

Fig.61

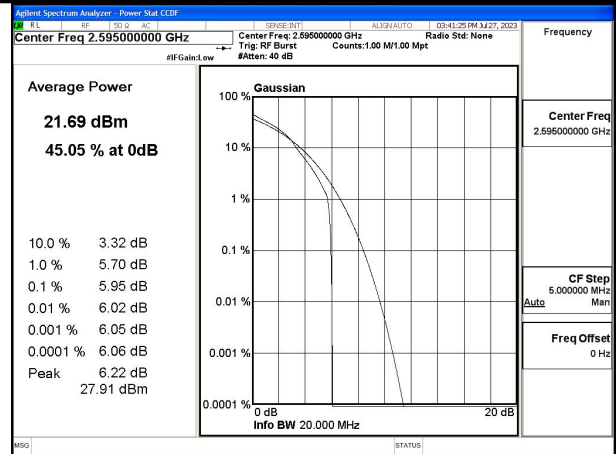


Fig.62

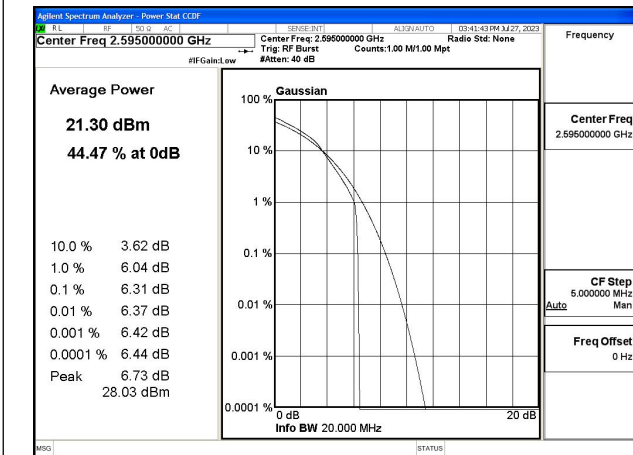


Fig.63

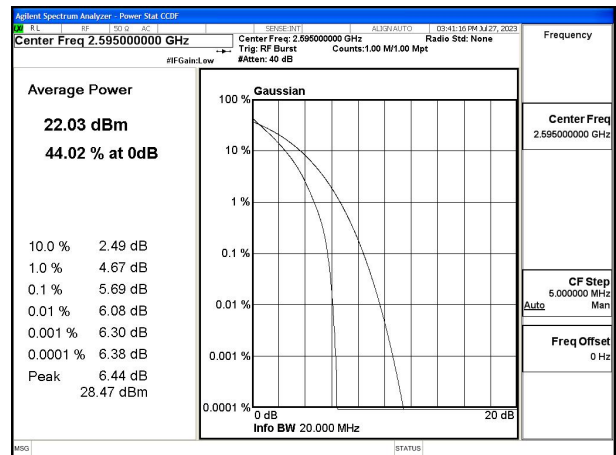


Fig.64

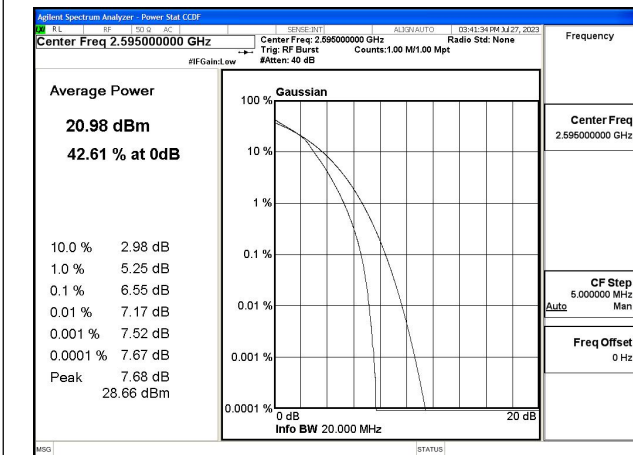


Fig.65

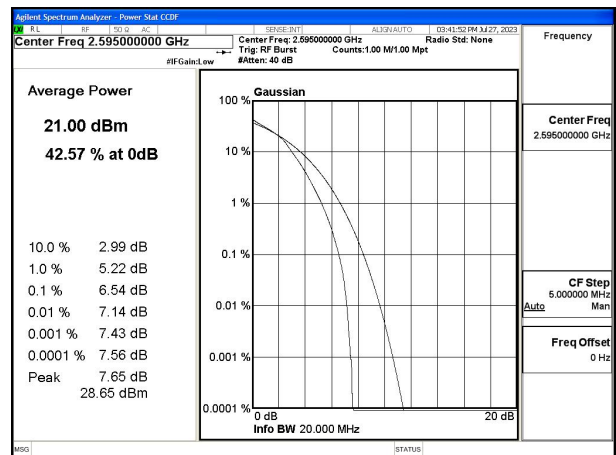


Fig.66

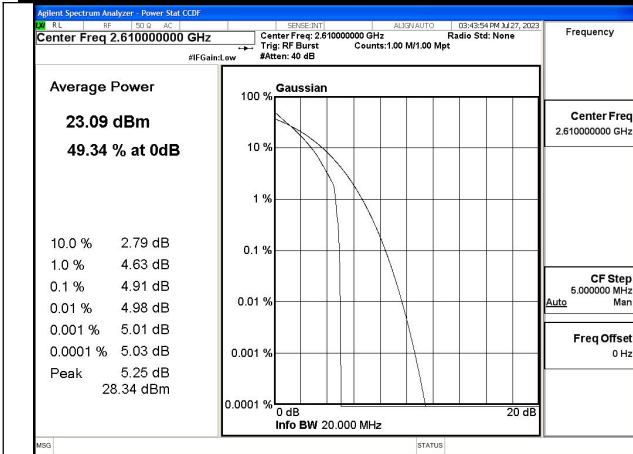


Fig.67

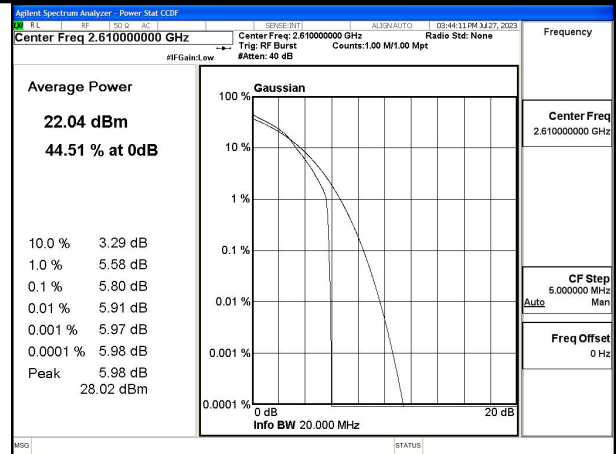


