



LTE Band25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.85	0.193	22.88	0.194	22.81	0.191
20	QPSK	1	49	22.80	0.191	22.76	0.189	22.79	0.190
20	QPSK	1	99	22.59	0.182	22.65	0.184	22.74	0.188
20	QPSK	50	0	21.82	0.152	21.92	0.156	21.80	0.151
20	QPSK	50	24	21.76	0.150	21.77	0.150	21.83	0.152
20	QPSK	50	50	21.69	0.148	21.75	0.150	21.79	0.151
20	QPSK	100	0	21.82	0.152	21.90	0.155	21.84	0.153
20	16QAM	1	0	21.92	0.156	21.91	0.155	21.94	0.156
20	16QAM	1	49	21.86	0.153	21.86	0.153	21.93	0.156
20	16QAM	1	99	21.72	0.149	21.90	0.155	21.67	0.147
20	16QAM	50	0	20.80	0.120	20.88	0.122	20.95	0.124
20	16QAM	50	24	20.85	0.122	20.91	0.123	20.86	0.122
20	16QAM	50	50	20.88	0.122	20.93	0.124	20.91	0.123
20	16QAM	100	0	20.64	0.116	20.70	0.117	20.93	0.124
20	64QAM	1	0	20.74	0.119	20.70	0.117	20.77	0.119
20	64QAM	1	49	20.79	0.120	20.86	0.122	20.70	0.117
20	64QAM	1	99	20.70	0.117	20.81	0.121	20.92	0.124
20	64QAM	50	0	19.90	0.098	19.69	0.093	19.86	0.097
20	64QAM	50	24	19.84	0.096	19.77	0.095	19.75	0.094
20	64QAM	50	50	19.76	0.095	19.75	0.094	19.63	0.092
20	64QAM	100	0	19.70	0.093	19.75	0.094	19.72	0.094



LTE Band25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.81	0.191	22.86	0.193	22.74	0.188
15	QPSK	1	37	22.71	0.187	22.73	0.187	22.85	0.193
15	QPSK	1	74	22.59	0.182	22.76	0.189	22.79	0.190
15	QPSK	36	0	21.67	0.147	21.86	0.153	21.77	0.150
15	QPSK	36	20	21.88	0.154	21.84	0.153	21.79	0.151
15	QPSK	36	39	21.74	0.149	21.73	0.149	21.78	0.151
15	QPSK	75	0	21.50	0.141	21.73	0.149	21.74	0.149
15	16QAM	1	0	21.73	0.149	21.86	0.153	21.75	0.150
15	16QAM	1	37	21.80	0.151	21.63	0.146	21.82	0.152
15	16QAM	1	74	21.72	0.149	21.70	0.148	21.83	0.152
15	16QAM	36	0	20.86	0.122	20.81	0.121	20.81	0.121
15	16QAM	36	20	20.70	0.117	20.58	0.114	20.75	0.119
15	16QAM	36	39	20.84	0.121	20.84	0.121	20.81	0.121
15	16QAM	75	0	20.72	0.118	20.94	0.124	20.87	0.122
15	64QAM	1	0	20.90	0.123	20.75	0.119	20.67	0.117
15	64QAM	1	37	20.74	0.119	20.80	0.120	20.75	0.119
15	64QAM	1	74	20.68	0.117	20.82	0.121	20.78	0.120
15	64QAM	36	0	19.84	0.096	19.70	0.093	19.78	0.095
15	64QAM	36	20	19.74	0.094	19.75	0.094	19.74	0.094
15	64QAM	36	39	19.60	0.091	19.88	0.097	19.82	0.096
15	64QAM	75	0	19.80	0.095	19.72	0.094	19.67	0.093



LTE Band25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.70	0.186	22.85	0.193	22.75	0.188
10	QPSK	1	25	22.71	0.187	22.70	0.186	22.76	0.189
10	QPSK	1	49	22.84	0.192	22.72	0.187	22.64	0.184
10	QPSK	25	0	21.71	0.148	21.80	0.151	21.88	0.154
10	QPSK	25	12	21.77	0.150	21.85	0.153	21.69	0.148
10	QPSK	25	25	21.72	0.149	21.73	0.149	21.83	0.152
10	QPSK	50	0	21.67	0.147	21.73	0.149	21.65	0.146
10	16QAM	1	0	21.86	0.153	21.82	0.152	21.69	0.148
10	16QAM	1	25	21.95	0.157	21.69	0.148	21.82	0.152
10	16QAM	1	49	21.70	0.148	21.95	0.157	21.70	0.148
10	16QAM	25	0	20.75	0.119	20.79	0.120	20.87	0.122
10	16QAM	25	12	20.73	0.118	20.83	0.121	20.94	0.124
10	16QAM	25	25	20.73	0.118	20.86	0.122	20.69	0.117
10	16QAM	50	0	20.75	0.119	20.92	0.124	20.80	0.120
10	64QAM	1	0	20.75	0.119	20.84	0.121	20.84	0.121
10	64QAM	1	25	20.88	0.122	20.83	0.121	20.76	0.119
10	64QAM	1	49	20.87	0.122	20.74	0.119	20.62	0.115
10	64QAM	25	0	19.76	0.095	19.71	0.094	19.73	0.094
10	64QAM	25	12	19.79	0.095	19.88	0.097	19.79	0.095
10	64QAM	25	25	19.66	0.092	19.73	0.094	19.75	0.094
10	64QAM	50	0	19.77	0.095	19.87	0.097	19.72	0.094



LTE Band25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.62	0.183	22.81	0.191	22.64	0.184
5	QPSK	1	12	22.61	0.182	22.75	0.188	22.66	0.185
5	QPSK	1	24	22.55	0.180	22.51	0.178	22.71	0.187
5	QPSK	12	0	21.70	0.148	21.83	0.152	21.69	0.148
5	QPSK	12	7	21.73	0.149	21.74	0.149	21.80	0.151
5	QPSK	12	13	21.70	0.148	21.74	0.149	21.60	0.145
5	QPSK	25	0	21.59	0.144	21.72	0.149	21.79	0.151
5	16QAM	1	0	21.78	0.151	21.84	0.153	21.74	0.149
5	16QAM	1	12	21.85	0.153	21.77	0.150	21.76	0.150
5	16QAM	1	24	21.70	0.148	21.68	0.147	21.75	0.150
5	16QAM	12	0	20.87	0.122	20.90	0.123	20.81	0.121
5	16QAM	12	7	20.62	0.115	20.82	0.121	20.79	0.120
5	16QAM	12	13	20.73	0.118	20.64	0.116	20.70	0.117
5	16QAM	25	0	20.87	0.122	20.80	0.120	20.76	0.119
5	64QAM	1	0	20.92	0.124	20.93	0.124	20.72	0.118
5	64QAM	1	12	20.72	0.118	20.79	0.120	20.87	0.122
5	64QAM	1	24	20.83	0.121	20.91	0.123	20.85	0.122
5	64QAM	12	0	19.85	0.097	19.75	0.094	19.66	0.092
5	64QAM	12	7	19.80	0.095	19.82	0.096	19.71	0.094
5	64QAM	12	13	19.80	0.095	19.82	0.096	19.77	0.095
5	64QAM	25	0	19.75	0.094	19.83	0.096	19.79	0.095



LTE Band25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.80	0.191	22.84	0.192	22.75	0.188
3	QPSK	1	8	22.54	0.179	22.69	0.186	22.64	0.184
3	QPSK	1	14	22.77	0.189	22.82	0.191	22.58	0.181
3	QPSK	8	0	21.66	0.147	21.74	0.149	21.69	0.148
3	QPSK	8	4	21.75	0.150	21.77	0.150	21.75	0.150
3	QPSK	8	7	21.72	0.149	21.66	0.147	21.81	0.152
3	QPSK	15	0	21.65	0.146	21.68	0.147	21.75	0.150
3	16QAM	1	0	21.85	0.153	21.90	0.155	21.89	0.155
3	16QAM	1	8	21.70	0.148	21.78	0.151	21.87	0.154
3	16QAM	1	14	21.68	0.147	21.84	0.153	21.67	0.147
3	16QAM	8	0	20.83	0.121	20.84	0.121	20.86	0.122
3	16QAM	8	4	20.87	0.122	20.64	0.116	20.68	0.117
3	16QAM	8	7	20.78	0.120	20.61	0.115	20.85	0.122
3	16QAM	15	0	20.74	0.119	20.82	0.121	20.89	0.123
3	64QAM	1	0	20.79	0.120	20.87	0.122	20.82	0.121
3	64QAM	1	8	20.81	0.121	20.73	0.118	20.87	0.122
3	64QAM	1	14	20.72	0.118	20.80	0.120	20.62	0.115
3	64QAM	8	0	19.80	0.095	19.70	0.093	19.78	0.095
3	64QAM	8	4	19.76	0.095	19.75	0.094	19.71	0.094
3	64QAM	8	7	19.51	0.089	19.54	0.090	19.67	0.093
3	64QAM	15	0	19.68	0.093	19.68	0.093	19.85	0.097



LTE Band25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.80	0.191	22.83	0.192	22.72	0.187
1.4	QPSK	1	3	22.73	0.187	22.71	0.187	22.53	0.179
1.4	QPSK	1	5	22.76	0.189	22.68	0.185	22.57	0.181
1.4	QPSK	3	0	21.76	0.150	21.88	0.154	21.85	0.153
1.4	QPSK	3	1	21.80	0.151	21.63	0.146	21.82	0.152
1.4	QPSK	3	3	21.85	0.153	21.86	0.153	21.73	0.149
1.4	QPSK	6	0	21.69	0.148	21.79	0.151	21.90	0.155
1.4	16QAM	1	0	21.69	0.148	21.90	0.155	21.77	0.150
1.4	16QAM	1	3	21.76	0.150	21.78	0.151	21.91	0.155
1.4	16QAM	1	5	21.86	0.153	21.70	0.148	21.77	0.150
1.4	16QAM	3	0	20.75	0.119	21.05	0.127	21.16	0.131
1.4	16QAM	3	1	20.70	0.117	20.81	0.121	20.88	0.122
1.4	16QAM	3	3	20.82	0.121	20.88	0.122	20.89	0.123
1.4	16QAM	6	0	20.76	0.119	20.68	0.117	20.88	0.122
1.4	64QAM	1	0	20.66	0.116	20.94	0.124	20.65	0.116
1.4	64QAM	1	3	20.67	0.117	20.83	0.121	20.81	0.121
1.4	64QAM	1	5	20.79	0.120	20.82	0.121	20.73	0.118
1.4	64QAM	3	0	19.84	0.096	19.81	0.096	19.84	0.096
1.4	64QAM	3	1	19.76	0.095	19.77	0.095	19.75	0.094
1.4	64QAM	3	3	19.86	0.097	19.76	0.095	19.80	0.095
1.4	64QAM	6	0	19.68	0.093	19.75	0.094	19.83	0.096



LTE Band26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.48	0.089	19.30	0.085	19.42	0.087
15	QPSK	1	37	19.47	0.089	19.34	0.086	19.45	0.088
15	QPSK	1	74	19.30	0.085	19.30	0.085	19.33	0.086
15	QPSK	36	0	18.59	0.072	18.49	0.071	18.52	0.071
15	QPSK	36	20	18.57	0.072	18.40	0.069	18.47	0.070
15	QPSK	36	39	18.55	0.072	18.42	0.070	18.45	0.070
15	QPSK	75	0	18.44	0.070	18.49	0.071	18.54	0.071
15	16QAM	1	0	18.61	0.073	18.52	0.071	18.63	0.073
15	16QAM	1	37	18.38	0.069	18.50	0.071	18.55	0.072
15	16QAM	1	74	18.65	0.073	18.49	0.071	18.59	0.072
15	16QAM	36	0	17.60	0.058	17.64	0.058	17.66	0.058
15	16QAM	36	20	17.53	0.057	17.30	0.054	17.42	0.055
15	16QAM	36	39	17.60	0.058	17.56	0.057	17.60	0.058
15	16QAM	75	0	17.63	0.058	17.40	0.055	17.46	0.056
15	64QAM	1	0	17.58	0.057	17.42	0.055	17.52	0.056
15	64QAM	1	37	17.50	0.056	17.35	0.054	17.47	0.056
15	64QAM	1	74	17.51	0.056	17.39	0.055	17.47	0.056
15	64QAM	36	0	16.61	0.046	16.46	0.044	16.47	0.044
15	64QAM	36	20	16.53	0.045	16.30	0.043	16.42	0.044
15	64QAM	36	39	16.38	0.043	16.43	0.044	16.54	0.045
15	64QAM	75	0	16.59	0.046	16.61	0.046	16.69	0.047



LTE Band26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.36	0.086	19.41	0.087	19.43	0.088
10	QPSK	1	25	19.26	0.084	19.25	0.084	19.31	0.085
10	QPSK	1	49	19.26	0.084	19.25	0.084	19.33	0.086
10	QPSK	25	0	18.41	0.069	18.42	0.070	18.51	0.071
10	QPSK	25	12	18.46	0.070	18.45	0.070	18.48	0.070
10	QPSK	25	25	18.40	0.069	18.51	0.071	18.52	0.071
10	QPSK	50	0	18.49	0.071	18.50	0.071	18.61	0.073
10	16QAM	1	0	18.38	0.069	18.43	0.070	18.48	0.070
10	16QAM	1	25	18.41	0.069	18.34	0.068	18.43	0.070
10	16QAM	1	49	18.59	0.072	18.53	0.071	18.62	0.073
10	16QAM	25	0	17.49	0.056	17.49	0.056	17.59	0.057
10	16QAM	25	12	17.45	0.056	17.49	0.056	17.55	0.057
10	16QAM	25	25	17.40	0.055	17.46	0.056	17.48	0.056
10	16QAM	50	0	17.65	0.058	17.67	0.058	17.70	0.059
10	64QAM	1	0	17.30	0.054	17.36	0.054	17.42	0.055
10	64QAM	1	25	17.40	0.055	17.44	0.055	17.49	0.056
10	64QAM	1	49	17.58	0.057	17.56	0.057	17.67	0.058
10	64QAM	25	0	16.47	0.044	16.42	0.044	16.53	0.045
10	64QAM	25	12	16.68	0.047	16.72	0.047	16.73	0.047
10	64QAM	25	25	16.62	0.046	16.68	0.047	16.72	0.047
10	64QAM	50	0	16.66	0.046	16.65	0.046	16.73	0.047



LTE Band26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.37	0.086	19.35	0.086	19.40	0.087
5	QPSK	1	12	19.33	0.086	19.37	0.086	19.41	0.087
5	QPSK	1	24	19.33	0.086	19.32	0.086	19.43	0.088
5	QPSK	12	0	18.38	0.069	18.40	0.069	18.50	0.071
5	QPSK	12	7	18.43	0.070	18.43	0.070	18.52	0.071
5	QPSK	12	13	18.39	0.069	18.42	0.070	18.43	0.070
5	QPSK	25	0	18.43	0.070	18.40	0.069	18.49	0.071
5	16QAM	1	0	18.41	0.069	18.36	0.069	18.44	0.070
5	16QAM	1	12	18.50	0.071	18.44	0.070	18.54	0.071
5	16QAM	1	24	18.55	0.072	18.62	0.073	18.67	0.074
5	16QAM	12	0	17.58	0.057	17.57	0.057	17.61	0.058
5	16QAM	12	7	17.41	0.055	17.41	0.055	17.45	0.056
5	16QAM	12	13	17.42	0.055	17.40	0.055	17.50	0.056
5	16QAM	25	0	17.49	0.056	17.52	0.056	17.57	0.057
5	64QAM	1	0	17.43	0.055	17.52	0.056	17.55	0.057
5	64QAM	1	12	17.54	0.057	17.58	0.057	17.64	0.058
5	64QAM	1	24	17.33	0.054	17.41	0.055	17.44	0.055
5	64QAM	12	0	16.44	0.044	16.42	0.044	16.49	0.045
5	64QAM	12	7	16.49	0.045	16.51	0.045	16.60	0.046
5	64QAM	12	13	16.49	0.045	16.53	0.045	16.55	0.045
5	64QAM	25	0	16.41	0.044	16.48	0.044	16.51	0.045



LTE Band26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.31	0.085	19.34	0.086	19.37	0.086
3	QPSK	1	8	19.37	0.086	19.34	0.086	19.39	0.087
3	QPSK	1	14	19.27	0.085	19.21	0.083	19.33	0.086
3	QPSK	8	0	18.43	0.070	18.40	0.069	18.52	0.071
3	QPSK	8	4	18.56	0.072	18.58	0.072	18.63	0.073
3	QPSK	8	7	18.27	0.067	18.24	0.067	18.34	0.068
3	QPSK	15	0	18.38	0.069	18.34	0.068	18.41	0.069
3	16QAM	1	0	18.42	0.070	18.39	0.069	18.43	0.070
3	16QAM	1	8	18.69	0.074	18.70	0.074	18.75	0.075
3	16QAM	1	14	18.62	0.073	18.57	0.072	18.68	0.074
3	16QAM	8	0	17.52	0.056	17.56	0.057	17.58	0.057
3	16QAM	8	4	17.68	0.059	17.65	0.058	17.75	0.060
3	16QAM	8	7	17.49	0.056	17.48	0.056	17.60	0.058
3	16QAM	15	0	17.79	0.060	17.71	0.059	17.81	0.060
3	64QAM	1	0	17.57	0.057	17.57	0.057	17.61	0.058
3	64QAM	1	8	17.44	0.055	17.43	0.055	17.48	0.056
3	64QAM	1	14	17.55	0.057	17.55	0.057	17.67	0.058
3	64QAM	8	0	16.64	0.046	16.71	0.047	16.72	0.047
3	64QAM	8	4	16.64	0.046	16.65	0.046	16.69	0.047
3	64QAM	8	7	16.29	0.043	16.36	0.043	16.40	0.044
3	64QAM	15	0	16.49	0.045	16.51	0.045	16.59	0.046



LTE Band26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.34	0.086	19.38	0.087	19.39	0.087
1.4	QPSK	1	3	19.28	0.085	19.28	0.085	19.36	0.086
1.4	QPSK	1	5	19.31	0.085	19.37	0.086	19.39	0.087
1.4	QPSK	3	0	18.54	0.071	18.56	0.072	18.63	0.073
1.4	QPSK	3	1	18.59	0.072	18.54	0.071	18.65	0.073
1.4	QPSK	3	3	18.32	0.068	18.35	0.068	18.41	0.069
1.4	QPSK	6	0	18.46	0.070	18.39	0.069	18.49	0.071
1.4	16QAM	1	0	18.46	0.070	18.48	0.070	18.53	0.071
1.4	16QAM	1	3	18.40	0.069	18.45	0.070	18.49	0.071
1.4	16QAM	1	5	18.39	0.069	18.40	0.069	18.51	0.071
1.4	16QAM	3	0	17.47	0.056	17.41	0.055	17.49	0.056
1.4	16QAM	3	1	17.53	0.057	17.47	0.056	17.56	0.057
1.4	16QAM	3	3	17.20	0.052	17.25	0.053	17.27	0.053
1.4	16QAM	6	0	17.49	0.056	17.42	0.055	17.51	0.056
1.4	64QAM	1	0	17.27	0.053	17.30	0.054	17.38	0.055
1.4	64QAM	1	3	17.36	0.054	17.34	0.054	17.41	0.055
1.4	64QAM	1	5	17.39	0.055	17.34	0.054	17.45	0.056
1.4	64QAM	3	0	16.51	0.045	16.53	0.045	16.60	0.046
1.4	64QAM	3	1	16.49	0.045	16.41	0.044	16.51	0.045
1.4	64QAM	3	3	16.37	0.043	16.43	0.044	16.44	0.044
1.4	64QAM	6	0	16.59	0.046	16.63	0.046	16.66	0.046



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		27710		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	22.15	0.164	/	/
10	QPSK	1	25	/	/	22.13	0.163	/	/
10	QPSK	1	49	/	/	22.07	0.161	/	/
10	QPSK	25	0	/	/	21.16	0.131	/	/
10	QPSK	25	12	/	/	21.18	0.131	/	/
10	QPSK	25	25	/	/	21.11	0.129	/	/
10	QPSK	50	0	/	/	21.20	0.132	/	/
10	16QAM	1	0	/	/	21.15	0.130	/	/
10	16QAM	1	25	/	/	20.90	0.123	/	/
10	16QAM	1	49	/	/	20.97	0.125	/	/
10	16QAM	25	0	/	/	20.10	0.102	/	/
10	16QAM	25	12	/	/	19.89	0.097	/	/
10	16QAM	25	25	/	/	19.93	0.098	/	/
10	16QAM	50	0	/	/	19.93	0.098	/	/
10	64QAM	1	0	/	/	19.93	0.098	/	/
10	64QAM	1	25	/	/	20.04	0.101	/	/
10	64QAM	1	49	/	/	20.10	0.102	/	/
10	64QAM	25	0	/	/	19.05	0.080	/	/
10	64QAM	25	12	/	/	19.07	0.081	/	/
10	64QAM	25	25	/	/	19.11	0.081	/	/
10	64QAM	50	0	/	/	19.02	0.080	/	/



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				27685		27710		27735	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.00	0.158	22.11	0.163	22.08	0.161
5	QPSK	1	12	21.93	0.156	21.93	0.156	21.83	0.152
5	QPSK	1	24	21.98	0.158	21.94	0.156	21.88	0.154
5	QPSK	12	0	20.95	0.124	21.10	0.129	21.37	0.137
5	QPSK	12	7	21.04	0.127	21.09	0.129	20.99	0.126
5	QPSK	12	13	20.99	0.126	20.95	0.124	21.01	0.126
5	QPSK	25	0	20.95	0.124	21.19	0.132	20.94	0.124
5	16QAM	1	0	20.92	0.124	21.05	0.127	21.10	0.129
5	16QAM	1	12	20.99	0.126	21.12	0.129	21.07	0.128
5	16QAM	1	24	21.14	0.130	21.19	0.132	21.21	0.132
5	16QAM	12	0	20.15	0.104	20.05	0.101	20.06	0.101
5	16QAM	12	7	20.18	0.104	19.94	0.099	20.04	0.101
5	16QAM	12	13	20.10	0.102	19.89	0.097	19.95	0.099
5	16QAM	25	0	20.05	0.101	19.97	0.099	20.31	0.107
5	64QAM	1	0	20.07	0.102	20.07	0.102	20.22	0.105
5	64QAM	1	12	20.02	0.100	20.00	0.100	20.11	0.103
5	64QAM	1	24	19.98	0.100	20.07	0.102	20.21	0.105
5	64QAM	12	0	19.18	0.083	19.04	0.080	19.16	0.082
5	64QAM	12	7	19.13	0.082	19.03	0.080	19.12	0.082
5	64QAM	12	13	18.86	0.077	19.02	0.080	19.22	0.084
5	64QAM	25	0	19.07	0.081	19.05	0.080	19.12	0.082



