n41	30	30	2592.99	CP	QPSK	Inner_Full	21.85	21.85	24.86	25.26
n41	30	30	2592.99	CP	QPSK	Edge_1RB_Left	20.04	19.92	22.99	23.39
n41	30	30	2592.99	CP	QPSK	Edge_1RB_Right	19.91	19.88	22.9	23.3
n41	30	30	2592.99	CP	QPSK	Outer_Full	20.28	20.37	23.34	23.74
n41	30	30	2592.99	CP	16QAM	Inner_Full	21.33	21.38	24.37	24.77
n41	30	30	2592.99	CP	16QAM	Edge_1RB_Left	19.88	19.85	22.88	23.28
n41	30	30	2592.99	CP	16QAM	Edge_1RB_Right	19.90	19.91	22.91	23.31
n41	30	30	2592.99	CP	16QAM	Outer_Full	20.34	20.49	23.43	23.83
n41	30	30	2592.99	CP	64QAM	Inner_Full	19.83	19.84	22.84	23.24
n41	30	30	2592.99	CP	64QAM	Edge_1RB_Left	19.64	19.71	22.68	23.08
n41	30	30	2592.99	CP	64QAM	Edge_1RB_Right	19.64	19.68	22.67	23.07
n41	30	30	2592.99	CP	64QAM	Outer_Full	19.87	19.91	22.9	23.3
n41	30	30	2592.99	CP	256QAM	Inner_Full	16.88	16.71	19.8	20.2
n41	30	30	2592.99	CP	256QAM	Edge_1RB_Left	16.64	16.63	19.64	20.04
n41	30	30	2592.99	CP	256QAM	Edge_1RB_Right	16.71	16.71	19.72	20.12
n41	30	30	2592.99	CP	256QAM	Outer_Full	16.89	16.91	19.91	20.31
n41	30	30	2674.98	CP	QPSK	Inner_Full	22.10	21.67	24.9	25.3
n41	30	30	2674.98	CP	QPSK	Edge_1RB_Left	20.26	19.85	23.07	23.47
n41	30	30	2674.98	CP	QPSK	Edge_1RB_Right	20.12	19.83	22.99	23.39
n41	30	30	2674.98	CP	QPSK	Outer_Full	20.54	20.31	23.43	23.83
n41	30	30	2674.98	CP	16QAM	Inner_Full	21.49	21.24	24.38	24.78
n41	30	30	2674.98	CP	16QAM	Edge_1RB_Left	20.21	19.96	23.1	23.5
n41	30	30	2674.98	CP	16QAM	Edge_1RB_Right	19.89	19.97	22.94	23.34
n41	30	30	2674.98	CP	16QAM	Outer_Full	20.55	20.24	23.41	23.81
n41	30	30	2674.98	CP	64QAM	Inner_Full	20.09	19.62	22.87	23.27
n41	30	30	2674.98	CP	64QAM	Edge_1RB_Left	19.98	19.72	22.86	23.26
n41	30	30	2674.98	CP	64QAM	Edge_1RB_Right	19.67	19.70	22.69	23.09
n41	30	30	2674.98	CP	64QAM	Outer_Full	20.16	19.74	22.97	23.37
n41	30	30	2674.98	CP	256QAM	Inner_Full	17.10	16.62	19.88	20.28
n41	30	30	2674.98	CP	256QAM	Edge_1RB_Left	16.98	16.62	19.81	20.21
n41	30	30	2674.98	CP	256QAM	Edge_1RB_Right	17.01	16.79	19.91	20.31
n41	30	30	2674.98	CP	256QAM	Outer_Full	17.15	16.67	19.93	20.33
n41	40	30	2516.01	CP	QPSK	Inner_Full	21.56	21.50	24.54	24.94
n41	40	30	2516.01	CP	QPSK	Edge_1RB_Left	19.58	19.53	22.56	22.96
n41	40	30	2516.01	CP	QPSK	Edge_1RB_Right	19.63	19.66	22.66	23.06
n41	40	30	2516.01	CP	QPSK	Outer_Full	20.04	20.01	23.04	23.44
n41	40	30	2516.01	CP	16QAM	Inner_Full	21.02	21.01	24.03	24.43
n41	40	30	2516.01	CP	16QAM	Edge_1RB_Left	19.78	19.77	22.79	23.19
n41	40	30	2516.01	CP	16QAM	Edge_1RB_Right	19.74	19.80	22.78	23.18
n41	40	30	2516.01	CP	16QAM	Outer_Full	19.93	20.02	22.99	23.39
n41	40	30	2516.01	CP	64QAM	Inner_Full	19.41	19.46	22.45	22.85

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n41	40	30	2516.01	CP	64QAM	Edge_1RB_Left	19.40	19.33	22.38	22.78
n41	40	30	2516.01	CP	64QAM	Edge_1RB_Right	19.31	19.64	22.49	22.89
n41	40	30	2516.01	CP	64QAM	Outer_Full	19.46	19.48	22.48	22.88
n41	40	30	2516.01	CP	256QAM	Inner_Full	16.58	16.61	19.6	20
n41	40	30	2516.01	CP	256QAM	Edge_1RB_Left	16.45	16.60	19.54	19.94
n41	40	30	2516.01	CP	256QAM	Edge_1RB_Right	16.73	16.77	19.76	20.16
n41	40	30	2516.01	CP	256QAM	Outer_Full	16.54	16.71	19.63	20.03
n41	40	30	2592.99	CP	QPSK	Inner_Full	21.74	21.90	24.83	25.23
n41	40	30	2592.99	CP	QPSK	Edge_1RB_Left	19.85	19.97	22.92	23.32
n41	40	30	2592.99	CP	QPSK	Edge_1RB_Right	19.78	19.85	22.83	23.23
n41	40	30	2592.99	CP	QPSK	Outer_Full	20.34	20.40	23.38	23.78
n41	40	30	2592.99	CP	16QAM	Inner_Full	21.35	21.34	24.35	24.75
n41	40	30	2592.99	CP	16QAM	Edge_1RB_Left	19.93	20.05	23	23.4
n41	40	30	2592.99	CP	16QAM	Edge_1RB_Right	19.92	19.82	22.88	23.28
n41	40	30	2592.99	CP	16QAM	Outer_Full	20.32	20.46	23.4	23.8
n41	40	30	2592.99	CP	64QAM	Inner_Full	19.88	19.93	22.91	23.31
n41	40	30	2592.99	CP	64QAM	Edge_1RB_Left	19.61	19.76	22.69	23.09
n41	40	30	2592.99	CP	64QAM	Edge_1RB_Right	19.54	19.88	22.72	23.12
n41	40	30	2592.99	CP	64QAM	Outer_Full	19.85	19.91	22.89	23.29
n41	40	30	2592.99	CP	256QAM	Inner_Full	16.77	16.73	19.76	20.16
n41	40	30	2592.99	CP	256QAM	Edge_1RB_Left	16.89	16.83	19.87	20.27
n41	40	30	2592.99	CP	256QAM	Edge_1RB_Right	16.69	16.75	19.73	20.13
n41	40	30	2592.99	CP	256QAM	Outer_Full	16.76	16.89	19.83	20.23
n41	40	30	2670	CP	QPSK	Inner_Full	21.91	21.68	24.81	25.21
n41	40	30	2670	CP	QPSK	Edge_1RB_Left	20.00	20.01	23.02	23.42
n41	40	30	2670	CP	QPSK	Edge_1RB_Right	19.86	19.86	22.87	23.27
n41	40	30	2670	CP	QPSK	Outer_Full	20.44	20.24	23.35	23.75
n41	40	30	2670	CP	16QAM	Inner_Full	21.46	21.16	24.33	24.73
n41	40	30	2670	CP	16QAM	Edge_1RB_Left	20.10	19.91	23.02	23.42
n41	40	30	2670	CP	16QAM	Edge_1RB_Right	19.87	20.01	22.95	23.35
n41	40	30	2670	CP	16QAM	Outer_Full	20.46	20.22	23.35	23.75
n41	40	30	2670	CP	64QAM	Inner_Full	19.93	19.71	22.83	23.23
n41	40	30	2670	CP	64QAM	Edge_1RB_Left	19.90	19.69	22.81	23.21
n41	40	30	2670	CP	64QAM	Edge_1RB_Right	19.42	19.63	22.54	22.94
n41	40	30	2670	CP	64QAM	Outer_Full	19.98	19.68	22.84	23.24
n41	40	30	2670	CP	256QAM	Inner_Full	16.98	16.65	19.83	20.23
n41	40	30	2670	CP	256QAM	Edge_1RB_Left	17.03	16.89	19.97	20.37
n41	40	30	2670	CP	256QAM	Edge_1RB_Right	16.85	16.52	19.7	20.1
n41	40	30	2670	CP	256QAM	Outer_Full	16.94	16.69	19.83	20.23
n41	50	30	2521.02	CP	QPSK	Inner_Full	21.52	21.56	24.55	24.95
n41	50	30	2521.02	CP	QPSK	Edge_1RB_Left	19.51	19.48	22.51	22.91

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n41	50	30	2521.02	CP	QPSK	Edge_1RB_Right	19.63	19.62	22.64	23.04
n41	50	30	2521.02	CP	QPSK	Outer_Full	19.99	20.01	23.01	23.41
n41	50	30	2521.02	CP	16QAM	Inner_Full	21.00	21.04	24.03	24.43
n41	50	30	2521.02	CP	16QAM	Edge_1RB_Left	19.62	19.64	22.64	23.04
n41	50	30	2521.02	CP	16QAM	Edge_1RB_Right	19.68	19.70	22.7	23.1
n41	50	30	2521.02	CP	16QAM	Outer_Full	20.07	20.10	23.1	23.5
n41	50	30	2521.02	CP	64QAM	Inner_Full	19.53	19.53	22.54	22.94
n41	50	30	2521.02	CP	64QAM	Edge_1RB_Left	19.24	19.46	22.36	22.76
n41	50	30	2521.02	CP	64QAM	Edge_1RB_Right	19.46	19.27	22.38	22.78
n41	50	30	2521.02	CP	64QAM	Outer_Full	19.50	19.61	22.56	22.96
n41	50	30	2521.02	CP	256QAM	Inner_Full	16.58	16.64	19.62	20.02
n41	50	30	2521.02	CP	256QAM	Edge_1RB_Left	16.60	16.66	19.64	20.04
n41	50	30	2521.02	CP	256QAM	Edge_1RB_Right	16.67	16.62	19.65	20.05
n41	50	30	2521.02	CP	256QAM	Outer_Full	16.51	16.66	19.59	19.99
n41	50	30	2592.99	CP	QPSK	Inner_Full	21.83	21.83	24.84	25.24
n41	50	30	2592.99	CP	QPSK	Edge_1RB_Left	19.68	19.75	22.73	23.13
n41	50	30	2592.99	CP	QPSK	Edge_1RB_Right	19.81	19.71	22.77	23.17
n41	50	30	2592.99	CP	QPSK	Outer_Full	20.26	20.27	23.28	23.68
n41	50	30	2592.99	CP	16QAM	Inner_Full	21.40	21.32	24.37	24.77
n41	50	30	2592.99	CP	16QAM	Edge_1RB_Left	19.86	20.02	22.95	23.35
n41	50	30	2592.99	CP	16QAM	Edge_1RB_Right	19.92	19.70	22.82	23.22
n41	50	30	2592.99	CP	16QAM	Outer_Full	20.30	20.34	23.33	23.73
n41	50	30	2592.99	CP	64QAM	Inner_Full	19.80	19.78	22.8	23.2
n41	50	30	2592.99	CP	64QAM	Edge_1RB_Left	19.38	19.78	22.6	23
n41	50	30	2592.99	CP	64QAM	Edge_1RB_Right	19.50	19.58	22.55	22.95
n41	50	30	2592.99	CP	64QAM	Outer_Full	19.82	19.79	22.82	23.22
n41	50	30	2592.99	CP	256QAM	Inner_Full	16.84	16.75	19.81	20.21
n41	50	30	2592.99	CP	256QAM	Edge_1RB_Left	16.74	16.77	19.76	20.16
n41	50	30	2592.99	CP	256QAM	Edge_1RB_Right	16.57	16.51	19.55	19.95
n41	50	30	2592.99	CP	256QAM	Outer_Full	16.82	16.78	19.81	20.21
n41	50	30	2664.99	CP	QPSK	Inner_Full	21.85	21.73	24.8	25.2
n41	50	30	2664.99	CP	QPSK	Edge_1RB_Left	19.70	19.92	22.82	23.22
n41	50	30	2664.99	CP	QPSK	Edge_1RB_Right	19.60	19.76	22.69	23.09
n41	50	30	2664.99	CP	QPSK	Outer_Full	20.27	20.20	23.24	23.64
n41	50	30	2664.99	CP	16QAM	Inner_Full	21.26	21.20	24.24	24.64
n41	50	30	2664.99	CP	16QAM	Edge_1RB_Left	20.00	19.78	22.9	23.3
n41	50	30	2664.99	CP	16QAM	Edge_1RB_Right	19.88	19.61	22.76	23.16
n41	50	30	2664.99	CP	16QAM	Outer_Full	20.33	20.20	23.27	23.67
n41	50	30	2664.99	CP	64QAM	Inner_Full	19.92	19.78	22.86	23.26
n41	50	30	2664.99	CP	64QAM	Edge_1RB_Left	19.67	19.61	22.65	23.05
n41	50	30	2664.99	CP	64QAM	Edge_1RB_Right	19.54	19.43	22.5	22.9

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n41	50	30	2664.99	CP	64QAM	Outer_Full	19.83	19.81	22.83	23.23
n41	50	30	2664.99	CP	256QAM	Inner_Full	16.91	16.54	19.74	20.14
n41	50	30	2664.99	CP	256QAM	Edge_1RB_Left	16.73	16.76	19.75	20.15
n41	50	30	2664.99	CP	256QAM	Edge_1RB_Right	16.68	16.63	19.66	20.06
n41	50	30	2664.99	CP	256QAM	Outer_Full	16.84	16.50	19.68	20.08
n41	60	30	2526	CP	QPSK	Inner_Full	21.57	21.50	24.54	24.94
n41	60	30	2526	CP	QPSK	Edge_1RB_Left	19.45	19.34	22.4	22.8
n41	60	30	2526	CP	QPSK	Edge_1RB_Right	19.55	19.47	22.52	22.92
n41	60	30	2526	CP	QPSK	Outer_Full	20.01	20.00	23.02	23.42
n41	60	30	2526	CP	16QAM	Inner_Full	20.94	20.90	23.93	24.33
n41	60	30	2526	CP	16QAM	Edge_1RB_Left	19.64	19.42	22.54	22.94
n41	60	30	2526	CP	16QAM	Edge_1RB_Right	19.77	19.41	22.6	23
n41	60	30	2526	CP	16QAM	Outer_Full	20.05	19.96	23.02	23.42
n41	60	30	2526	CP	64QAM	Inner_Full	19.57	19.49	22.54	22.94
n41	60	30	2526	CP	64QAM	Edge_1RB_Left	19.34	19.18	22.27	22.67
n41	60	30	2526	CP	64QAM	Edge_1RB_Right	19.48	19.40	22.45	22.85
n41	60	30	2526	CP	64QAM	Outer_Full	19.53	19.52	22.54	22.94
n41	60	30	2526	CP	256QAM	Inner_Full	16.55	16.57	19.57	19.97
n41	60	30	2526	CP	256QAM	Edge_1RB_Left	16.34	16.45	19.41	19.81
n41	60	30	2526	CP	256QAM	Edge_1RB_Right	16.41	16.49	19.46	19.86
n41	60	30	2526	CP	256QAM	Outer_Full	16.55	16.54	19.55	19.95
n41	60	30	2592.99	CP	QPSK	Inner_Full	21.84	21.90	24.88	25.28
n41	60	30	2592.99	CP	QPSK	Edge_1RB_Left	19.78	19.74	22.77	23.17
n41	60	30	2592.99	CP	QPSK	Edge_1RB_Right	19.77	19.67	22.73	23.13
n41	60	30	2592.99	CP	QPSK	Outer_Full	20.35	20.40	23.39	23.79
n41	60	30	2592.99	CP	16QAM	Inner_Full	21.18	21.36	24.28	24.68
n41	60	30	2592.99	CP	16QAM	Edge_1RB_Left	19.70	20.06	22.9	23.3
n41	60	30	2592.99	CP	16QAM	Edge_1RB_Right	19.72	19.91	22.83	23.23
n41	60	30	2592.99	CP	16QAM	Outer_Full	20.28	20.35	23.33	23.73
n41	60	30	2592.99	CP	64QAM	Inner_Full	19.75	19.86	22.82	23.22
n41	60	30	2592.99	CP	64QAM	Edge_1RB_Left	19.56	19.69	22.64	23.04
n41	60	30	2592.99	CP	64QAM	Edge_1RB_Right	19.55	19.48	22.52	22.92
n41	60	30	2592.99	CP	64QAM	Outer_Full	19.83	19.86	22.86	23.26
n41	60	30	2592.99	CP	256QAM	Inner_Full	16.82	16.79	19.81	20.21
n41	60	30	2592.99	CP	256QAM	Edge_1RB_Left	16.52	16.58	19.56	19.96
n41	60	30	2592.99	CP	256QAM	Edge_1RB_Right	16.77	16.76	19.78	20.18
n41	60	30	2592.99	CP	256QAM	Outer_Full	16.77	16.81	19.8	20.2
n41	60	30	2659.98	CP	QPSK	Inner_Full	21.90	21.65	24.79	25.19
n41	60	30	2659.98	CP	QPSK	Edge_1RB_Left	19.49	19.67	22.59	22.99
n41	60	30	2659.98	CP	QPSK	Edge_1RB_Right	19.59	19.53	22.57	22.97
n41	60	30	2659.98	CP	QPSK	Outer_Full	20.25	20.15	23.21	23.61

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n41	60	30	2659.98	CP	16QAM	Inner_Full	21.33	21.10	24.23	24.63
n41	60	30	2659.98	CP	16QAM	Edge_1RB_Left	19.69	19.79	22.75	23.15
n41	60	30	2659.98	CP	16QAM	Edge_1RB_Right	19.74	19.66	22.71	23.11
n41	60	30	2659.98	CP	16QAM	Outer_Full	20.29	20.10	23.21	23.61
n41	60	30	2659.98	CP	64QAM	Inner_Full	19.86	19.65	22.77	23.17
n41	60	30	2659.98	CP	64QAM	Edge_1RB_Left	19.69	19.36	22.54	22.94
n41	60	30	2659.98	CP	64QAM	Edge_1RB_Right	19.51	19.32	22.43	22.83
n41	60	30	2659.98	CP	64QAM	Outer_Full	19.83	19.66	22.76	23.16
n41	60	30	2659.98	CP	256QAM	Inner_Full	16.93	16.56	19.76	20.16
n41	60	30	2659.98	CP	256QAM	Edge_1RB_Left	16.63	16.74	19.69	20.09
n41	60	30	2659.98	CP	256QAM	Edge_1RB_Right	16.53	16.38	19.46	19.86
n41	60	30	2659.98	CP	256QAM	Outer_Full	16.75	16.54	19.65	20.05
n41	70	30	2531.01	CP	QPSK	Inner_Full	21.40	21.39	24.41	24.81
n41	70	30	2531.01	CP	QPSK	Edge_1RB_Left	19.42	19.39	22.42	22.82
n41	70	30	2531.01	CP	QPSK	Edge_1RB_Right	19.49	19.41	22.46	22.86
n41	70	30	2531.01	CP	QPSK	Outer_Full	19.90	19.93	22.92	23.32
n41	70	30	2531.01	CP	16QAM	Inner_Full	20.91	20.90	23.91	24.31
n41	70	30	2531.01	CP	16QAM	Edge_1RB_Left	19.36	19.54	22.46	22.86
n41	70	30	2531.01	CP	16QAM	Edge_1RB_Right	19.46	19.68	22.59	22.99
n41	70	30	2531.01	CP	16QAM	Outer_Full	19.89	19.89	22.9	23.3
n41	70	30	2531.01	CP	64QAM	Inner_Full	19.37	19.39	22.39	22.79
n41	70	30	2531.01	CP	64QAM	Edge_1RB_Left	19.15	19.28	22.23	22.63
n41	70	30	2531.01	CP	64QAM	Edge_1RB_Right	19.23	19.33	22.29	22.69
n41	70	30	2531.01	CP	64QAM	Outer_Full	19.48	19.56	22.53	22.93
n41	70	30	2531.01	CP	256QAM	Inner_Full	16.45	16.58	19.53	19.93
n41	70	30	2531.01	CP	256QAM	Edge_1RB_Left	16.11	16.50	19.32	19.72
n41	70	30	2531.01	CP	256QAM	Edge_1RB_Right	16.50	16.56	19.54	19.94
n41	70	30	2531.01	CP	256QAM	Outer_Full	16.44	16.58	19.52	19.92
n41	70	30	2592.99	CP	QPSK	Inner_Full	21.61	21.64	24.63	25.03
n41	70	30	2592.99	CP	QPSK	Edge_1RB_Left	19.55	19.79	22.68	23.08
n41	70	30	2592.99	CP	QPSK	Edge_1RB_Right	19.38	19.59	22.5	22.9
n41	70	30	2592.99	CP	QPSK	Outer_Full	20.13	20.19	23.17	23.57
n41	70	30	2592.99	CP	16QAM	Inner_Full	21.23	21.19	24.22	24.62
n41	70	30	2592.99	CP	16QAM	Edge_1RB_Left	19.58	19.93	22.77	23.17
n41	70	30	2592.99	CP	16QAM	Edge_1RB_Right	19.42	19.74	22.6	23
n41	70	30	2592.99	CP	16QAM	Outer_Full	20.21	20.19	23.21	23.61
n41	70	30	2592.99	CP	64QAM	Inner_Full	19.62	19.57	22.61	23.01
n41	70	30	2592.99	CP	64QAM	Edge_1RB_Left	19.21	19.63	22.44	22.84
n41	70	30	2592.99	CP	64QAM	Edge_1RB_Right	19.11	19.37	22.25	22.65
n41	70	30	2592.99	CP	64QAM	Outer_Full	19.61	19.73	22.68	23.08
n41	70	30	2592.99	CP	256QAM	Inner_Full	16.70	16.69	19.71	20.11

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n41	70	30	2592.99	CP	256QAM	Edge_1RB_Left	16.60	16.46	19.54	19.94
n41	70	30	2592.99	CP	256QAM	Edge_1RB_Right	16.26	16.30	19.29	19.69
n41	70	30	2592.99	CP	256QAM	Outer_Full	16.64	16.60	19.63	20.03
n41	70	30	2655	CP	QPSK	Inner_Full	21.64	21.46	24.56	24.96
n41	70	30	2655	CP	QPSK	Edge_1RB_Left	19.70	19.41	22.57	22.97
n41	70	30	2655	CP	QPSK	Edge_1RB_Right	19.37	19.29	22.34	22.74
n41	70	30	2655	CP	QPSK	Outer_Full	20.15	20.00	23.08	23.48
n41	70	30	2655	CP	16QAM	Inner_Full	21.20	20.93	24.08	24.48
n41	70	30	2655	CP	16QAM	Edge_1RB_Left	19.79	19.57	22.69	23.09
n41	70	30	2655	CP	16QAM	Edge_1RB_Right	19.57	19.41	22.5	22.9
n41	70	30	2655	CP	16QAM	Outer_Full	20.20	19.97	23.09	23.49
n41	70	30	2655	CP	64QAM	Inner_Full	19.68	19.49	22.6	23
n41	70	30	2655	CP	64QAM	Edge_1RB_Left	19.53	19.27	22.41	22.81
n41	70	30	2655	CP	64QAM	Edge_1RB_Right	19.15	19.19	22.18	22.58
n41	70	30	2655	CP	64QAM	Outer_Full	19.65	19.51	22.59	22.99
n41	70	30	2655	CP	256QAM	Inner_Full	16.76	16.41	19.59	19.99
n41	70	30	2655	CP	256QAM	Edge_1RB_Left	16.62	16.27	19.46	19.86
n41	70	30	2655	CP	256QAM	Edge_1RB_Right	16.32	16.13	19.24	19.64
n41	70	30	2655	CP	256QAM	Outer_Full	16.65	16.31	19.49	19.89
n41	80	30	2536.02	CP	QPSK	Inner_Full	21.47	21.38	24.43	24.83
n41	80	30	2536.02	CP	QPSK	Edge_1RB_Left	19.34	19.19	22.28	22.68
n41	80	30	2536.02	CP	QPSK	Edge_1RB_Right	19.54	19.35	22.46	22.86
n41	80	30	2536.02	CP	QPSK	Outer_Full	19.84	19.80	22.83	23.23
n41	80	30	2536.02	CP	16QAM	Inner_Full	20.90	20.75	23.84	24.24
n41	80	30	2536.02	CP	16QAM	Edge_1RB_Left	19.47	19.19	22.34	22.74
n41	80	30	2536.02	CP	16QAM	Edge_1RB_Right	19.57	19.39	22.49	22.89
n41	80	30	2536.02	CP	16QAM	Outer_Full	19.82	19.83	22.84	23.24
n41	80	30	2536.02	CP	64QAM	Inner_Full	19.34	19.28	22.32	22.72
n41	80	30	2536.02	CP	64QAM	Edge_1RB_Left	19.28	19.02	22.16	22.56
n41	80	30	2536.02	CP	64QAM	Edge_1RB_Right	19.24	19.27	22.26	22.66
n41	80	30	2536.02	CP	64QAM	Outer_Full	19.38	19.32	22.36	22.76
n41	80	30	2536.02	CP	256QAM	Inner_Full	16.33	16.41	19.38	19.78
n41	80	30	2536.02	CP	256QAM	Edge_1RB_Left	16.18	16.30	19.25	19.65
n41	80	30	2536.02	CP	256QAM	Edge_1RB_Right	16.20	16.30	19.26	19.66
n41	80	30	2536.02	CP	256QAM	Outer_Full	16.41	16.42	19.42	19.82
n41	80	30	2592.99	CP	QPSK	Inner_Full	21.62	21.72	24.68	25.08
n41	80	30	2592.99	CP	QPSK	Edge_1RB_Left	19.49	19.67	22.59	22.99
n41	80	30	2592.99	CP	QPSK	Edge_1RB_Right	19.52	19.51	22.52	22.92
n41	80	30	2592.99	CP	QPSK	Outer_Full	20.12	20.20	23.17	23.57
n41	80	30	2592.99	CP	16QAM	Inner_Full	21.15	21.25	24.21	24.61
n41	80	30	2592.99	CP	16QAM	Edge_1RB_Left	19.73	19.67	22.71	23.11

