Fig.1	Fig.2
Fig.3	Fig.4
Fig.5	Fig.6
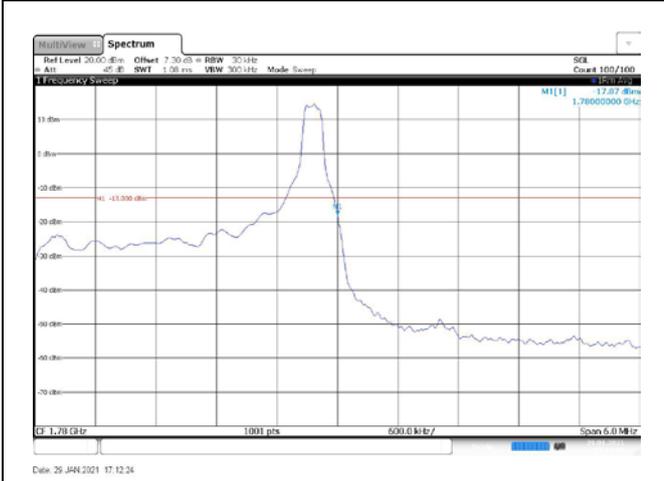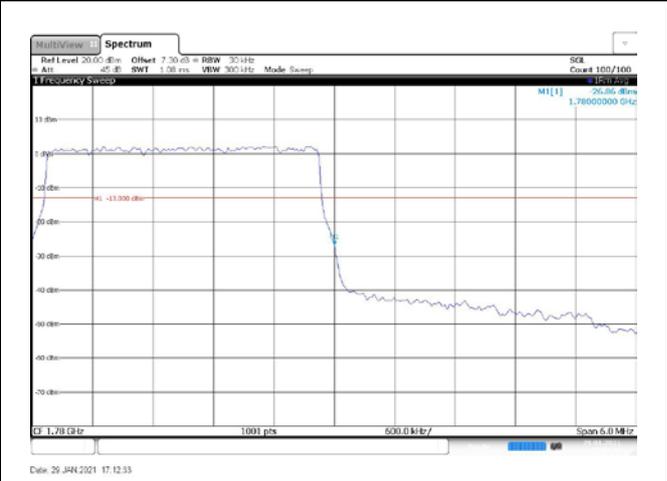
Fig.7	Fig.8
Fig.9	Fig.10
Fig.11	Fig.12