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	26.90	0.490	26.98	0.499	26.75	0.473
20	QPSK	1	49	26.72	0.470	26.89	0.489	26.80	0.479
20	QPSK	1	99	26.69	0.467	26.85	0.484	26.67	0.465
20	QPSK	50	0	25.84	0.384	26.00	0.398	25.88	0.387
20	QPSK	50	24	25.73	0.374	25.98	0.396	25.75	0.376
20	QPSK	50	50	25.69	0.371	25.93	0.392	25.74	0.375
20	QPSK	100	0	25.81	0.381	25.90	0.389	25.78	0.378
20	16QAM	1	0	25.82	0.382	25.93	0.392	25.68	0.370
20	16QAM	1	49	25.86	0.385	25.85	0.385	25.79	0.379
20	16QAM	1	99	25.80	0.380	25.92	0.391	25.61	0.364
20	16QAM	50	0	24.87	0.307	24.99	0.316	24.82	0.303
20	16QAM	50	24	24.82	0.303	24.92	0.310	24.75	0.299
20	16QAM	50	50	24.71	0.296	24.94	0.312	24.77	0.300
20	16QAM	100	0	24.75	0.299	24.97	0.314	24.67	0.293
20	64QAM	1	0	24.74	0.298	24.93	0.311	24.74	0.298
20	64QAM	1	49	24.78	0.301	24.87	0.307	24.84	0.305
20	64QAM	1	99	24.85	0.305	24.90	0.309	24.79	0.301
20	64QAM	50	0	23.80	0.240	23.95	0.248	23.89	0.245
20	64QAM	50	24	23.88	0.244	23.94	0.248	23.95	0.248
20	64QAM	50	50	23.89	0.245	23.90	0.245	23.73	0.236
20	64QAM	100	0	23.82	0.241	23.93	0.247	23.80	0.240



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	26.86	0.485	26.96	0.497	26.79	0.478
15	QPSK	1	37	26.80	0.479	26.92	0.492	26.71	0.469
15	QPSK	1	74	26.79	0.478	26.81	0.480	26.78	0.476
15	QPSK	36	0	25.84	0.384	25.98	0.396	25.93	0.392
15	QPSK	36	20	25.79	0.379	25.73	0.374	25.84	0.384
15	QPSK	36	39	25.72	0.373	25.91	0.390	25.83	0.383
15	QPSK	75	0	25.79	0.379	25.93	0.392	25.84	0.384
15	16QAM	1	0	25.75	0.376	25.94	0.393	25.69	0.371
15	16QAM	1	37	25.94	0.393	25.90	0.389	25.82	0.382
15	16QAM	1	74	26.03	0.401	25.96	0.394	25.78	0.378
15	16QAM	36	0	24.77	0.300	24.93	0.311	24.84	0.305
15	16QAM	36	20	24.78	0.301	24.91	0.310	24.76	0.299
15	16QAM	36	39	24.92	0.310	24.77	0.300	24.71	0.296
15	16QAM	75	0	24.93	0.311	24.83	0.304	24.77	0.300
15	64QAM	1	0	24.80	0.302	24.80	0.302	24.81	0.303
15	64QAM	1	37	24.90	0.309	24.73	0.297	24.90	0.309
15	64QAM	1	74	24.81	0.303	24.90	0.309	24.89	0.308
15	64QAM	36	0	23.84	0.242	23.90	0.245	23.87	0.244
15	64QAM	36	20	23.81	0.240	23.97	0.249	23.86	0.243
15	64QAM	36	39	23.89	0.245	23.76	0.238	23.93	0.247
15	64QAM	75	0	23.82	0.241	23.86	0.243	23.85	0.243



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	26.77	0.475	26.97	0.498	26.89	0.489
10	QPSK	1	25	26.81	0.480	26.94	0.494	26.63	0.460
10	QPSK	1	49	26.74	0.472	26.77	0.475	26.77	0.475
10	QPSK	25	0	25.76	0.377	25.95	0.394	25.80	0.380
10	QPSK	25	12	25.73	0.374	25.89	0.388	25.80	0.380
10	QPSK	25	25	25.87	0.386	25.96	0.394	25.83	0.383
10	QPSK	50	0	25.81	0.381	25.83	0.383	25.89	0.388
10	16QAM	1	0	25.83	0.383	25.81	0.381	25.96	0.394
10	16QAM	1	25	25.91	0.390	25.79	0.379	25.79	0.379
10	16QAM	1	49	25.74	0.375	25.73	0.374	25.68	0.370
10	16QAM	25	0	24.82	0.303	24.94	0.312	24.79	0.301
10	16QAM	25	12	24.74	0.298	24.93	0.311	24.65	0.292
10	16QAM	25	25	24.90	0.309	24.73	0.297	24.90	0.309
10	16QAM	50	0	24.85	0.305	24.67	0.293	24.99	0.316
10	64QAM	1	0	24.96	0.313	24.81	0.303	24.70	0.295
10	64QAM	1	25	24.79	0.301	24.97	0.314	24.95	0.313
10	64QAM	1	49	24.75	0.299	24.69	0.294	24.75	0.299
10	64QAM	25	0	23.96	0.249	23.90	0.245	23.92	0.247
10	64QAM	25	12	23.84	0.242	23.93	0.247	23.81	0.240
10	64QAM	25	25	23.85	0.243	23.94	0.248	23.89	0.245
10	64QAM	50	0	23.89	0.245	23.93	0.247	23.81	0.240



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	26.83	0.482	26.94	0.494	26.88	0.488
5	QPSK	1	12	26.86	0.485	26.76	0.474	26.82	0.481
5	QPSK	1	24	26.88	0.488	26.96	0.497	26.95	0.495
5	QPSK	12	0	25.77	0.378	26.02	0.400	25.74	0.375
5	QPSK	12	7	25.86	0.385	25.96	0.394	25.93	0.392
5	QPSK	12	13	25.82	0.382	25.88	0.387	25.86	0.385
5	QPSK	25	0	25.74	0.375	25.94	0.393	25.87	0.386
5	16QAM	1	0	25.94	0.393	26.01	0.399	25.84	0.384
5	16QAM	1	12	25.64	0.366	25.91	0.390	25.93	0.392
5	16QAM	1	24	26.02	0.400	25.95	0.394	25.61	0.364
5	16QAM	12	0	24.74	0.298	25.02	0.318	24.91	0.310
5	16QAM	12	7	24.93	0.311	24.76	0.299	24.85	0.305
5	16QAM	12	13	24.96	0.313	24.81	0.303	24.91	0.310
5	16QAM	25	0	24.76	0.299	24.79	0.301	24.92	0.310
5	64QAM	1	0	24.94	0.312	24.82	0.303	24.99	0.316
5	64QAM	1	12	25.00	0.316	24.97	0.314	24.85	0.305
5	64QAM	1	24	24.78	0.301	24.97	0.314	24.81	0.303
5	64QAM	12	0	23.84	0.242	23.95	0.248	23.75	0.237
5	64QAM	12	7	23.76	0.238	23.86	0.243	23.78	0.239
5	64QAM	12	13	23.76	0.238	23.98	0.250	23.84	0.242
5	64QAM	25	0	23.73	0.236	23.85	0.243	23.76	0.238



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.05	0.320	25.23	0.333	25.08	0.322
20	QPSK	1	49	24.98	0.315	25.17	0.329	25.09	0.323
20	QPSK	1	99	24.95	0.313	25.11	0.324	25.15	0.327
20	QPSK	50	0	24.23	0.265	24.36	0.273	24.14	0.259
20	QPSK	50	24	23.99	0.251	24.16	0.261	24.09	0.256
20	QPSK	50	50	24.04	0.254	24.21	0.264	24.24	0.265
20	QPSK	100	0	24.01	0.252	24.20	0.263	24.15	0.260
20	16QAM	1	0	24.27	0.267	24.29	0.269	23.94	0.248
20	16QAM	1	49	23.89	0.245	24.26	0.267	24.19	0.262
20	16QAM	1	99	23.11	0.205	24.13	0.259	24.02	0.252
20	16QAM	50	0	23.12	0.205	23.25	0.211	23.13	0.206
20	16QAM	50	24	23.20	0.209	23.21	0.209	23.17	0.207
20	16QAM	50	50	23.05	0.202	23.10	0.204	23.17	0.207
20	16QAM	100	0	23.03	0.201	23.15	0.207	23.16	0.207
20	64QAM	1	0	23.13	0.206	23.18	0.208	22.92	0.196
20	64QAM	1	49	23.23	0.210	23.15	0.207	23.00	0.200
20	64QAM	1	99	23.15	0.207	23.10	0.204	22.94	0.197
20	64QAM	50	0	22.14	0.164	22.29	0.169	22.35	0.172
20	64QAM	50	24	22.20	0.166	22.25	0.168	22.06	0.161
20	64QAM	50	50	22.06	0.161	22.19	0.166	22.10	0.162
20	64QAM	100	0	22.03	0.160	22.15	0.164	22.12	0.163



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	25.15	0.327	25.20	0.331	25.11	0.324
15	QPSK	1	37	25.06	0.321	25.15	0.327	25.10	0.324
15	QPSK	1	74	25.07	0.321	25.09	0.323	25.12	0.325
15	QPSK	36	0	23.97	0.249	24.26	0.267	24.27	0.267
15	QPSK	36	20	24.16	0.261	24.21	0.264	24.24	0.265
15	QPSK	36	39	23.94	0.248	24.04	0.254	24.04	0.254
15	QPSK	75	0	24.13	0.259	23.98	0.250	24.18	0.262
15	16QAM	1	0	23.95	0.248	23.93	0.247	23.87	0.244
15	16QAM	1	37	24.09	0.256	24.12	0.258	24.18	0.262
15	16QAM	1	74	24.04	0.254	23.92	0.247	23.86	0.243
15	16QAM	36	0	22.97	0.198	23.25	0.211	23.14	0.206
15	16QAM	36	20	23.13	0.206	23.07	0.203	23.02	0.200
15	16QAM	36	39	23.12	0.205	23.13	0.206	23.24	0.211
15	16QAM	75	0	23.15	0.207	23.14	0.206	23.14	0.206
15	64QAM	1	0	23.09	0.204	23.19	0.208	22.91	0.195
15	64QAM	1	37	23.06	0.202	23.00	0.200	22.83	0.192
15	64QAM	1	74	22.98	0.199	23.22	0.210	22.99	0.199
15	64QAM	36	0	22.33	0.171	22.19	0.166	22.25	0.168
15	64QAM	36	20	22.14	0.164	22.19	0.166	22.26	0.168
15	64QAM	36	39	22.13	0.163	22.00	0.158	22.06	0.161
15	64QAM	75	0	22.13	0.163	22.21	0.166	22.20	0.166



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	25.01	0.317	25.21	0.332	24.90	0.309
10	QPSK	1	25	25.08	0.322	25.13	0.326	25.15	0.327
10	QPSK	1	49	25.00	0.316	25.09	0.323	25.04	0.319
10	QPSK	25	0	24.25	0.266	24.34	0.272	24.12	0.258
10	QPSK	25	12	24.11	0.258	24.19	0.262	24.04	0.254
10	QPSK	25	25	23.98	0.250	24.01	0.252	24.02	0.252
10	QPSK	50	0	24.15	0.260	24.28	0.268	23.98	0.250
10	16QAM	1	0	24.11	0.258	24.18	0.262	24.04	0.254
10	16QAM	1	25	23.83	0.242	24.19	0.262	24.02	0.252
10	16QAM	1	49	24.17	0.261	23.89	0.245	24.05	0.254
10	16QAM	25	0	23.00	0.200	23.18	0.208	23.25	0.211
10	16QAM	25	12	23.13	0.206	23.14	0.206	23.03	0.201
10	16QAM	25	25	23.28	0.213	23.01	0.200	22.98	0.199
10	16QAM	50	0	23.15	0.207	22.95	0.197	23.04	0.201
10	64QAM	1	0	23.03	0.201	23.14	0.206	22.99	0.199
10	64QAM	1	25	23.16	0.207	23.13	0.206	23.07	0.203
10	64QAM	1	49	23.17	0.207	23.10	0.204	23.02	0.200
10	64QAM	25	0	22.10	0.162	22.22	0.167	22.23	0.167
10	64QAM	25	12	22.18	0.165	22.15	0.164	22.16	0.164
10	64QAM	25	25	22.08	0.161	21.91	0.155	22.13	0.163
10	64QAM	50	0	22.07	0.161	22.24	0.167	21.96	0.157



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	25.05	0.320	25.21	0.332	24.97	0.314
5	QPSK	1	12	24.98	0.315	25.13	0.326	25.11	0.324
5	QPSK	1	24	25.06	0.321	25.10	0.324	25.10	0.324
5	QPSK	12	0	24.06	0.255	24.22	0.264	24.22	0.264
5	QPSK	12	7	23.93	0.247	24.08	0.256	24.27	0.267
5	QPSK	12	13	24.01	0.252	24.03	0.253	24.08	0.256
5	QPSK	25	0	24.02	0.252	24.01	0.252	24.23	0.265
5	16QAM	1	0	24.11	0.258	24.17	0.261	24.02	0.252
5	16QAM	1	12	24.11	0.258	24.22	0.264	24.16	0.261
5	16QAM	1	24	24.07	0.255	24.09	0.256	24.05	0.254
5	16QAM	12	0	23.22	0.210	23.17	0.207	23.17	0.207
5	16QAM	12	7	23.08	0.203	22.87	0.194	23.08	0.203
5	16QAM	12	13	23.06	0.202	23.05	0.202	23.22	0.210
5	16QAM	25	0	22.89	0.195	22.92	0.196	22.90	0.195
5	64QAM	1	0	23.07	0.203	23.17	0.207	23.13	0.206
5	64QAM	1	12	23.28	0.213	23.15	0.207	23.07	0.203
5	64QAM	1	24	23.19	0.208	23.00	0.200	22.99	0.199
5	64QAM	12	0	22.14	0.164	22.16	0.164	22.24	0.167
5	64QAM	12	7	22.16	0.164	22.11	0.163	22.07	0.161
5	64QAM	12	13	22.10	0.162	22.12	0.163	22.07	0.161
5	64QAM	25	0	21.98	0.158	21.96	0.157	22.10	0.162



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.49	0.141	21.64	0.146	21.49	0.141
20	QPSK	1	49	21.39	0.138	21.41	0.138	21.38	0.137
20	QPSK	1	99	21.53	0.142	21.60	0.145	21.49	0.141
20	QPSK	50	0	20.59	0.115	20.67	0.117	20.64	0.116
20	QPSK	50	24	20.56	0.114	20.61	0.115	20.59	0.115
20	QPSK	50	50	20.48	0.112	20.44	0.111	20.58	0.114
20	QPSK	100	0	20.54	0.113	20.49	0.112	20.49	0.112
20	16QAM	1	0	20.57	0.114	20.69	0.117	20.64	0.116
20	16QAM	1	49	20.54	0.113	20.52	0.113	20.62	0.115
20	16QAM	1	99	20.50	0.112	20.73	0.118	20.60	0.115
20	16QAM	50	0	19.62	0.092	19.66	0.092	19.62	0.092
20	16QAM	50	24	19.48	0.089	19.63	0.092	19.68	0.093
20	16QAM	50	50	19.68	0.093	19.70	0.093	19.70	0.093
20	16QAM	100	0	19.49	0.089	19.55	0.090	19.56	0.090
20	64QAM	1	0	19.40	0.087	19.64	0.092	19.62	0.092
20	64QAM	1	49	19.71	0.094	19.68	0.093	19.65	0.092
20	64QAM	1	99	19.64	0.092	19.66	0.092	19.51	0.089
20	64QAM	50	0	18.48	0.070	18.68	0.074	18.56	0.072
20	64QAM	50	24	18.51	0.071	18.60	0.072	18.46	0.070
20	64QAM	50	50	18.55	0.072	18.55	0.072	18.71	0.074
20	64QAM	100	0	18.62	0.073	18.66	0.073	18.63	0.073



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.55	0.143	21.60	0.145	21.61	0.145
15	QPSK	1	37	21.43	0.139	21.57	0.144	21.48	0.141
15	QPSK	1	74	21.50	0.141	21.49	0.141	21.40	0.138
15	QPSK	36	0	20.58	0.114	20.57	0.114	20.52	0.113
15	QPSK	36	20	20.67	0.117	20.71	0.118	20.63	0.116
15	QPSK	36	39	20.69	0.117	20.63	0.116	20.69	0.117
15	QPSK	75	0	20.48	0.112	20.50	0.112	20.51	0.112
15	16QAM	1	0	20.62	0.115	20.75	0.119	20.49	0.112
15	16QAM	1	37	20.57	0.114	20.39	0.109	20.62	0.115
15	16QAM	1	74	20.49	0.112	20.51	0.112	20.48	0.112
15	16QAM	36	0	19.68	0.093	19.55	0.090	19.78	0.095
15	16QAM	36	20	19.66	0.092	19.67	0.093	19.56	0.090
15	16QAM	36	39	19.62	0.092	19.56	0.090	19.59	0.091
15	16QAM	75	0	19.53	0.090	19.52	0.090	19.66	0.092
15	64QAM	1	0	19.66	0.092	19.44	0.088	19.34	0.086
15	64QAM	1	37	19.45	0.088	19.54	0.090	19.55	0.090
15	64QAM	1	74	19.53	0.090	19.56	0.090	19.49	0.089
15	64QAM	36	0	18.60	0.072	18.65	0.073	18.52	0.071
15	64QAM	36	20	18.52	0.071	18.64	0.073	18.78	0.076
15	64QAM	36	39	18.60	0.072	18.33	0.068	18.54	0.071
15	64QAM	75	0	18.72	0.074	18.58	0.072	18.57	0.072



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.45	0.140	21.62	0.145	21.59	0.144
10	QPSK	1	25	21.56	0.143	21.40	0.138	21.46	0.140
10	QPSK	1	49	21.40	0.138	21.38	0.137	21.54	0.143
10	QPSK	25	0	20.69	0.117	20.61	0.115	20.72	0.118
10	QPSK	25	12	20.64	0.116	20.46	0.111	20.62	0.115
10	QPSK	25	25	20.50	0.112	20.53	0.113	20.59	0.115
10	QPSK	50	0	20.60	0.115	20.63	0.116	20.45	0.111
10	16QAM	1	0	20.69	0.117	20.62	0.115	20.39	0.109
10	16QAM	1	25	20.49	0.112	20.71	0.118	20.62	0.115
10	16QAM	1	49	20.43	0.110	20.48	0.112	20.65	0.116
10	16QAM	25	0	19.74	0.094	19.68	0.093	19.60	0.091
10	16QAM	25	12	19.57	0.091	19.64	0.092	19.72	0.094
10	16QAM	25	25	19.62	0.092	19.58	0.091	19.55	0.090
10	16QAM	50	0	19.67	0.093	19.68	0.093	19.65	0.092
10	64QAM	1	0	19.46	0.088	19.54	0.090	19.36	0.086
10	64QAM	1	25	19.53	0.090	19.52	0.090	19.45	0.088
10	64QAM	1	49	19.68	0.093	19.57	0.091	19.62	0.092
10	64QAM	25	0	18.48	0.070	18.71	0.074	18.48	0.070
10	64QAM	25	12	18.61	0.073	18.73	0.075	18.58	0.072
10	64QAM	25	25	18.38	0.069	18.44	0.070	18.61	0.073
10	64QAM	50	0	18.75	0.075	18.51	0.071	18.77	0.075



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.49	0.141	21.61	0.145	21.60	0.145
5	QPSK	1	12	21.52	0.142	21.46	0.140	21.44	0.139
5	QPSK	1	24	21.51	0.142	21.35	0.136	21.50	0.141
5	QPSK	12	0	20.65	0.116	20.66	0.116	20.70	0.117
5	QPSK	12	7	20.77	0.119	20.68	0.117	20.69	0.117
5	QPSK	12	13	20.65	0.116	20.36	0.109	20.54	0.113
5	QPSK	25	0	20.52	0.113	20.74	0.119	20.56	0.114
5	16QAM	1	0	20.64	0.116	20.67	0.117	20.48	0.112
5	16QAM	1	12	20.69	0.117	20.38	0.109	20.58	0.114
5	16QAM	1	24	20.65	0.116	20.55	0.114	20.72	0.118
5	16QAM	12	0	19.80	0.095	19.78	0.095	19.60	0.091
5	16QAM	12	7	19.43	0.088	19.34	0.086	19.66	0.092
5	16QAM	12	13	19.56	0.090	19.45	0.088	19.60	0.091
5	16QAM	25	0	19.50	0.089	19.41	0.087	19.71	0.094
5	64QAM	1	0	19.57	0.091	19.69	0.093	19.39	0.087
5	64QAM	1	12	19.52	0.090	19.60	0.091	19.57	0.091
5	64QAM	1	24	19.50	0.089	19.60	0.091	19.70	0.093
5	64QAM	12	0	18.78	0.076	18.45	0.070	18.41	0.069
5	64QAM	12	7	18.39	0.069	18.62	0.073	18.74	0.075
5	64QAM	12	13	18.47	0.070	18.44	0.070	18.69	0.074
5	64QAM	25	0	18.63	0.073	18.49	0.071	18.67	0.074



