	6.05	<13	PASS
		25	0	6.27	<13	PASS

Channel Bandwidth: 10 MHz

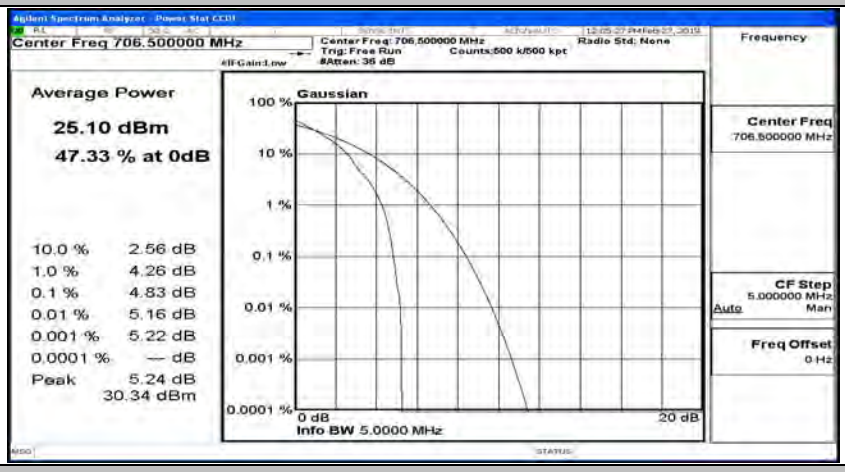
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.97	<13	PASS
		1	24	4.91	<13	PASS
		1	49	4.67	<13	PASS
		25	0	5.51	<13	PASS
		25	12	5.64	<13	PASS
		25	25	5.51	<13	PASS
		50	0	5.62	<13	PASS
	MCH	1	0	5.01	<13	PASS
		1	24	4.94	<13	PASS
		1	49	4.4	<13	PASS
		25	0	5.57	<13	PASS
		25	12	5.59	<13	PASS
		25	25	5.45	<13	PASS
		50	0	5.67	<13	PASS
	HCH	1	0	4.8	<13	PASS
		1	24	4.78	<13	PASS
		1	49	4.16	<13	PASS
		25	0	5.59	<13	PASS
		25	12	5.56	<13	PASS
		25	25	5.35	<13	PASS
		50	0	5.62	<13	PASS
16QAM	LCH	1	0	5.8	<13	PASS
		1	24	5.85	<13	PASS
		1	49	5.58	<13	PASS
		25	0	6.46	<13	PASS
		25	12	6.41	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.33	<13	PASS

	MCH	1	0	5.99	<13	PASS
		1	24	5.89	<13	PASS
		1	49	5.3	<13	PASS
		25	0	6.37	<13	PASS
		25	12	6.43	<13	PASS
		25	25	6.26	<13	PASS
		50	0	6.34	<13	PASS
	HCH	1	0	5.73	<13	PASS
		1	24	5.7	<13	PASS
		1	49	5.12	<13	PASS
		25	0	6.45	<13	PASS
		25	12	6.34	<13	PASS
		25	25	6.2	<13	PASS
		50	0	6.38	<13	PASS

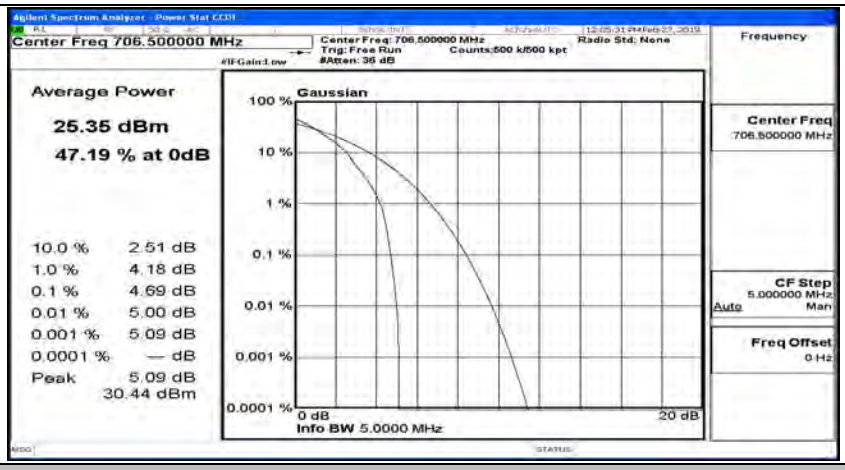
Test Graphs

Channel Bandwidth: 5 MHz

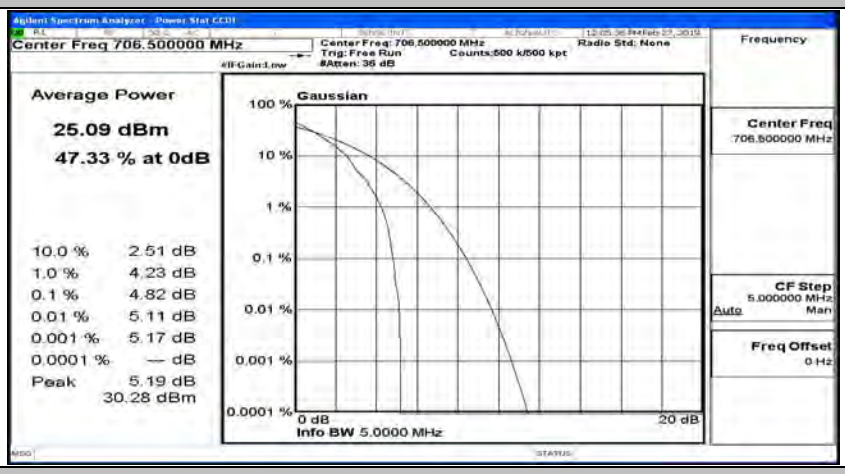
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



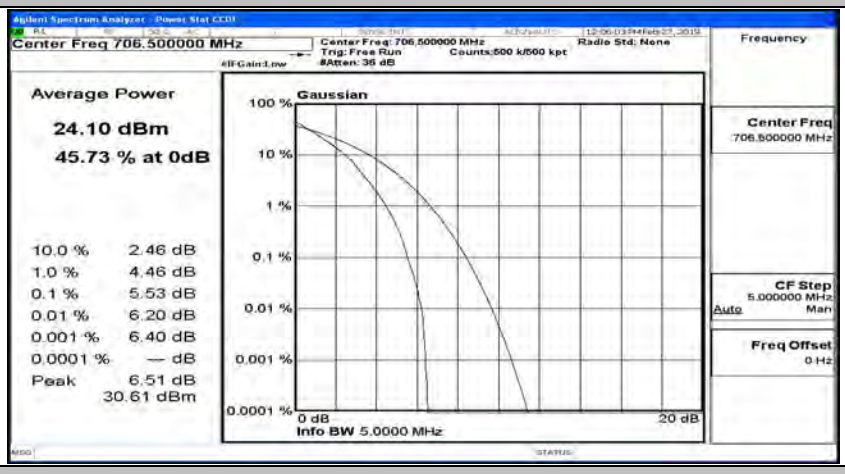
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



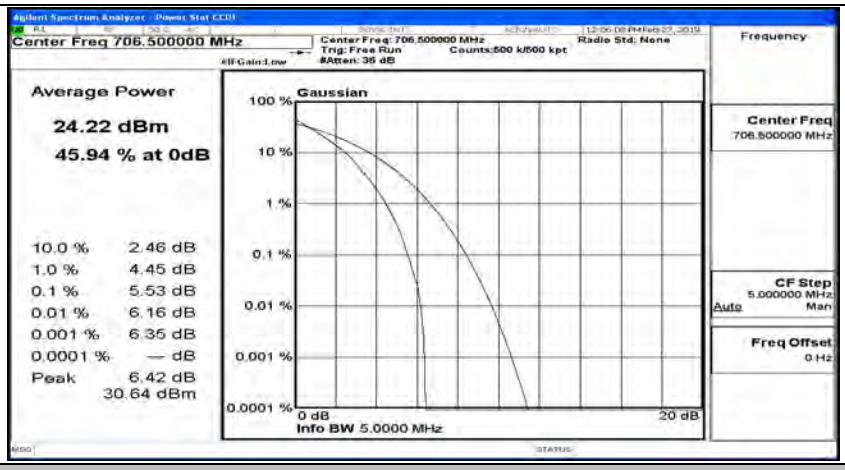
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



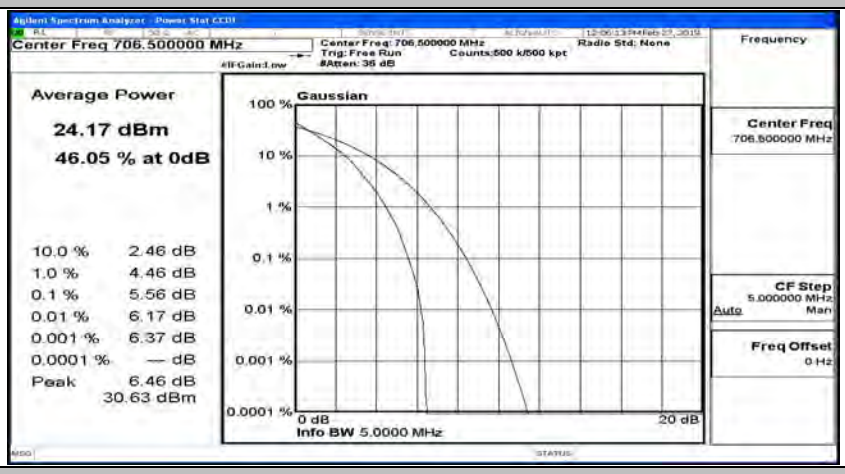
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



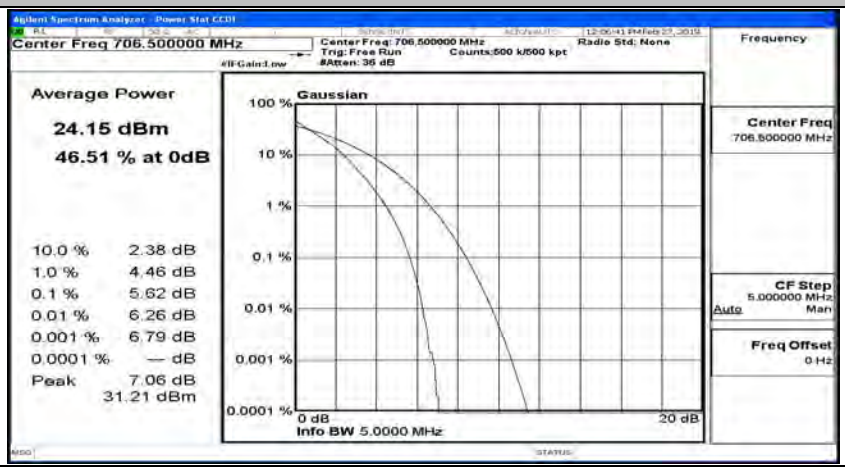
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



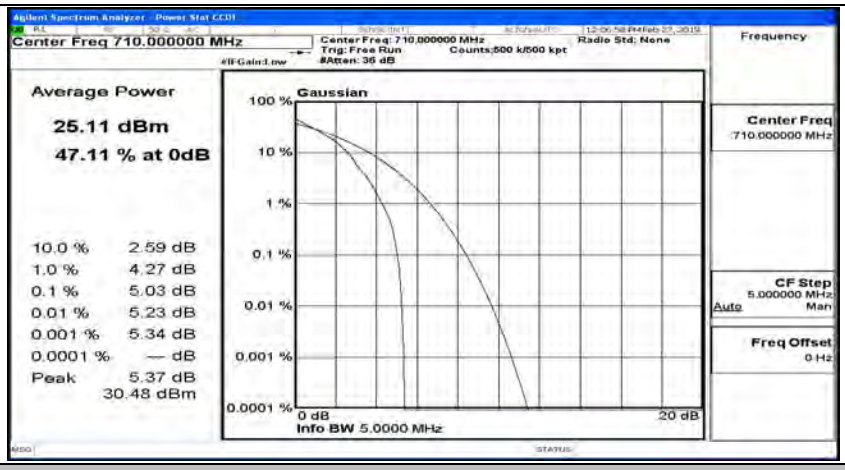
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



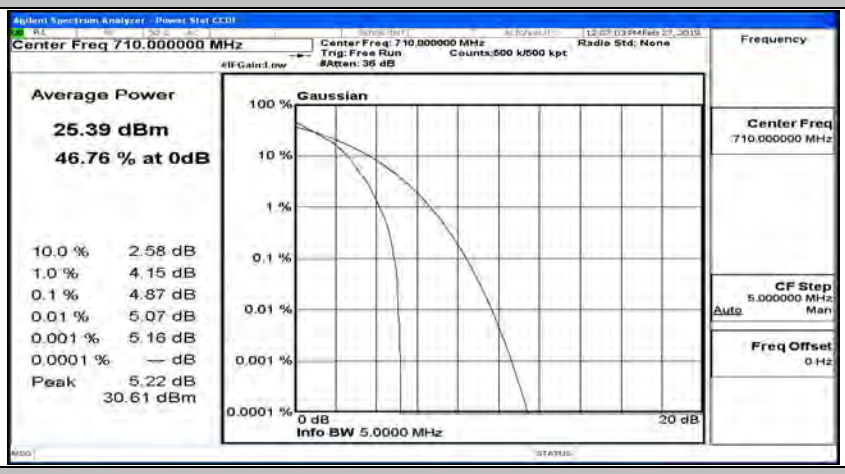
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



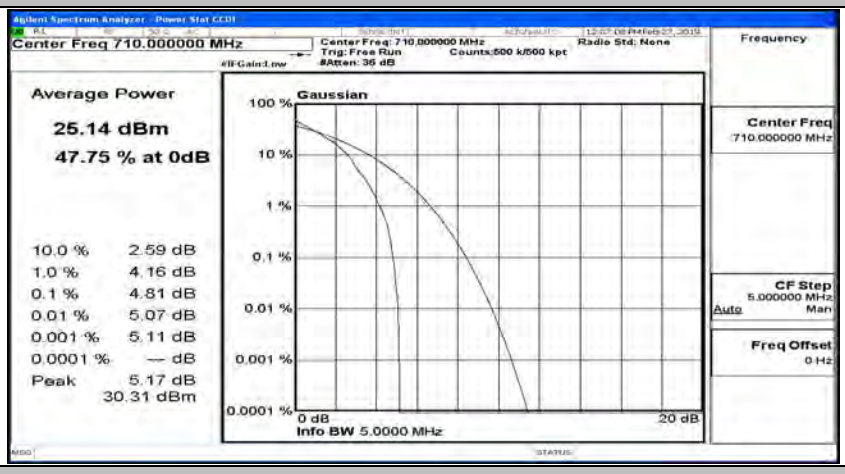
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



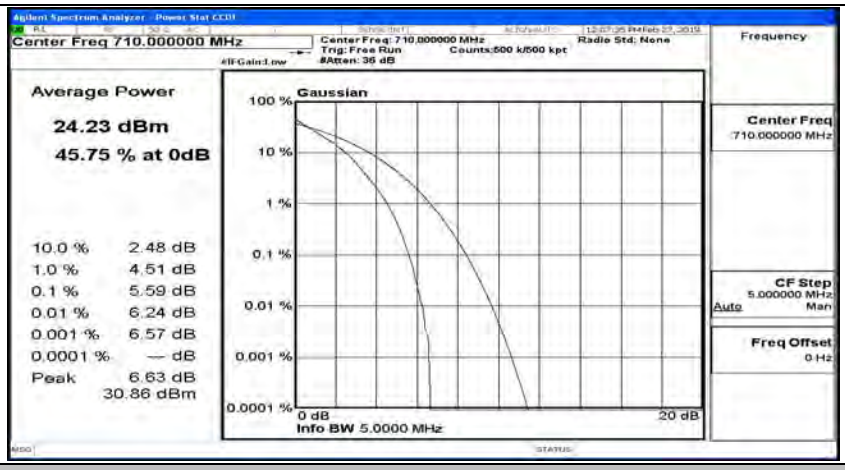
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



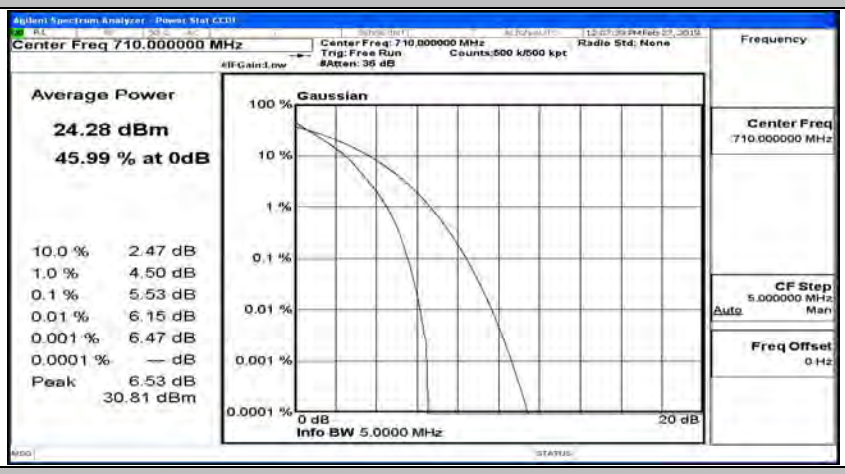
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



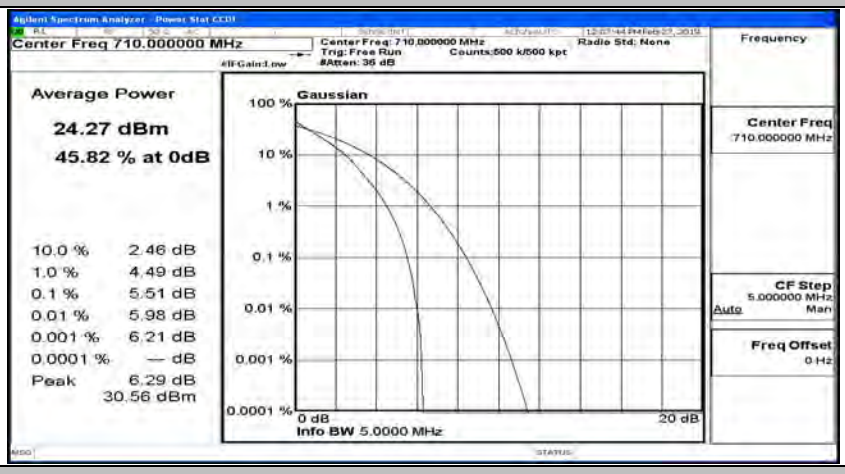
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



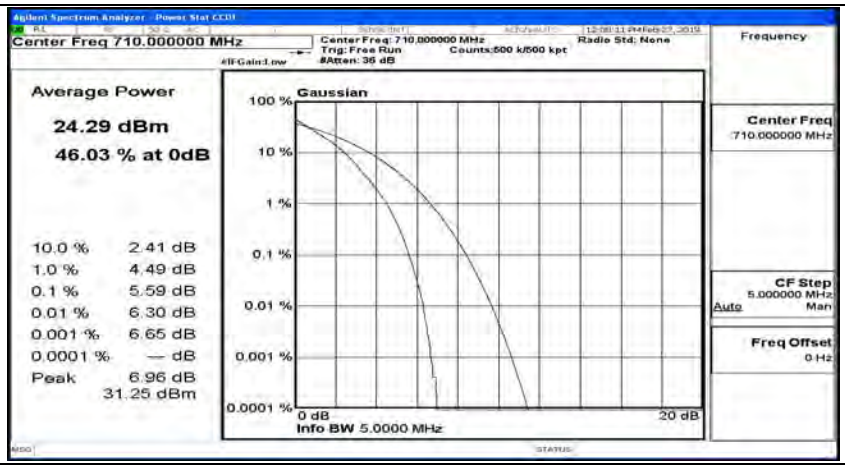
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



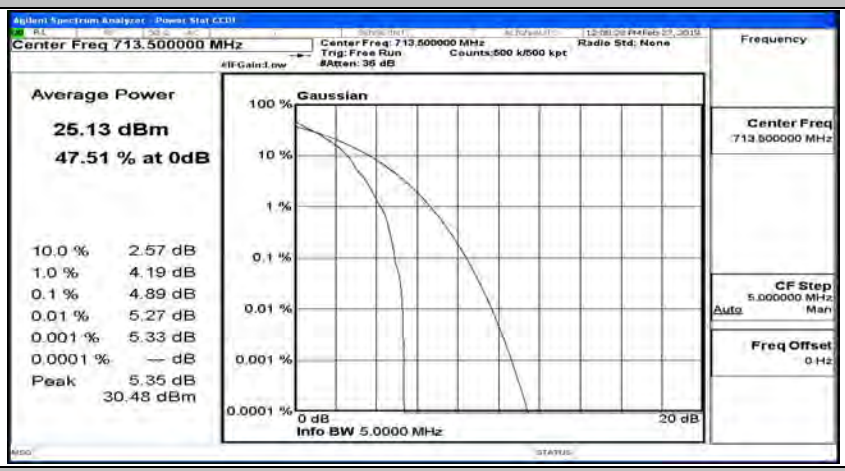
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



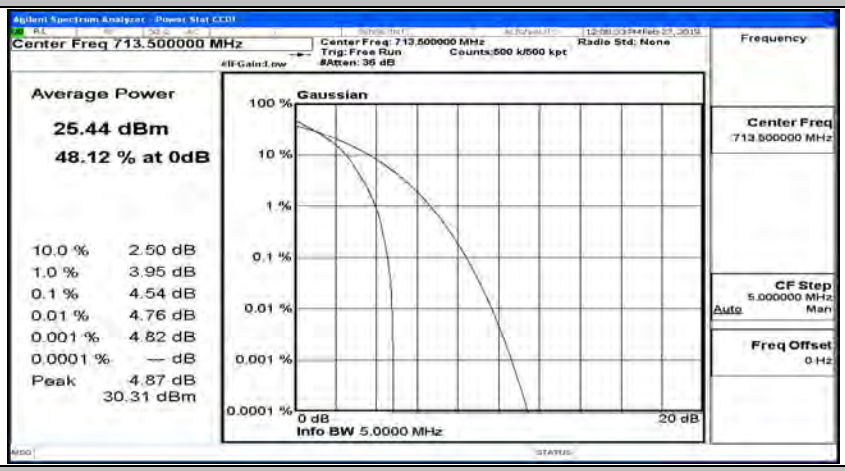
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



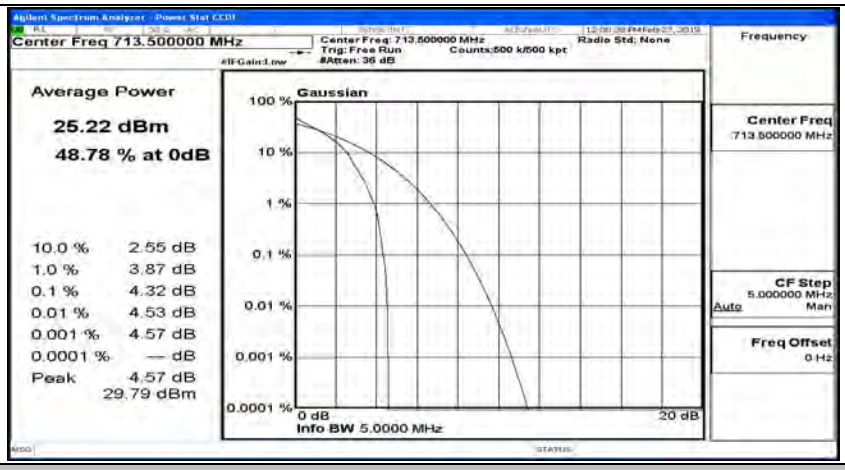
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



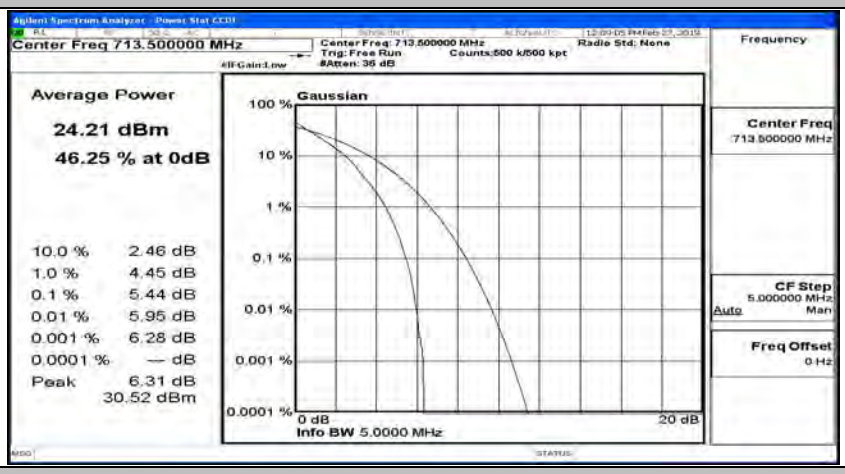
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



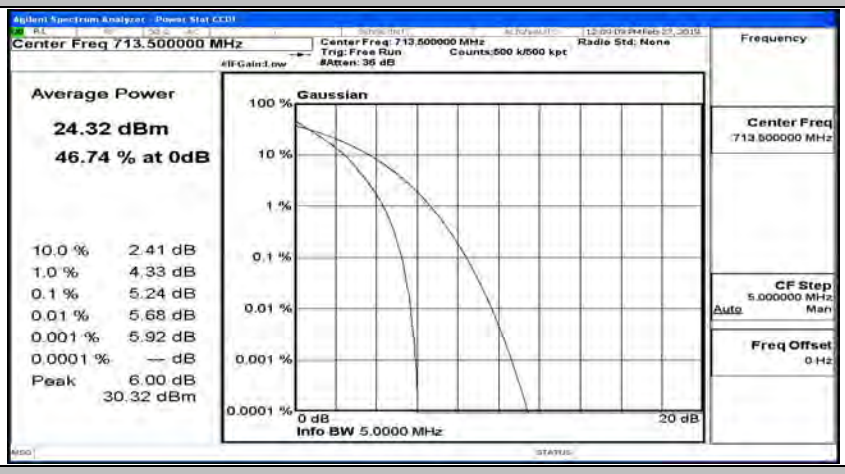
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



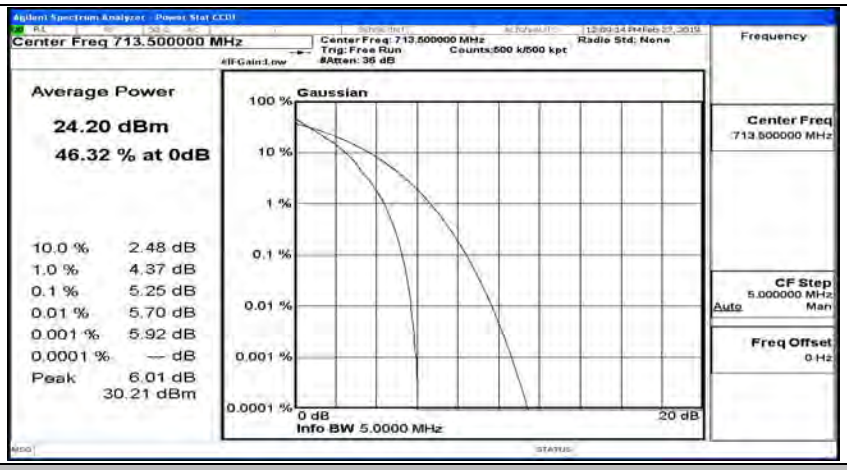
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



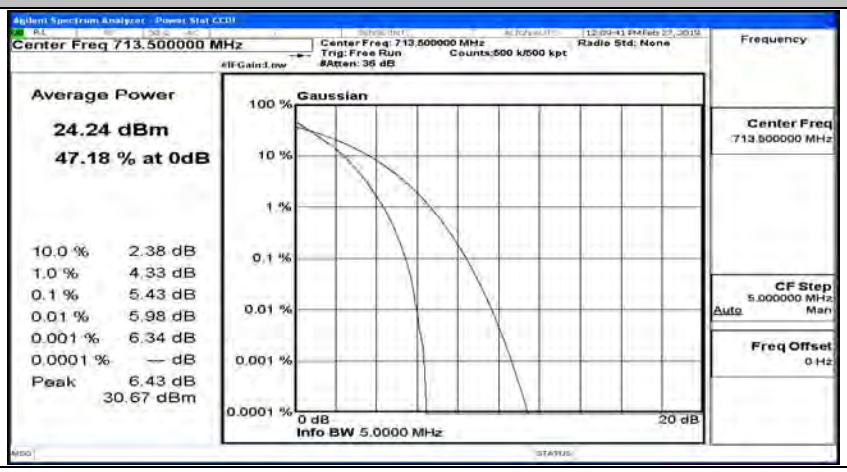
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



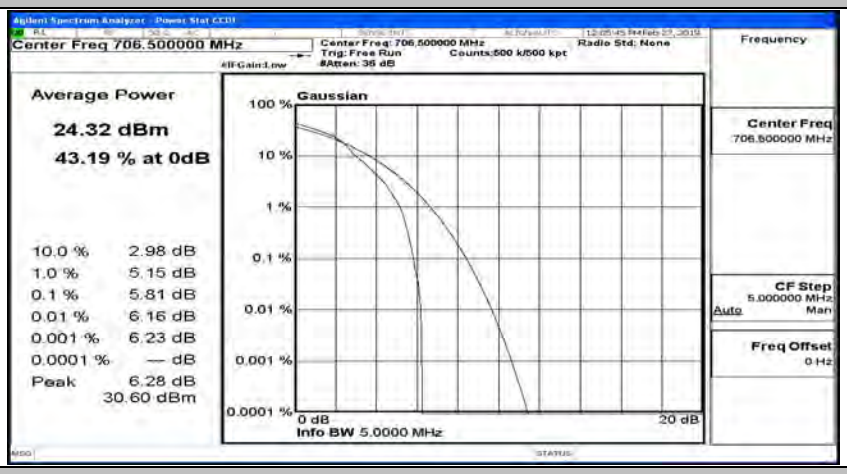
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



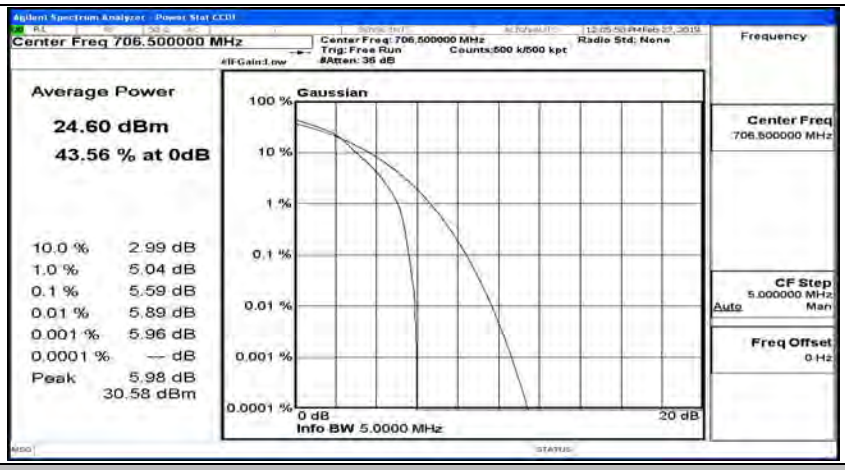
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



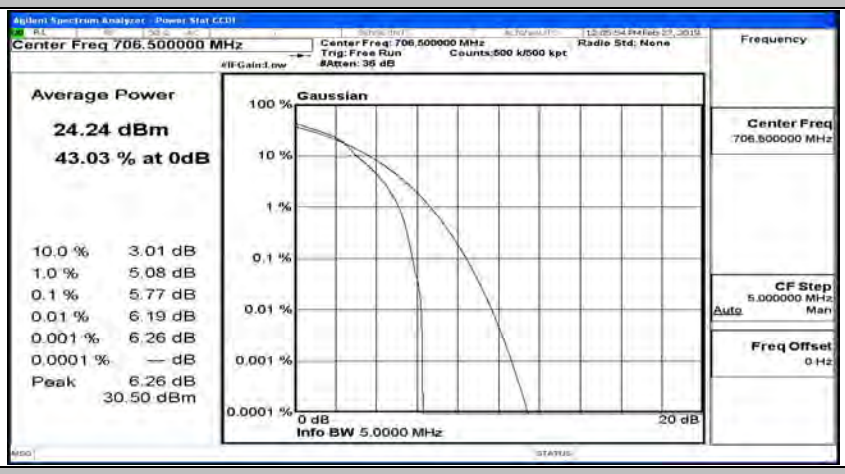
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



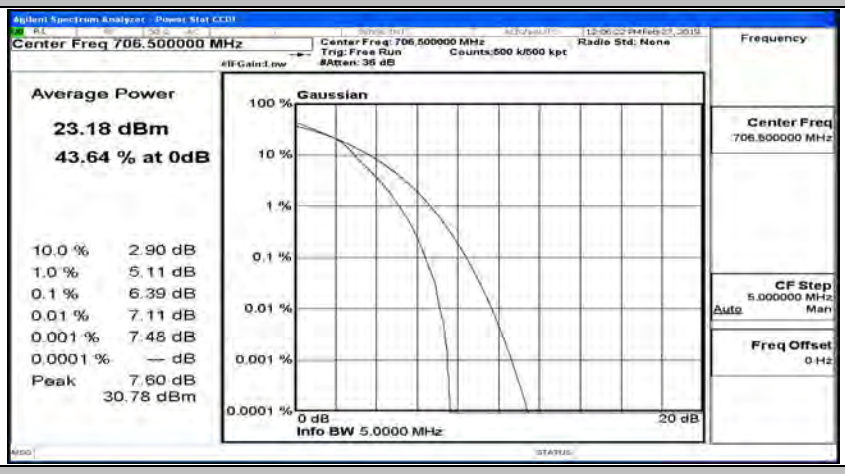
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



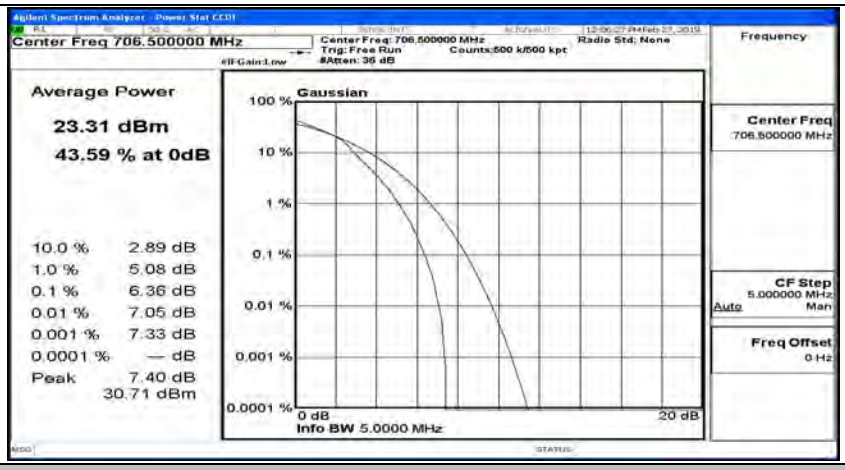
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



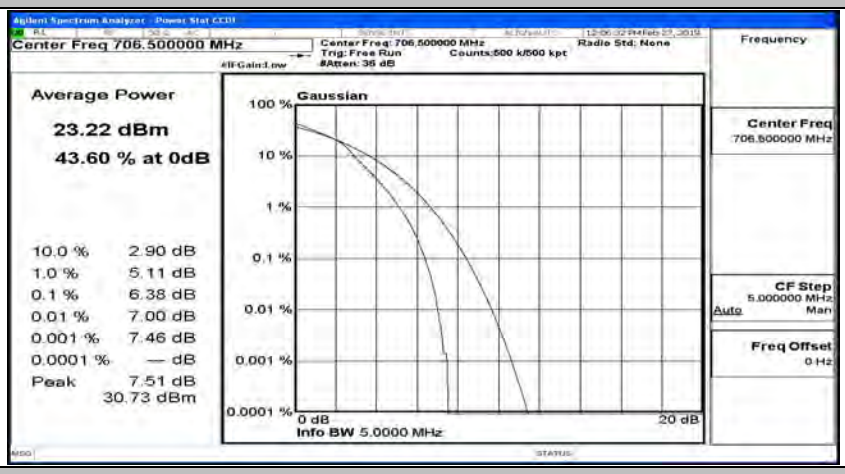
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



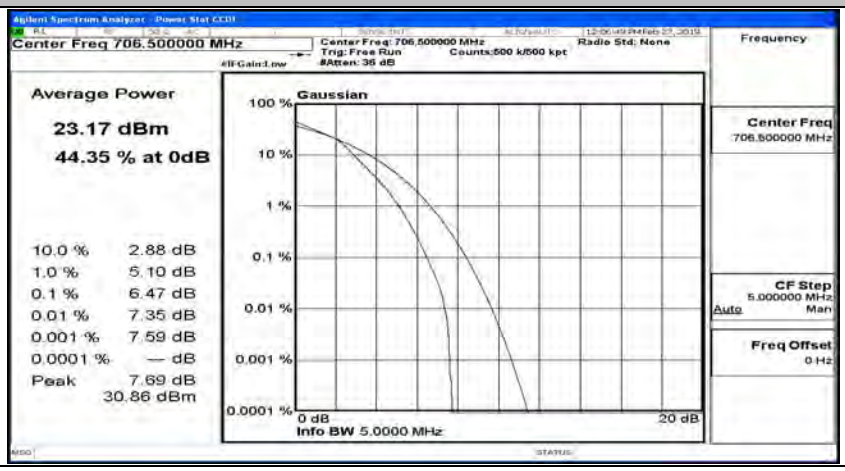
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



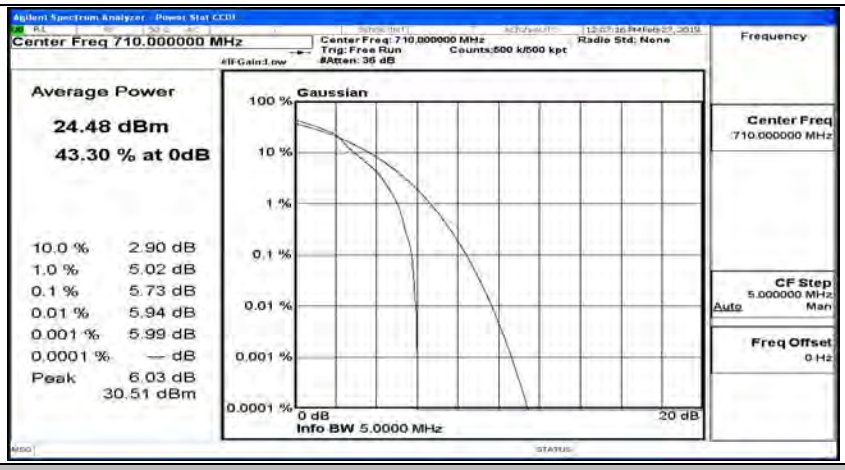
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



