

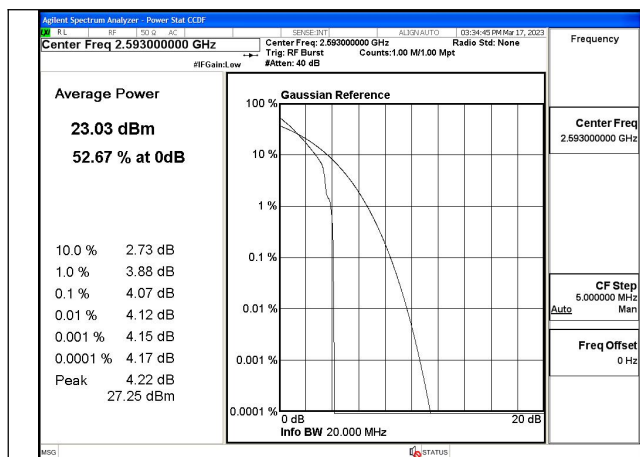


Fig.61

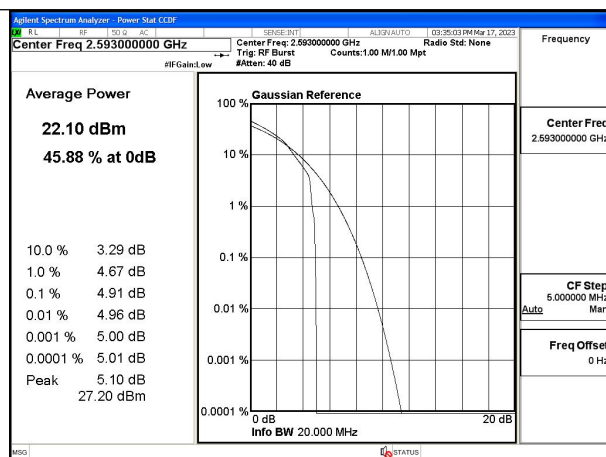


Fig.62

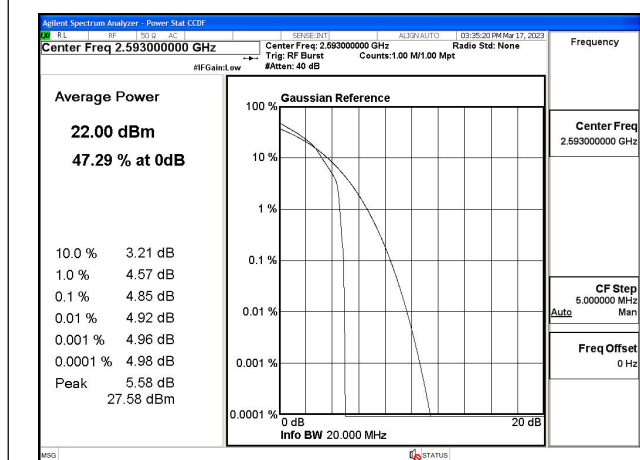


Fig.63

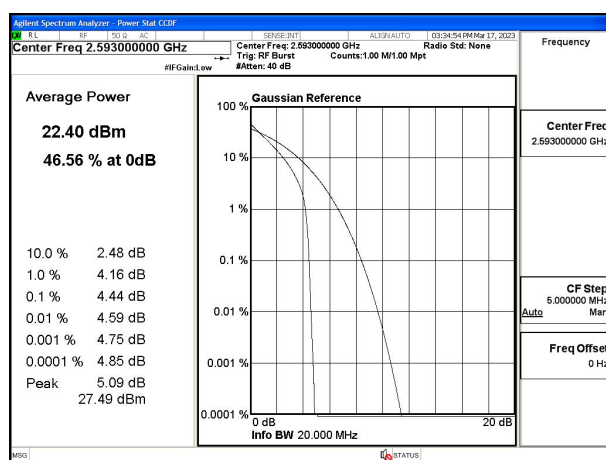


Fig.64

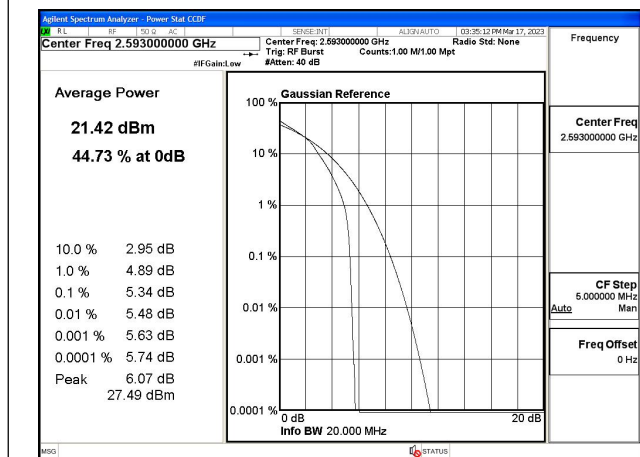


Fig.65

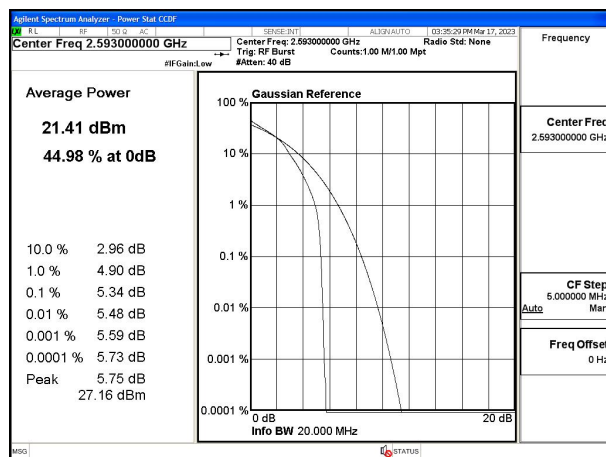


Fig.66

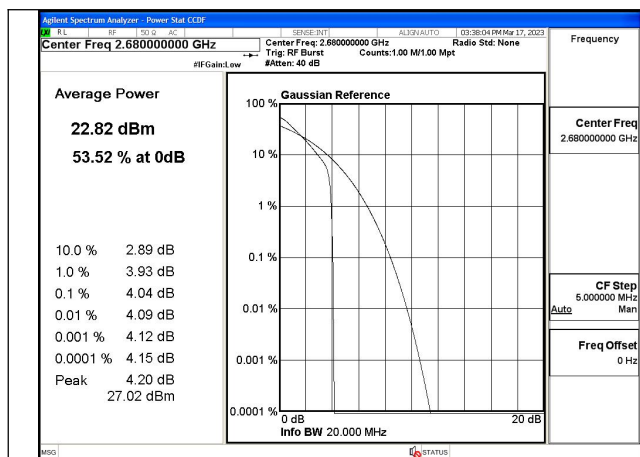


Fig.67

