

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
38	QPSK	2572.5	37775	5	1	0	Fig.1
38	QPSK	2572.5	37775	5	25	0	Fig.2
38	QPSK	2617.5	38225	5	1	24	Fig.3
38	QPSK	2617.5	38225	5	25	0	Fig.4
38	QPSK	2575	37800	10	1	0	Fig.5
38	QPSK	2575	37800	10	50	0	Fig.6
38	QPSK	2615	38200	10	1	49	Fig.7
38	QPSK	2615	38200	10	50	0	Fig.8
38	QPSK	2577.5	37825	15	1	0	Fig.9
38	QPSK	2577.5	37825	15	75	0	Fig.10
38	QPSK	2612.5	38175	15	1	74	Fig.11
38	QPSK	2612.5	38175	15	75	0	Fig.12
38	QPSK	2580	37850	20	1	0	Fig.13
38	QPSK	2580	37850	20	100	0	Fig.14
38	QPSK	2610	38150	20	1	99	Fig.15
38	QPSK	2610	38150	20	100	0	Fig.16

Test Mode: QPSK

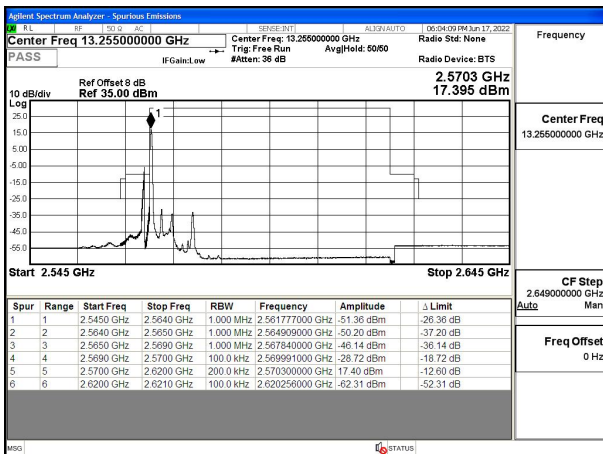


Fig.1

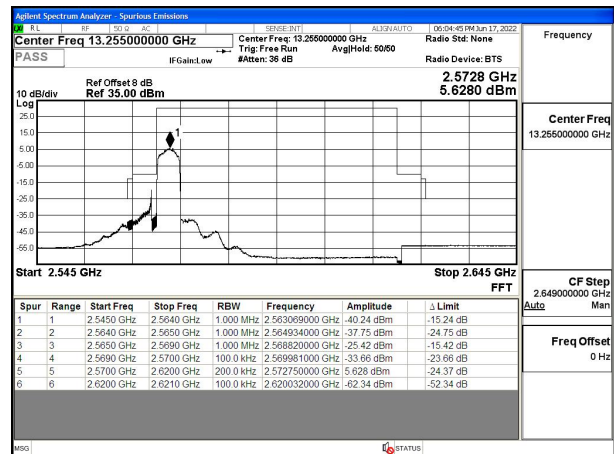


Fig.2

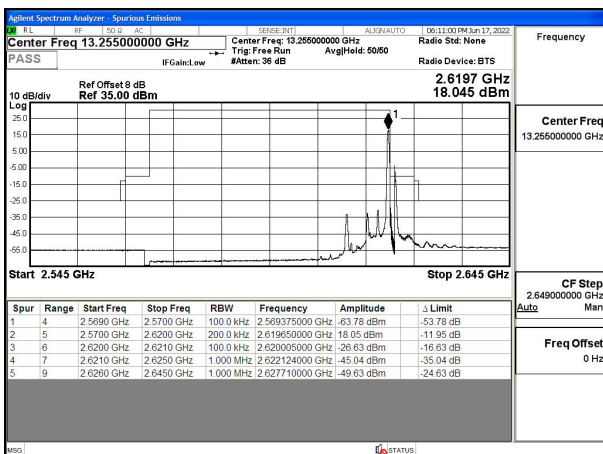


