



7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0-3000~26500MHz



7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-100RB#0-100RB#0-30~1000MHz



7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-100RB#0-100RB#0-3000~26500MHz



7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0-30~1000MHz



7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0-3000~26500MHz



7-7-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0-30~1000MHz



7-7-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0-3000~26500MHz



7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0-30~1000MHz



7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0-3000~26500MHz



7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0-30~1000MHz



7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0-3000~26500MHz



7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0-30~1000MHz



7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0-1000~3000MHz



7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0-3000~26500MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	VL	NT	47.92	0.019126	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	VH	NT	55.72	0.022239	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	VN	NT	46.75	0.018659	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	VH	NT	71.50	0.028310	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	VN	NT	71.91	0.028472	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	VL	NT	72.61	0.028750	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	VH	NT	61.74	0.024254	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	VL	NT	60.48	0.023759	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	VN	NT	53.77	0.021123	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	VN	NT	70.95	0.028318	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	VL	NT	70.32	0.028066	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	VH	NT	67.83	0.027072	±2.5	PASS

		M	9							
7-7	10MHz-20MHz	16QAM -16QA M	21006 -2115 0	50RB#0-100RB#0	VH	NT	64.99	0.025732	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QA M	21006 -2115 0	50RB#0-100RB#0	VN	NT	67.01	0.026532	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QA M	21006 -2115 0	50RB#0-100RB#0	VL	NT	64.53	0.025550	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QA M	21206 -2135 0	50RB#0-100RB#0	VH	NT	64.42	0.025306	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QA M	21206 -2135 0	50RB#0-100RB#0	VN	NT	67.46	0.026501	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QA M	21206 -2135 0	50RB#0-100RB#0	VL	NT	62.99	0.024745	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	20805 -2094 9	50RB#0-100RB#0	VH	NT	62.74	0.025041	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	20805 -2094 9	50RB#0-100RB#0	VL	NT	62.40	0.024905	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	20805 -2094 9	50RB#0-100RB#0	VN	NT	65.56	0.026166	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	VN	NT	76.93	0.030460	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	VL	NT	70.57	0.027942	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	VH	NT	62.51	0.024751	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21206 -2135 0	50RB#0-100RB#0	VH	NT	61.48	0.024151	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21206 -2135 0	50RB#0-100RB#0	VN	NT	69.14	0.027161	±2.5	PASS

7-7	10MHz-20MHz	64QAM -64QAM	21206 -21350	50RB#0-100RB#0	VL	NT	61.08	0.023994	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825 -20945	75RB#0-50RB#0	VN	NT	38.29	0.015270	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825 -20945	75RB#0-50RB#0	VL	NT	31.13	0.012415	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825 -20945	75RB#0-50RB#0	VH	NT	32.30	0.012881	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051 -21171	75RB#0-50RB#0	VN	NT	29.03	0.011474	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051 -21171	75RB#0-50RB#0	VL	NT	35.15	0.013893	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051 -21171	75RB#0-50RB#0	VH	NT	33.99	0.013434	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277 -21397	75RB#0-50RB#0	VH	NT	47.39	0.018565	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277 -21397	75RB#0-50RB#0	VL	NT	42.36	0.016594	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21277 -21397	75RB#0-50RB#0	VN	NT	40.64	0.015920	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	20825 -20945	75RB#0-50RB#0	VL	NT	40.44	0.016128	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	20825 -20945	75RB#0-50RB#0	VN	NT	36.38	0.014508	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	20825 -20945	75RB#0-50RB#0	VH	NT	31.86	0.012706	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	21051 -21171	75RB#0-50RB#0	VN	NT	40.67	0.016074	±2.5	PASS
7-7	15MHz-	16QAM	21051	75RB#0-	VL	NT	34.99	0.013829	±2.5	PASS

	10MHz	-16QAM	-2117	50RB#0						
		M	1							
7-7	15MHz-10MHz	16QAM -16QAM	21051 -2117 1	75RB#0-50RB#0	VH	NT	39.95	0.015790	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	21277 -2139 7	75RB#0-50RB#0	VN	NT	51.05	0.019998	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	21277 -2139 7	75RB#0-50RB#0	VH	NT	44.17	0.017303	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QAM	21277 -2139 7	75RB#0-50RB#0	VL	NT	47.76	0.018710	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	20825 -2094 5	75RB#0-50RB#0	VH	NT	27.81	0.011091	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	20825 -2094 5	75RB#0-50RB#0	VL	NT	18.38	0.007330	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	20825 -2094 5	75RB#0-50RB#0	VN	NT	25.79	0.010285	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	21051 -2117 1	75RB#0-50RB#0	VN	NT	34.63	0.013687	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	21051 -2117 1	75RB#0-50RB#0	VL	NT	28.60	0.011304	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	21051 -2117 1	75RB#0-50RB#0	VH	NT	26.45	0.010454	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	21277 -2139 7	75RB#0-50RB#0	VN	NT	37.79	0.014804	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	21277 -2139 7	75RB#0-50RB#0	VL	NT	45.65	0.017883	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QAM	21277 -2139 7	75RB#0-50RB#0	VH	NT	34.55	0.013535	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	20825 -2097	75RB#0-75RB#0	VN	NT	61.03	0.024339	±2.5	PASS

			5							
7-7	15MHz- 15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	VL	NT	60.00	0.023928	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	VH	NT	57.26	0.022835	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	21025 -2117 5	75RB#0- 75RB#0	VH	NT	58.65	0.023205	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	21025 -2117 5	75RB#0- 75RB#0	VL	NT	62.14	0.024586	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	21025 -2117 5	75RB#0- 75RB#0	VN	NT	59.25	0.023442	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	21225 -2137 5	75RB#0- 75RB#0	VH	NT	30.68	0.012043	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	21225 -2137 5	75RB#0- 75RB#0	VL	NT	26.88	0.010552	±2.5	PASS
7-7	15MHz- 15MHz	QPSK- QPSK	21225 -2137 5	75RB#0- 75RB#0	VN	NT	32.11	0.012605	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	20825 -2097 5	75RB#0- 75RB#0	VN	NT	61.48	0.024518	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	20825 -2097 5	75RB#0- 75RB#0	VL	NT	58.85	0.023470	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	20825 -2097 5	75RB#0- 75RB#0	VH	NT	56.41	0.022497	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21025 -2117 5	75RB#0- 75RB#0	VH	NT	46.43	0.018370	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21025 -2117 5	75RB#0- 75RB#0	VL	NT	54.85	0.021701	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21025 -2117 5	75RB#0- 75RB#0	VN	NT	47.79	0.018908	±2.5	PASS

