

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
41	2506	39750	20	1	0	Fig.1
41	2593	40620	20	1	0	Fig.2
41	2680	41490	20	1	0	Fig.3

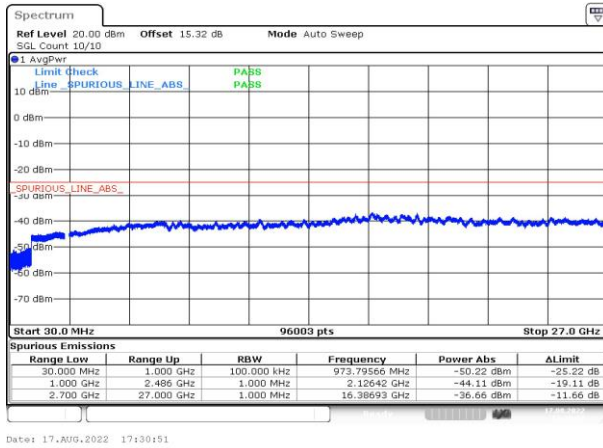


Fig.1

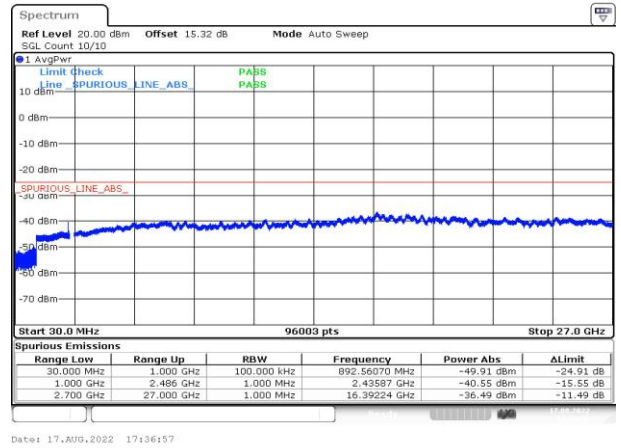


Fig.2

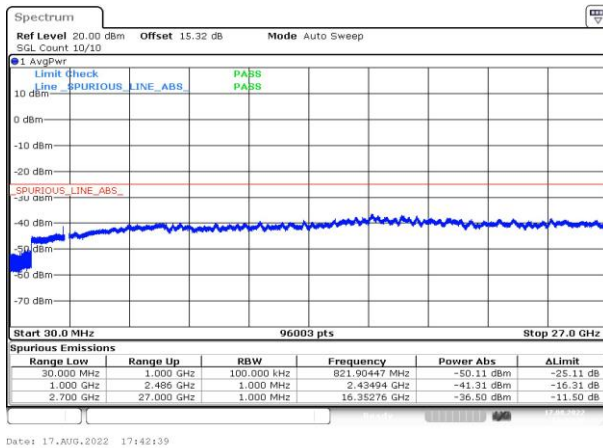
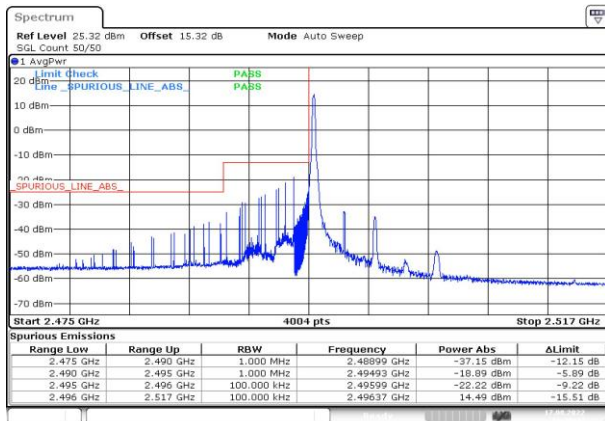


