

Test Mode: QPSK

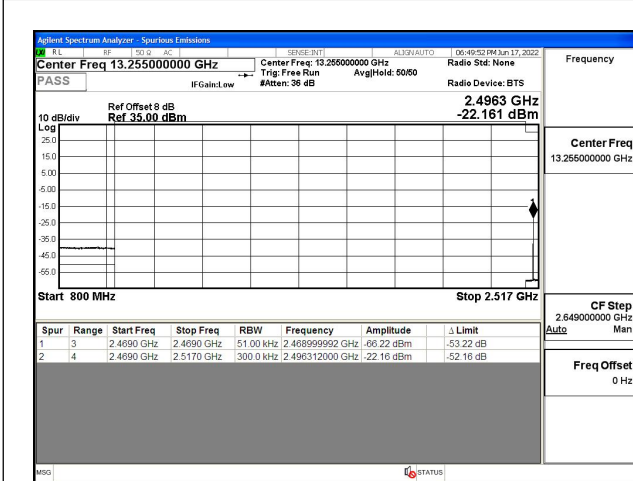


Fig.1

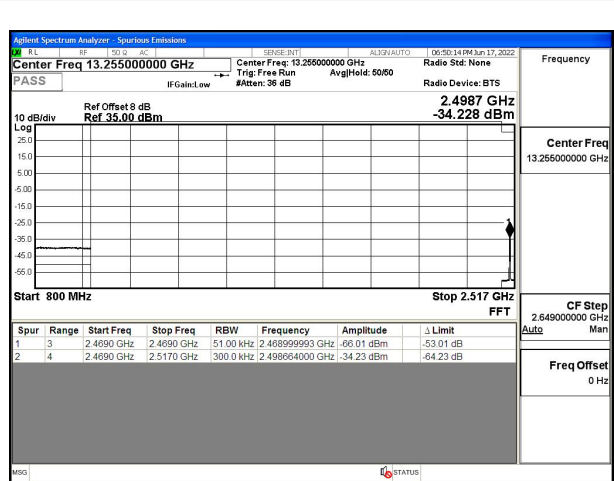


Fig.2

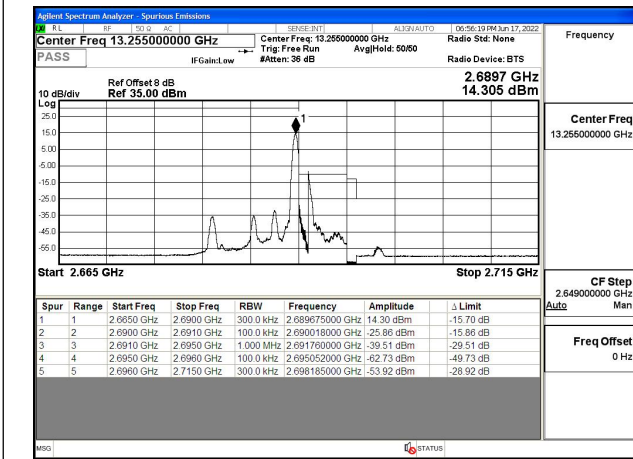


Fig.3

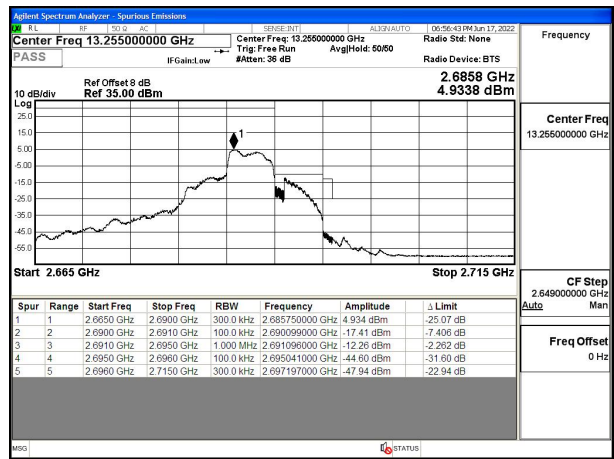


Fig.4

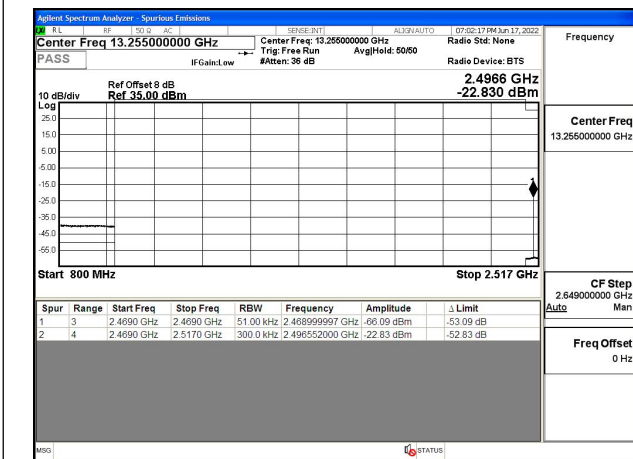


Fig.5

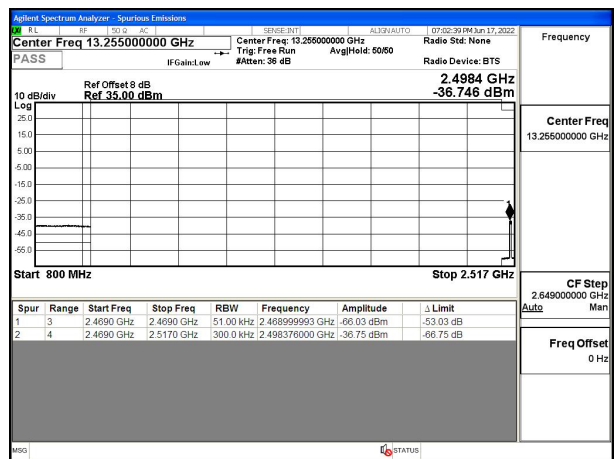


Fig.6

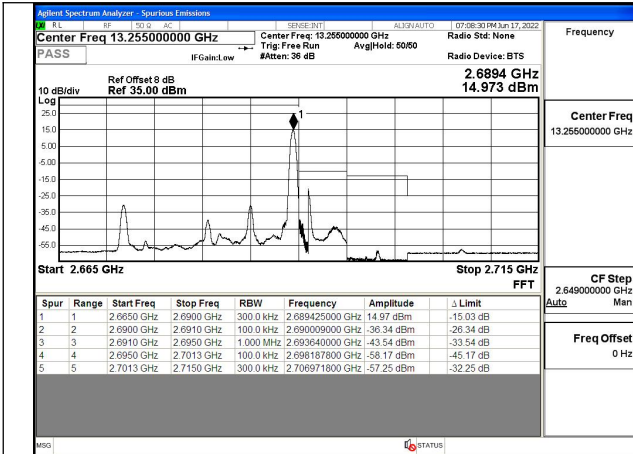


Fig.7

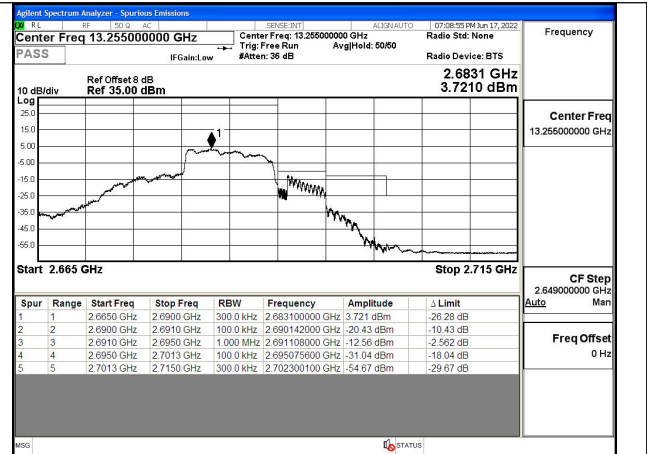


Fig.8

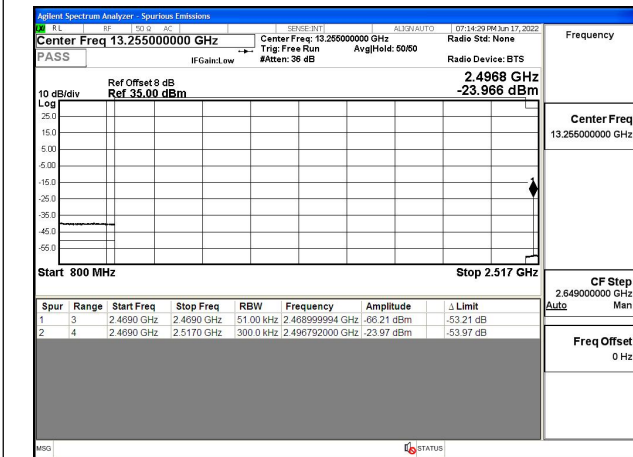


Fig.9

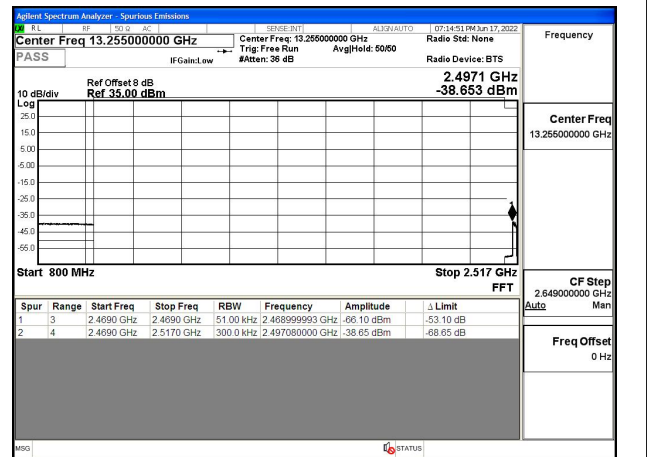


Fig.10

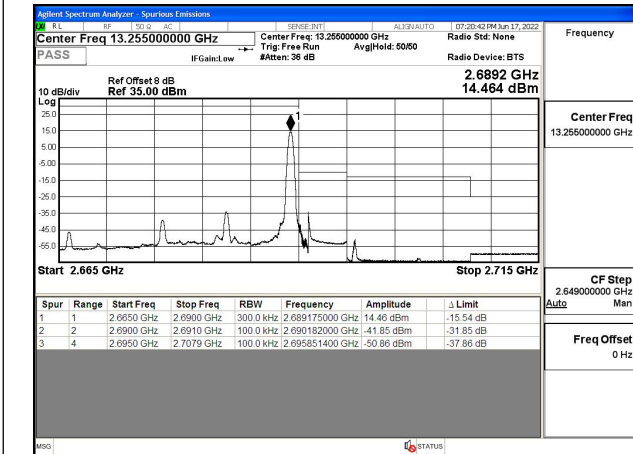


Fig.11

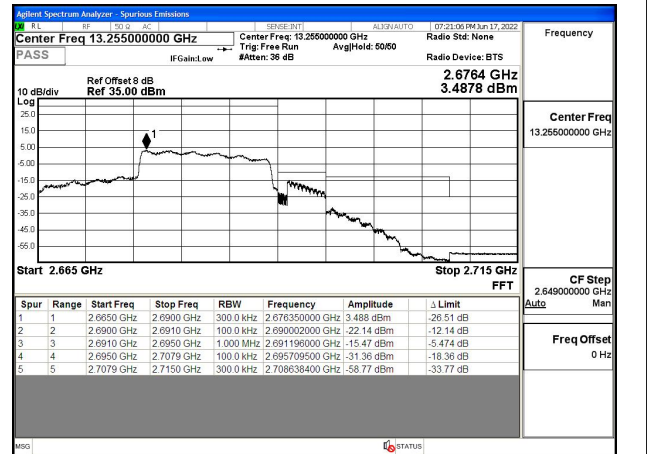


Fig.12

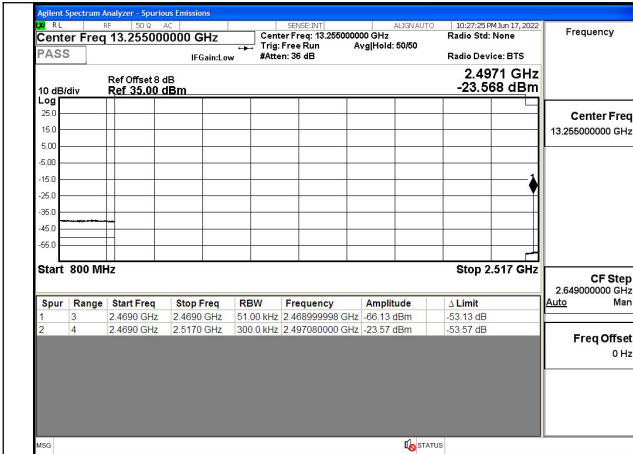


