Appendix C: Test Data for E-UTRA Band 4

Product Name: IOT Gateway

Trade Mark: N/A

Test Model: IOT-1110

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

C.1 Conducted Output Power

Conducted Output Power Test Result (Channel Bandwidth: 1.4 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.12	22.34	PASS
		1	3	23.05	22.37	PASS
		1	5	22.95	22.24	PASS
		3	0	22.91	22.13	PASS
		3	2	22.88	22.10	PASS
		3	3	22.83	22.01	PASS
		6	0	22.73	21.84	PASS
	MCH	1	0	23.28	22.66	PASS
		1	3	23.26	22.44	PASS
		1	5	23.14	22.42	PASS
		3	0	23.34	22.46	PASS
		3	2	23.29	22.46	PASS
		3	3	23.19	22.37	PASS
		6	0	22.16	21.01	PASS
	HCH	1	0	23.09	21.81	PASS
		1	3	23.24	21.90	PASS
		1	5	23.34	21.80	PASS
		3	0	23.17	21.87	PASS
		3	2	23.25	21.80	PASS
		3	3	23.24	21.89	PASS
		6	0	22.07	21.06	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	22.70	22.00	PASS
		1	7	22.66	22.04	PASS
		1	14	22.51	21.84	PASS
		8	0	22.52	21.68	PASS
		8	4	22.50	21.68	PASS
		8	7	22.44	21.59	PASS
		15	0	22.43	21.58	PASS
	MCH	1	0	23.18	22.54	PASS
		1	7	23.45	22.62	PASS
		1	14	23.58	22.45	PASS
		8	0	22.32	21.24	PASS
		8	4	22.29	21.37	PASS
		8	7	22.17	21.31	PASS
		15	0	22.21	21.21	PASS
	HCH	1	0	23.05	22.06	PASS
		1	7	23.39	22.37	PASS
		1	14	23.25	22.54	PASS
		8	0	22.08	20.96	PASS
		8	4	22.07	21.10	PASS
		8	7	22.12	20.99	PASS
		15	0	22.01	21.15	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.69	21.85	PASS
		1	12	22.64	21.87	PASS
		1	24	22.57	21.85	PASS
		12	0	22.40	21.56	PASS
		12	6	22.41	21.57	PASS
		12	13	22.41	21.55	PASS
		25	0	22.39	21.52	PASS
	MCH	1	0	23.01	22.08	PASS
		1	12	23.35	21.99	PASS
		1	24	23.07	21.86	PASS
		12	0	22.26	21.34	PASS
		12	6	22.27	21.37	PASS
		12	13	22.21	21.28	PASS
		25	0	22.18	21.49	PASS
	HCH	1	0	23.09	21.84	PASS
		1	12	23.40	22.23	PASS
		1	24	23.59	22.29	PASS
		12	0	22.02	20.96	PASS
		12	6	22.20	20.94	PASS
		12	13	22.21	21.07	PASS
		25	0	22.08	21.14	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.87	21.22	PASS
		1	24	22.79	22.20	PASS
		1	49	22.84	22.22	PASS
		25	0	22.24	21.32	PASS
		25	12	22.61	21.72	PASS
		25	25	22.79	21.91	PASS
		50	0	22.47	21.59	PASS
	MCH	1	0	22.40	21.90	PASS
		1	24	23.33	22.87	PASS
		1	49	23.45	22.97	PASS
		25	0	22.27	21.50	PASS
		25	12	22.33	21.50	PASS
		25	25	22.21	21.24	PASS
		50	0	22.16	21.23	PASS
	HCH	1	0	22.76	22.22	PASS
		1	24	23.10	22.63	PASS
		1	49	22.67	22.21	PASS
		25	0	22.16	21.32	PASS
		25	12	22.21	21.37	PASS
		25	25	22.17	21.19	PASS
		50	0	22.15	21.05	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.85	21.16	PASS
		1	37	23.29	22.67	PASS
		1	74	23.01	22.13	PASS
		37	0	22.19	21.31	PASS
		37	18	22.96	22.12	PASS
		37	38	22.86	21.96	PASS
		75	0	22.71	21.85	PASS
	MCH	1	0	22.55	21.81	PASS
		1	37	23.24	22.59	PASS
		1	74	23.49	21.90	PASS
		37	0	22.40	21.41	PASS
		37	18	22.33	21.34	PASS
		37	38	22.15	21.24	PASS
		75	0	22.23	21.45	PASS
	HCH	1	0	23.25	22.34	PASS
		1	37	23.04	22.46	PASS
		1	74	22.50	21.84	PASS
		37	0	22.08	20.98	PASS
		37	18	22.13	21.07	PASS
		37	38	22.05	20.99	PASS
		75	0	22.12	21.17	PASS

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Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	22.43	21.62	PASS
		1	49	23.77	22.96	PASS
		1	99	22.99	21.17	PASS
		50	0	22.38	21.45	PASS
		50	25	23.18	22.17	PASS
		50	50	22.63	21.73	PASS
		100	0	22.70	21.81	PASS
	MCH	1	0	22.63	22.03	PASS
		1	49	23.21	22.66	PASS
		1	99	23.13	21.63	PASS
		50	0	22.43	21.50	PASS
		50	25	22.29	21.44	PASS
		50	50	22.09	21.22	PASS
		100	0	22.26	21.49	PASS
	HCH	1	0	22.75	22.12	PASS
		1	49	23.40	22.82	PASS
		1	99	22.08	21.49	PASS
		50	0	22.09	21.15	PASS
		50	25	22.15	21.21	PASS
		50	50	22.11	21.03	PASS
		100	0	22.13	21.07	PASS

C.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.26	<13	PASS
	MCH	5.28	<13	PASS
	HCH	5.21	<13	PASS
16QAM	LCH	6.08	<13	PASS
	MCH	6.13	<13	PASS
	HCH	6.04	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.36	<13	PASS
	MCH	5.37	<13	PASS
	HCH	5.26	<13	PASS
16QAM	LCH	6.23	<13	PASS
	MCH	6.11	<13	PASS
	HCH	6.06	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.36	<13	PASS
	MCH	5.3	<13	PASS
	HCH	5.32	<13	PASS
16QAM	LCH	6.1	<13	PASS
	MCH	6.08	<13	PASS
	HCH	6.06	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.31	<13	PASS
	MCH	5.31	<13	PASS
	HCH	5.27	<13	PASS
16QAM	LCH	6.1	<13	PASS
	MCH	6.05	<13	PASS
	HCH	6.04	<13	PASS

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Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	4.98	<13	PASS
	MCH	4.96	<13	PASS
	HCH	4.95	<13	PASS
16QAM	LCH	6.23	<13	PASS
	MCH	6.2	<13	PASS
	HCH	6.16	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.64	<13	PASS
	MCH	5.71	<13	PASS
	HCH	5.76	<13	PASS
16QAM	LCH	6.74	<13	PASS
	MCH	6.7	<13	PASS
	HCH	6.6	<13	PASS

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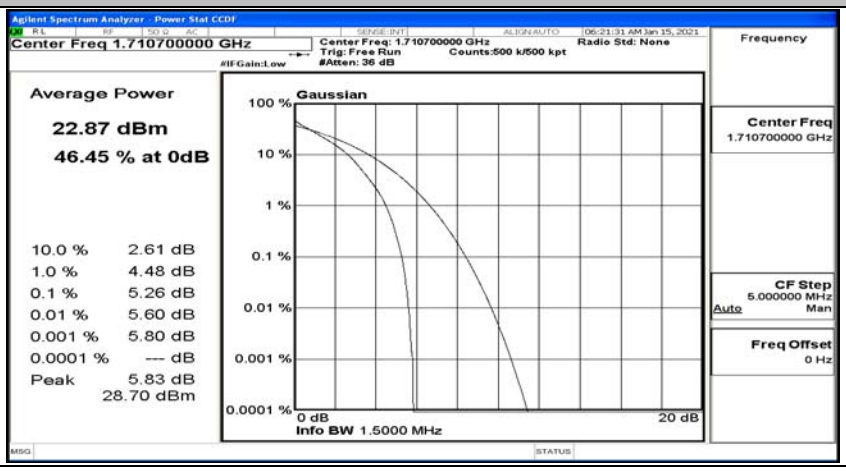
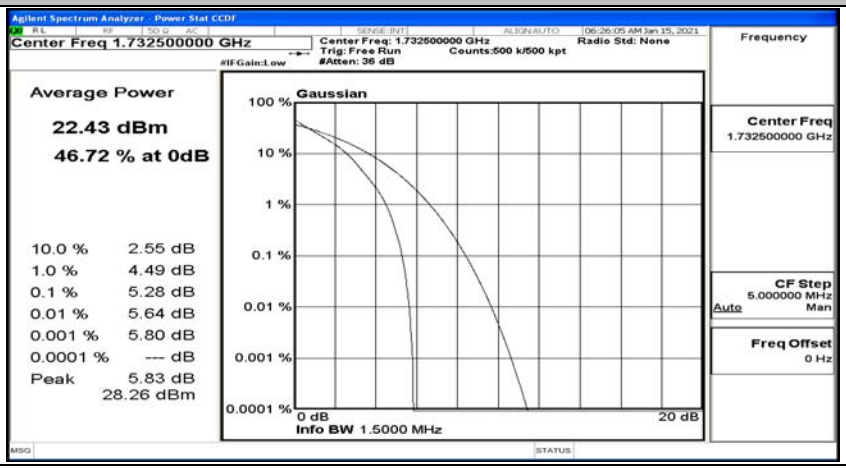
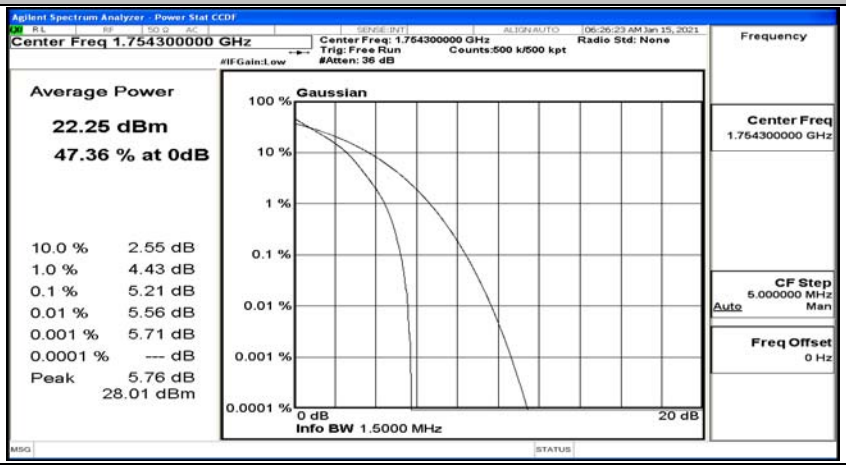
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



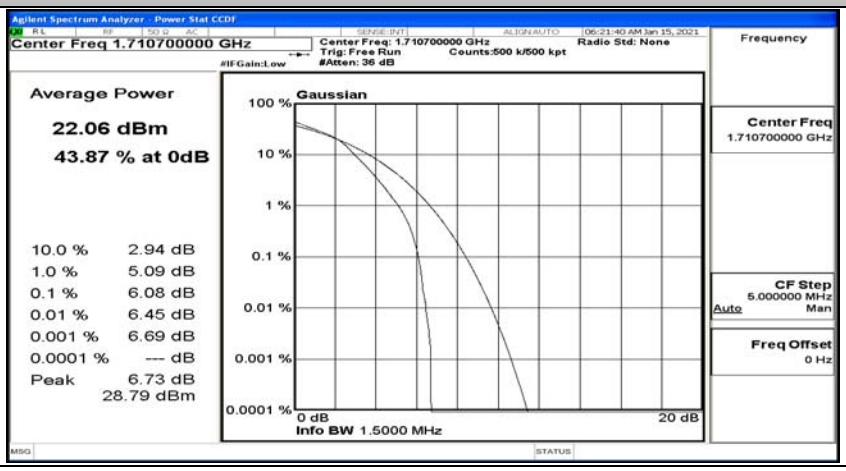
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



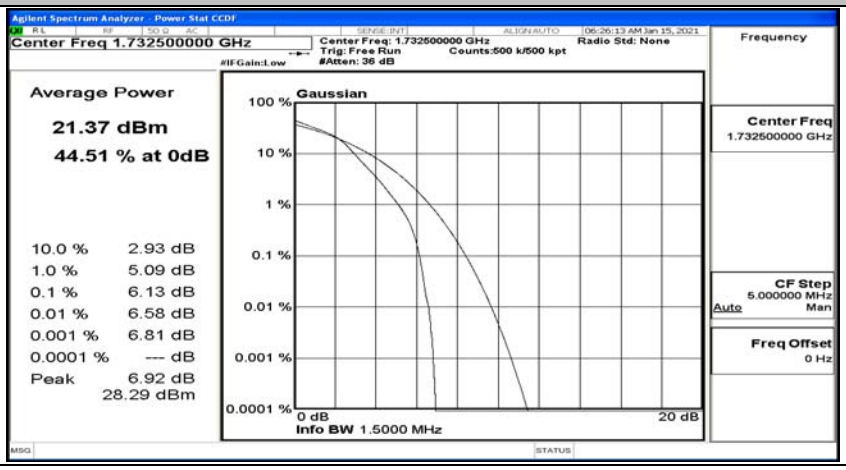
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



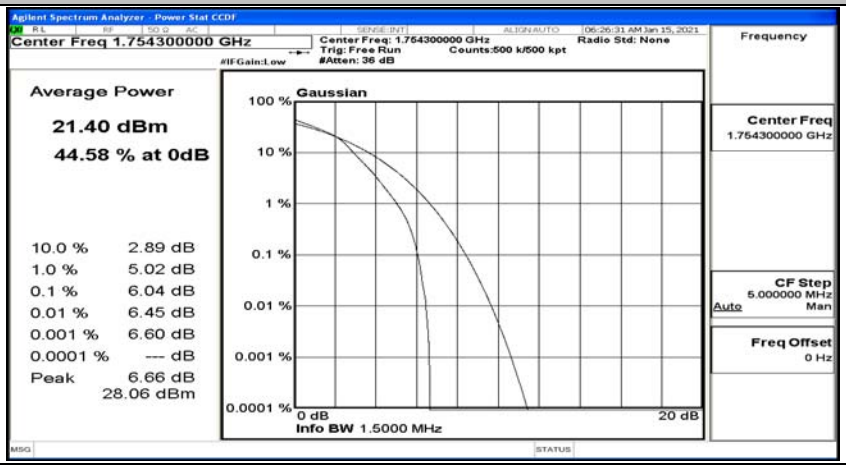
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



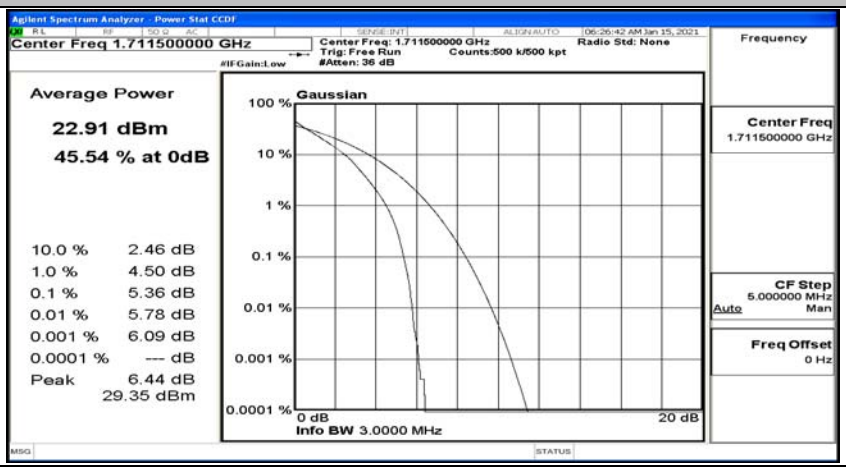
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



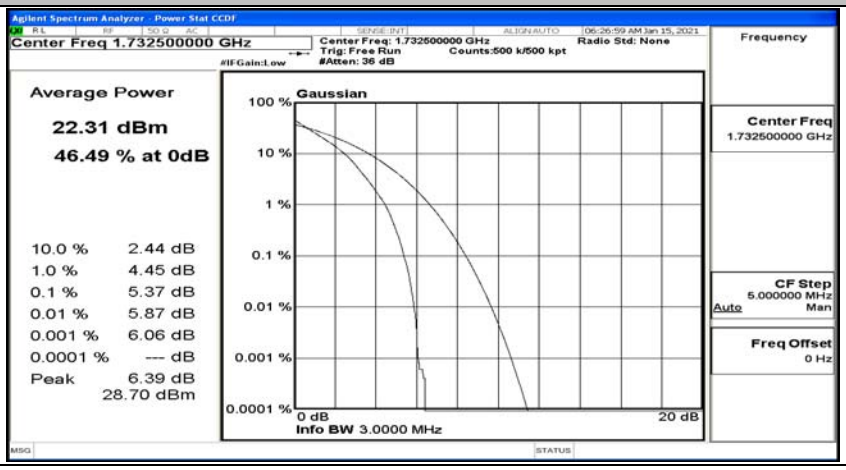
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



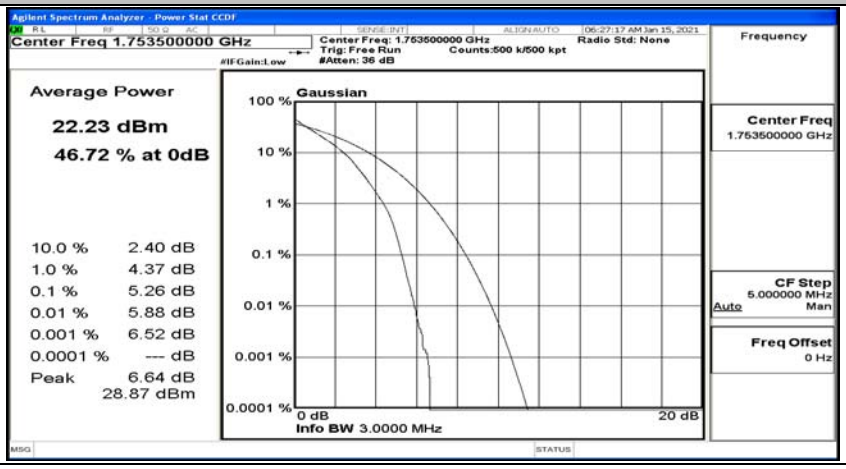
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



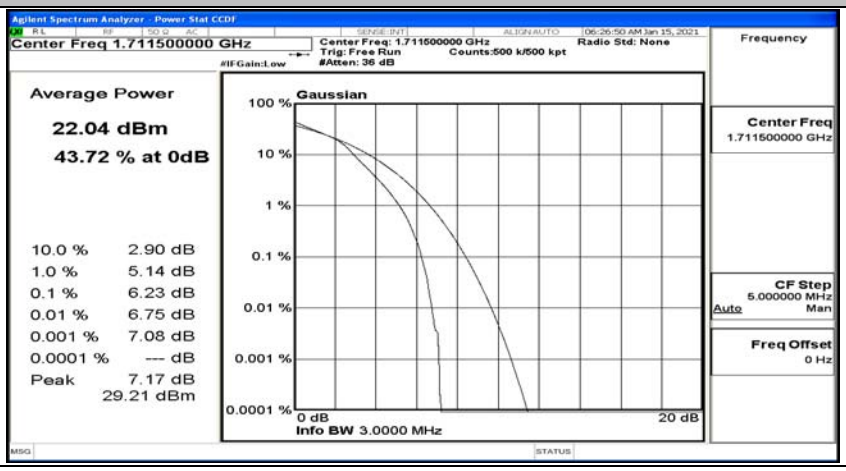
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



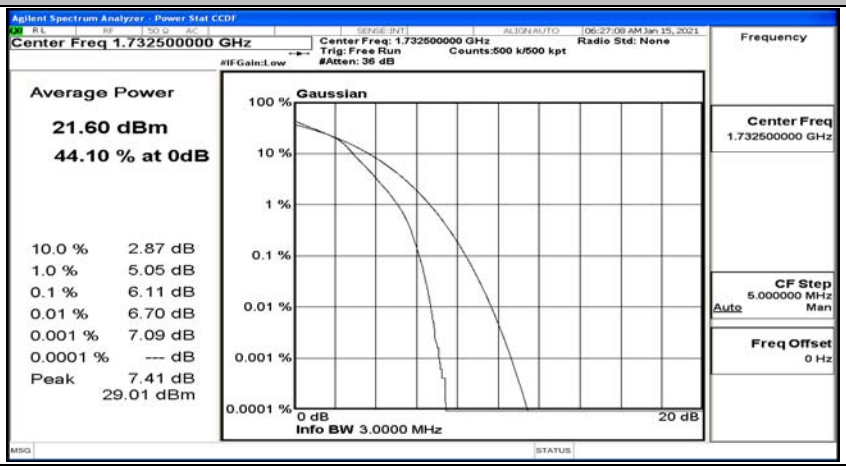
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