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n41	80	30	2592.99	CP	16QAM	Edge_1RB_Right	19.57	19.52	22.56	22.96
n41	80	30	2592.99	CP	16QAM	Outer_Full	20.10	20.25	23.19	23.59
n41	80	30	2592.99	CP	64QAM	Inner_Full	19.67	19.72	22.7	23.1
n41	80	30	2592.99	CP	64QAM	Edge_1RB_Left	19.30	19.57	22.45	22.85
n41	80	30	2592.99	CP	64QAM	Edge_1RB_Right	19.46	19.33	22.4	22.8
n41	80	30	2592.99	CP	64QAM	Outer_Full	19.61	19.80	22.71	23.11
n41	80	30	2592.99	CP	256QAM	Inner_Full	16.66	16.55	19.62	20.02
n41	80	30	2592.99	CP	256QAM	Edge_1RB_Left	16.42	16.43	19.43	19.83
n41	80	30	2592.99	CP	256QAM	Edge_1RB_Right	16.58	16.65	19.63	20.03
n41	80	30	2592.99	CP	256QAM	Outer_Full	16.65	16.63	19.65	20.05
n41	80	30	2649.99	CP	QPSK	Inner_Full	21.75	21.57	24.67	25.07
n41	80	30	2649.99	CP	QPSK	Edge_1RB_Left	19.70	19.58	22.65	23.05
n41	80	30	2649.99	CP	QPSK	Edge_1RB_Right	19.52	19.27	22.41	22.81
n41	80	30	2649.99	CP	QPSK	Outer_Full	20.07	20.04	23.06	23.46
n41	80	30	2649.99	CP	16QAM	Inner_Full	21.10	21.06	24.09	24.49
n41	80	30	2649.99	CP	16QAM	Edge_1RB_Left	19.63	19.56	22.6	23
n41	80	30	2649.99	CP	16QAM	Edge_1RB_Right	19.54	19.38	22.47	22.87
n41	80	30	2649.99	CP	16QAM	Outer_Full	20.11	20.01	23.07	23.47
n41	80	30	2649.99	CP	64QAM	Inner_Full	19.69	19.65	22.68	23.08
n41	80	30	2649.99	CP	64QAM	Edge_1RB_Left	19.44	19.18	22.32	22.72
n41	80	30	2649.99	CP	64QAM	Edge_1RB_Right	19.29	19.22	22.26	22.66
n41	80	30	2649.99	CP	64QAM	Outer_Full	19.60	19.56	22.59	22.99
n41	80	30	2649.99	CP	256QAM	Inner_Full	16.66	16.59	19.64	20.04
n41	80	30	2649.99	CP	256QAM	Edge_1RB_Left	16.78	16.65	19.73	20.13
n41	80	30	2649.99	CP	256QAM	Edge_1RB_Right	16.29	16.27	19.29	19.69
n41	80	30	2649.99	CP	256QAM	Outer_Full	16.61	16.48	19.56	19.96
n41	90	30	2541	CP	QPSK	Inner_Full	21.51	21.43	24.48	24.88
n41	90	30	2541	CP	QPSK	Edge_1RB_Left	19.46	19.31	22.4	22.8
n41	90	30	2541	CP	QPSK	Edge_1RB_Right	19.55	19.32	22.45	22.85
n41	90	30	2541	CP	QPSK	Outer_Full	19.86	19.86	22.87	23.27
n41	90	30	2541	CP	16QAM	Inner_Full	20.97	20.96	23.98	24.38
n41	90	30	2541	CP	16QAM	Edge_1RB_Left	19.46	19.30	22.39	22.79
n41	90	30	2541	CP	16QAM	Edge_1RB_Right	19.59	19.62	22.61	23.01
n41	90	30	2541	CP	16QAM	Outer_Full	19.91	19.93	22.93	23.33
n41	90	30	2541	CP	64QAM	Inner_Full	19.56	19.38	22.48	22.88
n41	90	30	2541	CP	64QAM	Edge_1RB_Left	19.33	19.00	22.18	22.58
n41	90	30	2541	CP	64QAM	Edge_1RB_Right	19.29	19.35	22.33	22.73
n41	90	30	2541	CP	64QAM	Outer_Full	19.37	19.39	22.39	22.79
n41	90	30	2541	CP	256QAM	Inner_Full	16.50	16.57	19.54	19.94
n41	90	30	2541	CP	256QAM	Edge_1RB_Left	16.33	16.34	19.35	19.75
n41	90	30	2541	CP	256QAM	Edge_1RB_Right	16.52	16.43	19.49	19.89

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n41	90	30	2541	CP	256QAM	Outer_Full	16.42	16.49	19.47	19.87
n41	90	30	2592.99	CP	QPSK	Inner_Full	21.66	21.70	24.69	25.09
n41	90	30	2592.99	CP	QPSK	Edge_1RB_Left	19.72	19.59	22.67	23.07
n41	90	30	2592.99	CP	QPSK	Edge_1RB_Right	19.71	19.62	22.67	23.07
n41	90	30	2592.99	CP	QPSK	Outer_Full	20.15	20.25	23.21	23.61
n41	90	30	2592.99	CP	16QAM	Inner_Full	21.22	21.13	24.19	24.59
n41	90	30	2592.99	CP	16QAM	Edge_1RB_Left	19.79	19.77	22.79	23.19
n41	90	30	2592.99	CP	16QAM	Edge_1RB_Right	19.69	19.86	22.79	23.19
n41	90	30	2592.99	CP	16QAM	Outer_Full	20.12	20.20	23.17	23.57
n41	90	30	2592.99	CP	64QAM	Inner_Full	19.64	19.64	22.65	23.05
n41	90	30	2592.99	CP	64QAM	Edge_1RB_Left	19.33	19.59	22.47	22.87
n41	90	30	2592.99	CP	64QAM	Edge_1RB_Right	19.61	19.25	22.44	22.84
n41	90	30	2592.99	CP	64QAM	Outer_Full	19.63	19.71	22.68	23.08
n41	90	30	2592.99	CP	256QAM	Inner_Full	16.78	16.74	19.77	20.17
n41	90	30	2592.99	CP	256QAM	Edge_1RB_Left	16.71	16.60	19.67	20.07
n41	90	30	2592.99	CP	256QAM	Edge_1RB_Right	16.75	16.56	19.67	20.07
n41	90	30	2592.99	CP	256QAM	Outer_Full	16.68	16.67	19.68	20.08
n41	90	30	2644.98	CP	QPSK	Inner_Full	21.66	21.70	24.69	25.09
n41	90	30	2644.98	CP	QPSK	Edge_1RB_Left	19.80	19.62	22.72	23.12
n41	90	30	2644.98	CP	QPSK	Edge_1RB_Right	19.62	19.33	22.49	22.89
n41	90	30	2644.98	CP	QPSK	Outer_Full	20.15	20.10	23.14	23.54
n41	90	30	2644.98	CP	16QAM	Inner_Full	21.23	21.17	24.21	24.61
n41	90	30	2644.98	CP	16QAM	Edge_1RB_Left	19.75	20.05	22.91	23.31
n41	90	30	2644.98	CP	16QAM	Edge_1RB_Right	19.66	19.43	22.56	22.96
n41	90	30	2644.98	CP	16QAM	Outer_Full	20.20	20.25	23.23	23.63
n41	90	30	2644.98	CP	64QAM	Inner_Full	19.66	19.78	22.73	23.13
n41	90	30	2644.98	CP	64QAM	Edge_1RB_Left	19.52	19.53	22.54	22.94
n41	90	30	2644.98	CP	64QAM	Edge_1RB_Right	19.50	19.00	22.27	22.67
n41	90	30	2644.98	CP	64QAM	Outer_Full	19.65	19.59	22.63	23.03
n41	90	30	2644.98	CP	256QAM	Inner_Full	16.70	16.69	19.71	20.11
n41	90	30	2644.98	CP	256QAM	Edge_1RB_Left	16.85	16.56	19.72	20.12
n41	90	30	2644.98	CP	256QAM	Edge_1RB_Right	16.73	16.39	19.57	19.97
n41	90	30	2644.98	CP	256QAM	Outer_Full	16.70	16.47	19.6	20
n41	100	30	2546.01	CP	QPSK	Inner_Full	21.56	21.47	24.53	24.93
n41	100	30	2546.01	CP	QPSK	Edge_1RB_Left	19.58	19.43	22.52	22.92
n41	100	30	2546.01	CP	QPSK	Edge_1RB_Right	19.59	19.44	22.53	22.93
n41	100	30	2546.01	CP	QPSK	Outer_Full	20.01	19.84	22.93	23.33
n41	100	30	2546.01	CP	16QAM	Inner_Full	20.90	20.96	23.94	24.34
n41	100	30	2546.01	CP	16QAM	Edge_1RB_Left	19.57	19.64	22.61	23.01
n41	100	30	2546.01	CP	16QAM	Edge_1RB_Right	19.50	19.51	22.52	22.92
n41	100	30	2546.01	CP	16QAM	Outer_Full	20.09	19.80	22.96	23.36

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n41	100	30	2546.01	CP	64QAM	Inner_Full	19.47	19.50	22.5	22.9
n41	100	30	2546.01	CP	64QAM	Edge_1RB_Left	19.33	19.41	22.38	22.78
n41	100	30	2546.01	CP	64QAM	Edge_1RB_Right	19.27	19.37	22.33	22.73
n41	100	30	2546.01	CP	64QAM	Outer_Full	19.42	19.38	22.41	22.81
n41	100	30	2546.01	CP	256QAM	Inner_Full	16.51	16.42	19.47	19.87
n41	100	30	2546.01	CP	256QAM	Edge_1RB_Left	16.67	16.56	19.62	20.02
n41	100	30	2546.01	CP	256QAM	Edge_1RB_Right	16.29	16.44	19.38	19.78
n41	100	30	2546.01	CP	256QAM	Outer_Full	16.74	16.38	19.57	19.97
n41	100	30	2592.99	CP	QPSK	Inner_Full	21.72	21.76	24.75	25.15
n41	100	30	2592.99	CP	QPSK	Edge_1RB_Left	19.55	19.80	22.69	23.09
n41	100	30	2592.99	CP	QPSK	Edge_1RB_Right	19.68	19.75	22.73	23.13
n41	100	30	2592.99	CP	QPSK	Outer_Full	20.18	20.28	23.24	23.64
n41	100	30	2592.99	CP	16QAM	Inner_Full	21.16	21.24	24.21	24.61
n41	100	30	2592.99	CP	16QAM	Edge_1RB_Left	19.79	19.77	22.79	23.19
n41	100	30	2592.99	CP	16QAM	Edge_1RB_Right	19.86	19.78	22.83	23.23
n41	100	30	2592.99	CP	16QAM	Outer_Full	20.13	20.21	23.18	23.58
n41	100	30	2592.99	CP	64QAM	Inner_Full	19.77	19.77	22.78	23.18
n41	100	30	2592.99	CP	64QAM	Edge_1RB_Left	19.28	19.55	22.43	22.83
n41	100	30	2592.99	CP	64QAM	Edge_1RB_Right	19.49	19.43	22.47	22.87
n41	100	30	2592.99	CP	64QAM	Outer_Full	19.68	19.82	22.76	23.16
n41	100	30	2592.99	CP	256QAM	Inner_Full	16.85	16.66	19.77	20.17
n41	100	30	2592.99	CP	256QAM	Edge_1RB_Left	16.61	16.77	19.7	20.1
n41	100	30	2592.99	CP	256QAM	Edge_1RB_Right	16.86	16.81	19.84	20.24
n41	100	30	2592.99	CP	256QAM	Outer_Full	16.71	16.66	19.69	20.09
n41	100	30	2640	CP	QPSK	Inner_Full	21.70	21.58	24.65	25.05
n41	100	30	2640	CP	QPSK	Edge_1RB_Left	20.00	19.75	22.89	23.29
n41	100	30	2640	CP	QPSK	Edge_1RB_Right	19.63	19.49	22.57	22.97
n41	100	30	2640	CP	QPSK	Outer_Full	20.23	20.03	23.14	23.54
n41	100	30	2640	CP	16QAM	Inner_Full	21.15	21.08	24.13	24.53
n41	100	30	2640	CP	16QAM	Edge_1RB_Left	20.01	20.04	23.04	23.44
n41	100	30	2640	CP	16QAM	Edge_1RB_Right	19.69	19.60	22.66	23.06
n41	100	30	2640	CP	16QAM	Outer_Full	20.27	20.05	23.18	23.58
n41	100	30	2640	CP	64QAM	Inner_Full	19.75	19.61	22.69	23.09
n41	100	30	2640	CP	64QAM	Edge_1RB_Left	19.70	19.52	22.62	23.02
n41	100	30	2640	CP	64QAM	Edge_1RB_Right	19.45	19.21	22.34	22.74
n41	100	30	2640	CP	64QAM	Outer_Full	19.71	19.52	22.63	23.03
n41	100	30	2640	CP	256QAM	Inner_Full	16.72	16.56	19.65	20.05
n41	100	30	2640	CP	256QAM	Edge_1RB_Left	16.81	16.56	19.7	20.1
n41	100	30	2640	CP	256QAM	Edge_1RB_Right	16.39	16.41	19.41	19.81
n41	100	30	2640	CP	256QAM	Outer_Full	16.82	16.40	19.63	20.03

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NR n77L MIMO

BAND	BW(MHz)	SCS(kHz)	FREQ(MHz)	OFDM	MODULATION	RB LOCATION	Port0 Power (dBm)	Port3 Power (dBm)	Total Conducted Power(dBm)	EIRP(dBm) (MAX Gt - Lc = -3)
n77L	10	30	3455.01	CP	QPSK	Inner_Full	21.21	20.92	24.08	21.08
n77L	10	30	3455.01	CP	QPSK	Edge_1RB_Left	19.70	19.51	22.62	19.62
n77L	10	30	3455.01	CP	QPSK	Edge_1RB_Right	19.54	19.58	22.57	19.57
n77L	10	30	3455.01	CP	QPSK	Outer_Full	19.67	19.51	22.6	19.6
n77L	10	30	3455.01	CP	16QAM	Inner_Full	20.69	20.54	23.63	20.63
n77L	10	30	3455.01	CP	16QAM	Edge_1RB_Left	19.90	19.75	22.84	19.84
n77L	10	30	3455.01	CP	16QAM	Edge_1RB_Right	20.02	19.76	22.9	19.9
n77L	10	30	3455.01	CP	16QAM	Outer_Full	19.76	19.42	22.6	19.6
n77L	10	30	3455.01	CP	64QAM	Inner_Full	19.23	18.99	22.12	19.12
n77L	10	30	3455.01	CP	64QAM	Edge_1RB_Left	19.57	19.39	22.49	19.49
n77L	10	30	3455.01	CP	64QAM	Edge_1RB_Right	19.58	19.32	22.46	19.46
n77L	10	30	3455.01	CP	64QAM	Outer_Full	19.34	19.04	22.2	19.2
n77L	10	30	3455.01	CP	256QAM	Inner_Full	16.21	15.88	19.06	16.06
n77L	10	30	3455.01	CP	256QAM	Edge_1RB_Left	16.76	16.59	19.69	16.69
n77L	10	30	3455.01	CP	256QAM	Edge_1RB_Right	16.51	16.31	19.42	16.42
n77L	10	30	3455.01	CP	256QAM	Outer_Full	16.20	16.03	19.12	16.12
n77L	10	30	3500.01	CP	QPSK	Inner_Full	21.62	21.00	24.33	21.33
n77L	10	30	3500.01	CP	QPSK	Edge_1RB_Left	19.83	19.62	22.74	19.74
n77L	10	30	3500.01	CP	QPSK	Edge_1RB_Right	20.00	19.49	22.76	19.76
n77L	10	30	3500.01	CP	QPSK	Outer_Full	20.08	19.59	22.85	19.85
n77L	10	30	3500.01	CP	16QAM	Inner_Full	21.05	20.55	23.82	20.82
n77L	10	30	3500.01	CP	16QAM	Edge_1RB_Left	20.16	19.79	22.99	19.99
n77L	10	30	3500.01	CP	16QAM	Edge_1RB_Right	20.02	19.69	22.87	19.87
n77L	10	30	3500.01	CP	16QAM	Outer_Full	19.99	19.53	22.77	19.77
n77L	10	30	3500.01	CP	64QAM	Inner_Full	19.67	19.00	22.36	19.36
n77L	10	30	3500.01	CP	64QAM	Edge_1RB_Left	19.75	19.48	22.63	19.63
n77L	10	30	3500.01	CP	64QAM	Edge_1RB_Right	20.00	19.33	22.69	19.69
n77L	10	30	3500.01	CP	64QAM	Outer_Full	19.61	19.14	22.39	19.39
n77L	10	30	3500.01	CP	256QAM	Inner_Full	16.60	15.93	19.29	16.29
n77L	10	30	3500.01	CP	256QAM	Edge_1RB_Left	17.05	16.70	19.89	16.89
n77L	10	30	3500.01	CP	256QAM	Edge_1RB_Right	17.04	16.37	19.73	16.73
n77L	10	30	3500.01	CP	256QAM	Outer_Full	16.52	16.20	19.37	16.37
n77L	10	30	3544.98	CP	QPSK	Inner_Full	21.38	21.02	24.22	21.22
n77L	10	30	3544.98	CP	QPSK	Edge_1RB_Left	19.78	19.66	22.73	19.73
n77L	10	30	3544.98	CP	QPSK	Edge_1RB_Right	19.77	19.70	22.75	19.75
n77L	10	30	3544.98	CP	QPSK	Outer_Full	19.88	19.71	22.81	19.81
n77L	10	30	3544.98	CP	16QAM	Inner_Full	20.91	20.67	23.8	20.8

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n77L	10	30	3544.98	CP	16QAM	Edge_1RB_Left	19.88	19.82	22.86	19.86
n77L	10	30	3544.98	CP	16QAM	Edge_1RB_Right	20.24	19.65	22.97	19.97
n77L	10	30	3544.98	CP	16QAM	Outer_Full	19.90	19.57	22.75	19.75
n77L	10	30	3544.98	CP	64QAM	Inner_Full	19.38	19.23	22.32	19.32
n77L	10	30	3544.98	CP	64QAM	Edge_1RB_Left	19.55	19.50	22.53	19.53
n77L	10	30	3544.98	CP	64QAM	Edge_1RB_Right	19.88	19.31	22.62	19.62
n77L	10	30	3544.98	CP	64QAM	Outer_Full	19.43	19.14	22.3	19.3
n77L	10	30	3544.98	CP	256QAM	Inner_Full	16.41	16.02	19.23	16.23
n77L	10	30	3544.98	CP	256QAM	Edge_1RB_Left	16.85	16.71	19.79	16.79
n77L	10	30	3544.98	CP	256QAM	Edge_1RB_Right	16.83	16.45	19.66	16.66
n77L	10	30	3544.98	CP	256QAM	Outer_Full	16.37	16.11	19.25	16.25
n77L	15	30	3457.5	CP	QPSK	Inner_Full	21.20	21.23	24.22	21.22
n77L	15	30	3457.5	CP	QPSK	Edge_1RB_Left	19.71	19.84	22.78	19.78
n77L	15	30	3457.5	CP	QPSK	Edge_1RB_Right	19.74	19.72	22.74	19.74
n77L	15	30	3457.5	CP	QPSK	Outer_Full	19.72	19.69	22.71	19.71
n77L	15	30	3457.5	CP	16QAM	Inner_Full	20.72	20.66	23.7	20.7
n77L	15	30	3457.5	CP	16QAM	Edge_1RB_Left	20.13	19.91	23.03	20.03
n77L	15	30	3457.5	CP	16QAM	Edge_1RB_Right	20.12	19.84	22.99	19.99
n77L	15	30	3457.5	CP	16QAM	Outer_Full	19.77	19.68	22.73	19.73
n77L	15	30	3457.5	CP	64QAM	Inner_Full	19.15	19.15	22.16	19.16
n77L	15	30	3457.5	CP	64QAM	Edge_1RB_Left	19.68	19.45	22.57	19.57
n77L	15	30	3457.5	CP	64QAM	Edge_1RB_Right	19.37	19.59	22.49	19.49
n77L	15	30	3457.5	CP	64QAM	Outer_Full	19.25	19.19	22.23	19.23
n77L	15	30	3457.5	CP	256QAM	Inner_Full	16.37	16.20	19.29	16.29
n77L	15	30	3457.5	CP	256QAM	Edge_1RB_Left	16.79	16.77	19.79	16.79
n77L	15	30	3457.5	CP	256QAM	Edge_1RB_Right	16.84	16.80	19.83	16.83
n77L	15	30	3457.5	CP	256QAM	Outer_Full	16.18	16.13	19.17	16.17
n77L	15	30	3500.01	CP	QPSK	Inner_Full	21.69	21.01	24.37	21.37
n77L	15	30	3500.01	CP	QPSK	Edge_1RB_Left	20.14	19.58	22.88	19.88
n77L	15	30	3500.01	CP	QPSK	Edge_1RB_Right	20.28	19.62	22.97	19.97
n77L	15	30	3500.01	CP	QPSK	Outer_Full	20.14	19.58	22.88	19.88
n77L	15	30	3500.01	CP	16QAM	Inner_Full	21.14	20.53	23.86	20.86
n77L	15	30	3500.01	CP	16QAM	Edge_1RB_Left	20.29	19.62	22.98	19.98
n77L	15	30	3500.01	CP	16QAM	Edge_1RB_Right	20.30	19.95	23.14	20.14
n77L	15	30	3500.01	CP	16QAM	Outer_Full	20.16	19.51	22.85	19.85
n77L	15	30	3500.01	CP	64QAM	Inner_Full	19.67	19.00	22.36	19.36
n77L	15	30	3500.01	CP	64QAM	Edge_1RB_Left	19.96	19.36	22.68	19.68
n77L	15	30	3500.01	CP	64QAM	Edge_1RB_Right	20.02	19.30	22.69	19.69
n77L	15	30	3500.01	CP	64QAM	Outer_Full	19.76	19.07	22.44	19.44
n77L	15	30	3500.01	CP	256QAM	Inner_Full	16.83	16.07	19.48	16.48
n77L	15	30	3500.01	CP	256QAM	Edge_1RB_Left	17.12	16.46	19.81	16.81

