

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZSAR-TRF-01-A05 Rev. A/0 Aug 16,2024

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N66 DSI 2/3				Conducted Power(dBm)				
SCS 15kHz								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				346000	349000	352000		
				1730	1745	1760		
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.73	23.88	23.82	24.90	
		1	108	24.03	24.09	24.19	24.90	
		1	214	23.75	23.85	23.73	24.90	
		108	0	23.40	23.30	23.38	24.40	
		108	54	23.68	23.70	23.67	24.90	
		108	108	23.17	23.19	23.26	24.40	
		216	0	23.43	23.21	23.27	24.40	
	DFT-s-OFDM QPSK	1	1	23.82	23.90	23.87	24.90	
		1	108	24.07	24.14	24.09	24.90	
		1	214	23.71	23.75	23.76	24.90	
		108	0	22.84	22.82	22.85	23.90	
		108	54	23.73	23.76	23.75	24.90	
		108	108	22.74	22.64	22.72	23.90	
		216	0	22.83	22.73	22.76	23.90	
	DFT-s-OFDM 16QAM	1	1	22.71	22.65	22.66	23.90	
	DFT-s-OFDM 64QAM	1	1	21.16	21.09	21.14	22.40	
	DFT-s-OFDM 256QAM	1	1	19.64	19.71	19.81	20.40	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	22.43	22.40	22.50	23.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				345000	349000	353000		
30MHz	DFT-s-OFDM QPSK	1	1	23.74	23.93	23.82	24.90	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				344500	349000	353500		
25MHz	DFT-s-OFDM QPSK	1	1	23.87	23.94	23.83	24.90	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				344000	349000	354000		



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20MHz	DFT-s-OFDM QPSK	1	1	23.85	23.85	23.83	24.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	23.92	23.82	23.84	24.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	23.84	23.85	23.81	24.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	23.72	23.94	23.83	24.90

N66 DSI 4/5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.66	19.98	19.73	20.90
		1	108	19.98	20.08	20.27	20.90
		1	214	19.77	19.92	19.64	20.90
		108	0	19.43	19.38	19.43	20.40
		108	54	19.76	19.73	19.66	20.90
		108	108	19.23	19.15	19.35	20.40
		216	0	19.49	19.22	19.26	20.40
	DFT-s-OFDM QPSK	1	1	19.79	19.92	19.78	20.90
		1	108	20.08	20.06	20.19	20.90
		1	214	19.73	19.65	19.75	20.90
		108	0	18.85	18.79	18.88	19.90
		108	54	19.78	19.66	19.80	20.90
		108	108	18.76	18.70	18.76	19.90
		216	0	18.86	18.64	18.66	19.90
	DFT-s-OFDM 16QAM	1	1	18.65	18.67	18.75	19.90
	DFT-s-OFDM 64QAM	1	1	17.19	17.03	17.20	18.40
	DFT-s-OFDM 256QAM	1	1	15.54	15.72	15.80	16.40



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	18.46	18.40	18.49	19.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	19.80	19.96	19.76	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	19.97	19.90	19.75	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	19.87	19.79	19.84	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	19.92	19.86	19.81	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	19.86	19.79	19.74	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	19.71	19.97	19.82	20.90

N66 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.33	19.45	19.36	20.40
		1	108	19.51	19.68	19.65	20.40
		1	214	19.33	19.40	19.20	20.40
		108	0	18.83	18.70	18.93	19.90
		108	54	19.16	19.12	19.17	20.40
		108	108	18.73	18.60	18.84	19.90



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		216	0	18.97	18.68	18.67	19.90
	DFT-s-OFDM QPSK	1	1	19.26	19.47	19.28	20.40
		1	108	19.65	19.59	19.51	20.40
		1	214	19.30	19.21	19.36	20.40
		108	0	18.31	18.28	18.39	19.40
		108	54	19.30	19.35	19.32	20.40
		108	108	18.20	18.24	18.28	19.40
		216	0	18.37	18.32	18.18	19.40
	DFT-s-OFDM 16QAM	1	1	18.20	18.18	18.18	19.40
	DFT-s-OFDM 64QAM	1	1	16.67	16.69	16.73	17.90
	DFT-s-OFDM 256QAM	1	1	15.10	15.18	15.29	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	17.95	17.97	18.01	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	19.21	19.42	19.24	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	19.41	19.54	19.35	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	19.40	19.38	19.32	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	19.34	19.34	19.42	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	19.34	19.44	19.28	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	



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5MHz	DFT-s-OFDM QPSK	1	1	19.29	19.34	19.40	20.40
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8 Conducted Power of NR NSA Antenna

8.1 Conducted Power of NR NSA Antenna (Ant11)

N2 DSI 2/3/4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.37	23.25	23.14	24.20
		1	53	23.32	23.32	23.45	24.20
		1	104	23.30	23.26	23.42	24.20
		50	0	22.72	22.74	22.70	23.70
		50	28	23.25	23.10	23.28	24.20
		50	56	22.81	22.71	22.63	23.70
		100	0	22.84	22.73	22.69	23.70
	DFT-s-OFDM QPSK	1	1	23.47	23.27	23.23	24.20
		1	53	23.38	23.28	23.38	24.20
		1	104	23.29	23.22	23.45	24.20
		50	0	22.21	22.21	22.18	23.20
		50	28	23.27	23.18	23.29	24.20
		50	56	22.32	22.24	22.15	23.20
		100	0	22.30	22.21	22.22	23.20
	DFT-s-OFDM 16QAM	1	1	21.82	21.91	21.97	23.20
	DFT-s-OFDM 64QAM	1	1	20.38	20.44	20.48	21.70
	DFT-s-OFDM 256QAM	1	1	18.92	19.02	18.99	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	21.75	21.68	21.72	22.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	23.56	23.17	23.15	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	23.55	23.20	23.25	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	23.46	23.37	23.26	24.20



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N2 DSI 5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.91	21.73	21.68	22.70
		1	53	21.81	21.81	21.93	22.70
		1	104	21.85	21.80	21.92	22.70
		50	0	21.20	21.21	21.24	22.20
		50	28	21.77	21.59	21.73	22.70
		50	56	21.34	21.25	21.15	22.20
		100	0	21.39	21.24	21.18	22.20
	DFT-s-OFDM QPSK	1	1	21.92	21.72	21.69	22.70
		1	53	21.89	21.76	21.86	22.70
		1	104	21.77	21.75	21.92	22.70
		50	0	20.70	20.75	20.65	21.70
		50	28	21.76	21.69	21.74	22.70
		50	56	20.77	20.69	20.60	21.70
		100	0	20.85	20.67	20.72	21.70
	DFT-s-OFDM 16QAM	1	1	20.35	20.44	20.48	21.70
	DFT-s-OFDM 64QAM	1	1	18.87	18.96	18.97	20.20
	DFT-s-OFDM 256QAM	1	1	17.39	17.54	17.44	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	20.23	20.17	20.26	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	22.05	21.71	21.62	22.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	22.01	21.70	21.79	22.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	21.95	21.90	21.71	22.70



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N2 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.32	20.28	20.09	21.20
		1	53	20.30	20.36	20.40	21.20
		1	104	20.32	20.25	20.44	21.20
		50	0	19.76	19.76	19.66	20.70
		50	28	20.25	20.06	20.30	21.20
		50	56	19.83	19.68	19.63	20.70
		100	0	19.79	19.74	19.74	20.70
	DFT-s-OFDM QPSK	1	1	20.43	20.22	20.24	21.20
		1	53	20.42	20.30	20.38	21.20
		1	104	20.33	20.26	20.47	21.20
		50	0	19.23	19.19	19.18	20.20
		50	28	20.24	20.15	20.27	21.20
		50	56	19.36	19.25	19.11	20.20
		100	0	19.33	19.21	19.21	20.20
	DFT-s-OFDM 16QAM	1	1	18.83	18.86	18.97	20.20
	DFT-s-OFDM 64QAM	1	1	17.33	17.45	17.45	18.70
	DFT-s-OFDM 256QAM	1	1	15.88	15.99	15.96	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	18.80	18.72	18.71	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	20.58	20.12	20.10	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	20.50	20.15	20.21	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	20.47	20.35	20.29	21.20



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N7 DSI 4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.15	20.35	20.13	21.40
		1	135	20.18	20.34	20.18	21.40
		1	268	20.21	20.31	20.19	21.40
		135	0	19.86	19.85	19.78	20.90
		135	67	20.42	20.49	20.35	21.40
		135	135	19.69	19.86	19.65	20.90
		270	0	19.83	19.75	19.83	20.90
	DFT-s-OFDM QPSK	1	1	20.23	20.20	20.19	21.40
		1	135	20.18	20.30	20.32	21.40
		1	268	20.21	20.30	20.18	21.40
		135	0	19.42	19.20	19.29	20.40
		135	67	20.73	20.44	20.75	21.40
		135	135	19.27	19.36	19.25	20.40
		270	0	19.27	19.29	19.29	20.40
	DFT-s-OFDM 16QAM	1	1	18.88	18.94	18.86	20.40
	DFT-s-OFDM 64QAM	1	1	17.56	17.58	17.47	18.90
	DFT-s-OFDM 256QAM	1	1	16.18	16.17	16.21	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	18.82	18.84	18.72	19.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	DFT-s-OFDM QPSK	1	1	20.27	20.34	20.10	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	20.25	20.15	20.05	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	20.18	20.13	20.22	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	20.12	20.13	20.17	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	20.18	20.28	20.11	21.40



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	20.24	20.21	20.19	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	20.25	20.19	19.99	21.40

N7 DSI 2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.67	13.86	13.51	14.90
		1	135	13.71	13.87	13.70	14.90
		1	268	13.76	13.75	13.60	14.90
		135	0	13.29	13.29	13.24	14.40
		135	67	13.91	14.01	13.80	14.90
		135	135	13.21	13.32	13.13	14.40
		270	0	13.39	13.35	13.40	14.40
	DFT-s-OFDM QPSK	1	1	13.75	13.66	13.72	14.90
		1	135	13.75	13.83	13.83	14.90
		1	268	13.71	13.84	13.75	14.90
		135	0	12.88	12.83	12.74	13.90
		135	67	14.39	13.87	14.33	14.90
		135	135	12.73	12.81	12.64	13.90
		270	0	12.77	12.79	12.93	13.90
	DFT-s-OFDM 16QAM	1	1	12.32	12.48	12.40	13.90
	DFT-s-OFDM 64QAM	1	1	11.08	11.05	10.96	12.40
	DFT-s-OFDM 256QAM	1	1	9.73	9.63	9.61	10.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	12.27	12.24	12.19	13.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	DFT-s-OFDM QPSK	1	1	13.67	13.78	13.67	14.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	13.72	13.74	13.65	14.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	13.70	13.81	13.63	14.90



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	13.54	13.80	13.83	14.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	13.62	13.81	13.65	14.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	13.78	13.85	13.71	14.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	13.67	13.62	13.53	14.90

N7 DSI 3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	12.66	12.86	12.61	13.90
		1	135	12.63	12.92	12.82	13.90
		1	268	12.63	12.76	12.59	13.90
		135	0	12.30	12.26	12.09	13.40
		135	67	12.90	12.96	12.81	13.90
		135	135	12.32	12.29	12.19	13.40
		270	0	12.32	12.23	12.34	13.40
	DFT-s-OFDM QPSK	1	1	12.77	12.80	12.64	13.90
		1	135	12.81	12.83	12.72	13.90
		1	268	12.67	12.79	12.69	13.90
		135	0	11.78	11.73	11.69	12.90
		135	67	13.28	12.91	13.32	13.90
		135	135	11.75	11.85	11.76	12.90
		270	0	11.87	11.76	11.85	12.90
	DFT-s-OFDM 16QAM	1	1	11.41	11.29	11.35	12.90
	DFT-s-OFDM 64QAM	1	1	10.18	10.03	10.01	11.40
	DFT-s-OFDM 256QAM	1	1	8.58	8.71	8.73	9.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	11.29	11.38	11.23	12.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	DFT-s-OFDM QPSK	1	1	12.77	12.92	12.66	13.90



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	12.78	12.76	12.63	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	12.66	12.68	12.57	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	12.57	12.71	12.74	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	12.57	12.71	12.71	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	12.69	12.82	12.65	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	12.73	12.74	12.56	13.90

N7 DSI 5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.72	14.89	14.54	15.90
		1	135	14.79	14.85	14.75	15.90
		1	268	14.81	14.76	14.76	15.90
		135	0	14.36	14.40	14.26	15.40
		135	67	15.00	14.99	14.97	15.90
		135	135	14.26	14.40	14.23	15.40
		270	0	14.33	14.28	14.29	15.40
	DFT-s-OFDM QPSK	1	1	14.68	14.73	14.75	15.90
		1	135	14.76	14.81	14.91	15.90
		1	268	14.68	14.82	14.61	15.90
		135	0	13.78	13.70	13.78	14.90
		135	67	15.34	14.96	15.26	15.90
		135	135	13.70	13.71	13.78	14.90
		270	0	13.78	13.68	13.81	14.90
	DFT-s-OFDM 16QAM	1	1	13.35	13.30	13.49	14.90
	DFT-s-OFDM 64QAM	1	1	12.12	12.05	12.00	13.40
	DFT-s-OFDM 256QAM	1	1	10.59	10.72	10.60	11.40



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	13.30	13.39	13.24	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	DFT-s-OFDM QPSK	1	1	14.65	14.87	14.74	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	14.76	14.67	14.62	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	14.62	14.69	14.64	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	14.65	14.74	14.73	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	14.67	14.73	14.74	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	14.73	14.75	14.70	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	14.72	14.65	14.46	15.90

N7 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.09	13.26	13.05	14.40
		1	135	13.24	13.32	13.21	14.40
		1	268	13.28	13.23	13.18	14.40
		135	0	12.93	12.74	12.72	13.90
		135	67	13.39	13.47	13.37	14.40
		135	135	12.77	12.85	12.66	13.90
		270	0	12.76	12.72	12.80	13.90
	DFT-s-OFDM QPSK	1	1	13.13	13.23	13.13	14.40
		1	135	13.17	13.36	13.32	14.40
		1	268	13.23	13.25	13.16	14.40
		135	0	12.28	12.21	12.17	13.40
		135	67	13.80	13.34	13.77	14.40



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		135	135	12.25	12.34	12.30	13.40
		270	0	12.27	12.28	12.39	13.40
	DFT-s-OFDM 16QAM	1	1	11.90	11.91	11.85	13.40
	DFT-s-OFDM 64QAM	1	1	10.63	10.58	10.56	11.90
	DFT-s-OFDM 256QAM	1	1	9.12	9.14	9.17	9.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	11.76	11.87	11.73	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	DFT-s-OFDM QPSK	1	1	13.21	13.35	13.13	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	13.23	13.17	13.08	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	13.24	13.20	13.11	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	13.18	13.27	13.29	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	13.12	13.32	13.08	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	13.17	13.29	13.23	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	13.13	13.19	13.08	14.40

N38 DSI 2				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.15	14.23	14.12	15.00
		1	53	14.22	14.19	14.72	15.00
		1	104	14.62	14.46	14.72	15.00
		50	0	13.55	13.84	13.63	14.50



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	DFT-s-OFDM QPSK	1	1	13.56	13.53	13.65	14.50
		1	53	13.65	13.61	13.76	14.50
		1	104	13.78	13.80	13.84	14.50
		50	0	12.50	12.54	12.34	13.50
		50	28	13.76	13.50	13.85	14.50
		50	56	12.37	12.43	12.57	13.50
		100	0	12.50	12.41	12.47	13.50
	DFT-s-OFDM 16QAM	1	1	12.30	12.31	12.51	13.50
	DFT-s-OFDM 64QAM	1	1	10.85	10.92	10.83	12.00
	DFT-s-OFDM 256QAM	1	1	9.47	9.57	9.53	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	12.07	12.19	11.97	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	13.67	13.62	13.56	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	13.69	13.59	13.44	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	13.57	13.54	13.51	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	13.57	13.52	13.67	14.50

N38 DSI 4				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.20	20.16	20.05	21.00
		1	53	20.09	20.15	20.28	21.00
		1	104	20.17	20.07	20.39	21.00
		50	0	19.55	19.52	19.37	20.50
		50	28	19.97	19.92	20.12	21.00
		50	56	19.37	19.44	19.63	20.50
		100	0	19.52	19.50	19.52	20.50
	DFT-s-OFDM QPSK	1	1	20.18	20.04	20.09	21.00
		1	53	20.22	20.17	20.31	21.00
		1	104	20.21	20.24	20.41	21.00



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		50	0	19.04	18.90	18.96	20.00
		50	28	20.31	19.89	20.23	21.00
		50	56	19.00	18.91	18.95	20.00
		100	0	19.01	18.93	19.08	20.00
	DFT-s-OFDM 16QAM	1	1	18.87	18.83	19.01	20.00
	DFT-s-OFDM 64QAM	1	1	17.33	17.47	17.41	18.50
	DFT-s-OFDM 256QAM	1	1	16.01	16.04	16.04	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	18.47	18.65	18.58	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	20.25	20.09	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	20.21	20.02	20.13	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	20.09	19.99	20.01	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	20.06	20.03	20.00	21.00

N38 DSI 5				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.59	14.73	14.67	15.50
		1	53	14.59	14.72	14.75	15.50
		1	104	14.71	14.66	14.85	15.50
		50	0	14.12	14.01	13.93	15.00
		50	28	14.48	14.36	14.47	15.50
		50	56	14.03	13.97	14.13	15.00
		100	0	13.92	14.01	14.02	15.00
	DFT-s-OFDM QPSK	1	1	14.73	14.72	14.62	15.50
		1	53	14.62	14.74	14.73	15.50
		1	104	14.63	14.65	14.83	15.50
		50	0	13.56	13.61	13.39	14.50
		50	28	14.80	14.55	14.88	15.50



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		50	56	13.43	13.42	13.45	14.50
		100	0	13.54	13.59	13.50	14.50
	DFT-s-OFDM 16QAM	1	1	13.43	13.34	13.48	14.50
	DFT-s-OFDM 64QAM	1	1	11.77	11.89	11.87	13.00
	DFT-s-OFDM 256QAM	1	1	10.51	10.52	10.57	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	13.02	13.13	13.12	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	14.67	14.57	14.63	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	14.63	14.59	14.50	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	14.56	14.53	14.57	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	14.52	14.61	14.60	15.50

N41 PC2 DSI 2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.72	14.65	14.51	14.26	14.49	15.50
		1	137	14.61	13.97	14.27	14.51	14.33	15.50
		1	271	14.26	14.50	14.26	14.31	14.49	15.50
		135	0	11.22	11.30	11.08	11.21	11.26	12.00
		135	69	14.52	14.60	14.54	14.49	14.61	15.50
		135	138	11.16	11.18	11.20	11.25	11.25	12.00
		270	0	13.88	14.03	14.02	13.98	14.08	15.00
	DFT-s-OFDM QPSK	1	1	14.61	14.72	14.45	14.37	14.43	15.50
		1	137	14.59	14.04	14.52	14.52	14.46	15.50
		1	271	14.37	14.41	14.42	14.30	14.60	15.50
		135	0	11.08	11.08	11.18	11.19	11.29	12.00
		135	69	14.66	14.58	14.58	14.51	14.60	15.50
		135	138	11.16	11.28	11.18	11.29	11.11	12.00



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		270	0	13.52	13.52	13.38	13.50	13.55	14.50
	DFT-s-OFDM 16QAM	1	1	13.31	13.22	13.13	13.18	13.14	14.50
	DFT-s-OFDM 64QAM	1	1	11.67	11.72	11.88	11.92	11.68	13.00
	DFT-s-OFDM 256QAM	1	1	10.45	10.41	10.52	10.47	10.41	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	12.90	12.87	13.00	13.10	13.00	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	14.58	14.69	14.45	14.36	14.46	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	14.58	14.66	14.45	14.45	14.45	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	14.72	14.71	14.44	14.28	14.38	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	14.73	14.56	14.42	14.43	14.38	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	14.67	14.53	14.51	14.32	14.43	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	14.83	14.49	14.56	14.53	14.55	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	14.62	14.61	14.48	14.35	14.36	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	14.74	14.63	14.36	14.34	14.59	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	



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10MHz	DFT-s-OFDM QPSK	1	1	14.73	14.71	14.32	14.22	14.52	15.50
-------	-----------------	---	---	-------	-------	-------	-------	-------	-------

N41 PC2 DSI 3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.14	14.20	13.93	13.79	13.86	15.00
		1	137	14.12	13.42	13.83	14.07	13.93	15.00
		1	271	13.72	13.97	13.88	13.74	13.95	15.00
		135	0	10.58	10.78	10.54	10.51	10.71	11.50
		135	69	13.99	14.03	13.97	13.86	14.10	15.00
		135	138	10.62	10.68	10.65	10.73	10.83	11.50
		270	0	13.45	13.55	13.42	13.54	13.60	14.50
	DFT-s-OFDM QPSK	1	1	14.18	14.21	13.96	13.89	14.00	15.00
		1	137	14.01	13.50	13.95	13.97	13.99	15.00
		1	271	13.89	13.86	13.98	13.87	13.97	15.00
		135	0	10.62	10.59	10.67	10.62	10.63	11.50
		135	69	14.07	14.00	14.11	13.96	14.09	15.00
		135	138	10.58	10.73	10.68	10.79	10.68	11.50
		270	0	13.01	13.04	12.94	13.09	13.00	14.00
	DFT-s-OFDM 16QAM	1	1	12.80	12.89	12.67	12.79	12.74	14.00
	DFT-s-OFDM 64QAM	1	1	11.30	11.33	11.28	11.36	11.26	12.50
	DFT-s-OFDM 256QAM	1	1	9.97	9.98	9.93	9.81	9.84	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	12.57	12.45	12.48	12.64	12.51	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	14.16	14.18	13.90	13.97	13.99	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	14.18	14.04	14.01	13.87	13.99	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	14.14	14.23	14.00	13.79	13.83	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	



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50MHz	DFT-s-OFDM QPSK	1	1	14.25	14.04	13.91	14.01	13.88	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	14.09	13.96	13.95	13.91	13.93	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	14.22	14.09	13.97	14.03	13.95	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	14.12	14.21	14.04	13.97	13.87	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 509403	Channel 518598	Channel 527799	Channel 537000	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	14.22	14.04	13.86	13.86	14.07	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 499200	Channel 508902	Channel 518598	Channel 528300	Channel 538002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	14.18	14.22	13.77	13.86	13.90	15.00

N41 PC2 DSI 4				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.13	20.11	20.00	19.82	19.96	21.00
		1	137	20.13	19.45	19.76	19.95	19.91	21.00
		1	271	19.90	19.95	19.81	19.85	19.93	21.00
		135	0	16.70	16.73	16.62	16.51	16.78	17.50
		135	69	19.97	20.00	19.95	19.91	20.02	21.00
		135	138	16.69	16.70	16.66	16.65	16.71	17.50
		270	0	19.36	19.45	19.58	19.58	19.51	20.50
	DFT-s-OFDM QPSK	1	1	20.18	20.14	19.99	19.79	19.94	21.00
		1	137	20.00	19.55	20.00	20.07	20.00	21.00
		1	271	19.88	19.97	19.83	19.90	20.12	21.00
		135	0	16.55	16.60	16.58	16.69	16.79	17.50
		135	69	20.14	20.10	20.10	20.05	20.13	21.00
		135	138	16.75	16.75	16.77	16.87	16.67	17.50
		270	0	18.95	19.01	18.94	19.06	19.09	20.00
	DFT-s-OFDM 16QAM	1	1	18.78	18.68	18.70	18.69	18.71	20.00
	DFT-s-OFDM 64QAM	1	1	17.24	17.26	17.23	17.40	17.12	18.50



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	DFT-s-OFDM 256QAM	1	1	15.99	15.96	15.85	15.90	15.85	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	18.38	18.42	18.50	18.58	18.58	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	20.08	20.12	19.96	19.82	19.90	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	20.12	20.10	20.02	19.85	19.86	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	20.22	20.18	20.00	19.83	19.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	20.29	20.05	19.87	19.88	19.94	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	20.14	20.03	20.08	19.89	19.91	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	20.23	20.19	20.06	19.95	20.04	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	20.04	20.24	19.98	19.91	19.83	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	20.22	20.18	19.85	19.83	20.02	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	20.29	20.18	19.84	19.83	19.96	21.00



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N41 PC2 DSI 5				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.20	15.18	15.07	14.88	14.87	16.00
		1	137	15.10	14.48	14.95	14.99	14.97	16.00
		1	271	14.84	14.96	14.90	14.70	14.98	16.00
		135	0	11.63	11.80	11.57	11.58	11.70	12.50
		135	69	14.94	15.01	14.95	14.88	15.00	16.00
		135	138	11.55	11.69	11.76	11.76	11.81	12.50
		270	0	14.41	14.49	14.46	14.58	14.60	15.50
	DFT-s-OFDM QPSK	1	1	15.21	15.05	15.02	14.83	14.89	16.00
		1	137	15.00	14.48	14.95	14.93	14.95	16.00
		1	271	14.93	14.92	14.92	14.83	14.98	16.00
		135	0	11.50	11.63	11.65	11.62	11.63	12.50
		135	69	15.12	15.05	14.94	14.98	15.01	16.00
		135	138	11.69	11.71	11.78	11.77	11.79	12.50
		270	0	14.01	14.13	14.02	14.05	14.03	15.00
	DFT-s-OFDM 16QAM	1	1	13.72	13.78	13.70	13.78	13.69	15.00
	DFT-s-OFDM 64QAM	1	1	12.21	12.29	12.18	12.35	12.16	13.50
	DFT-s-OFDM 256QAM	1	1	11.05	10.87	10.92	10.84	11.00	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	13.47	13.39	13.43	13.67	13.47	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	15.05	15.22	14.99	14.94	14.90	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	15.05	15.13	15.01	14.95	14.82	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	15.23	15.25	15.10	14.95	14.88	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	15.21	15.00	14.80	14.99	14.84	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up



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				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	15.20	15.07	14.99	14.92	14.92	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	15.14	15.20	15.03	14.96	15.05	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	15.16	15.17	15.03	14.95	14.90	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	15.19	15.18	14.88	14.89	15.10	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	15.23	15.11	14.84	14.88	15.01	16.00