Fig.13

Fig.14

Fig.15

Fig.16

Fig.17

Fig.18

Fig.19	Fig.20
Fig.21	Fig.22
Fig.23	Fig.24
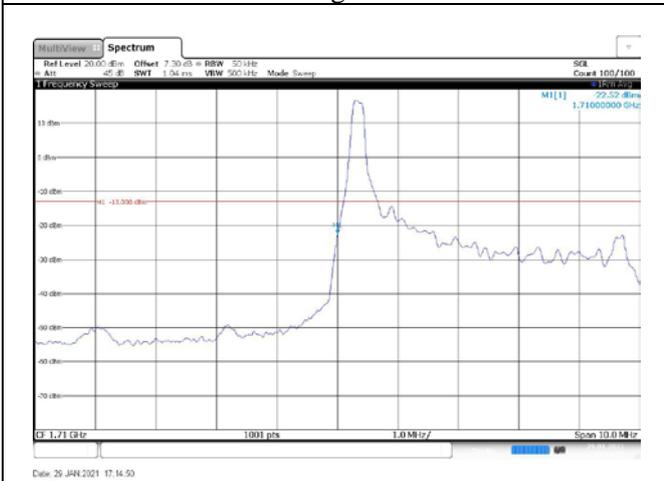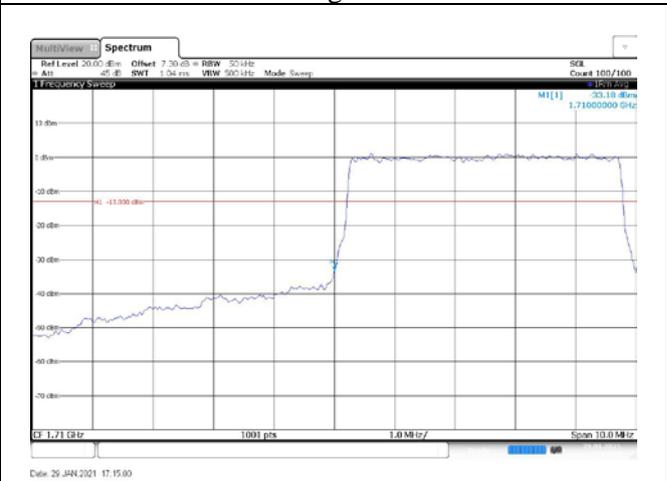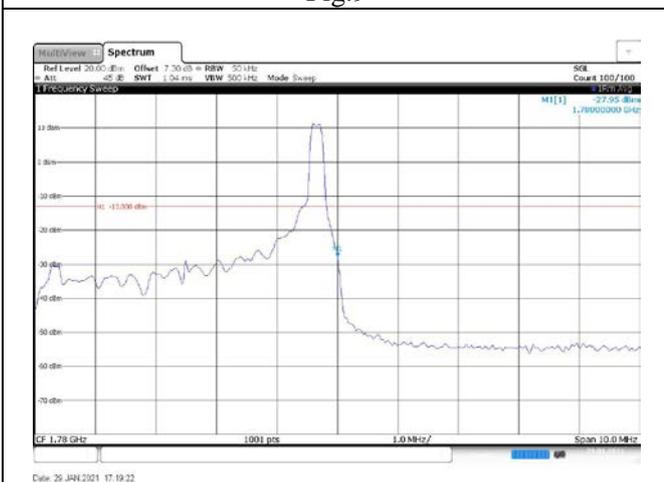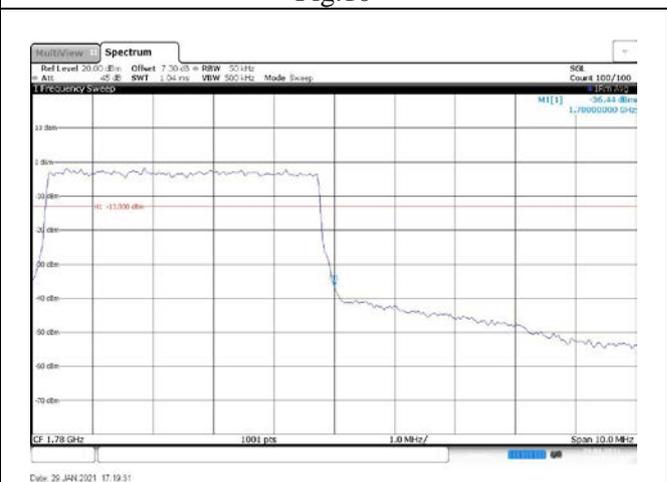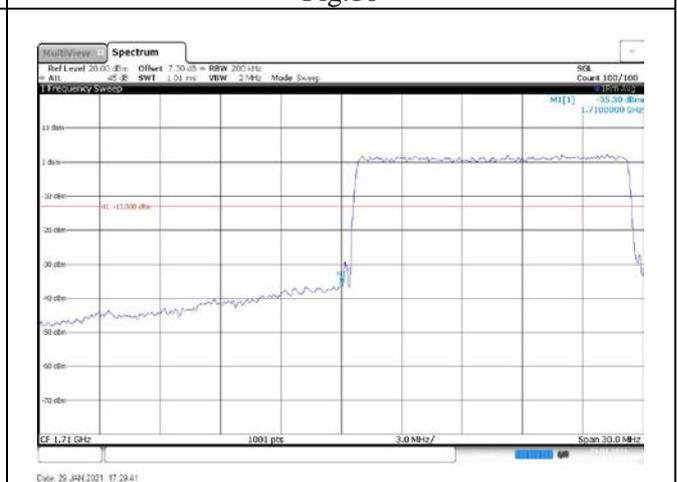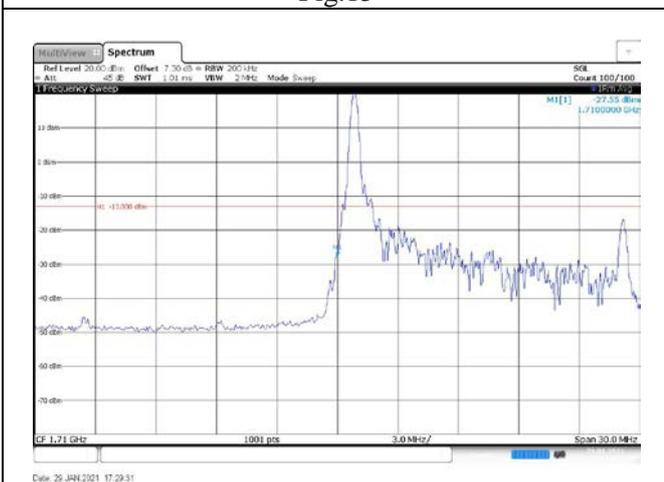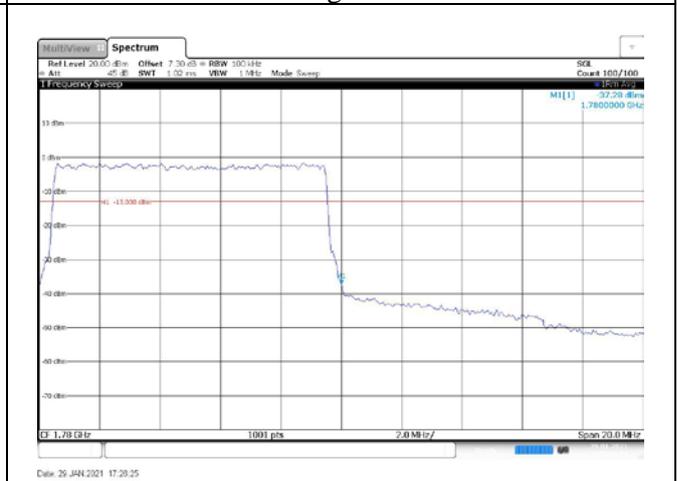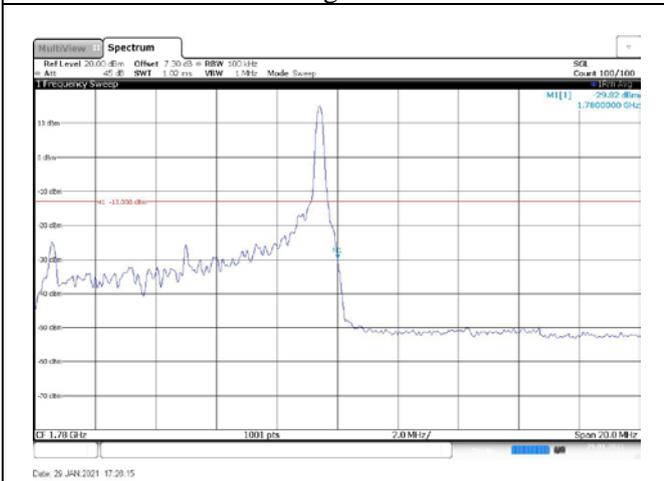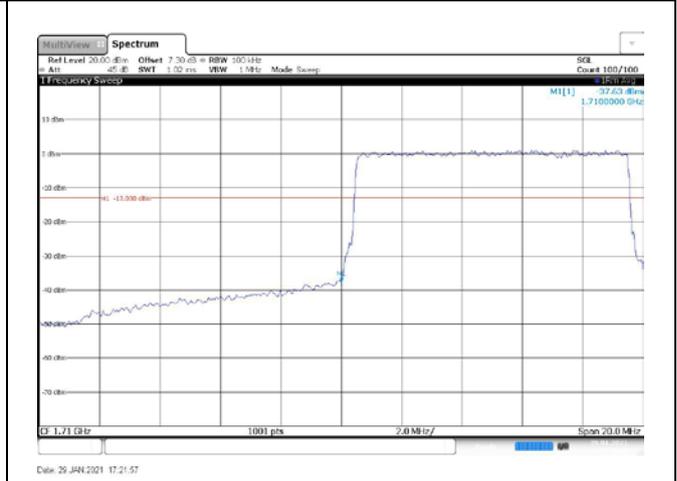