

Fig.61

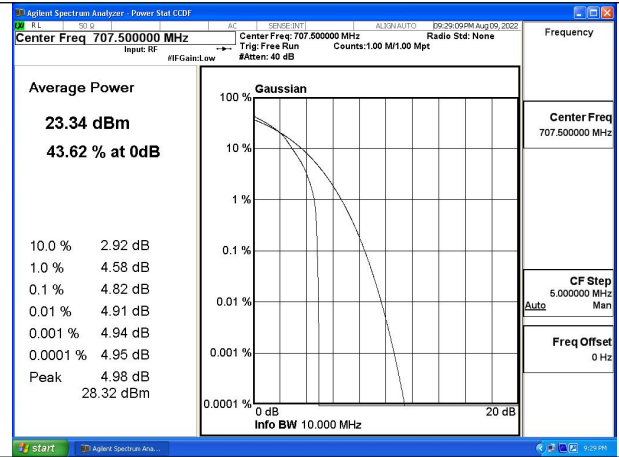


Fig.62

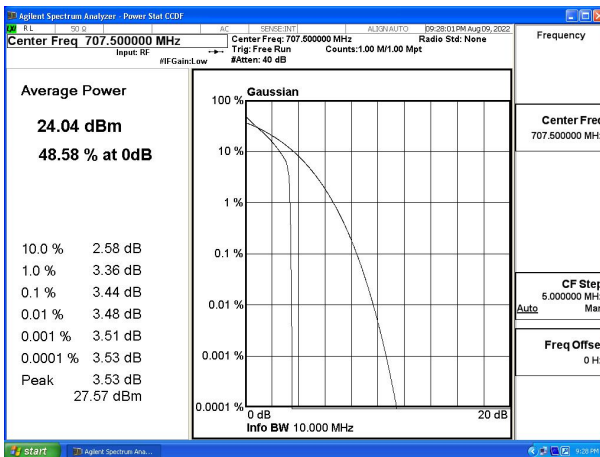


Fig.63

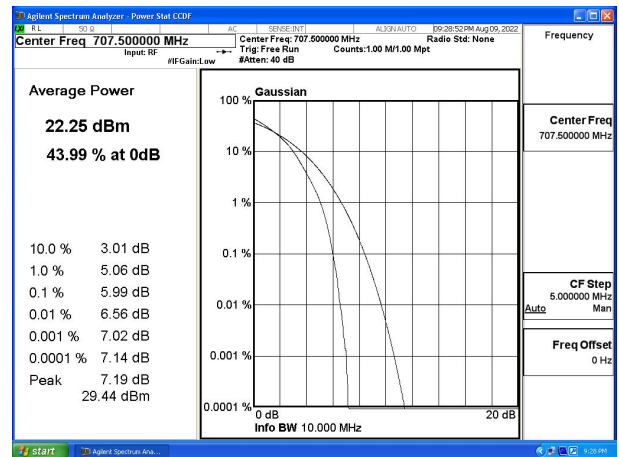


Fig.64

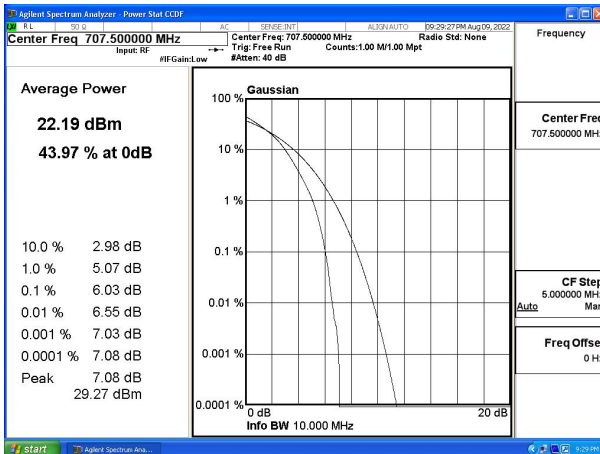


Fig.65

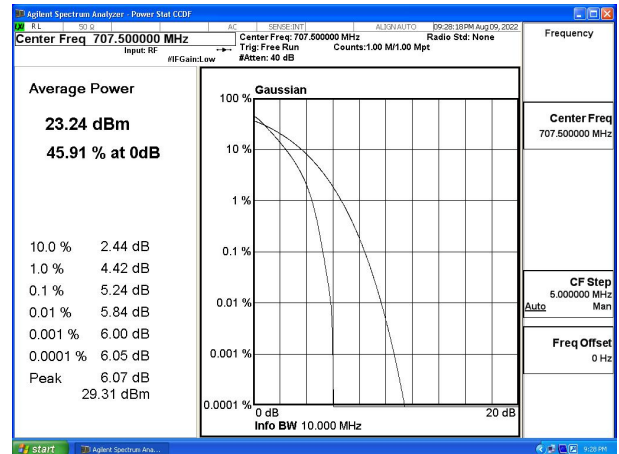


Fig.66

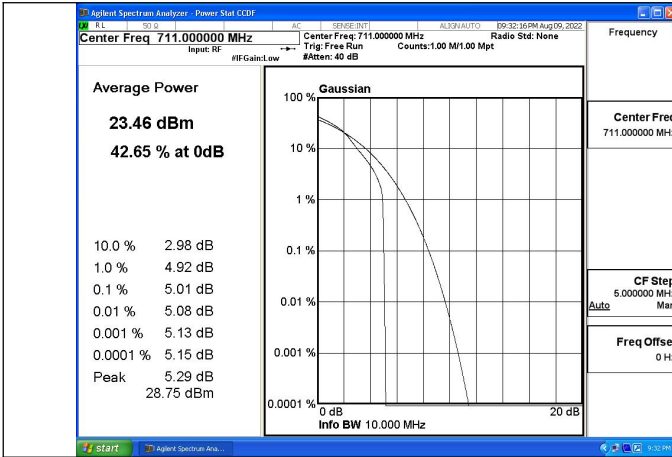


Fig.67

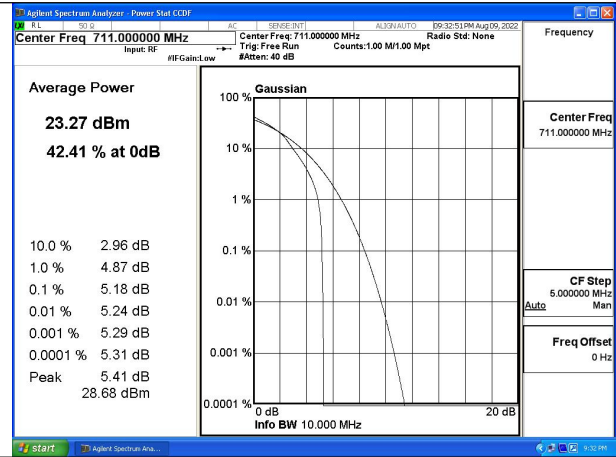


