

Fig.61

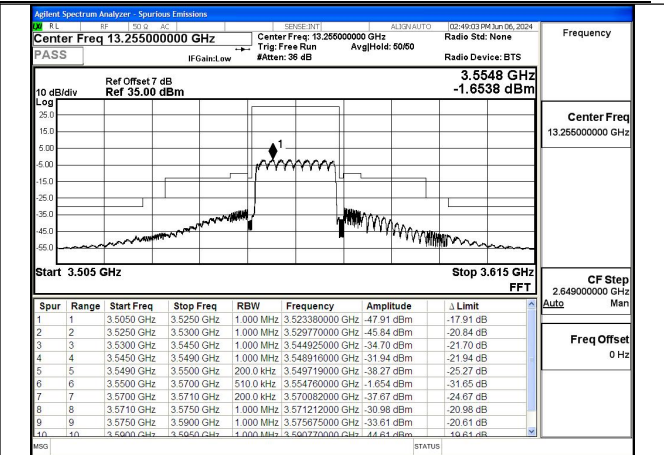


Fig.62

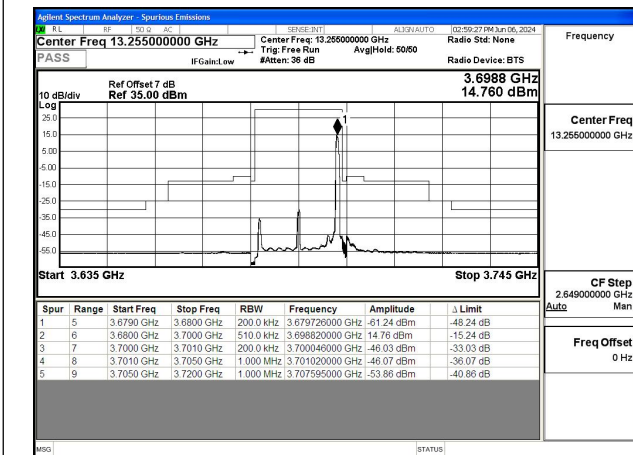


Fig.63



Fig.64

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 48 Low Channel QPSK			
		5M	10M	15M	20M
-30	NV	0.000	0.000	-0.001	0.002
-20	NV	-0.001	0.001	-0.002	-0.001
-10	NV	0.000	0.001	-0.002	-0.001
0	NV	0.000	0.001	-0.002	-0.001
+10	NV	-0.001	0.001	0.001	0.001
+20	NV	-0.001	0.001	-0.001	0.001
+30	NV	-0.001	0.002	-0.002	0.001
+40	NV	0.001	-0.002	-0.002	-0.002
+50	NV	-0.001	-0.002	-0.001	-0.001
+20	LV	-0.001	-0.001	-0.001	-0.001
+20	HV	0.000	0.001	-0.002	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band 48 High Channel QPSK			
		5M	10M	15M	20M
-30	NV	-0.001	0.001	-0.001	-0.002
20	NV	-0.001	-0.002	-0.002	-0.002
-10	NV	-0.001	-0.001	-0.001	-0.001
	NV	0.001	-0.001	-0.002	0.001
10	NV	0.000	-0.001	-0.001	0.001
+20	NV	-0.001	0.001	-0.001	-0.002
+30	NV	0.000	-0.001	-0.002	-0.002
+40	NV	0.001	-0.002	-0.002	0.001
+50	NV	-0.001	-0.001	0.001	-0.002
20	LV	-0.001	0.001	-0.001	0.002
20	HV	-0.001	-0.001	-0.002	-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	3552.5	55265	5	1	0	24.25	25.25	0.335
QPSK	3552.5	55265	5	1	12	23.99	24.99	0.316
QPSK	3552.5	55265	5	1	24	23.23	24.23	0.265
QPSK	3552.5	55265	5	12	0	23.21	24.21	0.264
QPSK	3552.5	55265	5	12	7	22.90	23.90	0.245
QPSK	3552.5	55265	5	12	13	22.61	23.61	0.230
QPSK	3552.5	55265	5	25	0	22.90	23.90	0.245
QPSK	3625	55990	5	1	0	21.47	22.47	0.177
QPSK	3625	55990	5	1	12	21.02	22.02	0.159
QPSK	3625	55990	5	1	24	20.15	21.15	0.130
QPSK	3625	55990	5	12	0	20.00	21.00	0.126
QPSK	3625	55990	5	12	7	19.74	20.74	0.119
QPSK	3625	55990	5	12	13	19.38	20.38	0.109
QPSK	3625	55990	5	25	0	19.78	20.78	0.120
QPSK	3697.5	56715	5	1	0	18.70	19.70	0.093
QPSK	3697.5	56715	5	1	12	18.42	19.42	0.087
QPSK	3697.5	56715	5	1	24	18.87	19.87	0.097
QPSK	3697.5	56715	5	12	0	17.48	18.48	0.070
QPSK	3697.5	56715	5	12	7	17.42	18.42	0.070
QPSK	3697.5	56715	5	12	13	17.50	18.50	0.071
QPSK	3697.5	56715	5	25	0	17.47	18.47	0.070

