

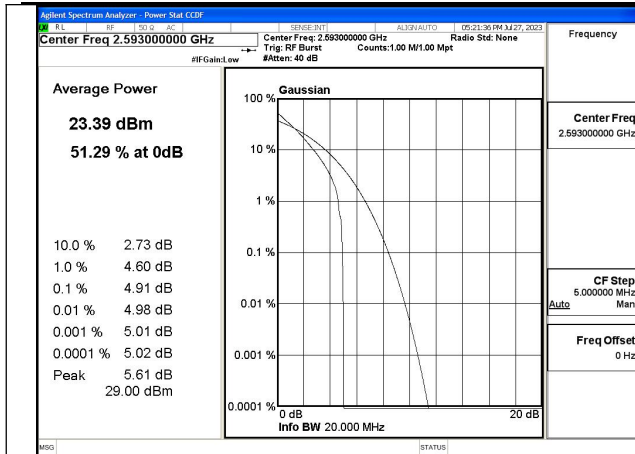


Fig.61

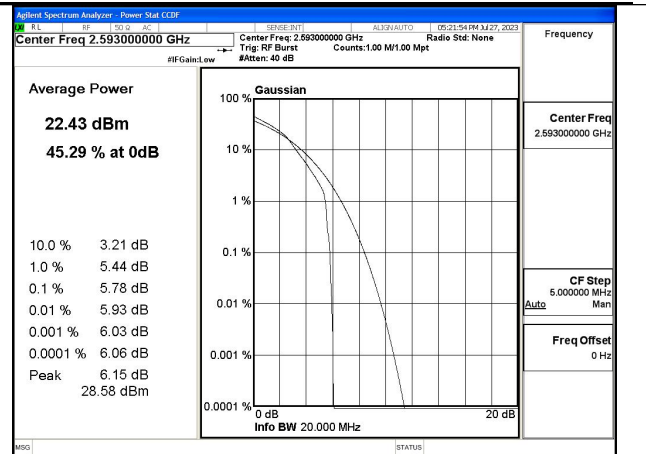


Fig.62

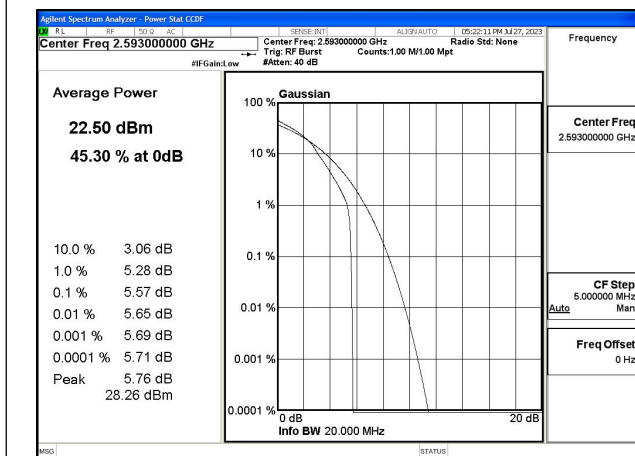


Fig.63

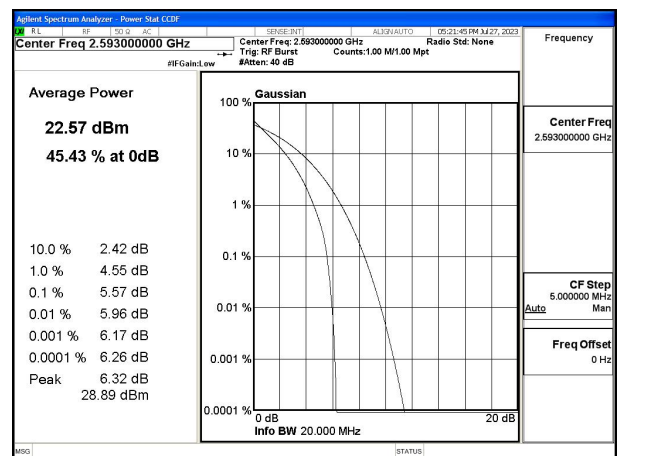


Fig.64

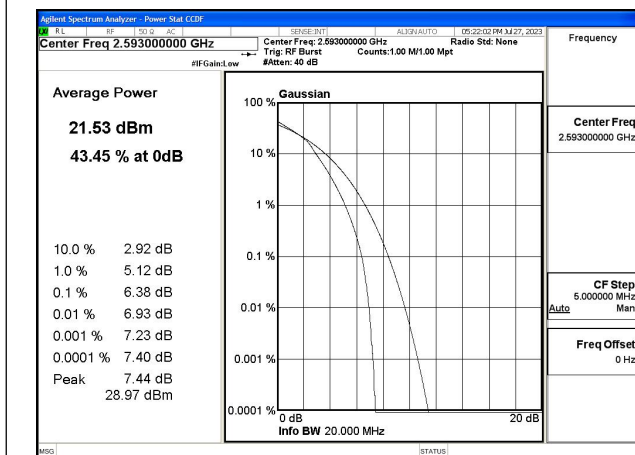


Fig.65

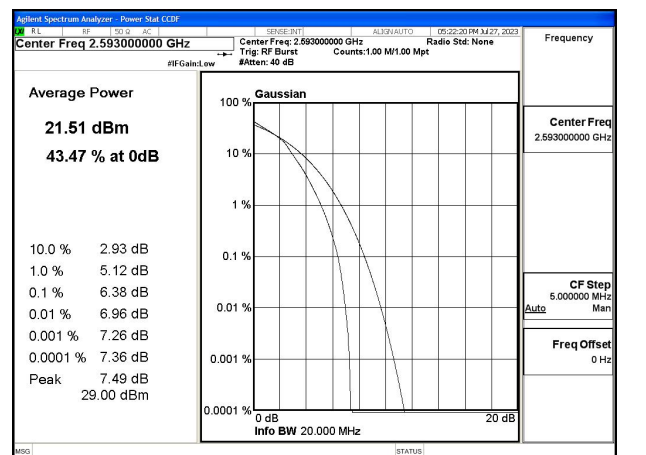


Fig.66

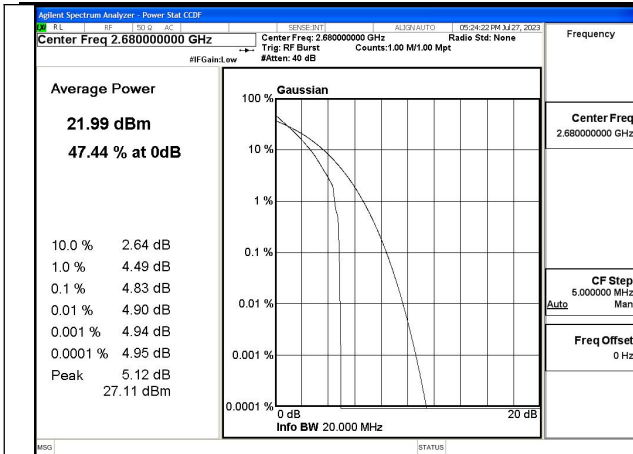


Fig.67

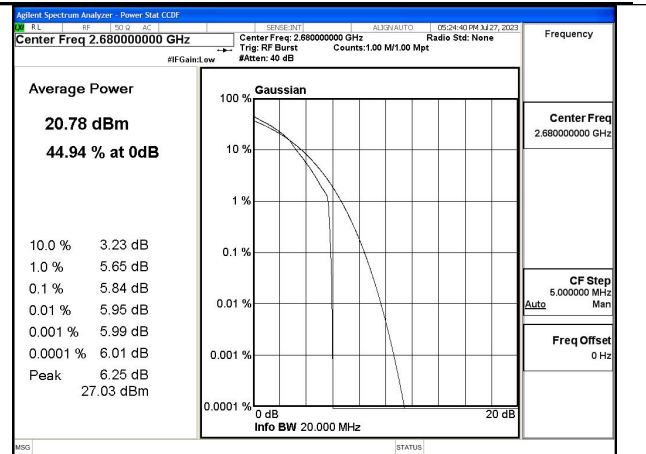


Fig.68

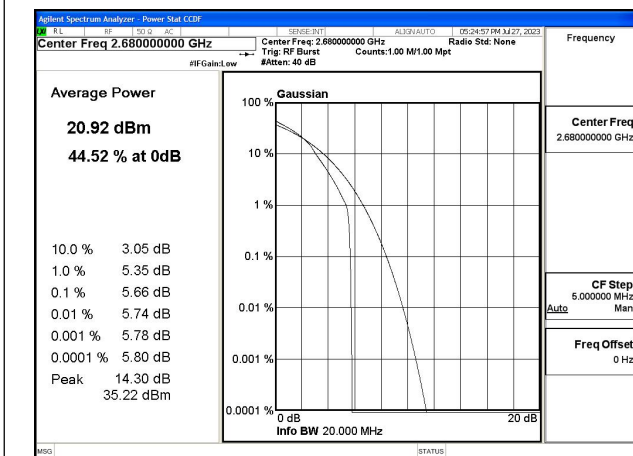


Fig.69

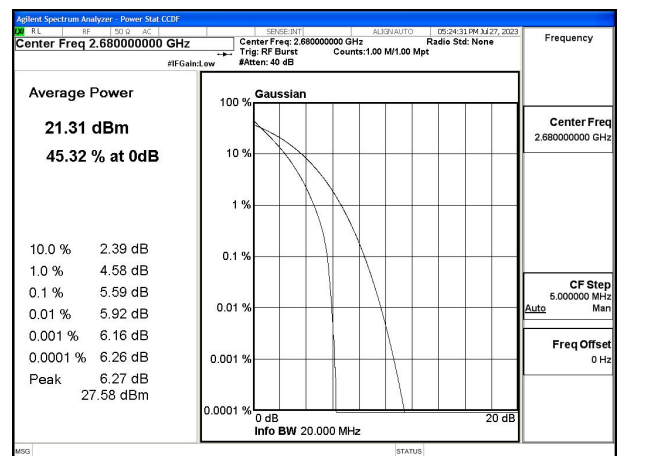


Fig.70

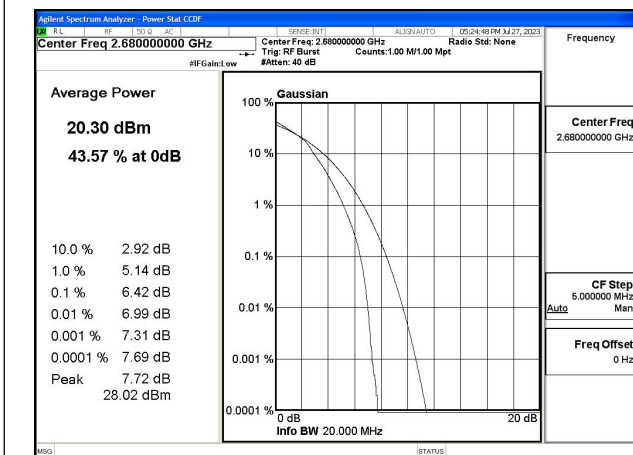


Fig.71

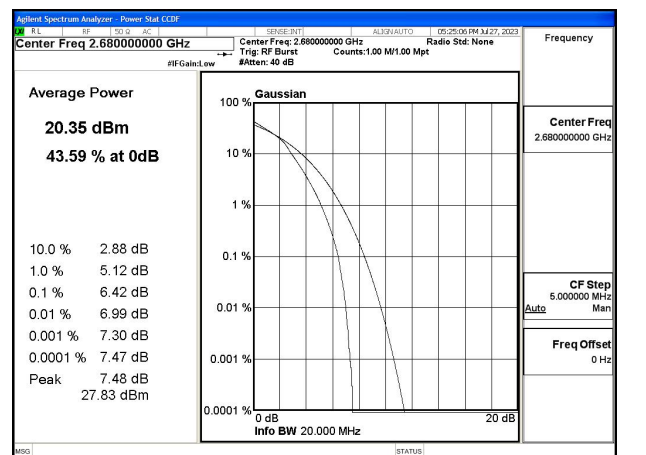


Fig.72

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

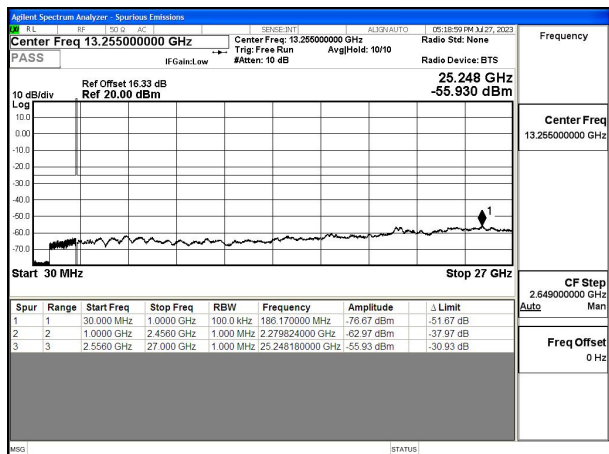


Fig.1

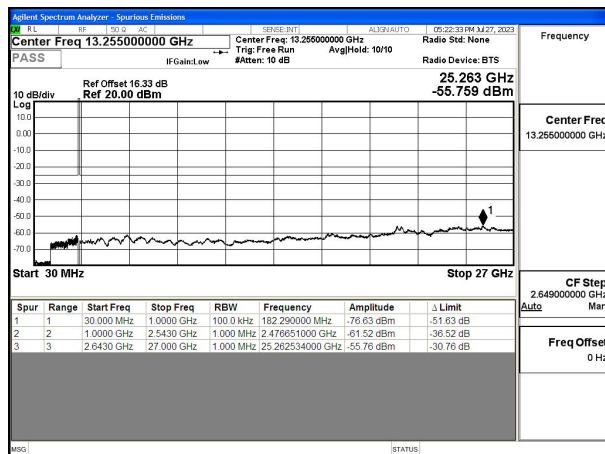


Fig.2

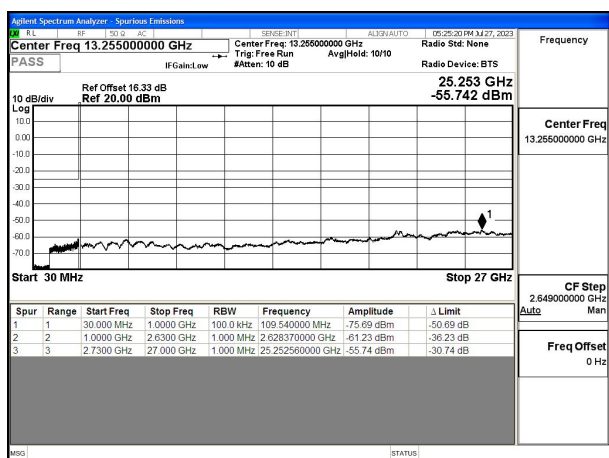


Fig.3

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

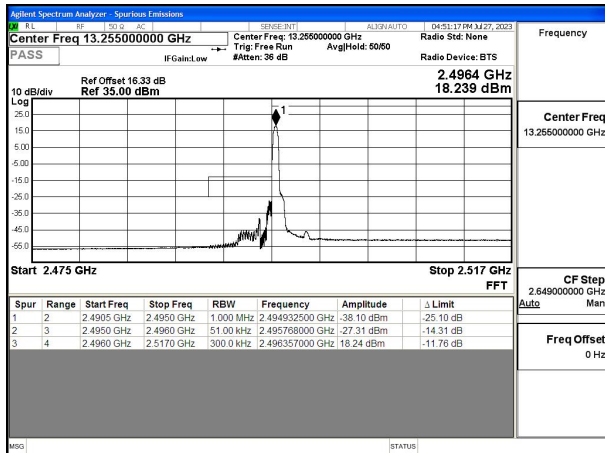


Fig.1

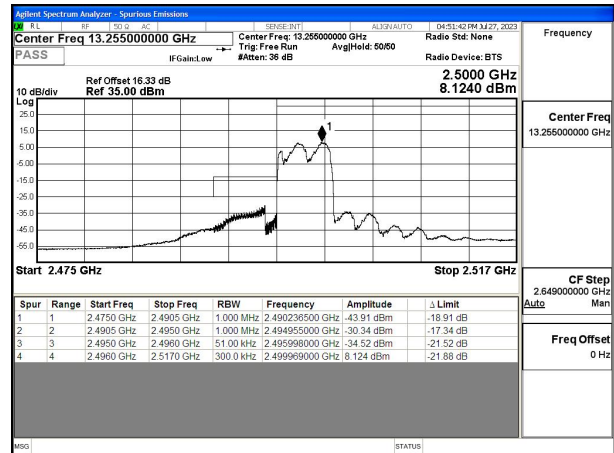


Fig.2

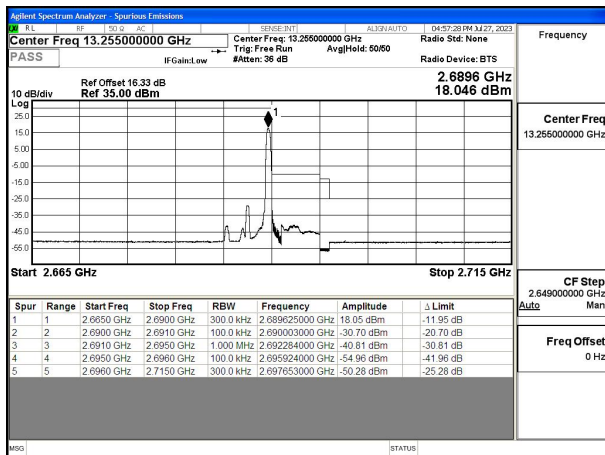


Fig.3

