

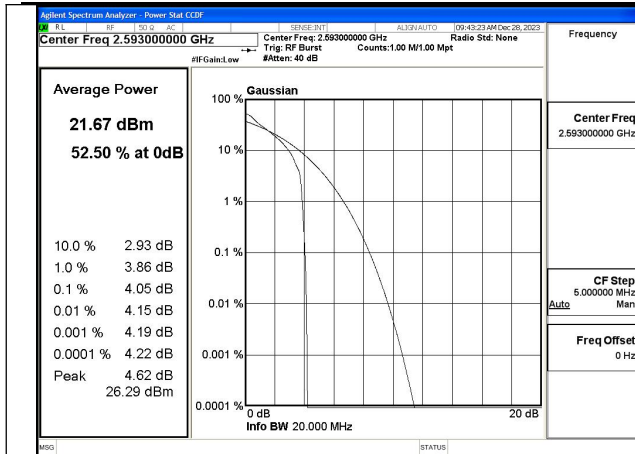


Fig.61

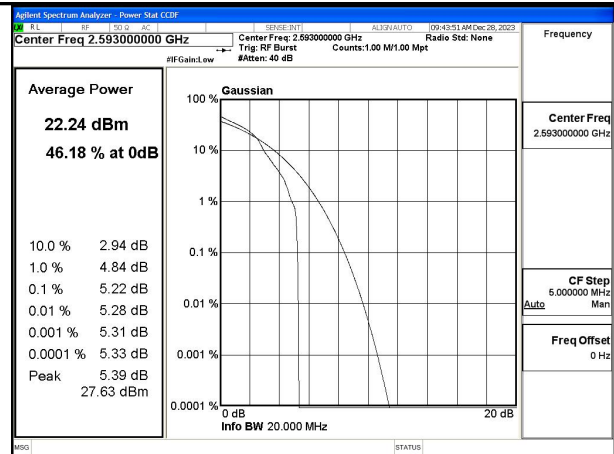


Fig.62

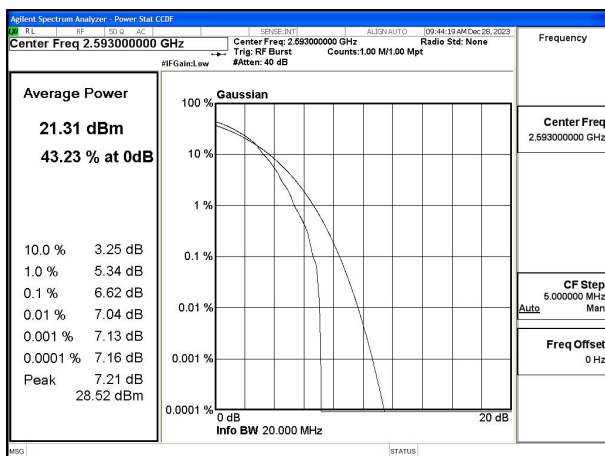


Fig.63

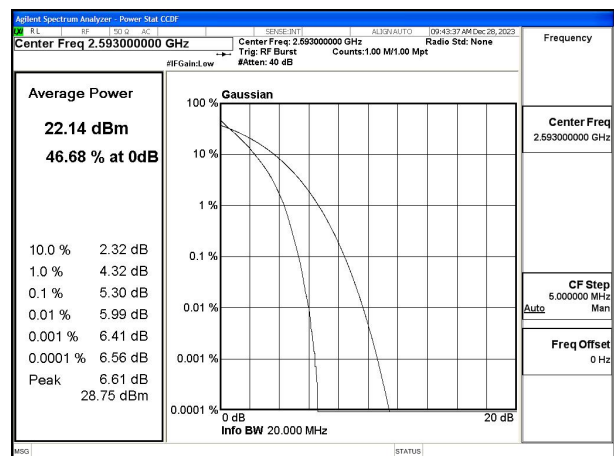


Fig.64

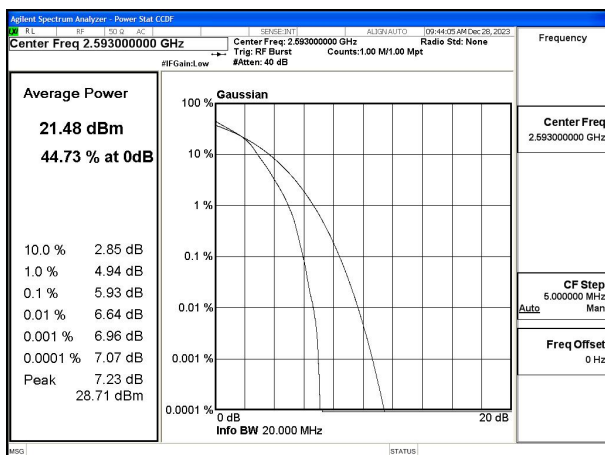


Fig.65

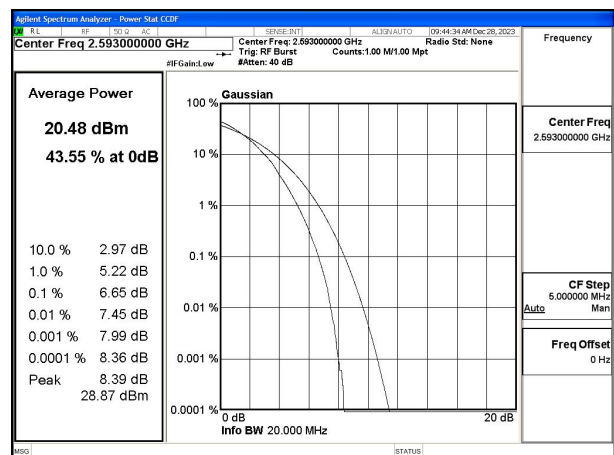


Fig.66

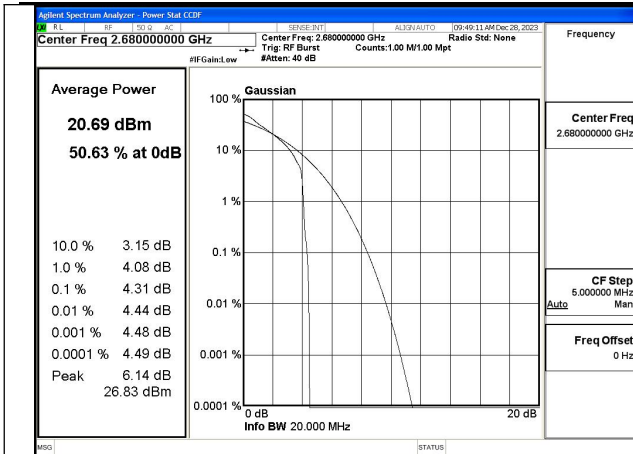