N41 PC2 DSI 8/9/10				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.68	13.71	13.55	13.45	13.39	14.50
		1	137	13.64	12.99	13.42	13.56	13.49	14.50
		1	271	13.33	13.43	13.38	13.34	13.48	14.50
		135	0	10.10	10.29	10.04	10.05	10.24	11.00
		135	69	13.45	13.58	13.54	13.44	13.55	14.50
		135	138	10.09	10.19	10.15	10.18	10.30	11.00
		270	0	13.00	12.93	13.03	13.11	12.96	14.00
	DFT-s-OFDM QPSK	1	1	13.71	13.59	13.51	13.49	13.38	14.50
		1	137	13.46	13.08	13.39	13.52	13.47	14.50
		1	271	13.46	13.48	13.40	13.42	13.49	14.50
		135	0	10.07	10.11	10.20	10.27	10.24	11.00
		135	69	13.59	13.52	13.61	13.52	13.63	14.50
		135	138	10.15	10.20	10.20	10.33	10.20	11.00
		270	0	12.51	12.53	12.48	12.57	12.51	13.50
	DFT-s-OFDM 16QAM	1	1	12.32	12.26	12.28	12.28	12.21	13.50
	DFT-s-OFDM 64QAM	1	1	10.69	10.73	10.77	10.89	10.71	12.00
	DFT-s-OFDM 256QAM	1	1	9.49	9.50	9.34	9.45	9.41	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up



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				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	11.96	12.00	11.97	12.09	12.13	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	13.59	13.73	13.54	13.32	13.42	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	13.57	13.56	13.45	13.34	13.42	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	13.71	13.65	13.54	13.32	13.27	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	13.72	13.57	13.38	13.51	13.30	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	13.76	13.52	13.45	13.45	13.46	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	13.80	13.70	13.59	13.52	13.58	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	13.55	13.67	13.46	13.37	13.42	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	13.70	13.67	13.39	13.34	13.45	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	13.82	13.58	13.28	13.21	13.47	14.50



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N41 PC3 DSI 4				Conducted Power(dBm)					
				SCS 30kHz					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.30	19.17	18.94	18.88	18.97	20.00
		1	137	19.08	18.53	18.97	19.10	19.06	20.00
		1	271	18.94	18.89	18.98	18.97	19.08	20.00
		135	0	18.42	18.35	18.49	18.46	18.50	19.50
		135	69	19.02	19.06	19.00	18.98	18.97	20.00
		135	138	18.35	18.41	18.40	18.40	18.54	19.50
		270	0	19.07	19.11	18.95	18.99	18.87	19.50
	DFT-s-OFDM QPSK	1	1	19.18	19.11	18.97	18.93	18.92	20.00
		1	137	18.99	18.55	18.92	19.06	19.00	20.00
		1	271	19.01	18.95	18.80	18.86	19.00	20.00
		135	0	17.18	18.20	18.14	18.18	18.02	19.00
		135	69	19.06	19.11	18.99	19.04	19.07	20.00
		135	138	17.18	18.11	18.21	18.15	18.28	19.00
		270	0	17.17	18.21	18.23	18.26	18.10	19.00
	DFT-s-OFDM 16QAM	1	1	17.92	17.93	17.78	17.76	17.86	19.00
	DFT-s-OFDM 64QAM	1	1	16.33	16.41	16.36	16.24	16.20	17.50
	DFT-s-OFDM 256QAM	1	1	13.97	14.96	14.90	14.92	14.96	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	16.66	17.56	17.58	17.70	17.73	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	19.17	19.09	19.08	18.78	19.08	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	19.25	19.20	18.96	18.97	18.89	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	19.16	19.12	19.06	18.77	18.99	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	19.11	19.22	19.01	18.93	18.98	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up



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				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	19.09	19.09	18.94	18.96	18.85	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	19.17	19.03	19.06	18.95	18.90	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	19.26	19.02	19.06	18.98	19.08	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	19.27	19.09	18.90	18.95	18.94	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	19.23	19.16	19.15	18.91	19.00	20.00

N41 PC3 DSI 2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.66	14.68	14.59	14.44	14.43	15.50
		1	137	14.50	14.10	14.55	14.60	14.46	15.50
		1	271	14.53	14.40	14.48	14.53	14.50	15.50
		135	0	13.94	13.88	13.87	13.96	13.98	15.00
		135	69	14.59	14.56	14.45	14.55	14.47	15.50
		135	138	13.91	13.94	14.03	13.94	14.14	15.00
		270	0	14.46	14.69	14.42	14.53	14.46	15.00
	DFT-s-OFDM QPSK	1	1	14.68	14.65	14.47	14.45	14.37	15.50
		1	137	14.47	14.04	14.43	14.44	14.47	15.50
		1	271	14.51	14.39	14.45	14.41	14.57	15.50
		135	0	12.71	13.78	13.61	13.63	13.56	14.50
		135	69	14.59	14.47	14.52	14.54	14.62	15.50
		135	138	12.76	13.67	13.70	13.64	13.76	14.50
		270	0	12.59	13.71	13.70	13.70	13.62	14.50
	DFT-s-OFDM 16QAM	1	1	13.38	13.27	13.18	13.20	13.38	14.50
	DFT-s-OFDM 64QAM	1	1	11.77	11.84	11.79	11.70	11.77	13.00
	DFT-s-OFDM 256QAM	1	1	9.49	10.51	10.49	10.44	10.49	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up



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				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	12.08	13.04	13.09	13.26	13.21	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	14.75	14.71	14.51	14.32	14.63	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	14.78	14.68	14.59	14.43	14.31	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	14.57	14.61	14.52	14.39	14.46	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	14.62	14.79	14.58	14.36	14.56	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	14.58	14.64	14.52	14.48	14.33	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	14.63	14.45	14.57	14.38	14.43	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	14.72	14.44	14.55	14.46	14.51	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				500202	509403	518598	527799	537000	
15MHz	DFT-s-OFDM QPSK	1	1	14.67	14.67	14.44	14.51	14.49	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				499200	508902	518598	528300	538002	
10MHz	DFT-s-OFDM QPSK	1	1	14.84	14.56	14.53	14.35	14.44	15.50

N41 PC3 DSI 3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz		1	1	14.28	14.14	13.89	13.96	13.96	15.00



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	DFT-s-OFDM PI/2 BPSK	1	137	14.11	13.46	14.03	14.05	14.05	15.00
		1	271	14.02	13.90	13.96	13.90	13.97	15.00
		135	0	13.50	13.30	13.39	13.40	13.47	14.50
		135	69	14.05	14.07	13.97	14.00	14.04	15.00
		135	138	13.38	13.40	13.52	13.35	13.53	14.50
		270	0	13.96	14.17	13.88	13.93	13.99	14.50
	DFT-s-OFDM QPSK	1	1	14.14	14.17	14.02	13.77	13.87	15.00
		1	137	14.05	13.58	13.98	13.90	13.97	15.00
		1	271	13.94	13.98	13.87	13.87	14.13	15.00
		135	0	12.06	13.28	13.17	13.22	13.07	14.00
		135	69	14.02	13.95	13.96	14.08	14.09	15.00
		135	138	12.21	13.12	13.26	13.19	13.30	14.00
	DFT-s-OFDM 16QAM	1	1	12.87	12.81	12.84	12.64	12.83	14.00
		1	1	11.34	11.40	11.20	11.18	11.13	12.50
		1	1	9.02	10.10	9.94	10.06	10.04	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	11.57	12.63	12.60	12.82	12.58	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	14.17	14.10	14.01	13.76	14.05	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	14.18	14.15	14.08	13.99	13.88	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	14.09	14.04	14.12	13.90	13.99	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	14.05	14.19	14.01	13.91	14.02	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	14.13	14.15	14.03	13.93	13.81	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up



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30MHz	DFT-s-OFDM QPSK	1	1	14.13	14.10	14.13	13.89	13.83	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	14.22	14.05	14.02	13.96	14.05	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 509403	Channel 518598	Channel 527799	Channel 537000	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	14.28	14.10	14.00	13.90	13.87	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 499200	Channel 508902	Channel 518598	Channel 528300	Channel 538002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	14.26	14.06	14.10	13.89	13.92	15.00

N41 PC3 DSI 5				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.35	15.19	15.06	14.99	15.08	16.00
		1	137	14.98	14.61	15.02	15.08	14.99	16.00
		1	271	14.94	14.92	14.86	14.90	15.11	16.00
		135	0	14.35	14.34	14.43	14.43	14.52	15.50
		135	69	14.97	15.01	15.10	15.04	15.02	16.00
		135	138	14.45	14.47	14.46	14.34	14.48	15.50
		270	0	15.05	15.25	14.94	15.00	15.00	15.50
	DFT-s-OFDM QPSK	1	1	15.09	15.15	14.90	14.88	14.94	16.00
		1	137	15.05	14.52	14.90	15.03	14.87	16.00
		1	271	14.88	14.85	14.78	14.80	15.08	16.00
		135	0	13.16	14.25	14.12	14.21	14.05	15.00
		135	69	15.06	15.03	15.04	15.11	15.08	16.00
		135	138	13.26	14.13	14.16	14.11	14.21	15.00
		270	0	13.12	14.24	14.13	14.16	14.23	15.00
	DFT-s-OFDM 16QAM	1	1	13.88	13.87	13.85	13.80	13.79	15.00
	DFT-s-OFDM 64QAM	1	1	12.34	12.38	12.32	12.20	12.16	13.50
	DFT-s-OFDM 256QAM	1	1	9.87	10.95	10.84	10.93	10.95	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	12.59	13.47	13.56	13.72	13.75	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	



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90MHz	DFT-s-OFDM QPSK	1	1	15.18	15.16	15.00	14.85	15.00	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	15.24	15.11	15.00	14.93	14.87	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.17	15.10	15.00	14.74	14.94	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.16	15.21	15.04	14.90	15.06	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.07	15.19	14.99	15.00	14.83	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	15.05	14.95	15.01	14.96	14.87	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.18	15.04	14.98	14.96	15.00	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 509403	Channel 518598	Channel 527799	Channel 537000	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.26	15.18	14.87	15.03	14.95	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 499200	Channel 508902	Channel 518598	Channel 528300	Channel 538002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.20	15.13	15.08	14.84	15.00	16.00

N41 PC3 DSI 8/9/10				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.77	13.56	13.53	13.37	13.48	14.50
		1	137	13.58	13.04	13.49	13.67	13.58	14.50
		1	271	13.42	13.45	13.37	13.44	13.60	14.50
		135	0	12.85	12.87	12.98	12.92	13.06	14.00
		135	69	13.51	13.56	13.53	13.49	13.50	14.50
		135	138	12.87	12.85	12.91	12.98	13.01	14.00



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		270	0	13.53	13.70	13.43	13.51	13.40	14.00
	DFT-s-OFDM QPSK	1	1	13.62	13.60	13.44	13.34	13.41	14.50
		1	137	13.47	13.02	13.45	13.60	13.44	14.50
		1	271	13.39	13.38	13.37	13.35	13.57	14.50
		135	0	11.68	12.66	12.71	12.63	12.48	13.50
		135	69	13.57	13.53	13.51	13.51	13.50	14.50
		135	138	11.70	12.75	12.61	12.67	12.81	13.50
		270	0	11.64	12.77	12.63	12.63	12.64	13.50
	DFT-s-OFDM 16QAM	1	1	12.42	12.35	12.32	12.25	12.44	13.50
	DFT-s-OFDM 64QAM	1	1	10.74	11.00	10.81	10.79	10.65	12.00
	DFT-s-OFDM 256QAM	1	1	8.42	9.49	9.45	9.44	9.48	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	11.05	12.02	12.13	12.20	12.11	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	13.71	13.56	13.50	13.34	13.63	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	13.72	13.65	13.61	13.35	13.38	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	13.64	13.60	13.57	13.26	13.48	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	13.60	13.64	13.49	13.50	13.55	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	13.65	13.60	13.41	13.40	13.35	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	13.69	13.52	13.46	13.43	13.33	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	



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20MHz	DFT-s-OFDM QPSK	1	1	13.75	13.54	13.53	13.42	13.56	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 509403	Channel 518598	Channel 527799	Channel 537000	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	13.77	13.61	13.46	13.39	13.54	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 499200	Channel 508902	Channel 518598	Channel 528300	Channel 538002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	13.67	13.66	13.64	13.35	13.49	14.50

N66 DSI 4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.70	20.78	20.78	21.90
		1	108	20.89	20.64	20.63	21.90
		1	214	20.64	20.67	20.72	21.90
		108	0	20.30	20.20	20.20	21.40
		108	54	20.80	20.68	20.61	21.90
		108	108	20.03	20.21	20.24	21.40
		216	0	20.31	20.30	20.26	21.40
	DFT-s-OFDM QPSK	1	1	20.66	20.86	20.71	21.90
		1	108	20.87	20.75	20.73	21.90
		1	214	20.69	20.64	20.77	21.90
		108	0	19.87	19.75	19.62	20.90
		108	54	20.76	20.71	20.84	21.90
		108	108	19.58	19.70	19.68	20.90
		216	0	19.78	19.76	19.70	20.90
	DFT-s-OFDM 16QAM	1	1	19.61	19.57	19.39	20.90
	DFT-s-OFDM 64QAM	1	1	17.95	18.05	17.87	19.40
	DFT-s-OFDM 256QAM	1	1	16.64	16.68	16.72	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	19.41	19.31	19.37	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	20.75	20.69	20.91	21.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	



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25MHz	DFT-s-OFDM QPSK	1	1	20.62	20.76	20.70	21.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	20.61	20.91	20.66	21.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	20.63	20.98	20.72	21.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	20.63	20.87	20.80	21.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	20.77	20.86	20.78	21.90

N66 DSI 2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.74	15.74	15.80	16.90
		1	108	15.88	15.72	15.57	16.90
		1	214	15.73	15.76	15.70	16.90
		108	0	15.39	15.27	15.13	16.40
		108	54	15.85	15.70	15.53	16.90
		108	108	15.00	15.16	15.23	16.40
		216	0	15.33	15.28	15.20	16.40
	DFT-s-OFDM QPSK	1	1	15.70	15.88	15.79	16.90
		1	108	16.03	15.84	15.70	16.90
		1	214	15.61	15.70	15.85	16.90
		108	0	14.80	14.87	14.69	15.90
		108	54	15.85	15.76	15.83	16.90
		108	108	14.55	14.65	14.72	15.90
		216	0	14.76	14.72	14.72	15.90
	DFT-s-OFDM 16QAM	1	1	14.59	14.52	14.38	15.90
DFT-s-OFDM 64QAM	1	1	12.95	12.95	12.87	14.40	
DFT-s-OFDM 256QAM	1	1	11.54	11.66	11.79	12.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	



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40MHz	CP-OFDM QPSK	1	1	14.37	14.24	14.40	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	15.65	15.76	15.90	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	15.55	15.72	15.82	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	15.70	15.84	15.68	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	15.61	15.95	15.68	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	15.74	15.90	15.81	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	15.77	15.74	15.74	16.90

N66 DSI 3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.65	14.89	14.80	15.90
		1	108	14.91	14.71	14.66	15.90
		1	214	14.68	14.70	14.74	15.90
		108	0	14.31	14.18	14.17	15.40
		108	54	14.80	14.74	14.69	15.90
		108	108	14.09	14.11	14.12	15.40
		216	0	14.36	14.25	14.23	15.40
	DFT-s-OFDM QPSK	1	1	14.67	14.86	14.75	15.90
		1	108	14.98	14.82	14.68	15.90
		1	214	14.69	14.59	14.85	15.90
		108	0	13.88	13.81	13.65	14.90
		108	54	14.77	14.65	14.78	15.90
		108	108	13.57	13.67	13.75	14.90
		216	0	13.75	13.79	13.66	14.90



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	DFT-s-OFDM 16QAM	1	1	13.60	13.56	13.48	14.90
	DFT-s-OFDM 64QAM	1	1	12.00	11.91	11.85	13.40
	DFT-s-OFDM 256QAM	1	1	10.62	10.63	10.80	11.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	13.35	13.30	13.41	14.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	14.69	14.79	14.80	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	14.72	14.74	14.72	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	14.67	14.85	14.62	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	14.59	14.96	14.66	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	14.74	14.94	14.86	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	14.66	14.87	14.76	15.90

N66 DSI 5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.15	17.35	17.25	18.40
		1	108	17.32	17.11	17.09	18.40
		1	214	17.20	17.20	17.27	18.40
		108	0	16.83	16.81	16.73	17.90
		108	54	17.32	17.19	17.03	18.40
		108	108	16.57	16.64	16.66	17.90



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		216	0	16.84	16.77	16.77	17.90
	DFT-s-OFDM QPSK	1	1	17.09	17.34	17.29	18.40
		1	108	17.44	17.22	17.20	18.40
		1	214	17.19	17.17	17.21	18.40
		108	0	16.38	16.35	16.14	17.40
		108	54	17.24	17.34	17.23	18.40
		108	108	16.01	16.12	16.26	17.40
		216	0	16.27	16.24	16.14	17.40
	DFT-s-OFDM 16QAM	1	1	16.06	16.00	15.96	17.40
	DFT-s-OFDM 64QAM	1	1	14.43	14.52	14.44	15.90
DFT-s-OFDM 256QAM	1	1	13.08	13.14	13.14	13.90	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	15.95	15.76	15.92	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	17.17	17.22	17.37	18.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	17.11	17.15	17.23	18.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	17.23	17.30	17.10	18.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	17.07	17.48	17.13	18.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	17.21	17.37	17.24	18.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	17.26	17.35	17.35	18.40



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N66 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.05	16.39	16.33	17.40
		1	108	16.32	16.26	16.11	17.40
		1	214	16.25	16.26	16.33	17.40
		108	0	15.81	15.81	15.76	16.90
		108	54	16.23	16.23	16.17	17.40
		108	108	15.57	15.77	15.73	16.90
		216	0	15.74	15.69	15.86	16.90
	DFT-s-OFDM QPSK	1	1	16.07	16.42	16.38	17.40
		1	108	16.45	16.25	16.14	17.40
		1	214	16.12	16.13	16.26	17.40
		108	0	15.33	15.29	15.24	16.40
		108	54	16.30	16.22	16.29	17.40
		108	108	15.10	15.10	15.24	16.40
		216	0	15.29	15.34	15.25	16.40
	DFT-s-OFDM 16QAM	1	1	15.10	14.89	14.98	16.40
	DFT-s-OFDM 64QAM	1	1	13.47	13.45	13.38	14.90
	DFT-s-OFDM 256QAM	1	1	12.09	12.11	12.15	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	14.89	14.82	14.86	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	16.28	16.30	16.34	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	16.07	16.22	16.17	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	16.13	16.34	16.28	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	16.12	16.46	16.20	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	16.24	16.29	16.32	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	16.29	16.35	16.30	17.40

N77 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.96	/	13.50
		1	137	/	13.01	/	13.50
		1	271	/	12.54	/	13.50
		135	0	/	12.65	/	13.00
		135	69	/	13.08	/	13.50
		135	138	/	12.41	/	13.00
		270	0	/	12.50	/	13.00
	DFT-s-OFDM QPSK	1	1	/	12.88	/	13.50
		1	137	/	13.05	/	13.50
		1	271	/	12.56	/	13.50
		135	0	/	12.22	/	12.50
		135	69	/	13.23	/	13.50
		135	138	/	11.98	/	12.50
		270	0	/	11.97	/	12.50
	DFT-s-OFDM 16QAM	1	1	/	11.98	/	12.50
	DFT-s-OFDM 64QAM	1	1	/	10.46	/	11.00
DFT-s-OFDM 256QAM	1	1	/	8.53	/	9.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	11.83	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.88	13.03	12.95	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.90	13.13	13.09	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	



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70MHz	DFT-s-OFDM QPSK	1	1	13.08	13.15	13.14	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	12.93	12.99	13.18	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	13.13	13.15	13.24	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	12.95	13.02	13.21	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	13.09	12.95	12.99	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 630834	Channel 633334	Channel 635833	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	13.01	13.11	13.01	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	12.87	12.99	13.14	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 630501	Channel 633334	Channel 636167	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	13.15	13.18	13.13	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	13.11	12.98	13.13	13.50



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N77 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.05	/	12.50
		1	137	/	12.07	/	12.50
		1	271	/	11.63	/	12.50
		135	0	/	11.66	/	12.00
		135	69	/	12.22	/	12.50
		135	138	/	11.42	/	12.00
		270	0	/	11.49	/	12.00
	DFT-s-OFDM QPSK	1	1	/	11.91	/	12.50
		1	137	/	12.07	/	12.50
		1	271	/	11.67	/	12.50
		135	0	/	11.16	/	11.50
		135	69	/	12.15	/	12.50
		135	138	/	11.00	/	11.50
		270	0	/	11.07	/	11.50
	DFT-s-OFDM 16QAM	1	1	/	10.88	/	11.50
	DFT-s-OFDM 64QAM	1	1	/	9.54	/	10.00
	DFT-s-OFDM 256QAM	1	1	/	7.55	/	8.00
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
/					633334	/	
100MHz	CP-OFDM QPSK	1	1	/	10.86	/	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.84	11.83	11.96	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.90	12.12	12.07	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.00	12.17	12.12	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.99	12.10	12.17	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.05	12.14	12.24	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.97	12.11	12.23	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.08	12.04	12.05	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	11.97	12.10	12.16	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.87	12.04	12.20	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	12.13	12.18	12.18	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	12.13	12.00	12.13	12.50

N77 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.86	/	20.50
		1	137	/	20.09	/	20.50
		1	271	/	19.59	/	20.50
		135	0	/	19.64	/	20.00
		135	69	/	20.11	/	20.50
		135	138	/	19.50	/	20.00
		270	0	/	19.51	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.90	/	20.50
		1	137	/	20.16	/	20.50
		1	271	/	19.73	/	20.50
		135	0	/	19.09	/	19.50
		135	69	/	20.05	/	20.50
		135	138	/	18.90	/	19.50
		270	0	/	18.89	/	19.50



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	DFT-s-OFDM 16QAM	1	1	/	18.98	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	17.54	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	15.53	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	18.92	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	19.94	19.83	19.96	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.84	20.07	20.09	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	20.05	20.14	20.16	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	19.90	20.13	20.22	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	20.04	20.23	20.16	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.98	20.18	20.15	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	20.07	19.97	19.99	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	19.96	19.97	20.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	



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20MHz	DFT-s-OFDM QPSK	1	1	19.91	19.97	20.24	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	20.09	20.09	20.21	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	20.08	20.17	20.12	20.50



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N77 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.52	/	17.00
		1	137	/	16.51	/	17.00
		1	271	/	16.02	/	17.00
		135	0	/	16.18	/	16.50
		135	69	/	16.68	/	17.00
		135	138	/	15.96	/	16.50
		270	0	/	15.97	/	16.50
	DFT-s-OFDM QPSK	1	1	/	16.36	/	17.00
		1	137	/	16.51	/	17.00
		1	271	/	16.16	/	17.00
		135	0	/	15.63	/	16.00
		135	69	/	16.74	/	17.00
		135	138	/	15.49	/	16.00
		270	0	/	15.53	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	15.38	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	13.90	/	14.50
	DFT-s-OFDM 256QAM	1	1	/	12.04	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	15.40	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.34	16.39	16.38	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.34	16.59	16.69	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	16.51	16.61	16.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.38	16.44	16.56	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	16.48	16.63	16.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.45	16.65	16.75	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	16.51	16.53	16.47	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	16.41	16.57	16.67	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	16.46	16.55	16.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	16.58	16.70	16.60	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	16.57	16.65	16.58	17.00

N77 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.03	/	15.50
		1	137	/	14.96	/	15.50
		1	271	/	14.59	/	15.50
		135	0	/	14.76	/	15.00
		135	69	/	15.20	/	15.50
		135	138	/	14.39	/	15.00
		270	0	/	14.48	/	15.00
	DFT-s-OFDM QPSK	1	1	/	14.88	/	15.50
		1	137	/	14.99	/	15.50
		1	271	/	14.65	/	15.50
		135	0	/	14.12	/	14.50
		135	69	/	15.20	/	15.50
		135	138	/	13.99	/	14.50
		270	0	/	14.03	/	14.50



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	DFT-s-OFDM 16QAM	1	1	/	14.04	/	14.50
	DFT-s-OFDM 64QAM	1	1	/	12.54	/	13.00
	DFT-s-OFDM 256QAM	1	1	/	10.51	/	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	13.91	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.02	14.89	15.02	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.91	15.13	15.11	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	15.09	15.12	15.24	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.90	15.05	15.12	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.02	15.14	15.24	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	14.98	15.04	15.14	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	14.98	15.06	15.09	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	14.97	15.14	15.16	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	



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20MHz	DFT-s-OFDM QPSK	1	1	14.87	15.03	15.21	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 630501	Channel 633334	Channel 636167	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.04	15.06	15.19	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.10	15.18	15.04	15.50

N77 DSI 2					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	12.35	12.47	12.17	12.26	12.14	12.09	13.50
		1	137	12.31	12.30	12.36	12.19	12.18	12.01	13.50
		1	271	12.03	12.13	12.14	12.00	11.92	11.98	13.50
		135	0	11.70	11.55	11.59	11.57	11.44	11.57	13.00
		135	69	12.58	12.51	12.38	12.34	12.27	12.10	13.50
		135	138	11.66	11.56	11.72	11.40	11.37	11.37	13.00
		270	0	11.61	11.63	11.57	11.59	11.32	11.36	13.00
	DFT-s-OFDM QPSK	1	1	12.49	12.21	12.37	12.22	12.17	12.10	13.50
		1	137	12.44	12.38	12.23	12.33	12.19	12.03	13.50
		1	271	12.25	12.05	11.96	12.03	11.97	11.99	13.50
		135	0	11.05	11.02	11.19	11.31	11.02	10.97	12.50
		135	69	12.42	12.43	12.42	12.24	12.25	12.10	13.50
		135	138	11.27	11.07	11.05	11.07	11.00	11.06	12.50
		270	0	11.16	11.09	11.06	11.27	10.80	10.94	12.50
	DFT-s-OFDM 16QAM	1	1	11.07	10.98	10.86	10.97	10.81	11.12	12.50
	DFT-s-OFDM 64QAM	1	1	9.55	9.60	9.44	9.55	9.47	9.45	11.00
	DFT-s-OFDM 256QAM	1	1	8.23	8.05	7.96	8.09	8.11	8.18	9.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	10.83	10.79	10.69	10.71	10.79	10.82	12.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	12.36	12.35	12.33	12.14	12.15	12.06	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up



