

				37825	38000	38175	
15MHz	QPSK	1	0	21.86	21.70	21.62	23.00
		1	38	21.87	21.74	21.81	23.00
		1	74	21.73	21.63	21.64	23.00
		36	0	21.83	21.80	21.70	23.00
		36	18	21.71	21.77	21.63	23.00
		36	39	21.72	21.66	21.63	23.00
		75	0	21.77	21.66	21.59	23.00
	16QAM	1	0	22.02	21.84	21.92	23.00
		1	38	21.92	21.84	21.64	23.00
		1	74	21.79	21.68	21.67	23.00
		36	0	20.86	20.75	20.66	22.00
		36	18	20.72	20.76	20.65	22.00
		36	39	20.79	20.75	20.67	22.00
		75	0	20.73	20.75	20.77	22.00
	64QAM	1	0	20.92	20.94	20.79	22.00
		1	38	20.91	20.89	20.88	22.00
		1	74	20.89	20.67	20.60	22.00
		36	0	19.77	19.73	19.75	21.00
		36	18	19.66	19.72	19.59	21.00
		36	39	19.89	19.81	19.62	21.00
		75	0	19.73	19.80	19.69	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	21.84	21.77	21.69	23.00
		1	50	21.87	21.69	21.76	23.00
		1	99	21.79	21.71	21.66	23.00
		50	0	21.85	21.77	21.70	23.00
		50	25	21.75	21.72	21.66	23.00
		50	50	21.74	21.65	21.66	23.00
		100	0	21.85	21.74	21.66	23.00
	16QAM	1	0	21.99	21.78	21.84	23.00
		1	50	21.90	21.82	21.71	23.00
		1	99	21.85	21.75	21.66	23.00
		50	0	20.88	20.67	20.67	22.00
		50	25	20.80	20.69	20.70	22.00
		50	50	20.85	20.75	20.71	22.00
		100	0	20.77	20.76	20.73	22.00
	64QAM	1	0	20.98	20.91	20.84	22.00
		1	50	20.89	20.89	20.81	22.00
		1	99	20.85	20.74	20.67	22.00
		50	0	19.80	19.71	19.79	21.00
		50	25	19.71	19.80	19.64	21.00
		50	50	19.81	19.77	19.65	21.00
		100	0	19.81	19.72	19.76	21.00

LTE Band 38 DSI 8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	18.75	18.81	18.55	20.00
		1	13	18.84	18.78	18.65	20.00
		1	24	18.80	18.70	18.60	20.00
		12	0	18.85	18.76	18.57	20.00
		12	6	18.81	18.72	18.64	20.00
		12	13	18.85	18.64	18.70	20.00
		25	0	18.98	18.72	18.75	20.00
	16QAM	1	0	19.00	18.85	18.90	20.00
		1	13	18.83	18.87	18.65	20.00
		1	24	18.70	18.73	18.61	20.00
		12	0	18.94	18.66	18.70	20.00
		12	6	18.86	18.71	18.71	20.00
		12	13	18.94	18.65	18.62	20.00
		25	0	18.62	18.78	18.61	20.00
	64QAM	1	0	19.04	18.88	18.83	20.00
		1	13	18.74	18.88	18.74	20.00
		1	24	18.78	18.69	18.75	20.00
		12	0	18.77	18.75	18.76	20.00
		12	6	18.71	18.83	18.68	20.00
		12	13	18.73	18.72	18.71	20.00
		25	0	18.89	18.73	18.80	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	18.76	18.73	18.59	20.00
		1	25	18.77	18.72	18.70	20.00
		1	49	18.90	18.69	18.53	20.00
		25	0	18.72	18.69	18.57	20.00
		25	13	18.80	18.76	18.71	20.00
		25	25	18.83	18.56	18.56	20.00
		50	0	18.82	18.65	18.76	20.00
	16QAM	1	0	18.97	18.71	18.87	20.00
		1	25	18.88	18.84	18.58	20.00
		1	49	18.84	18.70	18.61	20.00
		25	0	18.84	18.78	18.73	20.00
		25	13	18.72	18.69	18.69	20.00
		25	25	18.85	18.66	18.64	20.00
		50	0	18.76	18.75	18.64	20.00
	64QAM	1	0	18.99	18.84	18.84	20.00
		1	25	18.80	18.97	18.78	20.00
		1	49	18.74	18.79	18.75	20.00
		25	0	18.72	18.66	18.82	20.00
		25	13	18.77	18.87	18.56	20.00
		25	25	18.76	18.78	18.71	20.00
		50	0	18.90	18.58	18.76	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				37825	38000	38175	
<b>15MHz</b>	QPSK	1	0	18.68	18.74	18.65	20.00
		1	38	18.88	18.78	18.71	20.00
		1	74	18.86	18.73	18.53	20.00
		36	0	18.72	18.69	18.59	20.00
		36	18	18.85	18.68	18.74	20.00
		36	39	18.89	18.56	18.60	20.00
		75	0	18.85	18.64	18.73	20.00
	16QAM	1	0	18.89	18.85	18.88	20.00
		1	38	18.88	18.94	18.58	20.00
		1	74	18.79	18.79	18.67	20.00
		36	0	18.90	18.74	18.70	20.00
		36	18	18.73	18.83	18.79	20.00
		36	39	18.81	18.74	18.69	20.00
		75	0	18.74	18.64	18.62	20.00
	64QAM	1	0	19.07	18.91	18.85	20.00
		1	38	18.81	18.87	18.72	20.00
		1	74	18.85	18.73	18.66	20.00
		36	0	18.78	18.69	18.77	20.00
		36	18	18.78	18.89	18.59	20.00
		36	39	18.72	18.85	18.63	20.00
		75	0	18.83	18.58	18.74	20.00
<b>Bandwidth</b>	<b>Modulation</b>	<b>RB size</b>	<b>RB offset</b>	<b>Channel</b>	<b>Channel</b>	<b>Channel</b>	<b>Tune up</b>
				37850	38000	38150	
<b>20MHz</b>	QPSK	1	0	18.76	18.74	18.62	20.00
		1	50	18.80	18.70	18.68	20.00
		1	99	18.86	18.71	18.61	20.00
		50	0	18.80	18.69	18.63	20.00
		50	25	18.80	18.76	18.66	20.00
		50	50	18.82	18.58	18.64	20.00
		100	0	18.90	18.68	18.73	20.00
	16QAM	1	0	18.96	18.79	18.88	20.00
		1	50	18.90	18.90	18.63	20.00
		1	99	18.78	18.78	18.64	20.00
		50	0	18.91	18.72	18.72	20.00
		50	25	18.79	18.76	18.71	20.00
		50	50	18.88	18.70	18.67	20.00
		100	0	18.70	18.70	18.66	20.00
	64QAM	1	0	19.02	18.84	18.84	20.00
		1	50	18.82	18.92	18.76	20.00
		1	99	18.80	18.72	18.67	20.00
		50	0	18.80	18.73	18.78	20.00
		50	25	18.74	18.86	18.62	20.00
		50	50	18.77	18.77	18.67	20.00
		100	0	18.86	18.66	18.81	20.00

LTE Band 41 DSI 5/7				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	22.90	22.91	22.79	22.66	22.36	24.00
		1	13	22.78	22.89	22.83	22.66	22.39	24.00
		1	24	23.03	22.79	22.77	22.64	22.46	24.00
		12	0	21.85	21.86	21.79	21.65	21.38	23.00
		12	6	21.90	21.77	21.80	21.60	21.27	23.00
		12	13	21.84	21.73	21.72	21.52	21.41	23.00
		25	0	21.76	21.80	21.79	21.61	21.32	23.00
	16QAM	1	0	22.02	22.01	21.85	21.78	21.34	23.00
		1	13	21.94	21.77	21.77	21.66	21.36	23.00
		1	24	21.87	21.77	21.85	21.62	21.62	23.00
		12	0	20.71	20.79	20.78	20.53	20.35	22.00
		12	6	20.71	20.79	20.74	20.61	20.37	22.00
		12	13	20.73	20.79	20.65	20.54	20.24	22.00
		25	0	20.73	20.81	20.71	20.58	20.54	22.00
	64QAM	1	0	21.01	20.99	20.90	20.76	20.52	22.00
		1	13	20.92	20.97	20.82	20.72	20.44	22.00
		1	24	20.94	20.97	20.80	20.68	20.51	22.00
		12	0	19.79	19.93	19.77	19.68	19.30	21.00
		12	6	19.79	19.78	19.72	19.64	19.48	21.00
		12	13	19.84	19.79	19.81	19.58	19.19	21.00
		25	0	19.80	19.73	19.75	19.57	19.44	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	22.85	22.98	22.86	22.72	22.36	24.00
		1	25	22.82	22.81	22.83	22.64	22.32	24.00
		1	49	23.02	22.83	22.68	22.54	22.43	24.00
		25	0	21.89	21.82	21.84	21.54	21.36	23.00
		25	13	21.81	21.70	21.66	21.64	21.39	23.00
		25	25	21.81	21.79	21.71	21.59	21.39	23.00
		50	0	21.82	21.74	21.75	21.67	21.28	23.00
	16QAM	1	0	21.99	21.95	21.98	21.85	21.40	23.00
		1	25	21.88	21.79	21.82	21.63	21.30	23.00
		1	49	21.90	21.89	21.82	21.53	21.60	23.00
		25	0	20.71	20.84	20.66	20.64	20.25	22.00
		25	13	20.82	20.78	20.76	20.65	20.27	22.00
		25	25	20.79	20.71	20.63	20.47	20.31	22.00
		50	0	20.76	20.71	20.78	20.55	20.43	22.00
	64QAM	1	0	21.01	20.98	20.84	20.72	20.49	22.00
		1	25	20.99	20.92	20.92	20.73	20.42	22.00
		1	49	20.92	20.97	20.83	20.63	20.52	22.00
		25	0	19.76	19.83	19.86	19.75	19.33	21.00
		25	13	19.77	19.79	19.67	19.58	19.36	21.00
		25	25	19.84	19.83	19.70	19.48	19.21	21.00
		50	0	19.87	19.79	19.71	19.63	19.52	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	