Fig.67

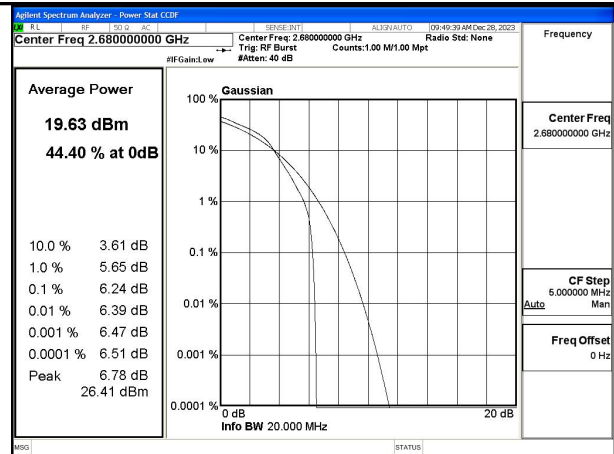


Fig.68

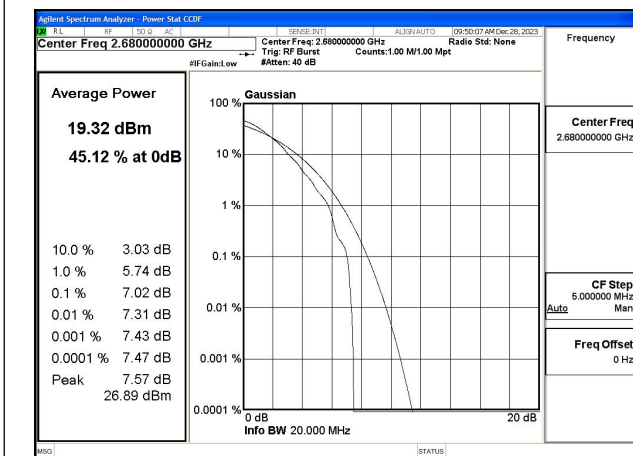


Fig.69

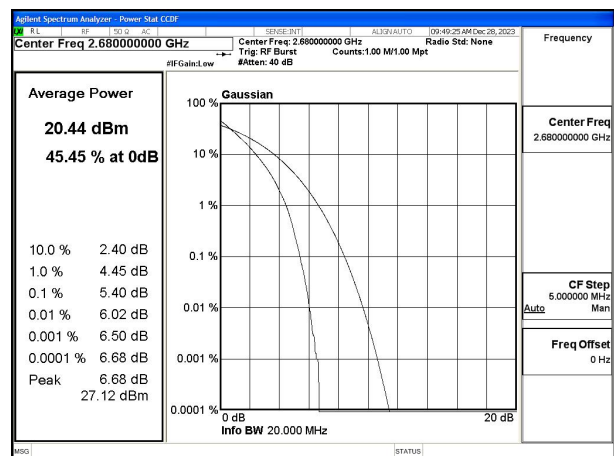


Fig.70

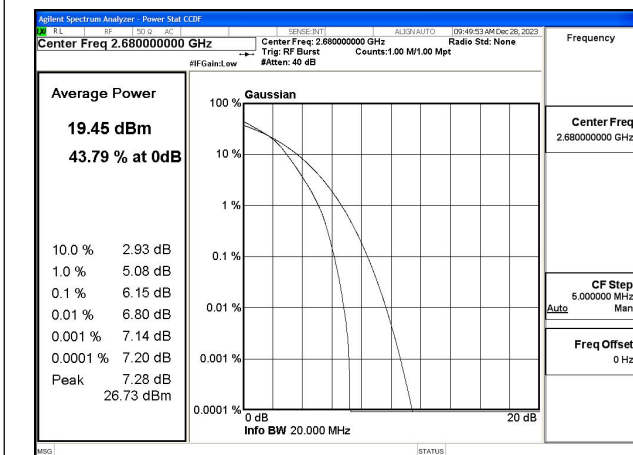


Fig.71

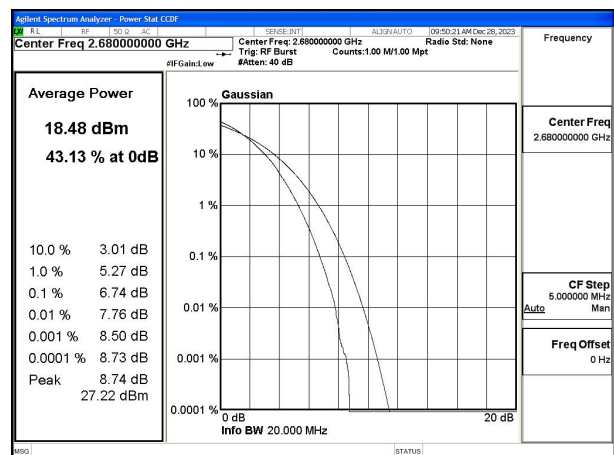


Fig.72

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

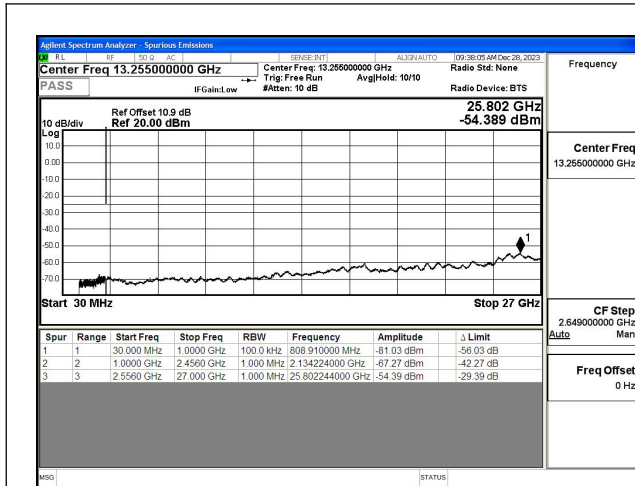


