

Fig.31

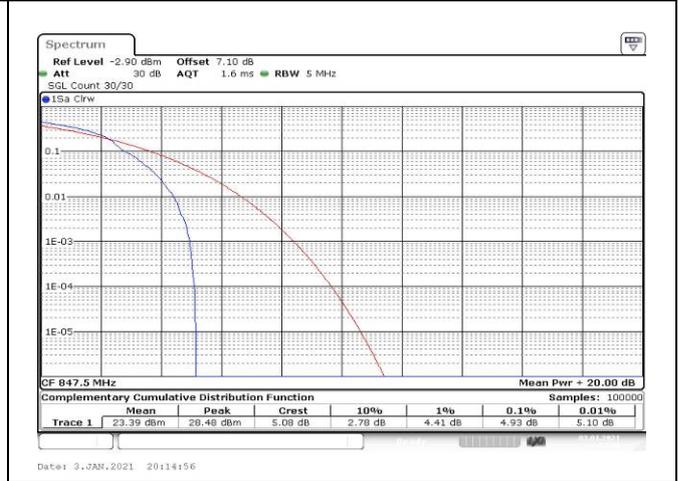


Fig.32

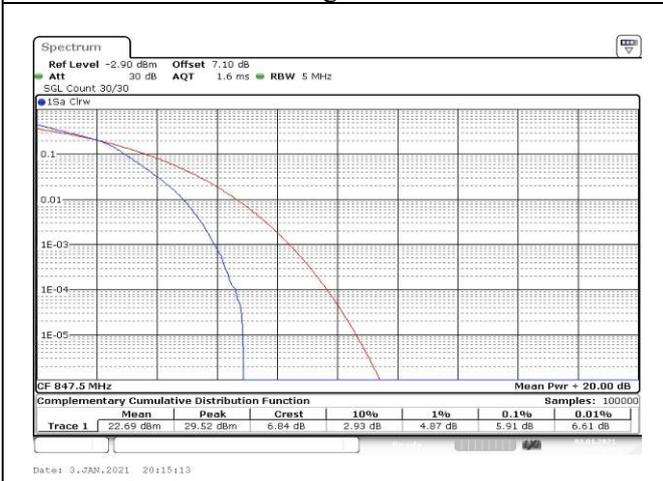


Fig.33

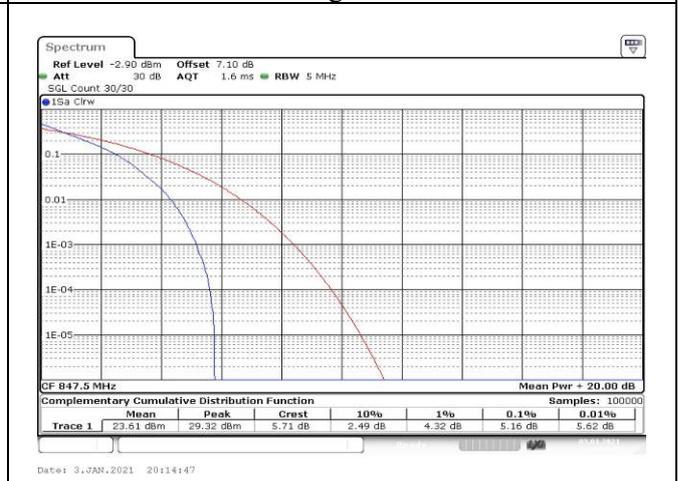


Fig.34

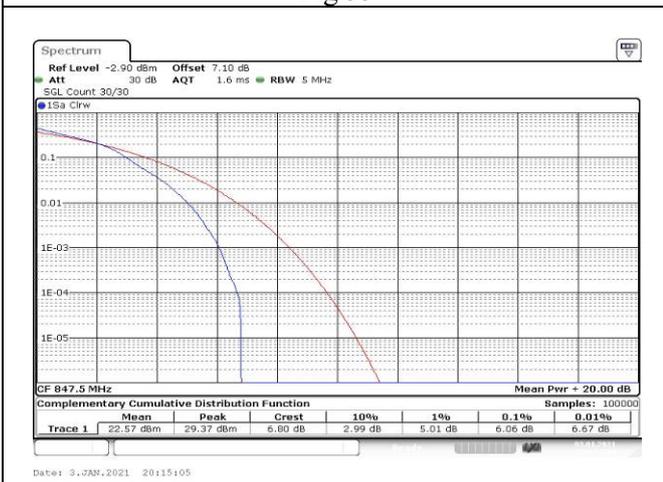


Fig.35

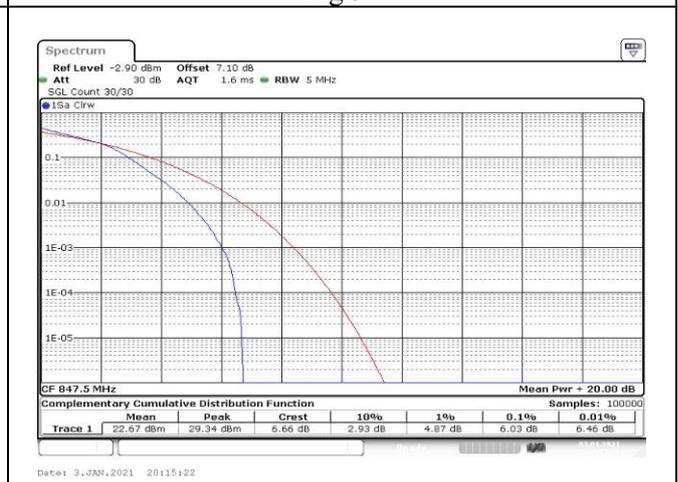


Fig.36

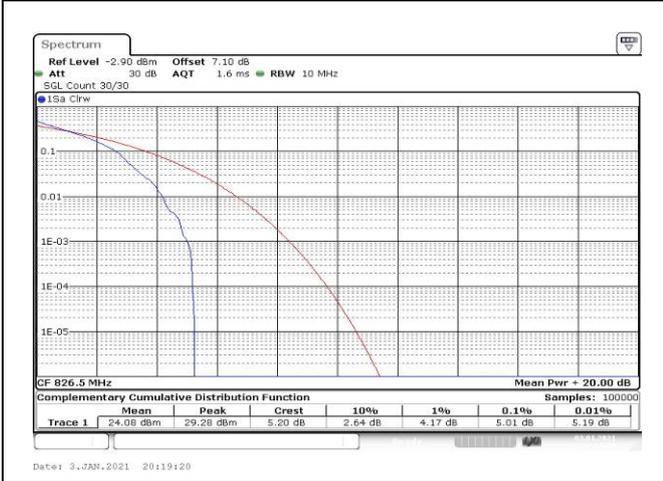


Fig.37

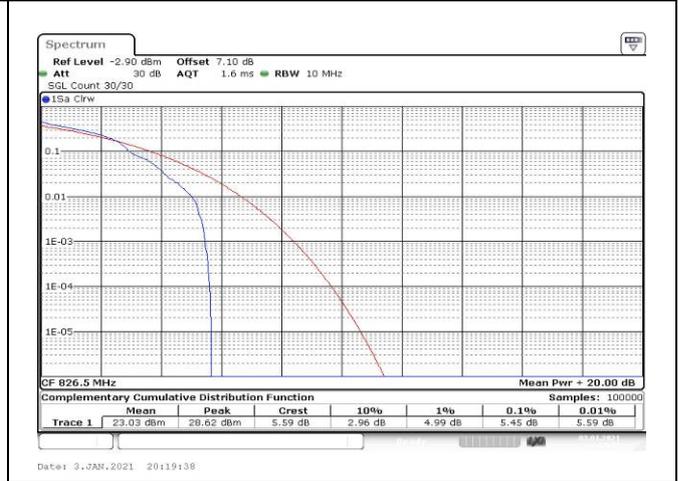


Fig.38

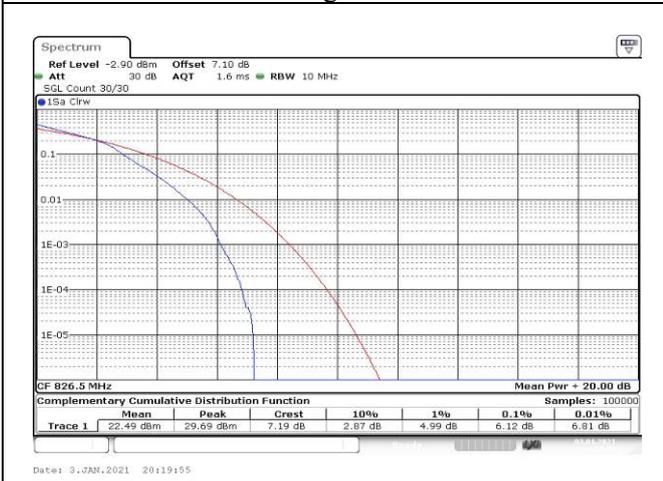


Fig.39

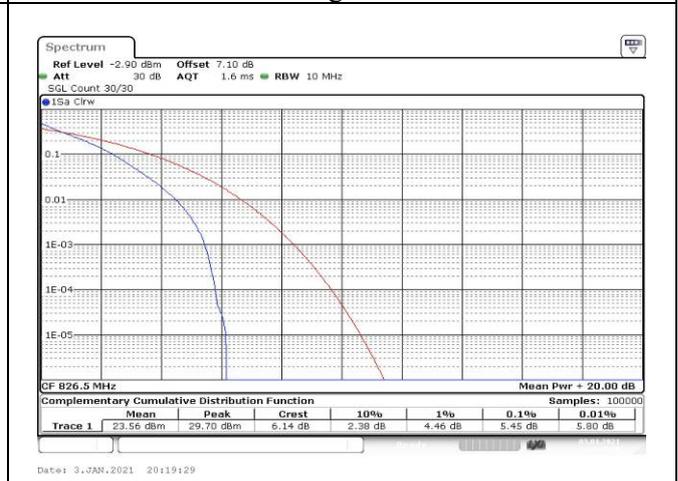


Fig.40