Fig.68

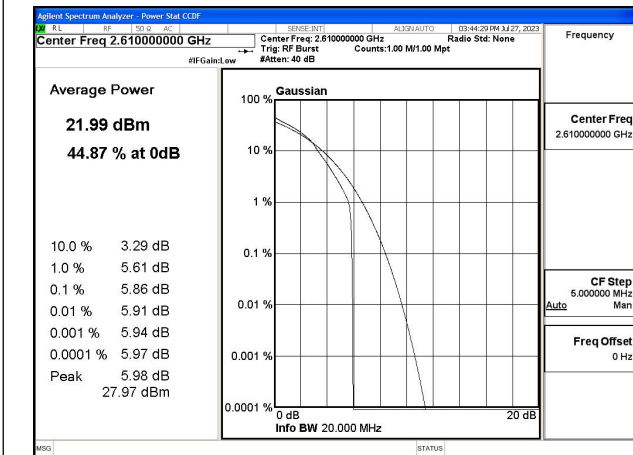


Fig.69

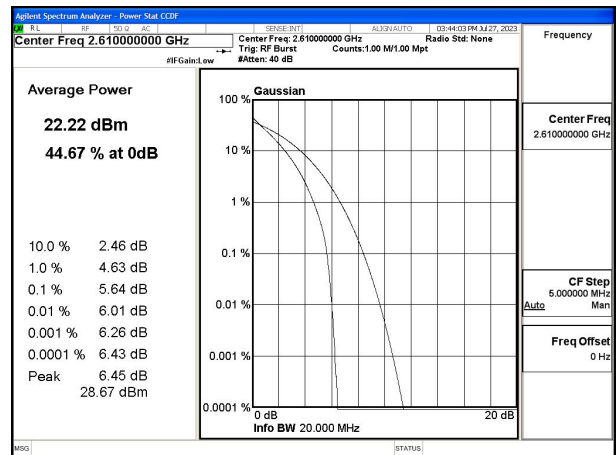


Fig.70

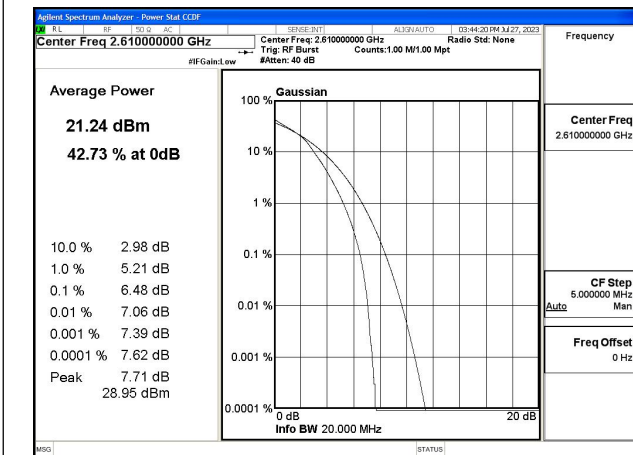


Fig.71

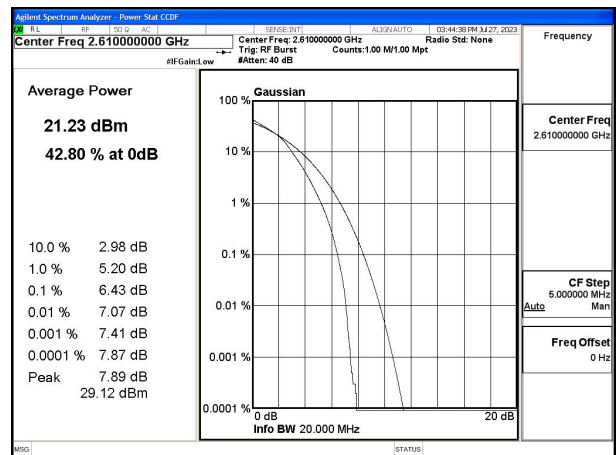


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
38	2580	37850	20	1	0	Fig.1
38	2595	38000	20	1	0	Fig.2
38	2610	38150	20	1	0	Fig.3

