

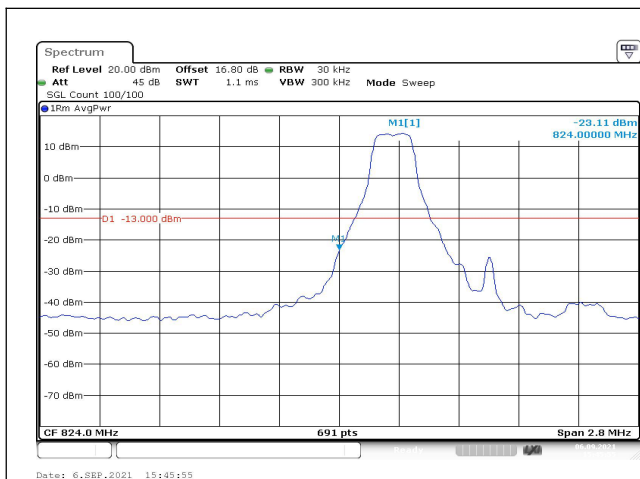


Fig.1

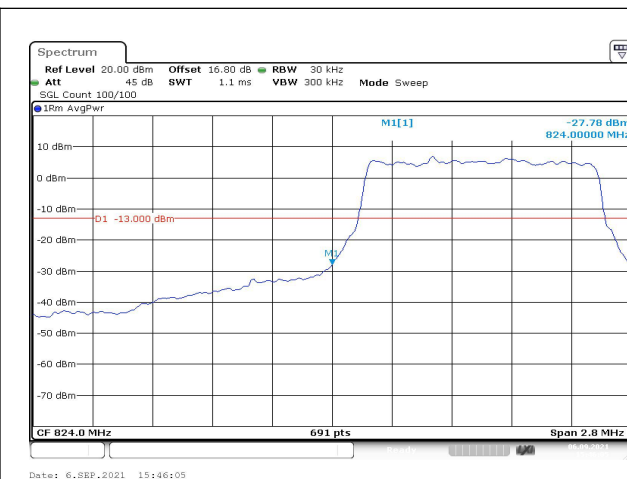


Fig.2

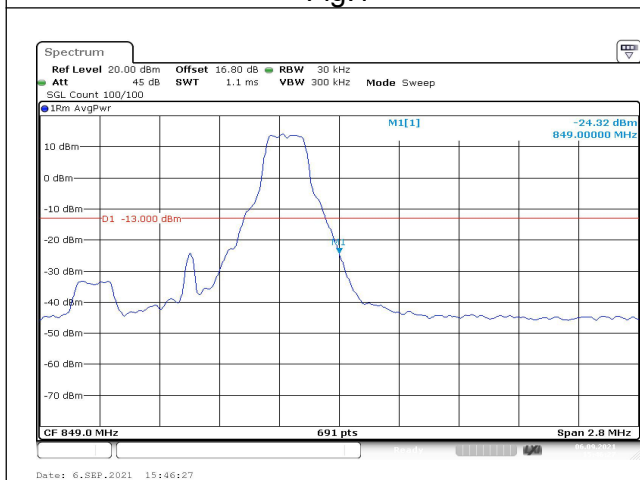


Fig.3

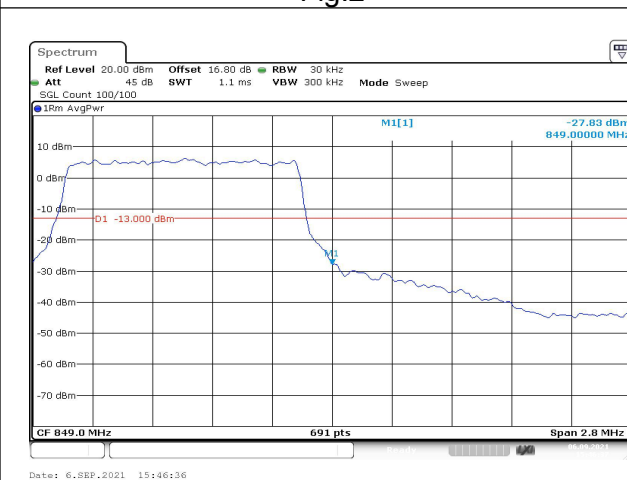


Fig.4

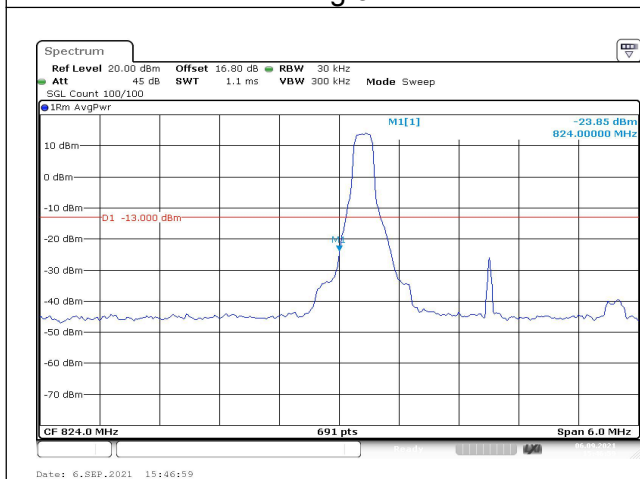


Fig.5

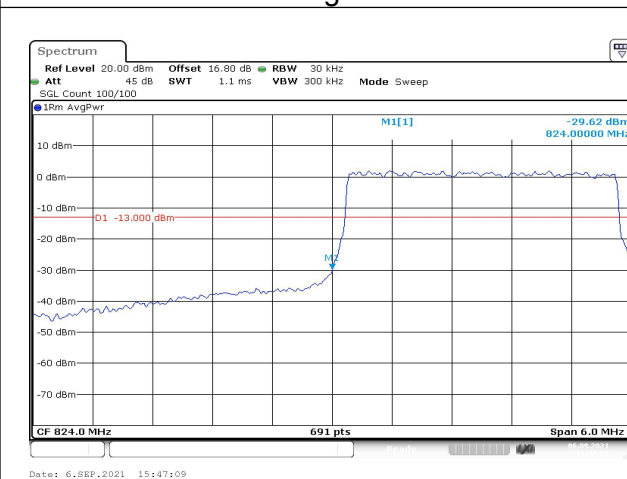


Fig.6

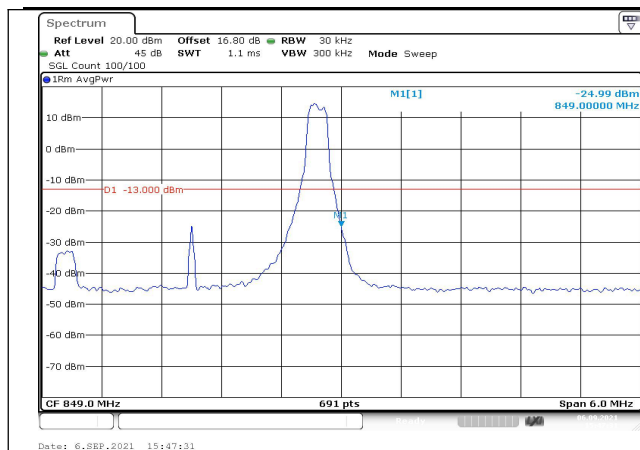


Fig.7

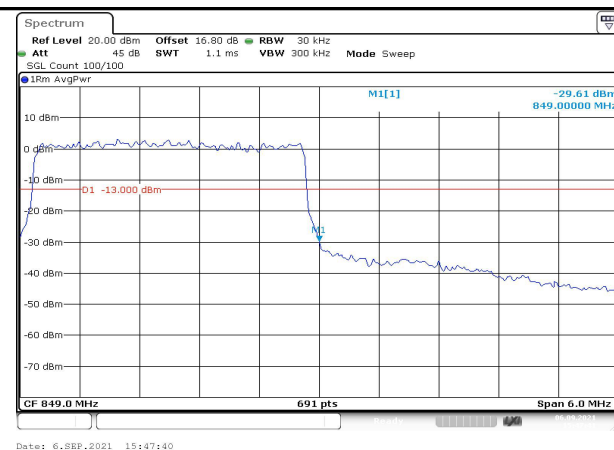


Fig.8

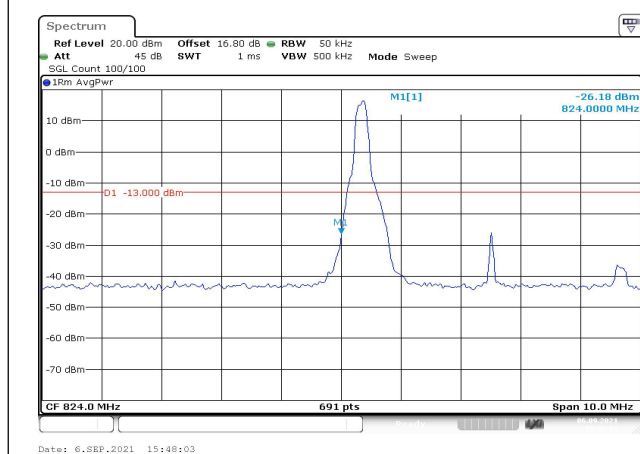


Fig.9

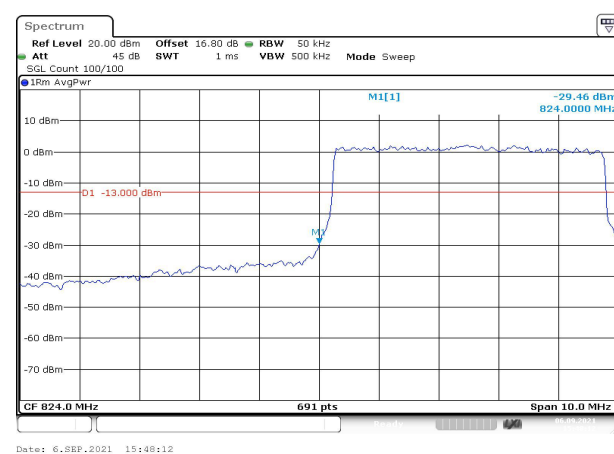


Fig.10

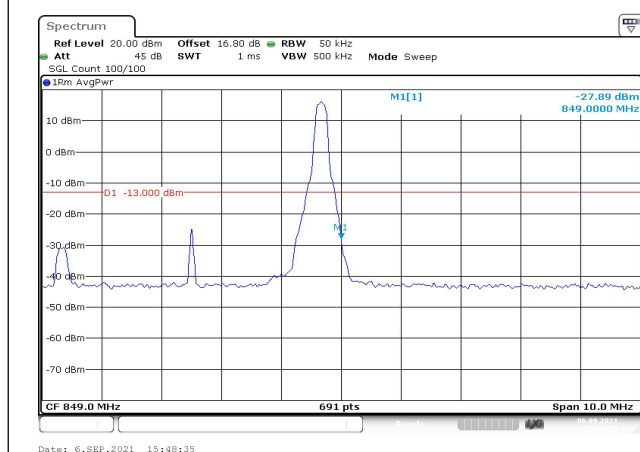


Fig.11

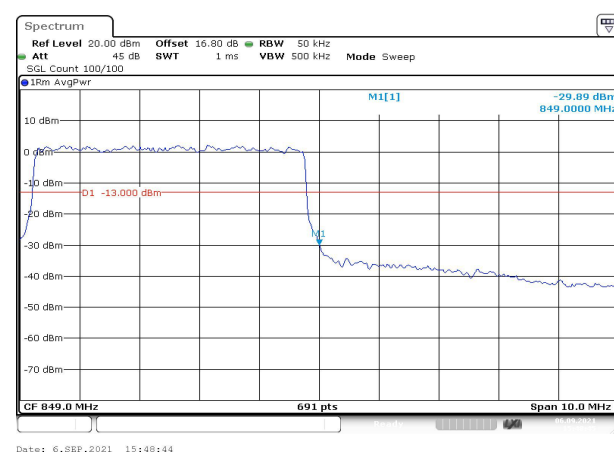


Fig.12

