

Fig.61

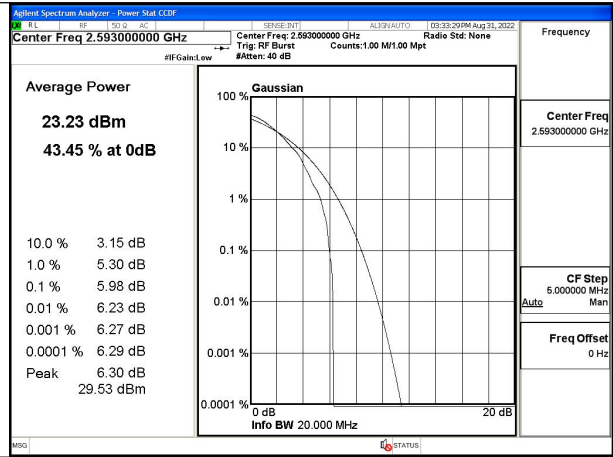


Fig.62

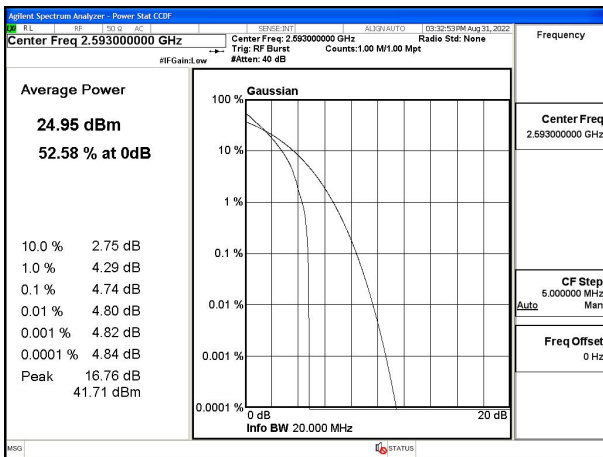


Fig.63

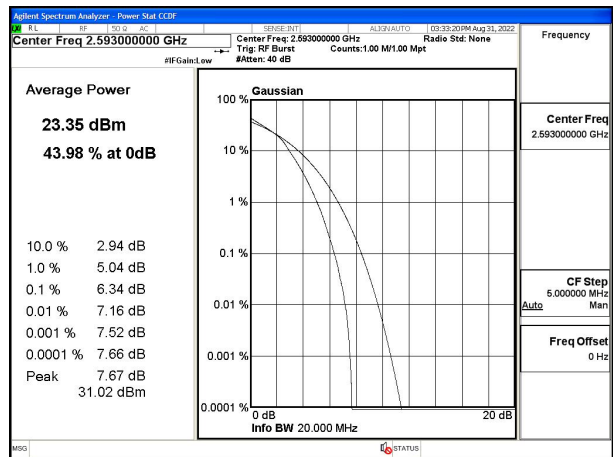


Fig.64

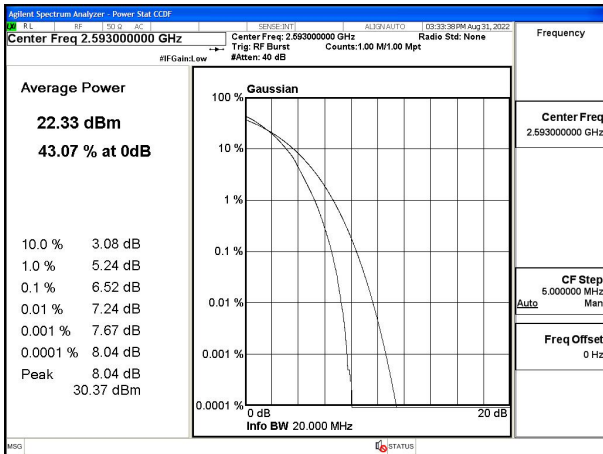


Fig.65

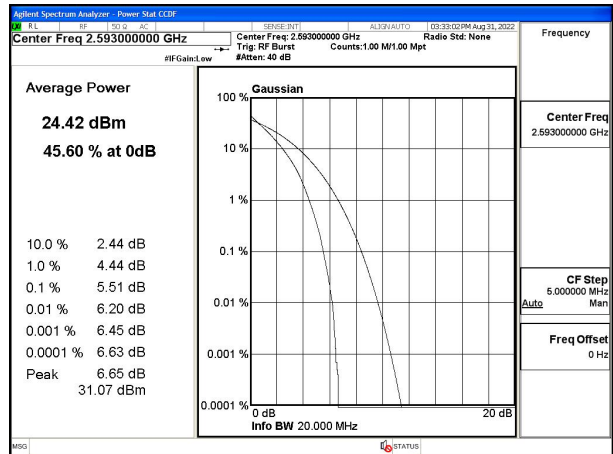


Fig.66

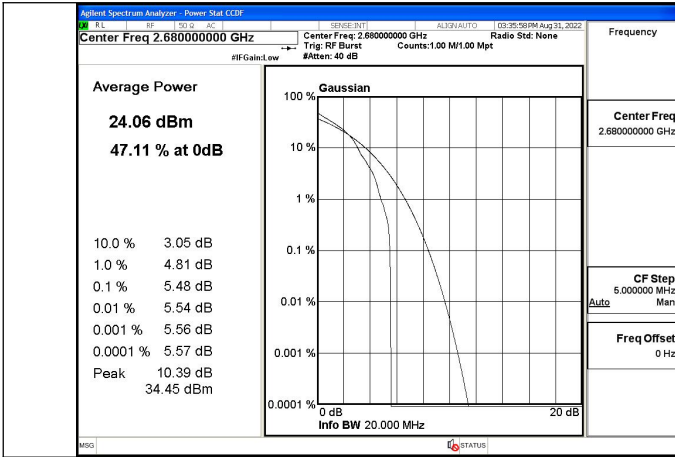


Fig.67

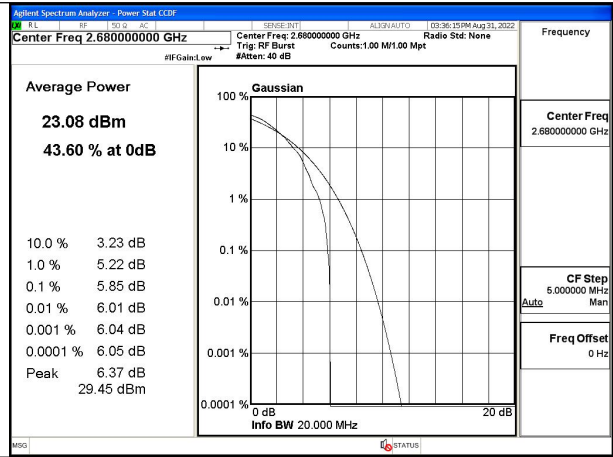


Fig.68

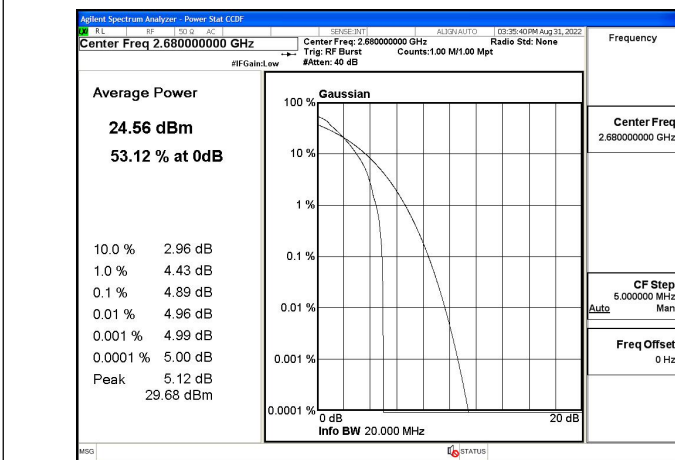


Fig.69

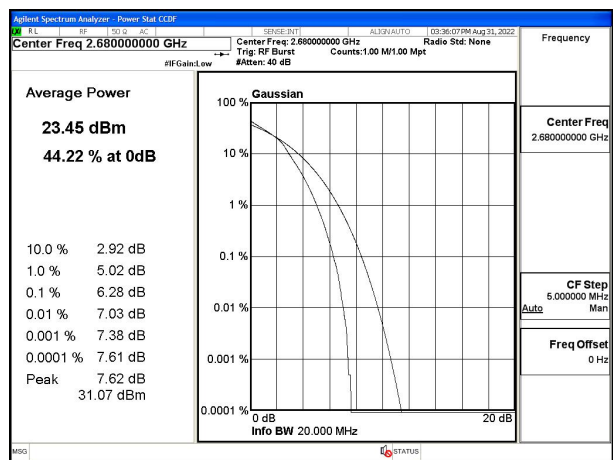


Fig.70

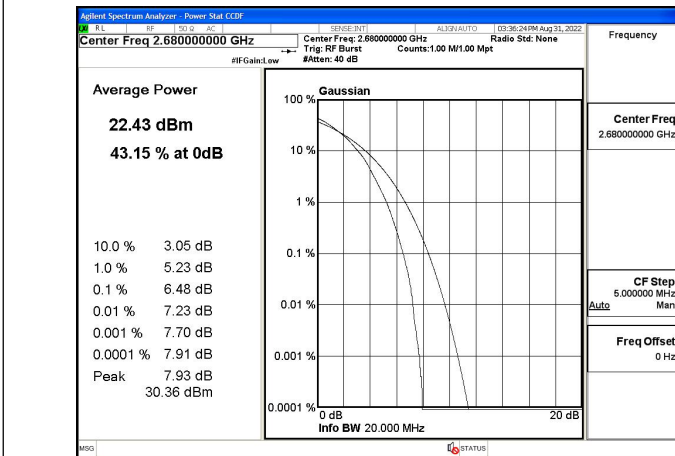


Fig.71

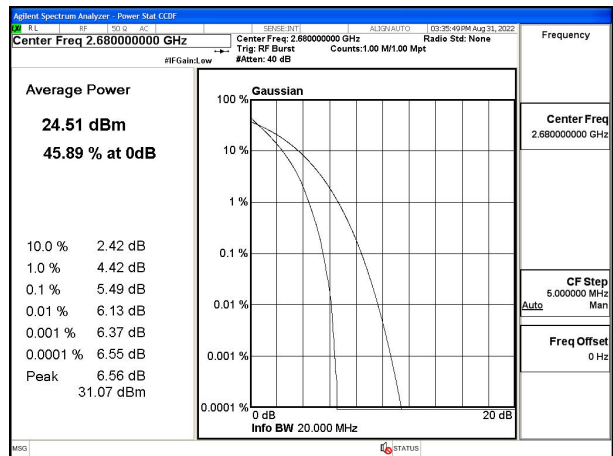


Fig.72

**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

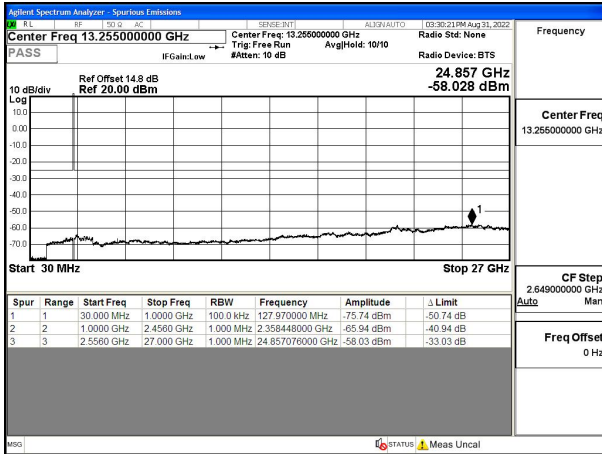


Fig.1

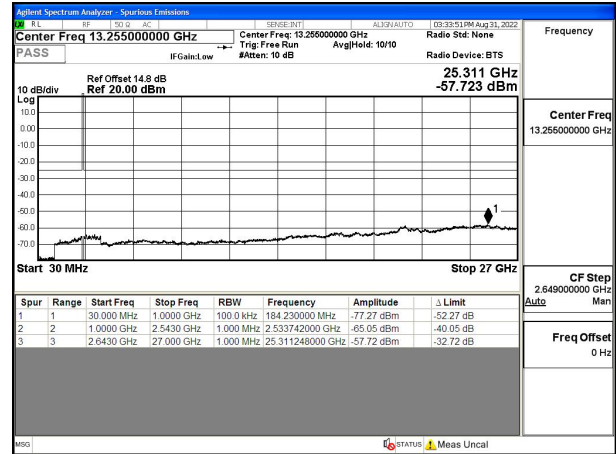


Fig.2

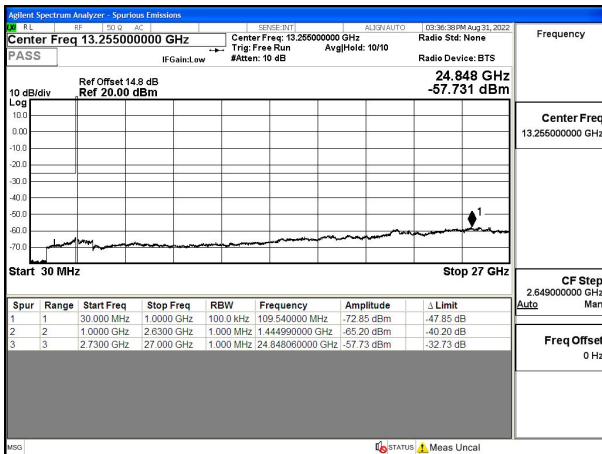


Fig.3

**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

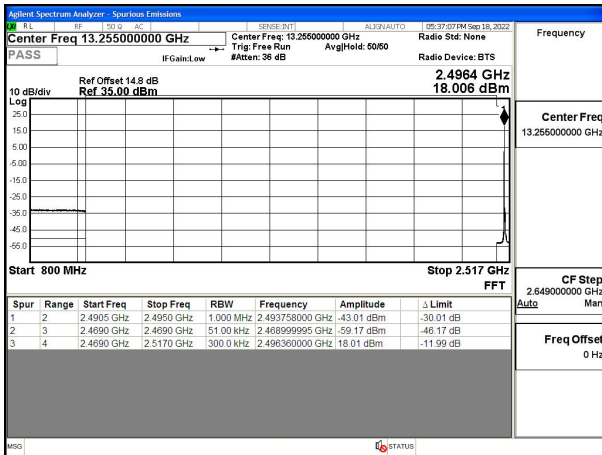


Fig.1

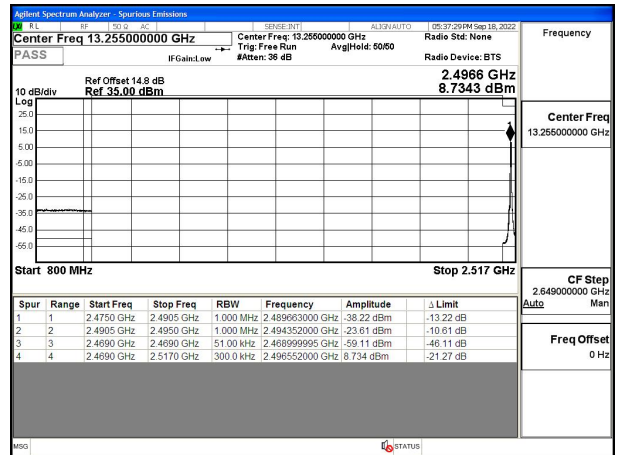


Fig.2

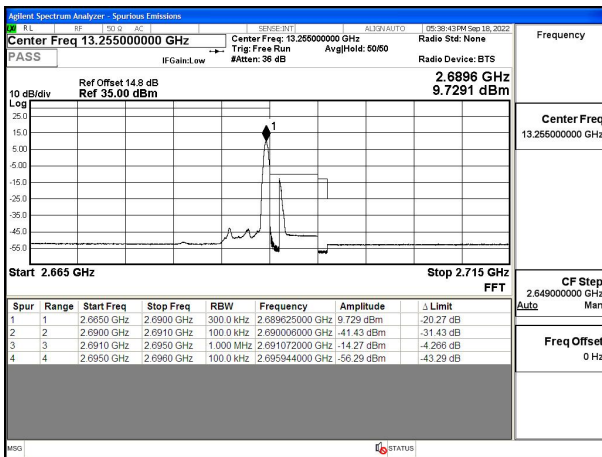


Fig.3

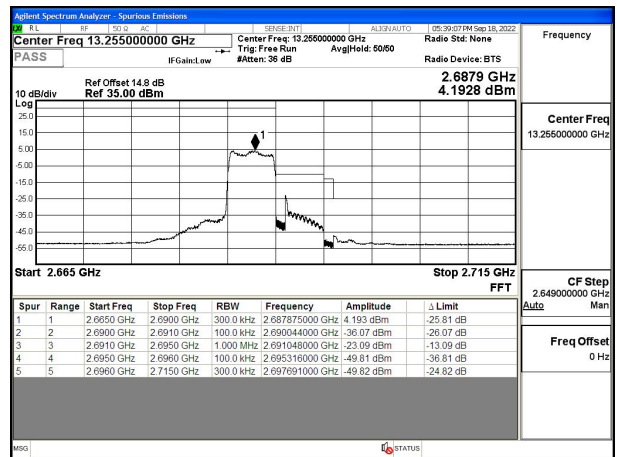


