

Fig.55

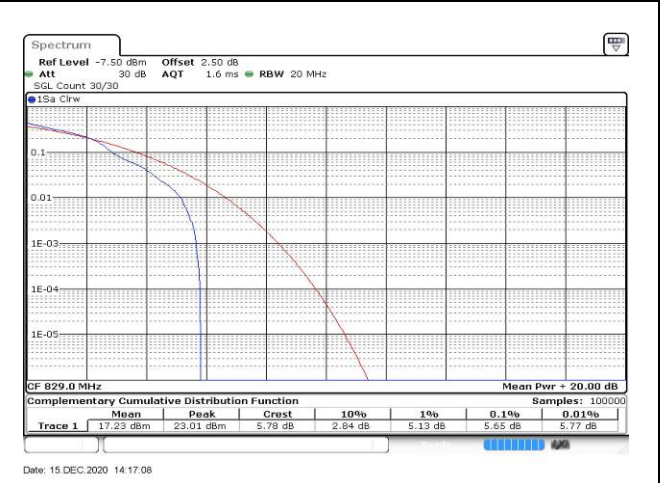


Fig.56

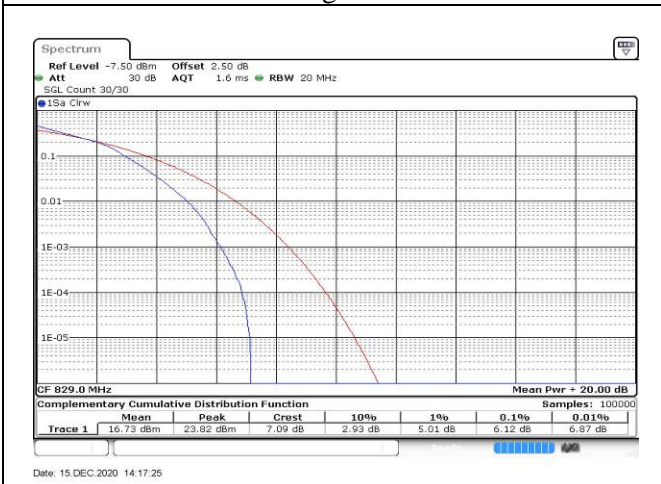


Fig.57

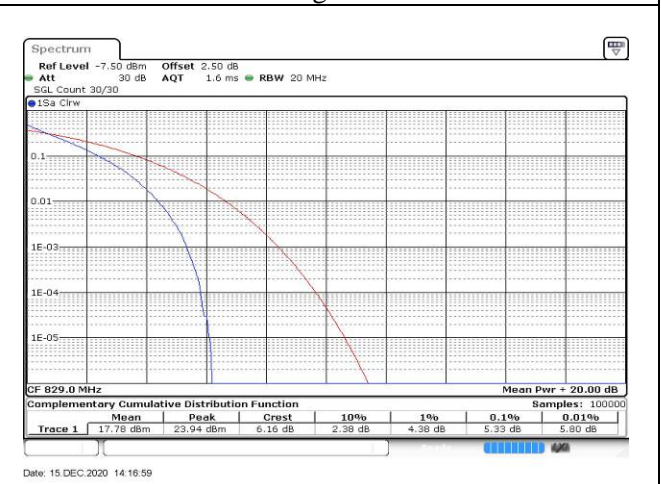


Fig.58

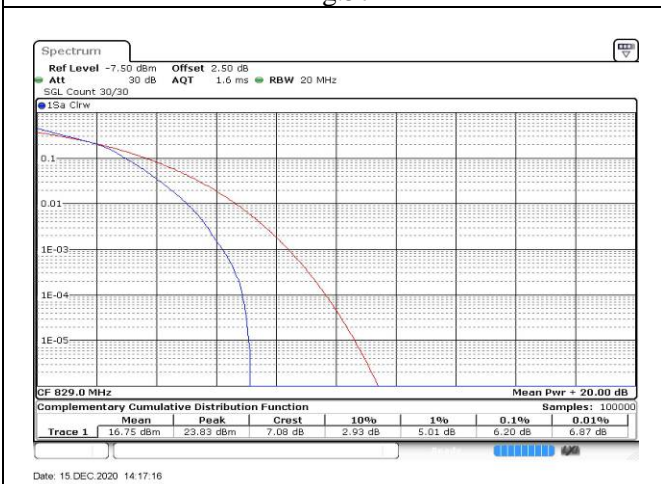


Fig.59

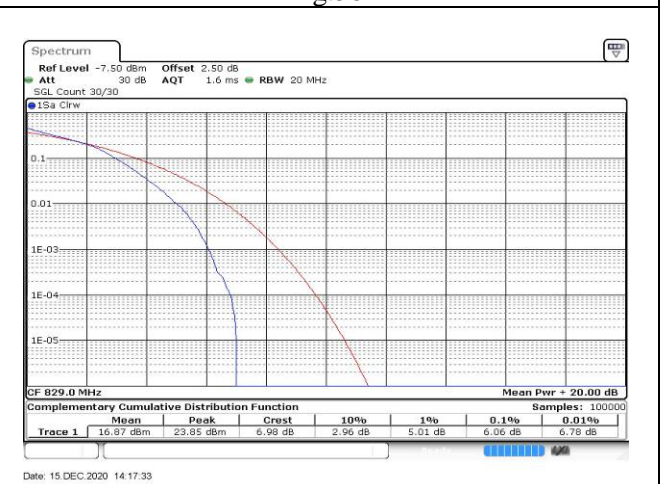


Fig.60

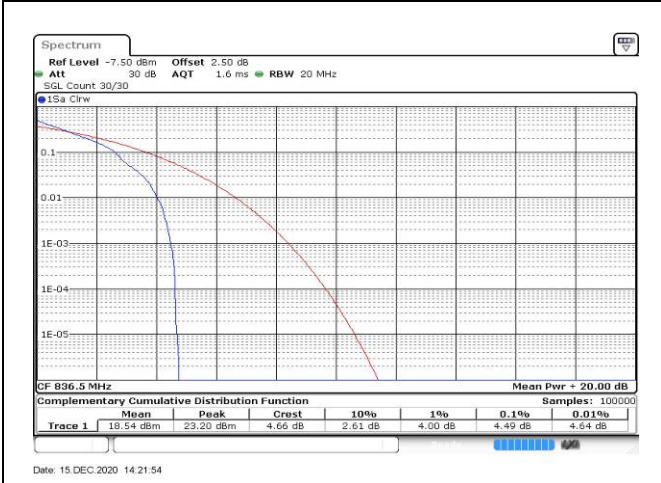


Fig.61

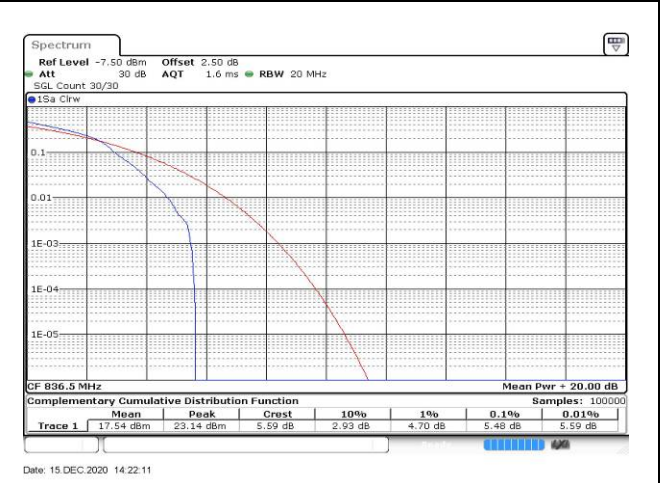


Fig.62

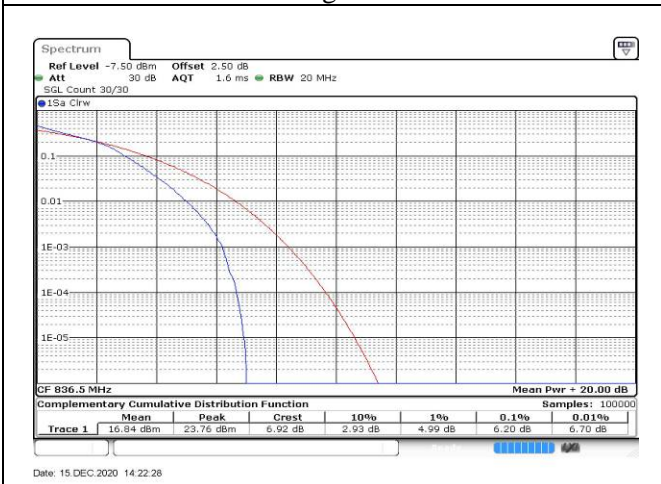


Fig.63

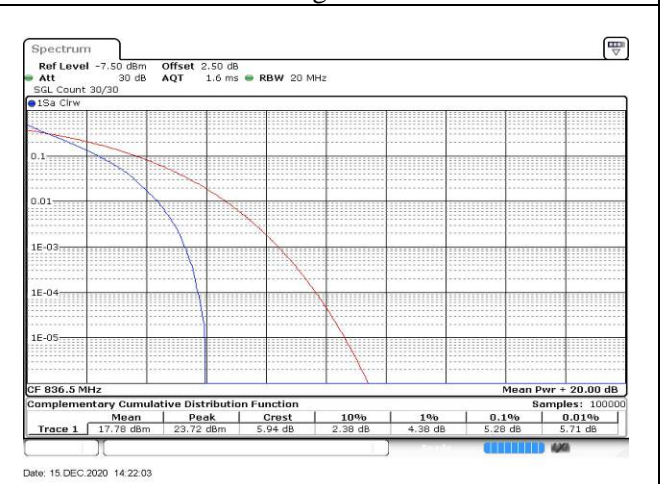


Fig.64

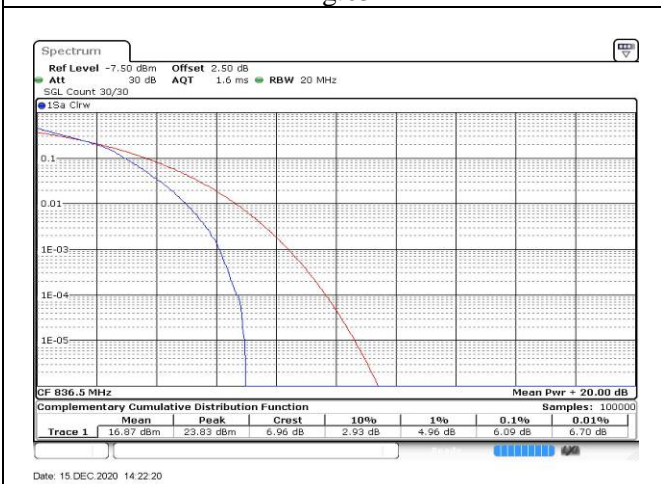


