

Appendix A. Test Results_LTE

A: Average Output Power

Test Result

Band	Average Power (dBm)	EARFCN	Freq. (MHz)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
Band2	23.02	18607	1850.7	QPSK	1.4MHz	1	0
Band2	23.04	18607	1850.7	QPSK	1.4MHz	1	2
Band2	22.94	18607	1850.7	QPSK	1.4MHz	1	5
Band2	22.96	18607	1850.7	QPSK	1.4MHz	3	0
Band2	22.83	18607	1850.7	QPSK	1.4MHz	3	1
Band2	22.74	18607	1850.7	QPSK	1.4MHz	3	3
Band2	22.06	18607	1850.7	QPSK	1.4MHz	6	0
Band2	23.08	18900	1880	QPSK	1.4MHz	1	0
Band2	23.06	18900	1880	QPSK	1.4MHz	1	2
Band2	22.88	18900	1880	QPSK	1.4MHz	1	5
Band2	22.90	18900	1880	QPSK	1.4MHz	3	0
Band2	22.89	18900	1880	QPSK	1.4MHz	3	1
Band2	22.96	18900	1880	QPSK	1.4MHz	3	3
Band2	22.00	18900	1880	QPSK	1.4MHz	6	0
Band2	23.06	19193	1909.3	QPSK	1.4MHz	1	0
Band2	23.02	19193	1909.3	QPSK	1.4MHz	1	2
Band2	23.00	19193	1909.3	QPSK	1.4MHz	1	5
Band2	22.90	19193	1909.3	QPSK	1.4MHz	3	0
Band2	22.93	19193	1909.3	QPSK	1.4MHz	3	1
Band2	22.82	19193	1909.3	QPSK	1.4MHz	3	3
Band2	22.07	19193	1909.3	QPSK	1.4MHz	6	0
Band2	22.39	18607	1850.7	16QAM	1.4MHz	1	0
Band2	22.36	18607	1850.7	16QAM	1.4MHz	1	2
Band2	22.17	18607	1850.7	16QAM	1.4MHz	1	5
Band2	21.96	18607	1850.7	16QAM	1.4MHz	3	0
Band2	21.97	18607	1850.7	16QAM	1.4MHz	3	1
Band2	21.87	18607	1850.7	16QAM	1.4MHz	3	3
Band2	21.40	18607	1850.7	16QAM	1.4MHz	6	0
Band2	22.46	18900	1880	16QAM	1.4MHz	1	0
Band2	22.39	18900	1880	16QAM	1.4MHz	1	2
Band2	22.34	18900	1880	16QAM	1.4MHz	1	5

Band2	21.83	18900	1880	16QAM	1.4MHz	3	0
Band2	21.83	18900	1880	16QAM	1.4MHz	3	1
Band2	21.79	18900	1880	16QAM	1.4MHz	3	3
Band2	21.46	18900	1880	16QAM	1.4MHz	6	0
Band2	22.41	19193	1909.3	16QAM	1.4MHz	1	0
Band2	22.31	19193	1909.3	16QAM	1.4MHz	1	2
Band2	22.30	19193	1909.3	16QAM	1.4MHz	1	5
Band2	21.77	19193	1909.3	16QAM	1.4MHz	3	0
Band2	21.75	19193	1909.3	16QAM	1.4MHz	3	1
Band2	21.72	19193	1909.3	16QAM	1.4MHz	3	3
Band2	21.39	19193	1909.3	16QAM	1.4MHz	6	0
Band2	21.54	18607	1850.7	64QAM	1.4MHz	1	0
Band2	21.54	18607	1850.7	64QAM	1.4MHz	1	2
Band2	21.48	18607	1850.7	64QAM	1.4MHz	1	5
Band2	20.76	18607	1850.7	64QAM	1.4MHz	3	0
Band2	20.78	18607	1850.7	64QAM	1.4MHz	3	1
Band2	20.82	18607	1850.7	64QAM	1.4MHz	3	3
Band2	20.54	18607	1850.7	64QAM	1.4MHz	6	0
Band2	21.62	18900	1880	64QAM	1.4MHz	1	0
Band2	21.56	18900	1880	64QAM	1.4MHz	1	2
Band2	21.55	18900	1880	64QAM	1.4MHz	1	5
Band2	20.88	18900	1880	64QAM	1.4MHz	3	0
Band2	20.84	18900	1880	64QAM	1.4MHz	3	1
Band2	20.77	18900	1880	64QAM	1.4MHz	3	3
Band2	20.49	18900	1880	64QAM	1.4MHz	6	0
Band2	21.67	19193	1909.3	64QAM	1.4MHz	1	0
Band2	21.50	19193	1909.3	64QAM	1.4MHz	1	2
Band2	21.51	19193	1909.3	64QAM	1.4MHz	1	5
Band2	20.91	19193	1909.3	64QAM	1.4MHz	3	0
Band2	20.78	19193	1909.3	64QAM	1.4MHz	3	1
Band2	20.71	19193	1909.3	64QAM	1.4MHz	3	3
Band2	20.56	19193	1909.3	64QAM	1.4MHz	6	0
Band2	23.06	18615	1851.5	QPSK	3MHz	1	0
Band2	23.00	18615	1851.5	QPSK	3MHz	1	7
Band2	22.86	18615	1851.5	QPSK	3MHz	1	14
Band2	22.57	18615	1851.5	QPSK	3MHz	8	0
Band2	22.58	18615	1851.5	QPSK	3MHz	8	3
Band2	22.49	18615	1851.5	QPSK	3MHz	8	7

Band2	22.03	18615	1851.5	QPSK	3MHz	15	0
Band2	23.14	18900	1880	QPSK	3MHz	1	0
Band2	23.09	18900	1880	QPSK	3MHz	1	7
Band2	22.98	18900	1880	QPSK	3MHz	1	14
Band2	22.68	18900	1880	QPSK	3MHz	8	0
Band2	22.66	18900	1880	QPSK	3MHz	8	3
Band2	22.57	18900	1880	QPSK	3MHz	8	7
Band2	22.09	18900	1880	QPSK	3MHz	15	0
Band2	23.04	19185	1908.5	QPSK	3MHz	1	0
Band2	23.00	19185	1908.5	QPSK	3MHz	1	7
Band2	22.95	19185	1908.5	QPSK	3MHz	1	14
Band2	22.65	19185	1908.5	QPSK	3MHz	8	0
Band2	22.64	19185	1908.5	QPSK	3MHz	8	3
Band2	22.57	19185	1908.5	QPSK	3MHz	8	7
Band2	22.12	19185	1908.5	QPSK	3MHz	15	0
Band2	22.29	18615	1851.5	16QAM	3MHz	1	0
Band2	22.18	18615	1851.5	16QAM	3MHz	1	7
Band2	22.15	18615	1851.5	16QAM	3MHz	1	14
Band2	21.98	18615	1851.5	16QAM	3MHz	8	0
Band2	21.97	18615	1851.5	16QAM	3MHz	8	3
Band2	21.89	18615	1851.5	16QAM	3MHz	8	7
Band2	21.34	18615	1851.5	16QAM	3MHz	15	0
Band2	22.43	18900	1880	16QAM	3MHz	1	0
Band2	22.33	18900	1880	16QAM	3MHz	1	7
Band2	22.28	18900	1880	16QAM	3MHz	1	14
Band2	21.85	18900	1880	16QAM	3MHz	8	0
Band2	21.74	18900	1880	16QAM	3MHz	8	3
Band2	21.96	18900	1880	16QAM	3MHz	8	7
Band2	21.36	18900	1880	16QAM	3MHz	15	0
Band2	22.45	19185	1908.5	16QAM	3MHz	1	0
Band2	22.40	19185	1908.5	16QAM	3MHz	1	7
Band2	22.34	19185	1908.5	16QAM	3MHz	1	14
Band2	21.75	19185	1908.5	16QAM	3MHz	8	0
Band2	21.66	19185	1908.5	16QAM	3MHz	8	3
Band2	21.53	19185	1908.5	16QAM	3MHz	8	7
Band2	21.39	19185	1908.5	16QAM	3MHz	15	0
Band2	21.59	18615	1851.5	64QAM	3MHz	1	0
Band2	21.49	18615	1851.5	64QAM	3MHz	1	7

Band2	21.49	18615	1851.5	64QAM	3MHz	1	14
Band2	20.88	18615	1851.5	64QAM	3MHz	8	0
Band2	20.84	18615	1851.5	64QAM	3MHz	8	3
Band2	20.88	18615	1851.5	64QAM	3MHz	8	7
Band2	20.51	18615	1851.5	64QAM	3MHz	15	0
Band2	21.63	18900	1880	64QAM	3MHz	1	0
Band2	21.55	18900	1880	64QAM	3MHz	1	7
Band2	21.48	18900	1880	64QAM	3MHz	1	14
Band2	20.93	18900	1880	64QAM	3MHz	8	0
Band2	20.87	18900	1880	64QAM	3MHz	8	3
Band2	20.85	18900	1880	64QAM	3MHz	8	7
Band2	20.55	18900	1880	64QAM	3MHz	15	0
Band2	21.60	19185	1908.5	64QAM	3MHz	1	0
Band2	21.54	19185	1908.5	64QAM	3MHz	1	7
Band2	21.54	19185	1908.5	64QAM	3MHz	1	14
Band2	20.89	19185	1908.5	64QAM	3MHz	8	0
Band2	20.87	19185	1908.5	64QAM	3MHz	8	3
Band2	20.85	19185	1908.5	64QAM	3MHz	8	7
Band2	20.51	19185	1908.5	64QAM	3MHz	15	0
Band2	23.15	18625	1852.5	QPSK	5MHz	1	0
Band2	23.14	18625	1852.5	QPSK	5MHz	1	12
Band2	23.10	18625	1852.5	QPSK	5MHz	1	24
Band2	22.82	18625	1852.5	QPSK	5MHz	12	0
Band2	22.82	18625	1852.5	QPSK	5MHz	12	6
Band2	22.67	18625	1852.5	QPSK	5MHz	12	13
Band2	22.21	18625	1852.5	QPSK	5MHz	25	0
Band2	23.18	18900	1880	QPSK	5MHz	1	0
Band2	23.16	18900	1880	QPSK	5MHz	1	12
Band2	23.00	18900	1880	QPSK	5MHz	1	24
Band2	22.70	18900	1880	QPSK	5MHz	12	0
Band2	22.66	18900	1880	QPSK	5MHz	12	6
Band2	22.56	18900	1880	QPSK	5MHz	12	13
Band2	22.10	18900	1880	QPSK	5MHz	25	0
Band2	23.10	19175	1907.5	QPSK	5MHz	1	0
Band2	23.09	19175	1907.5	QPSK	5MHz	1	12
Band2	23.06	19175	1907.5	QPSK	5MHz	1	24
Band2	22.72	19175	1907.5	QPSK	5MHz	12	0
Band2	22.68	19175	1907.5	QPSK	5MHz	12	6

Band2	22.60	19175	1907.5	QPSK	5MHz	12	13
Band2	22.14	19175	1907.5	QPSK	5MHz	25	0
Band2	22.36	18625	1852.5	16QAM	5MHz	1	0
Band2	22.28	18625	1852.5	16QAM	5MHz	1	12
Band2	22.21	18625	1852.5	16QAM	5MHz	1	24
Band2	21.88	18625	1852.5	16QAM	5MHz	12	0
Band2	21.71	18625	1852.5	16QAM	5MHz	12	6
Band2	21.97	18625	1852.5	16QAM	5MHz	12	13
Band2	21.29	18625	1852.5	16QAM	5MHz	25	0
Band2	22.42	18900	1880	16QAM	5MHz	1	0
Band2	22.38	18900	1880	16QAM	5MHz	1	12
Band2	22.34	18900	1880	16QAM	5MHz	1	24
Band2	21.85	18900	1880	16QAM	5MHz	12	0
Band2	21.74	18900	1880	16QAM	5MHz	12	6
Band2	21.69	18900	1880	16QAM	5MHz	12	13
Band2	21.31	18900	1880	16QAM	5MHz	25	0
Band2	22.44	19175	1907.5	16QAM	5MHz	1	0
Band2	22.38	19175	1907.5	16QAM	5MHz	1	12
Band2	22.34	19175	1907.5	16QAM	5MHz	1	24
Band2	21.87	19175	1907.5	16QAM	5MHz	12	0
Band2	21.84	19175	1907.5	16QAM	5MHz	12	6
Band2	21.75	19175	1907.5	16QAM	5MHz	12	11
Band2	21.33	19175	1907.5	16QAM	5MHz	25	0
Band2	21.52	18625	1852.5	64QAM	5MHz	1	0
Band2	21.51	18625	1852.5	64QAM	5MHz	1	12
Band2	21.52	18625	1852.5	64QAM	5MHz	1	24
Band2	20.75	18625	1852.5	64QAM	5MHz	12	0
Band2	20.71	18625	1852.5	64QAM	5MHz	12	6
Band2	20.79	18625	1852.5	64QAM	5MHz	12	13
Band2	20.46	18625	1852.5	64QAM	5MHz	25	0
Band2	21.69	18900	1880	64QAM	5MHz	1	0
Band2	21.60	18900	1880	64QAM	5MHz	1	12
Band2	21.49	18900	1880	64QAM	5MHz	1	24
Band2	20.83	18900	1880	64QAM	5MHz	12	0
Band2	20.79	18900	1880	64QAM	5MHz	12	6
Band2	20.76	18900	1880	64QAM	5MHz	12	13
Band2	20.47	18900	1880	64QAM	5MHz	25	0
Band2	21.64	19175	1907.5	64QAM	5MHz	1	0

Band2	21.52	19175	1907.5	64QAM	5MHz	1	12
Band2	21.51	19175	1907.5	64QAM	5MHz	1	24
Band2	20.83	19175	1907.5	64QAM	5MHz	12	0
Band2	20.78	19175	1907.5	64QAM	5MHz	12	6
Band2	20.68	19175	1907.5	64QAM	5MHz	12	11
Band2	20.49	19175	1907.5	64QAM	5MHz	25	0
Band2	23.09	18650	1855	QPSK	10MHz	1	0
Band2	22.94	18650	1855	QPSK	10MHz	1	24
Band2	22.93	18650	1855	QPSK	10MHz	1	49
Band2	22.61	18650	1855	QPSK	10MHz	25	0
Band2	22.61	18650	1855	QPSK	10MHz	25	12
Band2	22.55	18650	1855	QPSK	10MHz	25	25
Band2	22.05	18650	1855	QPSK	10MHz	50	0
Band2	23.10	18900	1880	QPSK	10MHz	1	0
Band2	23.08	18900	1880	QPSK	10MHz	1	24
Band2	23.00	18900	1880	QPSK	10MHz	1	49
Band2	22.70	18900	1880	QPSK	10MHz	25	0
Band2	22.68	18900	1880	QPSK	10MHz	25	12
Band2	22.59	18900	1880	QPSK	10MHz	25	25
Band2	22.14	18900	1880	QPSK	10MHz	50	0
Band2	23.08	19150	1905	QPSK	10MHz	1	0
Band2	22.98	19150	1905	QPSK	10MHz	1	24
Band2	22.99	19150	1905	QPSK	10MHz	1	49
Band2	22.65	19150	1905	QPSK	10MHz	25	0
Band2	22.64	19150	1905	QPSK	10MHz	25	12
Band2	22.59	19150	1905	QPSK	10MHz	25	25
Band2	22.10	19150	1905	QPSK	10MHz	50	0
Band2	22.28	18650	1855	16QAM	10MHz	1	0
Band2	22.21	18650	1855	16QAM	10MHz	1	24
Band2	22.24	18650	1855	16QAM	10MHz	1	49
Band2	21.94	18650	1855	16QAM	10MHz	25	0
Band2	21.86	18650	1855	16QAM	10MHz	25	12
Band2	21.77	18650	1855	16QAM	10MHz	25	25
Band2	21.42	18650	1855	16QAM	10MHz	50	0
Band2	22.36	18900	1880	16QAM	10MHz	1	0
Band2	22.36	18900	1880	16QAM	10MHz	1	24
Band2	22.33	18900	1880	16QAM	10MHz	1	49
Band2	21.91	18900	1880	16QAM	10MHz	25	0

Band2	21.90	18900	1880	16QAM	10MHz	25	12
Band2	21.84	18900	1880	16QAM	10MHz	25	25
Band2	21.49	18900	1880	16QAM	10MHz	50	0
Band2	22.29	19150	1905	16QAM	10MHz	1	0
Band2	22.15	19150	1905	16QAM	10MHz	1	24
Band2	22.22	19150	1905	16QAM	10MHz	1	49
Band2	21.92	19150	1905	16QAM	10MHz	25	0
Band2	21.90	19150	1905	16QAM	10MHz	25	12
Band2	21.81	19150	1905	16QAM	10MHz	25	25
Band2	21.32	19150	1905	16QAM	10MHz	50	0
Band2	21.55	18650	1855	64QAM	10MHz	1	0
Band2	21.52	18650	1855	64QAM	10MHz	1	24
Band2	21.52	18650	1855	64QAM	10MHz	1	49
Band2	20.72	18650	1855	64QAM	10MHz	25	0
Band2	20.77	18650	1855	64QAM	10MHz	25	12
Band2	20.72	18650	1855	64QAM	10MHz	25	25
Band2	20.45	18650	1855	64QAM	10MHz	50	0
Band2	21.61	18900	1880	64QAM	10MHz	1	0
Band2	21.57	18900	1880	64QAM	10MHz	1	24
Band2	21.53	18900	1880	64QAM	10MHz	1	49
Band2	20.84	18900	1880	64QAM	10MHz	25	0
Band2	20.74	18900	1880	64QAM	10MHz	25	12
Band2	20.68	18900	1880	64QAM	10MHz	25	25
Band2	20.51	18900	1880	64QAM	10MHz	50	0
Band2	21.66	19150	1905	64QAM	10MHz	1	0
Band2	21.45	19150	1905	64QAM	10MHz	1	24
Band2	21.55	19150	1905	64QAM	10MHz	1	49
Band2	20.82	19150	1905	64QAM	10MHz	25	0
Band2	20.73	19150	1905	64QAM	10MHz	25	12
Band2	20.65	19150	1905	64QAM	10MHz	25	25
Band2	20.53	19150	1905	64QAM	10MHz	50	0
Band2	23.07	18675	1857.5	QPSK	15MHz	1	0
Band2	23.03	18675	1857.5	QPSK	15MHz	1	37
Band2	23.03	18675	1857.5	QPSK	15MHz	1	74
Band2	22.63	18675	1857.5	QPSK	15MHz	36	0
Band2	22.71	18675	1857.5	QPSK	15MHz	36	19
Band2	22.66	18675	1857.5	QPSK	15MHz	36	39
Band2	22.16	18675	1857.5	QPSK	15MHz	75	0

Band2	23.15	18900	1880	QPSK	15MHz	1	0
Band2	23.10	18900	1880	QPSK	15MHz	1	37
Band2	23.03	18900	1880	QPSK	15MHz	1	74
Band2	22.72	18900	1880	QPSK	15MHz	36	0
Band2	22.72	18900	1880	QPSK	15MHz	36	19
Band2	22.71	18900	1880	QPSK	15MHz	36	39
Band2	22.20	18900	1880	QPSK	15MHz	75	0
Band2	23.09	19125	1902.5	QPSK	15MHz	1	0
Band2	22.98	19125	1902.5	QPSK	15MHz	1	37
Band2	22.95	19125	1902.5	QPSK	15MHz	1	74
Band2	22.68	19125	1902.5	QPSK	15MHz	36	0
Band2	22.65	19125	1902.5	QPSK	15MHz	36	19
Band2	22.55	19125	1902.5	QPSK	15MHz	36	39
Band2	22.13	19125	1902.5	QPSK	15MHz	75	0
Band2	22.41	18675	1857.5	16QAM	15MHz	1	0
Band2	22.39	18675	1857.5	16QAM	15MHz	1	37
Band2	22.39	18675	1857.5	16QAM	15MHz	1	74
Band2	21.89	18675	1857.5	16QAM	15MHz	36	0
Band2	21.88	18675	1857.5	16QAM	15MHz	36	19
Band2	21.94	18675	1857.5	16QAM	15MHz	36	39
Band2	21.59	18675	1857.5	16QAM	15MHz	75	0
Band2	22.42	18900	1880	16QAM	15MHz	1	0
Band2	22.39	18900	1880	16QAM	15MHz	1	37
Band2	22.35	18900	1880	16QAM	15MHz	1	74
Band2	21.92	18900	1880	16QAM	15MHz	36	0
Band2	21.92	18900	1880	16QAM	15MHz	36	19
Band2	21.89	18900	1880	16QAM	15MHz	36	39
Band2	21.52	18900	1880	16QAM	15MHz	75	0
Band2	22.42	19125	1902.5	16QAM	15MHz	1	0
Band2	22.34	19125	1902.5	16QAM	15MHz	1	37
Band2	22.34	19125	1902.5	16QAM	15MHz	1	74
Band2	21.93	19125	1902.5	16QAM	15MHz	36	0
Band2	21.87	19125	1902.5	16QAM	15MHz	36	19
Band2	21.76	19125	1902.5	16QAM	15MHz	36	39
Band2	21.51	19125	1902.5	16QAM	15MHz	75	0
Band2	21.52	18675	1857.5	64QAM	15MHz	1	0
Band2	21.49	18675	1857.5	64QAM	15MHz	1	37
Band2	21.53	18675	1857.5	64QAM	15MHz	1	74

Band2	20.67	18675	1857.5	64QAM	15MHz	36	0
Band2	20.79	18675	1857.5	64QAM	15MHz	36	19
Band2	20.79	18675	1857.5	64QAM	15MHz	36	39
Band2	20.50	18675	1857.5	64QAM	15MHz	75	0
Band2	21.64	18900	1880	64QAM	15MHz	1	0
Band2	21.61	18900	1880	64QAM	15MHz	1	37
Band2	21.47	18900	1880	64QAM	15MHz	1	74
Band2	20.75	18900	1880	64QAM	15MHz	36	0
Band2	20.80	18900	1880	64QAM	15MHz	36	19
Band2	20.77	18900	1880	64QAM	15MHz	36	39
Band2	20.51	18900	1880	64QAM	15MHz	75	0
Band2	21.63	19125	1902.5	64QAM	15MHz	1	0
Band2	21.49	19125	1902.5	64QAM	15MHz	1	37
Band2	21.49	19125	1902.5	64QAM	15MHz	1	74
Band2	20.88	19125	1902.5	64QAM	15MHz	36	0
Band2	20.77	19125	1902.5	64QAM	15MHz	36	19
Band2	20.71	19125	1902.5	64QAM	15MHz	36	39
Band2	20.55	19125	1902.5	64QAM	15MHz	75	0
Band2	23.14	18700	1860	QPSK	20MHz	1	0
Band2	23.09	18700	1860	QPSK	20MHz	1	49
Band2	23.12	18700	1860	QPSK	20MHz	1	99
Band2	22.71	18700	1860	QPSK	20MHz	50	0
Band2	22.78	18700	1860	QPSK	20MHz	50	25
Band2	22.76	18700	1860	QPSK	20MHz	50	50
Band2	22.25	18700	1860	QPSK	20MHz	100	0
Band2	23.13	18900	1880	QPSK	20MHz	1	0
Band2	23.11	18900	1880	QPSK	20MHz	1	49
Band2	23.02	18900	1880	QPSK	20MHz	1	99
Band2	22.72	18900	1880	QPSK	20MHz	50	0
Band2	22.70	18900	1880	QPSK	20MHz	50	25
Band2	22.66	18900	1880	QPSK	20MHz	50	50
Band2	22.16	18900	1880	QPSK	20MHz	100	0
Band2	23.20	19100	1900	QPSK	20MHz	1	0
Band2	23.03	19100	1900	QPSK	20MHz	1	49
Band2	23.03	19100	1900	QPSK	20MHz	1	99
Band2	22.73	19100	1900	QPSK	20MHz	50	0
Band2	22.69	19100	1900	QPSK	20MHz	50	25
Band2	22.59	19100	1900	QPSK	20MHz	50	50

Band2	22.21	19100	1900	QPSK	20MHz	100	0
Band2	22.33	18700	1860	16QAM	20MHz	1	0
Band2	22.26	18700	1860	16QAM	20MHz	1	49
Band2	22.27	18700	1860	16QAM	20MHz	1	99
Band2	21.78	18700	1860	16QAM	20MHz	50	0
Band2	21.82	18700	1860	16QAM	20MHz	50	25
Band2	21.82	18700	1860	16QAM	20MHz	50	50
Band2	21.57	18700	1860	16QAM	20MHz	100	0
Band2	22.41	18900	1880	16QAM	20MHz	1	0
Band2	22.34	18900	1880	16QAM	20MHz	1	49
Band2	22.28	18900	1880	16QAM	20MHz	1	99
Band2	21.86	18900	1880	16QAM	20MHz	50	0
Band2	21.82	18900	1880	16QAM	20MHz	50	25
Band2	21.79	18900	1880	16QAM	20MHz	50	50
Band2	21.59	18900	1880	16QAM	20MHz	100	0
Band2	22.39	19100	1900	16QAM	20MHz	1	0
Band2	22.26	19100	1900	16QAM	20MHz	1	49
Band2	22.30	19100	1900	16QAM	20MHz	1	99
Band2	21.91	19100	1900	16QAM	20MHz	50	0
Band2	21.84	19100	1900	16QAM	20MHz	50	25
Band2	21.74	19100	1900	16QAM	20MHz	50	50
Band2	21.60	19100	1900	16QAM	20MHz	100	0
Band2	21.54	18700	1860	64QAM	20MHz	1	0
Band2	21.52	18700	1860	64QAM	20MHz	1	49
Band2	21.51	18700	1860	64QAM	20MHz	1	99
Band2	20.74	18700	1860	64QAM	20MHz	50	0
Band2	20.77	18700	1860	64QAM	20MHz	50	25
Band2	20.76	18700	1860	64QAM	20MHz	50	50
Band2	20.44	18700	1860	64QAM	20MHz	100	0
Band2	21.65	18900	1880	64QAM	20MHz	1	0
Band2	21.53	18900	1880	64QAM	20MHz	1	49
Band2	21.53	18900	1880	64QAM	20MHz	1	99
Band2	20.82	18900	1880	64QAM	20MHz	50	0
Band2	20.77	18900	1880	64QAM	20MHz	50	25
Band2	20.72	18900	1880	64QAM	20MHz	50	50
Band2	20.47	18900	1880	64QAM	20MHz	100	0
Band2	21.66	19100	1900	64QAM	20MHz	1	0
Band2	21.55	19100	1900	64QAM	20MHz	1	49

Band2	21.50	19100	1900	64QAM	20MHz	1	99
Band2	20.80	19100	1900	64QAM	20MHz	50	0
Band2	20.81	19100	1900	64QAM	20MHz	50	25
Band2	20.70	19100	1900	64QAM	20MHz	50	50
Band2	20.49	19100	1900	64QAM	20MHz	100	0
Band4	23.20	19957	1710.7	QPSK	1.4MHz	1	0
Band4	23.14	19957	1710.7	QPSK	1.4MHz	1	2
Band4	23.12	19957	1710.7	QPSK	1.4MHz	1	5
Band4	22.79	19957	1710.7	QPSK	1.4MHz	3	0
Band4	22.75	19957	1710.7	QPSK	1.4MHz	3	1
Band4	22.79	19957	1710.7	QPSK	1.4MHz	3	3
Band4	22.22	19957	1710.7	QPSK	1.4MHz	6	0
Band4	23.23	20175	1732.5	QPSK	1.4MHz	1	0
Band4	23.15	20175	1732.5	QPSK	1.4MHz	1	2
Band4	23.15	20175	1732.5	QPSK	1.4MHz	1	5
Band4	22.75	20175	1732.5	QPSK	1.4MHz	3	0
Band4	22.80	20175	1732.5	QPSK	1.4MHz	3	1
Band4	22.79	20175	1732.5	QPSK	1.4MHz	3	3
Band4	22.19	20175	1732.5	QPSK	1.4MHz	6	0
Band4	23.24	20393	1754.3	QPSK	1.4MHz	1	0
Band4	23.13	20393	1754.3	QPSK	1.4MHz	1	2
Band4	23.12	20393	1754.3	QPSK	1.4MHz	1	5
Band4	22.78	20393	1754.3	QPSK	1.4MHz	3	0
Band4	22.80	20393	1754.3	QPSK	1.4MHz	3	1
Band4	22.76	20393	1754.3	QPSK	1.4MHz	3	3
Band4	22.23	20393	1754.3	QPSK	1.4MHz	6	0
Band4	22.55	19957	1710.7	16QAM	1.4MHz	1	0
Band4	22.51	19957	1710.7	16QAM	1.4MHz	1	2
Band4	22.39	19957	1710.7	16QAM	1.4MHz	1	5
Band4	21.89	19957	1710.7	16QAM	1.4MHz	3	0
Band4	21.86	19957	1710.7	16QAM	1.4MHz	3	1
Band4	21.96	19957	1710.7	16QAM	1.4MHz	3	3
Band4	21.24	19957	1710.7	16QAM	1.4MHz	6	0
Band4	22.57	20175	1732.5	16QAM	1.4MHz	1	0
Band4	22.58	20175	1732.5	16QAM	1.4MHz	1	2
Band4	22.55	20175	1732.5	16QAM	1.4MHz	1	5
Band4	21.98	20175	1732.5	16QAM	1.4MHz	3	0
Band4	21.96	20175	1732.5	16QAM	1.4MHz	3	1

Band4	21.99	20175	1732.5	16QAM	1.4MHz	3	3
Band4	21.25	20175	1732.5	16QAM	1.4MHz	6	0
Band4	22.48	20393	1754.3	16QAM	1.4MHz	1	0
Band4	22.47	20393	1754.3	16QAM	1.4MHz	1	2
Band4	22.47	20393	1754.3	16QAM	1.4MHz	1	5
Band4	21.95	20393	1754.3	16QAM	1.4MHz	3	0
Band4	21.85	20393	1754.3	16QAM	1.4MHz	3	1
Band4	21.88	20393	1754.3	16QAM	1.4MHz	3	3
Band4	21.34	20393	1754.3	16QAM	1.4MHz	6	0
Band4	21.65	19957	1710.7	64QAM	1.4MHz	1	0
Band4	21.58	19957	1710.7	64QAM	1.4MHz	1	2
Band4	21.53	19957	1710.7	64QAM	1.4MHz	1	5
Band4	20.85	19957	1710.7	64QAM	1.4MHz	3	0
Band4	20.74	19957	1710.7	64QAM	1.4MHz	3	1
Band4	20.68	19957	1710.7	64QAM	1.4MHz	3	3
Band4	20.38	19957	1710.7	64QAM	1.4MHz	6	0
Band4	21.71	20175	1732.5	64QAM	1.4MHz	1	0
Band4	21.77	20175	1732.5	64QAM	1.4MHz	1	2
Band4	21.72	20175	1732.5	64QAM	1.4MHz	1	5
Band4	20.93	20175	1732.5	64QAM	1.4MHz	3	0
Band4	20.88	20175	1732.5	64QAM	1.4MHz	3	1
Band4	20.71	20175	1732.5	64QAM	1.4MHz	3	3
Band4	20.39	20175	1732.5	64QAM	1.4MHz	6	0
Band4	21.68	20393	1754.3	64QAM	1.4MHz	1	0
Band4	21.65	20393	1754.3	64QAM	1.4MHz	1	2
Band4	21.66	20393	1754.3	64QAM	1.4MHz	1	5
Band4	20.85	20393	1754.3	64QAM	1.4MHz	3	0
Band4	20.74	20393	1754.3	64QAM	1.4MHz	3	1
Band4	20.66	20393	1754.3	64QAM	1.4MHz	3	3
Band4	20.56	20393	1754.3	64QAM	1.4MHz	6	0
Band4	23.23	19965	1711.5	QPSK	3MHz	1	0
Band4	23.21	19965	1711.5	QPSK	3MHz	1	7
Band4	23.21	19965	1711.5	QPSK	3MHz	1	14
Band4	22.80	19965	1711.5	QPSK	3MHz	8	0
Band4	22.84	19965	1711.5	QPSK	3MHz	8	3
Band4	22.78	19965	1711.5	QPSK	3MHz	8	7
Band4	22.30	19965	1711.5	QPSK	3MHz	15	0
Band4	23.25	20175	1732.5	QPSK	3MHz	1	0

Band4	23.20	20175	1732.5	QPSK	3MHz	1	7
Band4	23.17	20175	1732.5	QPSK	3MHz	1	14
Band4	22.74	20175	1732.5	QPSK	3MHz	8	0
Band4	22.79	20175	1732.5	QPSK	3MHz	8	3
Band4	22.82	20175	1732.5	QPSK	3MHz	8	7
Band4	22.25	20175	1732.5	QPSK	3MHz	15	0
Band4	23.22	20385	1753.5	QPSK	3MHz	1	0
Band4	23.21	20385	1753.5	QPSK	3MHz	1	7
Band4	23.22	20385	1753.5	QPSK	3MHz	1	14
Band4	22.80	20385	1753.5	QPSK	3MHz	8	0
Band4	22.84	20385	1753.5	QPSK	3MHz	8	3
Band4	22.78	20385	1753.5	QPSK	3MHz	8	7
Band4	22.28	20385	1753.5	QPSK	3MHz	15	0
Band4	22.48	19965	1711.5	16QAM	3MHz	1	0
Band4	22.52	19965	1711.5	16QAM	3MHz	1	7
Band4	22.53	19965	1711.5	16QAM	3MHz	1	14
Band4	21.76	19965	1711.5	16QAM	3MHz	8	0
Band4	21.77	19965	1711.5	16QAM	3MHz	8	3
Band4	21.73	19965	1711.5	16QAM	3MHz	8	7
Band4	21.27	19965	1711.5	16QAM	3MHz	15	0
Band4	22.50	20175	1732.5	16QAM	3MHz	1	0
Band4	22.54	20175	1732.5	16QAM	3MHz	1	7
Band4	22.56	20175	1732.5	16QAM	3MHz	1	14
Band4	21.73	20175	1732.5	16QAM	3MHz	8	0
Band4	21.73	20175	1732.5	16QAM	3MHz	8	3
Band4	21.77	20175	1732.5	16QAM	3MHz	8	7
Band4	21.22	20175	1732.5	16QAM	3MHz	15	0
Band4	22.49	20385	1753.5	16QAM	3MHz	1	0
Band4	22.49	20385	1753.5	16QAM	3MHz	1	7
Band4	22.50	20385	1753.5	16QAM	3MHz	1	14
Band4	21.75	20385	1753.5	16QAM	3MHz	8	0
Band4	21.78	20385	1753.5	16QAM	3MHz	8	3
Band4	21.74	20385	1753.5	16QAM	3MHz	8	7
Band4	21.28	20385	1753.5	16QAM	3MHz	15	0
Band4	21.66	19965	1711.5	64QAM	3MHz	1	0
Band4	21.61	19965	1711.5	64QAM	3MHz	1	7
Band4	21.54	19965	1711.5	64QAM	3MHz	1	14
Band4	20.73	19965	1711.5	64QAM	3MHz	8	0

Band4	20.88	19965	1711.5	64QAM	3MHz	8	3
Band4	20.87	19965	1711.5	64QAM	3MHz	8	7
Band4	20.31	19965	1711.5	64QAM	3MHz	15	0
Band4	21.76	20175	1732.5	64QAM	3MHz	1	0
Band4	21.79	20175	1732.5	64QAM	3MHz	1	7
Band4	21.75	20175	1732.5	64QAM	3MHz	1	14
Band4	20.95	20175	1732.5	64QAM	3MHz	8	0
Band4	20.92	20175	1732.5	64QAM	3MHz	8	3
Band4	20.89	20175	1732.5	64QAM	3MHz	8	7
Band4	20.38	20175	1732.5	64QAM	3MHz	15	0
Band4	21.61	20385	1753.5	64QAM	3MHz	1	0
Band4	21.62	20385	1753.5	64QAM	3MHz	1	7
Band4	21.63	20385	1753.5	64QAM	3MHz	1	14
Band4	20.93	20385	1753.5	64QAM	3MHz	8	0
Band4	20.94	20385	1753.5	64QAM	3MHz	8	3
Band4	20.85	20385	1753.5	64QAM	3MHz	8	7
Band4	20.48	20385	1753.5	64QAM	3MHz	15	0
Band4	23.22	19975	1712.5	QPSK	5MHz	1	0
Band4	23.09	19975	1712.5	QPSK	5MHz	1	12
Band4	23.17	19975	1712.5	QPSK	5MHz	1	24
Band4	22.70	19975	1712.5	QPSK	5MHz	12	0
Band4	22.78	19975	1712.5	QPSK	5MHz	12	6
Band4	22.76	19975	1712.5	QPSK	5MHz	12	13
Band4	22.26	19975	1712.5	QPSK	5MHz	25	0
Band4	23.18	20175	1732.5	QPSK	5MHz	1	0
Band4	23.14	20175	1732.5	QPSK	5MHz	1	12
Band4	23.09	20175	1732.5	QPSK	5MHz	1	24
Band4	22.74	20175	1732.5	QPSK	5MHz	12	0
Band4	22.71	20175	1732.5	QPSK	5MHz	12	6
Band4	22.74	20175	1732.5	QPSK	5MHz	12	13
Band4	22.17	20175	1732.5	QPSK	5MHz	25	0
Band4	23.17	20375	1752.5	QPSK	5MHz	1	0
Band4	23.08	20375	1752.5	QPSK	5MHz	1	12
Band4	23.12	20375	1752.5	QPSK	5MHz	1	24
Band4	22.71	20375	1752.5	QPSK	5MHz	12	0
Band4	22.76	20375	1752.5	QPSK	5MHz	12	6
Band4	22.73	20375	1752.5	QPSK	5MHz	12	13
Band4	22.24	20375	1752.5	QPSK	5MHz	25	0

Band4	22.47	19975	1712.5	16QAM	5MHz	1	0
Band4	22.43	19975	1712.5	16QAM	5MHz	1	12
Band4	22.52	19975	1712.5	16QAM	5MHz	1	24
Band4	21.62	19975	1712.5	16QAM	5MHz	12	0
Band4	21.72	19975	1712.5	16QAM	5MHz	12	6
Band4	21.68	19975	1712.5	16QAM	5MHz	12	13
Band4	21.32	19975	1712.5	16QAM	5MHz	25	0
Band4	22.50	20175	1732.5	16QAM	5MHz	1	0
Band4	22.47	20175	1732.5	16QAM	5MHz	1	12
Band4	22.41	20175	1732.5	16QAM	5MHz	1	24
Band4	21.60	20175	1732.5	16QAM	5MHz	12	0
Band4	21.58	20175	1732.5	16QAM	5MHz	12	6
Band4	21.62	20175	1732.5	16QAM	5MHz	12	13
Band4	21.20	20175	1732.5	16QAM	5MHz	25	0
Band4	22.47	20375	1752.5	16QAM	5MHz	1	0
Band4	22.40	20375	1752.5	16QAM	5MHz	1	12
Band4	22.42	20375	1752.5	16QAM	5MHz	1	24
Band4	21.57	20375	1752.5	16QAM	5MHz	12	0
Band4	21.65	20375	1752.5	16QAM	5MHz	12	6
Band4	21.60	20375	1752.5	16QAM	5MHz	12	11
Band4	21.25	20375	1752.5	16QAM	5MHz	25	0
Band4	21.65	19975	1712.5	64QAM	5MHz	1	0
Band4	21.63	19975	1712.5	64QAM	5MHz	1	12
Band4	21.51	19975	1712.5	64QAM	5MHz	1	24
Band4	20.70	19975	1712.5	64QAM	5MHz	12	0
Band4	20.79	19975	1712.5	64QAM	5MHz	12	6
Band4	20.79	19975	1712.5	64QAM	5MHz	12	13
Band4	20.31	19975	1712.5	64QAM	5MHz	25	0
Band4	21.78	20175	1732.5	64QAM	5MHz	1	0
Band4	21.80	20175	1732.5	64QAM	5MHz	1	12
Band4	21.73	20175	1732.5	64QAM	5MHz	1	24
Band4	20.85	20175	1732.5	64QAM	5MHz	12	0
Band4	20.81	20175	1732.5	64QAM	5MHz	12	6
Band4	20.82	20175	1732.5	64QAM	5MHz	12	13
Band4	20.39	20175	1732.5	64QAM	5MHz	25	0
Band4	21.64	20375	1752.5	64QAM	5MHz	1	0
Band4	21.64	20375	1752.5	64QAM	5MHz	1	12
Band4	21.65	20375	1752.5	64QAM	5MHz	1	24

Band4	20.83	20375	1752.5	64QAM	5MHz	12	0
Band4	20.95	20375	1752.5	64QAM	5MHz	12	6
Band4	20.78	20375	1752.5	64QAM	5MHz	12	11
Band4	20.56	20375	1752.5	64QAM	5MHz	25	0
Band4	23.20	20000	1715	QPSK	10MHz	1	0
Band4	23.14	20000	1715	QPSK	10MHz	1	24
Band4	23.10	20000	1715	QPSK	10MHz	1	49
Band4	22.79	20000	1715	QPSK	10MHz	25	0
Band4	22.79	20000	1715	QPSK	10MHz	25	12
Band4	22.78	20000	1715	QPSK	10MHz	25	25
Band4	22.26	20000	1715	QPSK	10MHz	50	0
Band4	23.21	20175	1732.5	QPSK	10MHz	1	0
Band4	23.19	20175	1732.5	QPSK	10MHz	1	24
Band4	23.15	20175	1732.5	QPSK	10MHz	1	49
Band4	22.82	20175	1732.5	QPSK	10MHz	25	0
Band4	22.82	20175	1732.5	QPSK	10MHz	25	12
Band4	22.83	20175	1732.5	QPSK	10MHz	25	25
Band4	22.27	20175	1732.5	QPSK	10MHz	50	0
Band4	23.19	20350	1750	QPSK	10MHz	1	0
Band4	23.20	20350	1750	QPSK	10MHz	1	24
Band4	23.15	20350	1750	QPSK	10MHz	1	49
Band4	22.77	20350	1750	QPSK	10MHz	25	0
Band4	22.85	20350	1750	QPSK	10MHz	25	12
Band4	22.83	20350	1750	QPSK	10MHz	25	25
Band4	22.24	20350	1750	QPSK	10MHz	50	0
Band4	22.54	20000	1715	16QAM	10MHz	1	0
Band4	22.47	20000	1715	16QAM	10MHz	1	24
Band4	22.56	20000	1715	16QAM	10MHz	1	49
Band4	21.68	20000	1715	16QAM	10MHz	25	0
Band4	21.74	20000	1715	16QAM	10MHz	25	12
Band4	21.72	20000	1715	16QAM	10MHz	25	25
Band4	21.31	20000	1715	16QAM	10MHz	50	0
Band4	22.54	20175	1732.5	16QAM	10MHz	1	0
Band4	22.48	20175	1732.5	16QAM	10MHz	1	24
Band4	22.47	20175	1732.5	16QAM	10MHz	1	49
Band4	21.65	20175	1732.5	16QAM	10MHz	25	0
Band4	21.70	20175	1732.5	16QAM	10MHz	25	12
Band4	21.73	20175	1732.5	16QAM	10MHz	25	25

Band4	21.25	20175	1732.5	16QAM	10MHz	50	0
Band4	22.57	20350	1750	16QAM	10MHz	1	0
Band4	22.52	20350	1750	16QAM	10MHz	1	24
Band4	22.55	20350	1750	16QAM	10MHz	1	49
Band4	21.67	20350	1750	16QAM	10MHz	25	0
Band4	21.76	20350	1750	16QAM	10MHz	25	12
Band4	21.69	20350	1750	16QAM	10MHz	25	25
Band4	21.24	20350	1750	16QAM	10MHz	50	0
Band4	21.68	20000	1715	64QAM	10MHz	1	0
Band4	21.67	20000	1715	64QAM	10MHz	1	24
Band4	21.46	20000	1715	64QAM	10MHz	1	49
Band4	20.67	20000	1715	64QAM	10MHz	25	0
Band4	20.79	20000	1715	64QAM	10MHz	25	12
Band4	20.77	20000	1715	64QAM	10MHz	25	25
Band4	20.35	20000	1715	64QAM	10MHz	50	0
Band4	21.72	20175	1732.5	64QAM	10MHz	1	0
Band4	21.72	20175	1732.5	64QAM	10MHz	1	24
Band4	21.75	20175	1732.5	64QAM	10MHz	1	49
Band4	20.82	20175	1732.5	64QAM	10MHz	25	0
Band4	20.80	20175	1732.5	64QAM	10MHz	25	12
Band4	20.87	20175	1732.5	64QAM	10MHz	25	25
Band4	20.42	20175	1732.5	64QAM	10MHz	50	0
Band4	21.64	20350	1750	64QAM	10MHz	1	0
Band4	21.60	20350	1750	64QAM	10MHz	1	24
Band4	21.68	20350	1750	64QAM	10MHz	1	49
Band4	20.83	20350	1750	64QAM	10MHz	25	0
Band4	20.94	20350	1750	64QAM	10MHz	25	12
Band4	20.80	20350	1750	64QAM	10MHz	25	25
Band4	20.53	20350	1750	64QAM	10MHz	50	0
Band4	23.23	20025	1717.5	QPSK	15MHz	1	0
Band4	23.15	20025	1717.5	QPSK	15MHz	1	37
Band4	23.21	20025	1717.5	QPSK	15MHz	1	74
Band4	22.72	20025	1717.5	QPSK	15MHz	36	0
Band4	22.82	20025	1717.5	QPSK	15MHz	36	19
Band4	22.80	20025	1717.5	QPSK	15MHz	36	39
Band4	22.25	20025	1717.5	QPSK	15MHz	75	0
Band4	23.16	20175	1732.5	QPSK	15MHz	1	0
Band4	23.19	20175	1732.5	QPSK	15MHz	1	37

Band4	23.18	20175	1732.5	QPSK	15MHz	1	74
Band4	22.78	20175	1732.5	QPSK	15MHz	36	0
Band4	22.77	20175	1732.5	QPSK	15MHz	36	19
Band4	22.81	20175	1732.5	QPSK	15MHz	36	39
Band4	22.23	20175	1732.5	QPSK	15MHz	75	0
Band4	23.21	20325	1747.5	QPSK	15MHz	1	0
Band4	23.18	20325	1747.5	QPSK	15MHz	1	37
Band4	23.15	20325	1747.5	QPSK	15MHz	1	74
Band4	22.75	20325	1747.5	QPSK	15MHz	36	0
Band4	22.76	20325	1747.5	QPSK	15MHz	36	19
Band4	22.80	20325	1747.5	QPSK	15MHz	36	39
Band4	22.23	20325	1747.5	QPSK	15MHz	75	0
Band4	22.52	20025	1717.5	16QAM	15MHz	1	0
Band4	22.50	20025	1717.5	16QAM	15MHz	1	37
Band4	22.62	20025	1717.5	16QAM	15MHz	1	74
Band4	21.64	20025	1717.5	16QAM	15MHz	36	0
Band4	21.74	20025	1717.5	16QAM	15MHz	36	19
Band4	21.73	20025	1717.5	16QAM	15MHz	36	39
Band4	21.32	20025	1717.5	16QAM	15MHz	75	0
Band4	22.52	20175	1732.5	16QAM	15MHz	1	0
Band4	22.45	20175	1732.5	16QAM	15MHz	1	37
Band4	22.44	20175	1732.5	16QAM	15MHz	1	74
Band4	21.66	20175	1732.5	16QAM	15MHz	36	0
Band4	21.64	20175	1732.5	16QAM	15MHz	36	19
Band4	21.67	20175	1732.5	16QAM	15MHz	36	39
Band4	21.25	20175	1732.5	16QAM	15MHz	75	0
Band4	22.53	20325	1747.5	16QAM	15MHz	1	0
Band4	22.55	20325	1747.5	16QAM	15MHz	1	37
Band4	22.52	20325	1747.5	16QAM	15MHz	1	74
Band4	21.65	20325	1747.5	16QAM	15MHz	36	0
Band4	21.64	20325	1747.5	16QAM	15MHz	36	19
Band4	21.67	20325	1747.5	16QAM	15MHz	36	39
Band4	21.20	20325	1747.5	16QAM	15MHz	75	0
Band4	21.63	20025	1717.5	64QAM	15MHz	1	0
Band4	21.59	20025	1717.5	64QAM	15MHz	1	37
Band4	21.54	20025	1717.5	64QAM	15MHz	1	74
Band4	20.70	20025	1717.5	64QAM	15MHz	36	0
Band4	20.80	20025	1717.5	64QAM	15MHz	36	19

Band4	20.77	20025	1717.5	64QAM	15MHz	36	39
Band4	20.40	20025	1717.5	64QAM	15MHz	75	0
Band4	21.71	20175	1732.5	64QAM	15MHz	1	0
Band4	21.72	20175	1732.5	64QAM	15MHz	1	37
Band4	21.71	20175	1732.5	64QAM	15MHz	1	74
Band4	20.81	20175	1732.5	64QAM	15MHz	36	0
Band4	20.82	20175	1732.5	64QAM	15MHz	36	19
Band4	20.83	20175	1732.5	64QAM	15MHz	36	39
Band4	20.46	20175	1732.5	64QAM	15MHz	75	0
Band4	21.68	20325	1747.5	64QAM	15MHz	1	0
Band4	21.68	20325	1747.5	64QAM	15MHz	1	37
Band4	21.65	20325	1747.5	64QAM	15MHz	1	74
Band4	20.89	20325	1747.5	64QAM	15MHz	36	0
Band4	20.89	20325	1747.5	64QAM	15MHz	36	19
Band4	20.76	20325	1747.5	64QAM	15MHz	36	39
Band4	20.48	20325	1747.5	64QAM	15MHz	75	0
Band4	23.24	20050	1720	QPSK	20MHz	1	0
Band4	23.21	20050	1720	QPSK	20MHz	1	49
Band4	23.11	20050	1720	QPSK	20MHz	1	99
Band4	22.75	20050	1720	QPSK	20MHz	50	0
Band4	22.74	20050	1720	QPSK	20MHz	50	25
Band4	22.74	20050	1720	QPSK	20MHz	50	50
Band4	22.21	20050	1720	QPSK	20MHz	100	0
Band4	23.27	20175	1732.5	QPSK	20MHz	1	0
Band4	23.23	20175	1732.5	QPSK	20MHz	1	49
Band4	23.20	20175	1732.5	QPSK	20MHz	1	99
Band4	22.73	20175	1732.5	QPSK	20MHz	50	0
Band4	22.74	20175	1732.5	QPSK	20MHz	50	25
Band4	22.78	20175	1732.5	QPSK	20MHz	50	50
Band4	22.22	20175	1732.5	QPSK	20MHz	100	0
Band4	23.21	20300	1745	QPSK	20MHz	1	0
Band4	23.18	20300	1745	QPSK	20MHz	1	49
Band4	23.18	20300	1745	QPSK	20MHz	1	99
Band4	22.79	20300	1745	QPSK	20MHz	50	0
Band4	22.83	20300	1745	QPSK	20MHz	50	25
Band4	22.81	20300	1745	QPSK	20MHz	50	50
Band4	22.27	20300	1745	QPSK	20MHz	100	0
Band4	22.51	20050	1720	16QAM	20MHz	1	0

Band4	22.43	20050	1720	16QAM	20MHz	1	49
Band4	22.48	20050	1720	16QAM	20MHz	1	99
Band4	21.71	20050	1720	16QAM	20MHz	50	0
Band4	21.70	20050	1720	16QAM	20MHz	50	25
Band4	21.68	20050	1720	16QAM	20MHz	50	50
Band4	21.27	20050	1720	16QAM	20MHz	100	0
Band4	22.53	20175	1732.5	16QAM	20MHz	1	0
Band4	22.53	20175	1732.5	16QAM	20MHz	1	49
Band4	22.56	20175	1732.5	16QAM	20MHz	1	99
Band4	21.63	20175	1732.5	16QAM	20MHz	50	0
Band4	21.66	20175	1732.5	16QAM	20MHz	50	25
Band4	21.72	20175	1732.5	16QAM	20MHz	50	50
Band4	21.19	20175	1732.5	16QAM	20MHz	100	0
Band4	22.52	20300	1745	16QAM	20MHz	1	0
Band4	22.48	20300	1745	16QAM	20MHz	1	49
Band4	22.51	20300	1745	16QAM	20MHz	1	99
Band4	21.72	20300	1745	16QAM	20MHz	50	0
Band4	21.74	20300	1745	16QAM	20MHz	50	25
Band4	21.67	20300	1745	16QAM	20MHz	50	50
Band4	21.31	20300	1745	16QAM	20MHz	100	0
Band4	21.66	20050	1720	64QAM	20MHz	1	0
Band4	21.62	20050	1720	64QAM	20MHz	1	49
Band4	21.51	20050	1720	64QAM	20MHz	1	99
Band4	20.71	20050	1720	64QAM	20MHz	50	0
Band4	20.75	20050	1720	64QAM	20MHz	50	25
Band4	20.71	20050	1720	64QAM	20MHz	50	50
Band4	20.40	20050	1720	64QAM	20MHz	100	0
Band4	21.77	20175	1732.5	64QAM	20MHz	1	0
Band4	21.76	20175	1732.5	64QAM	20MHz	1	49
Band4	21.75	20175	1732.5	64QAM	20MHz	1	99
Band4	20.84	20175	1732.5	64QAM	20MHz	50	0
Band4	20.76	20175	1732.5	64QAM	20MHz	50	25
Band4	20.86	20175	1732.5	64QAM	20MHz	50	50
Band4	20.44	20175	1732.5	64QAM	20MHz	100	0
Band4	21.65	20300	1745	64QAM	20MHz	1	0
Band4	21.68	20300	1745	64QAM	20MHz	1	49
Band4	21.62	20300	1745	64QAM	20MHz	1	99
Band4	20.88	20300	1745	64QAM	20MHz	50	0

Band4	20.96	20300	1745	64QAM	20MHz	50	25
Band4	20.75	20300	1745	64QAM	20MHz	50	50
Band4	20.51	20300	1745	64QAM	20MHz	100	0
Band5	23.16	20407	824.7	QPSK	1.4MHz	1	0
Band5	23.09	20407	824.7	QPSK	1.4MHz	1	2
Band5	23.03	20407	824.7	QPSK	1.4MHz	1	5
Band5	22.85	20407	824.7	QPSK	1.4MHz	3	0
Band5	22.91	20407	824.7	QPSK	1.4MHz	3	1
Band5	22.87	20407	824.7	QPSK	1.4MHz	3	3
Band5	22.18	20407	824.7	QPSK	1.4MHz	6	0
Band5	23.17	20525	836.5	QPSK	1.4MHz	1	0
Band5	23.06	20525	836.5	QPSK	1.4MHz	1	2
Band5	23.08	20525	836.5	QPSK	1.4MHz	1	5
Band5	22.86	20525	836.5	QPSK	1.4MHz	3	0
Band5	22.91	20525	836.5	QPSK	1.4MHz	3	1
Band5	22.90	20525	836.5	QPSK	1.4MHz	3	3
Band5	22.09	20525	836.5	QPSK	1.4MHz	6	0
Band5	23.15	20643	848.3	QPSK	1.4MHz	1	0
Band5	23.09	20643	848.3	QPSK	1.4MHz	1	2
Band5	23.08	20643	848.3	QPSK	1.4MHz	1	5
Band5	22.84	20643	848.3	QPSK	1.4MHz	3	0
Band5	22.92	20643	848.3	QPSK	1.4MHz	3	1
Band5	22.86	20643	848.3	QPSK	1.4MHz	3	3
Band5	22.15	20643	848.3	QPSK	1.4MHz	6	0
Band5	22.47	20407	824.7	16QAM	1.4MHz	1	0
Band5	22.46	20407	824.7	16QAM	1.4MHz	1	2
Band5	22.43	20407	824.7	16QAM	1.4MHz	1	5
Band5	21.86	20407	824.7	16QAM	1.4MHz	3	0
Band5	21.89	20407	824.7	16QAM	1.4MHz	3	1
Band5	21.82	20407	824.7	16QAM	1.4MHz	3	3
Band5	21.25	20407	824.7	16QAM	1.4MHz	6	0
Band5	22.53	20525	836.5	16QAM	1.4MHz	1	0
Band5	22.49	20525	836.5	16QAM	1.4MHz	1	2
Band5	22.48	20525	836.5	16QAM	1.4MHz	1	5
Band5	21.85	20525	836.5	16QAM	1.4MHz	3	0
Band5	21.91	20525	836.5	16QAM	1.4MHz	3	1
Band5	21.91	20525	836.5	16QAM	1.4MHz	3	3
Band5	21.15	20525	836.5	16QAM	1.4MHz	6	0

Band5	22.46	20643	848.3	16QAM	1.4MHz	1	0
Band5	22.42	20643	848.3	16QAM	1.4MHz	1	2
Band5	22.37	20643	848.3	16QAM	1.4MHz	1	5
Band5	21.78	20643	848.3	16QAM	1.4MHz	3	0
Band5	21.83	20643	848.3	16QAM	1.4MHz	3	1
Band5	21.79	20643	848.3	16QAM	1.4MHz	3	3
Band5	21.18	20643	848.3	16QAM	1.4MHz	6	0
Band5	21.75	20407	824.7	64QAM	1.4MHz	1	0
Band5	21.75	20407	824.7	64QAM	1.4MHz	1	2
Band5	21.75	20407	824.7	64QAM	1.4MHz	1	5
Band5	20.79	20407	824.7	64QAM	1.4MHz	3	0
Band5	20.88	20407	824.7	64QAM	1.4MHz	3	1
Band5	20.75	20407	824.7	64QAM	1.4MHz	3	3
Band5	20.49	20407	824.7	64QAM	1.4MHz	6	0
Band5	21.83	20525	836.5	64QAM	1.4MHz	1	0
Band5	21.79	20525	836.5	64QAM	1.4MHz	1	2
Band5	21.78	20525	836.5	64QAM	1.4MHz	1	5
Band5	20.79	20525	836.5	64QAM	1.4MHz	3	0
Band5	20.83	20525	836.5	64QAM	1.4MHz	3	1
Band5	20.84	20525	836.5	64QAM	1.4MHz	3	3
Band5	20.50	20525	836.5	64QAM	1.4MHz	6	0
Band5	21.70	20643	848.3	64QAM	1.4MHz	1	0
Band5	21.73	20643	848.3	64QAM	1.4MHz	1	2
Band5	21.62	20643	848.3	64QAM	1.4MHz	1	5
Band5	20.71	20643	848.3	64QAM	1.4MHz	3	0
Band5	20.83	20643	848.3	64QAM	1.4MHz	3	1
Band5	20.78	20643	848.3	64QAM	1.4MHz	3	3
Band5	20.48	20643	848.3	64QAM	1.4MHz	6	0
Band5	23.19	20415	825.5	QPSK	3MHz	1	0
Band5	23.18	20415	825.5	QPSK	3MHz	1	7
Band5	23.17	20415	825.5	QPSK	3MHz	1	14
Band5	22.95	20415	825.5	QPSK	3MHz	8	0
Band5	22.97	20415	825.5	QPSK	3MHz	8	3
Band5	22.92	20415	825.5	QPSK	3MHz	8	7
Band5	22.21	20415	825.5	QPSK	3MHz	15	0
Band5	23.23	20525	836.5	QPSK	3MHz	1	0
Band5	23.20	20525	836.5	QPSK	3MHz	1	7
Band5	23.18	20525	836.5	QPSK	3MHz	1	14

Band5	22.93	20525	836.5	QPSK	3MHz	8	0
Band5	22.93	20525	836.5	QPSK	3MHz	8	3
Band5	22.86	20525	836.5	QPSK	3MHz	8	7
Band5	22.12	20525	836.5	QPSK	3MHz	15	0
Band5	23.19	20635	847.5	QPSK	3MHz	1	0
Band5	23.16	20635	847.5	QPSK	3MHz	1	7
Band5	23.11	20635	847.5	QPSK	3MHz	1	14
Band5	22.92	20635	847.5	QPSK	3MHz	8	0
Band5	22.93	20635	847.5	QPSK	3MHz	8	3
Band5	22.92	20635	847.5	QPSK	3MHz	8	7
Band5	22.16	20635	847.5	QPSK	3MHz	15	0
Band5	22.48	20415	825.5	16QAM	3MHz	1	0
Band5	22.43	20415	825.5	16QAM	3MHz	1	7
Band5	22.38	20415	825.5	16QAM	3MHz	1	14
Band5	21.77	20415	825.5	16QAM	3MHz	8	0
Band5	21.79	20415	825.5	16QAM	3MHz	8	3
Band5	21.82	20415	825.5	16QAM	3MHz	8	7
Band5	21.21	20415	825.5	16QAM	3MHz	15	0
Band5	22.54	20525	836.5	16QAM	3MHz	1	0
Band5	22.48	20525	836.5	16QAM	3MHz	1	7
Band5	22.46	20525	836.5	16QAM	3MHz	1	14
Band5	21.78	20525	836.5	16QAM	3MHz	8	0
Band5	21.75	20525	836.5	16QAM	3MHz	8	3
Band5	21.83	20525	836.5	16QAM	3MHz	8	7
Band5	21.20	20525	836.5	16QAM	3MHz	15	0
Band5	22.47	20635	847.5	16QAM	3MHz	1	0
Band5	22.40	20635	847.5	16QAM	3MHz	1	7
Band5	22.36	20635	847.5	16QAM	3MHz	1	14
Band5	21.78	20635	847.5	16QAM	3MHz	8	0
Band5	21.75	20635	847.5	16QAM	3MHz	8	3
Band5	21.74	20635	847.5	16QAM	3MHz	8	7
Band5	21.18	20635	847.5	16QAM	3MHz	15	0
Band5	21.76	20415	825.5	64QAM	3MHz	1	0
Band5	21.71	20415	825.5	64QAM	3MHz	1	7
Band5	21.67	20415	825.5	64QAM	3MHz	1	14
Band5	20.84	20415	825.5	64QAM	3MHz	8	0
Band5	20.88	20415	825.5	64QAM	3MHz	8	3
Band5	20.78	20415	825.5	64QAM	3MHz	8	7

Band5	20.57	20415	825.5	64QAM	3MHz	15	0
Band5	21.83	20525	836.5	64QAM	3MHz	1	0
Band5	21.80	20525	836.5	64QAM	3MHz	1	7
Band5	21.77	20525	836.5	64QAM	3MHz	1	14
Band5	20.85	20525	836.5	64QAM	3MHz	8	0
Band5	20.90	20525	836.5	64QAM	3MHz	8	3
Band5	20.85	20525	836.5	64QAM	3MHz	8	7
Band5	20.51	20525	836.5	64QAM	3MHz	15	0
Band5	21.74	20635	847.5	64QAM	3MHz	1	0
Band5	21.65	20635	847.5	64QAM	3MHz	1	7
Band5	21.62	20635	847.5	64QAM	3MHz	1	14
Band5	20.69	20635	847.5	64QAM	3MHz	8	0
Band5	20.78	20635	847.5	64QAM	3MHz	8	3
Band5	20.73	20635	847.5	64QAM	3MHz	8	7
Band5	20.54	20635	847.5	64QAM	3MHz	15	0
Band5	23.17	20425	826.5	QPSK	5MHz	1	0
Band5	23.12	20425	826.5	QPSK	5MHz	1	12
Band5	23.09	20425	826.5	QPSK	5MHz	1	24
Band5	22.89	20425	826.5	QPSK	5MHz	12	0
Band5	22.86	20425	826.5	QPSK	5MHz	12	6
Band5	22.84	20425	826.5	QPSK	5MHz	12	13
Band5	22.29	20425	826.5	QPSK	5MHz	25	0
Band5	23.18	20525	836.5	QPSK	5MHz	1	0
Band5	23.14	20525	836.5	QPSK	5MHz	1	12
Band5	23.10	20525	836.5	QPSK	5MHz	1	24
Band5	22.98	20525	836.5	QPSK	5MHz	12	0
Band5	22.93	20525	836.5	QPSK	5MHz	12	6
Band5	22.88	20525	836.5	QPSK	5MHz	12	13
Band5	22.23	20525	836.5	QPSK	5MHz	25	0
Band5	23.16	20625	846.5	QPSK	5MHz	1	0
Band5	23.11	20625	846.5	QPSK	5MHz	1	12
Band5	23.07	20625	846.5	QPSK	5MHz	1	24
Band5	22.93	20625	846.5	QPSK	5MHz	12	0
Band5	22.93	20625	846.5	QPSK	5MHz	12	6
Band5	22.97	20625	846.5	QPSK	5MHz	12	13
Band5	22.19	20625	846.5	QPSK	5MHz	25	0
Band5	22.56	20425	826.5	16QAM	5MHz	1	0
Band5	22.48	20425	826.5	16QAM	5MHz	1	12

