

Fig.13

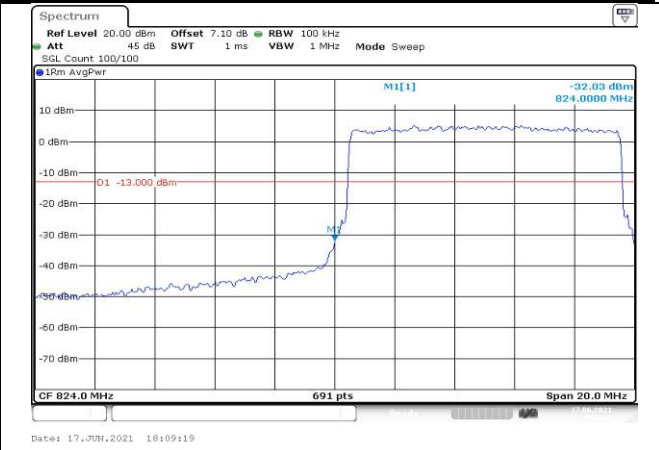


Fig.14

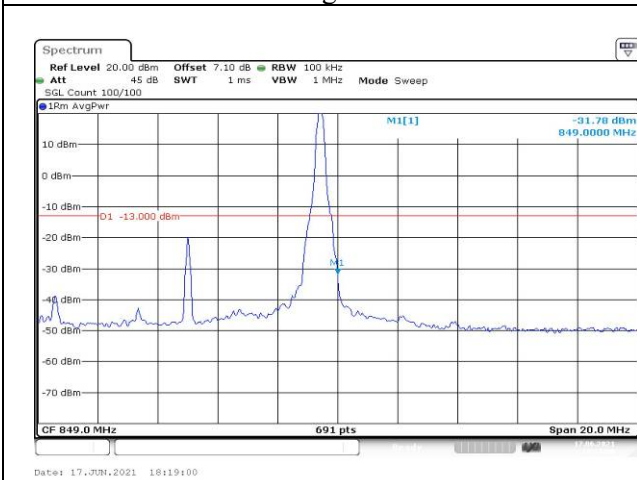


Fig.15

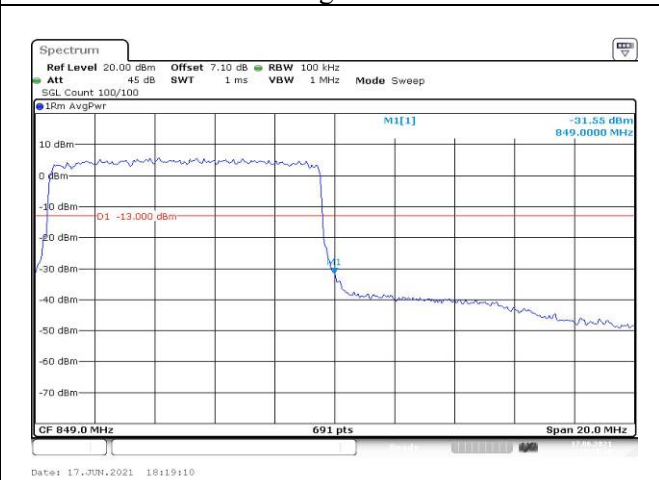


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.002	0.002	0.001	-0.001	---	---
0	NV	-0.012	0.002	-0.001	0.000	---	---
+10	NV	-0.003	0.001	0.004	-0.002	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.016	0.003	0.003	-0.001	---	---
+40	NV	-0.015	0.003	-0.002	-0.002	---	---
+50	NV	0.002	0.001	0.002	-0.001	---	---
+55	NV	-0.003	0.003	-0.001	0.001	---	---
+20	LV	-0.002	0.003	-0.002	-0.001	---	---
+20	HV	0.016	0.003	0.003	-0.001	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.003	0.000	0.005	0.000	---	---
0	NV	0.016	-0.002	0.003	-0.001	---	---
+10	NV	-0.003	-0.001	0.004	0.001	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.007	0.003	0.003	-0.001	---	---
+40	NV	0.000	-0.001	0.003	-0.001	---	---
+50	NV	-0.001	0.001	0.002	0.001	---	---
+55	NV	0.004	0.002	0.002	0.004	---	---
+20	LV	0.002	0.002	0.001	0.003	---	---
+20	HV	0.002	-0.002	0.002	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	824.7	20407	1.4	1	0	23.60	20.15	0.104
				1	3	23.71	20.26	0.106
				1	5	23.79	20.34	0.108
				3	0	23.44	19.99	0.100
				3	1	23.55	20.10	0.102
				3	3	23.55	20.10	0.102
	836.5	20525		6	0	23.52	20.07	0.102
				1	0	24.72	21.27	0.134
				1	3	24.75	21.30	0.135
				1	5	24.75	21.30	0.135
				3	0	24.74	21.29	0.135
				3	1	24.71	21.26	0.134
	848.3	20643		3	3	24.70	21.25	0.133
				6	0	23.71	20.26	0.106
				1	0	24.64	21.19	0.132
				1	3	24.74	21.29	0.135
				1	5	24.73	21.28	0.134
				3	0	24.98	21.53	0.142
16QAM	824.7	20407	3	1	24.88	21.43	0.139	
			3	3	24.95	21.50	0.141	
			6	0	23.91	20.46	0.111	
			1	0	23.28	19.83	0.096	
			1	3	23.37	19.92	0.098	
			1	5	23.46	20.01	0.100	
	836.5	20525	3	0	23.41	19.96	0.099	
			3	1	23.40	19.95	0.099	
			3	3	23.40	19.95	0.099	
			6	0	22.32	18.87	0.077	
			1	0	24.47	21.02	0.126	
			1	3	24.45	21.00	0.126	
	848.3	20643	1	5	24.44	20.99	0.126	
			3	0	23.98	20.53	0.113	
			3	1	23.77	20.32	0.108	
			3	3	23.77	20.32	0.108	
			6	0	23.14	19.69	0.093	
			1	0	23.76	20.31	0.107	
			1	3	23.78	20.33	0.108	
			1	5	23.78	20.33	0.108	
			3	0	23.89	20.44	0.111	
			3	1	23.86	20.41	0.110	
			3	3	23.86	20.41	0.110	
			6	0	22.58	19.13	0.082	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	824.7	20407	1.4	1	0	22.32	18.87	0.077
