



Fig.19

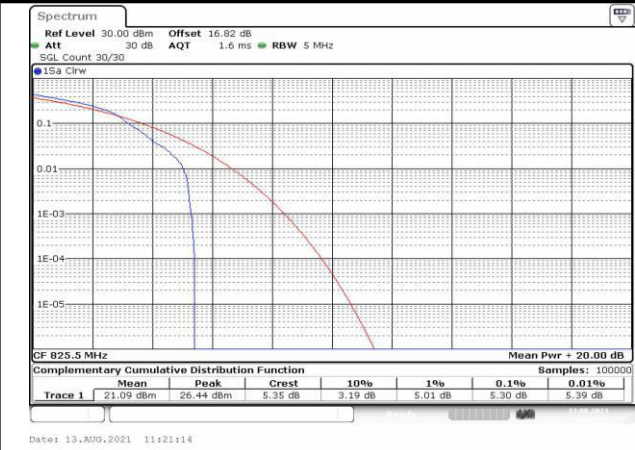


Fig.20

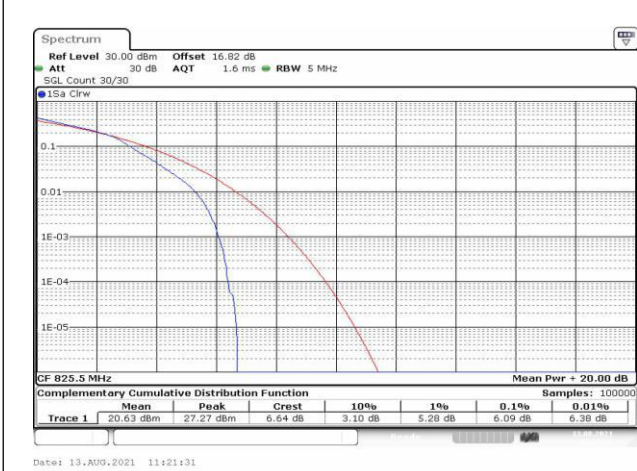


Fig.21

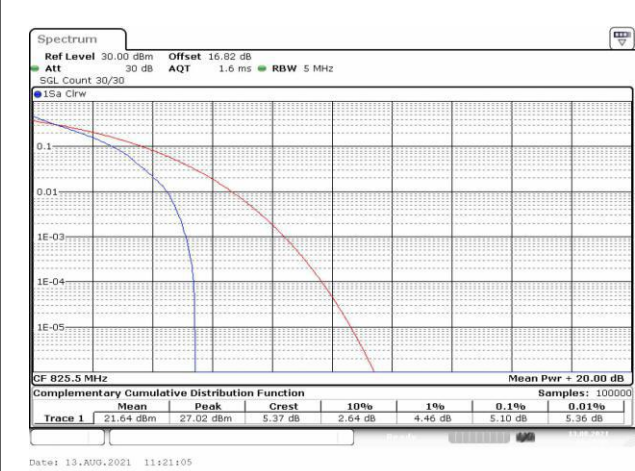


Fig.22

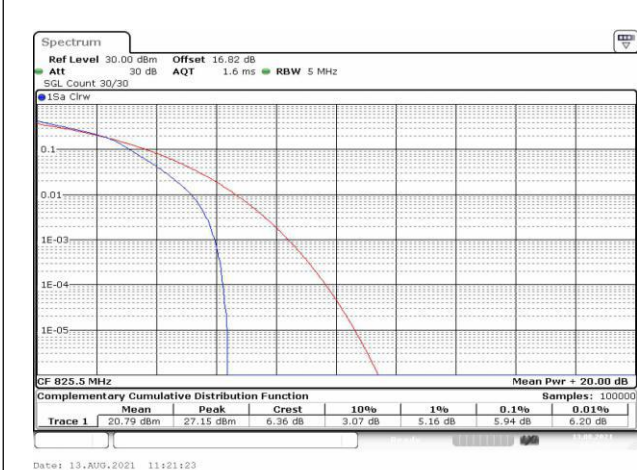


Fig.23

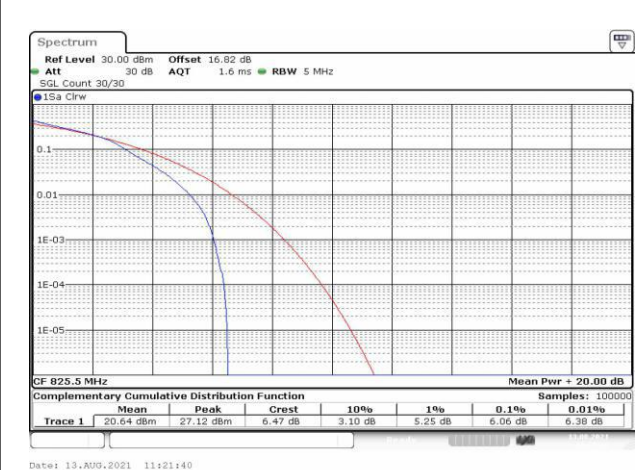


Fig.24



Fig.25

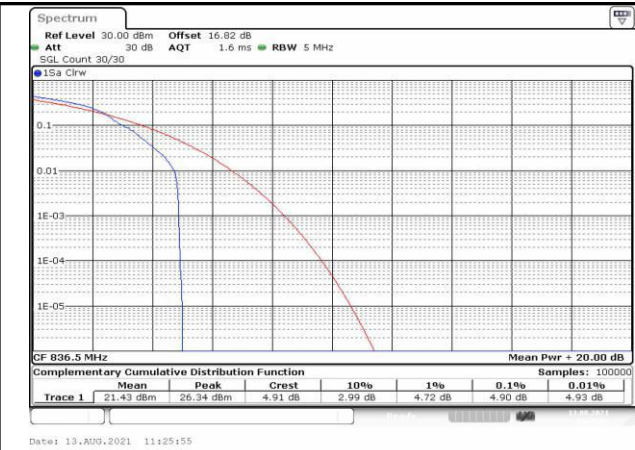


Fig.26

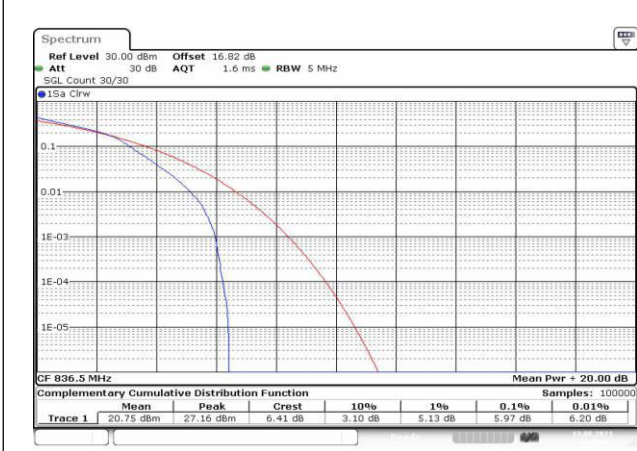


Fig.27

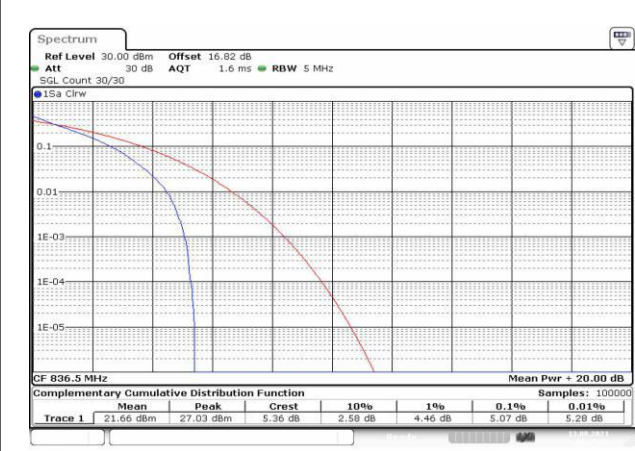


Fig.28

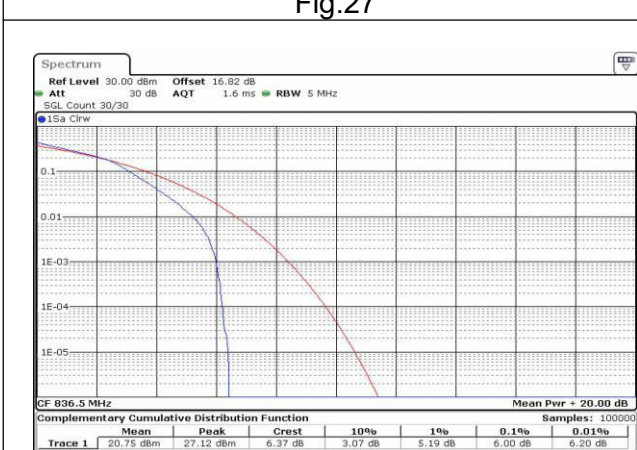


Fig.29

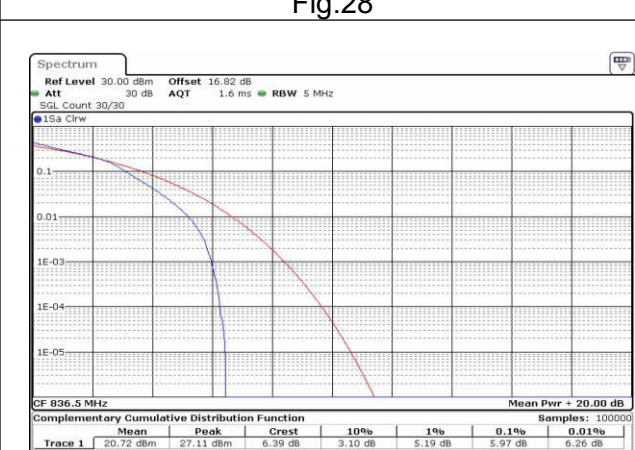


Fig.30

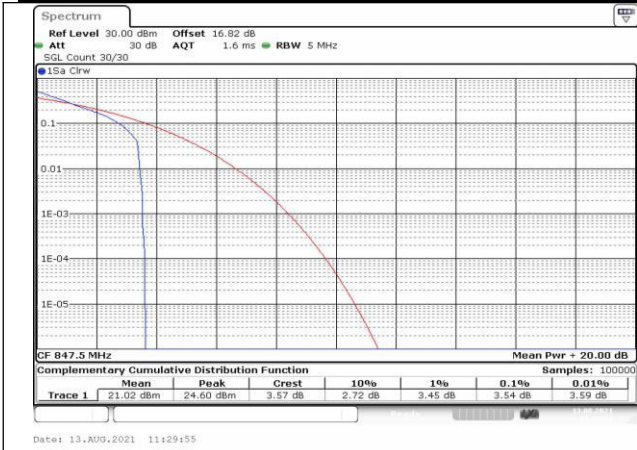


