

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	0	Fig.1
7	2535	21100	20	1	0	Fig.2
7	2560	21350	20	1	0	Fig.3

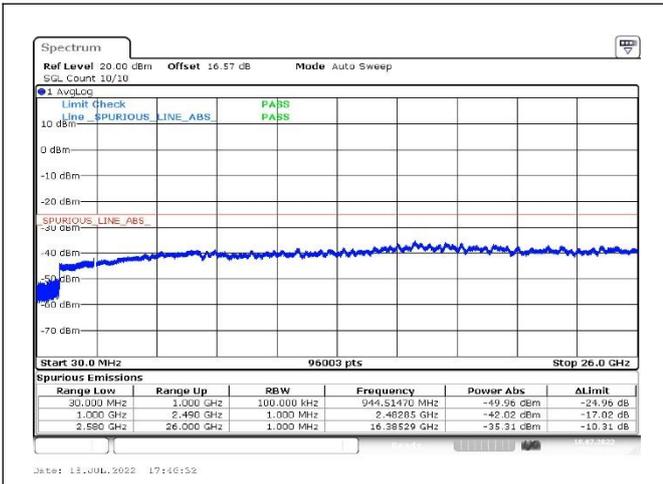


Fig.1

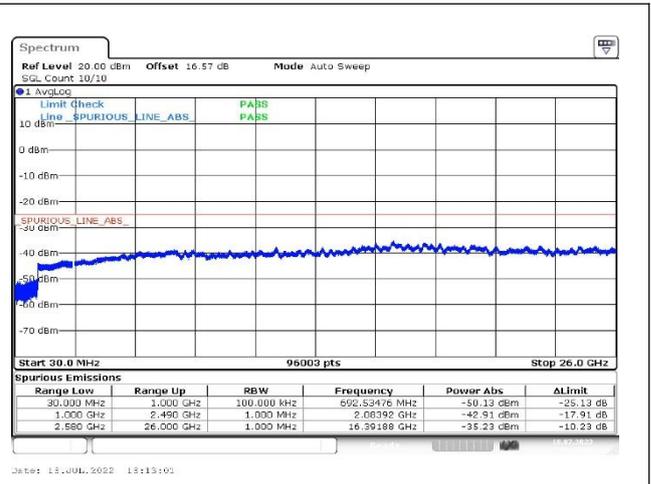


Fig.2

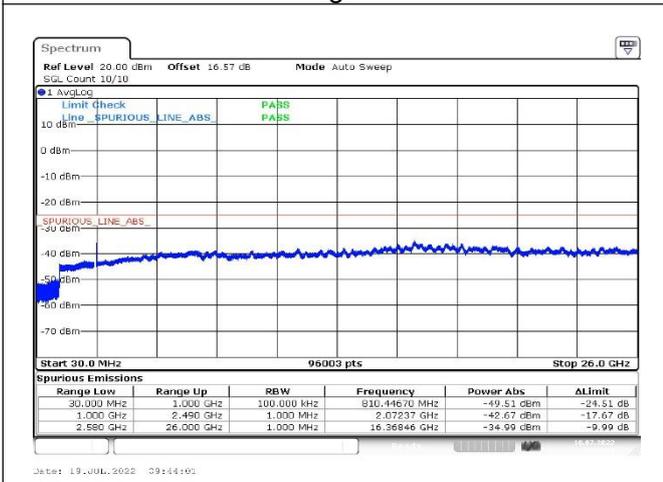


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
7	QPSK	2502.5	20775	5	1	0	Fig.1
7	QPSK	2502.5	20775	5	25	0	Fig.2
7	QPSK	2567.5	21425	5	1	24	Fig.3
7	QPSK	2567.5	21425	5	25	0	Fig.4
7	QPSK	2505	20800	10	1	0	Fig.5
7	QPSK	2505	20800	10	50	0	Fig.6
7	QPSK	2565	21400	10	1	49	Fig.7
7	QPSK	2565	21400	10	50	0	Fig.8
7	QPSK	2507.5	20825	15	1	0	Fig.9
7	QPSK	2507.5	20825	15	75	0	Fig.10
7	QPSK	2562.5	21375	15	1	74	Fig.11
7	QPSK	2562.5	21375	15	75	0	Fig.12
7	QPSK	2510	20850	20	1	0	Fig.13
7	QPSK	2510	20850	20	100	0	Fig.14
7	QPSK	2560	21350	20	1	99	Fig.15
7	QPSK	2560	21350	20	100	0	Fig.16