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
41	QPSK	2498.5	39675	5	1	0	Fig.1
41	QPSK	2498.5	39675	5	25	0	Fig.2
41	QPSK	2687.5	41565	5	1	24	Fig.3
41	QPSK	2687.5	41565	5	25	0	Fig.4
41	QPSK	2501	39700	10	1	0	Fig.5
41	QPSK	2501	39700	10	50	0	Fig.6
41	QPSK	2685	41540	10	1	49	Fig.7
41	QPSK	2685	41540	10	50	0	Fig.8
41	QPSK	2503.5	39725	15	1	0	Fig.9
41	QPSK	2503.5	39725	15	75	0	Fig.10
41	QPSK	2682.5	41515	15	1	74	Fig.11
41	QPSK	2682.5	41515	15	75	0	Fig.12
41	QPSK	2506	39750	20	1	0	Fig.13
41	QPSK	2506	39750	20	100	0	Fig.14
41	QPSK	2680	41490	20	1	99	Fig.15
41	QPSK	2680	41490	20	100	0	Fig.16

Test Mode: QPSK



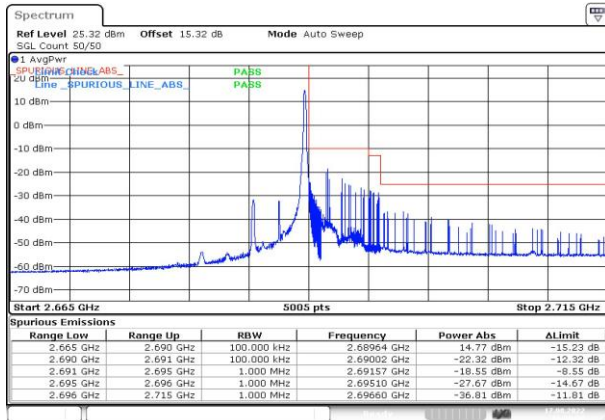
Date: 17_AUG_2022 16:38:42

Fig.1



Date: 17_AUG_2022 16:39:14

Fig.2



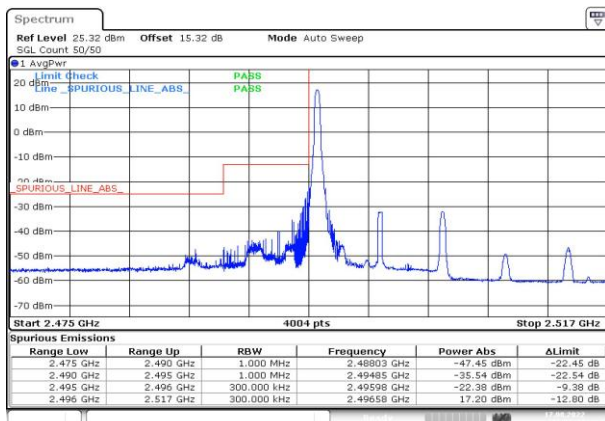
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Fig.3



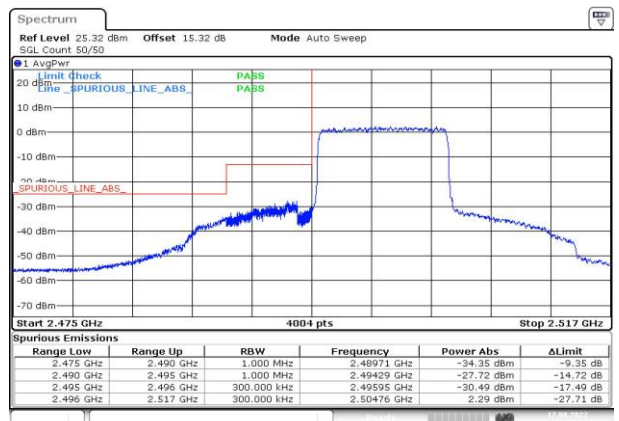
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Fig.4



