Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.43	PASS
		1	3	22.32	PASS
		1	5	22.22	PASS
		3	0	22.31	PASS
		3	2	22.29	PASS
		3	3	22.29	PASS
		6	0	21.29	PASS
	MCH	1	0	21.93	PASS
		1	3	22.02	PASS
		1	5	21.90	PASS
		3	0	21.13	PASS
		3	2	21.34	PASS
		3	3	21.37	PASS
		6	0	20.35	PASS
	HCH	1	0	21.52	PASS
		1	3	21.57	PASS
		1	5	21.48	PASS
		3	0	21.56	PASS
		3	2	21.51	PASS
		3	3	21.53	PASS
		6	0	20.50	PASS
16QAM	LCH	1	0	21.50	PASS
		1	3	21.61	PASS
		1	5	21.48	PASS
		3	0	21.44	PASS
		3	2	21.39	PASS
		3	3	21.38	PASS
		6	0	20.26	PASS
	MCH	1	0	21.40	PASS
		1	3	21.50	PASS
		1	5	21.33	PASS
		3	0	20.44	PASS
		3	2	20.42	PASS

		3	3	20.45	PASS
		6	0	21.37	PASS
	HCH	1	0	20.86	PASS
		1	3	21.00	PASS
		1	5	20.86	PASS
		3	0	20.78	PASS
		3	2	20.71	PASS
		3	3	20.75	PASS
		6	0	21.42	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.70	PASS
		1	7	21.76	PASS
		1	14	21.64	PASS
		8	0	20.76	PASS
		8	4	20.70	PASS
		8	7	20.67	PASS
		15	0	20.68	PASS
	MCH	1	0	21.34	PASS
		1	7	21.42	PASS
		1	14	21.27	PASS
		8	0	20.37	PASS
		8	4	20.37	PASS
		8	7	20.34	PASS
		15	0	20.36	PASS
	HCH	1	0	21.54	PASS
		1	7	21.55	PASS
		1	14	21.45	PASS
		8	0	20.50	PASS
		8	4	20.51	PASS
		8	7	20.49	PASS
		15	0	20.54	PASS
16QAM	LCH	1	0	20.97	PASS
		1	7	21.03	PASS
		1	14	20.89	PASS
		8	0	20.82	PASS
		8	4	20.79	PASS
		8	7	20.73	PASS
		15	0	20.64	PASS
	MCH	1	0	20.70	PASS

		1	7	20.75	PASS
		1	14	20.58	PASS
		8	0	20.47	PASS
		8	4	21.49	PASS
		8	7	21.43	PASS
		15	0	21.37	PASS
	HCH	1	0	20.87	PASS
		1	7	21.00	PASS
		1	14	20.82	PASS
		8	0	21.59	PASS
		8	4	21.63	PASS
		8	7	21.57	PASS
		15	0	21.53	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.74	PASS
		1	12	21.72	PASS
		1	24	21.61	PASS
		12	0	20.71	PASS
		12	6	20.66	PASS
		12	13	20.63	PASS
		25	0	20.61	PASS
	MCH	1	0	21.35	PASS
		1	12	21.49	PASS
		1	24	21.55	PASS
		12	0	20.67	PASS
		12	6	21.32	PASS
		12	13	20.68	PASS
		25	0	21.38	PASS
	HCH	1	0	21.54	PASS
		1	12	21.68	PASS
		1	24	21.59	PASS
		12	0	20.61	PASS
		12	6	20.61	PASS
		12	13	20.62	PASS
		25	0	20.58	PASS
16QAM	LCH	1	0	21.08	PASS
		1	12	21.02	PASS
		1	24	21.10	PASS
		12	0	20.12	PASS