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3552.5	55265	5	1	0	23.68	24.68	0.294
16QAM	3552.5	55265	5	1	12	23.10	24.10	0.257
16QAM	3552.5	55265	5	1	24	22.60	23.60	0.229
16QAM	3552.5	55265	5	12	0	22.26	23.26	0.212
16QAM	3552.5	55265	5	12	7	21.99	22.99	0.199
16QAM	3552.5	55265	5	12	13	21.48	22.48	0.177
16QAM	3552.5	55265	5	25	0	21.82	22.82	0.191
16QAM	3625	55990	5	1	0	20.26	21.26	0.134
16QAM	3625	55990	5	1	12	20.09	21.09	0.129
16QAM	3625	55990	5	1	24	19.02	20.02	0.100
16QAM	3625	55990	5	12	0	18.99	19.99	0.100
16QAM	3625	55990	5	12	7	18.80	19.80	0.095
16QAM	3625	55990	5	12	13	18.38	19.38	0.087
16QAM	3625	55990	5	25	0	18.86	19.86	0.097
16QAM	3697.5	56715	5	1	0	18.10	19.10	0.081
16QAM	3697.5	56715	5	1	12	18.03	19.03	0.080
16QAM	3697.5	56715	5	1	24	17.91	18.91	0.078
16QAM	3697.5	56715	5	12	0	16.38	17.38	0.055
16QAM	3697.5	56715	5	12	7	16.45	17.45	0.056
16QAM	3697.5	56715	5	12	13	16.52	17.52	0.056
16QAM	3697.5	56715	5	25	0	16.54	17.54	0.057
64QAM	3552.5	55265	5	1	0	23.64	24.64	0.291
64QAM	3552.5	55265	5	1	12	23.04	24.04	0.254
64QAM	3552.5	55265	5	1	24	22.63	23.63	0.231
64QAM	3552.5	55265	5	12	0	22.28	23.28	0.213
64QAM	3552.5	55265	5	12	7	21.95	22.95	0.197
64QAM	3552.5	55265	5	12	13	21.52	22.52	0.179
64QAM	3552.5	55265	5	25	0	21.97	22.97	0.198
64QAM	3625	55990	5	1	0	19.20	20.20	0.105
64QAM	3625	55990	5	1	12	18.79	19.79	0.095
64QAM	3625	55990	5	1	24	17.95	18.95	0.079
64QAM	3625	55990	5	12	0	18.10	19.10	0.081
64QAM	3625	55990	5	12	7	17.83	18.83	0.076
64QAM	3625	55990	5	12	13	17.43	18.43	0.070
64QAM	3625	55990	5	25	0	17.72	18.72	0.074
64QAM	3697.5	56715	5	1	0	16.69	17.69	0.059
64QAM	3697.5	56715	5	1	12	16.59	17.59	0.057
64QAM	3697.5	56715	5	1	24	16.90	17.90	0.062
64QAM	3697.5	56715	5	12	0	15.38	16.38	0.043
64QAM	3697.5	56715	5	12	7	15.38	16.38	0.043
64QAM	3697.5	56715	5	12	13	15.42	16.42	0.044
64QAM	3697.5	56715	5	25	0	15.43	16.43	0.044
256QAM	3552.5	55265	5	1	0	19.94	20.94	0.124

