

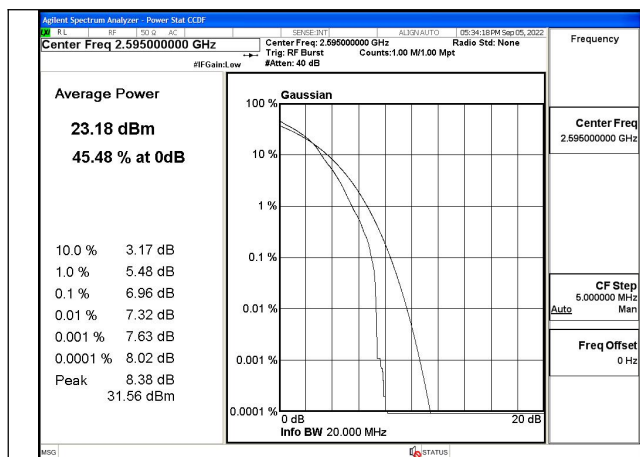


Fig.61

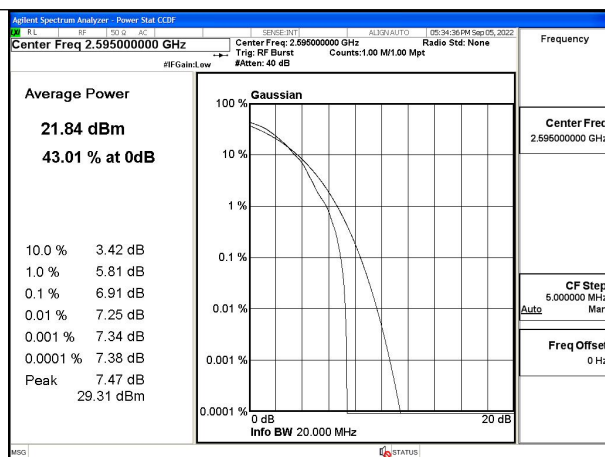


Fig.62

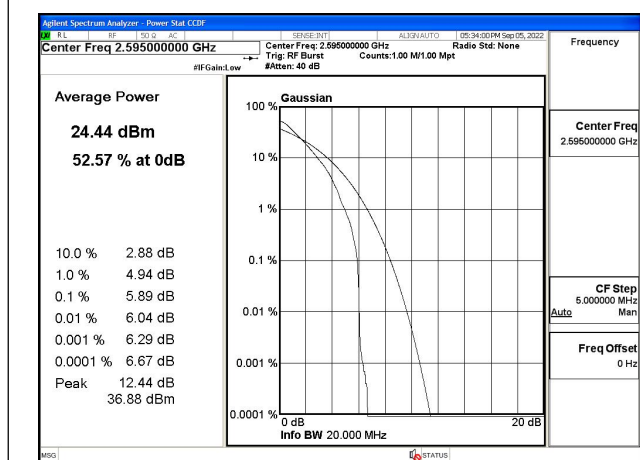


Fig.63

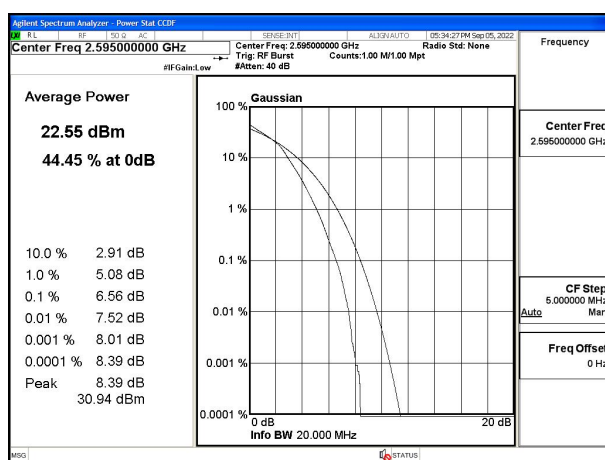


Fig.64

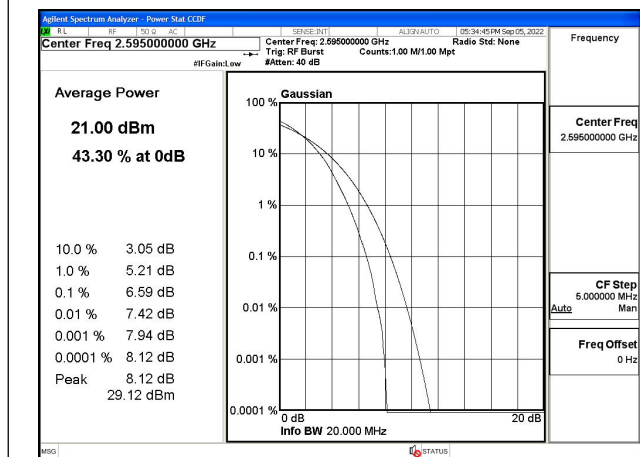


Fig.65

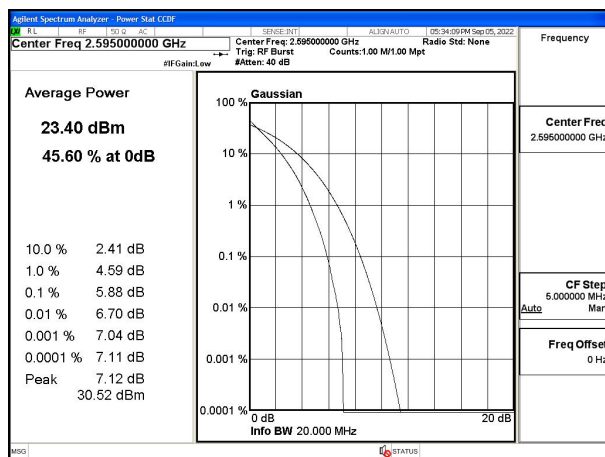


Fig.66

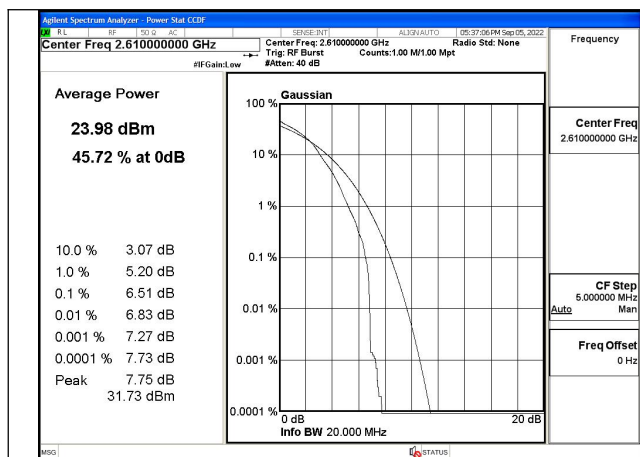


Fig.67

