

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band41 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	---	---	-0.002	-0.002	-0.001	-0.003
-20	NV	---	---	-0.003	-0.004	-0.004	0.001
-10	NV	---	---	0.001	-0.003	0.002	0.001
0	NV	---	---	-0.003	-0.004	-0.004	0.001
+10	NV	---	---	-0.005	0.000	-0.002	-0.003
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	-0.001	-0.001	0.001	-0.006
+40	NV	---	---	0.002	0.000	0.000	-0.003
+50	NV	---	---	-0.005	-0.004	-0.002	-0.001
+20	LV	---	---	-0.003	0.000	-0.004	0.001
+20	HV	---	---	0.000	-0.001	-0.004	-0.001

Temperature(°C)	Voltage	Test Result (ppm) Band41 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	---	---	-0.009	0.000	-0.004	-0.003
-20	NV	---	---	-0.010	-0.004	-0.006	-0.004
-10	NV	---	---	-0.004	-0.001	-0.005	-0.003
0	NV	---	---	-0.010	-0.004	-0.006	-0.004
+10	NV	---	---	-0.003	-0.002	0.000	-0.004
+20	NV	---	---	0.000	0.000	0.000	0.000
+30	NV	---	---	-0.006	-0.004	-0.002	-0.004
+40	NV	---	---	-0.005	-0.001	-0.004	-0.003
+50	NV	---	---	-0.005	-0.002	-0.003	-0.004
+20	LV	---	---	-0.006	-0.003	-0.002	-0.004
+20	HV	---	---	-0.005	-0.002	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)
QPSK	2498.5	39675	5	1	0	23.46	20.56	0.114
				1	12	23.53	20.63	0.116
				1	24	23.40	20.50	0.112
				12	0	22.54	19.64	0.092
				12	7	22.47	19.57	0.091
				12	13	22.47	19.57	0.091
				25	0	21.53	18.63	0.073
	2593	40620		1	0	23.61	20.71	0.118
				1	12	23.58	20.68	0.117
				1	24	23.58	20.68	0.117
				12	0	22.62	19.72	0.094
				12	7	22.56	19.66	0.092
				12	13	22.56	19.66	0.092
				25	0	21.54	18.64	0.073
	2687.5	41565		1	0	23.32	20.42	0.110
				1	12	23.32	20.42	0.110
				1	24	23.35	20.45	0.111
				12	0	22.38	19.48	0.089
				12	7	22.42	19.52	0.090
				12	13	22.38	19.48	0.089
				25	0	21.47	18.57	0.072
16QAM	2498.5	39675	1	0	22.98	20.08	0.102	
			1	12	22.86	19.96	0.099	
			1	24	22.86	19.96	0.099	
			12	0	21.42	18.52	0.071	
			12	7	21.38	18.48	0.070	
			12	13	21.51	18.61	0.073	
			25	0	20.52	17.62	0.058	
	2593	40620	1	0	22.95	20.05	0.101	
			1	12	22.82	19.92	0.098	
			1	24	22.82	19.92	0.098	
			12	0	21.41	18.51	0.071	
			12	7	21.32	18.42	0.070	
			12	13	20.34	17.44	0.055	
			25	0	21.35	18.45	0.070	
	2687.5	41565	1	0	22.83	19.93	0.098	
			1	12	22.81	19.91	0.098	
			1	24	22.82	19.92	0.098	
			12	0	21.41	18.51	0.071	
			12	7	21.27	18.37	0.069	
			12	13	21.25	18.35	0.068	
			25	0	20.32	17.42	0.055	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2498.5	39675	5	1	0	21.56	18.66	0.073
				1	12	21.56	18.66	0.073
				1	24	21.47	18.57	0.072
				12	0	20.58	17.68	0.059
				12	7	20.49	17.59	0.057
				12	13	20.51	17.61	0.058
				25	0	19.54	16.64	0.046
	2593	40620		1	0	21.58	18.68	0.074
				1	12	21.44	18.54	0.071
				1	24	21.55	18.65	0.073
				12	0	20.44	17.54	0.057
				12	7	20.57	17.67	0.058
				12	13	20.44	17.54	0.057
				25	0	19.54	16.64	0.046
	2687.5	41565		1	0	21.83	18.93	0.078
				1	12	21.82	18.92	0.078
				1	24	21.72	18.82	0.076
				12	0	20.95	18.05	0.064
				12	7	20.81	17.91	0.062
				12	13	20.81	17.91	0.062
				25	0	19.94	17.04	0.051