Fig.68

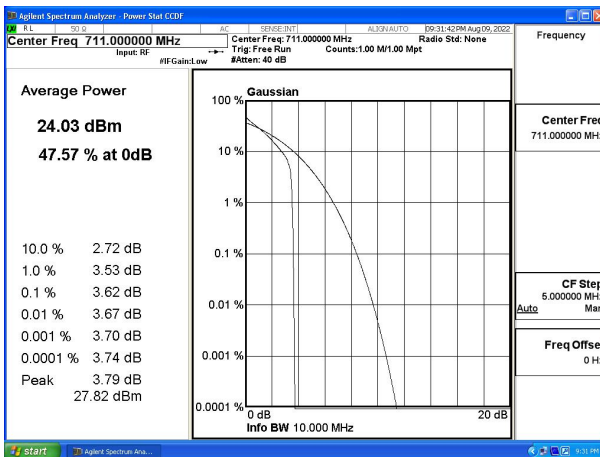


Fig.69

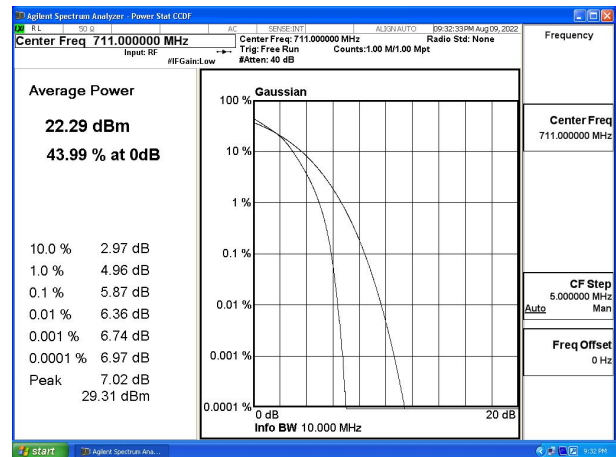


Fig.70

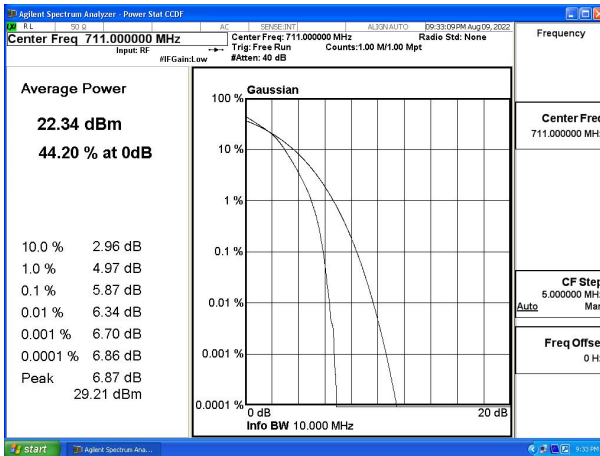


Fig.71

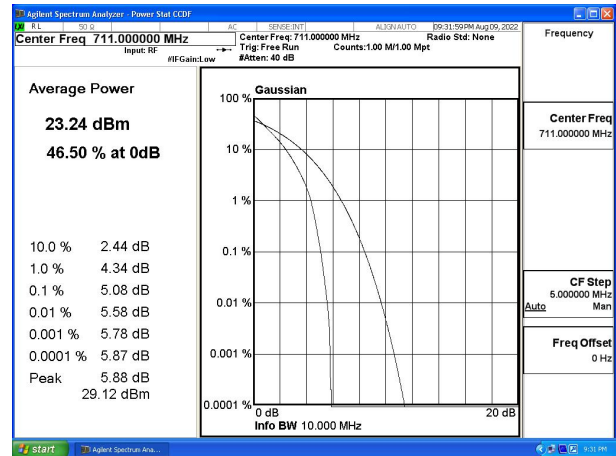


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	0	Fig.1
12	707.5	23095	10	1	0	Fig.2
12	711	23130	10	1	0	Fig.3

