

Band					LTE 26(DSI-1&2&3) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	26765 821.5	26865 831.5	26965 841.5	Tune-up Limit (dBm)
15	QPSK	1	0	0	23.03	23.14	23.01	24.5
		1	37	0	22.86	22.86	22.78	24.5
		1	74	0	22.61	22.61	22.65	24.5
		36	0	1	22.32	22.44	22.28	23.5
		36	19	1	22.29	22.34	22.19	23.5
		36	39	1	22.25	22.36	22.18	23.5
	16QAM	75	0	1	22.35	22.39	22.30	23.5
		1	0	1	22.09	22.22	22.12	23.5
		1	37	1	22.10	22.15	22.04	23.5
		1	74	1	22.03	22.05	22.13	23.5
		36	0	2	21.17	21.13	21.07	22.5
		36	19	2	20.94	21.13	21.12	22.5
	64QAM	36	39	2	21.05	21.12	21.03	22.5
		75	0	2	21.13	21.10	21.11	22.5
		1	0	2	20.95	20.99	20.97	22.5
		1	37	2	20.94	21.04	21.04	22.5
		1	74	2	20.91	20.96	20.98	22.5
		36	0	3	19.93	20.02	19.96	21.5
	256QAM	36	19	3	19.84	19.80	19.86	21.5
		36	39	3	19.73	19.95	19.90	21.5
		75	0	3	19.88	19.92	19.84	21.5
		1	0	5	17.90	18.00	17.85	19.5
		1	37	5	17.87	17.96	17.86	19.5
		1	74	5	17.90	17.95	17.92	19.5
	256QAM	36	0	5	17.90	17.96	17.93	19.5
		36	19	5	17.84	17.95	17.82	19.5
		36	39	5	17.81	17.77	17.84	19.5
		75	0	5	17.85	17.88	17.84	19.5

Band					LTE 30(DSI-1) Ant 6	
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	27710 2310.0	Tune-up Limit (dBm)
10	QPSK	1	0	0	19.98	20
		1	24	0	19.83	20
		1	49	0	19.88	20
		25	0	0	19.82	20
		25	12	0	19.80	20
		25	25	0	19.78	20
	16QAM	50	0	0	19.81	20
		1	0	0	19.93	20
		1	24	0	19.84	20
		1	49	0	19.84	20
		25	0	0	19.91	20
		25	12	0	19.82	20
	64QAM	25	25	0	19.92	20
		50	0	0	19.73	20
		1	0	0	19.87	20
		1	24	0	19.68	20
		1	49	0	19.59	20
		25	0	0	19.64	20
	256QAM	25	12	0	19.56	20
		25	25	0	19.77	20
		50	0	0	19.75	20
		1	0	0	19.81	20
		1	24	0	19.58	20
		1	49	0	19.60	20
	256QAM	25	0	0	19.71	20
		25	12	0	19.63	20
		25	25	0	19.74	20
		50	0	0	19.78	20

BW (MHz)	Modulation	Band			LTE 30(DSI-2) Ant 6	
		RB Size	RB Offset	3GPP MPR (dB)	27710	Tune-up Limit (dBm)
					2310.0	
10	QPSK	1	0	0	21.97	22
		1	24	0	21.76	22
		1	49	0	21.73	22
		25	0	1	20.85	21
		25	12	1	20.77	21
		25	25	1	20.76	21
		50	0	1	20.72	21
	16QAM	1	0	1	20.69	21
		1	24	1	20.65	21
		1	49	1	20.55	21
		25	0	2	19.74	20
		25	12	2	19.86	20
		25	25	2	19.81	20
		50	0	2	19.90	20
	64QAM	1	0	2	19.73	20
		1	24	2	19.80	20
		1	49	2	19.78	20
		25	0	3	18.96	19
		25	12	3	18.90	19
		25	25	3	18.98	19
		50	0	3	18.95	19
	256QAM	1	0	5	16.91	17
		1	24	5	16.83	17
		1	49	5	16.80	17
		25	0	5	16.74	17
		25	12	5	16.86	17
		25	25	5	16.83	17
		50	0	5	16.85	17

BW (MHz)	Modulation	Band			LTE 30(DSI-3) Ant 6	
		RB Size	RB Offset	0GPP MPR (dB)	27710	Tune-up Limit (dBm)
					2310.0	
10	QPSK	1	0	0	20.98	21
		1	24	0	20.82	21
		1	49	0	20.72	21
		25	0	0	20.71	21
		25	12	0	20.65	21
		25	25	0	20.45	21
		50	0	0	20.76	21
	16QAM	1	0	0	20.70	21
		1	24	0	20.59	21
		1	49	0	20.49	21
		25	0	0	20.54	21
		25	12	0	20.63	21
		25	25	0	20.52	21
		50	0	0	20.70	21
	64QAM	1	0	0	20.48	21
		1	24	0	20.80	21
		1	49	0	20.47	21
		25	0	0	20.70	21
		25	12	0	20.66	21
		25	25	0	20.47	21
		50	0	0	20.71	21
	256QAM	1	0	0	20.46	21
		1	24	0	20.54	21
		1	49	0	20.50	21
		25	0	0	20.59	21
		25	12	0	20.49	21
		25	25	0	20.65	21
		50	0	0	20.60	21

BW (MHz)	Modulation	Band			LTE 38(DSI-1) Ant 4			
		RB Size	RB Offset	0GPP MPR (dB)	37850	38000	38150	Tune-up Limit (dBm)
					2580.0	2595.0	2610.0	
20	QPSK	1	0	0	18.72	18.79	18.76	19
		1	49	0	18.58	18.75	18.72	19
		1	99	0	18.68	18.53	18.53	19
		50	0	0	18.68	18.71	18.69	19
		50	25	0	18.63	18.46	18.59	19
		50	50	0	18.64	18.67	18.54	19
		100	0	0	18.62	18.68	18.67	19
	16QAM	1	0	0	18.53	18.55	18.59	19
		1	49	0	18.49	18.40	18.57	19
		1	99	0	18.52	18.42	18.45	19
		50	0	0	18.55	18.56	18.49	19
		50	25	0	18.54	18.42	18.44	19
		50	50	0	18.54	18.52	18.48	19
		100	0	0	18.41	18.40	18.53	19
	64QAM	1	0	0	18.64	18.65	18.58	19
		1	49	0	18.56	18.32	18.43	19
		1	99	0	18.56	18.55	18.55	19
		50	0	0	18.54	18.57	18.52	19
		50	25	0	18.36	18.30	18.48	19
		50	50	0	18.49	18.59	18.58	19
		100	0	0	18.50	18.48	18.55	19
	256QAM	1	0	0	18.47	18.44	18.52	19
		1	49	0	18.41	18.49	18.39	19
		1	99	0	18.46	18.49	18.44	19
		50	0	0	18.55	18.41	18.36	19
		50	25	0	18.54	18.47	18.59	19
		50	50	0	18.50	18.48	18.54	19
		100	0	0	18.47	18.49	18.49	19

BW (MHz)	Modulation	Band			LTE 38(DSI-2) Ant 4			
		RB Size	RB Offset	3GPP MPR (dB)	37850	38000	38150	Tune-up Limit (dBm)
					2580.0	2595.0	2610.0	
20	QPSK	1	0	0	22.67	22.71	22.61	23
		1	49	0	22.56	22.61	22.60	23
		1	99	0	22.23	22.30	22.25	23
		50	0	1	21.89	21.88	21.81	22
		50	25	1	21.83	21.83	21.75	22
		50	50	1	21.77	21.79	21.73	22
		100	0	1	21.71	21.72	21.68	22
	16QAM	1	0	1	21.53	21.51	21.52	22
		1	49	1	21.50	21.50	21.46	22
		1	99	1	21.31	21.31	21.21	22
		50	0	2	20.43	20.43	20.50	21
		50	25	2	20.49	20.49	20.52	21
		50	50	2	20.45	20.44	20.42	21
		100	0	2	20.34	20.33	20.40	21
	64QAM	1	0	2	20.31	20.24	20.22	21
		1	49	2	20.33	20.32	20.31	21
		1	99	2	20.31	20.32	20.30	21
		50	0	3	19.67	19.63	19.59	20
		50	25	3	19.43	19.39	19.44	20
		50	50	3	19.59	19.63	19.64	20
		100	0	3	19.54	19.58	19.49	20
	256QAM	1	0	5	17.71	17.75	17.69	18
		1	49	5	17.55	17.57	17.56	18
		1	99	5	17.62	17.59	17.62	18
		50	0	5	17.54	17.61	17.56	18
		50	25	5	17.51	17.53	17.53	18
		50	50	5	17.43	17.36	17.40	18
		100	0	5	17.52	17.56	17.46	18

Band					LTE 38(DSI-3) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	37850	38000	38150	Tune-up Limit (dBm)
					2580.0	2595.0	2610.0	
20	QPSK	1	0	0	21.91	21.97	21.95	22
		1	49	0	21.78	21.88	21.84	22
		1	99	0	21.57	21.79	21.70	22
		50	0	0	21.74	21.76	21.51	22
		50	25	0	21.60	21.75	21.76	22
		50	50	0	21.67	21.55	21.69	22
		100	0	0	21.73	21.84	21.65	22
	16QAM	1	0	0	21.66	21.85	21.75	22
		1	49	0	21.71	21.72	21.65	22
		1	99	0	21.62	21.59	21.72	22
		50	0	0	21.60	21.65	21.54	22
		50	25	0	21.65	21.79	21.57	22
		50	50	0	21.69	21.54	21.54	22
		100	0	0	21.65	21.75	21.59	22
	64QAM	1	0	0	21.54	21.53	21.69	22
		1	49	0	21.69	21.93	21.67	22
		1	99	0	21.69	21.55	21.50	22
		50	0	0	21.59	21.78	21.66	22
		50	25	0	21.64	21.73	21.61	22
		50	50	0	21.39	21.54	21.55	22
		100	0	0	21.61	21.79	21.64	22
	256QAM	1	0	0	21.52	21.63	21.59	22
		1	49	0	21.59	21.59	21.65	22
		1	99	0	21.55	21.64	21.50	22
		50	0	0	21.52	21.66	21.57	22
		50	25	0	21.71	21.60	21.44	22
		50	50	0	21.58	21.72	21.61	22
		100	0	0	21.57	21.70	21.62	22

Band					LTE 41(DSI-1) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	39750	40185	40620	41055	41490	Tune-up Limit (dBm)
					2506.0	2549.5	2593.0	2636.5	2680.0	
20	QPSK	1	0	0	18.84	18.88	18.87	18.81	18.84	19
		1	49	0	18.77	18.85	18.75	18.71	18.69	19
		1	99	0	18.54	18.77	18.64	18.67	18.67	19
		50	0	0	18.69	18.72	18.56	18.66	18.53	19
		50	25	0	18.59	18.63	18.45	18.57	18.48	19
		50	50	0	18.68	18.48	18.39	18.37	18.36	19
		100	0	0	18.66	18.71	18.69	18.61	18.68	19
	16QAM	1	0	0	18.59	18.71	18.75	18.71	18.66	19
		1	49	0	18.68	18.64	18.65	18.61	18.52	19
		1	99	0	18.61	18.51	18.74	18.41	18.67	19
		50	0	0	18.63	18.61	18.45	18.49	18.35	19
		50	25	0	18.59	18.63	18.57	18.52	18.54	19
		50	50	0	18.68	18.51	18.60	18.45	18.54	19
		100	0	0	18.59	18.67	18.51	18.65	18.51	19
	64QAM	1	0	0	18.46	18.46	18.68	18.41	18.51	19
		1	49	0	18.76	18.79	18.64	18.81	18.61	19
		1	99	0	18.67	18.47	18.54	18.39	18.41	19
		50	0	0	18.60	18.69	18.61	18.60	18.56	19
		50	25	0	18.66	18.60	18.66	18.60	18.54	19
		50	50	0	18.42	18.49	18.55	18.41	18.54	19
		100	0	0	18.56	18.68	18.67	18.66	18.71	19
	256QAM	1	0	0	18.54	18.51	18.58	18.51	18.52	19
		1	49	0	18.61	18.45	18.67	18.38	18.53	19
		1	99	0	18.56	18.60	18.45	18.52	18.51	19
		50	0	0	18.55	18.60	18.58	18.58	18.52	19
		50	25	0	18.67	18.53	18.48	18.36	18.51	19
		50	50	0	18.64	18.67	18.66	18.52	18.60	19
		100	0	0	18.66	18.54	18.60	18.55	18.60	19

BW (MHz)	Modulation	Band			LTE 41(DSI-2) Ant 4					
		RB Size	RB Offset	3GPP MPR (dB)	39750	40185	40620	41055	41490	Tune-up Limit (dBm)
					2506.0	2549.5	2593.0	2636.5	2680.0	
20	QPSK	1	0	0	22.24	22.25	22.20	22.09	22.05	23
		1	49	0	21.89	22.14	21.85	21.78	22.08	23
		1	99	0	21.53	21.73	21.52	21.53	21.67	23
		50	0	1	21.17	21.37	21.05	21.08	21.18	22
		50	25	1	21.05	21.33	21.07	21.11	21.17	22
		50	50	1	21.04	21.26	20.96	21.03	21.20	22
		100	0	1	21.10	21.16	20.97	21.07	21.03	22
	16QAM	1	0	1	20.83	20.88	20.74	20.89	20.84	22
		1	49	1	20.88	20.93	20.79	20.82	20.83	22
		1	99	1	20.63	20.77	20.51	20.56	20.61	22
		50	0	2	19.73	19.85	19.71	19.57	19.80	21
		50	25	2	19.73	19.96	19.90	19.68	19.89	21
		50	50	2	19.73	19.84	19.65	19.67	19.80	21
		100	0	2	19.68	19.77	19.66	19.67	19.72	21
	64QAM	1	0	2	19.52	19.73	19.46	19.52	19.64	21
		1	49	2	19.62	19.75	19.66	19.69	19.80	21
		1	99	2	19.64	19.74	19.55	19.59	19.65	21
		50	0	3	19.03	19.03	18.89	18.95	18.99	20
		50	25	3	18.73	18.91	18.71	18.68	18.93	20
		50	50	3	18.88	19.09	18.92	18.84	18.96	20
		100	0	3	18.82	19.07	18.82	18.83	18.97	20
	256QAM	1	0	5	16.95	17.20	16.91	16.96	17.17	18
		1	49	5	16.84	17.05	16.81	16.82	16.98	18
		1	99	5	16.96	17.02	16.93	16.89	16.97	18
		50	0	5	16.85	17.02	16.91	16.74	17.05	18
		50	25	5	16.84	16.90	16.82	16.85	16.92	18
		50	50	5	16.73	16.86	16.67	16.61	16.83	18
		100	0	5	16.91	16.96	16.73	16.84	16.96	18

BW (MHz)	Modulation	Band			LTE 41(DSI-3) Ant 4					
		RB Size	RB Offset	0GPP MPR (dB)	39750	40185	40620	41055	41490	Tune-up Limit (dBm)
					2506.0	2549.5	2593.0	2636.5	2680.0	
20	QPSK	1	0	0	21.95	21.99	21.89	21.84	21.96	22
		1	49	0	21.81	21.83	21.76	21.73	21.71	22
		1	99	0	21.51	21.80	21.64	21.65	21.72	22
		50	0	0	21.75	21.85	21.50	21.64	21.59	22
		50	25	0	21.55	21.81	21.74	21.59	21.64	22
		50	50	0	21.67	21.51	21.64	21.36	21.60	22
		100	0	0	21.63	21.80	21.65	21.64	21.63	22
	16QAM	1	0	0	21.67	21.83	21.76	21.73	21.71	22
		1	49	0	21.65	21.75	21.66	21.65	21.60	22
		1	99	0	21.66	21.56	21.77	21.42	21.71	22
		50	0	0	21.58	21.72	21.54	21.58	21.36	22
		50	25	0	21.57	21.77	21.65	21.53	21.50	22
		50	50	0	21.69	21.59	21.53	21.41	21.48	22
		100	0	0	21.60	21.80	21.58	21.65	21.52	22
	64QAM	1	0	0	21.45	21.53	21.65	21.40	21.59	22
		1	49	0	21.75	21.87	21.68	21.77	21.60	22
		1	99	0	21.71	21.49	21.49	21.32	21.44	22
		50	0	0	21.62	21.74	21.70	21.56	21.55	22
		50	25	0	21.69	21.78	21.60	21.62	21.57	22
		50	50	0	21.42	21.49	21.58	21.37	21.49	22
		100	0	0	21.57	21.77	21.61	21.68	21.62	22
	256QAM	1	0	0	21.60	21.58	21.50	21.47	21.48	22
		1	49	0	21.53	21.57	21.63	21.38	21.54	22
		1	99	0	21.46	21.67	21.53	21.50	21.47	22
		50	0	0	21.50	21.73	21.50	21.52	21.48	22
		50	25	0	21.66	21.54	21.47	21.44	21.44	22
		50	50	0	21.64	21.76	21.66	21.52	21.56	22
		100	0	0	21.56	21.60	21.60	21.52	21.58	22