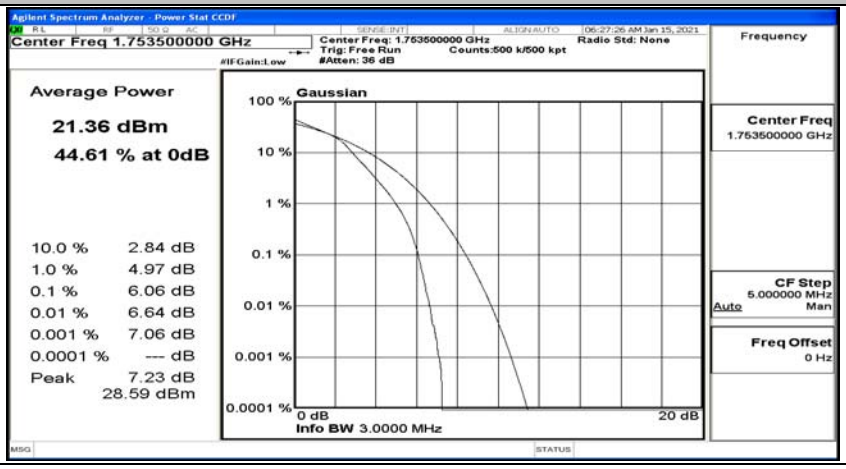
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



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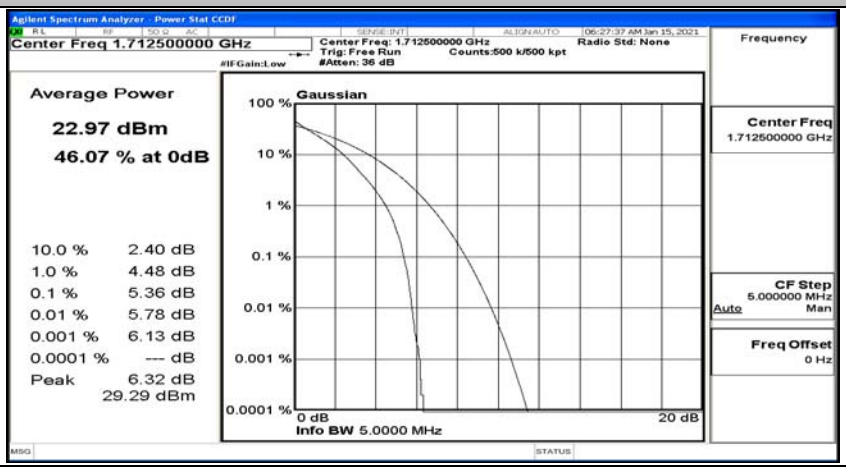
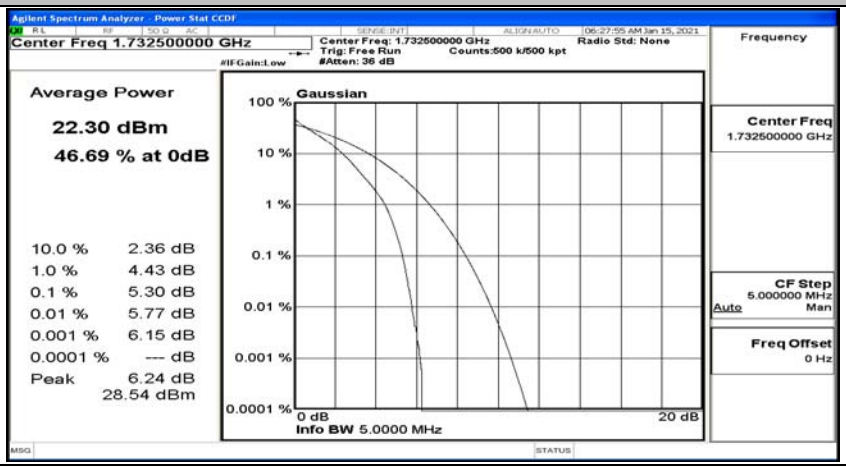
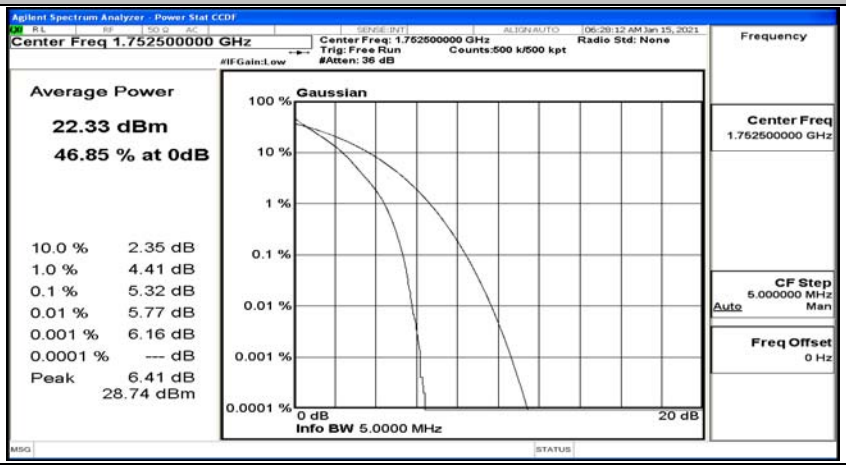
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



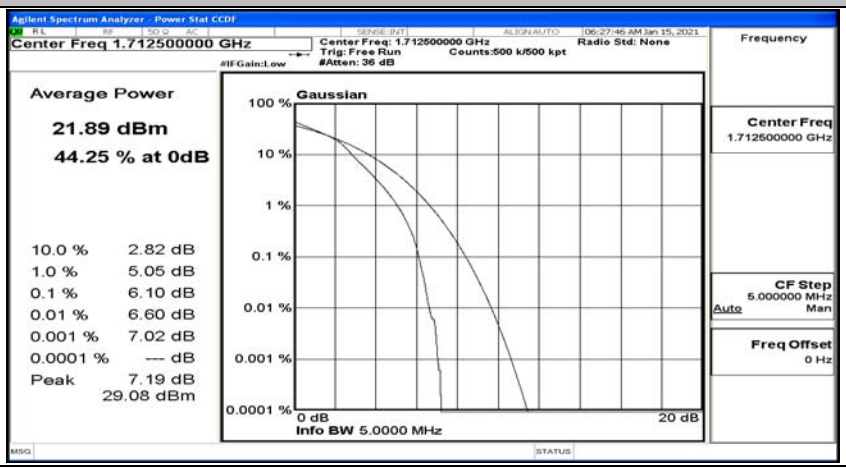
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



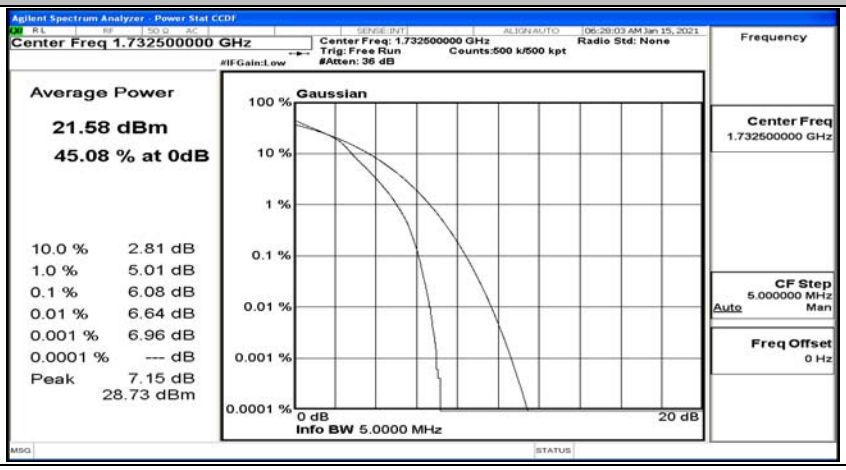
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



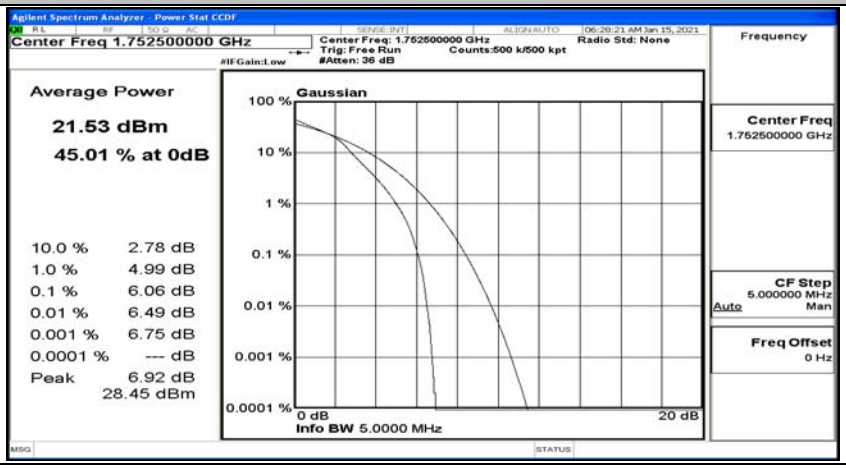
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



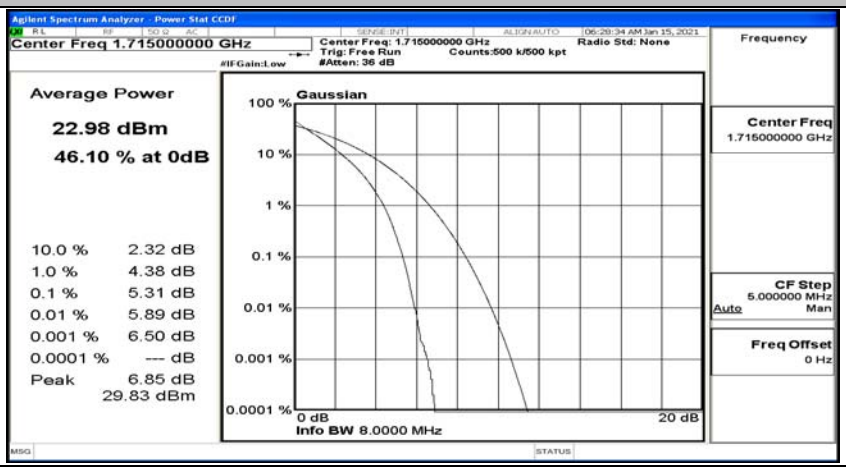
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



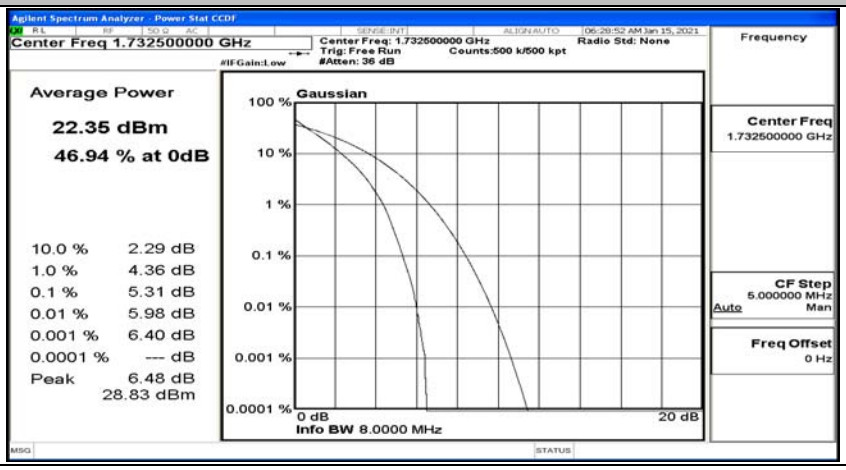
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



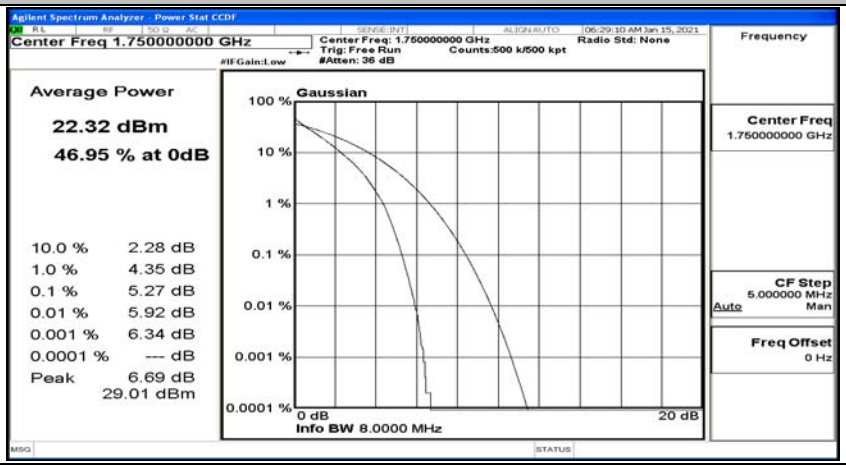
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



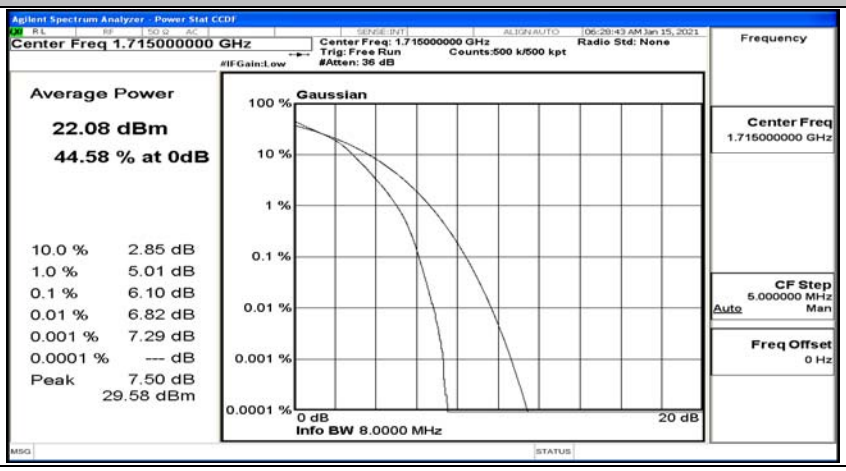
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



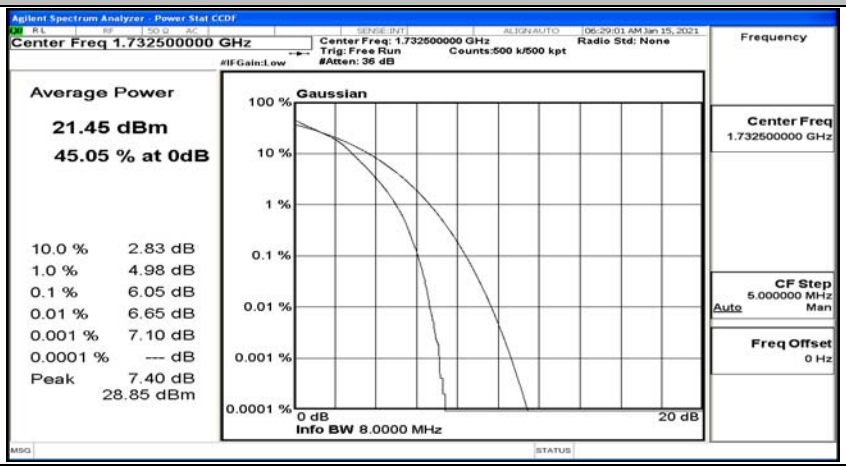
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



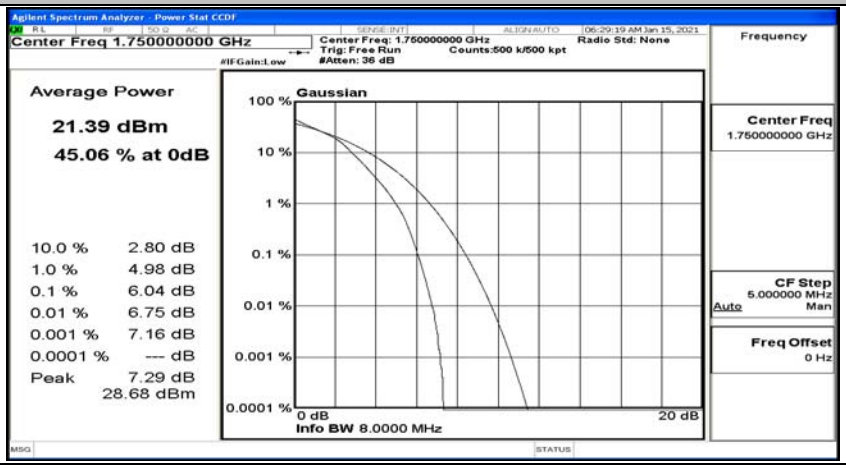
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



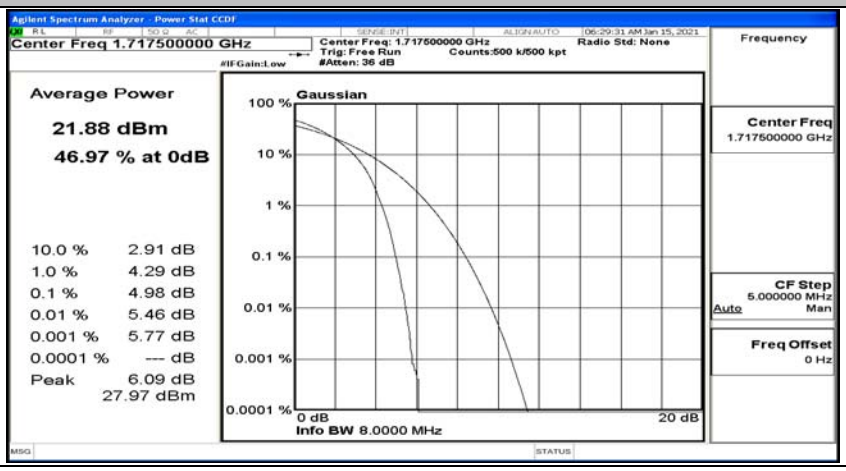
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



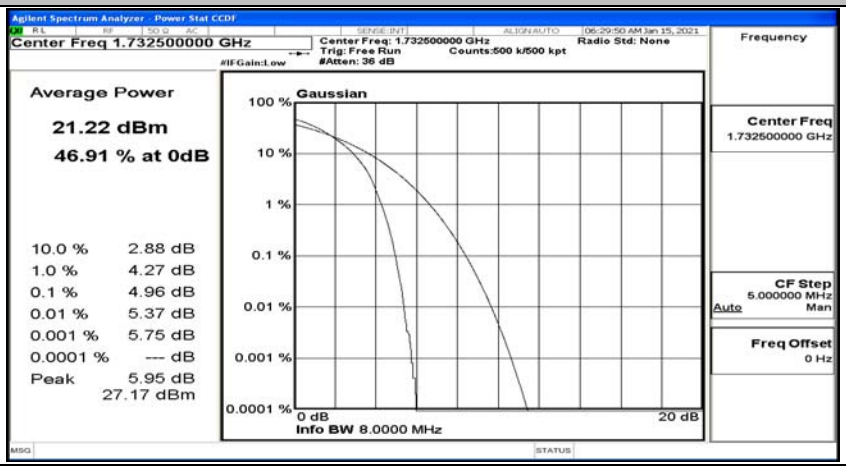
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



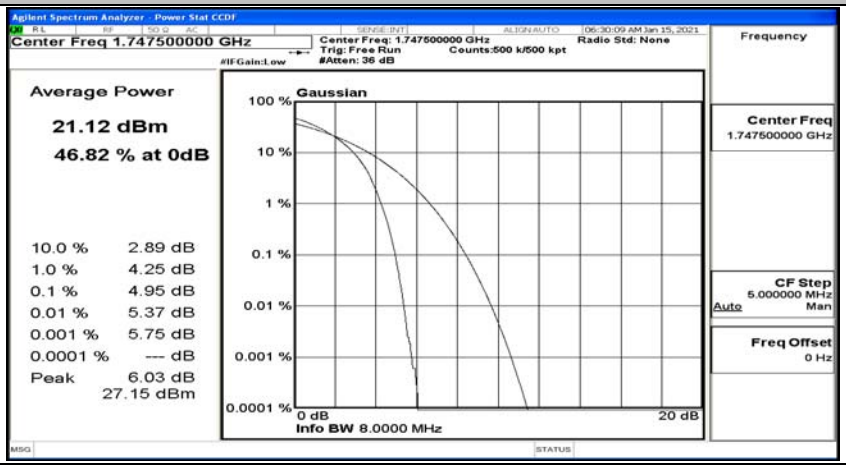
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



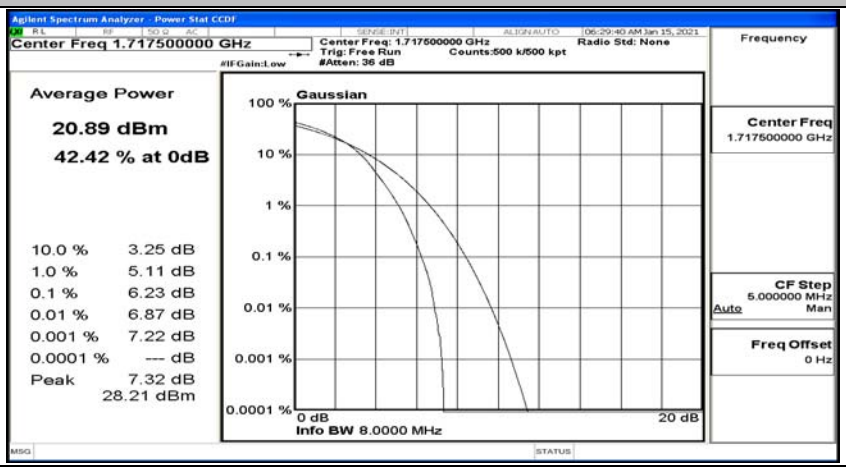
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