Date: 17_AUG_2022 16:56:42

Fig.5



Date: 17_AUG_2022 16:56:54

Fig.6



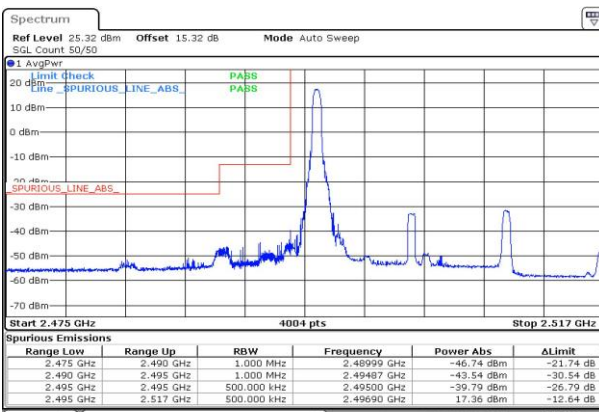
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Fig.7



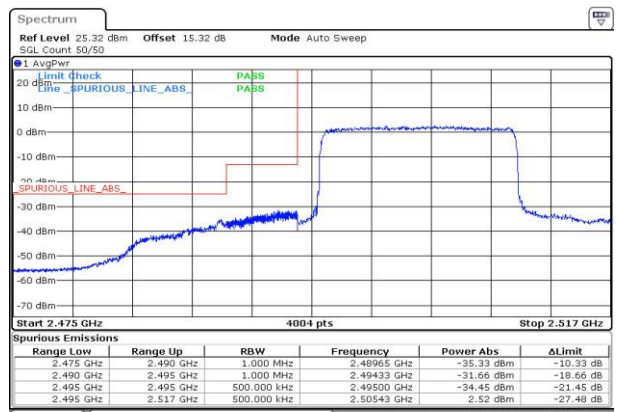
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Fig.8



Date: 17_AUG.2022 17:13:41

Fig.9



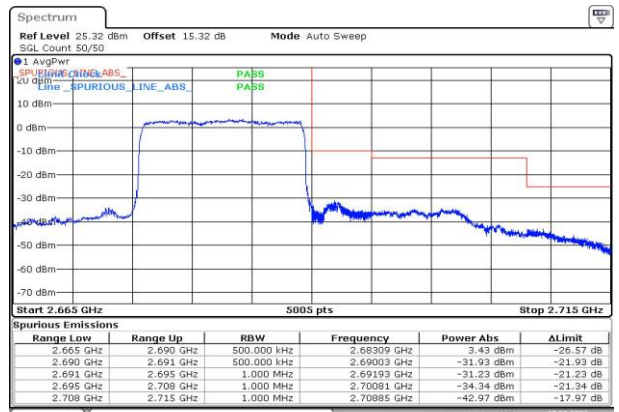
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Fig.10