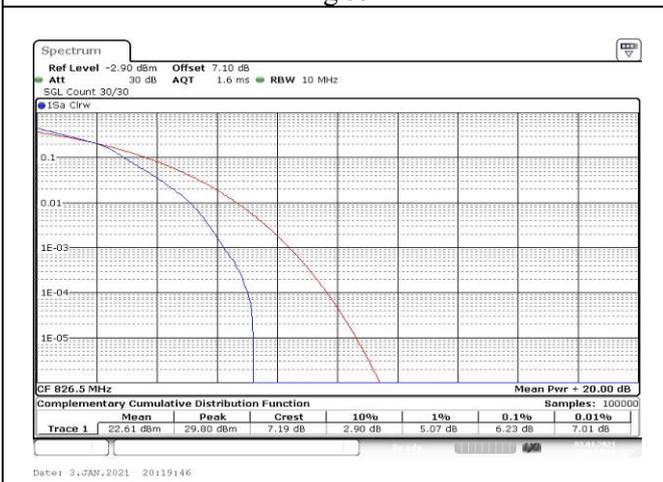


Fig.41

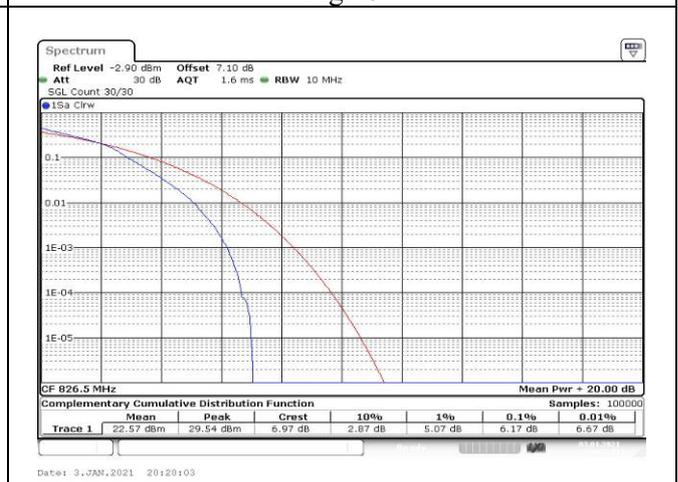


Fig.42

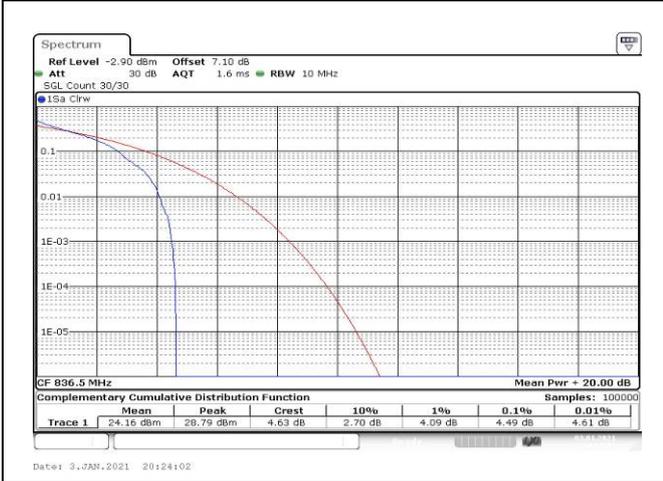


Fig.43

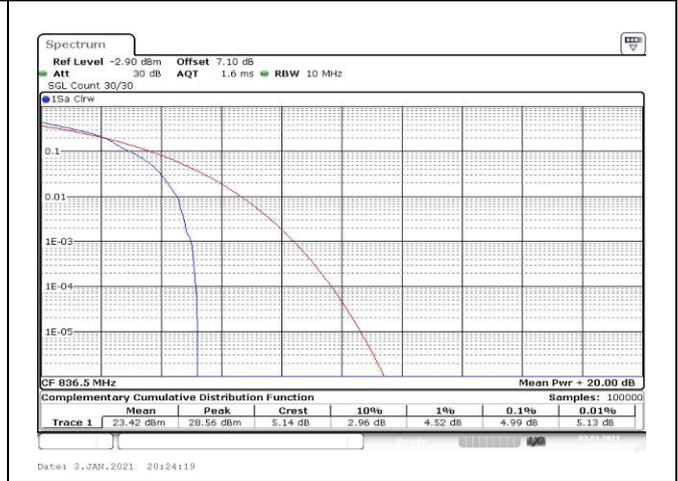


Fig.44

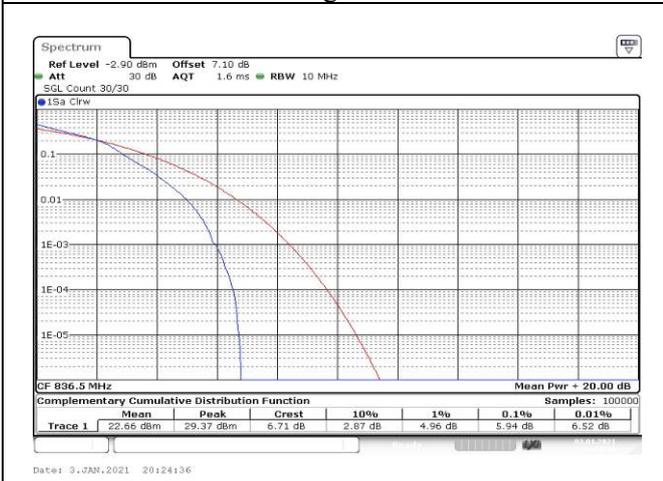


Fig.45

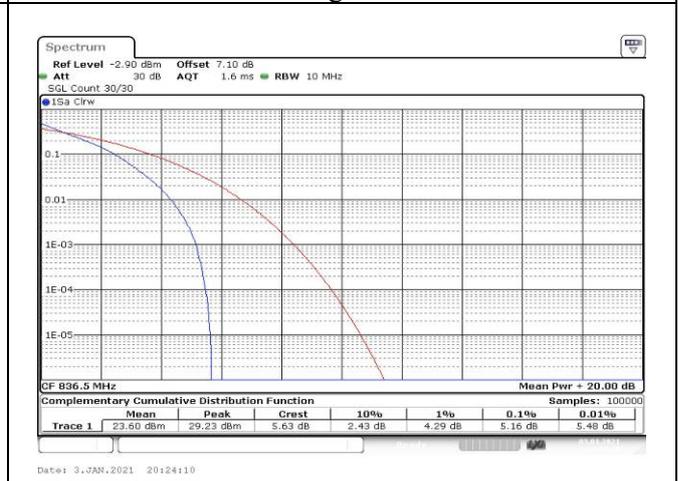


Fig.46

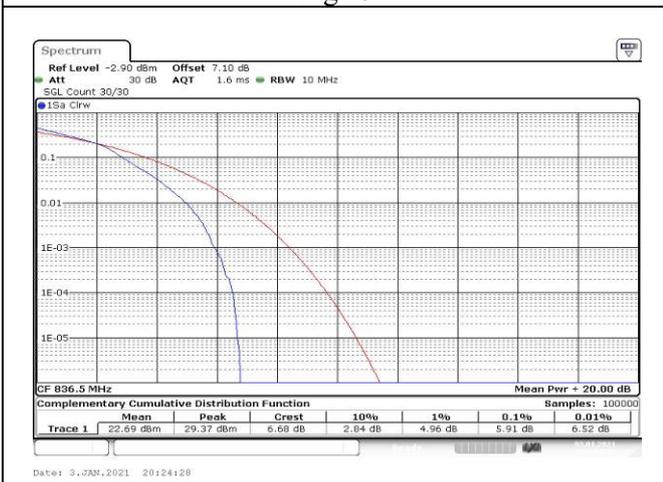


Fig.47

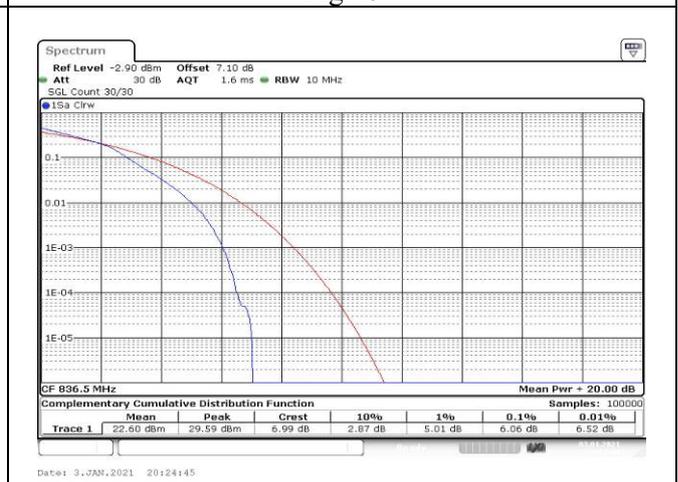


Fig.48

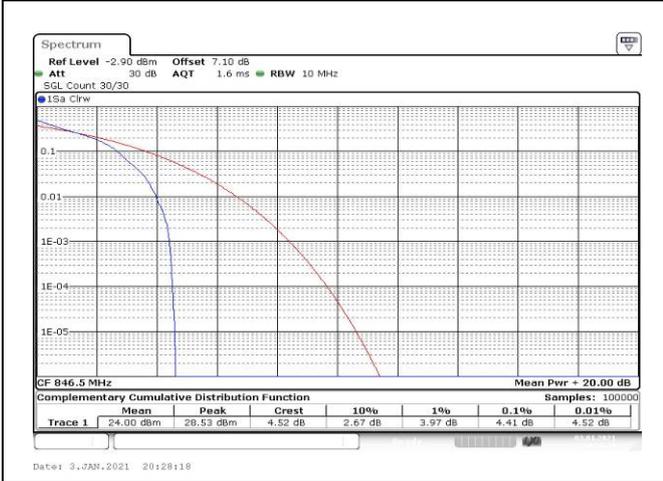


Fig.49

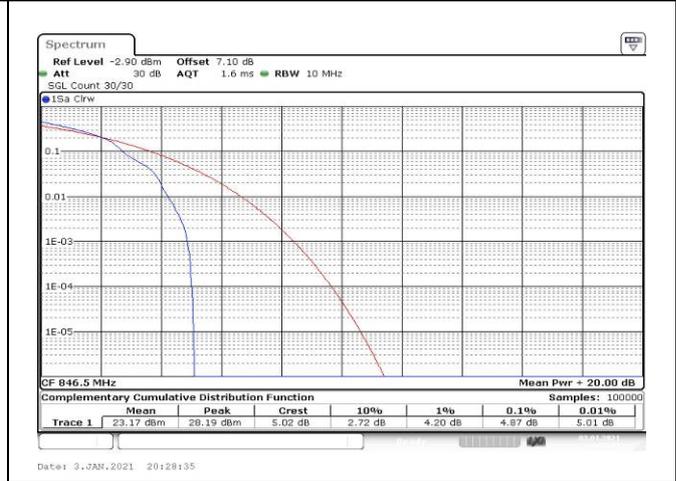