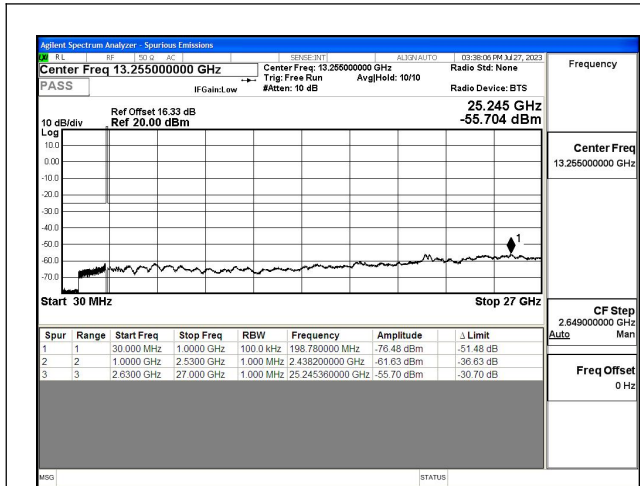


Fig.1

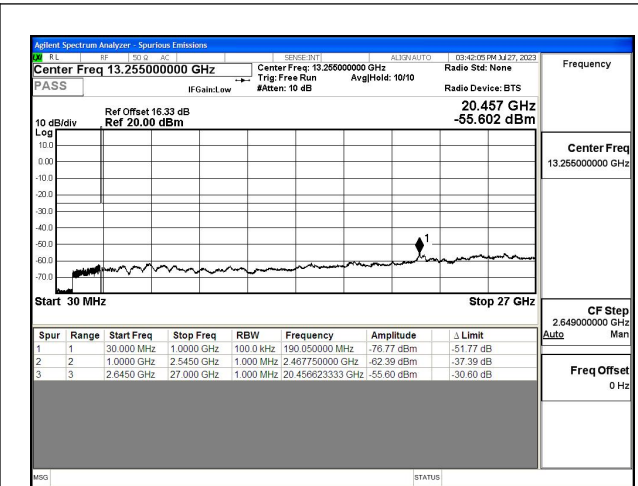


Fig.2

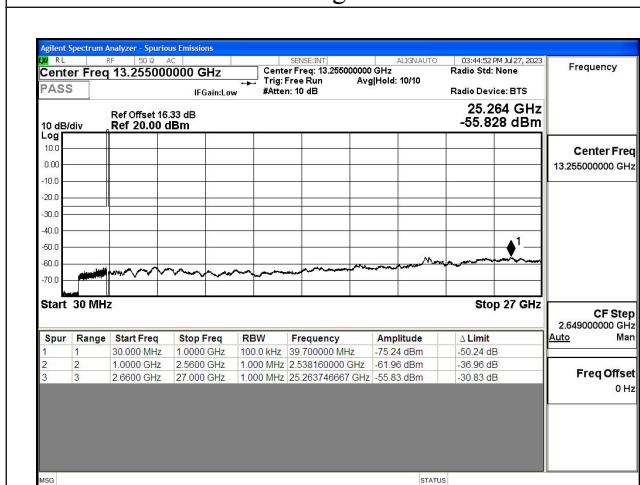


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
38	QPSK	2572.5	37775	5	1	0	Fig.1
38	QPSK	2572.5	37775	5	25	0	Fig.2
38	QPSK	2617.5	38225	5	1	24	Fig.3
38	QPSK	2617.5	38225	5	25	0	Fig.4
38	QPSK	2575	37800	10	1	0	Fig.5
38	QPSK	2575	37800	10	50	0	Fig.6
38	QPSK	2615	38200	10	1	49	Fig.7
38	QPSK	2615	38200	10	50	0	Fig.8
38	QPSK	2577.5	37825	15	1	0	Fig.9
38	QPSK	2577.5	37825	15	75	0	Fig.10
38	QPSK	2612.5	38175	15	1	74	Fig.11
38	QPSK	2612.5	38175	15	75	0	Fig.12
38	QPSK	2580	37850	20	1	0	Fig.13
38	QPSK	2580	37850	20	100	0	Fig.14
38	QPSK	2610	38150	20	1	99	Fig.15
38	QPSK	2610	38150	20	100	0	Fig.16