Fig.31

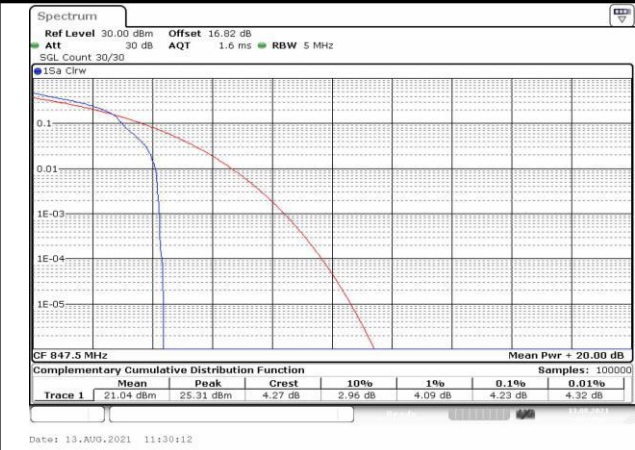


Fig.32

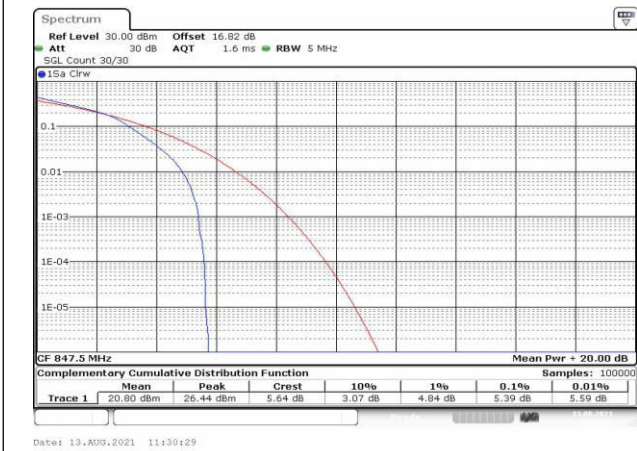


Fig.33

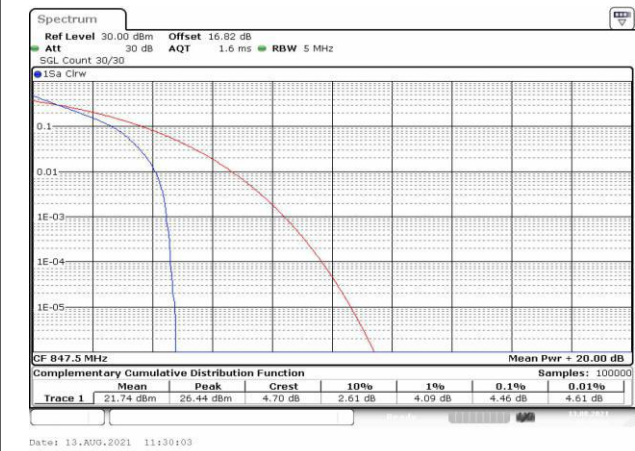


Fig.34

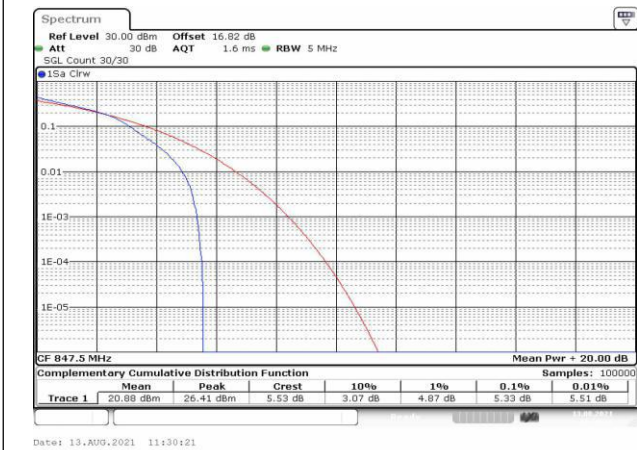


Fig.35

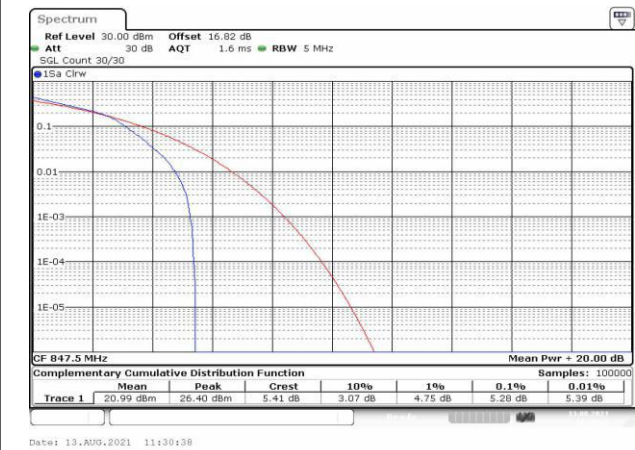


Fig.36





Fig.37



Fig.38

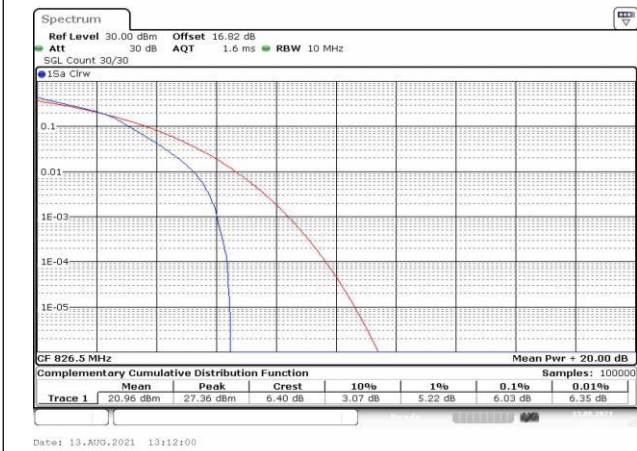


Fig.39

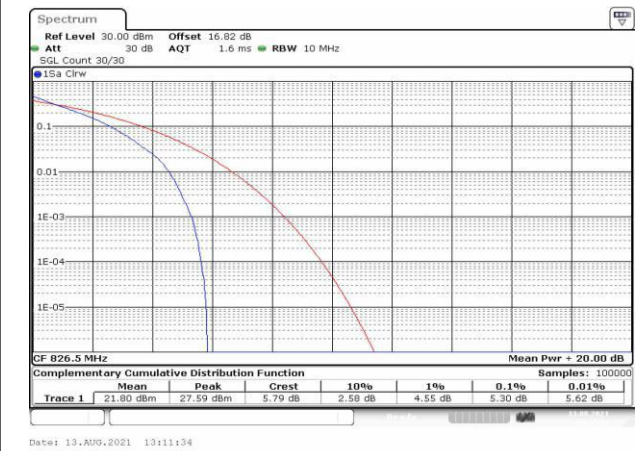


Fig.40

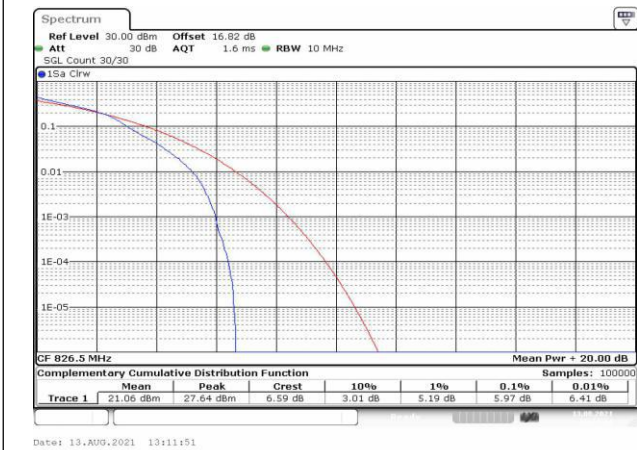


Fig.41

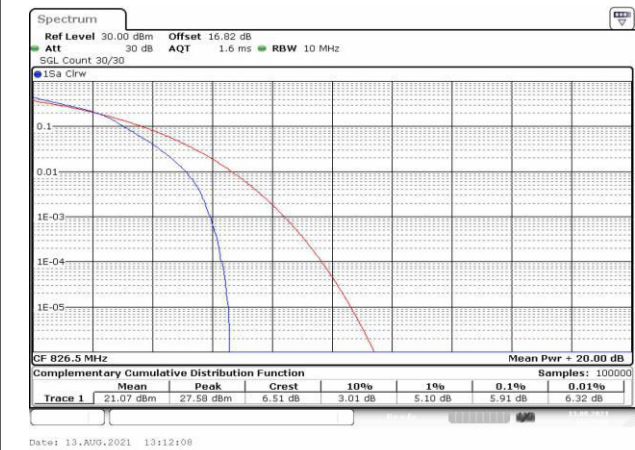


Fig.42

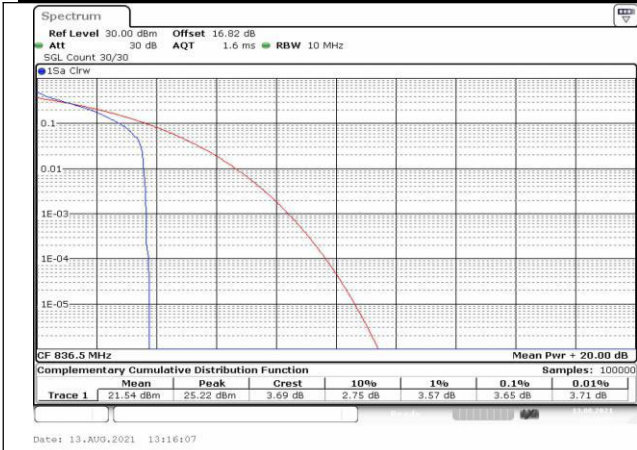


Fig.43



Fig.44

