

Ant Gain(Ant 5)	-2.81						
LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH	
				131979CH	132322CH	132665CH	
				1710.7MHz	1745MHz	1779.3MHz	
66 / 1.4MHz	QPSK	1	0	22.64	22.70	22.89	
		1	2	22.66	22.72	22.90	
		1	5	22.64	22.70	22.90	
		3	0	22.67	22.74	22.73	
		3	1	22.67	22.77	22.78	
		3	2	22.64	22.73	22.77	
	16QAM	1	0	21.81	22.13	21.75	
		1	2	21.84	22.13	21.72	
		1	5	21.82	22.13	21.77	
		3	0	21.73	21.96	21.89	
		3	1	21.74	21.96	21.89	
		3	2	21.76	21.92	21.88	
	64QAM	1	0	20.80	20.64	20.90	
		1	0	20.86	20.92	21.02	
		1	2	20.89	20.92	21.09	
		1	5	20.84	20.96	21.04	
		3	0	20.74	20.69	21.01	
		3	1	20.76	20.70	21.06	
			3	2	20.76	20.68	21.03
			6	0	20.11	19.96	19.87

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH	
				131987CH	132322CH	132657CH	
				1711.5MHz	1745MHz	1778.5MHz	
66 / 3MHz	QPSK	1	0	22.64	22.75	22.80	
		1	7	22.72	22.80	22.74	
		1	14	22.72	22.72	22.72	
		8	0	21.68	21.74	21.75	
		8	4	21.67	21.74	21.73	
		8	7	21.69	21.70	21.74	
	16QAM	15	0	21.69	21.71	21.78	
		1	0	21.71	21.66	22.12	
		1	7	21.75	21.69	22.14	
		1	14	21.78	21.63	22.14	
		8	0	20.71	20.84	20.83	
		8	4	20.72	20.83	20.82	
	64QAM	8	7	20.71	20.80	20.80	
		15	0	20.63	20.73	20.78	
		1	0	20.97	20.91	20.98	
		1	7	21.02	20.97	20.97	
		1	14	20.99	20.95	20.91	
		8	0	19.88	19.94	19.89	
			8	4	19.90	19.95	19.88
			8	7	19.90	19.92	19.88
			15	0	19.82	19.91	19.98

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				131997CH	132322CH	132647CH
				1712.5MHz	1745MHz	1777.5MHz
66 / 5MHz	QPSK	1	0	22.83	22.84	22.84
		1	13	22.84	22.79	22.85
		1	24	22.88	22.82	22.87
		12	0	21.66	21.77	21.81
		12	6	21.66	21.75	21.77
		12	11	21.67	21.71	21.75
	16QAM	25	0	21.70	21.73	21.78
		1	0	22.01	22.33	21.77
		1	13	21.99	22.34	21.75
		1	24	22.04	22.35	21.78
		12	0	20.72	20.89	20.84
		12	6	20.73	20.86	20.82
	64QAM	12	11	20.76	20.85	20.76
		25	0	20.74	20.79	20.72
		1	0	20.62	21.09	20.97
		1	13	20.63	21.10	21.00
		1	24	20.65	21.09	21.04
		12	0	19.84	19.87	20.01
		12	6	19.87	19.85	19.97
		12	11	19.86	19.79	19.93
		25	0	19.81	19.85	19.94

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				132022CH	132322CH	132622CH
				1715MHz	1745MHz	1775MHz
66 / 10MHz	QPSK	1	0	22.65	22.78	22.76
		1	25	22.71	22.78	22.77
		1	49	22.72	22.73	22.72
		25	0	21.63	21.76	21.78
		25	13	21.72	21.74	21.80
		25	25	21.78	21.77	21.75
	16QAM	50	0	21.74	21.80	21.81
		1	0	21.61	22.13	21.78
		1	25	21.63	22.14	21.75
		1	49	21.68	22.10	21.75
		25	0	20.62	20.79	20.86
		25	13	20.74	20.76	20.88
	64QAM	25	25	20.80	20.81	20.83
		50	0	20.69	20.78	20.80
		1	0	20.95	20.92	20.94
		1	25	21.02	20.99	20.95
		1	49	21.04	20.90	20.91
		25	0	19.79	19.99	20.03
		25	13	19.91	19.97	20.04
		25	25	19.95	20.00	20.00
		50	0	19.86	19.97	19.95

LTE Band / BW	Modulation	RB Sizat	RB Offset	Low CH	Mid CH	High CH
				132047CH	132322CH	132597CH
				1717.5MHz	1745MHz	1772.5MHz
66 / 15MHz	QPSK	1	0	22.58	22.72	22.77
		1	38	22.70	22.73	22.84
		1	74	22.62	22.64	22.76
		36	0	21.62	21.76	21.77
		36	18	21.68	21.72	21.78
		36	39	21.71	21.72	21.76
		75	0	21.72	21.75	21.76
	16QAM	1	0	21.58	22.11	22.08
		1	38	21.68	22.13	22.13
		1	74	21.60	22.05	22.01
		36	0	20.61	20.80	20.75
		36	18	20.69	20.77	20.74
		36	39	20.71	20.78	20.71
		75	0	20.69	20.72	20.73
	64QAM	1	0	20.94	20.87	21.33
		1	38	21.06	20.91	21.35
		1	74	20.98	20.81	21.28
		36	0	19.78	19.96	19.95
		36	18	19.87	19.96	19.90
		36	39	19.88	19.94	19.91
		75	0	19.84	19.91	19.93

LTE Band / BW	Modulation	RB Sizat	RB Offset	Low CH	Mid CH	High CH
				132072CH	132322CH	132572CH
				1720MHz	1745MHz	1770MHz
66 / 20MHz	QPSK	1	0	22.67	22.77	22.76
		1	50	22.77	22.84	22.95
		1	99	22.73	22.68	22.80
		50	0	21.63	21.78	21.79
		50	25	21.74	21.80	21.81
		50	50	21.73	21.74	21.71
		100	0	21.67	21.75	21.75
	16QAM	1	0	22.22	22.10	22.06
		1	50	22.33	22.18	22.19
		1	99	22.30	21.99	22.09
		50	0	20.61	20.78	20.73
		50	25	20.76	20.80	20.74
		50	50	20.72	20.72	20.64
		100	0	20.68	20.71	20.71
	64QAM	1	0	20.82	21.03	21.26
		1	50	20.85	21.08	21.35
		1	99	20.87	20.94	21.25
		50	0	19.77	19.98	19.96
		50	25	19.89	20.01	19.99
		50	50	19.85	19.96	19.88
		100	0	19.82	19.90	19.87

Ant Gain(Ant 5)		-2.01										
LTE CA_7C / Low Range												
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM	
10+20	20805	2505.5	20949	2519.9	1	49	1	0	21.23	20.91	18.64	
					1	0	1	99	12.43	13.18	12.86	
					50	0	100	0	19.38	18.39	18.43	
20+10	20850	2510	20994	2524.4	1	99	1	0	21.38	20.73	18.72	
					1	0	1	49	12.57	12.95	12.91	
					100	0	50	0	19.49	18.54	18.47	
15+10	20825	2507.5	20945	2519.5	1	74	1	0	21.51	20.74	18.72	
					1	0	1	49	12.73	13	13.04	
					75	0	50	0	19.52	18.55	18.55	
15+15	20825	2507.5	20975	2522.5	1	74	1	0	21.5	20.74	18.74	
					1	0	1	74	12.71	12.98	13.01	
					75	0	75	0	19.46	18.49	18.51	
15+20	20828	2507.8	20999	2524.9	1	74	1	0	21.48	21.14	18.85	
					1	0	1	99	12.6	13.32	13	
					75	0	100	0	19.45	18.51	18.51	
20+15	20850	2510	21021	2527.1	1	99	1	0	21.37	21.03	18.38	
					1	0	1	74	12.51	13.13	12.55	
					100	0	75	0	19.49	18.52	18.51	
20+20	20850	2510	21041	2529.8	1	99	1	0	21.39	21.09	18.41	
					1	0	1	99	12.35	12.98	12.42	
					100	0	100	0	19.44	18.45	18.48	

LTE CA_7C / Mid Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
10+20	21006	2525.6	21150	2540	1	49	1	0	21.39	20.63	18.66
					1	0	1	99	12.65	12.93	12.96
					50	0	100	0	19.64	18.65	18.67
20+10	21051	2530.1	21195	2544.5	1	99	1	0	21.42	20.77	18.73
					1	0	1	49	12.77	13.14	13.08
					100	0	50	0	19.64	18.66	18.63
15+10	21051	2530.1	21171	2542.1	1	74	1	0	21.54	20.78	18.81
					1	0	1	49	12.97	13.22	13.25
					75	0	50	0	19.69	18.73	18.72
15+15	21025	2527.5	21175	2542.5	1	74	1	0	21.54	21.06	19.03
					1	0	1	74	12.89	13.38	13.38
					75	0	75	0	19.73	18.7	18.75
15+20	21003	2525.3	21174	2542.4	1	74	1	0	21.61	20.86	18.86
					1	0	1	99	12.83	13.1	13.1
					75	0	100	0	19.67	18.71	18.7
20+15	21026	2527.6	21197	2544.7	1	99	1	0	21.51	20.93	18.62
					1	0	1	74	12.75	13.13	12.87
					100	0	75	0	19.67	18.73	18.72
20+20	21001	2525.1	21199	2544.9	1	99	1	0	21.51	20.88	18.86
					1	0	1	99	12.64	13	12.93
					100	0	100	0	19.71	18.72	18.7