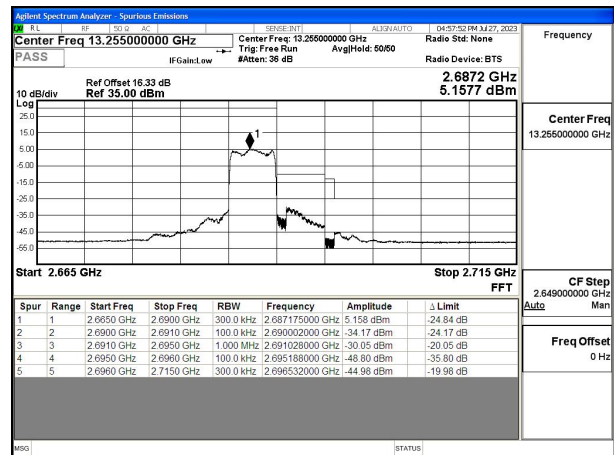


Fig.4

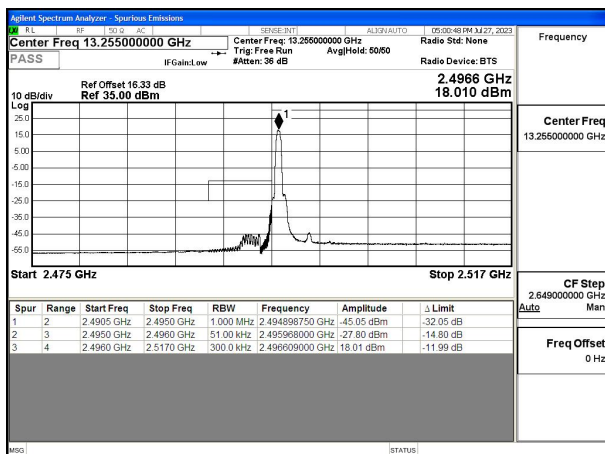


Fig.5

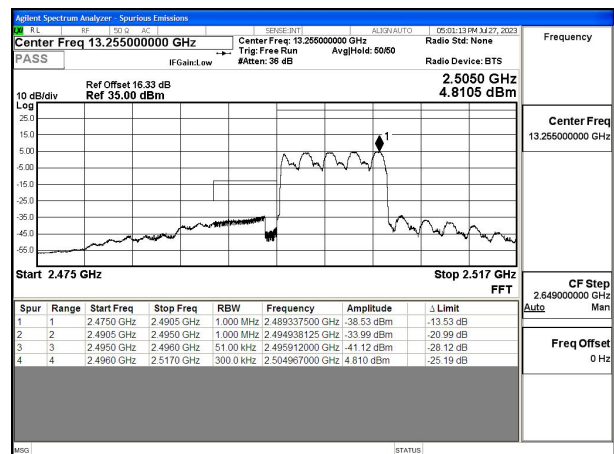


Fig.6

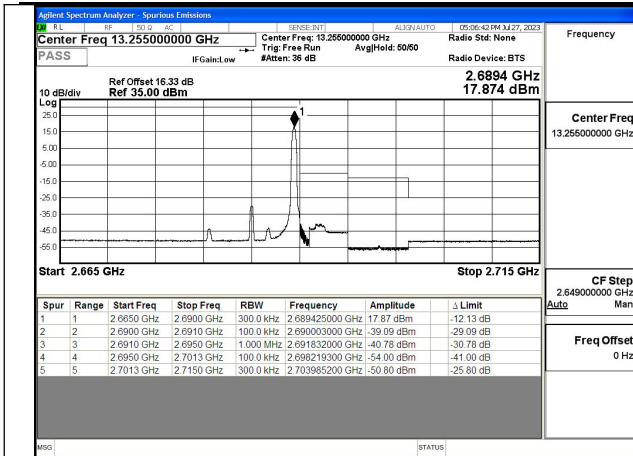


Fig.7

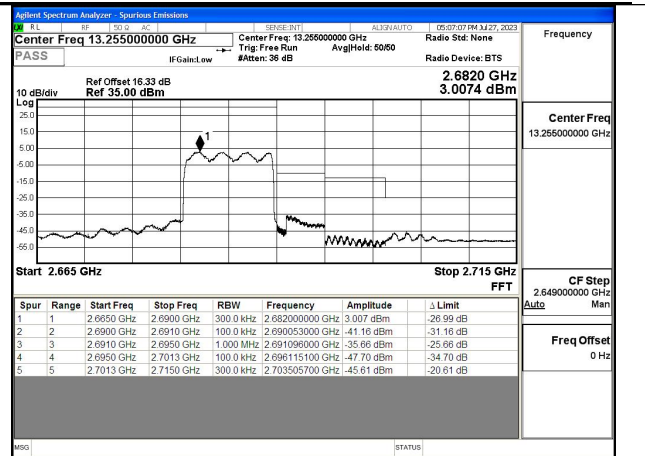


Fig.8

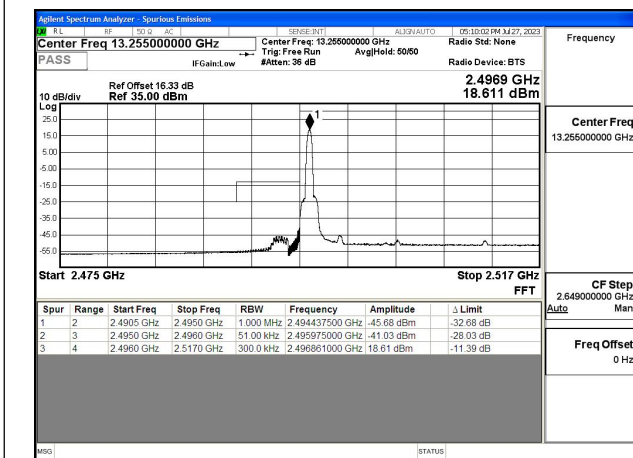


Fig.9

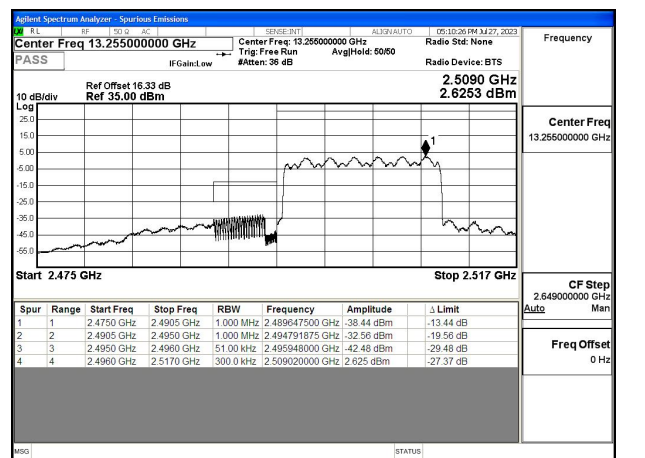


Fig.10

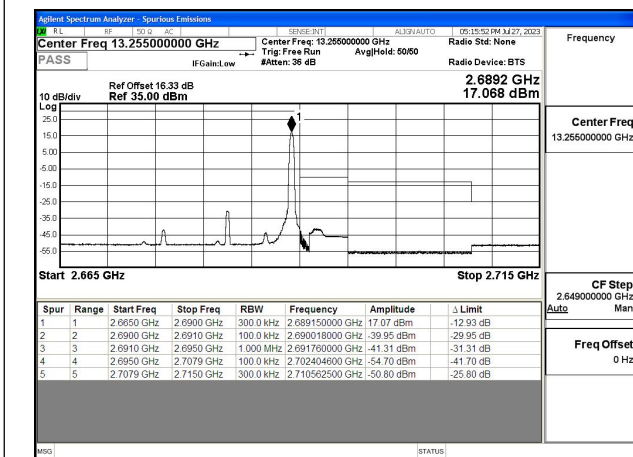


Fig.11

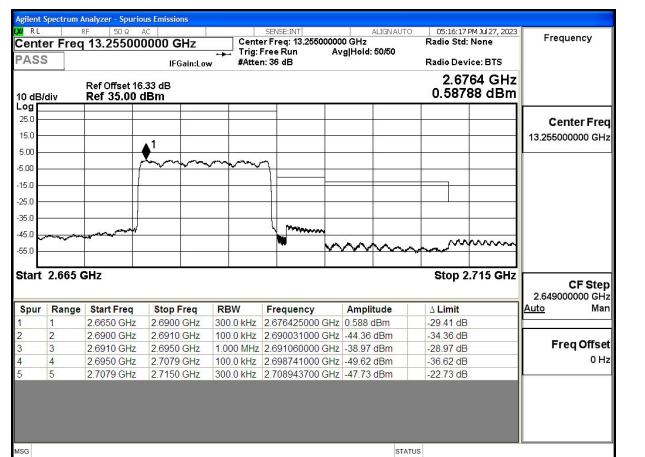


Fig.12

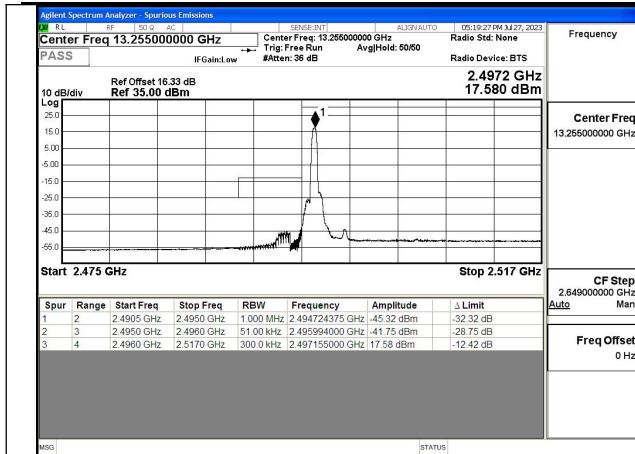


Fig.13

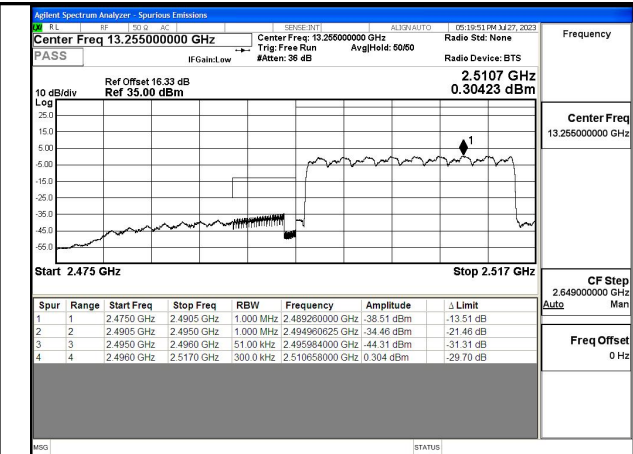


Fig.14

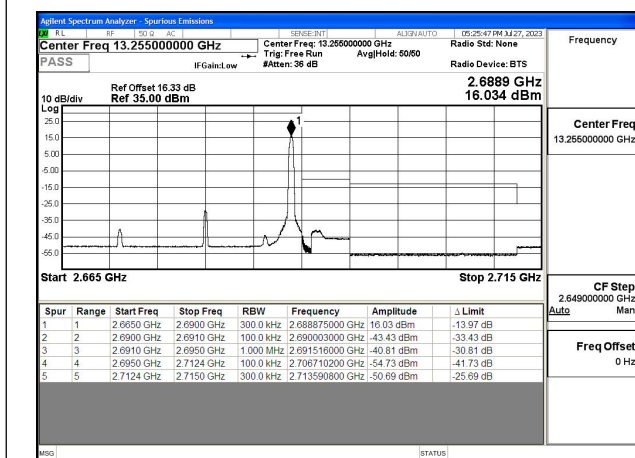


Fig.15

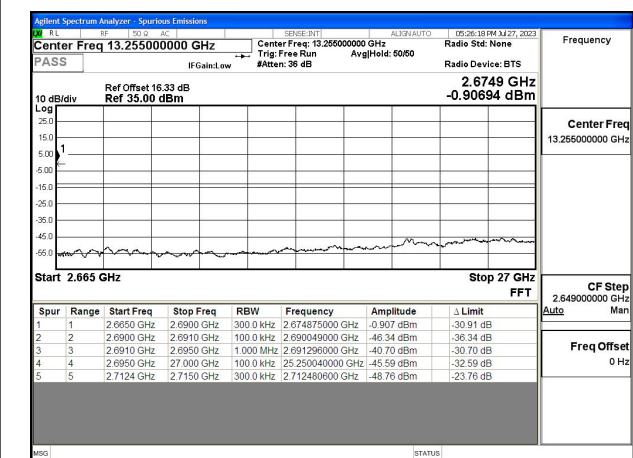


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 41 Low Channel QPSK			
		5M	10M	15M	20M
-30	NV	0.003	0.002	0.001	0.002
-20	NV	0.002	0.003	-0.002	0.002
-10	NV	0.002	0.002	-0.002	-0.002
0	NV	0.001	0.003	-0.003	-0.002
+10	NV	0.001	0.002	-0.002	-0.002
+20	NV	0.002	0.002	0.002	0.001
+30	NV	0.001	0.002	-0.003	-0.002
+40	NV	0.001	0.002	-0.002	-0.002
+50	NV	0.002	0.002	0.001	0.002