Fig.3

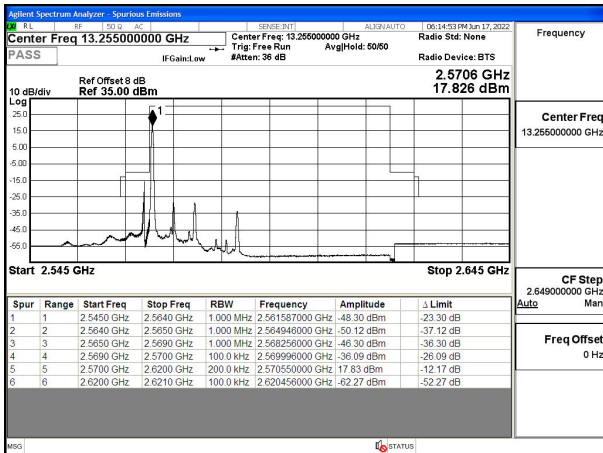


Fig.4

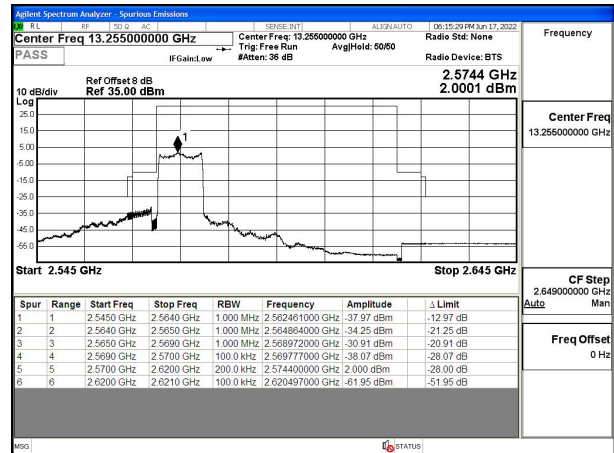


Fig.5

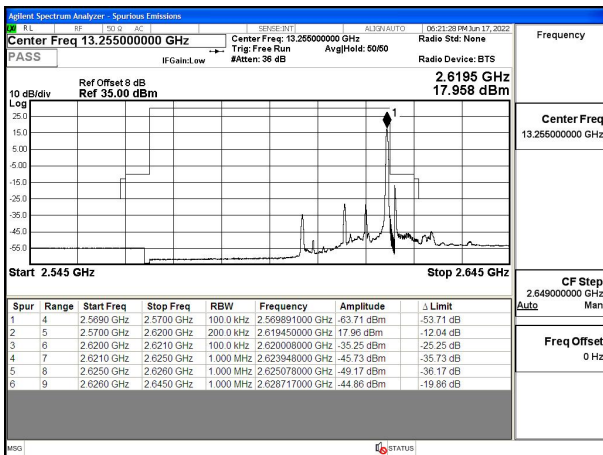


Fig.6

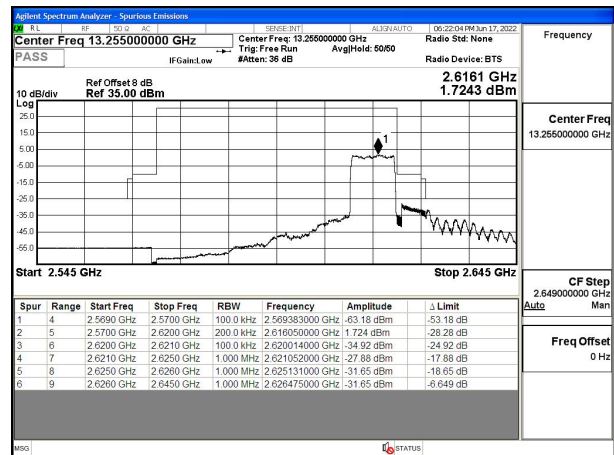


Fig.7

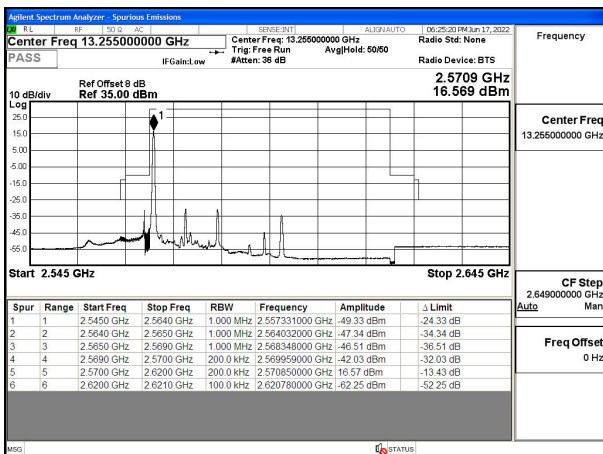


Fig.8



Fig.9

Fig.10

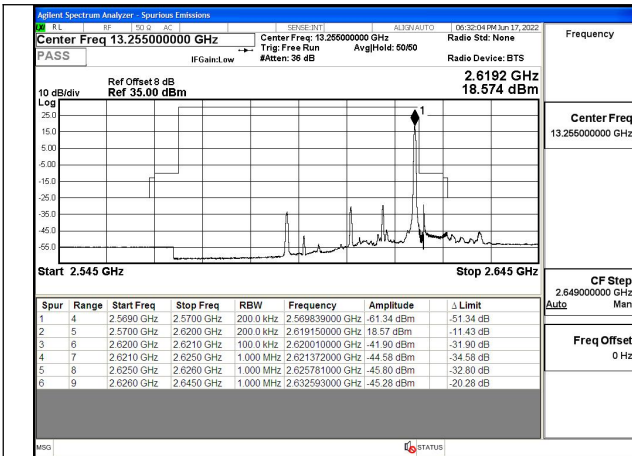


Fig.11

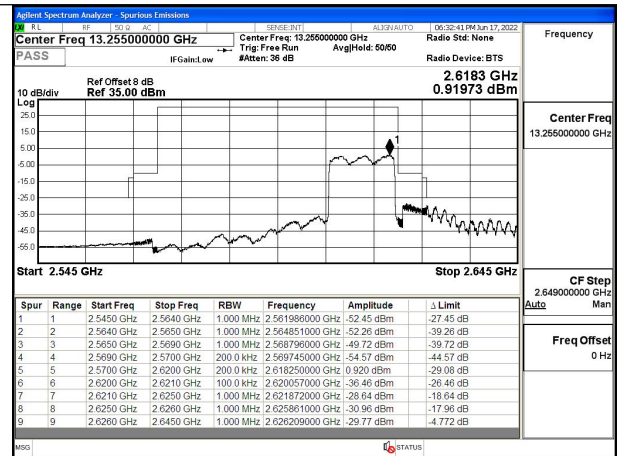


Fig.12

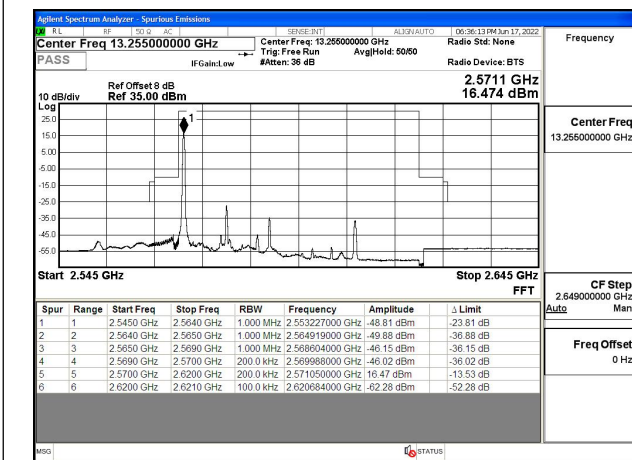


Fig.13

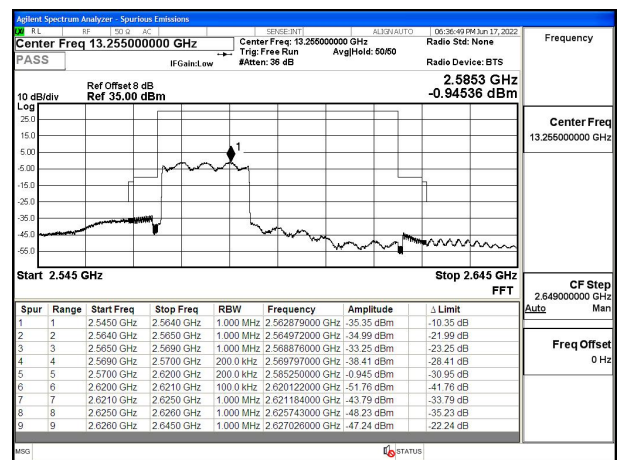


Fig.14

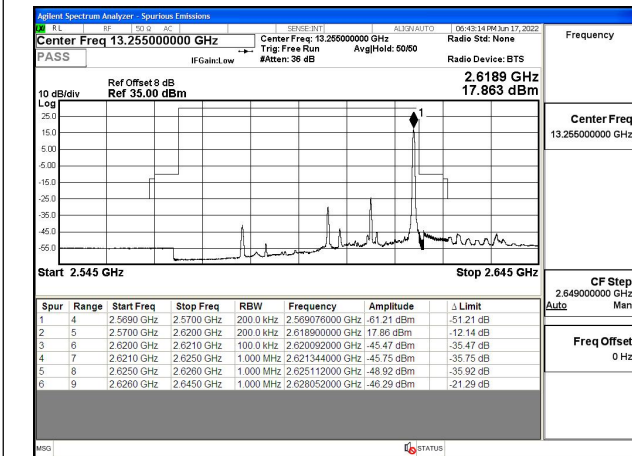


Fig.15

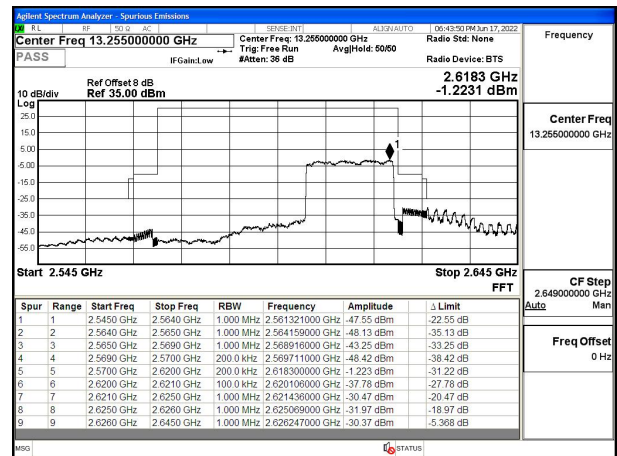


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.001	-0.002	-0.003	-0.003
0	NV	0.001	-0.003	-0.008	-0.002
+10	NV	-0.002	-0.001	-0.003	-0.003
+20	NV	0.000	-0.001	-0.004	-0.002