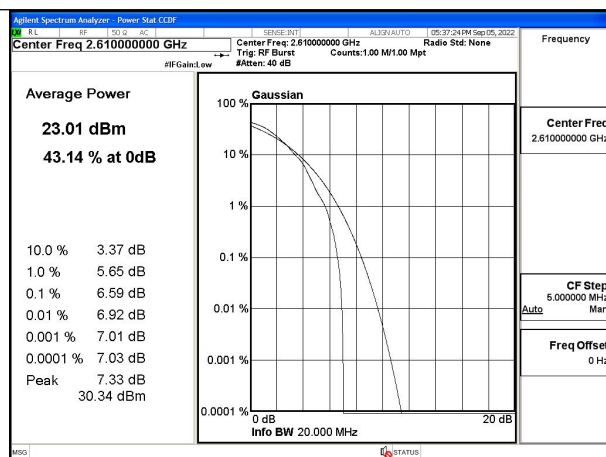


Fig.68

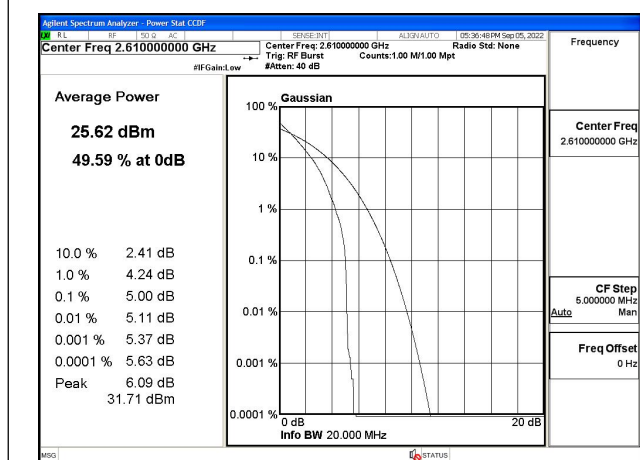


Fig.69

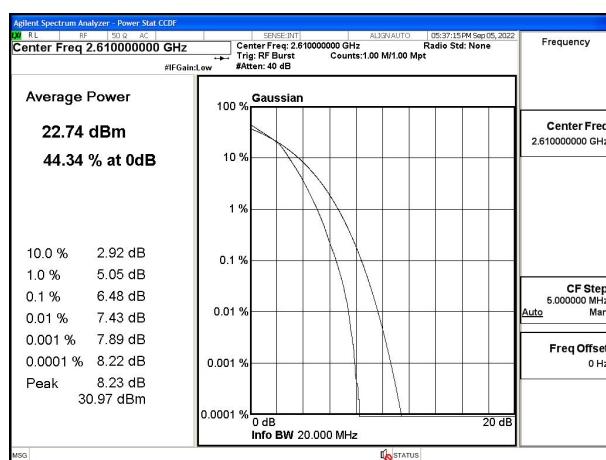


Fig.70

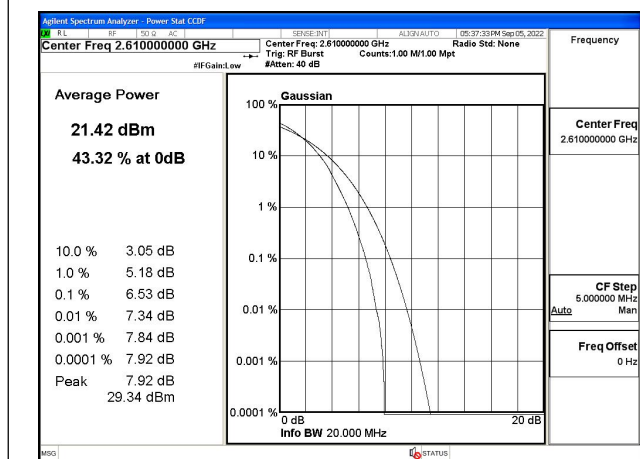


Fig.71

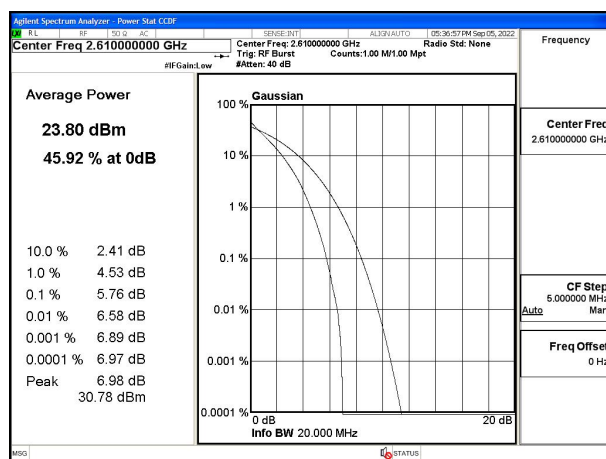


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
38	2580	37850	20	1	0	Fig.1
38	2595	38000	20	1	0	Fig.2
38	2610	38150	20	1	0	Fig.3

