

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

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

Report No.: SZCR250500221411

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N78 PC3 DS1 5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.49	/	18.50
		1	137	/	17.90	/	18.50
		1	271	/	17.85	/	18.50
		135	0	/	17.26	/	18.00
		135	69	/	17.81	/	18.50
		135	138	/	17.38	/	18.00
		270	0	/	17.39	/	18.00
	DFT-s-OFDM QPSK	1	1	/	17.28	/	18.50
		1	137	/	17.58	/	18.50
		1	271	/	17.63	/	18.50
		135	0	/	17.23	/	17.50
		135	69	/	17.57	/	18.50
		135	138	/	16.69	/	17.50
		270	0	/	16.60	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.76	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	15.74	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	13.65	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	649999.1	/	
100MHz	CP-OFDM QPSK	1	1		16.06		17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	18.29	18.43	17.70	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	18.12	17.97	18.01	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	17.96	17.95	17.99	18.50
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	18.19	18.05	17.97	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	18.03	18.13	18.10	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	18.10	18.25	17.68	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	18.16	18.19	18.16	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	18.06	18.39	17.92	18.50

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N78 PC2 DS1 0/1/2/3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.75	/	23.50
		1	137	/	22.51	/	23.50
		1	271	/	22.78	/	23.50
		135	0	/	18.85	/	20.00
		135	69	/	22.82	/	23.50
		135	138	/	18.97	/	20.00
		270	0	/	22.13	/	23.00
	DFT-s-OFDM QPSK	1	1	/	22.58	/	23.50
		1	137	/	22.68	/	23.50
		1		/	22.75	/	23.50
		135	0	/	18.82	/	20.00
		135	69	/	22.70	/	23.50
		135	138	/	19.01	/	20.00
		270	0	/	21.81	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.70	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	20.43	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	18.37	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		21.32		22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	22.90	22.86	22.69	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	22.79	22.85	22.71	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	22.56	22.69	22.67	23.50
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	22.81	23.01	22.59	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	22.63	22.66	22.51	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	22.70	23.01	22.73	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	22.65	22.68	22.54	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	22.72	22.97	22.59	23.50

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N78 PC2 DS1 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.20	/	20.00
		1	137	/	18.92	/	20.00
		1	271	/	19.35	/	20.00
		135	0	/	15.22	/	16.50
		135	69	/	19.32	/	20.00
		135	138	/	15.59	/	16.50
		270	0	/	18.74	/	19.50
	DFT-s-OFDM QPSK	1	1	/	19.07	/	20.00
		1	137	/	19.28	/	20.00
		1		/	19.10	/	20.00
		135	0	/	15.22	/	16.50
		135	69	/	19.33	/	20.00
		135	138	/	15.36	/	16.50
		270	0	/	18.32	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.23	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	16.92	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	14.76	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		17.83		18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	19.55	19.33	19.11	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.26	19.39	19.09	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	18.98	19.14	19.22	20.00
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	19.17	19.42	19.13	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	18.99	19.16	19.11	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.31	19.65	19.14	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	19.27	19.31	19.06	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	19.29	19.34	19.06	20.00

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N78 PC2 DS1 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	18.85	/	19.50
		1	137	/	18.35	/	19.50
		1	271	/	18.92	/	19.50
		135	0	/	14.61	/	16.00
		135	69	/	18.72	/	19.50
		135	138	/	15.14	/	16.00
		270	0	/	18.31	/	19.00
	DFT-s-OFDM QPSK	1	1	/	18.55	/	19.50
		1	137	/	18.70	/	19.50
		1		/	18.48	/	19.50
		135	0	/	14.83	/	16.00
		135	69	/	18.89	/	19.50
		135	138	/	15.00	/	16.00
		270	0	/	17.79	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	17.66	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	16.37	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	14.23	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		17.38		18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	19.06	18.68	18.48	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	18.69	18.97	18.52	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	18.50	18.67	18.78	19.50
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	18.67	19.00	18.65	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	18.49	18.65	18.71	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	18.70	19.20	18.54	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	18.71	18.75	18.45	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.87	18.79	18.46	19.50

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N78 PC2 DS1 0/1				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.13	/	23.00
		1	137	/	22.08	/	23.00
		1	271	/	22.09	/	23.00
		135	0	/	18.71	/	19.50
		135	69	/	22.10	/	23.00
		135	138	/	18.74	/	19.50
		270	0	/	21.49	/	22.50
	DFT-s-OFDM QPSK	1	1	/	22.19	/	23.00
		1	137	/	22.14	/	23.00
		1	271	/	22.18	/	23.00
		135	0	/	18.66	/	19.50
		135	69	/	22.04	/	23.00
		135	138	/	18.69	/	19.50
		270	0	/	21.07	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	21.20	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	19.46	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.64	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	20.81	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	22.07	22.12	21.84	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649332	649998	650666	
80MHz	DFT-s-OFDM QPSK	1	1	22.12	22.06	21.88	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648998	649998	650998	
70MHz	DFT-s-OFDM QPSK	1	1	22.09	22.07	21.86	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648666	649998	651332	

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60MHz	DFT-s-OFDM QPSK	1	1	22.14	21.97	21.90	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648332	649998	651666	
50MHz	DFT-s-OFDM QPSK	1	1	22.09	22.22	21.81	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647998	649998	651998	
40MHz	DFT-s-OFDM QPSK	1	1	22.08	22.05	21.86	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647666	649998	652332	
30MHz	DFT-s-OFDM QPSK	1	1	22.14	22.06	21.98	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647332	649998	652666	
20MHz	DFT-s-OFDM QPSK	1	1	22.18	22.17	21.80	23.00