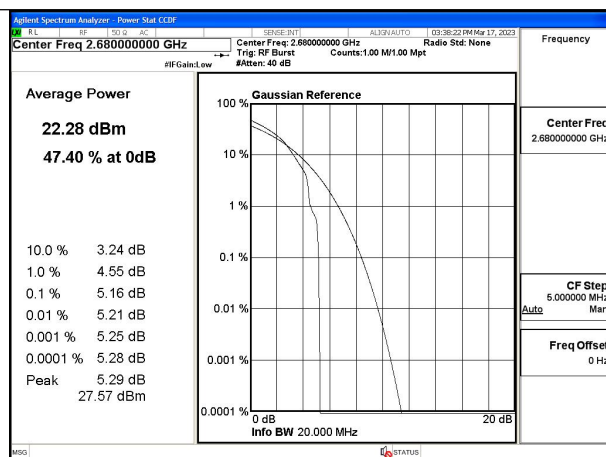


Fig.68

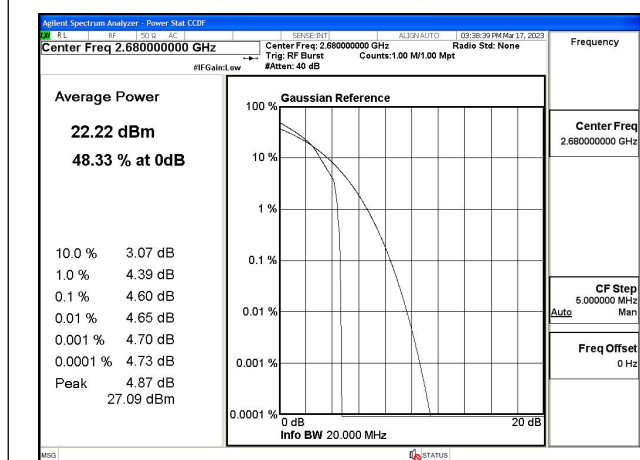


Fig.69

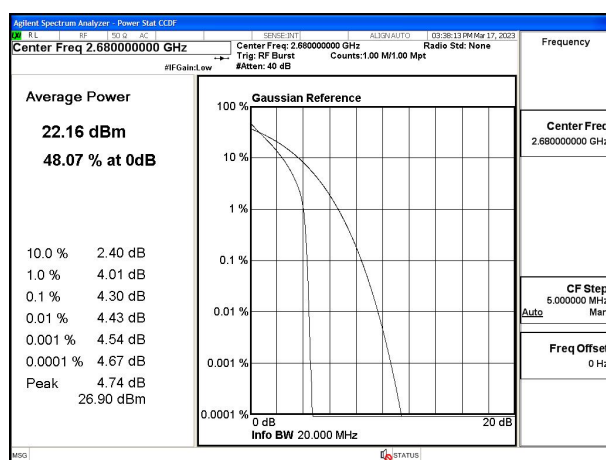


Fig.70

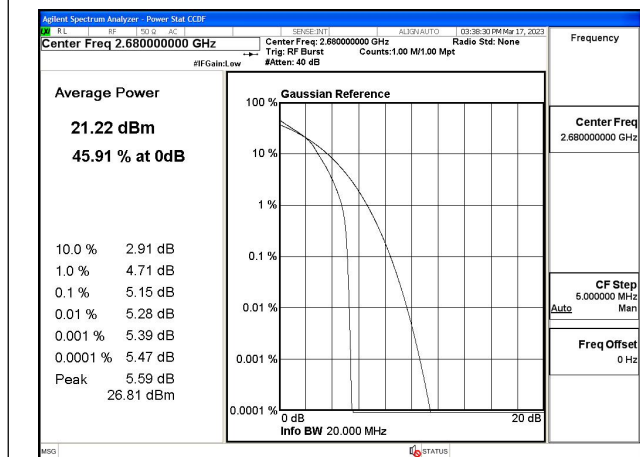


Fig.71

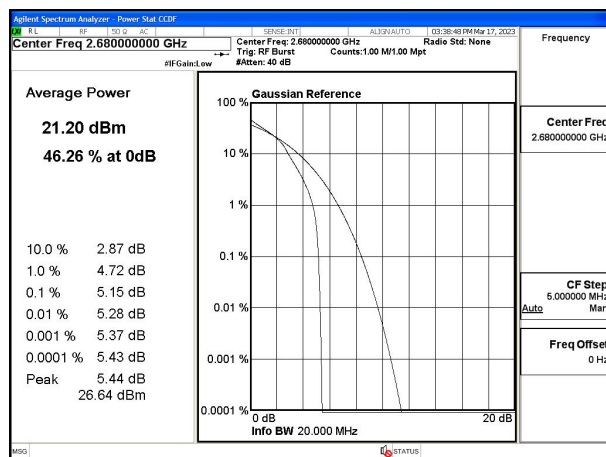


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot QPSK
41	2506	39750	20	1	0	Fig.1
41	2593	40620	20	1	0	Fig.2
41	2680	41490	20	1	0	Fig.3