Fig.13

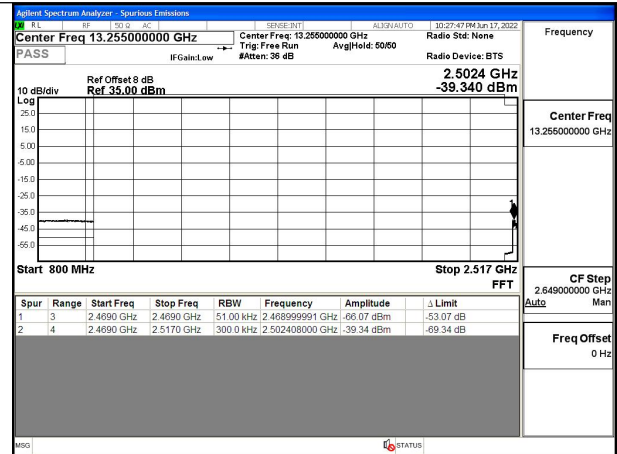


Fig.14

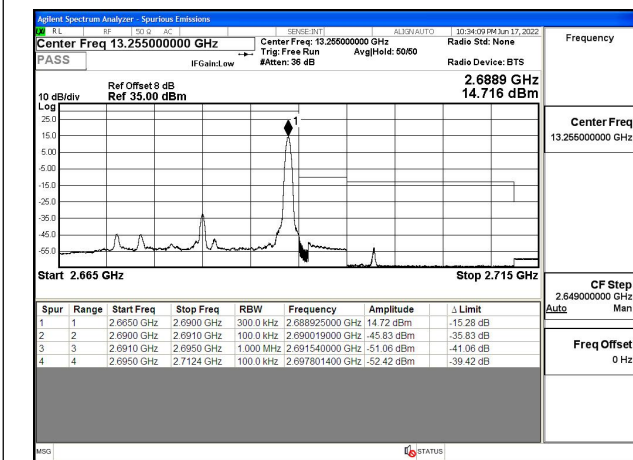


Fig.15

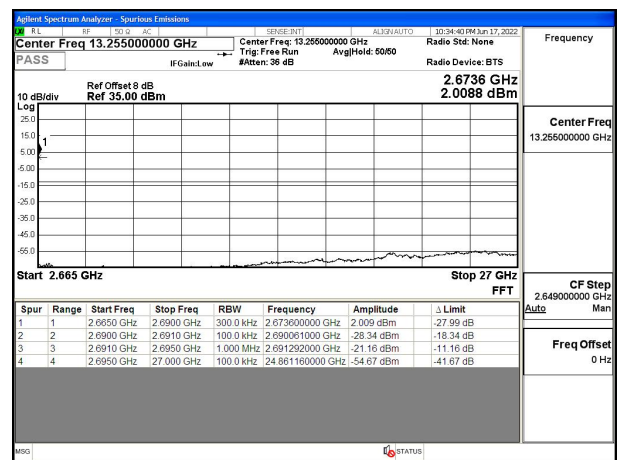


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 41 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.002	-0.005	-0.003	-0.006
0	NV	-0.008	-0.005	-0.007	-0.006
+10	NV	-0.003	-0.003	-0.006	0.005
+20	NV	-0.001	-0.004	-0.003	0.006
+30	NV	-0.005	-0.002	-0.004	-0.003
+40	NV	-0.007	-0.004	-0.006	-0.003
+50	NV	-0.006	-0.001	-0.003	-0.003
+55	NV	-0.004	-0.004	-0.005	-0.004
+20	LV	-0.005	-0.004	-0.005	-0.004
+20	HV	-0.005	-0.002	-0.004	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 41 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.005	-0.005	-0.007	-0.005