				39725	40173	40620	41068	41515	
<b>15MHz</b>	QPSK	1	0	22.91	22.84	22.81	22.69	22.35	24.00
		1	38	22.87	22.82	22.80	22.53	22.33	24.00
		1	74	22.98	22.89	22.75	22.52	22.30	24.00
		36	0	21.88	21.75	21.72	21.59	21.29	23.00
		36	18	21.91	21.70	21.79	21.67	21.38	23.00
		36	39	21.84	21.70	21.72	21.52	21.34	23.00
		75	0	21.84	21.88	21.73	21.56	21.34	23.00
	16QAM	1	0	21.93	21.93	21.82	21.74	21.36	23.00
		1	38	21.86	21.92	21.80	21.64	21.34	23.00
		1	74	21.80	21.78	21.83	21.65	21.52	23.00
		36	0	20.77	20.77	20.78	20.59	20.37	22.00
		36	18	20.84	20.78	20.77	20.57	20.36	22.00
		36	39	20.77	20.77	20.64	20.59	20.23	22.00
		75	0	20.84	20.78	20.64	20.58	20.40	22.00
	64QAM	1	0	20.92	20.96	20.84	20.79	20.50	22.00
		1	38	20.96	21.00	20.92	20.65	20.29	22.00
		1	74	20.94	20.94	20.87	20.77	20.42	22.00
		36	0	19.91	19.91	19.80	19.75	19.35	21.00
		36	18	19.88	19.80	19.77	19.56	19.38	21.00
		36	39	19.71	19.73	19.69	19.51	19.20	21.00
		75	0	19.86	19.73	19.70	19.49	19.39	21.00
<b>Bandwidth</b>	<b>Modulation</b>	<b>RB size</b>	<b>RB offset</b>	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	<b>Tune up</b>
<b>20MHz</b>	QPSK	1	0	22.90	22.91	22.86	22.66	22.40	24.00
		1	50	22.85	22.81	22.76	22.59	22.32	24.00
		1	99	22.95	22.85	22.75	22.60	22.38	24.00
		50	0	21.86	21.82	21.78	21.61	21.33	23.00
		50	25	21.85	21.77	21.72	21.62	21.34	23.00
		50	50	21.83	21.73	21.69	21.58	21.38	23.00
		100	0	21.82	21.80	21.73	21.61	21.36	23.00
	16QAM	1	0	21.94	21.93	21.90	21.78	21.42	23.00
		1	50	21.86	21.85	21.81	21.68	21.35	23.00
		1	99	21.84	21.84	21.79	21.60	21.54	23.00
		50	0	20.79	20.79	20.74	20.58	20.33	22.00
		50	25	20.79	20.74	20.70	20.59	20.34	22.00
		50	50	20.73	20.74	20.68	20.55	20.31	22.00
		100	0	20.77	20.77	20.71	20.56	20.46	22.00
	64QAM	1	0	20.97	20.93	20.88	20.75	20.51	22.00
		1	50	20.92	20.93	20.85	20.70	20.37	22.00
		1	99	20.89	20.91	20.83	20.71	20.46	22.00
		50	0	19.83	19.85	19.79	19.68	19.35	21.00
		50	25	19.82	19.82	19.75	19.63	19.40	21.00
		50	50	19.78	19.80	19.73	19.54	19.23	21.00
		100	0	19.81	19.79	19.74	19.56	19.46	21.00



				39725	40173	40620	41068	41515	
<b>15MHz</b>	QPSK	1	0	20.83	20.97	20.86	20.61	20.52	22.00
		1	38	20.94	20.87	20.69	20.63	20.31	22.00
		1	74	20.96	20.74	20.73	20.57	20.41	22.00
		36	0	20.91	20.73	20.77	20.58	20.23	22.00
		36	18	20.88	20.64	20.69	20.69	20.23	22.00
		36	39	20.77	20.77	20.70	20.61	20.33	22.00
		75	0	20.83	20.86	20.86	20.62	20.33	22.00
	16QAM	1	0	20.92	21.04	20.80	20.83	20.44	22.00
		1	38	20.80	20.85	20.81	20.59	20.43	22.00
		1	74	20.82	20.95	20.82	20.59	20.52	22.00
		36	0	20.90	20.81	20.83	20.58	20.38	22.00
		36	18	20.83	20.64	20.72	20.67	20.40	22.00
		36	39	20.70	20.85	20.77	20.62	20.33	22.00
		75	0	20.85	20.71	20.61	20.54	20.51	22.00
	64QAM	1	0	20.87	20.90	20.87	20.77	20.56	22.00
		1	38	20.93	20.88	20.93	20.67	20.27	22.00
		1	74	20.84	20.83	20.78	20.75	20.37	22.00
		36	0	19.95	19.95	19.75	19.71	19.22	21.00
		36	18	19.82	19.77	19.72	19.61	19.33	21.00
		36	39	19.79	19.75	19.69	19.55	19.37	21.00
		75	0	19.78	19.88	19.74	19.57	19.55	21.00
<b>Bandwidth</b>	<b>Modulation</b>	<b>RB size</b>	<b>RB offset</b>	Channel 39750	Channel 40185	Channel 40620	Channel 41055	Channel 41490	<b>Tune up</b>
<b>20MHz</b>	QPSK	1	0	20.89	20.89	20.93	20.65	20.47	22.00
		1	50	20.89	20.82	20.70	20.58	20.26	22.00
		1	99	20.88	20.78	20.75	20.56	20.44	22.00
		50	0	20.92	20.81	20.72	20.60	20.31	22.00
		50	25	20.88	20.72	20.67	20.62	20.28	22.00
		50	50	20.78	20.72	20.72	20.60	20.39	22.00
		100	0	20.84	20.82	20.78	20.62	20.32	22.00
	16QAM	1	0	20.90	20.96	20.88	20.78	20.41	22.00
		1	50	20.81	20.80	20.77	20.63	20.39	22.00
		1	99	20.82	20.87	20.74	20.63	20.55	22.00
		50	0	20.83	20.75	20.76	20.59	20.37	22.00
		50	25	20.78	20.71	20.69	20.62	20.36	22.00
		50	50	20.73	20.78	20.73	20.58	20.37	22.00
		100	0	20.78	20.72	20.66	20.53	20.50	22.00
	64QAM	1	0	20.94	20.94	20.87	20.76	20.53	22.00
		1	50	20.95	20.89	20.87	20.66	20.32	22.00
		1	99	20.86	20.87	20.78	20.69	20.41	22.00
		50	0	19.87	19.87	19.76	19.72	19.29	21.00
		50	25	19.81	19.80	19.78	19.62	19.35	21.00
		50	50	19.75	19.79	19.73	19.53	19.29	21.00
		100	0	19.83	19.80	19.68	19.59	19.47	21.00





				39725	40173	40620	41068	41515		
<b>15MHz</b>	QPSK	1	0	17.95	18.01	17.91	17.78	17.42	19.00	
		1	38	17.97	17.82	17.65	17.51	17.24	19.00	
		1	74	17.95	17.82	17.88	17.61	17.42	19.00	
		36	0	17.83	17.71	17.80	17.66	17.41	19.00	
		36	18	17.78	17.76	17.65	17.70	17.23	19.00	
		36	39	17.92	17.76	17.82	17.49	17.52	19.00	
		75	0	17.78	17.71	17.90	17.67	17.22	19.00	
	16QAM	1	0	17.91	18.04	17.87	17.74	17.46	19.00	
		1	38	17.79	17.77	17.78	17.62	17.47	19.00	
		1	74	17.90	17.89	17.90	17.70	17.57	19.00	
		36	0	17.76	17.75	17.72	17.52	17.32	19.00	
		36	18	17.67	17.84	17.57	17.76	17.25	19.00	
		36	39	17.69	17.78	17.77	17.71	17.31	19.00	
		75	0	17.67	17.59	17.68	17.46	17.55	19.00	
	64QAM	1	0	17.94	17.91	17.86	17.76	17.64	19.00	
		1	38	17.97	17.88	17.88	17.61	17.40	19.00	
		1	74	17.88	17.84	17.77	17.70	17.49	19.00	
		36	0	17.92	17.79	17.75	17.75	17.19	19.00	
		36	18	17.74	17.86	17.86	17.65	17.36	19.00	
		36	39	17.73	17.82	17.64	17.57	17.40	19.00	
		75	0	17.84	17.83	17.68	17.59	17.60	19.00	
	<b>Bandwidth</b>	<b>Modulation</b>	<b>RB size</b>	<b>RB offset</b>	<b>Channel</b>	<b>Channel</b>	<b>Channel</b>	<b>Channel</b>	<b>Channel</b>	<b>Tune up</b>
					39750	40185	40620	41055	41490	
	<b>20MHz</b>	QPSK	1	0	17.88	17.95	17.90	17.73	17.48	19.00
1			50	17.95	17.79	17.64	17.54	17.28	19.00	
1			99	17.88	17.74	17.80	17.55	17.37	19.00	
50			0	17.84	17.79	17.73	17.59	17.36	19.00	
50			25	17.82	17.71	17.62	17.65	17.20	19.00	
50			50	17.86	17.71	17.80	17.56	17.45	19.00	
100			0	17.85	17.75	17.85	17.65	17.28	19.00	
16QAM		1	0	17.93	18.04	17.86	17.73	17.43	19.00	
		1	50	17.77	17.78	17.83	17.59	17.46	19.00	
		1	99	17.88	17.92	17.82	17.63	17.58	19.00	
		50	0	17.80	17.83	17.71	17.51	17.35	19.00	
		50	25	17.75	17.77	17.64	17.68	17.33	19.00	
		50	50	17.73	17.83	17.75	17.66	17.32	19.00	
		100	0	17.73	17.67	17.67	17.51	17.48	19.00	
64QAM		1	0	17.97	17.91	17.86	17.68	17.60	19.00	
		1	50	17.96	17.86	17.93	17.67	17.36	19.00	
		1	99	17.82	17.83	17.84	17.75	17.46	19.00	
		50	0	17.87	17.81	17.74	17.76	17.25	19.00	
		50	25	17.82	17.80	17.84	17.59	17.37	19.00	
		50	50	17.69	17.77	17.70	17.49	17.32	19.00	
		100	0	17.89	17.80	17.61	17.59	17.53	19.00	

### 3 Conducted Power of Main Antenna (Ant11)

#### 3.1 Conducted Power of LTE

LTE Band 2 DSI 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.27	19.34	19.51	20.40
		1	2	19.22	19.53	19.44	20.40
		1	5	19.50	19.71	19.25	20.40
		3	0	19.49	19.57	19.62	20.40
		3	2	19.43	19.78	19.68	20.40
		3	3	19.46	19.56	19.39	20.40
		6	0	19.50	19.71	19.56	20.40
	16QAM	1	0	19.59	19.70	19.79	20.40
		1	2	19.46	19.97	19.74	20.40
		1	5	19.81	19.79	19.45	20.40
		3	0	19.39	19.53	19.61	20.40
		3	2	19.36	19.67	19.63	20.40
		3	3	19.32	19.57	19.21	20.40
		6	0	19.36	19.63	19.50	20.40
	64QAM	1	0	19.36	19.60	19.70	20.40
		1	2	19.63	19.73	19.51	20.40
		1	5	19.69	19.66	19.50	20.40
		3	0	19.39	19.60	19.58	20.40
		3	2	19.50	19.40	19.42	20.40
		3	3	19.44	19.71	19.33	20.40
		6	0	19.28	19.68	19.63	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.54	19.34	19.63	20.40
		1	7	19.34	19.76	19.57	20.40
		1	14	19.56	19.69	19.44	20.40
		8	0	19.26	19.46	19.71	20.40
		8	4	19.49	19.77	19.47	20.40
		8	7	19.31	19.66	19.43	20.40
		15	0	19.33	19.67	19.37	20.40
	16QAM	1	0	19.49	19.58	19.82	20.40
		1	7	19.50	19.80	19.68	20.40
		1	14	19.75	20.01	19.47	20.40
		8	0	19.16	19.36	19.51	20.40
		8	4	19.46	19.63	19.68	20.40
		8	7	19.36	19.42	19.47	20.40
		15	0	19.30	19.50	19.39	20.40
	64QAM	1	0	19.18	19.65	19.55	20.40
		1	7	19.57	19.56	19.47	20.40
		1	14	19.56	19.68	19.56	20.40

