

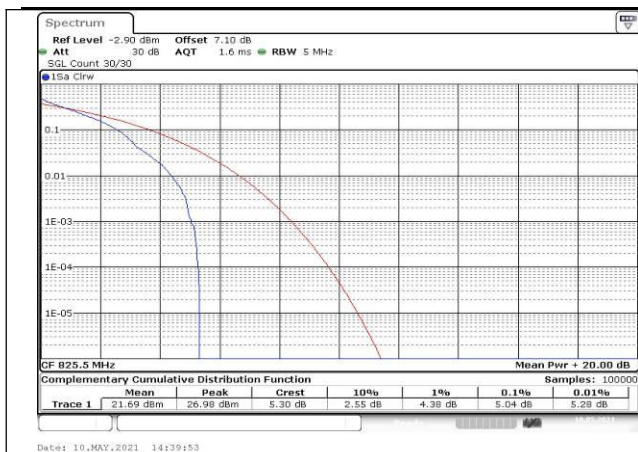


Fig.19

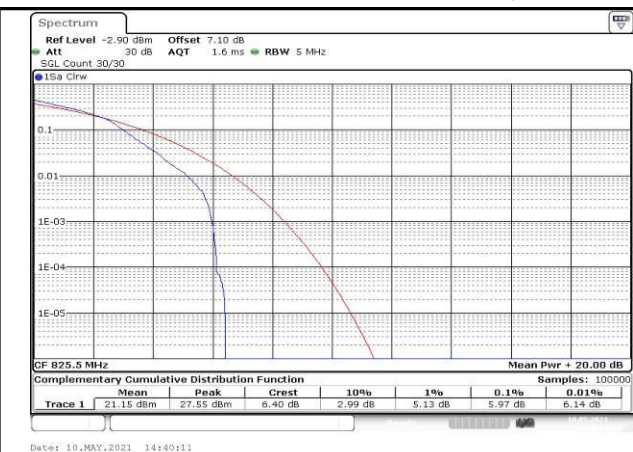


Fig.20

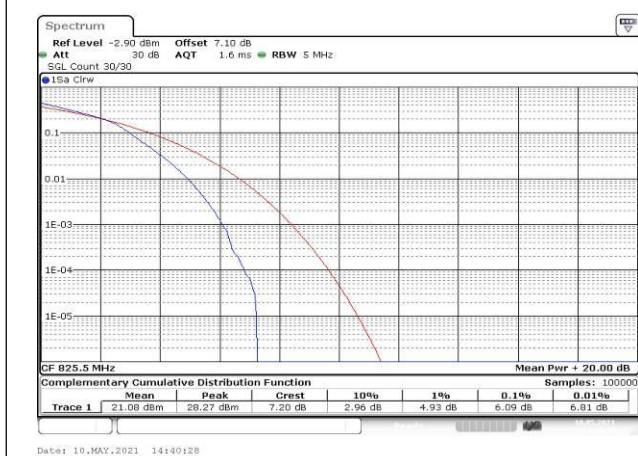


Fig.21

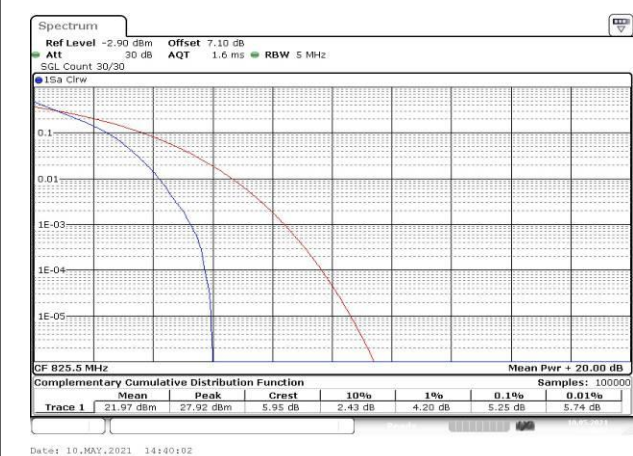


Fig.22

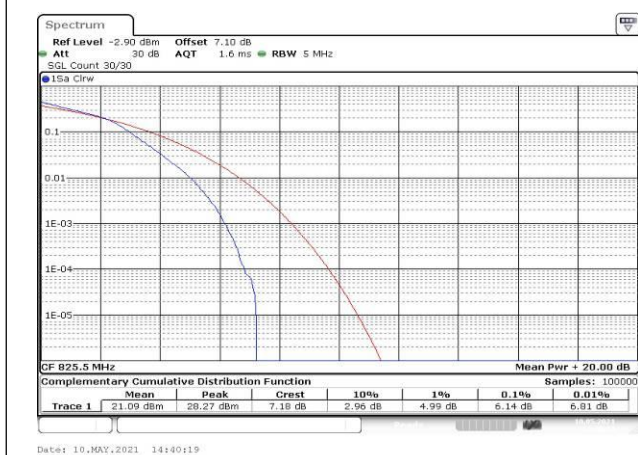


Fig.23

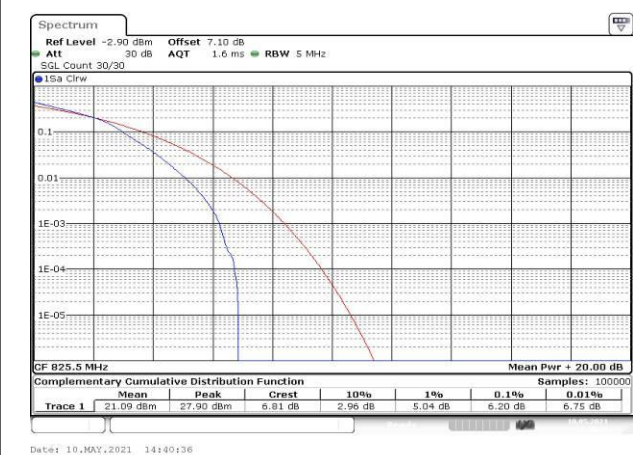


Fig.24



Fig.25

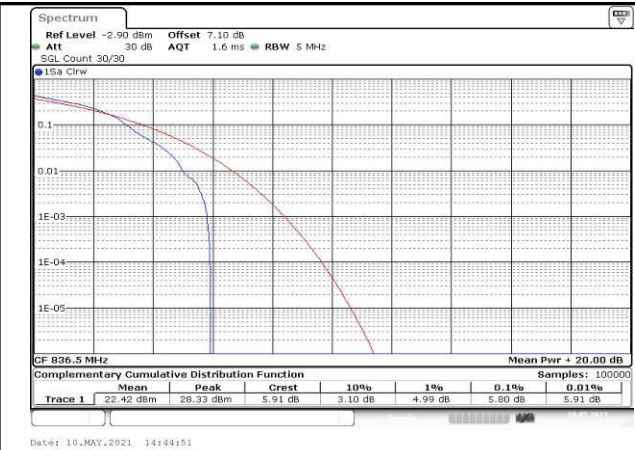


Fig.26

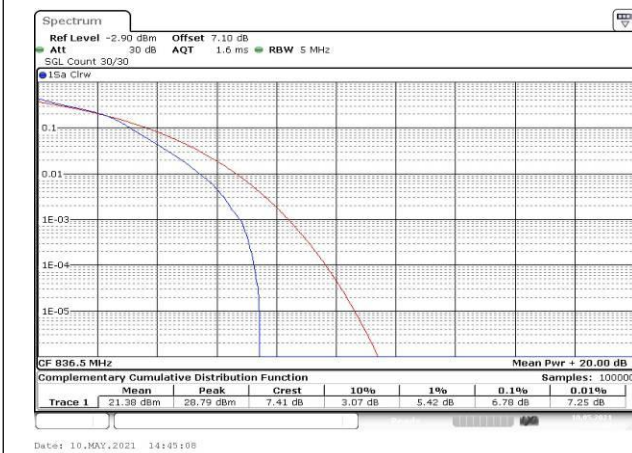


Fig.27

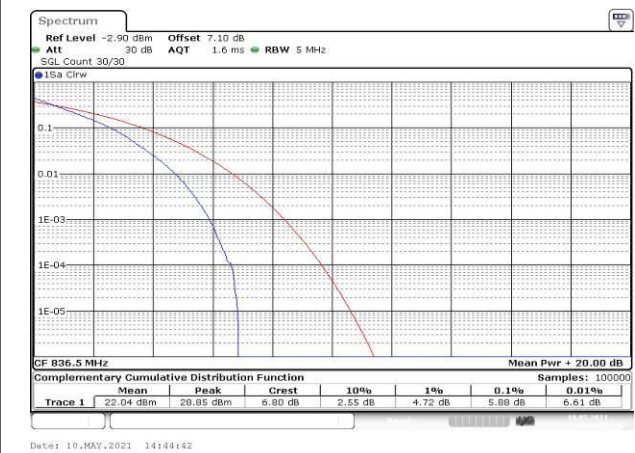


Fig.28

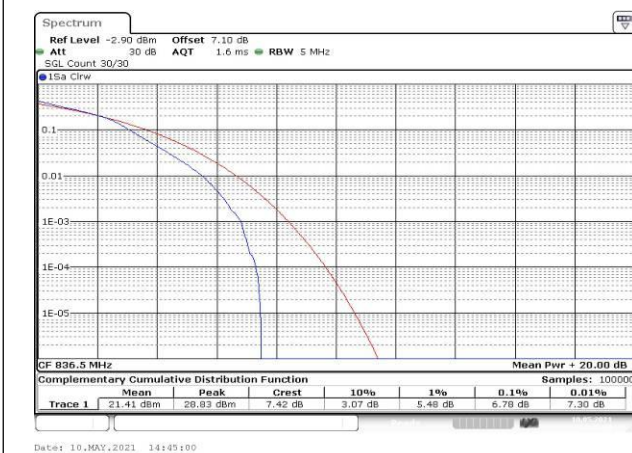


Fig.29

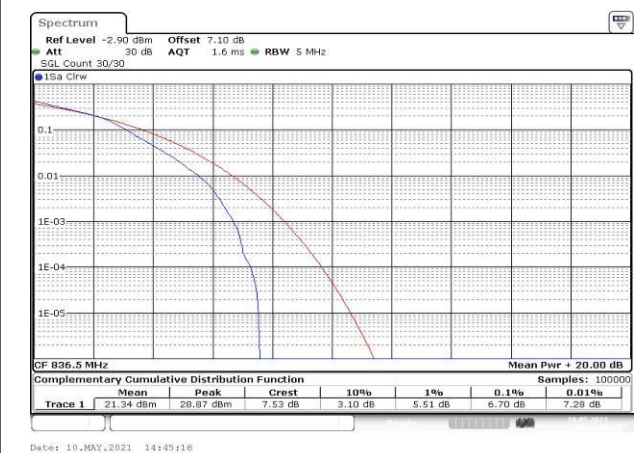


Fig.30

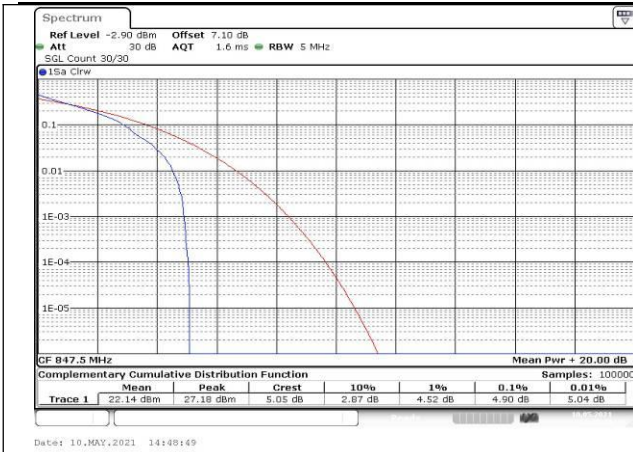


Fig.31

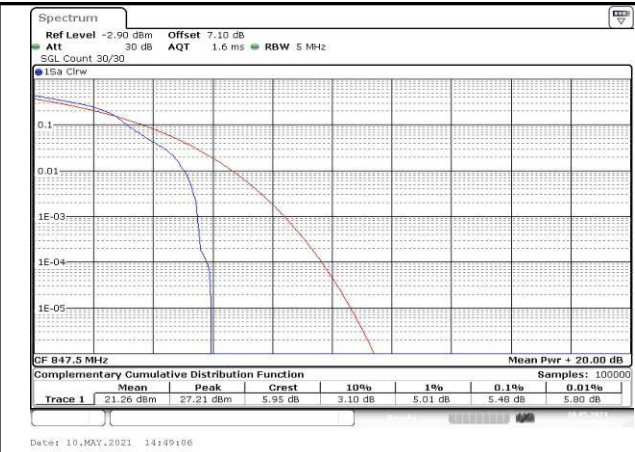


Fig.32

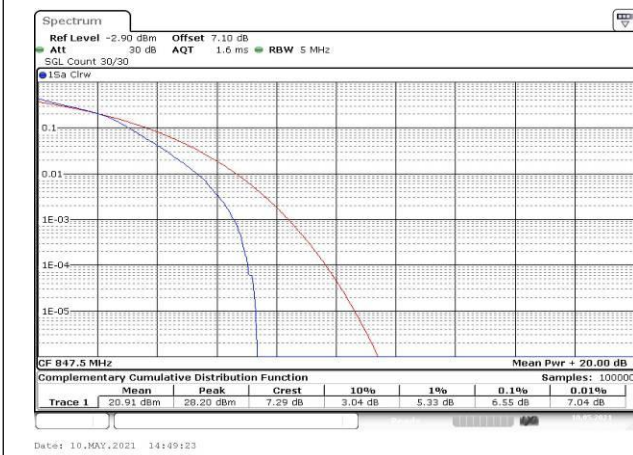


Fig.33

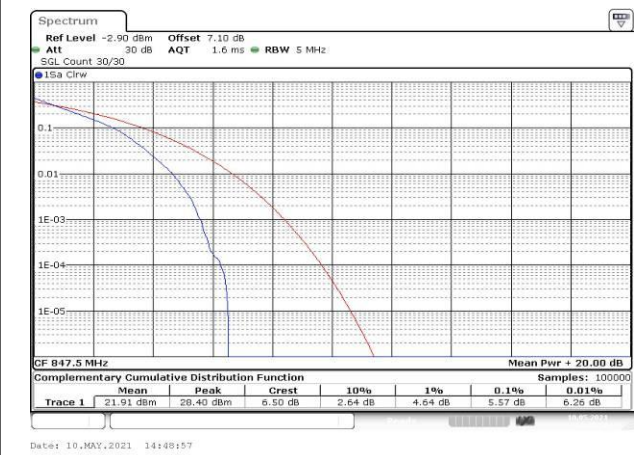


Fig.34

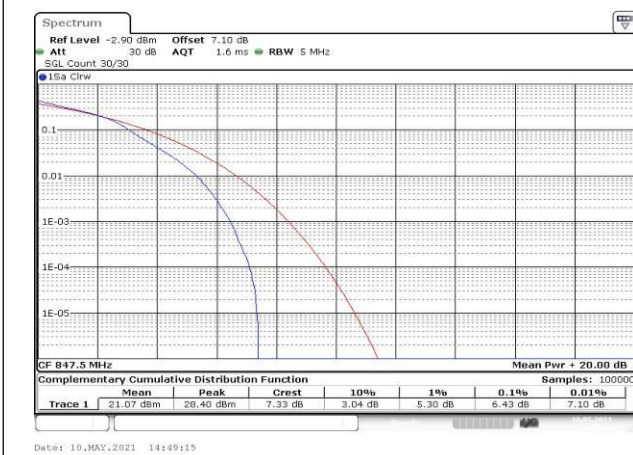


Fig.35