Test Mode: QPSK

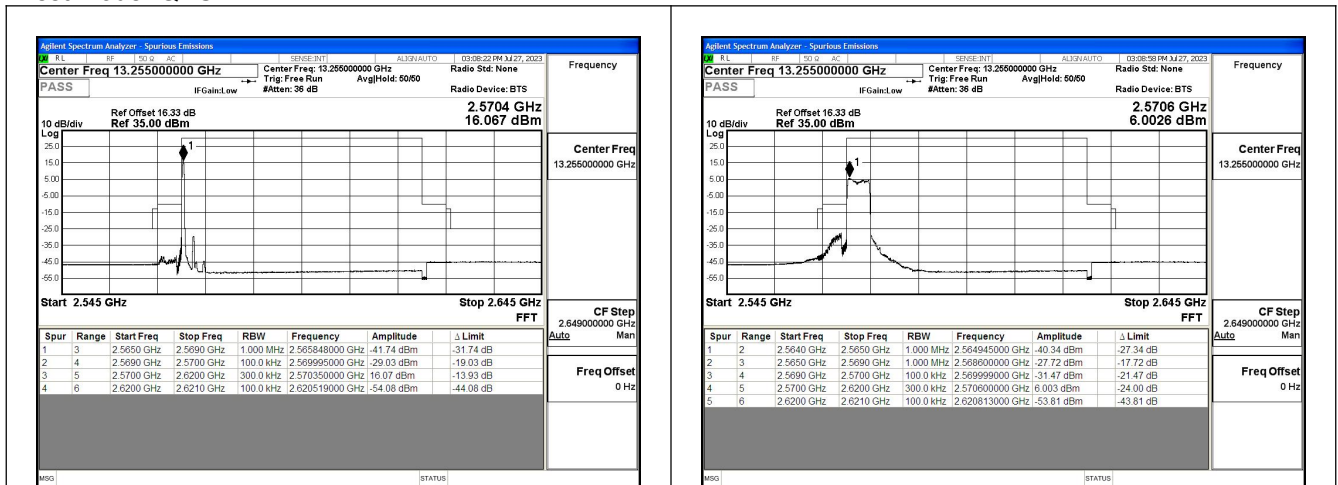


Fig.1

Fig.2



Fig.3

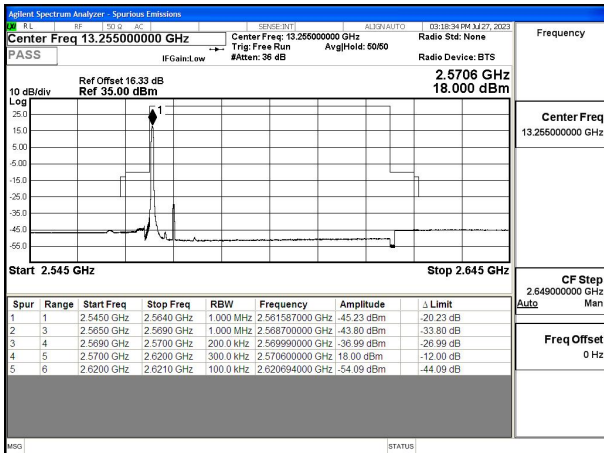


Fig.4

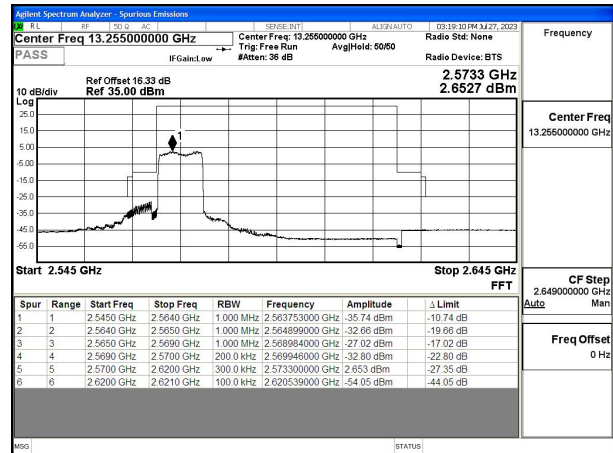


Fig.5

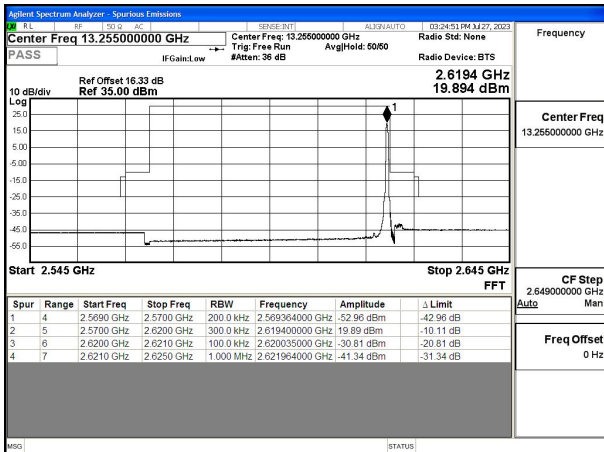


Fig.6

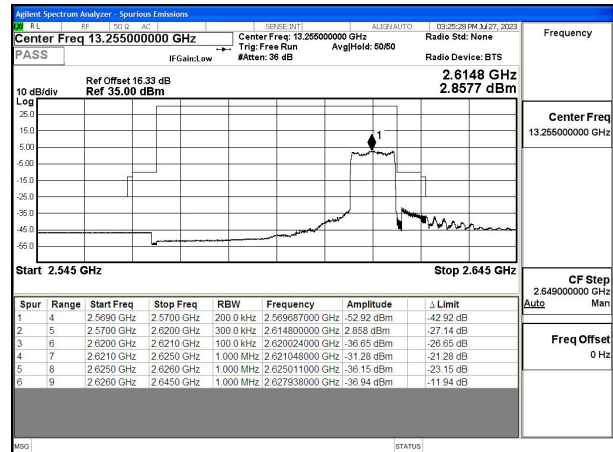


Fig.7

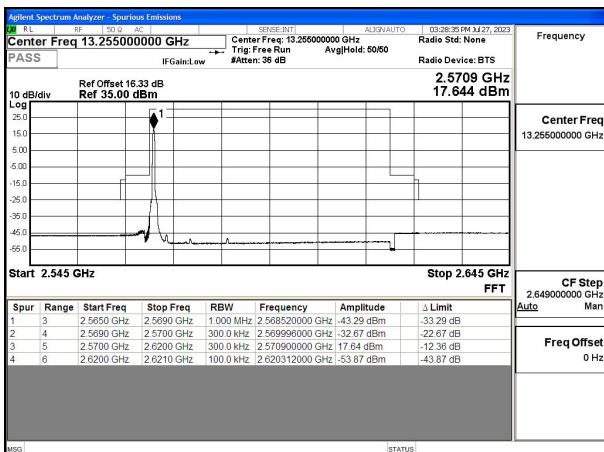


Fig.8



Fig.9

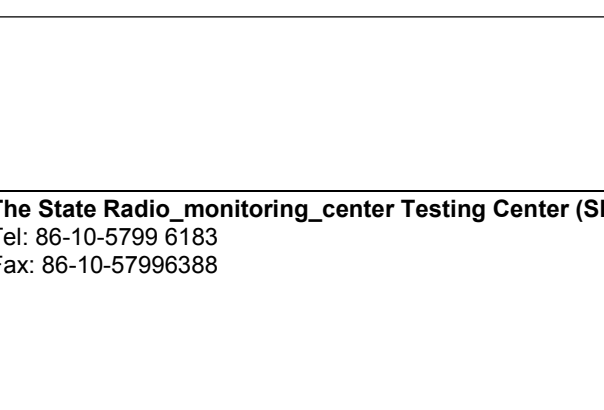
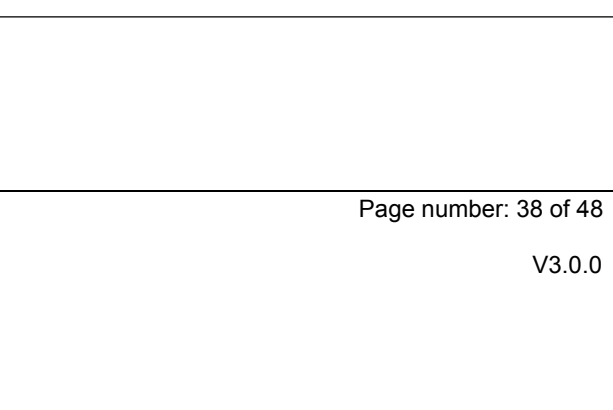