		12	6	21.98	PASS
		12	13	21.72	PASS
		25	0	21.79	PASS
	MCH	1	0	21.02	PASS
		1	12	20.90	PASS
		1	24	20.80	PASS
		12	0	21.62	PASS
		12	6	21.60	PASS
		12	13	21.59	PASS
		25	0	21.43	PASS
	HCH	1	0	21.04	PASS
		1	12	21.20	PASS
		1	24	21.08	PASS
		12	0	20.77	PASS
		12	6	20.80	PASS
		12	13	20.82	PASS
		25	0	20.63	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.78	PASS
		1	24	22.63	PASS
		1	49	22.48	PASS
		25	0	22.64	PASS
		25	12	22.60	PASS
		25	25	21.51	PASS
		50	0	21.63	PASS
	MCH	1	0	21.55	PASS
		1	24	21.43	PASS
		1	49	21.35	PASS
		25	0	20.47	PASS
		25	12	20.44	PASS
		25	25	20.36	PASS
		50	0	20.40	PASS
	HCH	1	0	21.51	PASS
		1	24	21.45	PASS
		1	49	21.51	PASS
		25	0	20.39	PASS
		25	12	20.43	PASS
		25	25	20.50	PASS
		50	0	20.47	PASS

16QAM	LCH	1	0	21.04	PASS
		1	24	20.99	PASS
		1	49	20.85	PASS
		25	0	20.70	PASS
		25	12	20.67	PASS
		25	25	20.60	PASS
		50	0	21.65	PASS
	MCH	1	0	20.93	PASS
		1	24	20.75	PASS
		1	49	20.62	PASS
		25	0	20.50	PASS
		25	12	20.44	PASS
		25	25	21.38	PASS
		50	0	21.45	PASS
	HCH	1	0	20.71	PASS
		1	24	20.76	PASS
		1	49	20.89	PASS
		25	0	21.34	PASS
		25	12	21.56	PASS
		25	25	21.32	PASS
		50	0	21.49	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.88	<13	PASS
		1	3	4.81	<13	PASS
		1	5	4.94	<13	PASS
		3	0	5.02	<13	PASS
		3	2	5.09	<13	PASS
		3	3	5.17	<13	PASS
		6	0	5.58	<13	PASS
	MCH	1	0	5.39	<13	PASS
		1	3	5.03	<13	PASS
		1	5	4.96	<13	PASS
		3	0	5.46	<13	PASS
		3	2	5.29	<13	PASS
		3	3	5.25	<13	PASS
		6	0	5.76	<13	PASS
	HCH	1	0	6.51	<13	PASS
		1	3	6.33	<13	PASS
		1	5	6.34	<13	PASS
		3	0	6.55	<13	PASS
		3	2	6.47	<13	PASS
		3	3	6.28	<13	PASS
		6	0	6.67	<13	PASS
16QAM	LCH	1	0	5.97	<13	PASS
		1	3	5.78	<13	PASS
		1	5	5.89	<13	PASS
		3	0	5.97	<13	PASS
		3	2	6.02	<13	PASS
		3	3	6.15	<13	PASS
		6	0	6.34	<13	PASS
	MCH	1	0	6.33	<13	PASS
		1	3	6.03	<13	PASS
		1	5	6.09	<13	PASS
		3	0	6.46	<13	PASS

		3	2	6.28	<13	PASS
		3	3	6.19	<13	PASS
		6	0	6.68	<13	PASS
	HCH	1	0	7.26	<13	PASS
		1	3	7.06	<13	PASS
		1	5	6.93	<13	PASS
		3	0	7.43	<13	PASS
		3	2	7.4	<13	PASS
		3	3	7.21	<13	PASS
		6	0	7.42	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.91	<13	PASS
		1	7	5.11	<13	PASS
		1	14	5.6	<13	PASS
		8	0	5.53	<13	PASS
		8	4	5.68	<13	PASS
		8	7	5.83	<13	PASS
		15	0	5.64	<13	PASS
	MCH	1	0	5.76	<13	PASS
		1	7	5.22	<13	PASS
		1	14	4.91	<13	PASS
		8	0	6.07	<13	PASS
		8	4	5.77	<13	PASS
		8	7	5.64	<13	PASS
		15	0	5.85	<13	PASS
	HCH	1	0	6.41	<13	PASS
		1	7	6.41	<13	PASS
		1	14	6.2	<13	PASS
		8	0	6.64	<13	PASS
		8	4	6.46	<13	PASS
		8	7	6.51	<13	PASS
		15	0	6.68	<13	PASS
16QAM	LCH	1	0	5.85	<13	PASS
		1	7	6.14	<13	PASS
		1	14	6.27	<13	PASS
		8	0	6.11	<13	PASS
		8	4	6.39	<13	PASS