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2501	39700	10	1	0	23.63	20.73	0.118
				1	25	23.48	20.58	0.114
				1	49	23.48	20.58	0.114
				25	0	22.61	19.71	0.094
				25	12	22.56	19.66	0.092
				25	25	22.55	19.65	0.092
	50	0		21.59	18.69	0.074		
	2593	40620		1	0	23.47	20.57	0.114
				1	25	23.36	20.46	0.111
				1	49	23.50	20.60	0.115
				25	0	22.69	19.79	0.095
				25	12	22.57	19.67	0.093
				25	25	22.63	19.73	0.094
	2685	41540		50	0	21.59	18.69	0.074
				1	0	23.42	20.52	0.113
				1	25	23.42	20.52	0.113
				1	49	23.42	20.52	0.113
				25	0	22.40	19.50	0.089
25			12	22.51	19.61	0.091		
16QAM	2501	39700	25	25	22.50	19.60	0.091	
			50	0	21.43	18.53	0.071	
			1	0	22.94	20.04	0.101	
			1	25	22.81	19.91	0.098	
			1	49	22.81	19.91	0.098	
			25	0	21.63	18.73	0.075	
	2593	40620	25	12	21.63	18.73	0.075	
			25	25	21.60	18.70	0.074	
			50	0	20.62	17.72	0.059	
			1	0	22.60	19.70	0.093	
			1	25	22.65	19.75	0.094	
			1	49	22.85	19.95	0.099	
	2685	41540	25	0	21.71	18.81	0.076	
			25	12	21.55	18.65	0.073	
			25	25	21.59	18.69	0.074	
			50	0	20.56	17.66	0.058	
			1	0	22.49	19.59	0.091	
			1	25	22.47	19.57	0.091	
			1	49	22.43	19.53	0.090	
			25	0	21.45	18.55	0.072	
			25	12	21.51	18.61	0.073	
			25	25	21.51	18.61	0.073	
			50	0	20.41	17.51	0.056	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	2501	39700	10	1	0	21.53	18.63	0.073	
				1	25	21.58	18.68	0.074	
				1	49	21.53	18.63	0.073	
				25	0	20.65	17.75	0.060	
				25	12	20.53	17.63	0.058	
				25	25	20.61	17.71	0.059	
	2593	40620		50	0	19.57	16.67	0.046	
				1	0	21.63	18.73	0.075	
				1	25	21.59	18.69	0.074	
				1	49	21.56	18.66	0.073	
				25	0	20.57	17.67	0.058	
				25	12	20.67	17.77	0.060	
	2685	41540		25	25	20.57	17.67	0.058	
				50	0	19.56	16.66	0.046	
				1	0	21.44	18.54	0.071	
				1	25	21.43	18.53	0.071	
				1	49	21.51	18.61	0.073	
				25	0	20.45	17.55	0.057	
					25	12	20.43	17.53	0.057
					25	25	20.47	17.57	0.057
					50	0	19.47	16.57	0.045