256QAM	3552.5	55265	5	1	12	19.09	20.09	0.102
256QAM	3552.5	55265	5	1	24	18.40	19.40	0.087
256QAM	3552.5	55265	5	12	0	19.19	20.19	0.104
256QAM	3552.5	55265	5	12	7	18.91	19.91	0.098
256QAM	3552.5	55265	5	12	13	18.55	19.55	0.090
256QAM	3552.5	55265	5	25	0	18.93	19.93	0.098
256QAM	3625	55990	5	1	0	16.20	17.20	0.052
256QAM	3625	55990	5	1	12	16.34	17.34	0.054
256QAM	3625	55990	5	1	24	14.84	15.84	0.038
256QAM	3625	55990	5	12	0	16.09	17.09	0.051
256QAM	3625	55990	5	12	7	15.72	16.72	0.047
256QAM	3625	55990	5	12	13	15.28	16.28	0.042
256QAM	3625	55990	5	25	0	15.75	16.75	0.047
256QAM	3697.5	56715	5	1	0	13.73	14.73	0.030
256QAM	3697.5	56715	5	1	12	13.80	14.80	0.030
256QAM	3697.5	56715	5	1	24	13.82	14.82	0.030
256QAM	3697.5	56715	5	12	0	13.67	14.67	0.029
256QAM	3697.5	56715	5	12	7	13.51	14.51	0.028
256QAM	3697.5	56715	5	12	13	13.63	14.63	0.029
256QAM	3697.5	56715	5	25	0	13.42	14.42	0.028

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3555	55290	10	1	0	24.66	25.66	0.368
QPSK	3555	55290	10	1	25	23.35	24.35	0.272
QPSK	3555	55290	10	1	49	21.66	22.66	0.185
QPSK	3555	55290	10	25	0	22.89	23.89	0.245
QPSK	3555	55290	10	25	12	22.31	23.31	0.214
QPSK	3555	55290	10	25	25	21.55	22.55	0.180
QPSK	3555	55290	10	50	0	22.19	23.19	0.208
QPSK	3625	55990	10	1	0	22.31	23.31	0.214
QPSK	3625	55990	10	1	25	21.03	22.03	0.160
QPSK	3625	55990	10	1	49	19.43	20.43	0.110
QPSK	3625	55990	10	25	0	20.55	21.55	0.143
QPSK	3625	55990	10	25	12	19.88	20.88	0.122
QPSK	3625	55990	10	25	25	19.13	20.13	0.103
QPSK	3625	55990	10	50	0	19.89	20.89	0.123
QPSK	3695	56690	10	1	0	20.23	21.23	0.133
QPSK	3695	56690	10	1	25	18.87	19.87	0.097
QPSK	3695	56690	10	1	49	18.76	19.76	0.095
QPSK	3695	56690	10	25	0	18.26	19.26	0.084
QPSK	3695	56690	10	25	12	17.81	18.81	0.076
QPSK	3695	56690	10	25	25	17.51	18.51	0.071
QPSK	3695	56690	10	50	0	17.91	18.91	0.078