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N78 PC2 DS1 2/3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.80	/	22.50
		1	137	/	21.55	/	22.50
		1	271	/	21.69	/	22.50
		135	0	/	18.29	/	19.00
		135	69	/	21.44	/	22.50
		135	138	/	18.18	/	19.00
		270	0	/	20.88	/	22.00
	DFT-s-OFDM QPSK	1	1	/	21.72	/	22.50
		1	137	/	21.64	/	22.50
		1	271	/	21.77	/	22.50
		135	0	/	18.28	/	19.00
		135	69	/	21.63	/	22.50
		135	138	/	18.33	/	19.00
		270	0	/	20.58	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.58	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	18.83	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	17.03	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	20.36	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	21.59	21.67	21.32	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649332	649998	650666	
80MHz	DFT-s-OFDM QPSK	1	1	21.73	21.70	21.61	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648998	649998	650998	
70MHz	DFT-s-OFDM QPSK	1	1	21.46	21.55	21.32	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648666	649998	651332	

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60MHz	DFT-s-OFDM QPSK	1	1	21.47	21.61	21.45	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648332	649998	651666	
50MHz	DFT-s-OFDM QPSK	1	1	21.69	21.61	21.23	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647998	649998	651998	
40MHz	DFT-s-OFDM QPSK	1	1	21.67	21.50	21.20	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647666	649998	652332	
30MHz	DFT-s-OFDM QPSK	1	1	21.69	21.40	21.50	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647332	649998	652666	
20MHz	DFT-s-OFDM QPSK	1	1	21.60	21.57	21.30	22.50

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N78 PC2 DS1 4				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.95	/	20.50
		1	137	/	19.56	/	20.50
		1	271	/	19.48	/	20.50
		135	0	/	16.31	/	17.00
		135	69	/	19.58	/	20.50
		135	138	/	16.31	/	17.00
		270	0	/	19.02	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.59	/	20.50
		1	137	/	19.62	/	20.50
		1	271	/	19.85	/	20.50
		135	0	/	16.10	/	17.00
		135	69	/	19.44	/	20.50
		135	138	/	16.42	/	17.00
		270	0	/	18.53	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.68	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	16.95	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	14.95	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	18.36	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	19.54	19.75	19.31	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649332	649998	650666	
80MHz	DFT-s-OFDM QPSK	1	1	19.77	19.72	19.67	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648998	649998	650998	
70MHz	DFT-s-OFDM QPSK	1	1	19.26	19.56	19.45	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648666	649998	651332	

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60MHz	DFT-s-OFDM QPSK	1	1	19.54	19.69	19.39	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648332	649998	651666	
50MHz	DFT-s-OFDM QPSK	1	1	19.80	19.64	19.32	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647998	649998	651998	
40MHz	DFT-s-OFDM QPSK	1	1	19.53	19.38	19.28	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647666	649998	652332	
30MHz	DFT-s-OFDM QPSK	1	1	19.77	19.47	19.49	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647332	649998	652666	
20MHz	DFT-s-OFDM QPSK	1	1	19.53	19.71	19.31	20.50

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N78 PC2 DS1 5				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	17.80	/	18.50
		1	137	/	17.70	/	18.50
		1	271	/	17.51	/	18.50
		135	0	/	14.20	/	15.00
		135	69	/	17.37	/	18.50
		135	138	/	14.45	/	15.00
		270	0	/	17.04	/	18.00
	DFT-s-OFDM QPSK	1	1	/	17.61	/	18.50
		1	137	/	17.78	/	18.50
		1	271	/	17.82	/	18.50
		135	0	/	14.18	/	15.00
		135	69	/	17.35	/	18.50
		135	138	/	14.60	/	15.00
		270	0	/	16.36	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.77	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	15.01	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	13.02	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	16.42	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	17.45	17.89	17.27	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649332	649998	650666	
80MHz	DFT-s-OFDM QPSK	1	1	17.84	17.73	17.56	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648998	649998	650998	
70MHz	DFT-s-OFDM QPSK	1	1	17.20	17.68	17.47	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648666	649998	651332	

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60MHz	DFT-s-OFDM QPSK	1	1	17.50	17.81	17.23	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648332	649998	651666	
50MHz	DFT-s-OFDM QPSK	1	1	17.82	17.61	17.33	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647998	649998	651998	
40MHz	DFT-s-OFDM QPSK	1	1	17.46	17.43	17.28	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647666	649998	652332	
30MHz	DFT-s-OFDM QPSK	1	1	17.65	17.53	17.39	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647332	649998	652666	
20MHz	DFT-s-OFDM QPSK	1	1	17.47	17.48	17.53	18.50

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N77 PC3 DS1 0/1/2/3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	3500.01	/	
		1	137	/	18.42	/	19.50
		1	271	/	18.54	/	19.50
		135	0	/	16.93	/	18.00
		135	69	/	17.05	/	18.00
		135	138	/	18.56	/	19.50
		270	0	/	17.06	/	18.00
	CP-OFDM 16QAM	1	1	/	17.95	/	19.00
	CP-OFDM 64QAM	1	1	/	16.61	/	17.50
	CP-OFDM 256QAM	1	1	/	13.71	/	14.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Tune up
					632668	633334	
80MHz	CP-OFDM QPSK	1	1	18.52	18.51	18.49	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	CP-OFDM QPSK	1	1	18.64	18.61	18.38	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	18.51	18.63	18.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	18.62	18.58	18.52	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	18.57	18.69	18.51	19.50

N77 PC3 DS1 4/5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	16.61	/	17.50
		1	137	/	16.36	/	17.50
		1	271	/	16.49	/	17.50
		135	0	/	15.01	/	16.00
		135	69	/	15.07	/	16.00
		135	138	/	16.67	/	17.50
		270	0	/	14.98	/	16.00
	CP-OFDM 16QAM	1	1	/	15.82	/	17.00
	CP-OFDM 64QAM	1	1	/	14.59	/	15.50
	CP-OFDM 256QAM	1	1	/	11.75	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	CP-OFDM QPSK	1	1	16.55	16.54	16.62	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	CP-OFDM QPSK	1	1	16.66	16.58	16.34	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	16.55	16.60	16.48	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	16.72	16.44	16.66	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	16.70	16.63	16.41	17.50