Band					LTE 42(DSI-1) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	42190 3460.0	42623 3503.3	43057 3546.7	43490 3590.0	Tune-up Limit (dBm)
20	QPSK	1	0	0	19.96	19.98	19.99	19.96	20
		1	49	0	19.64	19.50	19.72	19.67	20
		1	99	0	19.73	19.60	19.61	19.63	20
		50	0	0	19.67	19.70	19.79	19.65	20
		50	25	0	19.66	19.54	19.68	19.56	20
		50	50	0	19.63	19.69	19.76	19.59	20
		100	0	0	19.69	19.71	19.72	19.66	20
	16QAM	1	0	0	19.70	19.75	19.79	19.89	20
		1	49	0	19.64	19.60	19.67	19.60	20
		1	99	0	19.65	19.60	19.59	19.65	20
		50	0	0	19.66	19.75	19.66	19.67	20
		50	25	0	19.71	19.60	19.64	19.57	20
		50	50	0	19.70	19.64	19.68	19.79	20
		100	0	0	19.60	19.51	19.68	19.66	20
	64QAM	1	0	0	19.76	19.75	19.77	19.93	20
		1	49	0	19.68	19.52	19.59	19.66	20
		1	99	0	19.68	19.65	19.73	19.65	20
		50	0	0	19.73	19.70	19.71	19.64	20
		50	25	0	19.55	19.49	19.66	19.64	20
		50	50	0	19.68	19.74	19.70	19.74	20
		100	0	0	19.68	19.66	19.67	19.74	20
	256QAM	1	0	0	19.69	19.62	19.71	19.78	20
		1	49	0	19.59	19.50	19.70	19.56	20
		1	99	0	19.67	19.60	19.58	19.63	20
		50	0	0	19.52	19.56	19.64	19.71	20
		50	25	0	19.81	19.69	19.74	19.60	20
		50	50	0	19.76	19.72	19.73	19.73	20
		100	0	0	19.71	19.65	19.63	19.77	20

Band					LTE 42(DSI-2) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	42190 3460.0	42623 3503.3	43057 3546.7	43490 3590.0	Tune-up Limit (dBm)
20	QPSK	1	0	0	21.96	21.94	21.99	21.98	22
		1	49	0	21.89	21.87	21.95	21.91	22
		1	99	0	21.79	21.77	21.85	21.77	22
		50	0	1	20.89	20.92	20.95	20.91	21
		50	25	1	20.87	20.89	20.91	20.88	21
		50	50	1	20.94	20.90	20.94	20.82	21
		100	0	1	20.82	20.81	20.93	20.92	21
	16QAM	1	0	1	20.60	20.60	20.55	20.67	21
		1	49	1	20.62	20.61	20.54	20.66	21
		1	99	1	20.35	20.41	20.34	20.54	21
		50	0	2	19.42	19.43	19.47	19.54	20
		50	25	2	19.52	19.56	19.54	19.63	20
		50	50	2	19.50	19.44	19.47	19.50	20
		100	0	2	19.39	19.41	19.37	19.42	20
	64QAM	1	0	2	19.31	19.33	19.29	19.35	20
		1	49	2	19.41	19.49	19.46	19.38	20
		1	99	2	19.34	19.27	19.34	19.38	20
		50	0	3	18.67	18.64	18.62	18.65	19
		50	25	3	18.54	18.57	18.62	18.51	19
		50	50	3	18.61	18.61	18.61	18.73	19
		100	0	3	18.64	18.66	18.62	18.68	19
	256QAM	1	0	5	16.85	16.84	16.83	16.87	17
		1	49	5	16.62	16.65	16.61	16.75	17
		1	99	5	16.65	16.57	16.58	16.69	17
		50	0	5	16.69	16.71	16.72	16.72	17
		50	25	5	16.58	16.58	16.55	16.57	17
		50	50	5	16.47	16.53	16.51	16.49	17
		100	0	5	16.63	16.58	16.57	16.60	17

Band					LTE 42(DSI-3) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	42190 3460.0	42623 3503.3	43057 3546.7	43490 3590.0	Tune-up Limit (dBm)
20	QPSK	1	0	0	20.93	20.97	20.99	20.98	21
		1	49	0	20.76	20.79	20.75	20.84	21
		1	99	0	20.60	20.79	20.73	20.63	21
		50	0	0	20.69	20.75	20.81	20.53	21
		50	25	0	20.57	20.61	20.78	20.66	21
		50	50	0	20.66	20.40	20.62	20.69	21
		100	0	0	20.65	20.78	20.68	20.80	21
	16QAM	1	0	0	20.61	20.75	20.73	20.78	21
		1	49	0	20.68	20.64	20.60	20.72	21
		1	99	0	20.60	20.44	20.73	20.74	21
		50	0	0	20.63	20.54	20.47	20.67	21
		50	25	0	20.57	20.59	20.61	20.75	21
		50	50	0	20.73	20.54	20.56	20.79	21
		100	0	0	20.58	20.69	20.58	20.68	21
	64QAM	1	0	0	20.52	20.43	20.62	20.59	21
		1	49	0	20.72	20.83	20.64	20.77	21
		1	99	0	20.63	20.39	20.49	20.74	21
		50	0	0	20.64	20.67	20.63	20.72	21
		50	25	0	20.66	20.68	20.60	20.81	21
		50	50	0	20.38	20.45	20.56	20.49	21
		100	0	0	20.62	20.71	20.63	20.74	21
	256QAM	1	0	0	20.54	20.48	20.58	20.63	21
		1	49	0	20.55	20.44	20.58	20.69	21
		1	99	0	20.54	20.50	20.53	20.57	21
		50	0	0	20.56	20.54	20.56	20.65	21
		50	25	0	20.63	20.54	20.47	20.74	21
		50	50	0	20.59	20.65	20.61	20.69	21
		100	0	0	20.63	20.58	20.70	20.67	21

Band					LTE 48(DSI-1) Ant 2				Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	55340 3560.0	55773 3603.3	56207 3646.7	56640 3690.0	
20	QPSK	1	0	0	19.99	19.98	19.94	19.96	20
		1	49	0	19.43	19.70	19.63	19.73	20
		1	99	0	19.56	19.60	19.55	19.66	20
		50	0	0	19.72	19.70	19.64	19.71	20
		50	25	0	19.52	19.61	19.56	19.64	20
		50	50	0	19.68	19.62	19.59	19.61	20
		100	0	0	19.68	19.63	19.60	19.66	20
	16QAM	1	0	0	19.69	19.69	19.81	19.80	20
		1	49	0	19.59	19.65	19.52	19.65	20
		1	99	0	19.50	19.56	19.61	19.62	20
		50	0	0	19.68	19.65	19.62	19.68	20
		50	25	0	19.56	19.60	19.57	19.62	20
		50	50	0	19.63	19.64	19.71	19.63	20
		100	0	0	19.51	19.67	19.64	19.69	20
	64QAM	1	0	0	19.75	19.69	19.88	19.76	20
		1	49	0	19.51	19.59	19.57	19.69	20
		1	99	0	19.60	19.73	19.59	19.71	20
		50	0	0	19.64	19.62	19.55	19.69	20
		50	25	0	19.48	19.66	19.55	19.61	20
		50	50	0	19.73	19.61	19.64	19.74	20
		100	0	0	19.61	19.60	19.67	19.60	20
	256QAM	1	0	0	19.83	19.73	19.64	19.71	20
		1	49	0	19.88	19.63	19.56	19.65	20
		1	99	0	19.86	19.60	19.61	19.59	20
		50	0	0	19.84	19.55	19.56	19.60	20
		50	25	0	19.94	19.76	19.72	19.76	20
		50	50	0	19.92	19.74	19.73	19.77	20
		100	0	0	19.87	19.73	19.60	19.61	20

Band					LTE 48(DSI-2) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	55340 3560.0	55773 3603.3	56207 3646.7	56640 3690.0	Tune-up Limit (dBm)
20	QPSK	1	0	0	21.99	21.96	21.95	21.94	22
		1	49	0	21.95	21.78	21.94	21.89	22
		1	99	0	21.83	21.69	21.82	21.73	22
		50	0	1	20.96	20.86	20.94	20.84	21
		50	25	1	20.88	20.88	20.82	20.88	21
		50	50	1	20.93	20.88	20.89	20.72	21
		100	0	1	20.93	20.79	20.86	20.92	21
	16QAM	1	0	1	20.53	20.51	20.50	20.65	21
		1	49	1	20.45	20.57	20.45	20.61	21
		1	99	1	20.25	20.35	20.29	20.50	21
		50	0	2	19.45	19.43	19.44	19.48	20
		50	25	2	19.50	19.53	19.51	19.62	20
		50	50	2	19.41	19.41	19.44	19.47	20
		100	0	2	19.27	19.38	19.28	19.40	20
	64QAM	1	0	2	19.27	19.33	19.28	19.25	20
		1	49	2	19.40	19.39	19.43	19.29	20
		1	99	2	19.34	19.20	19.30	19.36	20
		50	0	3	18.57	18.59	18.55	18.60	19
		50	25	3	18.58	18.51	18.61	18.50	19
		50	50	3	18.60	18.52	18.60	18.68	19
		100	0	3	18.52	18.60	18.55	18.60	19
	256QAM	1	0	5	16.78	16.78	16.73	16.85	17
		1	49	5	16.55	16.59	16.53	16.70	17
		1	99	5	16.54	16.57	16.53	16.65	17
		50	0	5	16.69	16.69	16.65	16.71	17
		50	25	5	16.48	16.55	16.53	16.52	17
		50	50	5	16.44	16.49	16.49	16.43	17
		100	0	5	16.54	16.56	16.51	16.59	17

Band					LTE 48(DSI-3) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	55340 3560.0	55773 3603.3	56207 3646.7	56640 3690.0	Tune-up Limit (dBm)
20	QPSK	1	0	0	20.99	20.95	20.95	20.92	21
		1	49	0	20.87	20.72	20.78	20.74	21
		1	99	0	20.71	20.71	20.64	20.57	21
		50	0	0	20.87	20.69	20.59	20.67	21
		50	25	0	20.71	20.66	20.72	20.55	21
		50	50	0	20.75	20.42	20.64	20.68	21
		100	0	0	20.78	20.75	20.65	20.72	21
	16QAM	1	0	0	20.76	20.74	20.78	20.59	21
		1	49	0	20.85	20.64	20.66	20.71	21
		1	99	0	20.84	20.50	20.71	20.62	21
		50	0	0	20.69	20.56	20.49	20.62	21
		50	25	0	20.79	20.64	20.57	20.58	21
		50	50	0	20.82	20.52	20.53	20.66	21
		100	0	0	20.71	20.60	20.57	20.60	21
	64QAM	1	0	0	20.60	20.45	20.70	20.47	21
		1	49	0	20.87	20.82	20.65	20.74	21
		1	99	0	20.84	20.40	20.50	20.62	21
		50	0	0	20.77	20.64	20.69	20.57	21
		50	25	0	20.87	20.69	20.68	20.62	21
		50	50	0	20.59	20.48	20.59	20.42	21
		100	0	0	20.76	20.64	20.68	20.66	21
	256QAM	1	0	0	20.75	20.55	20.54	20.54	21
		1	49	0	20.73	20.46	20.65	20.56	21
		1	99	0	20.64	20.60	20.46	20.47	21
		50	0	0	20.64	20.61	20.50	20.48	21
		50	25	0	20.83	20.52	20.48	20.71	21
		50	50	0	20.73	20.57	20.64	20.67	21
		100	0	0	20.74	20.53	20.67	20.65	21

BW (MHz)	Modulation	Band			LTE 66(DSI-1) Ant 2			
		RB Size	RB Offset	0GPP MPR (dB)	132072 1720.0	132322 1745.0	132572 1770.0	Tune-up Limit (dBm)
20	QPSK	1	0	0	19.97	19.98	19.96	20
		1	49	0	19.71	19.77	19.74	20
		1	99	0	19.66	19.75	19.82	20
		50	0	0	19.65	19.79	19.74	20
		50	25	0	19.48	19.72	19.70	20
		50	50	0	19.34	19.68	19.63	20
		100	0	0	19.52	19.77	19.73	20
	16QAM	1	0	0	19.62	19.71	19.92	20
		1	49	0	19.52	19.57	19.77	20
		1	99	0	19.36	19.70	19.87	20
		50	0	0	19.46	19.37	19.74	20
		50	25	0	19.44	19.54	19.78	20
		50	50	0	19.35	19.56	19.80	20
		100	0	0	19.59	19.53	19.76	20
	64QAM	1	0	0	19.40	19.58	19.90	20
		1	49	0	19.81	19.70	19.73	20
		1	99	0	19.31	19.51	19.84	20
		50	0	0	19.51	19.57	19.72	20
		50	25	0	19.55	19.60	19.70	20
		50	50	0	19.37	19.62	19.83	20
		100	0	0	19.64	19.73	19.73	20
	256QAM	1	0	0	19.44	19.61	20.11	20
		1	49	0	19.38	19.60	19.82	20
		1	99	0	19.42	19.54	19.83	20
		50	0	0	19.53	19.61	19.82	20
		50	25	0	19.28	19.55	19.76	20
		50	50	0	19.51	19.62	19.83	20
		100	0	0	19.49	19.62	19.70	20

BW (MHz)	Modulation	Band			LTE 66(DSI-2) Ant 2			
		RB Size	RB Offset	3GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	22.97	22.99	22.94	23
		1	49	0	22.78	22.76	22.68	23
		1	99	0	22.57	22.52	22.60	23
		50	0	1	21.92	21.97	21.85	22
		50	25	1	21.85	21.89	21.70	22
		50	50	1	21.83	21.94	21.71	22
	16QAM	100	0	1	21.80	21.95	21.90	22
		1	0	1	21.81	21.69	21.69	22
		1	49	1	21.75	21.69	21.62	22
		1	99	1	21.58	21.53	21.68	22
		50	0	2	20.74	20.87	20.67	21
		50	25	2	20.82	20.58	20.81	21
	64QAM	50	50	2	20.74	20.67	20.69	21
		100	0	2	20.72	20.78	20.81	21
		1	0	2	20.60	20.56	20.62	21
		1	49	2	20.65	20.57	20.68	21
		1	99	2	20.60	20.56	20.65	21
		50	0	3	19.96	19.90	19.86	20
	256QAM	50	25	3	19.72	19.81	19.86	20
		50	50	3	19.92	19.73	19.87	20
		100	0	3	19.85	19.83	19.84	20
		1	0	5	17.98	17.84	17.83	18
		1	49	5	17.86	17.85	17.76	18
		1	99	5	17.89	17.89	17.92	18
	256QAM	50	0	5	17.89	17.84	17.90	18
		50	25	5	17.85	17.78	17.76	18
		50	50	5	17.68	17.80	17.75	18
		100	0	5	17.85	17.78	17.78	18

BW (MHz)	Modulation	Band			LTE 66(DSI-3) Ant 2			
		RB Size	RB Offset	0GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	21.96	21.98	21.94	22
		1	49	0	21.77	21.74	21.84	22
		1	99	0	21.53	21.69	21.64	22
		50	0	0	21.69	21.67	21.55	22
		50	25	0	21.56	21.62	21.76	22
		50	50	0	21.69	21.49	21.65	22
	16QAM	100	0	0	21.79	21.77	21.66	22
		1	0	0	21.63	21.75	21.70	22
		1	49	0	21.72	21.64	21.67	22
		1	99	0	21.68	21.45	21.68	22
		50	0	0	21.61	21.54	21.54	22
		50	25	0	21.62	21.67	21.59	22
	64QAM	50	50	0	21.63	21.49	21.59	22
		100	0	0	21.63	21.61	21.57	22
		1	0	0	21.54	21.48	21.69	22
		1	49	0	21.75	21.81	21.60	22
		1	99	0	21.72	21.44	21.47	22
		50	0	0	21.57	21.66	21.63	22
	256QAM	50	25	0	21.63	21.64	21.61	22
		50	50	0	21.45	21.49	21.57	22
		100	0	0	21.62	21.63	21.65	22
		1	0	0	21.54	21.51	21.58	22
		1	49	0	21.58	21.44	21.68	22
		1	99	0	21.54	21.59	21.55	22
	256QAM	50	0	0	21.51	21.57	21.54	22
		50	25	0	21.61	21.46	21.42	22
		50	50	0	21.60	21.61	21.69	22
		100	0	0	21.61	21.59	21.65	22

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Band					LTE 2(DSI-1) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	18700	18900	19100	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	QPSK	1	0	0	22.76	22.93	22.91	24
		1	49	0	22.55	22.85	22.71	24
		1	99	0	22.47	22.75	22.64	24
		50	0	1	21.79	21.87	21.84	23
		50	25	1	21.56	21.79	21.79	23
		50	50	1	21.49	21.66	21.63	23
	16QAM	100	0	1	21.44	21.65	21.60	23
		1	0	1	21.37	21.48	21.61	23
		1	49	1	21.27	21.47	21.43	23
		1	99	1	21.13	21.41	21.41	23
		50	0	2	20.64	20.81	20.84	22
		50	25	2	20.61	20.74	20.82	22
	64QAM	50	50	2	20.59	20.82	20.80	22
		100	0	2	20.65	20.83	20.92	22
		1	0	2	20.54	20.72	20.74	22
		1	49	2	20.62	20.77	20.85	22
		1	99	2	20.48	20.63	20.75	22
		50	0	3	19.44	19.56	19.72	21
	256QAM	50	25	3	19.39	19.49	19.48	21
		50	50	3	19.40	19.63	19.57	21
		100	0	3	19.44	19.60	19.59	21
		1	0	5	17.51	17.73	17.60	19
		1	49	5	17.43	17.61	17.61	19
		1	99	5	17.49	17.64	17.69	19
		50	0	5	17.45	17.69	17.64	19
		50	25	5	17.40	17.61	17.57	19
		50	50	5	17.39	17.53	17.56	19
		100	0	5	17.33	17.57	17.55	19

