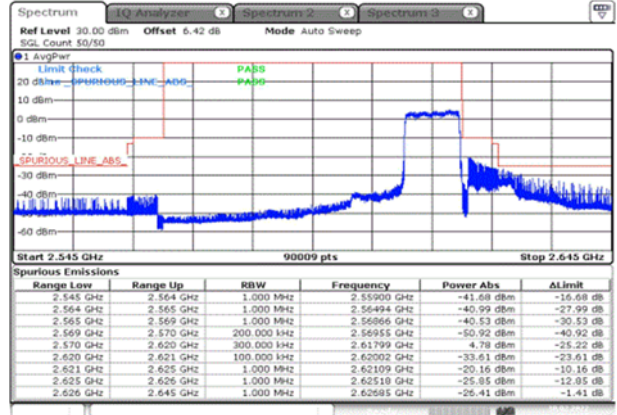


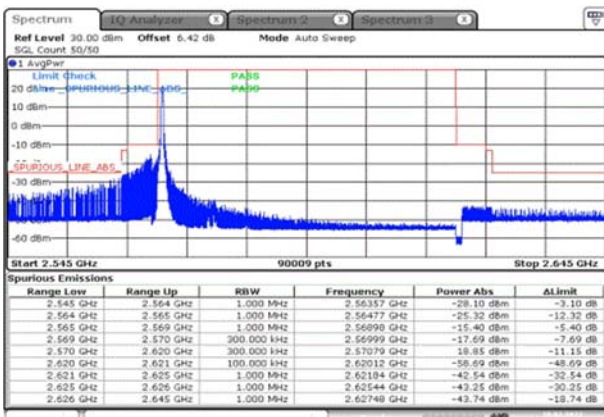
Date: 10.FEB.2022 19:12:31

Fig.7



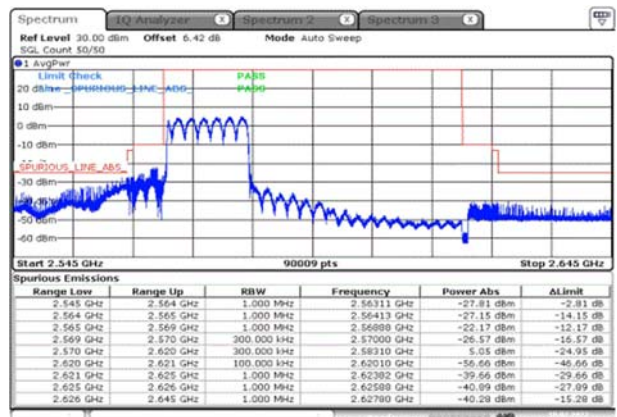
Date: 10.FEB.2022 19:12:55

Fig.8



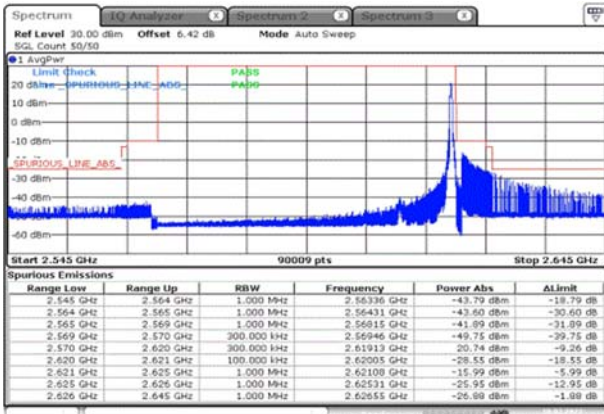
Date: 10.FEB.2022 19:18:29

Fig.9



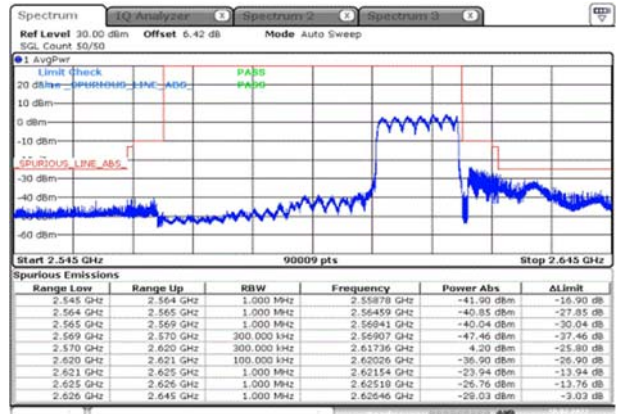
Date: 10.FEB.2022 19:18:54

Fig.10



Date: 10.FEB.2022 19:29:10

Fig.11



Date: 10.FEB.2022 19:29:34

Fig.12

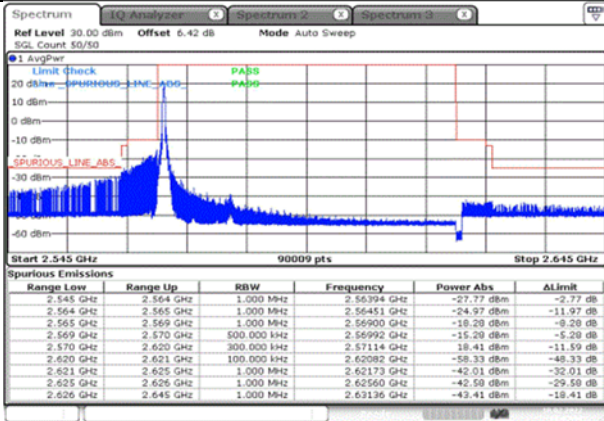


Fig.13

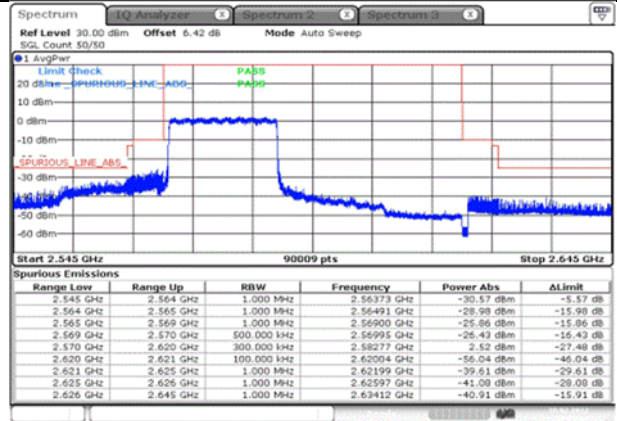


Fig.14

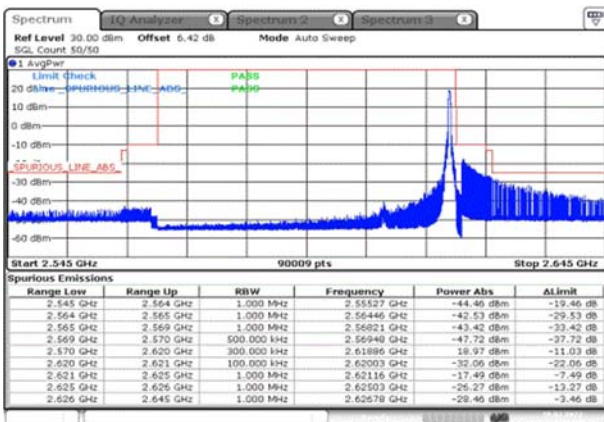


Fig.15

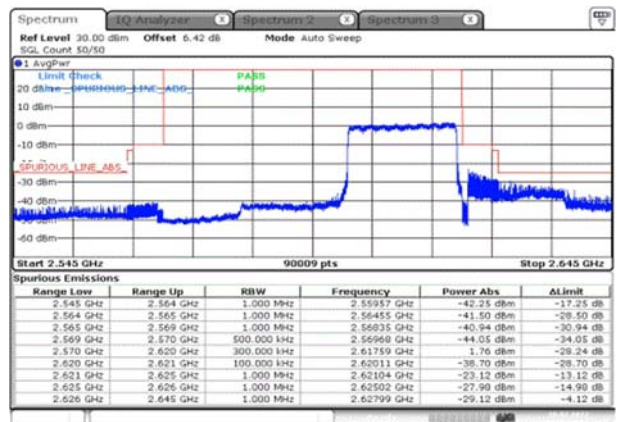


Fig.16

7 Frequency Stability

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

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

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	2572.5	37775	5	1	0	22.87	21.17	0.131
16QAM	2572.5	37775	5	1	12	22.94	21.24	0.133
16QAM	2572.5	37775	5	1	24	23.19	21.49	0.141
16QAM	2572.5	37775	5	12	0	21.50	19.80	0.095
16QAM	2572.5	37775	5	12	7	21.76	20.06	0.101
16QAM	2572.5	37775	5	12	13	21.68	19.98	0.100
16QAM	2572.5	37775	5	25	0	21.66	19.96	0.099
16QAM	2595	38000	5	1	0	22.86	21.16	0.131
16QAM	2595	38000	5	1	12	22.65	20.95	0.124