0	NV	-0.007	-0.006	-0.005	-0.007
+10	NV	-0.005	-0.006	-0.003	-0.005
+20	NV	-0.006	-0.007	-0.002	-0.004
+30	NV	-0.007	-0.005	-0.004	-0.005
+40	NV	-0.006	-0.004	-0.004	-0.006
+50	NV	-0.010	-0.006	-0.006	-0.004
+55	NV	-0.005	-0.004	-0.005	-0.005
+20	LV	-0.006	-0.008	-0.007	-0.007
+20	HV	-0.005	-0.004	-0.004	-0.005

### 8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2498.5	39675	5	1	0	-17.36	-14.30	0.000
QPSK	2498.5	39675	5	1	12	-17.69	-14.63	0.000
QPSK	2498.5	39675	5	1	24	-17.82	-14.76	0.000
QPSK	2498.5	39675	5	12	0	-17.74	-14.68	0.000
QPSK	2498.5	39675	5	12	7	-17.84	-14.78	0.000
QPSK	2498.5	39675	5	12	13	-17.90	-14.84	0.000
QPSK	2498.5	39675	5	25	0	-17.76	-14.70	0.000
QPSK	2593	40620	5	1	0	23.02	26.08	0.406
QPSK	2593	40620	5	1	12	23.07	26.13	0.410
QPSK	2593	40620	5	1	24	22.92	25.98	0.396
QPSK	2593	40620	5	12	0	22.12	25.18	0.330
QPSK	2593	40620	5	12	7	22.12	25.18	0.330
QPSK	2593	40620	5	12	13	22.03	25.09	0.323
QPSK	2593	40620	5	25	0	22.16	25.22	0.333
QPSK	2687.5	41565	5	1	0	21.69	24.75	0.299
QPSK	2687.5	41565	5	1	12	20.03	23.09	0.204
QPSK	2687.5	41565	5	1	24	18.36	21.42	0.139
QPSK	2687.5	41565	5	12	0	20.69	23.75	0.237
QPSK	2687.5	41565	5	12	7	19.90	22.96	0.198
QPSK	2687.5	41565	5	12	13	19.09	22.15	0.164
QPSK	2687.5	41565	5	25	0	19.85	22.91	0.195