Test Mode: QPSK

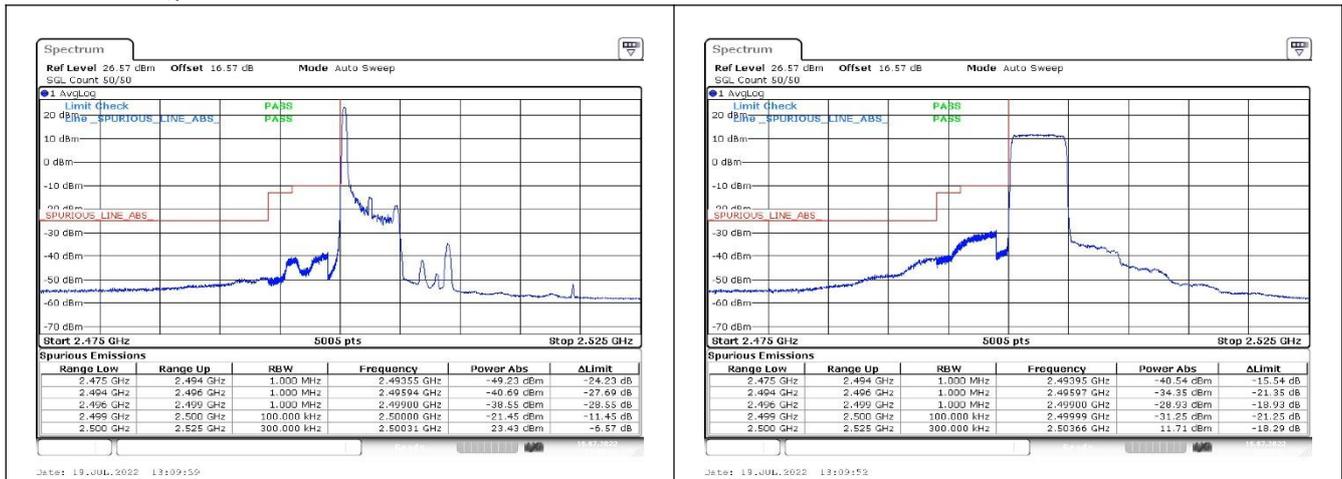


Fig.1

Fig.2

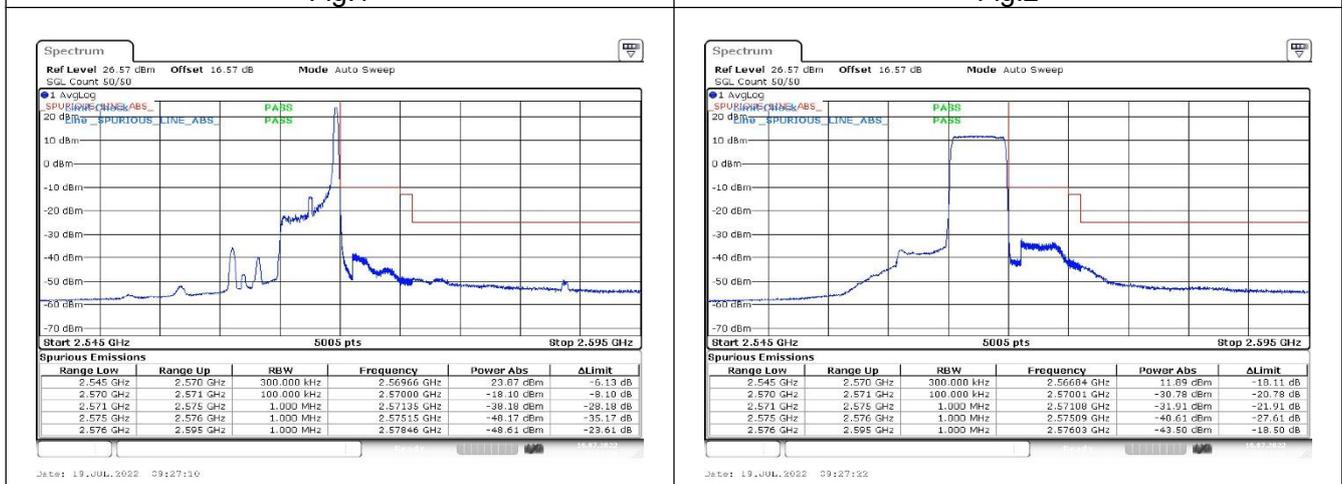


Fig.3

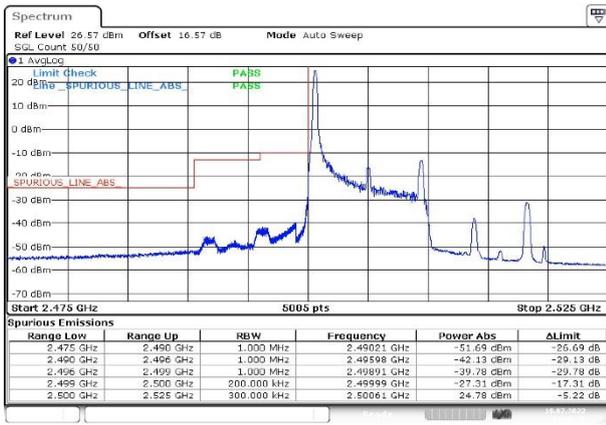


Fig.4

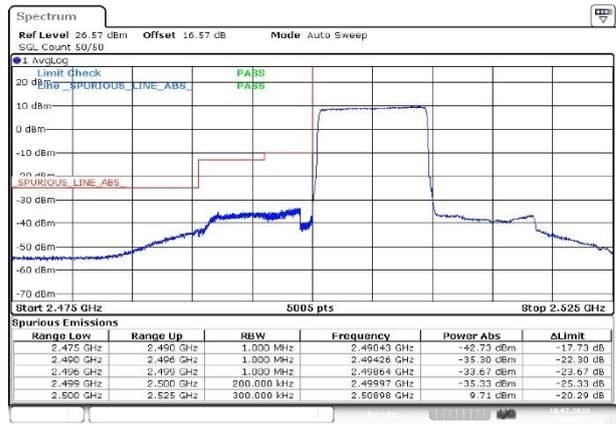


Fig.5



Fig.6