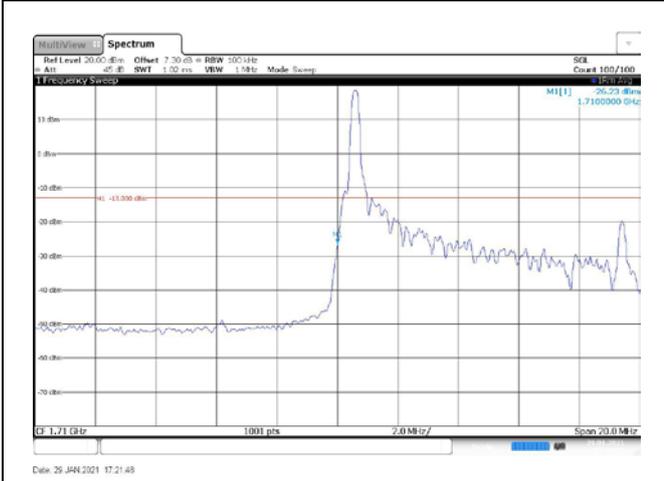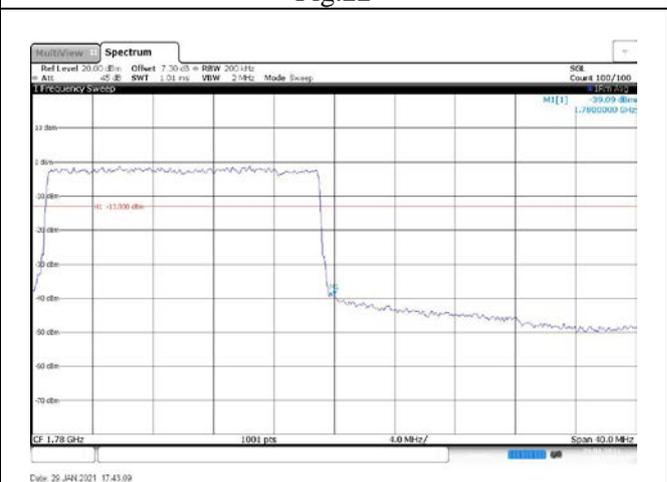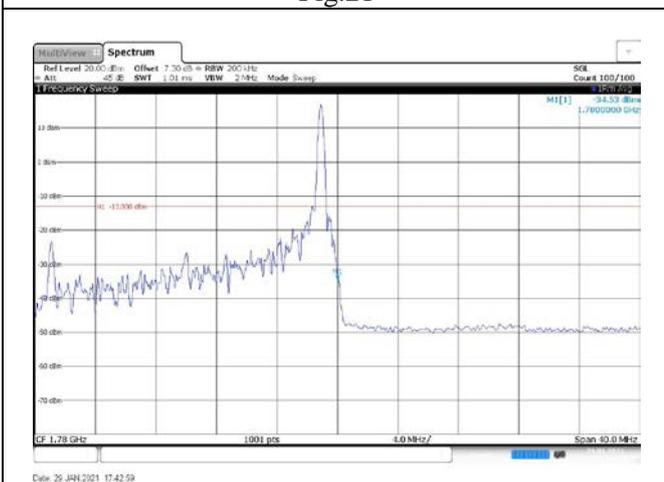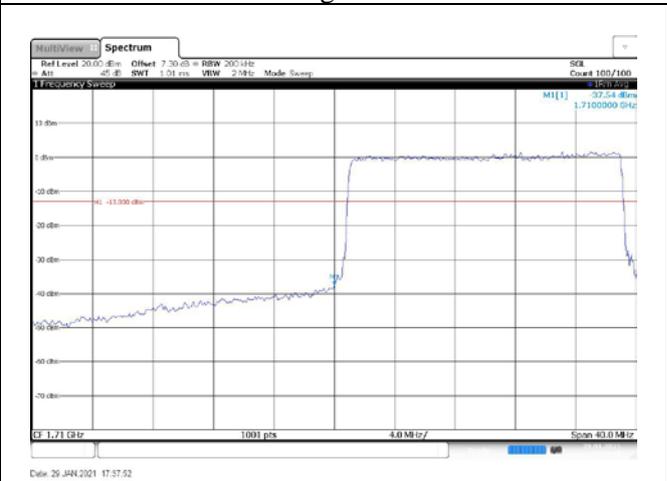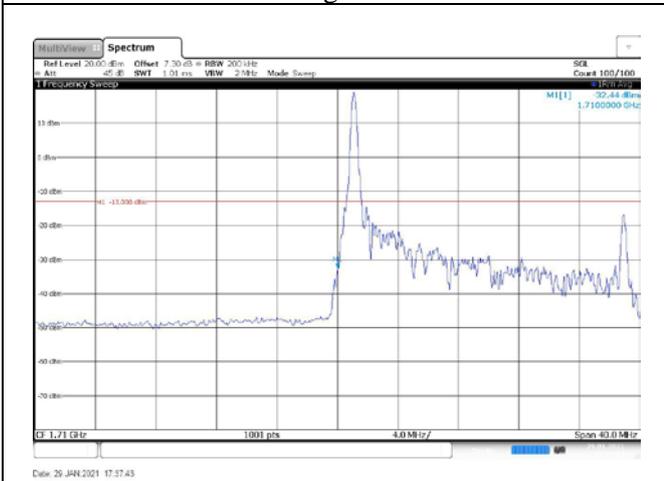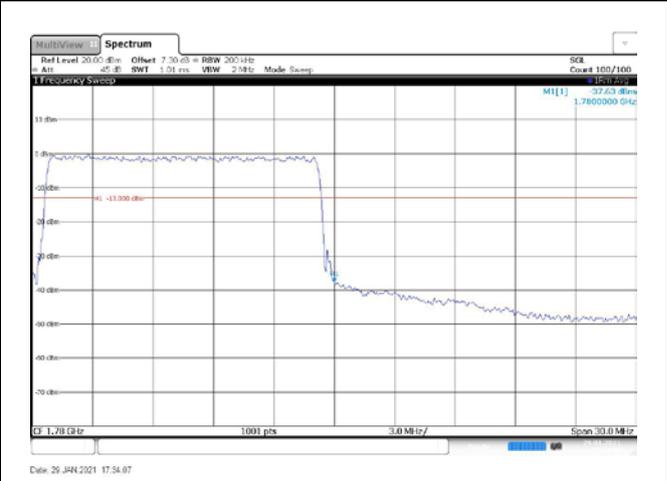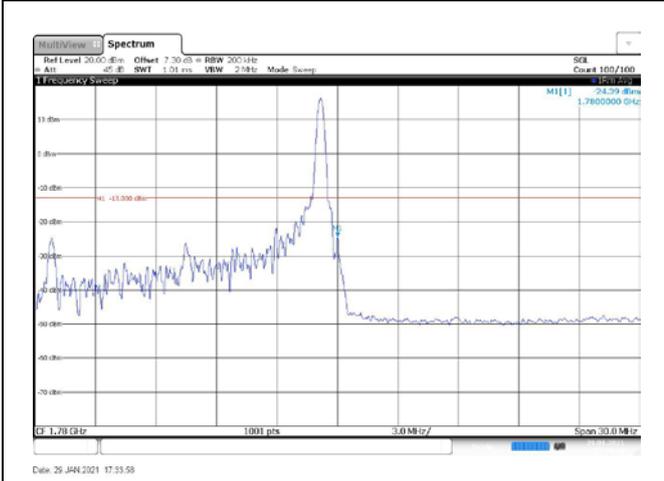
7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band66 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.008	0.001	0.000	-0.008	-0.005	-0.011
0	NV	0.002	0.004	0.004	-0.002	-0.003	0.013
+10	NV	0.003	0.006	0.011	-0.005	0.000	-0.008
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.003	-0.001	0.008	-0.005	-0.005	-0.010
+40	NV	0.002	0.003	0.003	-0.001	-0.006	-0.005
+50	NV	-0.002	-0.004	0.007	-0.001	0.002	0.011
+55	NV	0.004	-0.003	0.007	-0.002	0.000	0.003
+20	LV	-0.002	-0.002	-0.001	0.001	0.003	-0.011
+20	HV	0.004	0.002	0.003	-0.009	-0.007	-0.011