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.43	0.139	21.60	0.145	21.57	0.144
3	QPSK	1	8	21.38	0.137	21.45	0.140	21.55	0.143
3	QPSK	1	14	21.55	0.143	21.33	0.136	21.49	0.141
3	QPSK	8	0	20.59	0.115	20.60	0.115	20.72	0.118
3	QPSK	8	4	20.60	0.115	20.65	0.116	20.57	0.114
3	QPSK	8	7	20.56	0.114	20.68	0.117	20.65	0.116
3	QPSK	15	0	20.29	0.107	20.58	0.114	20.41	0.110
3	16QAM	1	0	20.53	0.113	20.68	0.117	20.74	0.119
3	16QAM	1	8	20.65	0.116	20.67	0.117	20.56	0.114
3	16QAM	1	14	20.72	0.118	20.58	0.114	20.51	0.112
3	16QAM	8	0	19.81	0.096	19.50	0.089	19.70	0.093
3	16QAM	8	4	19.60	0.091	19.68	0.093	19.70	0.093
3	16QAM	8	7	19.66	0.092	19.48	0.089	19.75	0.094
3	16QAM	15	0	19.53	0.090	19.43	0.088	19.78	0.095
3	64QAM	1	0	19.55	0.090	19.50	0.089	19.58	0.091
3	64QAM	1	8	19.49	0.089	19.68	0.093	19.50	0.089
3	64QAM	1	14	19.70	0.093	19.71	0.094	19.63	0.092
3	64QAM	8	0	18.63	0.073	18.71	0.074	18.54	0.071
3	64QAM	8	4	18.46	0.070	18.58	0.072	18.40	0.069
3	64QAM	8	7	18.62	0.073	18.52	0.071	18.72	0.074
3	64QAM	15	0	18.58	0.072	18.67	0.074	18.61	0.073



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.51	0.142	21.62	0.145	21.51	0.142
1.4	QPSK	1	3	21.61	0.145	21.41	0.138	21.38	0.137
1.4	QPSK	1	5	21.53	0.142	21.43	0.139	21.57	0.144
1.4	QPSK	3	0	20.46	0.111	20.65	0.116	20.67	0.117
1.4	QPSK	3	1	20.51	0.112	20.71	0.118	20.64	0.116
1.4	QPSK	3	3	20.70	0.117	20.53	0.113	20.64	0.116
1.4	QPSK	6	0	20.33	0.108	20.42	0.110	20.65	0.116
1.4	16QAM	1	0	20.70	0.117	20.65	0.116	20.44	0.111
1.4	16QAM	1	3	20.50	0.112	20.67	0.117	20.69	0.117
1.4	16QAM	1	5	20.69	0.117	20.70	0.117	20.51	0.112
1.4	16QAM	3	0	19.64	0.092	19.67	0.093	19.61	0.091
1.4	16QAM	3	1	19.42	0.087	19.43	0.088	19.74	0.094
1.4	16QAM	3	3	19.59	0.091	19.49	0.089	19.57	0.091
1.4	16QAM	6	0	19.39	0.087	19.50	0.089	19.55	0.090
1.4	64QAM	1	0	19.49	0.089	19.43	0.088	19.61	0.091
1.4	64QAM	1	3	19.45	0.088	19.74	0.094	19.78	0.095
1.4	64QAM	1	5	19.60	0.091	19.56	0.090	19.39	0.087
1.4	64QAM	3	0	18.53	0.071	18.61	0.073	18.42	0.070
1.4	64QAM	3	1	18.50	0.071	18.54	0.071	18.63	0.073
1.4	64QAM	3	3	18.39	0.069	18.40	0.069	18.39	0.069
1.4	64QAM	6	0	18.58	0.072	18.42	0.070	18.64	0.073



LTE Band71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.53	0.057	17.56	0.057	17.51	0.056
20	QPSK	1	49	17.49	0.056	17.48	0.056	17.43	0.055
20	QPSK	1	99	17.46	0.056	17.44	0.055	17.50	0.056
20	QPSK	50	0	16.55	0.045	16.67	0.046	16.62	0.046
20	QPSK	50	24	16.50	0.045	16.57	0.045	16.45	0.044
20	QPSK	50	50	16.46	0.044	16.44	0.044	16.31	0.043
20	QPSK	100	0	16.49	0.045	16.58	0.045	16.50	0.045
20	16QAM	1	0	16.63	0.046	16.68	0.047	16.51	0.045
20	16QAM	1	49	16.47	0.044	16.51	0.045	16.51	0.045
20	16QAM	1	99	16.31	0.043	16.38	0.043	16.57	0.045
20	16QAM	50	0	15.55	0.036	15.57	0.036	15.74	0.037
20	16QAM	50	24	15.47	0.035	15.52	0.036	15.63	0.037
20	16QAM	50	50	15.49	0.035	15.34	0.034	15.63	0.037
20	16QAM	100	0	15.57	0.036	15.55	0.036	15.71	0.037
20	64QAM	1	0	15.61	0.036	15.58	0.036	15.52	0.036
20	64QAM	1	49	15.54	0.036	15.59	0.036	15.53	0.036
20	64QAM	1	99	15.52	0.036	15.69	0.037	15.59	0.036
20	64QAM	50	0	14.67	0.029	14.50	0.028	14.51	0.028
20	64QAM	50	24	14.36	0.027	14.54	0.028	14.41	0.028
20	64QAM	50	50	14.51	0.028	14.54	0.028	14.46	0.028
20	64QAM	100	0	14.66	0.029	14.48	0.028	14.52	0.028



LTE Band71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.47	0.056	17.52	0.056	17.43	0.055
15	QPSK	1	37	17.51	0.056	17.47	0.056	17.39	0.055
15	QPSK	1	74	17.50	0.056	17.21	0.053	17.46	0.056
15	QPSK	36	0	16.45	0.044	16.73	0.047	16.63	0.046
15	QPSK	36	20	16.65	0.046	16.61	0.046	16.63	0.046
15	QPSK	36	39	16.63	0.046	16.49	0.045	16.59	0.046
15	QPSK	75	0	16.32	0.043	16.36	0.043	16.54	0.045
15	16QAM	1	0	16.52	0.045	16.67	0.046	16.50	0.045
15	16QAM	1	37	16.57	0.045	16.41	0.044	16.43	0.044
15	16QAM	1	74	16.35	0.043	16.50	0.045	16.51	0.045
15	16QAM	36	0	15.48	0.035	15.37	0.034	15.53	0.036
15	16QAM	36	20	15.53	0.036	15.50	0.035	15.48	0.035
15	16QAM	36	39	15.51	0.036	15.51	0.036	15.59	0.036
15	16QAM	75	0	15.35	0.034	15.38	0.035	15.56	0.036
15	64QAM	1	0	15.57	0.036	15.47	0.035	15.32	0.034
15	64QAM	1	37	15.57	0.036	15.53	0.036	15.51	0.036
15	64QAM	1	74	15.40	0.035	15.72	0.037	15.47	0.035
15	64QAM	36	0	14.60	0.029	14.52	0.028	14.37	0.027
15	64QAM	36	20	14.56	0.029	14.48	0.028	14.70	0.030
15	64QAM	36	39	14.40	0.028	14.41	0.028	14.44	0.028
15	64QAM	75	0	14.54	0.028	14.47	0.028	14.61	0.029



LTE Band71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.52	0.056	17.54	0.057	17.51	0.056
10	QPSK	1	25	17.35	0.054	17.45	0.056	17.36	0.054
10	QPSK	1	49	17.40	0.055	17.44	0.055	17.45	0.056
10	QPSK	25	0	16.40	0.044	16.58	0.045	16.53	0.045
10	QPSK	25	12	16.72	0.047	16.39	0.044	16.59	0.046
10	QPSK	25	25	16.52	0.045	16.39	0.044	16.57	0.045
10	QPSK	50	0	16.48	0.044	16.55	0.045	16.52	0.045
10	16QAM	1	0	16.71	0.047	16.54	0.045	16.63	0.046
10	16QAM	1	25	16.68	0.047	16.49	0.045	16.52	0.045
10	16QAM	1	49	16.40	0.044	16.41	0.044	16.64	0.046
10	16QAM	25	0	15.67	0.037	15.55	0.036	15.74	0.037
10	16QAM	25	12	15.52	0.036	15.57	0.036	15.49	0.035
10	16QAM	25	25	15.55	0.036	15.51	0.036	15.38	0.035
10	16QAM	50	0	15.41	0.035	15.52	0.036	15.55	0.036
10	64QAM	1	0	15.58	0.036	15.60	0.036	15.31	0.034
10	64QAM	1	25	15.64	0.037	15.50	0.035	15.55	0.036
10	64QAM	1	49	15.42	0.035	15.59	0.036	15.46	0.035
10	64QAM	25	0	14.67	0.029	14.55	0.029	14.37	0.027
10	64QAM	25	12	14.39	0.027	14.42	0.028	14.66	0.029
10	64QAM	25	25	14.45	0.028	14.53	0.028	14.55	0.029
10	64QAM	50	0	14.67	0.029	14.39	0.027	14.44	0.028



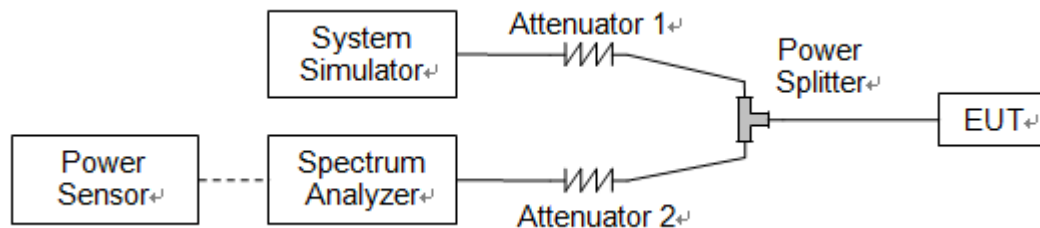
LTE Band71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.49	0.056	17.52	0.056	17.48	0.056
5	QPSK	1	12	17.44	0.055	17.47	0.056	17.50	0.056
5	QPSK	1	24	17.35	0.054	17.38	0.055	17.43	0.055
5	QPSK	12	0	16.54	0.045	16.45	0.044	16.42	0.044
5	QPSK	12	7	16.38	0.043	16.53	0.045	16.46	0.044
5	QPSK	12	13	16.37	0.043	16.56	0.045	16.57	0.045
5	QPSK	25	0	16.41	0.044	16.62	0.046	16.49	0.045
5	16QAM	1	0	16.67	0.046	16.79	0.048	16.58	0.045
5	16QAM	1	12	16.57	0.045	16.37	0.043	16.44	0.044
5	16QAM	1	24	16.42	0.044	16.63	0.046	16.37	0.043
5	16QAM	12	0	15.52	0.036	15.68	0.037	15.66	0.037
5	16QAM	12	7	15.62	0.036	15.48	0.035	15.55	0.036
5	16QAM	12	13	15.53	0.036	15.43	0.035	15.44	0.035
5	16QAM	25	0	15.45	0.035	15.47	0.035	15.65	0.037
5	64QAM	1	0	15.54	0.036	15.47	0.035	15.55	0.036
5	64QAM	1	12	15.39	0.035	15.64	0.037	15.50	0.035
5	64QAM	1	24	15.41	0.035	15.52	0.036	15.33	0.034
5	64QAM	12	0	14.58	0.029	14.63	0.029	14.50	0.028
5	64QAM	12	7	14.36	0.027	14.53	0.028	14.41	0.028
5	64QAM	12	13	14.37	0.027	14.50	0.028	14.39	0.027
5	64QAM	25	0	14.65	0.029	14.59	0.029	14.34	0.027

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result

LTEBand 2				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	2.99
	Low	64QAM	2.70	2.98
	Mid	QPSK	2.72	2.89
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	2.99
	High	16QAM	2.70	2.99
	High	64QAM	2.70	2.98
5	Low	QPSK	4.50	5.01
	Low	16QAM	4.49	5.01
	Low	64QAM	4.45	4.81
	Mid	QPSK	4.50	5.04
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.51	5.02
	High	QPSK	4.50	5.01
	High	16QAM	4.50	5.03
	High	64QAM	4.51	5.02
10	Low	QPSK	8.99	9.82
	Low	16QAM	8.93	9.56
	Low	64QAM	8.98	9.84
	Mid	QPSK	9.00	9.84
	Mid	16QAM	8.95	9.81
	Mid	64QAM	8.97	9.89
	High	QPSK	9.00	9.84
	High	16QAM	8.96	9.81
	High	64QAM	8.98	9.91



15	Low	QPSK	13.45	14.56
	Low	16QAM	13.42	14.66
	Low	64QAM	13.40	14.77
	Mid	QPSK	13.48	14.66
	Mid	16QAM	13.45	14.71
	Mid	64QAM	13.43	14.73
	High	QPSK	13.50	14.80
	High	16QAM	13.52	14.69
	High	64QAM	13.49	14.81
20	Low	QPSK	17.87	19.40
	Low	16QAM	17.90	19.44
	Low	64QAM	17.88	19.25
	Mid	QPSK	17.95	19.46
	Mid	16QAM	17.97	19.52
	Mid	64QAM	17.94	19.53
	High	QPSK	18.00	19.44
	High	16QAM	18.04	19.51
	High	64QAM	18.01	18.95

LTEBand 4				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.70	2.98
	High	QPSK	2.70	2.99
	High	16QAM	2.70	2.99
	High	64QAM	2.70	2.95
5	Low	QPSK	4.50	5.02
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.80
	Mid	QPSK	4.51	5.04
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.51	4.99
	High	QPSK	4.51	5.03
	High	16QAM	4.51	5.02
	High	64QAM	4.51	5.00
10	Low	QPSK	9.01	9.88
	Low	16QAM	8.93	9.53
	Low	64QAM	8.99	9.87
	Mid	QPSK	9.00	9.87
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.97	9.84
	High	QPSK	9.01	9.89
	High	16QAM	8.96	9.88
	High	64QAM	8.99	9.84



15	Low	QPSK	13.47	14.72
	Low	16QAM	13.48	14.79
	Low	64QAM	13.45	14.69
	Mid	QPSK	13.45	14.69
	Mid	16QAM	13.45	14.73
	Mid	64QAM	13.44	14.76
	High	QPSK	13.49	14.66
	High	16QAM	13.48	14.67
	High	64QAM	13.45	14.71
20	Low	QPSK	17.92	19.50
	Low	16QAM	17.96	19.50
	Low	64QAM	17.94	19.49
	Mid	QPSK	17.92	19.52
	Mid	16QAM	17.93	19.46
	Mid	64QAM	17.95	19.50
	High	QPSK	17.96	19.52
	High	16QAM	17.96	19.42
	High	64QAM	17.98	19.20

LTEBand 5				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.09	1.30
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.30
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.70	3.01
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	2.98
	High	16QAM	2.70	2.97
	High	64QAM	2.71	2.99
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	4.99
	Low	64QAM	4.52	5.00
	Mid	QPSK	4.50	5.05
	Mid	16QAM	4.51	5.02
	Mid	64QAM	4.52	5.49
	High	QPSK	4.50	5.00
	High	16QAM	4.50	5.02
	High	64QAM	4.51	5.01
10	Low	QPSK	9.01	9.93
	Low	16QAM	8.98	9.88
	Low	64QAM	8.99	9.91
	Mid	QPSK	8.98	9.86
	Mid	16QAM	8.94	9.78
	Mid	64QAM	8.96	9.89
	High	QPSK	8.99	9.89
	High	16QAM	8.96	9.77
	High	64QAM	8.99	9.98



LTEBand 7				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.12
	Low	16QAM	4.51	5.04
	Low	64QAM	4.51	5.01
	Mid	QPSK	4.51	5.04
	Mid	16QAM	4.51	5.03
	Mid	64QAM	4.52	5.03
	High	QPSK	4.52	5.03
	High	16QAM	4.52	5.01
	High	64QAM	4.52	5.05
10	Low	QPSK	9.02	9.93
	Low	16QAM	8.97	9.81
	Low	64QAM	8.99	9.89
	Mid	QPSK	9.01	10.15
	Mid	16QAM	8.99	9.93
	Mid	64QAM	8.99	9.89
	High	QPSK	9.01	9.99
	High	16QAM	8.98	9.90
	High	64QAM	8.99	9.87
15	Low	QPSK	13.50	14.79
	Low	16QAM	13.48	14.71
	Low	64QAM	13.46	14.77
	Mid	QPSK	13.54	16.08
	Mid	16QAM	13.50	14.79
	Mid	64QAM	13.46	14.72
	High	QPSK	13.47	14.82
	High	16QAM	13.49	14.84
	High	64QAM	13.45	14.75
20	Low	QPSK	17.97	19.65
	Low	16QAM	18.01	19.34
	Low	64QAM	17.97	19.58
	Mid	QPSK	18.01	19.72
	Mid	16QAM	18.03	19.60
	Mid	64QAM	17.99	19.55
	High	QPSK	17.99	19.62
	High	16QAM	17.99	19.57
	High	64QAM	17.97	19.59

LTEBand 12				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.28
	Mid	QPSK	1.10	1.30
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.31
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.29
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	2.99
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.71	2.98
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.70	2.96
5	Low	QPSK	4.50	5.04
	Low	16QAM	4.50	5.00
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.50	4.75
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.50	4.99
	High	QPSK	4.50	5.02
	High	16QAM	4.50	4.99
	High	64QAM	4.50	5.00
10	Low	QPSK	8.98	9.77
	Low	16QAM	8.94	9.78
	Low	64QAM	9.01	9.42
	Mid	QPSK	9.03	9.94
	Mid	16QAM	8.98	9.86
	Mid	64QAM	9.00	9.90
	High	QPSK	9.01	9.97
	High	16QAM	8.96	9.84
	High	64QAM	8.98	10.04



LTEBand 13				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	5.00
	Low	16QAM	4.48	4.95
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.51	5.04
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.52	5.03
	High	QPSK	4.51	5.01
	High	16QAM	4.51	5.03
	High	64QAM	4.52	5.01
10	Mid	QPSK	8.97	9.87
	Mid	16QAM	8.94	9.82
	Mid	64QAM	8.96	9.84

LTEBand 17				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	4.51	5.05
	Low	16QAM	4.52	5.33
	Low	64QAM	4.51	4.99
	Mid	QPSK	4.51	5.03
	Mid	16QAM	4.51	5.13
	Mid	64QAM	4.51	5.03
	High	QPSK	4.51	5.00
	High	16QAM	4.47	4.80
	High	64QAM	4.50	4.97
3	Low	QPSK	9.01	9.86
	Low	16QAM	8.98	10.17
	Low	64QAM	8.99	9.91
	Mid	QPSK	9.01	9.88
	Mid	16QAM	8.98	10.10
	Mid	64QAM	9.00	10.37
	High	QPSK	8.98	10.25
	High	16QAM	8.96	10.42
	High	64QAM	8.97	10.03



LTEBand 18				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.50	4.98
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.51	5.05
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.51	5.02
	High	QPSK	4.51	5.02
	High	16QAM	4.50	4.98
	High	64QAM	4.51	5.01



LTEBand 19				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.04
	Low	16QAM	4.51	5.03
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.50	5.04
	Mid	16QAM	4.50	5.01
	Mid	64QAM	4.51	5.00
	High	QPSK	4.51	5.05
	High	16QAM	4.51	4.99
	High	64QAM	4.52	5.02
10	Low	QPSK	8.97	9.90
	Low	16QAM	8.95	9.78
	Low	64QAM	8.97	9.90
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.94	9.79
	Mid	64QAM	8.97	9.83
	High	QPSK	8.98	9.85
	High	16QAM	8.96	9.87
	High	64QAM	8.98	9.90
15	Low	QPSK	13.43	14.70
	Low	16QAM	13.44	14.71
	Low	64QAM	13.42	14.68
	Mid	QPSK	13.44	14.64
	Mid	16QAM	13.44	14.59
	Mid	64QAM	13.42	14.73
	High	QPSK	13.43	14.67
	High	16QAM	13.44	14.72
	High	64QAM	13.42	14.77

LTEBand 25				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.28
	High	QPSK	1.11	1.47
	High	16QAM	1.11	1.55
	High	64QAM	1.11	1.31
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.71	3.00
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.98
	High	QPSK	2.72	3.24
	High	16QAM	2.71	3.06
	High	64QAM	2.71	2.96
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.51	5.01
	Low	64QAM	4.51	5.05
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.98
	High	QPSK	4.52	5.08
	High	16QAM	4.50	4.99
	High	64QAM	4.52	4.99
10	Low	QPSK	9.00	9.87
	Low	16QAM	8.94	9.74
	Low	64QAM	8.96	9.83
	Mid	QPSK	8.99	9.87
	Mid	16QAM	8.95	9.85
	Mid	64QAM	8.96	9.82
	High	QPSK	8.94	9.72
	High	16QAM	8.92	9.79
	High	64QAM	8.93	9.83



15	Low	QPSK	13.42	14.69
	Low	16QAM	13.43	14.71
	Low	64QAM	13.39	14.66
	Mid	QPSK	13.47	14.60
	Mid	16QAM	13.44	14.81
	Mid	64QAM	13.43	14.79
	High	QPSK	13.46	14.58
	High	16QAM	13.42	14.68
	High	64QAM	13.40	14.75
20	Low	QPSK	17.88	19.43
	Low	16QAM	17.87	19.38
	Low	64QAM	17.88	19.57
	Mid	QPSK	17.93	19.43
	Mid	16QAM	17.94	19.46
	Mid	64QAM	17.95	19.54
	High	QPSK	17.96	19.41
	High	16QAM	17.93	19.46
	High	64QAM	17.95	19.48

LTEBand 26				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.29
3	Low	QPSK	2.70	2.97
	Low	16QAM	2.70	2.98
	Low	64QAM	2.70	2.98
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.70	2.97
	High	QPSK	2.70	2.98
	High	16QAM	2.70	2.97
	High	64QAM	2.70	2.97
5	Low	QPSK	4.51	5.04
	Low	16QAM	4.50	4.97
	Low	64QAM	4.51	5.02
	Mid	QPSK	4.49	5.01
	Mid	16QAM	4.50	5.02
	Mid	64QAM	4.50	5.03
	High	QPSK	4.50	5.00
	High	16QAM	4.46	4.82
	High	64QAM	4.51	5.00
10	Low	QPSK	9.02	9.91
	Low	16QAM	8.98	9.86
	Low	64QAM	9.00	9.92
	Mid	QPSK	8.98	9.85
	Mid	16QAM	8.94	9.81
	Mid	64QAM	8.94	9.82
	High	QPSK	9.01	9.89
	High	16QAM	8.97	9.81
	High	64QAM	8.98	9.90