Band5	22.47	20425	826.5	16QAM	5MHz	1	24
Band5	21.68	20425	826.5	16QAM	5MHz	12	0
Band5	21.79	20425	826.5	16QAM	5MHz	12	6
Band5	21.80	20425	826.5	16QAM	5MHz	12	13
Band5	21.29	20425	826.5	16QAM	5MHz	25	0
Band5	22.51	20525	836.5	16QAM	5MHz	1	0
Band5	22.47	20525	836.5	16QAM	5MHz	1	12
Band5	22.44	20525	836.5	16QAM	5MHz	1	24
Band5	21.74	20525	836.5	16QAM	5MHz	12	0
Band5	21.77	20525	836.5	16QAM	5MHz	12	6
Band5	21.78	20525	836.5	16QAM	5MHz	12	13
Band5	21.26	20525	836.5	16QAM	5MHz	25	0
Band5	22.54	20625	846.5	16QAM	5MHz	1	0
Band5	22.48	20625	846.5	16QAM	5MHz	1	12
Band5	22.46	20625	846.5	16QAM	5MHz	1	24
Band5	21.70	20625	846.5	16QAM	5MHz	12	0
Band5	21.70	20625	846.5	16QAM	5MHz	12	6
Band5	21.72	20625	846.5	16QAM	5MHz	12	11
Band5	21.26	20625	846.5	16QAM	5MHz	25	0
Band5	21.78	20425	826.5	64QAM	5MHz	1	0
Band5	21.73	20425	826.5	64QAM	5MHz	1	12
Band5	21.67	20425	826.5	64QAM	5MHz	1	24
Band5	20.85	20425	826.5	64QAM	5MHz	12	0
Band5	20.88	20425	826.5	64QAM	5MHz	12	6
Band5	20.80	20425	826.5	64QAM	5MHz	12	13
Band5	20.54	20425	826.5	64QAM	5MHz	25	0
Band5	21.80	20525	836.5	64QAM	5MHz	1	0
Band5	21.77	20525	836.5	64QAM	5MHz	1	12
Band5	21.77	20525	836.5	64QAM	5MHz	1	24
Band5	20.83	20525	836.5	64QAM	5MHz	12	0
Band5	20.86	20525	836.5	64QAM	5MHz	12	6
Band5	20.82	20525	836.5	64QAM	5MHz	12	13
Band5	20.47	20525	836.5	64QAM	5MHz	25	0
Band5	21.71	20625	846.5	64QAM	5MHz	1	0
Band5	21.68	20625	846.5	64QAM	5MHz	1	12
Band5	21.64	20625	846.5	64QAM	5MHz	1	24
Band5	20.75	20625	846.5	64QAM	5MHz	12	0
Band5	20.80	20625	846.5	64QAM	5MHz	12	6

Band5	20.76	20625	846.5	64QAM	5MHz	12	11
Band5	20.52	20625	846.5	64QAM	5MHz	25	0
Band5	23.23	20450	829	QPSK	10MHz	1	0
Band5	23.20	20450	829	QPSK	10MHz	1	24
Band5	23.18	20450	829	QPSK	10MHz	1	49
Band5	22.99	20450	829	QPSK	10MHz	25	0
Band5	22.96	20450	829	QPSK	10MHz	25	12
Band5	22.99	20450	829	QPSK	10MHz	25	25
Band5	22.24	20450	829	QPSK	10MHz	50	0
Band5	23.25	20525	836.5	QPSK	10MHz	1	0
Band5	23.23	20525	836.5	QPSK	10MHz	1	24
Band5	23.21	20525	836.5	QPSK	10MHz	1	49
Band5	22.97	20525	836.5	QPSK	10MHz	25	0
Band5	22.94	20525	836.5	QPSK	10MHz	25	12
Band5	22.84	20525	836.5	QPSK	10MHz	25	25
Band5	22.21	20525	836.5	QPSK	10MHz	50	0
Band5	23.20	20600	844	QPSK	10MHz	1	0
Band5	23.18	20600	844	QPSK	10MHz	1	24
Band5	23.06	20600	844	QPSK	10MHz	1	49
Band5	22.91	20600	844	QPSK	10MHz	25	0
Band5	22.89	20600	844	QPSK	10MHz	25	12
Band5	22.94	20600	844	QPSK	10MHz	25	25
Band5	22.15	20600	844	QPSK	10MHz	50	0
Band5	22.53	20450	829	16QAM	10MHz	1	0
Band5	22.42	20450	829	16QAM	10MHz	1	24
Band5	22.48	20450	829	16QAM	10MHz	1	49
Band5	21.81	20450	829	16QAM	10MHz	25	0
Band5	21.77	20450	829	16QAM	10MHz	25	12
Band5	21.78	20450	829	16QAM	10MHz	25	25
Band5	21.26	20450	829	16QAM	10MHz	50	0
Band5	22.52	20525	836.5	16QAM	10MHz	1	0
Band5	22.43	20525	836.5	16QAM	10MHz	1	24
Band5	22.51	20525	836.5	16QAM	10MHz	1	49
Band5	21.77	20525	836.5	16QAM	10MHz	25	0
Band5	21.74	20525	836.5	16QAM	10MHz	25	12
Band5	21.82	20525	836.5	16QAM	10MHz	25	25
Band5	21.19	20525	836.5	16QAM	10MHz	50	0
Band5	22.52	20600	844	16QAM	10MHz	1	0

Band5	22.47	20600	844	16QAM	10MHz	1	24
Band5	22.50	20600	844	16QAM	10MHz	1	49
Band5	21.81	20600	844	16QAM	10MHz	25	0
Band5	21.80	20600	844	16QAM	10MHz	25	12
Band5	21.89	20600	844	16QAM	10MHz	25	25
Band5	21.23	20600	844	16QAM	10MHz	50	0
Band5	21.71	20450	829	64QAM	10MHz	1	0
Band5	21.76	20450	829	64QAM	10MHz	1	24
Band5	21.72	20450	829	64QAM	10MHz	1	49
Band5	20.79	20450	829	64QAM	10MHz	25	0
Band5	20.85	20450	829	64QAM	10MHz	25	12
Band5	20.82	20450	829	64QAM	10MHz	25	25
Band5	20.51	20450	829	64QAM	10MHz	50	0
Band5	21.78	20525	836.5	64QAM	10MHz	1	0
Band5	21.72	20525	836.5	64QAM	10MHz	1	24
Band5	21.76	20525	836.5	64QAM	10MHz	1	49
Band5	20.82	20525	836.5	64QAM	10MHz	25	0
Band5	20.88	20525	836.5	64QAM	10MHz	25	12
Band5	20.83	20525	836.5	64QAM	10MHz	25	25
Band5	20.51	20525	836.5	64QAM	10MHz	50	0
Band5	21.76	20600	844	64QAM	10MHz	1	0
Band5	21.72	20600	844	64QAM	10MHz	1	24
Band5	21.62	20600	844	64QAM	10MHz	1	49
Band5	20.77	20600	844	64QAM	10MHz	25	0
Band5	20.81	20600	844	64QAM	10MHz	25	12
Band5	20.77	20600	844	64QAM	10MHz	25	25
Band5	20.50	20600	844	64QAM	10MHz	50	0
Band7	22.99	20775	2502.5	QPSK	5MHz	1	0
Band7	22.96	20775	2502.5	QPSK	5MHz	1	12
Band7	22.91	20775	2502.5	QPSK	5MHz	1	24
Band7	22.65	20775	2502.5	QPSK	5MHz	12	0
Band7	22.76	20775	2502.5	QPSK	5MHz	12	6
Band7	22.77	20775	2502.5	QPSK	5MHz	12	13
Band7	22.03	20775	2502.5	QPSK	5MHz	25	0
Band7	23.02	21100	2535	QPSK	5MHz	1	0
Band7	22.97	21100	2535	QPSK	5MHz	1	12
Band7	22.90	21100	2535	QPSK	5MHz	1	24
Band7	22.55	21100	2535	QPSK	5MHz	12	0

Band7	22.63	21100	2535	QPSK	5MHz	12	6
Band7	22.66	21100	2535	QPSK	5MHz	12	13
Band7	21.86	21100	2535	QPSK	5MHz	25	0
Band7	23.06	21425	2567.5	QPSK	5MHz	1	0
Band7	23.01	21425	2567.5	QPSK	5MHz	1	12
Band7	22.99	21425	2567.5	QPSK	5MHz	1	24
Band7	22.68	21425	2567.5	QPSK	5MHz	12	0
Band7	22.79	21425	2567.5	QPSK	5MHz	12	6
Band7	22.83	21425	2567.5	QPSK	5MHz	12	13
Band7	22.02	21425	2567.5	QPSK	5MHz	25	0
Band7	22.31	20775	2502.5	16QAM	5MHz	1	0
Band7	22.25	20775	2502.5	16QAM	5MHz	1	12
Band7	22.16	20775	2502.5	16QAM	5MHz	1	24
Band7	21.92	20775	2502.5	16QAM	5MHz	12	0
Band7	21.82	20775	2502.5	16QAM	5MHz	12	6
Band7	21.77	20775	2502.5	16QAM	5MHz	12	13
Band7	21.02	20775	2502.5	16QAM	5MHz	25	0
Band7	22.27	21100	2535	16QAM	5MHz	1	0
Band7	22.20	21100	2535	16QAM	5MHz	1	12
Band7	22.18	21100	2535	16QAM	5MHz	1	24
Band7	21.84	21100	2535	16QAM	5MHz	12	0
Band7	21.71	21100	2535	16QAM	5MHz	12	6
Band7	21.69	21100	2535	16QAM	5MHz	12	13
Band7	20.89	21100	2535	16QAM	5MHz	25	0
Band7	22.29	21425	2567.5	16QAM	5MHz	1	0
Band7	22.26	21425	2567.5	16QAM	5MHz	1	12
Band7	22.25	21425	2567.5	16QAM	5MHz	1	24
Band7	21.96	21425	2567.5	16QAM	5MHz	12	0
Band7	21.85	21425	2567.5	16QAM	5MHz	12	6
Band7	21.76	21425	2567.5	16QAM	5MHz	12	11
Band7	21.02	21425	2567.5	16QAM	5MHz	25	0
Band7	21.54	20775	2502.5	64QAM	5MHz	1	0
Band7	21.55	20775	2502.5	64QAM	5MHz	1	12
Band7	21.43	20775	2502.5	64QAM	5MHz	1	24
Band7	20.76	20775	2502.5	64QAM	5MHz	12	0
Band7	20.85	20775	2502.5	64QAM	5MHz	12	6
Band7	20.89	20775	2502.5	64QAM	5MHz	12	13
Band7	20.29	20775	2502.5	64QAM	5MHz	25	0

Band7	21.54	21100	2535	64QAM	5MHz	1	0
Band7	21.48	21100	2535	64QAM	5MHz	1	12
Band7	21.49	21100	2535	64QAM	5MHz	1	24
Band7	20.64	21100	2535	64QAM	5MHz	12	0
Band7	20.67	21100	2535	64QAM	5MHz	12	6
Band7	20.73	21100	2535	64QAM	5MHz	12	13
Band7	20.13	21100	2535	64QAM	5MHz	25	0
Band7	21.52	21425	2567.5	64QAM	5MHz	1	0
Band7	21.51	21425	2567.5	64QAM	5MHz	1	12
Band7	21.51	21425	2567.5	64QAM	5MHz	1	24
Band7	20.72	21425	2567.5	64QAM	5MHz	12	0
Band7	20.79	21425	2567.5	64QAM	5MHz	12	6
Band7	20.94	21425	2567.5	64QAM	5MHz	12	11
Band7	20.29	21425	2567.5	64QAM	5MHz	25	0
Band7	23.02	20800	2505	QPSK	10MHz	1	0
Band7	23.00	20800	2505	QPSK	10MHz	1	24
Band7	22.96	20800	2505	QPSK	10MHz	1	49
Band7	22.64	20800	2505	QPSK	10MHz	25	0
Band7	22.78	20800	2505	QPSK	10MHz	25	12
Band7	22.78	20800	2505	QPSK	10MHz	25	25
Band7	22.02	20800	2505	QPSK	10MHz	50	0
Band7	22.99	21100	2535	QPSK	10MHz	1	0
Band7	22.97	21100	2535	QPSK	10MHz	1	24
Band7	22.92	21100	2535	QPSK	10MHz	1	49
Band7	22.61	21100	2535	QPSK	10MHz	25	0
Band7	22.66	21100	2535	QPSK	10MHz	25	12
Band7	22.62	21100	2535	QPSK	10MHz	25	25
Band7	21.90	21100	2535	QPSK	10MHz	50	0
Band7	23.04	21400	2565	QPSK	10MHz	1	0
Band7	22.99	21400	2565	QPSK	10MHz	1	24
Band7	22.96	21400	2565	QPSK	10MHz	1	49
Band7	22.69	21400	2565	QPSK	10MHz	25	0
Band7	22.75	21400	2565	QPSK	10MHz	25	12
Band7	22.79	21400	2565	QPSK	10MHz	25	25
Band7	22.01	21400	2565	QPSK	10MHz	50	0
Band7	22.31	20800	2505	16QAM	10MHz	1	0
Band7	22.19	20800	2505	16QAM	10MHz	1	24
Band7	22.13	20800	2505	16QAM	10MHz	1	49

Band7	21.96	20800	2505	16QAM	10MHz	25	0
Band7	21.85	20800	2505	16QAM	10MHz	25	12
Band7	21.77	20800	2505	16QAM	10MHz	25	25
Band7	21.01	20800	2505	16QAM	10MHz	50	0
Band7	22.23	21100	2535	16QAM	10MHz	1	0
Band7	22.19	21100	2535	16QAM	10MHz	1	24
Band7	22.16	21100	2535	16QAM	10MHz	1	49
Band7	21.86	21100	2535	16QAM	10MHz	25	0
Band7	21.81	21100	2535	16QAM	10MHz	25	12
Band7	21.72	21100	2535	16QAM	10MHz	25	25
Band7	20.90	21100	2535	16QAM	10MHz	50	0
Band7	22.32	21400	2565	16QAM	10MHz	1	0
Band7	22.25	21400	2565	16QAM	10MHz	1	24
Band7	22.27	21400	2565	16QAM	10MHz	1	49
Band7	21.83	21400	2565	16QAM	10MHz	25	0
Band7	21.76	21400	2565	16QAM	10MHz	25	12
Band7	21.68	21400	2565	16QAM	10MHz	25	25
Band7	21.00	21400	2565	16QAM	10MHz	50	0
Band7	21.57	20800	2505	64QAM	10MHz	1	0
Band7	21.55	20800	2505	64QAM	10MHz	1	24
Band7	21.45	20800	2505	64QAM	10MHz	1	49
Band7	20.63	20800	2505	64QAM	10MHz	25	0
Band7	20.74	20800	2505	64QAM	10MHz	25	12
Band7	20.79	20800	2505	64QAM	10MHz	25	25
Band7	20.28	20800	2505	64QAM	10MHz	50	0
Band7	21.54	21100	2535	64QAM	10MHz	1	0
Band7	21.45	21100	2535	64QAM	10MHz	1	24
Band7	21.41	21100	2535	64QAM	10MHz	1	49
Band7	20.59	21100	2535	64QAM	10MHz	25	0
Band7	20.61	21100	2535	64QAM	10MHz	25	12
Band7	20.71	21100	2535	64QAM	10MHz	25	25
Band7	20.18	21100	2535	64QAM	10MHz	50	0
Band7	21.54	21400	2565	64QAM	10MHz	1	0
Band7	21.53	21400	2565	64QAM	10MHz	1	24
Band7	21.53	21400	2565	64QAM	10MHz	1	49
Band7	20.70	21400	2565	64QAM	10MHz	25	0
Band7	20.69	21400	2565	64QAM	10MHz	25	12
Band7	20.86	21400	2565	64QAM	10MHz	25	25

Band7	20.31	21400	2565	64QAM	10MHz	50	0
Band7	23.01	20825	2507.5	QPSK	15MHz	1	0
Band7	22.95	20825	2507.5	QPSK	15MHz	1	37
Band7	22.93	20825	2507.5	QPSK	15MHz	1	74
Band7	22.68	20825	2507.5	QPSK	15MHz	36	0
Band7	22.73	20825	2507.5	QPSK	15MHz	36	19
Band7	22.73	20825	2507.5	QPSK	15MHz	36	39
Band7	22.03	20825	2507.5	QPSK	15MHz	75	0
Band7	23.00	21100	2535	QPSK	15MHz	1	0
Band7	22.93	21100	2535	QPSK	15MHz	1	37
Band7	22.89	21100	2535	QPSK	15MHz	1	74
Band7	22.56	21100	2535	QPSK	15MHz	36	0
Band7	22.62	21100	2535	QPSK	15MHz	36	19
Band7	22.64	21100	2535	QPSK	15MHz	36	39
Band7	21.92	21100	2535	QPSK	15MHz	75	0
Band7	22.99	21375	2562.5	QPSK	15MHz	1	0
Band7	22.97	21375	2562.5	QPSK	15MHz	1	37
Band7	22.90	21375	2562.5	QPSK	15MHz	1	74
Band7	22.64	21375	2562.5	QPSK	15MHz	36	0
Band7	22.77	21375	2562.5	QPSK	15MHz	36	19
Band7	22.79	21375	2562.5	QPSK	15MHz	36	39
Band7	21.98	21375	2562.5	QPSK	15MHz	75	0
Band7	22.30	20825	2507.5	16QAM	15MHz	1	0
Band7	22.26	20825	2507.5	16QAM	15MHz	1	37
Band7	22.19	20825	2507.5	16QAM	15MHz	1	74
Band7	21.94	20825	2507.5	16QAM	15MHz	36	0
Band7	21.99	20825	2507.5	16QAM	15MHz	36	19
Band7	21.88	20825	2507.5	16QAM	15MHz	36	39
Band7	21.00	20825	2507.5	16QAM	15MHz	75	0
Band7	22.27	21100	2535	16QAM	15MHz	1	0
Band7	22.22	21100	2535	16QAM	15MHz	1	37
Band7	22.19	21100	2535	16QAM	15MHz	1	74
Band7	21.84	21100	2535	16QAM	15MHz	36	0
Band7	21.88	21100	2535	16QAM	15MHz	36	19
Band7	21.88	21100	2535	16QAM	15MHz	36	39
Band7	20.91	21100	2535	16QAM	15MHz	75	0
Band7	22.29	21375	2562.5	16QAM	15MHz	1	0
Band7	22.19	21375	2562.5	16QAM	15MHz	1	37

Band7	22.14	21375	2562.5	16QAM	15MHz	1	74
Band7	21.91	21375	2562.5	16QAM	15MHz	36	0
Band7	21.88	21375	2562.5	16QAM	15MHz	36	19
Band7	21.85	21375	2562.5	16QAM	15MHz	36	39
Band7	20.98	21375	2562.5	16QAM	15MHz	75	0
Band7	21.56	20825	2507.5	64QAM	15MHz	1	0
Band7	21.48	20825	2507.5	64QAM	15MHz	1	37
Band7	21.45	20825	2507.5	64QAM	15MHz	1	74
Band7	20.67	20825	2507.5	64QAM	15MHz	36	0
Band7	20.77	20825	2507.5	64QAM	15MHz	36	19
Band7	20.75	20825	2507.5	64QAM	15MHz	36	39
Band7	20.27	20825	2507.5	64QAM	15MHz	75	0
Band7	21.54	21100	2535	64QAM	15MHz	1	0
Band7	21.46	21100	2535	64QAM	15MHz	1	37
Band7	21.48	21100	2535	64QAM	15MHz	1	74
Band7	20.58	21100	2535	64QAM	15MHz	36	0
Band7	20.64	21100	2535	64QAM	15MHz	36	19
Band7	20.70	21100	2535	64QAM	15MHz	36	39
Band7	20.18	21100	2535	64QAM	15MHz	75	0
Band7	21.55	21375	2562.5	64QAM	15MHz	1	0
Band7	21.48	21375	2562.5	64QAM	15MHz	1	37
Band7	21.48	21375	2562.5	64QAM	15MHz	1	74
Band7	20.67	21375	2562.5	64QAM	15MHz	36	0
Band7	20.73	21375	2562.5	64QAM	15MHz	36	19
Band7	20.84	21375	2562.5	64QAM	15MHz	36	39
Band7	20.29	21375	2562.5	64QAM	15MHz	75	0
Band7	23.04	20850	2510	QPSK	20MHz	1	0
Band7	23.02	20850	2510	QPSK	20MHz	1	49
Band7	22.91	20850	2510	QPSK	20MHz	1	99
Band7	22.79	20850	2510	QPSK	20MHz	50	0
Band7	22.85	20850	2510	QPSK	20MHz	50	25
Band7	22.84	20850	2510	QPSK	20MHz	50	50
Band7	22.11	20850	2510	QPSK	20MHz	100	0
Band7	23.06	21100	2535	QPSK	20MHz	1	0
Band7	23.03	21100	2535	QPSK	20MHz	1	49
Band7	22.96	21100	2535	QPSK	20MHz	1	99
Band7	22.68	21100	2535	QPSK	20MHz	50	0
Band7	22.74	21100	2535	QPSK	20MHz	50	25

Band7	22.75	21100	2535	QPSK	20MHz	50	50
Band7	22.01	21100	2535	QPSK	20MHz	100	0
Band7	23.09	21350	2560	QPSK	20MHz	1	0
Band7	23.02	21350	2560	QPSK	20MHz	1	49
Band7	22.99	21350	2560	QPSK	20MHz	1	99
Band7	22.74	21350	2560	QPSK	20MHz	50	0
Band7	22.88	21350	2560	QPSK	20MHz	50	25
Band7	22.89	21350	2560	QPSK	20MHz	50	50
Band7	22.17	21350	2560	QPSK	20MHz	100	0
Band7	22.36	20850	2510	16QAM	20MHz	1	0
Band7	22.25	20850	2510	16QAM	20MHz	1	49
Band7	22.12	20850	2510	16QAM	20MHz	1	99
Band7	21.76	20850	2510	16QAM	20MHz	50	0
Band7	21.80	20850	2510	16QAM	20MHz	50	25
Band7	21.82	20850	2510	16QAM	20MHz	50	50
Band7	21.12	20850	2510	16QAM	20MHz	100	0
Band7	22.35	21100	2535	16QAM	20MHz	1	0
Band7	22.27	21100	2535	16QAM	20MHz	1	49
Band7	22.22	21100	2535	16QAM	20MHz	1	99
Band7	21.64	21100	2535	16QAM	20MHz	50	0
Band7	21.72	21100	2535	16QAM	20MHz	50	25
Band7	21.73	21100	2535	16QAM	20MHz	50	50
Band7	21.06	21100	2535	16QAM	20MHz	100	0
Band7	22.37	21350	2560	16QAM	20MHz	1	0
Band7	22.26	21350	2560	16QAM	20MHz	1	49
Band7	22.21	21350	2560	16QAM	20MHz	1	99
Band7	21.71	21350	2560	16QAM	20MHz	50	0
Band7	21.83	21350	2560	16QAM	20MHz	50	25
Band7	21.89	21350	2560	16QAM	20MHz	50	50
Band7	21.17	21350	2560	16QAM	20MHz	100	0
Band7	21.58	20850	2510	64QAM	20MHz	1	0
Band7	21.50	20850	2510	64QAM	20MHz	1	49
Band7	21.41	20850	2510	64QAM	20MHz	1	99
Band7	20.64	20850	2510	64QAM	20MHz	50	0
Band7	20.79	20850	2510	64QAM	20MHz	50	25
Band7	20.75	20850	2510	64QAM	20MHz	50	50
Band7	20.27	20850	2510	64QAM	20MHz	100	0
Band7	21.50	21100	2535	64QAM	20MHz	1	0

Band7	21.51	21100	2535	64QAM	20MHz	1	49
Band7	21.41	21100	2535	64QAM	20MHz	1	99
Band7	20.59	21100	2535	64QAM	20MHz	50	0
Band7	20.57	21100	2535	64QAM	20MHz	50	25
Band7	20.63	21100	2535	64QAM	20MHz	50	50
Band7	20.15	21100	2535	64QAM	20MHz	100	0
Band7	21.56	21350	2560	64QAM	20MHz	1	0
Band7	21.51	21350	2560	64QAM	20MHz	1	49
Band7	21.48	21350	2560	64QAM	20MHz	1	99
Band7	20.64	21350	2560	64QAM	20MHz	50	0
Band7	20.77	21350	2560	64QAM	20MHz	50	25
Band7	20.82	21350	2560	64QAM	20MHz	50	50
Band7	20.29	21350	2560	64QAM	20MHz	100	0
Band12	23.11	23017	699.7	QPSK	1.4MHz	1	0
Band12	23.10	23017	699.7	QPSK	1.4MHz	1	2
Band12	23.01	23017	699.7	QPSK	1.4MHz	1	5
Band12	22.71	23017	699.7	QPSK	1.4MHz	3	0
Band12	22.71	23017	699.7	QPSK	1.4MHz	3	1
Band12	22.65	23017	699.7	QPSK	1.4MHz	3	3
Band12	22.13	23017	699.7	QPSK	1.4MHz	6	0
Band12	23.16	23095	707.5	QPSK	1.4MHz	1	0
Band12	23.11	23095	707.5	QPSK	1.4MHz	1	2
Band12	23.09	23095	707.5	QPSK	1.4MHz	1	5
Band12	22.76	23095	707.5	QPSK	1.4MHz	3	0
Band12	22.79	23095	707.5	QPSK	1.4MHz	3	1
Band12	22.75	23095	707.5	QPSK	1.4MHz	3	3
Band12	22.11	23095	707.5	QPSK	1.4MHz	6	0
Band12	23.19	23173	715.3	QPSK	1.4MHz	1	0
Band12	23.14	23173	715.3	QPSK	1.4MHz	1	2
Band12	23.05	23173	715.3	QPSK	1.4MHz	1	5
Band12	22.73	23173	715.3	QPSK	1.4MHz	3	0
Band12	22.76	23173	715.3	QPSK	1.4MHz	3	1
Band12	22.71	23173	715.3	QPSK	1.4MHz	3	3
Band12	22.23	23173	715.3	QPSK	1.4MHz	6	0
Band12	22.50	23017	699.7	16QAM	1.4MHz	1	0
Band12	22.48	23017	699.7	16QAM	1.4MHz	1	2
Band12	22.37	23017	699.7	16QAM	1.4MHz	1	5
Band12	21.77	23017	699.7	16QAM	1.4MHz	3	0

Band12	21.81	23017	699.7	16QAM	1.4MHz	3	1
Band12	21.70	23017	699.7	16QAM	1.4MHz	3	3
Band12	21.22	23017	699.7	16QAM	1.4MHz	6	0
Band12	22.52	23095	707.5	16QAM	1.4MHz	1	0
Band12	22.47	23095	707.5	16QAM	1.4MHz	1	2
Band12	22.45	23095	707.5	16QAM	1.4MHz	1	5
Band12	21.86	23095	707.5	16QAM	1.4MHz	3	0
Band12	21.81	23095	707.5	16QAM	1.4MHz	3	1
Band12	21.82	23095	707.5	16QAM	1.4MHz	3	3
Band12	21.15	23095	707.5	16QAM	1.4MHz	6	0
Band12	22.53	23173	715.3	16QAM	1.4MHz	1	0
Band12	22.52	23173	715.3	16QAM	1.4MHz	1	2
Band12	22.43	23173	715.3	16QAM	1.4MHz	1	5
Band12	21.81	23173	715.3	16QAM	1.4MHz	3	0
Band12	21.81	23173	715.3	16QAM	1.4MHz	3	1
Band12	21.79	23173	715.3	16QAM	1.4MHz	3	3
Band12	21.29	23173	715.3	16QAM	1.4MHz	6	0
Band12	21.73	23017	699.7	64QAM	1.4MHz	1	0
Band12	21.70	23017	699.7	64QAM	1.4MHz	1	2
Band12	21.63	23017	699.7	64QAM	1.4MHz	1	5
Band12	20.79	23017	699.7	64QAM	1.4MHz	3	0
Band12	20.87	23017	699.7	64QAM	1.4MHz	3	1
Band12	20.72	23017	699.7	64QAM	1.4MHz	3	3
Band12	20.46	23017	699.7	64QAM	1.4MHz	6	0
Band12	21.70	23095	707.5	64QAM	1.4MHz	1	0
Band12	21.72	23095	707.5	64QAM	1.4MHz	1	2
Band12	21.70	23095	707.5	64QAM	1.4MHz	1	5
Band12	20.92	23095	707.5	64QAM	1.4MHz	3	0
Band12	20.83	23095	707.5	64QAM	1.4MHz	3	1
Band12	20.90	23095	707.5	64QAM	1.4MHz	3	3
Band12	20.34	23095	707.5	64QAM	1.4MHz	6	0
Band12	21.77	23173	715.3	64QAM	1.4MHz	1	0
Band12	21.71	23173	715.3	64QAM	1.4MHz	1	2
Band12	21.61	23173	715.3	64QAM	1.4MHz	1	5
Band12	20.87	23173	715.3	64QAM	1.4MHz	3	0
Band12	20.81	23173	715.3	64QAM	1.4MHz	3	1
Band12	20.80	23173	715.3	64QAM	1.4MHz	3	3
Band12	20.48	23173	715.3	64QAM	1.4MHz	6	0

Band12	23.16	23025	700.5	QPSK	3MHz	1	0
Band12	23.08	23025	700.5	QPSK	3MHz	1	7
Band12	23.08	23025	700.5	QPSK	3MHz	1	14
Band12	22.92	23025	700.5	QPSK	3MHz	8	0
Band12	22.86	23025	700.5	QPSK	3MHz	8	3
Band12	22.86	23025	700.5	QPSK	3MHz	8	7
Band12	22.23	23025	700.5	QPSK	3MHz	15	0
Band12	23.21	23095	707.5	QPSK	3MHz	1	0
Band12	23.19	23095	707.5	QPSK	3MHz	1	7
Band12	23.17	23095	707.5	QPSK	3MHz	1	14
Band12	22.94	23095	707.5	QPSK	3MHz	8	0
Band12	22.92	23095	707.5	QPSK	3MHz	8	3
Band12	22.94	23095	707.5	QPSK	3MHz	8	7
Band12	22.18	23095	707.5	QPSK	3MHz	15	0
Band12	23.20	23165	714.5	QPSK	3MHz	1	0
Band12	23.19	23165	714.5	QPSK	3MHz	1	7
Band12	23.16	23165	714.5	QPSK	3MHz	1	14
Band12	22.39	23165	714.5	QPSK	3MHz	8	0
Band12	22.50	23165	714.5	QPSK	3MHz	8	3
Band12	22.42	23165	714.5	QPSK	3MHz	8	7
Band12	22.20	23165	714.5	QPSK	3MHz	15	0
Band12	22.48	23025	700.5	16QAM	3MHz	1	0
Band12	22.33	23025	700.5	16QAM	3MHz	1	7
Band12	22.39	23025	700.5	16QAM	3MHz	1	14
Band12	21.60	23025	700.5	16QAM	3MHz	8	0
Band12	21.59	23025	700.5	16QAM	3MHz	8	3
Band12	21.54	23025	700.5	16QAM	3MHz	8	7
Band12	21.20	23025	700.5	16QAM	3MHz	15	0
Band12	22.53	23095	707.5	16QAM	3MHz	1	0
Band12	22.48	23095	707.5	16QAM	3MHz	1	7
Band12	22.45	23095	707.5	16QAM	3MHz	1	14
Band12	21.60	23095	707.5	16QAM	3MHz	8	0
Band12	21.60	23095	707.5	16QAM	3MHz	8	3
Band12	21.62	23095	707.5	16QAM	3MHz	8	7
Band12	21.19	23095	707.5	16QAM	3MHz	15	0
Band12	22.49	23165	714.5	16QAM	3MHz	1	0
Band12	22.47	23165	714.5	16QAM	3MHz	1	7
Band12	22.44	23165	714.5	16QAM	3MHz	1	14

Band12	21.64	23165	714.5	16QAM	3MHz	8	0
Band12	21.70	23165	714.5	16QAM	3MHz	8	3
Band12	21.66	23165	714.5	16QAM	3MHz	8	7
Band12	21.20	23165	714.5	16QAM	3MHz	15	0
Band12	21.73	23025	700.5	64QAM	3MHz	1	0
Band12	21.68	23025	700.5	64QAM	3MHz	1	7
Band12	21.55	23025	700.5	64QAM	3MHz	1	14
Band12	20.85	23025	700.5	64QAM	3MHz	8	0
Band12	20.84	23025	700.5	64QAM	3MHz	8	3
Band12	20.76	23025	700.5	64QAM	3MHz	8	7
Band12	20.41	23025	700.5	64QAM	3MHz	15	0
Band12	21.72	23095	707.5	64QAM	3MHz	1	0
Band12	21.73	23095	707.5	64QAM	3MHz	1	7
Band12	21.70	23095	707.5	64QAM	3MHz	1	14
Band12	20.91	23095	707.5	64QAM	3MHz	8	0
Band12	20.85	23095	707.5	64QAM	3MHz	8	3
Band12	20.83	23095	707.5	64QAM	3MHz	8	7
Band12	20.33	23095	707.5	64QAM	3MHz	15	0
Band12	21.75	23165	714.5	64QAM	3MHz	1	0
Band12	21.77	23165	714.5	64QAM	3MHz	1	7
Band12	21.63	23165	714.5	64QAM	3MHz	1	14
Band12	20.86	23165	714.5	64QAM	3MHz	8	0
Band12	20.86	23165	714.5	64QAM	3MHz	8	3
Band12	20.85	23165	714.5	64QAM	3MHz	8	7
Band12	20.53	23165	714.5	64QAM	3MHz	15	0
Band12	23.24	23035	701.5	QPSK	5MHz	1	0
Band12	23.16	23035	701.5	QPSK	5MHz	1	12
Band12	23.12	23035	701.5	QPSK	5MHz	1	24
Band12	22.85	23035	701.5	QPSK	5MHz	12	0
Band12	22.74	23035	701.5	QPSK	5MHz	12	6
Band12	22.69	23035	701.5	QPSK	5MHz	12	13
Band12	22.24	23035	701.5	QPSK	5MHz	25	0
Band12	23.20	23095	707.5	QPSK	5MHz	1	0
Band12	23.17	23095	707.5	QPSK	5MHz	1	12
Band12	23.13	23095	707.5	QPSK	5MHz	1	24
Band12	22.82	23095	707.5	QPSK	5MHz	12	0
Band12	22.75	23095	707.5	QPSK	5MHz	12	6
Band12	22.71	23095	707.5	QPSK	5MHz	12	13

Band12	22.23	23095	707.5	QPSK	5MHz	25	0
Band12	23.21	23155	713.5	QPSK	5MHz	1	0
Band12	23.20	23155	713.5	QPSK	5MHz	1	12
Band12	23.15	23155	713.5	QPSK	5MHz	1	24
Band12	22.85	23155	713.5	QPSK	5MHz	12	0
Band12	22.81	23155	713.5	QPSK	5MHz	12	6
Band12	22.72	23155	713.5	QPSK	5MHz	12	13
Band12	22.26	23155	713.5	QPSK	5MHz	25	0
Band12	22.46	23035	701.5	16QAM	5MHz	1	0
Band12	22.42	23035	701.5	16QAM	5MHz	1	12
Band12	22.40	23035	701.5	16QAM	5MHz	1	24
Band12	21.47	23035	701.5	16QAM	5MHz	12	0
Band12	21.54	23035	701.5	16QAM	5MHz	12	6
Band12	21.52	23035	701.5	16QAM	5MHz	12	13
Band12	21.19	23035	701.5	16QAM	5MHz	25	0
Band12	22.50	23095	707.5	16QAM	5MHz	1	0
Band12	22.47	23095	707.5	16QAM	5MHz	1	12
Band12	22.39	23095	707.5	16QAM	5MHz	1	24
Band12	21.57	23095	707.5	16QAM	5MHz	12	0
Band12	21.60	23095	707.5	16QAM	5MHz	12	6
Band12	21.63	23095	707.5	16QAM	5MHz	12	13
Band12	21.23	23095	707.5	16QAM	5MHz	25	0
Band12	22.53	23155	713.5	16QAM	5MHz	1	0
Band12	22.49	23155	713.5	16QAM	5MHz	1	12
Band12	22.42	23155	713.5	16QAM	5MHz	1	24
Band12	21.60	23155	713.5	16QAM	5MHz	12	0
Band12	21.62	23155	713.5	16QAM	5MHz	12	6
Band12	21.65	23155	713.5	16QAM	5MHz	12	11
Band12	21.20	23155	713.5	16QAM	5MHz	25	0
Band12	21.68	23035	701.5	64QAM	5MHz	1	0
Band12	21.70	23035	701.5	64QAM	5MHz	1	12
Band12	21.61	23035	701.5	64QAM	5MHz	1	24
Band12	20.82	23035	701.5	64QAM	5MHz	12	0
Band12	20.80	23035	701.5	64QAM	5MHz	12	6
Band12	20.75	23035	701.5	64QAM	5MHz	12	13
Band12	20.45	23035	701.5	64QAM	5MHz	25	0
Band12	21.71	23095	707.5	64QAM	5MHz	1	0
Band12	21.72	23095	707.5	64QAM	5MHz	1	12

Band12	21.65	23095	707.5	64QAM	5MHz	1	24
Band12	20.87	23095	707.5	64QAM	5MHz	12	0
Band12	20.83	23095	707.5	64QAM	5MHz	12	6
Band12	20.88	23095	707.5	64QAM	5MHz	12	13
Band12	20.40	23095	707.5	64QAM	5MHz	25	0
Band12	21.71	23155	713.5	64QAM	5MHz	1	0
Band12	21.73	23155	713.5	64QAM	5MHz	1	12
Band12	21.62	23155	713.5	64QAM	5MHz	1	24
Band12	20.84	23155	713.5	64QAM	5MHz	12	0
Band12	20.86	23155	713.5	64QAM	5MHz	12	6
Band12	20.78	23155	713.5	64QAM	5MHz	12	11
Band12	20.50	23155	713.5	64QAM	5MHz	25	0
Band12	23.25	23060	704	QPSK	10MHz	1	0
Band12	23.22	23060	704	QPSK	10MHz	1	24
Band12	23.20	23060	704	QPSK	10MHz	1	49
Band12	22.71	23060	704	QPSK	10MHz	25	0
Band12	22.79	23060	704	QPSK	10MHz	25	12
Band12	22.76	23060	704	QPSK	10MHz	25	25
Band12	22.17	23060	704	QPSK	10MHz	50	0
Band12	23.23	23095	707.5	QPSK	10MHz	1	0
Band12	23.19	23095	707.5	QPSK	10MHz	1	24
Band12	23.17	23095	707.5	QPSK	10MHz	1	49
Band12	22.83	23095	707.5	QPSK	10MHz	25	0
Band12	22.82	23095	707.5	QPSK	10MHz	25	12
Band12	22.84	23095	707.5	QPSK	10MHz	25	25
Band12	22.22	23095	707.5	QPSK	10MHz	50	0
Band12	23.28	23130	711	QPSK	10MHz	1	0
Band12	23.22	23130	711	QPSK	10MHz	1	24
Band12	23.20	23130	711	QPSK	10MHz	1	49
Band12	22.86	23130	711	QPSK	10MHz	25	0
Band12	22.88	23130	711	QPSK	10MHz	25	12
Band12	22.90	23130	711	QPSK	10MHz	25	25
Band12	22.22	23130	711	QPSK	10MHz	50	0
Band12	22.55	23060	704	16QAM	10MHz	1	0
Band12	22.47	23060	704	16QAM	10MHz	1	24
Band12	22.45	23060	704	16QAM	10MHz	1	49
Band12	21.47	23060	704	16QAM	10MHz	25	0
Band12	21.54	23060	704	16QAM	10MHz	25	12

Band12	21.57	23060	704	16QAM	10MHz	25	25
Band12	21.22	23060	704	16QAM	10MHz	50	0
Band12	22.59	23095	707.5	16QAM	10MHz	1	0
Band12	22.53	23095	707.5	16QAM	10MHz	1	24
Band12	22.49	23095	707.5	16QAM	10MHz	1	49
Band12	21.52	23095	707.5	16QAM	10MHz	25	0
Band12	21.52	23095	707.5	16QAM	10MHz	25	12
Band12	21.63	23095	707.5	16QAM	10MHz	25	25
Band12	21.22	23095	707.5	16QAM	10MHz	50	0
Band12	22.60	23130	711	16QAM	10MHz	1	0
Band12	22.54	23130	711	16QAM	10MHz	1	24
Band12	22.45	23130	711	16QAM	10MHz	1	49
Band12	21.60	23130	711	16QAM	10MHz	25	0
Band12	21.61	23130	711	16QAM	10MHz	25	12
Band12	21.67	23130	711	16QAM	10MHz	25	25
Band12	21.27	23130	711	16QAM	10MHz	50	0
Band12	21.73	23060	704	64QAM	10MHz	1	0
Band12	21.72	23060	704	64QAM	10MHz	1	24
Band12	21.63	23060	704	64QAM	10MHz	1	49
Band12	20.81	23060	704	64QAM	10MHz	25	0
Band12	20.89	23060	704	64QAM	10MHz	25	12
Band12	20.73	23060	704	64QAM	10MHz	25	25
Band12	20.43	23060	704	64QAM	10MHz	50	0
Band12	21.78	23095	707.5	64QAM	10MHz	1	0
Band12	21.66	23095	707.5	64QAM	10MHz	1	24
Band12	21.62	23095	707.5	64QAM	10MHz	1	49
Band12	20.92	23095	707.5	64QAM	10MHz	25	0
Band12	20.87	23095	707.5	64QAM	10MHz	25	12
Band12	20.87	23095	707.5	64QAM	10MHz	25	25
Band12	20.33	23095	707.5	64QAM	10MHz	50	0
Band12	21.77	23130	711	64QAM	10MHz	1	0
Band12	21.73	23130	711	64QAM	10MHz	1	24
Band12	21.65	23130	711	64QAM	10MHz	1	49
Band12	20.84	23130	711	64QAM	10MHz	25	0
Band12	20.88	23130	711	64QAM	10MHz	25	12
Band12	20.77	23130	711	64QAM	10MHz	25	25
Band12	20.49	23130	711	64QAM	10MHz	50	0
Band13	23.26	23205	779.5	QPSK	5MHz	1	0

Band13	23.23	23205	779.5	QPSK	5MHz	1	12
Band13	23.18	23205	779.5	QPSK	5MHz	1	24
Band13	22.74	23205	779.5	QPSK	5MHz	12	0
Band13	22.84	23205	779.5	QPSK	5MHz	12	6
Band13	22.82	23205	779.5	QPSK	5MHz	12	13
Band13	22.25	23205	779.5	QPSK	5MHz	25	0
Band13	23.29	23230	782	QPSK	5MHz	1	0
Band13	23.24	23230	782	QPSK	5MHz	1	12
Band13	23.20	23230	782	QPSK	5MHz	1	24
Band13	22.79	23230	782	QPSK	5MHz	12	0
Band13	22.83	23230	782	QPSK	5MHz	12	6
Band13	22.86	23230	782	QPSK	5MHz	12	13
Band13	22.19	23230	782	QPSK	5MHz	25	0
Band13	23.28	23255	784.5	QPSK	5MHz	1	0
Band13	23.23	23255	784.5	QPSK	5MHz	1	12
Band13	23.18	23255	784.5	QPSK	5MHz	1	24
Band13	22.76	23255	784.5	QPSK	5MHz	12	0
Band13	22.80	23255	784.5	QPSK	5MHz	12	6
Band13	22.84	23255	784.5	QPSK	5MHz	12	13
Band13	22.18	23255	784.5	QPSK	5MHz	25	0
Band13	22.48	23205	779.5	16QAM	5MHz	1	0
Band13	22.43	23205	779.5	16QAM	5MHz	1	12
Band13	22.46	23205	779.5	16QAM	5MHz	1	24
Band13	21.65	23205	779.5	16QAM	5MHz	12	0
Band13	21.73	23205	779.5	16QAM	5MHz	12	6
Band13	21.72	23205	779.5	16QAM	5MHz	12	13
Band13	21.26	23205	779.5	16QAM	5MHz	25	0
Band13	22.53	23230	782	16QAM	5MHz	1	0
Band13	22.50	23230	782	16QAM	5MHz	1	12
Band13	22.46	23230	782	16QAM	5MHz	1	24
Band13	21.66	23230	782	16QAM	5MHz	12	0
Band13	21.71	23230	782	16QAM	5MHz	12	6
Band13	21.77	23230	782	16QAM	5MHz	12	13
Band13	21.24	23230	782	16QAM	5MHz	25	0
Band13	22.54	23255	784.5	16QAM	5MHz	1	0
Band13	22.51	23255	784.5	16QAM	5MHz	1	12
Band13	22.49	23255	784.5	16QAM	5MHz	1	24
Band13	21.68	23255	784.5	16QAM	5MHz	12	0

Band13	21.68	23255	784.5	16QAM	5MHz	12	6
Band13	21.78	23255	784.5	16QAM	5MHz	12	11
Band13	21.17	23255	784.5	16QAM	5MHz	25	0
Band13	21.68	23205	779.5	64QAM	5MHz	1	0
Band13	21.69	23205	779.5	64QAM	5MHz	1	12
Band13	21.72	23205	779.5	64QAM	5MHz	1	24
Band13	20.65	23205	779.5	64QAM	5MHz	12	0
Band13	20.79	23205	779.5	64QAM	5MHz	12	6
Band13	20.71	23205	779.5	64QAM	5MHz	12	13
Band13	20.47	23205	779.5	64QAM	5MHz	25	0
Band13	21.77	23230	782	64QAM	5MHz	1	0
Band13	21.74	23230	782	64QAM	5MHz	1	12
Band13	21.68	23230	782	64QAM	5MHz	1	24
Band13	20.67	23230	782	64QAM	5MHz	12	0
Band13	20.73	23230	782	64QAM	5MHz	12	6
Band13	20.84	23230	782	64QAM	5MHz	12	13
Band13	20.47	23230	782	64QAM	5MHz	25	0
Band13	21.75	23255	784.5	64QAM	5MHz	1	0
Band13	21.75	23255	784.5	64QAM	5MHz	1	12
Band13	21.68	23255	784.5	64QAM	5MHz	1	24
Band13	20.74	23255	784.5	64QAM	5MHz	12	0
Band13	20.69	23255	784.5	64QAM	5MHz	12	6
Band13	20.79	23255	784.5	64QAM	5MHz	12	11
Band13	20.35	23255	784.5	64QAM	5MHz	25	0
Band13	23.31	23230	782	QPSK	10MHz	1	0
Band13	23.25	23230	782	QPSK	10MHz	1	24
Band13	23.21	23230	782	QPSK	10MHz	1	49
Band13	22.78	23230	782	QPSK	10MHz	25	0
Band13	22.83	23230	782	QPSK	10MHz	25	12
Band13	22.90	23230	782	QPSK	10MHz	25	25
Band13	22.46	23230	782	QPSK	10MHz	50	0
Band13	22.53	23230	782	16QAM	10MHz	1	0
Band13	22.49	23230	782	16QAM	10MHz	1	24
Band13	22.47	23230	782	16QAM	10MHz	1	49
Band13	21.71	23230	782	16QAM	10MHz	25	0
Band13	21.75	23230	782	16QAM	10MHz	25	12
Band13	21.80	23230	782	16QAM	10MHz	25	25
Band13	21.25	23230	782	16QAM	10MHz	50	0

Band13	21.75	23230	782	64QAM	10MHz	1	0
Band13	21.68	23230	782	64QAM	10MHz	1	24
Band13	21.67	23230	782	64QAM	10MHz	1	49
Band13	20.81	23230	782	64QAM	10MHz	25	0
Band13	20.78	23230	782	64QAM	10MHz	25	12
Band13	20.85	23230	782	64QAM	10MHz	25	25
Band13	20.44	23230	782	64QAM	10MHz	50	0
Band14	23.22	23305	790.5	QPSK	5MHz	1	0
Band14	23.16	23305	790.5	QPSK	5MHz	1	12
Band14	23.10	23305	790.5	QPSK	5MHz	1	24
Band14	22.70	23305	790.5	QPSK	5MHz	12	0
Band14	22.70	23305	790.5	QPSK	5MHz	12	6
Band14	22.62	23305	790.5	QPSK	5MHz	12	13
Band14	22.26	23305	790.5	QPSK	5MHz	25	0
Band14	23.25	23330	793	QPSK	5MHz	1	0
Band14	23.20	23330	793	QPSK	5MHz	1	12
Band14	23.10	23330	793	QPSK	5MHz	1	24
Band14	22.66	23330	793	QPSK	5MHz	12	0
Band14	22.64	23330	793	QPSK	5MHz	12	6
Band14	22.53	23330	793	QPSK	5MHz	12	13
Band14	22.19	23330	793	QPSK	5MHz	25	0
Band14	23.26	23355	795.5	QPSK	5MHz	1	0
Band14	23.21	23355	795.5	QPSK	5MHz	1	12
Band14	23.10	23355	795.5	QPSK	5MHz	1	24
Band14	22.71	23355	795.5	QPSK	5MHz	12	0
Band14	22.70	23355	795.5	QPSK	5MHz	12	6
Band14	22.56	23355	795.5	QPSK	5MHz	12	13
Band14	22.23	23355	795.5	QPSK	5MHz	25	0
Band14	22.53	23305	790.5	16QAM	5MHz	1	0
Band14	22.45	23305	790.5	16QAM	5MHz	1	12
Band14	22.39	23305	790.5	16QAM	5MHz	1	24
Band14	21.83	23305	790.5	16QAM	5MHz	12	0
Band14	21.82	23305	790.5	16QAM	5MHz	12	6
Band14	21.71	23305	790.5	16QAM	5MHz	12	13
Band14	21.27	23305	790.5	16QAM	5MHz	25	0
Band14	22.57	23330	793	16QAM	5MHz	1	0
Band14	22.49	23330	793	16QAM	5MHz	1	12
Band14	22.42	23330	793	16QAM	5MHz	1	24

Band14	21.73	23330	793	16QAM	5MHz	12	0
Band14	21.72	23330	793	16QAM	5MHz	12	6
Band14	21.65	23330	793	16QAM	5MHz	12	13
Band14	21.21	23330	793	16QAM	5MHz	25	0
Band14	22.54	23355	795.5	16QAM	5MHz	1	0
Band14	22.42	23355	795.5	16QAM	5MHz	1	12
Band14	22.39	23355	795.5	16QAM	5MHz	1	24
Band14	21.81	23355	795.5	16QAM	5MHz	12	0
Band14	21.77	23355	795.5	16QAM	5MHz	12	6
Band14	21.68	23355	795.5	16QAM	5MHz	12	11
Band14	21.26	23355	795.5	16QAM	5MHz	25	0
Band14	21.80	23305	790.5	64QAM	5MHz	1	0
Band14	21.72	23305	790.5	64QAM	5MHz	1	12
Band14	21.65	23305	790.5	64QAM	5MHz	1	24
Band14	20.84	23305	790.5	64QAM	5MHz	12	0
Band14	20.88	23305	790.5	64QAM	5MHz	12	6
Band14	20.75	23305	790.5	64QAM	5MHz	12	13
Band14	20.53	23305	790.5	64QAM	5MHz	25	0
Band14	21.75	23330	793	64QAM	5MHz	1	0
Band14	21.69	23330	793	64QAM	5MHz	1	12
Band14	21.61	23330	793	64QAM	5MHz	1	24
Band14	20.82	23330	793	64QAM	5MHz	12	0
Band14	20.79	23330	793	64QAM	5MHz	12	6
Band14	20.72	23330	793	64QAM	5MHz	12	13
Band14	20.40	23330	793	64QAM	5MHz	25	0
Band14	21.77	23355	795.5	64QAM	5MHz	1	0
Band14	21.61	23355	795.5	64QAM	5MHz	1	12
Band14	21.58	23355	795.5	64QAM	5MHz	1	24
Band14	20.88	23355	795.5	64QAM	5MHz	12	0
Band14	20.86	23355	795.5	64QAM	5MHz	12	6
Band14	20.77	23355	795.5	64QAM	5MHz	12	11
Band14	20.45	23355	795.5	64QAM	5MHz	25	0
Band14	23.29	23330	793	QPSK	10MHz	1	0
Band14	23.19	23330	793	QPSK	10MHz	1	24
Band14	23.10	23330	793	QPSK	10MHz	1	49
Band14	22.72	23330	793	QPSK	10MHz	25	0
Band14	22.74	23330	793	QPSK	10MHz	25	12
Band14	22.71	23330	793	QPSK	10MHz	25	25

Band14	22.28	23330	793	QPSK	10MHz	50	0
Band14	22.53	23330	793	16QAM	10MHz	1	0
Band14	22.35	23330	793	16QAM	10MHz	1	24
Band14	22.32	23330	793	16QAM	10MHz	1	49
Band14	21.72	23330	793	16QAM	10MHz	25	0
Band14	21.78	23330	793	16QAM	10MHz	25	12
Band14	21.68	23330	793	16QAM	10MHz	25	25
Band14	21.17	23330	793	16QAM	10MHz	50	0
Band14	21.75	23330	793	64QAM	10MHz	1	0
Band14	21.54	23330	793	64QAM	10MHz	1	24
Band14	21.58	23330	793	64QAM	10MHz	1	49
Band14	20.74	23330	793	64QAM	10MHz	25	0
Band14	20.79	23330	793	64QAM	10MHz	25	12
Band14	20.67	23330	793	64QAM	10MHz	25	25
Band14	20.40	23330	793	64QAM	10MHz	50	0
Band25	23.21	26047	1850.7	QPSK	1.4MHz	1	0
Band25	23.16	26047	1850.7	QPSK	1.4MHz	1	2
Band25	23.14	26047	1850.7	QPSK	1.4MHz	1	5
Band25	22.91	26047	1850.7	QPSK	1.4MHz	3	0
Band25	22.94	26047	1850.7	QPSK	1.4MHz	3	1
Band25	22.88	26047	1850.7	QPSK	1.4MHz	3	3
Band25	22.21	26047	1850.7	QPSK	1.4MHz	6	0
Band25	23.24	26365	1882.5	QPSK	1.4MHz	1	0
Band25	23.20	26365	1882.5	QPSK	1.4MHz	1	2
Band25	23.15	26365	1882.5	QPSK	1.4MHz	1	5
Band25	22.97	26365	1882.5	QPSK	1.4MHz	3	0
Band25	22.94	26365	1882.5	QPSK	1.4MHz	3	1
Band25	22.80	26365	1882.5	QPSK	1.4MHz	3	3
Band25	22.28	26365	1882.5	QPSK	1.4MHz	6	0
Band25	23.23	26683	1914.3	QPSK	1.4MHz	1	0
Band25	23.20	26683	1914.3	QPSK	1.4MHz	1	2
Band25	23.18	26683	1914.3	QPSK	1.4MHz	1	5
Band25	22.90	26683	1914.3	QPSK	1.4MHz	3	0
Band25	22.85	26683	1914.3	QPSK	1.4MHz	3	1
Band25	22.91	26683	1914.3	QPSK	1.4MHz	3	3
Band25	22.25	26683	1914.3	QPSK	1.4MHz	6	0
Band25	22.51	26047	1850.7	16QAM	1.4MHz	1	0
Band25	22.45	26047	1850.7	16QAM	1.4MHz	1	2

Band25	22.43	26047	1850.7	16QAM	1.4MHz	1	5
Band25	21.86	26047	1850.7	16QAM	1.4MHz	3	0
Band25	21.91	26047	1850.7	16QAM	1.4MHz	3	1
Band25	21.88	26047	1850.7	16QAM	1.4MHz	3	3
Band25	21.35	26047	1850.7	16QAM	1.4MHz	6	0
Band25	22.42	26365	1882.5	16QAM	1.4MHz	1	0
Band25	22.51	26365	1882.5	16QAM	1.4MHz	1	2
Band25	22.42	26365	1882.5	16QAM	1.4MHz	1	5
Band25	21.84	26365	1882.5	16QAM	1.4MHz	3	0
Band25	21.88	26365	1882.5	16QAM	1.4MHz	3	1
Band25	21.77	26365	1882.5	16QAM	1.4MHz	3	3
Band25	21.34	26365	1882.5	16QAM	1.4MHz	6	0
Band25	22.46	26683	1914.3	16QAM	1.4MHz	1	0
Band25	22.44	26683	1914.3	16QAM	1.4MHz	1	2
Band25	22.41	26683	1914.3	16QAM	1.4MHz	1	5
Band25	21.91	26683	1914.3	16QAM	1.4MHz	3	0
Band25	21.94	26683	1914.3	16QAM	1.4MHz	3	1
Band25	21.84	26683	1914.3	16QAM	1.4MHz	3	3
Band25	21.33	26683	1914.3	16QAM	1.4MHz	6	0
Band25	21.76	26047	1850.7	64QAM	1.4MHz	1	0
Band25	21.67	26047	1850.7	64QAM	1.4MHz	1	2
Band25	21.71	26047	1850.7	64QAM	1.4MHz	1	5
Band25	20.87	26047	1850.7	64QAM	1.4MHz	3	0
Band25	20.88	26047	1850.7	64QAM	1.4MHz	3	1
Band25	20.83	26047	1850.7	64QAM	1.4MHz	3	3
Band25	20.59	26047	1850.7	64QAM	1.4MHz	6	0
Band25	21.74	26365	1882.5	64QAM	1.4MHz	1	0
Band25	21.79	26365	1882.5	64QAM	1.4MHz	1	2
Band25	21.72	26365	1882.5	64QAM	1.4MHz	1	5
Band25	20.86	26365	1882.5	64QAM	1.4MHz	3	0
Band25	20.88	26365	1882.5	64QAM	1.4MHz	3	1
Band25	20.76	26365	1882.5	64QAM	1.4MHz	3	3
Band25	20.59	26365	1882.5	64QAM	1.4MHz	6	0
Band25	21.74	26683	1914.3	64QAM	1.4MHz	1	0
Band25	21.68	26683	1914.3	64QAM	1.4MHz	1	2
Band25	21.65	26683	1914.3	64QAM	1.4MHz	1	5
Band25	20.94	26683	1914.3	64QAM	1.4MHz	3	0
Band25	20.92	26683	1914.3	64QAM	1.4MHz	3	1

Band25	20.87	26683	1914.3	64QAM	1.4MHz	3	3
Band25	20.56	26683	1914.3	64QAM	1.4MHz	6	0
Band25	23.19	26055	1851.5	QPSK	3MHz	1	0
Band25	23.13	26055	1851.5	QPSK	3MHz	1	7
Band25	23.09	26055	1851.5	QPSK	3MHz	1	14
Band25	22.83	26055	1851.5	QPSK	3MHz	8	0
Band25	22.97	26055	1851.5	QPSK	3MHz	8	3
Band25	22.96	26055	1851.5	QPSK	3MHz	8	7
Band25	22.08	26055	1851.5	QPSK	3MHz	15	0
Band25	23.22	26365	1882.5	QPSK	3MHz	1	0
Band25	23.13	26365	1882.5	QPSK	3MHz	1	7
Band25	23.17	26365	1882.5	QPSK	3MHz	1	14
Band25	22.89	26365	1882.5	QPSK	3MHz	8	0
Band25	22.95	26365	1882.5	QPSK	3MHz	8	3
Band25	22.86	26365	1882.5	QPSK	3MHz	8	7
Band25	22.25	26365	1882.5	QPSK	3MHz	15	0
Band25	23.18	26675	1913.5	QPSK	3MHz	1	0
Band25	23.06	26675	1913.5	QPSK	3MHz	1	7
Band25	23.01	26675	1913.5	QPSK	3MHz	1	14
Band25	22.91	26675	1913.5	QPSK	3MHz	8	0
Band25	22.99	26675	1913.5	QPSK	3MHz	8	3
Band25	22.90	26675	1913.5	QPSK	3MHz	8	7
Band25	22.12	26675	1913.5	QPSK	3MHz	15	0
Band25	22.42	26055	1851.5	16QAM	3MHz	1	0
Band25	22.36	26055	1851.5	16QAM	3MHz	1	7
Band25	22.32	26055	1851.5	16QAM	3MHz	1	14
Band25	21.78	26055	1851.5	16QAM	3MHz	8	0
Band25	21.83	26055	1851.5	16QAM	3MHz	8	3
Band25	21.83	26055	1851.5	16QAM	3MHz	8	7
Band25	21.26	26055	1851.5	16QAM	3MHz	15	0
Band25	22.41	26365	1882.5	16QAM	3MHz	1	0
Band25	22.32	26365	1882.5	16QAM	3MHz	1	7
Band25	22.34	26365	1882.5	16QAM	3MHz	1	14
Band25	21.73	26365	1882.5	16QAM	3MHz	8	0
Band25	21.78	26365	1882.5	16QAM	3MHz	8	3
Band25	21.73	26365	1882.5	16QAM	3MHz	8	7
Band25	21.21	26365	1882.5	16QAM	3MHz	15	0
Band25	22.40	26675	1913.5	16QAM	3MHz	1	0

Band25	22.31	26675	1913.5	16QAM	3MHz	1	7
Band25	22.27	26675	1913.5	16QAM	3MHz	1	14
Band25	21.78	26675	1913.5	16QAM	3MHz	8	0
Band25	21.81	26675	1913.5	16QAM	3MHz	8	3
Band25	21.71	26675	1913.5	16QAM	3MHz	8	7
Band25	21.22	26675	1913.5	16QAM	3MHz	15	0
Band25	21.81	26055	1851.5	64QAM	3MHz	1	0
Band25	21.66	26055	1851.5	64QAM	3MHz	1	7
Band25	21.72	26055	1851.5	64QAM	3MHz	1	14
Band25	20.82	26055	1851.5	64QAM	3MHz	8	0
Band25	20.83	26055	1851.5	64QAM	3MHz	8	3
Band25	20.88	26055	1851.5	64QAM	3MHz	8	7
Band25	20.60	26055	1851.5	64QAM	3MHz	15	0
Band25	21.68	26365	1882.5	64QAM	3MHz	1	0
Band25	21.82	26365	1882.5	64QAM	3MHz	1	7
Band25	21.65	26365	1882.5	64QAM	3MHz	1	14
Band25	20.80	26365	1882.5	64QAM	3MHz	8	0
Band25	20.84	26365	1882.5	64QAM	3MHz	8	3
Band25	20.71	26365	1882.5	64QAM	3MHz	8	7
Band25	20.63	26365	1882.5	64QAM	3MHz	15	0
Band25	21.72	26675	1913.5	64QAM	3MHz	1	0
Band25	21.72	26675	1913.5	64QAM	3MHz	1	7
Band25	21.67	26675	1913.5	64QAM	3MHz	1	14
Band25	20.89	26675	1913.5	64QAM	3MHz	8	0
Band25	20.89	26675	1913.5	64QAM	3MHz	8	3
Band25	20.83	26675	1913.5	64QAM	3MHz	8	7
Band25	20.63	26675	1913.5	64QAM	3MHz	15	0
Band25	23.25	26065	1852.5	QPSK	5MHz	1	0
Band25	23.22	26065	1852.5	QPSK	5MHz	1	12
Band25	23.19	26065	1852.5	QPSK	5MHz	1	24
Band25	22.85	26065	1852.5	QPSK	5MHz	12	0
Band25	22.97	26065	1852.5	QPSK	5MHz	12	6
Band25	22.96	26065	1852.5	QPSK	5MHz	12	13
Band25	22.10	26065	1852.5	QPSK	5MHz	25	0
Band25	23.24	26365	1882.5	QPSK	5MHz	1	0
Band25	23.21	26365	1882.5	QPSK	5MHz	1	12
Band25	23.15	26365	1882.5	QPSK	5MHz	1	24
Band25	22.85	26365	1882.5	QPSK	5MHz	12	0

