

Appendix E: Test Data for E-UTRA Band 4

Product Name: 3G/4G Smart Phone

Trade Mark: DOOGEE

Test Model: S88Plus

Environmental Conditions

Temperature:	22.9° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

E.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	21.07	20.10	PASS
		1	3	21.20	20.23	PASS
		1	5	21.09	20.04	PASS
		3	0	21.24	20.12	PASS
		3	2	21.23	20.13	PASS
		3	3	21.23	20.09	PASS
		6	0	20.19	19.21	PASS
	MCH	1	0	21.95	21.12	PASS
		1	3	22.15	21.31	PASS
		1	5	22.01	21.17	PASS
		3	0	22.09	20.99	PASS
		3	2	22.06	21.01	PASS
		3	3	22.10	21.01	PASS
		6	0	21.03	20.14	PASS
	HCH	1	0	21.57	20.71	PASS
		1	3	21.64	20.86	PASS
		1	5	21.57	20.70	PASS
		3	0	21.65	20.55	PASS
		3	2	21.66	20.56	PASS
		3	3	21.69	20.59	PASS
		6	0	20.60	19.54	PASS

Conducted Output Power Test Result (Channel Bandwidth: 3 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.11	20.37	PASS
		1	7	21.10	20.21	PASS
		1	14	21.07	20.17	PASS
		8	0	20.18	19.25	PASS
		8	4	20.15	19.23	PASS
		8	7	20.11	19.17	PASS
		15	0	20.09	19.20	PASS
	MCH	1	0	21.96	21.10	PASS
		1	7	22.05	21.19	PASS
		1	14	22.11	21.27	PASS
		8	0	20.96	20.03	PASS
		8	4	20.99	20.05	PASS
		8	7	21.06	20.18	PASS
		15	0	21.01	20.02	PASS
	HCH	1	0	21.68	20.60	PASS
		1	7	21.66	20.55	PASS
		1	14	21.62	20.52	PASS
		8	0	20.64	19.71	PASS
		8	4	20.62	19.70	PASS
		8	7	20.62	19.70	PASS
		15	0	20.59	19.57	PASS

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	21.12	20.21	PASS
		1	12	21.14	20.18	PASS
		1	24	20.87	19.96	PASS
		12	0	20.10	19.10	PASS
		12	6	20.13	19.11	PASS
		12	13	20.06	19.01	PASS
		25	0	20.10	19.10	PASS
	MCH	1	0	21.79	20.97	PASS
		1	12	22.14	21.36	PASS
		1	24	22.13	21.36	PASS
		12	0	20.92	20.02	PASS
		12	6	20.89	19.98	PASS
		12	13	21.17	20.29	PASS
		25	0	21.10	20.16	PASS
	HCH	1	0	21.74	20.70	PASS
		1	12	21.71	20.76	PASS
		1	24	21.58	20.60	PASS
		12	0	20.66	19.72	PASS
		12	6	20.61	19.75	PASS
		12	13	20.65	19.68	PASS
		25	0	20.66	19.78	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	21.10	20.38	PASS
		1	24	21.10	20.25	PASS
		1	49	20.87	20.02	PASS
		25	0	20.05	19.09	PASS
		25	12	20.05	19.08	PASS
		25	25	20.10	19.11	PASS
		50	0	20.08	19.10	PASS
	MCH	1	0	21.51	20.73	PASS
		1	24	22.14	21.41	PASS
		1	49	22.19	21.40	PASS
		25	0	20.90	20.01	PASS
		25	12	20.86	20.00	PASS
		25	25	21.40	20.49	PASS
		50	0	21.12	20.20	PASS
	HCH	1	0	21.89	20.79	PASS
		1	24	21.87	20.70	PASS
		1	49	21.60	20.50	PASS
		25	0	20.93	20.04	PASS
		25	12	20.95	20.04	PASS
		25	25	20.74	19.83	PASS
		50	0	20.82	19.89	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	20.97	20.21	PASS
		1	37	20.80	20.05	PASS
		1	74	20.95	20.18	PASS
		37	0	20.01	20.03	PASS
		37	18	20.04	20.02	PASS
		37	38	20.03	20.01	PASS
		75	0	20.03	18.95	PASS
	MCH	1	0	21.11	20.45	PASS
		1	37	22.07	21.35	PASS
		1	74	22.02	21.33	PASS
		37	0	21.07	21.05	PASS
		37	18	21.06	21.05	PASS
		37	38	21.06	21.06	PASS
		75	0	21.05	20.12	PASS
	HCH	1	0	22.02	20.94	PASS
		1	37	21.86	20.77	PASS
		1	74	21.51	20.41	PASS
		37	0	21.00	21.00	PASS
		37	18	20.98	21.00	PASS
		37	38	21.02	21.00	PASS
		75	0	21.03	20.03	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)

Modulation	Channel	RB Configuration		Average Power [dBm] QPSK	Average Power [dBm] 16QAM	Verdict
		Size	Offset			
QPSK / 16QAM	LCH	1	0	20.88	19.92	PASS
		1	49	21.14	20.06	PASS
		1	99	21.37	20.42	PASS
		50	0	19.72	18.72	PASS
		50	25	19.70	18.75	PASS
		50	50	20.06	19.14	PASS
		100	0	19.89	18.96	PASS
	MCH	1	0	20.76	19.93	PASS
		1	49	22.13	21.35	PASS
		1	99	21.83	20.95	PASS
		50	0	20.60	19.70	PASS
		50	25	20.63	19.73	PASS
		50	50	21.34	20.47	PASS
		100	0	21.00	20.12	PASS
	HCH	1	0	21.79	20.92	PASS
		1	49	21.86	21.04	PASS
		1	99	21.17	20.31	PASS
		50	0	21.14	20.27	PASS
		50	25	21.16	20.28	PASS
		50	50	20.68	19.81	PASS
		100	0	20.95	20.03	PASS

E.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	5.37	<13	PASS
	MCH	5.29	<13	PASS
	HCH	5.23	<13	PASS
16QAM	LCH	6.19	<13	PASS
	MCH	6.12	<13	PASS
	HCH	6.08	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 3 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.39	<13	PASS
	MCH	5.39	<13	PASS
	HCH	5.29	<13	PASS
16QAM	LCH	6.24	<13	PASS
	MCH	6.21	<13	PASS
	HCH	6.11	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.53	<13	PASS
	MCH	5.42	<13	PASS
	HCH	5.44	<13	PASS
16QAM	LCH	6.24	<13	PASS
	MCH	6.23	<13	PASS
	HCH	6.18	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.51	<13	PASS
	MCH	5.36	<13	PASS
	HCH	5.4	<13	PASS
16QAM	LCH	6.3	<13	PASS
	MCH	6.18	<13	PASS
	HCH	6.2	<13	PASS

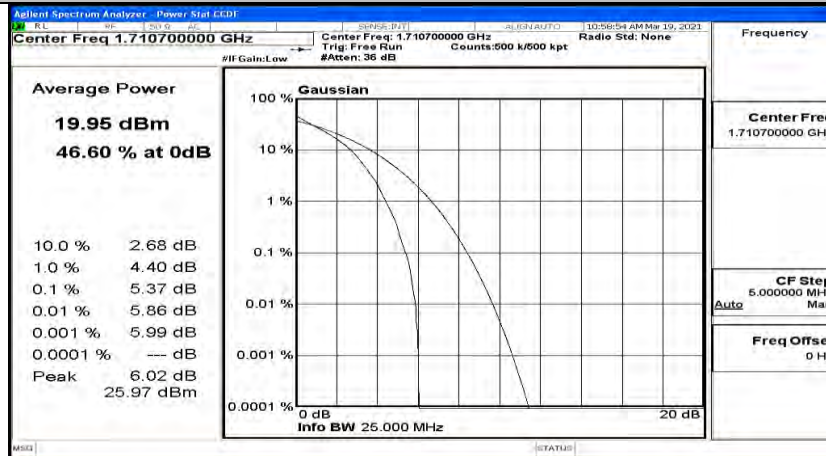
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.76	<13	PASS
	MCH	5.65	<13	PASS
	HCH	5.61	<13	PASS
16QAM	LCH	6.39	<13	PASS
	MCH	6.27	<13	PASS
	HCH	6.23	<13	PASS

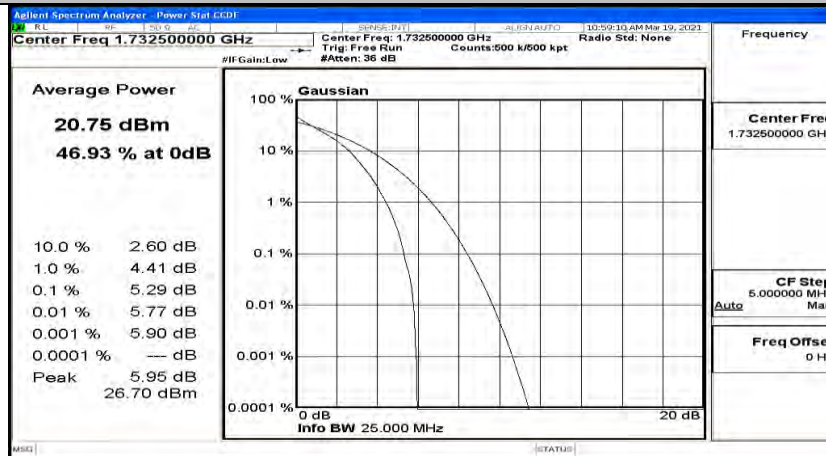
Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)

Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.53	<13	PASS
	MCH	5.46	<13	PASS
	HCH	5.42	<13	PASS
16QAM	LCH	6.38	<13	PASS
	MCH	6.2	<13	PASS
	HCH	6.17	<13	PASS

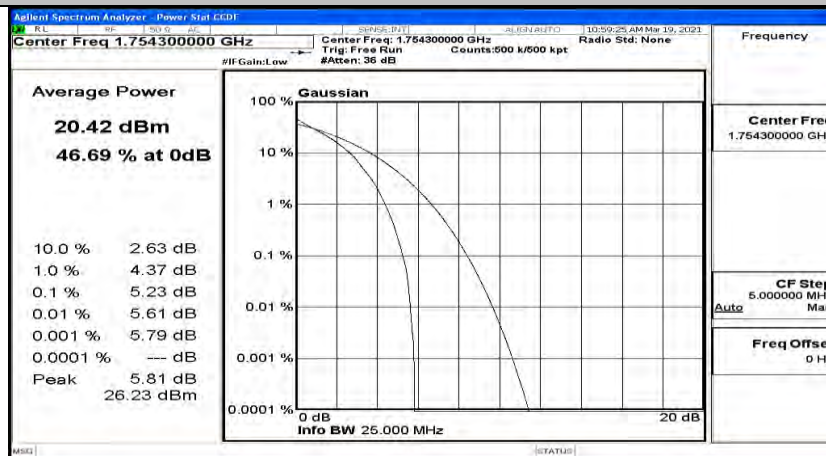
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



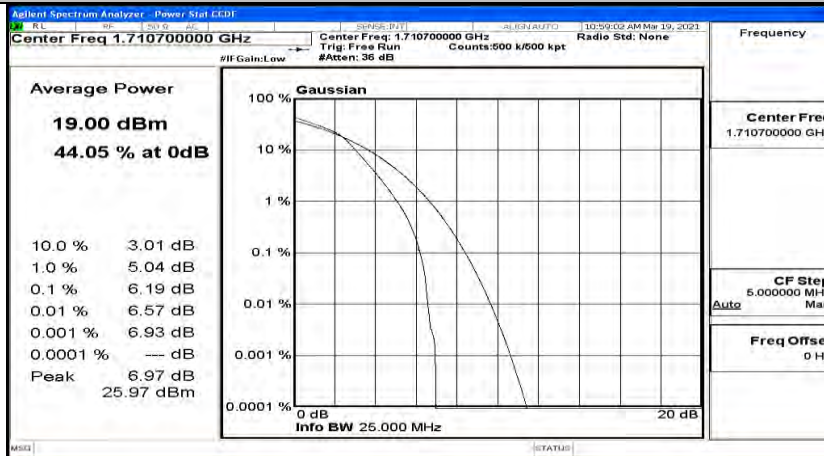
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



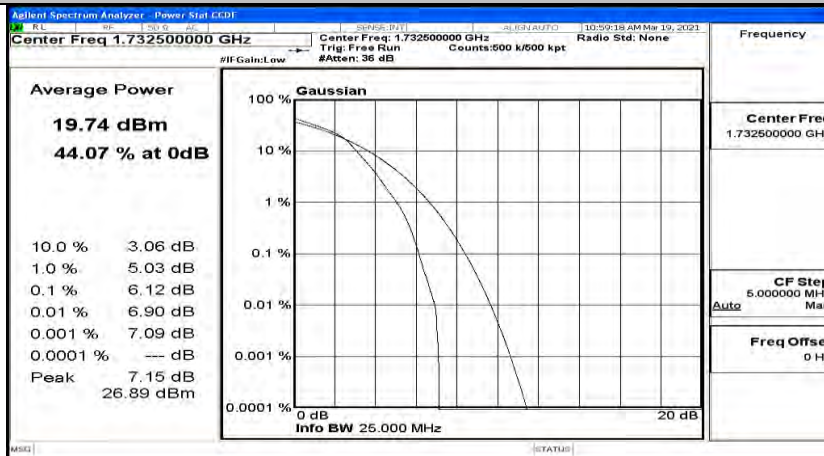
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



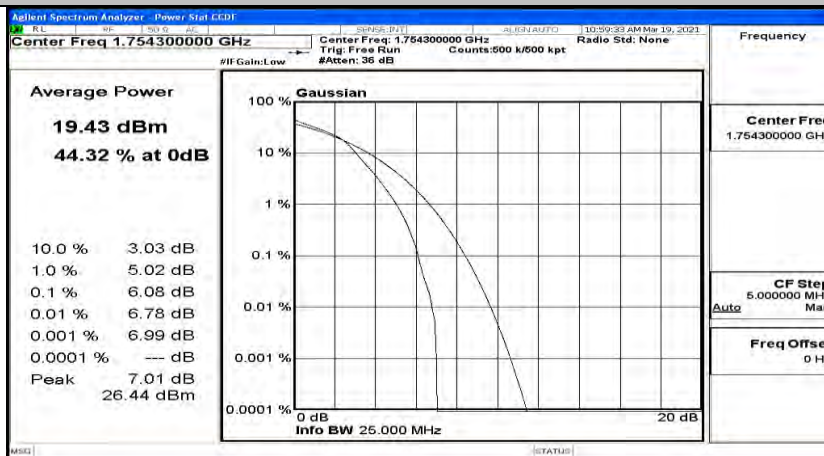
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



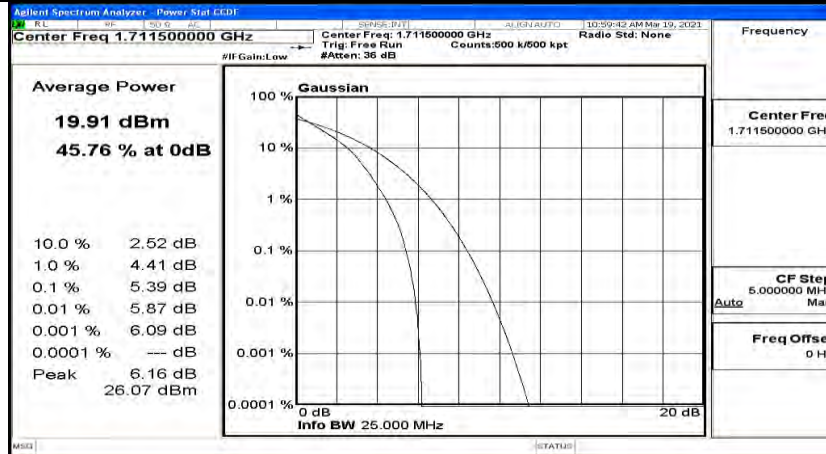
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



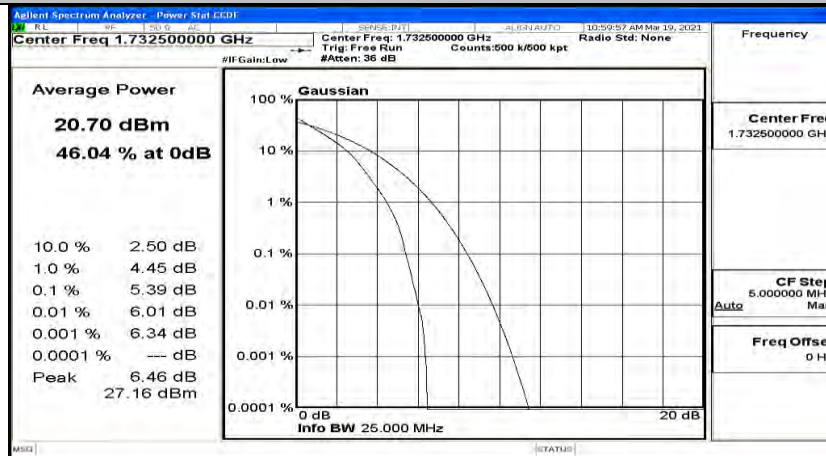
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



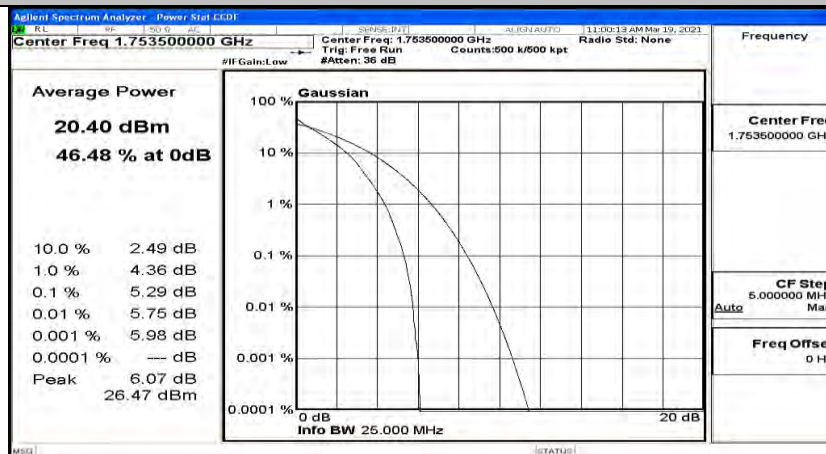
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



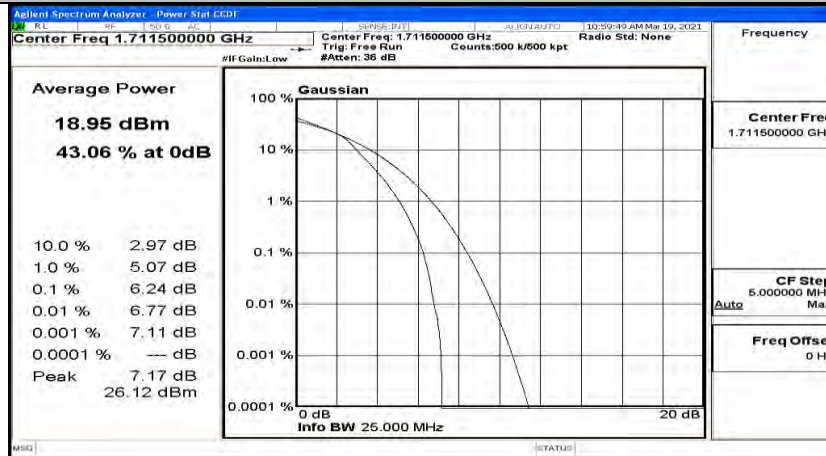
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



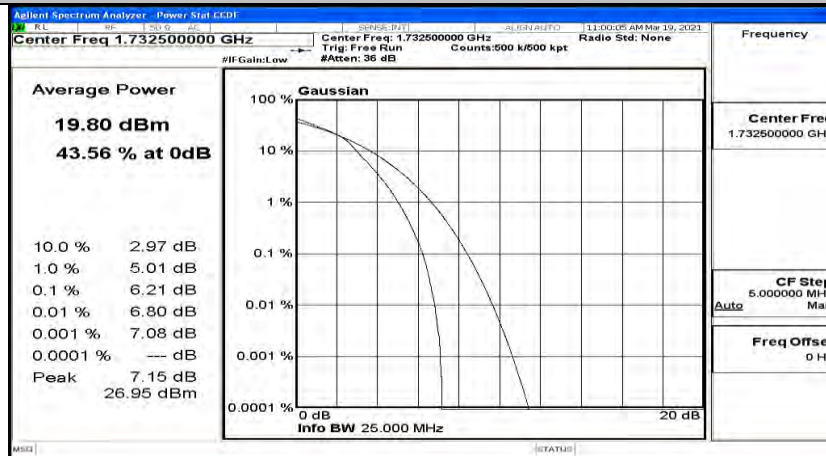
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



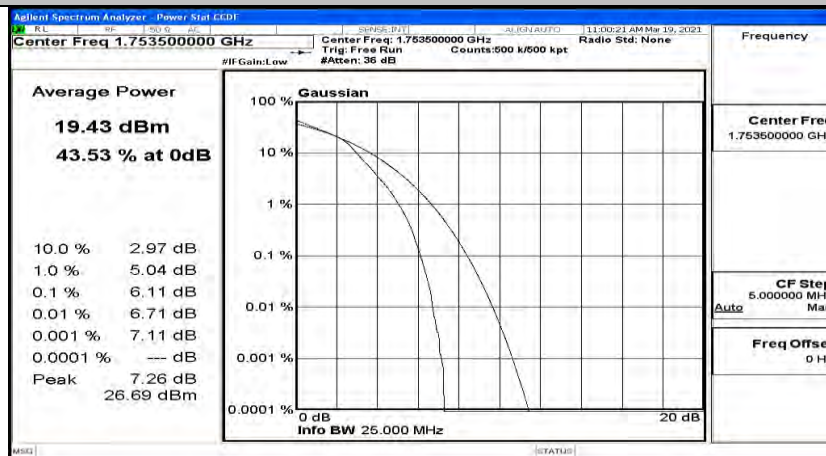
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



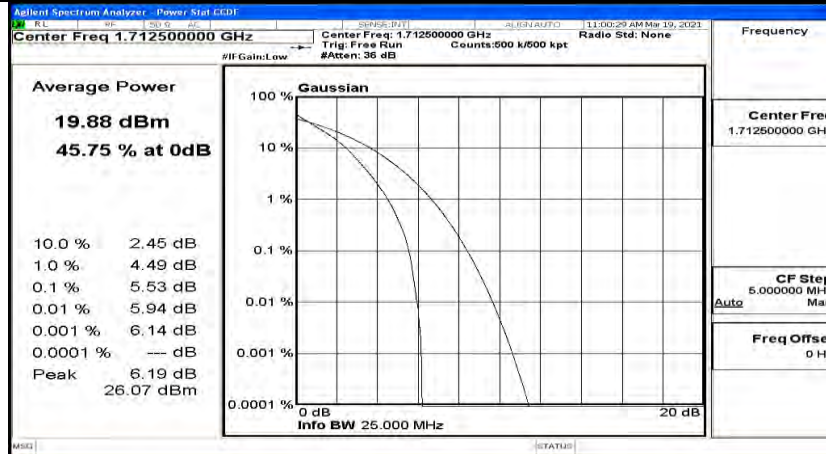
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



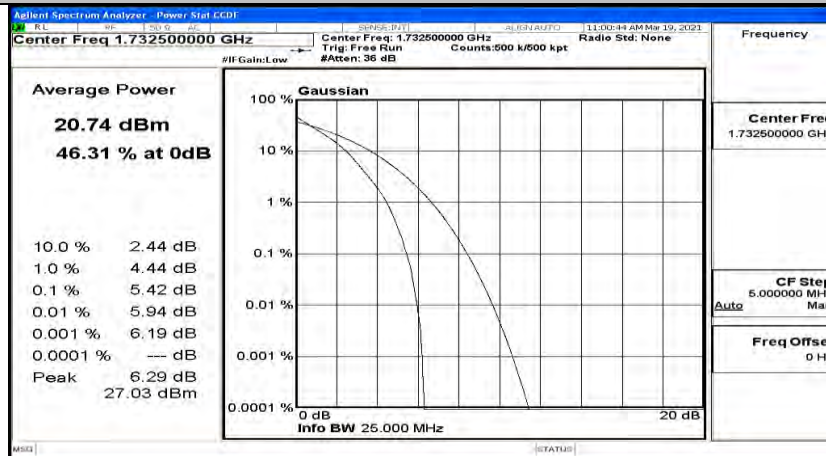
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



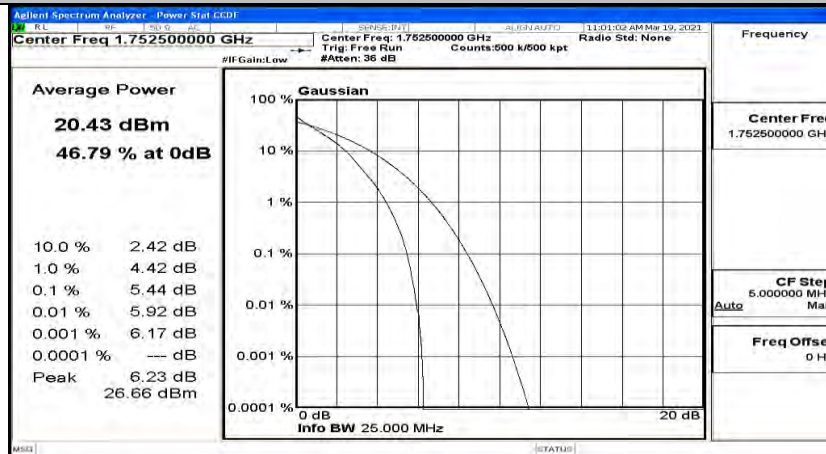
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



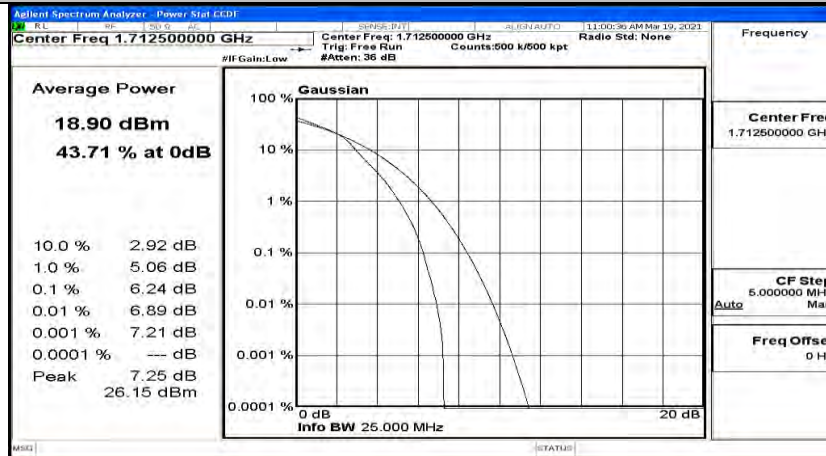
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



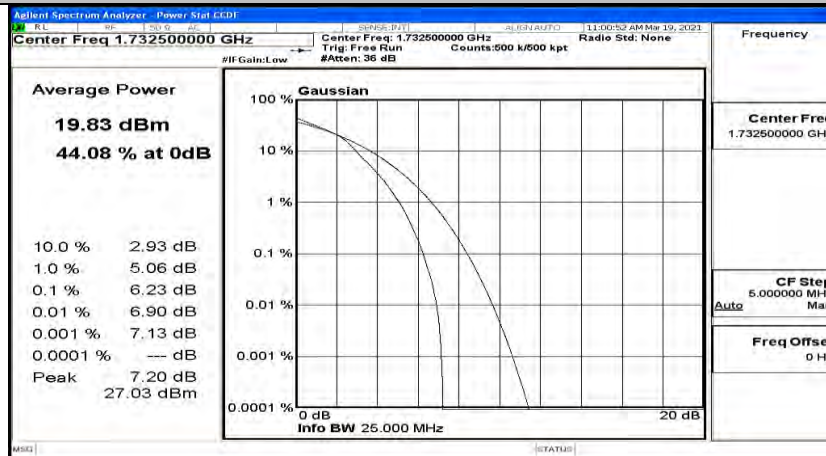
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



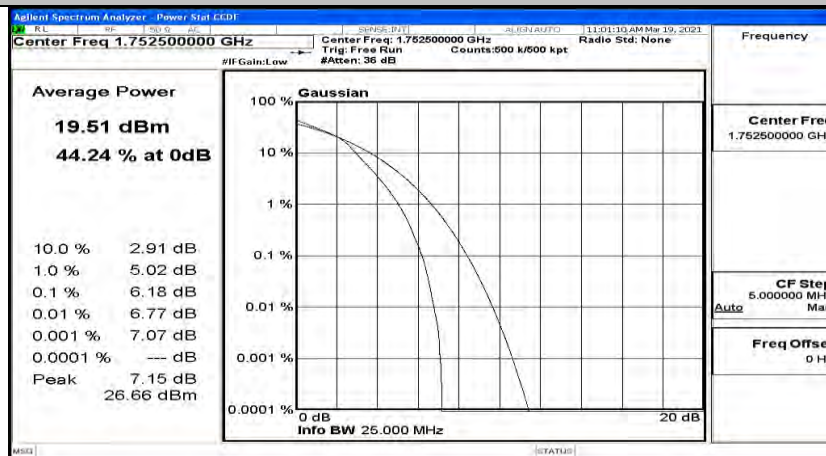
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



