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	23.61	PASS
		1	3	22.84	PASS
		1	5	23.00	PASS
		3	0	23.15	PASS
		3	2	23.14	PASS
		3	3	23.12	PASS
		6	0	22.10	PASS
	MCH	1	0	22.41	PASS
		1	3	22.46	PASS
		1	5	22.37	PASS
		3	0	22.46	PASS
		3	2	22.39	PASS
		3	3	22.43	PASS
		6	0	21.38	PASS
	HCH	1	0	21.97	PASS
		1	3	22.04	PASS
		1	5	21.91	PASS
		3	0	22.05	PASS
		3	2	22.04	PASS
		3	3	22.05	PASS
		6	0	20.98	PASS
16QAM	LCH	1	0	22.31	PASS
		1	3	22.43	PASS
		1	5	22.27	PASS
		3	0	22.28	PASS
		3	2	22.23	PASS
		3	3	22.22	PASS
		6	0	21.07	PASS
	MCH	1	0	21.86	PASS
		1	3	21.96	PASS
		1	5	21.81	PASS
		3	0	21.49	PASS
		3	2	21.47	PASS

		3	3	21.50	PASS
		6	0	20.37	PASS
	HCH	1	0	21.21	PASS
		1	3	21.34	PASS
		1	5	21.22	PASS
		3	0	21.21	PASS
		3	2	21.16	PASS
		3	3	21.19	PASS
		6	0	20.98	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.04	PASS
		1	7	23.06	PASS
		1	14	22.88	PASS
		8	0	22.14	PASS
		8	4	22.06	PASS
		8	7	22.04	PASS
		15	0	22.05	PASS
	MCH	1	0	22.40	PASS
		1	7	22.45	PASS
		1	14	22.25	PASS
		8	0	21.44	PASS
		8	4	21.40	PASS
		8	7	21.35	PASS
		15	0	21.41	PASS
	HCH	1	0	21.99	PASS
		1	7	22.08	PASS
		1	14	21.89	PASS
		8	0	21.07	PASS
		8	4	21.06	PASS
		8	7	21.00	PASS
		15	0	21.05	PASS
16QAM	LCH	1	0	22.32	PASS
		1	7	22.35	PASS
		1	14	22.16	PASS
		8	0	21.22	PASS
		8	4	21.14	PASS
		8	7	21.11	PASS
		15	0	21.09	PASS
	MCH	1	0	21.74	PASS

		1	7	21.80	PASS
		1	14	21.58	PASS
		8	0	20.54	PASS
		8	4	20.51	PASS
		8	7	20.45	PASS
		15	0	20.43	PASS
	HCH	1	0	21.25	PASS
		1	7	21.36	PASS
		1	14	21.22	PASS
		8	0	20.65	PASS
		8	4	20.85	PASS
		8	7	20.69	PASS
		15	0	20.63	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.13	PASS
		1	12	23.05	PASS
		1	24	22.88	PASS
		12	0	22.10	PASS
		12	6	22.03	PASS
		12	13	22.00	PASS
		25	0	21.98	PASS
	MCH	1	0	22.56	PASS
		1	12	22.53	PASS
		1	24	22.30	PASS
		12	0	21.56	PASS
		12	6	21.50	PASS
		12	13	21.42	PASS
		25	0	21.41	PASS
	HCH	1	0	22.14	PASS
		1	12	22.15	PASS
		1	24	21.99	PASS
		12	0	21.17	PASS
		12	6	21.13	PASS
		12	13	21.09	PASS
		25	0	21.06	PASS
16QAM	LCH	1	0	22.54	PASS
		1	12	22.44	PASS
		1	24	22.28	PASS
		12	0	21.29	PASS

		12	6	21.21	PASS
		12	13	21.18	PASS
		25	0	21.05	PASS
	MCH	1	0	22.04	PASS
		1	12	22.00	PASS
		1	24	21.75	PASS
		12	0	20.74	PASS
		12	6	20.68	PASS
		12	13	20.60	PASS
		25	0	20.49	PASS
	HCH	1	0	21.48	PASS
		1	12	21.55	PASS
		1	24	21.43	PASS
		12	0	20.30	PASS
		12	6	20.29	PASS
		12	13	20.25	PASS
		25	0	20.11	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.62	PASS
		1	24	22.87	PASS
		1	49	22.63	PASS
		25	0	22.02	PASS
		25	12	21.88	PASS
		25	25	21.76	PASS
		50	0	21.89	PASS
	MCH	1	0	22.67	PASS
		1	24	22.44	PASS
		1	49	22.14	PASS
		25	0	21.57	PASS
		25	12	21.46	PASS
		25	25	21.30	PASS
		50	0	21.45	PASS
	HCH	1	0	22.30	PASS
		1	24	22.10	PASS
		1	49	21.95	PASS
		25	0	21.22	PASS
		25	12	21.13	PASS
		25	25	21.04	PASS
		50	0	21.13	PASS