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80MHz	DFT-s-OFDM QPSK	1	1	12.45	12.30	12.37	12.28	12.22	12.14	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 649001	Channel 651800	Channel 654601	Channel 657401	Channel 660200	Channel 662999	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	12.33	12.28	12.38	12.29	12.14	12.10	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	12.51	12.41	12.19	12.31	12.20	12.03	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	12.41	12.16	12.31	12.16	12.28	12.02	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	12.37	12.33	12.40	12.11	12.14	12.14	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 647666	Channel 651000	Channel 654332	Channel 657666	Channel 661000	Channel 664334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	12.46	12.17	12.43	12.24	12.33	11.95	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 647499	Channel 650900	Channel 654298	Channel 657699	Channel 661100	Channel 664501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	12.51	12.33	12.31	12.36	12.08	12.07	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 647332	Channel 650800	Channel 654264	Channel 657732	Channel 661200	Channel 664668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	12.39	12.41	12.32	12.38	12.21	11.94	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 647165	Channel 650700	Channel 654230	Channel 657765	Channel 661300	Channel 664835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	12.48	12.36	12.43	12.32	12.25	11.96	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 646998	Channel 650600	Channel 654196	Channel 657798	Channel 661400	Channel 665002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	12.39	12.37	12.24	12.16	12.11	12.09	13.50



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		RB size	RB offset	648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	11.47	11.26	11.29	11.32	11.22	10.91	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	11.40	11.32	11.37	11.14	11.11	11.03	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 647666	Channel 651000	Channel 654332	Channel 657666	Channel 661000	Channel 664334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	11.39	11.26	11.34	11.27	11.16	10.94	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 647499	Channel 650900	Channel 654298	Channel 657699	Channel 661100	Channel 664501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	11.50	11.37	11.39	11.29	11.15	10.97	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 647332	Channel 650800	Channel 654264	Channel 657732	Channel 661200	Channel 664668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	11.45	11.33	11.44	11.31	11.11	10.89	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 647165	Channel 650700	Channel 654230	Channel 657765	Channel 661300	Channel 664835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	11.48	11.36	11.40	11.30	11.25	11.06	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 646998	Channel 650600	Channel 654196	Channel 657798	Channel 661400	Channel 665002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	11.32	11.32	11.31	11.22	11.23	11.08	12.50

N77 DSI 4					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.35	19.30	19.21	19.26	19.31	19.19	20.50
		1	137	19.38	19.42	19.19	19.31	19.14	18.91	20.50
		1	271	19.09	19.00	19.20	18.93	18.86	19.04	20.50
		135	0	18.56	18.56	18.60	18.48	18.38	18.45	20.00
		135	69	19.48	19.46	19.42	19.37	19.27	19.18	20.50
		135	138	18.59	18.56	18.60	18.52	18.42	18.36	20.00
		270	0	18.70	18.60	18.54	18.57	18.43	18.36	20.00
	DFT-s-OFDM QPSK	1	1	19.42	19.26	19.33	19.30	19.12	19.08	20.50
		1	137	19.45	19.28	19.28	19.24	19.21	19.11	20.50
		1	271	19.12	19.11	19.08	19.09	18.92	19.03	20.50
		135	0	18.06	18.03	18.15	18.34	18.07	18.00	19.50
		135	69	19.54	19.44	19.39	19.34	19.21	19.13	20.50
		135	138	18.36	18.16	18.05	18.13	18.00	18.16	19.50



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		270	0	18.22	18.13	18.10	18.22	17.86	17.92	19.50
	DFT-s-OFDM 16QAM	1	1	17.93	17.89	17.99	17.89	17.79	18.00	19.50
	DFT-s-OFDM 64QAM	1	1	16.56	16.64	16.48	16.50	16.48	16.56	18.00
	DFT-s-OFDM 256QAM	1	1	15.13	15.04	15.02	15.09	15.06	15.23	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	17.92	17.86	17.66	17.71	17.85	17.91	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	19.32	19.34	19.26	19.28	19.20	19.02	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	19.43	19.21	19.26	19.37	19.24	19.19	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	19.37	19.30	19.29	19.13	19.12	19.00	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	19.50	19.36	19.14	19.28	19.23	19.03	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	19.42	19.31	19.34	19.20	19.20	18.98	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	19.45	19.37	19.36	19.12	19.25	19.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	19.46	19.21	19.41	19.26	19.29	18.97	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	19.39	19.26	19.40	19.32	19.17	18.95	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	



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20MHz	DFT-s-OFDM QPSK	1	1	19.45	19.50	19.35	19.32	19.13	18.92	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 647165	Channel 650700	Channel 654230	Channel 657765	Channel 661300	Channel 664835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	19.53	19.29	19.48	19.23	19.31	19.01	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 646998	Channel 650600	Channel 654196	Channel 657798	Channel 661400	Channel 665002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	19.36	19.22	19.41	19.23	19.23	19.00	20.50

N77DSI 5					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.80	15.89	15.65	15.86	15.72	15.52	17.00
		1	137	15.72	15.86	15.74	15.77	15.80	15.43	17.00
		1	271	15.69	15.50	15.62	15.42	15.36	15.40	17.00
		135	0	15.20	15.15	15.14	15.04	14.89	14.97	16.50
		135	69	16.05	16.09	15.97	15.78	15.75	15.68	17.00
		135	138	15.15	15.05	15.23	14.85	14.98	14.98	16.50
		270	0	15.21	15.04	15.08	15.07	14.90	15.00	16.50
	DFT-s-OFDM QPSK	1	1	15.89	15.87	15.77	15.65	15.65	15.47	17.00
		1	137	15.79	15.81	15.86	15.86	15.66	15.49	17.00
		1	271	15.71	15.55	15.57	15.63	15.35	15.53	17.00
		135	0	14.62	14.50	14.62	14.80	14.39	14.55	16.00
		135	69	16.00	15.99	15.88	15.90	15.67	15.64	17.00
		135	138	14.75	14.64	14.60	14.60	14.47	14.58	16.00
		270	0	14.71	14.63	14.60	14.69	14.39	14.38	16.00
	DFT-s-OFDM 16QAM	1	1	14.42	14.45	14.46	14.46	14.40	14.56	16.00
	DFT-s-OFDM 64QAM	1	1	12.98	13.08	12.92	13.10	12.96	12.98	14.50
	DFT-s-OFDM 256QAM	1	1	11.59	11.58	11.53	11.62	11.55	11.69	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	



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80MHz	DFT-s-OFDM QPSK	1	1	15.87	15.72	15.79	15.73	15.77	15.60	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 649001	Channel 651800	Channel 654601	Channel 657401	Channel 660200	Channel 662999	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	15.72	15.79	15.67	15.77	15.68	15.42	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	16.04	15.89	15.77	15.88	15.69	15.63	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.94	15.72	15.96	15.67	15.72	15.61	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.85	15.76	15.86	15.72	15.58	15.59	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647666	Channel 651000	Channel 654332	Channel 657666	Channel 661000	Channel 664334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.02	15.78	15.89	15.76	15.73	15.48	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647499	Channel 650900	Channel 654298	Channel 657699	Channel 661100	Channel 664501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.03	15.87	15.87	15.89	15.69	15.51	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647332	Channel 650800	Channel 654264	Channel 657732	Channel 661200	Channel 664668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.98	15.94	15.83	15.87	15.63	15.50	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647165	Channel 650700	Channel 654230	Channel 657765	Channel 661300	Channel 664835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.97	15.77	15.91	15.66	15.68	15.53	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 646998	Channel 650600	Channel 654196	Channel 657798	Channel 661400	Channel 665002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.88	15.83	15.72	15.71	15.63	15.59	17.00

N77 DSI 8/9/10					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz		1	1	14.30	14.32	14.21	14.27	14.34	14.17	15.50



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	DFT-s-OFDM PI/2 BPSK	1	137	14.29	14.39	14.22	14.14	14.20	14.00	15.50
		1	271	14.10	14.03	14.19	13.98	13.84	13.94	15.50
		135	0	13.66	13.53	13.64	13.48	13.43	13.59	15.00
		135	69	14.55	14.45	14.48	14.34	14.23	14.18	15.50
		135	138	13.52	13.52	13.67	13.52	13.42	13.50	15.00
		270	0	13.59	13.69	13.56	13.50	13.31	13.41	15.00
	DFT-s-OFDM QPSK	1	1	14.33	14.27	14.43	14.20	14.24	14.00	15.50
		1	137	14.47	14.37	14.35	14.29	14.18	14.11	15.50
		1	271	14.13	14.03	14.01	14.06	13.87	13.92	15.50
		135	0	13.12	12.99	13.16	13.29	12.99	12.96	14.50
		135	69	14.47	14.48	14.41	14.30	14.29	14.09	15.50
		135	138	13.33	13.19	13.15	13.13	13.01	13.14	14.50
		270	0	13.16	13.16	13.13	13.21	12.91	12.93	14.50
	DFT-s-OFDM 16QAM	1	1	12.97	13.04	12.90	12.87	12.86	12.94	14.50
	DFT-s-OFDM 64QAM	1	1	11.51	11.56	11.37	11.54	11.42	11.44	13.00
	DFT-s-OFDM 256QAM	1	1	10.09	10.10	9.91	10.12	10.09	10.20	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	12.88	12.80	12.68	12.79	12.84	12.85	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	14.46	14.30	14.29	14.24	14.19	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	14.51	14.19	14.27	14.31	14.27	14.18	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	14.33	14.30	14.28	14.20	14.10	14.00	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	14.38	14.37	14.17	14.32	14.11	14.06	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	14.42	14.20	14.36	14.24	14.17	14.01	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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40MHz	DFT-s-OFDM QPSK	1	1	14.37	14.31	14.40	14.14	14.22	14.04	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	14.40	14.27	14.39	14.27	14.27	13.98	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	14.47	14.31	14.26	14.26	14.25	14.01	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	14.33	14.43	14.30	14.33	14.19	13.90	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	14.51	14.23	14.42	14.22	14.20	14.11	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	14.34	14.30	14.31	14.22	14.12	14.06	15.50



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N78 PC2 DSI 2/8/910				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.72	/	14.50
		1	137	/	13.76	/	14.50
		1	271	/	13.72	/	14.50
		135	0	/	10.47	/	11.00
		135	69	/	14.06	/	14.50
		135	138	/	10.32	/	11.00
		270	0	/	13.48	/	14.00
	DFT-s-OFDM QPSK	1	1	/	13.75	/	14.50
		1	137	/	13.81	/	14.50
		1	271	/	13.63	/	14.50
		135	0	/	10.49	/	11.00
		135	69	/	13.87	/	14.50
		135	138	/	10.35	/	11.00
		270	0	/	12.89	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.73	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	11.25	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.41	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.40	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.69	13.71	13.77	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.72	13.73	13.70	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.70	13.60	13.73	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.73	13.70	13.84	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.74	13.72	13.76	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.58	13.69	13.84	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.71	13.63	13.89	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.57	13.64	13.90	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.67	13.62	13.83	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	13.64	13.63	13.82	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	13.80	13.64	13.64	14.50

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.27	/	13.00
		1	137	/	12.32	/	13.00
		1	271	/	12.22	/	13.00
		135	0	/	8.92	/	9.50
		135	69	/	12.54	/	13.00
		135	138	/	8.80	/	9.50
		270	0	/	11.99	/	12.50
	DFT-s-OFDM QPSK	1	1	/	12.16	/	13.00
		1	137	/	12.21	/	13.00
		1	271	/	12.17	/	13.00
		135	0	/	9.03	/	9.50
		135	69	/	12.39	/	13.00
		135	138	/	8.98	/	9.50
		270	0	/	11.39	/	12.00



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	DFT-s-OFDM 16QAM	1	1	/	11.27	/	12.00
	DFT-s-OFDM 64QAM	1	1	/	9.87	/	10.50
	DFT-s-OFDM 256QAM	1	1	/	7.88	/	8.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	10.90	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.26	12.15	12.34	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.30	12.23	12.32	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.22	12.16	12.34	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.21	12.14	12.30	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.22	12.21	12.16	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.24	12.11	12.25	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.18	12.25	12.33	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.18	12.16	12.42	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.26	12.03	12.32	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	



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15MHz	DFT-s-OFDM QPSK	1	1	12.11	12.26	12.21	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	12.29	12.11	12.24	13.00

N78 PC2 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.72	/	20.50
		1	137	/	19.79	/	20.50
		1	271	/	19.79	/	20.50
		135	0	/	16.45	/	17.00
		135	69	/	19.97	/	20.50
		135	138	/	16.31	/	17.00
		270	0	/	19.54	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.68	/	20.50
		1	137	/	19.72	/	20.50
		1	271	/	19.61	/	20.50
		135	0	/	16.45	/	17.00
		135	69	/	19.92	/	20.50
		135	138	/	16.33	/	17.00
		270	0	/	18.92	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.70	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	17.31	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	15.44	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	18.53	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	19.77	19.70	19.81	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.83	19.74	19.72	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	



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70MHz	DFT-s-OFDM QPSK	1	1	19.64	19.60	19.74	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	19.74	19.76	19.86	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	19.79	19.76	19.66	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.62	19.53	19.83	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	19.58	19.65	19.86	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	19.66	19.76	19.92	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	19.70	19.58	19.91	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	19.66	19.73	19.82	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	19.85	19.69	19.72	20.50

N78 PC2 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.75	/	16.50
		1	137	/	15.69	/	16.50
		1	271	/	15.69	/	16.50
		135	0	/	12.34	/	13.00
		135	69	/	15.98	/	16.50
		135	138	/	12.31	/	13.00
		270	0	/	15.39	/	16.00
			1	1	/	15.76	/



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	DFT-s-OFDM QPSK	1	137	/	15.66	/	16.50
		1	271	/	15.70	/	16.50
		135	0	/	12.39	/	13.00
		135	69	/	16.03	/	16.50
		135	138	/	12.44	/	13.00
		270	0	/	15.03	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.71	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	13.34	/	14.00
	DFT-s-OFDM 256QAM	1	1	/	11.47	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.44	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.62	15.67	15.80	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.80	15.76	15.78	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	15.72	15.73	15.69	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.69	15.73	15.86	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.72	15.75	15.72	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.68	15.52	15.87	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.63	15.77	15.83	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.67	15.73	15.78	16.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.82	15.52	15.81	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	15.56	15.75	15.69	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	15.81	15.69	15.73	16.50

N78 PC2 DSI 2/8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.19	/	14.50
		1	137	/	13.11	/	14.50
		1	271	/	13.21	/	14.50
		135	0	/	9.50	/	11.00
		135	69	/	13.40	/	14.50
		135	138	/	9.56	/	11.00
		270	0	/	13.07	/	14.00
	DFT-s-OFDM QPSK	1	1	/	13.27	/	14.50
		1	137	/	13.14	/	14.50
		1	271	/	13.05	/	14.50
		135	0	/	9.69	/	11.00
		135	69	/	13.39	/	14.50
		135	138	/	9.51	/	11.00
		270	0	/	12.61	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.15	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	10.37	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.04	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	11.88	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.22	13.31	13.17	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	



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80MHz	DFT-s-OFDM QPSK	1	1	13.09	13.28	13.14	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.24	13.29	13.20	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.26	13.26	13.26	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.17	13.29	13.26	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.17	13.31	13.11	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.19	13.22	13.22	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.18	13.22	13.16	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.13	13.22	12.95	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	13.21	13.22	13.15	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	13.22	13.32	12.91	14.50

N78 PC2 DSI 3				SCS 30kHz(3700~3800)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.62	/	13.00
		1	137	/	11.70	/	13.00
		1	271	/	11.80	/	13.00
		135	0	/	8.14	/	9.50
		135	69	/	11.72	/	13.00
		135	138	/	7.98	/	9.50



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		270	0	/	11.49	/	12.50
	DFT-s-OFDM QPSK	1	1	/	11.77	/	13.00
		1	137	/	11.65	/	13.00
		1	271	/	11.60	/	13.00
		135	0	/	8.12	/	9.50
		135	69	/	11.88	/	13.00
		135	138	/	7.99	/	9.50
		270	0	/	11.18	/	12.00
	DFT-s-OFDM 16QAM	1	1	/	10.56	/	12.00
	DFT-s-OFDM 64QAM	1	1	/	8.73	/	10.50
	DFT-s-OFDM 256QAM	1	1	/	7.56	/	8.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	10.37	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	11.77	11.78	11.57	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	11.65	11.66	11.43	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	11.74	11.81	11.70	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	11.85	11.70	11.71	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	11.69	11.69	11.79	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	11.68	11.79	11.69	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	11.78	11.80	11.57	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	



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25MHz	DFT-s-OFDM QPSK	1	1	11.78	11.71	11.64	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	11.70	11.76	11.40	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	11.77	11.74	11.56	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	11.82	11.86	11.54	13.00

N78 PC2 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.24	/	20.50
		1	137	/	19.10	/	20.50
		1	271	/	19.29	/	20.50
		135	0	/	15.62	/	17.00
		135	69	/	19.27	/	20.50
		135	138	/	15.65	/	17.00
		270	0	/	19.06	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.18	/	20.50
		1	137	/	19.11	/	20.50
		1	271	/	19.21	/	20.50
		135	0	/	15.62	/	17.00
		135	69	/	19.30	/	20.50
		135	138	/	15.55	/	17.00
		270	0	/	18.65	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.01	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	16.27	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	14.99	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	17.88	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	19.29	19.23	19.08	20.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	19.20	19.23	19.07	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	19.35	19.29	19.15	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	19.31	19.32	19.19	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	19.21	19.33	19.18	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	19.21	19.30	19.14	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	19.28	19.32	19.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	19.18	19.14	19.24	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	19.14	19.19	19.05	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	19.11	19.20	19.10	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	19.28	19.21	19.02	20.50



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N78 PC2 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.17	/	16.50
		1	137	/	15.09	/	16.50
		1	271	/	15.12	/	16.50
		135	0	/	11.58	/	13.00
		135	69	/	15.38	/	16.50
		135	138	/	11.50	/	13.00
		270	0	/	15.05	/	16.00
	DFT-s-OFDM QPSK	1	1	/	15.09	/	16.50
		1	137	/	15.29	/	16.50
		1	271	/	15.03	/	16.50
		135	0	/	11.67	/	13.00
		135	69	/	15.33	/	16.50
		135	138	/	11.46	/	13.00
		270	0	/	14.64	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.10	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	12.29	/	14.00
	DFT-s-OFDM 256QAM	1	1	/	11.02	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	13.96	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	15.23	15.16	15.16	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.20	15.24	15.02	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.33	15.38	15.13	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.40	15.33	15.22	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	



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50MHz	DFT-s-OFDM QPSK	1	1	15.19	15.33	15.25	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.26	15.37	15.14	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	15.18	15.18	15.12	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.12	15.13	15.18	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	15.15	15.31	15.01	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	15.11	15.27	15.10	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	15.18	15.40	14.96	16.50



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N78 PC3 DSI 2/8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.14	/	14.50
		1	137	/	13.49	/	14.50
		1	271	/	13.33	/	14.50
		135	0	/	13.57	/	14.00
		135	69	/	13.79	/	14.50
		135	138	/	13.05	/	14.00
		270	0	/	13.26	/	14.00
	DFT-s-OFDM QPSK	1	1	/	14.09	/	14.50
		1	137	/	13.50	/	14.50
		1	271	/	13.47	/	14.50
		135	0	/	13.05	/	13.50
		135	69	/	13.72	/	14.50
		135	138	/	12.41	/	13.50
		270	0	/	12.76	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.95	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	11.49	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.88	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.81	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.23	14.15	14.18	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.20	14.08	14.24	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	14.27	14.26	14.31	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.26	14.22	14.15	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	



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50MHz	DFT-s-OFDM QPSK	1	1	14.07	14.06	14.10	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	14.27	14.16	14.05	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	14.09	14.02	14.28	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	14.21	14.24	14.13	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.22	14.09	14.27	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	14.08	14.16	14.11	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	14.07	14.32	14.17	14.50



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N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.65	/	13.00
		1	137	/	11.99	/	13.00
		1	271	/	11.90	/	13.00
		135	0	/	12.04	/	12.50
		135	69	/	12.17	/	13.00
		135	138	/	11.43	/	12.50
		270	0	/	11.76	/	12.50
	DFT-s-OFDM QPSK	1	1	/	12.59	/	13.00
		1	137	/	12.05	/	13.00
		1	271	/	11.95	/	13.00
		135	0	/	11.56	/	12.00
		135	69	/	12.13	/	13.00
		135	138	/	10.90	/	12.00
		270	0	/	11.24	/	12.00
	DFT-s-OFDM 16QAM	1	1	/	11.37	/	12.00
	DFT-s-OFDM 64QAM	1	1	/	9.99	/	10.50
	DFT-s-OFDM 256QAM	1	1	/	8.44	/	8.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	11.13	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.73	12.65	12.64	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.64	12.56	12.81	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.71	12.77	12.69	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.74	12.65	12.79	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.70	12.60	12.61	13.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.77	12.65	12.63	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.57	12.56	12.71	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.74	12.84	12.55	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.71	12.53	12.69	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	12.74	12.78	12.60	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	12.68	12.77	12.62	13.00



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N78 PC3 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.16	/	20.50
		1	137	/	19.43	/	20.50
		1	271	/	19.38	/	20.50
		135	0	/	19.49	/	20.00
		135	69	/	19.72	/	20.50
		135	138	/	19.00	/	20.00
		270	0	/	19.30	/	20.00
	DFT-s-OFDM QPSK	1	1	/	20.13	/	20.50
		1	137	/	19.63	/	20.50
		1	271	/	19.33	/	20.50
		135	0	/	19.01	/	19.50
		135	69	/	19.81	/	20.50
		135	138	/	18.46	/	19.50
		270	0	/	18.71	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.97	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	17.45	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	15.87	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	18.69	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	20.22	20.21	20.16	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	20.23	20.10	20.26	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	20.29	20.29	20.32	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	20.23	20.12	20.30	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	



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50MHz	DFT-s-OFDM QPSK	1	1	20.09	20.11	20.23	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	20.23	20.24	20.09	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	20.07	20.05	20.20	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 630834	Channel 633334	Channel 635833	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	20.17	20.35	20.11	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	20.17	20.12	20.22	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 630501	Channel 633334	Channel 636167	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	20.17	20.35	20.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	20.12	20.22	20.07	20.50



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N78 PC3 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.10	/	16.50
		1	137	/	15.57	/	16.50
		1	271	/	15.43	/	16.50
		135	0	/	15.58	/	16.00
		135	69	/	15.79	/	16.50
		135	138	/	14.92	/	16.00
		270	0	/	15.24	/	16.00
	DFT-s-OFDM QPSK	1	1	/	16.13	/	16.50
		1	137	/	15.58	/	16.50
		1	271	/	15.42	/	16.50
		135	0	/	14.97	/	15.50
		135	69	/	15.71	/	16.50
		135	138	/	14.42	/	15.50
		270	0	/	14.78	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.89	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	13.49	/	14.00
	DFT-s-OFDM 256QAM	1	1	/	11.98	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.71	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.26	16.14	16.11	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.23	16.18	16.34	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	16.31	16.19	16.28	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.24	16.11	16.23	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	



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50MHz	DFT-s-OFDM QPSK	1	1	16.13	16.09	16.25	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	16.17	16.21	16.08	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.13	16.09	16.19	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 630834	Channel 633334	Channel 635833	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.16	16.36	16.14	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.21	16.08	16.13	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 630501	Channel 633334	Channel 636167	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.18	16.25	15.98	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.13	16.20	16.13	16.50



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N78 PC3 DSI 2/8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.65	/	14.50
		1	137	/	13.66	/	14.50
		1	271	/	13.97	/	14.50
		135	0	/	13.43	/	14.00
		135	69	/	13.89	/	14.50
		135	138	/	13.30	/	14.00
		270	0	/	13.26	/	14.00
	DFT-s-OFDM QPSK	1	1	/	13.50	/	14.50
		1	137	/	13.74	/	14.50
		1	271	/	13.82	/	14.50
		135	0	/	12.87	/	13.50
		135	69	/	13.85	/	14.50
		135	138	/	12.84	/	13.50
		270	0	/	12.75	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.34	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	10.85	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.47	/	10.00
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
/					650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.01	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.42	13.45	13.52	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.51	13.45	13.63	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.37	13.51	13.69	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.59	13.34	13.50	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	



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50MHz	DFT-s-OFDM QPSK	1	1	13.48	13.55	13.61	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	13.50	13.48	13.54	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	13.51	13.49	13.48	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 647501	Channel 650000	Channel 652501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	13.46	13.52	13.51	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	13.46	13.37	13.55	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 647167	Channel 650000	Channel 652835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	13.53	13.52	13.67	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	13.45	13.58	13.47	14.50



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N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.96	/	13.00
		1	137	/	12.13	/	13.00
		1	271	/	12.41	/	13.00
		135	0	/	11.85	/	12.50
		135	69	/	12.38	/	13.00
		135	138	/	11.85	/	12.50
		270	0	/	11.76	/	12.50
	DFT-s-OFDM QPSK	1	1	/	11.99	/	13.00
		1	137	/	12.15	/	13.00
		1	271	/	12.41	/	13.00
		135	0	/	11.30	/	12.00
		135	69	/	12.31	/	13.00
		135	138	/	11.22	/	12.00
		270	0	/	11.20	/	12.00
	DFT-s-OFDM 16QAM	1	1	/	10.80	/	12.00
	DFT-s-OFDM 64QAM	1	1	/	9.34	/	10.50
	DFT-s-OFDM 256QAM	1	1	/	8.05	/	8.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	10.63	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	11.97	11.98	12.07	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	11.91	11.96	12.01	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	11.84	12.11	12.09	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	12.16	11.89	12.04	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	



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50MHz	DFT-s-OFDM QPSK	1	1	11.91	11.96	12.07	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	11.94	11.90	12.02	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	12.08	11.90	11.88	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	12.09	11.91	11.99	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	11.97	11.99	12.01	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	11.90	11.96	12.11	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	11.91	12.10	12.12	13.00



