Appendix E: Test Data for E-UTRA Band 17

Product Name: LTE GSM/WCDMA Smartphone
Trade Mark: DOOGEE
Test Model: S60 Lite

Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden Zhuo

E.1 Conducted Output Power

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	25.39	24.78	PASS
		1	12	25.57	25.10	PASS
		1	24	25.33	24.74	PASS
		12	0	24.40	23.60	PASS
		12	6	24.50	23.68	PASS
		12	13	24.31	23.49	PASS
		25	0	24.39	23.45	PASS
	MCH	1	0	25.36	24.35	PASS
		1	12	25.64	24.63	PASS
		1	24	25.30	24.32	PASS
		12	0	24.46	23.59	PASS
		12	6	24.42	23.51	PASS
		12	13	24.32	23.38	PASS
		25	0	24.41	23.47	PASS
	HCH	1	0	25.26	24.40	PASS
		1	12	25.56	24.56	PASS
		1	24	25.23	24.37	PASS
		12	0	24.29	23.38	PASS
		12	6	24.39	23.50	PASS
		12	13	24.33	23.43	PASS
		25	0	24.34	23.40	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	25.43	24.70	PASS
		1	24	25.55	24.86	PASS
		1	49	25.33	24.58	PASS
		25	0	24.52	23.57	PASS
		25	12	24.43	23.49	PASS
		25	25	24.36	23.42	PASS
		50	0	24.43	23.48	PASS
	MCH	1	0	25.45	24.69	PASS
		1	24	25.54	24.82	PASS
		1	49	25.33	24.59	PASS
		25	0	24.60	23.63	PASS
		25	12	24.41	23.47	PASS
		25	25	24.43	23.47	PASS
		50	0	24.48	23.53	PASS
	HCH	1	0	25.40	24.76	PASS
		1	24	25.53	24.91	PASS
		1	49	25.37	24.70	PASS
		25	0	24.65	23.72	PASS
		25	12	24.43	23.51	PASS
		25	25	24.49	23.52	PASS
		50	0	24.53	23.62	PASS

E.2 Peak-to-Average Ratio

Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.40	<13	PASS
	MCH	5.52	<13	PASS
	HCH	5.41	<13	PASS
16QAM	LCH	6.22	<13	PASS
	MCH	6.35	<13	PASS
	HCH	6.22	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.49	<13	PASS
	MCH	5.53	<13	PASS
	HCH	5.56	<13	PASS
16QAM	LCH	6.21	<13	PASS
	MCH	6.24	<13	PASS
	HCH	6.28	<13	PASS

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

Center Freq 706.500000 MHz

Average Power

24.38 dBm

47.48 % at 0dB

10.0 %	2.35 dB
1.0 %	4.32 dB
0.1 %	5.40 dB
0.01 %	6.05 dB
0.001 %	6.45 dB
0.0001 %	— dB
Peak	6.64 dB
	31.02 dBm

Info BW 5.0000 MHz

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

Center Freq 710.000000 MHz

Average Power

24.43 dBm

46.70 % at 0dB

10.0 %	2.40 dB
1.0 %	4.38 dB
0.1 %	5.52 dB
0.01 %	6.18 dB
0.001 %	6.56 dB
0.0001 %	— dB
Peak	6.94 dB
	31.37 dBm

Info BW 5.0000 MHz

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

Center Freq 713.500000 MHz

Average Power

24.35 dBm

47.42 % at 0dB

10.0 %	2.35 dB
1.0 %	4.33 dB
0.1 %	5.41 dB
0.01 %	5.97 dB
0.001 %	6.33 dB
0.0001 %	— dB
Peak	6.47 dB
	30.82 dBm

Info BW 5.0000 MHz
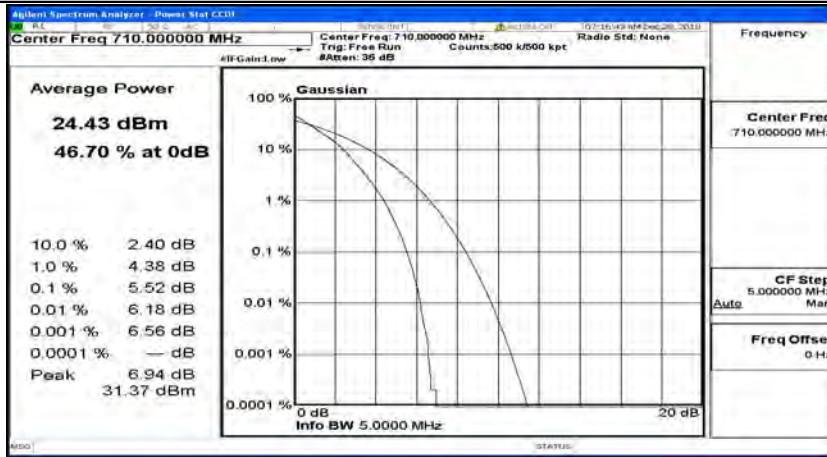
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM

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
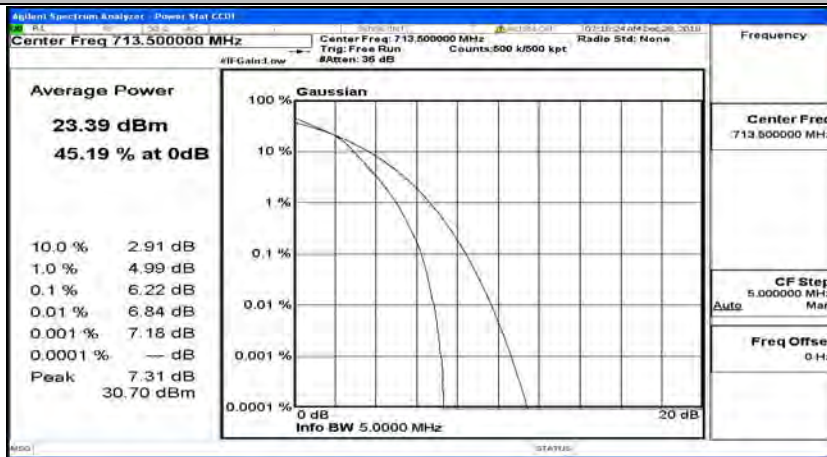
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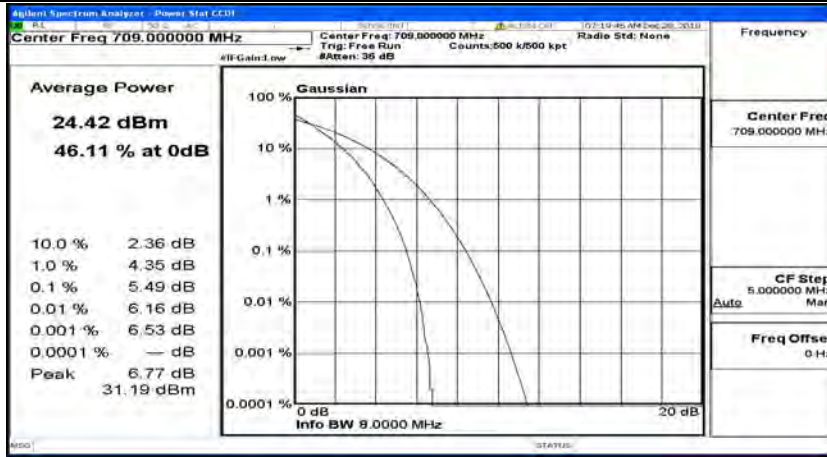
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
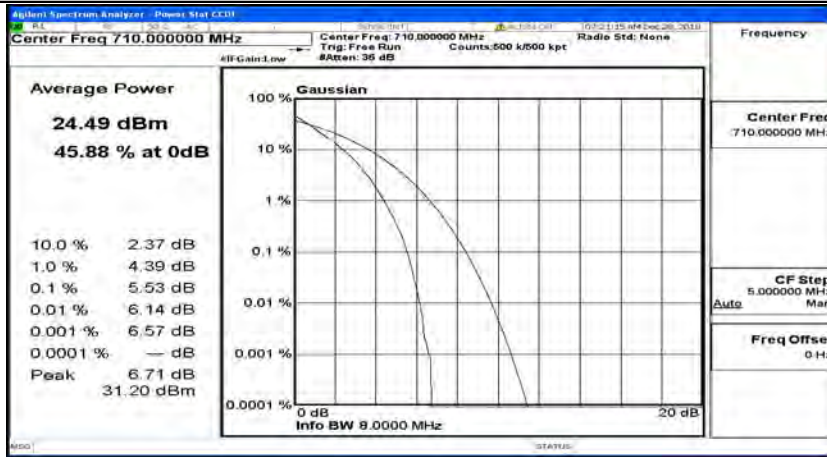
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK
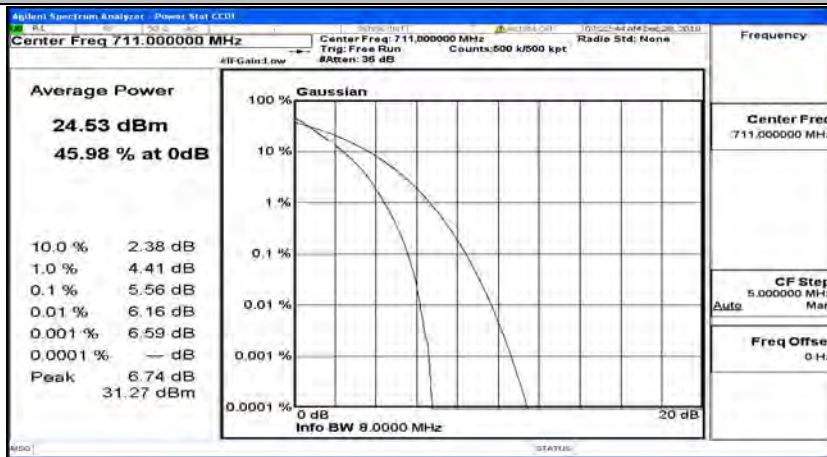
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
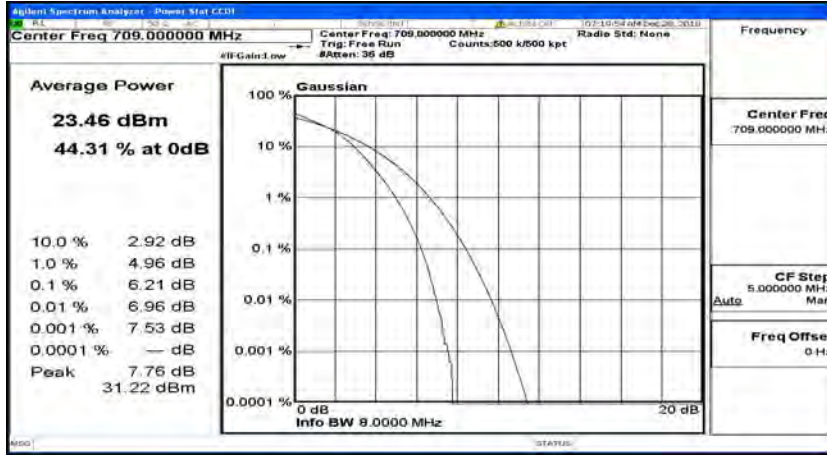
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
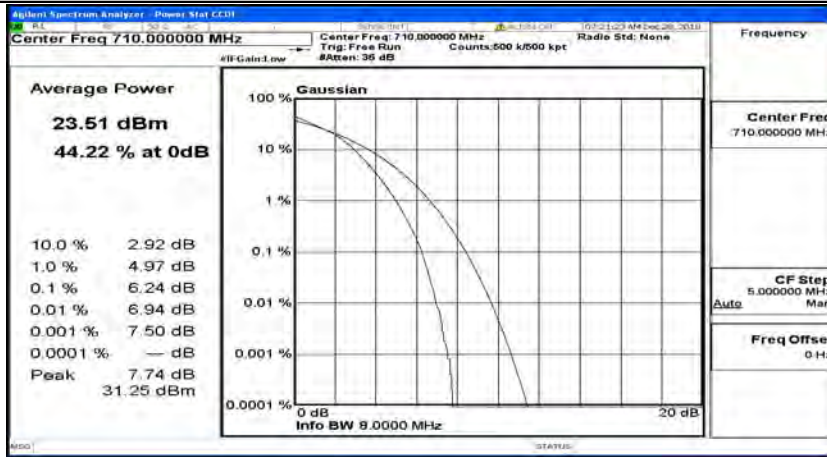
Peak-to Average Ratio Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
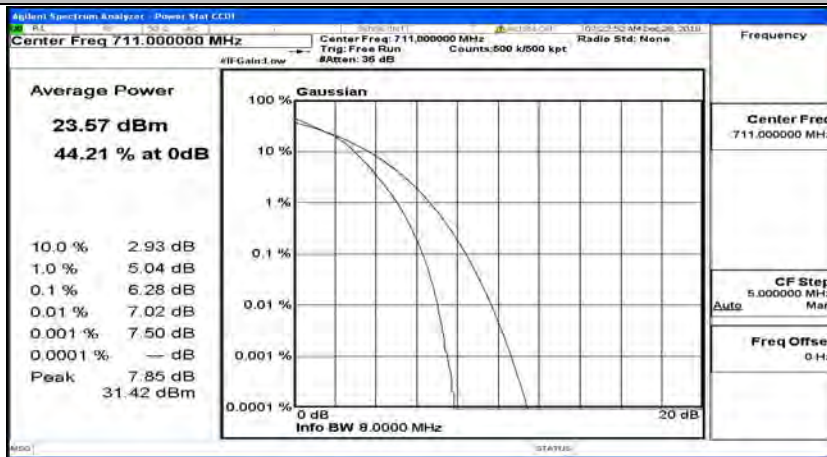
E.3 26dB Bandwidth and Occupied Bandwidth

EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4754	4.785	PASS
	MCH	4.4728	4.832	PASS
	HCH	4.4819	4.879	PASS
16QAM	LCH	4.4613	4.859	PASS
	MCH	4.4820	4.893	PASS
	HCH	4.4716	4.944	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9352	9.493	PASS
	MCH	8.9326	9.472	PASS
	HCH	8.9444	9.579	PASS
16QAM	LCH	8.9376	9.538	PASS
	MCH	8.9368	9.477	PASS
	HCH	8.9613	9.457	PASS

EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
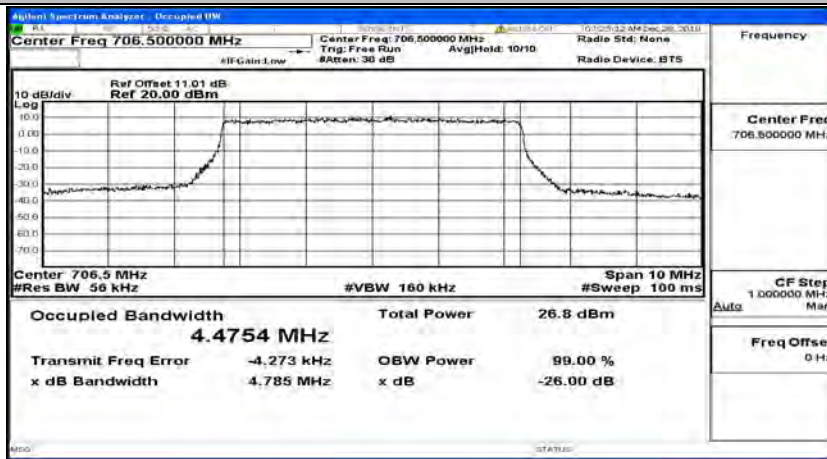
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
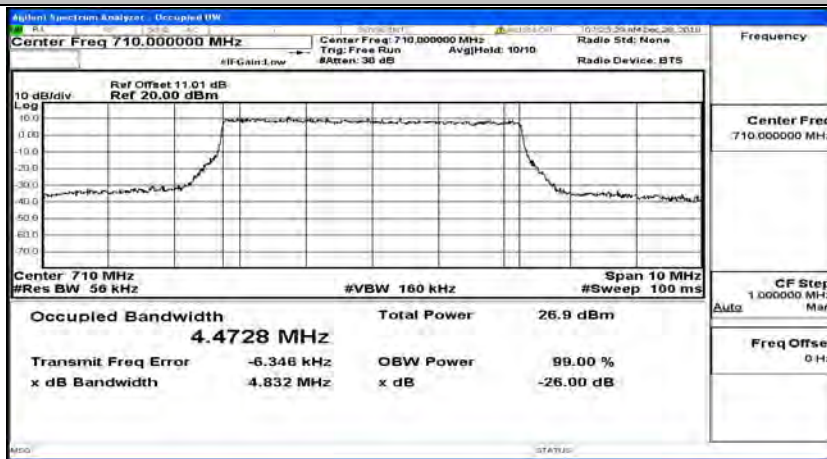
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
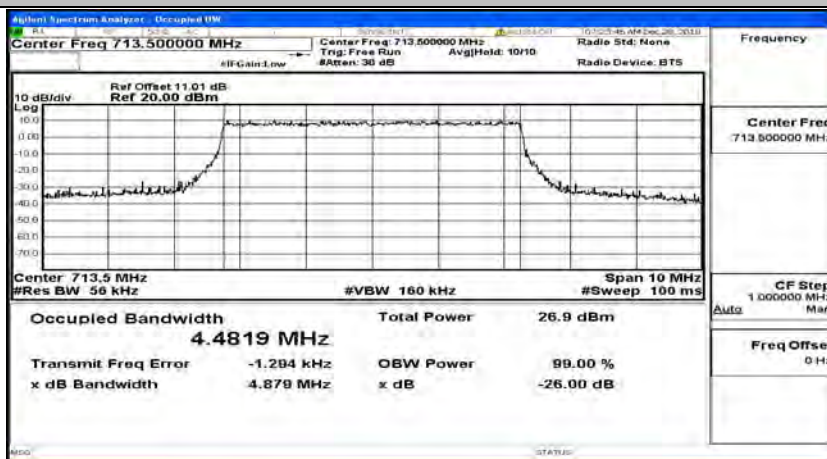
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
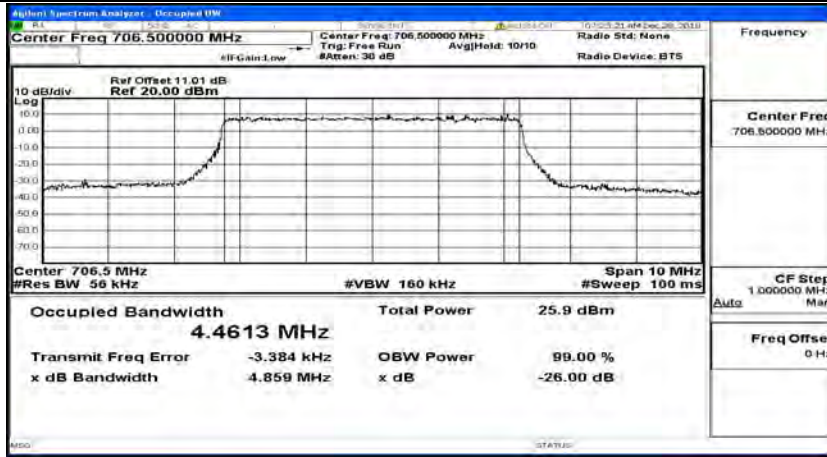
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM
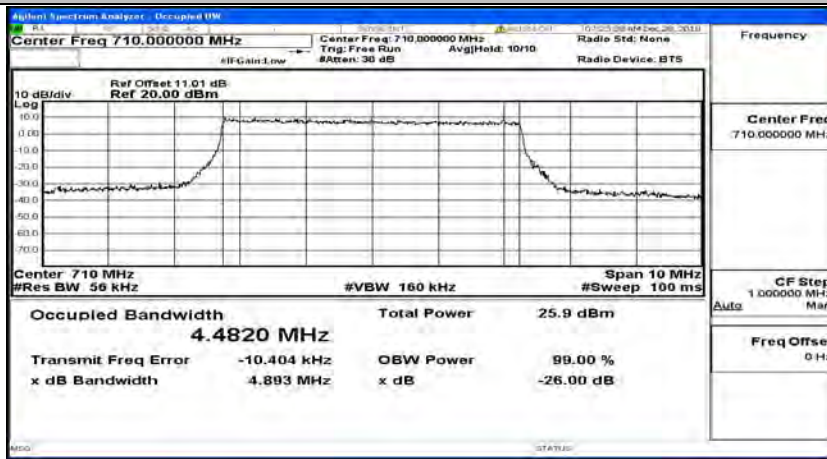
EBW & OBW Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
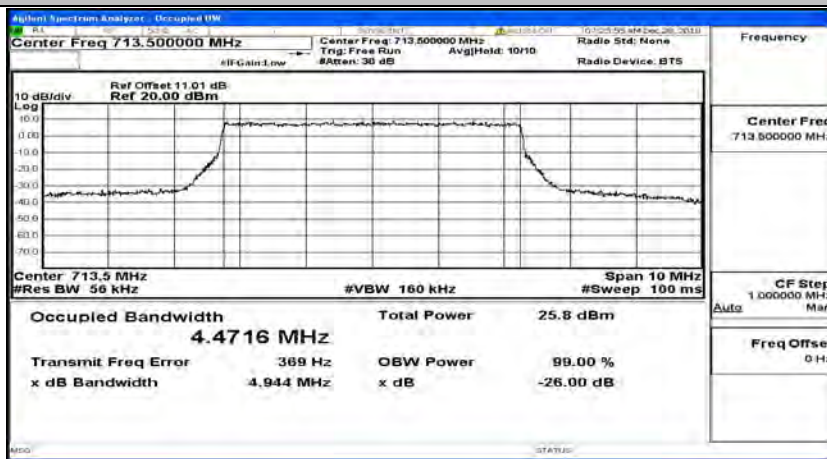
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK
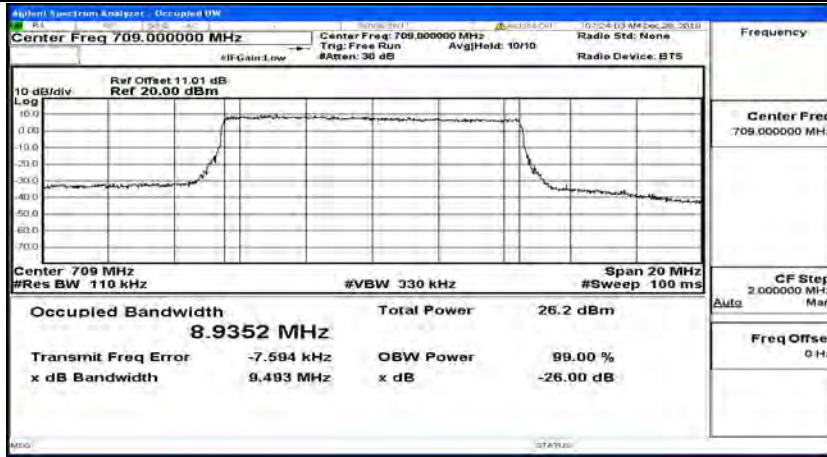
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK
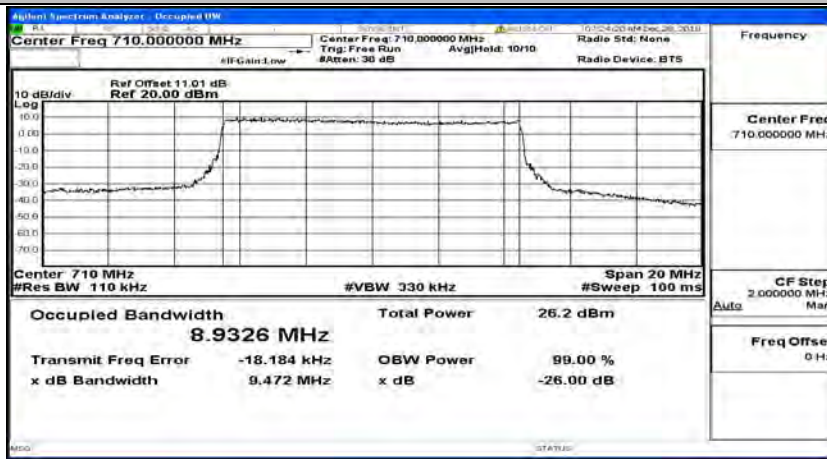
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK

EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM
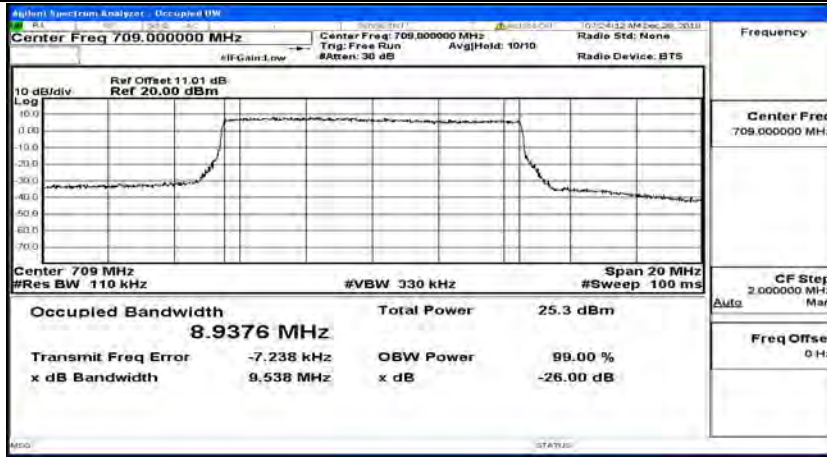
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM
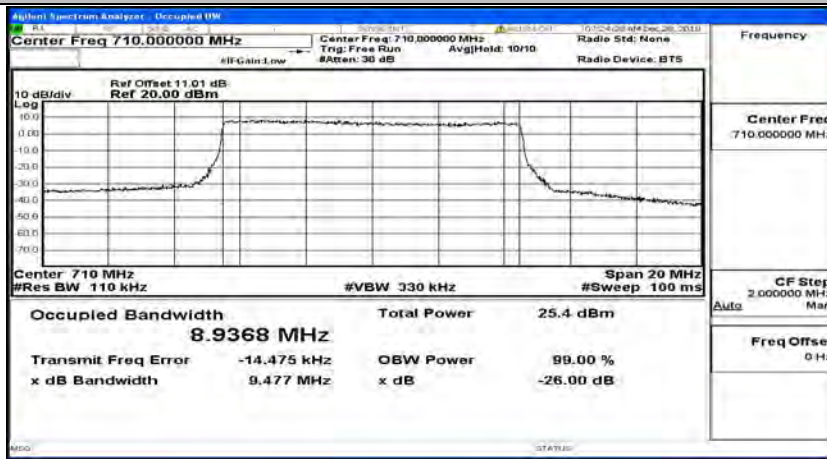
EBW & OBW Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
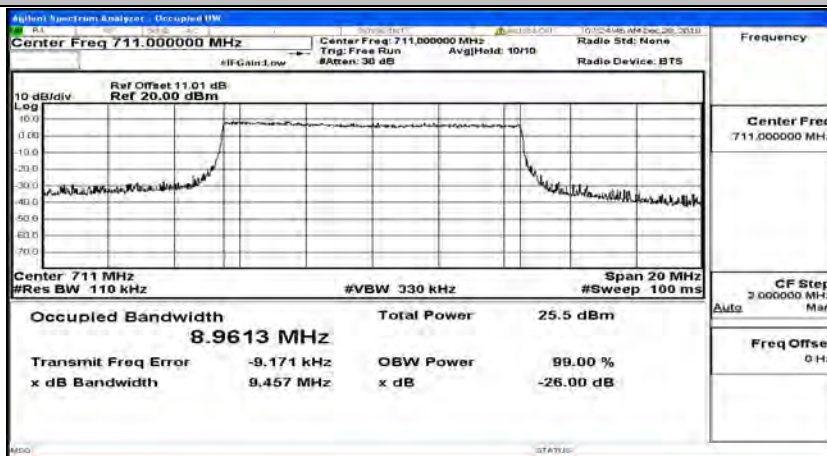
E.4 Band Edge

Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
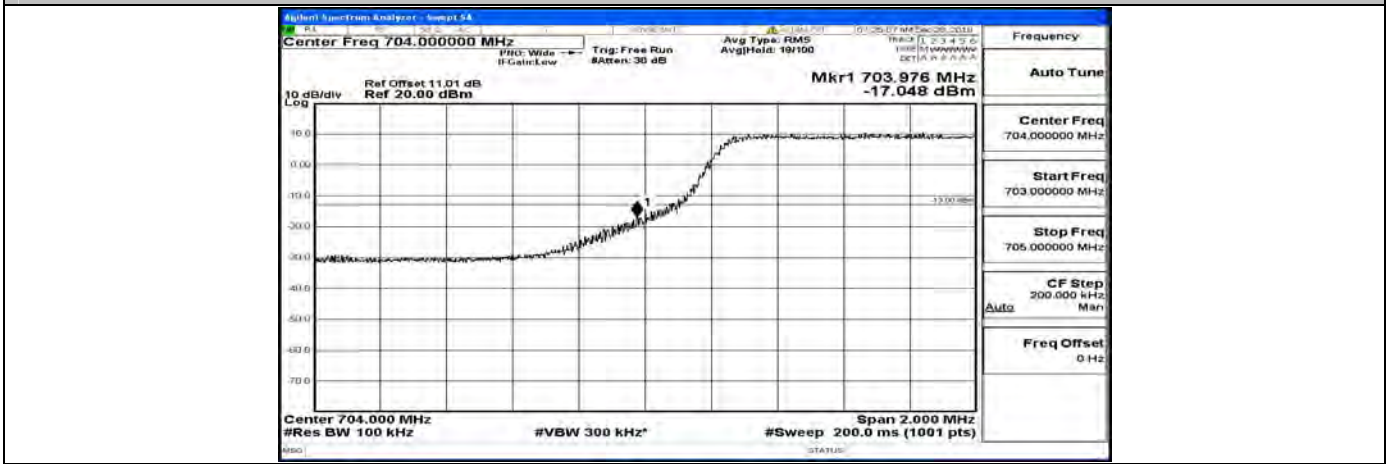
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
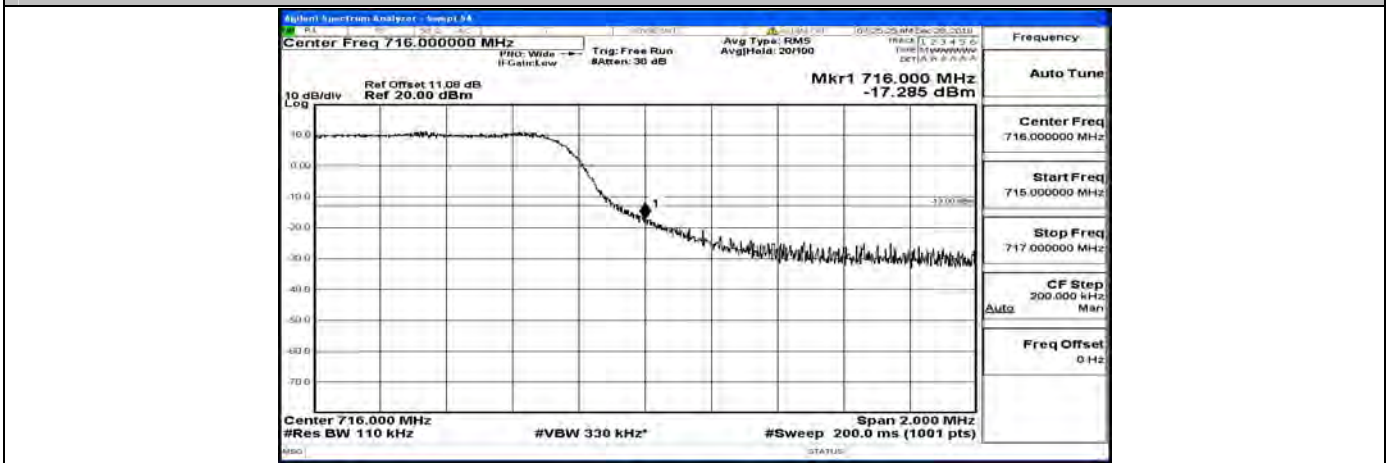
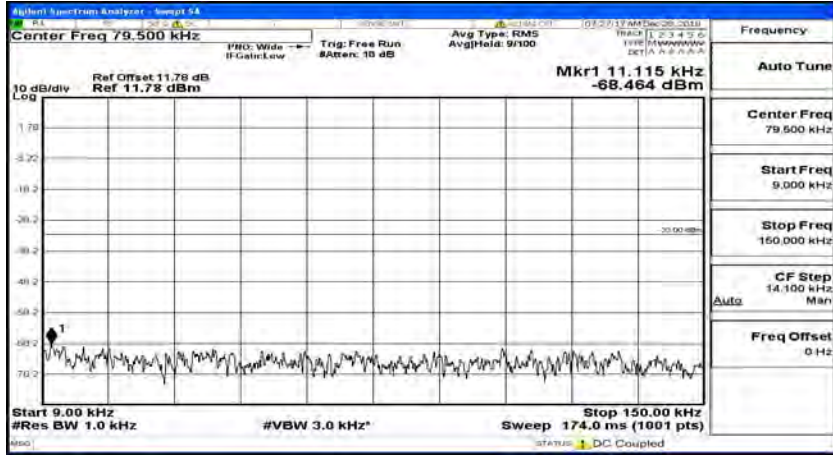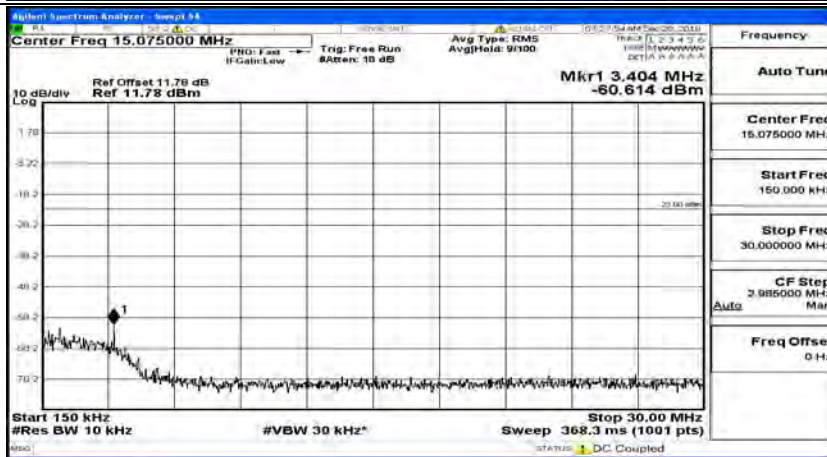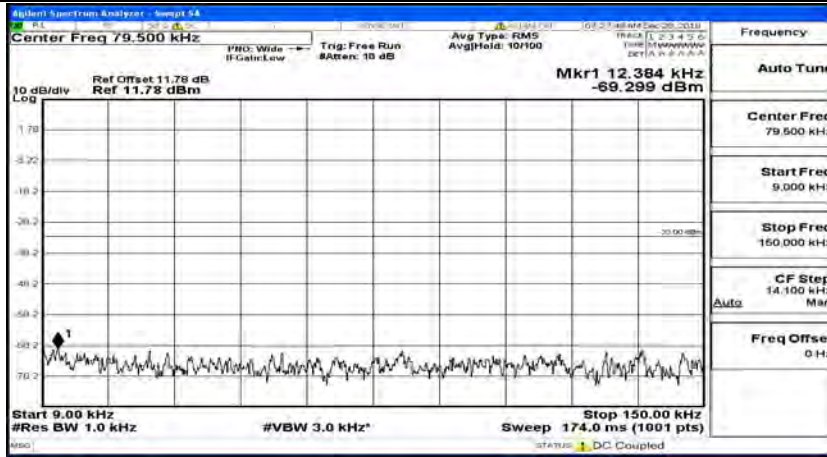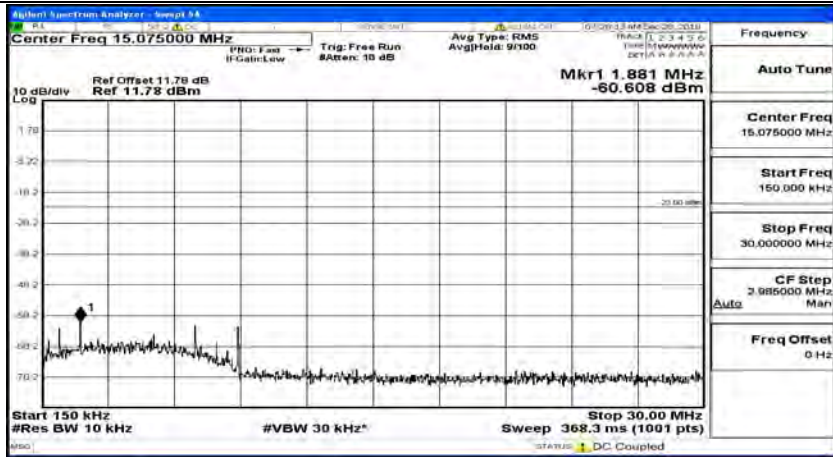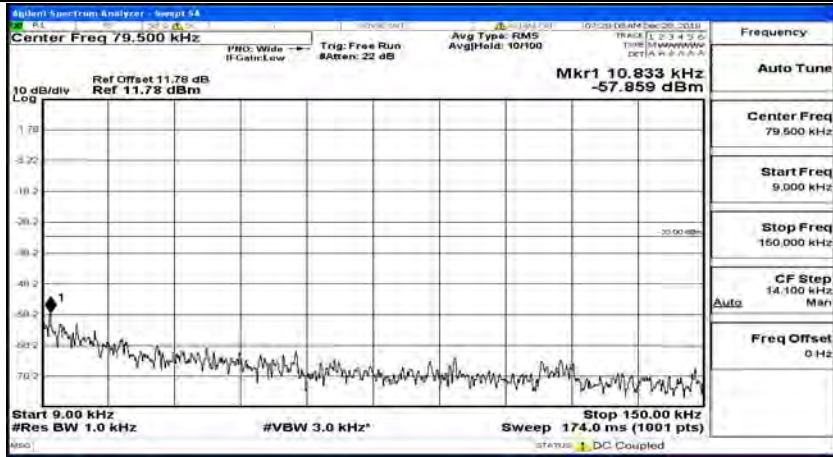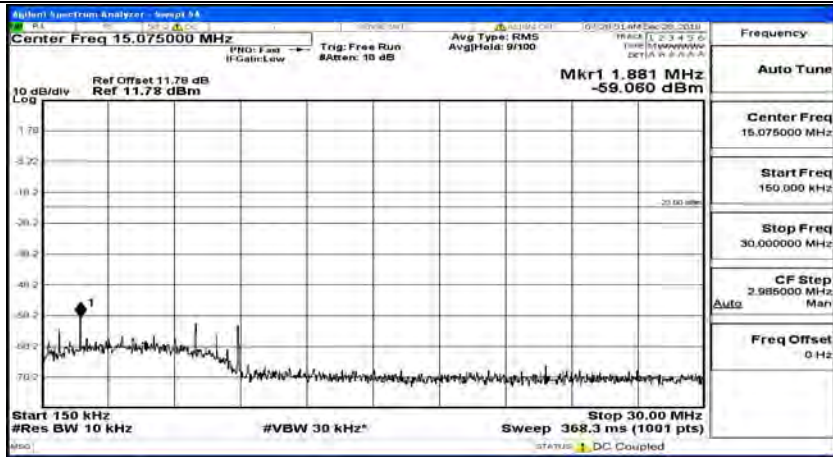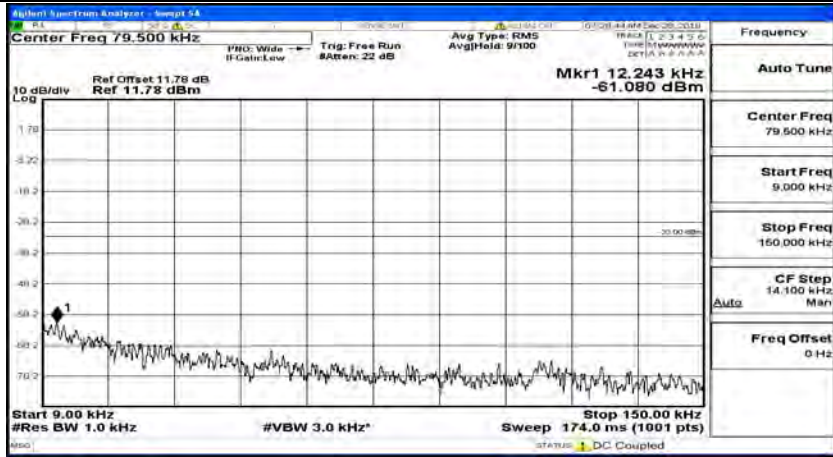| Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM |
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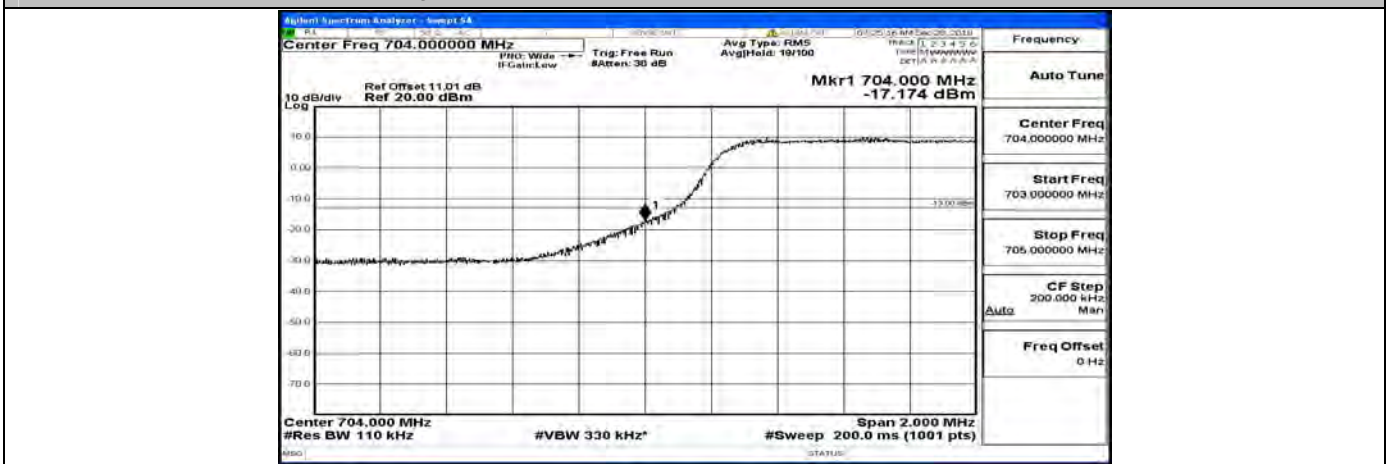
Band Edge Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM
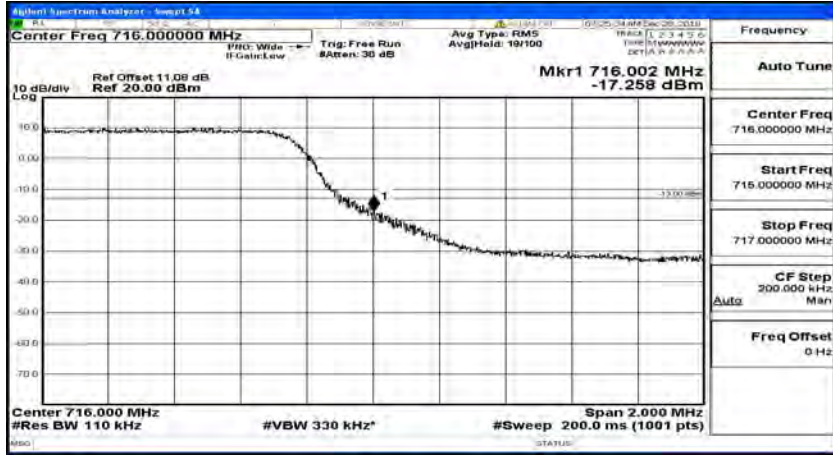
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK

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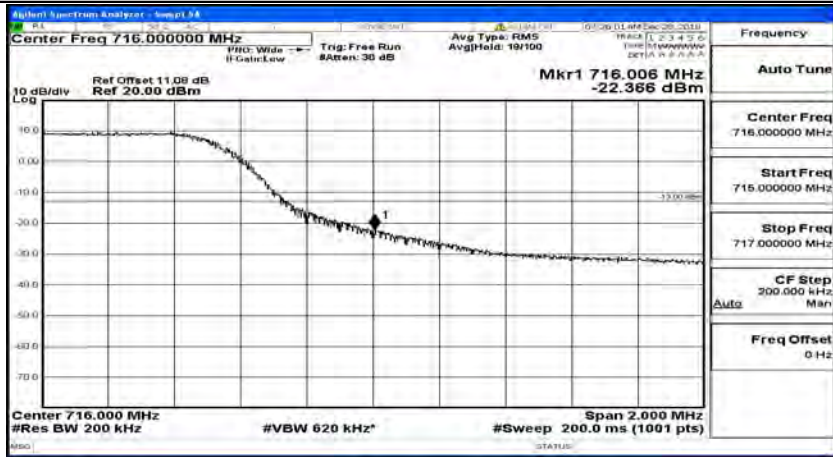
Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM

Band Edge Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM
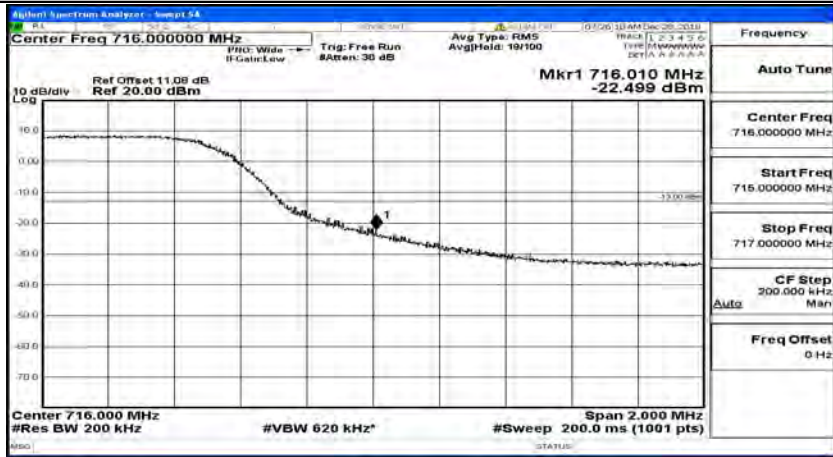
E.5 Conducted Spurious Emission

CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_QPSK
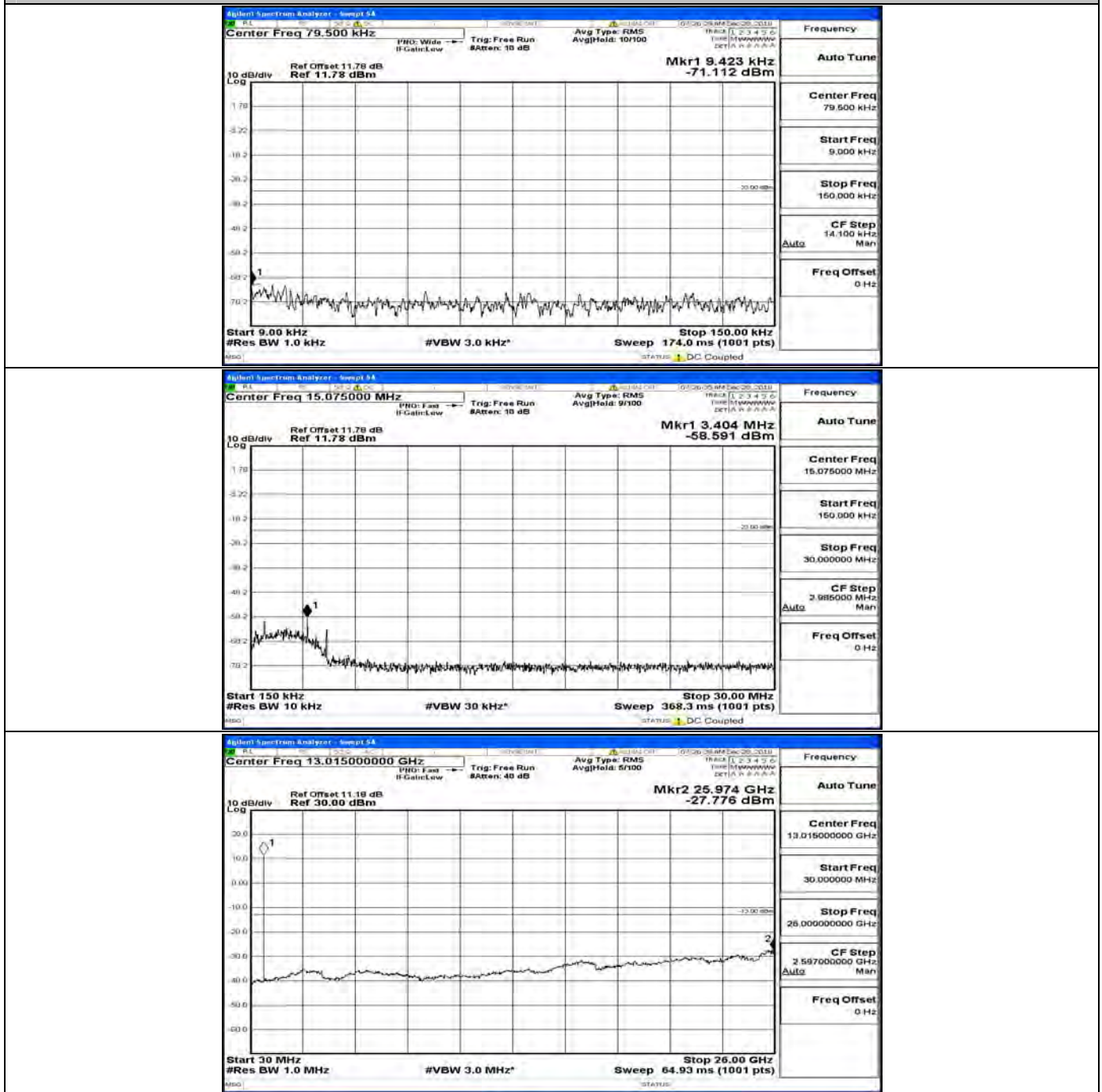
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_QPSK
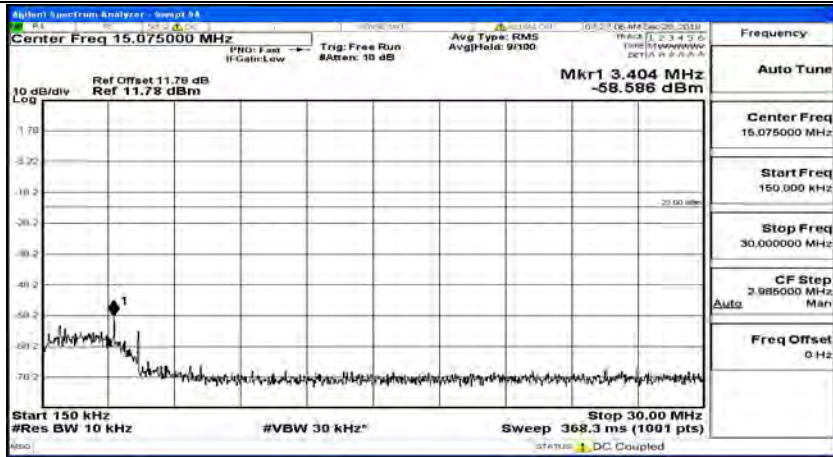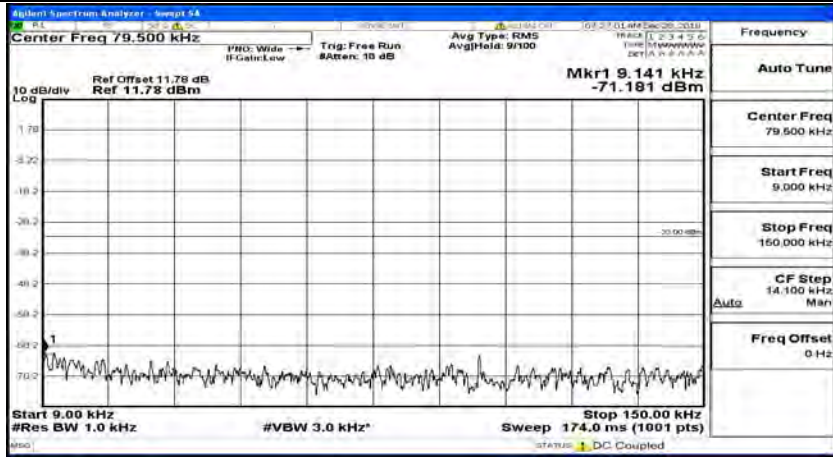
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_QPSK
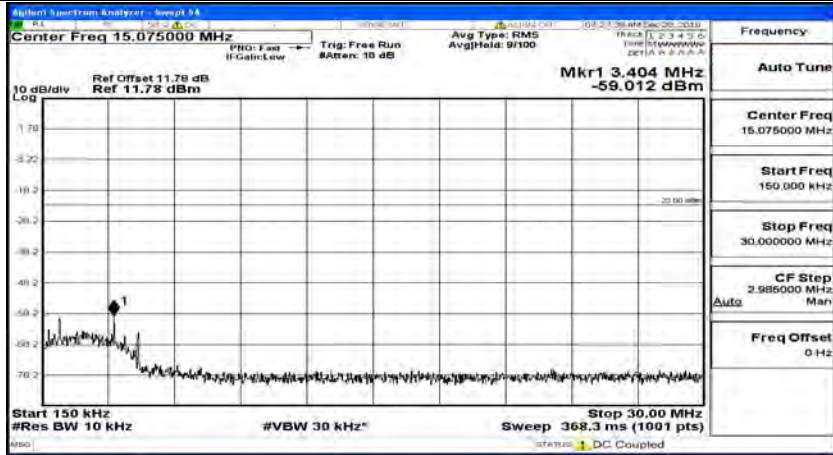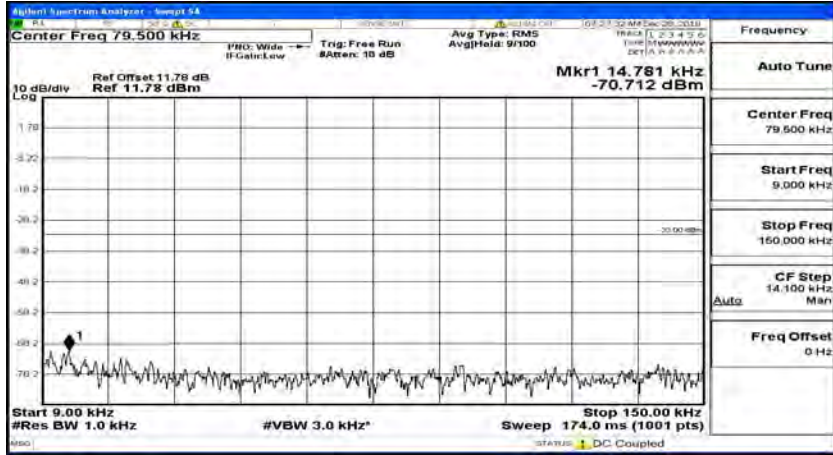
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_LCH_16QAM
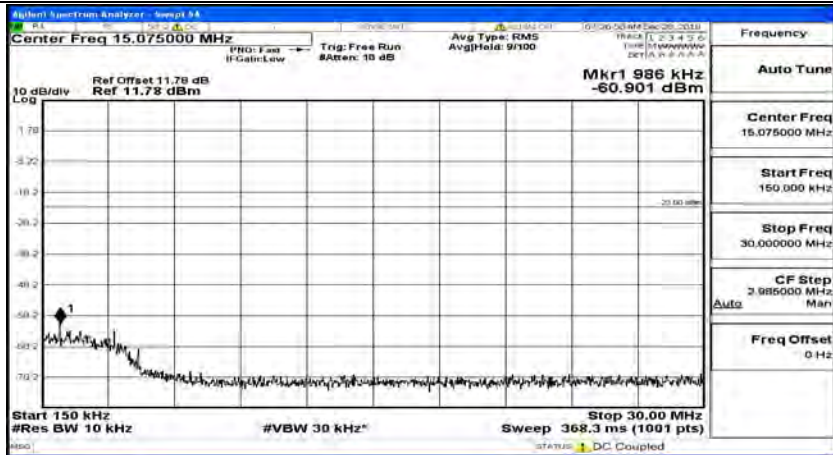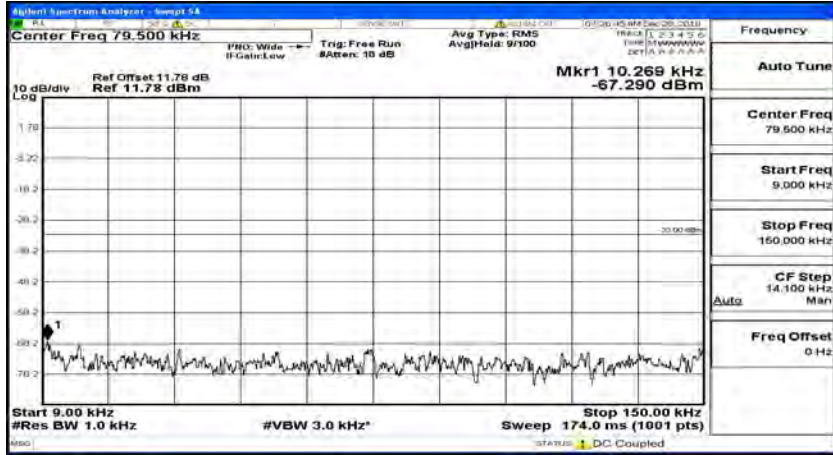
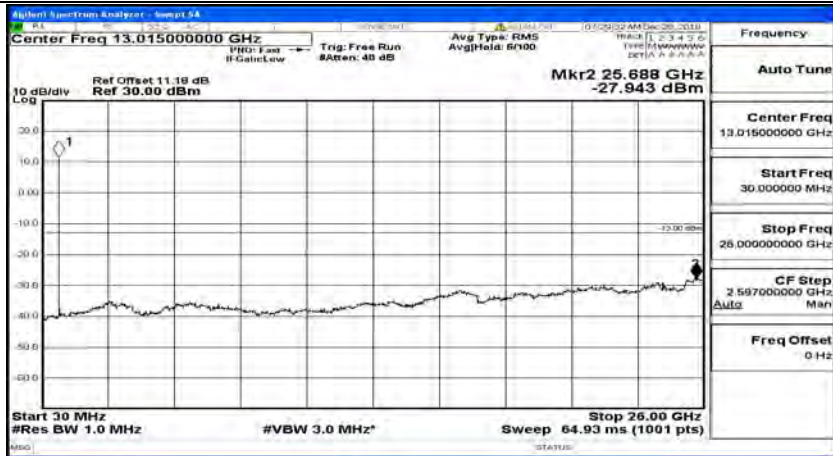| CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_MCH_16QAM |
|---|
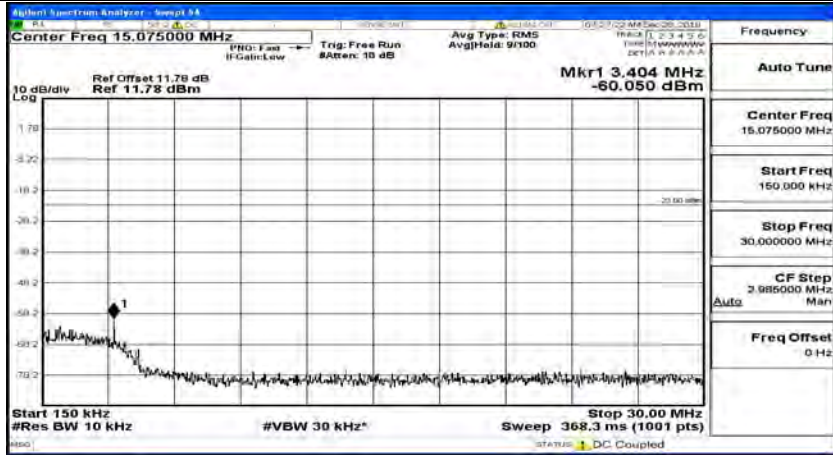
CSE Test Graph(s) (Channel Bandwidth: 5 MHz)_HCH_16QAM