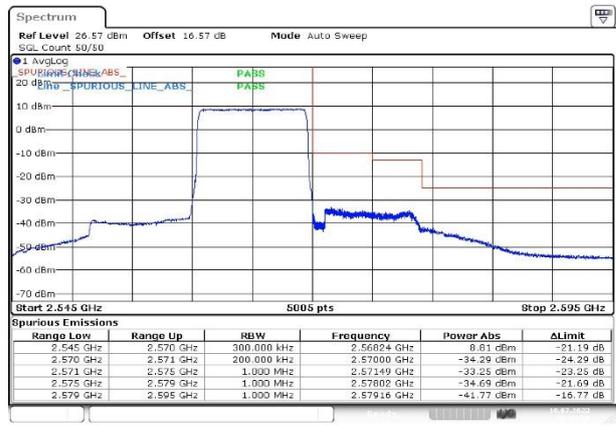


Fig.7

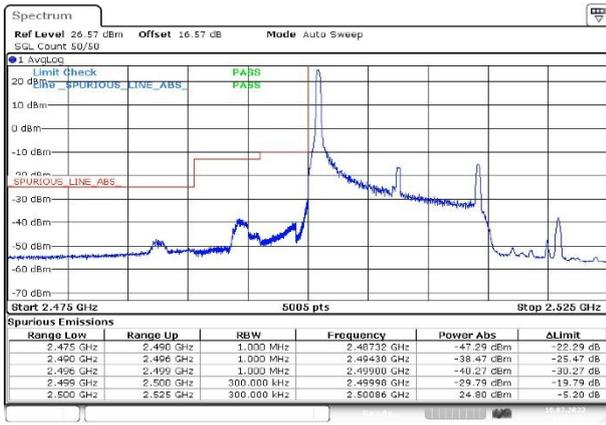


Fig.8

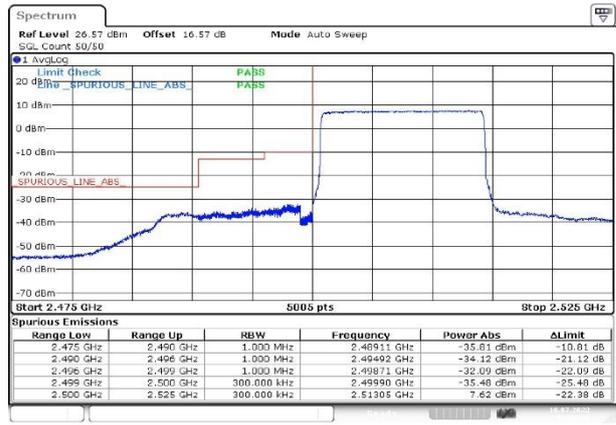


Fig.9

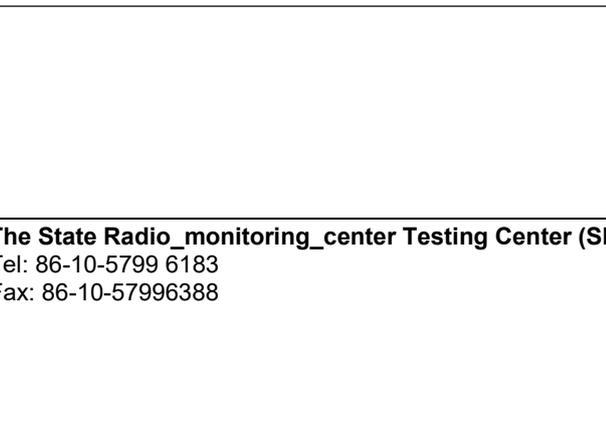
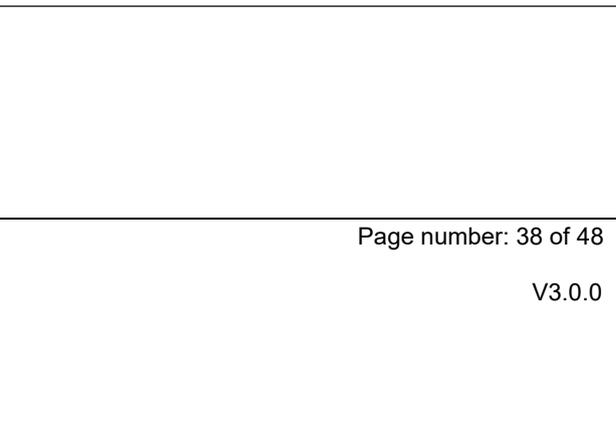