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3555	55290	10	1	0	23.85	24.85	0.305
16QAM	3555	55290	10	1	25	22.42	23.42	0.220
16QAM	3555	55290	10	1	49	21.15	22.15	0.164
16QAM	3555	55290	10	25	0	21.96	22.96	0.198
16QAM	3555	55290	10	25	12	21.26	22.26	0.168
16QAM	3555	55290	10	25	25	20.56	21.56	0.143
16QAM	3555	55290	10	50	0	21.35	22.35	0.172
16QAM	3625	55990	10	1	0	21.34	22.34	0.171
16QAM	3625	55990	10	1	25	20.27	21.27	0.134
16QAM	3625	55990	10	1	49	18.80	19.80	0.095
16QAM	3625	55990	10	25	0	19.53	20.53	0.113
16QAM	3625	55990	10	25	12	18.93	19.93	0.098
16QAM	3625	55990	10	25	25	18.16	19.16	0.082
16QAM	3625	55990	10	50	0	18.83	19.83	0.096
16QAM	3695	56690	10	1	0	19.34	20.34	0.108
16QAM	3695	56690	10	1	25	17.91	18.91	0.078
16QAM	3695	56690	10	1	49	17.92	18.92	0.078
16QAM	3695	56690	10	25	0	17.51	18.51	0.071
16QAM	3695	56690	10	25	12	16.81	17.81	0.060
16QAM	3695	56690	10	25	25	16.49	17.49	0.056
16QAM	3695	56690	10	50	0	17.02	18.02	0.063
64QAM	3555	55290	10	1	0	23.16	24.16	0.261
64QAM	3555	55290	10	1	25	21.94	22.94	0.197
64QAM	3555	55290	10	1	49	19.98	20.98	0.125
64QAM	3555	55290	10	25	0	20.97	21.97	0.157
64QAM	3555	55290	10	25	12	20.32	21.32	0.136
64QAM	3555	55290	10	25	25	19.58	20.58	0.114
64QAM	3555	55290	10	50	0	20.35	21.35	0.136
64QAM	3625	55990	10	1	0	20.87	21.87	0.154
64QAM	3625	55990	10	1	25	18.76	19.76	0.095
64QAM	3625	55990	10	1	49	17.14	18.14	0.065
64QAM	3625	55990	10	25	0	18.54	19.54	0.090
64QAM	3625	55990	10	25	12	17.91	18.91	0.078
64QAM	3625	55990	10	25	25	17.18	18.18	0.066
64QAM	3625	55990	10	50	0	17.83	18.83	0.076
64QAM	3695	56690	10	1	0	18.57	19.57	0.091
64QAM	3695	56690	10	1	25	16.71	17.71	0.059
64QAM	3695	56690	10	1	49	16.45	17.45	0.056
64QAM	3695	56690	10	25	0	16.34	17.34	0.054
64QAM	3695	56690	10	25	12	15.80	16.80	0.048
64QAM	3695	56690	10	25	25	15.61	16.61	0.046
64QAM	3695	56690	10	50	0	16.02	17.02	0.050
256QAM	3555	55290	10	1	0	19.79	20.79	0.120

256QAM	3555	55290	10	1	25	18.01	19.01	0.080
256QAM	3555	55290	10	1	49	16.82	17.82	0.061
256QAM	3555	55290	10	25	0	18.96	19.96	0.099
256QAM	3555	55290	10	25	12	18.32	19.32	0.086
256QAM	3555	55290	10	25	25	17.58	18.58	0.072
256QAM	3555	55290	10	50	0	18.33	19.33	0.086
256QAM	3625	55990	10	1	0	17.42	18.42	0.070
256QAM	3625	55990	10	1	25	16.07	17.07	0.051
256QAM	3625	55990	10	1	49	14.16	15.16	0.033
256QAM	3625	55990	10	25	0	16.57	17.57	0.057
256QAM	3625	55990	10	25	12	15.90	16.90	0.049
256QAM	3625	55990	10	25	25	15.00	16.00	0.040
256QAM	3625	55990	10	50	0	15.89	16.89	0.049
256QAM	3695	56690	10	1	0	15.30	16.30	0.043
256QAM	3695	56690	10	1	25	14.05	15.05	0.032
256QAM	3695	56690	10	1	49	13.78	14.78	0.030
256QAM	3695	56690	10	25	0	14.33	15.33	0.034
256QAM	3695	56690	10	25	12	13.70	14.70	0.030
256QAM	3695	56690	10	25	25	13.48	14.48	0.028
256QAM	3695	56690	10	50	0	13.90	14.90	0.031