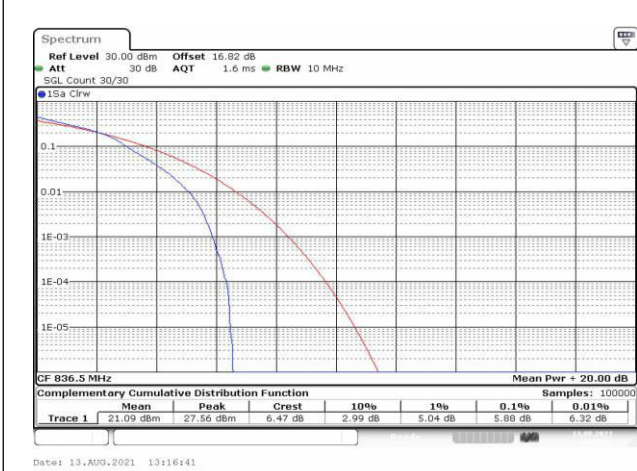


Fig.45

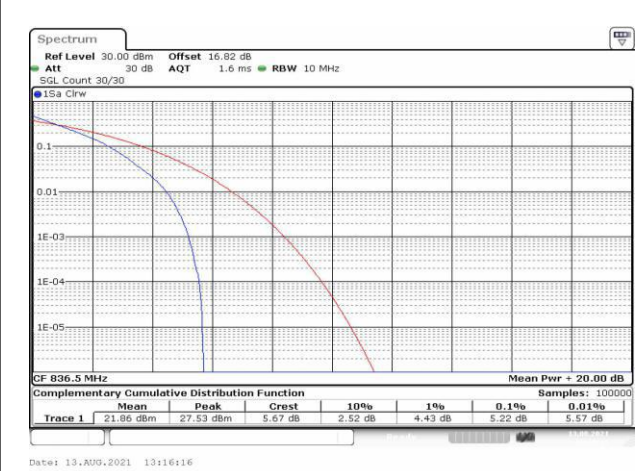


Fig.46

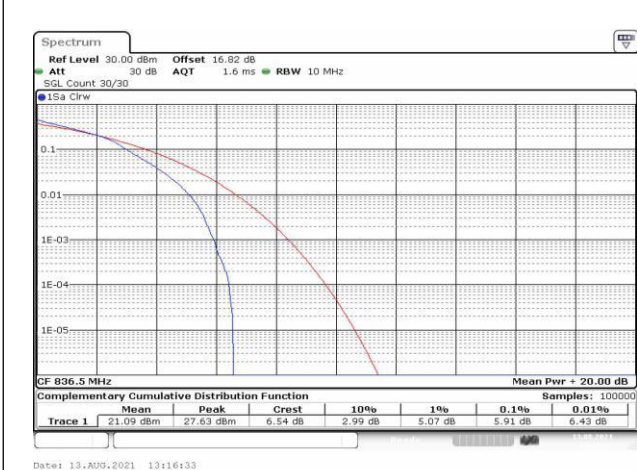


Fig.47

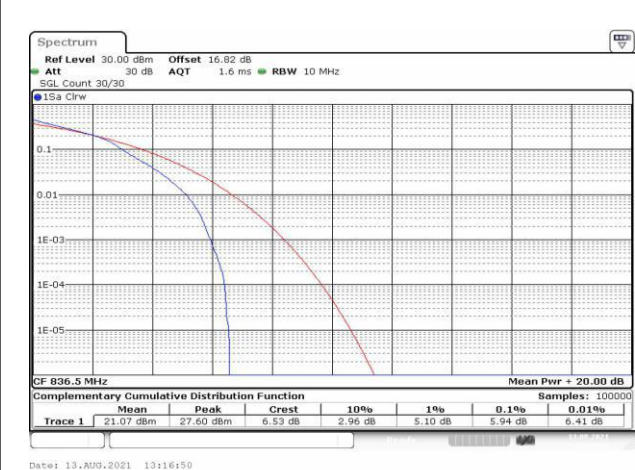


Fig.48



Fig.49

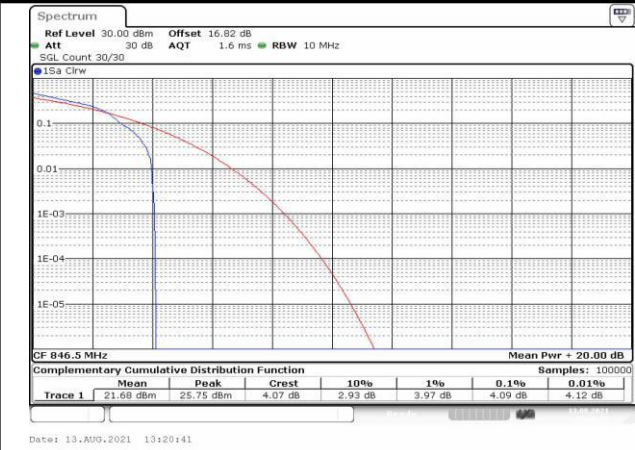


Fig.50

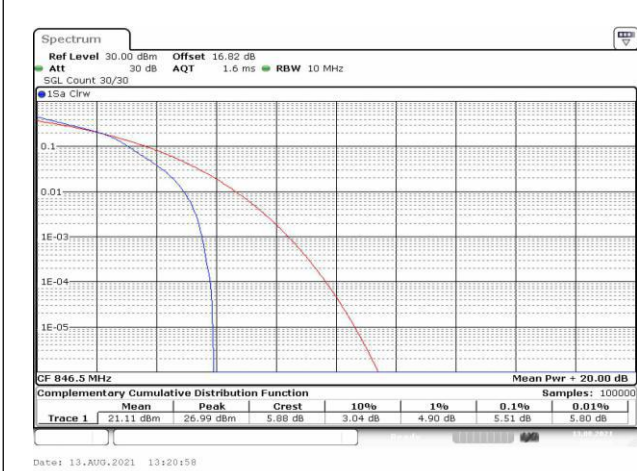


Fig.51

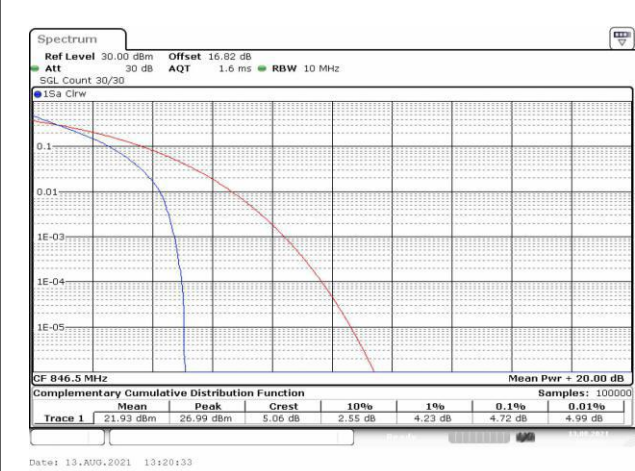


Fig.52

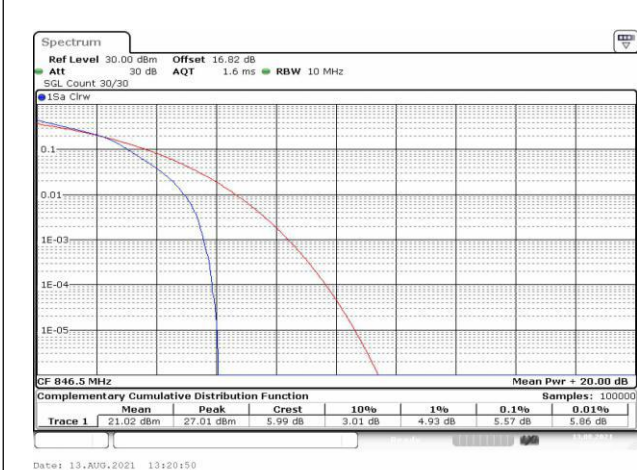


Fig.53

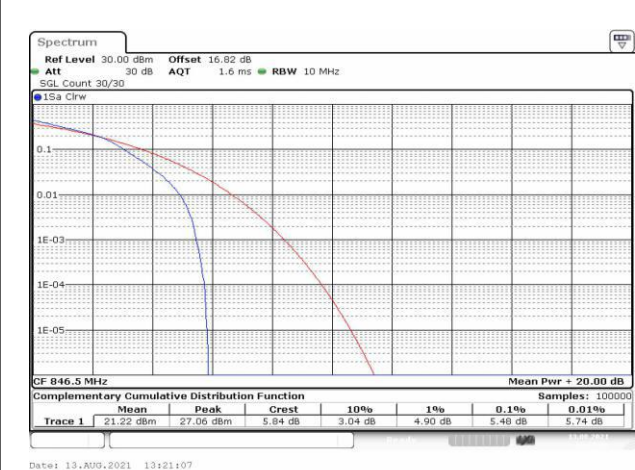


Fig.54





Fig.55

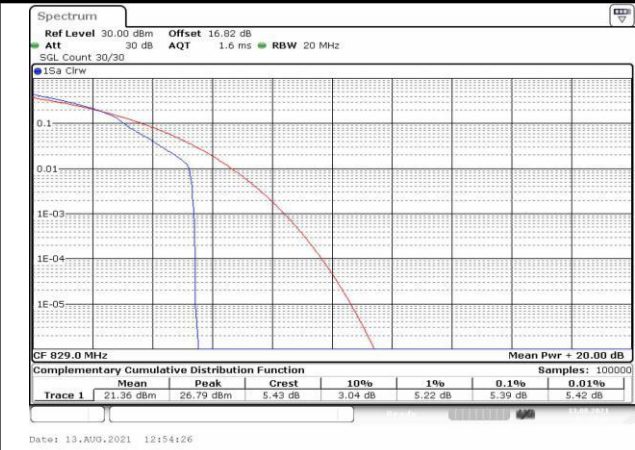


Fig.56

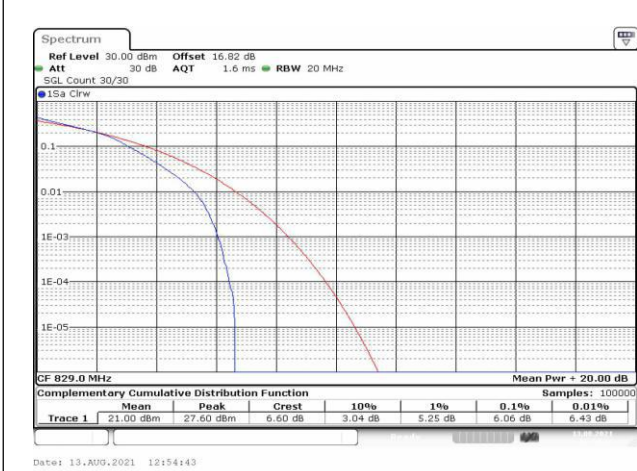


Fig.57