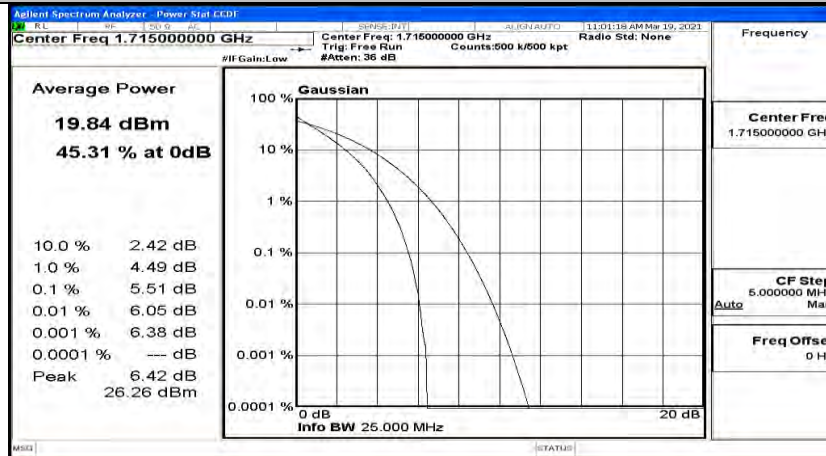
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



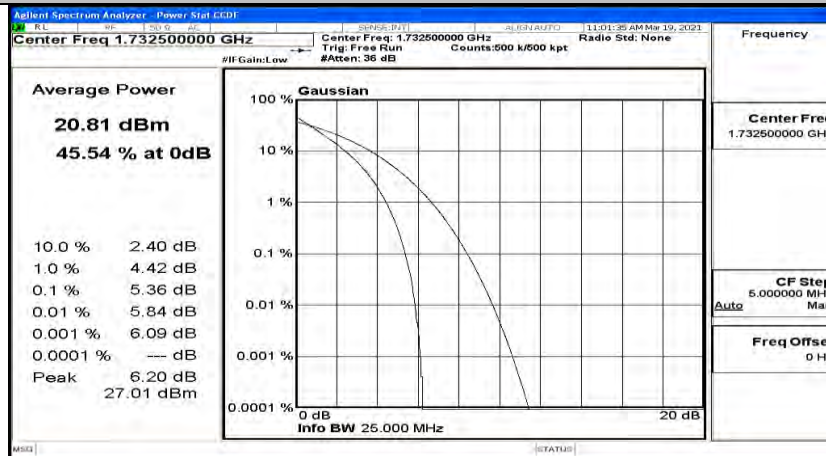
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



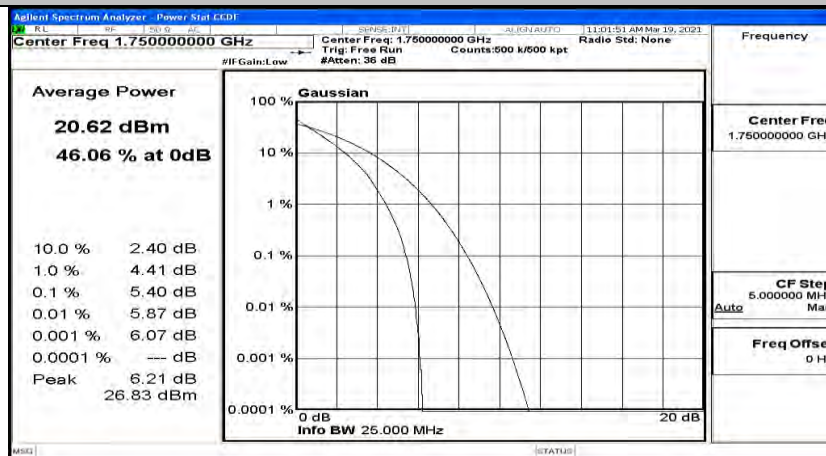
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _LCH_QPSK



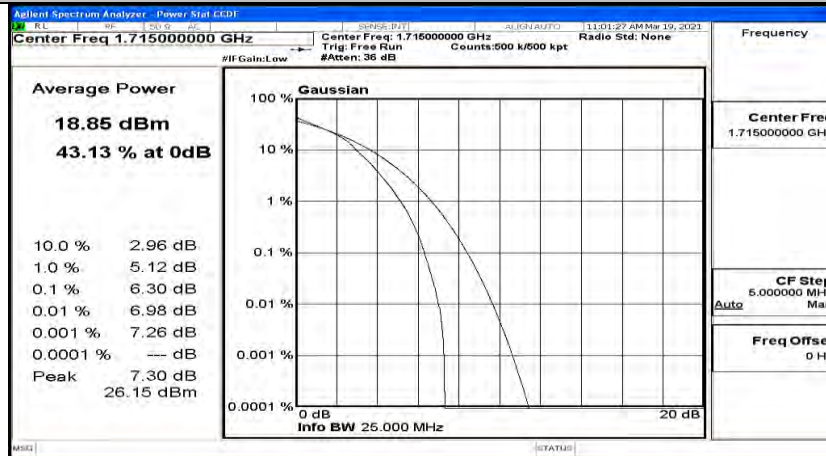
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _MCH_QPSK



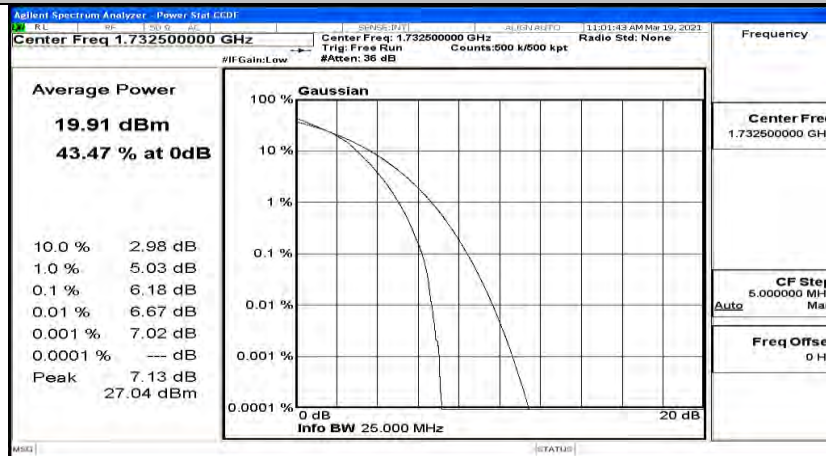
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz) _HCH_QPSK



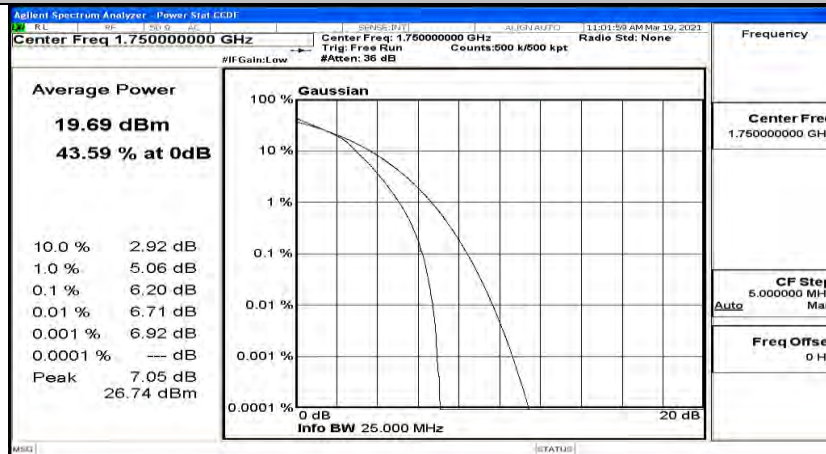
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



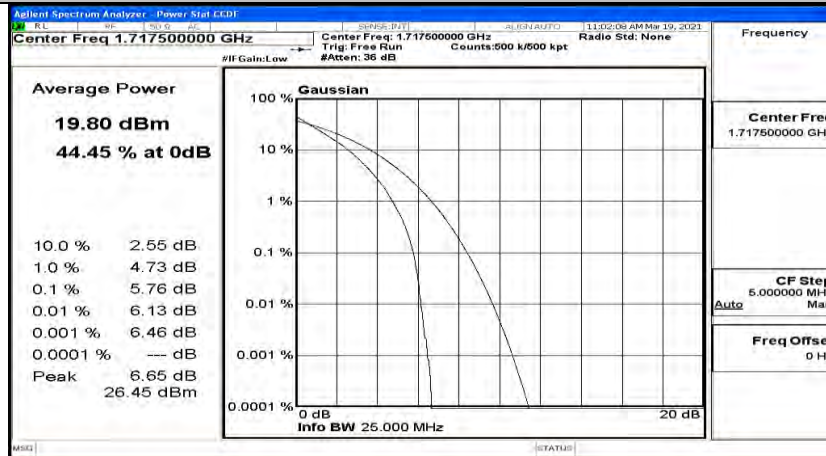
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



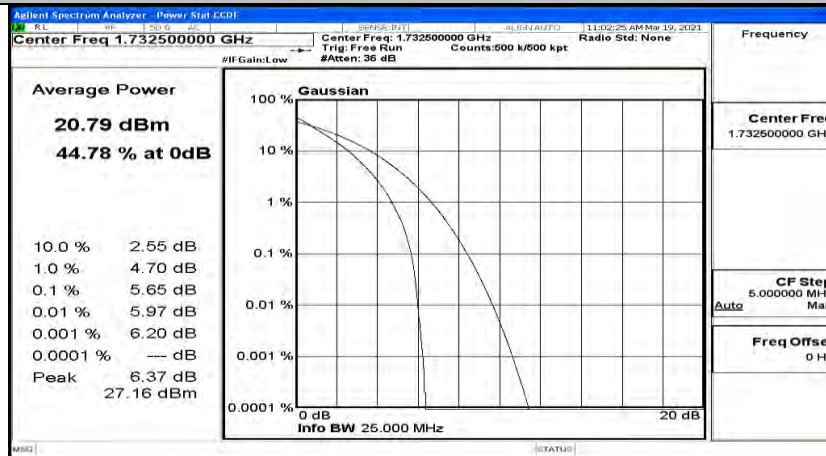
Peak-to-Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



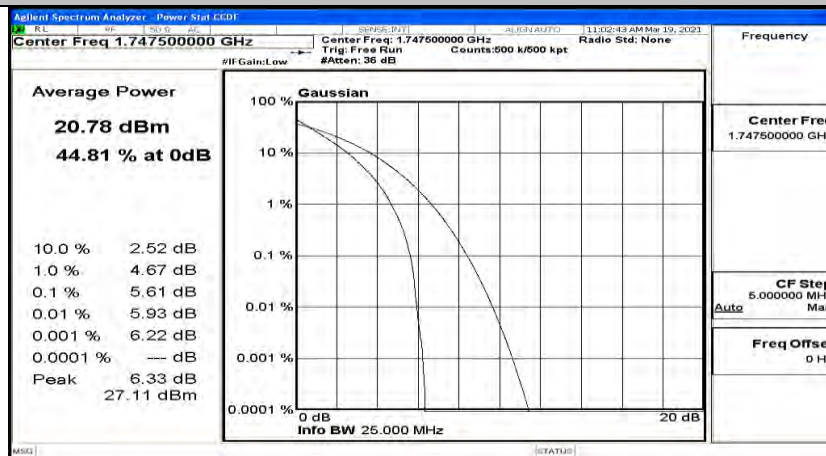
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



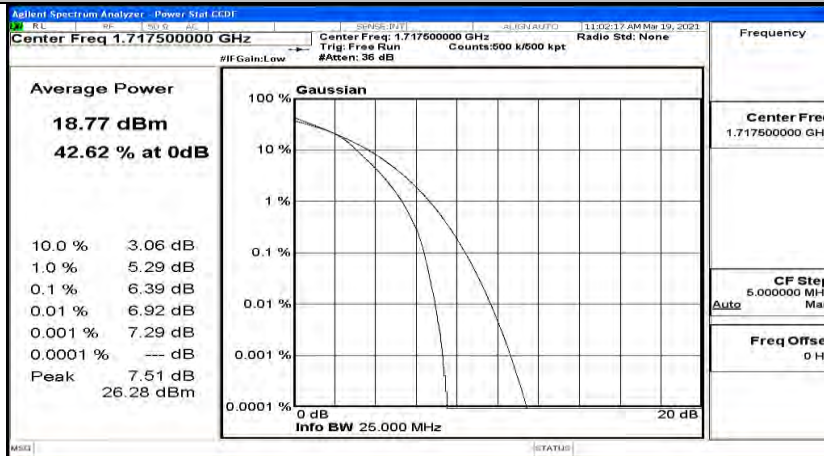
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



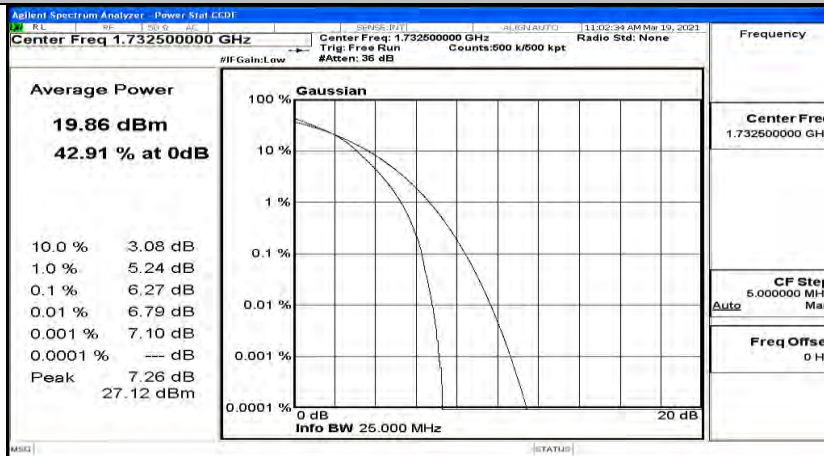
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



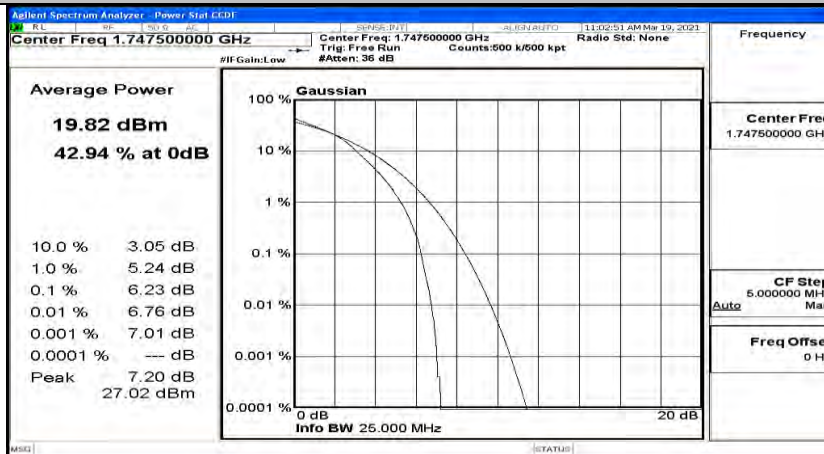
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



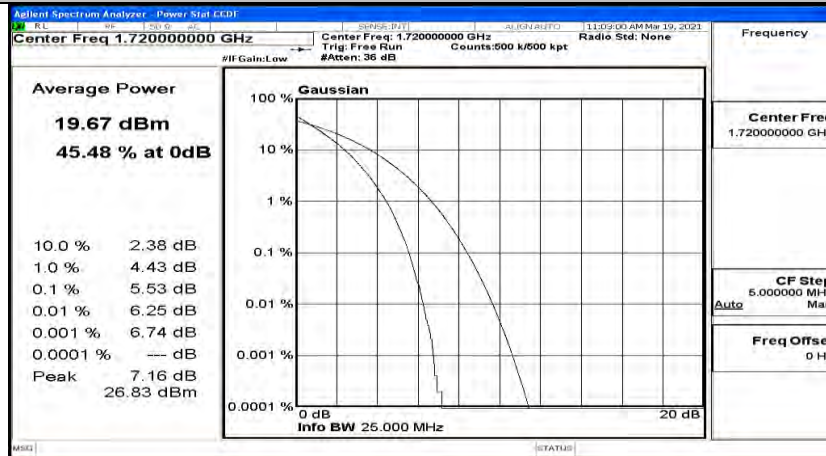
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



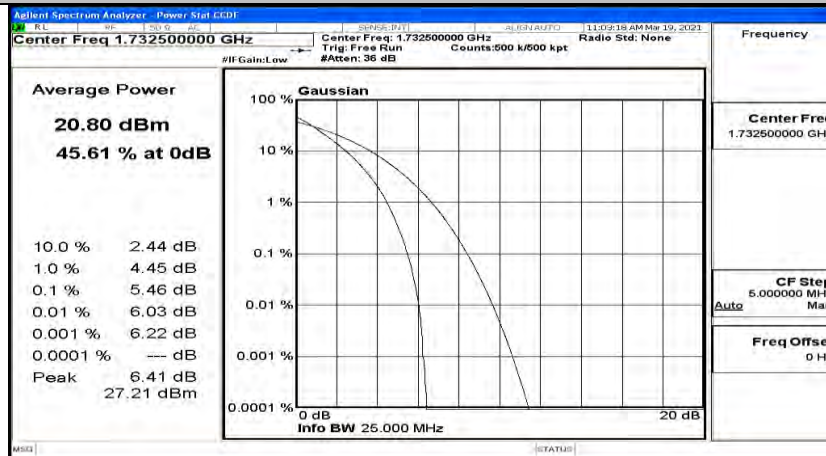
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



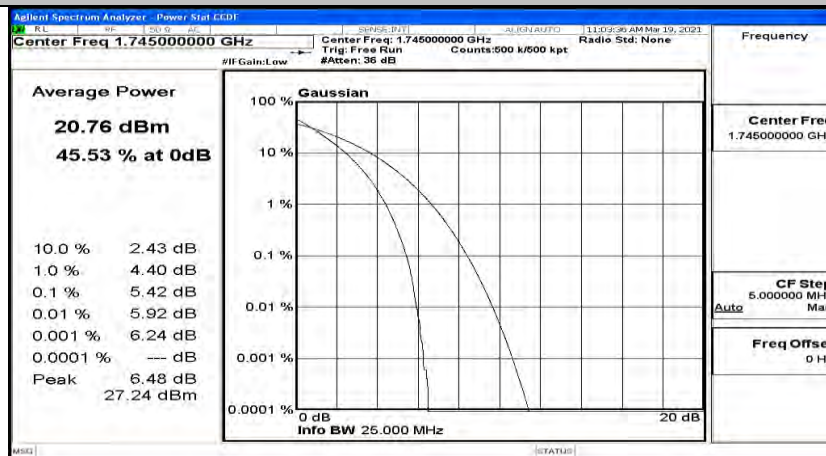
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



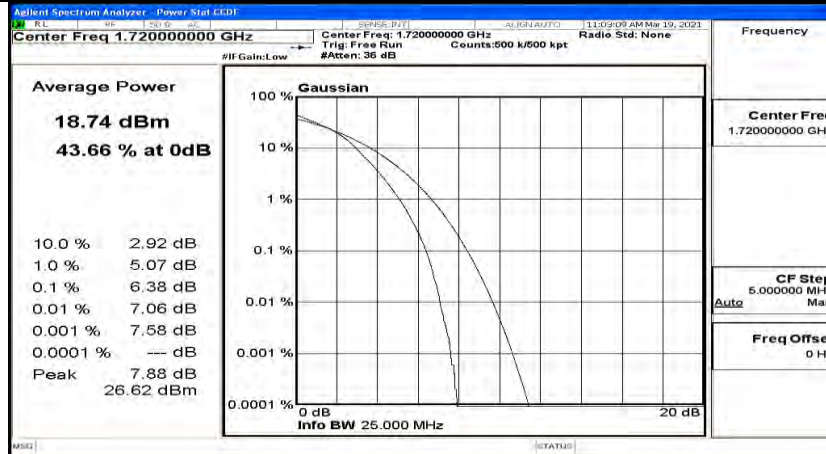
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



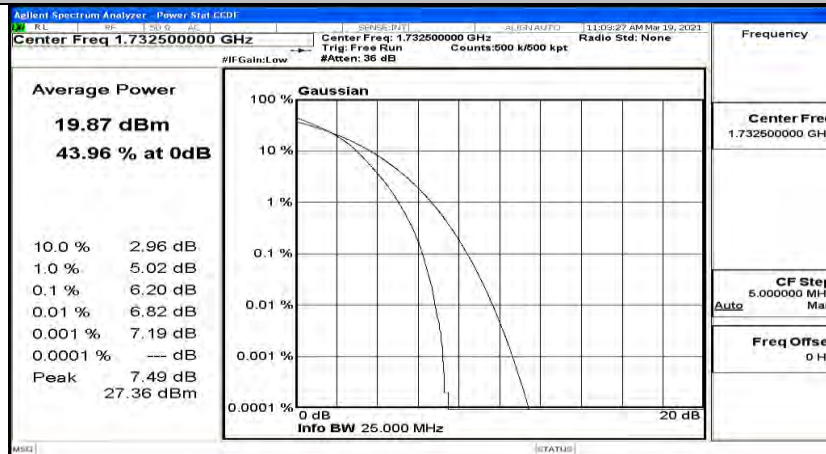
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



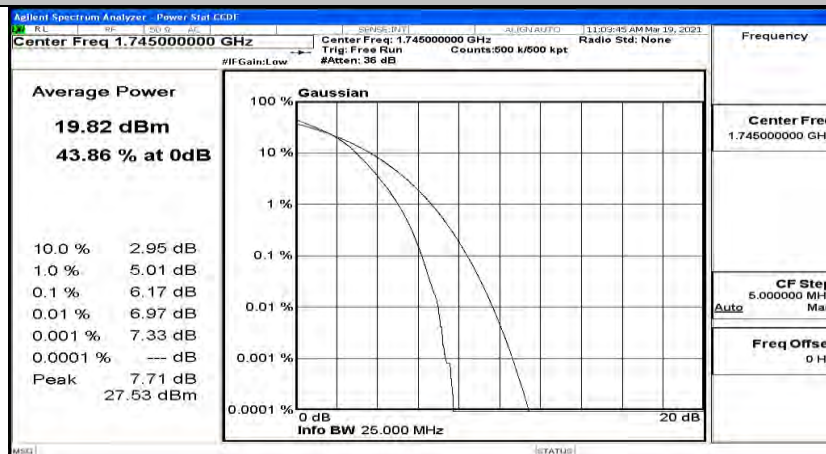
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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



E.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	1.0778	1.237	PASS
	MCH	1.0767	1.224	PASS
	HCH	1.0759	1.218	PASS
16QAM	LCH	1.0775	1.244	PASS
	MCH	1.0728	1.181	PASS
	HCH	1.0759	1.238	PASS

EBW & OBW Test Result (Channel Bandwidth: 3 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	2.6753	2.827	PASS
	MCH	2.6830	2.822	PASS
	HCH	2.6833	2.832	PASS
16QAM	LCH	2.6782	2.829	PASS
	MCH	2.6793	2.832	PASS
	HCH	2.6775	2.816	PASS

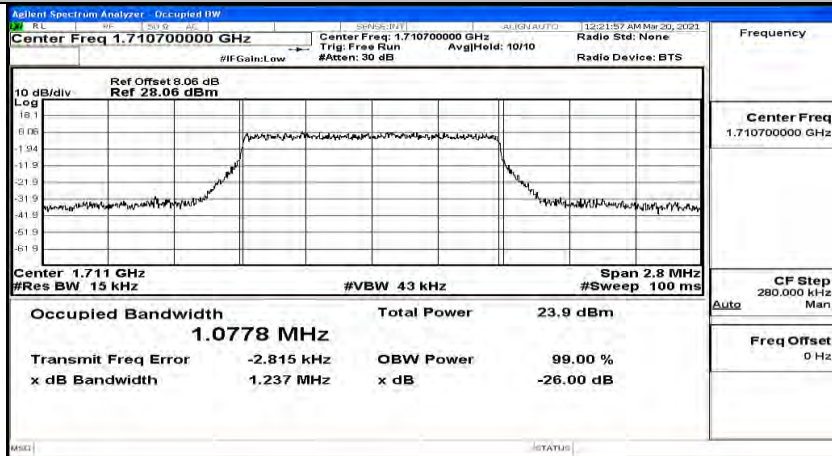
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4765	4.734	PASS
	MCH	4.4698	4.741	PASS
	HCH	4.4687	4.727	PASS
16QAM	LCH	4.4742	4.726	PASS
	MCH	4.4708	4.758	PASS
	HCH	4.4793	4.731	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9452	9.382	PASS
	MCH	8.9377	9.331	PASS
	HCH	8.9426	9.348	PASS
16QAM	LCH	8.9407	9.331	PASS
	MCH	8.9601	9.367	PASS
	HCH	8.9498	9.374	PASS

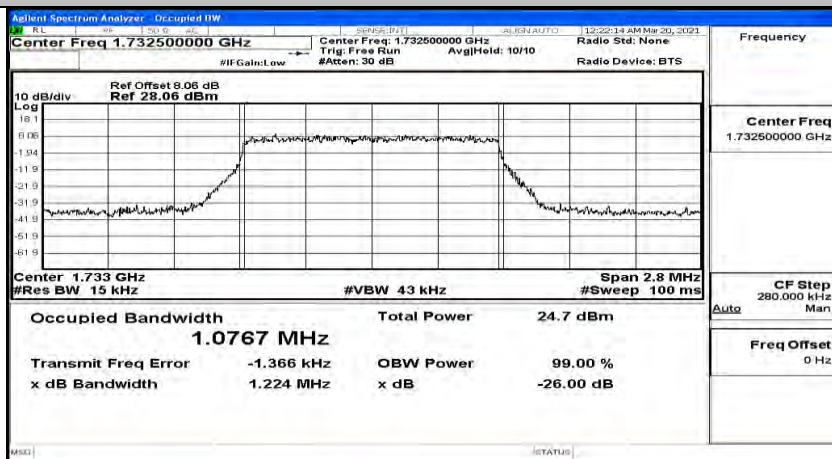
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.398	14.00	PASS
	MCH	13.416	13.97	PASS
	HCH	13.412	13.93	PASS
16QAM	LCH	13.399	13.99	PASS
	MCH	13.419	13.94	PASS
	HCH	13.419	13.97	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.860	18.55	PASS
	MCH	17.861	18.55	PASS
	HCH	17.855	18.57	PASS
16QAM	LCH	17.850	18.55	PASS
	MCH	17.878	18.58	PASS
	HCH	17.868	18.53	PASS

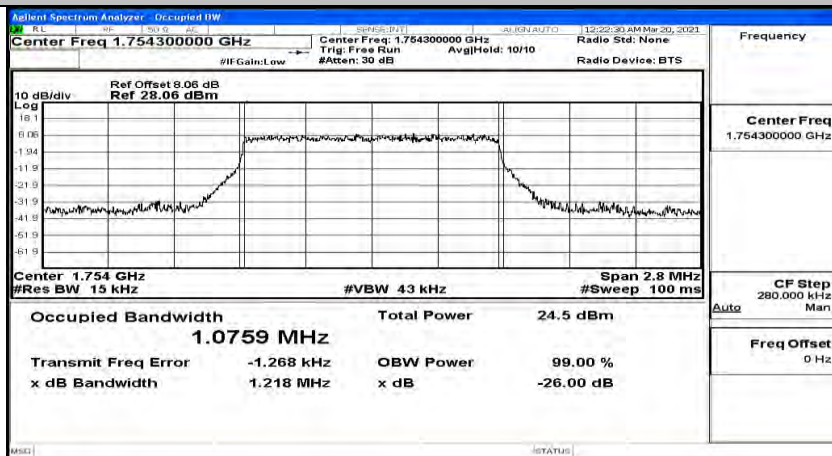
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