Fig.10



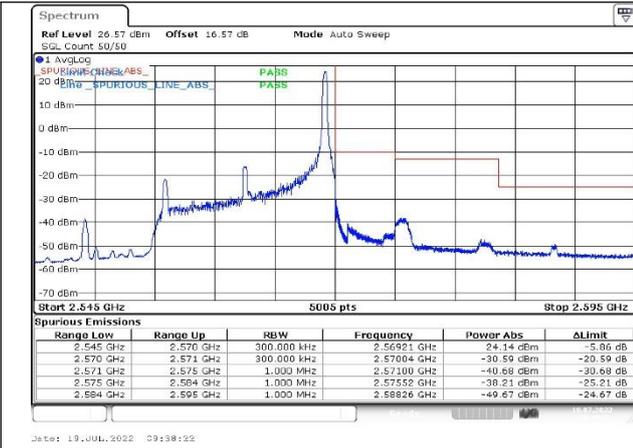


Fig.11



Fig.12

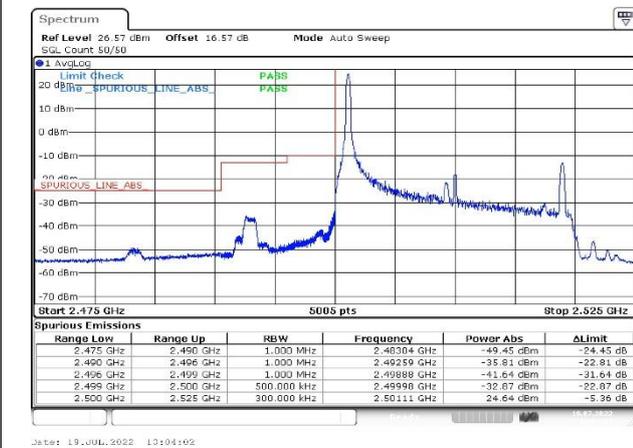


Fig.13

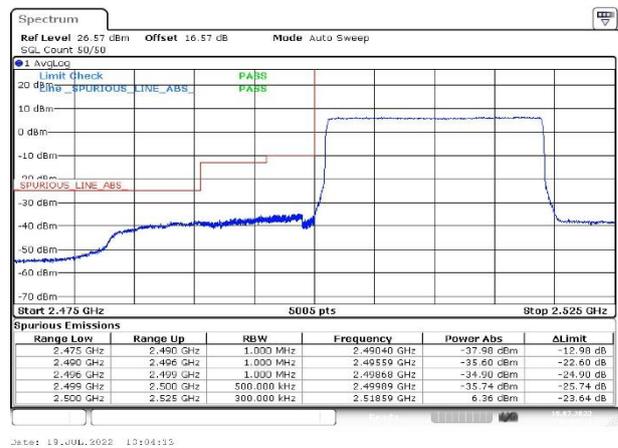


Fig.14

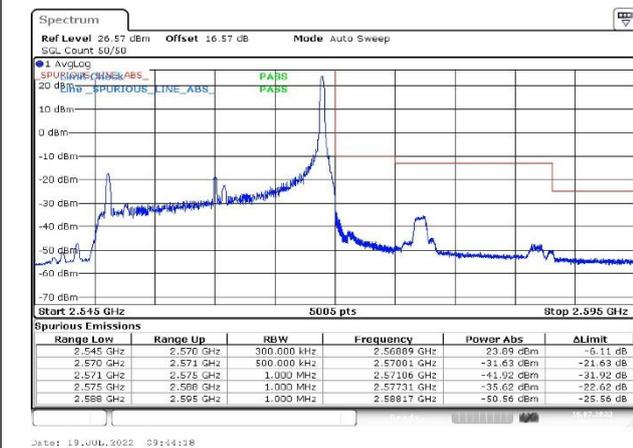


Fig.15

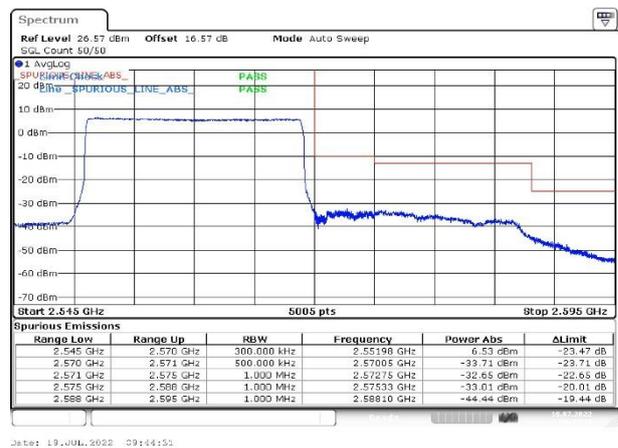


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 7 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.013	0.009	-0.009	-0.004
0	NV	0.014	-0.006	-0.012	-0.010
+10	NV	-0.005	0.015	0.005	0.008
+30	NV	-0.009	0.002	-0.009	0.010
+40	NV	0.004	-0.017	0.010	-0.011
+55	NV	-0.015	-0.007	-0.014	0.012
+20	LV	-0.014	-0.019	-0.027	-0.013
+20	HV	-0.011	-0.006	-0.009	-0.017