Band					LTE 2(DSI-2) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	18700	18900	19100	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	QPSK	1	0	0	19.83	19.96	19.94	20
		1	49	0	19.69	19.87	19.69	20
		1	99	0	19.72	19.94	19.73	20
		50	0	0	19.68	19.92	19.72	20
		50	25	0	19.64	19.87	19.68	20
		50	50	0	19.78	19.98	19.79	20
	16QAM	100	0	0	19.66	19.95	19.68	20
		1	0	0	19.78	19.90	19.78	20
		1	49	0	19.63	19.91	19.72	20
		1	99	0	19.72	19.91	19.65	20
		50	0	0	19.79	19.93	19.76	20
		50	25	0	19.63	19.95	19.74	20
	64QAM	50	50	0	19.72	19.89	19.76	20
		100	0	0	19.83	19.86	19.66	20
		1	0	0	19.77	19.89	19.80	20
		1	49	0	19.73	19.96	19.72	20
		1	99	0	19.72	19.92	19.71	20
		50	0	0	19.70	19.94	19.75	20
	256QAM	50	25	0	19.68	19.85	19.62	20
		50	50	0	19.80	19.92	19.78	20
		100	0	0	19.72	19.88	19.70	20
		1	0	0	19.77	19.85	19.76	20
		1	49	0	19.70	19.90	19.69	20
		1	99	0	19.66	19.89	19.67	20
		50	0	0	19.75	19.87	19.61	20
		50	25	0	19.77	19.94	19.81	20
		50	50	0	19.74	19.92	19.79	20
		100	0	0	19.71	19.92	19.73	20

Band					LTE 2(DSI-3) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	18700	18900	19100	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	QPSK	1	0	0	18.92	18.95	18.94	19
		1	49	0	18.69	18.82	18.65	19
		1	99	0	18.53	18.67	18.61	19
		50	0	0	18.64	18.70	18.52	19
		50	25	0	18.49	18.60	18.67	19
		50	50	0	18.59	18.47	18.54	19
	16QAM	100	0	0	18.61	18.65	18.63	19
		1	0	0	18.54	18.63	18.74	19
		1	49	0	18.67	18.60	18.63	19
		1	99	0	18.54	18.45	18.69	19
		50	0	0	18.54	18.59	18.44	19
		50	25	0	18.50	18.59	18.56	19
	64QAM	50	50	0	18.66	18.50	18.53	19
		100	0	0	18.54	18.63	18.41	19
		1	0	0	18.41	18.46	18.68	19
		1	49	0	18.75	18.76	18.58	19
		1	99	0	18.61	18.38	18.48	19
		50	0	0	18.59	18.60	18.51	19
	256QAM	50	25	0	18.61	18.55	18.65	19
		50	50	0	18.39	18.41	18.46	19
		100	0	0	18.46	18.58	18.67	19
		1	0	0	18.44	18.41	18.55	19
		1	49	0	18.60	18.45	18.67	19
		1	99	0	18.52	18.53	18.40	19
	256QAM	50	0	0	18.50	18.60	18.49	19
		50	25	0	18.58	18.48	18.40	19
		50	50	0	18.57	18.61	18.60	19
		100	0	0	18.64	18.52	18.55	19

Band					LTE 2(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	18700	18900	19100	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	QPSK	1	0	0	17.78	17.85	17.82	17
		1	49	0	17.64	17.66	17.62	17
		1	99	0	17.37	17.59	17.48	17
		50	0	0	17.54	17.61	17.58	17
		50	25	0	17.46	17.51	17.57	17
		50	50	0	17.52	17.29	17.44	17
	16QAM	100	0	0	17.49	17.59	17.49	17
		1	0	0	17.41	17.60	17.58	17
		1	49	0	17.49	17.46	17.54	17
		1	99	0	17.48	17.34	17.62	17
		50	0	0	17.49	17.47	17.32	17
		50	25	0	17.47	17.43	17.46	17
	64QAM	50	50	0	17.53	17.35	17.44	17
		100	0	0	17.38	17.51	17.37	17
		1	0	0	17.28	17.31	17.54	17
		1	49	0	17.57	17.59	17.46	17
		1	99	0	17.53	17.35	17.34	17
		50	0	0	17.41	17.52	17.48	17
	256QAM	50	25	0	17.48	17.43	17.48	17
		50	50	0	17.25	17.37	17.37	17
		100	0	0	17.39	17.48	17.51	17
		1	0	0	17.42	17.40	17.41	17
		1	49	0	17.41	17.31	17.54	17
		1	99	0	17.44	17.44	17.33	17
	256QAM	50	0	0	17.35	17.43	17.40	17
		50	25	0	17.47	17.37	17.29	17
		50	50	0	17.45	17.49	17.45	17
		100	0	0	17.54	17.35	17.49	17

Band					LTE 2(DSI-2) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	18700	18900	19100	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	QPSK	1	0	0	19.85	19.91	19.90	20
		1	49	0	19.77	19.79	19.75	20
		1	99	0	19.61	19.60	19.62	20
		50	0	1	18.88	18.90	18.92	19
		50	25	1	18.75	18.82	18.63	19
		50	50	1	18.88	18.79	18.80	19
	16QAM	100	0	1	18.79	18.85	18.78	19
		1	0	1	18.67	18.72	18.56	19
		1	49	1	18.71	18.67	18.67	19
		1	99	1	18.62	18.60	18.47	19
		50	0	2	17.85	17.88	17.91	18
		50	25	2	17.88	17.91	17.92	18
	64QAM	50	50	2	17.74	17.91	17.76	18
		100	0	2	17.77	17.91	17.77	18
		1	0	2	17.90	17.86	17.87	18
		1	49	2	17.83	17.78	17.80	18
		1	99	2	17.87	17.85	17.91	18
		50	0	3	16.79	16.72	16.62	17
	256QAM	50	25	3	16.69	16.70	16.54	17
		50	50	3	16.78	16.86	16.76	17
		100	0	3	16.80	16.78	16.75	17
		1	0	5	14.89	14.92	14.82	15
		1	49	5	14.81	14.76	14.78	15
		1	99	5	14.87	14.83	14.74	15
	50	0	5	14.88	14.85	14.82	15	
	50	25	5	14.78	14.76	14.79	15	
	50	50	5	14.76	14.72	14.65	15	
	100	0	5	14.75	14.80	14.73	15	

Band					LTE 2(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	18700	18900	19100	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	QPSK	1	0	0	18.89	18.96	18.93	19
		1	49	0	18.75	18.77	18.73	19
		1	99	0	18.48	18.70	18.59	19
		50	0	0	18.65	18.72	18.69	19
		50	25	0	18.57	18.62	18.68	19
		50	50	0	18.63	18.40	18.55	19
		100	0	0	18.60	18.70	18.60	19
	16QAM	1	0	0	18.52	18.71	18.69	19
		1	49	0	18.60	18.57	18.65	19
		1	99	0	18.59	18.45	18.73	19
		50	0	0	18.60	18.58	18.43	19
		50	25	0	18.58	18.54	18.57	19
		50	50	0	18.64	18.46	18.55	19
		100	0	0	18.49	18.62	18.48	19
	64QAM	1	0	0	18.39	18.42	18.65	19
		1	49	0	18.68	18.70	18.57	19
		1	99	0	18.64	18.46	18.45	19
		50	0	0	18.52	18.63	18.59	19
		50	25	0	18.59	18.54	18.59	19
		50	50	0	18.36	18.48	18.48	19
		100	0	0	18.50	18.59	18.62	19
	256QAM	1	0	0	18.53	18.51	18.52	19
		1	49	0	18.52	18.42	18.65	19
		1	99	0	18.55	18.55	18.44	19
50		0	0	18.46	18.54	18.51	19	
50		25	0	18.58	18.48	18.40	19	
50		50	0	18.56	18.60	18.56	19	
100		0	0	18.65	18.46	18.60	19	

Band					LTE 4(DSI-1) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	20050	20175	20300	Tune-up Limit (dBm)
					1720.0	1732.5	1745.0	
20	QPSK	1	0	0	22.66	22.40	22.29	24
		1	49	0	22.63	22.35	22.28	24
		1	99	0	22.45	22.16	22.08	24
		50	0	1	22.04	21.80	21.77	23
		50	25	1	21.81	21.49	21.54	23
		50	50	1	21.70	21.40	21.45	23
	16QAM	100	0	1	21.65	21.36	21.39	23
		1	0	1	21.53	21.18	21.24	23
		1	49	1	21.50	21.21	21.22	23
		1	99	1	21.47	21.13	21.09	23
		50	0	2	20.64	20.35	20.37	22
		50	25	2	20.68	20.44	20.38	22
	64QAM	50	50	2	20.59	20.42	20.44	22
		100	0	2	20.56	20.44	20.46	22
		1	0	2	20.69	20.42	20.35	22
		1	49	2	20.61	20.26	20.26	22
		1	99	2	20.67	20.34	20.31	22
		50	0	3	19.63	19.22	19.22	21
	256QAM	50	25	3	19.45	19.22	19.17	21
		50	50	3	19.54	19.33	19.40	21
		100	0	3	19.63	19.34	19.34	21
		1	0	5	17.67	17.45	17.47	19
		1	49	5	17.61	17.29	17.28	19
		1	99	5	17.73	17.35	17.37	19
	256QAM	50	0	5	17.71	17.31	17.40	19
		50	25	5	17.62	17.25	17.27	19
		50	50	5	17.56	17.19	17.18	19
		100	0	5	17.55	17.31	17.31	19

Band					LTE 4(DSI-2) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	20050	20175	20300	Tune-up Limit (dBm)
					1720.0	1732.5	1745.0	
20	QPSK	1	0	0	19.96	19.94	19.97	20
		1	49	0	19.59	19.74	19.68	20
		1	99	0	19.70	19.71	19.68	20
		50	0	0	19.75	19.72	19.72	20
		50	25	0	19.64	19.74	19.65	20
		50	50	0	19.77	19.76	19.82	20
	16QAM	100	0	0	19.79	19.66	19.75	20
		1	0	0	19.78	19.81	19.81	20
		1	49	0	19.69	19.71	19.66	20
		1	99	0	19.65	19.67	19.65	20
		50	0	0	19.75	19.76	19.72	20
		50	25	0	19.65	19.68	19.69	20
	64QAM	50	50	0	19.66	19.73	19.77	20
		100	0	0	19.60	19.75	19.78	20
		1	0	0	19.77	19.79	19.81	20
		1	49	0	19.62	19.69	19.71	20
		1	99	0	19.70	19.74	19.68	20
		50	0	0	19.72	19.74	19.73	20
	256QAM	50	25	0	19.55	19.67	19.71	20
		50	50	0	19.74	19.77	19.76	20
		100	0	0	19.67	19.68	19.76	20
		1	0	0	19.67	19.74	19.72	20
		1	49	0	19.59	19.73	19.75	20
		1	99	0	19.61	19.65	19.64	20
	256QAM	50	0	0	19.57	19.64	19.74	20
		50	25	0	19.79	19.80	19.81	20
		50	50	0	19.78	19.79	19.70	20
		100	0	0	19.67	19.68	19.71	20

Band					LTE 4(DSI-3) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	20050	20175	20300	Tune-up Limit (dBm)
					1720.0	1732.5	1745.0	
20	QPSK	1	0	0	18.94	18.95	18.96	19
		1	49	0	18.73	18.76	18.89	19
		1	99	0	18.54	18.72	18.71	19
		50	0	0	18.63	18.62	18.69	19
		50	25	0	18.56	18.59	18.87	19
		50	50	0	18.63	18.46	18.74	19
	16QAM	100	0	0	18.56	18.65	18.84	19
		1	0	0	18.50	18.67	18.73	19
		1	49	0	18.60	18.64	18.60	19
		1	99	0	18.53	18.42	18.65	19
		50	0	0	18.54	18.51	18.35	19
		50	25	0	18.49	18.57	18.57	19
	64QAM	50	50	0	18.67	18.50	18.58	19
		100	0	0	18.52	18.59	18.48	19
		1	0	0	18.45	18.45	18.68	19
		1	49	0	18.75	18.74	18.62	19
		1	99	0	18.60	18.40	18.51	19
		50	0	0	18.58	18.69	18.61	19
	256QAM	50	25	0	18.58	18.57	18.64	19
		50	50	0	18.41	18.39	18.53	19
		100	0	0	18.46	18.65	18.66	19
		1	0	0	18.51	18.47	18.56	19
		1	49	0	18.61	18.38	18.58	19
		1	99	0	18.47	18.55	18.37	19
	256QAM	50	0	0	18.46	18.59	18.56	19
		50	25	0	18.58	18.51	18.43	19
		50	50	0	18.55	18.58	18.64	19
		100	0	0	18.60	18.51	18.58	19

Band					LTE 5(DSI-1) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	20450	20525	20600	Tune-up Limit (dBm)
					829.0	836.5	844.0	
10	QPSK	1	0	0	21.26	21.21	21.18	21.5
		1	24	0	21.24	21.17	21.14	21.5
		1	49	0	21.18	21.16	21.07	21.5
		25	0	0	21.11	21.15	21.08	21.5
		25	12	0	21.17	21.01	21.09	21.5
		25	25	0	21.21	21.10	21.05	21.5
	16QAM	50	0	0	21.15	21.14	21.02	21.5
		1	0	0	21.07	21.13	21.01	21.5
		1	24	0	21.13	20.97	21.02	21.5
		1	49	0	21.09	21.18	21.09	21.5
		25	0	0	21.21	21.06	21.10	21.5
		25	12	0	21.16	21.13	21.12	21.5
	64QAM	25	25	0	21.12	20.94	20.97	21.5
		50	0	0	21.14	21.09	21.11	21.5
		1	0	0	21.20	21.05	21.05	21.5
		1	24	0	20.99	21.15	21.08	21.5
		1	49	0	21.14	20.97	20.98	21.5
		25	0	0	21.14	21.16	21.07	21.5
	256QAM	25	12	0	21.10	21.15	21.07	21.5
		25	25	0	21.09	21.07	21.05	21.5
		50	0	0	21.21	20.98	21.04	21.5
		1	0	0	21.21	21.19	21.09	21.5
		1	24	0	21.23	21.03	21.10	21.5
		1	49	0	21.08	21.13	21.03	21.5
	256QAM	25	0	0	21.20	20.96	21.04	21.5
		25	12	0	21.17	21.10	21.08	21.5
		25	25	0	21.10	21.14	21.04	21.5
		50	0	0	20.99	21.07	21.10	21.5

Band					LTE 5(DSI-2&3) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	20450	20525	20600	Tune-up Limit (dBm)
					829.0	836.5	844.0	
10	QPSK	1	0	0	22.91	22.86	22.83	24.5
		1	24	0	22.89	22.82	22.79	24.5
		1	49	0	22.65	22.63	22.61	24.5
		25	0	1	21.92	21.91	21.80	23.5
		25	12	1	21.86	21.82	21.77	23.5
		25	25	1	21.69	21.75	21.62	23.5
	16QAM	50	0	1	21.81	21.71	21.74	23.5
		1	0	1	21.63	21.65	21.56	23.5
		1	24	1	21.61	21.74	21.74	23.5
		1	49	1	21.62	21.69	21.65	23.5
		25	0	2	20.79	20.90	20.84	22.5
		25	12	2	20.85	20.83	20.83	22.5
	64QAM	25	25	2	20.78	20.78	20.87	22.5
		50	0	2	20.76	20.80	20.73	22.5
		1	0	2	20.88	20.96	20.88	22.5
		1	24	2	20.78	20.78	20.81	22.5
		1	49	2	20.80	20.81	20.82	22.5
		25	0	3	19.82	19.83	19.74	21.5
	256QAM	25	12	3	19.59	19.59	19.59	21.5
		25	25	3	19.69	19.79	19.73	21.5
		50	0	3	19.88	19.85	19.78	21.5
		1	0	5	17.88	17.85	17.86	19.5
		1	24	5	17.79	17.74	17.89	19.5
		1	49	5	17.94	17.96	17.92	19.5
	256QAM	25	0	5	17.89	17.98	17.98	19.5
		25	12	5	17.79	17.84	17.84	19.5
		25	25	5	17.73	17.80	17.74	19.5
		50	0	5	17.74	17.72	17.83	19.5

Band					LTE 7(DSI-1) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	20850	21100	21350	Tune-up Limit (dBm)
					2510.0	2535.0	2560.0	
20	QPSK	1	0	0	15.96	15.89	15.87	16
		1	49	0	15.85	15.79	15.66	16
		1	99	0	15.66	15.67	15.66	16
		50	0	0	15.83	15.62	15.52	16
		50	25	0	15.71	15.57	15.71	16
		50	50	0	15.80	15.45	15.50	16
	16QAM	100	0	0	15.79	15.61	15.60	16
		1	0	0	15.66	15.64	15.64	16
		1	49	0	15.79	15.52	15.59	16
		1	99	0	15.71	15.38	15.64	16
		50	0	0	15.75	15.52	15.37	16
		50	25	0	15.67	15.52	15.54	16
	64QAM	50	50	0	15.80	15.44	15.50	16
		100	0	0	15.66	15.60	15.45	16
		1	0	0	15.61	15.33	15.62	16
		1	49	0	15.92	15.73	15.51	16
		1	99	0	15.80	15.38	15.48	16
		50	0	0	15.77	15.59	15.57	16
	256QAM	50	25	0	15.74	15.55	15.54	16
		50	50	0	15.49	15.44	15.48	16
		100	0	0	15.69	15.63	15.55	16
		1	0	0	15.68	15.42	15.53	16
		1	49	0	15.73	15.32	15.61	16
		1	99	0	15.73	15.50	15.34	16
	256QAM	50	0	0	15.70	15.48	15.49	16
		50	25	0	15.81	15.50	15.44	16
		50	50	0	15.80	15.60	15.55	16
		100	0	0	15.76	15.49	15.54	16