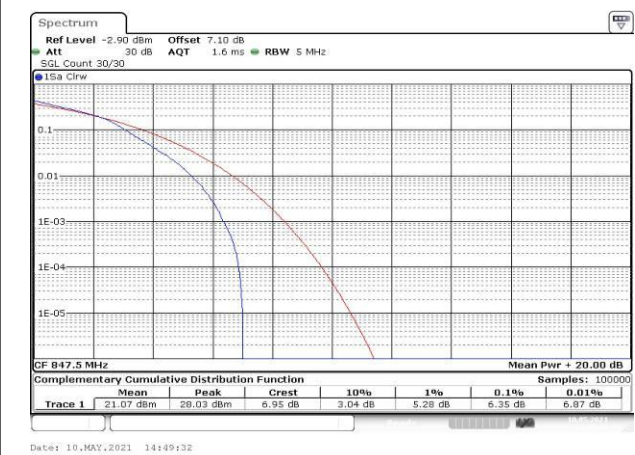


Fig.36



Fig.37

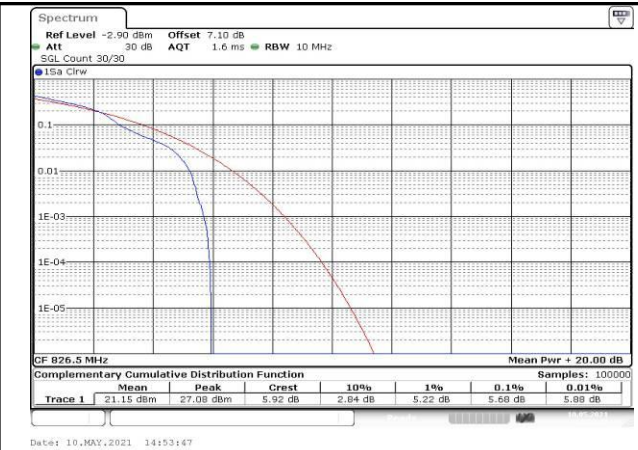


Fig.38

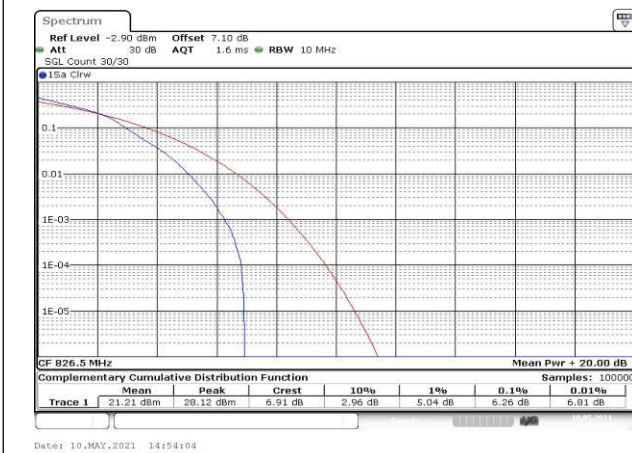


Fig.39

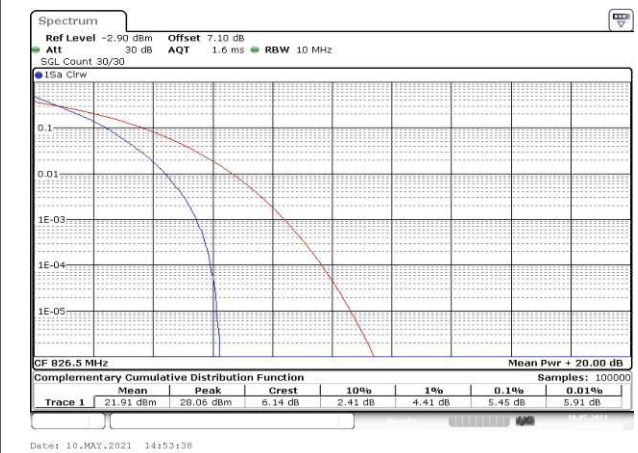


Fig.40

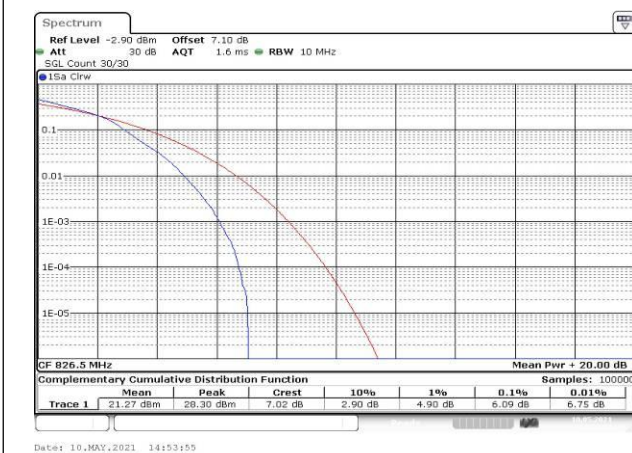


Fig.41

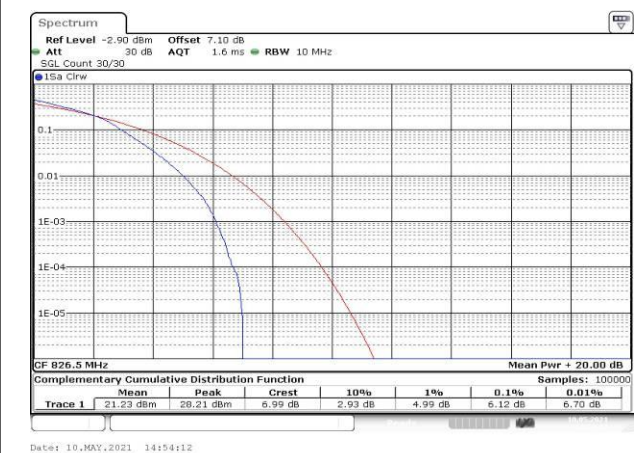


Fig.42

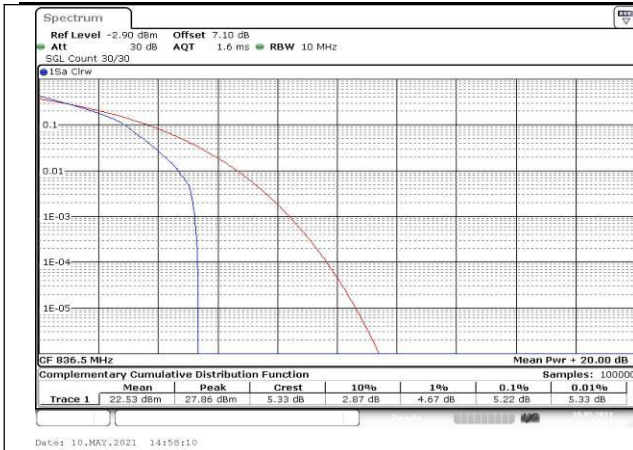


Fig.43

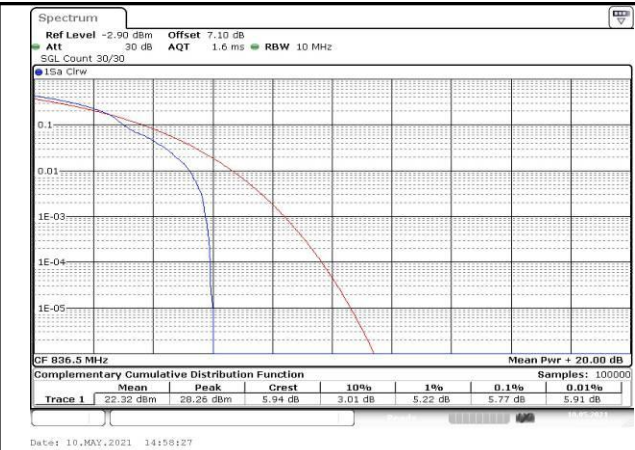


Fig.44

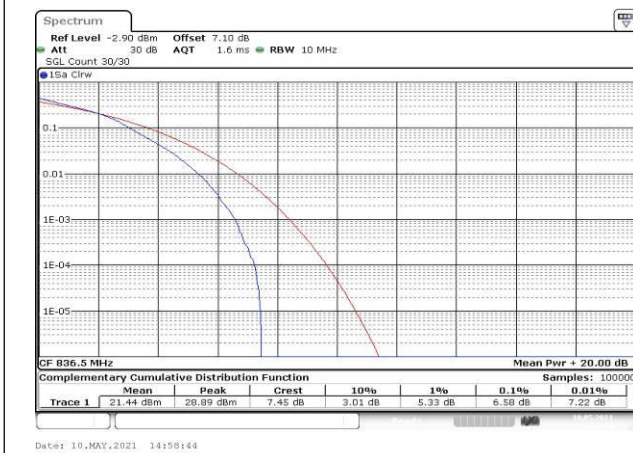


Fig.45

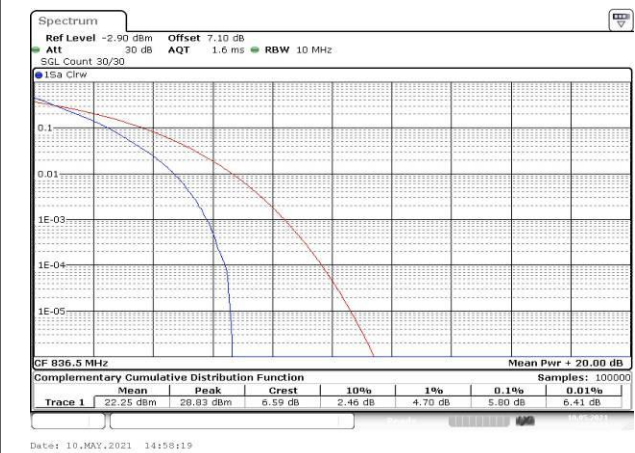


Fig.46

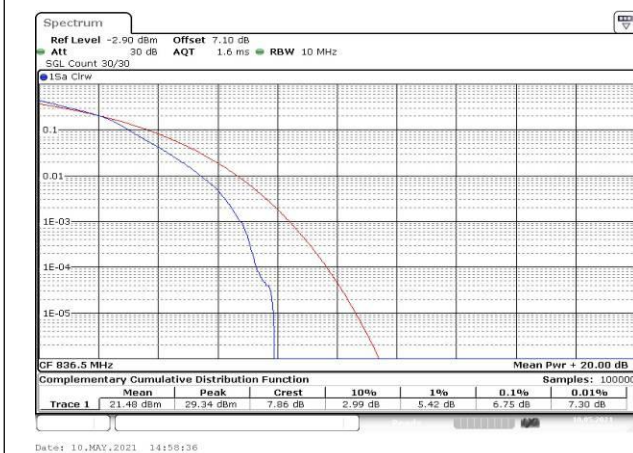


Fig.47

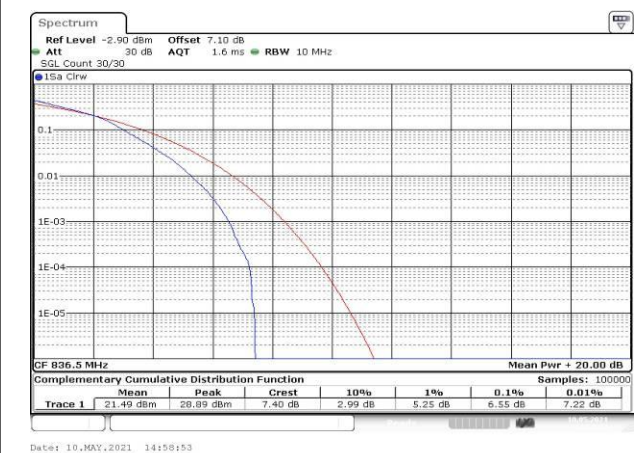


Fig.48

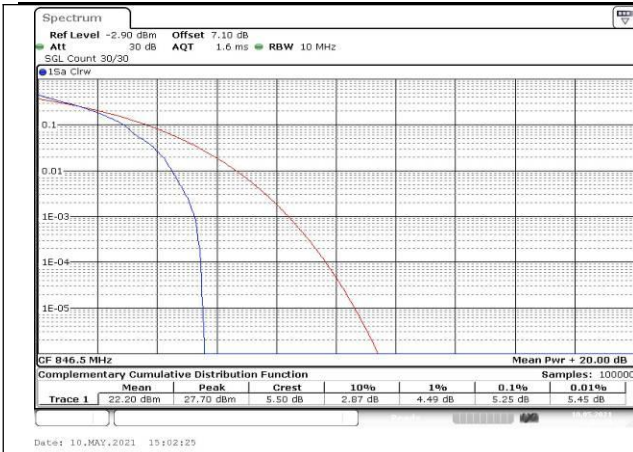


Fig.49

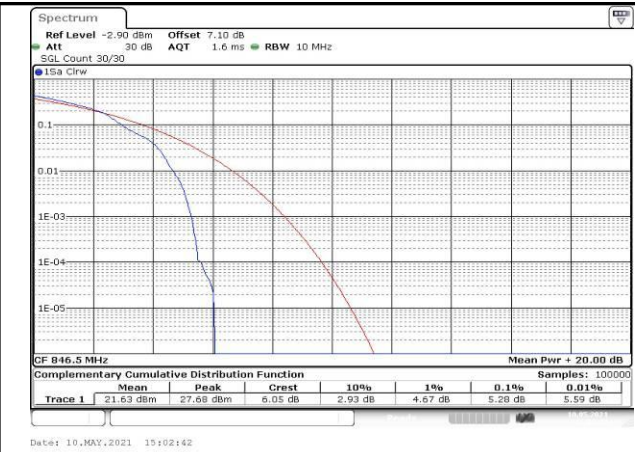


Fig.50

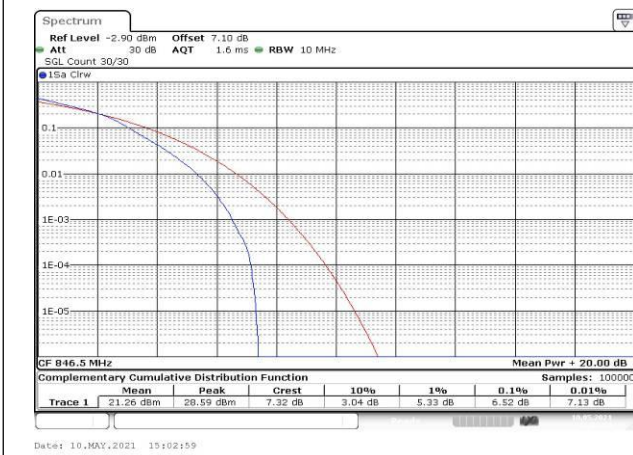


Fig.51

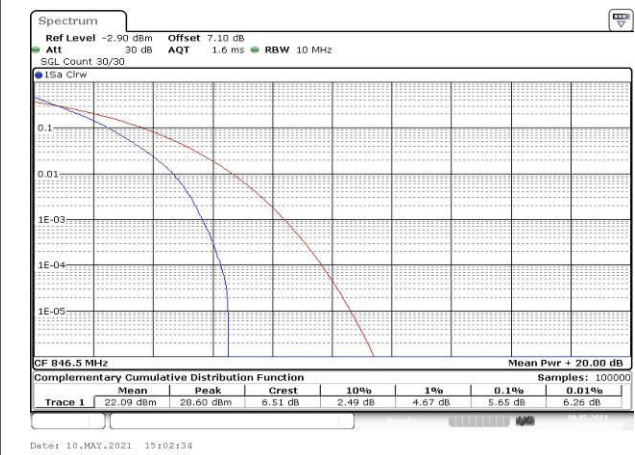


Fig.52