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n77L	15	30	3500.01	CP	256QAM	Edge_1RB_Right	17.30	16.58	19.97	16.97
n77L	15	30	3500.01	CP	256QAM	Outer_Full	16.67	16.00	19.36	16.36
n77L	15	30	3542.49	CP	QPSK	Inner_Full	21.37	21.28	24.33	21.33
n77L	15	30	3542.49	CP	QPSK	Edge_1RB_Left	19.97	19.74	22.86	19.86
n77L	15	30	3542.49	CP	QPSK	Edge_1RB_Right	20.11	19.67	22.9	19.9
n77L	15	30	3542.49	CP	QPSK	Outer_Full	19.99	19.62	22.82	19.82
n77L	15	30	3542.49	CP	16QAM	Inner_Full	20.92	20.73	23.84	20.84
n77L	15	30	3542.49	CP	16QAM	Edge_1RB_Left	20.10	19.99	23.06	20.06
n77L	15	30	3542.49	CP	16QAM	Edge_1RB_Right	20.26	19.85	23.07	20.07
n77L	15	30	3542.49	CP	16QAM	Outer_Full	20.05	19.65	22.87	19.87
n77L	15	30	3542.49	CP	64QAM	Inner_Full	19.33	19.14	22.25	19.25
n77L	15	30	3542.49	CP	64QAM	Edge_1RB_Left	19.49	19.69	22.6	19.6
n77L	15	30	3542.49	CP	64QAM	Edge_1RB_Right	19.84	19.63	22.74	19.74
n77L	15	30	3542.49	CP	64QAM	Outer_Full	19.47	19.19	22.35	19.35
n77L	15	30	3542.49	CP	256QAM	Inner_Full	16.46	16.33	19.41	16.41
n77L	15	30	3542.49	CP	256QAM	Edge_1RB_Left	17.02	16.84	19.94	16.94
n77L	15	30	3542.49	CP	256QAM	Edge_1RB_Right	17.17	16.77	19.99	16.99
n77L	15	30	3542.49	CP	256QAM	Outer_Full	16.42	16.21	19.32	16.32
n77L	20	30	3460.02	CP	QPSK	Inner_Full	21.35	21.10	24.24	21.24
n77L	20	30	3460.02	CP	QPSK	Edge_1RB_Left	20.19	19.75	22.99	19.99
n77L	20	30	3460.02	CP	QPSK	Edge_1RB_Right	19.98	19.85	22.93	19.93
n77L	20	30	3460.02	CP	QPSK	Outer_Full	19.73	19.68	22.72	19.72
n77L	20	30	3460.02	CP	16QAM	Inner_Full	20.81	20.58	23.71	20.71
n77L	20	30	3460.02	CP	16QAM	Edge_1RB_Left	20.05	19.75	22.91	19.91
n77L	20	30	3460.02	CP	16QAM	Edge_1RB_Right	19.78	20.02	22.91	19.91
n77L	20	30	3460.02	CP	16QAM	Outer_Full	19.73	19.62	22.68	19.68
n77L	20	30	3460.02	CP	64QAM	Inner_Full	19.38	19.14	22.27	19.27
n77L	20	30	3460.02	CP	64QAM	Edge_1RB_Left	19.78	19.44	22.62	19.62
n77L	20	30	3460.02	CP	64QAM	Edge_1RB_Right	19.61	19.45	22.54	19.54
n77L	20	30	3460.02	CP	64QAM	Outer_Full	19.25	19.16	22.22	19.22
n77L	20	30	3460.02	CP	256QAM	Inner_Full	16.36	16.26	19.32	16.32
n77L	20	30	3460.02	CP	256QAM	Edge_1RB_Left	17.11	16.75	19.94	16.94
n77L	20	30	3460.02	CP	256QAM	Edge_1RB_Right	16.92	16.76	19.85	16.85
n77L	20	30	3460.02	CP	256QAM	Outer_Full	16.38	16.20	19.3	16.3
n77L	20	30	3500.01	CP	QPSK	Inner_Full	21.73	21.01	24.4	21.4
n77L	20	30	3500.01	CP	QPSK	Edge_1RB_Left	20.07	19.54	22.82	19.82
n77L	20	30	3500.01	CP	QPSK	Edge_1RB_Right	20.34	19.50	22.95	19.95
n77L	20	30	3500.01	CP	QPSK	Outer_Full	20.22	19.56	22.91	19.91
n77L	20	30	3500.01	CP	16QAM	Inner_Full	21.24	20.53	23.91	20.91
n77L	20	30	3500.01	CP	16QAM	Edge_1RB_Left	20.29	19.67	23	20
n77L	20	30	3500.01	CP	16QAM	Edge_1RB_Right	20.48	19.63	23.08	20.08

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n77L	20	30	3500.01	CP	16QAM	Outer_Full	20.32	19.62	22.99	19.99
n77L	20	30	3500.01	CP	64QAM	Inner_Full	19.75	19.06	22.43	19.43
n77L	20	30	3500.01	CP	64QAM	Edge_1RB_Left	19.90	19.30	22.62	19.62
n77L	20	30	3500.01	CP	64QAM	Edge_1RB_Right	20.13	19.30	22.74	19.74
n77L	20	30	3500.01	CP	64QAM	Outer_Full	19.65	19.10	22.39	19.39
n77L	20	30	3500.01	CP	256QAM	Inner_Full	16.72	16.14	19.45	16.45
n77L	20	30	3500.01	CP	256QAM	Edge_1RB_Left	17.17	16.64	19.92	16.92
n77L	20	30	3500.01	CP	256QAM	Edge_1RB_Right	17.33	16.64	20.01	17.01
n77L	20	30	3500.01	CP	256QAM	Outer_Full	16.77	16.07	19.44	16.44
n77L	20	30	3540	CP	QPSK	Inner_Full	21.41	21.09	24.26	21.26
n77L	20	30	3540	CP	QPSK	Edge_1RB_Left	20.00	19.54	22.79	19.79
n77L	20	30	3540	CP	QPSK	Edge_1RB_Right	20.09	19.65	22.88	19.88
n77L	20	30	3540	CP	QPSK	Outer_Full	19.94	19.60	22.78	19.78
n77L	20	30	3540	CP	16QAM	Inner_Full	21.00	20.61	23.82	20.82
n77L	20	30	3540	CP	16QAM	Edge_1RB_Left	20.19	19.72	22.97	19.97
n77L	20	30	3540	CP	16QAM	Edge_1RB_Right	20.19	19.64	22.93	19.93
n77L	20	30	3540	CP	16QAM	Outer_Full	19.84	19.61	22.74	19.74
n77L	20	30	3540	CP	64QAM	Inner_Full	19.42	19.11	22.28	19.28
n77L	20	30	3540	CP	64QAM	Edge_1RB_Left	19.72	19.49	22.61	19.61
n77L	20	30	3540	CP	64QAM	Edge_1RB_Right	19.89	19.57	22.74	19.74
n77L	20	30	3540	CP	64QAM	Outer_Full	19.41	19.16	22.3	19.3
n77L	20	30	3540	CP	256QAM	Inner_Full	16.43	16.24	19.35	16.35
n77L	20	30	3540	CP	256QAM	Edge_1RB_Left	16.83	16.55	19.7	16.7
n77L	20	30	3540	CP	256QAM	Edge_1RB_Right	17.15	16.66	19.92	16.92
n77L	20	30	3540	CP	256QAM	Outer_Full	16.44	16.10	19.28	16.28
n77L	30	30	3465	CP	QPSK	Inner_Full	21.22	21.10	24.17	21.17
n77L	30	30	3465	CP	QPSK	Edge_1RB_Left	19.91	19.89	22.91	19.91
n77L	30	30	3465	CP	QPSK	Edge_1RB_Right	19.78	19.85	22.83	19.83
n77L	30	30	3465	CP	QPSK	Outer_Full	19.80	19.65	22.74	19.74
n77L	30	30	3465	CP	16QAM	Inner_Full	20.74	20.55	23.65	20.65
n77L	30	30	3465	CP	16QAM	Edge_1RB_Left	19.88	19.90	22.9	19.9
n77L	30	30	3465	CP	16QAM	Edge_1RB_Right	20.13	19.69	22.93	19.93
n77L	30	30	3465	CP	16QAM	Outer_Full	19.83	19.63	22.74	19.74
n77L	30	30	3465	CP	64QAM	Inner_Full	19.23	19.07	22.16	19.16
n77L	30	30	3465	CP	64QAM	Edge_1RB_Left	19.63	19.56	22.61	19.61
n77L	30	30	3465	CP	64QAM	Edge_1RB_Right	19.79	19.44	22.63	19.63
n77L	30	30	3465	CP	64QAM	Outer_Full	19.29	19.21	22.26	19.26
n77L	30	30	3465	CP	256QAM	Inner_Full	16.24	16.17	19.21	16.21
n77L	30	30	3465	CP	256QAM	Edge_1RB_Left	16.88	16.55	19.73	16.73
n77L	30	30	3465	CP	256QAM	Edge_1RB_Right	16.81	16.56	19.7	16.7
n77L	30	30	3465	CP	256QAM	Outer_Full	16.33	16.22	19.29	16.29

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n77L	30	30	3500.01	CP	QPSK	Inner_Full	21.74	21.18	24.48	21.48
n77L	30	30	3500.01	CP	QPSK	Edge_1RB_Left	20.09	19.93	23.02	20.02
n77L	30	30	3500.01	CP	QPSK	Edge_1RB_Right	20.28	19.77	23.04	20.04
n77L	30	30	3500.01	CP	QPSK	Outer_Full	20.33	19.75	23.06	20.06
n77L	30	30	3500.01	CP	16QAM	Inner_Full	21.21	20.66	23.96	20.96
n77L	30	30	3500.01	CP	16QAM	Edge_1RB_Left	20.06	20.00	23.04	20.04
n77L	30	30	3500.01	CP	16QAM	Edge_1RB_Right	20.25	19.92	23.1	20.1
n77L	30	30	3500.01	CP	16QAM	Outer_Full	20.25	19.64	22.96	19.96
n77L	30	30	3500.01	CP	64QAM	Inner_Full	19.76	19.19	22.5	19.5
n77L	30	30	3500.01	CP	64QAM	Edge_1RB_Left	19.77	19.68	22.73	19.73
n77L	30	30	3500.01	CP	64QAM	Edge_1RB_Right	20.07	19.56	22.83	19.83
n77L	30	30	3500.01	CP	64QAM	Outer_Full	19.79	19.21	22.52	19.52
n77L	30	30	3500.01	CP	256QAM	Inner_Full	16.76	16.13	19.46	16.46
n77L	30	30	3500.01	CP	256QAM	Edge_1RB_Left	17.06	16.99	20.04	17.04
n77L	30	30	3500.01	CP	256QAM	Edge_1RB_Right	17.30	16.82	20.08	17.08
n77L	30	30	3500.01	CP	256QAM	Outer_Full	16.82	16.32	19.59	16.59
n77L	30	30	3534.99	CP	QPSK	Inner_Full	21.57	21.30	24.45	21.45
n77L	30	30	3534.99	CP	QPSK	Edge_1RB_Left	20.06	19.98	23.03	20.03
n77L	30	30	3534.99	CP	QPSK	Edge_1RB_Right	20.13	19.90	23.03	20.03
n77L	30	30	3534.99	CP	QPSK	Outer_Full	19.99	19.94	22.98	19.98
n77L	30	30	3534.99	CP	16QAM	Inner_Full	21.06	20.78	23.93	20.93
n77L	30	30	3534.99	CP	16QAM	Edge_1RB_Left	20.56	19.95	23.28	20.28
n77L	30	30	3534.99	CP	16QAM	Edge_1RB_Right	20.49	19.96	23.24	20.24
n77L	30	30	3534.99	CP	16QAM	Outer_Full	20.10	19.87	22.99	19.99
n77L	30	30	3534.99	CP	64QAM	Inner_Full	19.49	19.44	22.47	19.47
n77L	30	30	3534.99	CP	64QAM	Edge_1RB_Left	20.07	19.62	22.86	19.86
n77L	30	30	3534.99	CP	64QAM	Edge_1RB_Right	20.08	19.53	22.83	19.83
n77L	30	30	3534.99	CP	64QAM	Outer_Full	19.59	19.37	22.49	19.49
n77L	30	30	3534.99	CP	256QAM	Inner_Full	16.43	16.40	19.43	16.43
n77L	30	30	3534.99	CP	256QAM	Edge_1RB_Left	17.16	16.94	20.06	17.06
n77L	30	30	3534.99	CP	256QAM	Edge_1RB_Right	17.18	16.98	20.09	17.09
n77L	30	30	3534.99	CP	256QAM	Outer_Full	16.57	16.47	19.53	16.53
n77L	40	30	3470.01	CP	QPSK	Inner_Full	21.36	21.23	24.3	21.3
n77L	40	30	3470.01	CP	QPSK	Edge_1RB_Left	20.14	19.70	22.94	19.94
n77L	40	30	3470.01	CP	QPSK	Edge_1RB_Right	20.31	19.86	23.1	20.1
n77L	40	30	3470.01	CP	QPSK	Outer_Full	19.91	19.76	22.85	19.85
n77L	40	30	3470.01	CP	16QAM	Inner_Full	20.91	20.71	23.82	20.82
n77L	40	30	3470.01	CP	16QAM	Edge_1RB_Left	20.14	20.15	23.15	20.15
n77L	40	30	3470.01	CP	16QAM	Edge_1RB_Right	20.29	20.24	23.28	20.28
n77L	40	30	3470.01	CP	16QAM	Outer_Full	20.15	19.71	22.95	19.95
n77L	40	30	3470.01	CP	64QAM	Inner_Full	19.24	19.14	22.2	19.2

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n77L	40	30	3470.01	CP	64QAM	Edge_1RB_Left	19.91	19.50	22.72	19.72
n77L	40	30	3470.01	CP	64QAM	Edge_1RB_Right	19.92	19.78	22.86	19.86
n77L	40	30	3470.01	CP	64QAM	Outer_Full	19.54	19.30	22.43	19.43
n77L	40	30	3470.01	CP	256QAM	Inner_Full	16.36	16.31	19.35	16.35
n77L	40	30	3470.01	CP	256QAM	Edge_1RB_Left	17.19	16.71	19.96	16.96
n77L	40	30	3470.01	CP	256QAM	Edge_1RB_Right	17.27	16.78	20.04	17.04
n77L	40	30	3470.01	CP	256QAM	Outer_Full	16.42	16.34	19.39	16.39
n77L	40	30	3500.01	CP	QPSK	Inner_Full	21.75	21.14	24.47	21.47
n77L	40	30	3500.01	CP	QPSK	Edge_1RB_Left	19.80	19.97	22.9	19.9
n77L	40	30	3500.01	CP	QPSK	Edge_1RB_Right	20.24	19.78	23.02	20.02
n77L	40	30	3500.01	CP	QPSK	Outer_Full	20.25	19.70	22.99	19.99
n77L	40	30	3500.01	CP	16QAM	Inner_Full	21.34	20.71	24.04	21.04
n77L	40	30	3500.01	CP	16QAM	Edge_1RB_Left	20.16	19.82	23	20
n77L	40	30	3500.01	CP	16QAM	Edge_1RB_Right	20.58	19.79	23.21	20.21
n77L	40	30	3500.01	CP	16QAM	Outer_Full	20.23	19.72	22.99	19.99
n77L	40	30	3500.01	CP	64QAM	Inner_Full	19.79	19.17	22.5	19.5
n77L	40	30	3500.01	CP	64QAM	Edge_1RB_Left	19.71	19.66	22.69	19.69
n77L	40	30	3500.01	CP	64QAM	Edge_1RB_Right	20.06	19.60	22.84	19.84
n77L	40	30	3500.01	CP	64QAM	Outer_Full	19.73	19.34	22.55	19.55
n77L	40	30	3500.01	CP	256QAM	Inner_Full	16.87	16.24	19.58	16.58
n77L	40	30	3500.01	CP	256QAM	Edge_1RB_Left	16.82	16.77	19.81	16.81
n77L	40	30	3500.01	CP	256QAM	Edge_1RB_Right	17.33	16.83	20.1	17.1
n77L	40	30	3500.01	CP	256QAM	Outer_Full	16.77	16.24	19.52	16.52
n77L	40	30	3529.98	CP	QPSK	Inner_Full	21.56	21.20	24.4	21.4
n77L	40	30	3529.98	CP	QPSK	Edge_1RB_Left	20.35	19.76	23.07	20.07
n77L	40	30	3529.98	CP	QPSK	Edge_1RB_Right	20.17	19.85	23.02	20.02
n77L	40	30	3529.98	CP	QPSK	Outer_Full	20.14	19.72	22.95	19.95
n77L	40	30	3529.98	CP	16QAM	Inner_Full	21.01	20.75	23.9	20.9
n77L	40	30	3529.98	CP	16QAM	Edge_1RB_Left	20.64	19.75	23.23	20.23
n77L	40	30	3529.98	CP	16QAM	Edge_1RB_Right	20.23	20.01	23.13	20.13
n77L	40	30	3529.98	CP	16QAM	Outer_Full	20.09	19.79	22.95	19.95
n77L	40	30	3529.98	CP	64QAM	Inner_Full	19.54	19.28	22.42	19.42
n77L	40	30	3529.98	CP	64QAM	Edge_1RB_Left	20.32	19.45	22.92	19.92
n77L	40	30	3529.98	CP	64QAM	Edge_1RB_Right	20.11	19.55	22.85	19.85
n77L	40	30	3529.98	CP	64QAM	Outer_Full	19.57	19.29	22.44	19.44
n77L	40	30	3529.98	CP	256QAM	Inner_Full	16.69	16.21	19.47	16.47
n77L	40	30	3529.98	CP	256QAM	Edge_1RB_Left	17.39	16.82	20.12	17.12
n77L	40	30	3529.98	CP	256QAM	Edge_1RB_Right	17.13	16.57	19.87	16.87
n77L	40	30	3529.98	CP	256QAM	Outer_Full	16.63	16.23	19.44	16.44
n77L	50	30	3475.02	CP	QPSK	Inner_Full	21.09	20.90	24.01	21.01
n77L	50	30	3475.02	CP	QPSK	Edge_1RB_Left	19.68	19.55	22.63	19.63

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n77L	50	30	3475.02	CP	QPSK	Edge_1RB_Right	20.06	19.44	22.77	19.77
n77L	50	30	3475.02	CP	QPSK	Outer_Full	19.72	19.45	22.6	19.6
n77L	50	30	3475.02	CP	16QAM	Inner_Full	20.58	20.38	23.49	20.49
n77L	50	30	3475.02	CP	16QAM	Edge_1RB_Left	20.13	19.51	22.84	19.84
n77L	50	30	3475.02	CP	16QAM	Edge_1RB_Right	20.32	19.47	22.93	19.93
n77L	50	30	3475.02	CP	16QAM	Outer_Full	19.76	19.41	22.6	19.6
n77L	50	30	3475.02	CP	64QAM	Inner_Full	19.14	18.76	21.97	18.97
n77L	50	30	3475.02	CP	64QAM	Edge_1RB_Left	19.65	19.22	22.45	19.45
n77L	50	30	3475.02	CP	64QAM	Edge_1RB_Right	19.73	19.20	22.48	19.48
n77L	50	30	3475.02	CP	64QAM	Outer_Full	19.17	18.92	22.06	19.06
n77L	50	30	3475.02	CP	256QAM	Inner_Full	16.18	15.92	19.06	16.06
n77L	50	30	3475.02	CP	256QAM	Edge_1RB_Left	16.62	16.33	19.49	16.49
n77L	50	30	3475.02	CP	256QAM	Edge_1RB_Right	16.95	16.43	19.71	16.71
n77L	50	30	3475.02	CP	256QAM	Outer_Full	16.25	15.94	19.11	16.11
n77L	50	30	3500.01	CP	QPSK	Inner_Full	21.47	20.96	24.24	21.24
n77L	50	30	3500.01	CP	QPSK	Edge_1RB_Left	19.81	19.57	22.7	19.7
n77L	50	30	3500.01	CP	QPSK	Edge_1RB_Right	19.91	19.49	22.72	19.72
n77L	50	30	3500.01	CP	QPSK	Outer_Full	19.98	19.55	22.78	19.78
n77L	50	30	3500.01	CP	16QAM	Inner_Full	21.04	20.59	23.83	20.83
n77L	50	30	3500.01	CP	16QAM	Edge_1RB_Left	19.60	19.74	22.68	19.68
n77L	50	30	3500.01	CP	16QAM	Edge_1RB_Right	20.09	19.53	22.83	19.83
n77L	50	30	3500.01	CP	16QAM	Outer_Full	20.02	19.52	22.79	19.79
n77L	50	30	3500.01	CP	64QAM	Inner_Full	19.63	18.97	22.32	19.32
n77L	50	30	3500.01	CP	64QAM	Edge_1RB_Left	19.61	19.34	22.49	19.49
n77L	50	30	3500.01	CP	64QAM	Edge_1RB_Right	19.76	19.25	22.52	19.52
n77L	50	30	3500.01	CP	64QAM	Outer_Full	19.47	18.98	22.24	19.24
n77L	50	30	3500.01	CP	256QAM	Inner_Full	16.56	16.07	19.33	16.33
n77L	50	30	3500.01	CP	256QAM	Edge_1RB_Left	16.53	16.46	19.5	16.5
n77L	50	30	3500.01	CP	256QAM	Edge_1RB_Right	16.92	16.32	19.64	16.64
n77L	50	30	3500.01	CP	256QAM	Outer_Full	16.44	15.96	19.21	16.21
n77L	50	30	3525	CP	QPSK	Inner_Full	21.29	20.90	24.11	21.11
n77L	50	30	3525	CP	QPSK	Edge_1RB_Left	20.04	19.49	22.78	19.78
n77L	50	30	3525	CP	QPSK	Edge_1RB_Right	19.82	19.47	22.66	19.66
n77L	50	30	3525	CP	QPSK	Outer_Full	19.94	19.38	22.68	19.68
n77L	50	30	3525	CP	16QAM	Inner_Full	20.85	20.45	23.67	20.67
n77L	50	30	3525	CP	16QAM	Edge_1RB_Left	20.34	19.47	22.94	19.94
n77L	50	30	3525	CP	16QAM	Edge_1RB_Right	19.82	19.55	22.7	19.7
n77L	50	30	3525	CP	16QAM	Outer_Full	19.94	19.52	22.74	19.74
n77L	50	30	3525	CP	64QAM	Inner_Full	19.36	18.79	22.1	19.1
n77L	50	30	3525	CP	64QAM	Edge_1RB_Left	19.86	19.31	22.61	19.61
n77L	50	30	3525	CP	64QAM	Edge_1RB_Right	19.72	19.10	22.43	19.43

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n77L	50	30	3525	CP	64QAM	Outer_Full	19.43	18.94	22.2	19.2
n77L	50	30	3525	CP	256QAM	Inner_Full	16.41	15.89	19.17	16.17
n77L	50	30	3525	CP	256QAM	Edge_1RB_Left	17.18	16.58	19.9	16.9
n77L	50	30	3525	CP	256QAM	Edge_1RB_Right	16.78	16.18	19.5	16.5
n77L	50	30	3525	CP	256QAM	Outer_Full	16.39	15.89	19.16	16.16
n77L	60	30	3480	CP	QPSK	Inner_Full	21.21	21.15	24.19	21.19
n77L	60	30	3480	CP	QPSK	Edge_1RB_Left	19.78	19.43	22.62	19.62
n77L	60	30	3480	CP	QPSK	Edge_1RB_Right	20.21	19.42	22.84	19.84
n77L	60	30	3480	CP	QPSK	Outer_Full	19.85	19.53	22.7	19.7
n77L	60	30	3480	CP	16QAM	Inner_Full	20.77	20.58	23.68	20.68
n77L	60	30	3480	CP	16QAM	Edge_1RB_Left	19.96	19.54	22.77	19.77
n77L	60	30	3480	CP	16QAM	Edge_1RB_Right	20.09	19.69	22.9	19.9
n77L	60	30	3480	CP	16QAM	Outer_Full	19.81	19.53	22.68	19.68
n77L	60	30	3480	CP	64QAM	Inner_Full	19.27	19.14	22.21	19.21
n77L	60	30	3480	CP	64QAM	Edge_1RB_Left	19.53	19.38	22.47	19.47
n77L	60	30	3480	CP	64QAM	Edge_1RB_Right	19.87	19.31	22.61	19.61
n77L	60	30	3480	CP	64QAM	Outer_Full	19.43	19.05	22.25	19.25
n77L	60	30	3480	CP	256QAM	Inner_Full	16.27	16.17	19.23	16.23
n77L	60	30	3480	CP	256QAM	Edge_1RB_Left	16.59	16.40	19.51	16.51
n77L	60	30	3480	CP	256QAM	Edge_1RB_Right	16.83	16.40	19.63	16.63
n77L	60	30	3480	CP	256QAM	Outer_Full	16.39	16.04	19.23	16.23
n77L	60	30	3500.01	CP	QPSK	Inner_Full	21.58	21.04	24.33	21.33
n77L	60	30	3500.01	CP	QPSK	Edge_1RB_Left	19.62	19.49	22.56	19.56
n77L	60	30	3500.01	CP	QPSK	Edge_1RB_Right	19.94	19.47	22.72	19.72
n77L	60	30	3500.01	CP	QPSK	Outer_Full	19.99	19.54	22.78	19.78
n77L	60	30	3500.01	CP	16QAM	Inner_Full	21.00	20.50	23.77	20.77
n77L	60	30	3500.01	CP	16QAM	Edge_1RB_Left	19.79	19.47	22.65	19.65
n77L	60	30	3500.01	CP	16QAM	Edge_1RB_Right	20.00	19.49	22.76	19.76
n77L	60	30	3500.01	CP	16QAM	Outer_Full	20.00	19.47	22.75	19.75
n77L	60	30	3500.01	CP	64QAM	Inner_Full	19.56	19.07	22.33	19.33
n77L	60	30	3500.01	CP	64QAM	Edge_1RB_Left	19.30	19.33	22.32	19.32
n77L	60	30	3500.01	CP	64QAM	Edge_1RB_Right	19.69	19.29	22.51	19.51
n77L	60	30	3500.01	CP	64QAM	Outer_Full	19.53	19.02	22.29	19.29
n77L	60	30	3500.01	CP	256QAM	Inner_Full	16.64	16.07	19.37	16.37
n77L	60	30	3500.01	CP	256QAM	Edge_1RB_Left	16.65	16.53	19.6	16.6
n77L	60	30	3500.01	CP	256QAM	Edge_1RB_Right	16.97	16.51	19.76	16.76
n77L	60	30	3500.01	CP	256QAM	Outer_Full	16.50	16.05	19.29	16.29
n77L	60	30	3519.99	CP	QPSK	Inner_Full	21.58	21.10	24.36	21.36
n77L	60	30	3519.99	CP	QPSK	Edge_1RB_Left	19.95	19.42	22.71	19.71
n77L	60	30	3519.99	CP	QPSK	Edge_1RB_Right	19.80	19.43	22.63	19.63
n77L	60	30	3519.99	CP	QPSK	Outer_Full	20.02	19.58	22.82	19.82