Band25	22.92	26365	1882.5	QPSK	5MHz	12	6
Band25	22.90	26365	1882.5	QPSK	5MHz	12	13
Band25	22.27	26365	1882.5	QPSK	5MHz	25	0
Band25	23.23	26665	1912.5	QPSK	5MHz	1	0
Band25	23.18	26665	1912.5	QPSK	5MHz	1	12
Band25	23.16	26665	1912.5	QPSK	5MHz	1	24
Band25	22.91	26665	1912.5	QPSK	5MHz	12	0
Band25	22.80	26665	1912.5	QPSK	5MHz	12	6
Band25	22.84	26665	1912.5	QPSK	5MHz	12	13
Band25	22.21	26665	1912.5	QPSK	5MHz	25	0
Band25	22.53	26065	1852.5	16QAM	5MHz	1	0
Band25	22.43	26065	1852.5	16QAM	5MHz	1	12
Band25	22.41	26065	1852.5	16QAM	5MHz	1	24
Band25	21.78	26065	1852.5	16QAM	5MHz	12	0
Band25	21.87	26065	1852.5	16QAM	5MHz	12	6
Band25	21.88	26065	1852.5	16QAM	5MHz	12	13
Band25	21.21	26065	1852.5	16QAM	5MHz	25	0
Band25	22.45	26365	1882.5	16QAM	5MHz	1	0
Band25	22.37	26365	1882.5	16QAM	5MHz	1	12
Band25	22.41	26365	1882.5	16QAM	5MHz	1	24
Band25	21.75	26365	1882.5	16QAM	5MHz	12	0
Band25	21.81	26365	1882.5	16QAM	5MHz	12	6
Band25	21.78	26365	1882.5	16QAM	5MHz	12	13
Band25	21.20	26365	1882.5	16QAM	5MHz	25	0
Band25	22.51	26665	1912.5	16QAM	5MHz	1	0
Band25	22.46	26665	1912.5	16QAM	5MHz	1	12
Band25	22.43	26665	1912.5	16QAM	5MHz	1	24
Band25	21.85	26665	1912.5	16QAM	5MHz	12	0
Band25	21.82	26665	1912.5	16QAM	5MHz	12	6
Band25	21.78	26665	1912.5	16QAM	5MHz	12	11
Band25	21.28	26665	1912.5	16QAM	5MHz	25	0
Band25	21.77	26065	1852.5	64QAM	5MHz	1	0
Band25	21.70	26065	1852.5	64QAM	5MHz	1	12
Band25	21.64	26065	1852.5	64QAM	5MHz	1	24
Band25	20.81	26065	1852.5	64QAM	5MHz	12	0
Band25	20.89	26065	1852.5	64QAM	5MHz	12	6
Band25	20.89	26065	1852.5	64QAM	5MHz	12	13
Band25	20.64	26065	1852.5	64QAM	5MHz	25	0

Band25	21.72	26365	1882.5	64QAM	5MHz	1	0
Band25	21.81	26365	1882.5	64QAM	5MHz	1	12
Band25	21.68	26365	1882.5	64QAM	5MHz	1	24
Band25	20.86	26365	1882.5	64QAM	5MHz	12	0
Band25	20.91	26365	1882.5	64QAM	5MHz	12	6
Band25	20.74	26365	1882.5	64QAM	5MHz	12	13
Band25	20.61	26365	1882.5	64QAM	5MHz	25	0
Band25	21.71	26665	1912.5	64QAM	5MHz	1	0
Band25	21.73	26665	1912.5	64QAM	5MHz	1	12
Band25	21.65	26665	1912.5	64QAM	5MHz	1	24
Band25	20.94	26665	1912.5	64QAM	5MHz	12	0
Band25	20.97	26665	1912.5	64QAM	5MHz	12	6
Band25	20.80	26665	1912.5	64QAM	5MHz	12	11
Band25	20.56	26665	1912.5	64QAM	5MHz	25	0
Band25	23.22	26090	1855	QPSK	10MHz	1	0
Band25	23.18	26090	1855	QPSK	10MHz	1	24
Band25	23.11	26090	1855	QPSK	10MHz	1	49
Band25	22.88	26090	1855	QPSK	10MHz	25	0
Band25	22.94	26090	1855	QPSK	10MHz	25	12
Band25	22.96	26090	1855	QPSK	10MHz	25	25
Band25	22.16	26090	1855	QPSK	10MHz	50	0
Band25	23.23	26365	1882.5	QPSK	10MHz	1	0
Band25	23.21	26365	1882.5	QPSK	10MHz	1	24
Band25	23.18	26365	1882.5	QPSK	10MHz	1	49
Band25	22.95	26365	1882.5	QPSK	10MHz	25	0
Band25	22.90	26365	1882.5	QPSK	10MHz	25	12
Band25	22.88	26365	1882.5	QPSK	10MHz	25	25
Band25	22.10	26365	1882.5	QPSK	10MHz	50	0
Band25	23.20	26640	1910	QPSK	10MHz	1	0
Band25	23.18	26640	1910	QPSK	10MHz	1	24
Band25	23.13	26640	1910	QPSK	10MHz	1	49
Band25	22.83	26640	1910	QPSK	10MHz	25	0
Band25	22.80	26640	1910	QPSK	10MHz	25	12
Band25	22.84	26640	1910	QPSK	10MHz	25	25
Band25	22.23	26640	1910	QPSK	10MHz	50	0
Band25	22.51	26090	1855	16QAM	10MHz	1	0
Band25	22.42	26090	1855	16QAM	10MHz	1	24
Band25	22.35	26090	1855	16QAM	10MHz	1	49

Band25	21.81	26090	1855	16QAM	10MHz	25	0
Band25	21.81	26090	1855	16QAM	10MHz	25	12
Band25	21.84	26090	1855	16QAM	10MHz	25	25
Band25	21.15	26090	1855	16QAM	10MHz	50	0
Band25	22.58	26365	1882.5	16QAM	10MHz	1	0
Band25	22.48	26365	1882.5	16QAM	10MHz	1	24
Band25	22.42	26365	1882.5	16QAM	10MHz	1	49
Band25	21.85	26365	1882.5	16QAM	10MHz	25	0
Band25	21.95	26365	1882.5	16QAM	10MHz	25	12
Band25	21.72	26365	1882.5	16QAM	10MHz	25	25
Band25	21.24	26365	1882.5	16QAM	10MHz	50	0
Band25	22.50	26640	1910	16QAM	10MHz	1	0
Band25	22.33	26640	1910	16QAM	10MHz	1	24
Band25	22.44	26640	1910	16QAM	10MHz	1	49
Band25	21.85	26640	1910	16QAM	10MHz	25	0
Band25	21.86	26640	1910	16QAM	10MHz	25	12
Band25	21.68	26640	1910	16QAM	10MHz	25	25
Band25	21.18	26640	1910	16QAM	10MHz	50	0
Band25	21.75	26090	1855	64QAM	10MHz	1	0
Band25	21.73	26090	1855	64QAM	10MHz	1	24
Band25	21.68	26090	1855	64QAM	10MHz	1	49
Band25	20.79	26090	1855	64QAM	10MHz	25	0
Band25	20.88	26090	1855	64QAM	10MHz	25	12
Band25	20.86	26090	1855	64QAM	10MHz	25	25
Band25	20.59	26090	1855	64QAM	10MHz	50	0
Band25	21.66	26365	1882.5	64QAM	10MHz	1	0
Band25	21.82	26365	1882.5	64QAM	10MHz	1	24
Band25	21.67	26365	1882.5	64QAM	10MHz	1	49
Band25	20.88	26365	1882.5	64QAM	10MHz	25	0
Band25	20.89	26365	1882.5	64QAM	10MHz	25	12
Band25	20.72	26365	1882.5	64QAM	10MHz	25	25
Band25	20.61	26365	1882.5	64QAM	10MHz	50	0
Band25	21.69	26640	1910	64QAM	10MHz	1	0
Band25	21.72	26640	1910	64QAM	10MHz	1	24
Band25	21.69	26640	1910	64QAM	10MHz	1	49
Band25	20.87	26640	1910	64QAM	10MHz	25	0
Band25	20.93	26640	1910	64QAM	10MHz	25	12
Band25	20.80	26640	1910	64QAM	10MHz	25	25

Band25	20.64	26640	1910	64QAM	10MHz	50	0
Band25	23.26	26115	1857.5	QPSK	15MHz	1	0
Band25	23.12	26115	1857.5	QPSK	15MHz	1	37
Band25	23.20	26115	1857.5	QPSK	15MHz	1	74
Band25	22.97	26115	1857.5	QPSK	15MHz	36	0
Band25	22.93	26115	1857.5	QPSK	15MHz	36	19
Band25	22.84	26115	1857.5	QPSK	15MHz	36	39
Band25	22.14	26115	1857.5	QPSK	15MHz	75	0
Band25	23.25	26365	1882.5	QPSK	15MHz	1	0
Band25	23.01	26365	1882.5	QPSK	15MHz	1	37
Band25	22.93	26365	1882.5	QPSK	15MHz	1	74
Band25	22.94	26365	1882.5	QPSK	15MHz	36	0
Band25	22.80	26365	1882.5	QPSK	15MHz	36	19
Band25	22.73	26365	1882.5	QPSK	15MHz	36	39
Band25	22.25	26365	1882.5	QPSK	15MHz	75	0
Band25	23.24	26615	1907.5	QPSK	15MHz	1	0
Band25	23.19	26615	1907.5	QPSK	15MHz	1	37
Band25	23.15	26615	1907.5	QPSK	15MHz	1	74
Band25	22.91	26615	1907.5	QPSK	15MHz	36	0
Band25	22.83	26615	1907.5	QPSK	15MHz	36	19
Band25	22.78	26615	1907.5	QPSK	15MHz	36	39
Band25	22.19	26615	1907.5	QPSK	15MHz	75	0
Band25	22.47	26115	1857.5	16QAM	15MHz	1	0
Band25	22.35	26115	1857.5	16QAM	15MHz	1	37
Band25	22.40	26115	1857.5	16QAM	15MHz	1	74
Band25	21.80	26115	1857.5	16QAM	15MHz	36	0
Band25	21.82	26115	1857.5	16QAM	15MHz	36	19
Band25	21.89	26115	1857.5	16QAM	15MHz	36	39
Band25	21.17	26115	1857.5	16QAM	15MHz	75	0
Band25	22.43	26365	1882.5	16QAM	15MHz	1	0
Band25	22.27	26365	1882.5	16QAM	15MHz	1	37
Band25	22.28	26365	1882.5	16QAM	15MHz	1	74
Band25	21.62	26365	1882.5	16QAM	15MHz	36	0
Band25	21.63	26365	1882.5	16QAM	15MHz	36	19
Band25	21.71	26365	1882.5	16QAM	15MHz	36	39
Band25	21.15	26365	1882.5	16QAM	15MHz	75	0
Band25	22.44	26615	1907.5	16QAM	15MHz	1	0
Band25	22.37	26615	1907.5	16QAM	15MHz	1	37

Band25	22.32	26615	1907.5	16QAM	15MHz	1	74
Band25	21.72	26615	1907.5	16QAM	15MHz	36	0
Band25	21.73	26615	1907.5	16QAM	15MHz	36	19
Band25	21.68	26615	1907.5	16QAM	15MHz	36	39
Band25	21.19	26615	1907.5	16QAM	15MHz	75	0
Band25	21.72	26115	1857.5	64QAM	15MHz	1	0
Band25	21.73	26115	1857.5	64QAM	15MHz	1	37
Band25	21.71	26115	1857.5	64QAM	15MHz	1	74
Band25	20.83	26115	1857.5	64QAM	15MHz	36	0
Band25	20.91	26115	1857.5	64QAM	15MHz	36	19
Band25	20.87	26115	1857.5	64QAM	15MHz	36	39
Band25	20.58	26115	1857.5	64QAM	15MHz	75	0
Band25	21.72	26365	1882.5	64QAM	15MHz	1	0
Band25	21.82	26365	1882.5	64QAM	15MHz	1	37
Band25	21.64	26365	1882.5	64QAM	15MHz	1	74
Band25	20.80	26365	1882.5	64QAM	15MHz	36	0
Band25	20.90	26365	1882.5	64QAM	15MHz	36	19
Band25	20.76	26365	1882.5	64QAM	15MHz	36	39
Band25	20.58	26365	1882.5	64QAM	15MHz	75	0
Band25	21.72	26615	1907.5	64QAM	15MHz	1	0
Band25	21.73	26615	1907.5	64QAM	15MHz	1	37
Band25	21.70	26615	1907.5	64QAM	15MHz	1	74
Band25	20.95	26615	1907.5	64QAM	15MHz	36	0
Band25	20.92	26615	1907.5	64QAM	15MHz	36	19
Band25	20.83	26615	1907.5	64QAM	15MHz	36	39
Band25	20.60	26615	1907.5	64QAM	15MHz	75	0
Band25	23.29	26140	1860	QPSK	20MHz	1	0
Band25	23.18	26140	1860	QPSK	20MHz	1	49
Band25	23.12	26140	1860	QPSK	20MHz	1	99
Band25	22.87	26140	1860	QPSK	20MHz	50	0
Band25	22.92	26140	1860	QPSK	20MHz	50	25
Band25	22.88	26140	1860	QPSK	20MHz	50	50
Band25	22.23	26140	1860	QPSK	20MHz	100	0
Band25	23.27	26365	1882.5	QPSK	20MHz	1	0
Band25	23.18	26365	1882.5	QPSK	20MHz	1	49
Band25	23.16	26365	1882.5	QPSK	20MHz	1	99
Band25	22.80	26365	1882.5	QPSK	20MHz	50	0
Band25	22.80	26365	1882.5	QPSK	20MHz	50	25

Band25	22.78	26365	1882.5	QPSK	20MHz	50	50
Band25	22.25	26365	1882.5	QPSK	20MHz	100	0
Band25	23.24	26590	1905	QPSK	20MHz	1	0
Band25	23.18	26590	1905	QPSK	20MHz	1	49
Band25	23.16	26590	1905	QPSK	20MHz	1	99
Band25	22.81	26590	1905	QPSK	20MHz	50	0
Band25	22.76	26590	1905	QPSK	20MHz	50	25
Band25	22.74	26590	1905	QPSK	20MHz	50	50
Band25	22.23	26590	1905	QPSK	20MHz	100	0
Band25	22.46	26140	1860	16QAM	20MHz	1	0
Band25	22.42	26140	1860	16QAM	20MHz	1	49
Band25	22.35	26140	1860	16QAM	20MHz	1	99
Band25	21.85	26140	1860	16QAM	20MHz	50	0
Band25	21.95	26140	1860	16QAM	20MHz	50	25
Band25	21.92	26140	1860	16QAM	20MHz	50	50
Band25	21.19	26140	1860	16QAM	20MHz	100	0
Band25	22.42	26365	1882.5	16QAM	20MHz	1	0
Band25	22.36	26365	1882.5	16QAM	20MHz	1	49
Band25	22.31	26365	1882.5	16QAM	20MHz	1	99
Band25	21.80	26365	1882.5	16QAM	20MHz	50	0
Band25	21.79	26365	1882.5	16QAM	20MHz	50	25
Band25	21.73	26365	1882.5	16QAM	20MHz	50	50
Band25	21.13	26365	1882.5	16QAM	20MHz	100	0
Band25	22.46	26590	1905	16QAM	20MHz	1	0
Band25	22.40	26590	1905	16QAM	20MHz	1	49
Band25	22.33	26590	1905	16QAM	20MHz	1	99
Band25	21.83	26590	1905	16QAM	20MHz	50	0
Band25	21.81	26590	1905	16QAM	20MHz	50	25
Band25	21.69	26590	1905	16QAM	20MHz	50	50
Band25	21.11	26590	1905	16QAM	20MHz	100	0
Band25	21.76	26140	1860	64QAM	20MHz	1	0
Band25	21.67	26140	1860	64QAM	20MHz	1	49
Band25	21.64	26140	1860	64QAM	20MHz	1	99
Band25	20.87	26140	1860	64QAM	20MHz	50	0
Band25	20.91	26140	1860	64QAM	20MHz	50	25
Band25	20.87	26140	1860	64QAM	20MHz	50	50
Band25	20.59	26140	1860	64QAM	20MHz	100	0
Band25	21.74	26365	1882.5	64QAM	20MHz	1	0

Band25	21.73	26365	1882.5	64QAM	20MHz	1	49
Band25	21.73	26365	1882.5	64QAM	20MHz	1	99
Band25	20.86	26365	1882.5	64QAM	20MHz	50	0
Band25	20.86	26365	1882.5	64QAM	20MHz	50	25
Band25	20.74	26365	1882.5	64QAM	20MHz	50	50
Band25	20.64	26365	1882.5	64QAM	20MHz	100	0
Band25	21.76	26590	1905	64QAM	20MHz	1	0
Band25	21.72	26590	1905	64QAM	20MHz	1	49
Band25	21.70	26590	1905	64QAM	20MHz	1	99
Band25	20.95	26590	1905	64QAM	20MHz	50	0
Band25	20.97	26590	1905	64QAM	20MHz	50	25
Band25	20.86	26590	1905	64QAM	20MHz	50	50
Band25	20.58	26590	1905	64QAM	20MHz	100	0
Band26 (814-824)	23.17	26697	814.7	QPSK	1.4MHz	1	0
Band26 (814-824)	23.12	26697	814.7	QPSK	1.4MHz	1	2
Band26 (814-824)	23.08	26697	814.7	QPSK	1.4MHz	1	5
Band26 (814-824)	22.74	26697	814.7	QPSK	1.4MHz	3	0
Band26 (814-824)	22.76	26697	814.7	QPSK	1.4MHz	3	1
Band26 (814-824)	22.75	26697	814.7	QPSK	1.4MHz	3	3
Band26 (814-824)	22.18	26697	814.7	QPSK	1.4MHz	6	0
Band26 (814-824)	23.10	26740	819	QPSK	1.4MHz	1	0
Band26 (814-824)	23.09	26740	819	QPSK	1.4MHz	1	2
Band26 (814-824)	23.13	26740	819	QPSK	1.4MHz	1	5
Band26 (814-824)	22.69	26740	819	QPSK	1.4MHz	3	0
Band26 (814-824)	22.65	26740	819	QPSK	1.4MHz	3	1
Band26 (814-824)	22.72	26740	819	QPSK	1.4MHz	3	3
Band26 (814-824)	22.18	26740	819	QPSK	1.4MHz	6	0
Band26 (814-824)	23.07	26783	823.3	QPSK	1.4MHz	1	0
Band26 (814-824)	23.06	26783	823.3	QPSK	1.4MHz	1	2
Band26 (814-824)	22.91	26783	823.3	QPSK	1.4MHz	1	5
Band26 (814-824)	22.64	26783	823.3	QPSK	1.4MHz	3	0
Band26 (814-824)	22.59	26783	823.3	QPSK	1.4MHz	3	1
Band26 (814-824)	22.66	26783	823.3	QPSK	1.4MHz	3	3
Band26 (814-824)	22.12	26783	823.3	QPSK	1.4MHz	6	0
Band26 (814-824)	22.50	26697	814.7	16QAM	1.4MHz	1	0
Band26 (814-824)	22.43	26697	814.7	16QAM	1.4MHz	1	2
Band26 (814-824)	22.41	26697	814.7	16QAM	1.4MHz	1	5
Band26 (814-824)	21.83	26697	814.7	16QAM	1.4MHz	3	0

Band26 (814-824)	21.88	26697	814.7	16QAM	1.4MHz	3	1
Band26 (814-824)	21.84	26697	814.7	16QAM	1.4MHz	3	3
Band26 (814-824)	21.21	26697	814.7	16QAM	1.4MHz	6	0
Band26 (814-824)	22.48	26740	819	16QAM	1.4MHz	1	0
Band26 (814-824)	22.41	26740	819	16QAM	1.4MHz	1	2
Band26 (814-824)	22.41	26740	819	16QAM	1.4MHz	1	5
Band26 (814-824)	21.77	26740	819	16QAM	1.4MHz	3	0
Band26 (814-824)	21.92	26740	819	16QAM	1.4MHz	3	1
Band26 (814-824)	21.84	26740	819	16QAM	1.4MHz	3	3
Band26 (814-824)	21.24	26740	819	16QAM	1.4MHz	6	0
Band26 (814-824)	22.43	26783	823.3	16QAM	1.4MHz	1	0
Band26 (814-824)	22.36	26783	823.3	16QAM	1.4MHz	1	2
Band26 (814-824)	22.33	26783	823.3	16QAM	1.4MHz	1	5
Band26 (814-824)	21.62	26783	823.3	16QAM	1.4MHz	3	0
Band26 (814-824)	21.67	26783	823.3	16QAM	1.4MHz	3	1
Band26 (814-824)	21.61	26783	823.3	16QAM	1.4MHz	3	3
Band26 (814-824)	21.09	26783	823.3	16QAM	1.4MHz	6	0
Band26 (814-824)	21.78	26697	814.7	64QAM	1.4MHz	1	0
Band26 (814-824)	21.73	26697	814.7	64QAM	1.4MHz	1	2
Band26 (814-824)	21.71	26697	814.7	64QAM	1.4MHz	1	5
Band26 (814-824)	20.80	26697	814.7	64QAM	1.4MHz	3	0
Band26 (814-824)	20.87	26697	814.7	64QAM	1.4MHz	3	1
Band26 (814-824)	20.84	26697	814.7	64QAM	1.4MHz	3	3
Band26 (814-824)	20.42	26697	814.7	64QAM	1.4MHz	6	0
Band26 (814-824)	21.79	26740	819	64QAM	1.4MHz	1	0
Band26 (814-824)	21.65	26740	819	64QAM	1.4MHz	1	2
Band26 (814-824)	21.70	26740	819	64QAM	1.4MHz	1	5
Band26 (814-824)	20.78	26740	819	64QAM	1.4MHz	3	0
Band26 (814-824)	20.81	26740	819	64QAM	1.4MHz	3	1
Band26 (814-824)	20.77	26740	819	64QAM	1.4MHz	3	3
Band26 (814-824)	20.40	26740	819	64QAM	1.4MHz	6	0
Band26 (814-824)	21.65	26783	823.3	64QAM	1.4MHz	1	0
Band26 (814-824)	21.69	26783	823.3	64QAM	1.4MHz	1	2
Band26 (814-824)	21.53	26783	823.3	64QAM	1.4MHz	1	5
Band26 (814-824)	20.69	26783	823.3	64QAM	1.4MHz	3	0
Band26 (814-824)	20.76	26783	823.3	64QAM	1.4MHz	3	1
Band26 (814-824)	20.68	26783	823.3	64QAM	1.4MHz	3	3
Band26 (814-824)	20.35	26783	823.3	64QAM	1.4MHz	6	0

Band26 (814-824)	23.19	26705	815.5	QPSK	3MHz	1	0
Band26 (814-824)	23.17	26705	815.5	QPSK	3MHz	1	7
Band26 (814-824)	23.12	26705	815.5	QPSK	3MHz	1	14
Band26 (814-824)	22.66	26705	815.5	QPSK	3MHz	8	0
Band26 (814-824)	22.71	26705	815.5	QPSK	3MHz	8	3
Band26 (814-824)	22.68	26705	815.5	QPSK	3MHz	8	7
Band26 (814-824)	22.24	26705	815.5	QPSK	3MHz	15	0
Band26 (814-824)	23.14	26740	819	QPSK	3MHz	1	0
Band26 (814-824)	23.12	26740	819	QPSK	3MHz	1	7
Band26 (814-824)	22.95	26740	819	QPSK	3MHz	1	14
Band26 (814-824)	22.60	26740	819	QPSK	3MHz	8	0
Band26 (814-824)	22.68	26740	819	QPSK	3MHz	8	3
Band26 (814-824)	21.85	26740	819	QPSK	3MHz	8	7
Band26 (814-824)	22.17	26740	819	QPSK	3MHz	15	0
Band26 (814-824)	23.18	26775	822.5	QPSK	3MHz	1	0
Band26 (814-824)	23.12	26775	822.5	QPSK	3MHz	1	7
Band26 (814-824)	23.08	26775	822.5	QPSK	3MHz	1	14
Band26 (814-824)	22.58	26775	822.5	QPSK	3MHz	8	0
Band26 (814-824)	22.60	26775	822.5	QPSK	3MHz	8	3
Band26 (814-824)	22.63	26775	822.5	QPSK	3MHz	8	7
Band26 (814-824)	22.08	26775	822.5	QPSK	3MHz	15	0
Band26 (814-824)	22.50	26705	815.5	16QAM	3MHz	1	0
Band26 (814-824)	22.48	26705	815.5	16QAM	3MHz	1	7
Band26 (814-824)	22.46	26705	815.5	16QAM	3MHz	1	14
Band26 (814-824)	21.77	26705	815.5	16QAM	3MHz	8	0
Band26 (814-824)	21.75	26705	815.5	16QAM	3MHz	8	3
Band26 (814-824)	21.74	26705	815.5	16QAM	3MHz	8	7
Band26 (814-824)	21.24	26705	815.5	16QAM	3MHz	15	0
Band26 (814-824)	22.42	26740	819	16QAM	3MHz	1	0
Band26 (814-824)	22.41	26740	819	16QAM	3MHz	1	7
Band26 (814-824)	22.42	26740	819	16QAM	3MHz	1	14
Band26 (814-824)	21.64	26740	819	16QAM	3MHz	8	0
Band26 (814-824)	21.59	26740	819	16QAM	3MHz	8	3
Band26 (814-824)	21.71	26740	819	16QAM	3MHz	8	7
Band26 (814-824)	21.18	26740	819	16QAM	3MHz	15	0
Band26 (814-824)	22.34	26775	822.5	16QAM	3MHz	1	0
Band26 (814-824)	22.28	26775	822.5	16QAM	3MHz	1	7
Band26 (814-824)	22.28	26775	822.5	16QAM	3MHz	1	14

Band26 (814-824)	21.62	26775	822.5	16QAM	3MHz	8	0
Band26 (814-824)	21.65	26775	822.5	16QAM	3MHz	8	3
Band26 (814-824)	21.60	26775	822.5	16QAM	3MHz	8	7
Band26 (814-824)	21.05	26775	822.5	16QAM	3MHz	15	0
Band26 (814-824)	21.75	26705	815.5	64QAM	3MHz	1	0
Band26 (814-824)	21.71	26705	815.5	64QAM	3MHz	1	7
Band26 (814-824)	21.61	26705	815.5	64QAM	3MHz	1	14
Band26 (814-824)	20.83	26705	815.5	64QAM	3MHz	8	0
Band26 (814-824)	20.91	26705	815.5	64QAM	3MHz	8	3
Band26 (814-824)	20.82	26705	815.5	64QAM	3MHz	8	7
Band26 (814-824)	20.48	26705	815.5	64QAM	3MHz	15	0
Band26 (814-824)	21.80	26740	819	64QAM	3MHz	1	0
Band26 (814-824)	21.67	26740	819	64QAM	3MHz	1	7
Band26 (814-824)	21.72	26740	819	64QAM	3MHz	1	14
Band26 (814-824)	20.80	26740	819	64QAM	3MHz	8	0
Band26 (814-824)	20.82	26740	819	64QAM	3MHz	8	3
Band26 (814-824)	20.79	26740	819	64QAM	3MHz	8	7
Band26 (814-824)	20.52	26740	819	64QAM	3MHz	15	0
Band26 (814-824)	21.72	26775	822.5	64QAM	3MHz	1	0
Band26 (814-824)	21.59	26775	822.5	64QAM	3MHz	1	7
Band26 (814-824)	21.57	26775	822.5	64QAM	3MHz	1	14
Band26 (814-824)	20.63	26775	822.5	64QAM	3MHz	8	0
Band26 (814-824)	20.69	26775	822.5	64QAM	3MHz	8	3
Band26 (814-824)	20.57	26775	822.5	64QAM	3MHz	8	7
Band26 (814-824)	20.39	26775	822.5	64QAM	3MHz	15	0
Band26 (814-824)	23.19	26715	816.5	QPSK	5MHz	1	0
Band26 (814-824)	23.17	26715	816.5	QPSK	5MHz	1	12
Band26 (814-824)	23.12	26715	816.5	QPSK	5MHz	1	24
Band26 (814-824)	22.63	26715	816.5	QPSK	5MHz	12	0
Band26 (814-824)	22.74	26715	816.5	QPSK	5MHz	12	6
Band26 (814-824)	22.71	26715	816.5	QPSK	5MHz	12	13
Band26 (814-824)	22.26	26715	816.5	QPSK	5MHz	25	0
Band26 (814-824)	23.15	26740	819	QPSK	5MHz	1	0
Band26 (814-824)	23.11	26740	819	QPSK	5MHz	1	12
Band26 (814-824)	23.11	26740	819	QPSK	5MHz	1	24
Band26 (814-824)	22.76	26740	819	QPSK	5MHz	12	0
Band26 (814-824)	22.72	26740	819	QPSK	5MHz	12	6
Band26 (814-824)	22.72	26740	819	QPSK	5MHz	12	13

Band26 (814-824)	22.29	26740	819	QPSK	5MHz	25	0
Band26 (814-824)	23.20	26765	821.5	QPSK	5MHz	1	0
Band26 (814-824)	23.16	26765	821.5	QPSK	5MHz	1	12
Band26 (814-824)	23.09	26765	821.5	QPSK	5MHz	1	24
Band26 (814-824)	22.58	26765	821.5	QPSK	5MHz	12	0
Band26 (814-824)	22.58	26765	821.5	QPSK	5MHz	12	6
Band26 (814-824)	22.61	26765	821.5	QPSK	5MHz	12	13
Band26 (814-824)	22.23	26765	821.5	QPSK	5MHz	25	0
Band26 (814-824)	22.45	26715	816.5	16QAM	5MHz	1	0
Band26 (814-824)	22.44	26715	816.5	16QAM	5MHz	1	12
Band26 (814-824)	22.42	26715	816.5	16QAM	5MHz	1	24
Band26 (814-824)	21.91	26715	816.5	16QAM	5MHz	12	0
Band26 (814-824)	21.85	26715	816.5	16QAM	5MHz	12	6
Band26 (814-824)	21.81	26715	816.5	16QAM	5MHz	12	13
Band26 (814-824)	21.26	26715	816.5	16QAM	5MHz	25	0
Band26 (814-824)	22.41	26740	819	16QAM	5MHz	1	0
Band26 (814-824)	22.39	26740	819	16QAM	5MHz	1	12
Band26 (814-824)	22.32	26740	819	16QAM	5MHz	1	24
Band26 (814-824)	21.76	26740	819	16QAM	5MHz	12	0
Band26 (814-824)	21.77	26740	819	16QAM	5MHz	12	6
Band26 (814-824)	21.79	26740	819	16QAM	5MHz	12	13
Band26 (814-824)	21.18	26740	819	16QAM	5MHz	25	0
Band26 (814-824)	22.45	26765	821.5	16QAM	5MHz	1	0
Band26 (814-824)	22.39	26765	821.5	16QAM	5MHz	1	12
Band26 (814-824)	22.38	26765	821.5	16QAM	5MHz	1	24
Band26 (814-824)	21.81	26765	821.5	16QAM	5MHz	12	0
Band26 (814-824)	21.89	26765	821.5	16QAM	5MHz	12	6
Band26 (814-824)	21.83	26765	821.5	16QAM	5MHz	12	11
Band26 (814-824)	21.25	26765	821.5	16QAM	5MHz	25	0
Band26 (814-824)	21.79	26715	816.5	64QAM	5MHz	1	0
Band26 (814-824)	21.72	26715	816.5	64QAM	5MHz	1	12
Band26 (814-824)	21.62	26715	816.5	64QAM	5MHz	1	24
Band26 (814-824)	20.79	26715	816.5	64QAM	5MHz	12	0
Band26 (814-824)	20.82	26715	816.5	64QAM	5MHz	12	6
Band26 (814-824)	20.86	26715	816.5	64QAM	5MHz	12	13
Band26 (814-824)	20.51	26715	816.5	64QAM	5MHz	25	0
Band26 (814-824)	21.71	26740	819	64QAM	5MHz	1	0
Band26 (814-824)	21.65	26740	819	64QAM	5MHz	1	12

Band26 (814-824)	21.60	26740	819	64QAM	5MHz	1	24
Band26 (814-824)	20.67	26740	819	64QAM	5MHz	12	0
Band26 (814-824)	20.67	26740	819	64QAM	5MHz	12	6
Band26 (814-824)	20.67	26740	819	64QAM	5MHz	12	13
Band26 (814-824)	20.42	26740	819	64QAM	5MHz	25	0
Band26 (814-824)	21.77	26765	821.5	64QAM	5MHz	1	0
Band26 (814-824)	21.65	26765	821.5	64QAM	5MHz	1	12
Band26 (814-824)	21.62	26765	821.5	64QAM	5MHz	1	24
Band26 (814-824)	20.71	26765	821.5	64QAM	5MHz	12	0
Band26 (814-824)	20.85	26765	821.5	64QAM	5MHz	12	6
Band26 (814-824)	20.77	26765	821.5	64QAM	5MHz	12	11
Band26 (814-824)	20.47	26765	821.5	64QAM	5MHz	25	0
Band26 (814-824)	23.23	26740	819	QPSK	10MHz	1	0
Band26 (814-824)	23.09	26740	819	QPSK	10MHz	1	24
Band26 (814-824)	23.13	26740	819	QPSK	10MHz	1	49
Band26 (814-824)	22.75	26740	819	QPSK	10MHz	25	0
Band26 (814-824)	22.81	26740	819	QPSK	10MHz	25	12
Band26 (814-824)	22.79	26740	819	QPSK	10MHz	25	25
Band26 (814-824)	22.31	26740	819	QPSK	10MHz	50	0
Band26 (814-824)	22.56	26740	819	16QAM	10MHz	1	0
Band26 (814-824)	22.50	26740	819	16QAM	10MHz	1	24
Band26 (814-824)	22.44	26740	819	16QAM	10MHz	1	49
Band26 (814-824)	21.82	26740	819	16QAM	10MHz	25	0
Band26 (814-824)	21.77	26740	819	16QAM	10MHz	25	12
Band26 (814-824)	21.67	26740	819	16QAM	10MHz	25	25
Band26 (814-824)	21.30	26740	819	16QAM	10MHz	50	0
Band26 (814-824)	21.77	26740	819	64QAM	10MHz	1	0
Band26 (814-824)	21.68	26740	819	64QAM	10MHz	1	24
Band26 (814-824)	21.67	26740	819	64QAM	10MHz	1	49
Band26 (814-824)	20.87	26740	819	64QAM	10MHz	25	0
Band26 (814-824)	20.86	26740	819	64QAM	10MHz	25	12
Band26 (814-824)	20.82	26740	819	64QAM	10MHz	25	25
Band26 (814-824)	20.43	26740	819	64QAM	10MHz	50	0
Band26 (824-849)	23.02	26797	824.7	QPSK	1.4MHz	1	0
Band26 (824-849)	22.94	26797	824.7	QPSK	1.4MHz	1	2
Band26 (824-849)	22.98	26797	824.7	QPSK	1.4MHz	1	5
Band26 (824-849)	22.91	26797	824.7	QPSK	1.4MHz	3	0
Band26 (824-849)	22.88	26797	824.7	QPSK	1.4MHz	3	1

Band26 (824-849)	22.79	26797	824.7	QPSK	1.4MHz	3	3
Band26 (824-849)	22.05	26797	824.7	QPSK	1.4MHz	6	0
Band26 (824-849)	23.18	26915	836.5	QPSK	1.4MHz	1	0
Band26 (824-849)	23.03	26915	836.5	QPSK	1.4MHz	1	2
Band26 (824-849)	23.10	26915	836.5	QPSK	1.4MHz	1	5
Band26 (824-849)	22.90	26915	836.5	QPSK	1.4MHz	3	0
Band26 (824-849)	22.83	26915	836.5	QPSK	1.4MHz	3	1
Band26 (824-849)	22.71	26915	836.5	QPSK	1.4MHz	3	3
Band26 (824-849)	22.11	26915	836.5	QPSK	1.4MHz	6	0
Band26 (824-849)	23.12	27033	848.3	QPSK	1.4MHz	1	0
Band26 (824-849)	23.10	27033	848.3	QPSK	1.4MHz	1	2
Band26 (824-849)	22.98	27033	848.3	QPSK	1.4MHz	1	5
Band26 (824-849)	22.81	27033	848.3	QPSK	1.4MHz	3	0
Band26 (824-849)	22.75	27033	848.3	QPSK	1.4MHz	3	1
Band26 (824-849)	22.82	27033	848.3	QPSK	1.4MHz	3	3
Band26 (824-849)	22.18	27033	848.3	QPSK	1.4MHz	6	0
Band26 (824-849)	22.58	26797	824.7	16QAM	1.4MHz	1	0
Band26 (824-849)	22.28	26797	824.7	16QAM	1.4MHz	1	2
Band26 (824-849)	22.35	26797	824.7	16QAM	1.4MHz	1	5
Band26 (824-849)	21.82	26797	824.7	16QAM	1.4MHz	3	0
Band26 (824-849)	21.96	26797	824.7	16QAM	1.4MHz	3	1
Band26 (824-849)	21.83	26797	824.7	16QAM	1.4MHz	3	3
Band26 (824-849)	21.23	26797	824.7	16QAM	1.4MHz	6	0
Band26 (824-849)	22.36	26915	836.5	16QAM	1.4MHz	1	0
Band26 (824-849)	22.51	26915	836.5	16QAM	1.4MHz	1	2
Band26 (824-849)	22.37	26915	836.5	16QAM	1.4MHz	1	5
Band26 (824-849)	21.79	26915	836.5	16QAM	1.4MHz	3	0
Band26 (824-849)	21.96	26915	836.5	16QAM	1.4MHz	3	1
Band26 (824-849)	21.88	26915	836.5	16QAM	1.4MHz	3	3
Band26 (824-849)	21.08	26915	836.5	16QAM	1.4MHz	6	0
Band26 (824-849)	22.51	27033	848.3	16QAM	1.4MHz	1	0
Band26 (824-849)	22.44	27033	848.3	16QAM	1.4MHz	1	2
Band26 (824-849)	22.35	27033	848.3	16QAM	1.4MHz	1	5
Band26 (824-849)	21.76	27033	848.3	16QAM	1.4MHz	3	0
Band26 (824-849)	21.80	27033	848.3	16QAM	1.4MHz	3	1
Band26 (824-849)	21.74	27033	848.3	16QAM	1.4MHz	3	3
Band26 (824-849)	21.16	27033	848.3	16QAM	1.4MHz	6	0
Band26 (824-849)	21.71	26797	824.7	64QAM	1.4MHz	1	0

Band26 (824-849)	21.66	26797	824.7	64QAM	1.4MHz	1	2
Band26 (824-849)	21.45	26797	824.7	64QAM	1.4MHz	1	5
Band26 (824-849)	20.84	26797	824.7	64QAM	1.4MHz	3	0
Band26 (824-849)	20.88	26797	824.7	64QAM	1.4MHz	3	1
Band26 (824-849)	20.75	26797	824.7	64QAM	1.4MHz	3	3
Band26 (824-849)	20.42	26797	824.7	64QAM	1.4MHz	6	0
Band26 (824-849)	21.73	26915	836.5	64QAM	1.4MHz	1	0
Band26 (824-849)	21.68	26915	836.5	64QAM	1.4MHz	1	2
Band26 (824-849)	21.57	26915	836.5	64QAM	1.4MHz	1	5
Band26 (824-849)	20.66	26915	836.5	64QAM	1.4MHz	3	0
Band26 (824-849)	20.90	26915	836.5	64QAM	1.4MHz	3	1
Band26 (824-849)	20.73	26915	836.5	64QAM	1.4MHz	3	3
Band26 (824-849)	20.37	26915	836.5	64QAM	1.4MHz	6	0
Band26 (824-849)	21.74	27033	848.3	64QAM	1.4MHz	1	0
Band26 (824-849)	21.69	27033	848.3	64QAM	1.4MHz	1	2
Band26 (824-849)	21.60	27033	848.3	64QAM	1.4MHz	1	5
Band26 (824-849)	20.74	27033	848.3	64QAM	1.4MHz	3	0
Band26 (824-849)	20.80	27033	848.3	64QAM	1.4MHz	3	1
Band26 (824-849)	20.73	27033	848.3	64QAM	1.4MHz	3	3
Band26 (824-849)	20.36	27033	848.3	64QAM	1.4MHz	6	0
Band26 (824-849)	23.13	26805	825.5	QPSK	3MHz	1	0
Band26 (824-849)	23.07	26805	825.5	QPSK	3MHz	1	7
Band26 (824-849)	22.79	26805	825.5	QPSK	3MHz	1	14
Band26 (824-849)	22.80	26805	825.5	QPSK	3MHz	8	0
Band26 (824-849)	22.73	26805	825.5	QPSK	3MHz	8	3
Band26 (824-849)	21.89	26805	825.5	QPSK	3MHz	8	7
Band26 (824-849)	22.13	26805	825.5	QPSK	3MHz	15	0
Band26 (824-849)	23.19	26915	836.5	QPSK	3MHz	1	0
Band26 (824-849)	23.06	26915	836.5	QPSK	3MHz	1	7
Band26 (824-849)	23.07	26915	836.5	QPSK	3MHz	1	14
Band26 (824-849)	22.76	26915	836.5	QPSK	3MHz	8	0
Band26 (824-849)	22.68	26915	836.5	QPSK	3MHz	8	3
Band26 (824-849)	22.72	26915	836.5	QPSK	3MHz	8	7
Band26 (824-849)	22.27	26915	836.5	QPSK	3MHz	15	0
Band26 (824-849)	23.21	27025	847.5	QPSK	3MHz	1	0
Band26 (824-849)	23.16	27025	847.5	QPSK	3MHz	1	7
Band26 (824-849)	23.10	27025	847.5	QPSK	3MHz	1	14
Band26 (824-849)	22.80	27025	847.5	QPSK	3MHz	8	0

Band26 (824-849)	22.84	27025	847.5	QPSK	3MHz	8	3
Band26 (824-849)	22.80	27025	847.5	QPSK	3MHz	8	7
Band26 (824-849)	22.16	27025	847.5	QPSK	3MHz	15	0
Band26 (824-849)	22.49	26805	825.5	16QAM	3MHz	1	0
Band26 (824-849)	22.44	26805	825.5	16QAM	3MHz	1	7
Band26 (824-849)	22.30	26805	825.5	16QAM	3MHz	1	14
Band26 (824-849)	21.77	26805	825.5	16QAM	3MHz	8	0
Band26 (824-849)	21.60	26805	825.5	16QAM	3MHz	8	3
Band26 (824-849)	21.63	26805	825.5	16QAM	3MHz	8	7
Band26 (824-849)	21.15	26805	825.5	16QAM	3MHz	15	0
Band26 (824-849)	22.48	26915	836.5	16QAM	3MHz	1	0
Band26 (824-849)	22.26	26915	836.5	16QAM	3MHz	1	7
Band26 (824-849)	22.38	26915	836.5	16QAM	3MHz	1	14
Band26 (824-849)	21.57	26915	836.5	16QAM	3MHz	8	0
Band26 (824-849)	21.75	26915	836.5	16QAM	3MHz	8	3
Band26 (824-849)	21.55	26915	836.5	16QAM	3MHz	8	7
Band26 (824-849)	21.09	26915	836.5	16QAM	3MHz	15	0
Band26 (824-849)	22.35	27025	847.5	16QAM	3MHz	1	0
Band26 (824-849)	22.32	27025	847.5	16QAM	3MHz	1	7
Band26 (824-849)	22.33	27025	847.5	16QAM	3MHz	1	14
Band26 (824-849)	21.73	27025	847.5	16QAM	3MHz	8	0
Band26 (824-849)	21.75	27025	847.5	16QAM	3MHz	8	3
Band26 (824-849)	21.68	27025	847.5	16QAM	3MHz	8	7
Band26 (824-849)	21.15	27025	847.5	16QAM	3MHz	15	0
Band26 (824-849)	21.75	26805	825.5	64QAM	3MHz	1	0
Band26 (824-849)	21.61	26805	825.5	64QAM	3MHz	1	7
Band26 (824-849)	21.58	26805	825.5	64QAM	3MHz	1	14
Band26 (824-849)	20.79	26805	825.5	64QAM	3MHz	8	0
Band26 (824-849)	20.85	26805	825.5	64QAM	3MHz	8	3
Band26 (824-849)	20.85	26805	825.5	64QAM	3MHz	8	7
Band26 (824-849)	20.35	26805	825.5	64QAM	3MHz	15	0
Band26 (824-849)	21.76	26915	836.5	64QAM	3MHz	1	0
Band26 (824-849)	21.60	26915	836.5	64QAM	3MHz	1	7
Band26 (824-849)	21.35	26915	836.5	64QAM	3MHz	1	14
Band26 (824-849)	20.75	26915	836.5	64QAM	3MHz	8	0
Band26 (824-849)	20.86	26915	836.5	64QAM	3MHz	8	3
Band26 (824-849)	20.80	26915	836.5	64QAM	3MHz	8	7
Band26 (824-849)	20.39	26915	836.5	64QAM	3MHz	15	0

Band26 (824-849)	21.80	27025	847.5	64QAM	3MHz	1	0
Band26 (824-849)	21.68	27025	847.5	64QAM	3MHz	1	7
Band26 (824-849)	21.58	27025	847.5	64QAM	3MHz	1	14
Band26 (824-849)	20.76	27025	847.5	64QAM	3MHz	8	0
Band26 (824-849)	20.74	27025	847.5	64QAM	3MHz	8	3
Band26 (824-849)	20.69	27025	847.5	64QAM	3MHz	8	7
Band26 (824-849)	20.45	27025	847.5	64QAM	3MHz	15	0
Band26 (824-849)	23.22	26815	826.5	QPSK	5MHz	1	0
Band26 (824-849)	23.14	26815	826.5	QPSK	5MHz	1	12
Band26 (824-849)	23.00	26815	826.5	QPSK	5MHz	1	24
Band26 (824-849)	22.78	26815	826.5	QPSK	5MHz	12	0
Band26 (824-849)	22.70	26815	826.5	QPSK	5MHz	12	6
Band26 (824-849)	22.74	26815	826.5	QPSK	5MHz	12	13
Band26 (824-849)	22.15	26815	826.5	QPSK	5MHz	25	0
Band26 (824-849)	23.20	26915	836.5	QPSK	5MHz	1	0
Band26 (824-849)	23.14	26915	836.5	QPSK	5MHz	1	12
Band26 (824-849)	23.16	26915	836.5	QPSK	5MHz	1	24
Band26 (824-849)	22.74	26915	836.5	QPSK	5MHz	12	0
Band26 (824-849)	22.91	26915	836.5	QPSK	5MHz	12	6
Band26 (824-849)	22.77	26915	836.5	QPSK	5MHz	12	13
Band26 (824-849)	22.27	26915	836.5	QPSK	5MHz	25	0
Band26 (824-849)	23.23	27015	846.5	QPSK	5MHz	1	0
Band26 (824-849)	23.16	27015	846.5	QPSK	5MHz	1	12
Band26 (824-849)	23.19	27015	846.5	QPSK	5MHz	1	24
Band26 (824-849)	22.95	27015	846.5	QPSK	5MHz	12	0
Band26 (824-849)	22.96	27015	846.5	QPSK	5MHz	12	6
Band26 (824-849)	22.90	27015	846.5	QPSK	5MHz	12	13
Band26 (824-849)	22.31	27015	846.5	QPSK	5MHz	25	0
Band26 (824-849)	22.32	26815	826.5	16QAM	5MHz	1	0
Band26 (824-849)	22.24	26815	826.5	16QAM	5MHz	1	12
Band26 (824-849)	22.31	26815	826.5	16QAM	5MHz	1	24
Band26 (824-849)	21.77	26815	826.5	16QAM	5MHz	12	0
Band26 (824-849)	21.82	26815	826.5	16QAM	5MHz	12	6
Band26 (824-849)	21.93	26815	826.5	16QAM	5MHz	12	13
Band26 (824-849)	21.30	26815	826.5	16QAM	5MHz	25	0
Band26 (824-849)	22.44	26915	836.5	16QAM	5MHz	1	0
Band26 (824-849)	22.29	26915	836.5	16QAM	5MHz	1	12
Band26 (824-849)	22.30	26915	836.5	16QAM	5MHz	1	24

Band26 (824-849)	21.89	26915	836.5	16QAM	5MHz	12	0
Band26 (824-849)	21.78	26915	836.5	16QAM	5MHz	12	6
Band26 (824-849)	21.63	26915	836.5	16QAM	5MHz	12	13
Band26 (824-849)	21.13	26915	836.5	16QAM	5MHz	25	0
Band26 (824-849)	22.43	27015	846.5	16QAM	5MHz	1	0
Band26 (824-849)	22.41	27015	846.5	16QAM	5MHz	1	12
Band26 (824-849)	22.37	27015	846.5	16QAM	5MHz	1	24
Band26 (824-849)	21.91	27015	846.5	16QAM	5MHz	12	0
Band26 (824-849)	21.89	27015	846.5	16QAM	5MHz	12	6
Band26 (824-849)	21.86	27015	846.5	16QAM	5MHz	12	11
Band26 (824-849)	21.22	27015	846.5	16QAM	5MHz	25	0
Band26 (824-849)	21.57	26815	826.5	64QAM	5MHz	1	0
Band26 (824-849)	21.51	26815	826.5	64QAM	5MHz	1	12
Band26 (824-849)	21.44	26815	826.5	64QAM	5MHz	1	24
Band26 (824-849)	20.60	26815	826.5	64QAM	5MHz	12	0
Band26 (824-849)	20.76	26815	826.5	64QAM	5MHz	12	6
Band26 (824-849)	20.80	26815	826.5	64QAM	5MHz	12	13
Band26 (824-849)	20.31	26815	826.5	64QAM	5MHz	25	0
Band26 (824-849)	21.59	26915	836.5	64QAM	5MHz	1	0
Band26 (824-849)	21.80	26915	836.5	64QAM	5MHz	1	12
Band26 (824-849)	21.67	26915	836.5	64QAM	5MHz	1	24
Band26 (824-849)	20.75	26915	836.5	64QAM	5MHz	12	0
Band26 (824-849)	20.61	26915	836.5	64QAM	5MHz	12	6
Band26 (824-849)	20.86	26915	836.5	64QAM	5MHz	12	13
Band26 (824-849)	20.47	26915	836.5	64QAM	5MHz	25	0
Band26 (824-849)	21.76	27015	846.5	64QAM	5MHz	1	0
Band26 (824-849)	21.70	27015	846.5	64QAM	5MHz	1	12
Band26 (824-849)	21.62	27015	846.5	64QAM	5MHz	1	24
Band26 (824-849)	20.72	27015	846.5	64QAM	5MHz	12	0
Band26 (824-849)	20.77	27015	846.5	64QAM	5MHz	12	6
Band26 (824-849)	20.74	27015	846.5	64QAM	5MHz	12	11
Band26 (824-849)	20.45	27015	846.5	64QAM	5MHz	25	0
Band26 (824-849)	23.24	26840	829	QPSK	10MHz	1	0
Band26 (824-849)	23.01	26840	829	QPSK	10MHz	1	24
Band26 (824-849)	22.94	26840	829	QPSK	10MHz	1	49
Band26 (824-849)	22.82	26840	829	QPSK	10MHz	25	0
Band26 (824-849)	22.88	26840	829	QPSK	10MHz	25	12
Band26 (824-849)	22.77	26840	829	QPSK	10MHz	25	25

Band26 (824-849)	22.08	26840	829	QPSK	10MHz	50	0
Band26 (824-849)	23.03	26915	836.5	QPSK	10MHz	1	0
Band26 (824-849)	22.93	26915	836.5	QPSK	10MHz	1	24
Band26 (824-849)	23.04	26915	836.5	QPSK	10MHz	1	49
Band26 (824-849)	22.89	26915	836.5	QPSK	10MHz	25	0
Band26 (824-849)	22.86	26915	836.5	QPSK	10MHz	25	12
Band26 (824-849)	22.70	26915	836.5	QPSK	10MHz	25	25
Band26 (824-849)	22.05	26915	836.5	QPSK	10MHz	50	0
Band26 (824-849)	23.22	26990	844	QPSK	10MHz	1	0
Band26 (824-849)	23.07	26990	844	QPSK	10MHz	1	24
Band26 (824-849)	23.01	26990	844	QPSK	10MHz	1	49
Band26 (824-849)	22.90	26990	844	QPSK	10MHz	25	0
Band26 (824-849)	22.92	26990	844	QPSK	10MHz	25	12
Band26 (824-849)	22.96	26990	844	QPSK	10MHz	25	25
Band26 (824-849)	22.19	26990	844	QPSK	10MHz	50	0
Band26 (824-849)	22.48	26840	829	16QAM	10MHz	1	0
Band26 (824-849)	22.36	26840	829	16QAM	10MHz	1	24
Band26 (824-849)	22.40	26840	829	16QAM	10MHz	1	49
Band26 (824-849)	21.64	26840	829	16QAM	10MHz	25	0
Band26 (824-849)	21.60	26840	829	16QAM	10MHz	25	12
Band26 (824-849)	21.59	26840	829	16QAM	10MHz	25	25
Band26 (824-849)	21.29	26840	829	16QAM	10MHz	50	0
Band26 (824-849)	22.34	26915	836.5	16QAM	10MHz	1	0
Band26 (824-849)	22.37	26915	836.5	16QAM	10MHz	1	24
Band26 (824-849)	22.25	26915	836.5	16QAM	10MHz	1	49
Band26 (824-849)	21.67	26915	836.5	16QAM	10MHz	25	0
Band26 (824-849)	21.64	26915	836.5	16QAM	10MHz	25	12
Band26 (824-849)	21.59	26915	836.5	16QAM	10MHz	25	25
Band26 (824-849)	21.12	26915	836.5	16QAM	10MHz	50	0
Band26 (824-849)	22.48	26990	844	16QAM	10MHz	1	0
Band26 (824-849)	22.44	26990	844	16QAM	10MHz	1	24
Band26 (824-849)	22.42	26990	844	16QAM	10MHz	1	49
Band26 (824-849)	21.78	26990	844	16QAM	10MHz	25	0
Band26 (824-849)	21.67	26990	844	16QAM	10MHz	25	12
Band26 (824-849)	21.64	26990	844	16QAM	10MHz	25	25
Band26 (824-849)	21.25	26990	844	16QAM	10MHz	50	0
Band26 (824-849)	21.65	26840	829	64QAM	10MHz	1	0
Band26 (824-849)	21.51	26840	829	64QAM	10MHz	1	24

Band26 (824-849)	21.51	26840	829	64QAM	10MHz	1	49
Band26 (824-849)	20.79	26840	829	64QAM	10MHz	25	0
Band26 (824-849)	20.76	26840	829	64QAM	10MHz	25	12
Band26 (824-849)	20.81	26840	829	64QAM	10MHz	25	25
Band26 (824-849)	20.45	26840	829	64QAM	10MHz	50	0
Band26 (824-849)	21.60	26915	836.5	64QAM	10MHz	1	0
Band26 (824-849)	21.65	26915	836.5	64QAM	10MHz	1	24
Band26 (824-849)	21.73	26915	836.5	64QAM	10MHz	1	49
Band26 (824-849)	20.85	26915	836.5	64QAM	10MHz	25	0
Band26 (824-849)	20.79	26915	836.5	64QAM	10MHz	25	12
Band26 (824-849)	20.79	26915	836.5	64QAM	10MHz	25	25
Band26 (824-849)	20.36	26915	836.5	64QAM	10MHz	50	0
Band26 (824-849)	21.71	26990	844	64QAM	10MHz	1	0
Band26 (824-849)	21.69	26990	844	64QAM	10MHz	1	24
Band26 (824-849)	21.56	26990	844	64QAM	10MHz	1	49
Band26 (824-849)	20.69	26990	844	64QAM	10MHz	25	0
Band26 (824-849)	20.78	26990	844	64QAM	10MHz	25	12
Band26 (824-849)	20.74	26990	844	64QAM	10MHz	25	25
Band26 (824-849)	20.41	26990	844	64QAM	10MHz	50	0
Band26 (824-849)	23.22	26865	831.5	QPSK	15MHz	1	0
Band26 (824-849)	23.11	26865	831.5	QPSK	15MHz	1	37
Band26 (824-849)	23.04	26865	831.5	QPSK	15MHz	1	74
Band26 (824-849)	22.51	26865	831.5	QPSK	15MHz	36	0
Band26 (824-849)	22.64	26865	831.5	QPSK	15MHz	36	19
Band26 (824-849)	22.74	26865	831.5	QPSK	15MHz	36	39
Band26 (824-849)	22.30	26865	831.5	QPSK	15MHz	75	0
Band26 (824-849)	23.25	26915	836.5	QPSK	15MHz	1	0
Band26 (824-849)	23.10	26915	836.5	QPSK	15MHz	1	37
Band26 (824-849)	23.06	26915	836.5	QPSK	15MHz	1	74
Band26 (824-849)	22.66	26915	836.5	QPSK	15MHz	36	0
Band26 (824-849)	22.61	26915	836.5	QPSK	15MHz	36	19
Band26 (824-849)	22.72	26915	836.5	QPSK	15MHz	36	39
Band26 (824-849)	22.24	26915	836.5	QPSK	15MHz	75	0
Band26 (824-849)	23.23	26965	841.5	QPSK	15MHz	1	0
Band26 (824-849)	23.22	26965	841.5	QPSK	15MHz	1	37
Band26 (824-849)	23.16	26965	841.5	QPSK	15MHz	1	74
Band26 (824-849)	22.75	26965	841.5	QPSK	15MHz	36	0
Band26 (824-849)	22.72	26965	841.5	QPSK	15MHz	36	19

Band26 (824-849)	22.76	26965	841.5	QPSK	15MHz	36	39
Band26 (824-849)	22.19	26965	841.5	QPSK	15MHz	75	0
Band26 (824-849)	22.36	26865	831.5	16QAM	15MHz	1	0
Band26 (824-849)	22.25	26865	831.5	16QAM	15MHz	1	37
Band26 (824-849)	22.16	26865	831.5	16QAM	15MHz	1	74
Band26 (824-849)	21.78	26865	831.5	16QAM	15MHz	36	0
Band26 (824-849)	21.65	26865	831.5	16QAM	15MHz	36	19
Band26 (824-849)	21.64	26865	831.5	16QAM	15MHz	36	39
Band26 (824-849)	21.22	26865	831.5	16QAM	15MHz	75	0
Band26 (824-849)	22.46	26915	836.5	16QAM	15MHz	1	0
Band26 (824-849)	22.22	26915	836.5	16QAM	15MHz	1	37
Band26 (824-849)	22.23	26915	836.5	16QAM	15MHz	1	74
Band26 (824-849)	21.70	26915	836.5	16QAM	15MHz	36	0
Band26 (824-849)	21.63	26915	836.5	16QAM	15MHz	36	19
Band26 (824-849)	21.68	26915	836.5	16QAM	15MHz	36	39
Band26 (824-849)	21.18	26915	836.5	16QAM	15MHz	75	0
Band26 (824-849)	22.49	26965	841.5	16QAM	15MHz	1	0
Band26 (824-849)	22.44	26965	841.5	16QAM	15MHz	1	37
Band26 (824-849)	22.39	26965	841.5	16QAM	15MHz	1	74
Band26 (824-849)	21.88	26965	841.5	16QAM	15MHz	36	0
Band26 (824-849)	21.77	26965	841.5	16QAM	15MHz	36	19
Band26 (824-849)	21.70	26965	841.5	16QAM	15MHz	36	39
Band26 (824-849)	21.23	26965	841.5	16QAM	15MHz	75	0
Band26 (824-849)	21.81	26865	831.5	64QAM	15MHz	1	0
Band26 (824-849)	21.57	26865	831.5	64QAM	15MHz	1	37
Band26 (824-849)	21.47	26865	831.5	64QAM	15MHz	1	74
Band26 (824-849)	20.68	26865	831.5	64QAM	15MHz	36	0
Band26 (824-849)	20.91	26865	831.5	64QAM	15MHz	36	19
Band26 (824-849)	20.81	26865	831.5	64QAM	15MHz	36	39
Band26 (824-849)	20.39	26865	831.5	64QAM	15MHz	75	0
Band26 (824-849)	21.69	26915	836.5	64QAM	15MHz	1	0
Band26 (824-849)	21.59	26915	836.5	64QAM	15MHz	1	37
Band26 (824-849)	21.69	26915	836.5	64QAM	15MHz	1	74
Band26 (824-849)	20.76	26915	836.5	64QAM	15MHz	36	0
Band26 (824-849)	20.82	26915	836.5	64QAM	15MHz	36	19
Band26 (824-849)	20.65	26915	836.5	64QAM	15MHz	36	39
Band26 (824-849)	20.47	26915	836.5	64QAM	15MHz	75	0
Band26 (824-849)	21.73	26965	841.5	64QAM	15MHz	1	0

Band26 (824-849)	21.69	26965	841.5	64QAM	15MHz	1	37
Band26 (824-849)	21.63	26965	841.5	64QAM	15MHz	1	74
Band26 (824-849)	20.67	26965	841.5	64QAM	15MHz	36	0
Band26 (824-849)	20.73	26965	841.5	64QAM	15MHz	36	19
Band26 (824-849)	20.70	26965	841.5	64QAM	15MHz	36	39
Band26 (824-849)	20.39	26965	841.5	64QAM	15MHz	75	0
Band30	22.85	27685	2307.5	QPSK	5MHz	1	0
Band30	22.84	27685	2307.5	QPSK	5MHz	1	12
Band30	22.80	27685	2307.5	QPSK	5MHz	1	24
Band30	22.60	27685	2307.5	QPSK	5MHz	12	0
Band30	22.67	27685	2307.5	QPSK	5MHz	12	6
Band30	22.61	27685	2307.5	QPSK	5MHz	12	13
Band30	21.87	27685	2307.5	QPSK	5MHz	25	0
Band30	22.86	27710	2310	QPSK	5MHz	1	0
Band30	22.83	27710	2310	QPSK	5MHz	1	12
Band30	22.80	27710	2310	QPSK	5MHz	1	24
Band30	22.62	27710	2310	QPSK	5MHz	12	0
Band30	22.66	27710	2310	QPSK	5MHz	12	6
Band30	22.52	27710	2310	QPSK	5MHz	12	13
Band30	21.77	27710	2310	QPSK	5MHz	25	0
Band30	22.84	27735	2312.5	QPSK	5MHz	1	0
Band30	22.82	27735	2312.5	QPSK	5MHz	1	12
Band30	22.81	27735	2312.5	QPSK	5MHz	1	24
Band30	22.61	27735	2312.5	QPSK	5MHz	12	0
Band30	22.66	27735	2312.5	QPSK	5MHz	12	6
Band30	22.60	27735	2312.5	QPSK	5MHz	12	13
Band30	21.87	27735	2312.5	QPSK	5MHz	25	0
Band30	22.14	27685	2307.5	16QAM	5MHz	1	0
Band30	22.10	27685	2307.5	16QAM	5MHz	1	12
Band30	22.11	27685	2307.5	16QAM	5MHz	1	24
Band30	21.54	27685	2307.5	16QAM	5MHz	12	0
Band30	21.57	27685	2307.5	16QAM	5MHz	12	6
Band30	21.56	27685	2307.5	16QAM	5MHz	12	13
Band30	20.88	27685	2307.5	16QAM	5MHz	25	0
Band30	22.14	27710	2310	16QAM	5MHz	1	0
Band30	22.10	27710	2310	16QAM	5MHz	1	12
Band30	22.11	27710	2310	16QAM	5MHz	1	24
Band30	21.56	27710	2310	16QAM	5MHz	12	0

