

Fig.61

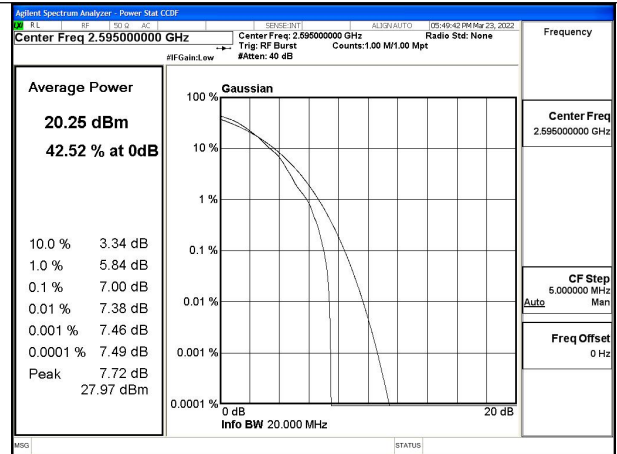


Fig.62

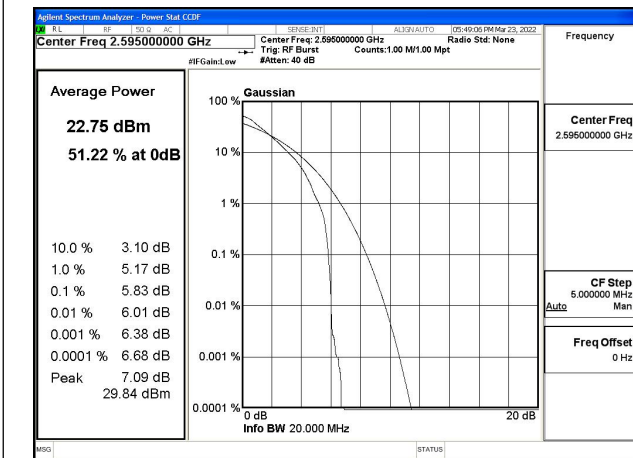


Fig.63

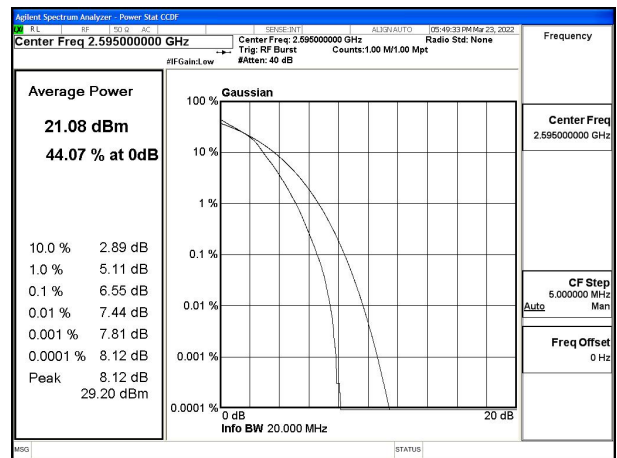


Fig.64

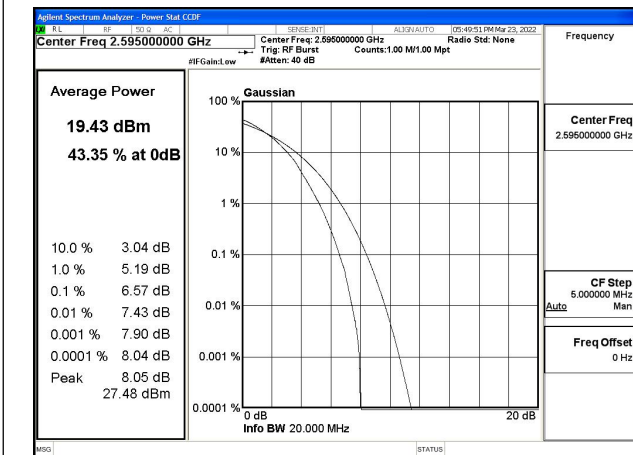


Fig.65

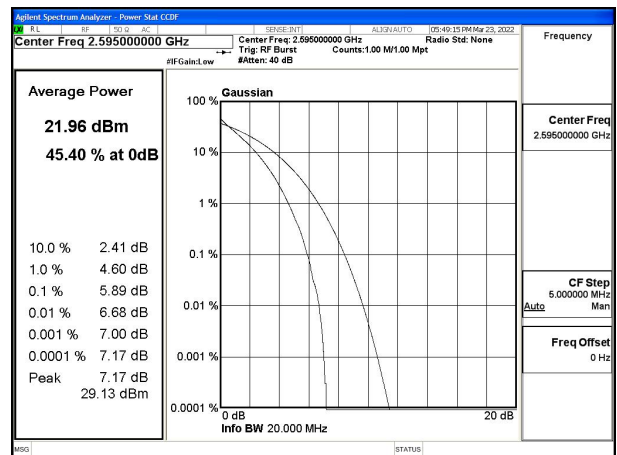


Fig.66

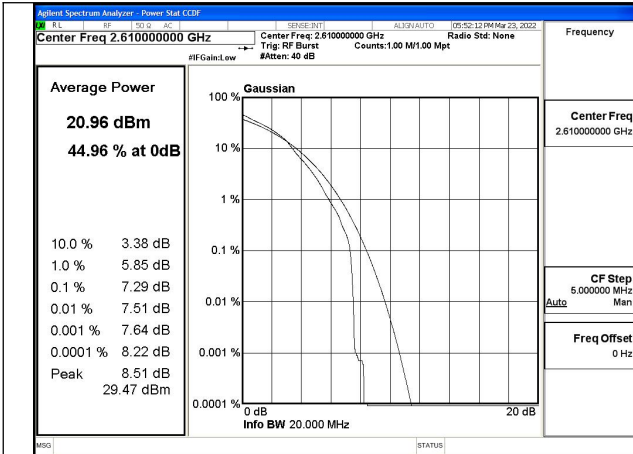


Fig.67

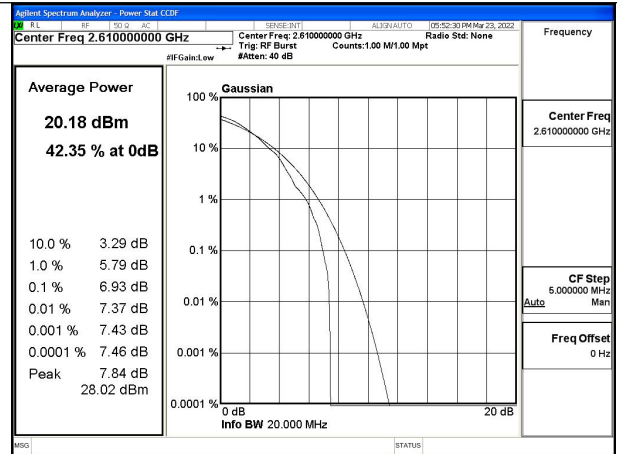


Fig.68

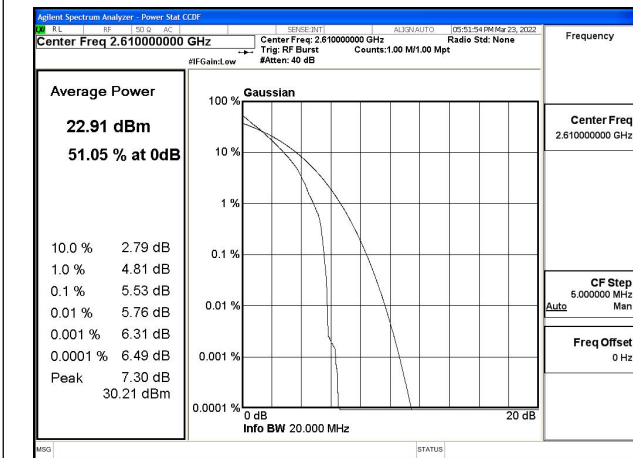


Fig.69

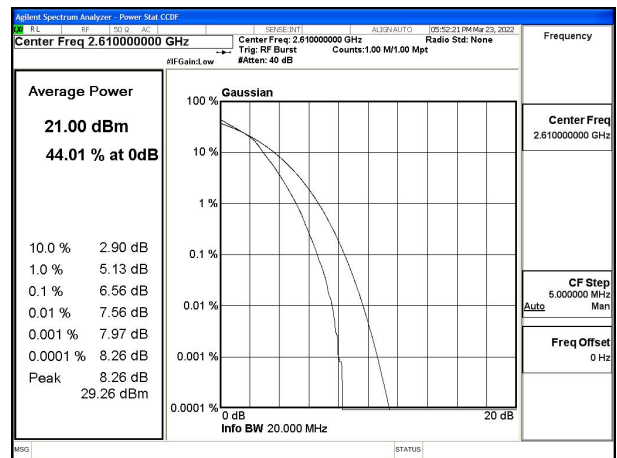


Fig.70

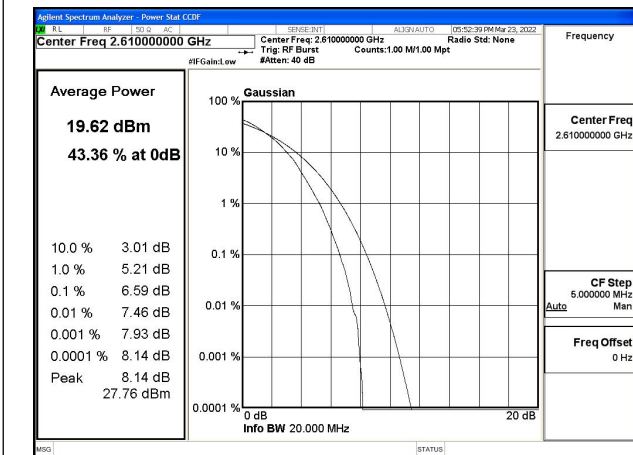


Fig.71

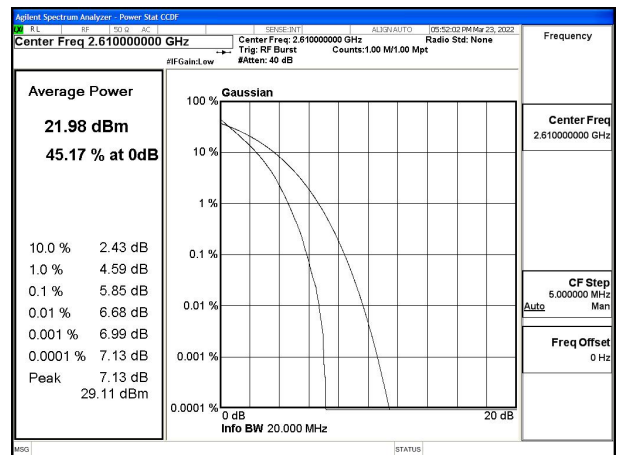


Fig.72

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

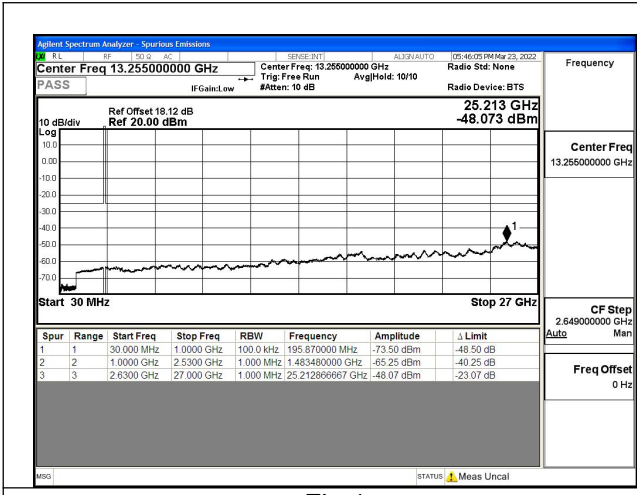


Fig.1

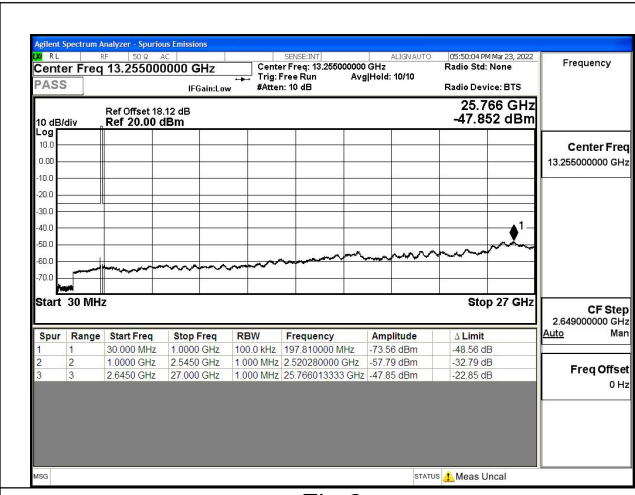


Fig.2

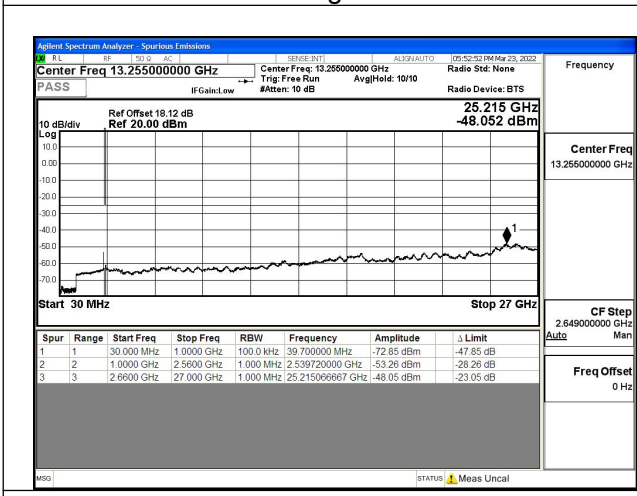


Fig.3

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

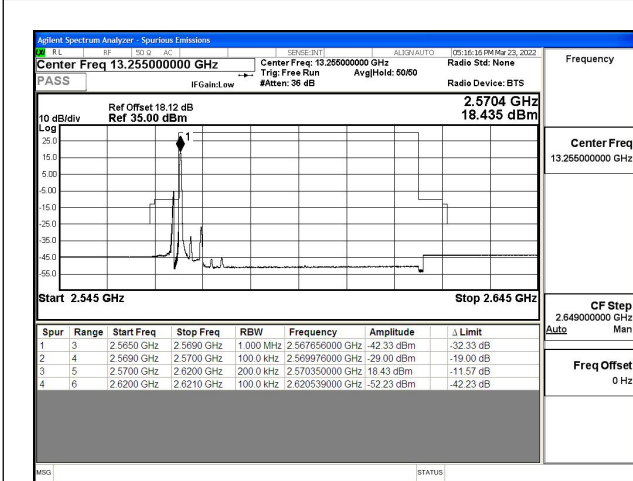


Fig.1

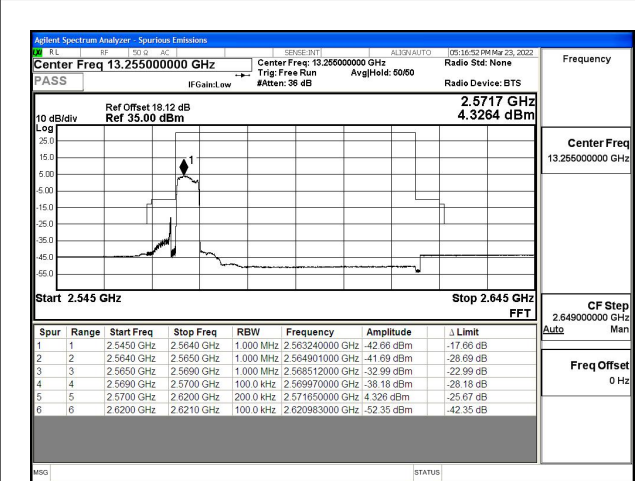


Fig.2

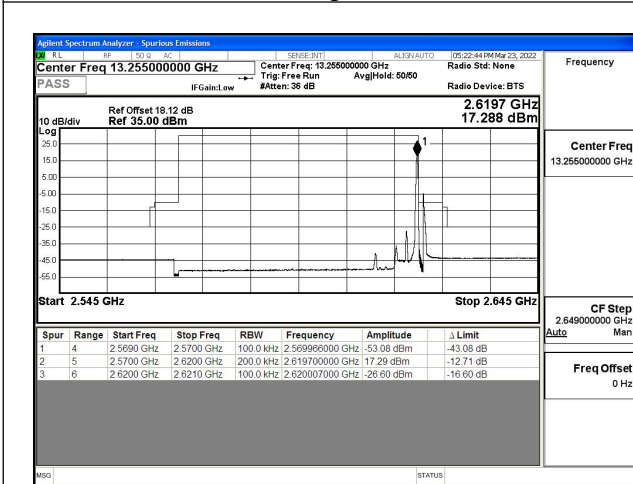


Fig.3

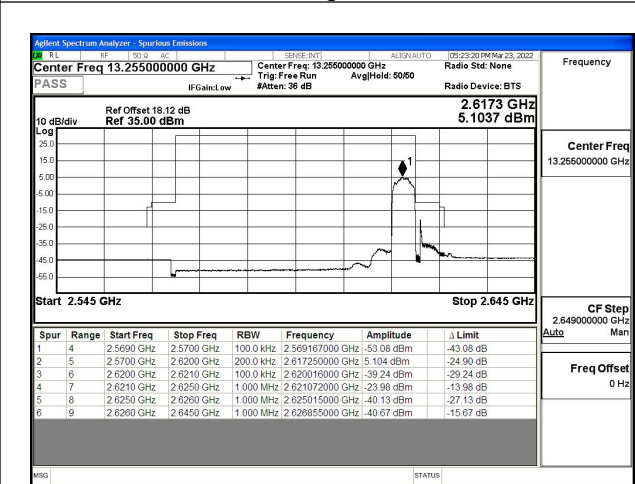


Fig.4

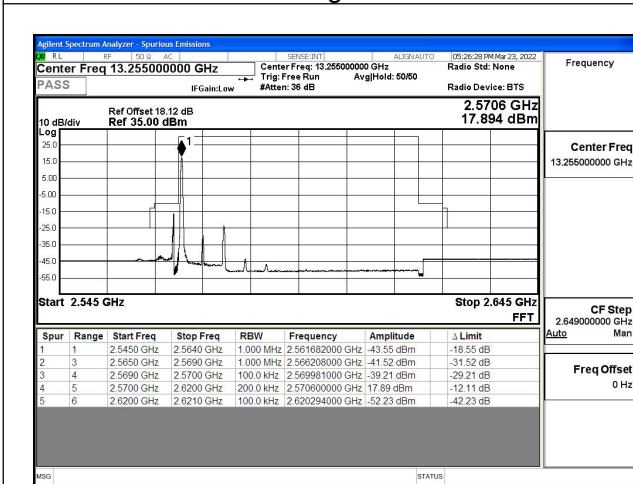


Fig.5

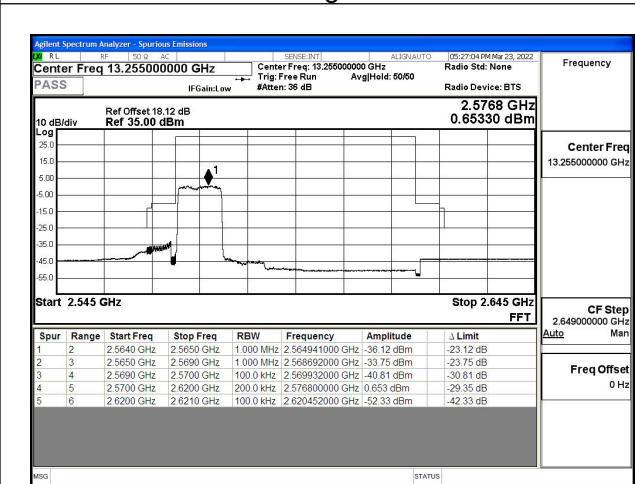


Fig.6

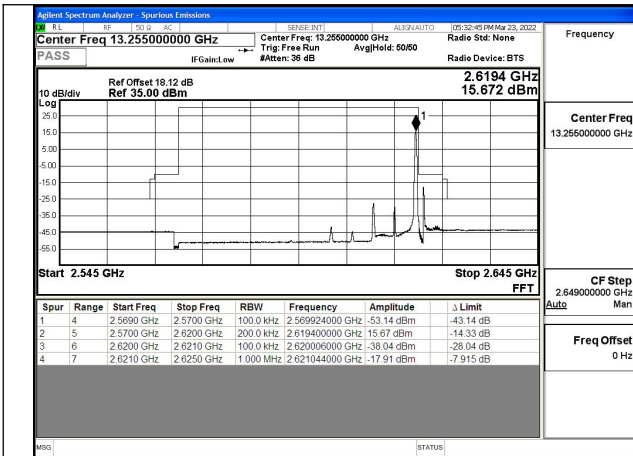


Fig.7

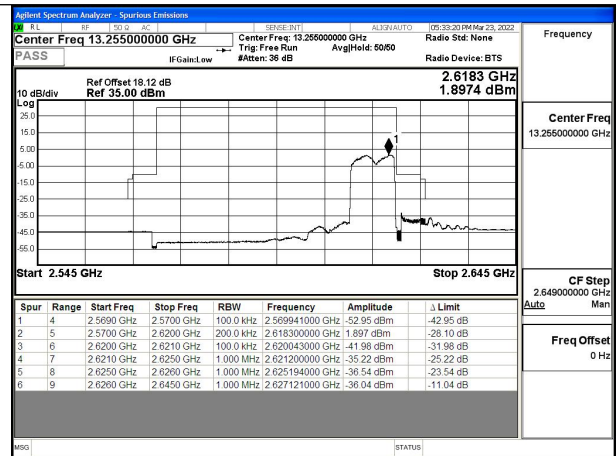


Fig.8

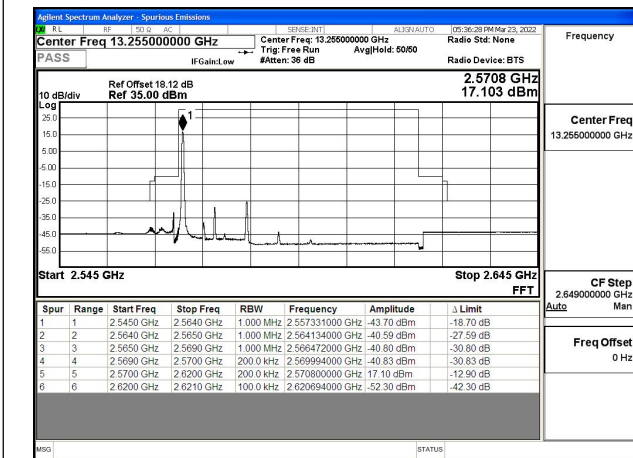


Fig.9

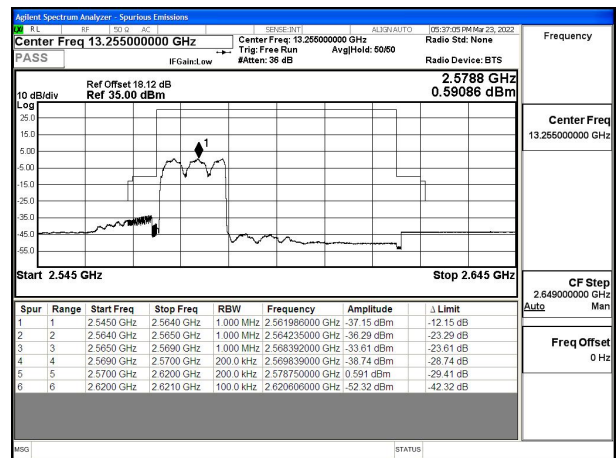


Fig.10

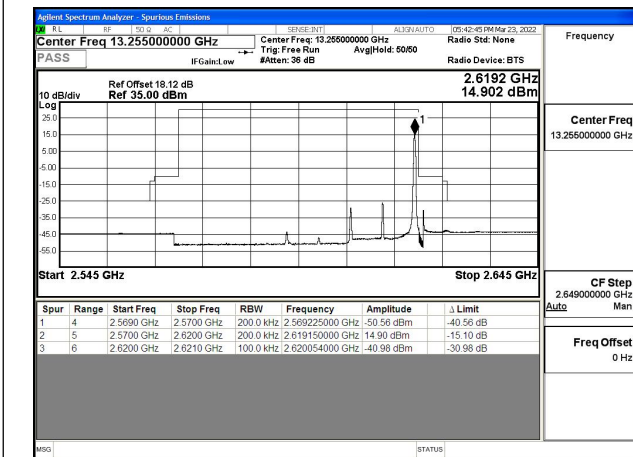


Fig.11

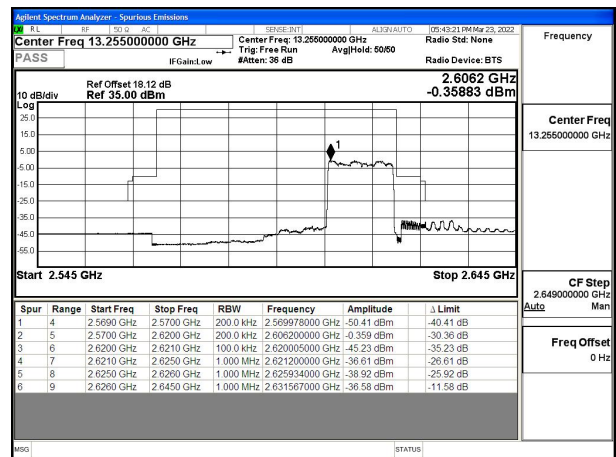


Fig.12

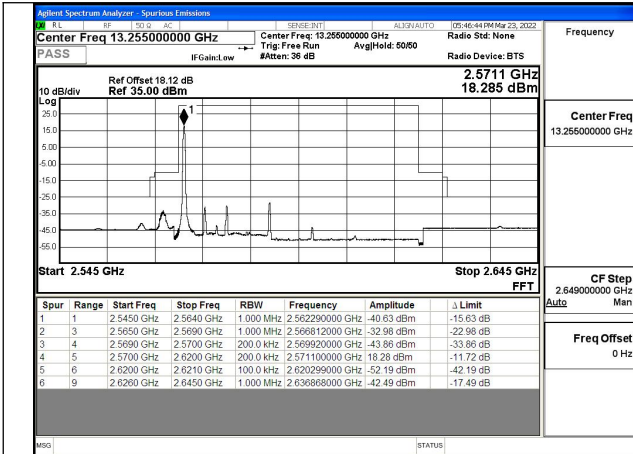


Fig.13

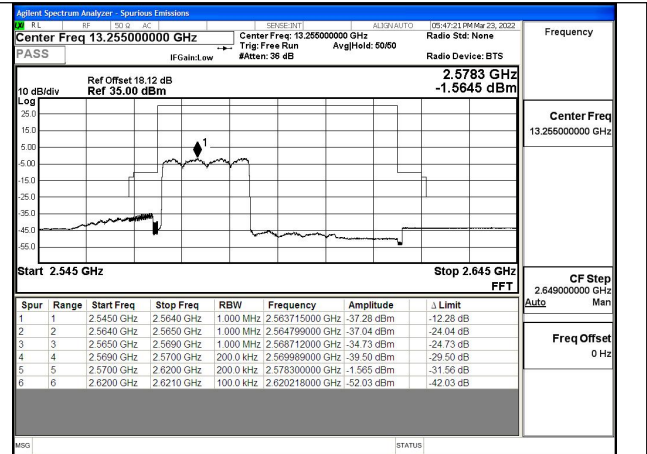


Fig.14

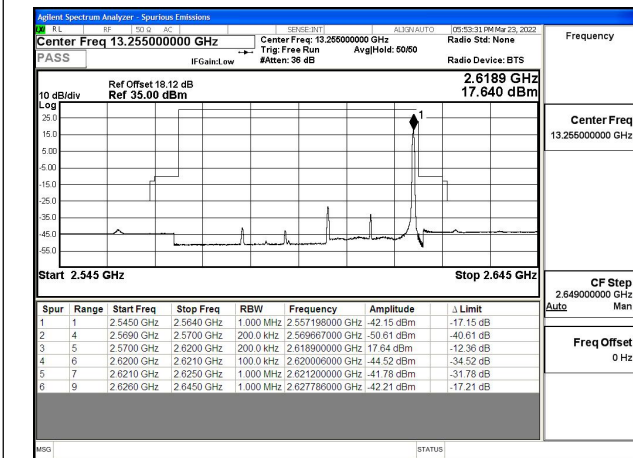


Fig.15

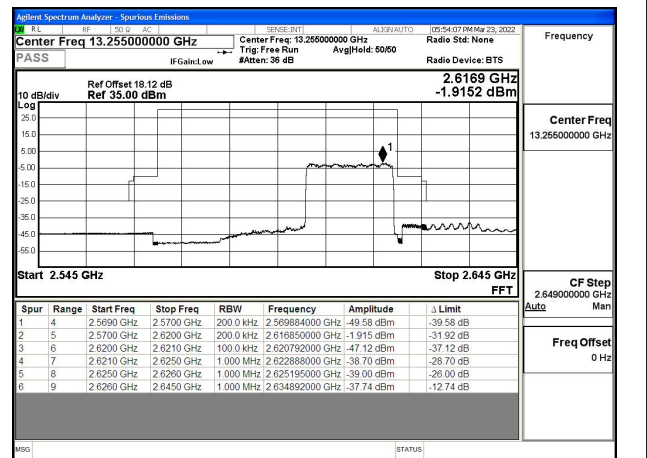


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		10M	15M	20M	20M
-10	NV	0.012	0.014	0.004	-0.003
0	NV	0.005	0.013	0.012	0.012
+10	NV	-0.019	-0.021	-0.014	-0.018
+20	NV	-0.018	-0.011	-0.007	-0.016
+30	NV	-0.010	-0.016	-0.011	0.019
+40	NV	0.004	-0.009	-0.010	0.009
+55	NV	-0.017	-0.017	-0.019	-0.007
+20	LV	-0.009	-0.019	-0.009	-0.015
+20	HV	-0.019	-0.021	-0.009	-0.010

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.017	0.007	0.012	-0.005
0	NV	-0.020	-0.007	0.001	-0.007
+10	NV	-0.013	-0.020	-0.014	-0.020
+20	NV	-0.017	-0.021	-0.015	-0.010
+30	NV	-0.009	-0.006	-0.021	-0.005
+40	NV	-0.019	-0.008	-0.002	-0.014
+55	NV	-0.009	-0.012	-0.007	-0.016
+20	LV	-0.010	-0.020	-0.020	-0.011
+20	HV	-0.021	-0.019	-0.017	-0.020

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)
QPSK	2572.5	37775	5	1	0	23.10	21.90	0.155
QPSK	2572.5	37775	5	1	12	23.44	22.24	0.167
QPSK	2572.5	37775	5	1	24	23.42	22.22	0.167
QPSK	2572.5	37775	5	12	0	22.38	21.18	0.131
QPSK	2572.5	37775	5	12	7	22.32	21.12	0.129
QPSK	2572.5	37775	5	12	13	22.36	21.16	0.131
QPSK	2572.5	37775	5	25	0	22.39	21.19	0.132
QPSK	2595	38000	5	1	0	23.69	22.49	0.177
QPSK	2595	38000	5	1	12	23.65	22.45	0.176
QPSK	2595	38000	5	1	24	23.58	22.38	0.173
QPSK	2595	38000	5	12	0	22.13	20.93	0.124
QPSK	2595	38000	5	12	7	22.15	20.95	0.124
QPSK	2595	38000	5	12	13	21.96	20.76	0.119
QPSK	2595	38000	5	25	0	22.03	20.83	0.121
QPSK	2617.5	38225	5	1	0	23.45	22.25	0.168
QPSK	2617.5	38225	5	1	12	23.47	22.27	0.169
QPSK	2617.5	38225	5	1	24	23.59	22.39	0.173
QPSK	2617.5	38225	5	12	0	21.95	20.75	0.119
QPSK	2617.5	38225	5	12	7	21.88	20.68	0.117
QPSK	2617.5	38225	5	12	13	21.89	20.69	0.117
QPSK	2617.5	38225	5	25	0	21.92	20.72	0.118

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	21.93	20.73	0.118
16QAM	2572.5	37775	5	1	12	21.96	20.76	0.119
16QAM	2572.5	37775	5	1	24	22.07	20.87	0.122
16QAM	2572.5	37775	5	12	0	21.42	20.22	0.105
16QAM	2572.5	37775	5	12	7	21.48	20.28	0.107
16QAM	2572.5	37775	5	12	13	21.40	20.20	0.105
16QAM	2572.5	37775	5	25	0	21.44	20.24	0.106
16QAM	2595	38000	5	1	0	21.73	20.53	0.113
16QAM	2595	38000	5	1	12	21.75	20.55	0.114
16QAM	2595	38000	5	1	24	21.83	20.63	0.116
16QAM	2595	38000	5	12	0	21.18	19.98	0.100
16QAM	2595	38000	5	12	7	21.23	20.03	0.101
16QAM	2595	38000	5	12	13	21.23	20.03	0.101
16QAM	2595	38000	5	25	0	21.14	19.94	0.099
16QAM	2617.5	38225	5	1	0	21.69	20.49	0.112
16QAM	2617.5	38225	5	1	12	21.62	20.42	0.110
16QAM	2617.5	38225	5	1	24	21.62	20.42	0.110
16QAM	2617.5	38225	5	12	0	21.06	19.86	0.097
16QAM	2617.5	38225	5	12	7	21.03	19.83	0.096
16QAM	2617.5	38225	5	12	13	21.05	19.85	0.097
16QAM	2617.5	38225	5	25	0	21.08	19.88	0.097
64QAM	2572.5	37775	5	1	0	20.71	19.51	0.089
64QAM	2572.5	37775	5	1	12	21.08	19.88	0.097
64QAM	2572.5	37775	5	1	24	20.68	19.48	0.089
64QAM	2572.5	37775	5	12	0	19.93	18.73	0.075
64QAM	2572.5	37775	5	12	7	19.92	18.72	0.074
64QAM	2572.5	37775	5	12	13	19.93	18.73	0.075
64QAM	2572.5	37775	5	25	0	20.13	18.93	0.078
64QAM	2595	38000	5	1	0	20.63	19.43	0.088
64QAM	2595	38000	5	1	12	20.77	19.57	0.091
64QAM	2595	38000	5	1	24	20.64	19.44	0.088
64QAM	2595	38000	5	12	0	19.75	18.55	0.072
64QAM	2595	38000	5	12	7	19.68	18.48	0.070
64QAM	2595	38000	5	12	13	19.77	18.57	0.072
64QAM	2595	38000	5	25	0	19.85	18.65	0.073
64QAM	2617.5	38225	5	1	0	20.34	19.14	0.082
64QAM	2617.5	38225	5	1	12	20.39	19.19	0.083
64QAM	2617.5	38225	5	1	24	20.30	19.10	0.081
64QAM	2617.5	38225	5	12	0	19.39	18.19	0.066
64QAM	2617.5	38225	5	12	7	19.53	18.33	0.068
64QAM	2617.5	38225	5	12	13	19.48	18.28	0.067
64QAM	2617.5	38225	5	25	0	19.67	18.47	0.070

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	23.61	22.41	0.174
QPSK	2575	37800	10	1	25	23.66	22.46	0.176
QPSK	2575	37800	10	1	49	23.52	22.32	0.171
QPSK	2575	37800	10	25	0	22.23	21.03	0.127
QPSK	2575	37800	10	25	12	22.28	21.08	0.128
QPSK	2575	37800	10	25	25	22.43	21.23	0.133
QPSK	2575	37800	10	50	0	22.24	21.04	0.127
QPSK	2595	38000	10	1	0	23.81	22.61	0.182
QPSK	2595	38000	10	1	25	23.66	22.46	0.176
QPSK	2595	38000	10	1	49	23.59	22.39	0.173
QPSK	2595	38000	10	25	0	22.13	20.93	0.124
QPSK	2595	38000	10	25	12	22.11	20.91	0.123
QPSK	2595	38000	10	25	25	22.02	20.82	0.121
QPSK	2595	38000	10	50	0	22.00	20.80	0.120
QPSK	2615	38200	10	1	0	23.47	22.27	0.169
QPSK	2615	38200	10	1	25	23.54	22.34	0.171
QPSK	2615	38200	10	1	49	23.50	22.30	0.170
QPSK	2615	38200	10	25	0	22.02	20.82	0.121
QPSK	2615	38200	10	25	12	22.03	20.83	0.121
QPSK	2615	38200	10	25	25	22.00	20.80	0.120
QPSK	2615	38200	10	50	0	21.93	20.73	0.118

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	22.10	20.90	0.123
16QAM	2575	37800	10	1	25	22.18	20.98	0.125
16QAM	2575	37800	10	1	49	22.10	20.90	0.123
16QAM	2575	37800	10	25	0	21.40	20.20	0.105
16QAM	2575	37800	10	25	12	21.44	20.24	0.106
16QAM	2575	37800	10	25	25	21.37	20.17	0.104
16QAM	2575	37800	10	50	0	21.41	20.21	0.105
16QAM	2595	38000	10	1	0	21.99	20.79	0.120
16QAM	2595	38000	10	1	25	21.77	20.57	0.114
16QAM	2595	38000	10	1	49	21.66	20.46	0.111
16QAM	2595	38000	10	25	0	21.19	19.99	0.100
16QAM	2595	38000	10	25	12	21.14	19.94	0.099
16QAM	2595	38000	10	25	25	21.22	20.02	0.100
16QAM	2595	38000	10	50	0	21.22	20.02	0.100
16QAM	2615	38200	10	1	0	21.64	20.44	0.111
16QAM	2615	38200	10	1	25	21.70	20.50	0.112
16QAM	2615	38200	10	1	49	21.61	20.41	0.110
16QAM	2615	38200	10	25	0	21.20	20.00	0.100
16QAM	2615	38200	10	25	12	21.20	20.00	0.100
16QAM	2615	38200	10	25	25	21.12	19.92	0.098
16QAM	2615	38200	10	50	0	21.28	20.08	0.102
64QAM	2575	37800	10	1	0	21.00	19.80	0.095
64QAM	2575	37800	10	1	25	21.02	19.82	0.096
64QAM	2575	37800	10	1	49	20.89	19.69	0.093
64QAM	2575	37800	10	25	0	19.99	18.79	0.076
64QAM	2575	37800	10	25	12	19.91	18.71	0.074
64QAM	2575	37800	10	25	25	20.01	18.81	0.076
64QAM	2575	37800	10	50	0	19.86	18.66	0.073
64QAM	2595	38000	10	1	0	20.83	19.63	0.092
64QAM	2595	38000	10	1	25	20.78	19.58	0.091
64QAM	2595	38000	10	1	49	20.75	19.55	0.090
64QAM	2595	38000	10	25	0	19.80	18.60	0.072
64QAM	2595	38000	10	25	12	19.94	18.74	0.075
64QAM	2595	38000	10	25	25	19.83	18.63	0.073
64QAM	2595	38000	10	50	0	19.64	18.44	0.070
64QAM	2615	38200	10	1	0	20.36	19.16	0.082
64QAM	2615	38200	10	1	25	20.43	19.23	0.084
64QAM	2615	38200	10	1	49	20.34	19.14	0.082
64QAM	2615	38200	10	25	0	19.84	18.64	0.073
64QAM	2615	38200	10	25	12	19.70	18.50	0.071
64QAM	2615	38200	10	25	25	19.71	18.51	0.071
64QAM	2615	38200	10	50	0	19.59	18.39	0.069

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	23.91	22.71	0.187
QPSK	2577.5	37825	15	1	37	23.90	22.70	0.186
QPSK	2577.5	37825	15	1	74	23.80	22.60	0.182
QPSK	2577.5	37825	15	36	0	22.31	21.11	0.129
QPSK	2577.5	37825	15	36	29	22.19	20.99	0.126
QPSK	2577.5	37825	15	36	30	22.20	21.00	0.126
QPSK	2577.5	37825	15	75	0	22.26	21.06	0.128
QPSK	2595	38000	15	1	0	23.67	22.47	0.177
QPSK	2595	38000	15	1	37	23.66	22.46	0.176
QPSK	2595	38000	15	1	74	23.45	22.25	0.168
QPSK	2595	38000	15	36	0	22.14	20.94	0.124
QPSK	2595	38000	15	36	29	22.01	20.81	0.121
QPSK	2595	38000	15	36	30	22.02	20.82	0.121
QPSK	2595	38000	15	75	0	22.15	20.95	0.124
QPSK	2612.5	38175	15	1	0	23.27	22.07	0.161
QPSK	2612.5	38175	15	1	37	23.34	22.14	0.164
QPSK	2612.5	38175	15	1	74	23.38	22.18	0.165
QPSK	2612.5	38175	15	36	0	21.91	20.71	0.118
QPSK	2612.5	38175	15	36	29	21.88	20.68	0.117
QPSK	2612.5	38175	15	36	30	21.89	20.69	0.117
QPSK	2612.5	38175	15	75	0	21.97	20.77	0.119

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	22.00	20.80	0.120
16QAM	2577.5	37825	15	1	37	21.97	20.77	0.119
16QAM	2577.5	37825	15	1	74	21.92	20.72	0.118
16QAM	2577.5	37825	15	36	0	21.40	20.20	0.105
16QAM	2577.5	37825	15	36	29	21.30	20.10	0.102
16QAM	2577.5	37825	15	36	30	21.30	20.10	0.102
16QAM	2577.5	37825	15	75	0	21.38	20.18	0.104
16QAM	2595	38000	15	1	0	21.81	20.61	0.115
16QAM	2595	38000	15	1	37	21.76	20.56	0.114
16QAM	2595	38000	15	1	74	21.66	20.46	0.111
16QAM	2595	38000	15	36	0	21.27	20.07	0.102
16QAM	2595	38000	15	36	29	21.03	19.83	0.096
16QAM	2595	38000	15	36	30	21.18	19.98	0.100
16QAM	2595	38000	15	75	0	21.33	20.13	0.103
16QAM	2612.5	38175	15	1	0	21.76	20.56	0.114
16QAM	2612.5	38175	15	1	37	21.74	20.54	0.113
16QAM	2612.5	38175	15	1	74	21.66	20.46	0.111
16QAM	2612.5	38175	15	36	0	21.14	19.94	0.099
16QAM	2612.5	38175	15	36	29	21.18	19.98	0.100
16QAM	2612.5	38175	15	36	30	20.97	19.77	0.095
16QAM	2612.5	38175	15	75	0	21.08	19.88	0.097
64QAM	2577.5	37825	15	1	0	21.06	19.86	0.097
64QAM	2577.5	37825	15	1	37	20.77	19.57	0.091
64QAM	2577.5	37825	15	1	74	20.80	19.60	0.091
64QAM	2577.5	37825	15	36	0	19.89	18.69	0.074
64QAM	2577.5	37825	15	36	29	19.74	18.54	0.071
64QAM	2577.5	37825	15	36	30	19.78	18.58	0.072
64QAM	2577.5	37825	15	75	0	19.89	18.69	0.074
64QAM	2595	38000	15	1	0	20.84	19.64	0.092
64QAM	2595	38000	15	1	37	20.78	19.58	0.091
64QAM	2595	38000	15	1	74	20.54	19.34	0.086
64QAM	2595	38000	15	36	0	19.80	18.60	0.072
64QAM	2595	38000	15	36	29	19.63	18.43	0.070
64QAM	2595	38000	15	36	30	19.63	18.43	0.070
64QAM	2595	38000	15	75	0	19.66	18.46	0.070
64QAM	2612.5	38175	15	1	0	20.46	19.26	0.084
64QAM	2612.5	38175	15	1	37	20.55	19.35	0.086
64QAM	2612.5	38175	15	1	74	20.37	19.17	0.083
64QAM	2612.5	38175	15	36	0	19.60	18.40	0.069
64QAM	2612.5	38175	15	36	29	19.67	18.47	0.070
64QAM	2612.5	38175	15	36	30	19.67	18.47	0.070
64QAM	2612.5	38175	15	75	0	19.54	18.34	0.068

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	23.91	22.71	0.187
QPSK	2580	37850	20	1	49	23.85	22.65	0.184
QPSK	2580	37850	20	1	99	23.66	22.46	0.176
QPSK	2580	37850	20	50	0	22.34	21.14	0.130
QPSK	2580	37850	20	50	24	22.33	21.13	0.130
QPSK	2580	37850	20	50	50	22.19	20.99	0.126
QPSK	2580	37850	20	100	0	22.23	21.03	0.127
QPSK	2595	38000	20	1	0	23.75	22.55	0.180
QPSK	2595	38000	20	1	49	23.66	22.46	0.176
QPSK	2595	38000	20	1	99	23.48	22.28	0.169
QPSK	2595	38000	20	50	0	22.21	21.01	0.126
QPSK	2595	38000	20	50	24	22.08	20.88	0.122
QPSK	2595	38000	20	50	50	22.03	20.83	0.121
QPSK	2595	38000	20	100	0	22.04	20.84	0.121
QPSK	2610	38150	20	1	0	23.36	22.16	0.164
QPSK	2610	38150	20	1	49	23.37	22.17	0.165
QPSK	2610	38150	20	1	99	23.35	22.15	0.164
QPSK	2610	38150	20	50	0	21.92	20.72	0.118
QPSK	2610	38150	20	50	24	22.00	20.80	0.120
QPSK	2610	38150	20	50	50	22.02	20.82	0.121
QPSK	2610	38150	20	100	0	21.97	20.77	0.119

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	22.07	20.87	0.122
16QAM	2580	37850	20	1	49	22.07	20.87	0.122
16QAM	2580	37850	20	1	99	21.88	20.68	0.117
16QAM	2580	37850	20	50	0	21.49	20.29	0.107
16QAM	2580	37850	20	50	24	21.49	20.29	0.107
16QAM	2580	37850	20	50	50	21.34	20.14	0.103
16QAM	2580	37850	20	100	0	21.38	20.18	0.104
16QAM	2595	38000	20	1	0	21.92	20.72	0.118
16QAM	2595	38000	20	1	49	21.92	20.72	0.118
16QAM	2595	38000	20	1	99	21.71	20.51	0.112
16QAM	2595	38000	20	50	0	21.25	20.05	0.101
16QAM	2595	38000	20	50	24	21.16	19.96	0.099
16QAM	2595	38000	20	50	50	21.19	19.99	0.100
16QAM	2595	38000	20	100	0	21.19	19.99	0.100
16QAM	2610	38150	20	1	0	21.65	20.45	0.111
16QAM	2610	38150	20	1	49	21.79	20.59	0.115
16QAM	2610	38150	20	1	99	21.72	20.52	0.113
16QAM	2610	38150	20	50	0	21.21	20.01	0.100
16QAM	2610	38150	20	50	24	21.14	19.94	0.099
16QAM	2610	38150	20	50	50	21.02	19.82	0.096
16QAM	2610	38150	20	100	0	21.05	19.85	0.097
64QAM	2580	37850	20	1	0	20.99	19.79	0.095
64QAM	2580	37850	20	1	49	20.91	19.71	0.094
64QAM	2580	37850	20	1	99	20.70	19.50	0.089
64QAM	2580	37850	20	50	0	19.80	18.60	0.072
64QAM	2580	37850	20	50	24	19.73	18.53	0.071
64QAM	2580	37850	20	50	50	19.78	18.58	0.072
64QAM	2580	37850	20	100	0	19.72	18.52	0.071
64QAM	2595	38000	20	1	0	20.88	19.68	0.093
64QAM	2595	38000	20	1	49	20.77	19.57	0.091
64QAM	2595	38000	20	1	99	20.60	19.40	0.087
64QAM	2595	38000	20	50	0	19.65	18.45	0.070
64QAM	2595	38000	20	50	24	19.60	18.40	0.069
64QAM	2595	38000	20	50	50	19.58	18.38	0.069
64QAM	2595	38000	20	100	0	19.57	18.37	0.069
64QAM	2610	38150	20	1	0	20.53	19.33	0.086
64QAM	2610	38150	20	1	49	20.57	19.37	0.086
64QAM	2610	38150	20	1	99	20.78	19.58	0.091
64QAM	2610	38150	20	50	0	19.63	18.43	0.070
64QAM	2610	38150	20	50	24	19.53	18.33	0.068
64QAM	2610	38150	20	50	50	19.72	18.52	0.071
64QAM	2610	38150	20	100	0	19.66	18.46	0.070