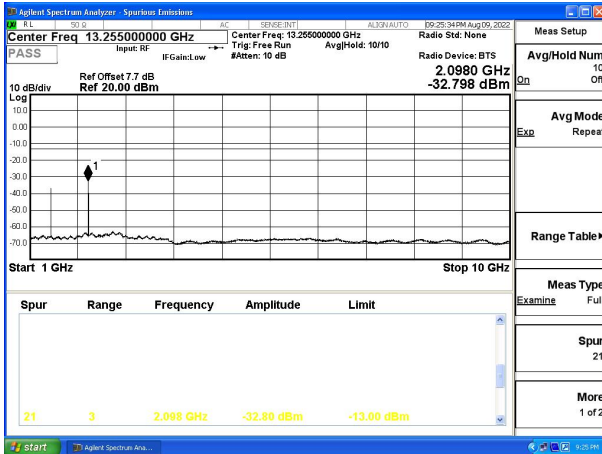


Fig.1

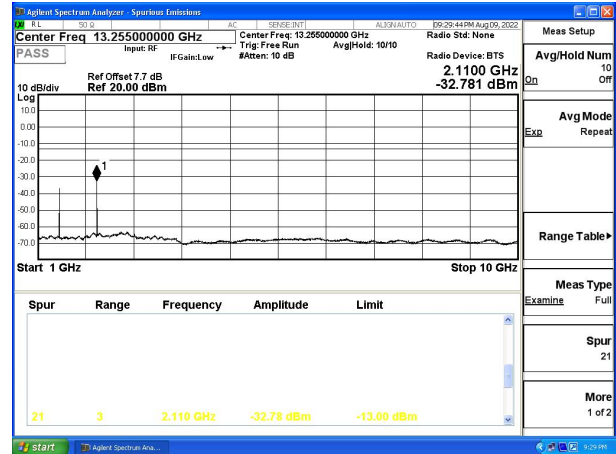


Fig.2



Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
12	QPSK	699.7	23017	1.4	1	0	Fig.1
12	QPSK	699.7	23017	1.4	6	0	Fig.2
12	QPSK	715.3	23173	1.4	1	5	Fig.3
12	QPSK	715.3	23173	1.4	6	0	Fig.4
12	QPSK	700.5	23025	3	1	0	Fig.5
12	QPSK	700.5	23025	3	15	0	Fig.6
12	QPSK	714.5	23165	3	1	14	Fig.7
12	QPSK	714.5	23165	3	15	0	Fig.8
12	QPSK	701.5	23035	5	1	0	Fig.9
12	QPSK	701.5	23035	5	25	0	Fig.10
12	QPSK	713.5	23155	5	1	24	Fig.11
12	QPSK	713.5	23155	5	25	0	Fig.12
12	QPSK	704	23060	10	1	0	Fig.13
12	QPSK	704	23060	10	50	0	Fig.14
12	QPSK	711	23130	10	1	49	Fig.15
12	QPSK	711	23130	10	50	0	Fig.16