16QAM	LCH	1	0	22.41	PASS
		1	24	22.17	PASS
		1	49	21.96	PASS
		25	0	21.07	PASS
		25	12	20.95	PASS
		25	25	20.83	PASS
		50	0	20.94	PASS
	MCH	1	0	22.04	PASS
		1	24	21.78	PASS
		1	49	21.44	PASS
		25	0	20.67	PASS
		25	12	20.51	PASS
		25	25	20.32	PASS
		50	0	20.46	PASS
	HCH	1	0	21.63	PASS
		1	24	21.35	PASS
		1	49	21.26	PASS
		25	0	20.24	PASS
		25	12	20.15	PASS
		25	25	20.08	PASS
		50	0	20.14	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	4.89	<13	PASS
		1	3	4.55	<13	PASS
		1	5	4.72	<13	PASS
		3	0	4.72	<13	PASS
		3	2	4.67	<13	PASS
		3	3	4.62	<13	PASS
		6	0	5.35	<13	PASS
	MCH	1	0	5.44	<13	PASS
		1	3	5.49	<13	PASS
		1	5	5.36	<13	PASS
		3	0	5.58	<13	PASS
		3	2	5.55	<13	PASS
		3	3	5.69	<13	PASS
		6	0	6.06	<13	PASS
	HCH	1	0	4.58	<13	PASS
		1	3	4.79	<13	PASS
		1	5	5.27	<13	PASS
		3	0	4.94	<13	PASS
		3	2	5.16	<13	PASS
		3	3	5.16	<13	PASS
		6	0	5.66	<13	PASS
16QAM	LCH	1	0	5.52	<13	PASS
		1	3	5.45	<13	PASS
		1	5	5.39	<13	PASS
		3	0	5.79	<13	PASS
		3	2	5.71	<13	PASS
		3	3	5.6	<13	PASS
		6	0	6.22	<13	PASS
	MCH	1	0	6.67	<13	PASS
		1	3	6.4	<13	PASS
		1	5	6.55	<13	PASS
		3	0	6.8	<13	PASS

		3	2	6.77	<13	PASS
		3	3	6.73	<13	PASS
		6	0	6.91	<13	PASS
	HCH	1	0	5.44	<13	PASS
		1	3	5.9	<13	PASS
		1	5	6.31	<13	PASS
		3	0	5.73	<13	PASS
		3	2	5.95	<13	PASS
		3	3	6.2	<13	PASS
		6	0	6.58	<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	5.08	<13	PASS
		1	7	4.81	<13	PASS
		1	14	4.8	<13	PASS
		8	0	5.47	<13	PASS
		8	4	5.47	<13	PASS
		8	7	5.36	<13	PASS
		15	0	5.45	<13	PASS
	MCH	1	0	5.99	<13	PASS
		1	7	5.82	<13	PASS
		1	14	5.66	<13	PASS
		8	0	6.17	<13	PASS
		8	4	6.2	<13	PASS
		8	7	6.14	<13	PASS
		15	0	6.09	<13	PASS
	HCH	1	0	4.5	<13	PASS
		1	7	4.71	<13	PASS
		1	14	5.15	<13	PASS
		8	0	5.14	<13	PASS
		8	4	5.41	<13	PASS
		8	7	5.49	<13	PASS
		15	0	5.35	<13	PASS
16QAM	LCH	1	0	5.73	<13	PASS
		1	7	5.57	<13	PASS
		1	14	5.89	<13	PASS
		8	0	6.13	<13	PASS
		8	4	6.17	<13	PASS

		8	7	6.27	<13	PASS
		15	0	6.25	<13	PASS
	MCH	1	0	7.06	<13	PASS
		1	7	6.83	<13	PASS
		1	14	6.87	<13	PASS
		8	0	6.85	<13	PASS
		8	4	6.77	<13	PASS
		8	7	6.65	<13	PASS
		15	0	7.01	<13	PASS
	HCH	1	0	5.38	<13	PASS
		1	7	5.59	<13	PASS
		1	14	6.01	<13	PASS
		8	0	5.91	<13	PASS
		8	4	6.09	<13	PASS
		8	7	6.22	<13	PASS
		15	0	6.29	<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	4.7	<13	PASS
		1	12	4.44	<13	PASS
		1	24	4.59	<13	PASS
		12	0	5.29	<13	PASS
		12	6	5.24	<13	PASS
		12	13	5.24	<13	PASS
		25	0	5.32	<13	PASS
	MCH	1	0	5.49	<13	PASS
		1	12	5.43	<13	PASS
		1	24	5.21	<13	PASS
		12	0	6.09	<13	PASS
		12	6	6.12	<13	PASS
		12	13	6.13	<13	PASS
		25	0	6.09	<13	PASS
	HCH	1	0	4.28	<13	PASS
		1	12	4.32	<13	PASS
		1	24	4.97	<13	PASS
		12	0	5.05	<13	PASS
		12	6	5.16	<13	PASS
		12	13	5.31	<13	PASS