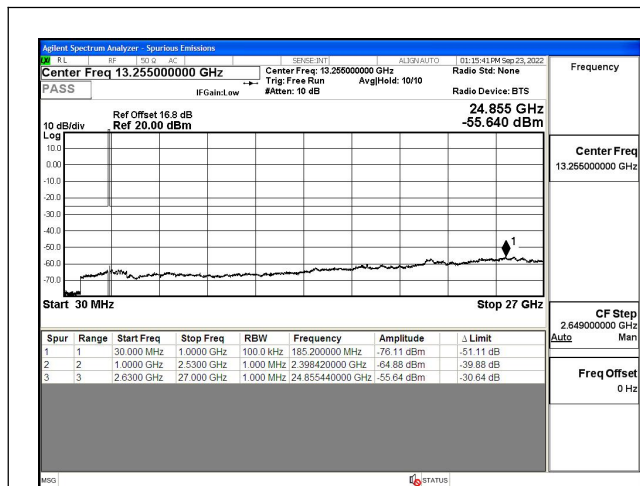


Fig.1

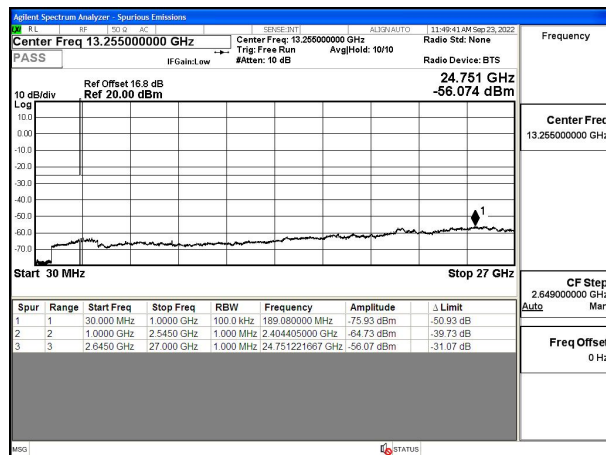


Fig.2

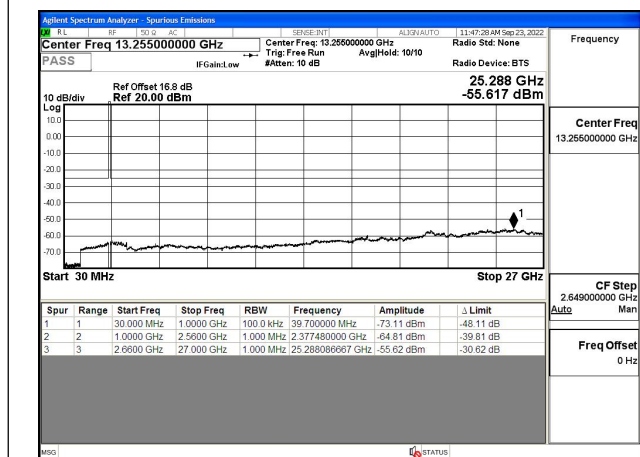


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
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