Fig.4

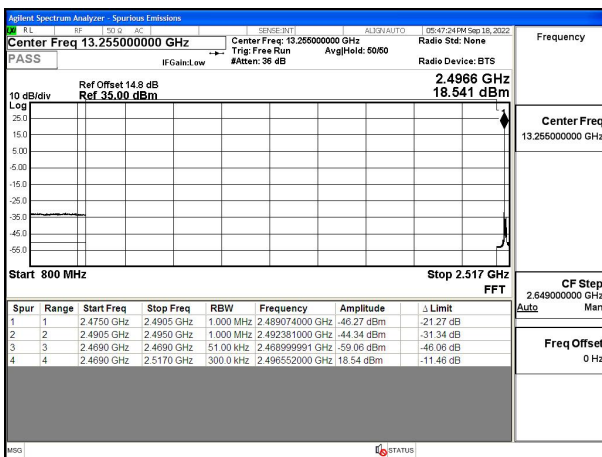


Fig.5

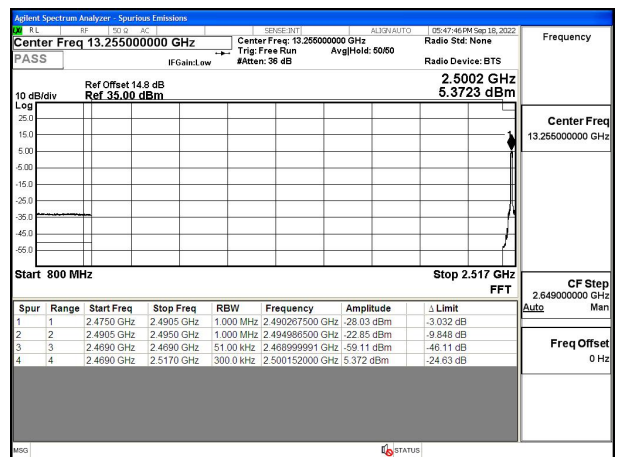


Fig.6

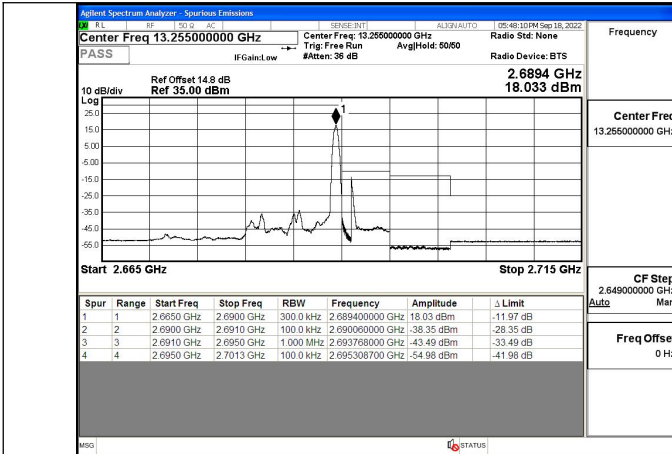


Fig.7

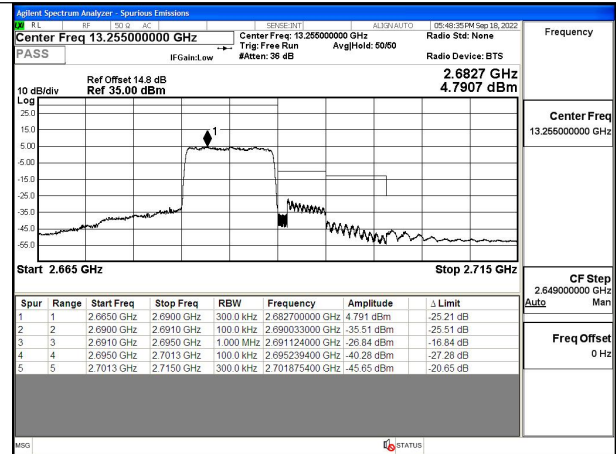


Fig.8

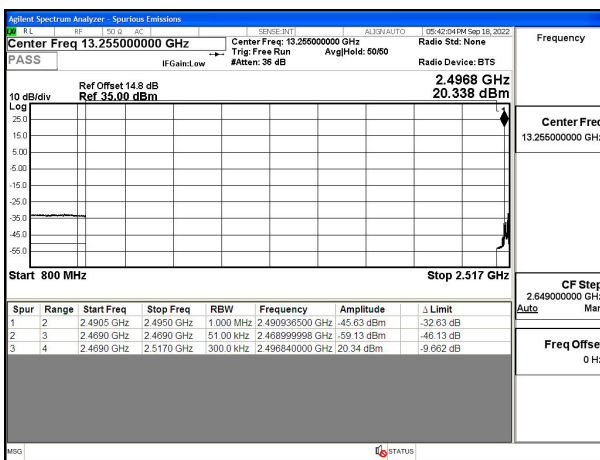


Fig.9

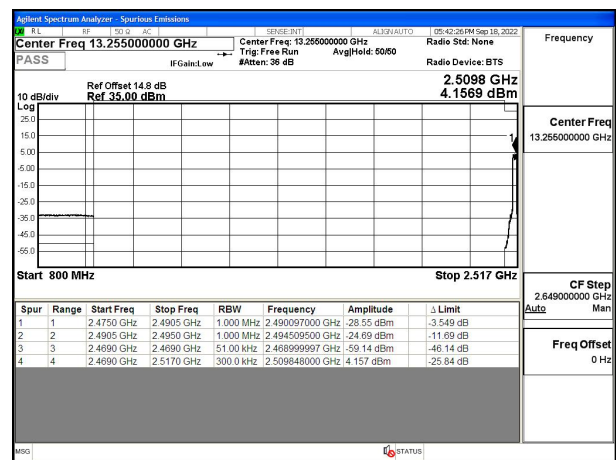


Fig.10

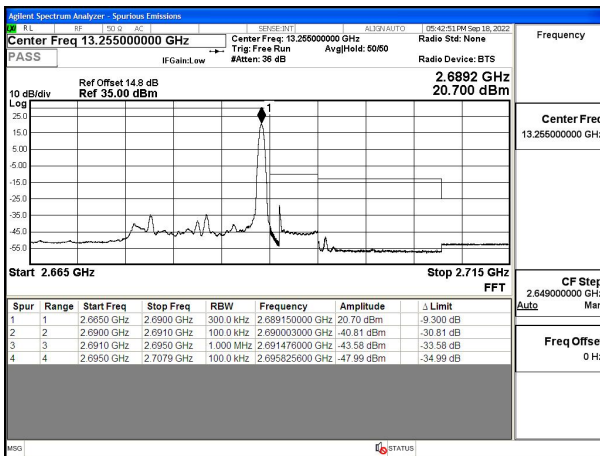


Fig.11

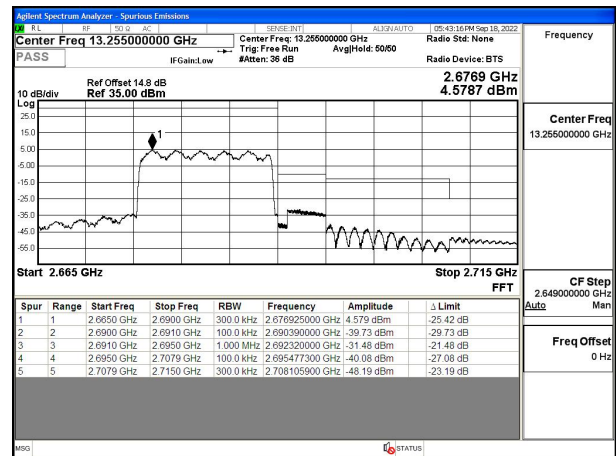


Fig.12

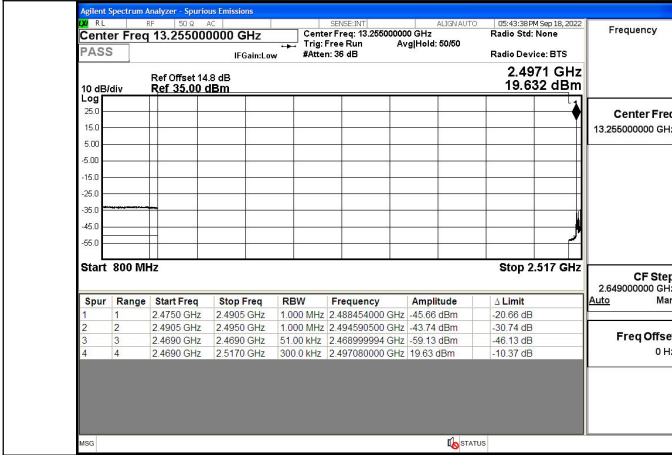


Fig.13

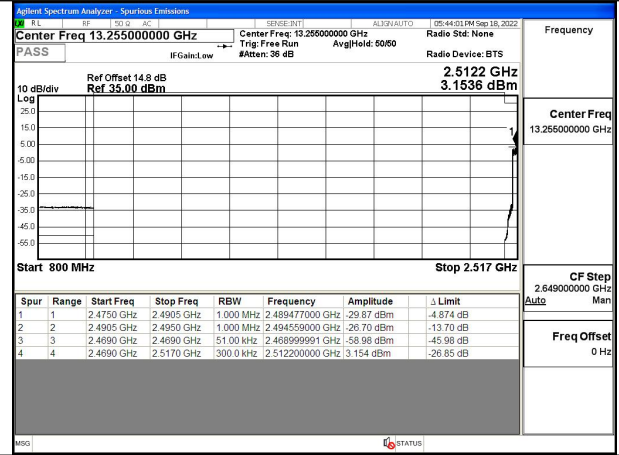


Fig.14

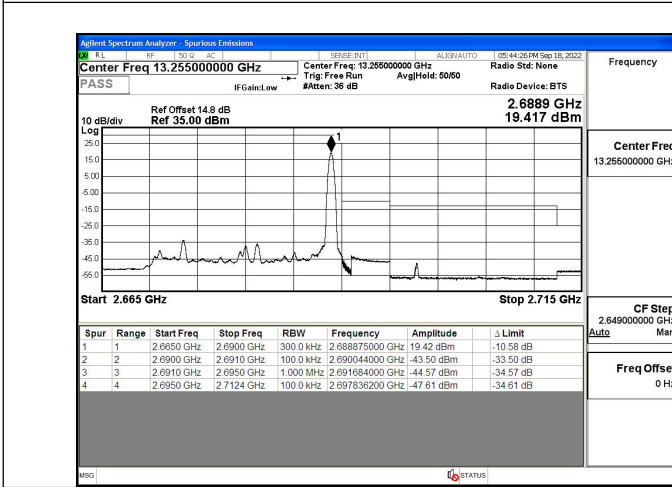


Fig.15

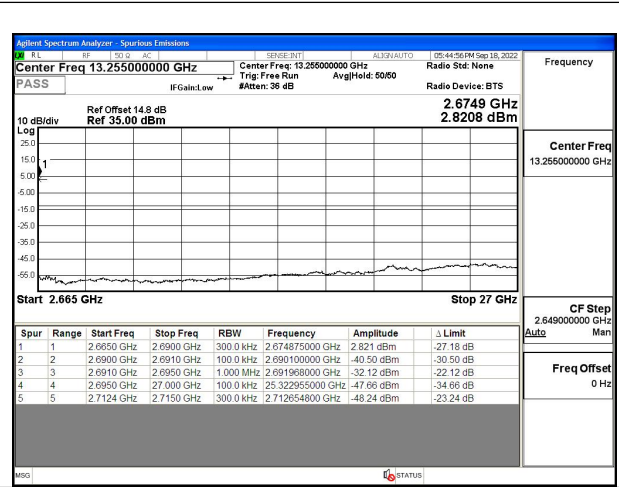


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 41 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.005	0.007	-0.004	0.003
0	NV	-0.004	0.004	0.005	0.006
+10	NV	0.005	0.000	-0.004	0.004
+20	NV	0.005	-0.002	-0.005	-0.002
+30	NV	0.007	-0.002	0.005	0.006
+40	NV	-0.005	0.003	-0.004	0.004
+50	NV	-0.007	-0.005	0.007	0.008
+55	NV	0.005	0.005	0.005	0.006
+20	LV	-0.005	0.009	-0.004	0.006