+30	NV	-0.005	-0.002	-0.003	-0.003
+40	NV	-0.008	-0.004	-0.003	-0.001
+50	NV	-0.005	-0.002	-0.002	-0.002
+55	NV	-0.001	-0.003	0.001	-0.001
+20	LV	0.003	-0.002	-0.004	-0.003
+20	HV	0.006	-0.003	-0.003	-0.005

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.002	-0.003	-0.003	-0.003
0	NV	-0.002	-0.003	-0.007	-0.001
+10	NV	-0.003	-0.001	-0.002	-0.004
+20	NV	-0.004	-0.002	-0.001	-0.001
+30	NV	-0.002	-0.002	-0.003	-0.002
+40	NV	-0.005	-0.004	0.000	-0.003
+50	NV	-0.003	-0.001	-0.003	-0.002
+55	NV	0.001	-0.001	-0.003	-0.004
+20	LV	-0.002	-0.001	-0.003	-0.005
+20	HV	-0.001	-0.005	-0.001	-0.001

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	2572.5	37775	5	1	0	23.39	26.45	0.442
QPSK	2572.5	37775	5	1	12	23.43	26.49	0.446
QPSK	2572.5	37775	5	1	24	23.23	26.29	0.426
QPSK	2572.5	37775	5	12	0	22.51	25.57	0.361
QPSK	2572.5	37775	5	12	7	22.49	25.55	0.359
QPSK	2572.5	37775	5	12	13	22.44	25.50	0.355
QPSK	2572.5	37775	5	25	0	22.51	25.57	0.361
QPSK	2595	38000	5	1	0	23.00	26.06	0.404
QPSK	2595	38000	5	1	12	23.02	26.08	0.406
QPSK	2595	38000	5	1	24	22.96	26.02	0.400
QPSK	2595	38000	5	12	0	22.09	25.15	0.327
QPSK	2595	38000	5	12	7	22.05	25.11	0.324
QPSK	2595	38000	5	12	13	22.09	25.15	0.327
QPSK	2595	38000	5	25	0	22.16	25.22	0.333
QPSK	2617.5	38225	5	1	0	23.11	26.17	0.414
QPSK	2617.5	38225	5	1	12	23.18	26.24	0.421
QPSK	2617.5	38225	5	1	24	23.13	26.19	0.416
QPSK	2617.5	38225	5	12	0	22.27	25.33	0.341
QPSK	2617.5	38225	5	12	7	22.33	25.39	0.346
QPSK	2617.5	38225	5	12	13	22.27	25.33	0.341
QPSK	2617.5	38225	5	25	0	22.27	25.33	0.341

