

Appendix G

LTE BAND CA_48C

CONDUCTED OUTPUT POWER AND E.I.R.P.

CONDUCTED OUTPUT POWER (dBm)

LTE Band CA_48C

CA_48C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55538	3579.8	QPSK	1	99	1	0	23.05
				16QAM	1	99	1	0	22.19
				64QAM	1	99	1	0	20.99
				256QAM	1	99	1	0	18.18
55891	3615.1	56089	3634.9	QPSK	1	99	1	0	23.02
				16QAM	1	99	1	0	22.15
				64QAM	1	99	1	0	20.95
				256QAM	1	99	1	0	18.11
56442	3670.2	56640	3690	QPSK	1	99	1	0	23.10
				16QAM	1	99	1	0	22.22
				64QAM	1	99	1	0	21.05
				256QAM	1	99	1	0	18.25
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55511	3577.1	QPSK	1	99	1	0	23.02
				16QAM	1	99	1	0	22.11
				64QAM	1	99	1	0	20.98
				256QAM	1	99	1	0	18.07
55916	3617.6	56087	3634.7	QPSK	1	99	1	0	23.00
				16QAM	1	99	1	0	22.02
				64QAM	1	99	1	0	20.82
				256QAM	1	99	1	0	18.10
56491	3675.1	56662	3692.2	QPSK	1	99	1	0	22.98
				16QAM	1	99	1	0	22.08
				64QAM	1	99	1	0	20.98
				256QAM	1	99	1	0	18.25

Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55318	3557.8	55489	3574.9	QPSK	1	74	1	0	22.92
				16QAM	1	74	1	0	22.08
				64QAM	1	74	1	0	20.98
				256QAM	1	74	1	0	18.11
55893	3615.3	56064	3632.4	QPSK	1	74	1	0	22.93
				16QAM	1	74	1	0	22.06
				64QAM	1	74	1	0	20.95
				256QAM	1	74	1	0	18.05
56469	3672.9	56640	3690	QPSK	1	74	1	0	22.96
				16QAM	1	74	1	0	22.07
				64QAM	1	74	1	0	20.91
				256QAM	1	74	1	0	18.23
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55484	3574.4	QPSK	1	99	1	0	22.94
				16QAM	1	99	1	0	22.08
				64QAM	1	99	1	0	20.85
				256QAM	1	99	1	0	18.13
55941	3620.1	56085	3634.5	QPSK	1	99	1	0	23.01
				16QAM	1	99	1	0	22.12
				64QAM	1	99	1	0	20.82
				256QAM	1	99	1	0	18.00
56541	3680.1	56685	3694.5	QPSK	1	99	1	0	23.10
				16QAM	1	99	1	0	22.17
				64QAM	1	99	1	0	20.92
				256QAM	1	99	1	0	18.14

Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55295	3555.5	55439	3569.9	QPSK	1	49	1	0	23.03
				16QAM	1	49	1	0	22.10
				64QAM	1	49	1	0	20.99
				256QAM	1	49	1	0	18.11
55896	3615.6	56040	3630	QPSK	1	49	1	0	22.88
				16QAM	1	49	1	0	22.03
				64QAM	1	49	1	0	20.92
				256QAM	1	49	1	0	18.10
56496	3675.6	56640	3690	QPSK	1	49	1	0	22.98
				16QAM	1	49	1	0	22.21
				64QAM	1	49	1	0	20.98
				256QAM	1	49	1	0	18.22
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55340	3560	55457	3571.7	QPSK	1	99	1	0	22.95
				16QAM	1	99	1	0	22.16
				64QAM	1	99	1	0	20.93
				256QAM	1	99	1	0	18.16
55965	3622.5	56082	3634.2	QPSK	1	99	1	0	22.88
				16QAM	1	99	1	0	22.13
				64QAM	1	99	1	0	20.89
				256QAM	1	99	1	0	17.96
56590	3685	56707	3696.7	QPSK	1	99	1	0	22.99
				16QAM	1	99	1	0	22.17
				64QAM	1	99	1	0	21.01
				256QAM	1	99	1	0	18.19

Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
55273	3553.3	55390	3565	QPSK	1	24	1	0	23.05
				16QAM	1	24	1	0	22.07
				64QAM	1	24	1	0	20.98
				256QAM	1	24	1	0	18.03
55898	3615.8	56015	3627.5	QPSK	1	24	1	0	22.92
				16QAM	1	24	1	0	22.12
				64QAM	1	24	1	0	20.92
				256QAM	1	24	1	0	18.07
56523	3678.3	56640	3690	QPSK	1	24	1	0	23.05
				16QAM	1	24	1	0	22.18
				64QAM	1	24	1	0	20.94
				256QAM	1	24	1	0	18.19

EIRP
LTE BAND CA_48C

CA_48C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55340	3560	55538	3579.8	QPSK	23.05	-0.50	22.55	179.89	23
				16QAM	22.19	-0.50	21.69	147.57	23
				64QAM	20.99	-0.50	20.49	111.94	23
				256QAM	18.18	-0.50	17.68	58.61	23
55891	3615.1	56089	3634.9	QPSK	23.02	-0.50	22.52	178.65	23
				16QAM	22.15	-0.50	21.65	146.22	23
				64QAM	20.95	-0.50	20.45	110.92	23
				256QAM	18.11	-0.50	17.61	57.68	23
56442	3670.2	56640	3690	QPSK	23.10	-0.50	22.60	181.97	23
				16QAM	22.22	-0.50	21.72	148.59	23
				64QAM	21.05	-0.50	20.55	113.50	23
				256QAM	18.25	-0.50	17.75	59.57	23
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55340	3560	55511	3577.1	QPSK	23.02	-0.50	22.52	178.65	23
				16QAM	22.11	-0.50	21.61	144.88	23
				64QAM	20.98	-0.50	20.48	111.69	23
				256QAM	18.07	-0.50	17.57	57.15	23
55916	3617.6	56087	3634.7	QPSK	23.00	-0.50	22.50	177.83	23
				16QAM	22.02	-0.50	21.52	141.91	23
				64QAM	20.82	-0.50	20.32	107.65	23
				256QAM	18.10	-0.50	17.60	57.54	23
56491	3675.1	56662	3692.2	QPSK	22.98	-0.50	22.48	177.01	23
				16QAM	22.08	-0.50	21.58	143.88	23
				64QAM	20.98	-0.50	20.48	111.69	23
				256QAM	18.25	-0.50	17.75	59.57	23

Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55318	3557.8	55489	3574.9	QPSK	22.92	-0.50	22.42	174.58	23
				16QAM	22.08	-0.50	21.58	143.88	23
				64QAM	20.98	-0.50	20.48	111.69	23
				256QAM	18.11	-0.50	17.61	57.68	23
55893	3615.3	56064	3632.4	QPSK	22.93	-0.50	22.43	174.98	23
				16QAM	22.06	-0.50	21.56	143.22	23
				64QAM	20.95	-0.50	20.45	110.92	23
				256QAM	18.05	-0.50	17.55	56.89	23
56469	3672.9	56640	3690	QPSK	22.96	-0.50	22.46	176.20	23
				16QAM	22.07	-0.50	21.57	143.55	23
				64QAM	20.91	-0.50	20.41	109.90	23
				256QAM	18.23	-0.50	17.73	59.29	23
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55340	3560	55484	3574.4	QPSK	22.94	-0.50	22.44	175.39	23
				16QAM	22.08	-0.50	21.58	143.88	23
				64QAM	20.85	-0.50	20.35	108.39	23
				256QAM	18.13	-0.50	17.63	57.94	23
55941	3620.1	56085	3634.5	QPSK	23.01	-0.50	22.51	178.24	23
				16QAM	22.12	-0.50	21.62	145.21	23
				64QAM	20.82	-0.50	20.32	107.65	23
				256QAM	18.00	-0.50	17.50	56.23	23
56541	3680.1	56685	3694.5	QPSK	23.10	-0.50	22.60	181.97	23
				16QAM	22.17	-0.50	21.67	146.89	23
				64QAM	20.92	-0.50	20.42	110.15	23
				256QAM	18.14	-0.50	17.64	58.08	23

Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55295	3555.5	55439	3569.9	QPSK	23.03	-0.50	22.53	179.06	23
				16QAM	22.10	-0.50	21.60	144.54	23
				64QAM	20.99	-0.50	20.49	111.94	23
				256QAM	18.11	-0.50	17.61	57.68	23
55896	3615.6	56040	3630	QPSK	22.88	-0.50	22.38	172.98	23
				16QAM	22.03	-0.50	21.53	142.23	23
				64QAM	20.92	-0.50	20.42	110.15	23
				256QAM	18.10	-0.50	17.60	57.54	23
56496	3675.6	56640	3690	QPSK	22.98	-0.50	22.48	177.01	23
				16QAM	22.21	-0.50	21.71	148.25	23
				64QAM	20.98	-0.50	20.48	111.69	23
				256QAM	18.22	-0.50	17.72	59.16	23
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55340	3560	55457	3571.7	QPSK	22.95	-0.50	22.45	175.79	23
				16QAM	22.16	-0.50	21.66	146.55	23
				64QAM	20.93	-0.50	20.43	110.41	23
				256QAM	18.16	-0.50	17.66	58.34	23
55965	3622.5	56082	3634.2	QPSK	22.88	-0.50	22.38	172.98	23
				16QAM	22.13	-0.50	21.63	145.55	23
				64QAM	20.89	-0.50	20.39	109.40	23
				256QAM	17.96	-0.50	17.46	55.72	23
56590	3685	56707	3696.7	QPSK	22.99	-0.50	22.49	177.42	23
				16QAM	22.17	-0.50	21.67	146.89	23
				64QAM	21.01	-0.50	20.51	112.46	23
				256QAM	18.19	-0.50	17.69	58.75	23

Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
55273	3553.3	55390	3565	QPSK	23.05	-0.50	22.55	179.89	23
				16QAM	22.07	-0.50	21.57	143.55	23
				64QAM	20.98	-0.50	20.48	111.69	23
				256QAM	18.03	-0.50	17.53	56.62	23
55898	3615.8	56015	3627.5	QPSK	22.92	-0.50	22.42	174.58	23
				16QAM	22.12	-0.50	21.62	145.21	23
				64QAM	20.92	-0.50	20.42	110.15	23
				256QAM	18.07	-0.50	17.57	57.15	23
56523	3678.3	56640	3690	QPSK	23.05	-0.50	22.55	179.89	23
				16QAM	22.18	-0.50	21.68	147.23	23
				64QAM	20.94	-0.50	20.44	110.66	23
				256QAM	18.19	-0.50	17.69	58.75	23

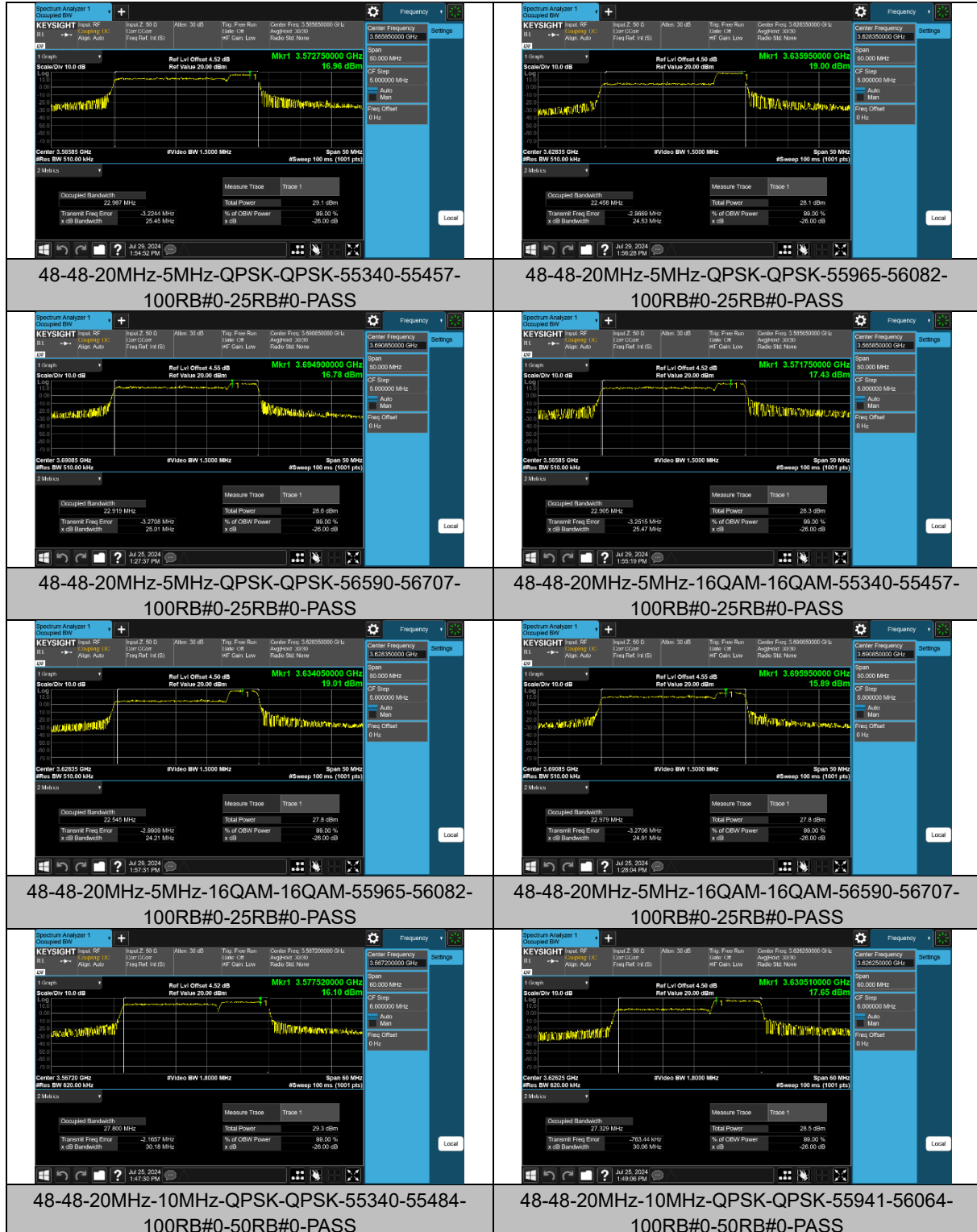
REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