Fig.65

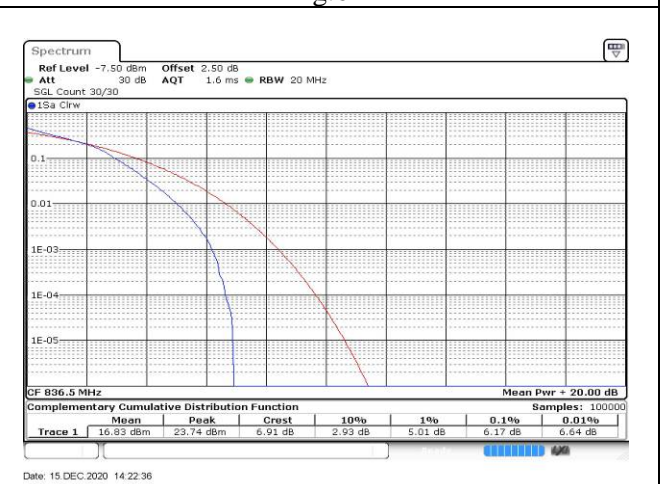


Fig.66

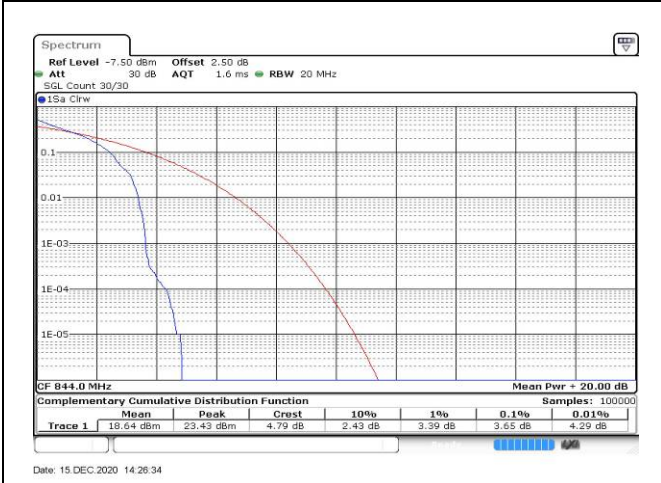


Fig.67

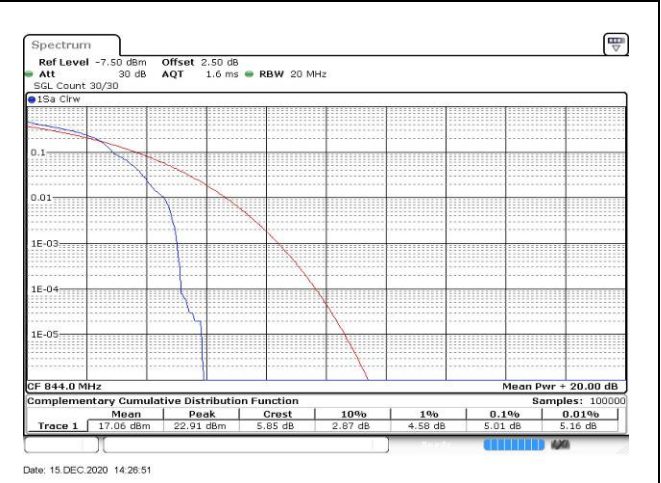


Fig.68

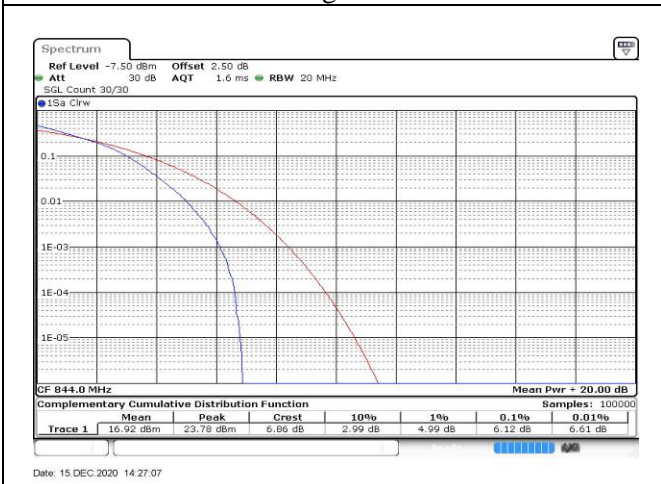


Fig.69

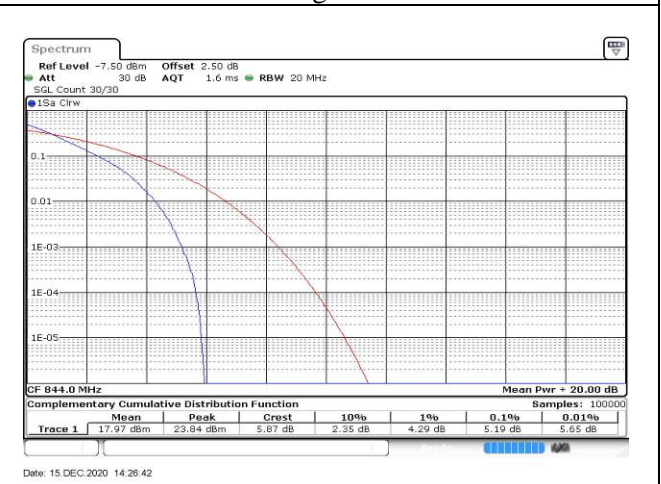


Fig.70

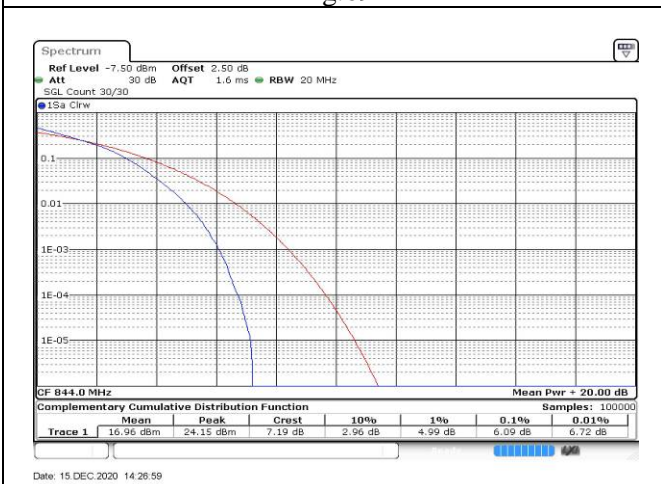


Fig.71

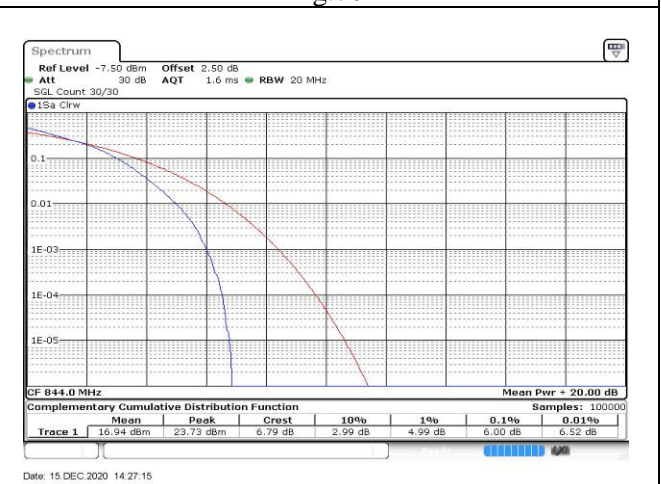


Fig.72

### 5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
	836.5	20525		1	0	Fig.2
	844	20600		1	0	Fig.3

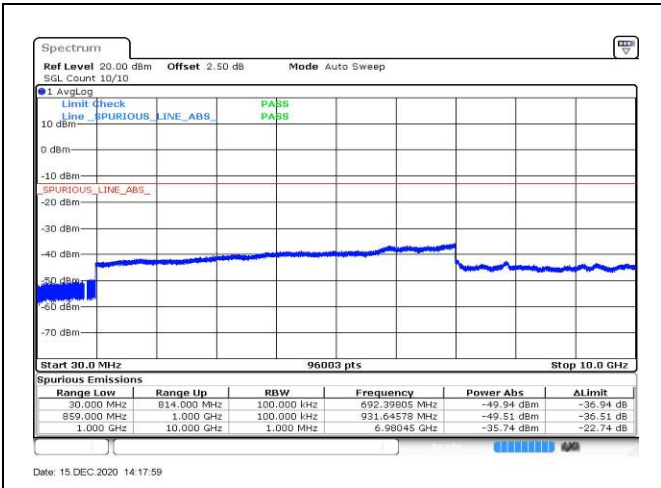