Temperature(°C)	Voltage	Test Result (ppm) Band 7 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.019	-0.007	-0.022	0.007
0	NV	-0.005	0.008	-0.010	0.013
+10	NV	-0.019	-0.012	-0.010	-0.011
+30	NV	-0.005	-0.015	-0.014	-0.008
+40	NV	-0.014	-0.017	0.019	0.009
+55	NV	-0.013	-0.016	-0.008	0.009
+20	LV	-0.016	-0.010	-0.014	-0.023
+20	HV	-0.011	-0.015	-0.015	-0.017

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2502.5	20775	5	1	0	23.42	21.52	0.142
16QAM	2502.5	20775	5	1	12	23.27	21.37	0.137
16QAM	2502.5	20775	5	1	24	23.26	21.36	0.137
16QAM	2502.5	20775	5	12	0	22.48	20.58	0.114
16QAM	2502.5	20775	5	12	7	22.44	20.54	0.113
16QAM	2502.5	20775	5	12	13	22.47	20.57	0.114
16QAM	2502.5	20775	5	25	0	22.50	20.60	0.115
16QAM	2535	21100	5	1	0	23.70	21.80	0.151
16QAM	2535	21100	5	1	12	24.11	22.21	0.166
16QAM	2535	21100	5	1	24	23.75	21.85	0.153
16QAM	2535	21100	5	12	0	22.65	20.75	0.119
16QAM	2535	21100	5	12	7	22.65	20.75	0.119
16QAM	2535	21100	5	12	13	22.26	20.36	0.109
16QAM	2535	21100	5	25	0	22.66	20.76	0.119
16QAM	2567.5	21425	5	1	0	23.88	21.98	0.158
16QAM	2567.5	21425	5	1	12	23.87	21.97	0.157
16QAM	2567.5	21425	5	1	24	24.01	22.11	0.163
16QAM	2567.5	21425	5	12	0	22.33	20.43	0.110
16QAM	2567.5	21425	5	12	7	22.18	20.28	0.107
16QAM	2567.5	21425	5	12	13	22.36	20.46	0.111
16QAM	2567.5	21425	5	25	0	22.27	20.37	0.109
64QAM	2502.5	20775	5	1	0	22.85	20.95	0.124
64QAM	2502.5	20775	5	1	12	22.70	20.80	0.120
64QAM	2502.5	20775	5	1	24	22.16	20.26	0.106
64QAM	2502.5	20775	5	12	0	21.37	19.47	0.089
64QAM	2502.5	20775	5	12	7	21.69	19.79	0.095
64QAM	2502.5	20775	5	12	13	21.65	19.75	0.094
64QAM	2502.5	20775	5	25	0	21.51	19.61	0.091
64QAM	2535	21100	5	1	0	23.68	21.78	0.151
64QAM	2535	21100	5	1	12	23.65	21.75	0.150
64QAM	2535	21100	5	1	24	23.32	21.42	0.139
64QAM	2535	21100	5	12	0	20.83	18.93	0.078
64QAM	2535	21100	5	12	7	21.04	19.14	0.082
64QAM	2535	21100	5	12	13	20.89	18.99	0.079
64QAM	2535	21100	5	25	0	20.87	18.97	0.079
64QAM	2567.5	21425	5	1	0	23.40	21.50	0.141
64QAM	2567.5	21425	5	1	12	23.40	21.50	0.141
64QAM	2567.5	21425	5	1	24	23.53	21.63	0.146
64QAM	2567.5	21425	5	12	0	21.14	19.24	0.084
64QAM	2567.5	21425	5	12	7	21.26	19.36	0.086
64QAM	2567.5	21425	5	12	13	21.07	19.17	0.083
64QAM	2567.5	21425	5	25	0	21.10	19.20	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2502.5	20775	5	1	0	24.57	22.67	0.185
QPSK	2502.5	20775	5	1	12	24.42	22.52	0.179
QPSK	2502.5	20775	5	1	24	24.35	22.45	0.176
QPSK	2502.5	20775	5	12	0	23.59	21.69	0.148
QPSK	2502.5	20775	5	12	7	23.58	21.68	0.147
QPSK	2502.5	20775	5	12	13	23.51	21.61	0.145
QPSK	2502.5	20775	5	25	0	23.49	21.59	0.144
QPSK	2535	21100	5	1	0	23.87	21.97	0.157
QPSK	2535	21100	5	1	12	23.88	21.98	0.158
QPSK	2535	21100	5	1	24	23.92	22.02	0.159
QPSK	2535	21100	5	12	0	23.19	21.29	0.135
QPSK	2535	21100	5	12	7	23.61	21.71	0.148
QPSK	2535	21100	5	12	13	23.29	21.39	0.138
QPSK	2535	21100	5	25	0	23.60	21.70	0.148
QPSK	2567.5	21425	5	1	0	23.96	22.06	0.161
QPSK	2567.5	21425	5	1	12	24.01	22.11	0.163
QPSK	2567.5	21425	5	1	24	24.06	22.16	0.164
QPSK	2567.5	21425	5	12	0	23.41	21.51	0.142
QPSK	2567.5	21425	5	12	7	23.41	21.51	0.142
QPSK	2567.5	21425	5	12	13	23.37	21.47	0.140
QPSK	2567.5	21425	5	25	0	23.27	21.37	0.137