Band30	21.58	27710	2310	16QAM	5MHz	12	6
Band30	21.47	27710	2310	16QAM	5MHz	12	13
Band30	20.78	27710	2310	16QAM	5MHz	25	0
Band30	22.13	27735	2312.5	16QAM	5MHz	1	0
Band30	22.12	27735	2312.5	16QAM	5MHz	1	12
Band30	22.14	27735	2312.5	16QAM	5MHz	1	24
Band30	21.53	27735	2312.5	16QAM	5MHz	12	0
Band30	21.56	27735	2312.5	16QAM	5MHz	12	6
Band30	21.56	27735	2312.5	16QAM	5MHz	12	11
Band30	20.87	27735	2312.5	16QAM	5MHz	25	0
Band30	21.40	27685	2307.5	64QAM	5MHz	1	0
Band30	21.41	27685	2307.5	64QAM	5MHz	1	12
Band30	21.47	27685	2307.5	64QAM	5MHz	1	24
Band30	20.67	27685	2307.5	64QAM	5MHz	12	0
Band30	20.57	27685	2307.5	64QAM	5MHz	12	6
Band30	20.67	27685	2307.5	64QAM	5MHz	12	13
Band30	20.07	27685	2307.5	64QAM	5MHz	25	0
Band30	21.40	27710	2310	64QAM	5MHz	1	0
Band30	21.21	27710	2310	64QAM	5MHz	1	12
Band30	21.30	27710	2310	64QAM	5MHz	1	24
Band30	20.65	27710	2310	64QAM	5MHz	12	0
Band30	20.68	27710	2310	64QAM	5MHz	12	6
Band30	20.46	27710	2310	64QAM	5MHz	12	13
Band30	20.04	27710	2310	64QAM	5MHz	25	0
Band30	21.32	27735	2312.5	64QAM	5MHz	1	0
Band30	21.35	27735	2312.5	64QAM	5MHz	1	12
Band30	21.40	27735	2312.5	64QAM	5MHz	1	24
Band30	20.37	27735	2312.5	64QAM	5MHz	12	0
Band30	20.40	27735	2312.5	64QAM	5MHz	12	6
Band30	20.59	27735	2312.5	64QAM	5MHz	12	11
Band30	20.17	27735	2312.5	64QAM	5MHz	25	0
Band30	22.87	27710	2310	QPSK	10MHz	1	0
Band30	22.77	27710	2310	QPSK	10MHz	1	24
Band30	22.83	27710	2310	QPSK	10MHz	1	49
Band30	22.52	27710	2310	QPSK	10MHz	25	0
Band30	22.47	27710	2310	QPSK	10MHz	25	12
Band30	22.44	27710	2310	QPSK	10MHz	25	25
Band30	21.88	27710	2310	QPSK	10MHz	50	0

Band30	22.08	27710	2310	16QAM	10MHz	1	0
Band30	22.10	27710	2310	16QAM	10MHz	1	24
Band30	22.05	27710	2310	16QAM	10MHz	1	49
Band30	21.69	27710	2310	16QAM	10MHz	25	0
Band30	21.66	27710	2310	16QAM	10MHz	25	12
Band30	21.54	27710	2310	16QAM	10MHz	25	25
Band30	20.87	27710	2310	16QAM	10MHz	50	0
Band30	21.38	27710	2310	64QAM	10MHz	1	0
Band30	21.47	27710	2310	64QAM	10MHz	1	24
Band30	21.31	27710	2310	64QAM	10MHz	1	49
Band30	20.76	27710	2310	64QAM	10MHz	25	0
Band30	20.73	27710	2310	64QAM	10MHz	25	12
Band30	20.65	27710	2310	64QAM	10MHz	25	25
Band30	19.99	27710	2310	64QAM	10MHz	50	0
Band38	22.94	37775	2572.5	QPSK	5MHz	1	0
Band38	22.72	37775	2572.5	QPSK	5MHz	1	12
Band38	22.70	37775	2572.5	QPSK	5MHz	1	24
Band38	22.40	37775	2572.5	QPSK	5MHz	12	0
Band38	22.39	37775	2572.5	QPSK	5MHz	12	6
Band38	22.39	37775	2572.5	QPSK	5MHz	12	13
Band38	21.83	37775	2572.5	QPSK	5MHz	25	0
Band38	22.96	38000	2595	QPSK	5MHz	1	0
Band38	22.84	38000	2595	QPSK	5MHz	1	12
Band38	22.79	38000	2595	QPSK	5MHz	1	24
Band38	22.40	38000	2595	QPSK	5MHz	12	0
Band38	22.37	38000	2595	QPSK	5MHz	12	6
Band38	22.45	38000	2595	QPSK	5MHz	12	13
Band38	21.80	38000	2595	QPSK	5MHz	25	0
Band38	22.00	38225	2617.5	QPSK	5MHz	1	0
Band38	22.83	38225	2617.5	QPSK	5MHz	1	12
Band38	22.82	38225	2617.5	QPSK	5MHz	1	24
Band38	22.51	38225	2617.5	QPSK	5MHz	12	0
Band38	22.51	38225	2617.5	QPSK	5MHz	12	6
Band38	22.49	38225	2617.5	QPSK	5MHz	12	13
Band38	21.93	38225	2617.5	QPSK	5MHz	25	0
Band38	22.15	37775	2572.5	16QAM	5MHz	1	0
Band38	22.09	37775	2572.5	16QAM	5MHz	1	12
Band38	22.10	37775	2572.5	16QAM	5MHz	1	24

Band38	21.59	37775	2572.5	16QAM	5MHz	12	0
Band38	21.62	37775	2572.5	16QAM	5MHz	12	6
Band38	21.59	37775	2572.5	16QAM	5MHz	12	13
Band38	20.83	37775	2572.5	16QAM	5MHz	25	0
Band38	22.20	38000	2595	16QAM	5MHz	1	0
Band38	22.09	38000	2595	16QAM	5MHz	1	12
Band38	22.21	38000	2595	16QAM	5MHz	1	24
Band38	21.54	38000	2595	16QAM	5MHz	12	0
Band38	21.57	38000	2595	16QAM	5MHz	12	6
Band38	21.64	38000	2595	16QAM	5MHz	12	13
Band38	20.79	38000	2595	16QAM	5MHz	25	0
Band38	22.21	38225	2617.5	16QAM	5MHz	1	0
Band38	22.22	38225	2617.5	16QAM	5MHz	1	12
Band38	22.19	38225	2617.5	16QAM	5MHz	1	24
Band38	21.69	38225	2617.5	16QAM	5MHz	12	0
Band38	21.72	38225	2617.5	16QAM	5MHz	12	6
Band38	21.68	38225	2617.5	16QAM	5MHz	12	11
Band38	20.94	38225	2617.5	16QAM	5MHz	25	0
Band38	21.32	37775	2572.5	64QAM	5MHz	1	0
Band38	21.33	37775	2572.5	64QAM	5MHz	1	12
Band38	21.26	37775	2572.5	64QAM	5MHz	1	24
Band38	20.57	37775	2572.5	64QAM	5MHz	12	0
Band38	20.56	37775	2572.5	64QAM	5MHz	12	6
Band38	20.57	37775	2572.5	64QAM	5MHz	12	13
Band38	20.03	37775	2572.5	64QAM	5MHz	25	0
Band38	21.37	38000	2595	64QAM	5MHz	1	0
Band38	21.27	38000	2595	64QAM	5MHz	1	12
Band38	21.38	38000	2595	64QAM	5MHz	1	24
Band38	20.49	38000	2595	64QAM	5MHz	12	0
Band38	20.56	38000	2595	64QAM	5MHz	12	6
Band38	20.59	38000	2595	64QAM	5MHz	12	13
Band38	20.00	38000	2595	64QAM	5MHz	25	0
Band38	21.40	38225	2617.5	64QAM	5MHz	1	0
Band38	21.41	38225	2617.5	64QAM	5MHz	1	12
Band38	21.44	38225	2617.5	64QAM	5MHz	1	24
Band38	20.63	38225	2617.5	64QAM	5MHz	12	0
Band38	20.69	38225	2617.5	64QAM	5MHz	12	6
Band38	20.65	38225	2617.5	64QAM	5MHz	12	11

Band38	20.18	38225	2617.5	64QAM	5MHz	25	0
Band38	22.85	37800	2575	QPSK	10MHz	1	0
Band38	22.81	37800	2575	QPSK	10MHz	1	24
Band38	22.77	37800	2575	QPSK	10MHz	1	49
Band38	22.51	37800	2575	QPSK	10MHz	25	0
Band38	22.53	37800	2575	QPSK	10MHz	25	12
Band38	22.53	37800	2575	QPSK	10MHz	25	25
Band38	21.84	37800	2575	QPSK	10MHz	50	0
Band38	22.88	38000	2595	QPSK	10MHz	1	0
Band38	22.81	38000	2595	QPSK	10MHz	1	24
Band38	22.73	38000	2595	QPSK	10MHz	1	49
Band38	22.38	38000	2595	QPSK	10MHz	25	0
Band38	22.41	38000	2595	QPSK	10MHz	25	12
Band38	22.47	38000	2595	QPSK	10MHz	25	25
Band38	21.85	38000	2595	QPSK	10MHz	50	0
Band38	22.90	38200	2615	QPSK	10MHz	1	0
Band38	22.86	38200	2615	QPSK	10MHz	1	24
Band38	22.83	38200	2615	QPSK	10MHz	1	49
Band38	22.47	38200	2615	QPSK	10MHz	25	0
Band38	22.45	38200	2615	QPSK	10MHz	25	12
Band38	22.50	38200	2615	QPSK	10MHz	25	25
Band38	21.89	38200	2615	QPSK	10MHz	50	0
Band38	22.13	37800	2575	16QAM	10MHz	1	0
Band38	22.07	37800	2575	16QAM	10MHz	1	24
Band38	21.96	37800	2575	16QAM	10MHz	1	49
Band38	21.59	37800	2575	16QAM	10MHz	25	0
Band38	21.61	37800	2575	16QAM	10MHz	25	12
Band38	21.56	37800	2575	16QAM	10MHz	25	25
Band38	20.81	37800	2575	16QAM	10MHz	50	0
Band38	22.14	38000	2595	16QAM	10MHz	1	0
Band38	22.08	38000	2595	16QAM	10MHz	1	24
Band38	22.03	38000	2595	16QAM	10MHz	1	49
Band38	21.54	38000	2595	16QAM	10MHz	25	0
Band38	21.58	38000	2595	16QAM	10MHz	25	12
Band38	21.61	38000	2595	16QAM	10MHz	25	25
Band38	20.82	38000	2595	16QAM	10MHz	50	0
Band38	22.16	38200	2615	16QAM	10MHz	1	0
Band38	22.10	38200	2615	16QAM	10MHz	1	24

Band38	22.00	38200	2615	16QAM	10MHz	1	49
Band38	21.56	38200	2615	16QAM	10MHz	25	0
Band38	21.62	38200	2615	16QAM	10MHz	25	12
Band38	21.63	38200	2615	16QAM	10MHz	25	25
Band38	20.91	38200	2615	16QAM	10MHz	50	0
Band38	21.32	37800	2575	64QAM	10MHz	1	0
Band38	21.29	37800	2575	64QAM	10MHz	1	24
Band38	21.35	37800	2575	64QAM	10MHz	1	49
Band38	20.55	37800	2575	64QAM	10MHz	25	0
Band38	20.57	37800	2575	64QAM	10MHz	25	12
Band38	20.53	37800	2575	64QAM	10MHz	25	25
Band38	20.03	37800	2575	64QAM	10MHz	50	0
Band38	21.39	38000	2595	64QAM	10MHz	1	0
Band38	21.26	38000	2595	64QAM	10MHz	1	24
Band38	21.41	38000	2595	64QAM	10MHz	1	49
Band38	20.50	38000	2595	64QAM	10MHz	25	0
Band38	20.48	38000	2595	64QAM	10MHz	25	12
Band38	20.61	38000	2595	64QAM	10MHz	25	25
Band38	20.02	38000	2595	64QAM	10MHz	50	0
Band38	21.42	38200	2615	64QAM	10MHz	1	0
Band38	21.48	38200	2615	64QAM	10MHz	1	24
Band38	21.44	38200	2615	64QAM	10MHz	1	49
Band38	20.63	38200	2615	64QAM	10MHz	25	0
Band38	20.69	38200	2615	64QAM	10MHz	25	12
Band38	20.64	38200	2615	64QAM	10MHz	25	25
Band38	20.19	38200	2615	64QAM	10MHz	50	0
Band38	22.92	37825	2577.5	QPSK	15MHz	1	0
Band38	22.84	37825	2577.5	QPSK	15MHz	1	37
Band38	22.66	37825	2577.5	QPSK	15MHz	1	74
Band38	22.48	37825	2577.5	QPSK	15MHz	36	0
Band38	22.62	37825	2577.5	QPSK	15MHz	36	19
Band38	22.57	37825	2577.5	QPSK	15MHz	36	39
Band38	21.94	37825	2577.5	QPSK	15MHz	75	0
Band38	22.88	38000	2595	QPSK	15MHz	1	0
Band38	22.77	38000	2595	QPSK	15MHz	1	37
Band38	22.69	38000	2595	QPSK	15MHz	1	74
Band38	22.40	38000	2595	QPSK	15MHz	36	0
Band38	22.47	38000	2595	QPSK	15MHz	36	19

Band38	22.52	38000	2595	QPSK	15MHz	36	39
Band38	21.86	38000	2595	QPSK	15MHz	75	0
Band38	22.89	38175	2612.5	QPSK	15MHz	1	0
Band38	22.80	38175	2612.5	QPSK	15MHz	1	37
Band38	22.74	38175	2612.5	QPSK	15MHz	1	74
Band38	22.46	38175	2612.5	QPSK	15MHz	36	0
Band38	22.58	38175	2612.5	QPSK	15MHz	36	19
Band38	22.52	38175	2612.5	QPSK	15MHz	36	39
Band38	21.90	38175	2612.5	QPSK	15MHz	75	0
Band38	22.19	37825	2577.5	16QAM	15MHz	1	0
Band38	22.09	37825	2577.5	16QAM	15MHz	1	37
Band38	21.99	37825	2577.5	16QAM	15MHz	1	74
Band38	21.50	37825	2577.5	16QAM	15MHz	36	0
Band38	21.64	37825	2577.5	16QAM	15MHz	36	19
Band38	21.64	37825	2577.5	16QAM	15MHz	36	39
Band38	20.88	37825	2577.5	16QAM	15MHz	75	0
Band38	22.17	38000	2595	16QAM	15MHz	1	0
Band38	22.15	38000	2595	16QAM	15MHz	1	37
Band38	22.06	38000	2595	16QAM	15MHz	1	74
Band38	21.55	38000	2595	16QAM	15MHz	36	0
Band38	21.63	38000	2595	16QAM	15MHz	36	19
Band38	21.65	38000	2595	16QAM	15MHz	36	39
Band38	20.89	38000	2595	16QAM	15MHz	75	0
Band38	22.20	38175	2612.5	16QAM	15MHz	1	0
Band38	22.15	38175	2612.5	16QAM	15MHz	1	37
Band38	22.07	38175	2612.5	16QAM	15MHz	1	74
Band38	21.64	38175	2612.5	16QAM	15MHz	36	0
Band38	21.75	38175	2612.5	16QAM	15MHz	36	19
Band38	21.67	38175	2612.5	16QAM	15MHz	36	39
Band38	20.93	38175	2612.5	16QAM	15MHz	75	0
Band38	21.40	37825	2577.5	64QAM	15MHz	1	0
Band38	21.33	37825	2577.5	64QAM	15MHz	1	37
Band38	21.35	37825	2577.5	64QAM	15MHz	1	74
Band38	20.51	37825	2577.5	64QAM	15MHz	36	0
Band38	20.52	37825	2577.5	64QAM	15MHz	36	19
Band38	20.57	37825	2577.5	64QAM	15MHz	36	39
Band38	20.03	37825	2577.5	64QAM	15MHz	75	0
Band38	21.42	38000	2595	64QAM	15MHz	1	0

Band38	21.26	38000	2595	64QAM	15MHz	1	37
Band38	21.46	38000	2595	64QAM	15MHz	1	74
Band38	20.51	38000	2595	64QAM	15MHz	36	0
Band38	20.54	38000	2595	64QAM	15MHz	36	19
Band38	20.61	38000	2595	64QAM	15MHz	36	39
Band38	20.02	38000	2595	64QAM	15MHz	75	0
Band38	21.41	38175	2612.5	64QAM	15MHz	1	0
Band38	21.46	38175	2612.5	64QAM	15MHz	1	37
Band38	21.38	38175	2612.5	64QAM	15MHz	1	74
Band38	20.59	38175	2612.5	64QAM	15MHz	36	0
Band38	20.65	38175	2612.5	64QAM	15MHz	36	19
Band38	20.59	38175	2612.5	64QAM	15MHz	36	39
Band38	20.18	38175	2612.5	64QAM	15MHz	75	0
Band38	22.94	37850	2580	QPSK	20MHz	1	0
Band38	22.82	37850	2580	QPSK	20MHz	1	49
Band38	22.76	37850	2580	QPSK	20MHz	1	99
Band38	22.57	37850	2580	QPSK	20MHz	50	0
Band38	22.55	37850	2580	QPSK	20MHz	50	25
Band38	22.54	37850	2580	QPSK	20MHz	50	50
Band38	21.98	37850	2580	QPSK	20MHz	100	0
Band38	22.98	38000	2595	QPSK	20MHz	1	0
Band38	22.89	38000	2595	QPSK	20MHz	1	49
Band38	22.80	38000	2595	QPSK	20MHz	1	99
Band38	22.51	38000	2595	QPSK	20MHz	50	0
Band38	22.54	38000	2595	QPSK	20MHz	50	25
Band38	22.62	38000	2595	QPSK	20MHz	50	50
Band38	21.97	38000	2595	QPSK	20MHz	100	0
Band38	22.95	38150	2610	QPSK	20MHz	1	0
Band38	22.93	38150	2610	QPSK	20MHz	1	49
Band38	22.79	38150	2610	QPSK	20MHz	1	99
Band38	22.57	38150	2610	QPSK	20MHz	50	0
Band38	22.59	38150	2610	QPSK	20MHz	50	25
Band38	22.65	38150	2610	QPSK	20MHz	50	50
Band38	22.01	38150	2610	QPSK	20MHz	100	0
Band38	22.21	37850	2580	16QAM	20MHz	1	0
Band38	22.13	37850	2580	16QAM	20MHz	1	49
Band38	22.02	37850	2580	16QAM	20MHz	1	99
Band38	21.68	37850	2580	16QAM	20MHz	50	0

Band38	21.60	37850	2580	16QAM	20MHz	50	25
Band38	21.61	37850	2580	16QAM	20MHz	50	50
Band38	21.02	37850	2580	16QAM	20MHz	100	0
Band38	22.29	38000	2595	16QAM	20MHz	1	0
Band38	22.23	38000	2595	16QAM	20MHz	1	49
Band38	22.07	38000	2595	16QAM	20MHz	1	99
Band38	21.68	38000	2595	16QAM	20MHz	50	0
Band38	21.72	38000	2595	16QAM	20MHz	50	25
Band38	21.80	38000	2595	16QAM	20MHz	50	50
Band38	21.05	38000	2595	16QAM	20MHz	100	0
Band38	22.30	38150	2610	16QAM	20MHz	1	0
Band38	22.25	38150	2610	16QAM	20MHz	1	49
Band38	22.17	38150	2610	16QAM	20MHz	1	99
Band38	21.72	38150	2610	16QAM	20MHz	50	0
Band38	21.74	38150	2610	16QAM	20MHz	50	25
Band38	21.81	38150	2610	16QAM	20MHz	50	50
Band38	21.06	38150	2610	16QAM	20MHz	100	0
Band38	21.34	37850	2580	64QAM	20MHz	1	0
Band38	21.27	37850	2580	64QAM	20MHz	1	49
Band38	21.27	37850	2580	64QAM	20MHz	1	99
Band38	20.57	37850	2580	64QAM	20MHz	50	0
Band38	20.58	37850	2580	64QAM	20MHz	50	25
Band38	20.57	37850	2580	64QAM	20MHz	50	50
Band38	20.08	37850	2580	64QAM	20MHz	100	0
Band38	21.45	38000	2595	64QAM	20MHz	1	0
Band38	21.33	38000	2595	64QAM	20MHz	1	49
Band38	21.43	38000	2595	64QAM	20MHz	1	99
Band38	20.49	38000	2595	64QAM	20MHz	50	0
Band38	20.48	38000	2595	64QAM	20MHz	50	25
Band38	20.59	38000	2595	64QAM	20MHz	50	50
Band38	19.99	38000	2595	64QAM	20MHz	100	0
Band38	21.46	38150	2610	64QAM	20MHz	1	0
Band38	21.40	38150	2610	64QAM	20MHz	1	49
Band38	21.37	38150	2610	64QAM	20MHz	1	99
Band38	20.60	38150	2610	64QAM	20MHz	50	0
Band38	20.64	38150	2610	64QAM	20MHz	50	25
Band38	20.62	38150	2610	64QAM	20MHz	50	50
Band38	20.17	38150	2610	64QAM	20MHz	100	0

Band40 (2305-2315)	22.86	38725	2307.5	QPSK	5MHz	1	0
Band40 (2305-2315)	22.81	38725	2307.5	QPSK	5MHz	1	12
Band40 (2305-2315)	22.76	38725	2307.5	QPSK	5MHz	1	24
Band40 (2305-2315)	22.57	38725	2307.5	QPSK	5MHz	12	0
Band40 (2305-2315)	22.59	38725	2307.5	QPSK	5MHz	12	6
Band40 (2305-2315)	22.61	38725	2307.5	QPSK	5MHz	12	13
Band40 (2305-2315)	21.87	38725	2307.5	QPSK	5MHz	25	0
Band40 (2305-2315)	22.89	38750	2310	QPSK	5MHz	1	0
Band40 (2305-2315)	22.86	38750	2310	QPSK	5MHz	1	12
Band40 (2305-2315)	22.80	38750	2310	QPSK	5MHz	1	24
Band40 (2305-2315)	22.54	38750	2310	QPSK	5MHz	12	0
Band40 (2305-2315)	22.54	38750	2310	QPSK	5MHz	12	6
Band40 (2305-2315)	22.65	38750	2310	QPSK	5MHz	12	13
Band40 (2305-2315)	21.85	38750	2310	QPSK	5MHz	25	0
Band40 (2305-2315)	22.87	38775	2312.5	QPSK	5MHz	1	0
Band40 (2305-2315)	22.81	38775	2312.5	QPSK	5MHz	1	12
Band40 (2305-2315)	22.76	38775	2312.5	QPSK	5MHz	1	24
Band40 (2305-2315)	22.62	38775	2312.5	QPSK	5MHz	12	0
Band40 (2305-2315)	22.60	38775	2312.5	QPSK	5MHz	12	6
Band40 (2305-2315)	22.59	38775	2312.5	QPSK	5MHz	12	13
Band40 (2305-2315)	21.92	38775	2312.5	QPSK	5MHz	25	0
Band40 (2305-2315)	22.23	38725	2307.5	16QAM	5MHz	1	0
Band40 (2305-2315)	22.18	38725	2307.5	16QAM	5MHz	1	12
Band40 (2305-2315)	22.21	38725	2307.5	16QAM	5MHz	1	24
Band40 (2305-2315)	21.80	38725	2307.5	16QAM	5MHz	12	0
Band40 (2305-2315)	21.78	38725	2307.5	16QAM	5MHz	12	6
Band40 (2305-2315)	21.79	38725	2307.5	16QAM	5MHz	12	13
Band40 (2305-2315)	20.89	38725	2307.5	16QAM	5MHz	25	0
Band40 (2305-2315)	22.25	38750	2310	16QAM	5MHz	1	0
Band40 (2305-2315)	22.16	38750	2310	16QAM	5MHz	1	12
Band40 (2305-2315)	22.25	38750	2310	16QAM	5MHz	1	24
Band40 (2305-2315)	21.68	38750	2310	16QAM	5MHz	12	0
Band40 (2305-2315)	21.69	38750	2310	16QAM	5MHz	12	6
Band40 (2305-2315)	21.79	38750	2310	16QAM	5MHz	12	13
Band40 (2305-2315)	20.92	38750	2310	16QAM	5MHz	25	0
Band40 (2305-2315)	22.21	38775	2312.5	16QAM	5MHz	1	0
Band40 (2305-2315)	22.14	38775	2312.5	16QAM	5MHz	1	12
Band40 (2305-2315)	22.19	38775	2312.5	16QAM	5MHz	1	24

Band40 (2305-2315)	21.70	38775	2312.5	16QAM	5MHz	12	0
Band40 (2305-2315)	21.73	38775	2312.5	16QAM	5MHz	12	6
Band40 (2305-2315)	21.66	38775	2312.5	16QAM	5MHz	12	11
Band40 (2305-2315)	20.91	38775	2312.5	16QAM	5MHz	25	0
Band40 (2305-2315)	21.44	38725	2307.5	64QAM	5MHz	1	0
Band40 (2305-2315)	21.34	38725	2307.5	64QAM	5MHz	1	12
Band40 (2305-2315)	21.46	38725	2307.5	64QAM	5MHz	1	24
Band40 (2305-2315)	20.72	38725	2307.5	64QAM	5MHz	12	0
Band40 (2305-2315)	20.77	38725	2307.5	64QAM	5MHz	12	6
Band40 (2305-2315)	20.77	38725	2307.5	64QAM	5MHz	12	13
Band40 (2305-2315)	20.10	38725	2307.5	64QAM	5MHz	25	0
Band40 (2305-2315)	21.44	38750	2310	64QAM	5MHz	1	0
Band40 (2305-2315)	21.34	38750	2310	64QAM	5MHz	1	12
Band40 (2305-2315)	21.44	38750	2310	64QAM	5MHz	1	24
Band40 (2305-2315)	20.68	38750	2310	64QAM	5MHz	12	0
Band40 (2305-2315)	20.70	38750	2310	64QAM	5MHz	12	6
Band40 (2305-2315)	20.79	38750	2310	64QAM	5MHz	12	13
Band40 (2305-2315)	20.13	38750	2310	64QAM	5MHz	25	0
Band40 (2305-2315)	21.40	38775	2312.5	64QAM	5MHz	1	0
Band40 (2305-2315)	21.40	38775	2312.5	64QAM	5MHz	1	12
Band40 (2305-2315)	21.43	38775	2312.5	64QAM	5MHz	1	24
Band40 (2305-2315)	20.76	38775	2312.5	64QAM	5MHz	12	0
Band40 (2305-2315)	20.72	38775	2312.5	64QAM	5MHz	12	6
Band40 (2305-2315)	20.70	38775	2312.5	64QAM	5MHz	12	11
Band40 (2305-2315)	20.15	38775	2312.5	64QAM	5MHz	25	0
Band40 (2305-2315)	22.93	38750	2310	QPSK	10MHz	1	0
Band40 (2305-2315)	22.84	38750	2310	QPSK	10MHz	1	24
Band40 (2305-2315)	22.77	38750	2310	QPSK	10MHz	1	49
Band40 (2305-2315)	22.50	38750	2310	QPSK	10MHz	25	0
Band40 (2305-2315)	22.57	38750	2310	QPSK	10MHz	25	12
Band40 (2305-2315)	22.56	38750	2310	QPSK	10MHz	25	25
Band40 (2305-2315)	21.93	38750	2310	QPSK	10MHz	50	0
Band40 (2305-2315)	22.17	38750	2310	16QAM	10MHz	1	0
Band40 (2305-2315)	22.16	38750	2310	16QAM	10MHz	1	24
Band40 (2305-2315)	22.12	38750	2310	16QAM	10MHz	1	49
Band40 (2305-2315)	21.66	38750	2310	16QAM	10MHz	25	0
Band40 (2305-2315)	21.71	38750	2310	16QAM	10MHz	25	12
Band40 (2305-2315)	21.69	38750	2310	16QAM	10MHz	25	25

Band40 (2305-2315)	20.92	38750	2310	16QAM	10MHz	50	0
Band40 (2305-2315)	21.35	38750	2310	64QAM	10MHz	1	0
Band40 (2305-2315)	21.41	38750	2310	64QAM	10MHz	1	24
Band40 (2305-2315)	21.32	38750	2310	64QAM	10MHz	1	49
Band40 (2305-2315)	20.66	38750	2310	64QAM	10MHz	25	0
Band40 (2305-2315)	20.73	38750	2310	64QAM	10MHz	25	12
Band40 (2305-2315)	20.64	38750	2310	64QAM	10MHz	25	25
Band40 (2305-2315)	20.13	38750	2310	64QAM	10MHz	50	0
Band40 (2350-2360)	22.82	39175	2352.5	QPSK	5MHz	1	0
Band40 (2350-2360)	22.65	39175	2352.5	QPSK	5MHz	1	12
Band40 (2350-2360)	22.72	39175	2352.5	QPSK	5MHz	1	24
Band40 (2350-2360)	22.45	39175	2352.5	QPSK	5MHz	12	0
Band40 (2350-2360)	22.53	39175	2352.5	QPSK	5MHz	12	6
Band40 (2350-2360)	22.49	39175	2352.5	QPSK	5MHz	12	13
Band40 (2350-2360)	21.95	39175	2352.5	QPSK	5MHz	25	0
Band40 (2350-2360)	22.85	39200	2355	QPSK	5MHz	1	0
Band40 (2350-2360)	22.79	39200	2355	QPSK	5MHz	1	12
Band40 (2350-2360)	22.71	39200	2355	QPSK	5MHz	1	24
Band40 (2350-2360)	22.50	39200	2355	QPSK	5MHz	12	0
Band40 (2350-2360)	22.48	39200	2355	QPSK	5MHz	12	6
Band40 (2350-2360)	22.41	39200	2355	QPSK	5MHz	12	13
Band40 (2350-2360)	21.89	39200	2355	QPSK	5MHz	25	0
Band40 (2350-2360)	22.83	39225	2357.5	QPSK	5MHz	1	0
Band40 (2350-2360)	22.81	39225	2357.5	QPSK	5MHz	1	12
Band40 (2350-2360)	22.75	39225	2357.5	QPSK	5MHz	1	24
Band40 (2350-2360)	22.57	39225	2357.5	QPSK	5MHz	12	0
Band40 (2350-2360)	22.55	39225	2357.5	QPSK	5MHz	12	6
Band40 (2350-2360)	22.49	39225	2357.5	QPSK	5MHz	12	13
Band40 (2350-2360)	21.94	39225	2357.5	QPSK	5MHz	25	0
Band40 (2350-2360)	22.09	39175	2352.5	16QAM	5MHz	1	0
Band40 (2350-2360)	21.90	39175	2352.5	16QAM	5MHz	1	12
Band40 (2350-2360)	22.02	39175	2352.5	16QAM	5MHz	1	24
Band40 (2350-2360)	21.44	39175	2352.5	16QAM	5MHz	12	0
Band40 (2350-2360)	21.52	39175	2352.5	16QAM	5MHz	12	6
Band40 (2350-2360)	21.48	39175	2352.5	16QAM	5MHz	12	13
Band40 (2350-2360)	20.86	39175	2352.5	16QAM	5MHz	25	0
Band40 (2350-2360)	22.16	39200	2355	16QAM	5MHz	1	0
Band40 (2350-2360)	22.08	39200	2355	16QAM	5MHz	1	12

Band40 (2350-2360)	22.03	39200	2355	16QAM	5MHz	1	24
Band40 (2350-2360)	21.56	39200	2355	16QAM	5MHz	12	0
Band40 (2350-2360)	21.56	39200	2355	16QAM	5MHz	12	6
Band40 (2350-2360)	21.53	39200	2355	16QAM	5MHz	12	13
Band40 (2350-2360)	20.88	39200	2355	16QAM	5MHz	25	0
Band40 (2350-2360)	22.11	39225	2357.5	16QAM	5MHz	1	0
Band40 (2350-2360)	22.00	39225	2357.5	16QAM	5MHz	1	12
Band40 (2350-2360)	21.97	39225	2357.5	16QAM	5MHz	1	24
Band40 (2350-2360)	21.60	39225	2357.5	16QAM	5MHz	12	0
Band40 (2350-2360)	21.56	39225	2357.5	16QAM	5MHz	12	6
Band40 (2350-2360)	21.51	39225	2357.5	16QAM	5MHz	12	11
Band40 (2350-2360)	20.87	39225	2357.5	16QAM	5MHz	25	0
Band40 (2350-2360)	21.26	39175	2352.5	64QAM	5MHz	1	0
Band40 (2350-2360)	21.22	39175	2352.5	64QAM	5MHz	1	12
Band40 (2350-2360)	21.09	39175	2352.5	64QAM	5MHz	1	24
Band40 (2350-2360)	20.42	39175	2352.5	64QAM	5MHz	12	0
Band40 (2350-2360)	20.57	39175	2352.5	64QAM	5MHz	12	6
Band40 (2350-2360)	20.44	39175	2352.5	64QAM	5MHz	12	13
Band40 (2350-2360)	20.03	39175	2352.5	64QAM	5MHz	25	0
Band40 (2350-2360)	21.39	39200	2355	64QAM	5MHz	1	0
Band40 (2350-2360)	21.27	39200	2355	64QAM	5MHz	1	12
Band40 (2350-2360)	21.21	39200	2355	64QAM	5MHz	1	24
Band40 (2350-2360)	20.56	39200	2355	64QAM	5MHz	12	0
Band40 (2350-2360)	20.60	39200	2355	64QAM	5MHz	12	6
Band40 (2350-2360)	20.56	39200	2355	64QAM	5MHz	12	13
Band40 (2350-2360)	20.12	39200	2355	64QAM	5MHz	25	0
Band40 (2350-2360)	21.33	39225	2357.5	64QAM	5MHz	1	0
Band40 (2350-2360)	21.24	39225	2357.5	64QAM	5MHz	1	12
Band40 (2350-2360)	21.13	39225	2357.5	64QAM	5MHz	1	24
Band40 (2350-2360)	20.66	39225	2357.5	64QAM	5MHz	12	0
Band40 (2350-2360)	20.59	39225	2357.5	64QAM	5MHz	12	6
Band40 (2350-2360)	20.49	39225	2357.5	64QAM	5MHz	12	11
Band40 (2350-2360)	20.07	39225	2357.5	64QAM	5MHz	25	0
Band40 (2350-2360)	22.87	39200	2355	QPSK	10MHz	1	0
Band40 (2350-2360)	22.75	39200	2355	QPSK	10MHz	1	24
Band40 (2350-2360)	22.63	39200	2355	QPSK	10MHz	1	49
Band40 (2350-2360)	22.48	39200	2355	QPSK	10MHz	25	0
Band40 (2350-2360)	22.45	39200	2355	QPSK	10MHz	25	12

Band40 (2350-2360)	22.40	39200	2355	QPSK	10MHz	25	25
Band40 (2350-2360)	21.85	39200	2355	QPSK	10MHz	50	0
Band40 (2350-2360)	22.09	39200	2355	16QAM	10MHz	1	0
Band40 (2350-2360)	22.04	39200	2355	16QAM	10MHz	1	24
Band40 (2350-2360)	21.96	39200	2355	16QAM	10MHz	1	49
Band40 (2350-2360)	21.54	39200	2355	16QAM	10MHz	25	0
Band40 (2350-2360)	21.52	39200	2355	16QAM	10MHz	25	12
Band40 (2350-2360)	21.46	39200	2355	16QAM	10MHz	25	25
Band40 (2350-2360)	20.94	39200	2355	16QAM	10MHz	50	0
Band40 (2350-2360)	21.26	39200	2355	64QAM	10MHz	1	0
Band40 (2350-2360)	21.22	39200	2355	64QAM	10MHz	1	24
Band40 (2350-2360)	21.18	39200	2355	64QAM	10MHz	1	49
Band40 (2350-2360)	20.56	39200	2355	64QAM	10MHz	25	0
Band40 (2350-2360)	20.52	39200	2355	64QAM	10MHz	25	12
Band40 (2350-2360)	20.45	39200	2355	64QAM	10MHz	25	25
Band40 (2350-2360)	20.16	39200	2355	64QAM	10MHz	50	0
Band41	22.88	39675	2498.5	QPSK	5MHz	1	0
Band41	22.79	39675	2498.5	QPSK	5MHz	1	12
Band41	22.71	39675	2498.5	QPSK	5MHz	1	24
Band41	22.53	39675	2498.5	QPSK	5MHz	12	0
Band41	22.59	39675	2498.5	QPSK	5MHz	12	6
Band41	22.57	39675	2498.5	QPSK	5MHz	12	13
Band41	21.96	39675	2498.5	QPSK	5MHz	25	0
Band41	22.91	40620	2593	QPSK	5MHz	1	0
Band41	22.86	40620	2593	QPSK	5MHz	1	12
Band41	22.80	40620	2593	QPSK	5MHz	1	24
Band41	22.58	40620	2593	QPSK	5MHz	12	0
Band41	22.67	40620	2593	QPSK	5MHz	12	6
Band41	22.66	40620	2593	QPSK	5MHz	12	13
Band41	22.01	40620	2593	QPSK	5MHz	25	0
Band41	22.92	41565	2687.5	QPSK	5MHz	1	0
Band41	22.77	41565	2687.5	QPSK	5MHz	1	12
Band41	22.67	41565	2687.5	QPSK	5MHz	1	24
Band41	22.62	41565	2687.5	QPSK	5MHz	12	0
Band41	22.69	41565	2687.5	QPSK	5MHz	12	6
Band41	22.66	41565	2687.5	QPSK	5MHz	12	13
Band41	21.95	41565	2687.5	QPSK	5MHz	25	0
Band41	22.20	39675	2498.5	16QAM	5MHz	1	0

Band41	22.17	39675	2498.5	16QAM	5MHz	1	12
Band41	22.24	39675	2498.5	16QAM	5MHz	1	24
Band41	21.60	39675	2498.5	16QAM	5MHz	12	0
Band41	21.71	39675	2498.5	16QAM	5MHz	12	6
Band41	21.69	39675	2498.5	16QAM	5MHz	12	13
Band41	21.02	39675	2498.5	16QAM	5MHz	25	0
Band41	22.22	40620	2593	16QAM	5MHz	1	0
Band41	22.09	40620	2593	16QAM	5MHz	1	12
Band41	22.02	40620	2593	16QAM	5MHz	1	24
Band41	21.61	40620	2593	16QAM	5MHz	12	0
Band41	21.66	40620	2593	16QAM	5MHz	12	6
Band41	21.64	40620	2593	16QAM	5MHz	12	13
Band41	21.06	40620	2593	16QAM	5MHz	25	0
Band41	22.22	41565	2687.5	16QAM	5MHz	1	0
Band41	22.17	41565	2687.5	16QAM	5MHz	1	12
Band41	22.12	41565	2687.5	16QAM	5MHz	1	24
Band41	21.61	41565	2687.5	16QAM	5MHz	12	0
Band41	21.70	41565	2687.5	16QAM	5MHz	12	6
Band41	21.67	41565	2687.5	16QAM	5MHz	12	11
Band41	20.97	41565	2687.5	16QAM	5MHz	25	0
Band41	21.44	39675	2498.5	64QAM	5MHz	1	0
Band41	21.44	39675	2498.5	64QAM	5MHz	1	12
Band41	21.44	39675	2498.5	64QAM	5MHz	1	24
Band41	20.73	39675	2498.5	64QAM	5MHz	12	0
Band41	20.80	39675	2498.5	64QAM	5MHz	12	6
Band41	20.78	39675	2498.5	64QAM	5MHz	12	13
Band41	20.21	39675	2498.5	64QAM	5MHz	25	0
Band41	21.47	40620	2593	64QAM	5MHz	1	0
Band41	21.35	40620	2593	64QAM	5MHz	1	12
Band41	21.22	40620	2593	64QAM	5MHz	1	24
Band41	20.71	40620	2593	64QAM	5MHz	12	0
Band41	20.75	40620	2593	64QAM	5MHz	12	6
Band41	20.77	40620	2593	64QAM	5MHz	12	13
Band41	20.33	40620	2593	64QAM	5MHz	25	0
Band41	21.41	41565	2687.5	64QAM	5MHz	1	0
Band41	21.38	41565	2687.5	64QAM	5MHz	1	12
Band41	21.36	41565	2687.5	64QAM	5MHz	1	24
Band41	20.77	41565	2687.5	64QAM	5MHz	12	0

Band41	20.80	41565	2687.5	64QAM	5MHz	12	6
Band41	20.83	41565	2687.5	64QAM	5MHz	12	11
Band41	20.17	41565	2687.5	64QAM	5MHz	25	0
Band41	22.88	39700	2501	QPSK	10MHz	1	0
Band41	22.85	39700	2501	QPSK	10MHz	1	24
Band41	22.83	39700	2501	QPSK	10MHz	1	49
Band41	22.52	39700	2501	QPSK	10MHz	25	0
Band41	22.53	39700	2501	QPSK	10MHz	25	12
Band41	22.50	39700	2501	QPSK	10MHz	25	25
Band41	21.97	39700	2501	QPSK	10MHz	50	0
Band41	22.87	40620	2593	QPSK	10MHz	1	0
Band41	22.86	40620	2593	QPSK	10MHz	1	24
Band41	22.83	40620	2593	QPSK	10MHz	1	49
Band41	22.45	40620	2593	QPSK	10MHz	25	0
Band41	22.55	40620	2593	QPSK	10MHz	25	12
Band41	22.52	40620	2593	QPSK	10MHz	25	25
Band41	22.01	40620	2593	QPSK	10MHz	50	0
Band41	22.94	41540	2685	QPSK	10MHz	1	0
Band41	22.88	41540	2685	QPSK	10MHz	1	24
Band41	22.90	41540	2685	QPSK	10MHz	1	49
Band41	22.48	41540	2685	QPSK	10MHz	25	0
Band41	22.52	41540	2685	QPSK	10MHz	25	12
Band41	22.58	41540	2685	QPSK	10MHz	25	25
Band41	21.96	41540	2685	QPSK	10MHz	50	0
Band41	22.24	39700	2501	16QAM	10MHz	1	0
Band41	22.16	39700	2501	16QAM	10MHz	1	24
Band41	22.13	39700	2501	16QAM	10MHz	1	49
Band41	21.50	39700	2501	16QAM	10MHz	25	0
Band41	21.53	39700	2501	16QAM	10MHz	25	12
Band41	21.49	39700	2501	16QAM	10MHz	25	25
Band41	21.01	39700	2501	16QAM	10MHz	50	0
Band41	22.22	40620	2593	16QAM	10MHz	1	0
Band41	22.17	40620	2593	16QAM	10MHz	1	24
Band41	22.12	40620	2593	16QAM	10MHz	1	49
Band41	21.47	40620	2593	16QAM	10MHz	25	0
Band41	21.58	40620	2593	16QAM	10MHz	25	12
Band41	21.59	40620	2593	16QAM	10MHz	25	25
Band41	20.98	40620	2593	16QAM	10MHz	50	0

Band41	22.26	41540	2685	16QAM	10MHz	1	0
Band41	22.24	41540	2685	16QAM	10MHz	1	24
Band41	22.16	41540	2685	16QAM	10MHz	1	49
Band41	21.48	41540	2685	16QAM	10MHz	25	0
Band41	21.49	41540	2685	16QAM	10MHz	25	12
Band41	21.56	41540	2685	16QAM	10MHz	25	25
Band41	20.97	41540	2685	16QAM	10MHz	50	0
Band41	21.43	39700	2501	64QAM	10MHz	1	0
Band41	21.35	39700	2501	64QAM	10MHz	1	24
Band41	21.50	39700	2501	64QAM	10MHz	1	49
Band41	20.76	39700	2501	64QAM	10MHz	25	0
Band41	20.87	39700	2501	64QAM	10MHz	25	12
Band41	20.85	39700	2501	64QAM	10MHz	25	25
Band41	20.28	39700	2501	64QAM	10MHz	50	0
Band41	21.45	40620	2593	64QAM	10MHz	1	0
Band41	21.29	40620	2593	64QAM	10MHz	1	24
Band41	21.29	40620	2593	64QAM	10MHz	1	49
Band41	20.78	40620	2593	64QAM	10MHz	25	0
Band41	20.80	40620	2593	64QAM	10MHz	25	12
Band41	20.80	40620	2593	64QAM	10MHz	25	25
Band41	20.30	40620	2593	64QAM	10MHz	50	0
Band41	21.49	41540	2685	64QAM	10MHz	1	0
Band41	21.38	41540	2685	64QAM	10MHz	1	24
Band41	21.40	41540	2685	64QAM	10MHz	1	49
Band41	20.73	41540	2685	64QAM	10MHz	25	0
Band41	20.84	41540	2685	64QAM	10MHz	25	12
Band41	20.75	41540	2685	64QAM	10MHz	25	25
Band41	20.21	41540	2685	64QAM	10MHz	50	0
Band41	22.88	39725	2503.5	QPSK	15MHz	1	0
Band41	22.77	39725	2503.5	QPSK	15MHz	1	37
Band41	22.73	39725	2503.5	QPSK	15MHz	1	74
Band41	22.45	39725	2503.5	QPSK	15MHz	36	0
Band41	22.46	39725	2503.5	QPSK	15MHz	36	19
Band41	22.40	39725	2503.5	QPSK	15MHz	36	39
Band41	21.92	39725	2503.5	QPSK	15MHz	75	0
Band41	22.87	40620	2593	QPSK	15MHz	1	0
Band41	22.75	40620	2593	QPSK	15MHz	1	37
Band41	22.69	40620	2593	QPSK	15MHz	1	74

Band41	22.48	40620	2593	QPSK	15MHz	36	0
Band41	22.52	40620	2593	QPSK	15MHz	36	19
Band41	22.54	40620	2593	QPSK	15MHz	36	39
Band41	22.01	40620	2593	QPSK	15MHz	75	0
Band41	22.91	41515	2682.5	QPSK	15MHz	1	0
Band41	22.77	41515	2682.5	QPSK	15MHz	1	37
Band41	22.73	41515	2682.5	QPSK	15MHz	1	74
Band41	22.50	41515	2682.5	QPSK	15MHz	36	0
Band41	22.49	41515	2682.5	QPSK	15MHz	36	19
Band41	22.56	41515	2682.5	QPSK	15MHz	36	39
Band41	21.98	41515	2682.5	QPSK	15MHz	75	0
Band41	22.24	39725	2503.5	16QAM	15MHz	1	0
Band41	22.18	39725	2503.5	16QAM	15MHz	1	37
Band41	22.16	39725	2503.5	16QAM	15MHz	1	74
Band41	21.56	39725	2503.5	16QAM	15MHz	36	0
Band41	21.55	39725	2503.5	16QAM	15MHz	36	19
Band41	21.55	39725	2503.5	16QAM	15MHz	36	39
Band41	20.97	39725	2503.5	16QAM	15MHz	75	0
Band41	22.23	40620	2593	16QAM	15MHz	1	0
Band41	22.13	40620	2593	16QAM	15MHz	1	37
Band41	22.06	40620	2593	16QAM	15MHz	1	74
Band41	21.49	40620	2593	16QAM	15MHz	36	0
Band41	21.55	40620	2593	16QAM	15MHz	36	19
Band41	21.55	40620	2593	16QAM	15MHz	36	39
Band41	20.99	40620	2593	16QAM	15MHz	75	0
Band41	22.27	41515	2682.5	16QAM	15MHz	1	0
Band41	22.10	41515	2682.5	16QAM	15MHz	1	37
Band41	22.20	41515	2682.5	16QAM	15MHz	1	74
Band41	21.51	41515	2682.5	16QAM	15MHz	36	0
Band41	21.50	41515	2682.5	16QAM	15MHz	36	19
Band41	21.58	41515	2682.5	16QAM	15MHz	36	39
Band41	20.98	41515	2682.5	16QAM	15MHz	75	0
Band41	21.48	39725	2503.5	64QAM	15MHz	1	0
Band41	21.38	39725	2503.5	64QAM	15MHz	1	37
Band41	21.43	39725	2503.5	64QAM	15MHz	1	74
Band41	20.68	39725	2503.5	64QAM	15MHz	36	0
Band41	20.79	39725	2503.5	64QAM	15MHz	36	19
Band41	20.85	39725	2503.5	64QAM	15MHz	36	39

Band41	20.23	39725	2503.5	64QAM	15MHz	75	0
Band41	21.42	40620	2593	64QAM	15MHz	1	0
Band41	21.32	40620	2593	64QAM	15MHz	1	37
Band41	21.30	40620	2593	64QAM	15MHz	1	74
Band41	20.73	40620	2593	64QAM	15MHz	36	0
Band41	20.79	40620	2593	64QAM	15MHz	36	19
Band41	20.73	40620	2593	64QAM	15MHz	36	39
Band41	20.25	40620	2593	64QAM	15MHz	75	0
Band41	21.45	41515	2682.5	64QAM	15MHz	1	0
Band41	21.38	41515	2682.5	64QAM	15MHz	1	37
Band41	21.38	41515	2682.5	64QAM	15MHz	1	74
Band41	20.69	41515	2682.5	64QAM	15MHz	36	0
Band41	20.81	41515	2682.5	64QAM	15MHz	36	19
Band41	20.83	41515	2682.5	64QAM	15MHz	36	39
Band41	20.21	41515	2682.5	64QAM	15MHz	75	0
Band41	22.95	39750	2506	QPSK	20MHz	1	0
Band41	22.91	39750	2506	QPSK	20MHz	1	49
Band41	22.87	39750	2506	QPSK	20MHz	1	99
Band41	22.56	39750	2506	QPSK	20MHz	50	0
Band41	22.55	39750	2506	QPSK	20MHz	50	25
Band41	22.54	39750	2506	QPSK	20MHz	50	50
Band41	22.02	39750	2506	QPSK	20MHz	100	0
Band41	22.97	40620	2593	QPSK	20MHz	1	0
Band41	22.94	40620	2593	QPSK	20MHz	1	49
Band41	22.93	40620	2593	QPSK	20MHz	1	99
Band41	22.61	40620	2593	QPSK	20MHz	50	0
Band41	22.63	40620	2593	QPSK	20MHz	50	25
Band41	22.61	40620	2593	QPSK	20MHz	50	50
Band41	22.06	40620	2593	QPSK	20MHz	100	0
Band41	23.01	41490	2680	QPSK	20MHz	1	0
Band41	22.89	41490	2680	QPSK	20MHz	1	49
Band41	22.80	41490	2680	QPSK	20MHz	1	99
Band41	22.70	41490	2680	QPSK	20MHz	50	0
Band41	22.75	41490	2680	QPSK	20MHz	50	25
Band41	22.72	41490	2680	QPSK	20MHz	50	50
Band41	21.98	41490	2680	QPSK	20MHz	100	0
Band41	22.23	39750	2506	16QAM	20MHz	1	0
Band41	22.18	39750	2506	16QAM	20MHz	1	49

Band41	22.06	39750	2506	16QAM	20MHz	1	99
Band41	21.48	39750	2506	16QAM	20MHz	50	0
Band41	21.52	39750	2506	16QAM	20MHz	50	25
Band41	21.46	39750	2506	16QAM	20MHz	50	50
Band41	20.91	39750	2506	16QAM	20MHz	100	0
Band41	22.25	40620	2593	16QAM	20MHz	1	0
Band41	22.23	40620	2593	16QAM	20MHz	1	49
Band41	22.17	40620	2593	16QAM	20MHz	1	99
Band41	21.50	40620	2593	16QAM	20MHz	50	0
Band41	21.53	40620	2593	16QAM	20MHz	50	25
Band41	21.52	40620	2593	16QAM	20MHz	50	50
Band41	20.96	40620	2593	16QAM	20MHz	100	0
Band41	22.29	41490	2680	16QAM	20MHz	1	0
Band41	22.23	41490	2680	16QAM	20MHz	1	49
Band41	22.19	41490	2680	16QAM	20MHz	1	99
Band41	20.82	41490	2680	16QAM	20MHz	50	0
Band41	20.85	41490	2680	16QAM	20MHz	50	25
Band41	20.83	41490	2680	16QAM	20MHz	50	50
Band41	21.03	41490	2680	16QAM	20MHz	100	0
Band41	21.43	39750	2506	64QAM	20MHz	1	0
Band41	21.43	39750	2506	64QAM	20MHz	1	49
Band41	21.52	39750	2506	64QAM	20MHz	1	99
Band41	20.70	39750	2506	64QAM	20MHz	50	0
Band41	20.80	39750	2506	64QAM	20MHz	50	25
Band41	20.76	39750	2506	64QAM	20MHz	50	50
Band41	20.20	39750	2506	64QAM	20MHz	100	0
Band41	21.44	40620	2593	64QAM	20MHz	1	0
Band41	21.31	40620	2593	64QAM	20MHz	1	49
Band41	21.29	40620	2593	64QAM	20MHz	1	99
Band41	20.73	40620	2593	64QAM	20MHz	50	0
Band41	20.76	40620	2593	64QAM	20MHz	50	25
Band41	20.80	40620	2593	64QAM	20MHz	50	50
Band41	20.33	40620	2593	64QAM	20MHz	100	0
Band41	21.46	41490	2680	64QAM	20MHz	1	0
Band41	21.39	41490	2680	64QAM	20MHz	1	49
Band41	21.39	41490	2680	64QAM	20MHz	1	99
Band41	20.73	41490	2680	64QAM	20MHz	50	0
Band41	20.86	41490	2680	64QAM	20MHz	50	25

Band41	20.76	41490	2680	64QAM	20MHz	50	50
Band41	20.19	41490	2680	64QAM	20MHz	100	0
Band42 (3450-3550)	22.84	42115	3452.5	QPSK	5MHz	1	0
Band42 (3450-3550)	22.83	42115	3452.5	QPSK	5MHz	1	12
Band42 (3450-3550)	22.76	42115	3452.5	QPSK	5MHz	1	24
Band42 (3450-3550)	22.65	42115	3452.5	QPSK	5MHz	12	0
Band42 (3450-3550)	22.69	42115	3452.5	QPSK	5MHz	12	6
Band42 (3450-3550)	22.61	42115	3452.5	QPSK	5MHz	12	13
Band42 (3450-3550)	21.93	42115	3452.5	QPSK	5MHz	25	0
Band42 (3450-3550)	22.82	42590	3500	QPSK	5MHz	1	0
Band42 (3450-3550)	22.79	42590	3500	QPSK	5MHz	1	12
Band42 (3450-3550)	22.75	42590	3500	QPSK	5MHz	1	24
Band42 (3450-3550)	22.65	42590	3500	QPSK	5MHz	12	0
Band42 (3450-3550)	22.70	42590	3500	QPSK	5MHz	12	6
Band42 (3450-3550)	22.68	42590	3500	QPSK	5MHz	12	13
Band42 (3450-3550)	21.87	42590	3500	QPSK	5MHz	25	0
Band42 (3450-3550)	22.79	43065	3547.5	QPSK	5MHz	1	0
Band42 (3450-3550)	22.76	43065	3547.5	QPSK	5MHz	1	12
Band42 (3450-3550)	22.62	43065	3547.5	QPSK	5MHz	1	24
Band42 (3450-3550)	22.70	43065	3547.5	QPSK	5MHz	12	0
Band42 (3450-3550)	22.64	43065	3547.5	QPSK	5MHz	12	6
Band42 (3450-3550)	22.57	43065	3547.5	QPSK	5MHz	12	13
Band42 (3450-3550)	21.88	43065	3547.5	QPSK	5MHz	25	0
Band42 (3450-3550)	22.17	42115	3452.5	16QAM	5MHz	1	0
Band42 (3450-3550)	22.11	42115	3452.5	16QAM	5MHz	1	12
Band42 (3450-3550)	22.05	42115	3452.5	16QAM	5MHz	1	24
Band42 (3450-3550)	21.75	42115	3452.5	16QAM	5MHz	12	0
Band42 (3450-3550)	21.88	42115	3452.5	16QAM	5MHz	12	6
Band42 (3450-3550)	21.79	42115	3452.5	16QAM	5MHz	12	13
Band42 (3450-3550)	20.90	42115	3452.5	16QAM	5MHz	25	0
Band42 (3450-3550)	22.20	42590	3500	16QAM	5MHz	1	0
Band42 (3450-3550)	22.17	42590	3500	16QAM	5MHz	1	12
Band42 (3450-3550)	22.10	42590	3500	16QAM	5MHz	1	24
Band42 (3450-3550)	21.76	42590	3500	16QAM	5MHz	12	0
Band42 (3450-3550)	21.84	42590	3500	16QAM	5MHz	12	6
Band42 (3450-3550)	21.83	42590	3500	16QAM	5MHz	12	13
Band42 (3450-3550)	20.82	42590	3500	16QAM	5MHz	25	0
Band42 (3450-3550)	22.12	43065	3547.5	16QAM	5MHz	1	0

Band42 (3450-3550)	22.05	43065	3547.5	16QAM	5MHz	1	12
Band42 (3450-3550)	21.98	43065	3547.5	16QAM	5MHz	1	24
Band42 (3450-3550)	21.77	43065	3547.5	16QAM	5MHz	12	0
Band42 (3450-3550)	21.80	43065	3547.5	16QAM	5MHz	12	6
Band42 (3450-3550)	21.78	43065	3547.5	16QAM	5MHz	12	11
Band42 (3450-3550)	20.85	43065	3547.5	16QAM	5MHz	25	0
Band42 (3450-3550)	21.52	42115	3452.5	64QAM	5MHz	1	0
Band42 (3450-3550)	21.45	42115	3452.5	64QAM	5MHz	1	12
Band42 (3450-3550)	21.27	42115	3452.5	64QAM	5MHz	1	24
Band42 (3450-3550)	20.72	42115	3452.5	64QAM	5MHz	12	0
Band42 (3450-3550)	20.73	42115	3452.5	64QAM	5MHz	12	6
Band42 (3450-3550)	20.58	42115	3452.5	64QAM	5MHz	12	13
Band42 (3450-3550)	20.08	42115	3452.5	64QAM	5MHz	25	0
Band42 (3450-3550)	21.43	42590	3500	64QAM	5MHz	1	0
Band42 (3450-3550)	21.41	42590	3500	64QAM	5MHz	1	12
Band42 (3450-3550)	21.33	42590	3500	64QAM	5MHz	1	24
Band42 (3450-3550)	20.61	42590	3500	64QAM	5MHz	12	0
Band42 (3450-3550)	20.76	42590	3500	64QAM	5MHz	12	6
Band42 (3450-3550)	20.69	42590	3500	64QAM	5MHz	12	13
Band42 (3450-3550)	20.06	42590	3500	64QAM	5MHz	25	0
Band42 (3450-3550)	21.35	43065	3547.5	64QAM	5MHz	1	0
Band42 (3450-3550)	21.36	43065	3547.5	64QAM	5MHz	1	12
Band42 (3450-3550)	21.17	43065	3547.5	64QAM	5MHz	1	24
Band42 (3450-3550)	20.67	43065	3547.5	64QAM	5MHz	12	0
Band42 (3450-3550)	20.74	43065	3547.5	64QAM	5MHz	12	6
Band42 (3450-3550)	20.60	43065	3547.5	64QAM	5MHz	12	11
Band42 (3450-3550)	19.97	43065	3547.5	64QAM	5MHz	25	0
Band42 (3450-3550)	22.83	42140	3455	QPSK	10MHz	1	0
Band42 (3450-3550)	22.80	42140	3455	QPSK	10MHz	1	24
Band42 (3450-3550)	22.65	42140	3455	QPSK	10MHz	1	49
Band42 (3450-3550)	22.61	42140	3455	QPSK	10MHz	25	0
Band42 (3450-3550)	22.69	42140	3455	QPSK	10MHz	25	12
Band42 (3450-3550)	22.64	42140	3455	QPSK	10MHz	25	25
Band42 (3450-3550)	21.86	42140	3455	QPSK	10MHz	50	0
Band42 (3450-3550)	22.82	42590	3500	QPSK	10MHz	1	0
Band42 (3450-3550)	22.81	42590	3500	QPSK	10MHz	1	24
Band42 (3450-3550)	22.56	42590	3500	QPSK	10MHz	1	49
Band42 (3450-3550)	22.56	42590	3500	QPSK	10MHz	25	0

Band42 (3450-3550)	22.57	42590	3500	QPSK	10MHz	25	12
Band42 (3450-3550)	22.51	42590	3500	QPSK	10MHz	25	25
Band42 (3450-3550)	21.82	42590	3500	QPSK	10MHz	50	0
Band42 (3450-3550)	22.81	43040	3545	QPSK	10MHz	1	0
Band42 (3450-3550)	22.70	43040	3545	QPSK	10MHz	1	24
Band42 (3450-3550)	22.56	43040	3545	QPSK	10MHz	1	49
Band42 (3450-3550)	22.51	43040	3545	QPSK	10MHz	25	0
Band42 (3450-3550)	22.61	43040	3545	QPSK	10MHz	25	12
Band42 (3450-3550)	22.58	43040	3545	QPSK	10MHz	25	25
Band42 (3450-3550)	21.83	43040	3545	QPSK	10MHz	50	0
Band42 (3450-3550)	22.16	42140	3455	16QAM	10MHz	1	0
Band42 (3450-3550)	22.12	42140	3455	16QAM	10MHz	1	24
Band42 (3450-3550)	22.05	42140	3455	16QAM	10MHz	1	49
Band42 (3450-3550)	21.78	42140	3455	16QAM	10MHz	25	0
Band42 (3450-3550)	21.73	42140	3455	16QAM	10MHz	25	12
Band42 (3450-3550)	21.70	42140	3455	16QAM	10MHz	25	25
Band42 (3450-3550)	20.86	42140	3455	16QAM	10MHz	50	0
Band42 (3450-3550)	22.17	42590	3500	16QAM	10MHz	1	0
Band42 (3450-3550)	22.14	42590	3500	16QAM	10MHz	1	24
Band42 (3450-3550)	22.04	42590	3500	16QAM	10MHz	1	49
Band42 (3450-3550)	21.74	42590	3500	16QAM	10MHz	25	0
Band42 (3450-3550)	21.74	42590	3500	16QAM	10MHz	25	12
Band42 (3450-3550)	21.66	42590	3500	16QAM	10MHz	25	25
Band42 (3450-3550)	20.89	42590	3500	16QAM	10MHz	50	0
Band42 (3450-3550)	22.10	43040	3545	16QAM	10MHz	1	0
Band42 (3450-3550)	21.95	43040	3545	16QAM	10MHz	1	24
Band42 (3450-3550)	21.96	43040	3545	16QAM	10MHz	1	49
Band42 (3450-3550)	21.69	43040	3545	16QAM	10MHz	25	0
Band42 (3450-3550)	21.68	43040	3545	16QAM	10MHz	25	12
Band42 (3450-3550)	21.66	43040	3545	16QAM	10MHz	25	25
Band42 (3450-3550)	20.79	43040	3545	16QAM	10MHz	50	0
Band42 (3450-3550)	21.47	42140	3455	64QAM	10MHz	1	0
Band42 (3450-3550)	21.36	42140	3455	64QAM	10MHz	1	24
Band42 (3450-3550)	21.37	42140	3455	64QAM	10MHz	1	49
Band42 (3450-3550)	20.65	42140	3455	64QAM	10MHz	25	0
Band42 (3450-3550)	20.75	42140	3455	64QAM	10MHz	25	12
Band42 (3450-3550)	20.68	42140	3455	64QAM	10MHz	25	25
Band42 (3450-3550)	20.09	42140	3455	64QAM	10MHz	50	0