Fig.1

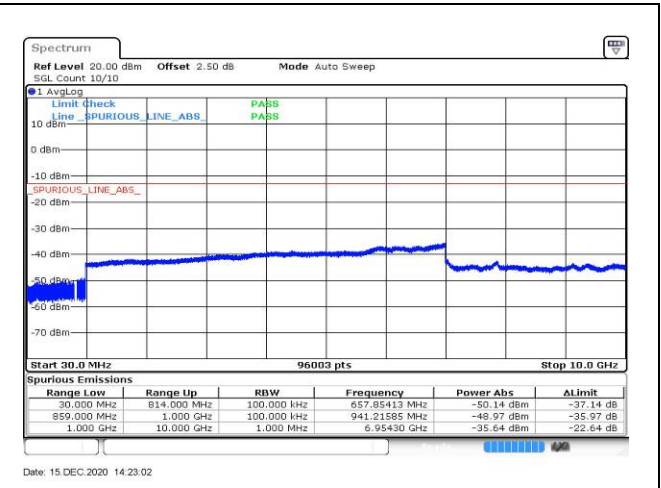


Fig.2

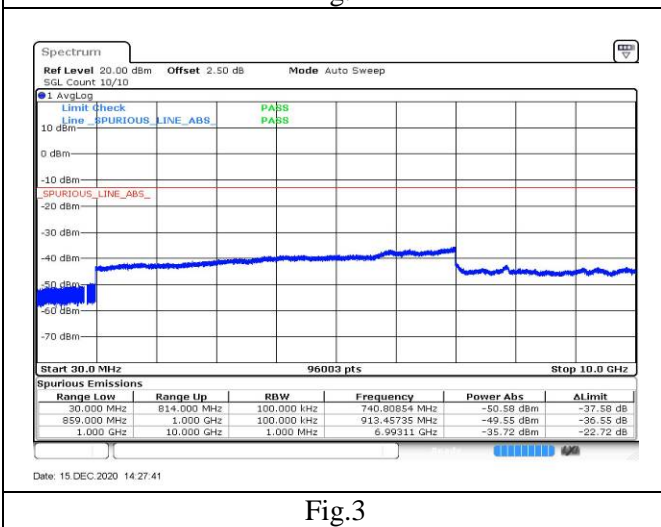


Fig.3

## 6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
5	824.7	20407	1.4	1	0	Fig.1
				6	0	Fig.2
	848.3	20643		1	5	Fig.3
				6	0	Fig.4
	825.5	20415	3	1	0	Fig.5
				15	0	Fig.6
	847.5	20635		1	14	Fig.7
				15	0	Fig.8
	826.5	20425	5	1	0	Fig.9
				25	0	Fig.10
	846.5	20625		1	24	Fig.11
				25	0	Fig.12
	829	20450	10	1	0	Fig.13
				50	0	Fig.14
	844	20600		1	49	Fig.15
				50	0	Fig.16