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n77L	60	30	3519.99	CP	16QAM	Inner_Full	20.98	20.60	23.8	20.8
n77L	60	30	3519.99	CP	16QAM	Edge_1RB_Left	19.99	19.82	22.92	19.92
n77L	60	30	3519.99	CP	16QAM	Edge_1RB_Right	19.83	19.72	22.79	19.79
n77L	60	30	3519.99	CP	16QAM	Outer_Full	19.99	19.56	22.79	19.79
n77L	60	30	3519.99	CP	64QAM	Inner_Full	19.51	19.08	22.31	19.31
n77L	60	30	3519.99	CP	64QAM	Edge_1RB_Left	19.71	19.41	22.57	19.57
n77L	60	30	3519.99	CP	64QAM	Edge_1RB_Right	19.64	19.22	22.45	19.45
n77L	60	30	3519.99	CP	64QAM	Outer_Full	19.57	19.08	22.34	19.34
n77L	60	30	3519.99	CP	256QAM	Inner_Full	16.63	16.12	19.39	16.39
n77L	60	30	3519.99	CP	256QAM	Edge_1RB_Left	16.97	16.53	19.77	16.77
n77L	60	30	3519.99	CP	256QAM	Edge_1RB_Right	16.60	16.52	19.57	16.57
n77L	60	30	3519.99	CP	256QAM	Outer_Full	16.57	16.00	19.3	16.3
n77L	70	30	3485.01	CP	QPSK	Inner_Full	21.19	20.85	24.03	21.03
n77L	70	30	3485.01	CP	QPSK	Edge_1RB_Left	19.52	19.43	22.48	19.48
n77L	70	30	3485.01	CP	QPSK	Edge_1RB_Right	19.64	19.30	22.49	19.49
n77L	70	30	3485.01	CP	QPSK	Outer_Full	19.63	19.27	22.47	19.47
n77L	70	30	3485.01	CP	16QAM	Inner_Full	20.70	20.30	23.51	20.51
n77L	70	30	3485.01	CP	16QAM	Edge_1RB_Left	19.87	19.35	22.63	19.63
n77L	70	30	3485.01	CP	16QAM	Edge_1RB_Right	20.19	19.31	22.78	19.78
n77L	70	30	3485.01	CP	16QAM	Outer_Full	19.66	19.29	22.49	19.49
n77L	70	30	3485.01	CP	64QAM	Inner_Full	19.04	18.79	21.93	18.93
n77L	70	30	3485.01	CP	64QAM	Edge_1RB_Left	19.37	19.23	22.31	19.31
n77L	70	30	3485.01	CP	64QAM	Edge_1RB_Right	19.45	19.14	22.31	19.31
n77L	70	30	3485.01	CP	64QAM	Outer_Full	19.18	18.79	22	19
n77L	70	30	3485.01	CP	256QAM	Inner_Full	16.07	15.91	19	16
n77L	70	30	3485.01	CP	256QAM	Edge_1RB_Left	16.59	16.41	19.51	16.51
n77L	70	30	3485.01	CP	256QAM	Edge_1RB_Right	16.70	16.31	19.52	16.52
n77L	70	30	3485.01	CP	256QAM	Outer_Full	16.15	15.87	19.02	16.02
n77L	70	30	3500.01	CP	QPSK	Inner_Full	21.31	20.91	24.12	21.12
n77L	70	30	3500.01	CP	QPSK	Edge_1RB_Left	19.38	19.54	22.47	19.47
n77L	70	30	3500.01	CP	QPSK	Edge_1RB_Right	19.60	19.35	22.48	19.48
n77L	70	30	3500.01	CP	QPSK	Outer_Full	19.80	19.40	22.61	19.61
n77L	70	30	3500.01	CP	16QAM	Inner_Full	20.91	20.38	23.66	20.66
n77L	70	30	3500.01	CP	16QAM	Edge_1RB_Left	19.46	19.57	22.52	19.52
n77L	70	30	3500.01	CP	16QAM	Edge_1RB_Right	19.61	19.56	22.6	19.6
n77L	70	30	3500.01	CP	16QAM	Outer_Full	19.81	19.40	22.62	19.62
n77L	70	30	3500.01	CP	64QAM	Inner_Full	19.37	18.83	22.12	19.12
n77L	70	30	3500.01	CP	64QAM	Edge_1RB_Left	19.19	19.18	22.19	19.19
n77L	70	30	3500.01	CP	64QAM	Edge_1RB_Right	19.50	19.08	22.3	19.3
n77L	70	30	3500.01	CP	64QAM	Outer_Full	19.26	18.88	22.09	19.09
n77L	70	30	3500.01	CP	256QAM	Inner_Full	16.34	15.85	19.11	16.11

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n77L	70	30	3500.01	CP	256QAM	Edge_1RB_Left	16.39	16.17	19.29	16.29
n77L	70	30	3500.01	CP	256QAM	Edge_1RB_Right	16.52	16.17	19.36	16.36
n77L	70	30	3500.01	CP	256QAM	Outer_Full	16.21	15.87	19.06	16.06
n77L	70	30	3514.98	CP	QPSK	Inner_Full	21.44	20.96	24.22	21.22
n77L	70	30	3514.98	CP	QPSK	Edge_1RB_Left	19.50	19.59	22.55	19.55
n77L	70	30	3514.98	CP	QPSK	Edge_1RB_Right	19.73	19.39	22.57	19.57
n77L	70	30	3514.98	CP	QPSK	Outer_Full	19.91	19.46	22.7	19.7
n77L	70	30	3514.98	CP	16QAM	Inner_Full	20.96	20.52	23.76	20.76
n77L	70	30	3514.98	CP	16QAM	Edge_1RB_Left	19.53	19.74	22.64	19.64
n77L	70	30	3514.98	CP	16QAM	Edge_1RB_Right	19.89	19.32	22.62	19.62
n77L	70	30	3514.98	CP	16QAM	Outer_Full	19.85	19.51	22.69	19.69
n77L	70	30	3514.98	CP	64QAM	Inner_Full	19.48	19.00	22.26	19.26
n77L	70	30	3514.98	CP	64QAM	Edge_1RB_Left	19.29	19.40	22.36	19.36
n77L	70	30	3514.98	CP	64QAM	Edge_1RB_Right	19.46	19.16	22.32	19.32
n77L	70	30	3514.98	CP	64QAM	Outer_Full	19.38	18.96	22.19	19.19
n77L	70	30	3514.98	CP	256QAM	Inner_Full	16.45	15.91	19.2	16.2
n77L	70	30	3514.98	CP	256QAM	Edge_1RB_Left	16.54	16.66	19.61	16.61
n77L	70	30	3514.98	CP	256QAM	Edge_1RB_Right	16.67	16.38	19.54	16.54
n77L	70	30	3514.98	CP	256QAM	Outer_Full	16.37	16.04	19.22	16.22
n77L	80	30	3490.02	CP	QPSK	Inner_Full	21.22	20.99	24.12	21.12
n77L	80	30	3490.02	CP	QPSK	Edge_1RB_Left	19.43	19.49	22.47	19.47
n77L	80	30	3490.02	CP	QPSK	Edge_1RB_Right	19.66	19.45	22.56	19.56
n77L	80	30	3490.02	CP	QPSK	Outer_Full	19.70	19.48	22.6	19.6
n77L	80	30	3490.02	CP	16QAM	Inner_Full	20.77	20.41	23.61	20.61
n77L	80	30	3490.02	CP	16QAM	Edge_1RB_Left	19.48	19.56	22.53	19.53
n77L	80	30	3490.02	CP	16QAM	Edge_1RB_Right	19.91	19.34	22.65	19.65
n77L	80	30	3490.02	CP	16QAM	Outer_Full	19.67	19.41	22.55	19.55
n77L	80	30	3490.02	CP	64QAM	Inner_Full	19.25	18.87	22.07	19.07
n77L	80	30	3490.02	CP	64QAM	Edge_1RB_Left	19.38	19.05	22.23	19.23
n77L	80	30	3490.02	CP	64QAM	Edge_1RB_Right	19.59	19.15	22.39	19.39
n77L	80	30	3490.02	CP	64QAM	Outer_Full	19.29	19.03	22.17	19.17
n77L	80	30	3490.02	CP	256QAM	Inner_Full	16.31	15.87	19.11	16.11
n77L	80	30	3490.02	CP	256QAM	Edge_1RB_Left	16.52	16.23	19.39	16.39
n77L	80	30	3490.02	CP	256QAM	Edge_1RB_Right	16.57	16.14	19.37	16.37
n77L	80	30	3490.02	CP	256QAM	Outer_Full	16.23	15.87	19.06	16.06
n77L	80	30	3500.01	CP	QPSK	Inner_Full	21.21	20.91	24.07	21.07
n77L	80	30	3500.01	CP	QPSK	Edge_1RB_Left	19.39	19.52	22.46	19.46
n77L	80	30	3500.01	CP	QPSK	Edge_1RB_Right	19.54	19.38	22.47	19.47
n77L	80	30	3500.01	CP	QPSK	Outer_Full	19.76	19.32	22.55	19.55
n77L	80	30	3500.01	CP	16QAM	Inner_Full	20.88	20.31	23.61	20.61
n77L	80	30	3500.01	CP	16QAM	Edge_1RB_Left	19.62	19.35	22.49	19.49

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n77L	80	30	3500.01	CP	16QAM	Edge_1RB_Right	19.90	19.34	22.64	19.64
n77L	80	30	3500.01	CP	16QAM	Outer_Full	19.74	19.39	22.58	19.58
n77L	80	30	3500.01	CP	64QAM	Inner_Full	19.37	18.82	22.11	19.11
n77L	80	30	3500.01	CP	64QAM	Edge_1RB_Left	19.14	19.18	22.17	19.17
n77L	80	30	3500.01	CP	64QAM	Edge_1RB_Right	19.57	19.10	22.35	19.35
n77L	80	30	3500.01	CP	64QAM	Outer_Full	19.30	18.84	22.09	19.09
n77L	80	30	3500.01	CP	256QAM	Inner_Full	16.40	15.83	19.13	16.13
n77L	80	30	3500.01	CP	256QAM	Edge_1RB_Left	16.47	16.32	19.41	16.41
n77L	80	30	3500.01	CP	256QAM	Edge_1RB_Right	16.65	16.20	19.44	16.44
n77L	80	30	3500.01	CP	256QAM	Outer_Full	16.21	15.87	19.05	16.05
n77L	80	30	3510	CP	QPSK	Inner_Full	21.37	20.98	24.19	21.19
n77L	80	30	3510	CP	QPSK	Edge_1RB_Left	19.25	19.42	22.35	19.35
n77L	80	30	3510	CP	QPSK	Edge_1RB_Right	19.72	19.42	22.58	19.58
n77L	80	30	3510	CP	QPSK	Outer_Full	19.76	19.41	22.6	19.6
n77L	80	30	3510	CP	16QAM	Inner_Full	20.85	20.36	23.62	20.62
n77L	80	30	3510	CP	16QAM	Edge_1RB_Left	19.31	19.58	22.46	19.46
n77L	80	30	3510	CP	16QAM	Edge_1RB_Right	19.86	19.28	22.59	19.59
n77L	80	30	3510	CP	16QAM	Outer_Full	19.74	19.39	22.58	19.58
n77L	80	30	3510	CP	64QAM	Inner_Full	19.34	18.88	22.13	19.13
n77L	80	30	3510	CP	64QAM	Edge_1RB_Left	19.25	19.17	22.22	19.22
n77L	80	30	3510	CP	64QAM	Edge_1RB_Right	19.36	19.13	22.25	19.25
n77L	80	30	3510	CP	64QAM	Outer_Full	19.29	18.94	22.13	19.13
n77L	80	30	3510	CP	256QAM	Inner_Full	16.42	15.85	19.15	16.15
n77L	80	30	3510	CP	256QAM	Edge_1RB_Left	16.31	16.23	19.28	16.28
n77L	80	30	3510	CP	256QAM	Edge_1RB_Right	16.66	16.13	19.41	16.41
n77L	80	30	3510	CP	256QAM	Outer_Full	16.31	15.87	19.11	16.11
n77L	90	30	3495	CP	QPSK	Inner_Full	21.31	20.71	24.03	21.03
n77L	90	30	3495	CP	QPSK	Edge_1RB_Left	19.60	19.37	22.49	19.49
n77L	90	30	3495	CP	QPSK	Edge_1RB_Right	19.64	19.44	22.55	19.55
n77L	90	30	3495	CP	QPSK	Outer_Full	19.72	19.30	22.53	19.53
n77L	90	30	3495	CP	16QAM	Inner_Full	20.90	20.33	23.64	20.64
n77L	90	30	3495	CP	16QAM	Edge_1RB_Left	19.83	19.29	22.58	19.58
n77L	90	30	3495	CP	16QAM	Edge_1RB_Right	19.95	19.51	22.75	19.75
n77L	90	30	3495	CP	16QAM	Outer_Full	19.78	19.32	22.57	19.57
n77L	90	30	3495	CP	64QAM	Inner_Full	19.31	18.83	22.08	19.08
n77L	90	30	3495	CP	64QAM	Edge_1RB_Left	19.36	19.14	22.26	19.26
n77L	90	30	3495	CP	64QAM	Edge_1RB_Right	19.39	19.26	22.34	19.34
n77L	90	30	3495	CP	64QAM	Outer_Full	19.21	18.81	22.02	19.02
n77L	90	30	3495	CP	256QAM	Inner_Full	16.34	15.78	19.08	16.08
n77L	90	30	3495	CP	256QAM	Edge_1RB_Left	16.50	16.14	19.33	16.33
n77L	90	30	3495	CP	256QAM	Edge_1RB_Right	16.58	16.28	19.44	16.44

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n77L	90	30	3495	CP	256QAM	Outer_Full	16.27	15.78	19.04	16.04
n77L	90	30	3500.01	CP	QPSK	Inner_Full	21.37	20.93	24.16	21.16
n77L	90	30	3500.01	CP	QPSK	Edge_1RB_Left	19.54	19.38	22.47	19.47
n77L	90	30	3500.01	CP	QPSK	Edge_1RB_Right	19.64	19.45	22.56	19.56
n77L	90	30	3500.01	CP	QPSK	Outer_Full	19.78	19.36	22.59	19.59
n77L	90	30	3500.01	CP	16QAM	Inner_Full	20.83	20.37	23.62	20.62
n77L	90	30	3500.01	CP	16QAM	Edge_1RB_Left	19.48	19.50	22.5	19.5
n77L	90	30	3500.01	CP	16QAM	Edge_1RB_Right	19.94	19.47	22.73	19.73
n77L	90	30	3500.01	CP	16QAM	Outer_Full	19.81	19.42	22.63	19.63
n77L	90	30	3500.01	CP	64QAM	Inner_Full	19.40	18.93	22.18	19.18
n77L	90	30	3500.01	CP	64QAM	Edge_1RB_Left	19.38	19.12	22.27	19.27
n77L	90	30	3500.01	CP	64QAM	Edge_1RB_Right	19.55	19.29	22.43	19.43
n77L	90	30	3500.01	CP	64QAM	Outer_Full	19.33	18.85	22.1	19.1
n77L	90	30	3500.01	CP	256QAM	Inner_Full	16.38	15.82	19.12	16.12
n77L	90	30	3500.01	CP	256QAM	Edge_1RB_Left	16.60	16.41	19.52	16.52
n77L	90	30	3500.01	CP	256QAM	Edge_1RB_Right	16.70	16.58	19.65	16.65
n77L	90	30	3500.01	CP	256QAM	Outer_Full	16.28	15.96	19.13	16.13
n77L	90	30	3504.99	CP	QPSK	Inner_Full	21.44	20.99	24.23	21.23
n77L	90	30	3504.99	CP	QPSK	Edge_1RB_Left	19.49	19.42	22.47	19.47
n77L	90	30	3504.99	CP	QPSK	Edge_1RB_Right	19.73	19.55	22.65	19.65
n77L	90	30	3504.99	CP	QPSK	Outer_Full	19.88	19.46	22.69	19.69
n77L	90	30	3504.99	CP	16QAM	Inner_Full	21.02	20.50	23.77	20.77
n77L	90	30	3504.99	CP	16QAM	Edge_1RB_Left	19.47	19.57	22.53	19.53
n77L	90	30	3504.99	CP	16QAM	Edge_1RB_Right	20.06	19.49	22.79	19.79
n77L	90	30	3504.99	CP	16QAM	Outer_Full	19.87	19.54	22.72	19.72
n77L	90	30	3504.99	CP	64QAM	Inner_Full	19.55	19.00	22.29	19.29
n77L	90	30	3504.99	CP	64QAM	Edge_1RB_Left	19.35	19.12	22.25	19.25
n77L	90	30	3504.99	CP	64QAM	Edge_1RB_Right	19.70	19.16	22.45	19.45
n77L	90	30	3504.99	CP	64QAM	Outer_Full	19.36	18.96	22.18	19.18
n77L	90	30	3504.99	CP	256QAM	Inner_Full	16.47	15.98	19.24	16.24
n77L	90	30	3504.99	CP	256QAM	Edge_1RB_Left	16.51	16.41	19.47	16.47
n77L	90	30	3504.99	CP	256QAM	Edge_1RB_Right	16.75	16.55	19.66	16.66
n77L	90	30	3504.99	CP	256QAM	Outer_Full	16.38	15.97	19.19	16.19

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NR n77H MIMO

BAND	BW(MHz)	SCS(kHz)	FREQ(MHz)	OFDM	MODULATION	RB LOCATION	Port0 Power (dBm)	Port3 Power (dBm)	Total Conducted Power(dBm)	EIRP(dBm) (MAX Gt - Lc = -3)
n77H	10	30	3705	CP	QPSK	Inner_Full	21.15	20.96	24.07	21.07
n77H	10	30	3705	CP	QPSK	Edge_1RB_Left	19.47	19.51	22.51	19.51
n77H	10	30	3705	CP	QPSK	Edge_1RB_Right	19.45	19.52	22.5	19.5
n77H	10	30	3705	CP	QPSK	Outer_Full	19.58	19.52	22.56	19.56
n77H	10	30	3705	CP	16QAM	Inner_Full	20.62	20.56	23.6	20.6
n77H	10	30	3705	CP	16QAM	Edge_1RB_Left	19.69	19.59	22.65	19.65
n77H	10	30	3705	CP	16QAM	Edge_1RB_Right	19.95	19.62	22.8	19.8
n77H	10	30	3705	CP	16QAM	Outer_Full	19.56	19.50	22.54	19.54
n77H	10	30	3705	CP	64QAM	Inner_Full	19.13	19.08	22.12	19.12
n77H	10	30	3705	CP	64QAM	Edge_1RB_Left	19.53	19.18	22.37	19.37
n77H	10	30	3705	CP	64QAM	Edge_1RB_Right	19.19	19.41	22.31	19.31
n77H	10	30	3705	CP	64QAM	Outer_Full	19.12	18.97	22.06	19.06
n77H	10	30	3705	CP	256QAM	Inner_Full	16.06	15.90	18.99	15.99
n77H	10	30	3705	CP	256QAM	Edge_1RB_Left	16.58	16.52	19.56	16.56
n77H	10	30	3705	CP	256QAM	Edge_1RB_Right	16.52	16.57	19.56	16.56
n77H	10	30	3705	CP	256QAM	Outer_Full	16.05	15.97	19.02	16.02
n77H	10	30	3840	CP	QPSK	Inner_Full	21.16	20.85	24.02	21.02
n77H	10	30	3840	CP	QPSK	Edge_1RB_Left	19.54	19.47	22.51	19.51
n77H	10	30	3840	CP	QPSK	Edge_1RB_Right	19.45	19.44	22.46	19.46
n77H	10	30	3840	CP	QPSK	Outer_Full	19.65	19.38	22.53	19.53
n77H	10	30	3840	CP	16QAM	Inner_Full	20.67	20.43	23.56	20.56
n77H	10	30	3840	CP	16QAM	Edge_1RB_Left	19.93	19.61	22.78	19.78
n77H	10	30	3840	CP	16QAM	Edge_1RB_Right	20.04	19.46	22.77	19.77
n77H	10	30	3840	CP	16QAM	Outer_Full	19.68	19.40	22.55	19.55
n77H	10	30	3840	CP	64QAM	Inner_Full	19.21	18.85	22.04	19.04
n77H	10	30	3840	CP	64QAM	Edge_1RB_Left	19.32	19.27	22.3	19.3
n77H	10	30	3840	CP	64QAM	Edge_1RB_Right	19.59	19.12	22.37	19.37
n77H	10	30	3840	CP	64QAM	Outer_Full	19.19	18.90	22.06	19.06
n77H	10	30	3840	CP	256QAM	Inner_Full	16.11	15.80	18.97	15.97
n77H	10	30	3840	CP	256QAM	Edge_1RB_Left	16.64	16.48	19.57	16.57
n77H	10	30	3840	CP	256QAM	Edge_1RB_Right	16.59	16.43	19.52	16.52
n77H	10	30	3840	CP	256QAM	Outer_Full	16.10	15.92	19.02	16.02
n77H	10	30	3975	CP	QPSK	Inner_Full	20.79	20.83	23.82	20.82
n77H	10	30	3975	CP	QPSK	Edge_1RB_Left	19.21	19.44	22.34	19.34
n77H	10	30	3975	CP	QPSK	Edge_1RB_Right	19.05	19.47	22.28	19.28
n77H	10	30	3975	CP	QPSK	Outer_Full	19.29	19.48	22.4	19.4
n77H	10	30	3975	CP	16QAM	Inner_Full	20.22	20.51	23.38	20.38

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n77H	10	30	3975	CP	16QAM	Edge_1RB_Left	19.54	19.37	22.47	19.47
n77H	10	30	3975	CP	16QAM	Edge_1RB_Right	19.35	19.51	22.44	19.44
n77H	10	30	3975	CP	16QAM	Outer_Full	19.29	19.41	22.36	19.36
n77H	10	30	3975	CP	64QAM	Inner_Full	18.77	18.91	21.85	18.85
n77H	10	30	3975	CP	64QAM	Edge_1RB_Left	19.14	19.28	22.22	19.22
n77H	10	30	3975	CP	64QAM	Edge_1RB_Right	19.02	19.27	22.16	19.16
n77H	10	30	3975	CP	64QAM	Outer_Full	18.88	18.95	21.93	18.93
n77H	10	30	3975	CP	256QAM	Inner_Full	15.73	15.92	18.83	15.83
n77H	10	30	3975	CP	256QAM	Edge_1RB_Left	16.25	16.21	19.24	16.24
n77H	10	30	3975	CP	256QAM	Edge_1RB_Right	16.19	16.51	19.36	16.36
n77H	10	30	3975	CP	256QAM	Outer_Full	15.77	16.01	18.9	15.9
n77H	15	30	3707.52	CP	QPSK	Inner_Full	21.12	21.21	24.18	21.18
n77H	15	30	3707.52	CP	QPSK	Edge_1RB_Left	19.73	19.71	22.73	19.73
n77H	15	30	3707.52	CP	QPSK	Edge_1RB_Right	19.69	19.72	22.72	19.72
n77H	15	30	3707.52	CP	QPSK	Outer_Full	19.81	19.69	22.76	19.76
n77H	15	30	3707.52	CP	16QAM	Inner_Full	20.71	20.67	23.7	20.7
n77H	15	30	3707.52	CP	16QAM	Edge_1RB_Left	20.12	19.67	22.91	19.91
n77H	15	30	3707.52	CP	16QAM	Edge_1RB_Right	19.84	19.82	22.84	19.84
n77H	15	30	3707.52	CP	16QAM	Outer_Full	19.73	19.59	22.67	19.67
n77H	15	30	3707.52	CP	64QAM	Inner_Full	19.18	19.17	22.18	19.18
n77H	15	30	3707.52	CP	64QAM	Edge_1RB_Left	19.67	19.41	22.56	19.56
n77H	15	30	3707.52	CP	64QAM	Edge_1RB_Right	19.54	19.47	22.51	19.51
n77H	15	30	3707.52	CP	64QAM	Outer_Full	19.25	19.15	22.21	19.21
n77H	15	30	3707.52	CP	256QAM	Inner_Full	16.26	16.15	19.21	16.21
n77H	15	30	3707.52	CP	256QAM	Edge_1RB_Left	16.70	16.70	19.71	16.71
n77H	15	30	3707.52	CP	256QAM	Edge_1RB_Right	16.75	16.72	19.75	16.75
n77H	15	30	3707.52	CP	256QAM	Outer_Full	16.19	16.14	19.18	16.18
n77H	15	30	3840	CP	QPSK	Inner_Full	21.31	20.95	24.14	21.14
n77H	15	30	3840	CP	QPSK	Edge_1RB_Left	19.70	19.59	22.65	19.65
n77H	15	30	3840	CP	QPSK	Edge_1RB_Right	19.74	19.53	22.65	19.65
n77H	15	30	3840	CP	QPSK	Outer_Full	19.75	19.59	22.68	19.68
n77H	15	30	3840	CP	16QAM	Inner_Full	20.82	20.50	23.68	20.68
n77H	15	30	3840	CP	16QAM	Edge_1RB_Left	19.72	19.77	22.76	19.76
n77H	15	30	3840	CP	16QAM	Edge_1RB_Right	20.18	19.46	22.85	19.85
n77H	15	30	3840	CP	16QAM	Outer_Full	19.82	19.48	22.66	19.66
n77H	15	30	3840	CP	64QAM	Inner_Full	19.23	18.93	22.09	19.09
n77H	15	30	3840	CP	64QAM	Edge_1RB_Left	19.71	19.32	22.53	19.53
n77H	15	30	3840	CP	64QAM	Edge_1RB_Right	19.52	19.27	22.41	19.41
n77H	15	30	3840	CP	64QAM	Outer_Full	19.27	19.01	22.15	19.15
n77H	15	30	3840	CP	256QAM	Inner_Full	16.25	16.08	19.17	16.17
n77H	15	30	3840	CP	256QAM	Edge_1RB_Left	16.70	16.63	19.67	16.67