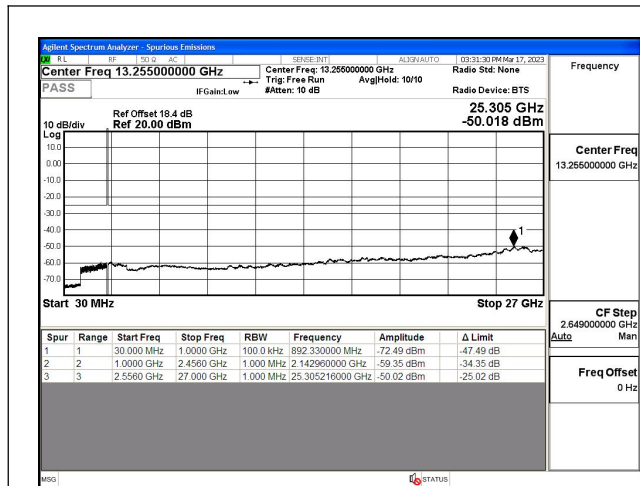


Fig.1

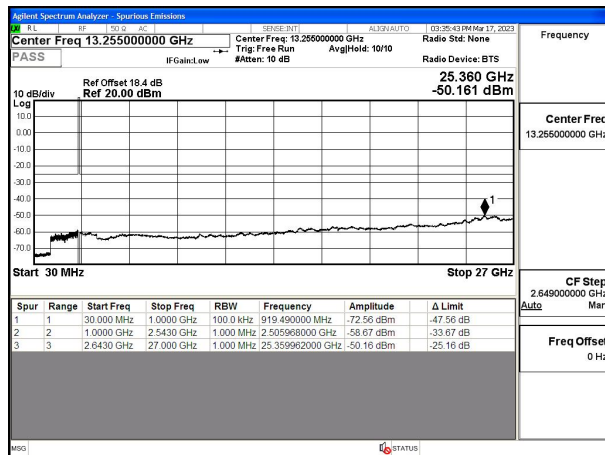


Fig.2

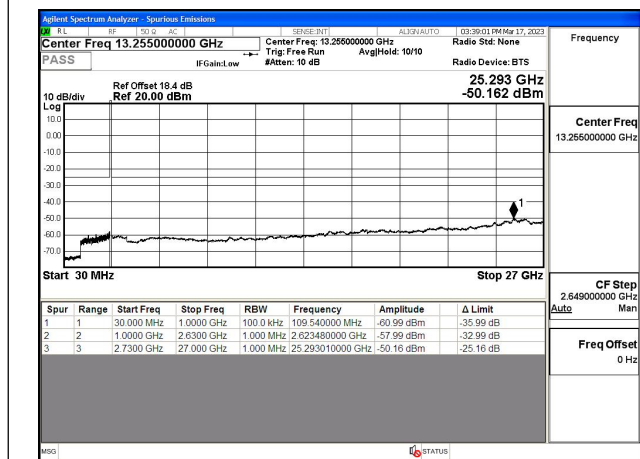


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
41	QPSK	2498.5	39675	5	1	0	Fig.1
41	QPSK	2498.5	39675	5	25	0	Fig.2
41	QPSK	2687.5	41565	5	1	24	Fig.3
41	QPSK	2687.5	41565	5	25	0	Fig.4
41	QPSK	2501	39700	10	1	0	Fig.5
41	QPSK	2501	39700	10	50	0	Fig.6
41	QPSK	2685	41540	10	1	49	Fig.7
41	QPSK	2685	41540	10	50	0	Fig.8
41	QPSK	2503.5	39725	15	1	0	Fig.9
41	QPSK	2503.5	39725	15	75	0	Fig.10
41	QPSK	2682.5	41515	15	1	74	Fig.11
41	QPSK	2682.5	41515	15	75	0	Fig.12
41	QPSK	2506	39750	20	1	0	Fig.13
41	QPSK	2506	39750	20	100	0	Fig.14
41	QPSK	2680	41490	20	1	99	Fig.15
41	QPSK	2680	41490	20	100	0	Fig.16