Date: 17_AUG.2022 17:24:57

Fig.11



Date: 17_AUG.2022 17:25:08

Fig.12

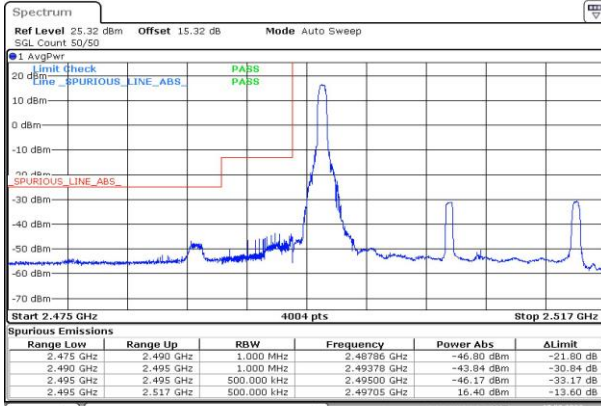


Fig.13

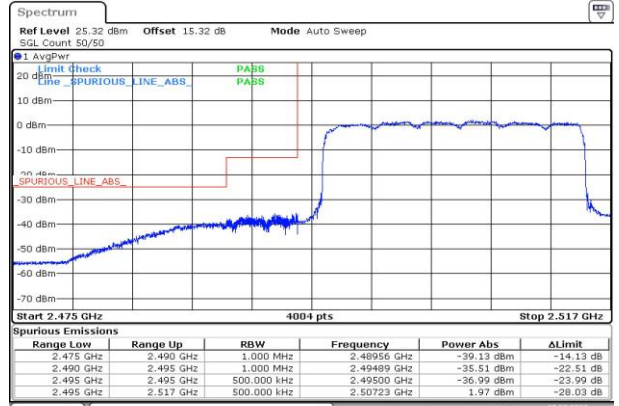


Fig.14

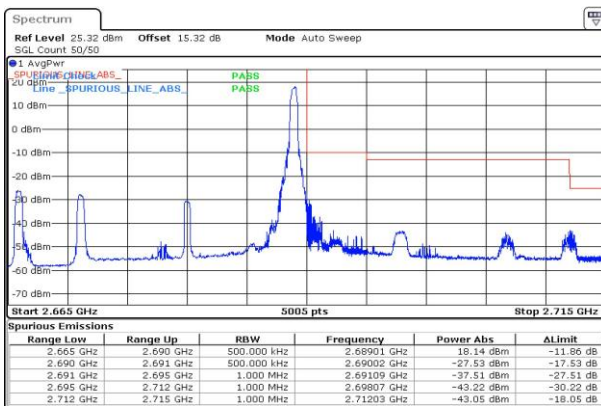


Fig.15

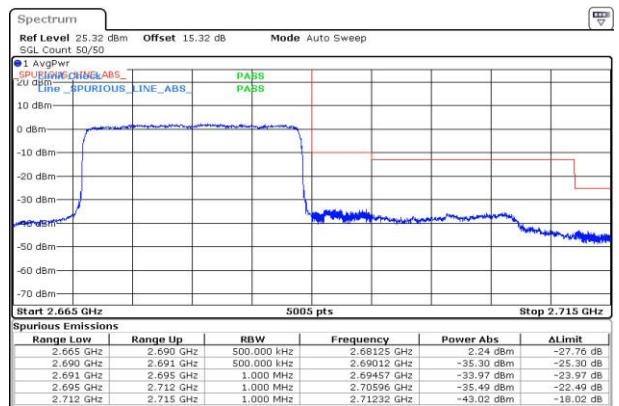


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 41 Low Channel QPSK			
		5M	10M	15M	20M
-20	NV	0.003	0.003	-0.002	0.002
-10	NV	0.004	0.003	0.003	0.001
0	NV	0.004	0.001	0.001	0.002
+10	NV	0.002	0.003	0.003	-0.002
+30	NV	0.002	0.001	0.002	0.001
+40	NV	0.003	0.003	0.002	0.001
+55	NV	0.001	0.004	0.003	0.000
+20	LV	0.002	0.002	0.003	0.002
+20	HV	0.004	-0.002	0.002	-0.003

Temperature(°C)	Voltage	Test Result (ppm) Band 41 High Channel QPSK			
		5M	10M	15M	20M
-20	NV	-0.001	0.000	0.002	0.001
-10	NV	-0.001	0.001	0.000	-0.002
0	NV	0.001	0.001	0.001	-0.001
+10	NV	0.001	0.002	-0.001	0.001
+30	NV	0.001	0.000	0.002	0.000
+40	NV	0.001	0.001	0.001	0.000
+55	NV	0.001	0.002	0.001	0.001
+20	LV	0.000	-0.001	0.000	0.001
+20	HV	0.000	0.001	0.002	0.000