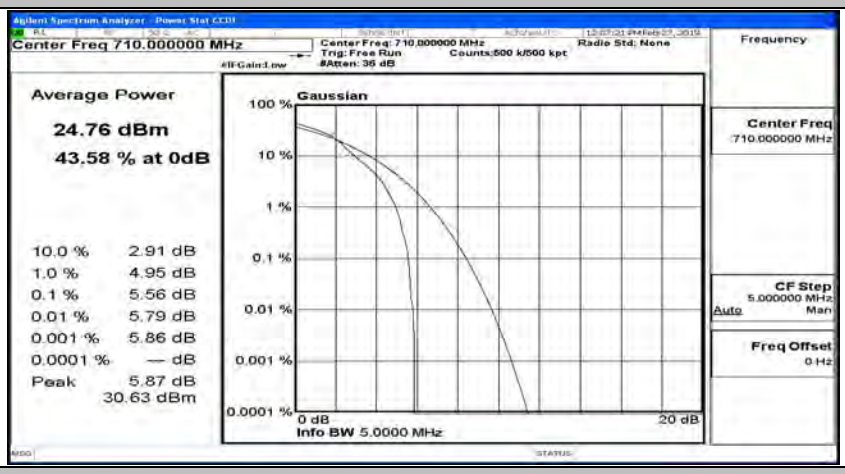
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



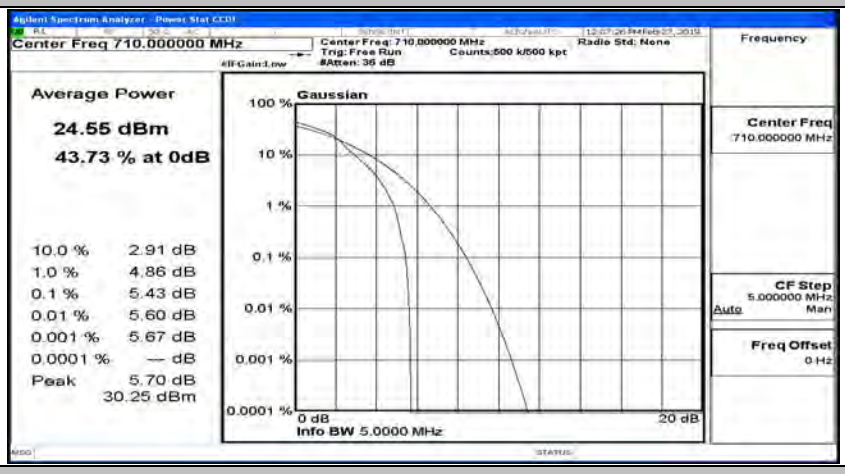
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



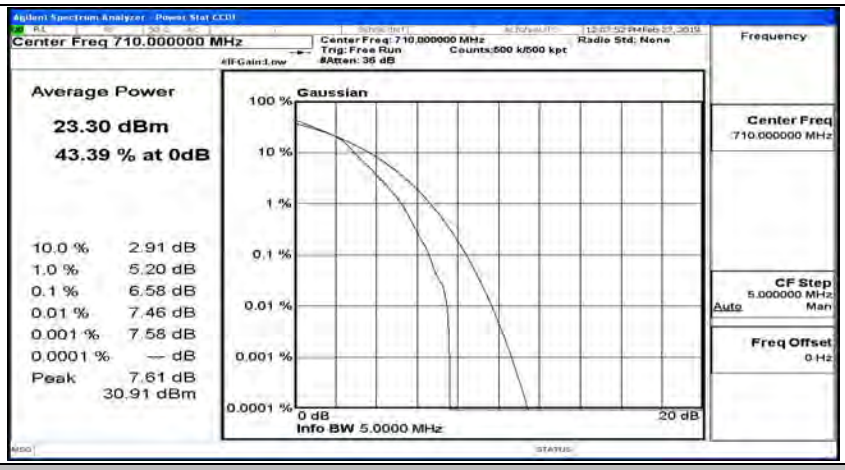
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



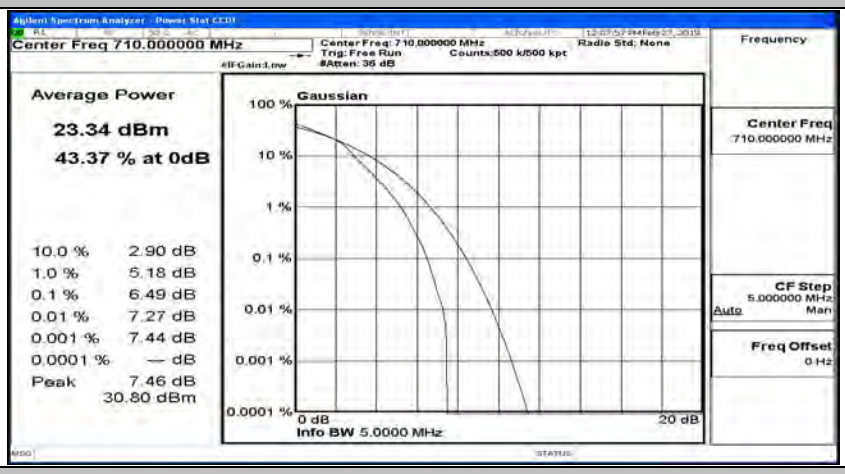
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



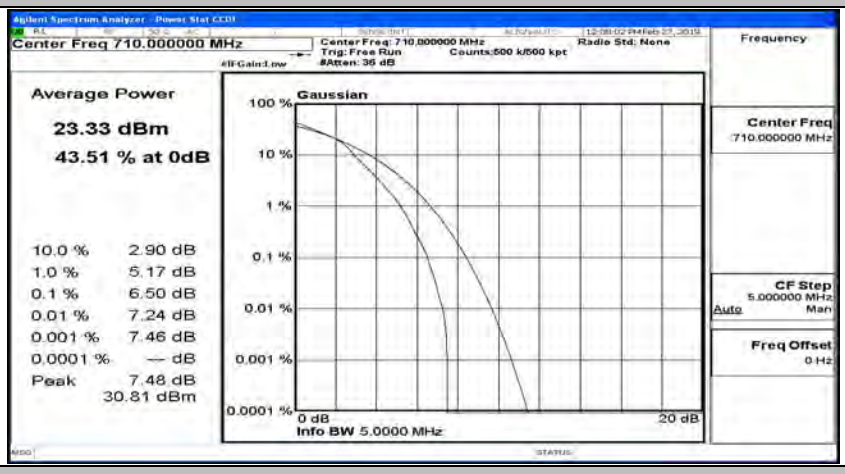
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



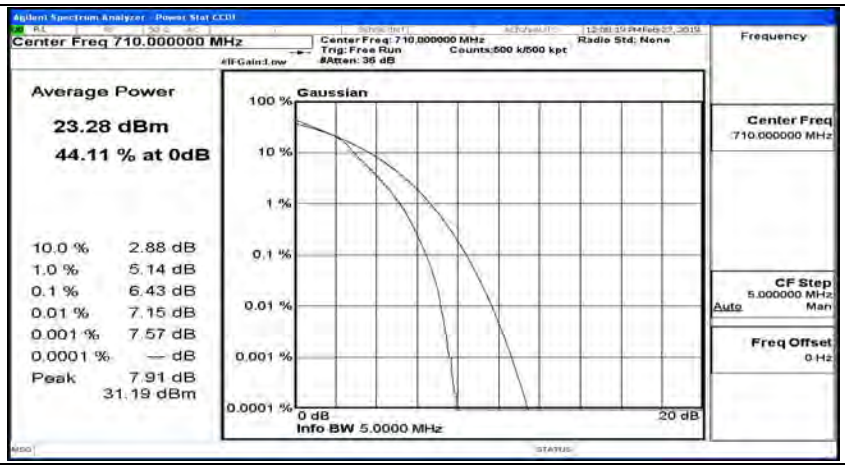
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



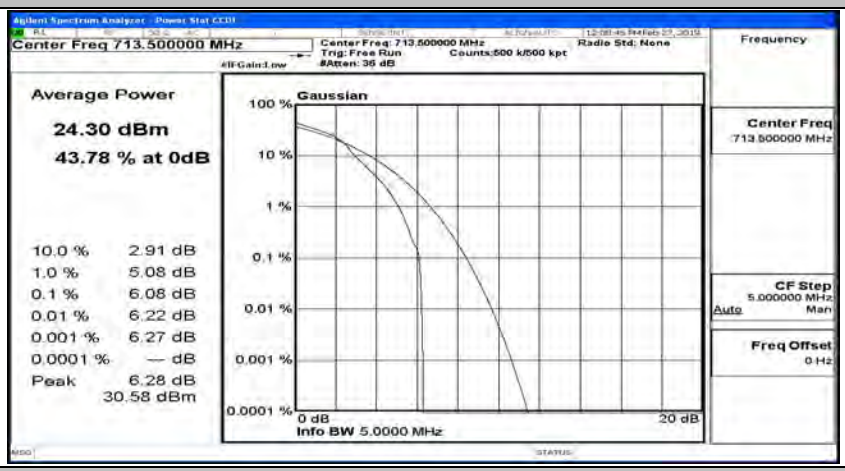
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



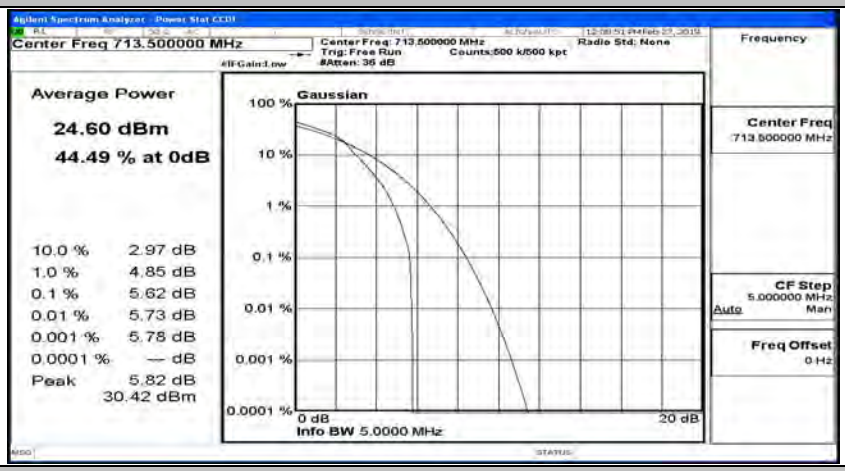
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



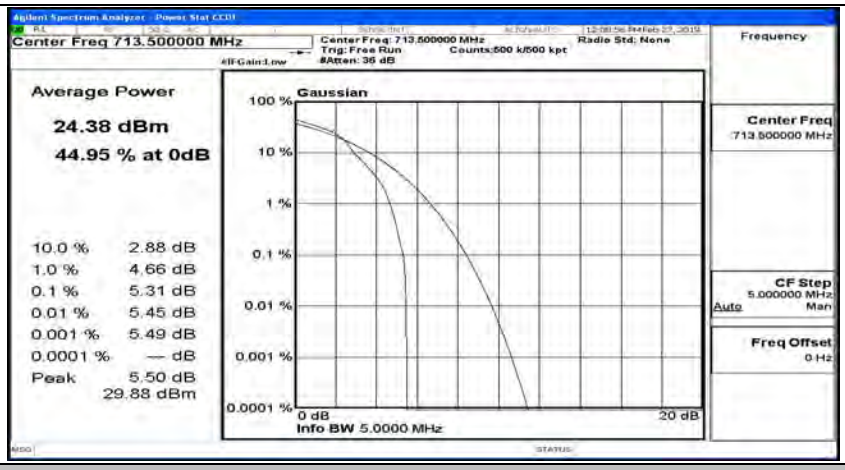
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



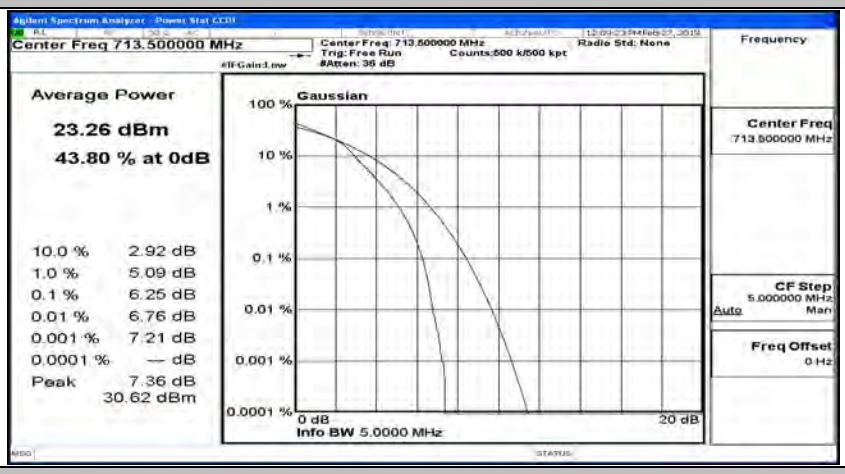
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



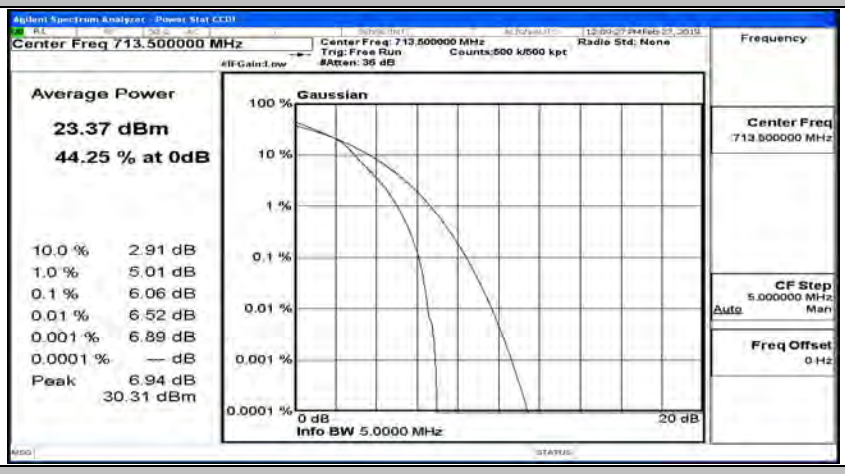
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



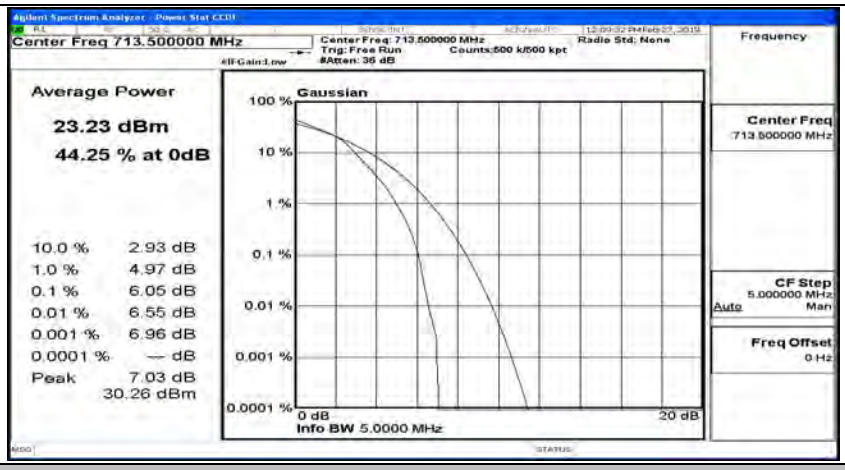
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



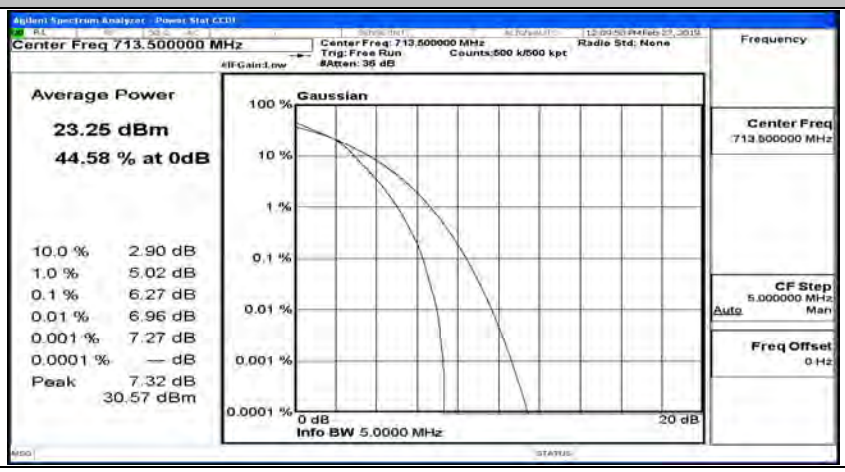
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

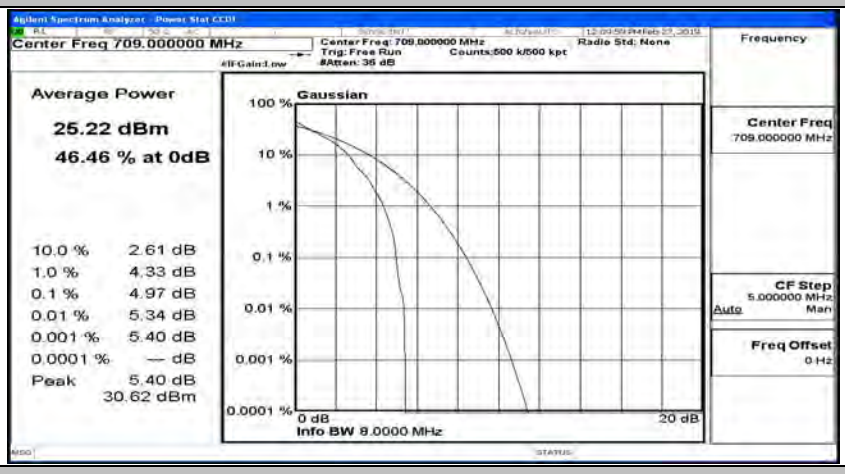


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

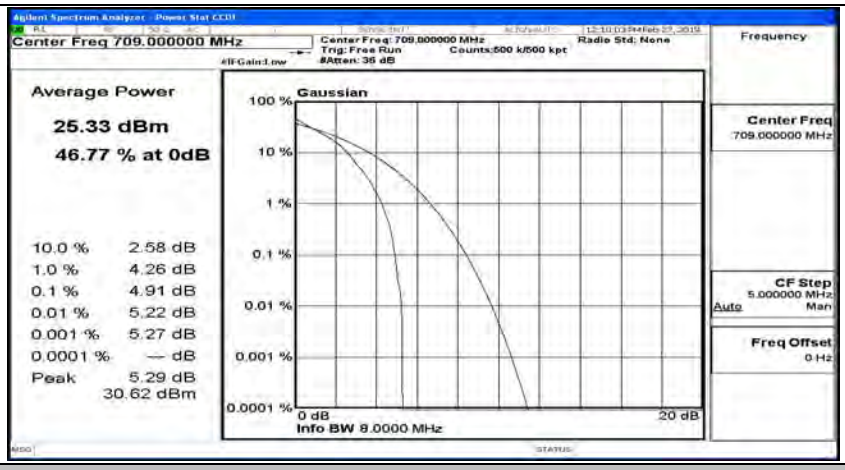


Channel Bandwidth: 10 MHz

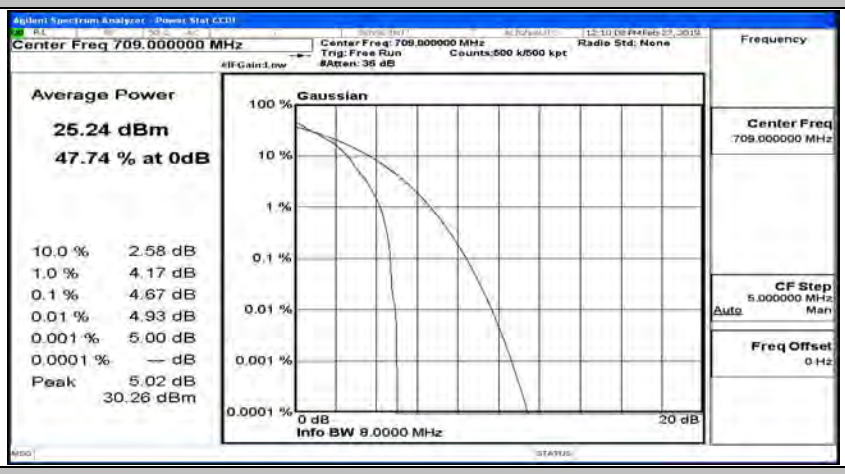
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



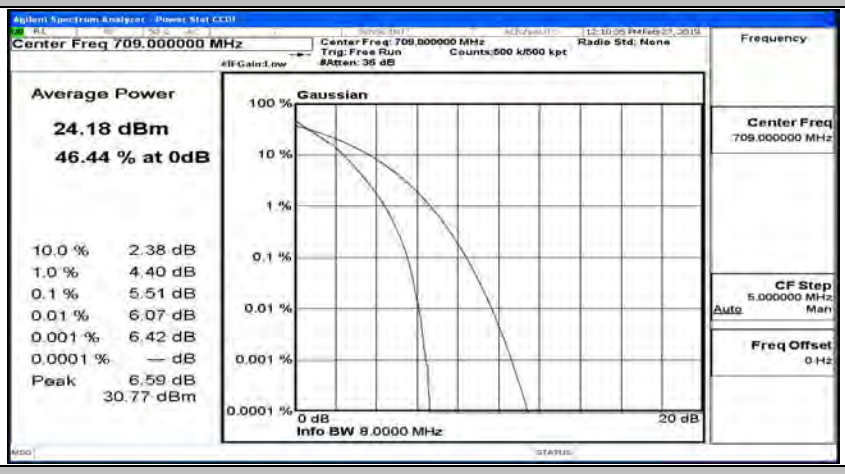
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



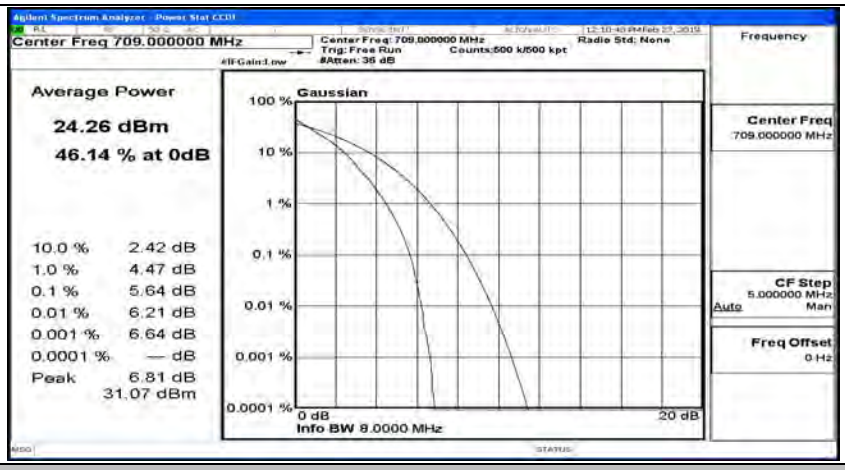
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



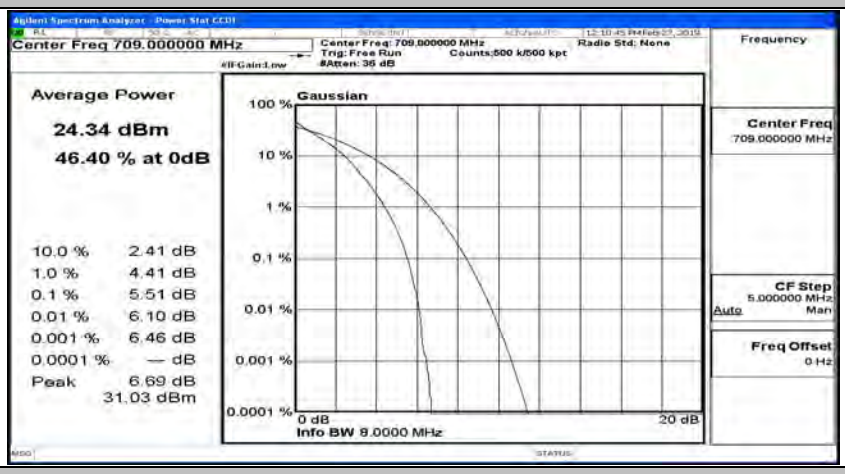
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



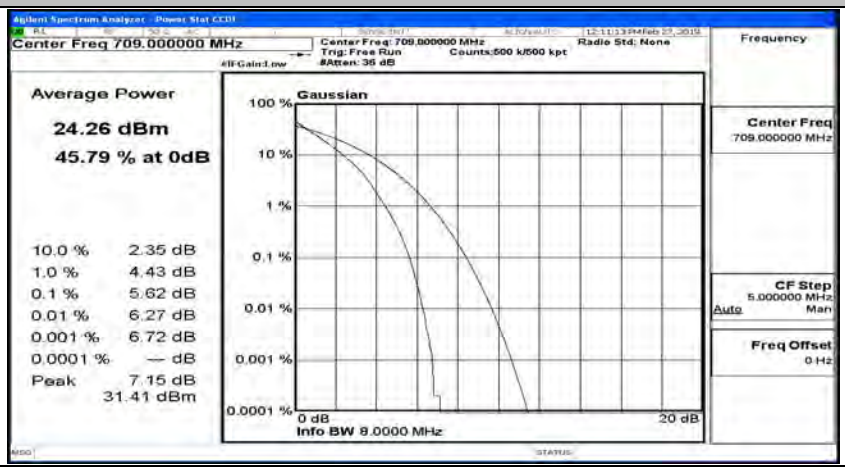
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



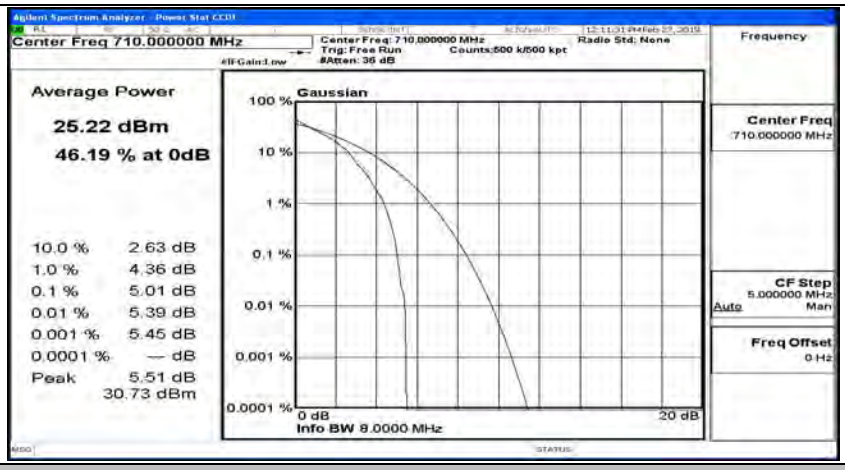
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



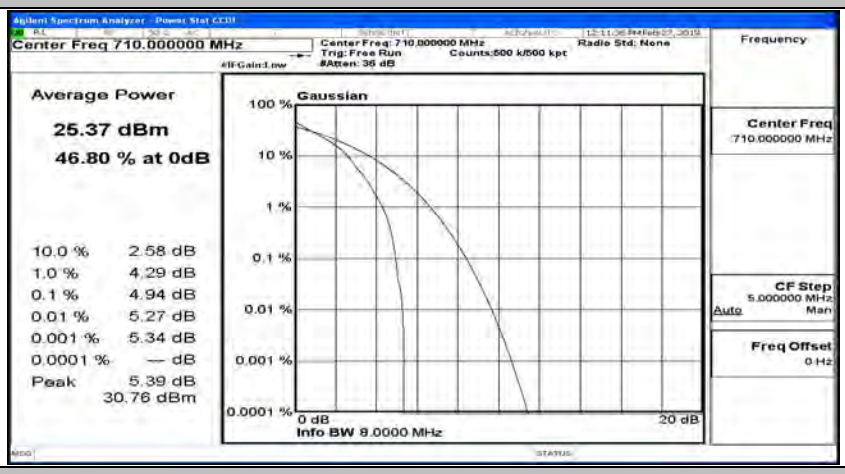
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



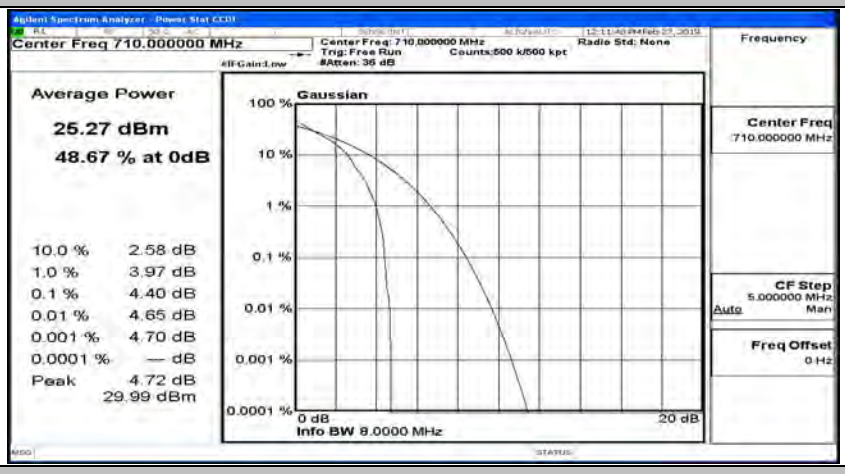
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



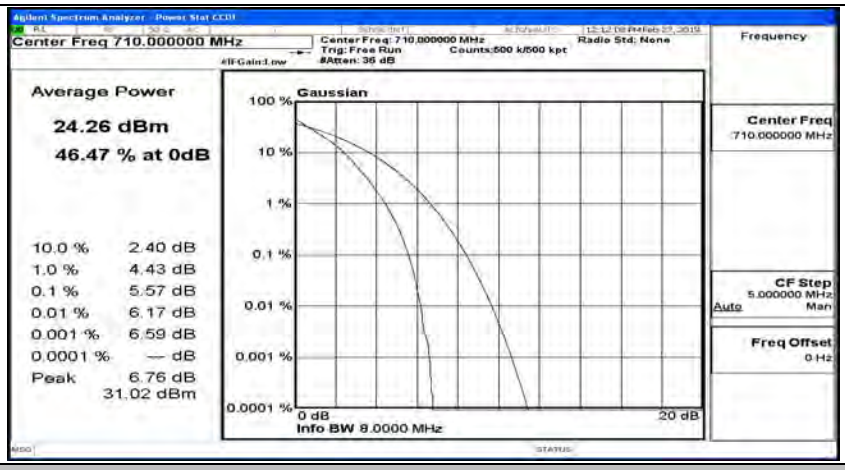
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



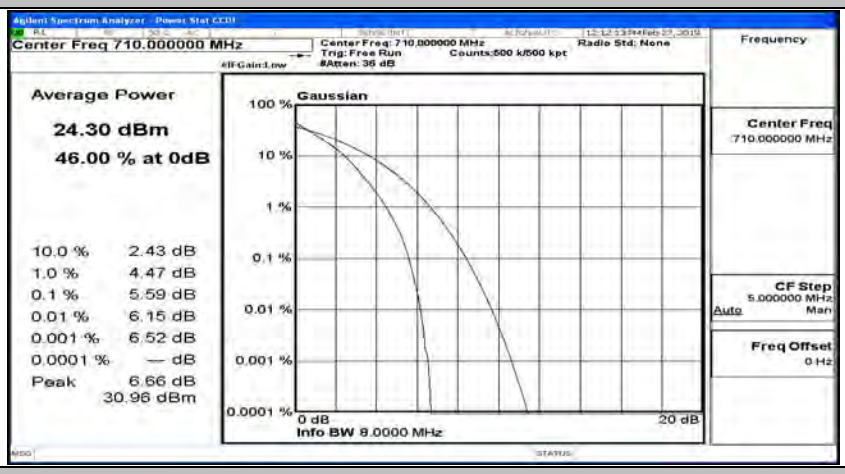
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



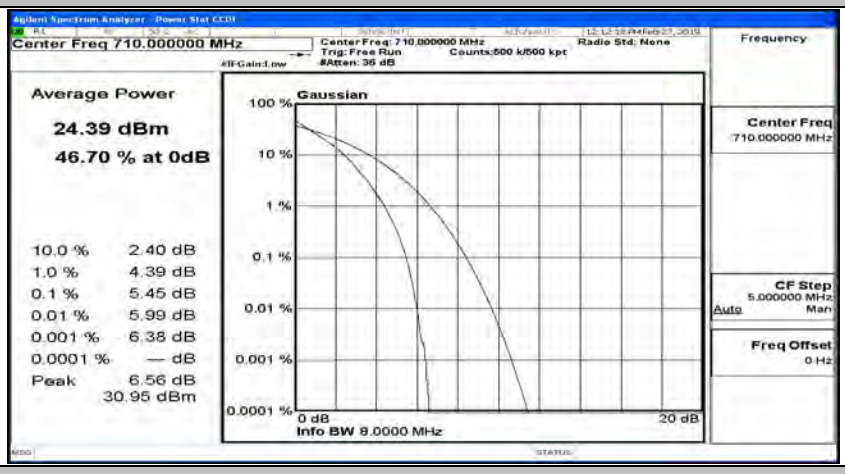
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



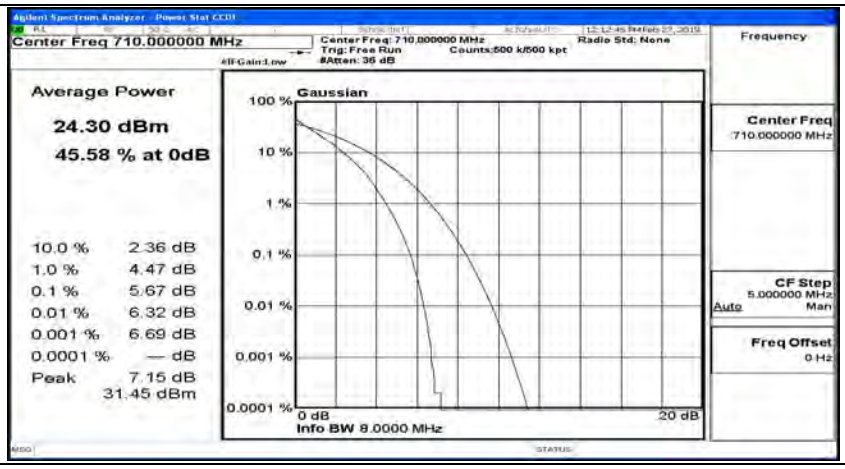
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

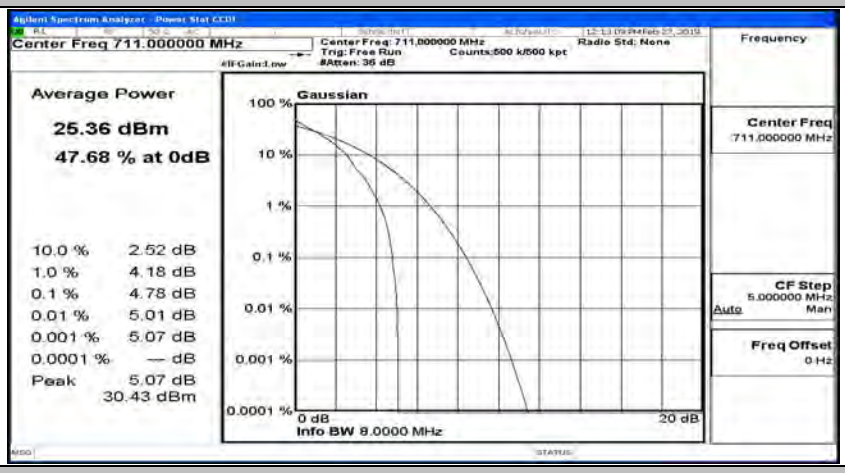


Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

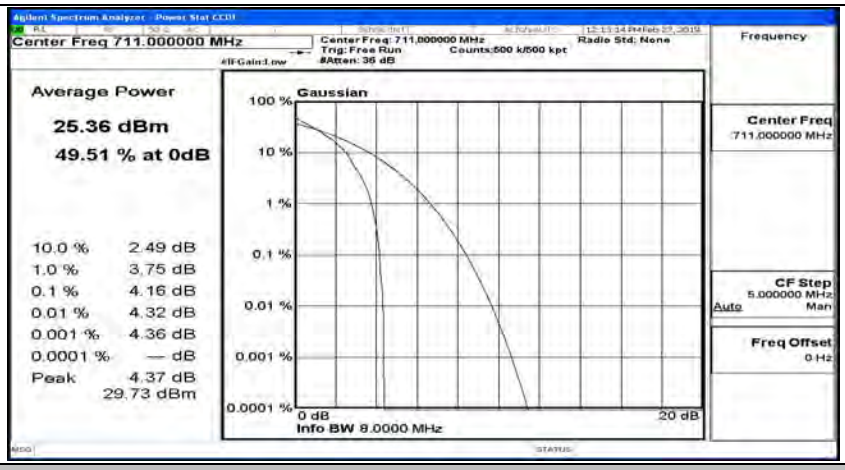


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

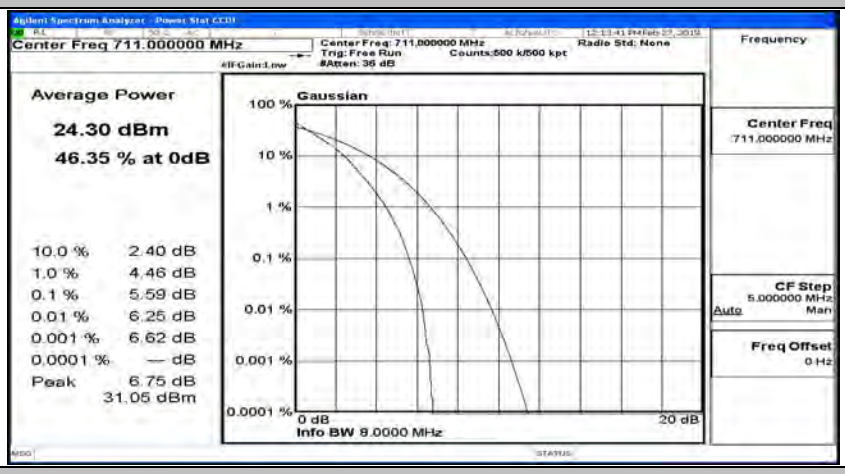
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