+20	HV	0.006	-0.004	0.007	0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 41 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.001	0.006	-0.006	0.004
0	NV	-0.005	-0.005	-0.005	0.007
+10	NV	-0.005	-0.004	-0.003	0.006
+20	NV	-0.004	-0.002	-0.007	0.004
+30	NV	-0.006	-0.006	0.005	0.006
+40	NV	-0.003	-0.005	-0.004	0.010
+50	NV	0.005	-0.008	0.004	-0.004
+55	NV	-0.007	-0.005	0.004	0.007
+20	LV	0.004	-0.006	0.002	0.005
+20	HV	-0.003	-0.004	0.006	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	2498.5	39675	5	1	0	25.18	24.13	0.259
QPSK	2498.5	39675	5	1	12	24.85	23.80	0.240
QPSK	2498.5	39675	5	1	24	24.58	23.53	0.225
QPSK	2498.5	39675	5	12	0	24.15	23.10	0.204
QPSK	2498.5	39675	5	12	7	24.11	23.06	0.202
QPSK	2498.5	39675	5	12	13	24.06	23.01	0.200
QPSK	2498.5	39675	5	25	0	24.10	23.05	0.202
QPSK	2593	40620	5	1	0	25.26	24.21	0.264
QPSK	2593	40620	5	1	12	25.38	24.33	0.271
QPSK	2593	40620	5	1	24	25.28	24.23	0.265
QPSK	2593	40620	5	12	0	24.27	23.22	0.210
QPSK	2593	40620	5	12	7	24.23	23.18	0.208
QPSK	2593	40620	5	12	13	24.28	23.23	0.210