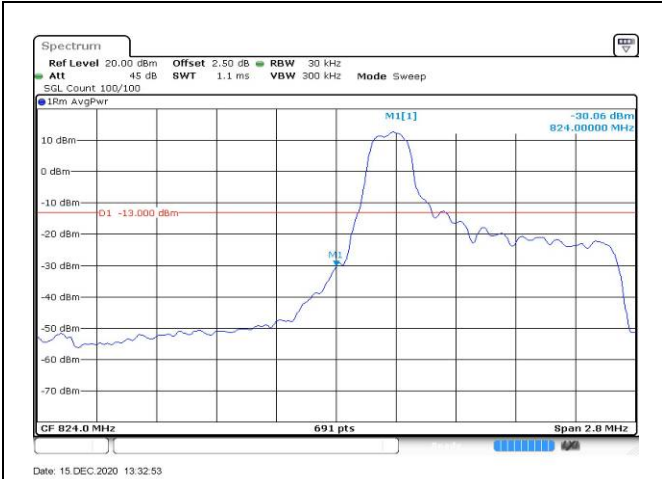


Fig.1

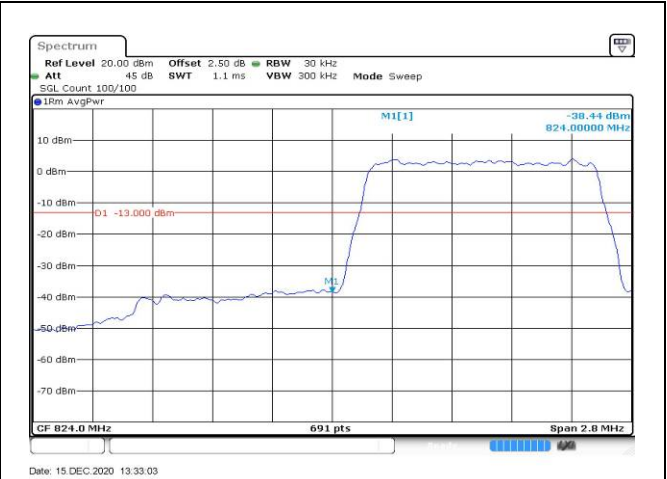


Fig.2

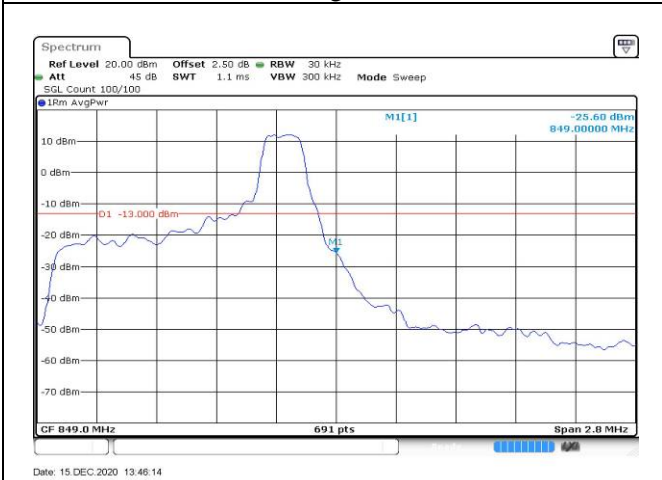


Fig.3

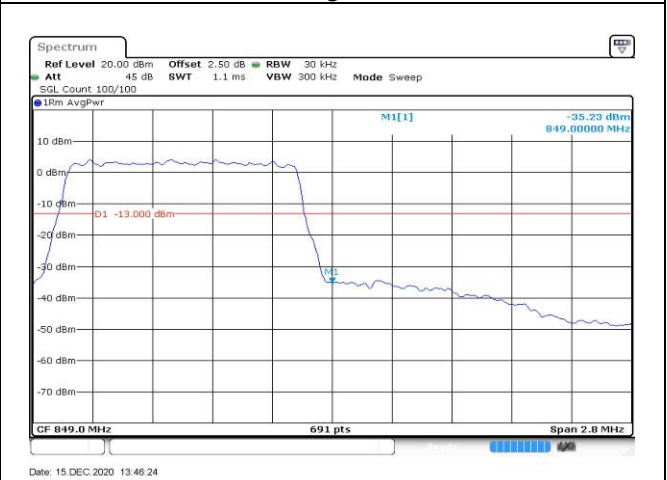


Fig.4

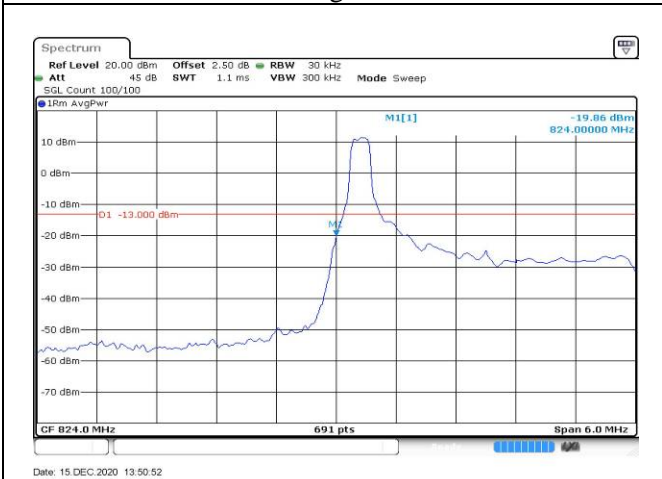


Fig.5

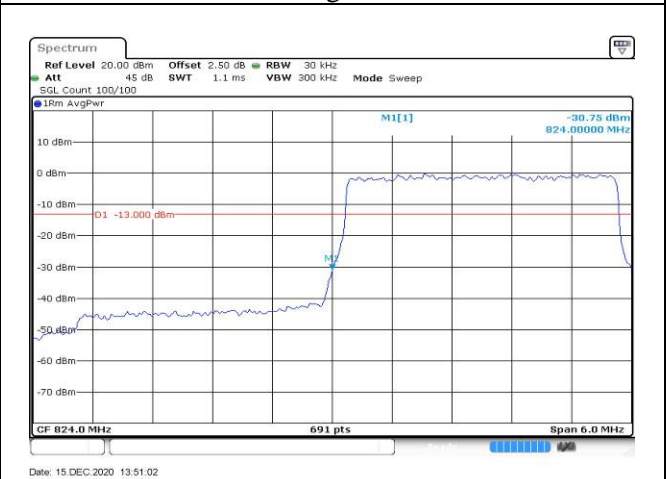


Fig.6

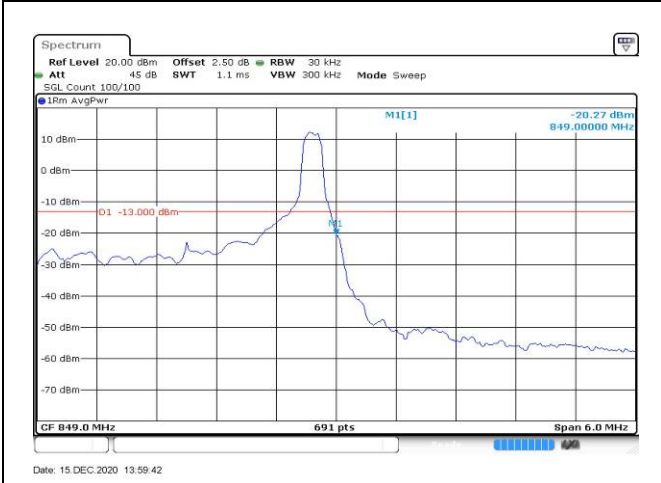


Fig.7

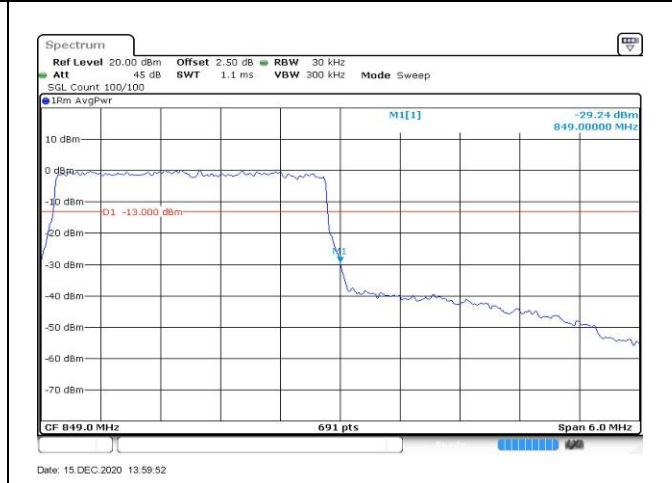


Fig.8