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2572.5	37775	5	1	0	22.63	25.69	0.371
16QAM	2572.5	37775	5	1	12	22.66	25.72	0.373
16QAM	2572.5	37775	5	1	24	22.54	25.60	0.363
16QAM	2572.5	37775	5	12	0	21.54	24.60	0.288
16QAM	2572.5	37775	5	12	7	21.55	24.61	0.289
16QAM	2572.5	37775	5	12	13	21.53	24.59	0.288
16QAM	2572.5	37775	5	25	0	21.52	24.58	0.287
16QAM	2595	38000	5	1	0	22.21	25.27	0.337
16QAM	2595	38000	5	1	12	22.23	25.29	0.338
16QAM	2595	38000	5	1	24	22.18	25.24	0.334
16QAM	2595	38000	5	12	0	21.19	24.25	0.266
16QAM	2595	38000	5	12	7	21.25	24.31	0.270
16QAM	2595	38000	5	12	13	21.20	24.26	0.267
16QAM	2595	38000	5	25	0	21.16	24.22	0.264
16QAM	2617.5	38225	5	1	0	22.28	25.34	0.342
16QAM	2617.5	38225	5	1	12	22.39	25.45	0.351
16QAM	2617.5	38225	5	1	24	22.35	25.41	0.348
16QAM	2617.5	38225	5	12	0	21.37	24.43	0.277
16QAM	2617.5	38225	5	12	7	21.38	24.44	0.278
16QAM	2617.5	38225	5	12	13	21.42	24.48	0.281
16QAM	2617.5	38225	5	25	0	21.34	24.40	0.275
64QAM	2572.5	37775	5	1	0	21.46	24.52	0.283
64QAM	2572.5	37775	5	1	12	21.46	24.52	0.283
64QAM	2572.5	37775	5	1	24	21.27	24.33	0.271
64QAM	2572.5	37775	5	12	0	20.66	23.72	0.236
64QAM	2572.5	37775	5	12	7	20.59	23.65	0.232
64QAM	2572.5	37775	5	12	13	20.48	23.54	0.226
64QAM	2572.5	37775	5	25	0	20.55	23.61	0.230
64QAM	2595	38000	5	1	0	21.02	24.08	0.256
64QAM	2595	38000	5	1	12	21.08	24.14	0.259
64QAM	2595	38000	5	1	24	20.90	23.96	0.249
64QAM	2595	38000	5	12	0	20.18	23.24	0.211
64QAM	2595	38000	5	12	7	20.20	23.26	0.212
64QAM	2595	38000	5	12	13	20.20	23.26	0.212
64QAM	2595	38000	5	25	0	20.26	23.32	0.215
64QAM	2617.5	38225	5	1	0	21.15	24.21	0.264
64QAM	2617.5	38225	5	1	12	21.24	24.30	0.269
64QAM	2617.5	38225	5	1	24	21.16	24.22	0.264
64QAM	2617.5	38225	5	12	0	20.41	23.47	0.222
64QAM	2617.5	38225	5	12	7	20.42	23.48	0.223
64QAM	2617.5	38225	5	12	13	20.44	23.50	0.224
64QAM	2617.5	38225	5	25	0	20.43	23.49	0.223

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	23.46	26.52	0.449
QPSK	2575	37800	10	1	25	23.52	26.58	0.455
QPSK	2575	37800	10	1	49	23.27	26.33	0.430
QPSK	2575	37800	10	25	0	22.45	25.51	0.356
QPSK	2575	37800	10	25	12	22.53	25.59	0.362
QPSK	2575	37800	10	25	25	22.39	25.45	0.351
QPSK	2575	37800	10	50	0	22.49	25.55	0.359
QPSK	2595	38000	10	1	0	23.15	26.21	0.418
QPSK	2595	38000	10	1	25	23.09	26.15	0.412
QPSK	2595	38000	10	1	49	23.02	26.08	0.406
QPSK	2595	38000	10	25	0	22.13	25.19	0.330
QPSK	2595	38000	10	25	12	22.18	25.24	0.334
QPSK	2595	38000	10	25	25	22.16	25.22	0.333
QPSK	2595	38000	10	50	0	22.25	25.31	0.340
QPSK	2615	38200	10	1	0	23.14	26.20	0.417
QPSK	2615	38200	10	1	25	23.24	26.30	0.427
QPSK	2615	38200	10	1	49	23.17	26.23	0.420
QPSK	2615	38200	10	25	0	22.22	25.28	0.337
QPSK	2615	38200	10	25	12	22.35	25.41	0.348
QPSK	2615	38200	10	25	25	22.32	25.38	0.345
QPSK	2615	38200	10	50	0	22.30	25.36	0.344