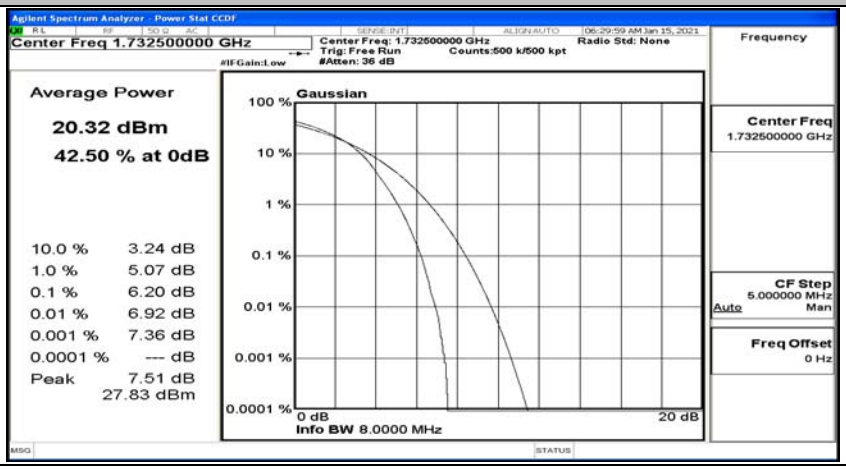
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



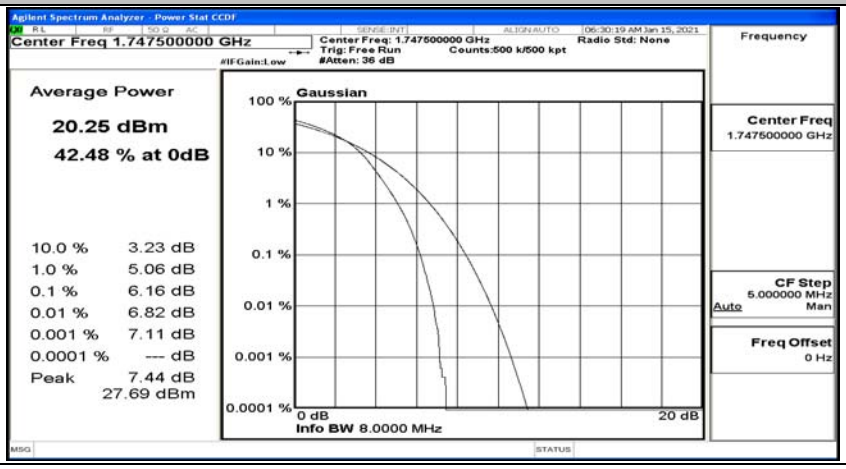
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



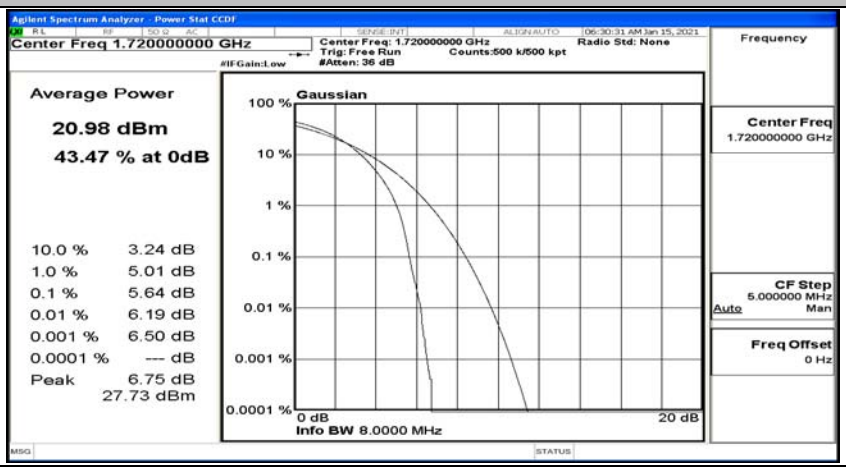
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



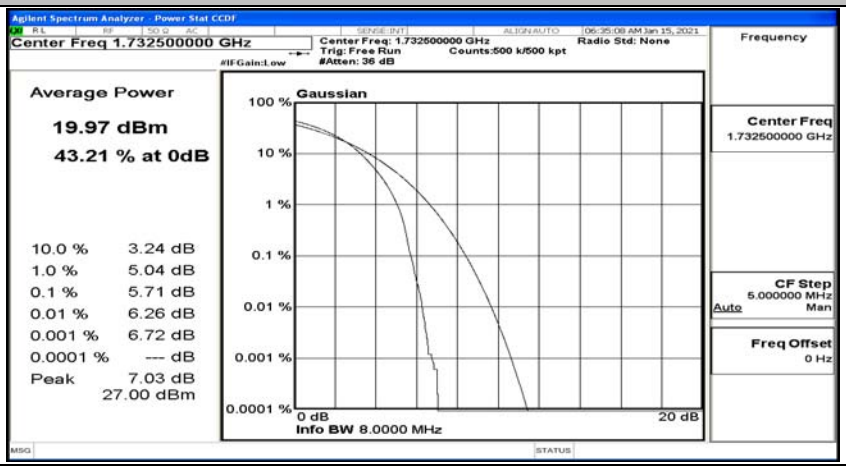
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



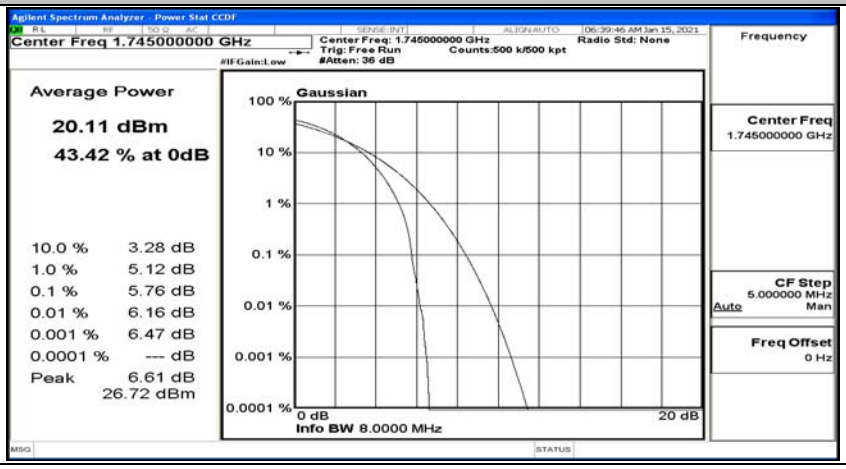
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



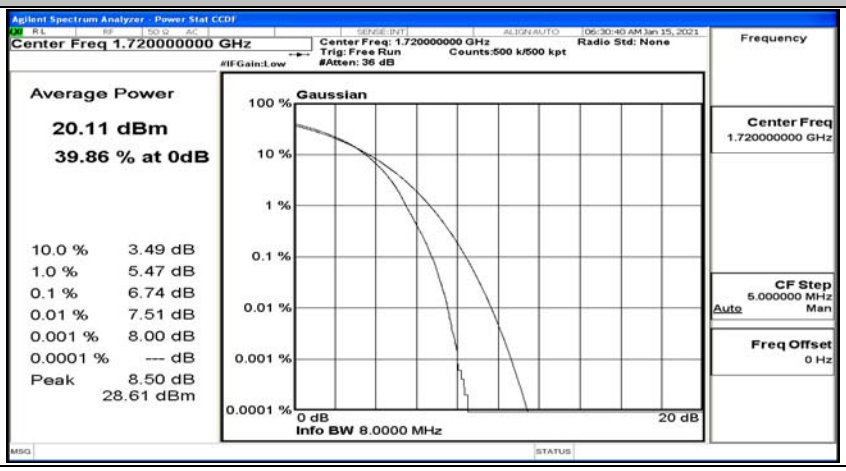
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



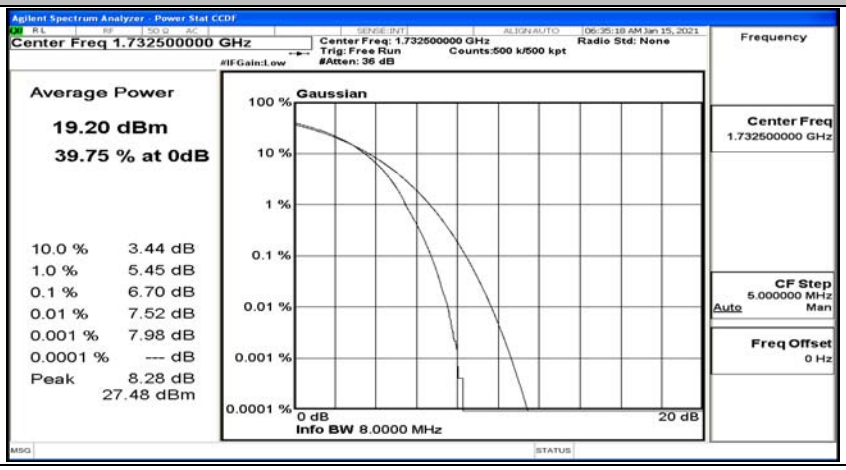
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



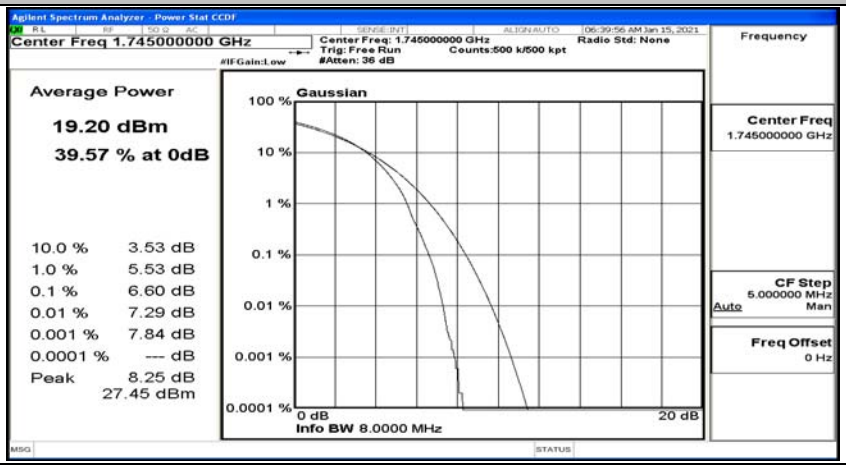
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



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



C.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 1.4 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	1.0787	1.229	PASS
	MCH	1.0771	1.222	PASS
	HCH	1.0776	1.238	PASS
16QAM	LCH	1.0814	1.234	PASS
	MCH	1.0801	1.236	PASS
	HCH	1.0784	1.245	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	5.9539	6.000	PASS
	MCH	2.6855	2.893	PASS
	HCH	2.6845	2.869	PASS
16QAM	LCH	2.6841	2.887	PASS
	MCH	2.6868	2.903	PASS
	HCH	2.6767	2.907	PASS

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4723	4.811	PASS
	MCH	4.4700	4.837	PASS
	HCH	4.4780	4.793	PASS
16QAM	LCH	4.4780	4.793	PASS
	MCH	4.4756	4.758	PASS
	HCH	4.4804	4.786	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9375	9.431	PASS
	MCH	8.9209	9.441	PASS
	HCH	8.9223	9.423	PASS
16QAM	LCH	8.9320	9.487	PASS
	MCH	8.9320	9.487	PASS
	HCH	8.9389	9.496	PASS

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EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.365	13.94	PASS
	MCH	13.376	13.97	PASS
	HCH	13.393	14.07	PASS
16QAM	LCH	13.368	13.92	PASS
	MCH	13.385	14.02	PASS
	HCH	13.402	14.05	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.778	18.52	PASS
	MCH	17.835	18.58	PASS
	HCH	17.840	18.60	PASS
16QAM	LCH	17.805	18.52	PASS
	MCH	17.846	18.64	PASS
	HCH	17.812	18.56	PASS

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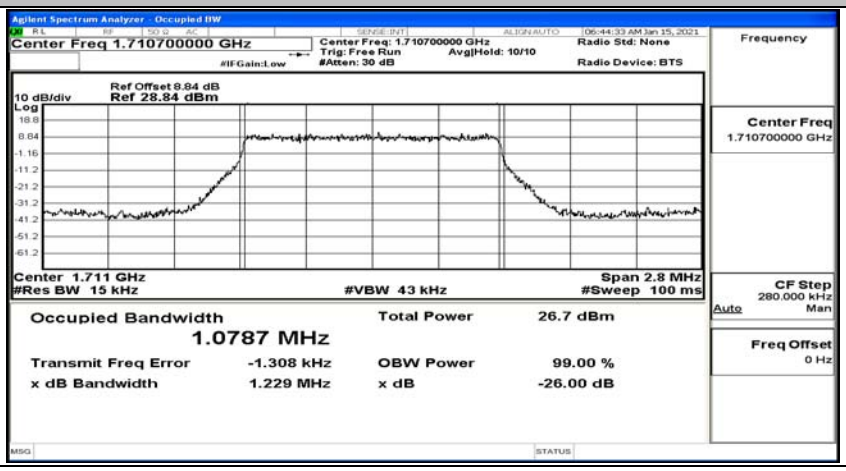
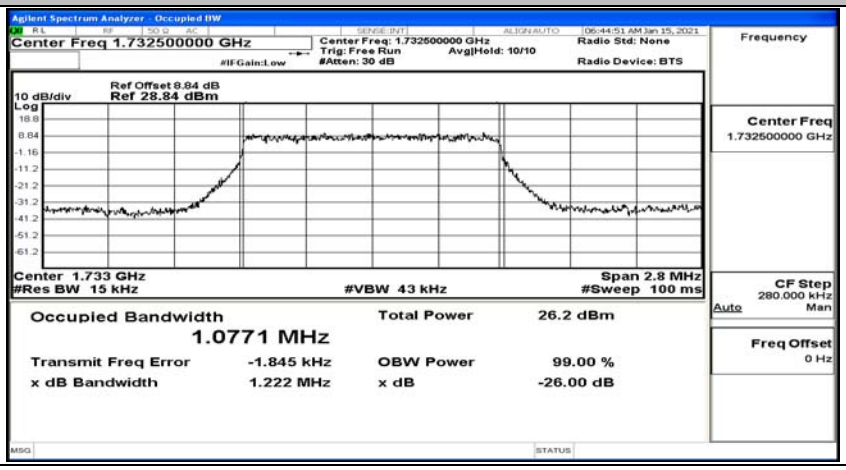
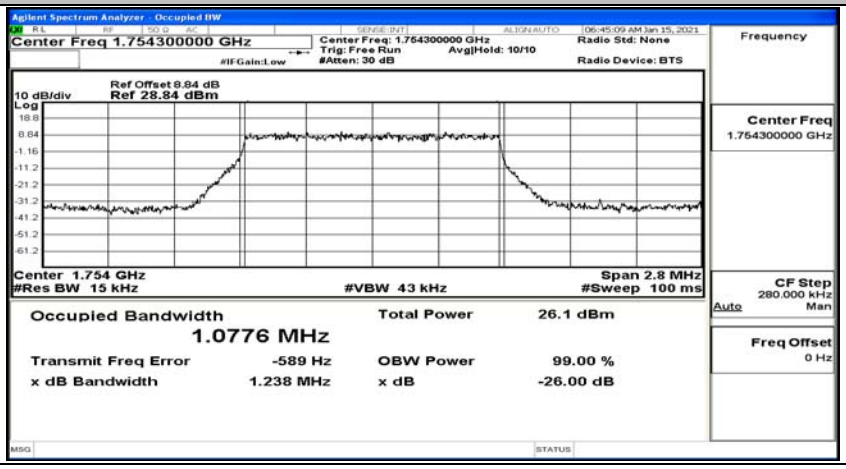
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



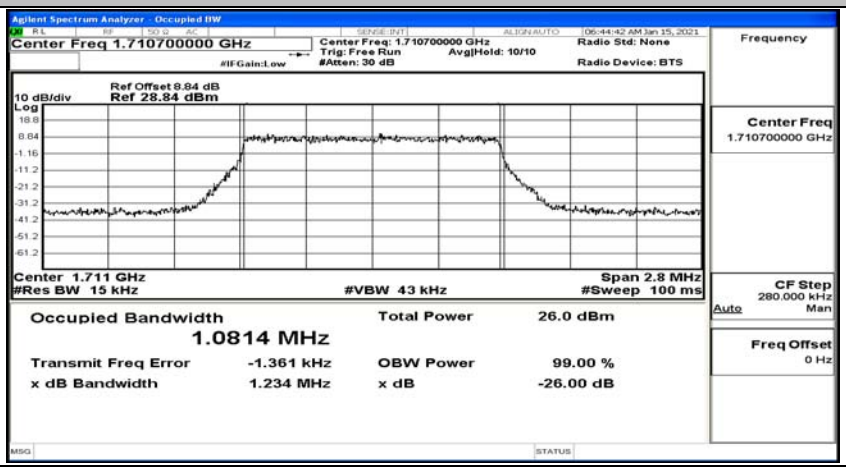
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



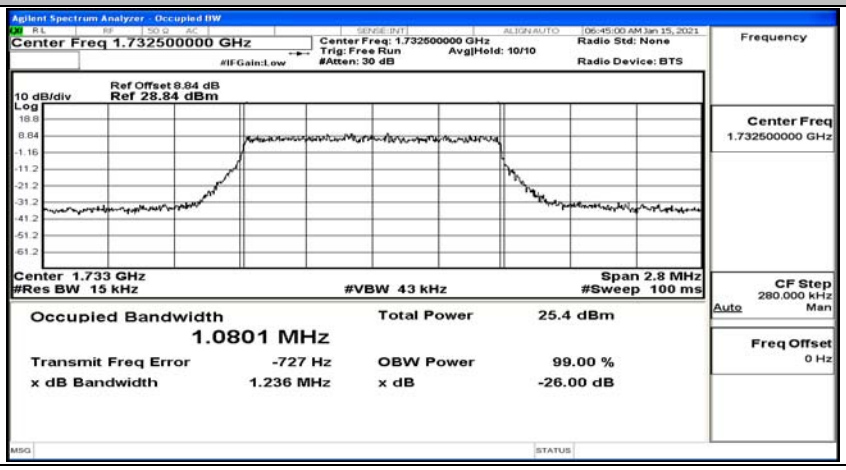
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



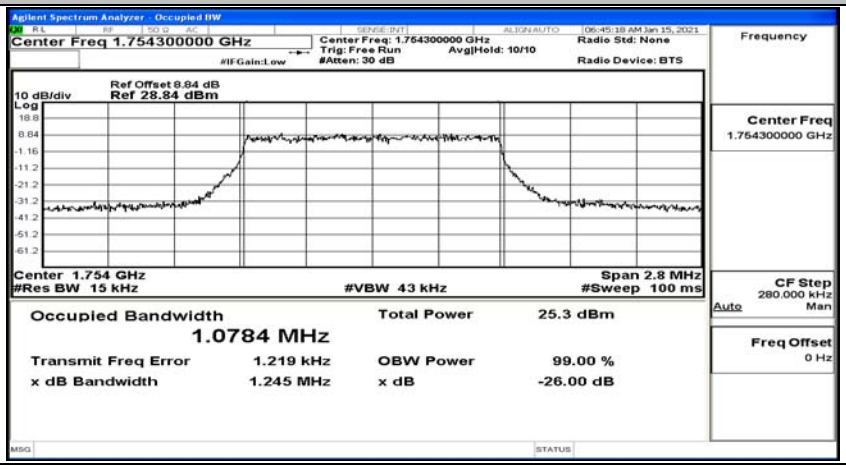
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



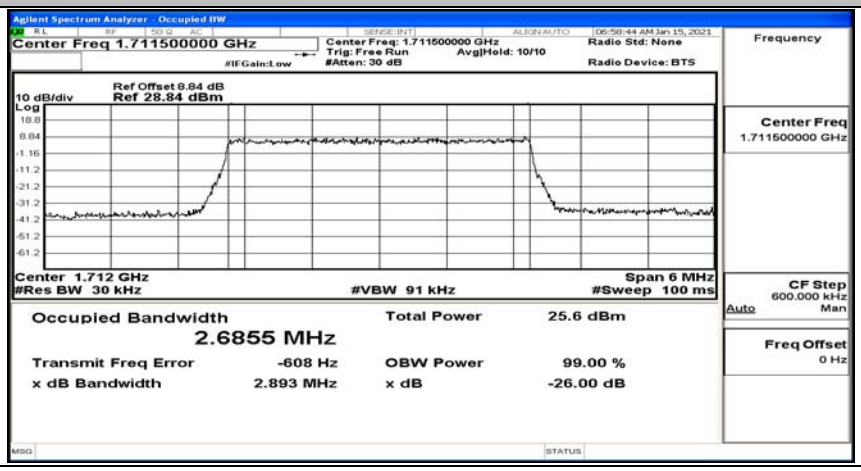
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



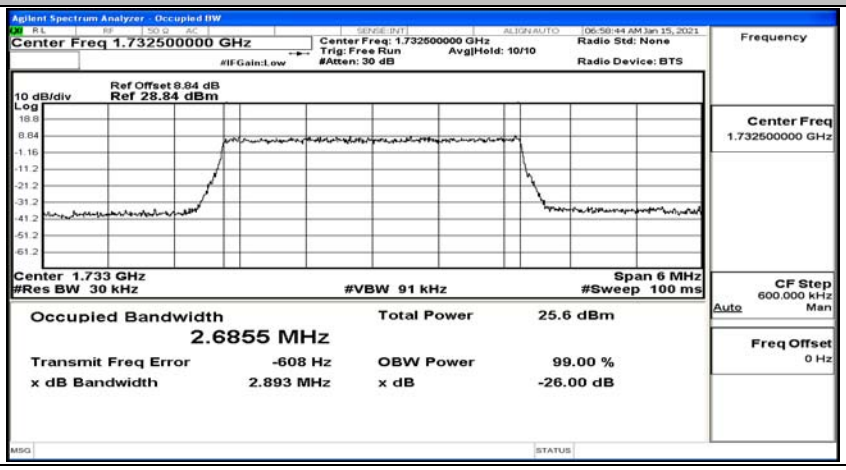
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