LTE CA_7C / High Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
10+20	21206	2545.6	21350	2560	1	49	1	0	21.13	20.8	18.51
					1	0	1	99	12.6	13.35	13.02
					50	0	100	0	19.51	18.54	18.55
20+10	21251	2550.1	21395	2564.5	1	99	1	0	21.11	20.76	18.15
					1	0	1	49	12.66	13.29	12.72
					100	0	50	0	19.52	18.52	18.58
15+10	21277	2552.7	21397	2564.7	1	74	1	0	21.26	20.93	18.62
					1	0	1	49	12.97	13.59	13.25
					75	0	50	0	19.63	18.62	18.6
15+15	21225	2547.5	21375	2562.5	1	74	1	0	21.28	20.95	18.65
					1	0	1	74	12.78	13.53	13.18
					75	0	75	0	19.55	18.59	18.58
15+20	21179	2542.9	21350	2560	1	74	1	0	21.31	20.98	18.67
					1	0	1	99	12.72	13.44	13.13
					75	0	100	0	19.45	18.49	18.47
20+15	21201	2545.1	21372	2562.2	1	99	1	0	21.2	20.6	18.32
					1	0	1	74	12.65	13.04	12.79
					100	0	75	0	19.45	18.48	18.48
20+20	21152	2540.2	21350	2560	1	99	1	0	21.27	20.59	18.6
					1	0	1	99	12.54	12.96	12.89
					100	0	100	0	19.41	18.43	18.4

Ant Gain(Ant 5)		-1.59									
LTE CA_38C / Low Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
15+15	37825	2577.5	37975	2592.5	1	74	1	0	21.68	20.69	18.79
					1	0	1	74	12.9	13.1	13.24
					75	0	75	0	19.68	18.71	18.69
20+20	37850	2580	38048	2599.8	1	99	1	0	21.45	20.56	18.75
					1	0	1	99	12.47	12.37	12.82
					100	0	100	0	19.56	18.56	18.55

LTE CA_38C / Mid Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
15+15	37925	2587.5	38075	2602.5	1	74	1	0	21.73	20.69	18.81
					1	0	1	74	12.88	13.11	12.64
					75	0	75	0	19.72	18.73	18.71
20+20	37901	2585.1	38099	2604.9	1	99	1	0	21.5	20.69	18.68
					1	0	1	99	12.56	12.35	12.39
					100	0	100	0	19.62	18.63	18.68

LTE CA_38C / High Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
15+15	38025	2597.5	38175	2612.5	1	74	1	0	21.78	20.71	18.95
					1	0	1	74	12.99	13.27	13.41
					75	0	75	0	19.74	18.77	18.79
20+20	37952	2590.2	38150	2610	1	99	1	0	21.54	20.63	18.61
					1	0	1	99	12.54	12.41	12.88
					100	0	100	0	19.62	18.63	18.67

Ant Gain(Ant 5)		-0.72										
LTE CA_41C / Low Range												
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM	
5+20	39683	2499.3	39800	2511	1	24	1	0	22.11	21.18	19.44	
					1	0	1	99	13.38	13.87	13.63	
					25	0	100	0	20.25	19.29	19.22	
20+5	39750	2506	39867	2517.7	1	99	1	0	22.21	21.43	19.72	
					1	0	1	0	22.28	21.19	20.14	
					100	0	1	24	20.37	19.36	19.39	
10+15	39703	2501.3	39823	2513.3	1	49	1	0	22.17	21.48	19.06	
					1	0	1	74	13.42	13.74	13.53	
					50	0	75	0	20.31	19.34	19.31	
15+10	39725	2503.5	39845	2515.5	1	74	1	0	22.41	21.43	19.47	
					1	0	1	49	13.65	14.32	13.77	
					75	0	50	0	20.35	19.37	19.41	
10+20	39705	2501.5	39849	2515.9	1	49	1	0	22.12	21.44	19.05	
					1	0	1	99	13.41	13.79	13.47	
					50	0	100	0	20.27	19.28	19.25	
20+10	39750	2506	39894	2520.4	1	99	1	0	22.23	21.47	19.31	
					1	0	1	49	13.41	13.31	13.77	
					100	0	50	0	20.38	19.4	19.42	
15+15	39725	2503.5	39875	2518.5	1	74	1	0	22.47	21.45	19.56	
					1	0	1	74	13.69	13.73	13.96	
					75	0	75	0	20.41	19.41	19.36	
15+20	39728	2503.8	39899	2520.9	1	74	1	0	22.6	21.39	19.55	
					1	0	1	99	13.48	13.69	13.96	
					75	0	100	0	20.28	19.28	19.29	
20+15	39750	2506	39921	2523.1	1	99	1	0	22.24	21.52	19.43	
					1	0	1	74	13.38	13.61	13.83	
					100	0	75	0	20.28	19.28	19.25	
20+20	39750	2506	39948	2525.8	1	99	1	0	22.29	21.52	19.22	
					1	0	1	99	13.32	13.58	13.35	
					100	0	100	0	20.32	19.3	19.26	

LTE CA_41C / Mid Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
5+20	40528	2583.8	40645	2595.5	1	24	1	0	22.02	20.98	18.96
					1	0	1	99	13.37	13.71	13.85
					25	0	100	0	20.2	19.17	19.19
20+5	40595	2590.5	40712	2602.2	1	99	1	0	22.09	21.24	19.23
					1	0	1	0	13.44	13.64	13.66
					100	0	1	24	20.36	19.33	19.32
10+15	40549	2585.9	40669	2597.9	1	49	1	0	22.3	21.05	19.01
					1	0	1	74	13.34	13.71	13.97
					50	0	75	0	20.27	19.25	19.27
15+10	40571	2588.1	40691	2600.1	1	74	1	0	22.35	21.26	19.13
					1	0	1	49	13.6	13.86	14.13
					75	0	50	0	20.36	19.35	19.33
10+20	40526	2583.6	40670	2598	1	49	1	0	22.02	20.93	18.93
					1	0	1	99	13.28	13.02	13.86
					50	0	100	0	20.17	19.19	19.14
20+10	40571	2588.1	40715	2602.5	1	99	1	0	22.16	21.39	19.26
					1	0	1	49	13.41	13.56	13.55
					100	0	50	0	20.27	19.27	19.22
15+15	40545	2585.5	40695	2600.5	1	74	1	0	22.37	21.29	19.21
					1	0	1	74	13.51	13.78	14.07
					75	0	75	0	20.28	19.27	19.24
15+20	40523	2583.3	40694	2600.4	1	74	1	0	22.29	21.33	19.42
					1	0	1	99	13.44	13.07	13.79
					75	0	100	0	20.24	19.24	19.23
20+15	40546	2585.6	40717	2602.7	1	99	1	0	22.14	21.43	19.14
					1	0	1	74	13.27	13.61	13.53
					100	0	75	0	20.26	19.25	19.19
20+20	40521	2583.1	40719	2602.9	1	99	1	0	22.13	21.38	19.23
					1	0	1	99	13.16	13.44	13.56
					100	0	100	0	20.21	19.21	19.13

LTE CA_41C / High Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
5+20	41373	2668.3	41490	2680	1	24	1	0	22.03	21.11	19.23
					1	0	1	99	13.49	13.86	14.13
					25	0	100	0	20.24	19.27	19.21
20+5	41440	2675	41557	2686.7	1	99	1	0	21.99	21.17	19.08
					1	0	1	0	13.59	13.89	13.94
					100	0	1	24	20.34	19.33	19.24
10+15	41395	2670.5	41515	2682.5	1	49	1	0	22.02	21.04	19.09
					1	0	1	74	13.48	13.51	14.01
					50	0	75	0	20.31	19.22	19.23
15+10	41417	2672.7	41537	2684.7	1	74	1	0	22.19	21.17	19.34
					1	0	1	49	13.7	13.79	14.03
					75	0	50	0	20.37	19.38	19.36
10+20	41346	2665.6	41490	2680	1	49	1	0	22.06	20.97	18.95
					1	0	1	99	13.42	13.68	13.99
					50	0	100	0	20.26	19.25	19.26
20+10	41391	2670.1	41535	2684.5	1	99	1	0	21.97	21.19	19.07
					1	0	1	49	13.46	13.29	13.78
					100	0	50	0	20.32	19.34	19.32
15+15	41365	2667.5	41515	2682.5	1	74	1	0	22.28	21.08	19.05
					1	0	1	74	13.61	13.89	13.85
					75	0	75	0	20.34	19.32	19.34
15+20	41319	2662.9	41490	2680	1	74	1	0	22.29	21.12	19.03
					1	0	1	99	13.56	13.82	13.53
					75	0	100	0	20.34	19.28	19.28
20+15	41341	2665.1	41512	2682.2	1	99	1	0	21.99	21.22	19.04
					1	0	1	74	13.36	13.74	13.86
					100	0	75	0	20.31	19.3	19.29
20+20	41292	2660.2	41490	2680	1	99	1	0	22.09	21.36	19.21
					1	0	1	99	13.44	13.52	13.72
					100	0	100	0	20.33	19.32	19.26

