

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

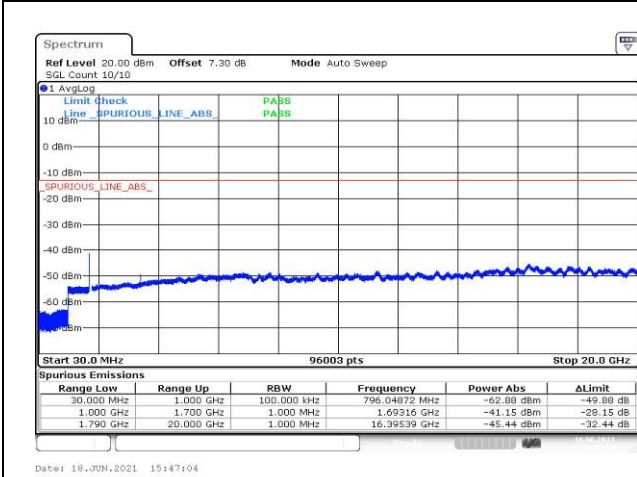


Fig.1

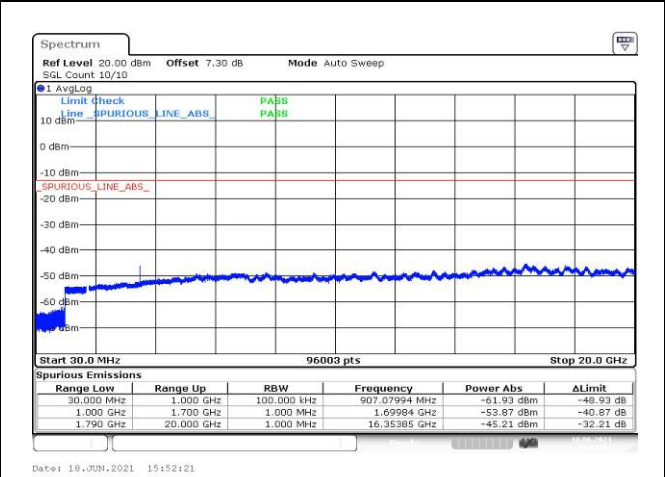


Fig.2

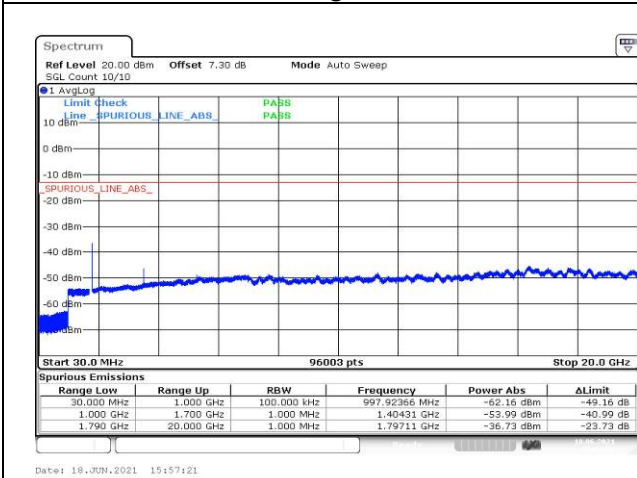
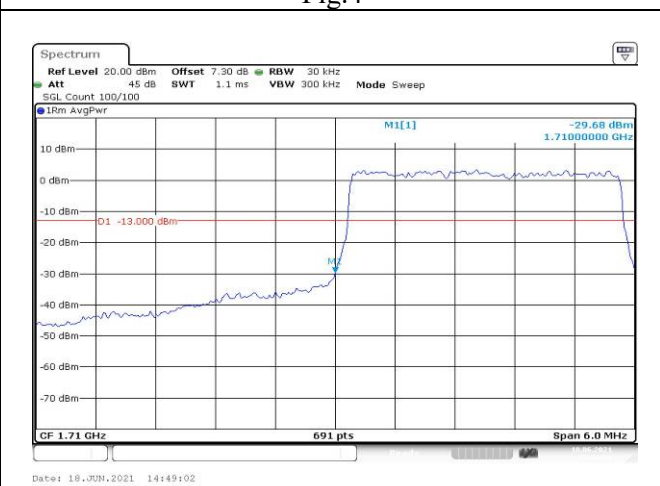