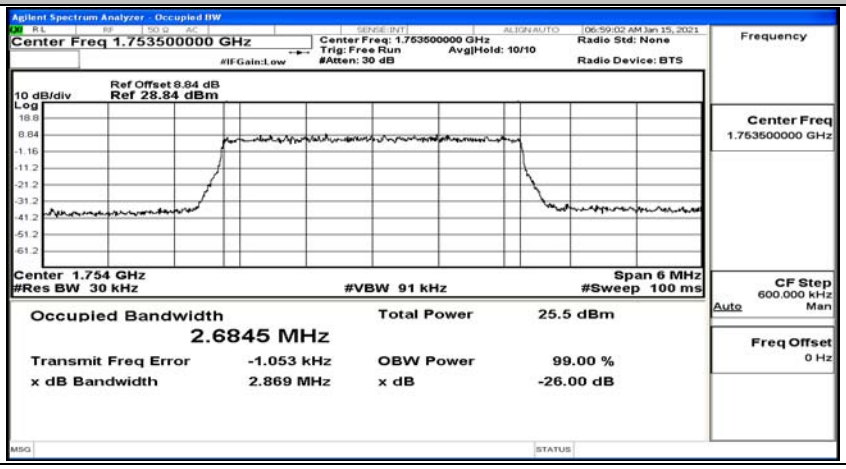
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



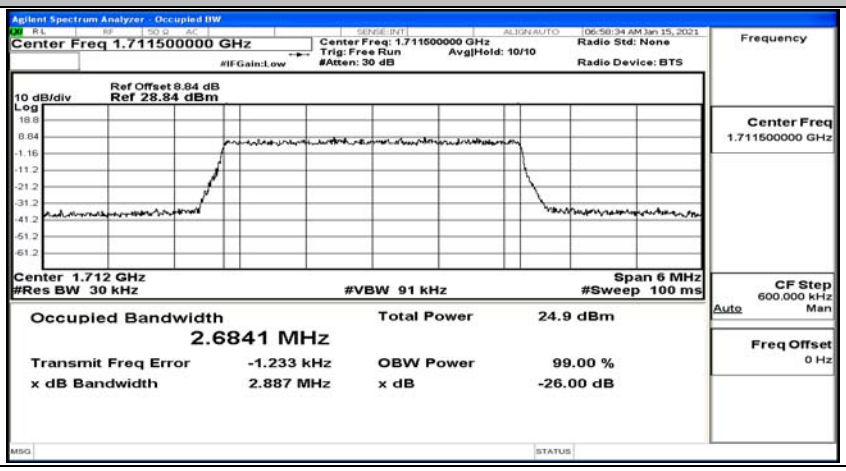
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



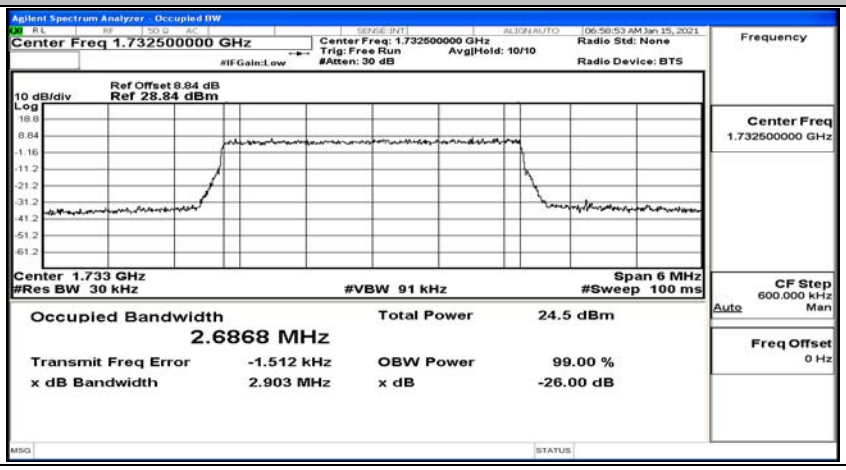
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



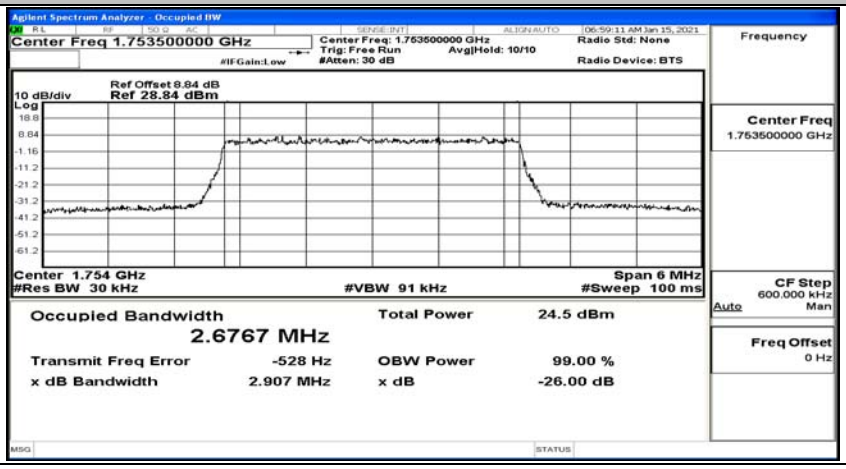
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



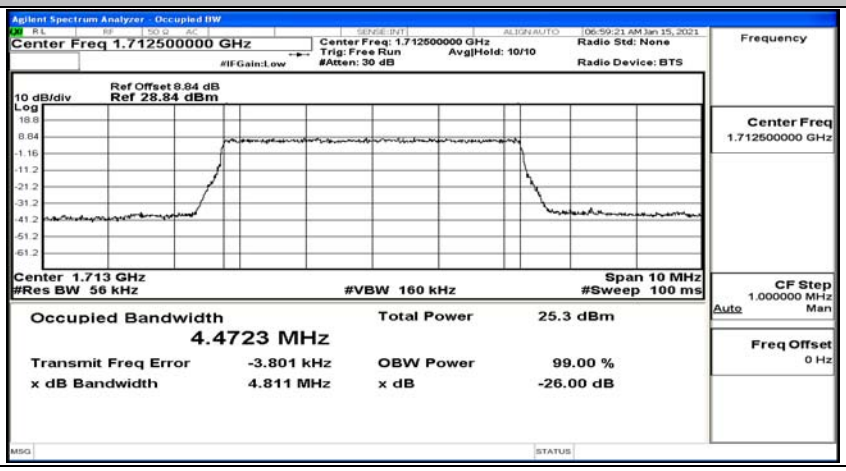
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



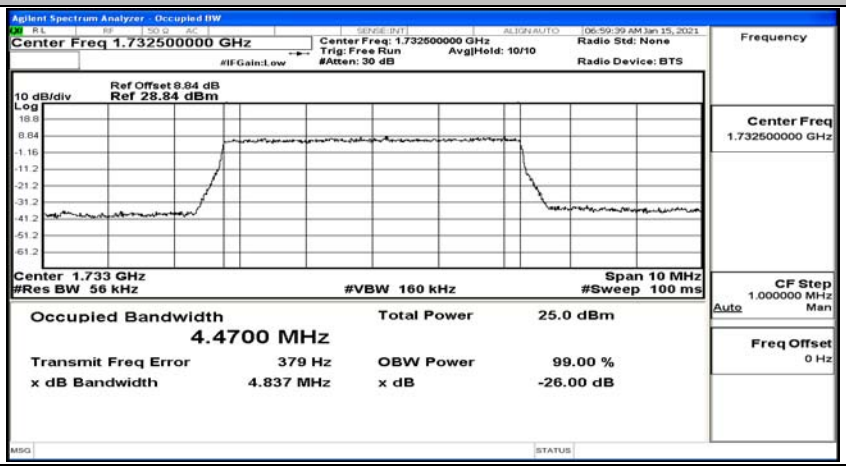
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



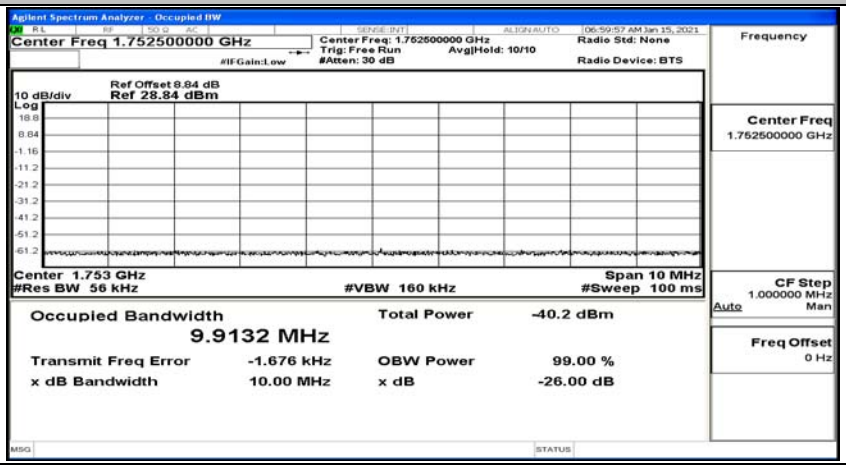
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



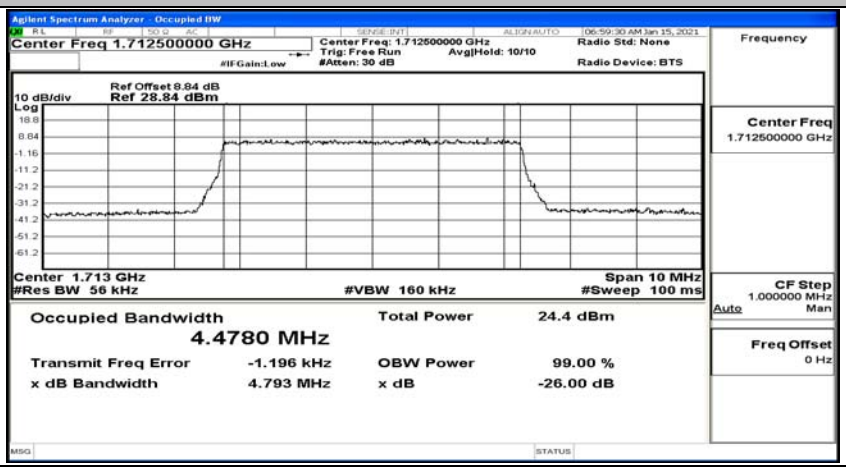
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



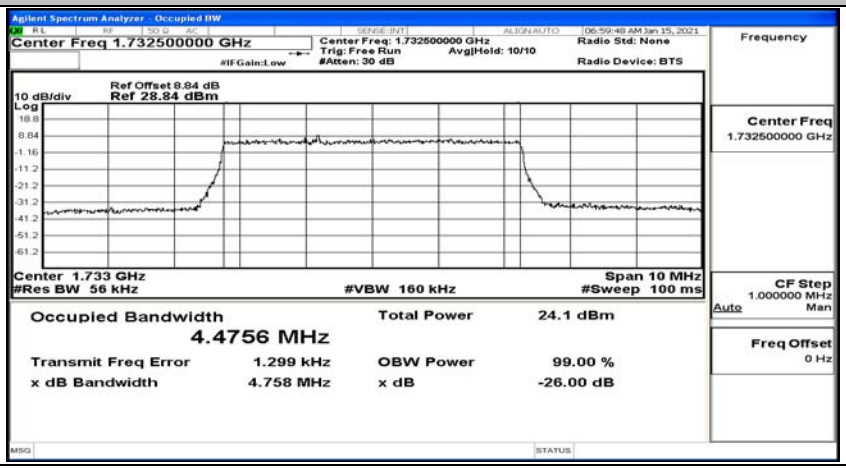
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



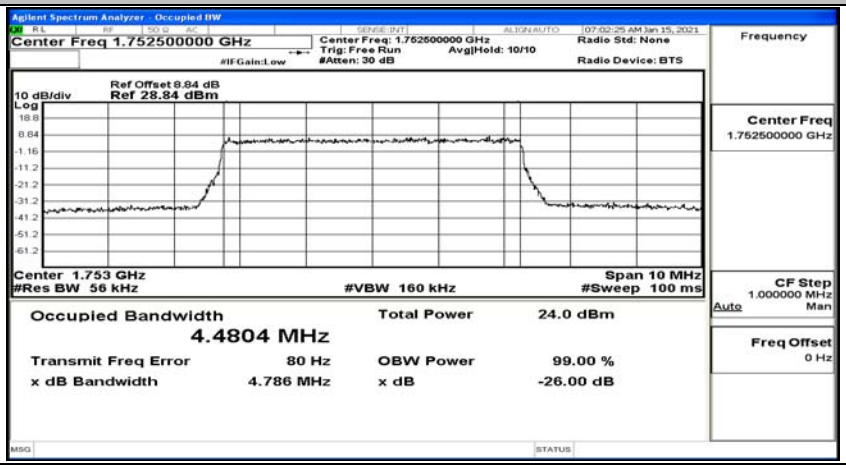
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



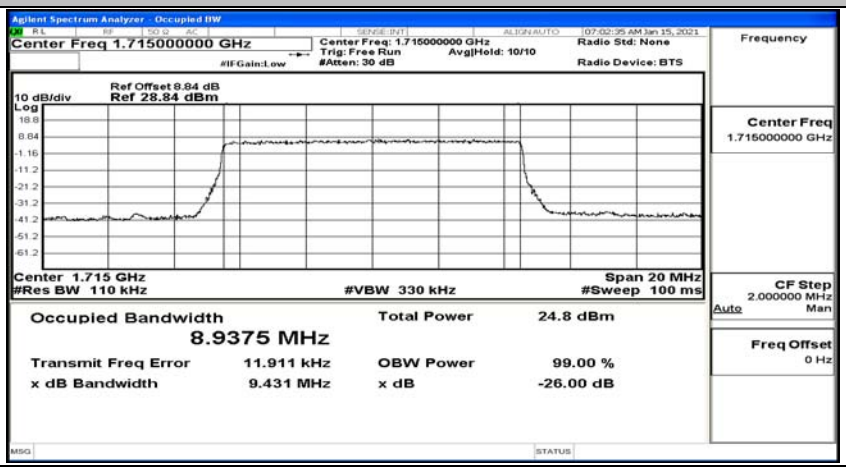
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



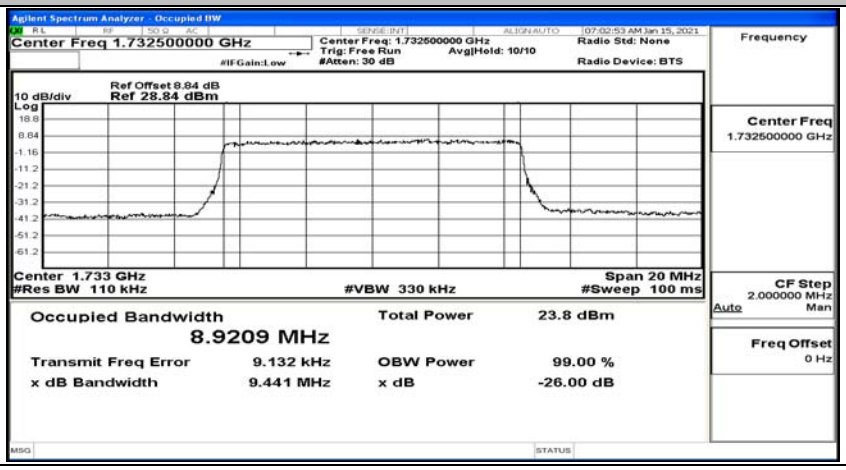
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



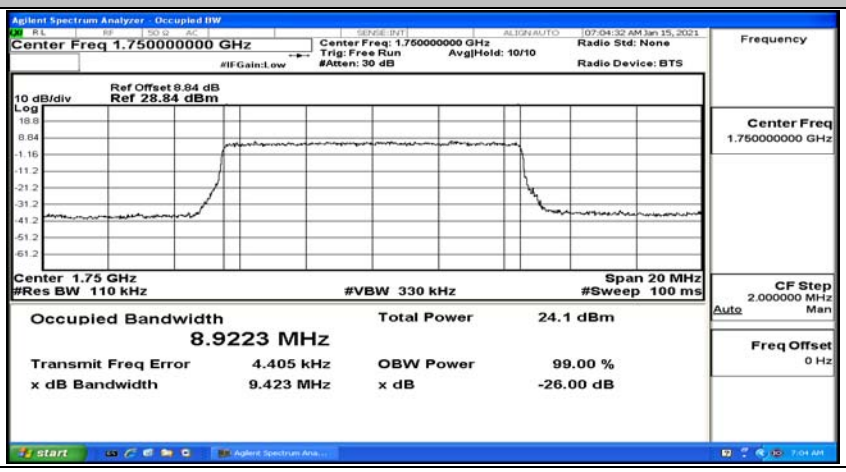
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



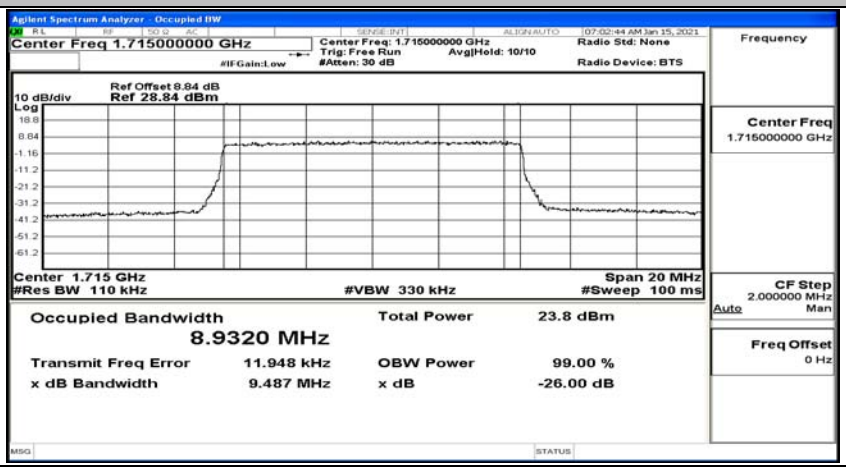
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



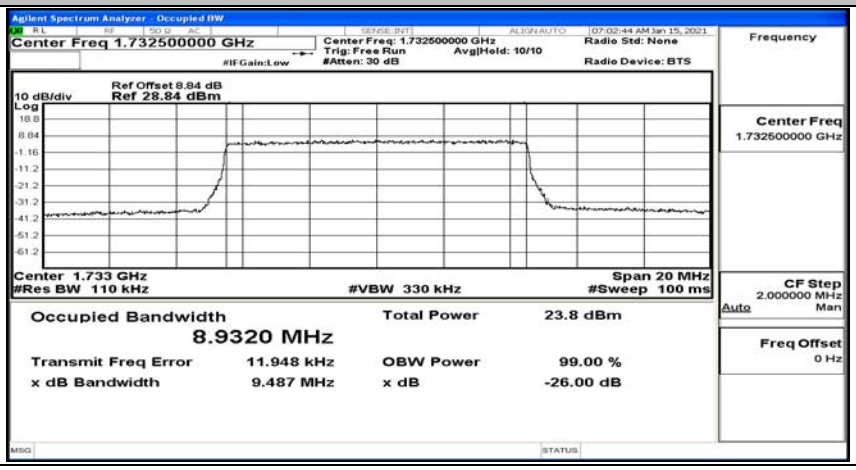
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



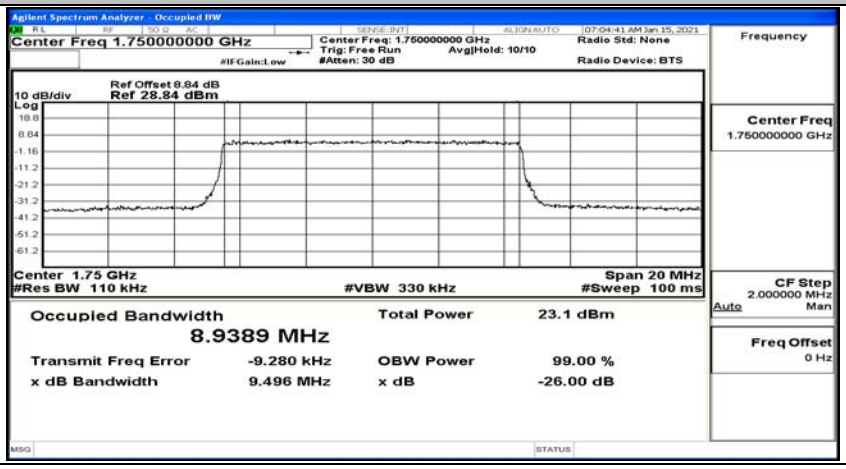
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