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N77 PC3 DS1 0/1/2/3				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		
100MHz	CP-OFDM QPSK		1	1	18.49	18.56	18.65	18.88	18.65	18.64	19.50
			1	137	18.46	18.48	18.40	18.56	18.48	18.59	19.50
			1	271	18.29	18.46	18.49	18.69	18.51	18.44	19.50
			135	0	17.31	17.08	17.15	17.26	17.20	17.35	18.00
			135	69	17.09	17.19	17.06	17.17	17.07	17.07	18.00
			135	138	18.19	18.41	18.43	18.41	18.28	18.38	19.50
			270	0	17.12	17.01	16.96	17.18	17.01	17.12	18.00
	CP-OFDM 16QAM		1	1	17.76	17.99	17.96	18.19	17.88	18.03	19.00
	CP-OFDM 64QAM		1	1	16.47	16.49	16.49	16.58	16.35	16.35	17.50
	CP-OFDM 256QAM		1	1	14.23	14.06	14.21	14.30	14.14	14.11	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	CP-OFDM QPSK	1	1	18.36	18.62	18.61	18.81	18.78	18.52	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	CP-OFDM QPSK	1	1	18.35	18.54	18.70	18.86	18.73	18.61	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	CP-OFDM QPSK	1	1	18.58	18.41	18.72	18.90	18.65	18.52	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647666	651000	654334	657666	661000	664334		
30MHz	CP-OFDM QPSK	1	1	18.34	18.57	18.70	18.87	18.70	18.66	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654268	657734	661200	664666		
20MHz	CP-OFDM QPSK	1	1	18.54	18.44	18.74	18.86	18.79	18.70	19.50	

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N77 PC3 DS1 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		
100MHz	CP-OFDM QPSK		1	1	17.07	17.02	17.23	17.43	17.02	17.11	18.00
			1	137	16.88	16.90	17.02	17.20	17.05	17.04	18.00
			1	271	16.89	16.88	17.11	17.31	16.86	16.95	18.00
			135	0	15.87	15.72	15.59	15.68	15.75	15.73	16.50
			135	69	15.68	15.67	15.44	15.57	15.55	15.66	16.50
			135	138	16.64	16.90	16.89	16.96	16.85	16.99	18.00
			270	0	15.76	15.56	15.47	15.83	15.51	15.68	16.50
	CP-OFDM 16QAM		1	1	16.32	16.60	16.37	16.63	16.46	16.60	17.50
	CP-OFDM 64QAM		1	1	14.94	14.86	15.15	15.18	14.83	14.87	16.00
	CP-OFDM 256QAM		1	1	12.87	12.47	12.57	12.92	12.54	12.52	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	CP-OFDM QPSK	1	1	16.75	17.21	17.11	17.47	17.25	17.05	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	CP-OFDM QPSK	1	1	16.99	16.98	17.21	17.44	17.39	17.04	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	CP-OFDM QPSK	1	1	17.08	16.77	17.14	17.45	17.03	17.02	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647666	651000	654334	657666	661000	664334		
30MHz	CP-OFDM QPSK	1	1	16.73	17.17	17.18	17.29	17.23	17.32	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654268	657734	661200	664666		
20MHz	CP-OFDM QPSK	1	1	17.01	16.80	17.22	17.28	17.43	17.25	18.00	

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N77 PC3 DS1 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	
100MHz	CP-OFDM QPSK		1	16.03	16.10	16.22	16.44	16.01	16.01	17.00
			1	137	15.94	15.90	15.98	16.05	16.15	15.95
			1	271	15.93	15.99	16.04	16.28	15.90	15.83
			135	0	14.73	14.57	14.70	14.60	14.72	14.85
			135	69	14.53	14.59	14.50	14.47	14.57	14.74
			135	138	15.78	15.77	15.89	15.94	15.88	16.04
			270	0	14.69	14.44	14.38	14.72	14.39	14.71
	CP-OFDM 16QAM		1	1	15.40	15.74	15.41	15.68	15.44	15.49
	CP-OFDM 64QAM		1	1	13.80	13.78	14.07	14.27	13.83	13.93
	CP-OFDM 256QAM		1	1	11.88	11.56	11.59	11.88	11.60	11.50
80MHz	CP-OFDM QPSK	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	CP-OFDM QPSK	1	1	15.75	16.18	15.96	16.62	16.23	15.93	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	CP-OFDM QPSK	1	1	16.11	15.92	16.35	16.40	16.28	16.05	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	CP-OFDM QPSK	1	1	15.94	15.65	16.00	16.56	15.92	16.16	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647666	651000	654334	657666	661000	664334	
30MHz	CP-OFDM QPSK	1	1	15.70	16.15	16.19	16.42	16.33	16.42	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647334	650800	654268	657734	661200	664666	
20MHz	CP-OFDM QPSK	1	1	16.03	15.70	16.15	16.20	16.35	16.38	17.00

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N77 PC2 DS1 0/1				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	3500.01	/	
		1	137	/	20.10	/	21.00
		1	271	/	19.77	/	21.00
		135	0	/	19.96	/	21.00
		135	69	/	18.58	/	19.50
		135	138	/	18.52	/	19.50
		270	0	/	20.09	/	21.00
	CP-OFDM 16QAM	1	1	/	18.49	/	19.50
	CP-OFDM 64QAM	1	1	/	19.49	/	20.50
	CP-OFDM 256QAM	1	1	/	18.01	/	19.00
80MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				632668	633334	634000	
60MHz	CP-OFDM QPSK	1	1	19.88	19.95	20.00	21.00
40MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				632000	633334	634668	
30MHz	CP-OFDM QPSK	1	1	20.05	20.01	19.74	21.00
20MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				631334	633334	635334	
10MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				631001	633334	635667	