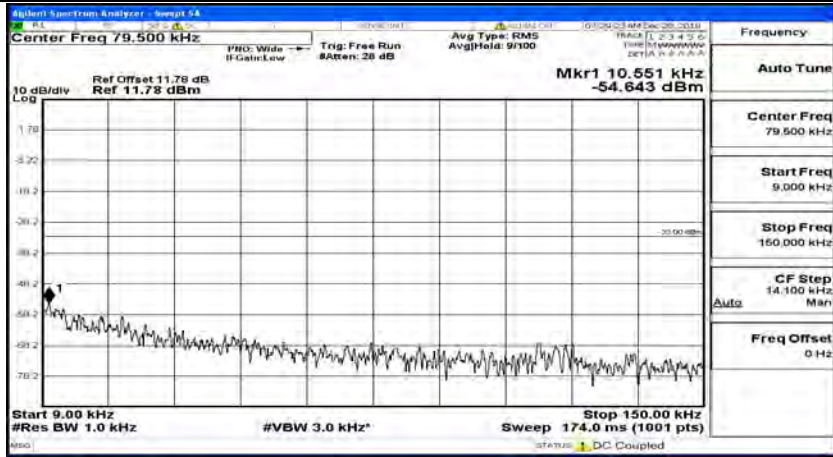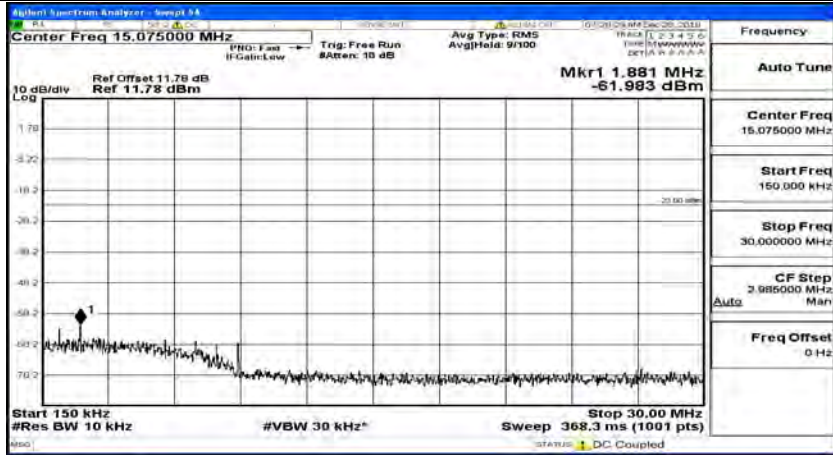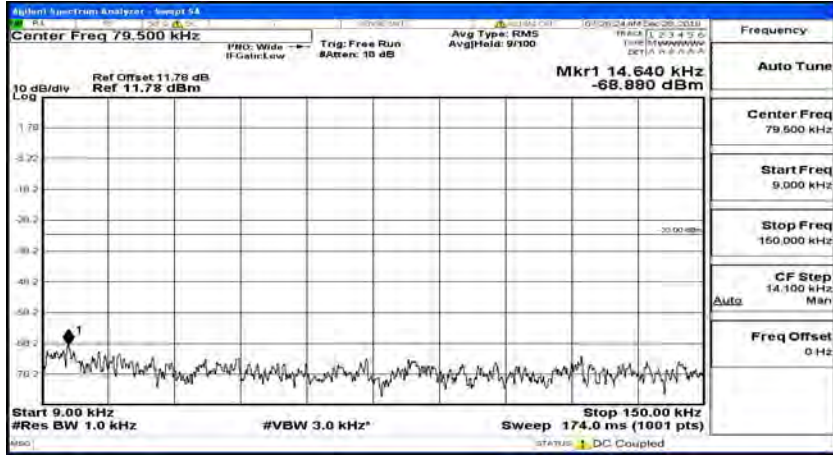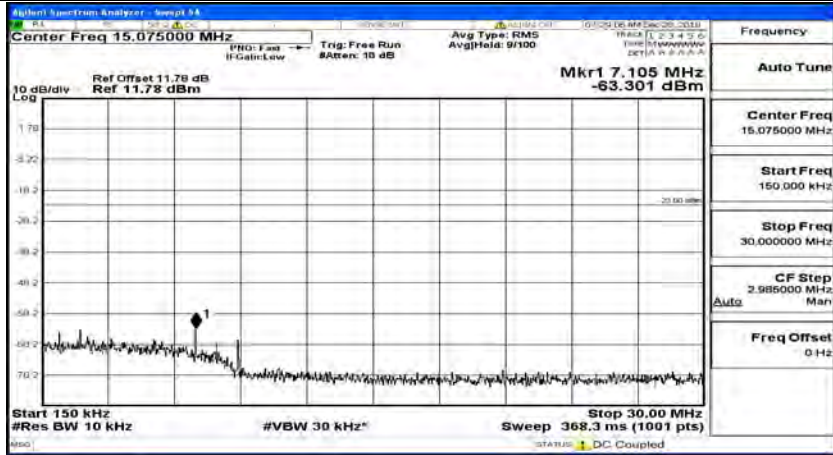| CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_QPSK |
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CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_QPSK

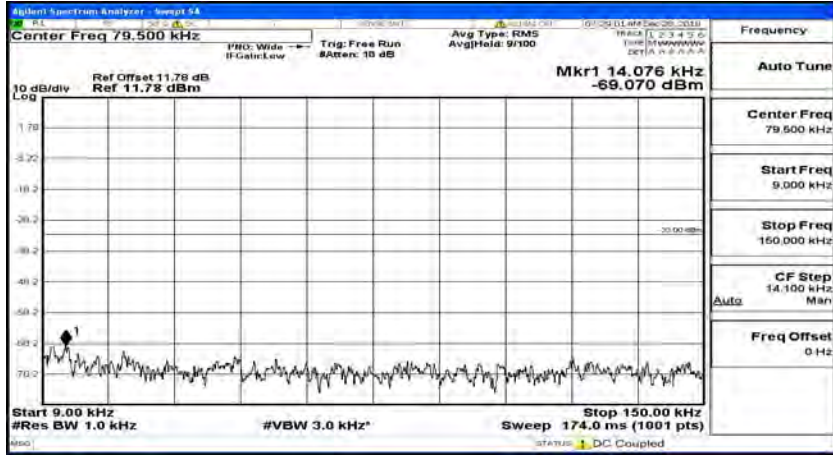| CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_QPSK |
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CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_LCH_16QAM

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_MCH_16QAM

CSE Test Graph(s) (Channel Bandwidth: 10 MHz)_HCH_16QAM