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2498.5	39675	5	1	0	-17.41	-14.35	0.000
16QAM	2498.5	39675	5	1	12	-17.61	-14.55	0.000
16QAM	2498.5	39675	5	1	24	-17.70	-14.64	0.000
16QAM	2498.5	39675	5	12	0	-17.69	-14.63	0.000
16QAM	2498.5	39675	5	12	7	-17.78	-14.72	0.000
16QAM	2498.5	39675	5	12	13	-17.87	-14.81	0.000
16QAM	2498.5	39675	5	25	0	-17.80	-14.74	0.000
16QAM	2593	40620	5	1	0	22.23	25.29	0.338
16QAM	2593	40620	5	1	12	22.32	25.38	0.345
16QAM	2593	40620	5	1	24	22.18	25.24	0.334
16QAM	2593	40620	5	12	0	21.14	24.20	0.263
16QAM	2593	40620	5	12	7	21.23	24.29	0.269
16QAM	2593	40620	5	12	13	21.21	24.27	0.267
16QAM	2593	40620	5	25	0	21.17	24.23	0.265
16QAM	2687.5	41565	5	1	0	21.25	24.31	0.270
16QAM	2687.5	41565	5	1	12	19.98	23.04	0.201
16QAM	2687.5	41565	5	1	24	18.36	21.42	0.139
16QAM	2687.5	41565	5	12	0	20.64	23.70	0.234
16QAM	2687.5	41565	5	12	7	19.88	22.94	0.197
16QAM	2687.5	41565	5	12	13	19.08	22.14	0.164
16QAM	2687.5	41565	5	25	0	19.88	22.94	0.197
64QAM	2498.5	39675	5	1	0	-17.67	-14.61	0.000
64QAM	2498.5	39675	5	1	12	-17.87	-14.81	0.000
64QAM	2498.5	39675	5	1	24	-17.95	-14.89	0.000
64QAM	2498.5	39675	5	12	0	-17.70	-14.64	0.000
64QAM	2498.5	39675	5	12	7	-17.77	-14.71	0.000
64QAM	2498.5	39675	5	12	13	-17.86	-14.80	0.000
64QAM	2498.5	39675	5	25	0	-17.78	-14.72	0.000
64QAM	2593	40620	5	1	0	21.07	24.13	0.259
64QAM	2593	40620	5	1	12	21.13	24.19	0.262
64QAM	2593	40620	5	1	24	21.01	24.07	0.255
64QAM	2593	40620	5	12	0	20.31	23.37	0.217
64QAM	2593	40620	5	12	7	20.25	23.31	0.214
64QAM	2593	40620	5	12	13	20.27	23.33	0.215
64QAM	2593	40620	5	25	0	20.21	23.27	0.212
64QAM	2687.5	41565	5	1	0	21.32	24.38	0.274
64QAM	2687.5	41565	5	1	12	19.94	23.00	0.200
64QAM	2687.5	41565	5	1	24	18.30	21.36	0.137
64QAM	2687.5	41565	5	12	0	20.65	23.71	0.235
64QAM	2687.5	41565	5	12	7	19.89	22.95	0.197
64QAM	2687.5	41565	5	12	13	19.08	22.14	0.164
64QAM	2687.5	41565	5	25	0	19.86	22.92	0.196