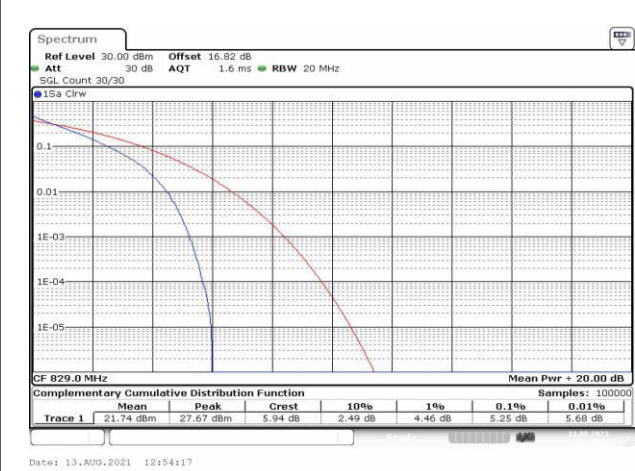


Fig.58

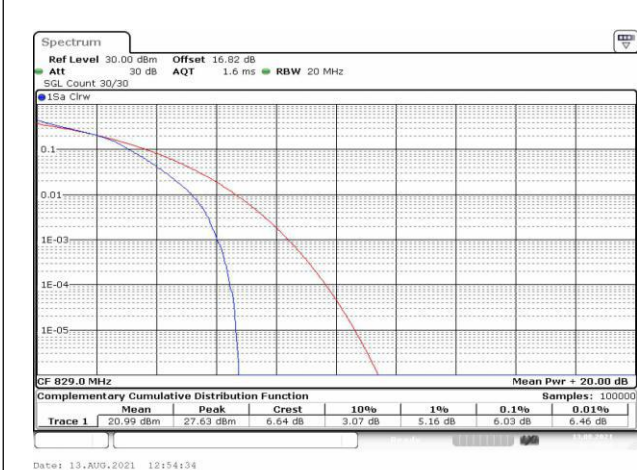


Fig.59

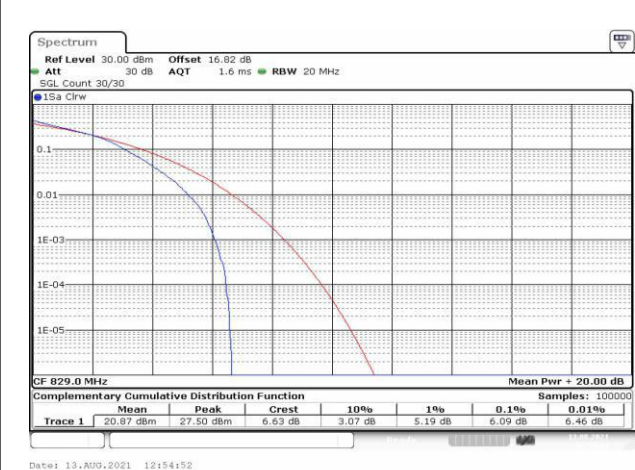


Fig.60



Fig.61



Fig.62

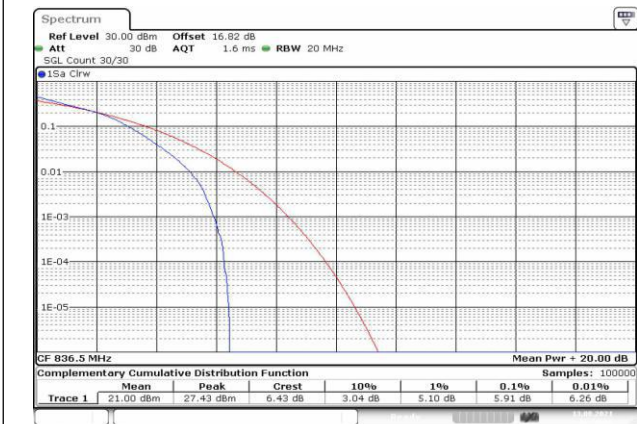


Fig.63

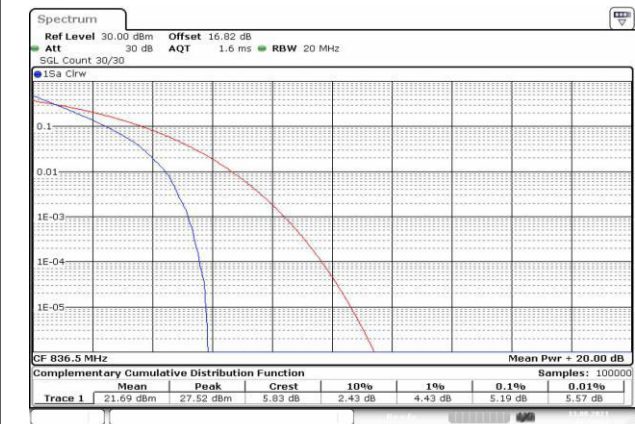


Fig.64

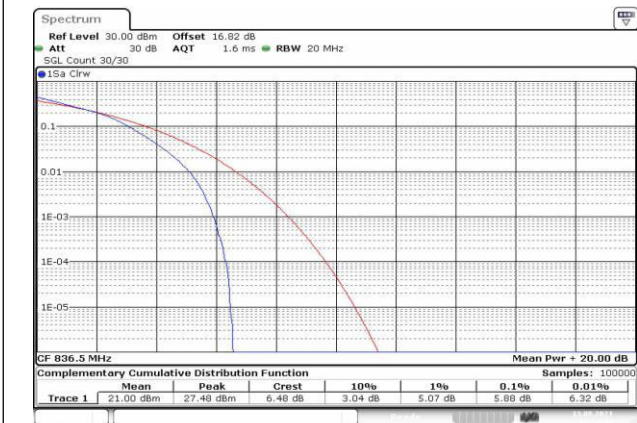


Fig.65

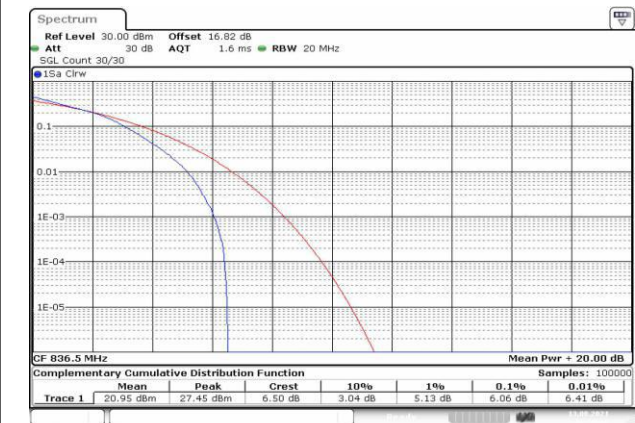


Fig.66



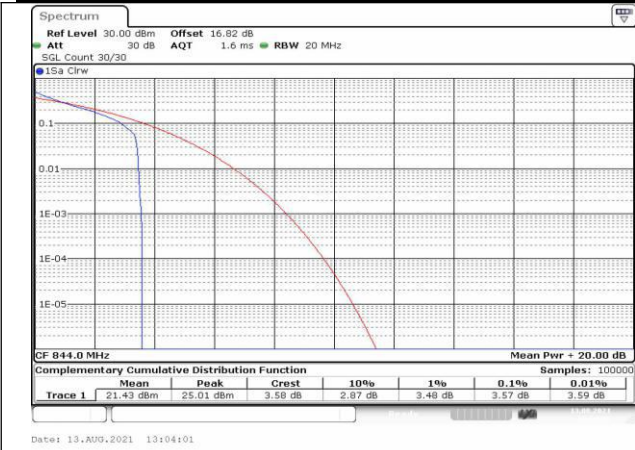


Fig.67



Fig.68

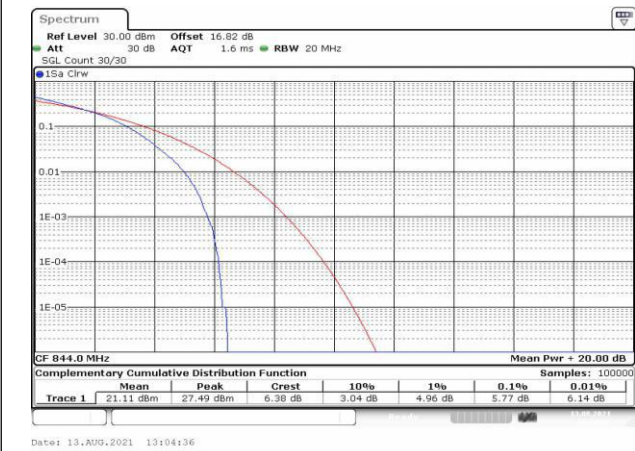


Fig.69

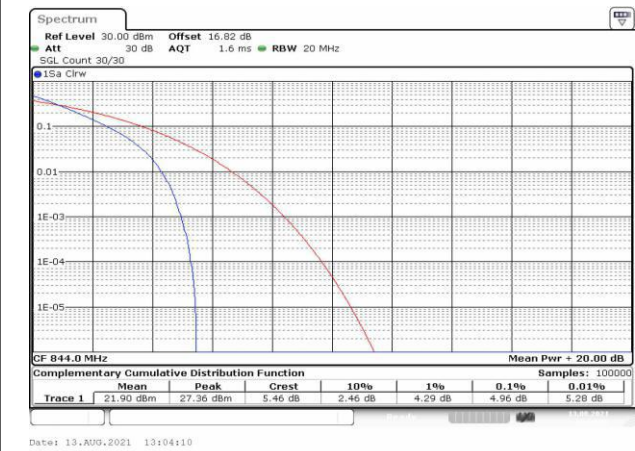


Fig.70

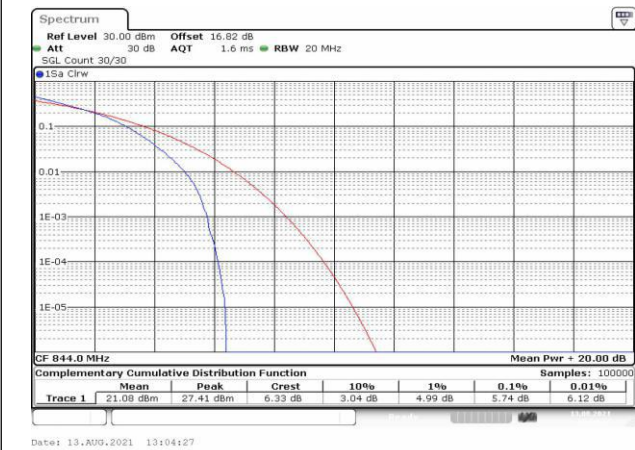