Test Mode: QPSK

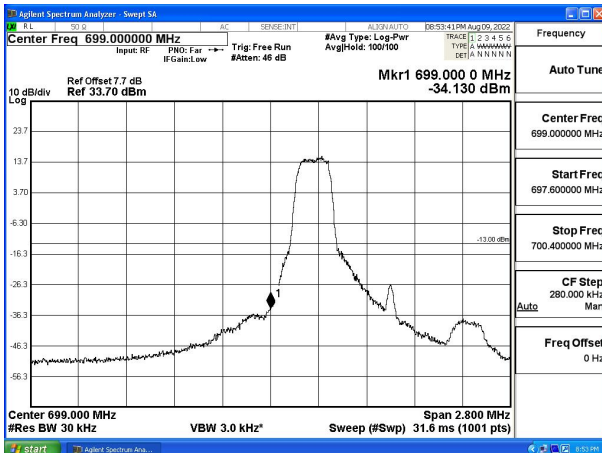


Fig.1

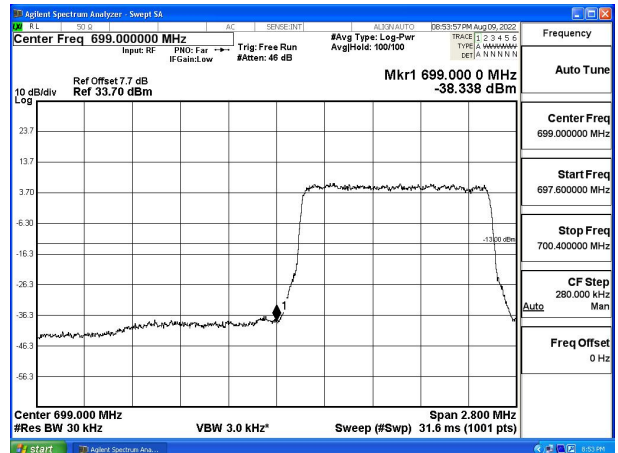


Fig.2

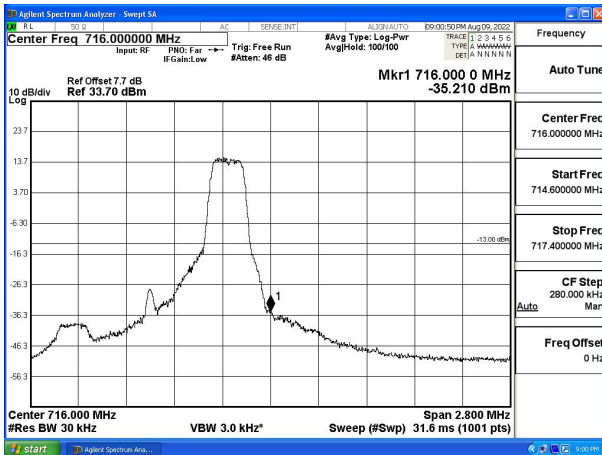


Fig.3

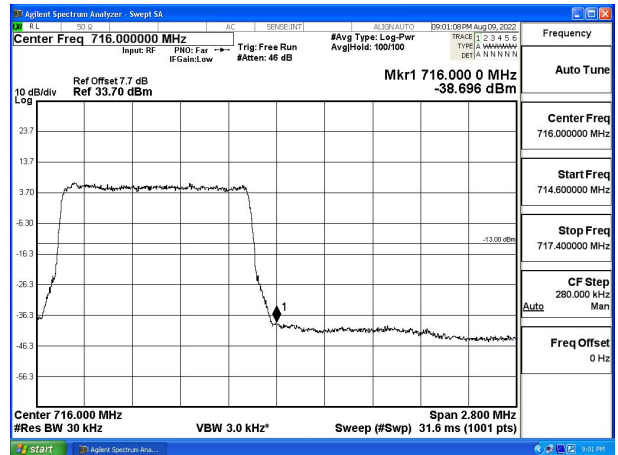


Fig.4

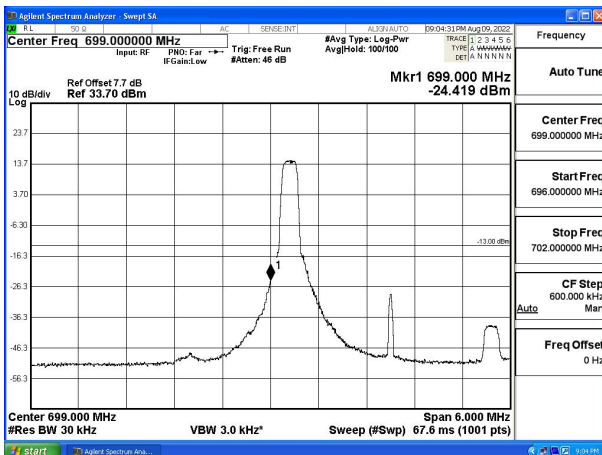


Fig.5

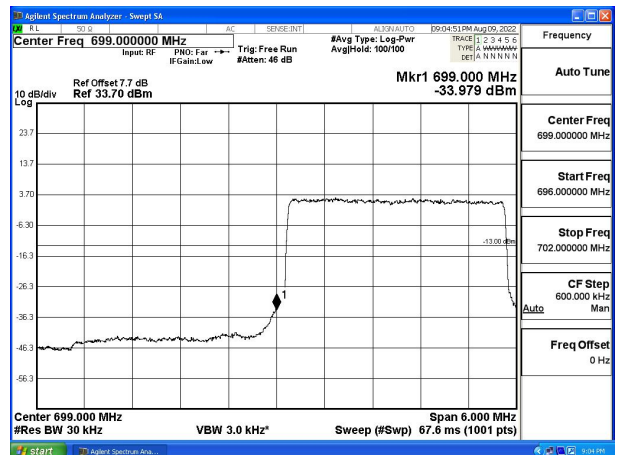


Fig.6

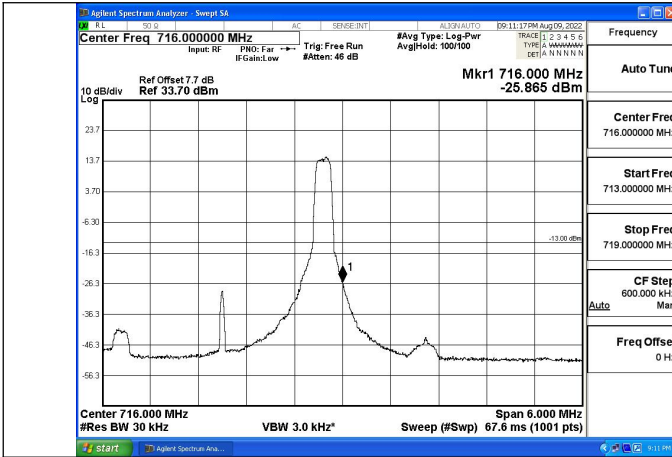


Fig.7

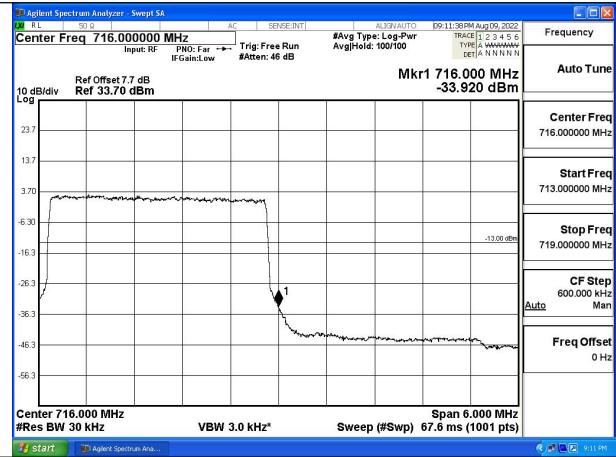


Fig.8

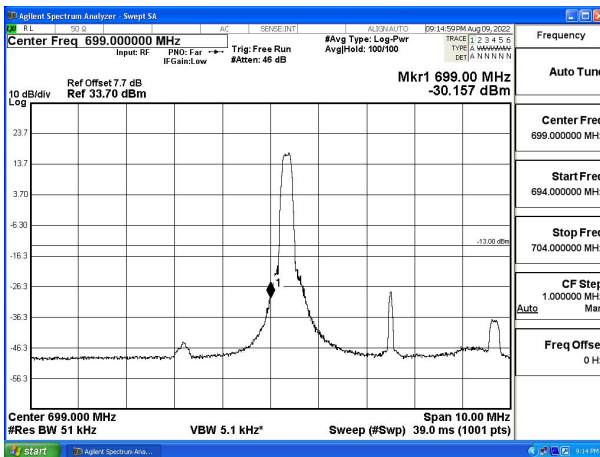


Fig.9

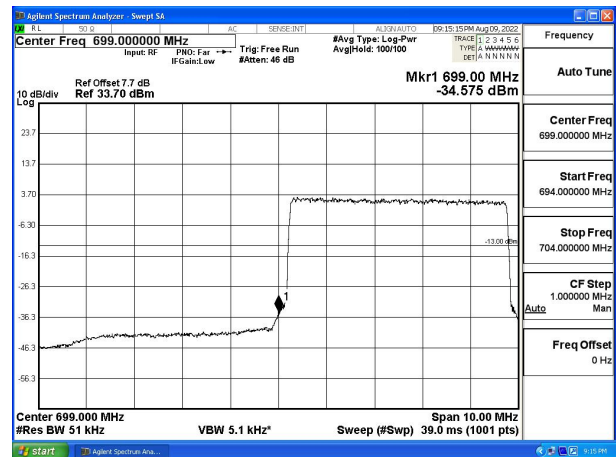


Fig.10

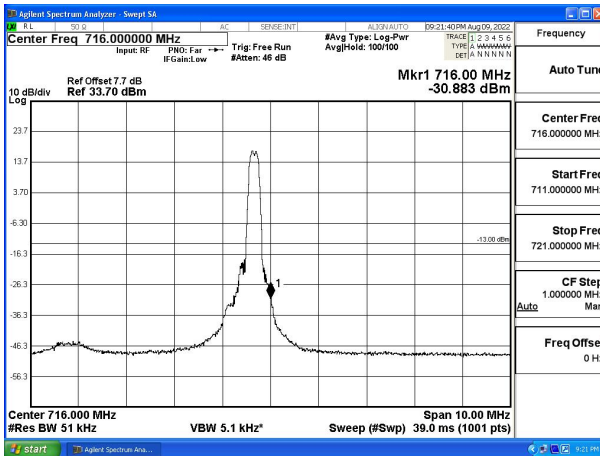


Fig.11

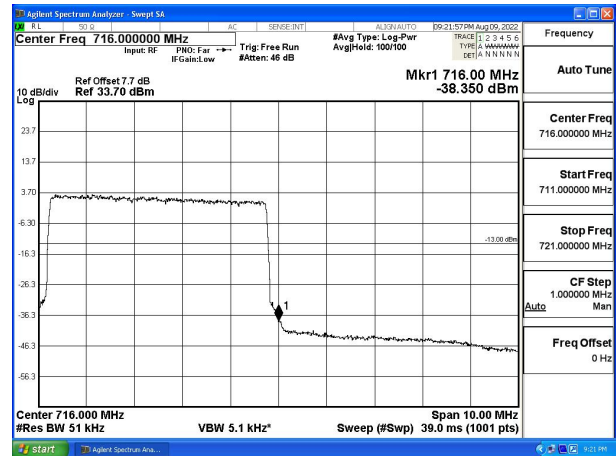


Fig.12

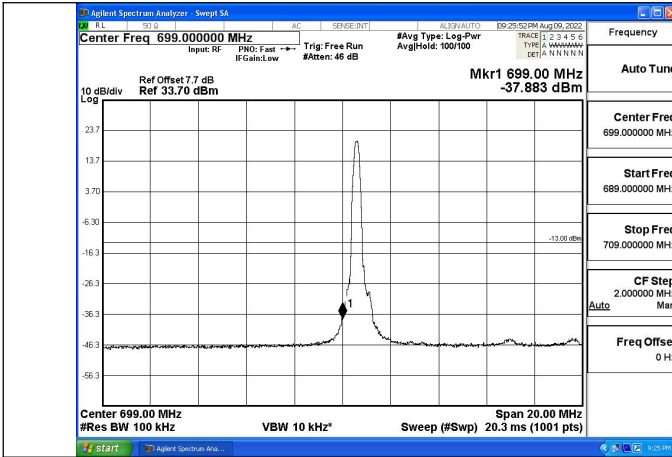


Fig.13

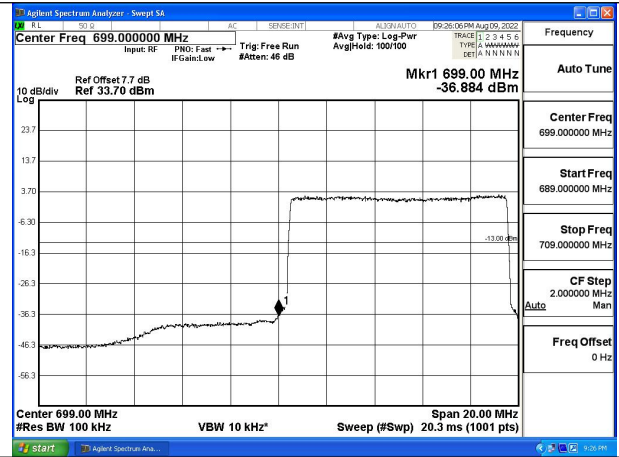


Fig.14

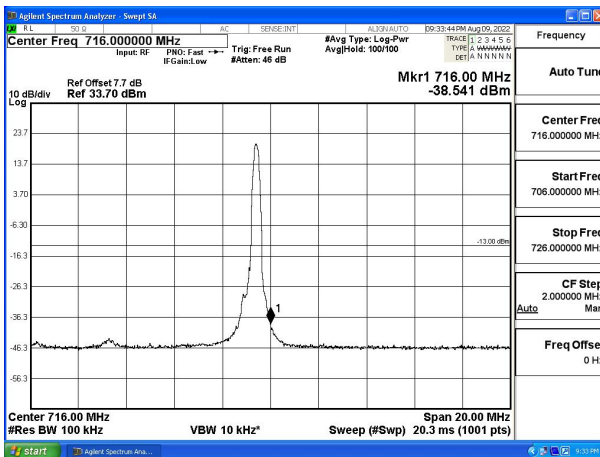