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N78 PC3 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.41	/	20.50
		1	137	/	19.63	/	20.50
		1	271	/	20.00	/	20.50
		135	0	/	19.38	/	20.00
		135	69	/	19.79	/	20.50
		135	138	/	19.36	/	20.00
		270	0	/	19.24	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.48	/	20.50
		1	137	/	19.65	/	20.50
		1	271	/	19.89	/	20.50
		135	0	/	18.68	/	19.50
		135	69	/	19.86	/	20.50
		135	138	/	18.88	/	19.50
		270	0	/	18.71	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.25	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	16.79	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	15.40	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	18.02	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	19.48	19.47	19.60	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	19.44	19.37	19.62	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	19.44	19.60	19.52	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	19.45	19.43	19.60	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	



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50MHz	DFT-s-OFDM QPSK	1	1	19.53	19.58	19.60	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	19.39	19.46	19.59	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	19.60	19.47	19.54	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	19.51	19.42	19.43	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	19.53	19.46	19.44	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	19.32	19.45	19.70	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	19.37	19.63	19.55	20.50



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N78 PC3 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.49	/	16.50
		1	137	/	15.67	/	16.50
		1	271	/	15.98	/	16.50
		135	0	/	15.32	/	16.00
		135	69	/	15.80	/	16.50
		135	138	/	15.38	/	16.00
		270	0	/	15.25	/	16.00
	DFT-s-OFDM QPSK	1	1	/	15.52	/	16.50
		1	137	/	15.80	/	16.50
		1	271	/	15.73	/	16.50
		135	0	/	14.79	/	15.50
		135	69	/	15.89	/	16.50
		135	138	/	14.81	/	15.50
		270	0	/	14.72	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.33	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	12.85	/	14.00
	DFT-s-OFDM 256QAM	1	1	/	11.49	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.10	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	15.45	15.38	15.55	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.40	15.39	15.65	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.38	15.56	15.65	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.55	15.48	15.60	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	



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50MHz	DFT-s-OFDM QPSK	1	1	15.49	15.56	15.65	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.46	15.53	15.55	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	15.43	15.50	15.40	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	15.52	15.55	15.43	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	15.57	15.44	15.50	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	15.35	15.47	15.71	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	15.38	15.51	15.55	16.50



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8.2 Conducted Power of NR NSA Antenna (Ant12)

N77 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.74	/	13.20
		1	137	/	12.71	/	13.20
		1	271	/	12.66	/	13.20
		135	0	/	12.34	/	12.70
		135	69	/	13.00	/	13.20
		135	138	/	12.49	/	12.70
		270	0	/	12.43	/	12.70
	DFT-s-OFDM QPSK	1	1	/	12.62	/	13.20
		1	137	/	12.67	/	13.20
		1	271	/	12.63	/	13.20
		135	0	/	11.97	/	12.20
		135	69	/	12.89	/	13.20
		135	138	/	11.75	/	12.20
		270	0	/	11.83	/	12.20
	DFT-s-OFDM 16QAM	1	1	/	11.44	/	12.20
	DFT-s-OFDM 64QAM	1	1	/	10.08	/	10.70
	DFT-s-OFDM 256QAM	1	1	/	8.68	/	8.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633325	/	
100MHz	CP-OFDM QPSK	1	1	/	11.19	/	11.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.79	12.72	12.80	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.00	12.64	12.58	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.75	12.71	12.61	13.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.82	12.65	12.52	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.74	12.86	12.91	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.69	12.78	12.66	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.89	12.59	12.67	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.63	12.71	12.80	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.72	12.63	12.62	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	12.98	12.81	12.60	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	12.81	12.73	12.54	13.20

N77 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.77	/	12.20
		1	137	/	11.69	/	12.20
		1	271	/	11.76	/	12.20
		135	0	/	11.29	/	11.70
		135	69	/	12.01	/	12.20



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	DFT-s-OFDM QPSK	135	138	/	11.50	/	11.70
		270	0	/	11.19	/	11.70
		1	1	/	11.67	/	12.20
		1	137	/	11.70	/	12.20
		1	271	/	11.82	/	12.20
		135	0	/	10.79	/	11.20
		135	69	/	11.83	/	12.20
		135	138	/	10.94	/	11.20
		270	0	/	10.84	/	11.20
	DFT-s-OFDM 16QAM	1	1	/	10.51	/	11.20
	DFT-s-OFDM 64QAM	1	1	/	9.13	/	9.70
	DFT-s-OFDM 256QAM	1	1	/	7.65	/	7.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633325	/	
100MHz	CP-OFDM QPSK	1	1	/	10.31	/	10.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.73	11.69	11.81	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.02	11.64	11.60	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	11.69	11.67	11.50	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.89	11.56	11.50	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.78	11.74	11.71	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.95	11.65	11.62	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	11.75	11.63	11.78	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	11.80	11.80	11.63	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.76	11.75	11.69	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	11.93	11.77	11.67	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	11.91	11.72	11.70	12.20

N77 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.23	/	20.70
		1	137	/	20.24	/	20.70
		1	271	/	20.18	/	20.70
		135	0	/	19.72	/	20.20
		135	69	/	20.44	/	20.70
		135	138	/	19.98	/	20.20
		270	0	/	19.96	/	20.20
	DFT-s-OFDM QPSK	1	1	/	20.30	/	20.70
		1	137	/	20.23	/	20.70
		1	271	/	20.16	/	20.70
		135	0	/	19.50	/	19.70
		135	69	/	20.31	/	20.70
		135	138	/	19.40	/	19.70
		270	0	/	19.27	/	19.70
	DFT-s-OFDM 16QAM	1	1	/	18.90	/	19.70



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	DFT-s-OFDM 64QAM	1	1	/	17.56	/	18.20
	DFT-s-OFDM 256QAM	1	1	/	16.02	/	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633325	/	
100MHz	CP-OFDM QPSK	1	1	/	18.77	/	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	20.26	20.21	20.19	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	20.36	20.18	20.12	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	20.22	20.16	20.19	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	20.48	20.02	20.07	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	20.29	20.31	20.27	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	20.43	20.13	19.99	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	20.40	20.21	20.26	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	20.14	20.12	20.25	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	20.15	20.26	19.99	20.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	20.37	20.29	20.13	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	20.18	20.07	20.00	20.70

N77 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.67	/	18.20
		1	137	/	17.70	/	18.20
		1	271	/	17.51	/	18.20
		135	0	/	17.35	/	17.70
		135	69	/	17.87	/	18.20
		135	138	/	17.48	/	17.70
		270	0	/	17.29	/	17.70
	DFT-s-OFDM QPSK	1	1	/	17.49	/	18.20
		1	137	/	17.82	/	18.20
		1	271	/	17.48	/	18.20
		135	0	/	16.74	/	17.20
		135	69	/	17.83	/	18.20
		135	138	/	16.75	/	17.20
		270	0	/	16.62	/	17.20
	DFT-s-OFDM 16QAM	1	1	/	16.52	/	17.20
	DFT-s-OFDM 64QAM	1	1	/	15.03	/	15.70
	DFT-s-OFDM 256QAM	1	1	/	13.65	/	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633331	/	
100MHz	CP-OFDM QPSK	1	1	/	16.16	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	17.92	17.74	17.69	18.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	17.97	17.62	17.64	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	17.83	17.73	17.61	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	17.73	17.53	17.65	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	17.79	17.73	17.77	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	17.71	17.66	17.60	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	17.72	17.64	17.83	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	17.68	17.67	17.77	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	17.56	17.63	17.62	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	17.96	17.80	17.75	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	17.80	17.72	17.68	18.20



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N77 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.23	/	16.70
		1	137	/	16.13	/	16.70
		1	271	/	16.08	/	16.70
		135	0	/	15.84	/	16.20
		135	69	/	16.51	/	16.70
		135	138	/	15.83	/	16.20
		270	0	/	15.75	/	16.20
	DFT-s-OFDM QPSK	1	1	/	16.06	/	16.70
		1	137	/	16.22	/	16.70
		1	271	/	16.26	/	16.70
		135	0	/	15.38	/	15.70
		135	69	/	16.46	/	16.70
		135	138	/	15.25	/	15.70
		270	0	/	15.09	/	15.70
	DFT-s-OFDM 16QAM	1	1	/	14.89	/	15.70
	DFT-s-OFDM 64QAM	1	1	/	13.66	/	14.20
	DFT-s-OFDM 256QAM	1	1	/	12.10	/	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633331	/	
100MHz	CP-OFDM QPSK	1	1	/	14.67	/	15.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.27	16.16	16.29	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.29	16.15	16.12	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	16.21	16.03	16.00	16.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.28	16.26	16.05	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	16.27	16.32	16.34	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.44	16.13	16.12	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	16.44	16.12	16.19	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	16.23	16.28	16.21	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	16.13	16.08	16.03	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	16.26	16.33	16.22	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	16.24	16.31	16.15	16.70

N77 DSI 2					Conducted Power(dBm)					
SCS 30kHz(3700–3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	12.78	12.47	12.49	12.65	12.48	12.57	13.20
		1	137	12.76	12.68	12.68	12.92	12.62	12.71	13.20
		1	271	12.60	12.56	12.44	12.46	12.62	12.80	13.20
		135	0	11.84	12.42	12.43	12.28	12.30	12.26	12.70
		135	69	12.81	12.64	13.01	12.80	12.95	12.92	13.20



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		RB size	RB offset	648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	12.83	12.67	12.57	12.66	12.65	12.64	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	12.84	12.79	12.62	13.00	12.65	12.54	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	12.73	12.56	12.51	12.72	12.60	12.62	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	12.68	12.73	12.93	12.87	12.78	12.58	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	12.71	12.80	12.75	12.69	12.66	12.48	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	12.69	12.72	12.82	12.66	12.67	12.66	13.20

N77 DSI 3					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	11.82	11.67	11.51	11.66	11.40	11.55	12.20
		1	137	11.70	11.68	11.50	11.82	11.65	11.57	12.20
		1	271	11.63	11.46	11.47	11.43	11.42	11.81	12.20
		135	0	10.89	11.58	11.45	11.23	11.23	11.23	11.70
		135	69	11.78	11.89	11.79	11.95	11.85	11.82	12.20
		135	138	10.95	11.38	11.24	11.36	11.34	11.21	11.70
		270	0	10.83	11.25	11.16	11.10	11.14	11.29	11.70
	DFT-s-OFDM QPSK	1	1	11.56	11.67	11.80	11.65	11.56	11.52	12.20
		1	137	11.70	11.79	11.67	11.88	11.63	11.65	12.20
		1	271	11.66	11.55	11.61	11.42	11.71	11.64	12.20
		135	0	10.74	10.91	10.87	10.79	10.86	10.67	11.20



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		135	69	11.95	11.88	11.83	11.74	11.81	11.73	12.20
		135	138	10.76	10.77	10.80	10.96	10.87	10.72	11.20
		270	0	10.73	10.74	10.74	10.74	10.75	10.65	11.20
	DFT-s-OFDM 16QAM	1	1	10.56	10.43	10.46	10.36	10.49	10.61	11.20
	DFT-s-OFDM 64QAM	1	1	9.07	9.13	9.01	9.11	9.03	9.00	9.70
	DFT-s-OFDM 256QAM	1	1	7.60	7.67	7.51	7.65	7.64	7.55	7.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	10.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	649334	652000	654668	657334	660000	662666	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	649001	651800	654601	657401	660200	662999	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	648668	651600	654534	657468	660400	663332	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	648334	651400	654468	657534	660600	663666	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	648000	651200	654400	657600	660800	664000	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	647666	651000	654332	657666	661000	664334	12.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	11.68	11.67	11.63	11.63	11.75	11.53	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	11.70	11.88	11.86	11.77	11.69	11.70	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	11.71	11.79	11.71	11.67	11.69	11.47	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	11.73	11.87	11.77	11.71	11.82	11.60	12.20

N77 DSI 4					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.07	20.10	20.05	20.19	19.87	20.07	20.70
		1	137	20.20	20.17	20.07	20.25	20.20	20.13	20.70
		1	271	20.25	19.91	19.99	19.99	20.05	20.36	20.70
		135	0	19.37	19.93	19.83	19.78	19.75	19.61	20.20
		135	69	20.26	20.18	20.39	20.35	20.47	20.39	20.70
		135	138	19.33	19.92	19.75	19.87	19.82	19.75	20.20
		270	0	19.35	19.73	19.85	19.81	19.65	19.78	20.20
	DFT-s-OFDM QPSK	1	1	20.11	20.05	20.22	20.18	20.04	20.04	20.70
		1	137	20.31	20.38	20.19	20.39	20.20	20.07	20.70
		1	271	19.97	19.98	19.93	20.12	20.11	20.23	20.70
		135	0	19.27	19.44	19.35	19.43	19.23	19.21	19.70
		135	69	20.43	20.34	20.25	20.34	20.46	20.37	20.70
		135	138	19.43	19.27	19.40	19.30	19.38	19.16	19.70
		270	0	19.23	19.04	19.16	19.39	19.29	19.16	19.70
	DFT-s-OFDM 16QAM	1	1	19.01	19.15	19.11	18.94	18.97	19.07	19.70
	DFT-s-OFDM 64QAM	1	1	17.68	17.48	17.46	17.70	17.65	17.67	18.20



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	DFT-s-OFDM 256QAM	1	1	16.09	16.18	16.07	16.18	16.02	16.10	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	18.73	18.85	18.73	18.82	18.90	18.97	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	20.26	20.20	20.18	20.31	20.28	20.22	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	20.29	20.20	20.27	20.34	20.19	20.09	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	20.30	20.25	20.26	20.24	20.30	19.92	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	20.16	20.13	20.25	20.16	20.29	20.25	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	20.34	20.12	20.33	20.11	20.04	20.15	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	20.26	20.19	20.07	20.41	20.16	19.99	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	20.29	20.12	20.22	20.30	20.25	19.94	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	20.19	20.30	20.23	20.23	19.98	20.16	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	



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20MHz	DFT-s-OFDM QPSK	1	1	20.18	20.31	20.27	20.21	20.16	20.13	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	20.28	20.41	20.26	20.19	20.36	19.99	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	20.22	20.24	20.23	20.04	20.38	20.07	20.70

N77 DSI 5					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.81	17.61	17.44	17.71	17.66	17.56	18.20
		1	137	17.79	17.61	17.60	17.76	17.69	17.63	18.20
		1	271	17.79	17.58	17.50	17.49	17.56	17.74	18.20
		135	0	17.03	17.41	17.33	17.35	17.32	17.08	17.70
		135	69	17.74	17.82	17.80	17.77	17.79	17.92	18.20
		135	138	16.90	17.38	17.26	17.24	17.20	17.23	17.70
		270	0	16.68	17.26	17.15	17.23	17.04	17.33	17.70
	DFT-s-OFDM QPSK	1	1	17.73	17.59	17.70	17.70	17.66	17.42	18.20
		1	137	17.86	17.89	17.89	17.95	17.70	17.68	18.20
		1	271	17.49	17.56	17.57	17.50	17.58	17.77	18.20
		135	0	16.72	16.93	16.74	16.84	16.70	16.83	17.20
		135	69	17.94	17.96	17.90	17.67	17.71	17.79	18.20
		135	138	16.64	16.74	16.75	16.73	16.85	16.72	17.20
		270	0	16.76	16.71	16.86	16.85	16.69	16.67	17.20
	DFT-s-OFDM 16QAM	1	1	16.65	16.70	16.40	16.46	16.52	16.65	17.20
	DFT-s-OFDM 64QAM	1	1	15.06	15.08	15.08	15.14	15.03	15.08	15.70
	DFT-s-OFDM 256QAM	1	1	13.63	13.70	13.69	13.68	13.47	13.56	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	16.27	16.27	16.15	16.26	16.30	16.24	16.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	17.89	17.69	17.74	17.82	17.72	17.63	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	17.65	17.70	17.65	17.79	17.55	17.60	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	17.77	17.76	17.81	17.74	17.79	17.41	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	17.73	17.76	17.66	17.77	17.83	17.76	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	17.87	17.62	17.85	17.59	17.59	17.75	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	17.70	17.58	17.73	17.70	17.62	17.67	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	17.70	17.67	17.81	17.93	17.71	17.52	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	17.58	17.84	17.60	17.69	17.58	17.54	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	17.77	17.91	17.77	17.77	17.64	17.57	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	17.60	17.72	17.66	17.57	17.84	17.53	18.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	17.81	17.66	17.80	17.61	17.85	17.60	18.20

N77 DSI 8/9/10					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.25	16.13	16.14	16.09	15.96	16.04	16.70
		1	137	16.37	16.17	16.22	16.27	16.10	16.15	16.70
		1	271	16.29	16.13	15.88	16.01	16.12	16.27	16.70
		135	0	15.43	15.86	15.80	15.77	15.70	15.57	16.20
		135	69	16.35	16.37	16.24	16.33	16.35	16.32	16.70
		135	138	15.33	15.80	15.67	15.74	15.75	15.73	16.20
		270	0	15.36	15.79	15.57	15.66	15.78	15.89	16.20
	DFT-s-OFDM QPSK	1	1	16.26	16.08	16.24	16.08	16.03	16.00	16.70
		1	137	16.18	16.31	16.19	16.38	16.17	16.26	16.70
		1	271	16.11	15.98	16.07	15.96	16.07	16.15	16.70
		135	0	15.25	15.35	15.32	15.28	15.19	15.20	15.70
		135	69	16.26	16.43	16.37	16.33	16.33	16.22	16.70
		135	138	15.31	15.13	15.31	15.33	15.21	15.17	15.70
		270	0	15.26	15.14	15.40	15.46	15.12	15.19	15.70
	DFT-s-OFDM 16QAM	1	1	15.00	15.02	14.82	15.12	15.04	15.15	15.70
	DFT-s-OFDM 64QAM	1	1	13.60	13.44	13.55	13.65	13.61	13.70	14.20
	DFT-s-OFDM 256QAM	1	1	12.16	12.11	12.13	12.14	12.18	12.05	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	14.85	14.79	14.72	14.88	14.89	14.80	15.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	16.32	16.29	16.18	16.19	16.20	16.06	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	



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No. (Testing) # H. Multi-Test, Special Testing Fee, Under-Test, Recycle, Recycling Fee: \$16057 I (86-755) 2801 2053 I (86-755) 267 0594 www.sgs.com.cn
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80MHz	DFT-s-OFDM QPSK	1	1	16.26	16.20	16.21	16.38	16.09	16.18	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	16.32	16.16	16.33	16.25	16.23	16.07	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	16.25	16.15	16.22	16.16	16.33	16.29	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	16.30	16.28	16.34	16.10	16.22	16.20	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	16.30	16.07	16.16	16.36	16.19	16.29	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	16.20	16.31	16.16	16.37	16.31	15.94	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	16.12	16.19	16.16	16.01	16.00	16.12	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	16.32	16.23	16.35	16.20	16.26	16.15	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	16.20	16.29	16.18	16.06	16.20	15.99	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	16.22	16.39	16.45	16.14	16.12	16.21	16.70



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No. (Testing) # H. Multi-Set, Serial Testing Fee, Analysis Fee, Report Fee, Sample Fee, etc. \$1600 / \$100-750 (800) 2003 / \$100-750 (267) 0004 www.sgs.com.cn

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N78 PC2 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450–3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.62	/	14.20
		1	137	/	13.70	/	14.20
		1	271	/	13.80	/	14.20
		135	0	/	10.40	/	10.70
		135	69	/	13.81	/	14.20
		135	138	/	10.31	/	10.70
		270	0	/	13.51	/	13.70
	DFT-s-OFDM QPSK	1	1	/	13.61	/	14.20
		1	137	/	13.83	/	14.20
		1	271	/	13.94	/	14.20
		135	0	/	10.34	/	10.70
		135	69	/	13.88	/	14.20
		135	138	/	10.43	/	10.70
		270	0	/	13.01	/	13.20
	DFT-s-OFDM 16QAM	1	1	/	12.77	/	13.20
	DFT-s-OFDM 64QAM	1	1	/	11.07	/	11.70
	DFT-s-OFDM 256QAM	1	1	/	9.51	/	9.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.28	/	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.69	13.69	13.70	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.66	13.71	13.70	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.52	13.68	13.72	14.20



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No. (Testing) # H. Multi Sector, Special Testing Pet. Number (GZ) Sector, Sample No. S16057 I (86-755) 2801 2053 I (86-755) 267 0594 www.sgs.com.cn
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.75	13.72	13.66	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.53	13.38	13.62	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.48	13.64	13.65	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.49	13.67	13.66	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.52	13.69	13.64	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.58	13.55	13.67	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	13.65	13.74	13.58	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	13.56	13.60	13.71	14.20

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.22	/	12.70
		1	137	/	12.30	/	12.70
		1	271	/	12.29	/	12.70
		135	0	/	8.68	/	9.20
		135	69	/	12.31	/	12.70



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	DFT-s-OFDM QPSK	135	138	/	8.89	/	9.20
		270	0	/	11.84	/	12.20
		1	1	/	12.15	/	12.70
		1	137	/	12.31	/	12.70
		1	271	/	12.35	/	12.70
		135	0	/	8.85	/	9.20
		135	69	/	12.46	/	12.70
		135	138	/	9.08	/	9.20
		270	0	/	11.45	/	11.70
	DFT-s-OFDM 16QAM	1	1	/	11.18	/	11.70
	DFT-s-OFDM 64QAM	1	1	/	9.59	/	10.20
	DFT-s-OFDM 256QAM	1	1	/	7.91	/	8.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	10.74	/	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.13	12.07	12.28	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.18	12.07	12.09	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.03	12.13	12.17	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.22	12.08	12.24	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.01	12.15	12.22	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.07	12.13	12.12	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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No. (Testing) # (Multi) Set(s), Serial (Testing) No., Order (Set(s)) No., Order (Set(s)) No. S16057 I (86-755) 2801 2053 I (86-755) 267 0594 www.sgs.com.cn

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				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.12	11.97	12.29	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.20	12.09	12.31	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.07	11.99	11.93	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	12.24	12.15	12.05	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	12.13	12.25	12.16	12.70

N78 PC2 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.12	/	20.70
		1	137	/	20.30	/	20.70
		1	271	/	20.22	/	20.70
		135	0	/	16.67	/	17.20
		135	69	/	20.29	/	20.70
		135	138	/	16.93	/	17.20
		270	0	/	19.86	/	20.20
	DFT-s-OFDM QPSK	1	1	/	20.21	/	20.70
		1	137	/	20.28	/	20.70
		1	271	/	20.34	/	20.70
		135	0	/	16.76	/	17.20
		135	69	/	20.29	/	20.70
		135	138	/	17.12	/	17.20
		270	0	/	19.26	/	19.70
	DFT-s-OFDM 16QAM	1	1	/	19.17	/	19.70



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	DFT-s-OFDM 64QAM	1	1	/	17.62	/	18.20
	DFT-s-OFDM 256QAM	1	1	/	16.07	/	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	18.86	/	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	20.02	20.02	20.15	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	20.07	20.14	20.17	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	19.96	20.06	20.10	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	20.19	20.13	20.24	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	20.17	20.15	20.19	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	20.06	20.21	20.14	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	20.14	20.09	20.40	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	20.26	20.02	20.15	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	20.04	20.11	19.97	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	20.14	20.12	20.10	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	20.04	20.02	20.28	20.70

N78 PC2 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.70	/	18.20
		1	137	/	17.78	/	18.20
		1	271	/	17.79	/	18.20
		135	0	/	14.27	/	14.70
		135	69	/	17.83	/	18.20
		135	138	/	14.36	/	14.70
		270	0	/	17.57	/	17.70
	DFT-s-OFDM QPSK	1	1	/	17.61	/	18.20
		1	137	/	17.77	/	18.20
		1	271	/	17.83	/	18.20
		135	0	/	14.15	/	14.70
		135	69	/	17.78	/	18.20
		135	138	/	14.57	/	14.70
		270	0	/	16.95	/	17.20
	DFT-s-OFDM 16QAM	1	1	/	16.72	/	17.20
	DFT-s-OFDM 64QAM	1	1	/	15.15	/	15.70
	DFT-s-OFDM 256QAM	1	1	/	13.64	/	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	16.43	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	17.55	17.63	17.74	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	17.78	17.53	17.48	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	17.62	17.70	17.60	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	17.81	17.48	17.63	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	17.66	17.58	17.55	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	17.58	17.61	17.58	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	17.48	17.60	17.73	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	17.71	17.51	17.69	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	17.56	17.72	17.50	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	17.58	17.54	17.58	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	17.77	17.59	17.59	18.20



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N78 PC2 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.70	/	16.20
		1	137	/	15.77	/	16.20
		1	271	/	15.76	/	16.20
		135	0	/	12.30	/	12.70
		135	69	/	15.74	/	16.20
		135	138	/	12.32	/	12.70
		270	0	/	15.33	/	15.70
	DFT-s-OFDM QPSK	1	1	/	15.58	/	16.20
		1	137	/	15.84	/	16.20
		1	271	/	15.72	/	16.20
		135	0	/	12.35	/	12.70
		135	69	/	15.99	/	16.20
		135	138	/	12.39	/	12.70
		270	0	/	14.96	/	15.20
	DFT-s-OFDM 16QAM	1	1	/	14.54	/	15.20
	DFT-s-OFDM 64QAM	1	1	/	13.14	/	13.70
	DFT-s-OFDM 256QAM	1	1	/	11.55	/	11.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.38	/	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.73	15.60	15.58	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.68	15.60	15.65	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	15.67	15.71	15.54	16.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.65	15.57	15.71	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.40	15.65	15.75	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.46	15.70	15.58	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.54	15.63	15.75	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.61	15.57	15.57	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.54	15.71	15.69	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	15.65	15.71	15.58	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	15.61	15.70	15.54	16.20

N78 PC2 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.63	/	14.20
		1	137	/	13.80	/	14.20
		1	271	/	13.83	/	14.20
		135	0	/	10.37	/	10.70
		135	69	/	13.75	/	14.20



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	DFT-s-OFDM QPSK	135	138	/	10.68	/	10.70
		270	0	/	13.57	/	13.70
		1	1	/	13.71	/	14.20
		1	137	/	13.98	/	14.20
		1	271	/	13.74	/	14.20
		135	0	/	10.22	/	10.70
		135	69	/	13.72	/	14.20
		135	138	/	10.33	/	10.70
		270	0	/	12.92	/	13.20
		1	1	/	12.77	/	13.20
		1	1	/	11.24	/	11.70
		1	1	/	9.42	/	9.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.25	/	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.91	13.72	13.70	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.76	13.83	13.49	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.88	13.86	13.63	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.77	13.65	13.59	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.91	13.51	13.63	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.68	13.50	13.53	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.83	13.70	13.91	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.62	13.71	13.70	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	14.06	13.75	13.67	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	13.93	13.94	13.34	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	13.69	13.66	13.85	14.20