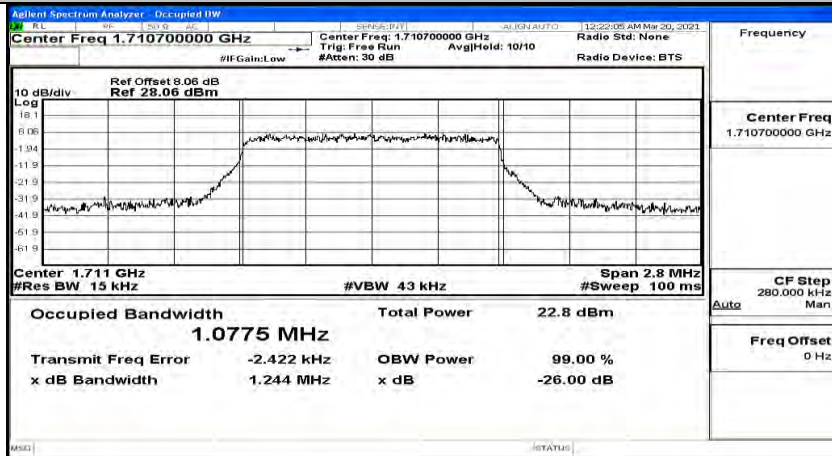
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_QPSK



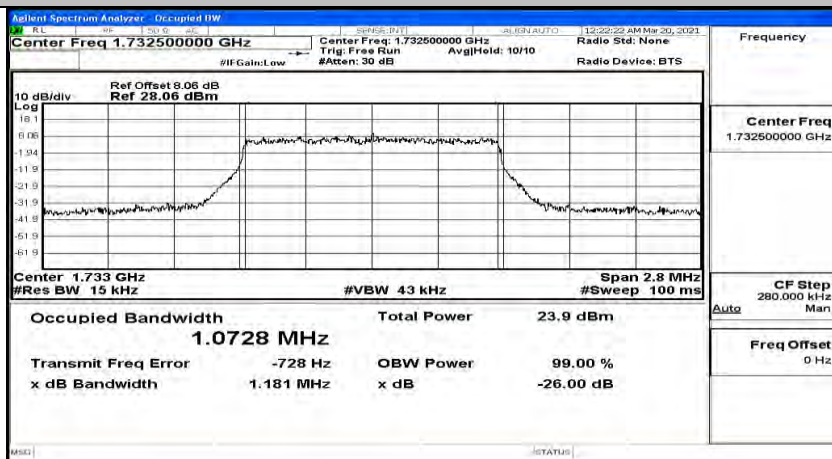
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_QPSK



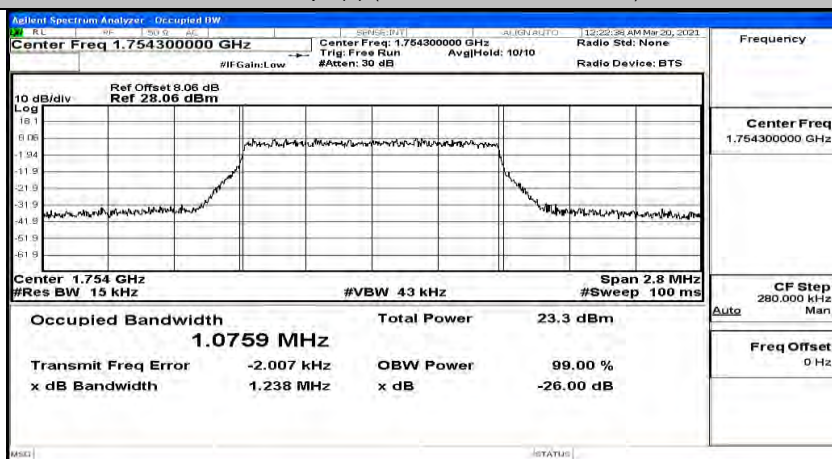
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



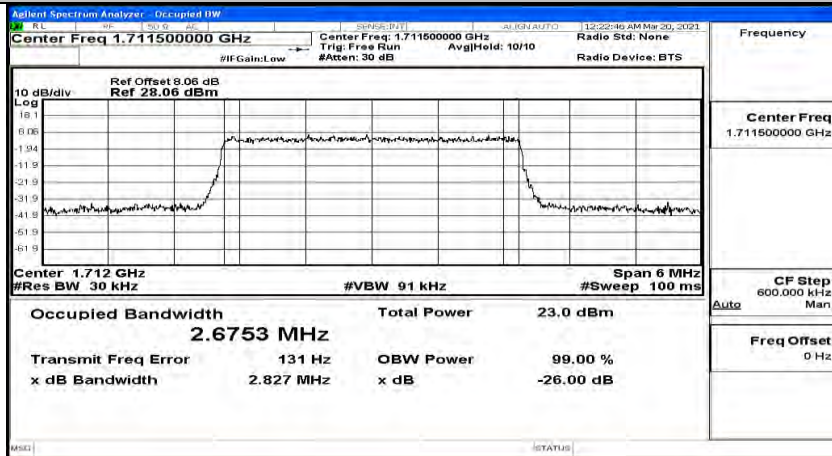
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_MCH_16QAM



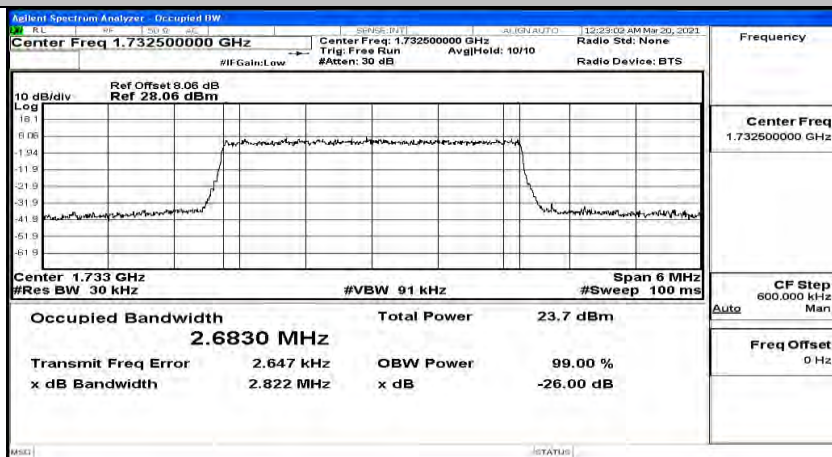
EBW & OBW Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



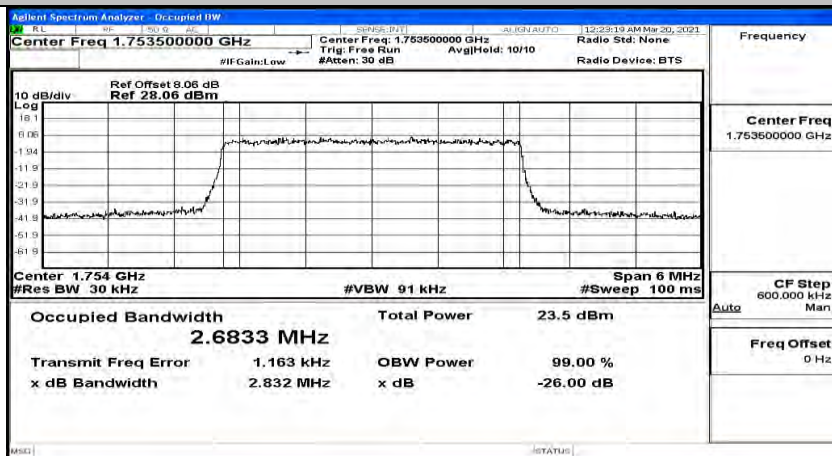
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



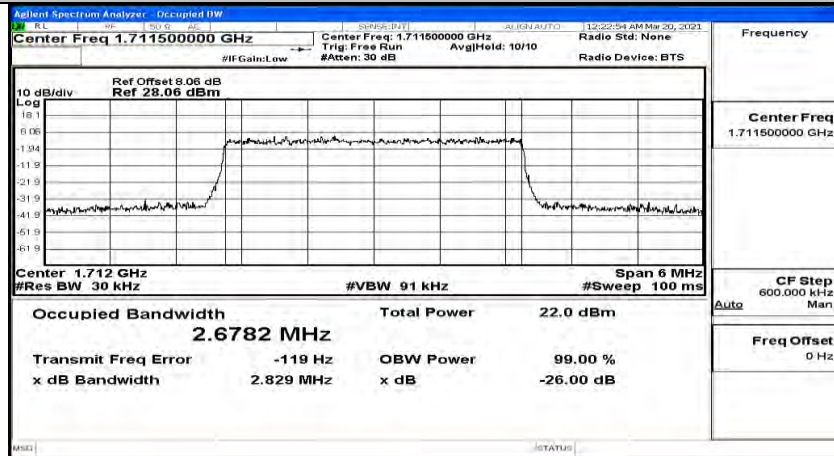
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_QPSK



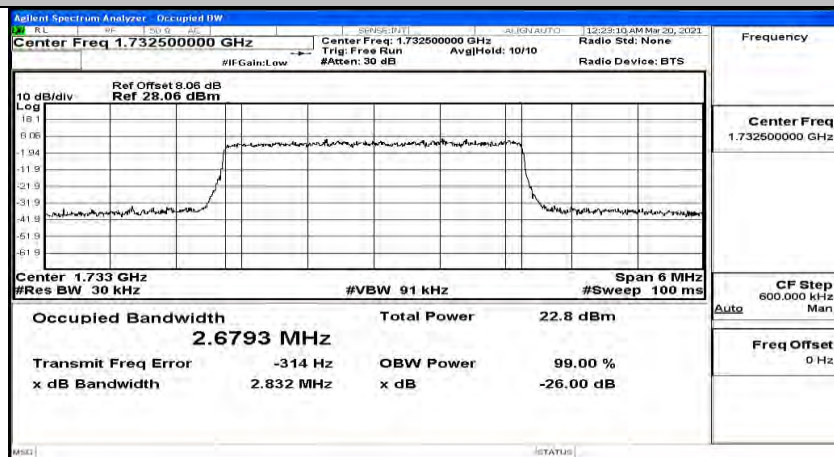
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



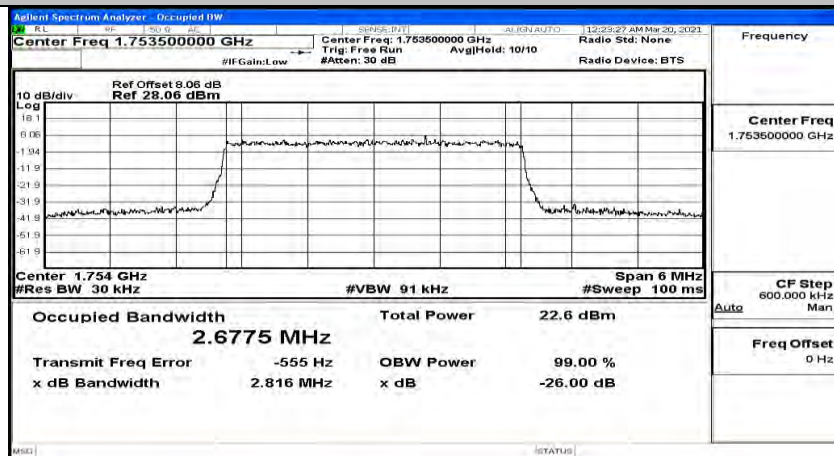
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



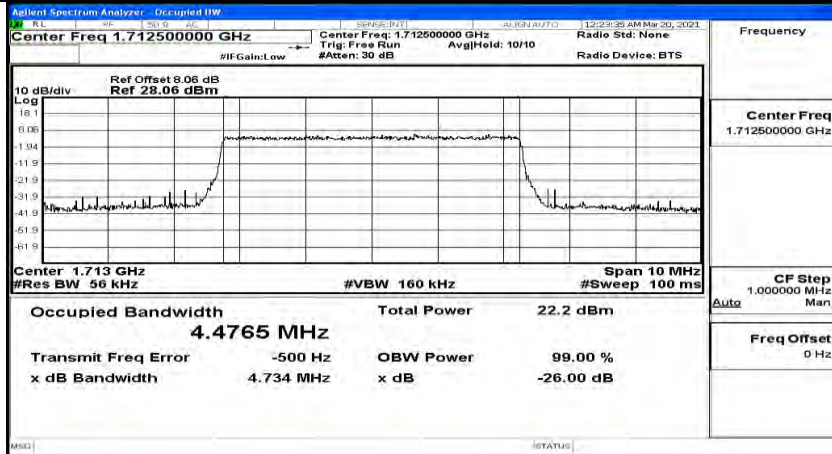
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_MCH_16QAM



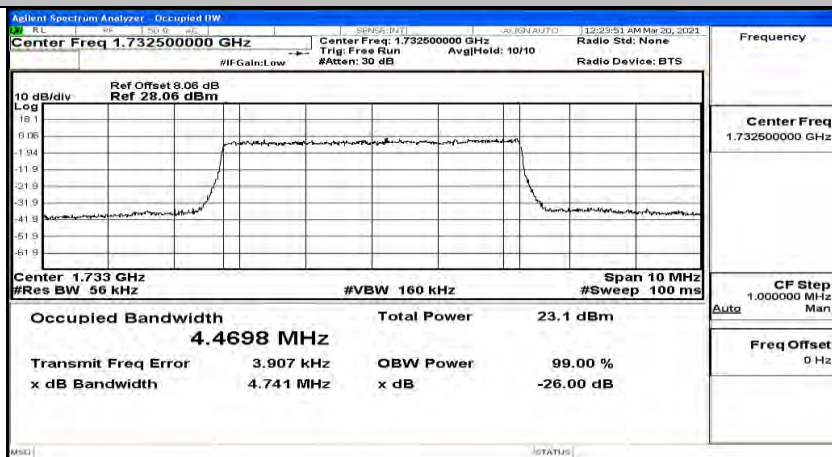
EBW & OBW Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_16QAM



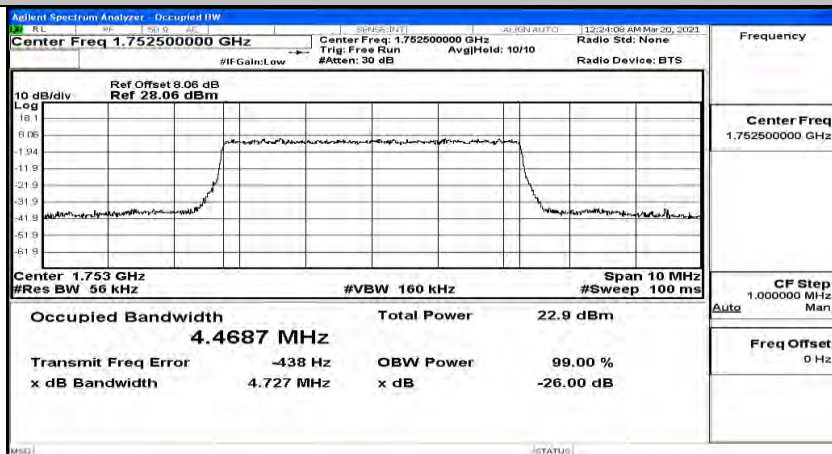
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK



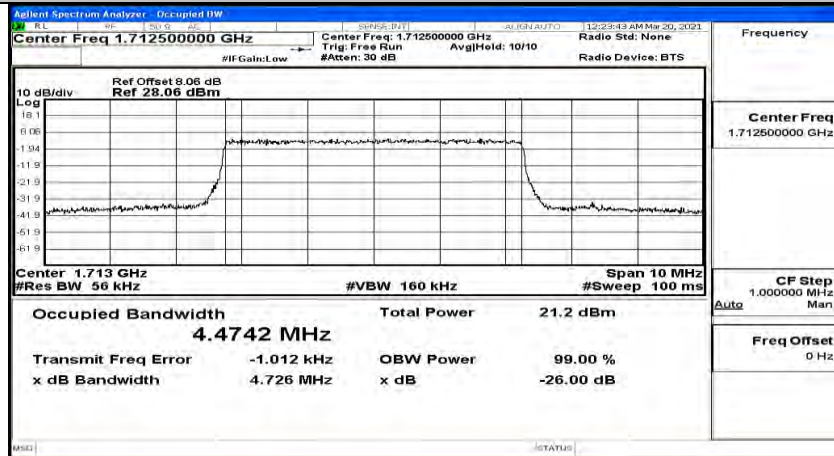
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK



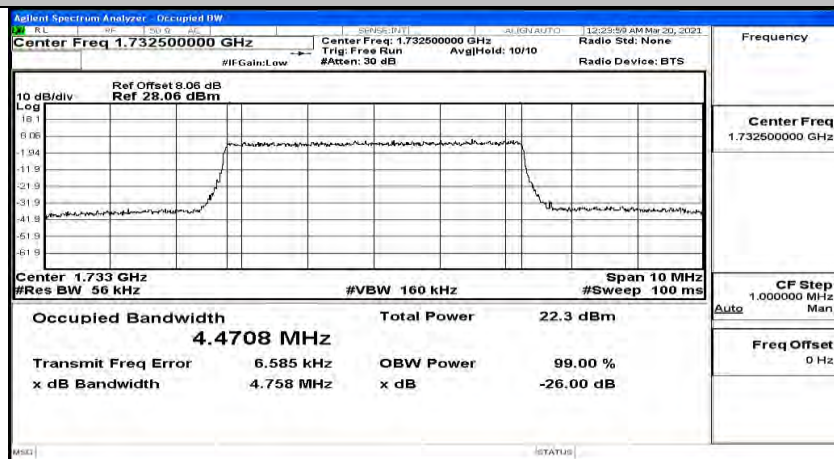
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



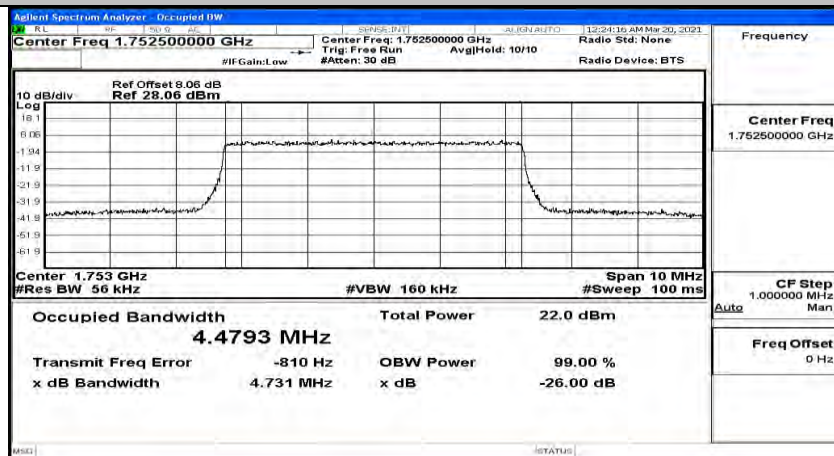
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



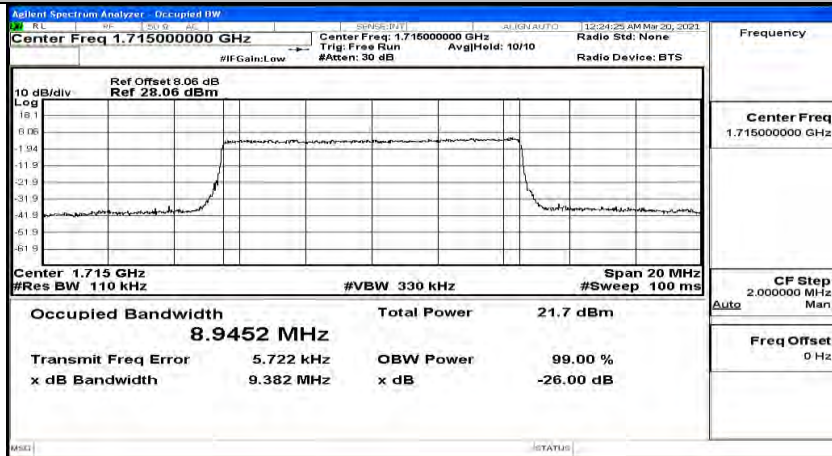
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM



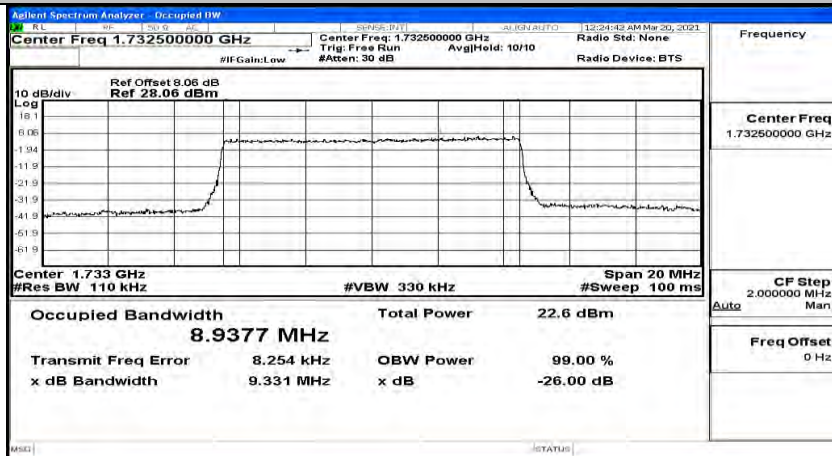
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



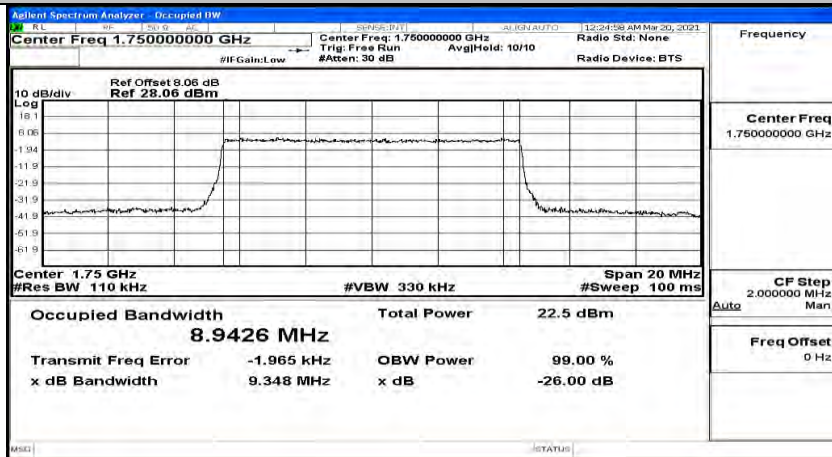
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



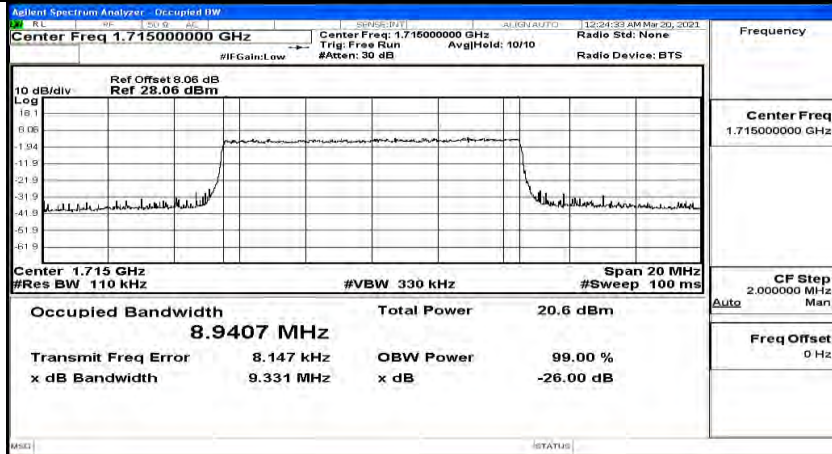
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK



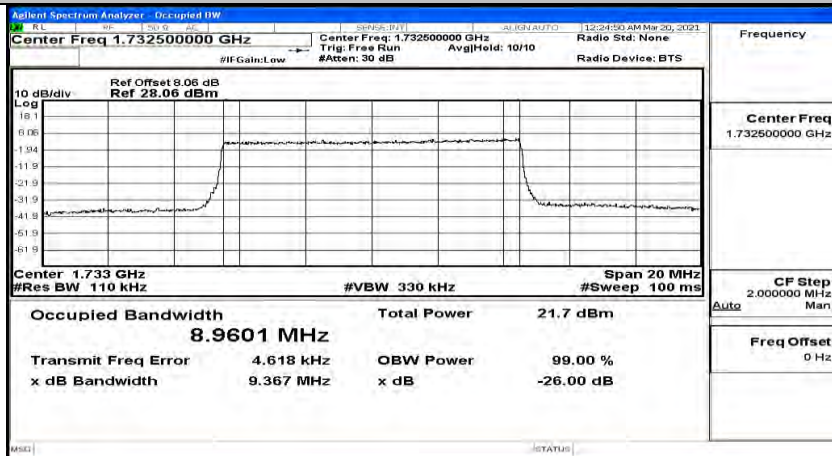
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



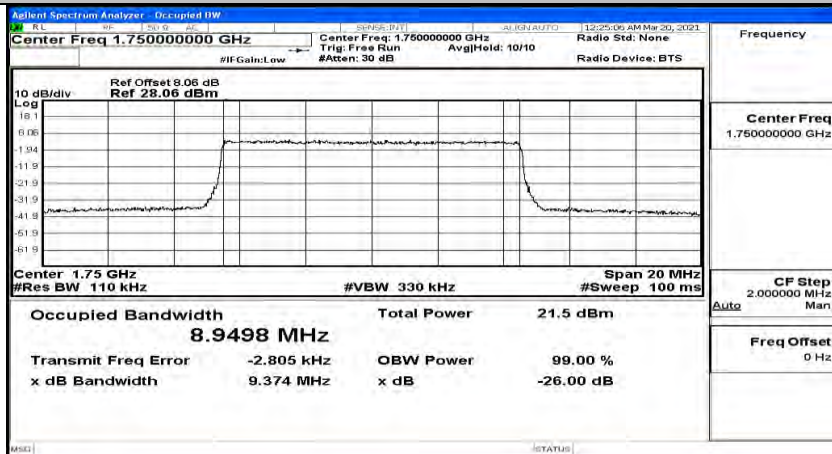
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



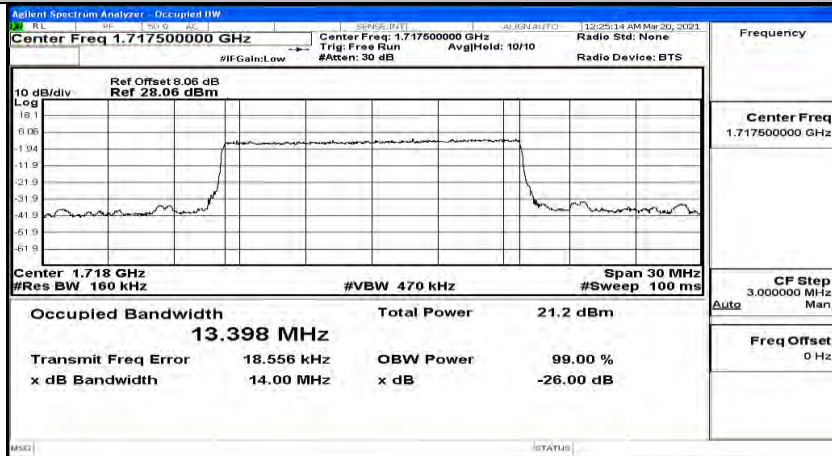
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM



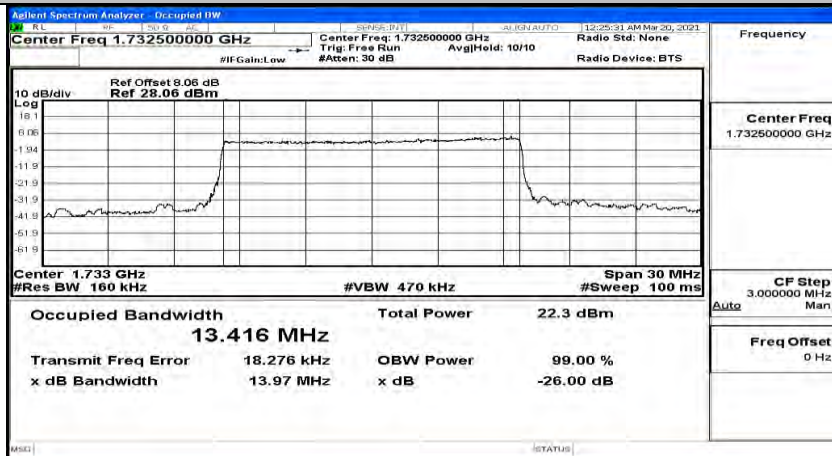
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



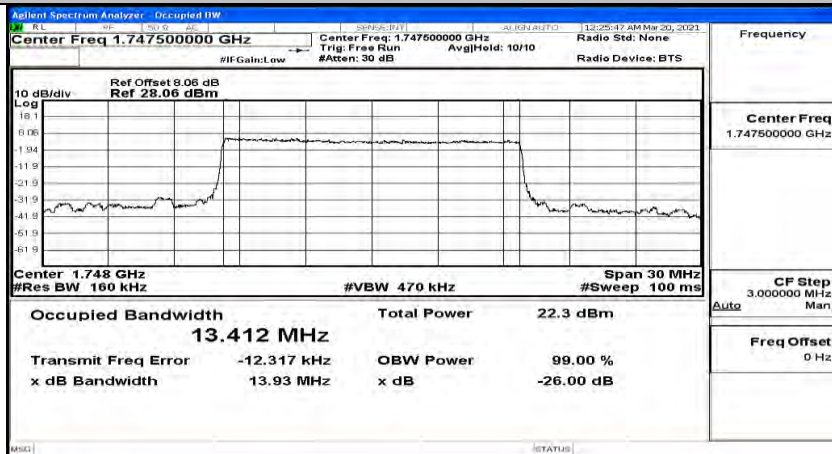
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



