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	21.78	PASS
		1	3	21.85	PASS
		1	5	21.94	PASS
		3	0	20.78	PASS
		3	2	20.85	PASS
		3	3	20.92	PASS
		6	0	20.85	PASS
	MCH	1	0	21.92	PASS
		1	3	22.00	PASS
		1	5	22.26	PASS
		3	0	21.01	PASS
		3	2	21.09	PASS
		3	3	21.18	PASS
		6	0	21.08	PASS
	HCH	1	0	22.26	PASS
		1	3	22.57	PASS
		1	5	22.83	PASS
		3	0	21.43	PASS
		3	2	21.56	PASS
		3	3	21.75	PASS
		6	0	21.57	PASS
16QAM	LCH	1	0	21.12	PASS
		1	3	21.17	PASS
		1	5	21.19	PASS
		3	0	19.87	PASS
		3	2	19.89	PASS
		3	3	19.95	PASS
		6	0	19.89	PASS
	MCH	1	0	21.24	PASS
		1	3	21.26	PASS
		1	5	21.61	PASS
		3	0	19.92	PASS
		3	2	20.04	PASS

		3	3	20.20	PASS
		6	0	20.12	PASS
	HCH	1	0	21.60	PASS
		1	3	21.91	PASS
		1	5	22.15	PASS
		3	0	20.51	PASS
		3	2	20.63	PASS
		3	3	20.79	PASS
		6	0	20.60	PASS

Channel Bandwidth: 3 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.39	PASS
		1	7	21.10	PASS
		1	14	21.32	PASS
		8	0	20.57	PASS
		8	4	20.68	PASS
		8	7	20.63	PASS
		15	0	20.55	PASS
	MCH	1	0	22.41	PASS
		1	7	22.77	PASS
		1	14	22.68	PASS
		8	0	21.63	PASS
		8	4	21.63	PASS
		8	7	21.66	PASS
		15	0	21.59	PASS
	HCH	1	0	23.50	PASS
		1	7	23.06	PASS
		1	14	22.45	PASS
		8	0	21.85	PASS
		8	4	21.89	PASS
		8	7	21.91	PASS
		15	0	21.89	PASS
16QAM	LCH	1	0	21.04	PASS
		1	7	21.30	PASS
		1	14	20.64	PASS
		8	0	20.26	PASS
		8	4	20.85	PASS
		8	7	20.44	PASS
		15	0	20.02	PASS
	MCH	1	0	21.67	PASS

		1	7	21.79	PASS
		1	14	21.78	PASS
		8	0	20.65	PASS
		8	4	20.67	PASS
		8	7	20.70	PASS
		15	0	20.58	PASS
	HCH	1	0	21.90	PASS
		1	7	22.26	PASS
		1	14	21.92	PASS
		8	0	20.94	PASS
		8	4	20.99	PASS
		8	7	20.99	PASS
		15	0	20.89	PASS

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.44	PASS
		1	12	21.61	PASS
		1	24	21.85	PASS
		12	0	20.85	PASS
		12	6	20.82	PASS
		12	13	20.87	PASS
		25	0	20.77	PASS
	MCH	1	0	22.00	PASS
		1	12	21.95	PASS
		1	24	21.84	PASS
		12	0	21.47	PASS
		12	6	21.83	PASS
		12	13	21.66	PASS
		25	0	21.72	PASS
	HCH	1	0	22.66	PASS
		1	12	22.88	PASS
		1	24	22.91	PASS
		12	0	21.77	PASS
		12	6	21.83	PASS
		12	13	21.92	PASS
		25	0	21.77	PASS
16QAM	LCH	1	0	21.25	PASS
		1	12	21.31	PASS
		1	24	21.30	PASS
		12	0	20.03	PASS