Test Mode: QPSK

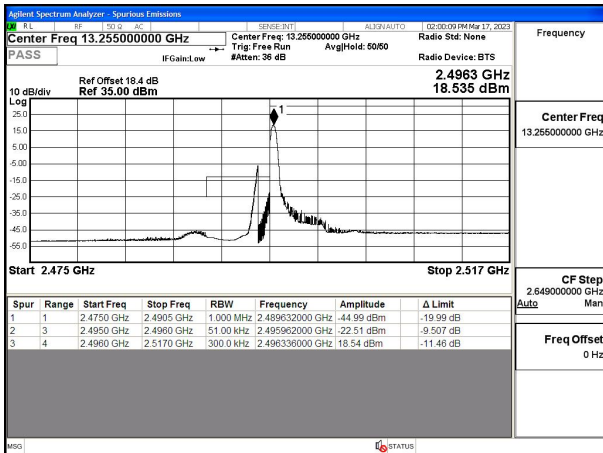


Fig.1

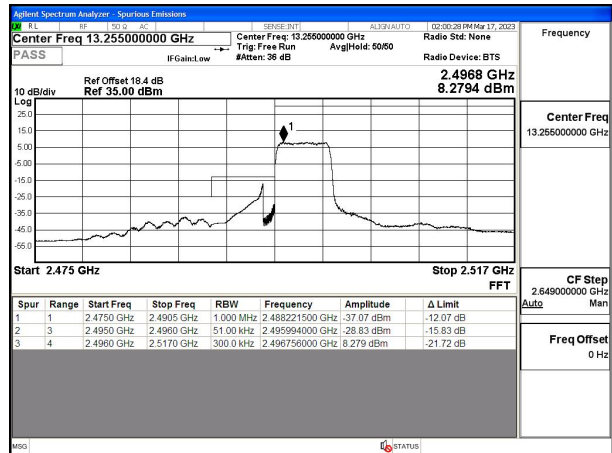


Fig.2

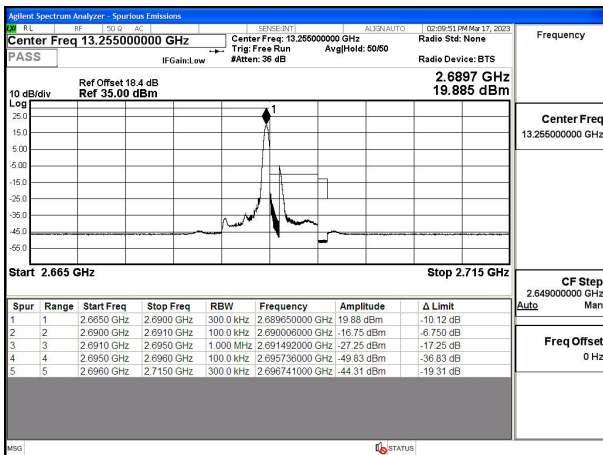


Fig.3

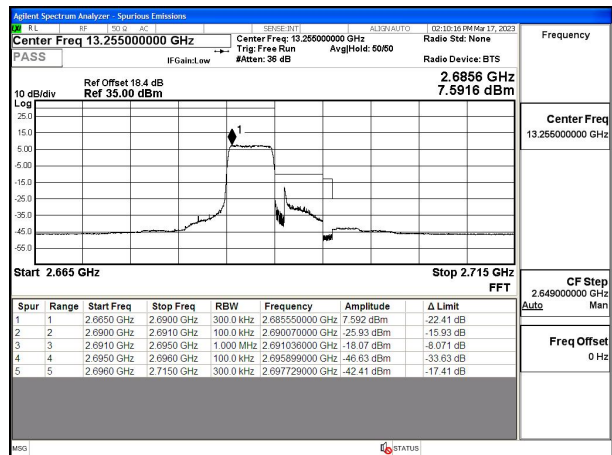


Fig.4

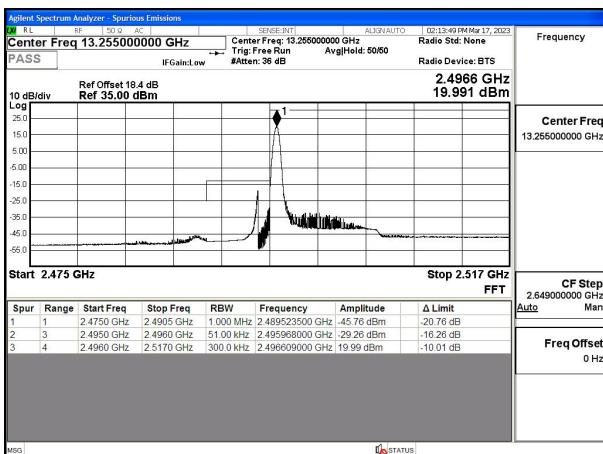


Fig.5

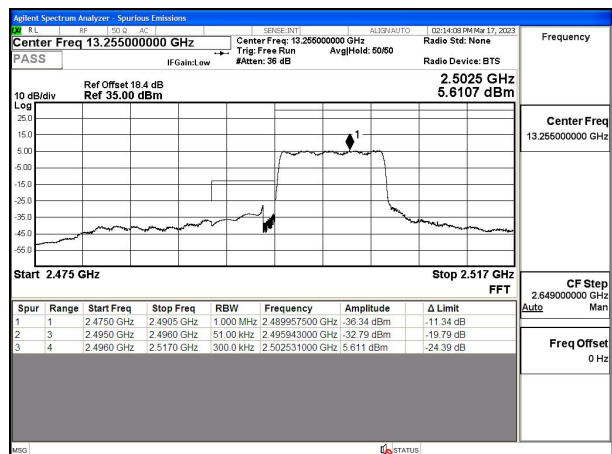


Fig.6

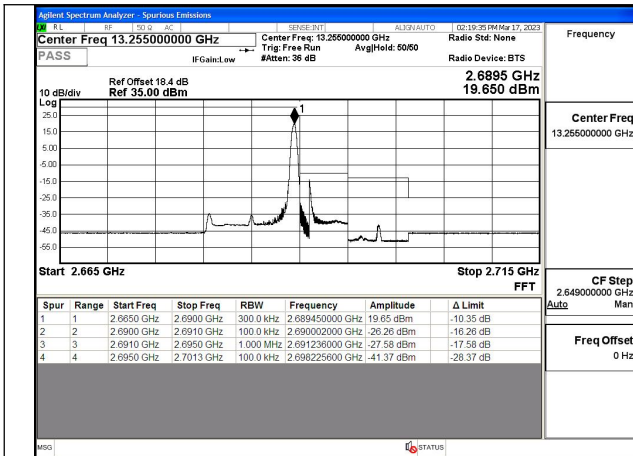


Fig.7

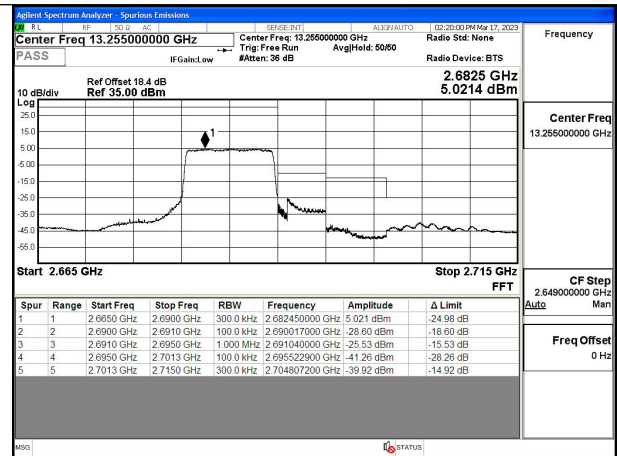


Fig.8

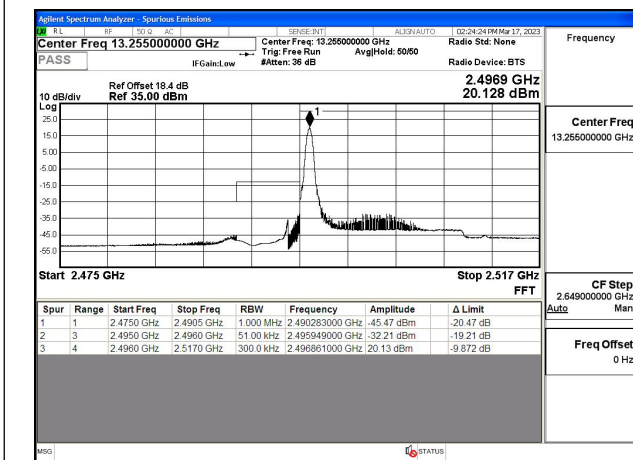


Fig.9

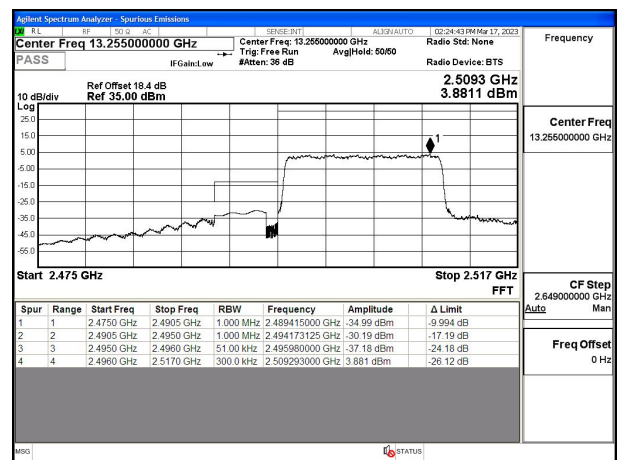


Fig.10

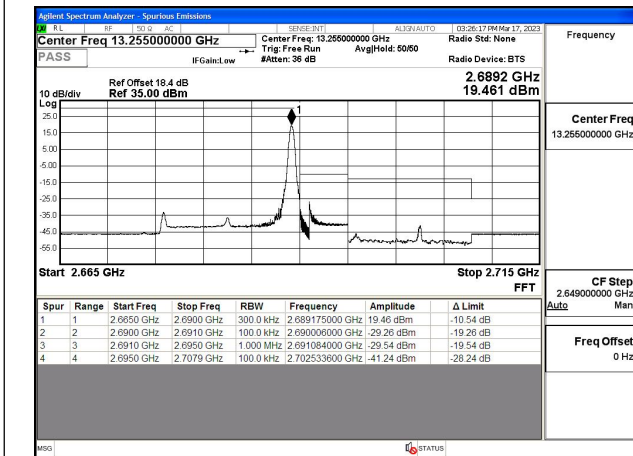


Fig.11

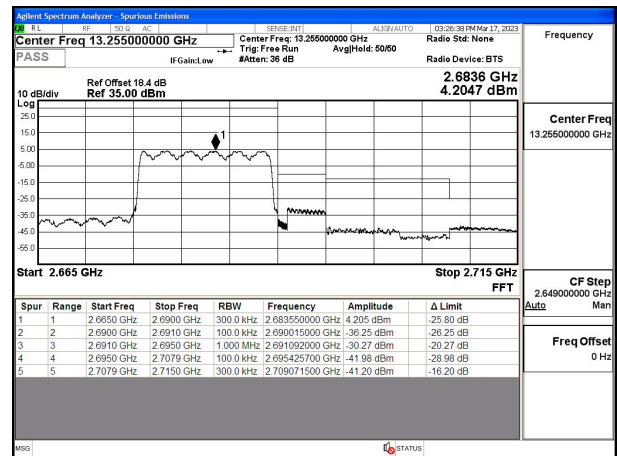


