

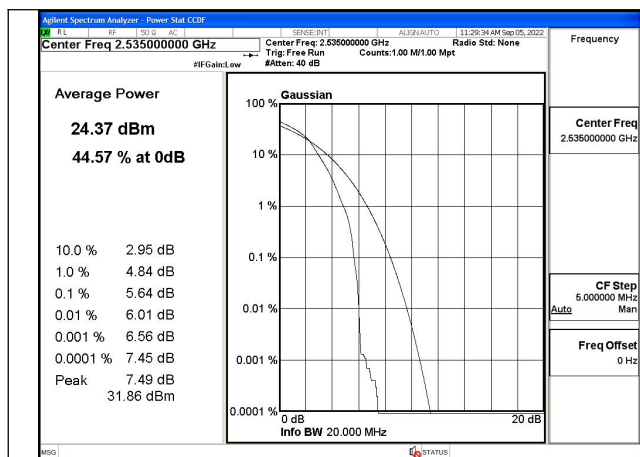


Fig.61

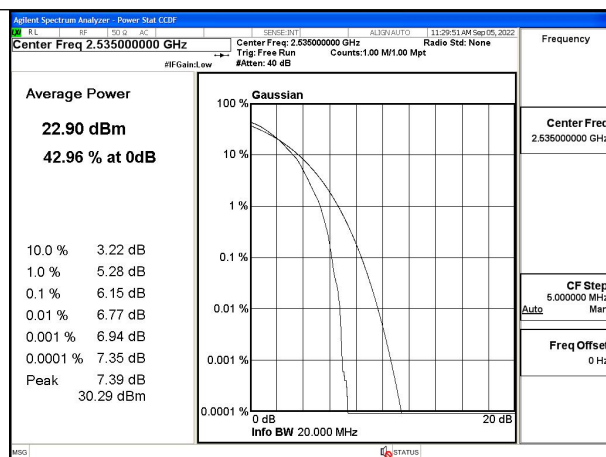


Fig.62

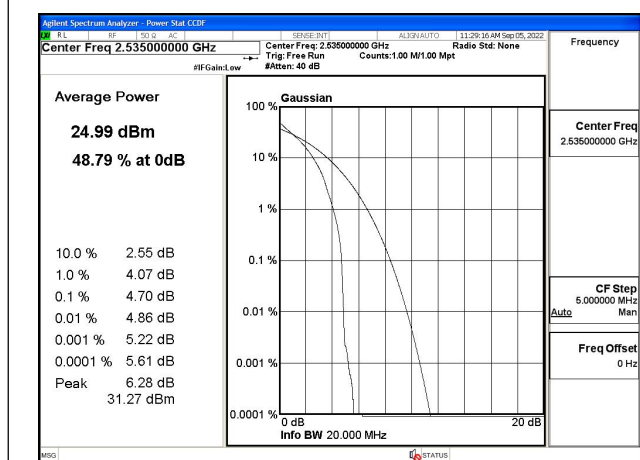


Fig.63

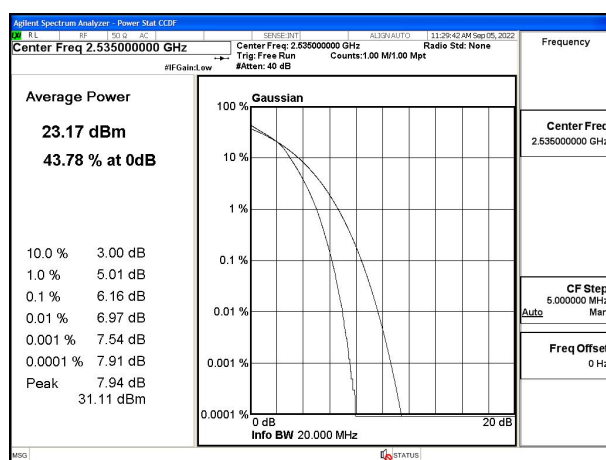


Fig.64

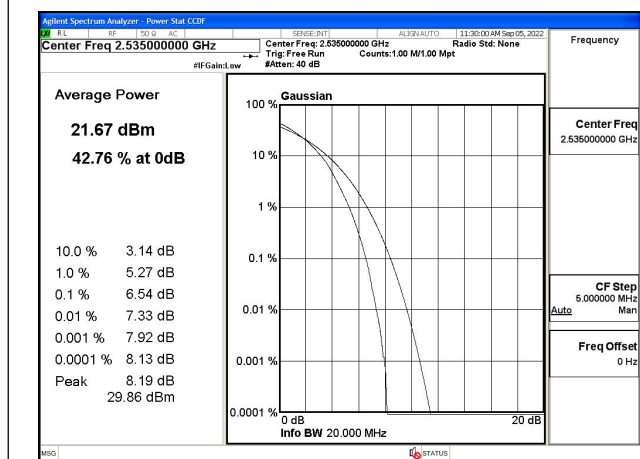


Fig.65

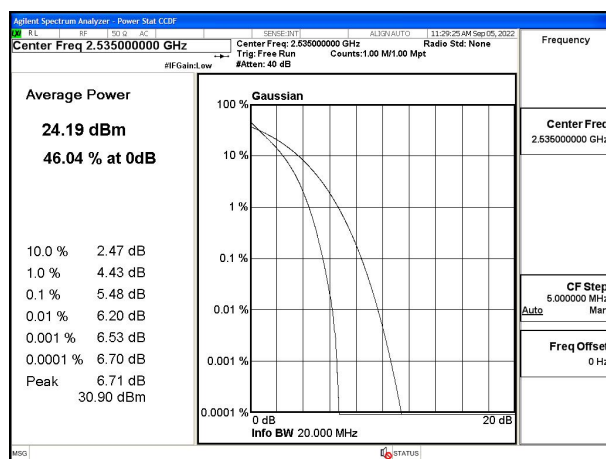


Fig.66

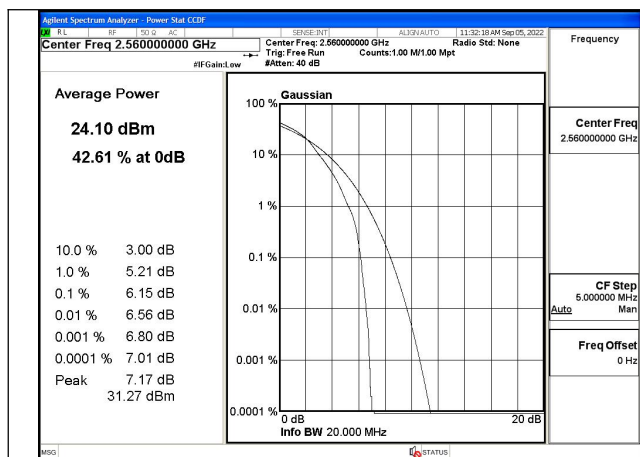


Fig.67