Fig.71

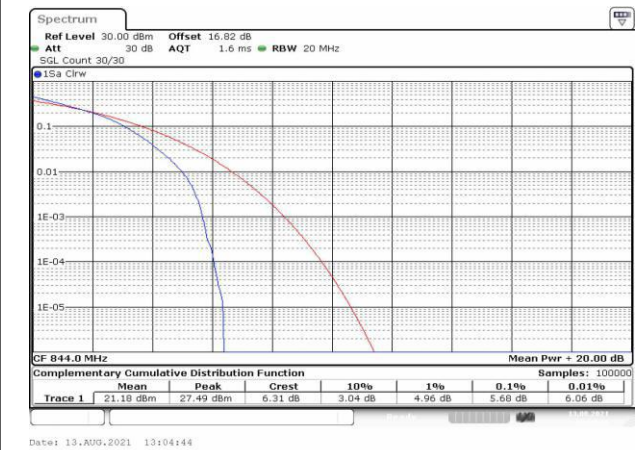


Fig.72

### 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

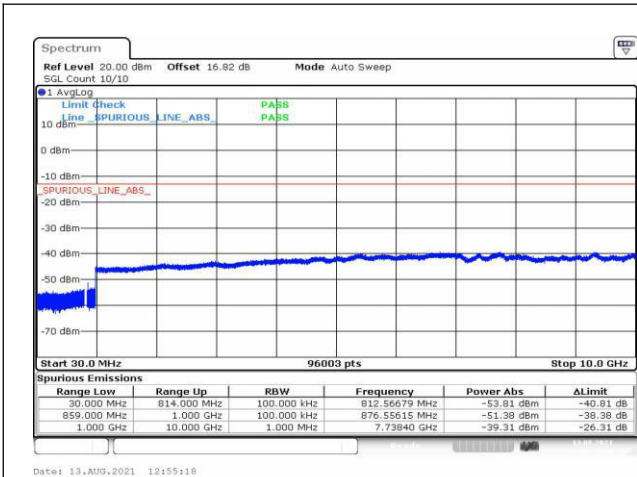


Fig.1

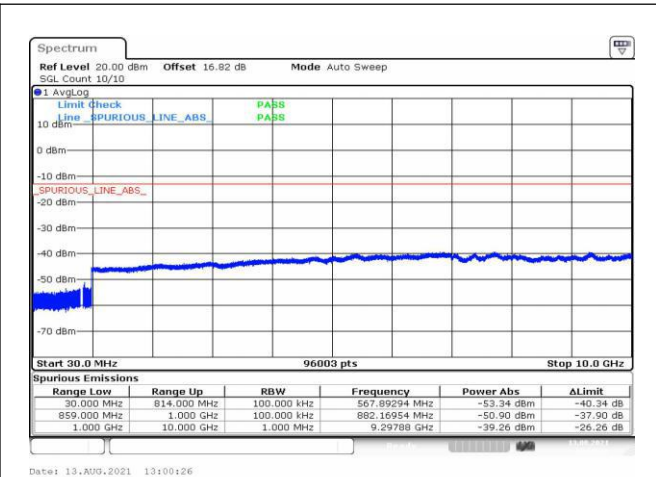


Fig.2

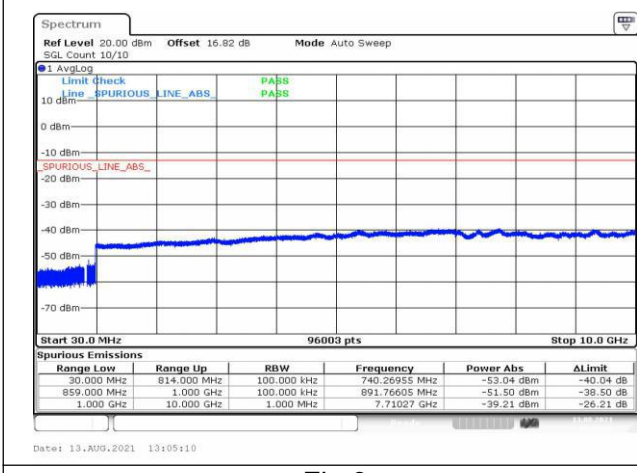


Fig.3

**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
				1	14	Fig.7
	847.5	20635		15	0	Fig.8
				1	0	Fig.9
	826.5	20425		5	25	0
			1		24	Fig.11
			25		0	Fig.12
	846.5	20625	1		0	Fig.13
			50		0	Fig.14
	829	20450	10		1	49
				50	0	Fig.16
844	20600	1		49	Fig.15	
		50		0	Fig.16	