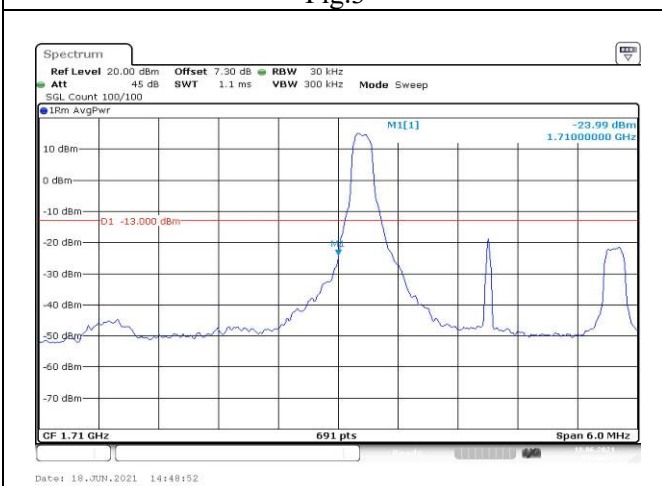
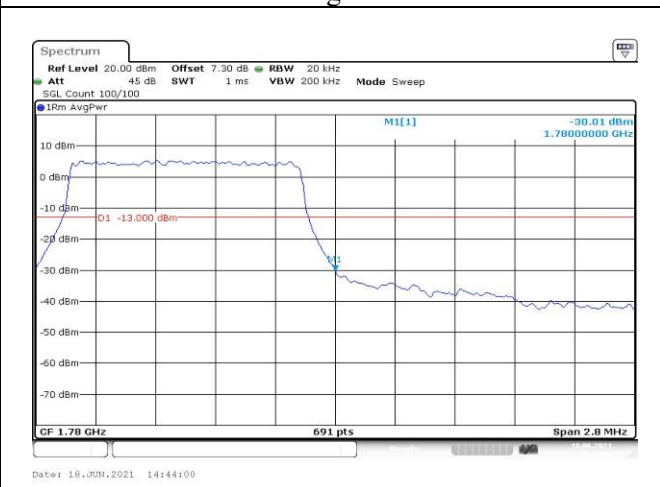
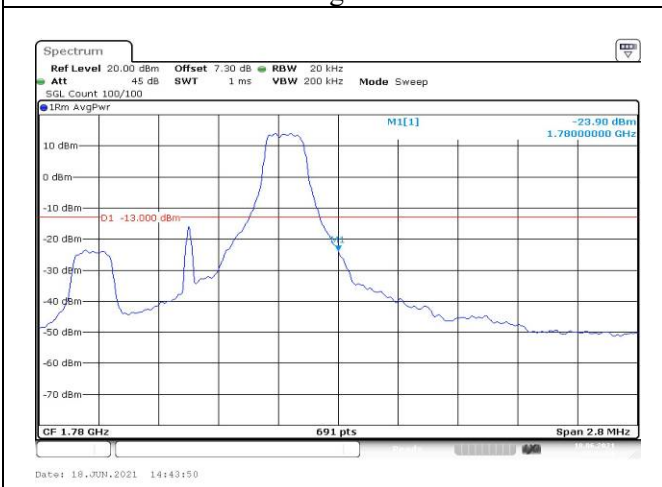
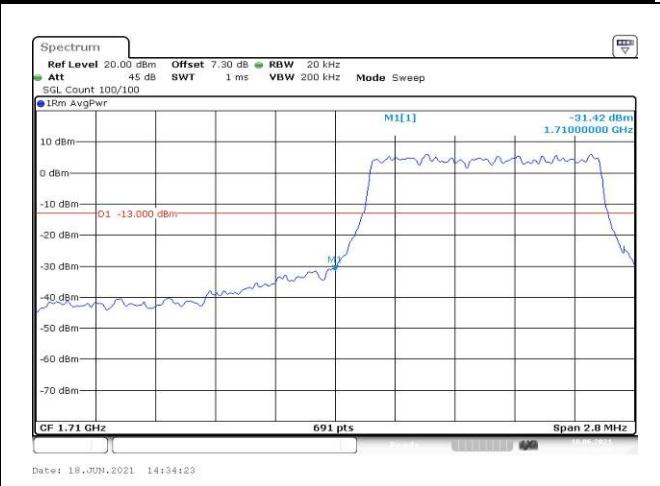
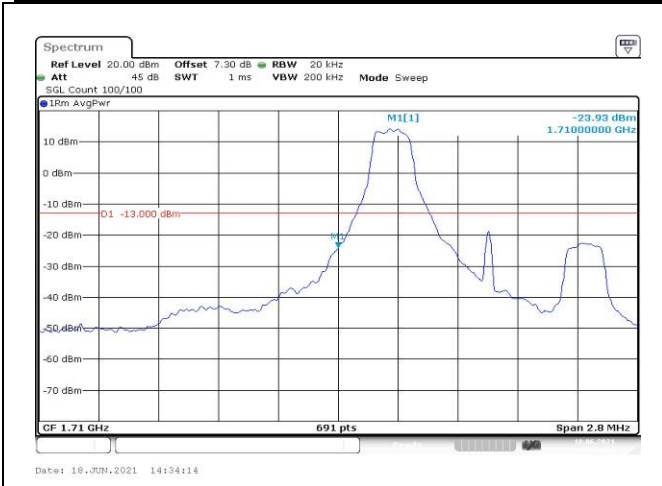