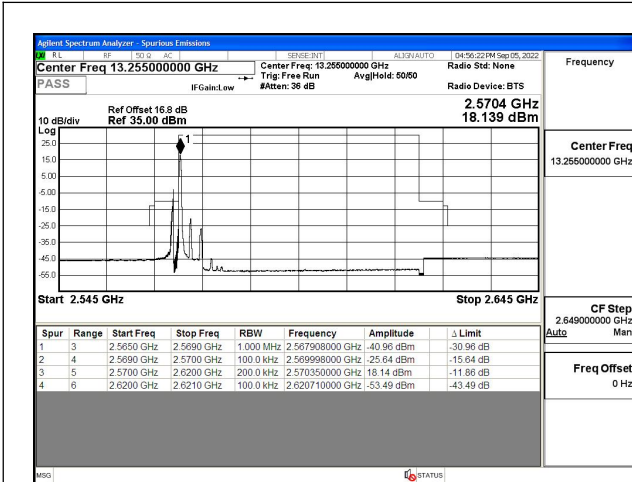


Fig.1

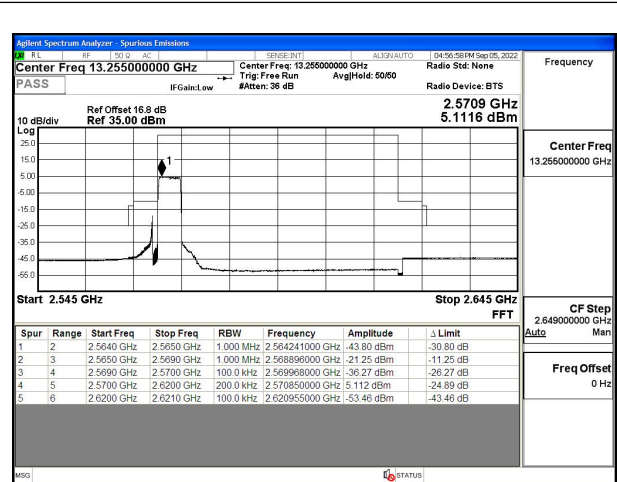


Fig.2

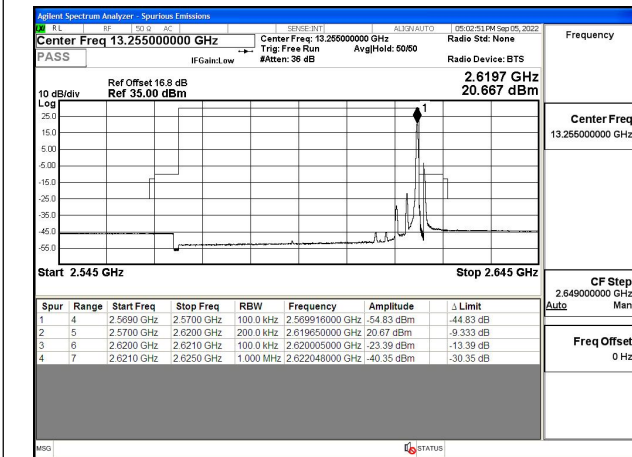


Fig.3

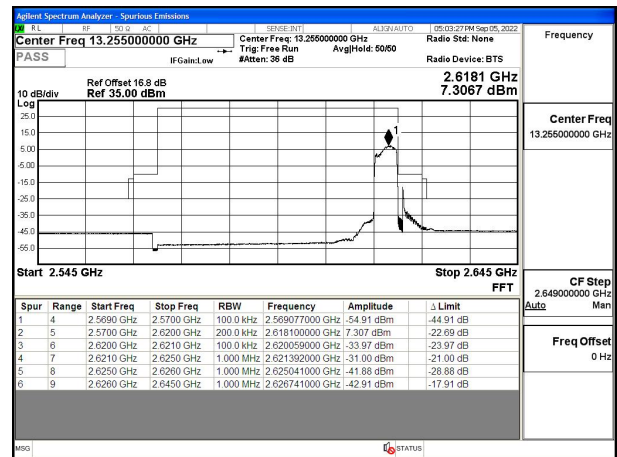


Fig.4

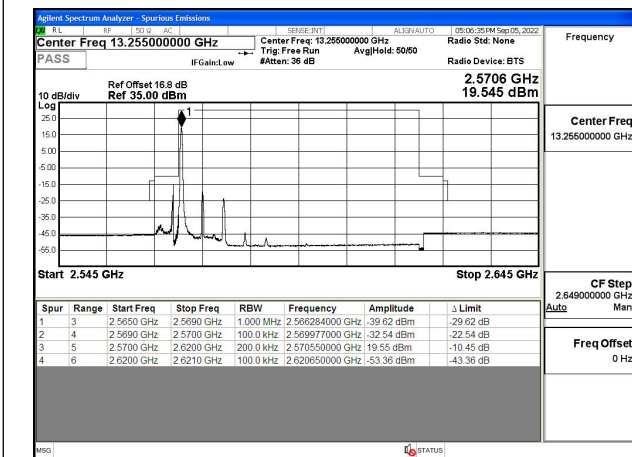


Fig.5

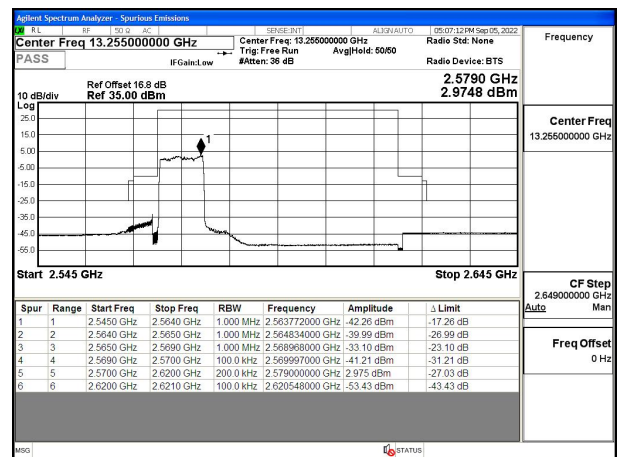


Fig.6

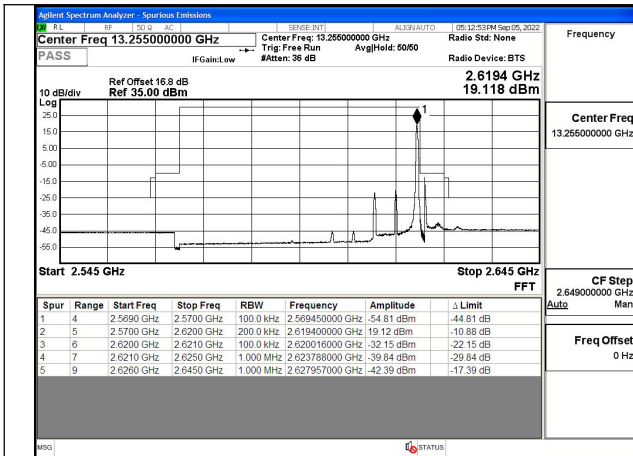


Fig.7

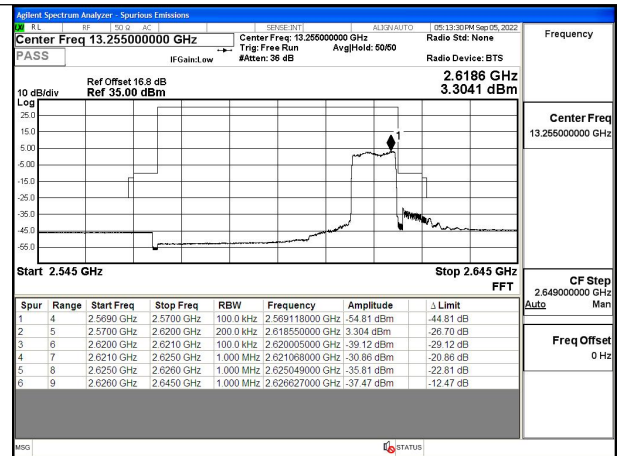


Fig.8

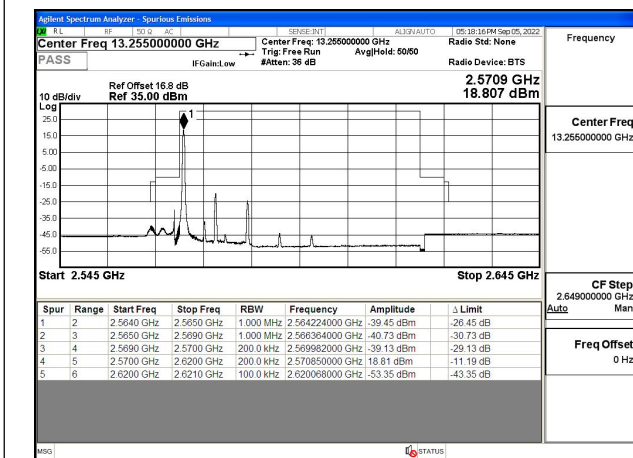


Fig.9

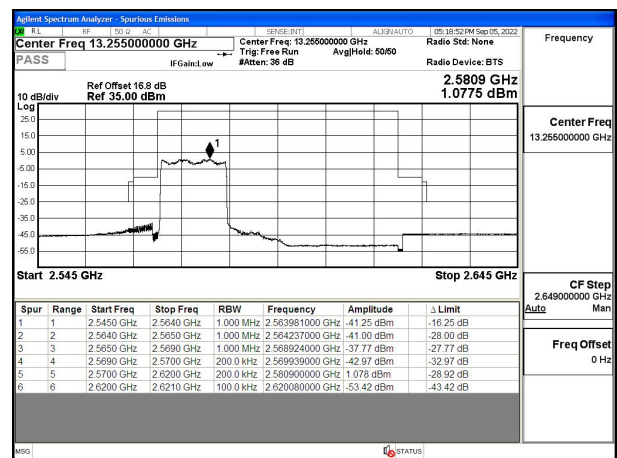


Fig.10

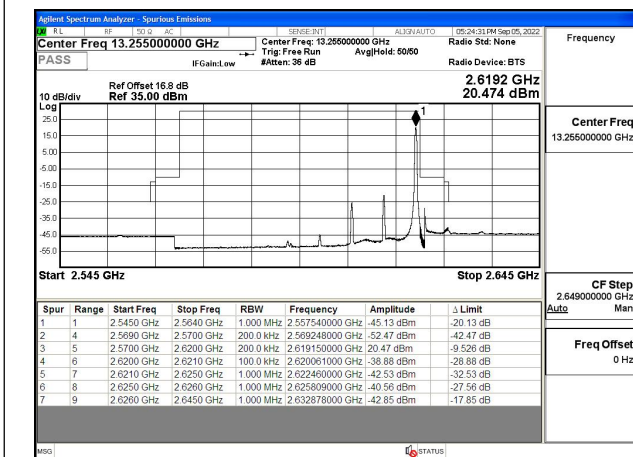


Fig.11

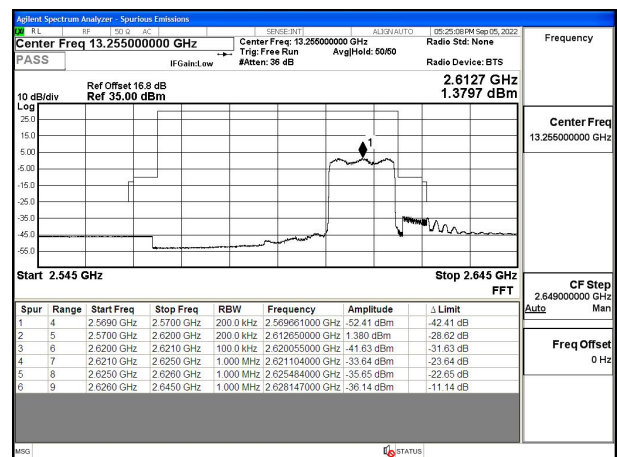


Fig.12

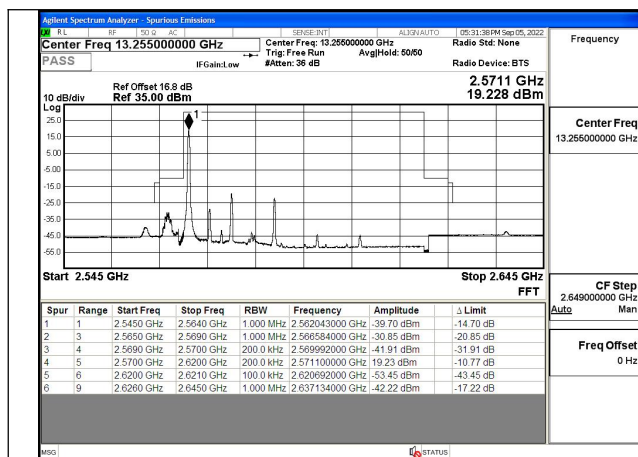


Fig.13

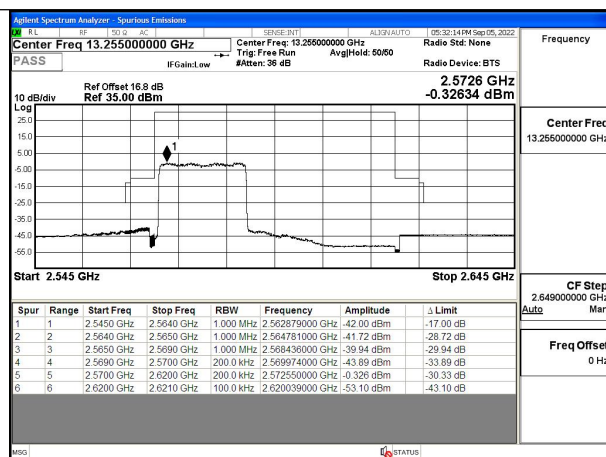


Fig.14

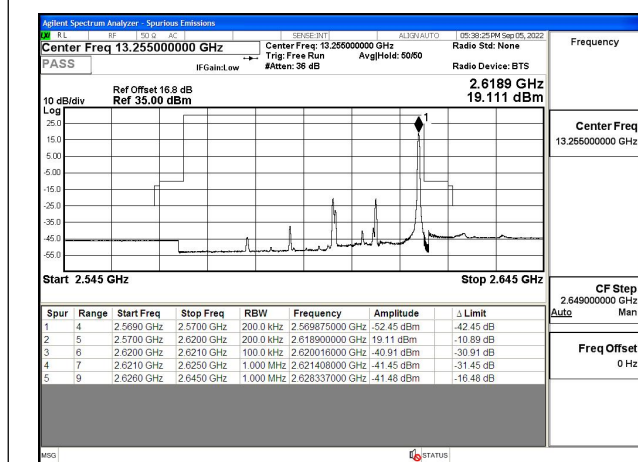


Fig.15