Fig.12

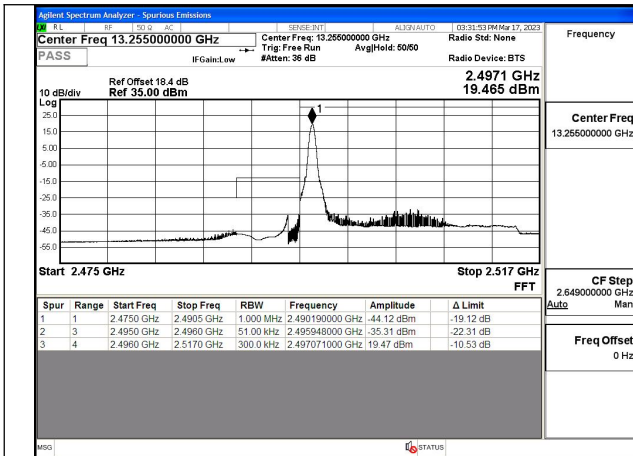


Fig.13

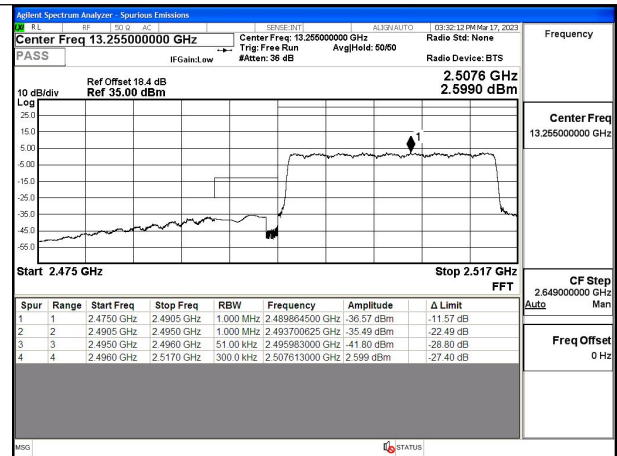


Fig.14

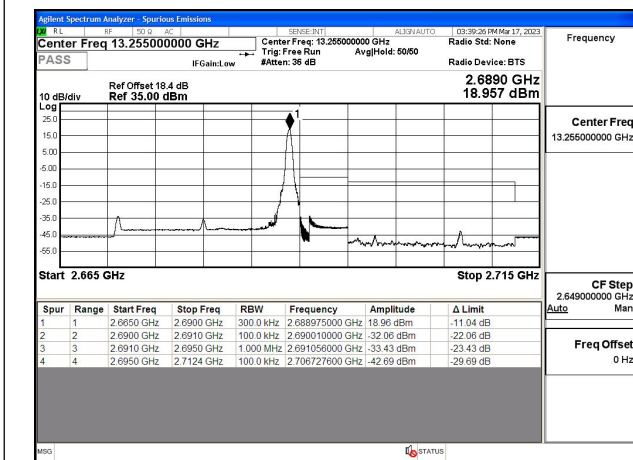


Fig.15

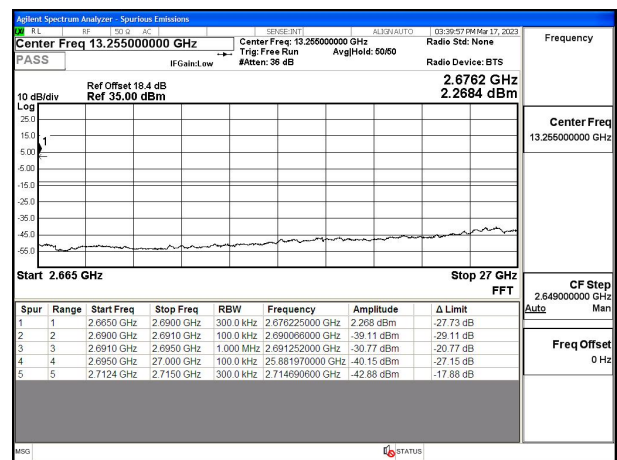


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.001	0.001	-0.002	-0.002
0	NV	-0.002	-0.003	-0.003	-0.003
+10	NV	-0.002	-0.003	-0.001	-0.002
+20	NV	-0.004	-0.002	-0.002	-0.003
+30	NV	-0.003	-0.003	-0.002	-0.003
+40	NV	0.001	-0.002	-0.002	-0.002
+50	NV	0.001	-0.001	-0.003	-0.002
+55	NV	0.003	0.002	-0.003	-0.003
+20	LV	0.002	-0.003	-0.001	-0.004
+20	HV	-0.003	-0.003	-0.003	0.000