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2503.5	39725	15	1	0	23.45	20.55	0.114
				1	37	23.25	20.35	0.108
				1	74	23.17	20.27	0.106
				36	0	22.40	19.50	0.089
				36	29	22.49	19.59	0.091
				36	30	22.47	19.57	0.091
				75	0	21.47	18.57	0.072
	1	0		23.46	20.56	0.114		
	1	37		23.42	20.52	0.113		
	1	74		23.49	20.59	0.115		
	36	0		22.48	19.58	0.091		
	36	29		22.54	19.64	0.092		
	36	30		22.61	19.71	0.094		
	75	0		21.58	18.68	0.074		
	1	0		23.44	20.54	0.113		
	1	37		23.38	20.48	0.112		
	1	74		23.34	20.44	0.111		
	36	0		22.52	19.62	0.092		
	36	29		22.47	19.57	0.091		
	36	30		22.43	19.53	0.090		
	75	0		21.52	18.62	0.073		
16QAM	2503.5	39725	1	0	22.82	19.92	0.098	
			1	37	22.61	19.71	0.094	
			1	74	22.64	19.74	0.094	
			36	0	21.56	18.66	0.073	
			36	29	21.48	18.58	0.072	
			36	30	21.55	18.65	0.073	
			75	0	20.56	17.66	0.058	
	1	0	22.61	19.71	0.094			
	1	37	22.68	19.78	0.095			
	1	74	22.71	19.81	0.096			
	36	0	21.56	18.66	0.073			
	36	29	21.59	18.69	0.074			
	36	30	21.52	18.62	0.073			
	75	0	20.58	17.68	0.059			
	1	0	22.66	19.76	0.095			
	1	37	22.47	19.57	0.091			
	1	74	22.47	19.57	0.091			
	36	0	21.47	18.57	0.072			
	36	29	21.50	18.60	0.072			
	36	30	21.55	18.65	0.073			
	75	0	20.49	17.59	0.057			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2503.5	39725	15	1	0	21.53	18.63	0.073
				1	37	21.61	18.71	0.074
				1	74	21.65	18.75	0.075
				36	0	20.53	17.63	0.058
				36	29	20.53	17.63	0.058
				36	30	20.53	17.63	0.058
				75	0	19.61	16.71	0.047
	2593	40620		1	0	21.59	18.69	0.074
				1	37	21.59	18.69	0.074
				1	74	21.58	18.68	0.074
				36	0	20.58	17.68	0.059
				36	29	20.58	17.68	0.059
				36	30	20.58	17.68	0.059
				75	0	19.59	16.69	0.047
	2682.5	41515		1	0	21.52	18.62	0.073
				1	37	21.57	18.67	0.074
				1	74	21.53	18.63	0.073
				36	0	20.50	17.60	0.058
				36	29	20.52	17.62	0.058
				36	30	20.48	17.58	0.057
				75	0	19.49	16.59	0.046

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2506	39750	20	1	0	23.43	20.53	0.113
				1	49	23.31	20.41	0.110
				1	99	23.31	20.41	0.110
				50	0	22.53	19.63	0.092
				50	24	22.54	19.64	0.092
				50	50	22.46	19.56	0.090
	100	0		21.52	18.62	0.073		
	1	0		23.61	20.71	0.118		
	1	49		23.54	20.64	0.116		
	1	99		23.54	20.64	0.116		
	50	0		22.54	19.64	0.092		
	50	24		22.60	19.70	0.093		
	50	50		22.60	19.70	0.093		
	100	0		21.65	18.75	0.075		
	1	0		23.55	20.65	0.116		
	1	49		23.48	20.58	0.114		
	1	99		23.47	20.57	0.114		
	50	0		22.53	19.63	0.092		
50	24	22.56	19.66	0.092				
50	50	22.54	19.64	0.092				
100	0	21.48	18.58	0.072				
16QAM	2506	39750	20	1	0	22.73	19.83	0.096
				1	49	22.54	19.64	0.092
				1	99	22.57	19.67	0.093
				50	0	21.54	18.64	0.073
				50	24	21.48	18.58	0.072
				50	50	21.53	18.63	0.073
	100	0		20.57	17.67	0.058		
	1	0		22.70	19.80	0.095		
	1	49		22.61	19.71	0.094		
	1	99		22.61	19.71	0.094		
	50	0		21.54	18.64	0.073		
	50	24		21.51	18.61	0.073		
	50	50		21.58	18.68	0.074		
	100	0		20.63	17.73	0.059		
	1	0		22.72	19.82	0.096		
	1	49		22.69	19.79	0.095		
	1	99		22.70	19.80	0.095		
	50	0		21.54	18.64	0.073		
50	24	21.58	18.68	0.074				
50	50	21.59	18.69	0.074				
100	0	20.45	17.55	0.057				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2506	39750	20	1	0	21.57	18.67	0.074
				1	49	21.54	18.64	0.073
				1	99	21.56	18.66	0.073
				50	0	20.56	17.66	0.058
				50	24	20.57	17.67	0.058
				50	50	20.56	17.66	0.058
				100	0	19.56	16.66	0.046
	2593	40620		1	0	21.57	18.67	0.074
				1	49	21.59	18.69	0.074
				1	99	21.63	18.73	0.075
				50	0	20.66	17.76	0.060
				50	24	20.57	17.67	0.058
				50	50	20.57	17.67	0.058
				100	0	19.68	16.78	0.048
	2680	41490		1	0	21.55	18.65	0.073
				1	49	21.51	18.61	0.073
				1	99	21.52	18.62	0.073
				50	0	20.54	17.64	0.058
				50	24	20.51	17.61	0.058
				50	50	20.51	17.61	0.058
				100	0	19.54	16.64	0.046