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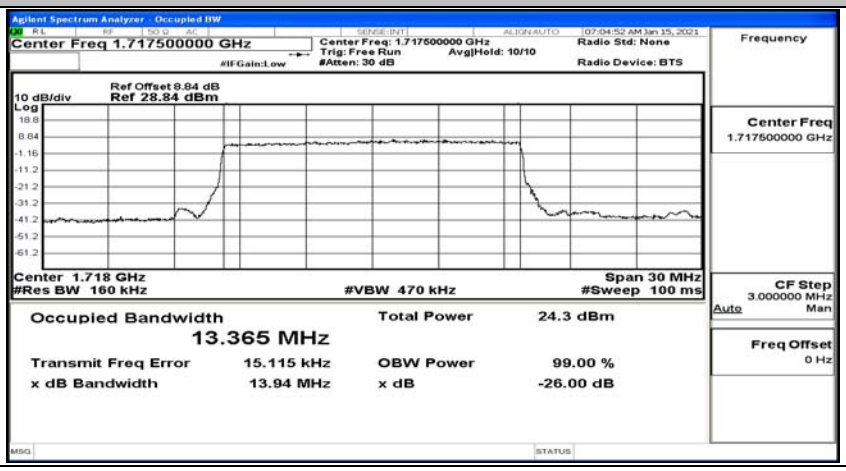
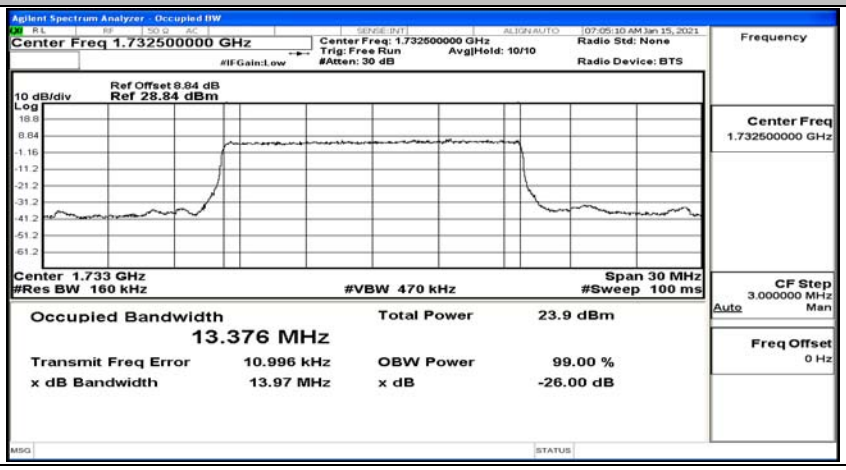
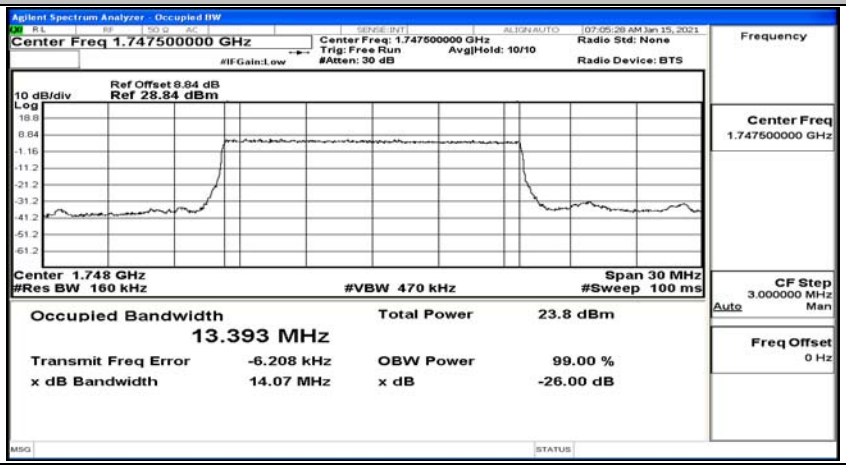
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



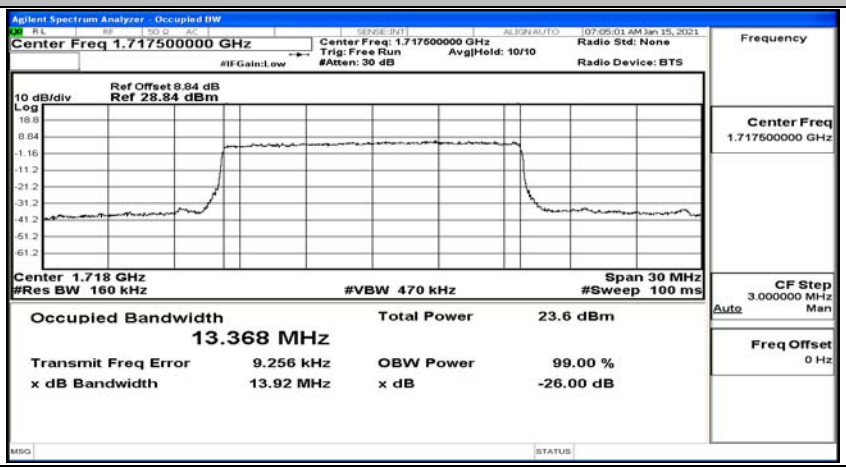
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



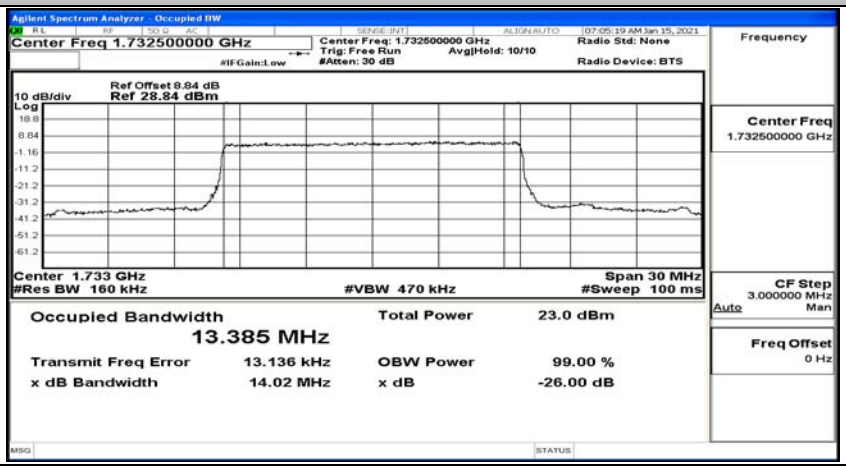
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



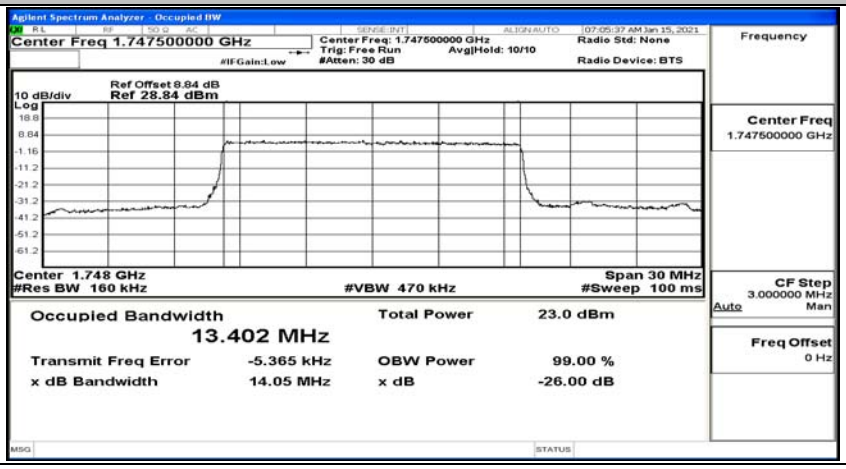
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



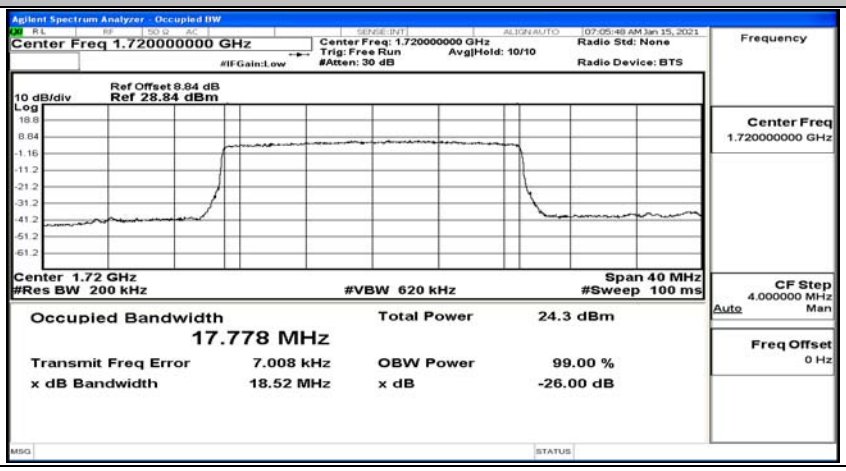
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



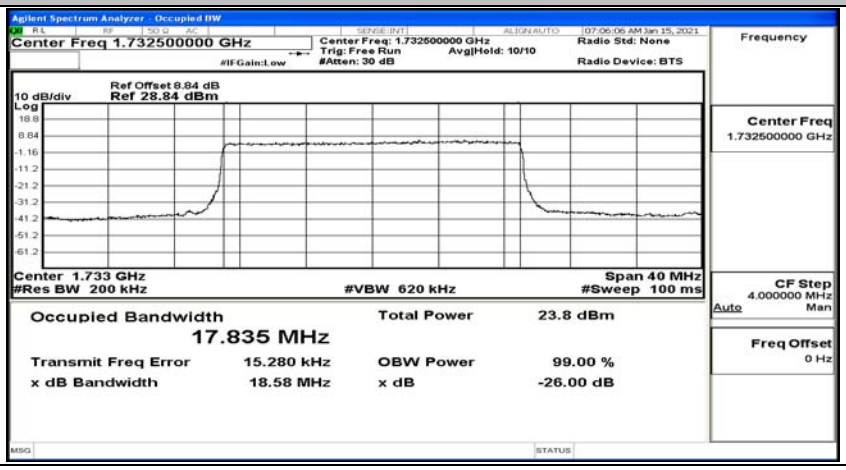
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



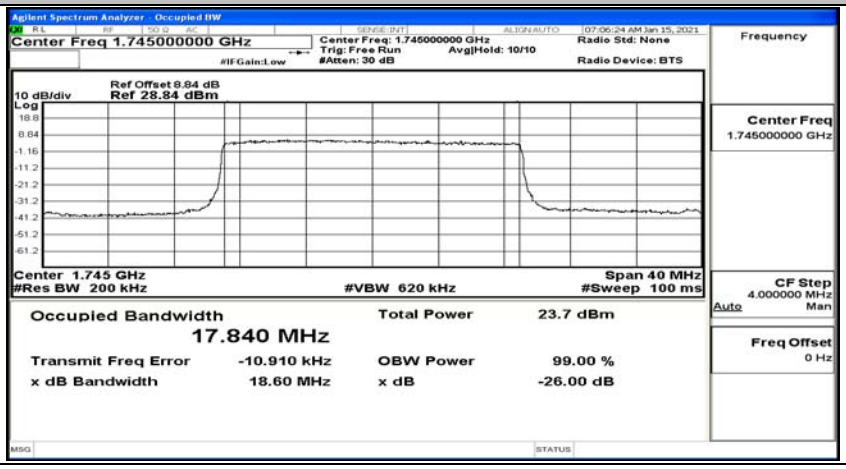
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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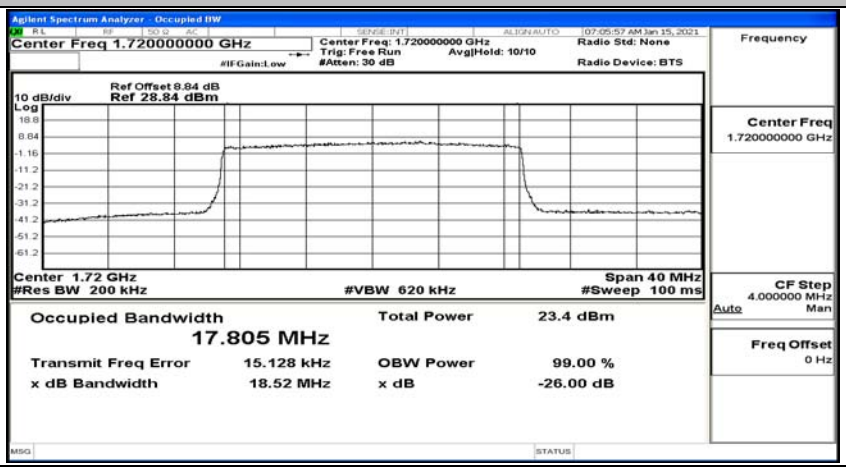
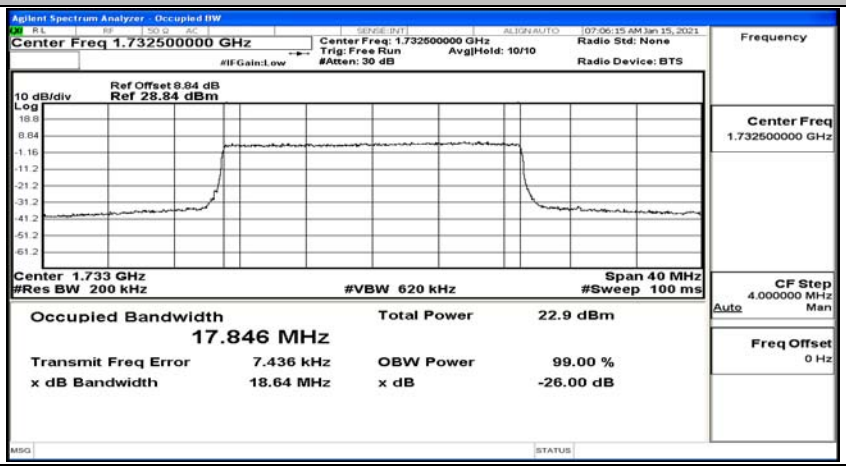
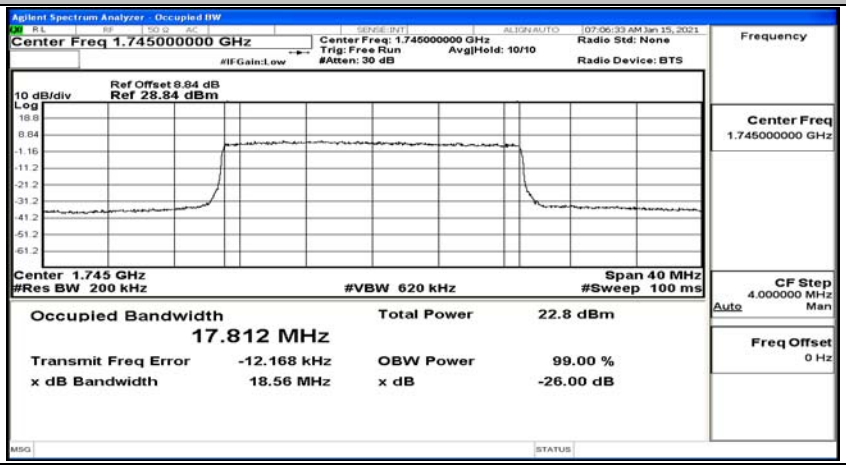
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_16QAM



EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



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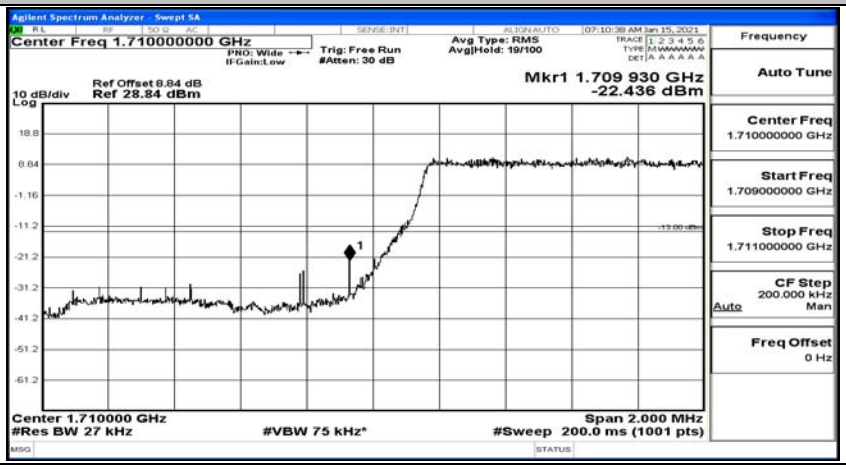
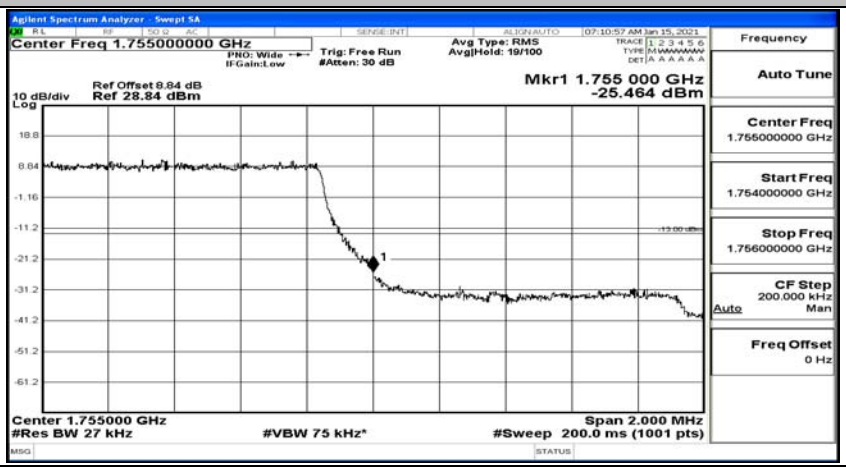
C.4 Band Edge

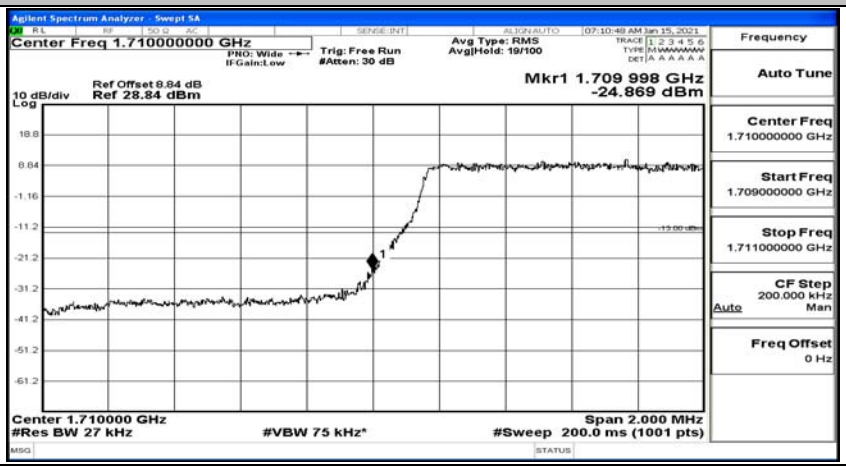
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



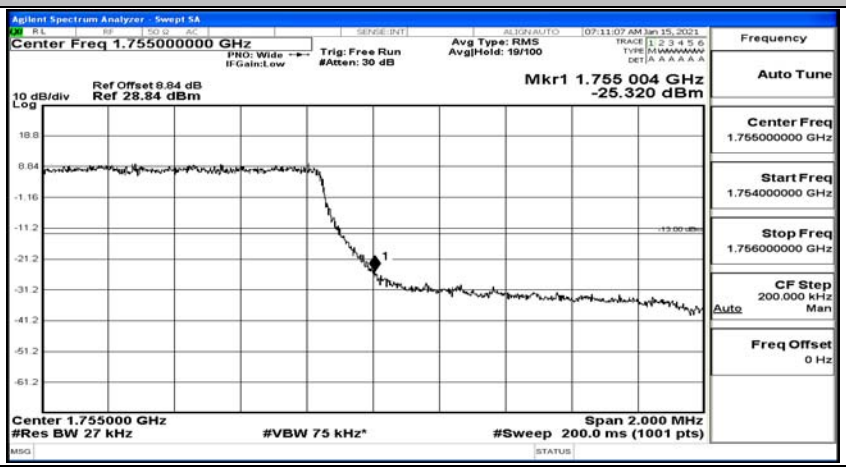
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM

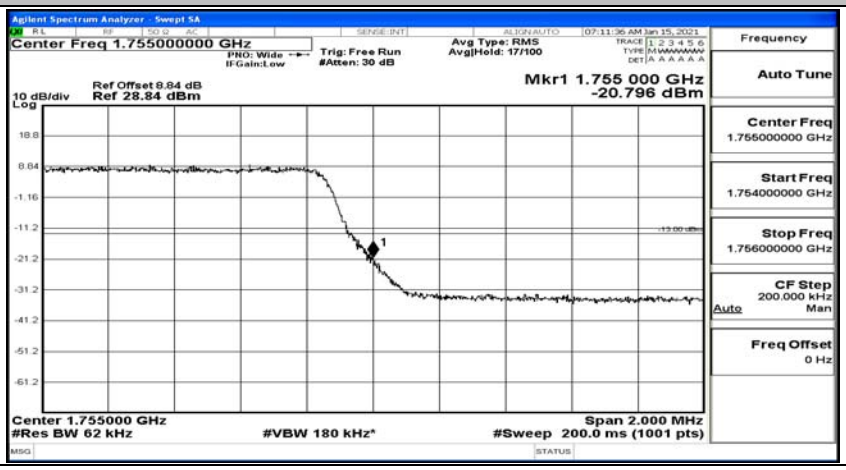


Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM

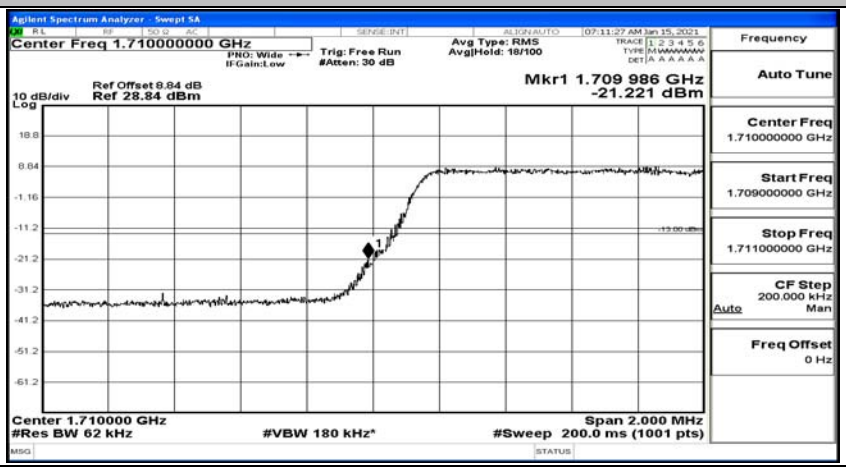


Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK
#Img-QPSK-L-3-F-L-BE

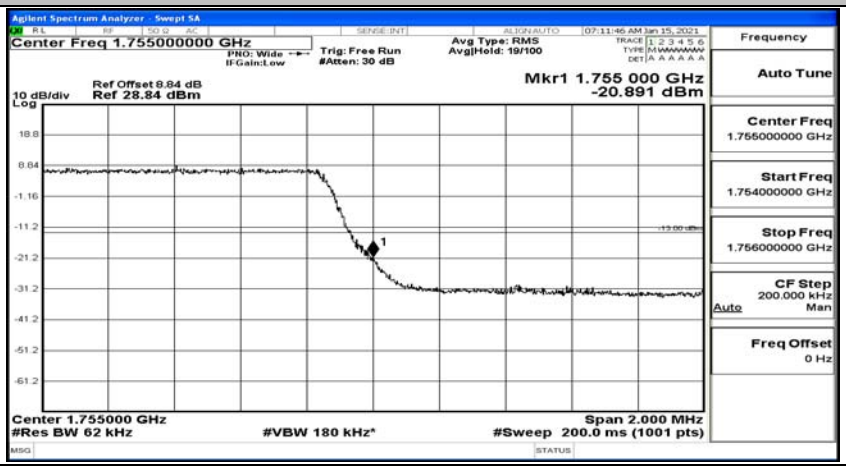
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



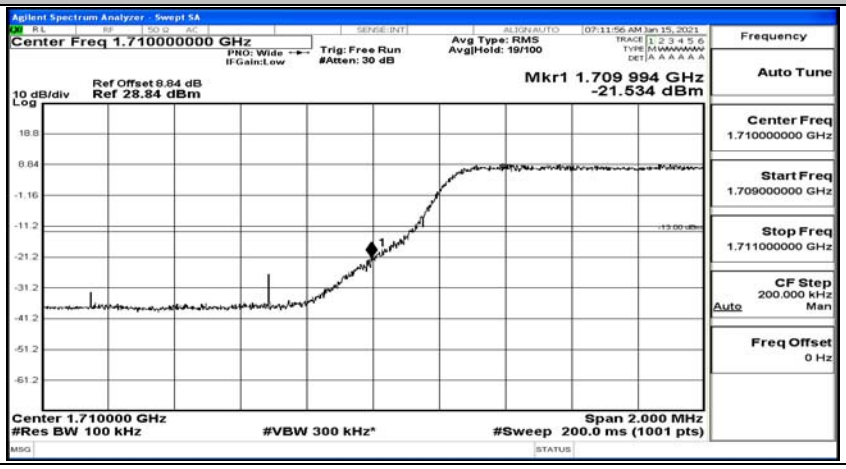
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



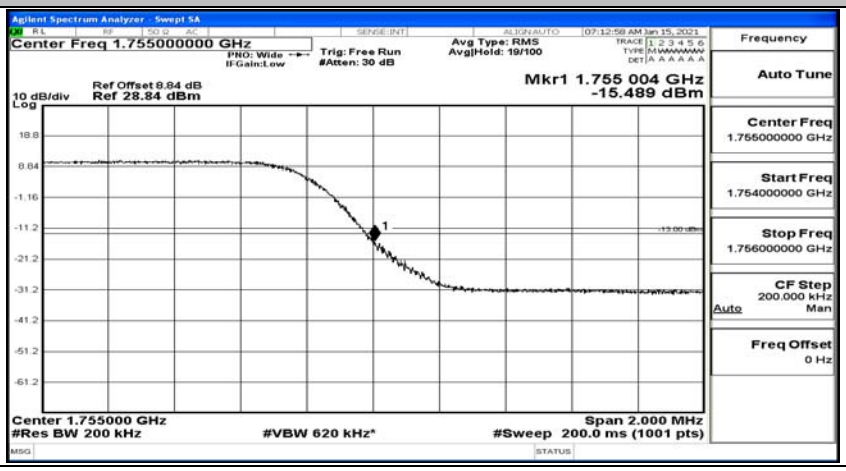
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



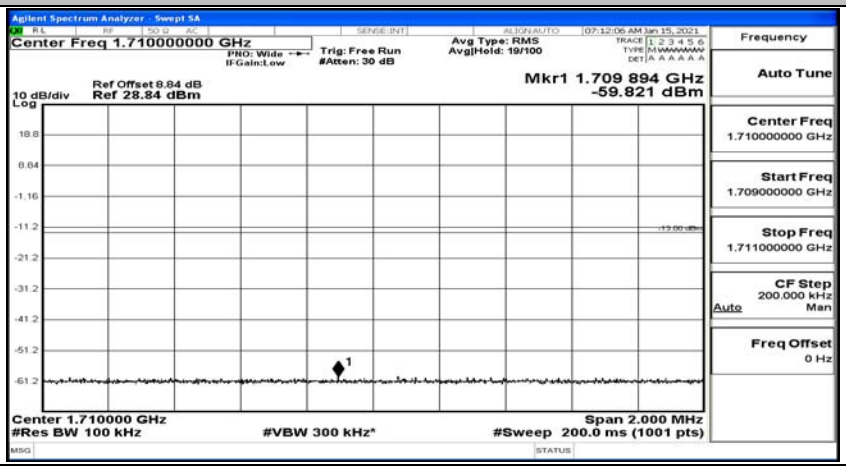
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



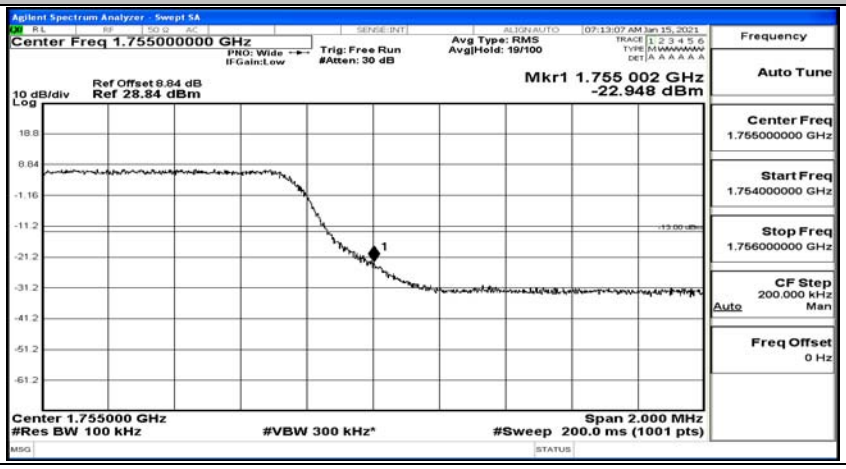
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



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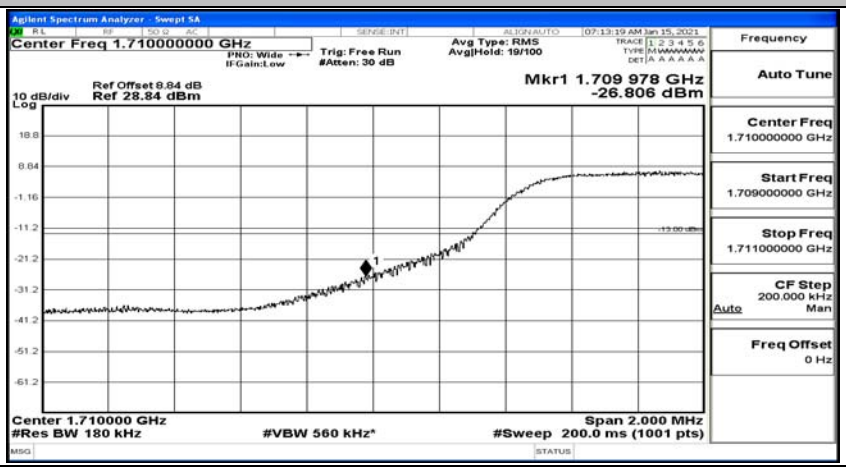
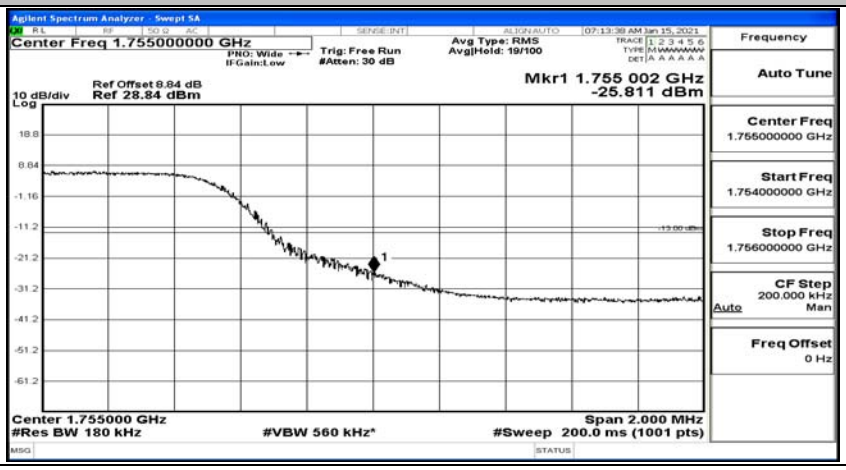
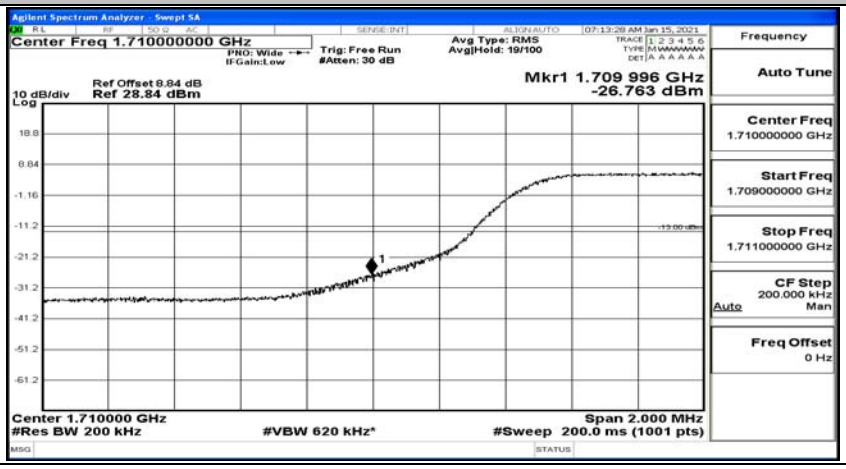
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



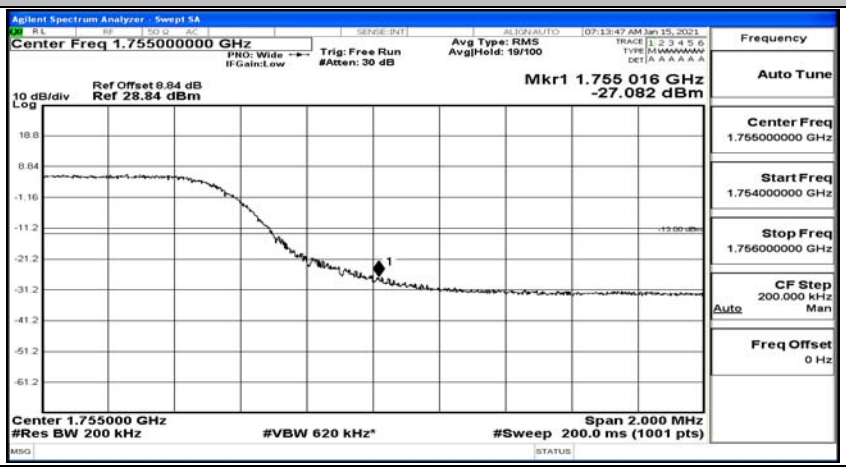
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



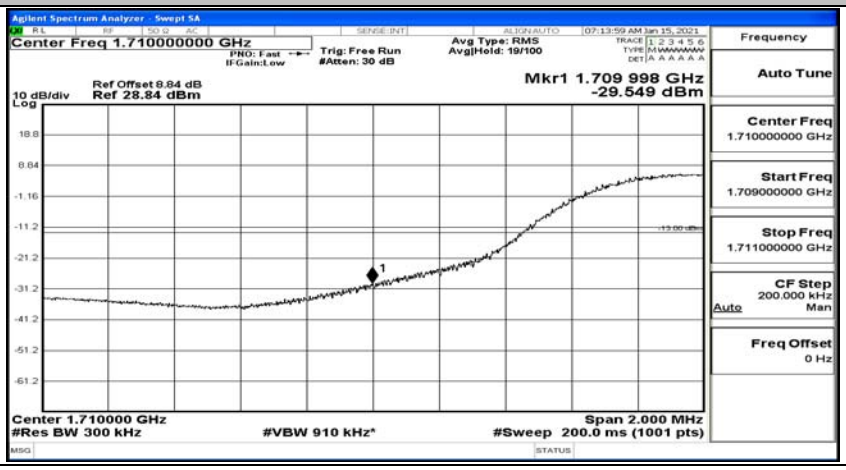
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



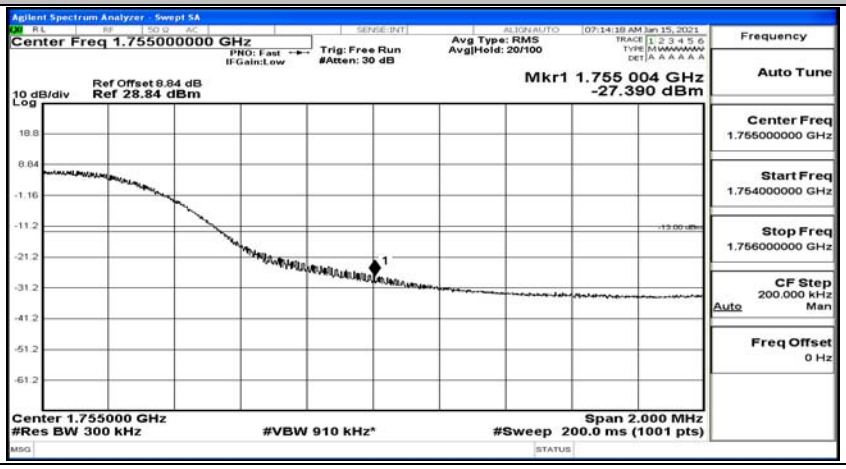
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



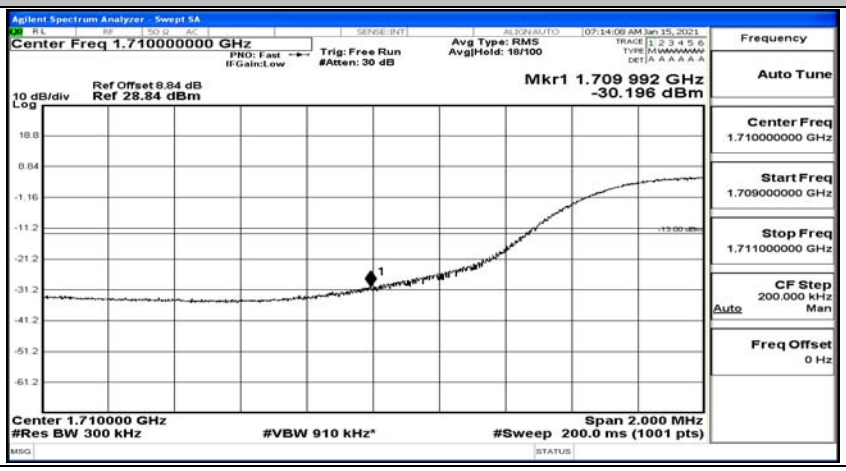
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



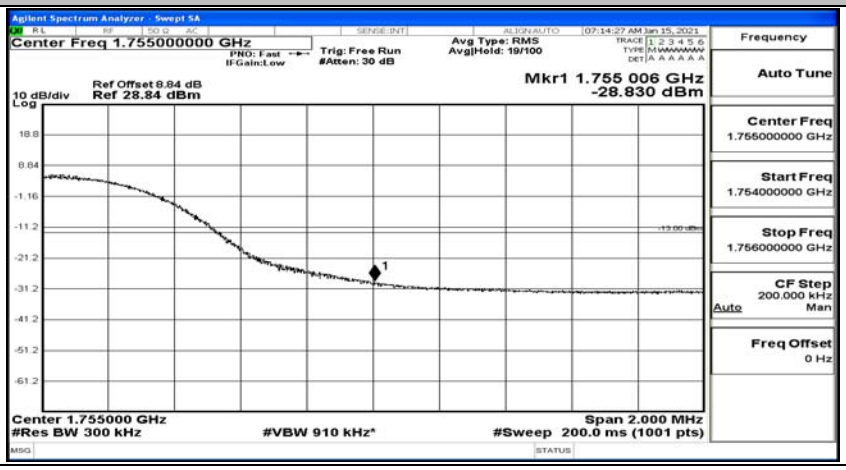
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



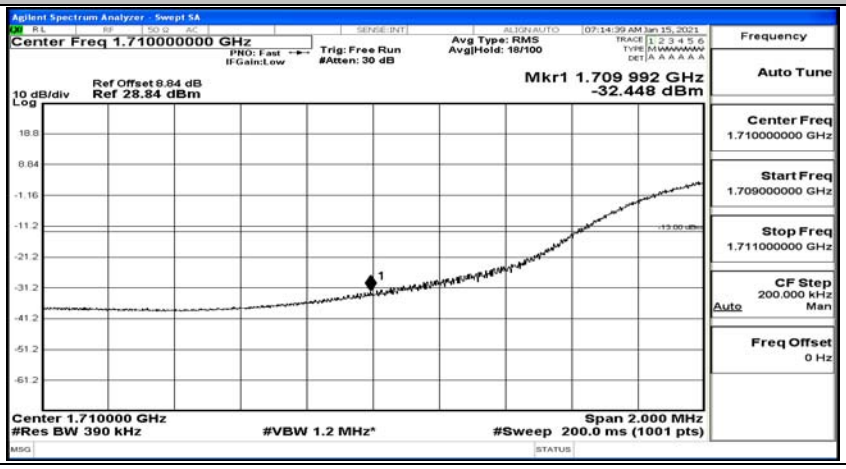
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



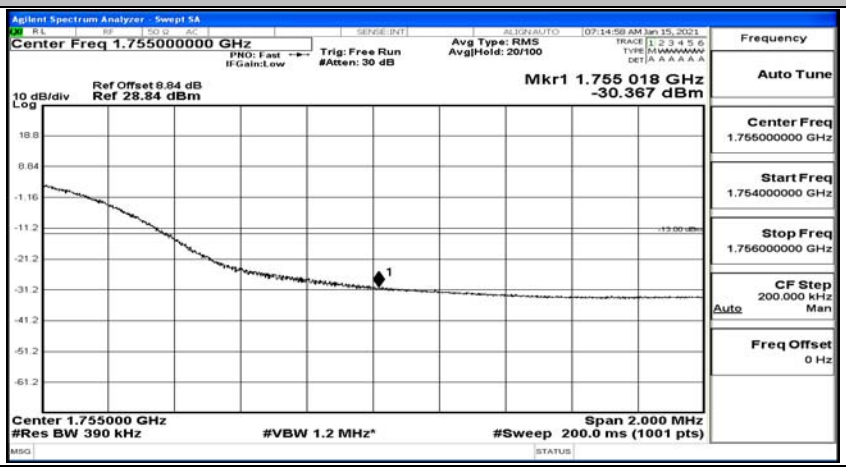
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



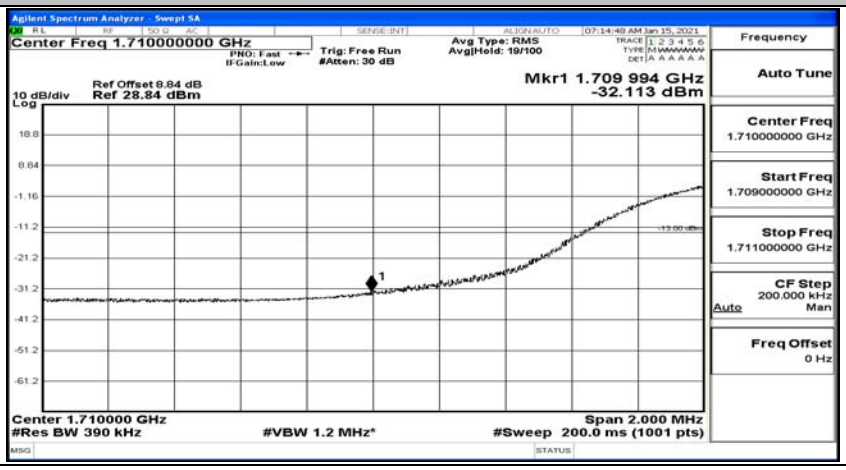
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



