

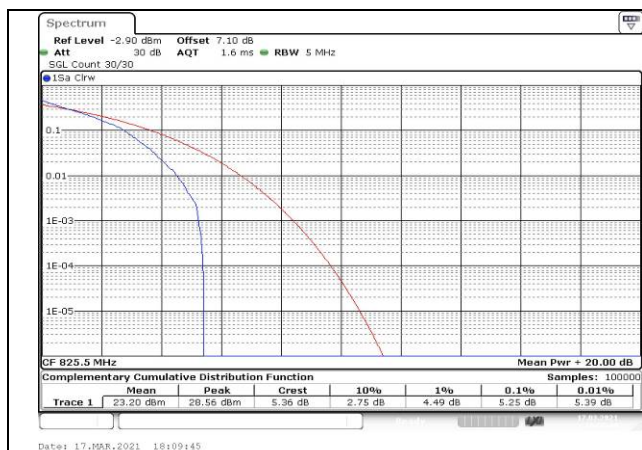


Fig.19

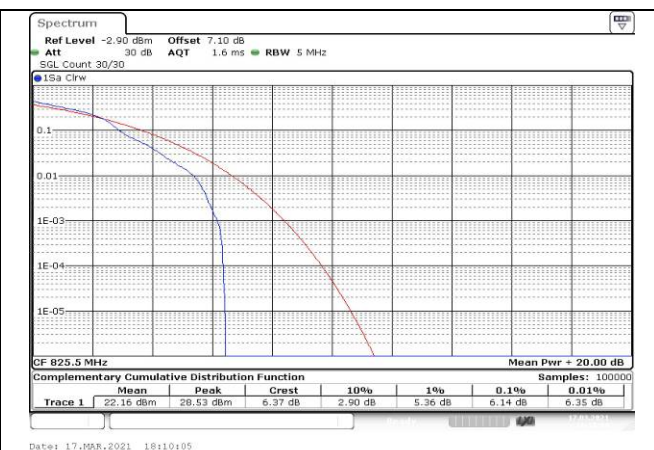


Fig.20

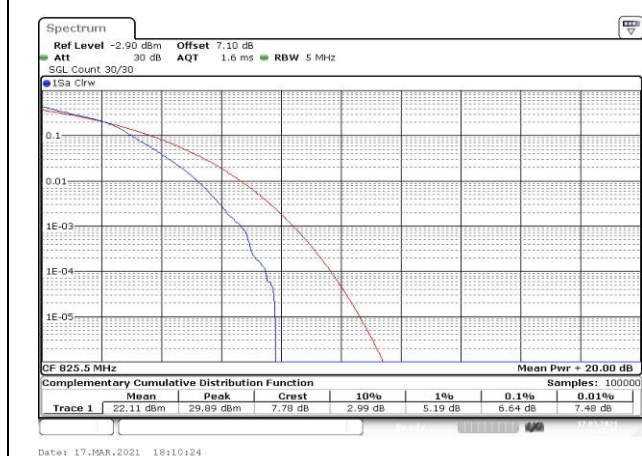


Fig.21

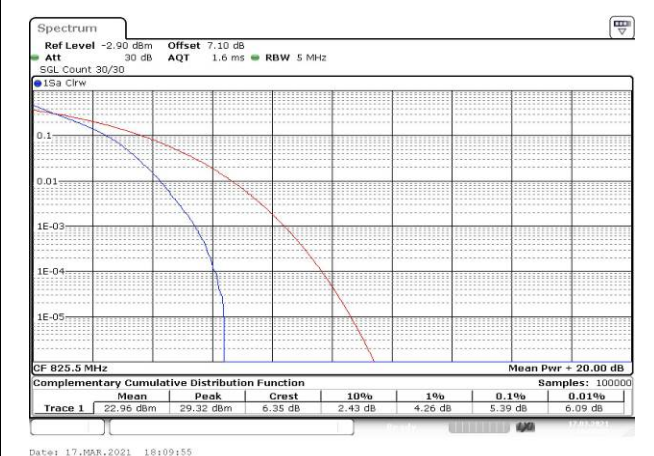


Fig.22

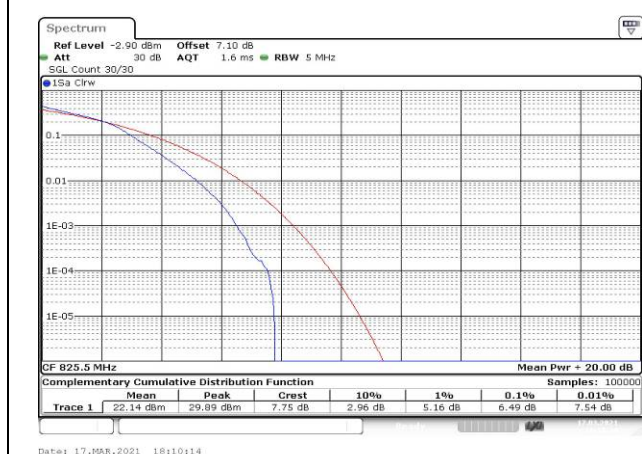


Fig.23



Fig.24

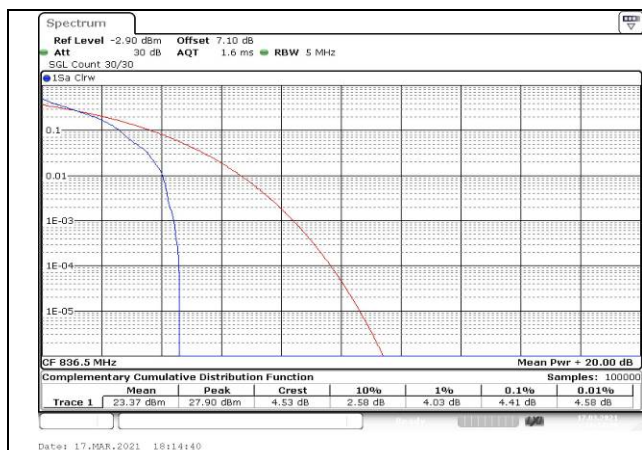


Fig.25

