

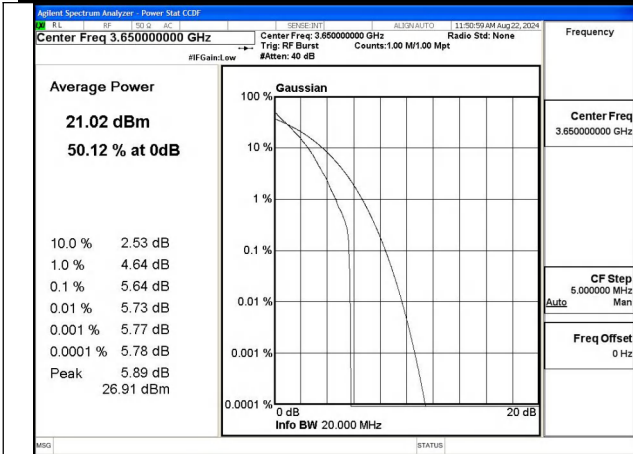


Fig.61

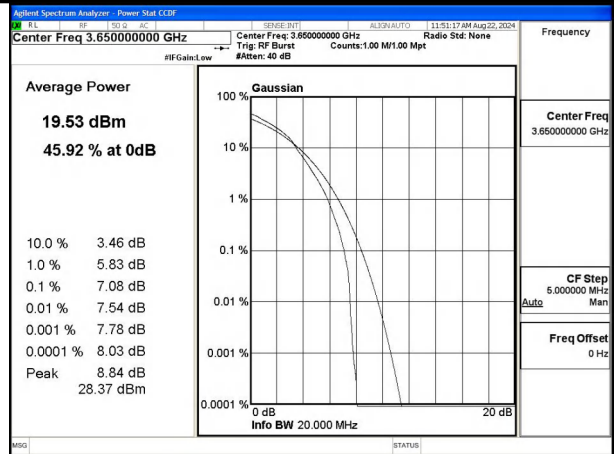


Fig.62

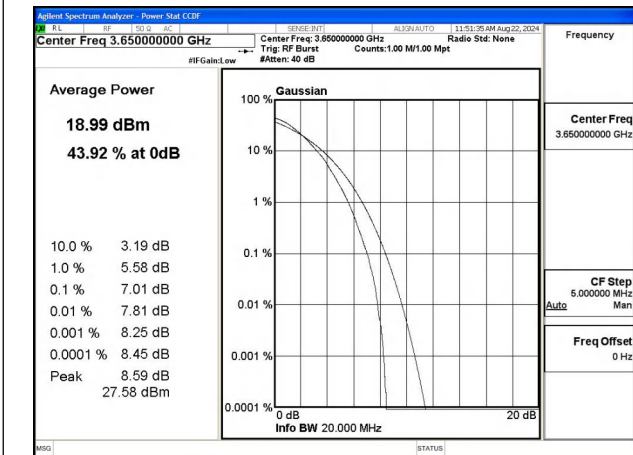


Fig.63

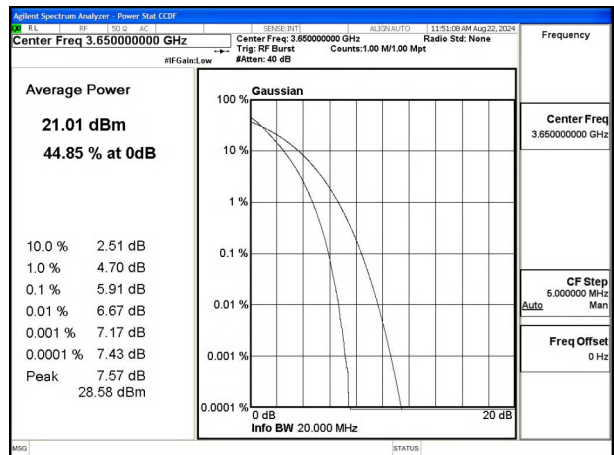


Fig.64

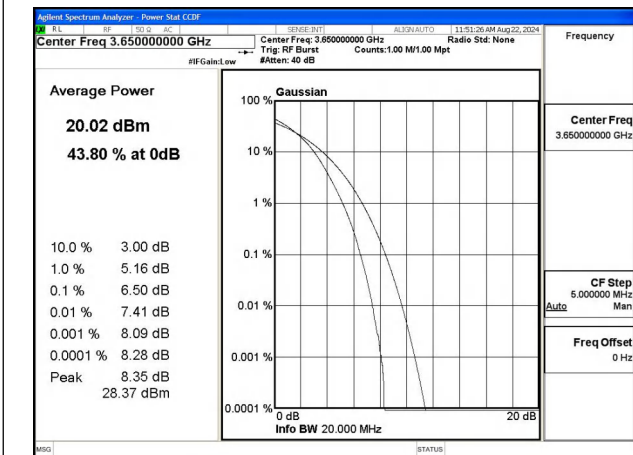


Fig.65

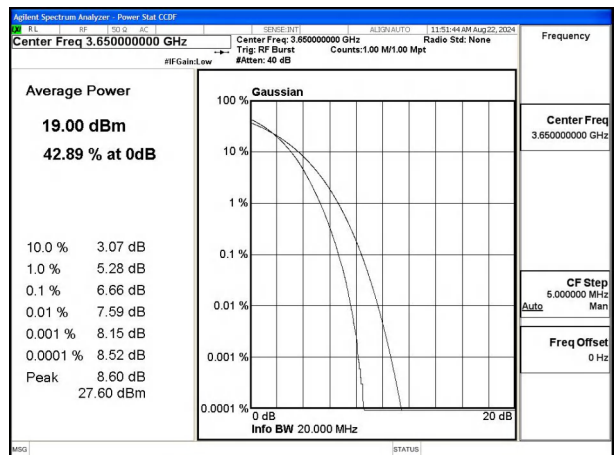


Fig.66

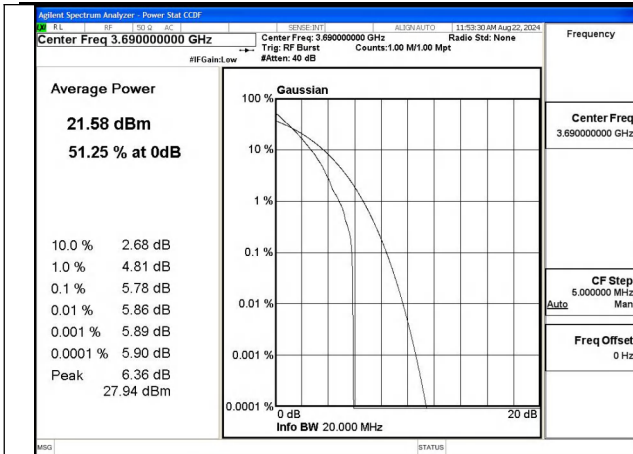


Fig.67