QPSK	2593	40620	5	25	0	24.29	23.24	0.211
QPSK	2687.5	41565	5	1	0	25.30	24.25	0.266
QPSK	2687.5	41565	5	1	12	25.39	24.34	0.272
QPSK	2687.5	41565	5	1	24	25.35	24.30	0.269
QPSK	2687.5	41565	5	12	0	24.35	23.30	0.214
QPSK	2687.5	41565	5	12	7	24.35	23.30	0.214
QPSK	2687.5	41565	5	12	13	24.35	23.30	0.214
QPSK	2687.5	41565	5	25	0	24.39	23.34	0.216

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	24.27	23.22	0.210
16QAM	2498.5	39675	5	1	12	24.29	23.24	0.211
16QAM	2498.5	39675	5	1	24	24.23	23.18	0.208
16QAM	2498.5	39675	5	12	0	23.17	22.12	0.163
16QAM	2498.5	39675	5	12	7	23.12	22.07	0.161
16QAM	2498.5	39675	5	12	13	23.09	22.04	0.160
16QAM	2498.5	39675	5	25	0	23.16	22.11	0.163
16QAM	2593	40620	5	1	0	24.47	23.42	0.220
16QAM	2593	40620	5	1	12	24.54	23.49	0.223
16QAM	2593	40620	5	1	24	24.42	23.37	0.217
16QAM	2593	40620	5	12	0	23.30	22.25	0.168
16QAM	2593	40620	5	12	7	23.28	22.23	0.167
16QAM	2593	40620	5	12	13	23.23	22.18	0.165
16QAM	2593	40620	5	25	0	23.31	22.26	0.168
16QAM	2687.5	41565	5	1	0	24.46	23.41	0.219
16QAM	2687.5	41565	5	1	12	24.51	23.46	0.222