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.09	/	12.70
		1	137	/	12.27	/	12.70
		1	271	/	12.36	/	12.70
		135	0	/	8.95	/	9.20
		135	69	/	12.32	/	12.70
		135	138	/	8.98	/	9.20
		270	0	/	12.08	/	12.20
	DFT-s-OFDM QPSK	1	1	/	12.23	/	12.70
		1	137	/	12.24	/	12.70
		1	271	/	12.26	/	12.70
		135	0	/	8.70	/	9.20
		135	69	/	12.22	/	12.70
		135	138	/	9.04	/	9.20
		270	0	/	11.56	/	11.70
	DFT-s-OFDM 16QAM	1	1	/	11.26	/	11.70



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	DFT-s-OFDM 64QAM	1	1	/	9.51	/	10.20
	DFT-s-OFDM 256QAM	1	1	/	7.95	/	8.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	10.70	/	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	12.44	12.25	12.11	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	12.46	12.29	12.13	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	12.37	12.28	12.28	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	12.16	12.16	11.86	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	12.44	11.99	12.11	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	12.16	12.11	12.01	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	12.37	12.06	12.38	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.20	12.30	12.17	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	12.50	12.25	12.10	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	12.31	12.31	11.96	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	12.16	12.04	12.25	12.70

N78 PC2 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.15	/	20.70
		1	137	/	20.26	/	20.70
		1	271	/	20.32	/	20.70
		135	0	/	16.78	/	17.20
		135	69	/	20.24	/	20.70
		135	138	/	16.97	/	17.20
		270	0	/	19.92	/	20.20
	DFT-s-OFDM QPSK	1	1	/	20.28	/	20.70
		1	137	/	20.39	/	20.70
		1	271	/	20.19	/	20.70
		135	0	/	16.83	/	17.20
		135	69	/	20.35	/	20.70
		135	138	/	16.84	/	17.20
		270	0	/	19.36	/	19.70
	DFT-s-OFDM 16QAM	1	1	/	19.14	/	19.70
	DFT-s-OFDM 64QAM	1	1	/	17.51	/	18.20
	DFT-s-OFDM 256QAM	1	1	/	16.04	/	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	18.74	/	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	20.44	20.36	20.2	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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N78 PC2 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.61	/	18.20
		1	137	/	17.76	/	18.20
		1	271	/	17.79	/	18.20
		135	0	/	14.48	/	14.70
		135	69	/	17.81	/	18.20
		135	138	/	14.60	/	14.70
		270	0	/	17.39	/	17.70
	DFT-s-OFDM QPSK	1	1	/	17.75	/	18.20
		1	137	/	17.80	/	18.20
		1	271	/	17.73	/	18.20
		135	0	/	14.29	/	14.70
		135	69	/	17.74	/	18.20
		135	138	/	14.34	/	14.70
		270	0	/	17.02	/	17.20
	DFT-s-OFDM 16QAM	1	1	/	16.86	/	17.20
	DFT-s-OFDM 64QAM	1	1	/	15.03	/	15.70
	DFT-s-OFDM 256QAM	1	1	/	13.47	/	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	16.28	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	17.92	17.66	17.61	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	17.77	17.83	17.43	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	17.96	17.85	17.65	18.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	17.65	17.60	17.46	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	17.80	17.42	17.60	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	17.75	17.71	17.54	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	17.91	17.65	17.66	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	17.57	17.70	17.56	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	17.97	17.86	17.72	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	17.79	17.86	17.54	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	17.69	17.56	17.75	18.20

N78 PC2 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.71	/	16.20
		1	137	/	15.83	/	16.20
		1	271	/	15.91	/	16.20
		135	0	/	12.43	/	12.70
		135	69	/	15.93	/	16.20



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		135	138	/	12.43	/	12.70
		270	0	/	15.57	/	15.70
	DFT-s-OFDM QPSK	1	1	/	15.72	/	16.20
		1	137	/	15.94	/	16.20
		1	271	/	15.78	/	16.20
		135	0	/	12.14	/	12.70
		135	69	/	15.72	/	16.20
		135	138	/	12.49	/	12.70
		270	0	/	15.05	/	15.20
		DFT-s-OFDM 16QAM	1	1	/	14.86	/
	DFT-s-OFDM 64QAM	1	1	/	13.10	/	13.70
	DFT-s-OFDM 256QAM	1	1	/	11.63	/	11.70
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.25	/	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	15.74	15.70	15.59	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.98	15.73	15.51	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.91	15.79	15.79	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.88	15.64	15.35	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	15.77	15.48	15.55	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.56	15.48	15.67	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	15.78	15.69	15.67	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.51	15.89	15.80	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	16.09	15.79	15.67	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	15.79	15.79	15.47	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	15.65	15.55	15.82	16.20

N78 PC3 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.17	/	20.70
		1	137	/	20.26	/	20.70
		1	271	/	20.18	/	20.70
		135	0	/	19.75	/	20.20
		135	69	/	20.58	/	20.70
		135	138	/	19.94	/	20.20
		270	0	/	19.79	/	20.20
	DFT-s-OFDM QPSK	1	1	/	20.11	/	20.70
		1	137	/	20.37	/	20.70
		1	271	/	20.33	/	20.70
		135	0	/	19.38	/	19.70
		135	69	/	20.52	/	20.70
		135	138	/	19.52	/	19.70
		270	0	/	19.41	/	19.70
	DFT-s-OFDM 16QAM	1	1	/	18.99	/	19.70



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	DFT-s-OFDM 64QAM	1	1	/	17.64	/	18.20
	DFT-s-OFDM 256QAM	1	1	/	16.08	/	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		18.88		19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	20.30	20.20	20.27	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	20.25	20.30	20.33	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	20.22	20.17	20.23	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	20.29	20.33	20.32	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	20.35	20.01	20.13	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	20.21	20.07	20.19	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	20.30	20.31	20.33	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	20.39	20.17	20.11	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	20.27	20.19	20.24	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	20.35	20.24	20.23	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	20.31	20.08	20.17	20.70

N78 PC3 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.71	/	14.20
		1	137	/	13.89	/	14.20
		1	271	/	13.63	/	14.20
		135	0	/	13.10	/	13.70
		135	69	/	13.97	/	14.20
		135	138	/	13.51	/	13.70
		270	0	/	13.41	/	13.70
	DFT-s-OFDM QPSK	1	1	/	13.71	/	14.20
		1	137	/	13.79	/	14.20
		1	271	/	13.90	/	14.20
		135	0	/	12.84	/	13.20
		135	69	/	14.00	/	14.20
		135	138	/	13.05	/	13.20
		270	0	/	12.90	/	13.20
	DFT-s-OFDM 16QAM	1	1	/	12.72	/	13.20
	DFT-s-OFDM 64QAM	1	1	/	11.18	/	11.70
	DFT-s-OFDM 256QAM	1	1	/	9.42	/	9.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		12.37		12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.86	13.65	13.69	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.53	13.80	13.81	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.65	13.69	13.97	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.88	13.71	13.80	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.82	13.58	13.78	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.63	13.68	13.71	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.84	13.71	13.87	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.78	13.64	13.57	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.78	13.83	13.71	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	13.63	13.76	13.75	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	13.71	13.72	13.86	14.20



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N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450–3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.16	/	12.70
		1	137	/	12.41	/	12.70
		1	271	/	12.32	/	12.70
		135	0	/	11.57	/	12.20
		135	69	/	12.47	/	12.70
		135	138	/	11.85	/	12.20
		270	0	/	11.98	/	12.20
	DFT-s-OFDM QPSK	1	1	/	12.10	/	12.70
		1	137	/	12.47	/	12.70
		1	271	/	12.32	/	12.70
		135	0	/	11.26	/	11.70
		135	69	/	12.43	/	12.70
		135	138	/	11.41	/	11.70
		270	0	/	11.35	/	11.70
	DFT-s-OFDM 16QAM	1	1	/	10.95	/	11.70
	DFT-s-OFDM 64QAM	1	1	/	9.48	/	10.20
	DFT-s-OFDM 256QAM	1	1	/	8.06	/	8.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		10.88		11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.28	12.33	12.27	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.17	12.28	12.12	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.23	12.15	12.34	12.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.43	12.38	12.27	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.34	12.14	12.07	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.17	11.95	12.05	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.33	12.16	12.29	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.30	11.99	12.01	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.24	12.19	12.23	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	12.25	12.27	12.36	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	12.18	12.14	12.29	12.70

N78 PC3 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.61	/	18.20
		1	137	/	17.76	/	18.20
		1	271	/	17.71	/	18.20
		135	0	/	17.31	/	17.70
		135	69	/	18.12	/	18.20



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	DFT-s-OFDM QPSK	135	138	/	17.35	/	17.70
		270	0	/	17.32	/	17.70
		1	1	/	17.71	/	18.20
		1	137	/	17.90	/	18.20
		1	271	/	17.79	/	18.20
		135	0	/	16.80	/	17.20
		135	69	/	18.10	/	18.20
		135	138	/	17.01	/	17.20
		270	0	/	16.89	/	17.20
		DFT-s-OFDM 16QAM	1	1	/	16.67	17.20
		DFT-s-OFDM 64QAM	1	1	/	15.05	15.70
		DFT-s-OFDM 256QAM	1	1	/	13.60	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		16.35		16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	17.85	17.58	17.81	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	17.56	17.83	17.68	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	17.84	17.70	17.71	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	17.90	17.73	17.85	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	17.89	17.70	17.61	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	17.84	17.69	17.75	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	17.68	17.77	17.85	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	17.99	17.49	17.64	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	17.56	17.73	17.84	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	17.81	17.78	17.75	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	17.81	17.54	17.67	18.20

N78 PC3 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.79	/	16.20
		1	137	/	15.87	/	16.20
		1	271	/	15.60	/	16.20
		135	0	/	15.26	/	15.70
		135	69	/	16.11	/	16.20
		135	138	/	15.35	/	15.70
		270	0	/	15.35	/	15.70
	DFT-s-OFDM QPSK	1	1	/	15.66	/	16.20
		1	137	/	15.91	/	16.20
		1	271	/	15.73	/	16.20
		135	0	/	14.75	/	15.20
		135	69	/	16.01	/	16.20
		135	138	/	14.87	/	15.20
		270	0	/	14.80	/	15.20
	DFT-s-OFDM 16QAM	1	1	/	14.58	/	15.20



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	DFT-s-OFDM 64QAM	1	1	/	13.08	/	13.70
	DFT-s-OFDM 256QAM	1	1	/	11.53	/	11.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		14.34		14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.63	15.70	15.84	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.65	15.75	15.66	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	15.89	15.66	15.76	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.90	15.77	15.90	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.80	15.71	15.65	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.64	15.67	15.66	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.81	15.77	15.78	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.77	15.60	15.56	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.76	15.85	15.78	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	15.90	15.77	15.72	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	15.81	15.66	15.65	16.20

N78 PC3 DSI 4				Conducted Power(dBm)				
SCS 30kHz(3700~3800)								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	650000	/		
				/	3750.00	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.12	/	20.70	
		1	137	/	20.37	/	20.70	
		1	271	/	20.21	/	20.70	
		135	0	/	19.63	/	20.20	
		135	69	/	20.48	/	20.70	
		135	138	/	19.98	/	20.20	
		270	0	/	19.83	/	20.20	
	DFT-s-OFDM QPSK	1	1	/	20.14	/	20.70	
		1	137	/	20.40	/	20.70	
		1	271	/	20.24	/	20.70	
		135	0	/	19.26	/	19.70	
		135	69	/	20.38	/	20.70	
		135	138	/	19.40	/	19.70	
		270	0	/	19.45	/	19.70	
	DFT-s-OFDM 16QAM	1	1	/	18.98	/	19.70	
	DFT-s-OFDM 64QAM	1	1	/	17.75	/	18.20	
	DFT-s-OFDM 256QAM	1	1	/	16.07	/	16.20	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	18.68	/	19.20	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				649668	650000	650334		
90MHz	DFT-s-OFDM QPSK	1	1	20.23	20.16	20.25	20.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	



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				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	20.21	20.25	20.18	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	20.10	20.14	20.12	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	20.18	20.24	20.13	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	20.25	20.18	20.24	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	20.28	20.23	20.17	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	20.29	20.27	20.04	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	20.33	20.20	20.22	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	20.26	20.13	20.26	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	20.38	20.15	20.21	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	20.25	20.25	20.34	20.70



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N78 PC3 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.65	/	14.20
		1	137	/	13.77	/	14.20
		1	271	/	13.74	/	14.20
		135	0	/	13.18	/	13.70
		135	69	/	14.13	/	14.20
		135	138	/	13.48	/	13.70
		270	0	/	13.34	/	13.70
	DFT-s-OFDM QPSK	1	1	/	13.71	/	14.20
		1	137	/	13.99	/	14.20
		1	271	/	13.88	/	14.20
		135	0	/	12.81	/	13.20
		135	69	/	13.85	/	14.20
		135	138	/	13.00	/	13.20
		270	0	/	12.97	/	13.20
	DFT-s-OFDM 16QAM	1	1	/	12.66	/	13.20
	DFT-s-OFDM 64QAM	1	1	/	11.03	/	11.70
	DFT-s-OFDM 256QAM	1	1	/	9.61	/	9.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1		12.15		12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.66	13.75	13.77	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.81	13.63	13.67	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.53	13.59	13.61	14.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.68	13.81	13.56	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.65	13.75	13.70	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.79	13.70	13.58	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.79	13.66	13.59	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.85	13.65	13.78	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.72	13.73	13.76	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.77	13.69	13.72	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.59	13.84	13.81	14.20

N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.19	/	12.70
		1	137	/	12.42	/	12.70
		1	271	/	12.27	/	12.70
		135	0	/	11.55	/	12.20
		135	69	/	12.49	/	12.70



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	DFT-s-OFDM QPSK	135	138	/	12.04	/	12.20
		270	0	/	11.95	/	12.20
		1	1	/	12.20	/	12.70
		1	137	/	12.32	/	12.70
		1	271	/	12.20	/	12.70
		135	0	/	11.28	/	11.70
		135	69	/	12.41	/	12.70
		135	138	/	11.62	/	11.70
		270	0	/	11.44	/	11.70
	DFT-s-OFDM 16QAM	1	1	/	11.10	/	11.70
	DFT-s-OFDM 64QAM	1	1	/	9.77	/	10.20
	DFT-s-OFDM 256QAM	1	1	/	8.04	/	8.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1		10.73		11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	12.30	12.04	12.14	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	12.35	12.38	12.12	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	12.17	12.08	12.18	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	12.22	12.13	12.21	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	12.37	12.20	12.41	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	12.19	12.41	12.18	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	12.25	12.42	12.26	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	12.35	12.28	12.13	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	12.32	12.14	12.25	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	12.37	12.24	12.17	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	12.22	12.19	12.24	12.70

N78 PC3 DSI 5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.53	/	18.20
		1	137	/	17.84	/	18.20
		1	271	/	17.70	/	18.20
		135	0	/	17.12	/	17.70
		135	69	/	18.02	/	18.20
		135	138	/	17.47	/	17.70
		270	0	/	17.37	/	17.70
	DFT-s-OFDM QPSK	1	1	/	17.67	/	18.20
		1	137	/	17.82	/	18.20
		1	271	/	17.76	/	18.20
		135	0	/	16.72	/	17.20
		135	69	/	17.91	/	18.20
		135	138	/	17.01	/	17.20
		270	0	/	16.84	/	17.20
	DFT-s-OFDM 16QAM	1	1	/	16.61	/	17.20



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	DFT-s-OFDM 64QAM	1	1	/	15.12	/	15.70
	DFT-s-OFDM 256QAM	1	1	/	13.70	/	13.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1		16.13		16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	17.70	17.78	17.84	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	17.90	17.87	17.57	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	17.55	17.70	17.58	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	17.79	17.66	17.63	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	17.65	17.66	17.68	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	17.73	17.76	17.56	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	17.72	17.81	17.54	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	17.97	17.90	17.87	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	17.77	17.67	17.76	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	17.87	17.69	17.88	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	17.61	17.67	17.95	18.20

N78 PC3 DSI 8/9/10				Conducted Power(dBm)				
SCS 30kHz(3700~3800)								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	650000	/		
				/	3750.00	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.52	/	16.20	
		1	137	/	15.88	/	16.20	
		1	271	/	15.70	/	16.20	
		135	0	/	15.17	/	15.70	
		135	69	/	16.00	/	16.20	
		135	138	/	15.64	/	15.70	
		270	0	/	15.26	/	15.70	
	DFT-s-OFDM QPSK	1	1	/	15.75	/	16.20	
		1	137	/	15.85	/	16.20	
		1	271	/	15.88	/	16.20	
		135	0	/	14.75	/	15.20	
		135	69	/	15.96	/	16.20	
		135	138	/	15.04	/	15.20	
		270	0	/	14.90	/	15.20	
	DFT-s-OFDM 16QAM	1	1	/	14.69	/	15.20	
	DFT-s-OFDM 64QAM	1	1	/	13.10	/	13.70	
	DFT-s-OFDM 256QAM	1	1	/	11.64	/	11.70	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					/	650000	/	
100MHz	CP-OFDM QPSK	1	1		14.29		14.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				649668	650000	650334		
90MHz	DFT-s-OFDM QPSK	1	1	15.85	15.64	15.85	16.20	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	



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				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.73	15.73	15.66	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.61	15.79	15.62	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.54	15.74	15.61	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	15.68	15.62	15.66	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.66	15.74	15.69	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	15.72	15.77	15.66	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	15.90	15.83	15.80	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	15.75	15.64	15.69	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	15.83	15.62	15.78	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	15.76	15.81	15.89	16.20



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8.3 Conducted Power of NR NSA Antenna (Ant13)

N5 DSI 4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.65	21.11	20.77	22.30
		1	53	20.86	20.78	20.75	22.30
		1	104	20.78	20.47	20.69	22.30
		50	0	20.36	20.31	20.12	21.80
		50	28	20.68	20.80	20.65	22.30
		50	56	20.21	20.21	19.98	21.80
		100	0	20.05	20.17	20.25	21.80
	DFT-s-OFDM QPSK	1	1	20.66	20.93	20.63	22.30
		1	53	20.79	20.82	20.79	22.30
		1	104	20.64	20.59	20.53	22.30
		50	0	19.90	19.72	19.70	21.30
		50	28	20.71	20.78	20.82	22.30
		50	56	19.70	19.75	19.71	21.30
		100	0	19.61	19.58	19.74	21.30
	DFT-s-OFDM 16QAM	1	1	19.41	19.36	19.48	21.30
	DFT-s-OFDM 64QAM	1	1	17.94	17.96	17.95	19.80
	DFT-s-OFDM 256QAM	1	1	16.53	16.53	16.52	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	19.12	19.15	19.18	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.68	21.20	20.62	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.71	21.01	20.86	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	20.56	21.00	20.69	22.30



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N5 DSI 2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.21	17.66	17.29	18.80
		1	53	17.45	17.46	17.14	18.80
		1	104	17.16	16.87	17.04	18.80
		50	0	16.76	16.90	16.81	18.30
		50	28	17.17	17.29	17.12	18.80
		50	56	16.83	16.73	16.45	18.30
		100	0	16.68	16.79	16.86	18.30
	DFT-s-OFDM QPSK	1	1	17.12	17.28	17.30	18.80
		1	53	17.50	17.20	17.31	18.80
		1	104	17.23	17.01	17.07	18.80
		50	0	16.30	16.19	16.08	17.80
		50	28	17.19	17.32	17.30	18.80
		50	56	16.19	16.29	16.11	17.80
		100	0	16.16	16.22	16.33	17.80
	DFT-s-OFDM 16QAM	1	1	16.03	15.86	15.93	17.80
	DFT-s-OFDM 64QAM	1	1	14.41	14.40	14.59	16.30
	DFT-s-OFDM 256QAM	1	1	12.96	13.12	13.10	14.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	15.55	15.67	15.72	17.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	17.11	17.72	17.14	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	17.20	17.71	17.26	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	17.00	17.64	17.16	18.80



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N5 DSI 3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.07	16.58	16.08	17.80
		1	53	16.36	16.36	16.22	17.80
		1	104	16.18	16.09	16.19	17.80
		50	0	15.71	15.80	15.58	17.30
		50	28	16.19	16.41	16.17	17.80
		50	56	15.76	15.85	15.64	17.30
		100	0	15.60	15.61	15.76	17.30
	DFT-s-OFDM QPSK	1	1	16.14	16.38	16.16	17.80
		1	53	16.42	16.40	16.15	17.80
		1	104	16.15	16.00	16.14	17.80
		50	0	15.42	15.20	15.12	16.80
		50	28	16.41	16.21	16.26	17.80
		50	56	15.13	15.28	15.17	16.80
		100	0	15.21	15.24	15.22	16.80
	DFT-s-OFDM 16QAM	1	1	14.81	14.86	14.97	16.80
	DFT-s-OFDM 64QAM	1	1	13.52	13.44	13.48	15.30
	DFT-s-OFDM 256QAM	1	1	12.10	12.09	11.88	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	14.58	14.88	14.70	16.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	16.23	16.61	16.17	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	16.22	16.44	16.38	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	16.01	16.56	16.20	17.80



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N5 DSI 5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.11	20.74	20.20	21.80
		1	53	20.30	20.33	20.25	21.80
		1	104	20.23	19.99	20.25	21.80
		50	0	19.88	19.81	19.56	21.30
		50	28	20.18	20.19	20.25	21.80
		50	56	19.70	19.64	19.62	21.30
		100	0	19.67	19.63	19.80	21.30
	DFT-s-OFDM QPSK	1	1	20.13	20.39	20.29	21.80
		1	53	20.27	20.34	20.14	21.80
		1	104	19.99	20.14	20.18	21.80
		50	0	19.23	19.26	19.29	20.80
		50	28	20.33	20.34	20.33	21.80
		50	56	19.09	19.19	19.24	20.80
		100	0	19.32	19.11	19.22	20.80
	DFT-s-OFDM 16QAM	1	1	18.86	19.04	18.97	20.80
	DFT-s-OFDM 64QAM	1	1	17.43	17.47	17.53	19.30
	DFT-s-OFDM 256QAM	1	1	16.13	16.00	16.05	17.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	18.60	18.74	18.60	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.11	20.57	20.03	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.23	20.66	20.44	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM OPSK	1	1	19.93	20.56	20.15	21.80



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N5 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.04	19.47	19.27	20.80
		1	53	19.52	19.28	19.18	20.80
		1	104	19.26	18.89	19.18	20.80
		50	0	18.87	18.72	18.81	20.30
		50	28	19.14	19.21	19.05	20.80
		50	56	18.83	18.72	18.61	20.30
		100	0	18.68	18.64	18.73	20.30
	DFT-s-OFDM QPSK	1	1	19.16	19.47	19.12	20.80
		1	53	19.40	19.40	19.24	20.80
		1	104	19.01	19.16	18.98	20.80
		50	0	18.39	18.32	18.28	19.80
		50	28	19.32	19.30	19.21	20.80
		50	56	18.32	18.05	18.09	19.80
		100	0	18.06	18.09	18.12	19.80
	DFT-s-OFDM 16QAM	1	1	17.89	17.93	17.94	19.80
	DFT-s-OFDM 64QAM	1	1	16.38	16.50	16.48	18.30
	DFT-s-OFDM 256QAM	1	1	14.93	14.98	15.01	16.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	17.70	17.81	17.69	19.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	19.14	19.63	19.11	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	19.20	19.67	19.41	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM OPSK	1	1	19.03	19.66	19.16	20.80



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N26 DSI 2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
				824	831.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.75	17.43	17.39	19.30
		1	53	17.85	17.72	17.75	19.30
		1	104	17.50	17.43	17.60	19.30
		50	0	17.30	17.23	17.28	18.80
		50	28	17.72	17.71	17.73	19.30
		50	56	17.14	17.37	17.05	18.80
		100	0	17.36	17.25	17.07	18.80
	DFT-s-OFDM QPSK	1	1	17.70	17.65	17.31	19.30
		1	53	17.68	17.68	17.83	19.30
		1	104	17.47	17.41	17.44	19.30
		50	0	16.71	16.58	16.60	18.30
		50	28	17.86	17.66	17.61	19.30
		50	56	16.56	16.70	16.61	18.30
		100	0	16.86	16.59	16.60	18.30
	DFT-s-OFDM 16QAM	1	1	16.41	16.30	16.51	18.30
	DFT-s-OFDM 64QAM	1	1	14.94	14.92	14.93	16.80
	DFT-s-OFDM 256QAM	1	1	13.33	13.46	13.53	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	16.25	16.18	16.28	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	17.53	17.64	17.33	19.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	17.58	17.78	17.62	19.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	17.60	17.47	17.48	19.30



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N26 DSI 3				Conducted Power(dBm)				
SCS 15kHz								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				164800	166300	167800		
				824	831.5	839		
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.35	17.15	17.25	18.80	
		1	53	17.18	17.10	17.11	18.80	
		1	104	17.14	16.99	17.09	18.80	
		50	0	16.96	16.73	16.70	18.30	
		50	28	17.19	17.25	17.06	18.80	
		50	56	16.78	16.83	16.52	18.30	
		100	0	16.91	16.78	16.48	18.30	
	DFT-s-OFDM QPSK	1	1	17.06	17.13	16.95	18.80	
		1	53	17.22	17.11	17.32	18.80	
		1	104	17.00	16.99	17.15	18.80	
		50	0	16.24	16.20	16.33	17.80	
		50	28	17.14	17.23	17.10	18.80	
		50	56	16.34	16.11	16.16	17.80	
		100	0	16.32	16.16	16.15	17.80	
	DFT-s-OFDM 16QAM	1	1	16.00	15.88	15.97	17.80	
	DFT-s-OFDM 64QAM	1	1	14.50	14.38	14.43	16.30	
	DFT-s-OFDM 256QAM	1	1	12.92	13.05	13.04	14.30	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	15.81	15.53	15.69	17.30	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				164300	166300	168300		
15MHz	DFT-s-OFDM QPSK	1	1	17.22	17.13	16.91	18.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				163800	166300	168800		
10MHz	DFT-s-OFDM QPSK	1	1	17.08	17.21	16.91	18.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				163300	166300	169300		
5MHz	DFT-s-OFDM QPSK	1	1	16.98	16.98	16.97	18.80	