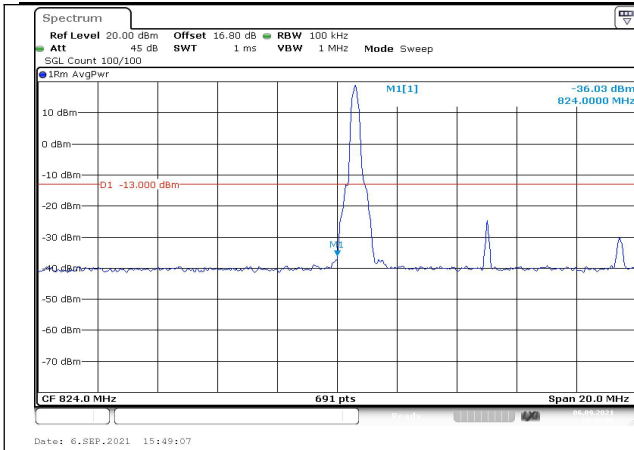


Fig.13

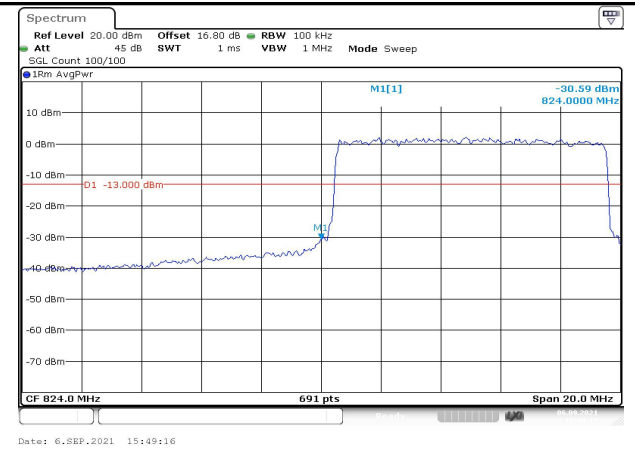


Fig.14

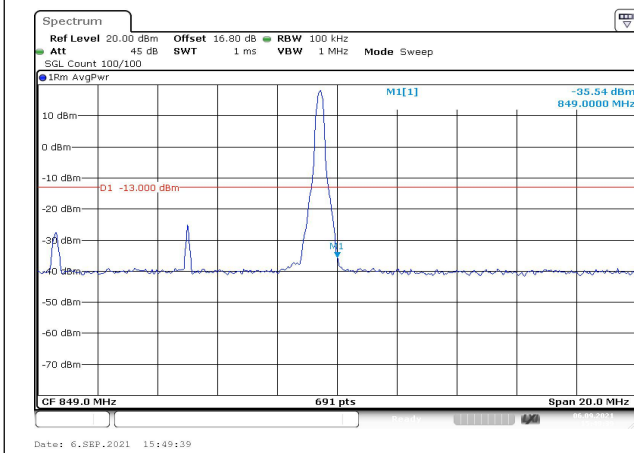


Fig.15

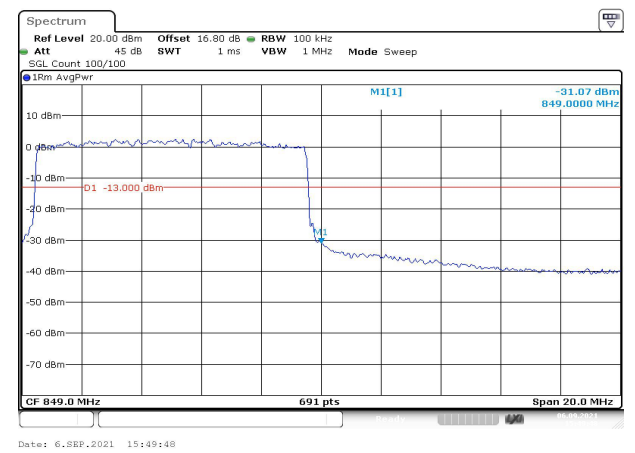


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.002	0.000	-1.209	0.000	---	---
-20	NV	0.000	0.001	-1.209	0.002	---	---
-10	NV	0.000	-0.001	-1.209	-1.205	---	---
0	NV	-0.002	0.002	-1.209	0.001	---	---
+10	NV	-0.003	0.000	-0.001	-0.001	---	---
+20	NV	-0.002	0.001	-1.209	0.001	---	---
+30	NV	-0.002	-0.001	-0.002	-0.002	---	---
+40	NV	-0.002	0.003	-1.209	-1.205	---	---
+50	NV	-0.001	0.000	0.000	0.000	---	---