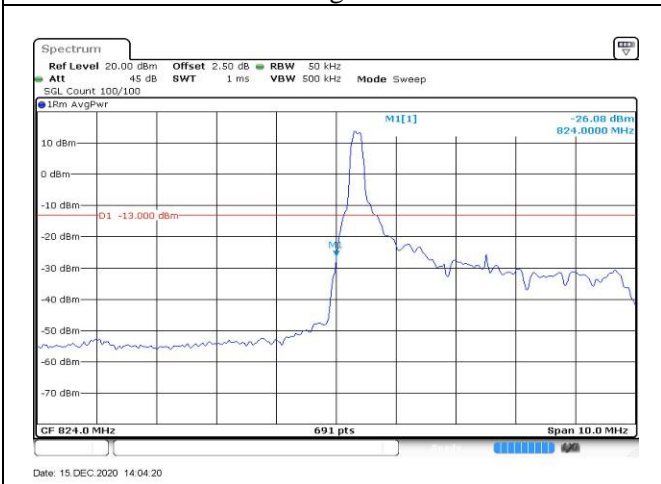


Fig.9

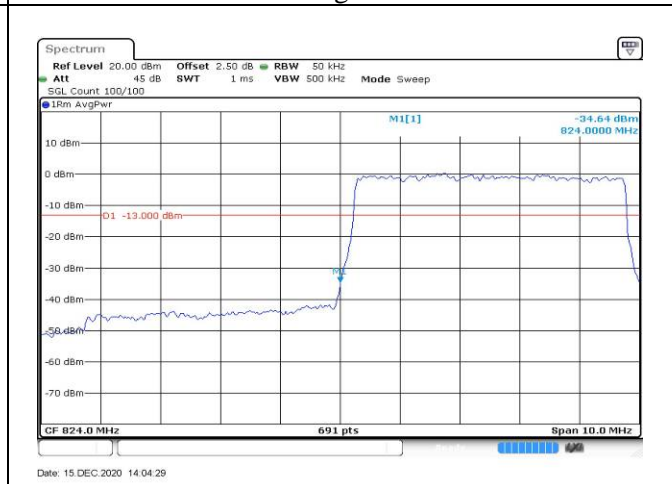


Fig.10

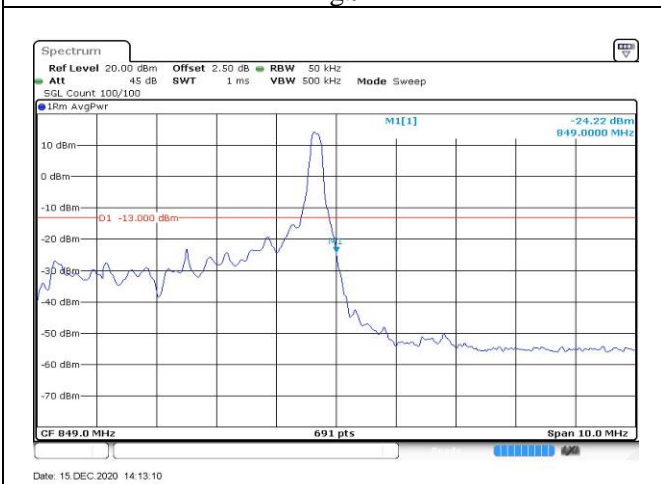


Fig.11

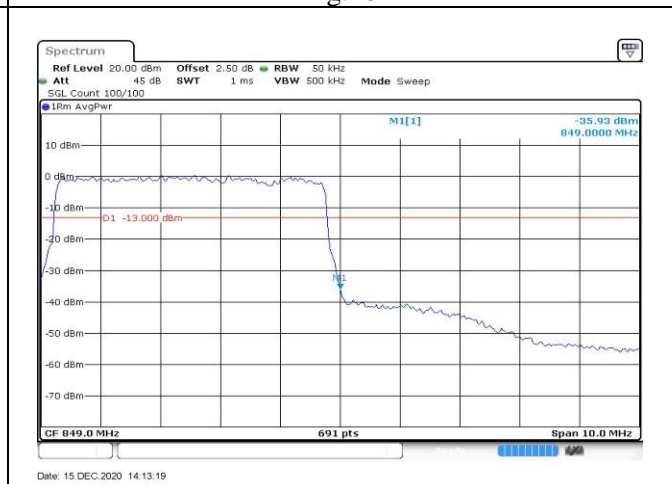


Fig.12

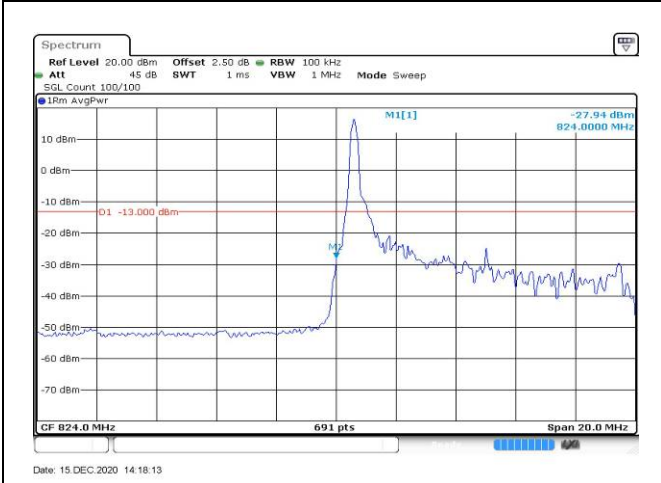


Fig.13

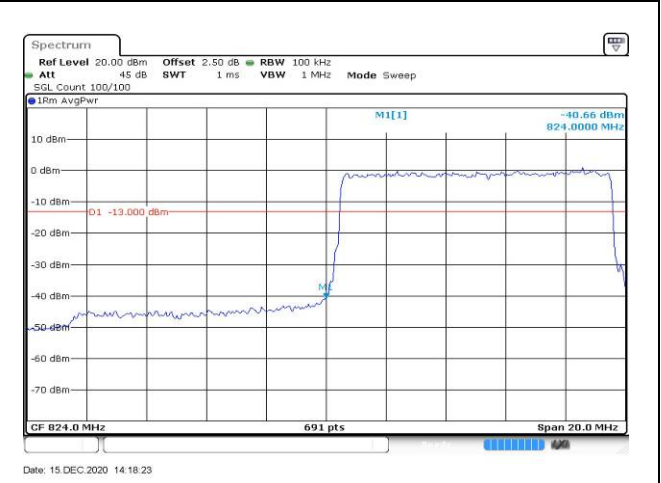


Fig.14

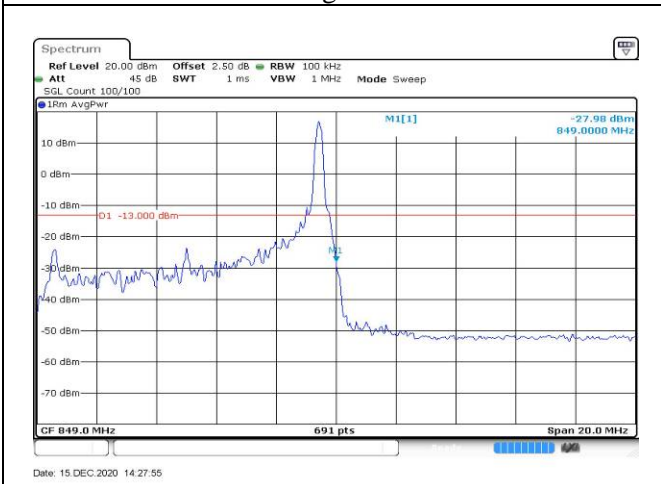


Fig.15

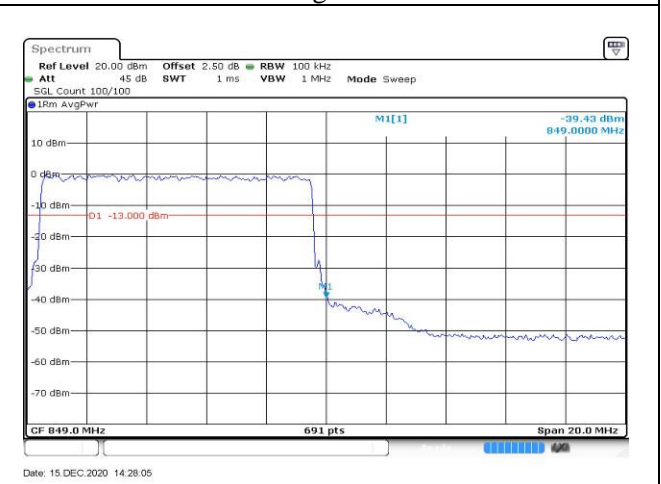


Fig.16



## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.008	0.031	-0.019	-0.001
0	NV	-0.005	0.008	-0.021	0.009
+10	NV	-0.002	0.009	-0.032	-0.004
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.005	0.020	-0.022	0.012
+40	NV	0.006	0.018	-0.018	0.004
+50	NV	-0.003	0.010	-0.010	-0.008
+55	NV	-0.006	0.016	-0.014	-0.009
+20	LV	-0.003	0.000	-0.017	0.005
+20	HV	0.002	0.013	-0.023	0.006