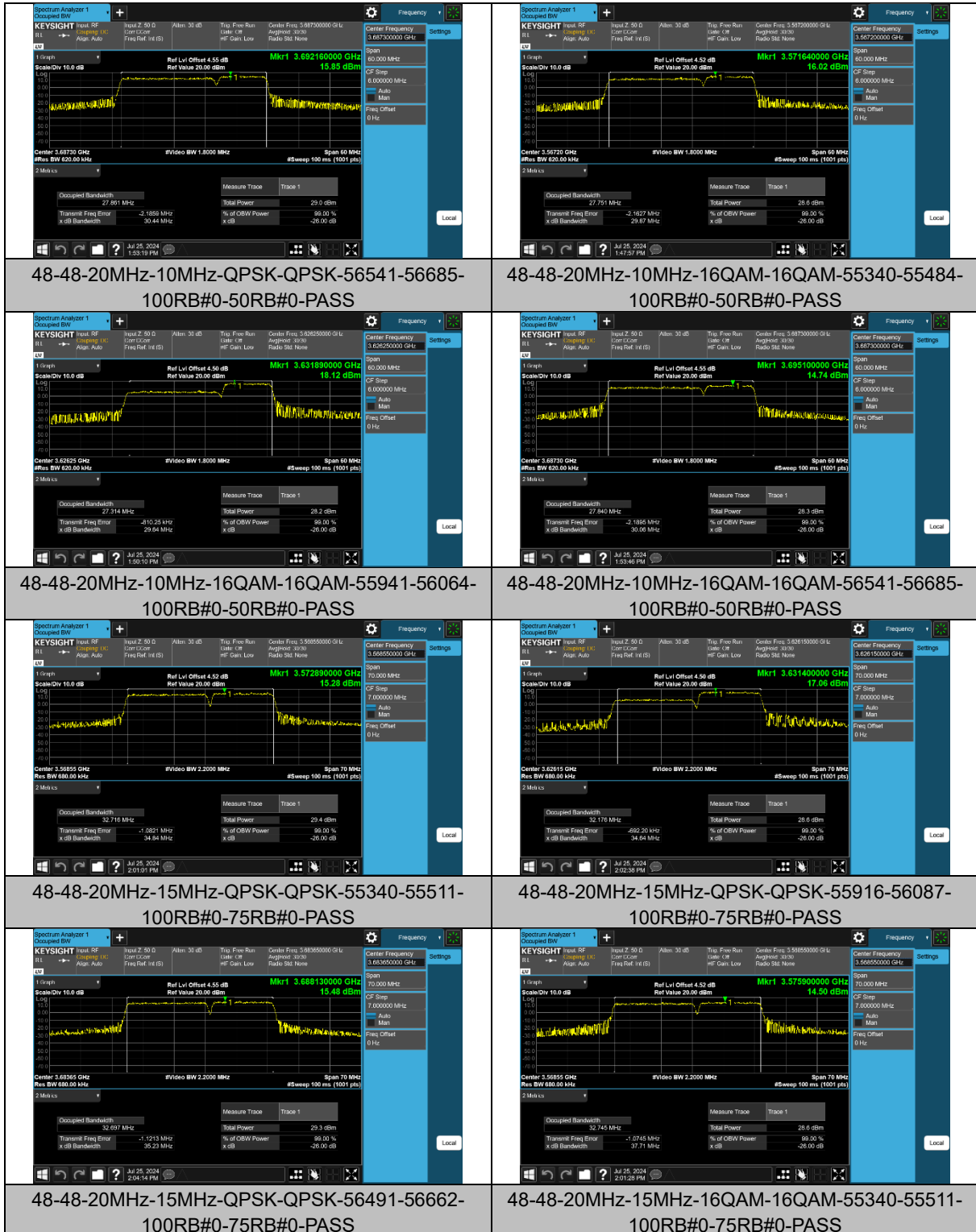
26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

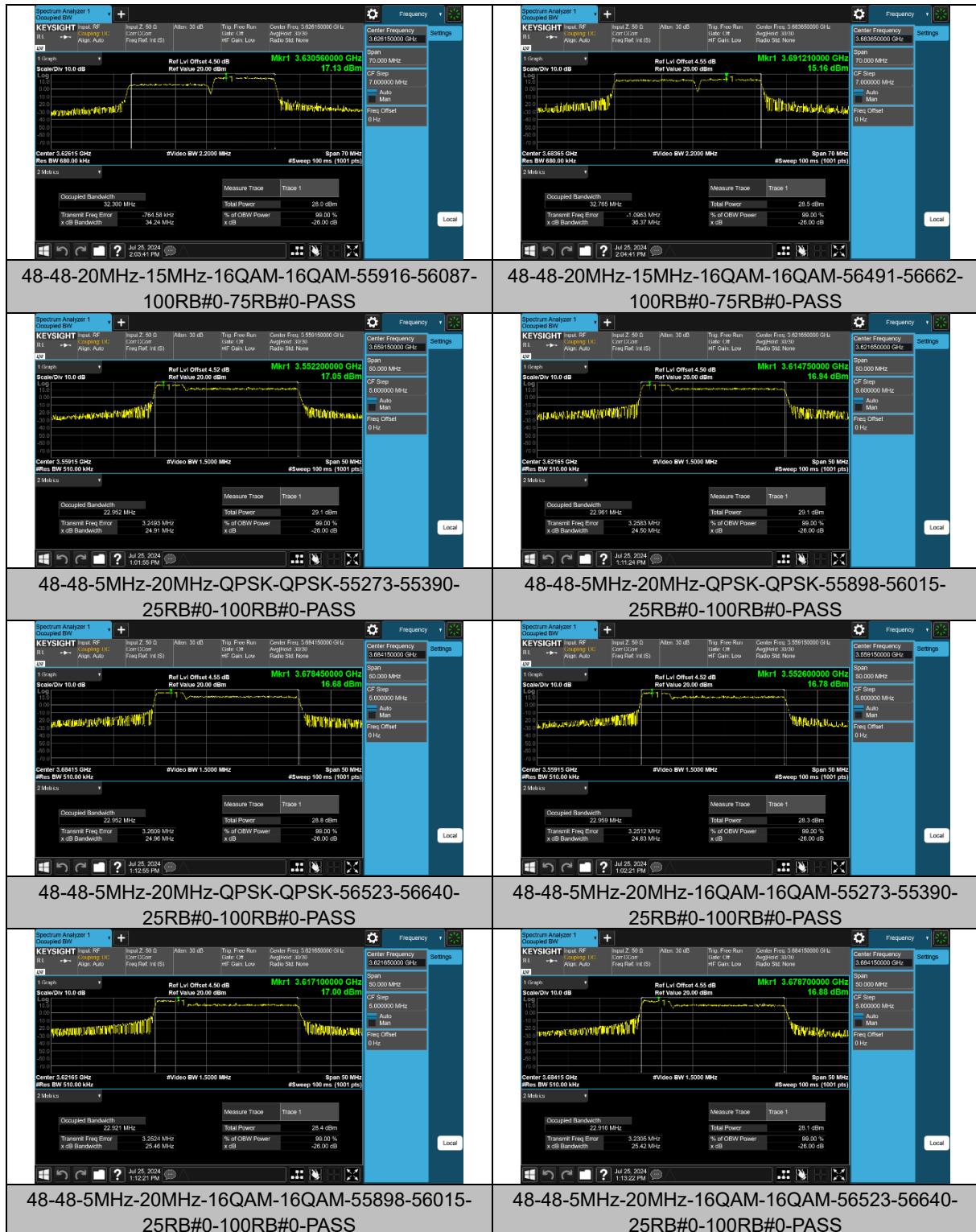
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.987	25.45	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	22.458	24.53	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.919	25.01	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	22.905	25.47	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	22.545	24.21	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	22.979	24.91	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	27.800	30.18	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56064	100RB#0-50RB#0	27.329	30.06	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	27.861	30.44	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	27.751	29.87	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56064	100RB#0-50RB#0	27.314	29.64	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	27.840	30.06	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	32.716	34.84	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	32.176	34.64	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	32.697	35.23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	32.745	37.71	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	32.300	34.24	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	32.765	36.37	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.952	24.91	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	22.961	24.50	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.952	24.96	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	22.959	24.83	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	22.921	25.46	PASS