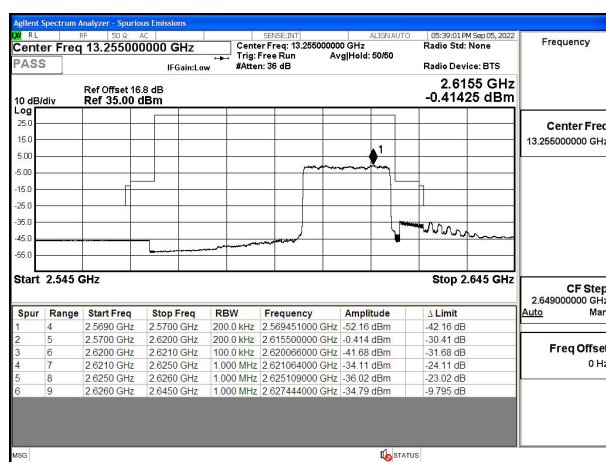


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.001	0.004	0.005	-0.005
0	NV	-0.002	-0.007	-0.010	0.013
+10	NV	0.002	-0.003	-0.006	-0.008
+20	NV	-0.002	0.007	0.014	0.007
+30	NV	-0.011	0.015	-0.003	-0.028
+40	NV	0.008	0.007	-0.009	0.009
+50	NV	0.002	-0.015	0.012	-0.004
+55	NV	0.003	-0.015	0.017	0.005
+20	LV	0.005	-0.014	0.013	-0.005
+20	HV	-0.003	-0.014	-0.003	-0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.003	0.006	-0.004	-0.005
0	NV	0.004	-0.011	0.024	0.009
+10	NV	-0.001	0.004	0.016	-0.005
+20	NV	-0.006	-0.015	0.005	-0.001
+30	NV	-0.020	0.011	0.007	-0.001
+40	NV	0.006	0.006	0.006	-0.010
+50	NV	0.002	0.010	-0.005	0.008
+55	NV	-0.007	0.017	0.007	-0.008
+20	LV	-0.017	0.005	-0.007	-0.005
+20	HV	-0.010	0.005	0.015	-0.012