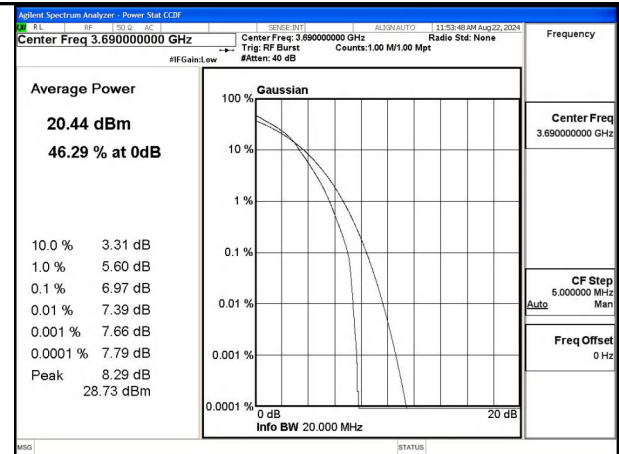


Fig.68

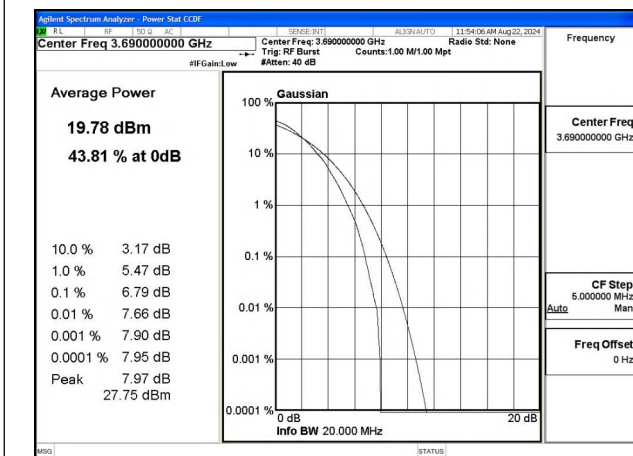


Fig.69

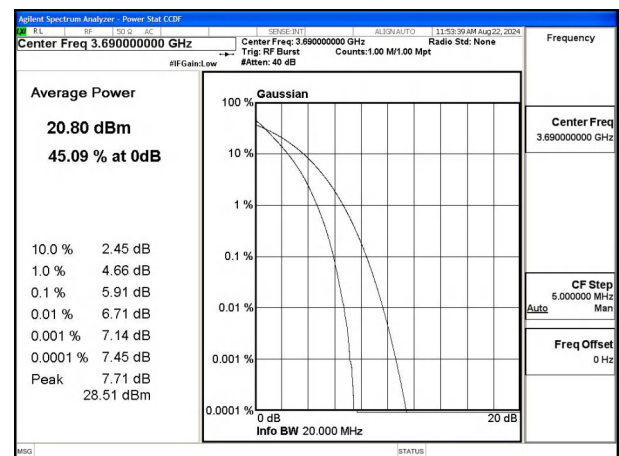


Fig.70

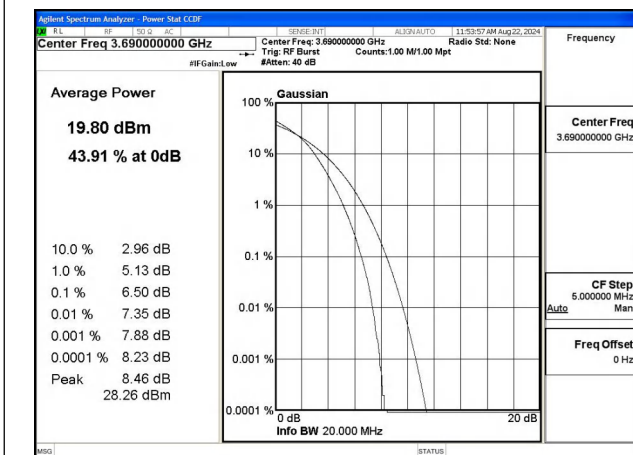


Fig.71

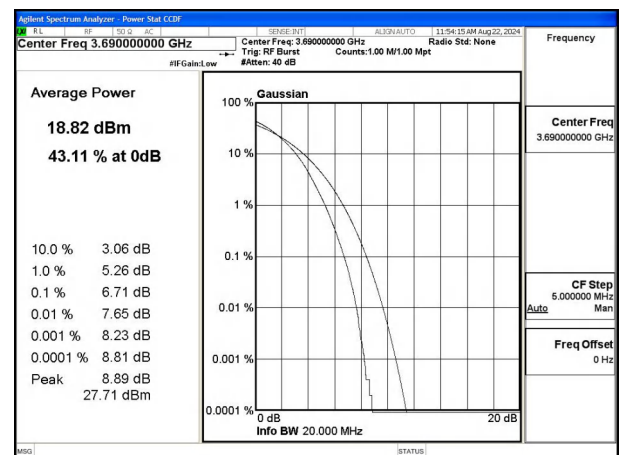


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
43	3610	43690	20	1	0	Fig.1
43	3650	44090	20	1	0	Fig.2
43	3690	44490	20	1	0	Fig.3