Temperature(°C)	Voltage	Test Result (ppm) Band66 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.004	-0.023	-0.004	-0.009	-0.008	0.012
0	NV	-0.005	-0.003	-0.007	-0.022	0.010	-0.001
+10	NV	-0.005	-0.006	-0.003	-0.012	-0.008	-0.005
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	-0.002	-0.025	-0.023	-0.019	-0.008	-0.002
+40	NV	-0.006	-0.024	-0.009	-0.020	-0.008	-0.005
+50	NV	-0.023	-0.004	-0.001	-0.003	-0.009	-0.002
+55	NV	0.004	-0.009	0.007	0.012	0.006	-0.008
+20	LV	-0.001	0.004	-0.022	-0.017	-0.007	0.009
+20	HV	0.005	-0.026	-0.025	-0.028	-0.017	-0.007

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1710.7	131979	1.4	1	0	24.18	25.25	0.335
				1	3	24.19	25.26	0.336
				1	5	24.14	25.21	0.332
				3	0	23.23	24.30	0.269
				3	1	23.33	24.40	0.275
				3	3	23.30	24.37	0.274
				6	0	23.24	24.31	0.270
	1755	132422		1	0	24.01	25.08	0.322
				1	3	23.94	25.01	0.317
				1	5	24.00	25.07	0.321
				3	0	22.98	24.05	0.254
				3	1	22.96	24.03	0.253
				3	3	22.95	24.02	0.252
				6	0	22.87	23.94	0.248
	1779.3	132665		1	0	23.69	24.76	0.299
				1	3	23.78	24.85	0.305
				1	5	23.78	24.85	0.305
				3	0	22.86	23.93	0.247
				3	1	22.73	23.80	0.240
				3	3	22.71	23.78	0.239
				6	0	22.77	23.84	0.242
16QAM	1710.7	131979		1	0	22.98	24.05	0.254
				1	3	23.12	24.19	0.262
				1	5	23.11	24.18	0.262
				3	0	22.28	23.35	0.216
				3	1	22.25	23.32	0.215
				3	3	22.25	23.32	0.215
				6	0	22.44	23.51	0.224
	1755	132422		1	0	22.70	23.77	0.238
				1	3	22.68	23.75	0.237
				1	5	22.68	23.75	0.237
				3	0	21.69	22.76	0.189
				3	1	21.67	22.74	0.188
				3	3	21.66	22.73	0.187
				6	0	22.04	23.11	0.205
	1779.3	132665		1	0	22.90	23.97	0.249
				1	3	22.87	23.94	0.248
				1	5	22.87	23.94	0.248
				3	0	22.19	23.26	0.212
				3	1	22.03	23.10	0.204
				3	3	22.12	23.19	0.208
				6	0	21.72	22.79	0.190

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1710.7	131979	1.4	1	0	22.44	23.51	0.224
				1	3	22.39	23.46	0.222
				1	5	22.36	23.43	0.220
				3	0	21.14	22.21	0.166
				3	1	21.24	22.31	0.170
				3	3	21.18	22.25	0.168
				6	0	21.13	22.20	0.166
	1755	132422		1	0	21.98	23.05	0.202
				1	3	22.06	23.13	0.206
				1	5	21.99	23.06	0.202
				3	0	21.08	22.15	0.164
				3	1	20.93	22.00	0.158
				3	3	21.07	22.14	0.164
				6	0	21.04	22.11	0.163
	1779.3	132665		1	0	21.72	22.79	0.190
				1	3	21.67	22.74	0.188
				1	5	21.72	22.79	0.190
				3	0	20.67	21.74	0.149
				3	1	20.67	21.74	0.149
				3	3	20.72	21.79	0.151
				6	0	21.07	22.14	0.164