16QAM	2595	38000	5	1	24	22.58	20.88	0.122
16QAM	2595	38000	5	12	0	21.70	20.00	0.100
16QAM	2595	38000	5	12	7	21.42	19.72	0.094
16QAM	2595	38000	5	12	13	21.34	19.64	0.092
16QAM	2595	38000	5	25	0	21.28	19.58	0.000
16QAM	2617.5	38225	5	1	0	22.57	20.87	0.122
16QAM	2617.5	38225	5	1	12	22.37	20.67	0.117
16QAM	2617.5	38225	5	1	24	22.90	21.20	0.132
16QAM	2617.5	38225	5	12	0	21.39	19.69	0.093
16QAM	2617.5	38225	5	12	7	21.55	19.85	0.097
16QAM	2617.5	38225	5	12	13	21.54	19.84	0.096
16QAM	2617.5	38225	5	25	0	21.49	19.79	0.095
64QAM	2572.5	37775	5	1	0	21.80	20.10	0.102
64QAM	2572.5	37775	5	1	12	21.93	20.23	0.105
64QAM	2572.5	37775	5	1	24	22.19	20.49	0.112
64QAM	2572.5	37775	5	12	0	20.49	18.79	0.076
64QAM	2572.5	37775	5	12	7	20.67	18.97	0.079
64QAM	2572.5	37775	5	12	13	20.71	19.01	0.080
64QAM	2572.5	37775	5	25	0	20.50	18.80	0.076
64QAM	2595	38000	5	1	0	21.99	20.29	0.107
64QAM	2595	38000	5	1	12	22.03	20.33	0.108
64QAM	2595	38000	5	1	24	21.78	20.08	0.102
64QAM	2595	38000	5	12	0	20.61	18.91	0.078
64QAM	2595	38000	5	12	7	20.55	18.85	0.077
64QAM	2595	38000	5	12	13	20.37	18.67	0.074
64QAM	2595	38000	5	25	0	20.28	18.58	0.072
64QAM	2617.5	38225	5	1	0	21.52	19.82	0.096