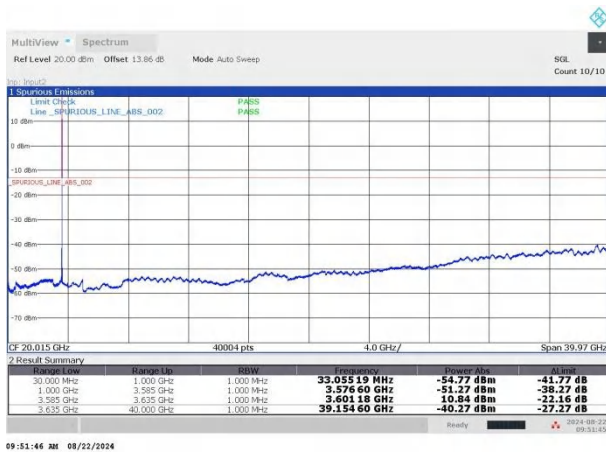


Fig.1



Fig.2



Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
43	QPSK	3602.5	43615	5	1	0	Fig.1
43	QPSK	3602.5	43615	5	25	0	Fig.2
43	QPSK	3697.5	44565	5	1	24	Fig.3
43	QPSK	3697.5	44565	5	25	0	Fig.4
43	QPSK	3605	43640	10	1	0	Fig.5
43	QPSK	3605	43640	10	50	0	Fig.6
43	QPSK	3695	44540	10	1	49	Fig.7
43	QPSK	3695	44540	10	50	0	Fig.8
43	QPSK	3607.5	43665	15	1	0	Fig.9
43	QPSK	3607.5	43665	15	75	0	Fig.10
43	QPSK	3692.5	44515	15	1	74	Fig.11
43	QPSK	3692.5	44515	15	75	0	Fig.12
43	QPSK	3610	43690	20	1	0	Fig.13
43	QPSK	3610	43690	20	100	0	Fig.14
43	QPSK	3690	44490	20	1	99	Fig.15
43	QPSK	3690	44490	20	100	0	Fig.16