Fig.50

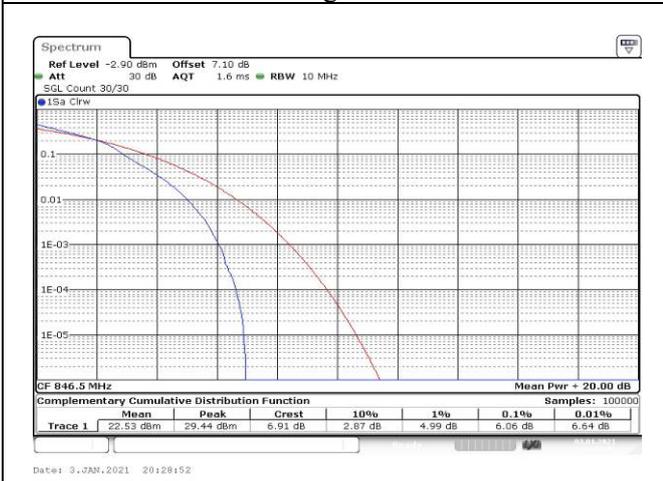


Fig.51

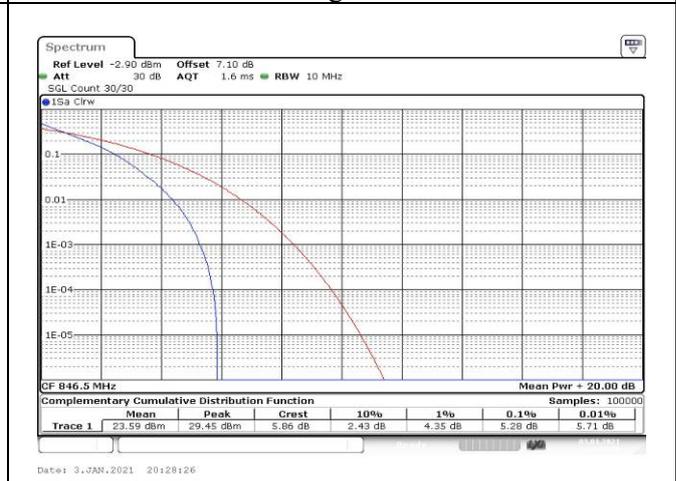


Fig.52

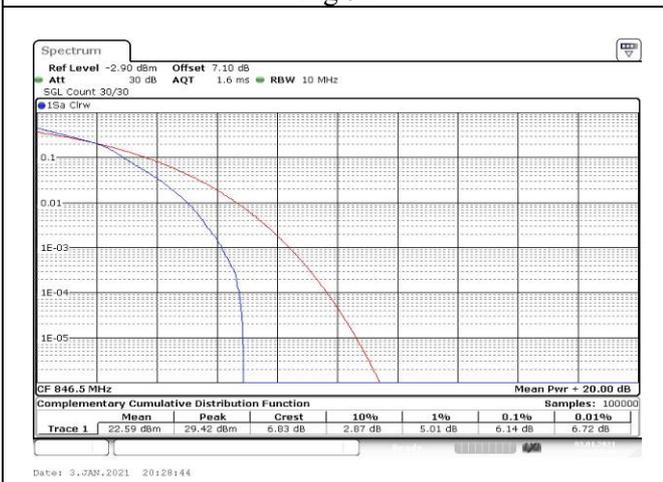


Fig.53

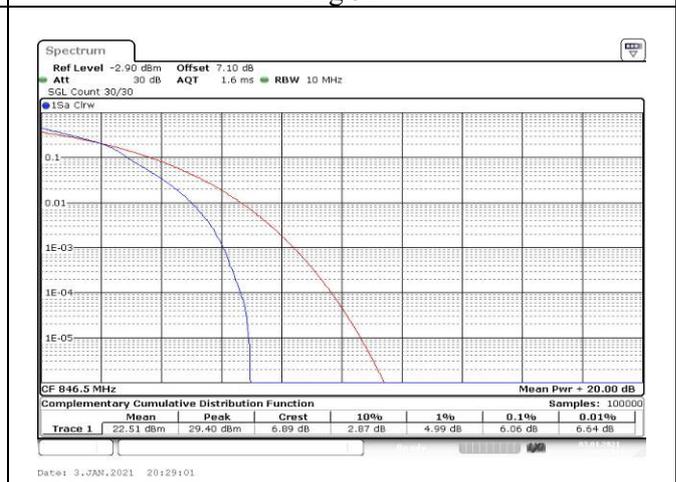


Fig.54

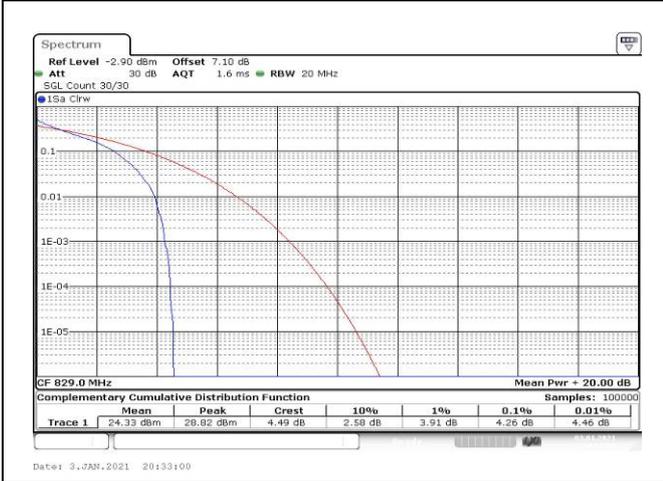


Fig.55

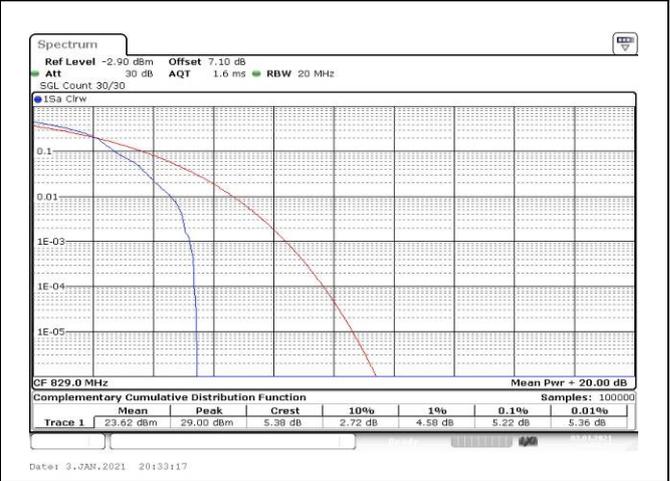


Fig.56

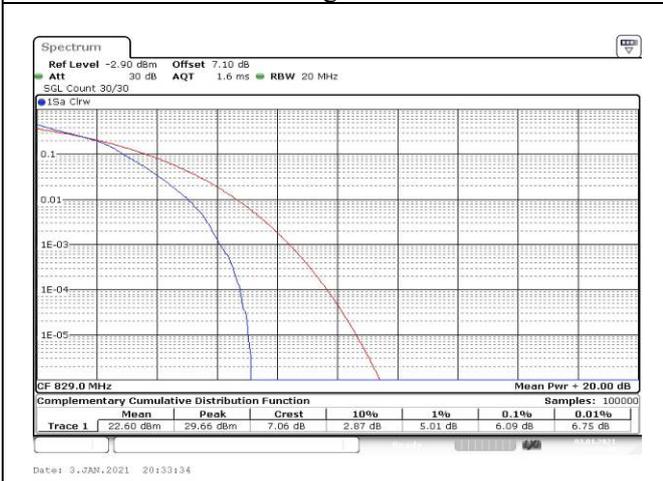


Fig.57

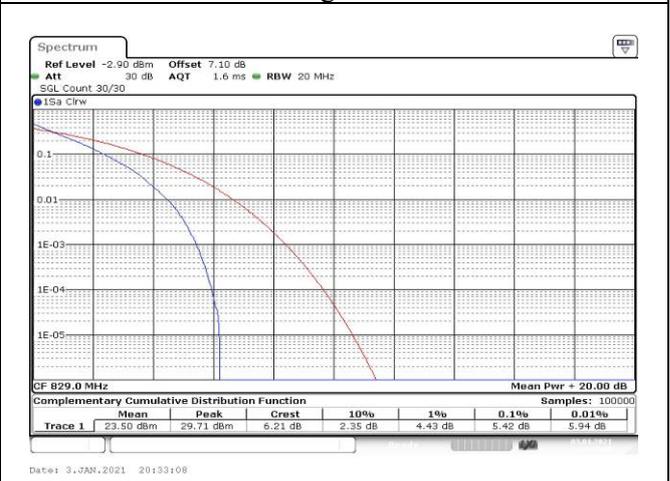


Fig.58

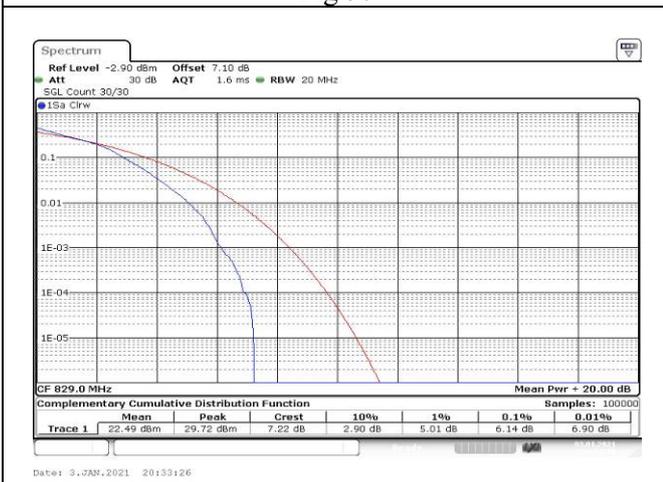


Fig.59