Fig.15

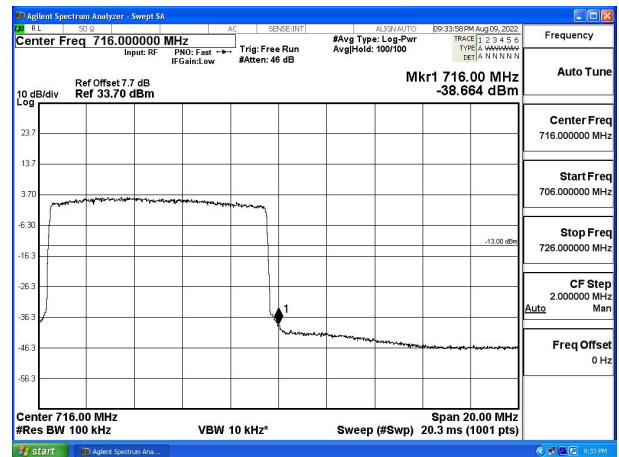


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.003	0.012	-0.001	0.005
0	NV	-0.034	0.012	0.002	0.006
+10	NV	-0.026	0.014	0.004	0.004
+20	NV	0.028	0.002	-0.003	0.004
+30	NV	-0.025	0.006	0.003	-0.008
+40	NV	0.014	0.005	0.000	-0.008
+50	NV	0.011	-0.006	0.004	0.006
+55	NV	-0.030	0.009	0.002	0.005
+20	LV	-0.025	0.006	0.002	0.008
+20	HV	-0.004	0.005	0.002	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.025	0.006	-0.005	0.008
0	NV	-0.030	0.009	0.009	-0.008
+10	NV	0.015	0.007	0.005	0.006
+20	NV	0.017	-0.006	0.007	-0.006
+30	NV	0.009	0.008	0.004	0.004
+40	NV	-0.025	0.006	-0.007	0.004
+50	NV	0.017	0.005	0.009	-0.007
+55	NV	0.018	0.002	0.008	0.006
+20	LV	0.017	0.008	0.007	-0.007
+20	HV	0.012	0.009	0.009	0.004