Fig.1

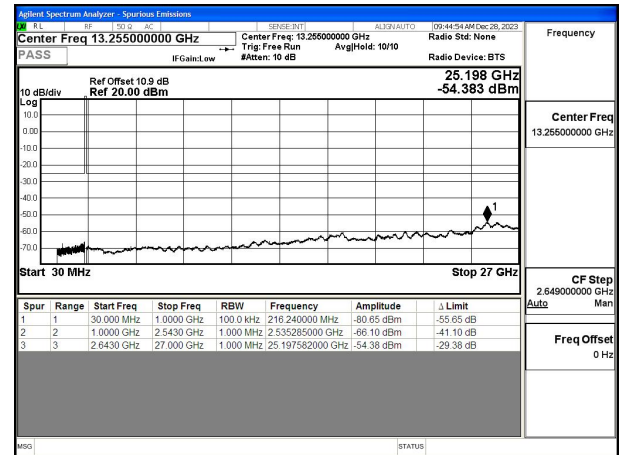


Fig.2

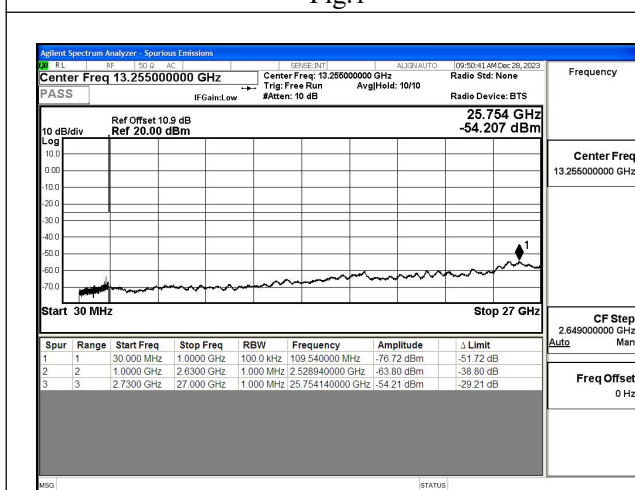


Fig.3

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

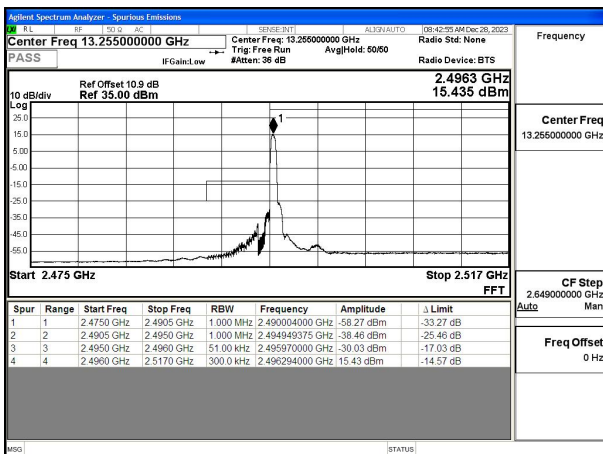


Fig.1

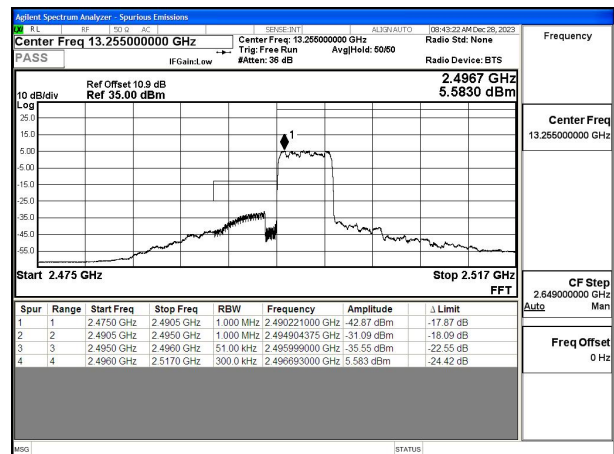


Fig.2

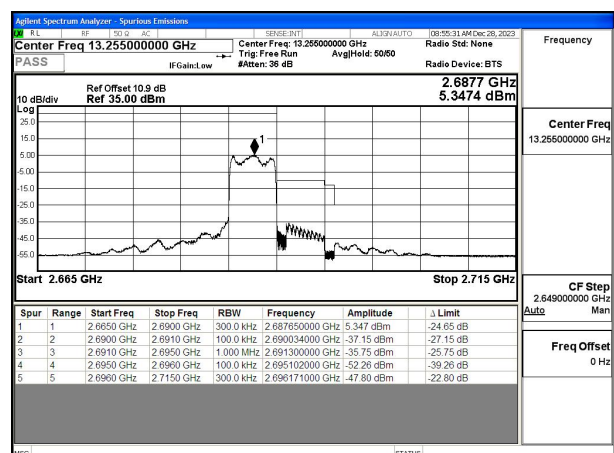
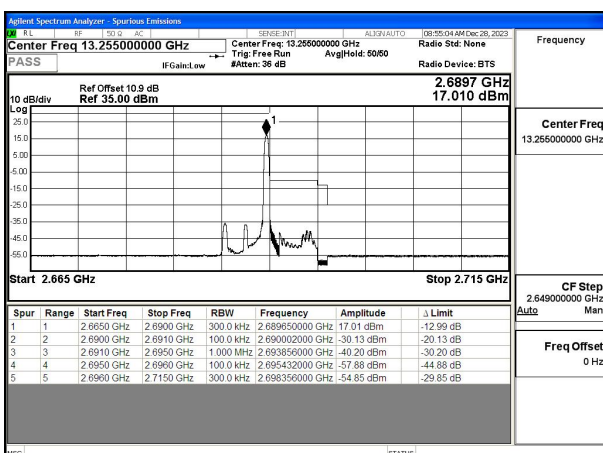