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8.4 Conducted Power of NR NSA Antenna (Ant21)

N77 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.03	/	12.20
		1	137	/	11.29	/	12.20
		1	271	/	11.05	/	12.20
		135	0	/	10.59	/	11.70
		135	69	/	11.30	/	12.20
		135	138	/	10.64	/	11.70
		270	0	/	10.41	/	11.70
	DFT-s-OFDM QPSK	1	1	/	10.86	/	12.20
		1	137	/	11.00	/	12.20
		1	271	/	11.08	/	12.20
		135	0	/	10.19	/	11.20
		135	69	/	11.12	/	12.20
		135	138	/	10.22	/	11.20
		270	0	/	10.15	/	11.20
	DFT-s-OFDM 16QAM	1	1	/	9.61	/	11.20
	DFT-s-OFDM 64QAM	1	1	/	8.15	/	9.70
	DFT-s-OFDM 256QAM	1	1	/	6.75	/	7.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.43	/	10.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	10.83	10.86	10.89	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	10.93	10.65	10.74	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	10.75	10.60	10.86	12.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.02	10.82	10.79	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	10.94	10.88	10.72	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.06	10.88	10.84	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	10.93	10.59	10.64	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	10.89	10.78	10.68	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	10.87	10.77	10.63	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	10.87	10.68	11.01	12.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	10.78	10.98	10.70	12.20

N77 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	9.96	/	11.20
		1	137	/	10.13	/	11.20
		1	271	/	10.07	/	11.20
		135	0	/	9.70	/	10.70
		135	69	/	10.38	/	11.20



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				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	9.80	9.75	9.70	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	9.97	9.75	9.76	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	10.02	9.79	9.70	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	9.81	9.65	9.93	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	10.04	9.86	9.73	11.20

N77 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3450–3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.97	/	16.20
		1	137	/	15.22	/	16.20
		1	271	/	14.99	/	16.20
		135	0	/	14.57	/	15.70
		135	69	/	15.36	/	16.20
		135	138	/	14.56	/	15.70
		270	0	/	14.70	/	15.70
	DFT-s-OFDM QPSK	1	1	/	14.97	/	16.20
		1	137	/	15.19	/	16.20
		1	271	/	15.08	/	16.20
		135	0	/	13.98	/	15.20
		135	69	/	15.25	/	16.20
		135	138	/	14.25	/	15.20
		270	0	/	14.19	/	15.20
	DFT-s-OFDM 16QAM	1	1	/	13.52	/	15.20



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	DFT-s-OFDM 64QAM	1	1	/	12.32	/	13.70
	DFT-s-OFDM 256QAM	1	1	/	10.93	/	11.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	13.48	/	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.88	14.78	14.81	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.98	14.80	14.79	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	14.89	14.71	14.94	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.92	14.59	14.70	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	14.78	14.85	14.73	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.06	14.79	14.85	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	14.78	14.78	14.81	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	14.93	14.92	14.73	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.88	14.72	14.82	16.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	14.99	14.76	14.75	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	14.91	14.95	14.68	16.20

N77 DSI 8/9/10				Conducted Power(dBm)				
SCS 30kHz(3450~3550)								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	633334	/		
				/	3500.01	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.50	/	14.70	
		1	137	/	13.79	/	14.70	
		1	271	/	13.62	/	14.70	
		135	0	/	12.97	/	14.20	
		135	69	/	13.73	/	14.70	
		135	138	/	13.29	/	14.20	
		270	0	/	13.01	/	14.20	
	DFT-s-OFDM QPSK	1	1	/	13.46	/	14.70	
		1	137	/	13.78	/	14.70	
		1	271	/	13.57	/	14.70	
		135	0	/	12.61	/	13.70	
		135	69	/	13.77	/	14.70	
		135	138	/	12.60	/	13.70	
		270	0	/	12.74	/	13.70	
	DFT-s-OFDM 16QAM	1	1	/	12.09	/	13.70	
	DFT-s-OFDM 64QAM	1	1	/	10.61	/	12.20	
	DFT-s-OFDM 256QAM	1	1	/	9.35	/	10.20	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	11.93	/	13.20	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				633000	633334	633668		
90MHz	DFT-s-OFDM QPSK	1	1	13.40	13.44	13.36	14.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.45	13.26	13.27	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.38	13.24	13.32	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.44	13.27	13.33	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.43	13.29	13.26	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.64	13.41	13.37	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.31	13.13	13.07	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.32	13.30	13.23	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.53	13.14	13.19	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	13.37	13.08	13.41	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	13.40	13.24	13.30	14.70

N77 DSI 3					Conducted Power(dBm)					
SCS 30kHz(3700–3980)										
Bandwidth	Modulation			Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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		RB size	RB offset	650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	10.00	10.14	10.01	10.00	10.18	10.11	11.20
		1	137	10.20	10.17	10.25	10.32	10.15	9.88	11.20
		1	271	10.07	10.18	10.06	10.05	10.16	10.14	11.20
		135	0	9.77	9.55	9.60	9.43	9.63	9.68	10.70
		135	69	10.35	10.01	10.28	10.21	10.22	10.29	11.20
		135	138	9.80	9.80	9.52	9.78	9.55	9.89	10.70
		270	0	9.73	9.63	9.35	9.65	9.76	9.47	10.70
	DFT-s-OFDM QPSK	1	1	9.86	10.10	10.13	10.20	10.08	10.13	11.20
		1	137	10.06	10.09	10.20	10.14	10.00	9.92	11.20
		1	271	10.06	10.11	10.14	10.09	10.09	10.11	11.20
		135	0	9.13	9.20	9.15	9.11	9.13	9.17	10.20
		135	69	10.40	10.06	10.39	10.19	10.19	10.36	11.20
		135	138	9.23	9.21	9.09	9.09	9.22	9.23	10.20
		270	0	9.08	8.97	9.02	9.20	9.22	8.99	10.20
	DFT-s-OFDM 16QAM	1	1	8.77	8.79	8.75	8.88	8.67	8.68	10.20
	DFT-s-OFDM 64QAM	1	1	7.35	7.28	7.30	7.27	7.21	7.41	8.70
	DFT-s-OFDM 256QAM	1	1	5.88	6.00	5.78	6.04	5.95	5.86	6.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	9.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	649334	652000	654668	657334	660000	662666	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	649001	651800	654601	657401	660200	662999	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	



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60MHz	DFT-s-OFDM QPSK	1	1	9.89	10.15	10.14	9.98	10.24	9.95	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	9.90	10.13	10.08	10.20	10.18	10.01	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	9.81	9.94	10.16	10.14	10.21	9.99	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	9.71	9.91	10.05	10.08	10.15	9.91	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	9.85	9.94	10.10	10.10	10.11	9.99	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	9.68	10.10	10.22	9.93	10.05	10.09	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	9.97	10.02	10.08	10.14	10.15	10.24	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	9.89	9.98	10.15	10.23	10.27	10.14	11.20

N77 DSI 4/5					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.98	15.07	15.02	15.11	15.02	14.99	16.20
		1	137	15.06	15.20	15.26	15.24	15.01	14.89	16.20
		1	271	15.27	15.20	15.13	15.05	15.07	15.23	16.20
		135	0	14.53	14.62	14.67	14.56	14.62	14.74	15.70



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		135	69	15.22	15.23	15.28	15.15	15.15	15.28	16.20
		135	138	14.72	14.92	14.73	14.68	14.47	14.71	15.70
		270	0	14.58	14.55	14.47	14.57	14.88	14.57	15.70
	DFT-s-OFDM QPSK	1	1	14.81	14.83	15.17	15.10	15.12	15.14	16.20
		1	137	15.26	15.15	15.24	15.18	15.16	15.16	16.20
		1	271	15.08	15.08	15.03	15.06	15.08	15.12	16.20
		135	0	14.18	14.24	14.20	14.10	14.16	13.99	15.20
		135	69	15.25	15.15	15.28	15.28	15.14	15.25	16.20
		135	138	14.19	14.27	14.08	14.21	14.11	14.33	15.20
		270	0	14.17	14.11	14.01	14.28	14.24	13.95	15.20
	DFT-s-OFDM 16QAM	1	1	13.69	13.63	13.77	13.80	13.68	13.63	15.20
	DFT-s-OFDM 64QAM	1	1	12.35	12.29	12.26	12.28	12.27	12.31	13.70
	DFT-s-OFDM 256QAM	1	1	10.80	11.00	10.76	10.83	10.83	10.82	11.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	13.42	13.41	13.47	13.48	13.61	13.51	14.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	14.87	15.02	15.06	15.31	15.06	15.04	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	14.99	14.92	15.09	15.05	15.25	14.96	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649001	651800	654601	657401	660200	662999	
70MHz	DFT-s-OFDM QPSK	1	1	14.94	14.82	15.08	15.16	15.19	15.03	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	14.85	15.15	15.06	15.02	15.12	14.89	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	15.04	15.13	15.23	15.04	15.13	15.24	16.20



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	14.87	14.77	15.22	15.06	15.11	15.04	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654332	657666	661000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	14.74	14.78	15.13	15.00	15.22	14.87	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647499	650900	654298	657699	661100	664501	
25MHz	DFT-s-OFDM QPSK	1	1	15.02	14.88	15.29	15.19	14.98	15.06	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647332	650800	654264	657732	661200	664668	
20MHz	DFT-s-OFDM QPSK	1	1	14.75	15.02	15.24	15.10	15.02	15.22	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647165	650700	654230	657765	661300	664835	
15MHz	DFT-s-OFDM QPSK	1	1	14.77	14.85	14.96	15.20	15.20	15.03	16.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				646998	650600	654196	657798	661400	665002	
10MHz	DFT-s-OFDM QPSK	1	1	14.83	14.98	15.17	15.20	15.19	15.07	16.20

N78 PC2 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.34	/	12.00
		1	137	/	11.46	/	12.00
		1	271	/	11.33	/	12.00
		135	0	/	8.28	/	8.50
		135	69	/	11.54	/	12.00
		135	138	/	8.30	/	8.50
		270	0	/	11.08	/	11.50
	DFT-s-OFDM QPSK	1	1	/	11.48	/	12.00
		1	137	/	11.42	/	12.00
		1	271	/	11.42	/	12.00



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		135	0	/	8.39	/	8.50
		135	69	/	11.66	/	12.00
		135	138	/	8.18	/	8.50
		270	0	/	10.62	/	11.00
	DFT-s-OFDM 16QAM	1	1	/	10.24	/	11.00
	DFT-s-OFDM 64QAM	1	1	/	8.82	/	9.50
	DFT-s-OFDM 256QAM	1	1	/	7.26	/	7.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	10.15	/	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.60	11.44	11.45	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.34	11.44	11.31	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	11.61	11.46	11.48	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.59	11.36	11.39	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.37	11.57	11.44	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.45	11.49	11.44	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	11.47	11.49	11.59	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	11.65	11.41	11.30	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.48	11.49	11.37	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	11.69	11.43	11.60	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	11.57	11.47	11.43	12.00

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	9.84	/	10.50
		1	137	/	9.99	/	10.50
		1	271	/	9.87	/	10.50
		135	0	/	6.84	/	7.00
		135	69	/	10.19	/	10.50
		135	138	/	6.65	/	7.00
		270	0	/	9.47	/	10.00
	DFT-s-OFDM QPSK	1	1	/	9.98	/	10.50
		1	137	/	9.84	/	10.50
		1	271	/	9.90	/	10.50
		135	0	/	6.90	/	7.00
		135	69	/	10.19	/	10.50
		135	138	/	6.68	/	7.00
		270	0	/	9.14	/	9.50
	DFT-s-OFDM 16QAM	1	1	/	8.77	/	9.50
	DFT-s-OFDM 64QAM	1	1	/	7.37	/	8.00
	DFT-s-OFDM 256QAM	1	1	/	5.73	/	6.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	8.66	/	9.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	10.08	9.90	9.95	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	9.83	9.99	9.84	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	9.99	10.10	9.90	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	10.14	9.83	9.99	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	9.94	9.88	10.00	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	9.92	10.05	9.93	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	9.99	9.86	10.05	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	10.08	9.98	9.86	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	10.04	10.06	9.98	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	10.20	9.94	10.04	10.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	9.96	10.06	10.02	10.50

N78 PC2 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.43	/	16.00
		1	137	/	15.41	/	16.00
		1	271	/	15.35	/	16.00
		135	0	/	12.33	/	12.50
		135	69	/	15.57	/	16.00
		135	138	/	12.18	/	12.50
		270	0	/	14.95	/	15.50
	DFT-s-OFDM QPSK	1	1	/	15.45	/	16.00
		1	137	/	15.46	/	16.00
		1	271	/	15.30	/	16.00
		135	0	/	12.47	/	12.50
		135	69	/	15.60	/	16.00
		135	138	/	12.18	/	12.50
		270	0	/	14.68	/	15.00
	DFT-s-OFDM 16QAM	1	1	/	14.37	/	15.00
DFT-s-OFDM 64QAM	1	1	/	12.83	/	13.50	
DFT-s-OFDM 256QAM	1	1	/	11.26	/	11.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.19	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.49	15.36	15.40	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	



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80MHz	DFT-s-OFDM QPSK	1	1	15.34	15.39	15.45	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	15.55	15.40	15.53	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.68	15.36	15.47	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.43	15.50	15.43	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.56	15.45	15.37	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.49	15.36	15.56	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.59	15.60	15.39	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.63	15.42	15.36	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	15.52	15.37	15.46	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	15.57	15.46	15.47	16.00

N78 PC2 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	



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100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.85	/	14.50
		1	137	/	13.97	/	14.50
		1	271	/	13.93	/	14.50
		135	0	/	10.92	/	11.00
		135	69	/	14.10	/	14.50
		135	138	/	10.79	/	11.00
		270	0	/	13.45	/	14.00
	DFT-s-OFDM QPSK	1	1	/	13.98	/	14.50
		1	137	/	13.92	/	14.50
		1	271	/	13.84	/	14.50
		135	0	/	10.87	/	11.00
		135	69	/	14.10	/	14.50
		135	138	/	10.75	/	11.00
		270	0	/	13.02	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.77	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	11.35	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.79	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.66	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.02	13.92	13.95	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.85	13.95	13.95	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.91	14.02	14.01	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.04	13.78	13.99	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	



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50MHz	DFT-s-OFDM QPSK	1	1	14.02	14.04	13.90	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	14.08	13.98	13.86	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.97	13.96	13.96	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	14.19	13.93	13.92	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.07	14.07	13.88	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	14.03	14.08	13.94	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	14.00	13.93	13.98	14.50

N78 PC2 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	10.80	/	12.00
		1	137	/	11.08	/	12.00
		1	271	/	11.01	/	12.00
		135	0	/	8.20	/	8.50
		135	69	/	11.82	/	12.00
		135	138	/	8.22	/	8.50
		270	0	/	11.10	/	11.50
	DFT-s-OFDM QPSK	1	1	/	10.87	/	12.00
		1	137	/	11.04	/	12.00
		1	271	/	11.04	/	12.00



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				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	10.74	10.70	10.73	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	10.84	10.66	10.85	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	10.89	10.63	10.68	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	10.77	10.67	10.73	12.00

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	9.31	/	10.50
		1	137	/	9.61	/	10.50
		1	271	/	9.52	/	10.50
		135	0	/	6.55	/	7.00
		135	69	/	10.35	/	10.50
		135	138	/	6.72	/	7.00
		270	0	/	9.47	/	10.00
	DFT-s-OFDM QPSK	1	1	/	9.34	/	10.50
		1	137	/	9.58	/	10.50
		1	271	/	9.48	/	10.50
		135	0	/	6.55	/	7.00
		135	69	/	10.16	/	10.50
		135	138	/	6.63	/	7.00
		270	0	/	9.03	/	9.50
	DFT-s-OFDM 16QAM	1	1	/	8.91	/	9.50
	DFT-s-OFDM 64QAM	1	1	/	7.00	/	8.00
	DFT-s-OFDM 256QAM	1	1	/	5.65	/	6.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	8.33	/	9.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	9.28	9.24	9.32	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	9.26	9.32	9.33	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	9.21	9.36	9.19	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	9.39	9.07	9.28	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	9.20	9.21	9.20	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	9.26	9.35	9.23	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	9.40	9.15	9.37	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	9.22	9.17	9.29	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	9.37	9.17	9.45	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	9.31	9.11	9.20	10.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	9.31	9.15	9.32	10.50

N78 PC2 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.85	/	16.00
		1	137	/	15.13	/	16.00
		1	271	/	15.02	/	16.00
		135	0	/	12.14	/	12.50
		135	69	/	15.84	/	16.00
		135	138	/	12.21	/	12.50
		270	0	/	14.97	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.93	/	16.00
		1	137	/	15.09	/	16.00
		1	271	/	15.08	/	16.00
		135	0	/	12.06	/	12.50
		135	69	/	15.77	/	16.00
		135	138	/	12.14	/	12.50
		270	0	/	14.69	/	15.00
	DFT-s-OFDM 16QAM	1	1	/	14.33	/	15.00
	DFT-s-OFDM 64QAM	1	1	/	12.67	/	13.50
	DFT-s-OFDM 256QAM	1	1	/	11.13	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	13.82	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	14.75	14.72	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	



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80MHz	DFT-s-OFDM QPSK	1	1	14.72	14.86	14.84	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	14.70	14.89	14.76	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	14.89	14.60	14.87	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	14.62	14.69	14.65	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	14.72	14.82	14.84	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	14.97	14.67	14.84	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	14.75	14.65	14.83	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	14.83	14.62	14.97	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	14.84	14.64	14.70	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	14.91	14.66	14.82	16.00

N78 PC2 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	



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100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.39	/	14.50
		1	137	/	13.61	/	14.50
		1	271	/	13.56	/	14.50
		135	0	/	10.64	/	11.00
		135	69	/	14.35	/	14.50
		135	138	/	10.78	/	11.00
		270	0	/	13.46	/	14.00
	DFT-s-OFDM QPSK	1	1	/	13.31	/	14.50
		1	137	/	13.55	/	14.50
		1	271	/	13.54	/	14.50
		135	0	/	10.51	/	11.00
		135	69	/	14.21	/	14.50
		135	138	/	10.68	/	11.00
		270	0	/	13.15	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.82	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	10.98	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.65	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.29	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.33	13.15	13.35	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.15	13.22	13.47	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.14	13.30	13.27	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.45	13.18	13.18	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	



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50MHz	DFT-s-OFDM QPSK	1	1	13.19	13.13	13.23	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.29	13.36	13.22	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.53	13.28	13.37	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.14	13.21	13.28	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.33	13.14	13.39	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	13.34	13.01	13.26	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	13.34	13.04	13.37	14.50



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N78 PC3 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450–3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.19	/	12.00
		1	137	/	11.21	/	12.00
		1	271	/	11.12	/	12.00
		135	0	/	10.27	/	11.50
		135	69	/	11.29	/	12.00
		135	138	/	10.08	/	11.50
		270	0	/	10.78	/	11.50
	DFT-s-OFDM QPSK	1	1	/	11.26	/	12.00
		1	137	/	11.25	/	12.00
		1	271	/	11.02	/	12.00
		135	0	/	10.32	/	11.00
		135	69	/	11.38	/	12.00
		135	138	/	10.30	/	11.00
		270	0	/	10.35	/	11.00
	DFT-s-OFDM 16QAM	1	1	/	10.10	/	11.00
	DFT-s-OFDM 64QAM	1	1	/	8.65	/	9.50
	DFT-s-OFDM 256QAM	1	1	/	6.98	/	7.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.53	/	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	10.98	10.93	11.16	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	10.94	11.15	11.12	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	10.82	10.94	11.11	12.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	10.98	11.04	10.87	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.08	11.08	11.05	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	10.99	10.85	11.04	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	11.19	10.84	11.13	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	11.14	10.80	11.11	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	10.95	10.90	11.13	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	10.92	10.93	11.11	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	10.92	10.96	11.18	12.00

N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	9.80	/	10.50
		1	137	/	9.71	/	10.50
		1	271	/	9.66	/	10.50
		135	0	/	8.70	/	10.00
		135	69	/	9.73	/	10.50



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		135	138	/	8.71	/	10.00
		270	0	/	9.32	/	10.00
		DFT-s-OFDM QPSK	1	1	/	9.74	/
	1		137	/	9.68	/	10.50
	1		271	/	9.51	/	10.50
	135		0	/	8.77	/	9.50
	135		69	/	9.77	/	10.50
	135		138	/	8.70	/	9.50
	270		0	/	8.75	/	9.50
	DFT-s-OFDM 16QAM		1	1	/	8.51	/
	DFT-s-OFDM 64QAM	1	1	/	7.12	/	8.00
	DFT-s-OFDM 256QAM	1	1	/	5.55	/	6.00
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
/					633334	/	
100MHz	CP-OFDM QPSK	1	1	/	8.10	/	9.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	9.43	9.38	9.52	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	9.53	9.60	9.63	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	9.35	9.39	9.51	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	9.58	9.58	9.56	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	9.52	9.50	9.52	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	9.62	9.38	9.51	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	9.68	9.35	9.58	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	9.60	9.37	9.65	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	9.51	9.48	9.65	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	9.46	9.52	9.54	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	9.54	9.52	9.55	10.50

N78 PC3 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.20	/	16.00
		1	137	/	15.09	/	16.00
		1	271	/	15.10	/	16.00
		135	0	/	14.18	/	15.50
		135	69	/	15.30	/	16.00
		135	138	/	14.20	/	15.50
		270	0	/	14.80	/	15.50
	DFT-s-OFDM QPSK	1	1	/	15.19	/	16.00
		1	137	/	15.20	/	16.00
		1	271	/	15.08	/	16.00
		135	0	/	14.34	/	15.00
		135	69	/	15.35	/	16.00
		135	138	/	14.20	/	15.00
		270	0	/	14.29	/	15.00
	DFT-s-OFDM 16QAM	1	1	/	13.96	/	15.00



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	DFT-s-OFDM 64QAM	1	1	/	12.59	/	13.50
	DFT-s-OFDM 256QAM	1	1	/	11.04	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	13.59	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.90	15.08	15.04	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.99	15.08	15.14	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	14.85	14.89	15.01	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.08	15.00	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.02	15.13	15.02	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.09	14.97	15.00	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.09	14.81	14.98	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.09	14.90	15.10	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.98	14.91	15.21	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	14.94	15.00	15.06	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	14.92	15.03	15.01	16.00

N78 PC3 DSI 8/9/10				Conducted Power(dBm)				
SCS 30kHz(3450~3550)								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	633334	/		
				/	3500.01	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.70	/	14.50	
		1	137	/	13.75	/	14.50	
		1	271	/	13.62	/	14.50	
		135	0	/	12.79	/	14.00	
		135	69	/	13.71	/	14.50	
		135	138	/	12.80	/	14.00	
		270	0	/	13.36	/	14.00	
	DFT-s-OFDM QPSK	1	1	/	13.62	/	14.50	
		1	137	/	13.77	/	14.50	
		1	271	/	13.51	/	14.50	
		135	0	/	12.84	/	13.50	
		135	69	/	13.92	/	14.50	
		135	138	/	12.79	/	13.50	
		270	0	/	12.76	/	13.50	
	DFT-s-OFDM 16QAM	1	1	/	12.54	/	13.50	
	DFT-s-OFDM 64QAM	1	1	/	11.14	/	12.00	
	DFT-s-OFDM 256QAM	1	1	/	9.47	/	10.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.03	/	13.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				633000	633334	633668		
90MHz	DFT-s-OFDM QPSK	1	1	13.55	13.36	13.49	14.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	



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				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.53	13.53	13.55	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.52	13.34	13.66	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.57	13.51	13.51	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.53	13.57	13.60	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.61	13.38	13.52	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.67	13.46	13.61	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	13.49	13.47	13.74	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.58	13.44	13.61	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	13.32	13.44	13.46	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	13.48	13.50	13.65	14.50

N78 PC3 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	



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50MHz	DFT-s-OFDM QPSK	1	1	10.94	10.95	10.98	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	10.96	11.12	10.92	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	11.02	11.02	11.08	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	10.97	11.03	11.08	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	10.85	11.13	11.01	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	10.89	10.93	10.98	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	10.91	11.01	10.83	12.00

N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	9.75	/	10.50
		1	137	/	9.64	/	10.50
		1	271	/	9.68	/	10.50
		135	0	/	8.70	/	10.00
		135	69	/	9.86	/	10.50
		135	138	/	8.69	/	10.00
		270	0	/	9.26	/	10.00
	DFT-s-OFDM QPSK	1	1	/	9.72	/	10.50
		1	137	/	9.75	/	10.50
		1	271	/	9.64	/	10.50



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25MHz	DFT-s-OFDM QPSK	1	1	9.42	9.50	9.45	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	9.32	9.55	9.48	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	9.49	9.48	9.54	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	9.54	9.46	9.48	10.50



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N78 PC3 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.23	/	16.00
		1	137	/	15.11	/	16.00
		1	271	/	15.22	/	16.00
		135	0	/	14.15	/	15.50
		135	69	/	15.23	/	16.00
		135	138	/	14.11	/	15.50
		270	0	/	14.85	/	15.50
	DFT-s-OFDM QPSK	1	1	/	15.24	/	16.00
		1	137	/	15.27	/	16.00
		1	271	/	15.03	/	16.00
		135	0	/	14.43	/	15.00
		135	69	/	15.38	/	16.00
		135	138	/	14.20	/	15.00
		270	0	/	14.50	/	15.00
	DFT-s-OFDM 16QAM	1	1	/	13.88	/	15.00
	DFT-s-OFDM 64QAM	1	1	/	12.54	/	13.50
	DFT-s-OFDM 256QAM	1	1	/	10.95	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	13.57	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	14.95	15.12	14.97	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.02	15.06	14.94	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.04	15.04	14.85	16.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	14.96	15.14	14.92	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	14.84	15.04	14.88	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.00	15.01	14.93	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	14.98	15.01	15.09	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	14.82	15.18	14.97	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	14.92	15.10	14.92	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	14.95	15.05	15.13	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	14.96	15.00	14.95	16.00