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	699.7	23017	1.4	1	0	23.13	10.38	0.011
QPSK	699.7	23017	1.4	1	3	23.15	10.40	0.011
QPSK	699.7	23017	1.4	1	5	23.15	10.40	0.011
QPSK	699.7	23017	1.4	3	0	23.16	10.41	0.011
QPSK	699.7	23017	1.4	3	1	23.03	10.28	0.011
QPSK	699.7	23017	1.4	3	3	23.03	10.28	0.011
QPSK	699.7	23017	1.4	6	0	22.12	9.37	0.009
QPSK	707.5	23095	1.4	1	0	23.19	10.44	0.011
QPSK	707.5	23095	1.4	1	3	23.21	10.46	0.011
QPSK	707.5	23095	1.4	1	5	23.15	10.40	0.011
QPSK	707.5	23095	1.4	3	0	23.17	10.42	0.011
QPSK	707.5	23095	1.4	3	1	23.22	10.47	0.011
QPSK	707.5	23095	1.4	3	3	23.18	10.43	0.011
QPSK	707.5	23095	1.4	6	0	22.10	9.35	0.009
QPSK	715.3	23173	1.4	1	0	23.18	10.43	0.011
QPSK	715.3	23173	1.4	1	3	23.19	10.44	0.011
QPSK	715.3	23173	1.4	1	5	23.09	10.34	0.011
QPSK	715.3	23173	1.4	3	0	23.14	10.39	0.011
QPSK	715.3	23173	1.4	3	1	23.12	10.37	0.011
QPSK	715.3	23173	1.4	3	3	23.08	10.33	0.011
QPSK	715.3	23173	1.4	6	0	22.22	9.47	0.009

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
16QAM	699.7	23017	1.4	1	0	22.21	9.46	0.009
16QAM	699.7	23017	1.4	1	3	22.11	9.36	0.009
16QAM	699.7	23017	1.4	1	5	22.20	9.45	0.009
16QAM	699.7	23017	1.4	3	0	22.19	9.44	0.009
16QAM	699.7	23017	1.4	3	1	22.31	9.56	0.009
16QAM	699.7	23017	1.4	3	3	22.10	9.35	0.009
16QAM	699.7	23017	1.4	6	0	21.36	8.61	0.007
16QAM	707.5	23095	1.4	1	0	22.46	9.71	0.009
16QAM	707.5	23095	1.4	1	3	22.33	9.58	0.009
16QAM	707.5	23095	1.4	1	5	22.39	9.64	0.009
16QAM	707.5	23095	1.4	3	0	22.20	9.45	0.009
16QAM	707.5	23095	1.4	3	1	22.24	9.49	0.009
16QAM	707.5	23095	1.4	3	3	22.12	9.37	0.009
16QAM	707.5	23095	1.4	6	0	21.26	8.51	0.007
16QAM	715.3	23173	1.4	1	0	22.44	9.69	0.009
16QAM	715.3	23173	1.4	1	3	22.34	9.59	0.009
16QAM	715.3	23173	1.4	1	5	22.48	9.73	0.009
16QAM	715.3	23173	1.4	3	0	22.00	9.25	0.008
16QAM	715.3	23173	1.4	3	1	22.11	9.36	0.009
16QAM	715.3	23173	1.4	3	3	22.05	9.30	0.009
16QAM	715.3	23173	1.4	6	0	21.25	8.50	0.007
64QAM	699.7	23017	1.4	1	0	21.50	8.75	0.007
64QAM	699.7	23017	1.4	1	3	21.60	8.85	0.008
64QAM	699.7	23017	1.4	1	5	21.55	8.80	0.008
64QAM	699.7	23017	1.4	3	0	21.50	8.75	0.007
64QAM	699.7	23017	1.4	3	1	21.49	8.74	0.007
64QAM	699.7	23017	1.4	3	3	21.55	8.80	0.008
64QAM	699.7	23017	1.4	6	0	20.19	7.44	0.006
64QAM	707.5	23095	1.4	1	0	21.31	8.56	0.007
64QAM	707.5	23095	1.4	1	3	21.32	8.57	0.007
64QAM	707.5	23095	1.4	1	5	21.25	8.50	0.007
64QAM	707.5	23095	1.4	3	0	21.30	8.55	0.007
64QAM	707.5	23095	1.4	3	1	21.29	8.54	0.007
64QAM	707.5	23095	1.4	3	3	21.29	8.54	0.007
64QAM	707.5	23095	1.4	6	0	20.49	7.74	0.006
64QAM	715.3	23173	1.4	1	0	21.41	8.66	0.007
64QAM	715.3	23173	1.4	1	3	21.42	8.67	0.007
64QAM	715.3	23173	1.4	1	5	21.42	8.67	0.007
64QAM	715.3	23173	1.4	3	0	21.23	8.48	0.007
64QAM	715.3	23173	1.4	3	1	21.33	8.58	0.007
64QAM	715.3	23173	1.4	3	3	21.24	8.49	0.007
64QAM	715.3	23173	1.4	6	0	20.23	7.48	0.006

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	23.13	10.38	0.011
QPSK	700.5	23025	3	1	8	23.17	10.42	0.011
QPSK	700.5	23025	3	1	14	23.18	10.43	0.011
QPSK	700.5	23025	3	8	0	22.30	9.55	0.009
QPSK	700.5	23025	3	8	4	22.21	9.46	0.009
QPSK	700.5	23025	3	8	7	22.18	9.43	0.009
QPSK	700.5	23025	3	15	0	22.19	9.44	0.009
QPSK	707.5	23095	3	1	0	23.20	10.45	0.011
QPSK	707.5	23095	3	1	8	23.16	10.41	0.011
QPSK	707.5	23095	3	1	14	23.22	10.47	0.011
QPSK	707.5	23095	3	8	0	22.21	9.46	0.009
QPSK	707.5	23095	3	8	4	22.36	9.61	0.009
QPSK	707.5	23095	3	8	7	22.14	9.39	0.009
QPSK	707.5	23095	3	15	0	22.17	9.42	0.009
QPSK	714.5	23165	3	1	0	23.15	10.40	0.011
QPSK	714.5	23165	3	1	8	23.21	10.46	0.011
QPSK	714.5	23165	3	1	14	23.17	10.42	0.011
QPSK	714.5	23165	3	8	0	22.23	9.48	0.009
QPSK	714.5	23165	3	8	4	22.33	9.58	0.009
QPSK	714.5	23165	3	8	7	22.24	9.49	0.009
QPSK	714.5	23165	3	15	0	22.15	9.40	0.009