Band42 (3450-3550)	21.40	42590	3500	64QAM	10MHz	1	0
Band42 (3450-3550)	21.43	42590	3500	64QAM	10MHz	1	24
Band42 (3450-3550)	21.30	42590	3500	64QAM	10MHz	1	49
Band42 (3450-3550)	20.68	42590	3500	64QAM	10MHz	25	0
Band42 (3450-3550)	20.72	42590	3500	64QAM	10MHz	25	12
Band42 (3450-3550)	20.74	42590	3500	64QAM	10MHz	25	25
Band42 (3450-3550)	20.06	42590	3500	64QAM	10MHz	50	0
Band42 (3450-3550)	21.33	43040	3545	64QAM	10MHz	1	0
Band42 (3450-3550)	21.29	43040	3545	64QAM	10MHz	1	24
Band42 (3450-3550)	21.22	43040	3545	64QAM	10MHz	1	49
Band42 (3450-3550)	20.68	43040	3545	64QAM	10MHz	25	0
Band42 (3450-3550)	20.62	43040	3545	64QAM	10MHz	25	12
Band42 (3450-3550)	20.58	43040	3545	64QAM	10MHz	25	25
Band42 (3450-3550)	19.99	43040	3545	64QAM	10MHz	50	0
Band42 (3450-3550)	22.82	42165	3457.5	QPSK	15MHz	1	0
Band42 (3450-3550)	22.70	42165	3457.5	QPSK	15MHz	1	37
Band42 (3450-3550)	22.62	42165	3457.5	QPSK	15MHz	1	74
Band42 (3450-3550)	22.59	42165	3457.5	QPSK	15MHz	36	0
Band42 (3450-3550)	22.55	42165	3457.5	QPSK	15MHz	36	19
Band42 (3450-3550)	22.47	42165	3457.5	QPSK	15MHz	36	39
Band42 (3450-3550)	21.94	42165	3457.5	QPSK	15MHz	75	0
Band42 (3450-3550)	22.80	42590	3500	QPSK	15MHz	1	0
Band42 (3450-3550)	22.63	42590	3500	QPSK	15MHz	1	37
Band42 (3450-3550)	22.54	42590	3500	QPSK	15MHz	1	74
Band42 (3450-3550)	22.49	42590	3500	QPSK	15MHz	36	0
Band42 (3450-3550)	22.42	42590	3500	QPSK	15MHz	36	19
Band42 (3450-3550)	22.31	42590	3500	QPSK	15MHz	36	39
Band42 (3450-3550)	21.82	42590	3500	QPSK	15MHz	75	0
Band42 (3450-3550)	22.77	43015	3542.5	QPSK	15MHz	1	0
Band42 (3450-3550)	22.70	43015	3542.5	QPSK	15MHz	1	37
Band42 (3450-3550)	22.64	43015	3542.5	QPSK	15MHz	1	74
Band42 (3450-3550)	22.48	43015	3542.5	QPSK	15MHz	36	0
Band42 (3450-3550)	22.38	43015	3542.5	QPSK	15MHz	36	19
Band42 (3450-3550)	22.35	43015	3542.5	QPSK	15MHz	36	39
Band42 (3450-3550)	21.86	43015	3542.5	QPSK	15MHz	75	0
Band42 (3450-3550)	22.19	42165	3457.5	16QAM	15MHz	1	0
Band42 (3450-3550)	21.98	42165	3457.5	16QAM	15MHz	1	37
Band42 (3450-3550)	22.00	42165	3457.5	16QAM	15MHz	1	74

Band42 (3450-3550)	21.82	42165	3457.5	16QAM	15MHz	36	0
Band42 (3450-3550)	21.81	42165	3457.5	16QAM	15MHz	36	19
Band42 (3450-3550)	21.70	42165	3457.5	16QAM	15MHz	36	39
Band42 (3450-3550)	20.88	42165	3457.5	16QAM	15MHz	75	0
Band42 (3450-3550)	22.16	42590	3500	16QAM	15MHz	1	0
Band42 (3450-3550)	22.09	42590	3500	16QAM	15MHz	1	37
Band42 (3450-3550)	22.00	42590	3500	16QAM	15MHz	1	74
Band42 (3450-3550)	21.86	42590	3500	16QAM	15MHz	36	0
Band42 (3450-3550)	21.80	42590	3500	16QAM	15MHz	36	19
Band42 (3450-3550)	21.74	42590	3500	16QAM	15MHz	36	39
Band42 (3450-3550)	20.91	42590	3500	16QAM	15MHz	75	0
Band42 (3450-3550)	22.12	43015	3542.5	16QAM	15MHz	1	0
Band42 (3450-3550)	21.92	43015	3542.5	16QAM	15MHz	1	37
Band42 (3450-3550)	21.91	43015	3542.5	16QAM	15MHz	1	74
Band42 (3450-3550)	21.81	43015	3542.5	16QAM	15MHz	36	0
Band42 (3450-3550)	21.70	43015	3542.5	16QAM	15MHz	36	19
Band42 (3450-3550)	21.73	43015	3542.5	16QAM	15MHz	36	39
Band42 (3450-3550)	20.89	43015	3542.5	16QAM	15MHz	75	0
Band42 (3450-3550)	21.50	42165	3457.5	64QAM	15MHz	1	0
Band42 (3450-3550)	21.37	42165	3457.5	64QAM	15MHz	1	37
Band42 (3450-3550)	21.34	42165	3457.5	64QAM	15MHz	1	74
Band42 (3450-3550)	20.71	42165	3457.5	64QAM	15MHz	36	0
Band42 (3450-3550)	20.75	42165	3457.5	64QAM	15MHz	36	19
Band42 (3450-3550)	20.65	42165	3457.5	64QAM	15MHz	36	39
Band42 (3450-3550)	20.11	42165	3457.5	64QAM	15MHz	75	0
Band42 (3450-3550)	21.44	42590	3500	64QAM	15MHz	1	0
Band42 (3450-3550)	21.42	42590	3500	64QAM	15MHz	1	37
Band42 (3450-3550)	21.33	42590	3500	64QAM	15MHz	1	74
Band42 (3450-3550)	20.69	42590	3500	64QAM	15MHz	36	0
Band42 (3450-3550)	20.72	42590	3500	64QAM	15MHz	36	19
Band42 (3450-3550)	20.76	42590	3500	64QAM	15MHz	36	39
Band42 (3450-3550)	20.08	42590	3500	64QAM	15MHz	75	0
Band42 (3450-3550)	21.31	43015	3542.5	64QAM	15MHz	1	0
Band42 (3450-3550)	21.29	43015	3542.5	64QAM	15MHz	1	37
Band42 (3450-3550)	21.24	43015	3542.5	64QAM	15MHz	1	74
Band42 (3450-3550)	20.65	43015	3542.5	64QAM	15MHz	36	0
Band42 (3450-3550)	20.68	43015	3542.5	64QAM	15MHz	36	19
Band42 (3450-3550)	20.57	43015	3542.5	64QAM	15MHz	36	39

Band42 (3450-3550)	20.09	43015	3542.5	64QAM	15MHz	75	0
Band42 (3450-3550)	22.87	42190	3460	QPSK	20MHz	1	0
Band42 (3450-3550)	22.82	42190	3460	QPSK	20MHz	1	49
Band42 (3450-3550)	22.69	42190	3460	QPSK	20MHz	1	99
Band42 (3450-3550)	22.45	42190	3460	QPSK	20MHz	50	0
Band42 (3450-3550)	22.53	42190	3460	QPSK	20MHz	50	25
Band42 (3450-3550)	22.39	42190	3460	QPSK	20MHz	50	50
Band42 (3450-3550)	21.92	42190	3460	QPSK	20MHz	100	0
Band42 (3450-3550)	22.83	42590	3500	QPSK	20MHz	1	0
Band42 (3450-3550)	22.78	42590	3500	QPSK	20MHz	1	49
Band42 (3450-3550)	22.65	42590	3500	QPSK	20MHz	1	99
Band42 (3450-3550)	22.60	42590	3500	QPSK	20MHz	50	0
Band42 (3450-3550)	22.53	42590	3500	QPSK	20MHz	50	25
Band42 (3450-3550)	22.42	42590	3500	QPSK	20MHz	50	50
Band42 (3450-3550)	21.97	42590	3500	QPSK	20MHz	100	0
Band42 (3450-3550)	22.78	42990	3540	QPSK	20MHz	1	0
Band42 (3450-3550)	22.73	42990	3540	QPSK	20MHz	1	49
Band42 (3450-3550)	22.64	42990	3540	QPSK	20MHz	1	99
Band42 (3450-3550)	22.55	42990	3540	QPSK	20MHz	50	0
Band42 (3450-3550)	22.45	42990	3540	QPSK	20MHz	50	25
Band42 (3450-3550)	22.33	42990	3540	QPSK	20MHz	50	50
Band42 (3450-3550)	21.88	42990	3540	QPSK	20MHz	100	0
Band42 (3450-3550)	22.08	42190	3460	16QAM	20MHz	1	0
Band42 (3450-3550)	22.05	42190	3460	16QAM	20MHz	1	49
Band42 (3450-3550)	21.93	42190	3460	16QAM	20MHz	1	99
Band42 (3450-3550)	21.82	42190	3460	16QAM	20MHz	50	0
Band42 (3450-3550)	21.84	42190	3460	16QAM	20MHz	50	25
Band42 (3450-3550)	21.73	42190	3460	16QAM	20MHz	50	50
Band42 (3450-3550)	20.96	42190	3460	16QAM	20MHz	100	0
Band42 (3450-3550)	22.19	42590	3500	16QAM	20MHz	1	0
Band42 (3450-3550)	22.07	42590	3500	16QAM	20MHz	1	49
Band42 (3450-3550)	21.99	42590	3500	16QAM	20MHz	1	99
Band42 (3450-3550)	21.86	42590	3500	16QAM	20MHz	50	0
Band42 (3450-3550)	21.77	42590	3500	16QAM	20MHz	50	25
Band42 (3450-3550)	21.69	42590	3500	16QAM	20MHz	50	50
Band42 (3450-3550)	20.99	42590	3500	16QAM	20MHz	100	0
Band42 (3450-3550)	22.13	42990	3540	16QAM	20MHz	1	0
Band42 (3450-3550)	21.94	42990	3540	16QAM	20MHz	1	49

Band42 (3450-3550)	21.69	42990	3540	16QAM	20MHz	1	99
Band42 (3450-3550)	21.81	42990	3540	16QAM	20MHz	50	0
Band42 (3450-3550)	21.77	42990	3540	16QAM	20MHz	50	25
Band42 (3450-3550)	21.61	42990	3540	16QAM	20MHz	50	50
Band42 (3450-3550)	20.91	42990	3540	16QAM	20MHz	100	0
Band42 (3450-3550)	21.52	42190	3460	64QAM	20MHz	1	0
Band42 (3450-3550)	21.28	42190	3460	64QAM	20MHz	1	49
Band42 (3450-3550)	21.35	42190	3460	64QAM	20MHz	1	99
Band42 (3450-3550)	20.63	42190	3460	64QAM	20MHz	50	0
Band42 (3450-3550)	20.67	42190	3460	64QAM	20MHz	50	25
Band42 (3450-3550)	20.58	42190	3460	64QAM	20MHz	50	50
Band42 (3450-3550)	20.10	42190	3460	64QAM	20MHz	100	0
Band42 (3450-3550)	21.47	42590	3500	64QAM	20MHz	1	0
Band42 (3450-3550)	21.41	42590	3500	64QAM	20MHz	1	49
Band42 (3450-3550)	21.36	42590	3500	64QAM	20MHz	1	99
Band42 (3450-3550)	20.62	42590	3500	64QAM	20MHz	50	0
Band42 (3450-3550)	20.78	42590	3500	64QAM	20MHz	50	25
Band42 (3450-3550)	20.70	42590	3500	64QAM	20MHz	50	50
Band42 (3450-3550)	20.10	42590	3500	64QAM	20MHz	100	0
Band42 (3450-3550)	21.35	42990	3540	64QAM	20MHz	1	0
Band42 (3450-3550)	21.28	42990	3540	64QAM	20MHz	1	49
Band42 (3450-3550)	21.23	42990	3540	64QAM	20MHz	1	99
Band42 (3450-3550)	20.64	42990	3540	64QAM	20MHz	50	0
Band42 (3450-3550)	20.67	42990	3540	64QAM	20MHz	50	25
Band42 (3450-3550)	20.65	42990	3540	64QAM	20MHz	50	50
Band42 (3450-3550)	20.02	42990	3540	64QAM	20MHz	100	0
Band42 (3550-3600)	22.84	43115	3552.5	QPSK	5MHz	1	0
Band42 (3550-3600)	22.78	43115	3552.5	QPSK	5MHz	1	12
Band42 (3550-3600)	22.72	43115	3552.5	QPSK	5MHz	1	24
Band42 (3550-3600)	22.65	43115	3552.5	QPSK	5MHz	12	0
Band42 (3550-3600)	22.62	43115	3552.5	QPSK	5MHz	12	6
Band42 (3550-3600)	22.62	43115	3552.5	QPSK	5MHz	12	13
Band42 (3550-3600)	21.93	43115	3552.5	QPSK	5MHz	25	0
Band42 (3550-3600)	22.80	43340	3575	QPSK	5MHz	1	0
Band42 (3550-3600)	22.70	43340	3575	QPSK	5MHz	1	12
Band42 (3550-3600)	22.68	43340	3575	QPSK	5MHz	1	24
Band42 (3550-3600)	22.59	43340	3575	QPSK	5MHz	12	0
Band42 (3550-3600)	22.63	43340	3575	QPSK	5MHz	12	6

Band42 (3550-3600)	22.64	43340	3575	QPSK	5MHz	12	13
Band42 (3550-3600)	21.85	43340	3575	QPSK	5MHz	25	0
Band42 (3550-3600)	22.83	43565	3597.5	QPSK	5MHz	1	0
Band42 (3550-3600)	22.77	43565	3597.5	QPSK	5MHz	1	12
Band42 (3550-3600)	22.72	43565	3597.5	QPSK	5MHz	1	24
Band42 (3550-3600)	22.70	43565	3597.5	QPSK	5MHz	12	0
Band42 (3550-3600)	22.68	43565	3597.5	QPSK	5MHz	12	6
Band42 (3550-3600)	22.64	43565	3597.5	QPSK	5MHz	12	13
Band42 (3550-3600)	21.90	43565	3597.5	QPSK	5MHz	25	0
Band42 (3550-3600)	22.16	43115	3552.5	16QAM	5MHz	1	0
Band42 (3550-3600)	22.18	43115	3552.5	16QAM	5MHz	1	12
Band42 (3550-3600)	22.09	43115	3552.5	16QAM	5MHz	1	24
Band42 (3550-3600)	21.76	43115	3552.5	16QAM	5MHz	12	0
Band42 (3550-3600)	21.87	43115	3552.5	16QAM	5MHz	12	6
Band42 (3550-3600)	21.80	43115	3552.5	16QAM	5MHz	12	13
Band42 (3550-3600)	20.83	43115	3552.5	16QAM	5MHz	25	0
Band42 (3550-3600)	22.19	43340	3575	16QAM	5MHz	1	0
Band42 (3550-3600)	22.15	43340	3575	16QAM	5MHz	1	12
Band42 (3550-3600)	22.03	43340	3575	16QAM	5MHz	1	24
Band42 (3550-3600)	21.68	43340	3575	16QAM	5MHz	12	0
Band42 (3550-3600)	21.76	43340	3575	16QAM	5MHz	12	6
Band42 (3550-3600)	21.77	43340	3575	16QAM	5MHz	12	13
Band42 (3550-3600)	20.73	43340	3575	16QAM	5MHz	25	0
Band42 (3550-3600)	22.18	43565	3597.5	16QAM	5MHz	1	0
Band42 (3550-3600)	22.11	43565	3597.5	16QAM	5MHz	1	12
Band42 (3550-3600)	22.04	43565	3597.5	16QAM	5MHz	1	24
Band42 (3550-3600)	21.82	43565	3597.5	16QAM	5MHz	12	0
Band42 (3550-3600)	21.83	43565	3597.5	16QAM	5MHz	12	6
Band42 (3550-3600)	21.79	43565	3597.5	16QAM	5MHz	12	11
Band42 (3550-3600)	20.87	43565	3597.5	16QAM	5MHz	25	0
Band42 (3550-3600)	21.46	43115	3552.5	64QAM	5MHz	1	0
Band42 (3550-3600)	21.45	43115	3552.5	64QAM	5MHz	1	12
Band42 (3550-3600)	21.26	43115	3552.5	64QAM	5MHz	1	24
Band42 (3550-3600)	20.66	43115	3552.5	64QAM	5MHz	12	0
Band42 (3550-3600)	20.71	43115	3552.5	64QAM	5MHz	12	6
Band42 (3550-3600)	20.64	43115	3552.5	64QAM	5MHz	12	13
Band42 (3550-3600)	20.05	43115	3552.5	64QAM	5MHz	25	0
Band42 (3550-3600)	21.36	43340	3575	64QAM	5MHz	1	0

Band42 (3550-3600)	21.33	43340	3575	64QAM	5MHz	1	12
Band42 (3550-3600)	21.31	43340	3575	64QAM	5MHz	1	24
Band42 (3550-3600)	20.53	43340	3575	64QAM	5MHz	12	0
Band42 (3550-3600)	20.72	43340	3575	64QAM	5MHz	12	6
Band42 (3550-3600)	20.69	43340	3575	64QAM	5MHz	12	13
Band42 (3550-3600)	20.00	43340	3575	64QAM	5MHz	25	0
Band42 (3550-3600)	21.39	43565	3597.5	64QAM	5MHz	1	0
Band42 (3550-3600)	21.38	43565	3597.5	64QAM	5MHz	1	12
Band42 (3550-3600)	21.26	43565	3597.5	64QAM	5MHz	1	24
Band42 (3550-3600)	20.68	43565	3597.5	64QAM	5MHz	12	0
Band42 (3550-3600)	20.75	43565	3597.5	64QAM	5MHz	12	6
Band42 (3550-3600)	20.65	43565	3597.5	64QAM	5MHz	12	11
Band42 (3550-3600)	20.07	43565	3597.5	64QAM	5MHz	25	0
Band42 (3550-3600)	22.82	43140	3555	QPSK	10MHz	1	0
Band42 (3550-3600)	22.78	43140	3555	QPSK	10MHz	1	24
Band42 (3550-3600)	22.74	43140	3555	QPSK	10MHz	1	49
Band42 (3550-3600)	22.70	43140	3555	QPSK	10MHz	25	0
Band42 (3550-3600)	22.66	43140	3555	QPSK	10MHz	25	12
Band42 (3550-3600)	22.58	43140	3555	QPSK	10MHz	25	25
Band42 (3550-3600)	21.91	43140	3555	QPSK	10MHz	50	0
Band42 (3550-3600)	22.81	43340	3575	QPSK	10MHz	1	0
Band42 (3550-3600)	22.77	43340	3575	QPSK	10MHz	1	24
Band42 (3550-3600)	22.48	43340	3575	QPSK	10MHz	1	49
Band42 (3550-3600)	22.52	43340	3575	QPSK	10MHz	25	0
Band42 (3550-3600)	22.51	43340	3575	QPSK	10MHz	25	12
Band42 (3550-3600)	22.48	43340	3575	QPSK	10MHz	25	25
Band42 (3550-3600)	21.76	43340	3575	QPSK	10MHz	50	0
Band42 (3550-3600)	22.79	43540	3595	QPSK	10MHz	1	0
Band42 (3550-3600)	22.76	43540	3595	QPSK	10MHz	1	24
Band42 (3550-3600)	22.62	43540	3595	QPSK	10MHz	1	49
Band42 (3550-3600)	22.61	43540	3595	QPSK	10MHz	25	0
Band42 (3550-3600)	22.63	43540	3595	QPSK	10MHz	25	12
Band42 (3550-3600)	22.59	43540	3595	QPSK	10MHz	25	25
Band42 (3550-3600)	21.88	43540	3595	QPSK	10MHz	50	0
Band42 (3550-3600)	22.16	43140	3555	16QAM	10MHz	1	0
Band42 (3550-3600)	22.12	43140	3555	16QAM	10MHz	1	24
Band42 (3550-3600)	22.00	43140	3555	16QAM	10MHz	1	49
Band42 (3550-3600)	21.76	43140	3555	16QAM	10MHz	25	0

Band42 (3550-3600)	21.72	43140	3555	16QAM	10MHz	25	12
Band42 (3550-3600)	21.70	43140	3555	16QAM	10MHz	25	25
Band42 (3550-3600)	20.86	43140	3555	16QAM	10MHz	50	0
Band42 (3550-3600)	22.15	43340	3575	16QAM	10MHz	1	0
Band42 (3550-3600)	22.07	43340	3575	16QAM	10MHz	1	24
Band42 (3550-3600)	21.98	43340	3575	16QAM	10MHz	1	49
Band42 (3550-3600)	21.68	43340	3575	16QAM	10MHz	25	0
Band42 (3550-3600)	21.72	43340	3575	16QAM	10MHz	25	12
Band42 (3550-3600)	21.60	43340	3575	16QAM	10MHz	25	25
Band42 (3550-3600)	20.80	43340	3575	16QAM	10MHz	50	0
Band42 (3550-3600)	22.14	43540	3595	16QAM	10MHz	1	0
Band42 (3550-3600)	22.03	43540	3595	16QAM	10MHz	1	24
Band42 (3550-3600)	21.98	43540	3595	16QAM	10MHz	1	49
Band42 (3550-3600)	21.78	43540	3595	16QAM	10MHz	25	0
Band42 (3550-3600)	21.72	43540	3595	16QAM	10MHz	25	12
Band42 (3550-3600)	21.68	43540	3595	16QAM	10MHz	25	25
Band42 (3550-3600)	20.86	43540	3595	16QAM	10MHz	50	0
Band42 (3550-3600)	21.47	43140	3555	64QAM	10MHz	1	0
Band42 (3550-3600)	21.36	43140	3555	64QAM	10MHz	1	24
Band42 (3550-3600)	21.28	43140	3555	64QAM	10MHz	1	49
Band42 (3550-3600)	20.73	43140	3555	64QAM	10MHz	25	0
Band42 (3550-3600)	20.71	43140	3555	64QAM	10MHz	25	12
Band42 (3550-3600)	20.70	43140	3555	64QAM	10MHz	25	25
Band42 (3550-3600)	20.06	43140	3555	64QAM	10MHz	50	0
Band42 (3550-3600)	21.34	43340	3575	64QAM	10MHz	1	0
Band42 (3550-3600)	21.42	43340	3575	64QAM	10MHz	1	24
Band42 (3550-3600)	21.26	43340	3575	64QAM	10MHz	1	49
Band42 (3550-3600)	20.68	43340	3575	64QAM	10MHz	25	0
Band42 (3550-3600)	20.71	43340	3575	64QAM	10MHz	25	12
Band42 (3550-3600)	20.66	43340	3575	64QAM	10MHz	25	25
Band42 (3550-3600)	20.00	43340	3575	64QAM	10MHz	50	0
Band42 (3550-3600)	21.38	43540	3595	64QAM	10MHz	1	0
Band42 (3550-3600)	21.32	43540	3595	64QAM	10MHz	1	24
Band42 (3550-3600)	21.30	43540	3595	64QAM	10MHz	1	49
Band42 (3550-3600)	20.70	43540	3595	64QAM	10MHz	25	0
Band42 (3550-3600)	20.70	43540	3595	64QAM	10MHz	25	12
Band42 (3550-3600)	20.65	43540	3595	64QAM	10MHz	25	25
Band42 (3550-3600)	20.07	43540	3595	64QAM	10MHz	50	0

Band42 (3550-3600)	22.81	43165	3557.5	QPSK	15MHz	1	0
Band42 (3550-3600)	22.68	43165	3557.5	QPSK	15MHz	1	37
Band42 (3550-3600)	22.66	43165	3557.5	QPSK	15MHz	1	74
Band42 (3550-3600)	22.57	43165	3557.5	QPSK	15MHz	36	0
Band42 (3550-3600)	22.51	43165	3557.5	QPSK	15MHz	36	19
Band42 (3550-3600)	22.51	43165	3557.5	QPSK	15MHz	36	39
Band42 (3550-3600)	21.99	43165	3557.5	QPSK	15MHz	75	0
Band42 (3550-3600)	22.78	43340	3575	QPSK	15MHz	1	0
Band42 (3550-3600)	22.57	43340	3575	QPSK	15MHz	1	37
Band42 (3550-3600)	22.47	43340	3575	QPSK	15MHz	1	74
Band42 (3550-3600)	22.45	43340	3575	QPSK	15MHz	36	0
Band42 (3550-3600)	22.42	43340	3575	QPSK	15MHz	36	19
Band42 (3550-3600)	22.24	43340	3575	QPSK	15MHz	36	39
Band42 (3550-3600)	21.76	43340	3575	QPSK	15MHz	75	0
Band42 (3550-3600)	22.76	43515	3592.5	QPSK	15MHz	1	0
Band42 (3550-3600)	22.68	43515	3592.5	QPSK	15MHz	1	37
Band42 (3550-3600)	22.57	43515	3592.5	QPSK	15MHz	1	74
Band42 (3550-3600)	22.51	43515	3592.5	QPSK	15MHz	36	0
Band42 (3550-3600)	22.45	43515	3592.5	QPSK	15MHz	36	19
Band42 (3550-3600)	22.36	43515	3592.5	QPSK	15MHz	36	39
Band42 (3550-3600)	21.90	43515	3592.5	QPSK	15MHz	75	0
Band42 (3550-3600)	22.17	43165	3557.5	16QAM	15MHz	1	0
Band42 (3550-3600)	22.00	43165	3557.5	16QAM	15MHz	1	37
Band42 (3550-3600)	21.99	43165	3557.5	16QAM	15MHz	1	74
Band42 (3550-3600)	21.85	43165	3557.5	16QAM	15MHz	36	0
Band42 (3550-3600)	21.75	43165	3557.5	16QAM	15MHz	36	19
Band42 (3550-3600)	21.72	43165	3557.5	16QAM	15MHz	36	39
Band42 (3550-3600)	20.88	43165	3557.5	16QAM	15MHz	75	0
Band42 (3550-3600)	22.10	43340	3575	16QAM	15MHz	1	0
Band42 (3550-3600)	22.07	43340	3575	16QAM	15MHz	1	37
Band42 (3550-3600)	21.99	43340	3575	16QAM	15MHz	1	74
Band42 (3550-3600)	21.85	43340	3575	16QAM	15MHz	36	0
Band42 (3550-3600)	21.75	43340	3575	16QAM	15MHz	36	19
Band42 (3550-3600)	21.65	43340	3575	16QAM	15MHz	36	39
Band42 (3550-3600)	20.86	43340	3575	16QAM	15MHz	75	0
Band42 (3550-3600)	22.13	43515	3592.5	16QAM	15MHz	1	0
Band42 (3550-3600)	21.98	43515	3592.5	16QAM	15MHz	1	37
Band42 (3550-3600)	21.92	43515	3592.5	16QAM	15MHz	1	74

Band42 (3550-3600)	21.85	43515	3592.5	16QAM	15MHz	36	0
Band42 (3550-3600)	21.78	43515	3592.5	16QAM	15MHz	36	19
Band42 (3550-3600)	21.74	43515	3592.5	16QAM	15MHz	36	39
Band42 (3550-3600)	20.95	43515	3592.5	16QAM	15MHz	75	0
Band42 (3550-3600)	21.43	43165	3557.5	64QAM	15MHz	1	0
Band42 (3550-3600)	21.38	43165	3557.5	64QAM	15MHz	1	37
Band42 (3550-3600)	21.32	43165	3557.5	64QAM	15MHz	1	74
Band42 (3550-3600)	20.76	43165	3557.5	64QAM	15MHz	36	0
Band42 (3550-3600)	20.74	43165	3557.5	64QAM	15MHz	36	19
Band42 (3550-3600)	20.70	43165	3557.5	64QAM	15MHz	36	39
Band42 (3550-3600)	20.07	43165	3557.5	64QAM	15MHz	75	0
Band42 (3550-3600)	21.39	43340	3575	64QAM	15MHz	1	0
Band42 (3550-3600)	21.36	43340	3575	64QAM	15MHz	1	37
Band42 (3550-3600)	21.30	43340	3575	64QAM	15MHz	1	74
Band42 (3550-3600)	20.68	43340	3575	64QAM	15MHz	36	0
Band42 (3550-3600)	20.71	43340	3575	64QAM	15MHz	36	19
Band42 (3550-3600)	20.70	43340	3575	64QAM	15MHz	36	39
Band42 (3550-3600)	20.05	43340	3575	64QAM	15MHz	75	0
Band42 (3550-3600)	21.36	43515	3592.5	64QAM	15MHz	1	0
Band42 (3550-3600)	21.38	43515	3592.5	64QAM	15MHz	1	37
Band42 (3550-3600)	21.26	43515	3592.5	64QAM	15MHz	1	74
Band42 (3550-3600)	20.67	43515	3592.5	64QAM	15MHz	36	0
Band42 (3550-3600)	20.77	43515	3592.5	64QAM	15MHz	36	19
Band42 (3550-3600)	20.67	43515	3592.5	64QAM	15MHz	36	39
Band42 (3550-3600)	20.09	43515	3592.5	64QAM	15MHz	75	0
Band42 (3550-3600)	22.86	43190	3560	QPSK	20MHz	1	0
Band42 (3550-3600)	22.78	43190	3560	QPSK	20MHz	1	49
Band42 (3550-3600)	22.68	43190	3560	QPSK	20MHz	1	99
Band42 (3550-3600)	22.49	43190	3560	QPSK	20MHz	50	0
Band42 (3550-3600)	22.44	43190	3560	QPSK	20MHz	50	25
Band42 (3550-3600)	22.49	43190	3560	QPSK	20MHz	50	50
Band42 (3550-3600)	21.92	43190	3560	QPSK	20MHz	100	0
Band42 (3550-3600)	22.82	43340	3575	QPSK	20MHz	1	0
Band42 (3550-3600)	22.69	43340	3575	QPSK	20MHz	1	49
Band42 (3550-3600)	22.58	43340	3575	QPSK	20MHz	1	99
Band42 (3550-3600)	22.51	43340	3575	QPSK	20MHz	50	0
Band42 (3550-3600)	22.50	43340	3575	QPSK	20MHz	50	25
Band42 (3550-3600)	22.34	43340	3575	QPSK	20MHz	50	50

Band42 (3550-3600)	21.88	43340	3575	QPSK	20MHz	100	0
Band42 (3550-3600)	22.81	43490	3590	QPSK	20MHz	1	0
Band42 (3550-3600)	22.76	43490	3590	QPSK	20MHz	1	49
Band42 (3550-3600)	22.69	43490	3590	QPSK	20MHz	1	99
Band42 (3550-3600)	22.60	43490	3590	QPSK	20MHz	50	0
Band42 (3550-3600)	22.52	43490	3590	QPSK	20MHz	50	25
Band42 (3550-3600)	22.41	43490	3590	QPSK	20MHz	50	50
Band42 (3550-3600)	21.94	43490	3590	QPSK	20MHz	100	0
Band42 (3550-3600)	22.15	43190	3560	16QAM	20MHz	1	0
Band42 (3550-3600)	21.96	43190	3560	16QAM	20MHz	1	49
Band42 (3550-3600)	21.95	43190	3560	16QAM	20MHz	1	99
Band42 (3550-3600)	21.76	43190	3560	16QAM	20MHz	50	0
Band42 (3550-3600)	21.84	43190	3560	16QAM	20MHz	50	25
Band42 (3550-3600)	21.76	43190	3560	16QAM	20MHz	50	50
Band42 (3550-3600)	20.94	43190	3560	16QAM	20MHz	100	0
Band42 (3550-3600)	22.10	43340	3575	16QAM	20MHz	1	0
Band42 (3550-3600)	21.99	43340	3575	16QAM	20MHz	1	49
Band42 (3550-3600)	21.96	43340	3575	16QAM	20MHz	1	99
Band42 (3550-3600)	21.82	43340	3575	16QAM	20MHz	50	0
Band42 (3550-3600)	21.71	43340	3575	16QAM	20MHz	50	25
Band42 (3550-3600)	21.68	43340	3575	16QAM	20MHz	50	50
Band42 (3550-3600)	20.92	43340	3575	16QAM	20MHz	100	0
Band42 (3550-3600)	22.14	43490	3590	16QAM	20MHz	1	0
Band42 (3550-3600)	21.95	43490	3590	16QAM	20MHz	1	49
Band42 (3550-3600)	21.79	43490	3590	16QAM	20MHz	1	99
Band42 (3550-3600)	21.90	43490	3590	16QAM	20MHz	50	0
Band42 (3550-3600)	21.78	43490	3590	16QAM	20MHz	50	25
Band42 (3550-3600)	21.68	43490	3590	16QAM	20MHz	50	50
Band42 (3550-3600)	20.95	43490	3590	16QAM	20MHz	100	0
Band42 (3550-3600)	21.51	43190	3560	64QAM	20MHz	1	0
Band42 (3550-3600)	21.27	43190	3560	64QAM	20MHz	1	49
Band42 (3550-3600)	21.38	43190	3560	64QAM	20MHz	1	99
Band42 (3550-3600)	20.64	43190	3560	64QAM	20MHz	50	0
Band42 (3550-3600)	20.66	43190	3560	64QAM	20MHz	50	25
Band42 (3550-3600)	20.60	43190	3560	64QAM	20MHz	50	50
Band42 (3550-3600)	20.17	43190	3560	64QAM	20MHz	100	0
Band42 (3550-3600)	21.44	43340	3575	64QAM	20MHz	1	0
Band42 (3550-3600)	21.34	43340	3575	64QAM	20MHz	1	49

Band42 (3550-3600)	21.26	43340	3575	64QAM	20MHz	1	99
Band42 (3550-3600)	20.61	43340	3575	64QAM	20MHz	50	0
Band42 (3550-3600)	20.78	43340	3575	64QAM	20MHz	50	25
Band42 (3550-3600)	20.69	43340	3575	64QAM	20MHz	50	50
Band42 (3550-3600)	20.07	43340	3575	64QAM	20MHz	100	0
Band42 (3550-3600)	21.37	43490	3590	64QAM	20MHz	1	0
Band42 (3550-3600)	21.33	43490	3590	64QAM	20MHz	1	49
Band42 (3550-3600)	21.24	43490	3590	64QAM	20MHz	1	99
Band42 (3550-3600)	20.68	43490	3590	64QAM	20MHz	50	0
Band42 (3550-3600)	20.76	43490	3590	64QAM	20MHz	50	25
Band42 (3550-3600)	20.72	43490	3590	64QAM	20MHz	50	50
Band42 (3550-3600)	20.06	43490	3590	64QAM	20MHz	100	0
Band43	22.85	43615	3602.5	QPSK	5MHz	1	0
Band43	22.83	43615	3602.5	QPSK	5MHz	1	12
Band43	22.82	43615	3602.5	QPSK	5MHz	1	24
Band43	22.68	43615	3602.5	QPSK	5MHz	12	0
Band43	22.65	43615	3602.5	QPSK	5MHz	12	6
Band43	22.64	43615	3602.5	QPSK	5MHz	12	13
Band43	21.73	43615	3602.5	QPSK	5MHz	25	0
Band43	22.87	44090	3650	QPSK	5MHz	1	0
Band43	22.78	44090	3650	QPSK	5MHz	1	12
Band43	22.76	44090	3650	QPSK	5MHz	1	24
Band43	22.73	44090	3650	QPSK	5MHz	12	0
Band43	22.64	44090	3650	QPSK	5MHz	12	6
Band43	22.61	44090	3650	QPSK	5MHz	12	13
Band43	21.67	44090	3650	QPSK	5MHz	25	0
Band43	22.79	44565	3697.5	QPSK	5MHz	1	0
Band43	22.79	44565	3697.5	QPSK	5MHz	1	12
Band43	22.75	44565	3697.5	QPSK	5MHz	1	24
Band43	22.73	44565	3697.5	QPSK	5MHz	12	0
Band43	22.73	44565	3697.5	QPSK	5MHz	12	6
Band43	22.77	44565	3697.5	QPSK	5MHz	12	13
Band43	21.68	44565	3697.5	QPSK	5MHz	25	0
Band43	22.12	43615	3602.5	16QAM	5MHz	1	0
Band43	22.09	43615	3602.5	16QAM	5MHz	1	12
Band43	22.03	43615	3602.5	16QAM	5MHz	1	24
Band43	21.60	43615	3602.5	16QAM	5MHz	12	0
Band43	21.59	43615	3602.5	16QAM	5MHz	12	6

Band43	21.57	43615	3602.5	16QAM	5MHz	12	13
Band43	20.85	43615	3602.5	16QAM	5MHz	25	0
Band43	22.15	44090	3650	16QAM	5MHz	1	0
Band43	22.11	44090	3650	16QAM	5MHz	1	12
Band43	22.11	44090	3650	16QAM	5MHz	1	24
Band43	21.62	44090	3650	16QAM	5MHz	12	0
Band43	21.53	44090	3650	16QAM	5MHz	12	6
Band43	21.53	44090	3650	16QAM	5MHz	12	13
Band43	20.79	44090	3650	16QAM	5MHz	25	0
Band43	22.12	44565	3697.5	16QAM	5MHz	1	0
Band43	22.06	44565	3697.5	16QAM	5MHz	1	12
Band43	22.01	44565	3697.5	16QAM	5MHz	1	24
Band43	21.56	44565	3697.5	16QAM	5MHz	12	0
Band43	21.52	44565	3697.5	16QAM	5MHz	12	6
Band43	21.47	44565	3697.5	16QAM	5MHz	12	11
Band43	20.86	44565	3697.5	16QAM	5MHz	25	0
Band43	21.38	43615	3602.5	64QAM	5MHz	1	0
Band43	21.37	43615	3602.5	64QAM	5MHz	1	12
Band43	21.28	43615	3602.5	64QAM	5MHz	1	24
Band43	20.86	43615	3602.5	64QAM	5MHz	12	0
Band43	20.78	43615	3602.5	64QAM	5MHz	12	6
Band43	20.84	43615	3602.5	64QAM	5MHz	12	13
Band43	20.13	43615	3602.5	64QAM	5MHz	25	0
Band43	21.39	44090	3650	64QAM	5MHz	1	0
Band43	21.31	44090	3650	64QAM	5MHz	1	12
Band43	21.27	44090	3650	64QAM	5MHz	1	24
Band43	20.78	44090	3650	64QAM	5MHz	12	0
Band43	20.79	44090	3650	64QAM	5MHz	12	6
Band43	20.78	44090	3650	64QAM	5MHz	12	13
Band43	20.05	44090	3650	64QAM	5MHz	25	0
Band43	21.35	44565	3697.5	64QAM	5MHz	1	0
Band43	21.19	44565	3697.5	64QAM	5MHz	1	12
Band43	21.33	44565	3697.5	64QAM	5MHz	1	24
Band43	20.77	44565	3697.5	64QAM	5MHz	12	0
Band43	20.79	44565	3697.5	64QAM	5MHz	12	6
Band43	20.81	44565	3697.5	64QAM	5MHz	12	11
Band43	20.09	44565	3697.5	64QAM	5MHz	25	0
Band43	22.82	43640	3605	QPSK	10MHz	1	0

Band43	22.72	43640	3605	QPSK	10MHz	1	24
Band43	22.68	43640	3605	QPSK	10MHz	1	49
Band43	22.77	43640	3605	QPSK	10MHz	25	0
Band43	22.74	43640	3605	QPSK	10MHz	25	12
Band43	22.72	43640	3605	QPSK	10MHz	25	25
Band43	21.78	43640	3605	QPSK	10MHz	50	0
Band43	22.83	44090	3650	QPSK	10MHz	1	0
Band43	22.73	44090	3650	QPSK	10MHz	1	24
Band43	22.73	44090	3650	QPSK	10MHz	1	49
Band43	22.80	44090	3650	QPSK	10MHz	25	0
Band43	22.73	44090	3650	QPSK	10MHz	25	12
Band43	22.67	44090	3650	QPSK	10MHz	25	25
Band43	21.69	44090	3650	QPSK	10MHz	50	0
Band43	22.85	44540	3695	QPSK	10MHz	1	0
Band43	22.75	44540	3695	QPSK	10MHz	1	24
Band43	22.67	44540	3695	QPSK	10MHz	1	49
Band43	22.61	44540	3695	QPSK	10MHz	25	0
Band43	22.57	44540	3695	QPSK	10MHz	25	12
Band43	22.61	44540	3695	QPSK	10MHz	25	25
Band43	21.77	44540	3695	QPSK	10MHz	50	0
Band43	22.10	43640	3605	16QAM	10MHz	1	0
Band43	22.02	43640	3605	16QAM	10MHz	1	24
Band43	21.99	43640	3605	16QAM	10MHz	1	49
Band43	21.56	43640	3605	16QAM	10MHz	25	0
Band43	21.53	43640	3605	16QAM	10MHz	25	12
Band43	21.47	43640	3605	16QAM	10MHz	25	25
Band43	20.88	43640	3605	16QAM	10MHz	50	0
Band43	22.14	44090	3650	16QAM	10MHz	1	0
Band43	22.05	44090	3650	16QAM	10MHz	1	24
Band43	22.03	44090	3650	16QAM	10MHz	1	49
Band43	21.58	44090	3650	16QAM	10MHz	25	0
Band43	21.56	44090	3650	16QAM	10MHz	25	12
Band43	21.53	44090	3650	16QAM	10MHz	25	25
Band43	20.77	44090	3650	16QAM	10MHz	50	0
Band43	22.07	44540	3695	16QAM	10MHz	1	0
Band43	21.98	44540	3695	16QAM	10MHz	1	24
Band43	21.92	44540	3695	16QAM	10MHz	1	49
Band43	21.68	44540	3695	16QAM	10MHz	25	0

Band43	21.52	44540	3695	16QAM	10MHz	25	12
Band43	21.48	44540	3695	16QAM	10MHz	25	25
Band43	20.79	44540	3695	16QAM	10MHz	50	0
Band43	21.37	43640	3605	64QAM	10MHz	1	0
Band43	21.34	43640	3605	64QAM	10MHz	1	24
Band43	21.28	43640	3605	64QAM	10MHz	1	49
Band43	20.81	43640	3605	64QAM	10MHz	25	0
Band43	20.78	43640	3605	64QAM	10MHz	25	12
Band43	20.77	43640	3605	64QAM	10MHz	25	25
Band43	20.06	43640	3605	64QAM	10MHz	50	0
Band43	21.41	44090	3650	64QAM	10MHz	1	0
Band43	21.25	44090	3650	64QAM	10MHz	1	24
Band43	21.35	44090	3650	64QAM	10MHz	1	49
Band43	20.84	44090	3650	64QAM	10MHz	25	0
Band43	20.78	44090	3650	64QAM	10MHz	25	12
Band43	20.77	44090	3650	64QAM	10MHz	25	25
Band43	20.08	44090	3650	64QAM	10MHz	50	0
Band43	21.38	44540	3695	64QAM	10MHz	1	0
Band43	21.27	44540	3695	64QAM	10MHz	1	24
Band43	21.30	44540	3695	64QAM	10MHz	1	49
Band43	20.67	44540	3695	64QAM	10MHz	25	0
Band43	20.71	44540	3695	64QAM	10MHz	25	12
Band43	20.69	44540	3695	64QAM	10MHz	25	25
Band43	20.04	44540	3695	64QAM	10MHz	50	0
Band43	22.85	43665	3607.5	QPSK	15MHz	1	0
Band43	22.79	43665	3607.5	QPSK	15MHz	1	37
Band43	22.73	43665	3607.5	QPSK	15MHz	1	74
Band43	22.75	43665	3607.5	QPSK	15MHz	36	0
Band43	22.68	43665	3607.5	QPSK	15MHz	36	19
Band43	22.66	43665	3607.5	QPSK	15MHz	36	39
Band43	21.86	43665	3607.5	QPSK	15MHz	75	0
Band43	22.86	44090	3650	QPSK	15MHz	1	0
Band43	22.81	44090	3650	QPSK	15MHz	1	37
Band43	22.63	44090	3650	QPSK	15MHz	1	74
Band43	22.70	44090	3650	QPSK	15MHz	36	0
Band43	22.65	44090	3650	QPSK	15MHz	36	19
Band43	22.59	44090	3650	QPSK	15MHz	36	39
Band43	21.80	44090	3650	QPSK	15MHz	75	0

Band43	22.82	44515	3692.5	QPSK	15MHz	1	0
Band43	22.74	44515	3692.5	QPSK	15MHz	1	37
Band43	22.70	44515	3692.5	QPSK	15MHz	1	74
Band43	22.68	44515	3692.5	QPSK	15MHz	36	0
Band43	22.66	44515	3692.5	QPSK	15MHz	36	19
Band43	22.59	44515	3692.5	QPSK	15MHz	36	39
Band43	21.79	44515	3692.5	QPSK	15MHz	75	0
Band43	22.13	43665	3607.5	16QAM	15MHz	1	0
Band43	22.10	43665	3607.5	16QAM	15MHz	1	37
Band43	21.99	43665	3607.5	16QAM	15MHz	1	74
Band43	21.61	43665	3607.5	16QAM	15MHz	36	0
Band43	21.55	43665	3607.5	16QAM	15MHz	36	19
Band43	21.52	43665	3607.5	16QAM	15MHz	36	39
Band43	20.86	43665	3607.5	16QAM	15MHz	75	0
Band43	22.05	44090	3650	16QAM	15MHz	1	0
Band43	22.11	44090	3650	16QAM	15MHz	1	37
Band43	22.04	44090	3650	16QAM	15MHz	1	74
Band43	21.63	44090	3650	16QAM	15MHz	36	0
Band43	21.65	44090	3650	16QAM	15MHz	36	19
Band43	21.52	44090	3650	16QAM	15MHz	36	39
Band43	20.82	44090	3650	16QAM	15MHz	75	0
Band43	22.04	44515	3692.5	16QAM	15MHz	1	0
Band43	22.07	44515	3692.5	16QAM	15MHz	1	37
Band43	21.93	44515	3692.5	16QAM	15MHz	1	74
Band43	21.67	44515	3692.5	16QAM	15MHz	36	0
Band43	21.56	44515	3692.5	16QAM	15MHz	36	19
Band43	21.36	44515	3692.5	16QAM	15MHz	36	39
Band43	20.76	44515	3692.5	16QAM	15MHz	75	0
Band43	21.38	43665	3607.5	64QAM	15MHz	1	0
Band43	21.32	43665	3607.5	64QAM	15MHz	1	37
Band43	21.25	43665	3607.5	64QAM	15MHz	1	74
Band43	20.86	43665	3607.5	64QAM	15MHz	36	0
Band43	20.87	43665	3607.5	64QAM	15MHz	36	19
Band43	20.85	43665	3607.5	64QAM	15MHz	36	39
Band43	20.06	43665	3607.5	64QAM	15MHz	75	0
Band43	21.36	44090	3650	64QAM	15MHz	1	0
Band43	21.33	44090	3650	64QAM	15MHz	1	37
Band43	21.37	44090	3650	64QAM	15MHz	1	74

Band43	20.80	44090	3650	64QAM	15MHz	36	0
Band43	20.72	44090	3650	64QAM	15MHz	36	19
Band43	20.74	44090	3650	64QAM	15MHz	36	39
Band43	20.08	44090	3650	64QAM	15MHz	75	0
Band43	21.36	44515	3692.5	64QAM	15MHz	1	0
Band43	21.22	44515	3692.5	64QAM	15MHz	1	37
Band43	21.26	44515	3692.5	64QAM	15MHz	1	74
Band43	20.68	44515	3692.5	64QAM	15MHz	36	0
Band43	20.67	44515	3692.5	64QAM	15MHz	36	19
Band43	20.67	44515	3692.5	64QAM	15MHz	36	39
Band43	20.08	44515	3692.5	64QAM	15MHz	75	0
Band43	22.89	43690	3610	QPSK	20MHz	1	0
Band43	22.83	43690	3610	QPSK	20MHz	1	49
Band43	22.72	43690	3610	QPSK	20MHz	1	99
Band43	22.83	43690	3610	QPSK	20MHz	50	0
Band43	22.79	43690	3610	QPSK	20MHz	50	25
Band43	22.74	43690	3610	QPSK	20MHz	50	50
Band43	21.87	43690	3610	QPSK	20MHz	100	0
Band43	22.85	44090	3650	QPSK	20MHz	1	0
Band43	22.76	44090	3650	QPSK	20MHz	1	49
Band43	22.74	44090	3650	QPSK	20MHz	1	99
Band43	22.81	44090	3650	QPSK	20MHz	50	0
Band43	22.69	44090	3650	QPSK	20MHz	50	25
Band43	22.72	44090	3650	QPSK	20MHz	50	50
Band43	21.90	44090	3650	QPSK	20MHz	100	0
Band43	22.84	44490	3690	QPSK	20MHz	1	0
Band43	22.78	44490	3690	QPSK	20MHz	1	49
Band43	22.68	44490	3690	QPSK	20MHz	1	99
Band43	22.76	44490	3690	QPSK	20MHz	50	0
Band43	22.69	44490	3690	QPSK	20MHz	50	25
Band43	22.60	44490	3690	QPSK	20MHz	50	50
Band43	21.58	44490	3690	QPSK	20MHz	100	0
Band43	22.23	43690	3610	16QAM	20MHz	1	0
Band43	22.17	43690	3610	16QAM	20MHz	1	49
Band43	22.12	43690	3610	16QAM	20MHz	1	99
Band43	21.69	43690	3610	16QAM	20MHz	50	0
Band43	21.65	43690	3610	16QAM	20MHz	50	25
Band43	21.60	43690	3610	16QAM	20MHz	50	50

Band43	20.91	43690	3610	16QAM	20MHz	100	0
Band43	22.23	44090	3650	16QAM	20MHz	1	0
Band43	22.08	44090	3650	16QAM	20MHz	1	49
Band43	21.99	44090	3650	16QAM	20MHz	1	99
Band43	21.60	44090	3650	16QAM	20MHz	50	0
Band43	21.57	44090	3650	16QAM	20MHz	50	25
Band43	21.56	44090	3650	16QAM	20MHz	50	50
Band43	20.96	44090	3650	16QAM	20MHz	100	0
Band43	22.15	44490	3690	16QAM	20MHz	1	0
Band43	22.04	44490	3690	16QAM	20MHz	1	49
Band43	22.05	44490	3690	16QAM	20MHz	1	99
Band43	21.63	44490	3690	16QAM	20MHz	50	0
Band43	21.53	44490	3690	16QAM	20MHz	50	25
Band43	21.52	44490	3690	16QAM	20MHz	50	50
Band43	20.91	44490	3690	16QAM	20MHz	100	0
Band43	21.38	43690	3610	64QAM	20MHz	1	0
Band43	21.32	43690	3610	64QAM	20MHz	1	49
Band43	21.30	43690	3610	64QAM	20MHz	1	99
Band43	20.84	43690	3610	64QAM	20MHz	50	0
Band43	20.78	43690	3610	64QAM	20MHz	50	25
Band43	20.78	43690	3610	64QAM	20MHz	50	50
Band43	20.07	43690	3610	64QAM	20MHz	100	0
Band43	21.34	44090	3650	64QAM	20MHz	1	0
Band43	21.24	44090	3650	64QAM	20MHz	1	49
Band43	21.27	44090	3650	64QAM	20MHz	1	99
Band43	20.84	44090	3650	64QAM	20MHz	50	0
Band43	20.74	44090	3650	64QAM	20MHz	50	25
Band43	20.81	44090	3650	64QAM	20MHz	50	50
Band43	20.11	44090	3650	64QAM	20MHz	100	0
Band43	21.27	44490	3690	64QAM	20MHz	1	0
Band43	21.29	44490	3690	64QAM	20MHz	1	49
Band43	21.31	44490	3690	64QAM	20MHz	1	99
Band43	20.67	44490	3690	64QAM	20MHz	50	0
Band43	20.69	44490	3690	64QAM	20MHz	50	25
Band43	20.74	44490	3690	64QAM	20MHz	50	50
Band43	20.05	44490	3690	64QAM	20MHz	100	0
Band48	22.90	55265	3552.5	QPSK	5MHz	1	0
Band48	22.87	55265	3552.5	QPSK	5MHz	1	12

Band48	22.84	55265	3552.5	QPSK	5MHz	1	24
Band48	22.80	55265	3552.5	QPSK	5MHz	12	0
Band48	22.70	55265	3552.5	QPSK	5MHz	12	6
Band48	22.69	55265	3552.5	QPSK	5MHz	12	13
Band48	21.96	55265	3552.5	QPSK	5MHz	25	0
Band48	22.85	55990	3625	QPSK	5MHz	1	0
Band48	22.76	55990	3625	QPSK	5MHz	1	12
Band48	22.65	55990	3625	QPSK	5MHz	1	24
Band48	22.76	55990	3625	QPSK	5MHz	12	0
Band48	22.71	55990	3625	QPSK	5MHz	12	6
Band48	22.64	55990	3625	QPSK	5MHz	12	13
Band48	21.81	55990	3625	QPSK	5MHz	25	0
Band48	22.87	56715	3697.5	QPSK	5MHz	1	0
Band48	22.79	56715	3697.5	QPSK	5MHz	1	12
Band48	22.64	56715	3697.5	QPSK	5MHz	1	24
Band48	22.77	56715	3697.5	QPSK	5MHz	12	0
Band48	22.75	56715	3697.5	QPSK	5MHz	12	6
Band48	22.71	56715	3697.5	QPSK	5MHz	12	13
Band48	21.92	56715	3697.5	QPSK	5MHz	25	0
Band48	22.21	55265	3552.5	16QAM	5MHz	1	0
Band48	22.18	55265	3552.5	16QAM	5MHz	1	12
Band48	22.09	55265	3552.5	16QAM	5MHz	1	24
Band48	21.87	55265	3552.5	16QAM	5MHz	12	0
Band48	21.80	55265	3552.5	16QAM	5MHz	12	6
Band48	21.71	55265	3552.5	16QAM	5MHz	12	13
Band48	21.10	55265	3552.5	16QAM	5MHz	25	0
Band48	22.27	55990	3625	16QAM	5MHz	1	0
Band48	22.16	55990	3625	16QAM	5MHz	1	12
Band48	22.07	55990	3625	16QAM	5MHz	1	24
Band48	21.87	55990	3625	16QAM	5MHz	12	0
Band48	21.78	55990	3625	16QAM	5MHz	12	6
Band48	21.72	55990	3625	16QAM	5MHz	12	13
Band48	21.02	55990	3625	16QAM	5MHz	25	0
Band48	22.24	56715	3697.5	16QAM	5MHz	1	0
Band48	22.16	56715	3697.5	16QAM	5MHz	1	12
Band48	22.13	56715	3697.5	16QAM	5MHz	1	24
Band48	21.90	56715	3697.5	16QAM	5MHz	12	0
Band48	21.80	56715	3697.5	16QAM	5MHz	12	6

Band48	21.66	56715	3697.5	16QAM	5MHz	12	11
Band48	20.96	56715	3697.5	16QAM	5MHz	25	0
Band48	21.41	55265	3552.5	64QAM	5MHz	1	0
Band48	21.40	55265	3552.5	64QAM	5MHz	1	12
Band48	21.32	55265	3552.5	64QAM	5MHz	1	24
Band48	20.82	55265	3552.5	64QAM	5MHz	12	0
Band48	20.77	55265	3552.5	64QAM	5MHz	12	6
Band48	20.67	55265	3552.5	64QAM	5MHz	12	13
Band48	20.35	55265	3552.5	64QAM	5MHz	25	0
Band48	21.51	55990	3625	64QAM	5MHz	1	0
Band48	21.41	55990	3625	64QAM	5MHz	1	12
Band48	21.30	55990	3625	64QAM	5MHz	1	24
Band48	20.83	55990	3625	64QAM	5MHz	12	0
Band48	20.74	55990	3625	64QAM	5MHz	12	6
Band48	20.66	55990	3625	64QAM	5MHz	12	13
Band48	20.30	55990	3625	64QAM	5MHz	25	0
Band48	21.45	56715	3697.5	64QAM	5MHz	1	0
Band48	21.40	56715	3697.5	64QAM	5MHz	1	12
Band48	21.32	56715	3697.5	64QAM	5MHz	1	24
Band48	20.81	56715	3697.5	64QAM	5MHz	12	0
Band48	20.73	56715	3697.5	64QAM	5MHz	12	6
Band48	20.58	56715	3697.5	64QAM	5MHz	12	11
Band48	20.20	56715	3697.5	64QAM	5MHz	25	0
Band48	22.85	55290	3555	QPSK	10MHz	1	0
Band48	22.78	55290	3555	QPSK	10MHz	1	24
Band48	22.74	55290	3555	QPSK	10MHz	1	49
Band48	22.67	55290	3555	QPSK	10MHz	25	0
Band48	22.63	55290	3555	QPSK	10MHz	25	12
Band48	22.56	55290	3555	QPSK	10MHz	25	25
Band48	21.95	55290	3555	QPSK	10MHz	50	0
Band48	22.84	55990	3625	QPSK	10MHz	1	0
Band48	22.76	55990	3625	QPSK	10MHz	1	24
Band48	22.71	55990	3625	QPSK	10MHz	1	49
Band48	22.66	55990	3625	QPSK	10MHz	25	0
Band48	22.58	55990	3625	QPSK	10MHz	25	12
Band48	22.53	55990	3625	QPSK	10MHz	25	25
Band48	21.71	55990	3625	QPSK	10MHz	50	0
Band48	22.82	56690	3695	QPSK	10MHz	1	0

Band48	22.73	56690	3695	QPSK	10MHz	1	24
Band48	22.66	56690	3695	QPSK	10MHz	1	49
Band48	22.60	56690	3695	QPSK	10MHz	25	0
Band48	22.52	56690	3695	QPSK	10MHz	25	12
Band48	22.46	56690	3695	QPSK	10MHz	25	25
Band48	21.85	56690	3695	QPSK	10MHz	50	0
Band48	22.26	55290	3555	16QAM	10MHz	1	0
Band48	22.24	55290	3555	16QAM	10MHz	1	24
Band48	22.13	55290	3555	16QAM	10MHz	1	49
Band48	21.83	55290	3555	16QAM	10MHz	25	0
Band48	21.84	55290	3555	16QAM	10MHz	25	12
Band48	21.79	55290	3555	16QAM	10MHz	25	25
Band48	21.27	55290	3555	16QAM	10MHz	50	0
Band48	22.24	55990	3625	16QAM	10MHz	1	0
Band48	22.22	55990	3625	16QAM	10MHz	1	24
Band48	22.03	55990	3625	16QAM	10MHz	1	49
Band48	21.75	55990	3625	16QAM	10MHz	25	0
Band48	21.63	55990	3625	16QAM	10MHz	25	12
Band48	21.56	55990	3625	16QAM	10MHz	25	25
Band48	21.03	55990	3625	16QAM	10MHz	50	0
Band48	22.23	56690	3695	16QAM	10MHz	1	0
Band48	22.18	56690	3695	16QAM	10MHz	1	24
Band48	22.13	56690	3695	16QAM	10MHz	1	49
Band48	21.83	56690	3695	16QAM	10MHz	25	0
Band48	21.73	56690	3695	16QAM	10MHz	25	12
Band48	21.69	56690	3695	16QAM	10MHz	25	25
Band48	21.26	56690	3695	16QAM	10MHz	50	0
Band48	21.41	55290	3555	64QAM	10MHz	1	0
Band48	21.39	55290	3555	64QAM	10MHz	1	24
Band48	21.32	55290	3555	64QAM	10MHz	1	49
Band48	20.76	55290	3555	64QAM	10MHz	25	0
Band48	20.76	55290	3555	64QAM	10MHz	25	12
Band48	20.62	55290	3555	64QAM	10MHz	25	25
Band48	20.29	55290	3555	64QAM	10MHz	50	0
Band48	21.54	55990	3625	64QAM	10MHz	1	0
Band48	21.44	55990	3625	64QAM	10MHz	1	24
Band48	21.26	55990	3625	64QAM	10MHz	1	49
Band48	20.80	55990	3625	64QAM	10MHz	25	0

Band48	20.69	55990	3625	64QAM	10MHz	25	12
Band48	20.68	55990	3625	64QAM	10MHz	25	25
Band48	20.21	55990	3625	64QAM	10MHz	50	0
Band48	21.49	56690	3695	64QAM	10MHz	1	0
Band48	21.42	56690	3695	64QAM	10MHz	1	24
Band48	21.33	56690	3695	64QAM	10MHz	1	49
Band48	20.84	56690	3695	64QAM	10MHz	25	0
Band48	20.71	56690	3695	64QAM	10MHz	25	12
Band48	20.63	56690	3695	64QAM	10MHz	25	25
Band48	20.17	56690	3695	64QAM	10MHz	50	0
Band48	22.86	55315	3557.5	QPSK	15MHz	1	0
Band48	22.80	55315	3557.5	QPSK	15MHz	1	37
Band48	22.74	55315	3557.5	QPSK	15MHz	1	74
Band48	22.62	55315	3557.5	QPSK	15MHz	36	0
Band48	22.59	55315	3557.5	QPSK	15MHz	36	19
Band48	22.53	55315	3557.5	QPSK	15MHz	36	39
Band48	21.98	55315	3557.5	QPSK	15MHz	75	0
Band48	22.80	55990	3625	QPSK	15MHz	1	0
Band48	22.71	55990	3625	QPSK	15MHz	1	37
Band48	22.66	55990	3625	QPSK	15MHz	1	74
Band48	22.59	55990	3625	QPSK	15MHz	36	0
Band48	22.52	55990	3625	QPSK	15MHz	36	19
Band48	22.47	55990	3625	QPSK	15MHz	36	39
Band48	21.77	55990	3625	QPSK	15MHz	75	0
Band48	22.81	56665	3692.5	QPSK	15MHz	1	0
Band48	22.74	56665	3692.5	QPSK	15MHz	1	37
Band48	22.66	56665	3692.5	QPSK	15MHz	1	74
Band48	22.62	56665	3692.5	QPSK	15MHz	36	0
Band48	22.54	56665	3692.5	QPSK	15MHz	36	19
Band48	22.46	56665	3692.5	QPSK	15MHz	36	39
Band48	21.81	56665	3692.5	QPSK	15MHz	75	0
Band48	22.24	55315	3557.5	16QAM	15MHz	1	0
Band48	22.22	55315	3557.5	16QAM	15MHz	1	37
Band48	22.19	55315	3557.5	16QAM	15MHz	1	74
Band48	21.94	55315	3557.5	16QAM	15MHz	36	0
Band48	21.93	55315	3557.5	16QAM	15MHz	36	19
Band48	21.90	55315	3557.5	16QAM	15MHz	36	39
Band48	21.24	55315	3557.5	16QAM	15MHz	75	0