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	20.76	23.36	0.217
QPSK	2498.5	39675	5	1	12	20.74	23.34	0.216
QPSK	2498.5	39675	5	1	24	20.82	23.42	0.220
QPSK	2498.5	39675	5	12	0	19.92	22.52	0.179
QPSK	2498.5	39675	5	12	7	19.93	22.53	0.179
QPSK	2498.5	39675	5	12	13	19.94	22.54	0.179
QPSK	2498.5	39675	5	25	0	19.89	22.49	0.177
QPSK	2593	40620	5	1	0	21.80	24.40	0.275
QPSK	2593	40620	5	1	12	21.66	24.26	0.267
QPSK	2593	40620	5	1	24	21.70	24.30	0.269
QPSK	2593	40620	5	12	0	20.74	23.34	0.216
QPSK	2593	40620	5	12	7	20.71	23.31	0.214
QPSK	2593	40620	5	12	13	20.71	23.31	0.214
QPSK	2593	40620	5	25	0	20.67	23.27	0.212
QPSK	2687.5	41565	5	1	0	21.65	24.25	0.266
QPSK	2687.5	41565	5	1	12	21.71	24.31	0.270
QPSK	2687.5	41565	5	1	24	21.65	24.25	0.266
QPSK	2687.5	41565	5	12	0	20.83	23.43	0.220
QPSK	2687.5	41565	5	12	7	20.80	23.40	0.219
QPSK	2687.5	41565	5	12	13	20.82	23.42	0.220
QPSK	2687.5	41565	5	25	0	20.85	23.45	0.221

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	20.44	23.04	0.201
16QAM	2498.5	39675	5	1	12	20.25	22.85	0.193
16QAM	2498.5	39675	5	1	24	20.26	22.86	0.193
16QAM	2498.5	39675	5	12	0	18.94	21.54	0.143
16QAM	2498.5	39675	5	12	7	18.94	21.54	0.143
16QAM	2498.5	39675	5	12	13	18.98	21.58	0.144
16QAM	2498.5	39675	5	25	0	18.93	21.53	0.142
16QAM	2593	40620	5	1	0	21.06	23.66	0.232
16QAM	2593	40620	5	1	12	21.04	23.64	0.231
16QAM	2593	40620	5	1	24	21.07	23.67	0.233
16QAM	2593	40620	5	12	0	19.76	22.36	0.172
16QAM	2593	40620	5	12	7	19.73	22.33	0.171
16QAM	2593	40620	5	12	13	19.70	22.30	0.170
16QAM	2593	40620	5	25	0	19.76	22.36	0.172
16QAM	2687.5	41565	5	1	0	20.99	23.59	0.229
16QAM	2687.5	41565	5	1	12	20.96	23.56	0.227
16QAM	2687.5	41565	5	1	24	21.04	23.64	0.231
16QAM	2687.5	41565	5	12	0	19.82	22.42	0.175
16QAM	2687.5	41565	5	12	7	19.83	22.43	0.175
16QAM	2687.5	41565	5	12	13	19.79	22.39	0.173
16QAM	2687.5	41565	5	25	0	19.87	22.47	0.177

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	21.03	23.63	0.231
QPSK	2501	39700	10	1	25	20.84	23.44	0.221
QPSK	2501	39700	10	1	49	20.92	23.52	0.225
QPSK	2501	39700	10	25	0	19.93	22.53	0.179
QPSK	2501	39700	10	25	12	19.90	22.50	0.178
QPSK	2501	39700	10	25	25	19.95	22.55	0.180
QPSK	2501	39700	10	50	0	19.95	22.55	0.180
QPSK	2593	40620	10	1	0	21.59	24.19	0.262
QPSK	2593	40620	10	1	25	21.59	24.19	0.262
QPSK	2593	40620	10	1	49	21.63	24.23	0.265
QPSK	2593	40620	10	25	0	20.72	23.32	0.215
QPSK	2593	40620	10	25	12	20.70	23.30	0.214
QPSK	2593	40620	10	25	25	20.69	23.29	0.213
QPSK	2593	40620	10	50	0	20.66	23.26	0.212
QPSK	2685	41540	10	1	0	21.80	24.40	0.275
QPSK	2685	41540	10	1	25	21.69	24.29	0.269
QPSK	2685	41540	10	1	49	21.72	24.32	0.270
QPSK	2685	41540	10	25	0	20.81	23.41	0.219
QPSK	2685	41540	10	25	12	20.81	23.41	0.219
QPSK	2685	41540	10	25	25	20.80	23.40	0.219
QPSK	2685	41540	10	50	0	20.79	23.39	0.218