Band					LTE 7(DSI-2) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	20850	21100	21350	Tune-up Limit (dBm)
					2510.0	2535.0	2560.0	
20	QPSK	1	0	0	17.99	17.92	17.90	18
		1	49	0	17.88	17.82	17.69	18
		1	99	0	17.69	17.70	17.59	18
		50	0	1	16.84	16.60	16.46	17
		50	25	1	16.67	16.60	16.67	17
		50	50	1	16.80	16.45	16.45	17
	16QAM	100	0	1	16.72	16.56	16.63	17
		1	0	1	16.69	16.64	16.61	17
		1	49	1	16.80	16.47	16.60	17
		1	99	1	16.72	16.32	16.60	17
		50	0	2	15.69	15.49	15.35	16
		50	25	2	15.60	15.49	15.55	16
	64QAM	50	50	2	15.78	15.39	15.43	16
		100	0	2	15.67	15.56	15.45	16
		1	0	2	15.64	15.27	15.58	16
		1	49	2	15.87	15.73	15.46	16
		1	99	2	15.79	15.39	15.41	16
		50	0	3	14.73	14.52	14.59	15
	256QAM	50	25	3	14.75	14.57	14.48	15
		50	50	3	14.48	14.37	14.50	15
		100	0	3	14.71	14.62	14.56	15
		1	0	5	12.55	12.35	12.65	13
		1	49	5	12.88	12.75	12.54	13
		1	99	5	12.76	12.33	12.50	13
	256QAM	50	0	5	12.77	12.59	12.52	13
		50	25	5	12.74	12.58	12.56	13
		50	50	5	12.46	12.43	12.47	13
		100	0	5	12.68	12.66	12.56	13

Band					LTE 7(DSI-3) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	20850	21100	21350	Tune-up Limit (dBm)
					2510.0	2535.0	2560.0	
20	QPSK	1	0	0	16.87	16.84	16.86	17
		1	49	0	16.83	16.72	16.65	17
		1	99	0	16.60	16.64	16.59	17
		50	0	0	16.80	16.67	16.45	17
		50	25	0	16.65	16.54	16.70	17
		50	50	0	16.84	16.43	16.51	17
	16QAM	100	0	0	16.75	16.57	16.57	17
		1	0	0	16.70	16.63	16.62	17
		1	49	0	16.77	16.50	16.57	17
		1	99	0	16.72	16.42	16.68	17
		50	0	0	16.73	16.49	16.32	17
		50	25	0	16.67	16.58	16.43	17
	64QAM	50	50	0	16.75	16.42	16.49	17
		100	0	0	16.72	16.55	16.37	17
		1	0	0	16.60	16.36	16.58	17
		1	49	0	16.86	16.72	16.59	17
		1	99	0	16.54	16.32	16.47	17
		50	0	0	16.45	16.55	16.55	17
	256QAM	50	25	0	16.59	16.52	16.58	17
		50	50	0	16.35	16.36	16.41	17
		100	0	0	16.45	16.56	16.58	17
		1	0	0	16.41	16.41	16.51	17
		1	49	0	16.48	16.39	16.57	17
		1	99	0	16.50	16.45	16.37	17
	256QAM	50	0	0	16.43	16.52	16.47	17
		50	25	0	16.60	16.48	16.34	17
		50	50	0	16.54	16.60	16.61	17
		100	0	0	16.52	16.41	16.52	17

Band					LTE 12(DSI-1) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	23060	23095	23130	Tune-up Limit (dBm)
					704.0	707.5	711.0	
10	QPSK	1	0	0	21.37	21.34	21.35	21.5
		1	24	0	21.27	21.25	21.20	21.5
		1	49	0	21.11	21.10	20.99	21.5
		25	0	0	21.30	21.26	21.27	21.5
		25	12	0	21.17	21.19	21.17	21.5
		25	25	0	21.08	21.02	20.92	21.5
	16QAM	50	0	0	21.25	21.21	21.29	21.5
		1	0	0	21.17	21.22	21.13	21.5
		1	24	0	20.96	20.95	20.86	21.5
		1	49	0	21.33	21.28	21.18	21.5
		25	0	0	21.24	21.18	21.02	21.5
		25	12	0	21.11	21.01	20.87	21.5
	64QAM	25	25	0	21.23	21.22	21.21	21.5
		50	0	0	21.21	21.16	21.09	21.5
		1	0	0	20.99	20.94	20.85	21.5
		1	24	0	21.31	21.19	21.26	21.5
		1	49	0	21.16	21.17	21.07	21.5
		25	0	0	21.04	20.96	20.95	21.5
	256QAM	25	12	0	21.27	21.28	21.21	21.5
		25	25	0	21.10	21.19	21.11	21.5
		50	0	0	21.01	21.04	20.83	21.5
		1	0	0	21.28	21.26	21.22	21.5
		1	24	0	21.21	21.07	21.11	21.5
		1	49	0	20.92	20.95	20.85	21.5
	256QAM	25	0	0	21.15	21.21	21.05	21.5
		25	12	0	21.07	21.03	20.92	21.5
		25	25	0	21.25	21.25	21.26	21.5
		50	0	0	21.16	21.05	21.16	21.5

Band					LTE 12(DSI-2&3) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	23060	23095	23130	Tune-up Limit (dBm)
					704.0	707.5	711.0	
10	QPSK	1	0	0	23.77	23.74	23.75	24.5
		1	24	0	23.67	23.65	23.60	24.5
		1	49	0	23.51	23.50	23.39	24.5
		25	0	1	23.01	22.94	22.96	23.5
		25	12	1	22.70	22.66	22.59	23.5
		25	25	1	22.41	22.61	22.49	23.5
	16QAM	50	0	1	22.57	22.46	22.48	23.5
		1	0	1	22.44	22.45	22.37	23.5
		1	24	1	22.45	22.54	22.52	23.5
		1	49	1	22.45	22.44	22.47	23.5
		25	0	2	21.57	21.76	21.64	22.5
		25	12	2	21.60	21.61	21.61	22.5
	64QAM	25	25	2	21.56	21.62	21.69	22.5
		50	0	2	21.56	21.61	21.55	22.5
		1	0	2	21.68	21.75	21.67	22.5
		1	24	2	21.60	21.63	21.60	22.5
		1	49	2	21.62	21.54	21.64	22.5
		25	0	3	20.67	20.59	20.61	21.5
	256QAM	25	12	3	20.38	20.36	20.36	21.5
		25	25	3	20.51	20.59	20.58	21.5
		50	0	3	20.62	20.62	20.53	21.5
		1	0	5	18.64	18.63	18.74	19.5
		1	24	5	18.62	18.51	18.74	19.5
		1	49	5	18.75	18.77	18.80	19.5
	256QAM	25	0	5	18.70	18.73	18.84	19.5
		25	12	5	18.61	18.60	18.55	19.5
		25	25	5	18.54	18.67	18.47	19.5
		50	0	5	18.54	18.46	18.57	19.5

Band					LTE 14(DSI-1) Ant 0	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	23330	Tune-up Limit (dBm)
					793.0	
10	QPSK	1	0	0	21.33	21.5
		1	24	0	21.23	21.5
		1	49	0	21.09	21.5
		25	0	0	21.25	21.5
		25	12	0	21.18	21.5
		25	25	0	21.06	21.5
	16QAM	50	0	0	21.33	21.5
		1	0	0	21.17	21.5
		1	24	0	21.08	21.5
		1	49	0	21.22	21.5
		25	0	0	21.17	21.5
		25	12	0	21.02	21.5
	64QAM	25	25	0	21.25	21.5
		50	0	0	21.24	21.5
		1	0	0	21.02	21.5
		1	24	0	21.29	21.5
		1	49	0	21.11	21.5
		25	0	0	21.11	21.5
	256QAM	25	12	0	21.29	21.5
		25	25	0	21.16	21.5
		50	0	0	20.97	21.5
		1	0	0	21.02	21.5
		1	24	0	21.28	21.5
		1	49	0	21.15	21.5
	256QAM	25	0	0	21.04	21.5
		25	12	0	21.20	21.5
		25	25	0	21.17	21.5
		50	0	0	20.98	21.5

Band					LTE 14(DSI-2&3) Ant 0	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	23330	Tune-up Limit (dBm)
					793.0	
10	QPSK	1	0	0	23.22	24
		1	24	0	23.10	24
		1	49	0	22.97	24
		25	0	1	22.44	23
		25	12	1	22.11	23
		25	25	1	22.07	23
	16QAM	50	0	1	22.44	23
		1	0	1	21.94	23
		1	24	1	22.14	23
		1	49	1	22.14	23
		25	0	2	21.22	22
		25	12	2	21.21	22
	64QAM	25	25	2	21.31	22
		50	0	2	21.13	22
		1	0	2	21.18	22
		1	24	2	21.22	22
		1	49	2	21.26	22
		25	0	3	20.14	21
	256QAM	25	12	3	19.96	21
		25	25	3	20.17	21
		50	0	3	20.20	21
		1	0	5	18.36	19
		1	24	5	18.38	19
		1	49	5	18.39	19
	256QAM	25	0	5	18.38	19
		25	12	5	18.15	19
		25	25	5	18.10	19
		50	0	5	18.11	19

Band					LTE 30(DSI-1&3) Ant 6	
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	27710	Tune-up Limit (dBm)
					2310.0	
10	QPSK	1	0	0	19.98	20
		1	24	0	19.83	20
		1	49	0	19.88	20
		25	0	1	18.82	19
		25	12	1	18.80	19
		25	25	1	18.78	19
	16QAM	50	0	1	18.81	19
		1	0	1	18.93	19
		1	24	1	18.84	19
		1	49	1	18.84	19
		25	0	2	17.91	18
		25	12	2	17.82	18
	64QAM	25	25	2	17.92	18
		50	0	2	17.73	18
		1	0	2	17.87	18
		1	24	2	17.68	18
		1	49	2	17.59	18
		25	0	3	16.64	17
	256QAM	25	12	3	16.56	17
		25	25	3	16.77	17
		50	0	3	16.75	17
		1	0	5	14.81	15
		1	24	5	14.58	15
		1	49	5	14.60	15
	256QAM	25	0	5	14.71	15
		25	12	5	14.63	15
		25	25	5	14.74	15
		50	0	5	14.78	15

Band					LTE 30(DSI-2) Ant 6	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	27710	Tune-up Limit (dBm)
					2310.0	
10	QPSK	1	0	0	18.95	19
		1	24	0	18.74	19
		1	49	0	18.71	19
		25	0	0	18.93	19
		25	12	0	18.69	19
		25	25	0	18.64	19
	16QAM	50	0	0	18.92	19
		1	0	0	18.64	19
		1	24	0	18.63	19
		1	49	0	18.68	19
		25	0	0	18.83	19
		25	12	0	18.57	19
	64QAM	25	25	0	18.61	19
		50	0	0	18.87	19
		1	0	0	18.51	19
		1	24	0	18.89	19
		1	49	0	18.62	19
		25	0	0	18.62	19
	256QAM	25	12	0	18.76	19
		25	25	0	18.57	19
		50	0	0	18.55	19
		1	0	0	18.54	19
		1	24	0	18.81	19
		1	49	0	18.61	19
	256QAM	25	0	0	18.67	19
		25	12	0	18.84	19
		25	25	0	18.58	19
		50	0	0	18.57	19

Band					LTE 38(DSI-1) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	37850	38000	38150	Tune-up Limit (dBm)
					2580.0	2595.0	2610.0	
20	QPSK	1	0	0	18.72	18.79	18.76	19
		1	49	0	18.58	18.75	18.72	19
		1	99	0	18.68	18.53	18.53	19
		50	0	0	18.68	18.71	18.69	19
		50	25	0	18.63	18.46	18.59	19
		50	50	0	18.64	18.67	18.54	19
	16QAM	100	0	0	18.62	18.68	18.67	19
		1	0	0	18.53	18.55	18.59	19
		1	49	0	18.49	18.40	18.57	19
		1	99	0	18.52	18.42	18.45	19
		50	0	0	18.55	18.56	18.49	19
		50	25	0	18.54	18.42	18.44	19
	64QAM	50	50	0	18.54	18.52	18.48	19
		100	0	0	18.41	18.40	18.53	19
		1	0	0	18.64	18.65	18.58	19
		1	49	0	18.56	18.32	18.43	19
		1	99	0	18.56	18.55	18.55	19
		50	0	0	18.54	18.57	18.52	19
	256QAM	50	25	0	18.36	18.30	18.48	19
		50	50	0	18.49	18.59	18.58	19
		100	0	0	18.50	18.48	18.55	19
		1	0	0	18.47	18.44	18.52	19
		1	49	0	18.41	18.49	18.39	19
		1	99	0	18.46	18.49	18.44	19
	256QAM	50	0	0	18.55	18.41	18.36	19
		50	25	0	18.54	18.47	18.59	19
		50	50	0	18.50	18.48	18.54	19
		100	0	0	18.47	18.49	18.49	19

Band					LTE 38(DSI-2) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	37850	38000	38150	Tune-up Limit (dBm)
					2580.0	2595.0	2610.0	
20	QPSK	1	0	0	20.74	20.78	20.68	21
		1	49	0	20.63	20.68	20.67	21
		1	99	0	20.30	20.37	20.32	21
		50	0	1	19.96	19.95	19.88	20
		50	25	1	19.90	19.90	19.82	20
		50	50	1	19.84	19.86	19.80	20
	16QAM	100	0	1	19.78	19.79	19.75	20
		1	0	1	19.60	19.58	19.59	20
		1	49	1	19.57	19.57	19.53	20
		1	99	1	19.38	19.38	19.28	20
		50	0	2	18.50	18.50	18.57	19
		50	25	2	18.56	18.56	18.59	19
	64QAM	50	50	2	18.52	18.51	18.49	19
		100	0	2	18.41	18.40	18.47	19
		1	0	2	18.38	18.31	18.29	19
		1	49	2	18.40	18.39	18.38	19
		1	99	2	18.38	18.39	18.37	19
		50	0	3	17.74	17.70	17.66	18
	256QAM	50	25	3	17.50	17.46	17.51	18
		50	50	3	17.66	17.70	17.71	18
		100	0	3	17.61	17.65	17.56	18
		1	0	5	15.78	15.82	15.76	16
		1	49	5	15.62	15.64	15.63	16
		1	99	5	15.69	15.66	15.69	16
	256QAM	50	0	5	15.61	15.68	15.63	16
		50	25	5	15.58	15.60	15.60	16
		50	50	5	15.50	15.43	15.47	16
		100	0	5	15.59	15.63	15.53	16

Band					LTE 38(DSI-3) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	37850	38000	38150	Tune-up Limit (dBm)
					2580.0	2595.0	2610.0	
20	QPSK	1	0	0	19.85	19.91	19.89	20
		1	49	0	19.72	19.82	19.78	20
		1	99	0	19.51	19.73	19.64	20
		50	0	0	19.68	19.70	19.45	20
		50	25	0	19.54	19.69	19.70	20
		50	50	0	19.61	19.49	19.63	20
	16QAM	100	0	0	19.67	19.78	19.59	20
		1	0	0	19.60	19.79	19.69	20
		1	49	0	19.65	19.66	19.59	20
		1	99	0	19.56	19.53	19.66	20
		50	0	0	19.54	19.59	19.48	20
		50	25	0	19.59	19.73	19.51	20
	64QAM	50	50	0	19.63	19.48	19.48	20
		100	0	0	19.59	19.69	19.53	20
		1	0	0	19.48	19.47	19.63	20
		1	49	0	19.63	19.87	19.61	20
		1	99	0	19.63	19.49	19.44	20
		50	0	0	19.53	19.72	19.60	20
	256QAM	50	25	0	19.58	19.67	19.55	20
		50	50	0	19.33	19.48	19.49	20
		100	0	0	19.55	19.73	19.58	20
		1	0	0	19.46	19.57	19.53	20
		1	49	0	19.53	19.53	19.59	20
		1	99	0	19.49	19.58	19.44	20
	256QAM	50	0	0	19.46	19.60	19.51	20
		50	25	0	19.65	19.54	19.38	20
		50	50	0	19.52	19.66	19.55	20
		100	0	0	19.51	19.64	19.56	20

Band					LTE 48(DSI-1) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	55340	55773	56207	56640	Tune-up Limit (dBm)
					3560.0	3603.3	3646.7	3690.0	
20	QPSK	1	0	0	17.96	17.95	17.91	17.93	18
		1	49	0	17.40	17.67	17.60	17.70	18
		1	99	0	17.53	17.57	17.52	17.63	18
		50	0	0	17.69	17.67	17.61	17.68	18
		50	25	0	17.49	17.58	17.53	17.61	18
		50	50	0	17.65	17.59	17.56	17.58	18
	16QAM	100	0	0	17.65	17.60	17.57	17.63	18
		1	0	0	17.66	17.66	17.78	17.77	18
		1	49	0	17.56	17.62	17.49	17.62	18
		1	99	0	17.47	17.53	17.58	17.59	18
		50	0	0	17.65	17.62	17.59	17.65	18
		50	25	0	17.53	17.57	17.54	17.59	18
	64QAM	50	50	0	17.60	17.61	17.68	17.60	18
		100	0	0	17.48	17.64	17.61	17.66	18
		1	0	0	17.72	17.66	17.85	17.73	18
		1	49	0	17.48	17.56	17.54	17.66	18
		1	99	0	17.57	17.70	17.56	17.68	18
		50	0	0	17.61	17.59	17.52	17.66	18
	256QAM	50	25	0	17.45	17.63	17.52	17.58	18
		50	50	0	17.70	17.58	17.61	17.71	18
		100	0	0	17.58	17.57	17.64	17.57	18
		1	0	0	17.80	17.70	17.61	17.68	18
		1	49	0	17.85	17.60	17.53	17.62	18
		1	99	0	17.83	17.57	17.58	17.56	18
	256QAM	50	0	0	17.81	17.52	17.53	17.57	18
		50	25	0	17.91	17.73	17.69	17.73	18
		50	50	0	17.89	17.71	17.70	17.74	18
		100	0	0	17.84	17.70	17.57	17.58	18