Effective Isotropic Radiated Power:

Ant Gain(Ant 3)	-3.18			
Modulation	Band	WCDMA Band IV		
	Tx Channel	1312CH	1413CH	1513CH
	Frequency	1712.4MHz	1732.6MHz	1752.6MHz
QPSK	RMC 12.2K	19.90	19.80	19.80
	HSDPA Subtest-1	18.88	19.01	18.79
	HSDPA Subtest-2	18.85	18.77	18.78
	HSDPA Subtest-3	18.40	18.32	18.30
	HSDPA Subtest-4	18.39	18.26	18.25
	HSUPA Subtest-1	17.93	17.84	17.87
	HSUPA Subtest-2	16.62	16.51	16.53
	HSUPA Subtest-3	17.47	17.33	17.39
	HSUPA Subtest-4	16.93	16.82	16.87
HSUPA Subtest-5	19.48	19.36	19.39	

Ant Gain(Ant 5)	-2.81					
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19957CH	20175CH	20393CH
				1710.7MHz	1732.5MHz	1754.3MHz
4 / 1.4MHz	QPSK	1	0	19.26	19.32	19.43
		1	2	19.27	19.34	19.40
		1	5	19.25	19.34	19.43
		3	0	19.30	19.35	19.31
		3	1	19.28	19.36	19.35
		3	2	19.25	19.33	19.32
	16QAM	6	0	18.29	18.36	18.35
		1	0	18.36	18.50	18.71
		1	2	18.34	18.51	18.69
		1	5	18.38	18.50	18.68
		3	0	18.46	18.38	18.54
		3	1	18.50	18.40	18.51
	64QAM	3	2	18.46	18.39	18.51
		6	0	17.64	17.65	17.38
		1	0	17.65	17.73	17.88
		1	2	17.68	17.73	17.92
		1	5	17.61	17.76	17.89
		3	0	17.53	17.51	17.82
		3	1	17.54	17.52	17.82
		3	2	17.56	17.50	17.82
		6	0	16.75	16.59	16.48

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19965CH	20175CH	20385CH
				1711.5MHz	1732.5MHz	1753.5MHz
4 / 3MHz	QPSK	1	0	19.26	19.36	19.32
		1	7	19.31	19.43	19.35
		1	14	19.33	19.39	19.31
		8	0	18.27	18.36	18.34
		8	4	18.28	18.35	18.32
		8	7	18.28	18.31	18.33
		15	0	18.27	18.32	18.34
	16QAM	1	0	18.22	18.73	18.37
		1	7	18.24	18.77	18.40
		1	14	18.23	18.76	18.37
		8	0	17.58	17.63	17.57
		8	4	17.59	17.62	17.56
		8	7	17.58	17.56	17.54
		15	0	17.51	17.53	17.48
	64QAM	1	0	17.74	17.69	17.73
		1	7	17.78	17.72	17.74
		1	14	17.77	17.72	17.70
		8	0	16.51	16.57	16.48
		8	4	16.52	16.59	16.47
		8	7	16.53	16.56	16.46
		15	0	16.44	16.53	16.55

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19975CH	20175CH	20375CH
				1712.5MHz	1732.5MHz	1752.5MHz
4 / 5MHz	QPSK	1	0	19.46	19.46	19.45
		1	13	19.45	19.41	19.42
		1	24	19.46	19.45	19.46
		12	0	18.26	18.39	18.39
		12	6	18.27	18.39	18.37
		12	11	18.32	18.33	18.35
		25	0	18.31	18.38	18.39
	16QAM	1	0	18.58	18.92	18.43
		1	13	18.57	18.92	18.39
		1	24	18.61	18.93	18.44
		12	0	17.52	17.69	17.57
		12	6	17.55	17.67	17.58
		12	11	17.58	17.65	17.54
		25	0	17.53	17.62	17.50
	64QAM	1	0	17.41	17.87	17.76
		1	13	17.43	17.91	17.74
		1	24	17.44	17.92	17.80
		12	0	16.46	16.49	16.58
		12	6	16.48	16.48	16.57
		12	11	16.53	16.43	16.57
		25	0	16.44	16.52	16.56

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20000CH	20175CH	20350CH
				1715MHz	1732.5MHz	1750MHz
4 / 10MHz	QPSK	1	0	19.25	19.36	19.36
		1	25	19.36	19.40	19.35
		1	49	19.27	19.40	19.32
		25	0	18.22	18.39	18.32
		25	13	18.31	18.39	18.34
		25	25	18.39	18.35	18.38
		50	0	18.36	18.40	18.40
	16QAM	1	0	18.23	18.72	18.36
		1	25	18.32	18.75	18.37
		1	49	18.20	18.75	18.35
		25	0	17.45	17.62	17.59
		25	13	17.54	17.61	17.61
		25	25	17.62	17.58	17.65
		50	0	17.50	17.59	17.58
	64QAM	1	0	17.72	17.69	17.71
		1	25	17.84	17.73	17.74
		1	49	17.74	17.71	17.70
		25	0	16.42	16.66	16.58
		25	13	16.53	16.65	16.59
		25	25	16.60	16.62	16.64
		50	0	16.51	16.59	16.54

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20025CH	20175CH	20325CH
				1717.5MHz	1732.5MHz	1747.5MHz
4 / 15MHz	QPSK	1	0	19.18	19.24	19.36
		1	38	19.28	19.36	19.40
		1	74	19.22	19.34	19.31
		36	0	18.22	18.35	18.34
		36	18	18.27	18.33	18.30
		36	39	18.30	18.34	18.34
		75	0	18.30	18.34	18.36
	16QAM	1	0	18.18	18.64	18.79
		1	38	18.27	18.77	18.78
		1	74	18.22	18.72	18.72
		36	0	17.43	17.58	17.50
		36	18	17.47	17.56	17.47
		36	39	17.48	17.59	17.48
		75	0	17.46	17.53	17.53
	64QAM	1	0	17.69	17.60	18.14
		1	38	17.84	17.72	18.16
		1	74	17.75	17.65	18.10
		36	0	16.43	16.57	16.52
		36	18	16.49	16.59	16.49
		36	39	16.48	16.57	16.51
		75	0	16.47	16.53	16.57

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20050CH	20175CH	20300CH
				1720MHz	1732.5MHz	1740MHz
4 / 20MHz	QPSK	1	0	19.31	19.43	19.34
		1	50	19.36	19.51	19.41
		1	99	19.34	19.40	19.29
		50	0	18.21	18.42	18.42
		50	25	18.35	18.44	18.43
		50	50	18.29	18.39	18.39
		100	0	18.25	18.39	18.38
	16QAM	1	0	18.80	18.68	18.74
		1	50	18.91	18.82	18.82
		1	99	18.87	18.73	18.69
		50	0	17.43	17.58	17.54
		50	25	17.53	17.58	17.54
		50	50	17.51	17.54	17.51
		100	0	17.45	17.53	17.54
	64QAM	1	0	17.76	18.11	17.71
		1	50	17.83	18.19	17.77
		1	99	17.81	18.11	17.66
		50	0	16.46	16.60	16.58
		50	25	16.55	16.58	16.58
		50	50	16.52	16.55	16.54
		100	0	16.45	16.52	16.55

Ant Gain(Ant 4)	-0.29					
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20775CH	21100CH	21425CH
				2502.5MHz	2535MHz	2567.5MHz
7 / 5MHz	QPSK	1	0	21.59	21.56	21.59
		1	13	21.58	21.52	21.57
		1	24	21.60	21.52	21.55
		12	0	20.54	20.51	20.53
		12	6	20.53	20.45	20.48
		12	11	20.53	20.42	20.47
		25	0	20.53	20.45	20.53
	16QAM	1	0	20.55	20.70	21.05
		1	13	20.56	20.66	21.11
		1	24	20.60	20.66	21.15
		12	0	19.56	19.54	19.63
		12	6	19.55	19.51	19.62
		12	11	19.53	19.46	19.61
		25	0	19.49	19.46	19.57
	64QAM	1	0	19.44	19.76	19.67
		1	2	19.45	19.75	19.69
		1	5	19.50	19.74	19.73
		3	0	18.53	18.39	18.51
		3	1	18.48	18.38	18.49
		3	2	18.53	18.32	18.48
		6	0	18.52	18.39	18.48