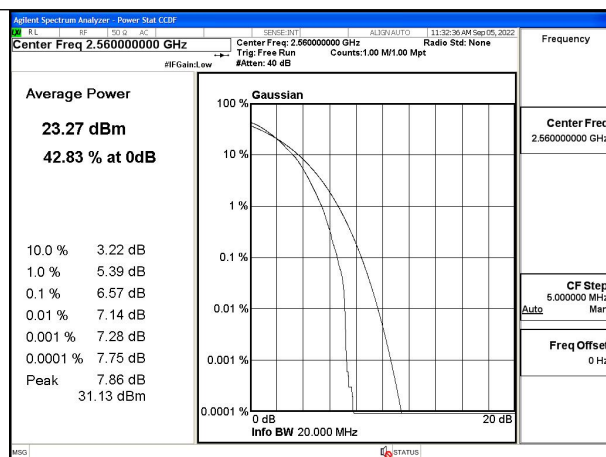


Fig.68

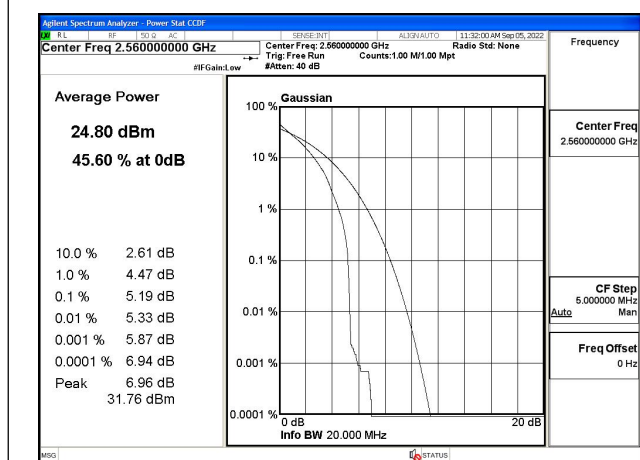


Fig.69

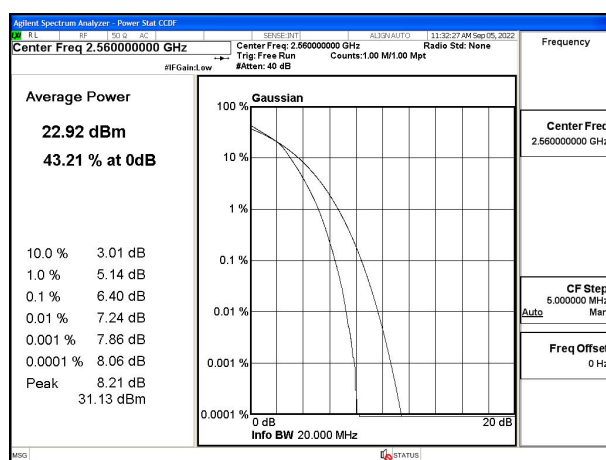


Fig.70

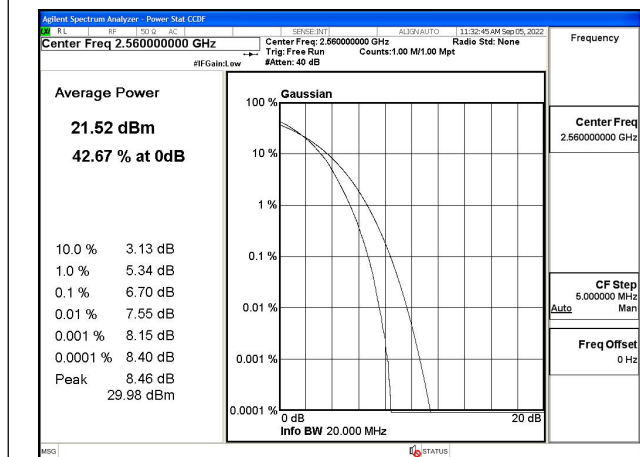


Fig.71

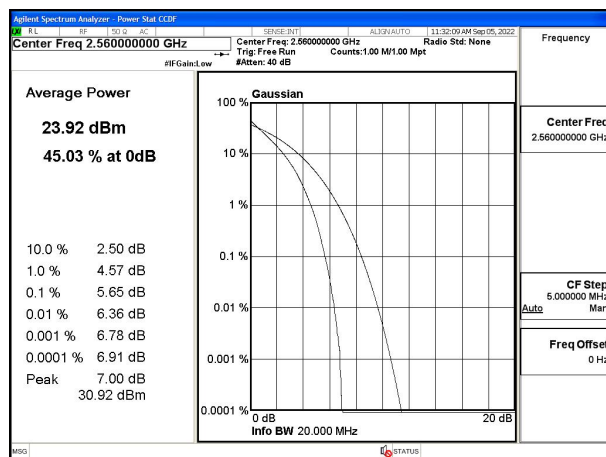


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	0	Fig.1
7	2535	21100	20	1	0	Fig.2
7	2560	21350	20	1	0	Fig.3