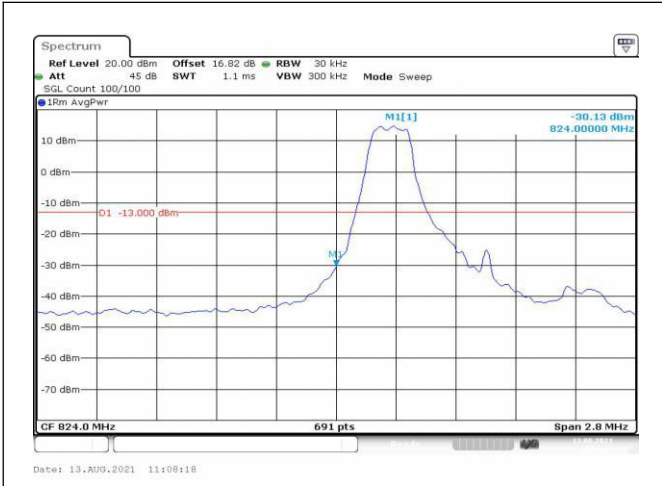


Fig.1

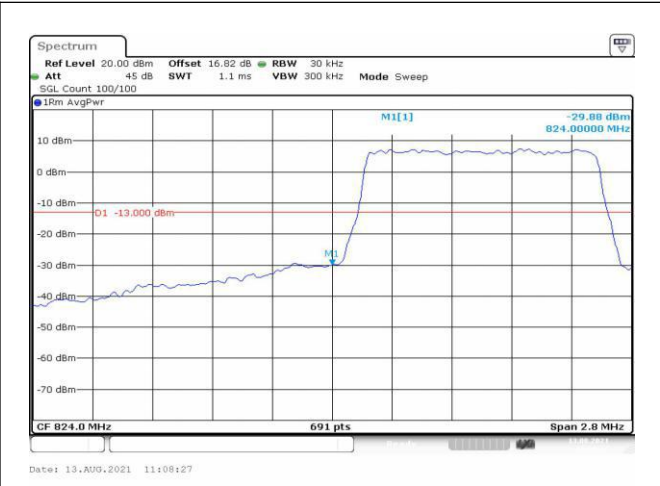


Fig.2

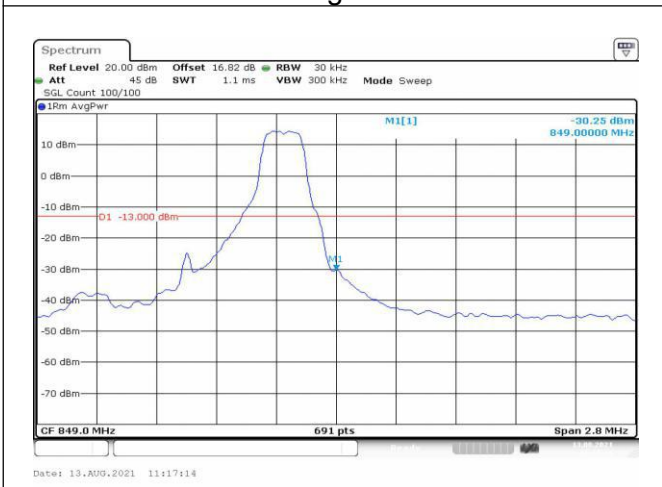


Fig.3

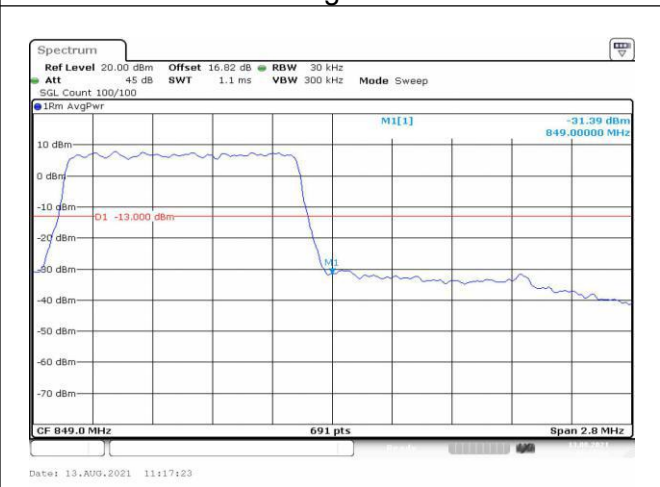


Fig.4

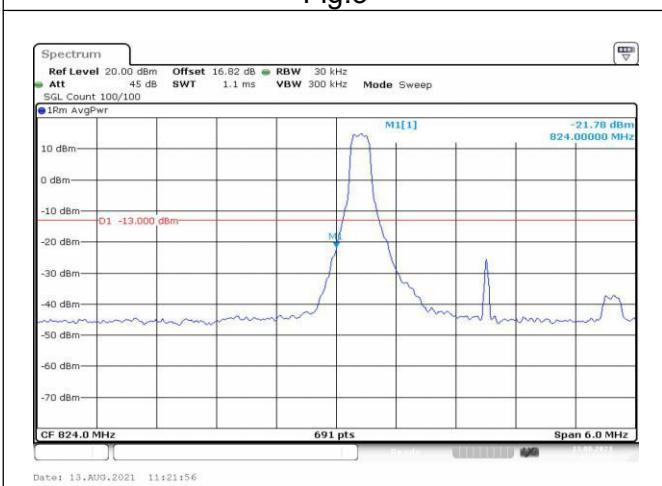


Fig.5

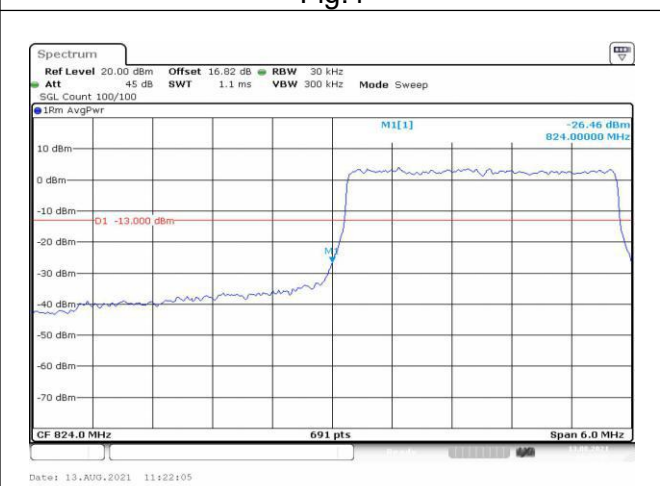


Fig.6

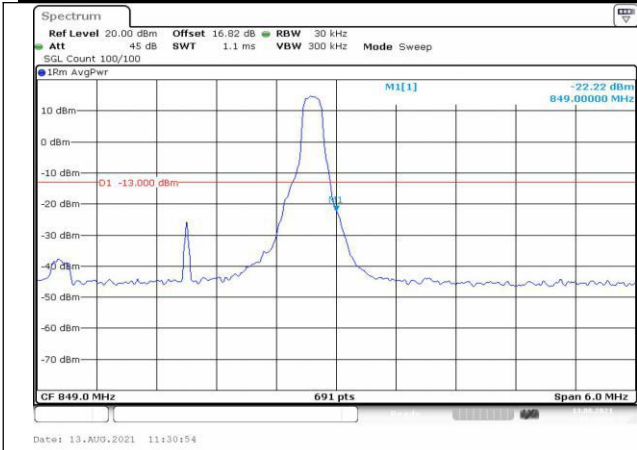


Fig.7



Fig.8

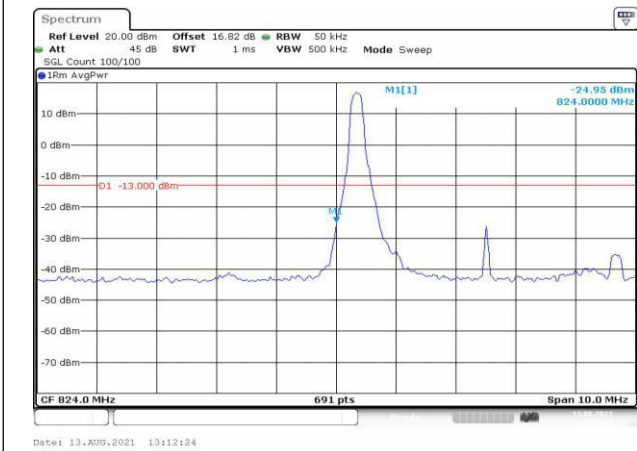


Fig.9

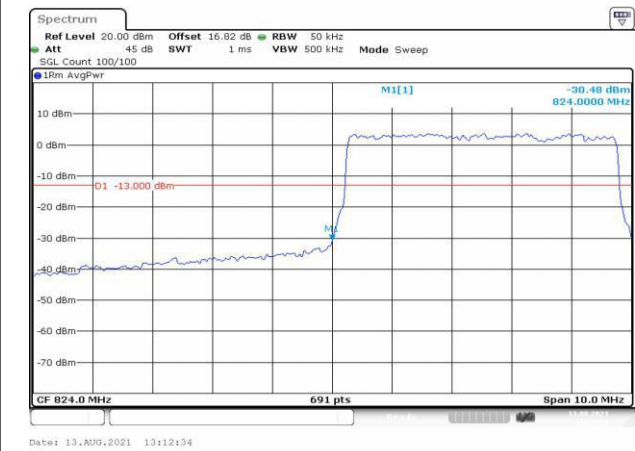


Fig.10

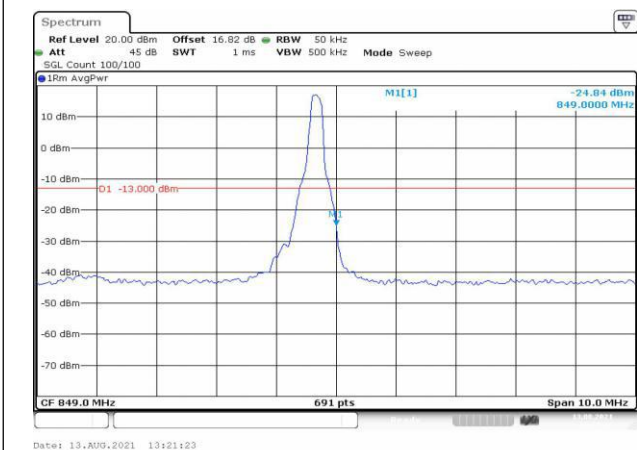


Fig.11

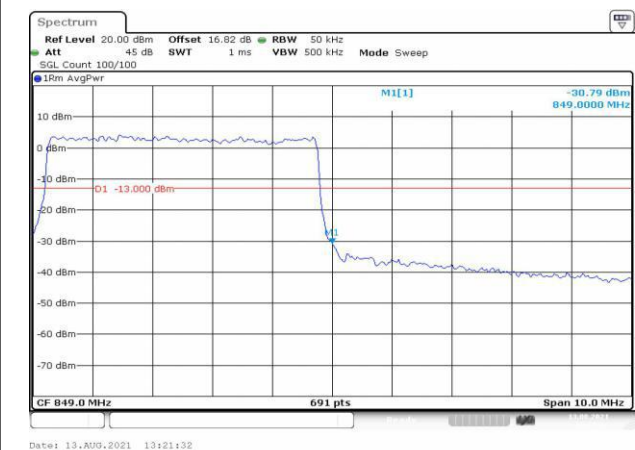


Fig.12

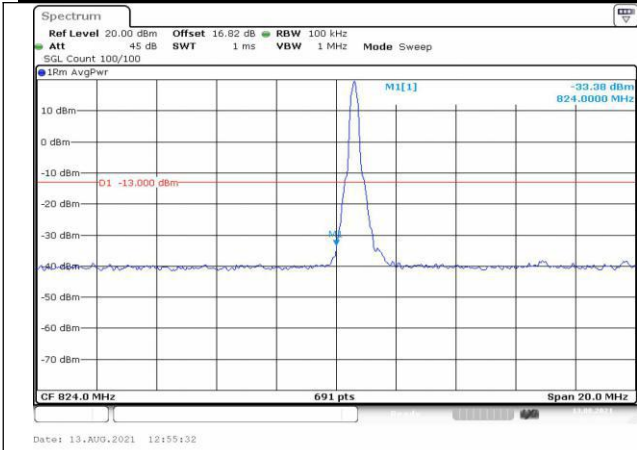


Fig.13



Fig.14

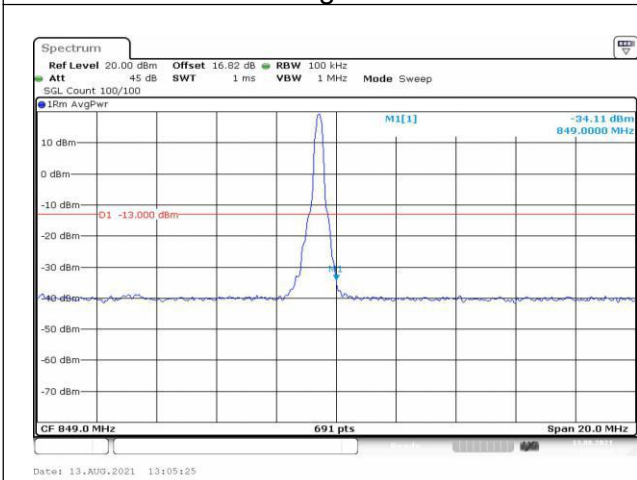


Fig.15

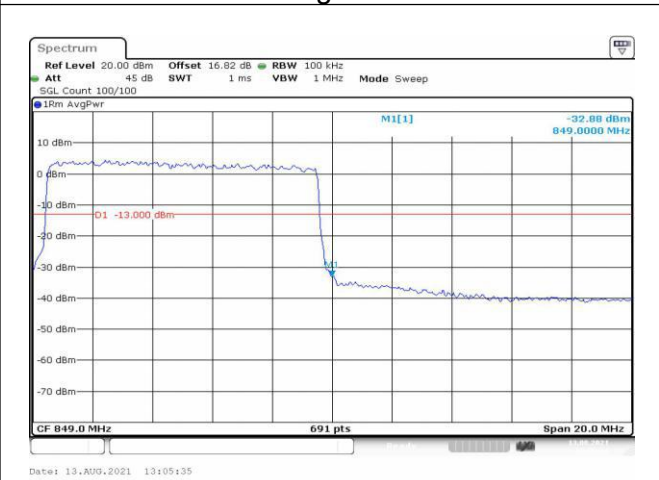


Fig.16



## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.002	0.001	0.001	0.001	---	---
0	NV	-0.001	0.000	0.002	0.002	---	---
+10	NV	0.004	0.002	0.002	0.002	---	---
+20	NV	-0.004	0.000	-0.002	0.004	---	---
+30	NV	0.001	0.000	-0.001	0.004	---	---
+40	NV	-0.003	-0.001	0.003	0.004	---	---
+50	NV	-0.001	0.002	0.002	0.004	---	---
+20	LV	-0.008	0.000	-0.001	0.004	---	---
+20	HV	-0.013	-0.003	0.000	0.002	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.004	0.003	-0.001	0.002	---	---
0	NV	-0.005	0.005	0.002	0.000	---	---
+10	NV	-0.005	0.002	0.003	0.000	---	---
+20	NV	0.013	0.001	0.005	0.001	---	---