Band48	22.25	55990	3625	16QAM	15MHz	1	0
Band48	22.18	55990	3625	16QAM	15MHz	1	37
Band48	22.17	55990	3625	16QAM	15MHz	1	74
Band48	21.94	55990	3625	16QAM	15MHz	36	0
Band48	21.90	55990	3625	16QAM	15MHz	36	19
Band48	21.85	55990	3625	16QAM	15MHz	36	39
Band48	21.06	55990	3625	16QAM	15MHz	75	0
Band48	22.24	56665	3692.5	16QAM	15MHz	1	0
Band48	22.20	56665	3692.5	16QAM	15MHz	1	37
Band48	22.13	56665	3692.5	16QAM	15MHz	1	74
Band48	21.90	56665	3692.5	16QAM	15MHz	36	0
Band48	21.84	56665	3692.5	16QAM	15MHz	36	19
Band48	21.78	56665	3692.5	16QAM	15MHz	36	39
Band48	21.13	56665	3692.5	16QAM	15MHz	75	0
Band48	21.41	55315	3557.5	64QAM	15MHz	1	0
Band48	21.37	55315	3557.5	64QAM	15MHz	1	37
Band48	21.32	55315	3557.5	64QAM	15MHz	1	74
Band48	20.81	55315	3557.5	64QAM	15MHz	36	0
Band48	20.72	55315	3557.5	64QAM	15MHz	36	19
Band48	20.62	55315	3557.5	64QAM	15MHz	36	39
Band48	20.35	55315	3557.5	64QAM	15MHz	75	0
Band48	21.49	55990	3625	64QAM	15MHz	1	0
Band48	21.39	55990	3625	64QAM	15MHz	1	37
Band48	21.29	55990	3625	64QAM	15MHz	1	74
Band48	20.82	55990	3625	64QAM	15MHz	36	0
Band48	20.65	55990	3625	64QAM	15MHz	36	19
Band48	20.62	55990	3625	64QAM	15MHz	36	39
Band48	20.29	55990	3625	64QAM	15MHz	75	0
Band48	21.48	56665	3692.5	64QAM	15MHz	1	0
Band48	21.35	56665	3692.5	64QAM	15MHz	1	37
Band48	21.37	56665	3692.5	64QAM	15MHz	1	74
Band48	20.86	56665	3692.5	64QAM	15MHz	36	0
Band48	20.75	56665	3692.5	64QAM	15MHz	36	19
Band48	20.58	56665	3692.5	64QAM	15MHz	36	39
Band48	20.20	56665	3692.5	64QAM	15MHz	75	0
Band48	22.91	55340	3560	QPSK	20MHz	1	0
Band48	22.87	55340	3560	QPSK	20MHz	1	49
Band48	22.83	55340	3560	QPSK	20MHz	1	99

Band48	22.59	55340	3560	QPSK	20MHz	50	0
Band48	22.52	55340	3560	QPSK	20MHz	50	25
Band48	22.48	55340	3560	QPSK	20MHz	50	50
Band48	21.90	55340	3560	QPSK	20MHz	100	0
Band48	22.87	55990	3625	QPSK	20MHz	1	0
Band48	22.84	55990	3625	QPSK	20MHz	1	49
Band48	22.78	55990	3625	QPSK	20MHz	1	99
Band48	22.51	55990	3625	QPSK	20MHz	50	0
Band48	22.41	55990	3625	QPSK	20MHz	50	25
Band48	22.36	55990	3625	QPSK	20MHz	50	50
Band48	21.71	55990	3625	QPSK	20MHz	100	0
Band48	22.88	56640	3690	QPSK	20MHz	1	0
Band48	22.81	56640	3690	QPSK	20MHz	1	49
Band48	22.69	56640	3690	QPSK	20MHz	1	99
Band48	22.55	56640	3690	QPSK	20MHz	50	0
Band48	22.48	56640	3690	QPSK	20MHz	50	25
Band48	22.39	56640	3690	QPSK	20MHz	50	50
Band48	21.67	56640	3690	QPSK	20MHz	100	0
Band48	22.28	55340	3560	16QAM	20MHz	1	0
Band48	22.23	55340	3560	16QAM	20MHz	1	49
Band48	22.10	55340	3560	16QAM	20MHz	1	99
Band48	21.91	55340	3560	16QAM	20MHz	50	0
Band48	21.89	55340	3560	16QAM	20MHz	50	25
Band48	21.84	55340	3560	16QAM	20MHz	50	50
Band48	21.16	55340	3560	16QAM	20MHz	100	0
Band48	22.26	55990	3625	16QAM	20MHz	1	0
Band48	22.18	55990	3625	16QAM	20MHz	1	49
Band48	22.14	55990	3625	16QAM	20MHz	1	99
Band48	21.75	55990	3625	16QAM	20MHz	50	0
Band48	21.68	55990	3625	16QAM	20MHz	50	25
Band48	21.53	55990	3625	16QAM	20MHz	50	50
Band48	21.18	55990	3625	16QAM	20MHz	100	0
Band48	22.31	56640	3690	16QAM	20MHz	1	0
Band48	22.25	56640	3690	16QAM	20MHz	1	49
Band48	22.21	56640	3690	16QAM	20MHz	1	99
Band48	21.91	56640	3690	16QAM	20MHz	50	0
Band48	21.88	56640	3690	16QAM	20MHz	50	25
Band48	21.81	56640	3690	16QAM	20MHz	50	50

Band48	21.23	56640	3690	16QAM	20MHz	100	0
Band48	21.44	55340	3560	64QAM	20MHz	1	0
Band48	21.44	55340	3560	64QAM	20MHz	1	49
Band48	21.36	55340	3560	64QAM	20MHz	1	99
Band48	20.76	55340	3560	64QAM	20MHz	50	0
Band48	20.71	55340	3560	64QAM	20MHz	50	25
Band48	20.63	55340	3560	64QAM	20MHz	50	50
Band48	20.30	55340	3560	64QAM	20MHz	100	0
Band48	21.52	55990	3625	64QAM	20MHz	1	0
Band48	21.37	55990	3625	64QAM	20MHz	1	49
Band48	21.30	55990	3625	64QAM	20MHz	1	99
Band48	20.79	55990	3625	64QAM	20MHz	50	0
Band48	20.74	55990	3625	64QAM	20MHz	50	25
Band48	20.59	55990	3625	64QAM	20MHz	50	50
Band48	20.28	55990	3625	64QAM	20MHz	100	0
Band48	21.52	56640	3690	64QAM	20MHz	1	0
Band48	21.38	56640	3690	64QAM	20MHz	1	49
Band48	21.32	56640	3690	64QAM	20MHz	1	99
Band48	20.82	56640	3690	64QAM	20MHz	50	0
Band48	20.72	56640	3690	64QAM	20MHz	50	25
Band48	20.60	56640	3690	64QAM	20MHz	50	50
Band48	20.15	56640	3690	64QAM	20MHz	100	0
Band66	23.23	131979	1710.7	QPSK	1.4MHz	1	0
Band66	23.18	131979	1710.7	QPSK	1.4MHz	1	2
Band66	23.12	131979	1710.7	QPSK	1.4MHz	1	5
Band66	22.84	131979	1710.7	QPSK	1.4MHz	3	0
Band66	22.85	131979	1710.7	QPSK	1.4MHz	3	1
Band66	22.74	131979	1710.7	QPSK	1.4MHz	3	3
Band66	22.22	131979	1710.7	QPSK	1.4MHz	6	0
Band66	23.25	132322	1745	QPSK	1.4MHz	1	0
Band66	23.18	132322	1745	QPSK	1.4MHz	1	2
Band66	23.12	132322	1745	QPSK	1.4MHz	1	5
Band66	22.84	132322	1745	QPSK	1.4MHz	3	0
Band66	22.80	132322	1745	QPSK	1.4MHz	3	1
Band66	22.73	132322	1745	QPSK	1.4MHz	3	3
Band66	21.98	132322	1745	QPSK	1.4MHz	6	0
Band66	23.22	132665	1779.3	QPSK	1.4MHz	1	0
Band66	23.15	132665	1779.3	QPSK	1.4MHz	1	2

Band66	23.07	132665	1779.3	QPSK	1.4MHz	1	5
Band66	22.80	132665	1779.3	QPSK	1.4MHz	3	0
Band66	22.77	132665	1779.3	QPSK	1.4MHz	3	1
Band66	22.70	132665	1779.3	QPSK	1.4MHz	3	3
Band66	22.21	132665	1779.3	QPSK	1.4MHz	6	0
Band66	22.45	131979	1710.7	16QAM	1.4MHz	1	0
Band66	22.42	131979	1710.7	16QAM	1.4MHz	1	2
Band66	22.38	131979	1710.7	16QAM	1.4MHz	1	5
Band66	21.85	131979	1710.7	16QAM	1.4MHz	3	0
Band66	21.78	131979	1710.7	16QAM	1.4MHz	3	1
Band66	21.64	131979	1710.7	16QAM	1.4MHz	3	3
Band66	21.13	131979	1710.7	16QAM	1.4MHz	6	0
Band66	22.43	132322	1745	16QAM	1.4MHz	1	0
Band66	22.31	132322	1745	16QAM	1.4MHz	1	2
Band66	22.34	132322	1745	16QAM	1.4MHz	1	5
Band66	21.89	132322	1745	16QAM	1.4MHz	3	0
Band66	21.71	132322	1745	16QAM	1.4MHz	3	1
Band66	21.67	132322	1745	16QAM	1.4MHz	3	3
Band66	21.19	132322	1745	16QAM	1.4MHz	6	0
Band66	22.53	132665	1779.3	16QAM	1.4MHz	1	0
Band66	22.46	132665	1779.3	16QAM	1.4MHz	1	2
Band66	22.42	132665	1779.3	16QAM	1.4MHz	1	5
Band66	21.91	132665	1779.3	16QAM	1.4MHz	3	0
Band66	21.81	132665	1779.3	16QAM	1.4MHz	3	1
Band66	21.67	132665	1779.3	16QAM	1.4MHz	3	3
Band66	21.15	132665	1779.3	16QAM	1.4MHz	6	0
Band66	21.65	131979	1710.7	64QAM	1.4MHz	1	0
Band66	21.64	131979	1710.7	64QAM	1.4MHz	1	2
Band66	21.58	131979	1710.7	64QAM	1.4MHz	1	5
Band66	20.82	131979	1710.7	64QAM	1.4MHz	3	0
Band66	20.76	131979	1710.7	64QAM	1.4MHz	3	1
Band66	20.63	131979	1710.7	64QAM	1.4MHz	3	3
Band66	20.35	131979	1710.7	64QAM	1.4MHz	6	0
Band66	21.70	132322	1745	64QAM	1.4MHz	1	0
Band66	21.58	132322	1745	64QAM	1.4MHz	1	2
Band66	21.55	132322	1745	64QAM	1.4MHz	1	5
Band66	20.90	132322	1745	64QAM	1.4MHz	3	0
Band66	20.74	132322	1745	64QAM	1.4MHz	3	1

Band66	20.70	132322	1745	64QAM	1.4MHz	3	3
Band66	20.41	132322	1745	64QAM	1.4MHz	6	0
Band66	21.73	132665	1779.3	64QAM	1.4MHz	1	0
Band66	21.70	132665	1779.3	64QAM	1.4MHz	1	2
Band66	21.65	132665	1779.3	64QAM	1.4MHz	1	5
Band66	20.92	132665	1779.3	64QAM	1.4MHz	3	0
Band66	20.81	132665	1779.3	64QAM	1.4MHz	3	1
Band66	20.72	132665	1779.3	64QAM	1.4MHz	3	3
Band66	20.36	132665	1779.3	64QAM	1.4MHz	6	0
Band66	23.24	131987	1711.5	QPSK	3MHz	1	0
Band66	23.19	131987	1711.5	QPSK	3MHz	1	7
Band66	23.12	131987	1711.5	QPSK	3MHz	1	14
Band66	22.82	131987	1711.5	QPSK	3MHz	8	0
Band66	22.90	131987	1711.5	QPSK	3MHz	8	3
Band66	22.61	131987	1711.5	QPSK	3MHz	8	7
Band66	22.20	131987	1711.5	QPSK	3MHz	15	0
Band66	23.22	132322	1745	QPSK	3MHz	1	0
Band66	23.15	132322	1745	QPSK	3MHz	1	7
Band66	23.08	132322	1745	QPSK	3MHz	1	14
Band66	22.70	132322	1745	QPSK	3MHz	8	0
Band66	22.62	132322	1745	QPSK	3MHz	8	3
Band66	22.59	132322	1745	QPSK	3MHz	8	7
Band66	22.12	132322	1745	QPSK	3MHz	15	0
Band66	23.18	132657	1778.5	QPSK	3MHz	1	0
Band66	23.09	132657	1778.5	QPSK	3MHz	1	7
Band66	23.02	132657	1778.5	QPSK	3MHz	1	14
Band66	22.74	132657	1778.5	QPSK	3MHz	8	0
Band66	22.69	132657	1778.5	QPSK	3MHz	8	3
Band66	22.62	132657	1778.5	QPSK	3MHz	8	7
Band66	22.23	132657	1778.5	QPSK	3MHz	15	0
Band66	22.54	131987	1711.5	16QAM	3MHz	1	0
Band66	22.49	131987	1711.5	16QAM	3MHz	1	7
Band66	22.45	131987	1711.5	16QAM	3MHz	1	14
Band66	21.76	131987	1711.5	16QAM	3MHz	8	0
Band66	21.75	131987	1711.5	16QAM	3MHz	8	3
Band66	21.80	131987	1711.5	16QAM	3MHz	8	7
Band66	21.32	131987	1711.5	16QAM	3MHz	15	0
Band66	22.54	132322	1745	16QAM	3MHz	1	0

Band66	22.50	132322	1745	16QAM	3MHz	1	7
Band66	22.42	132322	1745	16QAM	3MHz	1	14
Band66	21.71	132322	1745	16QAM	3MHz	8	0
Band66	21.66	132322	1745	16QAM	3MHz	8	3
Band66	21.58	132322	1745	16QAM	3MHz	8	7
Band66	21.22	132322	1745	16QAM	3MHz	15	0
Band66	22.55	132657	1778.5	16QAM	3MHz	1	0
Band66	22.50	132657	1778.5	16QAM	3MHz	1	7
Band66	22.45	132657	1778.5	16QAM	3MHz	1	14
Band66	21.93	132657	1778.5	16QAM	3MHz	8	0
Band66	21.86	132657	1778.5	16QAM	3MHz	8	3
Band66	21.82	132657	1778.5	16QAM	3MHz	8	7
Band66	21.31	132657	1778.5	16QAM	3MHz	15	0
Band66	21.72	131987	1711.5	64QAM	3MHz	1	0
Band66	21.66	131987	1711.5	64QAM	3MHz	1	7
Band66	21.66	131987	1711.5	64QAM	3MHz	1	14
Band66	20.87	131987	1711.5	64QAM	3MHz	8	0
Band66	20.77	131987	1711.5	64QAM	3MHz	8	3
Band66	20.68	131987	1711.5	64QAM	3MHz	8	7
Band66	20.32	131987	1711.5	64QAM	3MHz	15	0
Band66	21.68	132322	1745	64QAM	3MHz	1	0
Band66	21.59	132322	1745	64QAM	3MHz	1	7
Band66	21.61	132322	1745	64QAM	3MHz	1	14
Band66	20.91	132322	1745	64QAM	3MHz	8	0
Band66	20.72	132322	1745	64QAM	3MHz	8	3
Band66	20.68	132322	1745	64QAM	3MHz	8	7
Band66	20.46	132322	1745	64QAM	3MHz	15	0
Band66	21.75	132657	1778.5	64QAM	3MHz	1	0
Band66	21.68	132657	1778.5	64QAM	3MHz	1	7
Band66	21.64	132657	1778.5	64QAM	3MHz	1	14
Band66	20.90	132657	1778.5	64QAM	3MHz	8	0
Band66	20.79	132657	1778.5	64QAM	3MHz	8	3
Band66	20.65	132657	1778.5	64QAM	3MHz	8	7
Band66	20.41	132657	1778.5	64QAM	3MHz	15	0
Band66	23.19	131997	1712.5	QPSK	5MHz	1	0
Band66	23.09	131997	1712.5	QPSK	5MHz	1	12
Band66	23.05	131997	1712.5	QPSK	5MHz	1	24
Band66	22.74	131997	1712.5	QPSK	5MHz	12	0

Band66	22.64	131997	1712.5	QPSK	5MHz	12	6
Band66	22.57	131997	1712.5	QPSK	5MHz	12	13
Band66	22.25	131997	1712.5	QPSK	5MHz	25	0
Band66	23.23	132322	1745	QPSK	5MHz	1	0
Band66	23.19	132322	1745	QPSK	5MHz	1	12
Band66	23.08	132322	1745	QPSK	5MHz	1	24
Band66	22.65	132322	1745	QPSK	5MHz	12	0
Band66	22.57	132322	1745	QPSK	5MHz	12	6
Band66	22.54	132322	1745	QPSK	5MHz	12	13
Band66	22.08	132322	1745	QPSK	5MHz	25	0
Band66	23.21	232647	1777.5	QPSK	5MHz	1	0
Band66	23.19	232647	1777.5	QPSK	5MHz	1	12
Band66	23.16	232647	1777.5	QPSK	5MHz	1	24
Band66	22.78	232647	1777.5	QPSK	5MHz	12	0
Band66	22.75	232647	1777.5	QPSK	5MHz	12	6
Band66	22.57	232647	1777.5	QPSK	5MHz	12	13
Band66	22.30	232647	1777.5	QPSK	5MHz	25	0
Band66	22.59	131997	1712.5	16QAM	5MHz	1	0
Band66	22.44	131997	1712.5	16QAM	5MHz	1	12
Band66	22.32	131997	1712.5	16QAM	5MHz	1	24
Band66	21.87	131997	1712.5	16QAM	5MHz	12	0
Band66	21.71	131997	1712.5	16QAM	5MHz	12	6
Band66	21.64	131997	1712.5	16QAM	5MHz	12	13
Band66	21.32	131997	1712.5	16QAM	5MHz	25	0
Band66	22.41	132322	1745	16QAM	5MHz	1	0
Band66	22.34	132322	1745	16QAM	5MHz	1	12
Band66	22.32	132322	1745	16QAM	5MHz	1	24
Band66	21.82	132322	1745	16QAM	5MHz	12	0
Band66	21.78	132322	1745	16QAM	5MHz	12	6
Band66	21.69	132322	1745	16QAM	5MHz	12	13
Band66	21.14	132322	1745	16QAM	5MHz	25	0
Band66	22.57	232647	1777.5	16QAM	5MHz	1	0
Band66	22.42	232647	1777.5	16QAM	5MHz	1	12
Band66	22.34	232647	1777.5	16QAM	5MHz	1	24
Band66	21.82	232647	1777.5	16QAM	5MHz	12	0
Band66	21.75	232647	1777.5	16QAM	5MHz	12	6
Band66	21.63	232647	1777.5	16QAM	5MHz	12	11
Band66	21.36	232647	1777.5	16QAM	5MHz	25	0

Band66	21.63	131997	1712.5	64QAM	5MHz	1	0
Band66	21.64	131997	1712.5	64QAM	5MHz	1	12
Band66	21.60	131997	1712.5	64QAM	5MHz	1	24
Band66	20.82	131997	1712.5	64QAM	5MHz	12	0
Band66	20.78	131997	1712.5	64QAM	5MHz	12	6
Band66	20.69	131997	1712.5	64QAM	5MHz	12	13
Band66	20.37	131997	1712.5	64QAM	5MHz	25	0
Band66	21.71	132322	1745	64QAM	5MHz	1	0
Band66	21.59	132322	1745	64QAM	5MHz	1	12
Band66	21.58	132322	1745	64QAM	5MHz	1	24
Band66	20.89	132322	1745	64QAM	5MHz	12	0
Band66	20.73	132322	1745	64QAM	5MHz	12	6
Band66	20.71	132322	1745	64QAM	5MHz	12	13
Band66	20.37	132322	1745	64QAM	5MHz	25	0
Band66	21.77	232647	1777.5	64QAM	5MHz	1	0
Band66	21.73	232647	1777.5	64QAM	5MHz	1	12
Band66	21.63	232647	1777.5	64QAM	5MHz	1	24
Band66	20.92	232647	1777.5	64QAM	5MHz	12	0
Band66	20.79	232647	1777.5	64QAM	5MHz	12	6
Band66	20.67	232647	1777.5	64QAM	5MHz	12	11
Band66	20.35	232647	1777.5	64QAM	5MHz	25	0
Band66	23.25	132022	1715	QPSK	10MHz	1	0
Band66	23.17	132022	1715	QPSK	10MHz	1	24
Band66	23.12	132022	1715	QPSK	10MHz	1	49
Band66	22.84	132022	1715	QPSK	10MHz	25	0
Band66	22.75	132022	1715	QPSK	10MHz	25	12
Band66	22.64	132022	1715	QPSK	10MHz	25	25
Band66	22.22	132022	1715	QPSK	10MHz	50	0
Band66	23.26	132322	1745	QPSK	10MHz	1	0
Band66	23.22	132322	1745	QPSK	10MHz	1	24
Band66	23.17	132322	1745	QPSK	10MHz	1	49
Band66	22.76	132322	1745	QPSK	10MHz	25	0
Band66	22.74	132322	1745	QPSK	10MHz	25	12
Band66	22.68	132322	1745	QPSK	10MHz	25	25
Band66	22.17	132322	1745	QPSK	10MHz	50	0
Band66	23.25	132622	1775	QPSK	10MHz	1	0
Band66	23.19	132622	1775	QPSK	10MHz	1	24
Band66	23.12	132622	1775	QPSK	10MHz	1	49

Band66	22.86	132622	1775	QPSK	10MHz	25	0
Band66	22.74	132622	1775	QPSK	10MHz	25	12
Band66	22.62	132622	1775	QPSK	10MHz	25	25
Band66	22.36	132622	1775	QPSK	10MHz	50	0
Band66	22.57	132022	1715	16QAM	10MHz	1	0
Band66	22.48	132022	1715	16QAM	10MHz	1	24
Band66	22.39	132022	1715	16QAM	10MHz	1	49
Band66	21.86	132022	1715	16QAM	10MHz	25	0
Band66	21.83	132022	1715	16QAM	10MHz	25	12
Band66	21.67	132022	1715	16QAM	10MHz	25	25
Band66	21.38	132022	1715	16QAM	10MHz	50	0
Band66	22.56	132322	1745	16QAM	10MHz	1	0
Band66	22.48	132322	1745	16QAM	10MHz	1	24
Band66	22.40	132322	1745	16QAM	10MHz	1	49
Band66	21.79	132322	1745	16QAM	10MHz	25	0
Band66	21.73	132322	1745	16QAM	10MHz	25	12
Band66	21.63	132322	1745	16QAM	10MHz	25	25
Band66	21.29	132322	1745	16QAM	10MHz	50	0
Band66	22.57	132622	1775	16QAM	10MHz	1	0
Band66	22.49	132622	1775	16QAM	10MHz	1	24
Band66	22.42	132622	1775	16QAM	10MHz	1	49
Band66	21.89	132622	1775	16QAM	10MHz	25	0
Band66	21.84	132622	1775	16QAM	10MHz	25	12
Band66	21.68	132622	1775	16QAM	10MHz	25	25
Band66	21.29	132622	1775	16QAM	10MHz	50	0
Band66	21.71	132022	1715	64QAM	10MHz	1	0
Band66	21.63	132022	1715	64QAM	10MHz	1	24
Band66	21.57	132022	1715	64QAM	10MHz	1	49
Band66	20.86	132022	1715	64QAM	10MHz	25	0
Band66	20.79	132022	1715	64QAM	10MHz	25	12
Band66	20.61	132022	1715	64QAM	10MHz	25	25
Band66	20.32	132022	1715	64QAM	10MHz	50	0
Band66	21.70	132322	1745	64QAM	10MHz	1	0
Band66	21.52	132322	1745	64QAM	10MHz	1	24
Band66	21.52	132322	1745	64QAM	10MHz	1	49
Band66	20.94	132322	1745	64QAM	10MHz	25	0
Band66	20.75	132322	1745	64QAM	10MHz	25	12
Band66	20.69	132322	1745	64QAM	10MHz	25	25

Band66	20.45	132322	1745	64QAM	10MHz	50	0
Band66	21.74	132622	1775	64QAM	10MHz	1	0
Band66	21.66	132622	1775	64QAM	10MHz	1	24
Band66	21.66	132622	1775	64QAM	10MHz	1	49
Band66	20.89	132622	1775	64QAM	10MHz	25	0
Band66	20.78	132622	1775	64QAM	10MHz	25	12
Band66	20.67	132622	1775	64QAM	10MHz	25	25
Band66	20.40	132622	1775	64QAM	10MHz	50	0
Band66	23.22	132047	1717.5	QPSK	15MHz	1	0
Band66	23.13	132047	1717.5	QPSK	15MHz	1	37
Band66	23.07	132047	1717.5	QPSK	15MHz	1	74
Band66	22.69	132047	1717.5	QPSK	15MHz	36	0
Band66	22.66	132047	1717.5	QPSK	15MHz	36	19
Band66	22.64	132047	1717.5	QPSK	15MHz	36	39
Band66	22.13	132047	1717.5	QPSK	15MHz	75	0
Band66	23.24	132322	1745	QPSK	15MHz	1	0
Band66	23.19	132322	1745	QPSK	15MHz	1	37
Band66	23.12	132322	1745	QPSK	15MHz	1	74
Band66	22.98	132322	1745	QPSK	15MHz	36	0
Band66	22.93	132322	1745	QPSK	15MHz	36	19
Band66	22.86	132322	1745	QPSK	15MHz	36	39
Band66	22.30	132322	1745	QPSK	15MHz	75	0
Band66	23.20	132597	1772.5	QPSK	15MHz	1	0
Band66	23.09	132597	1772.5	QPSK	15MHz	1	37
Band66	23.03	132597	1772.5	QPSK	15MHz	1	74
Band66	22.78	132597	1772.5	QPSK	15MHz	36	0
Band66	22.71	132597	1772.5	QPSK	15MHz	36	19
Band66	22.65	132597	1772.5	QPSK	15MHz	36	39
Band66	22.29	132597	1772.5	QPSK	15MHz	75	0
Band66	22.53	132047	1717.5	16QAM	15MHz	1	0
Band66	22.43	132047	1717.5	16QAM	15MHz	1	37
Band66	22.35	132047	1717.5	16QAM	15MHz	1	74
Band66	21.77	132047	1717.5	16QAM	15MHz	36	0
Band66	21.61	132047	1717.5	16QAM	15MHz	36	19
Band66	21.57	132047	1717.5	16QAM	15MHz	36	39
Band66	21.33	132047	1717.5	16QAM	15MHz	75	0
Band66	22.52	132322	1745	16QAM	15MHz	1	0
Band66	22.46	132322	1745	16QAM	15MHz	1	37

Band66	22.38	132322	1745	16QAM	15MHz	1	74
Band66	21.64	132322	1745	16QAM	15MHz	36	0
Band66	21.57	132322	1745	16QAM	15MHz	36	19
Band66	21.51	132322	1745	16QAM	15MHz	36	39
Band66	21.24	132322	1745	16QAM	15MHz	75	0
Band66	22.51	132597	1772.5	16QAM	15MHz	1	0
Band66	22.46	132597	1772.5	16QAM	15MHz	1	37
Band66	22.42	132597	1772.5	16QAM	15MHz	1	74
Band66	21.79	132597	1772.5	16QAM	15MHz	36	0
Band66	21.68	132597	1772.5	16QAM	15MHz	36	19
Band66	21.61	132597	1772.5	16QAM	15MHz	36	39
Band66	21.37	132597	1772.5	16QAM	15MHz	75	0
Band66	21.67	132047	1717.5	64QAM	15MHz	1	0
Band66	21.64	132047	1717.5	64QAM	15MHz	1	37
Band66	21.66	132047	1717.5	64QAM	15MHz	1	74
Band66	20.90	132047	1717.5	64QAM	15MHz	36	0
Band66	20.76	132047	1717.5	64QAM	15MHz	36	19
Band66	20.67	132047	1717.5	64QAM	15MHz	36	39
Band66	20.37	132047	1717.5	64QAM	15MHz	75	0
Band66	21.61	132322	1745	64QAM	15MHz	1	0
Band66	21.57	132322	1745	64QAM	15MHz	1	37
Band66	21.52	132322	1745	64QAM	15MHz	1	74
Band66	20.87	132322	1745	64QAM	15MHz	36	0
Band66	20.77	132322	1745	64QAM	15MHz	36	19
Band66	20.67	132322	1745	64QAM	15MHz	36	39
Band66	20.42	132322	1745	64QAM	15MHz	75	0
Band66	21.79	132597	1772.5	64QAM	15MHz	1	0
Band66	21.73	132597	1772.5	64QAM	15MHz	1	37
Band66	21.62	132597	1772.5	64QAM	15MHz	1	74
Band66	20.97	132597	1772.5	64QAM	15MHz	36	0
Band66	20.81	132597	1772.5	64QAM	15MHz	36	19
Band66	20.70	132597	1772.5	64QAM	15MHz	36	39
Band66	20.33	132597	1772.5	64QAM	15MHz	75	0
Band66	23.24	132072	1720	QPSK	20MHz	1	0
Band66	23.12	132072	1720	QPSK	20MHz	1	49
Band66	23.04	132072	1720	QPSK	20MHz	1	99
Band66	22.84	132072	1720	QPSK	20MHz	50	0
Band66	22.80	132072	1720	QPSK	20MHz	50	25

Band66	22.76	132072	1720	QPSK	20MHz	50	50
Band66	22.07	132072	1720	QPSK	20MHz	100	0
Band66	23.29	132322	1745	QPSK	20MHz	1	0
Band66	23.19	132322	1745	QPSK	20MHz	1	49
Band66	23.08	132322	1745	QPSK	20MHz	1	99
Band66	22.98	132322	1745	QPSK	20MHz	50	0
Band66	22.92	132322	1745	QPSK	20MHz	50	25
Band66	22.84	132322	1745	QPSK	20MHz	50	50
Band66	22.33	132322	1745	QPSK	20MHz	100	0
Band66	23.26	132572	1770	QPSK	20MHz	1	0
Band66	23.22	132572	1770	QPSK	20MHz	1	49
Band66	23.19	132572	1770	QPSK	20MHz	1	99
Band66	22.90	132572	1770	QPSK	20MHz	50	0
Band66	22.87	132572	1770	QPSK	20MHz	50	25
Band66	22.82	132572	1770	QPSK	20MHz	50	50
Band66	22.28	132572	1770	QPSK	20MHz	100	0
Band66	22.53	132072	1720	16QAM	20MHz	1	0
Band66	22.43	132072	1720	16QAM	20MHz	1	49
Band66	22.36	132072	1720	16QAM	20MHz	1	99
Band66	21.82	132072	1720	16QAM	20MHz	50	0
Band66	21.74	132072	1720	16QAM	20MHz	50	25
Band66	21.66	132072	1720	16QAM	20MHz	50	50
Band66	21.26	132072	1720	16QAM	20MHz	100	0
Band66	22.52	132322	1745	16QAM	20MHz	1	0
Band66	22.43	132322	1745	16QAM	20MHz	1	49
Band66	22.40	132322	1745	16QAM	20MHz	1	99
Band66	21.83	132322	1745	16QAM	20MHz	50	0
Band66	21.78	132322	1745	16QAM	20MHz	50	25
Band66	21.71	132322	1745	16QAM	20MHz	50	50
Band66	21.25	132322	1745	16QAM	20MHz	100	0
Band66	22.48	132572	1770	16QAM	20MHz	1	0
Band66	22.43	132572	1770	16QAM	20MHz	1	49
Band66	22.39	132572	1770	16QAM	20MHz	1	99
Band66	21.91	132572	1770	16QAM	20MHz	50	0
Band66	21.87	132572	1770	16QAM	20MHz	50	25
Band66	21.72	132572	1770	16QAM	20MHz	50	50
Band66	21.25	132572	1770	16QAM	20MHz	100	0
Band66	21.67	132072	1720	64QAM	20MHz	1	0

Band66	21.63	132072	1720	64QAM	20MHz	1	49
Band66	21.56	132072	1720	64QAM	20MHz	1	99
Band66	20.84	132072	1720	64QAM	20MHz	50	0
Band66	20.80	132072	1720	64QAM	20MHz	50	25
Band66	20.65	132072	1720	64QAM	20MHz	50	50
Band66	20.36	132072	1720	64QAM	20MHz	100	0
Band66	21.69	132322	1745	64QAM	20MHz	1	0
Band66	21.52	132322	1745	64QAM	20MHz	1	49
Band66	21.59	132322	1745	64QAM	20MHz	1	99
Band66	20.94	132322	1745	64QAM	20MHz	50	0
Band66	20.67	132322	1745	64QAM	20MHz	50	25
Band66	20.70	132322	1745	64QAM	20MHz	50	50
Band66	20.39	132322	1745	64QAM	20MHz	100	0
Band66	21.73	132572	1770	64QAM	20MHz	1	0
Band66	21.72	132572	1770	64QAM	20MHz	1	49
Band66	21.69	132572	1770	64QAM	20MHz	1	99
Band66	20.88	132572	1770	64QAM	20MHz	50	0
Band66	20.80	132572	1770	64QAM	20MHz	50	25
Band66	20.65	132572	1770	64QAM	20MHz	50	50
Band66	20.39	132572	1770	64QAM	20MHz	100	0
Band71	23.23	133147	665.5	QPSK	5MHz	1	0
Band71	23.17	133147	665.5	QPSK	5MHz	1	12
Band71	23.08	133147	665.5	QPSK	5MHz	1	24
Band71	22.68	133147	665.5	QPSK	5MHz	12	0
Band71	22.61	133147	665.5	QPSK	5MHz	12	6
Band71	22.60	133147	665.5	QPSK	5MHz	12	13
Band71	21.87	133147	665.5	QPSK	5MHz	25	0
Band71	23.18	133297	680.5	QPSK	5MHz	1	0
Band71	23.13	133297	680.5	QPSK	5MHz	1	12
Band71	23.07	133297	680.5	QPSK	5MHz	1	24
Band71	22.77	133297	680.5	QPSK	5MHz	12	0
Band71	22.73	133297	680.5	QPSK	5MHz	12	6
Band71	22.67	133297	680.5	QPSK	5MHz	12	13
Band71	22.15	133297	680.5	QPSK	5MHz	25	0
Band71	23.19	133447	695.5	QPSK	5MHz	1	0
Band71	23.14	133447	695.5	QPSK	5MHz	1	12
Band71	23.11	133447	695.5	QPSK	5MHz	1	24
Band71	22.76	133447	695.5	QPSK	5MHz	12	0

Band71	22.70	133447	695.5	QPSK	5MHz	12	6
Band71	22.63	133447	695.5	QPSK	5MHz	12	13
Band71	22.24	133447	695.5	QPSK	5MHz	25	0
Band71	22.55	133147	665.5	16QAM	5MHz	1	0
Band71	22.46	133147	665.5	16QAM	5MHz	1	12
Band71	22.41	133147	665.5	16QAM	5MHz	1	24
Band71	21.79	133147	665.5	16QAM	5MHz	12	0
Band71	21.72	133147	665.5	16QAM	5MHz	12	6
Band71	21.63	133147	665.5	16QAM	5MHz	12	13
Band71	21.28	133147	665.5	16QAM	5MHz	25	0
Band71	22.51	133297	680.5	16QAM	5MHz	1	0
Band71	22.44	133297	680.5	16QAM	5MHz	1	12
Band71	22.42	133297	680.5	16QAM	5MHz	1	24
Band71	21.78	133297	680.5	16QAM	5MHz	12	0
Band71	21.67	133297	680.5	16QAM	5MHz	12	6
Band71	21.64	133297	680.5	16QAM	5MHz	12	13
Band71	21.13	133297	680.5	16QAM	5MHz	25	0
Band71	22.53	133447	695.5	16QAM	5MHz	1	0
Band71	22.47	133447	695.5	16QAM	5MHz	1	12
Band71	22.41	133447	695.5	16QAM	5MHz	1	24
Band71	21.85	133447	695.5	16QAM	5MHz	12	0
Band71	21.73	133447	695.5	16QAM	5MHz	12	6
Band71	21.64	133447	695.5	16QAM	5MHz	12	11
Band71	21.19	133447	695.5	16QAM	5MHz	25	0
Band71	21.82	133147	665.5	64QAM	5MHz	1	0
Band71	21.64	133147	665.5	64QAM	5MHz	1	12
Band71	21.61	133147	665.5	64QAM	5MHz	1	24
Band71	20.79	133147	665.5	64QAM	5MHz	12	0
Band71	20.77	133147	665.5	64QAM	5MHz	12	6
Band71	20.64	133147	665.5	64QAM	5MHz	12	13
Band71	20.47	133147	665.5	64QAM	5MHz	25	0
Band71	21.76	133297	680.5	64QAM	5MHz	1	0
Band71	21.62	133297	680.5	64QAM	5MHz	1	12
Band71	21.65	133297	680.5	64QAM	5MHz	1	24
Band71	20.83	133297	680.5	64QAM	5MHz	12	0
Band71	20.72	133297	680.5	64QAM	5MHz	12	6
Band71	20.66	133297	680.5	64QAM	5MHz	12	13
Band71	20.39	133297	680.5	64QAM	5MHz	25	0

Band71	21.73	133447	695.5	64QAM	5MHz	1	0
Band71	21.72	133447	695.5	64QAM	5MHz	1	12
Band71	21.64	133447	695.5	64QAM	5MHz	1	24
Band71	20.84	133447	695.5	64QAM	5MHz	12	0
Band71	20.77	133447	695.5	64QAM	5MHz	12	6
Band71	20.63	133447	695.5	64QAM	5MHz	12	11
Band71	20.43	133447	695.5	64QAM	5MHz	25	0
Band71	23.24	133172	668	QPSK	10MHz	1	0
Band71	23.15	133172	668	QPSK	10MHz	1	24
Band71	23.03	133172	668	QPSK	10MHz	1	49
Band71	22.76	133172	668	QPSK	10MHz	25	0
Band71	22.72	133172	668	QPSK	10MHz	25	12
Band71	22.66	133172	668	QPSK	10MHz	25	25
Band71	22.18	133172	668	QPSK	10MHz	50	0
Band71	23.18	133297	680.5	QPSK	10MHz	1	0
Band71	23.11	133297	680.5	QPSK	10MHz	1	24
Band71	23.09	133297	680.5	QPSK	10MHz	1	49
Band71	22.84	133297	680.5	QPSK	10MHz	25	0
Band71	22.76	133297	680.5	QPSK	10MHz	25	12
Band71	22.67	133297	680.5	QPSK	10MHz	25	25
Band71	22.22	133297	680.5	QPSK	10MHz	50	0
Band71	23.21	133422	693	QPSK	10MHz	1	0
Band71	23.18	133422	693	QPSK	10MHz	1	24
Band71	23.00	133422	693	QPSK	10MHz	1	49
Band71	22.85	133422	693	QPSK	10MHz	25	0
Band71	22.76	133422	693	QPSK	10MHz	25	12
Band71	22.68	133422	693	QPSK	10MHz	25	25
Band71	22.28	133422	693	QPSK	10MHz	50	0
Band71	22.43	133172	668	16QAM	10MHz	1	0
Band71	22.37	133172	668	16QAM	10MHz	1	24
Band71	22.34	133172	668	16QAM	10MHz	1	49
Band71	21.63	133172	668	16QAM	10MHz	25	0
Band71	21.61	133172	668	16QAM	10MHz	25	12
Band71	21.58	133172	668	16QAM	10MHz	25	25
Band71	21.16	133172	668	16QAM	10MHz	50	0
Band71	22.38	133297	680.5	16QAM	10MHz	1	0
Band71	22.22	133297	680.5	16QAM	10MHz	1	24
Band71	22.17	133297	680.5	16QAM	10MHz	1	49

Band71	21.70	133297	680.5	16QAM	10MHz	25	0
Band71	21.63	133297	680.5	16QAM	10MHz	25	12
Band71	21.50	133297	680.5	16QAM	10MHz	25	25
Band71	21.17	133297	680.5	16QAM	10MHz	50	0
Band71	22.45	133422	693	16QAM	10MHz	1	0
Band71	22.39	133422	693	16QAM	10MHz	1	24
Band71	22.21	133422	693	16QAM	10MHz	1	49
Band71	21.75	133422	693	16QAM	10MHz	25	0
Band71	21.67	133422	693	16QAM	10MHz	25	12
Band71	21.62	133422	693	16QAM	10MHz	25	25
Band71	21.13	133422	693	16QAM	10MHz	50	0
Band71	21.74	133172	668	64QAM	10MHz	1	0
Band71	21.65	133172	668	64QAM	10MHz	1	24
Band71	21.62	133172	668	64QAM	10MHz	1	49
Band71	20.75	133172	668	64QAM	10MHz	25	0
Band71	20.74	133172	668	64QAM	10MHz	25	12
Band71	20.67	133172	668	64QAM	10MHz	25	25
Band71	20.49	133172	668	64QAM	10MHz	50	0
Band71	21.74	133297	680.5	64QAM	10MHz	1	0
Band71	21.68	133297	680.5	64QAM	10MHz	1	24
Band71	21.66	133297	680.5	64QAM	10MHz	1	49
Band71	20.80	133297	680.5	64QAM	10MHz	25	0
Band71	20.66	133297	680.5	64QAM	10MHz	25	12
Band71	20.68	133297	680.5	64QAM	10MHz	25	25
Band71	20.35	133297	680.5	64QAM	10MHz	50	0
Band71	21.77	133422	693	64QAM	10MHz	1	0
Band71	21.72	133422	693	64QAM	10MHz	1	24
Band71	21.64	133422	693	64QAM	10MHz	1	49
Band71	20.84	133422	693	64QAM	10MHz	25	0
Band71	20.78	133422	693	64QAM	10MHz	25	12
Band71	20.63	133422	693	64QAM	10MHz	25	25
Band71	20.41	133422	693	64QAM	10MHz	50	0
Band71	23.22	133197	670.5	QPSK	15MHz	1	0
Band71	22.98	133197	670.5	QPSK	15MHz	1	37
Band71	22.87	133197	670.5	QPSK	15MHz	1	74
Band71	22.85	133197	670.5	QPSK	15MHz	36	0
Band71	22.80	133197	670.5	QPSK	15MHz	36	19
Band71	22.68	133197	670.5	QPSK	15MHz	36	39

Band71	22.71	133197	670.5	QPSK	15MHz	75	0
Band71	23.17	133297	680.5	QPSK	15MHz	1	0
Band71	23.04	133297	680.5	QPSK	15MHz	1	37
Band71	22.95	133297	680.5	QPSK	15MHz	1	74
Band71	22.79	133297	680.5	QPSK	15MHz	36	0
Band71	22.75	133297	680.5	QPSK	15MHz	36	19
Band71	22.67	133297	680.5	QPSK	15MHz	36	39
Band71	22.02	133297	680.5	QPSK	15MHz	75	0
Band71	23.19	133397	690.5	QPSK	15MHz	1	0
Band71	22.96	133397	690.5	QPSK	15MHz	1	37
Band71	22.93	133397	690.5	QPSK	15MHz	1	74
Band71	22.71	133397	690.5	QPSK	15MHz	36	0
Band71	22.67	133397	690.5	QPSK	15MHz	36	19
Band71	22.62	133397	690.5	QPSK	15MHz	36	39
Band71	22.12	133397	690.5	QPSK	15MHz	75	0
Band71	22.45	133197	670.5	16QAM	15MHz	1	0
Band71	22.37	133197	670.5	16QAM	15MHz	1	37
Band71	22.34	133197	670.5	16QAM	15MHz	1	74
Band71	21.70	133197	670.5	16QAM	15MHz	36	0
Band71	21.66	133197	670.5	16QAM	15MHz	36	19
Band71	21.60	133197	670.5	16QAM	15MHz	36	39
Band71	21.20	133197	670.5	16QAM	15MHz	75	0
Band71	22.35	133297	680.5	16QAM	15MHz	1	0
Band71	22.21	133297	680.5	16QAM	15MHz	1	37
Band71	22.16	133297	680.5	16QAM	15MHz	1	74
Band71	21.62	133297	680.5	16QAM	15MHz	36	0
Band71	21.71	133297	680.5	16QAM	15MHz	36	19
Band71	21.66	133297	680.5	16QAM	15MHz	36	39
Band71	21.09	133297	680.5	16QAM	15MHz	75	0
Band71	22.32	133397	690.5	16QAM	15MHz	1	0
Band71	22.27	133397	690.5	16QAM	15MHz	1	37
Band71	22.16	133397	690.5	16QAM	15MHz	1	74
Band71	21.69	133397	690.5	16QAM	15MHz	36	0
Band71	21.76	133397	690.5	16QAM	15MHz	36	19
Band71	21.70	133397	690.5	16QAM	15MHz	36	39
Band71	21.02	133397	690.5	16QAM	15MHz	75	0
Band71	21.76	133197	670.5	64QAM	15MHz	1	0
Band71	21.65	133197	670.5	64QAM	15MHz	1	37

Band71	21.64	133197	670.5	64QAM	15MHz	1	74
Band71	20.79	133197	670.5	64QAM	15MHz	36	0
Band71	20.74	133197	670.5	64QAM	15MHz	36	19
Band71	20.61	133197	670.5	64QAM	15MHz	36	39
Band71	20.48	133197	670.5	64QAM	15MHz	75	0
Band71	21.71	133297	680.5	64QAM	15MHz	1	0
Band71	21.69	133297	680.5	64QAM	15MHz	1	37
Band71	21.69	133297	680.5	64QAM	15MHz	1	74
Band71	20.76	133297	680.5	64QAM	15MHz	36	0
Band71	20.64	133297	680.5	64QAM	15MHz	36	19
Band71	20.69	133297	680.5	64QAM	15MHz	36	39
Band71	20.40	133297	680.5	64QAM	15MHz	75	0
Band71	21.78	133397	690.5	64QAM	15MHz	1	0
Band71	21.75	133397	690.5	64QAM	15MHz	1	37
Band71	21.63	133397	690.5	64QAM	15MHz	1	74
Band71	20.84	133397	690.5	64QAM	15MHz	36	0
Band71	20.76	133397	690.5	64QAM	15MHz	36	19
Band71	20.67	133397	690.5	64QAM	15MHz	36	39
Band71	20.47	133397	690.5	64QAM	15MHz	75	0
Band71	23.27	133222	673	QPSK	20MHz	1	0
Band71	23.12	133222	673	QPSK	20MHz	1	49
Band71	23.08	133222	673	QPSK	20MHz	1	99
Band71	22.85	133222	673	QPSK	20MHz	50	0
Band71	22.80	133222	673	QPSK	20MHz	50	25
Band71	22.75	133222	673	QPSK	20MHz	50	50
Band71	22.14	133222	673	QPSK	20MHz	100	0
Band71	23.18	133322	683	QPSK	20MHz	1	0
Band71	23.11	133322	683	QPSK	20MHz	1	49
Band71	23.02	133322	683	QPSK	20MHz	1	99
Band71	22.79	133322	683	QPSK	20MHz	50	0
Band71	22.77	133322	683	QPSK	20MHz	50	25
Band71	22.73	133322	683	QPSK	20MHz	50	50
Band71	22.10	133322	683	QPSK	20MHz	100	0
Band71	23.22	133372	688	QPSK	20MHz	1	0
Band71	23.16	133372	688	QPSK	20MHz	1	49
Band71	23.02	133372	688	QPSK	20MHz	1	99
Band71	22.72	133372	688	QPSK	20MHz	50	0
Band71	22.68	133372	688	QPSK	20MHz	50	25

Band71	22.60	133372	688	QPSK	20MHz	50	50
Band71	22.03	133372	688	QPSK	20MHz	100	0
Band71	22.52	133222	673	16QAM	20MHz	1	0
Band71	22.48	133222	673	16QAM	20MHz	1	49
Band71	22.36	133222	673	16QAM	20MHz	1	99
Band71	21.81	133222	673	16QAM	20MHz	50	0
Band71	21.75	133222	673	16QAM	20MHz	50	25
Band71	21.58	133222	673	16QAM	20MHz	50	50
Band71	21.21	133222	673	16QAM	20MHz	100	0
Band71	22.59	133322	683	16QAM	20MHz	1	0
Band71	22.44	133322	683	16QAM	20MHz	1	49
Band71	22.32	133322	683	16QAM	20MHz	1	99
Band71	21.78	133322	683	16QAM	20MHz	50	0
Band71	21.73	133322	683	16QAM	20MHz	50	25
Band71	21.65	133322	683	16QAM	20MHz	50	50
Band71	21.01	133322	683	16QAM	20MHz	100	0
Band71	22.17	133372	688	16QAM	20MHz	1	0
Band71	22.57	133372	688	16QAM	20MHz	1	49
Band71	22.45	133372	688	16QAM	20MHz	1	99
Band71	21.75	133372	688	16QAM	20MHz	50	0
Band71	21.67	133372	688	16QAM	20MHz	50	25
Band71	21.63	133372	688	16QAM	20MHz	50	50
Band71	20.95	133372	688	16QAM	20MHz	100	0
Band71	21.82	133222	673	64QAM	20MHz	1	0
Band71	21.73	133222	673	64QAM	20MHz	1	49
Band71	21.62	133222	673	64QAM	20MHz	1	99
Band71	20.82	133222	673	64QAM	20MHz	50	0
Band71	20.75	133222	673	64QAM	20MHz	50	25
Band71	20.66	133222	673	64QAM	20MHz	50	50
Band71	20.49	133222	673	64QAM	20MHz	100	0
Band71	21.73	133322	683	64QAM	20MHz	1	0
Band71	21.69	133322	683	64QAM	20MHz	1	49
Band71	21.68	133322	683	64QAM	20MHz	1	99
Band71	20.80	133322	683	64QAM	20MHz	50	0
Band71	20.69	133322	683	64QAM	20MHz	50	25
Band71	20.65	133322	683	64QAM	20MHz	50	50
Band71	20.35	133322	683	64QAM	20MHz	100	0
Band71	21.75	133372	688	64QAM	20MHz	1	0

Band71	21.66	133372	688	64QAM	20MHz	1	49
Band71	21.64	133372	688	64QAM	20MHz	1	99
Band71	20.89	133372	688	64QAM	20MHz	50	0
Band71	20.72	133372	688	64QAM	20MHz	50	25
Band71	20.63	133372	688	64QAM	20MHz	50	50
Band71	20.38	133372	688	64QAM	20MHz	100	0

E: Spectrum Emission Mask

Test Graphs

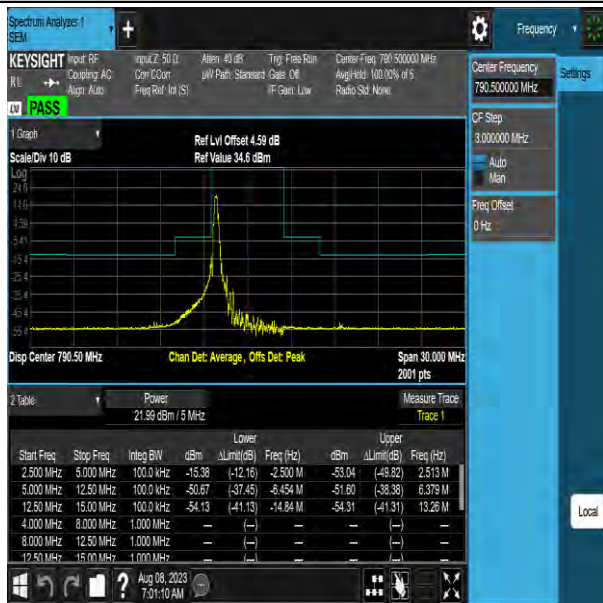
NTNV-Band14-5MHz-QPSK-23305-1RB#0--5.00--2.50-PASS



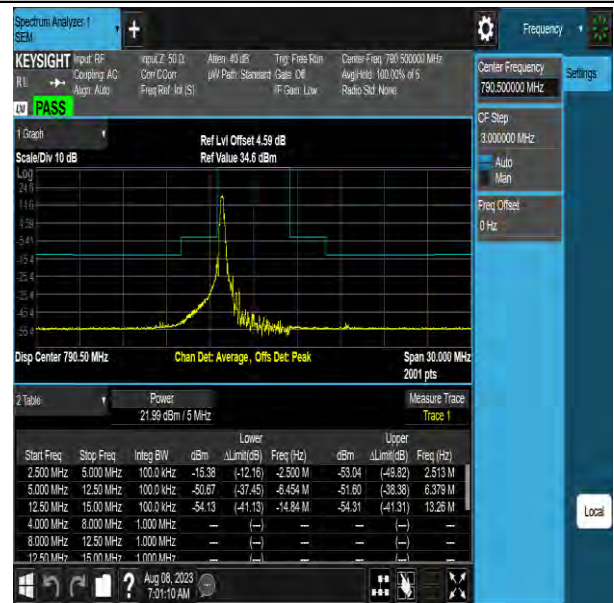
NTNV-Band14-5MHz-QPSK-23305-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#0--12.50--5.00-PASS

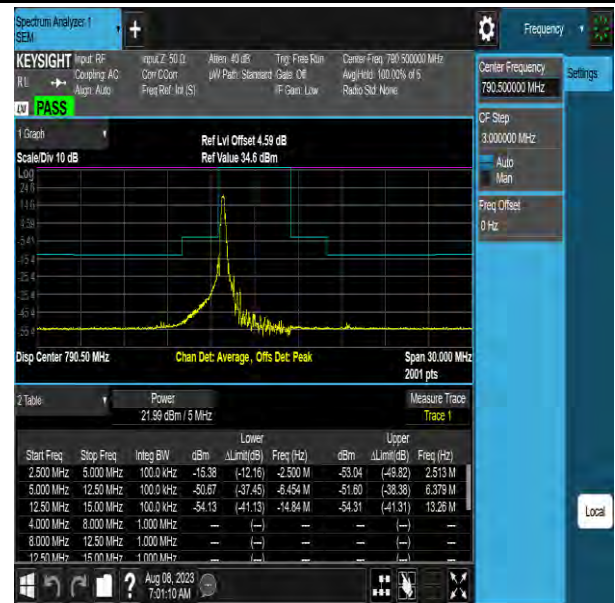
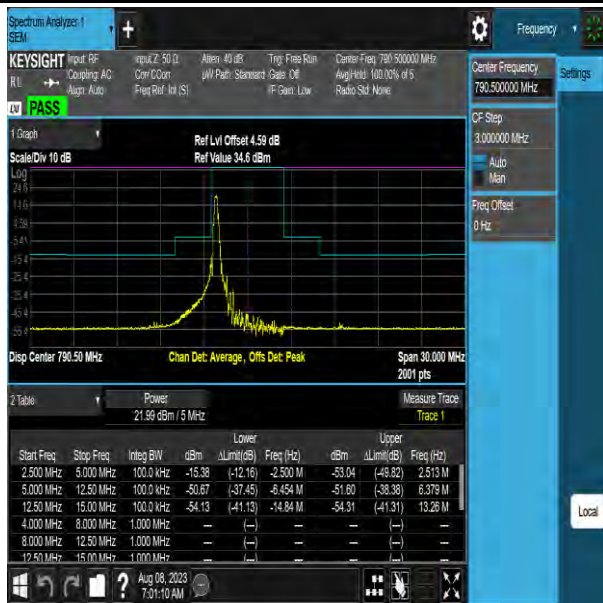


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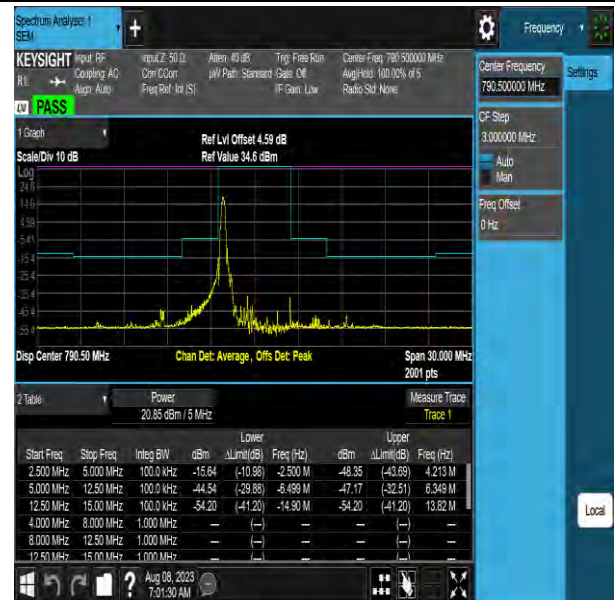
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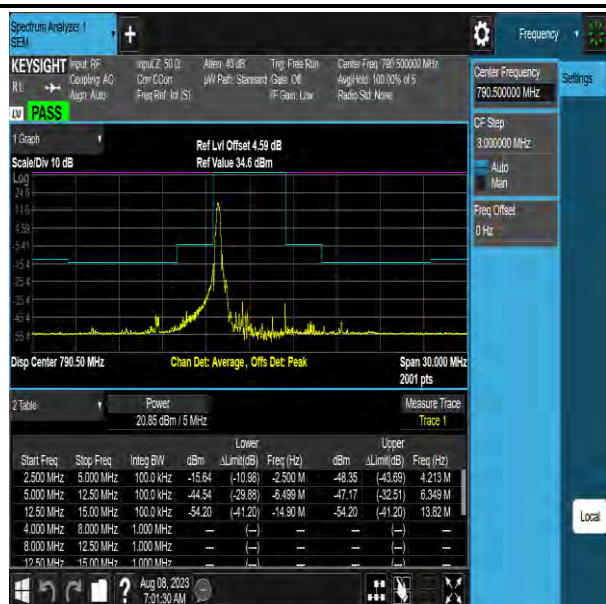
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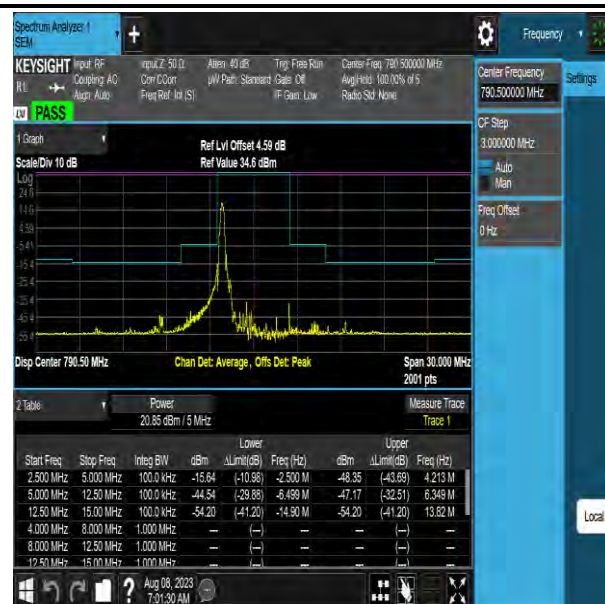


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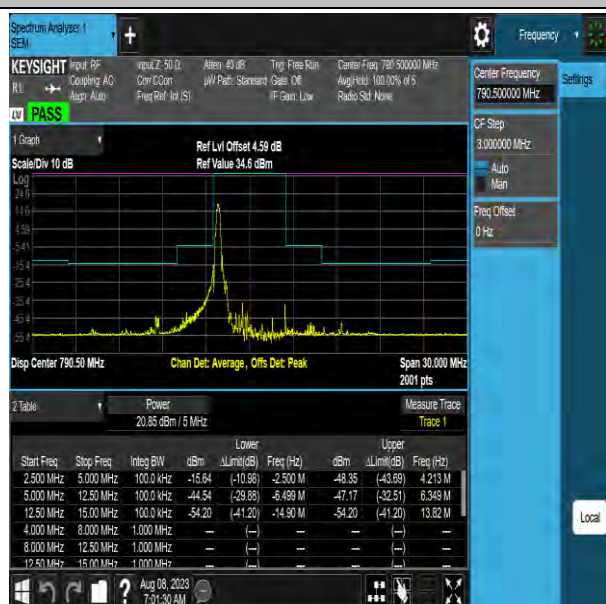
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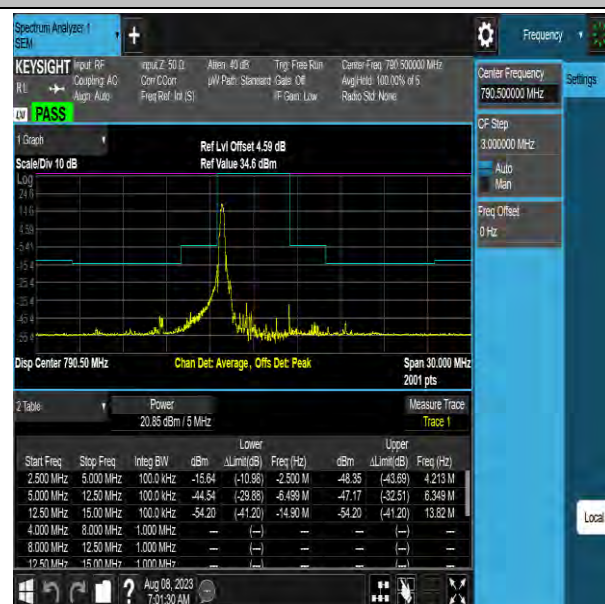
NTNV-Band14-5MHz-16QAM-23305-1RB#0--15.00--12.50-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#0-12.50-15.00-PASS