16QAM	2687.5	41565	5	1	24	24.52	23.47	0.222
16QAM	2687.5	41565	5	12	0	23.40	22.35	0.172
16QAM	2687.5	41565	5	12	7	23.38	22.33	0.171
16QAM	2687.5	41565	5	12	13	23.36	22.31	0.170
16QAM	2687.5	41565	5	25	0	23.43	22.38	0.173
64QAM	2498.5	39675	5	1	0	23.12	22.07	0.161
64QAM	2498.5	39675	5	1	12	23.05	22.00	0.158
64QAM	2498.5	39675	5	1	24	23.02	21.97	0.157
64QAM	2498.5	39675	5	12	0	22.26	21.21	0.132
64QAM	2498.5	39675	5	12	7	22.12	21.07	0.128
64QAM	2498.5	39675	5	12	13	22.16	21.11	0.129
64QAM	2498.5	39675	5	25	0	22.16	21.11	0.129
64QAM	2593	40620	5	1	0	23.25	22.20	0.166
64QAM	2593	40620	5	1	12	23.29	22.24	0.167
64QAM	2593	40620	5	1	24	23.22	22.17	0.165
64QAM	2593	40620	5	12	0	22.29	21.24	0.133
64QAM	2593	40620	5	12	7	22.27	21.22	0.132
64QAM	2593	40620	5	12	13	22.29	21.24	0.133
64QAM	2593	40620	5	25	0	22.31	21.26	0.134
64QAM	2687.5	41565	5	1	0	23.30	22.25	0.168
64QAM	2687.5	41565	5	1	12	23.38	22.33	0.171
64QAM	2687.5	41565	5	1	24	23.31	22.26	0.168
64QAM	2687.5	41565	5	12	0	22.36	21.31	0.135