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2505	20800	10	1	0	23.58	21.68	0.147
16QAM	2505	20800	10	1	25	23.43	21.53	0.142
16QAM	2505	20800	10	1	49	23.35	21.45	0.140
16QAM	2505	20800	10	25	0	22.50	20.60	0.115
16QAM	2505	20800	10	25	12	22.46	20.56	0.114
16QAM	2505	20800	10	25	25	22.94	21.04	0.127
16QAM	2505	20800	10	50	0	22.45	20.55	0.114
16QAM	2535	21100	10	1	0	24.12	22.22	0.167
16QAM	2535	21100	10	1	25	24.49	22.59	0.182
16QAM	2535	21100	10	1	49	24.12	22.22	0.167
16QAM	2535	21100	10	25	0	22.61	20.71	0.118
16QAM	2535	21100	10	25	12	22.77	20.87	0.122
16QAM	2535	21100	10	25	25	22.41	20.51	0.112
16QAM	2535	21100	10	50	0	22.69	20.79	0.120
16QAM	2565	21400	10	1	0	24.17	22.27	0.169
16QAM	2565	21400	10	1	25	24.26	22.36	0.172
16QAM	2565	21400	10	1	49	24.28	22.38	0.173
16QAM	2565	21400	10	25	0	22.92	21.02	0.126
16QAM	2565	21400	10	25	12	22.55	20.65	0.116
16QAM	2565	21400	10	25	25	22.43	20.53	0.113
16QAM	2565	21400	10	50	0	22.57	20.67	0.117
64QAM	2505	20800	10	1	0	23.23	21.33	0.136
64QAM	2505	20800	10	1	25	22.95	21.05	0.127
64QAM	2505	20800	10	1	49	23.42	21.52	0.142
64QAM	2505	20800	10	25	0	21.08	19.18	0.083
64QAM	2505	20800	10	25	12	21.40	19.50	0.089
64QAM	2505	20800	10	25	25	21.68	19.78	0.095
64QAM	2505	20800	10	50	0	21.35	19.45	0.088
64QAM	2535	21100	10	1	0	22.76	20.86	0.122
64QAM	2535	21100	10	1	25	23.06	21.16	0.131
64QAM	2535	21100	10	1	49	23.36	21.46	0.140
64QAM	2535	21100	10	25	0	21.00	19.10	0.081
64QAM	2535	21100	10	25	12	21.10	19.20	0.083
64QAM	2535	21100	10	25	25	21.29	19.39	0.087
64QAM	2535	21100	10	50	0	21.02	19.12	0.082
64QAM	2565	21400	10	1	0	23.03	21.13	0.130
64QAM	2565	21400	10	1	25	23.01	21.11	0.129
64QAM	2565	21400	10	1	49	23.15	21.25	0.133
64QAM	2565	21400	10	25	0	21.32	19.42	0.087
64QAM	2565	21400	10	25	12	21.34	19.44	0.088
64QAM	2565	21400	10	25	25	21.39	19.49	0.089
64QAM	2565	21400	10	50	0	21.31	19.41	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2505	20800	10	1	0	24.52	22.62	0.183
QPSK	2505	20800	10	1	25	24.32	22.42	0.175
QPSK	2505	20800	10	1	49	24.13	22.23	0.167
QPSK	2505	20800	10	25	0	23.43	21.53	0.142
QPSK	2505	20800	10	25	12	23.42	21.52	0.142
QPSK	2505	20800	10	25	25	23.43	21.53	0.142
QPSK	2505	20800	10	50	0	23.56	21.66	0.147
QPSK	2535	21100	10	1	0	24.14	22.24	0.167
QPSK	2535	21100	10	1	25	24.18	22.28	0.169
QPSK	2535	21100	10	1	49	24.20	22.30	0.170
QPSK	2535	21100	10	25	0	23.29	21.39	0.138
QPSK	2535	21100	10	25	12	23.61	21.71	0.148
QPSK	2535	21100	10	25	25	23.36	21.46	0.140
QPSK	2535	21100	10	50	0	23.68	21.78	0.151
QPSK	2565	21400	10	1	0	24.27	22.37	0.173
QPSK	2565	21400	10	1	25	24.26	22.36	0.172
QPSK	2565	21400	10	1	49	24.30	22.40	0.174
QPSK	2565	21400	10	25	0	23.39	21.49	0.141
QPSK	2565	21400	10	25	12	23.38	21.48	0.141
QPSK	2565	21400	10	25	25	23.43	21.53	0.142
QPSK	2565	21400	10	50	0	23.39	21.49	0.141

