

Fig.19



Fig.20

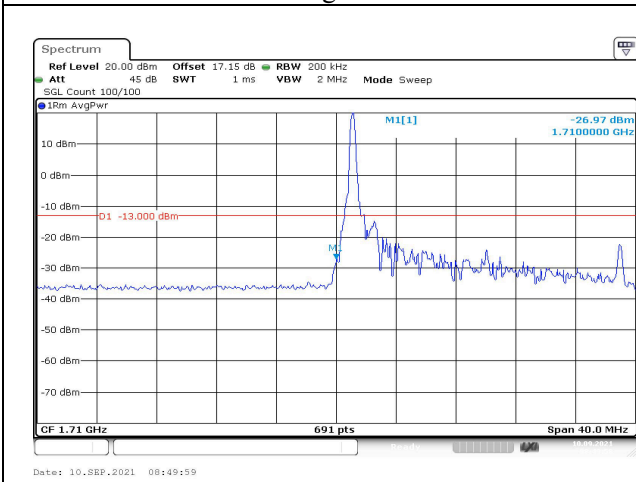


Fig.21

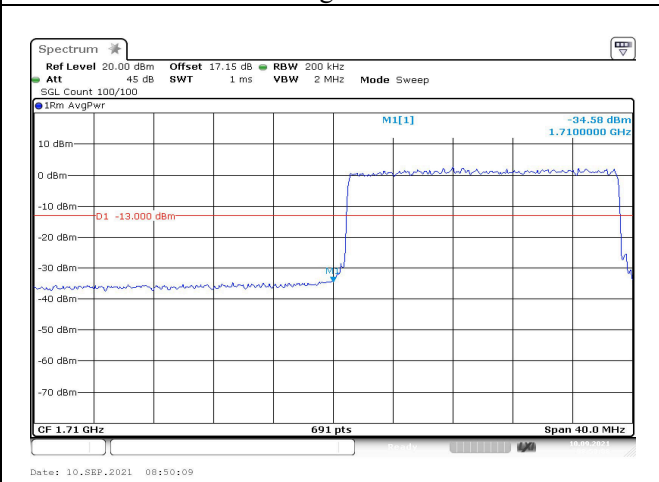


Fig.22

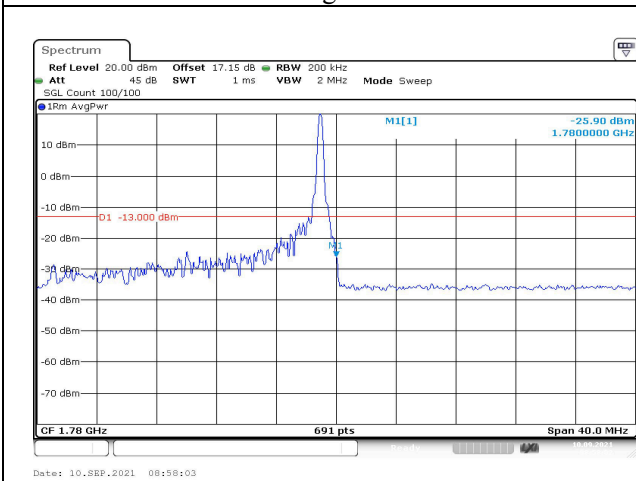


Fig.23

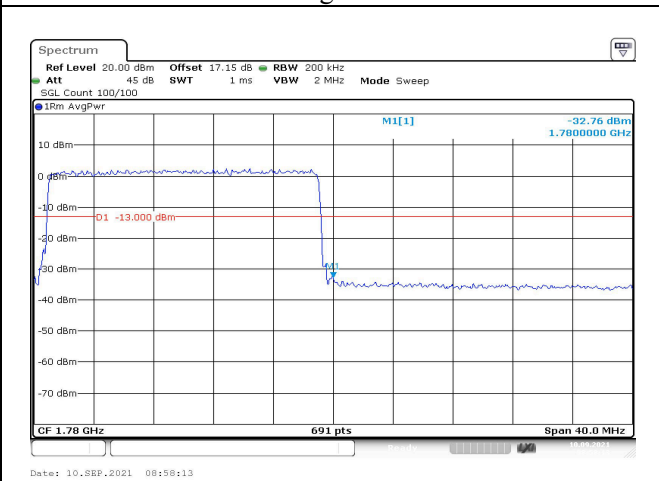


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 66 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.010	0.015	0.000	-0.002	0.006	0.017
-20	NV	-0.016	0.005	-0.007	0.009	0.006	-0.001
-10	NV	-0.011	-0.004	-0.009	-0.014	-0.007	0.007
0	NV	-0.015	0.006	0.012	0.000	-0.004	0.009
+10	NV	-0.004	-0.004	-0.017	0.004	0.008	0.001
+30	NV	-0.009	-0.006	0.002	---	---	---
+40	NV	-0.018	0.006	-0.008	-0.009	0.003	0.006
+50	NV	-0.007	0.003	-0.013	-0.006	0.001	0.008
+20	LV	-0.005	0.001	-0.005	-0.001	-0.002	0.008
+20	HV	-0.007	0.001	0.000	0.000	0.003	0.008

Temperature(°C)	Voltage	Test Result (ppm) Band 66 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.006	0.002	0.005	-0.007	0.008	0.006
-20	NV	0.005	0.548	0.004	-0.003	0.014	0.001
-10	NV	-0.007	-0.004	-0.011	0.001	0.014	0.007
0	NV	-0.002	-0.004	-0.004	0.005	0.003	-0.002
+10	NV	-0.003	-0.001	-0.008	0.001	0.005	0.008
+30	NV	-0.001	0.002	-0.005	0.000	0.007	0.005
+40	NV	0.002	0.007	-0.003	-0.003	0.012	0.015
+50	NV	-0.013	-0.002	0.007	0.001	0.008	0.008
+20	LV	-0.001	-0.005	0.005	-0.010	0.017	0.015
+20	HV	-0.011	0.008	0.006	0.001	0.004	0.008

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1710.7	131979	1.4	1	0	21.74	21.33	0.136
				1	3	21.81	21.40	0.138
				1	5	21.71	21.30	0.135
				3	0	21.81	21.40	0.138
				3	1	21.83	21.42	0.139
				3	3	21.78	21.37	0.137
	6	0		21.10	20.69	0.117		
	1755	132422		1	0	22.31	21.90	0.155
