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	22.50	0.178	22.04	0.160	22.51	0.178
20	QPSK	1	49	23.23	0.210	22.62	0.183	23.14	0.206
20	QPSK	1	99	22.34	0.171	22.58	0.181	22.27	0.169
20	QPSK	50	0	22.01	0.159	21.89	0.155	22.12	0.163
20	QPSK	50	24	21.85	0.153	21.80	0.151	21.92	0.156
20	QPSK	50	50	21.67	0.147	21.66	0.147	21.52	0.142
20	QPSK	100	0	21.88	0.154	21.66	0.147	21.72	0.149
20	16QAM	1	0	23.01	0.200	22.91	0.195	22.65	0.184
20	16QAM	1	49	23.09	0.204	22.83	0.192	23.04	0.201
20	16QAM	1	99	23.08	0.203	22.81	0.191	23.10	0.204
20	16QAM	50	0	21.77	0.150	22.05	0.160	22.05	0.160
20	16QAM	50	24	21.57	0.144	21.99	0.158	21.95	0.157
20	16QAM	50	50	21.56	0.143	21.88	0.154	21.57	0.144
20	16QAM	100	0	21.56	0.143	21.95	0.157	21.83	0.152
20	64QAM	1	0	22.93	0.196	22.82	0.191	22.48	0.177
20	64QAM	1	49	23.01	0.200	22.74	0.188	22.98	0.199
20	64QAM	1	99	23.00	0.200	22.72	0.187	23.04	0.201
20	64QAM	50	0	21.69	0.148	21.96	0.157	21.97	0.157
20	64QAM	50	24	21.49	0.141	21.90	0.155	21.89	0.155
20	64QAM	50	50	21.58	0.144	21.79	0.151	21.51	0.142
20	64QAM	100	0	21.48	0.141	21.86	0.153	21.77	0.150

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	22.47	0.177	22.01	0.159	22.48	0.177
15	QPSK	1	37	23.20	0.209	22.59	0.182	23.11	0.205
15	QPSK	1	74	22.31	0.170	22.55	0.180	22.24	0.167
15	QPSK	36	0	21.98	0.158	21.86	0.153	21.79	0.151
15	QPSK	36	20	21.82	0.152	21.77	0.150	21.89	0.155
15	QPSK	36	39	21.64	0.146	21.63	0.146	21.49	0.141
15	QPSK	75	0	21.85	0.153	21.63	0.146	21.69	0.148
15	16QAM	1	0	22.98	0.199	22.88	0.194	22.62	0.183
15	16QAM	1	37	23.06	0.202	22.80	0.191	23.01	0.200
15	16QAM	1	74	23.05	0.202	22.78	0.190	23.07	0.203
15	16QAM	36	0	21.74	0.149	22.02	0.159	22.02	0.159
15	16QAM	36	20	21.54	0.143	21.96	0.157	21.92	0.156
15	16QAM	36	39	21.53	0.142	21.85	0.153	21.54	0.143
15	16QAM	75	0	21.53	0.142	21.92	0.156	21.80	0.151
15	64QAM	1	0	22.90	0.195	22.79	0.190	22.45	0.176
15	64QAM	1	37	22.98	0.199	22.71	0.187	22.95	0.197
15	64QAM	1	74	22.97	0.198	22.69	0.186	23.01	0.200
15	64QAM	36	0	21.66	0.147	21.93	0.156	21.94	0.156
15	64QAM	36	20	21.46	0.140	21.87	0.154	21.86	0.153
15	64QAM	36	39	21.55	0.143	21.76	0.150	21.48	0.141
15	64QAM	75	0	21.45	0.140	21.83	0.152	21.74	0.149

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	22.45	0.176	21.99	0.158	22.46	0.176
10	QPSK	1	25	23.18	0.208	22.57	0.181	23.09	0.204
10	QPSK	1	49	22.29	0.169	22.53	0.179	22.22	0.167
10	QPSK	25	0	21.96	0.157	21.84	0.153	21.77	0.150
10	QPSK	25	12	21.80	0.151	21.75	0.150	21.87	0.154
10	QPSK	25	25	21.62	0.145	21.61	0.145	21.47	0.140
10	QPSK	50	0	21.83	0.152	21.61	0.145	21.67	0.147
10	16QAM	1	0	22.96	0.198	22.86	0.193	22.60	0.182
10	16QAM	1	25	23.04	0.201	22.78	0.190	22.99	0.199
10	16QAM	1	49	23.03	0.201	22.76	0.189	23.05	0.202
10	16QAM	25	0	21.72	0.149	22.00	0.158	22.00	0.158
10	16QAM	25	12	21.52	0.142	21.94	0.156	21.90	0.155
10	16QAM	25	25	21.51	0.142	21.83	0.152	21.52	0.142
10	16QAM	50	0	21.51	0.142	21.90	0.155	21.78	0.151
10	64QAM	1	0	22.88	0.194	22.77	0.189	22.43	0.175
10	64QAM	1	25	22.96	0.198	22.69	0.186	22.93	0.196
10	64QAM	1	49	22.95	0.197	22.67	0.185	22.99	0.199
10	64QAM	25	0	21.64	0.146	21.91	0.155	21.92	0.156
10	64QAM	25	12	21.44	0.139	21.85	0.153	21.84	0.153
10	64QAM	25	25	21.53	0.142	21.74	0.149	21.46	0.140
10	64QAM	50	0	21.43	0.139	21.81	0.152	21.72	0.149

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	23.16	0.207	22.55	0.180	23.07	0.203
5	QPSK	1	12	22.27	0.169	22.51	0.178	22.20	0.166
5	QPSK	1	24	21.94	0.156	21.82	0.152	21.75	0.150
5	QPSK	12	0	21.78	0.151	21.73	0.149	21.85	0.153
5	QPSK	12	7	21.60	0.145	21.59	0.144	21.45	0.140
5	QPSK	12	13	21.81	0.152	21.59	0.144	21.65	0.146
5	QPSK	25	0	22.94	0.197	22.84	0.192	22.58	0.181
5	16QAM	1	0	23.02	0.200	22.76	0.189	22.97	0.198
5	16QAM	1	12	23.01	0.200	22.74	0.188	23.03	0.201
5	16QAM	1	24	21.70	0.148	21.98	0.158	21.98	0.158
5	16QAM	12	0	21.50	0.141	21.92	0.156	21.88	0.154
5	16QAM	12	7	21.49	0.141	21.81	0.152	21.50	0.141
5	16QAM	12	13	21.49	0.141	21.88	0.154	21.76	0.150
5	16QAM	25	0	22.86	0.193	22.75	0.188	22.41	0.174
5	64QAM	1	0	22.94	0.197	22.67	0.185	22.91	0.195
5	64QAM	1	12	22.93	0.196	22.65	0.184	22.97	0.198
5	64QAM	1	24	21.62	0.145	21.89	0.155	21.90	0.155
5	64QAM	12	0	21.42	0.139	21.83	0.152	21.82	0.152
5	64QAM	12	7	21.51	0.142	21.72	0.149	21.44	0.139
5	64QAM	12	13	21.41	0.138	21.79	0.151	21.70	0.148
5	64QAM	25	0	21.14	0.130	21.52	0.142	21.43	0.139

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	22.41	0.174	21.95	0.157	22.42	0.175
3	QPSK	1	8	23.14	0.206	22.53	0.179	23.05	0.202
3	QPSK	1	14	22.25	0.168	22.49	0.177	22.18	0.165
3	QPSK	8	0	21.92	0.156	21.80	0.151	21.73	0.149
3	QPSK	8	4	21.76	0.150	21.71	0.148	21.83	0.152
3	QPSK	8	7	21.58	0.144	21.57	0.144	21.43	0.139
3	QPSK	15	0	21.79	0.151	21.57	0.144	21.63	0.146
3	16QAM	1	0	22.92	0.196	22.82	0.191	22.56	0.180
3	16QAM	1	8	23.00	0.200	22.74	0.188	22.95	0.197
3	16QAM	1	14	22.99	0.199	22.72	0.187	23.01	0.200
3	16QAM	8	0	21.68	0.147	21.96	0.157	21.96	0.157
3	16QAM	8	4	21.48	0.141	21.90	0.155	21.86	0.153
3	16QAM	8	7	21.47	0.140	21.79	0.151	21.48	0.141
3	16QAM	15	0	21.47	0.140	21.86	0.153	21.74	0.149
3	64QAM	1	0	22.84	0.192	22.73	0.187	22.39	0.173
3	64QAM	1	8	22.92	0.196	22.65	0.184	22.89	0.195
3	64QAM	1	14	22.91	0.195	22.63	0.183	22.95	0.197
3	64QAM	8	0	21.60	0.145	21.87	0.154	21.88	0.154
3	64QAM	8	4	21.40	0.138	21.81	0.152	21.80	0.151
3	64QAM	8	7	21.49	0.141	21.70	0.148	21.42	0.139
3	64QAM	15	0	21.39	0.138	21.77	0.150	21.68	0.147