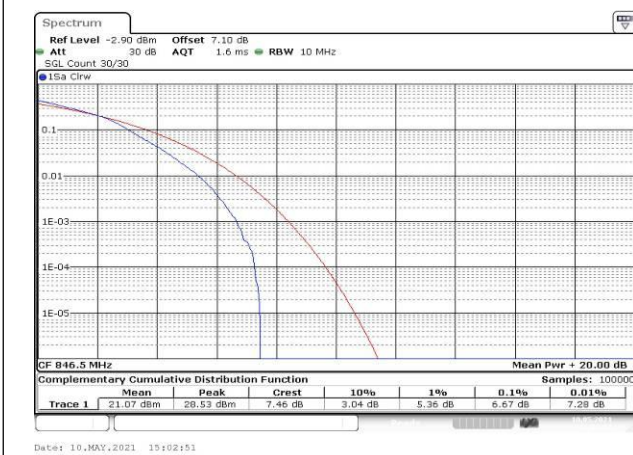


Fig.53

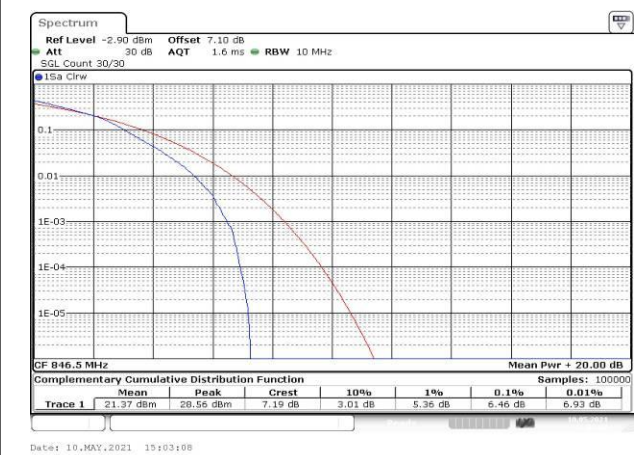


Fig.54

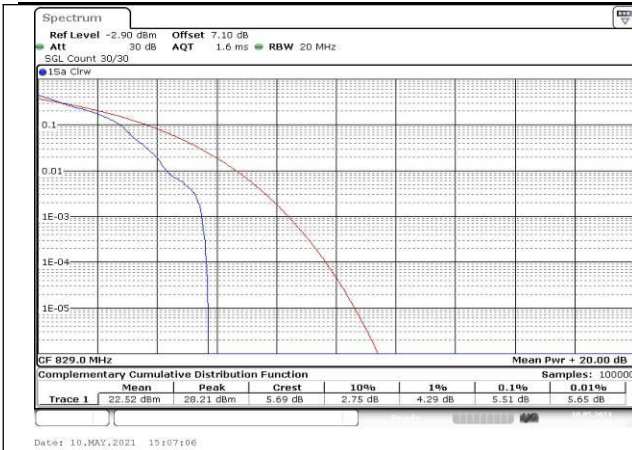


Fig.55

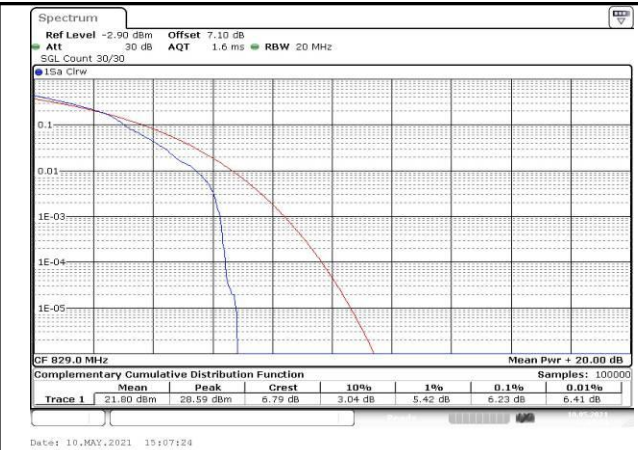


Fig.56

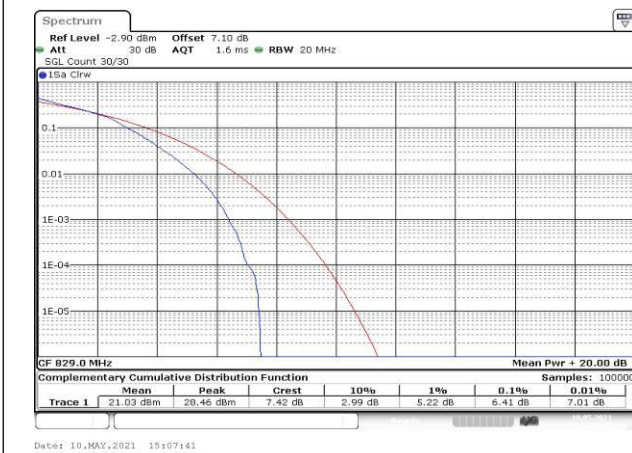


Fig.57

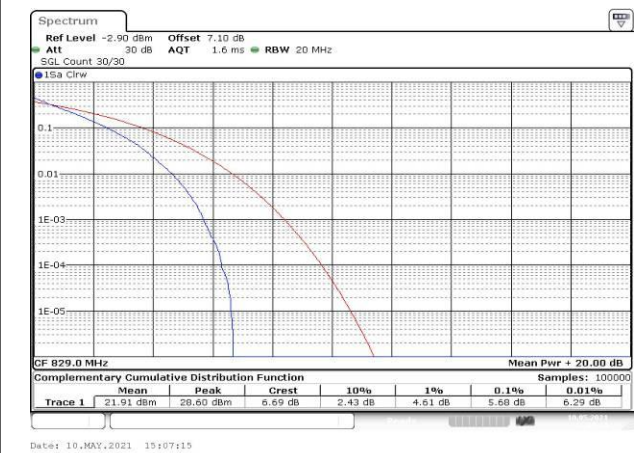


Fig.58

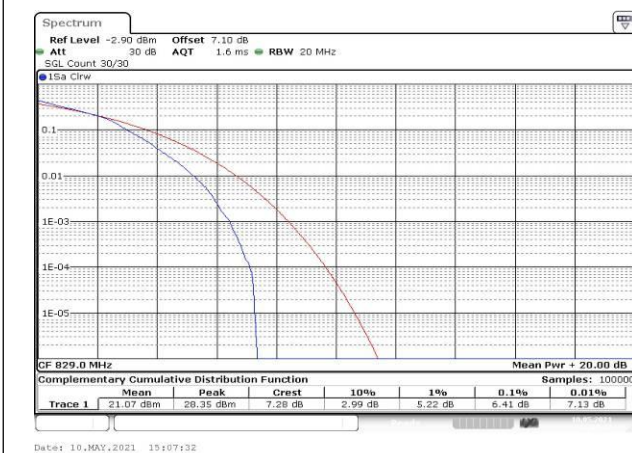


Fig.59

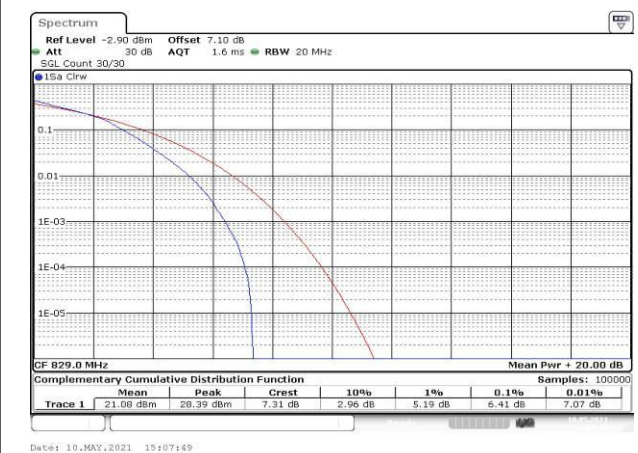


Fig.60



Fig.61

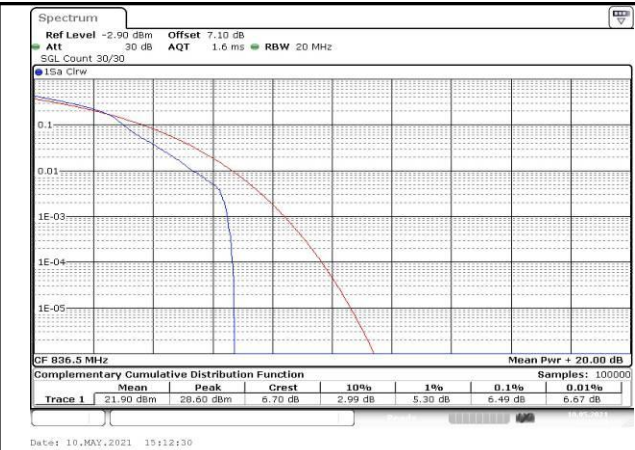


Fig.62

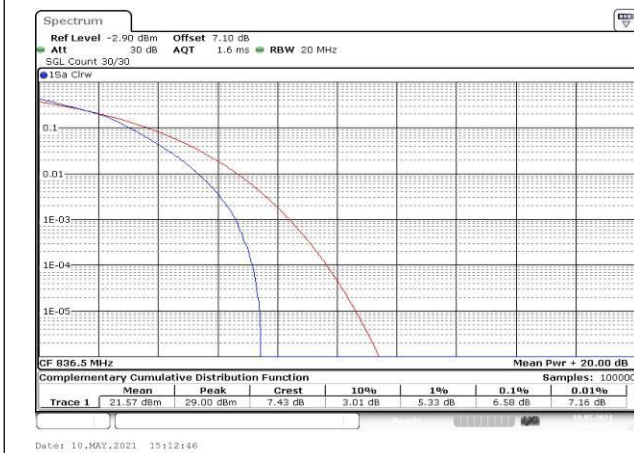


Fig.63

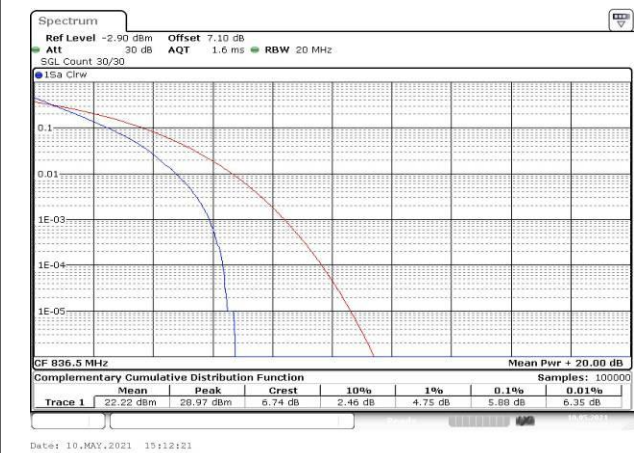


Fig.64

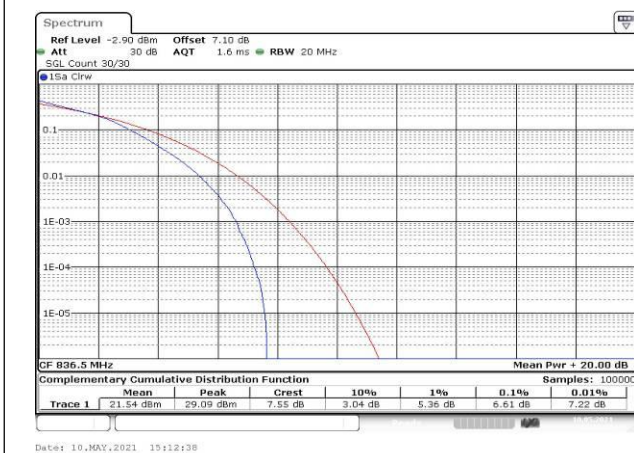


Fig.65

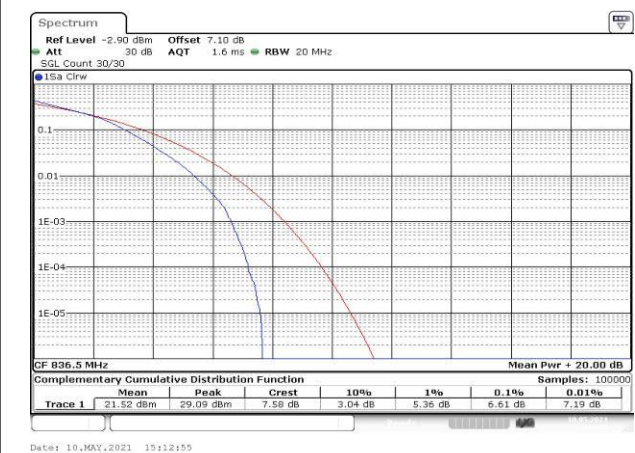


Fig.66

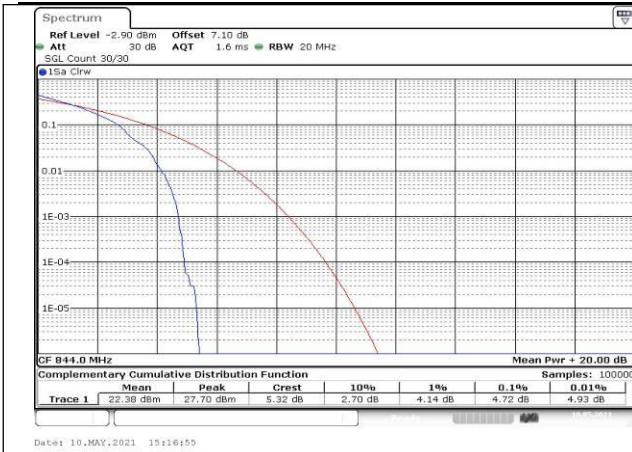


Fig.67

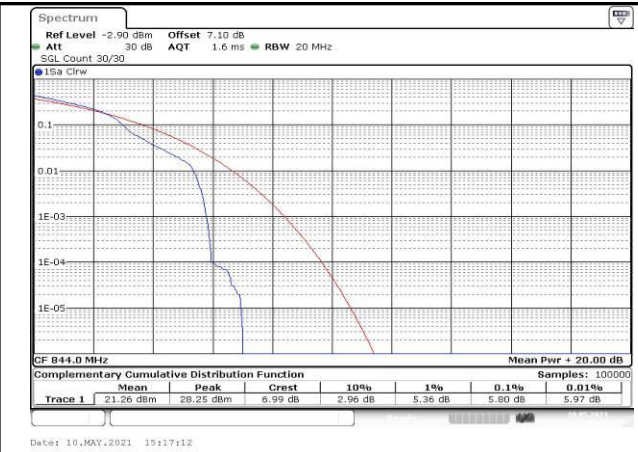


Fig.68

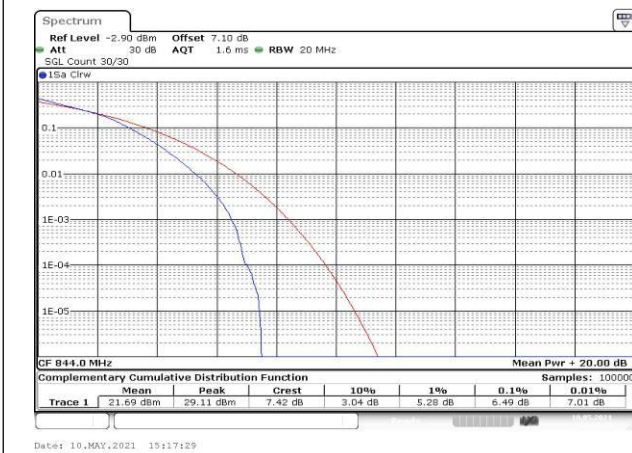


Fig.69