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3557.5	55315	15	1	0	24.17	25.17	0.329
QPSK	3557.5	55315	15	1	37	21.94	22.94	0.197
QPSK	3557.5	55315	15	1	74	19.57	20.57	0.114
QPSK	3557.5	55315	15	36	0	22.10	23.10	0.204
QPSK	3557.5	55315	15	36	29	20.60	21.60	0.145
QPSK	3557.5	55315	15	36	30	20.51	21.51	0.142
QPSK	3557.5	55315	15	75	0	21.30	22.30	0.170
QPSK	3625	55990	15	1	0	22.44	23.44	0.221
QPSK	3625	55990	15	1	37	20.58	21.58	0.144
QPSK	3625	55990	15	1	74	18.94	19.94	0.099
QPSK	3625	55990	15	36	0	20.67	21.67	0.147
QPSK	3625	55990	15	36	29	19.11	20.11	0.103
QPSK	3625	55990	15	36	30	19.06	20.06	0.101
QPSK	3625	55990	15	75	0	19.83	20.83	0.121
QPSK	3692.5	56665	15	1	0	21.99	22.99	0.199
QPSK	3692.5	56665	15	1	37	19.59	20.59	0.115
QPSK	3692.5	56665	15	1	74	18.81	19.81	0.096
QPSK	3692.5	56665	15	36	0	19.48	20.48	0.112
QPSK	3692.5	56665	15	36	29	17.86	18.86	0.077
QPSK	3692.5	56665	15	36	30	17.80	18.80	0.076
QPSK	3692.5	56665	15	75	0	18.56	19.56	0.090

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3557.5	55315	15	1	0	23.52	24.52	0.283
16QAM	3557.5	55315	15	1	37	21.41	22.41	0.174
16QAM	3557.5	55315	15	1	74	19.09	20.09	0.102
16QAM	3557.5	55315	15	36	0	21.23	22.23	0.167
16QAM	3557.5	55315	15	36	29	19.60	20.60	0.115
16QAM	3557.5	55315	15	36	30	19.57	20.57	0.114
16QAM	3557.5	55315	15	75	0	20.37	21.37	0.137
16QAM	3625	55990	15	1	0	21.84	22.84	0.192
16QAM	3625	55990	15	1	37	19.28	20.28	0.107
16QAM	3625	55990	15	1	74	17.58	18.58	0.072
16QAM	3625	55990	15	36	0	19.75	20.75	0.119
16QAM	3625	55990	15	36	29	18.11	19.11	0.081
16QAM	3625	55990	15	36	30	17.98	18.98	0.079
16QAM	3625	55990	15	75	0	18.71	19.71	0.094
16QAM	3692.5	56665	15	1	0	20.87	21.87	0.154
16QAM	3692.5	56665	15	1	37	18.31	19.31	0.085
16QAM	3692.5	56665	15	1	74	17.39	18.39	0.069
16QAM	3692.5	56665	15	36	0	18.32	19.32	0.086
16QAM	3692.5	56665	15	36	29	16.80	17.80	0.060
16QAM	3692.5	56665	15	36	30	16.89	17.89	0.062
16QAM	3692.5	56665	15	75	0	17.52	18.52	0.071
64QAM	3557.5	55315	15	1	0	23.26	24.26	0.267
64QAM	3557.5	55315	15	1	37	21.13	22.13	0.163
64QAM	3557.5	55315	15	1	74	18.51	19.51	0.089
64QAM	3557.5	55315	15	36	0	21.28	22.28	0.169
64QAM	3557.5	55315	15	36	29	19.66	20.66	0.116
64QAM	3557.5	55315	15	36	30	19.55	20.55	0.114
64QAM	3557.5	55315	15	75	0	20.24	21.24	0.133
64QAM	3625	55990	15	1	0	20.77	21.77	0.150
64QAM	3625	55990	15	1	37	18.85	19.85	0.097
64QAM	3625	55990	15	1	74	16.69	17.69	0.059
64QAM	3625	55990	15	36	0	18.77	19.77	0.095
64QAM	3625	55990	15	36	29	17.14	18.14	0.065
64QAM	3625	55990	15	36	30	16.88	17.88	0.061
64QAM	3625	55990	15	75	0	17.72	18.72	0.074
64QAM	3692.5	56665	15	1	0	19.53	20.53	0.113
64QAM	3692.5	56665	15	1	37	17.35	18.35	0.068
64QAM	3692.5	56665	15	1	74	16.80	17.80	0.060
64QAM	3692.5	56665	15	36	0	17.49	18.49	0.071
64QAM	3692.5	56665	15	36	29	15.95	16.95	0.050
64QAM	3692.5	56665	15	36	30	15.85	16.85	0.048
64QAM	3692.5	56665	15	75	0	16.59	17.59	0.057
256QAM	3557.5	55315	15	1	0	18.85	19.85	0.097