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N77 PC2 DS1 2/3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	3500.01	/	
		1	137	/	19.50	/	20.50
		1	271	/	19.30	/	20.50
		135	0	/	19.38	/	20.50
		135	69	/	18.19	/	19.00
		135	138	/	17.88	/	19.00
		270	0	/	19.56	/	20.50
	CP-OFDM 16QAM	1	1	/	18.05	/	19.00
	CP-OFDM 64QAM	1	1	/	18.91	/	20.00
	CP-OFDM 256QAM	1	1	/	17.63	/	18.50
80MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				632668	633334	634000	
60MHz	CP-OFDM QPSK	1	1	19.46	19.50	19.55	20.50
40MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				631334	633334	635334	
30MHz	CP-OFDM QPSK	1	1	19.52	19.68	19.52	20.50
20MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				631001	633334	635667	
10MHz	CP-OFDM QPSK	1	1	19.61	19.71	19.46	20.50

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N77 PC2 DS1 4/5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	3500.01	/	
		1	137	/	16.53	/	17.50
		1	271	/	16.19	/	17.50
		135	0	/	16.41	/	17.50
		135	69	/	15.12	/	16.00
		135	138	/	14.96	/	16.00
		270	0	/	16.58	/	17.50
	CP-OFDM 16QAM	1	1	/	14.91	/	16.00
	CP-OFDM 64QAM	1	1	/	15.92	/	17.00
	CP-OFDM 256QAM	1	1	/	14.50	/	15.50
80MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				632668	633334	634000	
60MHz	CP-OFDM QPSK	1	1	16.47	16.64	16.54	17.50
40MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				631334	633334	635334	
30MHz	CP-OFDM QPSK	1	1	16.41	16.54	16.53	17.50
20MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				631001	633334	635667	
16MHz	CP-OFDM QPSK	1	1	16.63	16.76	16.32	17.50
10MHz	CP-OFDM QPSK	1	1	Channel	Channel	Channel	Tune up
				630668	633334	636000	
8MHz	CP-OFDM QPSK	1	1	16.40	16.45	16.64	17.50

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N77 PC2 DS1 0/1					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		
100MHz	CP-OFDM QPSK		1	1	20.50	20.51	20.67	20.87	20.72	20.58	21.50
			1	137	20.45	20.42	20.58	20.62	20.56	20.19	21.50
			1	271	20.31	20.34	20.49	20.76	20.52	20.45	21.50
			135	0	18.78	18.81	19.14	19.21	19.12	19.02	20.00
			135	69	18.77	18.86	18.99	18.98	19.05	18.91	20.00
			135	138	20.04	20.01	20.25	20.36	20.22	19.96	21.50
			270	0	18.86	18.62	18.90	19.04	18.99	18.69	20.00
	CP-OFDM 16QAM		1	1	20.07	19.95	20.32	20.37	20.23	19.86	21.00
	CP-OFDM 64QAM		1	1	18.21	18.15	18.51	18.48	18.54	18.44	19.50
	CP-OFDM 256QAM		1	1	15.81	15.76	15.91	15.85	15.99	15.70	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	CP-OFDM QPSK	1	1	20.38	20.51	20.58	20.95	20.72	20.63	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	CP-OFDM QPSK	1	1	20.54	20.48	20.53	21.02	20.66	20.50	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	CP-OFDM QPSK	1	1	20.65	20.50	20.70	20.88	20.79	20.51	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647666	651000	654334	657666	661000	664334		
30MHz	CP-OFDM QPSK	1	1	20.49	20.49	20.67	20.94	20.65	20.56	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654268	657734	661200	664666		
20MHz	CP-OFDM QPSK	1	1	20.45	20.45	20.62	21.01	20.61	20.64	21.50	

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N77 PC2 DS1 2/3					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		
100MHz	CP-OFDM QPSK		1	1	19.62	19.44	19.72	19.90	19.83	19.67	20.50
			1	137	19.58	19.38	19.47	19.72	19.67	19.27	20.50
			1	271	19.43	19.24	19.60	19.73	19.63	19.56	20.50
			135	0	17.89	17.92	18.28	18.08	18.05	17.88	19.00
			135	69	17.75	17.74	18.07	17.85	18.09	17.79	19.00
			135	138	19.11	19.05	19.12	19.34	19.29	19.10	20.50
			270	0	17.83	17.53	17.97	17.97	17.88	17.69	19.00
	CP-OFDM 16QAM		1	1	19.06	19.02	19.41	19.46	19.27	18.75	20.00
	CP-OFDM 64QAM		1	1	17.12	17.03	17.50	17.36	17.44	17.56	18.50
	CP-OFDM 256QAM		1	1	14.92	14.78	15.03	14.90	15.00	14.60	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	CP-OFDM QPSK	1	1	19.38	19.52	19.53	19.99	19.63	19.50	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	CP-OFDM QPSK	1	1	19.65	19.38	19.59	19.96	19.79	19.40	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	CP-OFDM QPSK	1	1	19.67	19.39	19.80	19.92	19.66	19.55	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647666	651000	654334	657666	661000	664334		
30MHz	CP-OFDM QPSK	1	1	19.44	19.51	19.78	19.91	19.54	19.52	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654268	657734	661200	664666		
20MHz	CP-OFDM QPSK	1	1	19.52	19.38	19.60	20.16	19.60	19.72	20.50	