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N78 PC3 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.71	/	14.50
		1	137	/	13.69	/	14.50
		1	271	/	13.65	/	14.50
		135	0	/	12.58	/	14.00
		135	69	/	13.68	/	14.50
		135	138	/	12.69	/	14.00
		270	0	/	13.29	/	14.00
	DFT-s-OFDM QPSK	1	1	/	13.73	/	14.50
		1	137	/	13.80	/	14.50
		1	271	/	13.56	/	14.50
		135	0	/	12.96	/	13.50
		135	69	/	13.95	/	14.50
		135	138	/	12.61	/	13.50
		270	0	/	12.87	/	13.50
	DFT-s-OFDM 16QAM	1	1	/	12.46	/	13.50
	DFT-s-OFDM 64QAM	1	1	/	11.18	/	12.00
	DFT-s-OFDM 256QAM	1	1	/	9.42	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	11.96	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	13.40	13.42	13.44	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.59	13.49	13.49	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	13.48	13.60	13.44	14.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.51	13.59	13.42	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	13.29	13.61	13.52	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.54	13.52	13.35	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.45	13.50	13.55	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	13.42	13.55	13.40	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	13.39	13.60	13.39	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	13.50	13.44	13.58	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	13.50	13.53	13.44	14.50



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8.5 Conducted Power of NR NSA Antenna (Ant23)

N77 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.16	/	13.90
		1	137	/	12.36	/	13.90
		1	271	/	12.19	/	13.90
		135	0	/	11.92	/	13.40
		135	69	/	12.39	/	13.90
		135	138	/	11.81	/	13.40
		270	0	/	11.90	/	13.40
	DFT-s-OFDM QPSK	1	1	/	12.23	/	13.90
		1	137	/	12.17	/	13.90
		1	271	/	12.39	/	13.90
		135	0	/	11.39	/	12.90
		135	69	/	12.39	/	13.90
		135	138	/	11.44	/	12.90
		270	0	/	11.32	/	12.90
	DFT-s-OFDM 16QAM	1	1	/	12.30	/	12.90
	DFT-s-OFDM 64QAM	1	1	/	9.92	/	11.40
	DFT-s-OFDM 256QAM	1	1	/	8.09	/	9.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	10.69	/	12.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.31	12.45	12.48	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.60	12.58	12.55	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	12.43	12.45	12.42	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	



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60MHz	DFT-s-OFDM QPSK	1	1	12.36	12.23	12.39	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.46	12.36	12.50	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.53	12.53	12.48	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	12.67	12.26	12.52	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	12.54	12.39	12.42	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.34	12.20	12.34	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	12.45	12.50	12.54	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	12.50	12.48	12.27	13.90

N77 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.25	/	12.90
		1	137	/	11.40	/	12.90
		1	271	/	11.37	/	12.90
		135	0	/	10.82	/	12.40
		135	69	/	11.45	/	12.90
		135	138	/	10.96	/	12.40
		270	0	/	10.88	/	12.40
	DFT-s-OFDM QPSK	1	1	/	11.21	/	12.90
		1	137	/	11.22	/	12.90
		1	271	/	11.32	/	12.90



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		135	0	/	10.33	/	11.90
		135	69	/	11.31	/	12.90
		135	138	/	10.46	/	11.90
		270	0	/	10.42	/	11.90
	DFT-s-OFDM 16QAM	1	1	/	11.40	/	11.90
	DFT-s-OFDM 64QAM	1	1	/	8.98	/	10.40
	DFT-s-OFDM 256QAM	1	1	/	7.03	/	8.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.54	/	11.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.45	11.38	11.59	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.51	11.50	11.66	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	11.44	11.36	11.59	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.39	11.25	11.49	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.47	11.50	11.53	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.50	11.37	11.52	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	11.58	11.15	11.43	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	



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25MHz	DFT-s-OFDM QPSK	1	1	11.44	11.54	11.32	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.27	11.27	11.48	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	11.52	11.57	11.33	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	11.48	11.34	11.49	12.90

N77 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.61	/	17.40
		1	137	/	15.61	/	17.40
		1	271	/	15.69	/	17.40
		135	0	/	15.34	/	16.90
		135	69	/	15.58	/	17.40
		135	138	/	15.16	/	16.90
		270	0	/	15.33	/	16.90
	DFT-s-OFDM QPSK	1	1	/	15.54	/	17.40
		1	137	/	15.73	/	17.40
		1	271	/	15.74	/	17.40
		135	0	/	14.85	/	16.40
		135	69	/	15.58	/	17.40
		135	138	/	14.88	/	16.40
		270	0	/	14.61	/	16.40
	DFT-s-OFDM 16QAM	1	1	/	15.85	/	16.40
	DFT-s-OFDM 64QAM	1	1	/	13.57	/	14.90
	DFT-s-OFDM 256QAM	1	1	/	11.67	/	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.17	/	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	



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90MHz	DFT-s-OFDM QPSK	1	1	15.89	15.84	15.91	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 632668	Channel 633334	Channel 634000	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	16.04	16.07	16.06	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 632334	Channel 633334	Channel 634334	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	15.93	15.93	15.90	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.86	15.87	15.90	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.99	16.01	16.11	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.95	15.87	16.03	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	15.95	15.71	16.04	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 630834	Channel 633334	Channel 635833	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.15	15.91	15.83	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.69	15.87	15.84	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 630501	Channel 633334	Channel 636167	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.91	16.17	15.84	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.06	16.02	15.72	17.40



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N77 DSI 8/9/10				Conducted Power(dBm)				
SCS 30kHz(3450~3550)								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	633334	/		
				/	3500.01	/		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.64	/	16.40	
		1	137	/	14.64	/	16.40	
		1	271	/	14.63	/	16.40	
		135	0	/	14.33	/	15.90	
		135	69	/	14.76	/	16.40	
		135	138	/	14.27	/	15.90	
		270	0	/	14.27	/	15.90	
	DFT-s-OFDM QPSK	1	1	/	14.52	/	16.40	
		1	137	/	14.55	/	16.40	
		1	271	/	14.61	/	16.40	
		135	0	/	13.90	/	15.40	
		135	69	/	14.75	/	16.40	
		135	138	/	13.75	/	15.40	
		270	0	/	13.69	/	15.40	
	DFT-s-OFDM 16QAM	1	1	/	14.74	/	15.40	
	DFT-s-OFDM 64QAM	1	1	/	12.40	/	13.90	
	DFT-s-OFDM 256QAM	1	1	/	10.53	/	11.90	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					/	633334	/	
	100MHz	CP-OFDM QPSK	1	1	/	13.05	/	14.90
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
633000					633334	633668		
90MHz	DFT-s-OFDM QPSK	1	1	14.90	14.79	14.95	16.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				632668	633334	634000		
80MHz	DFT-s-OFDM QPSK	1	1	15.09	14.95	15.02	16.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				632334	633334	634334		
70MHz	DFT-s-OFDM QPSK	1	1	14.81	14.93	14.88	16.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				632000	633334	634668		
60MHz	DFT-s-OFDM QPSK	1	1	14.88	14.69	14.81	16.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	



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				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	14.83	14.70	14.91	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	14.93	14.90	15.09	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.14	14.81	14.99	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	15.12	14.87	14.82	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.88	14.81	14.95	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630501	633334	636167	
15MHz	DFT-s-OFDM QPSK	1	1	14.95	15.04	14.90	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	15.07	14.96	15.01	16.40

N77 DSI 4/5					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
				3750.00	3786.00	3822.00	3858.00	3894.00	3930.00	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.11	15.96	15.96	15.83	15.78	15.70	17.40
		1	137	15.96	16.08	16.00	15.92	15.81	15.88	17.40
		1	271	15.79	15.82	15.75	15.82	15.56	15.57	17.40
		135	0	15.68	15.65	15.62	15.68	15.49	15.40	16.90
		135	69	15.94	15.95	15.98	15.99	15.72	15.92	17.40
		135	138	15.23	15.37	15.30	15.36	15.44	15.22	16.90
		270	0	15.44	15.39	15.45	15.45	15.21	15.44	16.90
	DFT-s-OFDM QPSK	1	1	16.01	15.95	15.93	15.96	15.86	15.79	17.40
		1	137	16.01	15.97	15.97	16.07	15.91	15.88	17.40
		1	271	15.66	15.67	15.66	15.71	15.49	15.72	17.40
		135	0	15.18	15.02	15.15	15.07	15.04	14.92	16.40
		135	69	15.97	16.08	16.02	16.09	15.81	15.89	17.40
		135	138	14.94	14.71	14.91	14.90	14.74	14.73	16.40
		270	0	15.08	14.76	15.07	15.05	14.79	14.81	16.40



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	DFT-s-OFDM 16QAM	1	1	14.69	14.67	14.66	14.74	14.40	14.65	16.40
	DFT-s-OFDM 64QAM	1	1	13.27	13.38	13.37	13.40	13.17	13.00	14.90
	DFT-s-OFDM 256QAM	1	1	11.73	11.75	11.96	11.84	11.78	11.70	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	14.58	14.70	14.60	14.37	14.33	14.33	15.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	15.94	15.96	15.82	15.87	15.77	15.59	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	16.02	16.12	16.07	16.00	15.77	15.68	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	15.90	16.02	15.90	16.05	15.80	15.49	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	16.04	15.90	16.02	15.98	15.90	15.53	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	16.14	15.96	15.96	15.91	15.83	15.73	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.85	15.90	16.06	15.95	15.75	15.86	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.03	15.91	15.81	16.04	15.81	15.81	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.02	16.20	16.11	15.85	15.93	15.60	17.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up



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20MHz	DFT-s-OFDM QPSK	1	1	16.10	16.01	15.93	15.89	15.65	15.81	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 647165	Channel 650700	Channel 654230	Channel 657765	Channel 661300	Channel 664835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.07	15.88	15.91	15.81	15.90	15.89	17.40
Bandwidth	Modulation	RB size	RB offset	Channel 646998	Channel 650600	Channel 654196	Channel 657798	Channel 661400	Channel 665002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.95	15.77	16.05	15.94	15.81	15.70	17.40

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	10.48	/	11.90
		1	137	/	10.51	/	11.90
		1	271	/	10.25	/	11.90
		135	0	/	7.34	/	8.40
		135	69	/	10.68	/	11.90
		135	138	/	7.23	/	8.40
		270	0	/	10.15	/	11.40
	DFT-s-OFDM QPSK	1	1	/	10.55	/	11.90
		1	137	/	10.54	/	11.90
		1	271	/	10.22	/	11.90
		135	0	/	7.18	/	8.40
		135	69	/	10.66	/	11.90
		135	138	/	7.26	/	8.40
		270	0	/	9.64	/	10.90
	DFT-s-OFDM 16QAM	1	1	/	9.28	/	10.90
	DFT-s-OFDM 64QAM	1	1	/	7.86	/	9.40
	DFT-s-OFDM 256QAM	1	1	/	6.43	/	7.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.17	/	10.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	10.56	10.41	10.37	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	



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80MHz	DFT-s-OFDM QPSK	1	1	10.64	10.54	10.27	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	10.55	10.57	10.27	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	10.70	10.49	10.37	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	10.77	10.39	10.25	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	10.70	10.51	10.27	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	10.56	10.61	10.40	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	10.62	10.48	10.49	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	10.59	10.71	10.40	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	10.53	10.57	10.35	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	10.69	10.62	10.34	11.90

N78 PC2 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz		1	1	/	13.94	/	15.40



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	DFT-s-OFDM PI/2 BPSK	1	137	/	14.08	/	15.40
		1	271	/	13.65	/	15.40
		135	0	/	10.83	/	11.90
		135	69	/	14.28	/	15.40
		135	138	/	10.73	/	11.90
		270	0	/	13.52	/	14.90
	DFT-s-OFDM QPSK	1	1	/	13.88	/	15.40
		1	137	/	14.03	/	15.40
		1	271	/	13.73	/	15.40
		135	0	/	10.80	/	11.90
		135	69	/	14.13	/	15.40
		135	138	/	10.71	/	11.90
		270	0	/	13.22	/	14.40
	DFT-s-OFDM 16QAM	1	1	/	12.79	/	14.40
	DFT-s-OFDM 64QAM	1	1	/	11.44	/	12.90
	DFT-s-OFDM 256QAM	1	1	/	10.10	/	10.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.65	/	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.10	14.00	13.97	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.16	13.86	13.82	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.98	14.07	13.85	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.15	14.13	13.93	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	14.20	13.96	13.77	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	



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40MHz	DFT-s-OFDM QPSK	1	1	14.15	14.07	13.82	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	14.12	14.24	13.96	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	14.14	14.02	13.92	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.16	14.23	13.94	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	14.07	14.22	13.85	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	14.10	14.06	13.77	15.40

N78 PC2 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.62	/	12.90
		1	137	/	11.78	/	12.90
		1	271	/	11.35	/	12.90
		135	0	/	8.60	/	9.40
		135	69	/	11.95	/	12.90
		135	138	/	8.58	/	9.40
		270	0	/	11.31	/	12.40
	DFT-s-OFDM QPSK	1	1	/	11.81	/	12.90
		1	137	/	11.77	/	12.90
		1	271	/	11.51	/	12.90
		135	0	/	8.47	/	9.40
		135	69	/	11.94	/	12.90
		135	138	/	8.61	/	9.40
		270	0	/	10.82	/	11.90
	DFT-s-OFDM 16QAM	1	1	/	10.69	/	11.90
DFT-s-OFDM 64QAM	1	1	/	9.03	/	10.40	



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	DFT-s-OFDM 256QAM	1	1	/	7.71	/	8.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	10.46	/	11.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	11.62	11.52	11.69	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	11.70	11.54	11.70	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	11.59	11.51	11.52	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	11.64	11.74	11.90	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	11.44	11.75	11.79	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	11.53	11.50	11.67	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	11.84	11.56	11.75	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	11.50	11.73	11.66	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	11.71	11.57	11.52	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	



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15MHz	DFT-s-OFDM QPSK	1	1	11.60	11.65	11.60	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	11.75	11.52	11.51	12.90

N78 PC2 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	10.69	/	11.90
		1	137	/	10.78	/	11.90
		1	271	/	10.48	/	11.90
		135	0	/	7.61	/	8.40
		135	69	/	10.92	/	11.90
		135	138	/	7.61	/	8.40
		270	0	/	10.32	/	11.40
	DFT-s-OFDM QPSK	1	1	/	10.79	/	11.90
		1	137	/	10.72	/	11.90
		1	271	/	10.58	/	11.90
		135	0	/	7.51	/	8.40
		135	69	/	10.81	/	11.90
		135	138	/	7.61	/	8.40
		270	0	/	9.76	/	10.90
	DFT-s-OFDM 16QAM	1	1	/	9.56	/	10.90
	DFT-s-OFDM 64QAM	1	1	/	8.06	/	9.40
	DFT-s-OFDM 256QAM	1	1	/	6.77	/	7.40
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
/					650000	/	
100MHz	CP-OFDM QPSK	1	1	/	9.53	/	10.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	10.53	10.55	10.73	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	10.78	10.50	10.83	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	



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70MHz	DFT-s-OFDM QPSK	1	1	10.43	10.53	10.61	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	10.71	10.67	10.83	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	10.61	10.54	10.83	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	10.52	10.59	10.61	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	10.69	10.67	10.85	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630834	633334	635833	
25MHz	DFT-s-OFDM QPSK	1	1	10.55	10.68	10.82	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	10.62	10.53	10.51	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	10.50	10.78	10.62	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	10.69	10.57	10.49	11.90

N78 PC2 DSI 4/5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.74	/	16.90
		1	137	/	15.78	/	16.90
		1	271	/	15.44	/	16.90
		135	0	/	12.63	/	13.40
		135	69	/	15.99	/	16.90
		135	138	/	12.57	/	13.40



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		270	0	/	15.29	/	16.40
	DFT-s-OFDM QPSK	1	1	/	15.74	/	16.90
		1	137	/	15.68	/	16.90
		1	271	/	15.53	/	16.90
		135	0	/	12.48	/	13.40
		135	69	/	15.92	/	16.90
		135	138	/	12.60	/	13.40
		270	0	/	14.93	/	15.90
	DFT-s-OFDM 16QAM	1	1	/	14.51	/	15.90
	DFT-s-OFDM 64QAM	1	1	/	13.06	/	14.40
	DFT-s-OFDM 256QAM	1	1	/	11.85	/	12.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.42	/	15.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	15.59	15.61	15.66	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.68	15.44	15.84	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.52	15.65	15.64	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.59	15.64	15.78	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	15.52	15.63	15.83	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.59	15.57	15.72	16.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	



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30MHz	DFT-s-OFDM QPSK	1	1	15.81	15.62	15.75	16.90
Bandwidth	Modulation	RB size	RB offset	Channel 630834	Channel 633334	Channel 635833	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	15.51	15.63	15.75	16.90
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.76	15.56	15.67	16.90
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.55	15.65	15.69	16.90
Bandwidth	Modulation	RB size	RB offset	Channel 646666	Channel 650000	Channel 653336	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.74	15.48	15.65	16.90

N78 PC2 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.20	/	15.40
		1	137	/	14.31	/	15.40
		1	271	/	13.89	/	15.40
		135	0	/	11.14	/	11.90
		135	69	/	14.42	/	15.40
		135	138	/	11.01	/	11.90
		270	0	/	13.79	/	14.90
	DFT-s-OFDM QPSK	1	1	/	14.31	/	15.40
		1	137	/	14.16	/	15.40
		1	271	/	14.09	/	15.40
		135	0	/	10.88	/	11.90
		135	69	/	14.46	/	15.40
		135	138	/	11.15	/	11.90
		270	0	/	13.33	/	14.40
	DFT-s-OFDM 16QAM	1	1	/	13.02	/	14.40
	DFT-s-OFDM 64QAM	1	1	/	11.55	/	12.90
	DFT-s-OFDM 256QAM	1	1	/	10.33	/	10.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	



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100MHz	CP-OFDM QPSK	1	1	/	13.05	/	13.90
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 650000	Channel 650334	Tune up
90MHz	DFT-s- OFDM QPSK	1	1	14.12	14.03	14.27	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 650000	Channel 650668	Tune up
80MHz	DFT-s- OFDM QPSK	1	1	14.17	13.99	14.27	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 650000	Channel 651000	Tune up
70MHz	DFT-s- OFDM QPSK	1	1	14.13	13.98	14.03	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 650000	Channel 651334	Tune up
60MHz	DFT-s- OFDM QPSK	1	1	13.99	14.23	14.33	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s- OFDM QPSK	1	1	13.99	14.08	14.28	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s- OFDM QPSK	1	1	14.01	14.09	14.10	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s- OFDM QPSK	1	1	14.27	14.14	14.36	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 630834	Channel 633334	Channel 635833	Tune up
25MHz	DFT-s- OFDM QPSK	1	1	13.97	14.22	14.34	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s- OFDM QPSK	1	1	14.22	14.07	14.08	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
15MHz	DFT-s- OFDM QPSK	1	1	13.97	14.24	14.19	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 646666	Channel 650000	Channel 653336	Tune up



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10MHz	DFT-s-OFDM QPSK	1	1	14.22	14.03	14.03	15.40
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N78 PC3 DSI 2				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.72	/	12.90
		1	137	/	11.80	/	12.90
		1	271	/	11.43	/	12.90
		135	0	/	11.57	/	12.40
		135	69	/	11.84	/	12.90
		135	138	/	11.49	/	12.40
		270	0	/	11.21	/	12.40
	DFT-s-OFDM QPSK	1	1	/	11.71	/	12.90
		1	137	/	11.62	/	12.90
		1	271	/	11.49	/	12.90
		135	0	/	11.03	/	11.90
		135	69	/	11.86	/	12.90
		135	138	/	11.06	/	11.90
		270	0	/	10.84	/	11.90
	DFT-s-OFDM 16QAM	1	1	/	10.64	/	11.90
	DFT-s-OFDM 64QAM	1	1	/	9.05	/	10.40
	DFT-s-OFDM 256QAM	1	1	/	7.85	/	8.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	10.50	/	11.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	11.91	11.95	11.87	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	11.87	11.89	11.93	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	11.96	11.94	11.95	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	



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60MHz	DFT-s-OFDM QPSK	1	1	11.83	11.83	12.05	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	11.87	11.97	11.89	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	11.84	11.86	11.86	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	11.84	11.89	11.94	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	11.95	11.87	11.81	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	11.83	11.96	11.89	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	11.94	11.94	11.83	12.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	11.78	11.77	12.14	12.90

N78 PC3 DSI 3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	10.66	/	11.90
		1	137	/	10.81	/	11.90
		1	271	/	10.42	/	11.90
		135	0	/	10.57	/	11.40
		135	69	/	11.01	/	11.90
		135	138	/	10.52	/	11.40
		270	0	/	10.19	/	11.40
	DFT-s-OFDM QPSK	1	1	/	10.89	/	11.90
		1	137	/	10.72	/	11.90
		1	271	/	10.62	/	11.90



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		135	0	/	10.16	/	10.90
		135	69	/	10.75	/	11.90
		135	138	/	9.94	/	10.90
		270	0	/	9.77	/	10.90
	DFT-s-OFDM 16QAM	1	1	/	9.56	/	10.90
	DFT-s-OFDM 64QAM	1	1	/	8.21	/	9.40
	DFT-s-OFDM 256QAM	1	1	/	6.85	/	7.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	9.46	/	10.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	10.81	10.93	10.86	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	10.71	10.92	10.86	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	10.95	10.93	10.92	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	11.00	10.89	11.06	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	10.83	10.98	10.86	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	10.87	10.85	10.89	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	10.94	10.77	10.92	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	



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25MHz	DFT-s-OFDM QPSK	1	1	11.09	10.72	10.82	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	10.72	11.02	10.92	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647167	650000	652835	
15MHz	DFT-s-OFDM QPSK	1	1	11.00	10.85	10.90	11.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
10MHz	DFT-s-OFDM QPSK	1	1	10.83	10.81	11.04	11.90

N78 PC3 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.21	/	15.40
		1	137	/	14.27	/	15.40
		1	271	/	13.93	/	15.40
		135	0	/	14.20	/	14.90
		135	69	/	14.42	/	15.40
		135	138	/	14.05	/	14.90
		270	0	/	13.81	/	14.90
	DFT-s-OFDM QPSK	1	1	/	14.33	/	15.40
		1	137	/	14.33	/	15.40
		1	271	/	14.10	/	15.40
		135	0	/	13.72	/	14.40
		135	69	/	14.33	/	15.40
		135	138	/	13.49	/	14.40
		270	0	/	13.27	/	14.40
	DFT-s-OFDM 16QAM	1	1	/	13.05	/	14.40
	DFT-s-OFDM 64QAM	1	1	/	11.71	/	12.90
	DFT-s-OFDM 256QAM	1	1	/	10.32	/	10.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	13.05	/	13.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	



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90MHz	DFT-s-OFDM QPSK	1	1	14.27	14.46	14.34	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 650000	Channel 650668	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	14.31	14.41	14.34	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 650000	Channel 651000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	14.54	14.47	14.46	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 650000	Channel 651334	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	14.35	14.38	14.51	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	14.37	14.45	14.34	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	14.35	14.23	14.40	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	14.37	14.44	14.43	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647501	Channel 650000	Channel 652501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	14.55	14.45	14.31	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	14.23	14.52	14.40	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647167	Channel 650000	Channel 652835	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	14.48	14.36	14.37	15.40
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	14.38	14.19	14.60	15.40



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8.6 Conducted Power of NR NSA Antenna (Ant31)

N2 DSI 2/3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.06	20.31	20.19	21.00
		1	53	20.28	20.16	20.07	21.00
		1	104	20.25	20.17	20.01	21.00
		50	0	19.57	19.74	19.65	20.50
		50	28	20.12	20.09	20.11	21.00
		50	56	19.59	19.63	19.66	20.50
		100	0	19.60	19.72	19.49	20.50
	DFT-s-OFDM QPSK	1	1	19.94	20.20	20.13	21.00
		1	53	20.30	20.21	20.09	21.00
		1	104	20.15	20.12	20.10	21.00
		50	0	19.18	19.24	19.13	20.00
		50	28	20.05	20.17	19.97	21.00
		50	56	19.20	19.27	19.20	20.00
		100	0	19.11	19.17	19.00	20.00
	DFT-s-OFDM 16QAM	1	1	18.88	18.75	18.73	20.00
	DFT-s-OFDM 64QAM	1	1	17.23	17.38	17.11	18.50
	DFT-s-OFDM 256QAM	1	1	16.00	16.07	15.86	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	18.68	18.52	18.63	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	20.05	20.39	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	20.05	20.11	20.24	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	20.00	20.30	20.09	21.00



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N2 DSI 4/5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.46	17.89	17.70	18.50
		1	53	17.82	17.67	17.61	18.50
		1	104	17.80	17.68	17.53	18.50
		50	0	17.11	17.16	16.95	18.00
		50	28	17.52	17.52	17.49	18.50
		50	56	17.08	17.15	17.21	18.00
		100	0	17.10	17.21	16.95	18.00
	DFT-s-OFDM QPSK	1	1	17.49	17.61	17.66	18.50
		1	53	17.78	17.78	17.68	18.50
		1	104	17.71	17.61	17.59	18.50
		50	0	16.78	16.68	16.65	17.50
		50	28	17.58	17.60	17.45	18.50
		50	56	16.75	16.79	16.79	17.50
		100	0	16.57	16.55	16.36	17.50
	DFT-s-OFDM 16QAM	1	1	16.23	16.25	16.22	17.50
	DFT-s-OFDM 64QAM	1	1	14.63	14.84	14.76	16.00
	DFT-s-OFDM 256QAM	1	1	13.54	13.54	13.26	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	16.01	16.08	16.21	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	17.55	17.93	17.55	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	17.52	17.71	17.57	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	17.47	17.78	17.72	18.50



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N2 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
				1860	1880	1900	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.95	17.27	17.08	18.00
		1	53	17.35	17.17	17.00	18.00
		1	104	17.08	17.14	17.01	18.00
		50	0	16.47	16.66	16.64	17.50
		50	28	17.02	16.99	16.98	18.00
		50	56	16.69	16.75	16.63	17.50
		100	0	16.71	16.66	16.40	17.50
	DFT-s-OFDM QPSK	1	1	16.97	17.18	17.02	18.00
		1	53	17.41	17.22	17.16	18.00
		1	104	17.09	17.28	17.08	18.00
		50	0	16.31	16.20	15.99	17.00
		50	28	17.17	17.04	17.13	18.00
		50	56	16.30	16.23	16.17	17.00
		100	0	16.08	16.00	16.05	17.00
	DFT-s-OFDM 16QAM	1	1	15.78	15.88	15.72	17.00
	DFT-s-OFDM 64QAM	1	1	14.27	14.34	14.13	15.50
	DFT-s-OFDM 256QAM	1	1	12.94	13.07	12.90	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	15.69	15.56	15.67	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	17.20	17.31	17.11	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	17.03	17.23	17.19	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	16.91	17.39	17.25	18.00