7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	VL	NT	47.91	0.018807	±2.5	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	VH	NT	44.53	0.017480	±2.5	PASS
7-7	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	VN	NT	48.05	0.018862	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	VH	NT	55.45	0.022114	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	VL	NT	58.87	0.023478	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	20825-20975	75RB#0-75RB#0	VN	NT	58.58	0.023362	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	VH	NT	48.19	0.019066	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	VL	NT	57.96	0.022932	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21025-21175	75RB#0-75RB#0	VN	NT	58.87	0.023292	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	VL	NT	50.04	0.019643	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	VH	NT	48.15	0.018901	±2.5	PASS
7-7	15MHz-15MHz	64QAM-64QAM	21225-21375	75RB#0-75RB#0	VN	NT	46.42	0.018222	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	VN	NT	39.37	0.015699	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	VL	NT	42.33	0.016879	±2.5	PASS
7-7	15MHz-	QPSK-	20828	75RB#0-	VH	NT	45.33	0.018076	±2.5	PASS

	20MHz	QPSK	-2099 9	100RB#0						
7-7	15MHz- 20MHz	QPSK- QPSK	21003 -2117 4	75RB#0- 100RB#0	VL	NT	73.97	0.029292	±2.5	PASS
7-7	15MHz- 20MHz	QPSK- QPSK	21003 -2117 4	75RB#0- 100RB#0	VN	NT	67.42	0.026698	±2.5	PASS
7-7	15MHz- 20MHz	QPSK- QPSK	21003 -2117 4	75RB#0- 100RB#0	VH	NT	73.59	0.029141	±2.5	PASS
7-7	15MHz- 20MHz	QPSK- QPSK	21179 -2135 0	75RB#0- 100RB#0	VL	NT	43.44	0.017083	±2.5	PASS
7-7	15MHz- 20MHz	QPSK- QPSK	21179 -2135 0	75RB#0- 100RB#0	VN	NT	43.32	0.017036	±2.5	PASS
7-7	15MHz- 20MHz	QPSK- QPSK	21179 -2135 0	75RB#0- 100RB#0	VH	NT	50.75	0.019958	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	20828 -2099 9	75RB#0- 100RB#0	VH	NT	62.11	0.024767	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	20828 -2099 9	75RB#0- 100RB#0	VN	NT	57.94	0.023104	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	20828 -2099 9	75RB#0- 100RB#0	VL	NT	56.20	0.022410	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	21003 -2117 4	75RB#0- 100RB#0	VL	NT	69.77	0.027628	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	21003 -2117 4	75RB#0- 100RB#0	VH	NT	72.91	0.028872	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	21003 -2117 4	75RB#0- 100RB#0	VN	NT	74.54	0.029517	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA M	21179 -2135 0	75RB#0- 100RB#0	VL	NT	62.48	0.024570	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QA	21179 -2135	75RB#0- 100RB#0	VH	NT	64.64	0.025420	±2.5	PASS

		M	0							
7-7	15MHz- 20MHz	16QAM -16QA M	21179 -2135 0	75RB#0- 100RB#0	VN	NT	65.17	0.025628	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QA M	20828 -2099 9	75RB#0- 100RB#0	VH	NT	64.03	0.025532	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QA M	20828 -2099 9	75RB#0- 100RB#0	VL	NT	59.81	0.023850	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QA M	20828 -2099 9	75RB#0- 100RB#0	VN	NT	67.46	0.026900	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QA M	21179 -2135 0	75RB#0- 100RB#0	VH	NT	62.64	0.024633	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QA M	21179 -2135 0	75RB#0- 100RB#0	VN	NT	66.83	0.026281	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QA M	21179 -2135 0	75RB#0- 100RB#0	VL	NT	59.68	0.023469	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	20850 -2099 4	100RB#0 -50RB#0	VN	NT	27.24	0.010853	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	20850 -2099 4	100RB#0 -50RB#0	VL	NT	33.02	0.013155	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	20850 -2099 4	100RB#0 -50RB#0	VH	NT	32.66	0.013012	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	21051 -2119 5	100RB#0 -50RB#0	VL	NT	32.29	0.012762	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	21051 -2119 5	100RB#0 -50RB#0	VN	NT	35.06	0.013857	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	21051 -2119 5	100RB#0 -50RB#0	VH	NT	42.83	0.016928	±2.5	PASS
7-7	20MHz- 10MHz	QPSK- QPSK	21251 -2139 5	100RB#0 -50RB#0	VH	NT	41.16	0.016141	±2.5	PASS

7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	VL	NT	39.84	0.015623	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	VN	NT	37.74	0.014799	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	VN	NT	41.71	0.016618	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	VH	NT	42.54	0.016948	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	VL	NT	41.77	0.016641	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	VN	NT	40.11	0.015853	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	VL	NT	40.23	0.015901	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	VH	NT	48.11	0.019015	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	VH	NT	29.71	0.011651	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	VN	NT	39.55	0.015509	±2.5	PASS
7-7	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	VL	NT	32.26	0.012650	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	VN	NT	33.66	0.013410	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	VL	NT	35.06	0.013968	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	VH	NT	37.97	0.015127	±2.5	PASS
7-7	20MHz-10MHz	64QAM	21051	100RB#0	VL	NT	38.45	0.015197	±2.5	PASS