NTNV-Band14-5MHz-64QAM-23305-1RB#0--5.00--2.50-PASS



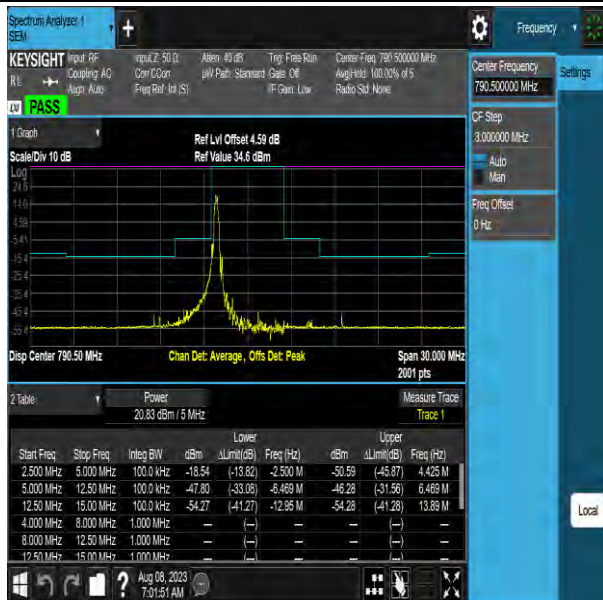
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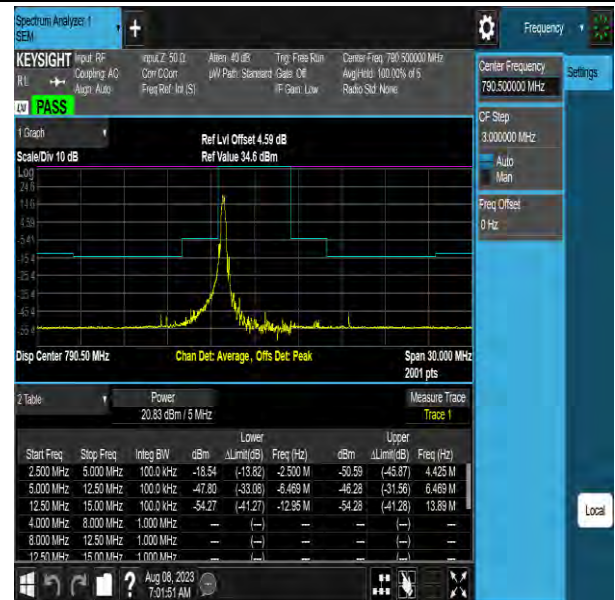
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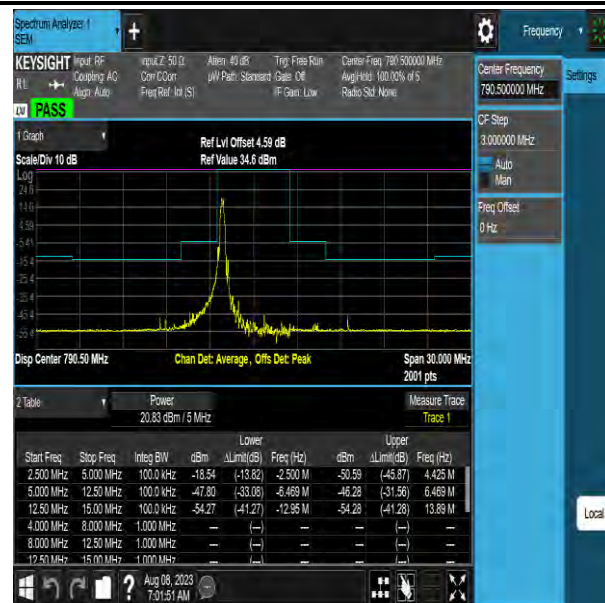
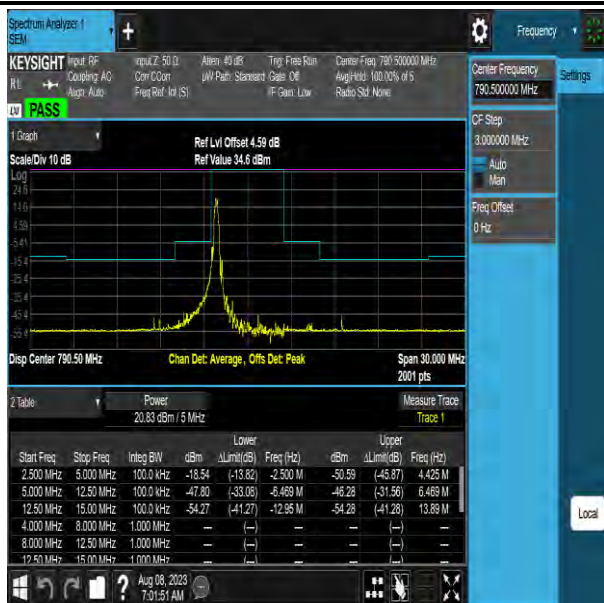
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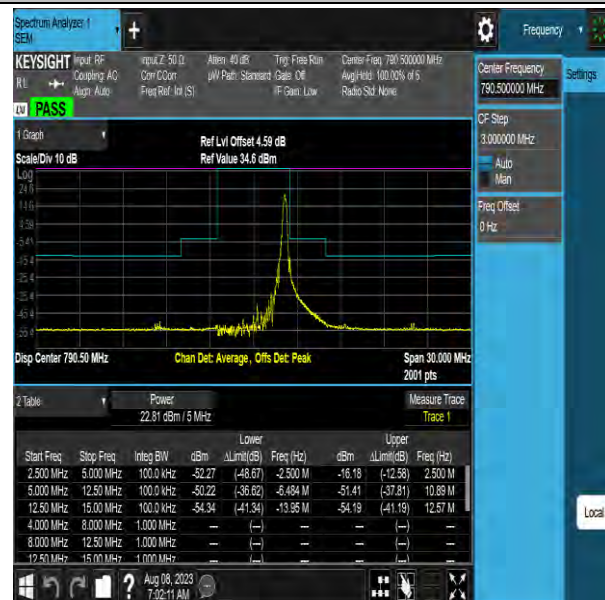
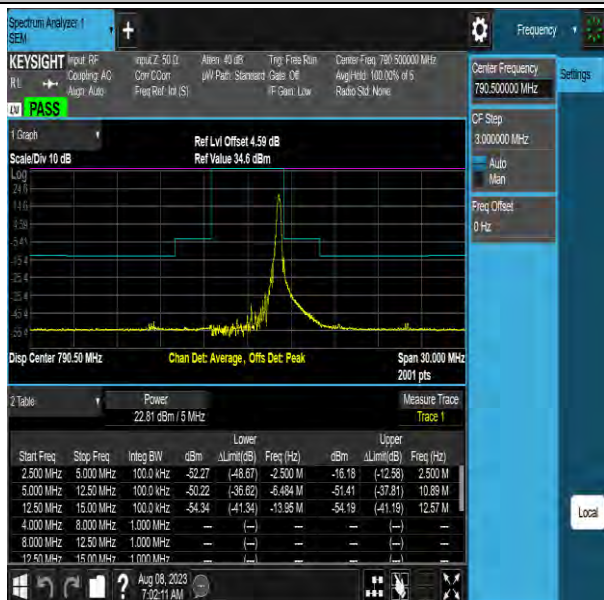


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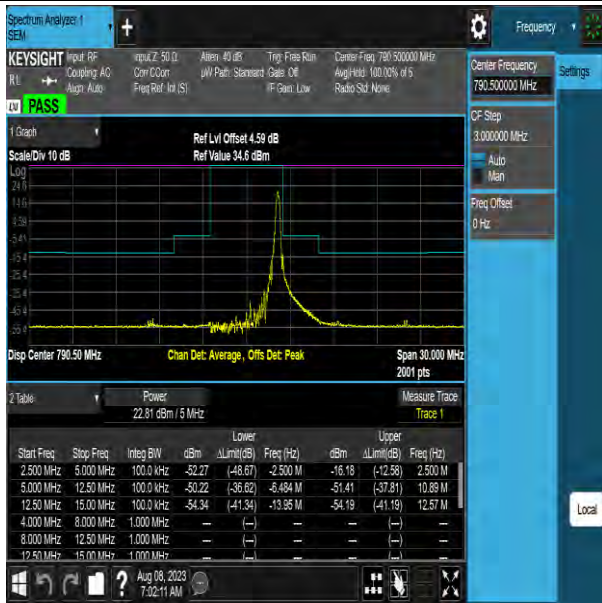
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NTNV-Band14-5MHz-QPSK-23305-1RB#24--2.50-2.50-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#24--12.50--5.00-PASS

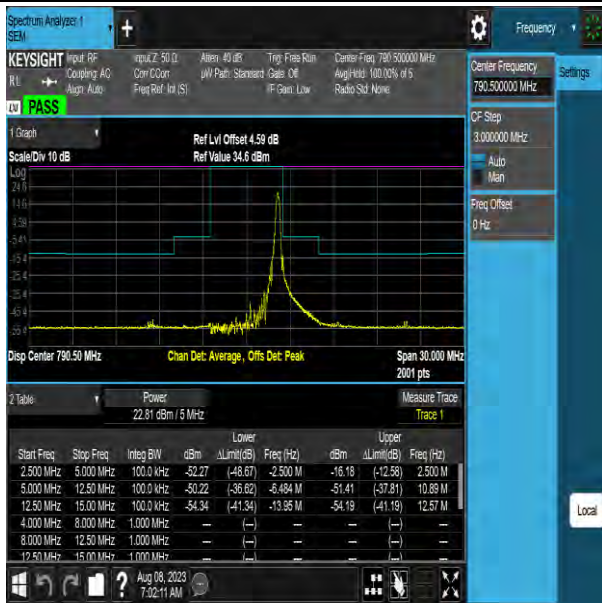
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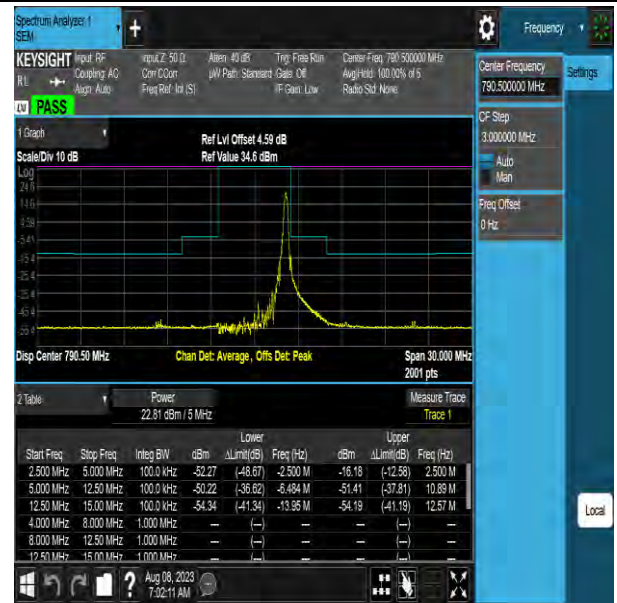
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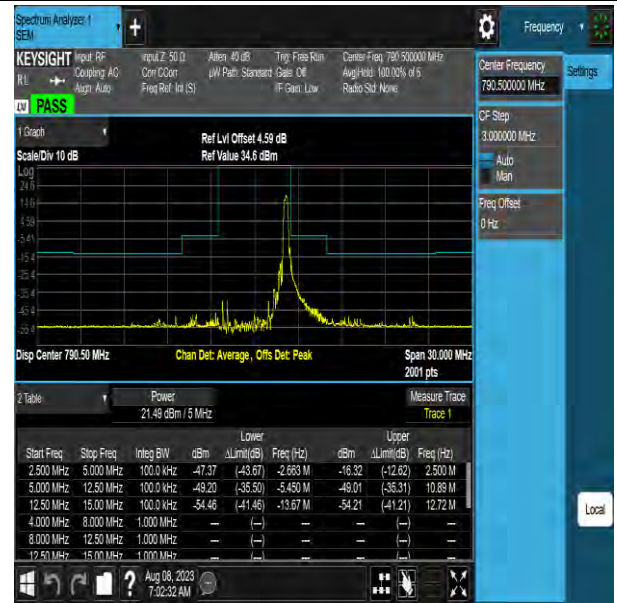
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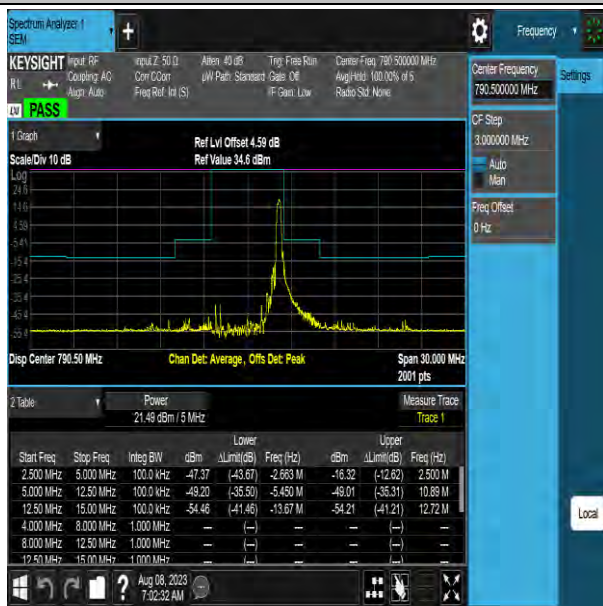
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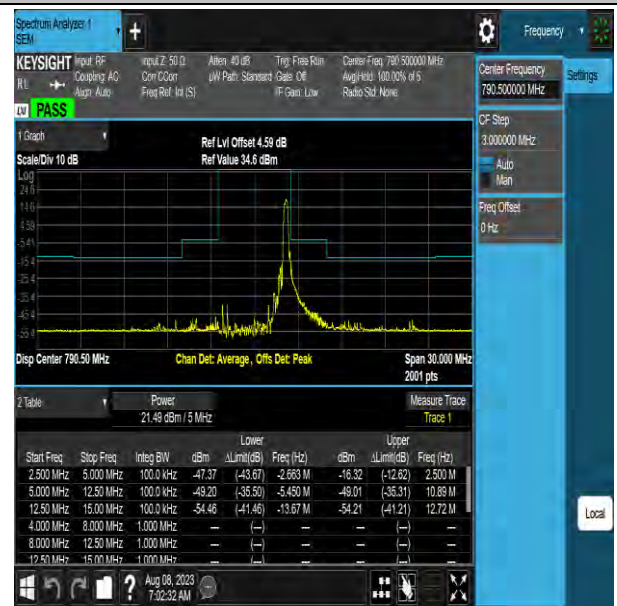
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PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#24-5.00-12.50-PASS



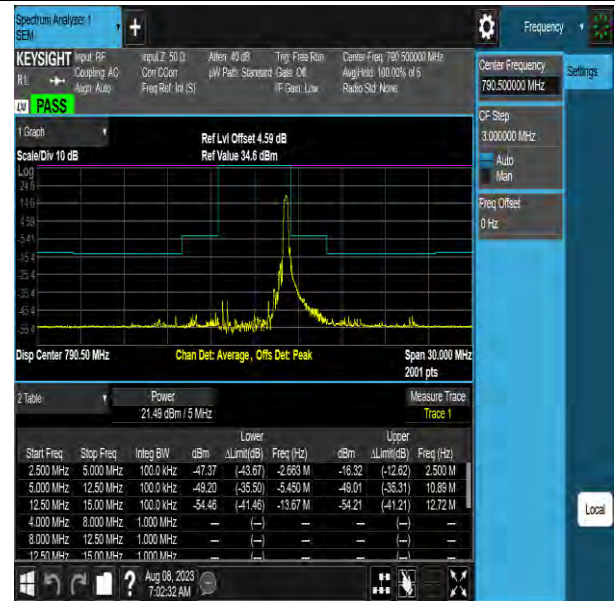
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PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#24-12.50-15.00-
PASS



NTNV-Band14-5MHz-64QAM-23305-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-64QAM-23305-1RB#24--2.50-2.50-PASS



NTNV-Band14-5MHz-64QAM-23305-1RB#24--12.50--5.00-PASS



NTNV-Band14-5MHz-64QAM-23305-1RB#24-5.00-12.50-PASS



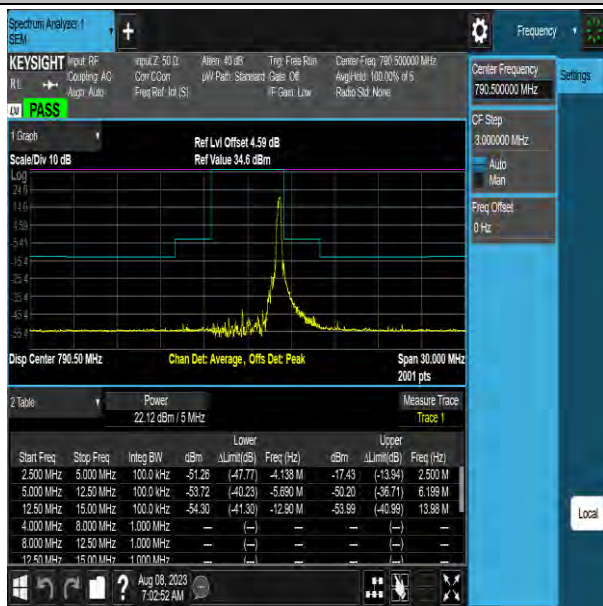
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PASS

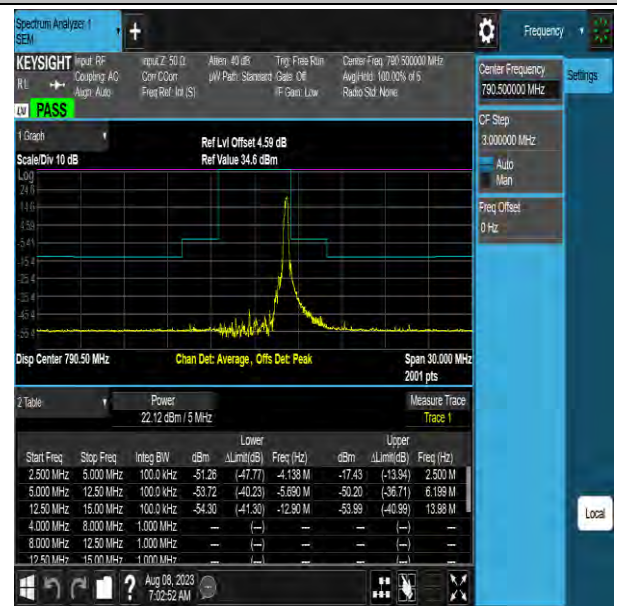


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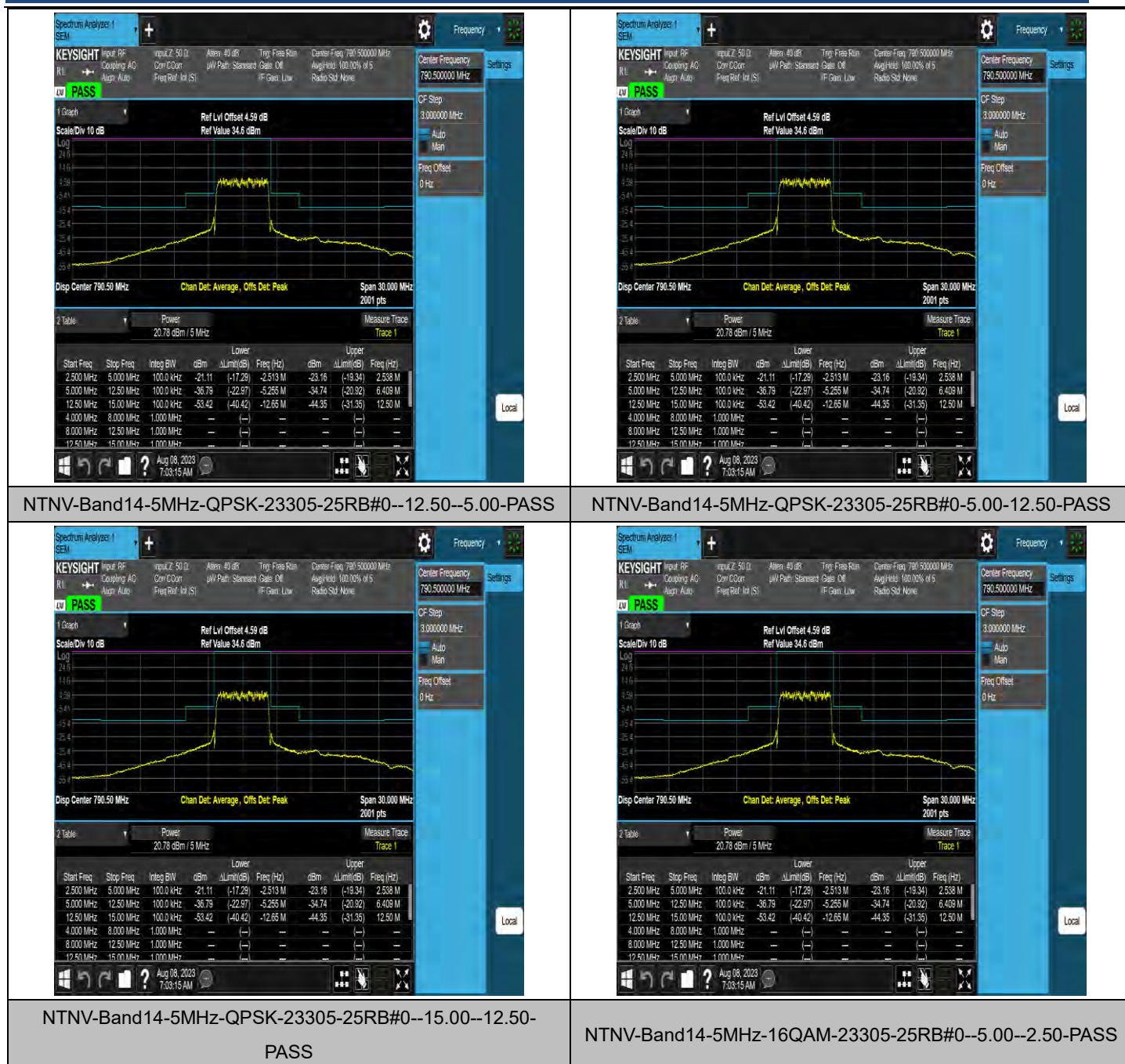
PASS



NTNV-Band14-5MHz-QPSK-23305-25RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23305-25RB#0-2.50-5.00-PASS





NTNV-Band14-5MHz-16QAM-23305-25RB#0-2.50-5.00-PASS

NTNV-Band14-5MHz-16QAM-23305-25RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23305-25RB#0-5.00-12.50-PASS

NTNV-Band14-5MHz-16QAM-23305-25RB#0--15.00--12.50-PASS



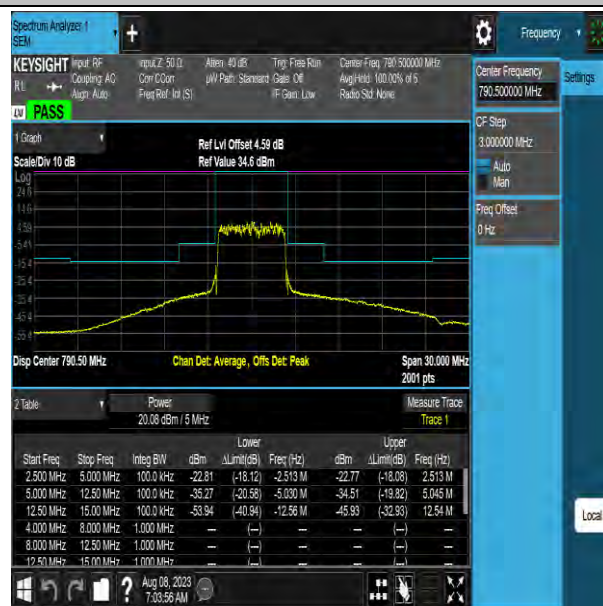
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NTNV-Band14-5MHz-64QAM-23305-25RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-64QAM-23305-25RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-64QAM-23305-25RB#0-5.00-12.50-PASS

NTNV-Band14-5MHz-64QAM-23305-25RB#0--15.00--12.50-PASS



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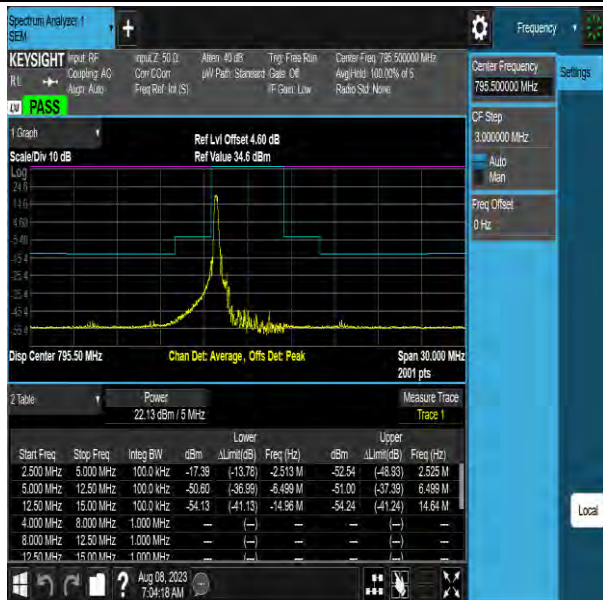
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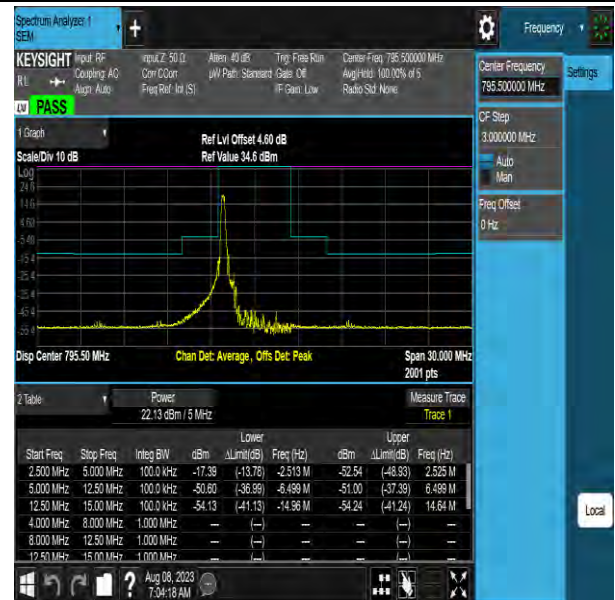
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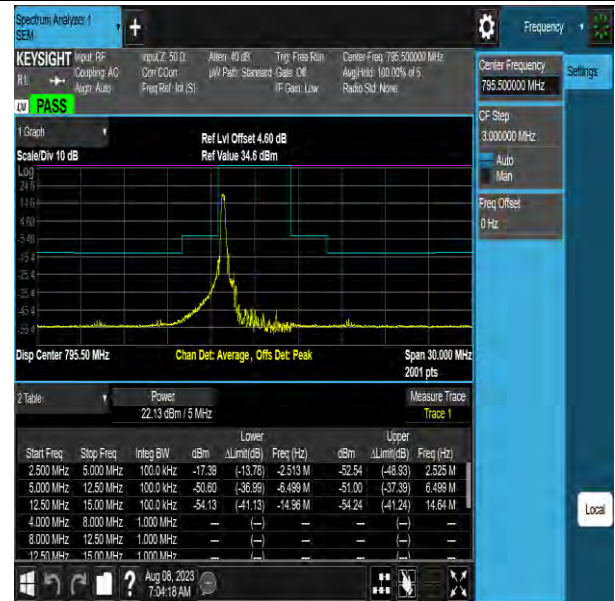
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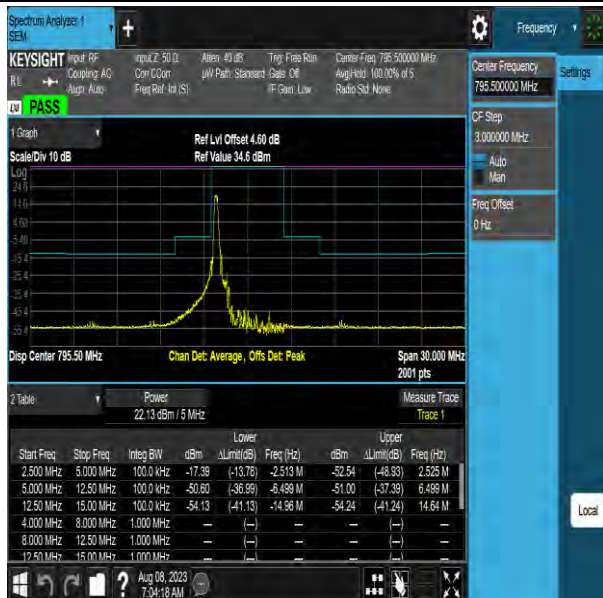


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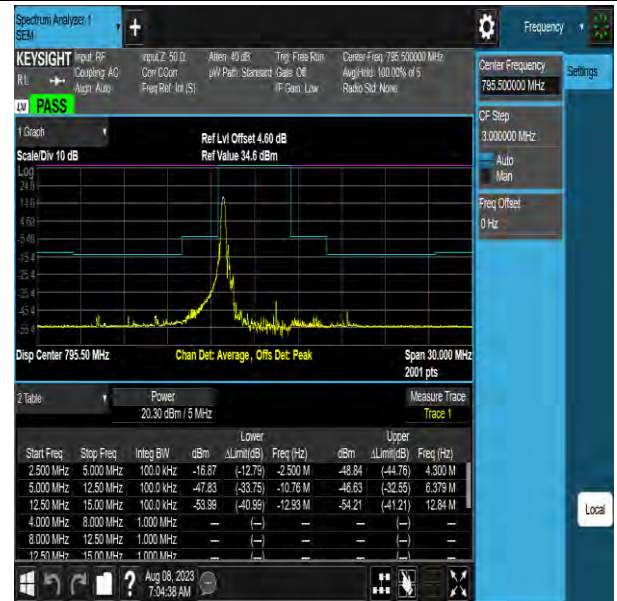
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NTNV-Band14-5MHz-16QAM-23355-1RB#0--5.00--2.50-PASS



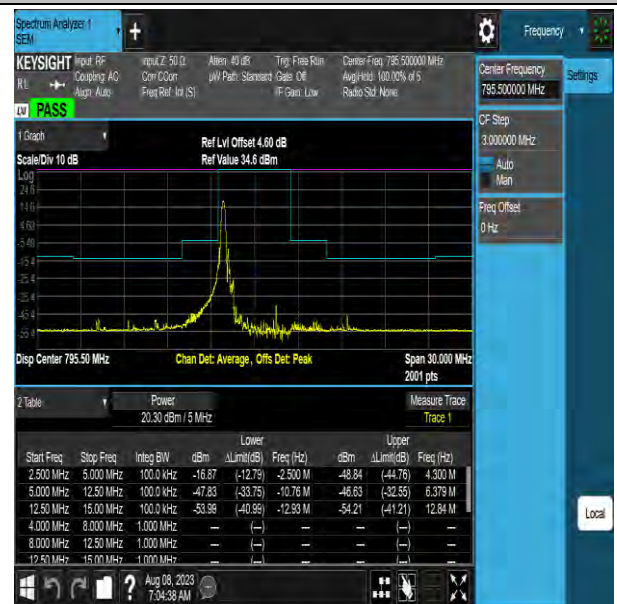
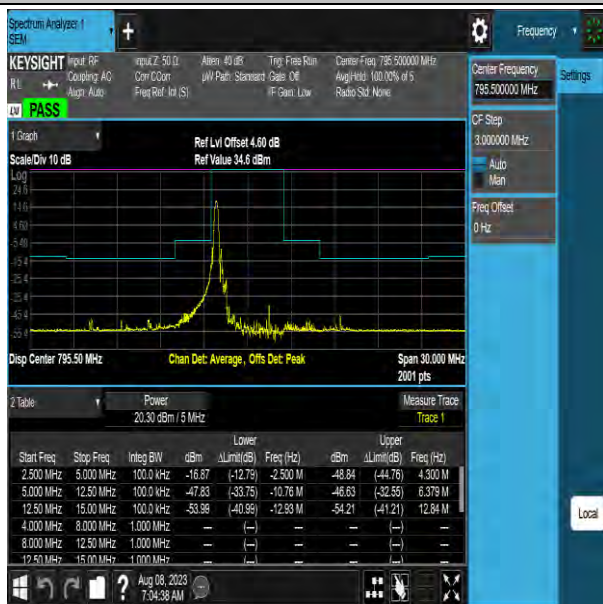
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NTNV-Band14-5MHz-16QAM-23355-1RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#0-5.00-12.50-PASS

NTNV-Band14-5MHz-16QAM-23355-1RB#0--15.00--12.50-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#0-12.50-15.00-PASS

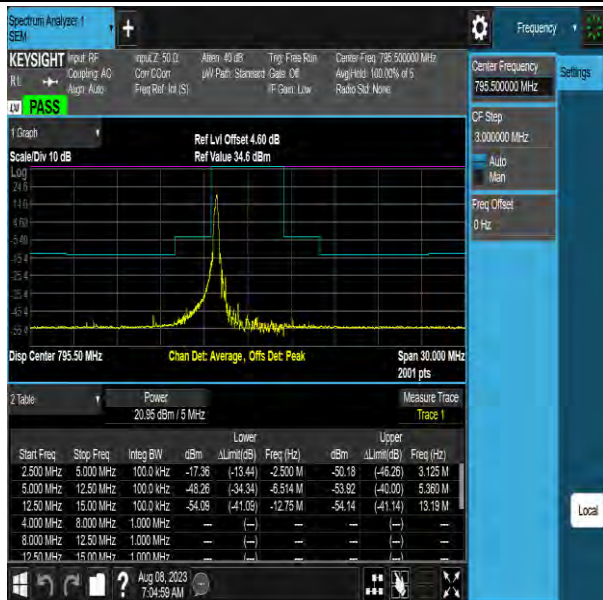
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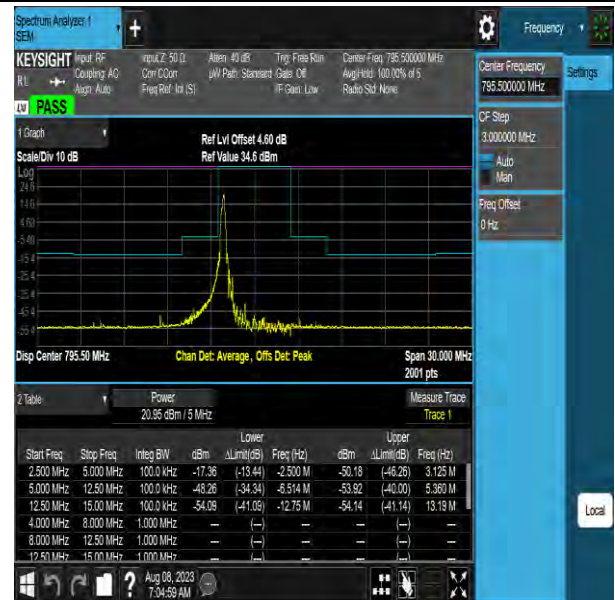
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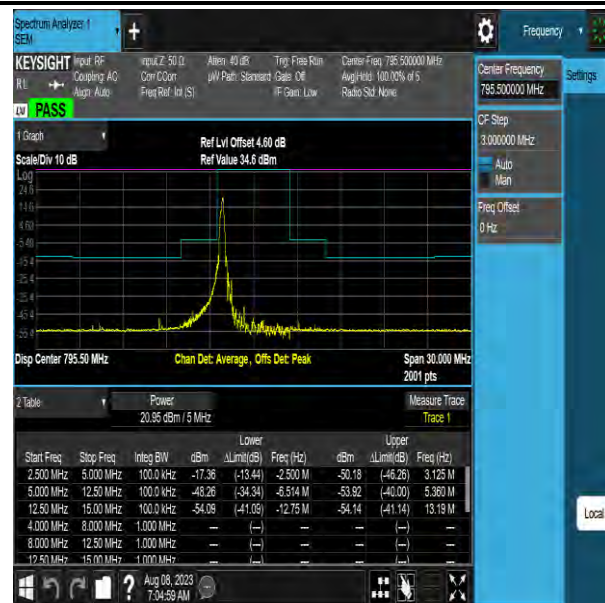
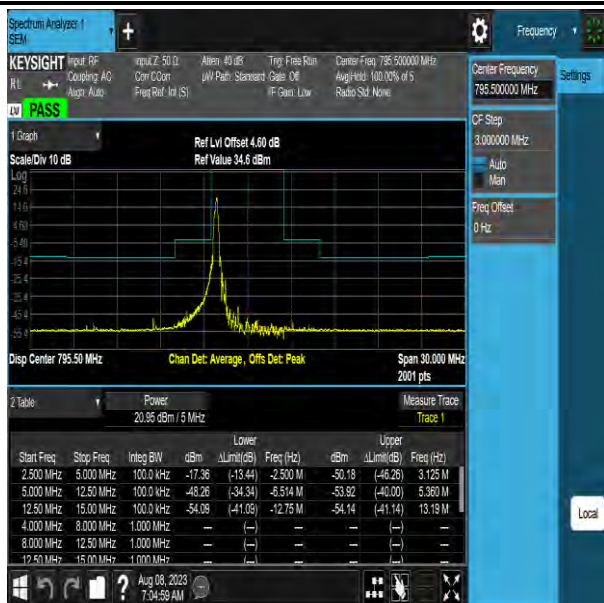
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NTNV-Band14-5MHz-64QAM-23355-1RB#0-5.00-12.50-PASS

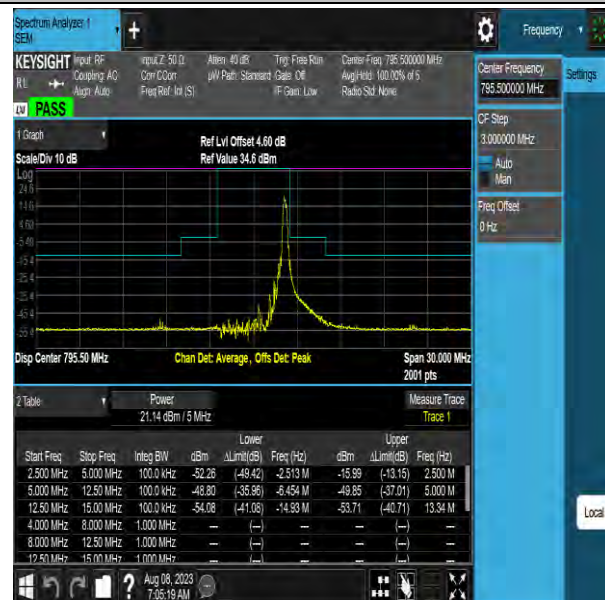
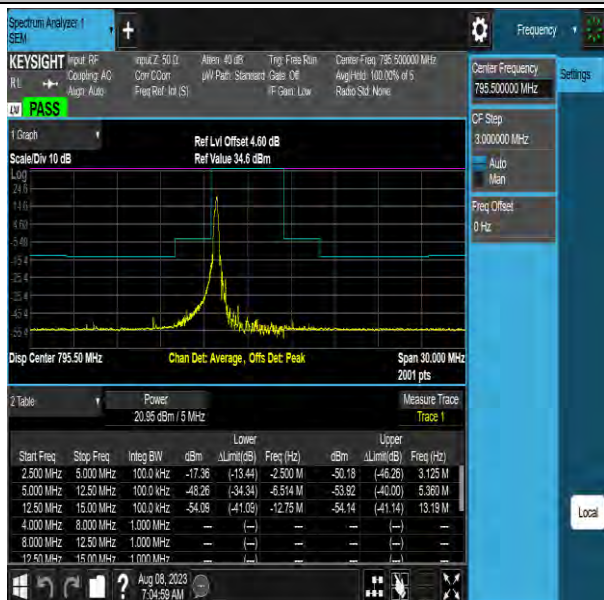


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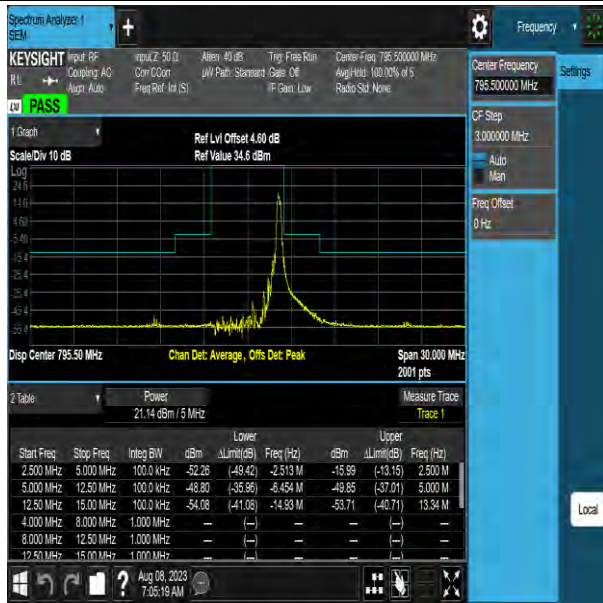
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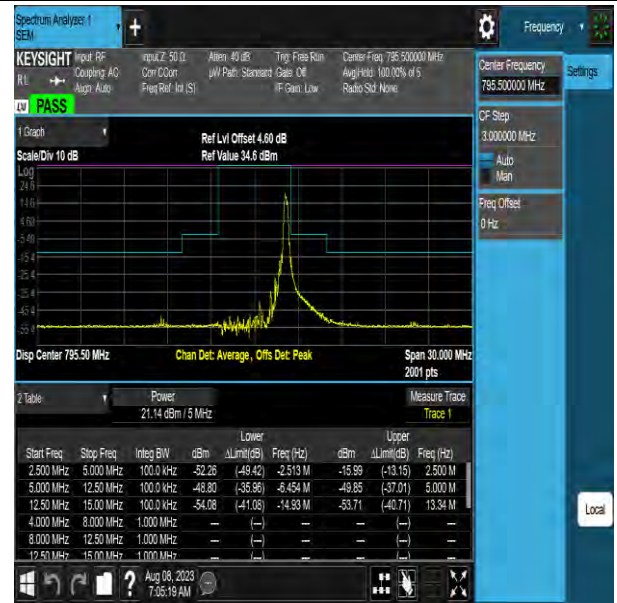


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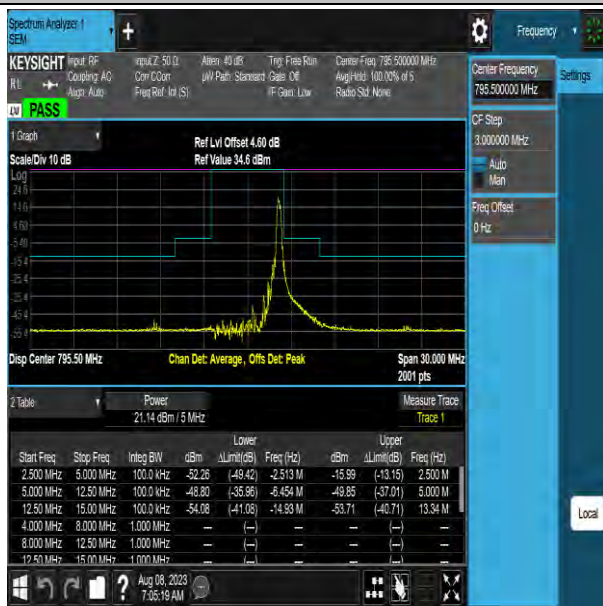
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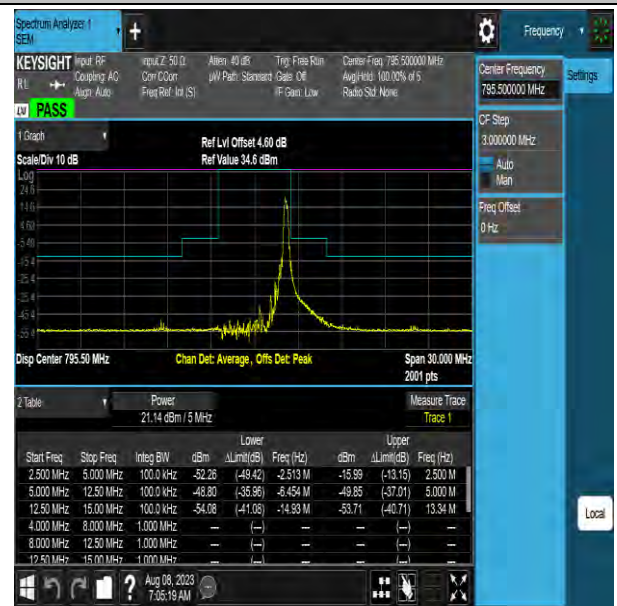
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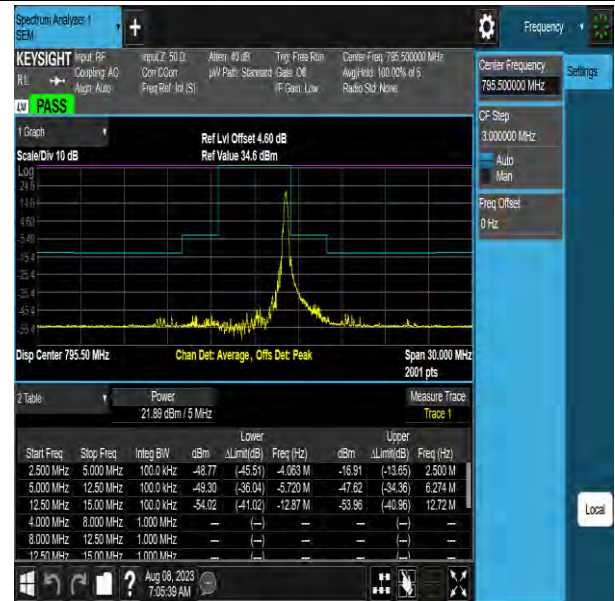
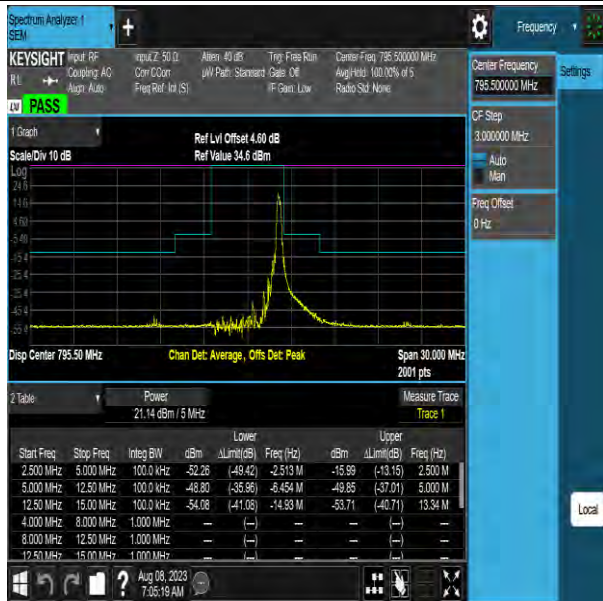
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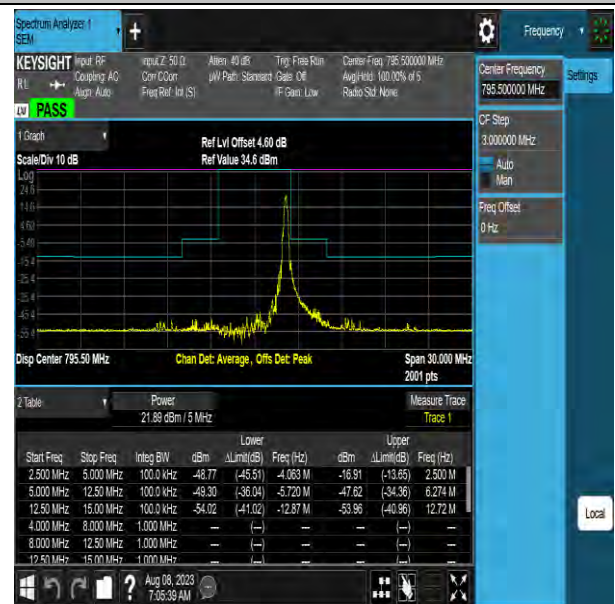
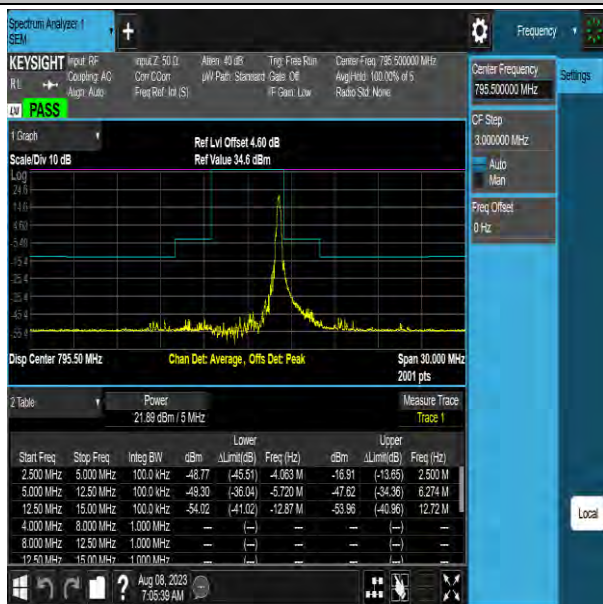


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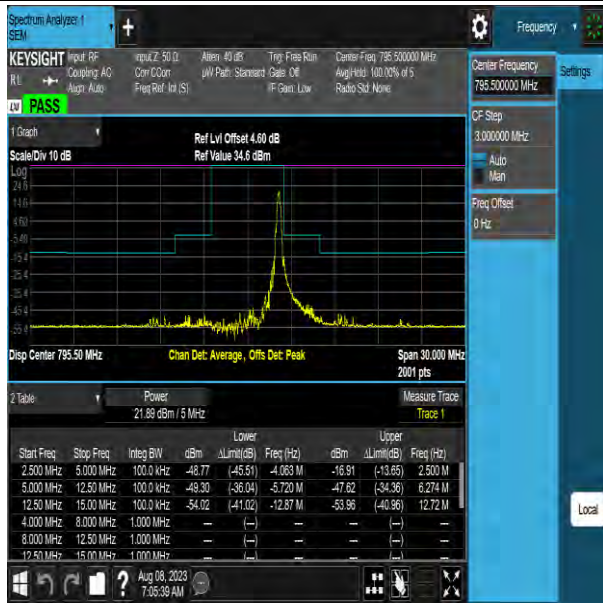
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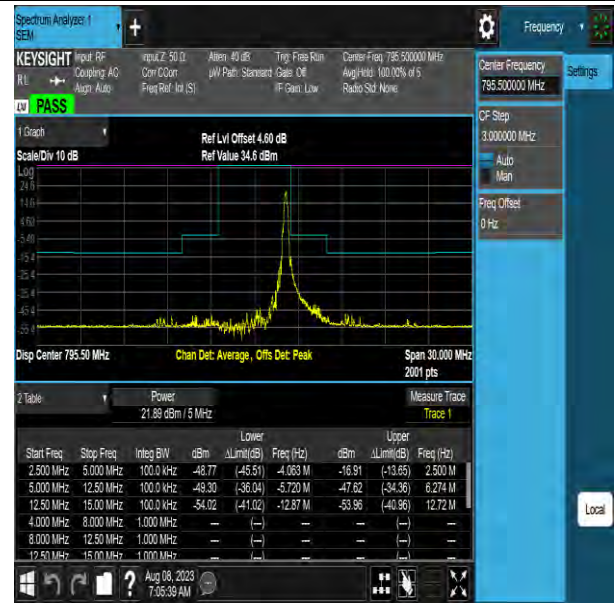


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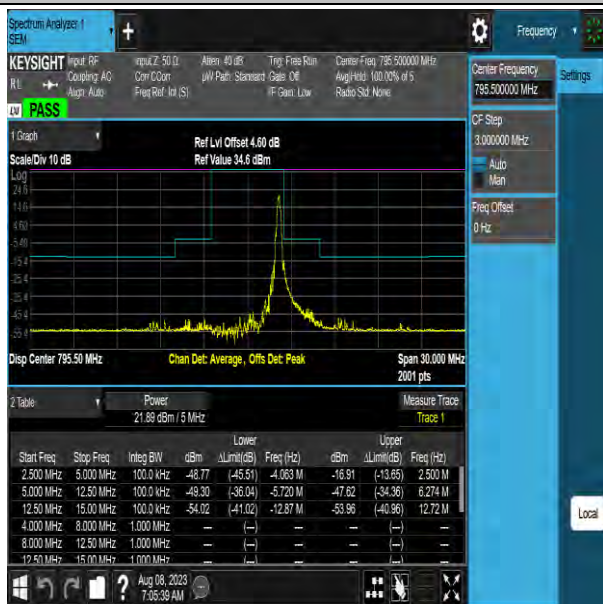
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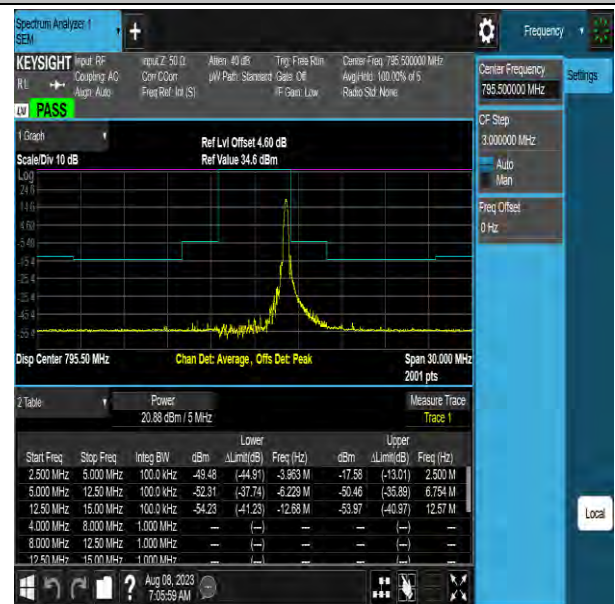
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PASS



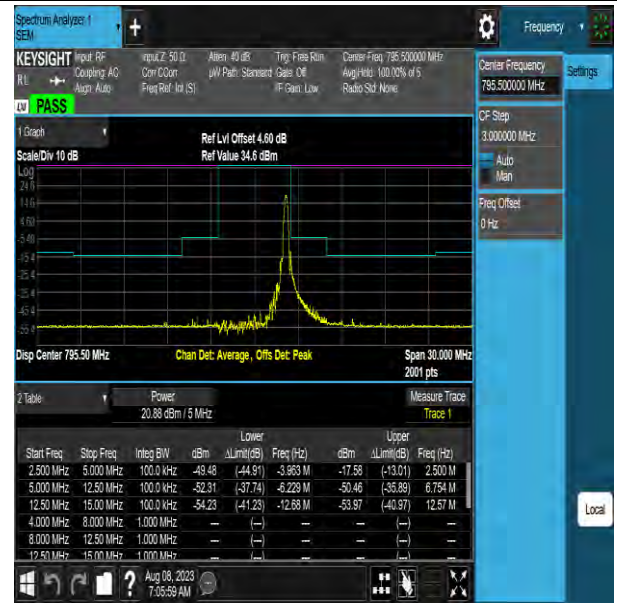
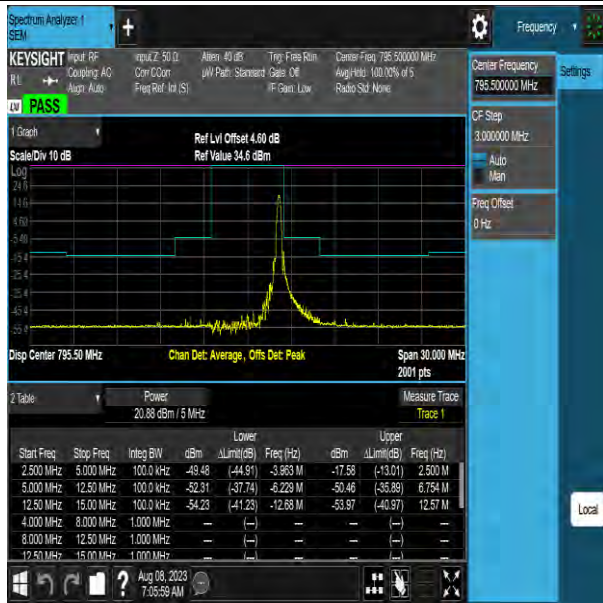
NTNV-Band14-5MHz-64QAM-23355-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-64QAM-23355-1RB#24--2.50-2.50-PASS

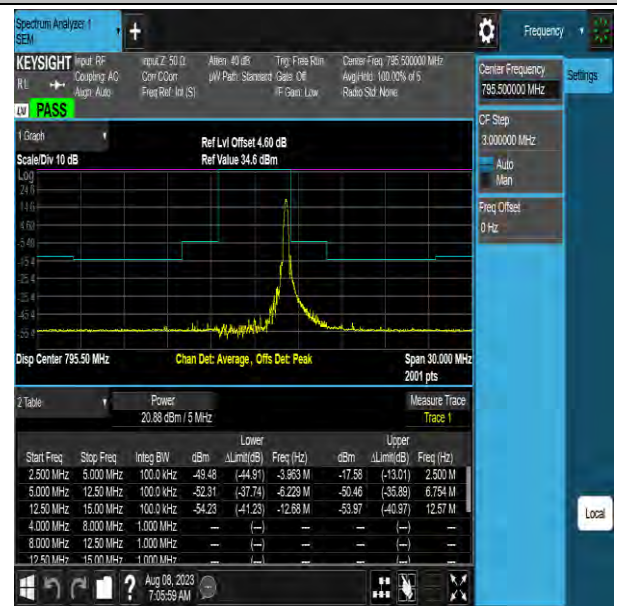
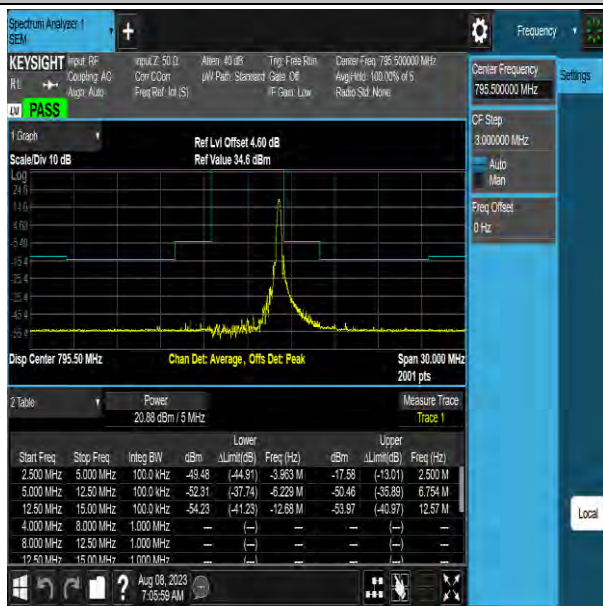


NTNV-Band14-5MHz-64QAM-23355-1RB#24--12.50--5.00-
PASS



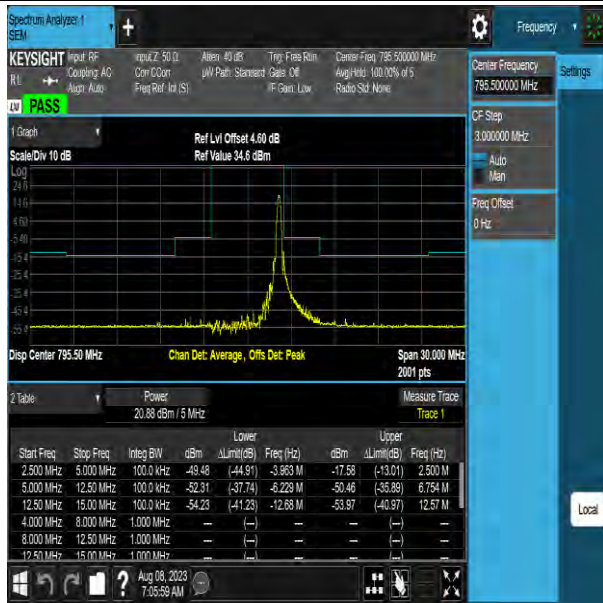
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NTNV-Band14-5MHz-64QAM-23355-1RB#24--15.00--12.50-PASS



NTNV-Band14-5MHz-64QAM-23355-1RB#24-12.50-15.00-PASS

NTNV-Band14-5MHz-QPSK-23355-25RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23355-25RB#0--2.50-2.50-PASS



NTNV-Band14-5MHz-QPSK-23355-25RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-QPSK-23355-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23355-25RB#0--15.00--12.50-PASS



NTNV-Band14-5MHz-QPSK-23355-25RB#0-12.50-15.00-PASS

NTNV-Band14-5MHz-16QAM-23355-25RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-16QAM-23355-25RB#0--2.50-2.50-PASS

NTNV-Band14-5MHz-16QAM-23355-25RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23355-25RB#0-5.00-12.50-PASS

NTNV-Band14-5MHz-16QAM-23355-25RB#0--15.00--12.50-PASS



NTNV-Band14-5MHz-16QAM-23355-25RB#0-12.50-15.00-PASS

NTNV-Band14-5MHz-64QAM-23355-25RB#0--5.00--2.50-PASS



NTVN-Band14-5MHz-64QAM-23355-25RB#0--2.50-2.50-PASS

NTVN-Band14-5MHz-64QAM-23355-25RB#0--12.50--5.00-PASS



NTVN-Band14-5MHz-64QAM-23355-25RB#0-5.00-12.50-PASS

NTVN-Band14-5MHz-64QAM-23355-25RB#0--15.00--12.50-PASS



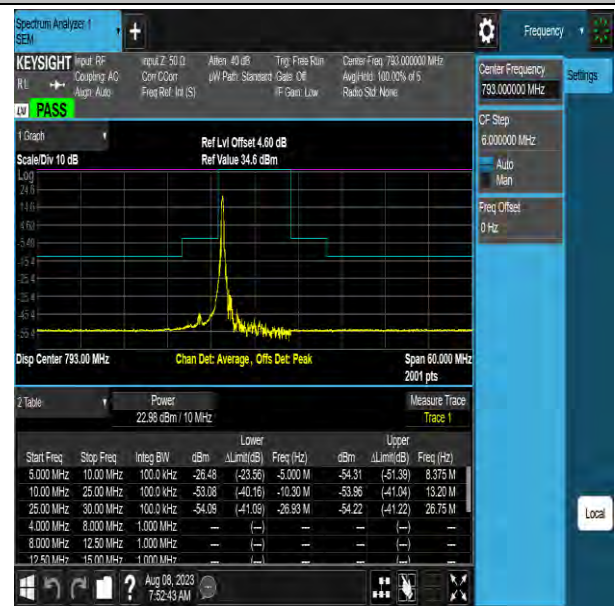
NTNV-Band14-5MHz-64QAM-23355-25RB#0-12.50-15.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0-5.00-10.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0-10.00-25.00-PASS

NTNV-Band14-10MHz-QPSK-23330-1RB#0--30.00--25.00-
PASS



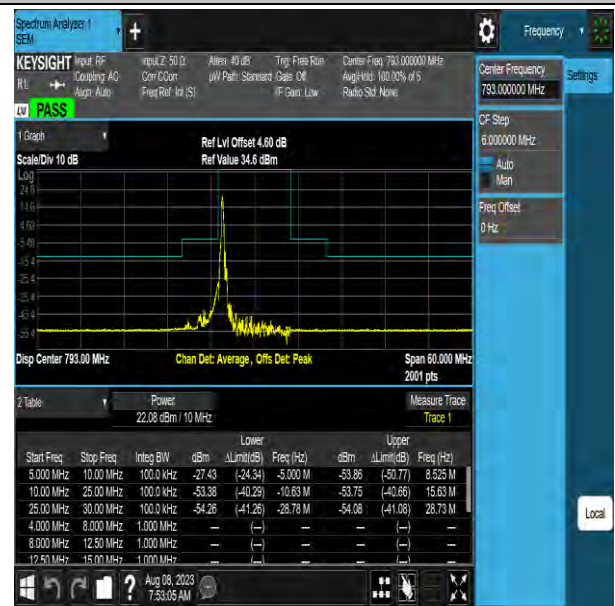
NTNV-Band14-10MHz-QPSK-23330-1RB#0-25.00-30.00-PASS

NTNV-Band14-10MHz-16QAM-23330-1RB#0--10.00--5.00-
PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-5.00-10.00-PASS

NTNV-Band14-10MHz-16QAM-23330-1RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-10.00-25.00-PASS

NTNV-Band14-10MHz-16QAM-23330-1RB#0--30.00--25.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-25.00-30.00-

PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#0--10.00--5.00-

PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#0-5.00-10.00-PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#0--25.00--10.00-

PASS



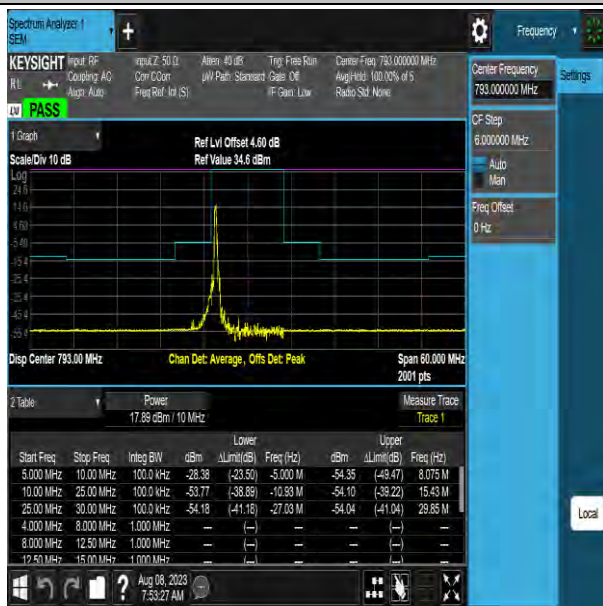
NTNV-Band14-10MHz-64QAM-23330-1RB#0-10.00-25.00-

PASS



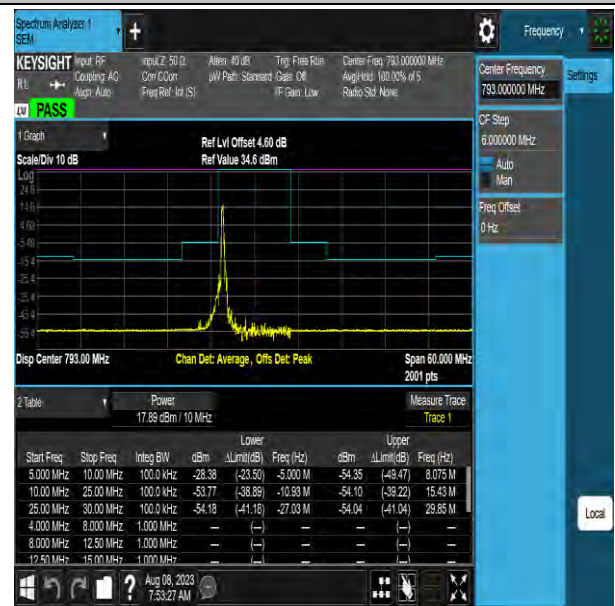
NTNV-Band14-10MHz-64QAM-23330-1RB#0--30.00--25.00-