				1	3	22.28	21.87	0.154
				1	5	22.39	21.98	0.158
				3	0	21.80	21.39	0.138
				3	1	21.76	21.35	0.136
				3	3	21.72	21.31	0.135
	6	0		20.95	20.54	0.113		
	1779.3	132665		1	0	21.85	21.44	0.139
				1	3	21.87	21.46	0.140
				1	5	21.87	21.46	0.140
				3	0	22.02	21.61	0.145
				3	1	22.08	21.67	0.147
				3	3	22.11	21.70	0.148
	6	0		20.92	20.51	0.112		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1710.7	131979	1.4	1	0	22.58	22.17	0.165
				1	3	22.54	22.13	0.163
				1	5	22.56	22.15	0.164
				3	0	22.55	22.14	0.164
				3	1	22.48	22.07	0.161
				3	3	22.52	22.11	0.163
	6	0		21.56	21.15	0.130		
	1755	132422		1	0	22.71	22.30	0.170
				1	3	22.73	22.32	0.171
				1	5	22.76	22.35	0.172
				3	0	22.66	22.25	0.168
				3	1	22.63	22.22	0.167
				3	3	22.65	22.24	0.167
	6	0		21.75	21.34	0.136		
	1779.3	132665		1	0	22.58	22.17	0.165
				1	3	22.5	22.09	0.162
				1	5	22.44	22.03	0.160
				3	0	22.74	22.33	0.171
				3	1	22.65	22.24	0.167
				3	3	22.65	22.24	0.167
	6	0		21.69	21.28	0.134		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1711.5	131987	3	1	0	22.72	22.31	0.170
				1	8	22.4	21.99	0.158
				1	14	22.61	22.20	0.166
				8	0	20.98	20.57	0.114
				8	4	20.85	20.44	0.111
				8	7	20.85	20.44	0.111
				15	0	20.8	20.39	0.109
	1755	132422		1	0	22.69	22.28	0.169
				1	8	22.74	22.33	0.171
				1	14	22.78	22.37	0.173
				8	0	20.85	20.44	0.111
				8	4	20.87	20.46	0.111
				8	7	20.85	20.44	0.111
				15	0	20.91	20.50	0.112
	1778.5	132657		1	0	21.83	21.42	0.139
				1	8	21.87	21.46	0.140
				1	14	21.84	21.43	0.139
				8	0	20.86	20.45	0.111
				8	4	20.86	20.45	0.111
				8	7	20.88	20.47	0.111
				15	0	20.86	20.45	0.111

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	131987	3	1	0	22.54	22.13	0.163
				1	8	22.48	22.07	0.161
				1	14	22.55	22.14	0.164
				8	0	21.56	21.15	0.130
				8	4	21.58	21.17	0.131
				8	7	21.54	21.13	0.130
				15	0	21.51	21.10	0.129
	1755	132422		1	0	22.8	22.39	0.173
				1	8	22.75	22.34	0.171
				1	14	22.85	22.44	0.175
				8	0	21.64	21.23	0.133
				8	4	21.71	21.30	0.135
				8	7	21.71	21.30	0.135
				15	0	21.66	21.25	0.133
	1778.5	132657		1	0	22.58	22.17	0.165
				1	8	22.63	22.22	0.167
				1	14	22.59	22.18	0.165
				8	0	21.74	21.33	0.136
				8	4	21.71	21.30	0.135
				8	7	21.62	21.21	0.132
				15	0	21.67	21.26	0.134

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1712.5	131997	5	1	0	21.29	20.88	0.122
				1	12	21.06	20.65	0.116
				1	24	21.25	20.84	0.121
				12	0	20.64	20.23	0.105
				12	7	20.63	20.22	0.105
				12	13	20.62	20.21	0.105
				25	0	20.67	20.26	0.106
	1755	132422		1	0	21.41	21.00	0.126
				1	12	21.41	21.00	0.126
				1	24	21.47	21.06	0.128
				12	0	20.9	20.49	0.112
				12	7	20.84	20.43	0.110
				12	13	20.85	20.44	0.111
				25	0	21.02	20.61	0.115
	1777.5	132647		1	0	21.32	20.91	0.123
				1	12	21.3	20.89	0.123
				1	24	21.32	20.91	0.123
				12	0	20.7	20.29	0.107
				12	7	20.72	20.31	0.107
				12	13	20.74	20.33	0.108
				25	0	20.9	20.49	0.112

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	131997	5	1	0	22.49	22.08	0.161
				1	12	22.45	22.04	0.160
				1	24	22.39	21.98	0.158
				12	0	21.66	21.25	0.133
				12	7	21.54	21.13	0.130
				12	13	21.58	21.17	0.131
				25	0	21.53	21.12	0.129
	1755	132422		1	0	22.65	22.24	0.167
				1	12	22.58	22.17	0.165
				1	24	22.71	22.30	0.170
				12	0	21.74	21.33	0.136
				12	7	21.69	21.28	0.134
				12	13	21.81	21.40	0.138
				25	0	21.72	21.31	0.135
	1777.5	132647		1	0	22.8	22.39	0.173
				1	12	22.81	22.40	0.174
				1	24	22.73	22.32	0.171
				12	0	21.68	21.27	0.134
				12	7	21.64	21.23	0.133
				12	13	21.71	21.30	0.135
				25	0	21.66	21.25	0.133

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1715	132022	10	1	0	21.74	21.33	0.136
				1	25	21.56	21.15	0.130
				1	49	21.71	21.30	0.135
				25	0	20.65	20.24	0.106
				25	12	20.68	20.27	0.106
				25	25	20.65	20.24	0.106
				50	0	20.69	20.28	0.107
	1755	132422		1	0	22.54	22.13	0.163
				1	25	22.56	22.15	0.164
				1	49	22.66	22.25	0.168
				25	0	20.92	20.51	0.112
				25	12	20.88	20.47	0.111
				25	25	20.98	20.57	0.114
				50	0	20.82	20.41	0.110
	1775	132622		1	0	21.98	21.57	0.144
				1	25	21.77	21.36	0.137
				1	49	21.91	21.50	0.141
				25	0	20.88	20.47	0.111
				25	12	20.81	20.40	0.110
				25	25	20.84	20.43	0.110
				50	0	20.92	20.51	0.112

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	132022	10	1	0	22.59	22.18	0.165
				1	25	22.49	22.08	0.161
				1	49	22.53	22.12	0.163
				25	0	21.64	21.23	0.133
				25	12	21.47	21.06	0.128
				25	25	21.51	21.10	0.129
	1755	132422		50	0	21.47	21.06	0.128
				1	0	22.77	22.36	0.172
				1	25	22.8	22.39	0.173
				1	49	22.85	22.44	0.175
				25	0	21.65	21.24	0.133
				25	12	21.64	21.23	0.133
	1775	132622		25	25	21.67	21.26	0.134
				50	0	21.74	21.33	0.136
				1	0	22.79	22.38	0.173
				1	25	22.75	22.34	0.171
				1	49	22.7	22.29	0.169
				25	0	21.83	21.42	0.139
				25	12	21.66	21.25	0.133
				25	25	21.81	21.40	0.138
				50	0	21.83	21.42	0.139

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1717.5	132047	15	1	0	22.17	21.76	0.150
				1	37	22.14	21.73	0.149
				1	74	21.98	21.57	0.144
				36	0	21.07	20.66	0.116
				36	29	21.07	20.66	0.116
				36	30	21.05	20.64	0.116
				75	0	21.11	20.70	0.117
	1755	132422		1	0	22.13	21.72	0.149
				1	37	22.09	21.68	0.147
				1	74	22.18	21.77	0.150
				36	0	21.18	20.77	0.119
				36	29	21.3	20.89	0.123
				36	30	21.34	20.93	0.124
				75	0	21.16	20.75	0.119
	1772.5	132597		1	0	22.08	21.67	0.147
				1	37	21.99	21.58	0.144
				1	74	22.11	21.70	0.148
				36	0	21.04	20.63	0.116
				36	29	21.12	20.71	0.118
				36	30	21.15	20.74	0.119
				75	0	21.05	20.64	0.116

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	132047	15	1	0	22.92	22.51	0.178
				1	37	22.93	22.52	0.179
				1	74	22.78	22.37	0.173
				36	0	22.04	21.63	0.146
				36	29	21.8	21.39	0.138
				36	30	21.8	21.39	0.138
				75	0	21.73	21.32	0.136
	1755	132422		1	0	22.91	22.50	0.178
				1	37	23.02	22.61	0.182
				1	74	23.02	22.61	0.182
				36	0	21.85	21.44	0.139
				36	29	21.93	21.52	0.142
				36	30	21.93	21.52	0.142
				75	0	22.04	21.63	0.146
	1772.5	132597		1	0	22.97	22.56	0.180
				1	37	22.82	22.41	0.174
				1	74	22.9	22.49	0.177
				36	0	22.02	21.61	0.145
				36	29	22.02	21.61	0.145
				36	30	21.99	21.58	0.144
				75	0	22.01	21.60	0.145

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1720	132072	20	1	0	21.74	21.33	0.136
				1	49	21.49	21.08	0.128
				1	99	21.39	20.98	0.125
				50	0	20.77	20.36	0.109
				50	24	20.69	20.28	0.107
				50	50	20.73	20.32	0.108
	100	0		20.78	20.37	0.109		
	1	0		21.99	21.58	0.144		
	1	49		22.09	21.68	0.147		
	1	99		22.17	21.76	0.150		
	50	0		20.92	20.51	0.112		
	50	24		20.89	20.48	0.112		
	50	50		20.94	20.53	0.113		
	100	0		20.96	20.55	0.114		
	1	0		22.52	22.11	0.163		
	1	49		22.33	21.92	0.156		
	1	99		22.34	21.93	0.156		
	50	0		20.99	20.58	0.114		
	50	24		21.03	20.62	0.115		
	50	50		20.99	20.58	0.114		
	100	0		20.78	20.37	0.109		
1770	132572							

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	132072	20	1	0	22.49	22.08	0.161
				1	49	22.34	21.93	0.156
				1	99	22.53	22.12	0.163
				50	0	21.58	21.17	0.131
				50	24	21.64	21.23	0.133
				50	50	21.57	21.16	0.131
	100	0		21.67	21.26	0.134		
	1	0		22.67	22.26	0.168		
	1	49		22.88	22.47	0.177		
	1	99		23.14	22.73	0.187		
	50	0		21.53	21.12	0.129		
	50	24		21.66	21.25	0.133		
	50	50		21.87	21.46	0.140		
	100	0		21.8	21.39	0.138		
	1	0		22.72	22.31	0.170		
	1	49		22.7	22.29	0.169		
	1	99		22.62	22.21	0.166		
	50	0		21.84	21.43	0.139		
	50	24		21.76	21.35	0.136		
	50	50		21.71	21.30	0.135		
	100	0		21.75	21.34	0.136		
1770	132572							