256QAM	3557.5	55315	15	1	37	17.45	18.45	0.070
256QAM	3557.5	55315	15	1	74	15.06	16.06	0.040
256QAM	3557.5	55315	15	36	0	18.20	19.20	0.083
256QAM	3557.5	55315	15	36	29	16.49	17.49	0.056
256QAM	3557.5	55315	15	36	30	16.58	17.58	0.057
256QAM	3557.5	55315	15	75	0	17.44	18.44	0.070
256QAM	3625	55990	15	1	0	17.85	18.85	0.077
256QAM	3625	55990	15	1	37	15.95	16.95	0.050
256QAM	3625	55990	15	1	74	14.04	15.04	0.032
256QAM	3625	55990	15	36	0	16.66	17.66	0.058
256QAM	3625	55990	15	36	29	15.09	16.09	0.041
256QAM	3625	55990	15	36	30	14.99	15.99	0.040
256QAM	3625	55990	15	75	0	15.68	16.68	0.047
256QAM	3692.5	56665	15	1	0	16.79	17.79	0.060
256QAM	3692.5	56665	15	1	37	14.13	15.13	0.033
256QAM	3692.5	56665	15	1	74	13.72	14.72	0.030
256QAM	3692.5	56665	15	36	0	15.36	16.36	0.043
256QAM	3692.5	56665	15	36	29	13.85	14.85	0.031
256QAM	3692.5	56665	15	36	30	13.82	14.82	0.030
256QAM	3692.5	56665	15	75	0	14.61	15.61	0.036

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3560	55340	20	1	0	24.00	25.00	0.316
QPSK	3560	55340	20	1	49	21.22	22.22	0.167
QPSK	3560	55340	20	1	99	18.30	19.30	0.085
QPSK	3560	55340	20	50	0	21.89	22.89	0.195
QPSK	3560	55340	20	50	24	20.53	21.53	0.142
QPSK	3560	55340	20	50	50	18.80	19.80	0.095
QPSK	3560	55340	20	100	0	20.63	21.63	0.146
QPSK	3625	55990	20	1	0	22.86	23.86	0.243
QPSK	3625	55990	20	1	49	20.75	21.75	0.150
QPSK	3625	55990	20	1	99	18.20	19.20	0.083
QPSK	3625	55990	20	50	0	20.94	21.94	0.156
QPSK	3625	55990	20	50	24	19.81	20.81	0.121
QPSK	3625	55990	20	50	50	18.31	19.31	0.085
QPSK	3625	55990	20	100	0	19.88	20.88	0.122
QPSK	3690	56640	20	1	0	22.96	23.96	0.249
QPSK	3690	56640	20	1	49	20.59	21.59	0.144
QPSK	3690	56640	20	1	99	18.79	19.79	0.095
QPSK	3690	56640	20	50	0	20.77	21.77	0.150
QPSK	3690	56640	20	50	24	19.40	20.40	0.110
QPSK	3690	56640	20	50	50	18.02	19.02	0.080
QPSK	3690	56640	20	100	0	19.56	20.56	0.114