Temperature(°C)	Voltage	Test Result (ppm) High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.002	-0.002	-0.001	-0.001
0	NV	-0.002	-0.001	-0.001	-0.002
+10	NV	0.000	-0.001	-0.001	-0.002
+20	NV	0.001	-0.001	0.000	-0.002
+30	NV	0.001	-0.002	-0.001	-0.001
+40	NV	-0.001	-0.002	-0.001	-0.004
+50	NV	0.001	-0.001	-0.003	-0.002
+55	NV	-0.001	-0.002	-0.001	0.001
+20	LV	-0.004	0.001	-0.002	-0.001
+20	HV	0.002	0.000	-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	2498.5	39675	5	1	0	23.50	21.90	0.155
QPSK	2498.5	39675	5	1	12	23.69	22.09	0.162
QPSK	2498.5	39675	5	1	24	23.51	21.91	0.155
QPSK	2498.5	39675	5	12	0	22.69	21.09	0.129
QPSK	2498.5	39675	5	12	7	22.78	21.18	0.131
QPSK	2498.5	39675	5	12	13	22.79	21.19	0.132
QPSK	2498.5	39675	5	25	0	22.74	21.14	0.130
QPSK	2593	40620	5	1	0	23.46	21.86	0.153
QPSK	2593	40620	5	1	12	23.61	22.01	0.159
QPSK	2593	40620	5	1	24	23.59	21.99	0.158
QPSK	2593	40620	5	12	0	22.45	20.85	0.122
QPSK	2593	40620	5	12	7	22.50	20.90	0.123
QPSK	2593	40620	5	12	13	22.48	20.88	0.122
QPSK	2593	40620	5	25	0	22.42	20.82	0.121
QPSK	2687.5	41565	5	1	0	23.01	21.41	0.138
QPSK	2687.5	41565	5	1	12	23.61	22.01	0.159
QPSK	2687.5	41565	5	1	24	23.41	21.81	0.152
QPSK	2687.5	41565	5	12	0	22.16	20.56	0.114
QPSK	2687.5	41565	5	12	7	22.14	20.54	0.113
QPSK	2687.5	41565	5	12	13	22.18	20.58	0.114
QPSK	2687.5	41565	5	25	0	22.11	20.51	0.112

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2498.5	39675	5	1	0	23.30	21.70	0.148
16QAM	2498.5	39675	5	1	12	23.05	21.45	0.140
16QAM	2498.5	39675	5	1	24	23.16	21.56	0.143
16QAM	2498.5	39675	5	12	0	21.73	20.13	0.103
16QAM	2498.5	39675	5	12	7	21.85	20.25	0.106
16QAM	2498.5	39675	5	12	13	21.77	20.17	0.104
16QAM	2498.5	39675	5	25	0	21.74	20.14	0.103
16QAM	2593	40620	5	1	0	23.00	21.40	0.138
16QAM	2593	40620	5	1	12	22.86	21.26	0.134
16QAM	2593	40620	5	1	24	22.83	21.23	0.133
16QAM	2593	40620	5	12	0	21.53	19.93	0.098
16QAM	2593	40620	5	12	7	21.56	19.96	0.099
16QAM	2593	40620	5	12	13	21.55	19.95	0.099
16QAM	2593	40620	5	25	0	21.55	19.95	0.099
16QAM	2687.5	41565	5	1	0	22.79	21.19	0.132
16QAM	2687.5	41565	5	1	12	22.51	20.91	0.123
16QAM	2687.5	41565	5	1	24	22.65	21.05	0.127
16QAM	2687.5	41565	5	12	0	21.12	19.52	0.090
16QAM	2687.5	41565	5	12	7	21.16	19.56	0.090
16QAM	2687.5	41565	5	12	13	21.19	19.59	0.091
16QAM	2687.5	41565	5	25	0	21.20	19.60	0.091
64QAM	2498.5	39675	5	1	0	22.63	21.03	0.127
64QAM	2498.5	39675	5	1	12	22.98	21.38	0.137
64QAM	2498.5	39675	5	1	24	23.05	21.45	0.140
64QAM	2498.5	39675	5	12	0	21.81	20.21	0.105
64QAM	2498.5	39675	5	12	7	21.72	20.12	0.103
64QAM	2498.5	39675	5	12	13	21.75	20.15	0.104
64QAM	2498.5	39675	5	25	0	21.86	20.26	0.106
64QAM	2593	40620	5	1	0	23.04	21.44	0.139
64QAM	2593	40620	5	1	12	22.60	21.00	0.126
64QAM	2593	40620	5	1	24	22.68	21.08	0.128
64QAM	2593	40620	5	12	0	21.63	20.03	0.101
64QAM	2593	40620	5	12	7	21.52	19.92	0.098
64QAM	2593	40620	5	12	13	21.44	19.84	0.096
64QAM	2593	40620	5	25	0	21.39	19.79	0.095
64QAM	2687.5	41565	5	1	0	22.50	20.90	0.123
64QAM	2687.5	41565	5	1	12	22.52	20.92	0.124
64QAM	2687.5	41565	5	1	24	22.47	20.87	0.122
64QAM	2687.5	41565	5	12	0	21.25	19.65	0.092
64QAM	2687.5	41565	5	12	7	21.27	19.67	0.093
64QAM	2687.5	41565	5	12	13	21.23	19.63	0.092
64QAM	2687.5	41565	5	25	0	21.12	19.52	0.090

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2501	39700	10	1	0	23.68	22.08	0.161
QPSK	2501	39700	10	1	25	23.59	21.99	0.158
QPSK	2501	39700	10	1	49	23.90	22.30	0.170
QPSK	2501	39700	10	25	0	22.64	21.04	0.127
QPSK	2501	39700	10	25	12	22.73	21.13	0.130
QPSK	2501	39700	10	25	25	22.72	21.12	0.129
QPSK	2501	39700	10	50	0	22.65	21.05	0.127
QPSK	2593	40620	10	1	0	23.79	22.19	0.166
QPSK	2593	40620	10	1	25	23.32	21.72	0.149
QPSK	2593	40620	10	1	49	23.34	21.74	0.149
QPSK	2593	40620	10	25	0	22.46	20.86	0.122
QPSK	2593	40620	10	25	12	22.51	20.91	0.123
QPSK	2593	40620	10	25	25	22.48	20.88	0.122
QPSK	2593	40620	10	50	0	22.41	20.81	0.121
QPSK	2685	41540	10	1	0	23.25	21.65	0.146
QPSK	2685	41540	10	1	25	23.42	21.82	0.152
QPSK	2685	41540	10	1	49	23.30	21.70	0.148
QPSK	2685	41540	10	25	0	22.16	20.56	0.114
QPSK	2685	41540	10	25	12	22.13	20.53	0.113
QPSK	2685	41540	10	25	25	22.20	20.60	0.115
QPSK	2685	41540	10	50	0	22.14	20.54	0.113