+20	LV	0.002	0.001	0.002	-0.003
+20	HV	0.003	0.001	-0.003	-0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 41 High Channel QPSK			
		5M	10M	15M	20M
-30	NV	0.001	0.000	-0.002	-0.001
-20	NV	0.001	0.000	-0.001	-0.001
-10	NV	0.001	0.001	0.000	-0.001
0	NV	0.001	0.001	0.000	-0.001
+10	NV	0.001	0.000	-0.001	0.000
+20	NV	0.001	0.001	0.001	-0.001
+30	NV	0.002	0.001	0.000	-0.001
+40	NV	0.001	0.001	-0.001	0.001
+50	NV	0.002	0.000	0.000	-0.001
+20	LV	0.002	0.000	0.000	0.001
+20	HV	0.001	0.001	-0.001	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	22.38	19.28	0.085
QPSK	2498.5	39675	5	1	12	22.95	19.85	0.097
QPSK	2498.5	39675	5	1	24	22.86	19.76	0.095
QPSK	2498.5	39675	5	12	0	22.29	19.19	0.083
QPSK	2498.5	39675	5	12	7	22.05	18.95	0.079
QPSK	2498.5	39675	5	12	13	21.89	18.79	0.076
QPSK	2498.5	39675	5	25	0	21.98	18.88	0.077
QPSK	2593	40620	5	1	0	22.18	19.08	0.081
QPSK	2593	40620	5	1	12	22.7	19.6	0.091
QPSK	2593	40620	5	1	24	22.74	19.64	0.092
QPSK	2593	40620	5	12	0	22.29	19.19	0.083
QPSK	2593	40620	5	12	7	22.43	19.33	0.086