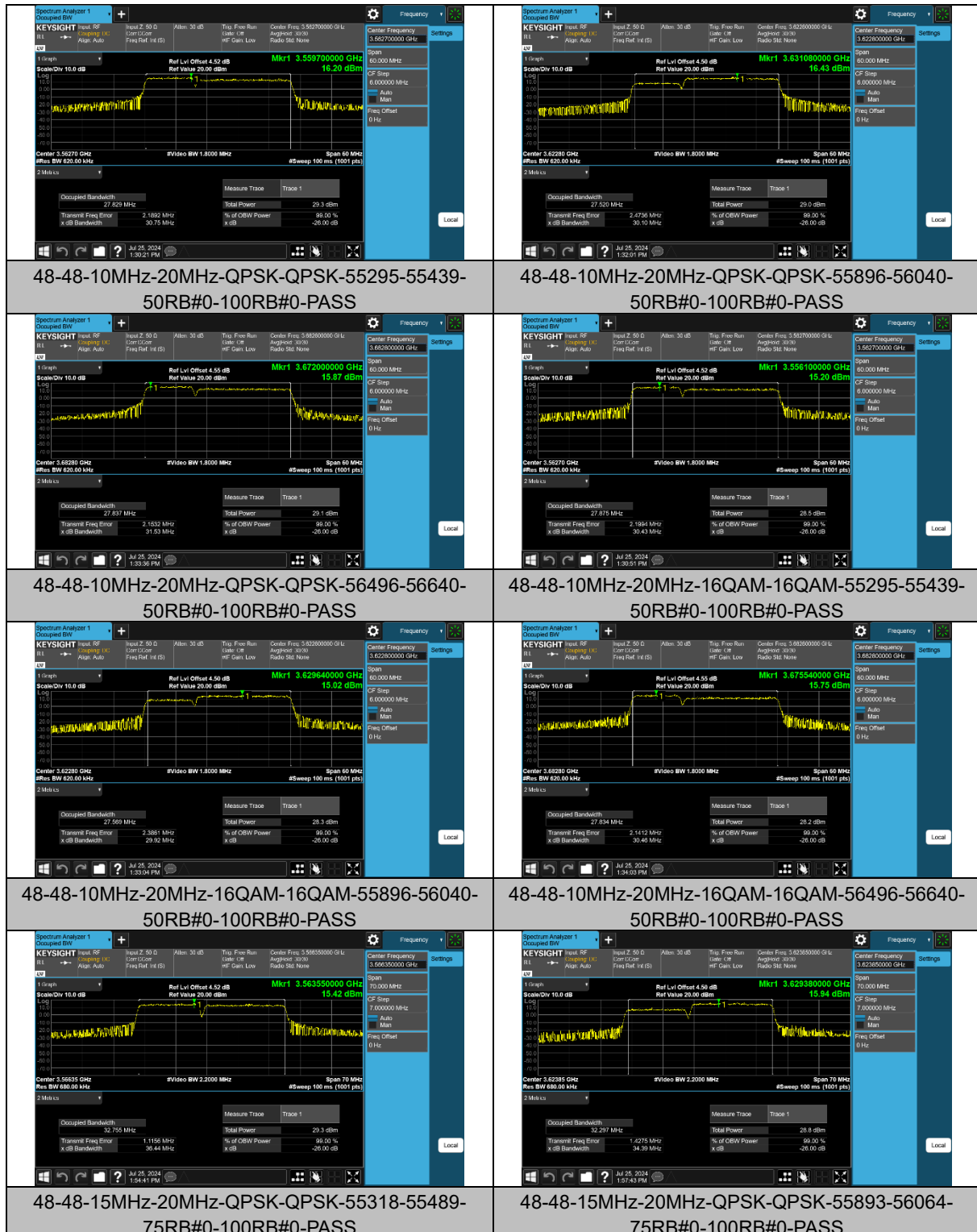
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	22.916	25.42	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	27.829	30.75	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	27.520	30.10	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	27.837	31.53	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	27.875	30.43	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	27.569	29.92	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	27.834	30.46	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	32.755	36.44	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	32.297	34.39	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	32.717	37.17	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	32.718	36.30	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	32.418	35.77	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	32.723	37.68	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	37.624	43.70	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	37.152	40.70	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	37.744	43.38	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	37.617	41.05	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	37.261	39.81	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	37.767	42.68	PASS