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20800CH	21100CH	21400CH
				2505MHz	2535MHz	2565MHz
7 / 10MHz	QPSK	1	0	21.43	21.51	21.40
		1	25	21.46	21.49	21.42
		1	49	21.46	21.41	21.39
		25	0	20.44	20.48	20.48
		25	13	20.51	20.42	20.46
		25	25	20.55	20.45	20.57
		50	0	20.53	20.52	20.52
	16QAM	1	0	20.40	20.83	20.43
		1	25	20.42	20.83	20.49
		1	49	20.40	20.81	20.42
		25	0	19.48	19.52	19.57
		25	13	19.53	19.48	19.58
		25	25	19.56	19.51	19.65
		50	0	19.50	19.49	19.50
	64QAM	1	0	19.81	19.60	19.55
		1	25	19.82	19.60	19.62
		1	49	19.80	19.55	19.54
		25	0	18.48	18.55	18.51
		25	13	18.52	18.49	18.51
		25	25	18.54	18.50	18.55
		50	0	18.50	18.49	18.44

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20825CH	21100CH	21375CH
				2507.5MHz	2535MHz	2562.5MHz
7 / 15MHz	QPSK	1	0	21.36	21.46	21.41
		1	38	21.44	21.49	21.47
		1	74	21.36	21.37	21.43
		36	0	20.46	20.49	20.43
		36	18	20.46	20.43	20.45
		36	39	20.48	20.42	20.51
		75	0	20.48	20.49	20.48
	16QAM	1	0	20.36	20.84	20.79
		1	38	20.42	20.83	20.82
		1	74	20.34	20.72	20.69
		36	0	19.44	19.53	19.44
		36	18	19.46	19.47	19.42
		36	39	19.48	19.50	19.47
		75	0	19.47	19.46	19.45
	64QAM	1	0	19.76	19.59	19.94
		1	38	19.81	19.60	20.03
		1	74	19.78	19.48	19.95
		36	0	18.46	18.52	18.42
		36	18	18.48	18.48	18.43
		36	39	18.48	18.46	18.45
		75	0	18.46	18.46	18.48

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20850CH	21100CH	21350CH
				2510MHz	2535MHz	2560MHz
7 / 20MHz	QPSK	1	0	21.47	21.47	21.35
		1	50	21.53	21.54	21.44
		1	99	21.45	21.41	21.40
		50	0	20.41	20.54	20.55
		50	25	20.50	20.51	20.48
		50	50	20.44	20.50	20.49
		100	0	20.46	20.51	20.53
	16QAM	1	0	20.97	20.79	20.76
		1	50	21.04	20.89	20.86
		1	99	20.94	20.75	20.83
		50	0	19.41	19.50	19.55
		50	25	19.49	19.49	19.47
		50	50	19.48	19.46	19.44
		100	0	19.45	19.49	19.54
	64QAM	1	0	19.64	19.96	19.50
		1	50	19.74	20.07	19.59
		1	99	19.63	19.92	19.45
		50	0	18.42	18.48	18.48
		50	25	18.48	18.44	18.45
		50	50	18.48	18.44	18.43
		100	0	18.39	18.44	18.48

Ant Gain(Ant 4)	0.006					
LTE Band / BW	Modulation	RB Sizing	RB Offset	Low CH	Mid CH	High CH
				37775CH	38000CH	38225CH
				2572.5MHz	2595MHz	2617.5MHz
38 / 5MHz	QPSK	1	0	22.37	22.37	22.34
		1	13	22.26	22.34	22.30
		1	24	22.32	22.37	22.31
		12	0	21.34	21.39	21.34
		12	6	21.29	21.37	21.33
		12	11	21.26	21.36	21.31
		25	0	21.34	21.38	21.35
	16QAM	1	0	21.71	21.61	21.58
		1	13	21.62	21.58	21.56
		1	24	21.65	21.56	21.61
		12	0	20.42	20.39	20.25
		12	6	20.35	20.36	20.27
		12	11	20.34	20.35	20.25
		25	0	20.33	20.37	20.34
	64QAM	1	0	20.93	20.59	20.32
		1	13	20.81	20.58	20.32
		1	24	20.84	20.60	20.33
		12	0	19.42	19.33	19.24
		12	6	19.27	19.19	19.25
		12	11	19.36	19.22	19.24
		25	0	19.28	19.26	19.33

LTE Band / BW	Modulation	RB Sizing	RB Offset	Low CH	Mid CH	High CH
				37800CH	38000CH	38200CH
				2575MHz	2595MHz	2615MHz
38 / 10MHz	QPSK	1	0	22.29	22.44	22.28
		1	25	22.26	22.41	22.26
		1	49	22.32	22.37	22.31
		25	0	21.30	21.39	21.25
		25	13	21.32	21.37	21.28
		25	25	21.36	21.30	21.33
		50	0	21.33	21.36	21.30
	16QAM	1	0	21.63	21.75	21.69
		1	25	21.59	21.74	21.66
		1	49	21.63	21.70	21.69
		25	0	20.30	20.37	20.29
		25	13	20.31	20.37	20.30
		25	25	20.35	20.31	20.35
		50	0	20.34	20.35	20.31
	64QAM	1	0	20.15	20.85	20.49
		1	25	20.11	20.84	20.48
		1	49	20.16	20.80	20.51
		25	0	19.31	19.29	19.13
		25	13	19.31	19.38	19.18
		25	25	19.39	19.37	19.21
		50	0	19.28	19.22	19.21

LTE Band / BW	Modulation	RB Sizing	RB Offset	Low CH	Mid CH	High CH
				37825CH	38000CH	38175CH
				2577.5MHz	2595MHz	2612.5MHz
38 / 15MHz	QPSK	1	0	22.21	22.33	22.28
		1	38	22.28	22.39	22.27
		1	74	22.14	22.28	22.25
		36	0	21.27	21.33	21.24
		36	18	21.29	21.30	21.24
		36	39	21.25	21.26	21.24
		75	0	21.29	21.32	21.26
	16QAM	1	0	21.58	21.69	21.54
		1	38	21.63	21.74	21.54
		1	74	21.48	21.65	21.51
		36	0	20.27	20.31	20.28
		36	18	20.30	20.27	20.26
		36	39	20.27	20.28	20.29
		75	0	20.30	20.28	20.25
	64QAM	1	0	20.08	20.76	20.35
		1	38	20.14	20.81	20.34
		1	74	19.99	20.72	20.30
		36	0	19.29	19.35	19.20
		36	18	19.33	19.31	19.15
		36	39	19.31	19.31	19.18
		75	0	19.21	19.26	19.22

LTE Band / BW	Modulation	RB Sizing	RB Offset	Low CH	Mid CH	High CH
				37850CH	38000CH	38150CH
				2580MHz	2595MHz	2610MHz
38 / 20MHz	QPSK	1	0	22.22	22.36	22.29
		1	50	22.36	22.51	22.32
		1	99	22.22	22.35	22.22
		50	0	21.29	21.42	21.31
		50	25	21.32	21.40	21.30
		50	50	21.33	21.34	21.28
		100	0	21.30	21.35	21.27
	16QAM	1	0	21.57	21.36	21.77
		1	50	21.72	21.46	21.81
		1	99	21.56	21.32	21.71
		50	0	20.25	20.35	20.31
		50	25	20.30	20.35	20.30
		50	50	20.31	20.29	20.25
		100	0	20.29	20.31	20.27
	64QAM	1	0	20.36	20.55	20.75
		1	50	20.46	20.66	20.78
		1	99	20.32	20.51	20.71
		50	0	19.27	19.36	19.27
		50	25	19.29	19.33	19.17
		50	50	19.28	19.33	19.18
		100	0	19.26	19.31	19.21

Ant Gain(Ant 4)	0.008					
LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40065CH	40640CH	41215CH
				2537.5MHz	2595MHz	2652.5MHz
41 / 5MHz	QPSK	1	0	22.90	22.81	22.75
		1	13	22.86	22.78	22.74
		1	24	22.88	22.79	22.75
		12	0	21.86	21.81	21.79
		12	6	21.85	21.78	21.75
		12	11	21.87	21.76	21.74
		25	0	21.86	21.81	21.75
	16QAM	1	0	22.20	22.06	22.05
		1	13	22.19	22.03	22.03
		1	24	22.21	22.03	22.04
		12	0	20.92	20.81	20.71
		12	6	20.93	20.79	20.69
		12	11	20.93	20.77	20.69
		25	0	20.87	20.78	20.76
	64QAM	1	0	21.14	20.82	21.30
		1	13	21.12	20.81	21.23
		1	24	21.15	20.80	21.26
		12	0	19.76	19.76	19.82
		12	6	19.77	19.73	19.77
		12	11	19.76	19.70	19.79
		25	0	19.75	19.78	19.69