QPSK	2593	40620	5	12	13	22.6	19.5	0.089
QPSK	2593	40620	5	25	0	22.44	19.34	0.086
QPSK	2687.5	41565	5	1	0	22.52	19.42	0.087
QPSK	2687.5	41565	5	1	12	22	18.9	0.078
QPSK	2687.5	41565	5	1	24	22.5	19.4	0.087
QPSK	2687.5	41565	5	12	0	22.85	19.75	0.094
QPSK	2687.5	41565	5	12	7	22.09	18.99	0.079
QPSK	2687.5	41565	5	12	13	22.18	19.08	0.081
QPSK	2687.5	41565	5	25	0	22.04	18.94	0.078

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	22.92	19.82	0.096
16QAM	2498.5	39675	5	1	12	22.41	19.31	0.085
16QAM	2498.5	39675	5	1	24	22.11	19.01	0.080
16QAM	2498.5	39675	5	12	0	21.22	18.12	0.065
16QAM	2498.5	39675	5	12	7	21.15	18.05	0.064
16QAM	2498.5	39675	5	12	13	20.95	17.85	0.061
16QAM	2498.5	39675	5	25	0	21.1	18	0.063
16QAM	2593	40620	5	1	0	22.55	19.45	0.088
16QAM	2593	40620	5	1	12	22.61	19.51	0.089
16QAM	2593	40620	5	1	24	22.2	19.1	0.081
16QAM	2593	40620	5	12	0	21.2	18.1	0.065
16QAM	2593	40620	5	12	7	21.34	18.24	0.067
16QAM	2593	40620	5	12	13	21.67	18.57	0.072
16QAM	2593	40620	5	25	0	21.47	18.37	0.069
16QAM	2687.5	41565	5	1	0	22.58	19.48	0.089