15	Low	QPSK	13.49	14.69
	Low	16QAM	13.49	14.77
	Low	64QAM	13.47	14.77
	Mid	QPSK	13.45	14.63
	Mid	16QAM	13.44	14.75
	Mid	64QAM	13.43	14.65
	High	QPSK	13.47	14.65
	High	16QAM	13.45	14.74
	High	64QAM	13.43	14.70

LTEBand 30				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	4.98
	Low	64QAM	4.50	5.02
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.51	5.04
	Mid	64QAM	4.50	5.01
	High	QPSK	4.51	5.02
	High	16QAM	4.51	5.00
	High	64QAM	4.52	5.00
10	Mid	QPSK	9.00	9.79
	Mid	16QAM	8.95	9.82
	Mid	64QAM	8.97	9.88



LTEBand 41				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.04
	Low	16QAM	4.51	5.06
	Low	64QAM	4.52	4.96
	Mid	QPSK	4.50	5.05
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.51	4.94
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.98
	High	64QAM	4.52	4.96
10	Low	QPSK	8.97	9.81
	Low	16QAM	8.96	10.23
	Low	64QAM	8.98	9.84
	Mid	QPSK	8.98	9.91
	Mid	16QAM	8.97	10.30
	Mid	64QAM	8.98	9.76
	High	QPSK	8.99	10.03
	High	16QAM	8.96	10.20
	High	64QAM	8.95	9.78
15	Low	QPSK	13.49	14.65
	Low	16QAM	13.48	14.66
	Low	64QAM	13.45	14.59
	Mid	QPSK	13.46	14.70
	Mid	16QAM	13.48	14.73
	Mid	64QAM	13.43	14.78
	High	QPSK	13.46	14.57
	High	16QAM	13.48	14.64
	High	64QAM	13.45	14.67
20	Low	QPSK	17.92	19.43
	Low	16QAM	17.93	19.75
	Low	64QAM	17.93	19.91
	Mid	QPSK	17.93	19.94
	Mid	16QAM	17.95	21.10
	Mid	64QAM	17.95	19.97
	High	QPSK	17.95	20.65
	High	16QAM	17.95	20.47
	High	64QAM	17.93	19.97

LTEBand 66				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.30
	High	16QAM	1.10	1.31
	High	64QAM	1.10	1.30
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.70	2.96
	High	QPSK	2.70	2.99
	High	16QAM	2.71	2.99
	High	64QAM	2.70	2.98
5	Low	QPSK	4.50	5.04
	Low	16QAM	4.51	4.99
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.50	5.04
	Mid	16QAM	4.50	5.01
	Mid	64QAM	4.50	5.04
	High	QPSK	4.50	5.04
	High	16QAM	4.51	5.03
	High	64QAM	4.50	5.01
10	Low	QPSK	8.99	9.90
	Low	16QAM	8.96	9.78
	Low	64QAM	8.97	9.84
	Mid	QPSK	8.98	9.88
	Mid	16QAM	8.96	9.82
	Mid	64QAM	8.98	9.89
	High	QPSK	8.99	9.85
	High	16QAM	8.96	9.84
	High	64QAM	8.98	9.86

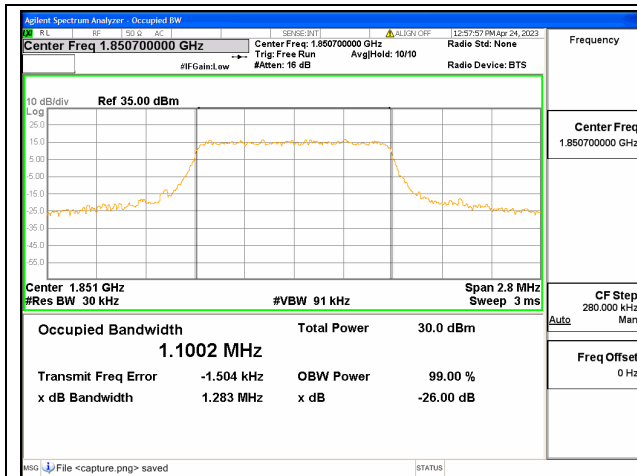


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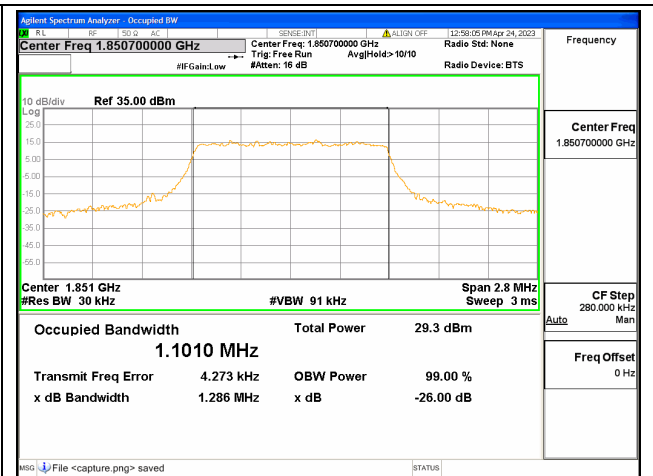
15	Low	QPSK	13.47	14.72
	Low	16QAM	13.48	14.76
	Low	64QAM	13.45	14.67
	Mid	QPSK	13.47	14.76
	Mid	16QAM	13.48	14.77
	Mid	64QAM	13.46	14.76
	High	QPSK	13.46	14.65
	High	16QAM	13.45	14.69
	High	64QAM	13.43	14.72
20	Low	QPSK	17.94	19.53
	Low	16QAM	17.97	19.48
	Low	64QAM	17.94	19.48
	Mid	QPSK	17.96	19.51
	Mid	16QAM	17.98	19.55
	Mid	64QAM	17.97	19.50
	High	QPSK	17.95	19.47
	High	16QAM	17.96	19.45
	High	64QAM	17.92	19.62



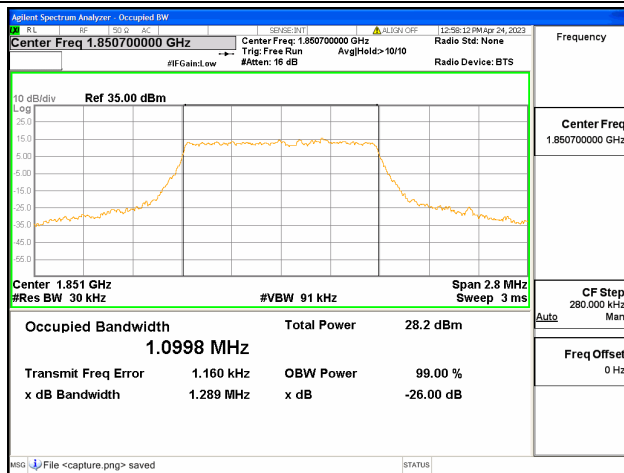
LTEBand 71				
BW(MHz)	ChannelLevel	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.50	4.94
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.51	5.03
	Mid	16QAM	4.50	5.02
	Mid	64QAM	4.51	4.97
	High	QPSK	4.51	5.04
	High	16QAM	4.51	4.99
	High	64QAM	4.52	5.00
10	Low	QPSK	8.97	9.87
	Low	16QAM	8.96	9.81
	Low	64QAM	8.97	9.89
	Mid	QPSK	8.97	9.80
	Mid	16QAM	8.95	9.81
	Mid	64QAM	8.97	9.87
	High	QPSK	8.99	9.85
	High	16QAM	8.95	9.86
	High	64QAM	8.98	9.88
15	Low	QPSK	13.45	14.69
	Low	16QAM	13.46	14.77
	Low	64QAM	13.45	14.78
	Mid	QPSK	13.45	14.68
	Mid	16QAM	13.46	14.65
	Mid	64QAM	13.43	14.75
	High	QPSK	13.46	14.64
	High	16QAM	13.45	14.82
	High	64QAM	13.44	14.72
20	Low	QPSK	17.89	19.40
	Low	16QAM	17.92	19.40
	Low	64QAM	17.93	19.42
	Mid	QPSK	17.95	19.49
	Mid	16QAM	17.95	19.42
	Mid	64QAM	17.92	19.54
	High	QPSK	17.97	19.42
	High	16QAM	17.96	19.51
	High	64QAM	17.96	19.58



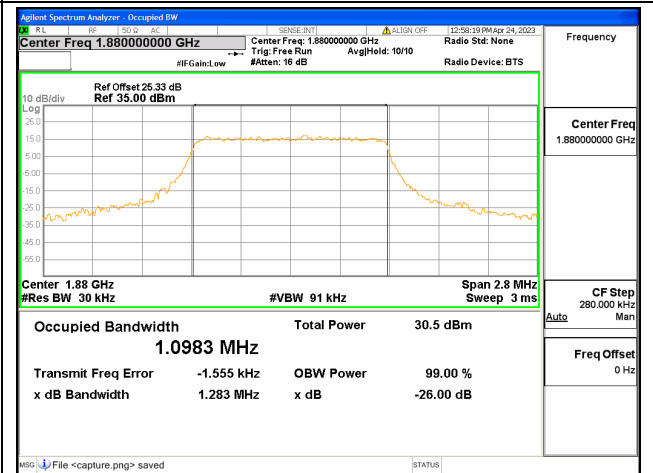
Band2 / 1.4MHz / QPSK/ Low CH



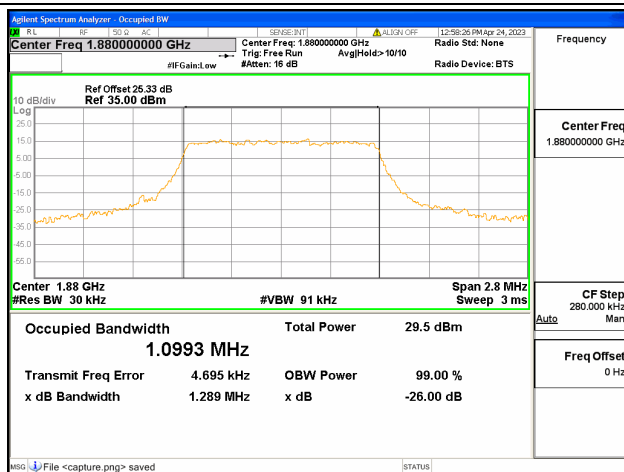
Band2 / 1.4MHz / 16QAM/ Low CH



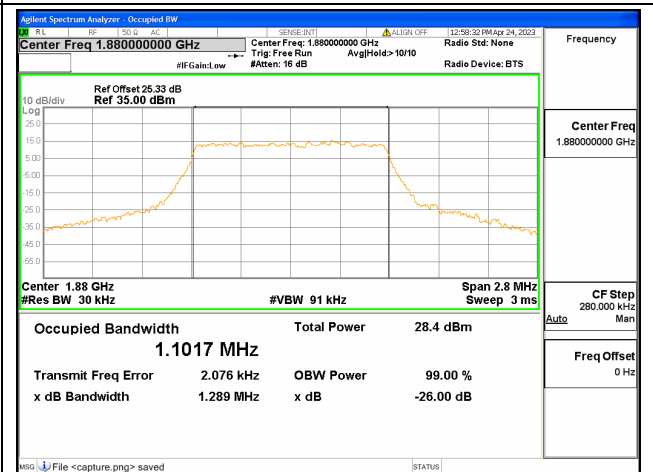
Band2 / 1.4MHz / 64QAM/ Low CH



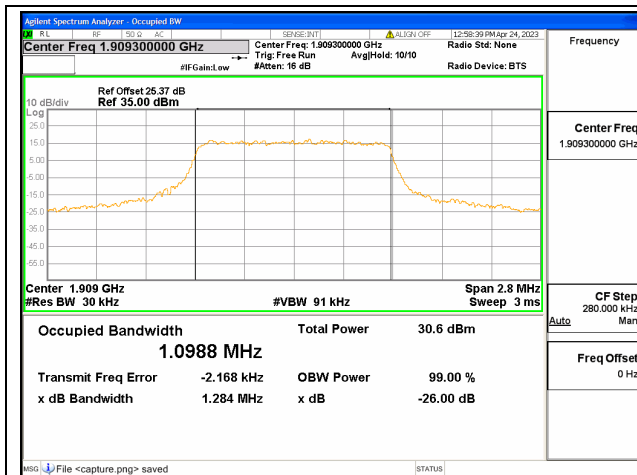
Band2 / 1.4MHz / QPSK/ Mid CH



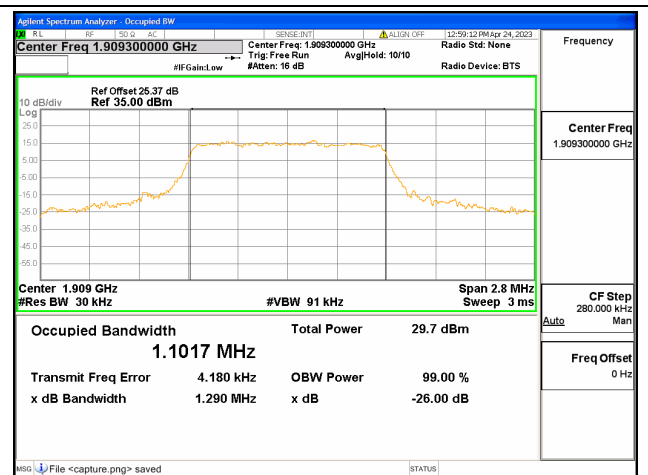
Band2 / 1.4MHz / 16QAM/ Mid CH



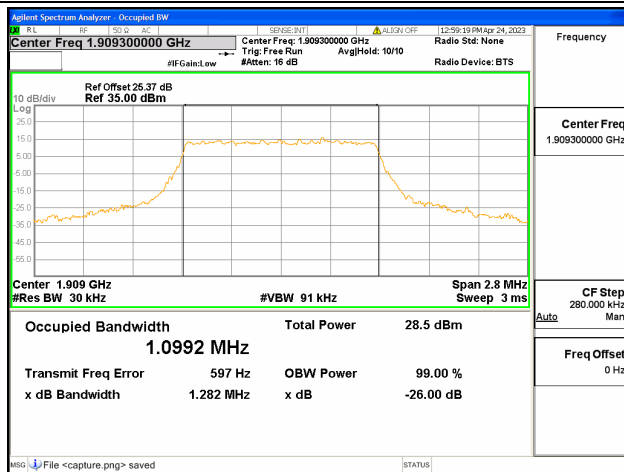
Band2 / 1.4MHz / 64QAM/ Mid CH



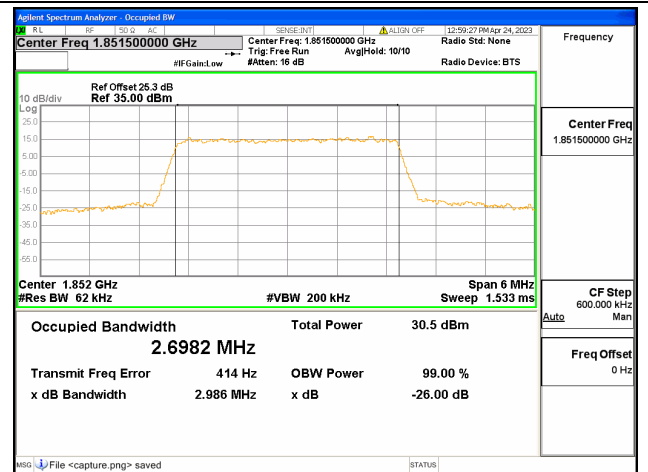
Band2 / 1.4MHz / QPSK/ High CH



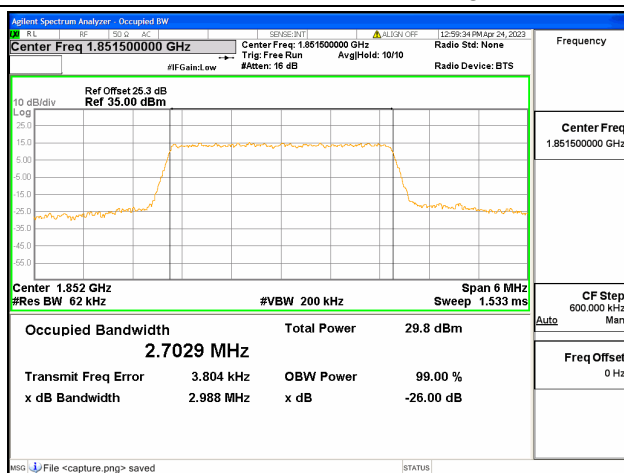
Band2 / 1.4MHz / 16QAM/ High CH



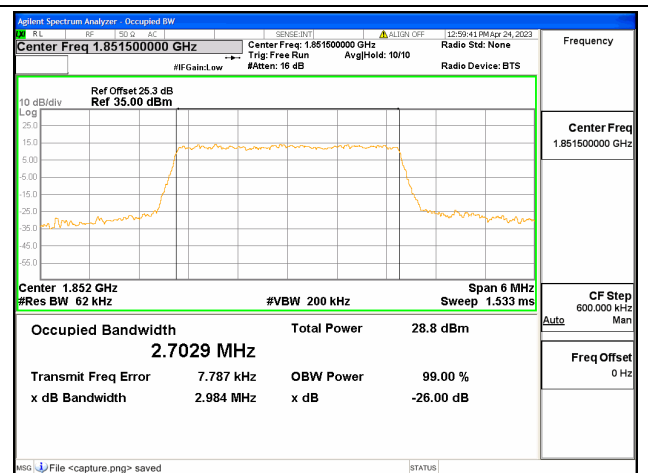
Band2 / 1.4MHz / 64QAM/ High CH



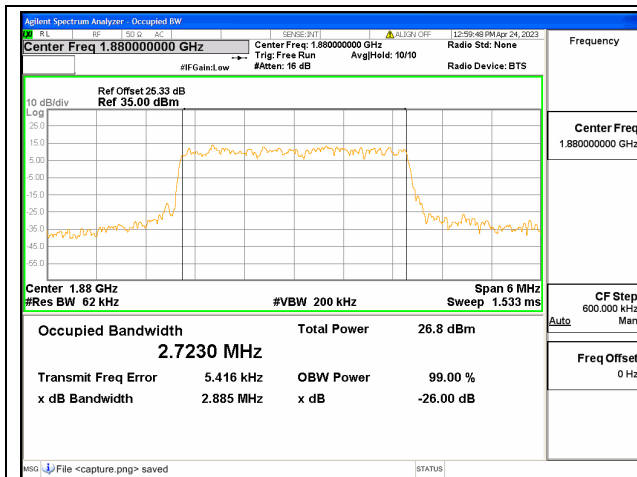
Band2 / 3MHz / QPSK/ Low CH



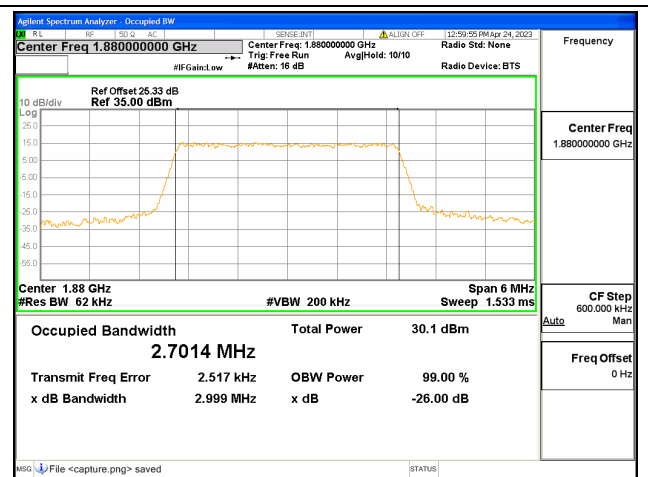
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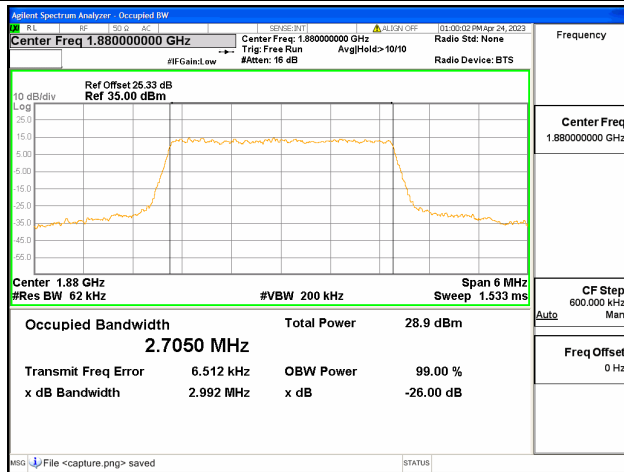
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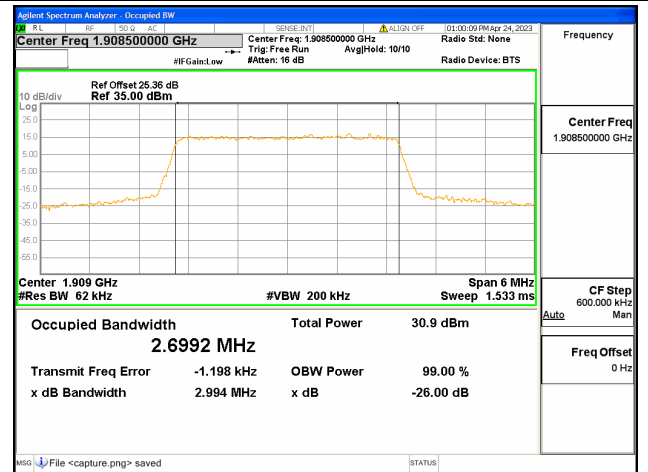
Band2 / 3MHz / QPSK/ Mid CH



