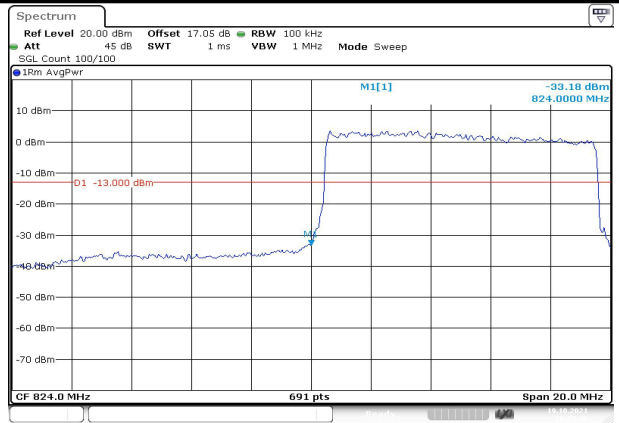


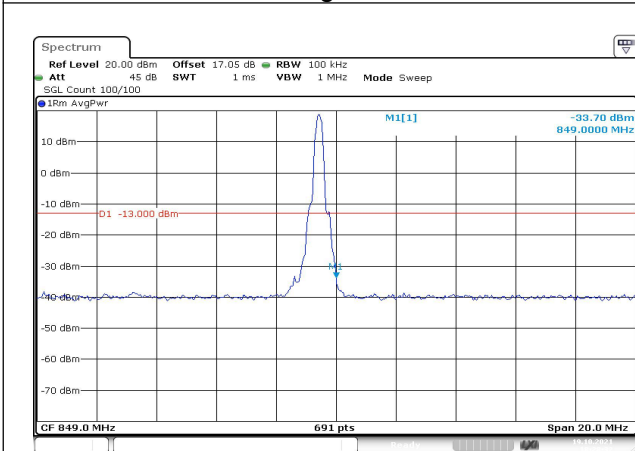
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Fig.13



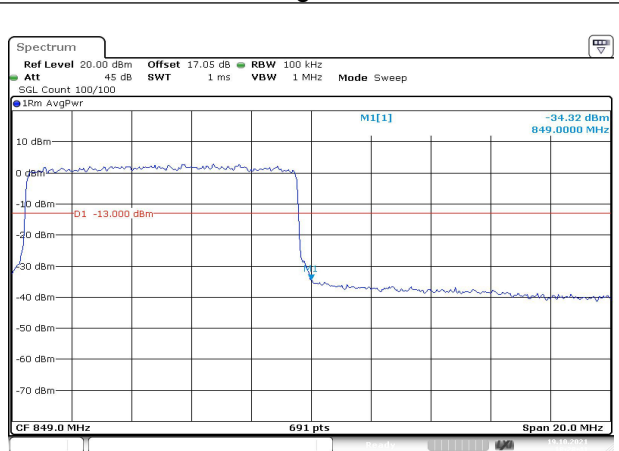
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Fig.14



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Fig.15



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Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	0.001	0.001	0.003	0.000	---	---
-20	NV	0.004	0.000	0.003	0.000	---	---
-10	NV	0.027	-0.002	0.004	0.001	---	---
0	NV	0.009	0.001	0.001	-0.001	---	---
+10	NV	-0.001	-0.002	0.002	0.001	---	---
+30	NV	-0.002	0.001	0.003	0.000	---	---
+40	NV	0.004	-0.003	0.002	0.000	---	---
+50	NV	0.005	-0.003	-0.001	-0.001	---	---
+20	LV	0.017	0.001	0.003	0.000	---	---
+20	HV	0.021	-0.001	0.001	0.000	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	0.001	0.000	0.002	-0.001	---	---
-20	NV	0.005	0.000	-0.002	-0.002	---	---
-10	NV	0.006	0.002	0.002	-0.002	---	---
0	NV	0.004	0.001	0.001	0.000	---	---
+10	NV	0.003	0.001	-0.001	-0.003	---	---
+30	NV	0.008	-0.001	0.002	-0.001	---	---
+40	NV	0.003	-0.001	0.001	0.000	---	---
+50	NV	0.004	-0.001	-0.002	-0.001	---	---
+20	LV	0.004	-0.001	-0.003	-0.001	---	---
+20	HV	0.009	0.000	0.000	0.002	---	---