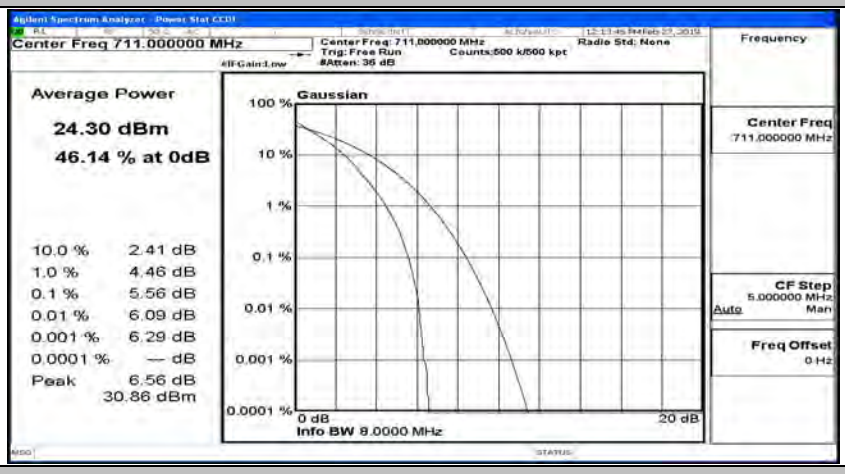
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



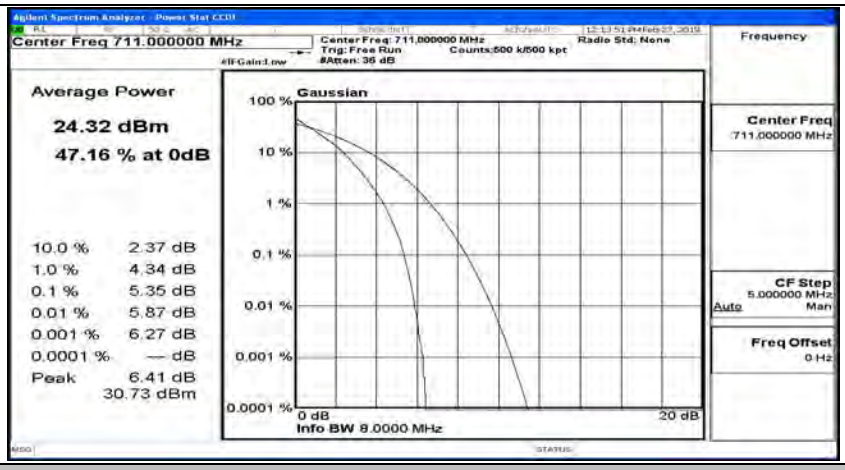
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



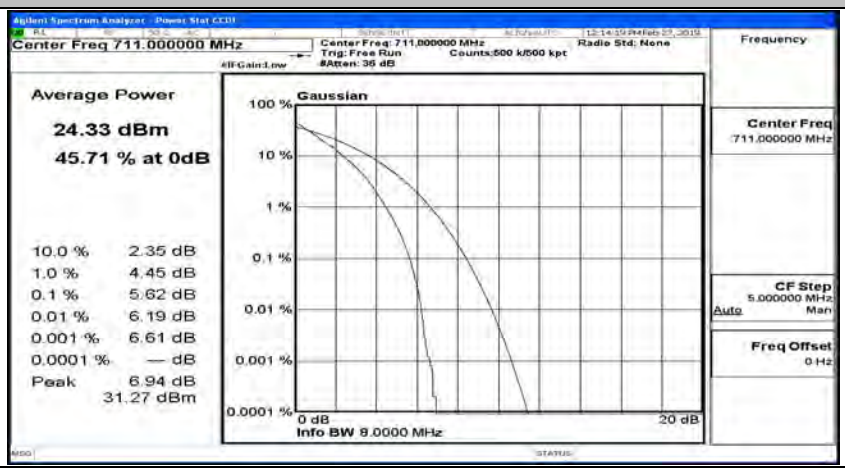
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



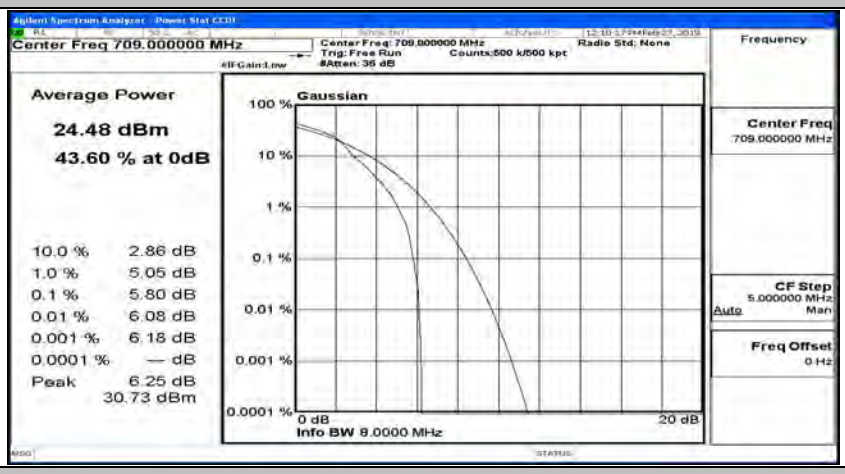
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



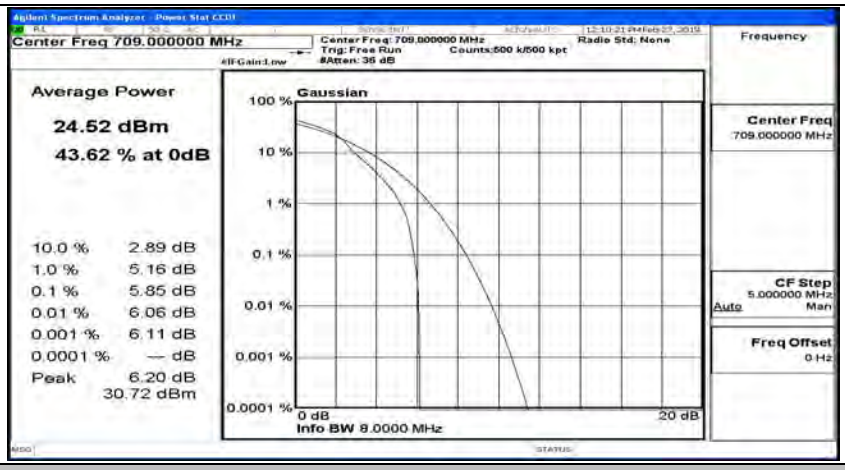
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



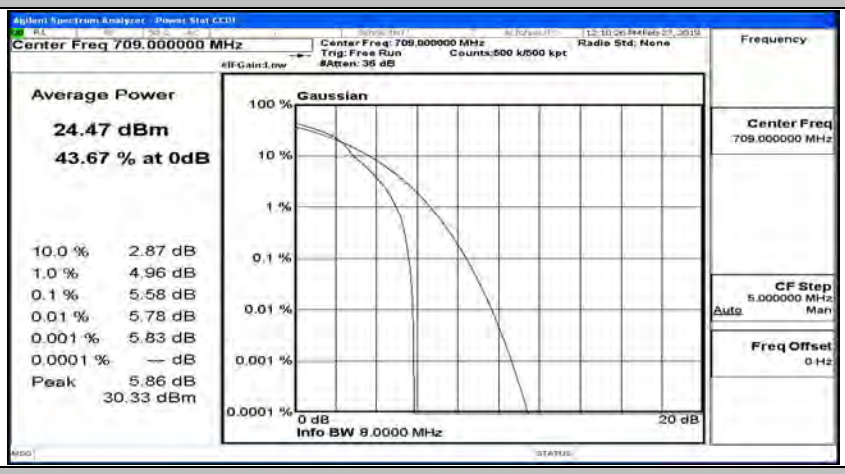
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



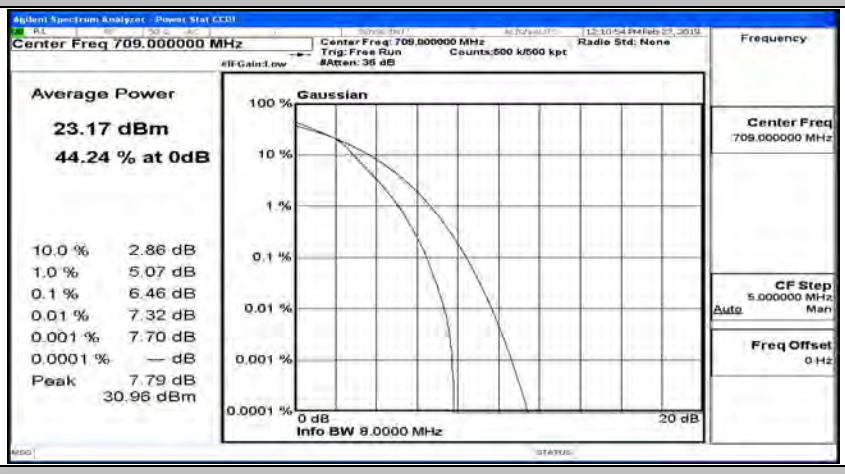
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



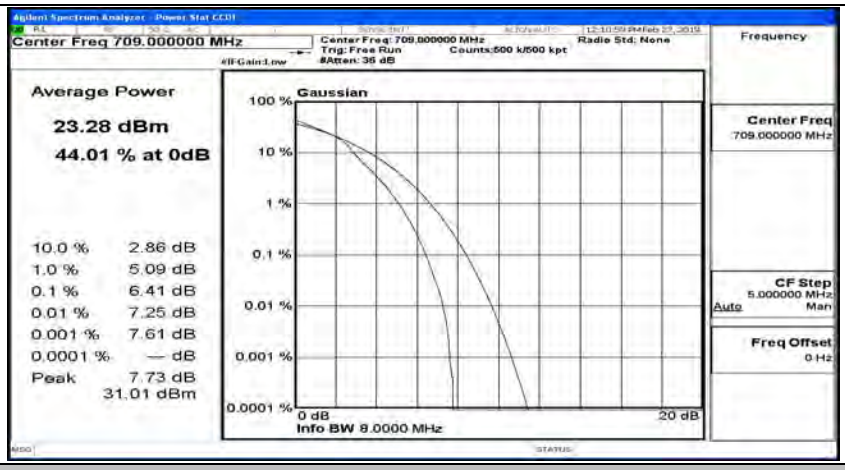
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



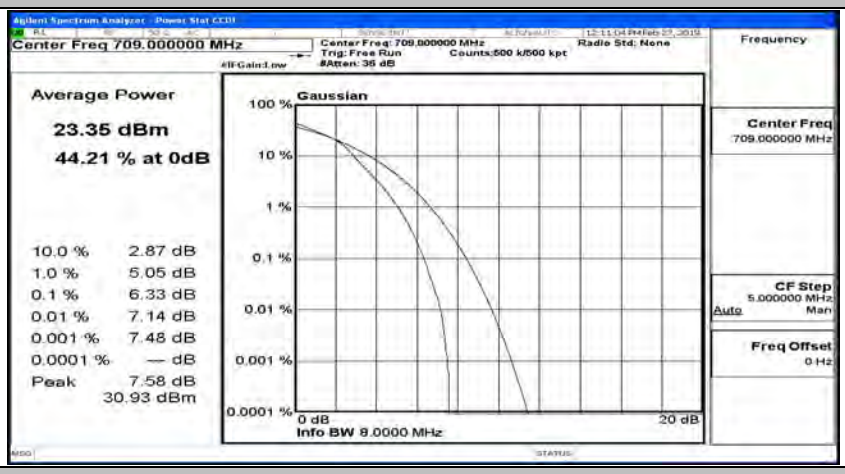
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



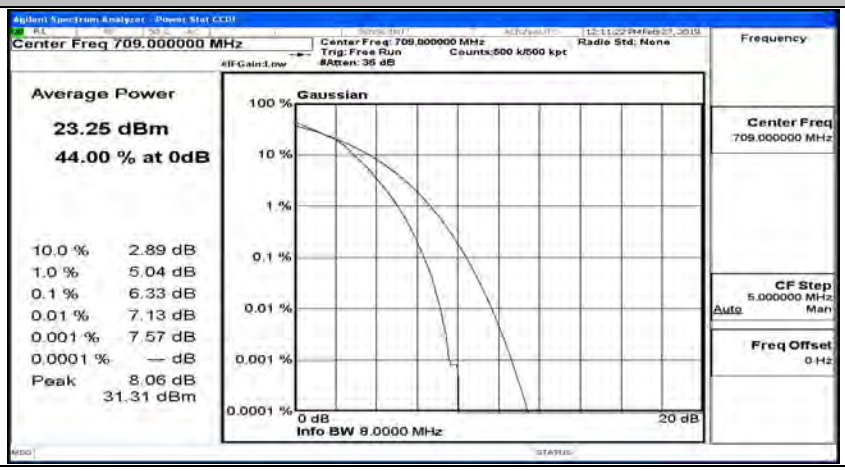
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



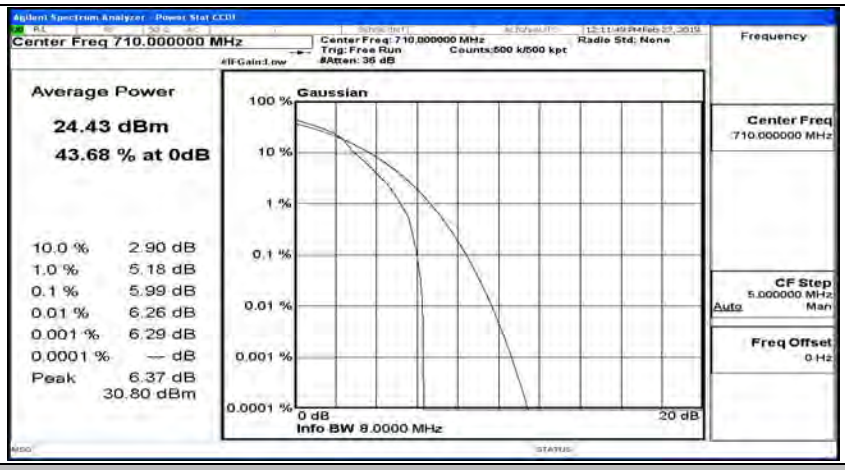
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



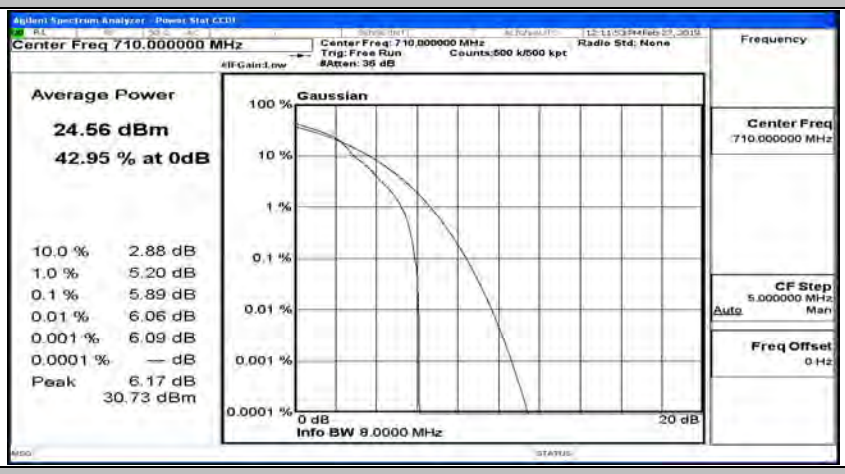
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



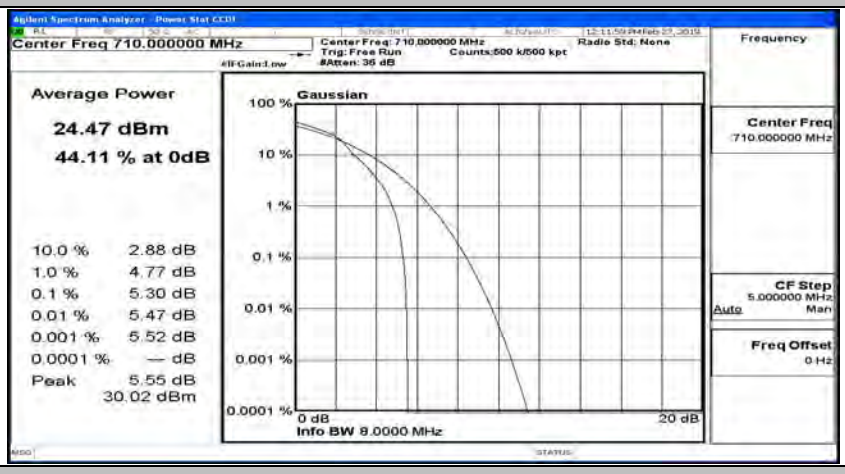
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



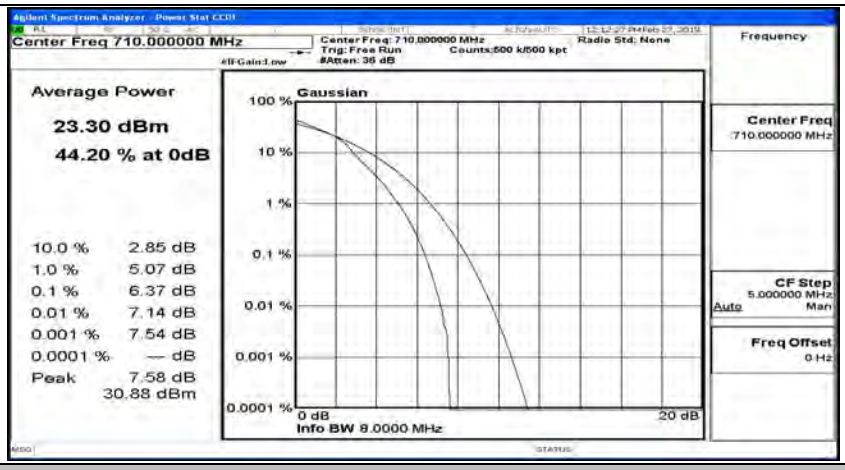
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



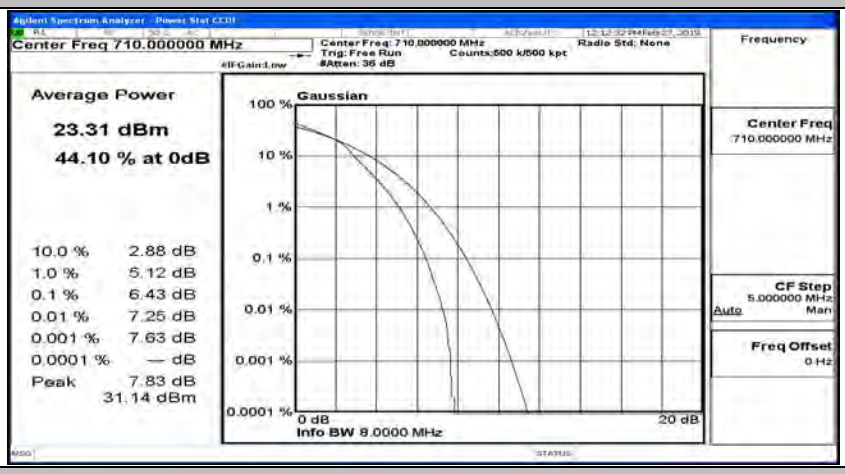
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



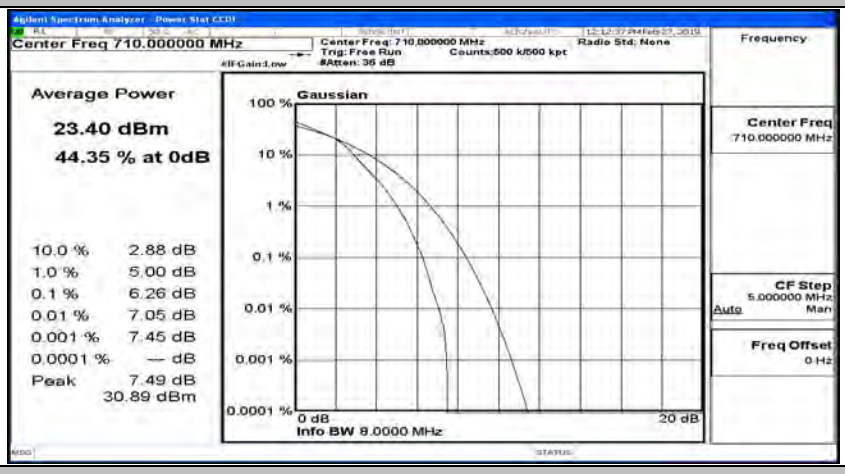
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



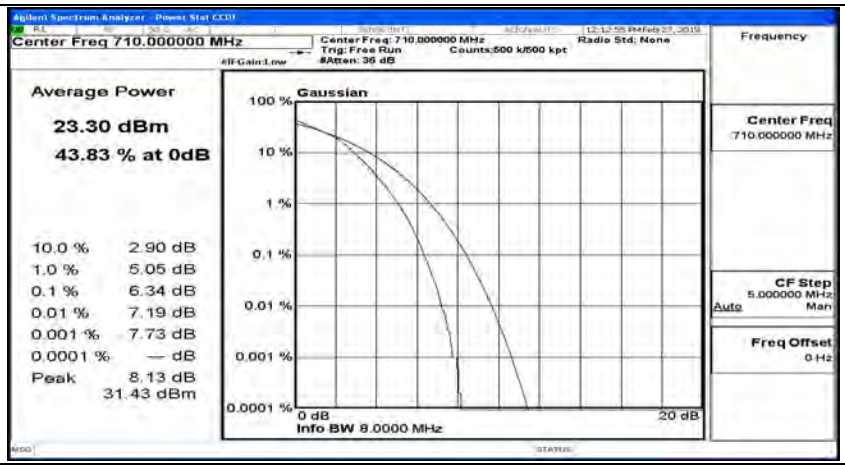
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



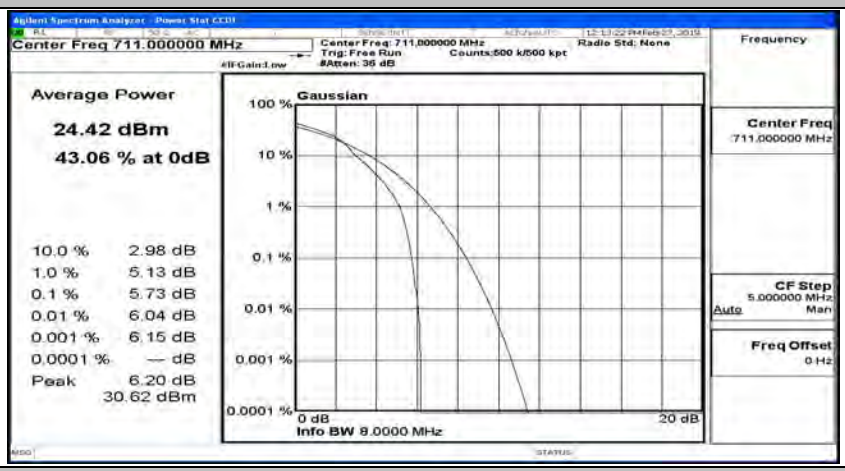
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



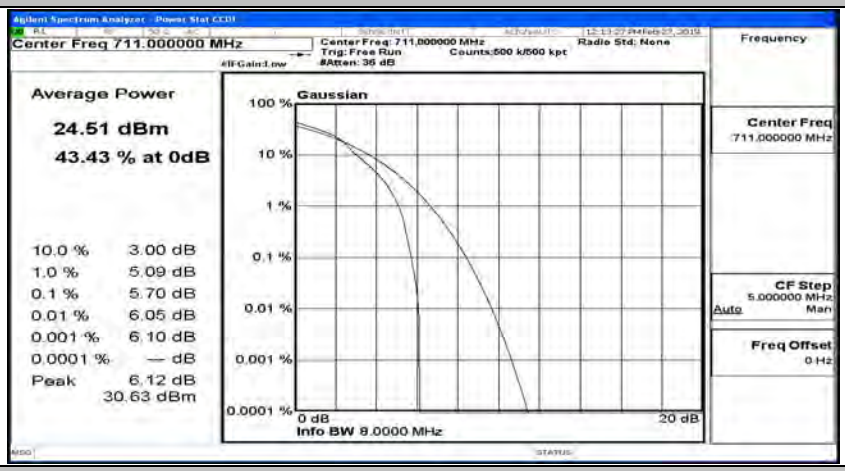
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



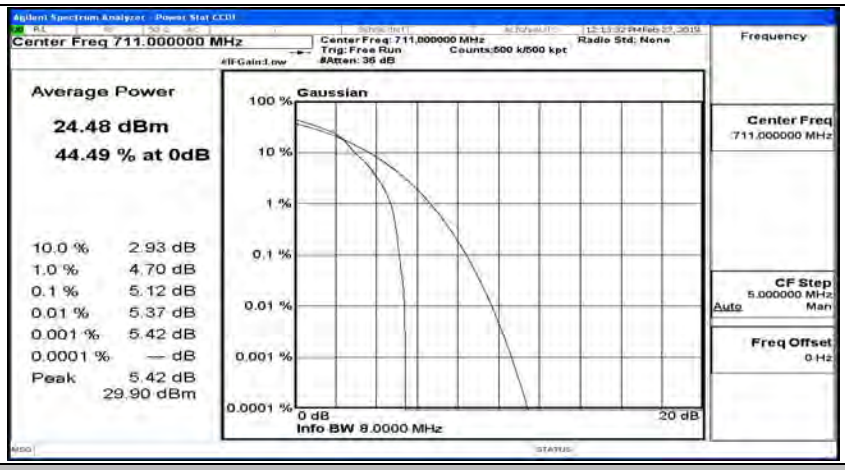
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



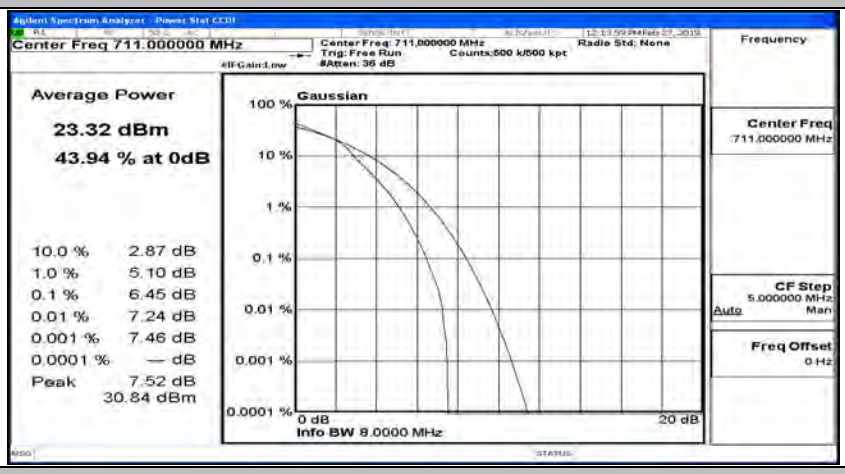
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



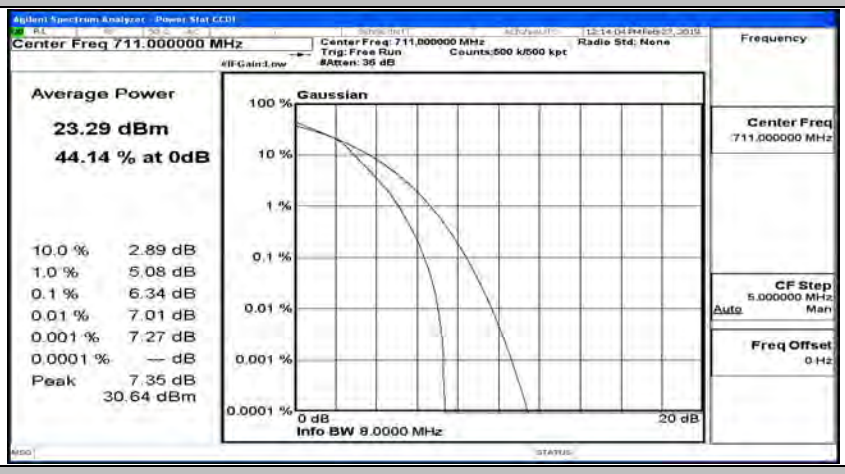
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



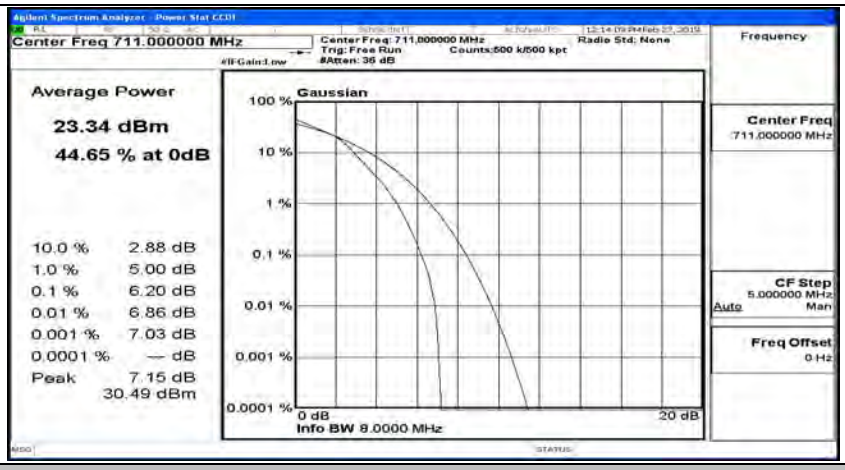
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



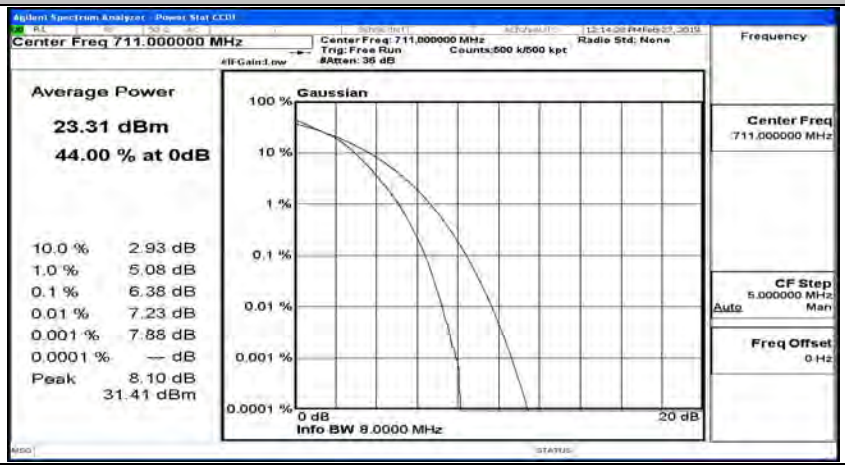
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



K.3 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	0.33015	0.5235	PASS
		1	12	0.34856	0.5697	PASS
		1	24	0.34003	0.5437	PASS
		12	0	2.1772	2.514	PASS
		12	6	2.1756	2.554	PASS
		12	13	2.1734	2.602	PASS
		25	0	4.4713	4.835	PASS
	MCH	1	0	0.33776	0.5670	PASS
		1	12	0.35957	0.6027	PASS
		1	24	0.35152	0.5958	PASS
		12	0	2.1784	2.615	PASS
		12	6	2.1795	2.620	PASS
		12	13	2.1796	2.601	PASS
		25	0	4.4803	4.877	PASS
	HCH	1	0	0.32567	0.5557	PASS
		1	12	0.33819	0.5687	PASS
		1	24	0.33327	0.5090	PASS
		12	0	2.1733	2.515	PASS
		12	6	2.1768	2.536	PASS
		12	13	2.1767	2.588	PASS
		25	0	4.4706	4.803	PASS
16QAM	LCH	1	0	0.34779	0.5775	PASS
		1	12	0.35518	0.5717	PASS
		1	24	0.33912	0.5323	PASS
		12	0	2.1745	2.589	PASS
		12	6	2.1728	2.536	PASS
		12	13	2.1739	2.579	PASS
		25	0	4.4610	4.885	PASS
	MCH	1	0	0.36663	0.5700	PASS
		1	12	0.37378	0.6193	PASS
		1	24	0.34509	0.5281	PASS
		12	0	2.1796	2.538	PASS
		12	6	2.1817	2.595	PASS

		12	13	2.1786	2.565	PASS
		25	0	4.4864	4.908	PASS
	HCH	1	0	0.34676	0.5589	PASS
		1	12	0.35935	0.5260	PASS
		1	24	0.35531	0.5846	PASS
		12	0	2.1730	2.606	PASS
		12	6	2.1720	2.539	PASS
		12	13	2.1681	2.512	PASS
		25	0	4.4670	4.851	PASS

Channel Bandwidth: 10 MHz

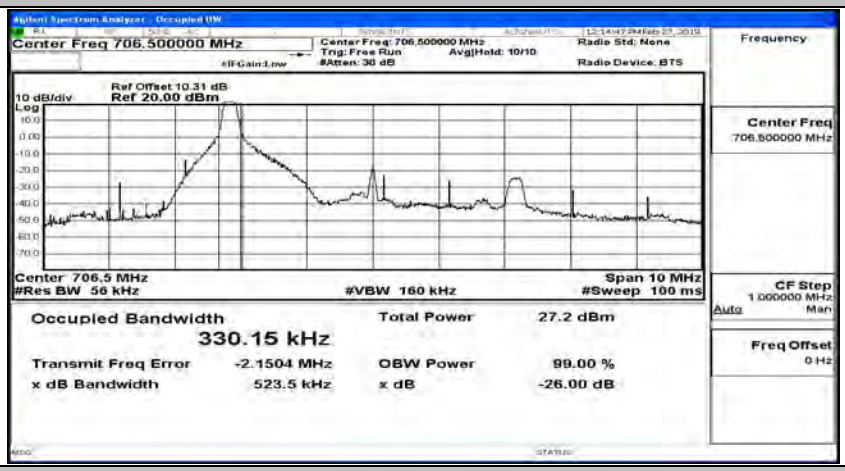
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.43892	0.7208	PASS
		1	25	0.44624	0.6942	PASS
		1	49	0.42263	0.6891	PASS
		25	0	4.5053	4.963	PASS
		25	12	4.5155	5.067	PASS
		25	25	4.5283	5.066	PASS
		50	0	8.9335	9.511	PASS
	MCH	1	0	0.42976	0.6804	PASS
		1	25	0.45283	0.6732	PASS
		1	49	0.44055	0.7096	PASS
		25	0	4.5117	4.975	PASS
		25	12	4.5130	5.031	PASS
		25	25	4.5182	5.071	PASS
		50	0	8.9314	9.548	PASS
	HCH	1	0	0.44473	0.7080	PASS
		1	25	0.44680	0.6962	PASS
		1	49	0.44923	0.7119	PASS
		25	0	4.5147	5.011	PASS
		25	12	4.5163	5.093	PASS
		25	25	4.4992	5.073	PASS
		50	0	8.9353	9.550	PASS
16QAM	LCH	1	0	0.44177	0.6933	PASS
		1	25	0.44446	0.6985	PASS
		1	49	0.43351	0.7163	PASS
		25	0	4.5057	4.938	PASS
		25	12	4.5137	5.021	PASS
		25	25	4.5187	5.057	PASS

		50	0	8.9350	9.542	PASS
	MCH	1	0	0.44365	0.7088	PASS
		1	25	0.43993	0.7119	PASS
		1	49	0.44673	0.6918	PASS
		25	0	4.5088	4.906	PASS
		25	12	4.5122	5.044	PASS
		25	25	4.5106	5.011	PASS
		50	0	8.9378	9.486	PASS
	HCH	1	0	0.43208	0.6961	PASS
		1	25	0.43796	0.6821	PASS
		1	49	0.42275	0.6478	PASS
		25	0	4.5041	5.052	PASS
		25	12	4.5130	5.212	PASS
		25	25	4.5026	5.039	PASS
		50	0	8.9551	9.487	PASS

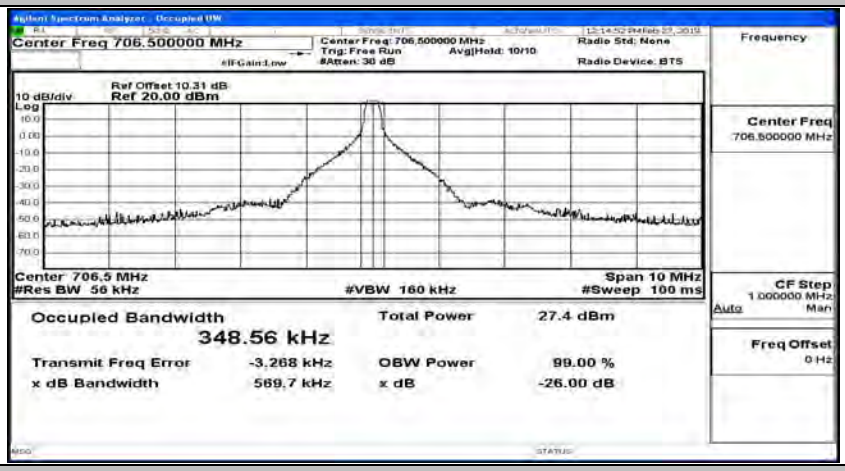
Test Graphs

Channel Bandwidth: 5 MHz

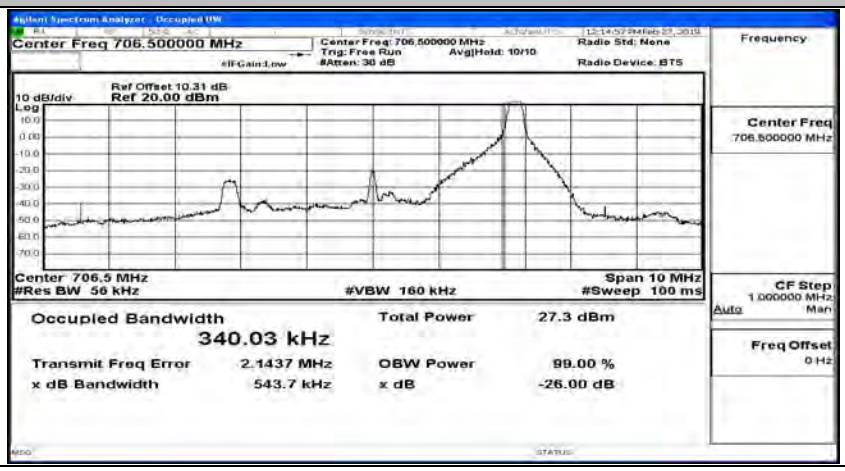
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