+30	NV	-0.008	0.003	0.005	0.005	---	---
+40	NV	-0.003	0.004	0.006	0.006	---	---
+50	NV	0.002	0.000	0.005	0.004	---	---
+20	LV	-0.007	-0.001	0.005	0.006	---	---
+20	HV	-0.008	0.001	0.003	0.004	---	---

**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	23.98	18.53	0.071
				1	3	23.87	18.42	0.070
				1	5	23.79	18.34	0.068
				3	0	23.91	18.46	0.070
				3	1	23.99	18.54	0.071
				3	3	23.85	18.40	0.069
	6	0		22.97	17.52	0.056		
	1	0		23.99	18.54	0.071		
	1	3		23.97	18.52	0.071		
	1	5		23.94	18.49	0.071		
	3	0		23.99	18.54	0.071		
	3	1		23.99	18.54	0.071		
	3	3		23.97	18.52	0.071		
	6	0		23.05	17.60	0.058		
	1	0		23.83	18.38	0.069		
	1	3		23.68	18.23	0.067		
	1	5		23.67	18.22	0.066		
	3	0		23.70	18.25	0.067		
3	1	23.75	18.30	0.068				
3	3	23.68	18.23	0.067				
6	0	22.80	17.35	0.054				
16QAM	824.7	20407	1	0	23.04	17.59	0.057	
			1	3	23.09	17.64	0.058	
			1	5	22.97	17.52	0.056	
			3	0	23.05	17.60	0.058	
			3	1	23.18	17.73	0.059	
			3	3	22.90	17.45	0.056	
	6	0	22.03	16.58	0.045			
	1	0	23.12	17.67	0.058			
	1	3	23.13	17.68	0.059			
	1	5	23.19	17.74	0.059			
	3	0	23.16	17.71	0.059			
	3	1	23.11	17.66	0.058			
	3	3	22.97	17.52	0.056			
	6	0	21.93	16.48	0.044			
	1	0	22.83	17.38	0.055			
	1	3	22.83	17.38	0.055			
	1	5	22.74	17.29	0.054			
	3	0	22.97	17.52	0.056			
3	1	22.96	17.51	0.056				
3	3	22.92	17.47	0.056				
6	0	21.77	16.32	0.043				