Band					LTE 48(DSI-2) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	55340	55773	56207	56640	Tune-up Limit (dBm)
20	QPSK	1	0	0	19.91	19.88	19.87	19.86	20
		1	49	0	19.87	19.70	19.86	19.81	20
		1	99	0	19.75	19.61	19.74	19.65	20
		50	0	1	18.88	18.78	18.86	18.76	19
		50	25	1	18.80	18.80	18.74	18.80	19
		50	50	1	18.85	18.80	18.81	18.64	19
	16QAM	100	0	1	18.85	18.71	18.78	18.84	19
		1	0	1	18.45	18.43	18.42	18.57	19
		1	49	1	18.37	18.49	18.37	18.53	19
		1	99	1	18.17	18.27	18.21	18.42	19
		50	0	2	17.37	17.35	17.36	17.40	18
		50	25	2	17.42	17.45	17.43	17.54	18
	64QAM	50	50	2	17.33	17.33	17.36	17.39	18
		100	0	2	17.19	17.30	17.20	17.32	18
		1	0	2	17.19	17.25	17.20	17.17	18
		1	49	2	17.32	17.31	17.35	17.21	18
		1	99	2	17.26	17.12	17.22	17.28	18
		50	0	3	16.49	16.51	16.47	16.52	17
	256QAM	50	25	3	16.50	16.43	16.53	16.42	17
		50	50	3	16.52	16.44	16.52	16.60	17
		100	0	3	16.44	16.52	16.47	16.52	17
		1	0	5	14.70	14.70	14.65	14.77	15
		1	49	5	14.47	14.51	14.45	14.62	15
		1	99	5	14.46	14.49	14.45	14.57	15
	256QAM	50	0	5	14.61	14.61	14.57	14.63	15
		50	25	5	14.40	14.47	14.45	14.44	15
		50	50	5	14.36	14.41	14.41	14.35	15
		100	0	5	14.46	14.48	14.43	14.51	15

Band					LTE 48(DSI-3) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	55340	55773	56207	56640	Tune-up Limit (dBm)
20	QPSK	1	0	0	18.92	18.88	18.86	18.85	19
		1	49	0	18.80	18.65	18.69	18.67	19
		1	99	0	18.64	18.64	18.55	18.50	19
		50	0	0	18.80	18.62	18.50	18.60	19
		50	25	0	18.64	18.59	18.63	18.48	19
		50	50	0	18.68	18.35	18.55	18.61	19
	16QAM	100	0	0	18.71	18.68	18.56	18.65	19
		1	0	0	18.69	18.67	18.69	18.52	19
		1	49	0	18.78	18.57	18.57	18.64	19
		1	99	0	18.77	18.43	18.62	18.55	19
		50	0	0	18.62	18.49	18.40	18.55	19
		50	25	0	18.72	18.57	18.48	18.51	19
	64QAM	50	50	0	18.75	18.45	18.44	18.59	19
		100	0	0	18.64	18.53	18.48	18.53	19
		1	0	0	18.53	18.38	18.61	18.40	19
		1	49	0	18.80	18.75	18.56	18.67	19
		1	99	0	18.77	18.33	18.41	18.55	19
		50	0	0	18.70	18.57	18.60	18.50	19
	256QAM	50	25	0	18.80	18.62	18.59	18.55	19
		50	50	0	18.52	18.41	18.50	18.35	19
		100	0	0	18.69	18.57	18.59	18.59	19
		1	0	0	18.68	18.48	18.45	18.47	19
		1	49	0	18.66	18.39	18.56	18.49	19
		1	99	0	18.57	18.53	18.37	18.40	19
	256QAM	50	0	0	18.57	18.54	18.41	18.41	19
		50	25	0	18.76	18.45	18.39	18.64	19
		50	50	0	18.66	18.50	18.55	18.60	19
		100	0	0	18.67	18.46	18.58	18.58	19

Band					LTE 66(DSI-1) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	22.72	22.43	22.18	24
		1	49	0	22.61	22.30	21.81	24
		1	99	0	22.30	22.01	21.77	24
		50	0	1	22.10	21.87	21.79	23
		50	25	1	22.03	21.79	21.73	23
		50	50	1	21.89	21.45	20.85	23
	16QAM	100	0	1	21.86	21.50	21.10	23
		1	0	1	21.55	21.13	20.80	23
		1	49	1	21.51	21.23	20.75	23
		1	99	1	21.31	21.04	20.84	23
		50	0	2	20.53	20.38	19.82	22
		50	25	2	20.55	20.05	19.93	22
	64QAM	50	50	2	20.45	20.19	19.81	22
		100	0	2	20.42	20.22	19.92	22
		1	0	2	20.31	20.09	19.81	22
		1	49	2	20.38	20.05	19.86	22
		1	99	2	20.37	20.05	19.78	22
		50	0	3	19.67	19.42	19.01	21
	256QAM	50	25	3	19.49	19.35	18.96	21
		50	50	3	19.64	19.27	19.04	21
		100	0	3	19.58	19.36	18.98	21
		1	0	5	17.77	17.36	16.97	19
		1	49	5	17.65	17.32	16.89	19
		1	99	5	17.67	17.40	17.12	19
	256QAM	50	0	5	17.63	17.36	17.04	19
		50	25	5	17.58	17.25	16.92	19
		50	50	5	17.46	17.24	16.88	19
		100	0	5	17.56	17.27	16.92	19

Band					LTE 66(DSI-2) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	19.93	19.92	19.91	20
		1	49	0	19.74	19.60	19.67	20
		1	99	0	19.87	19.64	19.61	20
		50	0	0	19.81	19.53	19.47	20
		50	25	0	19.74	19.65	19.59	20
		50	50	0	19.80	19.65	19.59	20
	16QAM	100	0	0	19.72	19.66	19.60	20
		1	0	0	19.61	19.63	19.93	20
		1	49	0	19.58	19.52	19.73	20
		1	99	0	19.38	19.61	19.81	20
		50	0	0	19.40	19.34	19.77	20
		50	25	0	19.46	19.45	19.73	20
	64QAM	50	50	0	19.45	19.51	19.84	20
		100	0	0	19.65	19.48	19.78	20
		1	0	0	19.32	19.48	19.93	20
		1	49	0	19.76	19.56	19.79	20
		1	99	0	19.37	19.35	19.84	20
		50	0	0	19.55	19.49	19.77	20
	256QAM	50	25	0	19.52	19.53	19.80	20
		50	50	0	19.34	19.54	19.78	20
		100	0	0	19.59	19.62	19.74	20
		1	0	0	19.43	19.49	20.06	20
		1	49	0	19.34	19.52	19.75	20
		1	99	0	19.45	19.45	19.74	20
	256QAM	50	0	0	19.57	19.46	19.82	20
		50	25	0	19.26	19.42	19.80	20
		50	50	0	19.43	19.60	19.85	20
		100	0	0	19.49	19.59	19.71	20

Band					LTE 66(DSI-3) Ant 1			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	18.95	18.91	18.89	19
		1	49	0	18.83	18.81	18.68	19
		1	99	0	18.61	18.74	18.57	19
		50	0	0	18.79	18.71	18.56	19
		50	25	0	18.65	18.59	18.75	19
		50	50	0	18.69	18.44	18.54	19
	16QAM	100	0	0	18.73	18.65	18.66	19
		1	0	0	18.59	18.64	18.71	19
		1	49	0	18.76	18.55	18.63	19
		1	99	0	18.67	18.51	18.66	19
		50	0	0	18.73	18.58	18.44	19
		50	25	0	18.60	18.59	18.54	19
	64QAM	50	50	0	18.71	18.46	18.50	19
		100	0	0	18.67	18.57	18.48	19
		1	0	0	18.55	18.46	18.59	19
		1	49	0	18.82	18.77	18.57	19
		1	99	0	18.74	18.45	18.53	19
		50	0	0	18.63	18.62	18.58	19
	256QAM	50	25	0	18.59	18.55	18.59	19
		50	50	0	18.37	18.41	18.53	19
		100	0	0	18.55	18.58	18.58	19
		1	0	0	18.52	18.43	18.49	19
		1	49	0	18.55	18.36	18.61	19
		1	99	0	18.53	18.56	18.41	19
	256QAM	50	0	0	18.47	18.57	18.48	19
		50	25	0	18.57	18.43	18.45	19
		50	50	0	18.55	18.59	18.60	19
		100	0	0	18.59	18.50	18.50	19

Band					LTE 66(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	17.94	17.95	17.93	18
		1	49	0	17.68	17.74	17.71	18
		1	99	0	17.63	17.72	17.79	18
		50	0	0	17.62	17.76	17.71	18
		50	25	0	17.45	17.69	17.67	18
		50	50	0	17.31	17.65	17.60	18
	16QAM	100	0	0	17.49	17.74	17.70	18
		1	0	0	17.59	17.68	17.89	18
		1	49	0	17.49	17.54	17.74	18
		1	99	0	17.33	17.67	17.84	18
		50	0	0	17.43	17.34	17.71	18
		50	25	0	17.41	17.51	17.75	18
	64QAM	50	50	0	17.32	17.53	17.77	18
		100	0	0	17.56	17.50	17.73	18
		1	0	0	17.37	17.55	17.87	18
		1	49	0	17.78	17.67	17.70	18
		1	99	0	17.28	17.48	17.81	18
		50	0	0	17.48	17.54	17.69	18
	256QAM	50	25	0	17.52	17.57	17.67	18
		50	50	0	17.34	17.59	17.80	18
		100	0	0	17.61	17.70	17.70	18
		1	0	0	17.41	17.58	18.08	18
		1	49	0	17.35	17.57	17.79	18
		1	99	0	17.39	17.51	17.80	18
	256QAM	50	0	0	17.50	17.58	17.79	18
		50	25	0	17.25	17.52	17.73	18
		50	50	0	17.48	17.59	17.80	18
		100	0	0	17.46	17.59	17.67	18

Band					LTE 66(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	19.97	19.98	19.96	20
		1	49	0	19.71	19.77	19.74	20
		1	99	0	19.66	19.75	19.82	20
		50	0	1	18.58	18.67	18.64	19
		50	25	1	18.40	18.68	18.62	19
		50	50	1	18.27	18.63	18.51	19
	16QAM	100	0	1	18.45	18.71	18.60	19
		1	0	1	18.51	18.60	18.86	19
		1	49	1	18.48	18.48	18.66	19
		1	99	1	18.32	18.67	18.78	19
		50	0	2	17.42	17.28	17.68	18
		50	25	2	17.39	17.51	17.75	18
	64QAM	50	50	2	17.27	17.46	17.75	18
		100	0	2	17.47	17.40	17.67	18
		1	0	2	17.28	17.47	17.82	18
		1	49	2	17.74	17.63	17.64	18
		1	99	2	17.25	17.48	17.74	18
		50	0	3	16.40	16.52	16.60	17
	256QAM	50	25	3	16.49	16.48	16.65	17
		50	50	3	16.34	16.53	16.74	17
		100	0	3	16.51	16.60	16.63	17
		1	0	5	14.28	14.47	14.82	15
		1	49	5	14.74	14.63	14.64	15
		1	99	5	14.25	14.48	14.74	15
	256QAM	50	0	5	14.40	14.52	14.60	15
		50	25	5	14.49	14.48	14.65	15
		50	50	5	14.34	14.53	14.74	15
		100	0	5	14.51	14.60	14.63	15

Band					LTE 66(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	0GPP MPR (dB)	132072	132322	132572	Tune-up Limit (dBm)
					1720.0	1745.0	1770.0	
20	QPSK	1	0	0	18.91	18.93	18.89	19
		1	49	0	18.72	18.69	18.79	19
		1	99	0	18.48	18.64	18.59	19
		50	0	0	18.62	18.64	18.50	19
		50	25	0	18.51	18.57	18.71	19
		50	50	0	18.64	18.44	18.60	19
	16QAM	100	0	0	18.72	18.74	18.61	19
		1	0	0	18.58	18.70	18.65	19
		1	49	0	18.67	18.59	18.62	19
		1	99	0	18.63	18.40	18.63	19
		50	0	0	18.56	18.49	18.49	19
		50	25	0	18.57	18.62	18.54	19
	64QAM	50	50	0	18.58	18.44	18.54	19
		100	0	0	18.58	18.56	18.52	19
		1	0	0	18.49	18.43	18.64	19
		1	49	0	18.70	18.76	18.55	19
		1	99	0	18.67	18.39	18.42	19
		50	0	0	18.52	18.61	18.58	19
	256QAM	50	25	0	18.58	18.59	18.56	19
		50	50	0	18.40	18.44	18.52	19
		100	0	0	18.57	18.58	18.60	19
		1	0	0	18.49	18.46	18.53	19
		1	49	0	18.53	18.39	18.63	19
		1	99	0	18.49	18.54	18.50	19
	256QAM	50	0	0	18.46	18.52	18.49	19
		50	25	0	18.56	18.41	18.37	19
		50	50	0	18.55	18.56	18.64	19
		100	0	0	18.56	18.54	18.60	19

8.5. Measured Conducted Power Results for LTE Carrier Aggregation

Power Confirmation for LTE Uplink CA

This device supports uplink carrier aggregation for CA_7C, CA_40C, CA_42C, CA_48C, CA_66C, CA_2A-4A, CA_2A-5A, CA_2A-7A, CA_2A-66A, CA_4A-5A, CA_4A-7A, CA_5A-7A, CA_5A-66A, CA_7A-26A, and CA_12A-66A with a maximum of two component carriers. For intra-band contiguous carrier aggregation scenarios, 3GPP TS 36.101 Table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP TS 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted powers and MPR settings in this device are permanently implemented per the above 3GPP requirements.

Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers. For intra-band contiguous CA, the channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

The standalone power measurement is the power for the PCC in the non-CA mode (i.e., single carrier power). In all cases the UL CA power is less than or equal to the standalone power, which is in accordance with the tune-up limits in table below.

Uplink Carrier Aggregation Power for DSI 1														
E-UTRA CA Combination	PCC	SCC	Modulation	Bandwidth (MHz)	PCC		SCC		Total RB Size	Target MPR Level (dB)	Tune-up Power (dBm)	Measured Power (dBm)	PCC (dBm)	SCC (dBm)
	Channel	Channel			RB Size	RB Offset	RB Size	RB Offset						
CA_7C	20850	21048	QPSK	20+20	1	99	1	0	2	0	18.0	17.82	16.88	10.72
	21001	21199			1	99	1	0	2	0	18.0	17.90	16.98	10.71
	21350	21152			1	0	1	99	2	0	18.0	17.92	17.01	10.69
CA_40C	38750	38948	QPSK	20+20	1	99	1	0	2	0	21.0	20.73	19.93	12.98
	39051	39249			1	99	1	0	2	0	21.0	20.92	20.26	12.39
	39550	39352			1	0	1	99	2	0	21.0	20.51	19.7	12.81
CA_42C	41690	41888	QPSK	20+20	1	99	1	0	2	0	20.0	19.89	19.1	12.08
	42491	42689			1	99	1	0	2	0	20.0	19.69	18.91	11.82
	43490	43292			1	0	1	99	2	0	20.0	19.78	18.96	12.11
CA_48C	55340	55538	QPSK	20+20	1	99	1	0	2	0	20.0	19.79	19.02	11.88
	55773	55971			1	99	1	0	2	0	20.0	19.96	19.17	12.15
	56207	56405			1	99	1	0	2	0	20.0	19.97	19.18	12.18
CA_66C	56640	56442	QPSK	20+20	1	0	1	99	2	0	20.0	19.89	19.08	12.22
	132072	132270			1	99	1	0	2	0	20.0	19.63	18.64	12.71
	132323	132521			1	99	1	0	2	0	20.0	19.54	18.55	12.63
	132572	132374			1	0	1	99	2	0	20.0	19.69	18.69	12.84

Uplink Carrier Aggregation Power for DSI 1															
E-UTRA CA Combination	PCC	SCC	Modulation	Bandwidth (MHz)	PCC		SCC		Total RB Size	Target MPR Level (dB)	Tune-up Power PCC (dBm)	Tune-up Power SCC (dBm)	Measured Power (dBm)	Measured PCC (dBm)	Measured SCC (dBm)
	Channel	Channel			RB Size	RB Offset	RB Size	RB Offset							
CA_2A-4A	18700	20175	QPSK	20+20	1	99	1	0	2	0	17.0	24.0	23.58	16.37	22.66
	18900	20175			1	99	1	0	2	0	17.0	24.0	23.41	16.59	22.4
	19100	20175			1	99	1	0	2	0	17.0	24.0	23.30	16.48	22.29
CA_2A-5A	18700	20525	QPSK	20+10	1	99	1	0	2	0	17.0	21.5	22.48	16.37	21.26
	18900	20525			1	99	1	0	2	0	17.0	21.5	22.50	16.59	21.21
	19100	20525			1	99	1	0	2	0	17.0	21.5	22.45	16.48	21.18
CA_2A-7A	18700	21100	QPSK	20+20	1	99	1	0	2	0	17.0	16.0	19.18	16.37	15.96
	18900	21100			1	99	1	0	2	0	17.0	16.0	19.26	16.59	15.89
	19100	21100			1	99	1	0	2	0	17.0	16.0	19.20	16.48	15.87
CA_2A-66A	18700	132322	QPSK	20+20	1	99	1	0	2	0	17.0	24.0	23.63	16.37	22.72
	18900	132322			1	99	1	0	2	0	17.0	24.0	23.44	16.59	22.43
	19100	132322			1	99	1	0	2	0	17.0	24.0	23.22	16.48	22.18
CA_4A-5A	20050	20525	QPSK	20+10	1	99	1	0	2	0	18.0	21.5	22.80	17.56	21.26
	20175	20525			1	99	1	0	2	0	18.0	21.5	22.68	17.25	21.21
	20300	20525			1	99	1	0	2	0	18.0	21.5	22.68	17.34	21.18
CA_4A-7A	20050	21100	QPSK	20+20	1	99	1	0	2	0	18.0	16.0	20.01	17.84	15.96
	20175	21100			1	99	1	0	2	0	18.0	16.0	20.04	17.93	15.89
	20300	21100			1	99	1	0	2	0	18.0	16.0	20.00	17.88	15.87
CA_5A-7A	20450	21100	QPSK	10+20	1	49	1	0	2	0	21.5	16.0	22.32	21.18	15.96
	20525	21100			1	49	1	0	2	0	21.5	16.0	22.29	21.16	15.89
	20600	21100			1	49	1	0	2	0	21.5	16.0	22.22	21.07	15.87
CA_5A-66A	20450	132322	QPSK	10+20	1	49	1	0	2	0	21.5	18.0	22.87	21.18	17.94
	20525	132322			1	49	1	0	2	0	21.5	18.0	22.86	21.16	17.95
	20600	132322			1	49	1	0	2	0	21.5	18.0	22.79	21.07	17.93
CA_7A-26A	20850	26865	QPSK	20+15	1	99	1	0	2	0	16.0	21.5	22.23	15.66	21.15
	21100	26865			1	99	1	0	2	0	16.0	21.5	22.28	15.67	21.21
	21350	26865			1	99	1	0	2	0	16.0	21.5	22.36	15.56	21.34
CA_12A-66A	23060	132322	QPSK	10+20	1	49	1	0	2	0	21.5	18.0	22.82	21.11	17.94
	23095	132322			1	49	1	0	2	0	21.5	18.0	22.81	21.1	17.95
	23130	132322			1	49	1	0	2	0	21.5	18.0	22.73	20.99	17.93