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n77H	15	30	3840	CP	256QAM	Edge_1RB_Right	16.90	16.58	19.75	16.75
n77H	15	30	3840	CP	256QAM	Outer_Full	16.24	16.10	19.18	16.18
n77H	15	30	3972.48	CP	QPSK	Inner_Full	20.93	21.34	24.15	21.15
n77H	15	30	3972.48	CP	QPSK	Edge_1RB_Left	19.85	19.82	22.84	19.84
n77H	15	30	3972.48	CP	QPSK	Edge_1RB_Right	19.42	19.83	22.64	19.64
n77H	15	30	3972.48	CP	QPSK	Outer_Full	19.59	19.75	22.68	19.68
n77H	15	30	3972.48	CP	16QAM	Inner_Full	20.58	20.71	23.65	20.65
n77H	15	30	3972.48	CP	16QAM	Edge_1RB_Left	20.09	19.82	22.97	19.97
n77H	15	30	3972.48	CP	16QAM	Edge_1RB_Right	19.74	19.76	22.76	19.76
n77H	15	30	3972.48	CP	16QAM	Outer_Full	19.50	19.69	22.61	19.61
n77H	15	30	3972.48	CP	64QAM	Inner_Full	18.94	19.19	22.08	19.08
n77H	15	30	3972.48	CP	64QAM	Edge_1RB_Left	19.42	19.61	22.53	19.53
n77H	15	30	3972.48	CP	64QAM	Edge_1RB_Right	19.34	19.56	22.46	19.46
n77H	15	30	3972.48	CP	64QAM	Outer_Full	19.08	19.25	22.18	19.18
n77H	15	30	3972.48	CP	256QAM	Inner_Full	16.10	16.28	19.2	16.2
n77H	15	30	3972.48	CP	256QAM	Edge_1RB_Left	16.67	16.58	19.63	16.63
n77H	15	30	3972.48	CP	256QAM	Edge_1RB_Right	16.47	16.79	19.65	16.65
n77H	15	30	3972.48	CP	256QAM	Outer_Full	15.99	16.32	19.17	16.17
n77H	20	30	3710.01	CP	QPSK	Inner_Full	21.26	21.18	24.23	21.23
n77H	20	30	3710.01	CP	QPSK	Edge_1RB_Left	19.72	19.78	22.76	19.76
n77H	20	30	3710.01	CP	QPSK	Edge_1RB_Right	19.74	19.79	22.78	19.78
n77H	20	30	3710.01	CP	QPSK	Outer_Full	19.76	19.69	22.74	19.74
n77H	20	30	3710.01	CP	16QAM	Inner_Full	20.71	20.67	23.7	20.7
n77H	20	30	3710.01	CP	16QAM	Edge_1RB_Left	19.79	19.83	22.82	19.82
n77H	20	30	3710.01	CP	16QAM	Edge_1RB_Right	20.04	19.68	22.87	19.87
n77H	20	30	3710.01	CP	16QAM	Outer_Full	19.75	19.71	22.74	19.74
n77H	20	30	3710.01	CP	64QAM	Inner_Full	19.23	19.21	22.23	19.23
n77H	20	30	3710.01	CP	64QAM	Edge_1RB_Left	19.61	19.48	22.55	19.55
n77H	20	30	3710.01	CP	64QAM	Edge_1RB_Right	19.65	19.50	22.59	19.59
n77H	20	30	3710.01	CP	64QAM	Outer_Full	19.23	19.15	22.2	19.2
n77H	20	30	3710.01	CP	256QAM	Inner_Full	16.20	16.17	19.19	16.19
n77H	20	30	3710.01	CP	256QAM	Edge_1RB_Left	16.74	16.75	19.76	16.76
n77H	20	30	3710.01	CP	256QAM	Edge_1RB_Right	16.66	16.57	19.62	16.62
n77H	20	30	3710.01	CP	256QAM	Outer_Full	16.26	16.17	19.22	16.22
n77H	20	30	3840	CP	QPSK	Inner_Full	21.22	20.99	24.12	21.12
n77H	20	30	3840	CP	QPSK	Edge_1RB_Left	19.76	19.66	22.72	19.72
n77H	20	30	3840	CP	QPSK	Edge_1RB_Right	19.84	19.49	22.68	19.68
n77H	20	30	3840	CP	QPSK	Outer_Full	19.69	19.49	22.6	19.6
n77H	20	30	3840	CP	16QAM	Inner_Full	20.73	20.49	23.62	20.62
n77H	20	30	3840	CP	16QAM	Edge_1RB_Left	20.03	19.65	22.85	19.85
n77H	20	30	3840	CP	16QAM	Edge_1RB_Right	20.20	19.56	22.9	19.9

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n77H	20	30	3840	CP	16QAM	Outer_Full	19.73	19.56	22.66	19.66
n77H	20	30	3840	CP	64QAM	Inner_Full	19.22	19.04	22.14	19.14
n77H	20	30	3840	CP	64QAM	Edge_1RB_Left	19.60	19.32	22.47	19.47
n77H	20	30	3840	CP	64QAM	Edge_1RB_Right	19.50	19.36	22.44	19.44
n77H	20	30	3840	CP	64QAM	Outer_Full	19.26	18.98	22.13	19.13
n77H	20	30	3840	CP	256QAM	Inner_Full	16.28	15.97	19.14	16.14
n77H	20	30	3840	CP	256QAM	Edge_1RB_Left	16.58	16.47	19.53	16.53
n77H	20	30	3840	CP	256QAM	Edge_1RB_Right	16.62	16.30	19.47	16.47
n77H	20	30	3840	CP	256QAM	Outer_Full	16.31	16.04	19.19	16.19
n77H	20	30	3969.99	CP	QPSK	Inner_Full	21.12	21.17	24.16	21.16
n77H	20	30	3969.99	CP	QPSK	Edge_1RB_Left	19.89	19.70	22.81	19.81
n77H	20	30	3969.99	CP	QPSK	Edge_1RB_Right	19.49	19.86	22.69	19.69
n77H	20	30	3969.99	CP	QPSK	Outer_Full	19.51	19.68	22.6	19.6
n77H	20	30	3969.99	CP	16QAM	Inner_Full	20.56	20.69	23.64	20.64
n77H	20	30	3969.99	CP	16QAM	Edge_1RB_Left	19.90	19.90	22.91	19.91
n77H	20	30	3969.99	CP	16QAM	Edge_1RB_Right	19.40	19.94	22.68	19.68
n77H	20	30	3969.99	CP	16QAM	Outer_Full	19.59	19.72	22.66	19.66
n77H	20	30	3969.99	CP	64QAM	Inner_Full	19.09	19.16	22.13	19.13
n77H	20	30	3969.99	CP	64QAM	Edge_1RB_Left	19.56	19.60	22.59	19.59
n77H	20	30	3969.99	CP	64QAM	Edge_1RB_Right	19.34	19.64	22.5	19.5
n77H	20	30	3969.99	CP	64QAM	Outer_Full	19.15	19.20	22.19	19.19
n77H	20	30	3969.99	CP	256QAM	Inner_Full	16.16	16.20	19.19	16.19
n77H	20	30	3969.99	CP	256QAM	Edge_1RB_Left	16.80	16.80	19.81	16.81
n77H	20	30	3969.99	CP	256QAM	Edge_1RB_Right	16.43	16.77	19.61	16.61
n77H	20	30	3969.99	CP	256QAM	Outer_Full	16.06	16.22	19.15	16.15
n77H	30	30	3715.02	CP	QPSK	Inner_Full	21.27	21.20	24.25	21.25
n77H	30	30	3715.02	CP	QPSK	Edge_1RB_Left	19.72	19.78	22.76	19.76
n77H	30	30	3715.02	CP	QPSK	Edge_1RB_Right	19.78	19.80	22.8	19.8
n77H	30	30	3715.02	CP	QPSK	Outer_Full	19.76	19.71	22.74	19.74
n77H	30	30	3715.02	CP	16QAM	Inner_Full	20.82	20.66	23.75	20.75
n77H	30	30	3715.02	CP	16QAM	Edge_1RB_Left	20.11	19.73	22.93	19.93
n77H	30	30	3715.02	CP	16QAM	Edge_1RB_Right	20.16	19.72	22.96	19.96
n77H	30	30	3715.02	CP	16QAM	Outer_Full	19.77	19.70	22.75	19.75
n77H	30	30	3715.02	CP	64QAM	Inner_Full	19.19	19.16	22.19	19.19
n77H	30	30	3715.02	CP	64QAM	Edge_1RB_Left	19.45	19.53	22.5	19.5
n77H	30	30	3715.02	CP	64QAM	Edge_1RB_Right	19.46	19.65	22.56	19.56
n77H	30	30	3715.02	CP	64QAM	Outer_Full	19.24	19.19	22.22	19.22
n77H	30	30	3715.02	CP	256QAM	Inner_Full	16.27	16.09	19.19	16.19
n77H	30	30	3715.02	CP	256QAM	Edge_1RB_Left	16.78	16.71	19.76	16.76
n77H	30	30	3715.02	CP	256QAM	Edge_1RB_Right	16.72	16.79	19.76	16.76
n77H	30	30	3715.02	CP	256QAM	Outer_Full	16.23	16.13	19.19	16.19

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n77H	30	30	3840	CP	QPSK	Inner_Full	21.33	21.15	24.25	21.25
n77H	30	30	3840	CP	QPSK	Edge_1RB_Left	19.62	19.81	22.72	19.72
n77H	30	30	3840	CP	QPSK	Edge_1RB_Right	19.86	19.66	22.77	19.77
n77H	30	30	3840	CP	QPSK	Outer_Full	19.91	19.63	22.78	19.78
n77H	30	30	3840	CP	16QAM	Inner_Full	20.87	20.57	23.74	20.74
n77H	30	30	3840	CP	16QAM	Edge_1RB_Left	19.77	19.88	22.84	19.84
n77H	30	30	3840	CP	16QAM	Edge_1RB_Right	19.94	19.79	22.87	19.87
n77H	30	30	3840	CP	16QAM	Outer_Full	19.84	19.65	22.75	19.75
n77H	30	30	3840	CP	64QAM	Inner_Full	19.36	19.18	22.28	19.28
n77H	30	30	3840	CP	64QAM	Edge_1RB_Left	19.38	19.50	22.45	19.45
n77H	30	30	3840	CP	64QAM	Edge_1RB_Right	19.64	19.39	22.52	19.52
n77H	30	30	3840	CP	64QAM	Outer_Full	19.38	19.03	22.22	19.22
n77H	30	30	3840	CP	256QAM	Inner_Full	16.30	16.01	19.17	16.17
n77H	30	30	3840	CP	256QAM	Edge_1RB_Left	16.66	16.83	19.75	16.75
n77H	30	30	3840	CP	256QAM	Edge_1RB_Right	16.88	16.63	19.77	16.77
n77H	30	30	3840	CP	256QAM	Outer_Full	16.35	16.02	19.2	16.2
n77H	30	30	3964.98	CP	QPSK	Inner_Full	21.27	21.24	24.27	21.27
n77H	30	30	3964.98	CP	QPSK	Edge_1RB_Left	20.15	19.91	23.04	20.04
n77H	30	30	3964.98	CP	QPSK	Edge_1RB_Right	19.37	19.89	22.65	19.65
n77H	30	30	3964.98	CP	QPSK	Outer_Full	19.79	19.75	22.78	19.78
n77H	30	30	3964.98	CP	16QAM	Inner_Full	20.90	20.76	23.84	20.84
n77H	30	30	3964.98	CP	16QAM	Edge_1RB_Left	20.49	19.71	23.13	20.13
n77H	30	30	3964.98	CP	16QAM	Edge_1RB_Right	19.72	19.80	22.77	19.77
n77H	30	30	3964.98	CP	16QAM	Outer_Full	19.89	19.74	22.83	19.83
n77H	30	30	3964.98	CP	64QAM	Inner_Full	19.30	19.21	22.26	19.26
n77H	30	30	3964.98	CP	64QAM	Edge_1RB_Left	19.93	19.50	22.73	19.73
n77H	30	30	3964.98	CP	64QAM	Edge_1RB_Right	19.07	19.68	22.4	19.4
n77H	30	30	3964.98	CP	64QAM	Outer_Full	19.32	19.29	22.32	19.32
n77H	30	30	3964.98	CP	256QAM	Inner_Full	16.27	16.22	19.26	16.26
n77H	30	30	3964.98	CP	256QAM	Edge_1RB_Left	17.26	16.90	20.09	17.09
n77H	30	30	3964.98	CP	256QAM	Edge_1RB_Right	16.39	16.87	19.64	16.64
n77H	30	30	3964.98	CP	256QAM	Outer_Full	16.39	16.17	19.29	16.29
n77H	40	30	3720	CP	QPSK	Inner_Full	21.32	21.24	24.29	21.29
n77H	40	30	3720	CP	QPSK	Edge_1RB_Left	20.01	20.03	23.03	20.03
n77H	40	30	3720	CP	QPSK	Edge_1RB_Right	19.78	19.82	22.81	19.81
n77H	40	30	3720	CP	QPSK	Outer_Full	19.80	19.76	22.79	19.79
n77H	40	30	3720	CP	16QAM	Inner_Full	20.72	20.77	23.75	20.75
n77H	40	30	3720	CP	16QAM	Edge_1RB_Left	20.22	20.18	23.21	20.21
n77H	40	30	3720	CP	16QAM	Edge_1RB_Right	19.83	19.93	22.89	19.89
n77H	40	30	3720	CP	16QAM	Outer_Full	19.76	19.76	22.77	19.77
n77H	40	30	3720	CP	64QAM	Inner_Full	19.25	19.26	22.27	19.27

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n77H	40	30	3720	CP	64QAM	Edge_1RB_Left	19.78	19.87	22.84	19.84
n77H	40	30	3720	CP	64QAM	Edge_1RB_Right	19.56	19.63	22.61	19.61
n77H	40	30	3720	CP	64QAM	Outer_Full	19.37	19.34	22.36	19.36
n77H	40	30	3720	CP	256QAM	Inner_Full	16.31	16.24	19.29	16.29
n77H	40	30	3720	CP	256QAM	Edge_1RB_Left	17.00	16.77	19.9	16.9
n77H	40	30	3720	CP	256QAM	Edge_1RB_Right	16.84	16.66	19.76	16.76
n77H	40	30	3720	CP	256QAM	Outer_Full	16.36	16.17	19.28	16.28
n77H	40	30	3840	CP	QPSK	Inner_Full	21.29	21.04	24.17	21.17
n77H	40	30	3840	CP	QPSK	Edge_1RB_Left	19.64	19.96	22.82	19.82
n77H	40	30	3840	CP	QPSK	Edge_1RB_Right	20.10	19.67	22.9	19.9
n77H	40	30	3840	CP	QPSK	Outer_Full	19.86	19.68	22.78	19.78
n77H	40	30	3840	CP	16QAM	Inner_Full	20.81	20.58	23.7	20.7
n77H	40	30	3840	CP	16QAM	Edge_1RB_Left	19.73	20.00	22.88	19.88
n77H	40	30	3840	CP	16QAM	Edge_1RB_Right	20.20	19.83	23.03	20.03
n77H	40	30	3840	CP	16QAM	Outer_Full	19.89	19.55	22.74	19.74
n77H	40	30	3840	CP	64QAM	Inner_Full	19.32	18.94	22.14	19.14
n77H	40	30	3840	CP	64QAM	Edge_1RB_Left	19.46	19.60	22.54	19.54
n77H	40	30	3840	CP	64QAM	Edge_1RB_Right	19.79	19.52	22.67	19.67
n77H	40	30	3840	CP	64QAM	Outer_Full	19.30	19.11	22.21	19.21
n77H	40	30	3840	CP	256QAM	Inner_Full	16.38	16.00	19.21	16.21
n77H	40	30	3840	CP	256QAM	Edge_1RB_Left	16.71	16.90	19.81	16.81
n77H	40	30	3840	CP	256QAM	Edge_1RB_Right	17.07	16.71	19.9	16.9
n77H	40	30	3840	CP	256QAM	Outer_Full	16.39	15.99	19.2	16.2
n77H	40	30	3960	CP	QPSK	Inner_Full	21.40	21.17	24.3	21.3
n77H	40	30	3960	CP	QPSK	Edge_1RB_Left	20.21	19.87	23.05	20.05
n77H	40	30	3960	CP	QPSK	Edge_1RB_Right	19.38	19.88	22.65	19.65
n77H	40	30	3960	CP	QPSK	Outer_Full	19.79	19.63	22.72	19.72
n77H	40	30	3960	CP	16QAM	Inner_Full	20.86	20.53	23.71	20.71
n77H	40	30	3960	CP	16QAM	Edge_1RB_Left	20.17	19.85	23.03	20.03
n77H	40	30	3960	CP	16QAM	Edge_1RB_Right	19.46	20.10	22.8	19.8
n77H	40	30	3960	CP	16QAM	Outer_Full	19.79	19.63	22.72	19.72
n77H	40	30	3960	CP	64QAM	Inner_Full	19.36	19.14	22.26	19.26
n77H	40	30	3960	CP	64QAM	Edge_1RB_Left	19.92	19.61	22.78	19.78
n77H	40	30	3960	CP	64QAM	Edge_1RB_Right	19.35	19.62	22.5	19.5
n77H	40	30	3960	CP	64QAM	Outer_Full	19.35	19.09	22.23	19.23
n77H	40	30	3960	CP	256QAM	Inner_Full	16.30	16.01	19.17	16.17
n77H	40	30	3960	CP	256QAM	Edge_1RB_Left	17.07	16.53	19.82	16.82
n77H	40	30	3960	CP	256QAM	Edge_1RB_Right	16.36	16.96	19.68	16.68
n77H	40	30	3960	CP	256QAM	Outer_Full	16.42	16.08	19.26	16.26
n77H	50	30	3725.01	CP	QPSK	Inner_Full	20.90	20.85	23.89	20.89
n77H	50	30	3725.01	CP	QPSK	Edge_1RB_Left	19.51	19.61	22.57	19.57

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n77H	50	30	3725.01	CP	QPSK	Edge_1RB_Right	19.38	19.44	22.42	19.42
n77H	50	30	3725.01	CP	QPSK	Outer_Full	19.48	19.34	22.42	19.42
n77H	50	30	3725.01	CP	16QAM	Inner_Full	20.46	20.38	23.43	20.43
n77H	50	30	3725.01	CP	16QAM	Edge_1RB_Left	19.52	19.61	22.57	19.57
n77H	50	30	3725.01	CP	16QAM	Edge_1RB_Right	19.69	19.44	22.57	19.57
n77H	50	30	3725.01	CP	16QAM	Outer_Full	19.53	19.38	22.46	19.46
n77H	50	30	3725.01	CP	64QAM	Inner_Full	18.99	18.89	21.95	18.95
n77H	50	30	3725.01	CP	64QAM	Edge_1RB_Left	19.45	19.12	22.3	19.3
n77H	50	30	3725.01	CP	64QAM	Edge_1RB_Right	19.07	19.21	22.15	19.15
n77H	50	30	3725.01	CP	64QAM	Outer_Full	18.98	18.87	21.93	18.93
n77H	50	30	3725.01	CP	256QAM	Inner_Full	15.97	15.90	18.95	15.95
n77H	50	30	3725.01	CP	256QAM	Edge_1RB_Left	16.58	16.48	19.54	16.54
n77H	50	30	3725.01	CP	256QAM	Edge_1RB_Right	16.34	16.25	19.31	16.31
n77H	50	30	3725.01	CP	256QAM	Outer_Full	16.06	15.90	18.99	15.99
n77H	50	30	3840	CP	QPSK	Inner_Full	21.06	20.83	23.96	20.96
n77H	50	30	3840	CP	QPSK	Edge_1RB_Left	19.28	19.55	22.43	19.43
n77H	50	30	3840	CP	QPSK	Edge_1RB_Right	19.93	19.36	22.66	19.66
n77H	50	30	3840	CP	QPSK	Outer_Full	19.50	19.37	22.45	19.45
n77H	50	30	3840	CP	16QAM	Inner_Full	20.60	20.49	23.55	20.55
n77H	50	30	3840	CP	16QAM	Edge_1RB_Left	19.68	19.51	22.61	19.61
n77H	50	30	3840	CP	16QAM	Edge_1RB_Right	20.22	19.41	22.85	19.85
n77H	50	30	3840	CP	16QAM	Outer_Full	19.61	19.39	22.51	19.51
n77H	50	30	3840	CP	64QAM	Inner_Full	19.10	18.86	21.99	18.99
n77H	50	30	3840	CP	64QAM	Edge_1RB_Left	19.21	19.21	22.22	19.22
n77H	50	30	3840	CP	64QAM	Edge_1RB_Right	19.57	19.19	22.4	19.4
n77H	50	30	3840	CP	64QAM	Outer_Full	19.10	18.80	21.97	18.97
n77H	50	30	3840	CP	256QAM	Inner_Full	16.00	15.80	18.91	15.91
n77H	50	30	3840	CP	256QAM	Edge_1RB_Left	16.03	16.32	19.18	16.18
n77H	50	30	3840	CP	256QAM	Edge_1RB_Right	16.74	16.15	19.47	16.47
n77H	50	30	3840	CP	256QAM	Outer_Full	16.05	15.84	18.95	15.95
n77H	50	30	3954.48	CP	QPSK	Inner_Full	21.29	20.95	24.13	21.13
n77H	50	30	3954.48	CP	QPSK	Edge_1RB_Left	20.05	19.88	22.97	19.97
n77H	50	30	3954.48	CP	QPSK	Edge_1RB_Right	19.18	19.71	22.46	19.46
n77H	50	30	3954.48	CP	QPSK	Outer_Full	19.86	19.58	22.73	19.73
n77H	50	30	3954.48	CP	16QAM	Inner_Full	20.88	20.57	23.74	20.74
n77H	50	30	3954.48	CP	16QAM	Edge_1RB_Left	19.96	19.95	22.97	19.97
n77H	50	30	3954.48	CP	16QAM	Edge_1RB_Right	19.46	19.47	22.47	19.47
n77H	50	30	3954.48	CP	16QAM	Outer_Full	19.92	19.57	22.76	19.76
n77H	50	30	3954.48	CP	64QAM	Inner_Full	19.47	19.07	22.28	19.28
n77H	50	30	3954.48	CP	64QAM	Edge_1RB_Left	19.72	19.56	22.65	19.65
n77H	50	30	3954.48	CP	64QAM	Edge_1RB_Right	18.97	19.28	22.14	19.14