	10MHz	-64QAM M	-2119 5	-50RB#0						
7-7	20MHz- 10MHz	64QAM -64QAM M	21051 -2119 5	100RB#0 -50RB#0	VN	NT	41.99	0.016596	±2.5	PASS
7-7	20MHz- 10MHz	64QAM -64QAM M	21051 -2119 5	100RB#0 -50RB#0	VH	NT	43.37	0.017142	±2.5	PASS
7-7	20MHz- 10MHz	64QAM -64QAM M	21251 -2139 5	100RB#0 -50RB#0	VH	NT	39.21	0.015376	±2.5	PASS
7-7	20MHz- 10MHz	64QAM -64QAM M	21251 -2139 5	100RB#0 -50RB#0	VN	NT	33.06	0.012964	±2.5	PASS
7-7	20MHz- 10MHz	64QAM -64QAM M	21251 -2139 5	100RB#0 -50RB#0	VL	NT	29.48	0.011560	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	VH	NT	41.71	0.016618	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	VN	NT	38.92	0.015506	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	VL	NT	38.87	0.015486	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	21026 -2119 7	100RB#0 -75RB#0	VN	NT	51.54	0.020391	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	21026 -2119 7	100RB#0 -75RB#0	VH	NT	46.28	0.018310	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	21026 -2119 7	100RB#0 -75RB#0	VL	NT	51.91	0.020537	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	21201 -2137 2	100RB#0 -75RB#0	VL	NT	51.37	0.020184	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	21201 -2137 2	100RB#0 -75RB#0	VH	NT	55.50	0.021807	±2.5	PASS
7-7	20MHz- 15MHz	QPSK- QPSK	21201 -2137	100RB#0 -75RB#0	VN	NT	53.94	0.021194	±2.5	PASS

			2							
7-7	20MHz-15MHz	16QAM -16QAM	20850 -2102 1	100RB#0 -75RB#0	VN	NT	50.73	0.020211	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	20850 -2102 1	100RB#0 -75RB#0	VH	NT	53.60	0.021355	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	20850 -2102 1	100RB#0 -75RB#0	VL	NT	45.23	0.018020	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	21026 -2119 7	100RB#0 -75RB#0	VN	NT	43.07	0.017040	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	21026 -2119 7	100RB#0 -75RB#0	VL	NT	36.66	0.014504	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	21026 -2119 7	100RB#0 -75RB#0	VH	NT	44.63	0.017657	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	VL	NT	44.75	0.017583	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	VH	NT	45.55	0.017897	±2.5	PASS
7-7	20MHz-15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	VN	NT	53.77	0.021127	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	VL	NT	53.06	0.021139	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	VH	NT	44.65	0.017789	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	VN	NT	44.86	0.017873	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	21026 -2119 7	100RB#0 -75RB#0	VH	NT	39.60	0.015667	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	21026 -2119 7	100RB#0 -75RB#0	VL	NT	47.18	0.018666	±2.5	PASS

7-7	20MHz-15MHz	64QAM -64QAM	21026 -2119 7	100RB#0 -75RB#0	VN	NT	50.54	0.019995	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	21201 -2137 2	100RB#0 -75RB#0	VH	NT	46.59	0.018306	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	21201 -2137 2	100RB#0 -75RB#0	VL	NT	56.98	0.022388	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QAM	21201 -2137 2	100RB#0 -75RB#0	VN	NT	43.64	0.017147	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	20850 -2104 8	100RB#0 -100RB# 0	VH	NT	43.77	0.017438	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	20850 -2104 8	100RB#0 -100RB# 0	VN	NT	41.63	0.016586	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	20850 -2104 8	100RB#0 -100RB# 0	VL	NT	45.42	0.018096	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	VN	NT	69.14	0.027381	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	VH	NT	69.65	0.027583	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	VL	NT	74.99	0.029698	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	VL	NT	54.40	0.021416	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	VN	NT	53.17	0.020931	±2.5	PASS
7-7	20MHz-20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	VH	NT	54.03	0.021270	±2.5	PASS
7-7	20MHz-20MHz	16QAM -16QAM	20850 -2104 8	100RB#0 -100RB# 0	VL	NT	58.54	0.023323	±2.5	PASS
7-7	20MHz-	16QAM	20850	100RB#0	VH	NT	62.79	0.025016	±2.5	PASS

	20MHz	-16QA M	-2104 8	-100RB# 0						
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	VN	NT	59.90	0.023865	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	VN	NT	60.10	0.023801	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	VL	NT	58.32	0.023096	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	VH	NT	69.85	0.027662	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	VN	NT	71.65	0.028206	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	VL	NT	64.74	0.025486	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	VH	NT	71.87	0.028293	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	VH	NT	61.71	0.024586	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	VL	NT	63.50	0.025299	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	VN	NT	67.91	0.027056	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	VN	NT	63.53	0.025159	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	VL	NT	72.05	0.028534	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	VH	NT	68.34	0.027064	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA	21152 -2135	100RB#0 -100RB#	VH	NT	66.05	0.026002	±2.5	PASS

		M	0	0						
7-7	20MHz-20MHz	64QAM -64QAM	21152 -21350	100RB#0 -100RB#0	VN	NT	71.58	0.028179	±2.5	PASS
7-7	20MHz-20MHz	64QAM -64QAM	21152 -21350	100RB#0 -100RB#0	VL	NT	78.79	0.031017	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	-30	65.03	0.025955	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	-20	65.22	0.026031	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	-10	68.75	0.027440	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	0	67.66	0.027005	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	10	66.68	0.026613	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	20	63.49	0.025340	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	30	73.39	0.029292	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	NV	-50	61.57	0.024574	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	30	74.89	0.029652	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	NV	-50	60.87	0.024101	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006-2115	50RB#0-100RB#0	NV	-30	71.87	0.028457	±2.5	PASS

			0							
7-7	10MHz-20MHz	QPSK-QPSK	21006 -2115 0	50RB#0-100RB#0	NV	-20	62.64	0.024802	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006 -2115 0	50RB#0-100RB#0	NV	-10	73.83	0.029233	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006 -2115 0	50RB#0-100RB#0	NV	0	74.03	0.029312	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006 -2115 0	50RB#0-100RB#0	NV	20	74.93	0.029668	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21006 -2115 0	50RB#0-100RB#0	NV	10	62.53	0.024758	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	-10	61.81	0.024281	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	30	60.77	0.023873	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	-50	65.75	0.025829	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	-30	63.96	0.025126	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	-20	66.06	0.025951	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	0	58.45	0.022961	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	20	68.64	0.026964	±2.5	PASS
7-7	10MHz-20MHz	QPSK-QPSK	21206 -2135 0	50RB#0-100RB#0	NV	10	67.99	0.026709	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805 -2094 9	50RB#0-100RB#0	NV	30	66.93	0.026713	±2.5	PASS