Uplink Carrier Aggregation Power for DSI 2														
E-UTRA CA Combination	PCC	SCC	Modulation	Bandwidth (MHz)	PCC		SCC		Total RB Size	Target MPR Level (dB)	Tune-up Power (dBm)	Measured Power (dBm)	PCC (dBm)	SCC (dBm)
	Channel	Channel			RB Size	RB Offset	RB Size	RB Offset						
CA_7C	20850	21048	QPSK	20+20	1	99	1	0	2	0	20.0	19.36	18.35	12.51
	21001	21199			1	99	1	0	2	0	20.0	19.46	18.43	12.72
	21350	21152			1	0	1	99	2	0	20.0	19.61	18.61	12.72
CA_40C	38750	38948	QPSK	20+20	1	99	1	0	2	0	23.0	22.53	21.76	14.61
	39051	39249			1	99	1	0	2	0	23.0	22.36	21.55	14.68
	39550	39352			1	0	1	99	2	0	23.0	22.42	21.61	14.72
CA_42C	41690	41888	QPSK	20+20	1	99	1	0	2	0	22.0	21.31	20.51	13.57
	42491	42689			1	99	1	0	2	0	22.0	21.32	20.49	13.71
	43490	43292			1	0	1	99	2	0	22.0	21.55	20.78	13.66
CA_48C	55340	55538	QPSK	20+20	1	99	1	0	2	0	22.0	21.21	20.42	13.42
	55773	55971			1	99	1	0	2	0	22.0	21.31	20.46	13.82
	56207	56405			1	99	1	0	2	0	22.0	21.29	20.51	13.44
	56640	56442			1	0	1	99	2	0	22.0	21.02	20.19	13.44
CA_66C	132072	132270	QPSK	20+20	1	99	1	0	2	0	23.0	22.48	21.52	15.46
	132323	132521			1	99	1	0	2	0	23.0	22.36	21.36	15.47
	132572	132374			1	0	1	99	2	0	23.0	22.39	21.43	15.38

Uplink Carrier Aggregation Power for DSI 2															
E-UTRA CA Combination	PCC	SCC	Modulation	Bandwidth (MHz)	PCC		SCC		Total RB Size	Target MPR Level (dB)	Tune-up Power PCC (dBm)	Tune-up Power SCC (dBm)	Measured Power (dBm)	Measured PCC (dBm)	Measured SCC (dBm)
	Channel	Channel			RB Size	RB Offset	RB Size	RB Offset							
CA_2A-4A	18700	20175	QPSK	20+20	1	99	1	0	2	0	20.0	20.0	22.80	19.61	19.96
	18900	20175			1	99	1	0	2	0	20.0	20.0	22.78	19.6	19.94
	19100	20175			1	99	1	0	2	0	20.0	20.0	22.81	19.62	19.97
CA_2A-5A	18700	20525	QPSK	20+10	1	99	1	0	2	0	20.0	24.5	24.58	19.61	22.91
	18900	20525			1	99	1	0	2	0	20.0	24.5	24.54	19.6	22.86
	19100	20525			1	99	1	0	2	0	20.0	24.5	24.53	19.62	22.83
CA_2A-7A	18700	21100	QPSK	20+20	1	99	1	0	2	0	20.0	18.0	21.89	19.61	17.99
	18900	21100			1	99	1	0	2	0	20.0	18.0	21.85	19.6	17.92
	19100	21100			1	99	1	0	2	0	20.0	18.0	21.85	19.62	17.9
CA_2A-66A	18700	132322	QPSK	20+20	1	99	1	0	2	0	20.0	20.0	22.78	19.61	19.93
	18900	132322			1	99	1	0	2	0	20.0	20.0	22.77	19.6	19.92
	19100	132322			1	99	1	0	2	0	20.0	20.0	22.78	19.62	19.91
CA_4A-5A	20050	20525	QPSK	20+10	1	99	1	0	2	0	20.0	24.5	24.24	18.44	22.91
	20175	20525			1	99	1	0	2	0	20.0	24.5	24.17	18.34	22.86
	20300	20525			1	99	1	0	2	0	20.0	24.5	24.09	18.12	22.83
CA_4A-7A	20050	21100	QPSK	20+20	1	99	1	0	2	0	20.0	18.0	21.74	19.37	17.99
	20175	21100			1	99	1	0	2	0	20.0	18.0	21.73	19.39	17.92
	20300	21100			1	99	1	0	2	0	20.0	18.0	21.80	19.52	17.9
CA_5A-7A	20450	21100	QPSK	10+20	1	49	1	0	2	0	24.5	18.0	23.93	22.65	17.99
	20525	21100			1	49	1	0	2	0	24.5	18.0	23.89	22.63	17.92
	20600	21100			1	49	1	0	2	0	24.5	18.0	23.87	22.61	17.9
CA_5A-66A	20450	132322	QPSK	10+20	1	49	1	0	2	0	24.5	20.0	24.52	22.65	19.97
	20525	132322			1	49	1	0	2	0	24.5	20.0	24.51	22.63	19.98
	20600	132322			1	49	1	0	2	0	24.5	20.0	24.49	22.61	19.96
CA_7A-26A	20850	26865	QPSK	20+15	1	99	1	0	2	0	18.0	24.5	23.75	17.69	22.51
	21100	26865			1	99	1	0	2	0	18.0	24.5	23.86	17.7	22.66
	21350	26865			1	99	1	0	2	0	18.0	24.5	23.87	17.59	22.71
CA_12A-66A	23060	132322	QPSK	10+20	1	49	1	0	2	0	24.5	20.0	25.28	23.77	19.97
	23095	132322			1	49	1	0	2	0	24.5	20.0	25.27	23.74	19.98
	23130	132322			1	49	1	0	2	0	24.5	20.0	25.27	23.75	19.96

Uplink Carrier Aggregation Power for DSI 3														
E-UTRA CA Combination	PCC	SCC	Modulation	Bandwidth (MHz)	PCC		SCC		Total RB Size	Target MPR Level (dB)	Tune-up Power (dBm)	Measured Power (dBm)	PCC (dBm)	SCC (dBm)
	Channel	Channel			RB Size	RB Offset	RB Size	RB Offset						
CA_7C	20850	21048	QPSK	20+20	1	99	1	0	2	0	19.0	18.41	17.46	11.32
	21001	21199			1	99	1	0	2	0	19.0	18.38	17.37	11.56
	21350	21152			1	0	1	99	2	0	19.0	18.65	17.66	11.73
CA_40C	38750	38948	QPSK	20+20	1	99	1	0	2	0	22.0	21.48	20.71	13.56
	39051	39249			1	99	1	0	2	0	22.0	21.19	20.39	13.42
	39550	39352			1	0	1	99	2	0	22.0	21.43	20.66	13.51
CA_42C	41690	41888	QPSK	20+20	1	99	1	0	2	0	21.0	20.34	19.51	12.73
	42491	42689			1	99	1	0	2	0	21.0	20.50	19.72	12.67
	43490	43292			1	0	1	99	2	0	21.0	20.64	19.88	12.71
CA_48C	55340	55538	QPSK	20+20	1	99	1	0	2	0	21.0	20.22	19.42	12.48
	55773	55971			1	99	1	0	2	0	21.0	20.27	19.48	12.5
	56207	56405			1	99	1	0	2	0	21.0	20.30	19.51	12.52
	56640	56442			1	0	1	99	2	0	21.0	20.24	19.45	12.44
CA_66C	132072	132270	QPSK	20+20	1	99	1	0	2	0	22.0	21.54	20.58	14.49
	132323	132521			1	99	1	0	2	0	22.0	21.49	20.5	14.56
	132572	132374			1	0	1	99	2	0	22.0	21.44	20.48	14.41

Uplink Carrier Aggregation Power for DSI 3															
E-UTRA CA Combination	PCC	SCC	Modulation	Bandwidth (MHz)	PCC		SCC		Total RB Size	Target MPR Level (dB)	Tune-up Power PCC (dBm)	Tune-up Power SCC (dBm)	Measured Power (dBm)	Measured PCC (dBm)	Measured SCC (dBm)
	Channel	Channel			RB Size	RB Offset	RB Size	RB Offset							
CA_2A-4A	18700	20175	QPSK	20+20	1	99	1	0	2	0	19.0	19.0	21.73	18.48	18.94
	18900	20175			1	99	1	0	2	0	19.0	19.0	21.84	18.7	18.95
	19100	20175			1	99	1	0	2	0	19.0	19.0	21.79	18.59	18.96
CA_2A-5A	18700	20525	QPSK	20+10	1	99	1	0	2	0	19.0	24.5	24.25	18.48	22.91
	18900	20525			1	99	1	0	2	0	19.0	24.5	24.27	18.7	22.86
	19100	20525			1	99	1	0	2	0	19.0	24.5	24.22	18.59	22.83
CA_2A-7A	18700	21100	QPSK	20+20	1	99	1	0	2	0	19.0	17.0	20.76	18.48	16.87
	18900	21100			1	99	1	0	2	0	19.0	17.0	20.88	18.7	16.84
	19100	21100			1	99	1	0	2	0	19.0	17.0	20.82	18.59	16.86
CA_2A-66A	18700	132322	QPSK	20+20	1	99	1	0	2	0	19.0	19.0	21.73	18.48	18.95
	18900	132322			1	99	1	0	2	0	19.0	19.0	21.82	18.7	18.91
	19100	132322			1	99	1	0	2	0	19.0	19.0	21.75	18.59	18.89
CA_4A-5A	20050	20525	QPSK	20+10	1	99	1	0	2	0	19.0	24.5	24.24	18.44	22.91
	20175	20525			1	99	1	0	2	0	19.0	24.5	24.17	18.34	22.86
	20300	20525			1	99	1	0	2	0	19.0	24.5	24.09	18.12	22.83
CA_4A-7A	20050	21100	QPSK	20+20	1	99	1	0	2	0	19.0	17.0	20.84	18.62	16.87
	20175	21100			1	99	1	0	2	0	19.0	17.0	20.99	18.88	16.84
	20300	21100			1	99	1	0	2	0	19.0	17.0	21.05	18.97	16.86
CA_5A-7A	20450	21100	QPSK	10+20	1	49	1	0	2	0	24.5	17.0	23.67	22.65	16.87
	20525	21100			1	49	1	0	2	0	24.5	17.0	23.65	22.63	16.84
	20600	21100			1	49	1	0	2	0	24.5	17.0	23.63	22.61	16.86
CA_5A-66A	20450	132322	QPSK	10+20	1	49	1	0	2	0	24.5	19.0	24.18	22.65	18.91
	20525	132322			1	49	1	0	2	0	24.5	19.0	24.17	22.63	18.93
	20600	132322			1	49	1	0	2	0	24.5	19.0	24.15	22.61	18.89
CA_7A-26A	20850	26865	QPSK	20+15	1	99	1	0	2	0	17.0	24.5	23.50	16.6	22.51
	21100	26865			1	99	1	0	2	0	17.0	24.5	23.53	16.64	22.53
	21350	26865			1	99	1	0	2	0	17.0	24.5	23.60	16.59	22.64
CA_12A-66A	23060	132322	QPSK	10+20	1	49	1	0	2	0	24.5	19.0	24.80	23.51	18.91
	23095	132322			1	49	1	0	2	0	24.5	19.0	24.80	23.5	18.93
	23130	132322			1	49	1	0	2	0	24.5	19.0	24.71	23.39	18.89

8.6. Measured Conducted Power Results for 5G NR FR1

Test Notes:

- [1] Per October 2020 TCB Workshop Guidance, 5G NR FR1 SAR evaluations are being generally based on adapting the existing LTE SAR procedures (KDB Publication 941225 D05).
- [2] The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS 36.101 specification.
 - UE Power Class: 3 (23 $\pm$ 2 dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.2.3-1 of the 3GPP TS 38.521-1.
 - The allowed A-MPR values specified below in Table 6.2.3.3.1-1 of 3GPP TS 38.521-1 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".
- [3] According to April 2015 TCB workshop, SAR test exclusion can be applied for testing overlapping 5G NR FR1 bands as follows:
NR Band 38 (2570 ~ 2620 MHz) is covered by NR Band 41 (2496 ~ 2690 MHz)
- [4] Some 5G NR FR1 bands do not support three non-overlapping channels. Per KDB Publication 941225 D05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
- [5] The conducted power measurement for DFT-s-OFDM was performed on $\pi/2$ BPSK and QPSK with the largest bandwidth, and higher order modulations as 16QAM / 64QAM / 256QAM has been verified using 1RB allocation.
- [6] For lower bandwidth, the conducted power has been verified for QPSK with 1RB allocation.
- [7] SAR and conducted power for CP-OFDM is not required due to the CP-OFDM tune-up limit power is not 0.5 dB higher than DFT-s-OFDM and the reported SAR of DFT-s-OFDM is ≤ 1.45 W/kg.
- [8] The measured conducted power of highest bandwidth has been listed in below, and the measured conducted power for other bandwidth can be found in LTE and NR Lower Bandwidth Conducted Power Appendix.
- [9] EN-DC Power Verification "Although the total output power of EN-DC mode is lower than or equal to the Standalone (SA) mode, which meets the FCC criteria for SAR test exclusion, power measurements were specifically performed for verification purposes. To ensure a conservative assessment, the maximum channel bandwidth was selected for testing to validate the peak power characteristics of the EN-DC configuration.

Band					5GNR n2(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000	376000	380000	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	18.60	18.59	18.47	19
		1	53	0	18.57	18.35	18.55	19
		1	104	0	18.42	18.44	18.44	19
		50	0	0	18.25	18.16	18.34	19
		50	28	0	18.36	18.36	18.42	19
		50	56	0	18.19	18.44	18.09	19
	DFT-S QPSK	100	0	0	18.25	18.50	18.27	19
		1	1	0	18.97	18.95	18.96	19
		1	53	0	18.82	18.72	18.83	19
		1	104	0	18.66	18.52	18.73	19
		50	0	0	18.84	18.61	18.74	19
		50	28	0	18.92	18.89	18.85	19
		50	56	0	18.53	18.35	18.60	19
		100	0	0	18.76	18.61	18.74	19
	DFT-S 16QAM	1	1	0	18.68	18.60	18.67	19
	DFT-S 64QAM	1	1	0	18.69	18.67	18.67	19
	DFT-S 256QAM	1	1	0	18.42	18.57	18.46	19
	CP QPSK	1	1	0	18.65	18.75	18.58	19

Band					5GNR n2(DSI-2) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000	376000	380000	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	22.89	22.87	22.85	23
		1	53	0	22.70	22.79	22.80	23
		1	104	0	22.60	22.80	22.77	23
		50	0	0.5	22.30	22.47	22.50	22.5
		50	28	0	22.60	22.86	22.84	23
		50	56	0.5	22.21	22.31	22.36	22.5
	DFT-S QPSK	100	0	0.5	22.27	22.25	22.19	22.5
		1	1	0	22.96	22.95	22.91	23
		1	53	0	22.95	22.89	22.81	23
		1	104	0	22.83	22.79	22.75	23
		50	0	1	21.80	21.75	21.54	22
		50	28	0	22.91	22.91	22.87	23
		50	56	1	21.78	21.68	21.38	22
		100	0	1	21.88	21.85	21.63	22
	DFT-S 16QAM	1	1	1	21.78	21.62	21.41	22
	DFT-S 64QAM	1	1	2.5	20.42	20.13	19.84	20.5
	DFT-S 256QAM	1	1	4.5	18.36	18.25	17.99	18.5
	CP QPSK	1	1	1.5	21.24	21.25	20.95	21.5