+20	LV	-0.002	0.003	-0.002	0.000	---	---
+20	HV	-0.001	0.001	0.000	0.001	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	0.000	0.001	0.000	0.000	---	---
-20	NV	0.001	0.000	0.002	0.002	---	---
-10	NV	0.001	-0.001	0.001	0.000	---	---
0	NV	0.003	0.001	0.002	-0.002	---	---
+10	NV	-0.001	-0.002	-0.001	-0.002	---	---
+20	NV	0.000	-0.001	0.000	0.001	---	---
+30	NV	-0.002	-0.003	0.000	-0.002	---	---
+40	NV	-0.001	-0.002	0.000	-0.003	---	---
+50	NV	-0.001	-0.001	0.000	-0.001	---	---
+20	LV	0.000	-0.001	0.001	0.000	---	---
+20	HV	0.000	0.001	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	824.7	20407	1.4	1	0	22.56	20.91	0.123
				1	3	22.60	20.95	0.124
				1	5	22.46	20.81	0.121
				3	0	22.66	21.01	0.126
				3	1	22.56	20.91	0.123
				3	3	22.52	20.87	0.122
	6	0		21.59	19.94	0.099		
	848.3	20643		1	0	22.74	21.09	0.129
				1	3	22.90	21.25	0.133
				1	5	22.81	21.16	0.131
				3	0	23.03	21.38	0.137
				3	1	23.04	21.39	0.138
				3	3	22.96	21.31	0.135
				6	0	21.97	20.32	0.108
16QAM				824.7	20407	1	0	21.62
	1	3				21.29	19.64	0.092
	1	5				21.36	19.71	0.094
	3	0				21.48	19.83	0.096
	3	1				21.61	19.96	0.099
	3	3				21.61	19.96	0.099
	6	0		20.76	19.11	0.081		
	848.3	20643		1	0	22.32	20.67	0.117
				1	3	22.51	20.86	0.122
				1	5	22.47	20.82	0.121
				3	0	21.85	20.20	0.105
				3	1	21.67	20.02	0.100
				3	3	21.59	19.94	0.099
				6	0	21.02	19.37	0.086

Modulation	Carrier frequen cy (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	21.90	20.25	0.106
				1	3	21.91	20.26	0.106
				1	5	21.70	20.05	0.101
				3	0	21.70	20.05	0.101
				3	1	21.58	19.93	0.098
				3	3	21.64	19.99	0.100
	848.3	20643		6	0	20.76	19.11	0.081
				1	0	21.69	20.04	0.101
				1	3	22.21	20.56	0.114
				1	5	22.02	20.37	0.109
				3	0	21.90	20.25	0.106
				3	1	21.63	19.98	0.100
				3	3	21.56	19.91	0.098
				6	0	20.90	19.25	0.084