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2507.5	20825	15	1	0	24.58	22.68	0.185
16QAM	2507.5	20825	15	1	37	24.35	22.45	0.176
16QAM	2507.5	20825	15	1	74	24.09	22.19	0.166
16QAM	2507.5	20825	15	36	0	22.59	20.69	0.117
16QAM	2507.5	20825	15	36	29	22.88	20.98	0.125
16QAM	2507.5	20825	15	36	30	22.93	21.03	0.127
16QAM	2507.5	20825	15	75	0	22.98	21.08	0.128
16QAM	2535	21100	15	1	0	23.98	22.08	0.161
16QAM	2535	21100	15	1	37	24.63	22.73	0.187
16QAM	2535	21100	15	1	74	24.03	22.13	0.163
16QAM	2535	21100	15	36	0	22.36	20.46	0.111
16QAM	2535	21100	15	36	29	22.32	20.42	0.110
16QAM	2535	21100	15	36	30	22.28	20.38	0.109
16QAM	2535	21100	15	75	0	22.77	20.87	0.122
16QAM	2562.5	21375	15	1	0	23.24	21.34	0.136
16QAM	2562.5	21375	15	1	37	23.30	21.40	0.138
16QAM	2562.5	21375	15	1	74	23.34	21.44	0.139
16QAM	2562.5	21375	15	36	0	22.56	20.66	0.116
16QAM	2562.5	21375	15	36	29	22.51	20.61	0.115
16QAM	2562.5	21375	15	36	30	22.51	20.61	0.115
16QAM	2562.5	21375	15	75	0	22.95	21.05	0.127
64QAM	2507.5	20825	15	1	0	23.22	21.32	0.136
64QAM	2507.5	20825	15	1	37	23.52	21.62	0.145
64QAM	2507.5	20825	15	1	74	22.84	20.94	0.124
64QAM	2507.5	20825	15	36	0	21.26	19.36	0.086
64QAM	2507.5	20825	15	36	29	21.51	19.61	0.091
64QAM	2507.5	20825	15	36	30	21.52	19.62	0.092
64QAM	2507.5	20825	15	75	0	21.41	19.51	0.089
64QAM	2535	21100	15	1	0	22.82	20.92	0.124
64QAM	2535	21100	15	1	37	23.22	21.32	0.136
64QAM	2535	21100	15	1	74	23.36	21.46	0.140
64QAM	2535	21100	15	36	0	21.21	19.31	0.085
64QAM	2535	21100	15	36	29	21.33	19.43	0.088
64QAM	2535	21100	15	36	30	21.35	19.45	0.088
64QAM	2535	21100	15	75	0	21.31	19.41	0.087
64QAM	2562.5	21375	15	1	0	22.86	20.96	0.125
64QAM	2562.5	21375	15	1	37	23.29	21.39	0.138
64QAM	2562.5	21375	15	1	74	22.93	21.03	0.127
64QAM	2562.5	21375	15	36	0	21.61	19.71	0.094
64QAM	2562.5	21375	15	36	29	21.40	19.50	0.089
64QAM	2562.5	21375	15	36	30	21.39	19.49	0.089
64QAM	2562.5	21375	15	75	0	21.48	19.58	0.091

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	24.47	22.57	0.181
QPSK	2507.5	20825	15	1	37	24.32	22.42	0.175
QPSK	2507.5	20825	15	1	74	24.10	22.20	0.166
QPSK	2507.5	20825	15	36	0	23.45	21.55	0.143
QPSK	2507.5	20825	15	36	29	23.36	21.46	0.140
QPSK	2507.5	20825	15	36	30	23.39	21.49	0.141
QPSK	2507.5	20825	15	75	0	23.48	21.58	0.144
QPSK	2535	21100	15	1	0	24.16	22.26	0.168
QPSK	2535	21100	15	1	37	24.11	22.21	0.166
QPSK	2535	21100	15	1	74	24.17	22.27	0.169
QPSK	2535	21100	15	36	0	23.37	21.47	0.140
QPSK	2535	21100	15	36	29	23.26	21.36	0.137
QPSK	2535	21100	15	36	30	23.27	21.37	0.137
QPSK	2535	21100	15	75	0	23.71	21.81	0.152
QPSK	2562.5	21375	15	1	0	24.35	22.45	0.176
QPSK	2562.5	21375	15	1	37	24.22	22.32	0.171
QPSK	2562.5	21375	15	1	74	24.38	22.48	0.177
QPSK	2562.5	21375	15	36	0	23.53	21.63	0.146
QPSK	2562.5	21375	15	36	29	23.43	21.53	0.142
QPSK	2562.5	21375	15	36	30	23.42	21.52	0.142
QPSK	2562.5	21375	15	75	0	23.26	21.36	0.137