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.76	25.82	0.382
16QAM	2575	37800	10	1	25	22.73	25.79	0.379
16QAM	2575	37800	10	1	49	22.52	25.58	0.361
16QAM	2575	37800	10	25	0	21.61	24.67	0.293
16QAM	2575	37800	10	25	12	21.58	24.64	0.291
16QAM	2575	37800	10	25	25	21.48	24.54	0.284
16QAM	2575	37800	10	50	0	21.61	24.67	0.293
16QAM	2595	38000	10	1	0	22.38	25.44	0.350
16QAM	2595	38000	10	1	25	22.41	25.47	0.352
16QAM	2595	38000	10	1	49	22.24	25.30	0.339
16QAM	2595	38000	10	25	0	21.16	24.22	0.264
16QAM	2595	38000	10	25	12	21.20	24.26	0.267
16QAM	2595	38000	10	25	25	21.19	24.25	0.266
16QAM	2595	38000	10	50	0	21.29	24.35	0.272
16QAM	2615	38200	10	1	0	22.36	25.42	0.348
16QAM	2615	38200	10	1	25	22.43	25.49	0.354
16QAM	2615	38200	10	1	49	22.43	25.49	0.354
16QAM	2615	38200	10	25	0	21.26	24.32	0.270
16QAM	2615	38200	10	25	12	21.34	24.40	0.275
16QAM	2615	38200	10	25	25	21.37	24.43	0.277
16QAM	2615	38200	10	50	0	21.34	24.40	0.275
64QAM	2575	37800	10	1	0	21.53	24.59	0.288
64QAM	2575	37800	10	1	25	21.53	24.59	0.288
64QAM	2575	37800	10	1	49	21.35	24.41	0.276
64QAM	2575	37800	10	25	0	20.62	23.68	0.233
64QAM	2575	37800	10	25	12	20.64	23.70	0.234
64QAM	2575	37800	10	25	25	20.63	23.69	0.234
64QAM	2575	37800	10	50	0	20.59	23.65	0.232
64QAM	2595	38000	10	1	0	21.19	24.25	0.266
64QAM	2595	38000	10	1	25	21.17	24.23	0.265
64QAM	2595	38000	10	1	49	21.07	24.13	0.259
64QAM	2595	38000	10	25	0	20.27	23.33	0.215
64QAM	2595	38000	10	25	12	20.30	23.36	0.217
64QAM	2595	38000	10	25	25	20.32	23.38	0.218
64QAM	2595	38000	10	50	0	20.28	23.34	0.216
64QAM	2615	38200	10	1	0	21.11	24.17	0.261
64QAM	2615	38200	10	1	25	21.34	24.40	0.275
64QAM	2615	38200	10	1	49	21.23	24.29	0.269
64QAM	2615	38200	10	25	0	20.26	23.32	0.215
64QAM	2615	38200	10	25	12	20.44	23.50	0.224
64QAM	2615	38200	10	25	25	20.43	23.49	0.223
64QAM	2615	38200	10	50	0	20.50	23.56	0.227

