

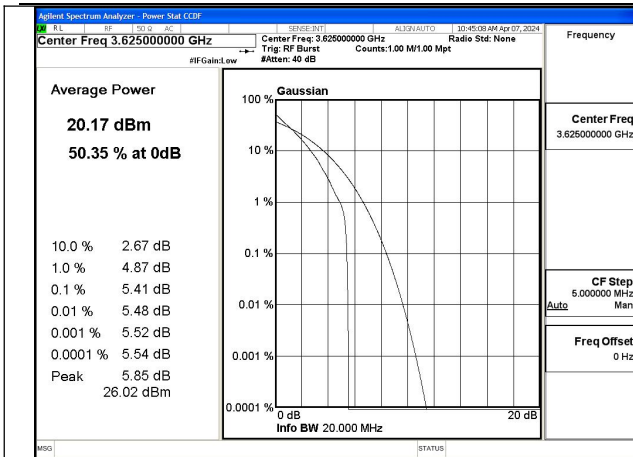


Fig.61

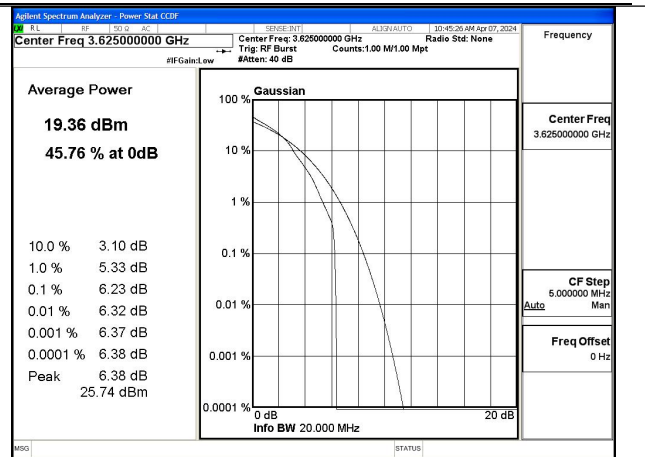


Fig.62

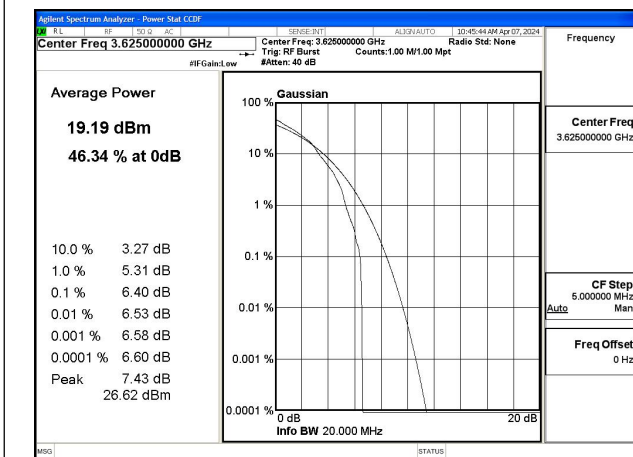


Fig.63

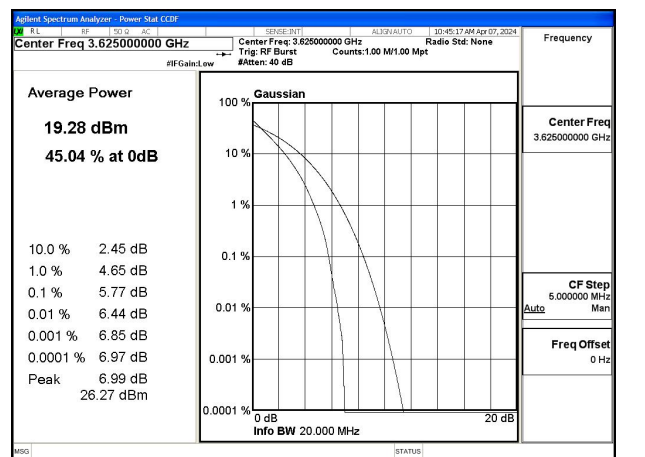


Fig.64

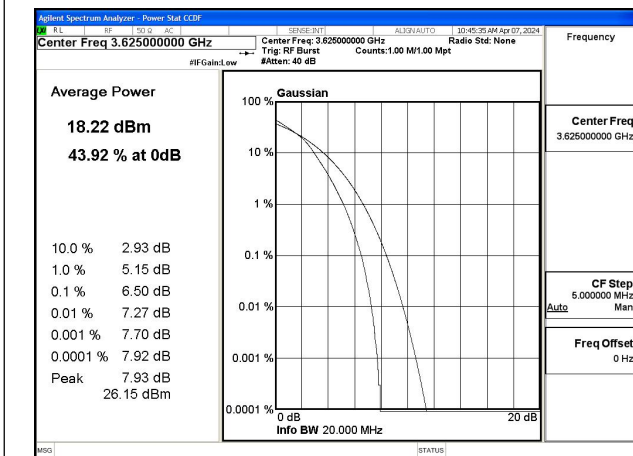


Fig.65

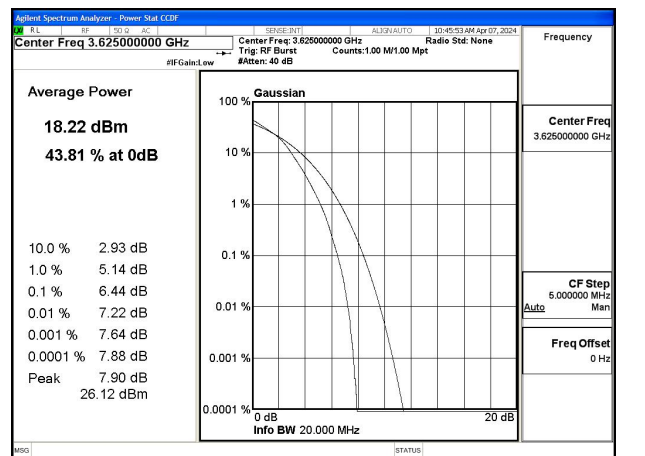


Fig.66

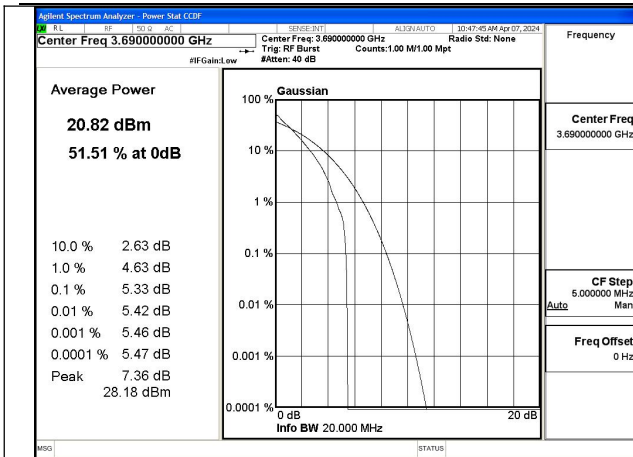


Fig.67