				1	3	22.32	18.87	0.077
				1	5	22.32	18.87	0.077
				3	0	22.32	18.87	0.077
				3	1	22.32	18.87	0.077
				3	3	22.52	19.07	0.081
	836.5	20525		6	0	22.52	19.07	0.081
				1	0	23.15	19.70	0.093
				1	3	23.15	19.70	0.093
				1	5	23.15	19.70	0.093
				3	0	23.15	19.70	0.093
				3	1	23.15	19.70	0.093
	848.3	20643		3	3	23.15	19.70	0.093
				6	0	23.15	19.70	0.093
				1	0	22.59	19.14	0.082
				1	3	22.59	19.14	0.082
				1	5	22.59	19.14	0.082
				3	0	22.59	19.14	0.082
				3	1	22.87	19.42	0.087
				3	3	22.87	19.42	0.087
				6	0	22.86	19.41	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	23.52	20.07	0.102
				1	8	23.58	20.13	0.103
				1	14	23.58	20.13	0.103
				8	0	23.65	20.20	0.105
				8	4	23.57	20.12	0.103
				8	7	23.57	20.12	0.103
	15	0		23.61	20.16	0.104		
	1	0		24.74	21.29	0.135		
	1	8		24.64	21.19	0.132		
	1	14		24.63	21.18	0.131		
	8	0		23.77	20.32	0.108		
	8	4		23.72	20.27	0.106		
	8	7		23.72	20.27	0.106		
	15	0		23.75	20.30	0.107		
	1	0		24.75	21.30	0.135		
	1	8		25.08	21.63	0.146		
	1	14		25.07	21.62	0.145		
	8	0		23.88	20.43	0.110		
8	4	23.92	20.47	0.111				
8	7	23.92	20.47	0.111				
15	0	23.91	20.46	0.111				
16QAM	825.5	20415	3	1	0	23.91	20.46	0.111
				1	8	24.09	20.64	0.116
				1	14	24.09	20.64	0.116
				8	0	22.71	19.26	0.084
				8	4	22.54	19.09	0.081
				8	7	22.65	19.20	0.083
	15	0		22.47	19.02	0.080		
	1	0		23.84	20.39	0.109		
	1	8		23.84	20.39	0.109		
	1	14		23.83	20.38	0.109		
	8	0		22.74	19.29	0.085		
	8	4		22.80	19.35	0.086		
	8	7		22.80	19.35	0.086		
	15	0		22.61	19.16	0.082		
	1	0		23.82	20.37	0.109		
	1	8		23.58	20.13	0.103		
	1	14		23.58	20.13	0.103		
	8	0		23.00	19.55	0.090		
8	4	22.97	19.52	0.090				
8	7	22.97	19.52	0.090				
15	0	22.88	19.43	0.088				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	825.5	20415	3	1	0	22.74	19.29	0.085
				1	8	22.74	19.29	0.085
				1	14	22.74	19.29	0.085
				8	0	22.75	19.30	0.085
				8	4	22.65	19.20	0.083
				8	7	22.65	19.20	0.083
				15	0	22.66	19.21	0.083
	836.5	20525		1	0	22.61	19.16	0.082
				1	8	22.61	19.16	0.082
				1	14	22.61	19.16	0.082
				8	0	22.61	19.16	0.082
				8	4	22.61	19.16	0.082
				8	7	22.61	19.16	0.082
				15	0	22.61	19.16	0.082
	847.5	20635		1	0	22.88	19.43	0.088
				1	8	22.88	19.43	0.088
				1	14	22.88	19.43	0.088
				8	0	22.88	19.43	0.088
				8	4	22.88	19.43	0.088
				8	7	22.88	19.43	0.088
				15	0	22.88	19.43	0.088

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	20425	5	1	0	23.29	19.84	0.096
				1	12	23.56	20.11	0.103
				1	24	23.62	20.17	0.104
				12	0	23.50	20.05	0.101
				12	7	23.58	20.13	0.103
				12	13	23.66	20.21	0.105
				25	0	23.68	20.23	0.105
	836.5	20525		1	0	24.45	21.00	0.126
				1	12	24.35	20.90	0.123
				1	24	24.44	20.99	0.126
				12	0	23.72	20.27	0.106
				12	7	23.64	20.19	0.104
				12	13	23.63	20.18	0.104
				25	0	23.67	20.22	0.105
	846.5	20625		1	0	24.52	21.07	0.128
				1	12	24.82	21.37	0.137
				1	24	24.82	21.37	0.137
				12	0	23.83	20.38	0.109
				12	7	23.78	20.33	0.108
				12	13	23.78	20.33	0.108
				25	0	23.75	20.30	0.107
16QAM	826.5	20425	1	0	23.23	19.78	0.095	
			1	12	22.92	19.47	0.089	
			1	24	22.92	19.47	0.089	
			12	0	22.27	18.82	0.076	
			12	7	22.33	18.88	0.077	
			12	13	22.33	18.88	0.077	
			25	0	22.62	19.17	0.083	
	836.5	20525	1	0	23.86	20.41	0.110	
			1	12	23.87	20.42	0.110	
			1	24	23.87	20.42	0.110	
			12	0	22.67	19.22	0.084	
			12	7	22.69	19.24	0.084	
			12	13	22.69	19.24	0.084	
			25	0	22.87	19.42	0.087	
	846.5	20625	1	0	23.64	20.19	0.104	
			1	12	23.53	20.08	0.102	
			1	24	23.53	20.08	0.102	
			12	0	22.88	19.43	0.088	
			12	7	22.85	19.40	0.087	
			12	13	22.85	19.40	0.087	
			25	0	22.89	19.44	0.088	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	826.5	20425	5	1	0	22.61	19.16	0.082	
				1	12	22.62	19.17	0.083	
				1	24	22.61	19.16	0.082	
				12	0	22.61	19.16	0.082	
				12	7	22.61	19.16	0.082	
				12	13	22.61	19.16	0.082	
	836.5	20525		25	0	22.61	19.16	0.082	
				1	0	22.88	19.43	0.088	
				1	12	22.87	19.42	0.087	
				1	24	22.87	19.42	0.087	
				12	0	22.87	19.42	0.087	
				12	7	22.87	19.42	0.087	
	846.5	20625		12	13	22.87	19.42	0.087	
				25	0	22.87	19.42	0.087	
				1	0	22.89	19.44	0.088	
				1	12	22.89	19.44	0.088	
				1	24	22.89	19.44	0.088	
				12	0	22.89	19.44	0.088	
					12	7	22.89	19.44	0.088
					12	13	22.89	19.44	0.088
					25	0	22.89	19.44	0.088

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	24.65	21.20	0.133
				1	25	24.80	21.35	0.134
				1	49	24.80	21.35	0.136
				25	0	23.77	20.32	0.104
				25	12	23.73	20.28	0.107
				25	25	23.73	20.28	0.107
	836.5	20525		50	0	23.80	20.35	0.108
				1	0	24.65	21.20	0.132
				1	25	24.80	21.35	0.136
				1	49	24.80	21.35	0.136
				25	0	23.77	20.32	0.108
				25	12	23.73	20.28	0.107
	844	20600		25	25	23.73	20.28	0.107
				50	0	23.80	20.35	0.108
				1	0	24.93	21.48	0.141
				1	25	24.96	21.51	0.142
				1	49	24.96	21.51	0.142
				25	0	23.88	20.43	0.110
16QAM	829	20450	25	12	23.83	20.38	0.109	
			25	25	23.83	20.38	0.109	
			50	0	23.77	20.32	0.108	
			1	0	23.24	19.79	0.095	
			1	25	23.42	19.97	0.099	
			1	49	23.40	19.95	0.099	
	836.5	20525	25	0	22.61	19.16	0.082	
			25	12	22.64	19.19	0.083	
			25	25	22.63	19.18	0.083	
			50	0	22.55	19.10	0.081	
			1	0	24.31	20.86	0.122	
			1	25	24.36	20.91	0.123	
	844	20600	1	49	24.36	20.91	0.123	
			25	0	22.91	19.46	0.088	
			25	12	22.88	19.43	0.088	
			25	25	22.88	19.43	0.088	
			50	0	22.70	19.25	0.084	
			1	0	24.53	21.08	0.128	
			1	25	24.57	21.12	0.129	
			1	49	24.57	21.12	0.129	
			25	0	23.09	19.64	0.092	
			25	12	23.08	19.63	0.092	
			25	25	23.09	19.64	0.092	
			50	0	22.87	19.42	0.087	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	829	20450	10	1	0	22.55	19.10	0.081
				1	25	22.55	19.10	0.081
				1	49	22.54	19.09	0.081
				25	0	22.54	19.09	0.081
				25	12	22.53	19.08	0.081
				25	25	22.53	19.08	0.081
	836.5	20525		50	0	22.53	19.08	0.081
				1	0	22.70	19.25	0.084
				1	25	22.70	19.25	0.084
				1	49	22.80	19.35	0.086
				25	0	22.61	19.16	0.082
				25	12	22.61	19.16	0.082
	844	20600		25	25	22.61	19.16	0.082
				50	0	22.61	19.16	0.082
				1	0	22.87	19.42	0.087
				1	25	22.87	19.42	0.087
				1	49	22.87	19.42	0.087
				25	0	22.87	19.42	0.087
				25	12	22.87	19.42	0.087
				25	25	22.87	19.42	0.087
				50	0	22.87	19.42	0.087