Test Mode: QPSK

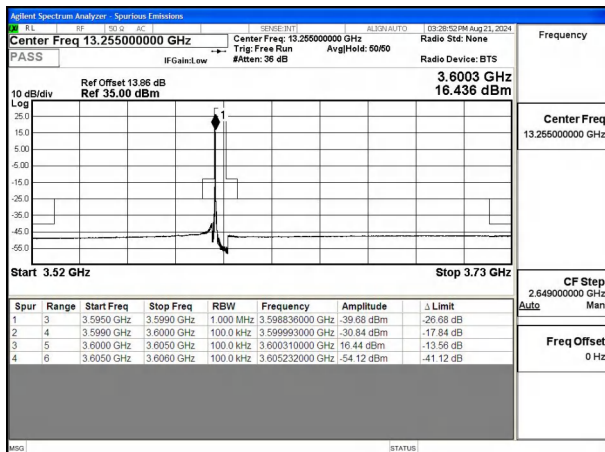


Fig.1

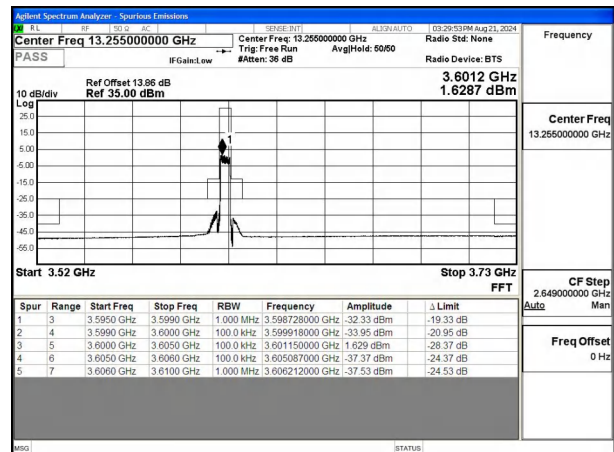


Fig.2

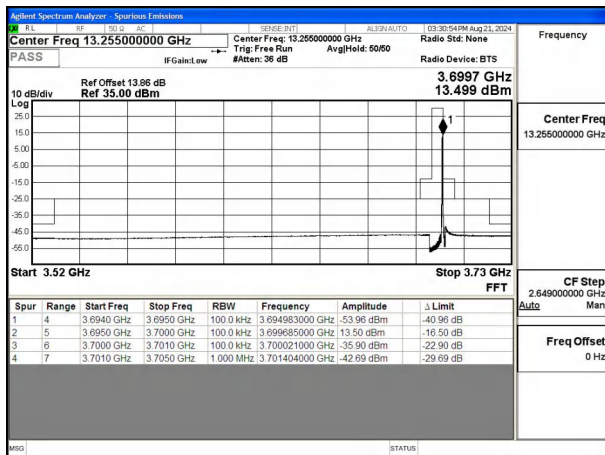


Fig.3

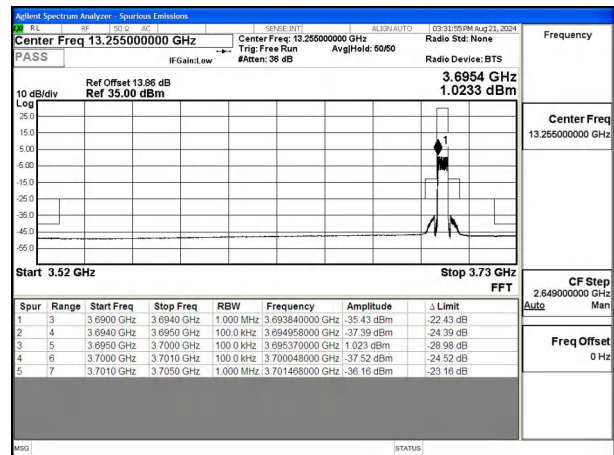


Fig.4

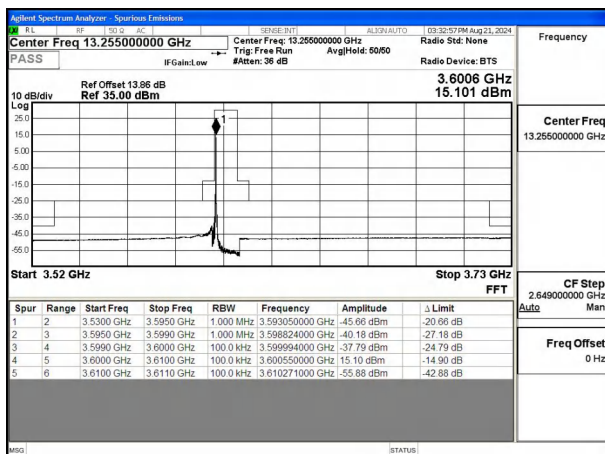


Fig.5

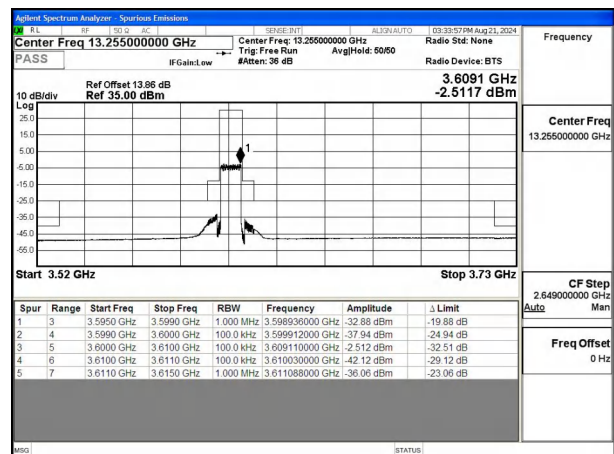


Fig.6

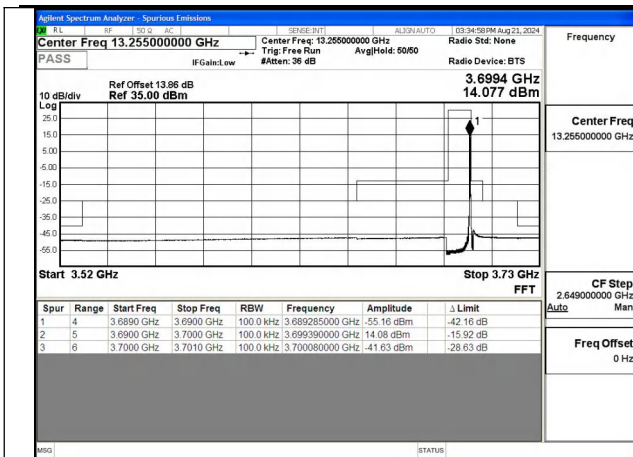


Fig.7

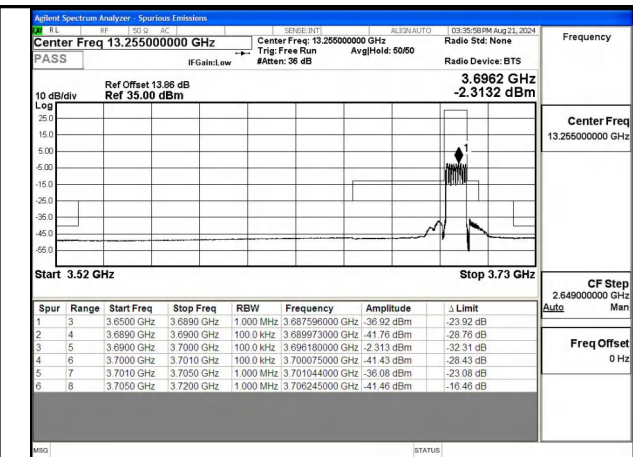


Fig.8

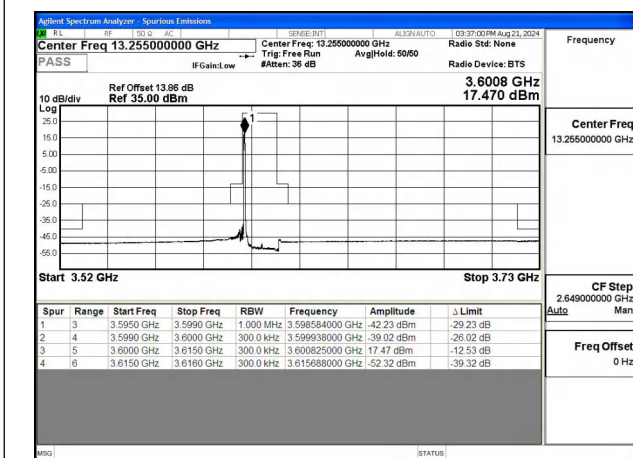


Fig.9

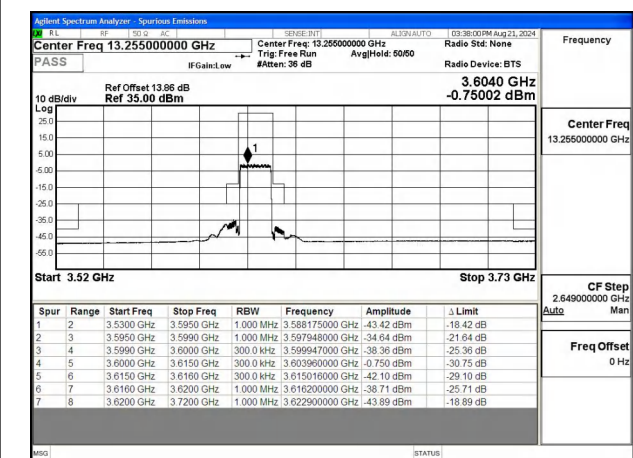


Fig.10

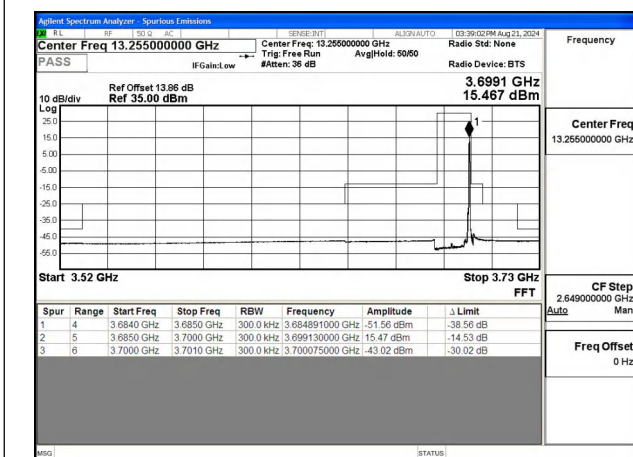


Fig.11

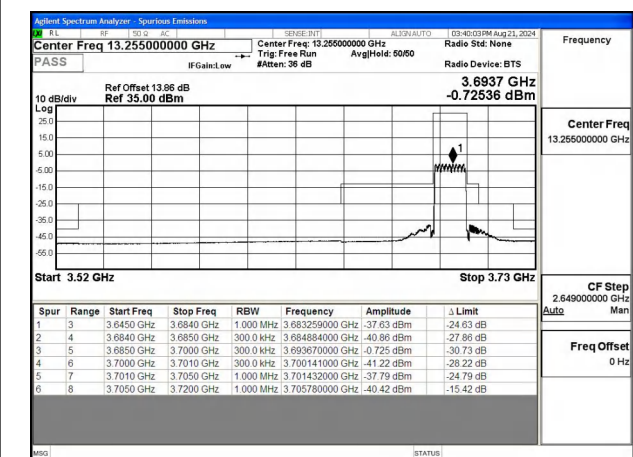


Fig.12

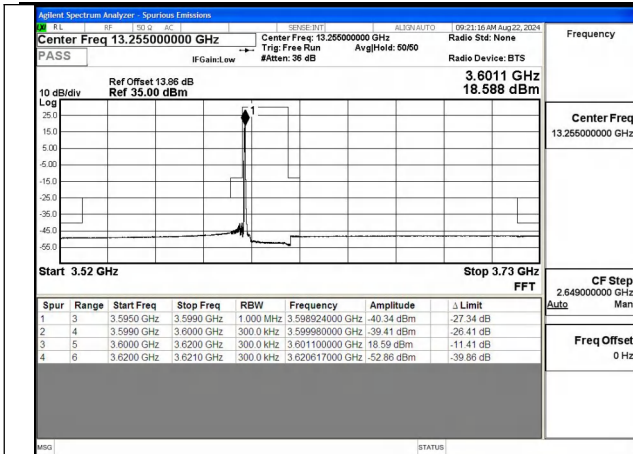


Fig.13

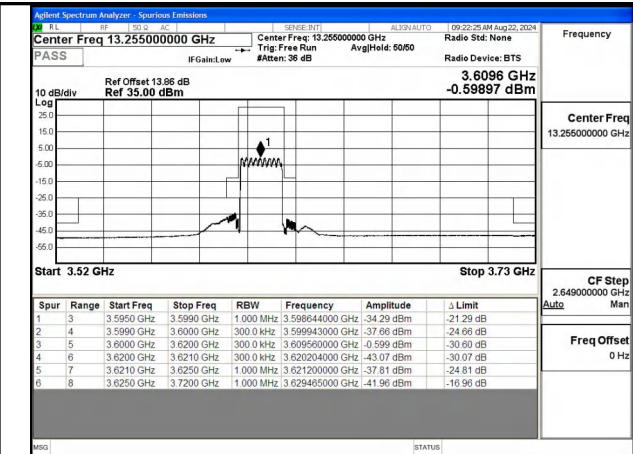


Fig.14

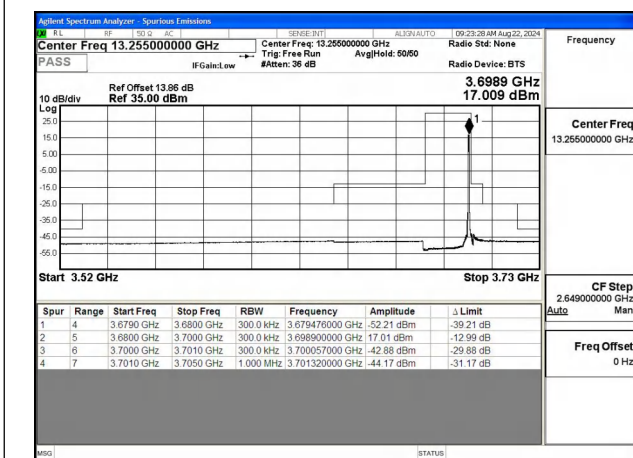


Fig.15

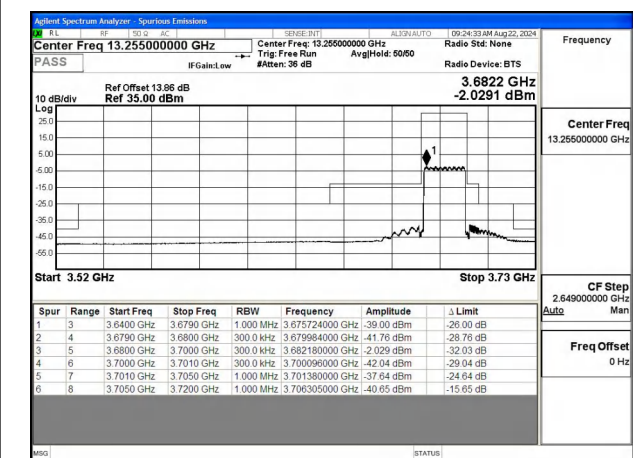


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 43 Low Channel QPSK			
		5M	10M	15M	20M
-30	NV	0.002	0.002	0.002	0.001
-20	NV	0.002	0.002	0.002	0.001
-10	NV	0.002	0.002	0.002	0.002
0	NV	0.002	0.002	0.001	0.002
+10	NV	0.002	0.001	0.002	0.001
+20	NV	0.001	0.002	0.002	0.001
+30	NV	0.002	0.002	0.002	0.001
+40	NV	0.001	0.002	0.001	0.002
+50	NV	0.002	0.000	0.002	0.002
+20	LV	0.002	0.002	0.002	0.002
+20	HV	0.001	0.002	0.001	0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 43 High Channel QPSK			
		5M	10M	15M	20M
-30	NV	0.001	0.001	0.001	0.001
-20	NV	0.002	0.001	0.001	0.001
-10	NV	0.001	0.001	0.001	0.001
0	NV	0.002	0.001	0.001	0.001
+10	NV	0.001	0.001	0.001	0.001
+20	NV	0.002	0.001	0.001	0.000
+30	NV	0.002	0.001	0.001	0.002
+40	NV	0.003	0.001	0.001	0.001
+50	NV	0.002	0.002	0.002	0.002
+20	LV	0.002	0.001	0.001	0.001
+20	HV	0.001	0.002	0.001	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	3602.5	43615	5	1	0	24.48	27.04	0.506
QPSK	3602.5	43615	5	1	12	24.15	26.71	0.469