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2501	39700	10	1	0	-17.59	-14.53	0.000
QPSK	2501	39700	10	1	25	-17.99	-14.93	0.000
QPSK	2501	39700	10	1	49	-18.13	-15.07	0.000
QPSK	2501	39700	10	25	0	-17.82	-14.76	0.000
QPSK	2501	39700	10	25	12	-17.96	-14.90	0.000
QPSK	2501	39700	10	25	25	-18.06	-15.00	0.000
QPSK	2501	39700	10	50	0	-18.01	-14.95	0.000
QPSK	2593	40620	10	1	0	23.09	26.15	0.412
QPSK	2593	40620	10	1	25	23.10	26.16	0.413
QPSK	2593	40620	10	1	49	22.95	26.01	0.399
QPSK	2593	40620	10	25	0	22.14	25.20	0.331
QPSK	2593	40620	10	25	12	22.20	25.26	0.336
QPSK	2593	40620	10	25	25	22.09	25.15	0.327
QPSK	2593	40620	10	50	0	22.25	25.31	0.340
QPSK	2685	41540	10	1	0	23.64	26.70	0.468
QPSK	2685	41540	10	1	25	21.96	25.02	0.318
QPSK	2685	41540	10	1	49	18.60	21.66	0.147
QPSK	2685	41540	10	25	0	22.83	25.89	0.388
QPSK	2685	41540	10	25	12	21.69	24.75	0.299
QPSK	2685	41540	10	25	25	20.17	23.23	0.210
QPSK	2685	41540	10	50	0	21.61	24.67	0.293

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2501	39700	10	1	0	-17.36	-14.30	0.000
16QAM	2501	39700	10	1	25	-17.82	-14.76	0.000
16QAM	2501	39700	10	1	49	-17.92	-14.86	0.000
16QAM	2501	39700	10	25	0	-17.73	-14.67	0.000
16QAM	2501	39700	10	25	12	-17.95	-14.89	0.000
16QAM	2501	39700	10	25	25	-17.96	-14.90	0.000
16QAM	2501	39700	10	50	0	-17.94	-14.88	0.000
16QAM	2593	40620	10	1	0	22.36	25.42	0.348
16QAM	2593	40620	10	1	25	22.42	25.48	0.353
16QAM	2593	40620	10	1	49	22.28	25.34	0.342
16QAM	2593	40620	10	25	0	21.15	24.21	0.264
16QAM	2593	40620	10	25	12	21.21	24.27	0.267
16QAM	2593	40620	10	25	25	21.17	24.23	0.265
16QAM	2593	40620	10	50	0	21.21	24.27	0.267
16QAM	2685	41540	10	1	0	23.69	26.75	0.473
16QAM	2685	41540	10	1	25	22.26	25.32	0.340
16QAM	2685	41540	10	1	49	18.59	21.65	0.146
16QAM	2685	41540	10	25	0	22.73	25.79	0.379
16QAM	2685	41540	10	25	12	21.56	24.62	0.290
16QAM	2685	41540	10	25	25	20.33	23.39	0.218
16QAM	2685	41540	10	50	0	21.55	24.61	0.289
64QAM	2501	39700	10	1	0	-17.56	-14.50	0.000
64QAM	2501	39700	10	1	25	-18.05	-14.99	0.000
64QAM	2501	39700	10	1	49	-18.14	-15.08	0.000
64QAM	2501	39700	10	25	0	-17.68	-14.62	0.000
64QAM	2501	39700	10	25	12	-17.90	-14.84	0.000
64QAM	2501	39700	10	25	25	-18.03	-14.97	0.000
64QAM	2501	39700	10	50	0	-17.85	-14.79	0.000
64QAM	2593	40620	10	1	0	21.15	24.21	0.264
64QAM	2593	40620	10	1	25	21.24	24.30	0.269
64QAM	2593	40620	10	1	49	21.07	24.13	0.259
64QAM	2593	40620	10	25	0	20.41	23.47	0.222
64QAM	2593	40620	10	25	12	20.34	23.40	0.219
64QAM	2593	40620	10	25	25	20.24	23.30	0.214
64QAM	2593	40620	10	50	0	20.23	23.29	0.213
64QAM	2685	41540	10	1	0	23.70	26.76	0.474
64QAM	2685	41540	10	1	25	21.52	24.58	0.287
64QAM	2685	41540	10	1	49	18.58	21.64	0.146
64QAM	2685	41540	10	25	0	22.72	25.78	0.378
64QAM	2685	41540	10	25	12	20.68	23.74	0.237
64QAM	2685	41540	10	25	25	20.22	23.28	0.213
64QAM	2685	41540	10	50	0	20.49	23.55	0.226