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n77H	50	30	3954.48	CP	64QAM	Outer_Full	19.36	19.05	22.22	19.22
n77H	50	30	3954.48	CP	256QAM	Inner_Full	16.40	15.99	19.21	16.21
n77H	50	30	3954.48	CP	256QAM	Edge_1RB_Left	17.01	16.60	19.82	16.82
n77H	50	30	3954.48	CP	256QAM	Edge_1RB_Right	16.26	16.55	19.42	16.42
n77H	50	30	3954.48	CP	256QAM	Outer_Full	16.33	16.08	19.22	16.22
n77H	60	30	3730.02	CP	QPSK	Inner_Full	21.05	20.85	23.96	20.96
n77H	60	30	3730.02	CP	QPSK	Edge_1RB_Left	19.43	19.57	22.51	19.51
n77H	60	30	3730.02	CP	QPSK	Edge_1RB_Right	19.60	19.50	22.56	19.56
n77H	60	30	3730.02	CP	QPSK	Outer_Full	19.52	19.41	22.48	19.48
n77H	60	30	3730.02	CP	16QAM	Inner_Full	20.44	20.26	23.36	20.36
n77H	60	30	3730.02	CP	16QAM	Edge_1RB_Left	19.53	19.70	22.62	19.62
n77H	60	30	3730.02	CP	16QAM	Edge_1RB_Right	19.82	19.49	22.67	19.67
n77H	60	30	3730.02	CP	16QAM	Outer_Full	19.42	19.37	22.41	19.41
n77H	60	30	3730.02	CP	64QAM	Inner_Full	19.05	18.85	21.96	18.96
n77H	60	30	3730.02	CP	64QAM	Edge_1RB_Left	19.48	19.23	22.36	19.36
n77H	60	30	3730.02	CP	64QAM	Edge_1RB_Right	19.15	19.29	22.23	19.23
n77H	60	30	3730.02	CP	64QAM	Outer_Full	19.06	18.95	22.01	19.01
n77H	60	30	3730.02	CP	256QAM	Inner_Full	15.98	15.85	18.92	15.92
n77H	60	30	3730.02	CP	256QAM	Edge_1RB_Left	16.56	16.52	19.55	16.55
n77H	60	30	3730.02	CP	256QAM	Edge_1RB_Right	16.49	16.49	19.5	16.5
n77H	60	30	3730.02	CP	256QAM	Outer_Full	15.96	16.01	18.99	15.99
n77H	60	30	3840	CP	QPSK	Inner_Full	21.10	20.79	23.96	20.96
n77H	60	30	3840	CP	QPSK	Edge_1RB_Left	19.19	19.45	22.33	19.33
n77H	60	30	3840	CP	QPSK	Edge_1RB_Right	19.86	19.35	22.62	19.62
n77H	60	30	3840	CP	QPSK	Outer_Full	19.51	19.39	22.46	19.46
n77H	60	30	3840	CP	16QAM	Inner_Full	20.51	20.33	23.43	20.43
n77H	60	30	3840	CP	16QAM	Edge_1RB_Left	19.51	19.37	22.45	19.45
n77H	60	30	3840	CP	16QAM	Edge_1RB_Right	20.11	19.37	22.77	19.77
n77H	60	30	3840	CP	16QAM	Outer_Full	19.55	19.37	22.47	19.47
n77H	60	30	3840	CP	64QAM	Inner_Full	19.09	18.72	21.92	18.92
n77H	60	30	3840	CP	64QAM	Edge_1RB_Left	19.18	19.18	22.19	19.19
n77H	60	30	3840	CP	64QAM	Edge_1RB_Right	19.65	19.15	22.41	19.41
n77H	60	30	3840	CP	64QAM	Outer_Full	19.05	18.84	21.96	18.96
n77H	60	30	3840	CP	256QAM	Inner_Full	16.08	15.77	18.94	15.94
n77H	60	30	3840	CP	256QAM	Edge_1RB_Left	16.28	16.45	19.38	16.38
n77H	60	30	3840	CP	256QAM	Edge_1RB_Right	16.91	16.34	19.65	16.65
n77H	60	30	3840	CP	256QAM	Outer_Full	16.00	15.79	18.91	15.91
n77H	60	30	3949.98	CP	QPSK	Inner_Full	21.05	20.77	23.93	20.93
n77H	60	30	3949.98	CP	QPSK	Edge_1RB_Left	19.50	19.42	22.47	19.47
n77H	60	30	3949.98	CP	QPSK	Edge_1RB_Right	18.77	19.46	22.14	19.14
n77H	60	30	3949.98	CP	QPSK	Outer_Full	19.34	19.21	22.29	19.29

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n77H	60	30	3949.98	CP	16QAM	Inner_Full	20.46	20.08	23.29	20.29
n77H	60	30	3949.98	CP	16QAM	Edge_1RB_Left	19.81	19.34	22.59	19.59
n77H	60	30	3949.98	CP	16QAM	Edge_1RB_Right	18.98	19.35	22.18	19.18
n77H	60	30	3949.98	CP	16QAM	Outer_Full	19.32	19.24	22.29	19.29
n77H	60	30	3949.98	CP	64QAM	Inner_Full	18.91	18.79	21.86	18.86
n77H	60	30	3949.98	CP	64QAM	Edge_1RB_Left	19.44	19.06	22.26	19.26
n77H	60	30	3949.98	CP	64QAM	Edge_1RB_Right	18.62	19.17	21.91	18.91
n77H	60	30	3949.98	CP	64QAM	Outer_Full	18.89	18.86	21.88	18.88
n77H	60	30	3949.98	CP	256QAM	Inner_Full	15.96	15.73	18.86	15.86
n77H	60	30	3949.98	CP	256QAM	Edge_1RB_Left	16.46	16.18	19.33	16.33
n77H	60	30	3949.98	CP	256QAM	Edge_1RB_Right	15.75	16.16	18.97	15.97
n77H	60	30	3949.98	CP	256QAM	Outer_Full	15.84	15.80	18.83	15.83
n77H	70	30	3735	CP	QPSK	Inner_Full	20.88	20.77	23.84	20.84
n77H	70	30	3735	CP	QPSK	Edge_1RB_Left	19.43	19.43	22.44	19.44
n77H	70	30	3735	CP	QPSK	Edge_1RB_Right	19.32	19.46	22.4	19.4
n77H	70	30	3735	CP	QPSK	Outer_Full	19.40	19.32	22.37	19.37
n77H	70	30	3735	CP	16QAM	Inner_Full	20.38	20.25	23.33	20.33
n77H	70	30	3735	CP	16QAM	Edge_1RB_Left	19.69	19.31	22.51	19.51
n77H	70	30	3735	CP	16QAM	Edge_1RB_Right	19.58	19.37	22.48	19.48
n77H	70	30	3735	CP	16QAM	Outer_Full	19.36	19.36	22.37	19.37
n77H	70	30	3735	CP	64QAM	Inner_Full	18.85	18.80	21.83	18.83
n77H	70	30	3735	CP	64QAM	Edge_1RB_Left	19.33	19.06	22.21	19.21
n77H	70	30	3735	CP	64QAM	Edge_1RB_Right	19.21	19.11	22.17	19.17
n77H	70	30	3735	CP	64QAM	Outer_Full	18.88	18.84	21.87	18.87
n77H	70	30	3735	CP	256QAM	Inner_Full	15.84	15.77	18.82	15.82
n77H	70	30	3735	CP	256QAM	Edge_1RB_Left	16.48	16.37	19.44	16.44
n77H	70	30	3735	CP	256QAM	Edge_1RB_Right	16.21	16.20	19.22	16.22
n77H	70	30	3735	CP	256QAM	Outer_Full	15.81	15.80	18.82	15.82
n77H	70	30	3840	CP	QPSK	Inner_Full	20.98	20.80	23.9	20.9
n77H	70	30	3840	CP	QPSK	Edge_1RB_Left	19.22	19.36	22.3	19.3
n77H	70	30	3840	CP	QPSK	Edge_1RB_Right	19.78	19.31	22.56	19.56
n77H	70	30	3840	CP	QPSK	Outer_Full	19.50	19.26	22.39	19.39
n77H	70	30	3840	CP	16QAM	Inner_Full	20.54	20.26	23.41	20.41
n77H	70	30	3840	CP	16QAM	Edge_1RB_Left	19.42	19.52	22.48	19.48
n77H	70	30	3840	CP	16QAM	Edge_1RB_Right	19.89	19.29	22.61	19.61
n77H	70	30	3840	CP	16QAM	Outer_Full	19.46	19.34	22.41	19.41
n77H	70	30	3840	CP	64QAM	Inner_Full	18.93	18.78	21.86	18.86
n77H	70	30	3840	CP	64QAM	Edge_1RB_Left	19.23	19.11	22.18	19.18
n77H	70	30	3840	CP	64QAM	Edge_1RB_Right	19.50	18.96	22.25	19.25
n77H	70	30	3840	CP	64QAM	Outer_Full	18.99	18.83	21.92	18.92
n77H	70	30	3840	CP	256QAM	Inner_Full	15.98	15.72	18.86	15.86

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n77H	70	30	3840	CP	256QAM	Edge_1RB_Left	16.20	16.10	19.16	16.16
n77H	70	30	3840	CP	256QAM	Edge_1RB_Right	16.76	16.22	19.51	16.51
n77H	70	30	3840	CP	256QAM	Outer_Full	15.97	15.74	18.87	15.87
n77H	70	30	3945	CP	QPSK	Inner_Full	20.87	20.71	23.8	20.8
n77H	70	30	3945	CP	QPSK	Edge_1RB_Left	19.49	19.21	22.36	19.36
n77H	70	30	3945	CP	QPSK	Edge_1RB_Right	18.53	19.31	21.94	18.94
n77H	70	30	3945	CP	QPSK	Outer_Full	19.22	19.07	22.16	19.16
n77H	70	30	3945	CP	16QAM	Inner_Full	20.51	20.13	23.33	20.33
n77H	70	30	3945	CP	16QAM	Edge_1RB_Left	19.80	19.14	22.49	19.49
n77H	70	30	3945	CP	16QAM	Edge_1RB_Right	18.98	19.37	22.19	19.19
n77H	70	30	3945	CP	16QAM	Outer_Full	19.25	19.13	22.2	19.2
n77H	70	30	3945	CP	64QAM	Inner_Full	18.76	18.62	21.7	18.7
n77H	70	30	3945	CP	64QAM	Edge_1RB_Left	19.35	18.82	22.1	19.1
n77H	70	30	3945	CP	64QAM	Edge_1RB_Right	18.52	19.01	21.78	18.78
n77H	70	30	3945	CP	64QAM	Outer_Full	18.78	18.67	21.73	18.73
n77H	70	30	3945	CP	256QAM	Inner_Full	15.85	15.67	18.77	15.77
n77H	70	30	3945	CP	256QAM	Edge_1RB_Left	16.51	16.26	19.4	16.4
n77H	70	30	3945	CP	256QAM	Edge_1RB_Right	15.64	16.36	19.03	16.03
n77H	70	30	3945	CP	256QAM	Outer_Full	15.74	15.58	18.67	15.67
n77H	80	30	3740.01	CP	QPSK	Inner_Full	20.95	20.83	23.9	20.9
n77H	80	30	3740.01	CP	QPSK	Edge_1RB_Left	19.43	19.48	22.47	19.47
n77H	80	30	3740.01	CP	QPSK	Edge_1RB_Right	19.24	19.42	22.34	19.34
n77H	80	30	3740.01	CP	QPSK	Outer_Full	19.46	19.44	22.46	19.46
n77H	80	30	3740.01	CP	16QAM	Inner_Full	20.45	20.46	23.47	20.47
n77H	80	30	3740.01	CP	16QAM	Edge_1RB_Left	19.47	19.59	22.54	19.54
n77H	80	30	3740.01	CP	16QAM	Edge_1RB_Right	19.50	19.43	22.47	19.47
n77H	80	30	3740.01	CP	16QAM	Outer_Full	19.46	19.38	22.43	19.43
n77H	80	30	3740.01	CP	64QAM	Inner_Full	18.98	18.95	21.97	18.97
n77H	80	30	3740.01	CP	64QAM	Edge_1RB_Left	19.40	19.24	22.33	19.33
n77H	80	30	3740.01	CP	64QAM	Edge_1RB_Right	19.07	19.15	22.12	19.12
n77H	80	30	3740.01	CP	64QAM	Outer_Full	19.02	18.82	21.93	18.93
n77H	80	30	3740.01	CP	256QAM	Inner_Full	15.95	15.89	18.93	15.93
n77H	80	30	3740.01	CP	256QAM	Edge_1RB_Left	16.36	16.21	19.3	16.3
n77H	80	30	3740.01	CP	256QAM	Edge_1RB_Right	16.27	16.44	19.36	16.36
n77H	80	30	3740.01	CP	256QAM	Outer_Full	15.92	15.94	18.94	15.94
n77H	80	30	3840	CP	QPSK	Inner_Full	21.00	20.71	23.86	20.86
n77H	80	30	3840	CP	QPSK	Edge_1RB_Left	19.44	19.37	22.41	19.41
n77H	80	30	3840	CP	QPSK	Edge_1RB_Right	19.65	19.10	22.4	19.4
n77H	80	30	3840	CP	QPSK	Outer_Full	19.47	19.34	22.41	19.41
n77H	80	30	3840	CP	16QAM	Inner_Full	20.44	20.33	23.4	20.4
n77H	80	30	3840	CP	16QAM	Edge_1RB_Left	19.68	19.27	22.49	19.49

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n77H	80	30	3840	CP	16QAM	Edge_1RB_Right	19.70	19.33	22.53	19.53
n77H	80	30	3840	CP	16QAM	Outer_Full	19.53	19.27	22.42	19.42
n77H	80	30	3840	CP	64QAM	Inner_Full	19.02	18.81	21.93	18.93
n77H	80	30	3840	CP	64QAM	Edge_1RB_Left	19.19	19.18	22.19	19.19
n77H	80	30	3840	CP	64QAM	Edge_1RB_Right	19.42	18.90	22.18	19.18
n77H	80	30	3840	CP	64QAM	Outer_Full	18.97	18.81	21.9	18.9
n77H	80	30	3840	CP	256QAM	Inner_Full	16.05	15.64	18.86	15.86
n77H	80	30	3840	CP	256QAM	Edge_1RB_Left	16.38	16.14	19.27	16.27
n77H	80	30	3840	CP	256QAM	Edge_1RB_Right	16.52	16.02	19.29	16.29
n77H	80	30	3840	CP	256QAM	Outer_Full	15.94	15.67	18.82	15.82
n77H	80	30	3939.99	CP	QPSK	Inner_Full	20.89	20.83	23.87	20.87
n77H	80	30	3939.99	CP	QPSK	Edge_1RB_Left	19.52	19.33	22.44	19.44
n77H	80	30	3939.99	CP	QPSK	Edge_1RB_Right	18.58	19.40	22.02	19.02
n77H	80	30	3939.99	CP	QPSK	Outer_Full	19.37	19.20	22.3	19.3
n77H	80	30	3939.99	CP	16QAM	Inner_Full	20.48	20.23	23.37	20.37
n77H	80	30	3939.99	CP	16QAM	Edge_1RB_Left	19.50	19.45	22.49	19.49
n77H	80	30	3939.99	CP	16QAM	Edge_1RB_Right	18.58	19.42	22.03	19.03
n77H	80	30	3939.99	CP	16QAM	Outer_Full	19.36	19.29	22.33	19.33
n77H	80	30	3939.99	CP	64QAM	Inner_Full	18.96	18.75	21.87	18.87
n77H	80	30	3939.99	CP	64QAM	Edge_1RB_Left	19.25	19.09	22.18	19.18
n77H	80	30	3939.99	CP	64QAM	Edge_1RB_Right	18.44	19.17	21.83	18.83
n77H	80	30	3939.99	CP	64QAM	Outer_Full	18.83	18.72	21.79	18.79
n77H	80	30	3939.99	CP	256QAM	Inner_Full	16.05	15.69	18.89	15.89
n77H	80	30	3939.99	CP	256QAM	Edge_1RB_Left	16.38	16.08	19.24	16.24
n77H	80	30	3939.99	CP	256QAM	Edge_1RB_Right	15.49	16.09	18.81	15.81
n77H	80	30	3939.99	CP	256QAM	Outer_Full	15.88	15.79	18.84	15.84
n77H	90	30	3745.02	CP	QPSK	Inner_Full	20.84	20.71	23.79	20.79
n77H	90	30	3745.02	CP	QPSK	Edge_1RB_Left	19.33	19.36	22.35	19.35
n77H	90	30	3745.02	CP	QPSK	Edge_1RB_Right	19.51	19.52	22.53	19.53
n77H	90	30	3745.02	CP	QPSK	Outer_Full	19.41	19.32	22.37	19.37
n77H	90	30	3745.02	CP	16QAM	Inner_Full	20.32	20.40	23.37	20.37
n77H	90	30	3745.02	CP	16QAM	Edge_1RB_Left	19.65	19.36	22.52	19.52
n77H	90	30	3745.02	CP	16QAM	Edge_1RB_Right	19.45	19.64	22.55	19.55
n77H	90	30	3745.02	CP	16QAM	Outer_Full	19.41	19.41	22.42	19.42
n77H	90	30	3745.02	CP	64QAM	Inner_Full	18.89	18.86	21.89	18.89
n77H	90	30	3745.02	CP	64QAM	Edge_1RB_Left	19.30	19.11	22.22	19.22
n77H	90	30	3745.02	CP	64QAM	Edge_1RB_Right	19.38	19.32	22.36	19.36
n77H	90	30	3745.02	CP	64QAM	Outer_Full	18.87	18.84	21.87	18.87
n77H	90	30	3745.02	CP	256QAM	Inner_Full	15.94	15.83	18.9	15.9
n77H	90	30	3745.02	CP	256QAM	Edge_1RB_Left	16.49	16.41	19.46	16.46
n77H	90	30	3745.02	CP	256QAM	Edge_1RB_Right	16.45	16.57	19.52	16.52

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n77H	90	30	3745.02	CP	256QAM	Outer_Full	15.89	15.93	18.92	15.92
n77H	90	30	3840	CP	QPSK	Inner_Full	20.93	20.73	23.84	20.84
n77H	90	30	3840	CP	QPSK	Edge_1RB_Left	19.50	19.31	22.41	19.41
n77H	90	30	3840	CP	QPSK	Edge_1RB_Right	19.64	19.25	22.46	19.46
n77H	90	30	3840	CP	QPSK	Outer_Full	19.59	19.30	22.46	19.46
n77H	90	30	3840	CP	16QAM	Inner_Full	20.47	20.32	23.41	20.41
n77H	90	30	3840	CP	16QAM	Edge_1RB_Left	19.79	19.26	22.54	19.54
n77H	90	30	3840	CP	16QAM	Edge_1RB_Right	19.73	19.50	22.63	19.63
n77H	90	30	3840	CP	16QAM	Outer_Full	19.58	19.18	22.39	19.39
n77H	90	30	3840	CP	64QAM	Inner_Full	19.06	18.78	21.93	18.93
n77H	90	30	3840	CP	64QAM	Edge_1RB_Left	19.22	19.08	22.16	19.16
n77H	90	30	3840	CP	64QAM	Edge_1RB_Right	19.56	19.05	22.32	19.32
n77H	90	30	3840	CP	64QAM	Outer_Full	19.00	18.83	21.93	18.93
n77H	90	30	3840	CP	256QAM	Inner_Full	16.00	15.65	18.84	15.84
n77H	90	30	3840	CP	256QAM	Edge_1RB_Left	16.50	16.27	19.4	16.4
n77H	90	30	3840	CP	256QAM	Edge_1RB_Right	16.57	16.06	19.33	16.33
n77H	90	30	3840	CP	256QAM	Outer_Full	16.04	15.72	18.89	15.89
n77H	90	30	3934.98	CP	QPSK	Inner_Full	21.00	20.79	23.91	20.91
n77H	90	30	3934.98	CP	QPSK	Edge_1RB_Left	19.58	19.30	22.45	19.45
n77H	90	30	3934.98	CP	QPSK	Edge_1RB_Right	18.56	19.40	22.01	19.01
n77H	90	30	3934.98	CP	QPSK	Outer_Full	19.44	19.26	22.36	19.36
n77H	90	30	3934.98	CP	16QAM	Inner_Full	20.57	20.35	23.47	20.47
n77H	90	30	3934.98	CP	16QAM	Edge_1RB_Left	19.63	19.56	22.61	19.61
n77H	90	30	3934.98	CP	16QAM	Edge_1RB_Right	18.89	19.34	22.13	19.13
n77H	90	30	3934.98	CP	16QAM	Outer_Full	19.41	19.26	22.35	19.35
n77H	90	30	3934.98	CP	64QAM	Inner_Full	19.06	18.87	21.98	18.98
n77H	90	30	3934.98	CP	64QAM	Edge_1RB_Left	19.30	19.19	22.25	19.25
n77H	90	30	3934.98	CP	64QAM	Edge_1RB_Right	18.53	19.10	21.84	18.84
n77H	90	30	3934.98	CP	64QAM	Outer_Full	18.96	18.86	21.92	18.92
n77H	90	30	3934.98	CP	256QAM	Inner_Full	16.12	15.96	19.05	16.05
n77H	90	30	3934.98	CP	256QAM	Edge_1RB_Left	16.44	16.14	19.31	16.31
n77H	90	30	3934.98	CP	256QAM	Edge_1RB_Right	15.63	16.36	19.02	16.02
n77H	90	30	3934.98	CP	256QAM	Outer_Full	15.97	15.75	18.87	15.87
n77H	100	30	3750	CP	QPSK	Inner_Full	21.02	20.90	23.97	20.97
n77H	100	30	3750	CP	QPSK	Edge_1RB_Left	19.61	19.43	22.53	19.53
n77H	100	30	3750	CP	QPSK	Edge_1RB_Right	19.49	19.40	22.45	19.45
n77H	100	30	3750	CP	QPSK	Outer_Full	19.45	19.47	22.47	19.47
n77H	100	30	3750	CP	16QAM	Inner_Full	20.50	20.42	23.47	20.47
n77H	100	30	3750	CP	16QAM	Edge_1RB_Left	19.63	19.39	22.52	19.52
n77H	100	30	3750	CP	16QAM	Edge_1RB_Right	19.60	19.52	22.57	19.57
n77H	100	30	3750	CP	16QAM	Outer_Full	19.47	19.47	22.48	19.48

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n77H	100	30	3750	CP	64QAM	Inner_Full	18.93	18.94	21.94	18.94
n77H	100	30	3750	CP	64QAM	Edge_1RB_Left	19.25	19.23	22.25	19.25
n77H	100	30	3750	CP	64QAM	Edge_1RB_Right	19.39	19.23	22.32	19.32
n77H	100	30	3750	CP	64QAM	Outer_Full	19.00	19.00	22.01	19.01
n77H	100	30	3750	CP	256QAM	Inner_Full	15.94	15.94	18.95	15.95
n77H	100	30	3750	CP	256QAM	Edge_1RB_Left	16.35	16.24	19.31	16.31
n77H	100	30	3750	CP	256QAM	Edge_1RB_Right	16.60	16.44	19.53	16.53
n77H	100	30	3750	CP	256QAM	Outer_Full	16.02	15.91	18.98	15.98
n77H	100	30	3840	CP	QPSK	Inner_Full	21.00	20.81	23.92	20.92
n77H	100	30	3840	CP	QPSK	Edge_1RB_Left	19.49	19.33	22.42	19.42
n77H	100	30	3840	CP	QPSK	Edge_1RB_Right	19.60	19.26	22.44	19.44
n77H	100	30	3840	CP	QPSK	Outer_Full	19.56	19.28	22.43	19.43
n77H	100	30	3840	CP	16QAM	Inner_Full	20.50	20.24	23.38	20.38
n77H	100	30	3840	CP	16QAM	Edge_1RB_Left	19.59	19.42	22.51	19.51
n77H	100	30	3840	CP	16QAM	Edge_1RB_Right	19.61	19.39	22.51	19.51
n77H	100	30	3840	CP	16QAM	Outer_Full	19.55	19.24	22.41	19.41
n77H	100	30	3840	CP	64QAM	Inner_Full	19.03	18.73	21.89	18.89
n77H	100	30	3840	CP	64QAM	Edge_1RB_Left	19.47	18.94	22.22	19.22
n77H	100	30	3840	CP	64QAM	Edge_1RB_Right	19.58	19.05	22.33	19.33
n77H	100	30	3840	CP	64QAM	Outer_Full	19.11	18.71	21.92	18.92
n77H	100	30	3840	CP	256QAM	Inner_Full	16.00	15.72	18.87	15.87
n77H	100	30	3840	CP	256QAM	Edge_1RB_Left	16.59	16.28	19.45	16.45
n77H	100	30	3840	CP	256QAM	Edge_1RB_Right	16.71	16.17	19.46	16.46
n77H	100	30	3840	CP	256QAM	Outer_Full	16.09	15.77	18.94	15.94
n77H	100	30	3930	CP	QPSK	Inner_Full	20.98	20.73	23.87	20.87
n77H	100	30	3930	CP	QPSK	Edge_1RB_Left	19.68	19.39	22.55	19.55
n77H	100	30	3930	CP	QPSK	Edge_1RB_Right	18.75	19.40	22.1	19.1
n77H	100	30	3930	CP	QPSK	Outer_Full	19.30	19.27	22.29	19.29
n77H	100	30	3930	CP	16QAM	Inner_Full	20.60	20.27	23.45	20.45
n77H	100	30	3930	CP	16QAM	Edge_1RB_Left	19.79	19.55	22.68	19.68
n77H	100	30	3930	CP	16QAM	Edge_1RB_Right	19.11	19.41	22.28	19.28
n77H	100	30	3930	CP	16QAM	Outer_Full	19.34	19.23	22.29	19.29
n77H	100	30	3930	CP	64QAM	Inner_Full	18.98	18.80	21.9	18.9
n77H	100	30	3930	CP	64QAM	Edge_1RB_Left	19.38	19.18	22.3	19.3
n77H	100	30	3930	CP	64QAM	Edge_1RB_Right	18.53	19.24	21.91	18.91
n77H	100	30	3930	CP	64QAM	Outer_Full	18.88	18.79	21.84	18.84
n77H	100	30	3930	CP	256QAM	Inner_Full	15.98	15.81	18.91	15.91
n77H	100	30	3930	CP	256QAM	Edge_1RB_Left	16.65	16.36	19.52	16.52
n77H	100	30	3930	CP	256QAM	Edge_1RB_Right	15.76	16.38	19.09	16.09
n77H	100	30	3930	CP	256QAM	Outer_Full	15.84	15.85	18.85	15.85

Note: The maximum value of expanded measurement uncertainty for this test item is U = 0.764 dB, k = 2.