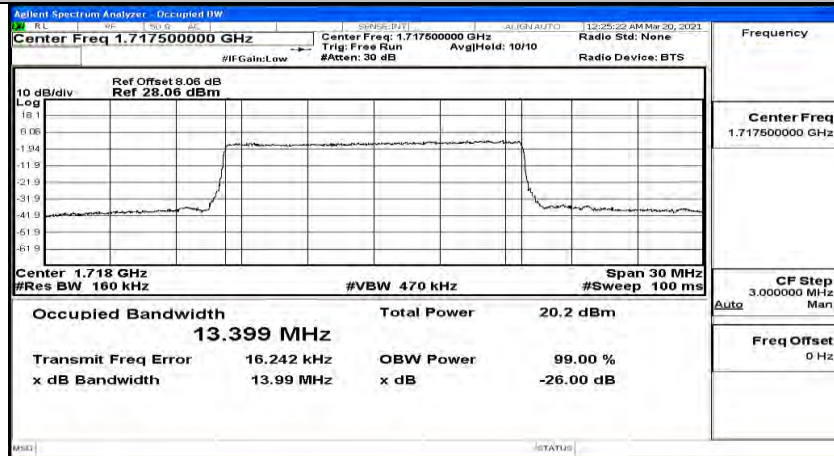
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_QPSK



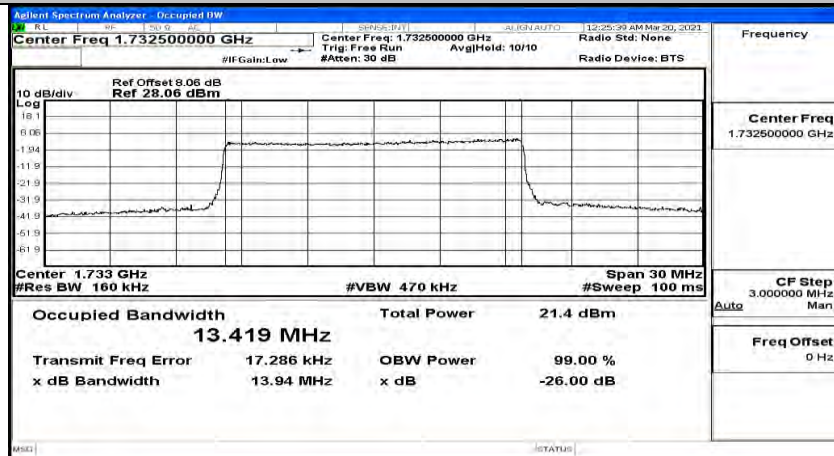
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



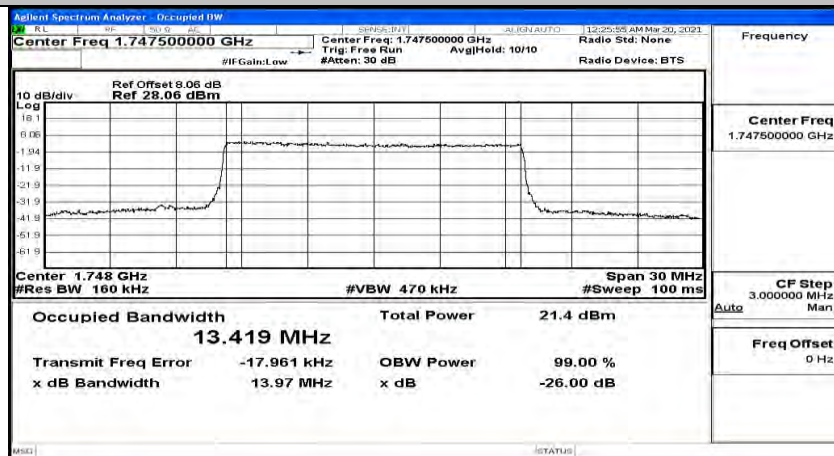
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



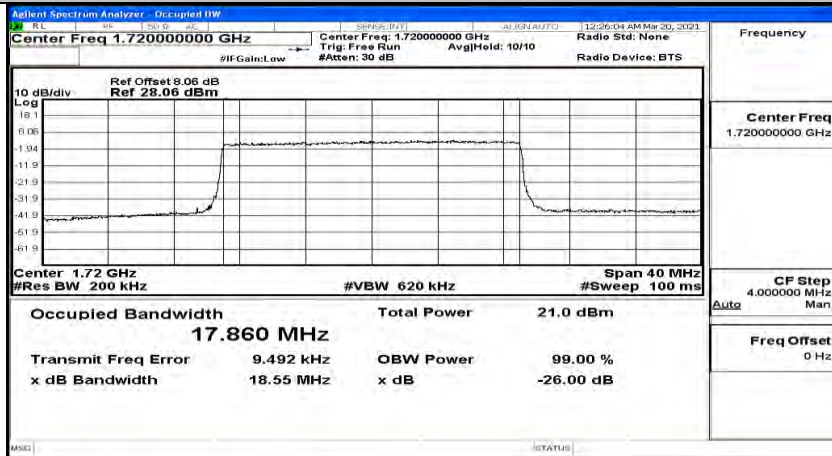
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_MCH_16QAM



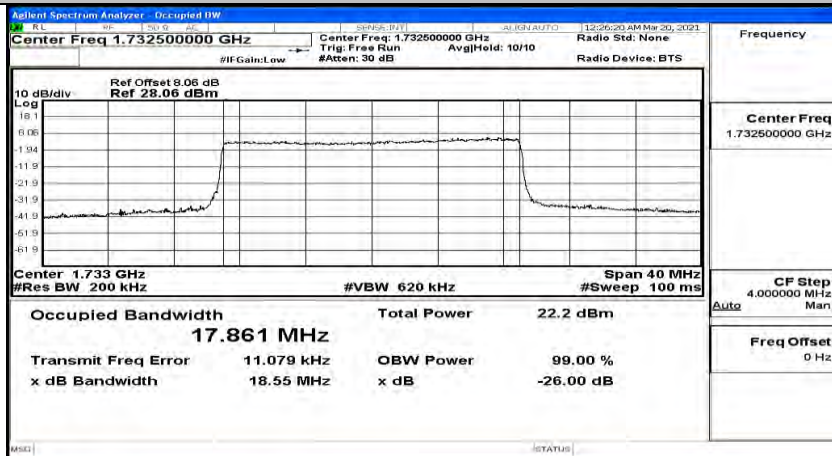
EBW & OBW Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



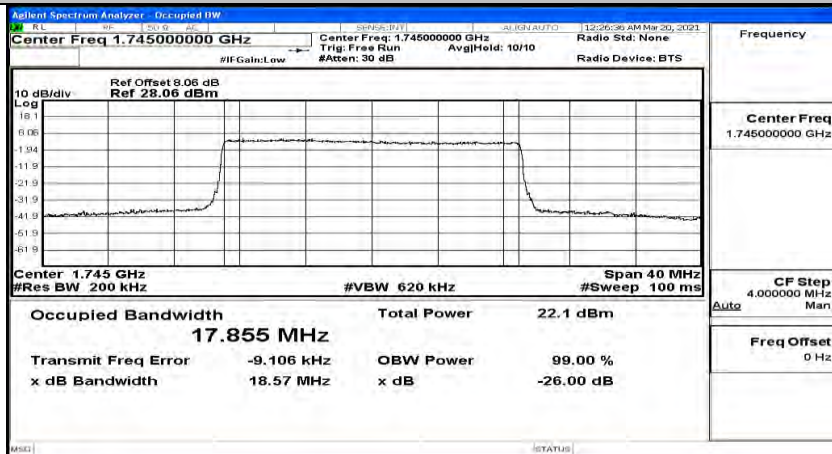
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



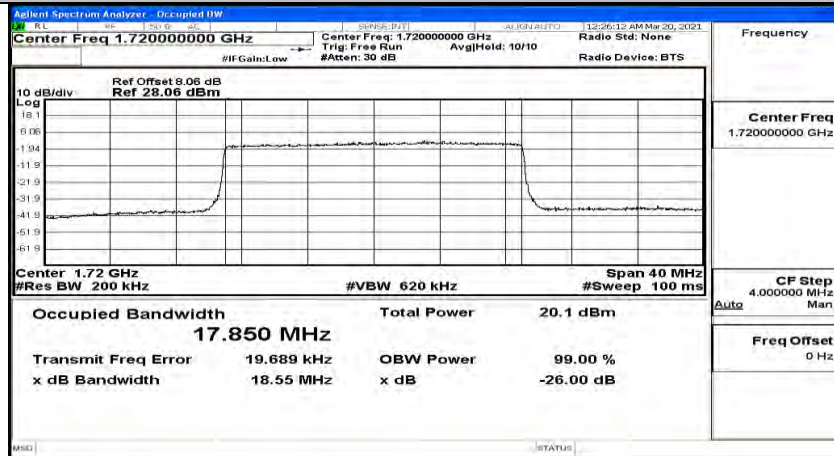
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_MCH_QPSK



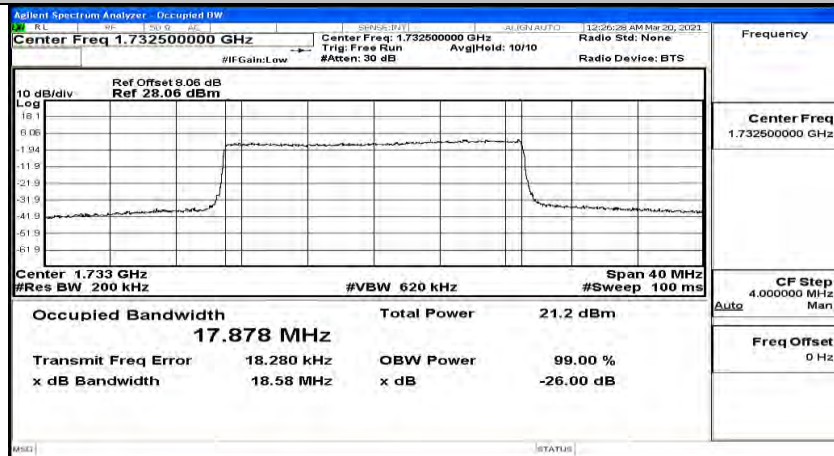
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



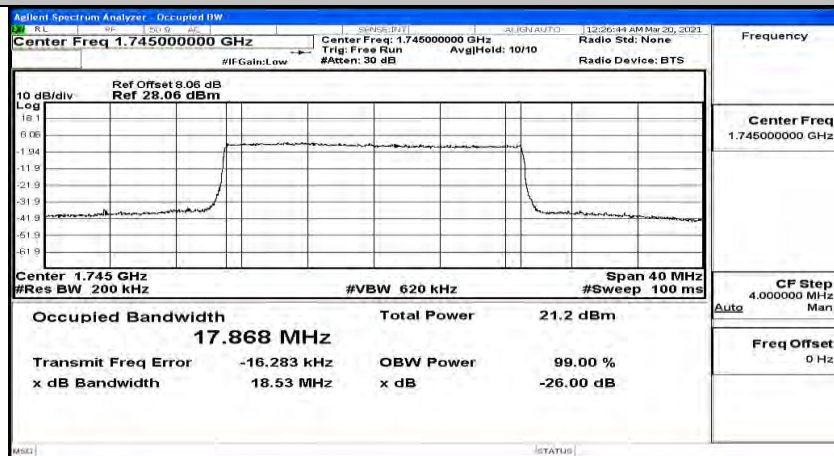
EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_16QAM



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

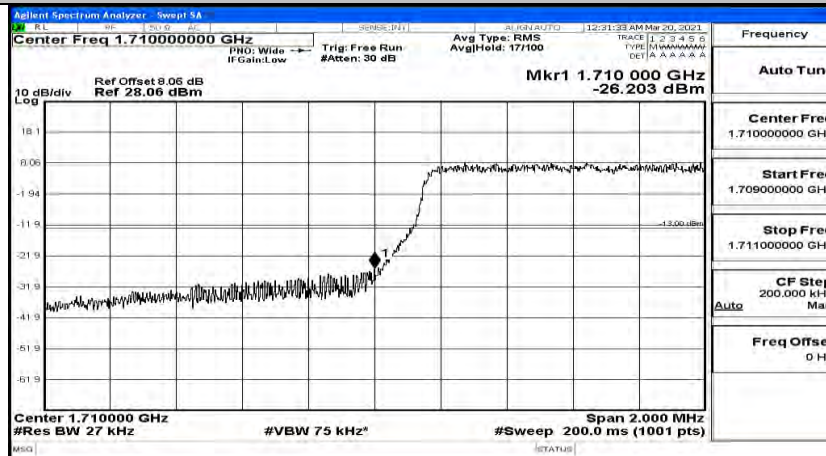


EBW & OBW Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_16QAM



E.4 Band Edge

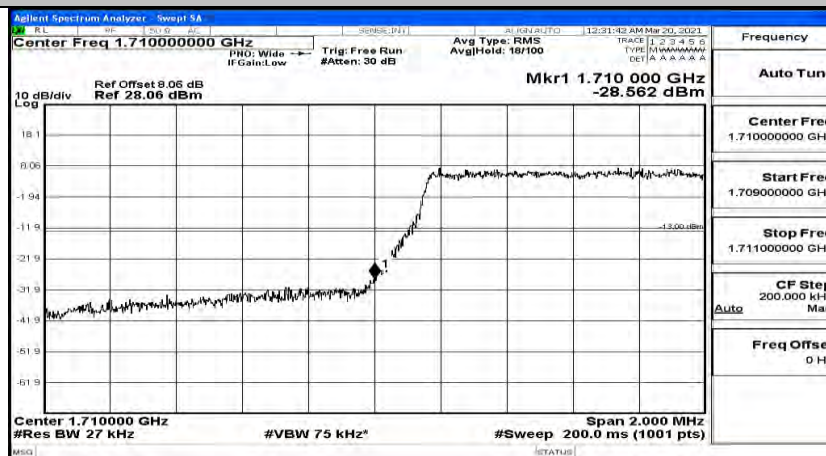
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_QPSK



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



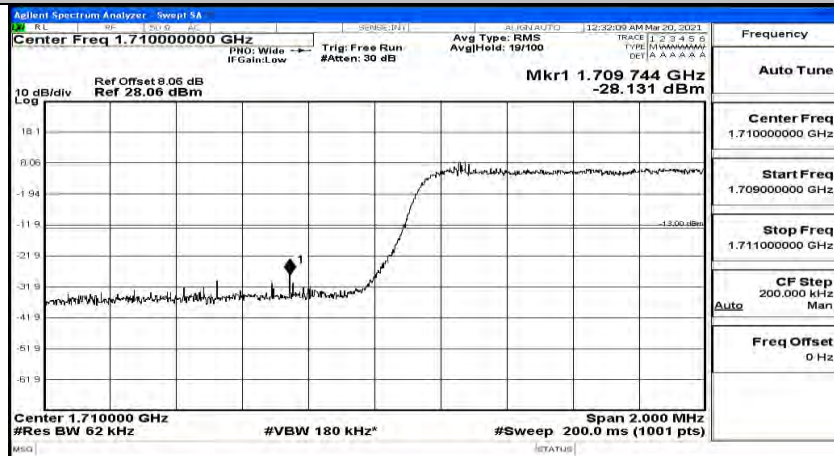
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_LCH_16QAM



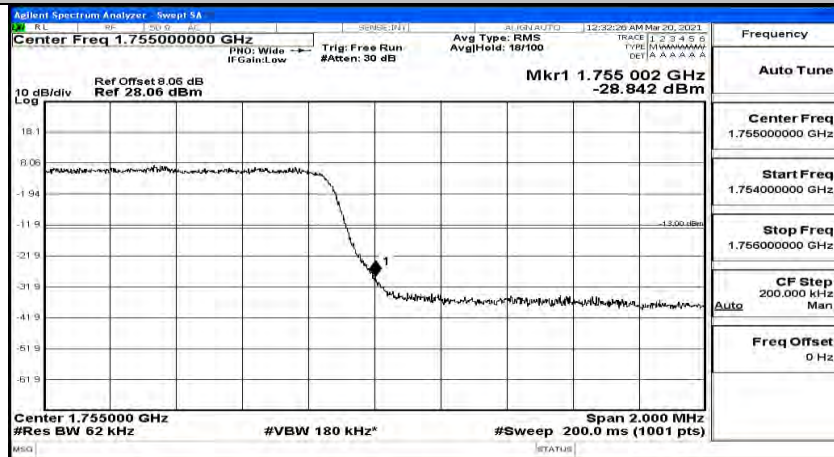
Band Edge Test Graph(s) (Channel Bandwidth: 1.4 MHz)_HCH_16QAM



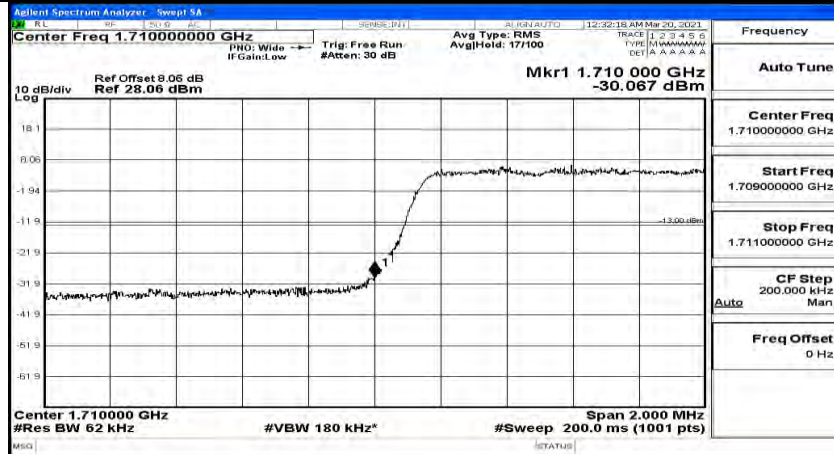
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_QPSK



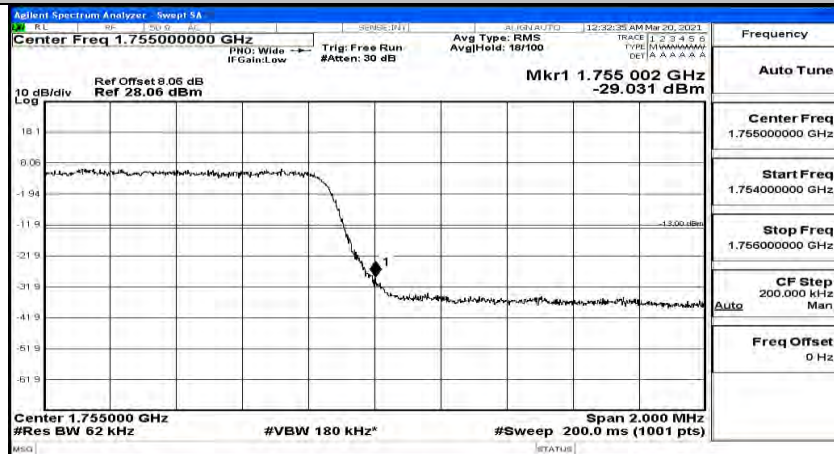
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_HCH_QPSK



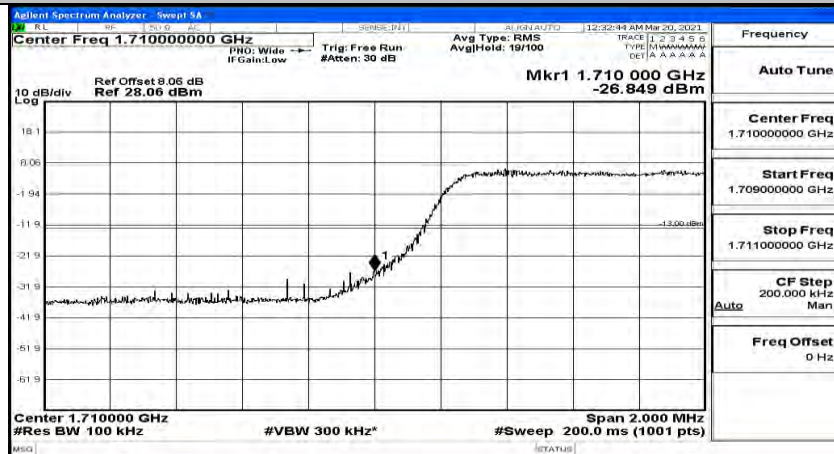
Band Edge Test Graph(s) (Channel Bandwidth: 3 MHz)_LCH_16QAM



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



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



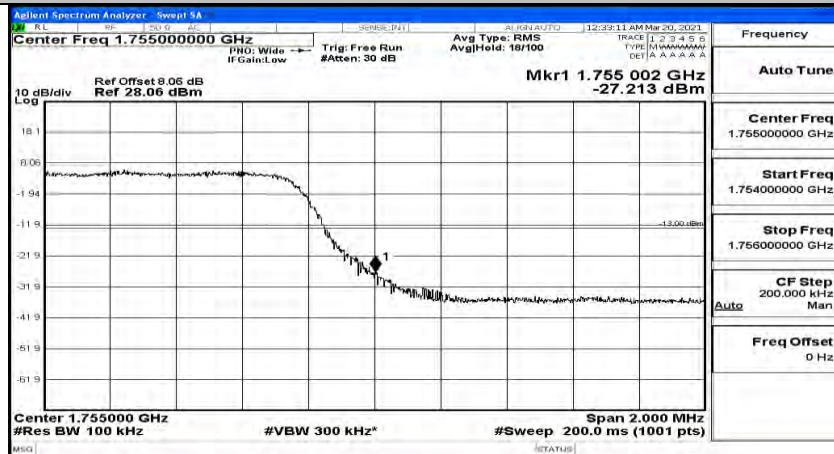
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK



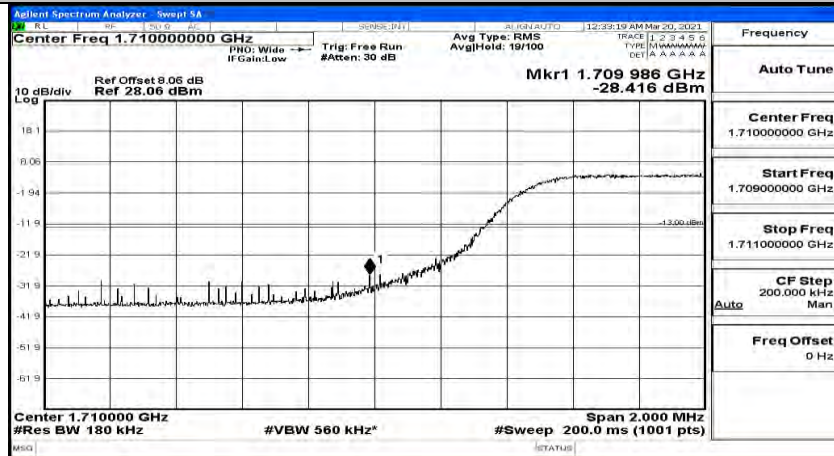
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM



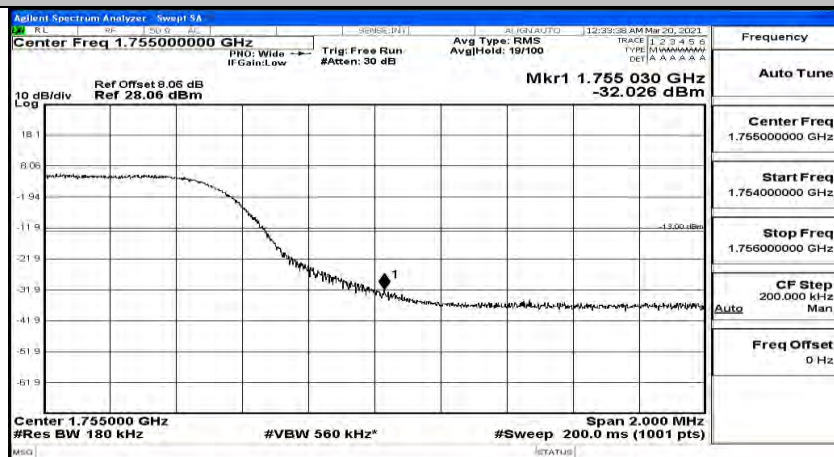
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM



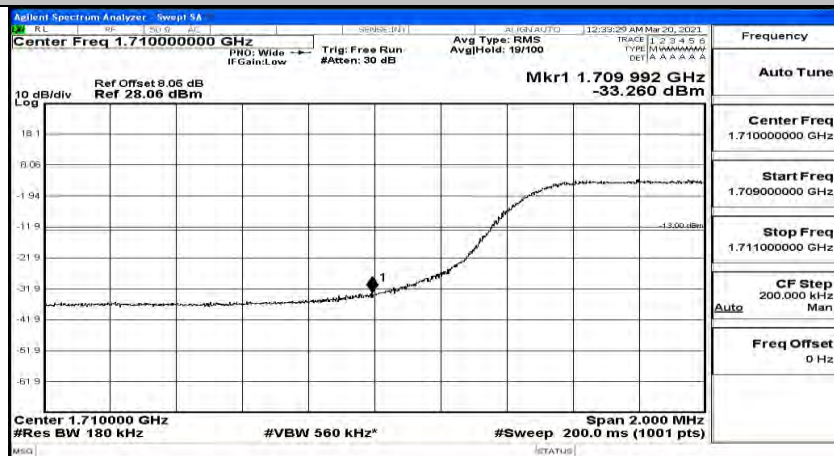
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK



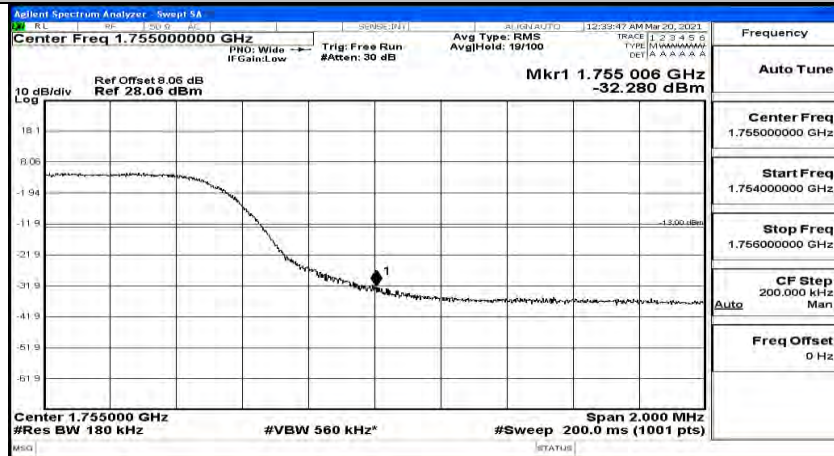
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK



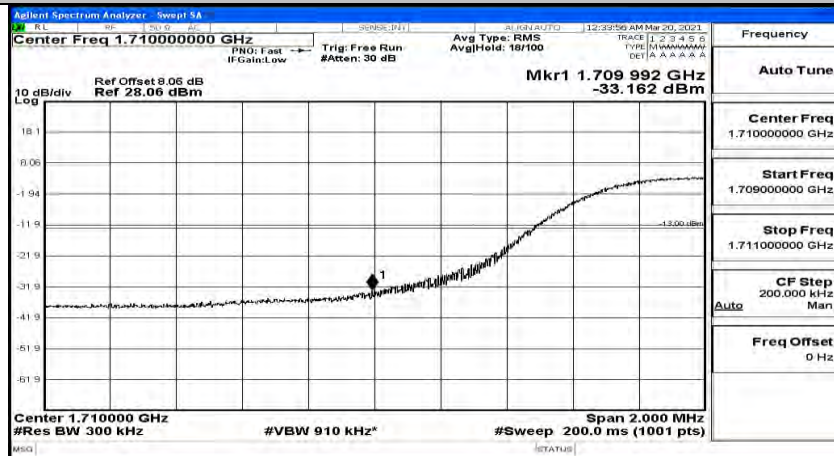
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM



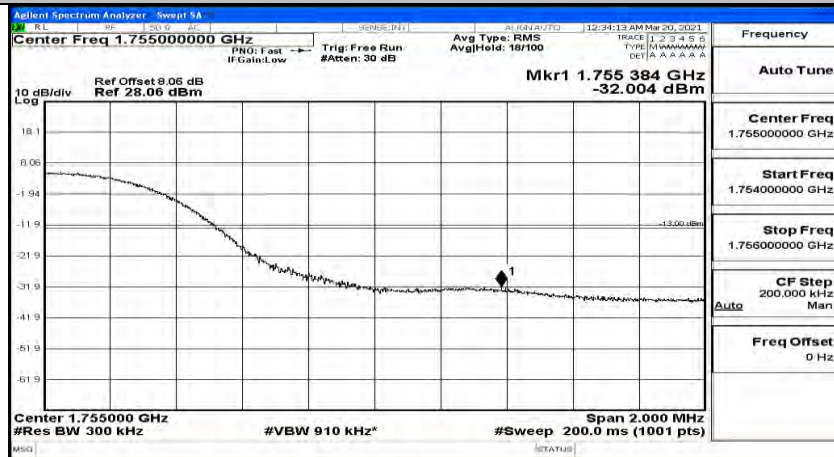
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM



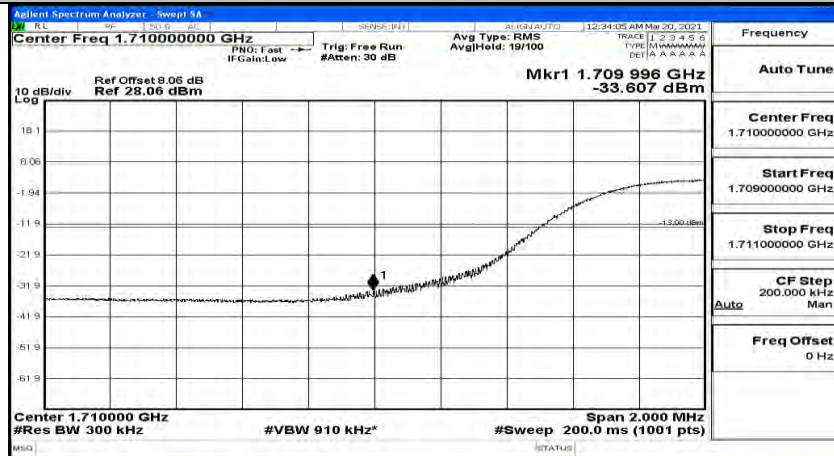
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_QPSK



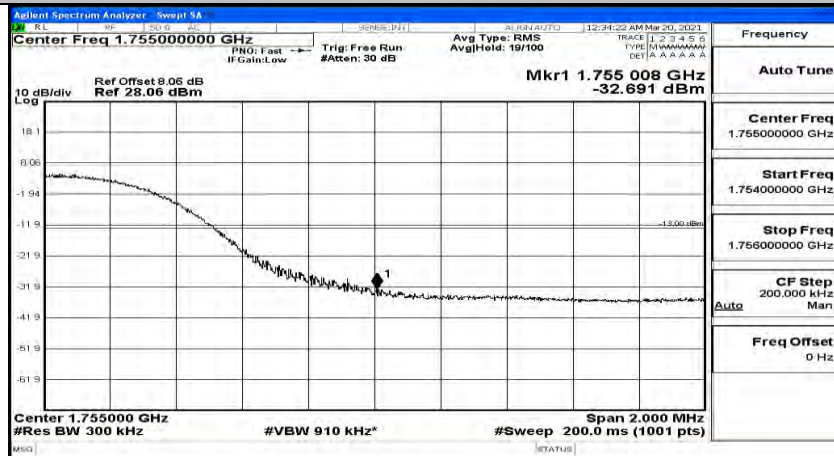
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_QPSK



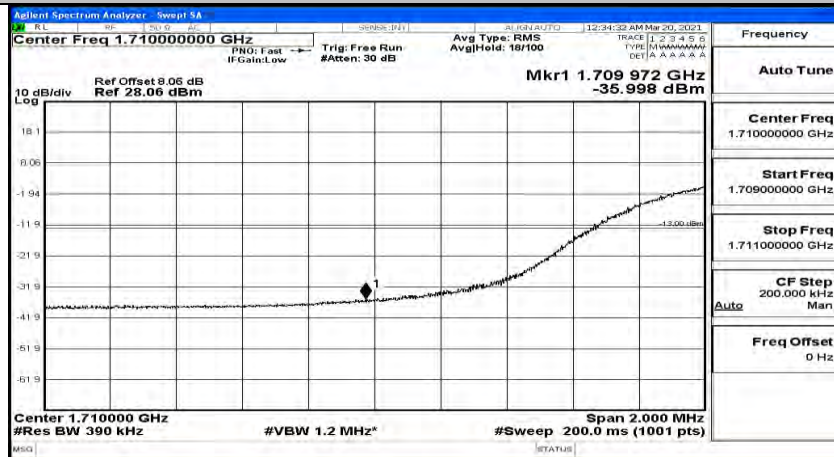
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_LCH_16QAM



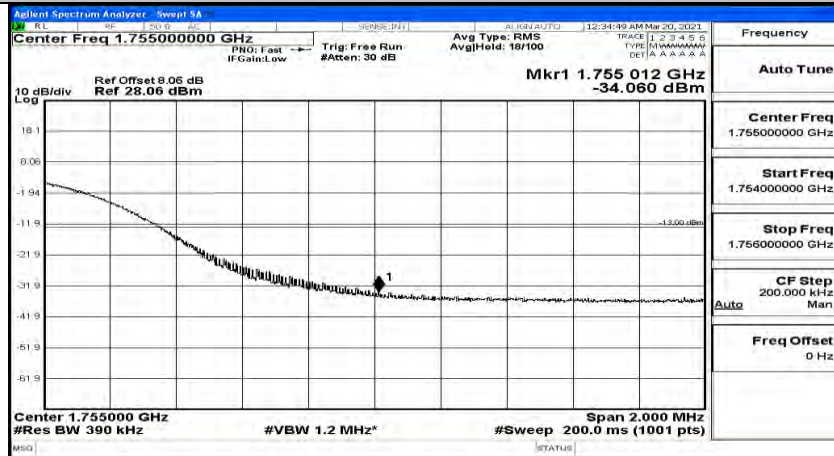
Band Edge Test Graph(s) (Channel Bandwidth:15 MHz)_HCH_16QAM



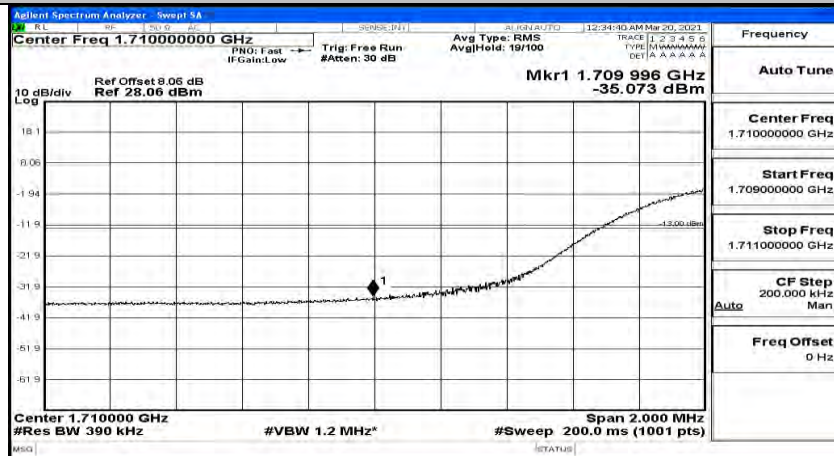
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_LCH_QPSK



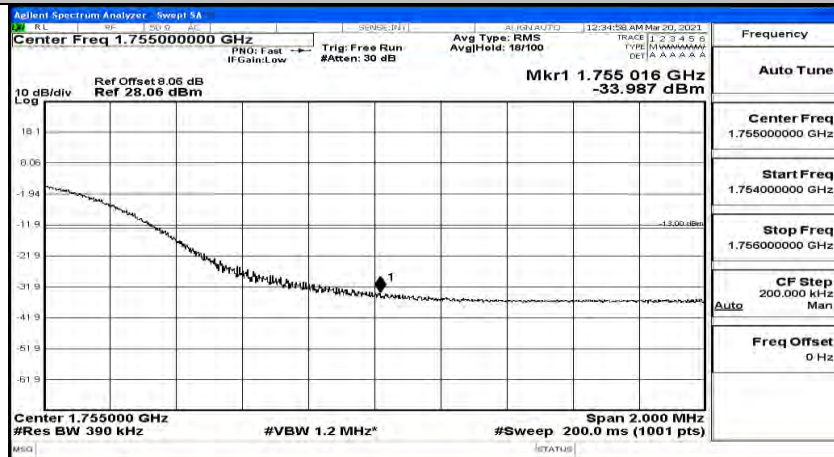
Band Edge Test Graph(s) (Channel Bandwidth:20 MHz)_HCH_QPSK



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



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

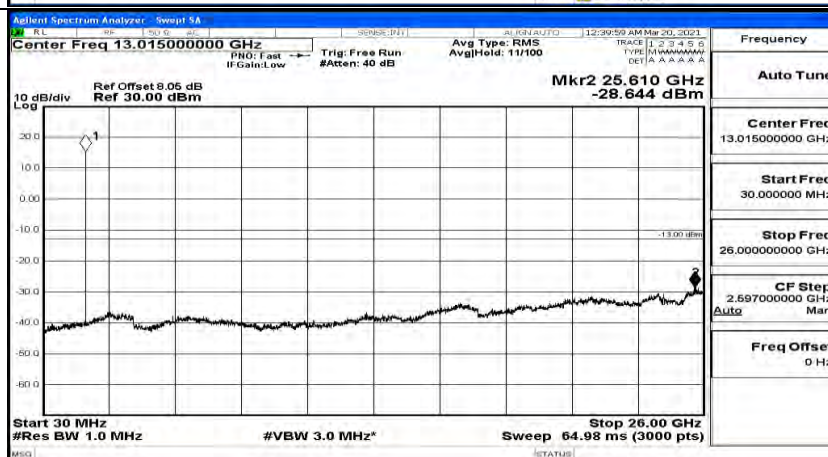
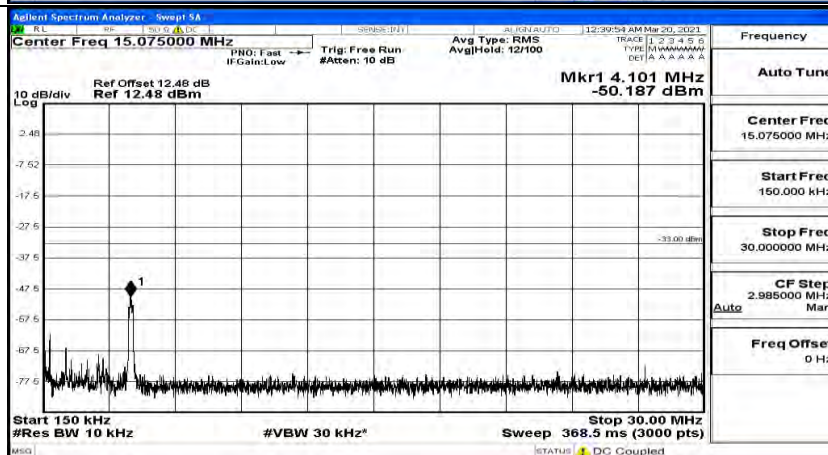
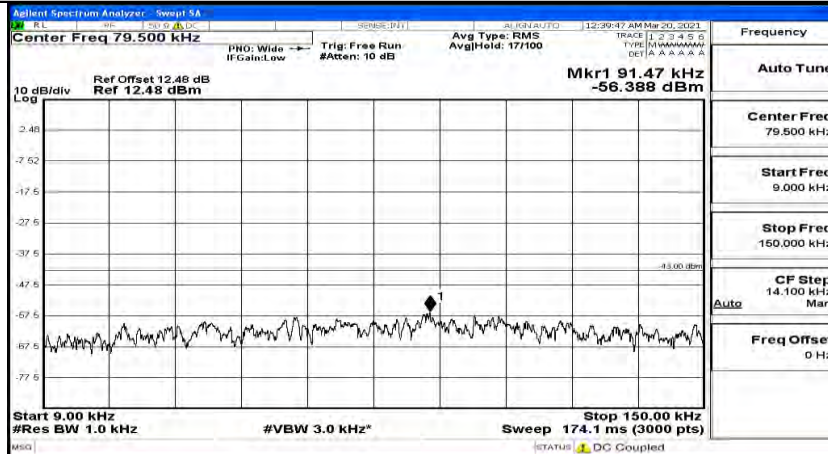


E.5 Conducted Spurious Emission

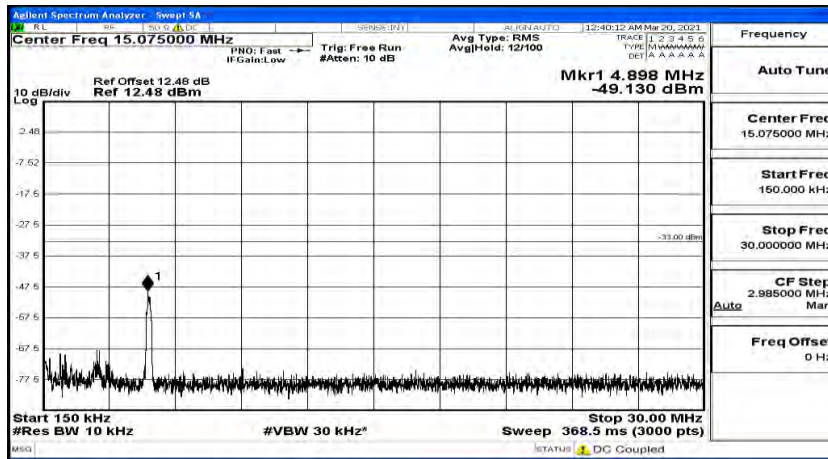
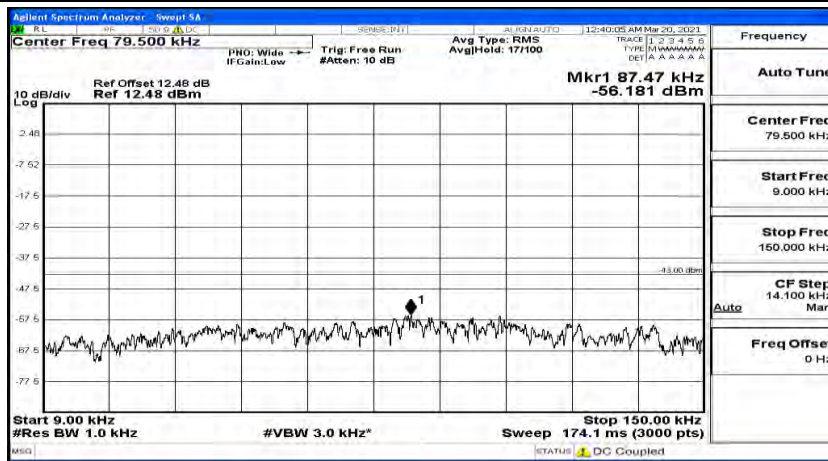
Test Graphs

Channel Bandwidth: 1.4 MHz

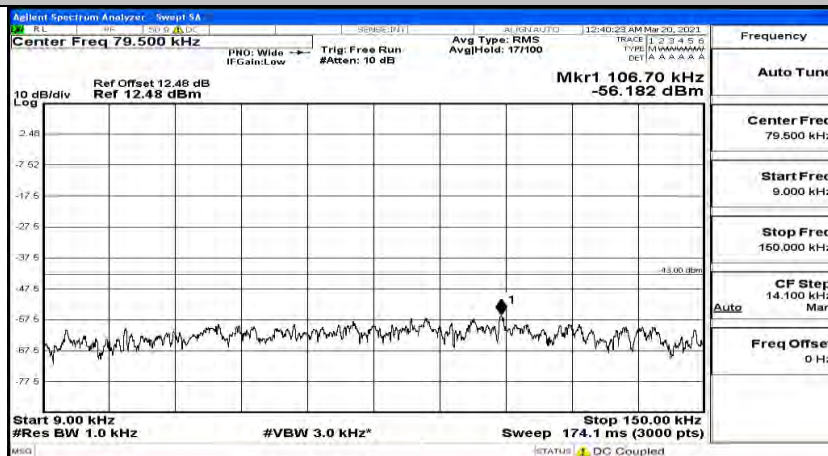
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

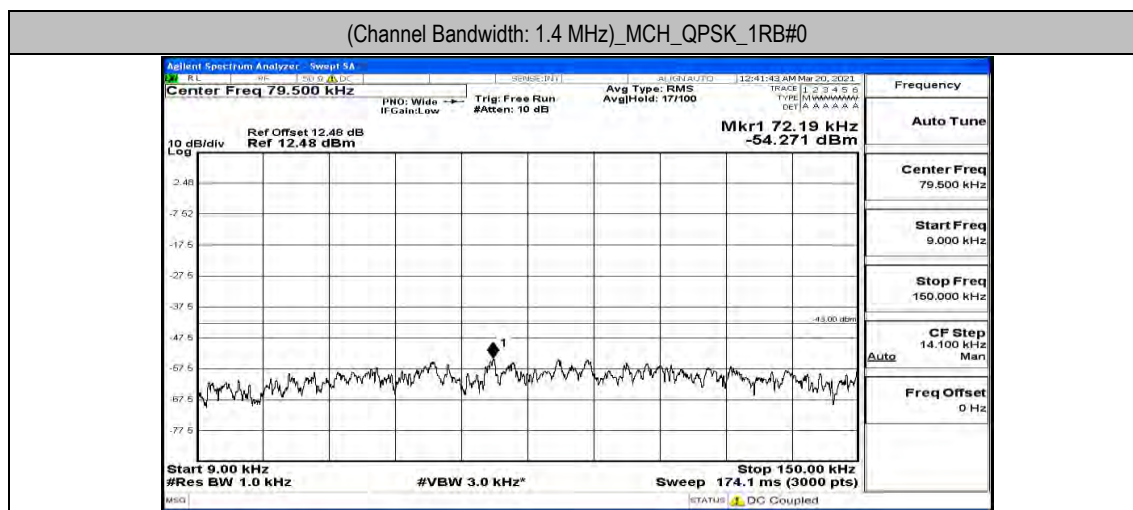


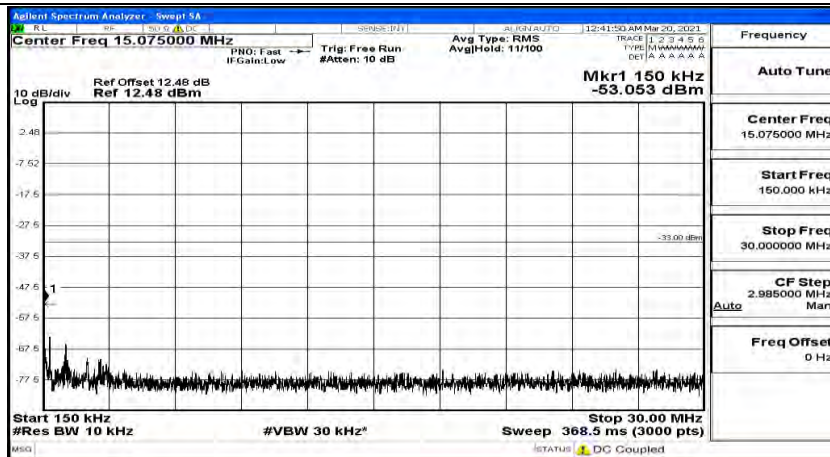
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



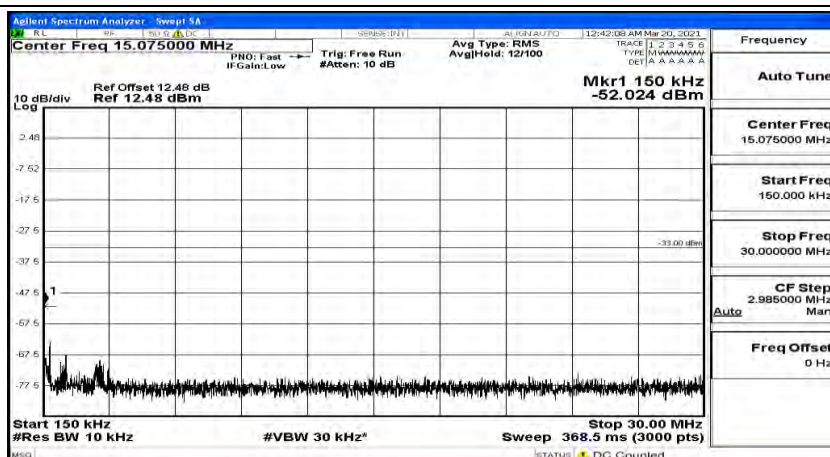
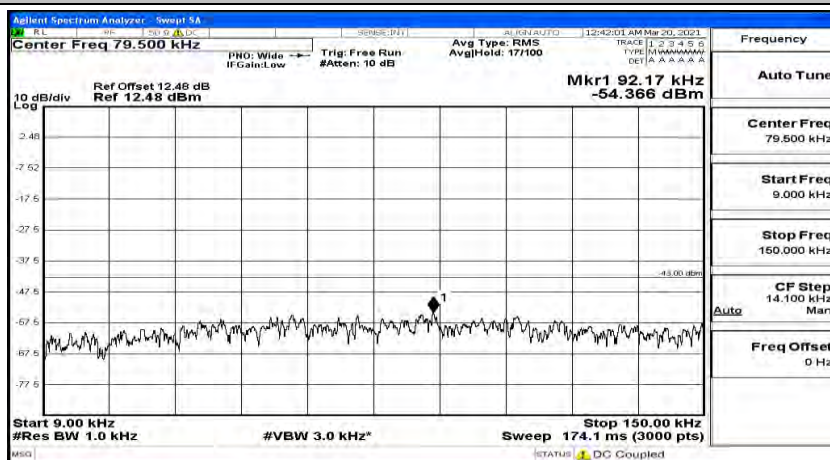
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5





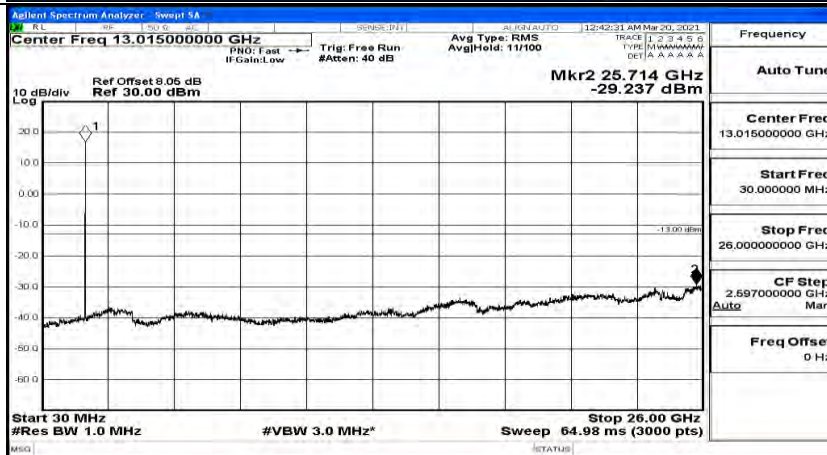
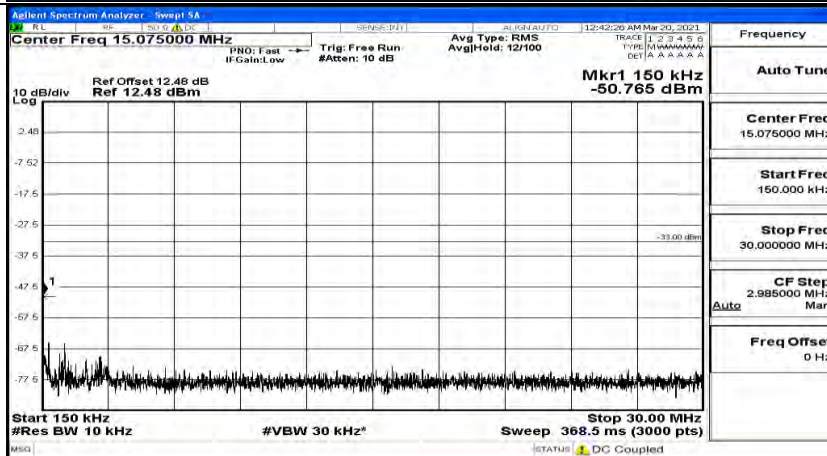
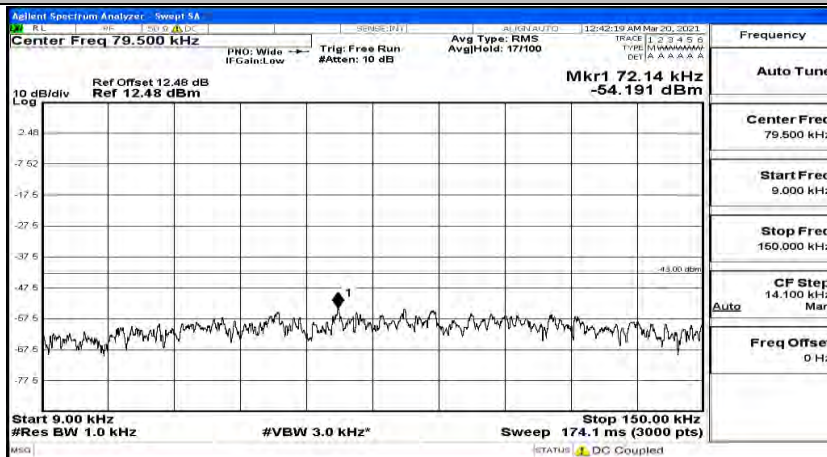


(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

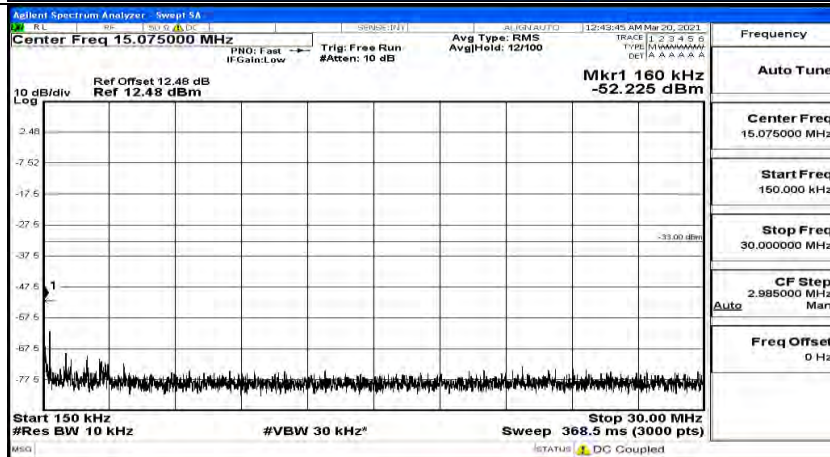
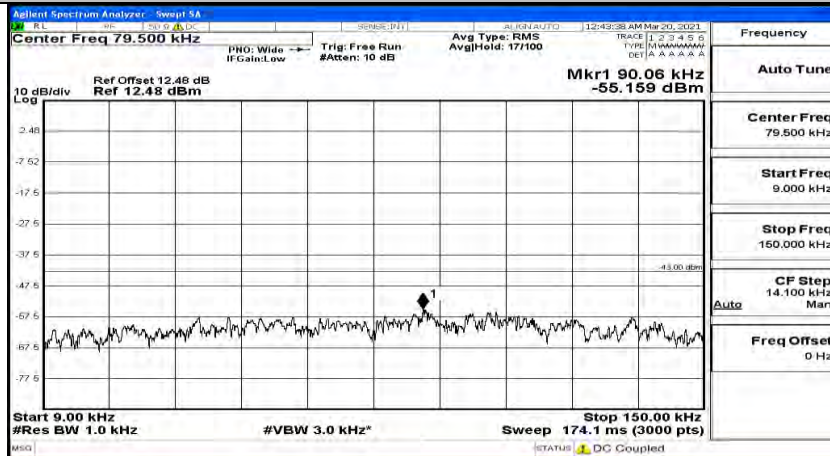