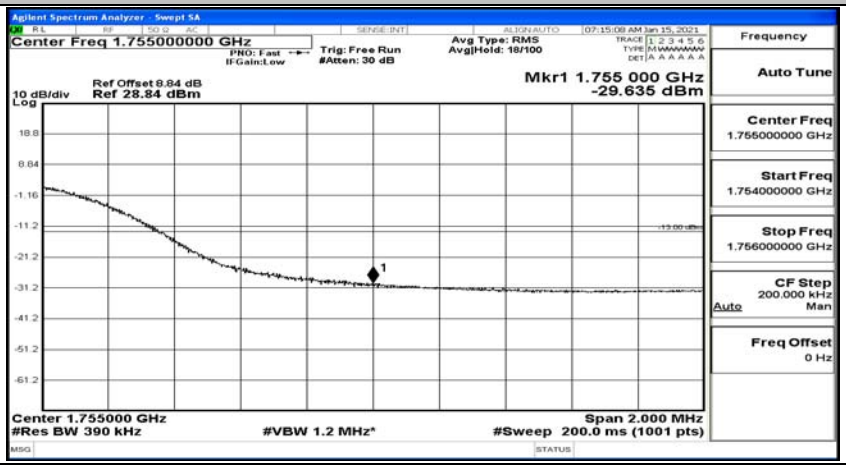
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM

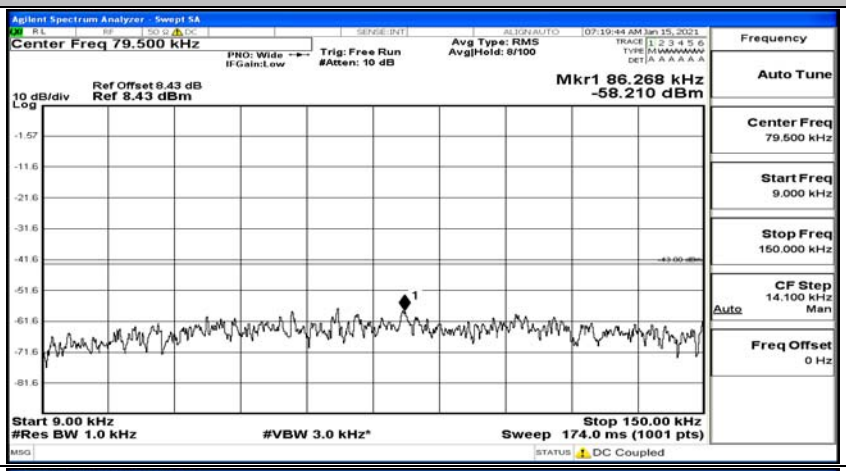
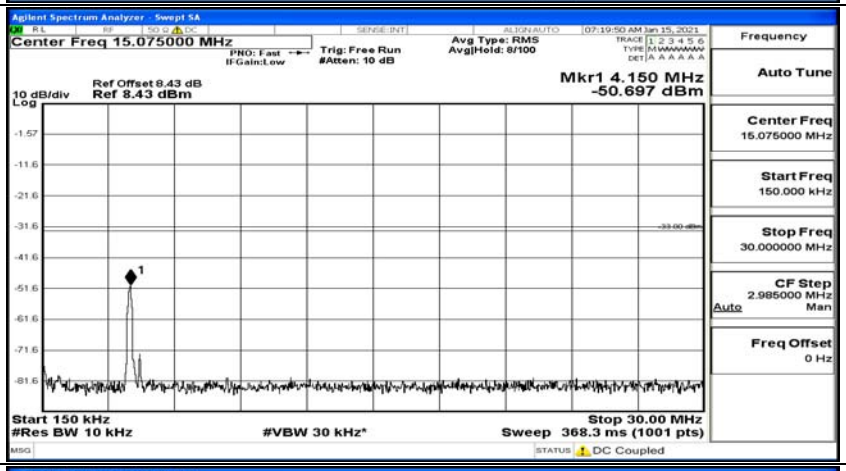


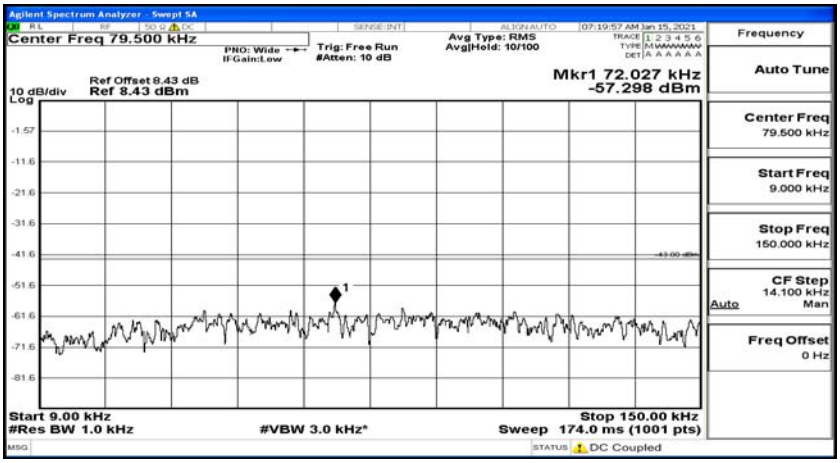
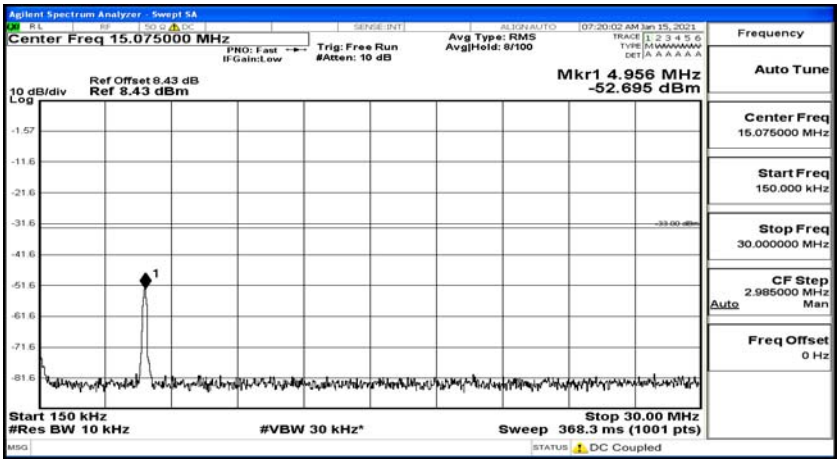
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM

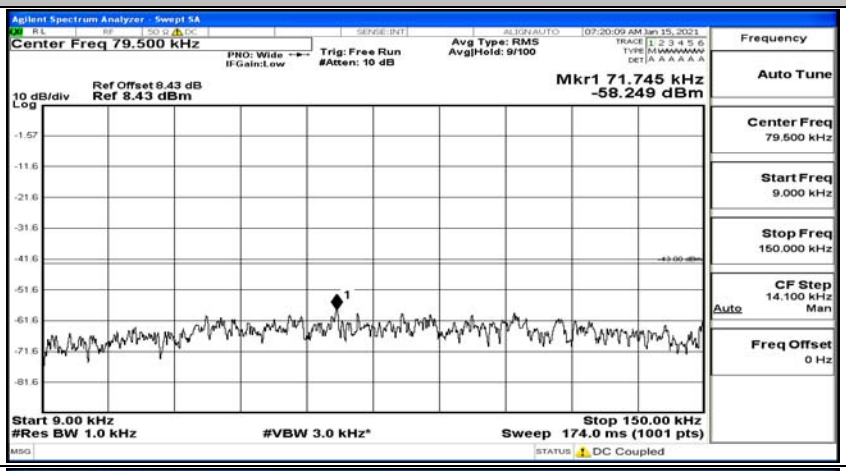
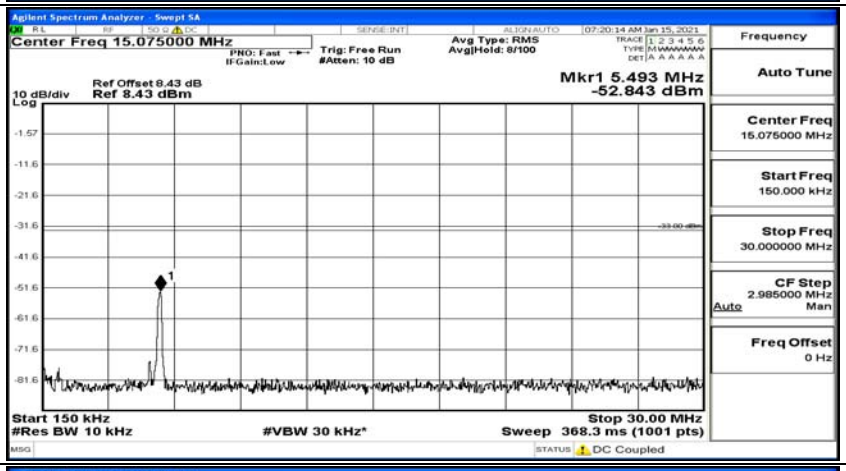


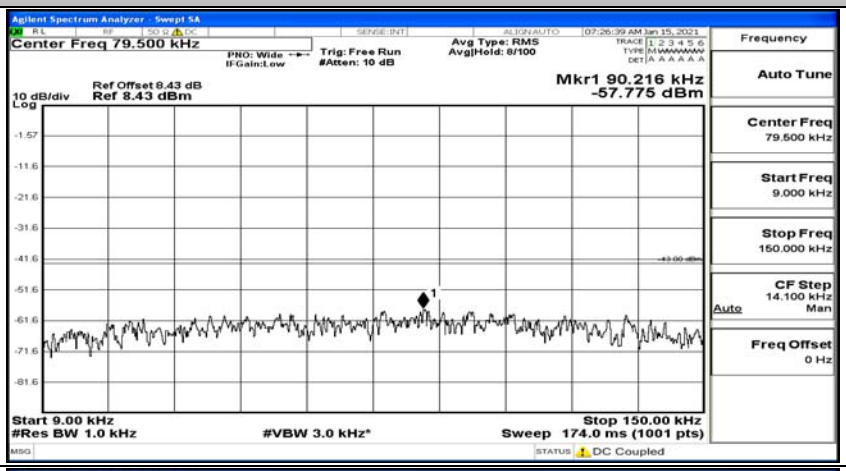
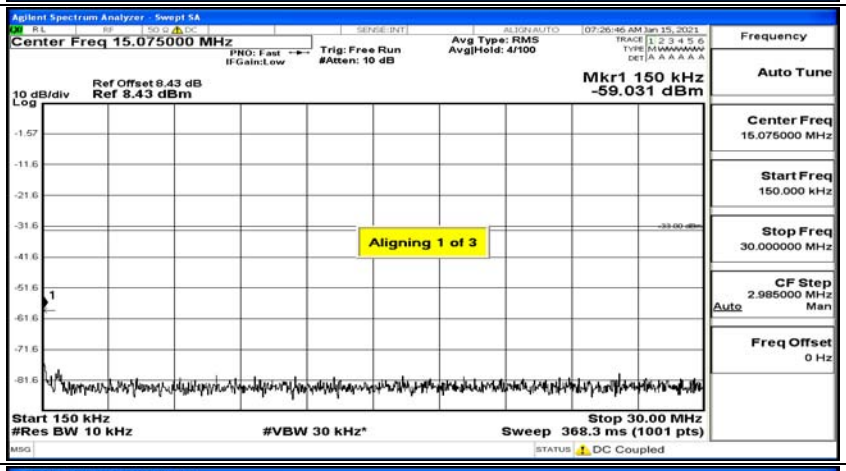
C.5 Conducted Spurious Emission

Channel Bandwidth: 1.4 MHz

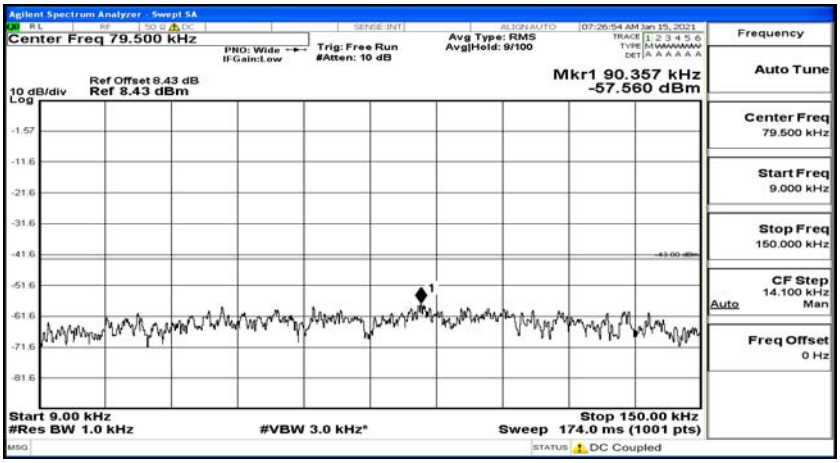
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



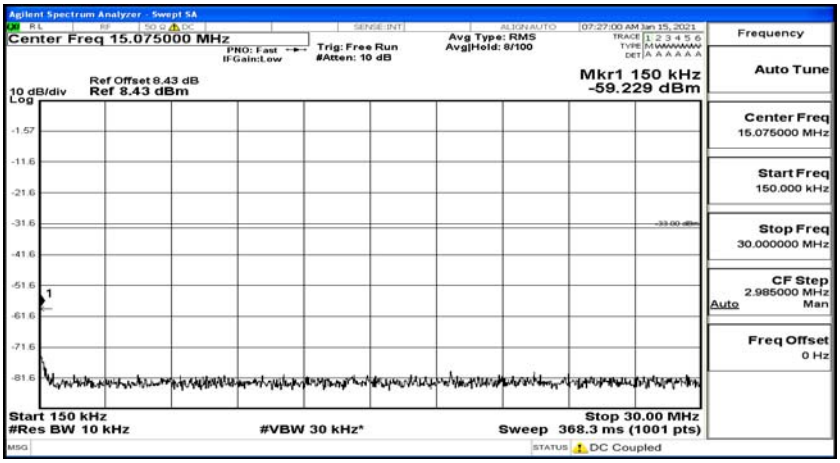
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



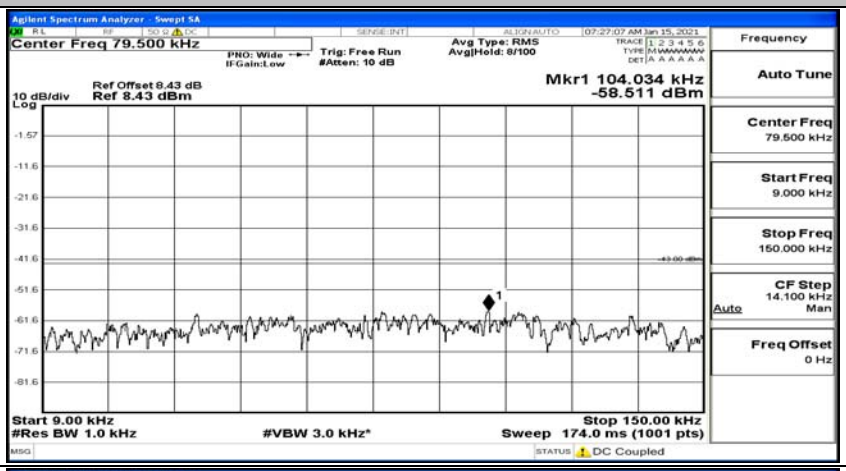
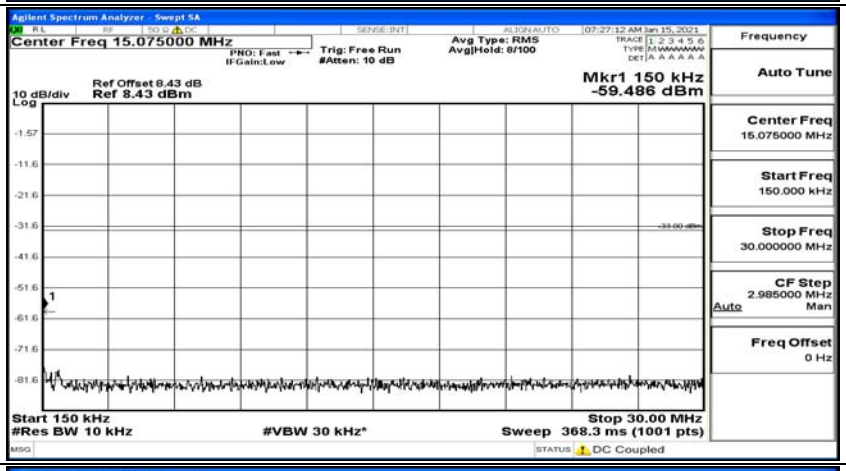
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



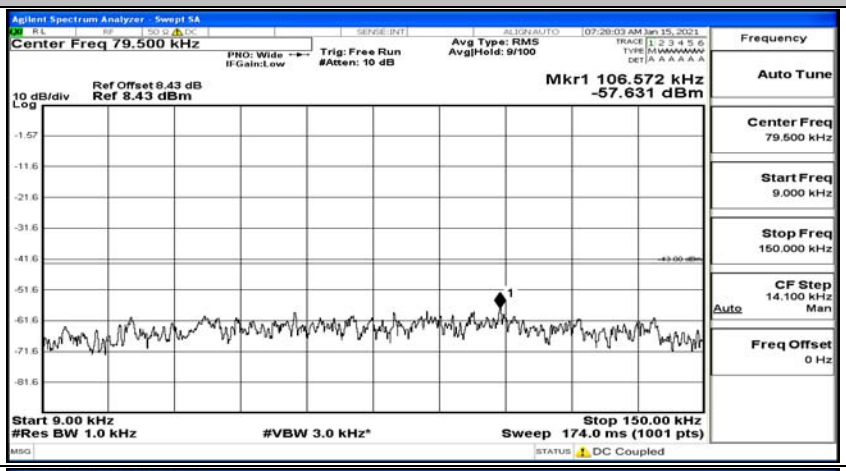
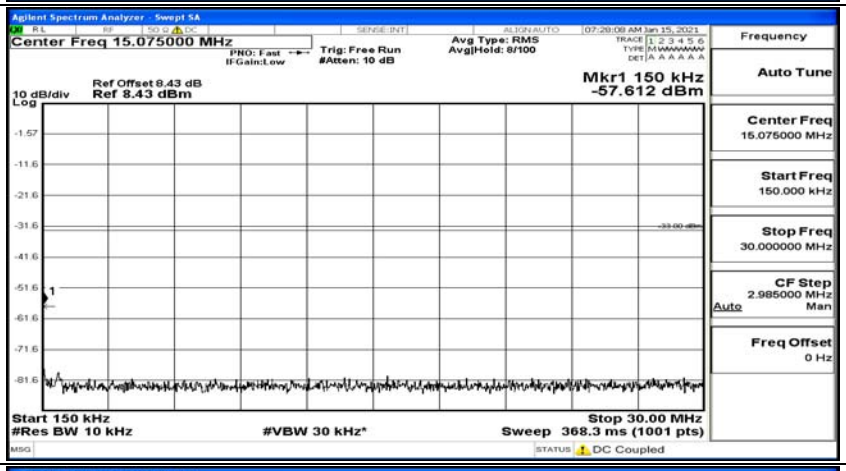
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



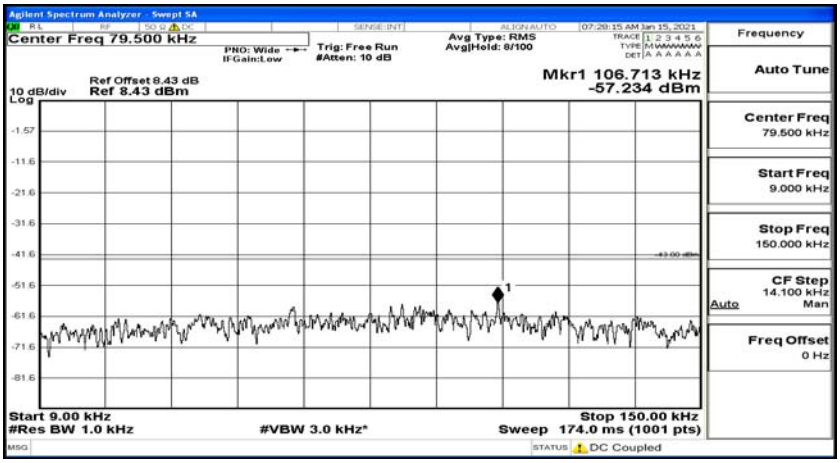
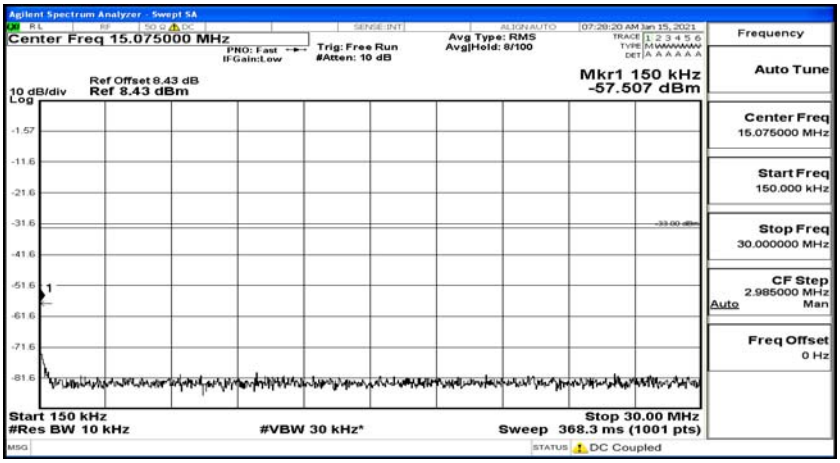
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