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	1711.5	131987	3	1	0	24.17	25.24	0.334
				1	8	24.19	25.26	0.336
				1	14	24.15	25.22	0.333
				8	0	23.09	24.16	0.261
				8	4	23.19	24.26	0.267
				8	7	23.18	24.25	0.266
				15	0	23.17	24.24	0.265
	1755	132422		1	0	24.04	25.11	0.324
				1	8	23.98	25.05	0.320
				1	14	23.94	25.01	0.317
				8	0	22.95	24.02	0.252
				8	4	22.89	23.96	0.249
				8	7	22.88	23.95	0.248
				15	0	22.90	23.97	0.249
	1778.5	132657		1	0	23.84	24.91	0.310
				1	8	23.80	24.87	0.307
				1	14	23.77	24.84	0.305
				8	0	22.77	23.84	0.242
				8	4	22.68	23.75	0.237
				8	7	22.67	23.74	0.237
				15	0	22.82	23.89	0.245
16QAM	1711.5	131987		1	0	23.09	24.16	0.261
				1	8	23.03	24.10	0.257
				1	14	23.05	24.12	0.258
				8	0	22.42	23.49	0.223
				8	4	22.40	23.47	0.222
				8	7	22.41	23.48	0.223
				15	0	22.21	23.28	0.213
	1755	132422		1	0	23.14	24.21	0.264
				1	8	23.13	24.20	0.263
				1	14	23.12	24.19	0.262
				8	0	22.18	23.25	0.211
				8	4	22.13	23.20	0.209
				8	7	22.13	23.20	0.209
				15	0	22.04	23.11	0.205
	1778.5	132657		1	0	22.66	23.73	0.236
				1	8	22.35	23.42	0.220
				1	14	22.36	23.43	0.220
				8	0	22.04	23.11	0.205
				8	4	21.94	23.01	0.200
				8	7	21.93	23.00	0.200
				15	0	21.78	22.85	0.193

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1711.5	131987	3	1	0	22.21	23.28	0.213
				1	8	22.26	23.33	0.215
				1	14	22.20	23.27	0.212
				8	0	21.22	22.29	0.169
				8	4	21.20	22.27	0.169
				8	7	21.25	22.32	0.171
				15	0	21.28	22.35	0.172
	1755	132422		1	0	22.05	23.12	0.205
				1	8	22.00	23.07	0.203
				1	14	22.04	23.11	0.205
				8	0	21.14	22.21	0.166
				8	4	21.05	22.12	0.163
				8	7	21.07	22.14	0.164
				15	0	21.04	22.11	0.163
	1778.5	132657		1	0	21.79	22.86	0.193
				1	8	21.74	22.81	0.191
				1	14	21.89	22.96	0.198
				8	0	20.78	21.85	0.153
				8	4	20.75	21.82	0.152
				8	7	20.88	21.95	0.157
				15	0	20.80	21.87	0.154

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	131997	5	1	0	24.19	25.26	0.336
				1	12	24.07	25.14	0.327
				1	24	24.10	25.17	0.329
				12	0	23.20	24.27	0.267
				12	7	23.28	24.35	0.272
				12	13	23.25	24.32	0.270
				25	0	23.24	24.31	0.270
	1755	132422		1	0	23.90	24.97	0.314
				1	12	23.87	24.94	0.312
				1	24	23.87	24.94	0.312
				12	0	22.99	24.06	0.255
				12	7	22.87	23.94	0.248
				12	13	23.01	24.08	0.256
				25	0	22.81	23.88	0.244
	1777.5	132647		1	0	23.70	24.77	0.300
				1	12	23.61	24.68	0.294
				1	24	23.57	24.64	0.291
				12	0	22.69	23.76	0.238
				12	7	22.72	23.79	0.239
				12	13	22.71	23.78	0.239
				25	0	22.79	23.86	0.243
16QAM	1712.5	131997		1	0	22.91	23.98	0.250
				1	12	22.86	23.93	0.247
				1	24	22.86	23.93	0.247
				12	0	22.24	23.31	0.214
				12	7	22.16	23.23	0.210
				12	13	22.13	23.20	0.209
				25	0	22.29	23.36	0.217
	1755	132422		1	0	22.98	24.05	0.254
				1	12	22.83	23.90	0.245
				1	24	22.93	24.00	0.251
				12	0	21.83	22.90	0.195
				12	7	21.78	22.85	0.193
				12	13	21.79	22.86	0.193
				25	0	21.91	22.98	0.199
	1777.5	132647		1	0	22.77	23.84	0.242
				1	12	22.87	23.94	0.248
				1	24	21.96	23.03	0.201
				12	0	21.73	22.80	0.191
				12	7	21.50	22.57	0.181
				12	13	21.51	22.58	0.181
				25	0	21.64	22.71	0.187