		8	0	19.21	19.35	19.72	20.40
		8	4	19.51	19.45	19.53	20.40
		8	7	19.51	19.73	19.36	20.40
		15	0	19.31	19.39	19.60	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.43	19.43	19.42	20.40
		1	13	19.26	19.67	19.41	20.40
		1	24	19.61	19.50	19.18	20.40
		12	0	19.27	19.55	19.71	20.40
		12	6	19.41	19.58	19.39	20.40
		12	13	19.46	19.58	19.28	20.40
		25	0	19.41	19.51	19.44	20.40
	16QAM	1	0	19.37	19.72	19.92	20.40
		1	13	19.43	20.04	19.69	20.40
		1	24	19.84	20.00	19.72	20.40
		12	0	19.15	19.43	19.56	20.40
		12	6	19.40	19.76	19.54	20.40
		12	13	19.45	19.42	19.34	20.40
		25	0	19.55	19.66	19.32	20.40
	64QAM	1	0	19.39	19.66	19.65	20.40
		1	13	19.63	19.77	19.62	20.40
		1	24	19.50	19.63	19.59	20.40
		12	0	19.27	19.42	19.64	20.40
		12	6	19.27	19.43	19.60	20.40
		12	13	19.41	19.57	19.32	20.40
		25	0	19.36	19.61	19.45	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.50	19.40	19.49	20.40
		1	25	19.45	19.79	19.65	20.40
		1	49	19.61	19.70	19.17	20.40
		25	0	19.37	19.54	19.46	20.40
		25	13	19.59	19.64	19.52	20.40
		25	25	19.39	19.74	19.40	20.40
		50	0	19.38	19.74	19.46	20.40
	16QAM	1	0	19.57	19.66	19.78	20.40
		1	25	19.60	20.06	19.85	20.40
		1	49	19.76	19.96	19.58	20.40
		25	0	19.16	19.54	19.63	20.40
		25	13	19.50	19.62	19.49	20.40
		25	25	19.52	19.43	19.37	20.40
		50	0	19.49	19.66	19.41	20.40
	64QAM	1	0	19.47	19.71	19.55	20.40
		1	25	19.48	19.53	19.66	20.40
		1	49	19.62	19.81	19.58	20.40
		25	0	19.27	19.48	19.43	20.40

		25	13	19.23	19.54	19.52	20.40	
		25	25	19.43	19.68	19.29	20.40	
		50	0	19.39	19.58	19.43	20.40	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18675	18900	19125		
15MHz	QPSK	1	0	19.27	19.36	19.68	20.40	
		1	38	19.30	19.69	19.40	20.40	
		1	74	19.40	19.72	19.31	20.40	
		36	0	19.36	19.63	19.45	20.40	
		36	18	19.48	19.54	19.45	20.40	
		36	39	19.52	19.57	19.28	20.40	
	16QAM	75	0	19.33	19.62	19.46	20.40	
		1	0	19.58	19.61	19.76	20.40	
		1	38	19.54	20.07	19.72	20.40	
		1	74	19.75	20.04	19.70	20.40	
		36	0	19.21	19.43	19.66	20.40	
		36	18	19.41	19.66	19.54	20.40	
	64QAM	36	39	19.47	19.67	19.38	20.40	
		75	0	19.27	19.53	19.41	20.40	
		1	0	19.22	19.70	19.59	20.40	
		1	38	19.62	19.57	19.53	20.40	
		1	74	19.65	19.78	19.38	20.40	
		36	0	19.26	19.49	19.66	20.40	
			36	18	19.23	19.42	19.67	20.40
			36	39	19.57	19.62	19.33	20.40
			75	0	19.25	19.48	19.51	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18700	18900	19100		
20MHz	QPSK	1	0	19.40	19.45	19.57	20.40	
		1	50	19.37	19.66	19.53	20.40	
		1	99	19.51	19.58	19.29	20.40	
		50	0	19.34	19.52	19.57	20.40	
		50	25	19.45	19.63	19.53	20.40	
		50	50	19.42	19.67	19.42	20.40	
		100	0	19.44	19.63	19.50	20.40	
	16QAM	1	0	19.47	19.58	19.85	20.40	
		1	50	19.51	19.94	19.83	20.40	
		1	99	19.70	19.91	19.58	20.40	
		50	0	19.30	19.48	19.56	20.40	
		50	25	19.37	19.62	19.53	20.40	
		50	50	19.45	19.57	19.36	20.40	
	64QAM	100	0	19.41	19.52	19.45	20.40	
		1	0	19.33	19.57	19.67	20.40	
		1	50	19.54	19.63	19.58	20.40	
		1	99	19.54	19.76	19.49	20.40	
		50	0	19.33	19.45	19.58	20.40	
			50	25	19.37	19.55	19.53	20.40

		50	50	19.45	19.61	19.40	20.40
		100	0	19.34	19.54	19.49	20.40

LTE Band 2 DSI 7/8				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18607	18900	19193		
1.4MHz	QPSK	1	0	18.69	18.66	18.84	19.40	
		1	2	18.83	18.85	18.66	19.40	
		1	5	18.66	18.78	18.43	19.40	
		3	0	18.95	18.67	18.65	19.40	
		3	2	18.86	18.80	18.59	19.40	
		3	3	18.90	18.93	18.65	19.40	
	16QAM	6	0	18.83	18.85	18.79	19.40	
		1	0	18.83	18.70	18.90	19.40	
		1	2	18.95	19.15	18.94	19.40	
		1	5	18.66	19.17	18.86	19.40	
		3	0	18.80	18.67	18.76	19.40	
		3	2	18.95	18.65	18.76	19.40	
	64QAM	3	3	18.72	18.67	18.47	19.40	
		6	0	18.68	18.73	18.55	19.40	
		1	0	18.69	18.76	18.89	19.40	
		1	2	18.82	19.07	18.47	19.40	
		1	5	18.83	18.57	18.51	19.40	
		3	0	18.69	18.57	18.77	19.40	
	3MHz	QPSK	3	2	18.75	18.74	18.73	19.40
			3	3	18.88	18.61	18.53	19.40
			6	0	18.83	18.65	18.53	19.40
1			0	18.95	18.86	18.70	19.40	
1			7	18.82	18.76	18.62	19.40	
1			14	18.74	18.93	18.46	19.40	
8			0	18.86	18.64	18.67	19.40	
16QAM		8	4	18.89	18.63	18.74	19.40	
		8	7	18.91	18.84	18.60	19.40	
		15	0	18.89	18.73	18.75	19.40	
		1	0	18.80	18.71	19.01	19.40	
		1	7	18.75	19.27	18.81	19.40	
		1	14	18.82	19.12	18.66	19.40	
		8	0	18.82	18.65	18.68	19.40	
64QAM		8	4	18.70	18.65	18.73	19.40	
	8	7	18.70	18.83	18.55	19.40		
	15	0	18.91	18.79	18.52	19.40		
				Channel	Channel	Channel	Tune up	
				18615	18900	19185		
				18.95	18.86	18.70	19.40	
				18.93	19.04	18.61	19.40	

		1	14	18.90	18.83	18.73	19.40
		8	0	18.83	18.56	18.72	19.40
		8	4	18.70	18.88	18.63	19.40
		8	7	18.93	18.63	18.53	19.40
		15	0	18.86	18.77	18.45	19.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.79	18.69	18.73	19.40
		1	13	18.85	18.67	18.70	19.40
		1	24	18.83	18.80	18.40	19.40
		12	0	18.66	18.66	18.76	19.40
		12	6	18.88	18.74	18.76	19.40
		12	13	18.86	18.95	18.63	19.40
		25	0	18.77	18.76	18.54	19.40
	16QAM	1	0	18.76	18.76	19.01	19.40
		1	13	18.85	19.20	18.95	19.40
		1	24	18.80	19.06	18.74	19.40
		12	0	18.69	18.65	18.76	19.40
		12	6	18.70	18.86	18.67	19.40
		12	13	18.83	18.77	18.63	19.40
		25	0	18.76	18.67	18.54	19.40
	64QAM	1	0	18.84	18.59	18.95	19.40
		1	13	18.89	19.01	18.45	19.40
		1	24	18.90	18.69	18.68	19.40
		12	0	18.75	18.44	18.85	19.40
		12	6	18.70	18.81	18.57	19.40
		12	13	18.72	18.64	18.33	19.40
		25	0	18.76	18.71	18.61	19.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.87	18.82	18.77	19.40
		1	25	18.78	18.80	18.60	19.40
		1	49	18.94	18.81	18.62	19.40
		25	0	18.82	18.79	18.82	19.40
		25	13	18.73	18.66	18.79	19.40
		25	25	18.72	18.84	18.63	19.40
		50	0	18.82	18.77	18.74	19.40
	16QAM	1	0	18.70	18.96	18.92	19.40
		1	25	18.85	19.05	18.67	19.40
		1	49	18.71	19.02	18.76	19.40
		25	0	18.92	18.73	18.74	19.40
		25	13	18.82	18.70	18.55	19.40
		25	25	18.81	18.90	18.59	19.40
		50	0	18.81	18.72	18.64	19.40
	64QAM	1	0	18.88	18.69	18.77	19.40
		1	25	18.71	19.07	18.52	19.40
		1	49	18.94	18.57	18.53	19.40

		25	0	18.66	18.45	18.81	19.40
		25	13	18.79	18.83	18.59	19.40
		25	25	18.69	18.64	18.63	19.40
		50	0	18.66	18.65	18.54	19.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.92	18.69	18.56	19.40
		1	38	18.69	18.95	18.71	19.40
		1	74	18.95	18.88	18.49	19.40
		36	0	18.68	18.73	18.83	19.40
		36	18	18.94	18.90	18.77	19.40
		36	39	18.66	18.76	18.67	19.40
		75	0	18.82	18.67	18.57	19.40
	16QAM	1	0	18.71	18.96	18.82	19.40
		1	38	18.81	19.09	18.70	19.40
		1	74	18.82	18.92	18.85	19.40
		36	0	18.90	18.82	18.73	19.40
		36	18	18.94	18.90	18.69	19.40
		36	39	18.90	18.69	18.50	19.40
		75	0	18.74	18.69	18.71	19.40
	64QAM	1	0	18.84	18.72	18.81	19.40
		1	38	18.92	19.00	18.46	19.40
		1	74	18.75	18.60	18.62	19.40
		36	0	18.85	18.54	18.78	19.40
		36	18	18.84	18.85	18.63	19.40
		36	39	18.84	18.60	18.55	19.40
		75	0	18.69	18.53	18.55	19.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.73	18.82	18.69	19.40
		1	50	18.75	18.83	18.59	19.40
		1	99	18.74	18.81	18.49	19.40
		50	0	18.77	18.73	18.72	19.40
		50	25	18.79	18.78	18.73	19.40
		50	50	18.78	18.80	18.54	19.40
		100	0	18.80	18.79	18.66	19.40
	16QAM	1	0	18.77	18.82	18.93	19.40
		1	50	18.72	19.14	18.82	19.40
		1	99	18.77	19.07	18.78	19.40
		50	0	18.79	18.69	18.72	19.40
		50	25	18.77	18.77	18.69	19.40
		50	50	18.76	18.75	18.53	19.40
		100	0	18.80	18.72	18.63	19.40
	64QAM	1	0	18.73	18.63	18.86	19.40
		1	50	18.80	19.02	18.51	19.40
		1	99	18.74	18.69	18.61	19.40
		50	0	18.73	18.50	18.73	19.40

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		50	25	18.77	18.78	18.69	19.40
		50	50	18.79	18.59	18.48	19.40
		100	0	18.78	18.68	18.60	19.40