		12	6	19.91	PASS
		12	13	20.09	PASS
		25	0	19.87	PASS
	MCH	1	0	22.05	PASS
		1	12	21.99	PASS
		1	24	22.07	PASS
		12	0	20.75	PASS
		12	6	20.79	PASS
		12	13	20.89	PASS
		25	0	20.66	PASS
	HCH	1	0	22.11	PASS
		1	12	22.32	PASS
		1	24	22.32	PASS
		12	0	20.97	PASS
		12	6	21.03	PASS
		12	13	21.12	PASS
		25	0	20.87	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.19	PASS
		1	24	22.30	PASS
		1	49	22.18	PASS
		25	0	22.27	PASS
		25	12	22.24	PASS
		25	25	22.28	PASS
		50	0	21.21	PASS
	MCH	1	0	22.56	PASS
		1	24	22.64	PASS
		1	49	22.61	PASS
		25	0	22.63	PASS
		25	12	22.58	PASS
		25	25	22.63	PASS
		50	0	21.61	PASS
	HCH	1	0	23.33	PASS
		1	24	23.45	PASS
		1	49	23.66	PASS
		25	0	22.78	PASS
		25	12	22.96	PASS
		25	25	22.83	PASS
		50	0	21.88	PASS

16QAM	LCH	1	0	21.49	PASS
		1	24	21.66	PASS
		1	49	21.52	PASS
		25	0	21.48	PASS
		25	12	21.42	PASS
		25	25	21.45	PASS
		50	0	20.22	PASS
	MCH	1	0	21.85	PASS
		1	24	21.98	PASS
		1	49	21.89	PASS
		25	0	21.56	PASS
		25	12	21.55	PASS
		25	25	21.61	PASS
		50	0	20.53	PASS
	HCH	1	0	22.43	PASS
		1	24	22.78	PASS
		1	49	22.16	PASS
		25	0	22.07	PASS
		25	12	22.03	PASS
		25	25	22.06	PASS
		50	0	20.80	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	5.93	<13	PASS
		1	3	5.89	<13	PASS
		1	5	5.8	<13	PASS
		3	0	5.86	<13	PASS
		3	2	5.82	<13	PASS
		3	3	5.82	<13	PASS
		6	0	6.16	<13	PASS
	MCH	1	0	4.18	<13	PASS
		1	3	4.23	<13	PASS
		1	5	4.53	<13	PASS
		3	0	4.37	<13	PASS
		3	2	4.51	<13	PASS
		3	3	4.44	<13	PASS
		6	0	5.05	<13	PASS
	HCH	1	0	4.93	<13	PASS
		1	3	4.67	<13	PASS
		1	5	4.52	<13	PASS
		3	0	4.84	<13	PASS
		3	2	4.73	<13	PASS
		3	3	4.64	<13	PASS
		6	0	5.52	<13	PASS
16QAM	LCH	1	0	6.57	<13	PASS
		1	3	6.77	<13	PASS
		1	5	6.71	<13	PASS
		3	0	6.69	<13	PASS
		3	2	7.07	<13	PASS
		3	3	6.99	<13	PASS
		6	0	7.01	<13	PASS
	MCH	1	0	5.3	<13	PASS
		1	3	5.3	<13	PASS
		1	5	5.21	<13	PASS
		3	0	5.46	<13	PASS

		3	2	5.41	<13	PASS
		3	3	5.46	<13	PASS
		6	0	6.04	<13	PASS
	HCH	1	0	5.81	<13	PASS
		1	3	5.65	<13	PASS
		1	5	5.43	<13	PASS
		3	0	5.79	<13	PASS
		3	2	5.65	<13	PASS
		3	3	5.61	<13	PASS
		6	0	6.44	<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	5.78	<13	PASS
		1	7	5.83	<13	PASS
		1	14	5.67	<13	PASS
		8	0	6.1	<13	PASS
		8	4	6.25	<13	PASS
		8	7	6.21	<13	PASS
		15	0	6.21	<13	PASS
	MCH	1	0	4.32	<13	PASS
		1	7	4.5	<13	PASS
		1	14	4.53	<13	PASS
		8	0	5.05	<13	PASS
		8	4	5.08	<13	PASS
		8	7	5.09	<13	PASS
		15	0	5.18	<13	PASS
	HCH	1	0	5.32	<13	PASS
		1	7	4.84	<13	PASS
		1	14	4.53	<13	PASS
		8	0	5.89	<13	PASS
		8	4	5.74	<13	PASS
		8	7	5.53	<13	PASS
		15	0	5.64	<13	PASS
16QAM	LCH	1	0	6.61	<13	PASS
		1	7	6.81	<13	PASS
		1	14	6.84	<13	PASS
		8	0	6.81	<13	PASS
		8	4	6.81	<13	PASS