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	824.7	20407	1.4	1	0	21.46	19.31	0.085		
				1	3	22.03	19.88	0.097		
				1	5	21.41	19.26	0.084		
				3	0	21.52	19.37	0.086		
				3	1	21.60	19.45	0.088		
				3	3	21.55	19.40	0.087		
	836.5	20525		6	0	20.52	18.37	0.069		
				1	0	21.74	19.59	0.091		
				1	3	21.67	19.52	0.090		
				1	5	22.15	20.00	0.100		
				3	0	21.42	19.27	0.085		
				3	1	21.43	19.28	0.085		
				3	3	21.57	19.42	0.087		
				6	0	20.57	18.42	0.070		
				848.3	20643	1	0	21.76	19.61	0.091
						1	3	21.83	19.68	0.093
						1	5	21.65	19.50	0.089
						3	0	21.33	19.18	0.083
	3	1				21.42	19.27	0.085		
	3	3				21.37	19.22	0.084		
	64QAM	824.7		20407	6	0	20.49	18.34	0.068	
					1	0	20.86	18.71	0.074	
					1	3	20.95	18.80	0.076	
					1	5	20.84	18.69	0.074	
					3	0	20.64	18.49	0.071	
					3	1	20.72	18.57	0.072	
		836.5		20525	3	3	20.65	18.50	0.071	
6			0		19.52	17.37	0.055			
1			0		20.44	18.29	0.067			
1			3		20.35	18.20	0.066			
1			5		20.29	18.14	0.065			
3			0		20.51	18.36	0.069			
3			1		20.79	18.64	0.073			
3			3		20.54	18.39	0.069			
6			0		19.53	17.38	0.055			
848.3			20643		1	0	20.24	18.09	0.064	
					1	3	20.49	18.34	0.068	
					1	5	20.54	18.39	0.069	
		3		0	20.41	18.26	0.067			
		3		1	20.26	18.11	0.065			
		3		3	20.45	18.30	0.068			
6		0	19.45	17.30	0.054					

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	22.37	20.22	0.105
				1	3	22.48	20.33	0.108
				1	5	22.42	20.27	0.106
				3	0	22.34	20.19	0.104
				3	1	22.42	20.27	0.106
				3	3	22.38	20.23	0.105
	6	0		21.47	19.32	0.086		
	836.5	20525		1	0	22.36	20.21	0.105
				1	3	22.57	20.42	0.110
				1	5	22.36	20.21	0.105
				3	0	22.38	20.23	0.105
				3	1	22.40	20.25	0.106
				3	3	22.36	20.21	0.105
	6	0		21.46	19.31	0.085		
	848.3	20643		1	0	22.40	20.25	0.106
				1	3	22.51	20.36	0.109
				1	5	22.41	20.26	0.106
				3	0	22.35	20.20	0.105
				3	1	22.34	20.19	0.104
				3	3	22.33	20.18	0.104
	6	0		21.26	19.11	0.081		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
16QAM	825.5	20415	3	1	0	22.30	20.15	0.104	
				1	8	22.27	20.12	0.103	
				1	14	22.00	19.85	0.097	
				8	0	20.71	18.56	0.072	
				8	4	20.68	18.53	0.071	
				8	7	20.71	18.56	0.072	
				15	0	20.71	18.56	0.072	
	836.5	20525		1	0	21.70	19.55	0.090	
				1	8	21.81	19.66	0.092	
				1	14	21.73	19.58	0.091	
				8	0	20.54	18.39	0.069	
				8	4	20.51	18.36	0.069	
				8	7	20.47	18.32	0.068	
				15	0	20.49	18.34	0.068	
	847.5	20635		1	0	21.90	19.75	0.094	
				1	8	21.74	19.59	0.091	
				1	14	21.70	19.55	0.090	
				8	0	20.59	18.44	0.070	
				8	4	20.63	18.48	0.070	
				8	7	20.55	18.40	0.069	
				15	0	20.57	18.42	0.070	
	64QAM	825.5		20415	1	0	21.02	18.87	0.077
					1	8	20.95	18.80	0.076
					1	14	20.91	18.76	0.075
8			0		19.78	17.63	0.058		
8			4		19.70	17.55	0.057		
8			7		19.72	17.57	0.057		
15			0		19.51	17.36	0.054		
836.5		20525	1	0	20.33	18.18	0.066		
			1	8	20.32	18.17	0.066		
			1	14	20.38	18.23	0.067		
			8	0	19.49	17.34	0.054		
			8	4	19.61	17.46	0.056		
			8	7	19.57	17.42	0.055		
			15	0	19.49	17.34	0.054		
847.5		20635	1	0	20.35	18.20	0.066		
			1	8	20.37	18.22	0.066		
			1	14	20.28	18.13	0.065		
			8	0	19.72	17.57	0.057		
			8	4	19.68	17.53	0.057		
			8	7	19.58	17.43	0.055		
			15	0	19.68	17.53	0.057		