Fig.10



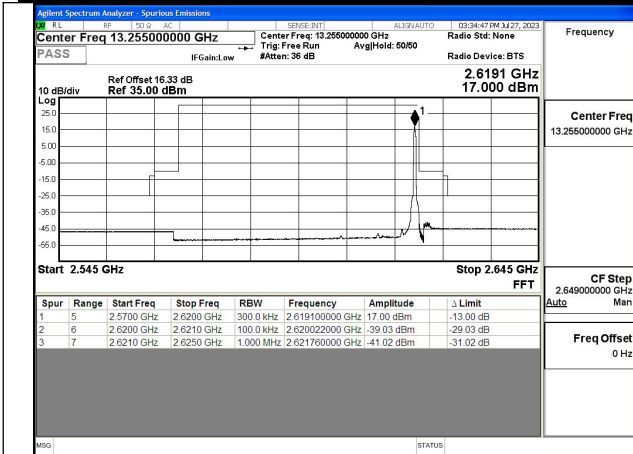


Fig. 11

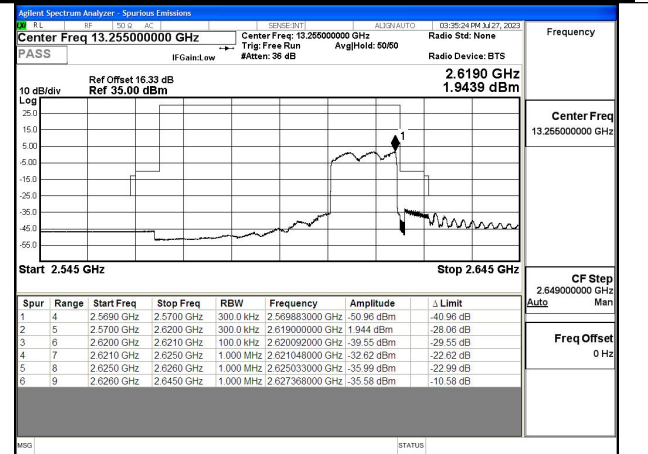


Fig. 12

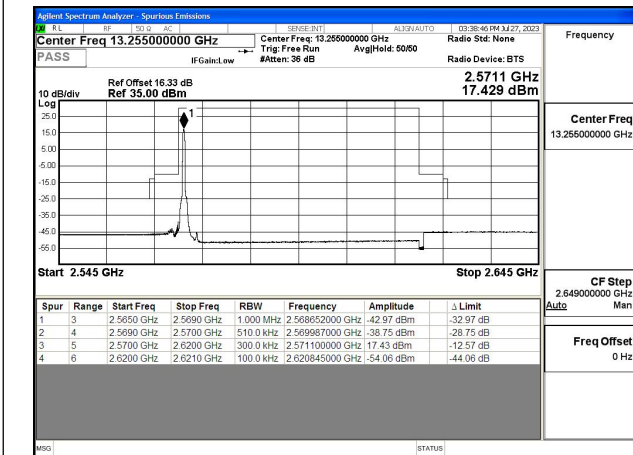


Fig. 13

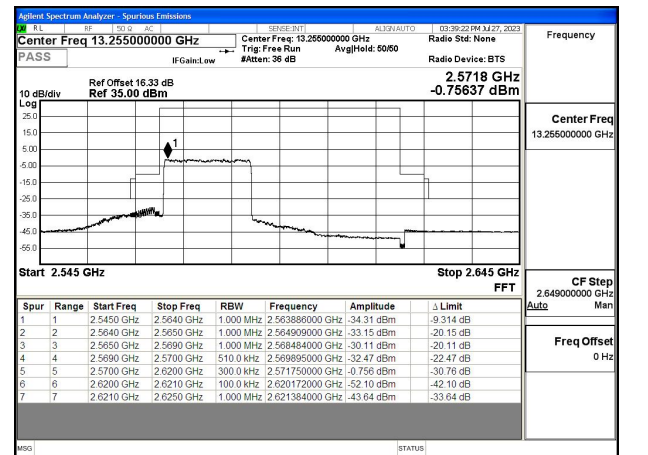


Fig. 14

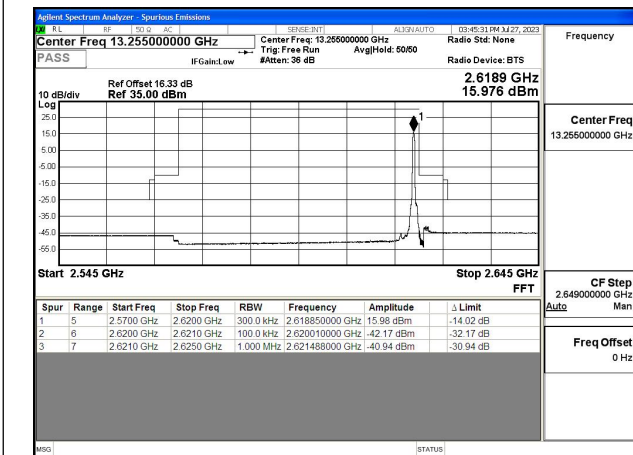


Fig. 15

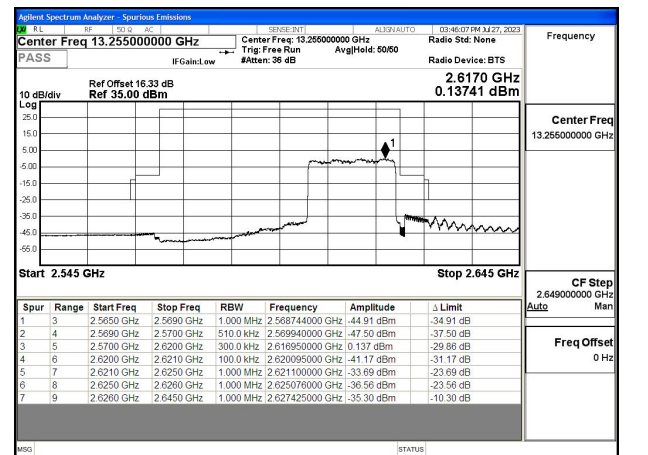


Fig. 16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.001	0.001	-0.002	-0.002
0	NV	0.002	-0.001	0.002	0.002
+10	NV	0.001	-0.001	0.002	0.000
+20	NV	0.002	-0.001	0.001	0.002
+30	NV	0.002	-0.001	-0.002	0.001
+40	NV	0.001	0.001	0.001	0.002
+50	NV	0.001	-0.001	-0.002	-0.002
+50	NV	0.001	-0.002	-0.001	0.002
+55	NV	0.002	0.001	-0.002	-0.002
+20	HV	0.002	0.001	-0.002	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.002	-0.002	0.002	0.001
0	NV	0.003	-0.001	-0.001	-0.001
+10	NV	0.001	-0.001	0.001	0.001
+20	NV	0.004	-0.002	-0.001	0.002
+30	NV	0.002	0.002	0.002	0.001
+40	NV	0.002	0.002	-0.002	0.002
+50	NV	0.003	-0.002	-0.002	-0.001
+55	NV	0.002	-0.002	-0.002	0.001
+20	LV	0.002	0.001	-0.002	-0.001
+20	HV	0.001	0.001	-0.002	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	2572.5	37775	5	1	0	22.86	19.56	0.090
QPSK	2572.5	37775	5	1	12	23.14	19.84	0.096
QPSK	2572.5	37775	5	1	24	23.00	19.70	0.093
QPSK	2572.5	37775	5	12	0	22.19	18.89	0.077
QPSK	2572.5	37775	5	12	7	22.15	18.85	0.077
QPSK	2572.5	37775	5	12	13	22.21	18.91	0.078
QPSK	2572.5	37775	5	25	0	22.11	18.81	0.076
QPSK	2595	38000	5	1	0	23.14	19.84	0.096
QPSK	2595	38000	5	1	12	23.18	19.88	0.097
QPSK	2595	38000	5	1	24	22.87	19.57	0.091
QPSK	2595	38000	5	12	0	22.08	18.78	0.076
QPSK	2595	38000	5	12	7	21.95	18.65	0.073
QPSK	2595	38000	5	12	13	21.96	18.66	0.073
QPSK	2595	38000	5	25	0	21.93	18.63	0.073
QPSK	2617.5	38225	5	1	0	22.78	19.48	0.089
QPSK	2617.5	38225	5	1	12	23.12	19.82	0.096
QPSK	2617.5	38225	5	1	24	22.96	19.66	0.092
QPSK	2617.5	38225	5	12	0	21.96	18.66	0.073
QPSK	2617.5	38225	5	12	7	22.00	18.70	0.074
QPSK	2617.5	38225	5	12	13	22.01	18.71	0.074
QPSK	2617.5	38225	5	25	0	21.97	18.67	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2572.5	37775	5	1	0	22.20	18.90	0.078
16QAM	2572.5	37775	5	1	12	22.51	19.21	0.083
16QAM	2572.5	37775	5	1	24	22.64	19.34	0.086
16QAM	2572.5	37775	5	12	0	21.11	17.81	0.060
16QAM	2572.5	37775	5	12	7	21.11	17.81	0.060
16QAM	2572.5	37775	5	12	13	21.07	17.77	0.060
16QAM	2572.5	37775	5	25	0	21.16	17.86	0.061
16QAM	2595	38000	5	1	0	22.41	19.11	0.081