Fig.3

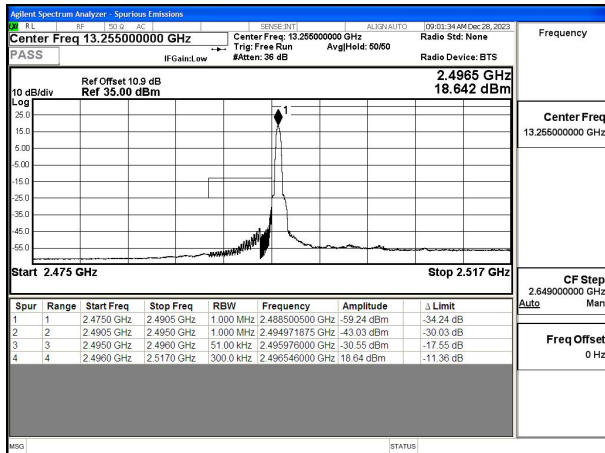


Fig.4

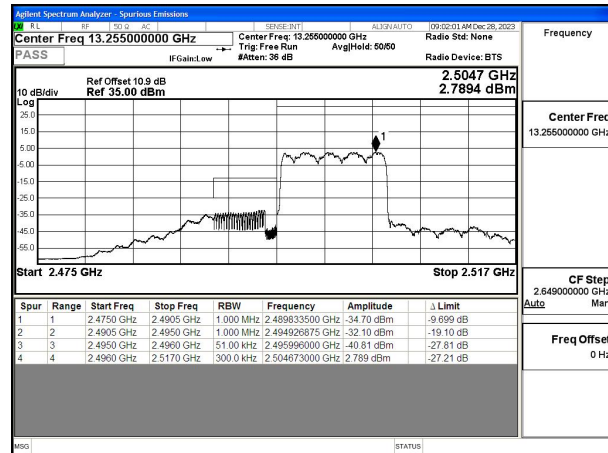


Fig.5

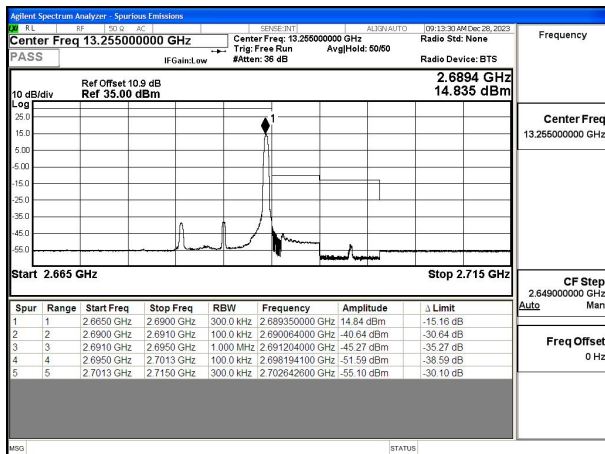


Fig.6

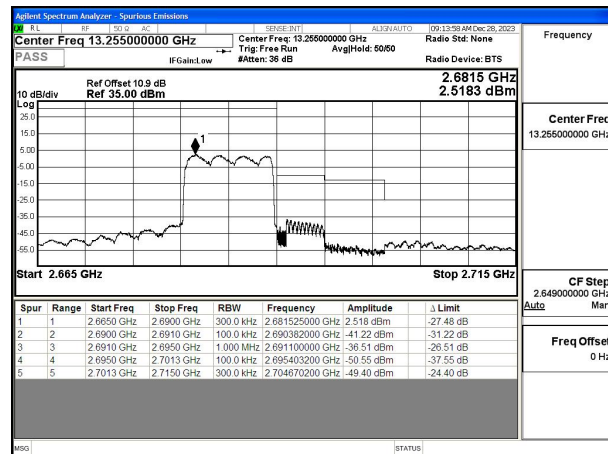


Fig.7

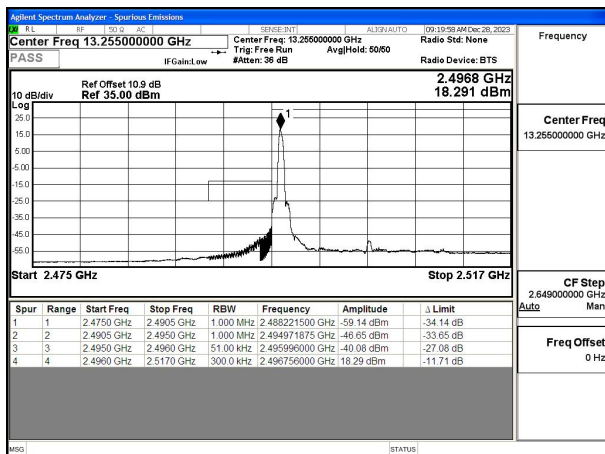


Fig.8

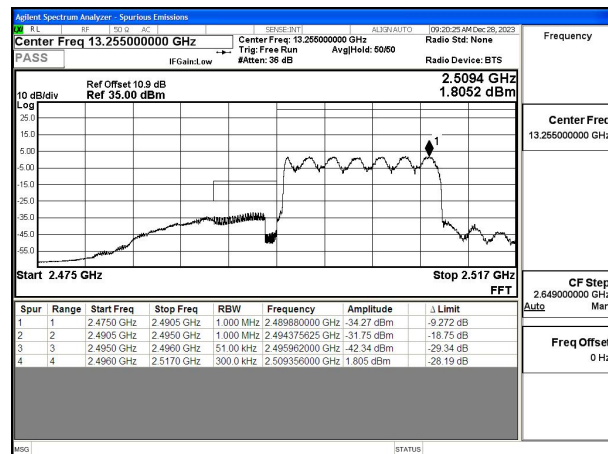


Fig.9

Fig.10

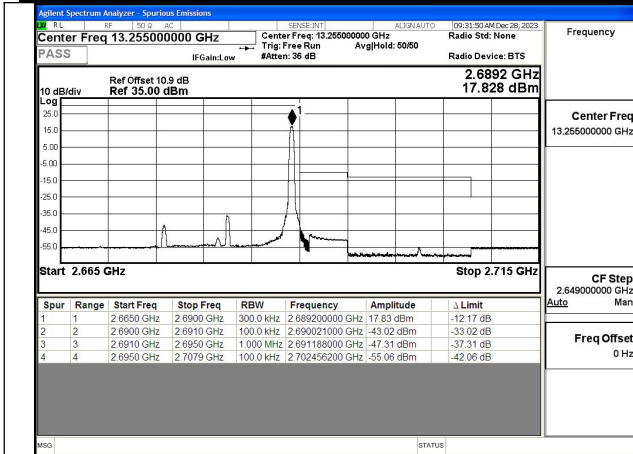


Fig.11

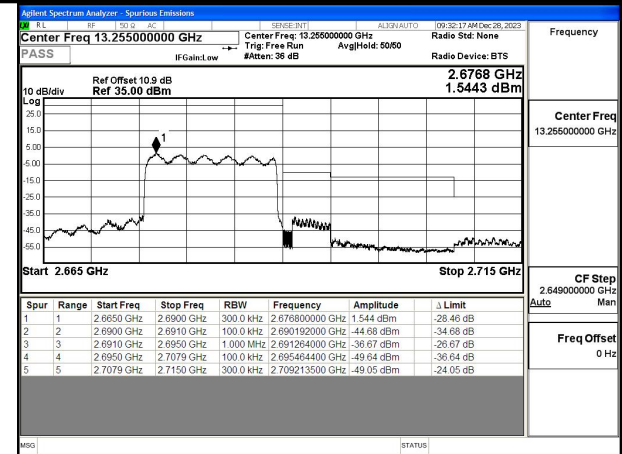


Fig.12

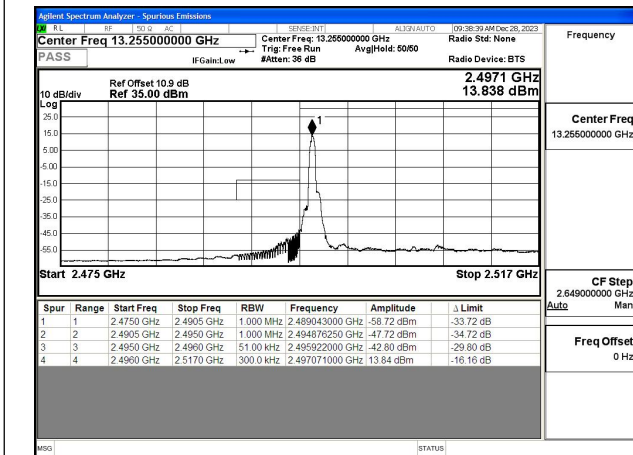


Fig.13

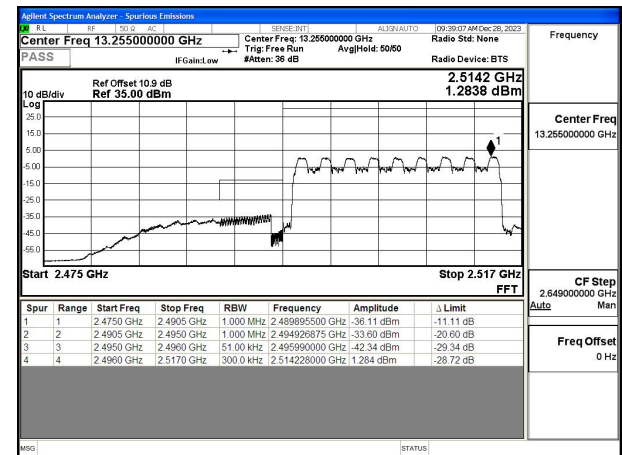


Fig.14

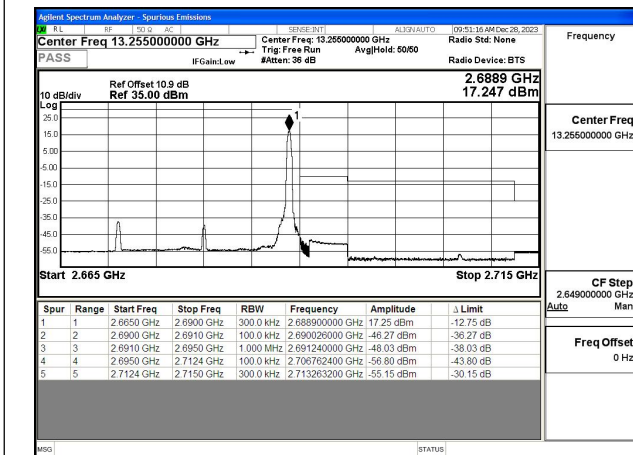


Fig.15

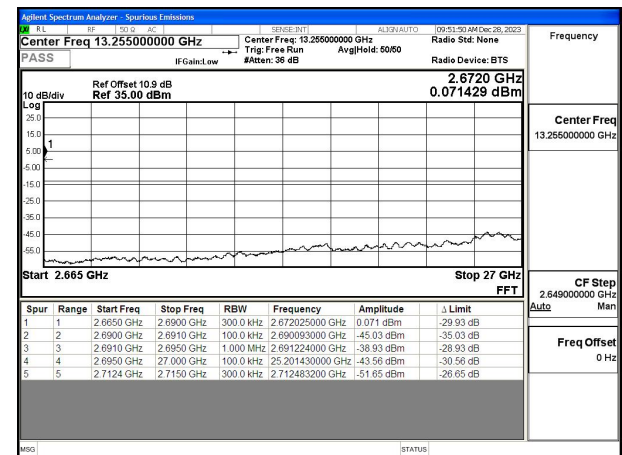


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 41 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.004	0.002	0.002	-0.003
0	NV	0.004	0.001	0.002	-0.002
+10	NV	0.003	0.002	0.003	0.002
+20	NV	0.003	0.002	0.002	-0.003
+30	NV	0.001	-0.003	0.002	-0.003
+40	NV	0.001	0.002	0.002	-0.003
+55	NV	0.002	0.002	0.002	-0.002
+20	LV	0.001	0.002	0.003	-0.002
+20	HV	-0.002	0.002	0.002	-0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 41 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.001	0.000	0.001	0.001
0	NV	0.001	0.001	-0.001	-0.001
+10	NV	0.001	0.000	0.000	-0.002
+20	NV	-0.001	-0.001	0.000	-0.001
+30	NV	0.000	-0.001	-0.001	0.001
+40	NV	0.002	0.000	0.000	0.001
+55	NV	-0.001	0.000	0.000	-0.001
+20	LV	0.000	0.001	0.001	0.000
+20	HV	0.001	0.001	0.000	0.000