16QAM	2687.5	41565	5	1	12	22.76	19.66	0.092
16QAM	2687.5	41565	5	1	24	22.8	19.7	0.093
16QAM	2687.5	41565	5	12	0	21.84	18.74	0.075
16QAM	2687.5	41565	5	12	7	22.19	19.09	0.081
16QAM	2687.5	41565	5	12	13	22.24	19.14	0.082
16QAM	2687.5	41565	5	25	0	21.97	18.87	0.077
64QAM	2498.5	39675	5	1	0	22.69	19.59	0.091
64QAM	2498.5	39675	5	1	12	22.25	19.15	0.082
64QAM	2498.5	39675	5	1	24	21.79	18.69	0.074
64QAM	2498.5	39675	5	12	0	21.13	18.03	0.064
64QAM	2498.5	39675	5	12	7	20.96	17.86	0.061
64QAM	2498.5	39675	5	12	13	20.93	17.83	0.061
64QAM	2498.5	39675	5	25	0	21	17.9	0.062
64QAM	2593	40620	5	1	0	22.27	19.17	0.083
64QAM	2593	40620	5	1	12	22.45	19.35	0.086
64QAM	2593	40620	5	1	24	22.88	19.78	0.095
64QAM	2593	40620	5	12	0	21.37	18.27	0.067
64QAM	2593	40620	5	12	7	21.5	18.4	0.069
64QAM	2593	40620	5	12	13	21.64	18.54	0.071
64QAM	2593	40620	5	25	0	21.49	18.39	0.069
64QAM	2687.5	41565	5	1	0	22.49	19.39	0.087
64QAM	2687.5	41565	5	1	12	22.32	19.22	0.084
64QAM	2687.5	41565	5	1	24	22.32	19.22	0.084
64QAM	2687.5	41565	5	12	0	21.74	18.64	0.073