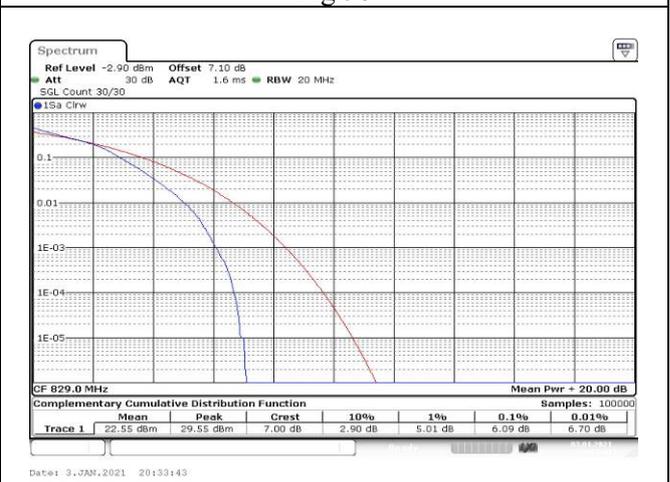


Fig.60

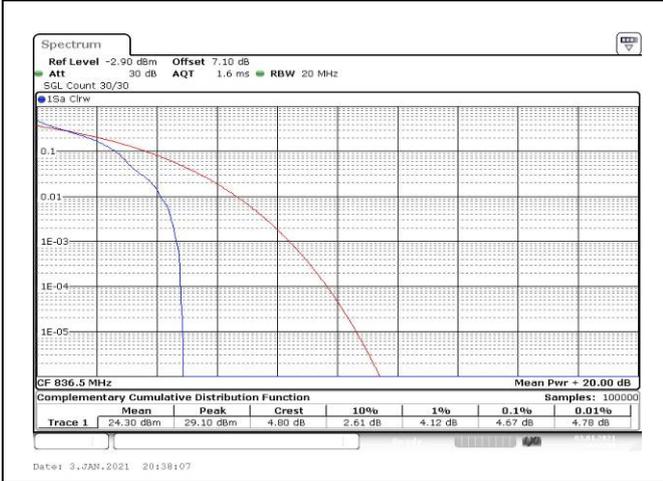


Fig.61

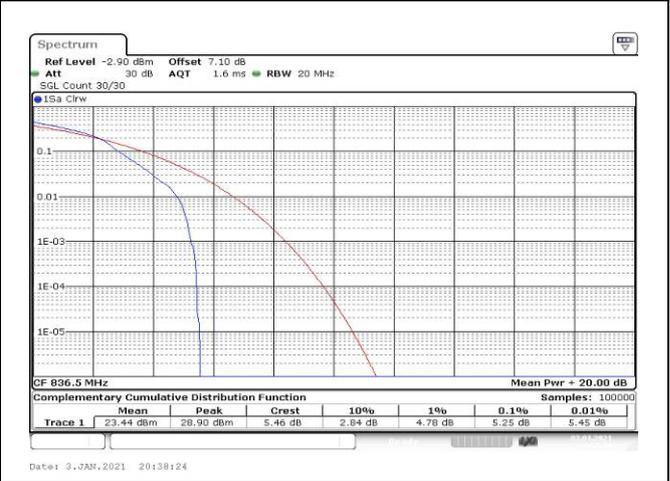


Fig.62

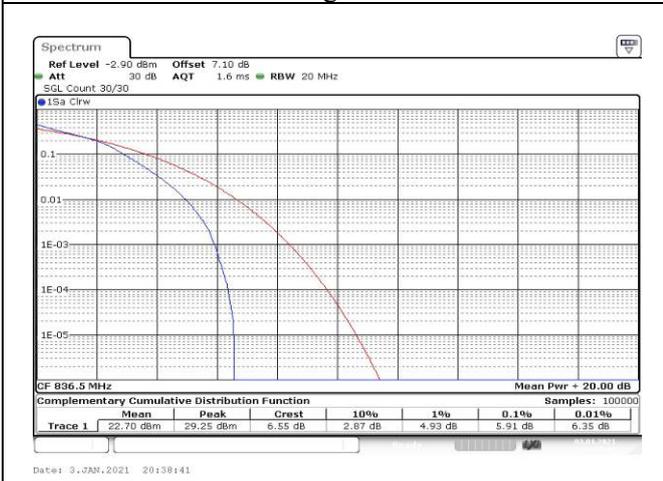


Fig.63

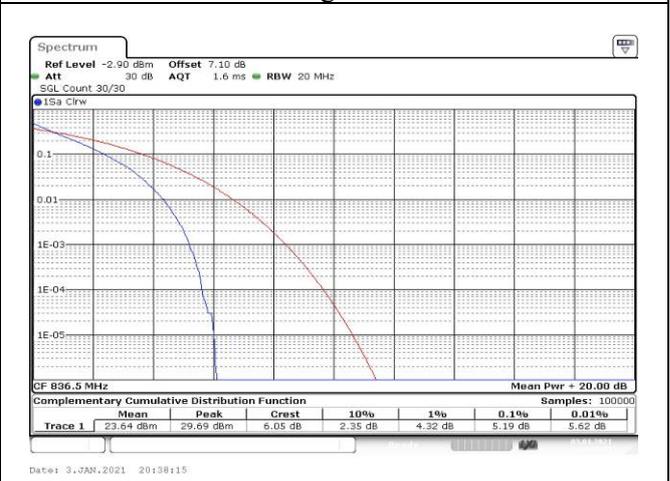


Fig.64

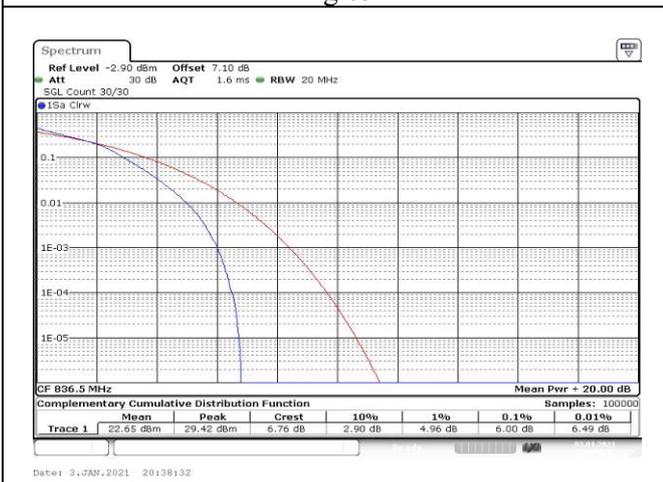


Fig.65

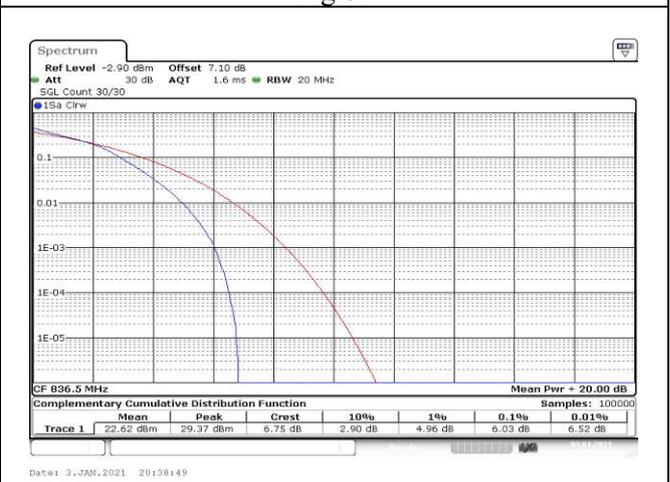


Fig.66

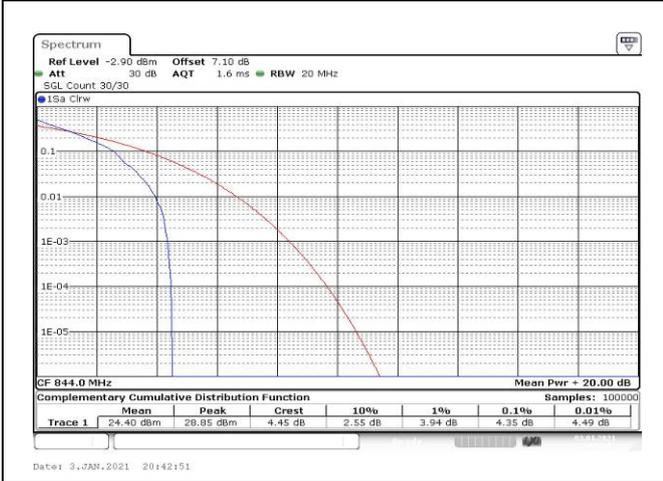


Fig.67

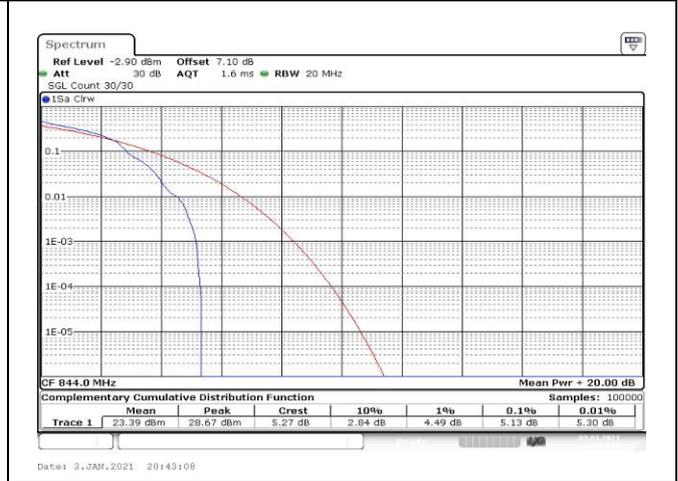


Fig.68

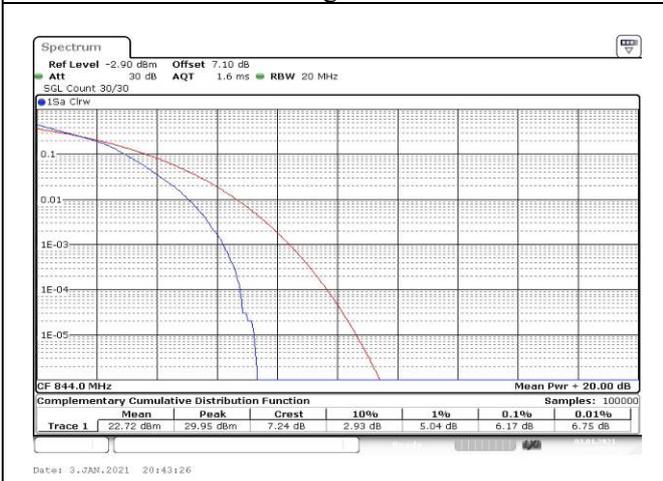