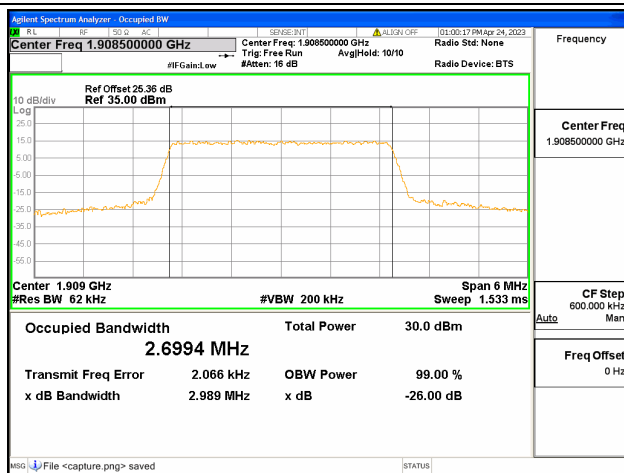
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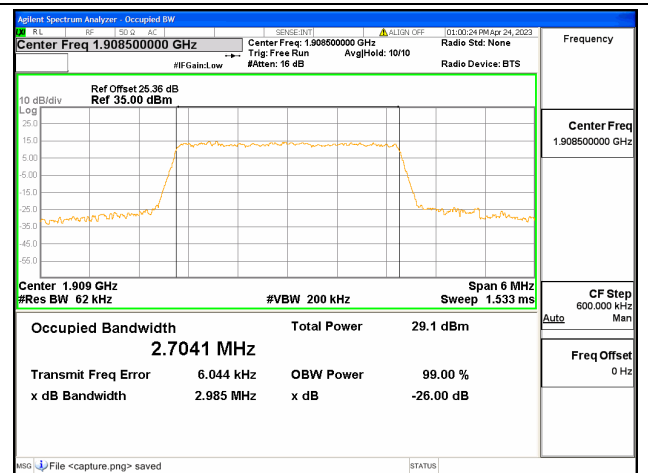
Band2 / 3MHz / 64QAM/ Mid CH



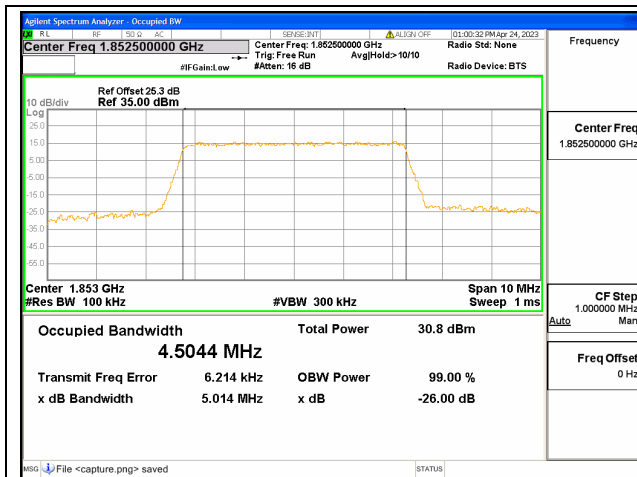
Band2 / 3MHz / QPSK/ High CH



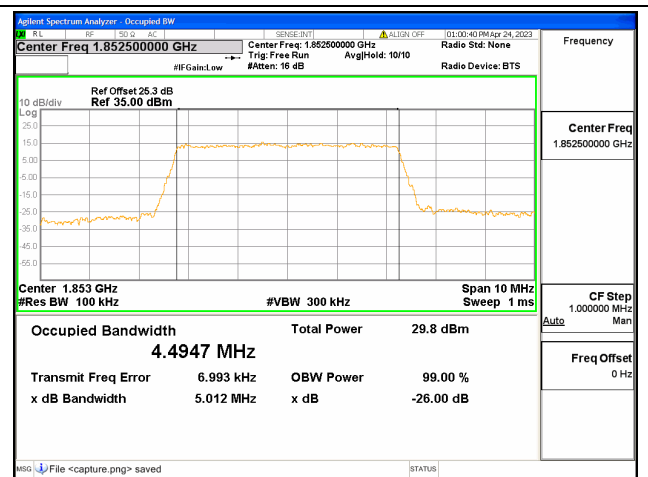
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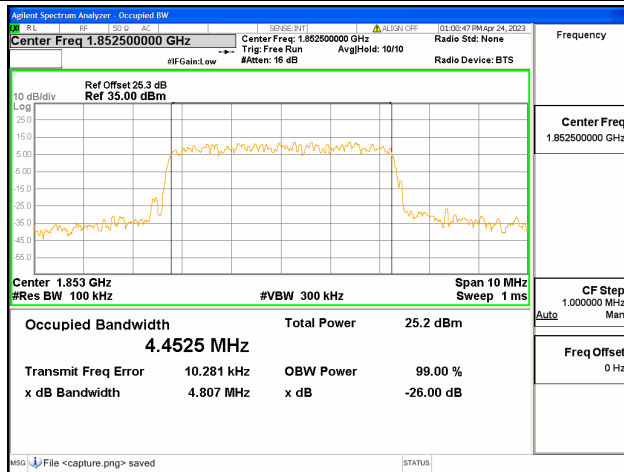
Band2 / 3MHz / 64QAM/ High CH



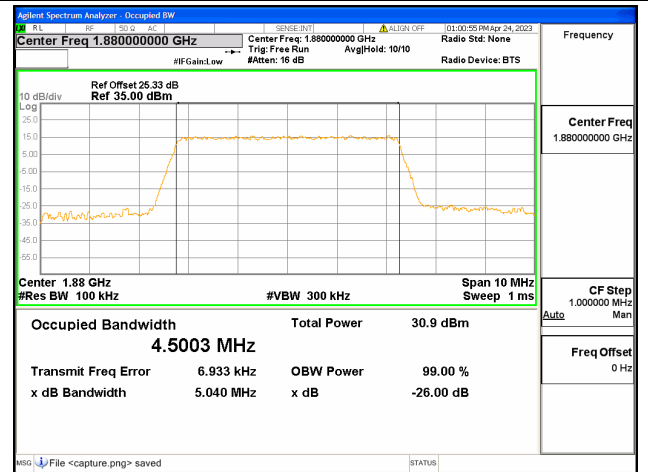
Band2 / 5MHz / QPSK/ Low CH



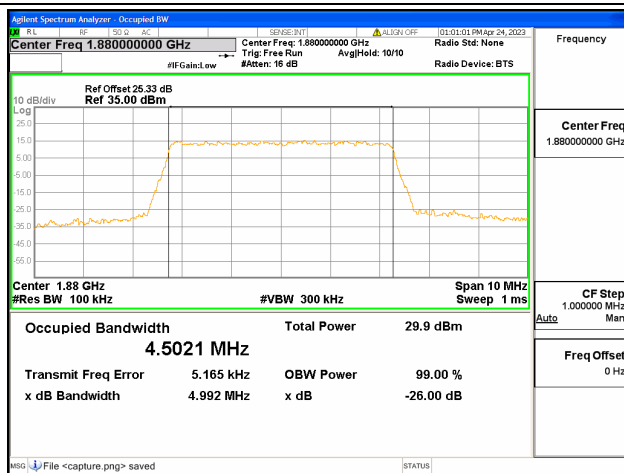
Band2 / 5MHz / 16QAM/ Low CH



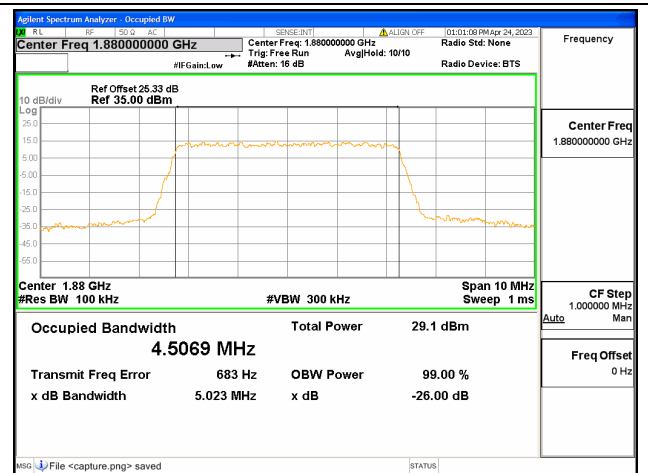
Band2 / 5MHz / 64QAM/ Low CH



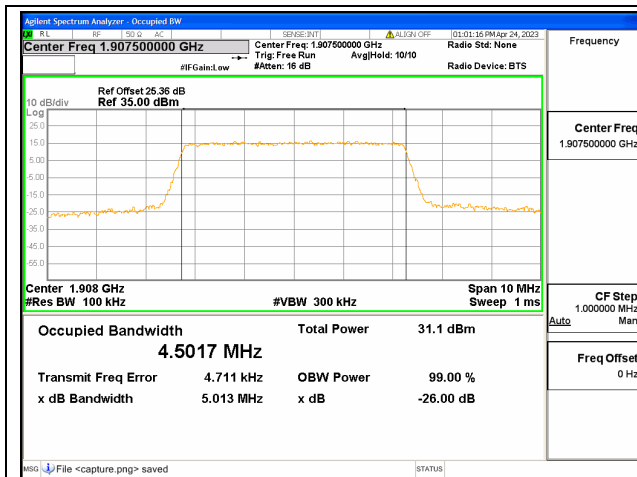
Band2 / 5MHz / QPSK/ Mid CH



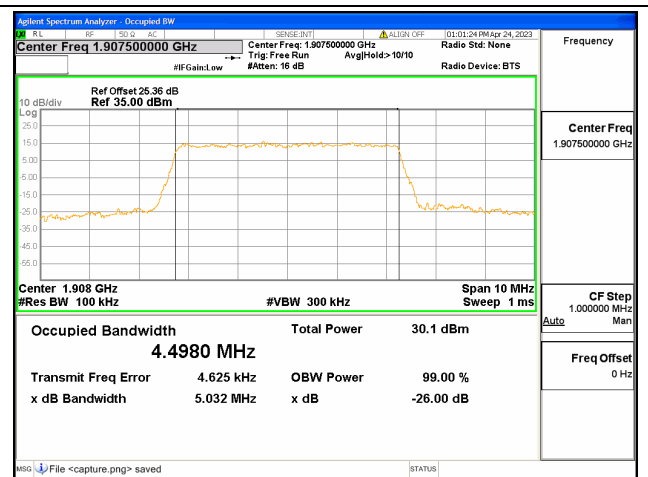
Band2 / 5MHz / 16QAM/ Mid CH



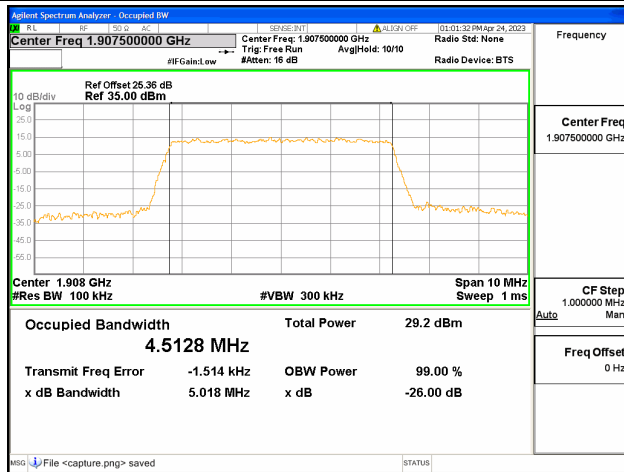
Band2 / 5MHz / 64QAM/ Mid CH



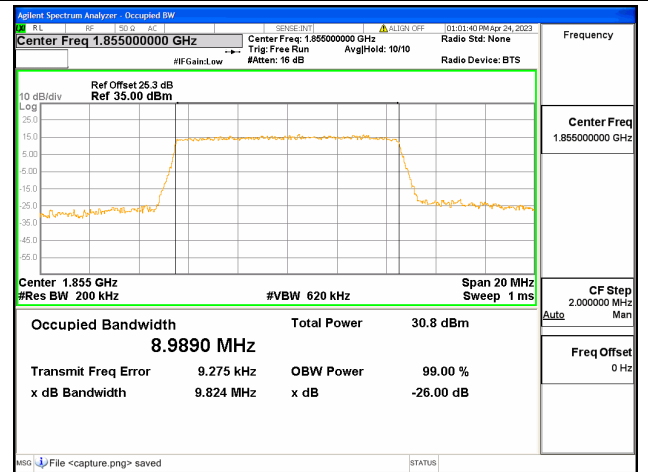
Band2 / 5MHz / QPSK/ High CH



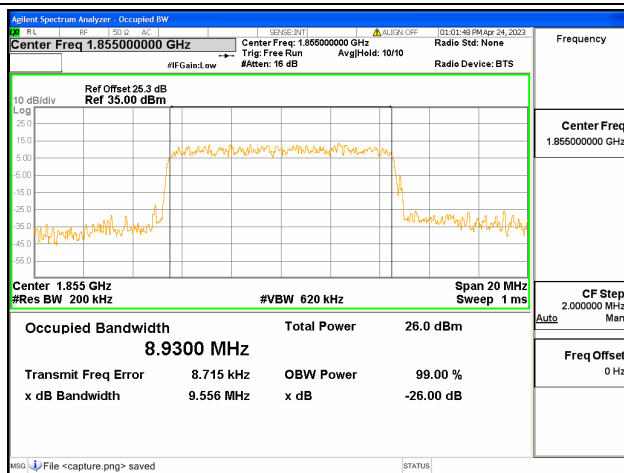
Band2 / 5MHz / 16QAM/ High CH



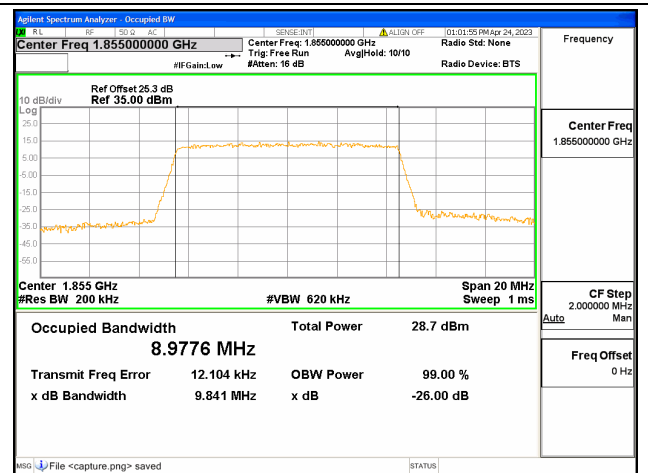
Band2 / 5MHz / 64QAM/ High CH



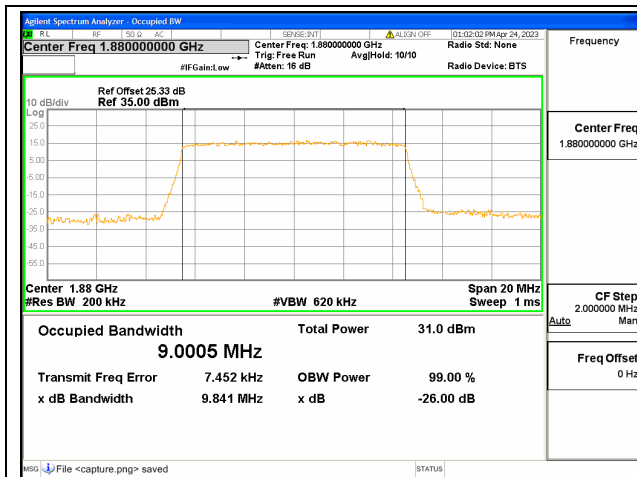
Band2 / 10MHz / QPSK/ Low CH



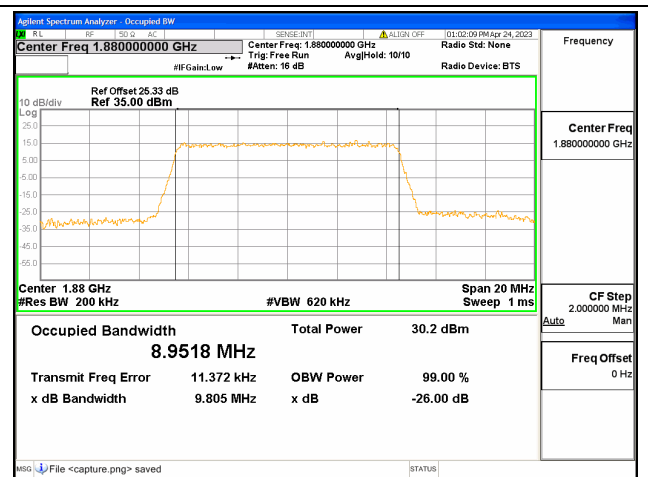
Band2 / 10MHz / 16QAM/ Low CH



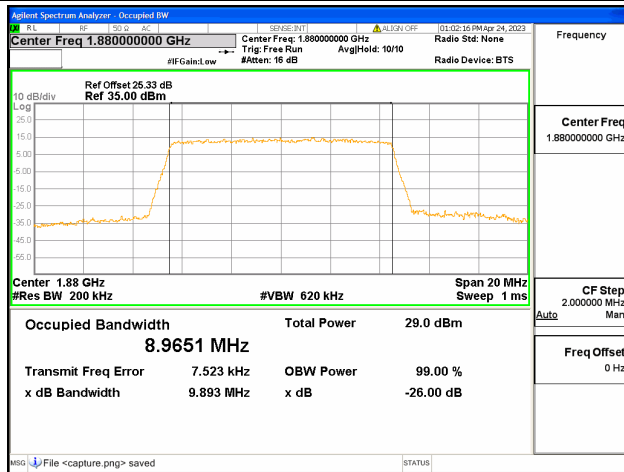
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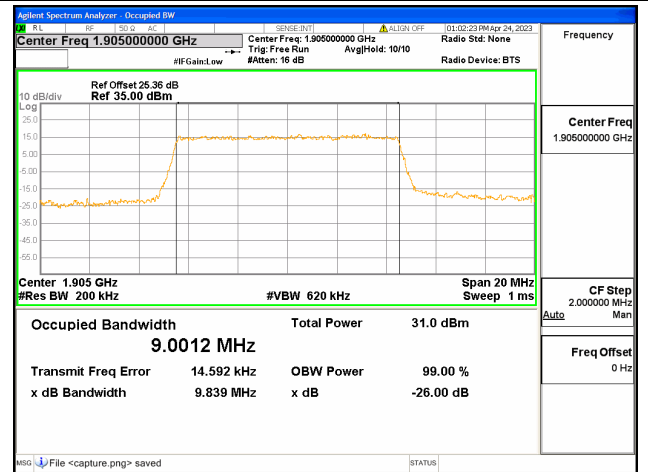
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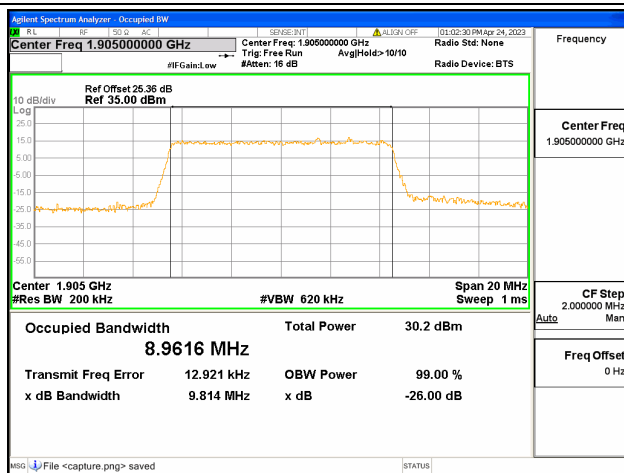
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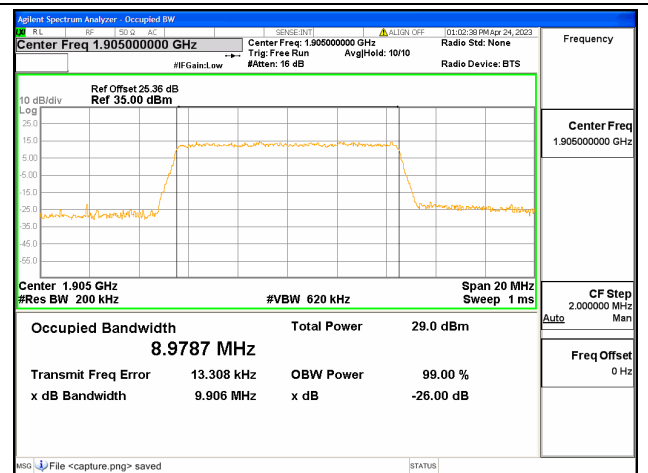
Band2 / 10MHz / 64QAM/ Mid CH