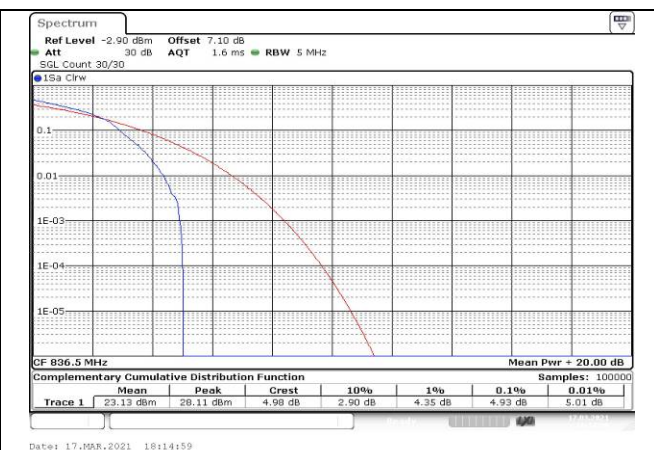


Fig.26

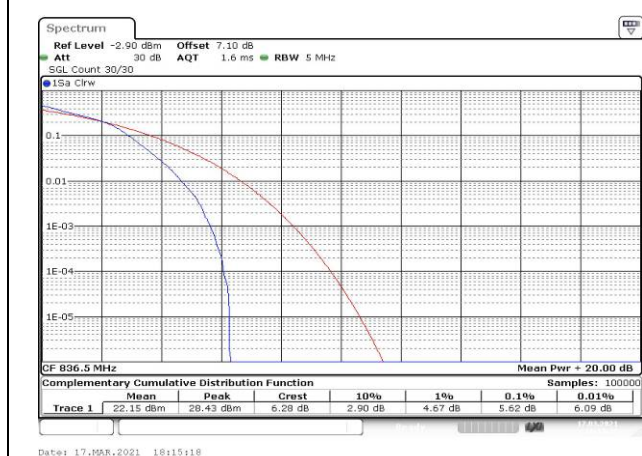


Fig.27

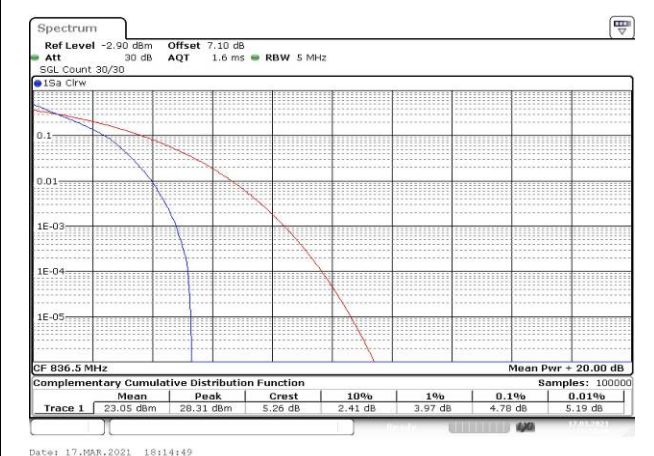


Fig.28

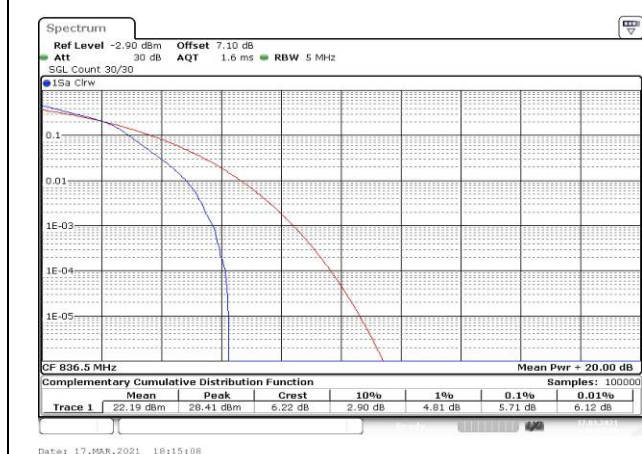


Fig.29

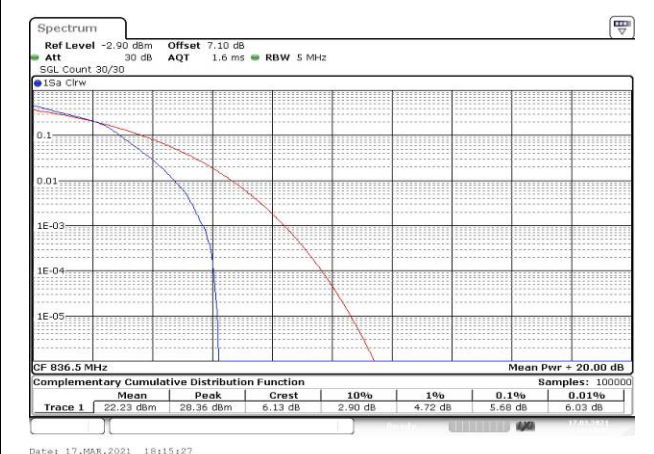


Fig.30

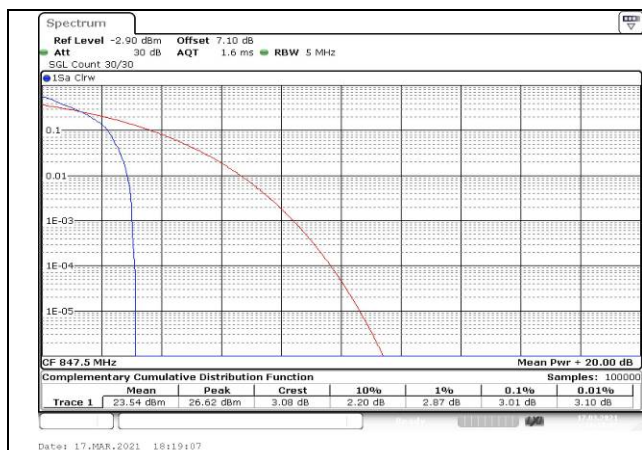


Fig.31

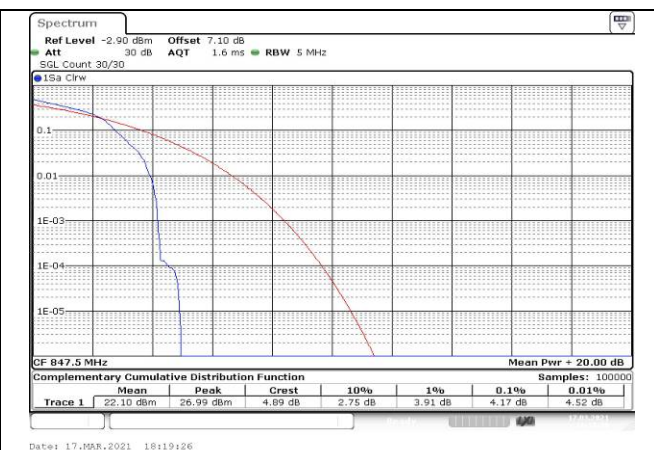


Fig.32