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2503.5	39725	15	1	0	-17.68	-14.62	0.000
QPSK	2503.5	39725	15	1	37	-18.15	-15.09	0.000
QPSK	2503.5	39725	15	1	74	-19.87	-16.81	0.000
QPSK	2503.5	39725	15	36	0	-17.74	-14.68	0.000
QPSK	2503.5	39725	15	36	29	-18.25	-15.19	0.000
QPSK	2503.5	39725	15	36	30	-18.25	-15.19	0.000
QPSK	2503.5	39725	15	75	0	-18.21	-15.15	0.000
QPSK	2593	40620	15	1	0	23.13	26.19	0.416
QPSK	2593	40620	15	1	37	23.05	26.11	0.408
QPSK	2593	40620	15	1	74	22.91	25.97	0.395
QPSK	2593	40620	15	36	0	22.17	25.23	0.333
QPSK	2593	40620	15	36	29	22.14	25.20	0.331
QPSK	2593	40620	15	36	30	22.07	25.13	0.326
QPSK	2593	40620	15	75	0	22.07	25.13	0.326
QPSK	2682.5	41515	15	1	0	23.65	26.71	0.469
QPSK	2682.5	41515	15	1	37	23.81	26.87	0.486
QPSK	2682.5	41515	15	1	74	18.90	21.96	0.157
QPSK	2682.5	41515	15	36	0	24.47	27.53	0.566
QPSK	2682.5	41515	15	36	29	22.67	25.73	0.374
QPSK	2682.5	41515	15	36	30	22.05	25.11	0.324
QPSK	2682.5	41515	15	75	0	22.88	25.94	0.393

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2503.5	39725	15	1	0	-17.44	-14.38	0.000
16QAM	2503.5	39725	15	1	37	-17.99	-14.93	0.000
16QAM	2503.5	39725	15	1	74	-19.75	-16.69	0.000
16QAM	2503.5	39725	15	36	0	-17.69	-14.63	0.000
16QAM	2503.5	39725	15	36	29	-18.24	-15.18	0.000
16QAM	2503.5	39725	15	36	30	-18.24	-15.18	0.000
16QAM	2503.5	39725	15	75	0	-18.11	-15.05	0.000
16QAM	2593	40620	15	1	0	22.34	25.40	0.347
16QAM	2593	40620	15	1	37	22.34	25.40	0.347
16QAM	2593	40620	15	1	74	22.10	25.16	0.328
16QAM	2593	40620	15	36	0	21.20	24.26	0.267
16QAM	2593	40620	15	36	29	21.14	24.20	0.263
16QAM	2593	40620	15	36	30	21.14	24.20	0.263
16QAM	2593	40620	15	75	0	21.21	24.27	0.267
16QAM	2682.5	41515	15	1	0	22.73	25.79	0.379
16QAM	2682.5	41515	15	1	37	22.67	25.73	0.374
16QAM	2682.5	41515	15	1	74	19.31	22.37	0.173
16QAM	2682.5	41515	15	36	0	24.27	27.33	0.541
16QAM	2682.5	41515	15	36	29	21.61	24.67	0.293
16QAM	2682.5	41515	15	36	30	21.51	24.57	0.286
16QAM	2682.5	41515	15	75	0	21.67	24.73	0.297
64QAM	2503.5	39725	15	1	0	-17.64	-14.58	0.000
64QAM	2503.5	39725	15	1	37	-18.20	-15.14	0.000
64QAM	2503.5	39725	15	1	74	-19.90	-16.84	0.000
64QAM	2503.5	39725	15	36	0	-17.67	-14.61	0.000
64QAM	2503.5	39725	15	36	29	-18.23	-15.17	0.000
64QAM	2503.5	39725	15	36	30	-18.24	-15.18	0.000
64QAM	2503.5	39725	15	75	0	-18.11	-15.05	0.000
64QAM	2593	40620	15	1	0	21.09	24.15	0.260
64QAM	2593	40620	15	1	37	21.13	24.19	0.262
64QAM	2593	40620	15	1	74	20.96	24.02	0.252
64QAM	2593	40620	15	36	0	20.25	23.31	0.214
64QAM	2593	40620	15	36	29	20.09	23.15	0.207
64QAM	2593	40620	15	36	30	20.22	23.28	0.213
64QAM	2593	40620	15	75	0	20.17	23.23	0.210
64QAM	2682.5	41515	15	1	0	21.70	24.76	0.299
64QAM	2682.5	41515	15	1	37	21.68	24.74	0.298
64QAM	2682.5	41515	15	1	74	19.94	23.00	0.200
64QAM	2682.5	41515	15	36	0	24.29	27.35	0.543
64QAM	2682.5	41515	15	36	29	20.72	23.78	0.239
64QAM	2682.5	41515	15	36	30	20.67	23.73	0.236
64QAM	2682.5	41515	15	75	0	20.74	23.80	0.240