Fig.1

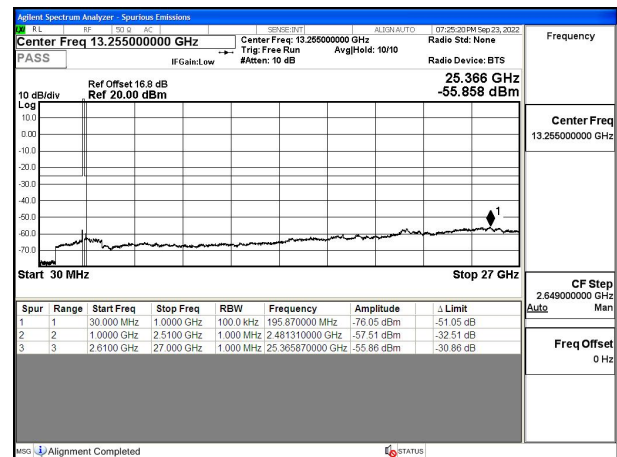


Fig.2

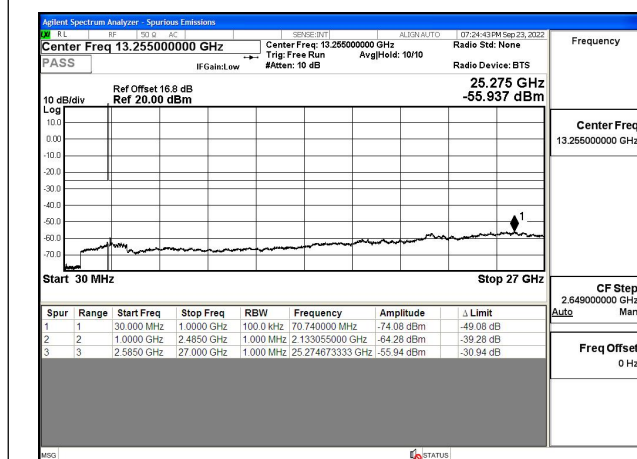


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
7	QPSK	2502.5	20775	5	1	0	Fig.1
7	QPSK	2502.5	20775	5	25	0	Fig.2
7	QPSK	2567.5	21425	5	1	24	Fig.3
7	QPSK	2567.5	21425	5	25	0	Fig.4
7	QPSK	2505	20800	10	1	0	Fig.5
7	QPSK	2505	20800	10	50	0	Fig.6
7	QPSK	2565	21400	10	1	49	Fig.7
7	QPSK	2565	21400	10	50	0	Fig.8
7	QPSK	2507.5	20825	15	1	0	Fig.9
7	QPSK	2507.5	20825	15	75	0	Fig.10
7	QPSK	2562.5	21375	15	1	74	Fig.11
7	QPSK	2562.5	21375	15	75	0	Fig.12
7	QPSK	2510	20850	20	1	0	Fig.13
7	QPSK	2510	20850	20	100	0	Fig.14
7	QPSK	2560	21350	20	1	99	Fig.15
7	QPSK	2560	21350	20	100	0	Fig.16