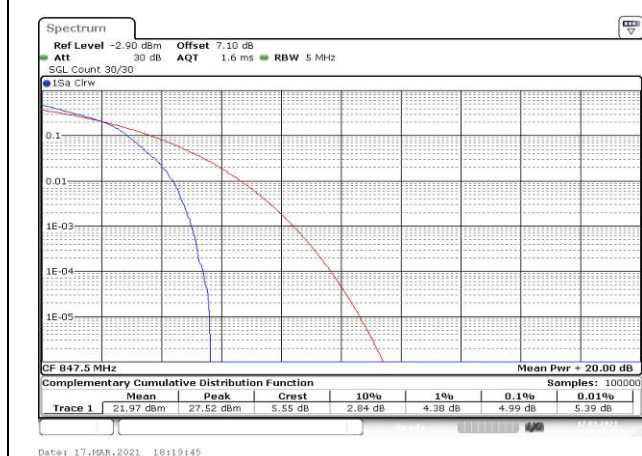


Fig.33

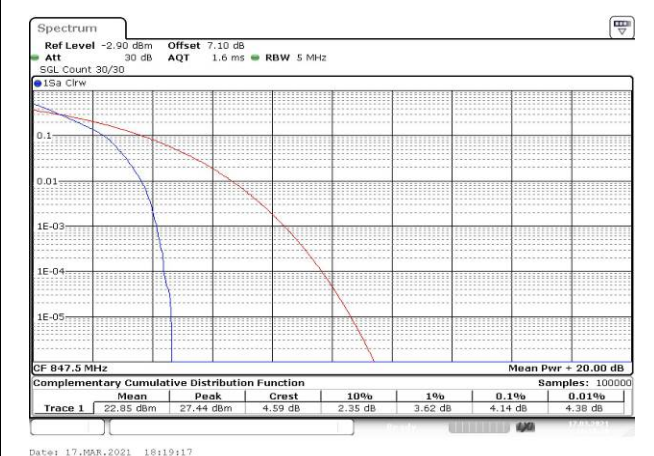


Fig.34

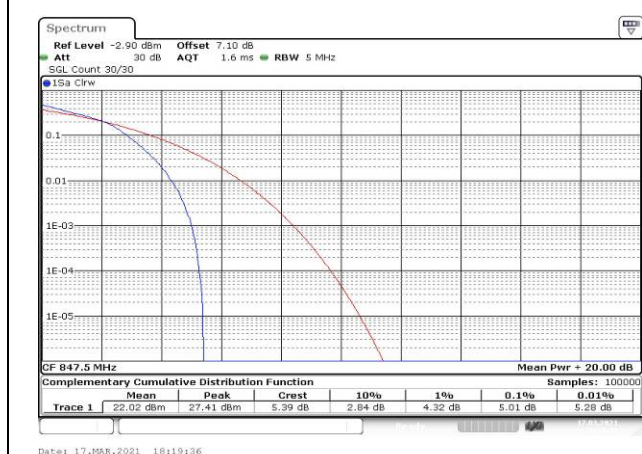


Fig.35

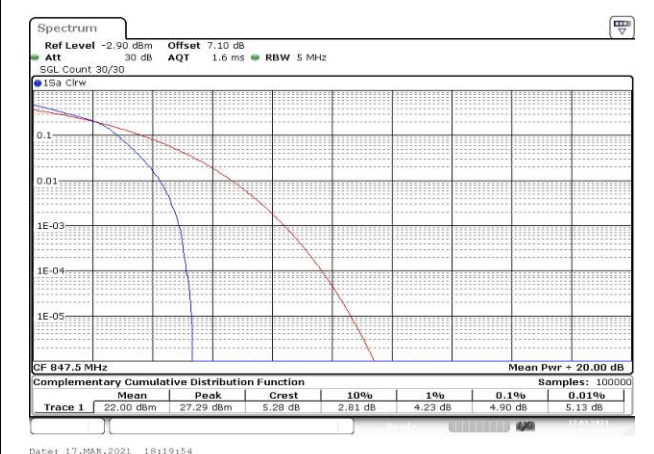


Fig.36

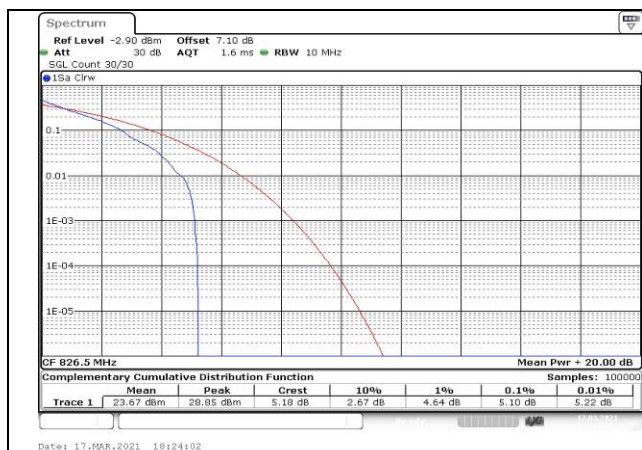


Fig.37

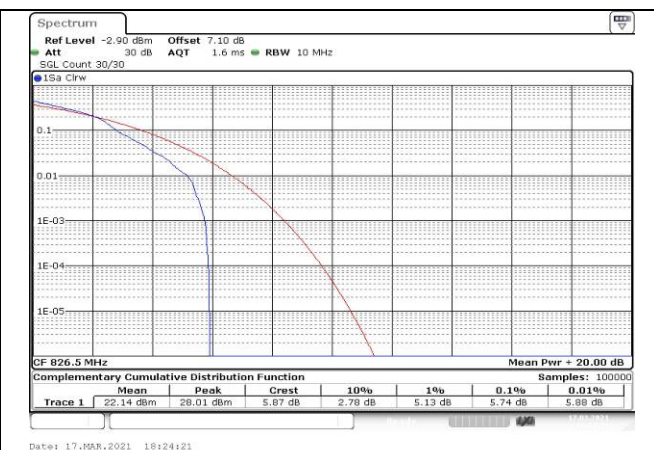


Fig.38

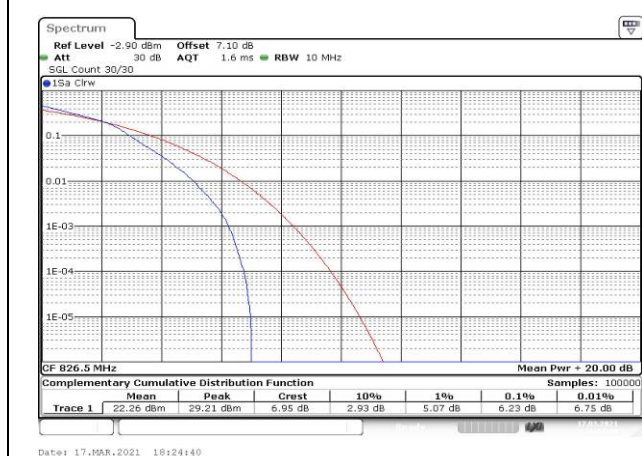