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LTE Band 2 DSI 6				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18607	18900	19193		
1.4MHz	QPSK	1	0	21.60	21.80	21.80	22.90	
		1	2	21.48	21.96	21.82	22.90	
		1	5	21.71	22.00	21.49	22.90	
		3	0	21.50	21.87	21.83	22.90	
		3	2	21.54	21.87	21.87	22.90	
		3	3	21.64	22.00	21.76	22.90	
	16QAM	1	0	21.75	21.79	22.21	22.90	
		1	2	21.47	22.17	22.19	22.90	
		1	5	21.23	22.08	21.79	22.90	
		3	0	21.00	21.31	21.42	22.90	
		3	2	20.98	21.44	21.37	22.90	
		3	3	21.09	21.48	21.24	22.90	
	64QAM	6	0	21.04	21.36	21.32	21.90	
		1	0	20.83	21.36	21.38	21.90	
		1	2	21.18	21.44	21.44	21.90	
		1	5	21.36	21.65	21.17	21.90	
		3	0	20.04	20.33	20.40	21.90	
		3	2	20.07	20.33	20.21	21.90	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					18615	18900	19185	
	3MHz	QPSK	1	0	21.65	21.81	21.80	22.90
1			7	21.44	21.92	21.88	22.90	
1			14	21.66	22.01	21.48	22.90	
8			0	21.58	21.82	21.90	22.90	
8			4	21.52	21.90	21.93	22.90	
8			7	21.66	22.06	21.75	22.90	
15			0	21.55	21.88	21.85	22.90	
16QAM		1	0	21.71	21.74	22.25	22.90	
		1	7	21.51	22.11	22.19	22.90	
		1	14	21.19	22.04	21.79	22.90	
		8	0	21.04	21.26	21.37	21.90	
		8	4	20.98	21.43	21.41	21.90	
		8	7	21.09	21.42	21.19	21.90	
		15	0	21.00	21.37	21.28	21.90	
64QAM		1	0	20.87	21.33	21.36	21.90	
		1	7	21.21	21.42	21.42	21.90	
		1	14	21.31	21.62	21.11	21.90	
		8	0	19.98	20.30	20.34	20.90	
		8	4	20.08	20.37	20.15	20.90	
		8	7	20.20	20.48	20.20	20.90	

Bandwidth	Modulation	15	0	20.13	20.38	20.33	20.90
		RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	21.60	21.80	21.77	22.90
		1	13	21.45	21.98	21.86	22.90
		1	24	21.73	22.02	21.48	22.90
		12	0	21.52	21.89	21.86	22.90
		12	6	21.53	21.90	21.92	22.90
		12	13	21.63	22.04	21.74	22.90
		25	0	21.54	21.89	21.86	22.90
	16QAM	1	0	21.77	21.82	22.23	22.90
		1	13	21.55	22.14	22.26	22.90
		1	24	21.19	22.07	21.80	22.90
		12	0	21.00	21.26	21.40	21.90
		12	6	20.99	21.43	21.37	21.90
		12	13	21.14	21.43	21.25	21.90
		25	0	21.05	21.40	21.34	21.90
	64QAM	1	0	20.82	21.30	21.37	21.90
		1	13	21.19	21.44	21.38	21.90
		1	24	21.34	21.60	21.12	21.90
		12	0	20.00	20.34	20.33	20.90
		12	6	20.06	20.38	20.23	20.90
		12	13	20.15	20.41	20.28	20.90
		25	0	20.12	20.35	20.30	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	21.58	21.75	21.85	22.90
		1	25	21.44	21.96	21.86	22.90
		1	49	21.67	22.04	21.48	22.90
		25	0	21.50	21.90	21.90	22.90
		25	13	21.60	21.87	21.89	22.90
		25	25	21.69	21.98	21.68	22.90
		50	0	21.59	21.88	21.88	22.90
	16QAM	1	0	21.72	21.78	22.27	22.90
		1	25	21.48	22.09	22.24	22.90
		1	49	21.23	22.08	21.82	22.90
		25	0	20.98	21.27	21.40	21.90
		25	13	20.99	21.43	21.39	21.90
		25	25	21.09	21.43	21.20	21.90
		50	0	21.04	21.35	21.35	21.90
	64QAM	1	0	20.85	21.32	21.36	21.90
		1	25	21.19	21.42	21.46	21.90
		1	49	21.33	21.60	21.12	21.90
		25	0	20.05	20.28	20.34	20.90
		25	13	20.11	20.34	20.21	20.90
		25	25	20.13	20.49	20.23	20.90
		50	0	20.07	20.38	20.33	20.90

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.60	21.79	21.78	22.90
		1	38	21.46	21.96	21.85	22.90
		1	74	21.67	21.98	21.51	22.90
		36	0	21.50	21.89	21.89	22.90
		36	18	21.60	21.89	21.87	22.90
		36	39	21.69	21.99	21.73	22.90
		75	0	21.55	21.86	21.88	22.90
	16QAM	1	0	21.74	21.75	22.24	22.90
		1	38	21.55	22.12	22.23	22.90
		1	74	21.21	22.07	21.80	22.90
		36	0	21.01	21.26	21.44	21.90
		36	18	20.98	21.37	21.39	21.90
		36	39	21.16	21.42	21.25	21.90
		75	0	21.01	21.39	21.34	21.90
	64QAM	1	0	20.87	21.32	21.32	21.90
		1	38	21.15	21.43	21.41	21.90
		1	74	21.35	21.60	21.12	21.90
		36	0	19.97	20.28	20.34	20.90
		36	18	20.10	20.41	20.20	20.90
		36	39	20.16	20.47	20.25	20.90
		75	0	20.07	20.42	20.34	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.67	21.83	21.86	22.90
		1	50	21.53	22.01	21.91	22.90
		1	99	21.75	22.07	21.55	22.90
		50	0	21.59	21.91	21.92	22.90
		50	25	21.61	21.95	21.94	22.90
		50	50	21.71	22.07	21.77	22.90
		100	0	21.62	21.95	21.91	22.90
	16QAM	1	0	21.78	21.83	22.30	22.90
		1	50	21.56	22.18	22.27	22.90
		1	99	21.25	22.13	21.88	22.90
		50	0	21.07	21.35	21.46	21.90
		50	25	21.07	21.45	21.45	21.90
		50	50	21.17	21.51	21.26	21.90
		100	0	21.07	21.42	21.36	21.90
	64QAM	1	0	20.88	21.38	21.40	21.90
		1	50	21.24	21.45	21.47	21.90
		1	99	21.37	21.68	21.19	21.90
		50	0	20.06	20.35	20.41	20.90
		50	25	20.13	20.42	20.24	20.90
		50	50	20.22	20.50	20.29	20.90
		100	0	20.14	20.43	20.39	20.90

LTE Band 4 DSI 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.39	21.39	21.19	22.40
		1	2	21.65	21.41	21.54	22.40
		1	5	21.47	21.52	21.54	22.40
		3	0	21.45	21.41	21.47	22.40
		3	2	21.52	21.48	21.60	22.40
		3	3	21.53	21.54	21.53	22.40
		6	0	21.57	21.47	21.57	22.40
	16QAM	1	0	21.66	21.45	21.53	22.40
		1	2	21.80	21.57	21.80	22.40
		1	5	21.76	21.65	21.82	22.40
		3	0	21.53	21.44	21.53	22.40
		3	2	21.48	21.44	21.46	22.40
		3	3	21.38	21.44	21.60	22.40
		6	0	21.48	21.42	21.45	22.40
	64QAM	1	0	21.46	21.21	21.22	22.40
		1	2	21.68	20.96	21.58	22.40
		1	5	21.64	21.31	21.60	22.40
		3	0	21.62	21.31	21.63	22.40
		3	2	21.63	21.39	21.61	22.40
		3	3	21.67	21.31	21.61	22.40
		6	0	20.32	20.26	20.25	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.44	21.46	21.16	22.40
		1	7	21.70	21.42	21.53	22.40
		1	14	21.53	21.58	21.55	22.40
		8	0	21.52	21.42	21.52	22.40
		8	4	21.58	21.47	21.53	22.40
		8	7	21.54	21.51	21.60	22.40
		15	0	21.52	21.42	21.49	22.40
	16QAM	1	0	21.64	21.41	21.54	22.40
		1	7	21.80	21.57	21.82	22.40
		1	14	21.81	21.71	21.90	22.40
		8	0	21.48	21.39	21.56	22.40
		8	4	21.41	21.44	21.49	22.40
		8	7	21.35	21.46	21.59	22.40
		15	0	21.53	21.40	21.42	22.40
	64QAM	1	0	21.46	21.19	21.28	22.40
		1	7	21.64	20.98	21.52	22.40
		1	14	21.62	21.37	21.64	22.40
		8	0	20.34	20.28	20.32	21.40
		8	4	20.34	20.33	20.36	21.40
		8	7	20.44	20.43	20.34	21.40

Bandwidth	Modulation	15	0	20.38	20.29	20.24	21.40
		RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	21.37	21.47	21.19	22.40
		1	13	21.70	21.43	21.51	22.40
		1	24	21.51	21.55	21.55	22.40
		12	0	21.48	21.41	21.46	22.40
		12	6	21.53	21.43	21.54	22.40
		12	13	21.58	21.52	21.54	22.40
		25	0	21.58	21.43	21.52	22.40
	16QAM	1	0	21.68	21.46	21.51	22.40
		1	13	21.78	21.56	21.82	22.40
		1	24	21.74	21.64	21.89	22.40
		12	0	21.51	21.41	21.55	22.40
		12	6	21.42	21.42	21.51	22.40
		12	13	21.34	21.51	21.59	22.40
		25	0	21.47	21.46	21.43	22.40
	64QAM	1	0	21.45	21.20	21.28	22.40
		1	13	21.70	20.94	21.53	22.40
		1	24	21.64	21.32	21.60	22.40
		12	0	20.29	20.29	20.33	21.40
		12	6	20.39	20.32	20.37	21.40
		12	13	20.40	20.36	20.31	21.40
		25	0	20.38	20.32	20.27	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.42	21.40	21.19	22.40
		1	25	21.67	21.37	21.49	22.40
		1	49	21.46	21.56	21.58	22.40
		25	0	21.46	21.42	21.46	22.40
		25	13	21.58	21.42	21.58	22.40
		25	25	21.59	21.55	21.59	22.40
		50	0	21.55	21.44	21.57	22.40
	16QAM	1	0	21.62	21.42	21.54	22.40
		1	25	21.80	21.61	21.77	22.40
		1	49	21.82	21.71	21.82	22.40
		25	0	21.53	21.38	21.56	22.40
		25	13	21.49	21.47	21.50	22.40
		25	25	21.41	21.47	21.57	22.40
		50	0	21.48	21.45	21.39	22.40
	64QAM	1	0	21.48	21.19	21.23	22.40
		1	25	21.70	20.97	21.51	22.40
		1	49	21.63	21.32	21.60	22.40
		25	0	20.30	20.33	20.31	21.40
		25	13	20.36	20.30	20.30	21.40
		25	25	20.38	20.43	20.35	21.40
		50	0	20.37	20.29	20.24	21.40