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A.2 Emission Limit

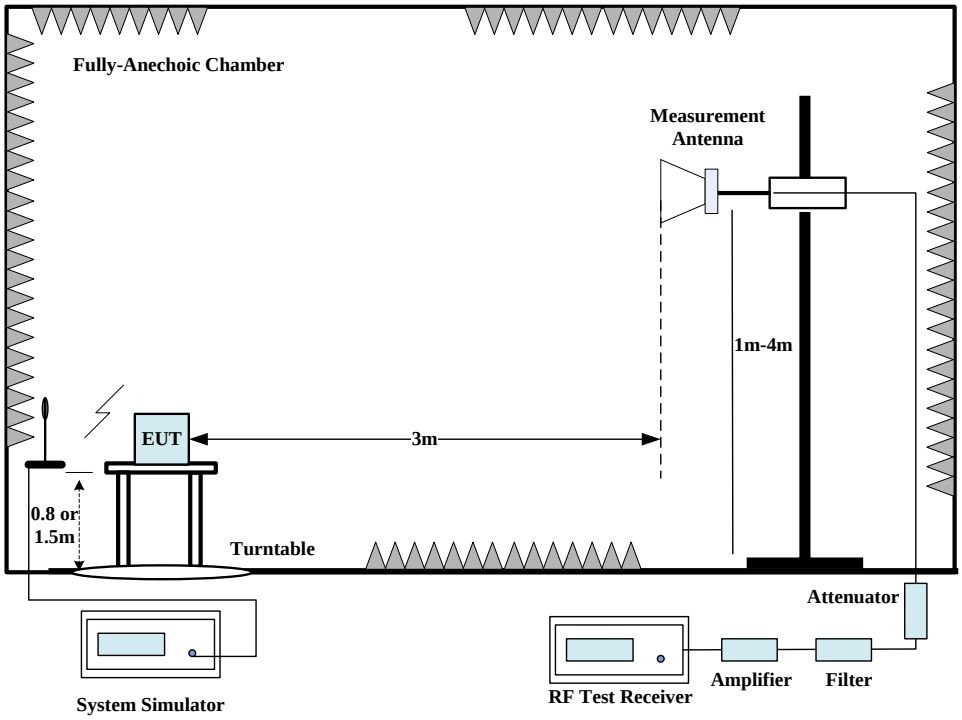
A.2.1 Measurement Method

The measurement procedures in TIA-603E-2016 are used.

The spectrum was scanned from 30 MHz to the lower of the 10th harmonic of the highest fundamental frequency and 40GHz. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of each NR Band.

The procedure of radiated spurious emissions is as follows:

For measurements performed at frequencies less than or equal to 1 GHz, the EUT was placed on a 80cm-high non-conductive support; For measurements performed at frequencies above 1GHz,EUT was placed on a 1.5-meter-high non-conductive support. A measurement antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. In the initial test, the height of the measurement antenna was varied from 1 m to 4 m for the relative positioning that produces the maximum radiated signal level. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.



1. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).
2. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.

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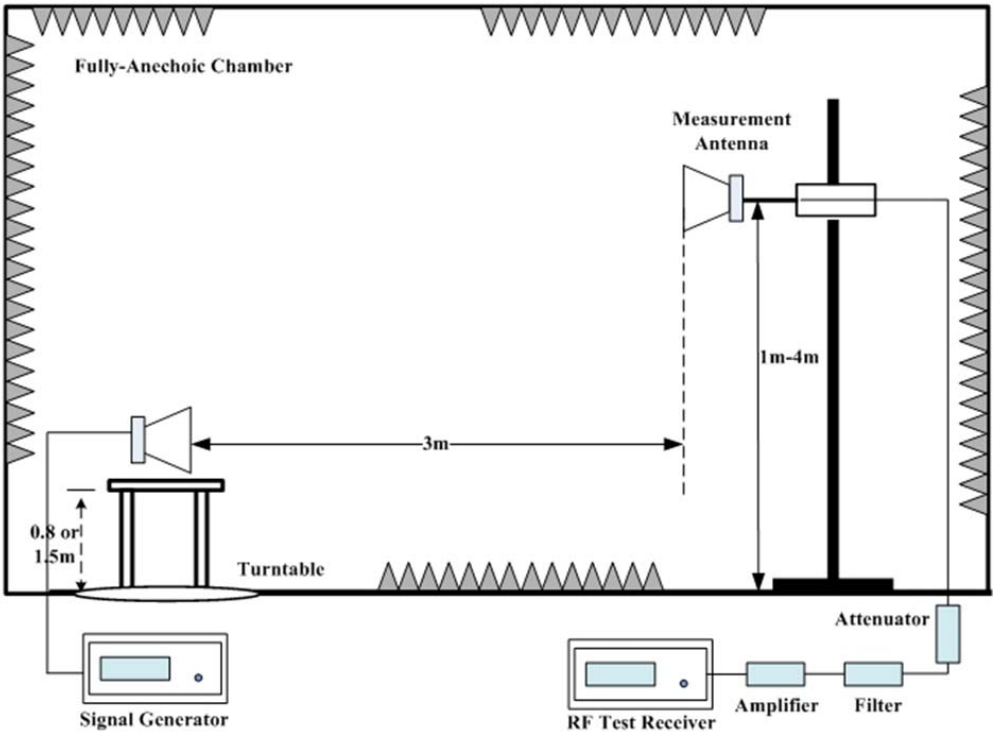

In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. The height of measurement antenna varied between 1 m to 4 m to maximize the received signal amplitude for each emission that was detected and measured in the initial test. A power (P_{Mea}) is applied to the input of the substitution antenna and adjusts the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test was performed with the measurement antenna in both vertical and horizontal polarization.

3. The Path loss (P_{pl}) between the Signal Source and the Substitution Antenna and the Substitution Antenna Gain (G_a) were recorded after test.A amplifier was connected in for the test. The Path loss (P_{pl}) is the summation of the cable loss and the gain of the amplifier.
4. The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.

A.2.2 Measurement Limit

NR n5:Part 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

NR n7/41: Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz

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from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

NR n12/71: Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

NR n2/25: Part 24.238 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

NR n4/66: Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

A.2.3 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of each NR Band. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of each NR Band into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. The range of evaluated frequency is from 30MHz to 40GHz.

Note 1: All EN-DC UL bands have been tested, but only the worst cases were reported in this report.

Note 2: Both of Vertical and Horizontal polarizations are evaluated, but only the worst cases were reported in this report.

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A.2.4 Measurement Results Table

Frequency	Channel	Frequency Range	Result
NR Bands	Low	9kHz-26GHz	Pass
	Middle	9kHz-26GHz	Pass
	High	9kHz-26GHz	Pass

NOTE 1: The Bands n77/n78 only have conducted emission limits according to Part 27.53. In this circumstances, the radiated emission tests are not applicable for these bands.

A.2.5 Sweep Table

Subrange	RBW	VBW
9~150 kHz	0.2kHz	0.6kHz
150kHz~30MHz	9kHz	27kHz
30MHz~1 GHz	100KHz	300KHz
1~20 GHz	1 MHz	3 MHz

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A.2.6 Measurement Result

SA n5,BPSK,CH165300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1650.76	-58.92	3.57	9.50	2.15	-55.14	-13.00	42.14	H
2480.25	-28.59	4.60	10.28	2.15	-25.06	-13.00	12.06	H
3295.80	-65.54	5.29	10.39	2.15	-62.59	-13.00	49.59	V
4119.39	-61.81	6.04	10.40	2.15	-59.60	-13.00	46.60	H
4960.80	-59.91	6.67	11.22	2.15	-57.51	-13.00	44.51	V
5798.92	-58.42	7.19	11.00	2.15	-56.76	-13.00	43.76	H

SA n5,BPSK,CH167300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1658.01	-60.15	3.57	9.52	2.15	-56.35	-13.00	43.35	H
2505.00	-50.66	4.63	10.19	2.15	-47.25	-13.00	34.25	H
3347.83	-65.11	5.32	10.50	2.15	-62.08	-13.00	49.08	H
4193.46	-60.82	6.19	10.49	2.15	-58.67	-13.00	45.67	V
5004.86	-60.14	6.59	11.31	2.15	-57.57	-13.00	44.57	H
5852.36	-60.18	7.24	10.79	2.15	-58.78	-13.00	45.78	H

SA n5,BPSK,CH169300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1681.26	-59.83	3.59	9.56	2.15	-56.01	-13.00	43.01	H
2524.75	-50.83	4.65	10.15	2.15	-47.48	-13.00	34.48	H
3400.33	-64.44	5.36	10.50	2.15	-61.45	-13.00	48.45	H
4233.77	-61.25	6.25	10.57	2.15	-59.08	-13.00	46.08	V
5085.02	-60.80	6.73	11.47	2.15	-58.21	-13.00	45.21	H
5928.30	-57.32	7.47	10.50	2.15	-56.44	-13.00	43.44	H

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SA n12,BPSK,CH140300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1414.76	-59.66	3.25	7.83	2.15	-57.23	-13.00	44.23	H
2109.50	-53.31	4.20	8.03	2.15	-51.63	-13.00	38.63	H
2809.75	-50.26	4.93	10.54	2.15	-46.80	-13.00	33.80	H
3505.33	-63.19	5.53	10.60	2.15	-60.27	-13.00	47.27	V
4194.39	-61.16	6.19	10.49	2.15	-59.01	-13.00	46.01	H
4921.42	-61.07	6.73	11.31	2.15	-58.64	-13.00	45.64	V

SA n12,BPSK,CH141500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1428.51	-58.11	3.27	7.86	2.15	-55.67	-13.00	42.67	H
2132.25	-49.94	4.22	8.35	2.15	-47.96	-13.00	34.96	H
2817.50	-49.14	4.94	10.57	2.15	-45.66	-13.00	32.66	H
3528.77	-63.99	5.60	10.60	2.15	-61.14	-13.00	48.14	V
4253.92	-61.42	6.24	10.62	2.15	-59.19	-13.00	46.19	V
4941.58	-60.25	6.70	11.23	2.15	-57.87	-13.00	44.87	V

SA n12,BPSK,CH142700

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1440.26	-56.63	3.29	7.88	2.15	-54.19	-13.00	41.19	H
2149.00	-52.53	4.25	8.59	2.15	-50.34	-13.00	37.34	H
2864.25	-49.67	4.96	10.73	2.15	-46.05	-13.00	33.05	H
3579.86	-64.53	6.13	10.60	2.15	-62.21	-13.00	49.21	V
4284.86	-60.48	6.21	10.74	2.15	-58.10	-13.00	45.10	V
4981.89	-60.46	6.63	11.26	2.15	-57.98	-13.00	44.98	V

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SA n7,BPSK,CH500500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5020.32	-61.84	6.57	11.34	-57.07	-25.00	32.07	H
7507.98	-54.72	8.36	10.30	-52.78	-25.00	27.78	V
10016.72	-54.86	9.23	11.92	-52.17	-25.00	27.17	V
12517.97	-53.19	10.23	13.30	-50.12	-25.00	25.12	V
15000.94	-53.35	11.22	14.50	-50.07	-25.00	25.07	H
17544.84	-45.21	12.90	13.13	-44.98	-25.00	19.98	V

SA n7,BPSK,CH507000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.95	-61.98	6.69	11.44	-57.23	-25.00	32.23	H
7627.51	-55.13	8.10	10.46	-52.77	-25.00	27.77	V
10150.79	-53.69	9.38	12.00	-51.07	-25.00	26.07	H
12663.28	-52.90	10.36	13.17	-50.09	-25.00	25.09	H
15227.35	-54.65	11.37	14.93	-51.09	-25.00	26.09	V
17747.81	-47.12	12.45	13.55	-46.02	-25.00	21.02	V

SA n7,BPSK,CH513500,ANT 2

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5133.29	-61.22	6.86	11.57	-56.51	-25.00	31.51	H
7710.01	-55.47	8.41	10.70	-53.18	-25.00	28.18	V
10268.91	-53.42	9.54	12.00	-50.96	-25.00	25.96	H
12867.19	-53.21	10.59	12.83	-50.97	-25.00	25.97	H
15402.66	-53.98	11.40	15.11	-50.27	-25.00	25.27	V
17994.84	-46.26	12.90	13.40	-45.76	-25.00	20.76	H

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SA n25,BPSK,CH370500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3675.95	-61.72	6.48	8.45	-59.75	-13.00	46.75	H
5532.66	-59.73	7.16	10.59	-56.30	-13.00	43.30	H
7410.48	-57.37	8.15	12.09	-53.43	-13.00	40.43	V
9255.01	-56.16	9.05	13.25	-51.96	-13.00	38.96	H
11138.91	-53.44	9.67	13.17	-49.94	-13.00	36.94	V
12937.50	-53.45	10.49	13.46	-50.48	-13.00	37.48	V

SA n25,BPSK,CH376500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3769.70	-62.17	6.23	8.58	-59.82	-13.00	46.82	V
5667.20	-60.36	7.28	10.57	-57.07	-13.00	44.07	V
7556.73	-57.88	8.16	12.25	-53.79	-13.00	40.79	H
9417.66	-55.37	9.12	13.35	-51.14	-13.00	38.14	V
11295.94	-53.43	9.97	13.14	-50.26	-13.00	37.26	V
13192.03	-52.80	10.53	13.77	-49.56	-13.00	36.56	H

SA n25,BPSK,CH382500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3809.07	-62.12	6.11	8.63	-59.60	-13.00	46.60	V
5709.38	-58.08	7.29	10.56	-54.81	-13.00	41.81	H
7650.94	-57.45	8.20	12.32	-53.33	-13.00	40.33	V
9540.01	-55.96	9.40	13.36	-52.00	-13.00	39.00	H
11450.16	-54.19	9.94	13.11	-51.02	-13.00	38.02	V
13379.53	-53.75	10.57	14.03	-50.29	-13.00	37.29	H

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SA n30,BPSK,CH461500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4604.54	-73.14	6.47	11.28	-68.33	-40.00	28.33	H
6899.07	-67.32	7.76	10.30	-64.78	-40.00	24.78	V
9203.44	-64.58	8.94	11.70	-61.82	-40.00	21.82	H
11533.13	-63.01	9.81	12.73	-60.09	-40.00	20.09	V
13816.88	-61.00	10.64	12.48	-59.16	-40.00	19.16	V
16179.38	-63.10	11.75	15.16	-59.69	-40.00	19.69	H

SA n30,BPSK,CH462000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4595.63	-72.92	6.48	11.30	-68.10	-40.00	28.10	H
6937.04	-67.43	7.81	10.37	-64.87	-40.00	24.87	V
9264.85	-64.53	9.07	11.67	-61.93	-40.00	21.93	H
11541.57	-63.12	9.81	12.74	-60.19	-40.00	20.19	V
13837.50	-60.97	10.68	12.46	-59.19	-40.00	19.19	H
16196.72	-62.86	11.73	15.11	-59.48	-40.00	19.48	V

SA n30,BPSK,CH462500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4604.54	-73.26	6.47	11.28	-68.45	-40.00	28.45	H
6937.51	-66.47	7.82	10.38	-63.91	-40.00	23.91	H
9234.85	-64.53	9.01	11.70	-61.84	-40.00	21.84	V
11553.75	-63.23	9.81	12.75	-60.29	-40.00	20.29	V
13904.07	-60.99	10.80	12.40	-59.39	-40.00	19.39	V
16216.88	-62.57	11.75	15.07	-59.25	-40.00	19.25	H

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SA n41,BPSK,CH500202

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5009.54	-61.14	6.59	11.32	-56.41	-25.00	31.41	V
7487.35	-55.20	8.36	10.27	-53.29	-25.00	28.29	H
10012.97	-54.60	9.22	11.91	-51.91	-25.00	26.91	H
12513.75	-52.22	10.21	13.30	-49.13	-25.00	24.13	V
15002.35	-53.33	11.22	14.50	-50.05	-25.00	25.05	V
17510.16	-45.36	12.76	13.03	-45.09	-25.00	20.09	V

SA n41,BPSK,CH500502

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6491.26	-59.70	7.52	10.72	-56.50	-25.00	31.50	H
7799.07	-55.95	8.29	10.90	-53.34	-25.00	28.34	V
9080.16	-54.32	8.99	11.80	-51.51	-25.00	26.51	H
14268.28	-52.19	10.94	12.77	-50.36	-25.00	25.36	V
15536.25	-54.52	11.52	15.34	-50.70	-25.00	25.70	H
16879.22	-51.35	12.02	14.08	-49.29	-25.00	24.29	H

SA n41,BPSK,CH518598

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7801.88	-56.63	8.29	10.91	-54.01	-25.00	29.01	V
9102.66	-55.34	8.93	11.80	-52.47	-25.00	27.47	V
10342.04	-53.40	9.71	12.04	-51.07	-25.00	26.07	H
12960.94	-52.84	10.48	12.74	-50.58	-25.00	25.58	V
15581.72	-54.50	11.49	15.38	-50.61	-25.00	25.61	H
16860.94	-51.42	12.04	14.06	-49.40	-25.00	24.40	H

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SA n66,BPSK,CH342500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3434.07	-74.71	5.40	10.43	-69.68	-13.00	56.68	H
5145.95	-71.01	6.88	11.59	-66.30	-13.00	53.30	H
6859.23	-66.46	7.81	10.38	-63.89	-13.00	50.89	H
8553.76	-64.16	8.58	11.31	-61.43	-13.00	48.43	H
10263.29	-62.97	9.52	12.00	-60.49	-13.00	47.49	H
11976.57	-63.15	10.16	13.18	-60.13	-13.00	47.13	V

SA n66,BPSK,CH349000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3507.20	-74.23	5.53	10.60	-69.16	-13.00	56.16	V
5252.35	-71.87	7.00	11.70	-67.17	-13.00	54.17	V
6971.26	-66.72	8.08	10.40	-64.40	-13.00	51.40	V
8707.51	-64.60	8.38	11.30	-61.68	-13.00	48.68	V
10455.47	-62.55	9.72	12.16	-60.11	-13.00	47.11	V
12229.69	-63.69	10.04	13.49	-60.24	-13.00	47.24	V

SA n66,BPSK,CH355550

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3563.92	-75.30	5.97	10.60	-70.67	-13.00	57.67	V
5342.82	-71.58	6.95	11.51	-67.02	-13.00	54.02	H
7129.23	-66.10	8.17	10.50	-63.77	-13.00	50.77	V
8881.88	-64.11	8.81	11.46	-61.46	-13.00	48.46	H
10669.22	-63.45	9.30	12.13	-60.62	-13.00	47.62	V
12460.78	-63.02	10.28	13.34	-59.96	-13.00	46.96	V

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SA n71,BPSK,CH133100

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1309.76	-57.59	3.13	7.06	2.15	-55.81	-13.00	42.81	H
1979.51	-54.30	3.99	7.85	2.15	-52.59	-13.00	39.59	H
2609.50	-50.50	4.71	9.80	2.15	-47.56	-13.00	34.56	V
3278.46	-65.13	5.28	10.36	2.15	-62.20	-13.00	49.20	V
3919.71	-62.36	6.12	10.36	2.15	-60.27	-13.00	47.27	H
4581.58	-62.32	6.49	11.30	2.15	-59.66	-13.00	46.66	H

SA n71,BPSK,CH136100

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1351.26	-59.94	3.18	7.31	2.15	-57.96	-13.00	44.96	H
2030.25	-53.08	4.13	7.42	2.15	-51.94	-13.00	38.94	H
2725.50	-48.89	4.81	9.95	2.15	-45.90	-13.00	32.90	H
3404.55	-64.12	5.37	10.49	2.15	-61.15	-13.00	48.15	H
4093.61	-61.79	6.04	10.40	2.15	-59.58	-13.00	46.58	V
4768.61	-60.82	6.61	11.40	2.15	-58.18	-13.00	45.18	V

SA n71,BPSK,CH139100

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Correction	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1410.01	-59.25	3.25	7.82	2.15	-56.83	-13.00	43.83	V
2133.25	-48.85	4.23	8.37	2.15	-46.86	-13.00	33.86	H
2824.25	-49.62	4.95	10.60	2.15	-46.12	-13.00	33.12	H
3529.24	-63.78	5.61	10.60	2.15	-60.94	-13.00	47.94	H
4252.99	-60.77	6.24	10.61	2.15	-58.55	-13.00	45.55	V
4942.52	-59.80	6.70	11.23	2.15	-57.42	-13.00	44.42	H

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DC 12A_n66,BPSK,CH342500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.01	-65.22	5.41	10.42	-60.21	-13.00	47.21	H
5149.01	-61.62	6.88	11.60	-56.90	-13.00	43.90	V
6818.01	-56.32	7.87	10.40	-53.79	-13.00	40.79	H
8582.01	-54.65	8.53	11.36	-51.82	-13.00	38.82	H
10244.01	-54.14	9.45	12.00	-51.59	-13.00	38.59	H
11991.00	-53.91	10.09	13.19	-50.81	-13.00	37.81	H

DC 12A_n66,BPSK,CH347500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3487.01	-65.21	5.50	10.55	-60.16	-13.00	47.16	H
5263.01	-62.14	6.99	11.67	-57.46	-13.00	44.46	V
6998.01	-56.74	8.28	10.40	-54.62	-13.00	41.62	H
8693.01	-55.09	8.37	11.30	-52.16	-13.00	39.16	V
10482.01	-52.60	9.68	12.18	-50.10	-13.00	37.10	V
12186.00	-53.64	10.10	13.36	-50.38	-13.00	37.38	V

DC 12A_n66,BPSK,CH352500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3529.01	-66.02	5.61	10.60	-61.03	-13.00	48.03	V
5341.01	-62.46	6.95	11.52	-57.89	-13.00	44.89	H
7141.01	-56.81	8.17	10.50	-54.48	-13.00	41.48	V
8879.01	-54.65	8.81	11.46	-52.00	-13.00	39.00	H
10695.00	-53.61	9.30	12.10	-50.81	-13.00	37.81	H
12429.00	-52.80	10.36	13.37	-49.79	-13.00	36.79	H

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DC 7A_n5,BPSK,CH165300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1641.76	-60.91	3.56	9.50	-54.97	-25.00	29.97	H
2496.00	-52.68	4.62	10.22	-47.08	-25.00	22.08	H
3332.35	-67.02	5.30	10.46	-61.86	-25.00	36.86	H
4161.57	-62.32	6.12	10.42	-58.02	-25.00	33.02	H
4948.60	-62.76	6.69	11.21	-58.24	-25.00	33.24	V
5758.13	-60.81	7.25	11.08	-56.98	-25.00	31.98	V

DC 7A_n5,BPSK,CH167300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.26	-63.30	3.58	9.55	-57.33	-25.00	32.33	H
2509.75	-54.86	4.63	10.18	-49.31	-25.00	24.31	H
3346.42	-68.69	5.31	10.49	-63.51	-25.00	38.51	V
4182.67	-64.66	6.17	10.47	-60.36	-25.00	35.36	H
5018.91	-63.35	6.57	11.34	-58.58	-25.00	33.58	V
5855.63	-63.45	7.25	10.77	-59.93	-25.00	34.93	H

DC 7A_n5,BPSK,CH169300

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5068.13	-63.29	6.68	11.44	-58.53	-25.00	33.53	H
7603.13	-55.23	7.99	10.41	-52.81	-25.00	27.81	V
10138.13	-52.87	9.40	12.00	-50.27	-25.00	25.27	V
12674.07	-55.04	10.34	13.15	-52.23	-25.00	27.23	V
15210.47	-55.28	11.39	14.91	-51.76	-25.00	26.76	H
17745.94	-49.61	12.44	13.55	-48.50	-25.00	23.50	H

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DC 5A_n30,BPSK,CH461500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4601.26	-73.13	6.47	11.29	-68.31	-40.00	28.31	H
6922.51	-67.67	7.72	10.35	-65.04	-40.00	25.04	H
9202.51	-64.81	8.93	11.70	-62.04	-40.00	22.04	V
11513.44	-63.36	9.81	12.71	-60.46	-40.00	20.46	V
13824.38	-61.15	10.65	12.48	-59.32	-40.00	19.32	V
16177.50	-63.73	11.76	15.17	-60.32	-40.00	20.32	V

DC 5A_n30,BPSK,CH462000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4604.54	-73.40	6.47	11.28	-68.59	-40.00	28.59	H
6949.23	-67.57	7.91	10.40	-65.08	-40.00	25.08	V
9232.51	-64.65	9.00	11.70	-61.95	-40.00	21.95	H
11538.75	-63.53	9.81	12.74	-60.60	-40.00	20.60	V
13830.94	-61.26	10.67	12.47	-59.46	-40.00	19.46	V
16190.16	-62.87	11.74	15.13	-59.48	-40.00	19.48	V

DC 5A_n30,BPSK,CH462500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4613.92	-73.25	6.46	11.24	-68.47	-40.00	28.47	H
6937.51	-67.10	7.82	10.38	-64.54	-40.00	24.54	H
9231.10	-65.08	9.00	11.70	-62.38	-40.00	22.38	V
11546.25	-63.53	9.81	12.75	-60.59	-40.00	20.59	V
13896.10	-61.36	10.80	12.40	-59.76	-40.00	19.76	V
16214.06	-62.91	11.74	15.07	-59.58	-40.00	19.58	V