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	22.67	20.52	0.113
				1	8	22.67	20.52	0.113
				1	14	22.53	20.38	0.109
				8	0	21.68	19.53	0.090
				8	4	21.60	19.45	0.088
				8	7	21.60	19.45	0.088
				15	0	21.64	19.49	0.089
	836.5	20525		1	0	22.46	20.31	0.107
				1	8	22.44	20.29	0.107
				1	14	22.36	20.21	0.105
				8	0	21.52	19.37	0.086
				8	4	21.56	19.41	0.087
				8	7	21.50	19.35	0.086
				15	0	21.48	19.33	0.086
	847.5	20635		1	0	22.39	20.24	0.106
				1	8	22.60	20.45	0.111
				1	14	22.54	20.39	0.109
				8	0	21.57	19.42	0.087
				8	4	21.59	19.44	0.088
				8	7	21.52	19.37	0.086
				15	0	21.53	19.38	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
16QAM	826.5	20425	5	1	0	21.88	19.73	0.094	
				1	12	21.72	19.57	0.091	
				1	24	21.79	19.64	0.092	
				12	0	20.61	18.46	0.070	
				12	7	20.60	18.45	0.070	
				12	13	20.55	18.40	0.069	
				25	0	20.63	18.48	0.070	
	836.5	20525		1	0	22.05	19.90	0.098	
				1	12	21.96	19.81	0.096	
				1	24	22.01	19.86	0.097	
				12	0	20.54	18.39	0.069	
				12	7	20.49	18.34	0.068	
				12	13	20.44	18.29	0.067	
				25	0	20.53	18.38	0.069	
	846.5	20625		1	0	21.99	19.84	0.096	
				1	12	21.98	19.83	0.096	
				1	24	22.00	19.85	0.097	
				12	0	20.49	18.34	0.068	
				12	7	20.50	18.35	0.068	
				12	13	20.59	18.44	0.070	
				25	0	20.59	18.44	0.070	
	64QAM	826.5		20425	1	0	20.68	18.53	0.071
					1	12	20.56	18.41	0.069
					1	24	20.37	18.22	0.066
12			0		19.62	17.47	0.056		
12			7		19.60	17.45	0.056		
12			13		19.56	17.41	0.055		
25			0		19.69	17.54	0.057		
836.5		20525	1	0	20.90	18.75	0.075		
			1	12	20.66	18.51	0.071		
			1	24	20.85	18.70	0.074		
			12	0	19.71	17.56	0.057		
			12	7	19.73	17.58	0.057		
			12	13	19.67	17.52	0.056		
			25	0	19.63	17.48	0.056		
846.5		20625	1	0	20.78	18.63	0.073		
			1	12	21.16	19.01	0.080		
			1	24	20.88	18.73	0.075		
			12	0	19.73	17.58	0.057		
			12	7	19.55	17.40	0.055		
			12	13	19.68	17.53	0.057		
			25	0	19.54	17.39	0.055		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	846.5	20625	5	1	0	22.51	20.36	0.109
				1	12	22.45	20.30	0.107
				1	24	22.50	20.35	0.108
				12	0	21.61	19.46	0.088
	826.5	20425		1	0	22.54	20.39	0.109
				1	12	22.46	20.31	0.107
				1	24	22.51	20.36	0.109
				12	0	21.69	19.54	0.090
				12	7	21.55	19.40	0.087
				12	13	21.56	19.41	0.087