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9 Conducted Power of WIFI and Bluetooth

9.1 Conducted Power of 2.4G WIFI

WIFI 2.4G Ant 22 Power Reduce Level 1						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Power setting
802.11b	1	2412	1	16.11	17.00	15.00
	6	2437		16.01	17.00	15.00
	11	2462		16.07	17.00	15.00
802.11g	1	2412	6	14.52	15.50	13.50
	6	2437		15.85	17.00	15.00
	11	2462		11.03	12.00	10.00
802.11n HT20	1	2412	6.5	14.43	15.50	13.50
	6	2437		15.73	17.00	15.00
	11	2462		10.99	12.00	10.00
802.11n HT40	3	2422	13.5	12.16	13.50	11.50
	6	2437		15.84	17.00	15.00
	9	2452		7.19	8.50	6.50
802.11ac VHT20	1	2412	MCS0	14.44	15.50	13.50
	6	2437		15.74	17.00	15.00
	11	2462		10.88	12.00	10.00
802.11ac VHT40	3	2422	MCS0	12.18	13.50	11.50
	6	2437		15.84	17.00	15.00
	9	2452		7.16	8.50	6.50

WIFI 2.4G Ant 22 Power Reduce Level 2						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Power setting
802.11b	1	2412	1	15.69	16.50	14.50
	6	2437		15.46	16.50	14.50
	11	2462		15.50	16.50	14.50
802.11g	1	2412	6	14.52	15.50	13.50
	6	2437		15.32	16.50	14.50
	11	2462		11.03	12.00	10.00
802.11n HT20	1	2412	6.5	14.43	15.50	13.50
	6	2437		15.26	16.50	14.50
	11	2462		10.99	12.00	10.00
802.11n HT40	3	2422	13.5	12.16	13.50	11.50
	6	2437		15.31	16.50	14.50
	9	2452		7.19	8.50	6.50
802.11ac VHT20	1	2412	MCS0	14.44	15.50	13.50
	6	2437		15.18	16.50	14.50
	11	2462		10.88	12.00	10.00



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802.11ac VHT40	3	2422	MCS0	12.18	13.50	11.50
	6	2437		15.28	16.50	14.50
	9	2452		7.16	8.50	6.50

WIFI 2.4G Ant 22 Power Reduce Level 3						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Power setting
802.11b	1	2412	1	19.21	20.00	18.00
	6	2437		19.00	20.00	18.00
	11	2462		18.95	20.00	18.00
802.11g	1	2412	6	14.52	15.50	13.50
	6	2437		17.89	19.00	17.00
	11	2462		11.03	12.00	10.00
802.11n HT20	1	2412	6.5	14.43	15.50	13.50
	6	2437		16.79	18.00	16.00
	11	2462		10.99	12.00	10.00
802.11n HT40	3	2422	13.5	12.16	13.50	11.50
	6	2437		16.89	18.00	16.00
	9	2452		7.19	8.50	6.50
802.11ac VHT20	1	2412	MCS0	14.44	15.50	13.50
	6	2437		16.78	18.00	16.00
	11	2462		10.88	12.00	10.00
802.11ac VHT40	3	2422	MCS0	12.18	13.50	11.50
	6	2437		16.78	18.00	16.00
	9	2452		7.16	8.50	6.50

WIFI 2.4G Ant 22 Power Reduce Level 4						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Power setting
802.11b	1	2412	1	18.12	19.00	17.00
	6	2437		18.03	19.00	17.00
	11	2462		17.99	19.00	17.00
802.11g	1	2412	6	14.52	15.50	13.50
	6	2437		17.89	19.00	17.00
	11	2462		11.03	12.00	10.00
802.11n HT20	1	2412	6.5	14.43	15.50	13.50
	6	2437		16.79	18.00	16.00
	11	2462		10.99	12.00	10.00
802.11n HT40	3	2422	13.5	12.16	13.50	11.50
	6	2437		16.89	18.00	16.00
	9	2452		7.19	8.50	6.50
	1	2412	MCS0	14.44	15.50	13.50



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802.11ac VHT20	6	2437	MCS0	16.78	18.00	16.00
	11	2462		10.88	12.00	10.00
802.11ac VHT40	3	2422		12.18	13.50	11.50
	6	2437		16.78	18.00	16.00
	9	2452		7.16	8.50	6.50



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9.2 Conducted Power of 5G WIFI

WIFI 5G Ant 22 Power Reduce Level 1						
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz U-NII-1	802.11a	36	5180	13.70	14.50	11.50
		40	5200	13.43	14.50	11.50
		44	5220	13.52	14.50	11.50
		48	5240	13.64	14.50	11.50
	802.11n HT20	36	5180	13.26	14.50	11.50
		40	5200	13.40	14.50	11.50
		44	5220	13.40	14.50	11.50
		48	5240	13.58	14.50	11.50
	802.11n HT40	38	5190	11.67	13.00	10.00
		46	5230	13.39	14.50	11.50
	802.11ac VHT20	36	5180	13.12	14.50	11.50
		40	5200	13.27	14.50	11.50
		44	5220	13.36	14.50	11.50
		48	5240	13.54	14.50	11.50
	802.11ac VHT40	38	5190	11.66	13.00	10.00
		46	5230	13.26	14.50	11.50
	802.11ac VHT80	42	5210	9.82	11.50	8.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz U-NII-2A	802.11a	52	5260	13.24	14.50	11.50
		56	5280	13.32	14.50	11.50
		60	5300	13.49	14.50	11.50
		64	5320	13.40	14.50	11.50
	802.11n HT20	52	5260	13.07	14.50	11.50
		56	5280	13.15	14.50	11.50
		60	5300	13.22	14.50	11.50
		64	5320	13.04	14.50	11.50
	802.11n HT40	54	5270	13.01	14.50	11.50
		62	5310	10.44	12.00	9.00
	802.11ac VHT20	52	5260	13.10	14.50	11.50
		56	5280	13.14	14.50	11.50
		60	5300	13.24	14.50	11.50
		64	5320	13.11	14.50	11.50
	802.11ac VHT40	54	5270	13.05	14.50	11.50
		62	5310	10.51	12.00	9.00



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	802.11ac VHT80	58	5290	9.62	11.50	8.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII- 2C	802.11a	100	5500	8.90	10.50	7.50
		104	5520	11.03	12.50	9.50
		108	5540	11.15	12.50	9.50
		112	5560	11.20	12.50	9.50
		116	5580	11.33	12.50	9.50
		120	5600	11.40	12.50	9.50
		124	5620	11.36	12.50	9.50
		128	5640	11.49	12.50	9.50
		132	5660	11.58	12.50	9.50
		136	5680	11.69	12.50	9.50
		140	5700	11.59	12.50	9.50
		144	5720	11.70	12.50	9.50
	802.11n HT20	100	5500	8.77	10.50	7.50
		104	5520	10.81	12.50	9.50
		108	5540	10.84	12.50	9.50
		112	5560	10.92	12.50	9.50
		116	5580	10.97	12.50	9.50
		120	5600	11.03	12.50	9.50
		124	5620	11.13	12.50	9.50
		128	5640	11.27	12.50	9.50
		132	5660	11.26	12.50	9.50
		136	5680	11.44	12.50	9.50
		140	5700	11.25	12.50	9.50
		144	5720	11.43	12.50	9.50
	802.11n HT40	102	5510	8.30	10.00	7.00
		110	5550	10.91	12.50	9.50
		118	5590	10.95	12.50	9.50
		126	5630	11.05	12.50	9.50
		134	5670	11.26	12.50	9.50
		142	5710	11.33	12.50	9.50
	802.11ac VHT20	100	5500	10.82	12.50	9.50
		104	5520	10.75	12.50	9.50
		108	5540	10.88	12.50	9.50
		112	5560	10.93	12.50	9.50
		116	5580	11.01	12.50	9.50
		120	5600	11.01	12.50	9.50
		124	5620	11.18	12.50	9.50
		128	5640	11.22	12.50	9.50



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		132	5660	11.34	12.50	9.50
		136	5680	11.32	12.50	9.50
		140	5700	11.20	12.50	9.50
		144	5720	11.43	12.50	9.50
	802.11ac VHT40	102	5510	8.15	10.00	7.00
		110	5550	10.89	12.50	9.50
		118	5590	11.08	12.50	9.50
		126	5630	11.19	12.50	9.50
		134	5670	11.78	12.50	9.50
		142	5710	11.39	12.50	9.50
	802.11ac VHT80	106	5530	8.17	10.00	7.00
		122	5610	10.84	12.50	9.50
		138	5690	11.06	12.50	9.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-3	802.11a	149	5745	13.25	14.00	11.00
		153	5765	13.32	14.00	11.00
		157	5785	13.26	14.00	11.00
		161	5805	13.32	14.00	11.00
		165	5825	13.40	14.00	11.00
	802.11n HT20	149	5745	13.01	14.00	11.00
		153	5765	13.05	14.00	11.00
		157	5785	13.14	14.00	11.00
		161	5805	13.06	14.00	11.00
		165	5825	13.13	14.00	11.00
	802.11n HT40	151	5755	12.97	14.00	11.00
		159	5795	13.02	14.00	11.00
	802.11ac VHT20	149	5745	12.91	14.00	11.00
		153	5765	12.99	14.00	11.00
		157	5785	13.16	14.00	11.00
		161	5805	13.12	14.00	11.00
		165	5825	13.17	14.00	11.00
	802.11ac VHT40	151	5755	12.89	14.00	11.00
		159	5795	13.00	14.00	11.00
	802.11ac VHT80	155	5775	12.65	14.00	11.00



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting	
5GHz U-NII-1	802.11a	36	5180	12.13	13.00	10.00	
		40	5200	11.94	13.00	10.00	
		44	5220	12.04	13.00	10.00	
		48	5240	12.07	13.00	10.00	
	802.11n HT20	36	5180	11.84	13.00	10.00	
		40	5200	11.85	13.00	10.00	
		44	5220	11.91	13.00	10.00	
		48	5240	12.03	13.00	10.00	
	802.11n HT40	38	5190	11.55	13.00	10.00	
		46	5230	11.85	13.00	10.00	
	802.11ac VHT20	36	5180	11.66	13.00	10.00	
		40	5200	11.77	13.00	10.00	
		44	5220	11.90	13.00	10.00	
		48	5240	11.94	13.00	10.00	
	802.11ac VHT40	38	5190	11.63	13.00	10.00	
		46	5230	11.77	13.00	10.00	
	802.11ac VHT80	42	5210	9.80	11.50	8.50	
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
	5GHz U-NII-2A	802.11a	52	5260	11.76	13.00	10.00
			56	5280	11.94	13.00	10.00
60			5300	12.03	13.00	10.00	
64			5320	11.89	13.00	10.00	
802.11n HT20		52	5260	11.60	13.00	10.00	
		56	5280	11.68	13.00	10.00	
		60	5300	11.70	13.00	10.00	
		64	5320	11.57	13.00	10.00	
802.11n HT40		54	5270	11.54	13.00	10.00	
		62	5310	10.44	12.00	9.00	
802.11ac VHT20		52	5260	11.50	13.00	10.00	
		56	5280	11.54	13.00	10.00	
		60	5300	11.71	13.00	10.00	
		64	5320	11.65	13.00	10.00	
802.11ac VHT40		54	5270	11.60	13.00	10.00	
		62	5310	10.65	12.00	9.00	
802.11ac VHT80		58	5290	9.60	11.50	8.50	



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-2C	802.11a	100	5500	8.96	10.50	7.50
		104	5520	9.52	11.00	8.00
		108	5540	9.64	11.00	8.00
		112	5560	9.67	11.00	8.00
		116	5580	9.78	11.00	8.00
		120	5600	9.80	11.00	8.00
		124	5620	9.88	11.00	8.00
		128	5640	9.96	11.00	8.00
		132	5660	10.01	11.00	8.00
		136	5680	10.11	11.00	8.00
		140	5700	10.09	11.00	8.00
		144	5720	10.18	11.00	8.00
	802.11n HT20	100	5500	8.81	10.50	7.50
		104	5520	9.22	11.00	8.00
		108	5540	9.30	11.00	8.00
		112	5560	9.40	11.00	8.00
		116	5580	9.57	11.00	8.00
		120	5600	9.61	11.00	8.00
		124	5620	9.72	11.00	8.00
		128	5640	9.75	11.00	8.00
		132	5660	9.81	11.00	8.00
		136	5680	9.98	11.00	8.00
		140	5700	9.85	11.00	8.00
		144	5720	9.83	11.00	8.00
	802.11n HT40	102	5510	8.17	10.00	7.00
		110	5550	9.49	11.00	8.00
		118	5590	9.46	11.00	8.00
		126	5630	9.61	11.00	8.00
		134	5670	9.81	11.00	8.00
		142	5710	9.79	11.00	8.00
	802.11ac VHT20	100	5500	9.27	11.00	8.00
		104	5520	9.29	11.00	8.00
		108	5540	9.33	11.00	8.00
		112	5560	9.46	11.00	8.00
		116	5580	9.54	11.00	8.00
		120	5600	9.47	11.00	8.00
		124	5620	9.69	11.00	8.00
		128	5640	9.67	11.00	8.00
		132	5660	9.84	11.00	8.00



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		136	5680	9.80	11.00	8.00
		140	5700	9.75	11.00	8.00
		144	5720	9.94	11.00	8.00
	802.11ac VHT40	102	5510	8.13	10.00	7.00
		110	5550	9.27	11.00	8.00
		118	5590	9.59	11.00	8.00
		126	5630	9.62	11.00	8.00
		134	5670	10.25	11.00	8.00
		142	5710	9.92	11.00	8.00
	802.11ac VHT80	106	5530	8.16	10.00	7.00
		122	5610	9.37	11.00	8.00
		138	5690	9.57	11.00	8.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-3	802.11a	149	5745	11.75	12.50	9.50
		153	5765	11.81	12.50	9.50
		157	5785	11.81	12.50	9.50
		161	5805	11.87	12.50	9.50
		165	5825	11.90	12.50	9.50
	802.11n HT20	149	5745	11.42	12.50	9.50
		153	5765	11.60	12.50	9.50
		157	5785	11.53	12.50	9.50
		161	5805	11.62	12.50	9.50
		165	5825	11.64	12.50	9.50
	802.11n HT40	151	5755	11.49	12.50	9.50
		159	5795	11.49	12.50	9.50
	802.11ac VHT20	149	5745	11.42	12.50	9.50
		153	5765	11.47	12.50	9.50
		157	5785	11.59	12.50	9.50
		161	5805	11.58	12.50	9.50
		165	5825	11.70	12.50	9.50
	802.11ac VHT40	151	5755	11.47	12.50	9.50
		159	5795	11.40	12.50	9.50
	802.11ac VHT80	155	5775	11.17	12.50	9.50



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WIFI 5G Ant 22 Power Reduce Level 3							
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting	
5GHz U-NII-1	802.11a	36	5180	14.16	15.00	12.00	
		40	5200	15.96	17.00	14.00	
		44	5220	16.02	17.00	14.00	
		48	5240	16.09	17.00	14.00	
	802.11n HT20	36	5180	13.78	15.00	12.00	
		40	5200	15.88	17.00	14.00	
		44	5220	15.87	17.00	14.00	
		48	5240	16.09	17.00	14.00	
	802.11n HT40	38	5190	11.60	13.00	10.00	
		46	5230	15.86	17.00	14.00	
	802.11ac VHT20	36	5180	13.63	15.00	12.00	
		40	5200	15.74	17.00	14.00	
		44	5220	15.83	17.00	14.00	
		48	5240	16.00	17.00	14.00	
	802.11ac VHT40	38	5190	11.63	13.00	10.00	
		46	5230	15.80	17.00	14.00	
	802.11ac VHT80	42	5210	9.86	11.50	8.50	
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
	5GHz U-NII-2A	802.11a	52	5260	15.74	17.00	14.00
			56	5280	15.87	17.00	14.00
60			5300	15.98	17.00	14.00	
64			5320	13.42	14.50	11.50	
802.11n HT20		52	5260	15.58	17.00	14.00	
		56	5280	15.63	17.00	14.00	
		60	5300	15.77	17.00	14.00	
		64	5320	13.12	14.50	11.50	
802.11n HT40		54	5270	15.51	17.00	14.00	
		62	5310	10.52	12.00	9.00	
802.11ac VHT20		52	5260	15.55	17.00	14.00	
		56	5280	15.61	17.00	14.00	
		60	5300	15.76	17.00	14.00	
		64	5320	13.17	14.50	11.50	
802.11ac VHT40		54	5270	15.55	17.00	14.00	
		62	5310	10.59	12.00	9.00	
802.11ac VHT80		58	5290	9.66	11.50	8.50	



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-2C	802.11a	100	5500	8.92	10.50	7.50
		104	5520	14.07	15.50	12.50
		108	5540	14.13	15.50	12.50
		112	5560	14.16	15.50	12.50
		116	5580	14.28	15.50	12.50
		120	5600	14.36	15.50	12.50
		124	5620	14.41	15.50	12.50
		128	5640	14.51	15.50	12.50
		132	5660	14.53	15.50	12.50
		136	5680	14.68	15.50	12.50
		140	5700	11.62	12.50	9.50
		144	5720	14.65	15.50	12.50
	802.11n HT20	100	5500	8.76	10.50	7.50
		104	5520	13.79	15.50	12.50
		108	5540	13.86	15.50	12.50
		112	5560	13.96	15.50	12.50
		116	5580	14.02	15.50	12.50
		120	5600	14.05	15.50	12.50
		124	5620	14.15	15.50	12.50
		128	5640	14.23	15.50	12.50
		132	5660	14.29	15.50	12.50
		136	5680	14.41	15.50	12.50
		140	5700	11.30	12.50	9.50
		144	5720	14.40	15.50	12.50
	802.11n HT40	102	5510	8.22	10.00	7.00
		110	5550	13.93	15.50	12.50
		118	5590	13.99	15.50	12.50
		126	5630	14.10	15.50	12.50
		134	5670	13.81	15.00	12.00
		142	5710	14.33	15.50	12.50
	802.11ac VHT20	100	5500	13.80	15.50	12.50
		104	5520	13.76	15.50	12.50
		108	5540	13.85	15.50	12.50
		112	5560	13.92	15.50	12.50
		116	5580	13.97	15.50	12.50
		120	5600	14.02	15.50	12.50
124		5620	14.19	15.50	12.50	
128		5640	14.24	15.50	12.50	
132		5660	14.37	15.50	12.50	



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		136	5680	14.36	15.50	12.50
		140	5700	11.28	12.50	9.50
		144	5720	14.41	15.50	12.50
	802.11ac VHT40	102	5510	8.21	10.00	7.00
		110	5550	13.84	15.50	12.50
		118	5590	14.03	15.50	12.50
		126	5630	14.18	15.50	12.50
		134	5670	14.27	15.00	12.00
		142	5710	14.39	15.50	12.50
		802.11ac VHT80	106	5530	8.16	10.00
	122		5610	13.80	15.50	12.50
	138		5690	14.08	15.50	12.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-3	802.11a	149	5745	15.72	16.50	13.50
		153	5765	15.77	16.50	13.50
		157	5785	15.81	16.50	13.50
		161	5805	15.84	16.50	13.50
		165	5825	15.91	16.50	13.50
	802.11n HT20	149	5745	15.46	16.50	13.50
		153	5765	15.53	16.50	13.50
		157	5785	15.60	16.50	13.50
		161	5805	15.58	16.50	13.50
		165	5825	15.68	16.50	13.50
	802.11n HT40	151	5755	15.43	16.50	13.50
		159	5795	15.56	16.50	13.50
	802.11ac VHT20	149	5745	15.38	16.50	13.50
		153	5765	15.47	16.50	13.50
		157	5785	15.62	16.50	13.50
		161	5805	15.58	16.50	13.50
		165	5825	15.63	16.50	13.50
	802.11ac VHT40	151	5755	15.42	16.50	13.50
		159	5795	15.47	16.50	13.50
	802.11ac VHT80	155	5775	13.17	14.50	11.50



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WIFI 5G Ant 22 Power Reduce Level 4							
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting	
5GHz U-NII-1	802.11a	36	5180	14.24	15.00	12.00	
		40	5200	14.39	15.50	12.50	
		44	5220	14.55	15.50	12.50	
		48	5240	14.66	15.50	12.50	
	802.11n HT20	36	5180	13.83	15.00	12.00	
		40	5200	14.41	15.50	12.50	
		44	5220	14.40	15.50	12.50	
		48	5240	14.54	15.50	12.50	
	802.11n HT40	38	5190	11.64	13.00	10.00	
		46	5230	14.29	15.50	12.50	
	802.11ac VHT20	36	5180	13.62	15.00	12.00	
		40	5200	14.31	15.50	12.50	
		44	5220	14.31	15.50	12.50	
		48	5240	14.57	15.50	12.50	
	802.11ac VHT40	38	5190	11.62	13.00	10.00	
		46	5230	14.24	15.50	12.50	
	802.11ac VHT80	42	5210	9.82	11.50	8.50	
	5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
	5GHz U-NII-2A	802.11a	52	5260	14.18	15.50	12.50
			56	5280	14.32	15.50	12.50
60			5300	14.52	15.50	12.50	
64			5320	13.48	14.50	11.50	
802.11n HT20		52	5260	14.06	15.50	12.50	
		56	5280	14.10	15.50	12.50	
		60	5300	14.25	15.50	12.50	
		64	5320	13.15	14.50	11.50	
802.11n HT40		54	5270	14.01	15.50	12.50	
		62	5310	10.55	12.00	9.00	
802.11ac VHT20		52	5260	14.03	15.50	12.50	
		56	5280	14.08	15.50	12.50	
		60	5300	14.21	15.50	12.50	
		64	5320	13.15	14.50	11.50	
802.11ac VHT40		54	5270	14.06	15.50	12.50	
		62	5310	10.65	12.00	9.00	
802.11ac VHT80		58	5290	9.72	11.50	8.50	



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-2C	802.11a	100	5500	8.95	10.50	7.50
		104	5520	13.10	14.50	11.50
		108	5540	13.13	14.50	11.50
		112	5560	13.23	14.50	11.50
		116	5580	13.26	14.50	11.50
		120	5600	13.30	14.50	11.50
		124	5620	13.34	14.50	11.50
		128	5640	13.57	14.50	11.50
		132	5660	13.53	14.50	11.50
		136	5680	13.62	14.50	11.50
		140	5700	11.69	12.50	9.50
		144	5720	13.65	14.50	11.50
	802.11n HT20	100	5500	8.78	10.50	7.50
		104	5520	12.73	14.50	11.50
		108	5540	12.88	14.50	11.50
		112	5560	13.00	14.50	11.50
		116	5580	13.09	14.50	11.50
		120	5600	13.05	14.50	11.50
		124	5620	13.21	14.50	11.50
		128	5640	13.28	14.50	11.50
		132	5660	13.28	14.50	11.50
		136	5680	13.37	14.50	11.50
		140	5700	11.38	12.50	9.50
		144	5720	13.45	14.50	11.50
	802.11n HT40	102	5510	8.14	10.00	7.00
		110	5550	12.91	14.50	11.50
		118	5590	12.96	14.50	11.50
		126	5630	13.09	14.50	11.50
		134	5670	13.28	14.50	11.50
		142	5710	13.40	14.50	11.50
	802.11ac VHT20	100	5500	12.79	14.50	11.50
		104	5520	12.73	14.50	11.50
		108	5540	12.78	14.50	11.50
		112	5560	12.86	14.50	11.50
		116	5580	12.97	14.50	11.50
		120	5600	13.01	14.50	11.50
124		5620	13.23	14.50	11.50	
128		5640	13.18	14.50	11.50	
132		5660	13.36	14.50	11.50	



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		136	5680	13.43	14.50	11.50
		140	5700	11.31	12.50	9.50
		144	5720	13.43	14.50	11.50
	802.11ac VHT40	102	5510	8.14	10.00	7.00
		110	5550	12.88	14.50	11.50
		118	5590	12.96	14.50	11.50
		126	5630	13.14	14.50	11.50
		134	5670	13.70	14.50	11.50
		142	5710	13.44	14.50	11.50
	802.11ac VHT80	106	5530	8.09	10.00	7.00
		122	5610	12.87	14.50	11.50
		138	5690	13.14	14.50	11.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	Power setting
5GHz UNII-3	802.11a	149	5745	13.29	14.00	11.00
		153	5765	13.21	14.00	11.00
		157	5785	13.29	14.00	11.00
		161	5805	13.37	14.00	11.00
		165	5825	13.42	14.00	11.00
	802.11n HT20	149	5745	12.99	14.00	11.00
		153	5765	12.99	14.00	11.00
		157	5785	13.10	14.00	11.00
		161	5805	13.02	14.00	11.00
		165	5825	13.18	14.00	11.00
	802.11n HT40	151	5755	12.91	14.00	11.00
		159	5795	13.02	14.00	11.00
	802.11ac VHT20	149	5745	12.88	14.00	11.00
		153	5765	12.98	14.00	11.00
		157	5785	13.09	14.00	11.00
		161	5805	13.07	14.00	11.00
		165	5825	13.09	14.00	11.00
	802.11ac VHT40	151	5755	12.99	14.00	11.00
		159	5795	12.98	14.00	11.00
	802.11ac VHT80	155	5775	12.67	14.00	11.00



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9.3 Conducted Power of Bluetooth

BT Ant 22		Average Conducted Power(dBm)					
Band	Channel	0	Tune up	39	Tune up	78	Tune up
BT	GFSK	9.35	11.00	10.94	12.00	11.36	12.00
	π/4DQPSK	7.02	8.00	8.80	10.00	9.34	10.00
	8DPSK	7.28	8.00	8.98	10.00	9.31	10.00
Band	Channel	0	Tune up	19	Tune up	39	Tune up
BLE 1M	GFSK	5.97	7.00	6.94	8.00	6.69	8.00
BLE 2M	GFSK	6.83	8.00	7.89	9.00	7.70	9.00

- End of the Appendix -



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