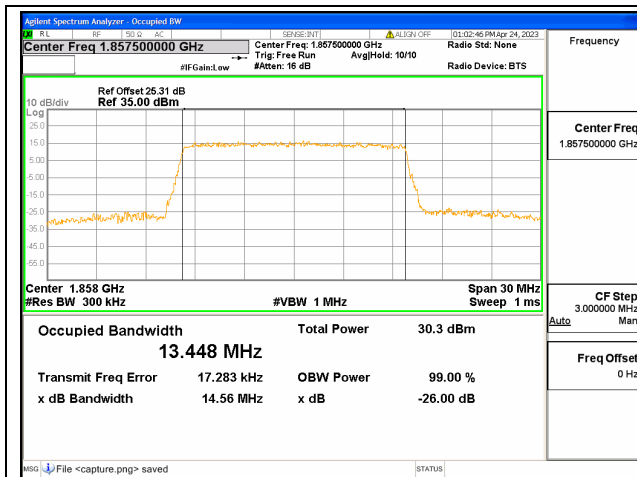
Band2 / 10MHz / QPSK/ High CH



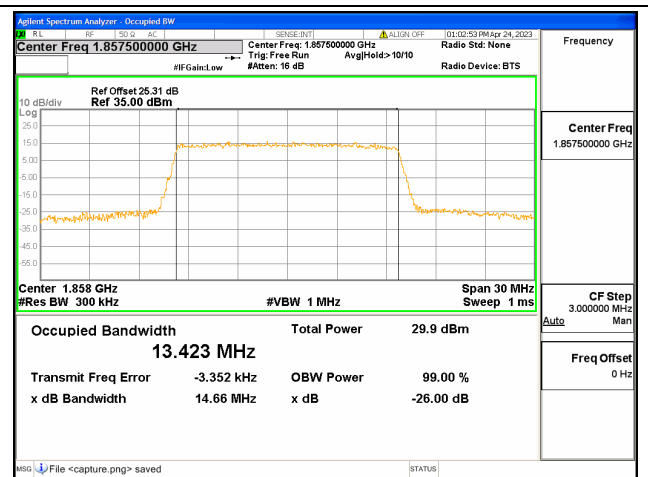
Band2 / 10MHz / 16QAM/ High CH



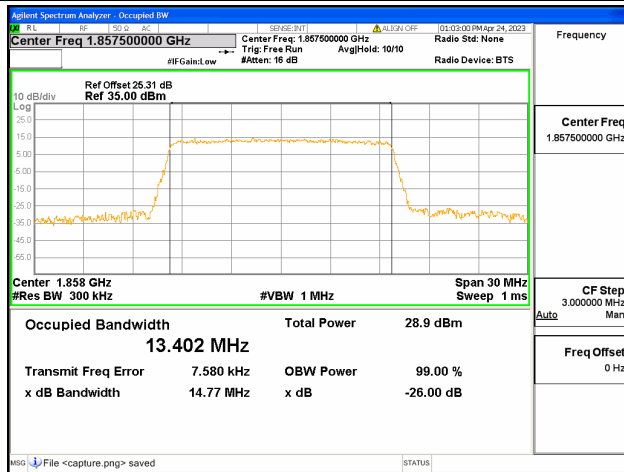
Band2 / 10MHz / 64QAM/ High CH



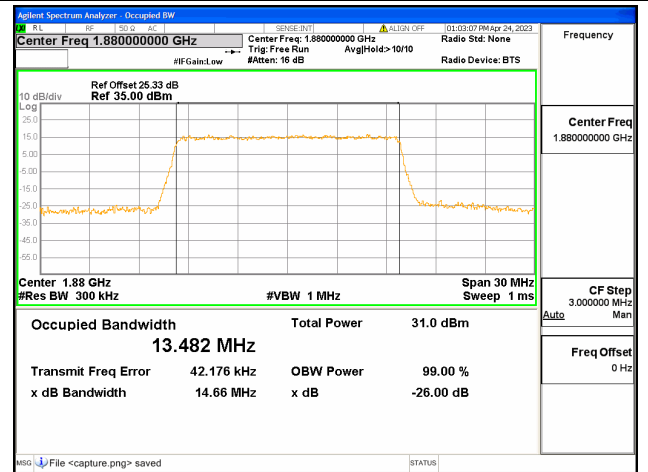
Band2 / 15MHz / QPSK/ Low CH



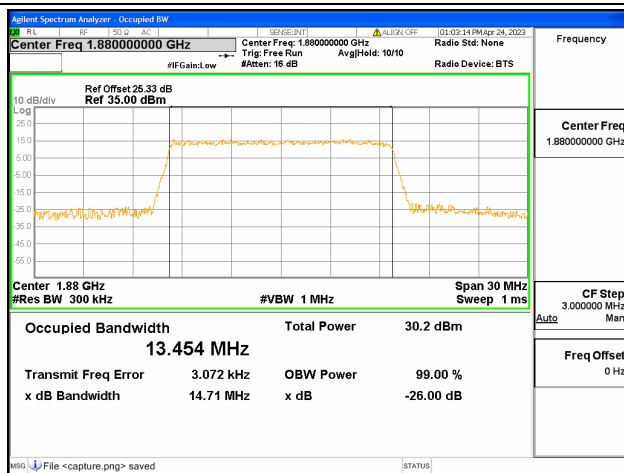
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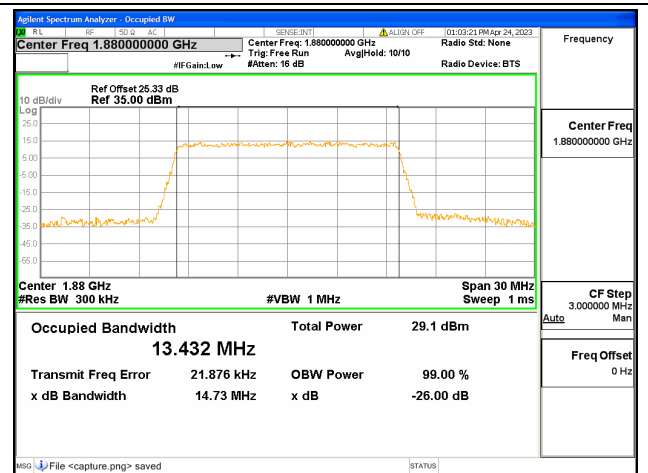
Band2 / 15MHz / 64QAM/ Low CH



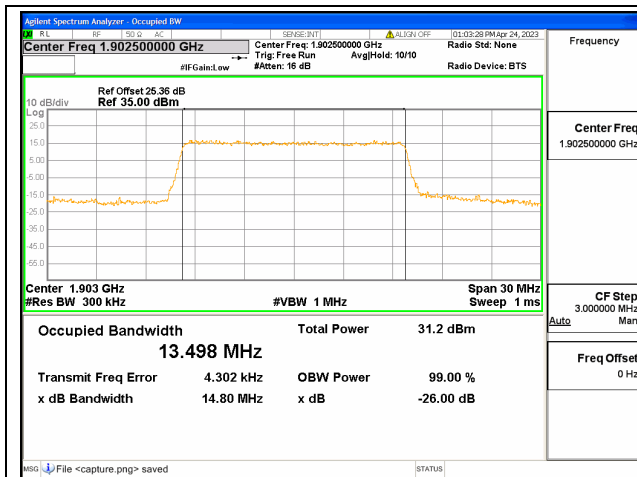
Band2 / 15MHz / QPSK/ Mid CH



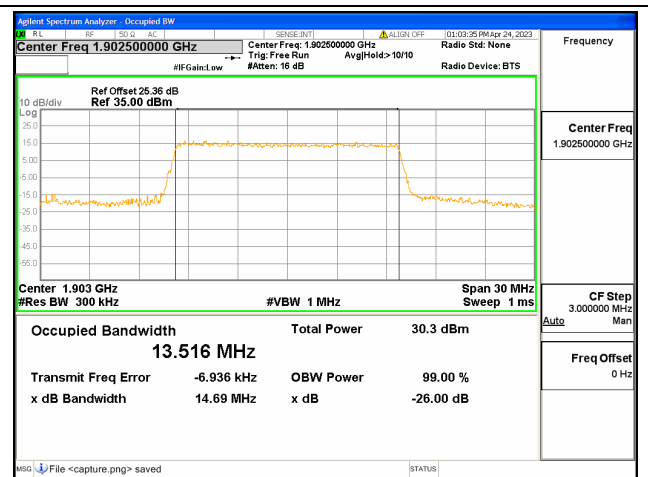
Band2 / 15MHz / 16QAM/ Mid CH



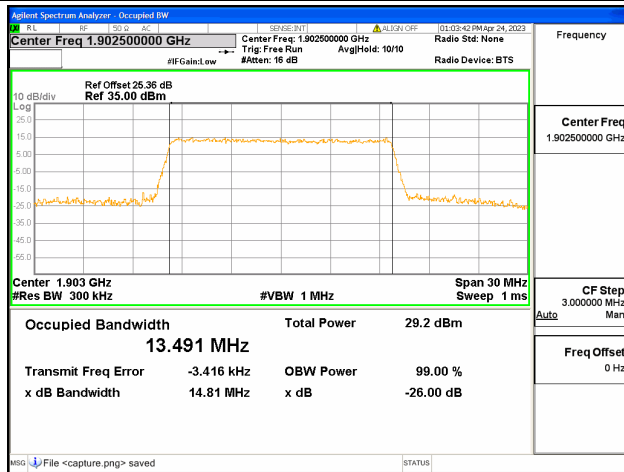
Band2 / 15MHz / 64QAM/ Mid CH



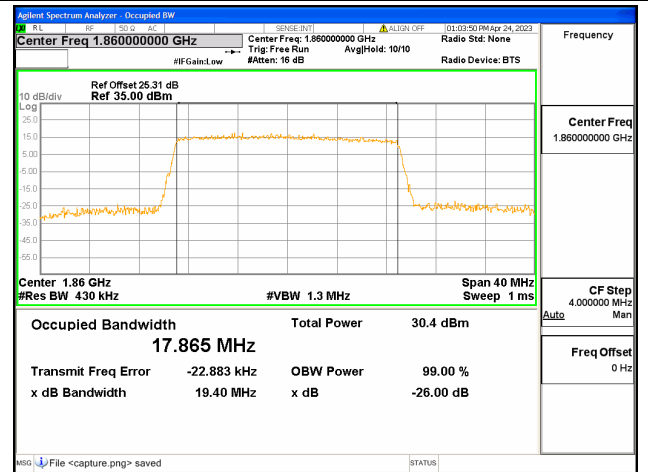
Band2 / 15MHz / QPSK/ High CH



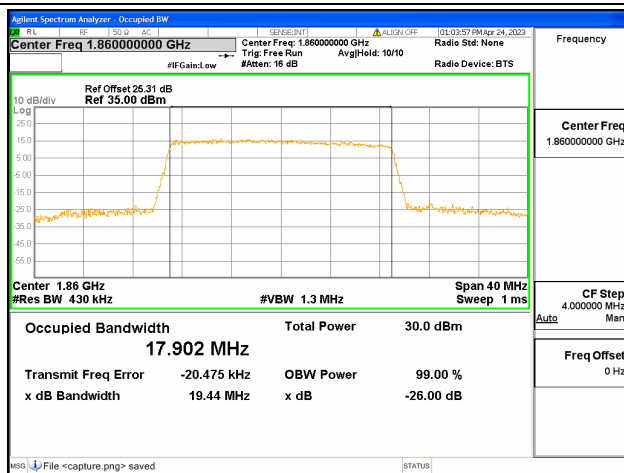
Band2 / 15MHz / 16QAM/ High CH



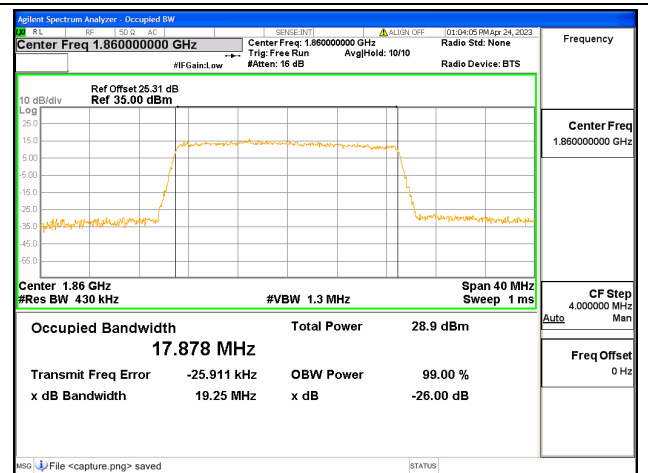
Band2 / 15MHz / 64QAM/ High CH



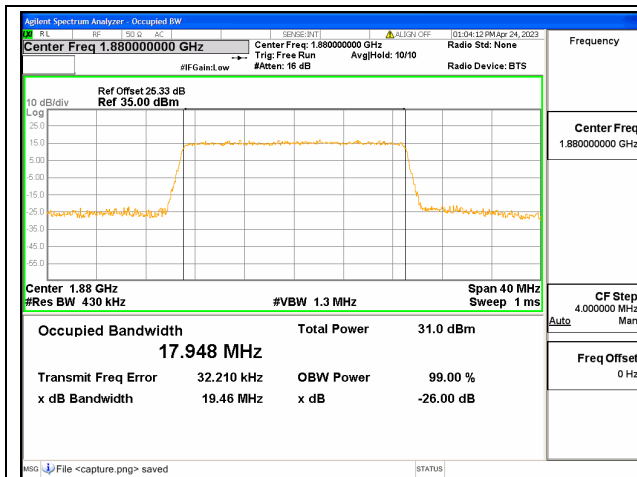
Band2 / 20MHz / QPSK/ Low CH



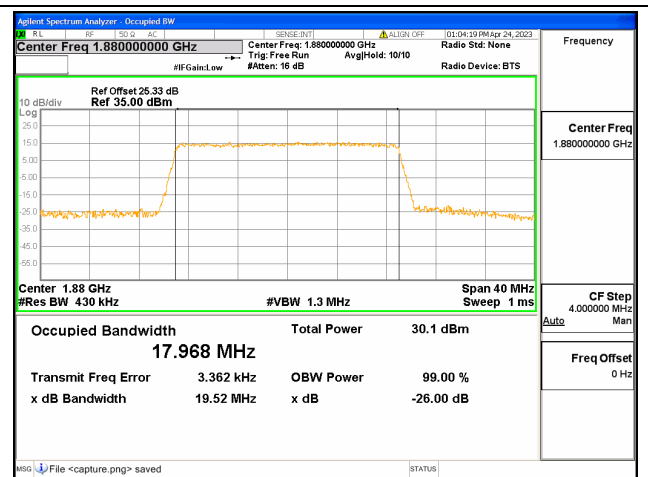
Band2 / 20MHz / 16QAM/ Low CH



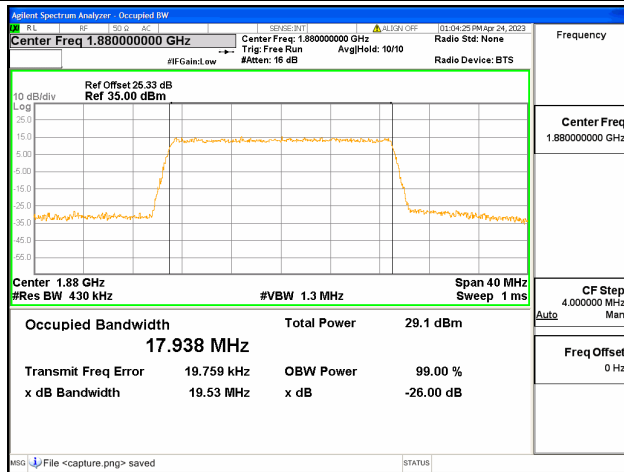
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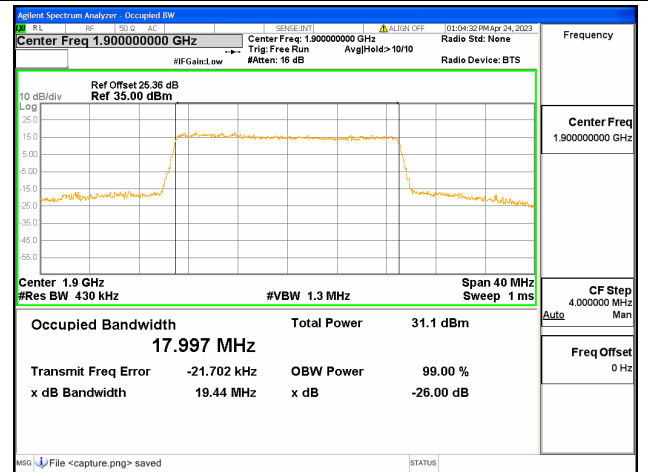
Band2 / 20MHz / QPSK/ Mid CH



