5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
66	1720	132072	20	1	0	Fig.1
	1755	132422		1	0	Fig.2
	1770	132572		1	0	Fig.3

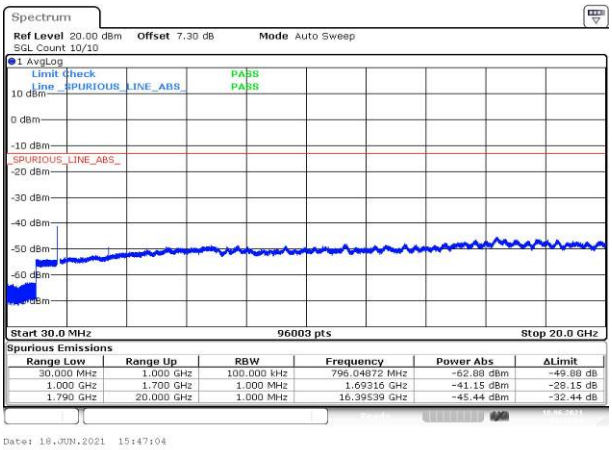

Fig.1

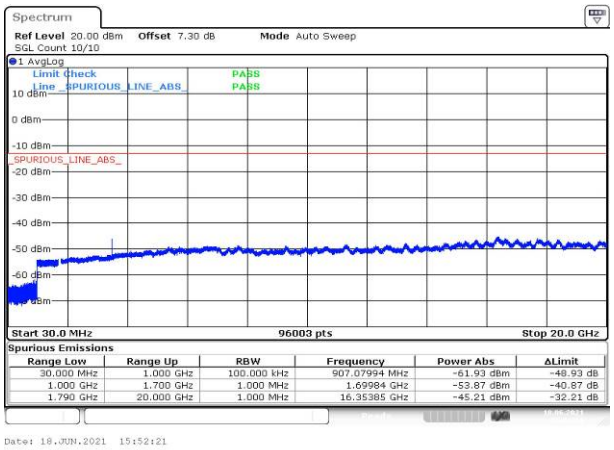

Fig.2

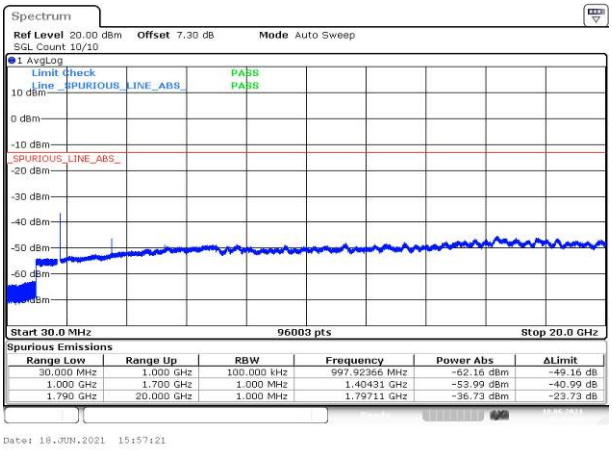

Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
66	1710.7	131979	1.4	1	0	Fig.1
				6	0	Fig.2
	1779.3	132665		1	5	Fig.3
				6	0	Fig.4
	1711.5	131987	3	1	0	Fig.5
				15	0	Fig.6
	1778.5	132657		1	14	Fig.7
				15	0	Fig.8
	1712.5	131997	5	1	0	Fig.9
				25	0	Fig.10
	1777.5	132647		1	24	Fig.11
				25	0	Fig.12
	1715	132022	10	1	0	Fig.13
				50	0	Fig.14
	1775	132622		1	49	Fig.15
				50	0	Fig.16
	1717.5	132047	15	1	0	Fig.17
				75	0	Fig.18
	1772.5	132597		1	74	Fig.19
				75	0	Fig.20
	1720	132072	20	1	0	Fig.21
				100	0	Fig.22
	1770	132572		1	99	Fig.23
				100	0	Fig.24