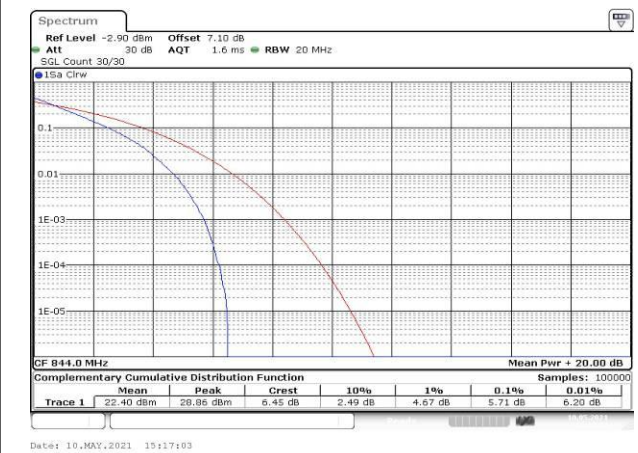


Fig.70

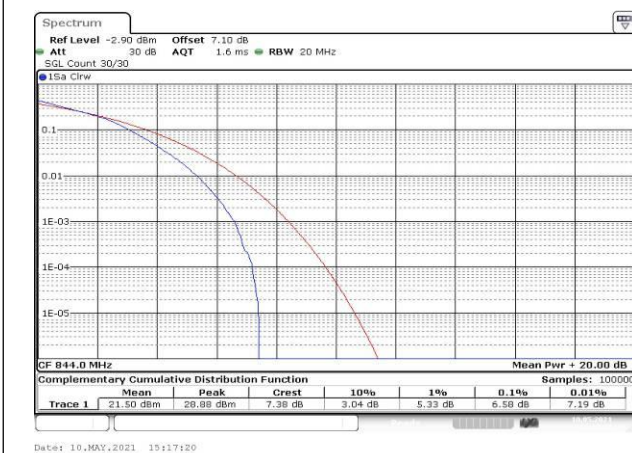


Fig.71

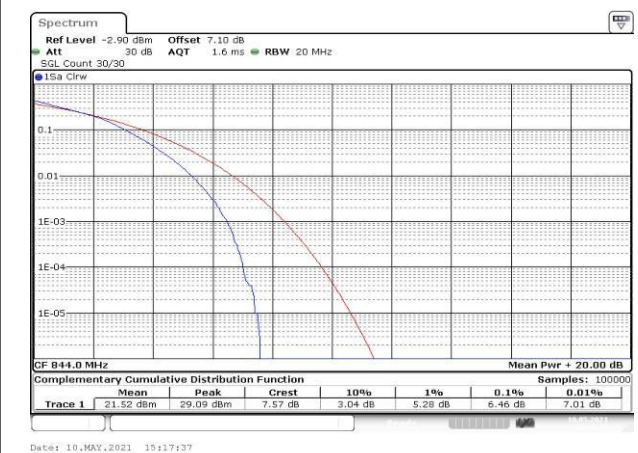


Fig.72

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

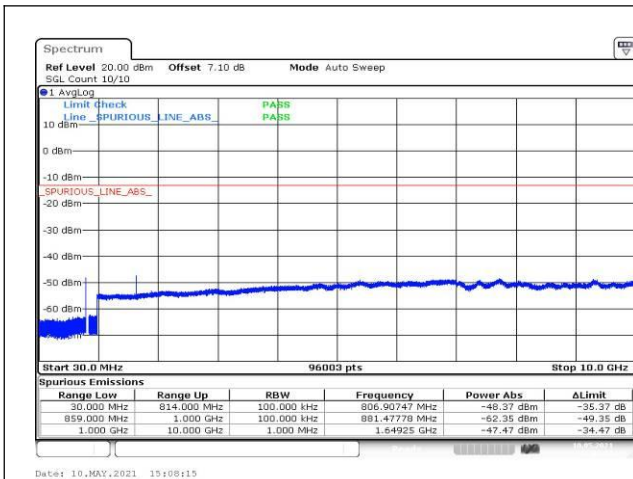


Fig.1

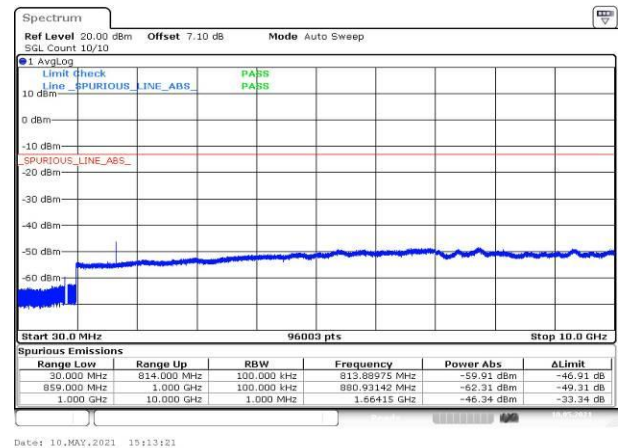


Fig.2

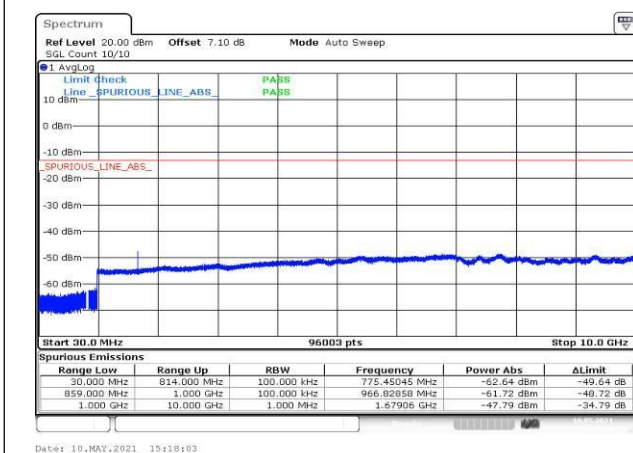


Fig.3

6 Band Edges Compliance

Band 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

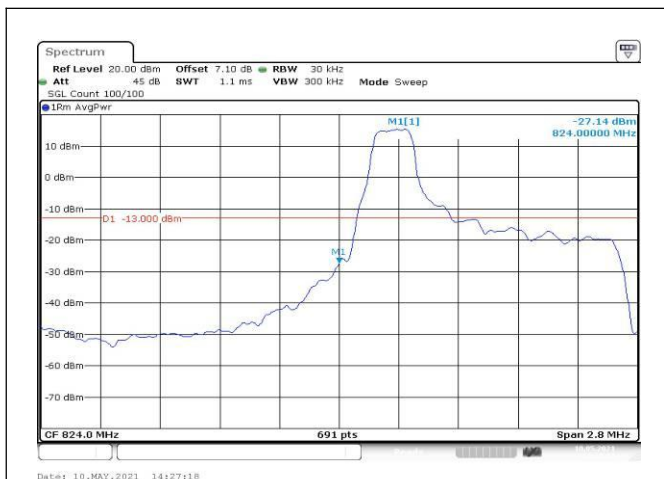


Fig.1

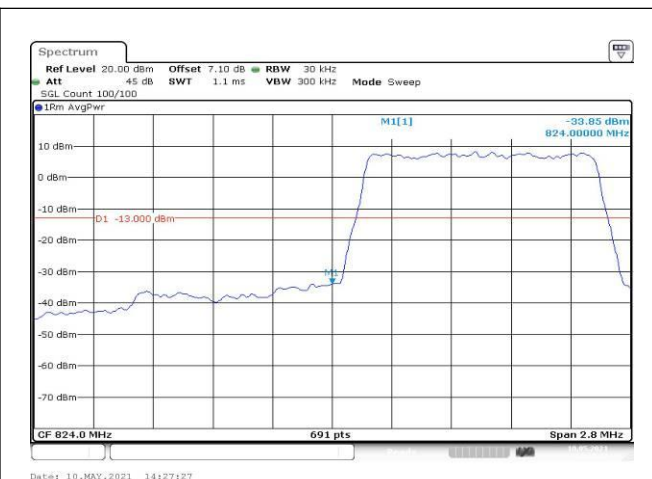


Fig.2

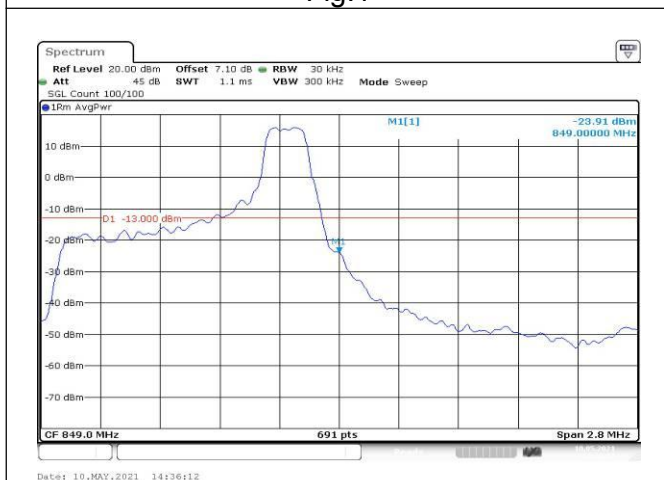


Fig.3



Fig.4

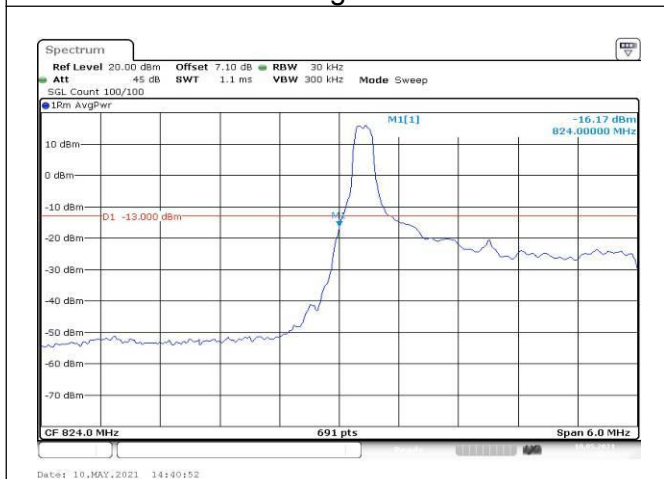


Fig.5

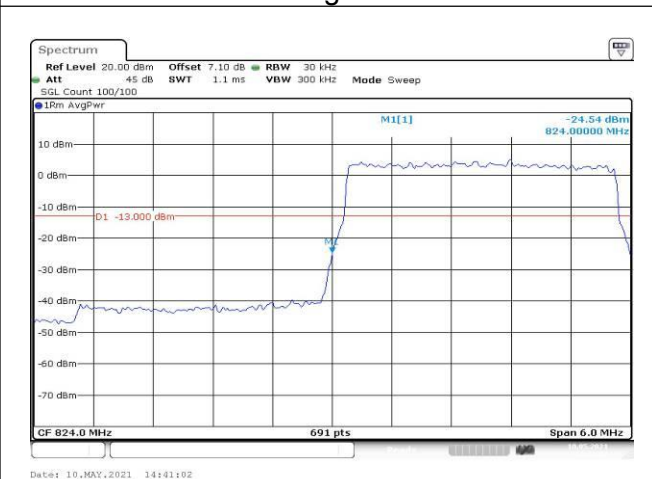


Fig.6

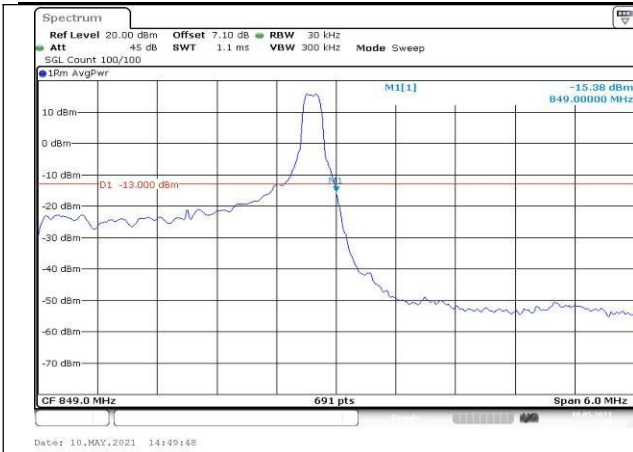


Fig.7

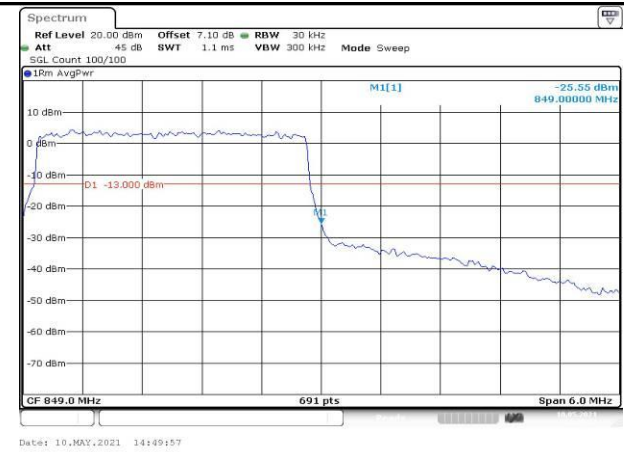


Fig.8