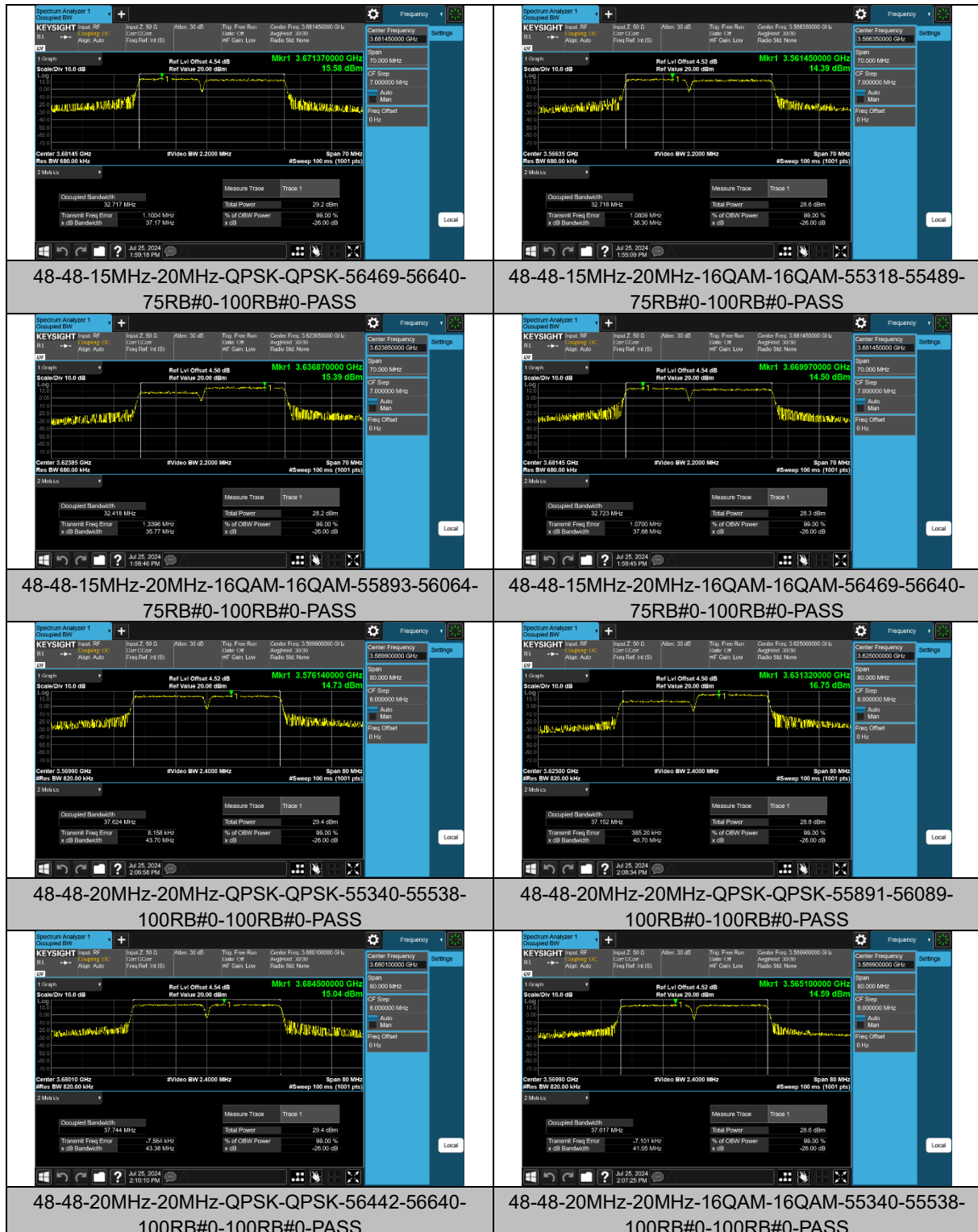
TEST GRAPHS

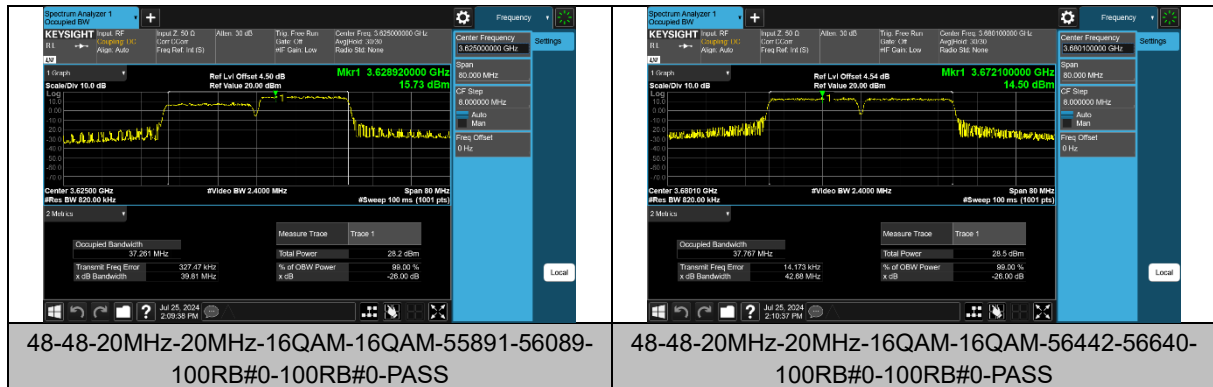










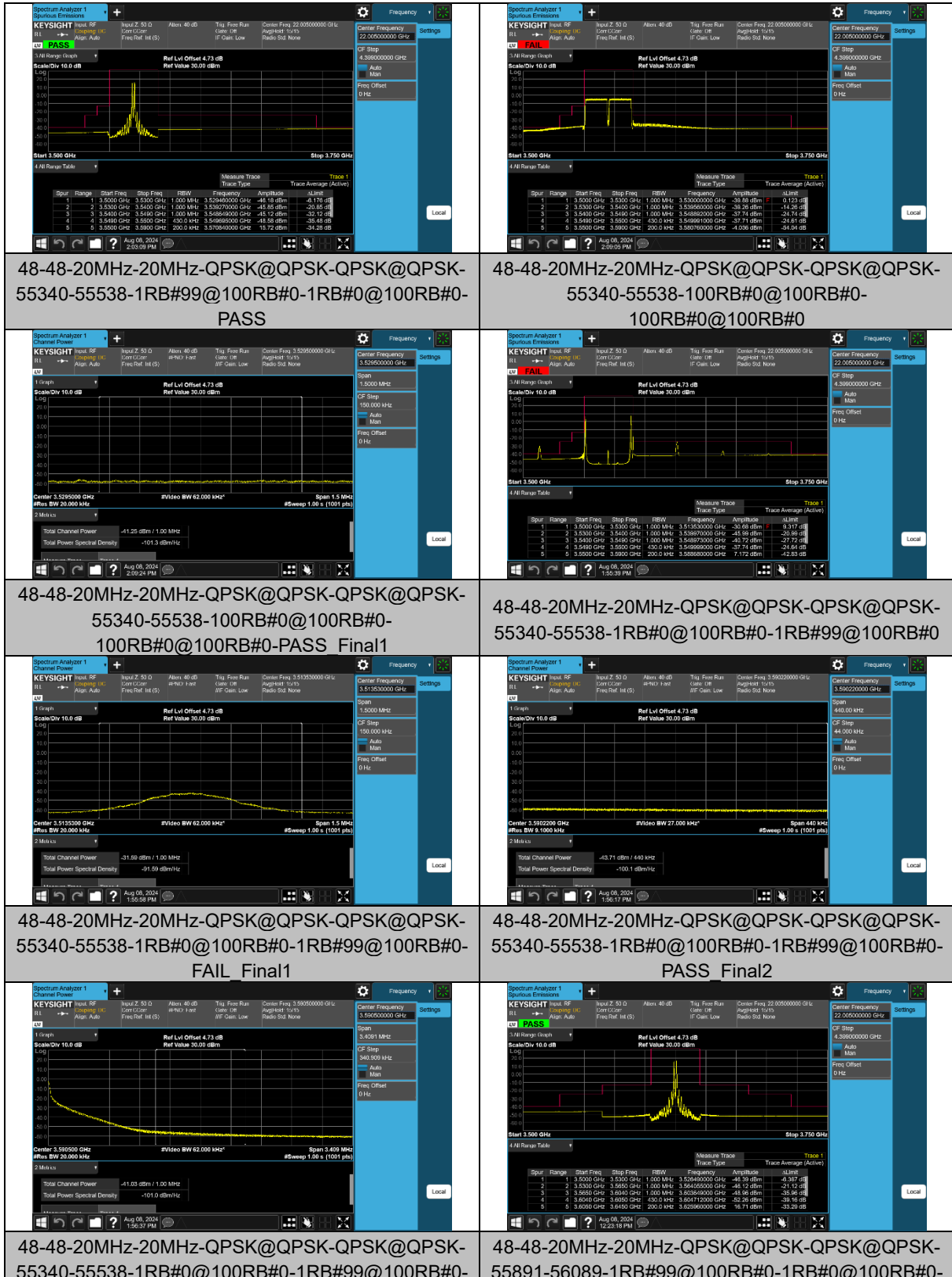


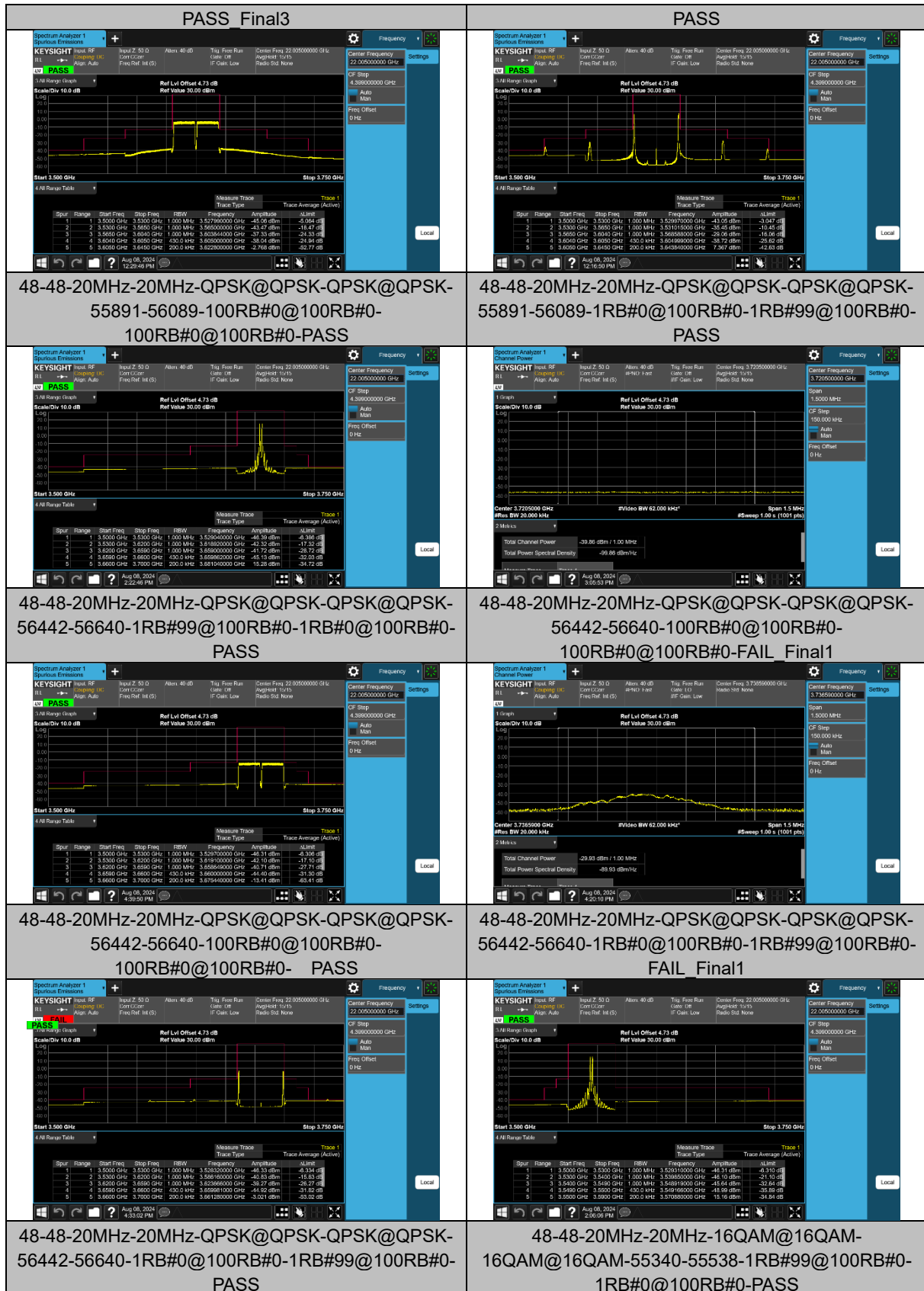
BAND EDGE TEST RESULT

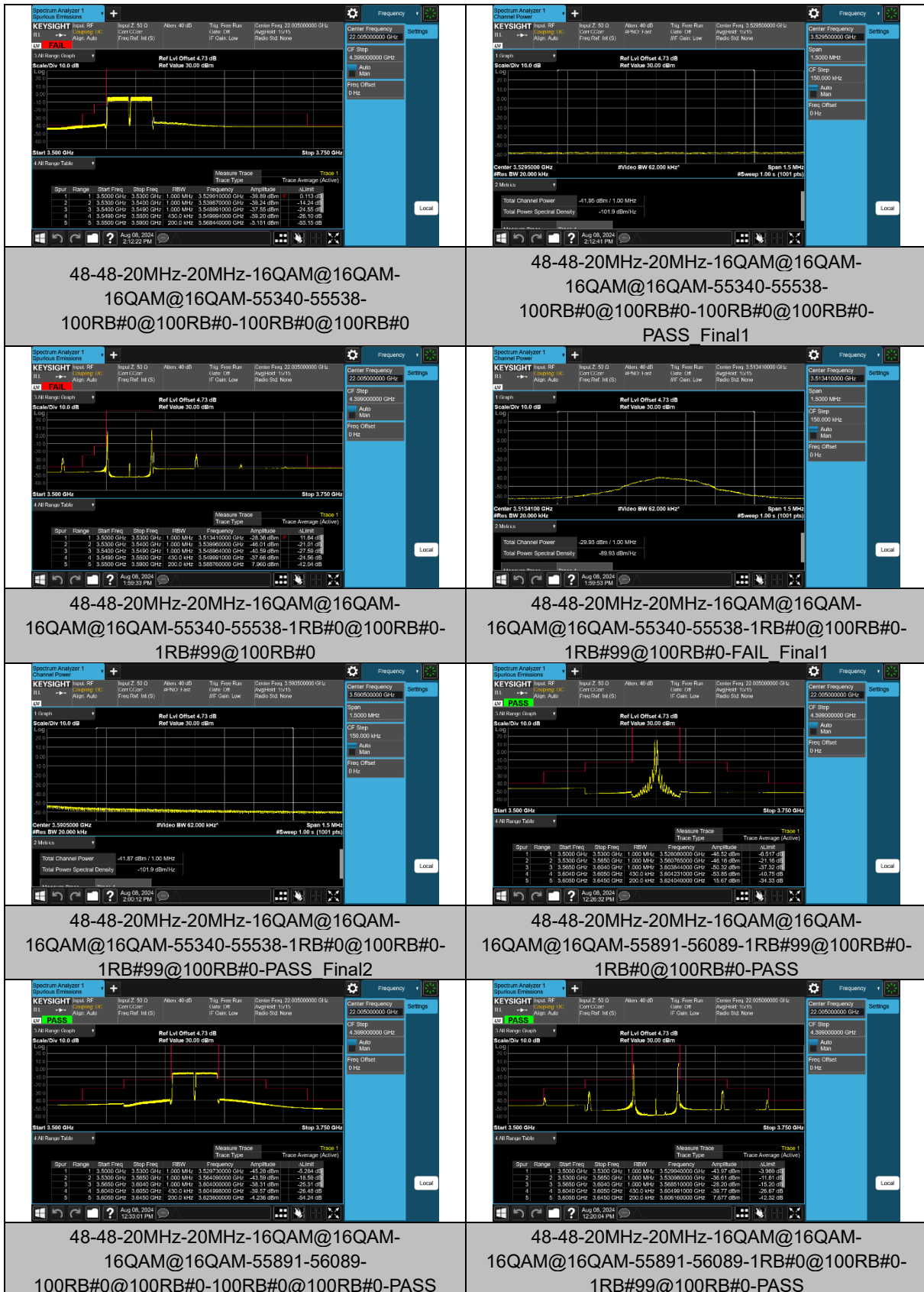
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	1RB#99@100RB#0-1RB#0@100RB#0	-41.63	PASS
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	100RB#0@100RB#0-100RB#0@100RB#0	-39.88	SeeBelow
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	100RB#0@100RB#0-100RB#0@100RB#0	-41.25	PASS_Final1
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	7.17	SeeBelow
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	-31.59	FAIL_Final1
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	-43.71	PASS_Final2
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	-41.03	PASS_Final3
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55891-56089	1RB#99@100RB#0-1RB#0@100RB#0	-46.39	PASS
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55891-56089	100RB#0@100RB#0-100RB#0@100RB#0	-45.06	PASS