Test Mode: QPSK

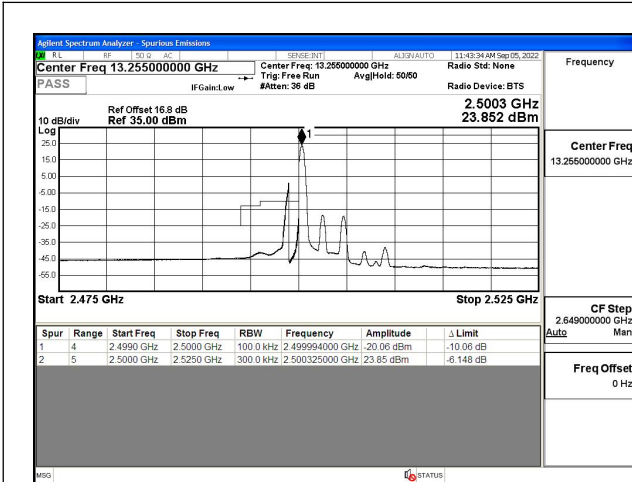


Fig.1

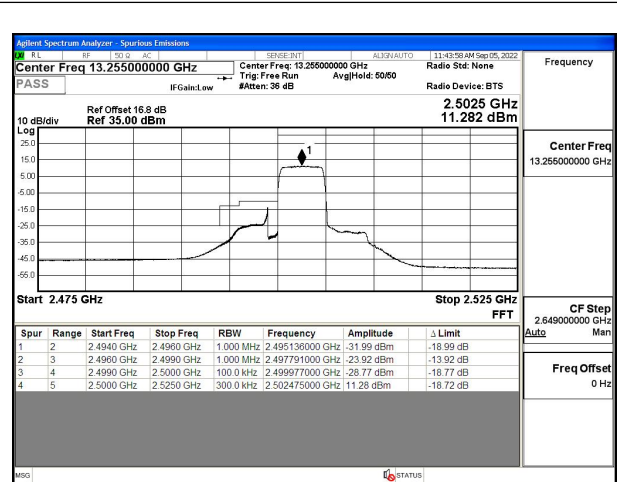


Fig.2

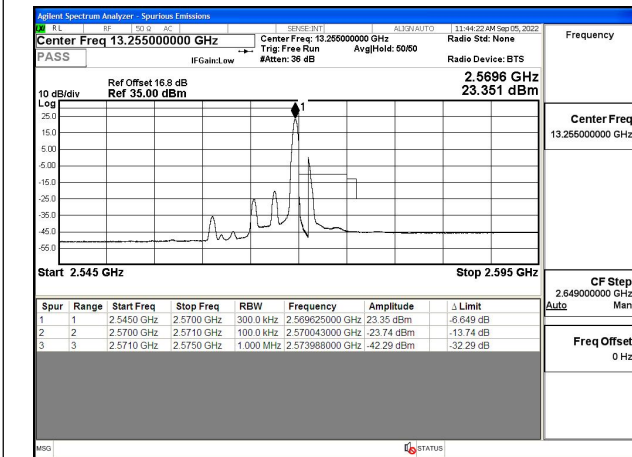


Fig.3

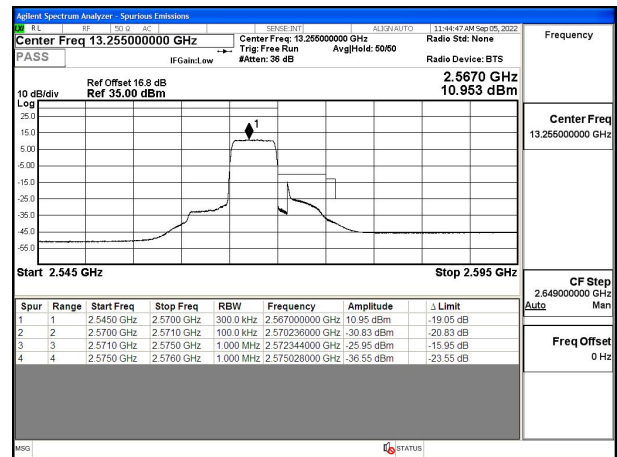


Fig.4

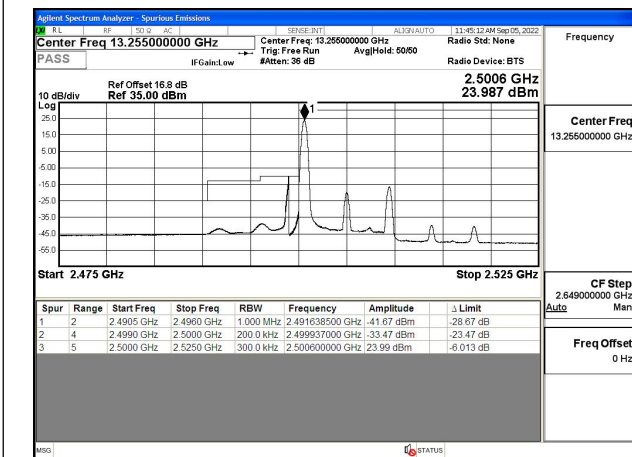


Fig.5

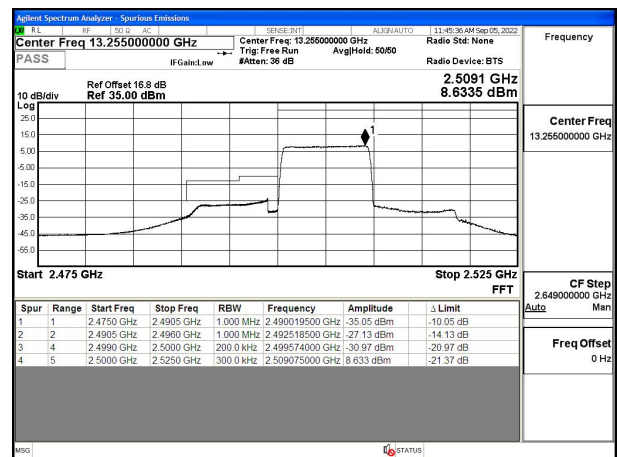


Fig.6

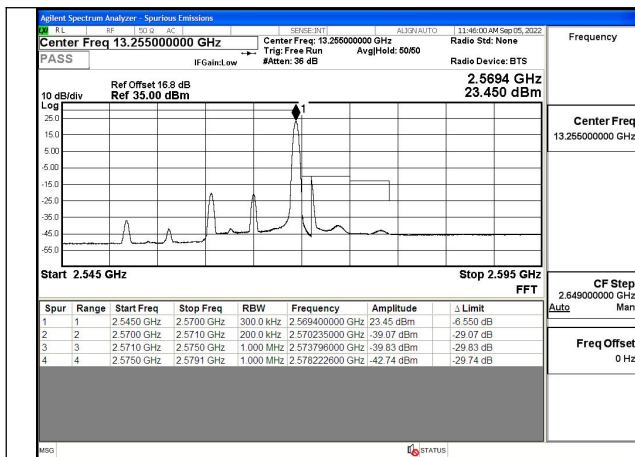


Fig.7

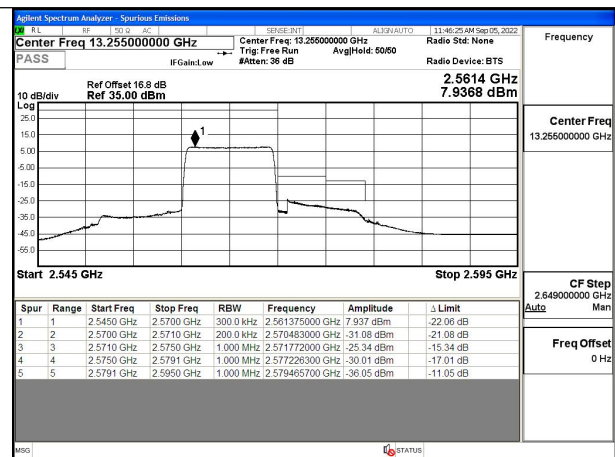


Fig.8

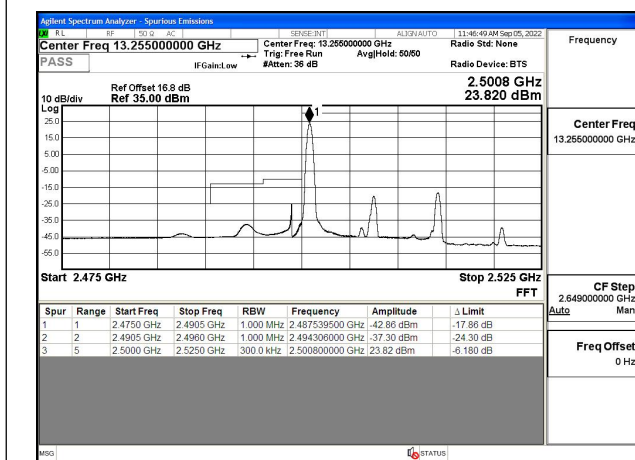


Fig.9

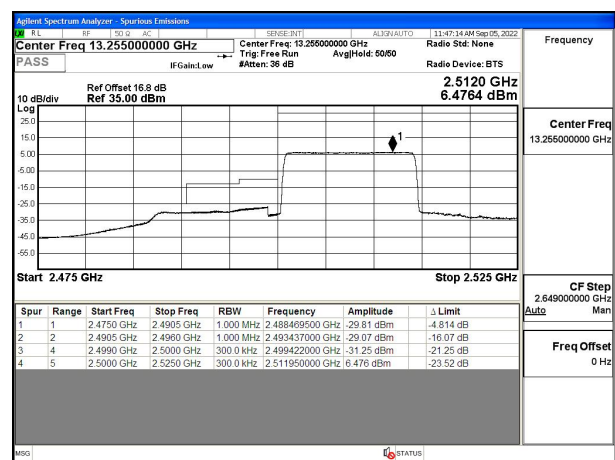


Fig.10

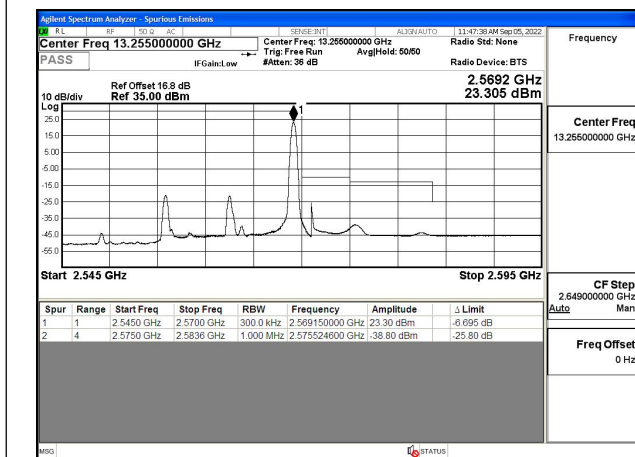


Fig.11

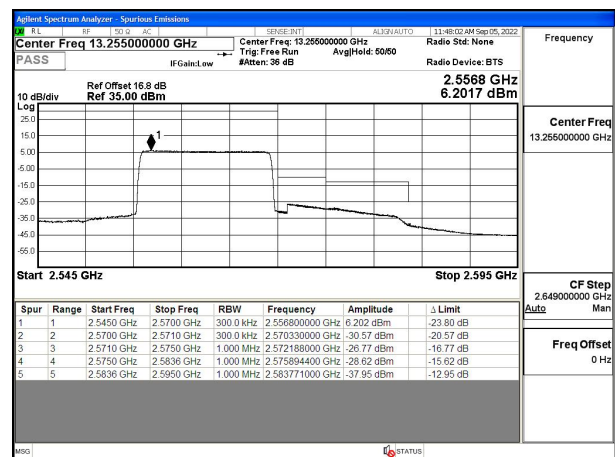


Fig.12

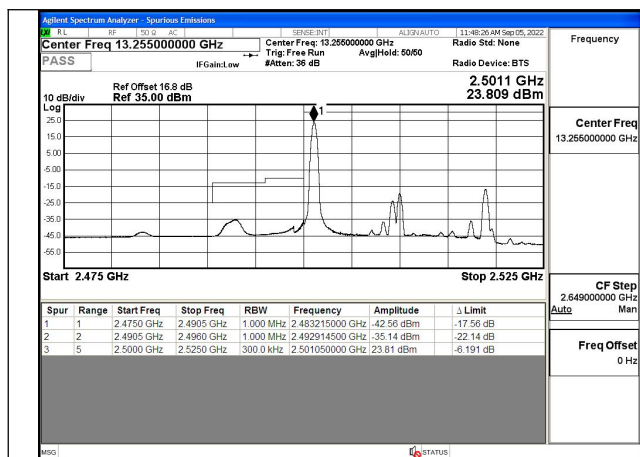


Fig.13

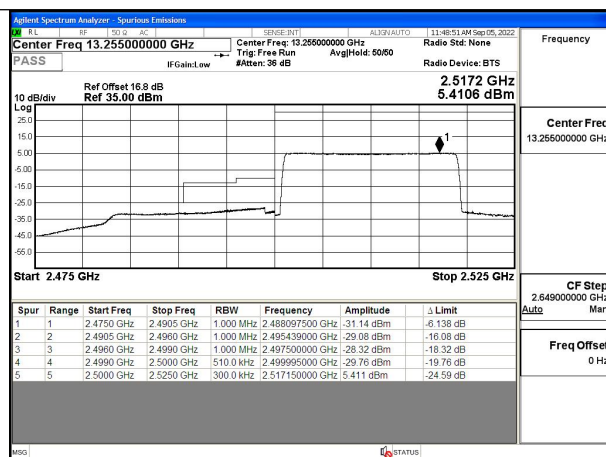


Fig.14

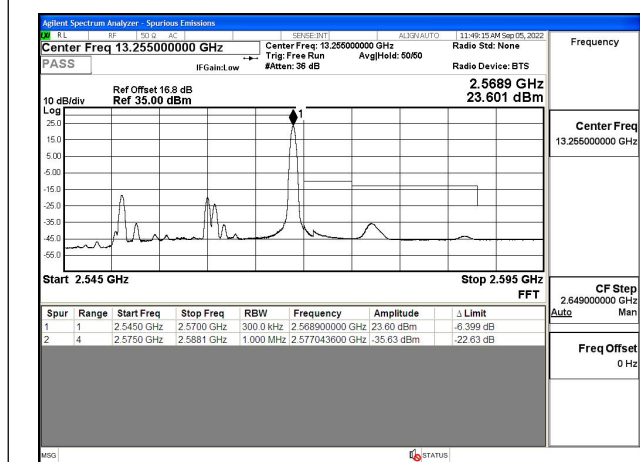


Fig.15

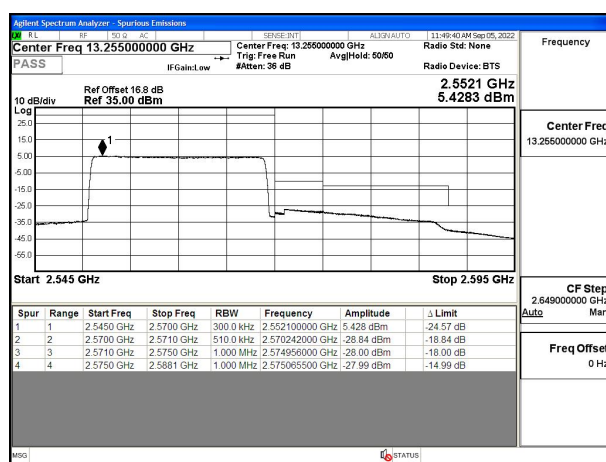


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 7 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.008	0.007	-0.007	0.004
0	NV	0.021	-0.005	-0.005	0.013
+10	NV	-0.004	0.002	0.012	-0.003
+20	NV	0.007	0.005	0.007	-0.003
+30	NV	0.010	-0.004	0.010	0.016
+40	NV	0.007	0.004	-0.014	0.008
+50	NV	0.013	0.011	0.001	0.002
+55	NV	0.015	0.004	0.003	0.012
+20	LV	0.011	0.004	0.012	-0.011
+20	HV	0.018	0.007	0.008	0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 7 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.010	-0.003	-0.006	-0.006
0	NV	-0.012	0.001	-0.003	-0.009
+10	NV	0.005	-0.005	-0.003	-0.009
+20	NV	-0.009	-0.002	-0.010	-0.010
+30	NV	-0.003	-0.004	-0.010	-0.002
+40	NV	-0.008	-0.003	0.016	-0.003
+50	NV	-0.009	-0.007	-0.012	0.004
+55	NV	-0.015	-0.009	-0.010	-0.008
+20	LV	-0.018	-0.003	-0.010	-0.010
+20	HV	-0.010	-0.013	0.005	-0.011