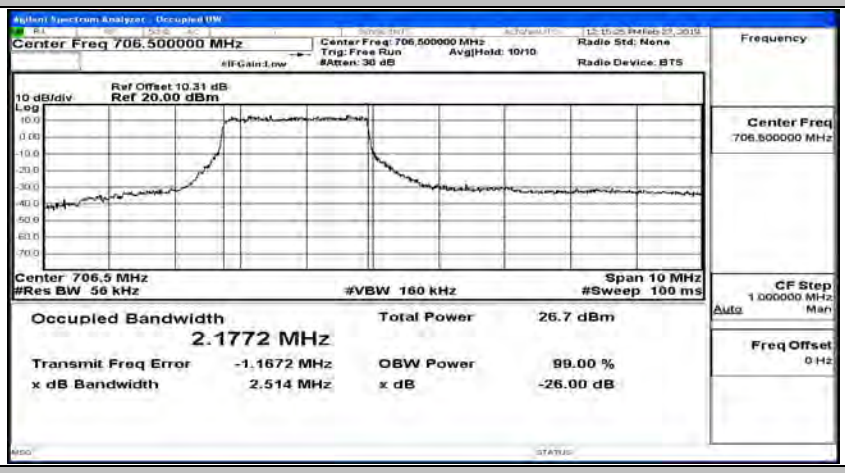
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



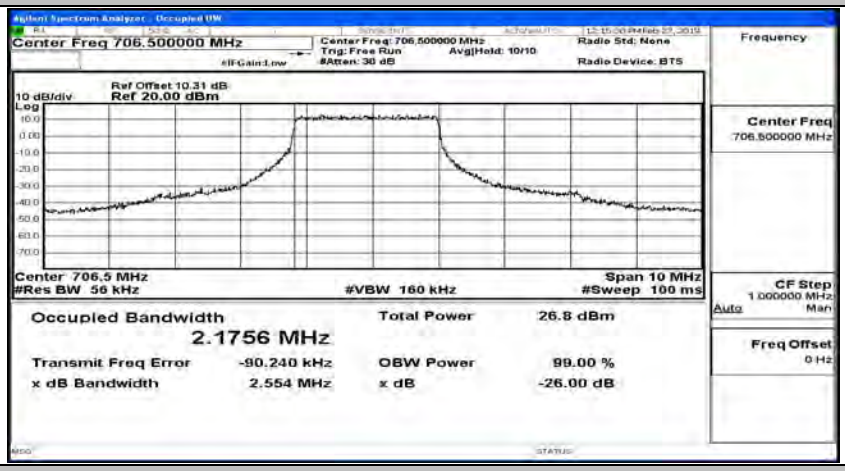
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



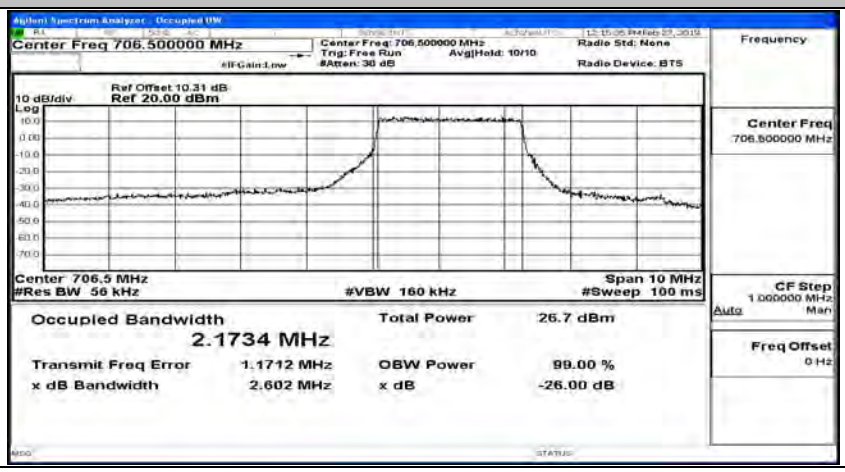
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



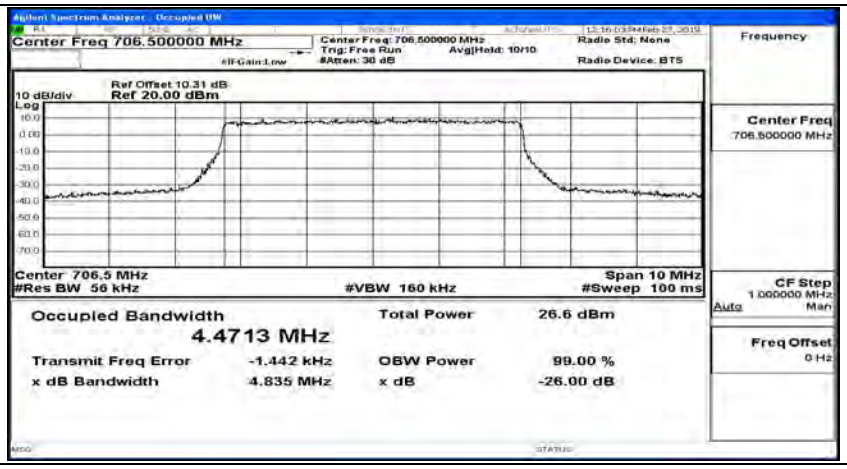
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



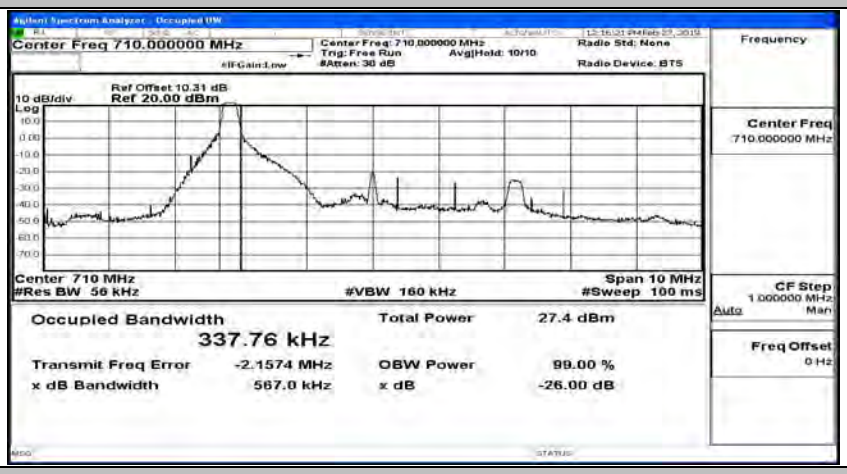
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



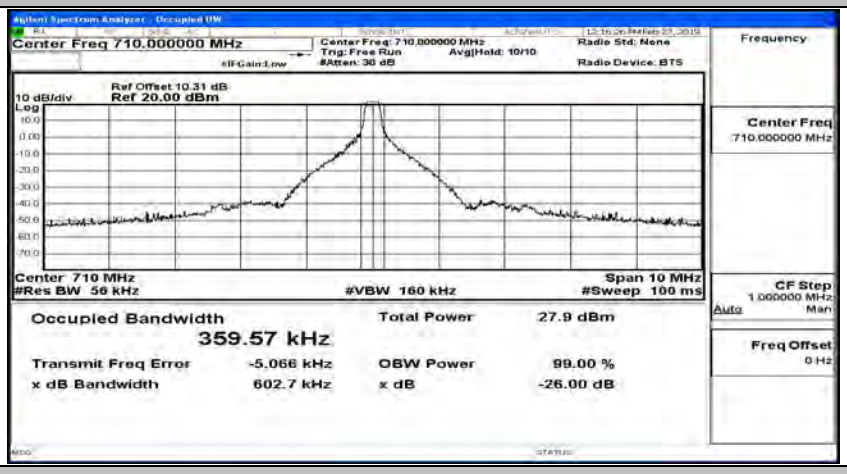
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



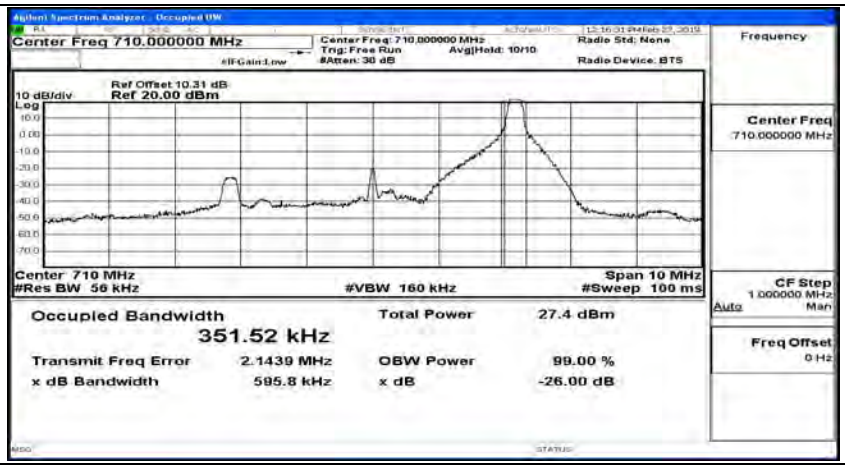
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



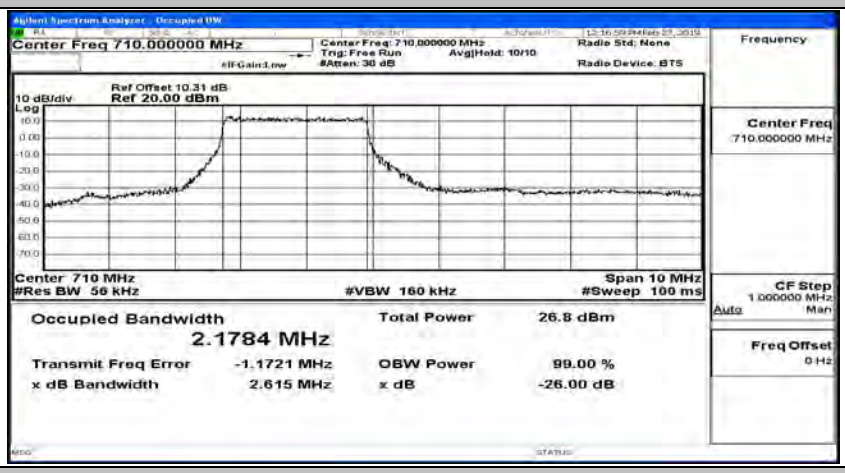
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



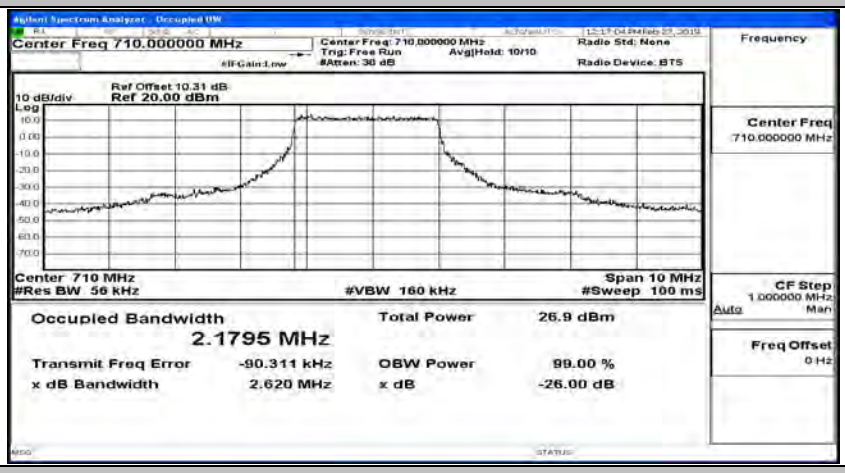
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



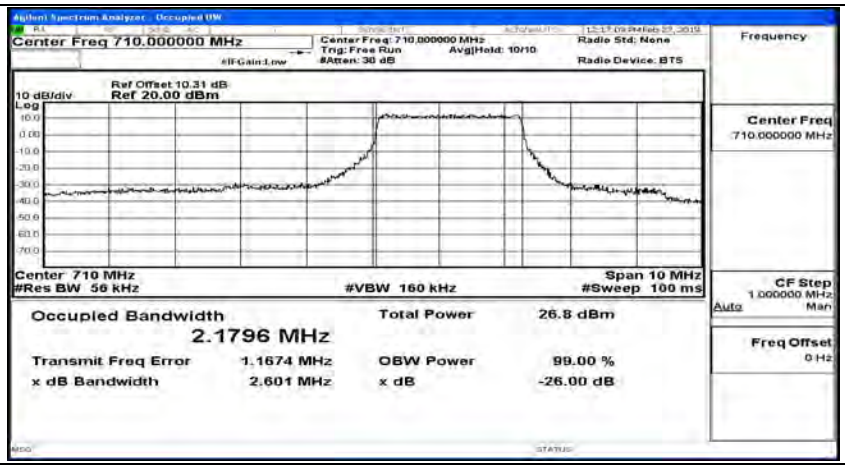
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



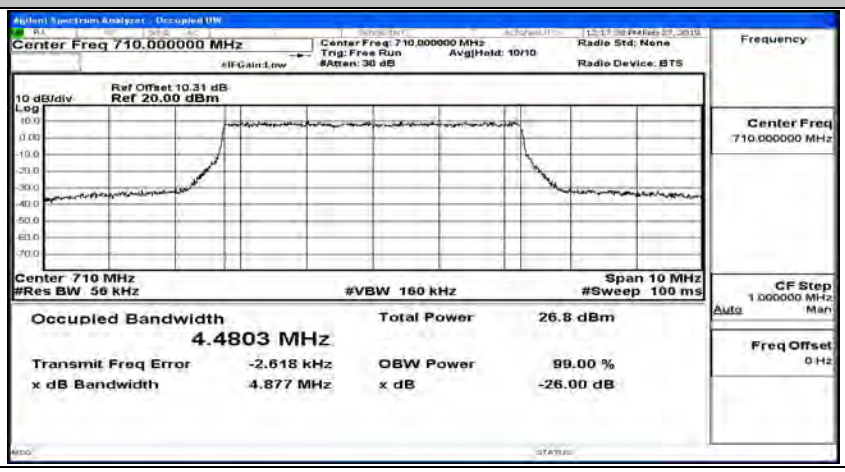
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



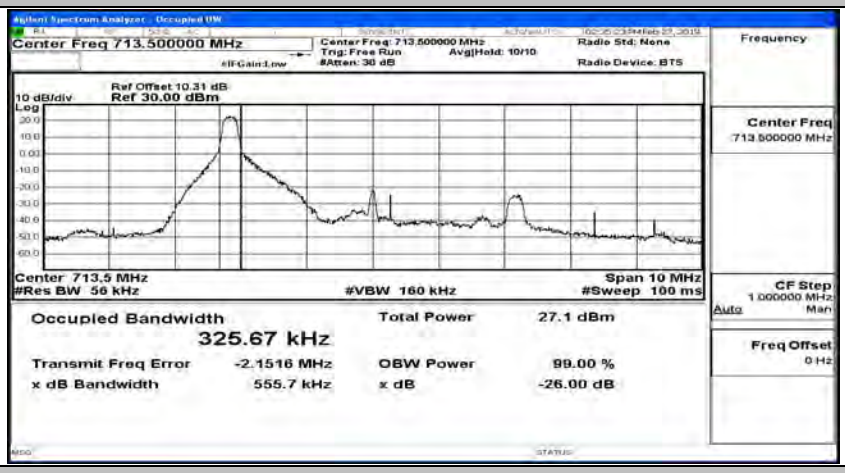
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



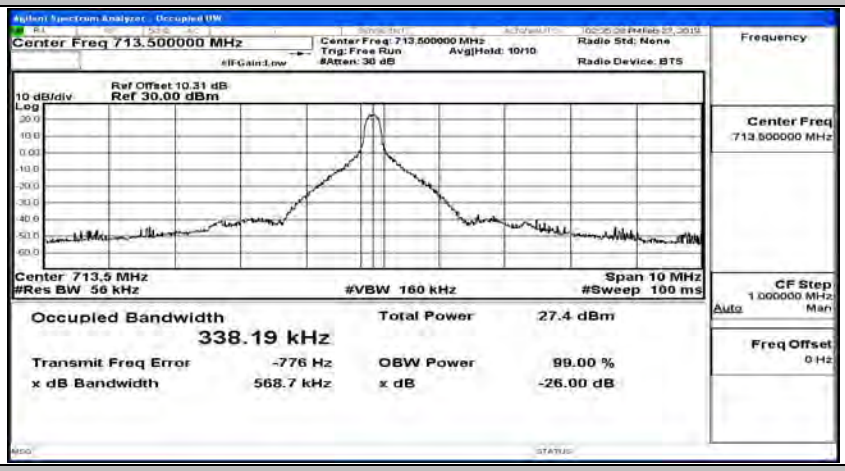
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



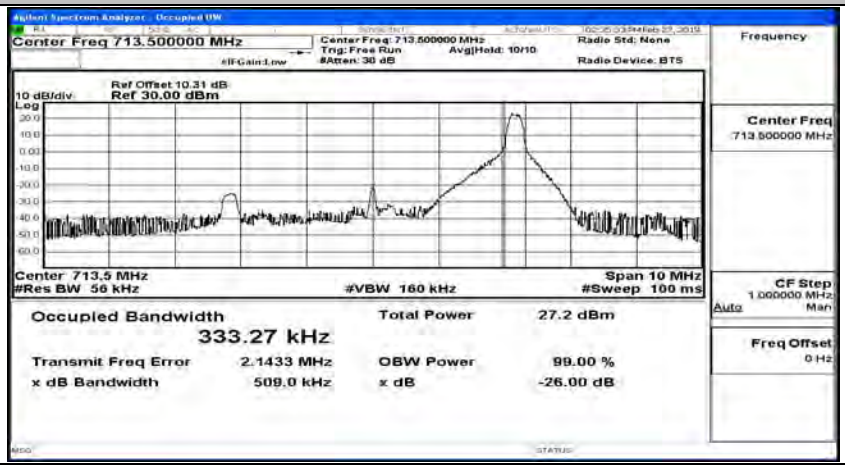
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



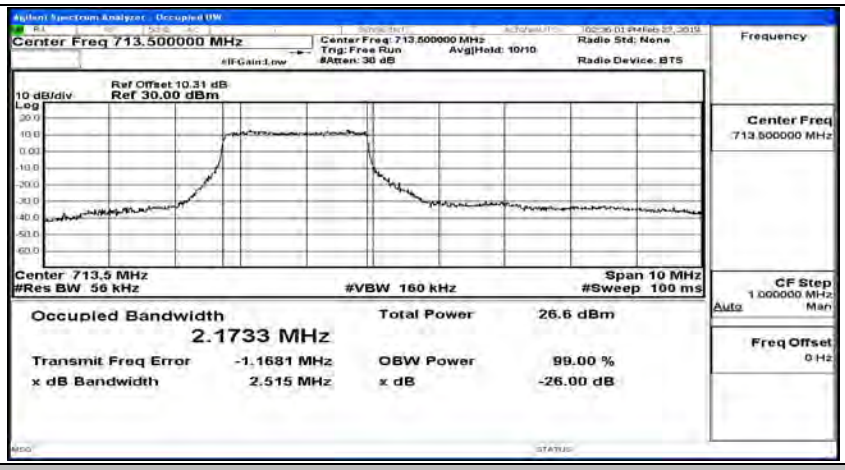
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



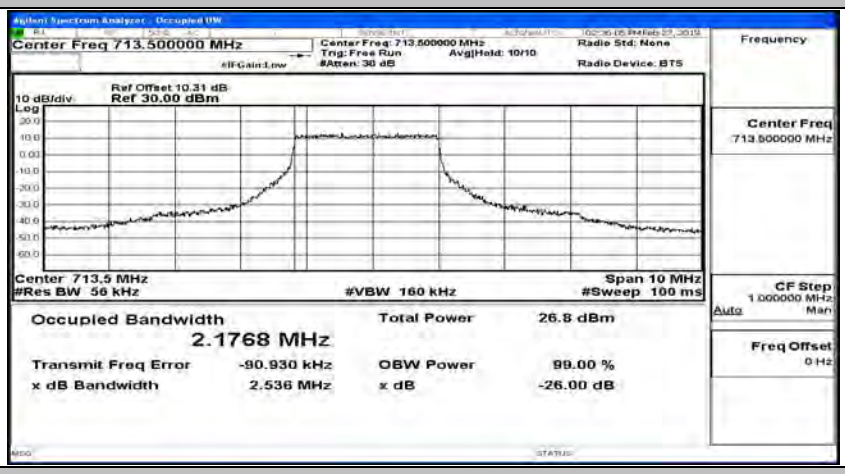
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



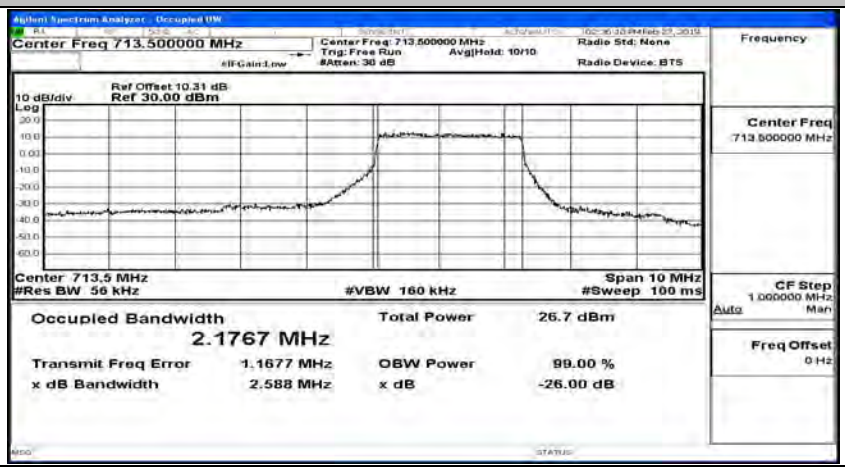
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



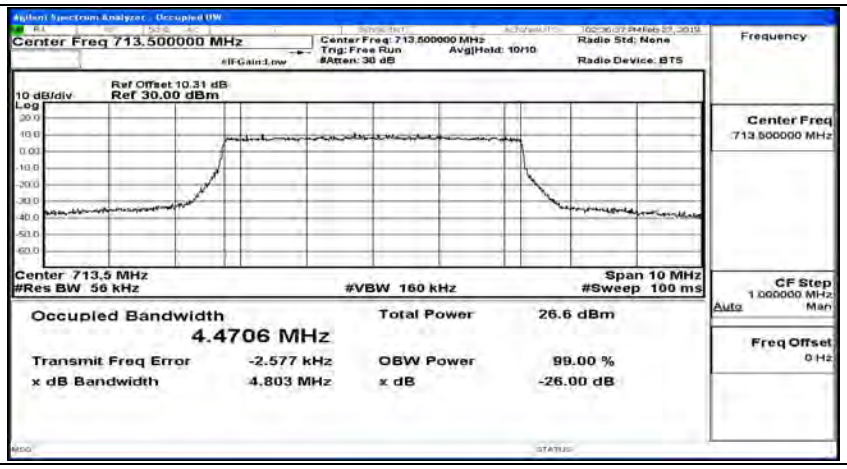
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



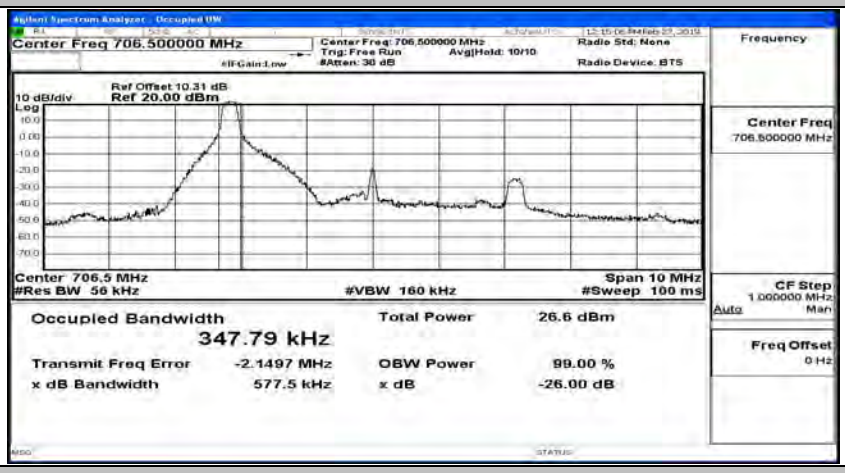
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



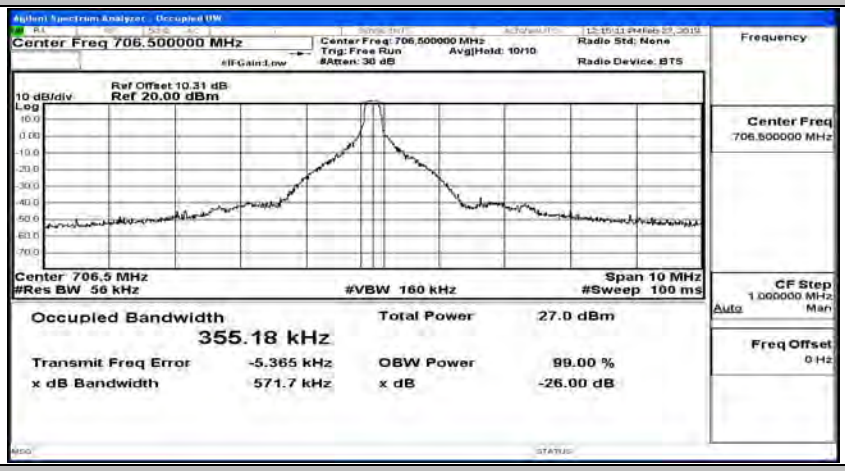
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 713.500000 MHz
Center Freq: 713.500000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 10.31 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
713.500000 MHz
Center 713.5 MHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
4.4706 MHz
Total Power
26.6 dBm
Transmit Freq Error
-2.577 kHz
OBW Power
99.00 %
x dB Bandwidth
4.803 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

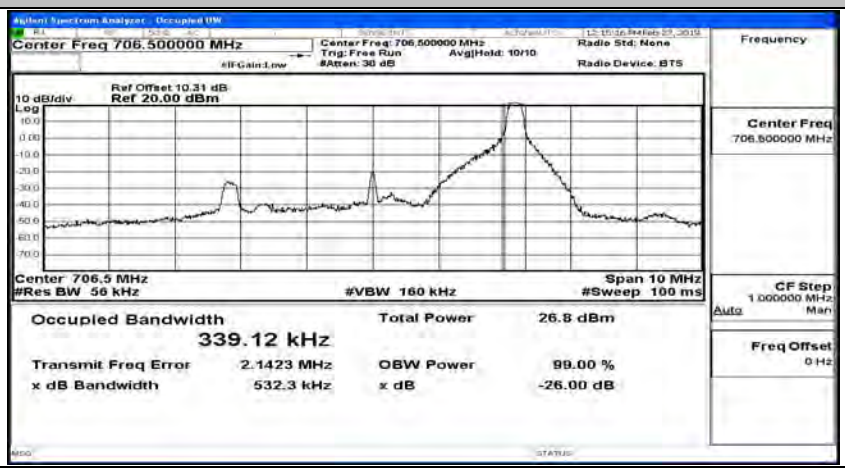
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



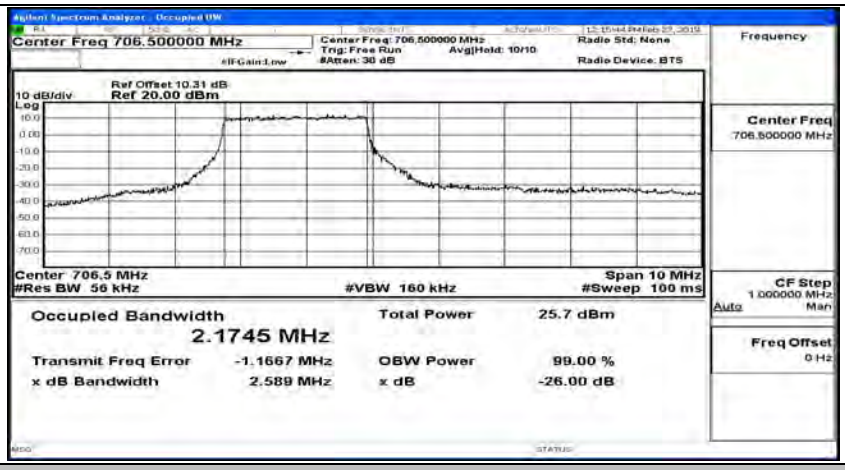
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



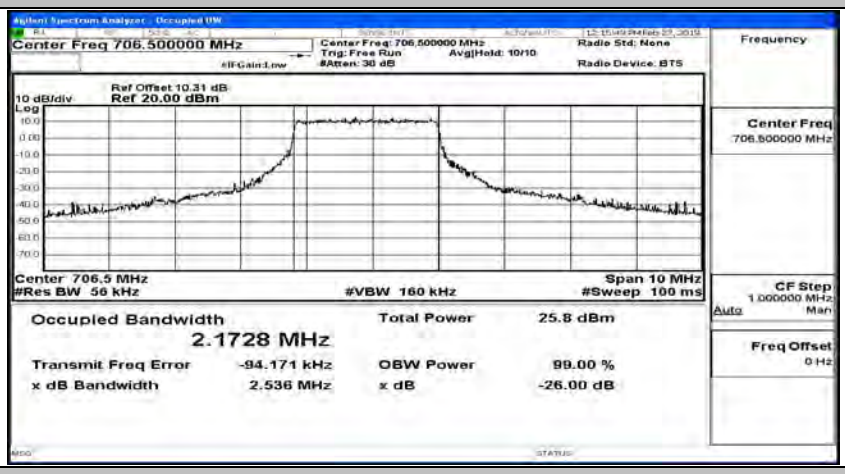
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



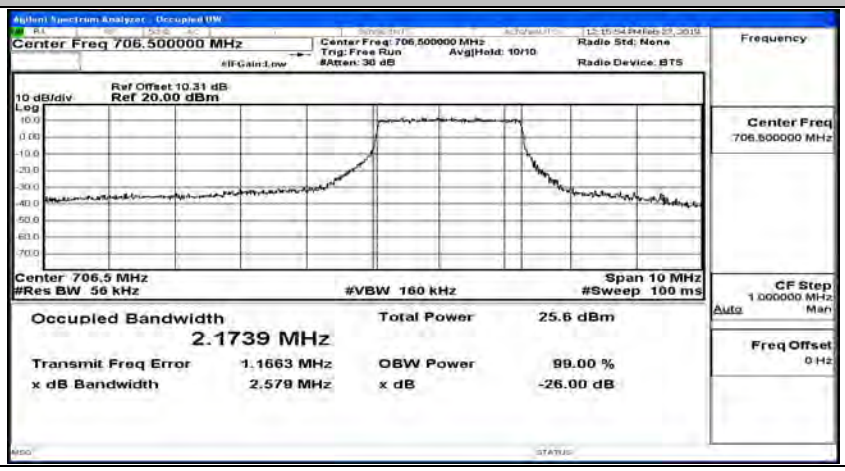
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



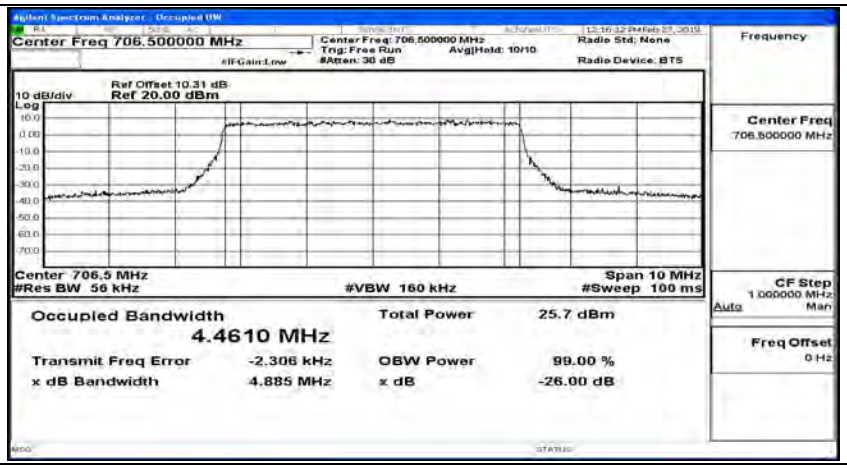
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



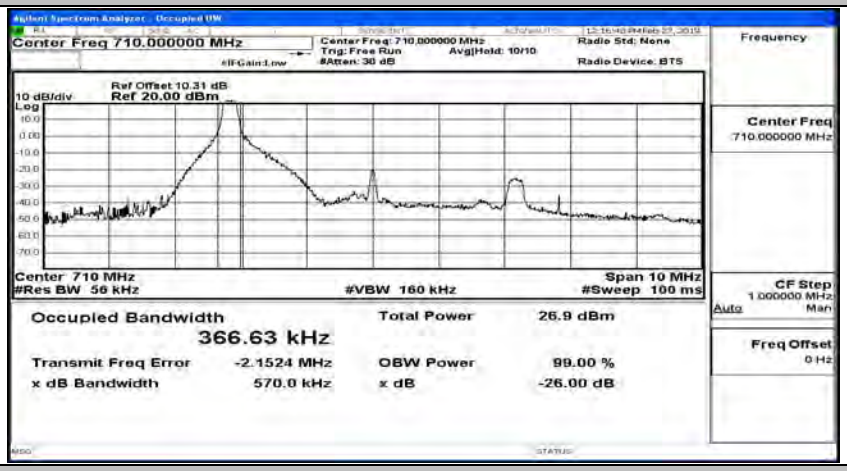
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



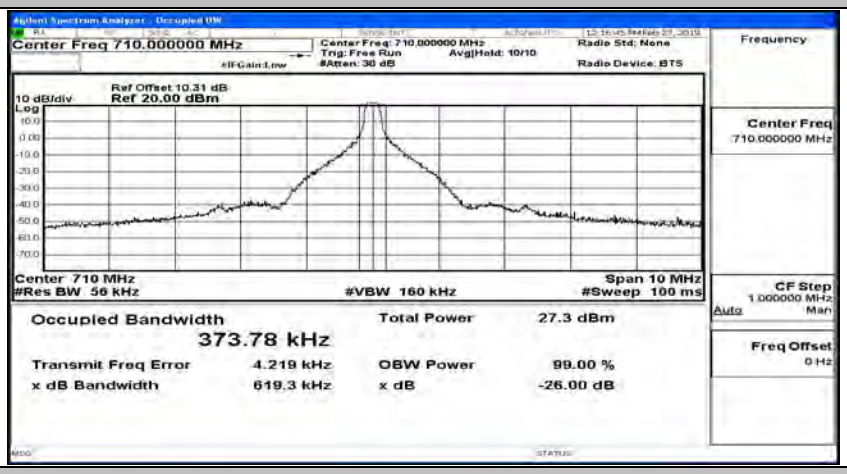
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



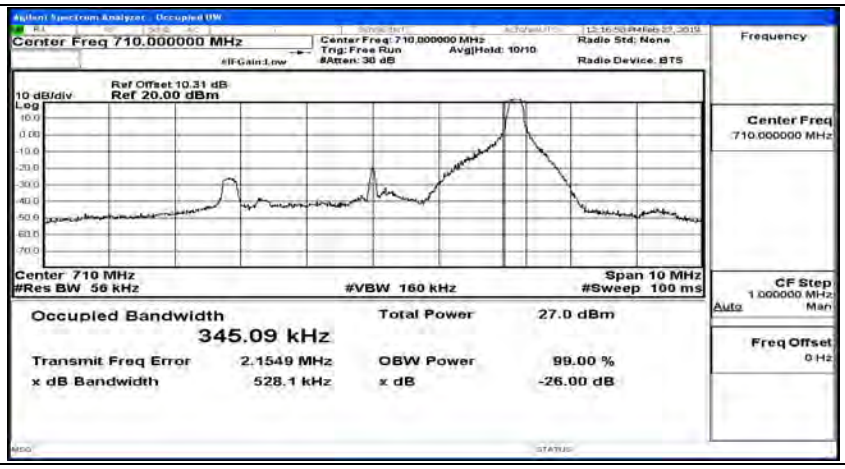
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



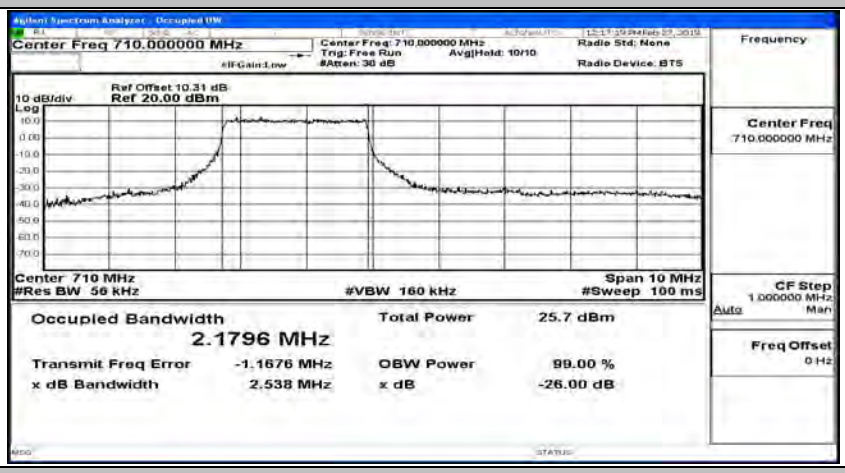
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



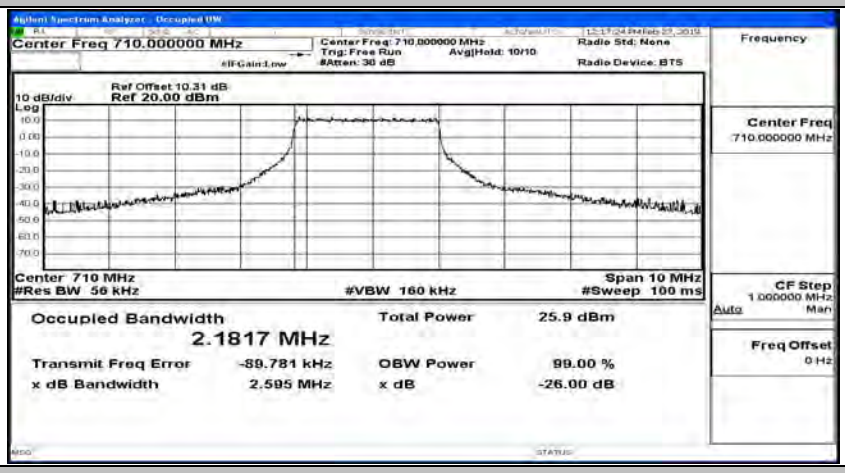
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