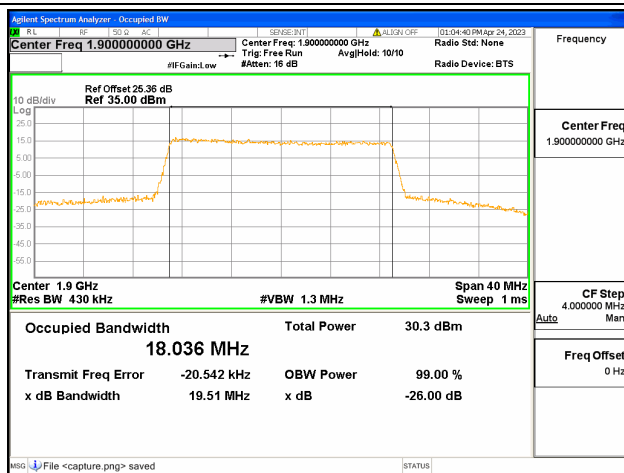
Band2 / 20MHz / 16QAM/ Mid CH



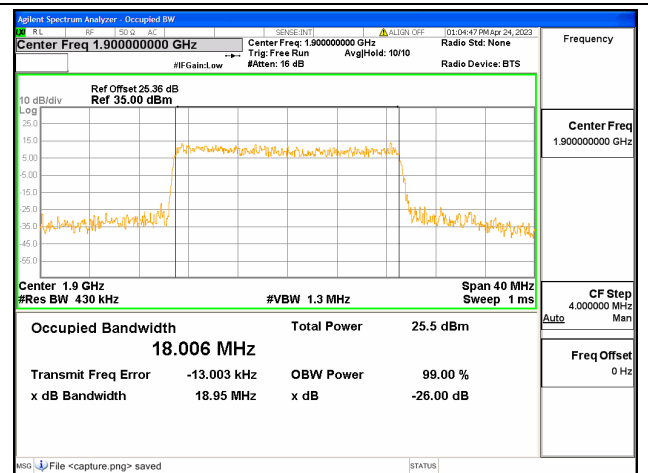
Band2 / 20MHz / 64QAM/ Mid CH



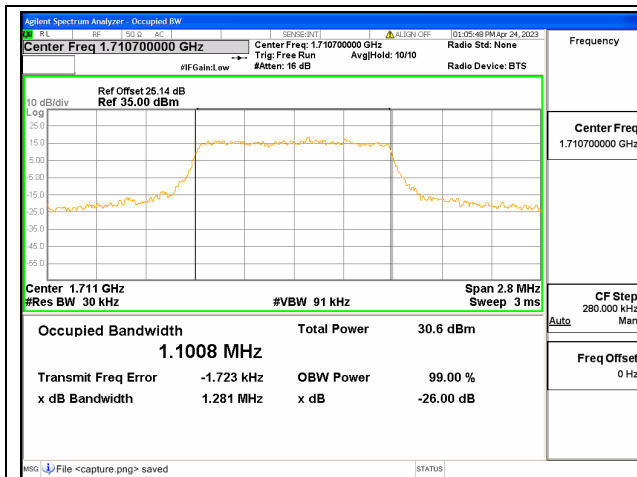
Band2 / 20MHz / QPSK/ High CH



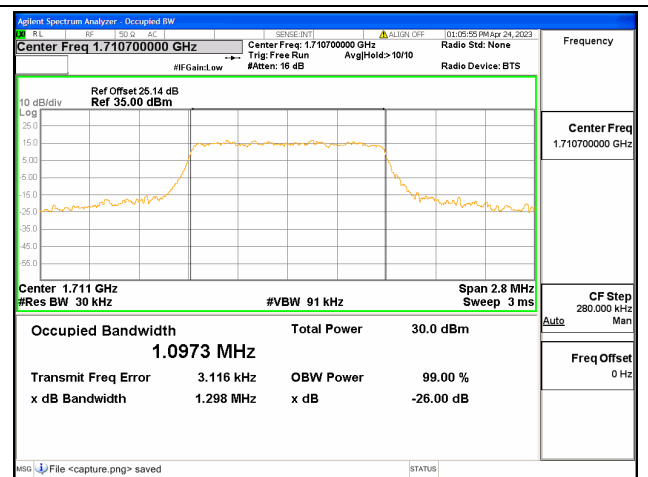
Band2 / 20MHz / 16QAM/ High CH



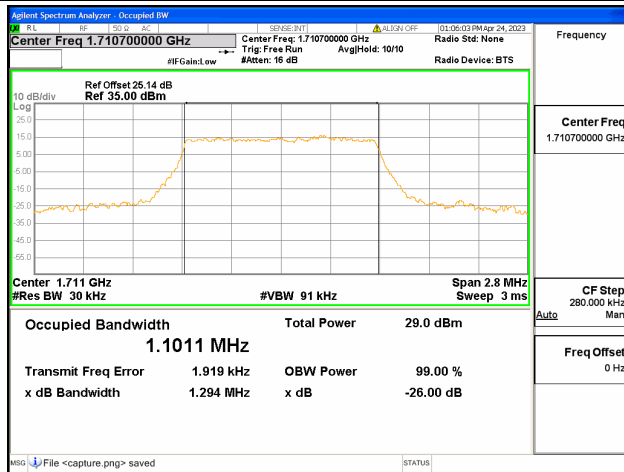
Band2 / 20MHz / 64QAM/ High CH



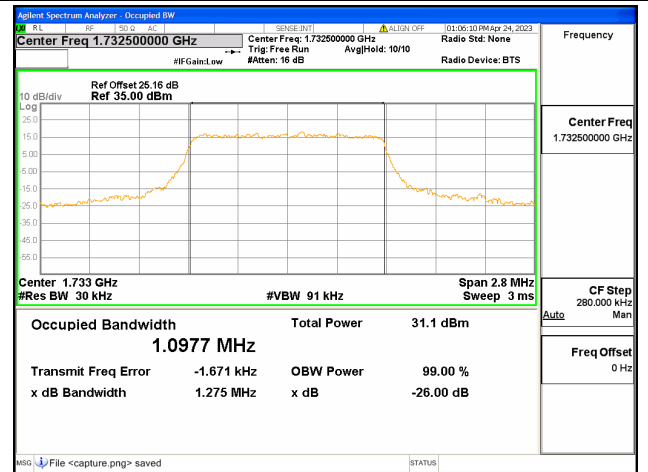
Band4 / 1.4MHz / QPSK/ Low CH



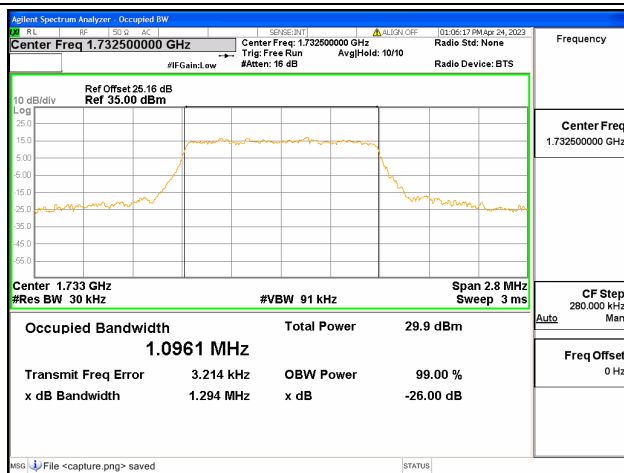
Band4 / 1.4MHz / 16QAM/ Low CH



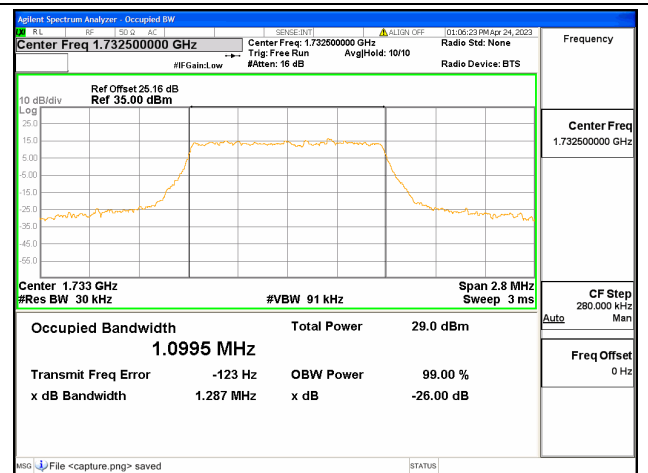
Band4 / 1.4MHz / 64QAM/ Low CH



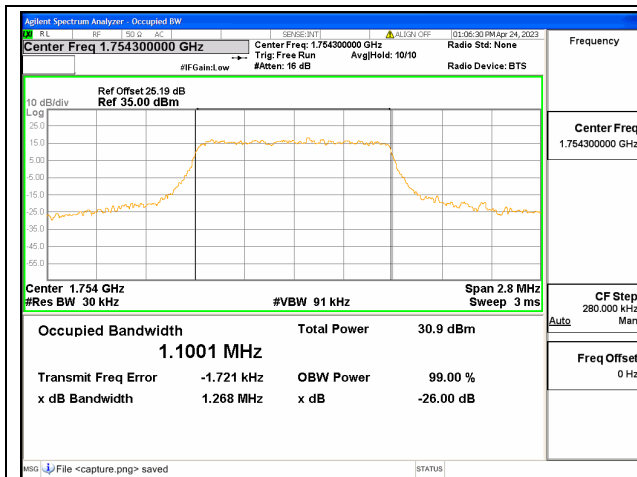
Band4 / 1.4MHz / QPSK/ Mid CH



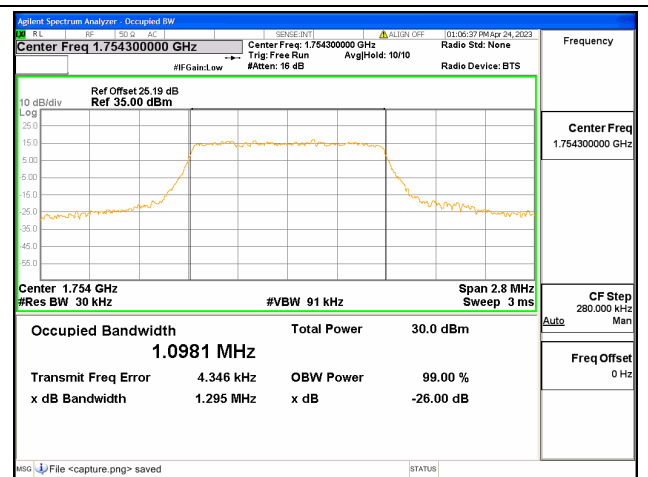
Band4 / 1.4MHz / 16QAM/ Mid CH



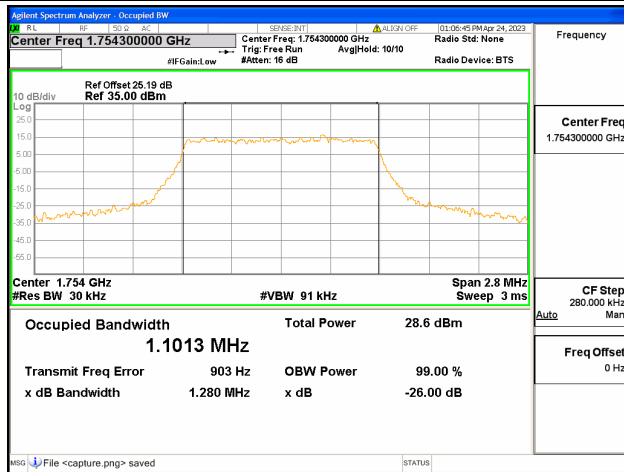
Band4 / 1.4MHz / 64QAM/ Mid CH



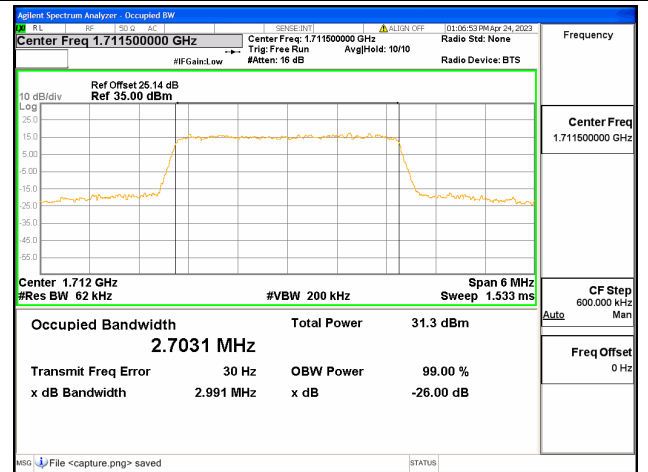
Band4 / 1.4MHz / QPSK/ High CH



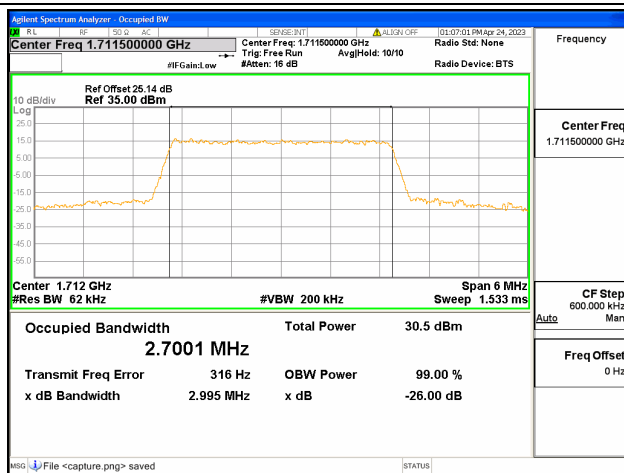
Band4 / 1.4MHz / 16QAM/ High CH



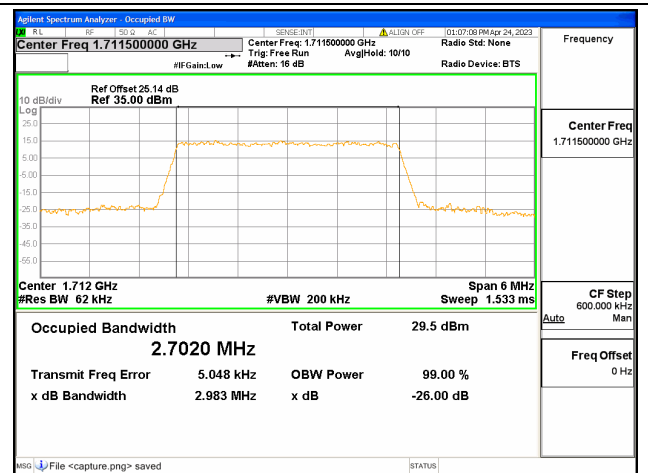
Band4 / 1.4MHz / 64QAM/ High CH



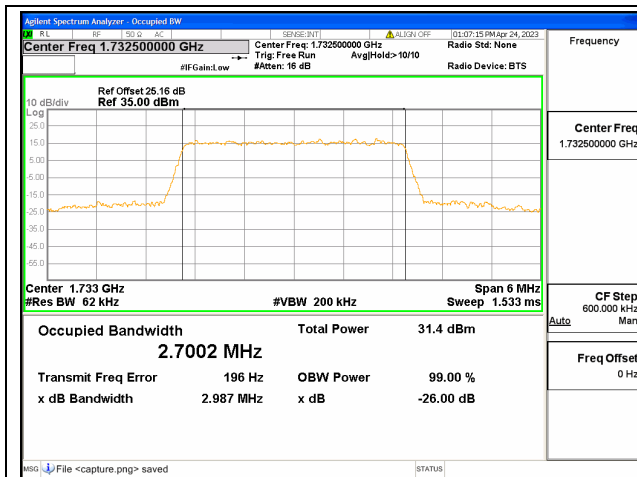
Band4 / 3MHz / QPSK/ Low CH



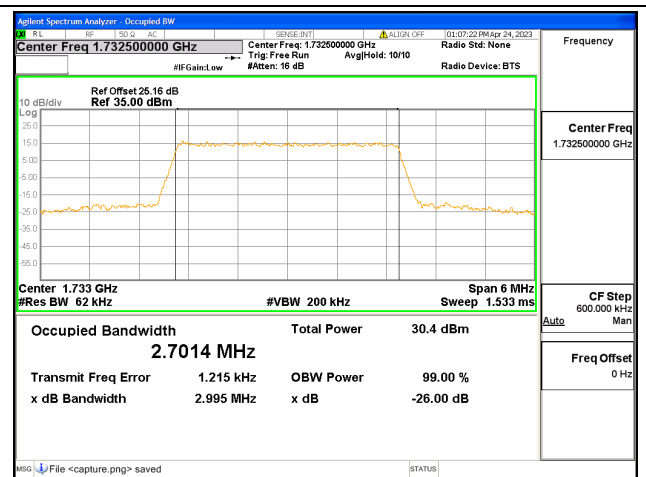
Band4 / 3MHz / 16QAM/ Low CH



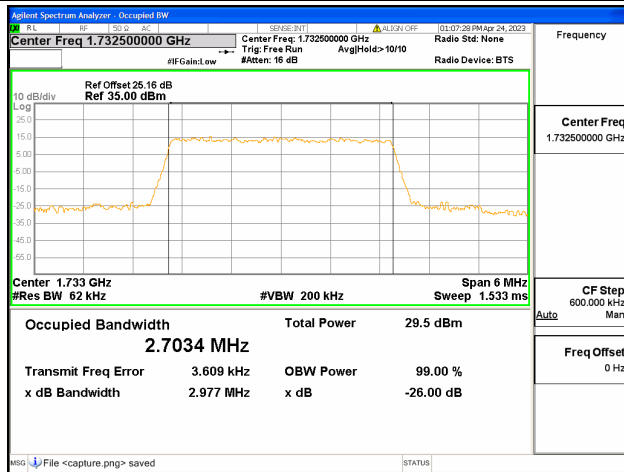
Band4 / 3MHz / 64QAM/ Low CH



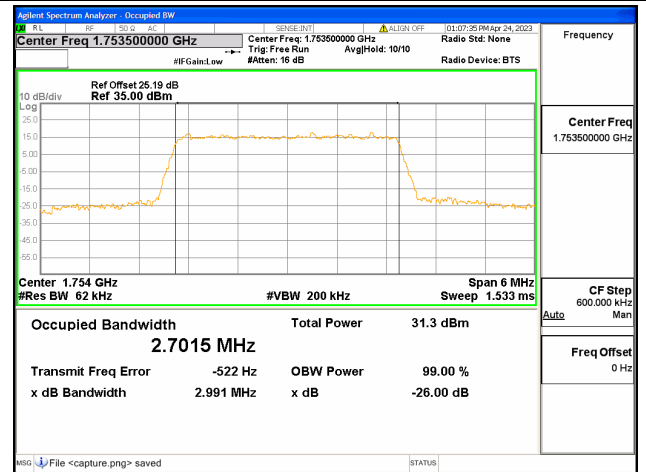
Band4 / 3MHz / QPSK/ Mid CH



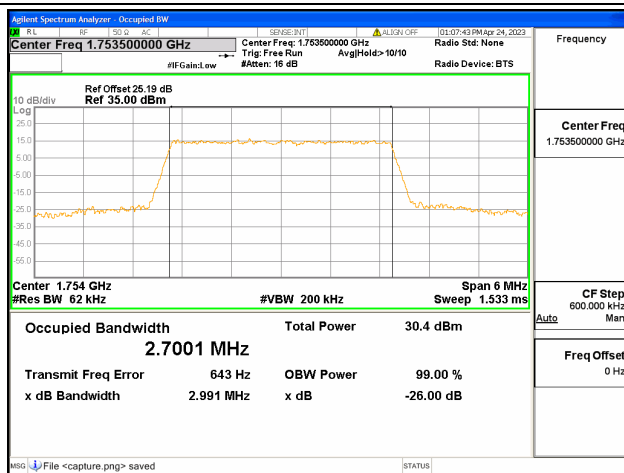
Band4 / 3MHz / 16QAM/ Mid CH



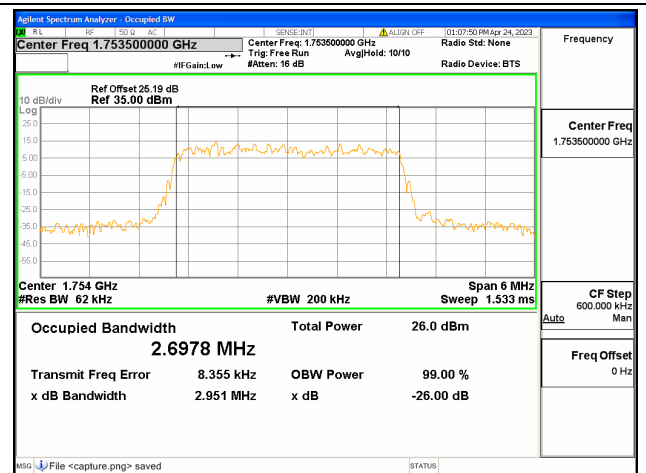
Band4 / 3MHz / 64QAM/ Mid CH



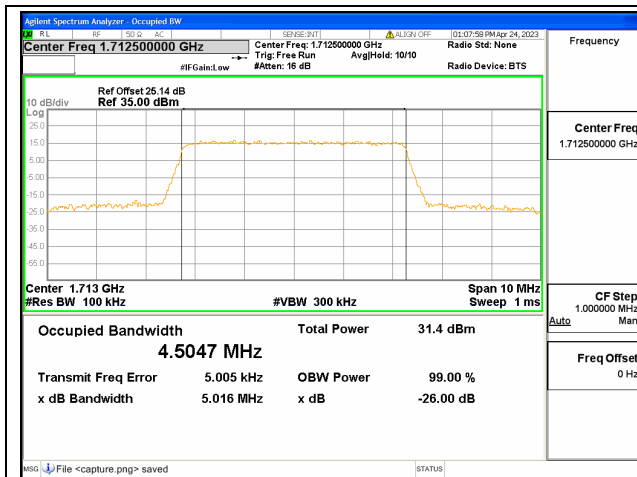
Band4 / 3MHz / QPSK/ High CH



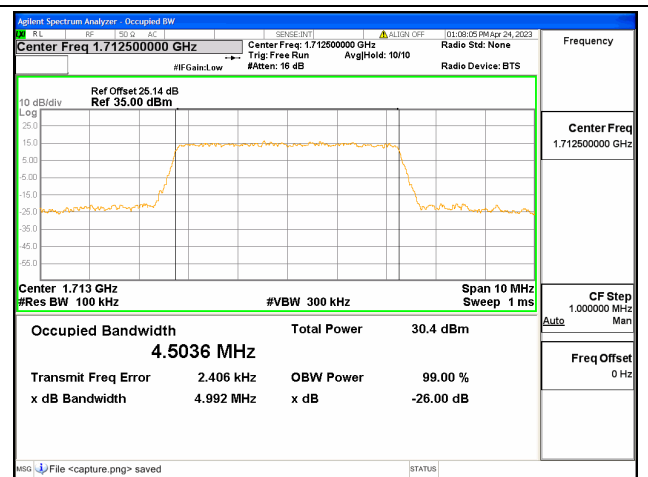
Band4 / 3MHz / 16QAM/ High CH



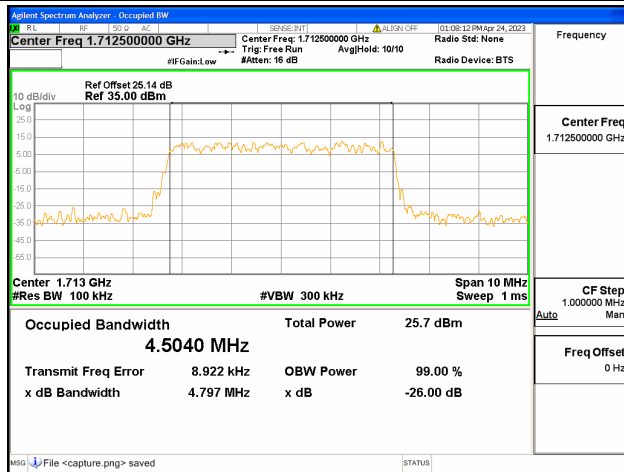
Band4 / 3MHz / 64QAM/ High CH



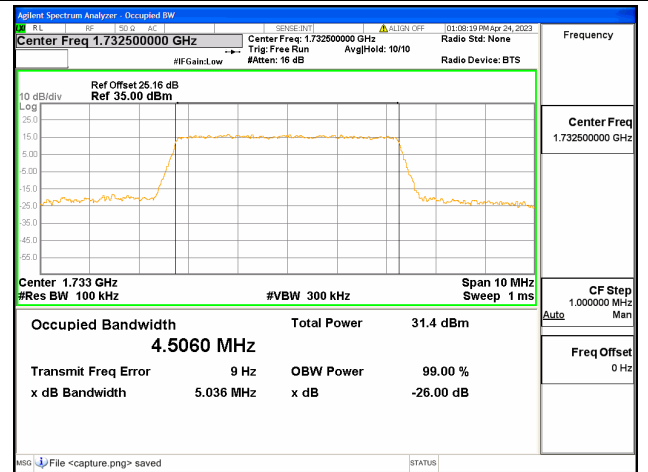
Band4 / 5MHz / QPSK/ Low CH



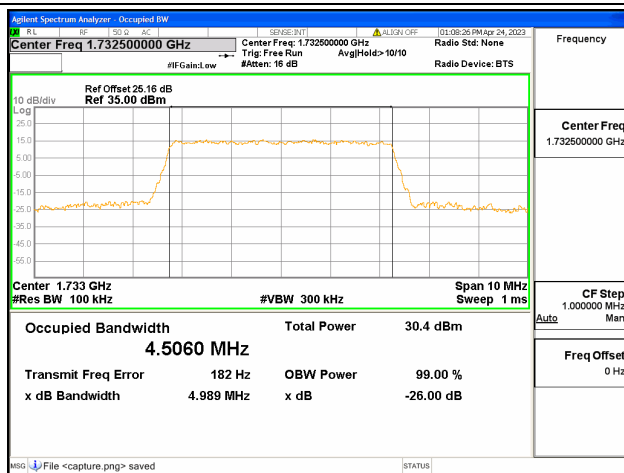
Band4 / 5MHz / 16QAM/ Low CH



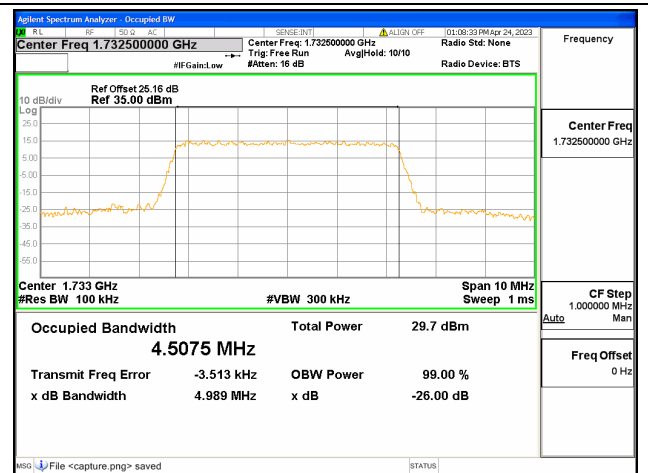
Band4 / 5MHz / 64QAM/ Low CH