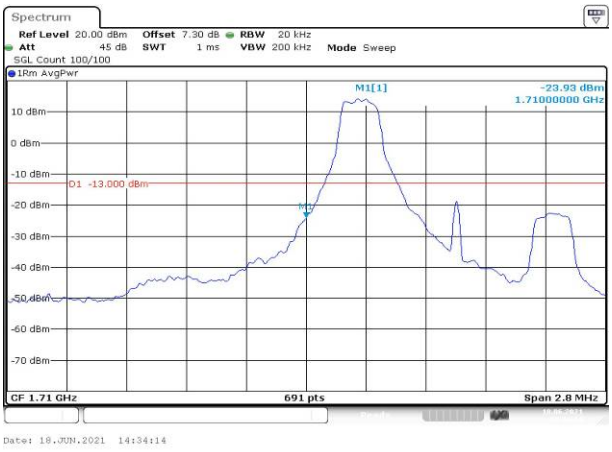

Fig.1

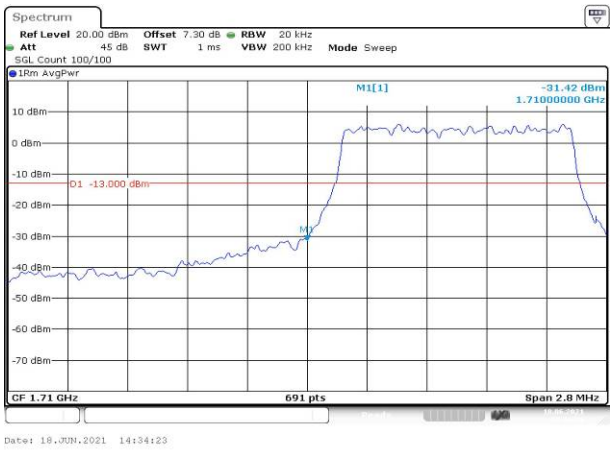

Fig.2

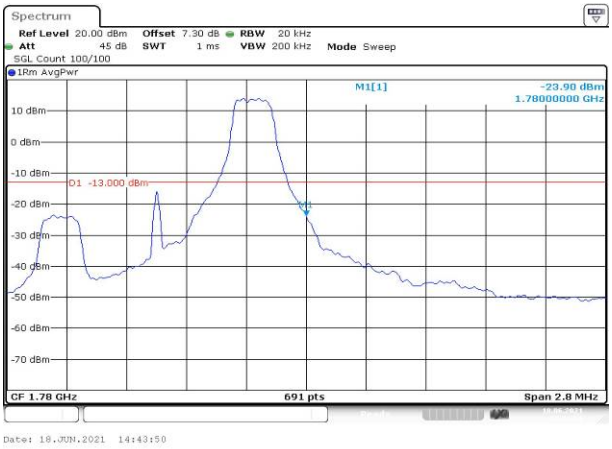

Fig.3

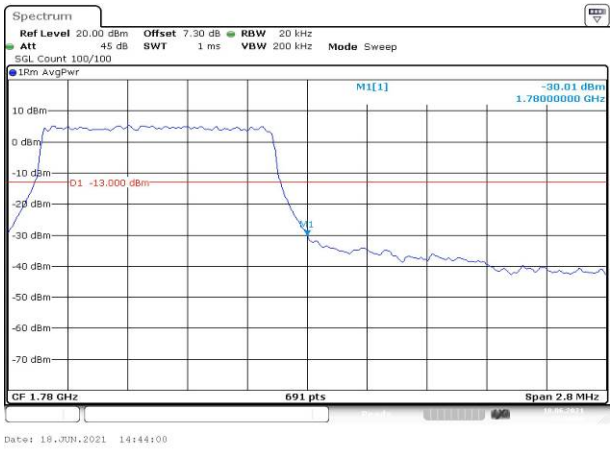

Fig.4

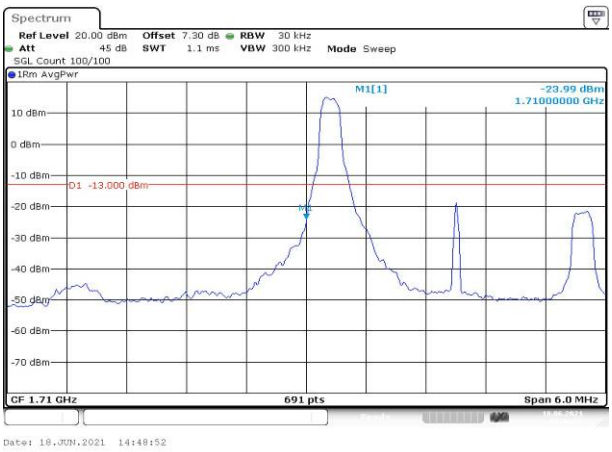

Fig.5

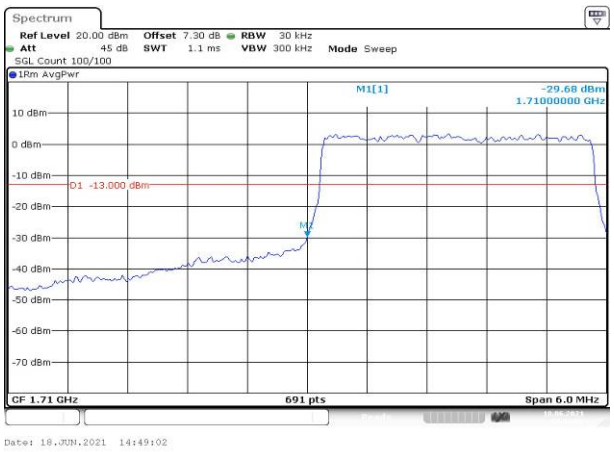

Fig.6

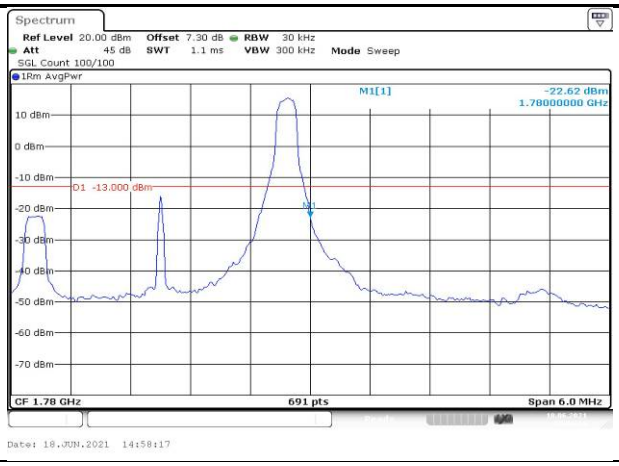

Fig.7

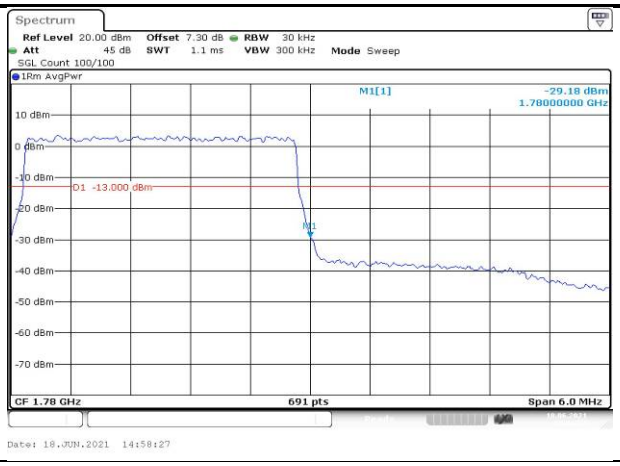

Fig.8

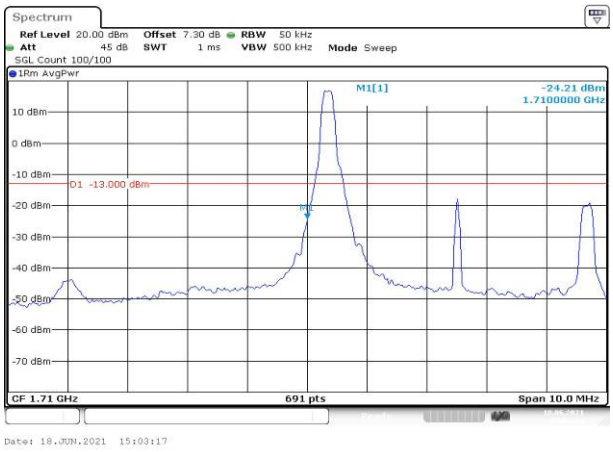

Fig.9

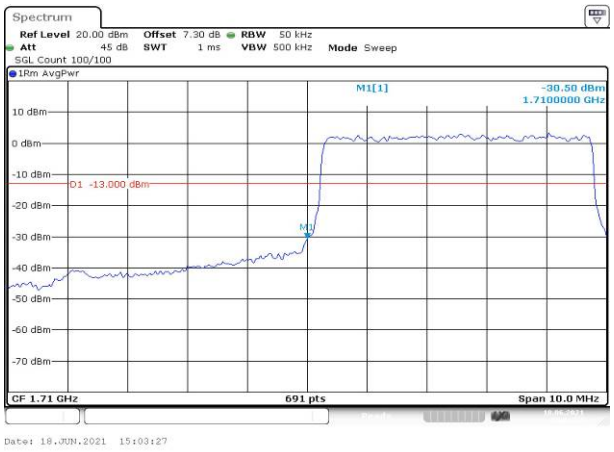

Fig.10

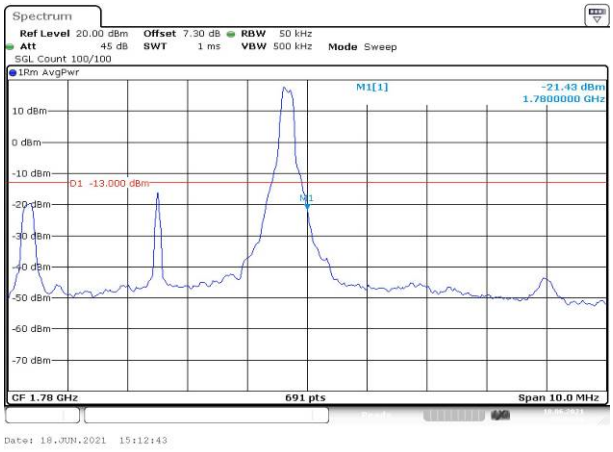

Fig.11

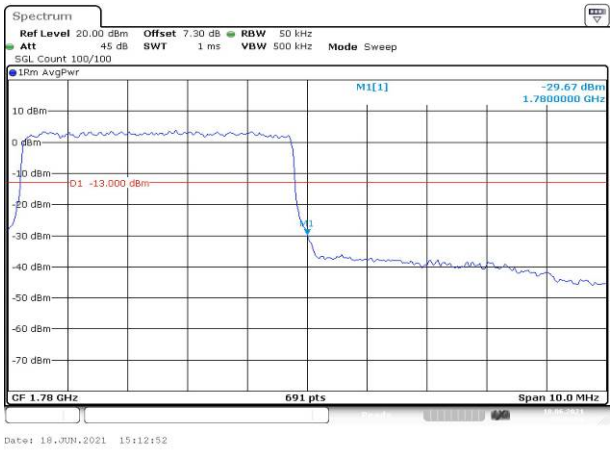

Fig.12

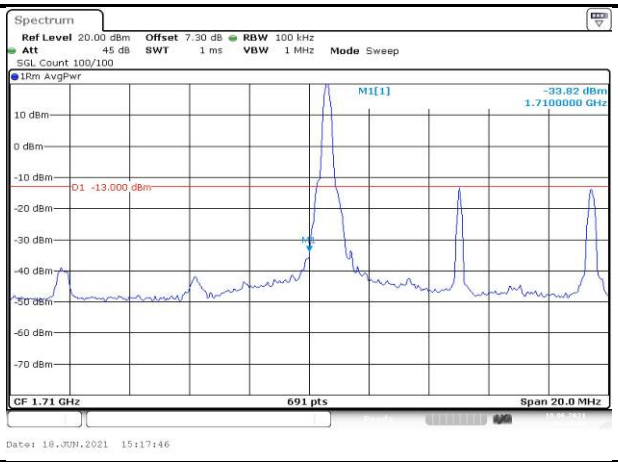

Fig.13

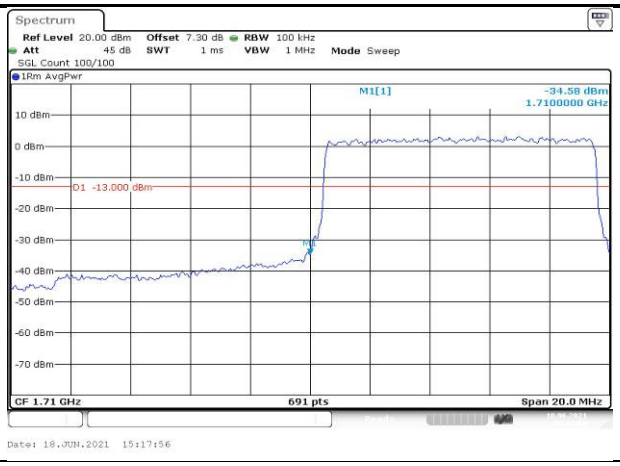

Fig.14

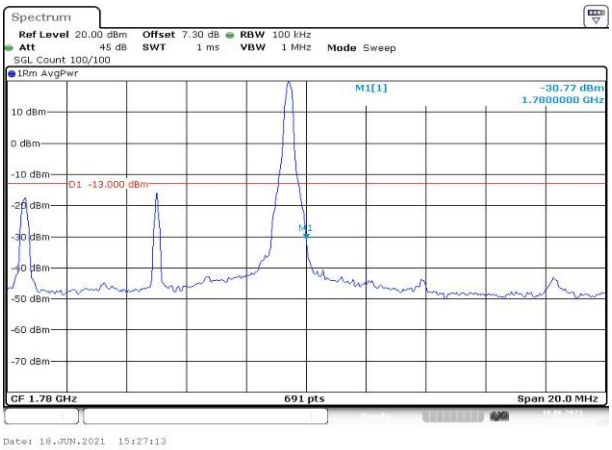

Fig.15

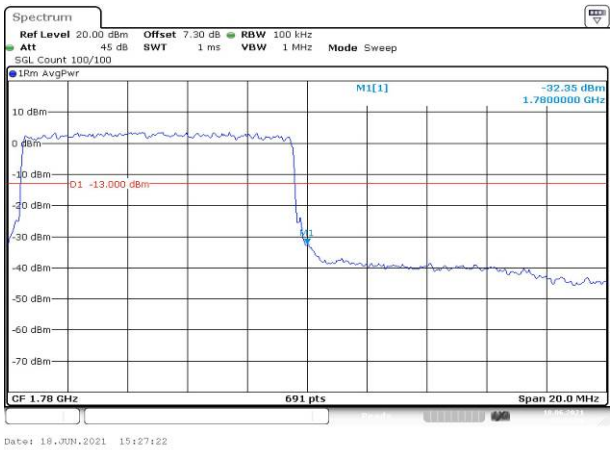

Fig.16

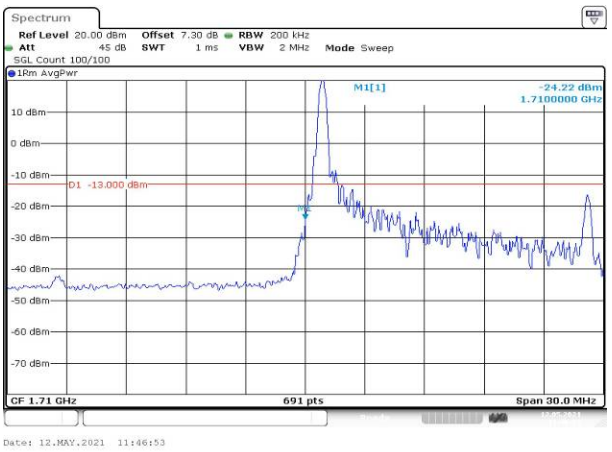

Fig.17

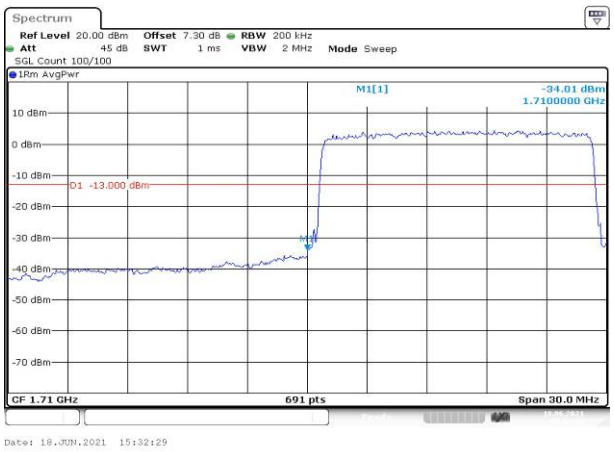

Fig.18

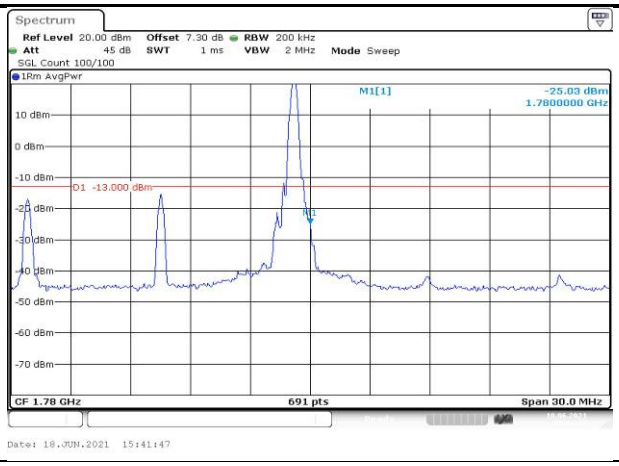

Fig.19

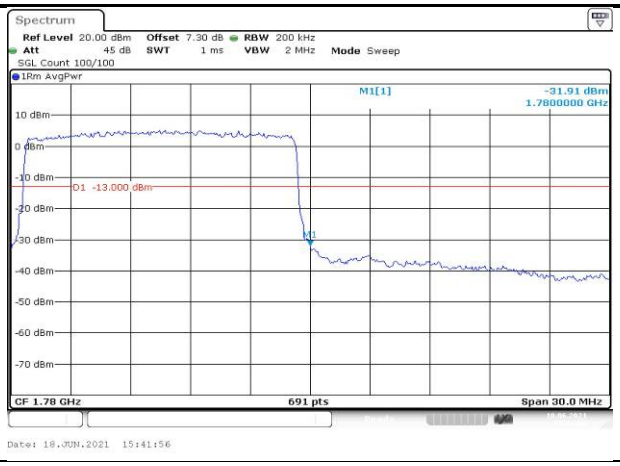

Fig.20

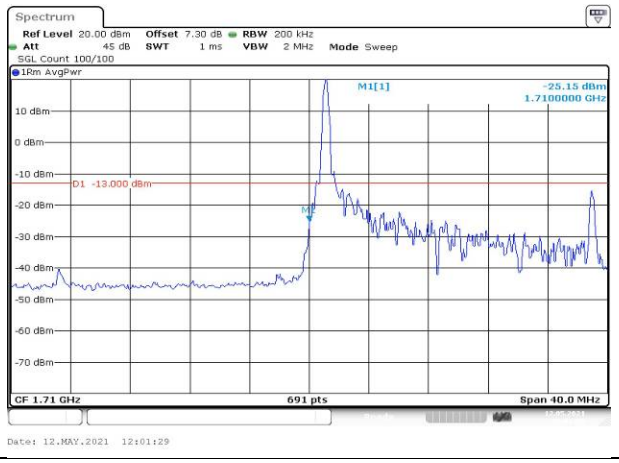

Fig.21

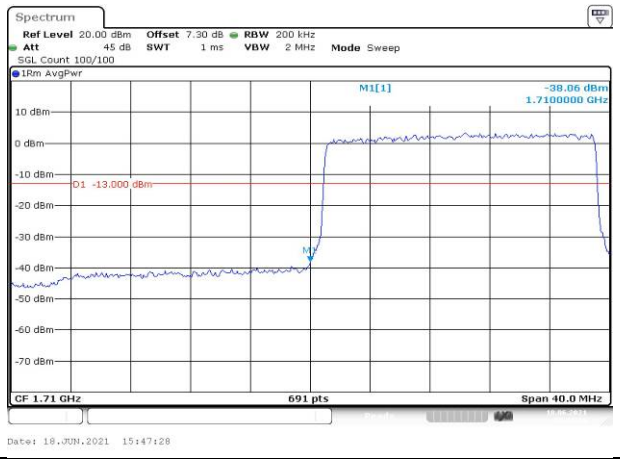

Fig.22

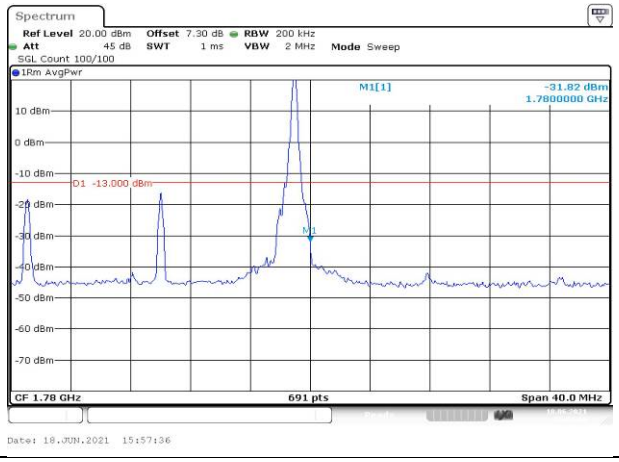

Fig.23

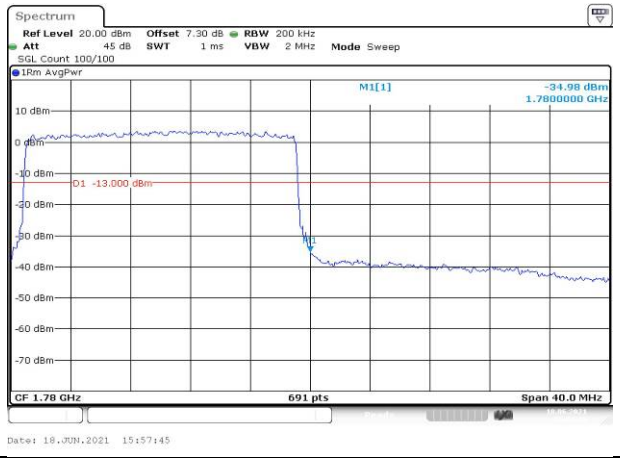

Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band66 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.003	0.002	0.002	-0.002	0.001	0.001
0	NV	0.001	0.001	0.002	-0.002	0.002	0.002
+10	NV	0.009	-0.001	0.002	-0.002	0.001	0.001
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.007	0.001	0.001	-0.001	0.001	0.002
+40	NV	0.009	0.001	0.000	-0.002	0.001	0.002
+50	NV	0.003	0.001	0.002	-0.001	0.002	0.001
+55	NV	0.008	0.001	0.002	-0.002	0.001	0.001
+20	LV	0.010	0.002	0.002	-0.001	0.001	0.002
+20	HV	0.008	0.001	0.003	-0.002	0.001	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band66 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.007	0.001	0.002	-0.001	0.002	0.002
0	NV	0.003	0.002	0.001	-0.002	0.002	0.001
+10	NV	-0.005	0.001	0.002	-0.001	0.001	0.001
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.005	0.001	0.002	-0.002	0.002	0.000
+40	NV	0.000	0.002	0.001	-0.002	0.002	0.001
+50	NV	-0.005	0.002	0.002	-0.002	0.002	0.003
+55	NV	0.006	0.004	0.001	-0.002	0.003	0.002
+20	LV	0.006	0.002	0.001	-0.001	0.001	0.003
+20	HV	0.009	0.002	0.002	0.000	0.001	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	1710.7	131979	1.4	1	0	23.49	22.39	0.173
				1	3	23.56	22.46	0.176