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	22.75	21.05	0.127
QPSK	2498.5	39675	5	1	12	22.62	20.92	0.124
QPSK	2498.5	39675	5	1	24	22.70	21.00	0.126
QPSK	2498.5	39675	5	12	0	21.74	20.04	0.101
QPSK	2498.5	39675	5	12	7	21.73	20.03	0.101
QPSK	2498.5	39675	5	12	13	21.69	19.99	0.100
QPSK	2498.5	39675	5	25	0	21.81	20.11	0.103
QPSK	2593	40620	5	1	0	23.07	21.37	0.137
QPSK	2593	40620	5	1	12	22.90	21.20	0.132
QPSK	2593	40620	5	1	24	22.88	21.18	0.131
QPSK	2593	40620	5	12	0	23.10	21.40	0.138
QPSK	2593	40620	5	12	7	23.07	21.37	0.137
QPSK	2593	40620	5	12	13	22.91	21.21	0.132
QPSK	2593	40620	5	25	0	22.98	21.28	0.134
QPSK	2687.5	41565	5	1	0	21.94	20.24	0.106
QPSK	2687.5	41565	5	1	12	21.86	20.16	0.104
QPSK	2687.5	41565	5	1	24	22.05	20.35	0.108
QPSK	2687.5	41565	5	12	0	21.09	19.39	0.087
QPSK	2687.5	41565	5	12	7	21.20	19.50	0.089
QPSK	2687.5	41565	5	12	13	21.12	19.42	0.087
QPSK	2687.5	41565	5	25	0	21.14	19.44	0.088

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	22.11	20.41	0.110
16QAM	2498.5	39675	5	1	12	21.86	20.16	0.104
16QAM	2498.5	39675	5	1	24	22.04	20.34	0.108
16QAM	2498.5	39675	5	12	0	20.81	19.11	0.081
16QAM	2498.5	39675	5	12	7	20.83	19.13	0.082
16QAM	2498.5	39675	5	12	13	20.79	19.09	0.081
16QAM	2498.5	39675	5	25	0	20.76	19.06	0.081
16QAM	2593	40620	5	1	0	23.35	21.65	0.146
16QAM	2593	40620	5	1	12	23.26	21.56	0.143
16QAM	2593	40620	5	1	24	23.21	21.51	0.142
16QAM	2593	40620	5	12	0	22.15	20.45	0.111
16QAM	2593	40620	5	12	7	22.12	20.42	0.110
16QAM	2593	40620	5	12	13	21.97	20.27	0.106
16QAM	2593	40620	5	25	0	22.02	20.32	0.108
16QAM	2687.5	41565	5	1	0	21.60	19.90	0.098
16QAM	2687.5	41565	5	1	12	21.40	19.70	0.093
16QAM	2687.5	41565	5	1	24	21.62	19.92	0.098
16QAM	2687.5	41565	5	12	0	20.19	18.49	0.071
16QAM	2687.5	41565	5	12	7	20.19	18.49	0.071
16QAM	2687.5	41565	5	12	13	20.14	18.44	0.070
16QAM	2687.5	41565	5	25	0	20.06	18.36	0.069
64QAM	2498.5	39675	5	1	0	21.13	19.43	0.088
64QAM	2498.5	39675	5	1	12	21.15	19.45	0.088
64QAM	2498.5	39675	5	1	24	21.07	19.37	0.086
64QAM	2498.5	39675	5	12	0	19.83	18.13	0.065
64QAM	2498.5	39675	5	12	7	19.82	18.12	0.065
64QAM	2498.5	39675	5	12	13	19.84	18.14	0.065
64QAM	2498.5	39675	5	25	0	19.75	18.05	0.064
64QAM	2593	40620	5	1	0	22.16	20.46	0.111
64QAM	2593	40620	5	1	12	22.08	20.38	0.109
64QAM	2593	40620	5	1	24	22.09	20.39	0.109
64QAM	2593	40620	5	12	0	21.04	19.34	0.086
64QAM	2593	40620	5	12	7	21.09	19.39	0.087
64QAM	2593	40620	5	12	13	20.92	19.22	0.084
64QAM	2593	40620	5	25	0	20.93	19.23	0.084
64QAM	2687.5	41565	5	1	0	20.42	18.72	0.074
64QAM	2687.5	41565	5	1	12	20.42	18.72	0.074
64QAM	2687.5	41565	5	1	24	20.54	18.84	0.077
64QAM	2687.5	41565	5	12	0	19.19	17.49	0.056
64QAM	2687.5	41565	5	12	7	19.21	17.51	0.056
64QAM	2687.5	41565	5	12	13	19.16	17.46	0.056
64QAM	2687.5	41565	5	25	0	19.15	17.45	0.056

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	22.70	21.00	0.126
QPSK	2501	39700	10	1	25	22.59	20.89	0.123
QPSK	2501	39700	10	1	49	22.55	20.85	0.122
QPSK	2501	39700	10	25	0	21.66	19.96	0.099
QPSK	2501	39700	10	25	12	21.68	19.98	0.100
QPSK	2501	39700	10	25	25	21.53	19.83	0.096
QPSK	2501	39700	10	50	0	21.63	19.93	0.098
QPSK	2593	40620	10	1	0	22.95	21.25	0.133
QPSK	2593	40620	10	1	25	22.89	21.19	0.132
QPSK	2593	40620	10	1	49	22.74	21.04	0.127
QPSK	2593	40620	10	25	0	23.05	21.35	0.136
QPSK	2593	40620	10	25	12	23.04	21.34	0.136
QPSK	2593	40620	10	25	25	22.97	21.27	0.134
QPSK	2593	40620	10	50	0	22.99	21.29	0.135
QPSK	2685	41540	10	1	0	22.17	20.47	0.111
QPSK	2685	41540	10	1	25	22.09	20.39	0.109
QPSK	2685	41540	10	1	49	22.14	20.44	0.111
QPSK	2685	41540	10	25	0	21.16	19.46	0.088
QPSK	2685	41540	10	25	12	21.18	19.48	0.089
QPSK	2685	41540	10	25	25	21.21	19.51	0.089
QPSK	2685	41540	10	50	0	21.17	19.47	0.089