		25	0	5.27	<13	PASS
16QAM	LCH	1	0	5.61	<13	PASS
		1	12	5.33	<13	PASS
		1	24	5.56	<13	PASS
		12	0	6.1	<13	PASS
		12	6	6.09	<13	PASS
		12	13	6.11	<13	PASS
		25	0	6.16	<13	PASS
	MCH	1	0	6.48	<13	PASS
		1	12	6.32	<13	PASS
		1	24	6.18	<13	PASS
		12	0	6.86	<13	PASS
		12	6	6.69	<13	PASS
		12	13	6.8	<13	PASS
		25	0	6.92	<13	PASS
	HCH	1	0	5.17	<13	PASS
		1	12	5.19	<13	PASS
		1	24	5.79	<13	PASS
		12	0	5.91	<13	PASS
		12	6	6.01	<13	PASS
		12	13	6.18	<13	PASS
		25	0	6.08	<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	4.81	<13	PASS
		1	24	4.92	<13	PASS
		1	49	5.62	<13	PASS
		25	0	5.23	<13	PASS
		25	12	5.39	<13	PASS
		25	25	5.78	<13	PASS
		50	0	5.49	<13	PASS
	MCH	1	0	5.56	<13	PASS
		1	24	5.68	<13	PASS
		1	49	5.11	<13	PASS
		25	0	5.97	<13	PASS
		25	12	5.99	<13	PASS
		25	25	5.85	<13	PASS
		50	0	5.83	<13	PASS

	HCH	1	0	5.45	<13	PASS
		1	24	4.45	<13	PASS
		1	49	5	<13	PASS
		25	0	5.43	<13	PASS
		25	12	5.08	<13	PASS
		25	25	5.13	<13	PASS
		50	0	5.34	<13	PASS
16QAM	LCH	1	0	5.56	<13	PASS
		1	24	5.78	<13	PASS
		1	49	6.64	<13	PASS
		25	0	6.08	<13	PASS
		25	12	6.3	<13	PASS
		25	25	6.7	<13	PASS
		50	0	6.27	<13	PASS
	MCH	1	0	6.41	<13	PASS
		1	24	6.56	<13	PASS
		1	49	5.99	<13	PASS
		25	0	6.94	<13	PASS
		25	12	6.91	<13	PASS
		25	25	6.72	<13	PASS
		50	0	6.6	<13	PASS
	HCH	1	0	6.46	<13	PASS
		1	24	5.29	<13	PASS
		1	49	5.92	<13	PASS
		25	0	6.3	<13	PASS
		25	12	6.03	<13	PASS
		25	25	6.02	<13	PASS
		50	0	6.1	<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

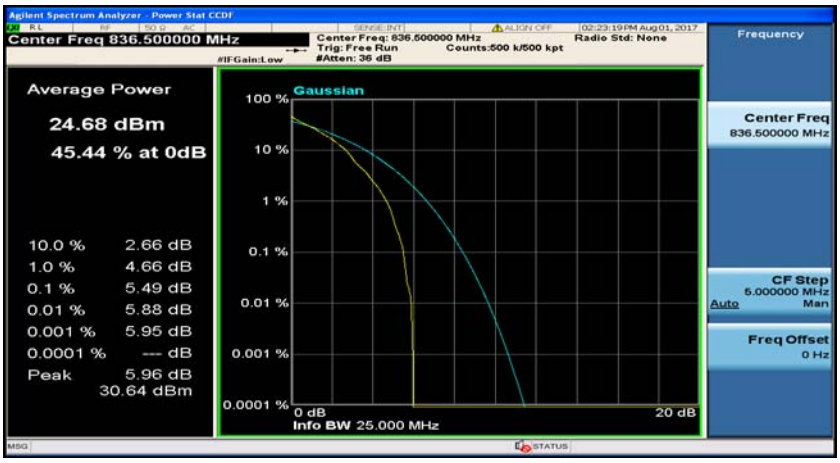
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(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

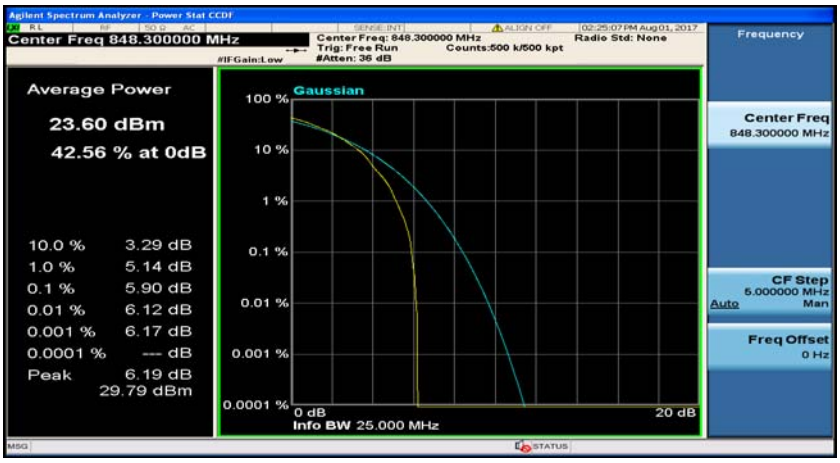
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2

(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