				1	5	23.54	22.44	0.175
				3	0	23.29	22.19	0.166
				3	1	23.39	22.29	0.169
				3	3	23.38	22.28	0.169
				6	0	22.30	21.20	0.132
	1755	132422		1	0	23.41	22.31	0.170
				1	3	23.50	22.40	0.174
				1	5	23.57	22.47	0.177
				3	0	23.58	22.48	0.177
				3	1	23.75	22.65	0.184
				3	3	23.75	22.65	0.184
				6	0	22.61	21.51	0.142
	1779.3	132665		1	0	23.41	22.31	0.170
				1	3	23.38	22.28	0.169
				1	5	23.43	22.33	0.171
				3	0	23.56	22.46	0.176
				3	1	23.69	22.59	0.182
				3	3	23.68	22.58	0.181
				6	0	22.60	21.50	0.141
16QAM	1710.7	131979		1	0	22.53	21.43	0.139
				1	3	22.48	21.38	0.137
				1	5	22.48	21.38	0.137
				3	0	22.35	21.25	0.133
				3	1	22.51	21.41	0.138
				3	3	22.51	21.41	0.138
				6	0	21.18	20.08	0.102
	1755	132422		1	0	22.73	21.63	0.146
				1	3	22.78	21.68	0.147
				1	5	22.79	21.69	0.148
				3	0	22.61	21.51	0.142
				3	1	22.66	21.56	0.143
				3	3	22.65	21.55	0.143
				6	0	21.54	20.44	0.111
	1779.3	132665		1	0	22.40	21.30	0.135
				1	3	22.47	21.37	0.137
				1	5	22.47	21.37	0.137
				3	0	21.99	20.89	0.123
				3	1	22.01	20.91	0.123
				3	3	22.01	20.91	0.123
				6	0	21.29	20.19	0.104

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1710.7	131979	1.4	1	0	21.41	20.31	0.107
				1	3	21.41	20.31	0.107