64QAM	2687.5	41565	5	12	7	22.40	21.35	0.136
64QAM	2687.5	41565	5	12	13	22.42	21.37	0.137
64QAM	2687.5	41565	5	25	0	22.46	21.41	0.138

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	24.80	23.75	0.237
QPSK	2501	39700	10	1	25	24.44	23.39	0.218
QPSK	2501	39700	10	1	49	24.29	23.24	0.211
QPSK	2501	39700	10	25	0	24.14	23.09	0.204
QPSK	2501	39700	10	25	12	24.10	23.05	0.202
QPSK	2501	39700	10	25	25	24.07	23.02	0.200
QPSK	2501	39700	10	50	0	24.14	23.09	0.204
QPSK	2593	40620	10	1	0	25.34	24.29	0.269
QPSK	2593	40620	10	1	25	25.34	24.29	0.269
QPSK	2593	40620	10	1	49	25.16	24.11	0.258
QPSK	2593	40620	10	25	0	24.22	23.17	0.207
QPSK	2593	40620	10	25	12	24.29	23.24	0.211
QPSK	2593	40620	10	25	25	24.30	23.25	0.211
QPSK	2593	40620	10	50	0	24.28	23.23	0.210
QPSK	2685	41540	10	1	0	25.26	24.21	0.264
QPSK	2685	41540	10	1	25	25.32	24.27	0.267
QPSK	2685	41540	10	1	49	25.31	24.26	0.267
QPSK	2685	41540	10	25	0	24.33	23.28	0.213
QPSK	2685	41540	10	25	12	24.36	23.31	0.214
QPSK	2685	41540	10	25	25	24.34	23.29	0.213
QPSK	2685	41540	10	50	0	24.35	23.30	0.214