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40090CH	40640CH	41190CH
				2540MHz	2595MHz	2650MHz
41 / 10MHz	QPSK	1	0	22.79	22.89	22.74
		1	25	22.82	22.90	22.79
		1	49	22.84	22.85	22.76
		25	0	21.81	21.81	21.80
		25	13	21.86	21.80	21.78
		25	25	21.91	21.78	21.75
		50	0	21.88	21.82	21.81
	16QAM	1	0	22.14	22.19	22.13
		1	25	22.16	22.18	22.16
		1	49	22.16	22.14	22.12
		25	0	20.82	20.80	20.81
		25	13	20.87	20.78	20.80
		25	25	20.91	20.76	20.77
		50	0	20.85	20.78	20.81
	64QAM	1	0	20.64	21.30	20.94
		1	25	20.66	21.31	21.00
		1	49	20.67	21.26	20.94
		25	0	19.81	19.73	19.68
		25	13	19.85	19.71	19.66
		25	25	19.90	19.70	19.64
		50	0	19.80	19.71	19.72

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				40115CH	40640CH	41165CH
				2542.5MHz	2595MHz	2647.5MHz
41 / 15MHz	QPSK	1	0	22.74	22.86	22.76
		1	38	22.83	22.85	22.78
		1	74	22.74	22.74	22.71
		36	0	21.79	21.78	21.73
		36	18	21.82	21.77	21.77
		36	39	21.87	21.69	21.71
		75	0	21.83	21.76	21.78
	16QAM	1	0	22.11	22.21	21.99
		1	38	22.18	22.20	22.02
		1	74	22.06	22.10	21.93
		36	0	20.79	20.78	20.76
		36	18	20.83	20.75	20.79
		36	39	20.88	20.72	20.73
		75	0	20.85	20.76	20.73
	64QAM	1	0	20.61	21.29	20.78
		1	38	20.67	21.31	20.81
		1	74	20.60	21.18	20.75
		36	0	19.80	19.82	19.70
		36	18	19.85	19.79	19.69
		36	39	19.89	19.77	19.68
		75	0	19.75	19.76	19.73

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				40140CH	40640CH	41140CH
				2545MHz	2595MHz	2645MHz
41 / 20MHz	QPSK	1	0	22.88	22.77	22.67
		1	50	22.99	22.85	22.73
		1	99	22.87	22.71	22.65
		50	0	21.78	21.79	21.77
		50	25	21.87	21.82	21.79
		50	50	21.91	21.80	21.72
		100	0	21.81	21.79	21.77
	16QAM	1	0	22.08	21.83	22.20
		1	50	22.20	21.92	22.16
		1	99	22.07	21.77	22.18
		50	0	20.73	20.79	20.79
		50	25	20.82	20.78	20.77
		50	50	20.86	20.77	20.74
		100	0	20.79	20.76	20.73
	64QAM	1	0	21.30	20.82	20.99
		1	50	21.41	20.91	21.04
		1	99	21.26	20.78	20.93
		50	0	19.72	19.78	19.77
		50	25	19.81	19.80	19.77
		50	50	19.87	19.77	19.73
		100	0	19.77	19.74	19.75

Ant Gain(Ant 3)	-2.59					
LTE Band / BW	Modulation	RB Sizat	RB Offset	Low CH	Mid CH	High CH
				131979CH	132322CH	132665CH
				1710.7MHz	1745MHz	1779.3MHz
66 / 1.4MHz	QPSK	1	0	20.74	20.54	20.51
		1	2	20.71	20.53	20.50
		1	5	20.70	20.52	20.50
		3	0	20.57	20.55	20.57
		3	1	20.58	20.55	20.60
		3	2	20.59	20.50	20.59
	16QAM	6	0	19.62	19.56	19.60
		1	0	19.97	19.61	19.67
		1	2	19.95	19.59	19.68
		1	5	19.96	19.62	19.67
		3	0	19.81	19.76	19.61
		3	1	19.81	19.78	19.61
	64QAM	3	2	19.79	19.71	19.62
		6	0	18.48	18.73	18.68
		1	0	18.78	18.93	18.77
		1	2	18.77	18.96	18.78
		1	5	18.79	18.91	18.74
		3	0	18.54	18.86	18.65
		3	1	18.56	18.87	18.65
		3	2	18.55	18.84	18.67
		6	0	17.81	17.71	17.96

LTE Band / BW	Modulation	RB Sizat	RB Offset	Low CH	Mid CH	High CH
				131987CH	132322CH	132657CH
				1711.5MHz	1745MHz	1778.5MHz
66 / 3MHz	QPSK	1	0	20.54	20.58	20.55
		1	7	20.64	20.68	20.54
		1	14	20.65	20.54	20.50
		8	0	19.60	19.59	19.55
		8	4	19.59	19.57	19.56
		8	7	19.58	19.52	19.56
		15	0	19.60	19.53	19.58
	16QAM	1	0	19.52	19.97	19.61
		1	7	19.54	20.02	19.63
		1	14	19.51	19.99	19.58
		8	0	18.70	18.66	18.61
		8	4	18.69	18.64	18.62
		8	7	18.69	18.61	18.63
		15	0	18.63	18.56	18.54
	64QAM	1	0	18.83	18.85	18.73
		1	7	18.83	18.90	18.79
		1	14	18.79	18.84	18.80
		8	0	17.71	17.78	17.77
		8	4	17.71	17.76	17.76
		8	7	17.70	17.73	17.75
		15	0	17.76	17.66	17.74

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				131997CH	132322CH	132647CH
				1712.5MHz	1745MHz	1777.5MHz
66 / 5MHz	QPSK	1	0	20.77	20.69	20.66
		1	13	20.78	20.65	20.64
		1	24	20.78	20.66	20.66
		12	0	19.61	19.63	19.59
		12	6	19.59	19.60	19.56
		12	11	19.60	19.54	19.54
		25	0	19.63	19.57	19.58
	16QAM	1	0	19.93	20.17	19.86
		1	13	19.91	20.16	19.89
		1	24	19.92	20.16	19.93
		12	0	18.65	18.73	18.65
		12	6	18.65	18.71	18.61
		12	11	18.65	18.65	18.59
		25	0	18.64	18.64	18.60
	64QAM	1	0	18.55	18.88	18.74
		1	13	18.53	18.88	18.80
		1	24	18.59	18.87	18.82
		12	0	17.77	17.69	17.77
		12	6	17.77	17.66	17.73
		12	11	17.77	17.60	17.72
		25	0	17.74	17.67	17.72

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				132022CH	132322CH	132622CH
				1715MHz	1745MHz	1775MHz
66 / 10MHz	QPSK	1	0	20.58	20.53	20.52
		1	25	20.61	20.56	20.52
		1	49	20.62	20.52	20.52
		25	0	19.52	19.61	19.59
		25	13	19.59	19.54	19.58
		25	25	19.64	19.56	19.56
		50	0	19.64	19.61	19.64
	16QAM	1	0	19.52	19.95	19.54
		1	25	19.53	19.97	19.58
		1	49	19.55	19.94	19.54
		25	0	18.56	18.65	18.70
		25	13	18.63	18.59	18.69
		25	25	18.70	18.61	18.67
		50	0	18.61	18.60	18.63
	64QAM	1	0	18.89	18.75	18.71
		1	25	18.91	18.80	18.74
		1	49	18.93	18.70	18.69
		25	0	17.75	17.87	17.84
		25	13	17.83	17.79	17.81
		25	25	17.89	17.81	17.82
		50	0	17.79	17.81	17.78

LTE Band / BW	Modulation	RB Sizat	RB Offset	Low CH	Mid CH	High CH
				132047CH	132322CH	132597CH
				1717.5MHz	1745MHz	1772.5MHz
66 / 15MHz	QPSK	1	0	20.47	20.53	20.57
		1	38	20.56	20.56	20.65
		1	74	20.47	20.48	20.58
		36	0	19.48	19.63	19.63
		36	18	19.58	19.55	19.58
		36	39	19.61	19.52	19.57
		75	0	19.61	19.58	19.60
	16QAM	1	0	19.48	19.96	19.87
		1	38	19.56	19.97	19.95
		1	74	19.47	19.86	19.84
		36	0	18.51	18.68	18.62
		36	18	18.57	18.60	18.56
		36	39	18.60	18.59	18.56
		75	0	18.59	18.58	18.58
	64QAM	1	0	18.87	18.75	19.08
		1	38	18.94	18.73	19.13
		1	74	18.88	18.63	19.06
		36	0	17.71	17.86	17.75
		36	18	17.77	17.77	17.70
		36	39	17.82	17.76	17.70
		75	0	17.78	17.74	17.77

LTE Band / BW	Modulation	RB Sizat	RB Offset	Low CH	Mid CH	High CH
				132072CH	132322CH	132572CH
				1720MHz	1745MHz	1770MHz
66 / 20MHz	QPSK	1	0	20.63	20.71	20.47
		1	50	20.69	20.78	20.61
		1	99	20.60	20.56	20.48
		50	0	19.52	19.71	19.63
		50	25	19.61	19.65	19.61
		50	50	19.65	19.58	19.51
		100	0	19.58	19.61	19.56
	16QAM	1	0	20.02	20.15	19.82
		1	50	20.06	20.19	19.94
		1	99	19.99	20.01	19.79
		50	0	18.44	18.70	18.64
		50	25	18.56	18.62	18.61
		50	50	18.60	18.56	18.51
		100	0	18.53	18.61	18.57
	64QAM	1	0	18.85	19.13	18.56
		1	50	18.90	19.19	18.68
		1	99	18.80	19.04	18.57
		50	0	17.70	17.85	17.77
		50	25	17.83	17.76	17.76
		50	50	17.85	17.71	17.65
		100	0	17.77	17.72	17.71