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2501	39700	10	1	0	23.17	21.57	0.144
16QAM	2501	39700	10	1	25	23.16	21.56	0.143
16QAM	2501	39700	10	1	49	23.42	21.82	0.152
16QAM	2501	39700	10	25	0	21.69	20.09	0.102
16QAM	2501	39700	10	25	12	21.76	20.16	0.104
16QAM	2501	39700	10	25	25	21.89	20.29	0.107
16QAM	2501	39700	10	50	0	21.67	20.07	0.102
16QAM	2593	40620	10	1	0	23.06	21.46	0.140
16QAM	2593	40620	10	1	25	22.87	21.27	0.134
16QAM	2593	40620	10	1	49	22.94	21.34	0.136
16QAM	2593	40620	10	25	0	21.60	20.00	0.100
16QAM	2593	40620	10	25	12	21.52	19.92	0.098
16QAM	2593	40620	10	25	25	21.50	19.90	0.098
16QAM	2593	40620	10	50	0	21.58	19.98	0.100
16QAM	2685	41540	10	1	0	22.81	21.21	0.132
16QAM	2685	41540	10	1	25	23.03	21.43	0.139
16QAM	2685	41540	10	1	49	22.57	20.97	0.125
16QAM	2685	41540	10	25	0	21.28	19.68	0.093
16QAM	2685	41540	10	25	12	21.26	19.66	0.092
16QAM	2685	41540	10	25	25	21.32	19.72	0.094
16QAM	2685	41540	10	50	0	21.19	19.59	0.091
64QAM	2501	39700	10	1	0	22.52	20.92	0.124
64QAM	2501	39700	10	1	25	22.61	21.01	0.126
64QAM	2501	39700	10	1	49	22.59	20.99	0.126
64QAM	2501	39700	10	25	0	21.67	20.07	0.102
64QAM	2501	39700	10	25	12	21.82	20.22	0.105
64QAM	2501	39700	10	25	25	21.68	20.08	0.102
64QAM	2501	39700	10	50	0	21.76	20.16	0.104
64QAM	2593	40620	10	1	0	22.83	21.23	0.133
64QAM	2593	40620	10	1	25	22.96	21.36	0.137
64QAM	2593	40620	10	1	49	22.53	20.93	0.124
64QAM	2593	40620	10	25	0	21.52	19.92	0.098
64QAM	2593	40620	10	25	12	21.51	19.91	0.098
64QAM	2593	40620	10	25	25	21.50	19.90	0.098
64QAM	2593	40620	10	50	0	21.39	19.79	0.095
64QAM	2685	41540	10	1	0	22.45	20.85	0.122
64QAM	2685	41540	10	1	25	22.28	20.68	0.117
64QAM	2685	41540	10	1	49	22.19	20.59	0.115
64QAM	2685	41540	10	25	0	21.21	19.61	0.091
64QAM	2685	41540	10	25	12	21.22	19.62	0.092
64QAM	2685	41540	10	25	25	21.28	19.68	0.093
64QAM	2685	41540	10	50	0	21.19	19.59	0.091

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2503.5	39725	15	1	0	24.08	22.48	0.177
QPSK	2503.5	39725	15	1	37	24.21	22.61	0.182
QPSK	2503.5	39725	15	1	74	23.39	21.79	0.151
QPSK	2503.5	39725	15	36	0	22.46	20.86	0.122
QPSK	2503.5	39725	15	36	29	22.55	20.95	0.124
QPSK	2503.5	39725	15	36	30	22.56	20.96	0.125
QPSK	2503.5	39725	15	75	0	22.75	21.15	0.130
QPSK	2593	40620	15	1	0	23.38	21.78	0.151
QPSK	2593	40620	15	1	37	23.27	21.67	0.147
QPSK	2593	40620	15	1	74	23.04	21.44	0.139
QPSK	2593	40620	15	36	0	22.44	20.84	0.121
QPSK	2593	40620	15	36	29	22.39	20.79	0.120
QPSK	2593	40620	15	36	30	22.37	20.77	0.119
QPSK	2593	40620	15	75	0	22.29	20.69	0.117
QPSK	2682.5	41515	15	1	0	23.65	22.05	0.160
QPSK	2682.5	41515	15	1	37	22.91	21.31	0.135
QPSK	2682.5	41515	15	1	74	23.52	21.92	0.156
QPSK	2682.5	41515	15	36	0	22.15	20.55	0.114
QPSK	2682.5	41515	15	36	29	22.09	20.49	0.112
QPSK	2682.5	41515	15	36	30	22.10	20.50	0.112
QPSK	2682.5	41515	15	75	0	22.12	20.52	0.113