64QAM	2617.5	38225	5	1	12	21.62	19.92	0.098
64QAM	2617.5	38225	5	1	24	21.54	19.84	0.096
64QAM	2617.5	38225	5	12	0	20.36	18.66	0.073
64QAM	2617.5	38225	5	12	7	20.49	18.79	0.076
64QAM	2617.5	38225	5	12	13	20.58	18.88	0.077
64QAM	2617.5	38225	5	25	0	20.49	18.79	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2572.5	37775	5	1	0	23.31	21.61	0.145
QPSK	2572.5	37775	5	1	12	23.50	21.80	0.151
QPSK	2572.5	37775	5	1	24	23.76	22.06	0.161
QPSK	2572.5	37775	5	12	0	22.46	20.76	0.119
QPSK	2572.5	37775	5	12	7	22.55	20.85	0.122
QPSK	2572.5	37775	5	12	13	22.65	20.95	0.124
QPSK	2572.5	37775	5	25	0	22.49	20.79	0.120
QPSK	2595	38000	5	1	0	23.62	21.92	0.156
QPSK	2595	38000	5	1	12	23.52	21.82	0.152
QPSK	2595	38000	5	1	24	23.15	21.45	0.140
QPSK	2595	38000	5	12	0	22.59	20.89	0.123
QPSK	2595	38000	5	12	7	22.42	20.72	0.118
QPSK	2595	38000	5	12	13	22.32	20.62	0.115
QPSK	2595	38000	5	25	0	22.34	20.64	0.116
QPSK	2617.5	38225	5	1	0	23.21	21.51	0.142
QPSK	2617.5	38225	5	1	12	23.61	21.91	0.155
QPSK	2617.5	38225	5	1	24	23.66	21.96	0.157
QPSK	2617.5	38225	5	12	0	22.36	20.66	0.116
QPSK	2617.5	38225	5	12	7	22.45	20.75	0.119
QPSK	2617.5	38225	5	12	13	22.45	20.75	0.119
QPSK	2617.5	38225	5	25	0	22.46	20.76	0.119