7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	20	67.72	0.027029	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	10	72.26	0.028841	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	0	73.57	0.029363	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	-10	60.77	0.024255	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	-20	67.45	0.026921	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	-30	57.61	0.022993	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	NV	-50	66.58	0.026574	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	10	74.09	0.029336	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	-30	75.24	0.029791	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	30	72.40	0.028666	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	20	73.10	0.028944	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	-10	77.20	0.030567	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	-20	66.09	0.026168	±2.5	PASS
7-7	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	NV	-50	66.08	0.026164	±2.5	PASS
7-7	10MHz-	16QAM	21006	50RB#0-	NV	0	68.26	0.027027	±2.5	PASS

	20MHz	-16QAM	-2115	100RB#0						
		M	0							
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	-10	58.92	0.023146	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	-50	67.49	0.026512	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	-20	60.70	0.023845	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	0	71.24	0.027986	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	10	68.75	0.027007	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	20	54.97	0.021594	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	30	58.67	0.023048	±2.5	PASS
7-7	10MHz-20MHz	16QAM -16QAM	21206 -21350	50RB#0-100RB#0	NV	-30	68.15	0.026772	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QAM	20805 -20949	50RB#0-100RB#0	NV	10	57.16	0.022814	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QAM	20805 -20949	50RB#0-100RB#0	NV	-30	72.21	0.028821	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QAM	20805 -20949	50RB#0-100RB#0	NV	-20	63.59	0.025380	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QAM	20805 -20949	50RB#0-100RB#0	NV	-50	62.99	0.025141	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QAM	20805 -20949	50RB#0-100RB#0	NV	20	57.23	0.022842	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QAM	20805 -20949	50RB#0-100RB#0	NV	30	70.10	0.027978	±2.5	PASS

		M	9							
7-7	10MHz-20MHz	64QAM -64QA M	20805 -2094 9	50RB#0-100RB#0	NV	-10	58.32	0.023277	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	20805 -2094 9	50RB#0-100RB#0	NV	0	72.30	0.028857	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	-10	67.03	0.026540	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	-50	74.94	0.029672	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	-20	69.32	0.027447	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	0	66.40	0.026291	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	10	65.69	0.026010	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	20	60.15	0.023816	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	30	79.79	0.031592	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21006 -2115 0	50RB#0-100RB#0	NV	-30	70.88	0.028065	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21206 -2135 0	50RB#0-100RB#0	NV	0	54.99	0.021602	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21206 -2135 0	50RB#0-100RB#0	NV	30	60.28	0.023680	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21206 -2135 0	50RB#0-100RB#0	NV	20	62.41	0.024517	±2.5	PASS
7-7	10MHz-20MHz	64QAM -64QA M	21206 -2135 0	50RB#0-100RB#0	NV	10	70.51	0.027699	±2.5	PASS

7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	NV	-20	67.26	0.026422	±2.5	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	NV	-10	60.00	0.023570	±2.5	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	NV	-50	52.53	0.020636	±2.5	PASS
7-7	10MHz-20MHz	64QAM-64QAM	21206-21350	50RB#0-100RB#0	NV	-30	56.69	0.022270	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	0	33.04	0.013176	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	30	29.83	0.011896	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	10	32.60	0.013001	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	-10	28.08	0.011198	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	-20	33.32	0.013288	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	-30	29.00	0.011565	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	-50	29.55	0.011785	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	NV	20	31.94	0.012738	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	-30	38.50	0.015217	±2.5	PASS
7-7	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	NV	-50	37.05	0.014644	±2.5	PASS
7-7	15MHz-	QPSK-	21051	75RB#0-	NV	20	40.28	0.015920	±2.5	PASS

	10MHz	QPSK	-2117 1	50RB#0						
7-7	15MHz- 10MHz	QPSK- QPSK	21051 -2117 1	75RB#0- 50RB#0	NV	10	41.27	0.016312	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21051 -2117 1	75RB#0- 50RB#0	NV	0	39.00	0.015414	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21051 -2117 1	75RB#0- 50RB#0	NV	-20	35.08	0.013865	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21051 -2117 1	75RB#0- 50RB#0	NV	30	40.03	0.015822	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21051 -2117 1	75RB#0- 50RB#0	NV	-10	42.09	0.016636	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	30	44.76	0.017534	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	20	40.24	0.015764	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	10	39.81	0.015595	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	0	46.01	0.018024	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	-10	51.77	0.020280	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	-20	43.73	0.017131	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	-30	45.88	0.017973	±2.5	PASS
7-7	15MHz- 10MHz	QPSK- QPSK	21277 -2139 7	75RB#0- 50RB#0	NV	-50	49.64	0.019446	±2.5	PASS
7-7	15MHz- 10MHz	16QAM -16QA	20825 -2094	75RB#0- 50RB#0	NV	20	32.44	0.012937	±2.5	PASS

		M	5							
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	-50	28.31	0.011290	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	-30	24.29	0.009687	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	-20	38.19	0.015230	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	-10	29.31	0.011689	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	30	28.75	0.011466	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	10	36.76	0.014660	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	20825 -2094 5	75RB#0-50RB#0	NV	0	20.38	0.008128	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	30	32.09	0.012683	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	20	38.38	0.015169	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	-10	30.27	0.011964	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	0	34.68	0.013707	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	-30	40.78	0.016118	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	-50	37.15	0.014683	±2.5	PASS
7-7	15MHz-10MHz	16QAM -16QA M	21051 -2117 1	75RB#0-50RB#0	NV	10	41.93	0.016572	±2.5	PASS