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.40	21.47	21.19	22.40
		1	38	21.68	21.44	21.54	22.40
		1	74	21.49	21.53	21.58	22.40
		36	0	21.46	21.40	21.52	22.40
		36	18	21.52	21.46	21.52	22.40
		36	39	21.56	21.52	21.58	22.40
		75	0	21.58	21.46	21.51	22.40
	16QAM	1	0	21.65	21.41	21.53	22.40
		1	38	21.80	21.59	21.80	22.40
		1	74	21.74	21.69	21.82	22.40
		36	0	21.47	21.42	21.50	22.40
		36	18	21.42	21.48	21.44	22.40
		36	39	21.41	21.49	21.61	22.40
		75	0	21.48	21.47	21.43	22.40
	64QAM	1	0	21.45	21.16	21.29	22.40
		1	38	21.63	20.95	21.50	22.40
		1	74	21.65	21.35	21.60	22.40
		36	0	20.33	20.28	20.34	21.40
		36	18	20.41	20.32	20.36	21.40
		36	39	20.37	20.39	20.31	21.40
		75	0	20.38	20.33	20.25	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	21.45	21.48	21.23	22.40
		1	50	21.71	21.45	21.57	22.40
		1	99	21.55	21.60	21.60	22.40
		50	0	21.53	21.45	21.54	22.40
		50	25	21.61	21.49	21.61	22.40
		50	50	21.61	21.58	21.62	22.40
		100	0	21.61	21.50	21.58	22.40
	16QAM	1	0	21.71	21.50	21.57	22.40
		1	50	21.86	21.63	21.85	22.40
		1	99	21.83	21.73	21.91	22.40
		50	0	21.55	21.45	21.57	22.40
		50	25	21.50	21.50	21.53	22.40
		50	50	21.43	21.52	21.66	22.40
		100	0	21.54	21.48	21.46	22.40
	64QAM	1	0	21.50	21.24	21.30	22.40
		1	50	21.71	21.00	21.59	22.40
		1	99	21.68	21.40	21.67	22.40
		50	0	20.38	20.37	20.36	21.40
		50	25	20.42	20.35	20.39	21.40
		50	50	20.45	20.44	20.40	21.40
		100	0	20.41	20.35	20.33	21.40

LTE Band 4 DSI 7				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19957	20175	20393		
1.4MHz	QPSK	1	0	20.34	20.34	20.24	21.40	
		1	2	20.50	20.33	20.30	21.40	
		1	5	20.35	20.38	20.48	21.40	
		3	0	19.95	20.38	20.37	21.40	
		3	2	20.00	20.40	20.32	21.40	
		3	3	20.37	20.40	20.49	21.40	
	16QAM	1	0	20.41	20.47	20.51	21.40	
		1	2	20.45	20.71	20.69	21.40	
		1	5	20.67	20.38	20.69	21.40	
		3	0	20.37	20.37	20.31	21.40	
		3	2	20.34	20.29	20.49	21.40	
		3	3	20.48	20.31	20.36	21.40	
	64QAM	6	0	20.43	20.41	20.42	21.40	
		1	0	20.54	20.11	19.81	21.40	
		1	2	20.49	20.23	20.43	21.40	
		1	5	20.41	20.11	20.46	21.40	
		3	0	20.34	20.27	20.25	21.40	
		3	2	20.42	20.34	20.32	21.40	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					19965	20175	20385	
	3MHz	QPSK	1	0	20.34	20.35	20.17	21.40
1			7	20.43	20.33	20.25	21.40	
1			14	20.38	20.35	20.48	21.40	
8			0	19.99	20.36	20.36	21.40	
8			4	19.97	20.40	20.31	21.40	
8			7	20.37	20.41	20.47	21.40	
15			0	20.51	20.40	20.40	21.40	
16QAM		1	0	20.37	20.41	20.56	21.40	
		1	7	20.42	20.72	20.69	21.40	
		1	14	20.65	20.41	20.69	21.40	
		8	0	20.39	20.29	20.35	21.40	
		8	4	20.39	20.35	20.46	21.40	
		8	7	20.47	20.31	20.39	21.40	
		15	0	20.41	20.37	20.36	21.40	
64QAM		1	0	20.49	20.09	19.81	21.40	
		1	7	20.53	20.25	20.41	21.40	
		1	14	20.41	20.17	20.50	21.40	
		8	0	20.34	20.28	20.25	21.40	
		8	4	20.46	20.35	20.39	21.40	
		8	7	20.44	20.34	20.38	21.40	

Bandwidth	Modulation	15	0	20.40	20.43	20.39	21.40
		RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	20.34	20.32	20.18	21.40
		1	13	20.47	20.31	20.30	21.40
		1	24	20.39	20.38	20.41	21.40
		12	0	19.97	20.38	20.36	21.40
		12	6	20.04	20.38	20.27	21.40
		12	13	20.39	20.40	20.49	21.40
		25	0	20.52	20.40	20.44	21.40
	16QAM	1	0	20.35	20.48	20.55	21.40
		1	13	20.43	20.75	20.75	21.40
		1	24	20.65	20.35	20.70	21.40
		12	0	20.36	20.34	20.29	21.40
		12	6	20.35	20.32	20.43	21.40
		12	13	20.51	20.32	20.39	21.40
		25	0	20.42	20.37	20.40	21.40
	64QAM	1	0	20.54	20.13	19.87	21.40
		1	13	20.52	20.23	20.42	21.40
		1	24	20.47	20.09	20.47	21.40
		12	0	20.32	20.35	20.26	21.40
		12	6	20.41	20.37	20.38	21.40
		12	13	20.42	20.35	20.36	21.40
		25	0	20.36	20.39	20.41	21.40
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	20.32	20.28	20.20	21.40
		1	25	20.45	20.33	20.28	21.40
		1	49	20.39	20.35	20.48	21.40
		25	0	19.92	20.38	20.29	21.40
		25	13	19.97	20.41	20.26	21.40
		25	25	20.38	20.37	20.51	21.40
		50	0	20.54	20.36	20.39	21.40
	16QAM	1	0	20.38	20.45	20.58	21.40
		1	25	20.44	20.70	20.75	21.40
		1	49	20.67	20.42	20.65	21.40
		25	0	20.44	20.29	20.37	21.40
		25	13	20.37	20.30	20.49	21.40
		25	25	20.47	20.39	20.42	21.40
		50	0	20.48	20.34	20.39	21.40
	64QAM	1	0	20.50	20.14	19.86	21.40
		1	25	20.51	20.20	20.41	21.40
		1	49	20.45	20.16	20.45	21.40
		25	0	20.36	20.34	20.22	21.40
		25	13	20.44	20.37	20.33	21.40
		25	25	20.46	20.39	20.35	21.40
		50	0	20.43	20.36	20.35	21.40



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	20.30	20.33	20.16	21.40
		1	38	20.44	20.33	20.31	21.40
		1	74	20.42	20.39	20.41	21.40
		36	0	19.94	20.33	20.36	21.40
		36	18	20.00	20.38	20.27	21.40
		36	39	20.35	20.38	20.50	21.40
		75	0	20.51	20.41	20.45	21.40
	16QAM	1	0	20.36	20.42	20.58	21.40
		1	38	20.40	20.74	20.75	21.40
		1	74	20.70	20.36	20.66	21.40
		36	0	20.42	20.36	20.29	21.40
		36	18	20.38	20.31	20.48	21.40
		36	39	20.44	20.38	20.37	21.40
		75	0	20.42	20.36	20.40	21.40
	64QAM	1	0	20.49	20.09	19.87	21.40
		1	38	20.50	20.22	20.45	21.40
		1	74	20.41	20.09	20.48	21.40
		36	0	20.39	20.35	20.24	21.40
		36	18	20.43	20.40	20.36	21.40
		36	39	20.41	20.38	20.32	21.40
		75	0	20.40	20.39	20.33	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	20.35	20.37	20.25	21.40
		1	50	20.51	20.39	20.34	21.40
		1	99	20.43	20.44	20.49	21.40
		50	0	20.01	20.39	20.38	21.40
		50	25	20.06	20.46	20.34	21.40
		50	50	20.43	20.44	20.54	21.40
		100	0	20.56	20.43	20.47	21.40
	16QAM	1	0	20.44	20.50	20.59	21.40
		1	50	20.49	20.77	20.76	21.40
		1	99	20.74	20.44	20.72	21.40
		50	0	20.45	20.38	20.38	21.40
		50	25	20.41	20.37	20.52	21.40
		50	50	20.53	20.40	20.43	21.40
		100	0	20.49	20.42	20.43	21.40
	64QAM	1	0	20.57	20.15	19.88	21.40
		1	50	20.56	20.29	20.48	21.40
		1	99	20.50	20.18	20.51	21.40
		50	0	20.41	20.36	20.28	21.40
		50	25	20.49	20.42	20.41	21.40
		50	50	20.49	20.43	20.39	21.40
		100	0	20.45	20.44	20.42	21.40

LTE Band 4 DSI 6				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.38	23.10	23.41	24.40
		1	2	23.45	23.39	23.42	24.40
		1	5	23.40	23.40	23.42	24.40
		3	0	23.37	23.40	23.42	24.40
		3	2	23.40	23.41	23.44	24.40
		3	3	23.38	23.40	23.46	24.40
		6	0	22.54	22.50	22.58	23.40
	16QAM	1	0	22.58	22.42	22.52	23.40
		1	2	22.60	22.47	22.65	23.40
		1	5	22.37	22.47	22.49	23.40
		3	0	22.33	22.48	22.50	23.40
		3	2	22.40	22.52	22.49	23.40
		3	3	22.33	22.46	22.42	23.40
		6	0	21.56	21.48	21.52	22.40
	64QAM	1	0	21.62	21.08	21.39	22.40
		1	2	21.33	21.53	21.66	22.40
		1	5	21.58	21.52	20.80	22.40
		3	0	21.55	21.54	20.75	22.40
		3	2	21.56	21.48	20.83	22.40
		3	3	21.51	21.50	20.76	22.40
		6	0	20.33	20.46	20.32	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.30	23.09	23.43	24.40
		1	7	23.44	23.45	23.47	24.40
		1	14	23.35	23.36	23.49	24.40
		8	0	22.50	22.52	22.54	23.40
		8	4	22.54	22.52	22.66	23.40
		8	7	22.64	22.55	22.58	23.40
		15	0	22.60	22.52	22.52	23.40
	16QAM	1	0	22.61	22.36	22.51	23.40
		1	7	22.68	22.50	22.59	23.40
		1	14	22.37	22.52	22.45	23.40
		8	0	21.53	21.47	21.20	22.40
		8	4	21.57	21.50	21.57	22.40
		8	7	21.57	21.59	21.62	22.40
		15	0	21.55	21.47	21.58	22.40
	64QAM	1	0	21.58	21.09	21.38	22.40
		1	7	21.32	21.51	21.61	22.40
		1	14	21.57	21.55	20.78	22.40
		8	0	20.27	20.29	20.13	21.40
		8	4	20.44	20.37	20.42	21.40
		8	7	20.44	20.43	20.45	21.40