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2503.5	39725	15	1	0	22.59	20.99	0.126
16QAM	2503.5	39725	15	1	37	23.04	21.44	0.139
16QAM	2503.5	39725	15	1	74	22.93	21.33	0.136
16QAM	2503.5	39725	15	36	0	21.46	19.86	0.097
16QAM	2503.5	39725	15	36	29	21.63	20.03	0.101
16QAM	2503.5	39725	15	36	30	21.60	20.00	0.100
16QAM	2503.5	39725	15	75	0	21.54	19.94	0.099
16QAM	2593	40620	15	1	0	22.49	20.89	0.123
16QAM	2593	40620	15	1	37	22.16	20.56	0.114
16QAM	2593	40620	15	1	74	23.05	21.45	0.140
16QAM	2593	40620	15	36	0	21.61	20.01	0.100
16QAM	2593	40620	15	36	29	21.40	19.80	0.095
16QAM	2593	40620	15	36	30	21.45	19.85	0.097
16QAM	2593	40620	15	75	0	21.41	19.81	0.096
16QAM	2682.5	41515	15	1	0	22.32	20.72	0.118
16QAM	2682.5	41515	15	1	37	23.13	21.53	0.142
16QAM	2682.5	41515	15	1	74	22.64	21.04	0.127
16QAM	2682.5	41515	15	36	0	21.29	19.69	0.093
16QAM	2682.5	41515	15	36	29	21.13	19.53	0.090
16QAM	2682.5	41515	15	36	30	21.22	19.62	0.092
16QAM	2682.5	41515	15	75	0	21.15	19.55	0.090
64QAM	2503.5	39725	15	1	0	22.33	20.73	0.118
64QAM	2503.5	39725	15	1	37	22.48	20.88	0.122
64QAM	2503.5	39725	15	1	74	22.74	21.14	0.130
64QAM	2503.5	39725	15	36	0	21.47	19.87	0.097
64QAM	2503.5	39725	15	36	29	21.66	20.06	0.101
64QAM	2503.5	39725	15	36	30	21.58	19.98	0.100
64QAM	2503.5	39725	15	75	0	21.64	20.04	0.101
64QAM	2593	40620	15	1	0	23.07	21.47	0.140
64QAM	2593	40620	15	1	37	22.44	20.84	0.121
64QAM	2593	40620	15	1	74	22.57	20.97	0.125
64QAM	2593	40620	15	36	0	21.50	19.90	0.098
64QAM	2593	40620	15	36	29	21.31	19.71	0.094
64QAM	2593	40620	15	36	30	21.49	19.89	0.097
64QAM	2593	40620	15	75	0	21.38	19.78	0.095
64QAM	2682.5	41515	15	1	0	22.76	21.16	0.131
64QAM	2682.5	41515	15	1	37	22.10	20.50	0.112
64QAM	2682.5	41515	15	1	74	21.76	20.16	0.104
64QAM	2682.5	41515	15	36	0	21.25	19.65	0.092
64QAM	2682.5	41515	15	36	29	21.18	19.58	0.091
64QAM	2682.5	41515	15	36	30	21.16	19.56	0.090
64QAM	2682.5	41515	15	75	0	21.09	19.49	0.089

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2506	39750	20	1	0	23.29	21.69	0.148
QPSK	2506	39750	20	1	49	23.48	21.88	0.154
QPSK	2506	39750	20	1	99	23.54	21.94	0.156
QPSK	2506	39750	20	50	0	22.59	20.99	0.126
QPSK	2506	39750	20	50	24	22.69	21.09	0.129
QPSK	2506	39750	20	50	50	22.81	21.21	0.132
QPSK	2506	39750	20	100	0	22.74	21.14	0.130
QPSK	2593	40620	20	1	0	24.29	22.69	0.186
QPSK	2593	40620	20	1	49	24.00	22.40	0.174
QPSK	2593	40620	20	1	99	23.31	21.71	0.148
QPSK	2593	40620	20	50	0	22.48	20.88	0.122
QPSK	2593	40620	20	50	24	22.38	20.78	0.120
QPSK	2593	40620	20	50	50	22.35	20.75	0.119
QPSK	2593	40620	20	100	0	22.40	20.80	0.120
QPSK	2680	41490	20	1	0	23.27	21.67	0.147
QPSK	2680	41490	20	1	49	23.67	22.07	0.161
QPSK	2680	41490	20	1	99	23.48	21.88	0.154
QPSK	2680	41490	20	50	0	22.20	20.60	0.115
QPSK	2680	41490	20	50	24	22.11	20.51	0.112
QPSK	2680	41490	20	50	50	22.13	20.53	0.113
QPSK	2680	41490	20	100	0	22.09	20.49	0.112

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2506	39750	20	1	0	22.91	21.31	0.135
16QAM	2506	39750	20	1	49	23.79	22.19	0.166
16QAM	2506	39750	20	1	99	23.25	21.65	0.146
16QAM	2506	39750	20	50	0	21.64	20.04	0.101
16QAM	2506	39750	20	50	24	21.75	20.15	0.104
16QAM	2506	39750	20	50	50	21.65	20.05	0.101
16QAM	2506	39750	20	100	0	21.75	20.15	0.104
16QAM	2593	40620	20	1	0	23.10	21.50	0.141
16QAM	2593	40620	20	1	49	22.53	20.93	0.124
16QAM	2593	40620	20	1	99	22.76	21.16	0.131
16QAM	2593	40620	20	50	0	21.57	19.97	0.099
16QAM	2593	40620	20	50	24	21.51	19.91	0.098
16QAM	2593	40620	20	50	50	21.29	19.69	0.093
16QAM	2593	40620	20	100	0	21.43	19.83	0.096
16QAM	2680	41490	20	1	0	22.71	21.11	0.129
16QAM	2680	41490	20	1	49	22.13	20.53	0.113
16QAM	2680	41490	20	1	99	21.93	20.33	0.108
16QAM	2680	41490	20	50	0	21.26	19.66	0.092
16QAM	2680	41490	20	50	24	21.18	19.58	0.091
16QAM	2680	41490	20	50	50	21.16	19.56	0.090
16QAM	2680	41490	20	100	0	21.14	19.54	0.090
64QAM	2506	39750	20	1	0	22.85	21.25	0.133
64QAM	2506	39750	20	1	49	22.73	21.13	0.130
64QAM	2506	39750	20	1	99	23.86	22.26	0.168
64QAM	2506	39750	20	50	0	21.60	20.00	0.100
64QAM	2506	39750	20	50	24	21.68	20.08	0.102
64QAM	2506	39750	20	50	50	21.75	20.15	0.104
64QAM	2506	39750	20	100	0	21.68	20.08	0.102
64QAM	2593	40620	20	1	0	22.52	20.92	0.124
64QAM	2593	40620	20	1	49	22.78	21.18	0.131
64QAM	2593	40620	20	1	99	22.49	20.89	0.123
64QAM	2593	40620	20	50	0	21.52	19.92	0.098
64QAM	2593	40620	20	50	24	21.41	19.81	0.096
64QAM	2593	40620	20	50	50	21.41	19.81	0.096
64QAM	2593	40620	20	100	0	21.35	19.75	0.094
64QAM	2680	41490	20	1	0	22.48	20.88	0.122
64QAM	2680	41490	20	1	49	22.18	20.58	0.114
64QAM	2680	41490	20	1	99	21.92	20.32	0.108
64QAM	2680	41490	20	50	0	21.12	19.52	0.090
64QAM	2680	41490	20	50	24	21.14	19.54	0.090
64QAM	2680	41490	20	50	50	21.16	19.56	0.090
64QAM	2680	41490	20	100	0	21.17	19.57	0.091