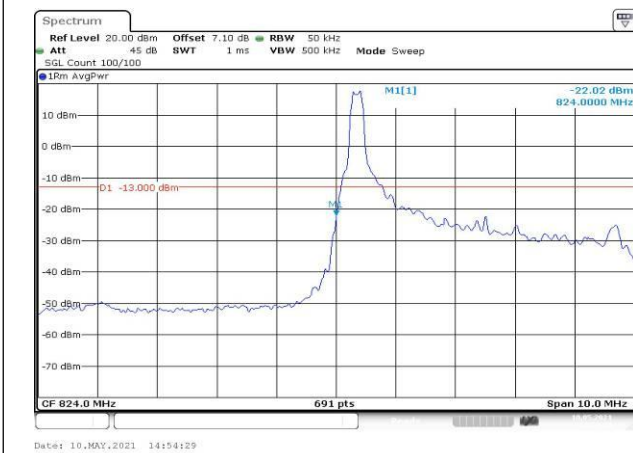


Fig.9

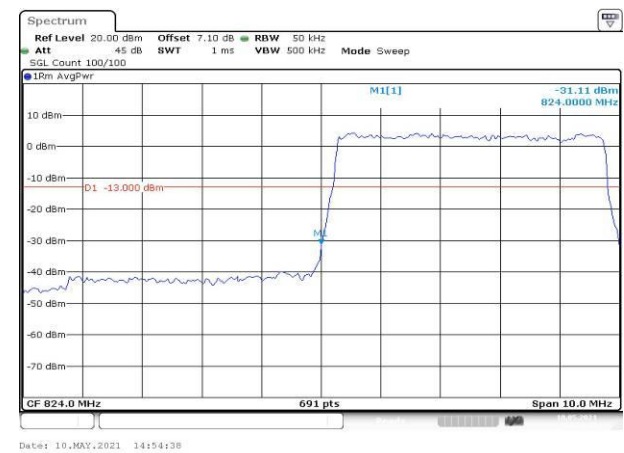


Fig.10

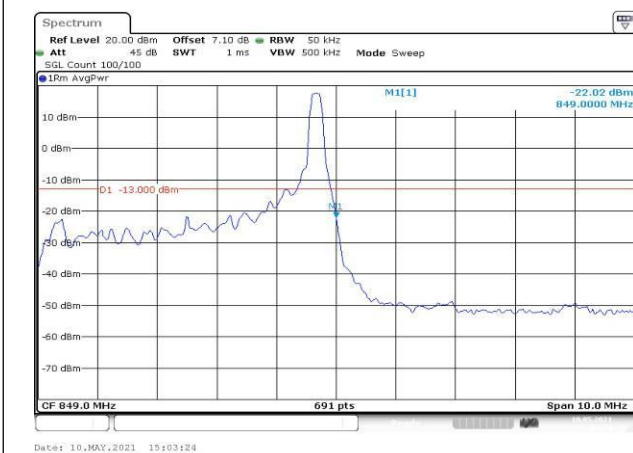


Fig.11

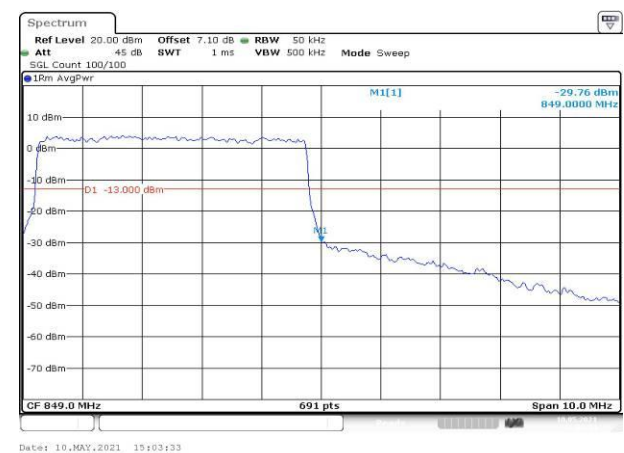


Fig.12

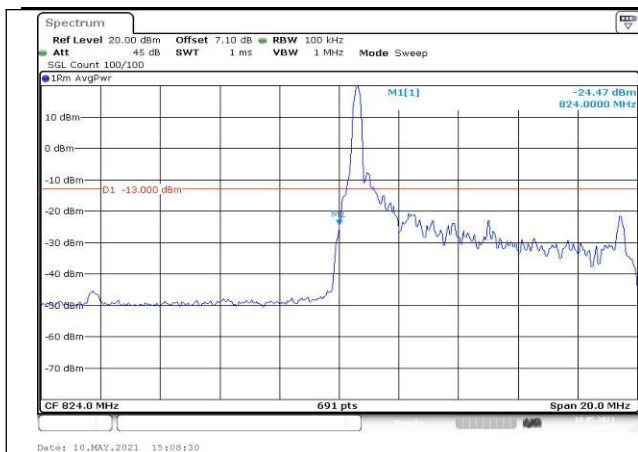


Fig.13

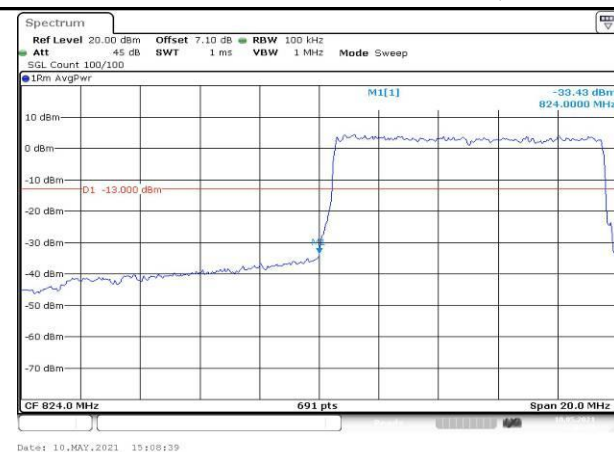


Fig.14

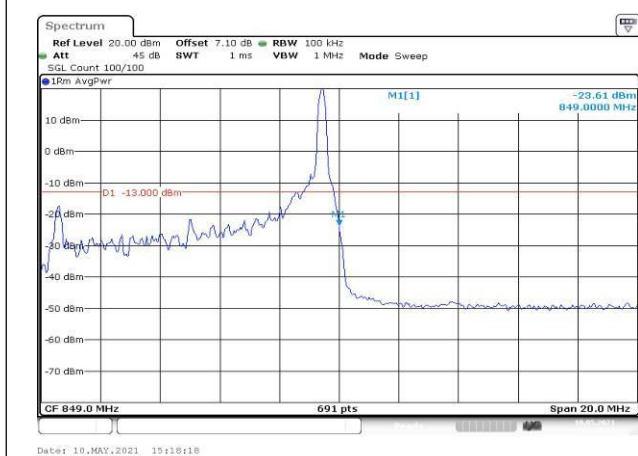


Fig.15

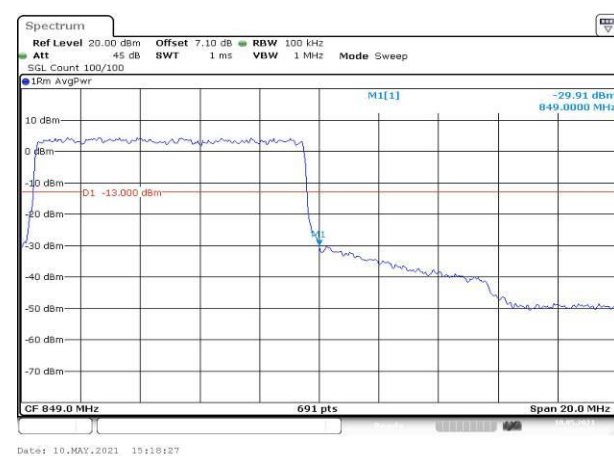


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.006	-0.010	-0.018	-0.015	---	---
0	NV	0.003	-0.022	0.008	-0.010	---	---
+10	NV	0.008	-0.003	-0.041	-0.012	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.003	-0.008	-0.015	-0.017	---	---
+40	NV	-0.011	-0.004	-0.002	-0.033	---	---
+50	NV	0.013	0.013	0.015	-0.027	---	---
+55	NV	0.016	0.012	0.010	-0.022	---	---
+20	LV	0.000	-0.010	0.006	-0.019	---	---