Fig.69

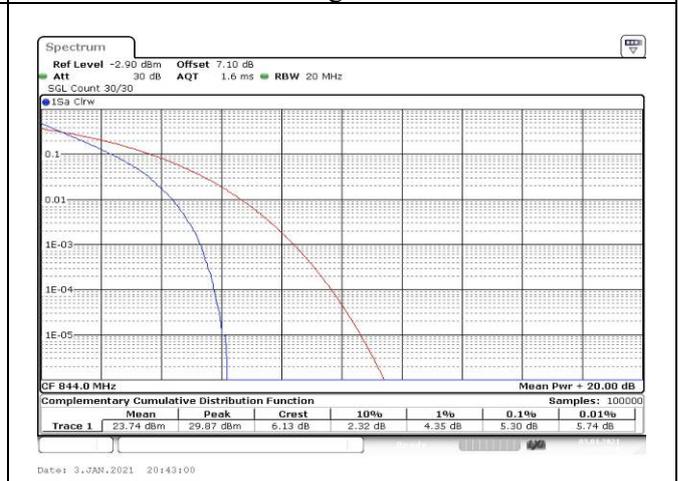


Fig.70

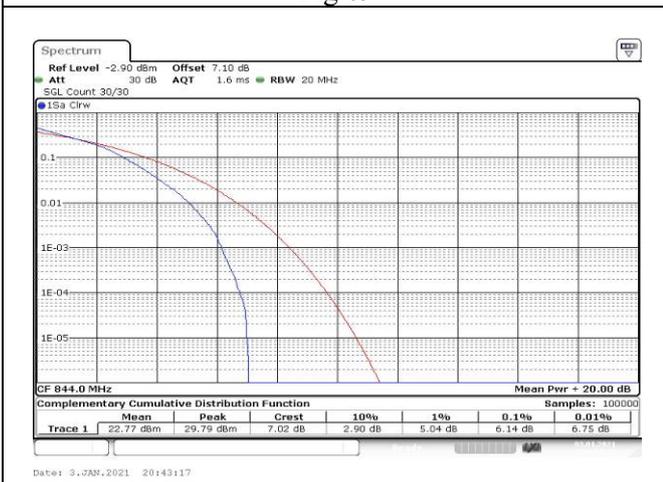


Fig.71

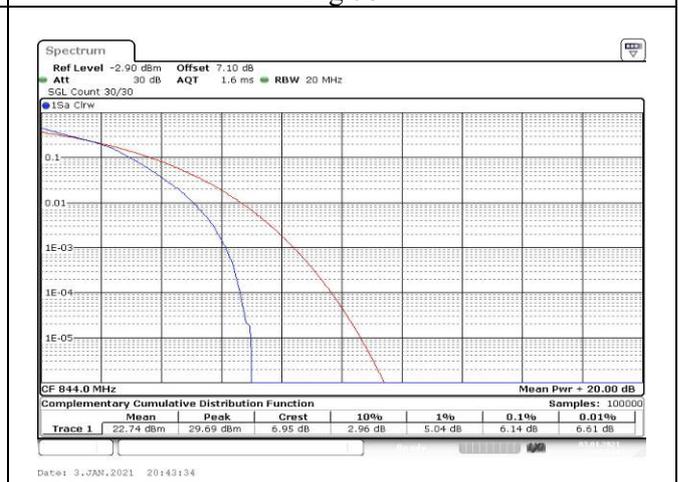


Fig.72

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

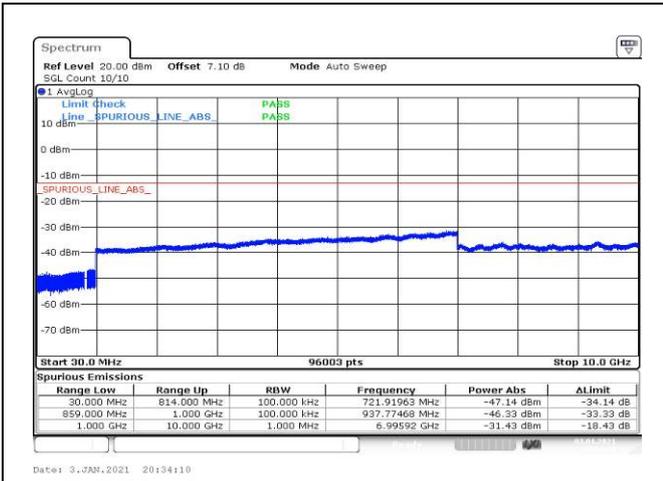


Fig.1

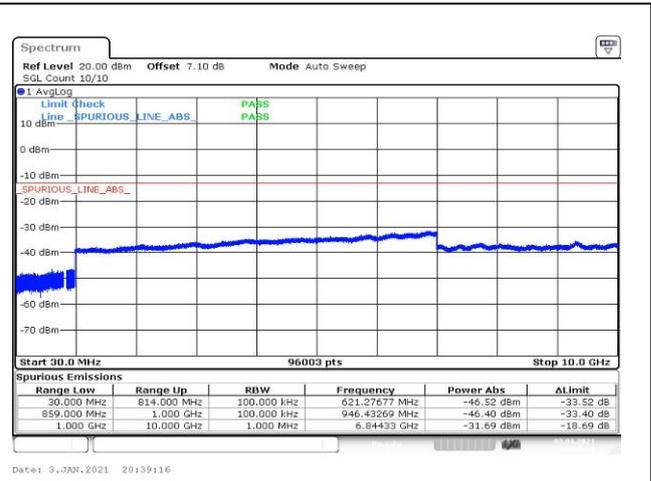


Fig.2

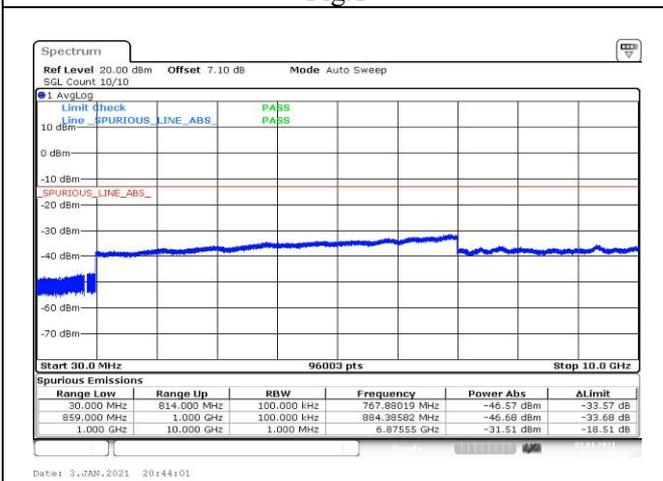


Fig.3

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
	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