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	25.74	24.54	0.284
QPSK	2572.5	37775	5	1	12	24.79	23.59	0.229
QPSK	2572.5	37775	5	1	24	24.71	23.51	0.224
QPSK	2572.5	37775	5	12	0	23.81	22.61	0.182
QPSK	2572.5	37775	5	12	7	23.97	22.77	0.189
QPSK	2572.5	37775	5	12	13	23.95	22.75	0.188
QPSK	2572.5	37775	5	25	0	23.94	22.74	0.188
QPSK	2595	38000	5	1	0	25.53	24.33	0.271
QPSK	2595	38000	5	1	12	25.34	24.14	0.259
QPSK	2595	38000	5	1	24	25.31	24.11	0.258
QPSK	2595	38000	5	12	0	23.81	22.61	0.182
QPSK	2595	38000	5	12	7	23.91	22.71	0.187
QPSK	2595	38000	5	12	13	23.85	22.65	0.184
QPSK	2595	38000	5	25	0	23.92	22.72	0.187
QPSK	2617.5	38225	5	1	0	25.13	23.93	0.247
QPSK	2617.5	38225	5	1	12	25.07	23.87	0.244
QPSK	2617.5	38225	5	1	24	25.19	23.99	0.251
QPSK	2617.5	38225	5	12	0	23.78	22.58	0.181
QPSK	2617.5	38225	5	12	7	23.91	22.71	0.187
QPSK	2617.5	38225	5	12	13	23.88	22.68	0.185
QPSK	2617.5	38225	5	25	0	23.78	22.58	0.181

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	23.42	22.22	0.167
16QAM	2572.5	37775	5	1	12	23.35	22.15	0.164
16QAM	2572.5	37775	5	1	24	23.37	22.17	0.165
16QAM	2572.5	37775	5	12	0	22.94	21.74	0.149
16QAM	2572.5	37775	5	12	7	22.97	21.77	0.150
16QAM	2572.5	37775	5	12	13	22.93	21.73	0.149
16QAM	2572.5	37775	5	25	0	23.05	21.85	0.153
16QAM	2595	38000	5	1	0	23.89	22.69	0.186
16QAM	2595	38000	5	1	12	23.96	22.76	0.189
16QAM	2595	38000	5	1	24	23.90	22.70	0.186
16QAM	2595	38000	5	12	0	22.99	21.79	0.151
16QAM	2595	38000	5	12	7	23.09	21.89	0.155
16QAM	2595	38000	5	12	13	23.07	21.87	0.154
16QAM	2595	38000	5	25	0	23.14	21.94	0.156
16QAM	2617.5	38225	5	1	0	23.48	22.28	0.169
16QAM	2617.5	38225	5	1	12	23.31	22.11	0.163
16QAM	2617.5	38225	5	1	24	23.39	22.19	0.166
16QAM	2617.5	38225	5	12	0	22.75	21.55	0.143
16QAM	2617.5	38225	5	12	7	22.88	21.68	0.147
16QAM	2617.5	38225	5	12	13	22.85	21.65	0.146
16QAM	2617.5	38225	5	25	0	22.95	21.75	0.150
64QAM	2572.5	37775	5	1	0	22.62	21.42	0.139
64QAM	2572.5	37775	5	1	12	22.52	21.32	0.136
64QAM	2572.5	37775	5	1	24	21.94	20.74	0.119
64QAM	2572.5	37775	5	12	0	21.65	20.45	0.111
64QAM	2572.5	37775	5	12	7	21.69	20.49	0.112
64QAM	2572.5	37775	5	12	13	21.66	20.46	0.111
64QAM	2572.5	37775	5	25	0	21.83	20.63	0.116
64QAM	2595	38000	5	1	0	22.65	21.45	0.140
64QAM	2595	38000	5	1	12	23.08	21.88	0.154
64QAM	2595	38000	5	1	24	22.48	21.28	0.134
64QAM	2595	38000	5	12	0	21.42	20.22	0.105
64QAM	2595	38000	5	12	7	21.37	20.17	0.104
64QAM	2595	38000	5	12	13	21.36	20.16	0.104
64QAM	2595	38000	5	25	0	21.66	20.46	0.111
64QAM	2617.5	38225	5	1	0	22.20	21.00	0.126
64QAM	2617.5	38225	5	1	12	22.25	21.05	0.127
64QAM	2617.5	38225	5	1	24	22.26	21.06	0.128
64QAM	2617.5	38225	5	12	0	21.44	20.24	0.106
64QAM	2617.5	38225	5	12	7	21.73	20.53	0.113
64QAM	2617.5	38225	5	12	13	21.69	20.49	0.112
64QAM	2617.5	38225	5	25	0	21.75	20.55	0.114

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	25.23	24.03	0.253
QPSK	2575	37800	10	1	25	25.34	24.14	0.259
QPSK	2575	37800	10	1	49	25.34	24.14	0.259
QPSK	2575	37800	10	25	0	23.99	22.79	0.190
QPSK	2575	37800	10	25	12	23.91	22.71	0.187
QPSK	2575	37800	10	25	25	23.88	22.68	0.185
QPSK	2575	37800	10	50	0	23.46	22.26	0.168
QPSK	2595	38000	10	1	0	25.14	23.94	0.248
QPSK	2595	38000	10	1	25	25.26	24.06	0.255
QPSK	2595	38000	10	1	49	25.18	23.98	0.250
QPSK	2595	38000	10	25	0	23.95	22.75	0.188
QPSK	2595	38000	10	25	12	23.96	22.76	0.189
QPSK	2595	38000	10	25	25	23.91	22.71	0.187
QPSK	2595	38000	10	50	0	23.66	22.46	0.176
QPSK	2615	38200	10	1	0	24.99	23.79	0.239
QPSK	2615	38200	10	1	25	24.98	23.78	0.239
QPSK	2615	38200	10	1	49	25.16	23.96	0.249
QPSK	2615	38200	10	25	0	23.78	22.58	0.181
QPSK	2615	38200	10	25	12	23.81	22.61	0.182
QPSK	2615	38200	10	25	25	23.79	22.59	0.182
QPSK	2615	38200	10	50	0	23.52	22.32	0.171