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	22.12	20.42	0.110
16QAM	2501	39700	10	1	25	21.88	20.18	0.104
16QAM	2501	39700	10	1	49	21.96	20.26	0.106
16QAM	2501	39700	10	25	0	20.72	19.02	0.080
16QAM	2501	39700	10	25	12	20.65	18.95	0.079
16QAM	2501	39700	10	25	25	20.62	18.92	0.078
16QAM	2501	39700	10	50	0	20.66	18.96	0.079
16QAM	2593	40620	10	1	0	23.49	21.79	0.151
16QAM	2593	40620	10	1	25	23.22	21.52	0.142
16QAM	2593	40620	10	1	49	23.28	21.58	0.144
16QAM	2593	40620	10	25	0	22.09	20.39	0.109
16QAM	2593	40620	10	25	12	21.99	20.29	0.107
16QAM	2593	40620	10	25	25	21.89	20.19	0.104
16QAM	2593	40620	10	50	0	21.95	20.25	0.106
16QAM	2685	41540	10	1	0	21.25	19.55	0.090
16QAM	2685	41540	10	1	25	21.25	19.55	0.090
16QAM	2685	41540	10	1	49	21.29	19.59	0.091
16QAM	2685	41540	10	25	0	20.11	18.41	0.069
16QAM	2685	41540	10	25	12	20.11	18.41	0.069
16QAM	2685	41540	10	25	25	20.04	18.34	0.068
16QAM	2685	41540	10	50	0	20.11	18.41	0.069
64QAM	2501	39700	10	1	0	21.39	19.69	0.093
64QAM	2501	39700	10	1	25	21.22	19.52	0.090
64QAM	2501	39700	10	1	49	21.09	19.39	0.087
64QAM	2501	39700	10	25	0	19.73	18.03	0.064
64QAM	2501	39700	10	25	12	19.55	17.85	0.061
64QAM	2501	39700	10	25	25	19.58	17.88	0.061
64QAM	2501	39700	10	50	0	19.66	17.96	0.063
64QAM	2593	40620	10	1	0	22.14	20.44	0.111
64QAM	2593	40620	10	1	25	21.92	20.22	0.105
64QAM	2593	40620	10	1	49	21.82	20.12	0.103
64QAM	2593	40620	10	25	0	21.04	19.34	0.086
64QAM	2593	40620	10	25	12	20.95	19.25	0.084
64QAM	2593	40620	10	25	25	20.88	19.18	0.083
64QAM	2593	40620	10	50	0	20.99	19.29	0.085
64QAM	2685	41540	10	1	0	19.78	18.08	0.064
64QAM	2685	41540	10	1	25	19.72	18.02	0.063
64QAM	2685	41540	10	1	49	19.72	18.02	0.063
64QAM	2685	41540	10	25	0	19.12	17.42	0.055
64QAM	2685	41540	10	25	12	19.24	17.54	0.057
64QAM	2685	41540	10	25	25	19.22	17.52	0.056
64QAM	2685	41540	10	50	0	19.15	17.45	0.056

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	22.44	20.74	0.119
QPSK	2503.5	39725	15	1	37	22.13	20.43	0.110
QPSK	2503.5	39725	15	1	74	22.21	20.51	0.112
QPSK	2503.5	39725	15	36	0	21.53	19.83	0.096
QPSK	2503.5	39725	15	36	29	21.41	19.71	0.094
QPSK	2503.5	39725	15	36	30	21.30	19.60	0.091
QPSK	2503.5	39725	15	75	0	21.43	19.73	0.094
QPSK	2593	40620	15	1	0	22.88	21.18	0.131
QPSK	2593	40620	15	1	37	22.65	20.95	0.124
QPSK	2593	40620	15	1	74	22.52	20.82	0.121
QPSK	2593	40620	15	36	0	23.02	21.32	0.136
QPSK	2593	40620	15	36	29	22.76	21.06	0.128
QPSK	2593	40620	15	36	30	22.88	21.18	0.131
QPSK	2593	40620	15	75	0	22.81	21.11	0.129
QPSK	2682.5	41515	15	1	0	22.04	20.34	0.108
QPSK	2682.5	41515	15	1	37	21.83	20.13	0.103
QPSK	2682.5	41515	15	1	74	21.84	20.14	0.103
QPSK	2682.5	41515	15	36	0	21.10	19.40	0.087
QPSK	2682.5	41515	15	36	29	21.04	19.34	0.086
QPSK	2682.5	41515	15	36	30	20.95	19.25	0.084
QPSK	2682.5	41515	15	75	0	21.00	19.30	0.085