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	2502.5	20775	5	1	0	24.38	23.18	0.208
QPSK	2502.5	20775	5	1	12	24.16	22.96	0.198
QPSK	2502.5	20775	5	1	24	24.19	22.99	0.199
QPSK	2502.5	20775	5	12	0	23.51	22.31	0.170
QPSK	2502.5	20775	5	12	7	23.34	22.14	0.164
QPSK	2502.5	20775	5	12	13	23.39	22.19	0.166
QPSK	2502.5	20775	5	25	0	23.41	22.21	0.166
QPSK	2535	21100	5	1	0	24.98	23.78	0.239
QPSK	2535	21100	5	1	12	24.83	23.63	0.231
QPSK	2535	21100	5	1	24	24.71	23.51	0.224
QPSK	2535	21100	5	12	0	23.57	22.37	0.173
QPSK	2535	21100	5	12	7	23.75	22.55	0.180
QPSK	2535	21100	5	12	13	23.91	22.71	0.187
QPSK	2535	21100	5	25	0	23.60	22.40	0.174
QPSK	2567.5	21425	5	1	0	24.65	23.45	0.221
QPSK	2567.5	21425	5	1	12	25.07	23.87	0.244
QPSK	2567.5	21425	5	1	24	24.79	23.59	0.229
QPSK	2567.5	21425	5	12	0	23.95	22.75	0.188
QPSK	2567.5	21425	5	12	7	23.69	22.49	0.177
QPSK	2567.5	21425	5	12	13	23.94	22.74	0.188
QPSK	2567.5	21425	5	25	0	23.94	22.74	0.188

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2502.5	20775	5	1	0	24.09	22.89	0.195
16QAM	2502.5	20775	5	1	12	23.96	22.76	0.189
16QAM	2502.5	20775	5	1	24	23.73	22.53	0.179
16QAM	2502.5	20775	5	12	0	22.65	21.45	0.140
16QAM	2502.5	20775	5	12	7	22.46	21.26	0.134
16QAM	2502.5	20775	5	12	13	22.52	21.32	0.136
16QAM	2502.5	20775	5	25	0	22.40	21.20	0.132
16QAM	2535	21100	5	1	0	24.01	22.81	0.191
16QAM	2535	21100	5	1	12	23.92	22.72	0.187
16QAM	2535	21100	5	1	24	23.86	22.66	0.185
16QAM	2535	21100	5	12	0	22.77	21.57	0.144
16QAM	2535	21100	5	12	7	22.69	21.49	0.141
16QAM	2535	21100	5	12	13	22.54	21.34	0.136
16QAM	2535	21100	5	25	0	22.75	21.55	0.143
16QAM	2567.5	21425	5	1	0	24.66	23.46	0.222
16QAM	2567.5	21425	5	1	12	24.60	23.40	0.219
16QAM	2567.5	21425	5	1	24	24.52	23.32	0.215
16QAM	2567.5	21425	5	12	0	23.16	21.96	0.157
16QAM	2567.5	21425	5	12	7	22.68	21.48	0.141
16QAM	2567.5	21425	5	12	13	22.85	21.65	0.146
16QAM	2567.5	21425	5	25	0	22.60	21.40	0.138
64QAM	2502.5	20775	5	1	0	22.44	21.24	0.133
64QAM	2502.5	20775	5	1	12	22.19	20.99	0.126
64QAM	2502.5	20775	5	1	24	22.25	21.05	0.127
64QAM	2502.5	20775	5	12	0	21.09	19.89	0.097
64QAM	2502.5	20775	5	12	7	21.05	19.85	0.097
64QAM	2502.5	20775	5	12	13	20.98	19.78	0.095
64QAM	2502.5	20775	5	25	0	20.86	19.66	0.092
64QAM	2535	21100	5	1	0	22.81	21.61	0.145
64QAM	2535	21100	5	1	12	22.44	21.24	0.133
64QAM	2535	21100	5	1	24	22.60	21.40	0.138
64QAM	2535	21100	5	12	0	21.21	20.01	0.100
64QAM	2535	21100	5	12	7	21.20	20.00	0.100
64QAM	2535	21100	5	12	13	21.21	20.01	0.100
64QAM	2535	21100	5	25	0	21.16	19.96	0.099
64QAM	2567.5	21425	5	1	0	22.56	21.36	0.137
64QAM	2567.5	21425	5	1	12	22.72	21.52	0.142
64QAM	2567.5	21425	5	1	24	22.28	21.08	0.128
64QAM	2567.5	21425	5	12	0	21.38	20.18	0.104
64QAM	2567.5	21425	5	12	7	21.38	20.18	0.104
64QAM	2567.5	21425	5	12	13	21.47	20.27	0.106
64QAM	2567.5	21425	5	25	0	21.71	20.51	0.112

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2505	20800	10	1	0	25.07	23.87	0.244
QPSK	2505	20800	10	1	25	24.58	23.38	0.218
QPSK	2505	20800	10	1	49	24.64	23.44	0.221
QPSK	2505	20800	10	25	0	23.59	22.39	0.173
QPSK	2505	20800	10	25	12	23.55	22.35	0.172
QPSK	2505	20800	10	25	25	23.59	22.39	0.173
QPSK	2505	20800	10	50	0	23.42	22.22	0.167
QPSK	2535	21100	10	1	0	24.78	23.58	0.228
QPSK	2535	21100	10	1	25	24.65	23.45	0.221
QPSK	2535	21100	10	1	49	24.68	23.48	0.223
QPSK	2535	21100	10	25	0	23.96	22.76	0.189
QPSK	2535	21100	10	25	12	23.84	22.64	0.184
QPSK	2535	21100	10	25	25	23.68	22.48	0.177
QPSK	2535	21100	10	50	0	23.65	22.45	0.176
QPSK	2565	21400	10	1	0	24.97	23.77	0.238
QPSK	2565	21400	10	1	25	24.93	23.73	0.236
QPSK	2565	21400	10	1	49	25.11	23.91	0.246
QPSK	2565	21400	10	25	0	23.68	22.48	0.177
QPSK	2565	21400	10	25	12	23.78	22.58	0.181
QPSK	2565	21400	10	25	25	23.87	22.67	0.185
QPSK	2565	21400	10	50	0	23.79	22.59	0.182