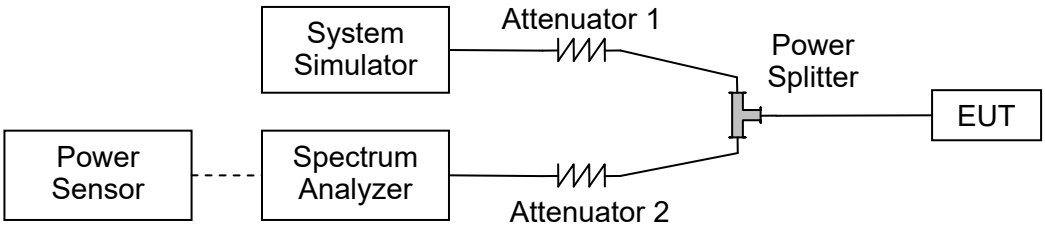
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.39	0.173	21.93	0.156	22.40	0.174
1.4	QPSK	1	3	23.12	0.205	22.51	0.178	23.03	0.201
1.4	QPSK	1	5	22.23	0.167	22.47	0.177	22.16	0.164
1.4	QPSK	3	0	21.90	0.155	21.78	0.151	21.71	0.148
1.4	QPSK	3	1	21.74	0.149	21.69	0.148	21.81	0.152
1.4	QPSK	3	3	21.56	0.143	21.55	0.143	21.41	0.138
1.4	QPSK	6	0	21.77	0.150	21.55	0.143	21.61	0.145
1.4	16QAM	1	0	22.90	0.195	22.80	0.191	22.54	0.179
1.4	16QAM	1	3	22.98	0.199	22.72	0.187	22.93	0.196
1.4	16QAM	1	5	22.97	0.198	22.70	0.186	22.99	0.199
1.4	16QAM	3	0	21.66	0.147	21.94	0.156	21.94	0.156
1.4	16QAM	3	1	21.46	0.140	21.88	0.154	21.84	0.153
1.4	16QAM	3	3	21.45	0.140	21.77	0.150	21.46	0.140
1.4	16QAM	6	0	21.45	0.140	21.84	0.153	21.72	0.149
1.4	64QAM	1	0	22.82	0.191	22.71	0.187	22.37	0.173
1.4	64QAM	1	3	22.90	0.195	22.63	0.183	22.87	0.194
1.4	64QAM	1	5	22.89	0.195	22.61	0.182	22.93	0.196
1.4	64QAM	3	0	21.58	0.144	21.85	0.153	21.86	0.153
1.4	64QAM	3	1	21.38	0.137	21.79	0.151	21.78	0.151
1.4	64QAM	3	3	21.47	0.140	21.68	0.147	21.40	0.138
1.4	64QAM	6	0	21.37	0.137	21.75	0.150	21.66	0.147

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 50Ohm; 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

LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.12	1.46
	Low	16QAM	1.12	1.55
	Low	64QAM	1.11	1.44
	Mid	QPSK	1.12	1.48
	Mid	16QAM	1.12	1.53
	Mid	64QAM	1.11	1.51
	High	QPSK	1.12	1.47
	High	16QAM	1.12	1.53
	High	64QAM	1.12	1.48
3	Low	QPSK	2.74	3.37
	Low	16QAM	2.75	3.45
	Low	64QAM	2.74	3.43
	Mid	QPSK	2.73	3.4
	Mid	16QAM	2.74	3.41
	Mid	64QAM	2.73	3.34
	High	QPSK	2.73	3.4
	High	16QAM	2.74	3.43
	High	64QAM	2.74	3.41
5	Low	QPSK	4.52	5.37
	Low	16QAM	4.52	5.32
	Low	64QAM	4.52	5.34
	Mid	QPSK	4.53	5.39
	Mid	16QAM	4.53	5.31
	Mid	64QAM	4.51	5.28
	High	QPSK	4.54	5.39
	High	16QAM	4.53	5.34
	High	64QAM	4.52	5.26
10	Low	QPSK	8.98	9.95
	Low	16QAM	8.97	9.88
	Low	64QAM	8.92	9.58
	Mid	QPSK	8.99	10.01
	Mid	16QAM	8.96	9.97
	Mid	64QAM	9.00	10.06
	High	QPSK	8.98	9.91
	High	16QAM	8.95	9.94
	High	64QAM	8.96	9.89

15	Low	QPSK	13.46	14.65
	Low	16QAM	13.44	14.63
	Low	64QAM	13.44	14.75
	Mid	QPSK	13.44	14.65
	Mid	16QAM	13.47	14.75
	Mid	64QAM	13.45	14.62
	High	QPSK	13.42	14.58
	High	16QAM	13.41	14.59
	High	64QAM	13.43	14.6
20	Low	QPSK	17.87	19.32
	Low	16QAM	17.88	19.27
	Low	64QAM	17.90	19.20
	Mid	QPSK	17.94	19.42
	Mid	16QAM	17.96	19.33
	Mid	64QAM	17.94	19.38
	High	QPSK	17.85	19.26
	High	16QAM	17.90	19.30
	High	64QAM	17.88	19.29

LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.12	1.58
	Low	16QAM	1.13	1.52
	Low	64QAM	1.12	1.48
	Mid	QPSK	1.12	1.52
	Mid	16QAM	1.13	1.54
	Mid	64QAM	1.12	1.48
	High	QPSK	1.11	1.46
	High	16QAM	1.12	1.53
	High	64QAM	1.12	1.5
3	Low	QPSK	2.74	3.45
	Low	16QAM	2.74	3.43
	Low	64QAM	2.73	3.39
	Mid	QPSK	2.74	3.4
	Mid	16QAM	2.75	3.44
	Mid	64QAM	2.74	3.39
	High	QPSK	2.73	3.36
	High	16QAM	2.75	3.48
	High	64QAM	2.74	3.43
5	Low	QPSK	4.54	5.4
	Low	16QAM	4.53	5.37
	Low	64QAM	4.52	5.32
	Mid	QPSK	4.54	5.39
	Mid	16QAM	4.53	5.35
	Mid	64QAM	4.51	5.32
	High	QPSK	4.53	5.41
	High	16QAM	4.53	5.31
	High	64QAM	4.52	5.3
10	Low	QPSK	9.00	9.97
	Low	16QAM	8.98	9.99
	Low	64QAM	8.99	9.99
	Mid	QPSK	9.01	9.99
	Mid	16QAM	8.97	9.95
	Mid	64QAM	8.99	10.05
	High	QPSK	9.00	9.98
	High	16QAM	8.98	9.9
	High	64QAM	9.00	9.98

15	Low	QPSK	13.47	14.61
	Low	16QAM	13.47	14.69
	Low	64QAM	13.48	14.74
	Mid	QPSK	13.45	14.63
	Mid	16QAM	13.46	14.61
	Mid	64QAM	13.45	14.75
	High	QPSK	13.48	14.62
	High	16QAM	13.47	14.62
	High	64QAM	13.46	14.7
20	Low	QPSK	17.93	19.33
	Low	16QAM	17.94	19.32
	Low	64QAM	17.94	19.29
	Mid	QPSK	17.92	19.39
	Mid	16QAM	17.96	19.31
	Mid	64QAM	17.91	19.34
	High	QPSK	17.94	19.27
	High	16QAM	17.93	19.36
	High	64QAM	17.92	19.36

LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.11	1.48
	Low	16QAM	1.12	1.51
	Low	64QAM	1.11	1.50
	Mid	QPSK	1.12	1.50
	Mid	16QAM	1.12	1.53
	Mid	64QAM	1.11	1.48
	High	QPSK	1.12	1.48
	High	16QAM	1.12	1.51
	High	64QAM	1.12	1.47
3	Low	QPSK	2.73	3.38
	Low	16QAM	2.74	3.41
	Low	64QAM	2.74	3.44
	Mid	QPSK	2.74	3.42
	Mid	16QAM	2.74	3.44
	Mid	64QAM	2.74	3.43
	High	QPSK	2.73	3.41
	High	16QAM	2.75	3.42
	High	64QAM	2.74	3.44
5	Low	QPSK	4.54	5.41
	Low	16QAM	4.54	5.37
	Low	64QAM	4.53	5.33
	Mid	QPSK	4.53	5.42
	Mid	16QAM	4.53	5.34
	Mid	64QAM	4.53	5.31
	High	QPSK	4.53	5.37
	High	16QAM	4.52	5.27
	High	64QAM	4.53	5.19
10	Low	QPSK	9.02	9.99
	Low	16QAM	8.99	9.89
	Low	64QAM	9.01	10.02
	Mid	QPSK	9.04	10.02
	Mid	16QAM	8.99	9.96
	Mid	64QAM	9.03	10.04
	High	QPSK	8.94	9.85
	High	16QAM	8.91	9.79
	High	64QAM	8.93	9.85

LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	5.20
	Low	16QAM	4.49	5.29
	Low	64QAM	4.48	5.24
	Mid	QPSK	4.53	5.41
	Mid	16QAM	4.52	5.40
	Mid	64QAM	4.51	5.46
	High	QPSK	4.50	5.32
	High	16QAM	4.51	5.20
	High	64QAM	4.50	5.22
10	Low	QPSK	/	/
	Low	16QAM	/	/
	Low	64QAM	/	/
	Mid	QPSK	8.90	9.68
	Mid	16QAM	8.90	9.63
	Mid	64QAM	8.88	9.63
	High	QPSK	/	/
	High	16QAM	/	/
	High	64QAM	/	/

LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.11	1.50
	Low	16QAM	1.11	1.46
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.11	1.48
	Mid	16QAM	1.11	1.46
	Mid	64QAM	1.10	1.24
	High	QPSK	1.11	1.46
	High	16QAM	1.11	1.49
	High	64QAM	1.09	1.23
3	Low	QPSK	2.73	3.34
	Low	16QAM	2.73	3.29
	Low	64QAM	2.69	2.98
	Mid	QPSK	2.73	3.29
	Mid	16QAM	2.72	3.33
	Mid	64QAM	2.70	2.97
	High	QPSK	2.72	3.34
	High	16QAM	2.72	3.35
	High	64QAM	2.69	2.97
5	Low	QPSK	4.51	5.25
	Low	16QAM	4.52	5.36
	Low	64QAM	4.47	4.77
	Mid	QPSK	4.51	5.28
	Mid	16QAM	4.51	5.37
	Mid	64QAM	4.49	4.98
	High	QPSK	4.52	5.39
	High	16QAM	4.51	5.36
	High	64QAM	4.44	4.76
10	Low	QPSK	8.98	9.86
	Low	16QAM	8.96	9.82
	Low	64QAM	8.99	9.40
	Mid	QPSK	8.96	9.82
	Mid	16QAM	8.96	9.85
	Mid	64QAM	8.95	9.38
	High	QPSK	8.93	9.92
	High	16QAM	8.96	9.90
	High	64QAM	8.92	9.59

15	Low	QPSK	13.40	14.48
	Low	16QAM	14.45	13.43
	Low	64QAM	13.50	14.47
	Mid	QPSK	13.43	14.45
	Mid	16QAM	13.42	14.44
	Mid	64QAM	13.42	14.07
	High	QPSK	13.39	14.32
	High	16QAM	13.38	14.46
	High	64QAM	13.39	14.53
20	Low	QPSK	17.84	19.13
	Low	16QAM	17.85	19.07
	Low	64QAM	17.97	19.41
	Mid	QPSK	17.83	19.06
	Mid	16QAM	17.86	19.12
	Mid	64QAM	17.95	19.43
	High	QPSK	17.81	19.13
	High	16QAM	17.78	19.00
	High	64QAM	17.88	19.30