64QAM	2687.5	41565	5	12	7	22.17	19.07	0.081
64QAM	2687.5	41565	5	12	13	22.26	19.16	0.082
64QAM	2687.5	41565	5	25	0	21.94	18.84	0.077

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	22.52	19.42	0.087
QPSK	2501	39700	10	1	25	22.02	18.92	0.078
QPSK	2501	39700	10	1	49	22.79	19.69	0.093
QPSK	2501	39700	10	25	0	21.99	18.89	0.077
QPSK	2501	39700	10	25	12	21.95	18.85	0.077
QPSK	2501	39700	10	25	25	22.2	19.1	0.081
QPSK	2501	39700	10	50	0	22.04	18.94	0.078
QPSK	2593	40620	10	1	0	22.53	19.43	0.088
QPSK	2593	40620	10	1	25	22.46	19.36	0.086
QPSK	2593	40620	10	1	49	22.56	19.46	0.088
QPSK	2593	40620	10	25	0	22.36	19.26	0.084
QPSK	2593	40620	10	25	12	22.5	19.4	0.087
QPSK	2593	40620	10	25	25	22.91	19.81	0.096
QPSK	2593	40620	10	50	0	22.71	19.61	0.091
QPSK	2685	41540	10	1	0	21.94	18.84	0.077
QPSK	2685	41540	10	1	25	22.68	19.58	0.091
QPSK	2685	41540	10	1	49	22.39	19.29	0.085
QPSK	2685	41540	10	25	0	21.66	18.56	0.072
QPSK	2685	41540	10	25	12	22.29	19.19	0.083
QPSK	2685	41540	10	25	25	22.99	19.89	0.097
QPSK	2685	41540	10	50	0	22.33	19.23	0.084