Bandwidth	Modulation	15	0	20.39	20.43	20.30	21.40
		RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	23.30	23.09	23.40	24.40
		1	13	23.41	23.40	23.44	24.40
		1	24	23.36	23.36	23.46	24.40
		12	0	22.51	22.49	22.52	23.40
		12	6	22.57	22.54	22.59	23.40
		12	13	22.65	22.57	22.59	23.40
		25	0	22.56	22.49	22.53	23.40
	16QAM	1	0	22.58	22.39	22.54	23.40
		1	13	22.61	22.47	22.65	23.40
		1	24	22.38	22.48	22.46	23.40
		12	0	21.52	21.43	21.23	22.40
		12	6	21.53	21.52	21.60	22.40
		12	13	21.57	21.53	21.61	22.40
		25	0	21.52	21.43	21.52	22.40
	64QAM	1	0	21.63	21.10	21.42	22.40
		1	13	21.36	21.49	21.67	22.40
		1	24	21.58	21.49	20.83	22.40
		12	0	20.34	20.31	20.19	21.40
		12	6	20.51	20.44	20.41	21.40
		12	13	20.40	20.42	20.46	21.40
		25	0	20.37	20.44	20.32	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.37	23.11	23.45	24.40
		1	25	23.44	23.44	23.46	24.40
		1	49	23.40	23.42	23.42	24.40
		25	0	22.52	22.55	22.58	23.40
		25	13	22.55	22.46	22.61	23.40
		25	25	22.59	22.55	22.61	23.40
		50	0	22.53	22.52	22.53	23.40
	16QAM	1	0	22.61	22.37	22.49	23.40
		1	25	22.61	22.52	22.64	23.40
		1	49	22.32	22.47	22.43	23.40
		25	0	21.46	21.50	21.17	22.40
		25	13	21.55	21.48	21.55	22.40
		25	25	21.55	21.56	21.59	22.40
		50	0	21.56	21.46	21.51	22.40
	64QAM	1	0	21.63	21.09	21.45	22.40
		1	25	21.34	21.49	21.60	22.40
		1	49	21.54	21.49	20.76	22.40
		25	0	20.34	20.30	20.13	21.40
		25	13	20.46	20.44	20.35	21.40
		25	25	20.41	20.42	20.42	21.40
		50	0	20.37	20.40	20.37	21.40

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.32	23.07	23.42	24.40
		1	38	23.40	23.44	23.40	24.40
		1	74	23.36	23.39	23.44	24.40
		36	0	22.57	22.52	22.52	23.40
		36	18	22.56	22.52	22.66	23.40
		36	39	22.63	22.51	22.62	23.40
		75	0	22.59	22.53	22.60	23.40
	16QAM	1	0	22.59	22.35	22.48	23.40
		1	38	22.66	22.47	22.67	23.40
		1	74	22.35	22.52	22.43	23.40
		36	0	21.51	21.47	21.19	22.40
		36	18	21.51	21.45	21.63	22.40
		36	39	21.57	21.54	21.58	22.40
		75	0	21.58	21.46	21.57	22.40
	64QAM	1	0	21.62	21.04	21.43	22.40
		1	38	21.34	21.53	21.68	22.40
		1	74	21.52	21.51	20.77	22.40
		36	0	20.27	20.34	20.19	21.40
		36	18	20.51	20.40	20.34	21.40
		36	39	20.39	20.39	20.39	21.40
		75	0	20.39	20.45	20.37	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	23.39	23.15	23.48	24.40
		1	50	23.47	23.46	23.49	24.40
		1	99	23.43	23.43	23.50	24.40
		50	0	22.58	22.57	22.59	23.40
		50	25	22.59	22.55	22.67	23.40
		50	50	22.66	22.59	22.66	23.40
		100	0	22.62	22.54	22.61	23.40
	16QAM	1	0	22.63	22.43	22.55	23.40
		1	50	22.69	22.55	22.68	23.40
		1	99	22.41	22.54	22.51	23.40
		50	0	21.55	21.51	21.26	22.40
		50	25	21.58	21.53	21.64	22.40
		50	50	21.64	21.60	21.67	22.40
		100	0	21.61	21.50	21.59	22.40
	64QAM	1	0	21.67	21.11	21.46	22.40
		1	50	21.40	21.54	21.69	22.40
		1	99	21.60	21.56	20.84	22.40
		50	0	20.36	20.38	20.22	21.40
		50	25	20.52	20.46	20.43	21.40
		50	50	20.46	20.46	20.48	21.40
		100	0	20.42	20.47	20.39	21.40

LTE Band 4 DSI 8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	20.81	20.77	20.64	21.90
		1	2	20.88	20.79	20.61	21.90
		1	5	20.87	20.87	20.88	21.90
		3	0	20.89	20.81	20.86	21.90
		3	2	20.94	20.84	20.92	21.90
		3	3	20.95	20.85	20.88	21.90
		6	0	20.90	20.86	20.94	21.90
	16QAM	1	0	21.17	20.94	20.99	21.90
		1	2	21.04	20.95	21.03	21.90
		1	5	21.04	21.05	21.13	21.90
		3	0	20.84	20.79	20.81	21.90
		3	2	20.95	20.82	20.91	21.90
		3	3	20.92	20.91	20.89	21.90
		6	0	20.88	20.83	20.87	21.90
	64QAM	1	0	20.93	20.90	20.61	21.90
		1	2	20.83	20.99	20.76	21.90
		1	5	20.78	20.99	20.99	21.90
		3	0	20.33	20.31	20.26	21.90
		3	2	20.37	20.36	20.34	21.90
		3	3	20.39	20.40	20.40	21.90
		6	0	20.39	20.34	20.40	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	20.88	20.77	20.71	21.90
		1	7	20.88	20.77	20.68	21.90
		1	14	20.85	20.83	20.86	21.90
		8	0	20.92	20.80	20.82	21.90
		8	4	20.92	20.84	20.92	21.90
		8	7	20.98	20.91	20.92	21.90
		15	0	20.90	20.84	20.93	21.90
	16QAM	1	0	21.24	20.99	20.93	21.90
		1	7	21.02	20.97	21.01	21.90
		1	14	21.00	21.00	21.14	21.90
		8	0	20.83	20.82	20.85	21.90
		8	4	20.90	20.83	20.89	21.90
		8	7	20.95	20.92	20.93	21.90
		15	0	20.88	20.82	20.81	21.90
	64QAM	1	0	20.95	20.88	20.57	21.90
		1	7	20.89	21.00	20.79	21.90
		1	14	20.77	21.00	20.93	21.90
		8	0	20.31	20.33	20.30	21.40
		8	4	20.36	20.40	20.35	21.40
		8	7	20.37	20.38	20.35	21.40

Bandwidth	Modulation	15	0	20.35	20.32	20.38	21.40
		RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	20.84	20.78	20.69	21.90
		1	13	20.93	20.74	20.62	21.90
		1	24	20.88	20.79	20.91	21.90
		12	0	20.92	20.82	20.81	21.90
		12	6	20.95	20.82	20.95	21.90
		12	13	20.90	20.90	20.89	21.90
		25	0	20.93	20.87	20.94	21.90
	16QAM	1	0	21.17	20.93	20.94	21.90
		1	13	21.05	20.97	20.97	21.90
		1	24	21.01	21.01	21.17	21.90
		12	0	20.84	20.79	20.84	21.90
		12	6	20.97	20.83	20.91	21.90
		12	13	20.93	20.89	20.90	21.90
		25	0	20.90	20.78	20.82	21.90
	64QAM	1	0	20.94	20.92	20.57	21.90
		1	13	20.82	20.96	20.73	21.90
		1	24	20.74	21.00	20.97	21.90
		12	0	20.33	20.30	20.30	21.40
		12	6	20.36	20.34	20.35	21.40
		12	13	20.40	20.35	20.32	21.40
		25	0	20.41	20.32	20.37	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	20.83	20.75	20.67	21.90
		1	25	20.89	20.74	20.62	21.90
		1	49	20.87	20.85	20.88	21.90
		25	0	20.85	20.79	20.86	21.90
		25	13	20.93	20.85	20.95	21.90
		25	25	20.97	20.85	20.95	21.90
		50	0	20.95	20.80	20.97	21.90
	16QAM	1	0	21.16	20.97	20.97	21.90
		1	25	21.00	20.95	20.97	21.90
		1	49	21.02	21.04	21.17	21.90
		25	0	20.85	20.80	20.86	21.90
		25	13	20.94	20.86	20.93	21.90
		25	25	20.90	20.87	20.92	21.90
		50	0	20.91	20.82	20.81	21.90
	64QAM	1	0	20.89	20.92	20.63	21.90
		1	25	20.88	20.95	20.72	21.90
		1	49	20.78	21.00	20.94	21.90
		25	0	20.28	20.30	20.27	21.40
		25	13	20.37	20.35	20.34	21.40
		25	25	20.35	20.35	20.34	21.40
		50	0	20.34	20.38	20.40	21.40

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	20.82	20.70	20.67	21.90
		1	38	20.85	20.73	20.66	21.90
		1	74	20.87	20.80	20.87	21.90
		36	0	20.85	20.84	20.82	21.90
		36	18	20.97	20.86	20.88	21.90
		36	39	20.98	20.91	20.88	21.90
		75	0	20.92	20.86	20.90	21.90
	16QAM	1	0	21.20	20.93	20.93	21.90
		1	38	21.04	20.98	21.05	21.90
		1	74	21.02	21.00	21.21	21.90
		36	0	20.84	20.83	20.84	21.90
		36	18	20.89	20.82	20.90	21.90
		36	39	20.98	20.93	20.93	21.90
		75	0	20.88	20.83	20.83	21.90
	64QAM	1	0	20.90	20.92	20.55	21.90
		1	38	20.83	21.00	20.78	21.90
		1	74	20.75	20.99	20.97	21.90
		36	0	20.34	20.35	20.27	21.40
		36	18	20.34	20.39	20.34	21.40
		36	39	20.37	20.39	20.35	21.40
		75	0	20.39	20.38	20.38	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	20.89	20.79	20.72	21.90
		1	50	20.94	20.82	20.70	21.90
		1	99	20.89	20.88	20.94	21.90
		50	0	20.94	20.87	20.87	21.90
		50	25	20.98	20.91	20.96	21.90
		50	50	20.99	20.92	20.96	21.90
		100	0	20.98	20.88	20.98	21.90
	16QAM	1	0	21.25	21.01	21.00	21.90
		1	50	21.09	20.99	21.06	21.90
		1	99	21.06	21.06	21.22	21.90
		50	0	20.92	20.85	20.87	21.90
		50	25	20.98	20.91	20.96	21.90
		50	50	20.99	20.94	20.95	21.90
		100	0	20.95	20.86	20.90	21.90
	64QAM	1	0	20.96	20.97	20.64	21.90
		1	50	20.90	21.01	20.81	21.90
		1	99	20.82	21.04	21.02	21.90
		50	0	20.36	20.38	20.34	21.40
		50	25	20.39	20.41	20.41	21.40
		50	50	20.43	20.43	20.41	21.40
		100	0	20.42	20.39	20.41	21.40