QPSK	3602.5	43615	5	1	24	24.05	26.61	0.458
QPSK	3602.5	43615	5	12	0	23.12	25.68	0.370
QPSK	3602.5	43615	5	12	7	23.12	25.68	0.370
QPSK	3602.5	43615	5	12	13	23.07	25.63	0.366
QPSK	3602.5	43615	5	25	0	23.09	25.65	0.367
QPSK	3650	44090	5	1	0	24.72	27.28	0.535
QPSK	3650	44090	5	1	12	24.74	27.30	0.537
QPSK	3650	44090	5	1	24	24.72	27.28	0.535
QPSK	3650	44090	5	12	0	23.71	26.27	0.424
QPSK	3650	44090	5	12	7	23.73	26.29	0.426
QPSK	3650	44090	5	12	13	23.70	26.26	0.423
QPSK	3650	44090	5	25	0	23.71	26.27	0.424
QPSK	3697.5	44565	5	1	0	24.79	27.35	0.543
QPSK	3697.5	44565	5	1	12	24.83	27.39	0.548
QPSK	3697.5	44565	5	1	24	24.82	27.38	0.547
QPSK	3697.5	44565	5	12	0	23.79	26.35	0.432
QPSK	3697.5	44565	5	12	7	23.85	26.41	0.438
QPSK	3697.5	44565	5	12	13	23.80	26.36	0.433
QPSK	3697.5	44565	5	25	0	23.81	26.37	0.434

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3602.5	43615	5	1	0	23.65	26.21	0.418
16QAM	3602.5	43615	5	1	12	23.53	26.09	0.406
16QAM	3602.5	43615	5	1	24	23.26	25.82	0.382
16QAM	3602.5	43615	5	12	0	22.25	24.81	0.303
16QAM	3602.5	43615	5	12	7	22.09	24.65	0.292
16QAM	3602.5	43615	5	12	13	22.06	24.62	0.290
16QAM	3602.5	43615	5	25	0	22.11	24.67	0.293
16QAM	3650	44090	5	1	0	23.75	26.31	0.428
16QAM	3650	44090	5	1	12	24.06	26.62	0.459
16QAM	3650	44090	5	1	24	23.84	26.40	0.437
16QAM	3650	44090	5	12	0	22.69	25.25	0.335
16QAM	3650	44090	5	12	7	22.85	25.41	0.348
16QAM	3650	44090	5	12	13	22.81	25.37	0.344
16QAM	3650	44090	5	25	0	22.74	25.30	0.339
16QAM	3697.5	44565	5	1	0	24.06	26.62	0.459
16QAM	3697.5	44565	5	1	12	24.32	26.88	0.488
16QAM	3697.5	44565	5	1	24	23.91	26.47	0.444
16QAM	3697.5	44565	5	12	0	22.77	25.33	0.341
16QAM	3697.5	44565	5	12	7	22.89	25.45	0.351
16QAM	3697.5	44565	5	12	13	22.76	25.32	0.340
16QAM	3697.5	44565	5	25	0	22.85	25.41	0.348
64QAM	3602.5	43615	5	1	0	23.32	25.88	0.387