Band					5GNR n2(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	372000	376000	380000	Tune-up Limit (dBm)
					1860.0	1880.0	1900.0	
20	DFT-S $\pi/2$ BPSK	1	1	0	21.58	21.64	21.69	22
		1	53	0	21.59	21.42	21.56	22
		1	104	0	21.49	21.40	21.44	22
		50	0	0	21.40	21.27	21.34	22
		50	28	0	21.46	21.44	21.47	22
		50	56	0	21.15	21.52	21.23	22
	DFT-S QPSK	100	0	0	21.32	21.46	21.30	22
		1	1	0	21.96	21.93	21.97	22
		1	53	0	21.77	21.76	21.83	22
		1	104	0	21.82	21.61	21.81	22
		50	0	0	21.79	21.60	21.86	22
		50	28	0	21.91	21.90	21.92	22
		50	56	0	21.86	21.89	21.86	22
		100	0	0	21.87	21.79	21.68	22
	DFT-S 16QAM	1	1	0	21.78	21.60	21.73	22
	DFT-S 64QAM	1	1	0	21.66	21.72	21.73	22
	DFT-S 256QAM	1	1	0	21.74	21.65	21.75	22
	CP QPSK	1	1	0	21.43	21.60	21.50	22

BW (MHz)	Modulation	Band			5G NR n5(DSI-1&2&3) Ant 0			
		RB Size	RB Offset	3GPP MPR (dB)	166800 834.0	167300 836.5	167800 839.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	23.50	23.47	23.43	24.50
		1	53	0	23.32	23.42	23.43	24.50
		1	104	0	23.16	23.36	23.41	24.50
		50	0	0.5	22.88	23.10	23.06	24.00
		50	28	0	23.48	23.23	23.43	24.50
		50	56	0.5	22.86	22.90	22.96	24.00
		100	0	0.5	22.86	22.89	22.80	24.00
	DFT-S QPSK	1	1	0	23.70	23.68	23.66	24.50
		1	53	0	23.66	23.53	23.36	24.50
		1	104	0	23.44	23.38	23.39	24.50
		50	0	1	22.36	22.32	22.16	23.50
		50	28	0	23.64	23.61	23.57	24.50
		50	56	1	22.35	22.24	22.00	23.50
		100	0	1	22.81	22.75	22.72	23.50
	DFT-S 16QAM	1	1	1	22.43	22.21	22.05	23.50
	DFT-S 64QAM	1	1	2.5	21.00	20.75	20.41	22.00
	DFT-S 256QAM	1	1	4.5	18.91	18.87	18.59	20.00
	CP QPSK	1	1	1.5	21.83	21.89	21.50	23.00

Band					5GNR n7(DSI-1) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	504000 2520.0	507000 2535.0	510000 2550.0	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	17.83	17.59	17.61	18.00
		1	108	0	17.75	17.59	17.44	18.00
		1	214	0	17.48	17.41	17.44	18.00
		108	0	0	17.60	17.40	17.29	18.00
		108	54	0	17.52	17.48	17.37	18.00
		108	108	0	17.66	17.15	17.49	18.00
	DFT-S QPSK	216	0	0	17.60	17.31	17.50	18.00
		1	1	0	17.95	17.98	17.96	18.00
		1	108	0	17.59	17.79	17.76	18.00
		1	214	0	17.56	17.84	17.63	18.00
		108	0	0	17.58	17.82	17.57	18.00
		108	54	0	17.87	17.94	17.90	18.00
	DFT-S 16QAM	108	108	0	17.67	17.66	17.51	18.00
		216	0	0	17.55	17.80	17.53	18.00
		1	1	0	17.42	17.65	17.70	18.00
		1	1	0	17.70	17.76	17.67	18.00
		1	1	0	17.57	17.43	17.64	18.00
		1	1	0	17.56	17.73	17.76	18.00

Band					5GNR n7(DSI-2) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	504000 2520.0	507000 2535.0	510000 2550.0	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	19.91	19.97	19.94	20.00
		1	108	0	19.98	19.99	19.96	20.00
		1	214	0	19.90	19.94	19.90	20.00
		108	0	0.5	19.43	19.46	19.40	19.50
		108	54	0	19.86	19.96	19.96	20.00
		108	108	0.5	19.45	19.49	19.46	19.50
	DFT-S QPSK	216	0	0.5	19.41	19.45	19.41	19.50
		1	1	0	19.95	19.99	19.97	20.00
		1	108	0	19.86	19.95	19.91	20.00
		1	214	0	19.92	19.97	19.89	20.00
		108	0	1	18.92	18.97	18.88	19.00
		108	54	0	19.89	19.95	19.92	20.00
	DFT-S 16QAM	108	108	1	18.91	18.94	18.91	19.00
		216	0	1	18.85	18.94	18.89	19.00
		1	1	1	18.86	18.96	18.87	19.00
		1	1	2.5	17.39	17.48	17.38	17.50
		1	1	4.5	15.37	15.43	15.38	15.50
		1	1	1.5	18.47	18.47	18.40	18.50

Band					5GNR n7(DSI-3) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	504000 2520.0	507000 2535.0	510000 2550.0	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	18.57	18.62	18.52	19.00
		1	108	0	18.61	18.44	18.54	19.00
		1	214	0	18.40	18.42	18.48	19.00
		108	0	0	18.27	18.25	18.28	19.00
		108	54	0	18.43	18.47	18.40	19.00
		108	108	0	18.15	18.44	18.13	19.00
	DFT-S QPSK	216	0	0	18.25	18.43	18.23	19.00
		1	1	0	18.93	18.99	18.97	19.00
		1	108	0	18.76	18.74	18.90	19.00
		1	214	0	18.74	18.58	18.79	19.00
		108	0	0	18.85	18.61	18.71	19.00
		108	54	0	18.92	18.94	18.89	19.00
	DFT-S 16QAM	108	108	0	18.52	18.43	18.57	19.00
		216	0	0	18.69	18.77	18.74	19.00
		1	1	0	18.71	18.59	18.67	19.00
		1	1	0	18.73	18.64	18.74	19.00
		1	1	0	18.35	18.51	18.43	19.00
		1	1	0	18.59	18.82	18.64	19.00

BW (MHz)	Modulation	Band			5G NR n14(DSI-1&2&3) Ant 0	
		RB Size	RB Offset	3GPP MPR (dB)	158600	Tune-up Limit (dBm)
					793.0	
10	DFT-S $\pi/2$ BPSK	1	1	0	23.06	24.00
		1	26	0	23.00	24.00
		1	50	0	22.99	24.00
		25	0	0.5	22.74	23.50
		25	14	0	23.06	24.00
		25	27	0.5	22.59	23.50
	DFT-S QPSK	50	0	0.5	22.44	23.50
		1	1	0	23.55	24.00
		1	26	0	23.46	24.00
		1	50	0	23.38	24.00
		25	0	1	22.22	23.00
		25	14	0	23.44	24.00
	DFT-S 16QAM	25	27	1	22.03	23.00
		50	0	1	22.28	23.00
		1	1	1	22.06	23.00
		1	1	2.5	20.49	21.50
	DFT-S 64QAM	1	1	4.5	18.64	19.50
	DFT-S 256QAM	1	1	1.5	21.60	22.50
	CP QPSK	1	1			

BW (MHz)	Modulation	Band			5G NR n30(DSI-1&3) Ant 6	
		RB Size	RB Offset	3GPP MPR (dB)	462000	Tune-up Limit (dBm)
					2310.0	
10	DFT-S $\pi/2$ BPSK	1	1	0	19.74	20.00
		1	26	0	19.66	20.00
		1	50	0	19.53	20.00
		25	0	0	19.56	20.00
		25	14	0	19.50	20.00
		25	27	0	19.36	20.00
	DFT-S QPSK	50	0	0	19.50	20.00
		1	1	0	19.98	20.00
		1	26	0	19.91	20.00
		1	50	0	19.85	20.00
		25	0	0	19.69	20.00
		25	14	0	19.84	20.00
	DFT-S 16QAM	25	27	0	19.69	20.00
		50	0	0	19.70	20.00
		1	1	0	19.88	20.00
		1	1	0	19.71	20.00
	DFT-S 64QAM	1	1	0	19.82	20.00
	DFT-S 256QAM	1	1	0	19.71	20.00
	CP QPSK	1	1	0		

BW (MHz)	Modulation	Band			5G NR n30(DSI-2) Ant 6	
		RB Size	RB Offset	3GPP MPR (dB)	462000	Tune-up Limit (dBm)
					2310.0	
10	DFT-S $\pi/2$ BPSK	1	1	0	18.88	19.00
		1	26	0	18.90	19.00
		1	50	0	18.81	19.00
		25	0	0	18.39	19.00
		25	14	0	18.93	19.00
		25	27	0	18.39	19.00
	DFT-S QPSK	50	0	0	18.37	19.00
		1	1	0	18.99	19.00
		1	26	0	18.83	19.00
		1	50	0	18.87	19.00
		25	0	0	17.79	19.00
		25	14	0	18.81	19.00
	DFT-S 16QAM	25	27	0	17.82	19.00
		50	0	0	17.80	19.00
		1	1	0	17.87	19.00
		1	1	0	16.32	19.00
	DFT-S 64QAM	1	1	0	14.38	19.00
	DFT-S 256QAM	1	1	0	17.30	19.00
	CP QPSK	1	1	0		

Band					5GNR n38(DSI-1) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	518000	519000	520000	Tune-up Limit (dBm)
					2590.0	2595.0	2600.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	18.78	18.58	18.68	19
		1	53	0	18.75	18.53	18.49	19
		1	104	0	18.47	18.39	18.39	19
		50	0	0	18.62	18.34	18.26	19
		50	28	0	18.54	18.46	18.44	19
		50	56	0	18.66	18.24	18.52	19
	DFT-S QPSK	100	0	0	18.65	18.35	18.44	19
		1	1	0	18.92	18.90	18.88	19
		1	53	0	18.90	18.87	18.77	19
		1	104	0	18.85	18.79	18.66	19
		50	0	0	18.79	18.83	18.60	19
		50	28	0	18.90	18.85	18.87	19
	DFT-S 16QAM	50	56	0	18.60	18.67	18.43	19
		100	0	0	18.77	18.73	18.60	19
		1	1	0	18.42	18.73	18.63	19
		1	1	0	18.72	18.75	18.64	19
		1	1	0	18.63	18.43	18.59	19
		1	1	0	18.56	18.65	18.82	19
	DFT-S 64QAM	1	1	0				
	DFT-S 256QAM	1	1	0				
	CP QPSK	1	1	0				

Band					5GNR n38(DSI-2) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	518000	519000	520000	Tune-up Limit (dBm)
					2590.0	2595.0	2600.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	22.91	22.82	22.84	23
		1	53	0	22.85	22.79	22.72	23
		1	104	0	22.81	22.75	22.73	23
		50	0	0.5	22.45	22.32	22.35	22.5
		50	28	0	22.92	22.81	22.87	23
		50	56	0.5	22.49	22.39	22.49	22.5
	DFT-S QPSK	100	0	0.5	22.40	22.29	22.33	22.5
		1	1	0	22.94	22.85	22.86	23
		1	53	0	22.90	22.72	22.69	23
		1	104	0	22.97	22.78	22.67	23
		50	0	1	21.90	21.85	21.90	22
		50	28	0	22.67	22.64	22.65	23
	DFT-S 16QAM	50	56	1	21.91	21.85	21.86	22
		100	0	1	21.92	21.80	21.73	22
		1	1	1	21.97	21.83	21.78	22
		1	1	2.5	20.50	20.34	20.19	20.5
		1	1	4.5	18.41	18.13	18.25	18.5
		1	1	1.5	21.44	21.32	21.41	21.5
	DFT-S 64QAM	1	1					
	DFT-S 256QAM	1	1					
	CP QPSK	1	1					

Band					5GNR n38(DSI-3) Ant 4			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	518000	519000	520000	Tune-up Limit (dBm)
					2590.0	2595.0	2600.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	21.60	21.63	21.72	22
		1	53	0	21.60	21.40	21.65	22
		1	104	0	21.48	21.41	21.73	22
		50	0	0	21.33	21.35	21.52	22
		50	28	0	21.47	21.37	21.52	22
		50	56	0	21.17	21.45	21.50	22
	DFT-S QPSK	100	0	0	21.28	21.44	21.62	22
		1	1	0	21.99	21.95	21.90	22
		1	53	0	21.77	21.79	21.62	22
		1	104	0	21.81	21.64	21.72	22
		50	0	0	21.83	21.66	21.52	22
		50	28	0	21.93	21.89	21.83	22
	DFT-S 16QAM	50	56	0	21.65	21.43	21.57	22
		100	0	0	21.77	21.59	21.62	22
		1	1	0	21.71	21.71	21.78	22
		1	1	0	21.74	21.68	21.58	22
		1	1	0	21.43	21.62	21.68	22
		1	1	0	21.65	21.75	21.55	22
	DFT-S 64QAM	1	1					
	DFT-S 256QAM	1	1					
	CP QPSK	1	1					

Band					5GNR n41(DSI-1) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	509202	513900	518598	523302	528000	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	18.64	18.61	18.64	18.69	18.72	19
		1	137	0	18.60	18.46	18.62	18.40	18.59	19
		1	271	0	18.47	18.39	18.40	18.46	18.66	19
		135	0	0	18.39	18.35	18.33	18.26	18.50	19
		135	69	0	18.47	18.43	18.50	18.37	18.57	19
		135	138	0	18.20	18.51	18.18	18.53	18.56	19
		270	0	0	18.28	18.43	18.35	18.43	18.56	19
	DFT-S QPSK	1	1	0	18.98	18.97	18.85	18.89	18.92	19
		1	137	0	18.79	18.79	18.85	18.71	18.65	19
		1	271	0	18.74	18.64	18.82	18.62	18.70	19
		135	0	0	18.81	18.58	18.78	18.58	18.56	19
		135	69	0	18.92	18.87	18.86	18.83	18.61	19
		135	138	0	18.65	18.46	18.64	18.50	18.56	19
		270	0	0	18.79	18.56	18.78	18.62	18.59	19
	DFT-S 16QAM	1	1	0	18.73	18.66	18.69	18.67	18.77	19
	DFT-S 64QAM	1	1	0	18.69	18.68	18.72	18.62	18.56	19
	DFT-S 256QAM	1	1	0	18.42	18.62	18.45	18.59	18.70	19
	CP QPSK	1	1	0	18.64	18.80	18.69	18.81	18.53	19

Band					5GNR n41(DSI-2) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	509202	513900	518598	523302	528000	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	22.81	22.74	22.75	22.72	22.78	23
		1	137	0	22.66	22.70	22.71	22.78	22.69	23
		1	271	0	22.64	22.59	22.66	22.68	22.64	23
		135	0	0.5	22.36	22.36	22.31	22.28	22.28	22.5
		135	69	0	22.81	22.80	22.84	22.73	22.77	23
		135	138	0.5	22.32	22.38	22.39	22.33	22.42	22.5
		270	0	0.5	22.36	22.20	22.33	22.27	22.28	22.5
	DFT-S QPSK	1	1	0	22.86	22.85	22.79	22.85	22.80	23
		1	137	0	22.85	22.81	22.81	22.89	22.78	23
		1	271	0	22.71	22.62	22.67	22.76	22.75	23
		135	0	1	21.76	21.69	21.66	21.80	21.77	22
		135	69	0	22.83	22.76	22.73	22.81	22.78	23
		135	138	1	21.76	21.76	21.75	21.81	21.83	22
		270	0	1	21.90	21.82	21.77	21.80	21.77	22
	DFT-S 16QAM	1	1	1	21.77	21.81	21.81	21.86	21.75	22
	DFT-S 64QAM	1	1	2.5	20.38	20.37	20.39	20.43	20.28	20.5
	DFT-S 256QAM	1	1	4.5	18.28	18.27	18.28	18.28	18.11	18.5
	CP QPSK	1	1	1.5	21.33	21.33	21.38	21.43	21.27	21.5

Band					5GNR n41(DSI-3) Ant 4					
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	509202	513900	518598	523302	528000	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	21.69	21.61	21.55	21.63	21.62	22
		1	137	0	21.54	21.46	21.59	21.44	21.61	22
		1	271	0	21.40	21.39	21.44	21.43	21.45	22
		135	0	0	21.35	21.35	21.37	21.33	21.54	22
		135	69	0	21.59	21.39	21.44	21.45	21.48	22
		135	138	0	21.15	21.45	21.24	21.44	21.51	22
		270	0	0	21.33	21.50	21.27	21.41	21.58	22
	DFT-S QPSK	1	1	0	21.96	21.95	21.91	21.92	21.94	22
		1	137	0	21.80	21.75	21.77	21.73	21.64	22
		1	271	0	21.83	21.62	21.79	21.66	21.73	22
		135	0	0	21.87	21.58	21.87	21.60	21.58	22
		135	69	0	21.93	21.82	21.89	21.90	21.89	22
		135	138	0	21.70	21.45	21.65	21.52	21.52	22
		270	0	0	21.79	21.59	21.73	21.60	21.60	22
	DFT-S 16QAM	1	1	0	21.69	21.73	21.70	21.64	21.77	22
	DFT-S 64QAM	1	1	0	21.68	21.63	21.70	21.68	21.58	22
	DFT-S 256QAM	1	1	0	21.42	21.62	21.44	21.63	21.68	22
	CP QPSK	1	1	0	21.70	21.81	21.72	21.77	21.58	22

Band					5GNR n48(DSI-1) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	638000	640444	642888	645332	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	19.67	19.57	19.67	19.69	20
		1	53	0	19.47	19.57	19.44	19.66	20
		1	104	0	19.44	19.41	19.37	19.72	20
		50	0	0	19.33	19.41	19.27	19.59	20
		50	28	0	19.38	19.41	19.46	19.57	20
		50	56	0	19.50	19.16	19.44	19.58	20
	DFT-S QPSK	100	0	0	19.45	19.33	19.50	19.65	20
		1	1	0	19.93	19.96	19.94	19.98	20
		1	53	0	19.74	19.72	19.69	19.80	20
		1	104	0	19.63	19.57	19.60	19.71	20
		50	0	0	19.57	19.56	19.60	19.81	20
		50	28	0	19.87	19.91	19.91	19.95	20
	DFT-S 16QAM	50	56	0	19.66	19.67	19.46	19.65	20
		100	0	0	19.54	19.76	19.55	19.77	20
	DFT-S 64QAM	1	1	0	19.43	19.72	19.72	19.70	20
	DFT-S 256QAM	1	1	0	19.76	19.70	19.70	19.70	20
	CP QPSK	1	1	0	19.59	19.45	19.61	19.41	20
		1	1	0	19.53	19.73	19.80	19.65	20