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	21.77	16.32	0.043
				1	3	21.78	16.33	0.043
				1	5	21.78	16.33	0.043
				3	0	21.88	16.43	0.044
				3	1	21.87	16.42	0.044
				3	3	21.87	16.42	0.044
	6	0		20.79	15.34	0.034		
	836.5	20525		1	0	22.04	16.59	0.046
				1	3	22.12	16.67	0.046
				1	5	22.06	16.61	0.046
				3	0	21.92	16.47	0.044
				3	1	21.88	16.43	0.044
				3	3	21.99	16.54	0.045
	6	0		20.99	15.54	0.036		
	848.3	20643		1	0	21.24	15.79	0.038
				1	3	21.18	15.73	0.037
				1	5	21.17	15.72	0.037
				3	0	20.99	15.54	0.036
				3	1	20.95	15.50	0.035
				3	3	20.94	15.49	0.035
	6	0		19.84	14.39	0.027		



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	23.91	18.46	0.070
				1	8	23.86	18.41	0.069
				1	14	23.83	18.38	0.069
				8	0	23.08	17.63	0.058
				8	4	23.09	17.64	0.058
				8	7	22.99	17.54	0.057
	836.5	20525		15	0	23.07	17.62	0.058
				1	0	24.29	18.84	0.077
				1	8	24.14	18.69	0.074
				1	14	24.14	18.69	0.074
				8	0	23.09	17.64	0.058
				8	4	23.13	17.68	0.059
	847.5	20635		8	7	23.12	17.67	0.058
				15	0	23.13	17.68	0.059
				1	0	24.01	18.56	0.072
1			8	23.78	18.33	0.068		
1			14	23.71	18.26	0.067		
8			0	23.04	17.59	0.057		
16QAM	825.5	20415	8	4	22.83	17.38	0.055	
			8	7	22.82	17.37	0.055	
			15	0	22.91	17.46	0.056	
			1	0	23.73	18.28	0.067	
			1	8	23.67	18.22	0.066	
			1	14	23.77	18.32	0.068	
	836.5	20525	8	0	22.29	16.84	0.048	
			8	4	22.21	16.76	0.047	
			8	7	22.25	16.80	0.048	
			15	0	22.09	16.64	0.046	
			1	0	23.36	17.91	0.062	
			1	8	23.21	17.76	0.060	
	847.5	20635	1	14	23.26	17.81	0.060	
			8	0	22.12	16.67	0.046	
			8	4	22.13	16.68	0.047	
8			7	22.09	16.64	0.046		
15			0	22.14	16.69	0.047		
1			0	23.19	17.74	0.059		
			1	8	22.95	17.50	0.056	
			1	14	22.81	17.36	0.054	
			8	0	22.14	16.69	0.047	
			8	4	21.92	16.47	0.044	
			8	7	21.87	16.42	0.044	
			15	0	21.95	16.50	0.045	

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	22.42	16.97	0.050
				1	8	22.33	16.88	0.049
				1	14	22.32	16.87	0.049
				8	0	21.16	15.71	0.037
				8	4	21.15	15.70	0.037
				8	7	21.15	15.70	0.037
	836.5	20525		15	0	21.03	15.58	0.036
				1	0	22.10	16.65	0.046
				1	8	22.10	16.65	0.046
				1	14	22.14	16.69	0.047
				8	0	21.05	15.60	0.036
				8	4	20.98	15.53	0.036
	847.5	20635		8	7	21.01	15.56	0.036
				15	0	21.45	16.00	0.040
				1	0	21.18	15.73	0.037
				1	8	20.78	15.33	0.034
				1	14	20.77	15.32	0.034
				8	0	20.04	14.59	0.029
			8	4	19.88	14.43	0.028	
			8	7	19.88	14.43	0.028	
			15	0	20.04	14.59	0.029	

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	23.97	18.52	0.071
				1	12	23.93	18.48	0.070
				1	24	23.88	18.43	0.070
				12	0	23.08	17.63	0.058
				12	7	22.98	17.53	0.057
				12	13	23.02	17.57	0.057
	836.5	20525		25	0	23.08	17.63	0.058
				1	0	23.98	18.53	0.071
				1	12	23.95	18.50	0.071
				1	24	23.97	18.52	0.071
				12	0	23.02	17.57	0.057
				12	7	23.10	17.65	0.058
				12	13	23.01	17.56	0.057
				25	0	23.21	17.76	0.060
				846.5	20625	1	0	24.01
1	12	23.82	18.37			0.069		
1	24	23.78	18.33			0.068		
12	0	23.24	17.79			0.060		
12	7	22.91	17.46			0.056		
12	13	22.91	17.46			0.056		
16QAM	826.5	20425	25	0	23.06	17.61	0.058	
			1	0	22.93	17.48	0.056	
			1	12	23.08	17.63	0.058	
			1	24	23.01	17.56	0.057	
			12	0	22.04	16.59	0.046	
			12	7	22.03	16.58	0.045	
	836.5	20525	12	13	21.97	16.52	0.045	
			25	0	22.12	16.67	0.046	
			1	0	23.27	17.82	0.061	
			1	12	23.30	17.85	0.061	
			1	24	23.24	17.79	0.060	
			12	0	22.21	16.76	0.047	
			12	7	22.12	16.67	0.046	
			12	13	22.18	16.73	0.047	
			25	0	22.12	16.67	0.046	
	846.5	20625	1	0	23.06	17.61	0.058	
			1	12	22.84	17.39	0.055	
			1	24	22.87	17.42	0.055	
12			0	22.05	16.60	0.046		
12			7	22.03	16.58	0.045		
12			13	21.83	16.38	0.043		
25	0	22.13	16.68	0.047				

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	22.01	16.56	0.045
				1	12	21.93	16.48	0.044
				1	24	22.11	16.66	0.046
				12	0	20.97	15.52	0.036
				12	7	20.92	15.47	0.035
				12	13	20.82	15.37	0.034
				25	0	21.11	15.66	0.037
	836.5	20525		1	0	22.03	16.58	0.045
				1	12	22.06	16.61	0.046
				1	24	22.63	17.18	0.052
				12	0	21.26	15.81	0.038
				12	7	21.15	15.70	0.037
				12	13	21.06	15.61	0.036
				25	0	21.26	15.81	0.038
	846.5	20625		1	0	21.75	16.30	0.043
				1	12	20.99	15.54	0.036
				1	24	20.98	15.53	0.036
				12	0	20.67	15.22	0.033
				12	7	20.11	14.66	0.029
				12	13	20.13	14.68	0.029
				25	0	20.28	14.83	0.030

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	24.20	18.75	0.075
				1	25	23.99	18.54	0.071
				1	49	24.07	18.62	0.073
				25	0	23.03	17.58	0.057
				25	12	23.17	17.72	0.059
				25	25	23.15	17.70	0.059
	836.5	20525		50	0	23.09	17.64	0.058
				1	0	24.17	18.72	0.074
				1	25	24.08	18.63	0.073
				1	49	24.09	18.64	0.073
				25	0	23.11	17.66	0.058
				25	12	23.17	17.72	0.059
	844	20600		25	25	23.21	17.76	0.060
				50	0	23.18	17.73	0.059
				1	0	24.34	18.89	0.077
				1	25	23.63	18.18	0.066
				1	49	23.60	18.15	0.065
				25	0	23.16	17.71	0.059
16QAM	829	20450	25	12	22.86	17.41	0.055	
			25	25	22.96	17.51	0.056	
			50	0	23.20	17.75	0.060	
			1	0	23.85	18.40	0.069	
			1	25	23.93	18.48	0.070	
			1	49	23.80	18.35	0.068	
	836.5	20525	25	0	22.10	16.65	0.046	
			25	12	22.20	16.75	0.047	
			25	25	22.09	16.64	0.046	
			50	0	22.22	16.77	0.048	
			1	0	23.31	17.86	0.061	
			1	25	23.28	17.83	0.061	
	844	20600	1	49	23.29	17.84	0.061	
			25	0	22.06	16.61	0.046	
			25	12	22.17	16.72	0.047	
			25	25	22.28	16.83	0.048	
			50	0	22.18	16.73	0.047	
			1	0	23.24	17.79	0.060	
			1	25	22.75	17.30	0.054	
			1	49	22.72	17.27	0.053	
			25	0	22.27	16.82	0.048	
			25	12	22.15	16.70	0.047	
			25	25	22.20	16.75	0.047	
			50	0	22.16	16.71	0.047	



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	22.18	16.73	0.047
				1	25	22.45	17.00	0.050
				1	49	22.45	17.00	0.050
				25	0	20.99	15.54	0.036
				25	12	21.16	15.71	0.037
				25	25	21.10	15.65	0.037
				50	0	21.11	15.66	0.037
	836.5	20525		1	0	22.18	16.73	0.047
				1	25	22.06	16.61	0.046
				1	49	21.91	16.46	0.044
				25	0	21.25	15.80	0.038
				25	12	21.28	15.83	0.038
				25	25	21.25	15.80	0.038
				50	0	21.27	15.82	0.038
	844	20600		1	0	22.00	16.55	0.045
				1	25	20.64	15.19	0.033
				1	49	20.65	15.20	0.033
				25	0	20.83	15.38	0.035
				25	12	20.35	14.90	0.031
				25	25	20.35	14.90	0.031
				50	0	20.53	15.08	0.032