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2510	20850	20	1	0	24.20	22.30	0.170
16QAM	2510	20850	20	1	49	23.92	22.02	0.159
16QAM	2510	20850	20	1	99	23.66	21.76	0.150
16QAM	2510	20850	20	50	0	22.63	20.73	0.118
16QAM	2510	20850	20	50	24	22.97	21.07	0.128
16QAM	2510	20850	20	50	50	22.42	20.52	0.113
16QAM	2510	20850	20	100	0	22.87	20.97	0.125
16QAM	2535	21100	20	1	0	23.92	22.02	0.159
16QAM	2535	21100	20	1	49	23.41	21.51	0.142
16QAM	2535	21100	20	1	99	23.41	21.51	0.142
16QAM	2535	21100	20	50	0	22.32	20.42	0.110
16QAM	2535	21100	20	50	24	22.80	20.90	0.123
16QAM	2535	21100	20	50	50	22.71	20.81	0.121
16QAM	2535	21100	20	100	0	22.90	21.00	0.126
16QAM	2560	21350	20	1	0	23.51	21.61	0.145
16QAM	2560	21350	20	1	49	23.44	21.54	0.143
16QAM	2560	21350	20	1	99	23.42	21.52	0.142
16QAM	2560	21350	20	50	0	22.55	20.65	0.116
16QAM	2560	21350	20	50	24	22.68	20.78	0.120
16QAM	2560	21350	20	50	50	22.65	20.75	0.119
16QAM	2560	21350	20	100	0	22.46	20.56	0.114
64QAM	2510	20850	20	1	0	23.13	21.23	0.133
64QAM	2510	20850	20	1	49	23.16	21.26	0.134
64QAM	2510	20850	20	1	99	23.06	21.16	0.131
64QAM	2510	20850	20	50	0	21.56	19.66	0.092
64QAM	2510	20850	20	50	24	21.52	19.62	0.092
64QAM	2510	20850	20	50	50	21.61	19.71	0.094
64QAM	2510	20850	20	100	0	21.45	19.55	0.090
64QAM	2535	21100	20	1	0	23.17	21.27	0.134
64QAM	2535	21100	20	1	49	23.16	21.26	0.134
64QAM	2535	21100	20	1	99	22.78	20.88	0.122
64QAM	2535	21100	20	50	0	21.45	19.55	0.090
64QAM	2535	21100	20	50	24	21.39	19.49	0.089
64QAM	2535	21100	20	50	50	21.66	19.76	0.095
64QAM	2535	21100	20	100	0	21.52	19.62	0.092
64QAM	2560	21350	20	1	0	23.28	21.38	0.137
64QAM	2560	21350	20	1	49	23.46	21.56	0.143
64QAM	2560	21350	20	1	99	23.46	21.56	0.143
64QAM	2560	21350	20	50	0	21.92	20.02	0.100
64QAM	2560	21350	20	50	24	21.65	19.75	0.094
64QAM	2560	21350	20	50	50	21.60	19.70	0.093
64QAM	2560	21350	20	100	0	21.74	19.84	0.096

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2510	20850	20	1	0	24.31	22.41	0.174
QPSK	2510	20850	20	1	49	24.14	22.24	0.167
QPSK	2510	20850	20	1	99	23.99	22.09	0.162
QPSK	2510	20850	20	50	0	23.46	21.56	0.143
QPSK	2510	20850	20	50	24	23.42	21.52	0.142
QPSK	2510	20850	20	50	50	23.24	21.34	0.136
QPSK	2510	20850	20	100	0	23.48	21.58	0.144
QPSK	2535	21100	20	1	0	24.13	22.23	0.167
QPSK	2535	21100	20	1	49	23.90	22.00	0.158
QPSK	2535	21100	20	1	99	24.04	22.14	0.164
QPSK	2535	21100	20	50	0	23.25	21.35	0.136
QPSK	2535	21100	20	50	24	23.62	21.72	0.149
QPSK	2535	21100	20	50	50	23.43	21.53	0.142
QPSK	2535	21100	20	100	0	23.64	21.74	0.149
QPSK	2560	21350	20	1	0	24.10	22.20	0.166
QPSK	2560	21350	20	1	49	24.22	22.32	0.171
QPSK	2560	21350	20	1	99	24.18	22.28	0.169
QPSK	2560	21350	20	50	0	23.47	21.57	0.144
QPSK	2560	21350	20	50	24	23.50	21.60	0.145
QPSK	2560	21350	20	50	50	23.46	21.56	0.143
QPSK	2560	21350	20	100	0	23.49	21.59	0.144