		8	7	6.81	<13	PASS
		15	0	7.1	<13	PASS
	MCH	1	0	5.32	<13	PASS
		1	7	5.33	<13	PASS
		1	14	5.39	<13	PASS
		8	0	5.76	<13	PASS
		8	4	5.86	<13	PASS
		8	7	5.96	<13	PASS
		15	0	6.05	<13	PASS
	HCH	1	0	6.31	<13	PASS
		1	7	5.86	<13	PASS
		1	14	5.53	<13	PASS
		8	0	6.49	<13	PASS
		8	4	6.33	<13	PASS
		8	7	6.19	<13	PASS
		15	0	6.66	<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	5.54	<13	PASS
		1	12	5.32	<13	PASS
		1	24	5.36	<13	PASS
		12	0	6.14	<13	PASS
		12	6	5.99	<13	PASS
		12	13	6.04	<13	PASS
		25	0	6.07	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	12	4.07	<13	PASS
		1	24	4.54	<13	PASS
		12	0	5.01	<13	PASS
		12	6	4.96	<13	PASS
		12	13	5.17	<13	PASS
		25	0	5.12	<13	PASS
	HCH	1	0	5.25	<13	PASS
		1	12	4.87	<13	PASS
		1	24	4.47	<13	PASS
		12	0	5.95	<13	PASS
		12	6	5.86	<13	PASS
		12	13	5.65	<13	PASS

		25	0	5.83	<13	PASS
16QAM	LCH	1	0	6.51	<13	PASS
		1	12	6.39	<13	PASS
		1	24	6.21	<13	PASS
		12	0	6.91	<13	PASS
		12	6	6.94	<13	PASS
		12	13	6.85	<13	PASS
		25	0	6.84	<13	PASS
	MCH	1	0	5.12	<13	PASS
		1	12	5.09	<13	PASS
		1	24	5.35	<13	PASS
		12	0	5.86	<13	PASS
		12	6	5.8	<13	PASS
		12	13	5.96	<13	PASS
		25	0	5.94	<13	PASS
	HCH	1	0	6.21	<13	PASS
		1	12	5.88	<13	PASS
		1	24	5.42	<13	PASS
		12	0	6.71	<13	PASS
		12	6	6.74	<13	PASS
		12	13	6.44	<13	PASS
		25	0	6.68	<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	5.74	<13	PASS
		1	24	5.52	<13	PASS
		1	49	4.4	<13	PASS
		25	0	6.01	<13	PASS
		25	12	5.88	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.83	<13	PASS
	MCH	1	0	4.71	<13	PASS
		1	24	4.3	<13	PASS
		1	49	5.18	<13	PASS
		25	0	5.1	<13	PASS
		25	12	5.02	<13	PASS
		25	25	5.32	<13	PASS
		50	0	5.23	<13	PASS

	HCH	1	0	4.85	<13	PASS
		1	24	5.47	<13	PASS
		1	49	4.69	<13	PASS
		25	0	5.76	<13	PASS
		25	12	5.98	<13	PASS
		25	25	5.84	<13	PASS
		50	0	5.75	<13	PASS
16QAM	LCH	1	0	6.83	<13	PASS
		1	24	6.57	<13	PASS
		1	49	5.41	<13	PASS
		25	0	6.81	<13	PASS
		25	12	6.77	<13	PASS
		25	25	6.34	<13	PASS
		50	0	6.54	<13	PASS
	MCH	1	0	5.65	<13	PASS
		1	24	5.23	<13	PASS
		1	49	6.09	<13	PASS
		25	0	5.95	<13	PASS
		25	12	5.93	<13	PASS
		25	25	6.33	<13	PASS
		50	0	6.01	<13	PASS
	HCH	1	0	5.62	<13	PASS
		1	24	6.47	<13	PASS
		1	49	5.6	<13	PASS
		25	0	6.59	<13	PASS
		25	12	6.77	<13	PASS
		25	25	6.68	<13	PASS
		50	0	6.51	<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