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	22.63	19.53	0.090
16QAM	2501	39700	10	1	25	21.99	18.89	0.077
16QAM	2501	39700	10	1	49	22.3	19.2	0.083
16QAM	2501	39700	10	25	0	21.13	18.03	0.064
16QAM	2501	39700	10	25	12	21.1	18	0.063
16QAM	2501	39700	10	25	25	21.27	18.17	0.066
16QAM	2501	39700	10	50	0	21.06	17.96	0.063
16QAM	2593	40620	10	1	0	22.29	19.19	0.083
16QAM	2593	40620	10	1	25	22.07	18.97	0.079
16QAM	2593	40620	10	1	49	22.08	18.98	0.079
16QAM	2593	40620	10	25	0	21.39	18.29	0.067
16QAM	2593	40620	10	25	12	21.51	18.41	0.069
16QAM	2593	40620	10	25	25	22	18.9	0.078
16QAM	2593	40620	10	50	0	21.73	18.63	0.073
16QAM	2685	41540	10	1	0	21.15	18.05	0.064
16QAM	2685	41540	10	1	25	22.56	19.46	0.088
16QAM	2685	41540	10	1	49	22.7	19.6	0.091
16QAM	2685	41540	10	25	0	20.72	17.62	0.058
16QAM	2685	41540	10	25	12	21.32	18.22	0.066
16QAM	2685	41540	10	25	25	22.05	18.95	0.079
16QAM	2685	41540	10	50	0	21.32	18.22	0.066
64QAM	2501	39700	10	1	0	22.54	19.44	0.088
64QAM	2501	39700	10	1	25	21.79	18.69	0.074
64QAM	2501	39700	10	1	49	22.94	19.84	0.096
64QAM	2501	39700	10	25	0	21.11	18.01	0.063
64QAM	2501	39700	10	25	12	20.95	17.85	0.061
64QAM	2501	39700	10	25	25	21.33	18.23	0.067
64QAM	2501	39700	10	50	0	21.19	18.09	0.064
64QAM	2593	40620	10	1	0	22.11	19.01	0.080
64QAM	2593	40620	10	1	25	22.96	19.86	0.097
64QAM	2593	40620	10	1	49	22.96	19.86	0.097
64QAM	2593	40620	10	25	0	21.36	18.26	0.067
64QAM	2593	40620	10	25	12	21.54	18.44	0.070
64QAM	2593	40620	10	25	25	21.91	18.81	0.076
64QAM	2593	40620	10	50	0	21.7	18.6	0.072
64QAM	2685	41540	10	1	0	21.26	18.16	0.065
64QAM	2685	41540	10	1	25	22.39	19.29	0.085
64QAM	2685	41540	10	1	49	22.26	19.16	0.082
64QAM	2685	41540	10	25	0	20.72	17.62	0.058
64QAM	2685	41540	10	25	12	21.33	18.23	0.067
64QAM	2685	41540	10	25	25	22.04	18.94	0.078
64QAM	2685	41540	10	50	0	21.37	18.27	0.067

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	22.03	18.93	0.078
QPSK	2503.5	39725	15	1	37	22.35	19.25	0.084
QPSK	2503.5	39725	15	1	74	22.31	19.21	0.083
QPSK	2503.5	39725	15	36	0	21.93	18.83	0.076
QPSK	2503.5	39725	15	36	29	22.53	19.43	0.088
QPSK	2503.5	39725	15	36	30	22.59	19.49	0.089
QPSK	2503.5	39725	15	75	0	22.44	19.34	0.086
QPSK	2593	40620	15	1	0	22.41	19.31	0.085
QPSK	2593	40620	15	1	37	22.59	19.49	0.089
QPSK	2593	40620	15	1	74	22.18	19.08	0.081
QPSK	2593	40620	15	36	0	22.53	19.43	0.088
QPSK	2593	40620	15	36	29	22.75	19.65	0.092
QPSK	2593	40620	15	36	30	22.81	19.71	0.094
QPSK	2593	40620	15	75	0	22.81	19.71	0.094
QPSK	2682.5	41515	15	1	0	22.31	19.21	0.083
QPSK	2682.5	41515	15	1	37	22.83	19.73	0.094
QPSK	2682.5	41515	15	1	74	22.07	18.97	0.079
QPSK	2682.5	41515	15	36	0	20.77	17.67	0.058
QPSK	2682.5	41515	15	36	29	22.02	18.92	0.078
QPSK	2682.5	41515	15	36	30	22.17	19.07	0.081
QPSK	2682.5	41515	15	75	0	21.76	18.66	0.073