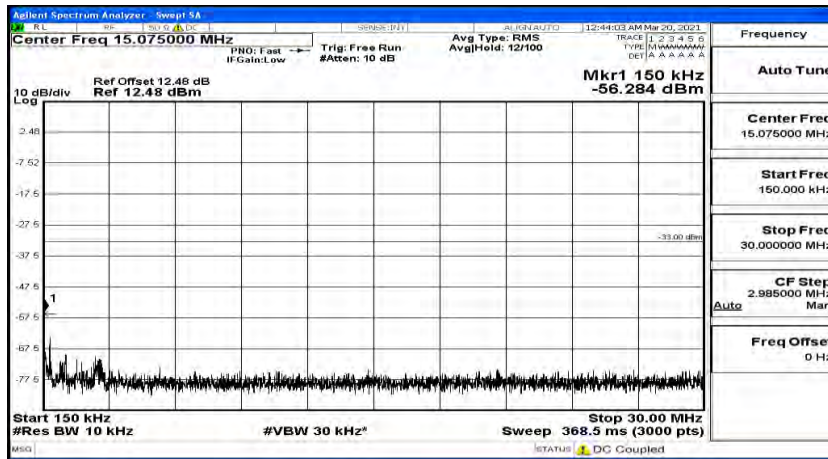
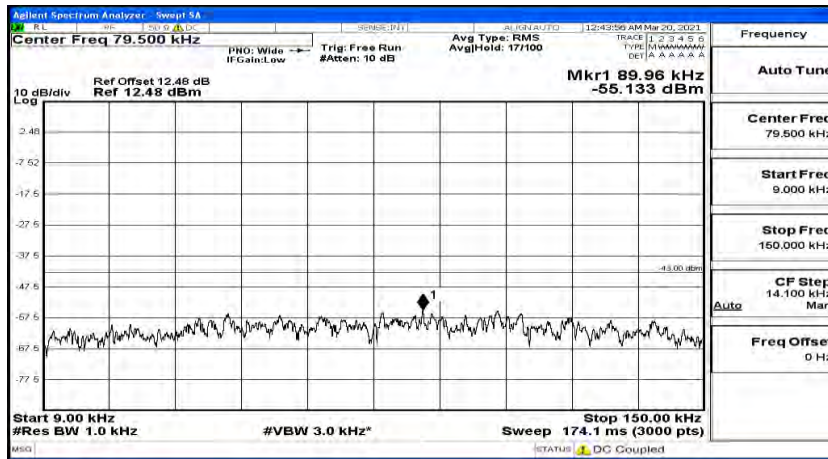
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



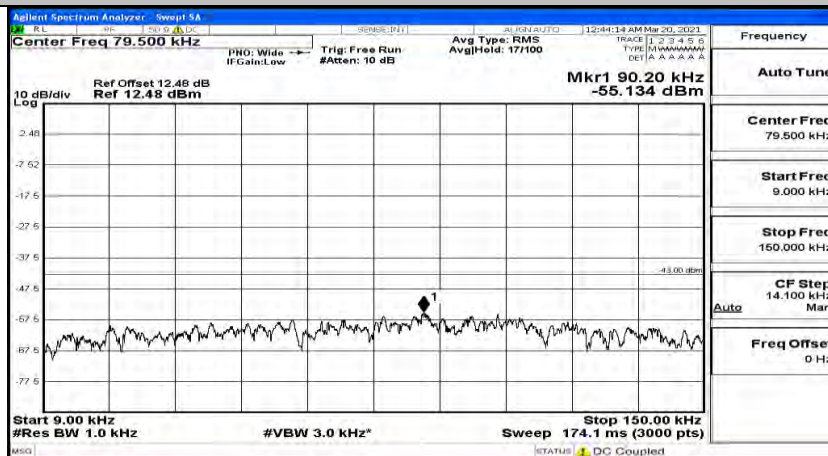
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

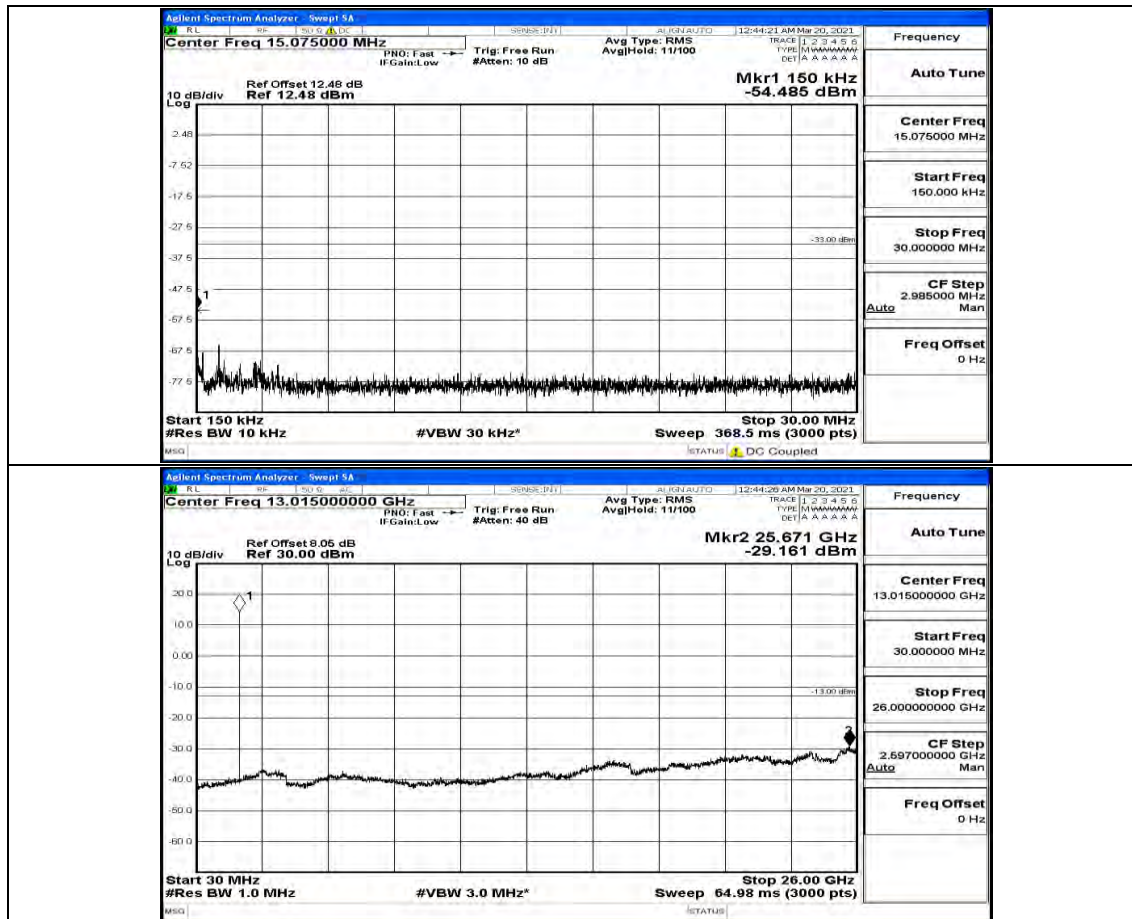


(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

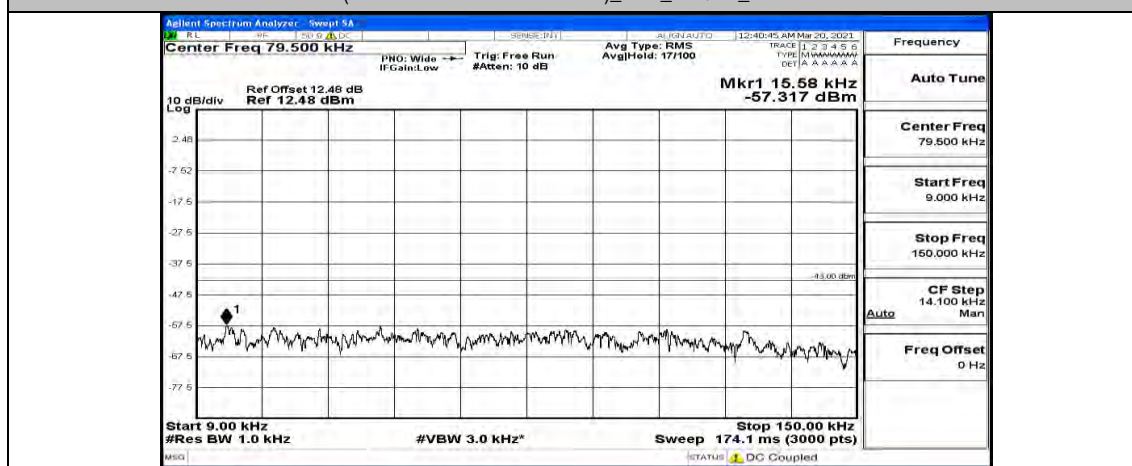


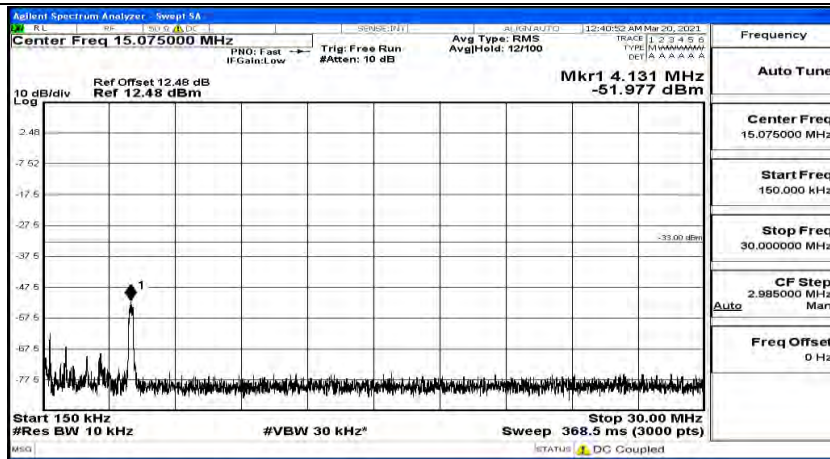
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



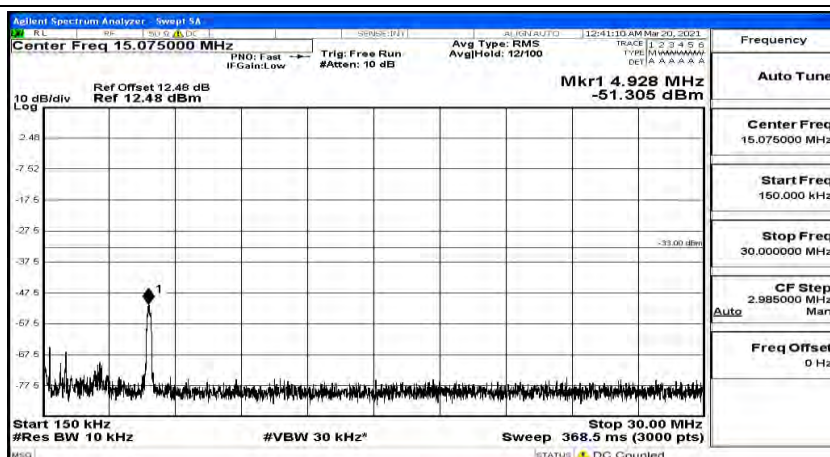
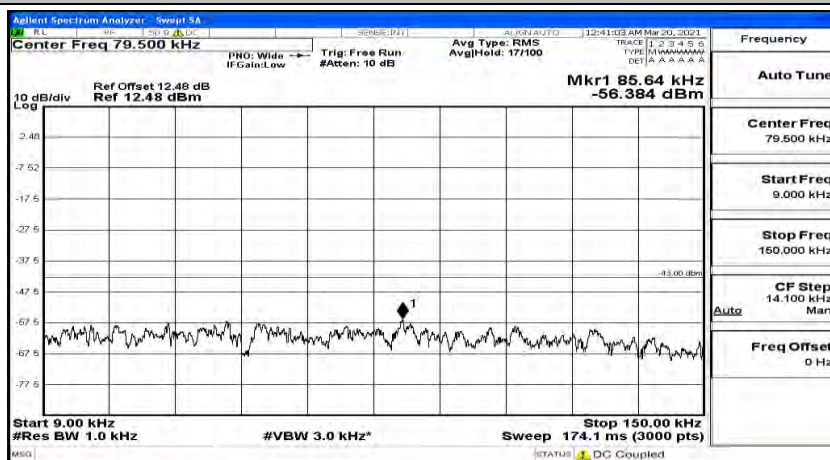


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



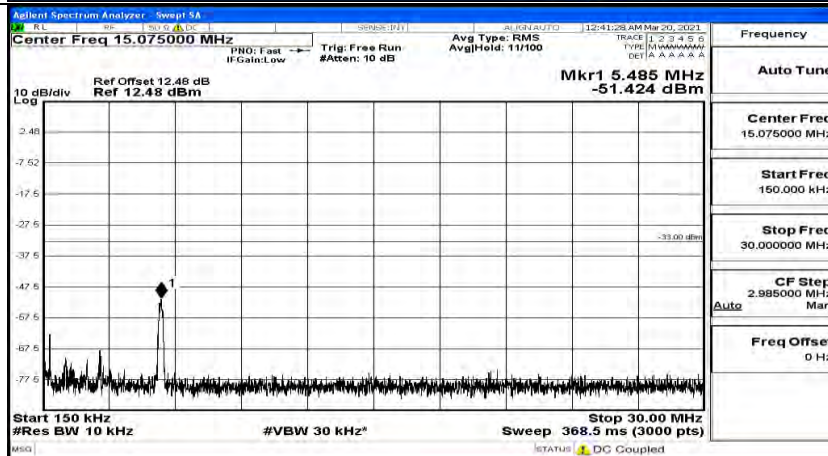
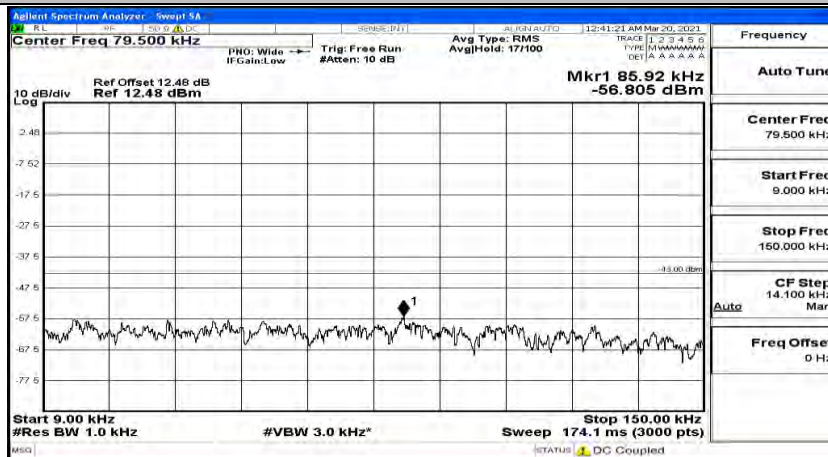


(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

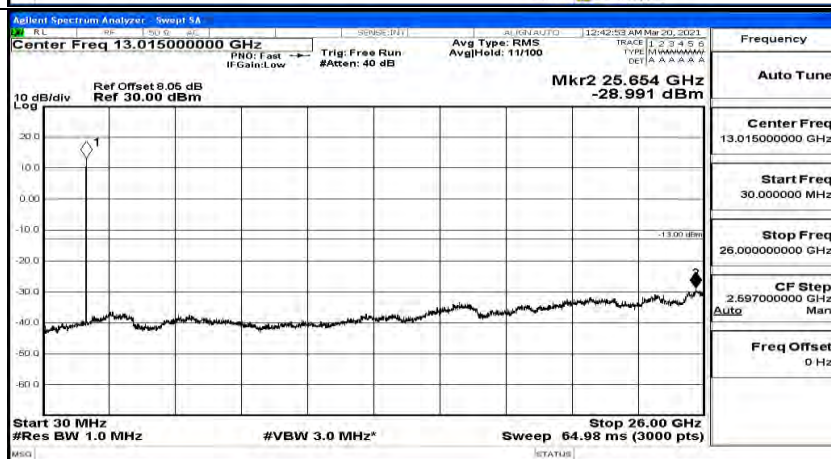
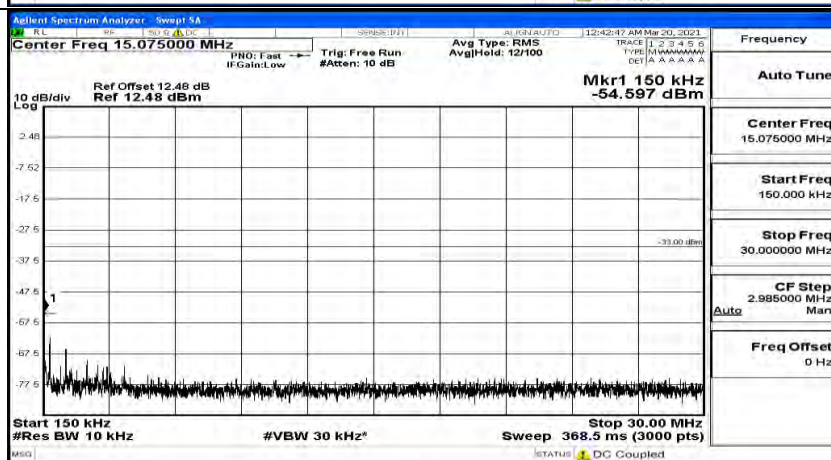
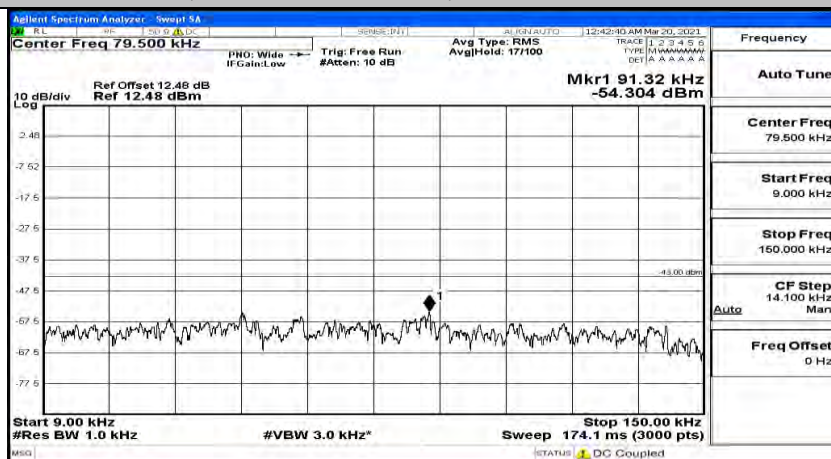




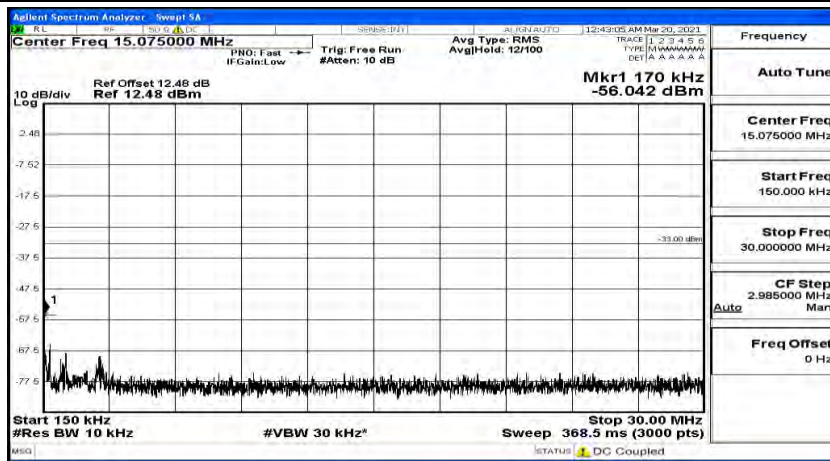
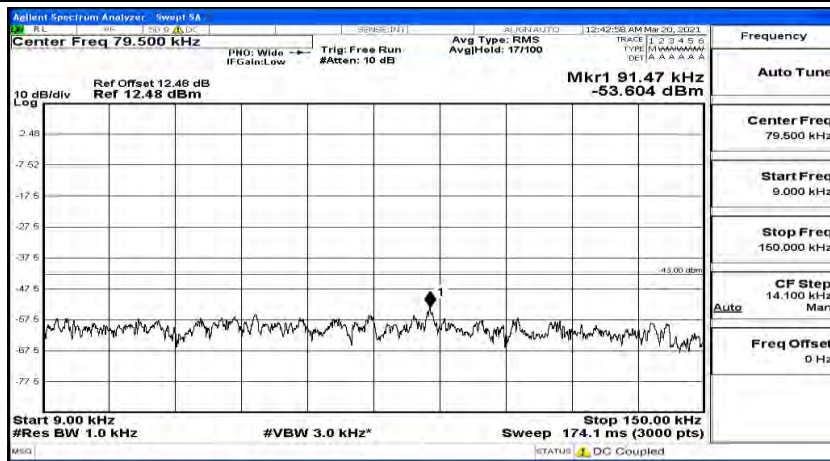
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



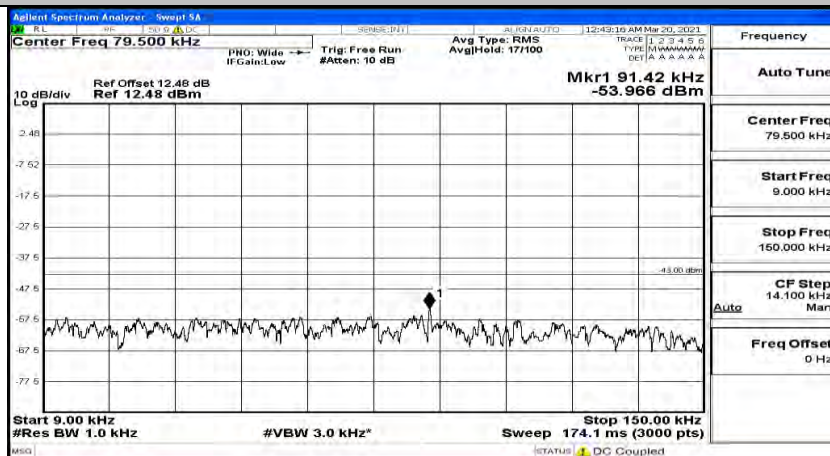
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0

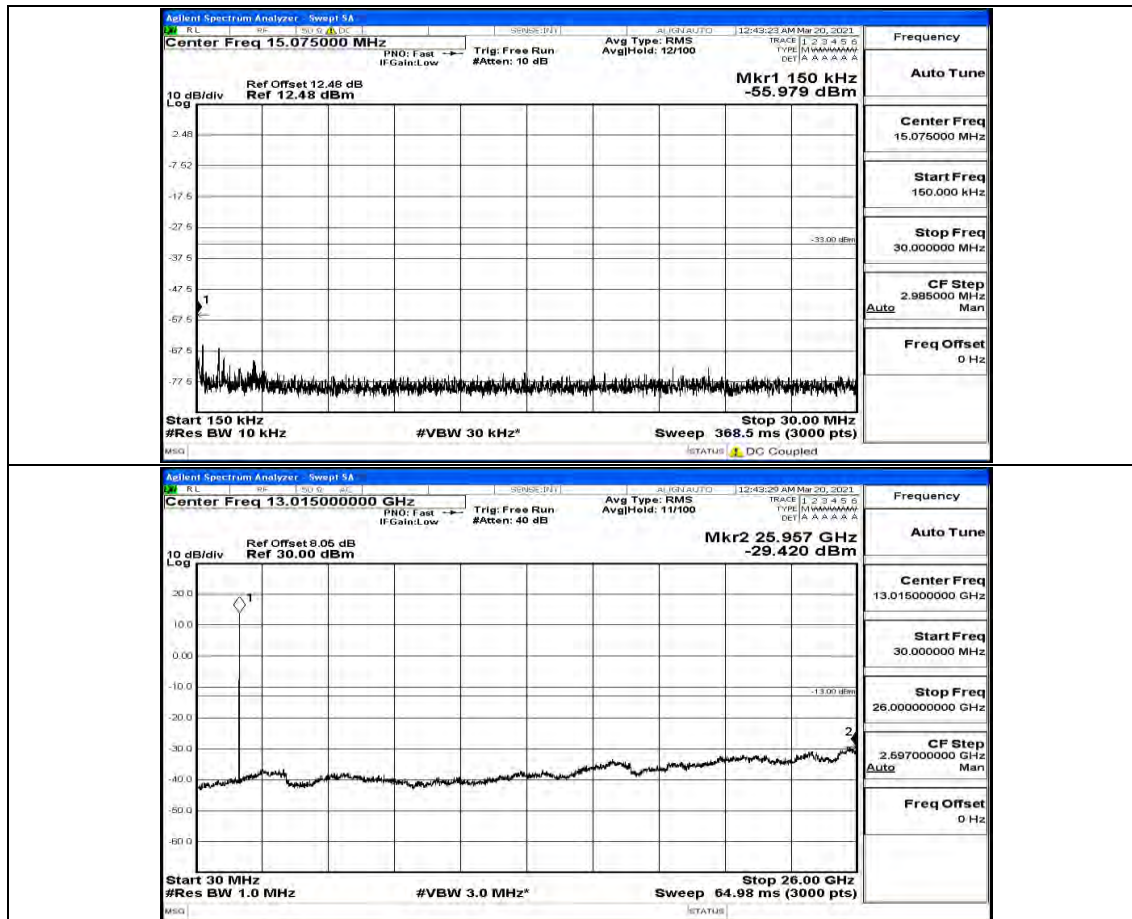


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3

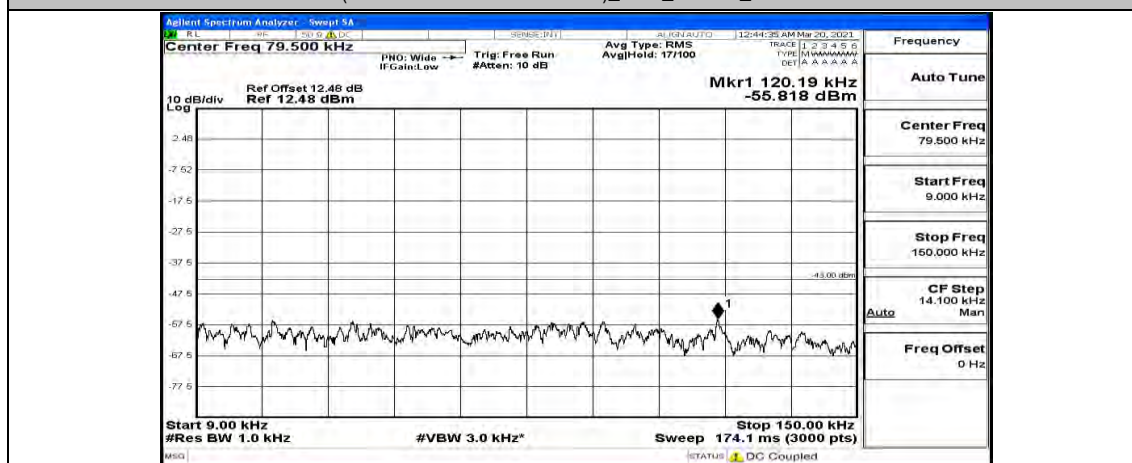


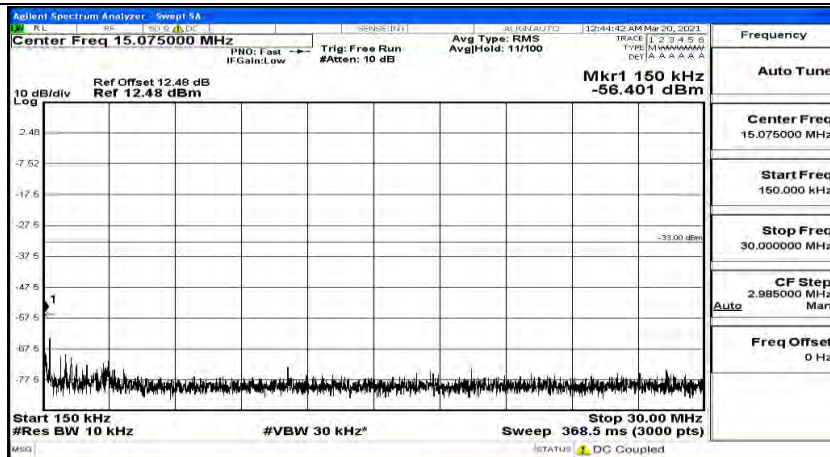
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



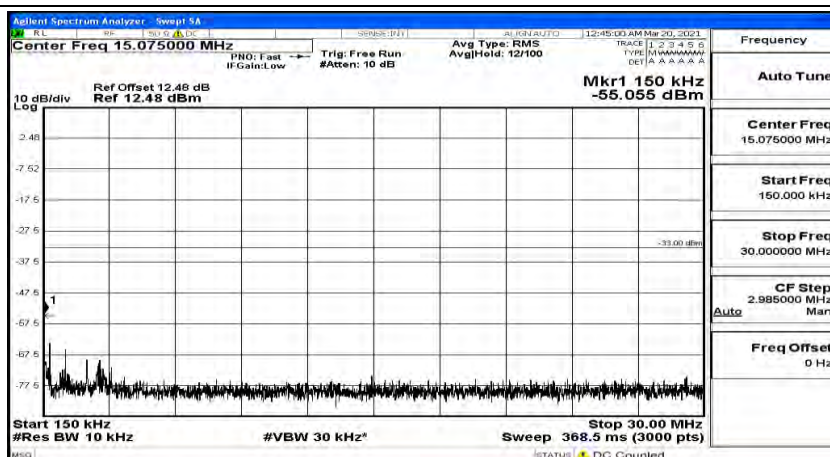
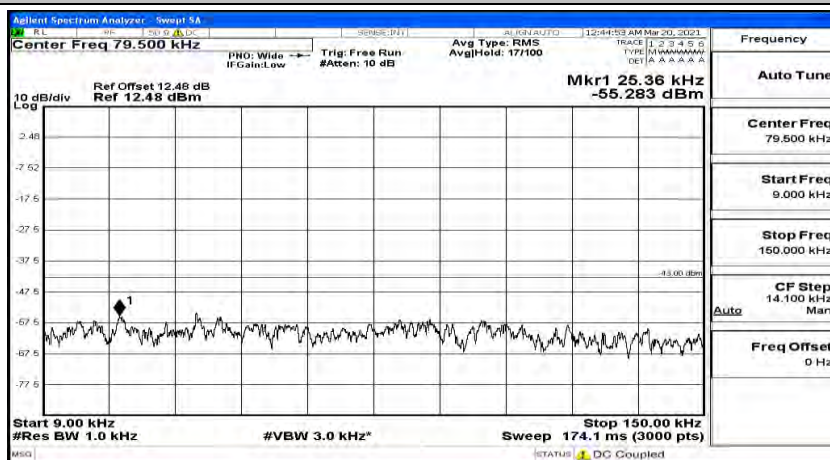