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N77 PC2 DS1 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		
100MHz	CP-OFDM QPSK	1	1	16.98	16.91	17.21	17.55	17.33	17.22	18.00	
			137	16.94	16.78	17.06	17.37	17.20	16.64	18.00	
			271	16.84	16.74	17.02	17.37	17.23	17.06	18.00	
			135	0	15.45	15.56	15.91	15.43	15.55	15.42	16.50
			135	69	15.28	15.09	15.58	15.38	15.47	15.28	16.50
			135	138	16.65	16.58	16.54	16.75	16.85	16.59	18.00
			270	0	15.32	15.18	15.41	15.58	15.24	15.33	16.50
		CP-OFDM 16QAM	1	1	16.69	16.44	16.82	16.88	16.67	16.36	17.50
		CP-OFDM 64QAM	1	1	14.68	14.62	14.98	14.88	14.88	14.94	16.00
		CP-OFDM 256QAM	1	1	12.48	12.23	12.44	12.30	12.63	12.25	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	CP-OFDM QPSK	1	1	16.96	17.13	16.92	17.50	17.25	17.04	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	CP-OFDM QPSK	1	1	17.28	17.02	17.06	17.54	17.15	16.76	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	CP-OFDM QPSK	1	1	17.24	16.79	17.25	17.44	17.21	17.10	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647666	651000	654334	657666	661000	664334		
30MHz	CP-OFDM QPSK	1	1	16.84	17.10	17.15	17.32	17.13	17.10	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654268	657734	661200	664666		
20MHz	CP-OFDM QPSK	1	1	16.87	16.90	17.23	17.81	16.99	17.34	18.00	

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N77 PC2 DS1 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		
100MHz	CP-OFDM QPSK		1	1	16.55	16.27	16.62	17.06	16.82	16.84	17.50
			1	137	16.50	16.40	16.45	16.79	16.74	16.16	17.50
			1	271	16.45	16.10	16.49	16.91	16.68	16.65	17.50
			135	0	15.09	15.15	15.50	14.89	15.08	14.83	16.00
			135	69	14.86	14.71	15.02	14.92	15.01	14.84	16.00
			135	138	16.19	16.10	16.01	16.10	16.42	16.01	17.50
			270	0	14.79	14.64	14.89	15.16	14.65	14.73	16.00
	CP-OFDM 16QAM		1	1	16.30	16.07	16.43	16.53	16.13	15.99	17.00
	CP-OFDM 64QAM		1	1	14.24	14.13	14.43	14.28	14.27	14.39	15.50
	CP-OFDM 256QAM		1	1	12.05	11.86	11.95	11.66	12.11	11.81	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	CP-OFDM QPSK	1	1	16.53	16.66	16.32	17.05	16.76	16.65	17.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	CP-OFDM QPSK	1	1	16.66	16.41	16.69	16.97	16.75	16.32	17.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	CP-OFDM QPSK	1	1	16.73	16.17	16.62	17.04	16.84	16.45	17.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647666	651000	654334	657666	661000	664334		
30MHz	CP-OFDM QPSK	1	1	16.45	16.74	16.54	16.91	16.69	16.57	17.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654268	657734	661200	664666		
20MHz	CP-OFDM QPSK	1	1	16.35	16.33	16.76	17.17	16.63	16.81	17.50	

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N78 PC3 DS1 0/1/2/3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	CP-OFDM QPSK	1	1	/	18.35	/	19.50
		1	137	/	18.26	/	19.50
		1	271	/	18.17	/	19.50
		135	0	/	17.19	/	18.00
		135	69	/	17.16	/	18.00
		135	138	/	18.40	/	19.50
		270	0	/	17.04	/	18.00
	CP-OFDM 16QAM	1	1	/	18.12	/	19.00
	CP-OFDM 64QAM	1	1	/	16.84	/	17.50
	CP-OFDM 256QAM	1	1	/	13.94	/	14.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
					633000	633334	633668
90MHz	CP-OFDM QPSK	1	1		18.28	18.21	18.04
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					632668	633334	634000
80MHz	CP-OFDM QPSK	1	1		18.26	18.13	18.26
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					632334	633334	634334
70MHz	CP-OFDM QPSK	1	1		18.15	18.27	17.96
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					632000	633334	634668
60MHz	CP-OFDM QPSK	1	1		18.14	18.20	18.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					631668	633334	635000
50MHz	CP-OFDM QPSK	1	1		18.36	18.25	18.07
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					631334	633334	635334
40MHz	CP-OFDM QPSK	1	1		18.10	18.21	18.14

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	18.03	18.07	18.17	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	18.17	18.43	18.03	19.50

N78 PC3 DS1 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	15.83	/	17.00
		1	137	/	15.62	/	17.00
		1	271	/	15.73	/	17.00
		135	0	/	14.78	/	15.50
		135	69	/	14.53	/	15.50
		135	138	/	15.93	/	17.00
		270	0	/	14.46	/	15.50
	CP-OFDM 16QAM	1	1	/	15.59	/	16.50
	CP-OFDM 64QAM	1	1	/	14.23	/	15.00
	CP-OFDM 256QAM	1	1	/	11.35	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	CP-OFDM QPSK	1	1	633000	633334	633668	
80MHz	CP-OFDM QPSK	1	1	15.68	15.61	15.63	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
70MHz	CP-OFDM QPSK	1	1	632668	633334	634000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	CP-OFDM QPSK	1	1	632334	633334	634334	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	632000	633334	634668	

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60MHz	CP-OFDM QPSK	1	1	15.55	15.57	15.74	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	CP-OFDM QPSK	1	1	15.87	15.88	15.81	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	15.57	15.58	15.78	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	15.69	15.72	15.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	15.79	15.97	15.75	17.00

N78 PC3 DS1 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	15.35	/	16.50
		1	137	/	15.15	/	16.50
		1	271	/	15.24	/	16.50
		135	0	/	14.34	/	15.00
		135	69	/	13.91	/	15.00
		135	138	/	15.40	/	16.50
		270	0	/	13.98	/	15.00
	CP-OFDM 16QAM	1	1	/	15.02	/	16.00
	CP-OFDM 64QAM	1	1	/	13.59	/	14.50
	CP-OFDM 256QAM	1	1	/	10.70	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	CP-OFDM QPSK	1	1	15.16	15.07	15.22	16.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	CP-OFDM QPSK	1	1	15.24	15.12	15.17	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	CP-OFDM QPSK	1	1	15.10	15.32	15.23	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	CP-OFDM QPSK	1	1	15.18	15.11	15.13	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	CP-OFDM QPSK	1	1	15.23	15.47	15.28	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	15.08	15.05	15.17	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	15.23	15.26	15.08	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	15.26	15.45	15.29	16.50