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2506	39750	20	1	0	-17.39	-14.33	0.000
QPSK	2506	39750	20	1	49	-18.13	-15.07	0.000
QPSK	2506	39750	20	1	99	-28.20	-25.14	0.000
QPSK	2506	39750	20	50	0	-17.58	-14.52	0.000
QPSK	2506	39750	20	50	24	-18.25	-15.19	0.000
QPSK	2506	39750	20	50	50	-19.63	-16.57	0.000
QPSK	2506	39750	20	100	0	-18.58	-15.52	0.000
QPSK	2593	40620	20	1	0	23.10	26.16	0.413
QPSK	2593	40620	20	1	49	23.21	26.27	0.424
QPSK	2593	40620	20	1	99	22.83	25.89	0.388
QPSK	2593	40620	20	50	0	22.27	25.33	0.341
QPSK	2593	40620	20	50	24	22.16	25.22	0.333
QPSK	2593	40620	20	50	50	22.13	25.19	0.330
QPSK	2593	40620	20	100	0	22.22	25.28	0.337
QPSK	2680	41490	20	1	0	23.58	26.64	0.461
QPSK	2680	41490	20	1	49	23.84	26.90	0.490
QPSK	2680	41490	20	1	99	19.50	22.56	0.180
QPSK	2680	41490	20	50	0	25.26	28.32	0.679
QPSK	2680	41490	20	50	24	22.94	26.00	0.398
QPSK	2680	41490	20	50	50	22.56	25.62	0.365
QPSK	2680	41490	20	100	0	23.76	26.82	0.481

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2506	39750	20	1	0	-17.36	-14.30	0.000
16QAM	2506	39750	20	1	49	-18.04	-14.98	0.000
16QAM	2506	39750	20	1	99	-28.21	-25.15	0.000
16QAM	2506	39750	20	50	0	-17.58	-14.52	0.000
16QAM	2506	39750	20	50	24	-18.21	-15.15	0.000
16QAM	2506	39750	20	50	50	-19.87	-16.81	0.000
16QAM	2506	39750	20	100	0	-18.67	-15.61	0.000
16QAM	2593	40620	20	1	0	22.32	25.38	0.345
16QAM	2593	40620	20	1	49	22.48	25.54	0.358
16QAM	2593	40620	20	1	99	22.13	25.19	0.330
16QAM	2593	40620	20	50	0	21.31	24.37	0.274
16QAM	2593	40620	20	50	24	21.32	24.38	0.274
16QAM	2593	40620	20	50	50	21.18	24.24	0.265
16QAM	2593	40620	20	100	0	21.34	24.40	0.275
16QAM	2680	41490	20	1	0	22.77	25.83	0.383
16QAM	2680	41490	20	1	49	22.85	25.91	0.390
16QAM	2680	41490	20	1	99	20.05	23.11	0.205
16QAM	2680	41490	20	50	0	25.04	28.10	0.646
16QAM	2680	41490	20	50	24	21.95	25.01	0.317
16QAM	2680	41490	20	50	50	21.47	24.53	0.284
16QAM	2680	41490	20	100	0	21.93	24.99	0.316
64QAM	2506	39750	20	1	0	-17.57	-14.51	0.000
64QAM	2506	39750	20	1	49	-18.29	-15.23	0.000
64QAM	2506	39750	20	1	99	-28.29	-25.23	0.000
64QAM	2506	39750	20	50	0	-17.68	-14.62	0.000
64QAM	2506	39750	20	50	24	-18.31	-15.25	0.000
64QAM	2506	39750	20	50	50	-19.89	-16.83	0.000
64QAM	2506	39750	20	100	0	-18.66	-15.60	0.000
64QAM	2593	40620	20	1	0	21.18	24.24	0.265
64QAM	2593	40620	20	1	49	21.18	24.24	0.265
64QAM	2593	40620	20	1	99	20.86	23.92	0.247
64QAM	2593	40620	20	50	0	20.37	23.43	0.220
64QAM	2593	40620	20	50	24	20.24	23.30	0.214
64QAM	2593	40620	20	50	50	20.22	23.28	0.213
64QAM	2593	40620	20	100	0	20.23	23.29	0.213
64QAM	2680	41490	20	1	0	21.67	24.73	0.297
64QAM	2680	41490	20	1	49	21.85	24.91	0.310
64QAM	2680	41490	20	1	99	20.24	23.30	0.214
64QAM	2680	41490	20	50	0	25.02	28.08	0.643
64QAM	2680	41490	20	50	24	20.94	24.00	0.251
64QAM	2680	41490	20	50	50	20.65	23.71	0.235
64QAM	2680	41490	20	100	0	20.94	24.00	0.251