Fig.39

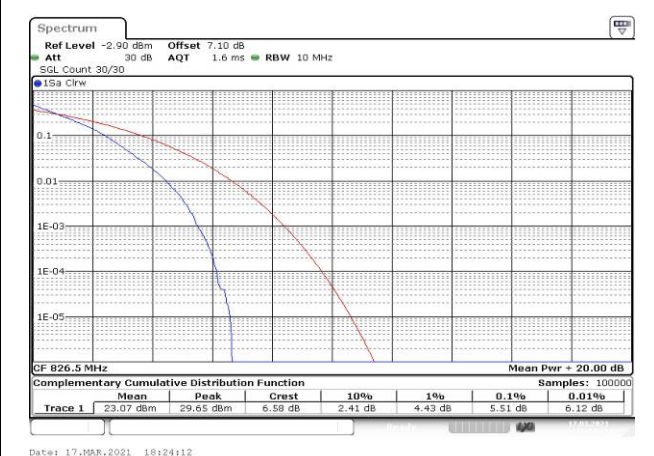


Fig.40

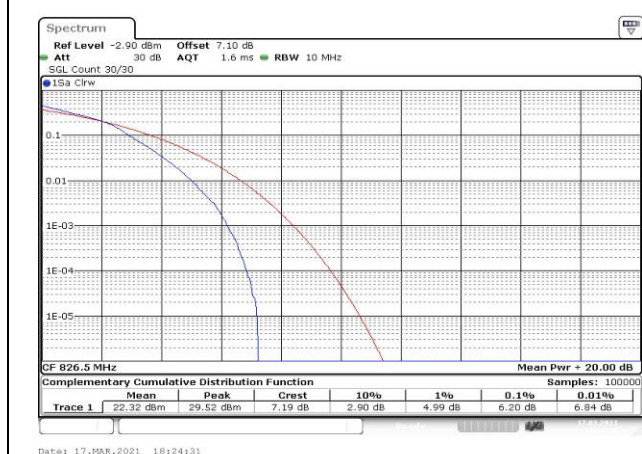


Fig.41

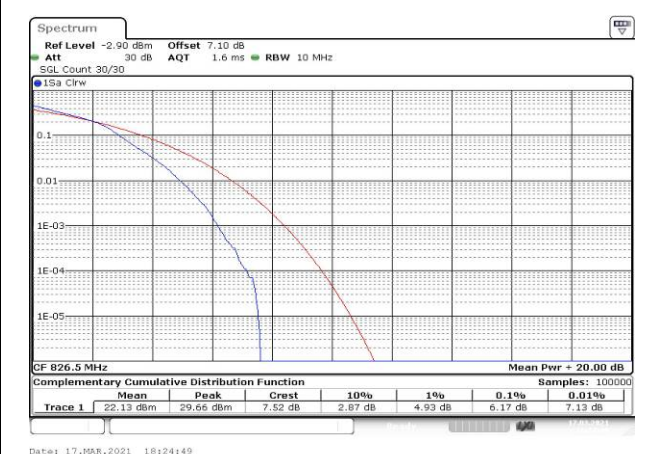


Fig.42

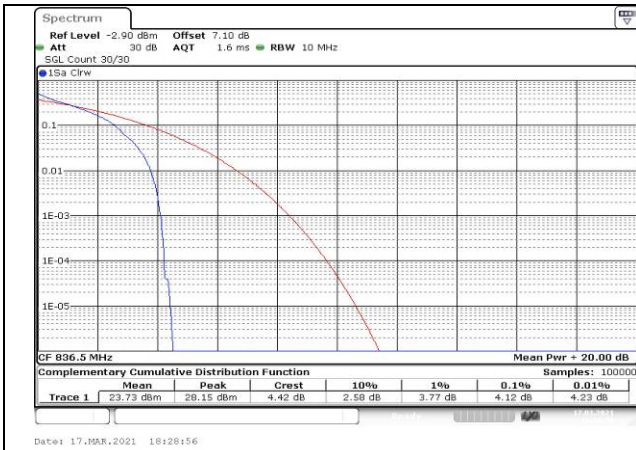


Fig.43



Fig.44

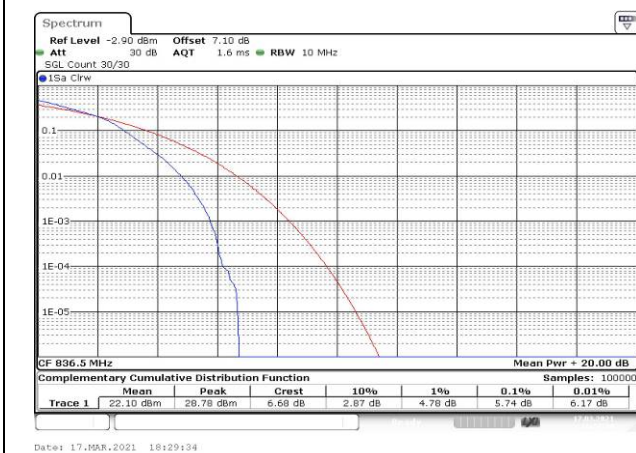


Fig.45

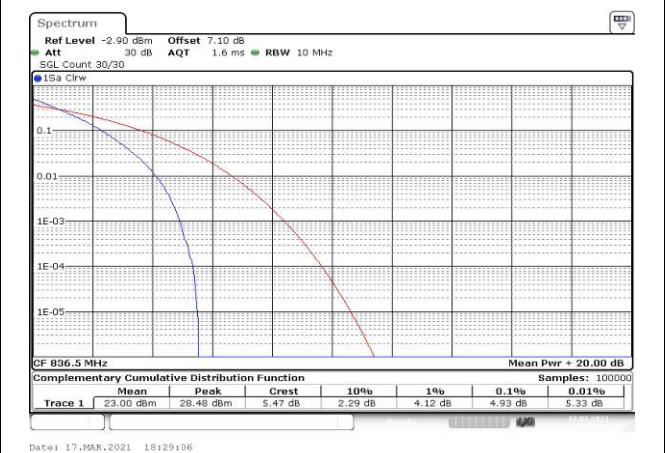


Fig.46