N78 PC3 DSI 0/1/2/3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK			/	3750.00	/	
		1	1	/	18.56	/	19.50
		1	137	/	18.57	/	19.50
		1	271	/	18.36	/	19.50
		135	0	/	17.05	/	18.00
		135	69	/	17.02	/	18.00
		135	138	/	18.63	/	19.50



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		270	0	/	16.95	/	18.00
	CP-OFDM 16QAM	1	1	/	17.63	/	19.00
	CP-OFDM 64QAM	1	1	/	16.46	/	17.50
	CP-OFDM 256QAM	1	1	/	13.64	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	18.45	18.52	18.48	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	18.41	18.44	18.56	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	18.40	18.50	18.56	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	CP-OFDM QPSK	1	1	18.45	18.61	18.51	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	CP-OFDM QPSK	1	1	18.51	18.60	18.44	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	CP-OFDM QPSK	1	1	18.50	18.61	18.48	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	CP-OFDM QPSK	1	1	18.46	18.60	18.38	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	CP-OFDM QPSK	1	1	18.58	18.58	18.55	19.50

N78 PC3 DSI 4	Conducted Power(dBm)
SCS 30kHz(3700~3800)	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	CP-OFDM QPSK	1	1	/	18.12	/	19.00
		1	137	/	17.99	/	19.00
		1	271	/	18.02	/	19.00
		135	0	/	16.50	/	17.50
		135	69	/	16.59	/	17.50
		135	138	/	18.22	/	19.00
		270	0	/	16.32	/	17.50
	CP-OFDM 16QAM	1	1	/	17.17	/	18.50
	CP-OFDM 64QAM	1	1	/	15.81	/	17.00
	CP-OFDM 256QAM	1	1	/	13.02	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	18.01	17.95	18.10	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	17.90	17.88	18.10	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	17.99	17.94	17.96	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	CP-OFDM QPSK	1	1	17.91	17.96	18.11	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	CP-OFDM QPSK	1	1	18.12	18.20	18.02	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	CP-OFDM QPSK	1	1	17.97	17.97	17.96	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

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				647668	650000	652334	
30MHz	CP-OFDM QPSK	1	1	17.84	18.08	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	CP-OFDM QPSK	1	1	18.20	18.03	17.95	19.00

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	CP-OFDM QPSK	1	1	/	17.12	/	18.00
		1	137	/	17.02	/	18.00
		1	271	/	16.96	/	18.00
		135	0	/	15.41	/	16.50
		135	69	/	15.65	/	16.50
		135	138	/	17.31	/	18.00
		270	0	/	15.21	/	16.50
	CP-OFDM 16QAM	1	1	/	16.32	/	17.50
	CP-OFDM 64QAM	1	1	/	14.74	/	16.00
	CP-OFDM 256QAM	1	1	/	12.00	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	17.10	16.94	17.15	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	17.01	16.83	17.11	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	17.03	16.81	16.98	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	

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60MHz	CP-OFDM QPSK	1	1	16.90	17.05	17.10	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	CP-OFDM QPSK	1	1	17.09	17.17	17.15	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	CP-OFDM QPSK	1	1	16.91	17.08	16.84	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	CP-OFDM QPSK	1	1	16.77	17.08	17.04	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	CP-OFDM QPSK	1	1	17.34	17.06	17.09	18.00

N78 PC2 DS1 0/1/2/3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	CP-OFDM QPSK	1	1	/	19.43	/	20.50
		1	137	/	19.05	/	20.50
		1	271	/	19.24	/	20.50
		135	0	/	17.53	/	19.00
		135	69	/	17.74	/	19.00
		135	138	/	19.03	/	20.50
		270	0	/	17.80	/	19.00
	CP-OFDM 16QAM	1	1	/	19.07	/	20.00
	CP-OFDM 64QAM	1	1	/	17.35	/	18.50
	CP-OFDM 256QAM	1	1	/	14.34	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	CP-OFDM QPSK	1	1	19.25	19.06	19.17	20.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	CP-OFDM QPSK	1	1	19.29	19.44	19.34	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	CP-OFDM QPSK	1	1	19.11	19.34	19.25	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	CP-OFDM QPSK	1	1	19.08	19.44	19.17	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	CP-OFDM QPSK	1	1	19.48	19.19	19.15	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	19.16	19.18	19.23	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	19.21	19.16	19.11	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	19.11	19.48	19.20	20.50

N78 PC2 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK			/	3500.01	/	
				1	15.83	/	17.00
				1	15.62	/	17.00
				1	15.68	/	17.00
				135	14.78	/	15.50
				135	14.53	/	15.50
				135	15.93	/	17.00



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		270	0	/	14.46	/	15.50
	CP-OFDM 16QAM	1	1	/	15.59	/	16.50
	CP-OFDM 64QAM	1	1	/	14.23	/	15.00
	CP-OFDM 256QAM	1	1	/	11.35	/	12.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	CP-OFDM QPSK	1	1	15.68	15.61	15.63	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	CP-OFDM QPSK	1	1	15.75	15.72	15.63	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	CP-OFDM QPSK	1	1	15.55	15.84	15.66	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	CP-OFDM QPSK	1	1	15.55	15.57	15.74	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	CP-OFDM QPSK	1	1	15.87	15.88	15.81	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	15.57	15.58	15.78	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	15.69	15.72	15.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	15.79	15.97	15.75	17.00