+20	HV	-0.010	-0.009	-0.011	-0.004	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.018	-0.047	0.031	-0.025	---	---
0	NV	0.001	-0.035	-0.024	0.007	---	---
+10	NV	-0.011	-0.033	-0.021	0.010	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.022	-0.036	-0.044	-0.034	---	---
+40	NV	-0.037	0.036	-0.042	0.000	---	---
+50	NV	-0.024	-0.028	-0.032	-0.004	---	---
+55	NV	-0.021	-0.022	-0.038	-0.012	---	---
+20	LV	0.008	-0.026	0.014	-0.017	---	---
+20	HV	-0.022	-0.028	-0.026	-0.020	---	---

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	23.08	15.83	0.038
				1	3	23.09	15.84	0.038
				1	5	23.16	15.91	0.039
				3	0	23.24	15.99	0.040
				3	1	23.20	15.95	0.039
				3	3	23.28	16.03	0.040
				6	0	22.54	15.29	0.034
	836.5	20525		1	0	23.34	16.09	0.041
				1	3	23.19	15.94	0.039
				1	5	23.39	16.14	0.041
				3	0	23.46	16.21	0.042
				3	1	23.47	16.22	0.042
				3	3	23.46	16.21	0.042
				6	0	22.95	15.70	0.037
	848.3	20643		1	0	23.14	15.89	0.039
				1	3	23.30	16.05	0.040
				1	5	23.28	16.03	0.040
				3	0	23.18	15.93	0.039
				3	1	23.29	16.04	0.040
				3	3	23.28	16.03	0.040
				6	0	22.62	15.37	0.034
16QAM	824.7	20407	1	0	23.41	16.16	0.041	
			1	3	23.42	16.17	0.041	
			1	5	23.06	15.81	0.038	
			3	0	22.74	15.49	0.035	
			3	1	22.71	15.46	0.035	
			3	3	22.76	15.51	0.036	
			6	0	21.79	14.54	0.028	
	836.5	20525	1	0	22.80	15.55	0.036	
			1	3	22.87	15.62	0.036	
			1	5	22.86	15.61	0.036	
			3	0	22.85	15.60	0.036	
			3	1	22.86	15.61	0.036	
			3	3	22.86	15.61	0.036	
			6	0	22.21	14.96	0.031	
	848.3	20643	1	0	22.25	15.00	0.032	
			1	3	22.23	14.98	0.031	
			1	5	22.23	14.98	0.031	
			3	0	22.53	15.28	0.034	
			3	1	22.69	15.44	0.035	
			3	3	22.69	15.44	0.035	
			6	0	21.91	14.66	0.029	