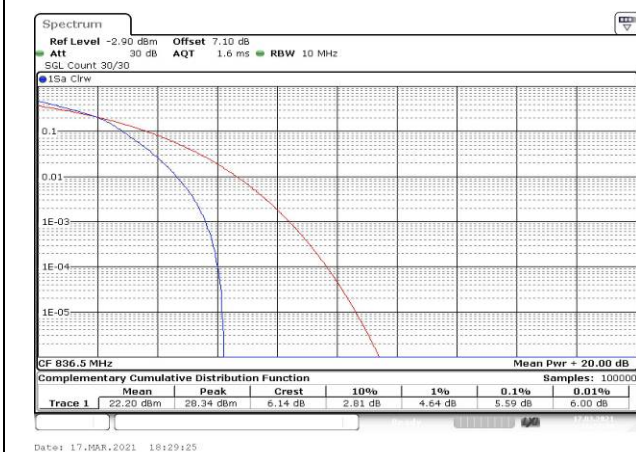


Fig.47

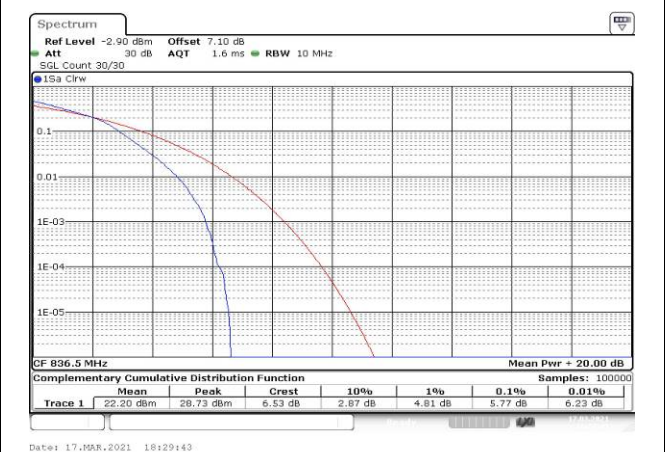


Fig.48

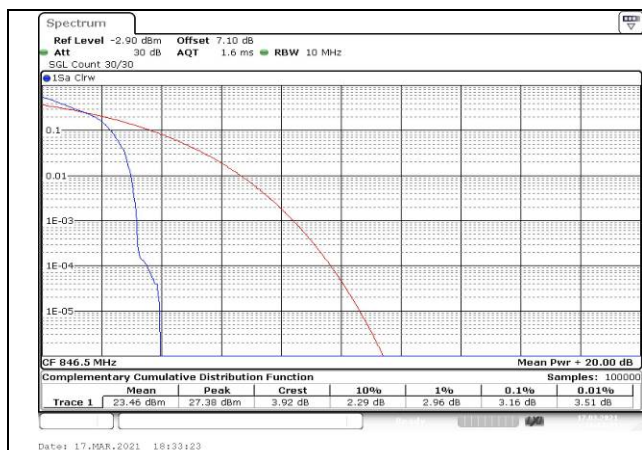


Fig.49

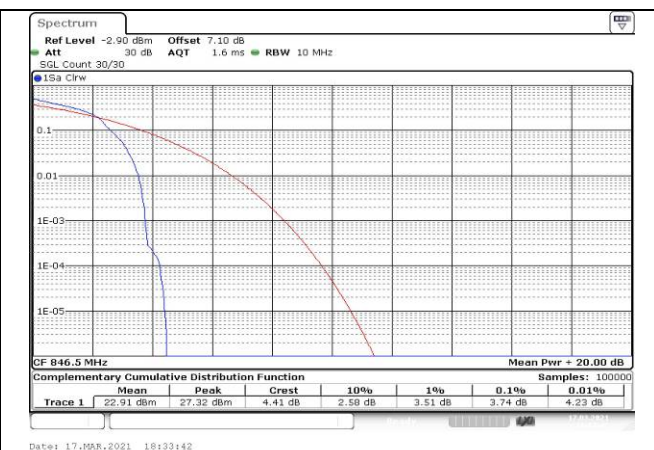


Fig.50

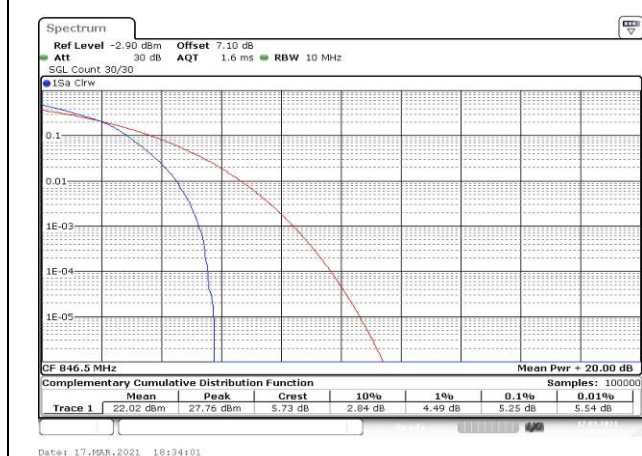


Fig.51

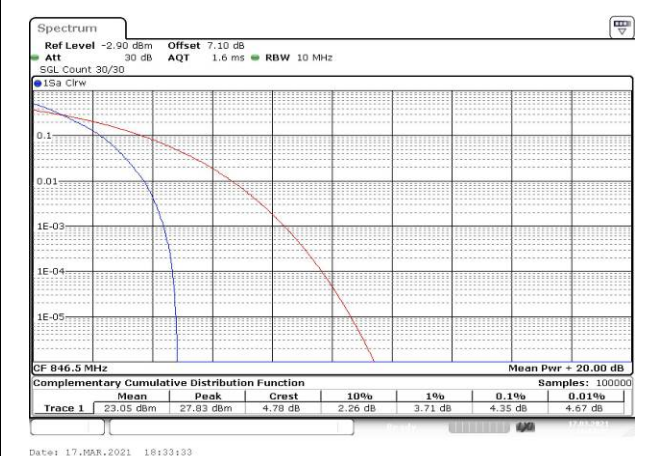


Fig.52

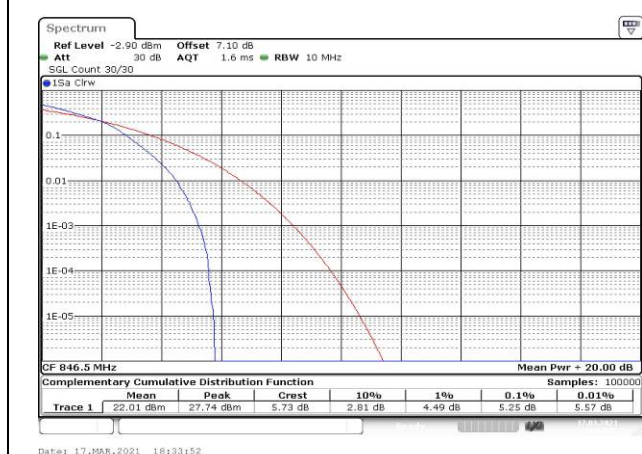