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



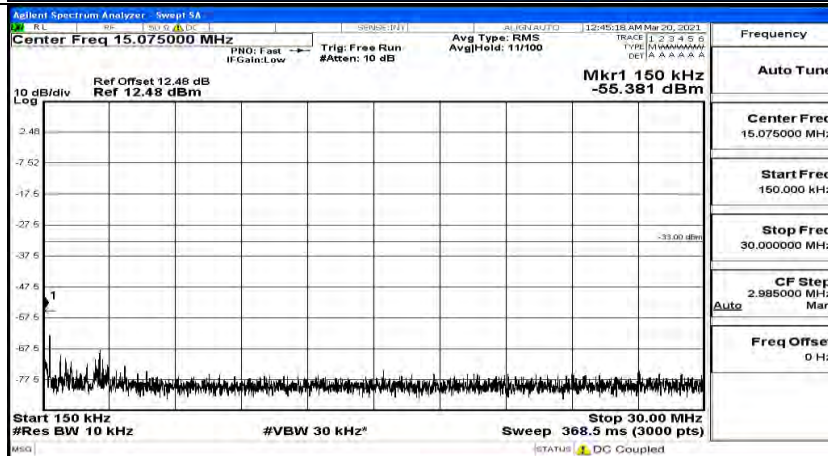
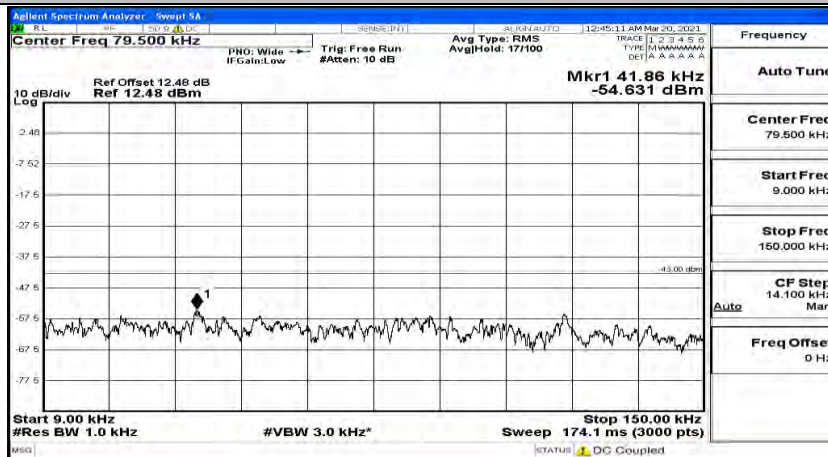


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



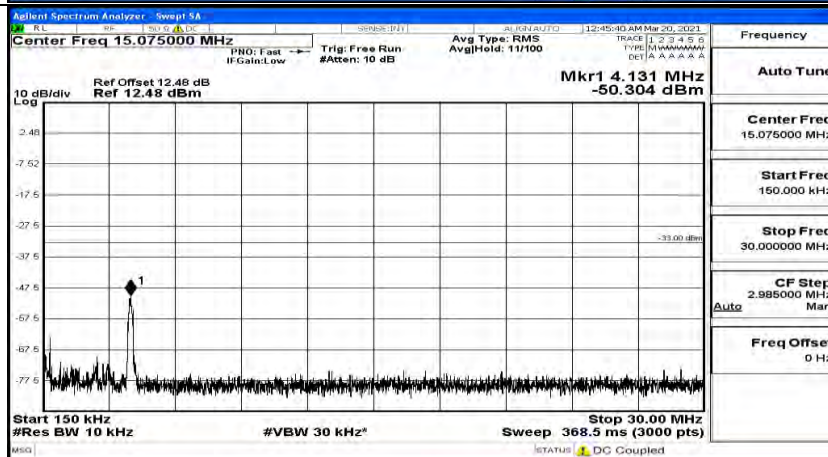
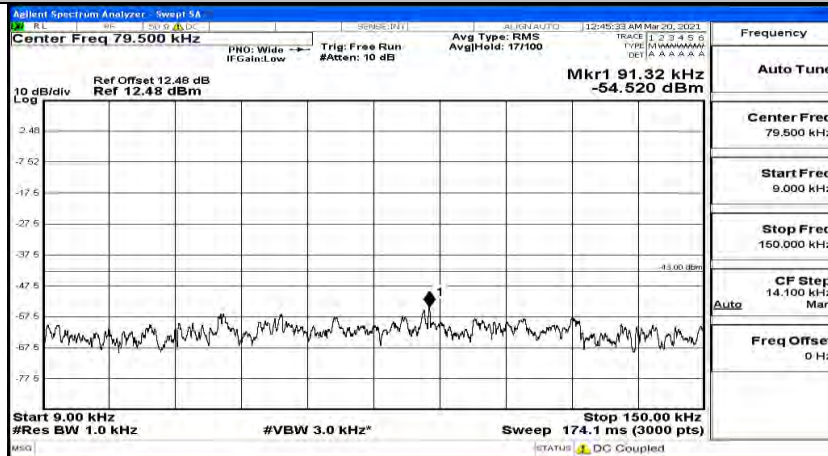


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5

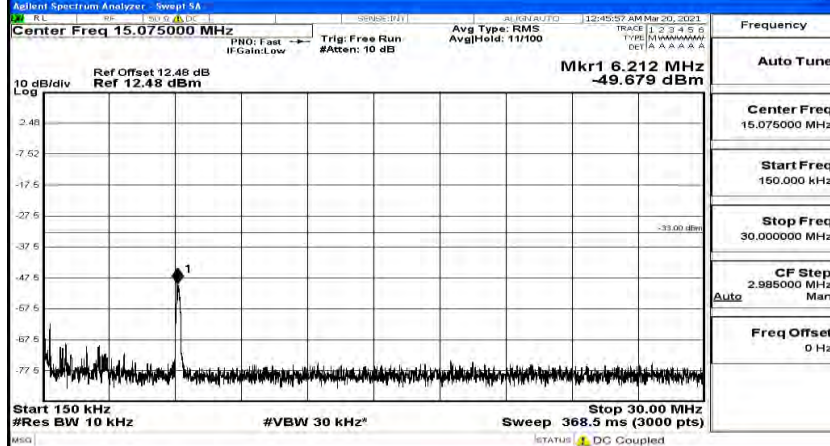
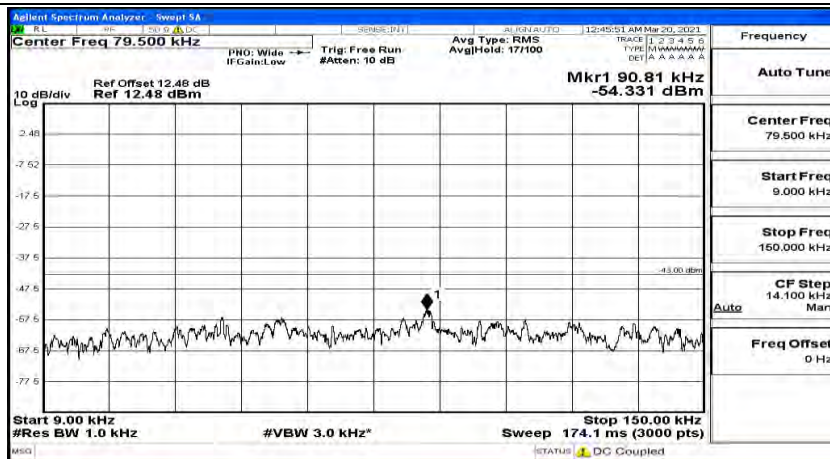


Channel Bandwidth: 3 MHz

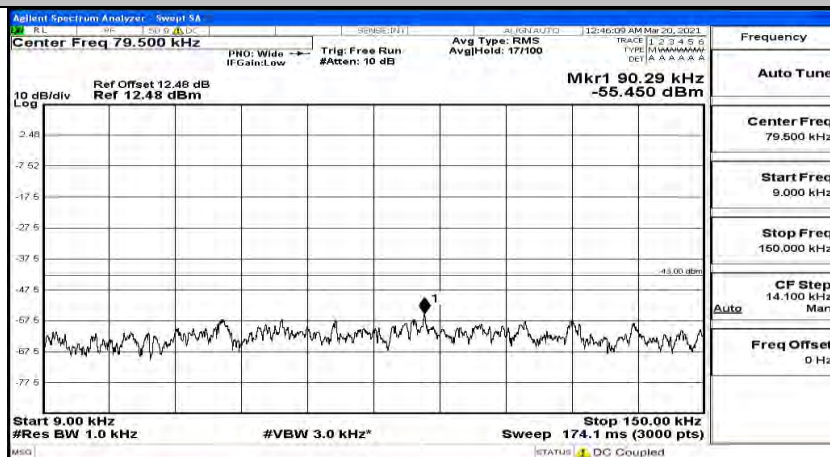
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

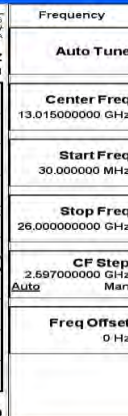
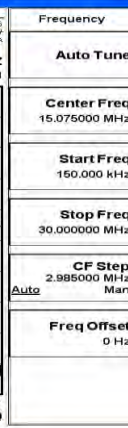


(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14





Agilent Spectrum Analyzer - Sweet SA

13.300000 MHz FREQ (kHz)

Center Freq 79.500 kHz

PRF: Wide → IF Gain: Low

Trig: Free Run

Avg Type: RMS

Avg/Hold: 17/100

12:47:25 AM Mar 20, 2011

TRACE 1 2 3 4 5 6

TYPE: MATH

DET: A A A A A A

Frequency

Auto Tune

Mkr1 106.65 kHz

-54.518 dBm

10 dBdiv

Ref Offset 12.48 dB

Ref 12.48 dBm

Log

Start 9.00 kHz

#Res BW 1.0 kHz

#VBW 3.0 kHz*

Stop 150.00 kHz

Sweep 174.1 ms (3000 pts)

1

-54.518 dBm

Auto

CF Step

14.100 kHz

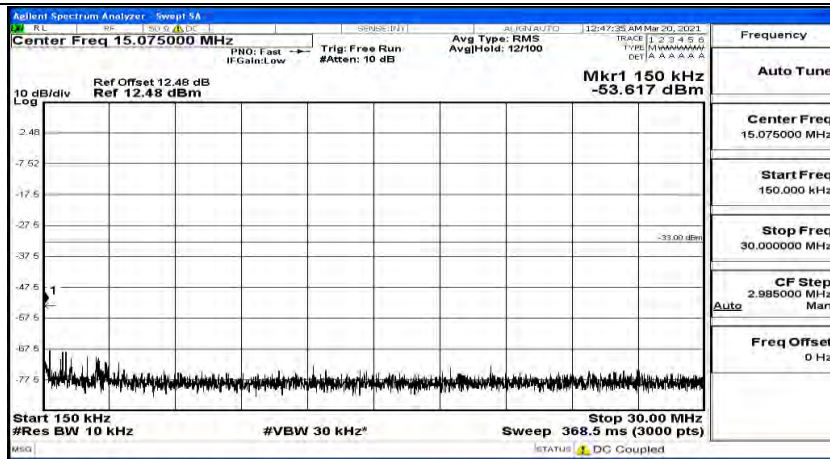
Man

Freq Offset

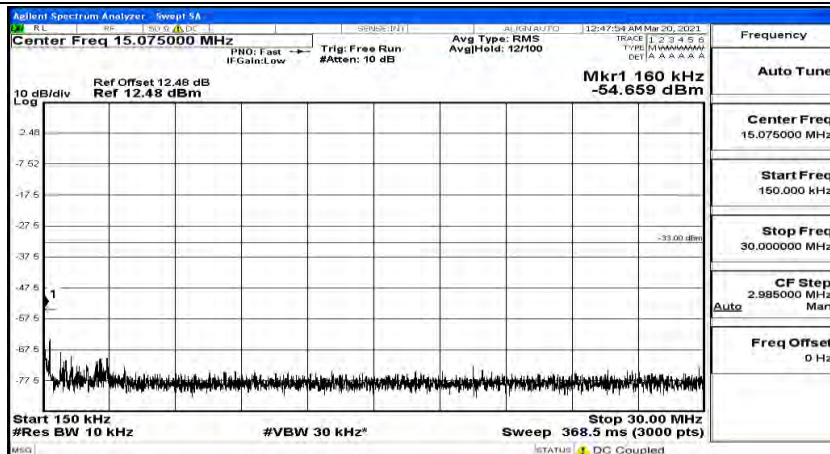
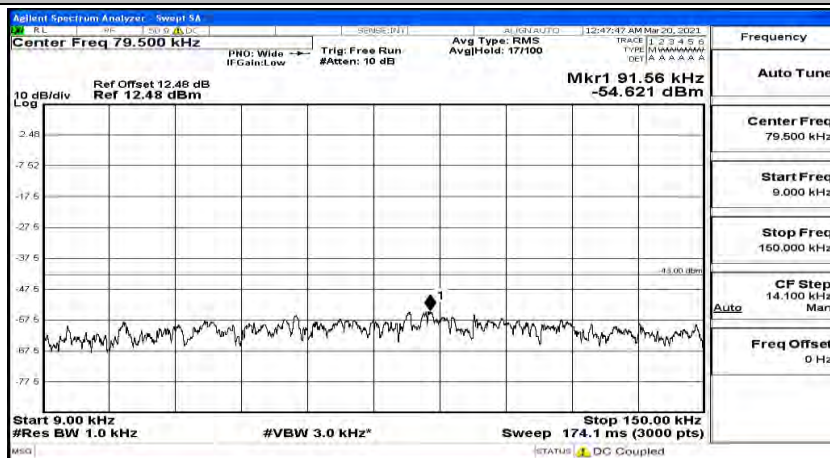
0 Hz

MSO

(STATUS) DC Coupled

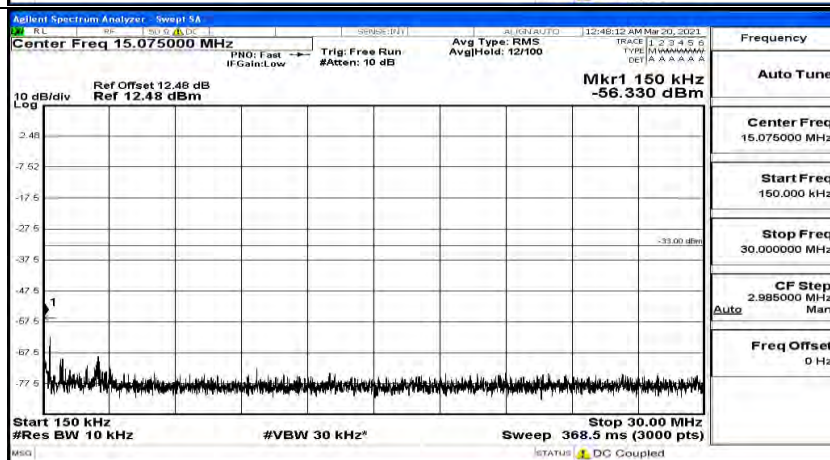
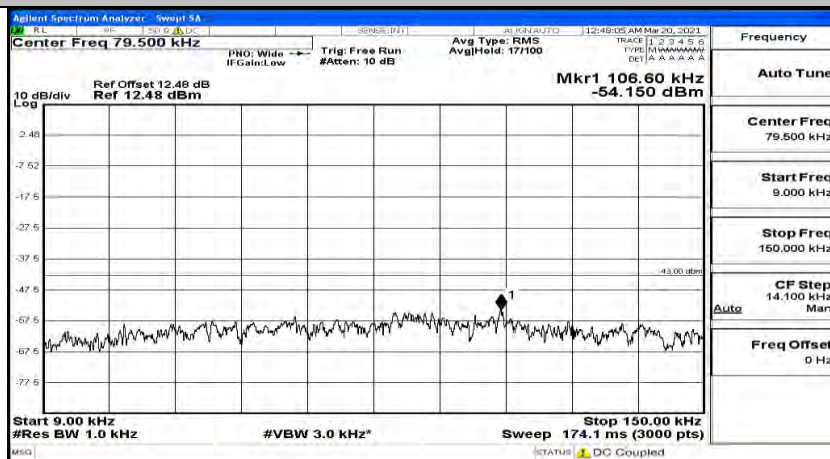


(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

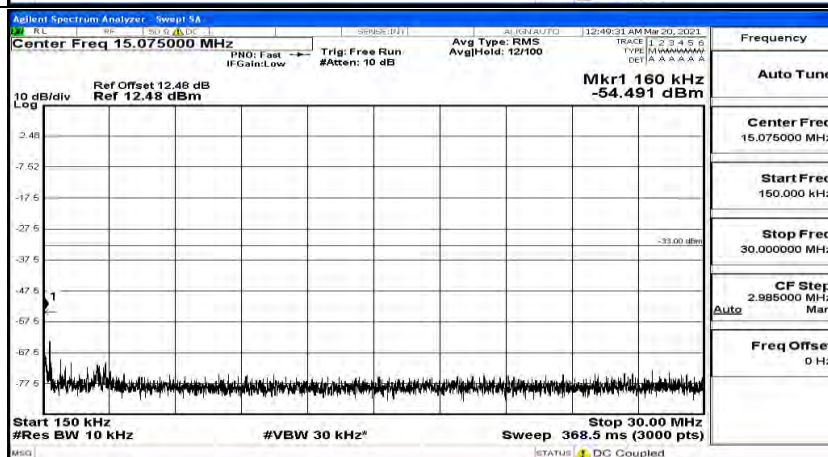
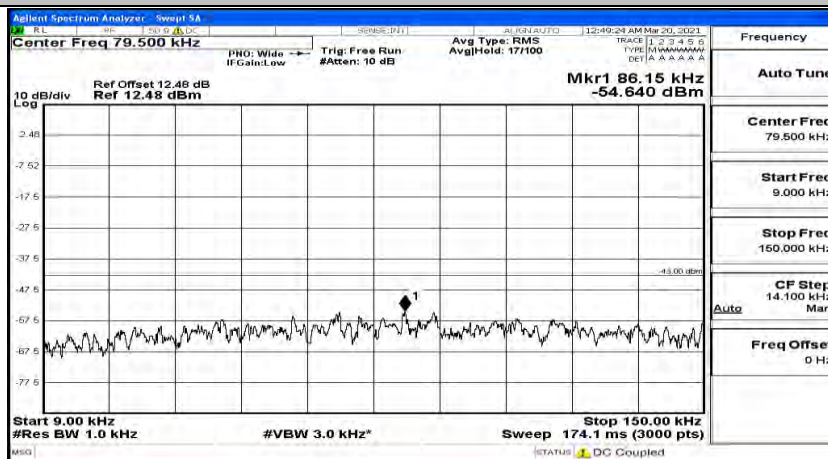




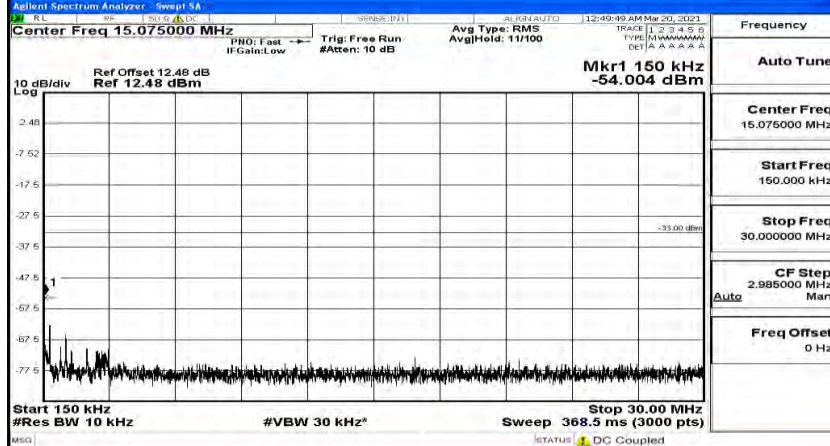
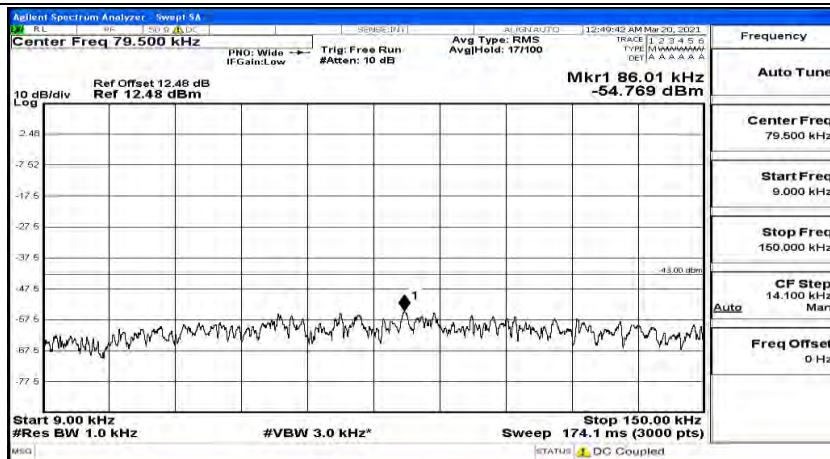
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



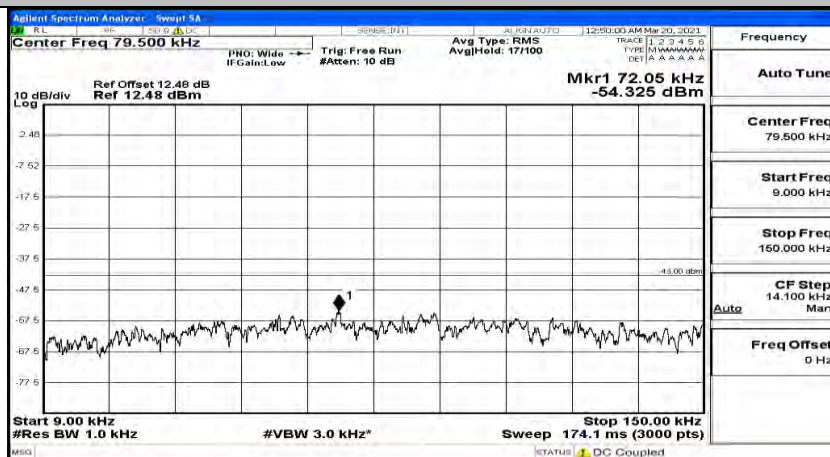
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0

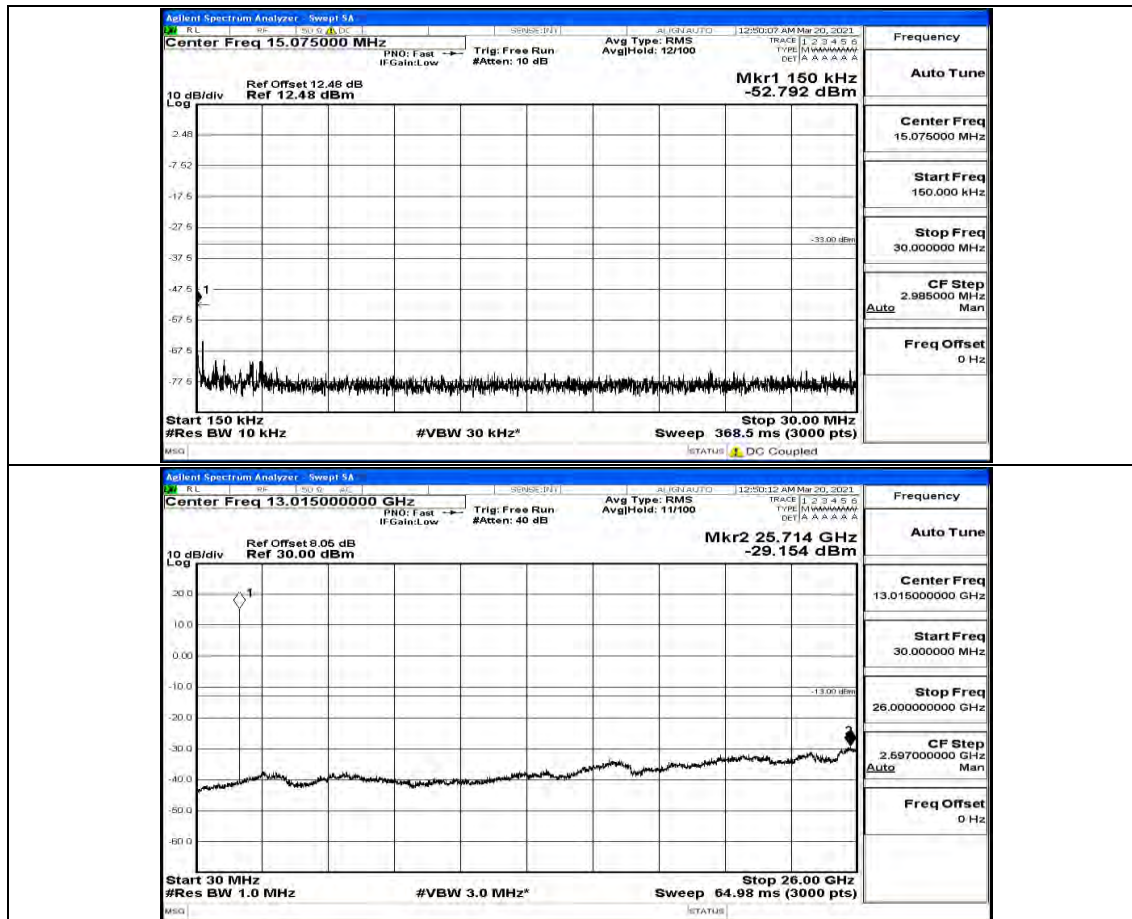


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

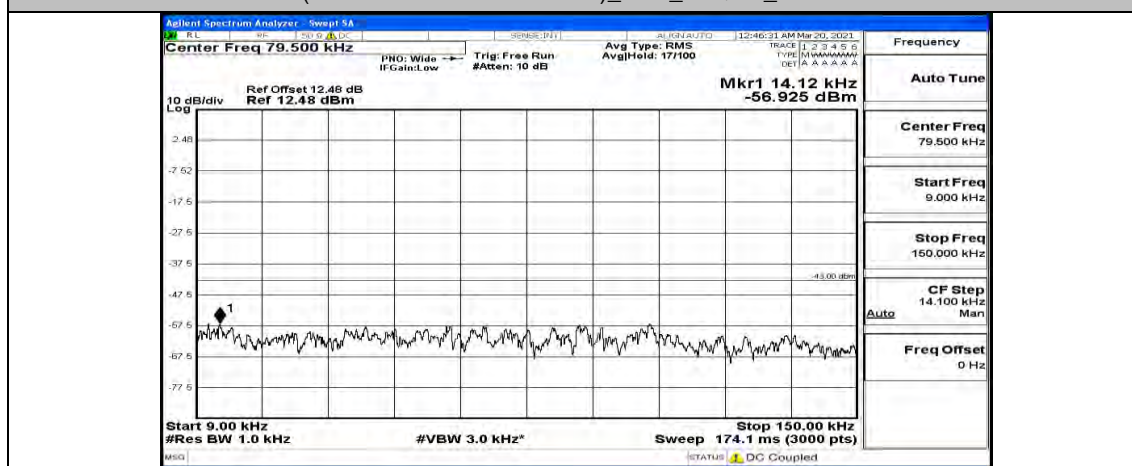


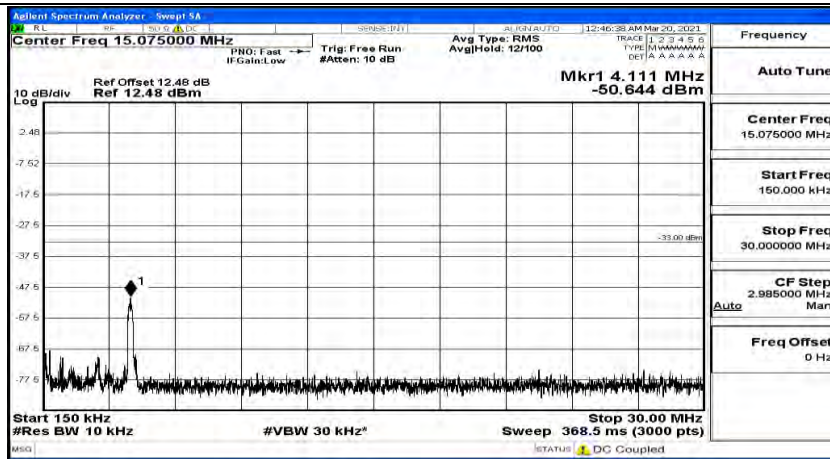
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