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.60	20.90	0.123
16QAM	2575	37800	10	1	25	23.06	21.36	0.137
16QAM	2575	37800	10	1	49	23.52	21.82	0.152
16QAM	2575	37800	10	25	0	21.66	19.96	0.099
16QAM	2575	37800	10	25	12	21.77	20.07	0.102
16QAM	2575	37800	10	25	25	21.98	20.28	0.107
16QAM	2575	37800	10	50	0	21.77	20.07	0.102
16QAM	2595	38000	10	1	0	23.19	21.49	0.141
16QAM	2595	38000	10	1	25	22.68	20.98	0.125
16QAM	2595	38000	10	1	49	22.53	20.83	0.121
16QAM	2595	38000	10	25	0	21.64	19.94	0.099
16QAM	2595	38000	10	25	12	21.41	19.71	0.094
16QAM	2595	38000	10	25	25	21.21	19.51	0.089
16QAM	2595	38000	10	50	0	21.45	19.75	0.094
16QAM	2615	38200	10	1	0	22.23	20.53	0.113
16QAM	2615	38200	10	1	25	22.52	20.82	0.121
16QAM	2615	38200	10	1	49	22.80	21.10	0.129
16QAM	2615	38200	10	25	0	21.14	19.44	0.088
16QAM	2615	38200	10	25	12	21.28	19.58	0.091
16QAM	2615	38200	10	25	25	21.44	19.74	0.094
16QAM	2615	38200	10	50	0	21.28	19.58	0.091
64QAM	2575	37800	10	1	0	22.00	20.30	0.107
64QAM	2575	37800	10	1	25	22.13	20.43	0.110
64QAM	2575	37800	10	1	49	22.59	20.89	0.123
64QAM	2575	37800	10	25	0	20.55	18.85	0.077
64QAM	2575	37800	10	25	12	20.79	19.09	0.081
64QAM	2575	37800	10	25	25	20.88	19.18	0.083
64QAM	2575	37800	10	50	0	20.83	19.13	0.082
64QAM	2595	38000	10	1	0	22.05	20.35	0.108
64QAM	2595	38000	10	1	25	21.31	19.61	0.091
64QAM	2595	38000	10	1	49	21.36	19.66	0.092
64QAM	2595	38000	10	25	0	20.64	18.94	0.078
64QAM	2595	38000	10	25	12	20.43	18.73	0.075
64QAM	2595	38000	10	25	25	20.25	18.55	0.072
64QAM	2595	38000	10	50	0	20.43	18.73	0.075
64QAM	2615	38200	10	1	0	20.80	19.10	0.081
64QAM	2615	38200	10	1	25	20.98	19.28	0.085
64QAM	2615	38200	10	1	49	21.41	19.71	0.094
64QAM	2615	38200	10	25	0	20.16	18.46	0.070
64QAM	2615	38200	10	25	12	20.26	18.56	0.072
64QAM	2615	38200	10	25	25	20.35	18.65	0.073
64QAM	2615	38200	10	50	0	20.26	18.56	0.072