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	55891-56089	1RB#0@100RB#0-1RB#99@100RB#0	-43.05	PASS
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	56442-56640	1RB#99@100RB#0-1RB#0@100RB#0	-41.74	PASS
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	56442-56640	100RB#0@100RB#0-100RB#0@100RB#0	-39.86	FAIL_Final1
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	56442-56640	100RB#0@100RB#0-100RB#0@100RB#0	-41.37	PASS
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	56442-56640	1RB#0@100RB#0-1RB#99@100RB#0	-29.93	FAIL_Final1
48-48	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	56442-56640	1RB#0@100RB#0-1RB#99@100RB#0	-41.73	PASS
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55340-55538	1RB#99@100RB#0-1RB#0@100RB#0	-41.65	PASS
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55340-55538	100RB#0@100RB#0-100RB#0@100RB#0	-39.89	SeeBelow
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55340-55538	100RB#0@100RB#0-100RB#0@100RB#0	-41.95	PASS_Final1
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	-13.11	SeeBelow
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	-29.93	FAIL_Final1
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55340-55538	1RB#0@100RB#0-1RB#99@100RB#0	-41.87	PASS_Final2
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55891-56089	1RB#99@100RB#0-1RB#0@100RB#0	-46.52	PASS
48-48	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	55891-56089	100RB#0@100RB#0-100RB#0@100RB#0	-45.28	PASS

48	20MHz	16QAM@16QAM	56089	100RB#0@100RB#0		
48-	20MHz-	16QAM@16QAM-	55891-	1RB#0@100RB#0-	-43.97	PASS
48	20MHz	16QAM@16QAM	56089	1RB#99@100RB#0		
48-	20MHz-	16QAM@16QAM-	56442-	1RB#99@100RB#0-	-46.36	PASS
48	20MHz	16QAM@16QAM	56640	1RB#0@100RB#0		
48-	20MHz-	16QAM@16QAM-	56442-	100RB#0@100RB#0-	-41.44	PASS
48	20MHz	16QAM@16QAM	56640	100RB#0@100RB#0		
48-	20MHz-	16QAM@16QAM-	56442-	1RB#0@100RB#0-	-39.74	SeeBelow
48	20MHz	16QAM@16QAM	56640	1RB#99@100RB#0		
48-	20MHz-	16QAM@16QAM-	56442-	1RB#0@100RB#0-	-40.13	PASS_Final1
48	20MHz	16QAM@16QAM	56640	1RB#99@100RB#0		