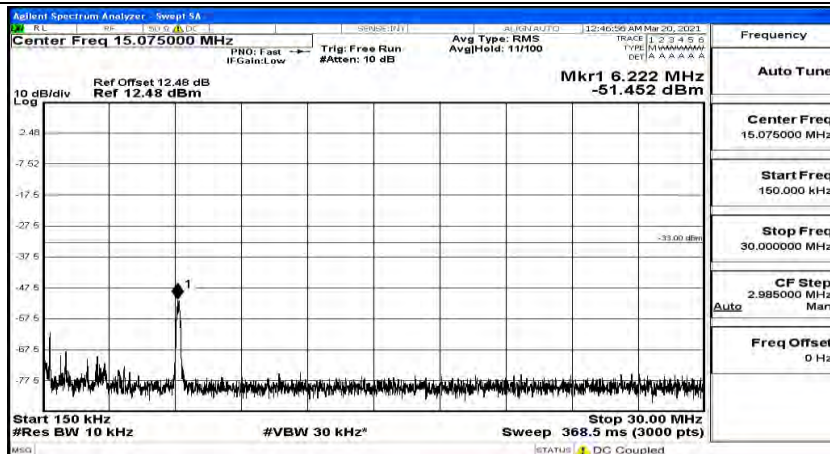
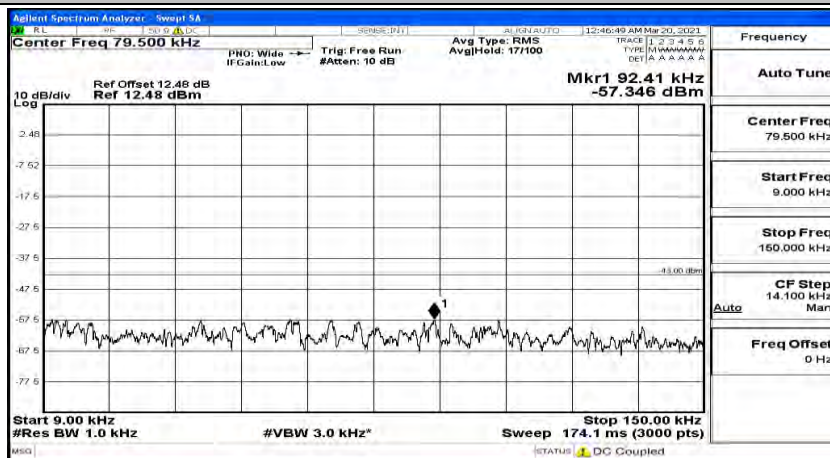


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



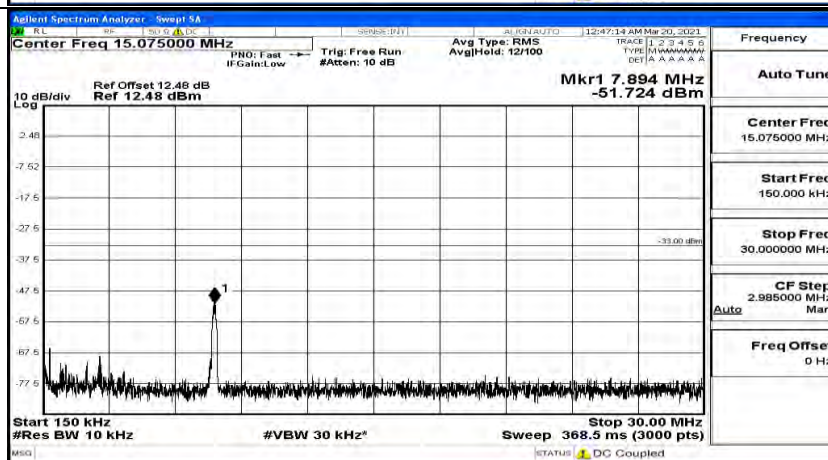
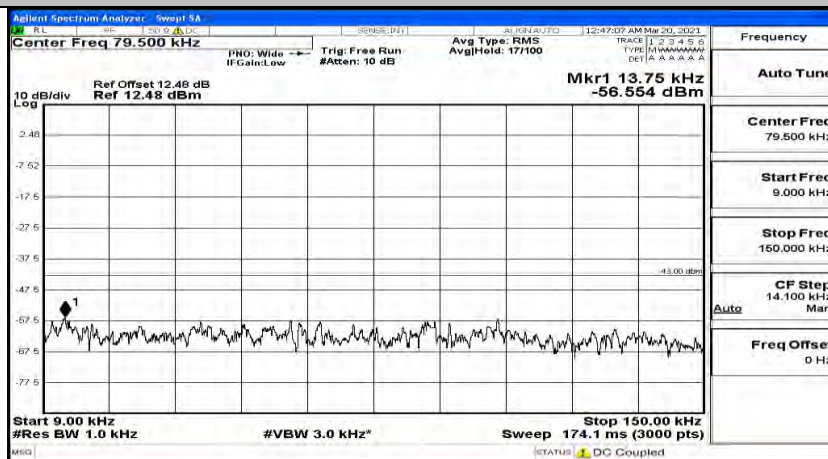


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7

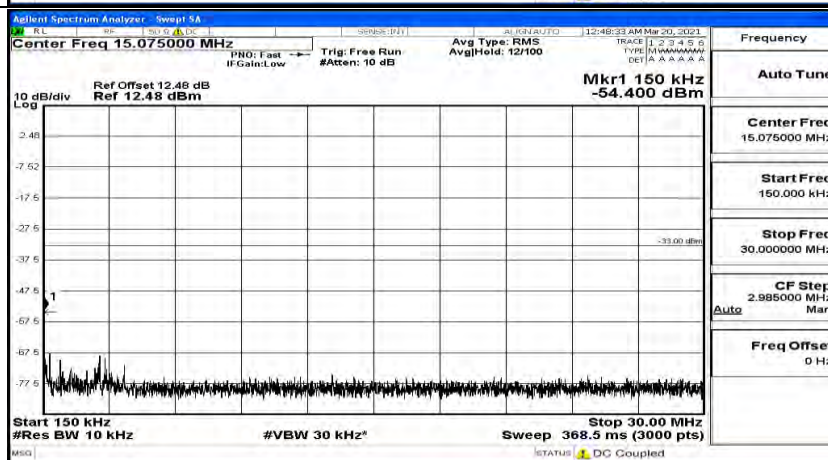
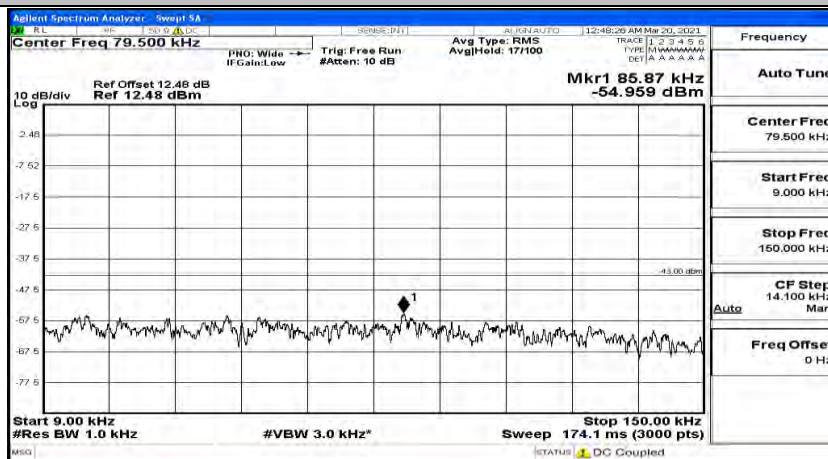




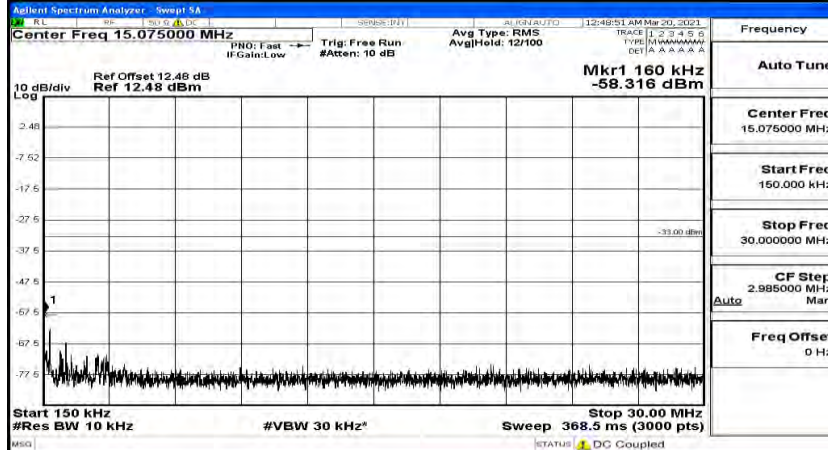
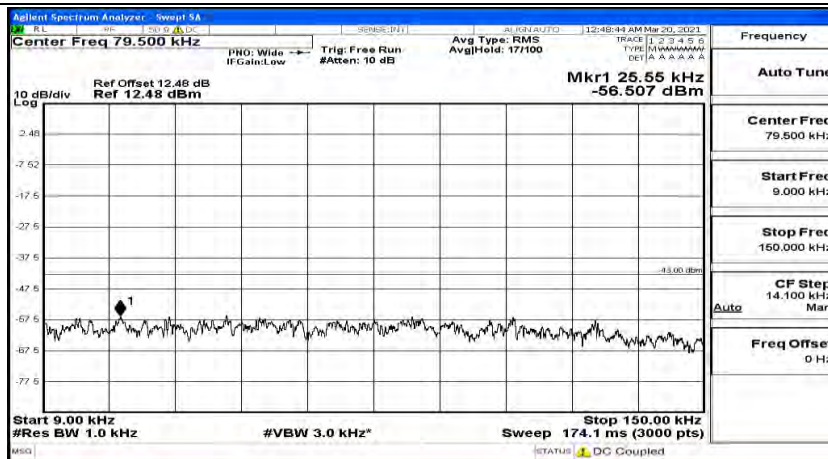
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



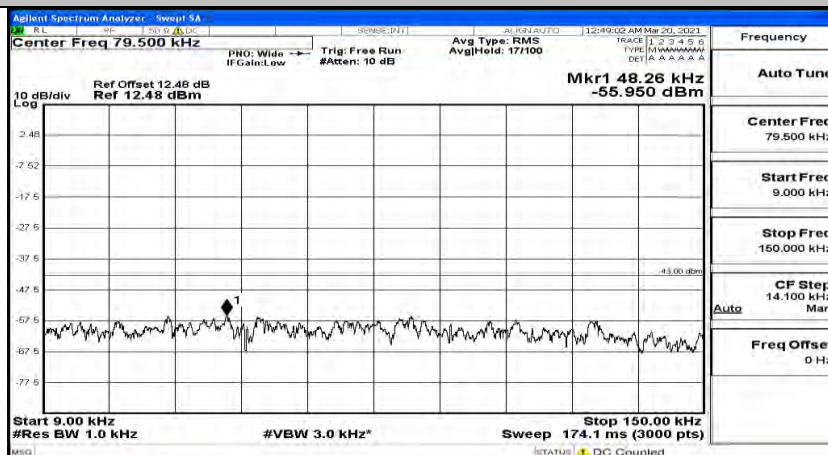
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0

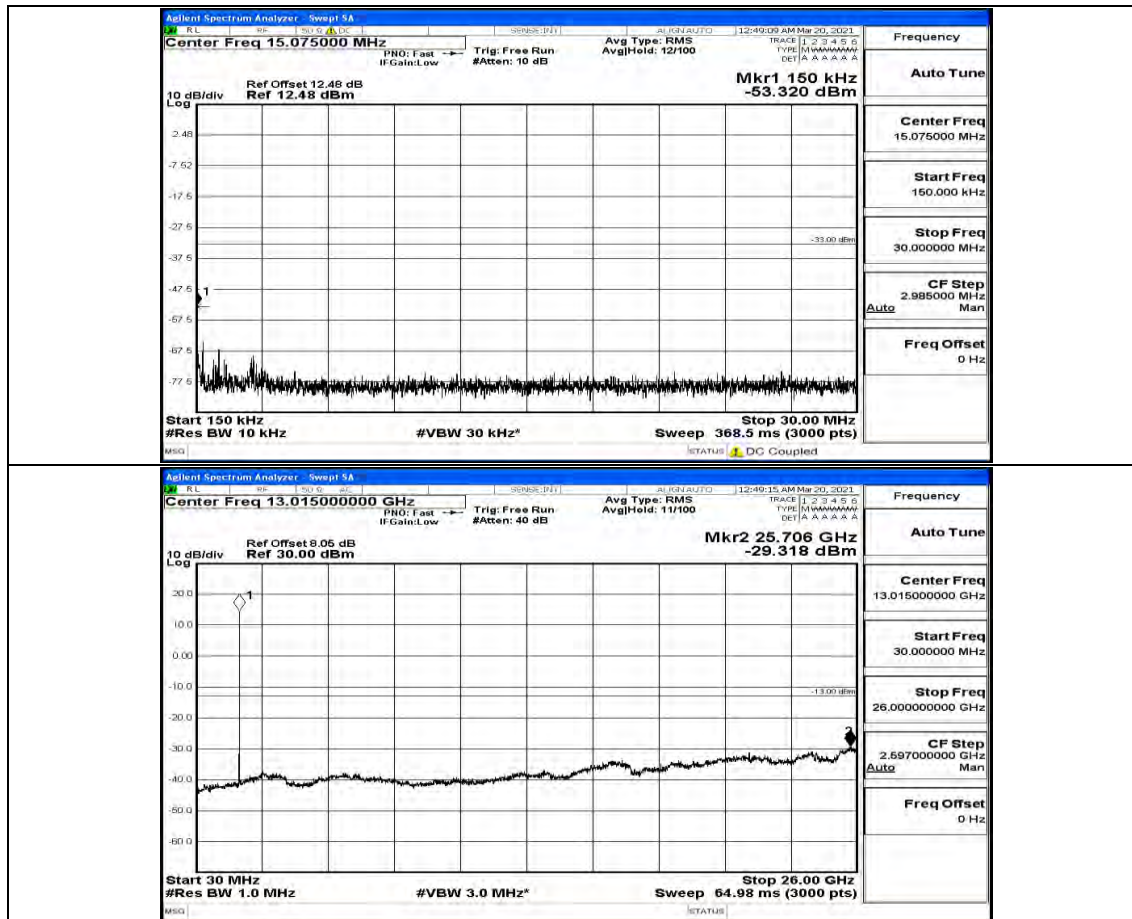


(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7

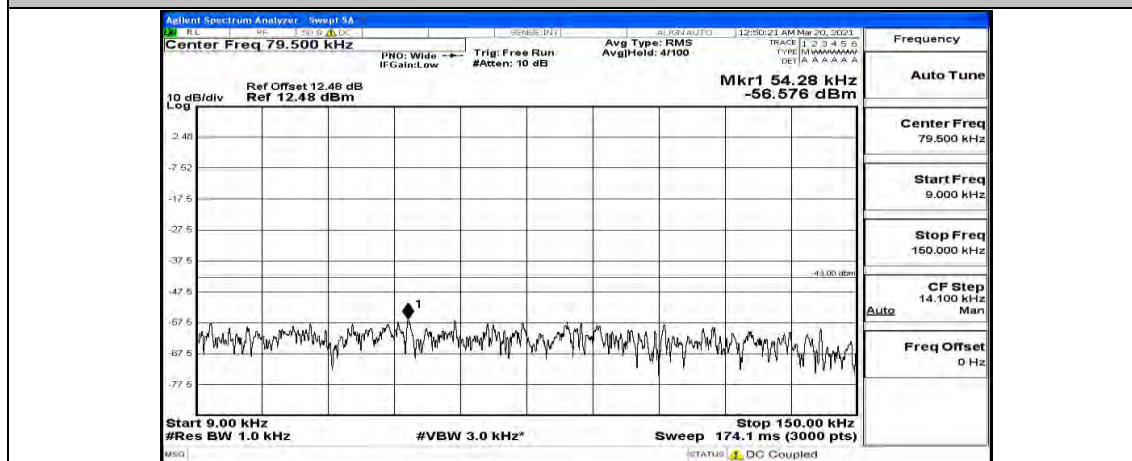


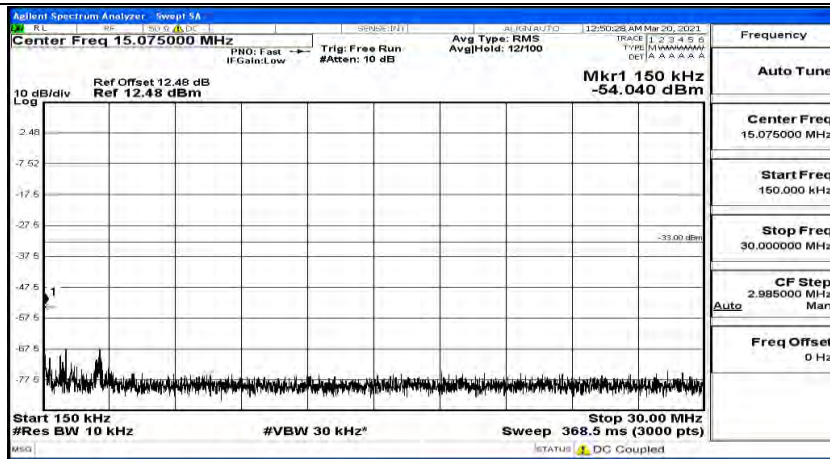
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



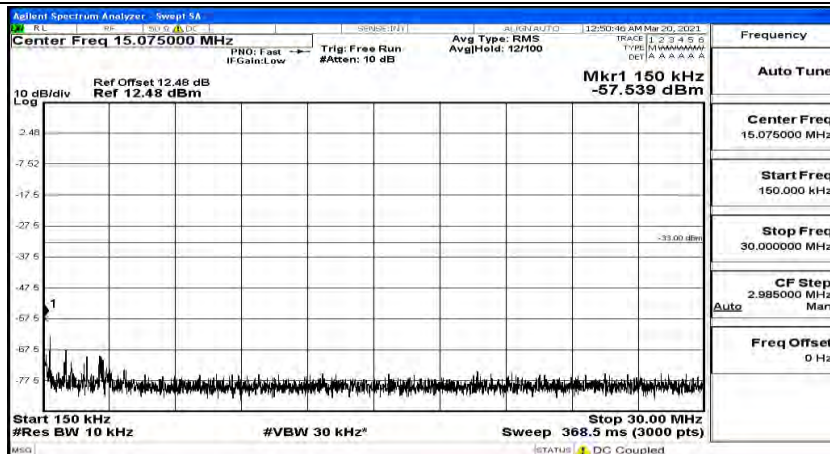
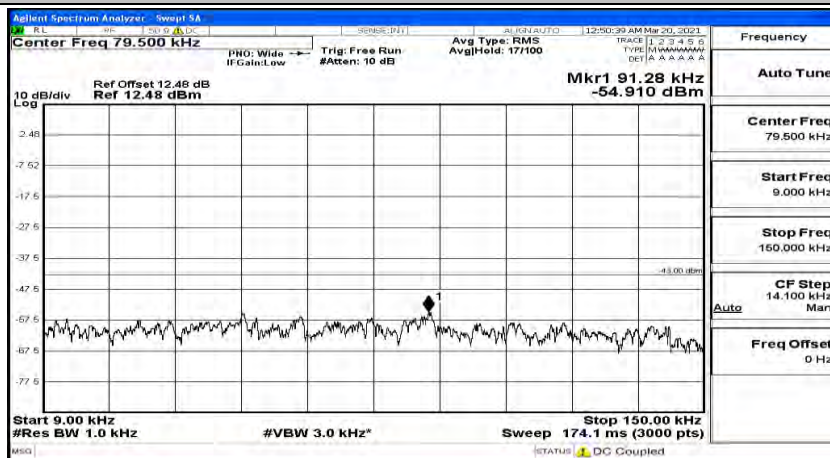


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



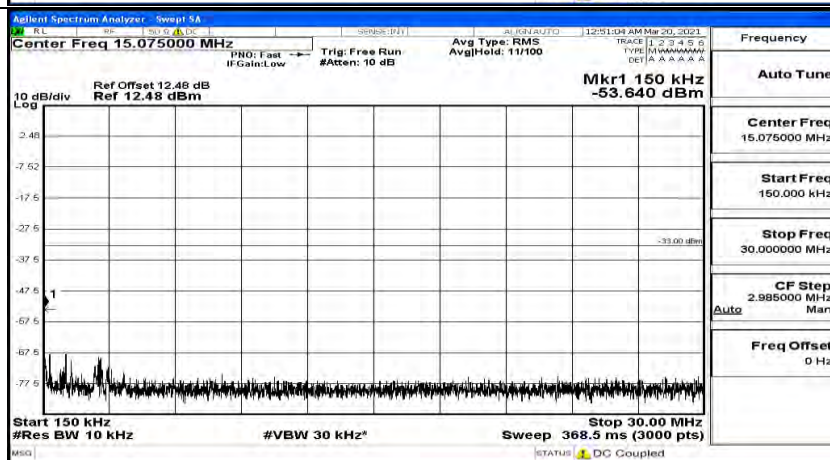
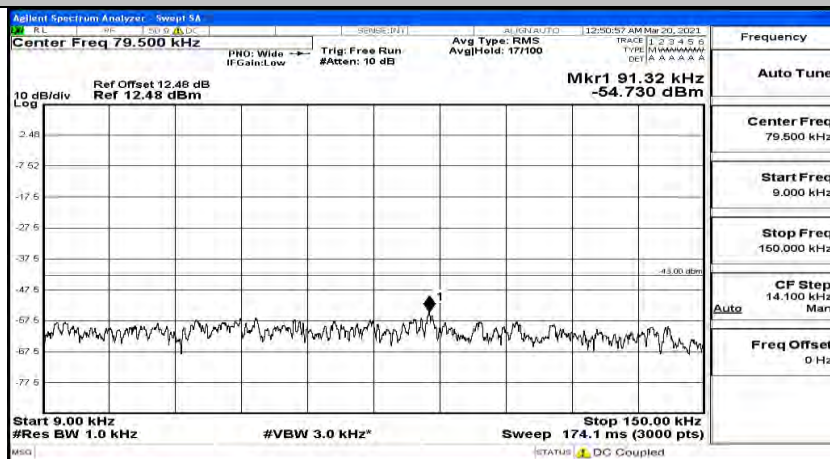


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



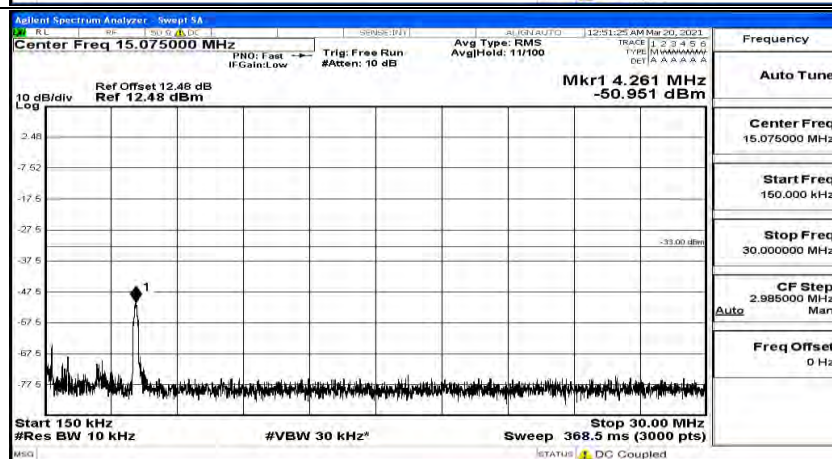
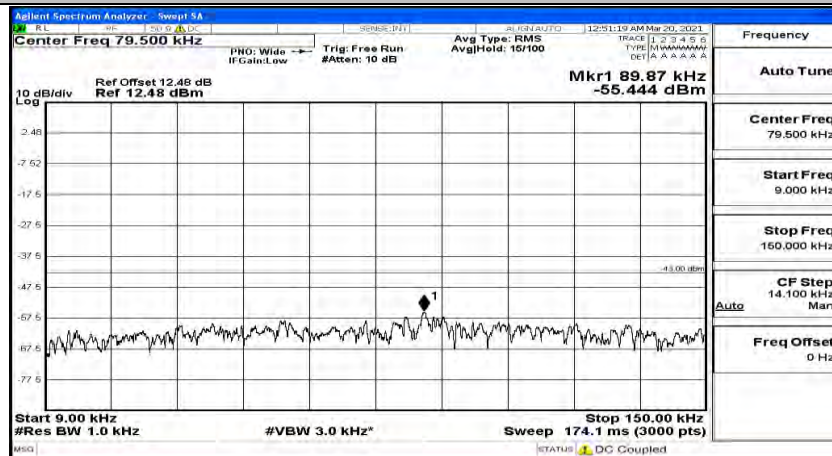


(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

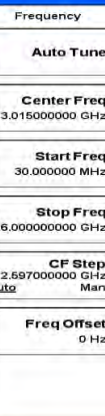


Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

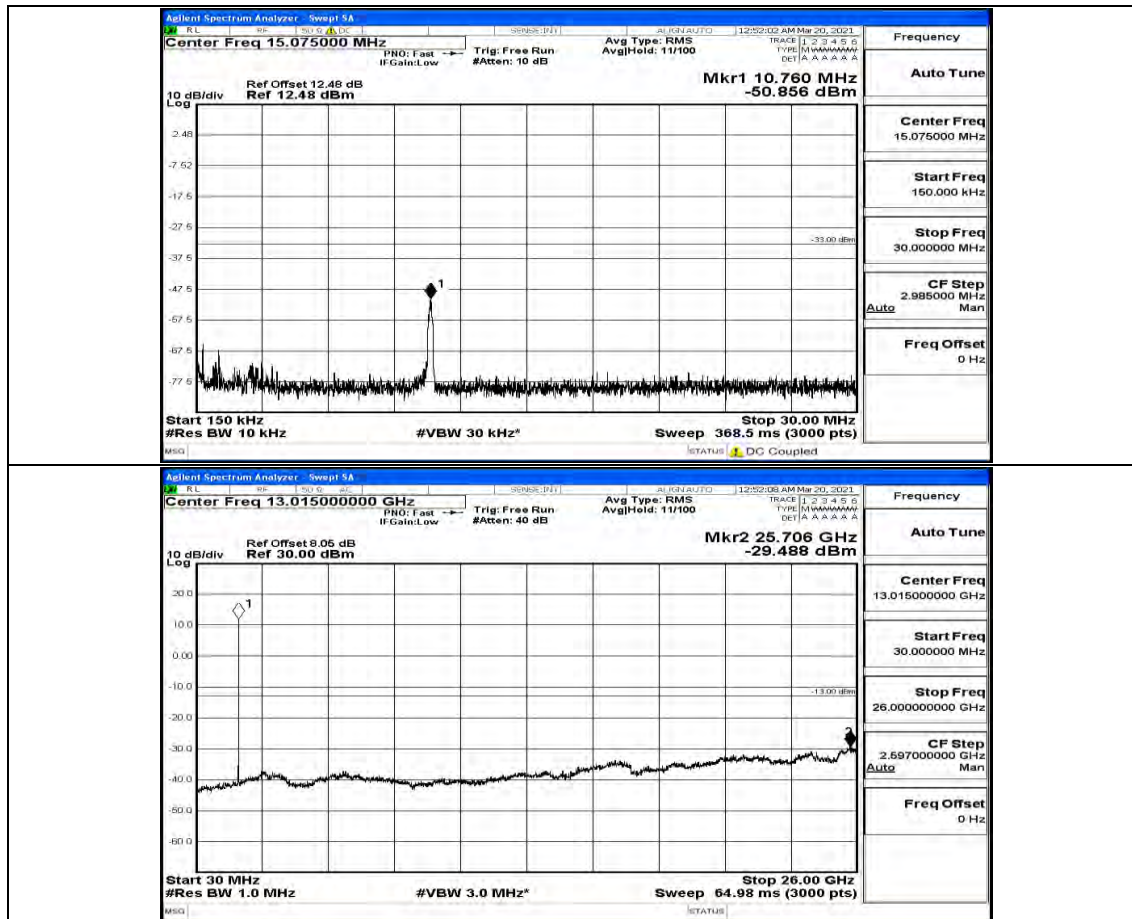


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz) LCH QPSK 1RB#24





(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