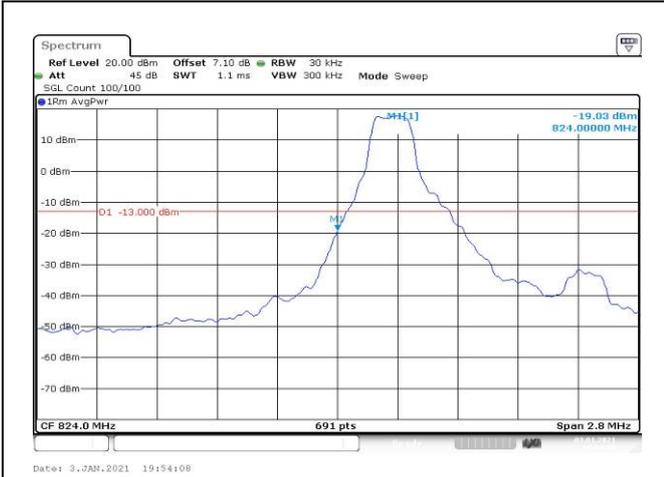


Fig.1

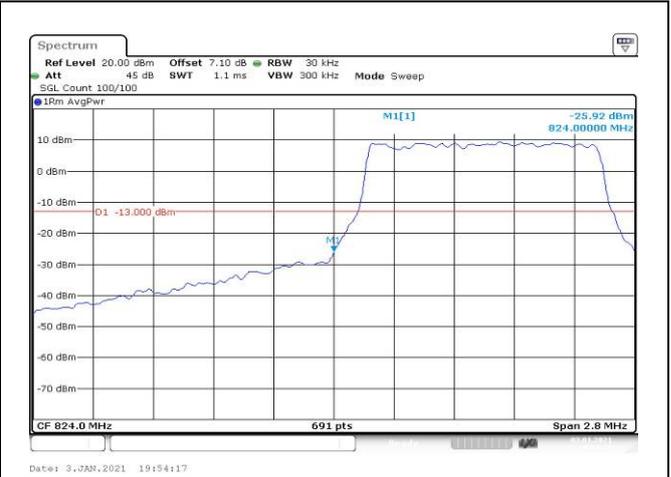


Fig.2

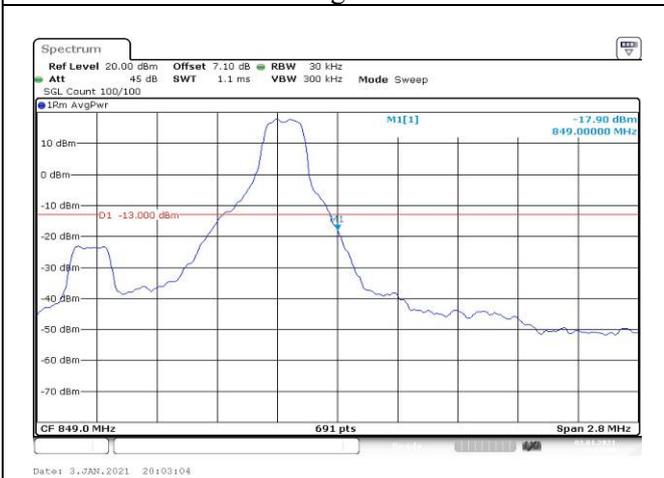


Fig.3

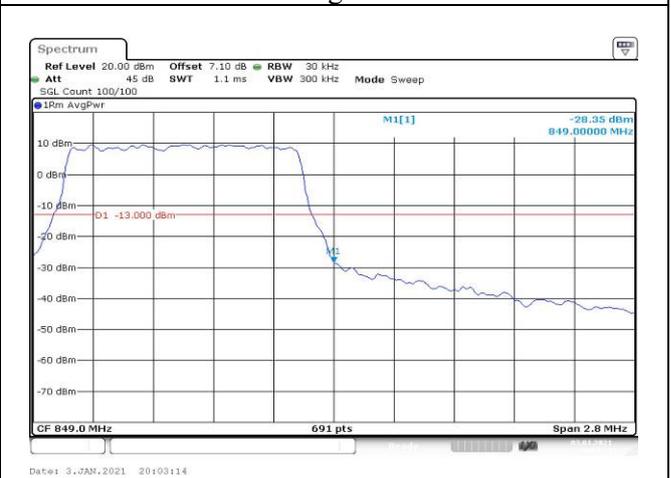


Fig.4

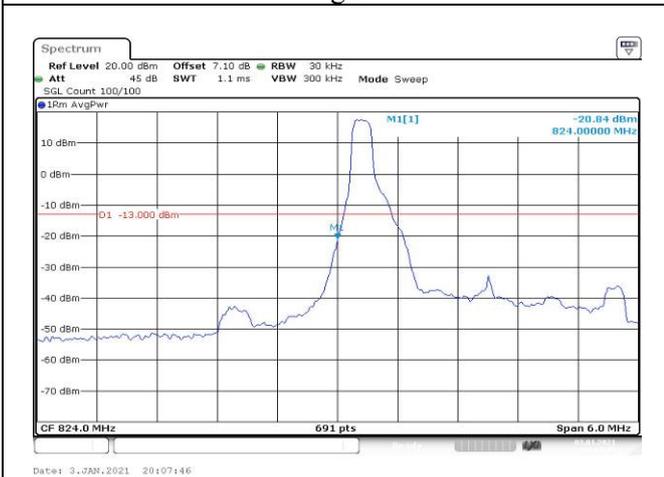


Fig.5

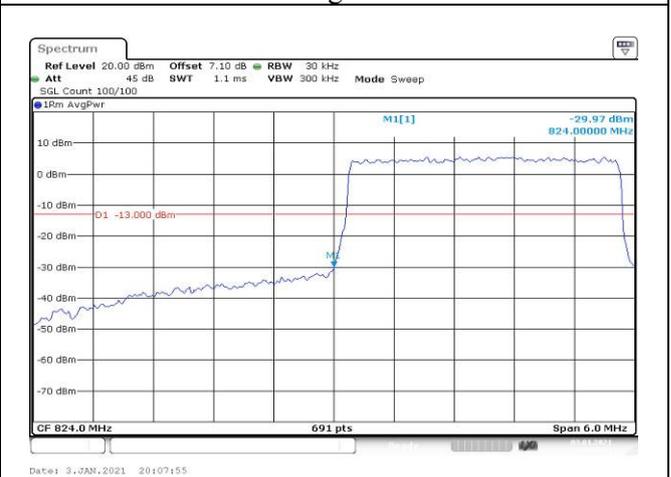


Fig.6

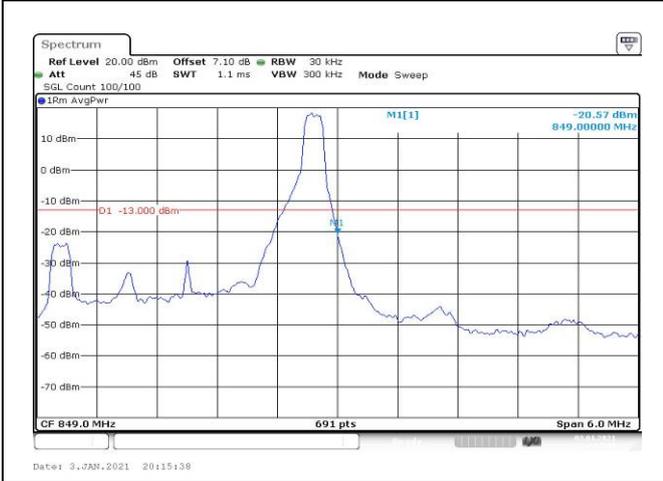


Fig.7

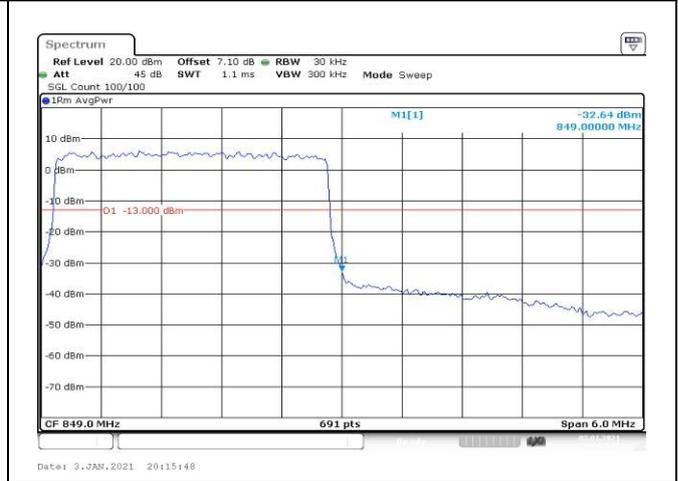


Fig.8

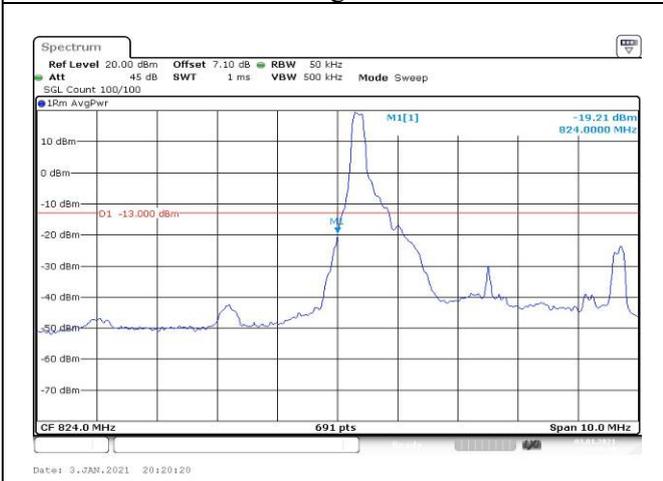


Fig.9

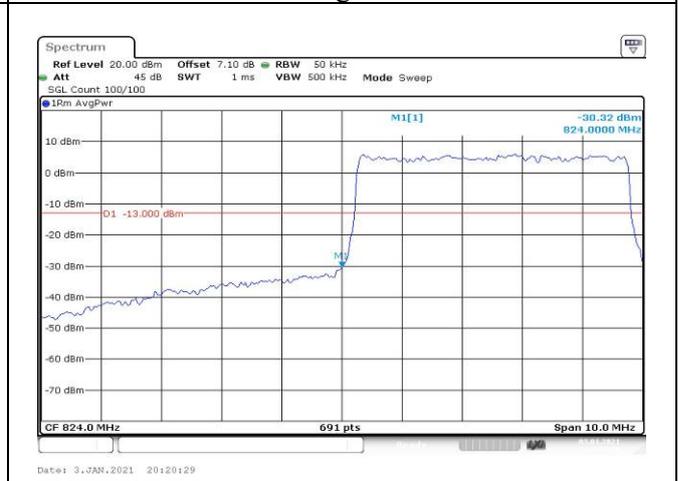


Fig.10

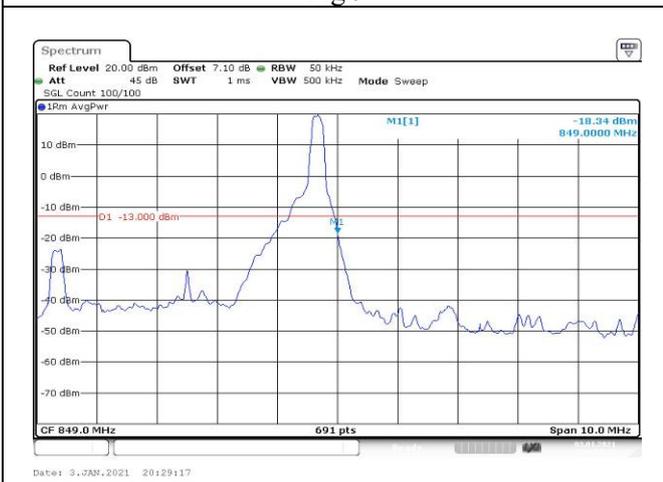


Fig.11



Fig.12

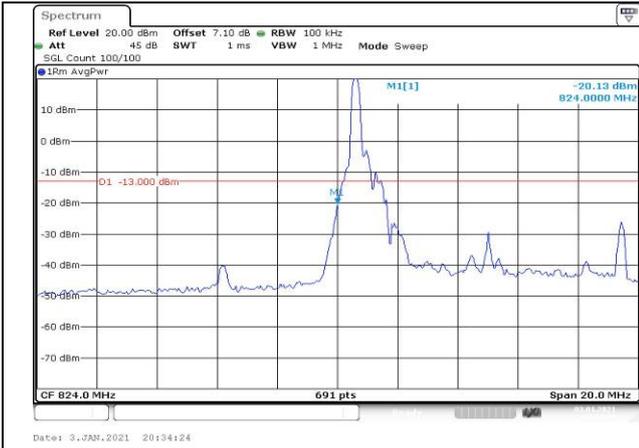


Fig.13

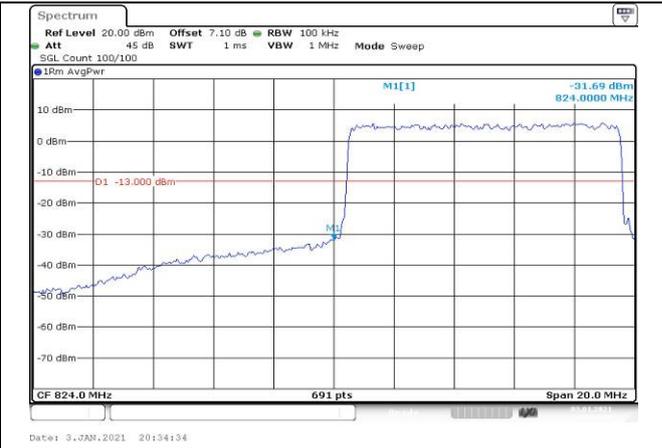


Fig.14

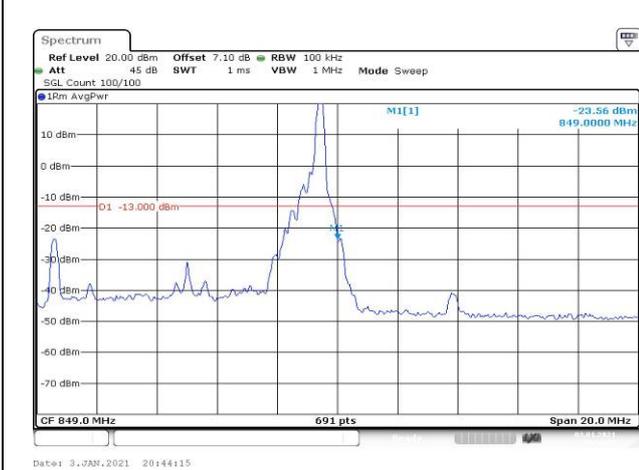


Fig.15

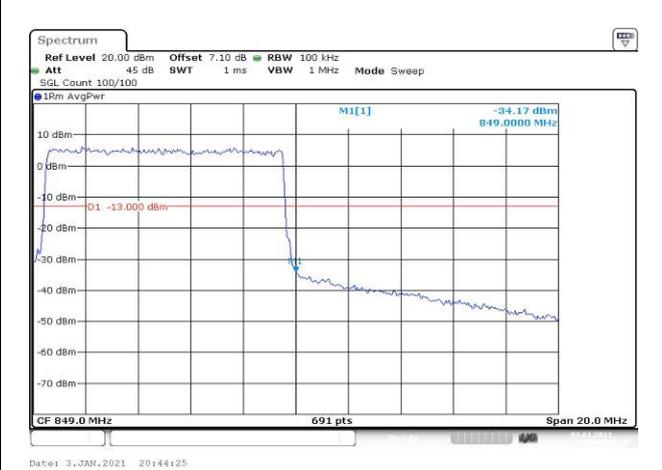


Fig.16

7 Frequency Stability

Temperature (°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.003	-0.003	-0.008	-0.004	---	---
0	NV	-0.001	-0.001	-0.011	-0.013	---	---
+10	NV	-0.004	-0.005	-0.006	-0.011	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.001	0.001	-0.010	-0.012	---	---
+40	NV	-0.002	-0.005	0.000	-0.002	---	---
+50	NV	-0.004	-0.007	-0.006	-0.013	---	---
+55	NV	-0.003	-0.005	-0.003	-0.009		
+20	LV	0.001	0.000	-0.006	-0.006	---	---
+20	HV	-0.003	-0.001	-0.012	-0.006	---	---

Temperature (°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.003	-0.003	-0.007	-0.007	---	---
0	NV	-0.004	-0.003	-0.010	-0.012	---	---
+10	NV	-0.002	-0.003	-0.013	-0.006	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.007	-0.007	-0.009	-0.008	---	---