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DC 66A_n71,BPSK,CH133100

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1301.76	-51.65	3.12	4.47	-50.30	-13.00	37.30	H
2017.25	-47.43	4.10	4.65	-46.88	-13.00	33.88	H
2673.75	-42.38	4.76	6.41	-40.73	-13.00	27.73	H
12643.13	-53.37	10.39	13.29	-50.47	-13.00	37.47	H
13311.10	-53.54	10.58	13.94	-50.18	-13.00	37.18	V
13996.88	-52.29	10.85	14.50	-48.64	-13.00	35.64	V

DC 66A_n71,BPSK,CH136100

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1333.26	-53.43	3.15	4.63	-51.95	-13.00	38.95	H
2015.00	-48.20	4.10	4.65	-47.65	-13.00	34.65	H
2698.00	-41.68	4.78	6.46	-40.00	-13.00	27.00	H
3422.35	-63.28	5.38	8.01	-60.65	-13.00	47.65	H
4075.32	-62.62	6.04	8.98	-59.68	-13.00	46.68	V
4764.38	-61.87	6.60	9.66	-58.81	-13.00	45.81	V

DC 66A_n71,BPSK,CH139100

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1412.51	-53.61	3.25	5.05	-51.81	-13.00	38.81	H
2101.50	-47.66	4.19	4.90	-46.95	-13.00	33.95	V
2809.50	-42.18	4.93	6.66	-40.45	-13.00	27.45	H
3503.45	-63.32	5.53	8.20	-60.65	-13.00	47.65	H
4195.32	-61.34	6.20	9.10	-58.44	-13.00	45.44	V
4871.73	-61.57	6.72	9.77	-58.52	-13.00	45.52	H

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DC 66A_n25,BPSK,CH370500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.79	-62.32	6.39	8.50	-60.21	-13.00	47.21	V
5565.95	-60.29	7.20	10.59	-56.90	-13.00	43.90	H
7381.88	-58.09	8.11	12.06	-54.14	-13.00	41.14	V
9248.44	-56.55	9.04	13.25	-52.34	-13.00	39.34	H
11093.44	-53.66	9.85	13.18	-50.33	-13.00	37.33	V
12985.32	-53.74	10.47	13.49	-50.72	-13.00	37.72	V

DC 66A_n25,BPSK,CH376500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3779.07	-62.18	6.20	8.59	-59.79	-13.00	46.79	V
5653.60	-60.21	7.27	10.57	-56.91	-13.00	43.91	H
7507.04	-57.94	8.36	12.21	-54.09	-13.00	41.09	H
9438.76	-55.19	9.23	13.36	-51.06	-13.00	38.06	V
11316.10	-52.96	10.01	13.14	-49.83	-13.00	36.83	V
13184.07	-53.49	10.57	13.76	-50.30	-13.00	37.30	V

DC 66A_n25,BPSK,CH382500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3798.76	-63.23	6.14	8.62	-60.75	-13.00	47.75	V
5745.95	-60.24	7.27	10.55	-56.96	-13.00	43.96	V
7651.41	-57.63	8.21	12.32	-53.52	-13.00	40.52	H
9580.79	-55.58	9.25	13.32	-51.51	-13.00	38.51	H
11456.25	-53.79	9.92	13.11	-50.60	-13.00	37.60	V
13377.19	-53.34	10.57	14.03	-49.88	-13.00	36.88	H

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DC 4A_n7,BPSK,CH500500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5013.29	-62.15	6.58	11.33	-57.40	-25.00	32.40	V
7491.57	-56.33	8.37	10.28	-54.42	-25.00	29.42	V
10030.79	-54.75	9.27	11.93	-52.09	-25.00	27.09	V
12483.75	-53.70	10.22	13.32	-50.60	-25.00	25.60	H
15011.25	-53.97	11.23	14.51	-50.69	-25.00	25.69	V
17511.09	-45.10	12.77	13.03	-44.84	-25.00	19.84	V

DC 4A_n7,BPSK,CH507000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5067.20	-62.85	6.68	11.43	-58.10	-25.00	33.10	V
7596.10	-55.85	7.99	10.39	-53.45	-25.00	28.45	H
10143.76	-53.90	9.39	12.00	-51.29	-25.00	26.29	V
12696.57	-54.05	10.30	13.11	-51.24	-25.00	26.24	V
15235.78	-54.38	11.36	14.94	-50.80	-25.00	25.80	H
17730.47	-47.67	12.35	13.57	-46.45	-25.00	21.45	H

DC 4A_n7,BPSK,CH513500

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5285.16	-62.95	6.99	11.63	-58.31	-25.00	33.31	H
7999.69	-55.42	8.32	11.20	-52.54	-25.00	27.54	V
10621.88	-53.75	9.29	12.18	-50.86	-25.00	25.86	V
13260.00	-52.74	10.55	12.60	-50.69	-25.00	25.69	H
15944.53	-53.23	11.71	15.49	-49.45	-25.00	24.45	V
17287.03	-47.88	12.37	13.77	-46.48	-25.00	21.48	H

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DC 2A_n41,BPSK,CH500202

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5009.07	-61.45	6.59	11.32	-56.72	-25.00	31.72	H
7483.60	-55.82	8.35	10.27	-53.90	-25.00	28.90	V
10010.16	-55.10	9.21	11.91	-52.40	-25.00	27.40	H
12527.82	-54.06	10.25	13.30	-51.01	-25.00	26.01	V
14996.72	-53.77	11.21	14.49	-50.49	-25.00	25.49	V
17487.66	-45.68	12.70	13.05	-45.33	-25.00	20.33	H

DC 2A_n41,BPSK,CH518598

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5163.76	-63.13	6.90	11.63	-58.40	-25.00	33.40	H
7806.57	-56.80	8.30	10.93	-54.17	-25.00	29.17	H
10355.16	-52.20	9.73	12.06	-49.87	-25.00	24.87	V
12981.57	-53.61	10.47	12.72	-51.36	-25.00	26.36	V
15536.72	-55.45	11.52	15.34	-51.63	-25.00	26.63	V
16860.47	-51.28	12.04	14.06	-49.26	-25.00	24.26	V

DC 2A_n41,BPSK,CH537000

Frequency (MHz)	SG (dBm)	CableLoss (dB)	AntennaGain (dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5392.98	-62.30	6.84	11.41	-57.73	-25.00	32.73	H
8041.41	-54.89	8.32	11.28	-51.93	-25.00	26.93	V
10754.07	-53.15	9.44	12.15	-50.44	-25.00	25.44	H
13429.69	-51.30	10.59	12.43	-49.46	-25.00	24.46	V
16100.16	-54.16	11.85	15.40	-50.61	-25.00	25.61	V
17449.69	-46.65	12.61	13.20	-46.06	-25.00	21.06	H

Note 1: Peak EIRP (dBm) = PMea(dBm) - Path Loss(dB) + Antenna Gain(dBi)

Note 2: Only the worst cases were reported.

Note: The maximum value of expanded measurement uncertainty for this test item is U = 5.64 dB, k = 2.

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A.3 Frequency Stability

A.3.1 Method of Measurement

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as F_L and F_H respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of MT8000A.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30℃.
3. With the EUT, powered via nominal voltage, connected to the MT8000A, and in a simulated call on middle channel for each NR band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50℃.
7. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 ℃ decrements from +50℃ to -30℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.

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A.3.2 Measurement results

n5

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	824.256	847.640		
50				3.90	0.0047
40				6.10	0.0073
30				7.90	0.0094
10				10.40	0.0124
0				5.10	0.0061
-10				5.40	0.0065
-20				5.20	0.0062
-30				3.00	0.0036

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	824.256	847.640	13.30	0.0159
4.5				5.90	0.0071

n7

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	2500.432	2569.552		
50				3.30	0.0013
40				12.40	0.0049
30				2.10	0.0008
10				4.40	0.0017
0				3.50	0.0014
-10				6.70	0.0026
-20				1.40	0.0006
-30				0.90	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	2500.432	2569.552	6.50	0.0026
4.5				1.00	0.0004

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Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	699.176	715.088		
50				6.70	0.0095
40				3.30	0.0047
30				4.30	0.0061
10				5.60	0.0079
0				4.80	0.0068
-10				7.70	0.0109
-20				6.10	0.0086
-30				7.60	0.0107

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	699.176	715.088	8.40	0.0119
4.5				6.40	0.0090

n25

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	1850.096	1914.904		
50				-7.90	0.0042
40				-7.50	0.0040
30				-11.60	0.0062
10				-0.70	0.0004
0				-2.30	0.0012
-10				-2.70	0.0014
-20				-0.90	0.0005
-30				-1.70	0.0009

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	1850.096	1914.904	-10.60	0.0056
4.5				-2.50	0.0013

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n30

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	2305.300	2314.340		
50				-4.50	0.0019
40				5.10	0.0022
30				0.70	0.0003
10				-10.40	0.0045
0				-1.20	0.0005
-10				-1.30	0.0006
-20				0.00	0.0000
-30				4.60	0.0020

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	2305.300	2314.340	0.80	0.0003
4.5				-3.90	0.0017

n41

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	2496.688	2688.144		
50				17.90	0.0069
40				-9.20	0.0035
30				20.60	0.0079
10				3.50	0.0013
0				14.10	0.0054
-10				14.20	0.0055
-20				-3.50	0.0013
-30				23.20	0.0089

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	2496.688	2688.144	10.50	0.0040
4.5				-0.30	0.0001

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n66

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	1710.064	1779.888		
50				5.30	0.0030
40				4.90	0.0028
30				3.90	0.0022
10				-0.80	0.0005
0				3.30	0.0019
-10				3.10	0.0018
-20				5.00	0.0029
-30				1.10	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	1710.064	1779.888	0.80	0.0005
4.5				0.50	0.0003

n71

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	663.432	696.464		
50				3.50	0.0051
40				-0.70	0.0010
30				5.60	0.0082
10				9.70	0.0143
0				3.40	0.0050
-10				2.30	0.0034
-20				-1.60	0.0024
-30				0.10	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	663.432	696.464	5.00	0.0073
4.5				-0.20	0.0003

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n77L

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	3450.720	3548.512		
50				-10.30	0.0029
40				9.40	0.0027
30				-14.80	0.0042
10				0.00	0.0000
0				-14.00	0.0040
-10				0.10	0.0000
-20				-3.40	0.0010
-30				0.20	0.0001

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	3450.720	3548.512	3.10	0.0009
4.5				-6.50	0.0019

n77H

Frequency Error vs Temperature

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	3700.368	3978.496		
50				0.20	0.0001
40				-0.30	0.0001
30				10.40	0.0027
10				-3.30	0.0009
0				-5.00	0.0013
-10				-11.50	0.0030
-20				-12.50	0.0033
-30				5.00	0.0013

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	3700.368	3978.496	-7.80	0.0020
4.5				6.20	0.0016

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n41-MIMO

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	2496.704	2689.216		
50				-4.00	0.0015
40				12.80	0.0049
30				-2.90	0.0011
10				-4.00	0.0015
0				5.50	0.0021
-10				0.30	0.0001
-20				3.40	0.0013
-30				-4.90	0.0019

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	2496.704	2689.216	-3.00	0.0012
4.5				-1.90	0.0007

n77L-MIMO

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	3450.752	3549.232		
50				-5.80	0.0017
40				-15.00	0.0043
30				-2.90	0.0008
10				-6.20	0.0018
0				-13.80	0.0039
-10				-1.60	0.0005
-20				-8.70	0.0025
-30				-1.10	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	3450.752	3549.232	-5.40	0.0015
4.5				-0.40	0.0001

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n77H-MIMO

Frequency Error vs Voltage

Temperature(℃)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.91	3700.400	3979.520		
50				-6.50	0.0017
40				0.80	0.0002
30				-2.20	0.0006
10				4.30	0.0011
0				-1.90	0.0005
-10				4.40	0.0011
-20				-6.30	0.0016
-30				0.60	0.0002

Frequency Error vs Voltage

Voltage(V)	Temperature(℃)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.4	20	3700.400	3979.520	8.90	0.0023
4.5				-7.60	0.0020

Note: The maximum value of expanded measurement uncertainty for this test item is U = 0.047k Hz, k = 2.

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A.4 Occupied Bandwidth

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the mid frequencies frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.
The measurement method is from ANSI C63.26:
a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
d) Set the detection mode to peak, and the trace mode to max-hold.

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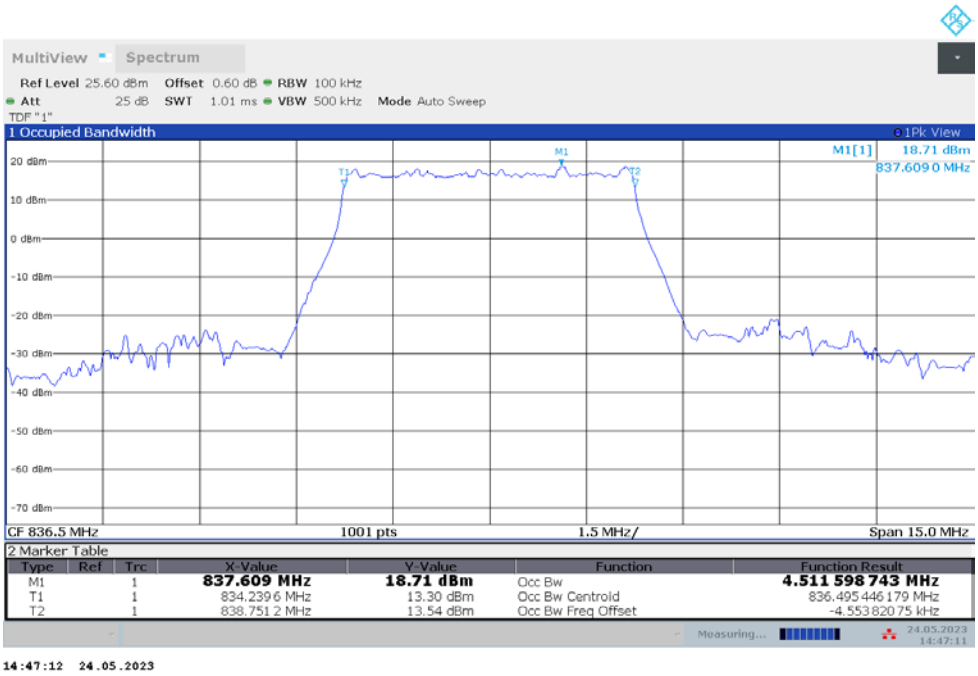
n5

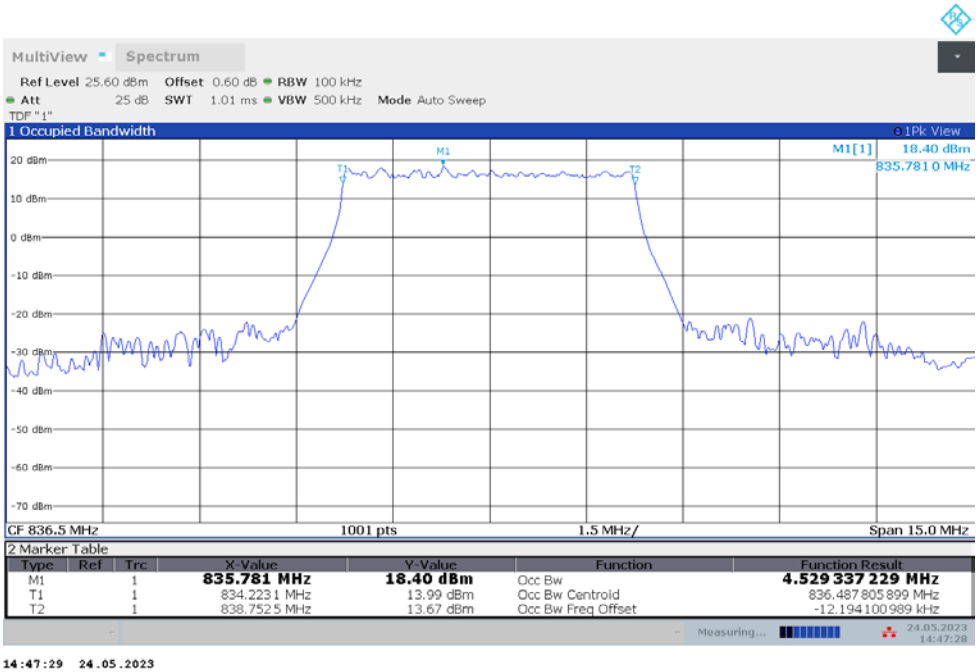
n5,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	4.512	4.529

n5,5MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n5,5MHz Bandwidth,DFT-s-QPSK (99% BW)



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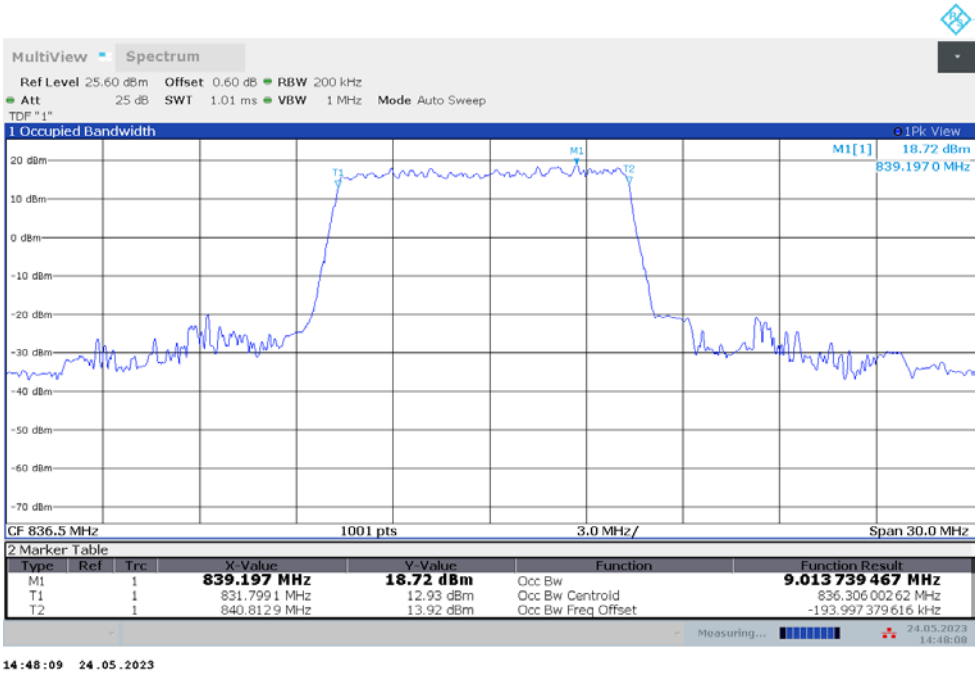
n5

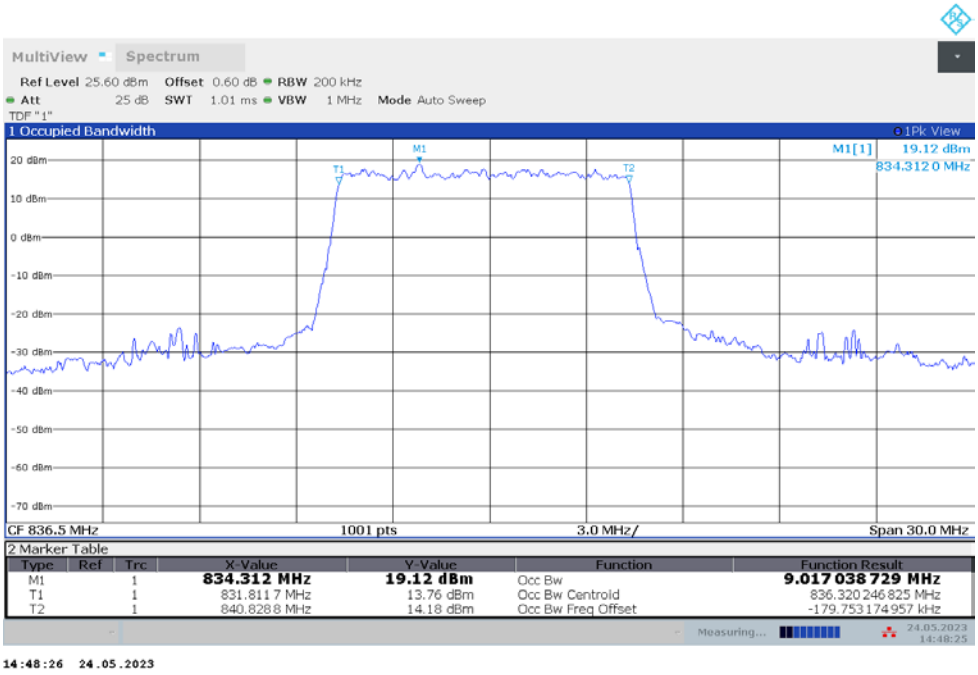
n5,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	9.014	9.017

n5,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n5,10MHz Bandwidth,DFT-s-QPSK (99% BW)



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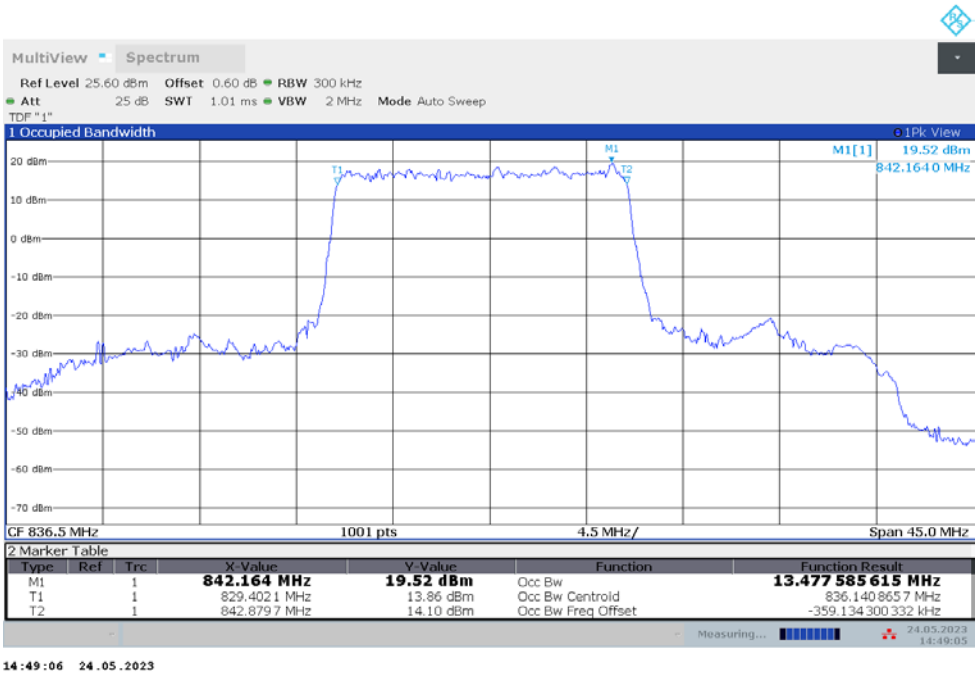
n5

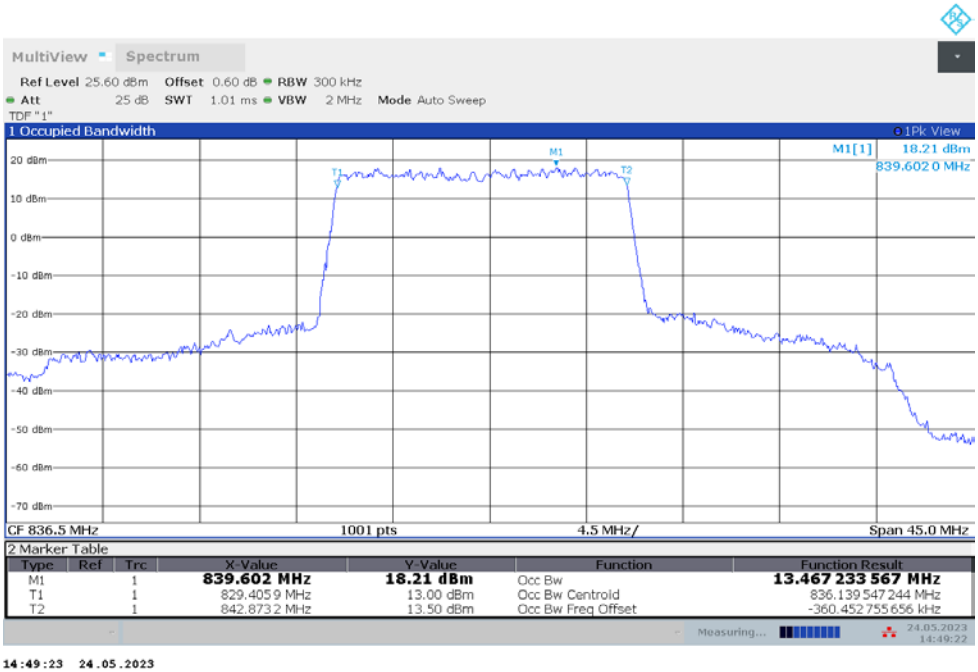
n5,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	13.478	13.467

n5,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n5,15MHz Bandwidth,DFT-s-QPSK (99% BW)



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