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	23.33	21.63	0.146
QPSK	2575	37800	10	1	25	23.58	21.88	0.154
QPSK	2575	37800	10	1	49	23.97	22.27	0.169
QPSK	2575	37800	10	25	0	22.56	20.86	0.122
QPSK	2575	37800	10	25	12	22.76	21.06	0.128
QPSK	2575	37800	10	25	25	22.84	21.14	0.130
QPSK	2575	37800	10	50	0	22.72	21.02	0.126
QPSK	2595	38000	10	1	0	23.68	21.98	0.158
QPSK	2595	38000	10	1	25	23.37	21.67	0.147
QPSK	2595	38000	10	1	49	23.02	21.32	0.136
QPSK	2595	38000	10	25	0	22.61	20.91	0.123
QPSK	2595	38000	10	25	12	22.49	20.79	0.120
QPSK	2595	38000	10	25	25	22.26	20.56	0.114
QPSK	2595	38000	10	50	0	22.45	20.75	0.119
QPSK	2615	38200	10	1	0	23.04	21.34	0.136
QPSK	2615	38200	10	1	25	23.31	21.61	0.145
QPSK	2615	38200	10	1	49	23.53	21.83	0.152
QPSK	2615	38200	10	25	0	22.20	20.50	0.112
QPSK	2615	38200	10	25	12	22.33	20.63	0.116
QPSK	2615	38200	10	25	25	22.46	20.76	0.119
QPSK	2615	38200	10	50	0	22.29	20.59	0.115

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2577.5	37825	15	1	0	22.44	20.74	0.119
16QAM	2577.5	37825	15	1	37	22.88	21.18	0.131
16QAM	2577.5	37825	15	1	74	23.11	21.41	0.138
16QAM	2577.5	37825	15	36	0	21.50	19.80	0.000
16QAM	2577.5	37825	15	36	29	21.90	20.20	0.105
16QAM	2577.5	37825	15	36	30	21.87	20.17	0.104
16QAM	2577.5	37825	15	75	0	21.71	20.01	0.100
16QAM	2595	38000	15	1	0	23.01	21.31	0.135
16QAM	2595	38000	15	1	37	22.55	20.85	0.122
16QAM	2595	38000	15	1	74	22.15	20.45	0.111
16QAM	2595	38000	15	36	0	21.64	19.94	0.099
16QAM	2595	38000	15	36	29	21.21	19.51	0.089
16QAM	2595	38000	15	36	30	21.19	19.49	0.089
16QAM	2595	38000	15	75	0	21.32	19.62	0.092
16QAM	2612.5	38175	15	1	0	22.01	20.31	0.107
16QAM	2612.5	38175	15	1	37	22.13	20.43	0.110
16QAM	2612.5	38175	15	1	74	22.52	20.82	0.121
16QAM	2612.5	38175	15	36	0	20.92	19.22	0.084
16QAM	2612.5	38175	15	36	29	21.02	19.32	0.086
16QAM	2612.5	38175	15	36	30	21.12	19.42	0.087
16QAM	2612.5	38175	15	75	0	21.07	19.37	0.086
64QAM	2577.5	37825	15	1	0	21.69	19.99	0.100
64QAM	2577.5	37825	15	1	37	22.17	20.47	0.111
64QAM	2577.5	37825	15	1	74	22.43	20.73	0.118
64QAM	2577.5	37825	15	36	0	20.48	18.78	0.076
64QAM	2577.5	37825	15	36	29	20.86	19.16	0.082
64QAM	2577.5	37825	15	36	30	20.92	19.22	0.084
64QAM	2577.5	37825	15	75	0	20.78	19.08	0.081
64QAM	2595	38000	15	1	0	21.77	20.07	0.102
64QAM	2595	38000	15	1	37	21.23	19.53	0.090
64QAM	2595	38000	15	1	74	20.80	19.10	0.081
64QAM	2595	38000	15	36	0	20.70	19.00	0.079
64QAM	2595	38000	15	36	29	20.21	18.51	0.071
64QAM	2595	38000	15	36	30	20.18	18.48	0.070
64QAM	2595	38000	15	75	0	20.36	18.66	0.073
64QAM	2612.5	38175	15	1	0	21.12	19.42	0.087
64QAM	2612.5	38175	15	1	37	21.19	19.49	0.089
64QAM	2612.5	38175	15	1	74	21.50	19.80	0.095
64QAM	2612.5	38175	15	36	0	19.98	18.28	0.067
64QAM	2612.5	38175	15	36	29	20.19	18.49	0.071
64QAM	2612.5	38175	15	36	30	20.12	18.42	0.070
64QAM	2612.5	38175	15	75	0	20.13	18.43	0.070