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2505	20800	10	1	0	23.91	22.71	0.187
16QAM	2505	20800	10	1	25	24.47	23.27	0.212
16QAM	2505	20800	10	1	49	24.48	23.28	0.213
16QAM	2505	20800	10	25	0	22.63	21.43	0.139
16QAM	2505	20800	10	25	12	22.56	21.36	0.137
16QAM	2505	20800	10	25	25	22.62	21.42	0.139
16QAM	2505	20800	10	50	0	22.61	21.41	0.138
16QAM	2535	21100	10	1	0	24.16	22.96	0.198
16QAM	2535	21100	10	1	25	24.33	23.13	0.206
16QAM	2535	21100	10	1	49	24.20	23.00	0.200
16QAM	2535	21100	10	25	0	22.66	21.46	0.140
16QAM	2535	21100	10	25	12	22.64	21.44	0.139
16QAM	2535	21100	10	25	25	22.68	21.48	0.141
16QAM	2535	21100	10	50	0	22.68	21.48	0.141
16QAM	2565	21400	10	1	0	23.98	22.78	0.190
16QAM	2565	21400	10	1	25	24.28	23.08	0.203
16QAM	2565	21400	10	1	49	24.02	22.82	0.191
16QAM	2565	21400	10	25	0	22.99	21.79	0.151
16QAM	2565	21400	10	25	12	23.05	21.85	0.153
16QAM	2565	21400	10	25	25	22.98	21.78	0.151
16QAM	2565	21400	10	50	0	22.78	21.58	0.144
64QAM	2505	20800	10	1	0	22.24	21.04	0.127
64QAM	2505	20800	10	1	25	22.66	21.46	0.140
64QAM	2505	20800	10	1	49	22.79	21.59	0.144
64QAM	2505	20800	10	25	0	21.27	20.07	0.102
64QAM	2505	20800	10	25	12	21.06	19.86	0.097
64QAM	2505	20800	10	25	25	21.32	20.12	0.103
64QAM	2505	20800	10	50	0	21.41	20.21	0.105
64QAM	2535	21100	10	1	0	22.73	21.53	0.142
64QAM	2535	21100	10	1	25	22.79	21.59	0.144
64QAM	2535	21100	10	1	49	22.91	21.71	0.148
64QAM	2535	21100	10	25	0	21.45	20.25	0.106
64QAM	2535	21100	10	25	12	21.39	20.19	0.104
64QAM	2535	21100	10	25	25	21.54	20.34	0.108
64QAM	2535	21100	10	50	0	21.48	20.28	0.107
64QAM	2565	21400	10	1	0	23.02	21.82	0.152
64QAM	2565	21400	10	1	25	23.49	22.29	0.169
64QAM	2565	21400	10	1	49	22.92	21.72	0.149
64QAM	2565	21400	10	25	0	21.33	20.13	0.103
64QAM	2565	21400	10	25	12	21.43	20.23	0.105
64QAM	2565	21400	10	25	25	21.26	20.06	0.101
64QAM	2565	21400	10	50	0	21.64	20.44	0.111

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	24.84	23.64	0.231
QPSK	2507.5	20825	15	1	37	24.76	23.56	0.227
QPSK	2507.5	20825	15	1	74	24.60	23.40	0.219
QPSK	2507.5	20825	15	36	0	23.68	22.48	0.177
QPSK	2507.5	20825	15	36	29	23.71	22.51	0.178
QPSK	2507.5	20825	15	36	30	23.56	22.36	0.172
QPSK	2507.5	20825	15	75	0	23.57	22.37	0.173
QPSK	2535	21100	15	1	0	24.98	23.78	0.239
QPSK	2535	21100	15	1	37	25.01	23.81	0.240
QPSK	2535	21100	15	1	74	24.81	23.61	0.230
QPSK	2535	21100	15	36	0	23.68	22.48	0.177
QPSK	2535	21100	15	36	29	23.69	22.49	0.177
QPSK	2535	21100	15	36	30	23.82	22.62	0.183
QPSK	2535	21100	15	75	0	23.96	22.76	0.189
QPSK	2562.5	21375	15	1	0	25.02	23.82	0.241
QPSK	2562.5	21375	15	1	37	24.99	23.79	0.239
QPSK	2562.5	21375	15	1	74	25.12	23.92	0.247
QPSK	2562.5	21375	15	36	0	23.82	22.62	0.183
QPSK	2562.5	21375	15	36	29	23.72	22.52	0.179
QPSK	2562.5	21375	15	36	30	23.70	22.50	0.178
QPSK	2562.5	21375	15	75	0	23.79	22.59	0.182