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	23.45	22.25	0.168
16QAM	2575	37800	10	1	25	23.44	22.24	0.167
16QAM	2575	37800	10	1	49	23.48	22.28	0.169
16QAM	2575	37800	10	25	0	23.01	21.81	0.152
16QAM	2575	37800	10	25	12	23.01	21.81	0.152
16QAM	2575	37800	10	25	25	22.96	21.76	0.150
16QAM	2575	37800	10	50	0	22.56	21.36	0.137
16QAM	2595	38000	10	1	0	23.92	22.72	0.187
16QAM	2595	38000	10	1	25	23.92	22.72	0.187
16QAM	2595	38000	10	1	49	23.88	22.68	0.185
16QAM	2595	38000	10	25	0	23.22	22.02	0.159
16QAM	2595	38000	10	25	12	23.22	22.02	0.159
16QAM	2595	38000	10	25	25	23.10	21.90	0.155
16QAM	2595	38000	10	50	0	22.58	21.38	0.137
16QAM	2615	38200	10	1	0	23.34	22.14	0.164
16QAM	2615	38200	10	1	25	23.44	22.24	0.167
16QAM	2615	38200	10	1	49	23.44	22.24	0.167
16QAM	2615	38200	10	25	0	22.99	21.79	0.151
16QAM	2615	38200	10	25	12	23.00	21.80	0.151
16QAM	2615	38200	10	25	25	22.93	21.73	0.149
16QAM	2615	38200	10	50	0	22.67	21.47	0.140
64QAM	2575	37800	10	1	0	22.56	21.36	0.137
64QAM	2575	37800	10	1	25	22.45	21.25	0.133
64QAM	2575	37800	10	1	49	22.51	21.31	0.135
64QAM	2575	37800	10	25	0	21.76	20.56	0.114
64QAM	2575	37800	10	25	12	21.74	20.54	0.113
64QAM	2575	37800	10	25	25	21.75	20.55	0.114
64QAM	2575	37800	10	50	0	21.16	19.96	0.099
64QAM	2595	38000	10	1	0	22.52	21.32	0.136
64QAM	2595	38000	10	1	25	22.56	21.36	0.137
64QAM	2595	38000	10	1	49	22.82	21.62	0.145
64QAM	2595	38000	10	25	0	21.76	20.56	0.114
64QAM	2595	38000	10	25	12	21.61	20.41	0.110
64QAM	2595	38000	10	25	25	21.54	20.34	0.108
64QAM	2595	38000	10	50	0	21.31	20.11	0.103
64QAM	2615	38200	10	1	0	22.20	21.00	0.126
64QAM	2615	38200	10	1	25	22.22	21.02	0.126
64QAM	2615	38200	10	1	49	22.24	21.04	0.127
64QAM	2615	38200	10	25	0	21.64	20.44	0.111
64QAM	2615	38200	10	25	12	21.67	20.47	0.111
64QAM	2615	38200	10	25	25	21.74	20.54	0.113
64QAM	2615	38200	10	50	0	20.99	19.79	0.095

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	24.98	23.78	0.239
QPSK	2577.5	37825	15	1	37	25.16	23.96	0.249
QPSK	2577.5	37825	15	1	74	25.07	23.87	0.244
QPSK	2577.5	37825	15	36	0	23.99	22.79	0.190
QPSK	2577.5	37825	15	36	29	23.96	22.76	0.189
QPSK	2577.5	37825	15	36	30	23.97	22.77	0.189
QPSK	2577.5	37825	15	75	0	23.76	22.56	0.180
QPSK	2595	38000	15	1	0	25.19	23.99	0.251
QPSK	2595	38000	15	1	37	25.03	23.83	0.242
QPSK	2595	38000	15	1	74	25.07	23.87	0.244
QPSK	2595	38000	15	36	0	23.87	22.67	0.185
QPSK	2595	38000	15	36	29	23.68	22.48	0.177
QPSK	2595	38000	15	36	30	23.68	22.48	0.177
QPSK	2595	38000	15	75	0	23.57	22.37	0.173
QPSK	2612.5	38175	15	1	0	24.92	23.72	0.236
QPSK	2612.5	38175	15	1	37	24.81	23.61	0.230
QPSK	2612.5	38175	15	1	74	25.06	23.86	0.243
QPSK	2612.5	38175	15	36	0	23.88	22.68	0.185
QPSK	2612.5	38175	15	36	29	23.92	22.72	0.187
QPSK	2612.5	38175	15	36	30	23.93	22.73	0.187
QPSK	2612.5	38175	15	75	0	23.52	22.32	0.171