Fig.53

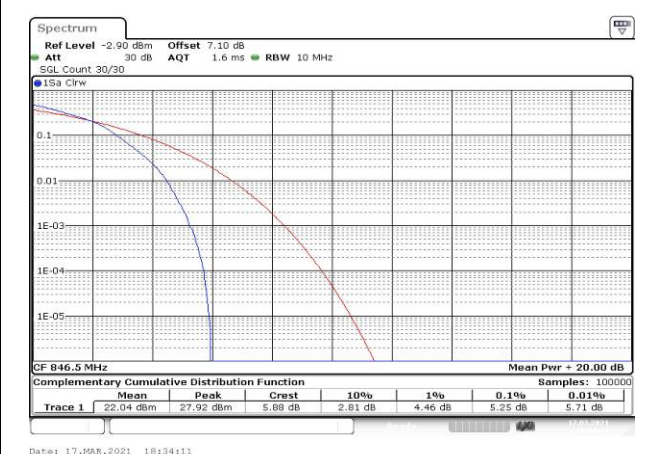


Fig.54

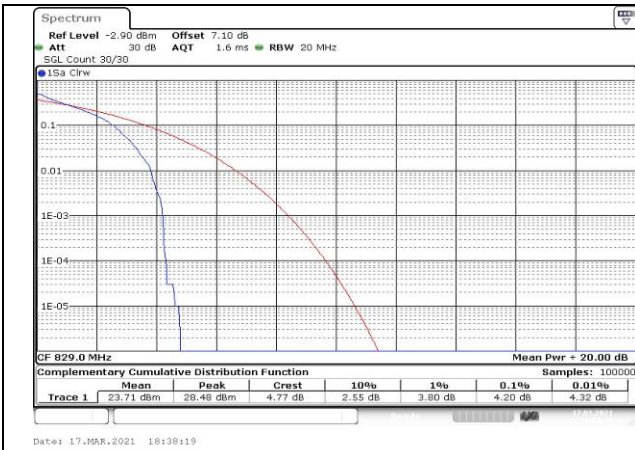


Fig.55



Fig.56

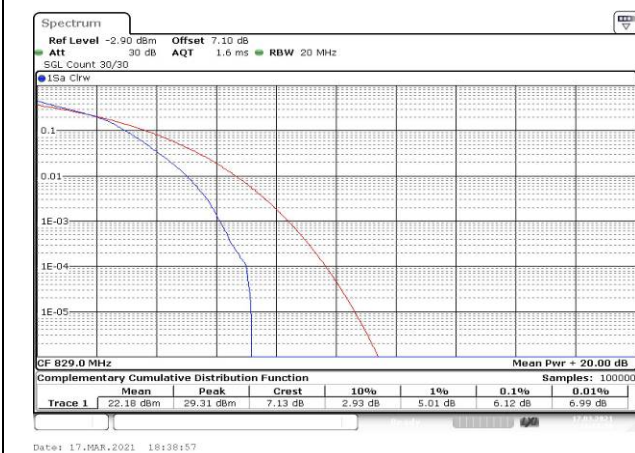


Fig.57

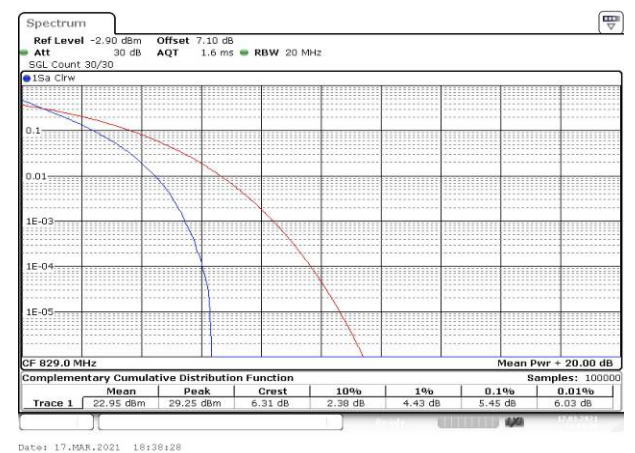


Fig.58

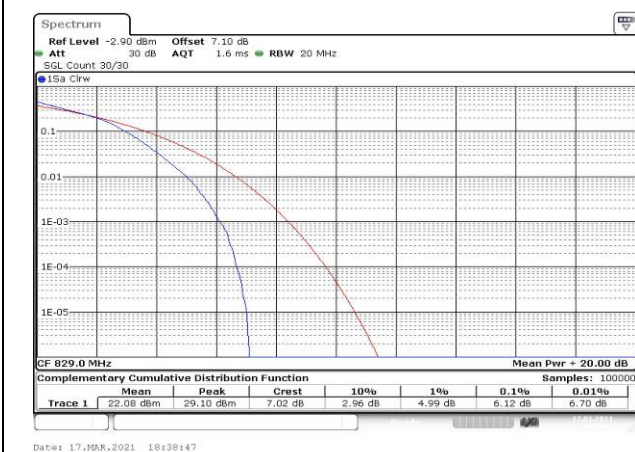


Fig.59

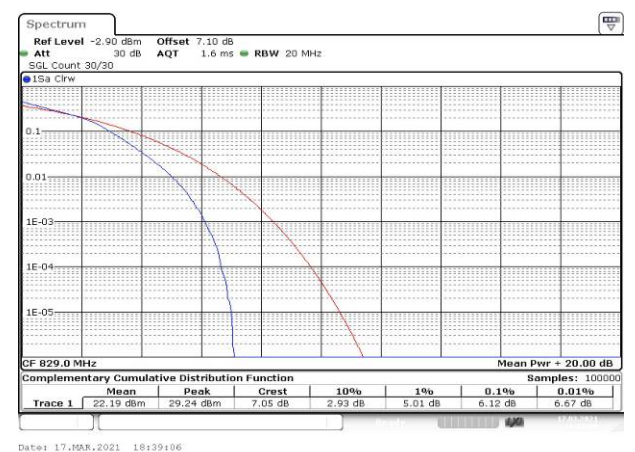


Fig.60