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2577.5	37825	15	1	0	23.21	21.51	0.142
QPSK	2577.5	37825	15	1	37	23.50	21.80	0.151
QPSK	2577.5	37825	15	1	74	23.82	22.12	0.163
QPSK	2577.5	37825	15	36	0	22.53	20.83	0.121
QPSK	2577.5	37825	15	36	29	22.83	21.13	0.130
QPSK	2577.5	37825	15	36	30	22.81	21.11	0.129
QPSK	2577.5	37825	15	75	0	22.71	21.01	0.126
QPSK	2595	38000	15	1	0	23.61	21.91	0.155
QPSK	2595	38000	15	1	37	23.09	21.39	0.138
QPSK	2595	38000	15	1	74	22.66	20.96	0.125
QPSK	2595	38000	15	36	0	22.61	20.91	0.123
QPSK	2595	38000	15	36	29	22.12	20.42	0.110
QPSK	2595	38000	15	36	30	22.22	20.52	0.113
QPSK	2595	38000	15	75	0	22.31	20.61	0.115
QPSK	2612.5	38175	15	1	0	22.73	21.03	0.127
QPSK	2612.5	38175	15	1	37	22.87	21.17	0.131
QPSK	2612.5	38175	15	1	74	23.23	21.53	0.142
QPSK	2612.5	38175	15	36	0	21.86	20.16	0.104
QPSK	2612.5	38175	15	36	29	22.07	20.37	0.109
QPSK	2612.5	38175	15	36	30	22.15	20.45	0.111
QPSK	2612.5	38175	15	75	0	22.10	20.40	0.110