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	21.92	14.67	0.029
				1	3	21.92	14.67	0.029
				1	5	21.98	14.73	0.030
				3	0	21.79	14.54	0.028
				3	1	22.09	14.84	0.030
				3	3	22.05	14.80	0.030
	836.5	20525		6	0	22.04	14.79	0.030
				1	0	22.32	15.07	0.032
				1	3	22.25	15.00	0.032
				1	5	22.32	15.07	0.032
				3	0	22.24	14.99	0.032
				3	1	22.33	15.08	0.032
				3	3	21.97	14.72	0.030
				6	0	22.14	14.89	0.031
	848.3	20643		1	0	22.06	14.81	0.030
				1	3	21.98	14.73	0.030
				1	5	22.08	14.83	0.030
				3	0	21.98	14.73	0.030
				3	1	22.07	14.82	0.030
				3	3	22.07	14.82	0.030
				6	0	22.01	14.76	0.030

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	23.10	15.85	0.038
				1	8	22.93	15.68	0.037
				1	14	22.93	15.68	0.037
				8	0	22.77	15.52	0.036
				8	4	22.57	15.32	0.034
				8	7	22.56	15.31	0.034
	15	0		22.70	15.45	0.035		
	836.5	20525		1	0	23.36	16.11	0.041
				1	8	23.36	16.11	0.041
				1	14	23.35	16.10	0.041
				8	0	22.95	15.70	0.037
				8	4	22.87	15.62	0.036
				8	7	22.87	15.62	0.036
	15	0		22.81	15.56	0.036		
	847.5	20635		1	0	23.15	15.90	0.039
				1	8	23.32	16.07	0.040
				1	14	23.28	16.03	0.040
				8	0	22.62	15.37	0.034
				8	4	22.62	15.37	0.034
				8	7	22.61	15.36	0.034
	15	0		22.52	15.27	0.034		
16QAM	825.5	20415		1	0	23.22	15.97	0.040
				1	8	23.09	15.84	0.038
				1	14	22.89	15.64	0.037
				8	0	22.08	14.83	0.030
				8	4	21.85	14.60	0.029
				8	7	21.85	14.60	0.029
	15	0		21.93	14.68	0.029		
	836.5	20525		1	0	22.86	15.61	0.036
				1	8	22.89	15.64	0.036
			1	14	22.83	15.58	0.036	
			8	0	22.10	14.85	0.031	
			8	4	22.18	14.93	0.031	
			8	7	22.18	14.93	0.031	
	15	0	22.08	14.83	0.030			
	847.5	20635	1	0	22.41	15.16	0.033	
			1	8	22.40	15.15	0.033	
			1	14	22.47	15.22	0.033	
			8	0	21.86	14.61	0.029	
			8	4	21.91	14.66	0.029	
			8	7	21.96	14.71	0.030	
			15	0	21.78	14.53	0.028	

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	21.98	14.73	0.030
				1	8	21.93	14.68	0.029
				1	14	22.03	14.78	0.030
				8	0	22.03	14.78	0.030
				8	4	21.87	14.62	0.029
				8	7	22.03	14.78	0.030
				15	0	21.98	14.73	0.030
	836.5	20525		1	0	22.07	14.82	0.030
				1	8	22.08	14.83	0.030
				1	14	22.08	14.83	0.030
				8	0	22.08	14.83	0.030
				8	4	22.08	14.83	0.030
				8	7	22.08	14.83	0.030
				15	0	22.07	14.82	0.030
	847.5	20635		1	0	21.78	14.53	0.028
				1	8	21.67	14.42	0.028
				1	14	21.68	14.43	0.028
				8	0	21.62	14.37	0.027
				8	4	21.62	14.37	0.027
				8	7	21.62	14.37	0.027
				15	0	21.62	14.37	0.027

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	23.35	16.10	0.041
				1	12	23.10	15.85	0.038
				1	24	23.08	15.83	0.038
				12	0	22.75	15.50	0.035
				12	7	22.65	15.40	0.035
				12	13	22.65	15.40	0.035
				25	0	22.54	15.29	0.034
	836.5	20525		1	0	23.51	16.26	0.042
				1	12	23.60	16.35	0.043
				1	24	23.64	16.39	0.044
				12	0	22.91	15.66	0.037
				12	7	22.93	15.68	0.037
				12	13	22.93	15.68	0.037
				25	0	22.85	15.60	0.036
	846.5	20625		1	0	23.12	15.87	0.039
				1	12	23.15	15.90	0.039
				1	24	23.06	15.81	0.038
				12	0	22.76	15.51	0.036
				12	7	22.62	15.37	0.034
				12	13	22.73	15.48	0.035
				25	0	22.64	15.39	0.035
16QAM	826.5	20425		1	0	22.09	14.84	0.030
				1	12	21.83	14.58	0.029
				1	24	21.83	14.58	0.029
				12	0	21.98	14.73	0.030
				12	7	21.76	14.51	0.028
				12	13	21.81	14.56	0.029
				25	0	21.88	14.63	0.029
	836.5	20525		1	0	23.28	16.03	0.040
				1	12	23.28	16.03	0.040
			1	24	23.28	16.03	0.040	
			12	0	22.21	14.96	0.031	
			12	7	22.19	14.94	0.031	
			12	13	22.13	14.88	0.031	
			25	0	22.06	14.81	0.030	
	846.5	20625	1	0	22.65	15.40	0.035	
			1	12	22.89	15.64	0.037	
			1	24	22.79	15.54	0.036	
			12	0	21.90	14.65	0.029	
			12	7	21.80	14.55	0.029	
			12	13	21.80	14.55	0.029	
			25	0	21.64	14.39	0.027	

Modulation	Carrier frequen 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	21.89	14.64	0.029
				1	12	21.89	14.64	0.029
				1	24	21.89	14.64	0.029
				12	0	21.89	14.64	0.029
				12	7	21.89	14.64	0.029
				12	13	21.89	14.64	0.029
				25	0	21.89	14.64	0.029
	836.5	20525		1	0	22.06	14.81	0.030
				1	12	22.06	14.81	0.030
				1	24	22.12	14.87	0.031
				12	0	22.06	14.81	0.030
				12	7	22.02	14.77	0.030
				12	13	22.07	14.82	0.030
				25	0	22.02	14.77	0.030
	846.5	20625		1	0	21.65	14.40	0.028
				1	12	21.65	14.40	0.028
				1	24	21.65	14.40	0.028
				12	0	21.65	14.40	0.028
				12	7	21.65	14.40	0.028
				12	13	21.66	14.41	0.028
				25	0	21.65	14.40	0.028

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	23.20	15.95	0.039	
				1	25	23.38	16.13	0.041	
				1	49	23.34	16.09	0.041	
				25	0	22.68	15.43	0.035	
				25	12	22.80	15.55	0.036	
				25	25	22.79	15.54	0.036	
	836.5	20525		50	0	22.53	15.28	0.034	
				1	0	23.39	16.14	0.041	
				1	25	23.50	16.25	0.042	
				1	49	23.49	16.24	0.042	
				25	0	22.98	15.73	0.037	
				25	12	22.94	15.69	0.037	
	844	20600		25	25	22.94	15.69	0.037	
				50	0	22.99	15.74	0.037	
				1	0	23.45	16.20	0.042	
				1	25	23.16	15.91	0.039	
				1	49	23.15	15.90	0.039	
				25	0	22.97	15.72	0.037	
	16QAM	829		20450	25	12	22.61	15.36	0.034
					25	25	22.61	15.36	0.034
					50	0	22.92	15.67	0.037
1					0	23.15	15.90	0.039	
1					25	23.28	16.03	0.040	
1					49	23.27	16.02	0.040	
836.5		20525		25	0	21.84	14.59	0.029	
				25	12	22.08	14.83	0.030	
				25	25	22.07	14.82	0.030	
				50	0	21.71	14.46	0.028	
				1	0	23.09	15.84	0.038	
				1	25	22.76	15.51	0.036	
844		20600		1	49	22.76	15.51	0.036	
				25	0	22.09	14.84	0.030	
				25	12	22.12	14.87	0.031	
				25	25	22.13	14.88	0.031	
				50	0	22.12	14.87	0.031	
				1	0	22.50	15.25	0.033	
				1	25	22.32	15.07	0.032	
				1	49	22.38	15.13	0.033	
				25	0	22.13	14.88	0.031	
25	12	21.97		14.72	0.030				
25	25	22.01		14.76	0.030				
50	0	22.24		14.99	0.032				

Modulation	Carrier frequen 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	21.72	14.47	0.028
				1	25	21.72	14.47	0.028
				1	49	21.71	14.46	0.028
				25	0	21.72	14.47	0.028
				25	12	21.72	14.47	0.028
				25	25	21.72	14.47	0.028
				50	0	21.88	14.63	0.029
	836.5	20525		1	0	22.20	14.95	0.031
				1	25	22.21	14.96	0.031
				1	49	22.18	14.93	0.031
				25	0	22.19	14.94	0.031
				25	12	22.05	14.80	0.030
				25	25	22.17	14.92	0.031
				50	0	22.16	14.91	0.031
	844	20600		1	0	22.13	14.88	0.031
				1	25	22.29	15.04	0.032
				1	49	22.18	14.93	0.031
				25	0	22.22	14.97	0.031
				25	12	22.17	14.92	0.031
				25	25	22.11	14.86	0.031
				50	0	22.10	14.85	0.031