64QAM	3602.5	43615	5	1	12	22.99	25.55	0.359
64QAM	3602.5	43615	5	1	24	23.03	25.59	0.362
64QAM	3602.5	43615	5	12	0	22.15	24.71	0.296
64QAM	3602.5	43615	5	12	7	22.17	24.73	0.297
64QAM	3602.5	43615	5	12	13	22.10	24.66	0.292
64QAM	3602.5	43615	5	25	0	22.07	24.63	0.290
64QAM	3650	44090	5	1	0	23.69	26.25	0.422
64QAM	3650	44090	5	1	12	23.74	26.30	0.427
64QAM	3650	44090	5	1	24	23.57	26.13	0.410
64QAM	3650	44090	5	12	0	22.78	25.34	0.342
64QAM	3650	44090	5	12	7	22.73	25.29	0.338
64QAM	3650	44090	5	12	13	22.65	25.21	0.332
64QAM	3650	44090	5	25	0	22.73	25.29	0.338
64QAM	3697.5	44565	5	1	0	24.21	26.77	0.475
64QAM	3697.5	44565	5	1	12	24.24	26.80	0.479
64QAM	3697.5	44565	5	1	24	24.23	26.79	0.478
64QAM	3697.5	44565	5	12	0	22.78	25.34	0.342
64QAM	3697.5	44565	5	12	7	22.77	25.33	0.341
64QAM	3697.5	44565	5	12	13	22.81	25.37	0.344
64QAM	3697.5	44565	5	25	0	22.82	25.38	0.345

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3605	43640	10	1	0	24.13	26.69	0.467
QPSK	3605	43640	10	1	25	24.13	26.69	0.467
QPSK	3605	43640	10	1	49	24.09	26.65	0.462
QPSK	3605	43640	10	25	0	23.23	25.79	0.379
QPSK	3605	43640	10	25	12	23.22	25.78	0.378
QPSK	3605	43640	10	25	25	23.22	25.78	0.378
QPSK	3605	43640	10	50	0	23.23	25.79	0.379
QPSK	3650	44090	10	1	0	24.68	27.24	0.530
QPSK	3650	44090	10	1	25	24.72	27.28	0.535
QPSK	3650	44090	10	1	49	24.67	27.23	0.528
QPSK	3650	44090	10	25	0	23.80	26.36	0.433
QPSK	3650	44090	10	25	12	23.76	26.32	0.429
QPSK	3650	44090	10	25	25	23.79	26.35	0.432
QPSK	3650	44090	10	50	0	23.81	26.37	0.434
QPSK	3695	44540	10	1	0	24.74	27.30	0.537
QPSK	3695	44540	10	1	25	24.79	27.35	0.543
QPSK	3695	44540	10	1	49	24.76	27.32	0.540
QPSK	3695	44540	10	25	0	23.86	26.42	0.439
QPSK	3695	44540	10	25	12	23.88	26.44	0.441
QPSK	3695	44540	10	25	25	23.91	26.47	0.444
QPSK	3695	44540	10	50	0	23.88	26.44	0.441

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3605	43640	10	1	0	23.61	26.17	0.414
16QAM	3605	43640	10	1	25	23.40	25.96	0.394
16QAM	3605	43640	10	1	49	23.47	26.03	0.401
16QAM	3605	43640	10	25	0	22.25	24.81	0.303
16QAM	3605	43640	10	25	12	22.20	24.76	0.299
16QAM	3605	43640	10	25	25	22.34	24.90	0.309
16QAM	3605	43640	10	50	0	22.27	24.83	0.304
16QAM	3650	44090	10	1	0	24.16	26.72	0.470
16QAM	3650	44090	10	1	25	24.02	26.58	0.455
16QAM	3650	44090	10	1	49	24.11	26.67	0.465
16QAM	3650	44090	10	25	0	22.83	25.39	0.346
16QAM	3650	44090	10	25	12	22.79	25.35	0.343
16QAM	3650	44090	10	25	25	22.81	25.37	0.344
16QAM	3650	44090	10	50	0	22.79	25.35	0.343
16QAM	3695	44540	10	1	0	24.33	26.89	0.489
16QAM	3695	44540	10	1	25	24.35	26.91	0.491
16QAM	3695	44540	10	1	49	24.37	26.93	0.493
16QAM	3695	44540	10	25	0	22.92	25.48	0.353
16QAM	3695	44540	10	25	12	22.87	25.43	0.349
16QAM	3695	44540	10	25	25	22.95	25.51	0.356
16QAM	3695	44540	10	50	0	22.89	25.45	0.351
64QAM	3605	43640	10	1	0	23.49	26.05	0.403
64QAM	3605	43640	10	1	25	23.34	25.90	0.389
64QAM	3605	43640	10	1	49	23.30	25.86	0.385
64QAM	3605	43640	10	25	0	22.21	24.77	0.300
64QAM	3605	43640	10	25	12	22.19	24.75	0.299
64QAM	3605	43640	10	25	25	22.21	24.77	0.300
64QAM	3605	43640	10	50	0	22.27	24.83	0.304
64QAM	3650	44090	10	1	0	23.73	26.29	0.426
64QAM	3650	44090	10	1	25	24.18	26.74	0.472
64QAM	3650	44090	10	1	49	23.71	26.27	0.424
64QAM	3650	44090	10	25	0	22.82	25.38	0.345
64QAM	3650	44090	10	25	12	22.68	25.24	0.334
64QAM	3650	44090	10	25	25	22.84	25.40	0.347
64QAM	3650	44090	10	50	0	22.82	25.38	0.345
64QAM	3695	44540	10	1	0	23.70	26.26	0.423
64QAM	3695	44540	10	1	25	24.09	26.65	0.462
64QAM	3695	44540	10	1	49	23.90	26.46	0.443
64QAM	3695	44540	10	25	0	22.90	25.46	0.352
64QAM	3695	44540	10	25	12	22.89	25.45	0.351
64QAM	3695	44540	10	25	25	22.79	25.35	0.343
64QAM	3695	44540	10	50	0	22.89	25.45	0.351

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3607.5	43665	15	1	0	24.15	26.71	0.469
QPSK	3607.5	43665	15	1	37	24.13	26.69	0.467
QPSK	3607.5	43665	15	1	74	24.20	26.76	0.474
QPSK	3607.5	43665	15	36	0	23.16	25.72	0.373
QPSK	3607.5	43665	15	36	29	23.14	25.70	0.372
QPSK	3607.5	43665	15	36	30	23.14	25.70	0.372
QPSK	3607.5	43665	15	75	0	23.16	25.72	0.373
QPSK	3650	44090	15	1	0	25.07	27.63	0.579
QPSK	3650	44090	15	1	37	25.08	27.64	0.581
QPSK	3650	44090	15	1	74	25.03	27.59	0.574
QPSK	3650	44090	15	36	0	24.08	26.64	0.461
QPSK	3650	44090	15	36	29	24.04	26.60	0.457
QPSK	3650	44090	15	36	30	24.03	26.59	0.456
QPSK	3650	44090	15	75	0	24.05	26.61	0.458
QPSK	3692.5	44515	15	1	0	24.83	27.39	0.548
QPSK	3692.5	44515	15	1	37	24.85	27.41	0.551
QPSK	3692.5	44515	15	1	74	24.91	27.47	0.558
QPSK	3692.5	44515	15	36	0	23.92	26.48	0.445
QPSK	3692.5	44515	15	36	29	23.94	26.50	0.447
QPSK	3692.5	44515	15	36	30	23.95	26.51	0.448
QPSK	3692.5	44515	15	75	0	23.95	26.51	0.448

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3607.5	43665	15	1	0	23.48	26.04	0.402
16QAM	3607.5	43665	15	1	37	23.64	26.20	0.417
16QAM	3607.5	43665	15	1	74	23.52	26.08	0.406
16QAM	3607.5	43665	15	36	0	22.18	24.74	0.298
16QAM	3607.5	43665	15	36	29	22.22	24.78	0.301
16QAM	3607.5	43665	15	36	30	22.15	24.71	0.296
16QAM	3607.5	43665	15	75	0	22.15	24.71	0.296
16QAM	3650	44090	15	1	0	23.85	26.41	0.438
16QAM	3650	44090	15	1	37	24.23	26.79	0.478
16QAM	3650	44090	15	1	74	24.17	26.73	0.471
16QAM	3650	44090	15	36	0	23.01	25.57	0.361
16QAM	3650	44090	15	36	29	22.99	25.55	0.359
16QAM	3650	44090	15	36	30	22.99	25.55	0.359
16QAM	3650	44090	15	75	0	23.04	25.60	0.363
16QAM	3692.5	44515	15	1	0	23.99	26.55	0.452
16QAM	3692.5	44515	15	1	37	24.40	26.96	0.497
16QAM	3692.5	44515	15	1	74	24.02	26.58	0.455
16QAM	3692.5	44515	15	36	0	22.95	25.51	0.356
16QAM	3692.5	44515	15	36	29	22.97	25.53	0.357
16QAM	3692.5	44515	15	36	30	22.98	25.54	0.358
16QAM	3692.5	44515	15	75	0	23.00	25.56	0.360
64QAM	3607.5	43665	15	1	0	23.00	25.56	0.360
64QAM	3607.5	43665	15	1	37	23.19	25.75	0.376
64QAM	3607.5	43665	15	1	74	23.27	25.83	0.383
64QAM	3607.5	43665	15	36	0	22.21	24.77	0.300
64QAM	3607.5	43665	15	36	29	22.10	24.66	0.292
64QAM	3607.5	43665	15	36	30	22.14	24.70	0.295
64QAM	3607.5	43665	15	75	0	22.18	24.74	0.298
64QAM	3650	44090	15	1	0	23.19	25.75	0.376
64QAM	3650	44090	15	1	37	23.24	25.80	0.380
64QAM	3650	44090	15	1	74	23.22	25.78	0.378
64QAM	3650	44090	15	36	0	22.04	24.60	0.288
64QAM	3650	44090	15	36	29	22.01	24.57	0.286
64QAM	3650	44090	15	36	30	22.01	24.57	0.286
64QAM	3650	44090	15	75	0	22.01	24.57	0.286
64QAM	3692.5	44515	15	1	0	22.73	25.29	0.338
64QAM	3692.5	44515	15	1	37	23.64	26.20	0.417
64QAM	3692.5	44515	15	1	74	22.96	25.52	0.356
64QAM	3692.5	44515	15	36	0	21.99	24.55	0.285
64QAM	3692.5	44515	15	36	29	22.06	24.62	0.290
64QAM	3692.5	44515	15	36	30	21.95	24.51	0.282
64QAM	3692.5	44515	15	75	0	21.95	24.51	0.282

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3610	43690	20	1	0	24.25	26.81	0.480
QPSK	3610	43690	20	1	49	24.24	26.80	0.479
QPSK	3610	43690	20	1	99	24.39	26.95	0.495
QPSK	3610	43690	20	50	0	23.36	25.92	0.391
QPSK	3610	43690	20	50	24	23.33	25.89	0.388
QPSK	3610	43690	20	50	50	23.44	26.00	0.398
QPSK	3610	43690	20	100	0	23.40	25.96	0.394
QPSK	3650	44090	20	1	0	24.74	27.30	0.537
QPSK	3650	44090	20	1	49	24.77	27.33	0.541
QPSK	3650	44090	20	1	99	24.76	27.32	0.540
QPSK	3650	44090	20	50	0	23.90	26.46	0.443
QPSK	3650	44090	20	50	24	23.85	26.41	0.438
QPSK	3650	44090	20	50	50	23.90	26.46	0.443
QPSK	3650	44090	20	100	0	23.91	26.47	0.444
QPSK	3690	44490	20	1	0	24.86	27.42	0.552
QPSK	3690	44490	20	1	49	24.89	27.45	0.556
QPSK	3690	44490	20	1	99	24.93	27.49	0.561
QPSK	3690	44490	20	50	0	23.95	26.51	0.448
QPSK	3690	44490	20	50	24	23.92	26.48	0.445
QPSK	3690	44490	20	50	50	24.01	26.57	0.454
QPSK	3690	44490	20	100	0	23.96	26.52	0.449

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3610	43690	20	1	0	23.65	26.21	0.418
16QAM	3610	43690	20	1	49	23.79	26.35	0.432
16QAM	3610	43690	20	1	99	23.81	26.37	0.434
16QAM	3610	43690	20	50	0	22.38	24.94	0.312
16QAM	3610	43690	20	50	24	22.39	24.95	0.313
16QAM	3610	43690	20	50	50	22.50	25.06	0.321
16QAM	3610	43690	20	100	0	22.41	24.97	0.314
16QAM	3650	44090	20	1	0	23.89	26.45	0.442
16QAM	3650	44090	20	1	49	24.05	26.61	0.458
16QAM	3650	44090	20	1	99	24.36	26.92	0.492
16QAM	3650	44090	20	50	0	22.92	25.48	0.353
16QAM	3650	44090	20	50	24	22.82	25.38	0.345
16QAM	3650	44090	20	50	50	22.93	25.49	0.354
16QAM	3650	44090	20	100	0	22.91	25.47	0.352
16QAM	3690	44490	20	1	0	24.10	26.66	0.463
16QAM	3690	44490	20	1	49	24.16	26.72	0.470
16QAM	3690	44490	20	1	99	24.21	26.77	0.475
16QAM	3690	44490	20	50	0	22.93	25.49	0.354
16QAM	3690	44490	20	50	24	22.98	25.54	0.358
16QAM	3690	44490	20	50	50	23.04	25.60	0.363
16QAM	3690	44490	20	100	0	22.98	25.54	0.358
64QAM	3610	43690	20	1	0	22.06	24.62	0.290
64QAM	3610	43690	20	1	49	22.34	24.90	0.309
64QAM	3610	43690	20	1	99	22.93	25.49	0.354
64QAM	3610	43690	20	50	0	21.33	23.89	0.245
64QAM	3610	43690	20	50	24	21.38	23.94	0.248
64QAM	3610	43690	20	50	50	21.39	23.95	0.248
64QAM	3610	43690	20	100	0	21.45	24.01	0.252
64QAM	3650	44090	20	1	0	22.92	25.48	0.353
64QAM	3650	44090	20	1	49	23.09	25.65	0.367
64QAM	3650	44090	20	1	99	23.24	25.80	0.380
64QAM	3650	44090	20	50	0	21.94	24.50	0.282
64QAM	3650	44090	20	50	24	21.81	24.37	0.274
64QAM	3650	44090	20	50	50	21.90	24.46	0.279
64QAM	3650	44090	20	100	0	21.95	24.51	0.282
64QAM	3690	44490	20	1	0	23.04	25.60	0.363
64QAM	3690	44490	20	1	49	22.72	25.28	0.337
64QAM	3690	44490	20	1	99	23.24	25.80	0.380
64QAM	3690	44490	20	50	0	21.97	24.53	0.284
64QAM	3690	44490	20	50	24	21.95	24.51	0.282
64QAM	3690	44490	20	50	50	22.03	24.59	0.288
64QAM	3690	44490	20	100	0	22.03	24.59	0.288