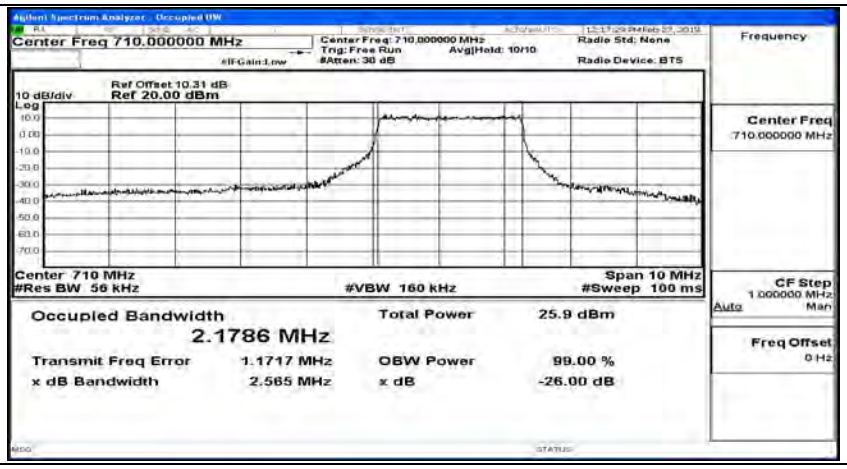
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



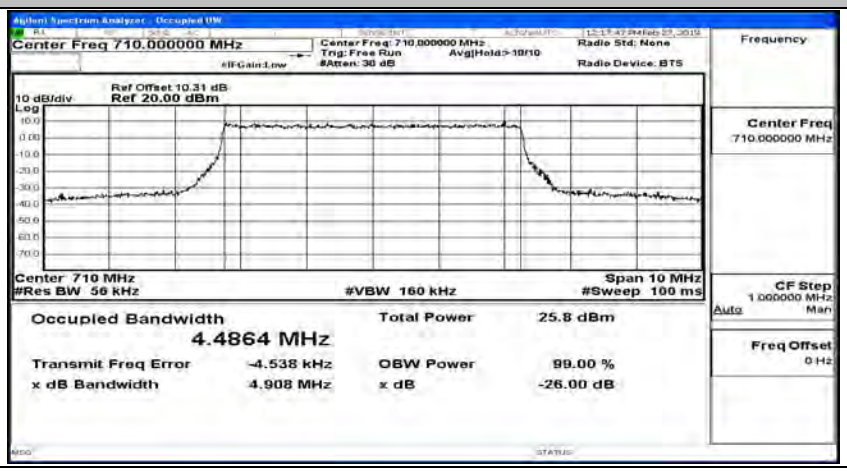
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



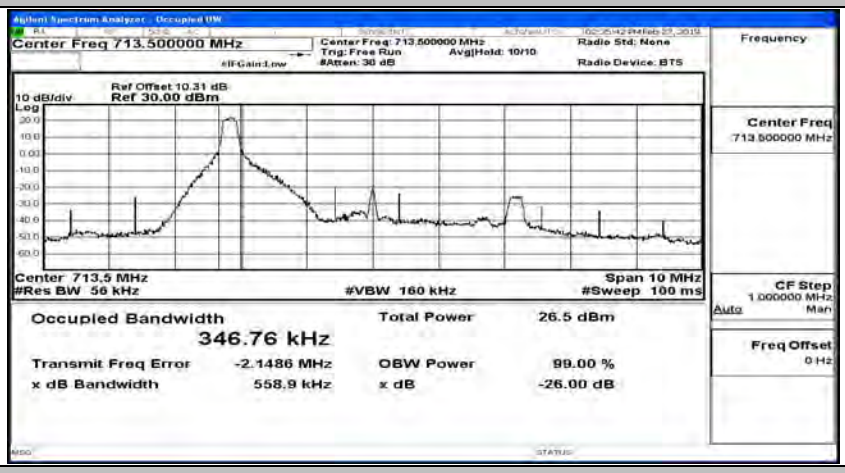
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



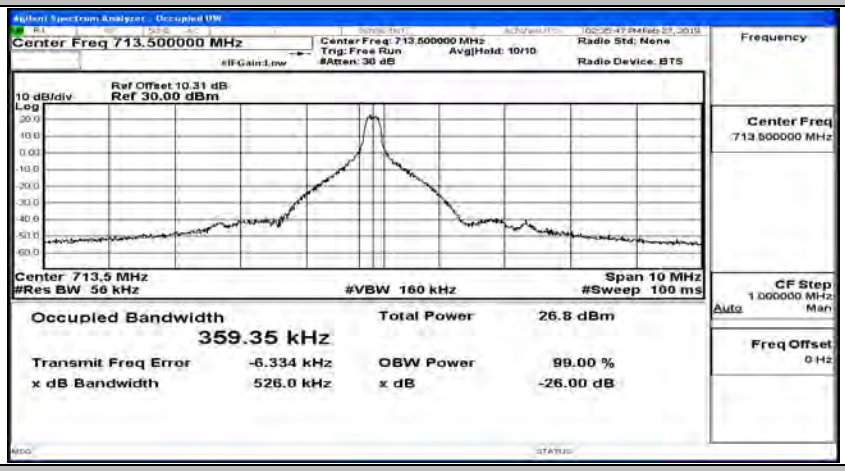
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



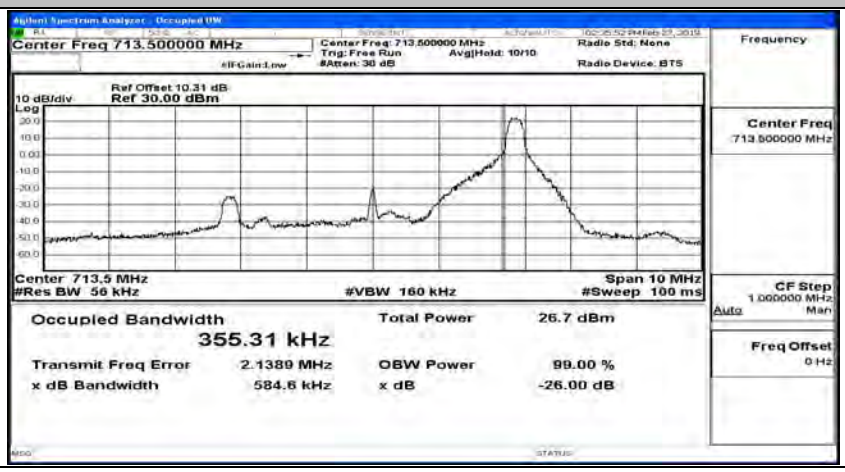
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



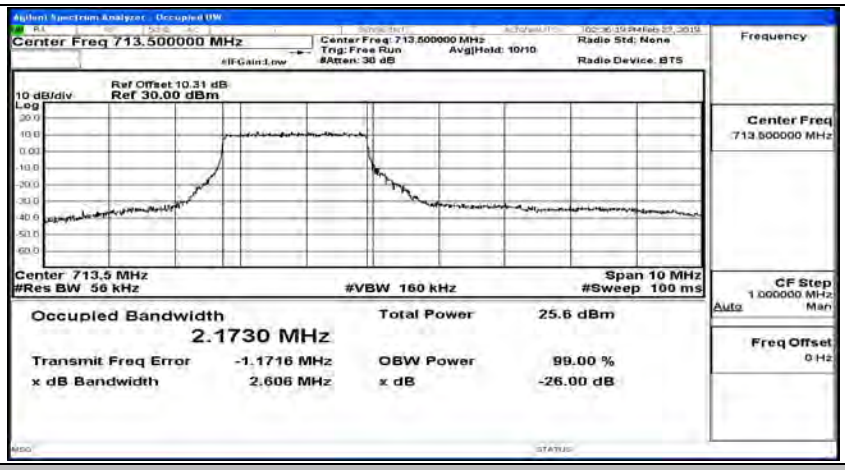
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



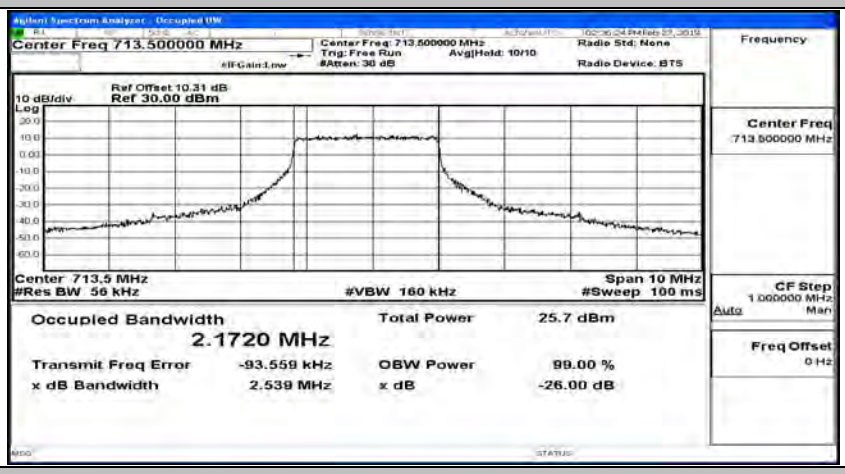
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



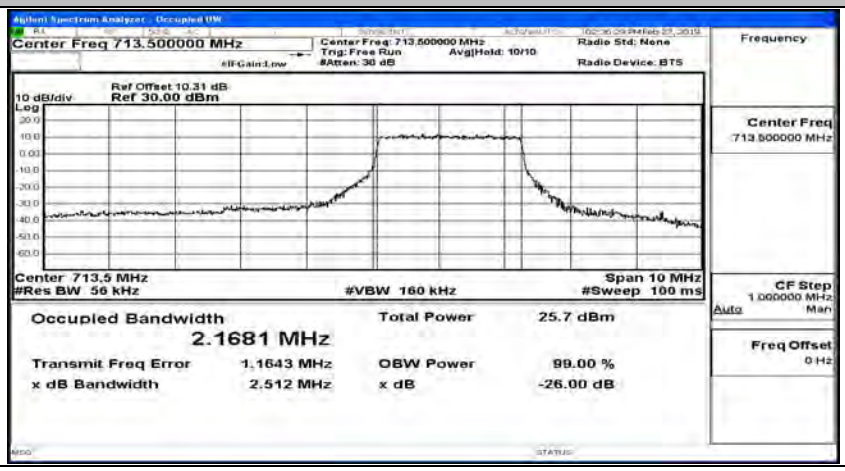
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



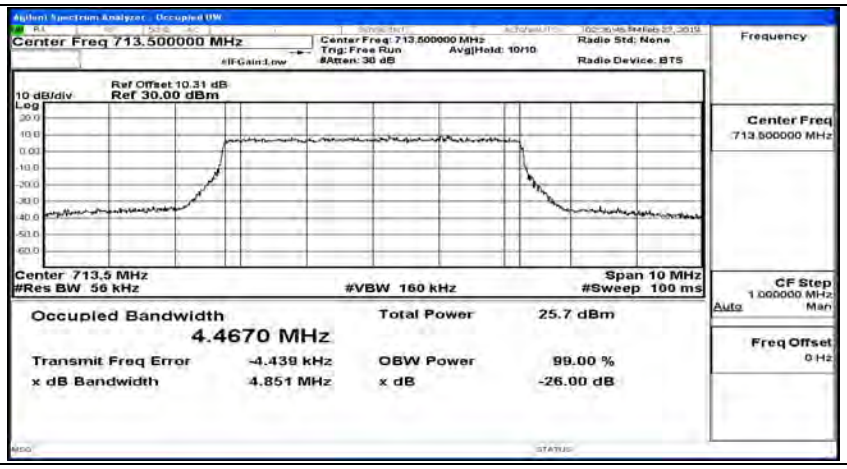
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

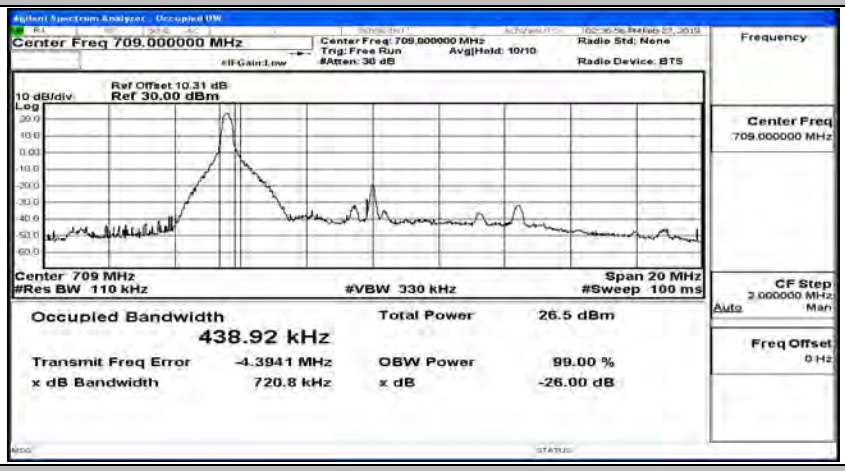


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

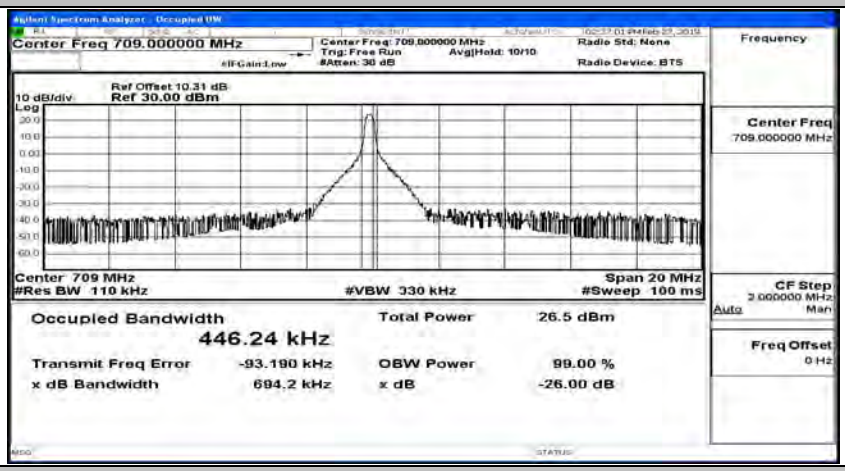

Agilent Spectrum Analyzer - Occupied BW
Center Freq 713.500000 MHz
Center Freq: 713.500000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 10.31 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
713.500000 MHz
Center 713.5 MHz
#Res BW 56 kHz
#VBW 160 kHz
Span 10 MHz
#Sweep 100 ms
CF Step
1.000000 MHz
Auto
Man
Occupied Bandwidth
4.4670 MHz
Total Power
25.7 dBm
Freq Offset
0 Hz
Transmit Freq Error
-4.439 kHz
OBW Power
99.00 %
x dB Bandwidth
4.851 MHz
x dB
-26.00 dB

Channel Bandwidth: 10 MHz

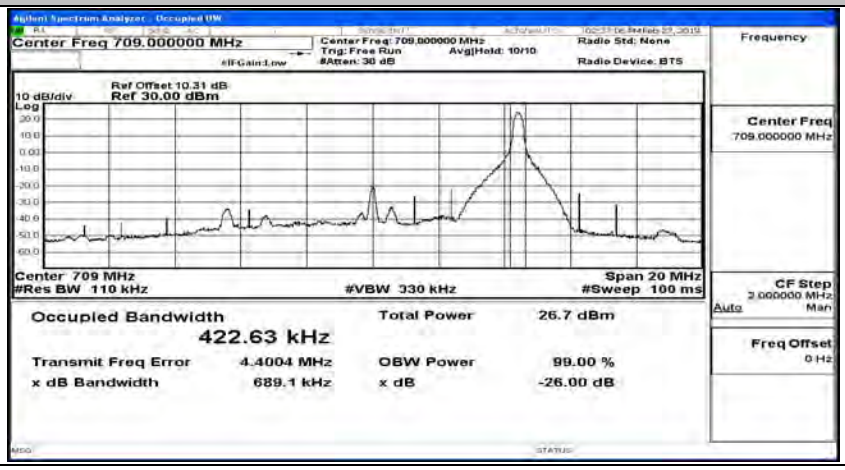
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



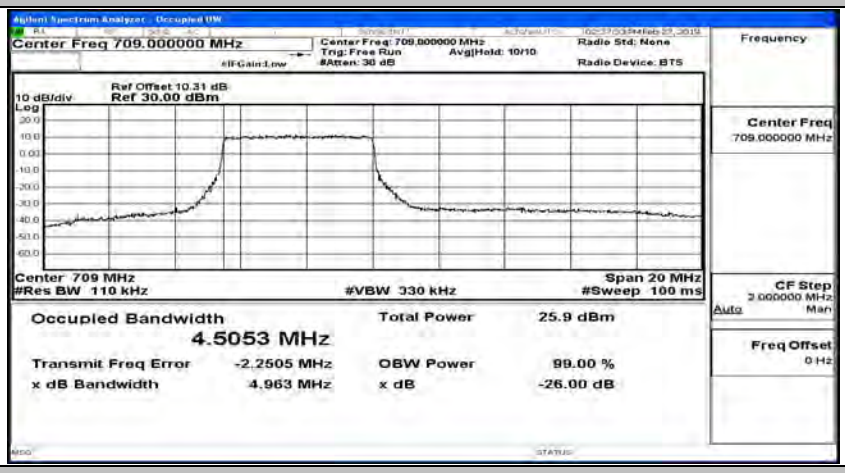
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#25



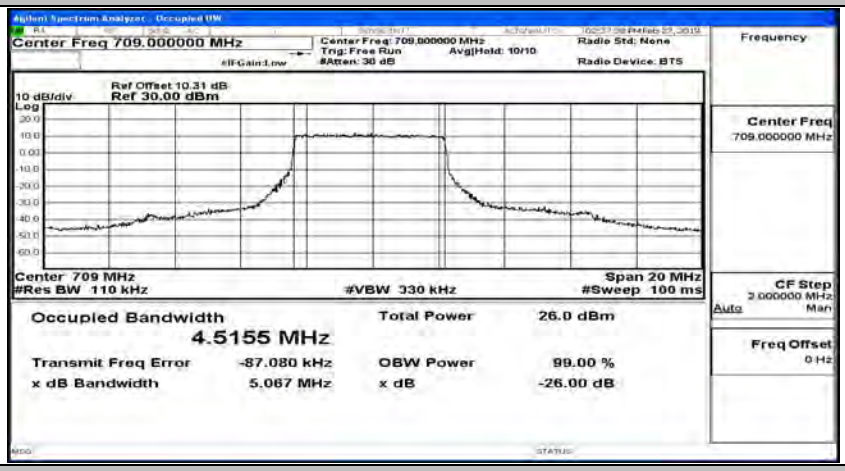
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



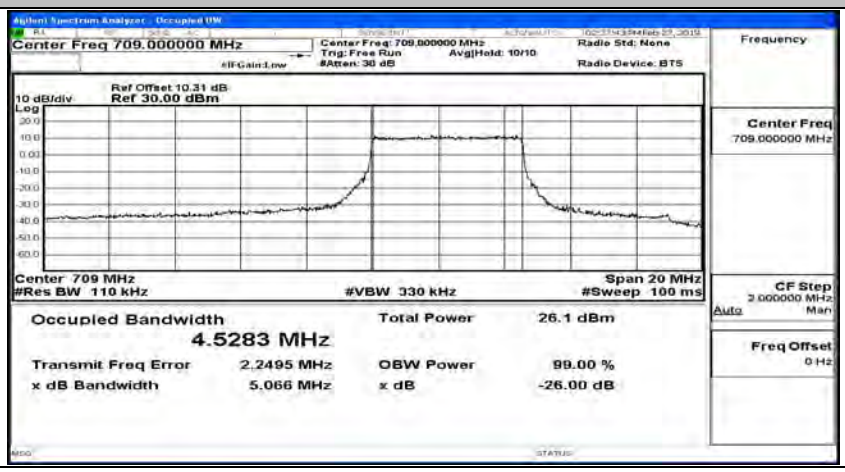
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



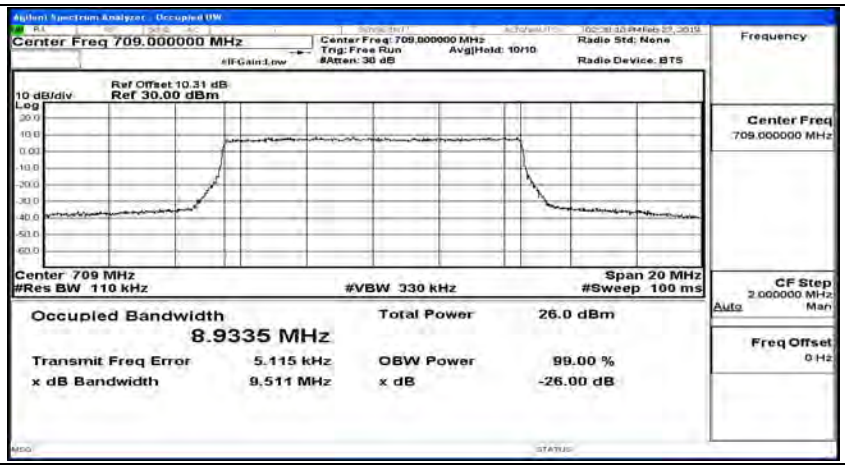
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



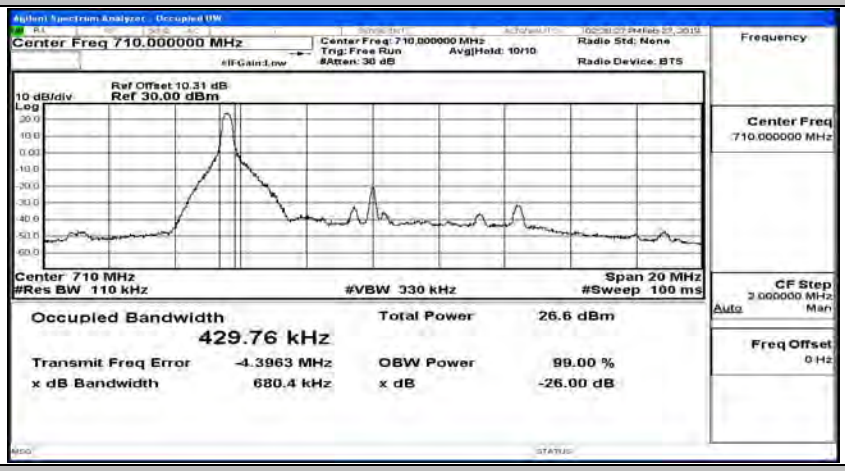
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



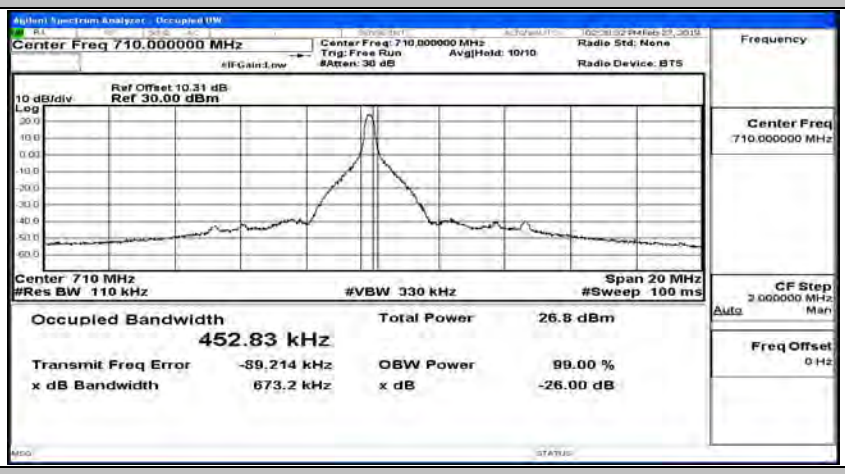
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



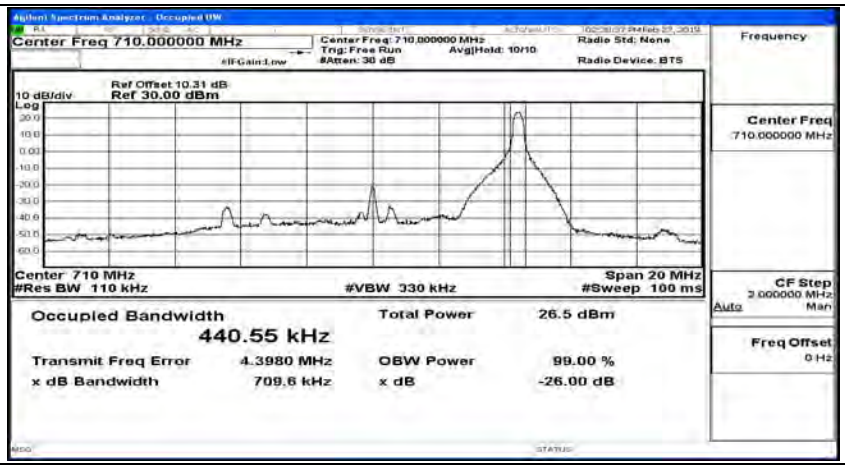
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



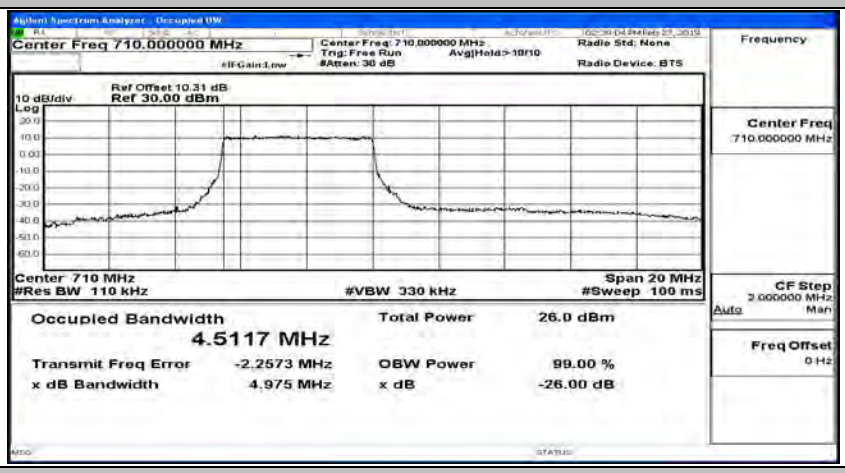
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#25



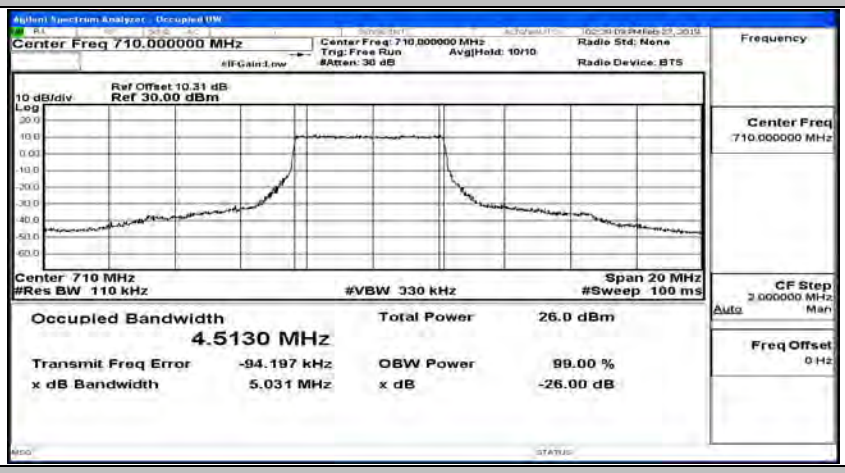
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



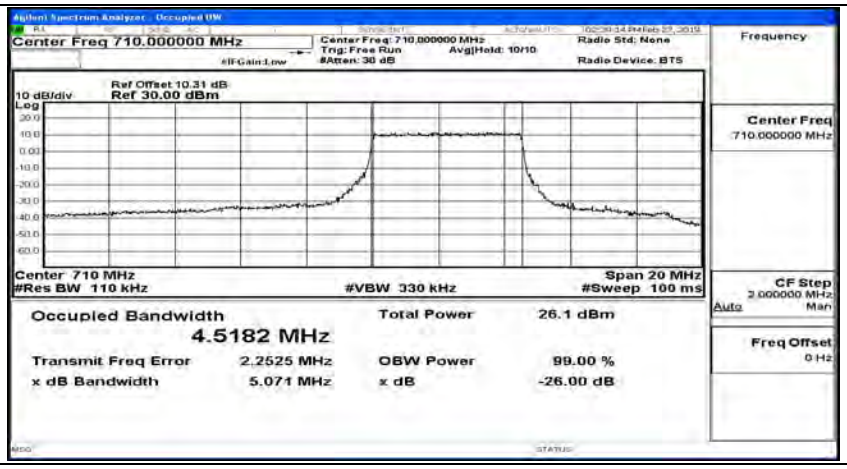
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



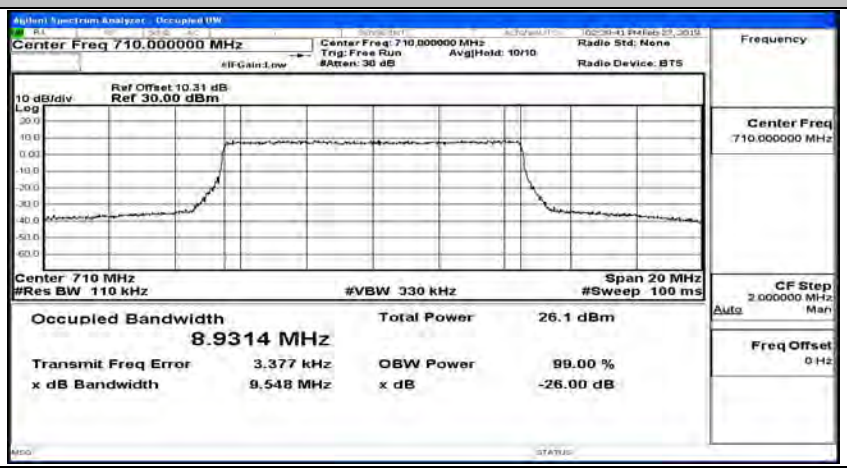
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



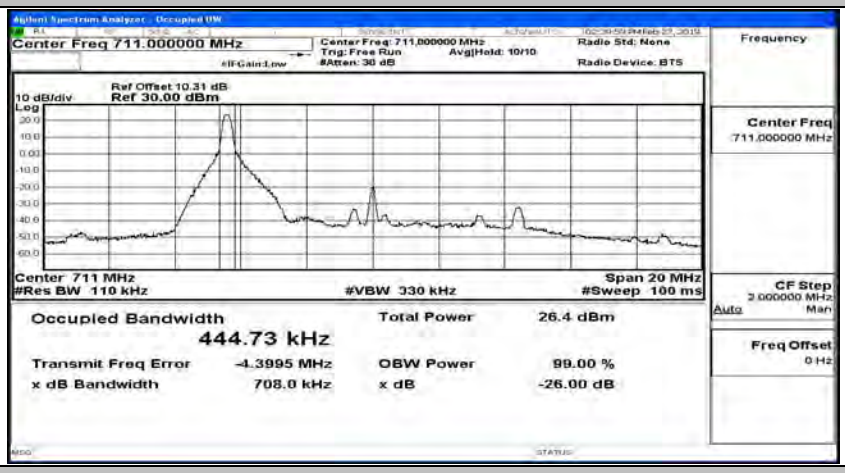
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



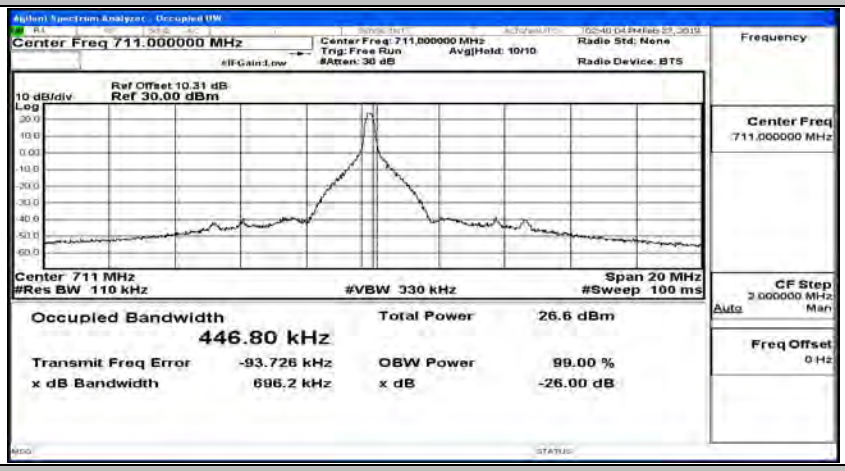
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



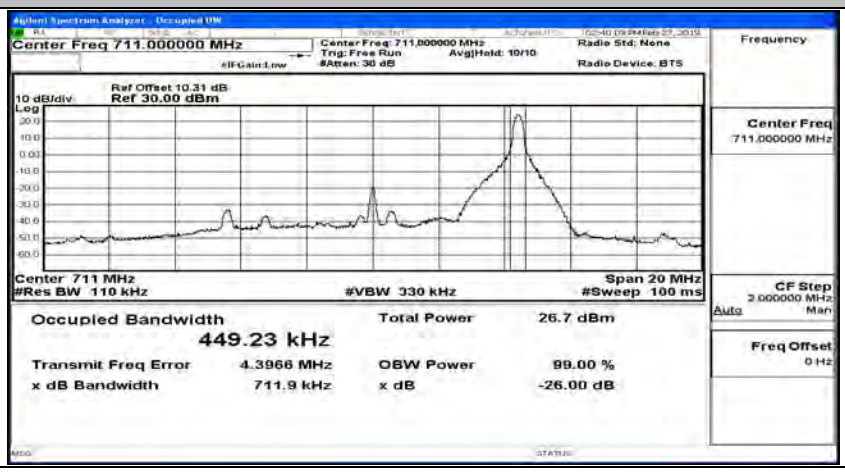
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



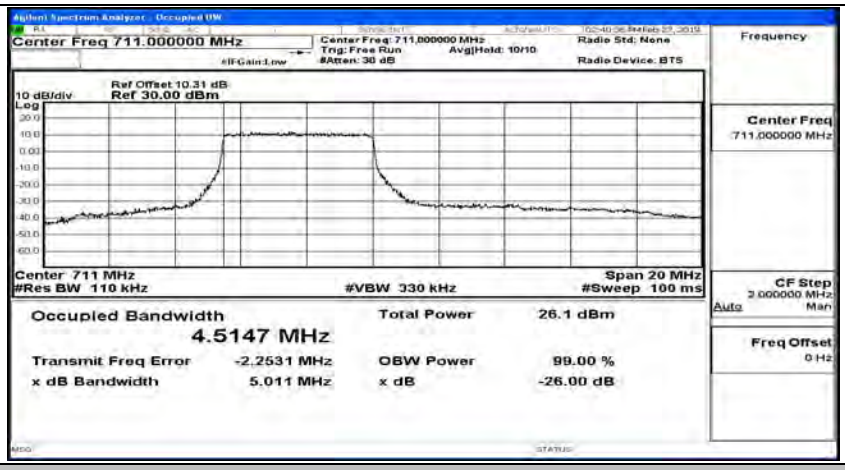
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#25



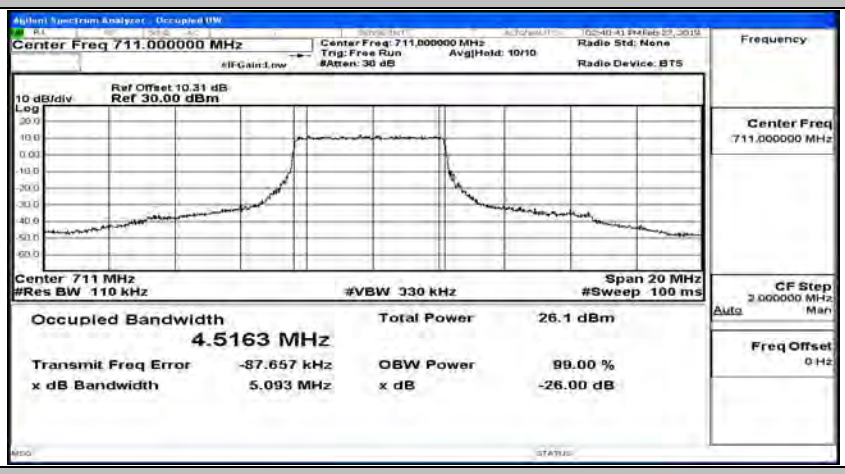
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



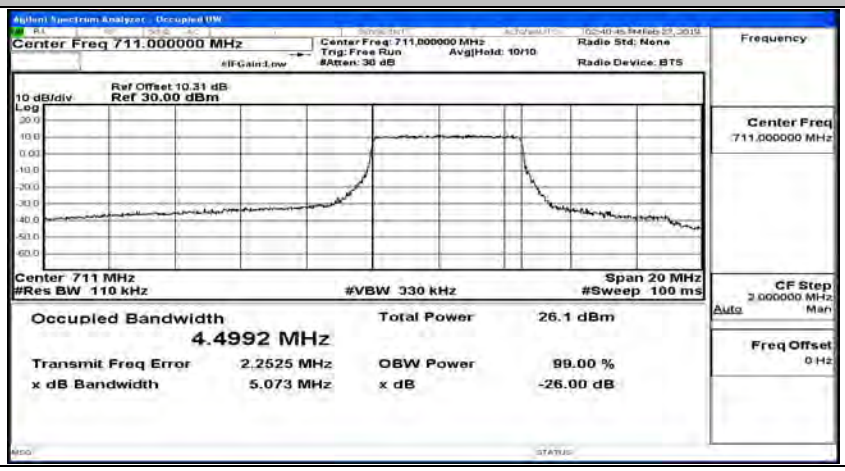
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