PASS



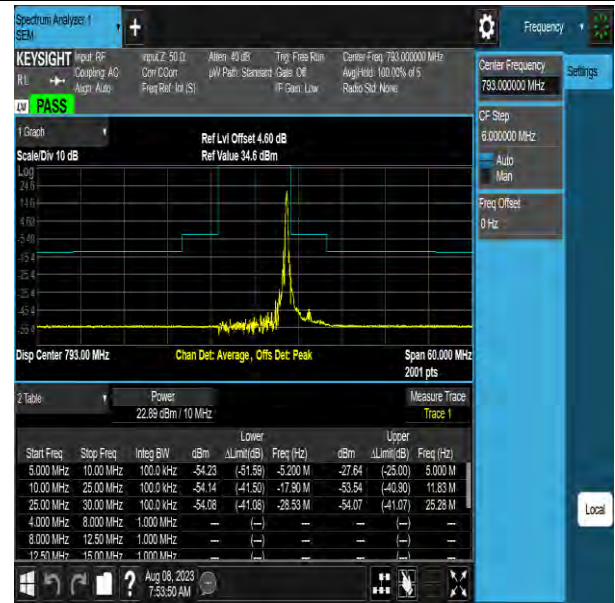
NTNV-Band14-10MHz-64QAM-23330-1RB#0-25.00-30.00-

PASS



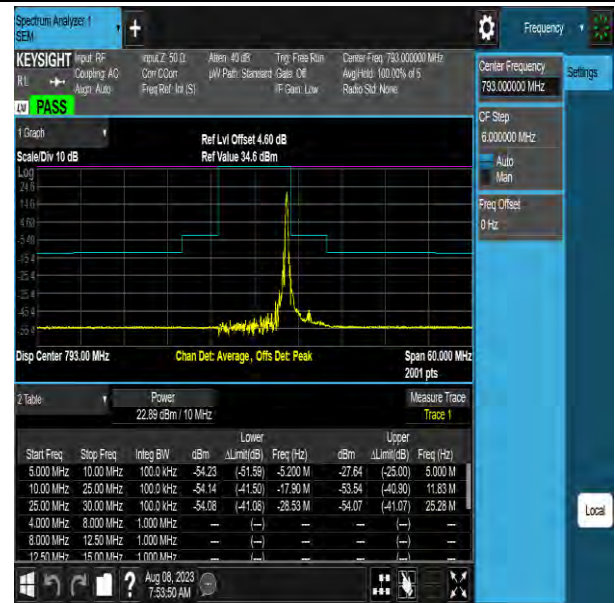
NTNV-Band14-10MHz-QPSK-23330-1RB#49--10.00--5.00-

PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#49--5.00-5.00-PASS

NTNV-Band14-10MHz-QPSK-23330-1RB#49--25.00--10.00-PASS

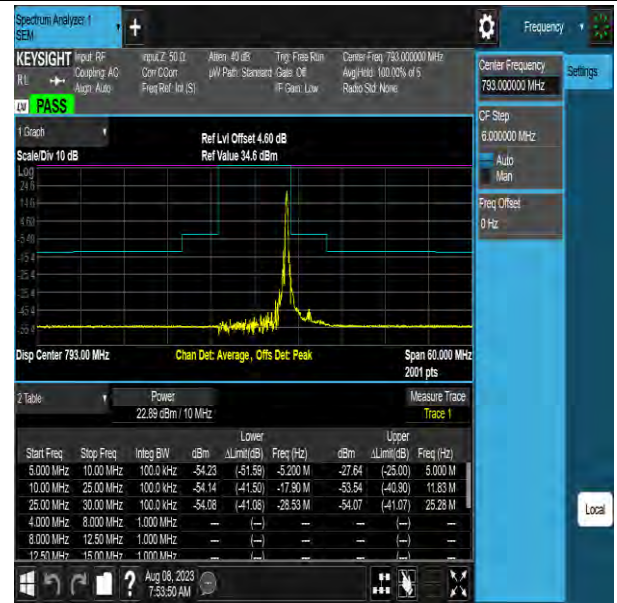


NTNV-Band14-10MHz-QPSK-23330-1RB#49-10.00-25.00-PASS

NTNV-Band14-10MHz-QPSK-23330-1RB#49--30.00--25.00-PASS



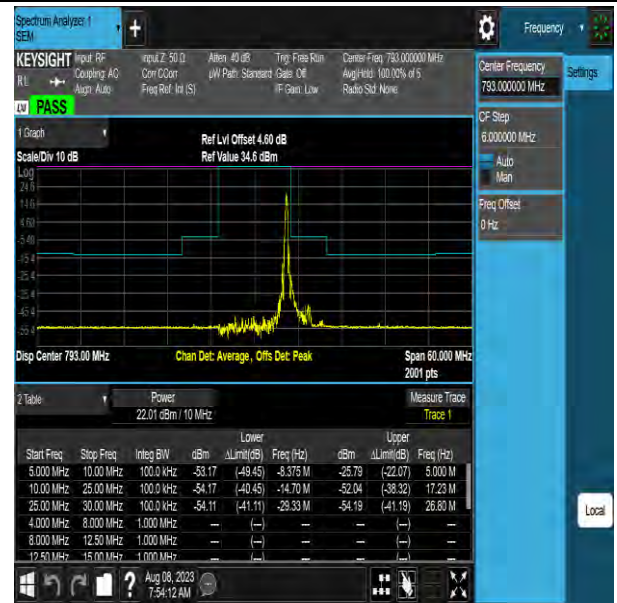
NTNV-Band14-10MHz-QPSK-23330-1RB#49-25.00-30.00-
PASS



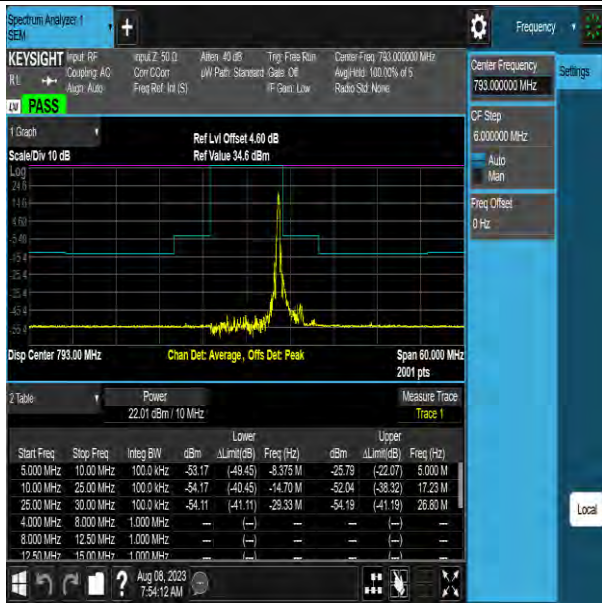
NTNV-Band14-10MHz-16QAM-23330-1RB#49--10.00--5.00-
PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#49--5.00-5.00-PASS

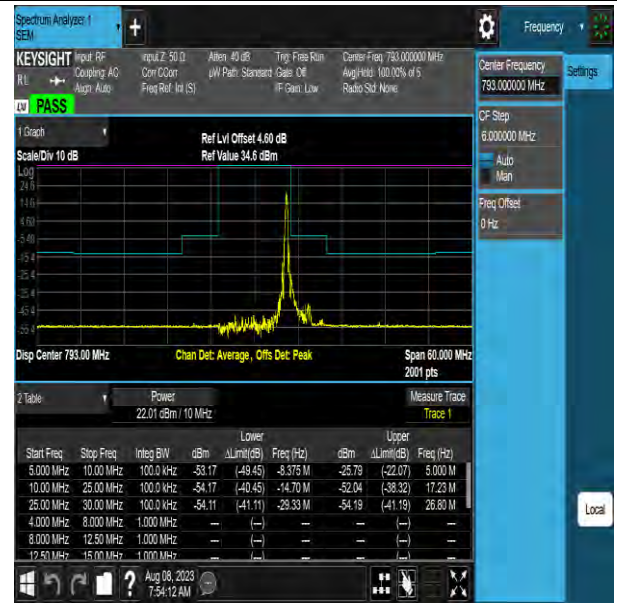


NTNV-Band14-10MHz-16QAM-23330-1RB#49--25.00--10.00-
PASS



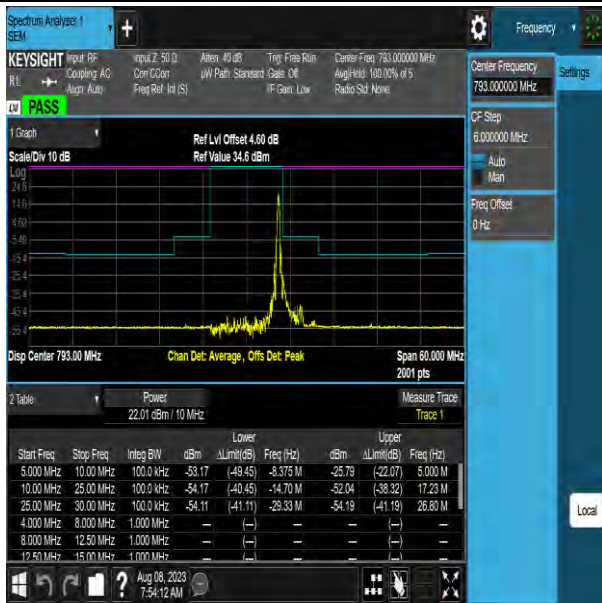
NTNV-Band14-10MHz-16QAM-23330-1RB#49-10.00-25.00-

PASS



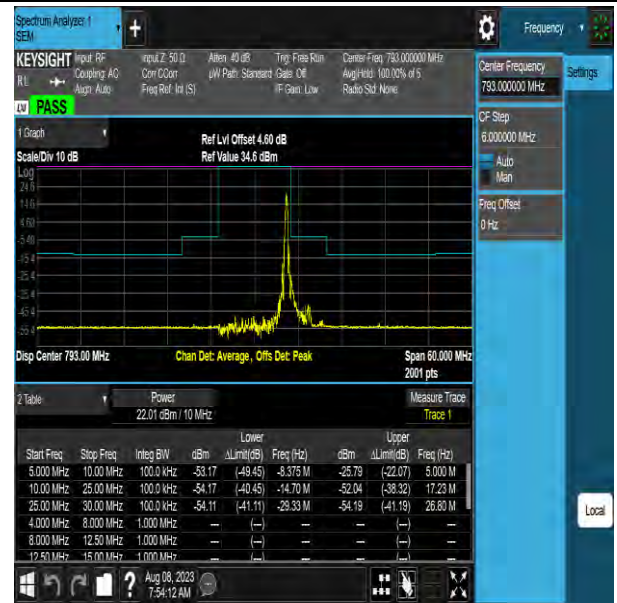
NTNV-Band14-10MHz-16QAM-23330-1RB#49--30.00--25.00-

PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#49-25.00-30.00-

PASS

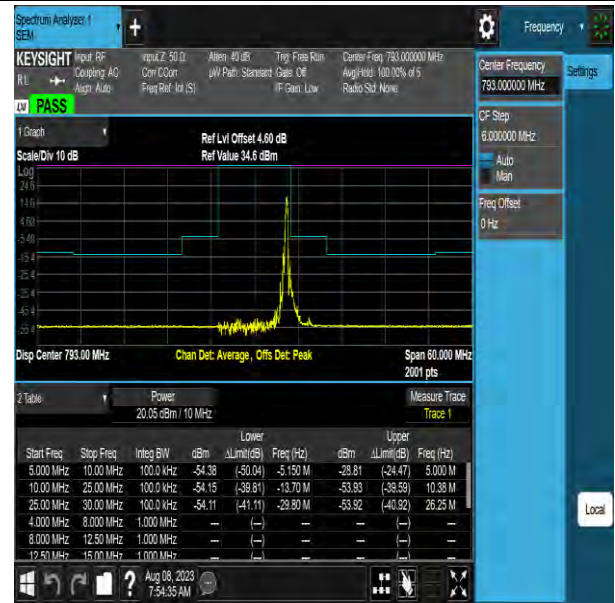


NTNV-Band14-10MHz-64QAM-23330-1RB#49--10.00--5.00-

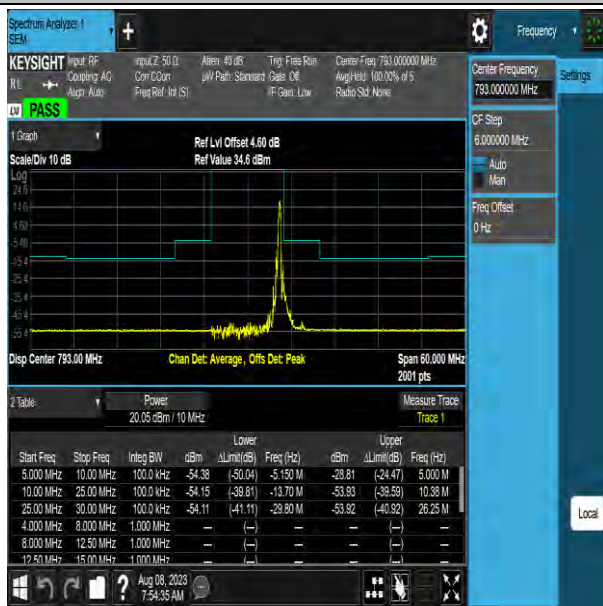
PASS



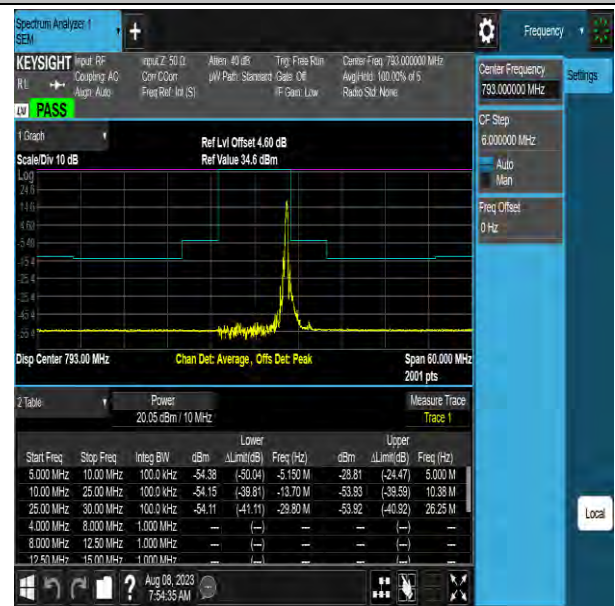
NTNV-Band14-10MHz-64QAM-23330-1RB#49--5.00-5.00-PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#49--25.00--10.00-PASS



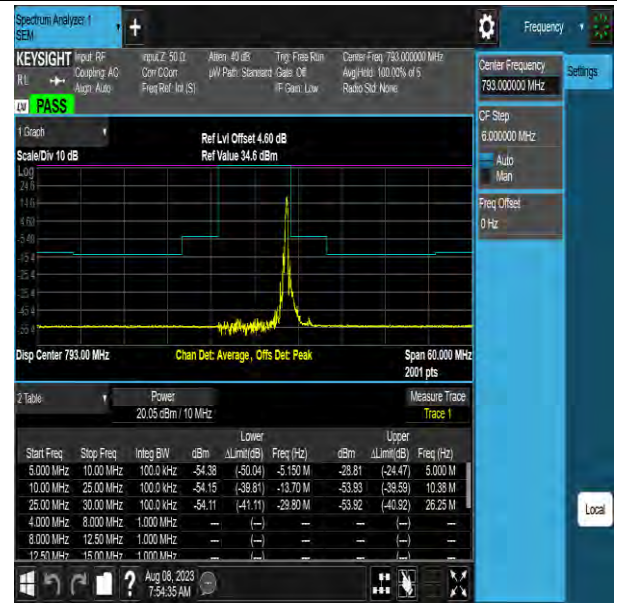
NTNV-Band14-10MHz-64QAM-23330-1RB#49-10.00-25.00-PASS



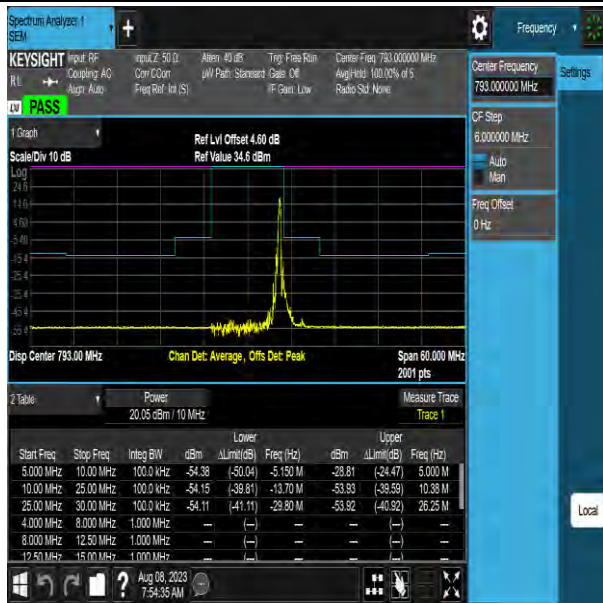
NTNV-Band14-10MHz-64QAM-23330-1RB#49--30.00--25.00-PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#49-25.00-30.00-
PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0--10.00--5.00-
PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0--5.00-5.00-PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0--25.00--10.00-
PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0-10.00-25.00-

PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0--30.00--25.00-

PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0-25.00-30.00-

PASS



NTNV-Band14-10MHz-16QAM-23330-50RB#0--10.00--5.00-

PASS



NTVN-Band14-10MHz-16QAM-23330-50RB#0--5.00-5.00-PASS



NTVN-Band14-10MHz-16QAM-23330-50RB#0--25.00--10.00-PASS



NTVN-Band14-10MHz-16QAM-23330-50RB#0-5.00-10.00-PASS



NTVN-Band14-10MHz-16QAM-23330-50RB#0--30.00--25.00-PASS



NTNV-Band14-10MHz-16QAM-23330-50RB#0-25.00-30.00-
PASS



NTNV-Band14-10MHz-64QAM-23330-50RB#0--10.00--5.00-
PASS



NTNV-Band14-10MHz-64QAM-23330-50RB#0--5.00-5.00-PASS



NTNV-Band14-10MHz-64QAM-23330-50RB#0--25.00--10.00-
PASS



NTNV-Band14-10MHz-64QAM-23330-50RB#0-5.00-10.00-

PASS



NTNV-Band14-10MHz-64QAM-23330-50RB#0--30.00--25.00-

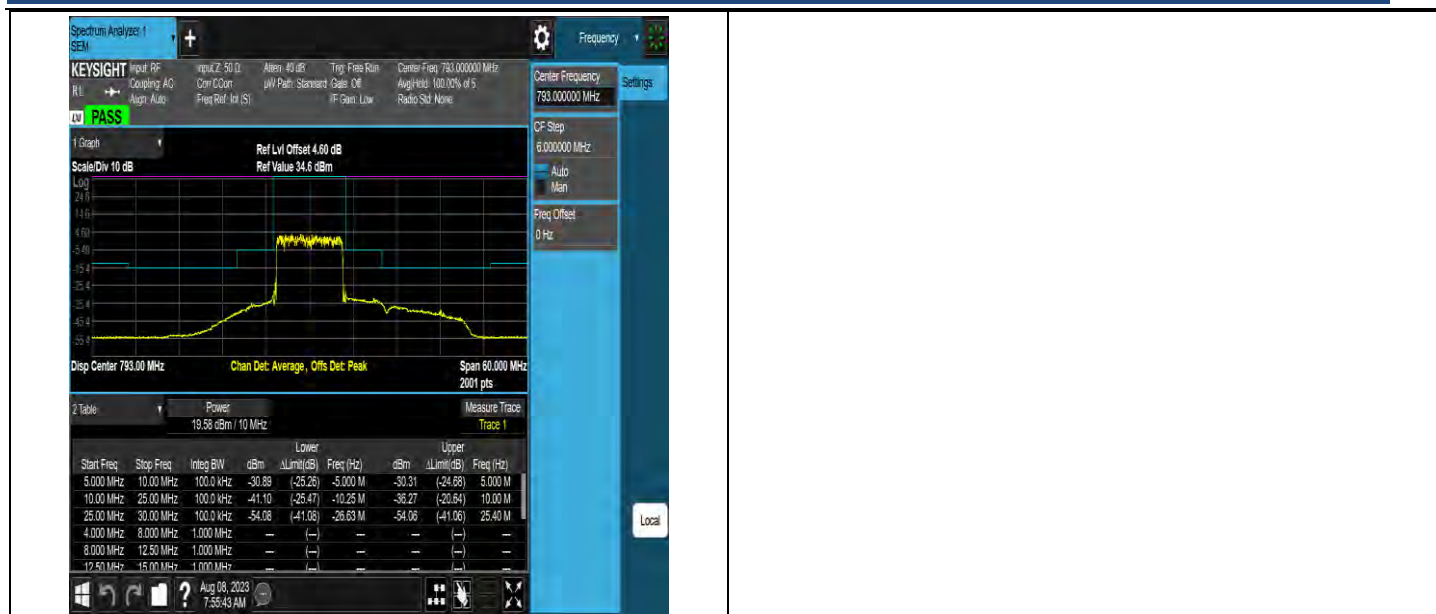
PASS



NTNV-Band14-10MHz-64QAM-23330-50RB#0-25.00-30.00-

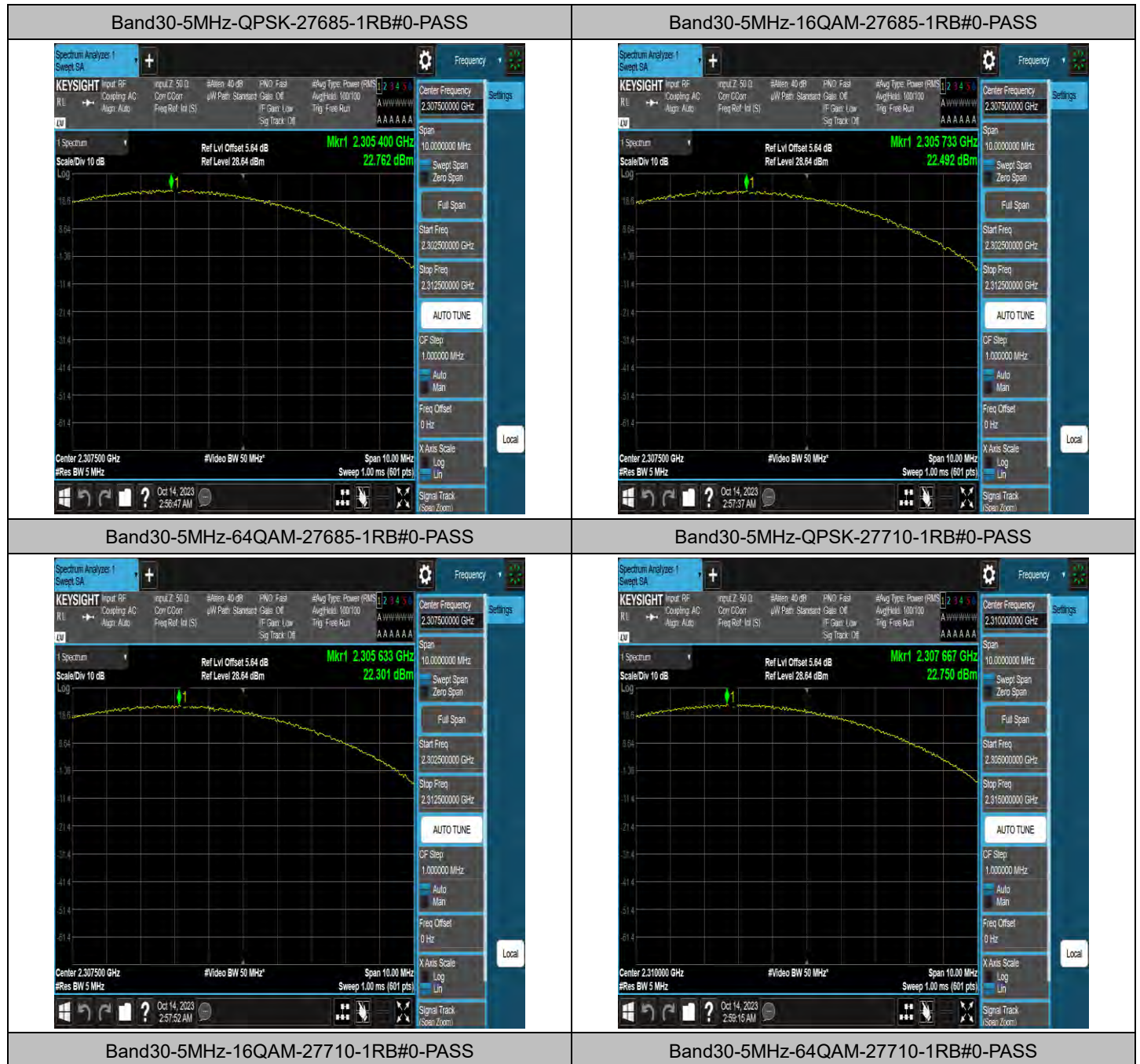
PASS

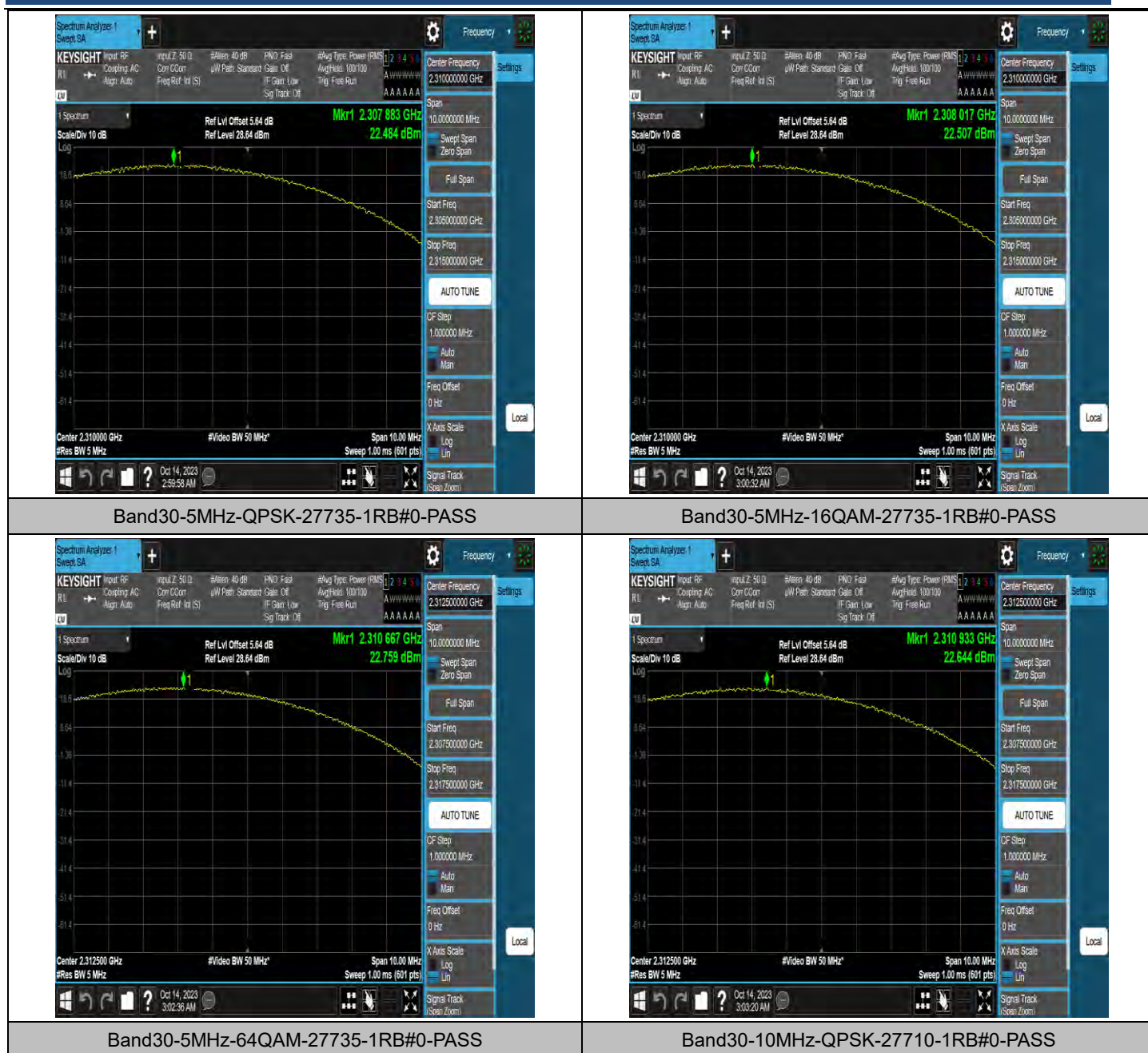


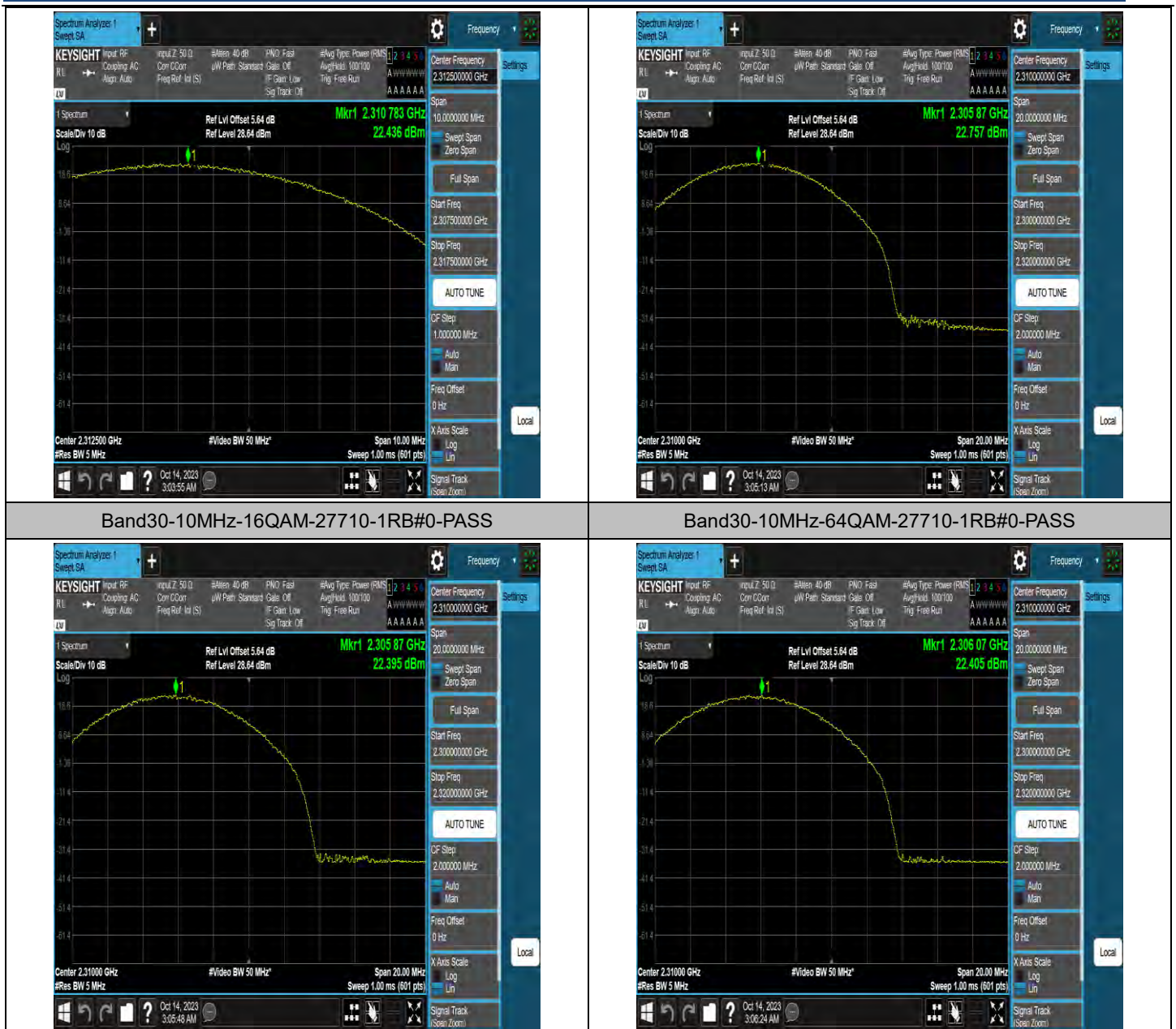


G: Maximum Power Spectral Density Data

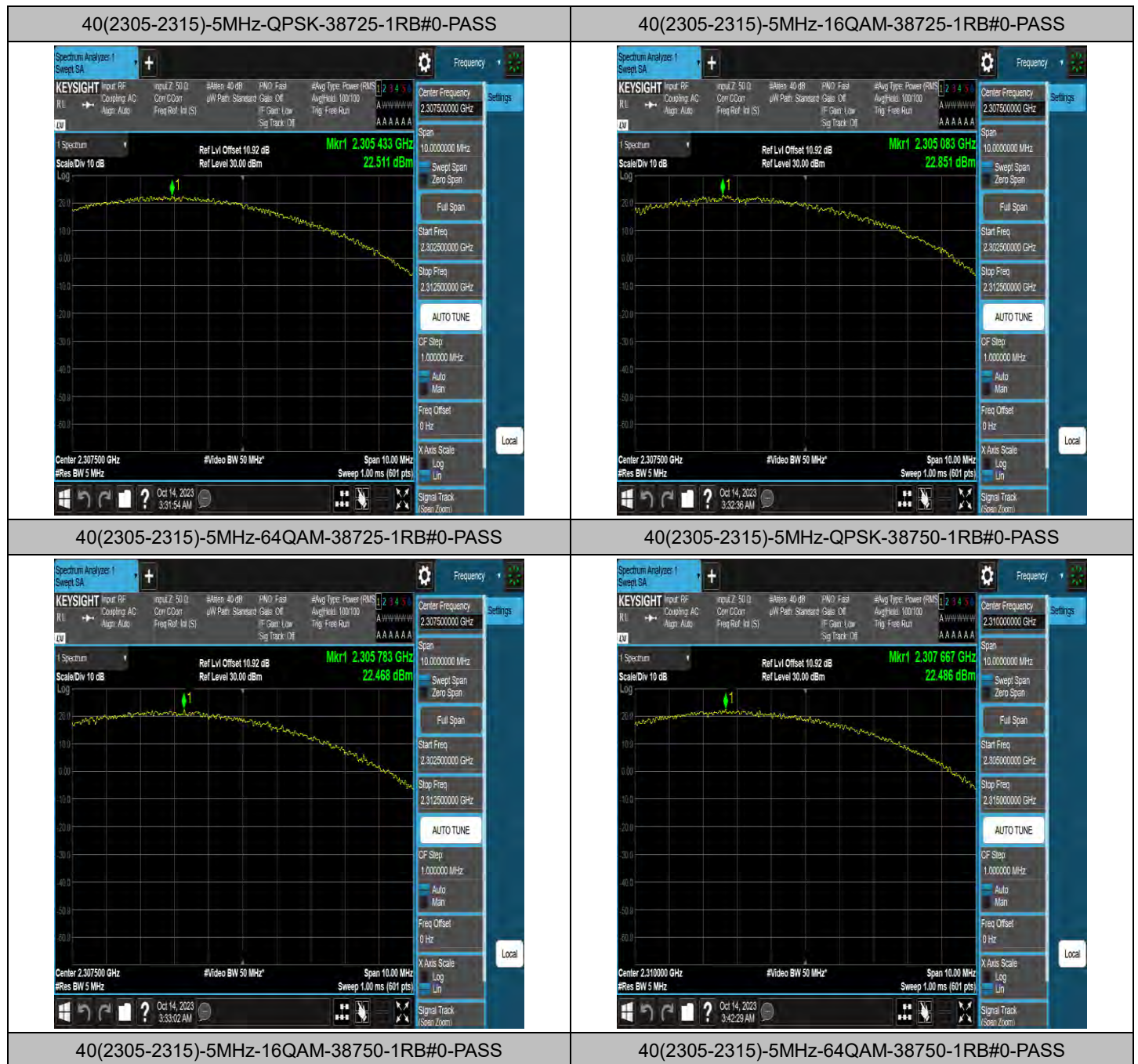
LTE Band 30 Test Graphs







LTE Band 40(2305-2315) Test Graphs





40(2305-2315)-5MHz-QPSK-38775-1RB#0-PASS



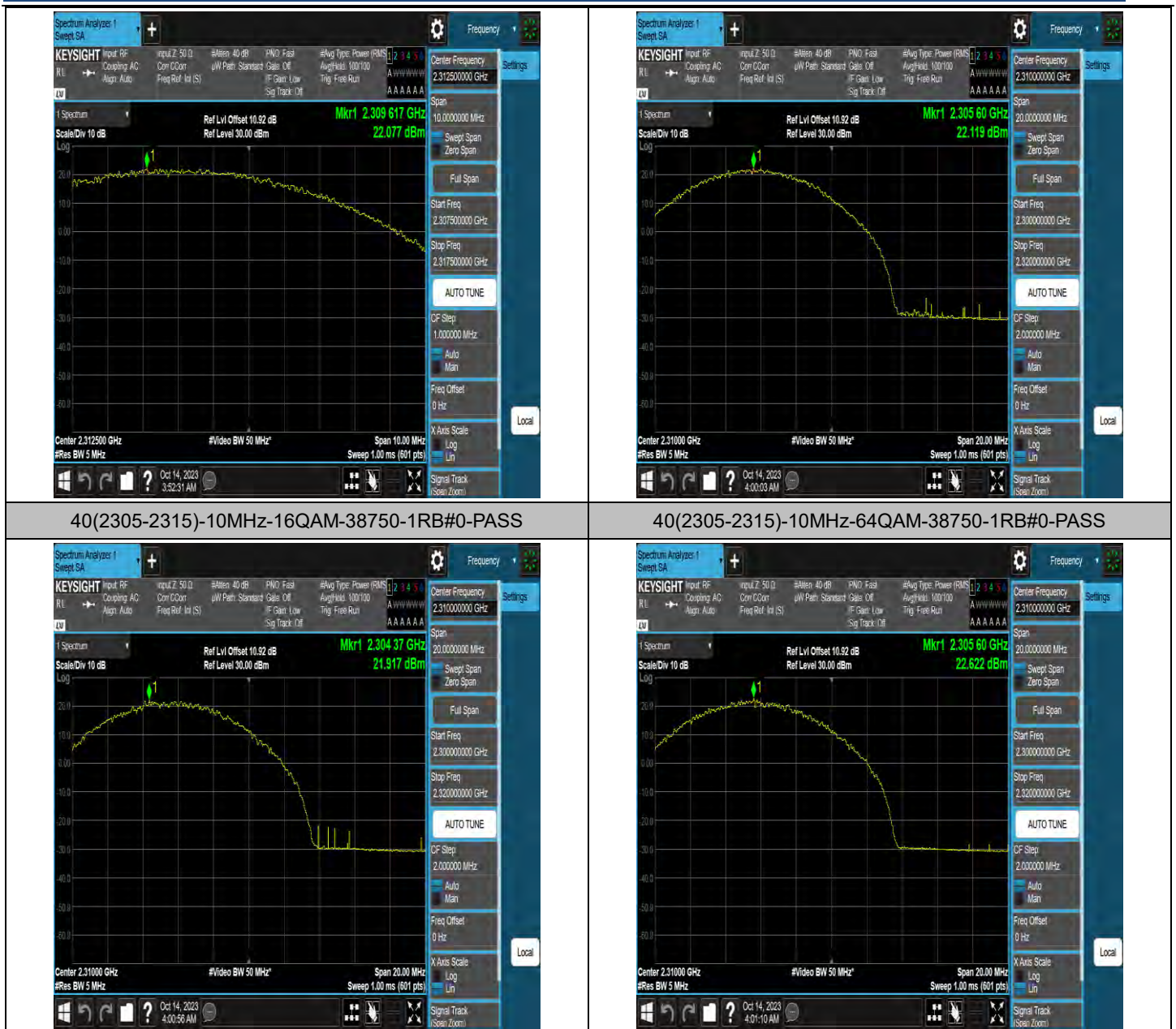
40(2305-2315)-5MHz-16QAM-38775-1RB#0-PASS



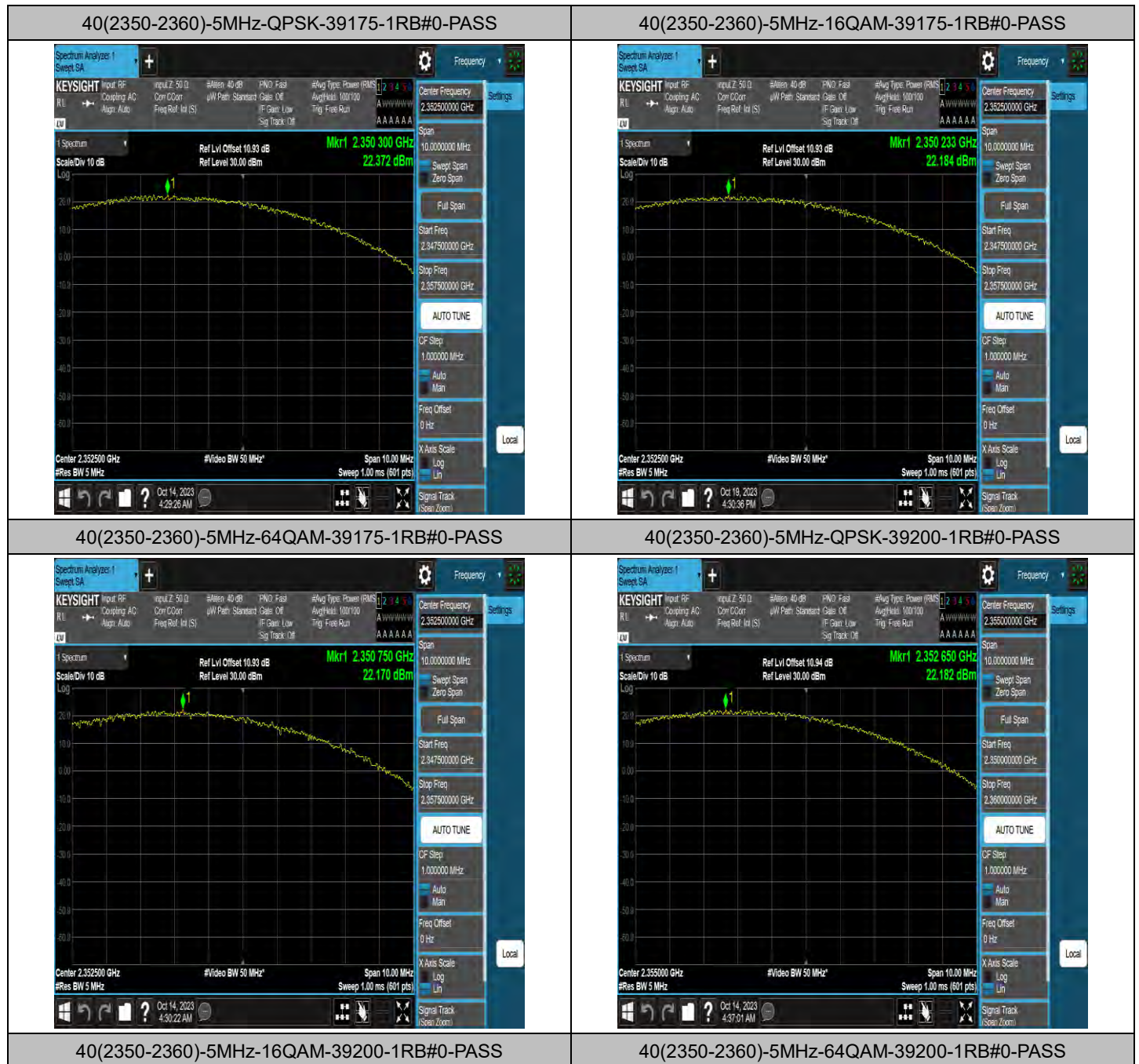
40(2305-2315)-5MHz-64QAM-38775-1RB#0-PASS



40(2305-2315)-10MHz-QPSK-38750-1RB#0-PASS



LTE Band 40(2350-2360) Test Graphs





40(2350-2360)-5MHz-QPSK-39225-1RB#0-PASS



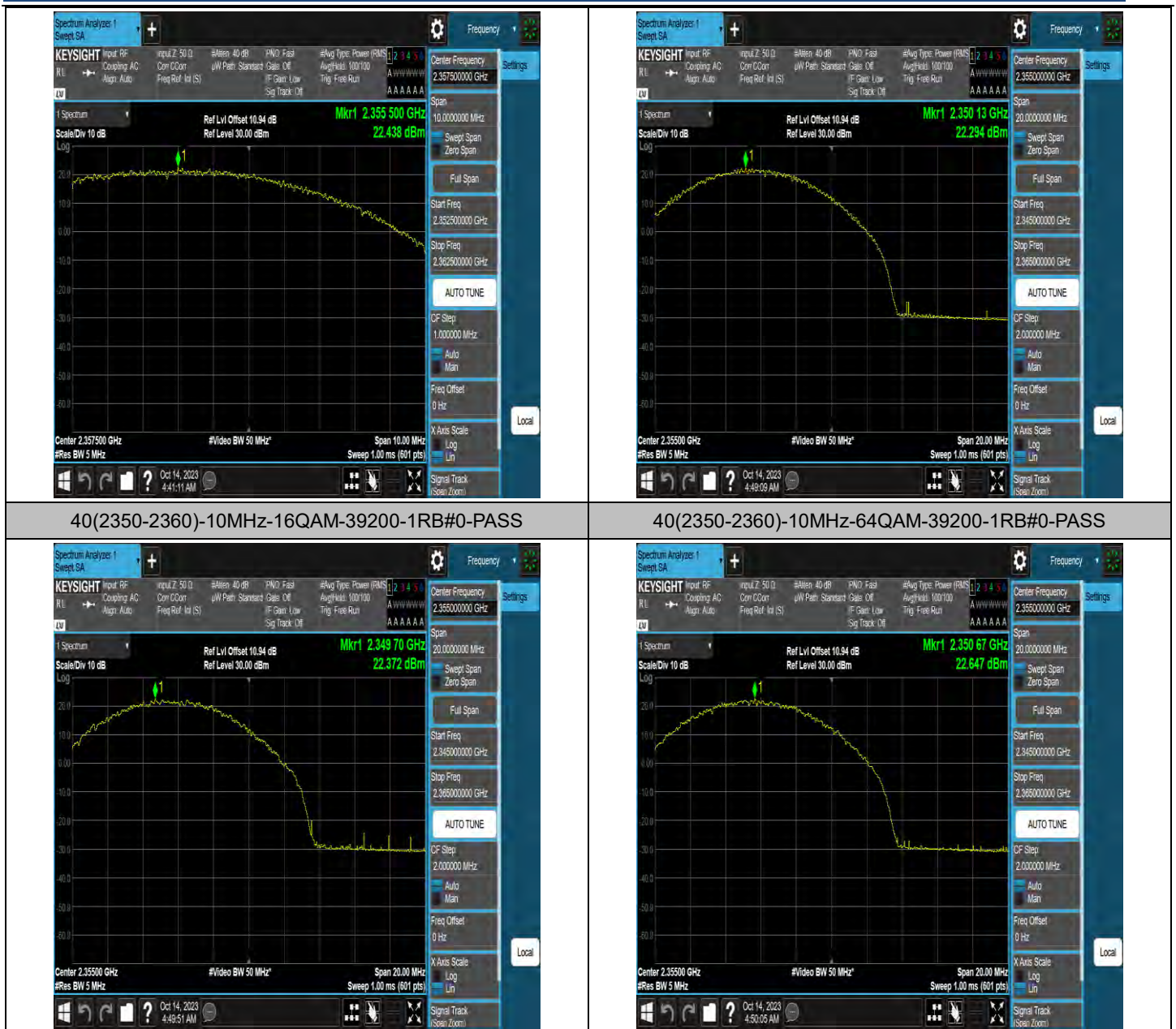
40(2350-2360)-5MHz-16QAM-39225-1RB#0-PASS



40(2350-2360)-5MHz-64QAM-39225-1RB#0-PASS



40(2350-2360)-10MHz-QPSK-39200-1RB#0-PASS



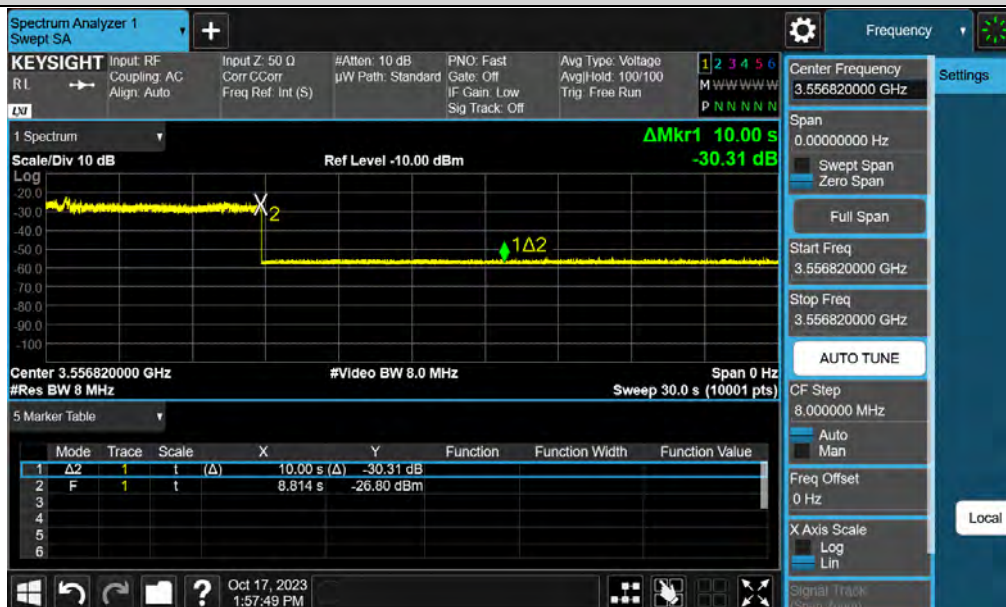
I: CBRS

LTE Band 48 Test Graphs

Band48-5MHz-CH55265_Power=10dBm



Band48-5MHz-CH55265_Idle With 10s



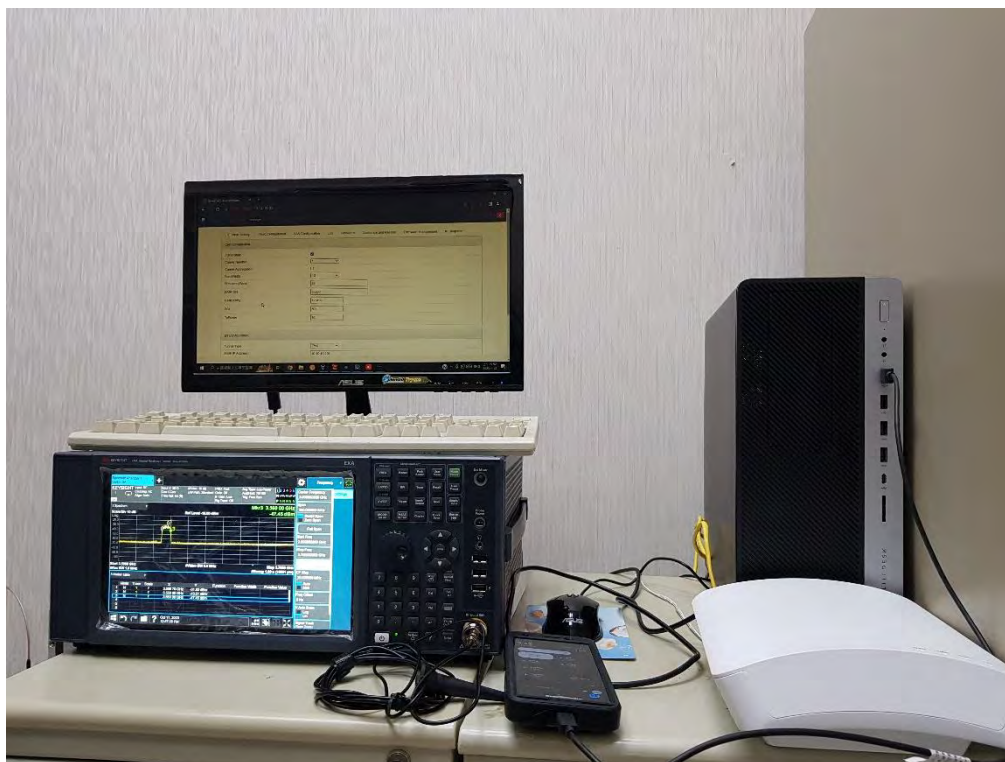
Band48-20MHz-CH56640_Power=15dBm



Band48-20MHz-CH56640_Idle With 10s



Setup Photo



J: Frequency Stability

Test Result

Voltage										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	10MHz	QPSK	18900	50RB#0	VN	NT	-0.30	-0.000160	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VL	NT	-4.90	-0.002606	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VH	NT	3.70	0.001968	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	2.80	0.001616	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	1.20	0.000693	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-2.00	-0.001154	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	1.40	0.001674	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.50	-0.002989	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-0.30	-0.000118	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	-1.00	-0.000394	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-0.80	-0.000316	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.60	-0.000848	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-2.30	-0.003251	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-1.10	-0.001407	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	0.30	0.000384	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	1.70	0.002174	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	3.80	0.004792	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	-2.30	-0.002900	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	3.30	0.004161	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	VN	NT	-2.30	-0.001222	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	VH	NT	-1.70	-0.000903	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	VN	NT	0.30	0.000366	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	VL	NT	0.80	0.000977	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	VH	NT	-0.50	-0.000611	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	VN	NT	0.50	0.000598	±2.5	PASS

26(824-849)	10MHz	QPSK	26915	50RB#0	VL	NT	-0.40	-0.000478	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	VH	NT	-0.70	-0.000837	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VN	NT	-1.60	-0.000693	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	-2.00	-0.000866	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-1.30	-0.000563	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VN	NT	-2.80	-0.001079	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VL	NT	-4.30	-0.001657	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	VH	NT	-0.60	-0.000231	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VN	NT	-5.30	-0.002294	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VL	NT	-7.00	-0.003030	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VH	NT	-4.40	-0.001905	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VN	NT	-11.40	-0.004841	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VL	NT	-7.80	-0.003312	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VH	NT	-11.30	-0.004798	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VN	NT	-4.20	-0.001620	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VL	NT	-1.40	-0.000540	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VH	NT	-4.90	-0.001890	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	VN	NT	-0.80	-0.000229	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	VL	NT	3.60	0.001029	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	VH	NT	2.90	0.000829	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	VN	NT	-1.80	-0.000503	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	VL	NT	-0.70	-0.000196	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	VH	NT	3.90	0.001091	±2.5	PASS
43(3600-3700)	10MHz	QPSK	44090	50RB#0	VN	NT	0.20	0.000055	±2.5	PASS
43(3600-3700)	10MHz	QPSK	44090	50RB#0	VL	NT	3.70	0.001014	±2.5	PASS

-3700)										
43(3600 -3700)	10MHz	QPSK	44090	50RB#0	VH	NT	0.60	0.000164	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	VN	NT	0.40	0.000110	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	VL	NT	-0.30	-0.000083	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	VH	NT	1.70	0.000469	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	VN	NT	-3.30	-0.001891	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	VL	NT	-0.80	-0.000458	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	VH	NT	-3.10	-0.001777	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	VL	NT	-0.80	-0.001176	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	VH	NT	0.20	0.000294	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	10MHz	QPSK	18900	50RB#0	NV	-30	3.70	0.001968	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	-20	-2.40	-0.001277	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	-10	-0.70	-0.000372	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	0	-1.20	-0.000638	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	10	-0.60	-0.000319	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	20	-1.30	-0.000691	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	40	-2.30	-0.001223	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	50	-2.50	-0.001330	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-7.90	-0.004560	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-3.30	-0.001905	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-2.50	-0.001443	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-2.40	-0.001385	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-3.10	-0.001789	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	2.70	0.001558	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	1.30	0.000750	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-4.90	-0.002828	±2.5	PASS

Band4	10MHz	QPSK	20175	50RB#0	NV	50	-4.20	-0.002424	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.90	0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.70	-0.000837	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	0.50	0.000197	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-0.80	-0.000316	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	-2.70	-0.001065	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-0.90	-0.000355	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	0.70	0.000276	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-0.40	-0.000158	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	-1.30	-0.000513	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	0.20	0.000079	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	1.10	0.001555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	0.50	0.000707	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-0.20	-0.000256	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	0.20	0.000256	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-1.50	-0.001918	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-1.60	-0.002046	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	0.80	0.001023	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	1.30	0.001662	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	1.60	0.002046	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	0.30	0.000384	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	2.20	0.002813	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	2.80	0.003531	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	0.70	0.000883	±2.5	PASS

Band14	10MHz	QPSK	23330	50RB#0	NV	-10	1.90	0.002396	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	3.50	0.004414	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-2.80	-0.003531	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	2.70	0.003405	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-4.40	-0.005549	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-1.50	-0.001892	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-5.10	-0.006431	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	-30	-2.60	-0.001381	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	-20	0.20	0.000106	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	0	0.30	0.000159	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	10	-0.80	-0.000425	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	20	-3.20	-0.001700	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	30	-3.20	-0.001700	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	40	-1.30	-0.000691	±2.5	PASS
Band25	10MHz	QPSK	26365	50RB#0	NV	50	-3.40	-0.001806	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-30	1.70	0.002076	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-20	-0.90	-0.001099	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-10	0.70	0.000855	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	0	1.20	0.001465	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	10	-0.30	-0.000366	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	20	-0.80	-0.000977	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	30	1.40	0.001709	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	40	1.40	0.001709	±2.5	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	50	-2.10	-0.002564	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	-30	-0.30	-0.000359	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	-20	0.60	0.000717	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	-10	-0.70	-0.000837	±2.5	PASS

26(824-849)	10MHz	QPSK	26915	50RB#0	NV	0	-0.60	-0.000717	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	10	-0.60	-0.000717	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	20	-2.20	-0.002630	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	30	-1.70	-0.002032	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	40	-1.10	-0.001315	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	NV	50	-0.70	-0.000837	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-30	-2.80	-0.001212	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	-0.20	-0.000087	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-10	0.40	0.000173	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	-0.10	-0.000043	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	-2.40	-0.001039	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	-0.50	-0.000216	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	30	0.90	0.000390	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	40	-1.10	-0.000476	±2.5	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	50	-2.50	-0.001082	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	-5.20	-0.002004	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	-3.80	-0.001464	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	-5.60	-0.002158	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	0	0.80	0.000308	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	-6.20	-0.002389	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	-3.50	-0.001349	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	30	-4.30	-0.001657	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	40	-0.30	-0.000116	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	50	0.10	0.000039	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-5.20	-0.002251	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-20	-5.50	-0.002381	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-3.30	-0.001429	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	0	-11.90	-0.005152	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	10	-6.80	-0.002944	±2.5	PASS

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40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	20	-3.70	-0.001602	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	30	-0.30	-0.000130	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	40	-3.80	-0.001645	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	50	-1.70	-0.000736	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	-30	-7.70	-0.003270	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-5.30	-0.002251	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	-10	-7.30	-0.003100	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	0	-2.70	-0.001146	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	10	-2.00	-0.000849	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	20	-7.70	-0.003270	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	30	-4.90	-0.002081	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	40	-6.20	-0.002633	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	50	-4.60	-0.001953	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	-0.20	-0.000077	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	-8.20	-0.003162	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	-6.20	-0.002391	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	-6.80	-0.002622	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	-8.40	-0.003239	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	-2.20	-0.000848	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	-9.80	-0.003779	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	-6.10	-0.002352	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	-5.70	-0.002198	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	-30	1.40	0.000400	±2.5	PASS
42(3450 -3550)	10MHz	QPSK	42590	50RB#0	NV	-20	0.40	0.000114	±2.5	PASS

42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	-10	0.70	0.000200	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	0	0.10	0.000029	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	10	0.70	0.000200	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	20	-0.30	-0.000086	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	30	0.40	0.000114	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	40	1.70	0.000486	±2.5	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	NV	50	0.80	0.000229	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	-30	-3.00	-0.000839	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	-20	0.00	0.000000	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	-10	1.60	0.000448	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	0	-1.00	-0.000280	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	10	-1.10	-0.000308	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	20	2.80	0.000783	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	30	-0.50	-0.000140	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	40	-1.60	-0.000448	±2.5	PASS
42(3550-3600)	10MHz	QPSK	43340	50RB#0	NV	50	-2.40	-0.000671	±2.5	PASS
43(3600-3700)	10MHz	QPSK	44090	50RB#0	NV	-30	-1.10	-0.000301	±2.5	PASS
43(3600-3700)	10MHz	QPSK	44090	50RB#0	NV	-20	3.40	0.000932	±2.5	PASS
43(3600-3700)	10MHz	QPSK	44090	50RB#0	NV	-10	-0.80	-0.000219	±2.5	PASS
43(3600-3700)	10MHz	QPSK	44090	50RB#0	NV	0	-3.60	-0.000986	±2.5	PASS

43(3600 -3700)	10MHz	QPSK	44090	50RB#0	NV	10	-2.10	-0.000575	±2.5	PASS
43(3600 -3700)	10MHz	QPSK	44090	50RB#0	NV	20	0.50	0.000137	±2.5	PASS
43(3600 -3700)	10MHz	QPSK	44090	50RB#0	NV	30	2.50	0.000685	±2.5	PASS
43(3600 -3700)	10MHz	QPSK	44090	50RB#0	NV	40	2.70	0.000740	±2.5	PASS
43(3600 -3700)	10MHz	QPSK	44090	50RB#0	NV	50	-0.80	-0.000219	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	-30	2.10	0.000579	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	-20	0.60	0.000166	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	-10	-0.70	-0.000193	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	0	-3.90	-0.001076	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	10	-3.40	-0.000938	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	20	0.30	0.000083	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	30	3.50	0.000966	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	40	-1.10	-0.000303	±2.5	PASS
Band48	10MHz	QPSK	55990	50RB#0	NV	50	-3.70	-0.001021	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	-30	-1.00	-0.000573	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	-20	-0.40	-0.000229	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	-10	0.20	0.000115	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	0	0.80	0.000458	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	10	-2.40	-0.001375	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	20	-2.40	-0.001375	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	30	-4.60	-0.002636	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	40	1.80	0.001032	±2.5	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	50	-0.30	-0.000172	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	-30	-0.10	-0.000147	±2.5	PASS
Band71	10MHz	QPSK	13329	50RB#0	NV	-20	-0.90	-0.001323	±2.5	PASS

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Band71	10MHz	QPSK	13329 7	50RB#0	NV	-10	1.10	0.001616	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	0	0.70	0.001029	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	10	0.60	0.000882	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	20	-0.40	-0.000588	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	30	-1.00	-0.001470	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	40	0.50	0.000735	±2.5	PASS
Band71	10MHz	QPSK	13329 7	50RB#0	NV	50	0.30	0.000441	±2.5	PASS