Band2 / 1.4MHz / Low CH / QPSK

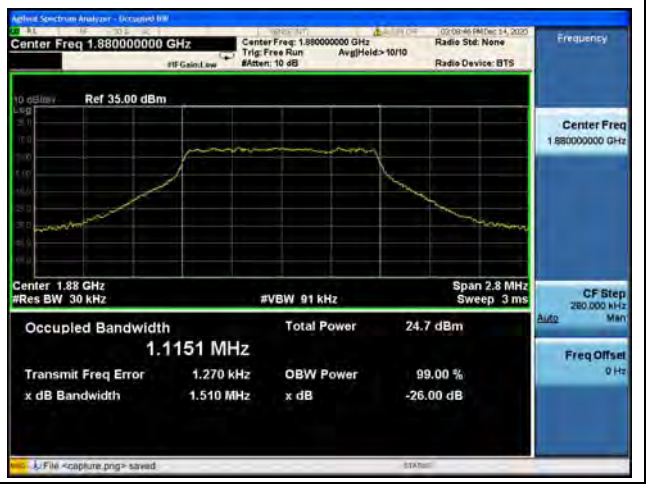
Band2 / 1.4MHz / Low CH / 16QAM

Band2 / 1.4MHz / Low CH / 64QAM

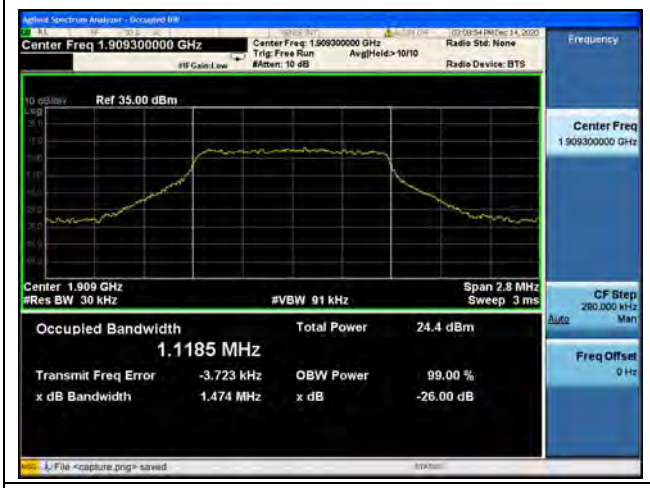
Band2 / 1.4MHz / Mid CH / QPSK

Band2 / 1.4MHz / Mid CH / 16QAM

Band2 / 1.4MHz / Mid CH / 64QAM



Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM

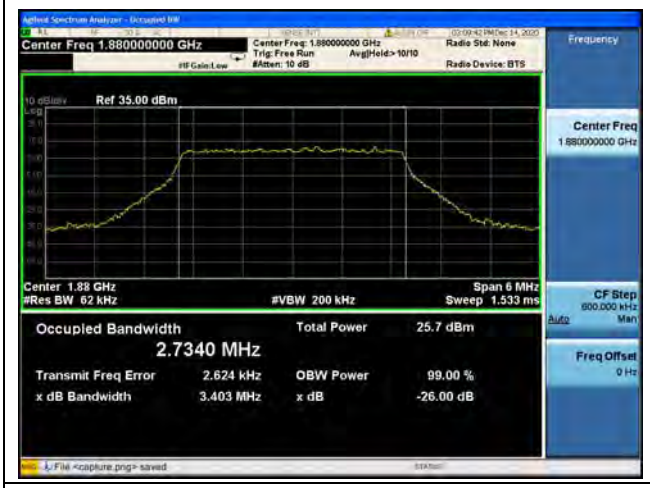
Band2 / 1.4MHz / High CH / 64QAM

Band2 / 3MHz / Low CH / QPSK

Band2 / 3MHz / Low CH / 16QAM

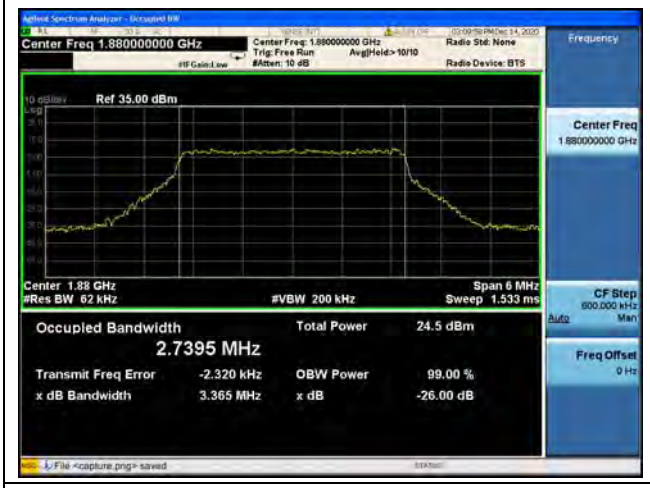
Band2 / 3MHz / Low CH / 64QAM

Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM

Band2 / 3MHz / Mid CH / 64QAM

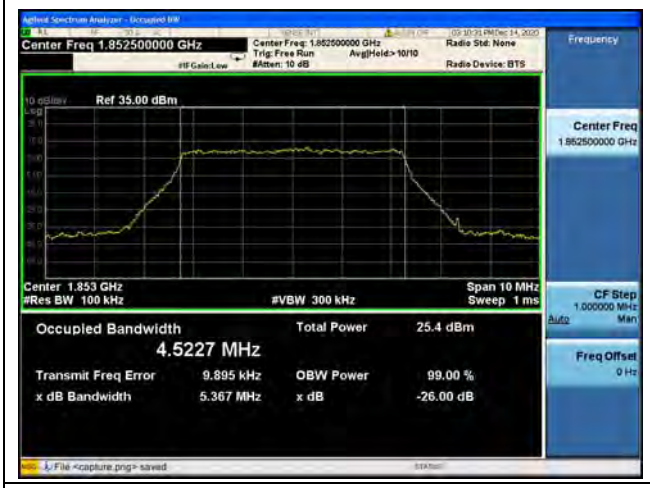


Band2 / 3MHz / High CH / QPSK

Band2 / 3MHz / High CH / 16QAM

Band2 / 3MHz / High CH / 64QAM

Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM

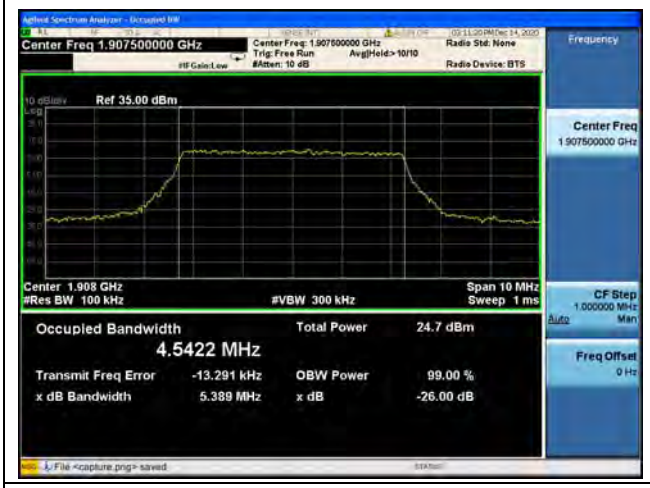
Band2 / 5MHz / Low CH / 64QAM

Band2 / 5MHz / Mid CH / QPSK

Band2 / 5MHz / Mid CH / 16QAM

Band2 / 5MHz / Mid CH / 64QAM

Band2 / 5MHz / High CH / QPSK



Band2 / 5MHz / High CH / 16QAM

Band2 / 5MHz / High CH / 64QAM

Band2 / 10MHz / Low CH / QPSK

Band2 / 10MHz / Low CH / 16QAM

Band2 / 10MHz / Low CH / 64QAM

Band2 / 10MHz / Mid CH / QPSK

Band2 / 10MHz / Mid CH / 16QAM

Band2 / 10MHz / Mid CH / 64QAM

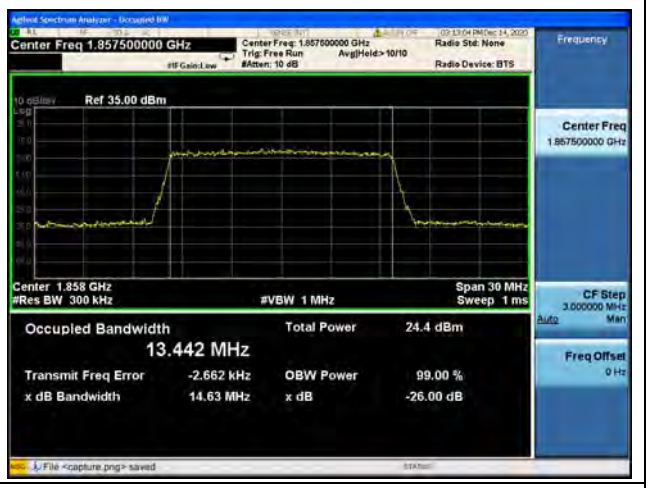
Band2 / 10MHz / High CH / QPSK

Band2 / 10MHz / High CH / 16QAM

Band2 / 10MHz / High CH / 64QAM

Band2 / 15MHz / Low CH / QPSK

Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM

Band2 / 15MHz / Mid CH / QPSK

Band2 / 15MHz / Mid CH / 16QAM

Band2 / 15MHz / Mid CH / 64QAM

Band2 / 15MHz / High CH / QPSK

Band2 / 15MHz / High CH / 16QAM

Band2 / 15MHz / High CH / 64QAM

Band2 / 20MHz / Low CH / QPSK

Band2 / 20MHz / Low CH / 16QAM

Band2 / 20MHz / Low CH / 64QAM

Band2 / 20MHz / Mid CH / QPSK

Band2 / 20MHz / Mid CH / 16QAM

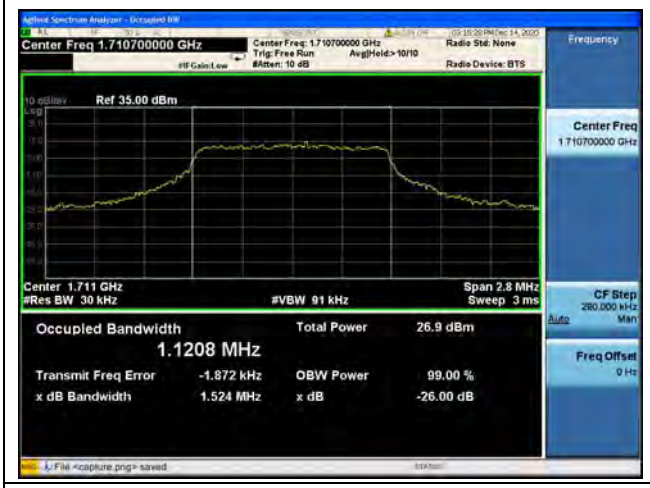
Band2 / 20MHz / Mid CH / 64QAM

Band2 / 20MHz / High CH / QPSK

Band2 / 20MHz / High CH / 16QAM

Band2 / 20MHz / High CH / 64QAM

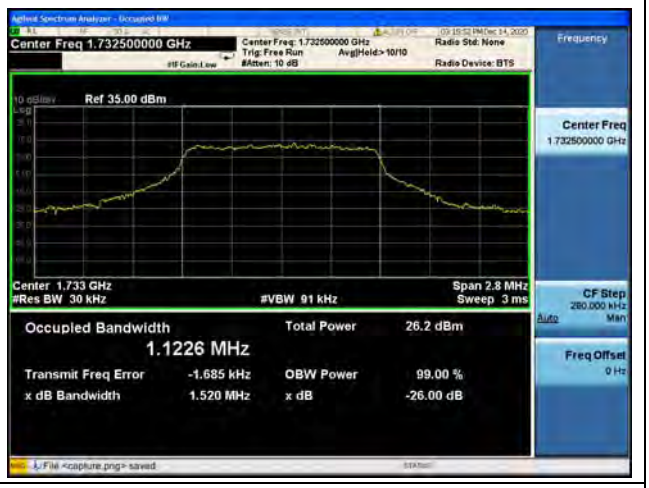
Band4 / 1.4MHz / Low CH / QPSK



Band4 / 1.4MHz / Low CH / 16QAM

Band4 / 1.4MHz / Low CH / 64QAM

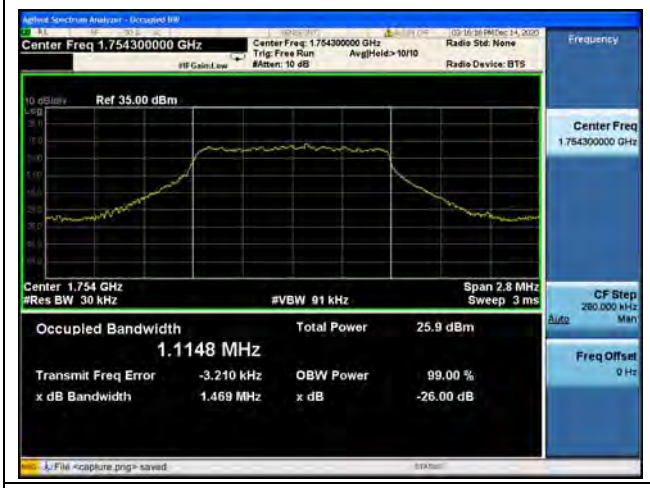
Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