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	20.28	22.88	0.194
16QAM	2501	39700	10	1	25	20.29	22.89	0.195
16QAM	2501	39700	10	1	49	20.28	22.88	0.194
16QAM	2501	39700	10	25	0	18.94	21.54	0.143
16QAM	2501	39700	10	25	12	18.98	21.58	0.144
16QAM	2501	39700	10	25	25	19.02	21.62	0.145
16QAM	2501	39700	10	50	0	19.05	21.65	0.146
16QAM	2593	40620	10	1	0	20.95	23.55	0.226
16QAM	2593	40620	10	1	25	20.93	23.53	0.225
16QAM	2593	40620	10	1	49	21.02	23.62	0.230
16QAM	2593	40620	10	25	0	19.71	22.31	0.170
16QAM	2593	40620	10	25	12	19.63	22.23	0.167
16QAM	2593	40620	10	25	25	19.69	22.29	0.169
16QAM	2593	40620	10	50	0	19.66	22.26	0.168
16QAM	2685	41540	10	1	0	20.92	23.52	0.225
16QAM	2685	41540	10	1	25	20.89	23.49	0.223
16QAM	2685	41540	10	1	49	20.88	23.48	0.223
16QAM	2685	41540	10	25	0	19.74	22.34	0.171
16QAM	2685	41540	10	25	12	19.81	22.41	0.174
16QAM	2685	41540	10	25	25	19.75	22.35	0.172
16QAM	2685	41540	10	50	0	19.77	22.37	0.173

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	20.83	23.43	0.220
QPSK	2503.5	39725	15	1	37	21.04	23.64	0.231
QPSK	2503.5	39725	15	1	74	21.06	23.66	0.232
QPSK	2503.5	39725	15	36	0	19.91	22.51	0.178
QPSK	2503.5	39725	15	36	29	19.88	22.48	0.177
QPSK	2503.5	39725	15	36	30	19.87	22.47	0.177
QPSK	2503.5	39725	15	75	0	19.81	22.41	0.174
QPSK	2593	40620	15	1	0	21.68	24.28	0.268
QPSK	2593	40620	15	1	37	21.61	24.21	0.264
QPSK	2593	40620	15	1	74	21.66	24.26	0.267
QPSK	2593	40620	15	36	0	20.78	23.38	0.218
QPSK	2593	40620	15	36	29	20.72	23.32	0.215
QPSK	2593	40620	15	36	30	20.71	23.31	0.214
QPSK	2593	40620	15	75	0	20.66	23.26	0.212
QPSK	2682.5	41515	15	1	0	21.74	24.34	0.272
QPSK	2682.5	41515	15	1	37	21.65	24.25	0.266
QPSK	2682.5	41515	15	1	74	21.84	24.44	0.278
QPSK	2682.5	41515	15	36	0	20.77	23.37	0.217
QPSK	2682.5	41515	15	36	29	20.78	23.38	0.218
QPSK	2682.5	41515	15	36	30	20.84	23.44	0.221
QPSK	2682.5	41515	15	75	0	20.81	23.41	0.219