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	131997	5	1	0	22.26	23.33	0.215
				1	12	22.25	23.32	0.215
				1	24	22.24	23.31	0.214
				12	0	21.33	22.40	0.174
				12	7	21.32	22.39	0.173
				12	13	21.31	22.38	0.173
				25	0	21.30	22.37	0.173
	1755	132422		1	0	21.91	22.98	0.199
				1	12	21.94	23.01	0.200
				1	24	21.79	22.86	0.193
				12	0	20.84	21.91	0.155
				12	7	20.83	21.90	0.155
				12	13	20.87	21.94	0.156
				25	0	21.05	22.12	0.163
	1777.5	132647		1	0	21.76	22.83	0.192
				1	12	21.75	22.82	0.191
				1	24	21.74	22.81	0.191
				12	0	21.03	22.10	0.162
				12	7	20.71	21.78	0.151
				12	13	20.92	21.99	0.158
				25	0	21.02	22.09	0.162

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	132022	10	1	0	24.23	25.30	0.339
				1	25	24.12	25.19	0.330
				1	49	24.03	25.10	0.324
				25	0	23.25	24.32	0.270
				25	12	23.20	24.27	0.267
				25	25	23.18	24.25	0.266
				50	0	23.05	24.12	0.258
	1755	132422		1	0	24.01	25.08	0.322
				1	25	24.04	25.11	0.324
				1	49	23.99	25.06	0.321
				25	0	22.89	23.96	0.249
				25	12	22.94	24.01	0.252
				25	25	23.02	24.09	0.256
				50	0	22.98	24.05	0.254
	1775	132622		1	0	23.86	24.93	0.311
				1	25	23.72	24.79	0.301
				1	49	23.79	24.86	0.306
				25	0	22.89	23.96	0.249
				25	12	22.72	23.79	0.239
				25	25	22.70	23.77	0.238
				50	0	22.80	23.87	0.244
16QAM	1715	132022		1	0	23.07	24.14	0.259
				1	25	22.94	24.01	0.252
				1	49	22.84	23.91	0.246
				25	0	22.09	23.16	0.207
				25	12	22.04	23.11	0.205
				25	25	21.85	22.92	0.196
				50	0	21.94	23.01	0.200
	1755	132422		1	0	22.83	23.90	0.245
				1	25	22.75	23.82	0.241
				1	49	22.95	24.02	0.252
				25	0	22.17	23.24	0.211
				25	12	22.12	23.19	0.208
				25	25	22.06	23.13	0.206
				50	0	22.13	23.20	0.209
	1775	132622		1	0	23.19	24.26	0.267
				1	25	23.13	24.20	0.263
				1	49	23.15	24.22	0.264
				25	0	22.11	23.18	0.208
				25	12	22.29	23.36	0.217
				25	25	22.21	23.28	0.213
				50	0	22.21	23.28	0.213

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1715	132022	10	1	0	22.55	23.62	0.230
				1	25	22.51	23.58	0.228
				1	49	22.48	23.55	0.226
				25	0	21.55	22.62	0.183
				25	12	21.46	22.53	0.179
				25	25	21.56	22.63	0.183
				50	0	21.65	22.72	0.187
	1755	132422		1	0	22.55	23.62	0.230
				1	25	22.56	23.63	0.231
				1	49	22.57	23.64	0.231
				25	0	21.42	22.49	0.177
				25	12	21.40	22.47	0.177
				25	25	21.39	22.46	0.176
				50	0	21.39	22.46	0.176
	1775	132622		1	0	22.22	23.29	0.213
				1	25	22.10	23.17	0.207
				1	49	22.18	23.25	0.211
				25	0	21.16	22.23	0.167
				25	12	21.16	22.23	0.167
				25	25	21.22	22.29	0.169
				50	0	21.20	22.27	0.169