		8	7	6.4	<13	PASS
		15	0	6.56	<13	PASS
	MCH	1	0	6.84	<13	PASS
		1	7	6.24	<13	PASS
		1	14	5.85	<13	PASS
		8	0	6.63	<13	PASS
		8	4	6.55	<13	PASS
		8	7	6.29	<13	PASS
		15	0	6.79	<13	PASS
	HCH	1	0	7.26	<13	PASS
		1	7	7.29	<13	PASS
		1	14	7.12	<13	PASS
		8	0	7.38	<13	PASS
		8	4	7.37	<13	PASS
		8	7	7.22	<13	PASS
		15	0	7.53	<13	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.73	<13	PASS
		1	12	5.25	<13	PASS
		1	24	5.96	<13	PASS
		12	0	5.64	<13	PASS
		12	6	5.86	<13	PASS
		12	13	6.17	<13	PASS
		25	0	6.06	<13	PASS
	MCH	1	0	5.99	<13	PASS
		1	12	5.17	<13	PASS
		1	24	4.39	<13	PASS
		12	0	6.04	<13	PASS
		12	6	5.8	<13	PASS
		12	13	5.48	<13	PASS
		25	0	5.92	<13	PASS
	HCH	1	0	5.56	<13	PASS
		1	12	6.05	<13	PASS
		1	24	6.05	<13	PASS
		12	0	6.54	<13	PASS
		12	6	6.69	<13	PASS
		12	13	6.6	<13	PASS

		25	0	6.76	<13	PASS
16QAM	LCH	1	0	5.66	<13	PASS
		1	12	6.13	<13	PASS
		1	24	6.78	<13	PASS
		12	0	6.31	<13	PASS
		12	6	6.52	<13	PASS
		12	13	6.99	<13	PASS
		25	0	6.66	<13	PASS
	MCH	1	0	6.81	<13	PASS
		1	12	6.07	<13	PASS
		1	24	5.39	<13	PASS
		12	0	6.88	<13	PASS
		12	6	6.51	<13	PASS
		12	13	6.23	<13	PASS
		25	0	6.64	<13	PASS
	HCH	1	0	6.63	<13	PASS
		1	12	7.23	<13	PASS
		1	24	6.93	<13	PASS
		12	0	7.19	<13	PASS
		12	6	7.39	<13	PASS
		12	13	7.4	<13	PASS
		25	0	7.46	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.92	<13	PASS
		1	24	6.12	<13	PASS
		1	49	6.48	<13	PASS
		25	0	6.13	<13	PASS
		25	12	6.6	<13	PASS
		25	25	6.54	<13	PASS
		50	0	6.38	<13	PASS
	MCH	1	0	6.48	<13	PASS
		1	24	5.34	<13	PASS
		1	49	4.89	<13	PASS
		25	0	6.25	<13	PASS
		25	12	5.83	<13	PASS
		25	25	5.27	<13	PASS
		50	0	5.67	<13	PASS