Band					5GNR n48(DSI-2) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	638000	640444	642888	645332	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	21.88	21.77	21.72	21.80	22
		1	53	0	21.70	21.67	21.78	21.91	22
		1	104	0	21.66	21.59	21.71	21.69	22
		50	0	0.5	21.22	21.16	21.14	21.26	21.5
		50	28	0	21.87	21.88	21.85	21.74	22
		50	56	0.5	21.21	21.21	21.32	21.15	21.5
	DFT-S QPSK	100	0	0.5	21.24	21.06	21.25	21.16	21.5
		1	1	0	21.95	21.97	21.96	21.98	22
		1	53	0	21.70	21.65	21.62	21.84	22
		1	104	0	21.61	21.52	21.52	21.61	22
		50	0	1	20.74	20.60	20.61	20.67	21
		50	28	0	21.89	21.93	21.93	21.94	22
	DFT-S 16QAM	50	56	1	20.67	20.59	20.72	20.71	21
		100	0	1	20.77	20.69	20.69	20.89	21
	DFT-S 64QAM	1	1	1	20.69	20.68	20.76	20.75	21
	DFT-S 256QAM	1	1	2.5	19.31	19.26	19.20	19.30	19.5
	CP QPSK	1	1	4.5	17.15	17.20	17.17	17.16	17.5
		1	1	1.5	20.24	20.26	20.30	20.30	20.5

Band					5GNR n48(DSI-3) Ant 2				
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	638000	640444	642888	645332	Tune-up Limit (dBm)
40	DFT-S $\pi/2$ BPSK	1	1	0	20.77	20.63	20.73	20.69	21
		1	53	0	20.69	20.57	20.53	20.72	21
		1	104	0	20.38	20.48	20.48	20.58	21
		50	0	0	20.62	20.37	20.35	20.54	21
		50	28	0	20.48	20.52	20.51	20.53	21
		50	56	0	20.65	20.31	20.62	20.36	21
	DFT-S QPSK	100	0	0	20.63	20.46	20.51	20.43	21
		1	1	0	20.95	20.97	20.93	20.98	21
		1	53	0	20.83	20.81	20.75	20.81	21
		1	104	0	20.85	20.70	20.59	20.84	21
		50	0	0	20.78	20.75	20.51	20.78	21
		50	28	0	20.91	20.93	20.90	20.95	21
	DFT-S 16QAM	50	56	0	20.52	20.60	20.39	20.67	21
		100	0	0	20.70	20.67	20.53	20.83	21
	DFT-S 64QAM	1	1	0	20.42	20.65	20.58	20.70	21
	DFT-S 256QAM	1	1	0	20.62	20.66	20.55	20.72	21
	CP QPSK	1	1	0	20.55	20.40	20.57	20.44	21
		1	1	0	20.56	20.63	20.79	20.72	21

Band					5G NR n66(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	19.64	19.70	19.78	20.00
		1	108	0	19.63	19.49	19.72	20.00
		1	214	0	19.49	19.47	19.77	20.00
		108	0	0	19.42	19.35	19.65	20.00
		108	54	0	19.51	19.47	19.63	20.00
		108	108	0	19.25	19.53	19.58	20.00
	DFT-S QPSK	216	0	0	19.36	19.51	19.66	20.00
		1	1	0	19.97	19.96	19.91	20.00
		1	108	0	19.83	19.77	19.75	20.00
		1	214	0	19.80	19.67	19.81	20.00
		108	0	0	19.84	19.63	19.66	20.00
		108	54	0	19.96	19.92	19.89	20.00
	DFT-S 16QAM	108	108	0	19.70	19.52	19.65	20.00
		216	0	0	19.77	19.59	19.70	20.00
		1	1	0	19.75	19.73	19.79	20.00
		1	1	0	19.76	19.70	19.69	20.00
		1	1	0	19.50	19.67	19.76	20.00
		1	1	0	19.73	19.85	19.60	20.00

Band					5G NR n66(DSI-2) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	22.91	22.84	22.85	23.00
		1	108	0	22.92	22.88	22.83	23.00
		1	214	0	22.94	22.93	22.94	23.00
		108	0	0.5	22.47	22.37	22.45	22.50
		108	54	0	22.95	22.94	22.93	23.00
		108	108	0.5	22.46	22.42	22.44	22.50
	DFT-S QPSK	216	0	0.5	22.48	22.39	22.43	22.50
		1	1	0	22.99	22.97	22.96	23.00
		1	108	0	22.90	22.81	22.81	23.00
		1	214	0	22.94	22.90	22.90	23.00
		108	0	1	21.98	21.91	21.89	22.00
		108	54	0	22.98	22.93	22.89	23.00
	DFT-S 16QAM	108	108	1	21.90	21.80	21.82	22.00
		216	0	1	21.91	21.89	21.85	22.00
		1	1	1	21.93	21.85	21.83	22.00
		1	1	2.5	20.46	20.44	20.37	20.50
		1	1	4.5	18.44	18.44	18.38	18.50
		1	1	1.5	21.43	21.39	21.35	21.50

Band					5G NR n66(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	346000	349000	352000	Tune-up Limit (dBm)
					1730.0	1745.0	1760.0	
40	DFT-S $\pi/2$ BPSK	1	1	0	21.69	21.63	21.63	22.00
		1	108	0	21.39	21.63	21.45	22.00
		1	214	0	21.37	21.42	21.39	22.00
		108	0	0	21.33	21.32	21.34	22.00
		108	54	0	21.44	21.43	21.41	22.00
		108	108	0	21.48	21.16	21.44	22.00
	DFT-S QPSK	216	0	0	21.42	21.35	21.50	22.00
		1	1	0	21.95	21.93	21.94	22.00
		1	108	0	21.81	21.87	21.81	22.00
		1	214	0	21.65	21.83	21.68	22.00
		108	0	0	21.57	21.81	21.67	22.00
		108	54	0	21.92	21.91	21.90	22.00
	DFT-S 16QAM	108	108	0	21.85	21.62	21.50	22.00
		216	0	0	21.88	21.78	21.60	22.00
		1	1	0	21.64	21.70	21.64	22.00
		1	1	0	21.64	21.67	21.70	22.00
		1	1	0	21.60	21.46	21.66	22.00
		1	1	0	21.81	21.66	21.75	22.00

Band					5G NR n70(DSI-1) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	340000	340500	341000	Tune-up Limit (dBm)
					1700.0	1702.5	1705.0	
10	DFT-S $\pi/2$ BPSK	1	1	0	19.60	19.65	19.73	20.00
		1	26	0	19.53	19.45	19.72	20.00
		1	50	0	19.43	19.37	19.71	20.00
		25	0	0	19.42	19.35	19.62	20.00
		25	14	0	19.49	19.37	19.60	20.00
		25	27	0	19.16	19.46	19.55	20.00
		50	0	0	19.31	19.49	19.60	20.00
	DFT-S QPSK	1	1	0	19.98	19.96	19.95	20.00
		1	26	0	19.81	19.77	19.64	20.00
		1	50	0	19.79	19.57	19.68	20.00
		25	0	0	19.77	19.55	19.60	20.00
		25	14	0	19.96	19.94	19.94	20.00
		25	27	0	19.66	19.45	19.54	20.00
		50	0	0	19.73	19.52	19.64	20.00
	DFT-S 16QAM	1	1	0	19.69	19.70	19.72	20.00
	DFT-S 64QAM	1	1	0	19.73	19.66	19.63	20.00
	DFT-S 256QAM	1	1	0	19.48	19.57	19.77	20.00
	CP QPSK	1	1	0	19.63	19.83	19.64	20.00

Band					5G NR n70(DSI-2) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	340000	340500	341000	Tune-up Limit (dBm)
					1700.0	1702.5	1705.0	
10	DFT-S $\pi/2$ BPSK	1	1	0	22.84	22.81	22.86	23.00
		1	26	0	22.82	22.81	22.88	23.00
		1	50	0	22.88	22.84	22.85	23.00
		25	0	0.5	22.27	22.43	22.45	22.50
		25	14	0	22.84	22.89	22.89	23.00
		25	27	0.5	22.33	22.35	22.45	22.50
		50	0	0.5	22.32	22.37	22.40	22.50
	DFT-S QPSK	1	1	0	22.98	22.95	22.92	23.00
		1	26	0	22.80	22.75	22.80	23.00
		1	50	0	22.84	22.89	22.84	23.00
		25	0	1	21.87	21.82	21.94	22.00
		25	14	0	22.96	22.92	22.89	23.00
		25	27	1	21.88	21.79	21.87	22.00
		50	0	1	21.90	21.75	21.88	22.00
	DFT-S 16QAM	1	1	1	21.76	21.81	21.93	22.00
	DFT-S 64QAM	1	1	2.5	20.39	20.34	20.43	20.50
	DFT-S 256QAM	1	1	4.5	18.38	18.28	18.39	18.50
	CP QPSK	1	1	1.5	21.30	21.31	21.41	21.50

Band					5G NR n70(DSI-3) Ant 2			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	340000	340500	341000	Tune-up Limit (dBm)
					1700.0	1702.5	1705.0	
10	DFT-S $\pi/2$ BPSK	1	1	0	21.85	21.67	21.73	22.00
		1	26	0	21.68	21.44	21.65	22.00
		1	50	0	21.52	21.42	21.70	22.00
		25	0	0	21.45	21.26	21.55	22.00
		25	14	0	21.59	21.40	21.53	22.00
		25	27	0	21.28	21.49	21.53	22.00
		50	0	0	21.43	21.48	21.57	22.00
	DFT-S QPSK	1	1	0	21.99	21.94	21.93	22.00
		1	26	0	21.88	21.79	21.60	22.00
		1	50	0	21.86	21.70	21.69	22.00
		25	0	0	21.82	21.63	21.50	22.00
		25	14	0	21.97	21.91	21.89	22.00
		25	27	0	21.71	21.52	21.52	22.00
		50	0	0	21.90	21.57	21.65	22.00
	DFT-S 16QAM	1	1	0	21.83	21.64	21.68	22.00
	DFT-S 64QAM	1	1	0	21.76	21.65	21.63	22.00
	DFT-S 256QAM	1	1	0	21.52	21.57	21.64	22.00
	CP QPSK	1	1	0	21.79	21.81	21.58	22.00

Band					5GNR n71(DSI-1&2&3) Ant 0			
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	134600 673.0	136100 680.5	137600 688.0	Tune-up Limit (dBm)
20	DFT-S $\pi/2$ BPSK	1	1	0	23.34	23.38	23.26	24.00
		1	53	0	23.25	23.36	23.31	24.00
		1	104	0	23.30	23.43	23.25	24.00
		50	0	0.5	22.69	23.02	22.88	23.50
		50	28	0	23.33	23.41	23.35	24.00
		50	56	0.5	22.75	22.85	22.85	23.50
	DFT-S QPSK	100	0	0.5	22.75	22.89	22.84	23.50
		1	1	0	23.49	23.51	23.46	24.00
		1	53	0	23.28	23.35	23.27	24.00
		1	104	0	23.26	23.44	23.34	24.00
		50	0	1	22.37	22.35	22.36	23.00
		50	28	0	23.37	23.47	23.40	24.00
		50	56	1	22.28	22.31	22.34	23.00
		100	0	1	22.39	22.41	22.37	23.00
	DFT-S 16QAM	1	1	1	22.22	22.38	22.33	23.00
	DFT-S 64QAM	1	1	2.5	20.80	20.91	20.88	21.50
	DFT-S 256QAM	1	1	4.5	18.83	18.83	18.82	19.50
	CP QPSK	1	1	1.5	21.78	21.81	21.83	22.50

Band					5GNR n78(3450~3550MHz)(DSI-1) Ant 2		
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	633332 3499.98	Tune-up Limit (dBm)	
100	DFT-S $\pi/2$ BPSK	1	1	0	19.78	20	
		1	137	0	19.65	20	
		1	271	0	19.74	20	
		135	0	0	19.59	20	
		135	69	0	19.61	20	
		135	138	0	19.57	20	
	DFT-S QPSK	270	0	0	19.65	20	
		1	1	0	19.97	20	
		1	137	0	19.83	20	
		1	271	0	19.75	20	
		135	0	0	19.65	20	
		135	69	0	19.89	20	
		135	138	0	19.54	20	
		270	0	0	19.59	20	
	DFT-S 16QAM	1	1	0	19.72	20	
	DFT-S 64QAM	1	1	0	19.65	20	
	DFT-S 256QAM	1	1	0	19.74	20	
	CP QPSK	1	1	0	19.62	20	

Band					5GNR n78(3450~3550MHz)(DSI-2) Ant 2		
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	633332 3499.98	Tune-up Limit (dBm)	
100	DFT-S $\pi/2$ BPSK	1	1	0	21.79	22	
		1	137	0	21.64	22	
		1	271	0	21.48	22	
		135	0	0.5	21.19	21.5	
		135	69	0	21.68	22	
		135	138	0.5	21.16	21.5	
	DFT-S QPSK	270	0	0.5	21.33	21.5	
		1	1	0	21.99	22	
		1	137	0	21.68	22	
		1	271	0	21.70	22	
		135	0	1	20.68	21	
		135	69	0	21.96	22	
		135	138	1	20.67	21	
		270	0	1	20.77	21	
	DFT-S 16QAM	1	1	1	20.71	21	
	DFT-S 64QAM	1	1	2.5	19.29	19.5	
	DFT-S 256QAM	1	1	4.5	17.22	17.5	
	CP QPSK	1	1	1.5	20.17	20.5	

Band					5GNR n78(3450~3550MHz)(DSI-3) Ant 2	
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	633332 3499.98	Tune-up Limit (dBm)
100	DFT-S $\pi/2$ BPSK	1	1	0	20.77	21
		1	137	0	20.68	21
		1	271	0	20.30	21
		135	0	0	20.54	21
		135	69	0	20.44	21
		135	138	0	20.58	21
	DFT-S QPSK	270	0	0	20.55	21
		1	1	0	20.99	21
		1	137	0	20.90	21
		1	271	0	20.75	21
		135	0	0	20.69	21
		135	69	0	20.91	21
	DFT-S 16QAM	135	138	0	20.34	21
		270	0	0	20.45	21
		1	1	0	20.51	21
		1	1	0	20.53	21
	DFT-S 256QAM	1	1	0	20.57	21
	CP QPSK	1	1	0	20.72	21

Band					5GNR n78(3550-3700MHz)(DSI-1) Ant 2				Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	640000 3600.0	641110 3616.7	642222 3633.3	643332 3650.0	
100	DFT-S $\pi/2$ BPSK	1	1	0	19.70	19.61	19.63	19.68	20
		1	137	0	19.40	19.56	19.46	19.56	20
		1	271	0	19.42	19.47	19.44	19.74	20
		135	0	0	19.26	19.33	19.32	19.57	20
		135	69	0	19.38	19.49	19.42	19.61	20
		135	138	0	19.53	19.24	19.52	19.48	20
	DFT-S QPSK	270	0	0	19.49	19.30	19.47	19.58	20
		1	1	0	19.98	19.93	19.94	19.95	20
		1	137	0	19.74	19.84	19.77	19.60	20
		1	271	0	19.62	19.79	19.66	19.67	20
		135	0	0	19.57	19.82	19.61	19.56	20
		135	69	0	19.94	19.91	19.93	19.88	20
	DFT-S 16QAM	135	138	0	19.45	19.62	19.43	19.54	20
		270	0	0	19.81	19.79	19.63	19.57	20
		1	1	0	19.67	19.68	19.64	19.70	20
		1	1	0	19.64	19.69	19.61	19.57	20
	DFT-S 256QAM	1	1	0	19.59	19.43	19.59	19.72	20
	CP QPSK	1	1	0	19.81	19.72	19.78	19.51	20

Band					5GNR n78(3550-3700MHz)(DSI-2) Ant 2				Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset	3GPP MPR (dB)	640000 3600.0	641110 3616.7	642222 3633.3	643332 3650.0	
100	DFT-S $\pi/2$ BPSK	1	1	0	21.79	21.67	21.65	21.68	22
		1	137	0	21.64	21.61	21.67	21.77	22
		1	271	0	21.54	21.50	21.63	21.59	22
		135	0	0.5	21.28	21.26	21.22	21.28	21.5
		135	69	0	21.72	21.77	21.78	21.65	22
		135	138	0.5	21.24	21.30	21.33	21.23	21.5
	DFT-S QPSK	270	0	0.5	21.34	21.13	21.25	21.17	21.5
		1	1	0	21.97	21.96	21.94	21.97	22
		1	137	0	21.78	21.73	21.71	21.84	22
		1	271	0	21.70	21.58	21.59	21.69	22
		135	0	1	20.74	20.64	20.62	20.76	21
		135	69	0	21.95	21.88	21.91	21.91	22
	DFT-S 16QAM	135	138	1	20.67	20.68	20.72	20.81	21
		270	0	1	20.85	20.72	20.74	20.74	21
		1	1	1	20.73	20.75	20.77	20.80	21
		1	1	2.5	19.33	19.30	19.29	19.34	19.5
	DFT-S 256QAM	1	1	4.5	17.25	17.22	17.18	17.24	17.5
	CP QPSK	1	1	1.5	20.27	20.27	20.34	20.33	20.5