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	22.79	21.14	0.130	
				1	8	22.71	21.06	0.128	
				1	14	22.90	21.25	0.133	
				8	0	21.86	20.21	0.105	
				8	4	21.84	20.19	0.104	
				8	7	21.86	20.21	0.105	
				15	0	21.84	20.19	0.104	
	836.5	20525		1	0	22.88	21.23	0.133	
				1	8	22.87	21.22	0.132	
				1	14	22.97	21.32	0.136	
				8	0	21.87	20.22	0.105	
				8	4	21.86	20.21	0.105	
				8	7	21.88	20.23	0.105	
				15	0	21.84	20.19	0.104	
	847.5	20635		1	0	23.10	21.45	0.140	
				1	8	23.03	21.38	0.137	
				1	14	23.12	21.47	0.140	
				8	0	22.02	20.37	0.109	
				8	4	22.04	20.39	0.109	
				8	7	21.94	20.29	0.107	
				15	0	22.01	20.36	0.109	
	16QAM	825.5		20415	1	0	22.43	20.78	0.120
					1	8	22.35	20.70	0.117
					1	14	22.54	20.89	0.123
8					0	21.29	19.64	0.092	
8					4	21.28	19.63	0.092	
8					7	21.34	19.69	0.093	
15					0	20.97	19.32	0.086	
836.5		20525		1	0	21.88	20.23	0.105	
				1	8	21.82	20.17	0.104	
				1	14	21.96	20.31	0.107	
				8	0	20.73	19.08	0.081	
				8	4	20.73	19.08	0.081	
				8	7	20.58	18.93	0.078	
				15	0	20.75	19.10	0.081	
847.5		20635		1	0	22.23	20.58	0.114	
				1	8	22.16	20.51	0.112	
				1	14	21.97	20.32	0.108	
				8	0	20.84	19.19	0.083	
				8	4	20.72	19.07	0.081	
				8	7	20.67	19.02	0.080	
				15	0	20.87	19.22	0.084	

Modulation	Carrier frequern cy (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	22.37	20.72	0.118
				1	8	21.66	20.01	0.100
				1	14	21.84	20.19	0.104
				8	0	20.93	19.28	0.085
				8	4	20.95	19.30	0.085
				8	7	21.05	19.40	0.087
				15	0	20.83	19.18	0.083
	836.5	20525		1	0	22.33	20.68	0.117
				1	8	21.80	20.15	0.104
				1	14	22.18	20.53	0.113
				8	0	20.66	19.01	0.080
				8	4	20.83	19.18	0.083
				8	7	20.87	19.22	0.084
				15	0	20.82	19.17	0.083
	847.5	20635		1	0	22.13	20.48	0.112
				1	8	21.70	20.05	0.101
				1	14	21.49	19.84	0.096
				8	0	20.72	19.07	0.081
				8	4	20.64	18.99	0.079
				8	7	20.72	19.07	0.081
				15	0	20.67	19.02	0.080

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	22.29	20.64	0.116
				1	12	22.55	20.90	0.123
				1	24	22.37	20.72	0.118
				12	0	21.67	20.02	0.100
				12	7	21.83	20.18	0.104
				12	13	21.77	20.12	0.103
	25	0		21.79	20.14	0.103		
	836.5	20525		1	0	22.63	20.98	0.125
				1	12	23.09	21.44	0.139
				1	24	22.92	21.27	0.134
				12	0	21.86	20.21	0.105
				12	7	21.89	20.24	0.106
				12	13	21.82	20.17	0.104
	25	0		21.78	20.13	0.103		
	846.5	20625		1	0	22.81	21.16	0.131
				1	12	22.97	21.32	0.136
				1	24	22.75	21.10	0.129
				12	0	21.76	20.11	0.103
				12	7	21.95	20.30	0.107
				12	13	21.81	20.16	0.104
	25	0		21.70	20.05	0.101		
16QAM	826.5	20425		1	0	21.37	19.72	0.094
				1	12	21.51	19.86	0.097
				1	24	21.38	19.73	0.094
				12	0	20.62	18.97	0.079
				12	7	20.72	19.07	0.081
				12	13	20.90	19.25	0.084
	25	0	20.90	19.25	0.084			
	836.5	20525	1	0	21.64	19.99	0.100	
			1	12	21.74	20.09	0.102	
			1	24	21.65	20.00	0.100	
			12	0	20.56	18.91	0.078	
			12	7	20.71	19.06	0.081	
			12	13	20.66	19.01	0.080	
	25	0	20.77	19.12	0.082			
	846.5	20625	1	0	21.68	20.03	0.101	
			1	12	21.88	20.23	0.105	
			1	24	21.58	19.93	0.098	
			12	0	20.75	19.10	0.081	
			12	7	20.88	19.23	0.084	
			12	13	20.56	18.91	0.078	
	25	0	20.76	19.11	0.081			