7-7	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	NV	-20	37.22	0.014711	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	-10	46.95	0.018392	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	-20	38.32	0.015012	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	0	50.28	0.019697	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	10	47.34	0.018545	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	20	35.61	0.013950	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	30	46.89	0.018369	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	-50	48.15	0.018862	±2.5	PASS
7-7	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	NV	-30	52.24	0.020465	±2.5	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	NV	30	29.64	0.011821	±2.5	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	NV	20	29.37	0.011713	±2.5	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	NV	10	16.78	0.006692	±2.5	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	NV	0	25.48	0.010162	±2.5	PASS
7-7	15MHz-10MHz	64QAM-64QAM	20825-20945	75RB#0-50RB#0	NV	-10	18.37	0.007326	±2.5	PASS
7-7	15MHz-	64QAM	20825	75RB#0-	NV	-20	27.69	0.011043	±2.5	PASS

	10MHz	-64QA M	-2094 5	50RB#0						
7-7	15MHz- 10MHz	64QAM -64QA M	20825 -2094 5	75RB#0- 50RB#0	NV	-30	20.26	0.008080	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	20825 -2094 5	75RB#0- 50RB#0	NV	-50	32.36	0.012905	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	-20	24.63	0.009735	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	20	26.25	0.010375	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	10	34.82	0.013762	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	-50	27.22	0.010758	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	-10	35.72	0.014118	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	30	36.48	0.014418	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	-30	34.70	0.013715	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21051 -2117 1	75RB#0- 50RB#0	NV	0	21.92	0.008664	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	-30	35.15	0.013770	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	30	39.04	0.015294	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	20	45.15	0.017687	±2.5	PASS
7-7	15MHz- 10MHz	64QAM -64QA	21277 -2139	75RB#0- 50RB#0	NV	10	44.70	0.017511	±2.5	PASS

		M	7							
7-7	15MHz-10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	0	37.61	0.014733	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	-20	46.81	0.018337	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	-50	42.69	0.016723	±2.5	PASS
7-7	15MHz-10MHz	64QAM -64QA M	21277 -2139 7	75RB#0- 50RB#0	NV	-10	40.63	0.015916	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	10	65.26	0.026026	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	0	62.57	0.024953	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	30	64.73	0.025815	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	-20	60.22	0.024016	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	20	67.16	0.026784	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	-30	55.50	0.022134	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	-50	57.79	0.023047	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	20825 -2097 5	75RB#0- 75RB#0	NV	-10	67.33	0.026851	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	21025 -2117 5	75RB#0- 75RB#0	NV	0	61.45	0.024313	±2.5	PASS
7-7	15MHz-15MHz	QPSK- QPSK	21025 -2117 5	75RB#0- 75RB#0	NV	-30	63.34	0.025060	±2.5	PASS

7-7	15MHz-15MHz	QPSK-QPSK	21025 -2117 5	75RB#0-75RB#0	NV	-10	47.19	0.018671	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025 -2117 5	75RB#0-75RB#0	NV	10	50.90	0.020138	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025 -2117 5	75RB#0-75RB#0	NV	20	51.63	0.020427	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025 -2117 5	75RB#0-75RB#0	NV	30	53.93	0.021337	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025 -2117 5	75RB#0-75RB#0	NV	-50	57.42	0.022718	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21025 -2117 5	75RB#0-75RB#0	NV	-20	53.52	0.021175	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	30	44.95	0.017645	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	20	49.74	0.019525	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	10	41.80	0.016408	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	0	47.61	0.018689	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	-10	43.89	0.017229	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	-20	44.10	0.017311	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	-30	35.33	0.013868	±2.5	PASS
7-7	15MHz-15MHz	QPSK-QPSK	21225 -2137 5	75RB#0-75RB#0	NV	-50	38.71	0.015195	±2.5	PASS
7-7	15MHz-	16QAM	20825	75RB#0-	NV	-30	60.58	0.024160	±2.5	PASS

	15MHz	-16QAM M	-2097 5	75RB#0						
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	30	54.14	0.021591	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	20	66.40	0.026481	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	10	64.85	0.025862	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	0	63.51	0.025328	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	-20	56.78	0.022644	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	-50	63.43	0.025296	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	20825 -2097 5	75RB#0- 75RB#0	NV	-10	65.55	0.026142	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	21025 -2117 5	75RB#0- 75RB#0	NV	30	46.29	0.018315	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	21025 -2117 5	75RB#0- 75RB#0	NV	-10	43.32	0.017139	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	21025 -2117 5	75RB#0- 75RB#0	NV	20	53.30	0.021088	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	21025 -2117 5	75RB#0- 75RB#0	NV	0	57.69	0.022825	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	21025 -2117 5	75RB#0- 75RB#0	NV	-30	52.86	0.020914	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM M	21025 -2117 5	75RB#0- 75RB#0	NV	-50	59.57	0.023569	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QAM	21025 -2117	75RB#0- 75RB#0	NV	10	56.81	0.022477	±2.5	PASS

		M	5							
7-7	15MHz- 15MHz	16QAM -16QA M	21025 -2117 5	75RB#0- 75RB#0	NV	-20	47.31	0.018718	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	0	52.57	0.020636	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	30	44.20	0.017350	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	10	49.42	0.019399	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	-10	49.40	0.019392	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	-20	44.90	0.017625	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	-30	55.19	0.021664	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	-50	49.77	0.019537	±2.5	PASS
7-7	15MHz- 15MHz	16QAM -16QA M	21225 -2137 5	75RB#0- 75RB#0	NV	20	47.19	0.018524	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	20	54.82	0.021862	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	10	65.62	0.026169	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	0	64.12	0.025571	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	-10	64.44	0.025699	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	-20	69.09	0.027553	±2.5	PASS

7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	-30	67.13	0.026772	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	-50	55.66	0.022197	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	20825 -2097 5	75RB#0- 75RB#0	NV	30	61.48	0.024518	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	20	58.09	0.022983	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	30	51.60	0.020415	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	-50	54.00	0.021365	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	-30	45.55	0.018022	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	-20	52.04	0.020590	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	-10	59.81	0.023664	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	10	48.38	0.019141	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21025 -2117 5	75RB#0- 75RB#0	NV	0	54.00	0.021365	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21225 -2137 5	75RB#0- 75RB#0	NV	-20	51.07	0.020047	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21225 -2137 5	75RB#0- 75RB#0	NV	20	42.47	0.016671	±2.5	PASS
7-7	15MHz- 15MHz	64QAM -64QA M	21225 -2137 5	75RB#0- 75RB#0	NV	10	52.23	0.020502	±2.5	PASS
7-7	15MHz-	64QAM	21225	75RB#0-	NV	30	55.46	0.021770	±2.5	PASS