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2577.5	37825	15	1	0	23.43	26.49	0.446
QPSK	2577.5	37825	15	1	37	23.36	26.42	0.439
QPSK	2577.5	37825	15	1	74	23.10	26.16	0.413
QPSK	2577.5	37825	15	36	0	22.50	25.56	0.360
QPSK	2577.5	37825	15	36	29	22.40	25.46	0.352
QPSK	2577.5	37825	15	36	30	22.36	25.42	0.348
QPSK	2577.5	37825	15	75	0	22.41	25.47	0.352
QPSK	2595	38000	15	1	0	23.04	26.10	0.407
QPSK	2595	38000	15	1	37	23.05	26.11	0.408
QPSK	2595	38000	15	1	74	22.93	25.99	0.397
QPSK	2595	38000	15	36	0	22.14	25.20	0.331
QPSK	2595	38000	15	36	29	22.06	25.12	0.325
QPSK	2595	38000	15	36	30	22.06	25.12	0.325
QPSK	2595	38000	15	75	0	22.11	25.17	0.329
QPSK	2612.5	38175	15	1	0	22.96	26.02	0.400
QPSK	2612.5	38175	15	1	37	23.15	26.21	0.418
QPSK	2612.5	38175	15	1	74	23.11	26.17	0.414
QPSK	2612.5	38175	15	36	0	22.11	25.17	0.329
QPSK	2612.5	38175	15	36	29	22.27	25.33	0.341
QPSK	2612.5	38175	15	36	30	22.33	25.39	0.346
QPSK	2612.5	38175	15	75	0	22.20	25.26	0.336

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2577.5	37825	15	1	0	22.71	25.77	0.378
16QAM	2577.5	37825	15	1	37	22.60	25.66	0.368
16QAM	2577.5	37825	15	1	74	22.28	25.34	0.342
16QAM	2577.5	37825	15	36	0	21.45	24.51	0.282
16QAM	2577.5	37825	15	36	29	21.36	24.42	0.277
16QAM	2577.5	37825	15	36	30	21.36	24.42	0.277
16QAM	2577.5	37825	15	75	0	21.44	24.50	0.282
16QAM	2595	38000	15	1	0	22.30	25.36	0.344
16QAM	2595	38000	15	1	37	22.27	25.33	0.341
16QAM	2595	38000	15	1	74	22.16	25.22	0.333
16QAM	2595	38000	15	36	0	21.11	24.17	0.261
16QAM	2595	38000	15	36	29	21.18	24.24	0.265
16QAM	2595	38000	15	36	30	21.11	24.17	0.261
16QAM	2595	38000	15	75	0	21.25	24.31	0.270
16QAM	2612.5	38175	15	1	0	22.23	25.29	0.338
16QAM	2612.5	38175	15	1	37	22.41	25.47	0.352
16QAM	2612.5	38175	15	1	74	22.28	25.34	0.342
16QAM	2612.5	38175	15	36	0	21.22	24.28	0.268
16QAM	2612.5	38175	15	36	29	21.25	24.31	0.270
16QAM	2612.5	38175	15	36	30	21.28	24.34	0.272
16QAM	2612.5	38175	15	75	0	21.24	24.30	0.269
64QAM	2577.5	37825	15	1	0	21.48	24.54	0.284
64QAM	2577.5	37825	15	1	37	21.45	24.51	0.282
64QAM	2577.5	37825	15	1	74	21.19	24.25	0.266
64QAM	2577.5	37825	15	36	0	20.56	23.62	0.230
64QAM	2577.5	37825	15	36	29	20.44	23.50	0.224
64QAM	2577.5	37825	15	36	30	20.47	23.53	0.225
64QAM	2577.5	37825	15	75	0	20.41	23.47	0.222
64QAM	2595	38000	15	1	0	21.11	24.17	0.261
64QAM	2595	38000	15	1	37	21.11	24.17	0.261
64QAM	2595	38000	15	1	74	20.93	23.99	0.251
64QAM	2595	38000	15	36	0	20.20	23.26	0.212
64QAM	2595	38000	15	36	29	20.10	23.16	0.207
64QAM	2595	38000	15	36	30	20.11	23.17	0.207
64QAM	2595	38000	15	75	0	20.18	23.24	0.211
64QAM	2612.5	38175	15	1	0	21.02	24.08	0.256
64QAM	2612.5	38175	15	1	37	21.22	24.28	0.268
64QAM	2612.5	38175	15	1	74	21.21	24.27	0.267
64QAM	2612.5	38175	15	36	0	20.28	23.34	0.216
64QAM	2612.5	38175	15	36	29	20.23	23.29	0.213
64QAM	2612.5	38175	15	36	30	20.25	23.31	0.214
64QAM	2612.5	38175	15	75	0	20.29	23.35	0.216