16QAM	2595	38000	5	1	12	22.41	19.11	0.081
16QAM	2595	38000	5	1	24	22.20	18.90	0.078
16QAM	2595	38000	5	12	0	20.88	17.58	0.057
16QAM	2595	38000	5	12	7	21.16	17.86	0.061
16QAM	2595	38000	5	12	13	20.92	17.62	0.058
16QAM	2595	38000	5	25	0	20.91	17.61	0.058
16QAM	2617.5	38225	5	1	0	21.94	18.64	0.073
16QAM	2617.5	38225	5	1	12	22.61	19.31	0.085
16QAM	2617.5	38225	5	1	24	22.05	18.75	0.075
16QAM	2617.5	38225	5	12	0	20.95	17.65	0.058
16QAM	2617.5	38225	5	12	7	21.07	17.77	0.060
16QAM	2617.5	38225	5	12	13	20.99	17.69	0.059
16QAM	2617.5	38225	5	25	0	21.08	17.78	0.060
64QAM	2572.5	37775	5	1	0	22.06	18.76	0.075
64QAM	2572.5	37775	5	1	12	22.31	19.01	0.080
64QAM	2572.5	37775	5	1	24	22.29	18.99	0.079
64QAM	2572.5	37775	5	12	0	20.98	17.68	0.059
64QAM	2572.5	37775	5	12	7	21.33	18.03	0.064
64QAM	2572.5	37775	5	12	13	21.13	17.83	0.061
64QAM	2572.5	37775	5	25	0	21.08	17.78	0.060
64QAM	2595	38000	5	1	0	21.76	18.46	0.070
64QAM	2595	38000	5	1	12	22.05	18.75	0.075
64QAM	2595	38000	5	1	24	21.77	18.47	0.070
64QAM	2595	38000	5	12	0	20.91	17.61	0.058
64QAM	2595	38000	5	12	7	21.04	17.74	0.059
64QAM	2595	38000	5	12	13	20.98	17.68	0.059
64QAM	2595	38000	5	25	0	21.04	17.74	0.059
64QAM	2617.5	38225	5	1	0	22.06	18.76	0.075
64QAM	2617.5	38225	5	1	12	22.08	18.78	0.076
64QAM	2617.5	38225	5	1	24	22.09	18.79	0.076
64QAM	2617.5	38225	5	12	0	20.97	17.67	0.058
64QAM	2617.5	38225	5	12	7	20.97	17.67	0.058
64QAM	2617.5	38225	5	12	13	20.95	17.65	0.058
64QAM	2617.5	38225	5	25	0	21.02	17.72	0.059

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	23.11	19.81	0.096
QPSK	2575	37800	10	1	25	23.24	19.94	0.099
QPSK	2575	37800	10	1	49	23.00	19.70	0.093
QPSK	2575	37800	10	25	0	22.18	18.88	0.077
QPSK	2575	37800	10	25	12	22.17	18.87	0.077
QPSK	2575	37800	10	25	25	22.15	18.85	0.077
QPSK	2575	37800	10	50	0	22.08	18.78	0.076
QPSK	2595	38000	10	1	0	23.19	19.89	0.097
QPSK	2595	38000	10	1	25	22.95	19.65	0.092
QPSK	2595	38000	10	1	49	23.03	19.73	0.094
QPSK	2595	38000	10	25	0	22.00	18.70	0.074
QPSK	2595	38000	10	25	12	21.93	18.63	0.073
QPSK	2595	38000	10	25	25	22.01	18.71	0.074
QPSK	2595	38000	10	50	0	21.96	18.66	0.073
QPSK	2615	38200	10	1	0	22.90	19.60	0.091
QPSK	2615	38200	10	1	25	22.82	19.52	0.090
QPSK	2615	38200	10	1	49	23.02	19.72	0.094
QPSK	2615	38200	10	25	0	21.84	18.54	0.071
QPSK	2615	38200	10	25	12	21.86	18.56	0.072
QPSK	2615	38200	10	25	25	22.01	18.71	0.074
QPSK	2615	38200	10	50	0	21.82	18.52	0.071

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.36	19.06	0.081
16QAM	2575	37800	10	1	25	22.25	18.95	0.079
16QAM	2575	37800	10	1	49	22.71	19.41	0.087
16QAM	2575	37800	10	25	0	21.15	17.85	0.061
16QAM	2575	37800	10	25	12	21.20	17.90	0.062
16QAM	2575	37800	10	25	25	21.11	17.81	0.060
16QAM	2575	37800	10	50	0	21.01	17.71	0.059
16QAM	2595	38000	10	1	0	22.28	18.98	0.079
16QAM	2595	38000	10	1	25	22.57	19.27	0.085
16QAM	2595	38000	10	1	49	22.06	18.76	0.075
16QAM	2595	38000	10	25	0	21.11	17.81	0.060
16QAM	2595	38000	10	25	12	20.98	17.68	0.059
16QAM	2595	38000	10	25	25	20.99	17.69	0.059
16QAM	2595	38000	10	50	0	21.06	17.76	0.060
16QAM	2615	38200	10	1	0	22.13	18.83	0.076
16QAM	2615	38200	10	1	25	22.30	19.00	0.079
16QAM	2615	38200	10	1	49	22.28	18.98	0.079
16QAM	2615	38200	10	25	0	20.82	17.52	0.056
16QAM	2615	38200	10	25	12	20.80	17.50	0.056
16QAM	2615	38200	10	25	25	20.93	17.63	0.058
16QAM	2615	38200	10	50	0	20.93	17.63	0.058
64QAM	2575	37800	10	1	0	22.03	18.73	0.075
64QAM	2575	37800	10	1	25	22.41	19.11	0.081
64QAM	2575	37800	10	1	49	21.92	18.62	0.073
64QAM	2575	37800	10	25	0	21.16	17.86	0.061
64QAM	2575	37800	10	25	12	21.18	17.88	0.061
64QAM	2575	37800	10	25	25	21.15	17.85	0.061
64QAM	2575	37800	10	50	0	21.22	17.92	0.062
64QAM	2595	38000	10	1	0	21.64	18.34	0.068
64QAM	2595	38000	10	1	25	22.25	18.95	0.079
64QAM	2595	38000	10	1	49	21.54	18.24	0.067
64QAM	2595	38000	10	25	0	20.99	17.69	0.059
64QAM	2595	38000	10	25	12	21.07	17.77	0.060
64QAM	2595	38000	10	25	25	21.05	17.75	0.060
64QAM	2595	38000	10	50	0	21.01	17.71	0.059
64QAM	2615	38200	10	1	0	21.92	18.62	0.073
64QAM	2615	38200	10	1	25	22.08	18.78	0.076
64QAM	2615	38200	10	1	49	21.71	18.41	0.069
64QAM	2615	38200	10	25	0	20.85	17.55	0.057
64QAM	2615	38200	10	25	12	20.83	17.53	0.057
64QAM	2615	38200	10	25	25	20.93	17.63	0.058
64QAM	2615	38200	10	50	0	20.93	17.63	0.058

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2577.5	37825	15	1	0	22.92	19.62	0.092
QPSK	2577.5	37825	15	1	37	23.20	19.90	0.098
QPSK	2577.5	37825	15	1	74	22.89	19.59	0.091
QPSK	2577.5	37825	15	36	0	22.02	18.72	0.074
QPSK	2577.5	37825	15	36	29	21.96	18.66	0.073
QPSK	2577.5	37825	15	36	30	21.96	18.66	0.073
QPSK	2577.5	37825	15	75	0	21.97	18.67	0.074
QPSK	2595	38000	15	1	0	23.24	19.94	0.099
QPSK	2595	38000	15	1	37	22.79	19.49	0.089
QPSK	2595	38000	15	1	74	23.02	19.72	0.094
QPSK	2595	38000	15	36	0	21.87	18.57	0.072
QPSK	2595	38000	15	36	29	21.85	18.55	0.072
QPSK	2595	38000	15	36	30	21.76	18.46	0.070
QPSK	2595	38000	15	75	0	21.84	18.54	0.071
QPSK	2612.5	38175	15	1	0	22.66	19.36	0.086
QPSK	2612.5	38175	15	1	37	22.79	19.49	0.089
QPSK	2612.5	38175	15	1	74	23.14	19.84	0.096
QPSK	2612.5	38175	15	36	0	21.65	18.35	0.068
QPSK	2612.5	38175	15	36	29	21.77	18.47	0.070
QPSK	2612.5	38175	15	36	30	21.79	18.49	0.071
QPSK	2612.5	38175	15	75	0	21.77	18.47	0.070