LTE Band 7 DSI 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.10	19.21	19.21	20.30
		1	13	19.09	19.10	19.16	20.30
		1	24	19.21	19.31	19.00	20.30
		12	0	19.10	19.25	19.19	20.30
		12	6	19.01	19.33	19.09	20.30
		12	13	19.23	18.96	18.94	20.30
		25	0	19.27	19.20	19.26	20.30
	16QAM	1	0	19.11	19.64	19.42	20.30
		1	13	19.33	19.69	19.30	20.30
		1	24	19.24	19.30	19.35	20.30
		12	0	19.11	19.03	19.27	20.30
		12	6	19.20	19.27	19.13	20.30
		12	13	19.30	19.48	19.16	20.30
		25	0	19.03	19.19	19.15	20.30
	64QAM	1	0	18.99	19.58	19.66	20.30
		1	13	19.29	19.44	19.24	20.30
		1	24	19.24	19.23	19.32	20.30
		12	0	19.13	19.29	19.11	20.30
		12	6	18.97	19.24	19.26	20.30
		12	13	19.03	19.10	18.96	20.30
		25	0	19.26	19.33	19.20	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.09	19.47	19.13	20.30
		1	25	19.21	19.28	19.25	20.30
		1	49	19.21	19.18	19.14	20.30
		25	0	18.99	19.27	19.34	20.30
		25	13	18.92	19.40	19.27	20.30
		25	25	18.94	18.97	19.09	20.30
		50	0	19.18	19.44	19.11	20.30
	16QAM	1	0	19.32	19.71	19.27	20.30
		1	25	19.11	19.48	19.23	20.30
		1	49	19.22	19.26	19.23	20.30
		25	0	19.05	19.23	19.24	20.30
		25	13	19.05	19.29	18.99	20.30
		25	25	19.30	19.28	19.18	20.30
		50	0	19.15	19.20	19.18	20.30
	64QAM	1	0	19.16	19.50	19.65	20.30
		1	25	19.32	19.47	19.06	20.30
		1	49	19.26	19.13	19.11	20.30
		25	0	19.06	19.28	19.04	20.30
		25	13	18.93	19.27	19.19	20.30
		25	25	18.94	19.38	18.96	20.30
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
10MHz	QPSK	1	0	19.09	19.47	19.13	20.30
		1	25	19.21	19.28	19.25	20.30
		1	49	19.21	19.18	19.14	20.30
		25	0	18.99	19.27	19.34	20.30
		25	13	18.92	19.40	19.27	20.30
		25	25	18.94	18.97	19.09	20.30
		50	0	19.18	19.44	19.11	20.30
	16QAM	1	0	19.32	19.71	19.27	20.30
		1	25	19.11	19.48	19.23	20.30
		1	49	19.22	19.26	19.23	20.30
		25	0	19.05	19.23	19.24	20.30
		25	13	19.05	19.29	18.99	20.30
		25	25	19.30	19.28	19.18	20.30
		50	0	19.15	19.20	19.18	20.30
	64QAM	1	0	19.16	19.50	19.65	20.30
		1	25	19.32	19.47	19.06	20.30
		1	49	19.26	19.13	19.11	20.30
		25	0	19.06	19.28	19.04	20.30
		25	13	18.93	19.27	19.19	20.30
		25	25	18.94	19.38	18.96	20.30



Bandwidth	Modulation	50	0	19.33	19.25	19.01	20.30
		RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	18.88	19.28	19.18	20.30
		1	38	19.21	19.15	18.98	20.30
		1	74	19.27	19.37	18.91	20.30
		36	0	19.16	19.47	19.17	20.30
		36	18	19.13	19.26	19.13	20.30
		36	39	19.19	19.17	19.08	20.30
		75	0	19.29	19.49	19.06	20.30
	16QAM	1	0	19.19	19.64	19.40	20.30
		1	38	19.20	19.44	19.10	20.30
		1	74	19.37	19.51	19.20	20.30
		36	0	18.95	19.07	19.40	20.30
		36	18	18.95	19.13	19.06	20.30
		36	39	19.14	19.48	19.08	20.30
		75	0	19.07	19.32	19.20	20.30
	64QAM	1	0	19.23	19.38	19.53	20.30
		1	38	19.18	19.42	19.11	20.30
		1	74	19.43	19.23	19.11	20.30
		36	0	19.08	19.24	19.09	20.30
		36	18	19.00	19.32	19.22	20.30
		36	39	19.10	19.34	19.04	20.30
		75	0	19.33	19.17	19.12	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.15	19.47	19.35	20.30
		1	50	19.21	19.37	19.27	20.30
		1	99	19.38	19.42	19.15	20.30
		50	0	19.19	19.47	19.34	20.30
		50	25	19.15	19.51	19.29	20.30
		50	50	19.24	19.17	19.21	20.30
		100	0	19.37	19.49	19.27	20.30
	16QAM	1	0	19.17	19.61	19.31	20.30
		1	50	19.25	19.54	19.25	20.30
		1	99	19.36	19.40	19.31	20.30
		50	0	19.09	19.09	19.29	20.30
		50	25	19.08	19.24	19.14	20.30
		50	50	19.19	19.35	19.17	20.30
		100	0	19.09	19.24	19.10	20.30
	64QAM	1	0	19.12	19.49	19.63	20.30
		1	50	19.25	19.50	19.10	20.30
		1	99	19.35	19.22	19.23	20.30
		50	0	19.01	19.38	19.18	20.30
		50	25	19.00	19.31	19.14	20.30
		50	50	19.07	19.25	18.89	20.30
		100	0	19.20	19.25	19.15	20.30

LTE Band 7 DSI 7/8				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	18.01	18.44	18.36	19.30	
		1	13	18.04	18.16	18.08	19.30	
		1	24	18.22	18.20	17.96	19.30	
		12	0	18.23	18.26	18.27	19.30	
		12	6	18.33	18.49	18.27	19.30	
		12	13	18.25	18.41	18.27	19.30	
	16QAM	25	0	18.10	18.38	18.12	19.30	
		1	0	18.19	18.58	18.34	19.30	
		1	13	18.41	18.28	18.23	19.30	
		1	24	18.55	18.42	18.24	19.30	
		12	0	18.00	18.21	18.34	19.30	
		12	6	18.21	18.36	18.13	19.30	
	64QAM	12	13	18.33	18.42	18.16	19.30	
		25	0	18.02	18.31	18.22	19.30	
		1	0	18.26	18.25	18.37	19.30	
		1	13	18.19	18.31	18.42	19.30	
		1	24	18.36	18.34	18.15	19.30	
		12	0	18.14	18.33	18.29	19.30	
	10MHz	QPSK	12	6	18.18	18.30	18.03	19.30
			12	13	18.33	18.19	18.03	19.30
			25	0	18.17	18.16	18.31	19.30
1			0	18.06	18.24	18.11	19.30	
1			25	18.06	18.18	18.24	19.30	
1			49	18.01	18.27	18.12	19.30	
16QAM		25	0	18.06	18.49	18.36	19.30	
		25	13	18.18	18.46	18.11	19.30	
		25	25	18.22	18.36	18.16	19.30	
		50	0	18.05	18.15	18.08	19.30	
		1	0	18.34	18.47	18.55	19.30	
		1	25	18.27	18.44	18.32	19.30	
64QAM	1	49	18.40	18.46	18.13	19.30		
	25	0	18.03	18.20	18.34	19.30		
	25	13	18.09	18.28	18.09	19.30		
	25	25	18.18	18.21	18.29	19.30		
	50	0	18.27	18.13	18.11	19.30		
	64QAM	1	0	18.14	18.42	18.41	19.30	
		1	25	18.33	18.34	18.33	19.30	
		1	49	18.38	18.37	18.10	19.30	
		25	0	17.95	18.39	18.25	19.30	
		25	13	18.00	18.30	18.28	19.30	

Bandwidth	Modulation	25	25	18.18	18.28	18.25	19.30	
		50	0	18.26	18.29	18.17	19.30	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	QPSK	1	0	18.07	18.46	18.34	19.30	
		1	38	18.18	18.43	18.11	19.30	
		1	74	18.09	18.23	17.96	19.30	
		36	0	18.24	18.42	18.14	19.30	
		36	18	18.25	18.31	18.22	19.30	
		36	39	18.21	18.19	18.14	19.30	
		75	0	18.19	18.41	18.19	19.30	
	16QAM	1	0	18.33	18.42	18.43	19.30	
		1	38	18.27	18.25	18.46	19.30	
		1	74	18.39	18.42	18.27	19.30	
		36	0	18.18	18.41	18.40	19.30	
		36	18	18.19	18.33	18.32	19.30	
		36	39	18.22	18.39	18.03	19.30	
		75	0	18.06	18.37	18.18	19.30	
	64QAM	1	0	18.19	18.41	18.16	19.30	
		1	38	18.29	18.26	18.58	19.30	
		1	74	18.26	18.46	18.26	19.30	
		36	0	17.97	18.31	18.23	19.30	
		36	18	18.05	18.37	18.11	19.30	
		36	39	18.17	18.21	18.18	19.30	
		75	0	18.17	18.22	18.28	19.30	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					20850	21100	21350	
	20MHz	QPSK	1	0	17.94	18.37	18.22	19.30
1			50	18.07	18.29	18.10	19.30	
1			99	18.15	18.22	18.02	19.30	
50			0	18.10	18.39	18.28	19.30	
50			25	18.18	18.37	18.23	19.30	
50			50	18.12	18.34	18.18	19.30	
100			0	18.16	18.30	18.22	19.30	
16QAM		1	0	18.28	18.49	18.42	19.30	
		1	50	18.29	18.39	18.35	19.30	
		1	99	18.47	18.48	18.26	19.30	
		50	0	18.06	18.30	18.25	19.30	
		50	25	18.14	18.24	18.21	19.30	
		50	50	18.20	18.34	18.15	19.30	
		100	0	18.16	18.24	18.20	19.30	
64QAM		1	0	18.16	18.36	18.29	19.30	
		1	50	18.19	18.41	18.45	19.30	
		1	99	18.34	18.43	18.21	19.30	
		50	0	18.09	18.30	18.19	19.30	
		50	25	18.14	18.32	18.17	19.30	
		50	50	18.19	18.29	18.12	19.30	

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		100	0	18.18	18.28	18.16	19.30
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LTE Band 7 DSI 6				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	20.99	21.22	21.16	22.30
		1	13	21.27	21.36	21.09	22.30
		1	24	21.19	21.15	21.24	22.30
		12	0	21.21	21.33	21.26	22.30
		12	6	21.15	21.45	21.24	22.30
		12	13	21.15	21.46	21.08	22.30
		25	0	21.36	21.31	21.16	22.30
	16QAM	1	0	21.29	21.45	21.44	22.30
		1	13	21.15	21.58	21.45	22.30
		1	24	21.30	21.51	21.09	22.30
		12	0	20.01	20.46	20.36	21.30
		12	6	20.16	20.48	20.36	21.30
		12	13	20.23	20.47	20.16	21.30
		25	0	20.18	20.43	20.32	21.30
	64QAM	1	0	20.04	20.46	20.27	21.30
		1	13	20.37	19.88	20.28	21.30
		1	24	19.87	20.42	19.80	21.30
		12	0	19.12	19.25	19.38	20.30
		12	6	19.06	19.29	19.25	20.30
		12	13	19.11	19.35	19.23	20.30
		25	0	19.11	19.36	19.20	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	21.07	21.27	21.22	22.30
		1	25	21.11	21.40	21.32	22.30
		1	49	21.28	21.16	21.15	22.30
		25	0	21.16	21.46	21.25	22.30
		25	13	21.14	21.30	21.17	22.30
		25	25	21.17	21.47	21.16	22.30
		50	0	21.36	21.39	21.14	22.30
	16QAM	1	0	21.32	21.44	21.35	22.30
		1	25	21.32	21.56	21.58	22.30
		1	49	21.39	21.32	21.07	22.30
		25	0	20.08	20.49	20.18	21.30
		25	13	20.29	20.22	20.15	21.30
		25	25	20.17	20.25	20.29	21.30
		50	0	20.03	20.31	20.33	21.30
	64QAM	1	0	20.08	20.37	20.15	21.30
		1	25	20.26	19.88	20.45	21.30
		1	49	19.96	20.50	19.99	21.30
		25	0	18.98	19.30	19.42	20.30
		25	13	19.12	19.28	19.23	20.30
		25	25	19.21	19.33	19.21	20.30