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	22.37	19.27	0.085
16QAM	2503.5	39725	15	1	37	22.28	19.18	0.083
16QAM	2503.5	39725	15	1	74	22.41	19.31	0.085
16QAM	2503.5	39725	15	36	0	20.91	17.81	0.060
16QAM	2503.5	39725	15	36	29	21.59	18.49	0.071
16QAM	2503.5	39725	15	36	30	21.64	18.54	0.071
16QAM	2503.5	39725	15	75	0	21.55	18.45	0.070
16QAM	2593	40620	15	1	0	22.49	19.39	0.087
16QAM	2593	40620	15	1	37	22.78	19.68	0.093
16QAM	2593	40620	15	1	74	22.21	19.11	0.081
16QAM	2593	40620	15	36	0	21.42	18.32	0.068
16QAM	2593	40620	15	36	29	21.74	18.64	0.073
16QAM	2593	40620	15	36	30	21.87	18.77	0.075
16QAM	2593	40620	15	75	0	21.83	18.73	0.075
16QAM	2682.5	41515	15	1	0	21.09	17.99	0.063
16QAM	2682.5	41515	15	1	37	21.68	18.58	0.072
16QAM	2682.5	41515	15	1	74	22.4	19.3	0.085
16QAM	2682.5	41515	15	36	0	19.8	16.7	0.047
16QAM	2682.5	41515	15	36	29	21.07	17.97	0.063
16QAM	2682.5	41515	15	36	30	21.08	17.98	0.063
16QAM	2682.5	41515	15	75	0	20.68	17.58	0.057
64QAM	2503.5	39725	15	1	0	22.29	19.19	0.083
64QAM	2503.5	39725	15	1	37	22.55	19.45	0.088
64QAM	2503.5	39725	15	1	74	22.67	19.57	0.091
64QAM	2503.5	39725	15	36	0	20.91	17.81	0.060
64QAM	2503.5	39725	15	36	29	21.69	18.59	0.072
64QAM	2503.5	39725	15	36	30	21.61	18.51	0.071
64QAM	2503.5	39725	15	75	0	21.43	18.33	0.068
64QAM	2593	40620	15	1	0	23.23	20.13	0.103
64QAM	2593	40620	15	1	37	21.94	18.84	0.077
64QAM	2593	40620	15	1	74	22.84	19.74	0.094
64QAM	2593	40620	15	36	0	21.5	18.4	0.069
64QAM	2593	40620	15	36	29	21.76	18.66	0.073
64QAM	2593	40620	15	36	30	21.85	18.75	0.075
64QAM	2593	40620	15	75	0	21.93	18.83	0.076
64QAM	2682.5	41515	15	1	0	20.96	17.86	0.061
64QAM	2682.5	41515	15	1	37	21.33	18.23	0.067
64QAM	2682.5	41515	15	1	74	22.37	19.27	0.085
64QAM	2682.5	41515	15	36	0	19.87	16.77	0.048
64QAM	2682.5	41515	15	36	29	21.04	17.94	0.062
64QAM	2682.5	41515	15	36	30	21.05	17.95	0.062
64QAM	2682.5	41515	15	75	0	20.68	17.58	0.057

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	22.49	19.39	0.087
QPSK	2506	39750	20	1	49	22.1	19	0.079
QPSK	2506	39750	20	1	99	22.3	19.2	0.083
QPSK	2506	39750	20	50	0	22.12	19.02	0.080
QPSK	2506	39750	20	50	24	22.7	19.6	0.091
QPSK	2506	39750	20	50	50	22.77	19.67	0.093
QPSK	2506	39750	20	100	0	22.38	19.28	0.085
QPSK	2593	40620	20	1	0	22.88	19.78	0.095
QPSK	2593	40620	20	1	49	22.54	19.44	0.088
QPSK	2593	40620	20	1	99	22.37	19.27	0.085
QPSK	2593	40620	20	50	0	22.79	19.69	0.093
QPSK	2593	40620	20	50	24	22.53	19.43	0.088
QPSK	2593	40620	20	50	50	22.34	19.24	0.084
QPSK	2593	40620	20	100	0	22	18.9	0.078
QPSK	2680	41490	20	1	0	22.36	19.26	0.084
QPSK	2680	41490	20	1	49	22.12	19.02	0.080
QPSK	2680	41490	20	1	99	22.48	19.38	0.087
QPSK	2680	41490	20	50	0	21.24	18.14	0.065
QPSK	2680	41490	20	50	24	21.07	17.97	0.063
QPSK	2680	41490	20	50	50	22.14	19.04	0.080
QPSK	2680	41490	20	100	0	21.66	18.56	0.072

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	22.28	19.18	0.083
16QAM	2506	39750	20	1	49	22.99	19.89	0.097
16QAM	2506	39750	20	1	99	22.11	19.01	0.080
16QAM	2506	39750	20	50	0	21.16	18.06	0.064
16QAM	2506	39750	20	50	24	21.75	18.65	0.073
16QAM	2506	39750	20	50	50	21.88	18.78	0.076
16QAM	2506	39750	20	100	0	21.47	18.37	0.069
16QAM	2593	40620	20	1	0	22.3	19.2	0.083
16QAM	2593	40620	20	1	49	22.03	18.93	0.078
16QAM	2593	40620	20	1	99	22.16	19.06	0.081
16QAM	2593	40620	20	50	0	21.74	18.64	0.073
16QAM	2593	40620	20	50	24	21.58	18.48	0.070
16QAM	2593	40620	20	50	50	22.34	19.24	0.084
16QAM	2593	40620	20	100	0	22.11	19.01	0.080
16QAM	2680	41490	20	1	0	22.72	19.62	0.092
16QAM	2680	41490	20	1	49	21.88	18.78	0.076
16QAM	2680	41490	20	1	99	22.7	19.6	0.091
16QAM	2680	41490	20	50	0	20.16	17.06	0.051
16QAM	2680	41490	20	50	24	20.14	17.04	0.051
16QAM	2680	41490	20	50	50	21.12	18.02	0.063
16QAM	2680	41490	20	100	0	20.55	17.45	0.056
64QAM	2506	39750	20	1	0	22.35	19.25	0.084
64QAM	2506	39750	20	1	49	22.61	19.51	0.089
64QAM	2506	39750	20	1	99	21.64	18.54	0.071
64QAM	2506	39750	20	50	0	21.11	18.01	0.063
64QAM	2506	39750	20	50	24	21.69	18.59	0.072
64QAM	2506	39750	20	50	50	21.78	18.68	0.074
64QAM	2506	39750	20	100	0	21.4	18.3	0.068
64QAM	2593	40620	20	1	0	22.13	19.03	0.080
64QAM	2593	40620	20	1	49	22.01	18.91	0.078
64QAM	2593	40620	20	1	99	22.23	19.13	0.082
64QAM	2593	40620	20	50	0	21.68	18.58	0.072
64QAM	2593	40620	20	50	24	21.56	18.46	0.070
64QAM	2593	40620	20	50	50	22.33	19.23	0.084
64QAM	2593	40620	20	100	0	22.12	19.02	0.080
64QAM	2680	41490	20	1	0	22.62	19.52	0.090
64QAM	2680	41490	20	1	49	21.06	17.96	0.063
64QAM	2680	41490	20	1	99	22.02	18.92	0.078
64QAM	2680	41490	20	50	0	20.23	17.13	0.052
64QAM	2680	41490	20	50	24	20.08	16.98	0.050
64QAM	2680	41490	20	50	50	20.99	17.89	0.062
64QAM	2680	41490	20	100	0	20.68	17.58	0.057