Band4 / 1.4MHz / Mid CH / 64QAM

Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM

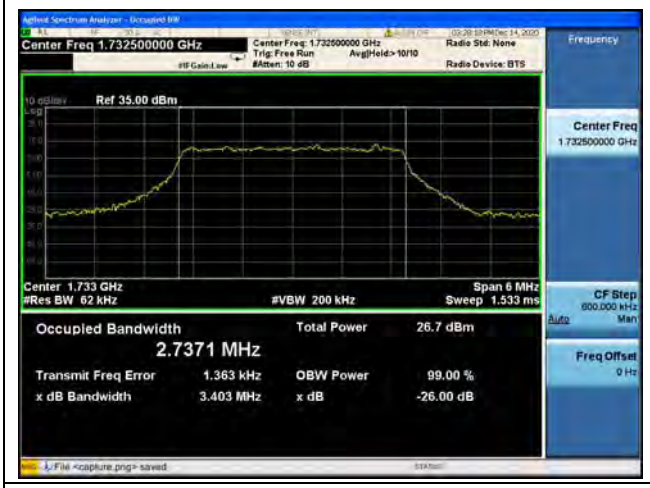
Band4 / 1.4MHz / High CH / 64QAM

Band4 / 3MHz / Low CH / QPSK

Band4 / 3MHz / Low CH / 16QAM

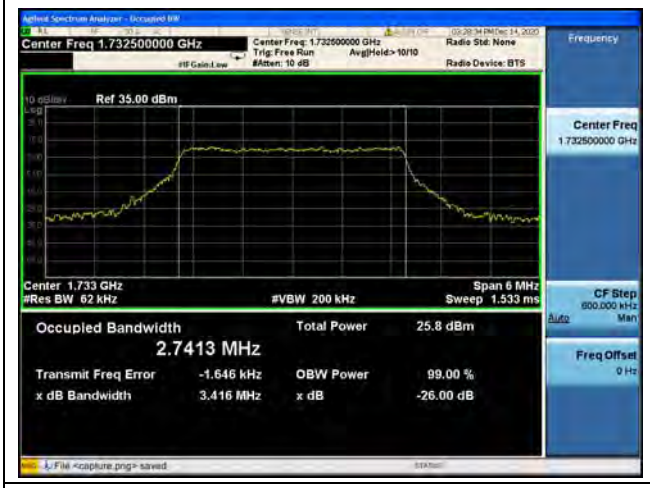
Band4 / 3MHz / Low CH / 64QAM

Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM

Band4 / 3MHz / Mid CH / 64QAM

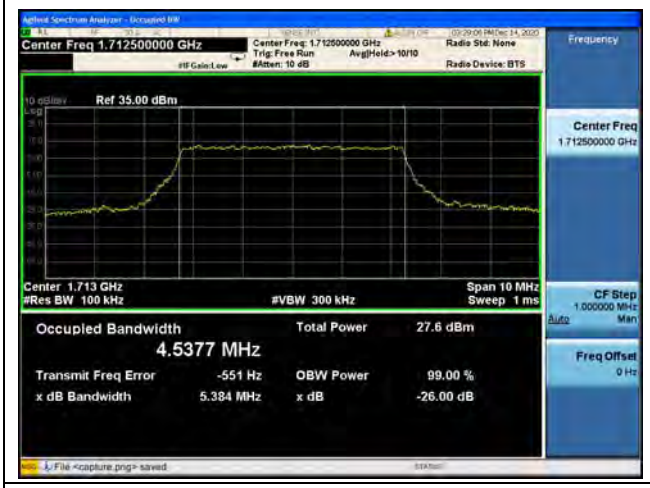


Band4 / 3MHz / High CH / QPSK

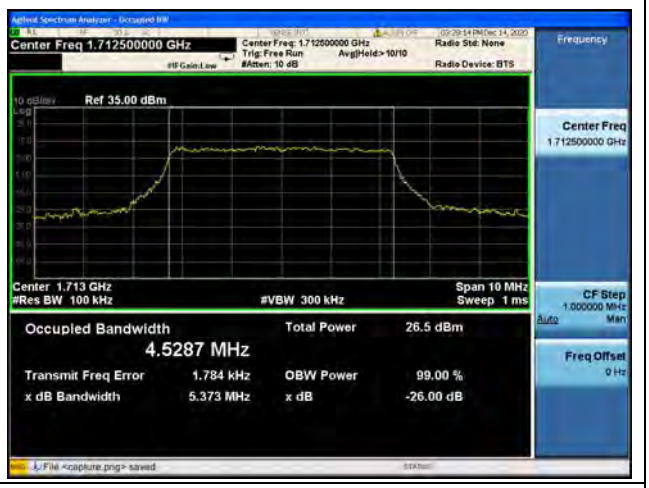
Band4 / 3MHz / High CH / 16QAM

Band4 / 3MHz / High CH / 64QAM

Band4 / 5MHz / Low CH / QPSK



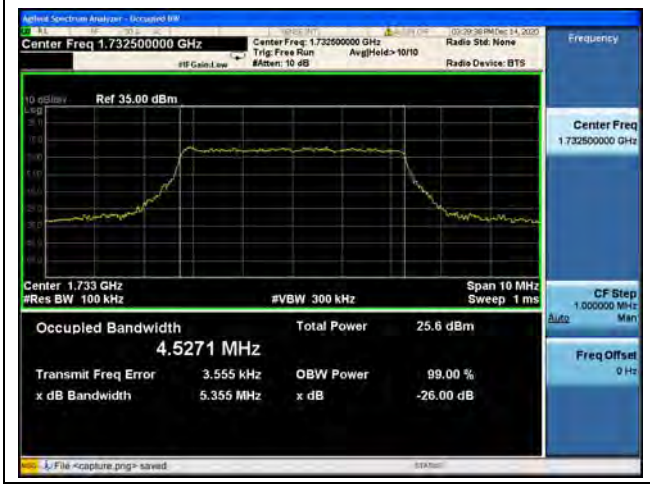
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM

Band4 / 5MHz / Mid CH / QPSK

Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / Mid CH / 64QAM

Band4 / 5MHz / High CH / QPSK

Band4 / 5MHz / High CH / 16QAM

Band4 / 5MHz / High CH / 64QAM

Band4 / 10MHz / Low CH / QPSK

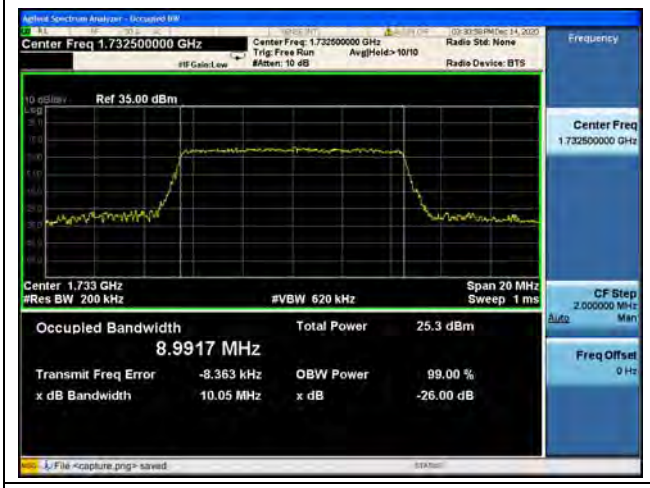
Band4 / 10MHz / Low CH / 16QAM

Band4 / 10MHz / Low CH / 64QAM

Band4 / 10MHz / Mid CH / QPSK

Band4 / 10MHz / Mid CH / 16QAM

Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK

Band4 / 10MHz / High CH / 16QAM

Band4 / 10MHz / High CH / 64QAM

Band4 / 15MHz / Low CH / QPSK

Band4 / 15MHz / Low CH / 16QAM

Band4 / 15MHz / Low CH / 64QAM

Band4 / 15MHz / Mid CH / QPSK

Band4 / 15MHz / Mid CH / 16QAM

Band4 / 15MHz / Mid CH / 64QAM

Band4 / 15MHz / High CH / QPSK

Band4 / 15MHz / High CH / 16QAM

Band4 / 15MHz / High CH / 64QAM

Band4 / 20MHz / Low CH / QPSK

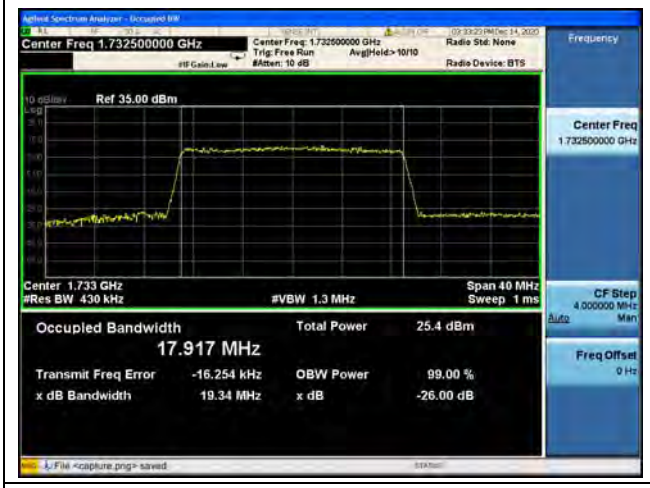
Band4 / 20MHz / Low CH / 16QAM

Band4 / 20MHz / Low CH / 64QAM

Band4 / 20MHz / Mid CH / QPSK

Band4 / 20MHz / Mid CH / 16QAM

Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK

Band4 / 20MHz / High CH / 16QAM

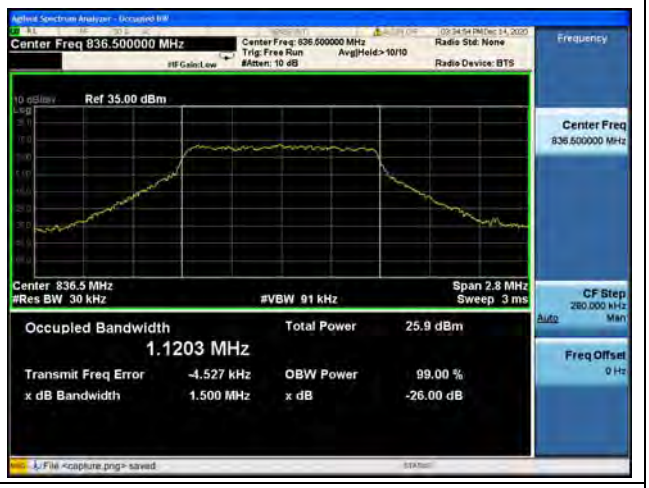
Band4 / 20MHz / High CH / 64QAM

Band5 / 1.4MHz / Low CH / QPSK

Band5 / 1.4MHz / Low CH / 16QAM

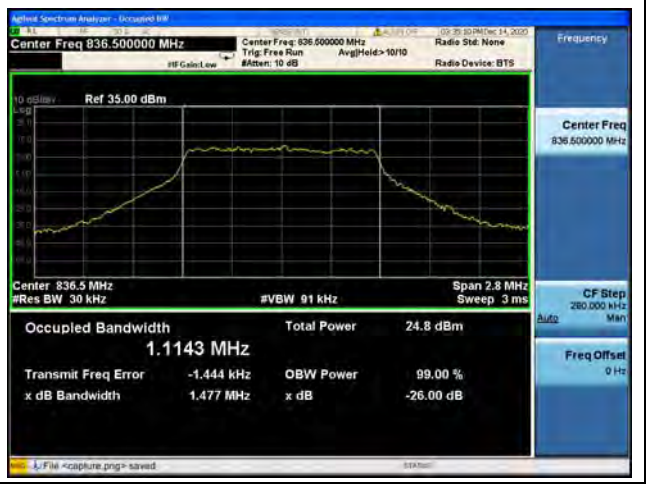
Band5 / 1.4MHz / Low CH / 64QAM

Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

Band5 / 1.4MHz / Mid CH / 64QAM



Band5 / 1.4MHz / High CH / QPSK

Band5 / 1.4MHz / High CH / 16QAM

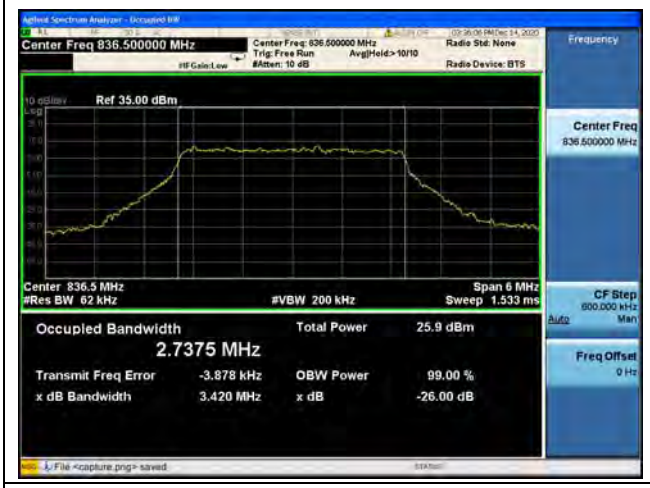
Band5 / 1.4MHz / High CH / 64QAM

Band5 / 3MHz / Low CH / QPSK

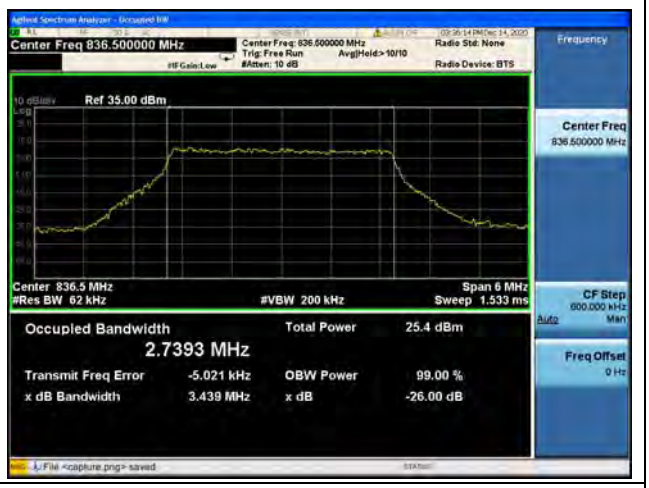
Band5 / 3MHz / Low CH / 16QAM

Band5 / 3MHz / Low CH / 64QAM

Band5 / 3MHz / Mid CH / QPSK

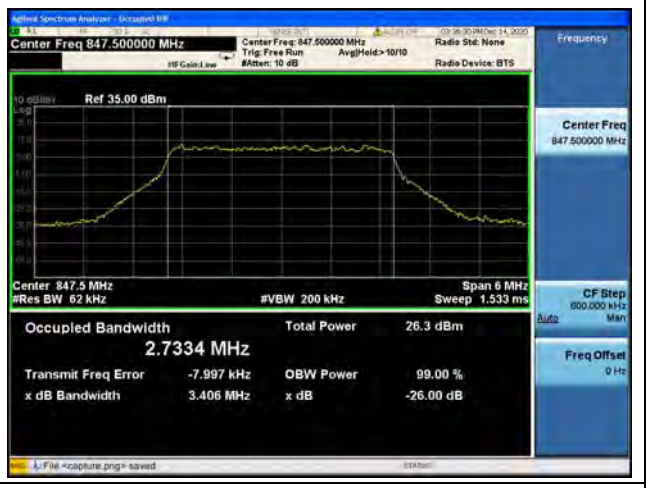


Band5 / 3MHz / Mid CH / 16QAM