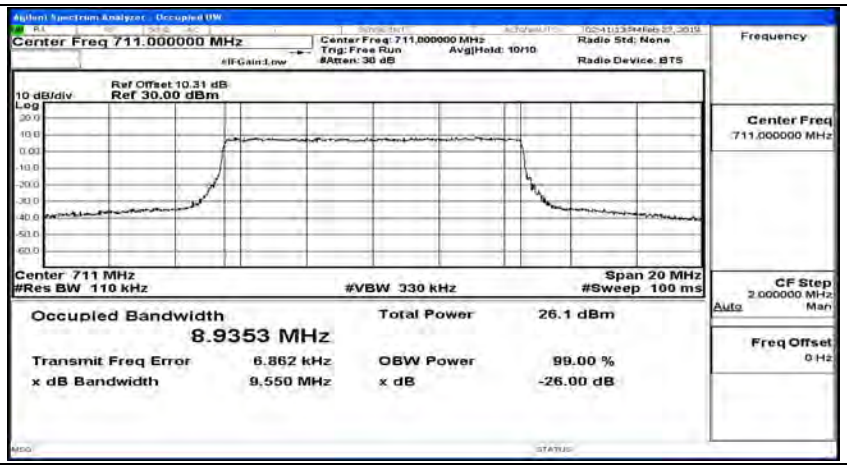
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



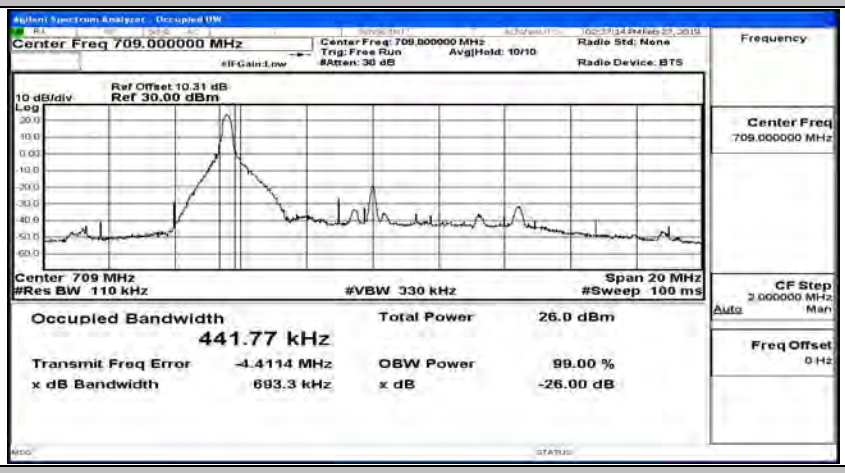
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



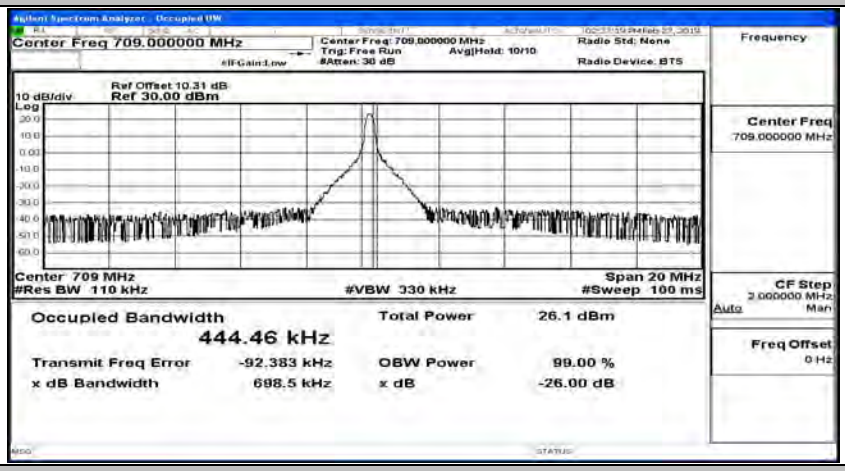
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 711.000000 MHz
Center Freq: 711.000000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 10.31 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
711.000000 MHz
Center 711 MHz
#Res BW 110 kHz
#VBW 330 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
8.9353 MHz
Total Power
26.1 dBm
Freq Offset
0 Hz
Transmit Freq Error
6.862 kHz
OBW Power
99.00 %
x dB Bandwidth
9.550 MHz
x dB
-26.00 dB

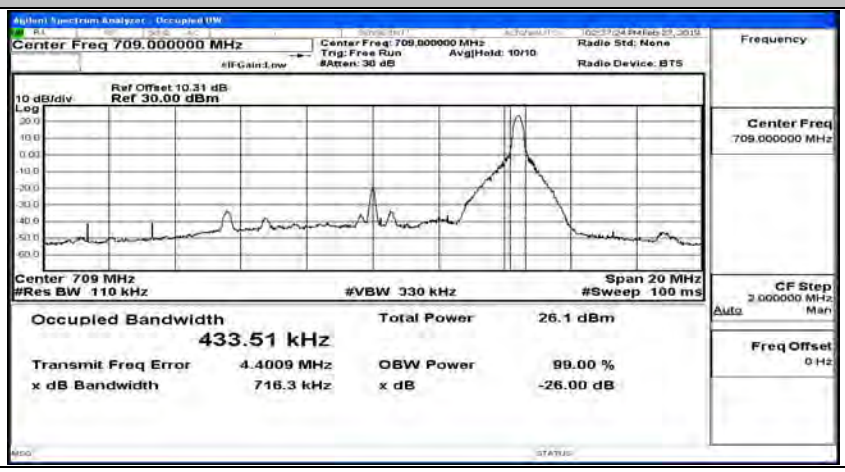
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



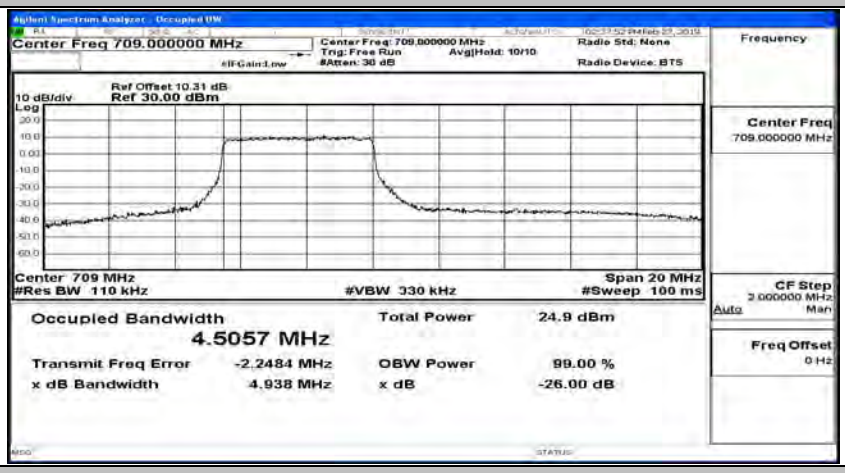
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#25



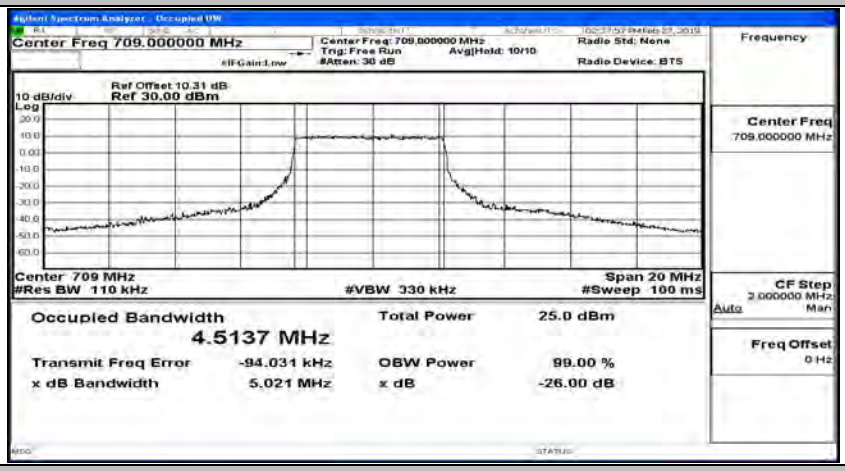
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



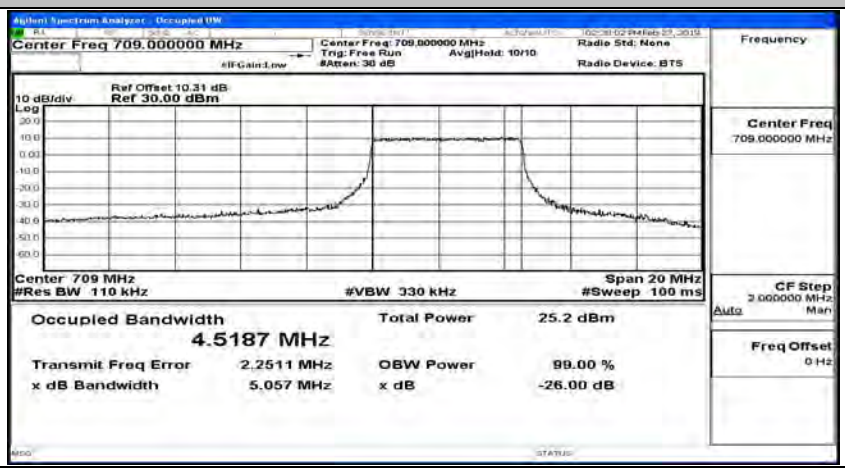
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



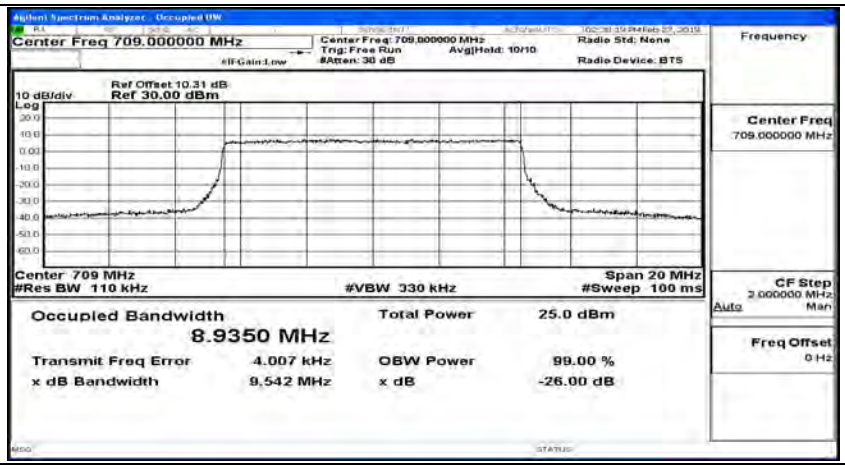
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



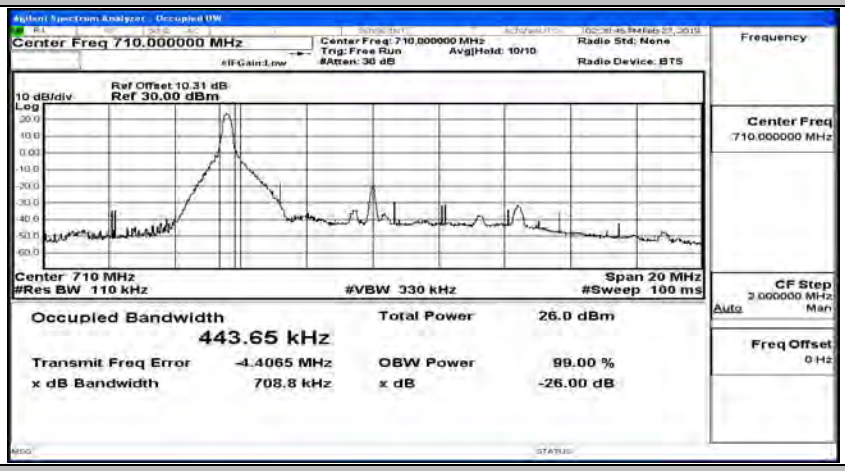
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



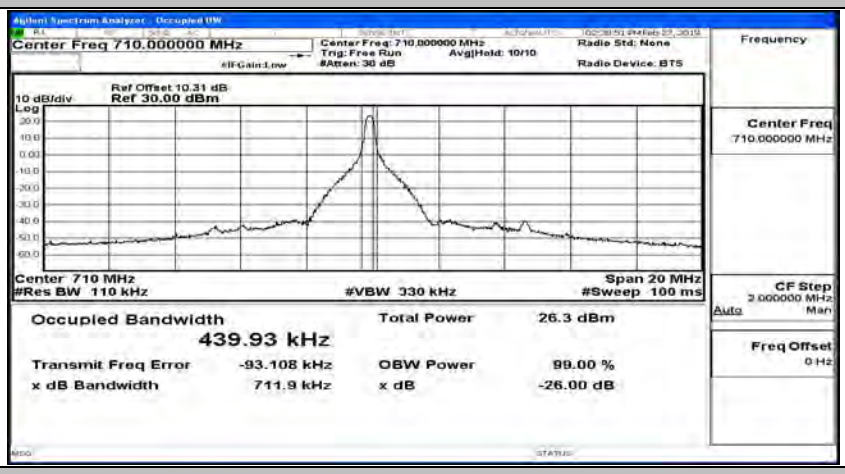
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



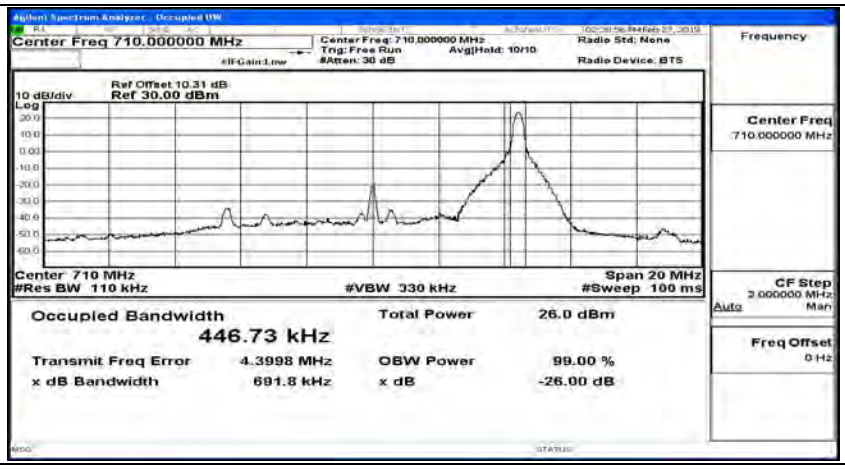
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



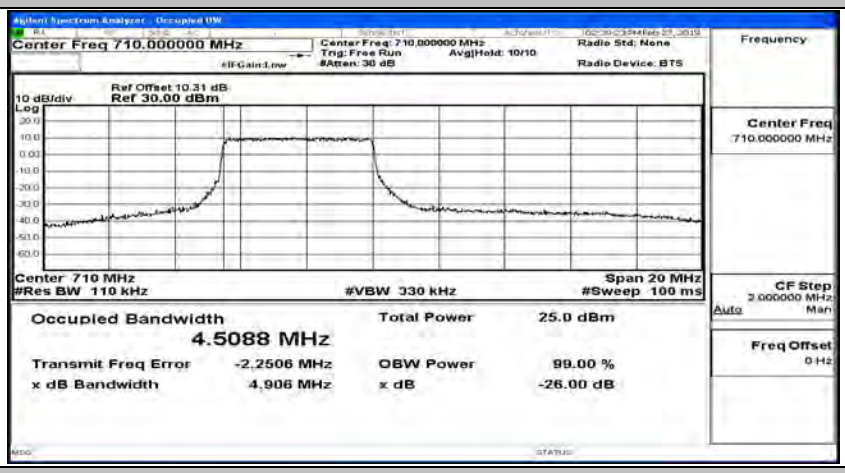
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#25



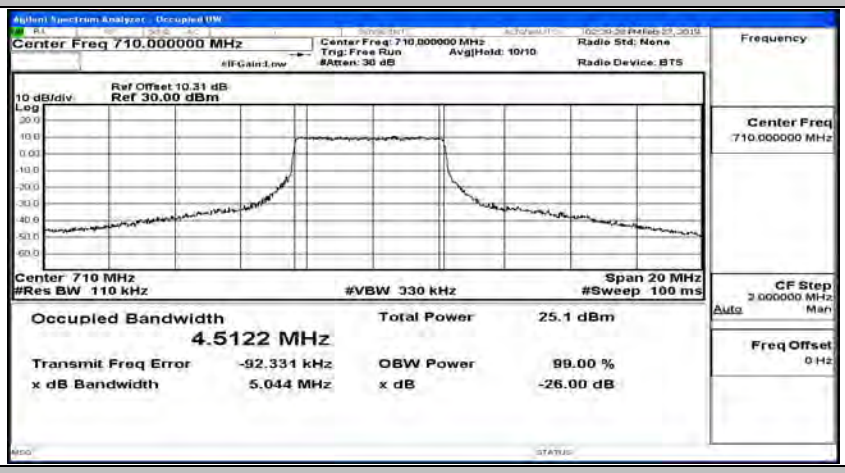
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



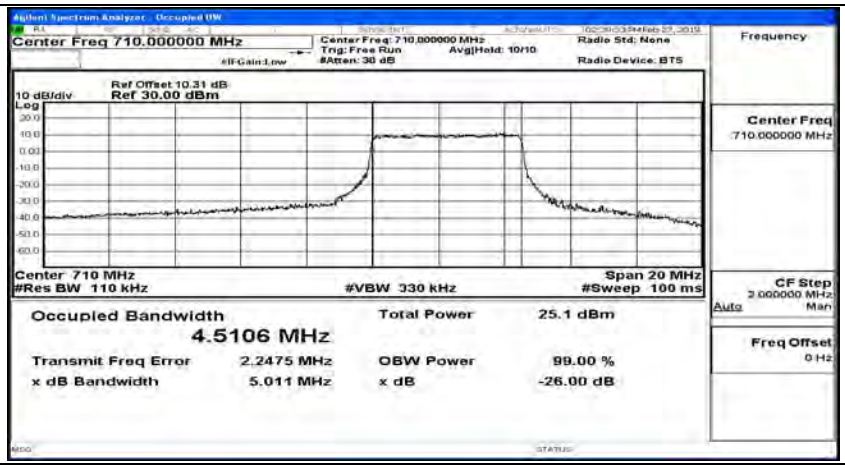
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#



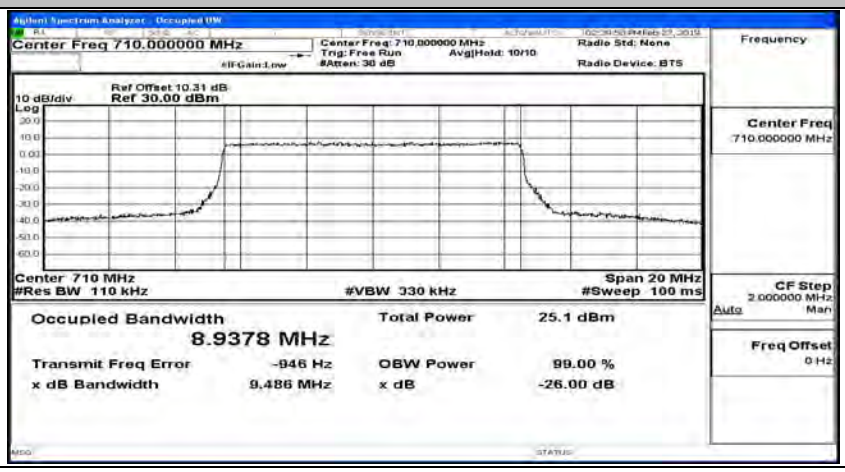
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



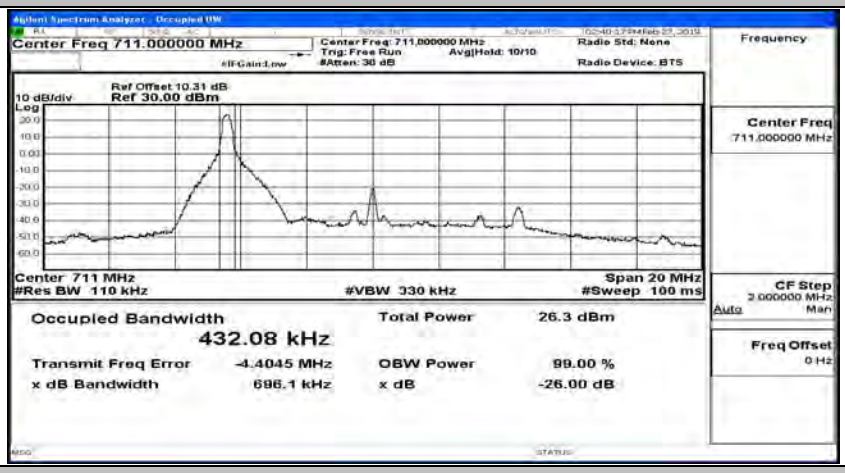
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



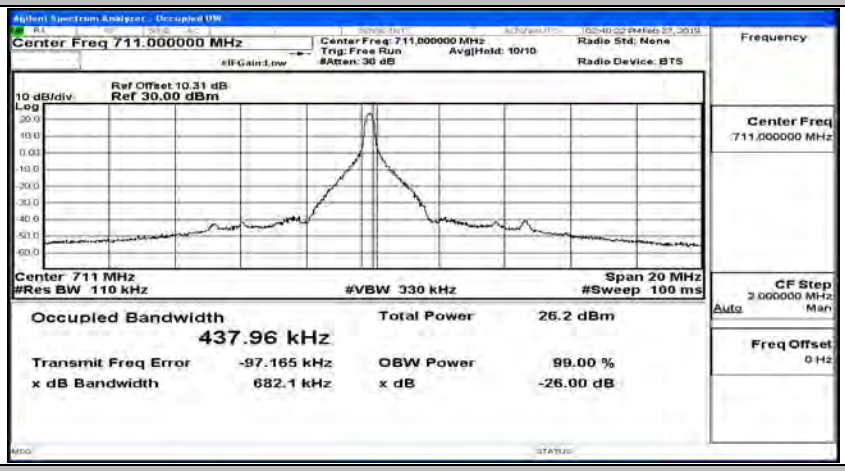
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



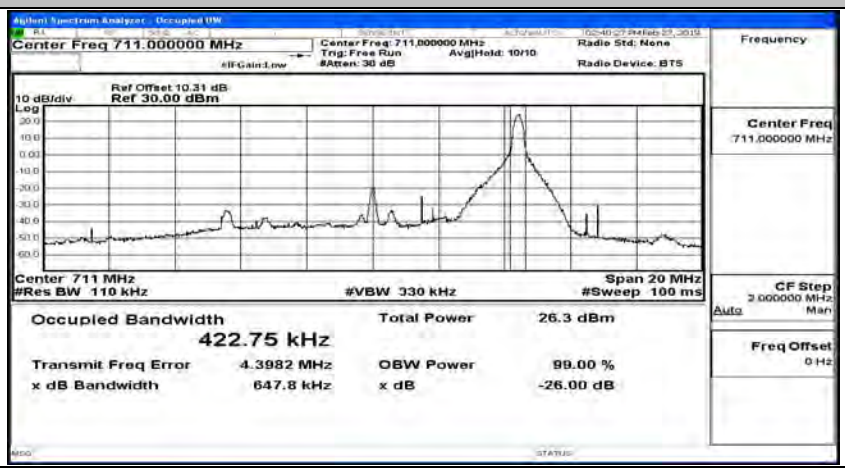
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



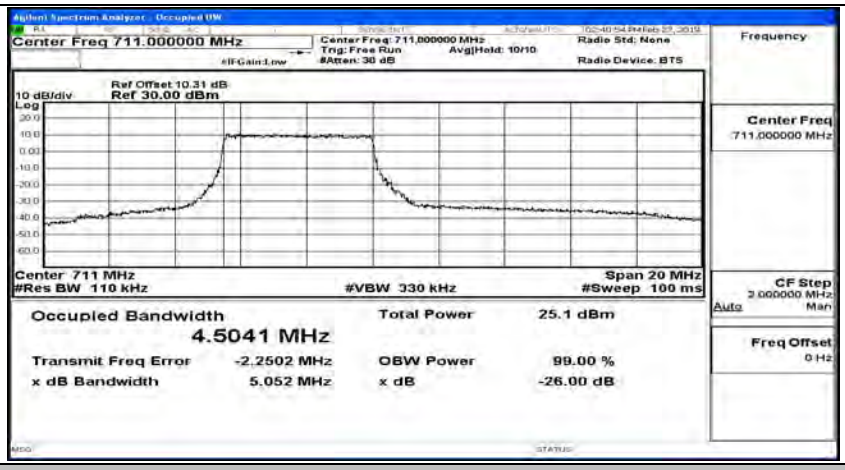
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#25



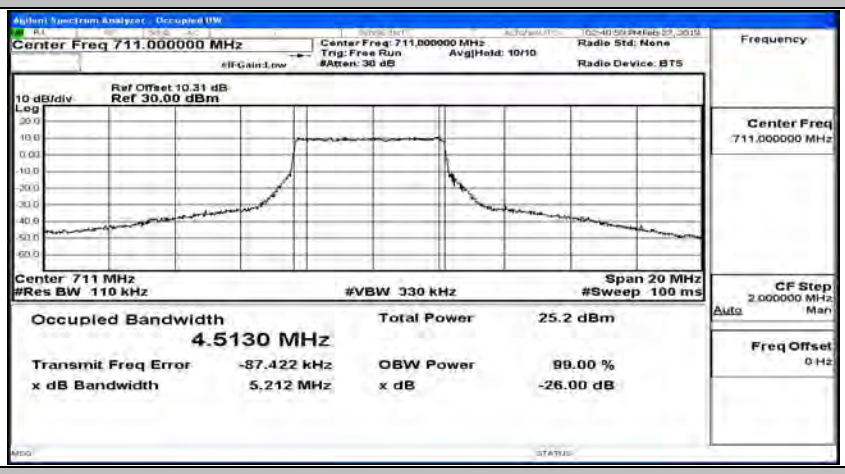
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



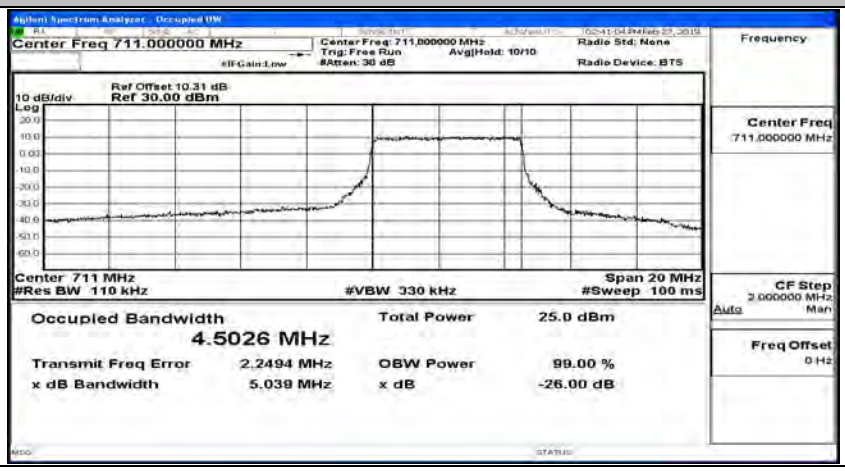
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



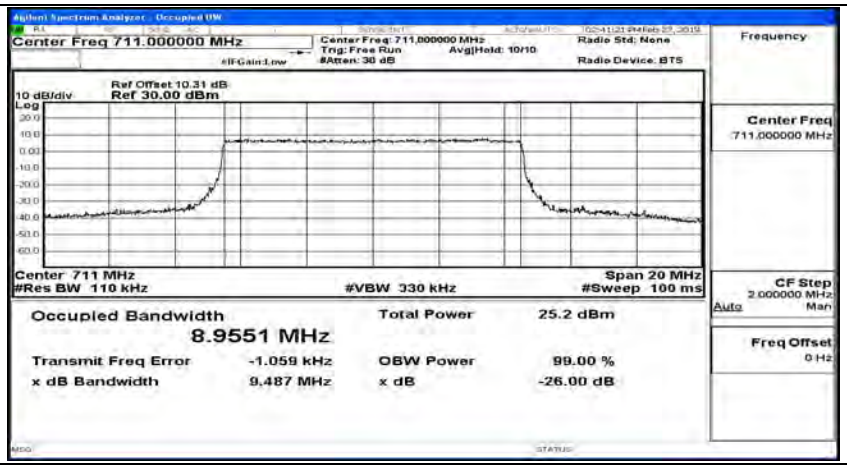
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 711.000000 MHz
Center Freq: 711.000000 MHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 10.31 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
711.000000 MHz
Center 711 MHz
#Res BW 110 kHz
#VBW 330 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
8.9551 MHz
Total Power
25.2 dBm
Transmit Freq Error
-1.059 kHz
OBW Power
99.00 %
x dB Bandwidth
9.487 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

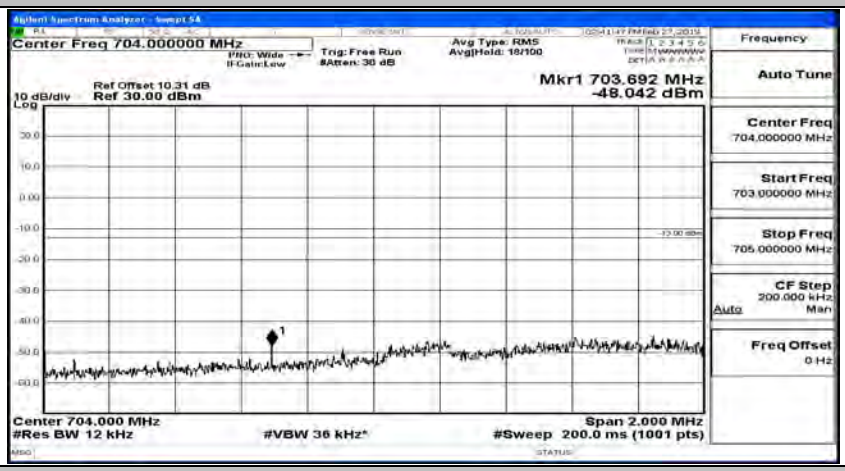
K.4 Band Edge

Test Graphs

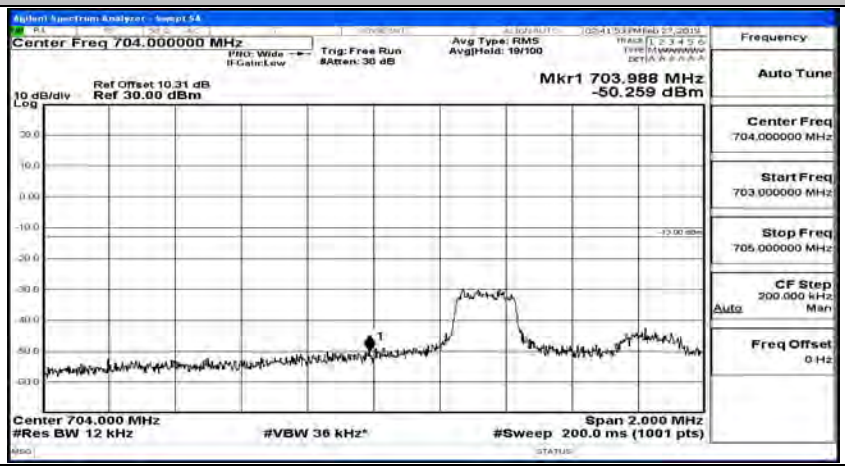
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

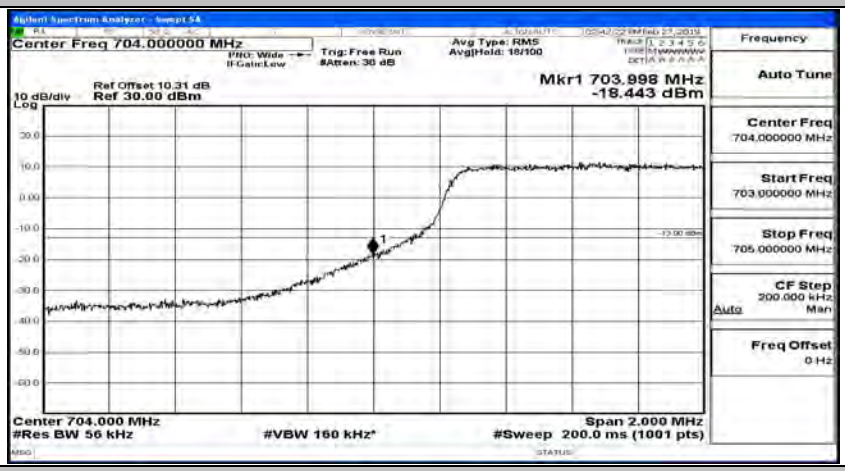
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



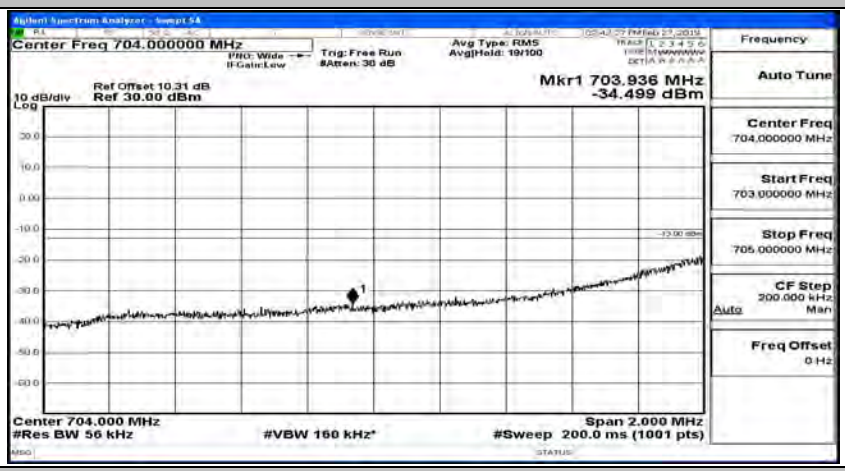
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



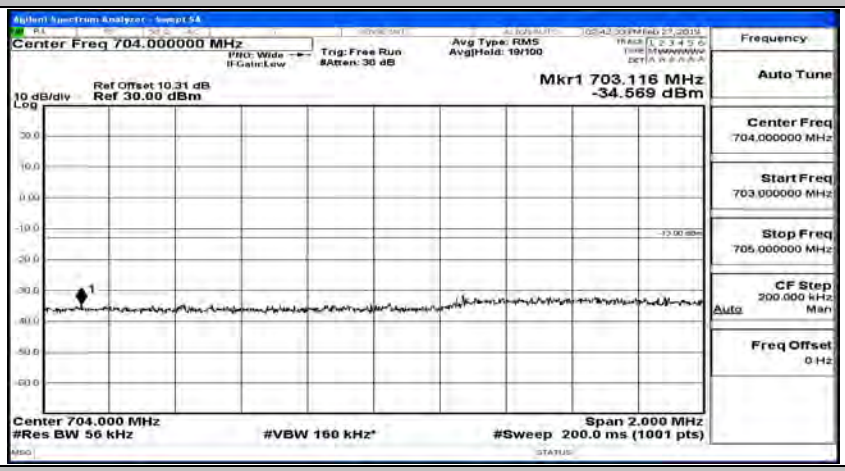
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



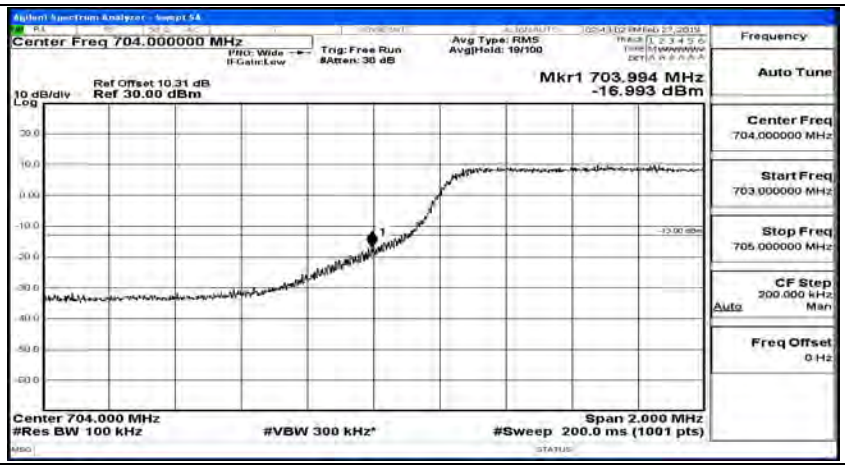
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



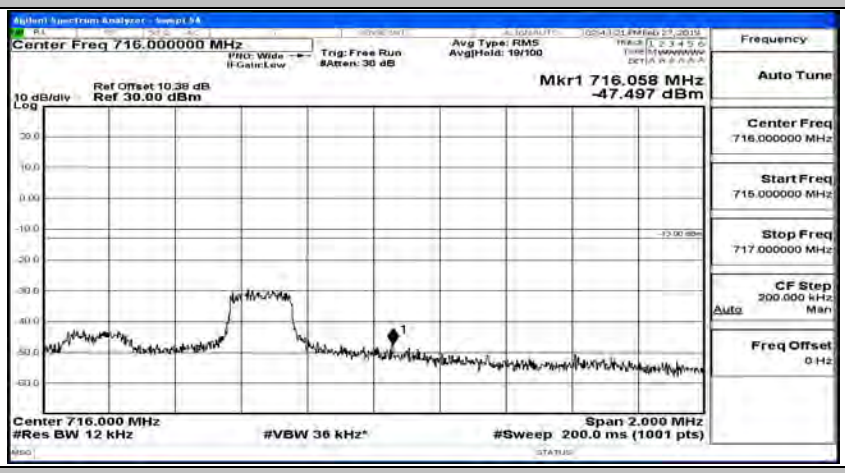
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



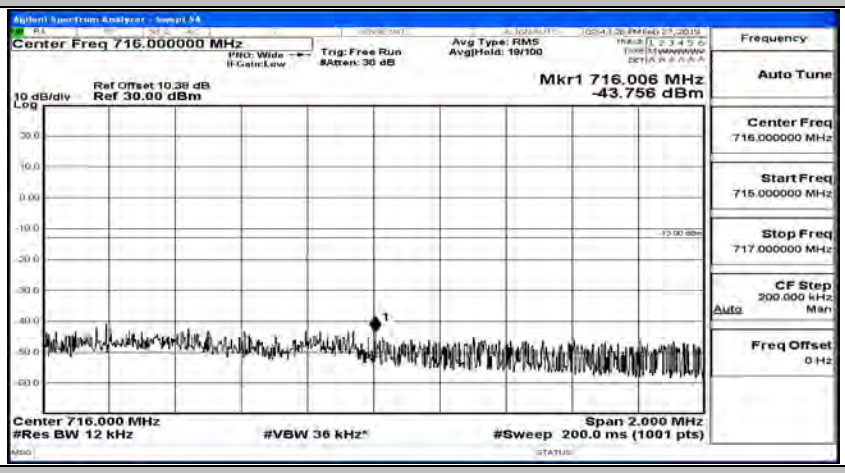
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



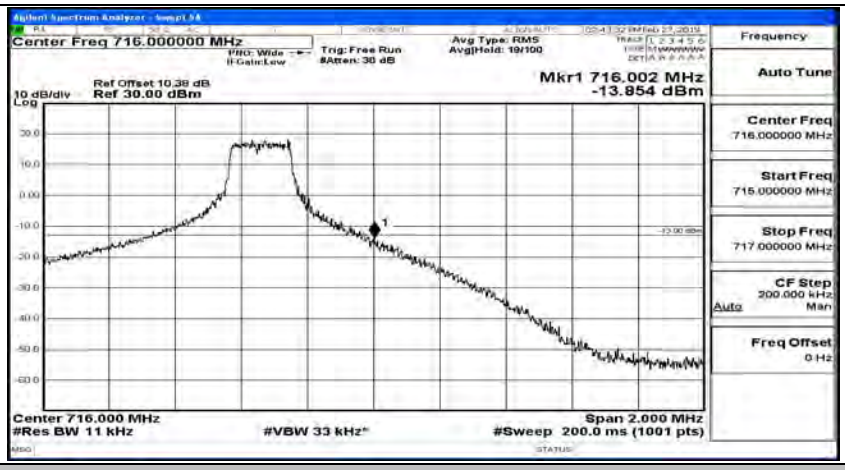
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



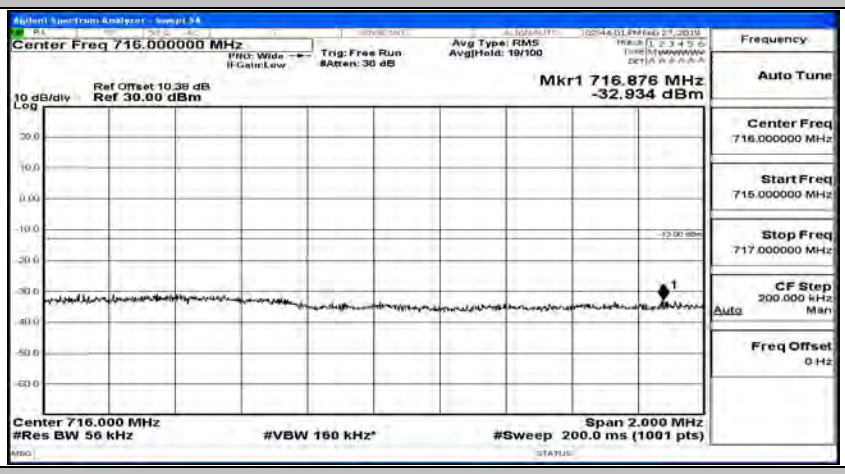
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



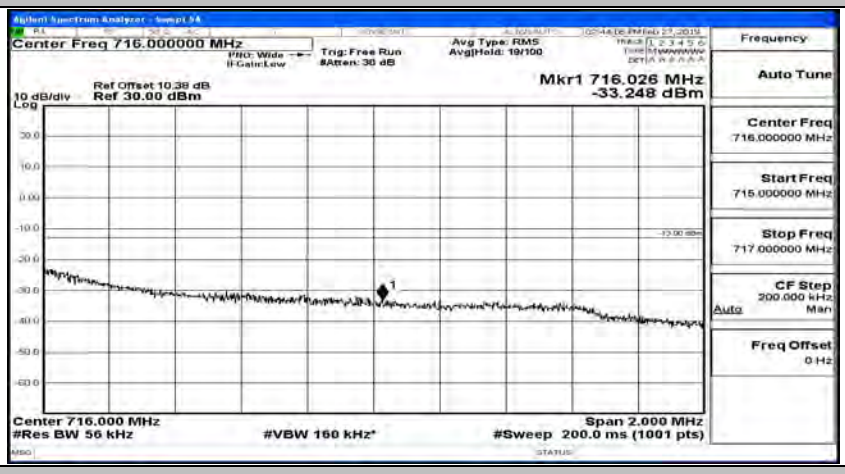
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



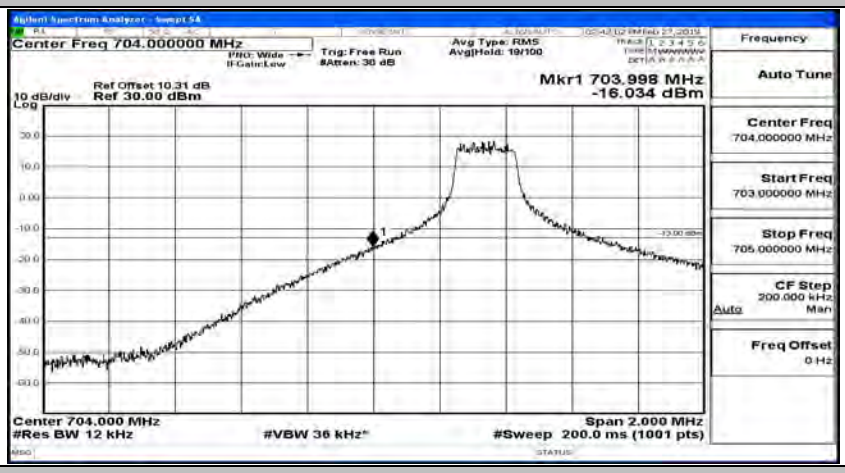
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



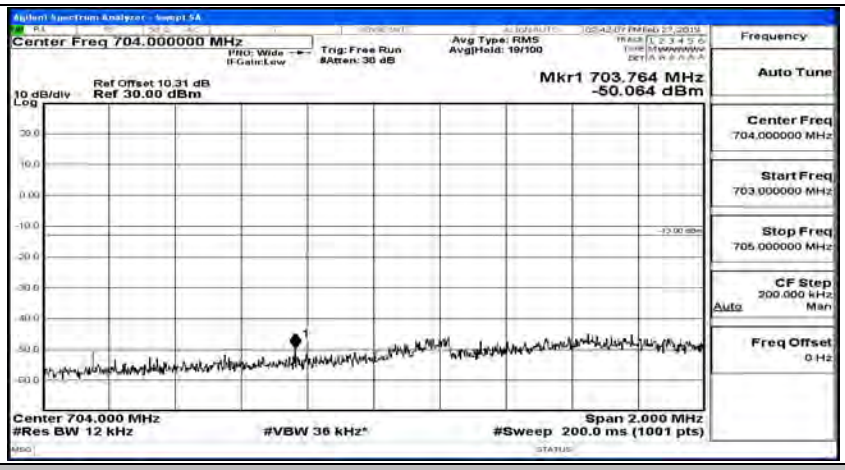
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

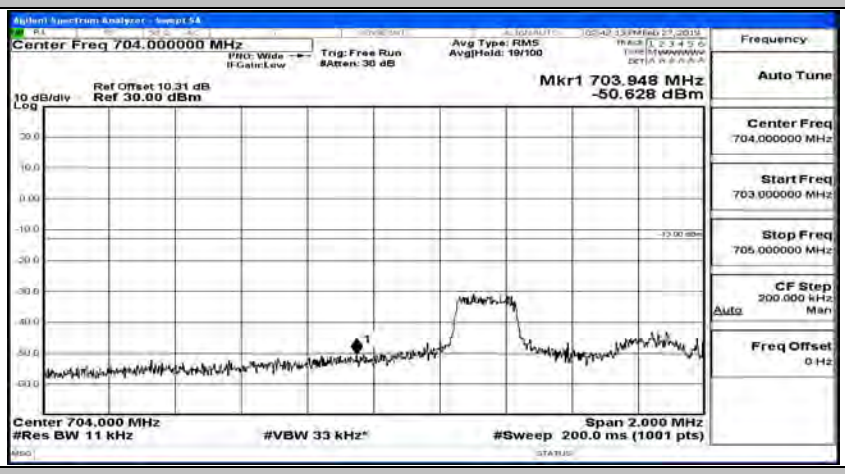
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



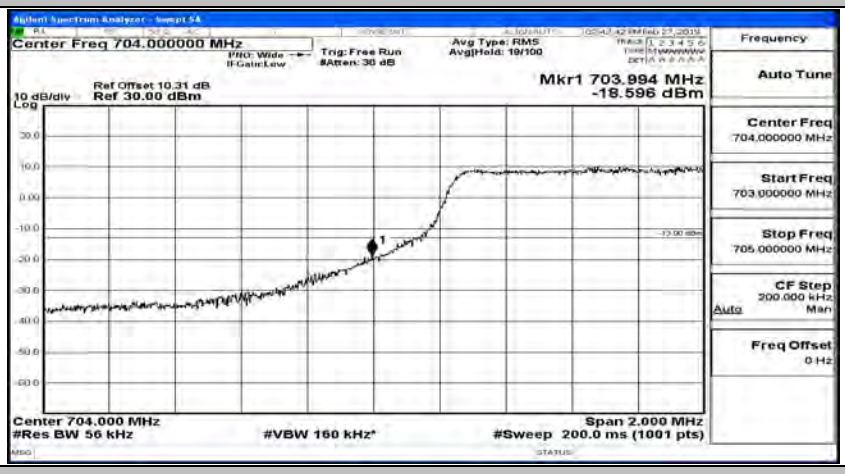
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

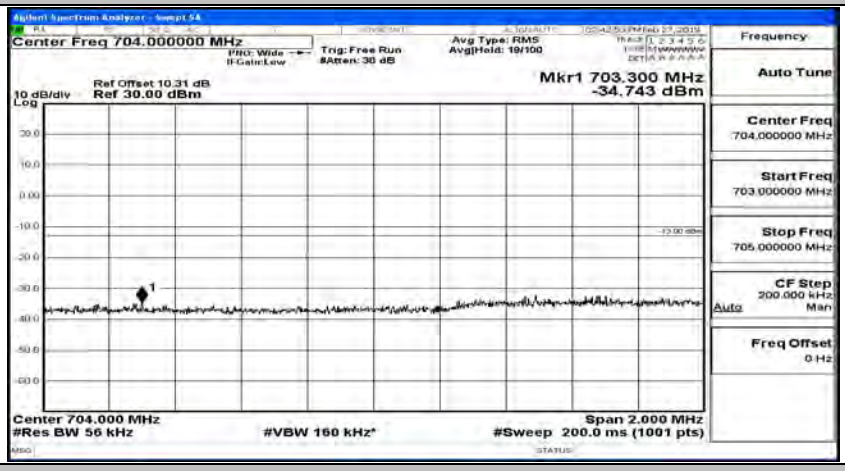


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

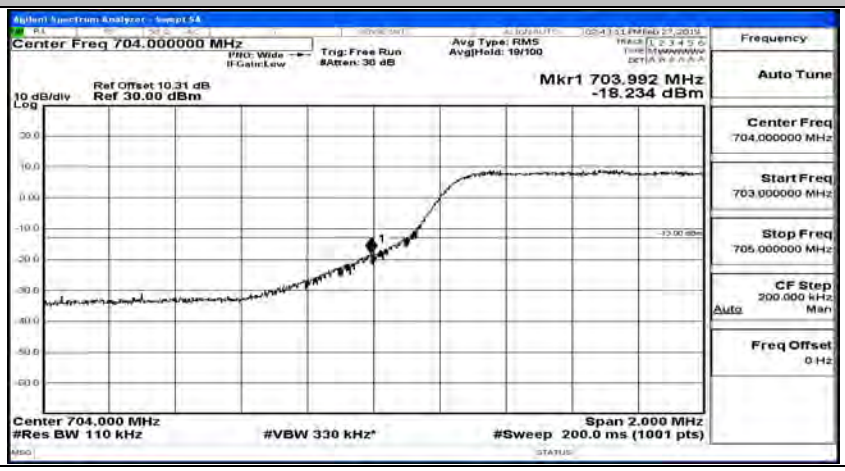


(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

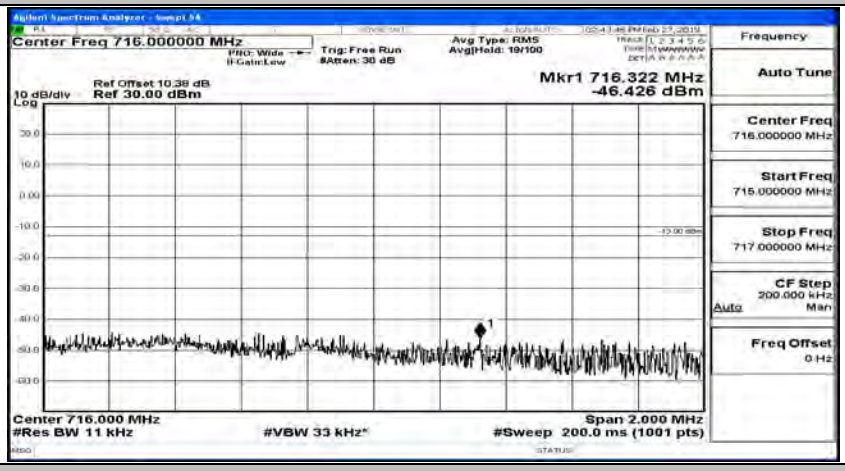


(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



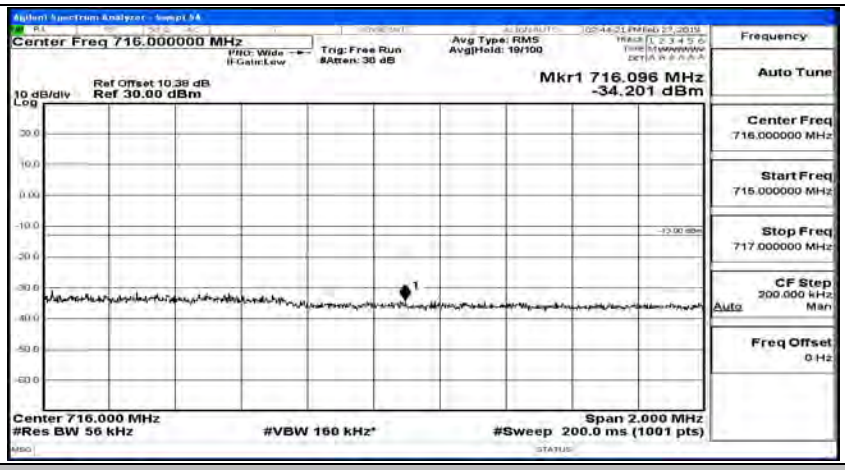
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

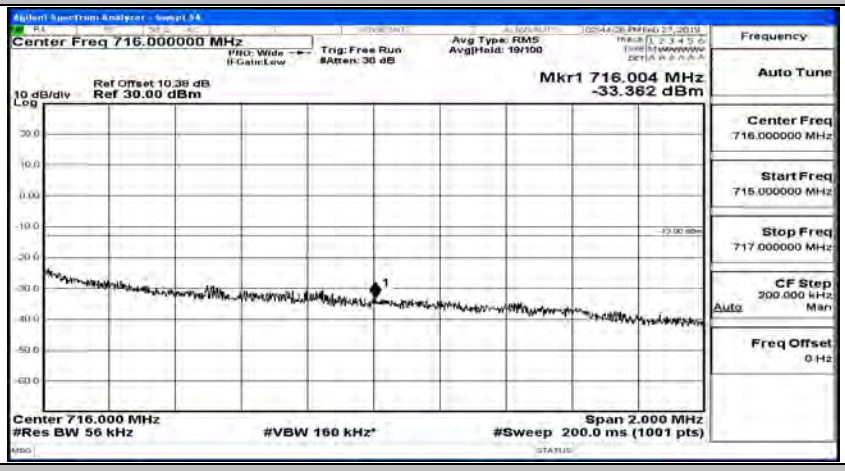


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

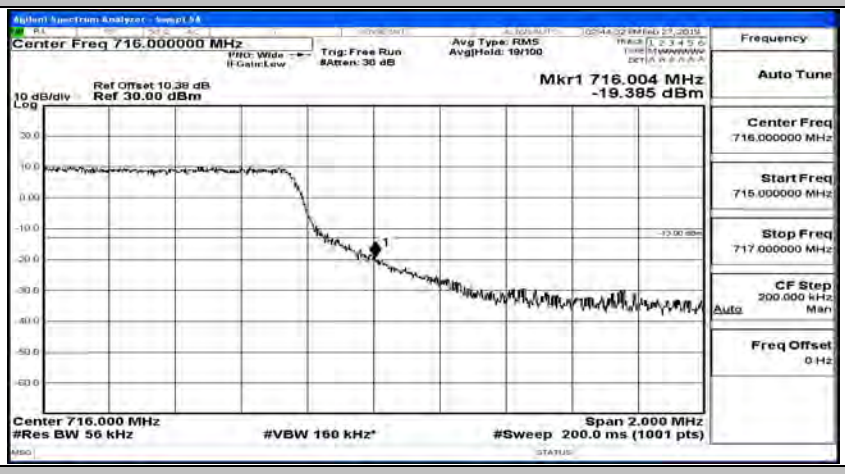
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



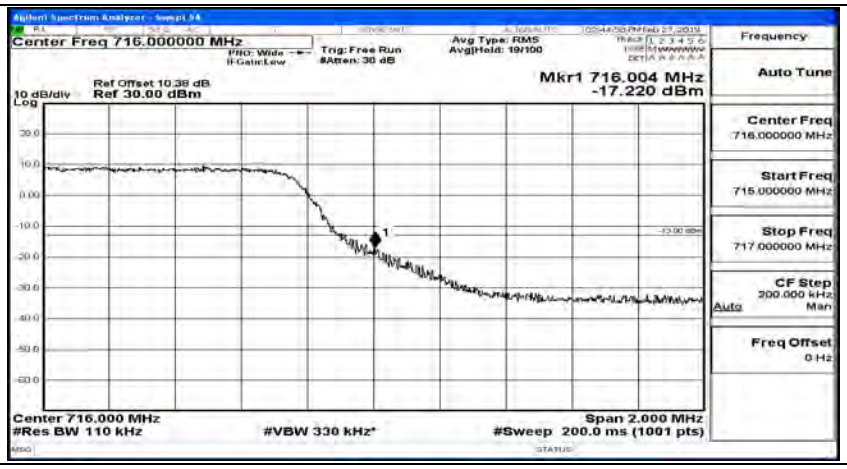
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



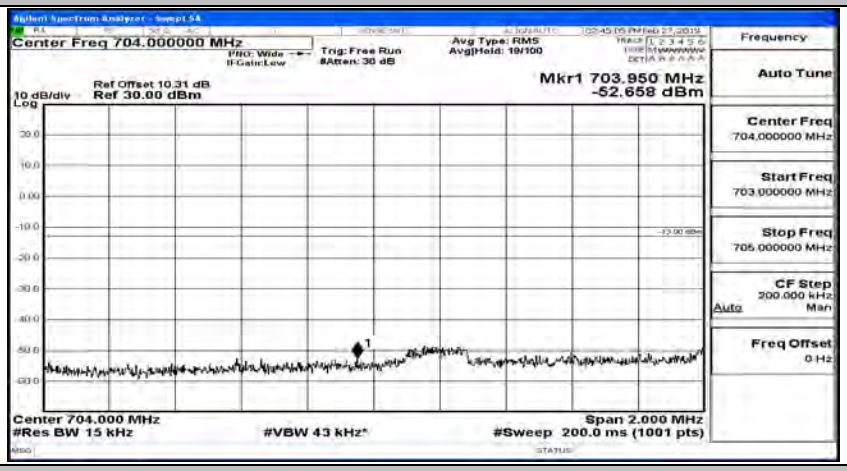
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

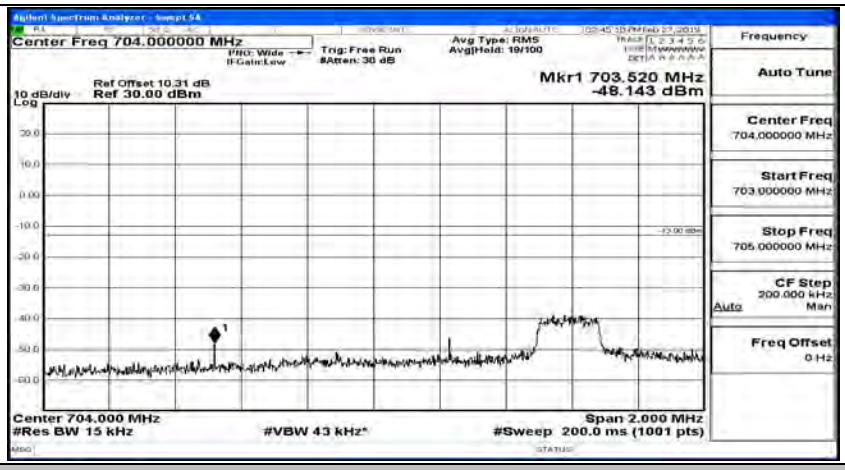


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

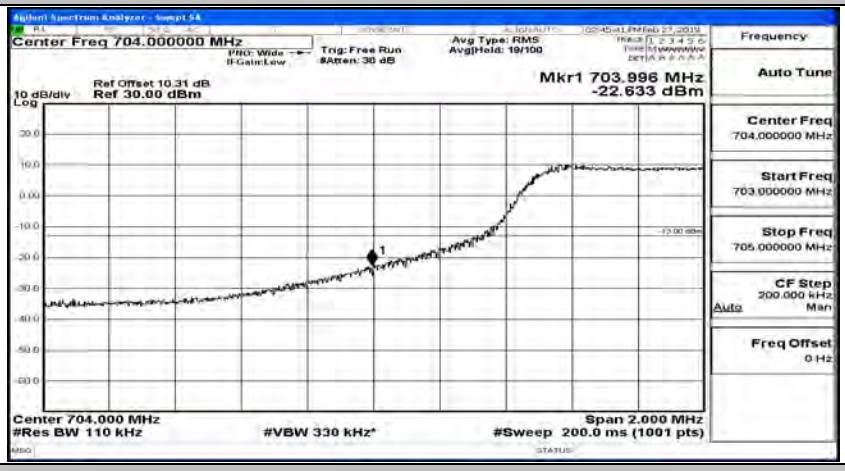


Channel Bandwidth: 10 MHz

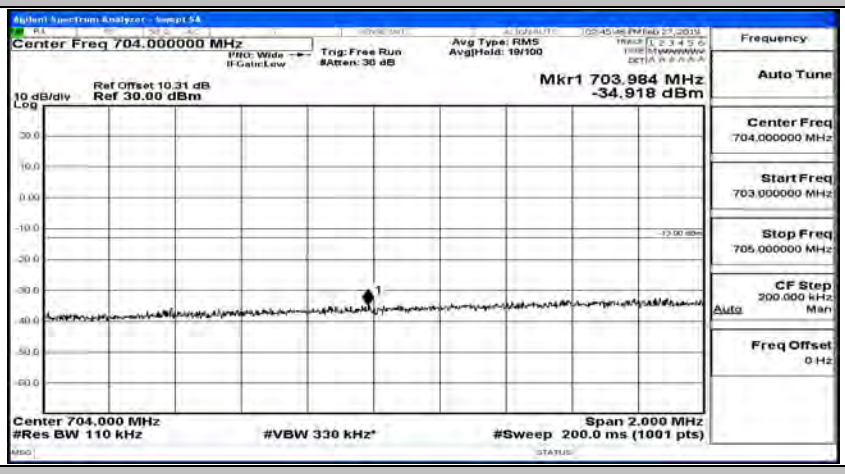
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



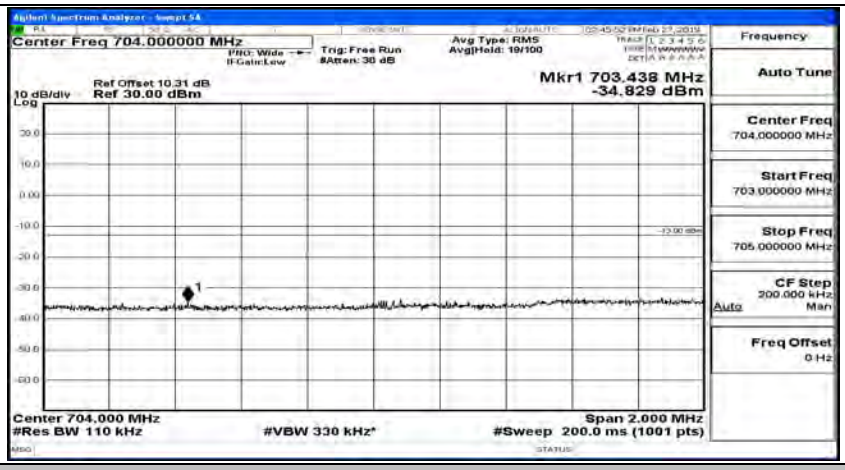
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



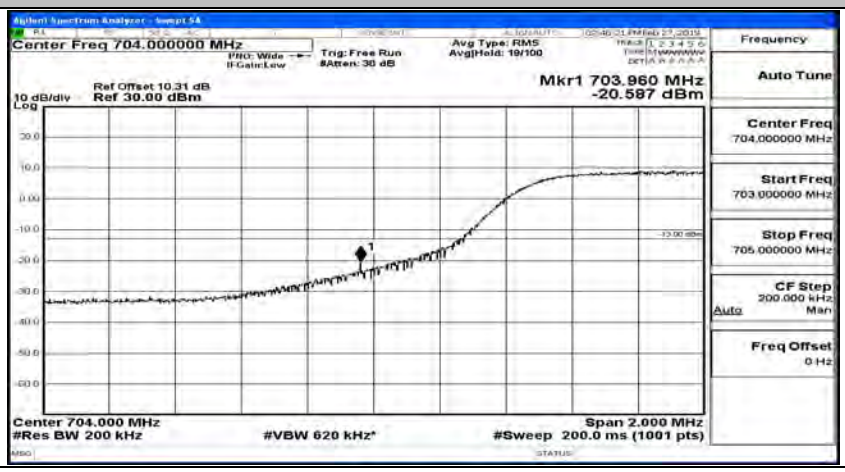
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

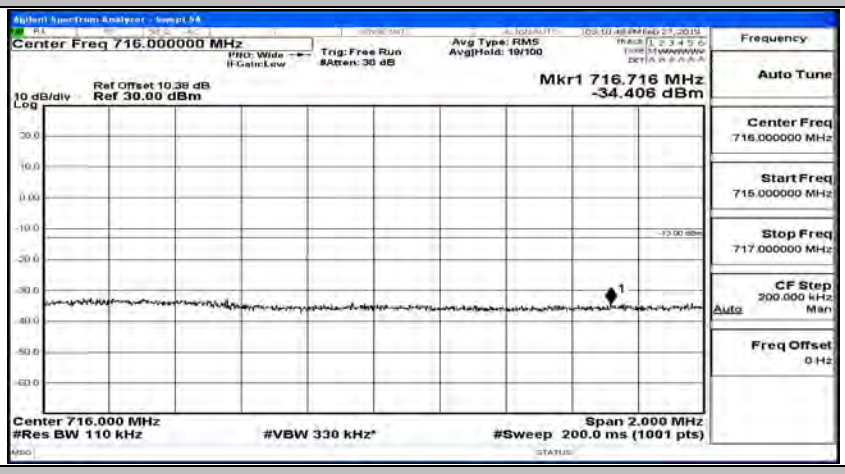


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

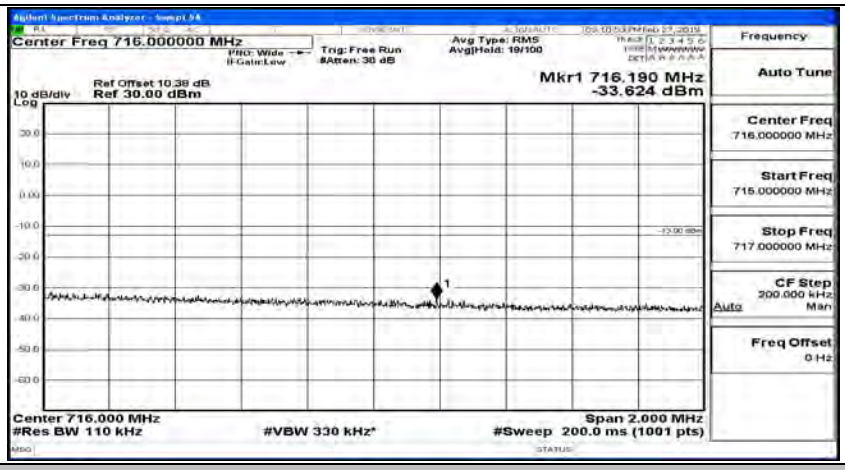
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

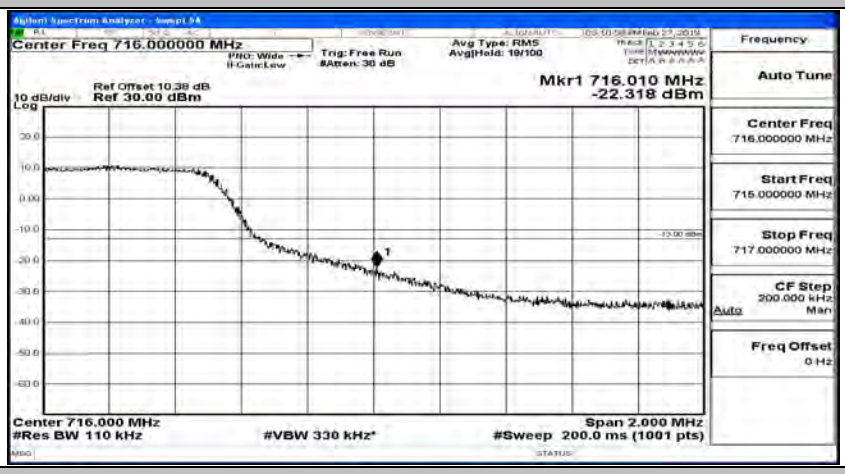
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



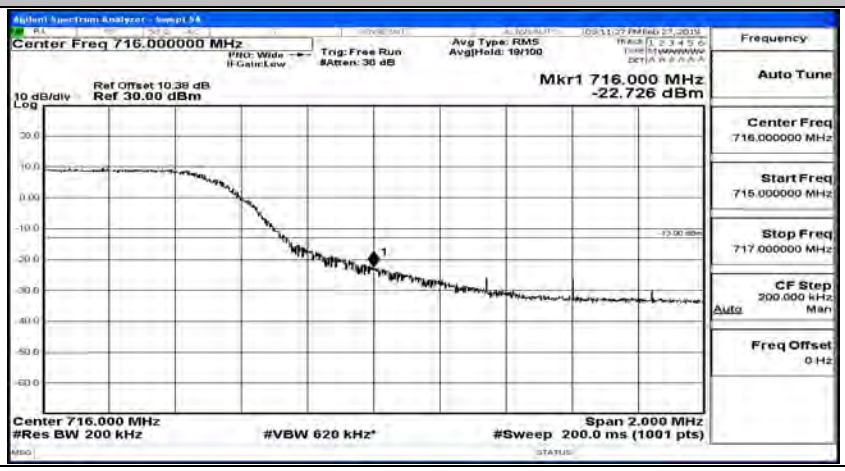
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

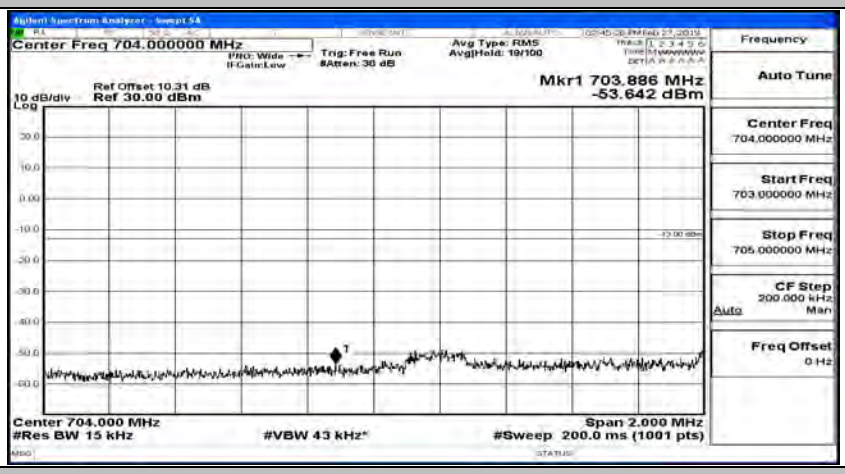


Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

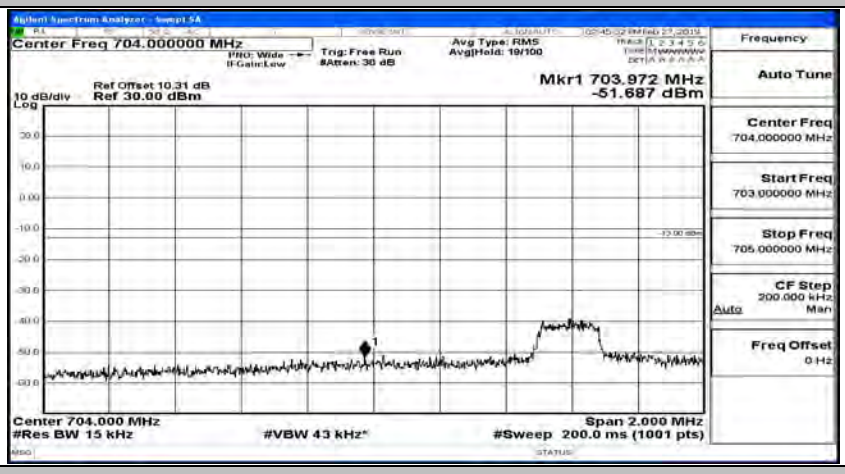


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

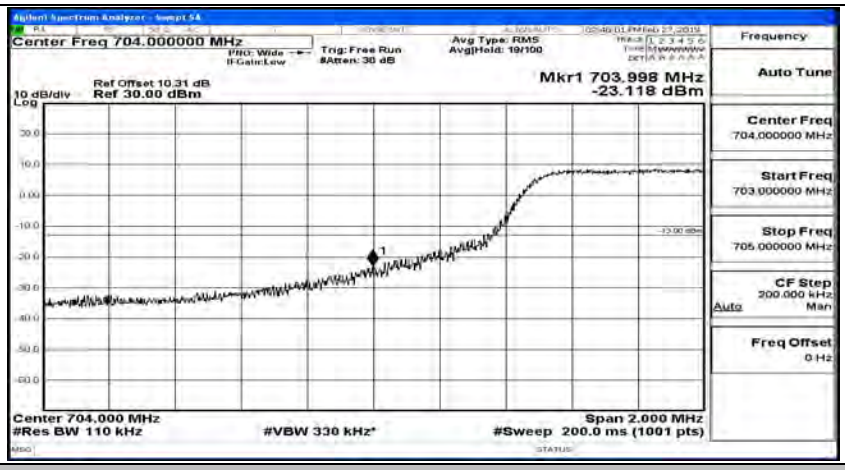
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



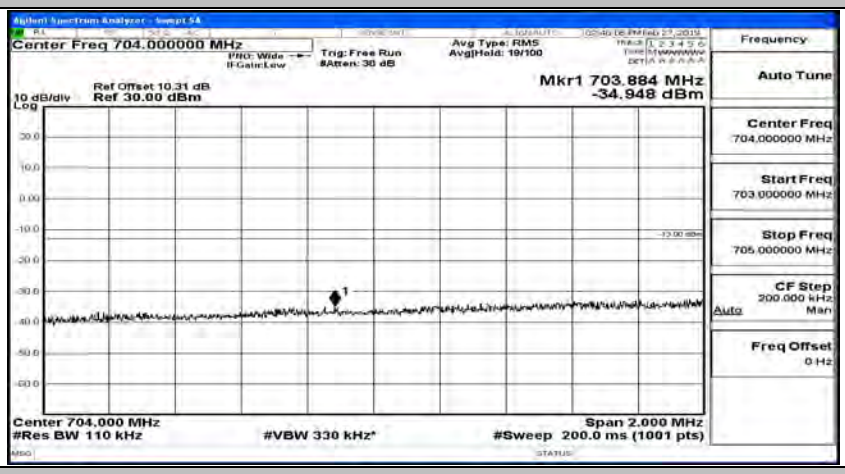
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



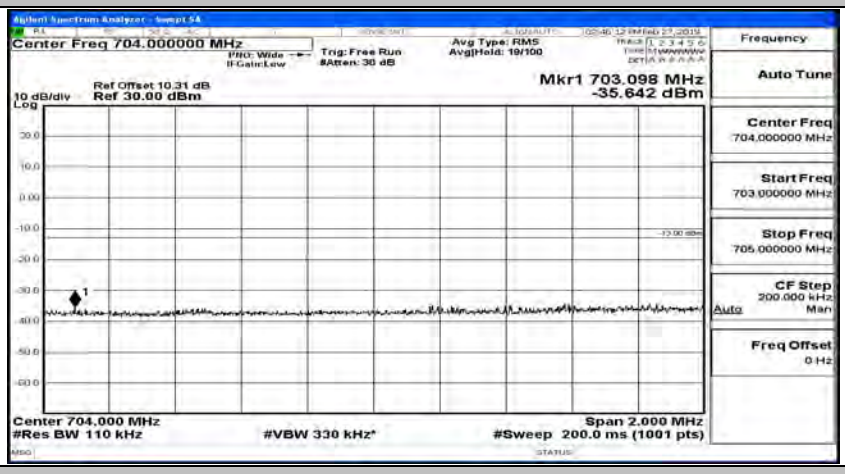
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