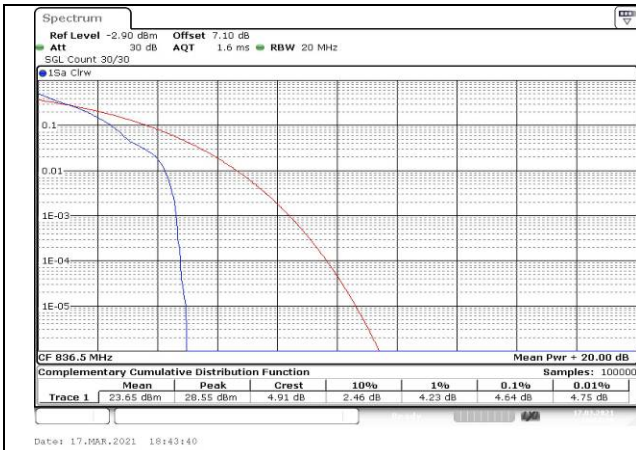


Fig.61



Fig.62

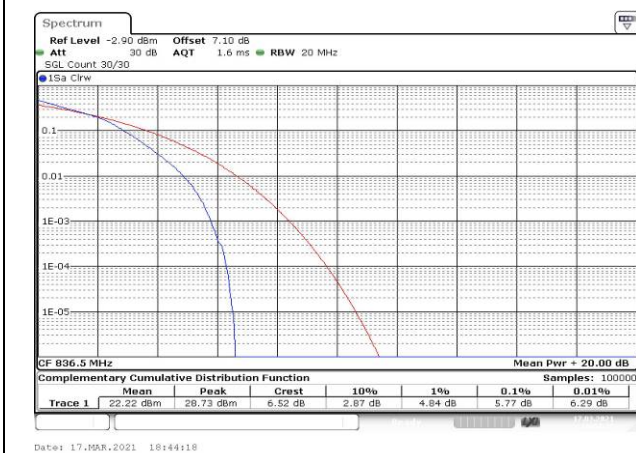


Fig.63

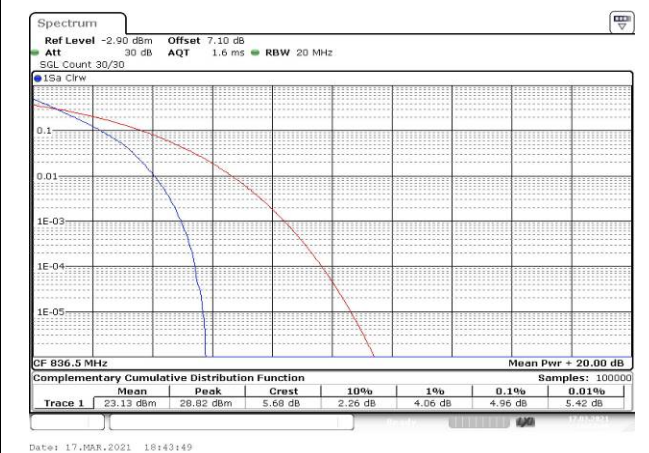


Fig.64

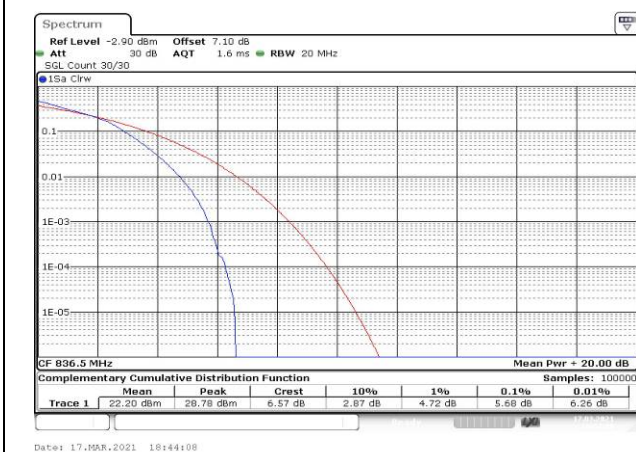


Fig.65

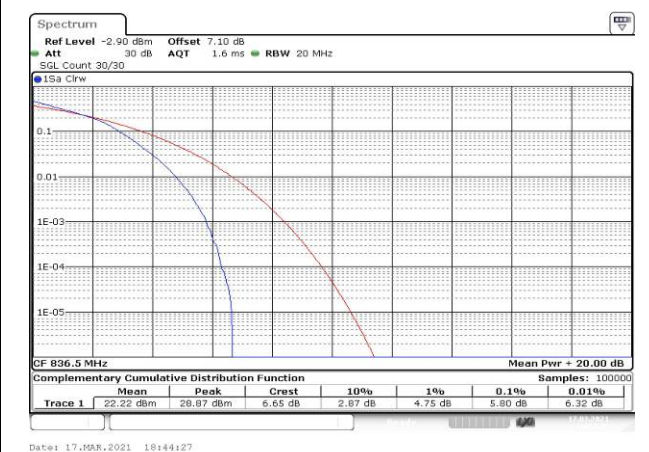


Fig.66

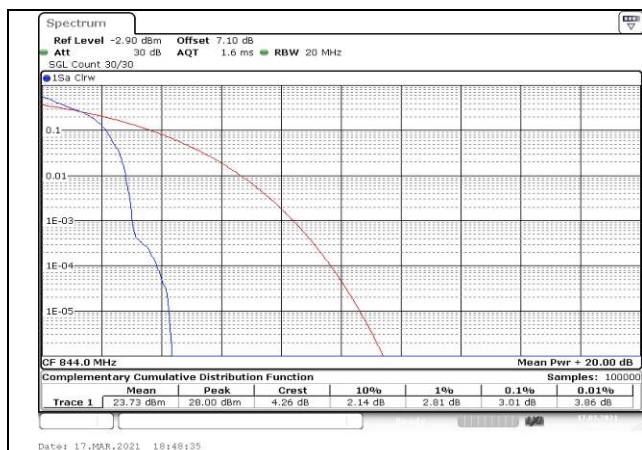


Fig.67

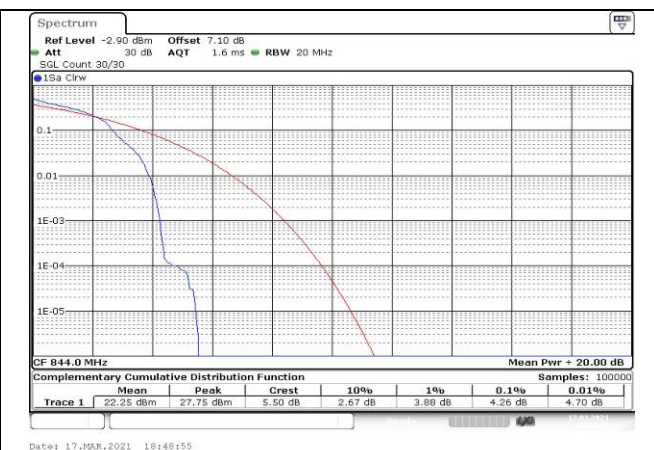