+40	NV	-0.008	-0.011	-0.009	-0.009	---	---
+50	NV	-0.003	-0.006	-0.012	-0.007	---	---
+55	NV	-0.006	-0.005	-0.008	-0.010		
+20	LV	-0.007	-0.001	-0.005	-0.010	---	---
+20	HV	-0.006	-0.004	-0.005	-0.008	---	---

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	24.10	19.45	0.088
				1	3	24.12	19.47	0.089
				1	5	24.09	19.44	0.088
				3	0	24.22	19.57	0.091
				3	1	24.15	19.50	0.089
				3	3	24.20	19.55	0.090
	836.5	20525		6	0	23.24	18.59	0.072
				1	0	24.27	19.62	0.092
				1	3	24.26	19.61	0.091
				1	5	24.27	19.62	0.092
				3	0	24.29	19.64	0.092
				3	1	24.35	19.70	0.093
	848.3	20643		3	3	24.27	19.62	0.092
				6	0	23.36	18.71	0.074
				1	0	24.31	19.66	0.092
				1	3	24.31	19.66	0.092
				1	5	24.29	19.64	0.092
				3	0	24.39	19.74	0.094
16QAM	824.7	20407	3	1	24.47	19.82	0.096	
			3	3	24.43	19.78	0.095	
			6	0	23.37	18.72	0.074	
			1	0	23.17	18.52	0.071	
			1	3	23.31	18.66	0.073	
			1	5	23.32	18.67	0.074	
	836.5	20525	3	0	23.21	18.56	0.072	
			3	1	23.27	18.62	0.073	
			3	3	23.35	18.70	0.074	
			6	0	22.12	17.47	0.056	
			1	0	23.29	18.64	0.073	
			1	3	23.30	18.65	0.073	
	848.3	20643	1	5	23.35	18.70	0.074	
			3	0	23.57	18.92	0.078	
			3	1	23.42	18.77	0.075	
			3	3	23.61	18.96	0.079	
			6	0	22.28	17.63	0.058	
			1	0	23.42	18.77	0.075	
			1	3	23.44	18.79	0.076	
			1	5	23.40	18.75	0.075	
			3	0	23.28	18.63	0.073	
			3	1	23.34	18.69	0.074	
			3	3	23.34	18.69	0.074	
			6	0	22.50	17.85	0.061	