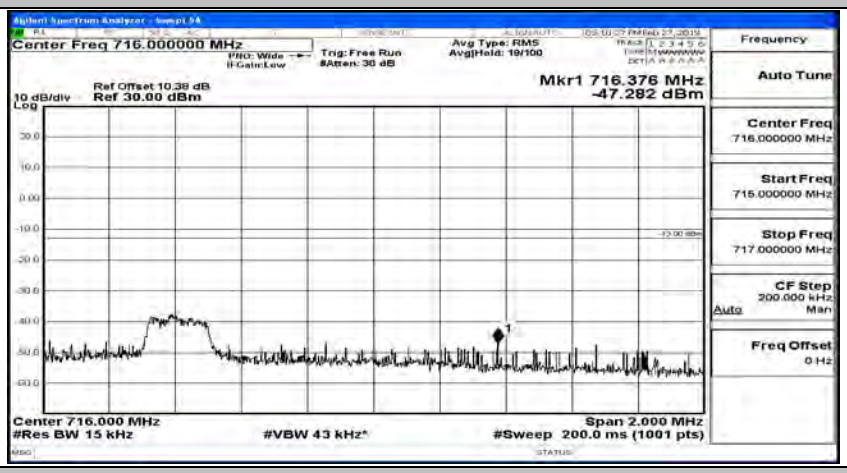


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

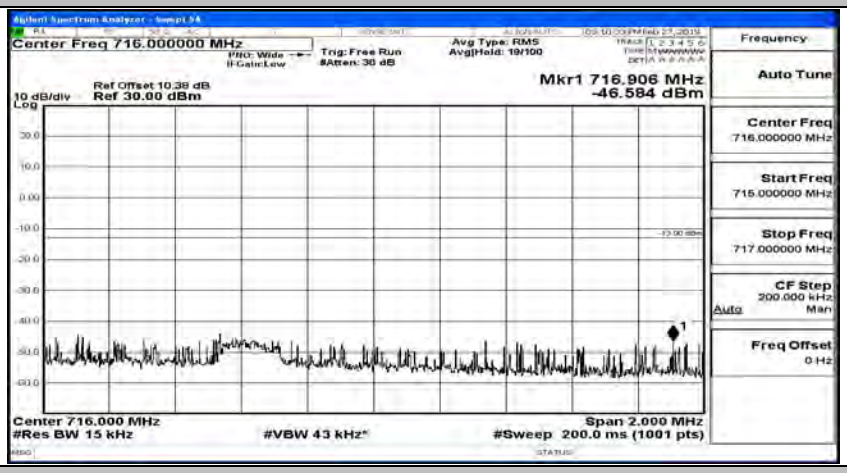


Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

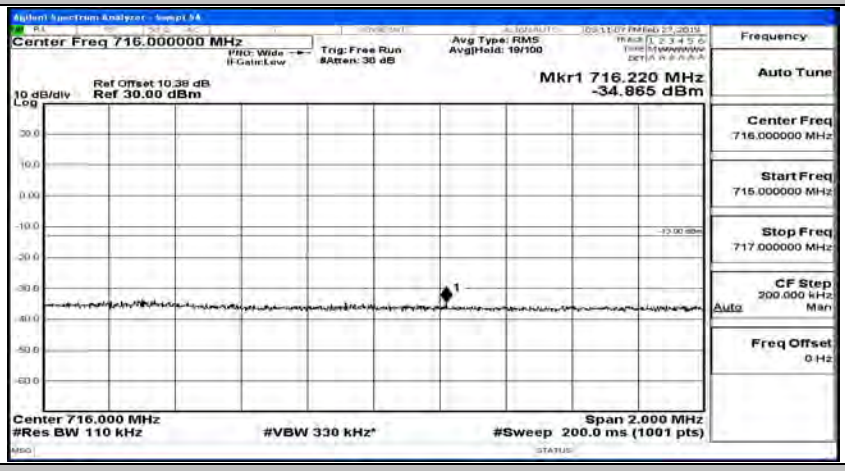


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

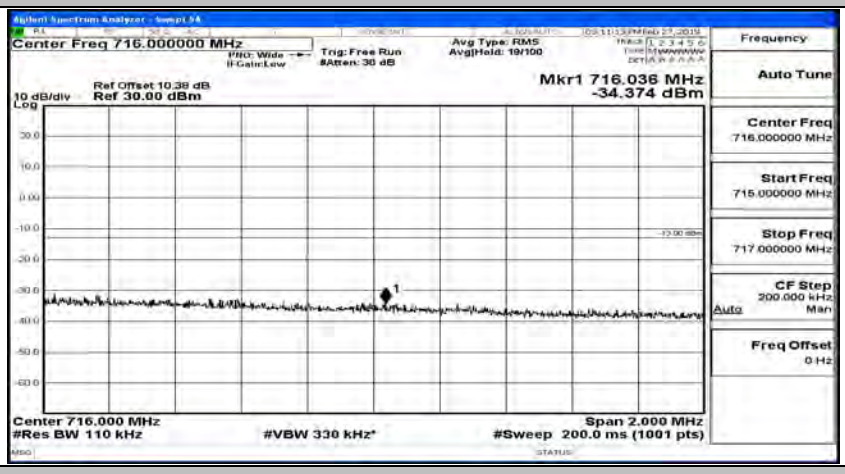


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0

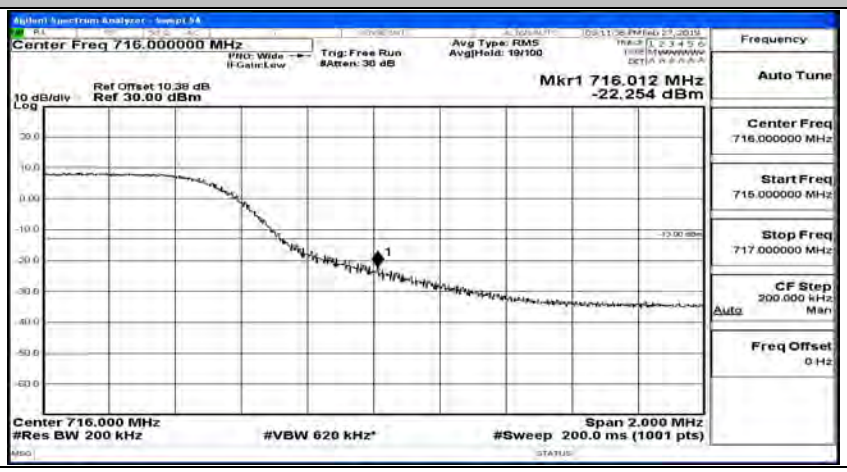


Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

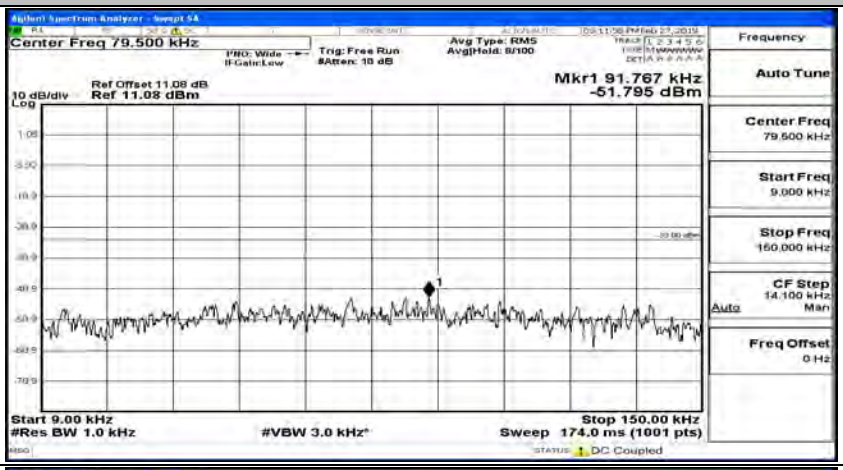
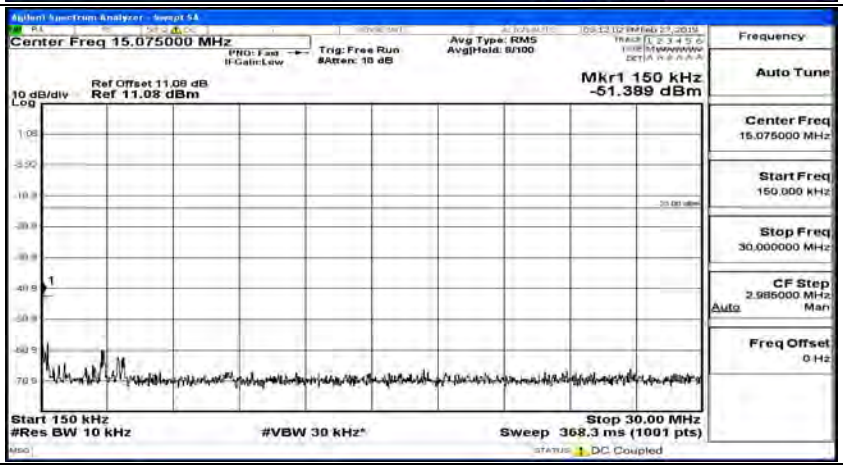
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

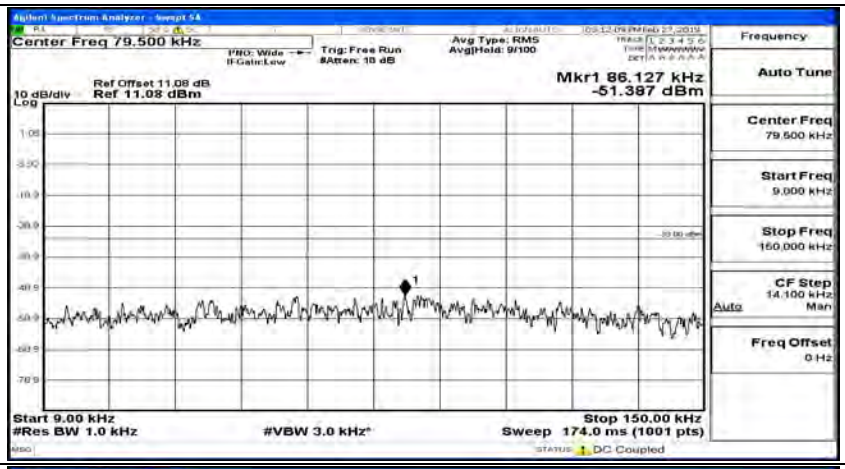


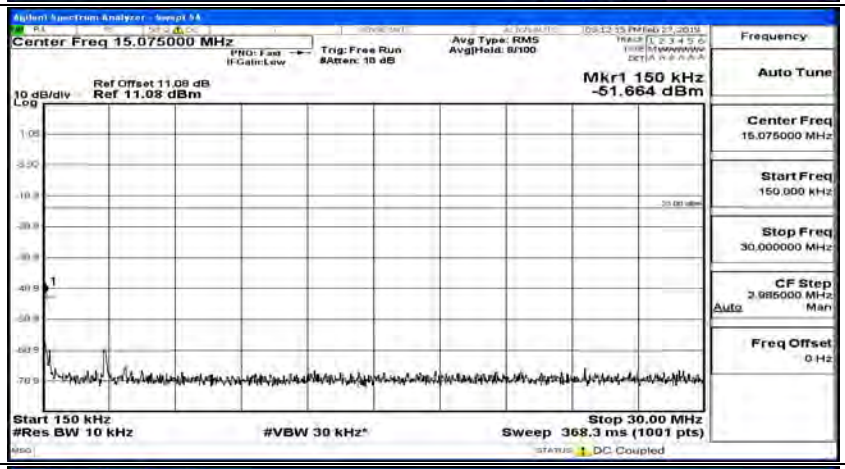
K.5 Conducted Spurious Emission

Test Graphs

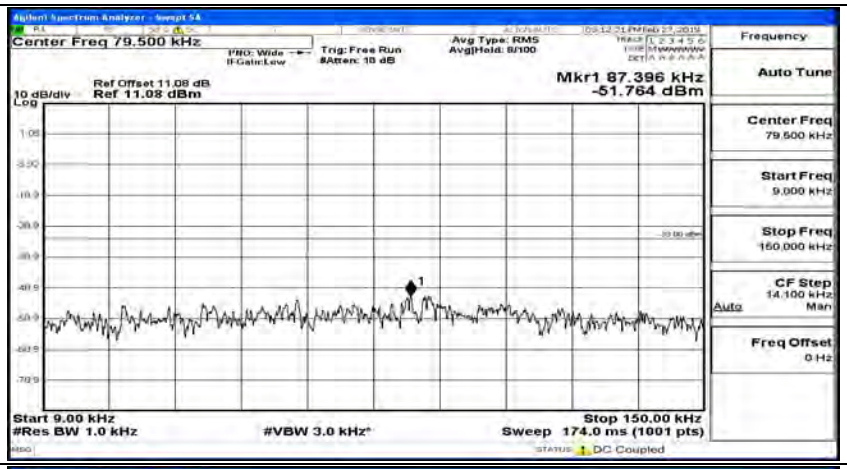
Channel Bandwidth: 5 MHz

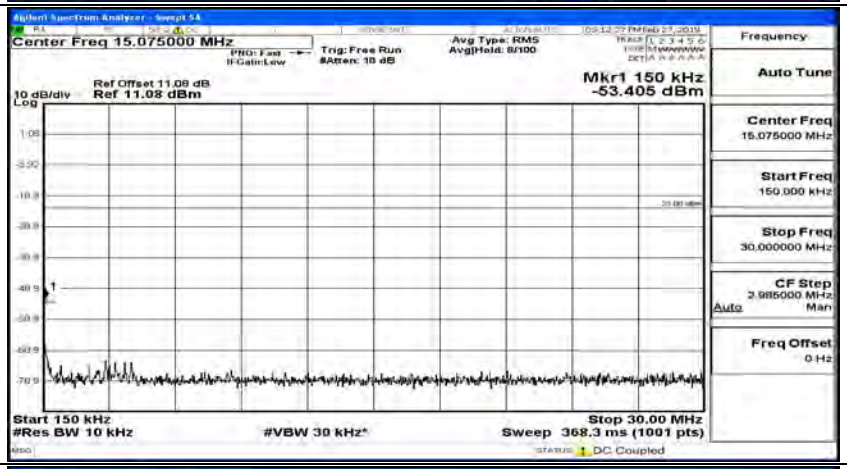
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



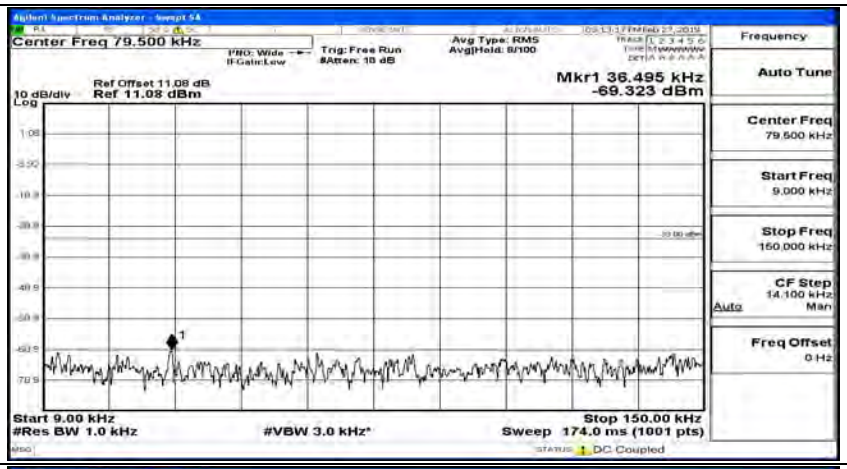


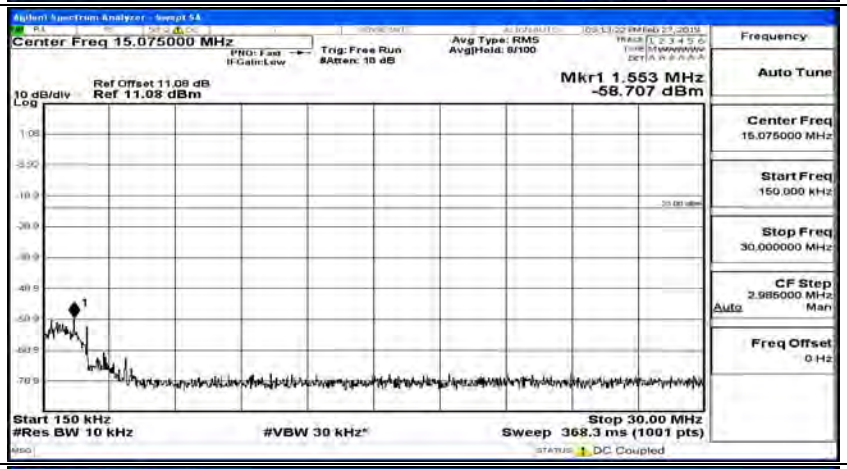
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



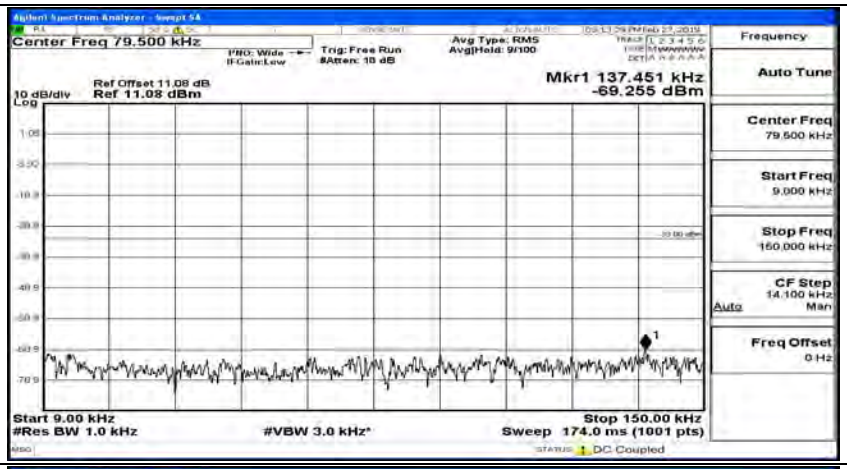


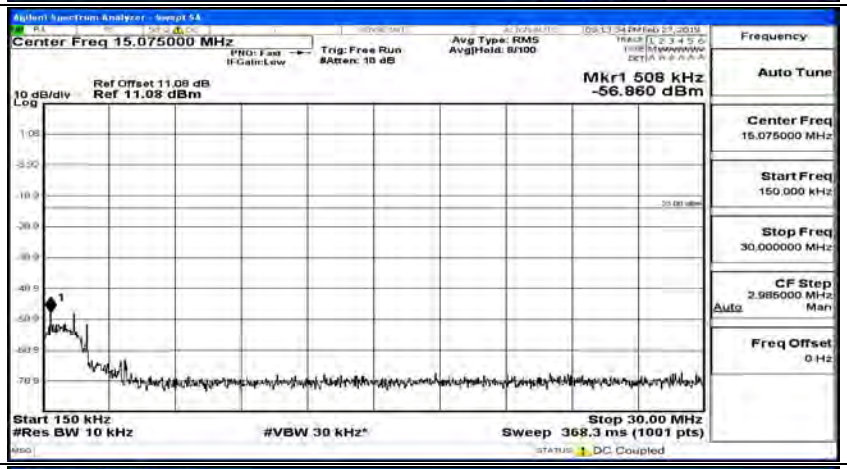
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



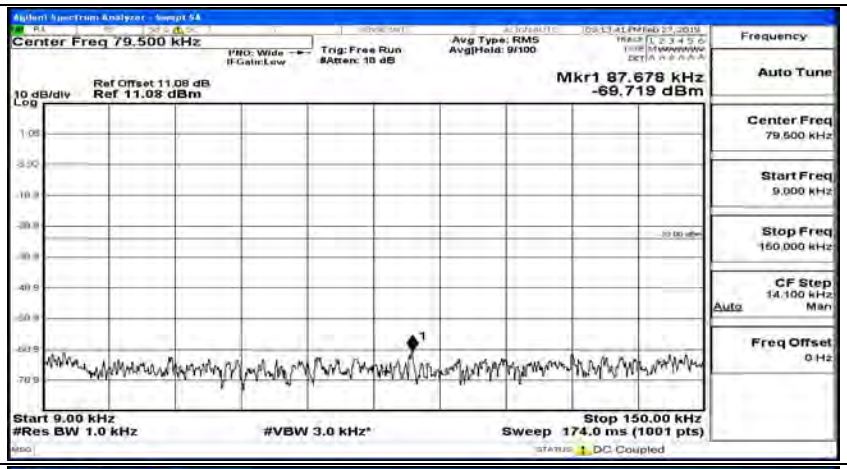


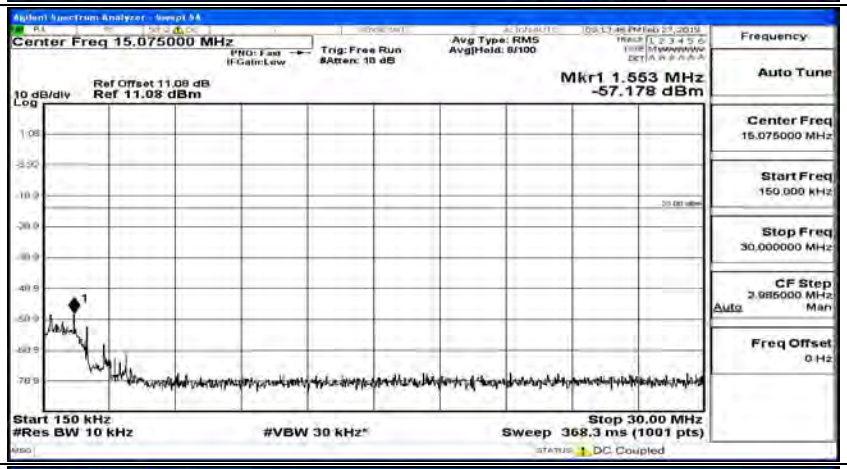
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



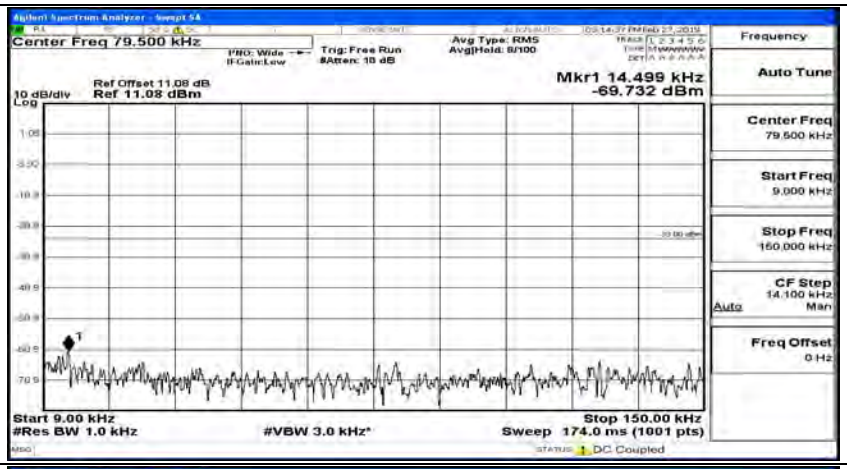


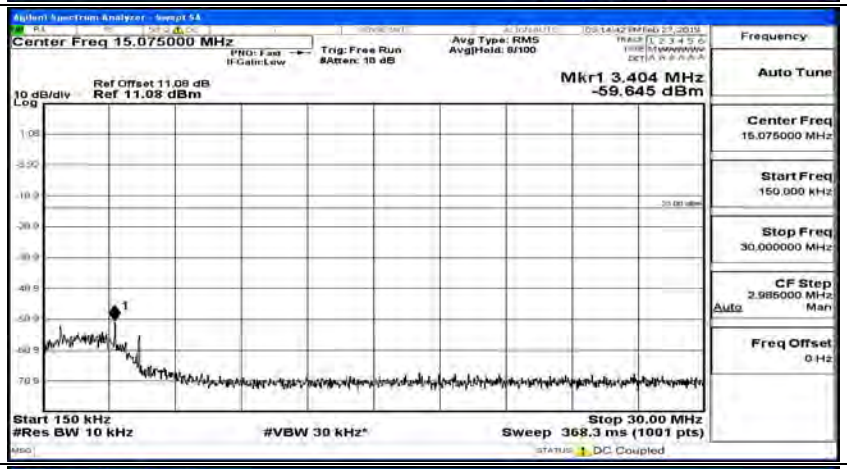
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



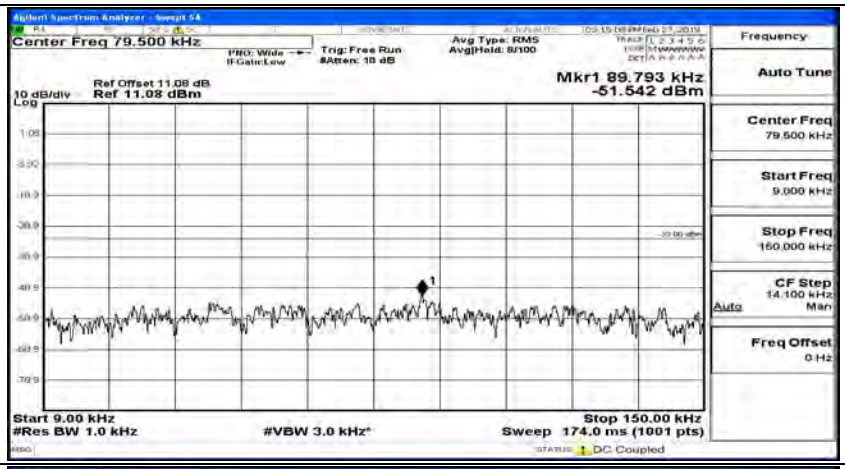


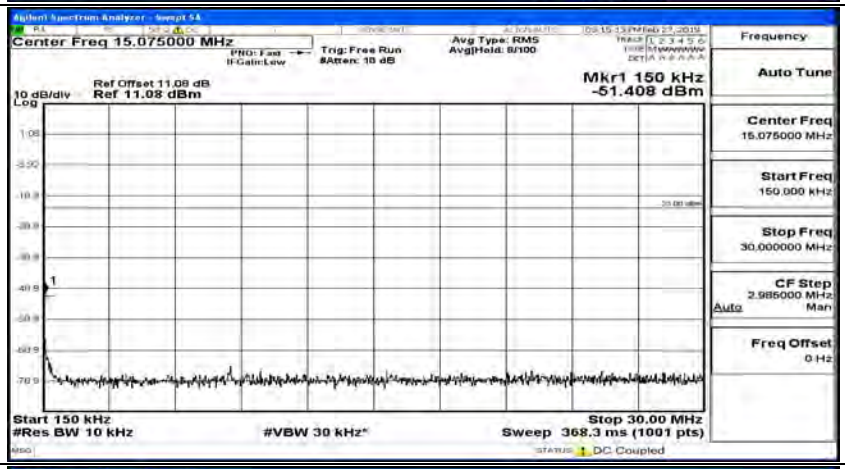
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



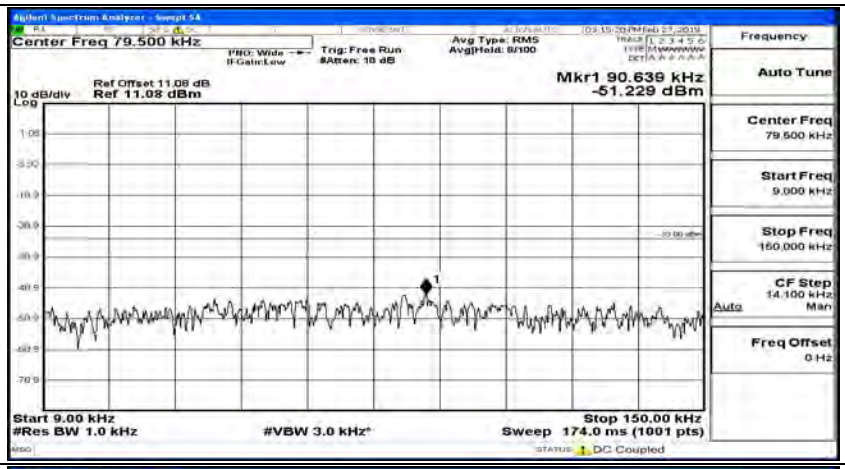


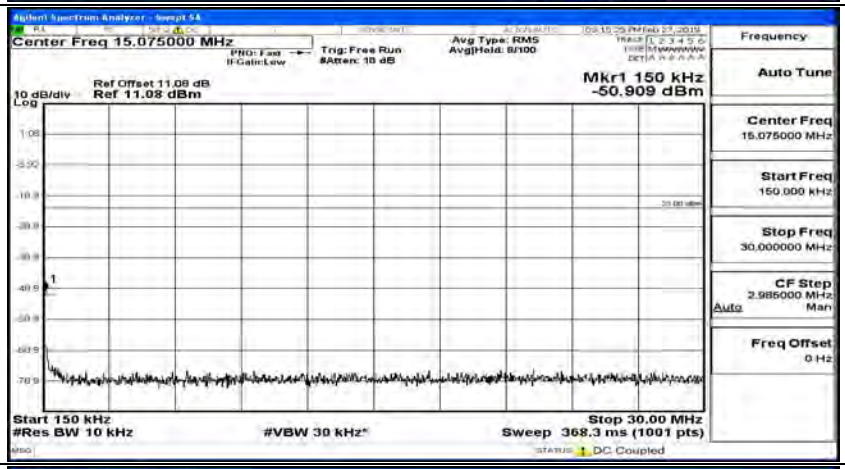
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



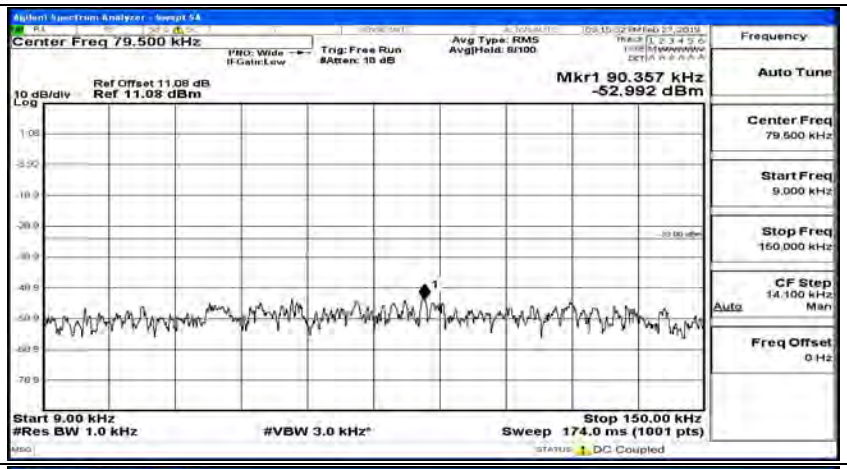


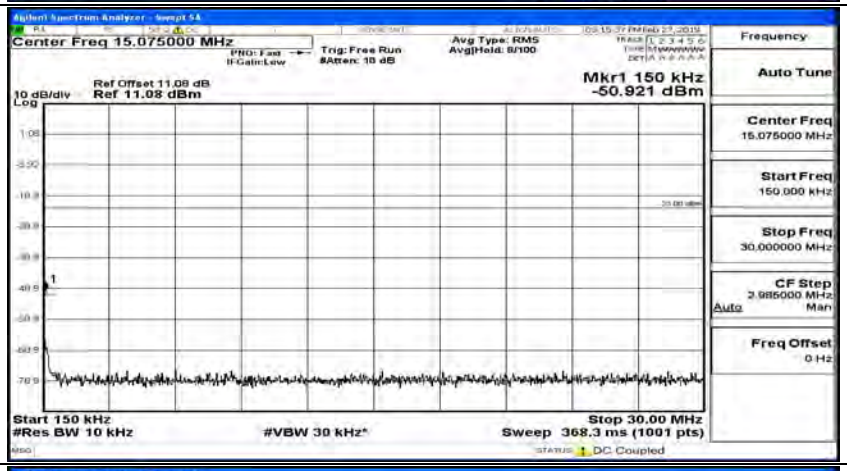
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



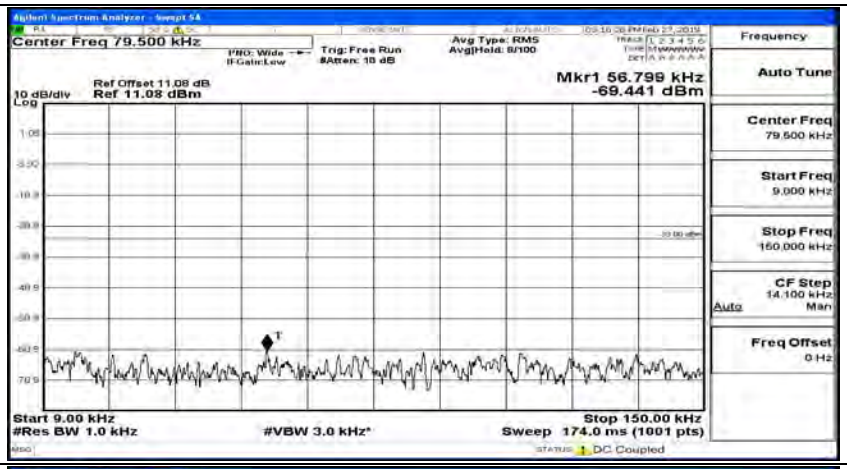


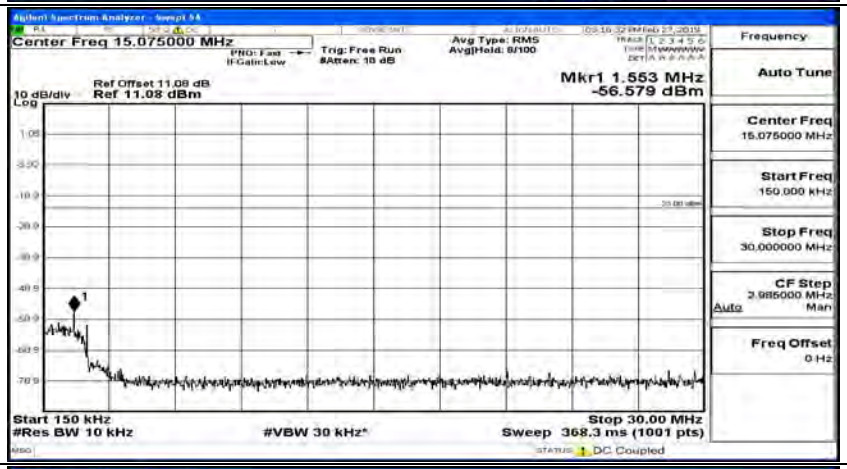
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



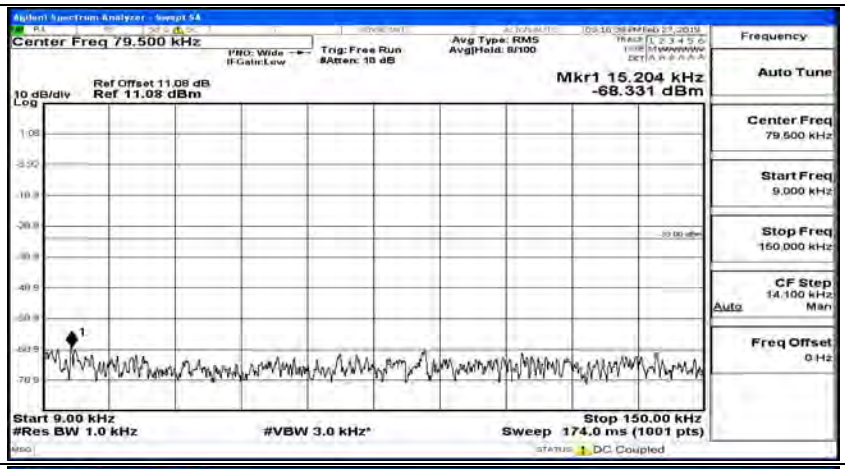


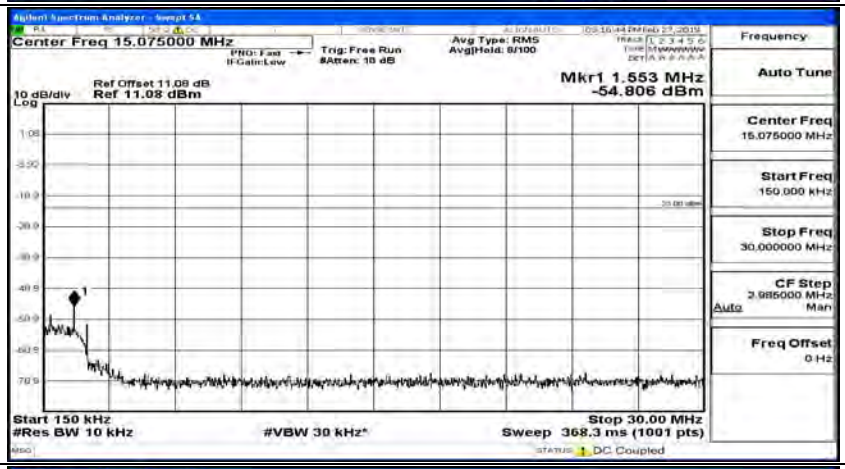
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



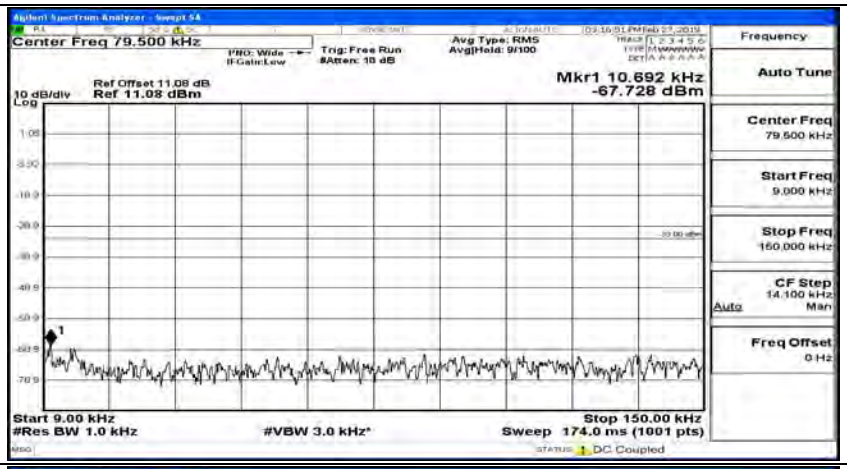


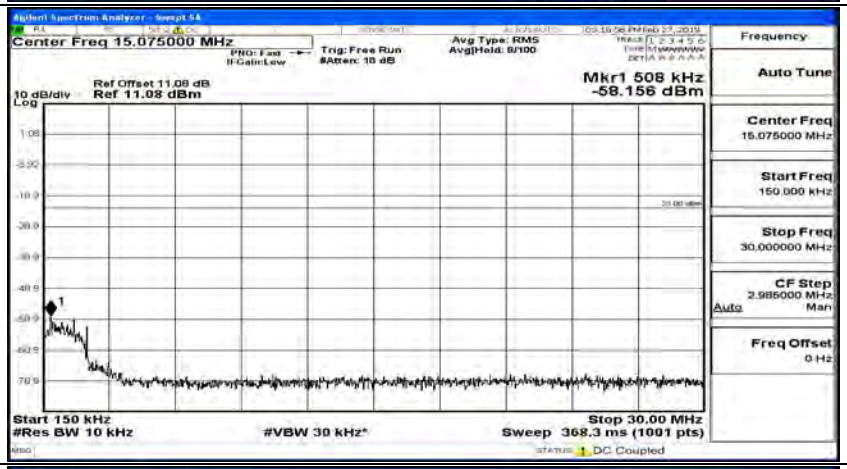
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6





(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13





(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0