	15MHz	-64QAM	-2137	75RB#0						
		M	5							
7-7	15MHz-15MHz	64QAM -64QAM	21225 -2137 5	75RB#0- 75RB#0	NV	-30	48.39	0.018995	±2.5	PASS
7-7	15MHz-15MHz	64QAM -64QAM	21225 -2137 5	75RB#0- 75RB#0	NV	-50	46.18	0.018128	±2.5	PASS
7-7	15MHz-15MHz	64QAM -64QAM	21225 -2137 5	75RB#0- 75RB#0	NV	0	50.77	0.019929	±2.5	PASS
7-7	15MHz-15MHz	64QAM -64QAM	21225 -2137 5	75RB#0- 75RB#0	NV	-10	46.22	0.018143	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	0	59.32	0.023654	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	30	55.42	0.022099	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	10	59.97	0.023913	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	-10	55.22	0.022019	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	-20	54.14	0.021589	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	-30	52.63	0.020987	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	-50	51.88	0.020687	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	20828 -2099 9	75RB#0- 100RB#0	NV	20	61.11	0.024368	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	21003 -2117 4	75RB#0- 100RB#0	NV	10	77.58	0.030721	±2.5	PASS
7-7	15MHz-20MHz	QPSK- QPSK	21003 -2117	75RB#0- 100RB#0	NV	-50	77.85	0.030828	±2.5	PASS

			4							
7-7	15MHz-20MHz	QPSK-QPSK	21003 -2117 4	75RB#0-100RB#0	NV	-30	79.08	0.031315	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003 -2117 4	75RB#0-100RB#0	NV	-20	78.94	0.031260	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003 -2117 4	75RB#0-100RB#0	NV	30	68.74	0.027221	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003 -2117 4	75RB#0-100RB#0	NV	0	74.96	0.029684	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003 -2117 4	75RB#0-100RB#0	NV	20	76.30	0.030214	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21003 -2117 4	75RB#0-100RB#0	NV	-10	74.44	0.029478	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	-30	54.25	0.021334	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	-50	54.56	0.021456	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	-20	57.01	0.022419	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	-10	58.92	0.023170	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	0	60.57	0.023819	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	10	66.72	0.026238	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	20	64.27	0.025274	±2.5	PASS
7-7	15MHz-20MHz	QPSK-QPSK	21179 -2135 0	75RB#0-100RB#0	NV	30	68.96	0.027119	±2.5	PASS

7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	20	65.72	0.026206	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	30	56.58	0.022562	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	-30	56.56	0.022554	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	-20	59.80	0.023846	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	-10	59.17	0.023594	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	10	60.83	0.024256	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	-50	59.91	0.023889	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	NV	0	62.18	0.024795	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	NV	-50	71.18	0.028187	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	NV	10	65.02	0.025569	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	NV	20	65.20	0.025640	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	NV	-30	62.56	0.024602	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	NV	-20	65.25	0.025660	±2.5	PASS
7-7	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	NV	-10	57.91	0.022773	±2.5	PASS
7-7	15MHz-20MHz	16QAM	21179	75RB#0-	NV	-50	59.44	0.023375	±2.5	PASS

	20MHz	-16QAM M	-2135 0	100RB#0						
7-7	15MHz- 20MHz	16QAM -16QAM	21179 -2135 0	75RB#0- 100RB#0	NV	30	65.30	0.025679	±2.5	PASS
7-7	15MHz- 20MHz	16QAM -16QAM	21179 -2135 0	75RB#0- 100RB#0	NV	0	67.68	0.026615	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	-30	67.31	0.026840	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	-50	62.61	0.024966	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	-20	66.03	0.026330	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	-10	68.61	0.027359	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	0	58.19	0.023204	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	10	75.26	0.030010	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	20	55.85	0.022271	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	20828 -2099 9	75RB#0- 100RB#0	NV	30	61.80	0.024643	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	21179 -2135 0	75RB#0- 100RB#0	NV	-30	63.36	0.024916	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	21179 -2135 0	75RB#0- 100RB#0	NV	30	61.96	0.024366	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	21179 -2135 0	75RB#0- 100RB#0	NV	20	61.23	0.024079	±2.5	PASS
7-7	15MHz- 20MHz	64QAM -64QAM	21179 -2135	75RB#0- 100RB#0	NV	10	66.45	0.026132	±2.5	PASS

		M	0							
7-7	15MHz-20MHz	64QAM -64QA M	21179 -2135 0	75RB#0-100RB#0	NV	-20	69.44	0.027307	±2.5	PASS
7-7	15MHz-20MHz	64QAM -64QA M	21179 -2135 0	75RB#0-100RB#0	NV	-50	58.91	0.023166	±2.5	PASS
7-7	15MHz-20MHz	64QAM -64QA M	21179 -2135 0	75RB#0-100RB#0	NV	-10	57.51	0.022616	±2.5	PASS
7-7	15MHz-20MHz	64QAM -64QA M	21179 -2135 0	75RB#0-100RB#0	NV	0	68.39	0.026894	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	0	36.55	0.014562	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	30	40.15	0.015996	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	10	33.43	0.013319	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	-10	33.82	0.013474	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	-20	32.37	0.012896	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	-30	37.65	0.015000	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	-50	31.84	0.012685	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	20850 -2099 4	100RB#0-50RB#0	NV	20	39.12	0.015586	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	21051 -2119 5	100RB#0-50RB#0	NV	-50	40.13	0.015861	±2.5	PASS
7-7	20MHz-10MHz	QPSK- QPSK	21051 -2119 5	100RB#0-50RB#0	NV	-20	39.53	0.015624	±2.5	PASS