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2507.5	20825	15	1	0	24.80	23.60	0.229
16QAM	2507.5	20825	15	1	37	24.30	23.10	0.204
16QAM	2507.5	20825	15	1	74	24.03	22.83	0.192
16QAM	2507.5	20825	15	36	0	22.52	21.32	0.136
16QAM	2507.5	20825	15	36	29	22.69	21.49	0.141
16QAM	2507.5	20825	15	36	30	22.67	21.47	0.140
16QAM	2507.5	20825	15	75	0	22.68	21.48	0.141
16QAM	2535	21100	15	1	0	24.57	23.37	0.217
16QAM	2535	21100	15	1	37	24.10	22.90	0.195
16QAM	2535	21100	15	1	74	23.97	22.77	0.189
16QAM	2535	21100	15	36	0	22.71	21.51	0.142
16QAM	2535	21100	15	36	29	22.88	21.68	0.147
16QAM	2535	21100	15	36	30	22.93	21.73	0.149
16QAM	2535	21100	15	75	0	22.71	21.51	0.142
16QAM	2562.5	21375	15	1	0	23.85	22.65	0.184
16QAM	2562.5	21375	15	1	37	24.63	23.43	0.220
16QAM	2562.5	21375	15	1	74	24.33	23.13	0.206
16QAM	2562.5	21375	15	36	0	22.77	21.57	0.144
16QAM	2562.5	21375	15	36	29	22.62	21.42	0.139
16QAM	2562.5	21375	15	36	30	22.81	21.61	0.145
16QAM	2562.5	21375	15	75	0	22.84	21.64	0.146
64QAM	2507.5	20825	15	1	0	22.53	21.33	0.136
64QAM	2507.5	20825	15	1	37	23.24	22.04	0.160
64QAM	2507.5	20825	15	1	74	22.84	21.64	0.146
64QAM	2507.5	20825	15	36	0	21.45	20.25	0.106
64QAM	2507.5	20825	15	36	29	20.84	19.64	0.092
64QAM	2507.5	20825	15	36	30	21.57	20.37	0.109
64QAM	2507.5	20825	15	75	0	21.43	20.23	0.105
64QAM	2535	21100	15	1	0	23.11	21.91	0.155
64QAM	2535	21100	15	1	37	23.00	21.80	0.151
64QAM	2535	21100	15	1	74	23.06	21.86	0.153
64QAM	2535	21100	15	36	0	21.31	20.11	0.103
64QAM	2535	21100	15	36	29	21.45	20.25	0.106
64QAM	2535	21100	15	36	30	21.44	20.24	0.106
64QAM	2535	21100	15	75	0	21.52	20.32	0.108
64QAM	2562.5	21375	15	1	0	22.57	21.37	0.137
64QAM	2562.5	21375	15	1	37	22.74	21.54	0.143
64QAM	2562.5	21375	15	1	74	22.70	21.50	0.141
64QAM	2562.5	21375	15	36	0	21.29	20.09	0.102
64QAM	2562.5	21375	15	36	29	21.45	20.25	0.106
64QAM	2562.5	21375	15	36	30	21.45	20.25	0.106
64QAM	2562.5	21375	15	75	0	21.36	20.16	0.104

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2510	20850	20	1	0	24.92	23.72	0.236
QPSK	2510	20850	20	1	49	24.89	23.69	0.234
QPSK	2510	20850	20	1	99	24.56	23.36	0.217
QPSK	2510	20850	20	50	0	23.77	22.57	0.181
QPSK	2510	20850	20	50	24	23.75	22.55	0.180
QPSK	2510	20850	20	50	50	23.40	22.20	0.166
QPSK	2510	20850	20	100	0	23.57	22.37	0.173
QPSK	2535	21100	20	1	0	24.71	23.51	0.224
QPSK	2535	21100	20	1	49	24.70	23.50	0.224
QPSK	2535	21100	20	1	99	24.64	23.44	0.221
QPSK	2535	21100	20	50	0	23.74	22.54	0.179
QPSK	2535	21100	20	50	24	23.61	22.41	0.174
QPSK	2535	21100	20	50	50	23.58	22.38	0.173
QPSK	2535	21100	20	100	0	23.76	22.56	0.180
QPSK	2560	21350	20	1	0	25.12	23.92	0.247
QPSK	2560	21350	20	1	49	24.85	23.65	0.232
QPSK	2560	21350	20	1	99	25.04	23.84	0.242
QPSK	2560	21350	20	50	0	23.69	22.49	0.177
QPSK	2560	21350	20	50	24	23.68	22.48	0.177
QPSK	2560	21350	20	50	50	23.69	22.49	0.177
QPSK	2560	21350	20	100	0	23.85	22.65	0.184

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2510	20850	20	1	0	23.83	22.63	0.183
16QAM	2510	20850	20	1	49	23.98	22.78	0.190
16QAM	2510	20850	20	1	99	23.94	22.74	0.188
16QAM	2510	20850	20	50	0	22.70	21.50	0.141
16QAM	2510	20850	20	50	24	22.78	21.58	0.144
16QAM	2510	20850	20	50	50	22.53	21.33	0.136
16QAM	2510	20850	20	100	0	22.68	21.48	0.141
16QAM	2535	21100	20	1	0	24.80	23.60	0.229
16QAM	2535	21100	20	1	49	23.85	22.65	0.184
16QAM	2535	21100	20	1	99	24.29	23.09	0.204
16QAM	2535	21100	20	50	0	22.90	21.70	0.148
16QAM	2535	21100	20	50	24	22.75	21.55	0.143
16QAM	2535	21100	20	50	50	22.71	21.51	0.142
16QAM	2535	21100	20	100	0	22.72	21.52	0.142
16QAM	2560	21350	20	1	0	24.51	23.31	0.214
16QAM	2560	21350	20	1	49	23.85	22.65	0.184
16QAM	2560	21350	20	1	99	24.13	22.93	0.196
16QAM	2560	21350	20	50	0	22.95	21.75	0.150
16QAM	2560	21350	20	50	24	22.68	21.48	0.141
16QAM	2560	21350	20	50	50	22.73	21.53	0.142
16QAM	2560	21350	20	100	0	22.89	21.69	0.148
64QAM	2510	20850	20	1	0	23.28	22.08	0.161
64QAM	2510	20850	20	1	49	22.76	21.56	0.143
64QAM	2510	20850	20	1	99	22.91	21.71	0.148
64QAM	2510	20850	20	50	0	21.66	20.46	0.111
64QAM	2510	20850	20	50	24	21.65	20.45	0.111
64QAM	2510	20850	20	50	50	21.12	19.92	0.098
64QAM	2510	20850	20	100	0	21.26	20.06	0.101
64QAM	2535	21100	20	1	0	23.50	22.30	0.170
64QAM	2535	21100	20	1	49	22.93	21.73	0.149
64QAM	2535	21100	20	1	99	23.29	22.09	0.162
64QAM	2535	21100	20	50	0	21.66	20.46	0.111
64QAM	2535	21100	20	50	24	21.76	20.56	0.114
64QAM	2535	21100	20	50	50	21.33	20.13	0.103
64QAM	2535	21100	20	100	0	21.43	20.23	0.105
64QAM	2560	21350	20	1	0	23.03	21.83	0.152
64QAM	2560	21350	20	1	49	22.65	21.45	0.140
64QAM	2560	21350	20	1	99	22.48	21.28	0.134
64QAM	2560	21350	20	50	0	21.61	20.41	0.110
64QAM	2560	21350	20	50	24	21.46	20.26	0.106
64QAM	2560	21350	20	50	50	21.47	20.27	0.106
64QAM	2560	21350	20	100	0	21.25	20.05	0.101