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	132047	15	1	0	24.10	25.17	0.329
				1	37	23.84	24.91	0.310
				1	74	24.05	25.12	0.325
				36	0	23.21	24.28	0.268
				36	29	23.15	24.22	0.264
				36	30	23.14	24.21	0.264
				75	0	23.07	24.14	0.259
	1755	132422		1	0	23.90	24.97	0.314
				1	37	23.82	24.89	0.308
				1	74	24.05	25.12	0.325
				36	0	22.91	23.98	0.250
				36	29	22.87	23.94	0.248
				36	30	22.86	23.93	0.247
				75	0	22.89	23.96	0.249
	1772.5	132597		1	0	23.77	24.84	0.305
				1	37	23.56	24.63	0.290
				1	74	23.55	24.62	0.290
				36	0	22.86	23.93	0.247
				36	29	22.93	24.00	0.251
				36	30	22.92	23.99	0.251
				75	0	22.86	23.93	0.247
16QAM	1717.5	132047		1	0	23.17	24.24	0.265
				1	37	23.10	24.17	0.261
				1	74	23.00	24.07	0.255
				36	0	22.52	23.59	0.229
				36	29	22.52	23.59	0.229
				36	30	22.59	23.66	0.232
				75	0	22.56	23.63	0.231
	1755	132422		1	0	23.13	24.20	0.263
				1	37	23.26	24.33	0.271
				1	74	23.26	24.33	0.271
				36	0	22.51	23.58	0.228
				36	29	22.20	23.27	0.212
				36	30	22.42	23.49	0.223
				75	0	22.44	23.51	0.224
	1772.5	132597		1	0	23.16	24.23	0.265
				1	37	23.28	24.35	0.272
				1	74	23.28	24.35	0.272
				36	0	22.30	23.37	0.217
				36	29	21.87	22.94	0.197
				36	30	21.80	22.87	0.194
				75	0	22.04	23.11	0.205

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
64QAM	1717.5	132047	15	1	0	22.57	23.64	0.231
				1	37	22.58	23.65	0.232
				1	74	22.64	23.71	0.235
				36	0	21.45	22.52	0.179
				36	29	21.36	22.43	0.175
				36	30	21.61	22.68	0.185
				75	0	21.57	22.64	0.184
	1755	132422		1	0	22.46	23.53	0.225
				1	37	22.47	23.54	0.226
				1	74	22.47	23.54	0.226
				36	0	21.31	22.38	0.173
				36	29	21.30	22.37	0.173
				36	30	21.29	22.36	0.172
				75	0	21.36	22.43	0.175
	1772.5	132597		1	0	22.04	23.11	0.205
				1	37	22.05	23.12	0.205
				1	74	22.04	23.11	0.205
				36	0	21.03	22.10	0.162
				36	29	21.02	22.09	0.162
				36	30	21.08	22.15	0.164
				75	0	21.03	22.10	0.162

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	132072	20	1	0	24.19	25.26	0.336
				1	49	24.09	25.16	0.328
				1	99	24.10	25.17	0.329
				50	0	23.46	24.53	0.284
				50	24	23.07	24.14	0.259
				50	50	23.07	24.14	0.259
				100	0	23.09	24.16	0.261
	1755	132422		1	0	24.07	25.14	0.327
				1	49	23.85	24.92	0.310
				1	99	23.83	24.90	0.309
				50	0	23.16	24.23	0.265
				50	24	23.11	24.18	0.262
				50	50	22.82	23.89	0.245
				100	0	22.81	23.88	0.244
	1770	132572		1	0	23.99	25.06	0.321
				1	49	23.74	24.81	0.303
				1	99	23.73	24.80	0.302
				50	0	22.93	24.00	0.251
				50	24	22.80	23.87	0.244
				50	50	22.77	23.84	0.242
				100	0	22.85	23.92	0.247
16QAM	1720	132072		1	0	22.85	23.92	0.247
				1	49	22.78	23.85	0.243
				1	99	23.08	24.15	0.260
				50	0	22.51	23.58	0.228
				50	24	22.03	23.10	0.204
				50	50	22.03	23.10	0.204
				100	0	22.12	23.19	0.208
	1755	132422		1	0	23.46	24.53	0.284
				1	49	22.81	23.88	0.244
				1	99	23.52	24.59	0.288
				50	0	21.89	22.96	0.198
				50	24	21.95	23.02	0.200
				50	50	21.94	23.01	0.200
				100	0	21.92	22.99	0.199
	1770	132572		1	0	22.71	23.78	0.239
				1	49	22.88	23.95	0.248
				1	99	22.79	23.86	0.243
				50	0	22.25	23.32	0.215
				50	24	22.08	23.15	0.207
				50	50	22.07	23.14	0.206
				100	0	22.23	23.30	0.214

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1720	132072	20	1	0	22.56	23.63	0.231
				1	49	22.38	23.45	0.221
				1	99	22.42	23.49	0.223
				50	0	21.58	22.65	0.184
				50	24	21.52	22.59	0.182
				50	50	21.61	22.68	0.185
				100	0	21.62	22.69	0.186
	1755	132422		1	0	22.43	23.50	0.224
				1	49	22.44	23.51	0.224
				1	99	22.47	23.54	0.226
				50	0	21.44	22.51	0.178
				50	24	21.68	22.75	0.188
				50	50	21.71	22.78	0.190
				100	0	21.56	22.63	0.183
	1770	132572		1	0	22.25	23.32	0.215
				1	49	22.27	23.34	0.216
				1	99	22.28	23.35	0.216
				50	0	21.28	22.35	0.172
				50	24	21.21	22.28	0.169
				50	50	21.20	22.27	0.169
				100	0	21.19	22.26	0.168