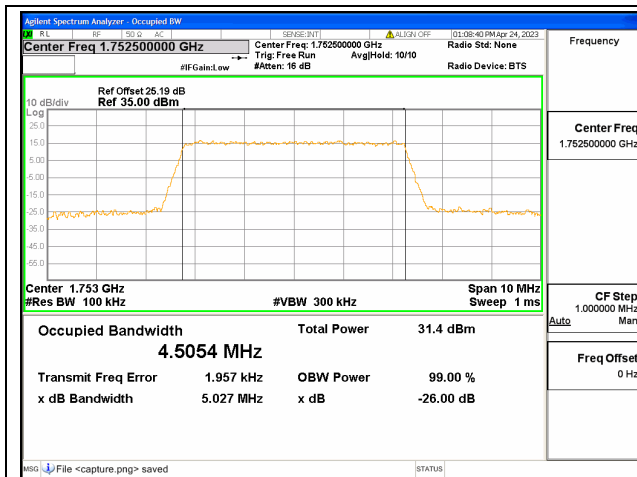
Band4 / 5MHz / QPSK/ Mid CH



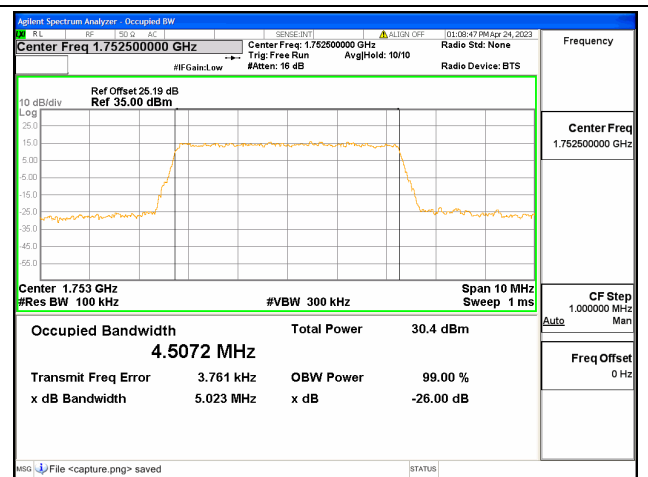
Band4 / 5MHz / 16QAM/ Mid CH



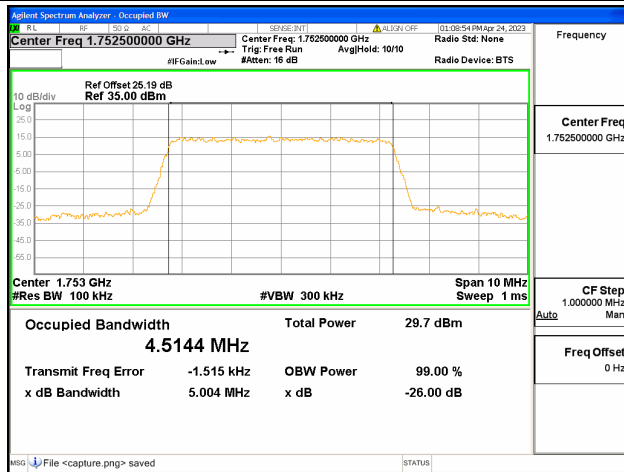
Band4 / 5MHz / 64QAM/ Mid CH



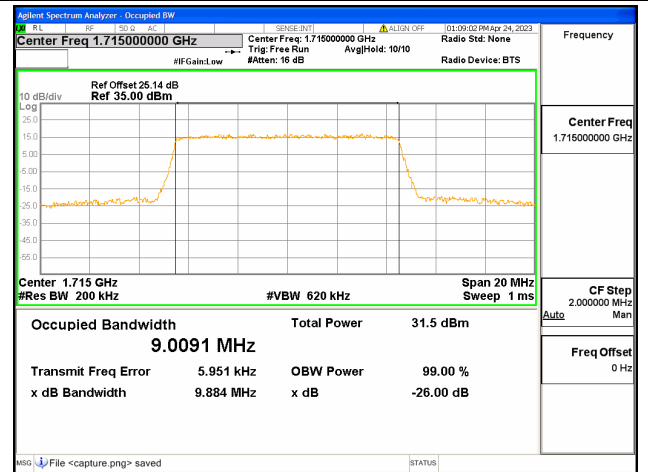
Band4 / 5MHz / QPSK/ High CH



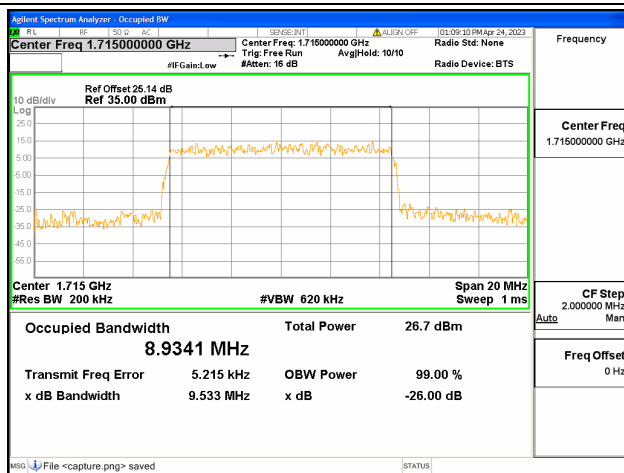
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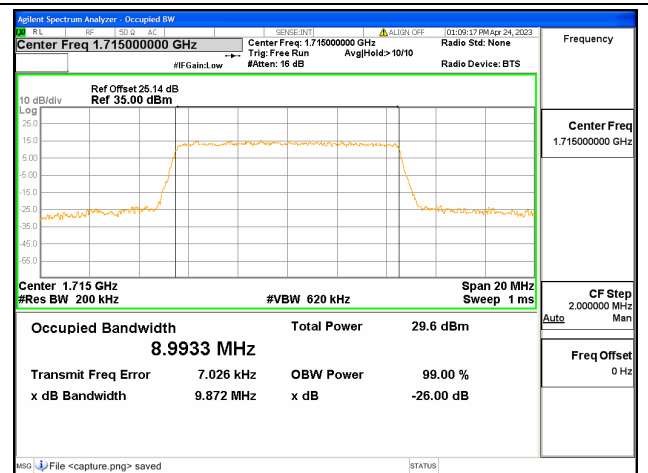
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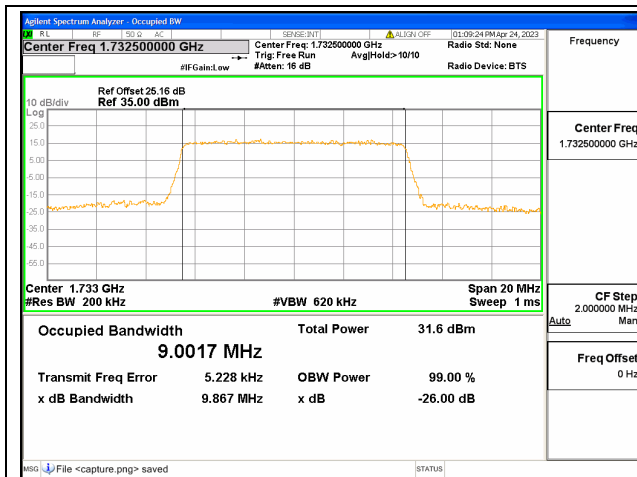
Band4 / 10MHz / QPSK/ Low CH



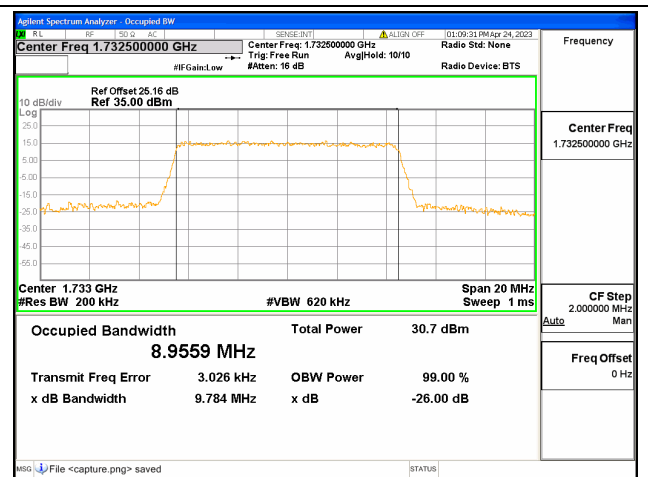
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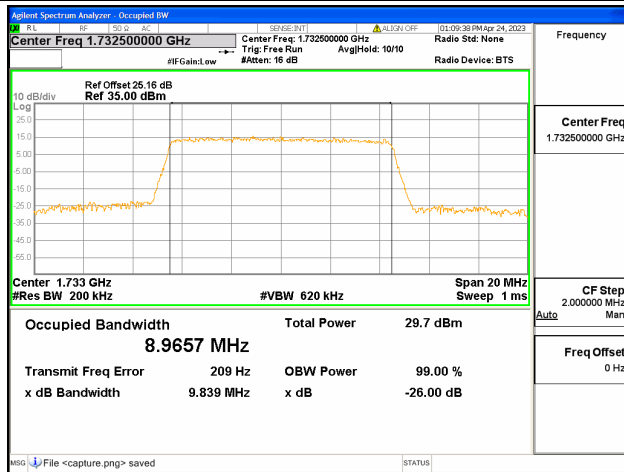
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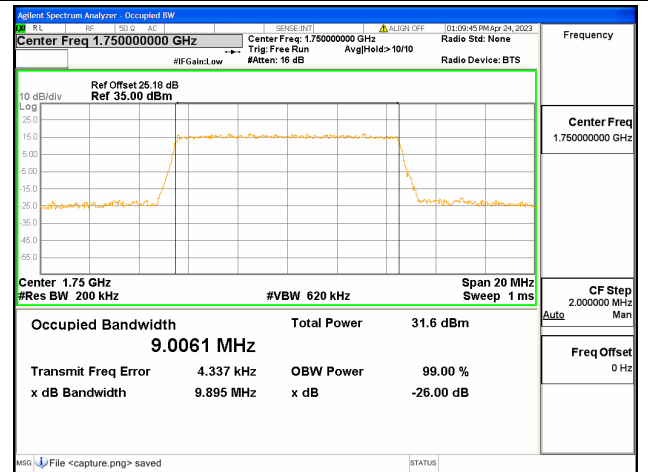
Band4 / 10MHz / QPSK/ Mid CH



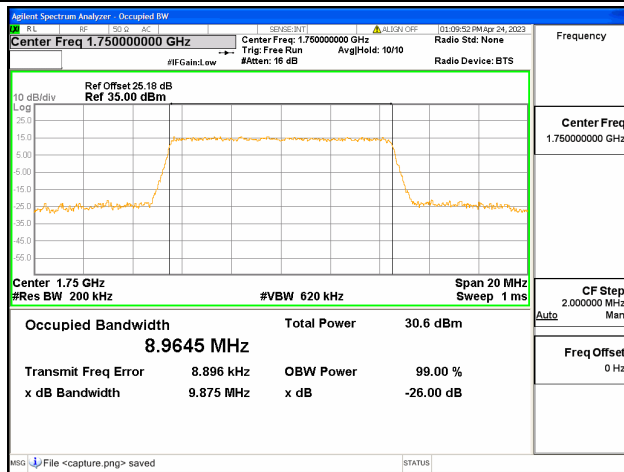
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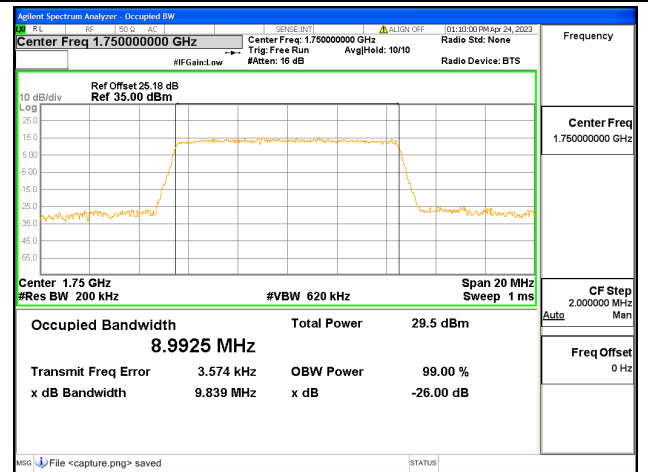
Band4 / 10MHz / 64QAM/ Mid CH



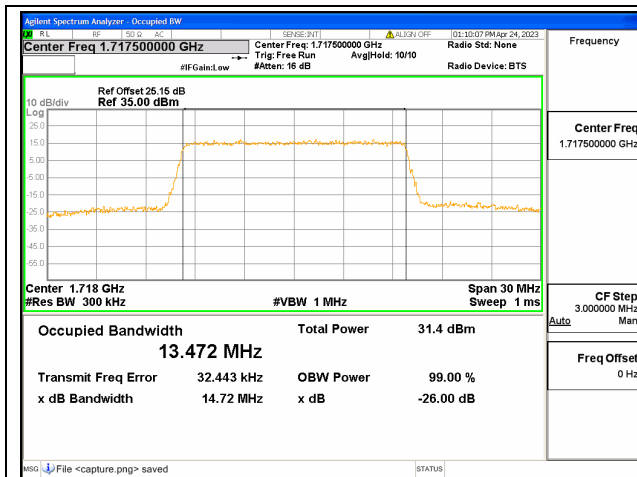
Band4 / 10MHz / QPSK/ High CH



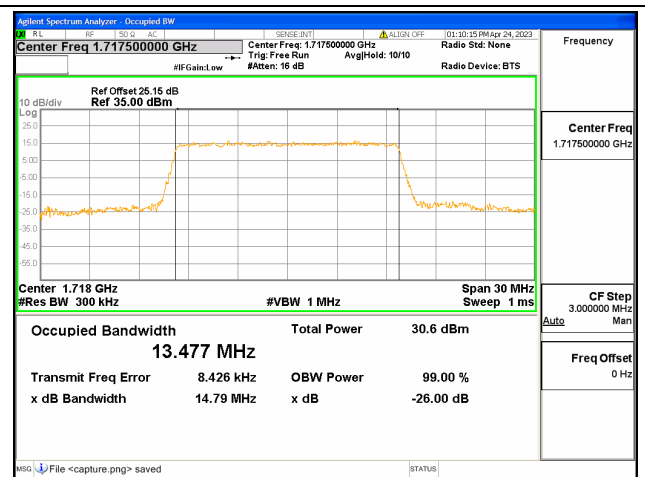
Band4 / 10MHz / 16QAM/ High CH



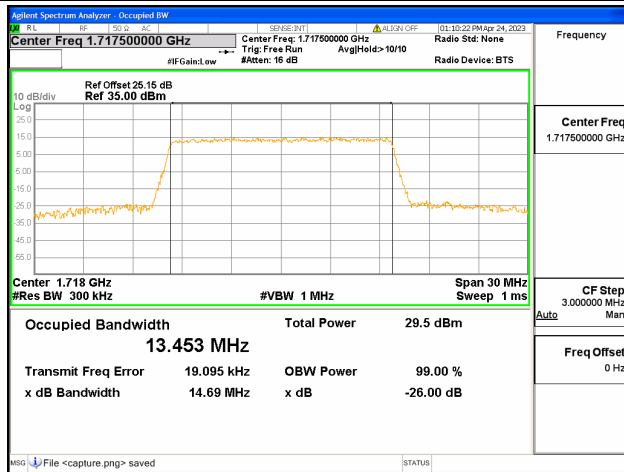
Band4 / 10MHz / 64QAM/ High CH



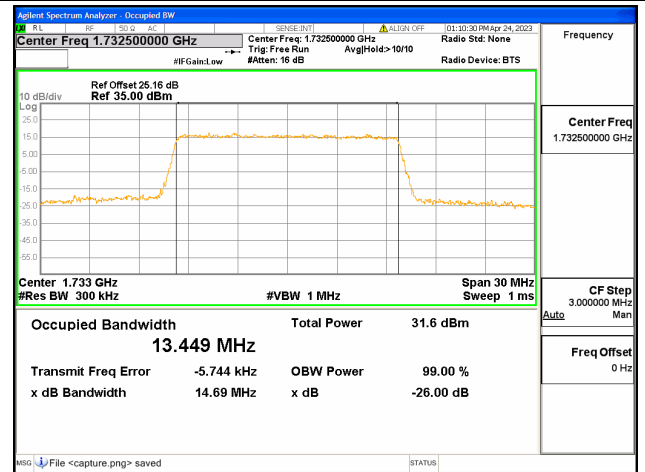
Band4 / 15MHz / QPSK/ Low CH



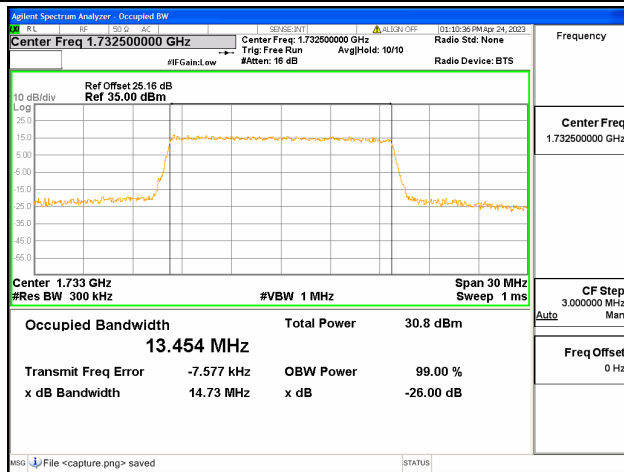
Band4 / 15MHz / 16QAM/ Low CH



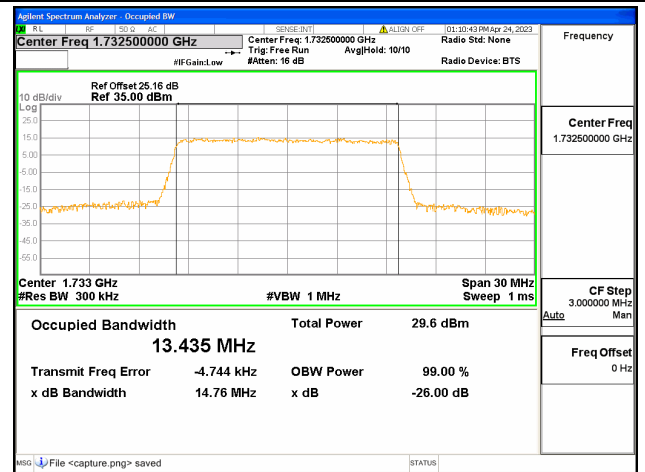
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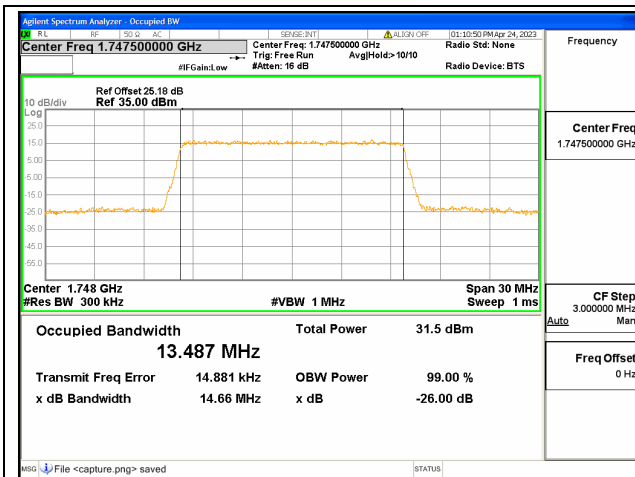
Band4 / 15MHz / QPSK/ Mid CH



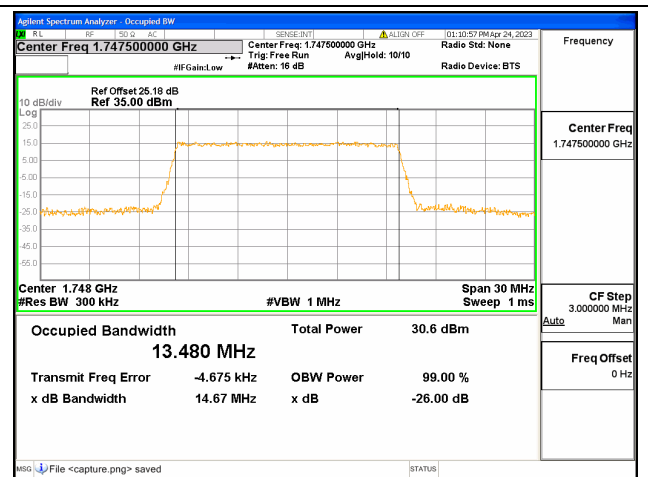
Band4 / 15MHz / 16QAM/ Mid CH



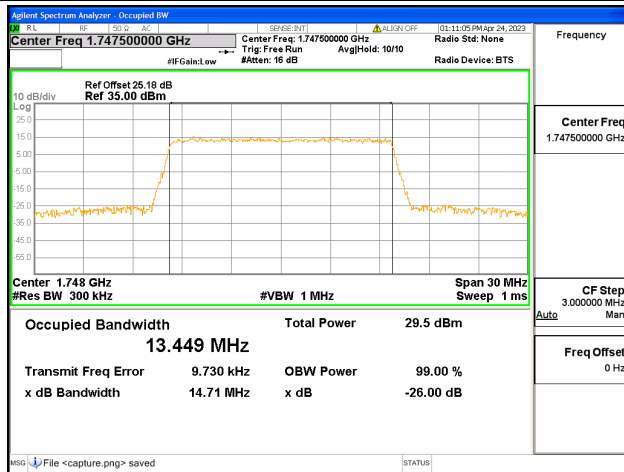
Band4 / 15MHz / 64QAM/ Mid CH



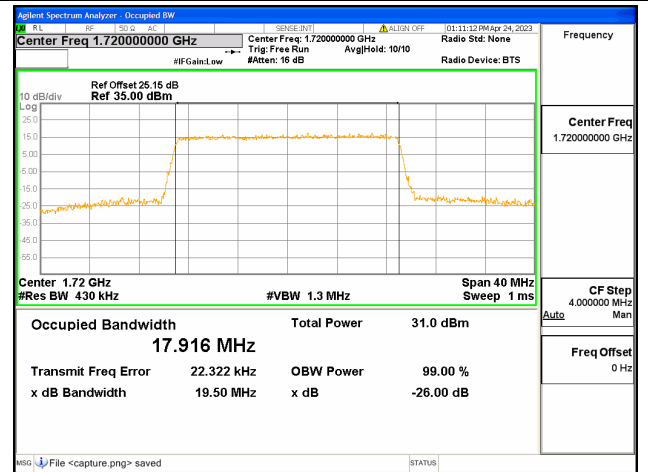
Band4 / 15MHz / QPSK/ High CH



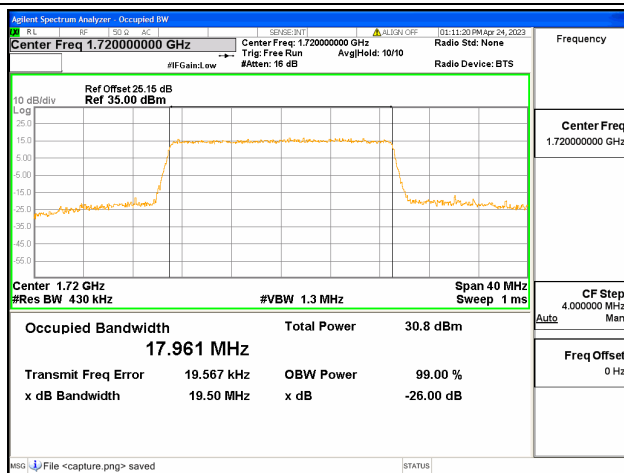
Band4 / 15MHz / 16QAM/ High CH



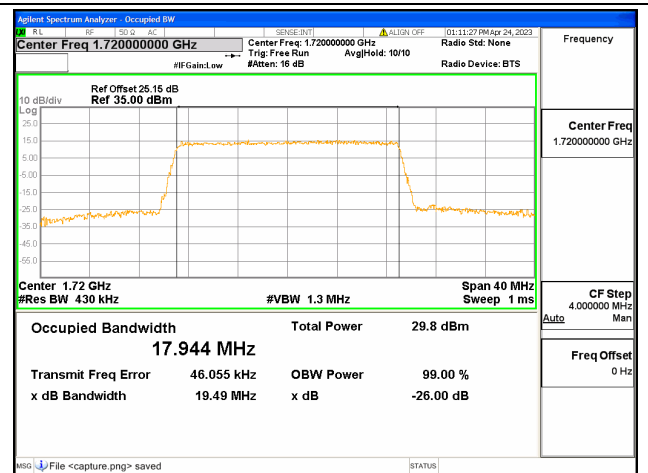
Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH