

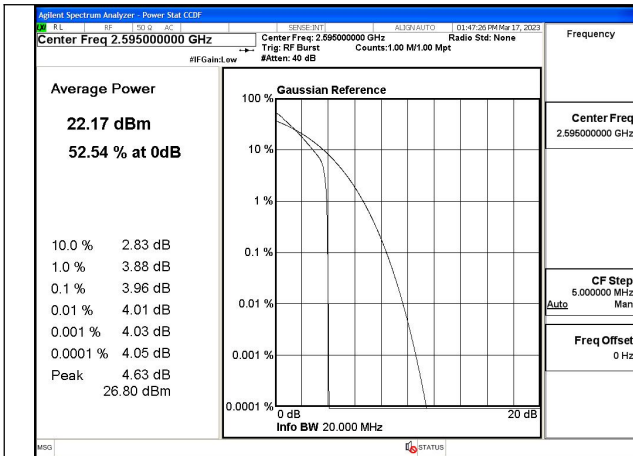


Fig.61

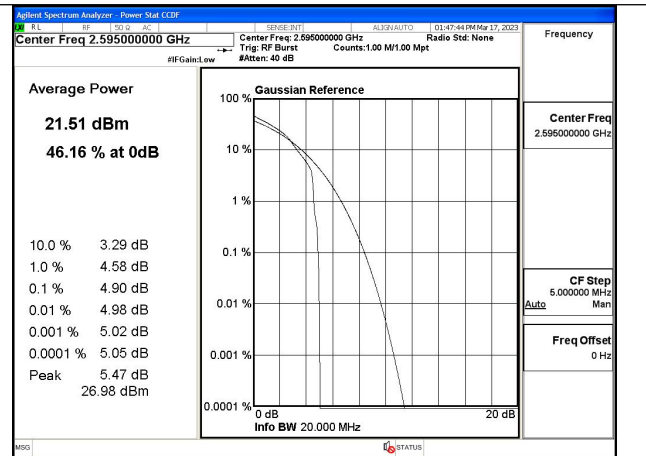


Fig.62

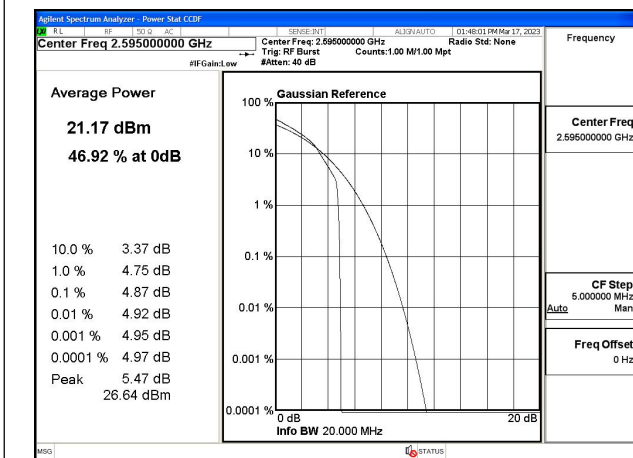


Fig.63

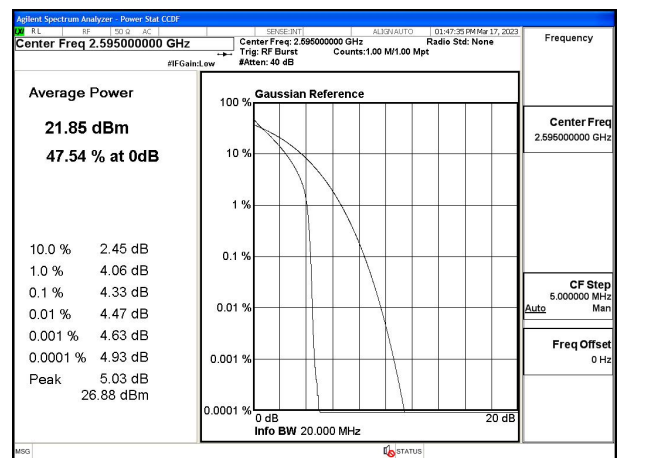


Fig.64

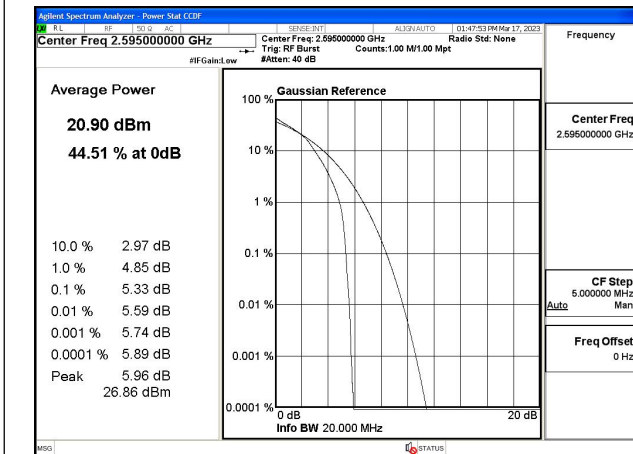


Fig.65

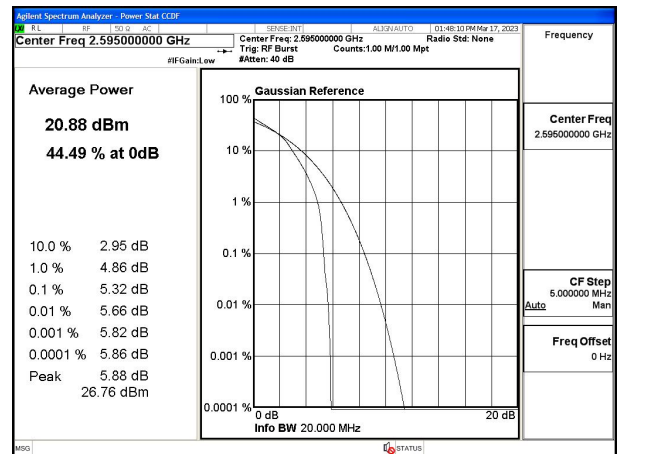


Fig.66

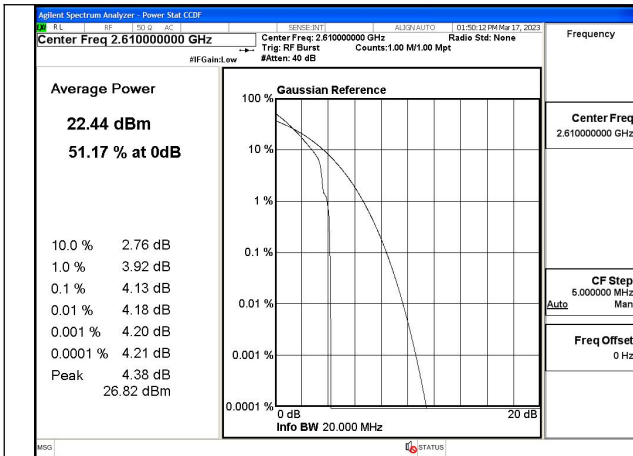


Fig.67

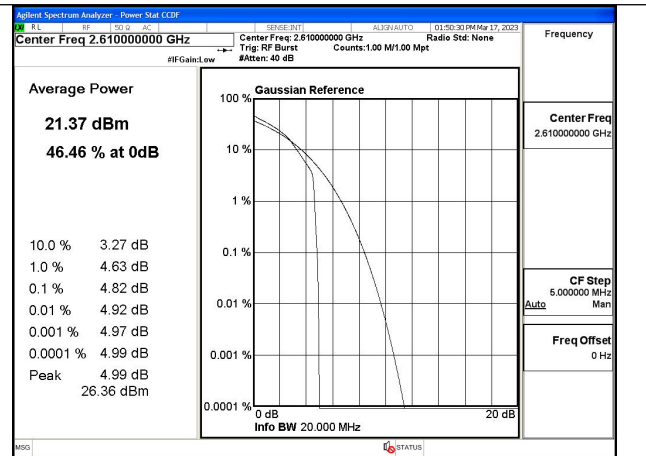


Fig.68

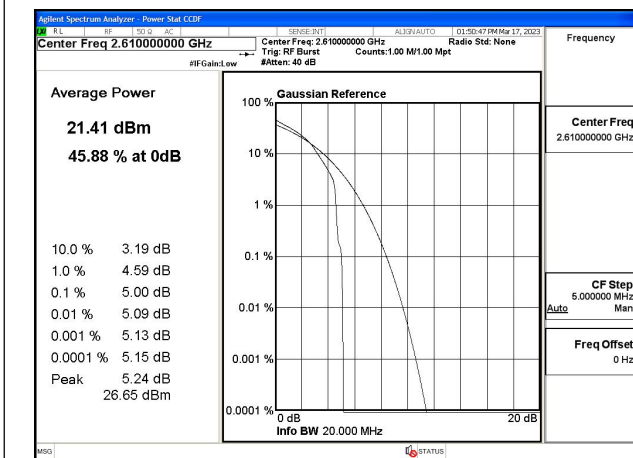


Fig.69

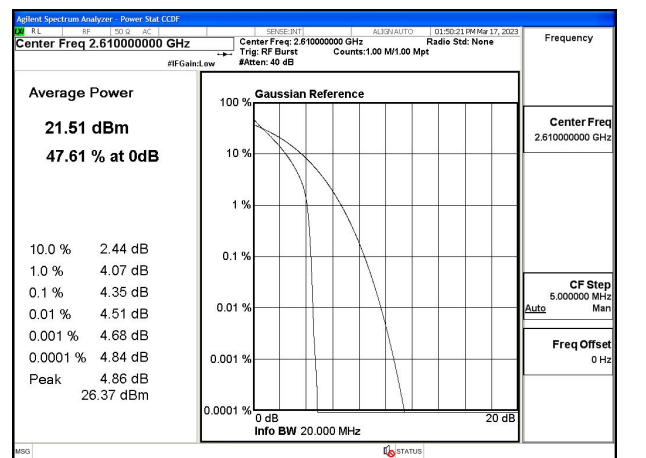


Fig.70

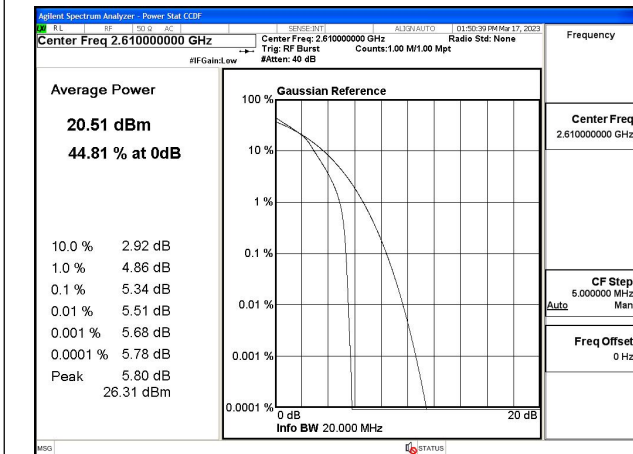


Fig.71

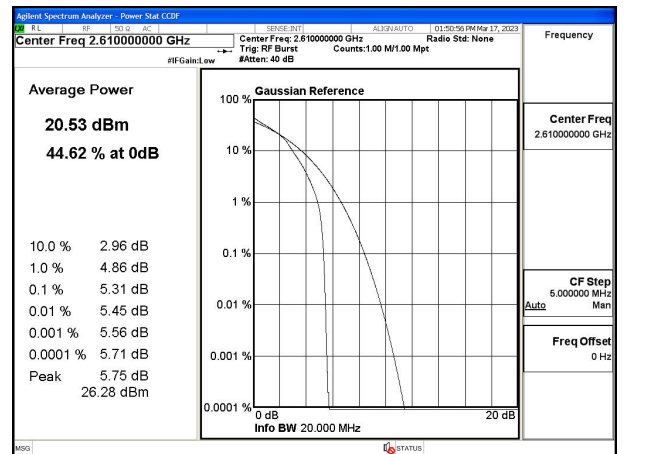


Fig.72

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

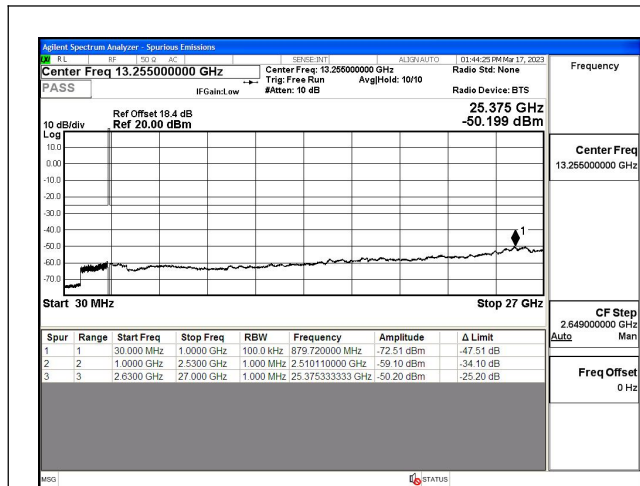


Fig.1

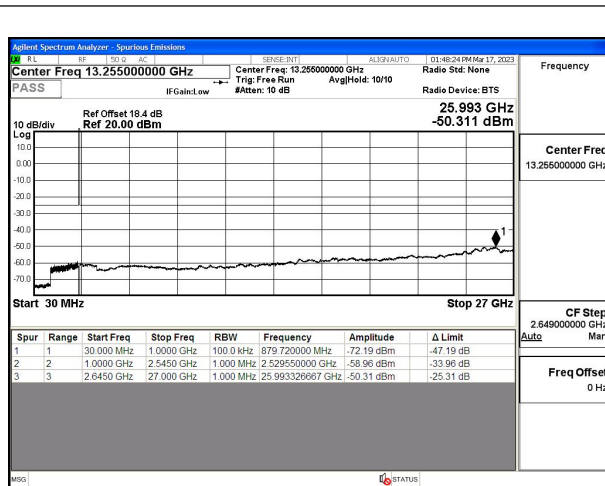


Fig.2

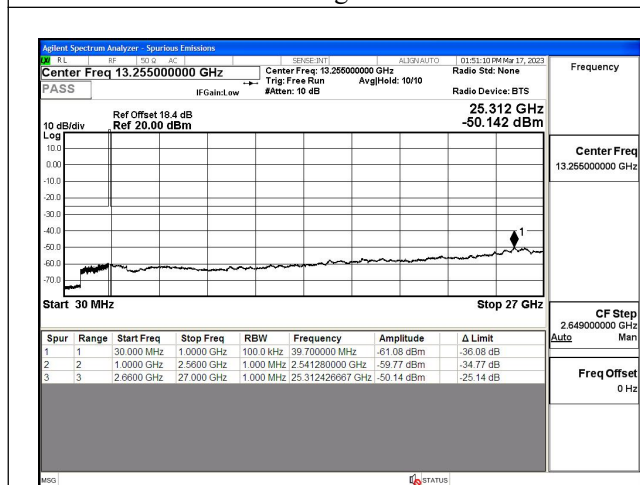


Fig.3

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

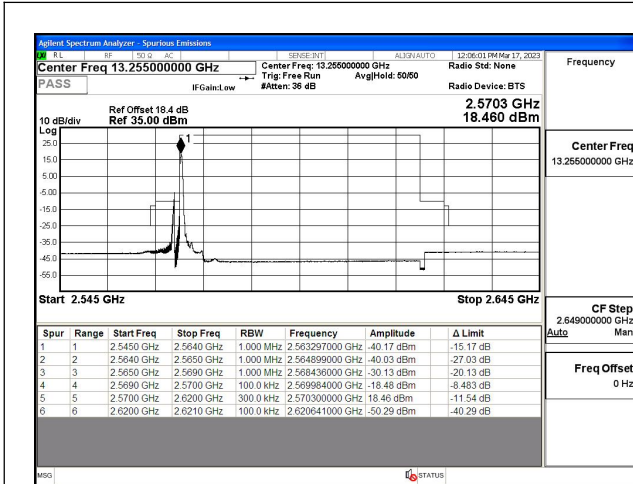


Fig.1

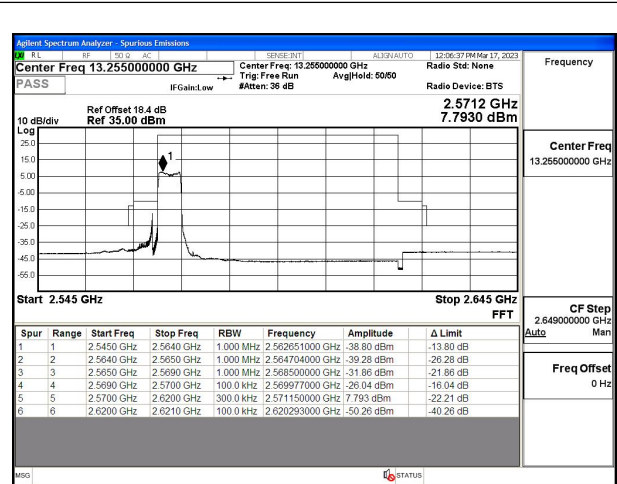


Fig.2

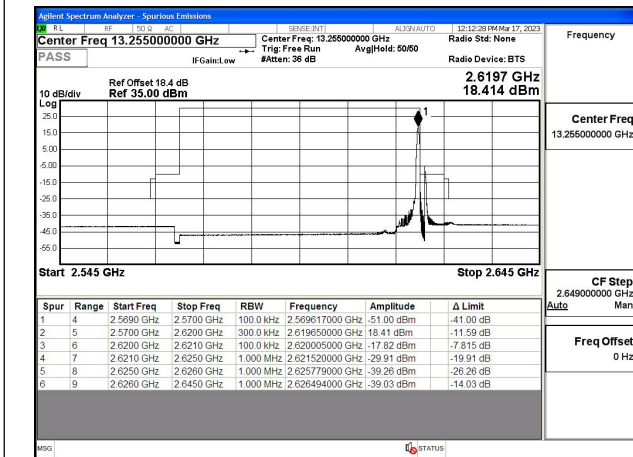


Fig.3

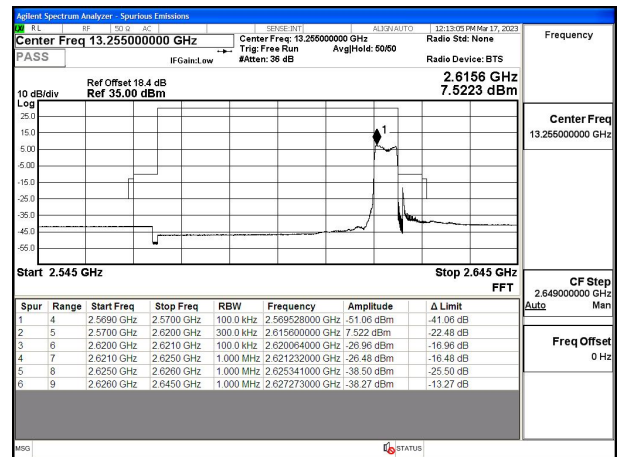


Fig.4

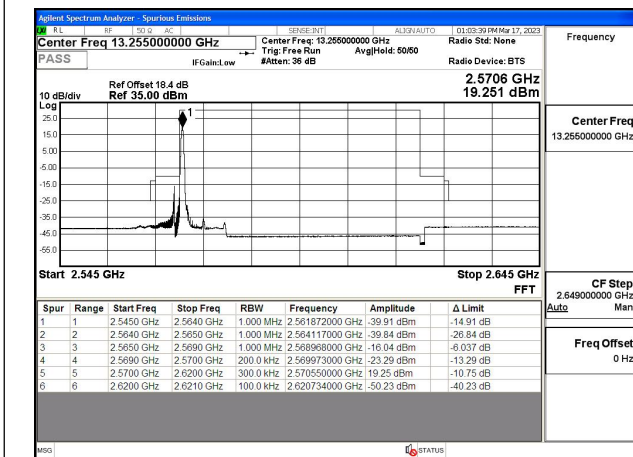


Fig.5

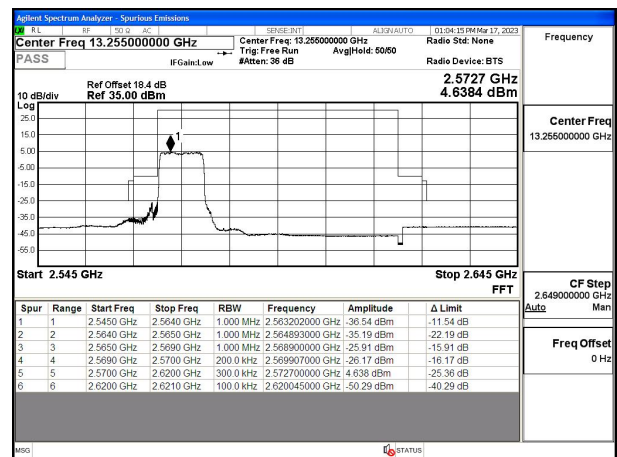


Fig.6

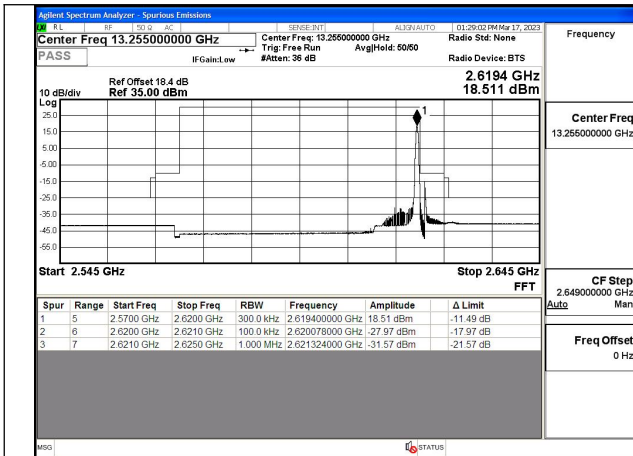


Fig.7

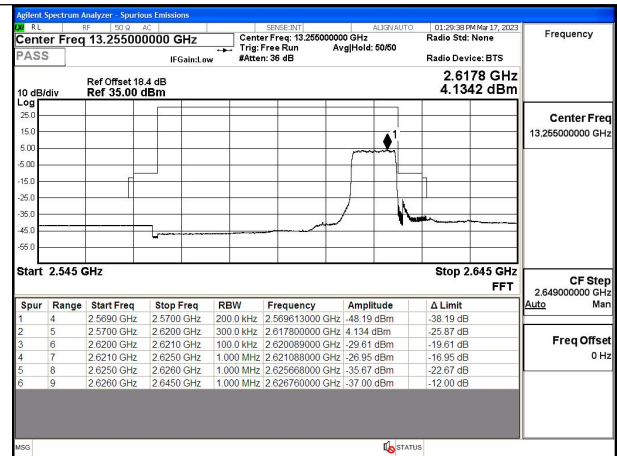


Fig.8

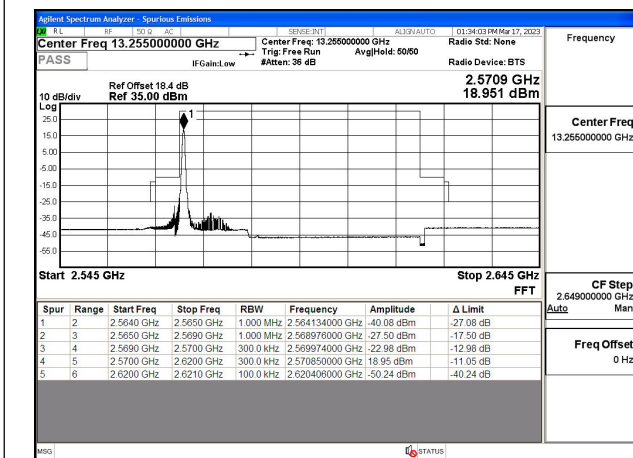


Fig.9

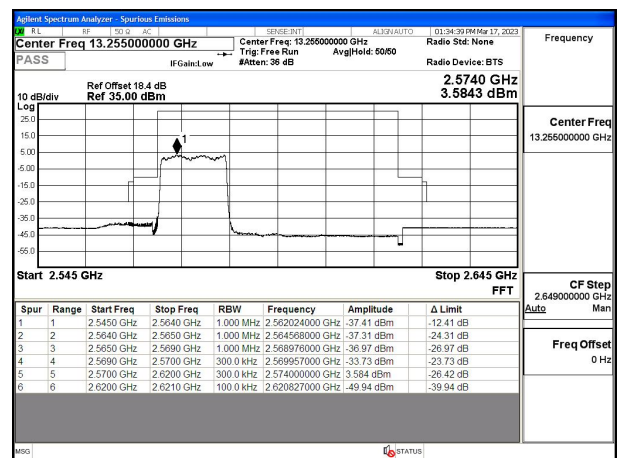


Fig.10

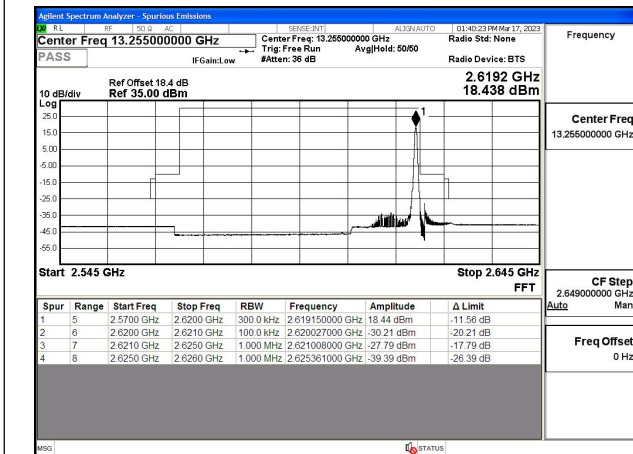


Fig.11

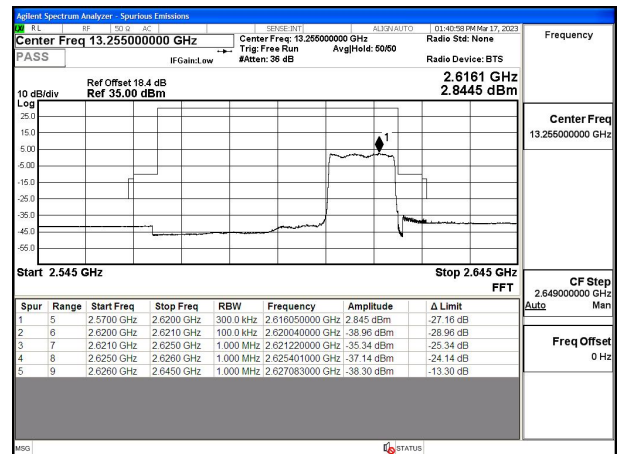


Fig.12

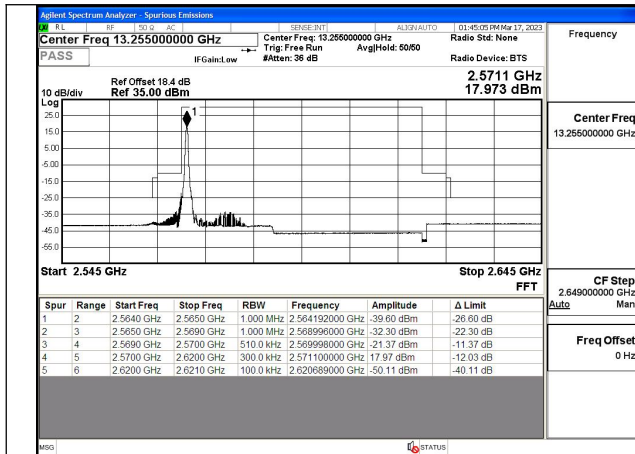


Fig.13

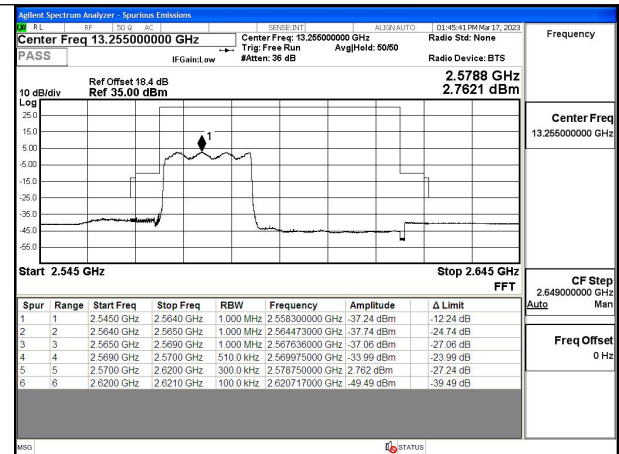


Fig.14

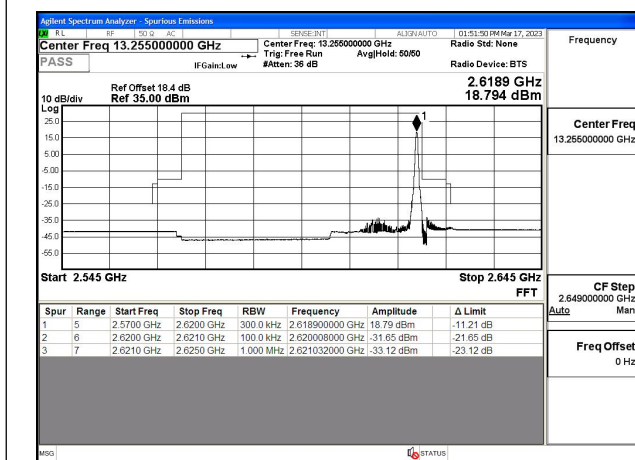


Fig.15

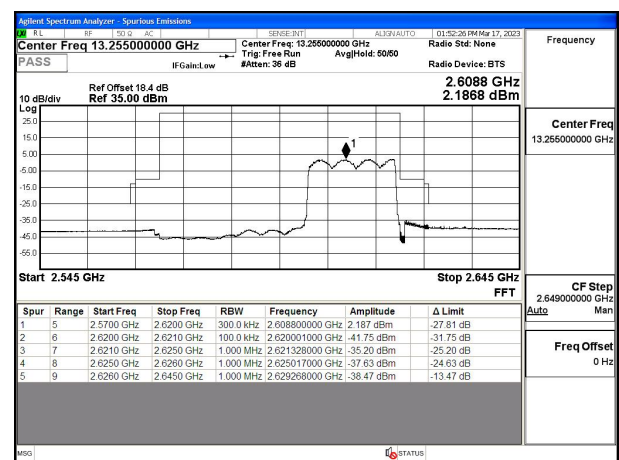


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm)		Low Channel QPSK	
		5M	10M	15M	20M
-10	NV	-0.001	-0.002	-0.003	0.001
0	NV	-0.001	0.003	-0.003	-0.003
+10	NV	-0.002	0.001	-0.002	-0.001
+20	NV	-0.001	-0.001	-0.002	-0.003
+30	NV	-0.001	-0.002	-0.002	-0.002
+40	NV	0.000	-0.001	-0.002	-0.002
+50	NV	0.001	-0.002	-0.001	-0.002
+55	NV	-0.002	-0.002	0.007	-0.002
+20	LV	-0.001	-0.001	-0.003	-0.002
+20	HV	0.001	0.002	-0.003	-0.002

Temperature(°C)	Voltage	Test Result (ppm)		High Channel QPSK	
		5M	10M	15M	20M
-10	NV	-0.001	-0.014	-0.003	0.001
0	NV	-0.003	-0.005	-0.002	-0.003
+10	NV	-0.002	0.002	-0.004	-0.001
+20	NV	-0.003	-0.003	-0.002	-0.007
+30	NV	0.002	-0.003	0.002	-0.003
+40	NV	0.001	-0.002	-0.001	0.002
+50	NV	0.002	-0.001	-0.003	-0.002
+55	NV	-0.001	-0.004	0.004	-0.003
+20	LV	0.003	-0.004	-0.003	-0.002
+20	HV	-0.002	-0.004	-0.003	-0.002

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	23.03	21.43	0.139
QPSK	2572.5	37775	5	1	12	22.99	21.39	0.138
QPSK	2572.5	37775	5	1	24	23.26	21.66	0.147
QPSK	2572.5	37775	5	12	0	22.22	20.62	0.115
QPSK	2572.5	37775	5	12	7	22.32	20.72	0.118
QPSK	2572.5	37775	5	12	13	22.27	20.67	0.117
QPSK	2572.5	37775	5	25	0	22.40	20.80	0.120
QPSK	2595	38000	5	1	0	23.23	21.63	0.146
QPSK	2595	38000	5	1	12	23.25	21.65	0.146
QPSK	2595	38000	5	1	24	23.07	21.47	0.140
QPSK	2595	38000	5	12	0	22.05	20.45	0.111
QPSK	2595	38000	5	12	7	22.04	20.44	0.111
QPSK	2595	38000	5	12	13	22.11	20.51	0.112
QPSK	2595	38000	5	25	0	22.04	20.44	0.111
QPSK	2617.5	38225	5	1	0	22.73	21.13	0.130
QPSK	2617.5	38225	5	1	12	23.31	21.71	0.148
QPSK	2617.5	38225	5	1	24	22.72	21.12	0.129
QPSK	2617.5	38225	5	12	0	21.85	20.25	0.106
QPSK	2617.5	38225	5	12	7	21.95	20.35	0.108
QPSK	2617.5	38225	5	12	13	21.97	20.37	0.109
QPSK	2617.5	38225	5	25	0	21.84	20.24	0.106

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	22.36	20.76	0.119
16QAM	2572.5	37775	5	1	12	22.62	21.02	0.126
16QAM	2572.5	37775	5	1	24	22.57	20.97	0.125
16QAM	2572.5	37775	5	12	0	21.30	19.70	0.093
16QAM	2572.5	37775	5	12	7	21.50	19.90	0.098
16QAM	2572.5	37775	5	12	13	21.37	19.77	0.095
16QAM	2572.5	37775	5	25	0	21.41	19.81	0.096
16QAM	2595	38000	5	1	0	22.37	20.77	0.119
16QAM	2595	38000	5	1	12	22.55	20.95	0.124
16QAM	2595	38000	5	1	24	22.36	20.76	0.119
16QAM	2595	38000	5	12	0	21.16	19.56	0.090
16QAM	2595	38000	5	12	7	21.07	19.47	0.089
16QAM	2595	38000	5	12	13	21.19	19.59	0.091
16QAM	2595	38000	5	25	0	21.06	19.46	0.088
16QAM	2617.5	38225	5	1	0	22.36	20.76	0.119
16QAM	2617.5	38225	5	1	12	22.55	20.95	0.124
16QAM	2617.5	38225	5	1	24	22.14	20.54	0.113
16QAM	2617.5	38225	5	12	0	20.92	19.32	0.086
16QAM	2617.5	38225	5	12	7	20.91	19.31	0.085
16QAM	2617.5	38225	5	12	13	20.91	19.31	0.085
16QAM	2617.5	38225	5	25	0	20.93	19.33	0.086
64QAM	2572.5	37775	5	1	0	22.68	21.08	0.128
64QAM	2572.5	37775	5	1	12	22.97	21.37	0.137
64QAM	2572.5	37775	5	1	24	22.69	21.09	0.129
64QAM	2572.5	37775	5	12	0	21.27	19.67	0.093
64QAM	2572.5	37775	5	12	7	21.46	19.86	0.097
64QAM	2572.5	37775	5	12	13	21.29	19.69	0.093
64QAM	2572.5	37775	5	25	0	21.35	19.75	0.094
64QAM	2595	38000	5	1	0	22.36	20.76	0.119
64QAM	2595	38000	5	1	12	22.26	20.66	0.116
64QAM	2595	38000	5	1	24	22.14	20.54	0.113
64QAM	2595	38000	5	12	0	21.11	19.51	0.089
64QAM	2595	38000	5	12	7	21.15	19.55	0.090
64QAM	2595	38000	5	12	13	21.10	19.50	0.089
64QAM	2595	38000	5	25	0	21.10	19.50	0.089
64QAM	2617.5	38225	5	1	0	22.20	20.60	0.115
64QAM	2617.5	38225	5	1	12	21.95	20.35	0.108
64QAM	2617.5	38225	5	1	24	21.91	20.31	0.107
64QAM	2617.5	38225	5	12	0	20.95	19.35	0.086
64QAM	2617.5	38225	5	12	7	21.08	19.48	0.089
64QAM	2617.5	38225	5	12	13	20.93	19.33	0.086
64QAM	2617.5	38225	5	25	0	20.96	19.36	0.086

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	23.10	21.50	0.141
QPSK	2575	37800	10	1	25	23.13	21.53	0.142
QPSK	2575	37800	10	1	49	23.07	21.47	0.140
QPSK	2575	37800	10	25	0	22.24	20.64	0.116
QPSK	2575	37800	10	25	12	22.32	20.72	0.118
QPSK	2575	37800	10	25	25	22.26	20.66	0.116
QPSK	2575	37800	10	50	0	22.37	20.77	0.119
QPSK	2595	38000	10	1	0	23.28	21.68	0.147
QPSK	2595	38000	10	1	25	22.99	21.39	0.138
QPSK	2595	38000	10	1	49	22.94	21.34	0.136
QPSK	2595	38000	10	25	0	22.08	20.48	0.112
QPSK	2595	38000	10	25	12	22.04	20.44	0.111
QPSK	2595	38000	10	25	25	22.04	20.44	0.111
QPSK	2595	38000	10	50	0	21.98	20.38	0.109
QPSK	2615	38200	10	1	0	22.93	21.33	0.136
QPSK	2615	38200	10	1	25	22.73	21.13	0.130
QPSK	2615	38200	10	1	49	22.82	21.22	0.132
QPSK	2615	38200	10	25	0	21.83	20.23	0.105
QPSK	2615	38200	10	25	12	21.86	20.26	0.106
QPSK	2615	38200	10	25	25	21.86	20.26	0.106
QPSK	2615	38200	10	50	0	21.83	20.23	0.105

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	22.49	20.89	0.123
16QAM	2575	37800	10	1	25	22.68	21.08	0.128
16QAM	2575	37800	10	1	49	22.60	21.00	0.126
16QAM	2575	37800	10	25	0	21.33	19.73	0.094
16QAM	2575	37800	10	25	12	21.44	19.84	0.096
16QAM	2575	37800	10	25	25	21.37	19.77	0.095
16QAM	2575	37800	10	50	0	21.30	19.70	0.093
16QAM	2595	38000	10	1	0	22.82	21.22	0.132
16QAM	2595	38000	10	1	25	22.54	20.94	0.124
16QAM	2595	38000	10	1	49	22.65	21.05	0.127
16QAM	2595	38000	10	25	0	21.12	19.52	0.090
16QAM	2595	38000	10	25	12	21.14	19.54	0.090
16QAM	2595	38000	10	25	25	21.15	19.55	0.090
16QAM	2595	38000	10	50	0	21.12	19.52	0.090
16QAM	2615	38200	10	1	0	22.34	20.74	0.119
16QAM	2615	38200	10	1	25	22.12	20.52	0.113
16QAM	2615	38200	10	1	49	22.13	20.53	0.113
16QAM	2615	38200	10	25	0	20.81	19.21	0.083
16QAM	2615	38200	10	25	12	20.96	19.36	0.086
16QAM	2615	38200	10	25	25	20.91	19.31	0.085
16QAM	2615	38200	10	50	0	20.88	19.28	0.085
64QAM	2575	37800	10	1	0	22.48	20.88	0.122
64QAM	2575	37800	10	1	25	22.45	20.85	0.122
64QAM	2575	37800	10	1	49	22.16	20.56	0.114
64QAM	2575	37800	10	25	0	21.30	19.70	0.093
64QAM	2575	37800	10	25	12	21.43	19.83	0.096
64QAM	2575	37800	10	25	25	21.33	19.73	0.094
64QAM	2575	37800	10	50	0	21.29	19.69	0.093
64QAM	2595	38000	10	1	0	22.14	20.54	0.113
64QAM	2595	38000	10	1	25	22.08	20.48	0.112
64QAM	2595	38000	10	1	49	22.14	20.54	0.113
64QAM	2595	38000	10	25	0	21.16	19.56	0.090
64QAM	2595	38000	10	25	12	21.20	19.60	0.091
64QAM	2595	38000	10	25	25	21.05	19.45	0.088
64QAM	2595	38000	10	50	0	20.94	19.34	0.086
64QAM	2615	38200	10	1	0	21.78	20.18	0.104
64QAM	2615	38200	10	1	25	22.15	20.55	0.114
64QAM	2615	38200	10	1	49	22.18	20.58	0.114
64QAM	2615	38200	10	25	0	20.88	19.28	0.085
64QAM	2615	38200	10	25	12	20.90	19.30	0.085
64QAM	2615	38200	10	25	25	21.02	19.42	0.087
64QAM	2615	38200	10	50	0	20.82	19.22	0.084

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	22.85	21.25	0.133
QPSK	2577.5	37825	15	1	37	22.89	21.29	0.135
QPSK	2577.5	37825	15	1	74	22.68	21.08	0.128
QPSK	2577.5	37825	15	36	0	22.15	20.55	0.114
QPSK	2577.5	37825	15	36	29	22.17	20.57	0.114
QPSK	2577.5	37825	15	36	30	22.18	20.58	0.114
QPSK	2577.5	37825	15	75	0	22.22	20.62	0.115
QPSK	2595	38000	15	1	0	23.08	21.48	0.141
QPSK	2595	38000	15	1	37	23.52	21.92	0.156
QPSK	2595	38000	15	1	74	23.24	21.64	0.146
QPSK	2595	38000	15	36	0	22.04	20.44	0.111
QPSK	2595	38000	15	36	29	21.86	20.26	0.106
QPSK	2595	38000	15	36	30	21.99	20.39	0.109
QPSK	2595	38000	15	75	0	21.93	20.33	0.108
QPSK	2612.5	38175	15	1	0	23.30	21.70	0.148
QPSK	2612.5	38175	15	1	37	23.28	21.68	0.147
QPSK	2612.5	38175	15	1	74	22.53	20.93	0.124
QPSK	2612.5	38175	15	36	0	21.69	20.09	0.102
QPSK	2612.5	38175	15	36	29	21.70	20.10	0.102
QPSK	2612.5	38175	15	36	30	21.75	20.15	0.104
QPSK	2612.5	38175	15	75	0	21.86	20.26	0.106

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	22.72	21.12	0.129
16QAM	2577.5	37825	15	1	37	22.45	20.85	0.122
16QAM	2577.5	37825	15	1	74	22.33	20.73	0.118
16QAM	2577.5	37825	15	36	0	21.45	19.85	0.097
16QAM	2577.5	37825	15	36	29	21.07	19.47	0.089
16QAM	2577.5	37825	15	36	30	21.16	19.56	0.090
16QAM	2577.5	37825	15	75	0	21.19	19.59	0.091
16QAM	2595	38000	15	1	0	22.15	20.55	0.114
16QAM	2595	38000	15	1	37	22.39	20.79	0.120
16QAM	2595	38000	15	1	74	21.81	20.21	0.105
16QAM	2595	38000	15	36	0	20.97	19.37	0.086
16QAM	2595	38000	15	36	29	20.85	19.25	0.084
16QAM	2595	38000	15	36	30	21.00	19.40	0.087
16QAM	2595	38000	15	75	0	20.95	19.35	0.086
16QAM	2612.5	38175	15	1	0	21.99	20.39	0.109
16QAM	2612.5	38175	15	1	37	21.95	20.35	0.108
16QAM	2612.5	38175	15	1	74	22.08	20.48	0.112
16QAM	2612.5	38175	15	36	0	20.86	19.26	0.084
16QAM	2612.5	38175	15	36	29	20.75	19.15	0.082
16QAM	2612.5	38175	15	36	30	20.86	19.26	0.084
16QAM	2612.5	38175	15	75	0	20.77	19.17	0.083
64QAM	2577.5	37825	15	1	0	22.50	20.90	0.123
64QAM	2577.5	37825	15	1	37	22.26	20.66	0.116
64QAM	2577.5	37825	15	1	74	22.00	20.40	0.110
64QAM	2577.5	37825	15	36	0	21.20	19.60	0.091
64QAM	2577.5	37825	15	36	29	21.12	19.52	0.090
64QAM	2577.5	37825	15	36	30	21.23	19.63	0.092
64QAM	2577.5	37825	15	75	0	21.30	19.70	0.093
64QAM	2595	38000	15	1	0	22.21	20.61	0.115
64QAM	2595	38000	15	1	37	22.00	20.40	0.110
64QAM	2595	38000	15	1	74	21.69	20.09	0.102
64QAM	2595	38000	15	36	0	21.03	19.43	0.088
64QAM	2595	38000	15	36	29	20.88	19.28	0.085
64QAM	2595	38000	15	36	30	21.02	19.42	0.087
64QAM	2595	38000	15	75	0	20.73	19.13	0.082
64QAM	2612.5	38175	15	1	0	21.88	20.28	0.107
64QAM	2612.5	38175	15	1	37	22.06	20.46	0.111
64QAM	2612.5	38175	15	1	74	21.94	20.34	0.108
64QAM	2612.5	38175	15	36	0	20.82	19.22	0.084
64QAM	2612.5	38175	15	36	29	20.77	19.17	0.083
64QAM	2612.5	38175	15	36	30	20.75	19.15	0.082
64QAM	2612.5	38175	15	75	0	20.89	19.29	0.085

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	23.69	22.09	0.162
QPSK	2580	37850	20	1	49	23.61	22.01	0.159
QPSK	2580	37850	20	1	99	23.43	21.83	0.152
QPSK	2580	37850	20	50	0	22.15	20.55	0.114
QPSK	2580	37850	20	50	24	22.26	20.66	0.116
QPSK	2580	37850	20	50	50	22.07	20.47	0.111
QPSK	2580	37850	20	100	0	22.22	20.62	0.115
QPSK	2595	38000	20	1	0	23.65	22.05	0.160
QPSK	2595	38000	20	1	49	22.72	21.12	0.129
QPSK	2595	38000	20	1	99	23.28	21.68	0.147
QPSK	2595	38000	20	50	0	22.09	20.49	0.112
QPSK	2595	38000	20	50	24	21.90	20.30	0.107
QPSK	2595	38000	20	50	50	21.89	20.29	0.107
QPSK	2595	38000	20	100	0	21.85	20.25	0.106
QPSK	2610	38150	20	1	0	22.81	21.21	0.132
QPSK	2610	38150	20	1	49	22.53	20.93	0.124
QPSK	2610	38150	20	1	99	22.38	20.78	0.120
QPSK	2610	38150	20	50	0	21.81	20.21	0.105
QPSK	2610	38150	20	50	24	21.74	20.14	0.103
QPSK	2610	38150	20	50	50	21.75	20.15	0.104
QPSK	2610	38150	20	100	0	21.69	20.09	0.102

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	22.12	20.52	0.113
16QAM	2580	37850	20	1	49	22.46	20.86	0.122
16QAM	2580	37850	20	1	99	22.35	20.75	0.119
16QAM	2580	37850	20	50	0	21.20	19.60	0.091
16QAM	2580	37850	20	50	24	21.29	19.69	0.093
16QAM	2580	37850	20	50	50	21.08	19.48	0.089
16QAM	2580	37850	20	100	0	21.24	19.64	0.092
16QAM	2595	38000	20	1	0	22.21	20.61	0.115
16QAM	2595	38000	20	1	49	22.33	20.73	0.118
16QAM	2595	38000	20	1	99	22.29	20.69	0.117
16QAM	2595	38000	20	50	0	21.04	19.44	0.088
16QAM	2595	38000	20	50	24	20.98	19.38	0.087
16QAM	2595	38000	20	50	50	21.01	19.41	0.087
16QAM	2595	38000	20	100	0	21.06	19.46	0.088
16QAM	2610	38150	20	1	0	21.97	20.37	0.109
16QAM	2610	38150	20	1	49	21.88	20.28	0.107
16QAM	2610	38150	20	1	99	21.84	20.24	0.106
16QAM	2610	38150	20	50	0	20.83	19.23	0.084
16QAM	2610	38150	20	50	24	20.74	19.14	0.082
16QAM	2610	38150	20	50	50	20.76	19.16	0.082
16QAM	2610	38150	20	100	0	20.85	19.25	0.084
64QAM	2580	37850	20	1	0	22.19	20.59	0.115
64QAM	2580	37850	20	1	49	21.88	20.28	0.107
64QAM	2580	37850	20	1	99	21.81	20.21	0.105
64QAM	2580	37850	20	50	0	21.19	19.59	0.091
64QAM	2580	37850	20	50	24	21.27	19.67	0.093
64QAM	2580	37850	20	50	50	21.19	19.59	0.091
64QAM	2580	37850	20	100	0	21.10	19.50	0.089
64QAM	2595	38000	20	1	0	22.36	20.76	0.119
64QAM	2595	38000	20	1	49	21.85	20.25	0.106
64QAM	2595	38000	20	1	99	21.97	20.37	0.109
64QAM	2595	38000	20	50	0	20.99	19.39	0.087
64QAM	2595	38000	20	50	24	20.98	19.38	0.087
64QAM	2595	38000	20	50	50	20.81	19.21	0.083
64QAM	2595	38000	20	100	0	20.92	19.32	0.086
64QAM	2610	38150	20	1	0	22.47	20.87	0.122
64QAM	2610	38150	20	1	49	22.11	20.51	0.112
64QAM	2610	38150	20	1	99	21.80	20.20	0.105
64QAM	2610	38150	20	50	0	20.85	19.25	0.084
64QAM	2610	38150	20	50	24	20.82	19.22	0.084
64QAM	2610	38150	20	50	50	20.91	19.31	0.085
64QAM	2610	38150	20	100	0	20.80	19.20	0.083