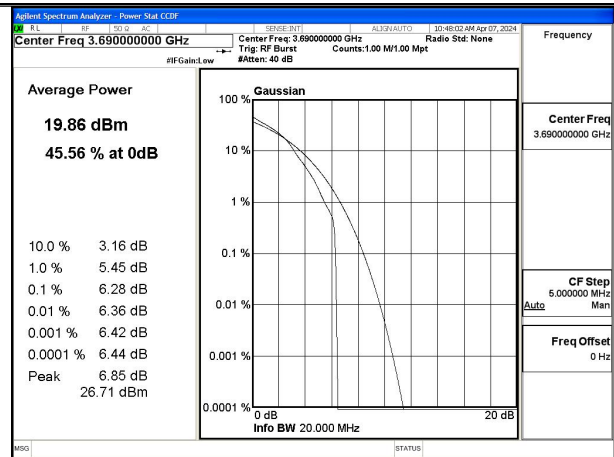


Fig.68

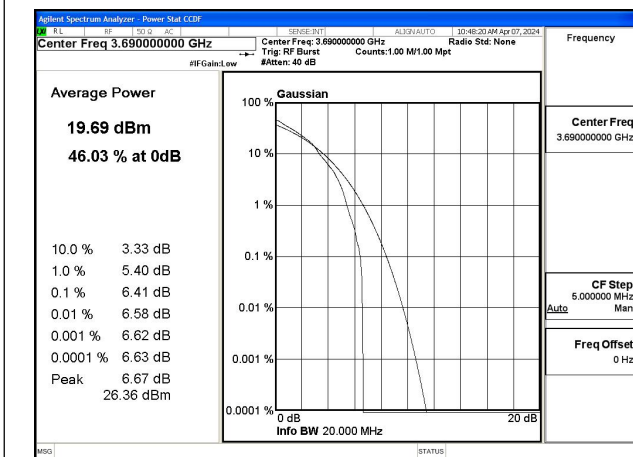


Fig.69

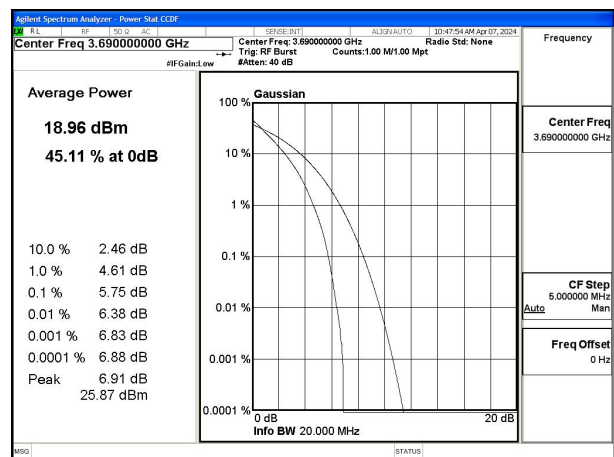


Fig.70

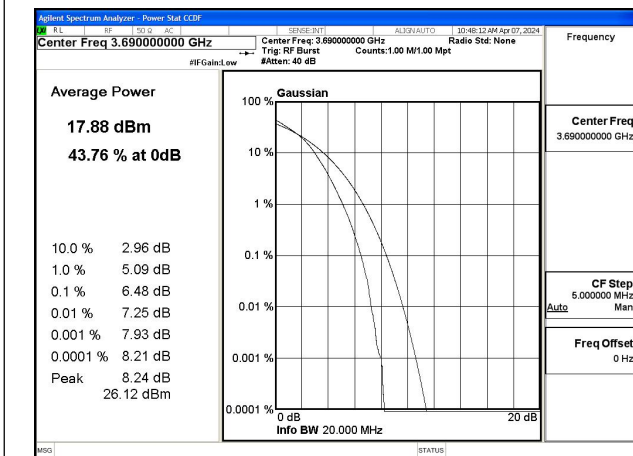


Fig.71

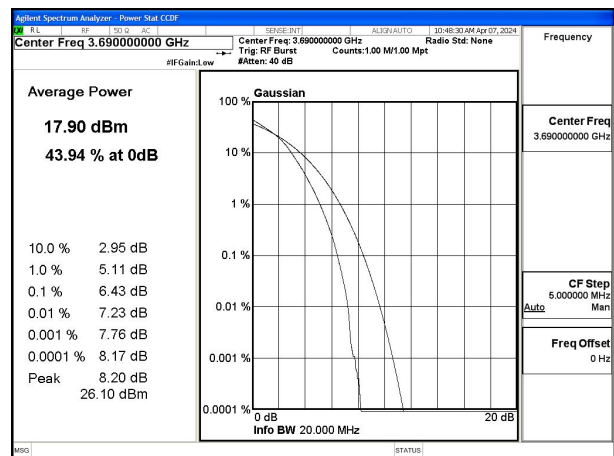


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
48	3560	55340	20	1	0	Fig.1
48	3625	55990	20	1	0	Fig.2
48	3690	56640	20	1	0	Fig.3