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	700.5	23025	3	1	0	22.47	9.72	0.009
16QAM	700.5	23025	3	1	8	22.52	9.77	0.009
16QAM	700.5	23025	3	1	14	22.46	9.71	0.009
16QAM	700.5	23025	3	8	0	21.17	8.42	0.007
16QAM	700.5	23025	3	8	4	21.31	8.56	0.007
16QAM	700.5	23025	3	8	7	21.28	8.53	0.007
16QAM	700.5	23025	3	15	0	21.24	8.49	0.007
16QAM	707.5	23095	3	1	0	22.42	9.67	0.009
16QAM	707.5	23095	3	1	8	22.43	9.68	0.009
16QAM	707.5	23095	3	1	14	22.29	9.54	0.009
16QAM	707.5	23095	3	8	0	21.39	8.64	0.007
16QAM	707.5	23095	3	8	4	21.23	8.48	0.007
16QAM	707.5	23095	3	8	7	21.23	8.48	0.007
16QAM	707.5	23095	3	15	0	21.19	8.44	0.007
16QAM	714.5	23165	3	1	0	22.17	9.42	0.009
16QAM	714.5	23165	3	1	8	22.42	9.67	0.009
16QAM	714.5	23165	3	1	14	22.25	9.50	0.009
16QAM	714.5	23165	3	8	0	21.36	8.61	0.007
16QAM	714.5	23165	3	8	4	21.24	8.49	0.007
16QAM	714.5	23165	3	8	7	21.25	8.50	0.007
16QAM	714.5	23165	3	15	0	21.20	8.45	0.007
64QAM	700.5	23025	3	1	0	21.32	8.57	0.007
64QAM	700.5	23025	3	1	8	21.43	8.68	0.007
64QAM	700.5	23025	3	1	14	21.64	8.89	0.008
64QAM	700.5	23025	3	8	0	20.39	7.64	0.006
64QAM	700.5	23025	3	8	4	20.33	7.58	0.006
64QAM	700.5	23025	3	8	7	20.31	7.56	0.006
64QAM	700.5	23025	3	15	0	20.28	7.53	0.006
64QAM	707.5	23095	3	1	0	21.33	8.58	0.007
64QAM	707.5	23095	3	1	8	21.48	8.73	0.007
64QAM	707.5	23095	3	1	14	21.36	8.61	0.007
64QAM	707.5	23095	3	8	0	20.30	7.55	0.006
64QAM	707.5	23095	3	8	4	20.20	7.45	0.006
64QAM	707.5	23095	3	8	7	20.28	7.53	0.006
64QAM	707.5	23095	3	15	0	20.23	7.48	0.006
64QAM	714.5	23165	3	1	0	21.46	8.71	0.007
64QAM	714.5	23165	3	1	8	21.63	8.88	0.008
64QAM	714.5	23165	3	1	14	21.49	8.74	0.007
64QAM	714.5	23165	3	8	0	20.24	7.49	0.006
64QAM	714.5	23165	3	8	4	20.30	7.55	0.006
64QAM	714.5	23165	3	8	7	20.23	7.48	0.006
64QAM	714.5	23165	3	15	0	20.29	7.54	0.006

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	23.21	10.46	0.011
QPSK	701.5	23035	5	1	12	23.21	10.46	0.011
QPSK	701.5	23035	5	1	24	23.16	10.41	0.011
QPSK	701.5	23035	5	12	0	22.17	9.42	0.009
QPSK	701.5	23035	5	12	7	22.25	9.50	0.009
QPSK	701.5	23035	5	12	13	22.23	9.48	0.009
QPSK	701.5	23035	5	25	0	22.24	9.49	0.009
QPSK	707.5	23095	5	1	0	23.17	10.42	0.011
QPSK	707.5	23095	5	1	12	23.16	10.41	0.011
QPSK	707.5	23095	5	1	24	23.21	10.46	0.011
QPSK	707.5	23095	5	12	0	22.38	9.63	0.009
QPSK	707.5	23095	5	12	7	22.32	9.57	0.009
QPSK	707.5	23095	5	12	13	22.26	9.51	0.009
QPSK	707.5	23095	5	25	0	22.25	9.50	0.009
QPSK	713.5	23155	5	1	0	23.19	10.44	0.011
QPSK	713.5	23155	5	1	12	23.20	10.45	0.011
QPSK	713.5	23155	5	1	24	23.21	10.46	0.011
QPSK	713.5	23155	5	12	0	22.40	9.65	0.009
QPSK	713.5	23155	5	12	7	22.33	9.58	0.009
QPSK	713.5	23155	5	12	13	22.26	9.51	0.009
QPSK	713.5	23155	5	25	0	22.28	9.53	0.009