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.018	-0.051	-0.005	-0.046
0	NV	-0.010	-0.046	-0.006	-0.040
+10	NV	-0.017	-0.041	0.003	-0.042
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.001	-0.052	-0.056	-0.044
+40	NV	0.009	-0.049	-0.004	-0.045
+50	NV	-0.004	-0.054	0.000	-0.034
+55	NV	-0.003	-0.026	0.011	-0.027
+20	LV	0.031	-0.052	-0.010	-0.046
+20	HV	0.008	-0.045	-0.014	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	24.15	19.50	0.089
				1	3	24.10	19.45	0.088
				1	5	24.12	19.47	0.089
				3	0	23.24	18.59	0.072
				3	1	23.17	18.52	0.071
				3	3	23.30	18.65	0.073
	6	0		22.29	17.64	0.058		
	1	0		24.11	19.46	0.088		
	1	3		24.08	19.43	0.088		
	1	5		24.07	19.42	0.087		
	3	0		23.20	18.55	0.072		
	3	1		23.24	18.59	0.072		
	3	3		23.20	18.55	0.072		
	6	0		22.46	17.81	0.060		
	1	0		24.30	19.65	0.092		
	1	3		24.27	19.62	0.092		
	1	5		24.23	19.58	0.091		
	3	0		23.23	18.58	0.072		
3	1	23.23	18.58	0.072				
3	3	23.34	18.69	0.074				
6	0	22.48	17.83	0.061				
16QAM	824.7	20407	1	0	23.39	18.74	0.075	
			1	3	23.48	18.83	0.076	
			1	5	23.39	18.74	0.075	
			3	0	22.53	17.88	0.061	
			3	1	22.49	17.84	0.061	
			3	3	22.61	17.96	0.063	
	6	0	21.60	16.95	0.050			
	1	0	23.30	18.65	0.073			
	1	3	23.34	18.69	0.074			
	1	5	23.34	18.69	0.074			
	3	0	22.46	17.81	0.060			
	3	1	22.51	17.86	0.061			
	3	3	22.50	17.85	0.061			
	6	0	21.81	17.16	0.052			
	1	0	23.57	18.92	0.078			
	1	3	23.51	18.86	0.077			
	1	5	23.52	18.87	0.077			
	3	0	22.47	17.82	0.061			
3	1	22.55	17.90	0.062				
3	3	22.62	17.97	0.063				
6	0	21.80	17.15	0.052				
	848.3	20643	1	0	24.30	19.65	0.092	
			1	3	24.27	19.62	0.092	
			1	5	24.23	19.58	0.091	
			3	0	23.23	18.58	0.072	
			3	1	23.23	18.58	0.072	
			3	3	23.34	18.69	0.074	
	6	0	22.48	17.83	0.061			
	1	0	23.39	18.74	0.075			
	1	3	23.48	18.83	0.076			
	1	5	23.39	18.74	0.075			
	3	0	22.53	17.88	0.061			
	3	1	22.49	17.84	0.061			
3	3	22.61	17.96	0.063				
6	0	21.60	16.95	0.050				
1	0	23.30	18.65	0.073				
1	3	23.34	18.69	0.074				
1	5	23.34	18.69	0.074				
3	0	22.46	17.81	0.060				
3	1	22.51	17.86	0.061				
3	3	22.50	17.85	0.061				
6	0	21.81	17.16	0.052				
1	0	23.57	18.92	0.078				
1	3	23.51	18.86	0.077				
1	5	23.52	18.87	0.077				
3	0	22.47	17.82	0.061				
3	1	22.55	17.90	0.062				
3	3	22.62	17.97	0.063				
6	0	21.80	17.15	0.052				

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	22.36	17.71	0.059
				1	3	22.55	17.90	0.062
				1	5	22.29	17.64	0.058
				3	0	22.49	17.84	0.061
				3	1	22.70	18.05	0.064
				3	3	22.60	17.95	0.062
	836.5	20525		6	0	22.60	17.95	0.062
				1	0	22.62	17.97	0.063
				1	3	22.46	17.81	0.060
				1	5	22.63	17.98	0.063
				3	0	22.49	17.84	0.061
				3	1	22.66	18.01	0.063
	848.3	20643		3	3	22.64	17.99	0.063
				6	0	22.62	17.97	0.063
				1	0	22.50	17.85	0.061
				1	3	22.49	17.84	0.061
				1	5	22.47	17.82	0.061
				3	0	22.61	17.96	0.063
				3	1	22.51	17.86	0.061
				3	3	22.63	17.98	0.063
				6	0	22.58	17.93	0.062

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	24.52	19.87	0.097
				1	8	24.33	19.68	0.093
				1	14	24.30	19.65	0.092
				8	0	23.30	18.65	0.073
				8	4	23.33	18.68	0.074
				8	7	23.33	18.68	0.074
	15	0		23.45	18.80	0.076		
	836.5	20525		1	0	24.38	19.73	0.094
				1	8	24.46	19.81	0.096
				1	14	24.43	19.78	0.095
				8	0	23.43	18.78	0.076
				8	4	23.48	18.83	0.076
				8	7	23.50	18.85	0.077
	15	0		23.51	18.86	0.077		
	847.5	20635		1	0	24.51	19.86	0.097
				1	8	24.68	20.03	0.101
				1	14	24.66	20.01	0.100
				8	0	23.37	18.72	0.074
8			4	23.49	18.84	0.077		
8			7	23.48	18.83	0.076		
15	0	23.41	18.76	0.075				
16QAM	825.5	20415	1	0	23.79	19.14	0.082	
			1	8	23.51	18.86	0.077	
			1	14	23.61	18.96	0.079	
			8	0	22.68	18.03	0.064	
			8	4	22.70	18.05	0.064	
			8	7	22.65	18.00	0.063	
	15	0	22.48	17.83	0.061			
	836.5	20525	1	0	23.69	19.04	0.080	
			1	8	23.62	18.97	0.079	
			1	14	23.54	18.89	0.077	
			8	0	22.40	17.75	0.060	
			8	4	22.49	17.84	0.061	
			8	7	22.45	17.80	0.060	
	15	0	22.43	17.78	0.060			
	847.5	20635	1	0	23.31	18.66	0.073	
			1	8	23.37	18.72	0.074	
			1	14	23.20	18.55	0.072	
			8	0	22.54	17.89	0.062	
8			4	22.61	17.96	0.063		
8			7	22.49	17.84	0.061		
15	0	22.35	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	825.5	20415	3	1	0	22.46	17.81	0.060
				1	8	22.45	17.80	0.060
				1	14	22.47	17.82	0.061
				8	0	22.44	17.79	0.060
				8	4	22.43	17.78	0.060
				8	7	22.48	17.83	0.061
				15	0	22.44	17.79	0.060
	836.5	20525		1	0	22.49	17.84	0.061
				1	8	22.48	17.83	0.061
				1	14	22.46	17.81	0.060
				8	0	22.41	17.76	0.060
				8	4	22.45	17.80	0.060
				8	7	22.42	17.77	0.060
				15	0	22.50	17.85	0.061
	847.5	20635		1	0	22.30	17.65	0.058
				1	8	22.25	17.60	0.058
				1	14	22.30	17.65	0.058
				8	0	22.28	17.63	0.058
				8	4	22.32	17.67	0.058
				8	7	22.26	17.61	0.058
				15	0	22.29	17.64	0.058



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	24.57	19.92	0.098		
				1	12	24.38	19.73	0.094		
				1	24	24.34	19.69	0.093		
				12	0	23.38	18.73	0.075		
				12	7	23.29	18.64	0.073		
				12	13	23.44	18.79	0.076		
	836.5	20525		25	0	23.36	18.71	0.074		
				1	0	24.50	19.85	0.097		
				1	12	24.41	19.76	0.095		
				1	24	24.47	19.82	0.096		
				12	0	23.54	18.89	0.077		
				12	7	23.51	18.86	0.077		
				12	13	23.48	18.83	0.076		
				25	0	23.46	18.81	0.076		
				846.5	20625	1	0	24.47	19.82	0.096
						1	12	24.43	19.78	0.095
						1	24	24.46	19.81	0.096
						12	0	23.55	18.90	0.078
	12	7				23.50	18.85	0.077		
	12	13				23.48	18.83	0.076		
	16QAM	826.5		20425	25	0	23.50	18.85	0.077	
					1	0	22.60	17.95	0.062	
					1	12	22.71	18.06	0.064	
					1	24	22.63	17.98	0.063	
12			0		22.28	17.63	0.058			
12			7		22.48	17.83	0.061			
836.5		20525	12	13	22.29	17.64	0.058			
			25	0	22.49	17.84	0.061			
			1	0	23.39	18.74	0.075			
			1	12	23.55	18.90	0.078			
			1	24	23.51	18.86	0.077			
			12	0	22.49	17.84	0.061			
			12	7	22.29	17.64	0.058			
			12	13	22.19	17.54	0.057			
			25	0	22.35	17.70	0.059			
			846.5	20625	1	0	23.17	18.52	0.071	
					1	12	23.10	18.45	0.070	
					1	24	23.05	18.40	0.069	
12		0			22.16	17.51	0.056			
12		7			22.10	17.45	0.056			
12		13			22.11	17.46	0.056			
25		0	22.24	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	826.5	20425	5	1	0	22.47	17.82	0.061
				1	12	22.44	17.79	0.060
				1	24	22.45	17.80	0.060
				12	0	22.46	17.81	0.060
				12	7	22.41	17.76	0.060
				12	13	22.46	17.81	0.060
				25	0	22.41	17.76	0.060
	836.5	20525		1	0	22.33	17.68	0.059
				1	12	22.33	17.68	0.059
				1	24	22.35	17.70	0.059
				12	0	22.38	17.73	0.059
				12	7	22.34	17.69	0.059
				12	13	22.37	17.72	0.059
				25	0	22.32	17.67	0.058
	846.5	20625		1	0	22.22	17.57	0.057
				1	12	22.19	17.54	0.057
				1	24	22.18	17.53	0.057
				12	0	22.20	17.55	0.057
				12	7	22.37	17.72	0.059
				12	13	22.50	17.85	0.061
				25	0	22.37	17.72	0.059

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	24.21	19.56	0.090
				1	25	24.52	19.87	0.097
				1	49	24.51	19.86	0.097
				25	0	23.43	18.78	0.076
				25	12	23.32	18.67	0.074
				25	25	23.34	18.69	0.074
	836.5	20525		50	0	23.41	18.76	0.075
				1	0	24.35	19.70	0.093
				1	25	24.41	19.76	0.095
				1	49	24.43	19.78	0.095
				25	0	23.28	18.63	0.073
				25	12	23.53	18.88	0.077
	844	20600		25	25	23.40	18.75	0.075
				50	0	23.31	18.66	0.073
				1	0	24.64	19.99	0.100
				1	25	24.72	20.07	0.102
				1	49	24.59	19.94	0.099
				25	0	23.51	18.86	0.077
16QAM	829	20450	25	12	23.31	18.66	0.073	
			25	25	23.56	18.91	0.078	
			50	0	23.46	18.81	0.076	
			1	0	23.80	19.15	0.082	
			1	25	23.67	19.02	0.080	
			1	49	23.72	19.07	0.081	
	836.5	20525	25	0	22.34	17.69	0.059	
			25	12	22.23	17.58	0.057	
			25	25	22.23	17.58	0.057	
			50	0	22.42	17.77	0.060	
			1	0	23.96	19.31	0.085	
			1	25	24.11	19.46	0.088	
	844	20600	1	49	24.15	19.50	0.089	
			25	0	22.45	17.80	0.060	
			25	12	22.82	18.17	0.066	
			25	25	22.73	18.08	0.064	
			50	0	22.42	17.77	0.060	
			1	0	23.23	18.58	0.072	
			1	25	23.16	18.51	0.071	
			1	49	23.13	18.48	0.070	
			25	0	22.88	18.23	0.067	
			25	12	22.58	17.93	0.062	
			25	25	22.53	17.88	0.061	
			50	0	22.84	18.19	0.066	

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	22.42	17.77	0.060
				1	25	22.45	17.80	0.060
				1	49	22.43	17.78	0.060
				25	0	22.44	17.79	0.060
				25	12	22.44	17.79	0.060
				25	25	22.44	17.79	0.060
	836.5	20525		50	0	22.45	17.80	0.060
				1	0	22.54	17.89	0.062
				1	25	22.64	17.99	0.063
				1	49	22.71	18.06	0.064
				25	0	22.77	18.12	0.065
				25	12	22.40	17.75	0.060
	844	20600		25	25	22.67	18.02	0.063
				50	0	22.72	18.07	0.064
				1	0	22.82	18.17	0.066
				1	25	22.79	18.14	0.065
				1	49	22.72	18.07	0.064
				25	0	22.69	18.04	0.064
				25	12	22.72	18.07	0.064
				25	25	22.72	18.07	0.064
				50	0	22.68	18.03	0.064