Bandwidth	Modulation	50	0	19.23	19.24	19.34	20.30
		RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	21.16	21.42	21.29	22.30
		1	38	21.22	21.15	21.09	22.30
		1	74	21.31	21.34	21.20	22.30
		36	0	21.03	21.47	21.26	22.30
		36	18	21.14	21.51	21.27	22.30
		36	39	21.34	21.42	21.31	22.30
		75	0	21.15	21.46	21.31	22.30
	16QAM	1	0	21.30	21.44	21.46	22.30
		1	38	21.35	21.71	21.61	22.30
		1	74	21.48	21.50	21.18	22.30
		36	0	20.16	20.44	20.14	21.30
		36	18	20.10	20.37	20.17	21.30
		36	39	20.18	20.32	20.29	21.30
		75	0	20.31	20.35	20.07	21.30
	64QAM	1	0	20.12	20.63	20.08	21.30
		1	38	20.39	19.71	20.28	21.30
		1	74	19.98	20.37	19.88	21.30
		36	0	19.08	19.34	19.39	20.30
		36	18	18.98	19.24	19.39	20.30
		36	39	19.23	19.19	19.28	20.30
		75	0	18.96	19.19	19.23	20.30
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.11	21.35	21.18	22.30
		1	50	21.12	21.30	21.19	22.30
		1	99	21.24	21.23	21.14	22.30
		50	0	21.17	21.41	21.29	22.30
		50	25	21.22	21.38	21.24	22.30
		50	50	21.24	21.35	21.20	22.30
		100	0	21.24	21.35	21.26	22.30
	16QAM	1	0	21.19	21.51	21.35	22.30
		1	50	21.30	21.57	21.51	22.30
		1	99	21.37	21.42	21.04	22.30
		50	0	20.15	20.41	20.28	21.30
		50	25	20.19	20.35	20.24	21.30
		50	50	20.21	20.36	20.19	21.30
		100	0	20.16	20.31	20.22	21.30
	64QAM	1	0	20.10	20.50	20.12	21.30
		1	50	20.31	19.85	20.39	21.30
		1	99	19.92	20.36	19.91	21.30
		50	0	19.08	19.32	19.27	20.30
		50	25	19.11	19.32	19.27	20.30
		50	50	19.11	19.31	19.14	20.30
		100	0	19.08	19.29	19.22	20.30

LTE Band 38 DSI 5				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	20.75	20.62	20.64	21.40	
		1	13	20.74	20.65	20.58	21.40	
		1	24	20.61	20.64	20.57	21.40	
		12	0	20.65	20.65	20.67	21.40	
		12	6	20.65	20.67	20.70	21.40	
		12	13	20.49	20.65	20.62	21.40	
	16QAM	25	0	20.59	20.65	20.57	21.40	
		1	0	20.74	20.78	20.73	21.40	
		1	13	20.73	20.71	20.74	21.40	
		1	24	20.68	20.59	20.73	21.40	
		12	0	20.72	20.64	20.73	21.40	
		12	6	20.70	20.64	20.66	21.40	
	64QAM	12	13	20.61	20.63	20.64	21.40	
		25	0	20.23	20.62	20.67	21.40	
		1	0	20.32	20.28	20.27	21.40	
		1	13	20.27	20.27	20.27	21.40	
		1	24	20.26	20.30	20.20	21.40	
		12	0	19.48	19.66	19.48	20.40	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					37800	38000	38200	
	10MHz	QPSK	1	0	20.75	20.70	20.64	21.40
1			25	20.74	20.59	20.59	21.40	
1			49	20.64	20.61	20.54	21.40	
25			0	20.65	20.67	20.70	21.40	
25			13	20.62	20.65	20.66	21.40	
25			25	20.56	20.62	20.57	21.40	
50			0	20.62	20.63	20.58	21.40	
16QAM		1	0	20.75	20.80	20.75	21.40	
		1	25	20.77	20.71	20.75	21.40	
		1	49	20.65	20.60	20.70	21.40	
		25	0	20.67	20.60	20.72	21.40	
		25	13	20.70	20.63	20.69	21.40	
		25	25	20.61	20.63	20.63	21.40	
64QAM		50	0	20.27	20.65	20.68	21.40	
		1	0	20.38	20.32	20.34	21.40	
		1	25	20.29	20.31	20.27	21.40	
		1	49	20.27	20.29	20.18	21.40	
		25	0	19.48	19.62	19.55	20.40	
25		13	19.64	19.64	19.59	20.40		

Bandwidth	Modulation	25	25	19.60	19.60	19.57	20.40
		50	0	19.54	19.57	19.61	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	20.80	20.65	20.68	21.40
		1	38	20.70	20.64	20.60	21.40
		1	74	20.59	20.62	20.55	21.40
		36	0	20.65	20.67	20.72	21.40
		36	18	20.65	20.68	20.69	21.40
		36	39	20.55	20.65	20.56	21.40
		75	0	20.63	20.68	20.58	21.40
	16QAM	1	0	20.79	20.79	20.79	21.40
		1	38	20.77	20.69	20.79	21.40
		1	74	20.67	20.60	20.68	21.40
		36	0	20.72	20.61	20.73	21.40
		36	18	20.71	20.67	20.69	21.40
		36	39	20.65	20.67	20.60	21.40
		75	0	20.26	20.65	20.61	21.40
	64QAM	1	0	20.39	20.27	20.30	21.40
		1	38	20.29	20.30	20.30	21.40
		1	74	20.24	20.29	20.25	21.40
		36	0	19.44	19.63	19.54	20.40
		36	18	19.65	19.62	19.62	20.40
		36	39	19.59	19.54	19.61	20.40
		75	0	19.55	19.63	19.64	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	20.82	20.71	20.72	21.40
		1	50	20.76	20.67	20.66	21.40
		1	99	20.68	20.66	20.62	21.40
		50	0	20.73	20.73	20.74	21.40
		50	25	20.71	20.70	20.71	21.40
		50	50	20.57	20.69	20.63	21.40
		100	0	20.68	20.69	20.66	21.40
	16QAM	1	0	20.83	20.84	20.80	21.40
		1	50	20.80	20.73	20.82	21.40
		1	99	20.69	20.67	20.74	21.40
		50	0	20.74	20.67	20.75	21.40
		50	25	20.72	20.72	20.70	21.40
		50	50	20.68	20.69	20.68	21.40
		100	0	20.32	20.71	20.70	21.40
	64QAM	1	0	20.41	20.34	20.35	21.40
		1	50	20.35	20.33	20.33	21.40
		1	99	20.30	20.34	20.26	21.40
		50	0	19.53	19.69	19.57	20.40
		50	25	19.68	19.68	19.68	20.40
		50	50	19.63	19.61	19.65	20.40



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		100	0	19.58	19.66	19.65	20.40
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LTE Band 38 DSI 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	19.16	19.17	19.17	19.90
		1	13	19.07	19.15	19.16	19.90
		1	24	19.13	19.16	19.10	19.90
		12	0	19.14	19.19	19.14	19.90
		12	6	19.17	19.17	19.13	19.90
		12	13	19.09	19.16	19.06	19.90
		25	0	19.10	19.13	19.20	19.90
	16QAM	1	0	19.26	19.26	19.31	19.90
		1	13	19.29	19.15	19.28	19.90
		1	24	19.21	19.19	19.24	19.90
		12	0	19.13	19.15	19.24	19.90
		12	6	19.13	19.16	19.13	19.90
		12	13	19.13	19.12	19.16	19.90
		25	0	19.12	19.19	19.13	19.90
	64QAM	1	0	18.83	18.80	18.87	19.90
		1	13	18.80	18.86	18.80	19.90
		1	24	18.73	18.72	18.67	19.90
		12	0	19.14	19.09	19.17	19.90
		12	6	19.09	19.11	19.21	19.90
		12	13	19.04	19.12	19.12	19.90
		25	0	19.12	19.12	19.11	19.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.14	19.13	19.19	19.90
		1	25	19.10	19.17	19.18	19.90
		1	49	19.11	19.18	19.05	19.90
		25	0	19.20	19.14	19.22	19.90
		25	13	19.13	19.16	19.09	19.90
		25	25	19.12	19.11	19.10	19.90
		50	0	19.14	19.09	19.13	19.90
	16QAM	1	0	19.30	19.22	19.29	19.90
		1	25	19.29	19.18	19.32	19.90
		1	49	19.17	19.17	19.17	19.90
		25	0	19.19	19.15	19.16	19.90
		25	13	19.13	19.14	19.13	19.90
		25	25	19.14	19.13	19.12	19.90
		50	0	19.20	19.20	19.12	19.90
	64QAM	1	0	18.86	18.80	18.88	19.90
		1	25	18.80	18.80	18.81	19.90
		1	49	18.70	18.77	18.66	19.90
		25	0	19.12	19.11	19.18	19.90
		25	13	19.07	19.10	19.16	19.90
		25	25	19.11	19.06	19.12	19.90

Bandwidth	Modulation	50	0	19.13	19.10	19.12	19.90
		RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	19.11	19.19	19.21	19.90
		1	38	19.05	19.11	19.18	19.90
		1	74	19.09	19.18	19.06	19.90
		36	0	19.20	19.19	19.19	19.90
		36	18	19.18	19.12	19.08	19.90
		36	39	19.09	19.17	19.06	19.90
		75	0	19.13	19.13	19.16	19.90
	16QAM	1	0	19.33	19.23	19.34	19.90
		1	38	19.22	19.15	19.29	19.90
		1	74	19.19	19.21	19.24	19.90
		36	0	19.21	19.20	19.20	19.90
		36	18	19.19	19.10	19.12	19.90
		36	39	19.13	19.13	19.14	19.90
		75	0	19.17	19.16	19.12	19.90
	64QAM	1	0	18.85	18.79	18.88	19.90
		1	38	18.79	18.79	18.87	19.90
		1	74	18.75	18.72	18.69	19.90
		36	0	19.15	19.11	19.17	19.90
		36	18	19.07	19.16	19.21	19.90
		36	39	19.05	19.07	19.10	19.90
		75	0	19.12	19.14	19.11	19.90
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	19.17	19.20	19.23	19.90
		1	50	19.14	19.19	19.24	19.90
		1	99	19.18	19.19	19.14	19.90
		50	0	19.22	19.20	19.23	19.90
		50	25	19.20	19.20	19.17	19.90
		50	50	19.16	19.18	19.14	19.90
		100	0	19.18	19.16	19.21	19.90
	16QAM	1	0	19.35	19.30	19.35	19.90
		1	50	19.30	19.20	19.36	19.90
		1	99	19.24	19.24	19.25	19.90
		50	0	19.22	19.21	19.25	19.90
		50	25	19.20	19.19	19.20	19.90
		50	50	19.15	19.18	19.17	19.90
		100	0	19.21	19.21	19.21	19.90
	64QAM	1	0	18.88	18.85	18.91	19.90
		1	50	18.81	18.87	18.88	19.90
		1	99	18.76	18.81	18.74	19.90
		50	0	19.17	19.16	19.22	19.90
		50	25	19.15	19.18	19.22	19.90
		50	50	19.13	19.15	19.15	19.90
		100	0	19.16	19.16	19.18	19.90