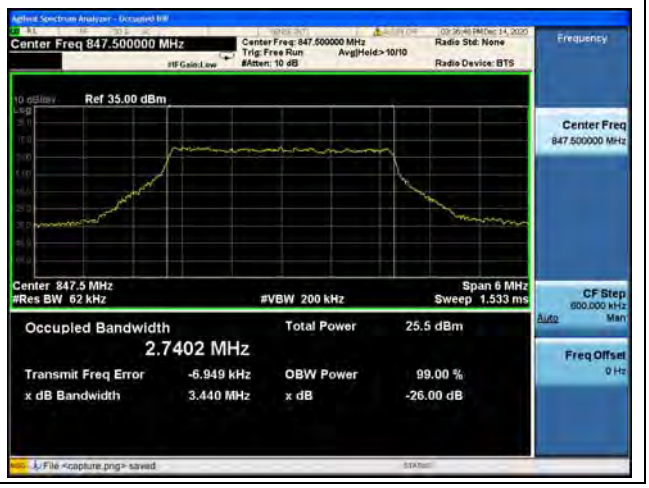
Band5 / 3MHz / Mid CH / 64QAM

Band5 / 3MHz / High CH / QPSK

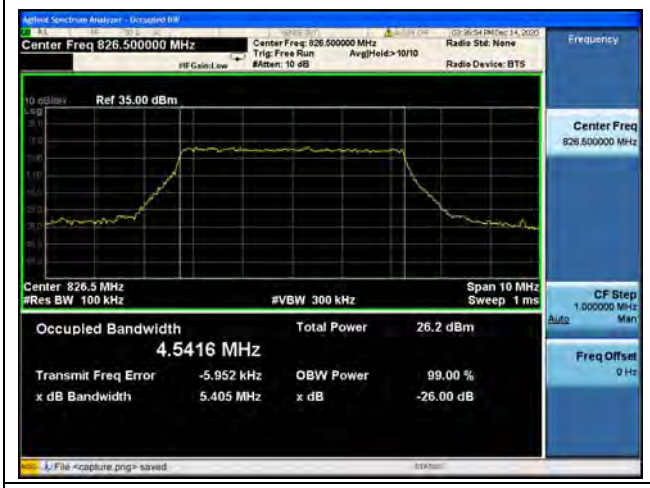


Band5 / 3MHz / High CH / 16QAM

Band5 / 3MHz / High CH / 64QAM



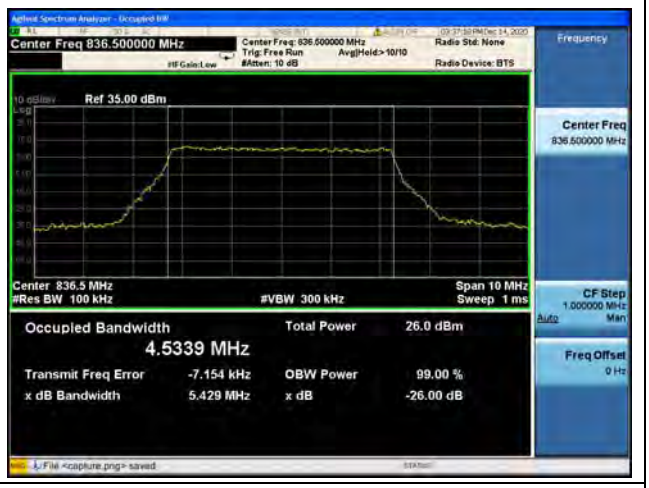
Band5 / 5MHz / Low CH / QPSK



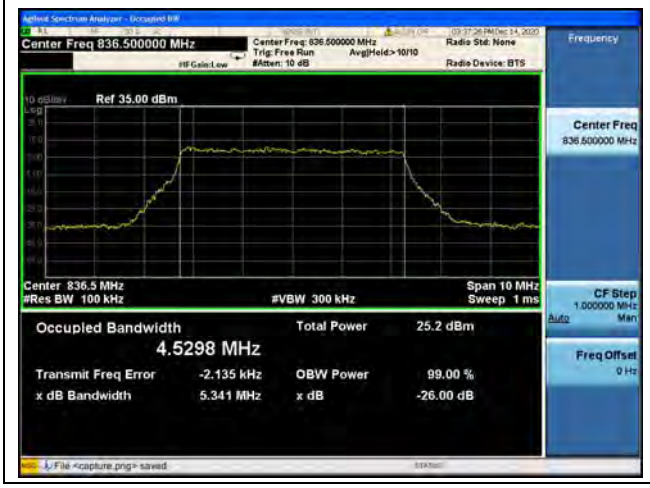
Band5 / 5MHz / Low CH / 16QAM

Band5 / 5MHz / Low CH / 64QAM

Band5 / 5MHz / Mid CH / QPSK

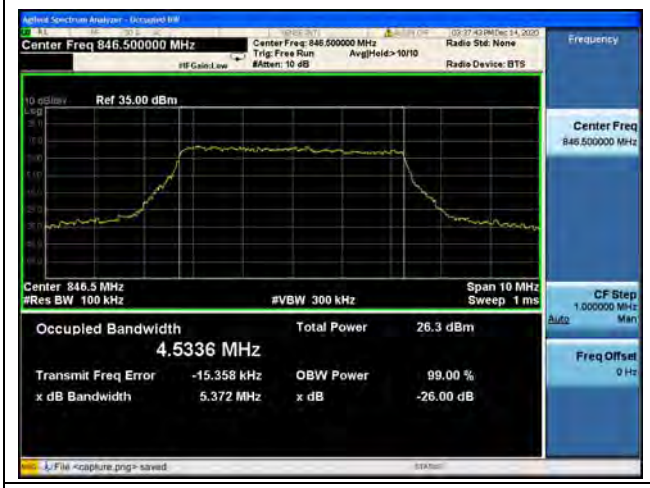


Band5 / 5MHz / Mid CH / 16QAM



Band5 / 5MHz / Mid CH / 64QAM

Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM

Band5 / 5MHz / High CH / 64QAM

Band5 / 10MHz / Low CH / QPSK

Band5 / 10MHz / Low CH / 16QAM

Band5 / 10MHz / Low CH / 64QAM

Band5 / 10MHz / Mid CH / QPSK

Band5 / 10MHz / Mid CH / 16QAM

Band5 / 10MHz / Mid CH / 64QAM

Band5 / 10MHz / High CH / QPSK

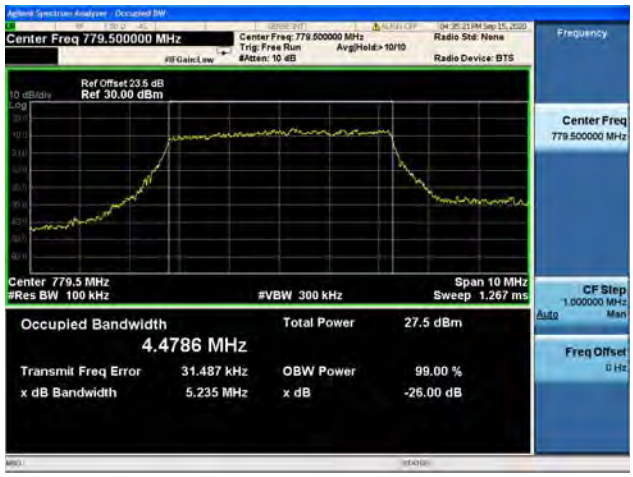
Band5 / 10MHz / High CH / 16QAM

Band5 / 10MHz / High CH / 64QAM

Band13 / 5MHz / Low CH / QPSK

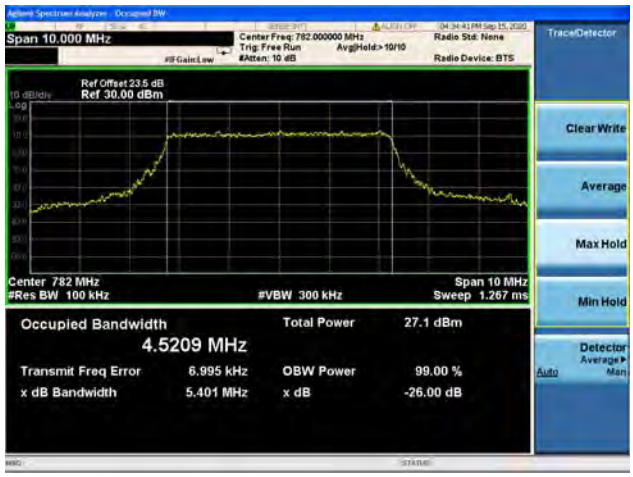
Band13 / 5MHz / Low CH / 16QAM

Band13 / 5MHz / Low CH / 64QAM

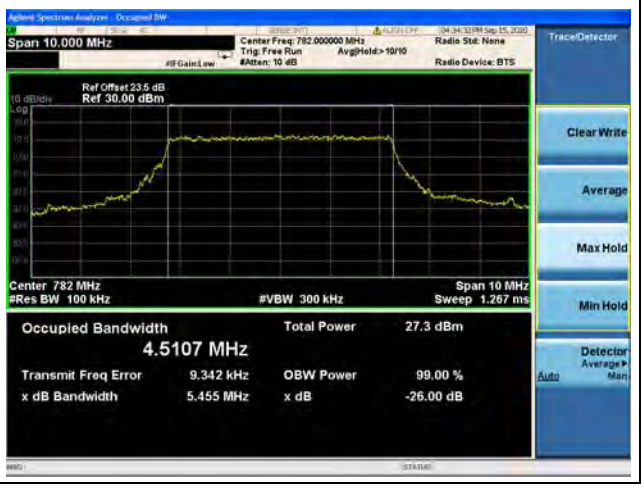


Band13 / 5MHz / Mid CH / QPSK

Band13 / 5MHz / Mid CH / 16QAM



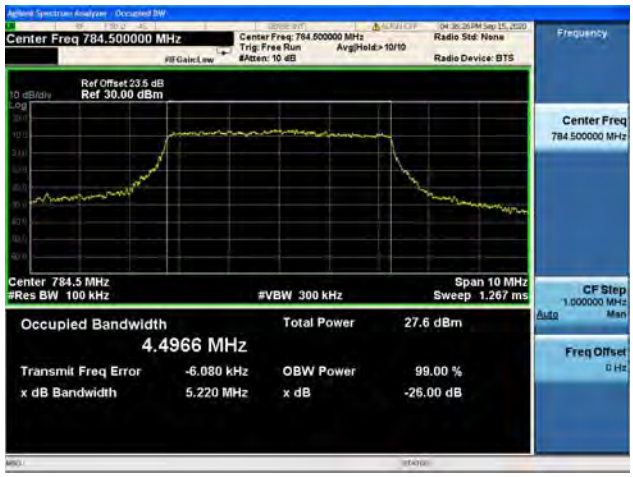
Band13 / 5MHz / Mid CH / 64QAM



Band13 / 5MHz / High CH / QPSK

Band13 / 5MHz / High CH / 16QAM

Band13 / 5MHz / High CH / 64QAM



Band13 / 10MHz / Mid CH / QPSK

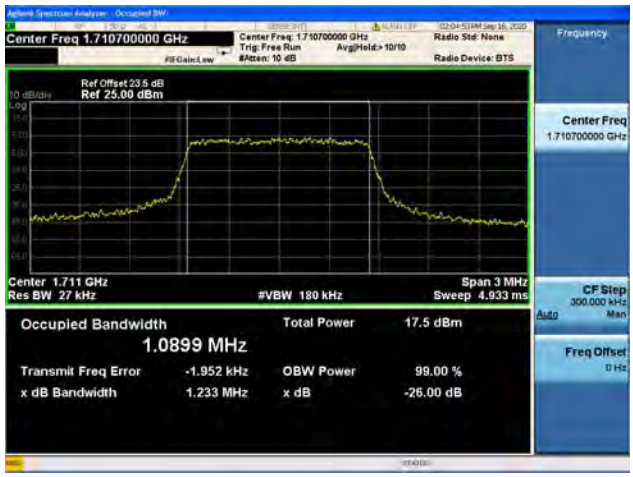
Band13 / 10MHz / Mid CH / 16QAM

Band13 / 10MHz / Mid CH / 64QAM

Band66 / 1.4MHz / Low CH / QPSK

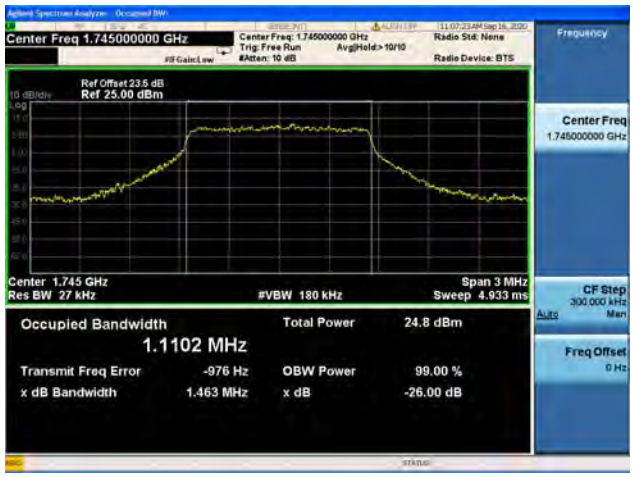
Band66 / 1.4MHz / Low CH / 16QAM

Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK

Band66 / 1.4MHz / Mid CH / 16QAM



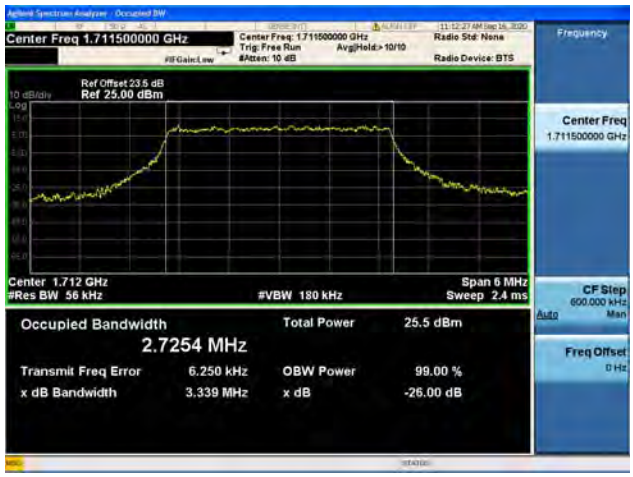
Band66 / 1.4MHz / Mid CH / 64QAM

Band66 / 1.4MHz / High CH / QPSK