Ant Gain(Ant 4)		-0.29		LTE CA_7C / Low Range								
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM	
10+20	20805	2505.5	20949	2519.9	1	49	1	0	20.56	19.86	17.84	
					1	0	1	99	11.82	12.17	12.19	
					50	0	100	0	18.81	17.8	17.77	
20+10	20850	2510	20994	2524.4	1	99	1	0	20.8	20.22	17.91	
					1	0	1	49	11.94	12.38	12.12	
					100	0	50	0	18.84	17.83	17.87	
15+10	20825	2507.5	20945	2519.5	1	74	1	0	20.87	20.52	18.2	
					1	0	1	49	12.09	12.8	12.49	
					75	0	50	0	18.9	17.9	17.96	
15+15	20825	2507.5	20975	2522.5	1	74	1	0	20.78	20.3	18.23	
					1	0	1	74	12.07	12.65	12.57	
					75	0	75	0	18.83	17.81	17.78	
15+20	20828	2507.8	20999	2524.9	1	74	1	0	20.87	20.36	18.32	
					1	0	1	99	12.1	12.55	12.49	
					75	0	100	0	18.83	17.88	17.87	
20+15	20850	2510	21021	2527.1	1	99	1	0	20.79	20.12	17.78	
					1	0	1	74	11.98	12.3	11.99	
					100	0	75	0	18.78	17.75	17.86	
20+20	20850	2510	21041	2529.8	1	99	1	0	20.73	20.05	18.08	
					1	0	1	99	11.68	12.2	12.1	
					100	0	100	0	18.79	17.75	17.82	

LTE CA_7C / Mid Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
10+20	21006	2525.6	21150	2540	1	49	1	0	20.85	20.54	18.15
					1	0	1	99	12.09	12.8	12.54
					50	0	100	0	19.09	18.07	18.1
20+10	21051	2530.1	21195	2544.5	1	99	1	0	20.82	20.48	17.82
					1	0	1	49	12.24	12.84	12.27
					100	0	50	0	19.12	18.14	18.13
15+10	21051	2530.1	21171	2542.1	1	74	1	0	21.02	20.67	18.35
					1	0	1	49	12.42	13.15	12.79
					75	0	50	0	19.14	18.17	18.19
15+15	21025	2527.5	21175	2542.5	1	74	1	0	21.03	20.55	18.5
					1	0	1	74	12.37	12.89	12.88
					75	0	75	0	19.24	18.15	18.19
15+20	21003	2525.3	21174	2542.4	1	74	1	0	21.04	20.54	18.43
					1	0	1	99	12.25	12.76	12.73
					75	0	100	0	19.1	18.08	18.12
20+15	21026	2527.6	21197	2544.7	1	99	1	0	20.97	20.37	18.04
					1	0	1	74	12.18	12.59	12.36
					100	0	75	0	19.18	18.23	18.2
20+20	21001	2525.1	21199	2544.9	1	99	1	0	20.97	20.39	18.12
					1	0	1	99	12.1	12.45	12.2
					100	0	100	0	19.14	18.12	18.11

LTE CA_7C / High Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
10+20	21206	2545.6	21350	2560	1	49	1	0	20.6	20.29	18
					1	0	1	99	12.06	12.86	12.44
					50	0	100	0	18.99	17.92	17.96
20+10	21251	2550.1	21395	2564.5	1	99	1	0	20.65	20.02	17.74
					1	0	1	49	12.21	12.62	12.29
					100	0	50	0	18.96	17.97	18.01
15+10	21277	2552.7	21397	2564.7	1	74	1	0	20.76	20.43	18.05
					1	0	1	49	12.41	13.08	12.7
					75	0	50	0	19.1	18.06	18.09
15+15	21225	2547.5	21375	2562.5	1	74	1	0	20.74	20.46	18.12
					1	0	1	74	12.27	13.02	12.67
					75	0	75	0	19.06	18.04	18.05
15+20	21179	2542.9	21350	2560	1	74	1	0	20.83	20.53	18.22
					1	0	1	99	12.14	12.87	12.56
					75	0	100	0	18.88	17.9	17.93
20+15	21201	2545.1	21372	2562.2	1	99	1	0	20.64	20.3	17.67
					1	0	1	74	12.07	12.72	12.1
					100	0	75	0	18.94	17.95	18
20+20	21152	2540.2	21350	2560	1	99	1	0	20.77	20.13	17.87
					1	0	1	99	12.16	12.47	12.19
					100	0	100	0	18.93	17.91	17.88

Ant Gain(Ant 4)	0.006
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LTE CA_38C / Low Range

Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
15+15	37825	2577.5	37975	2592.5	1	74	1	0	21.67	20.62	18.45
					1	0	1	74	12.96	12.63	13.48
					75	0	75	0	19.62	18.65	18.60
20+20	37850	2580	38048	2599.8	1	99	1	0	21.44	20.70	18.53
					1	0	1	99	12.50	12.80	12.68
					100	0	100	0	19.53	18.52	18.48

LTE CA_38C / Mid Range

Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
15+15	37925	2587.5	38075	2602.5	1	74	1	0	21.64	20.56	18.43
					1	0	1	74	12.89	12.94	13.02
					75	0	75	0	19.66	18.61	18.60
20+20	37901	2585.1	38099	2604.9	1	99	1	0	21.44	20.67	18.48
					1	0	1	99	12.54	12.81	12.70
					100	0	100	0	19.54	18.52	18.49

LTE CA_38C / High Range

Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
15+15	38025	2597.5	38175	2612.5	1	74	1	0	21.72	20.58	18.47
					1	0	1	74	12.89	12.86	13.00
					75	0	75	0	19.71	18.71	18.67
20+20	37952	2590.2	38150	2610	1	99	1	0	21.50	20.70	18.56
					1	0	1	99	12.56	12.87	12.20
					100	0	100	0	19.58	18.54	18.50

Ant Gain(Ant 4)		0.008		LTE CA_41C / Low Range								
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM	
5+20	39683	2499.3	39800	2511	1	24	1	0	22.07	21.07	19.02	
					1	0	1	99	13.39	13.26	13.85	
					25	0	100	0	20.16	19.11	19.15	
20+5	39750	2506	39867	2517.7	1	99	1	0	22.07	21.24	19.67	
					1	0	1	0	22.18	21.09	20.28	
					100	0	1	24	20.29	19.27	19.33	
10+15	39703	2501.3	39823	2513.3	1	49	1	0	22.15	21.05	19.03	
					1	0	1	74	13.36	13.73	13.66	
					50	0	75	0	20.25	19.21	19.10	
15+10	39725	2503.5	39845	2515.5	1	74	1	0	22.36	21.38	19.45	
					1	0	1	49	13.67	13.73	13.88	
					75	0	50	0	20.34	19.33	19.36	
10+20	39705	2501.5	39849	2515.9	1	49	1	0	22.15	21.04	19.02	
					1	0	1	99	13.31	13.39	13.48	
					50	0	100	0	20.19	19.15	19.18	
20+10	39750	2506	39894	2520.4	1	99	1	0	22.13	21.25	19.25	
					1	0	1	49	13.44	13.64	13.84	
					100	0	50	0	20.30	19.28	19.26	
15+15	39725	2503.5	39875	2518.5	1	74	1	0	22.44	21.33	19.18	
					1	0	1	74	13.56	13.49	13.85	
					75	0	75	0	20.32	19.28	19.27	
15+20	39728	2503.8	39899	2520.9	1	74	1	0	22.44	21.25	19.17	
					1	0	1	99	13.50	13.79	13.21	
					75	0	100	0	20.24	19.19	19.23	
20+15	39750	2506	39921	2523.1	1	99	1	0	22.19	21.44	19.22	
					1	0	1	74	13.30	13.12	13.65	
					100	0	75	0	20.28	19.27	19.30	
20+20	39750	2506	39948	2525.8	1	99	1	0	22.20	21.44	19.38	
					1	0	1	99	13.17	13.52	13.64	
					100	0	100	0	20.18	19.21	19.18	

LTE CA_41C / Mid Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
5+20	40528	2583.8	40645	2595.5	1	24	1	0	21.91	20.83	18.82
					1	0	1	99	13.14	13.67	13.66
					25	0	100	0	20.07	19.03	19.09
20+5	40595	2590.5	40712	2602.2	1	99	1	0	21.98	21.24	18.98
					1	0	1	0	13.40	13.62	13.69
					100	0	1	24	20.21	19.20	19.19
10+15	40549	2585.9	40669	2597.9	1	49	1	0	21.98	20.87	18.88
					1	0	1	74	13.19	13.47	13.22
					50	0	75	0	20.08	19.06	19.11
15+10	40571	2588.1	40691	2600.1	1	74	1	0	22.19	21.09	18.94
					1	0	1	49	13.44	13.67	13.52
					75	0	50	0	20.14	19.15	19.13
10+20	40526	2583.6	40670	2598	1	49	1	0	21.89	20.78	18.82
					1	0	1	99	13.17	13.51	13.22
					50	0	100	0	20.07	19.06	19.02
20+10	40571	2588.1	40715	2602.5	1	99	1	0	22.02	21.25	19.13
					1	0	1	49	13.33	13.49	13.70
					100	0	50	0	20.18	19.14	19.11
15+15	40545	2585.5	40695	2600.5	1	74	1	0	20.22	21.06	19.00
					1	0	1	74	13.43	13.44	13.94
					75	0	75	0	20.12	19.12	19.09
15+20	40523	2583.3	40694	2600.4	1	74	1	0	22.17	21.07	18.98
					1	0	1	99	13.31	13.53	13.27
					75	0	100	0	20.09	19.07	19.07
20+15	40546	2585.6	40717	2602.7	1	99	1	0	21.97	21.19	19.04
					1	0	1	74	13.09	12.86	12.87
					100	0	75	0	20.12	19.11	19.08
20+20	40521	2583.1	40719	2602.9	1	99	1	0	21.97	21.06	19.05
					1	0	1	99	12.94	12.83	13.29
					100	0	100	0	20.05	19.05	19.08

LTE CA_41C / High Range											
Bandwidth (MHz)	PCC CH	PCC Frequency (MHz)	SCC CH	SCC Frequency (MHz)	PCC RB Size	PCC Offset	SCC RB Size	SCC Offset	QPSK	16QAM	64QAM
5+20	41373	2668.3	41490	2680	1	24	1	0	21.93	20.90	18.86
					1	0	1	99	13.24	13.67	13.57
					25	0	100	0	20.09	19.08	19.11
20+5	41440	2675	41557	2686.7	1	99	1	0	21.83	21.07	18.92
					1	0	1	0	13.41	13.60	13.67
					100	0	1	24	20.19	19.19	19.15
10+15	41395	2670.5	41515	2682.5	1	49	1	0	21.94	20.82	18.80
					1	0	1	74	13.28	13.40	13.42
					50	0	75	0	20.15	19.13	19.15
15+10	41417	2672.7	41537	2684.7	1	74	1	0	22.08	20.97	18.88
					1	0	1	49	13.53	13.76	14.05
					75	0	50	0	20.20	19.23	19.18
10+20	41346	2665.6	41490	2680	1	49	1	0	21.95	20.84	18.82
					1	0	1	99	13.22	13.36	13.25
					50	0	100	0	20.10	19.07	19.12
20+10	41391	2670.1	41535	2684.5	1	99	1	0	21.84	20.96	18.92
					1	0	1	49	13.32	13.13	13.65
					100	0	50	0	20.19	19.21	19.19
15+15	41365	2667.5	41515	2682.5	1	74	1	0	22.13	21.13	19.15
					1	0	1	74	13.38	13.15	13.17
					75	0	75	0	20.19	19.19	19.18
15+20	41319	2662.9	41490	2680	1	74	1	0	22.19	21.08	18.90
					1	0	1	99	13.45	13.70	13.42
					75	0	100	0	20.17	19.19	19.18
20+15	41341	2665.1	41512	2682.2	1	99	1	0	20.88	20.13	19.02
					1	0	1	74	13.24	13.57	13.52
					100	0	75	0	20.19	19.22	19.20
20+20	41292	2660.2	41490	2680	1	99	1	0	21.92	21.10	19.14
					1	0	1	99	13.22	13.04	13.53
					100	0	100	0	20.22	19.17	19.23

Effective Radiated Power:

Ant Gain(Ant 0)	-6.51					
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23017CH	23095CH	23173CH
				699.7MHz	707.5MHz	715.3MHz
12 / 1.4MHz	QPSK	1	0	14.97	14.91	14.83
		1	2	15.02	14.93	14.86
		1	5	14.97	14.91	14.82
		3	0	14.92	14.91	14.91
		3	1	14.92	14.91	14.92
		3	2	14.91	14.89	14.94
		6	0	13.94	13.91	13.91
	16QAM	1	0	13.92	14.06	13.91
		1	2	13.96	14.07	13.91
		1	5	13.95	14.06	13.91
		3	0	14.09	13.97	14.05
		3	1	14.10	13.97	14.07
		3	2	14.07	13.96	14.04
		6	0	13.08	13.03	13.07
	64QAM	1	0	13.10	13.27	13.04
		1	2	13.12	13.31	13.06
		1	5	13.12	13.23	12.99
		3	0	12.87	13.20	12.98
		3	1	12.86	13.21	13.00
		3	2	12.86	13.19	13.00
		6	0	11.96	11.86	12.14

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23025CH	23095CH	23165CH
				700.5MHz	707.5MHz	714.5MHz
12 / 3MHz	QPSK	1	0	14.86	14.89	14.84
		1	7	14.89	14.96	14.85
		1	14	14.91	14.91	14.82
		8	0	13.90	13.88	13.86
		8	4	13.89	13.91	13.87
		8	7	13.87	13.87	13.85
		15	0	13.91	13.88	13.89
	16QAM	1	0	13.89	14.24	13.90
		1	7	13.84	14.33	13.94
		1	14	13.85	14.28	13.88
		8	0	13.03	12.95	12.95
		8	4	13.00	12.97	12.92
		8	7	13.01	12.96	12.92
		15	0	12.94	12.91	12.85
	64QAM	1	0	13.24	13.06	13.08
		1	7	13.23	13.14	13.07
		1	14	13.23	13.11	13.03
		8	0	11.94	11.91	11.81
		8	4	11.92	11.95	11.82
		8	7	11.92	11.91	11.83
		15	0	11.86	11.92	11.90

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23035CH	23095CH	23155CH
				701.5MHz	707.5MHz	713.5MHz
12 / 5MHz	QPSK	1	0	15.03	14.96	14.96
		1	13	15.00	14.97	14.93
		1	24	15.02	14.97	14.95
		12	0	13.89	13.91	13.94
		12	6	13.90	13.93	13.91
		12	11	13.93	13.87	13.88
		25	0	13.96	13.90	13.92
	16QAM	1	0	14.20	14.44	13.96
		1	13	14.18	14.48	13.95
		1	24	14.20	14.48	13.97
		12	0	12.97	12.97	12.99
		12	6	12.97	13.02	12.94
		12	11	12.99	12.98	12.91
		25	0	12.99	12.94	12.85
	64QAM	1	0	12.82	13.13	12.81
		1	13	12.82	13.16	12.79
		1	24	12.85	13.20	12.83
		12	0	11.91	11.93	11.93
		12	6	11.91	11.93	11.91
		12	11	11.93	11.90	11.88
		25	0	11.90	11.91	11.87

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23060CH	23095CH	23130CH
				704MHz	707.5MHz	711MHz
12 / 10MHz	QPSK	1	0	14.90	14.83	14.86
		1	25	14.91	14.93	14.94
		1	49	14.91	14.90	14.96
		25	0	13.84	13.86	14.00
		25	13	13.91	13.94	13.95
		25	25	13.99	13.80	13.90
		50	0	13.92	13.83	13.99
	16QAM	1	0	13.89	14.20	13.86
		1	25	13.87	14.31	13.92
		1	49	13.86	14.26	13.92
		25	0	12.87	12.86	13.08
		25	13	12.95	12.96	13.01
		25	25	13.02	12.83	12.98
		50	0	12.88	12.82	12.96
	64QAM	1	0	13.24	13.02	13.01
		1	25	13.21	13.16	13.10
		1	49	13.25	13.06	13.08
		25	0	11.84	11.90	12.06
		25	13	11.91	11.98	11.97
		25	25	12.00	11.86	11.94
		50	0	11.89	11.82	11.90

Ant Gain(Ant 0)	-6.51					
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				CH23205	CH23230	CH23255
				779.5MHz	782MHz	784.5MHz
13 / 5MHz	QPSK	1	0	15.29	15.29	15.19
		1	13	15.23	15.27	15.13
		1	24	15.27	15.28	15.21
		12	0	14.11	14.10	14.17
		12	6	14.12	14.15	14.12
		12	11	14.18	14.12	14.09
		25	0	14.19	14.13	14.11
	16QAM	1	0	14.32	14.35	14.68
		1	13	14.22	14.42	14.65
		1	24	14.28	14.45	14.69
		12	0	13.13	13.13	13.29
		12	6	13.14	13.20	13.26
		12	11	13.20	13.17	13.23
		25	0	13.14	13.16	13.18
	64QAM	1	0	13.53	13.37	13.10
		1	13	13.49	13.41	13.02
		1	24	13.52	13.44	13.11
		12	0	12.03	12.13	12.20
		12	6	12.03	12.18	12.17
		12	11	12.10	12.16	12.11
		25	0	12.13	12.14	12.09