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	20.22	22.82	0.191
16QAM	2503.5	39725	15	1	37	20.08	22.68	0.185
16QAM	2503.5	39725	15	1	74	20.31	22.91	0.195
16QAM	2503.5	39725	15	36	0	19.01	21.61	0.145
16QAM	2503.5	39725	15	36	29	18.91	21.51	0.142
16QAM	2503.5	39725	15	36	30	18.88	21.48	0.141
16QAM	2503.5	39725	15	75	0	18.89	21.49	0.141
16QAM	2593	40620	15	1	0	20.98	23.58	0.228
16QAM	2593	40620	15	1	37	20.89	23.49	0.223
16QAM	2593	40620	15	1	74	21.13	23.73	0.236
16QAM	2593	40620	15	36	0	19.71	22.31	0.170
16QAM	2593	40620	15	36	29	19.71	22.31	0.170
16QAM	2593	40620	15	36	30	19.74	22.34	0.171
16QAM	2593	40620	15	75	0	19.68	22.28	0.169
16QAM	2682.5	41515	15	1	0	21.03	23.63	0.231
16QAM	2682.5	41515	15	1	37	20.98	23.58	0.228
16QAM	2682.5	41515	15	1	74	20.96	23.56	0.227
16QAM	2682.5	41515	15	36	0	19.74	22.34	0.171
16QAM	2682.5	41515	15	36	29	19.82	22.42	0.175
16QAM	2682.5	41515	15	36	30	19.81	22.41	0.174
16QAM	2682.5	41515	15	75	0	19.79	22.39	0.173

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	20.86	23.46	0.222
QPSK	2506	39750	20	1	49	20.94	23.54	0.226
QPSK	2506	39750	20	1	99	20.95	23.55	0.226
QPSK	2506	39750	20	50	0	20.00	22.60	0.182
QPSK	2506	39750	20	50	24	19.92	22.52	0.179
QPSK	2506	39750	20	50	50	19.98	22.58	0.181
QPSK	2506	39750	20	100	0	19.96	22.56	0.180
QPSK	2593	40620	20	1	0	21.64	24.24	0.265
QPSK	2593	40620	20	1	49	21.73	24.33	0.271
QPSK	2593	40620	20	1	99	21.80	24.40	0.275
QPSK	2593	40620	20	50	0	20.78	23.38	0.218
QPSK	2593	40620	20	50	24	20.73	23.33	0.215
QPSK	2593	40620	20	50	50	20.72	23.32	0.215
QPSK	2593	40620	20	100	0	20.71	23.31	0.214
QPSK	2680	41490	20	1	0	21.86	24.46	0.279
QPSK	2680	41490	20	1	49	21.77	24.37	0.274
QPSK	2680	41490	20	1	99	21.77	24.37	0.274
QPSK	2680	41490	20	50	0	20.97	23.57	0.228
QPSK	2680	41490	20	50	24	20.86	23.46	0.222
QPSK	2680	41490	20	50	50	20.84	23.44	0.221
QPSK	2680	41490	20	100	0	20.98	23.58	0.228

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	20.05	22.65	0.184
16QAM	2506	39750	20	1	49	20.22	22.82	0.191
16QAM	2506	39750	20	1	99	20.35	22.95	0.197
16QAM	2506	39750	20	50	0	18.98	21.58	0.144
16QAM	2506	39750	20	50	24	18.92	21.52	0.142
16QAM	2506	39750	20	50	50	18.98	21.58	0.144
16QAM	2506	39750	20	100	0	18.91	21.51	0.142
16QAM	2593	40620	20	1	0	20.93	23.53	0.225
16QAM	2593	40620	20	1	49	20.99	23.59	0.229
16QAM	2593	40620	20	1	99	21.22	23.82	0.241
16QAM	2593	40620	20	50	0	19.78	22.38	0.173
16QAM	2593	40620	20	50	24	19.74	22.34	0.171
16QAM	2593	40620	20	50	50	19.77	22.37	0.173
16QAM	2593	40620	20	100	0	19.71	22.31	0.170
16QAM	2680	41490	20	1	0	20.76	23.36	0.217
16QAM	2680	41490	20	1	49	20.73	23.33	0.215
16QAM	2680	41490	20	1	99	20.67	23.27	0.212
16QAM	2680	41490	20	50	0	19.95	22.55	0.180
16QAM	2680	41490	20	50	24	19.85	22.45	0.176
16QAM	2680	41490	20	50	50	19.88	22.48	0.177
16QAM	2680	41490	20	100	0	19.98	22.58	0.181