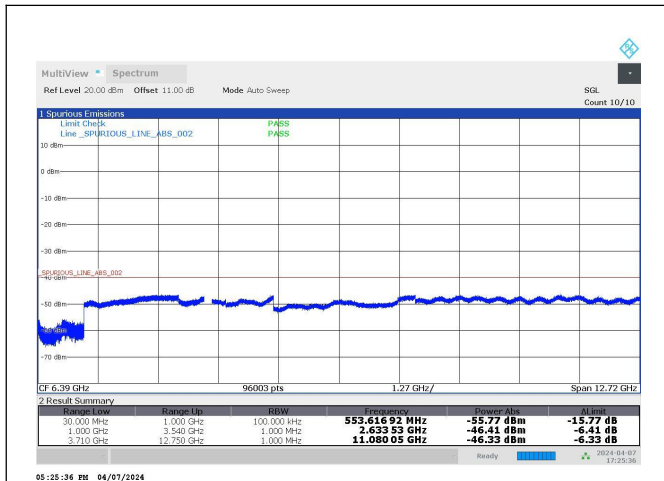


Fig.1

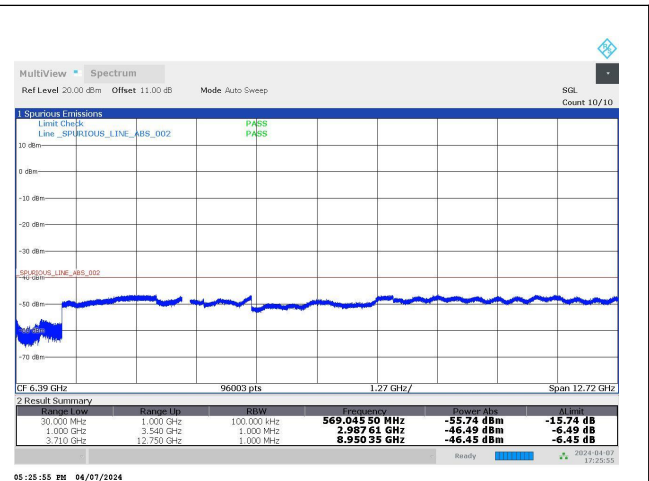


Fig.2

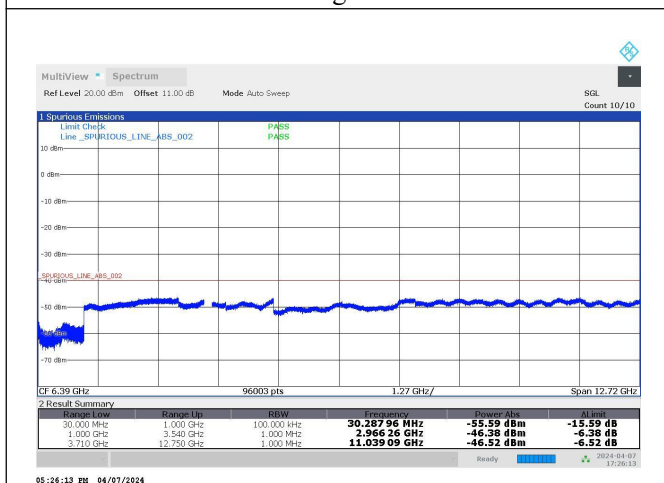


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
48	QPSK	3552.5	55265	5	1	0	Fig.1
48	QPSK	3552.5	55265	5	25	0	Fig.2
48	QPSK	3697.5	56715	5	1	24	Fig.3
48	QPSK	3697.5	56715	5	25	0	Fig.4
48	QPSK	3555	55290	10	1	0	Fig.5
48	QPSK	3555	55290	10	50	0	Fig.6
48	QPSK	3695	56690	10	1	49	Fig.7
48	QPSK	3695	56690	10	50	0	Fig.8
48	QPSK	3557.5	55315	15	1	0	Fig.9
48	QPSK	3557.5	55315	15	75	0	Fig.10
48	QPSK	3692.5	56665	15	1	74	Fig.11
48	QPSK	3692.5	56665	15	75	0	Fig.12
48	QPSK	3560	55340	20	1	0	Fig.13
48	QPSK	3560	55340	20	100	0	Fig.14
48	QPSK	3690	56640	20	1	99	Fig.15
48	QPSK	3690	56640	20	100	0	Fig.16