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	23.26	26.32	0.429
QPSK	2580	37850	20	1	49	23.30	26.36	0.433
QPSK	2580	37850	20	1	99	22.76	25.82	0.382
QPSK	2580	37850	20	50	0	22.45	25.51	0.356
QPSK	2580	37850	20	50	24	22.41	25.47	0.352
QPSK	2580	37850	20	50	50	22.23	25.29	0.338
QPSK	2580	37850	20	100	0	22.38	25.44	0.350
QPSK	2595	38000	20	1	0	23.01	26.07	0.405
QPSK	2595	38000	20	1	49	23.01	26.07	0.405
QPSK	2595	38000	20	1	99	22.71	25.77	0.378
QPSK	2595	38000	20	50	0	22.18	25.24	0.334
QPSK	2595	38000	20	50	24	22.11	25.17	0.329
QPSK	2595	38000	20	50	50	22.03	25.09	0.323
QPSK	2595	38000	20	100	0	22.10	25.16	0.328
QPSK	2610	38150	20	1	0	22.82	25.88	0.387
QPSK	2610	38150	20	1	49	23.07	26.13	0.410
QPSK	2610	38150	20	1	99	22.93	25.99	0.397
QPSK	2610	38150	20	50	0	22.14	25.20	0.331
QPSK	2610	38150	20	50	24	22.17	25.23	0.333
QPSK	2610	38150	20	50	50	22.24	25.30	0.339
QPSK	2610	38150	20	100	0	22.23	25.29	0.338

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2580	37850	20	1	0	22.57	25.63	0.366
16QAM	2580	37850	20	1	49	22.55	25.61	0.364
16QAM	2580	37850	20	1	99	21.98	25.04	0.319
16QAM	2580	37850	20	50	0	21.55	24.61	0.289
16QAM	2580	37850	20	50	24	21.43	24.49	0.281
16QAM	2580	37850	20	50	50	21.28	24.34	0.272
16QAM	2580	37850	20	100	0	21.41	24.47	0.280
16QAM	2595	38000	20	1	0	22.23	25.29	0.338
16QAM	2595	38000	20	1	49	22.28	25.34	0.342
16QAM	2595	38000	20	1	99	22.00	25.06	0.321
16QAM	2595	38000	20	50	0	21.08	24.14	0.259
16QAM	2595	38000	20	50	24	21.14	24.20	0.263
16QAM	2595	38000	20	50	50	21.11	24.17	0.261
16QAM	2595	38000	20	100	0	21.20	24.26	0.267
16QAM	2610	38150	20	1	0	22.13	25.19	0.330
16QAM	2610	38150	20	1	49	22.37	25.43	0.349
16QAM	2610	38150	20	1	99	22.17	25.23	0.333
16QAM	2610	38150	20	50	0	21.18	24.24	0.265
16QAM	2610	38150	20	50	24	21.27	24.33	0.271
16QAM	2610	38150	20	50	50	21.23	24.29	0.269
16QAM	2610	38150	20	100	0	21.18	24.24	0.265
64QAM	2580	37850	20	1	0	21.39	24.45	0.279
64QAM	2580	37850	20	1	49	21.42	24.48	0.281
64QAM	2580	37850	20	1	99	20.90	23.96	0.249
64QAM	2580	37850	20	50	0	20.54	23.60	0.229
64QAM	2580	37850	20	50	24	20.37	23.43	0.220
64QAM	2580	37850	20	50	50	20.24	23.30	0.214
64QAM	2580	37850	20	100	0	20.31	23.37	0.217
64QAM	2595	38000	20	1	0	20.97	24.03	0.253
64QAM	2595	38000	20	1	49	21.14	24.20	0.263
64QAM	2595	38000	20	1	99	20.76	23.82	0.241
64QAM	2595	38000	20	50	0	20.18	23.24	0.211
64QAM	2595	38000	20	50	24	20.16	23.22	0.210
64QAM	2595	38000	20	50	50	20.25	23.31	0.214
64QAM	2595	38000	20	100	0	20.26	23.32	0.215
64QAM	2610	38150	20	1	0	20.94	24.00	0.251
64QAM	2610	38150	20	1	49	21.21	24.27	0.267
64QAM	2610	38150	20	1	99	21.03	24.09	0.256
64QAM	2610	38150	20	50	0	20.15	23.21	0.209
64QAM	2610	38150	20	50	24	20.30	23.36	0.217
64QAM	2610	38150	20	50	50	20.29	23.35	0.216
64QAM	2610	38150	20	100	0	20.17	23.23	0.210