Modulation	Carrier frequern cy (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	22.03	20.38	0.109
				1	12	22.08	20.43	0.110
				1	24	21.87	20.22	0.105
				12	0	20.63	18.98	0.079
				12	7	20.72	19.07	0.081
				12	13	20.70	19.05	0.080
				25	0	20.92	19.27	0.085
	836.5	20525		1	0	21.51	19.86	0.097
				1	12	22.10	20.45	0.111
				1	24	22.04	20.39	0.109
				12	0	20.73	19.08	0.081
				12	7	20.72	19.07	0.081
				12	13	20.74	19.09	0.081
				25	0	20.91	19.26	0.084
	846.5	20625		1	0	21.72	20.07	0.102
				1	12	22.53	20.88	0.122
				1	24	21.92	20.27	0.106
				12	0	20.62	18.97	0.079
				12	7	20.74	19.09	0.081
				12	13	20.60	18.95	0.079
				25	0	20.80	19.15	0.082

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	829	20450	10	1	0	22.92	21.27	0.134	
				1	25	22.98	21.33	0.136	
				1	49	22.76	21.11	0.129	
				25	0	21.98	20.33	0.108	
				25	12	21.89	20.24	0.106	
				25	25	21.89	20.24	0.106	
	50	0		21.92	20.27	0.106			
	836.5	20525		1	0	23.11	21.46	0.140	
				1	25	23.05	21.40	0.138	
				1	49	23.24	21.59	0.144	
				25	0	22.02	20.37	0.109	
				25	12	22.01	20.36	0.109	
				25	25	22.06	20.41	0.110	
	50	0		21.99	20.34	0.108			
	844	20600		1	0	23.14	21.49	0.141	
				1	25	23.12	21.47	0.140	
				1	49	22.99	21.34	0.136	
				25	0	21.90	20.25	0.106	
				25	12	22.00	20.35	0.108	
				25	25	21.99	20.34	0.108	
	50	0		21.98	20.33	0.108			
	16QAM	829		20450	1	0	22.24	20.59	0.115
					1	25	22.38	20.73	0.118
					1	49	22.02	20.37	0.109
25					0	20.78	19.13	0.082	
25					12	20.73	19.08	0.081	
25					25	20.68	19.03	0.080	
50		0		20.70	19.05	0.080			
836.5		20525		1	0	22.03	20.38	0.109	
				1	25	21.96	20.31	0.107	
				1	49	22.04	20.39	0.109	
				25	0	20.96	19.31	0.085	
				25	12	20.90	19.25	0.084	
				25	25	20.97	19.32	0.086	
50		0		20.76	19.11	0.081			
844		20600		1	0	22.31	20.66	0.116	
				1	25	22.34	20.69	0.117	
				1	49	22.01	20.36	0.109	
				25	0	20.98	19.33	0.086	
				25	12	21.05	19.40	0.087	
				25	25	20.98	19.33	0.086	
50		0		20.92	19.27	0.085			

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	829	20450	10	1	0	22.19	20.54	0.113
				1	25	22.36	20.71	0.118
				1	49	22.10	20.45	0.111
				25	0	21.05	19.40	0.087
				25	12	20.87	19.22	0.084
				25	25	20.96	19.31	0.085
				50	0	20.97	19.32	0.086
	836.5	20525		1	0	22.07	20.42	0.110
				1	25	21.81	20.16	0.104
				1	49	22.13	20.48	0.112
				25	0	21.12	19.47	0.089
				25	12	20.96	19.31	0.085
				25	25	21.03	19.38	0.087
				50	0	20.99	19.34	0.086
	844	20600		1	0	22.36	20.71	0.118
				1	25	21.84	20.19	0.104
				1	49	21.21	19.56	0.090
				25	0	20.81	19.16	0.082
				25	12	20.97	19.32	0.086
				25	25	20.88	19.23	0.084
				50	0	20.94	19.29	0.085