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2577.5	37825	15	1	0	21.92	18.62	0.073
16QAM	2577.5	37825	15	1	37	22.28	18.98	0.079
16QAM	2577.5	37825	15	1	74	22.18	18.88	0.077
16QAM	2577.5	37825	15	36	0	21.02	17.72	0.059
16QAM	2577.5	37825	15	36	29	21.06	17.76	0.060
16QAM	2577.5	37825	15	36	30	20.91	17.61	0.058
16QAM	2577.5	37825	15	75	0	20.96	17.66	0.058
16QAM	2595	38000	15	1	0	22.47	19.17	0.083
16QAM	2595	38000	15	1	37	21.95	18.65	0.073
16QAM	2595	38000	15	1	74	22.07	18.77	0.075
16QAM	2595	38000	15	36	0	20.92	17.62	0.058
16QAM	2595	38000	15	36	29	20.87	17.57	0.057
16QAM	2595	38000	15	36	30	20.85	17.55	0.057
16QAM	2595	38000	15	75	0	20.88	17.58	0.057
16QAM	2612.5	38175	15	1	0	21.88	18.58	0.072
16QAM	2612.5	38175	15	1	37	21.94	18.64	0.073
16QAM	2612.5	38175	15	1	74	22.37	19.07	0.081
16QAM	2612.5	38175	15	36	0	20.75	17.45	0.056
16QAM	2612.5	38175	15	36	29	20.77	17.47	0.056
16QAM	2612.5	38175	15	36	30	20.78	17.48	0.056
16QAM	2612.5	38175	15	75	0	20.65	17.35	0.054
64QAM	2577.5	37825	15	1	0	22.02	18.72	0.074
64QAM	2577.5	37825	15	1	37	21.91	18.61	0.073
64QAM	2577.5	37825	15	1	74	22.38	19.08	0.081
64QAM	2577.5	37825	15	36	0	20.96	17.66	0.058
64QAM	2577.5	37825	15	36	29	21.03	17.73	0.059
64QAM	2577.5	37825	15	36	30	21.02	17.72	0.059
64QAM	2577.5	37825	15	75	0	20.99	17.69	0.059
64QAM	2595	38000	15	1	0	22.09	18.79	0.076
64QAM	2595	38000	15	1	37	22.05	18.75	0.075
64QAM	2595	38000	15	1	74	21.93	18.63	0.073
64QAM	2595	38000	15	36	0	20.81	17.51	0.056
64QAM	2595	38000	15	36	29	20.90	17.60	0.058
64QAM	2595	38000	15	36	30	20.85	17.55	0.057
64QAM	2595	38000	15	75	0	20.92	17.62	0.058
64QAM	2612.5	38175	15	1	0	21.84	18.54	0.071
64QAM	2612.5	38175	15	1	37	22.06	18.76	0.075
64QAM	2612.5	38175	15	1	74	21.86	18.56	0.072
64QAM	2612.5	38175	15	36	0	20.79	17.49	0.056
64QAM	2612.5	38175	15	36	29	20.78	17.48	0.056
64QAM	2612.5	38175	15	36	30	20.76	17.46	0.056
64QAM	2612.5	38175	15	75	0	20.78	17.48	0.056

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	23.03	19.73	0.094
QPSK	2580	37850	20	1	49	23.41	20.11	0.103
QPSK	2580	37850	20	1	99	22.93	19.63	0.092
QPSK	2580	37850	20	50	0	22.01	18.71	0.074
QPSK	2580	37850	20	50	24	21.97	18.67	0.074
QPSK	2580	37850	20	50	50	21.96	18.66	0.073
QPSK	2580	37850	20	100	0	22.05	18.75	0.075
QPSK	2595	38000	20	1	0	23.30	20.00	0.100
QPSK	2595	38000	20	1	49	23.16	19.86	0.097
QPSK	2595	38000	20	1	99	23.09	19.79	0.095
QPSK	2595	38000	20	50	0	21.99	18.69	0.074
QPSK	2595	38000	20	50	24	21.84	18.54	0.071
QPSK	2595	38000	20	50	50	21.80	18.50	0.071
QPSK	2595	38000	20	100	0	21.83	18.53	0.071
QPSK	2610	38150	20	1	0	22.97	19.67	0.093
QPSK	2610	38150	20	1	49	22.65	19.35	0.086
QPSK	2610	38150	20	1	99	22.97	19.67	0.093
QPSK	2610	38150	20	50	0	21.71	18.41	0.069
QPSK	2610	38150	20	50	24	21.67	18.37	0.069
QPSK	2610	38150	20	50	50	21.76	18.46	0.070
QPSK	2610	38150	20	100	0	21.68	18.38	0.069

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2580	37850	20	1	0	22.55	19.25	0.084
16QAM	2580	37850	20	1	49	22.20	18.90	0.078
16QAM	2580	37850	20	1	99	22.02	18.72	0.074
16QAM	2580	37850	20	50	0	21.02	17.72	0.059
16QAM	2580	37850	20	50	24	21.04	17.74	0.059
16QAM	2580	37850	20	50	50	20.91	17.61	0.058
16QAM	2580	37850	20	100	0	21.04	17.74	0.059
16QAM	2595	38000	20	1	0	22.31	19.01	0.080
16QAM	2595	38000	20	1	49	22.30	19.00	0.079
16QAM	2595	38000	20	1	99	21.97	18.67	0.074
16QAM	2595	38000	20	50	0	20.91	17.61	0.058
16QAM	2595	38000	20	50	24	20.84	17.54	0.057
16QAM	2595	38000	20	50	50	20.83	17.53	0.057
16QAM	2595	38000	20	100	0	20.85	17.55	0.057
16QAM	2610	38150	20	1	0	21.91	18.61	0.073
16QAM	2610	38150	20	1	49	22.43	19.13	0.082
16QAM	2610	38150	20	1	99	21.80	18.50	0.071
16QAM	2610	38150	20	50	0	20.73	17.43	0.055
16QAM	2610	38150	20	50	24	20.70	17.40	0.055
16QAM	2610	38150	20	50	50	20.76	17.46	0.056
16QAM	2610	38150	20	100	0	20.66	17.36	0.054
64QAM	2580	37850	20	1	0	22.30	19.00	0.079
64QAM	2580	37850	20	1	49	22.03	18.73	0.075
64QAM	2580	37850	20	1	99	22.08	18.78	0.076
64QAM	2580	37850	20	50	0	21.04	17.74	0.059
64QAM	2580	37850	20	50	24	21.06	17.76	0.060
64QAM	2580	37850	20	50	50	20.96	17.66	0.058
64QAM	2580	37850	20	100	0	21.00	17.70	0.059
64QAM	2595	38000	20	1	0	21.94	18.64	0.073
64QAM	2595	38000	20	1	49	22.00	18.70	0.074
64QAM	2595	38000	20	1	99	21.67	18.37	0.069
64QAM	2595	38000	20	50	0	20.89	17.59	0.057
64QAM	2595	38000	20	50	24	20.85	17.55	0.057
64QAM	2595	38000	20	50	50	20.80	17.50	0.056
64QAM	2595	38000	20	100	0	20.85	17.55	0.057
64QAM	2610	38150	20	1	0	22.05	18.75	0.075
64QAM	2610	38150	20	1	49	21.99	18.69	0.074
64QAM	2610	38150	20	1	99	22.07	18.77	0.075
64QAM	2610	38150	20	50	0	20.73	17.43	0.055
64QAM	2610	38150	20	50	24	20.64	17.34	0.054
64QAM	2610	38150	20	50	50	20.73	17.43	0.055
64QAM	2610	38150	20	100	0	20.68	17.38	0.055