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	24.31	23.26	0.212
16QAM	2501	39700	10	1	25	24.24	23.19	0.208
16QAM	2501	39700	10	1	49	24.18	23.13	0.206
16QAM	2501	39700	10	25	0	23.15	22.10	0.162
16QAM	2501	39700	10	25	12	23.14	22.09	0.162
16QAM	2501	39700	10	25	25	23.15	22.10	0.162
16QAM	2501	39700	10	50	0	23.13	22.08	0.161
16QAM	2593	40620	10	1	0	24.50	23.45	0.221
16QAM	2593	40620	10	1	25	24.46	23.41	0.219
16QAM	2593	40620	10	1	49	24.32	23.27	0.212
16QAM	2593	40620	10	25	0	23.26	22.21	0.166
16QAM	2593	40620	10	25	12	23.24	22.19	0.166
16QAM	2593	40620	10	25	25	23.28	22.23	0.167
16QAM	2593	40620	10	50	0	23.29	22.24	0.167
16QAM	2685	41540	10	1	0	24.45	23.40	0.219
16QAM	2685	41540	10	1	25	24.51	23.46	0.222
16QAM	2685	41540	10	1	49	24.49	23.44	0.221
16QAM	2685	41540	10	25	0	23.36	22.31	0.170
16QAM	2685	41540	10	25	12	23.37	22.32	0.171
16QAM	2685	41540	10	25	25	23.41	22.36	0.172
16QAM	2685	41540	10	50	0	23.40	22.35	0.172
64QAM	2501	39700	10	1	0	23.05	22.00	0.158
64QAM	2501	39700	10	1	25	23.00	21.95	0.157
64QAM	2501	39700	10	1	49	23.01	21.96	0.157
64QAM	2501	39700	10	25	0	22.16	21.11	0.129
64QAM	2501	39700	10	25	12	22.15	21.10	0.129
64QAM	2501	39700	10	25	25	22.19	21.14	0.130
64QAM	2501	39700	10	50	0	22.19	21.14	0.130
64QAM	2593	40620	10	1	0	23.21	22.16	0.164
64QAM	2593	40620	10	1	25	23.23	22.18	0.165
64QAM	2593	40620	10	1	49	23.11	22.06	0.161
64QAM	2593	40620	10	25	0	22.26	21.21	0.132
64QAM	2593	40620	10	25	12	22.33	21.28	0.134
64QAM	2593	40620	10	25	25	22.35	21.30	0.135
64QAM	2593	40620	10	50	0	22.23	21.18	0.131
64QAM	2685	41540	10	1	0	23.23	22.18	0.165
64QAM	2685	41540	10	1	25	23.33	22.28	0.169
64QAM	2685	41540	10	1	49	23.24	22.19	0.166
64QAM	2685	41540	10	25	0	22.40	21.35	0.136
64QAM	2685	41540	10	25	12	22.43	21.38	0.137
64QAM	2685	41540	10	25	25	22.43	21.38	0.137
64QAM	2685	41540	10	50	0	22.35	21.30	0.135

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	24.84	23.79	0.239
QPSK	2503.5	39725	15	1	37	24.35	23.30	0.214
QPSK	2503.5	39725	15	1	74	24.40	23.35	0.216
QPSK	2503.5	39725	15	36	0	24.08	23.03	0.201
QPSK	2503.5	39725	15	36	29	24.08	23.03	0.201
QPSK	2503.5	39725	15	36	30	24.01	22.96	0.198
QPSK	2503.5	39725	15	75	0	24.09	23.04	0.201
QPSK	2593	40620	15	1	0	25.28	24.23	0.265
QPSK	2593	40620	15	1	37	25.29	24.24	0.265
QPSK	2593	40620	15	1	74	25.13	24.08	0.256
QPSK	2593	40620	15	36	0	24.21	23.16	0.207
QPSK	2593	40620	15	36	29	24.22	23.17	0.207
QPSK	2593	40620	15	36	30	24.24	23.19	0.208
QPSK	2593	40620	15	75	0	24.24	23.19	0.208
QPSK	2682.5	41515	15	1	0	25.21	24.16	0.261
QPSK	2682.5	41515	15	1	37	25.20	24.15	0.260
QPSK	2682.5	41515	15	1	74	25.29	24.24	0.265
QPSK	2682.5	41515	15	36	0	24.26	23.21	0.209
QPSK	2682.5	41515	15	36	29	24.31	23.26	0.212
QPSK	2682.5	41515	15	36	30	24.32	23.27	0.212
QPSK	2682.5	41515	15	75	0	24.34	23.29	0.213