Fig.3

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	
				1	14	Fig.7	
	1778.5	132657		15	0	Fig.8	
				1	0	Fig.9	
	1712.5	131997		5	25	0	Fig.10
			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	
				1	74	Fig.19	
	1772.5	132597		75	0	Fig.20	
				1	0	Fig.21	
	1720	132072		20	100	0	Fig.22
			1		99	Fig.23	
			100		0	Fig.24	
1770	132572						



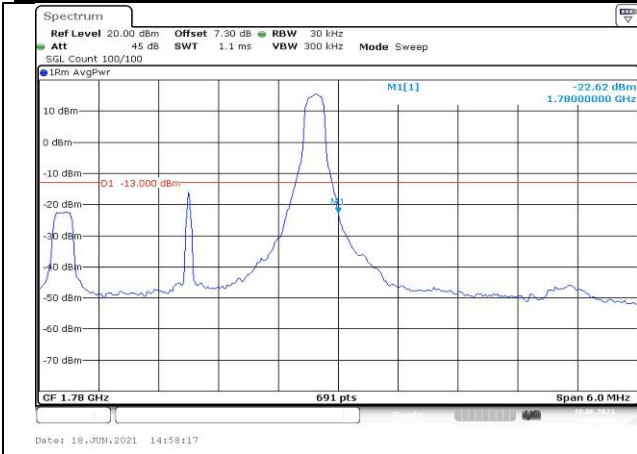


Fig.7



Fig.8

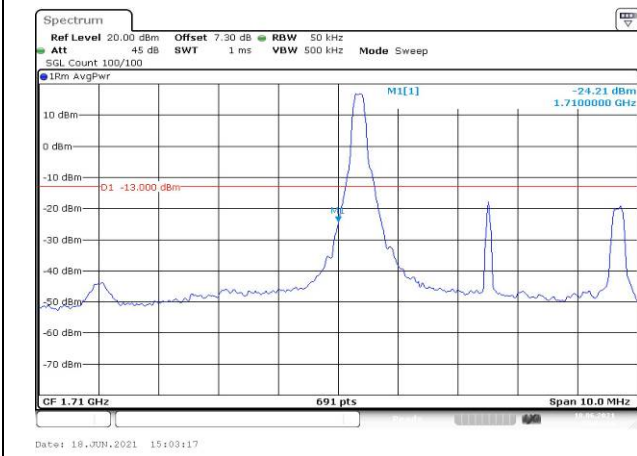


Fig.9

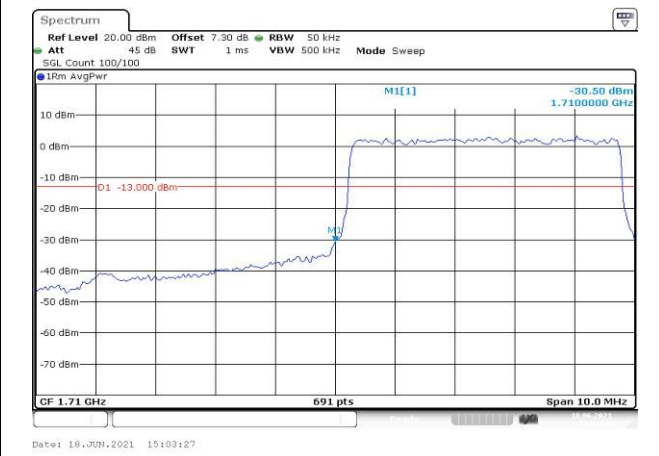


Fig.10

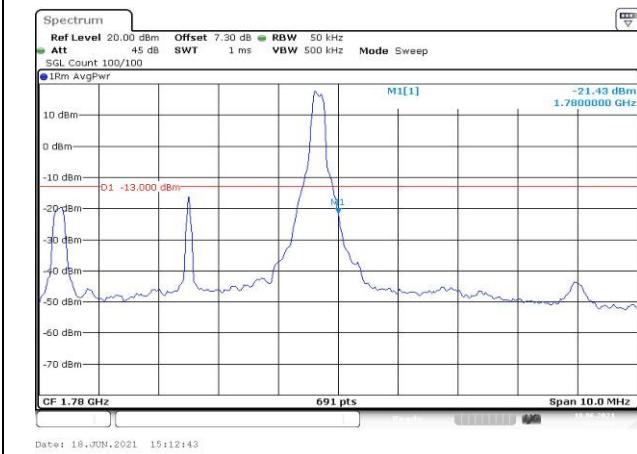


Fig.11

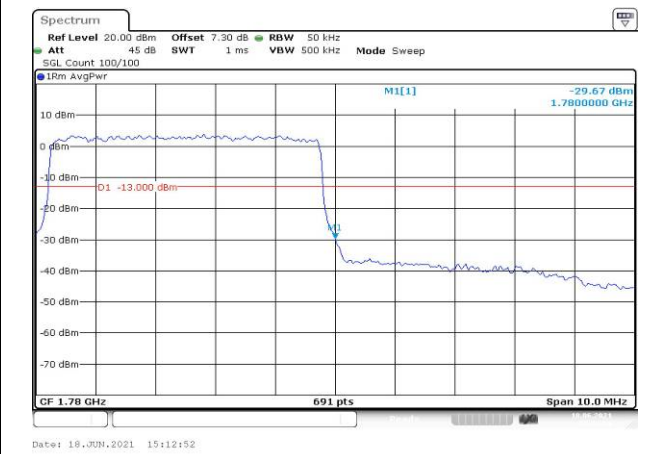


Fig.12

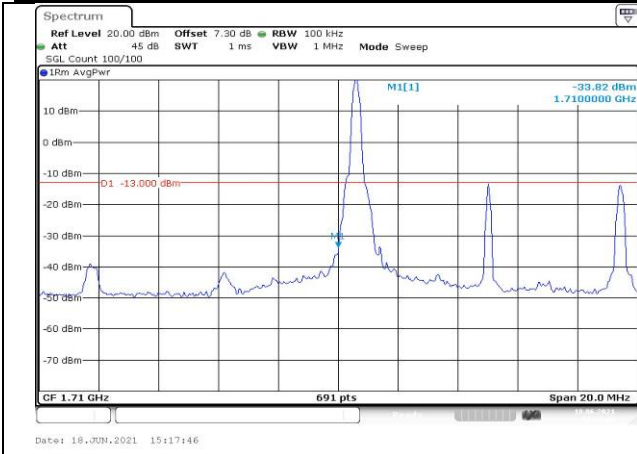


Fig.13

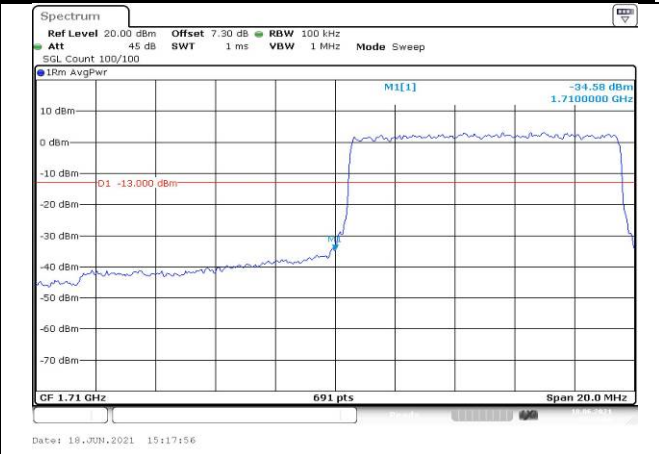


Fig.14

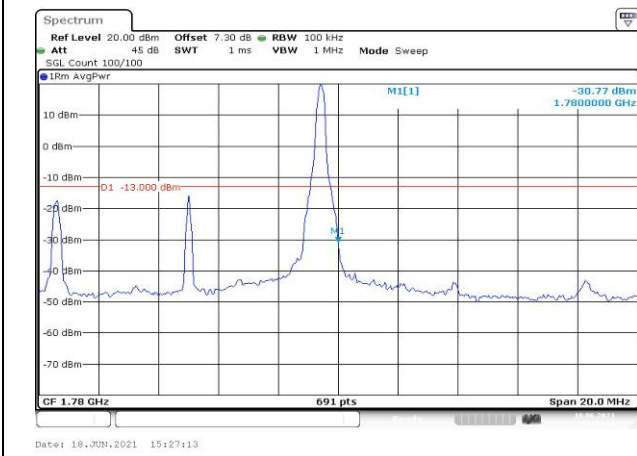


Fig.15

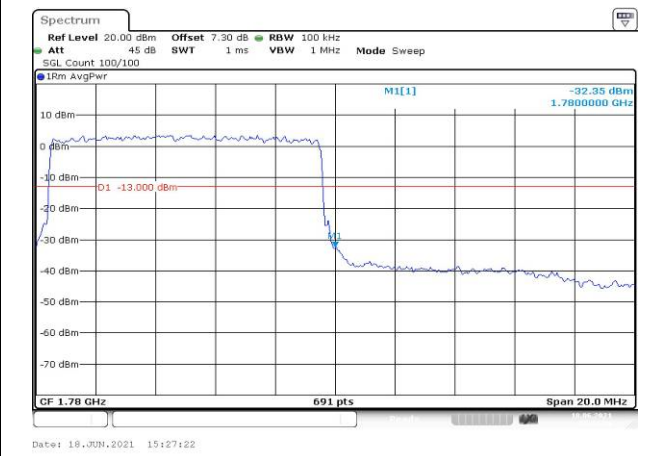


Fig.16

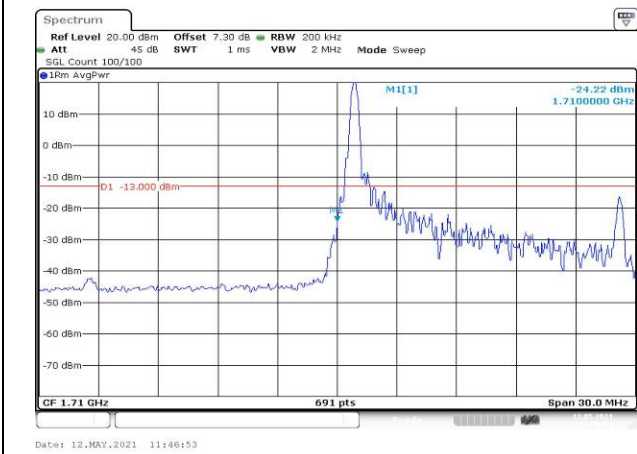


Fig.17

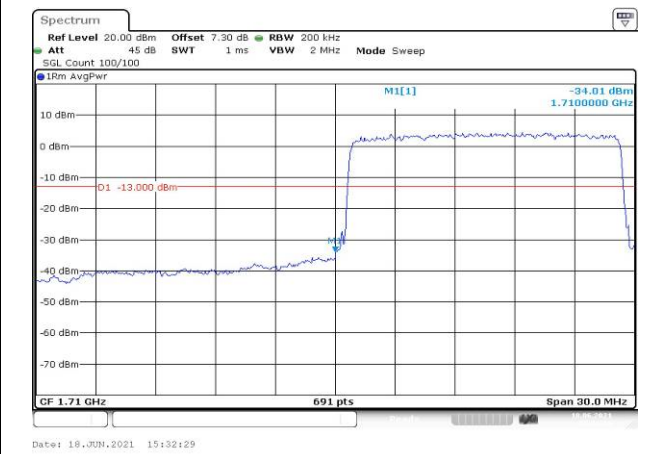


Fig.18

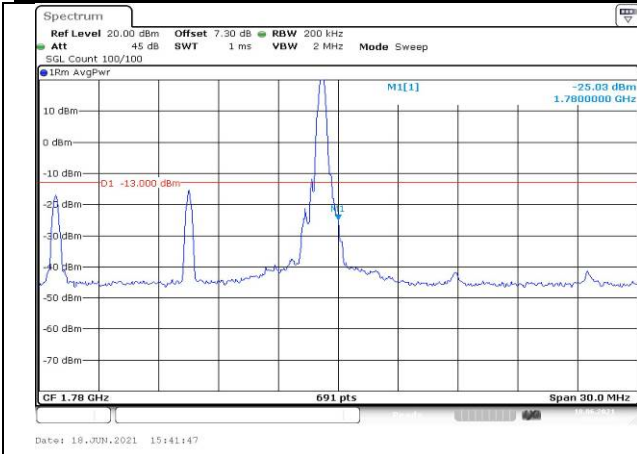


Fig.19



Fig.20

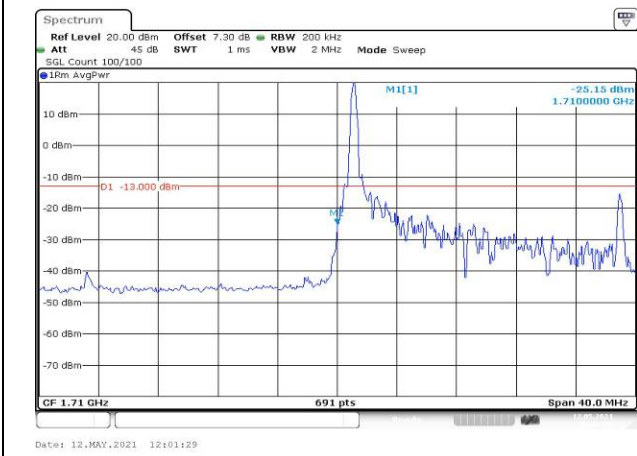


Fig.21

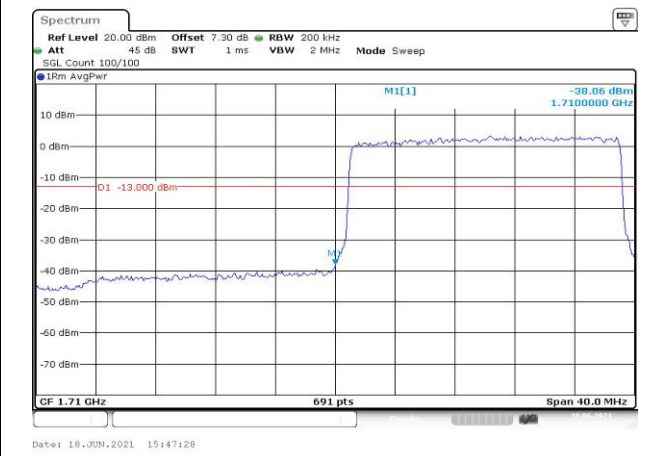


Fig.22

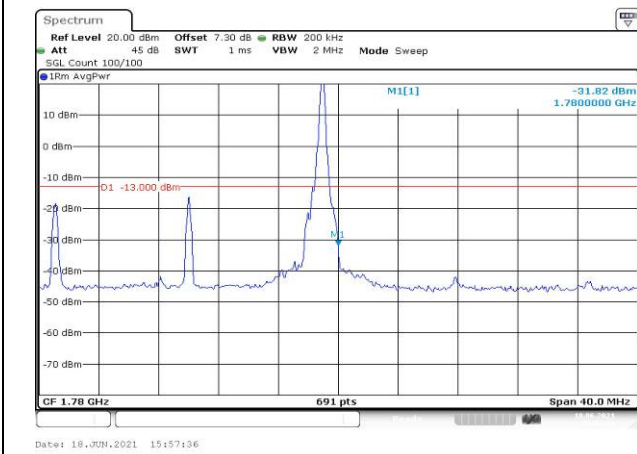


Fig.23

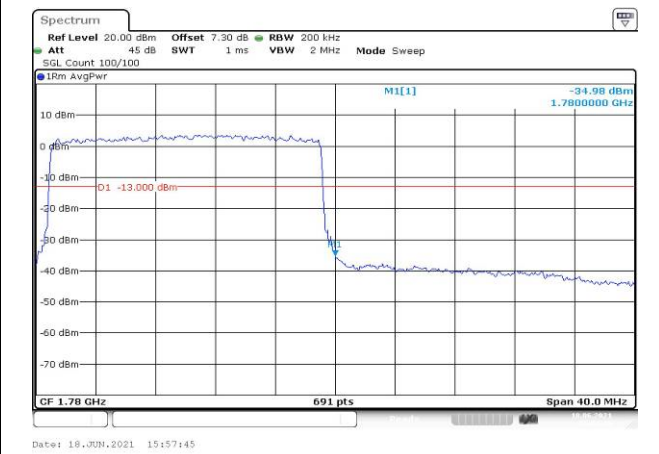


Fig.24

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	Conduct ed 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
	1755	132422		6	0	22.30	21.20	0.132
				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
	1779.3	132665		3	3	23.75	22.65	0.184
				6	0	22.61	21.51	0.142
				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
16QAM	1710.7	131979	3	1	23.69	22.59	0.182	
			3	3	23.68	22.58	0.181	
			6	0	22.60	21.50	0.141	
			1	0	22.53	21.43	0.139	
			1	3	22.48	21.38	0.137	
			1	5	22.48	21.38	0.137	
	1755	132422	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	
			1	0	22.73	21.63	0.146	
			1	3	22.78	21.68	0.147	
	1779.3	132665	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	
			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	Conduct ed 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	
	1755	132422		6	0	21.48	20.38	0.109	
				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	
	1779.3	132665		3	3	21.41	20.31	0.107	
				6	0	21.55	20.45	0.111	
				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
					6	0	21.29	20.19	0.104

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	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		
	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		
	16QAM	1711.5		131987	3	1	0	23.63
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		
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		
16QAM		1755	132422	3		1	0	22.80
	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		
	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		
	16QAM	1778.5	132657		3	1	0	22.80
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	Conduct ed 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	Conduct ed 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	Conduct ed 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
				25	0	21.44	20.34	0.108

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	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
	1755	132422		50	0	22.10	21.00	0.126
				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
	1775	132622		25	25	22.73	21.63	0.146
				50	0	22.55	21.45	0.140
				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
16QAM	1715	132022	25	12	22.57	21.47	0.140	
			25	25	22.57	21.47	0.140	
			50	0	22.56	21.46	0.140	
			1	0	22.76	21.66	0.147	
			1	25	22.02	20.92	0.124	
			1	49	21.92	20.82	0.121	
	1755	132422	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	
			1	0	22.20	21.10	0.129	
			1	25	22.54	21.44	0.139	
	1775	132622	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	
			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	Conduct ed 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	Conduct ed 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		
	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		
	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	15	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		
	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		
	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	Conduct ed 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	Conduct ed 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		
	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		
	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	20	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		
	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		
	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	Conduct ed 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