LTE Band / BW	Modulation	RB Size	RB Offset	Mid CH
				CH23230
				782MHz
13 / 10MHz	QPSK	1	0	15.17
		1	25	15.17
		1	49	15.11
		25	0	13.97
		25	13	14.16
		25	25	14.11
		50	0	14.06
	16QAM	1	0	14.22
		1	25	14.22
		1	49	14.12
		25	0	13.11
		25	13	13.25
		25	25	13.19
		50	0	13.06
	64QAM	1	0	13.46
		1	25	13.52
		1	49	13.43
		25	0	11.99
		25	13	12.18
		25	25	12.13
		50	0	12.05

Ant Gain(Ant 0)	-6.51					
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23755CH	23790CH	23825CH
				706.5MHz	710MHz	713.5MHz
17 / 5MHz	QPSK	1	0	15.01	14.94	14.91
		1	13	14.98	14.88	14.89
		1	24	15.02	14.92	14.98
		12	0	13.83	13.91	13.89
		12	6	13.84	13.87	13.83
		12	11	13.84	13.80	13.81
		25	0	13.89	13.87	13.86
	16QAM	1	0	13.95	14.14	14.36
		1	13	13.92	14.07	14.37
		1	24	13.98	14.14	14.44
		12	0	12.85	12.91	13.01
		12	6	12.89	12.89	12.97
		12	11	12.88	12.83	12.92
		25	0	12.84	12.90	12.91
	64QAM	1	0	13.18	13.15	12.73
		1	13	13.19	13.10	12.74
		1	24	13.22	13.16	12.83
		12	0	11.74	11.95	11.90
		12	6	11.79	11.90	11.85
		12	11	11.81	11.85	11.82
		25	0	11.84	11.90	11.82

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23780CH	23790CH	23800CH
				709MHz	710MHz	711MHz
17 / 10MHz	QPSK	1	0	14.77	14.81	14.81
		1	25	14.85	14.87	14.84
		1	49	14.88	14.84	14.86
		25	0	13.89	13.89	13.97
		25	13	13.86	13.89	13.86
		25	25	13.74	13.79	13.83
		50	0	13.88	13.89	13.95
	16QAM	1	0	13.76	13.79	14.19
		1	25	13.85	13.83	14.22
		1	49	13.83	13.78	14.25
		25	0	12.87	12.94	13.01
		25	13	12.86	12.91	12.87
		25	25	12.78	12.81	12.85
		50	0	12.81	12.86	12.90
	64QAM	1	0	13.15	13.02	12.98
		1	25	13.26	13.06	13.03
		1	49	13.23	12.98	13.06
		25	0	11.95	11.98	12.06
		25	13	11.96	11.95	11.95
		25	25	11.83	11.85	11.88
		50	0	11.87	11.89	11.91

NOTE:

- (1) EIRP = Average power + Antenna gain.
- (2) ERP = EIRP - 2.15.
- (3) $P(W) = 1 W \cdot 10^{(P(dBm) / 10)} / 1000$

APPENDIX B OCCUPIED BANDWIDTH

WCDMA Band IV_WCDMA

QPSK

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
1312	1712.4	4.1393	1312	1712.4	4.665
1413	1732.6	4.1753	1413	1732.6	4.719
1513	1752.6	4.1938	1513	1752.6	4.699

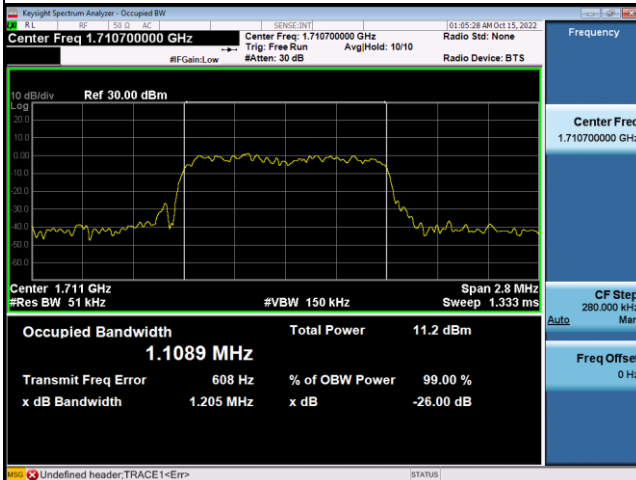
Spectrum Plot



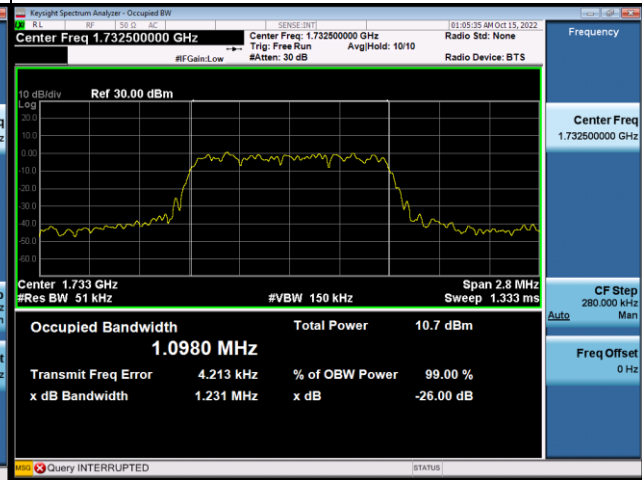
LTE Band 4_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.1089	19957	1710.7	1.205
20175	1732.5	1.0980	20175	1732.5	1.231
20393	1754.3	1.1005	20393	1754.3	1.219
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.1022	19957	1710.7	1.195
20175	1732.5	1.1063	20175	1732.5	1.237
20393	1754.3	1.1022	20393	1754.3	1.238
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.1032	19957	1710.7	1.231
20175	1732.5	1.1041	20175	1732.5	1.251
20393	1754.3	1.1035	20393	1754.3	1.248

Spectrum Plot

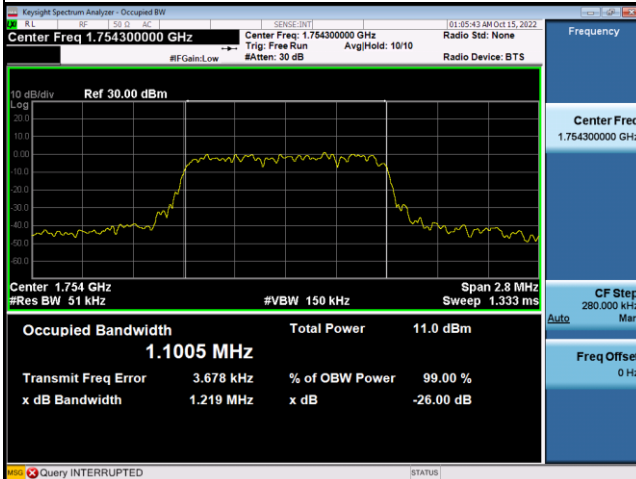
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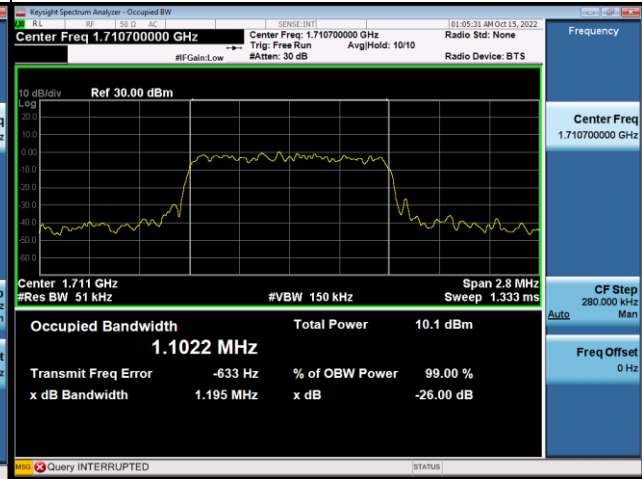
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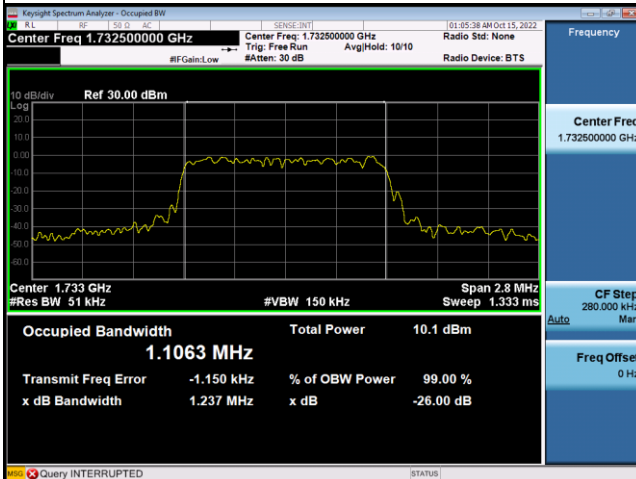
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16QAM-19957



16QAM-20175



16QAM-20393