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	24.36	23.31	0.214
16QAM	2503.5	39725	15	1	37	24.24	23.19	0.208
16QAM	2503.5	39725	15	1	74	24.10	23.05	0.202
16QAM	2503.5	39725	15	36	0	23.12	22.07	0.161
16QAM	2503.5	39725	15	36	29	23.08	22.03	0.160
16QAM	2503.5	39725	15	36	30	23.02	21.97	0.157
16QAM	2503.5	39725	15	75	0	23.05	22.00	0.158
16QAM	2593	40620	15	1	0	24.47	23.42	0.220
16QAM	2593	40620	15	1	37	24.46	23.41	0.219
16QAM	2593	40620	15	1	74	24.26	23.21	0.209
16QAM	2593	40620	15	36	0	23.23	22.18	0.165
16QAM	2593	40620	15	36	29	23.23	22.18	0.165
16QAM	2593	40620	15	36	30	23.21	22.16	0.164
16QAM	2593	40620	15	75	0	23.25	22.20	0.166
16QAM	2682.5	41515	15	1	0	24.40	23.35	0.216
16QAM	2682.5	41515	15	1	37	24.42	23.37	0.217
16QAM	2682.5	41515	15	1	74	24.49	23.44	0.221
16QAM	2682.5	41515	15	36	0	23.24	22.19	0.166
16QAM	2682.5	41515	15	36	29	23.30	22.25	0.168
16QAM	2682.5	41515	15	36	30	23.29	22.24	0.167
16QAM	2682.5	41515	15	75	0	23.29	22.24	0.167
64QAM	2503.5	39725	15	1	0	23.09	22.04	0.160
64QAM	2503.5	39725	15	1	37	23.01	21.96	0.157
64QAM	2503.5	39725	15	1	74	22.90	21.85	0.153
64QAM	2503.5	39725	15	36	0	22.16	21.11	0.129
64QAM	2503.5	39725	15	36	29	22.05	21.00	0.126
64QAM	2503.5	39725	15	36	30	22.06	21.01	0.126
64QAM	2503.5	39725	15	75	0	22.15	21.10	0.129
64QAM	2593	40620	15	1	0	23.18	22.13	0.163
64QAM	2593	40620	15	1	37	23.29	22.24	0.167
64QAM	2593	40620	15	1	74	23.08	22.03	0.160
64QAM	2593	40620	15	36	0	22.20	21.15	0.130
64QAM	2593	40620	15	36	29	22.26	21.21	0.132
64QAM	2593	40620	15	36	30	22.24	21.19	0.132
64QAM	2593	40620	15	75	0	22.26	21.21	0.132
64QAM	2682.5	41515	15	1	0	23.20	22.15	0.164
64QAM	2682.5	41515	15	1	37	23.28	22.23	0.167
64QAM	2682.5	41515	15	1	74	23.25	22.20	0.166
64QAM	2682.5	41515	15	36	0	22.26	21.21	0.132
64QAM	2682.5	41515	15	36	29	22.32	21.27	0.134
64QAM	2682.5	41515	15	36	30	22.29	21.24	0.133
64QAM	2682.5	41515	15	75	0	22.29	21.24	0.133

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	24.61	23.56	0.227
QPSK	2506	39750	20	1	49	24.29	23.24	0.211
QPSK	2506	39750	20	1	99	24.28	23.23	0.210
QPSK	2506	39750	20	50	0	24.06	23.01	0.200
QPSK	2506	39750	20	50	24	24.11	23.06	0.202
QPSK	2506	39750	20	50	50	24.13	23.08	0.203
QPSK	2506	39750	20	100	0	24.14	23.09	0.204
QPSK	2593	40620	20	1	0	25.24	24.19	0.262
QPSK	2593	40620	20	1	49	25.27	24.22	0.264
QPSK	2593	40620	20	1	99	25.07	24.02	0.252
QPSK	2593	40620	20	50	0	24.29	23.24	0.211
QPSK	2593	40620	20	50	24	24.27	23.22	0.210
QPSK	2593	40620	20	50	50	24.28	23.23	0.210
QPSK	2593	40620	20	100	0	24.25	23.20	0.209
QPSK	2680	41490	20	1	0	25.18	24.13	0.259
QPSK	2680	41490	20	1	49	25.33	24.28	0.268
QPSK	2680	41490	20	1	99	25.26	24.21	0.264
QPSK	2680	41490	20	50	0	24.23	23.18	0.208
QPSK	2680	41490	20	50	24	24.36	23.31	0.214
QPSK	2680	41490	20	50	50	24.31	23.26	0.212
QPSK	2680	41490	20	100	0	24.32	23.27	0.212



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	24.29	23.24	0.211
16QAM	2506	39750	20	1	49	24.33	23.28	0.213
16QAM	2506	39750	20	1	99	24.06	23.01	0.200
16QAM	2506	39750	20	50	0	23.12	22.07	0.161
16QAM	2506	39750	20	50	24	23.15	22.10	0.162
16QAM	2506	39750	20	50	50	23.13	22.08	0.161
16QAM	2506	39750	20	100	0	23.14	22.09	0.162
16QAM	2593	40620	20	1	0	24.53	23.48	0.223
16QAM	2593	40620	20	1	49	24.48	23.43	0.220
16QAM	2593	40620	20	1	99	24.21	23.16	0.207
16QAM	2593	40620	20	50	0	23.27	22.22	0.167
16QAM	2593	40620	20	50	24	23.28	22.23	0.167
16QAM	2593	40620	20	50	50	23.29	22.24	0.167
16QAM	2593	40620	20	100	0	23.28	22.23	0.167
16QAM	2680	41490	20	1	0	24.35	23.30	0.214
16QAM	2680	41490	20	1	49	24.74	23.69	0.234
16QAM	2680	41490	20	1	99	24.43	23.38	0.218
16QAM	2680	41490	20	50	0	23.33	22.28	0.169
16QAM	2680	41490	20	50	24	23.37	22.32	0.171
16QAM	2680	41490	20	50	50	23.35	22.30	0.170
16QAM	2680	41490	20	100	0	23.28	22.23	0.167
64QAM	2506	39750	20	1	0	23.11	22.06	0.161
64QAM	2506	39750	20	1	49	23.04	21.99	0.158
64QAM	2506	39750	20	1	99	22.81	21.76	0.150
64QAM	2506	39750	20	50	0	22.09	21.04	0.127
64QAM	2506	39750	20	50	24	22.14	21.09	0.129
64QAM	2506	39750	20	50	50	22.10	21.05	0.127
64QAM	2506	39750	20	100	0	22.11	21.06	0.128
64QAM	2593	40620	20	1	0	23.21	22.16	0.164
64QAM	2593	40620	20	1	49	23.14	22.09	0.162
64QAM	2593	40620	20	1	99	23.07	22.02	0.159
64QAM	2593	40620	20	50	0	22.24	21.19	0.132
64QAM	2593	40620	20	50	24	22.26	21.21	0.132
64QAM	2593	40620	20	50	50	22.22	21.17	0.131
64QAM	2593	40620	20	100	0	22.25	21.20	0.132
64QAM	2680	41490	20	1	0	23.13	22.08	0.161
64QAM	2680	41490	20	1	49	23.21	22.16	0.164
64QAM	2680	41490	20	1	99	23.22	22.17	0.165
64QAM	2680	41490	20	50	0	22.23	21.18	0.131
64QAM	2680	41490	20	50	24	22.31	21.26	0.134
64QAM	2680	41490	20	50	50	22.31	21.26	0.134
64QAM	2680	41490	20	100	0	22.28	21.23	0.133