	HCH	1	0	4.54	<13	PASS
		1	24	5.79	<13	PASS
		1	49	6.48	<13	PASS
		25	0	5.44	<13	PASS
		25	12	6.19	<13	PASS
		25	25	6.63	<13	PASS
		50	0	6.07	<13	PASS
16QAM	LCH	1	0	5.87	<13	PASS
		1	24	7.16	<13	PASS
		1	49	7.35	<13	PASS
		25	0	6.8	<13	PASS
		25	12	7.33	<13	PASS
		25	25	7.3	<13	PASS
		50	0	6.98	<13	PASS
	MCH	1	0	7.51	<13	PASS
		1	24	6.42	<13	PASS
		1	49	5.6	<13	PASS
		25	0	7	<13	PASS
		25	12	6.65	<13	PASS
		25	25	6.17	<13	PASS
		50	0	6.37	<13	PASS
	HCH	1	0	5.49	<13	PASS
		1	24	6.65	<13	PASS
		1	49	7.71	<13	PASS
		25	0	6.34	<13	PASS
		25	12	6.98	<13	PASS
		25	25	7.31	<13	PASS
		50	0	6.66	<13	PASS

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)_LCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0

(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)_MCH_QPSK_3RB#0

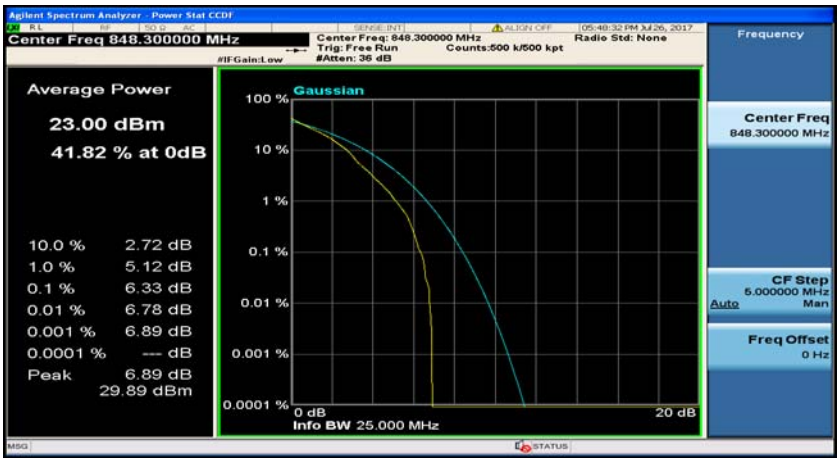
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0

(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)_HCH_QPSK_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

(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)_LCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

(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)_MCH_16QAM_3RB#0

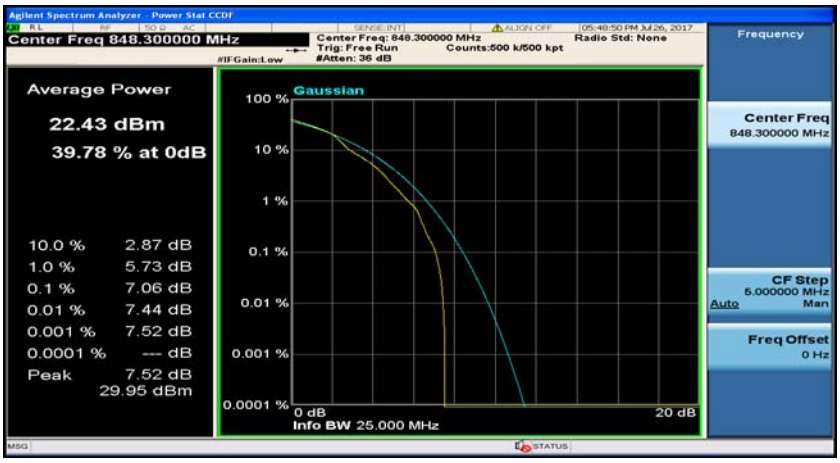
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0

(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: 1.4 MHz)_HCH_16QAM_3RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

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

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0

(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)_HCH_QPSK_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0

(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)_LCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0

(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)_MCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(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: 3 MHz)_HCH_16QAM_8RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12