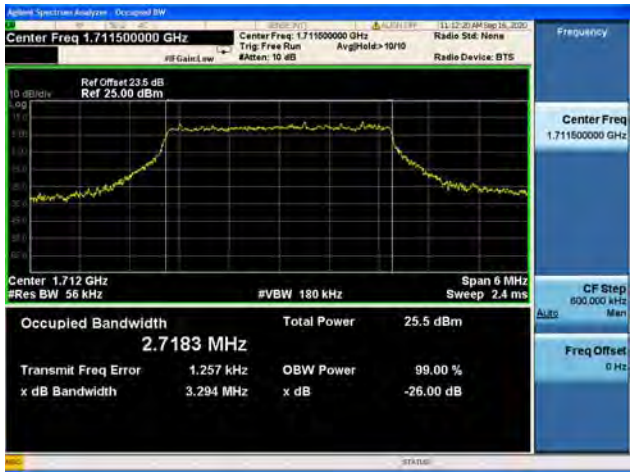
Band66 / 1.4MHz / High CH / 16QAM

Band66 / 1.4MHz / High CH / 64QAM

Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM



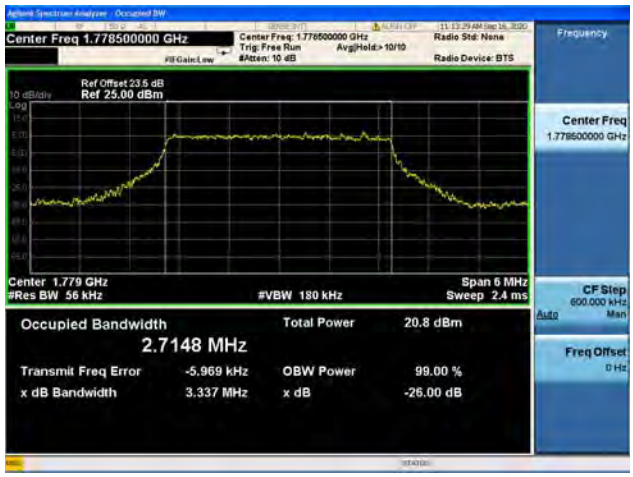
Band66 / 3MHz / Low CH / 64QAM

Band66 / 3MHz / Mid CH / QPSK

Band66 / 3MHz / Mid CH / 16QAM

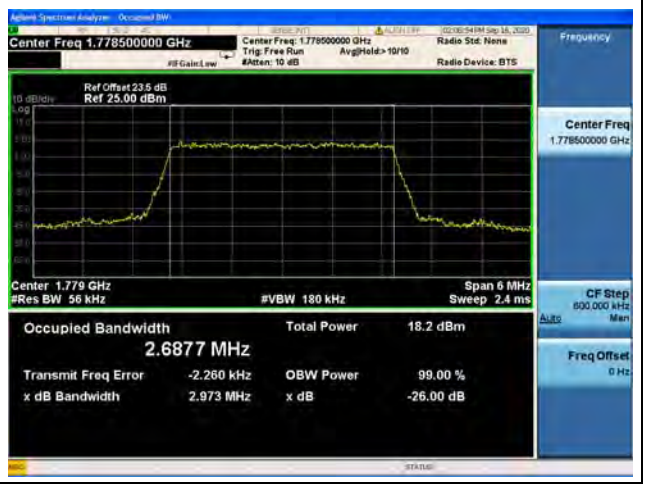
Band66 / 3MHz / Mid CH / 64QAM

Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

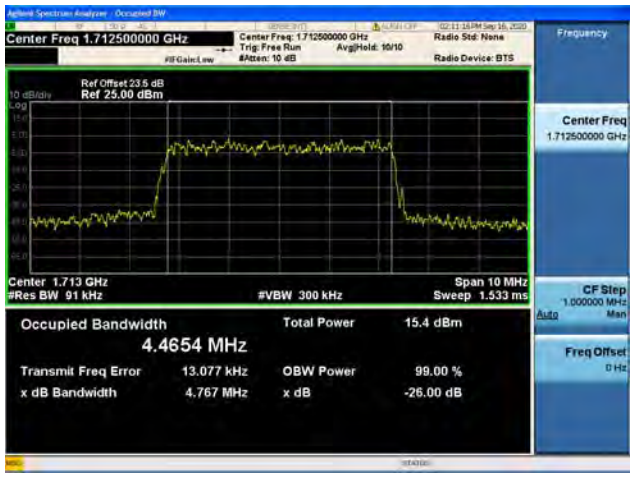
Band66 / 3MHz / High CH / 64QAM



Band66 / 5MHz / Low CH / QPSK

Band66 / 5MHz / Low CH / 16QAM

Band66 / 5MHz / Low CH / 64QAM



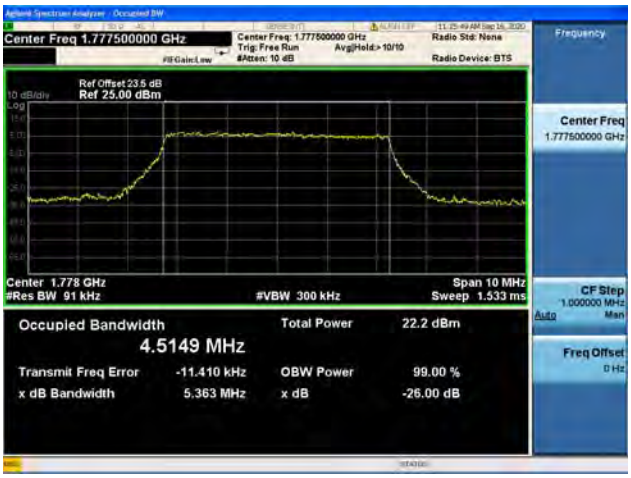
Band66 / 5MHz / Mid CH / QPSK

Band66 / 5MHz / Mid CH / 16QAM

Band66 / 5MHz / Mid CH / 64QAM

Band66 / 5MHz / High CH / QPSK

Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM

Band66 / 10MHz / Low CH / QPSK

Band66 / 10MHz / Low CH / 16QAM

Band66 / 10MHz / Low CH / 64QAM

Band66 / 10MHz / Mid CH / QPSK

Band66 / 10MHz / Mid CH / 16QAM

Band66 / 10MHz / Mid CH / 64QAM

Band66 / 10MHz / High CH / QPSK

Band66 / 10MHz / High CH / 16QAM

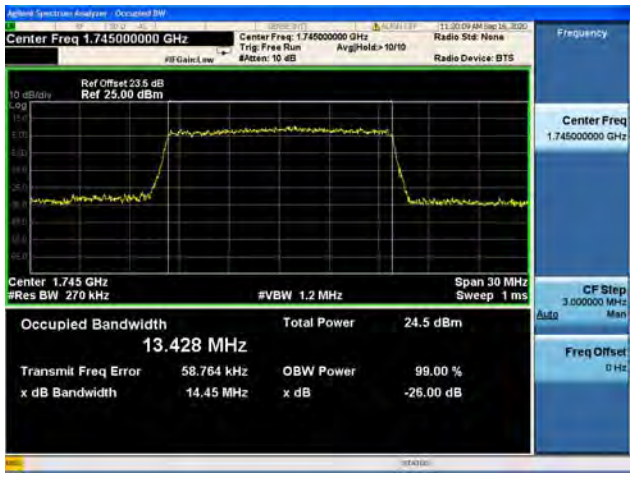
Band66 / 10MHz / High CH / 64QAM

Band66 / 15MHz / Low CH / QPSK

Band66 / 15MHz / Low CH / 16QAM

Band66 / 15MHz / Low CH / 64QAM

Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM

Band66 / 15MHz / Mid CH / 64QAM

Band66 / 15MHz / High CH / QPSK

Band66 / 15MHz / High CH / 16QAM

Band66 / 15MHz / High CH / 64QAM

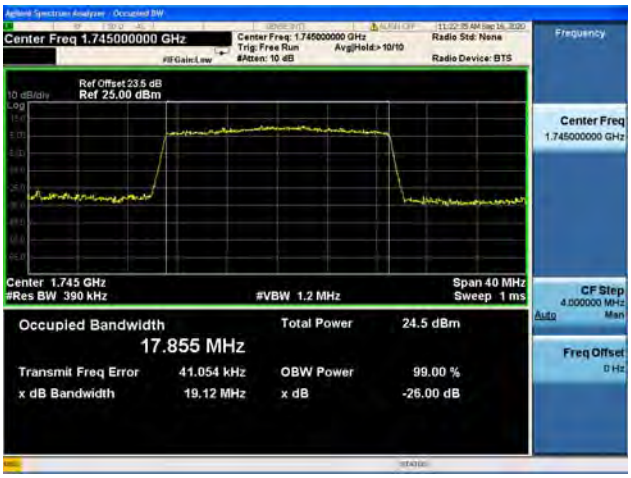
Band66 / 20MHz / Low CH / QPSK

Band66 / 20MHz / Low CH / 16QAM

Band66 / 20MHz / Low CH / 64QAM

Band66 / 20MHz / Mid CH / QPSK

Band66 / 20MHz / Mid CH / 16QAM



Band66 / 20MHz / Mid CH / 64QAM

Band66 / 20MHz / High CH / QPSK

Band66 / 20MHz / High CH / 16QAM

Band66 / 20MHz / High CH / 64QAM