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	23.69	22.49	0.177
16QAM	2577.5	37825	15	1	37	23.55	22.35	0.172
16QAM	2577.5	37825	15	1	74	23.67	22.47	0.177
16QAM	2577.5	37825	15	36	0	23.07	21.87	0.154
16QAM	2577.5	37825	15	36	29	23.01	21.81	0.152
16QAM	2577.5	37825	15	36	30	23.02	21.82	0.152
16QAM	2577.5	37825	15	75	0	22.76	21.56	0.143
16QAM	2595	38000	15	1	0	23.77	22.57	0.181
16QAM	2595	38000	15	1	37	23.68	22.48	0.177
16QAM	2595	38000	15	1	74	23.64	22.44	0.175
16QAM	2595	38000	15	36	0	22.97	21.77	0.150
16QAM	2595	38000	15	36	29	22.85	21.65	0.146
16QAM	2595	38000	15	36	30	22.85	21.65	0.146
16QAM	2595	38000	15	75	0	22.73	21.53	0.142
16QAM	2612.5	38175	15	1	0	23.65	22.45	0.176
16QAM	2612.5	38175	15	1	37	23.65	22.45	0.176
16QAM	2612.5	38175	15	1	74	23.71	22.51	0.178
16QAM	2612.5	38175	15	36	0	22.85	21.65	0.146
16QAM	2612.5	38175	15	36	29	23.01	21.81	0.152
16QAM	2612.5	38175	15	36	30	23.01	21.81	0.152
16QAM	2612.5	38175	15	75	0	22.64	21.44	0.139
64QAM	2577.5	37825	15	1	0	22.68	21.48	0.141
64QAM	2577.5	37825	15	1	37	22.63	21.43	0.139
64QAM	2577.5	37825	15	1	74	22.66	21.46	0.140
64QAM	2577.5	37825	15	36	0	21.77	20.57	0.114
64QAM	2577.5	37825	15	36	29	21.72	20.52	0.113
64QAM	2577.5	37825	15	36	30	21.73	20.53	0.113
64QAM	2577.5	37825	15	75	0	21.48	20.28	0.107
64QAM	2595	38000	15	1	0	22.09	20.89	0.123
64QAM	2595	38000	15	1	37	22.11	20.91	0.123
64QAM	2595	38000	15	1	74	22.08	20.88	0.122
64QAM	2595	38000	15	36	0	21.50	20.30	0.107
64QAM	2595	38000	15	36	29	21.61	20.41	0.110
64QAM	2595	38000	15	36	30	21.62	20.42	0.110
64QAM	2595	38000	15	75	0	21.29	20.09	0.102
64QAM	2612.5	38175	15	1	0	22.58	21.38	0.137
64QAM	2612.5	38175	15	1	37	22.41	21.21	0.132
64QAM	2612.5	38175	15	1	74	22.05	20.85	0.122
64QAM	2612.5	38175	15	36	0	21.56	20.36	0.109
64QAM	2612.5	38175	15	36	29	21.71	20.51	0.112
64QAM	2612.5	38175	15	36	30	21.55	20.35	0.108
64QAM	2612.5	38175	15	75	0	21.27	20.07	0.102

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	25.19	23.99	0.251
QPSK	2580	37850	20	1	49	25.15	23.95	0.248
QPSK	2580	37850	20	1	99	25.03	23.83	0.242
QPSK	2580	37850	20	50	0	24.10	22.90	0.195
QPSK	2580	37850	20	50	24	23.96	22.76	0.189
QPSK	2580	37850	20	50	50	24.00	22.80	0.191
QPSK	2580	37850	20	100	0	23.72	22.52	0.179
QPSK	2595	38000	20	1	0	25.37	24.17	0.261
QPSK	2595	38000	20	1	49	25.17	23.97	0.249
QPSK	2595	38000	20	1	99	24.89	23.69	0.234
QPSK	2595	38000	20	50	0	23.87	22.67	0.185
QPSK	2595	38000	20	50	24	23.92	22.72	0.187
QPSK	2595	38000	20	50	50	23.77	22.57	0.181
QPSK	2595	38000	20	100	0	23.58	22.38	0.173
QPSK	2610	38150	20	1	0	25.11	23.91	0.246
QPSK	2610	38150	20	1	49	25.02	23.82	0.241
QPSK	2610	38150	20	1	99	25.06	23.86	0.243
QPSK	2610	38150	20	50	0	23.72	22.52	0.179
QPSK	2610	38150	20	50	24	23.80	22.60	0.182
QPSK	2610	38150	20	50	50	23.86	22.66	0.185
QPSK	2610	38150	20	100	0	23.37	22.17	0.165

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	23.68	22.48	0.177
16QAM	2580	37850	20	1	49	23.68	22.48	0.177
16QAM	2580	37850	20	1	99	23.61	22.41	0.174
16QAM	2580	37850	20	50	0	23.17	21.97	0.157
16QAM	2580	37850	20	50	24	23.11	21.91	0.155
16QAM	2580	37850	20	50	50	23.06	21.86	0.153
16QAM	2580	37850	20	100	0	22.66	21.46	0.140
16QAM	2595	38000	20	1	0	23.75	22.55	0.180
16QAM	2595	38000	20	1	49	23.68	22.48	0.177
16QAM	2595	38000	20	1	99	23.53	22.33	0.171
16QAM	2595	38000	20	50	0	22.96	21.76	0.150
16QAM	2595	38000	20	50	24	23.00	21.80	0.151
16QAM	2595	38000	20	50	50	22.85	21.65	0.146
16QAM	2595	38000	20	100	0	22.64	21.44	0.139
16QAM	2610	38150	20	1	0	23.73	22.53	0.179
16QAM	2610	38150	20	1	49	23.52	22.32	0.171
16QAM	2610	38150	20	1	99	23.70	22.50	0.178
16QAM	2610	38150	20	50	0	22.93	21.73	0.149
16QAM	2610	38150	20	50	24	22.89	21.69	0.148
16QAM	2610	38150	20	50	50	23.02	21.82	0.152
16QAM	2610	38150	20	100	0	22.59	21.39	0.138
64QAM	2580	37850	20	1	0	22.40	21.20	0.132
64QAM	2580	37850	20	1	49	22.46	21.26	0.134
64QAM	2580	37850	20	1	99	22.88	21.68	0.147
64QAM	2580	37850	20	50	0	21.79	20.59	0.115
64QAM	2580	37850	20	50	24	21.59	20.39	0.109
64QAM	2580	37850	20	50	50	21.71	20.51	0.112
64QAM	2580	37850	20	100	0	21.39	20.19	0.104
64QAM	2595	38000	20	1	0	22.26	21.06	0.128
64QAM	2595	38000	20	1	49	22.09	20.89	0.123
64QAM	2595	38000	20	1	99	22.13	20.93	0.124
64QAM	2595	38000	20	50	0	21.63	20.43	0.110
64QAM	2595	38000	20	50	24	21.43	20.23	0.105
64QAM	2595	38000	20	50	50	21.51	20.31	0.107
64QAM	2595	38000	20	100	0	21.10	19.90	0.098
64QAM	2610	38150	20	1	0	22.14	20.94	0.124
64QAM	2610	38150	20	1	49	21.98	20.78	0.120
64QAM	2610	38150	20	1	99	22.17	20.97	0.125
64QAM	2610	38150	20	50	0	21.42	20.22	0.105
64QAM	2610	38150	20	50	24	21.48	20.28	0.107
64QAM	2610	38150	20	50	50	21.50	20.30	0.107
64QAM	2610	38150	20	100	0	20.92	19.72	0.094