7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	NV	30	38.70	0.015296	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	NV	20	38.61	0.015260	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	NV	10	41.80	0.016521	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	NV	-10	43.19	0.017070	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	NV	-30	42.26	0.016703	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	NV	0	45.93	0.018153	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	-30	38.80	0.015215	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	-20	40.60	0.015921	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	-10	37.71	0.014788	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	0	41.16	0.016141	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	10	27.17	0.010654	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	20	41.61	0.016317	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	-50	41.48	0.016266	±2.5	PASS
7-7	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	NV	30	39.85	0.015627	±2.5	PASS
7-7	20MHz-	16QAM	20850	100RB#0	NV	-20	39.54	0.015753	±2.5	PASS

	10MHz	-16QAM M	-2099 4	-50RB#0						
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	-30	47.41	0.018888	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	-10	42.06	0.016757	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	30	44.69	0.017805	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	-50	41.69	0.016610	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	10	42.00	0.016733	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	20	42.07	0.016761	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	20850 -2099 4	100RB#0 -50RB#0	NV	0	44.52	0.017737	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119 5	100RB#0 -50RB#0	NV	0	46.63	0.018430	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119 5	100RB#0 -50RB#0	NV	30	30.66	0.012118	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119 5	100RB#0 -50RB#0	NV	-50	42.11	0.016644	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119 5	100RB#0 -50RB#0	NV	10	39.00	0.015414	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119 5	100RB#0 -50RB#0	NV	-10	43.50	0.017193	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119 5	100RB#0 -50RB#0	NV	-20	49.51	0.019568	±2.5	PASS
7-7	20MHz- 10MHz	16QAM -16QAM	21051 -2119	100RB#0 -50RB#0	NV	-30	40.96	0.016189	±2.5	PASS

		M	5							
7-7	20MHz-10MHz	16QAM -16QA M	21051 -2119 5	100RB#0 -50RB#0	NV	20	46.28	0.018292	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	-20	36.08	0.014148	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	-10	38.98	0.015286	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	0	25.81	0.010121	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	10	32.03	0.012560	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	20	40.50	0.015882	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	30	33.23	0.013031	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	-50	29.24	0.011466	±2.5	PASS
7-7	20MHz-10MHz	16QAM -16QA M	21251 -2139 5	100RB#0 -50RB#0	NV	-30	33.26	0.013043	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QA M	20850 -2099 4	100RB#0 -50RB#0	NV	0	33.63	0.013398	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QA M	20850 -2099 4	100RB#0 -50RB#0	NV	-30	40.76	0.016239	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QA M	20850 -2099 4	100RB#0 -50RB#0	NV	-10	39.53	0.015749	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QA M	20850 -2099 4	100RB#0 -50RB#0	NV	10	37.38	0.014892	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QA M	20850 -2099 4	100RB#0 -50RB#0	NV	20	38.95	0.015518	±2.5	PASS

7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	NV	30	27.78	0.011068	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	NV	-50	34.98	0.013936	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	20850-20994	100RB#0-50RB#0	NV	-20	36.22	0.014430	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	20	30.27	0.011964	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	-30	35.23	0.013924	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	-20	40.77	0.016114	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	-10	28.10	0.011106	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	30	34.16	0.013501	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	0	31.39	0.012407	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	10	38.01	0.015023	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21051-21195	100RB#0-50RB#0	NV	-50	35.46	0.014015	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	NV	-50	22.27	0.008733	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	NV	20	23.93	0.009384	±2.5	PASS
7-7	20MHz-10MHz	64QAM-64QAM	21251-21395	100RB#0-50RB#0	NV	10	30.17	0.011831	±2.5	PASS
7-7	20MHz-10MHz	64QAM	21251	100RB#0	NV	0	35.38	0.013874	±2.5	PASS

	10MHz	-64QAM	-2139	-50RB#0						
		M	5							
7-7	20MHz-10MHz	64QAM -64QAM	21251 -2139 5	100RB#0 -50RB#0	NV	-10	31.50	0.012352	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QAM	21251 -2139 5	100RB#0 -50RB#0	NV	-30	26.15	0.010254	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QAM	21251 -2139 5	100RB#0 -50RB#0	NV	30	22.20	0.008706	±2.5	PASS
7-7	20MHz-10MHz	64QAM -64QAM	21251 -2139 5	100RB#0 -50RB#0	NV	-20	20.44	0.008015	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	0	46.78	0.018637	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	20	53.34	0.021251	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	30	52.94	0.021092	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	10	51.00	0.020319	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	-20	57.38	0.022861	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	-50	42.70	0.017012	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	-10	46.52	0.018534	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	20850 -2102 1	100RB#0 -75RB#0	NV	-30	48.87	0.019470	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	-50	53.26	0.021071	±2.5	PASS
7-7	20MHz-15MHz	QPSK- QPSK	21026 -2119	100RB#0 -75RB#0	NV	-30	52.40	0.020731	±2.5	PASS

			7							
7-7	20MHz-15MHz	QPSK-QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	-20	52.19	0.020648	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	-10	50.50	0.019979	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	0	51.77	0.020482	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	10	47.16	0.018658	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	20	46.42	0.018365	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21026 -2119 7	100RB#0 -75RB#0	NV	30	55.13	0.021811	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	30	54.27	0.021323	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	-30	51.24	0.020133	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	-20	60.18	0.023645	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	-10	54.42	0.021382	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	0	57.13	0.022447	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	10	59.14	0.023237	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	20	46.51	0.018274	±2.5	PASS
7-7	20MHz-15MHz	QPSK-QPSK	21201 -2137 2	100RB#0 -75RB#0	NV	-50	59.17	0.023249	±2.5	PASS

7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	20	43.03	0.017143	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	10	50.94	0.020295	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	0	51.28	0.020430	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	-10	47.84	0.019060	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	-20	45.05	0.017948	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	-30	48.22	0.019211	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	-50	51.94	0.020693	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	NV	30	46.79	0.018641	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	NV	-10	44.73	0.017697	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	NV	30	51.94	0.020549	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	NV	20	47.89	0.018947	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	NV	0	46.52	0.018405	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	NV	-20	40.74	0.016118	±2.5	PASS
7-7	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	NV	-30	41.61	0.016462	±2.5	PASS
7-7	20MHz-15MHz	16QAM	21026	100RB#0	NV	-50	42.04	0.016632	±2.5	PASS