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	22.02	17.37	0.055
				1	3	22.05	17.40	0.055
				1	5	22.10	17.45	0.056
				3	0	22.09	17.44	0.055
				3	1	22.07	17.42	0.055
				3	3	22.11	17.46	0.056
	6	0		22.06	17.41	0.055		
	836.5	20525		1	0	22.34	17.69	0.059
				1	3	22.32	17.67	0.058
				1	5	22.26	17.61	0.058
				3	0	22.25	17.60	0.058
				3	1	22.26	17.61	0.058
				3	3	22.27	17.62	0.058
	6	0		22.27	17.62	0.058		
	848.3	20643		1	0	22.38	17.73	0.059
				1	3	22.35	17.70	0.059
				1	5	22.52	17.87	0.061
				3	0	22.42	17.77	0.060
				3	1	22.47	17.82	0.061
				3	3	22.45	17.80	0.060
	6	0		22.50	17.85	0.061		

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	24.18	19.53	0.090
				1	8	24.12	19.47	0.089
				1	14	24.14	19.49	0.089
				8	0	23.21	18.56	0.072
				8	4	23.18	18.53	0.071
				8	7	23.19	18.54	0.071
	15	0		23.25	18.60	0.072		
	836.5	20525		1	0	24.38	19.73	0.094
				1	8	24.33	19.68	0.093
				1	14	24.32	19.67	0.093
				8	0	23.43	18.78	0.076
				8	4	23.40	18.75	0.075
				8	7	23.35	18.70	0.074
	15	0		23.25	18.60	0.072		
	836.5	20525		1	0	24.35	19.70	0.093
				1	8	24.33	19.68	0.093
				1	14	24.33	19.68	0.093
				8	0	23.35	18.70	0.074
8			4	23.30	18.65	0.073		
8			7	23.30	18.65	0.073		
15	0	23.31	18.66	0.073				
16QAM	825.5	20415	1	0	23.83	19.18	0.083	
			1	8	23.79	19.14	0.082	
			1	14	23.77	19.12	0.082	
			8	0	22.44	17.79	0.060	
			8	4	22.44	17.79	0.060	
			8	7	22.43	17.78	0.060	
	15	0	22.28	17.63	0.058			
	836.5	20525	1	0	23.68	19.03	0.080	
			1	8	23.62	18.97	0.079	
			1	14	23.59	18.94	0.078	
			8	0	22.39	17.74	0.059	
			8	4	22.36	17.71	0.059	
			8	7	22.33	17.68	0.059	
	15	0	22.28	17.63	0.058			
	836.5	20525	1	0	23.51	18.86	0.077	
			1	8	23.46	18.81	0.076	
			1	14	23.44	18.79	0.076	
			8	0	22.35	17.70	0.059	
8			4	22.29	17.64	0.058		
8			7	22.26	17.61	0.058		
15	0	22.27	17.62	0.058				

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	22.25	17.60	0.058
				1	8	22.28	17.63	0.058
				1	14	22.23	17.58	0.057
				8	0	22.27	17.62	0.058
				8	4	22.27	17.62	0.058
				8	7	22.28	17.63	0.058
				15	0	22.24	17.59	0.057
	836.5	20525		1	0	22.35	17.70	0.059
				1	8	22.33	17.68	0.059
				1	14	22.28	17.63	0.058
				8	0	22.29	17.64	0.058
				8	4	22.31	17.66	0.058
				8	7	22.26	17.61	0.058
				15	0	22.25	17.60	0.058
	836.5	20525		1	0	22.19	17.54	0.057
				1	8	22.22	17.57	0.057
				1	14	22.25	17.60	0.058
				8	0	22.26	17.61	0.058
				8	4	22.24	17.59	0.057
				8	7	22.24	17.59	0.057
				15	0	22.26	17.61	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	24.16	19.51	0.089		
				1	12	24.12	19.47	0.089		
				1	24	24.20	19.55	0.090		
				12	0	23.22	18.57	0.072		
				12	7	23.29	18.64	0.073		
				12	13	23.27	18.62	0.073		
	836.5	20525		25	0	23.24	18.59	0.072		
				1	0	24.19	19.54	0.090		
				1	12	24.25	19.60	0.091		
				1	24	24.16	19.51	0.089		
				12	0	23.36	18.71	0.074		
				12	7	23.33	18.68	0.074		
				12	13	23.33	18.68	0.074		
				25	0	23.34	18.69	0.074		
				846.5	20625	1	0	24.24	19.59	0.091
						1	12	24.23	19.58	0.091
						1	24	24.30	19.65	0.092
						12	0	23.33	18.68	0.074
	12	7				23.32	18.67	0.074		
	12	13				23.40	18.75	0.075		
	16QAM	826.5		20425	25	0	23.31	18.66	0.073	
					1	0	23.13	18.48	0.070	
					1	12	23.12	18.47	0.070	
					1	24	23.14	18.49	0.071	
12			0		22.23	17.58	0.057			
12			7		22.24	17.59	0.057			
836.5		20525	12	13	22.22	17.57	0.057			
			25	0	22.34	17.69	0.059			
			1	0	23.57	18.92	0.078			
			1	12	23.43	18.78	0.076			
			1	24	23.48	18.83	0.076			
			12	0	22.36	17.71	0.059			
			12	7	22.32	17.67	0.058			
			12	13	22.38	17.73	0.059			
			25	0	22.33	17.68	0.059			
			846.5	20625	1	0	23.33	18.68	0.074	
					1	12	23.38	18.73	0.075	
					1	24	23.28	18.63	0.073	
12		0			22.37	17.72	0.059			
12		7			22.34	17.69	0.059			
12		13			22.35	17.70	0.059			
25		0	22.39	17.74	0.059					

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	22.35	17.70	0.059
				1	12	22.31	17.66	0.058
				1	24	22.31	17.66	0.058
				12	0	22.35	17.70	0.059
				12	7	22.28	17.63	0.058
				12	13	22.31	17.66	0.058
				25	0	22.36	17.71	0.059
	836.5	20525		1	0	22.33	17.68	0.059
				1	12	22.34	17.69	0.059
				1	24	22.37	17.72	0.059
				12	0	22.33	17.68	0.059
				12	7	22.35	17.70	0.059
				12	13	22.30	17.65	0.058
				25	0	22.29	17.64	0.058
	846.5	20625		1	0	22.38	17.73	0.059
				1	12	22.38	17.73	0.059
				1	24	22.38	17.73	0.059
				12	0	22.42	17.77	0.060
				12	7	22.35	17.70	0.059
				12	13	22.39	17.74	0.059
				25	0	22.36	17.71	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	24.18	19.53	0.090		
				1	25	24.23	19.58	0.091		
				1	49	24.23	19.58	0.091		
				25	0	23.29	18.64	0.073		
				25	12	23.32	18.67	0.074		
				25	25	23.32	18.67	0.074		
	836.5	20525		50	0	23.25	18.60	0.072		
				1	0	24.29	19.64	0.092		
				1	25	24.34	19.69	0.093		
				1	49	24.26	19.61	0.091		
				25	0	23.42	18.77	0.075		
				25	12	23.41	18.76	0.075		
				25	25	23.34	18.69	0.074		
				50	0	23.37	18.72	0.074		
				844	20600	1	0	24.30	19.65	0.092
						1	25	24.37	19.72	0.094
						1	49	24.36	19.71	0.094
						25	0	23.38	18.73	0.075
	25	12				23.27	18.62	0.073		
	25	25				23.35	18.70	0.074		
	16QAM	829		20450	50	0	23.41	18.76	0.075	
					1	0	23.76	19.11	0.081	
					1	25	23.81	19.16	0.082	
					1	49	23.79	19.14	0.082	
25			0		22.31	17.66	0.058			
25			12		22.36	17.71	0.059			
836.5		20525	25	25	22.38	17.73	0.059			
			50	0	22.34	17.69	0.059			
			1	0	23.45	18.80	0.076			
			1	25	23.44	18.79	0.076			
			1	49	23.44	18.79	0.076			
			25	0	22.42	17.77	0.060			
			25	12	22.36	17.71	0.059			
			25	25	22.33	17.68	0.059			
			50	0	22.38	17.73	0.059			
			844	20600	1	0	23.36	18.71	0.074	
					1	25	23.35	18.70	0.074	
					1	49	23.37	18.72	0.074	
25		0			22.50	17.85	0.061			
25		12			22.41	17.76	0.060			
25		25			22.52	17.87	0.061			
50		0	22.39	17.74	0.059					

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	22.25	17.60	0.058
				1	25	22.27	17.62	0.058
				1	49	22.34	17.69	0.059
				25	0	22.32	17.67	0.058
				25	12	22.28	17.63	0.058
				25	25	22.35	17.70	0.059
				50	0	22.35	17.70	0.059
	836.5	20525		1	0	22.36	17.71	0.059
				1	25	22.43	17.78	0.060
				1	49	22.41	17.76	0.060
				25	0	22.34	17.69	0.059
				25	12	22.41	17.76	0.060
				25	25	22.42	17.77	0.060
				50	0	22.36	17.71	0.059
	844	20600		1	0	22.40	17.75	0.060
				1	25	22.45	17.80	0.060
				1	49	22.40	17.75	0.060
				25	0	22.38	17.73	0.059
				25	12	22.38	17.73	0.059
				25	25	22.34	17.69	0.059
				50	0	22.44	17.79	0.060