Test Mode: QPSK

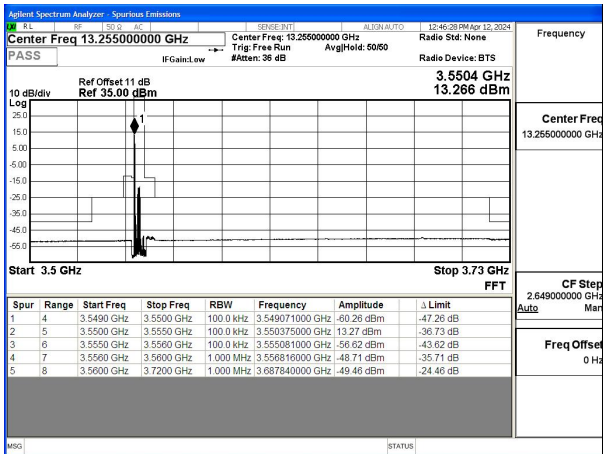


Fig.1

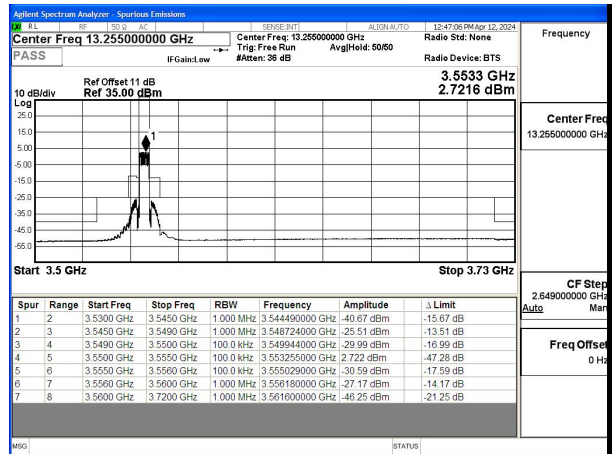


Fig.2

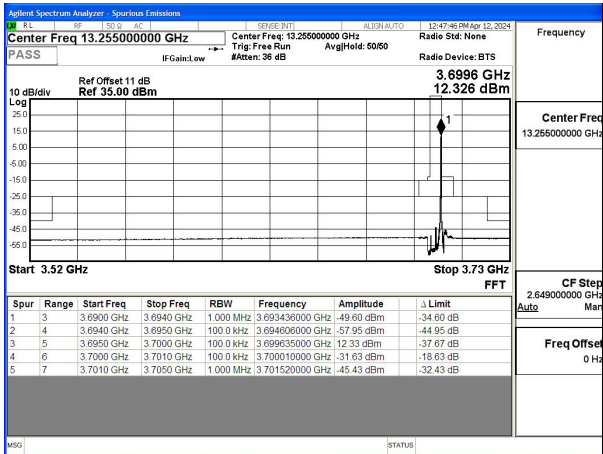


Fig.3

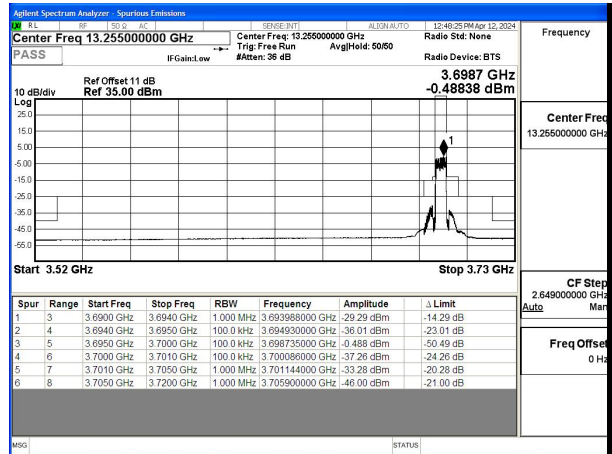


Fig.4

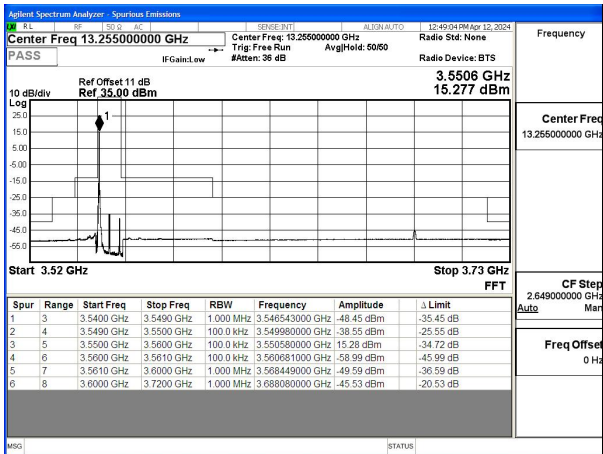


Fig.5

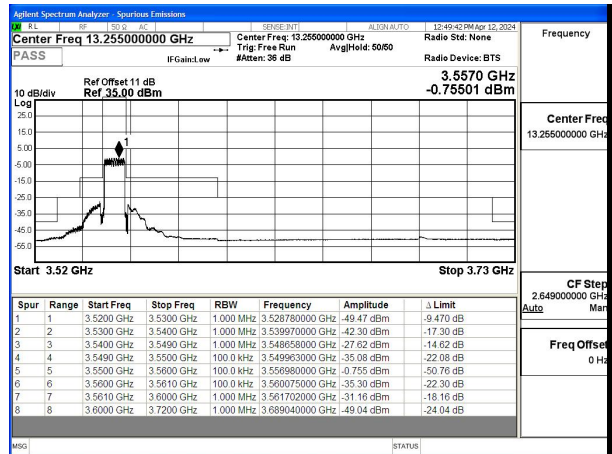


Fig.6

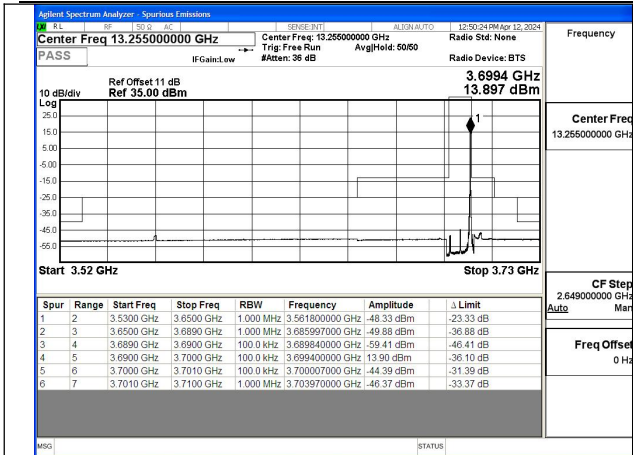


Fig.7

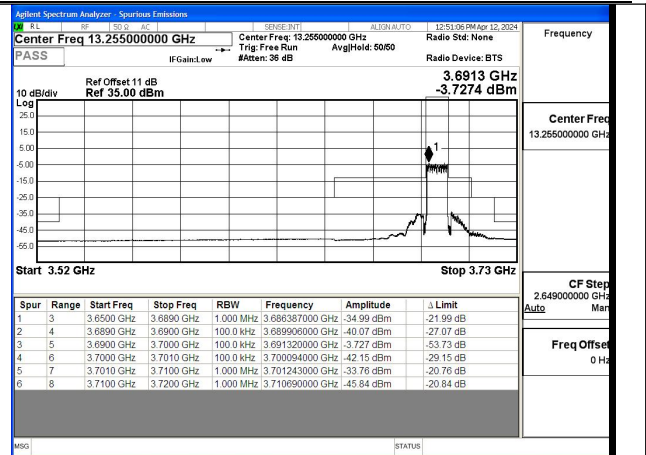


Fig.8

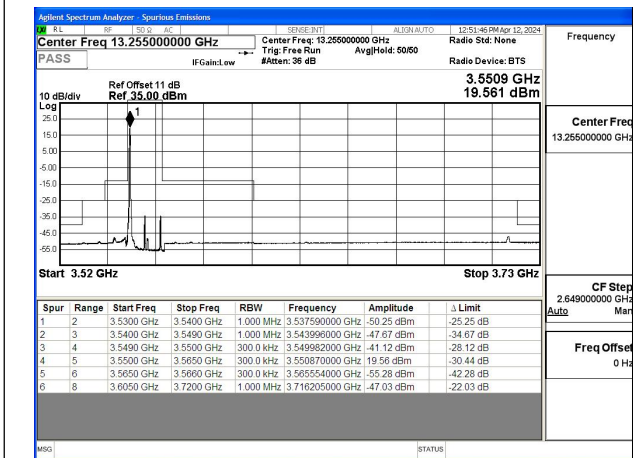


Fig.9

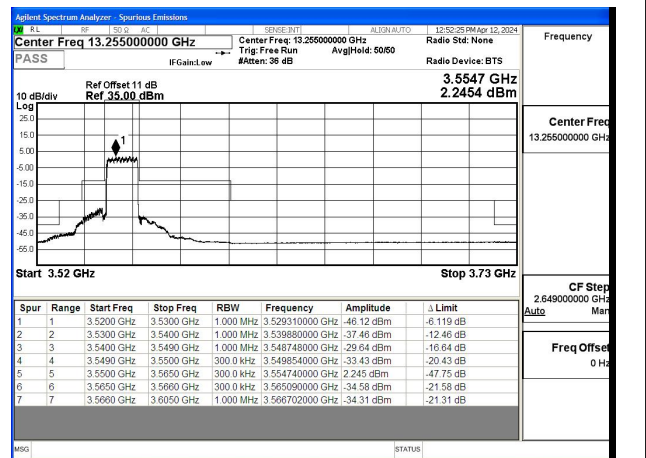


Fig.10

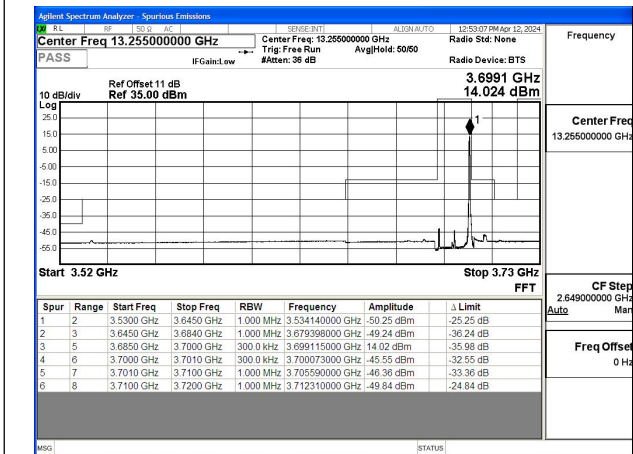


Fig.11

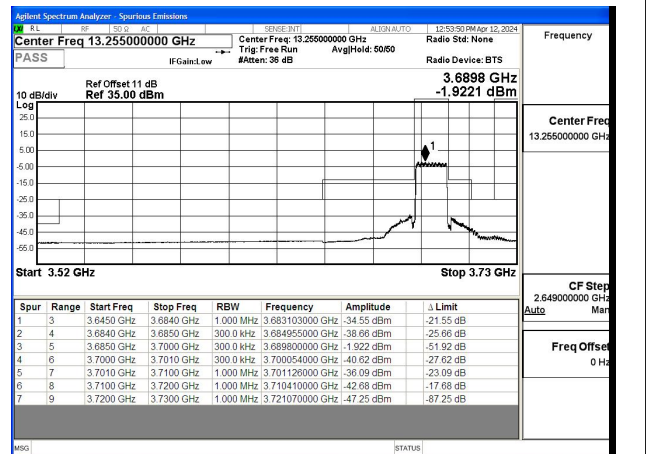


Fig.12

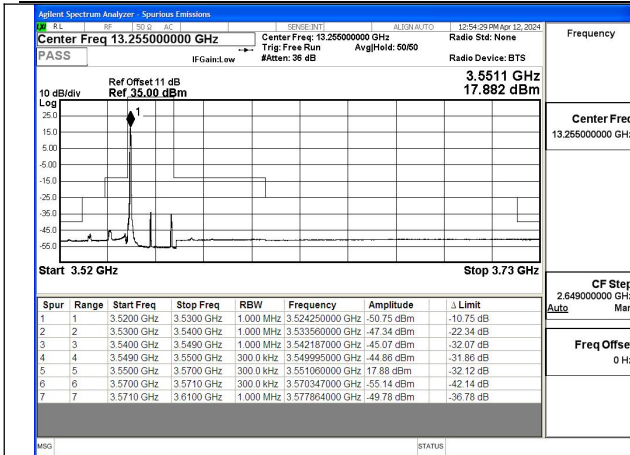


Fig.13

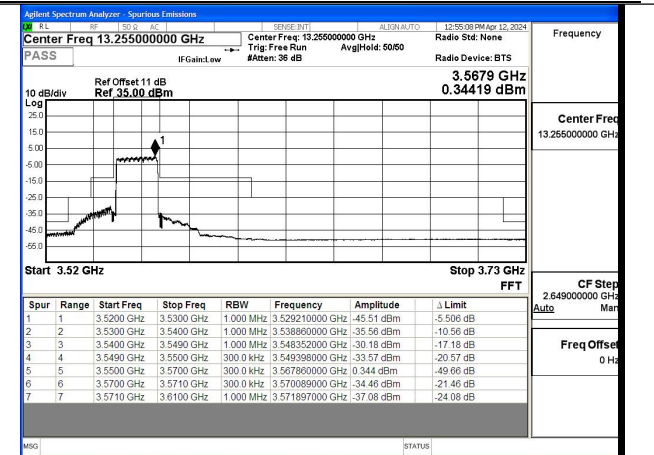


Fig.14

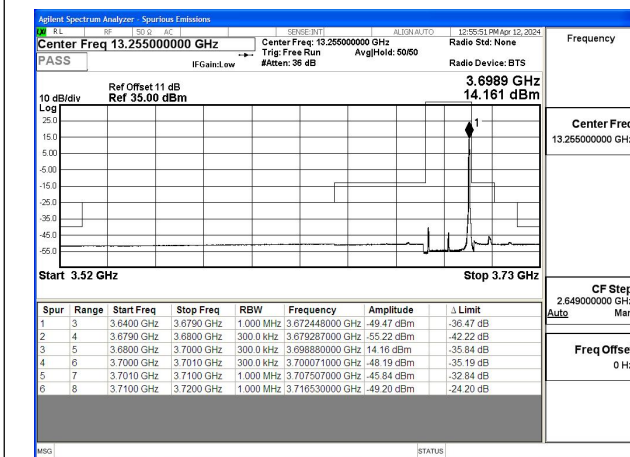


Fig.15

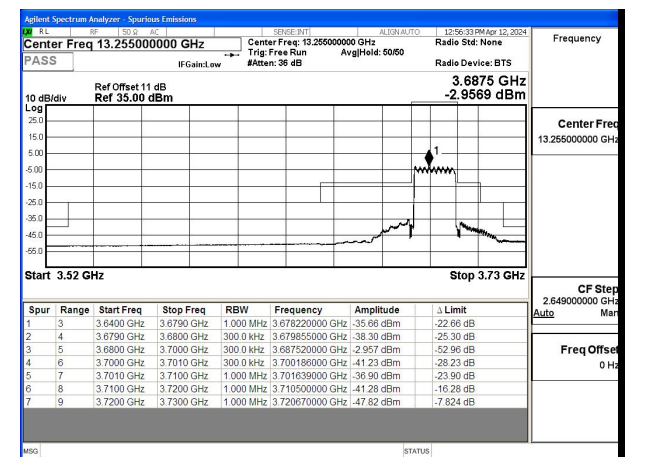


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 48 Low Channel QPSK			
		5M	10M	15M	20M
-30	NV	-0.003	-0.001	-0.002	-0.001
-20	NV	0.001	-0.002	0.003	-0.003
-10	NV	-0.002	-0.002	-0.001	0.000
0	NV	-0.002	0.000	-0.002	-0.002
+10	NV	-0.001	-0.002	-0.003	-0.002
+20	NV	-0.002	0.002	0.001	0.000
+30	NV	-0.002	0.001	0.001	0.002
+40	NV	-0.004	0.002	-0.003	0.001
+50	NV	-0.003	-0.001	0.000	0.001
+20	LV	0.004	0.001	-0.002	-0.001
+20	HV	-0.003	-0.001	0.001	-0.002

Temperature(°C)	Voltage	Test Result (ppm) Band 48 High Channel QPSK			
		5M	10M	15M	20M
-30	NV	-0.001	0.001	-0.001	-0.001
-20	NV	-0.002	0.000	0.001	-0.001
-10	NV	-0.002	0.004	-0.002	0.001
0	NV	0.001	0.001	-0.002	0.001
+10	NV	0.001	0.000	-0.003	-0.004
+20	NV	0.000	-0.002	0.001	0.002
+30	NV	-0.001	-0.003	-0.002	-0.002
+40	NV	0.002	-0.003	0.002	-0.003
+50	NV	-0.001	-0.002	-0.001	-0.001
+20	LV	0.004	0.001	0.001	-0.003
+20	HV	-0.001	-0.002	0.002	-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	3552.5	55265	5	1	0	23.25	21.25	0.133
QPSK	3552.5	55265	5	1	12	23.26	21.26	0.134
QPSK	3552.5	55265	5	1	24	23.39	21.39	0.138
QPSK	3552.5	55265	5	12	0	22.36	20.36	0.109
QPSK	3552.5	55265	5	12	7	22.44	20.44	0.111
QPSK	3552.5	55265	5	12	13	22.32	20.32	0.108
QPSK	3552.5	55265	5	25	0	22.33	20.33	0.108
QPSK	3625	55990	5	1	0	22.52	20.52	0.113
QPSK	3625	55990	5	1	12	22.47	20.47	0.111
QPSK	3625	55990	5	1	24	22.56	20.56	0.114
QPSK	3625	55990	5	12	0	21.68	19.68	0.093
QPSK	3625	55990	5	12	7	21.66	19.66	0.092
QPSK	3625	55990	5	12	13	21.64	19.64	0.092
QPSK	3625	55990	5	25	0	21.69	19.69	0.093
QPSK	3697.5	56715	5	1	0	22.53	20.53	0.113
QPSK	3697.5	56715	5	1	12	22.48	20.48	0.112
QPSK	3697.5	56715	5	1	24	22.49	20.49	0.112
QPSK	3697.5	56715	5	12	0	21.66	19.66	0.092
QPSK	3697.5	56715	5	12	7	21.54	19.54	0.090
QPSK	3697.5	56715	5	12	13	21.53	19.53	0.090
QPSK	3697.5	56715	5	25	0	21.61	19.61	0.091

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3552.5	55265	5	1	0	22.49	20.49	0.112
16QAM	3552.5	55265	5	1	12	22.60	20.60	0.115
16QAM	3552.5	55265	5	1	24	22.65	20.65	0.116
16QAM	3552.5	55265	5	12	0	21.33	19.33	0.086
16QAM	3552.5	55265	5	12	7	21.43	19.43	0.088
16QAM	3552.5	55265	5	12	13	21.42	19.42	0.087
16QAM	3552.5	55265	5	25	0	21.33	19.33	0.086
16QAM	3625	55990	5	1	0	21.87	19.87	0.097
16QAM	3625	55990	5	1	12	21.77	19.77	0.095
16QAM	3625	55990	5	1	24	21.72	19.72	0.094
16QAM	3625	55990	5	12	0	20.79	18.79	0.076
16QAM	3625	55990	5	12	7	20.59	18.59	0.072
16QAM	3625	55990	5	12	13	20.68	18.68	0.074
16QAM	3625	55990	5	25	0	20.63	18.63	0.073
16QAM	3697.5	56715	5	1	0	21.70	19.70	0.093
16QAM	3697.5	56715	5	1	12	21.70	19.70	0.093
16QAM	3697.5	56715	5	1	24	21.74	19.74	0.094
16QAM	3697.5	56715	5	12	0	20.64	18.64	0.073
16QAM	3697.5	56715	5	12	7	20.55	18.55	0.072
16QAM	3697.5	56715	5	12	13	20.54	18.54	0.071
16QAM	3697.5	56715	5	25	0	20.69	18.69	0.074
64QAM	3552.5	55265	5	1	0	22.39	20.39	0.109
64QAM	3552.5	55265	5	1	12	22.41	20.41	0.110
64QAM	3552.5	55265	5	1	24	22.48	20.48	0.112
64QAM	3552.5	55265	5	12	0	21.46	19.46	0.088
64QAM	3552.5	55265	5	12	7	21.38	19.38	0.087
64QAM	3552.5	55265	5	12	13	21.27	19.27	0.085
64QAM	3552.5	55265	5	25	0	21.26	19.26	0.084
64QAM	3625	55990	5	1	0	21.67	19.67	0.093
64QAM	3625	55990	5	1	12	21.60	19.60	0.091
64QAM	3625	55990	5	1	24	21.66	19.66	0.092
64QAM	3625	55990	5	12	0	20.64	18.64	0.073
64QAM	3625	55990	5	12	7	20.75	18.75	0.075
64QAM	3625	55990	5	12	13	20.54	18.54	0.071
64QAM	3625	55990	5	25	0	20.56	18.56	0.072
64QAM	3697.5	56715	5	1	0	21.60	19.60	0.091
64QAM	3697.5	56715	5	1	12	21.56	19.56	0.090
64QAM	3697.5	56715	5	1	24	21.70	19.70	0.093
64QAM	3697.5	56715	5	12	0	20.62	18.62	0.073
64QAM	3697.5	56715	5	12	7	20.74	18.74	0.075
64QAM	3697.5	56715	5	12	13	20.52	18.52	0.071
64QAM	3697.5	56715	5	25	0	20.54	18.54	0.071

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3555	55290	10	1	0	23.19	21.19	0.132
QPSK	3555	55290	10	1	25	23.32	21.32	0.136
QPSK	3555	55290	10	1	49	23.13	21.13	0.130
QPSK	3555	55290	10	25	0	22.36	20.36	0.109
QPSK	3555	55290	10	25	12	22.29	20.29	0.107
QPSK	3555	55290	10	25	25	22.20	20.20	0.105
QPSK	3555	55290	10	50	0	22.39	20.39	0.109
QPSK	3625	55990	10	1	0	22.85	20.85	0.122
QPSK	3625	55990	10	1	25	22.79	20.79	0.120
QPSK	3625	55990	10	1	49	22.84	20.84	0.121
QPSK	3625	55990	10	25	0	21.87	19.87	0.097
QPSK	3625	55990	10	25	12	21.70	19.70	0.093
QPSK	3625	55990	10	25	25	21.83	19.83	0.096
QPSK	3625	55990	10	50	0	21.75	19.75	0.094
QPSK	3695	56690	10	1	0	22.69	20.69	0.117
QPSK	3695	56690	10	1	25	22.75	20.75	0.119
QPSK	3695	56690	10	1	49	22.84	20.84	0.121
QPSK	3695	56690	10	25	0	21.90	19.90	0.098
QPSK	3695	56690	10	25	12	21.89	19.89	0.097
QPSK	3695	56690	10	25	25	21.78	19.78	0.095
QPSK	3695	56690	10	50	0	21.79	19.79	0.095

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3555	55290	10	1	0	22.54	20.54	0.113
16QAM	3555	55290	10	1	25	22.39	20.39	0.109
16QAM	3555	55290	10	1	49	22.54	20.54	0.113
16QAM	3555	55290	10	25	0	21.42	19.42	0.087
16QAM	3555	55290	10	25	12	21.28	19.28	0.085
16QAM	3555	55290	10	25	25	21.31	19.31	0.085
16QAM	3555	55290	10	50	0	21.43	19.43	0.088
16QAM	3625	55990	10	1	0	21.98	19.98	0.100
16QAM	3625	55990	10	1	25	22.08	20.08	0.102
16QAM	3625	55990	10	1	49	22.07	20.07	0.102
16QAM	3625	55990	10	25	0	20.75	18.75	0.075
16QAM	3625	55990	10	25	12	20.78	18.78	0.076
16QAM	3625	55990	10	25	25	20.71	18.71	0.074
16QAM	3625	55990	10	50	0	20.76	18.76	0.075
16QAM	3695	56690	10	1	0	22.02	20.02	0.100
16QAM	3695	56690	10	1	25	21.89	19.89	0.097
16QAM	3695	56690	10	1	49	22.12	20.12	0.103
16QAM	3695	56690	10	25	0	20.83	18.83	0.076
16QAM	3695	56690	10	25	12	20.94	18.94	0.078
16QAM	3695	56690	10	25	25	20.84	18.84	0.077
16QAM	3695	56690	10	50	0	20.90	18.90	0.078
64QAM	3555	55290	10	1	0	22.42	20.42	0.110
64QAM	3555	55290	10	1	25	22.29	20.29	0.107
64QAM	3555	55290	10	1	49	22.34	20.34	0.108
64QAM	3555	55290	10	25	0	21.22	19.22	0.084
64QAM	3555	55290	10	25	12	21.38	19.38	0.087
64QAM	3555	55290	10	25	25	21.21	19.21	0.083
64QAM	3555	55290	10	50	0	21.23	19.23	0.084
64QAM	3625	55990	10	1	0	21.86	19.86	0.097
64QAM	3625	55990	10	1	25	21.74	19.74	0.094
64QAM	3625	55990	10	1	49	21.90	19.90	0.098
64QAM	3625	55990	10	25	0	20.69	18.69	0.074
64QAM	3625	55990	10	25	12	21.06	19.06	0.081
64QAM	3625	55990	10	25	25	20.87	18.87	0.077
64QAM	3625	55990	10	50	0	21.05	19.05	0.080
64QAM	3695	56690	10	1	0	21.80	19.80	0.095
64QAM	3695	56690	10	1	25	21.95	19.95	0.099
64QAM	3695	56690	10	1	49	21.79	19.79	0.095
64QAM	3695	56690	10	25	0	20.70	18.70	0.074
64QAM	3695	56690	10	25	12	20.82	18.82	0.076
64QAM	3695	56690	10	25	25	20.73	18.73	0.075
64QAM	3695	56690	10	50	0	20.78	18.78	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3557.5	55315	15	1	0	23.38	21.38	0.137
QPSK	3557.5	55315	15	1	37	23.18	21.18	0.131
QPSK	3557.5	55315	15	1	74	23.19	21.19	0.132
QPSK	3557.5	55315	15	36	0	22.24	20.24	0.106
QPSK	3557.5	55315	15	36	29	22.19	20.19	0.104
QPSK	3557.5	55315	15	36	30	22.38	20.38	0.109
QPSK	3557.5	55315	15	75	0	22.36	20.36	0.109
QPSK	3625	55990	15	1	0	23.03	21.03	0.127
QPSK	3625	55990	15	1	37	22.88	20.88	0.122
QPSK	3625	55990	15	1	74	22.97	20.97	0.125
QPSK	3625	55990	15	36	0	21.99	19.99	0.100
QPSK	3625	55990	15	36	29	22.00	20.00	0.100
QPSK	3625	55990	15	36	30	22.06	20.06	0.101
QPSK	3625	55990	15	75	0	21.81	19.81	0.096
QPSK	3692.5	56665	15	1	0	22.64	20.64	0.116
QPSK	3692.5	56665	15	1	37	22.47	20.47	0.111
QPSK	3692.5	56665	15	1	74	22.77	20.77	0.119
QPSK	3692.5	56665	15	36	0	21.67	19.67	0.093
QPSK	3692.5	56665	15	36	29	21.66	19.66	0.092
QPSK	3692.5	56665	15	36	30	21.77	19.77	0.095
QPSK	3692.5	56665	15	75	0	21.75	19.75	0.094

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3557.5	55315	15	1	0	22.44	20.44	0.111
16QAM	3557.5	55315	15	1	37	22.52	20.52	0.113
16QAM	3557.5	55315	15	1	74	22.46	20.46	0.111
16QAM	3557.5	55315	15	36	0	21.21	19.21	0.083
16QAM	3557.5	55315	15	36	29	21.30	19.30	0.085
16QAM	3557.5	55315	15	36	30	21.29	19.29	0.085
16QAM	3557.5	55315	15	75	0	21.34	19.34	0.086
16QAM	3625	55990	15	1	0	22.04	20.04	0.101
16QAM	3625	55990	15	1	37	21.96	19.96	0.099
16QAM	3625	55990	15	1	74	22.06	20.06	0.101
16QAM	3625	55990	15	36	0	20.87	18.87	0.077
16QAM	3625	55990	15	36	29	20.80	18.80	0.076
16QAM	3625	55990	15	36	30	20.89	18.89	0.077
16QAM	3625	55990	15	75	0	20.97	18.97	0.079
16QAM	3692.5	56665	15	1	0	21.84	19.84	0.096
16QAM	3692.5	56665	15	1	37	21.74	19.74	0.094
16QAM	3692.5	56665	15	1	74	21.95	19.95	0.099
16QAM	3692.5	56665	15	36	0	20.69	18.69	0.074
16QAM	3692.5	56665	15	36	29	20.69	18.69	0.074
16QAM	3692.5	56665	15	36	30	20.69	18.69	0.074
16QAM	3692.5	56665	15	75	0	20.63	18.63	0.073
64QAM	3557.5	55315	15	1	0	22.32	20.32	0.108
64QAM	3557.5	55315	15	1	37	22.28	20.28	0.107
64QAM	3557.5	55315	15	1	74	22.31	20.31	0.107
64QAM	3557.5	55315	15	36	0	21.31	19.31	0.085
64QAM	3557.5	55315	15	36	29	21.33	19.33	0.086
64QAM	3557.5	55315	15	36	30	21.62	19.62	0.092
64QAM	3557.5	55315	15	75	0	21.42	19.42	0.087
64QAM	3625	55990	15	1	0	21.90	19.90	0.098
64QAM	3625	55990	15	1	37	21.81	19.81	0.096
64QAM	3625	55990	15	1	74	21.94	19.94	0.099
64QAM	3625	55990	15	36	0	20.85	18.85	0.077
64QAM	3625	55990	15	36	29	20.89	18.89	0.077
64QAM	3625	55990	15	36	30	20.88	18.88	0.077
64QAM	3625	55990	15	75	0	20.96	18.96	0.079
64QAM	3692.5	56665	15	1	0	21.61	19.61	0.091
64QAM	3692.5	56665	15	1	37	21.58	19.58	0.091
64QAM	3692.5	56665	15	1	74	21.78	19.78	0.095
64QAM	3692.5	56665	15	36	0	20.59	18.59	0.072
64QAM	3692.5	56665	15	36	29	20.68	18.68	0.074
64QAM	3692.5	56665	15	36	30	20.80	18.80	0.076
64QAM	3692.5	56665	15	75	0	20.71	18.71	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	3560	55340	20	1	0	23.15	21.15	0.130
QPSK	3560	55340	20	1	49	23.07	21.07	0.128
QPSK	3560	55340	20	1	99	22.89	20.89	0.123
QPSK	3560	55340	20	50	0	22.16	20.16	0.104
QPSK	3560	55340	20	50	24	22.20	20.20	0.105
QPSK	3560	55340	20	50	50	21.86	19.86	0.097
QPSK	3560	55340	20	100	0	21.88	19.88	0.097
QPSK	3625	55990	20	1	0	22.52	20.52	0.113
QPSK	3625	55990	20	1	49	22.49	20.49	0.112
QPSK	3625	55990	20	1	99	22.55	20.55	0.114
QPSK	3625	55990	20	50	0	21.76	19.76	0.095
QPSK	3625	55990	20	50	24	21.59	19.59	0.091
QPSK	3625	55990	20	50	50	21.70	19.70	0.093
QPSK	3625	55990	20	100	0	21.58	19.58	0.091
QPSK	3690	56640	20	1	0	22.50	20.50	0.112
QPSK	3690	56640	20	1	49	22.35	20.35	0.108
QPSK	3690	56640	20	1	99	22.65	20.65	0.116
QPSK	3690	56640	20	50	0	21.63	19.63	0.092
QPSK	3690	56640	20	50	24	21.54	19.54	0.090
QPSK	3690	56640	20	50	50	21.62	19.62	0.092
QPSK	3690	56640	20	100	0	21.54	19.54	0.090

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	3560	55340	20	1	0	22.19	20.19	0.104
16QAM	3560	55340	20	1	49	22.18	20.18	0.104
16QAM	3560	55340	20	1	99	21.93	19.93	0.098
16QAM	3560	55340	20	50	0	21.07	19.07	0.081
16QAM	3560	55340	20	50	24	21.10	19.10	0.081
16QAM	3560	55340	20	50	50	20.96	18.96	0.079
16QAM	3560	55340	20	100	0	20.96	18.96	0.079
16QAM	3625	55990	20	1	0	21.84	19.84	0.096
16QAM	3625	55990	20	1	49	21.79	19.79	0.095
16QAM	3625	55990	20	1	99	21.85	19.85	0.097
16QAM	3625	55990	20	50	0	20.76	18.76	0.075
16QAM	3625	55990	20	50	24	20.69	18.69	0.074
16QAM	3625	55990	20	50	50	20.71	18.71	0.074
16QAM	3625	55990	20	100	0	20.67	18.67	0.074
16QAM	3690	56640	20	1	0	21.73	19.73	0.094
16QAM	3690	56640	20	1	49	21.74	19.74	0.094
16QAM	3690	56640	20	1	99	21.86	19.86	0.097
16QAM	3690	56640	20	50	0	20.63	18.63	0.073
16QAM	3690	56640	20	50	24	20.64	18.64	0.073
16QAM	3690	56640	20	50	50	20.63	18.63	0.073
16QAM	3690	56640	20	100	0	20.63	18.63	0.073
64QAM	3560	55340	20	1	0	22.07	20.07	0.102
64QAM	3560	55340	20	1	49	22.03	20.03	0.101
64QAM	3560	55340	20	1	99	21.76	19.76	0.095
64QAM	3560	55340	20	50	0	21.09	19.09	0.081
64QAM	3560	55340	20	50	24	21.13	19.13	0.082
64QAM	3560	55340	20	50	50	20.79	18.79	0.076
64QAM	3560	55340	20	100	0	20.97	18.97	0.079
64QAM	3625	55990	20	1	0	21.74	19.74	0.094
64QAM	3625	55990	20	1	49	21.74	19.74	0.094
64QAM	3625	55990	20	1	99	21.75	19.75	0.094
64QAM	3625	55990	20	50	0	20.61	18.61	0.073
64QAM	3625	55990	20	50	24	20.64	18.64	0.073
64QAM	3625	55990	20	50	50	20.75	18.75	0.075
64QAM	3625	55990	20	100	0	20.80	18.80	0.076
64QAM	3690	56640	20	1	0	21.61	19.61	0.091
64QAM	3690	56640	20	1	49	21.49	19.49	0.089
64QAM	3690	56640	20	1	99	21.61	19.61	0.091
64QAM	3690	56640	20	50	0	20.47	18.47	0.070
64QAM	3690	56640	20	50	24	20.60	18.60	0.072
64QAM	3690	56640	20	50	50	20.58	18.58	0.072
64QAM	3690	56640	20	100	0	20.66	18.66	0.073