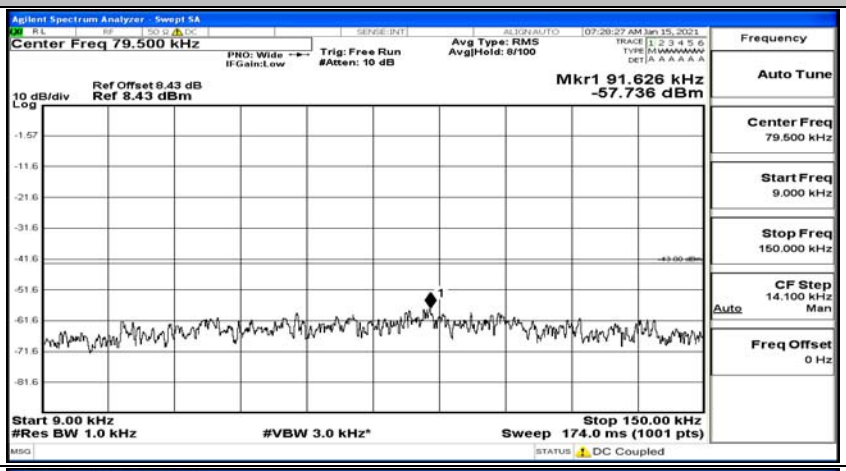


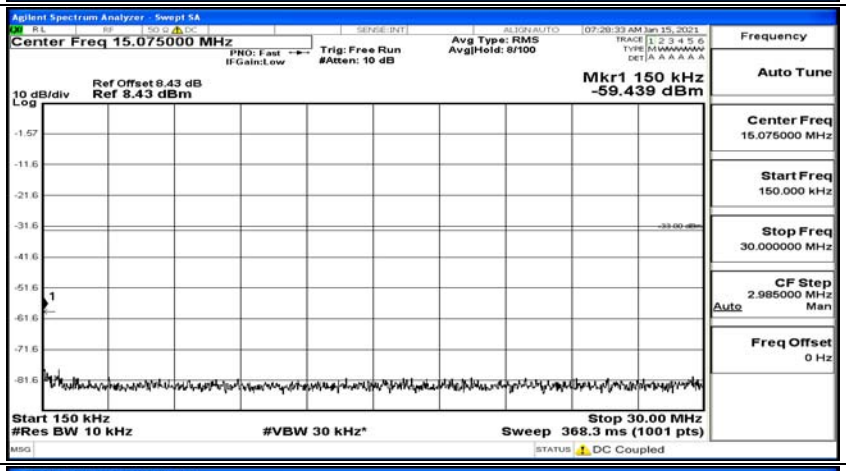
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



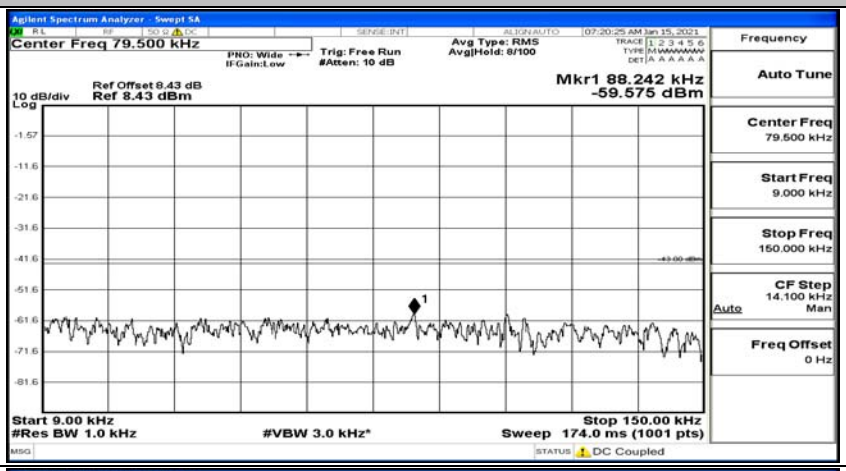
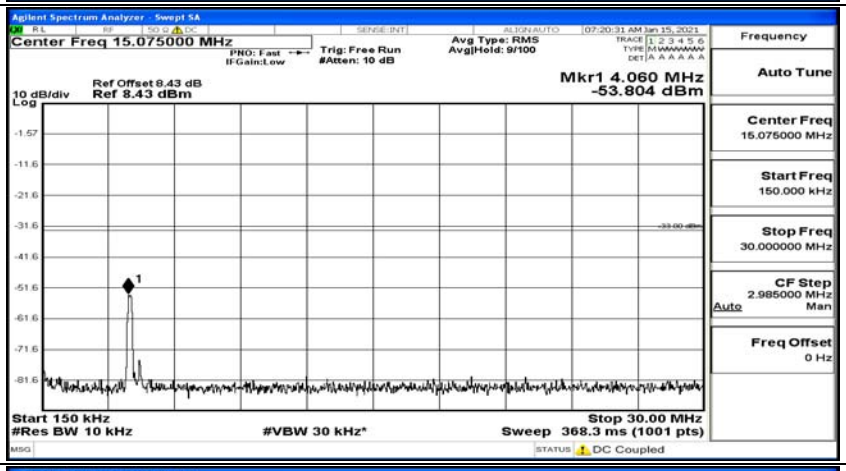
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



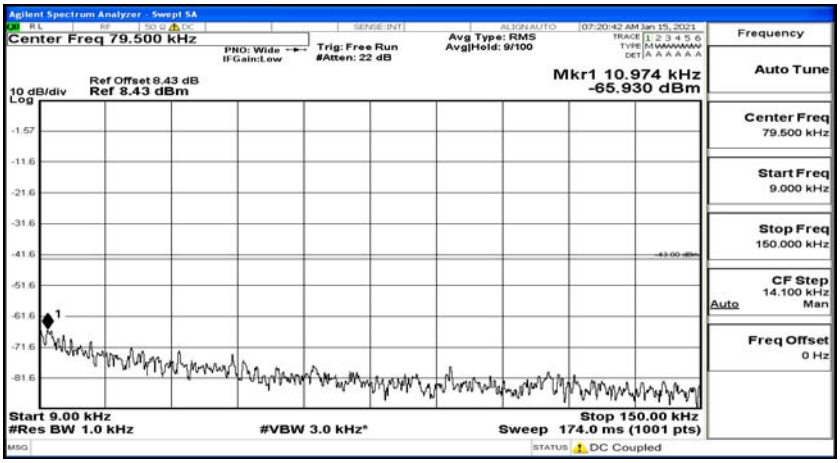
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

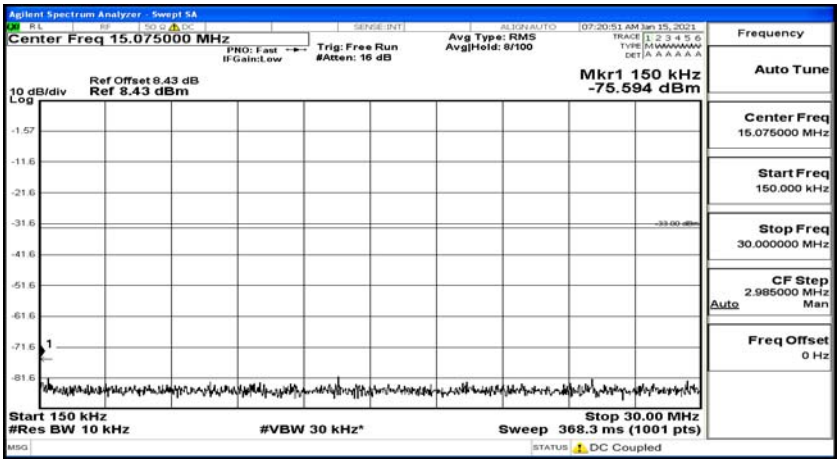


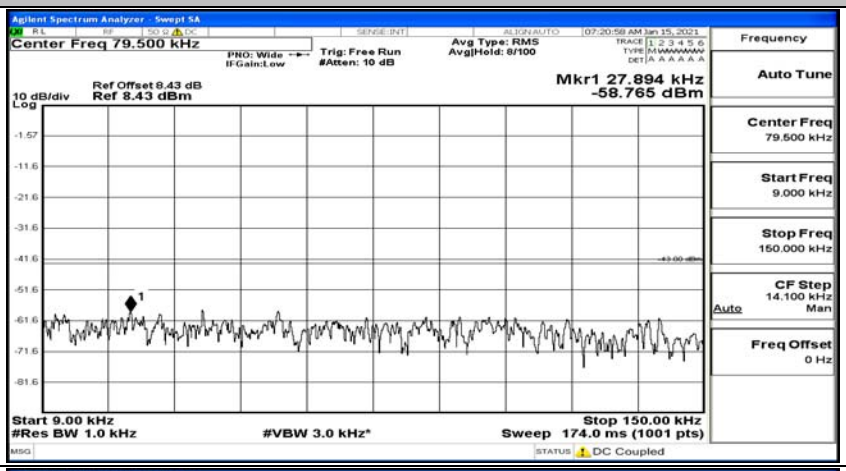
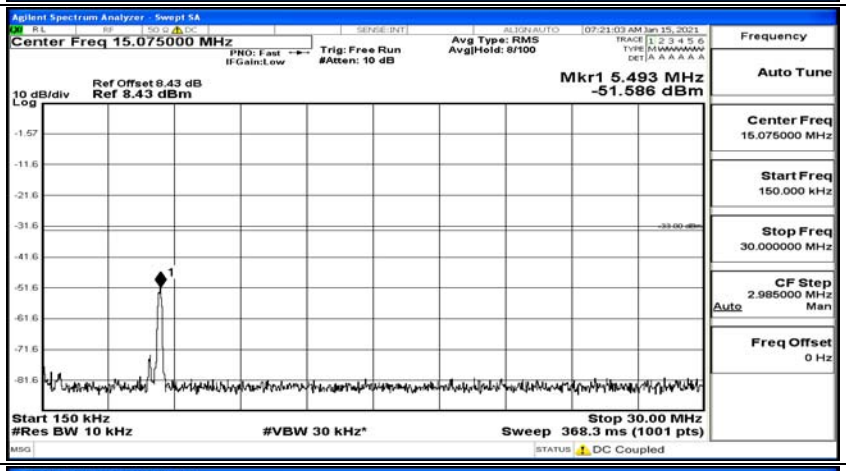


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



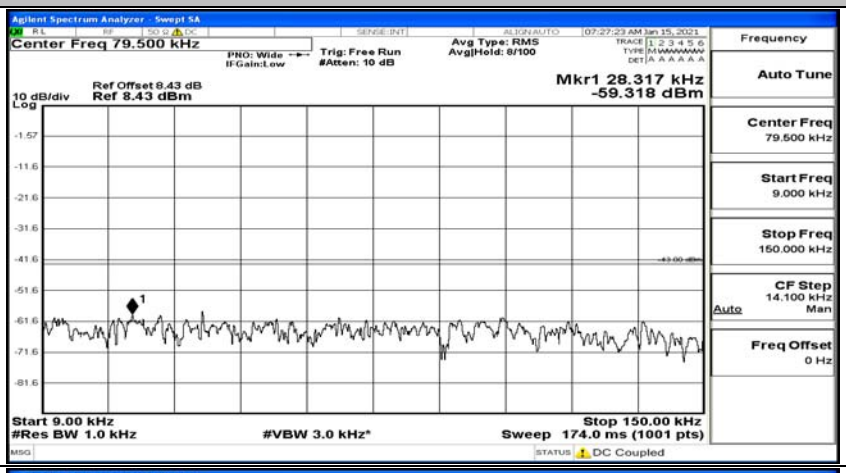
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

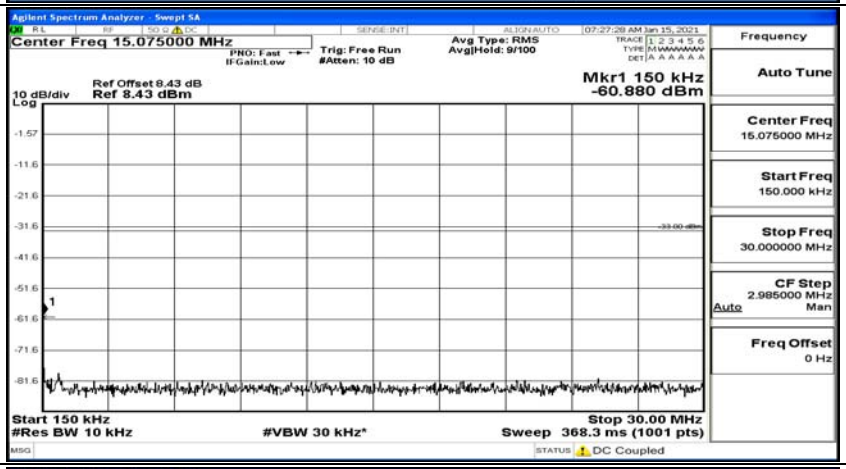


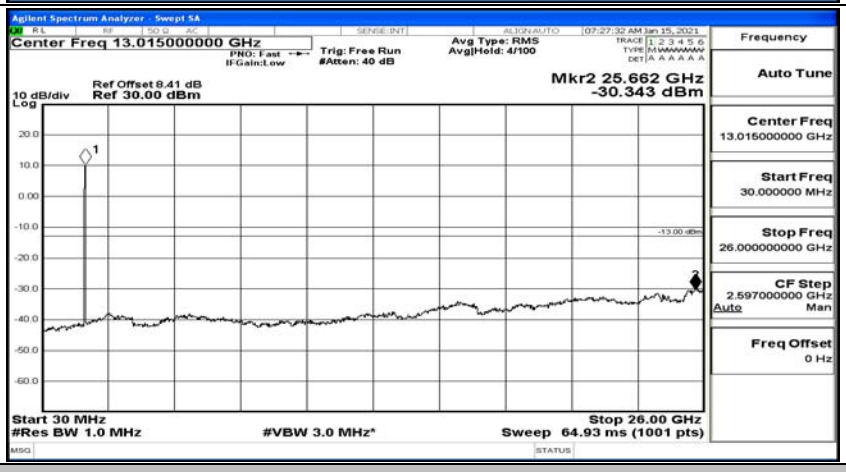


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



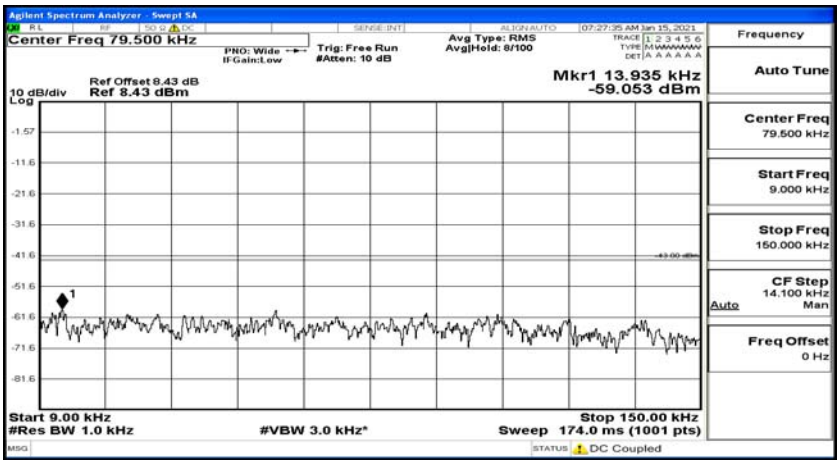
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

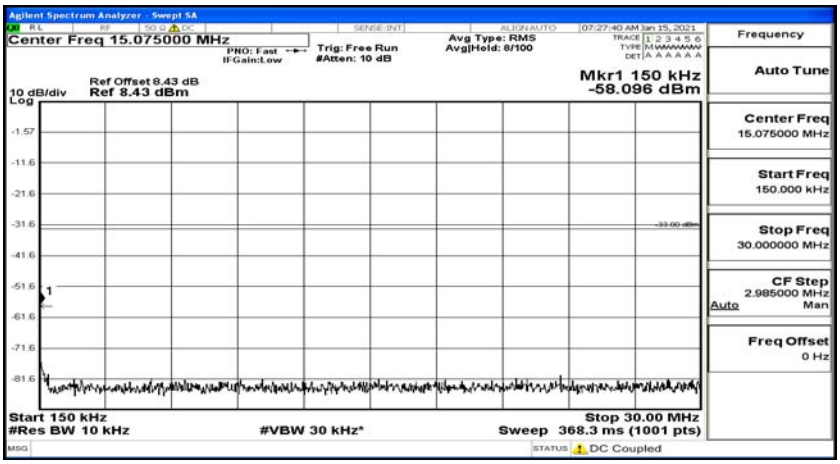


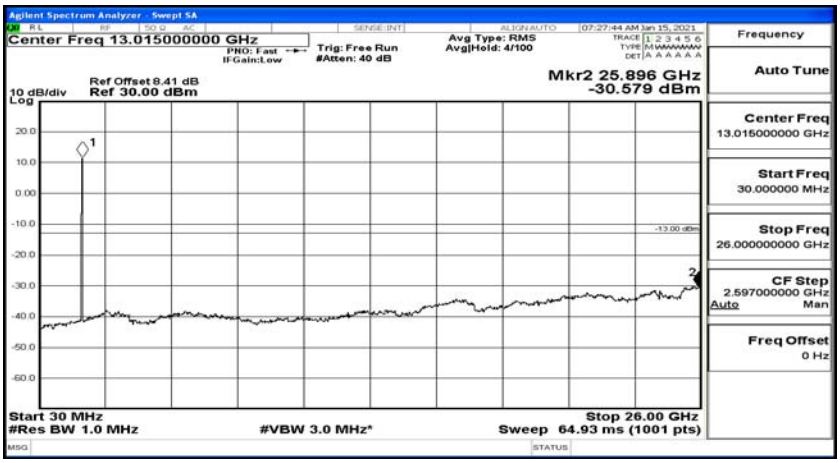




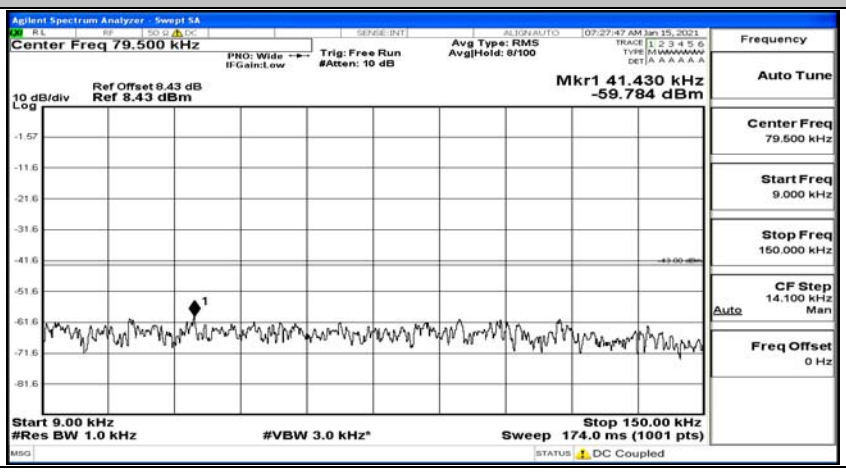
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

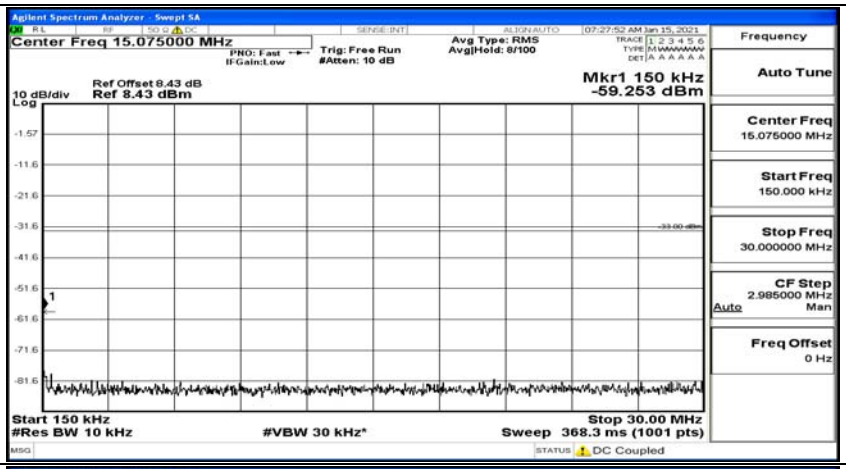






(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5




Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
07:27:52 AM Jan 15, 2021
Mkr1 150 kHz
-59.253 dBm
Ref Offset 8.43 dB
10 dB/div
Ref 8.43 dBm
Log
-1.57
-11.6
-21.6
-31.6
-41.6
-51.6
-61.6
-71.6
-81.6
-33.00 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 4/100
07:27:56 AM Jan 15, 2021
Mkr2 25.662 GHz
-30.326 dBm
Ref Offset 8.41 dB
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-13.00 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz