

Fig.13

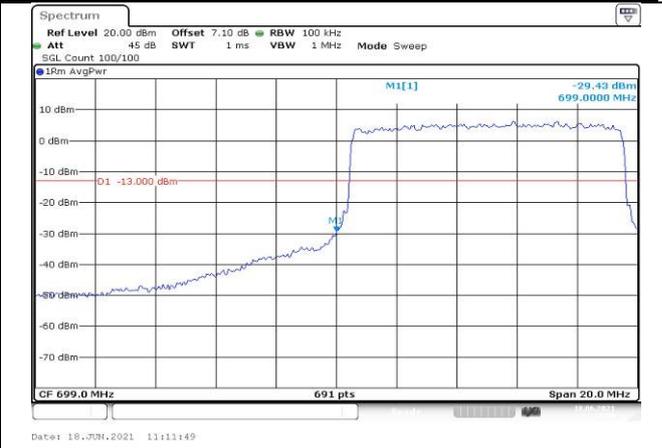


Fig.14

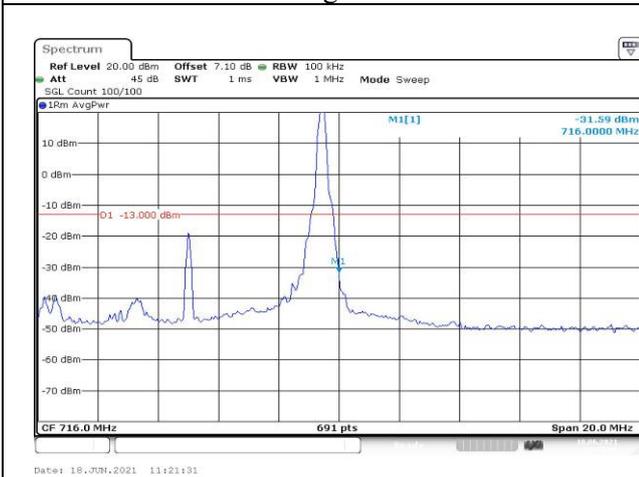


Fig.15

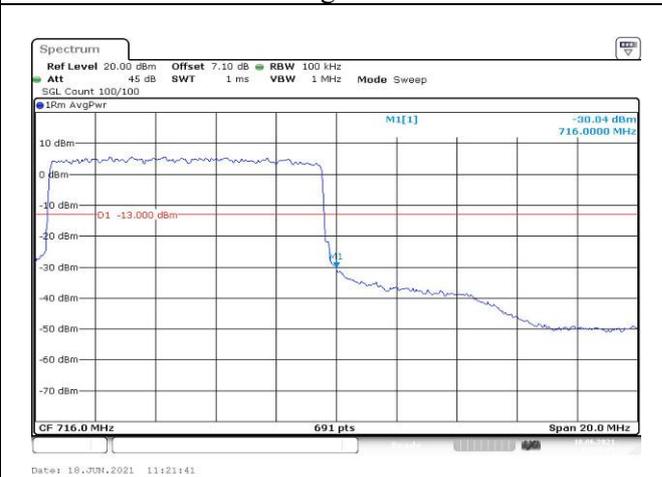


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.014	-0.001	-0.001	-0.001	---	---
0	NV	-0.003	0.001	0.004	-0.002	---	---
+10	NV	0.013	-0.002	0.002	0.000	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	0.018	0.000	0.002	-0.001	---	---
+40	NV	-0.003	0.001	0.003	0.003	---	---
+50	NV	-0.016	0.003	0.003	0.003	---	---
+55	NV	-0.011	0.005	-0.001	0.002	---	---
+20	LV	-0.016	-0.005	-0.001	-0.002	---	---
+20	HV	-0.013	-0.001	0.001	-0.002	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.000	0.002	0.002	0.001	---	---
0	NV	-0.002	0.007	0.001	-0.001	---	---
+10	NV	0.001	0.002	0.004	-0.001	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	0.003	0.004	-0.001	0.002	---	---
+40	NV	0.002	0.003	0.002	-0.001	---	---
+50	NV	-0.003	0.004	0.000	0.001	---	---
+55	NV	0.004	0.004	0.005	-0.001	---	---
+20	LV	0.009	0.006	0.002	-0.001	---	---
+20	HV	-0.001	0.005	0.000	-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	699.7	23017	1.4	1	0	24.34	18.79	0.076
				1	3	24.38	18.83	0.076
				1	5	24.36	18.81	0.076
				3	0	24.16	18.61	0.073
				3	1	24.19	18.64	0.073
				3	3	24.18	18.63	0.073
	6	0		24.24	18.69	0.074		
	1	0		24.97	19.42	0.087		
	1	3		24.94	19.39	0.087		
	1	5		24.94	19.39	0.087		
	3	0		25.13	19.58	0.091		
	3	1		25.15	19.60	0.091		
	3	3		25.15	19.60	0.091		
	6	0		24.01	18.46	0.070		
	1	0		25.35	19.80	0.095		
	1	3		25.51	19.96	0.099		
	1	5		25.49	19.94	0.099		
	3	0		25.14	19.59	0.091		
3	1	25.26	19.71	0.094				
3	3	25.25	19.70	0.093				
6	0	24.04	18.49	0.071				
16QAM	699.7	23017	1	0	24.35	18.80	0.076	
			1	3	24.32	18.77	0.075	
			1	5	24.32	18.77	0.075	
			3	0	24.24	18.69	0.074	
			3	1	24.30	18.75	0.075	
			3	3	24.30	18.75	0.075	
	6	0	23.08	17.53	0.057			
	1	0	24.63	19.08	0.081			
	1	3	24.71	19.16	0.082			
	1	5	24.71	19.16	0.082			
	3	0	23.98	18.43	0.070			
	3	1	24.03	18.48	0.070			
	3	3	24.03	18.48	0.070			
	6	0	23.32	17.77	0.060			
	1	0	23.88	18.33	0.068			
	1	3	24.17	18.62	0.073			
	1	5	24.16	18.61	0.073			
	3	0	23.71	18.16	0.065			
3	1	23.70	18.15	0.065				
3	3	23.70	18.15	0.065				
6	0	22.68	17.13	0.052				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	699.7	23017	1.4	1	0	23.08	17.53	0.057
				1	3	23.08	17.53	0.057
				1	5	23.08	17.53	0.057
				3	0	23.08	17.53	0.057
				3	1	23.07	17.52	0.056
				3	3	23.17	17.62	0.058
	6	0		23.16	17.61	0.058		
	707.5	23095		1	0	23.32	17.77	0.060
				1	3	23.32	17.77	0.060
				1	5	23.32	17.77	0.060
				3	0	23.32	17.77	0.060
				3	1	23.33	17.78	0.060
				3	3	23.06	17.51	0.056
	715.3	23173		6	0	23.06	17.51	0.056
				1	0	22.68	17.13	0.052
				1	3	22.69	17.14	0.052
				1	5	22.69	17.14	0.052
				3	0	22.69	17.14	0.052
				3	1	22.69	17.14	0.052
				3	3	22.69	17.14	0.052
				6	0	22.69	17.14	0.052

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	23.93	18.38	0.069
				1	8	24.03	18.48	0.070
				1	14	24.02	18.47	0.070
				8	0	24.30	18.75	0.075
				8	4	24.23	18.68	0.074
				8	7	24.23	18.68	0.074
	15	0		24.17	18.62	0.073		
	707.5	23095		1	0	25.09	19.54	0.090
				1	8	25.04	19.49	0.089
				1	14	25.04	19.49	0.089
				8	0	24.07	18.52	0.071
				8	4	24.11	18.56	0.072
				8	7	24.11	18.56	0.072
	15	0		24.10	18.55	0.072		
	714.5	23165		1	0	25.09	19.54	0.090
1			8	25.08	19.53	0.090		
1			14	25.07	19.52	0.090		
8			0	24.15	18.60	0.072		
8			4	24.07	18.52	0.071		
8			7	24.07	18.52	0.071		
15	0	24.11	18.56	0.072				
16QAM	700.5	23025	1	0	24.61	19.06	0.081	
			1	8	24.04	18.49	0.071	
			1	14	24.04	18.49	0.071	
			8	0	23.08	17.53	0.057	
			8	4	23.05	17.50	0.056	
			8	7	23.05	17.50	0.056	
	15	0	23.13	17.58	0.057			
	707.5	23095	1	0	24.93	19.38	0.087	
			1	8	24.27	18.72	0.074	
			1	14	24.27	18.72	0.074	
			8	0	23.36	17.81	0.060	
			8	4	23.40	17.85	0.061	
			8	7	23.40	17.85	0.061	
	15	0	23.34	17.79	0.060			
	714.5	23165	1	0	24.13	18.58	0.072	
1			8	23.96	18.41	0.069		
1			14	23.96	18.41	0.069		
8			0	23.01	17.46	0.056		
8			4	22.99	17.44	0.055		
8			7	23.09	17.54	0.057		
15	0	23.22	17.67	0.058				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	700.5	23025	3	1	0	23.13	17.58	0.057
				1	8	23.13	17.58	0.057
				1	14	23.13	17.58	0.057
				8	0	23.13	17.58	0.057
				8	4	23.13	17.58	0.057
				8	7	23.13	17.58	0.057
				15	0	23.13	17.58	0.057
	707.5	23095		1	0	23.34	17.79	0.060
				1	8	23.34	17.79	0.060
				1	14	23.34	17.79	0.060
				8	0	23.34	17.79	0.060
				8	4	23.34	17.79	0.060
				8	7	23.34	17.79	0.060
				15	0	23.34	17.79	0.060
	714.5	23165		1	0	23.22	17.67	0.058
				1	8	23.22	17.67	0.058
				1	14	23.22	17.67	0.058
				8	0	23.21	17.66	0.058
				8	4	23.21	17.66	0.058
				8	7	23.22	17.67	0.058
				15	0	23.22	17.67	0.058

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	24.16	18.61	0.073
				1	12	23.90	18.35	0.068
				1	24	23.90	18.35	0.068
				12	0	24.15	18.60	0.072
				12	7	24.09	18.54	0.071
				12	13	24.09	18.54	0.071
				25	0	24.13	18.58	0.072
	707.5	23095		1	0	25.37	19.82	0.096
				1	12	24.72	19.17	0.083
				1	24	25.14	19.59	0.091
				12	0	24.09	18.54	0.071
				12	7	23.94	18.39	0.069
				12	13	23.94	18.39	0.069
				25	0	24.04	18.49	0.071
	713.5	23155		1	0	25.12	19.57	0.091
				1	12	25.20	19.65	0.092
				1	24	25.10	19.55	0.090
				12	0	23.95	18.40	0.069
				12	7	24.03	18.48	0.070
				12	13	24.02	18.47	0.070
				25	0	24.04	18.49	0.071
16QAM	701.5	23035	1	0	24.13	18.58	0.072	
			1	12	24.06	18.51	0.071	
			1	24	24.06	18.51	0.071	
			12	0	23.27	17.72	0.059	
			12	7	23.17	17.62	0.058	
			12	13	23.17	17.62	0.058	
			25	0	23.30	17.75	0.060	
	707.5	23095	1	0	24.46	18.91	0.078	
			1	12	24.53	18.98	0.079	
			1	24	24.53	18.98	0.079	
			12	0	23.14	17.59	0.057	
			12	7	23.01	17.46	0.056	
			12	13	23.02	17.47	0.056	
			25	0	23.03	17.48	0.056	
	713.5	23155	1	0	23.76	18.21	0.066	
			1	12	23.69	18.14	0.065	
			1	24	23.78	18.23	0.067	
			12	0	23.02	17.47	0.056	
			12	7	22.88	17.33	0.054	
			12	13	22.88	17.33	0.054	
			25	0	23.21	17.66	0.058	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	701.5	23035	5	1	0	23.30	17.75	0.060
				1	12	23.29	17.74	0.059
				1	24	23.30	17.75	0.060
				12	0	23.30	17.75	0.060
				12	7	23.29	17.74	0.059
				12	13	23.29	17.74	0.059
				25	0	23.30	17.75	0.060
	707.5	23095		1	0	23.03	17.48	0.056
				1	12	23.03	17.48	0.056
				1	24	23.03	17.48	0.056
				12	0	23.03	17.48	0.056
				12	7	23.03	17.48	0.056
				12	13	23.03	17.48	0.056
				25	0	23.03	17.48	0.056
	713.5	23155		1	0	23.21	17.66	0.058
				1	12	23.21	17.66	0.058
				1	24	23.21	17.66	0.058
				12	0	23.21	17.66	0.058
				12	7	23.21	17.66	0.058
				12	13	23.21	17.66	0.058
				25	0	23.21	17.66	0.058

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	23.99	18.44	0.070
				1	25	23.85	18.30	0.068
				1	49	23.84	18.29	0.067
				25	0	24.14	18.59	0.072
				25	12	24.21	18.66	0.073
				25	25	24.21	18.66	0.073
	707.5	23095		50	0	24.11	18.56	0.072
				1	0	25.01	19.46	0.088
				1	25	25.13	19.58	0.091
				1	49	25.22	19.67	0.093
				25	0	24.18	18.63	0.073
				25	12	23.98	18.43	0.070
	711	23130		25	25	23.98	18.43	0.070
				50	0	24.08	18.53	0.071
				1	0	25.48	19.93	0.098
				1	25	24.99	19.44	0.088
				1	49	24.98	19.43	0.088
				25	0	24.14	18.59	0.072
16QAM	704	23060	10	25	12	24.10	18.55	0.072
				25	25	24.10	18.55	0.072
				50	0	24.12	18.57	0.072
				1	0	24.62	19.07	0.081
				1	25	24.30	18.75	0.075
				1	49	24.29	18.74	0.075
	707.5	23095		25	0	23.18	17.63	0.058
				25	12	23.25	17.70	0.059
				25	25	23.25	17.70	0.059
				50	0	23.10	17.55	0.057
				1	0	24.43	18.88	0.077
				1	25	24.63	19.08	0.081
	711	23130		1	49	24.63	19.08	0.081
				25	0	23.11	17.56	0.057
				25	12	23.16	17.61	0.058
				25	25	23.17	17.62	0.058
				50	0	23.18	17.63	0.058
				1	0	24.42	18.87	0.077
704	23060	10	1	25	23.83	18.28	0.067	
			1	49	23.82	18.27	0.067	
			25	0	23.32	17.77	0.060	
			25	12	23.21	17.66	0.058	
			25	25	23.21	17.66	0.058	
			50	0	23.25	17.70	0.059	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	704	23060	10	1	0	23.09	17.54	0.057
				1	25	23.10	17.55	0.057
				1	49	23.10	17.55	0.057
				25	0	23.09	17.54	0.057
				25	12	23.10	17.55	0.057
				25	25	23.10	17.55	0.057
				50	0	23.09	17.54	0.057
	707.5	23095		1	0	23.19	17.64	0.058
				1	25	23.18	17.63	0.058
				1	49	23.18	17.63	0.058
				25	0	23.18	17.63	0.058
				25	12	23.18	17.63	0.058
				25	25	23.19	17.64	0.058
				50	0	23.18	17.63	0.058
	711	23130		1	0	23.16	17.61	0.058
				1	25	23.17	17.62	0.058
				1	49	23.17	17.62	0.058
				25	0	23.16	17.61	0.058
				25	12	23.16	17.61	0.058
				25	25	23.17	17.62	0.058
				50	0	23.16	17.61	0.058