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2580	37850	20	1	0	22.46	20.76	0.119
16QAM	2580	37850	20	1	49	23.00	21.30	0.135
16QAM	2580	37850	20	1	99	22.90	21.20	0.132
16QAM	2580	37850	20	50	0	21.63	19.93	0.098
16QAM	2580	37850	20	50	24	21.86	20.16	0.104
16QAM	2580	37850	20	50	50	21.97	20.27	0.106
16QAM	2580	37850	20	100	0	21.82	20.12	0.103
16QAM	2595	38000	20	1	0	23.04	21.34	0.136
16QAM	2595	38000	20	1	49	22.60	20.90	0.123
16QAM	2595	38000	20	1	99	22.14	20.44	0.111
16QAM	2595	38000	20	50	0	21.72	20.02	0.100
16QAM	2595	38000	20	50	24	21.42	19.72	0.094
16QAM	2595	38000	20	50	50	21.12	19.42	0.087
16QAM	2595	38000	20	100	0	21.35	19.65	0.092
16QAM	2610	38150	20	1	0	21.62	19.92	0.098
16QAM	2610	38150	20	1	49	21.68	19.98	0.100
16QAM	2610	38150	20	1	99	22.36	20.66	0.116
16QAM	2610	38150	20	50	0	20.96	19.26	0.084
16QAM	2610	38150	20	50	24	21.03	19.33	0.086
16QAM	2610	38150	20	50	50	21.18	19.48	0.089
16QAM	2610	38150	20	100	0	21.08	19.38	0.087
64QAM	2580	37850	20	1	0	21.28	19.58	0.091
64QAM	2580	37850	20	1	49	21.81	20.11	0.103
64QAM	2580	37850	20	1	99	21.79	20.09	0.102
64QAM	2580	37850	20	50	0	20.65	18.95	0.079
64QAM	2580	37850	20	50	24	20.90	19.20	0.083
64QAM	2580	37850	20	50	50	20.97	19.27	0.085
64QAM	2580	37850	20	100	0	20.84	19.14	0.082
64QAM	2595	38000	20	1	0	21.84	20.14	0.103
64QAM	2595	38000	20	1	49	21.27	19.57	0.091
64QAM	2595	38000	20	1	99	20.76	19.06	0.081
64QAM	2595	38000	20	50	0	20.70	19.00	0.079
64QAM	2595	38000	20	50	24	20.35	18.65	0.073
64QAM	2595	38000	20	50	50	20.09	18.39	0.069
64QAM	2595	38000	20	100	0	20.39	18.69	0.074
64QAM	2610	38150	20	1	0	21.10	19.40	0.087
64QAM	2610	38150	20	1	49	21.19	19.49	0.089
64QAM	2610	38150	20	1	99	21.64	19.94	0.099
64QAM	2610	38150	20	50	0	19.87	18.17	0.066
64QAM	2610	38150	20	50	24	20.12	18.42	0.070
64QAM	2610	38150	20	50	50	20.29	18.59	0.072
64QAM	2610	38150	20	100	0	20.19	18.49	0.071

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	23.14	21.44	0.139
QPSK	2580	37850	20	1	49	23.66	21.96	0.157
QPSK	2580	37850	20	1	99	23.77	22.07	0.161
QPSK	2580	37850	20	50	0	22.64	20.94	0.124
QPSK	2580	37850	20	50	24	22.89	21.19	0.132
QPSK	2580	37850	20	50	50	22.98	21.28	0.134
QPSK	2580	37850	20	100	0	22.79	21.09	0.129
QPSK	2595	38000	20	1	0	23.68	21.98	0.158
QPSK	2595	38000	20	1	49	23.17	21.47	0.140
QPSK	2595	38000	20	1	99	22.79	21.09	0.129
QPSK	2595	38000	20	50	0	22.72	21.02	0.126
QPSK	2595	38000	20	50	24	22.32	20.62	0.115
QPSK	2595	38000	20	50	50	22.09	20.39	0.109
QPSK	2595	38000	20	100	0	22.37	20.67	0.117
QPSK	2610	38150	20	1	0	22.70	21.00	0.126
QPSK	2610	38150	20	1	49	22.70	21.00	0.126
QPSK	2610	38150	20	1	99	23.24	21.54	0.143
QPSK	2610	38150	20	50	0	21.87	20.17	0.104
QPSK	2610	38150	20	50	24	21.98	20.28	0.107
QPSK	2610	38150	20	50	50	22.05	20.35	0.108
QPSK	2610	38150	20	100	0	22.02	20.32	0.108