				25	0	21.60	19.45	0.088
				1	0	22.58	20.43	0.110
	836.5	20525		1	12	22.36	20.21	0.105
				1	24	22.63	20.48	0.112
				12	0	21.57	19.42	0.087
				12	7	21.53	19.38	0.087
				12	13	21.57	19.42	0.087
				25	0	21.53	19.38	0.087
				12	7	21.55	19.40	0.087
				12	13	21.65	19.50	0.089
846.5	20625	12	7	21.55	19.40	0.087		
		25	0	21.54	19.39	0.087		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	829	20450	10	1	0	22.36	20.21	0.105
				1	25	22.61	20.46	0.111
				1	49	22.48	20.33	0.108
				25	0	20.71	18.56	0.072
				25	12	20.69	18.54	0.071
				25	25	20.59	18.44	0.070
	836.5	20525		50	0	20.65	18.50	0.071
				1	0	21.72	19.57	0.091
				1	25	21.64	19.49	0.089
				1	49	21.60	19.45	0.088
				25	0	20.58	18.43	0.070
				25	12	20.67	18.52	0.071
	844	20600		25	25	20.59	18.44	0.070
				50	0	20.52	18.37	0.069
				1	0	21.81	19.66	0.092
				1	25	21.72	19.57	0.091
				1	49	21.77	19.62	0.092
				25	0	20.58	18.43	0.070
64QAM	829	20450	25	12	20.63	18.48	0.070	
			25	25	20.65	18.50	0.071	
			50	0	20.52	18.37	0.069	
			1	0	20.87	18.72	0.074	
			1	25	20.88	18.73	0.075	
			1	49	20.62	18.47	0.070	
	836.5	20525	25	0	19.71	17.56	0.057	
			25	12	19.67	17.52	0.056	
			25	25	19.63	17.48	0.056	
			50	0	19.74	17.59	0.057	
			1	0	20.40	18.25	0.067	
			1	25	20.44	18.29	0.067	
	844	20600	1	49	20.44	18.29	0.067	
			25	0	19.60	17.45	0.056	
			25	12	19.65	17.50	0.056	
			25	25	19.65	17.50	0.056	
			50	0	19.69	17.54	0.057	
			1	0	20.37	18.22	0.066	
			1	25	20.21	18.06	0.064	
			1	49	20.19	18.04	0.064	
			25	0	19.59	17.44	0.055	
			25	12	19.53	17.38	0.055	
			25	25	19.75	17.60	0.058	
			50	0	19.56	17.41	0.055	

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	22.35	20.20	0.105
				1	25	22.50	20.35	0.108
				1	49	22.48	20.33	0.108
				25	0	21.67	19.52	0.090
				25	12	21.66	19.51	0.089
				25	25	21.58	19.43	0.088
				50	0	21.62	19.47	0.089
	836.5	20525		1	0	22.59	20.44	0.111
				1	25	22.37	20.22	0.105
				1	49	22.49	20.34	0.108
				25	0	21.54	19.39	0.087
				25	12	21.60	19.45	0.088
				25	25	21.49	19.34	0.086
				50	0	21.54	19.39	0.087
	844	20600		1	0	22.51	20.36	0.109
				1	25	22.44	20.29	0.107
				1	49	22.54	20.39	0.109
				25	0	21.55	19.40	0.087
				25	12	21.52	19.37	0.086
				25	25	21.58	19.43	0.088
				50	0	21.56	19.41	0.087