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	701.5	23035	5	1	0	22.43	9.68	0.009
16QAM	701.5	23035	5	1	12	22.33	9.58	0.009
16QAM	701.5	23035	5	1	24	22.43	9.68	0.009
16QAM	701.5	23035	5	12	0	21.25	8.50	0.007
16QAM	701.5	23035	5	12	7	21.30	8.55	0.007
16QAM	701.5	23035	5	12	13	21.28	8.53	0.007
16QAM	701.5	23035	5	25	0	21.28	8.53	0.007
16QAM	707.5	23095	5	1	0	22.47	9.72	0.009
16QAM	707.5	23095	5	1	12	22.42	9.67	0.009
16QAM	707.5	23095	5	1	24	22.48	9.73	0.009
16QAM	707.5	23095	5	12	0	21.22	8.47	0.007
16QAM	707.5	23095	5	12	7	21.26	8.51	0.007
16QAM	707.5	23095	5	12	13	21.26	8.51	0.007
16QAM	707.5	23095	5	25	0	21.32	8.57	0.007
16QAM	713.5	23155	5	1	0	22.40	9.65	0.009
16QAM	713.5	23155	5	1	12	22.37	9.62	0.009
16QAM	713.5	23155	5	1	24	22.41	9.66	0.009
16QAM	713.5	23155	5	12	0	21.23	8.48	0.007
16QAM	713.5	23155	5	12	7	21.34	8.59	0.007
16QAM	713.5	23155	5	12	13	21.30	8.55	0.007
16QAM	713.5	23155	5	25	0	21.22	8.47	0.007
64QAM	701.5	23035	5	1	0	21.29	8.54	0.007
64QAM	701.5	23035	5	1	12	21.48	8.73	0.007
64QAM	701.5	23035	5	1	24	21.38	8.63	0.007
64QAM	701.5	23035	5	12	0	20.28	7.53	0.006
64QAM	701.5	23035	5	12	7	20.38	7.63	0.006
64QAM	701.5	23035	5	12	13	20.34	7.59	0.006
64QAM	701.5	23035	5	25	0	20.34	7.59	0.006
64QAM	707.5	23095	5	1	0	21.53	8.78	0.008
64QAM	707.5	23095	5	1	12	21.53	8.78	0.008
64QAM	707.5	23095	5	1	24	21.66	8.91	0.008
64QAM	707.5	23095	5	12	0	20.33	7.58	0.006
64QAM	707.5	23095	5	12	7	20.31	7.56	0.006
64QAM	707.5	23095	5	12	13	20.35	7.60	0.006
64QAM	707.5	23095	5	25	0	20.34	7.59	0.006
64QAM	713.5	23155	5	1	0	21.54	8.79	0.008
64QAM	713.5	23155	5	1	12	21.39	8.64	0.007
64QAM	713.5	23155	5	1	24	21.47	8.72	0.007
64QAM	713.5	23155	5	12	0	20.31	7.56	0.006
64QAM	713.5	23155	5	12	7	20.45	7.70	0.006
64QAM	713.5	23155	5	12	13	20.31	7.56	0.006
64QAM	713.5	23155	5	25	0	20.33	7.58	0.006

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	23.15	10.40	0.011
QPSK	704	23060	10	1	25	23.14	10.39	0.011
QPSK	704	23060	10	1	49	23.21	10.46	0.011
QPSK	704	23060	10	25	0	22.19	9.44	0.009
QPSK	704	23060	10	25	12	22.32	9.57	0.009
QPSK	704	23060	10	25	25	22.29	9.54	0.009
QPSK	704	23060	10	50	0	22.23	9.48	0.009
QPSK	707.5	23095	10	1	0	23.25	10.50	0.011
QPSK	707.5	23095	10	1	25	23.21	10.46	0.011
QPSK	707.5	23095	10	1	49	23.25	10.50	0.011
QPSK	707.5	23095	10	25	0	22.24	9.49	0.009
QPSK	707.5	23095	10	25	12	22.23	9.48	0.009
QPSK	707.5	23095	10	25	25	22.21	9.46	0.009
QPSK	707.5	23095	10	50	0	22.34	9.59	0.009
QPSK	711	23130	10	1	0	23.21	10.46	0.011
QPSK	711	23130	10	1	25	23.23	10.48	0.011
QPSK	711	23130	10	1	49	23.25	10.50	0.011
QPSK	711	23130	10	25	0	22.29	9.54	0.009
QPSK	711	23130	10	25	12	22.31	9.56	0.009
QPSK	711	23130	10	25	25	22.35	9.60	0.009
QPSK	711	23130	10	50	0	22.31	9.56	0.009

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	704	23060	10	1	0	22.56	9.81	0.010
16QAM	704	23060	10	1	25	22.51	9.76	0.009
16QAM	704	23060	10	1	49	22.55	9.80	0.010
16QAM	704	23060	10	25	0	21.28	8.53	0.007
16QAM	704	23060	10	25	12	21.30	8.55	0.007
16QAM	704	23060	10	25	25	21.23	8.48	0.007
16QAM	704	23060	10	50	0	21.34	8.59	0.007
16QAM	707.5	23095	10	1	0	22.43	9.68	0.009
16QAM	707.5	23095	10	1	25	22.44	9.69	0.009
16QAM	707.5	23095	10	1	49	22.48	9.73	0.009
16QAM	707.5	23095	10	25	0	21.32	8.57	0.007
16QAM	707.5	23095	10	25	12	21.32	8.57	0.007
16QAM	707.5	23095	10	25	25	21.32	8.57	0.007
16QAM	707.5	23095	10	50	0	21.24	8.49	0.007
16QAM	711	23130	10	1	0	22.49	9.74	0.009
16QAM	711	23130	10	1	25	22.55	9.80	0.010
16QAM	711	23130	10	1	49	22.40	9.65	0.009
16QAM	711	23130	10	25	0	21.36	8.61	0.007
16QAM	711	23130	10	25	12	21.37	8.62	0.007
16QAM	711	23130	10	25	25	21.39	8.64	0.007
16QAM	711	23130	10	50	0	21.38	8.63	0.007
64QAM	704	23060	10	1	0	21.56	8.81	0.008
64QAM	704	23060	10	1	25	21.69	8.94	0.008
64QAM	704	23060	10	1	49	21.67	8.92	0.008
64QAM	704	23060	10	25	0	20.24	7.49	0.006
64QAM	704	23060	10	25	12	20.39	7.64	0.006
64QAM	704	23060	10	25	25	20.44	7.69	0.006
64QAM	704	23060	10	50	0	20.30	7.55	0.006
64QAM	707.5	23095	10	1	0	21.26	8.51	0.007
64QAM	707.5	23095	10	1	25	21.35	8.60	0.007
64QAM	707.5	23095	10	1	49	21.47	8.72	0.007
64QAM	707.5	23095	10	25	0	20.32	7.57	0.006
64QAM	707.5	23095	10	25	12	20.10	7.35	0.005
64QAM	707.5	23095	10	25	25	20.39	7.64	0.006
64QAM	707.5	23095	10	50	0	20.32	7.57	0.006
64QAM	711	23130	10	1	0	21.49	8.74	0.007
64QAM	711	23130	10	1	25	21.56	8.81	0.008
64QAM	711	23130	10	1	49	21.27	8.52	0.007
64QAM	711	23130	10	25	0	20.34	7.59	0.006
64QAM	711	23130	10	25	12	20.47	7.72	0.006
64QAM	711	23130	10	25	25	20.52	7.77	0.006
64QAM	711	23130	10	50	0	20.30	7.55	0.006