N78 PC2 DSI 5	Conducted Power(dBm)
SCS 30kHz(3450~3550)	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	CP-OFDM QPSK	1	1	/	15.35	/	16.50
		1	137	/	15.15	/	16.50
		1	271	/	15.19	/	16.50
		135	0	/	14.34	/	15.00
		135	69	/	13.91	/	15.00
		135	138	/	15.40	/	16.50
		270	0	/	13.98	/	15.00
	CP-OFDM 16QAM	1	1	/	15.02	/	16.00
	CP-OFDM 64QAM	1	1	/	13.59	/	14.50
	CP-OFDM 256QAM	1	1	/	10.70	/	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	CP-OFDM QPSK	1	1	15.16	15.07	15.22	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	CP-OFDM QPSK	1	1	15.24	15.12	15.17	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	CP-OFDM QPSK	1	1	15.10	15.32	15.23	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	CP-OFDM QPSK	1	1	15.18	15.11	15.13	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	CP-OFDM QPSK	1	1	15.23	15.47	15.28	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	CP-OFDM QPSK	1	1	15.08	15.05	15.17	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

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				631001	633334	635667	
30MHz	CP-OFDM QPSK	1	1	15.23	15.26	15.08	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	CP-OFDM QPSK	1	1	15.26	15.45	15.29	16.50

N78 PC2 DSI 0/1				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	CP-OFDM QPSK	1	1	/	21.98	/	22.50
		1	137	/	21.99	/	22.50
		1	271	/	21.78	/	22.50
		135	0	/	20.41	/	21.00
		135	69	/	20.39	/	21.00
		135	138	/	22.01	/	22.50
		270	0	/	20.37	/	21.00
	CP-OFDM 16QAM	1	1	/	21.08	/	22.00
	CP-OFDM 64QAM	1	1	/	19.86	/	20.50
	CP-OFDM 256QAM	1	1	/	17.02	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	21.90	21.95	21.85	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	21.82	21.89	21.92	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	21.84	21.91	21.94	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	

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60MHz	CP-OFDM QPSK	1	1	21.87	22.01	21.87	22.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				648334	650000	651668		
50MHz	CP-OFDM QPSK	1	1	21.92	22.04	21.84	22.50	
				Channel	Channel	Channel	Tune up	
Bandwidth	Modulation	RB size	RB offset		648000	650000		
					652000			
40MHz	CP-OFDM QPSK	1	1	21.89	21.99	21.90	22.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				647668	650000	652334		
30MHz	CP-OFDM QPSK	1	1	21.91	21.98	21.75	22.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				647334	650000	652668		
20MHz	CP-OFDM QPSK	1	1	21.96	21.96	21.92	22.50	

N78 PC2 DSI 2/3				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	CP-OFDM QPSK	1	1	/	21.47	/	22.00
		1	137	/	21.61	/	22.00
		1	271	/	21.36	/	22.00
		135	0	/	19.76	/	20.50
		135	69	/	19.82	/	20.50
		135	138	/	21.53	/	22.00
		270	0	/	19.73	/	20.50
	CP-OFDM 16QAM	1	1	/	20.70	/	21.50
	CP-OFDM 64QAM	1	1	/	19.44	/	20.00
	CP-OFDM 256QAM	1	1	/	16.66	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	21.26	21.45	21.26	22.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	21.23	21.51	21.56	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	21.34	21.45	21.54	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	CP-OFDM QPSK	1	1	21.47	21.52	21.39	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	CP-OFDM QPSK	1	1	21.30	21.46	21.35	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	CP-OFDM QPSK	1	1	21.49	21.42	21.49	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	CP-OFDM QPSK	1	1	21.34	21.49	21.22	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	CP-OFDM QPSK	1	1	21.48	21.33	21.29	22.00

N78 PC2 DSI 4				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK			/	3750.00	/	
		1	1	/	18.51	/	19.00
		1	137	/	18.61	/	19.00
		1	271	/	18.37	/	19.00
		135	0	/	16.84	/	17.50
		135	69	/	16.77	/	17.50
		135	138	/	18.51	/	19.00



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		270	0	/	16.78	/	17.50
	CP-OFDM 16QAM	1	1	/	17.66	/	18.50
	CP-OFDM 64QAM	1	1	/	16.36	/	17.00
	CP-OFDM 256QAM	1	1	/	13.55	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	18.29	18.39	18.32	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	18.16	18.66	18.61	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	18.41	18.50	18.51	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	CP-OFDM QPSK	1	1	18.52	18.64	18.54	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	CP-OFDM QPSK	1	1	18.20	18.36	18.41	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	CP-OFDM QPSK	1	1	18.37	18.44	18.41	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	CP-OFDM QPSK	1	1	18.21	18.56	18.29	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	CP-OFDM QPSK	1	1	18.43	18.20	18.38	19.00

N78 PC2 DSI 5	Conducted Power(dBm)
SCS 30kHz(3700~3800)	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	CP-OFDM QPSK	1	1	/	17.43	/	18.00
		1	137	/	17.63	/	18.00
		1	271	/	17.33	/	18.00
		135	0	/	15.81	/	16.50
		135	69	/	15.76	/	16.50
		135	138	/	17.65	/	18.00
		270	0	/	15.85	/	16.50
	CP-OFDM 16QAM	1	1	/	16.58	/	17.50
	CP-OFDM 64QAM	1	1	/	15.23	/	16.00
	CP-OFDM 256QAM	1	1	/	12.56	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	CP-OFDM QPSK	1	1	17.30	17.46	17.47	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	CP-OFDM QPSK	1	1	17.23	17.59	17.46	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	CP-OFDM QPSK	1	1	17.49	17.60	17.62	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	CP-OFDM QPSK	1	1	17.42	17.74	17.51	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	CP-OFDM QPSK	1	1	17.23	17.27	17.40	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	CP-OFDM QPSK	1	1	17.31	17.55	17.37	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

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				647668	650000	652334	
30MHz	CP-OFDM QPSK	1	1	17.22	17.50	17.34	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	CP-OFDM QPSK	1	1	17.33	17.32	17.46	18.00