				1	5	21.41	20.31	0.107
				3	0	21.60	20.50	0.112
				3	1	21.49	20.39	0.109
				3	3	21.48	20.38	0.109
				6	0	21.48	20.38	0.109
	1755	132422		1	0	21.54	20.44	0.111
				1	3	21.53	20.43	0.110
				1	5	21.54	20.44	0.111
				3	0	21.73	20.63	0.116
				3	1	21.53	20.43	0.110
				3	3	21.41	20.31	0.107
				6	0	21.55	20.45	0.111
	1779.3	132665		1	0	21.29	20.19	0.104
				1	3	21.29	20.19	0.104
				1	5	21.29	20.19	0.104
				3	0	21.29	20.19	0.104
				3	1	21.29	20.19	0.104
				3	3	21.29	20.19	0.104
				6	0	21.29	20.19	0.104

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	131987	3	1	0	23.25	22.15	0.164
				1	8	23.13	22.03	0.160
				1	14	23.22	22.12	0.163
				8	0	22.24	21.14	0.130
				8	4	22.32	21.22	0.132
				8	7	22.32	21.22	0.132
				15	0	22.27	21.17	0.131
	1755	132422		1	0	23.56	22.46	0.176
				1	8	23.62	22.52	0.179
				1	14	23.69	22.59	0.182
				8	0	22.62	21.52	0.142
				8	4	22.75	21.65	0.146
				8	7	22.75	21.65	0.146
				15	0	22.57	21.47	0.140
	1778.5	132657		1	0	23.63	22.53	0.179
				1	8	23.62	22.52	0.179
				1	14	23.70	22.60	0.182
				8	0	22.62	21.52	0.142
				8	4	22.60	21.50	0.141
				8	7	22.60	21.50	0.141
				15	0	22.57	21.47	0.140
16QAM	1711.5	131987		1	0	22.47	21.37	0.137
				1	8	22.30	21.20	0.132
				1	14	22.29	21.19	0.132
				8	0	21.23	20.13	0.103
				8	4	21.29	20.19	0.104
				8	7	21.29	20.19	0.104
				15	0	21.38	20.28	0.107
	1755	132422		1	0	22.80	21.70	0.148
				1	8	22.89	21.79	0.151
				1	14	22.88	21.78	0.151
				8	0	21.49	20.39	0.109
				8	4	21.66	20.56	0.114
				8	7	21.66	20.56	0.114
				15	0	21.71	20.61	0.115
	1778.5	132657		1	0	22.80	21.70	0.148
				1	8	22.84	21.74	0.149
				1	14	22.83	21.73	0.149
				8	0	21.50	20.40	0.110
				8	4	21.57	20.47	0.111
				8	7	21.57	20.47	0.111
				15	0	21.64	20.54	0.113

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1711.5	131987	3	1	0	21.39	20.29	0.107
				1	8	21.40	20.30	0.107
				1	14	21.18	20.08	0.102
				8	0	21.50	20.40	0.110
				8	4	21.28	20.18	0.104
				8	7	21.18	20.08	0.102
				15	0	21.28	20.18	0.104
	1755	132422		1	0	21.71	20.61	0.115
				1	8	21.63	20.53	0.113
				1	14	21.72	20.62	0.115
				8	0	21.60	20.50	0.112
				8	4	21.64	20.54	0.113
				8	7	21.72	20.62	0.115
				15	0	21.71	20.61	0.115
	1778.5	132657		1	0	21.63	20.53	0.113
				1	8	21.63	20.53	0.113
				1	14	21.63	20.53	0.113
				8	0	21.63	20.53	0.113
				8	4	21.63	20.53	0.113
				8	7	21.63	20.53	0.113
				15	0	21.63	20.53	0.113

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	131997	5	1	0	22.99	21.89	0.155
				1	12	22.83	21.73	0.149
				1	24	22.92	21.82	0.152
				12	0	22.22	21.12	0.129
				12	7	22.12	21.02	0.126
				12	13	22.13	21.03	0.127
				25	0	22.18	21.08	0.128
	1755	132422		1	0	23.34	22.24	0.167
				1	12	23.57	22.47	0.177
				1	24	23.55	22.45	0.176
				12	0	22.47	21.37	0.137
				12	7	22.68	21.58	0.144
				12	13	22.69	21.59	0.144
				25	0	22.71	21.61	0.145
	1777.5	132647		1	0	23.46	22.36	0.172
				1	12	23.48	22.38	0.173
				1	24	23.46	22.36	0.172
				12	0	22.62	21.52	0.142
				12	7	22.61	21.51	0.142
				12	13	22.53	21.43	0.139
				25	0	22.57	21.47	0.140
16QAM	1712.5	131997		1	0	21.93	20.83	0.121
				1	12	21.62	20.52	0.113
				1	24	21.61	20.51	0.112
				12	0	21.02	19.92	0.098
				12	7	21.05	19.95	0.099
				12	13	21.05	19.95	0.099
				25	0	21.26	20.16	0.104
	1755	132422		1	0	22.09	20.99	0.126
				1	12	22.28	21.18	0.131
				1	24	22.28	21.18	0.131
				12	0	21.44	20.34	0.108
				12	7	21.38	20.28	0.107
				12	13	21.38	20.28	0.107
				25	0	21.47	20.37	0.109
	1777.5	132647		1	0	22.66	21.56	0.143
				1	12	22.63	21.53	0.142
				1	24	22.63	21.53	0.142
				12	0	21.49	20.39	0.109
				12	7	21.43	20.33	0.108
				12	13	21.43	20.33	0.108
				25	0	21.44	20.34	0.108

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	131997	5	1	0	21.26	20.16	0.104
				1	12	21.27	20.17	0.104
				1	24	21.28	20.18	0.104
				12	0	21.28	20.18	0.104
				12	7	21.28	20.18	0.104
				12	13	21.29	20.19	0.104
				25	0	21.28	20.18	0.104
	1755	132422		1	0	21.47	20.37	0.109
				1	12	21.47	20.37	0.109
				1	24	21.56	20.46	0.111
				12	0	21.56	20.46	0.111
				12	7	21.47	20.37	0.109
				12	13	21.48	20.38	0.109
				25	0	21.57	20.47	0.111
	1777.5	132647		1	0	21.44	20.34	0.108
				1	12	21.44	20.34	0.108
				1	24	21.53	20.43	0.110
				12	0	21.35	20.25	0.106
				12	7	21.44	20.34	0.108
				12	13	21.35	20.25	0.106
				25	0	21.44	20.34	0.108

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	132022	10	1	0	23.65	22.55	0.180
				1	25	22.98	21.88	0.154
				1	49	22.97	21.87	0.154
				25	0	22.29	21.19	0.132
				25	12	22.11	21.01	0.126
				25	25	22.12	21.02	0.126
				50	0	22.10	21.00	0.126
	1755	132422		1	0	23.38	22.28	0.169
				1	25	23.60	22.50	0.178
				1	49	23.59	22.49	0.177
				25	0	22.48	21.38	0.137
				25	12	22.73	21.63	0.146
				25	25	22.73	21.63	0.146
				50	0	22.55	21.45	0.140
	1775	132622		1	0	23.72	22.62	0.183
				1	25	23.63	22.53	0.179
				1	49	23.62	22.52	0.179
				25	0	22.62	21.52	0.142
				25	12	22.57	21.47	0.140
				25	25	22.57	21.47	0.140
				50	0	22.56	21.46	0.140
16QAM	1715	132022		1	0	22.76	21.66	0.147
				1	25	22.02	20.92	0.124
				1	49	21.92	20.82	0.121
				25	0	21.37	20.27	0.106
				25	12	21.18	20.08	0.102
				25	25	21.18	20.08	0.102
				50	0	21.10	20.00	0.100
	1755	132422		1	0	22.20	21.10	0.129
				1	25	22.54	21.44	0.139
				1	49	22.54	21.44	0.139
				25	0	21.67	20.57	0.114
				25	12	21.71	20.61	0.115
				25	25	21.71	20.61	0.115
				50	0	21.47	20.37	0.109
	1775	132622		1	0	22.79	21.69	0.148
				1	25	22.92	21.82	0.152
				1	49	22.92	21.82	0.152
				25	0	21.69	20.59	0.115
				25	12	21.55	20.45	0.111
				25	25	21.55	20.45	0.111
				50	0	21.57	20.47	0.111

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1715	132022	10	1	0	21.10	20.00	0.100
				1	25	21.09	19.99	0.100
				1	49	21.10	20.00	0.100
				25	0	21.10	20.00	0.100
				25	12	21.10	20.00	0.100
				25	25	21.10	20.00	0.100
				50	0	20.99	19.89	0.097
	1755	132422		1	0	21.47	20.37	0.109
				1	25	21.47	20.37	0.109
				1	49	21.47	20.37	0.109
				25	0	21.47	20.37	0.109
				25	12	21.39	20.29	0.107
				25	25	21.39	20.29	0.107
				50	0	21.38	20.28	0.107
	1775	132622		1	0	21.57	20.47	0.111
				1	25	21.58	20.48	0.112
				1	49	21.58	20.48	0.112
				25	0	21.39	20.29	0.107
				25	12	21.40	20.30	0.107
				25	25	21.40	20.30	0.107
				50	0	21.40	20.30	0.107

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1717.5	132047	15	1	0	23.43	22.33	0.171
				1	37	23.12	22.02	0.159
				1	74	23.11	22.01	0.159
				36	0	22.23	21.13	0.130
				36	29	22.18	21.08	0.128
				36	30	22.19	21.09	0.129
				75	0	22.20	21.10	0.129
	1755	132422		1	0	23.24	22.14	0.164
				1	37	23.29	22.19	0.166
				1	74	24.01	22.91	0.195
				36	0	22.41	21.31	0.135
				36	29	22.68	21.58	0.144
				36	30	22.67	21.57	0.144
				75	0	22.56	21.46	0.140
	1772.5	132597		1	0	23.54	22.44	0.175
				1	37	23.46	22.36	0.172
				1	74	23.45	22.35	0.172
				36	0	22.71	21.61	0.145
				36	29	22.61	21.51	0.142
				36	30	22.61	21.51	0.142
				75	0	22.56	21.46	0.140
16QAM	1717.5	132047		1	0	21.76	20.66	0.116
				1	37	21.39	20.29	0.107
				1	74	21.39	20.29	0.107
				36	0	21.17	20.07	0.102
				36	29	21.12	20.02	0.100
				36	30	21.13	20.03	0.101
				75	0	21.35	20.25	0.106
	1755	132422		1	0	22.47	21.37	0.137
				1	37	22.03	20.93	0.124
				1	74	22.03	20.93	0.124
				36	0	21.39	20.29	0.107
				36	29	21.54	20.44	0.111
				36	30	21.54	20.44	0.111
				75	0	21.45	20.35	0.108
	1772.5	132597		1	0	22.78	21.68	0.147
				1	37	22.85	21.75	0.150
				1	74	22.86	21.76	0.150
				36	0	21.57	20.47	0.111
				36	29	21.69	20.59	0.115
				36	30	21.69	20.59	0.115
				75	0	21.55	20.45	0.111

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1717.5	132047	15	1	0	21.35	20.25	0.106
				1	37	21.35	20.25	0.106
				1	74	21.34	20.24	0.106
				36	0	21.34	20.24	0.106
				36	29	21.34	20.24	0.106
				36	30	21.35	20.25	0.106
				75	0	21.35	20.25	0.106
	1755	132422		1	0	21.45	20.35	0.108
				1	37	21.45	20.35	0.108
				1	74	21.44	20.34	0.108
				36	0	21.43	20.33	0.108
				36	29	21.42	20.32	0.108
				36	30	21.42	20.32	0.108
				75	0	21.42	20.32	0.108
	1772.5	132597		1	0	21.55	20.45	0.111
				1	37	21.54	20.44	0.111
				1	74	21.53	20.43	0.110
				36	0	21.53	20.43	0.110
				36	29	21.54	20.44	0.111
				36	30	21.54	20.44	0.111
				75	0	21.54	20.44	0.111

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	132072	20	1	0	23.16	22.06	0.161
				1	49	23.01	21.91	0.155
				1	99	23.09	21.99	0.158
				50	0	22.06	20.96	0.125
				50	24	22.14	21.04	0.127
				50	50	22.14	21.04	0.127
				100	0	22.15	21.05	0.127
	1755	132422		1	0	23.46	22.36	0.172
				1	49	23.68	22.58	0.181
				1	99	23.42	22.32	0.171
				50	0	22.41	21.31	0.135
				50	24	22.64	21.54	0.143
				50	50	22.75	21.65	0.146
				100	0	22.56	21.46	0.140
	1770	132572		1	0	24.08	22.98	0.199
				1	49	23.35	22.25	0.168
				1	99	23.34	22.24	0.167
				50	0	22.75	21.65	0.146
				50	24	22.62	21.52	0.142
				50	50	22.62	21.52	0.142
				100	0	22.64	21.54	0.143
16QAM	1720	132072		1	0	23.05	21.95	0.157
				1	49	22.99	21.89	0.155
				1	99	22.99	21.89	0.155
				50	0	21.22	20.12	0.103
				50	24	21.19	20.09	0.102
				50	50	21.19	20.09	0.102
				100	0	21.20	20.10	0.102
	1755	132422		1	0	23.51	22.41	0.174
				1	49	23.89	22.79	0.190
				1	99	23.97	22.87	0.194
				50	0	21.47	20.37	0.109
				50	24	21.62	20.52	0.113
				50	50	21.62	20.52	0.113
				100	0	21.65	20.55	0.114
	1770	132572		1	0	23.60	22.50	0.178
				1	49	23.28	22.18	0.165
				1	99	23.27	22.17	0.165
				50	0	21.57	20.47	0.111
				50	24	21.60	20.50	0.112
				50	50	21.60	20.50	0.112
				100	0	21.62	20.52	0.113

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1720	132072	20	1	0	21.20	20.10	0.102
				1	49	21.20	20.10	0.102
				1	99	21.19	20.09	0.102
				50	0	21.19	20.09	0.102
				50	24	21.18	20.08	0.102
				50	50	21.18	20.08	0.102
				100	0	21.19	20.09	0.102
	1755	132422		1	0	21.66	20.56	0.114
				1	49	21.66	20.56	0.114
				1	99	21.66	20.56	0.114
				50	0	21.75	20.65	0.116
				50	24	21.64	20.54	0.113
				50	50	21.63	20.53	0.113
				100	0	21.64	20.54	0.113
	1770	132572		1	0	21.52	20.42	0.110
				1	49	21.52	20.42	0.110
				1	99	21.52	20.42	0.110
				50	0	21.61	20.51	0.112
				50	24	21.61	20.51	0.112
				50	50	21.61	20.51	0.112
				100	0	21.61	20.51	0.112