TEST GRAPHS





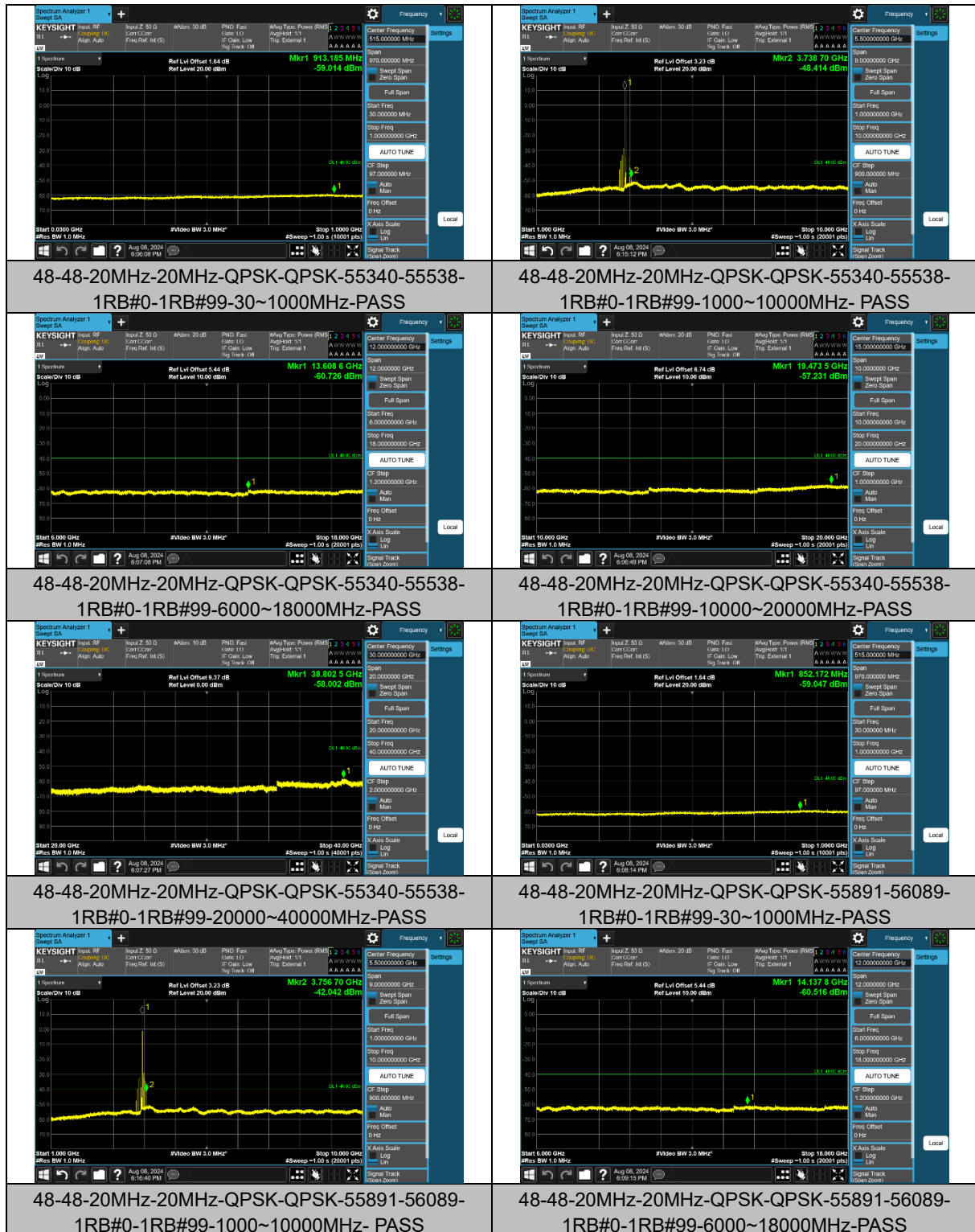


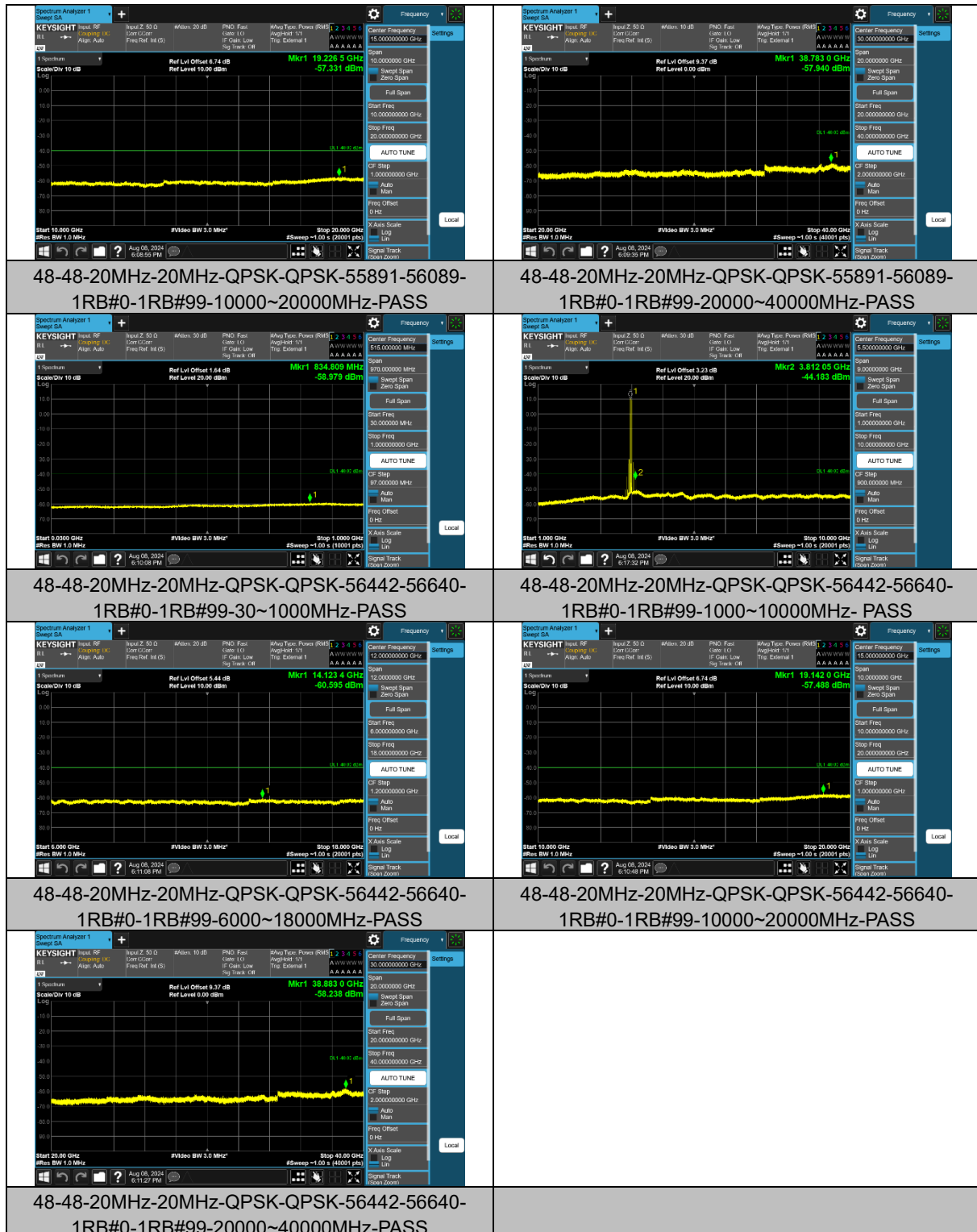


CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
48-48	20MHz- 20MHz	QPSK- QPSK	55340- 55538	1RB#0- 1RB#99	30~1000MHz	-59.01	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55340- 55538	1RB#0- 1RB#99	1000~10000MHz	-48.41	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55340- 55538	1RB#0- 1RB#99	6000~18000MHz	-60.73	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55340- 55538	1RB#0- 1RB#99	10000~20000MHz	-57.23	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55340- 55538	1RB#0- 1RB#99	20000~40000MHz	-58	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55891- 56089	1RB#0- 1RB#99	30~1000MHz	-59.05	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55891- 56089	1RB#0- 1RB#99	1000~10000MHz	-42.04	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55891- 56089	1RB#0- 1RB#99	6000~18000MHz	-60.52	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55891- 56089	1RB#0- 1RB#99	10000~20000MHz	-57.33	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	55891- 56089	1RB#0- 1RB#99	20000~40000MHz	-57.94	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	56442- 56640	1RB#0- 1RB#99	30~1000MHz	-58.98	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	56442- 56640	1RB#0- 1RB#99	1000~10000MHz	-44.18	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	56442- 56640	1RB#0- 1RB#99	6000~18000MHz	-60.6	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	56442- 56640	1RB#0- 1RB#99	10000~20000MHz	-57.49	PASS
48-48	20MHz- 20MHz	QPSK- QPSK	56442- 56640	1RB#0- 1RB#99	20000~40000MHz	-58.24	PASS

TEST GRAPHS





RADIATED EMISSION MEASUREMENT

TEST RESULTS

ABOVE 1GHz

LTE Band CA _48C

Note: For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 20MHz + 20MHz

MODE	TX channel PCC 55891	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 56089		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7.212.200	-52.30	-40.00	12.30	22.45	H	359	2.00
5	7.251.800	-49.01	-40.00	9.01	22.55	H	2.6	2.00
6	10.818.300	-62.11	-40.00	22.11	9.81	H	277.8	1.00
6	10.877.700	-59.59	-40.00	19.59	9.61	H	359	1.00

MODE	TX channel PCC 55891	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 56089		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,212.200	-49.79	-40.00	9.79	22.45	V	359.1	1.00
5	7,251.800	-50.84	-40.00	10.84	22.55	V	115.7	2.00
6	10,818.300	-60.96	-40.00	20.96	9.81	V	27.2	2.00
6	10,877.700	-63.61	-40.00	23.61	9.61	V	263.5	1.00

--END--