6.4 Conducted Power of NR Antenna (Ant5)

N7 DSI 0/1/2/3/4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
				2510	2535	2560	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.44	23.60	23.64	25.00
		1	53	23.43	23.46	23.59	25.00
		1	104	23.64	23.44	23.34	25.00
		50	0	22.90	22.84	22.95	24.50
		50	28	23.35	23.48	23.35	25.00
		50	56	22.80	22.78	22.95	24.50
		100	0	22.87	22.95	23.02	24.50
	DFT-s-OFDM QPSK	1	1	23.52	23.63	23.58	25.00
		1	53	23.40	23.60	23.62	25.00
		1	104	23.36	23.31	23.22	25.00
		50	0	22.30	22.60	22.64	24.00
		50	28	23.38	23.51	23.31	25.00
		50	56	22.44	22.37	22.18	24.00
		100	0	22.40	22.44	22.36	24.00
	DFT-s-OFDM 16QAM	1	1	22.33	22.87	22.86	24.00
	DFT-s-OFDM 64QAM	1	1	21.06	21.03	20.71	22.50
	DFT-s-OFDM 256QAM	1	1	18.99	19.25	18.83	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	CP-OFDM QPSK	1	1	21.85	22.19	22.08	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	23.45	23.58	23.39	25.00



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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	23.48	23.59	23.55	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	23.45	23.32	23.29	25.00



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N70 DS10/1/2/3/4/5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	340500	/	
15MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.80	/	24.00
		1	40	/	23.85	/	24.00
		1	77	/	23.89	/	24.00
		36	0	/	23.23	/	23.50
		36	22	/	23.66	/	24.00
		36	43	/	23.31	/	23.50
		75	0	/	23.41	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.80	/	24.00
		1	40	/	23.82	/	24.00
		1	77	/	23.96	/	24.00
		36	0	/	22.80	/	23.00
		36	22	/	23.74	/	24.00
		36	43	/	22.88	/	23.00
		75	0	/	22.84	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.90	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.38	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.25	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	340500	/	
15MHz	CP-OFDM QPSK	1	1	/	22.13	/	22.50

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6.5 Conducted Power of NR Antenna (Ant7)

N77 PC3 DS1 0/1				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.67	/	23.00
		1	137	/	22.33	/	23.00
		1	271	/	22.13	/	23.00
		135	0	/	21.64	/	22.50
		135	69	/	22.52	/	23.00
		135	138	/	21.17	/	22.50
		270	0	/	22.07	/	22.50
	DFT-s-OFDM QPSK	1	1	/	22.84	/	23.00
		1	137	/	22.43	/	23.00
		1	271	/	22.20	/	23.00
		135	0	/	21.65	/	22.00
		135	69	/	22.53	/	23.00
		135	138	/	21.17	/	22.00
		270	0	/	21.52	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	21.81	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	20.17	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	18.16	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.19	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	22.44	22.51	22.44	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	22.23	22.57	22.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	22.74	22.51	22.47	23.00
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	22.36	22.58	22.50	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	22.38	22.50	22.59	23.00

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N77 PC3 DS1 2/3				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.13	/	22.50
		1	137	/	21.78	/	22.50
		1	271	/	21.57	/	22.50
		135	0	/	21.20	/	22.00
		135	69	/	22.09	/	22.50
		135	138	/	20.74	/	22.00
		270	0	/	21.63	/	22.00
	DFT-s-OFDM QPSK	1	1	/	22.33	/	22.50
		1	137	/	21.85	/	22.50
		1	271	/	21.72	/	22.50
		135	0	/	21.14	/	21.50
		135	69	/	22.03	/	22.50
		135	138	/	20.68	/	21.50
		270	0	/	20.96	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	21.23	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	19.69	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	17.65	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	20.72	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.93	22.00	21.93	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.72	22.13	21.92	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	22.31	21.99	21.90	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	

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30MHz	DFT-s-OFDM QPSK	1	1	21.89	21.99	22.08	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.78	21.91	22.19	22.50



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N77 PC3 DS1 4				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.80	/	20.00
		1	137	/	19.62	/	20.00
		1	271	/	19.33	/	20.00
		135	0	/	18.73	/	19.50
		135	69	/	19.55	/	20.00
		135	138	/	18.34	/	19.50
		270	0	/	19.08	/	19.50
	DFT-s-OFDM QPSK	1	1	/	19.88	/	20.00
		1	137	/	19.49	/	20.00
		1	271	/	19.21	/	20.00
		135	0	/	18.57	/	19.00
		135	69	/	19.67	/	20.00
		135	138	/	18.36	/	19.00
		270	0	/	18.66	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.94	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	17.38	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	15.22	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	18.33	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.70	19.81	19.59	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	19.42	19.66	19.65	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.75	19.68	19.53	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	

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30MHz	DFT-s-OFDM QPSK	1	1	19.57	19.74	19.54	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	19.54	19.76	19.60	20.00



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N77 PC3 DS1 5				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.39	/	19.50
		1	137	/	19.20	/	19.50
		1	271	/	18.90	/	19.50
		135	0	/	18.29	/	19.00
		135	69	/	19.14	/	19.50
		135	138	/	17.82	/	19.00
		270	0	/	18.67	/	19.00
	DFT-s-OFDM QPSK	1	1	/	19.30	/	19.50
		1	137	/	19.03	/	19.50
		1	271	/	18.77	/	19.50
		135	0	/	18.05	/	18.50
		135	69	/	19.24	/	19.50
		135	138	/	17.96	/	18.50
		270	0	/	18.13	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	18.50	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	16.78	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	14.81	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	17.87	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.17	19.37	19.02	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	18.93	19.22	19.21	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.22	19.26	19.13	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	

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30MHz	DFT-s-OFDM QPSK	1	1	19.03	19.32	19.09	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.94	19.18	19.15	19.50



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