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	21.71	20.01	0.100
16QAM	2503.5	39725	15	1	37	21.59	19.89	0.097
16QAM	2503.5	39725	15	1	74	21.46	19.76	0.095
16QAM	2503.5	39725	15	36	0	20.58	18.88	0.077
16QAM	2503.5	39725	15	36	29	20.42	18.72	0.074
16QAM	2503.5	39725	15	36	30	20.37	18.67	0.074
16QAM	2503.5	39725	15	75	0	20.50	18.80	0.076
16QAM	2593	40620	15	1	0	23.37	21.67	0.147
16QAM	2593	40620	15	1	37	23.16	21.46	0.140
16QAM	2593	40620	15	1	74	22.97	21.27	0.134
16QAM	2593	40620	15	36	0	21.99	20.29	0.107
16QAM	2593	40620	15	36	29	21.80	20.10	0.102
16QAM	2593	40620	15	36	30	21.80	20.10	0.102
16QAM	2593	40620	15	75	0	21.89	20.19	0.104
16QAM	2682.5	41515	15	1	0	21.27	19.57	0.091
16QAM	2682.5	41515	15	1	37	20.99	19.29	0.085
16QAM	2682.5	41515	15	1	74	21.10	19.40	0.087
16QAM	2682.5	41515	15	36	0	20.09	18.39	0.069
16QAM	2682.5	41515	15	36	29	20.03	18.33	0.068
16QAM	2682.5	41515	15	36	30	20.04	18.34	0.068
16QAM	2682.5	41515	15	75	0	20.00	18.30	0.068
64QAM	2503.5	39725	15	1	0	20.99	19.29	0.085
64QAM	2503.5	39725	15	1	37	20.84	19.14	0.082
64QAM	2503.5	39725	15	1	74	20.74	19.04	0.080
64QAM	2503.5	39725	15	36	0	19.57	17.87	0.061
64QAM	2503.5	39725	15	36	29	19.35	17.65	0.058
64QAM	2503.5	39725	15	36	30	19.39	17.69	0.059
64QAM	2503.5	39725	15	75	0	19.53	17.83	0.061
64QAM	2593	40620	15	1	0	22.08	20.38	0.109
64QAM	2593	40620	15	1	37	21.87	20.17	0.104
64QAM	2593	40620	15	1	74	21.65	19.95	0.099
64QAM	2593	40620	15	36	0	21.09	19.39	0.087
64QAM	2593	40620	15	36	29	20.81	19.11	0.081
64QAM	2593	40620	15	36	30	20.84	19.14	0.082
64QAM	2593	40620	15	75	0	20.86	19.16	0.082
64QAM	2682.5	41515	15	1	0	20.34	18.64	0.073
64QAM	2682.5	41515	15	1	37	20.13	18.43	0.070
64QAM	2682.5	41515	15	1	74	20.11	18.41	0.069
64QAM	2682.5	41515	15	36	0	19.21	17.51	0.056
64QAM	2682.5	41515	15	36	29	19.11	17.41	0.055
64QAM	2682.5	41515	15	36	30	19.10	17.40	0.055
64QAM	2682.5	41515	15	75	0	19.09	17.39	0.055

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	22.51	20.81	0.121
QPSK	2506	39750	20	1	49	22.43	20.73	0.118
QPSK	2506	39750	20	1	99	22.25	20.55	0.114
QPSK	2506	39750	20	50	0	21.65	19.95	0.099
QPSK	2506	39750	20	50	24	21.60	19.90	0.098
QPSK	2506	39750	20	50	50	21.50	19.80	0.095
QPSK	2506	39750	20	100	0	21.57	19.87	0.097
QPSK	2593	40620	20	1	0	23.03	21.33	0.136
QPSK	2593	40620	20	1	49	22.74	21.04	0.127
QPSK	2593	40620	20	1	99	22.65	20.95	0.124
QPSK	2593	40620	20	50	0	23.04	21.34	0.136
QPSK	2593	40620	20	50	24	22.84	21.14	0.130
QPSK	2593	40620	20	50	50	22.71	21.01	0.126
QPSK	2593	40620	20	100	0	22.77	21.07	0.128
QPSK	2680	41490	20	1	0	22.28	20.58	0.114
QPSK	2680	41490	20	1	49	22.07	20.37	0.109
QPSK	2680	41490	20	1	99	22.16	20.46	0.111
QPSK	2680	41490	20	50	0	21.35	19.65	0.092
QPSK	2680	41490	20	50	24	21.27	19.57	0.091
QPSK	2680	41490	20	50	50	21.11	19.41	0.087
QPSK	2680	41490	20	100	0	21.30	19.60	0.091

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	21.88	20.18	0.104
16QAM	2506	39750	20	1	49	21.69	19.99	0.100
16QAM	2506	39750	20	1	99	21.68	19.98	0.100
16QAM	2506	39750	20	50	0	20.67	18.97	0.079
16QAM	2506	39750	20	50	24	20.53	18.83	0.076
16QAM	2506	39750	20	50	50	20.42	18.72	0.074
16QAM	2506	39750	20	100	0	20.55	18.85	0.077
16QAM	2593	40620	20	1	0	23.36	21.66	0.147
16QAM	2593	40620	20	1	49	22.81	21.11	0.129
16QAM	2593	40620	20	1	99	22.66	20.96	0.125
16QAM	2593	40620	20	50	0	22.27	20.57	0.114
16QAM	2593	40620	20	50	24	22.20	20.50	0.112
16QAM	2593	40620	20	50	50	22.01	20.31	0.107
16QAM	2593	40620	20	100	0	22.11	20.41	0.110
16QAM	2680	41490	20	1	0	21.27	19.57	0.091
16QAM	2680	41490	20	1	49	21.00	19.30	0.085
16QAM	2680	41490	20	1	99	21.13	19.43	0.088
16QAM	2680	41490	20	50	0	20.38	18.68	0.074
16QAM	2680	41490	20	50	24	20.39	18.69	0.074
16QAM	2680	41490	20	50	50	20.22	18.52	0.071
16QAM	2680	41490	20	100	0	20.31	18.61	0.073
64QAM	2506	39750	20	1	0	20.72	19.02	0.080
64QAM	2506	39750	20	1	49	20.53	18.83	0.076
64QAM	2506	39750	20	1	99	20.34	18.64	0.073
64QAM	2506	39750	20	50	0	19.75	18.05	0.064
64QAM	2506	39750	20	50	24	19.64	17.94	0.062
64QAM	2506	39750	20	50	50	19.50	17.80	0.060
64QAM	2506	39750	20	100	0	19.62	17.92	0.062
64QAM	2593	40620	20	1	0	22.48	20.78	0.120
64QAM	2593	40620	20	1	49	22.15	20.45	0.111
64QAM	2593	40620	20	1	99	21.94	20.24	0.106
64QAM	2593	40620	20	50	0	21.31	19.61	0.091
64QAM	2593	40620	20	50	24	21.19	19.49	0.089
64QAM	2593	40620	20	50	50	21.07	19.37	0.086
64QAM	2593	40620	20	100	0	21.18	19.48	0.089
64QAM	2680	41490	20	1	0	20.83	19.13	0.082
64QAM	2680	41490	20	1	49	20.34	18.64	0.073
64QAM	2680	41490	20	1	99	20.45	18.75	0.075
64QAM	2680	41490	20	50	0	19.41	17.71	0.059
64QAM	2680	41490	20	50	24	19.35	17.65	0.058
64QAM	2680	41490	20	50	50	19.23	17.53	0.057
64QAM	2680	41490	20	100	0	19.44	17.74	0.059