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3560	55340	20	1	0	23.18	24.18	0.262
16QAM	3560	55340	20	1	49	20.68	21.68	0.147
16QAM	3560	55340	20	1	99	17.80	18.80	0.076
16QAM	3560	55340	20	50	0	20.87	21.87	0.154
16QAM	3560	55340	20	50	24	19.52	20.52	0.113
16QAM	3560	55340	20	50	50	17.77	18.77	0.075
16QAM	3560	55340	20	100	0	19.49	20.49	0.112
16QAM	3625	55990	20	1	0	22.46	23.46	0.222
16QAM	3625	55990	20	1	49	19.86	20.86	0.122
16QAM	3625	55990	20	1	99	17.53	18.53	0.071
16QAM	3625	55990	20	50	0	19.95	20.95	0.124
16QAM	3625	55990	20	50	24	18.77	19.77	0.095
16QAM	3625	55990	20	50	50	17.39	18.39	0.069
16QAM	3625	55990	20	100	0	18.83	19.83	0.096
16QAM	3690	56640	20	1	0	22.16	23.16	0.207
16QAM	3690	56640	20	1	49	19.65	20.65	0.116
16QAM	3690	56640	20	1	99	17.45	18.45	0.070
16QAM	3690	56640	20	50	0	19.83	20.83	0.121
16QAM	3690	56640	20	50	24	18.37	19.37	0.086
16QAM	3690	56640	20	50	50	17.64	18.64	0.073
16QAM	3690	56640	20	100	0	18.64	19.64	0.092
64QAM	3560	55340	20	1	0	22.78	23.78	0.239
64QAM	3560	55340	20	1	49	20.36	21.36	0.137
64QAM	3560	55340	20	1	99	17.03	18.03	0.064
64QAM	3560	55340	20	50	0	20.84	21.84	0.153
64QAM	3560	55340	20	50	24	19.48	20.48	0.112
64QAM	3560	55340	20	50	50	17.84	18.84	0.077
64QAM	3560	55340	20	100	0	19.45	20.45	0.111
64QAM	3625	55990	20	1	0	22.43	23.43	0.220
64QAM	3625	55990	20	1	49	19.67	20.67	0.117
64QAM	3625	55990	20	1	99	17.17	18.17	0.066
64QAM	3625	55990	20	50	0	20.11	21.11	0.129
64QAM	3625	55990	20	50	24	18.76	19.76	0.095
64QAM	3625	55990	20	50	50	17.44	18.44	0.070
64QAM	3625	55990	20	100	0	18.79	19.79	0.095
64QAM	3690	56640	20	1	0	20.53	21.53	0.142
64QAM	3690	56640	20	1	49	17.22	18.22	0.066
64QAM	3690	56640	20	1	99	22.52	23.52	0.225
64QAM	3690	56640	20	50	0	18.01	19.01	0.080
64QAM	3690	56640	20	50	24	19.41	20.41	0.110
64QAM	3690	56640	20	50	50	20.77	21.77	0.150
64QAM	3690	56640	20	100	0	19.04	20.04	0.101
256QAM	3560	55340	20	1	0	19.15	20.15	0.104

256QAM	3560	55340	20	1	49	13.68	14.68	0.029
256QAM	3560	55340	20	1	99	13.32	14.32	0.027
256QAM	3560	55340	20	50	0	17.90	18.90	0.078
256QAM	3560	55340	20	50	24	16.46	17.46	0.056
256QAM	3560	55340	20	50	50	14.85	15.85	0.038
256QAM	3560	55340	20	100	0	16.54	17.54	0.057
256QAM	3625	55990	20	1	0	17.97	18.97	0.079
256QAM	3625	55990	20	1	49	15.87	16.87	0.049
256QAM	3625	55990	20	1	99	13.20	14.20	0.026
256QAM	3625	55990	20	50	0	17.06	18.06	0.064
256QAM	3625	55990	20	50	24	15.70	16.70	0.047
256QAM	3625	55990	20	50	50	14.36	15.36	0.034
256QAM	3625	55990	20	100	0	15.74	16.74	0.047
256QAM	3690	56640	20	1	0	14.29	15.29	0.034
256QAM	3690	56640	20	1	49	18.10	19.10	0.081
256QAM	3690	56640	20	1	99	20.30	21.30	0.135
256QAM	3690	56640	20	50	0	17.37	18.37	0.069
256QAM	3690	56640	20	50	24	18.56	19.56	0.090
256QAM	3690	56640	20	50	50	19.71	20.71	0.118
256QAM	3690	56640	20	100	0	18.61	19.61	0.091