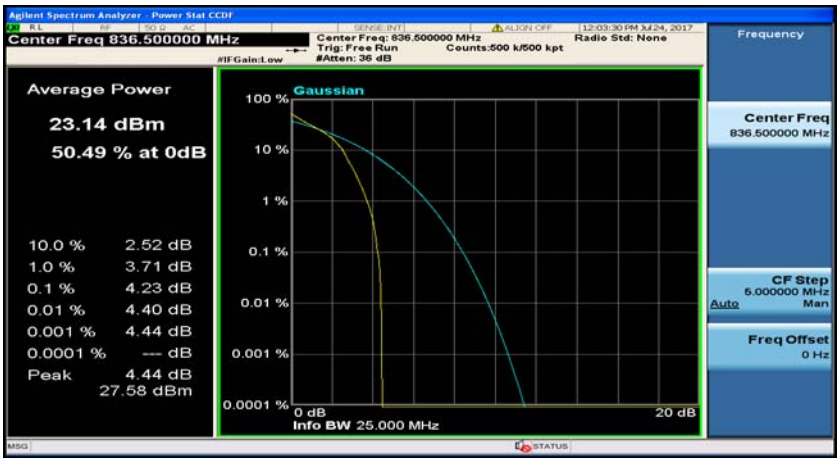
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2

(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

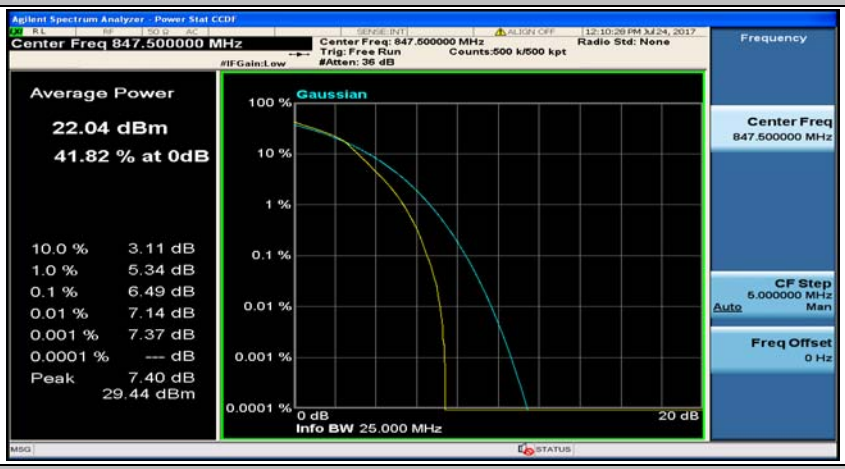
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

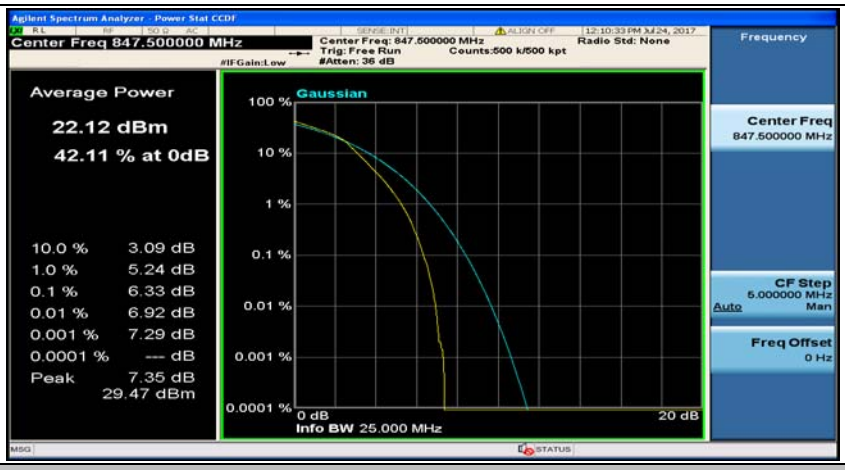
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7

(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