	15MHz	-16QAM M	-2119 7	-75RB#0						
7-7	20MHz- 15MHz	16QAM -16QAM	21026 -2119 7	100RB#0 -75RB#0	NV	10	45.95	0.018179	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	0	53.07	0.020852	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	-50	55.99	0.021999	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	-30	50.83	0.019972	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	-20	46.22	0.018160	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	-10	53.90	0.021178	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	10	51.73	0.020325	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	30	54.35	0.021355	±2.5	PASS
7-7	20MHz- 15MHz	16QAM -16QAM	21201 -2137 2	100RB#0 -75RB#0	NV	20	54.76	0.021516	±2.5	PASS
7-7	20MHz- 15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	NV	30	47.86	0.019068	±2.5	PASS
7-7	20MHz- 15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	NV	20	39.30	0.015657	±2.5	PASS
7-7	20MHz- 15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	NV	10	51.80	0.020637	±2.5	PASS
7-7	20MHz- 15MHz	64QAM -64QAM	20850 -2102 1	100RB#0 -75RB#0	NV	0	45.56	0.018151	±2.5	PASS
7-7	20MHz- 15MHz	64QAM -64QAM	20850 -2102	100RB#0 -75RB#0	NV	-10	43.76	0.017434	±2.5	PASS

		M	1							
7-7	20MHz-15MHz	64QAM -64QA M	20850 -2102 1	100RB#0 -75RB#0	NV	-20	45.40	0.018088	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	20850 -2102 1	100RB#0 -75RB#0	NV	-30	49.58	0.019753	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	20850 -2102 1	100RB#0 -75RB#0	NV	-50	55.68	0.022183	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	-50	40.81	0.016146	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	-30	37.81	0.014959	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	-20	36.15	0.014302	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	-10	38.45	0.015212	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	20	44.99	0.017799	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	0	40.70	0.016102	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	30	48.09	0.019026	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21026 -2119 7	100RB#0 -75RB#0	NV	10	44.86	0.017748	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21201 -2137 2	100RB#0 -75RB#0	NV	-50	44.57	0.017512	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21201 -2137 2	100RB#0 -75RB#0	NV	20	48.54	0.019072	±2.5	PASS
7-7	20MHz-15MHz	64QAM -64QA M	21201 -2137 2	100RB#0 -75RB#0	NV	10	44.70	0.017563	±2.5	PASS

7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	NV	0	46.58	0.018302	±2.5	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	NV	-10	45.32	0.017807	±2.5	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	NV	-30	43.09	0.016931	±2.5	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	NV	30	49.54	0.019465	±2.5	PASS
7-7	20MHz-15MHz	64QAM-64QAM	21201-21372	100RB#0-75RB#0	NV	-20	44.45	0.017465	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	30	65.72	0.026183	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	0	60.30	0.024024	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	20	64.33	0.025629	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	10	60.40	0.024064	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-20	53.50	0.021315	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-50	47.35	0.018865	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-10	60.70	0.024183	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	NV	-30	58.42	0.023275	±2.5	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	NV	-50	72.68	0.028783	±2.5	PASS
7-7	20MHz-	QPSK-	21001	100RB#0	NV	-30	71.63	0.028367	±2.5	PASS

	20MHz	QPSK	-2119 9	-100RB# 0						
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	-20	76.33	0.030229	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	-10	74.97	0.029690	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	0	74.86	0.029646	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	10	69.21	0.027409	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	20	76.58	0.030328	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21001 -2119 9	100RB#0 -100RB# 0	NV	30	75.13	0.029753	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	30	70.67	0.027821	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-50	61.50	0.024211	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-20	67.75	0.026671	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	-10	68.82	0.027092	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	0	68.35	0.026907	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	10	75.36	0.029667	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135 0	100RB#0 -100RB# 0	NV	20	71.28	0.028061	±2.5	PASS
7-7	20MHz- 20MHz	QPSK- QPSK	21152 -2135	100RB#0 -100RB#	NV	-30	65.66	0.025848	±2.5	PASS

			0	0						
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-10	58.25	0.023207	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	20	54.96	0.021896	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	0	55.16	0.021976	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-20	67.49	0.026888	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-30	58.01	0.023112	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-50	55.76	0.022215	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	10	65.42	0.026064	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	30	64.16	0.025562	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-10	75.72	0.029987	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	30	69.48	0.027516	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	20	68.16	0.026993	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	0	75.76	0.030003	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-20	62.83	0.024882	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-30	66.49	0.026332	±2.5	PASS

7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-50	66.76	0.026439	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	10	71.58	0.028347	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-20	71.67	0.028214	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-30	76.05	0.029939	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-50	71.50	0.028147	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-10	72.38	0.028494	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	0	77.61	0.030553	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	10	76.26	0.030021	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	20	73.20	0.028817	±2.5	PASS
7-7	20MHz- 20MHz	16QAM -16QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	30	64.47	0.025380	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-20	59.72	0.023793	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	20	60.78	0.024215	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	10	56.45	0.022490	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-10	62.11	0.024745	±2.5	PASS
7-7	20MHz-	64QAM	20850	100RB#0	NV	-50	64.49	0.025693	±2.5	PASS

	20MHz	-64QA M	-2104 8	-100RB# 0						
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	-30	68.85	0.027430	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	30	61.38	0.024454	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	20850 -2104 8	100RB#0 -100RB# 0	NV	0	65.23	0.025988	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	20	64.67	0.025611	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-20	63.40	0.025108	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	30	61.97	0.024542	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	10	67.66	0.026795	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	0	69.92	0.027690	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-10	60.25	0.023860	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-50	60.35	0.023900	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21001 -2119 9	100RB#0 -100RB# 0	NV	-30	75.06	0.029726	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	30	70.35	0.027695	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-30	72.86	0.028683	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA	21152 -2135	100RB#0 -100RB#	NV	-20	71.80	0.028265	±2.5	PASS

		M	0	0						
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-10	72.46	0.028525	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	0	77.85	0.030647	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	10	66.32	0.026108	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	20	75.24	0.029620	±2.5	PASS
7-7	20MHz- 20MHz	64QAM -64QA M	21152 -2135 0	100RB#0 -100RB# 0	NV	-50	76.07	0.029946	±2.5	PASS