Fig.68

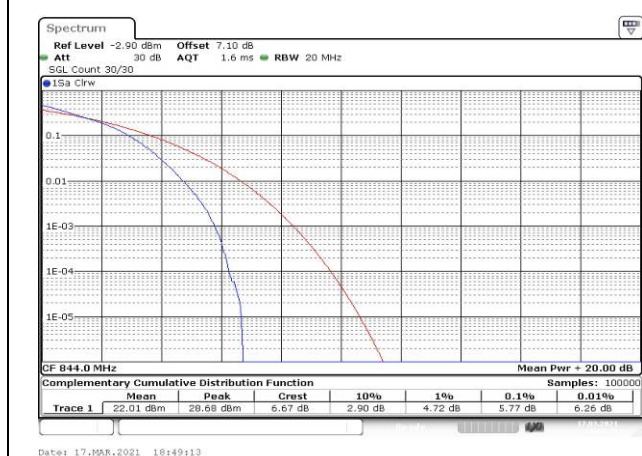


Fig.69

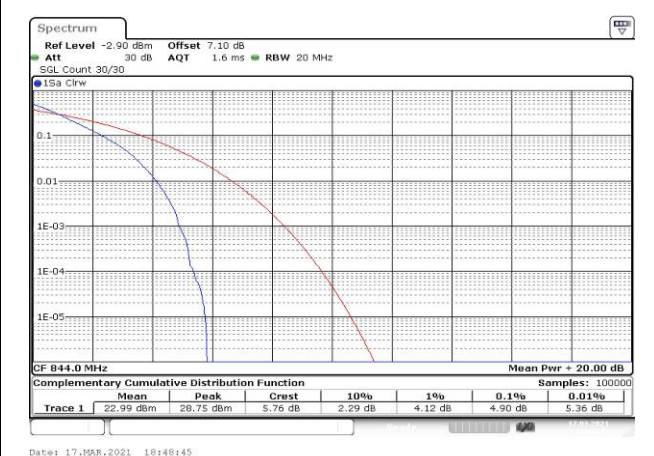


Fig.70

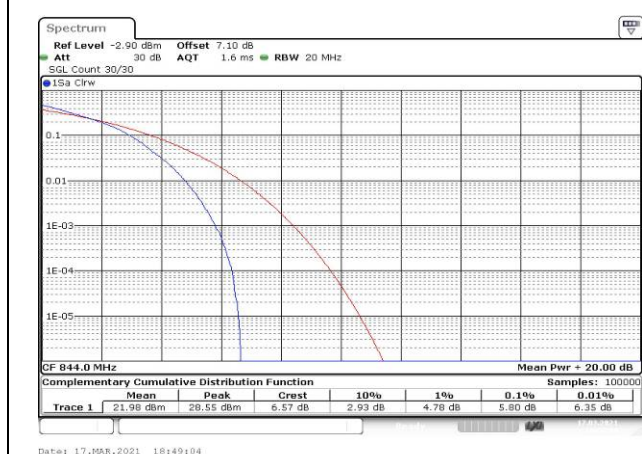


Fig.71



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

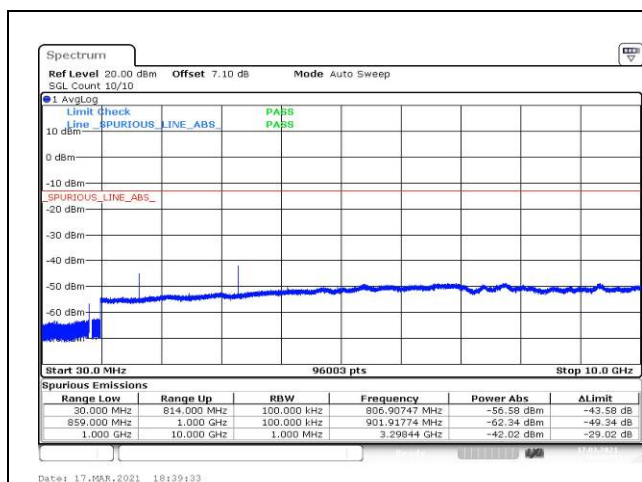


Fig.1

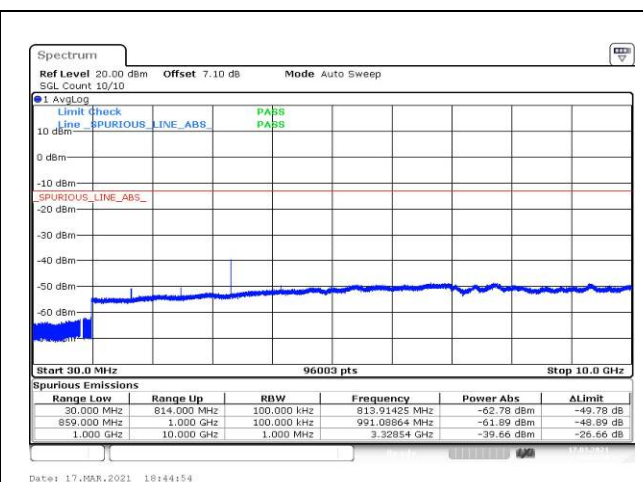


Fig.2

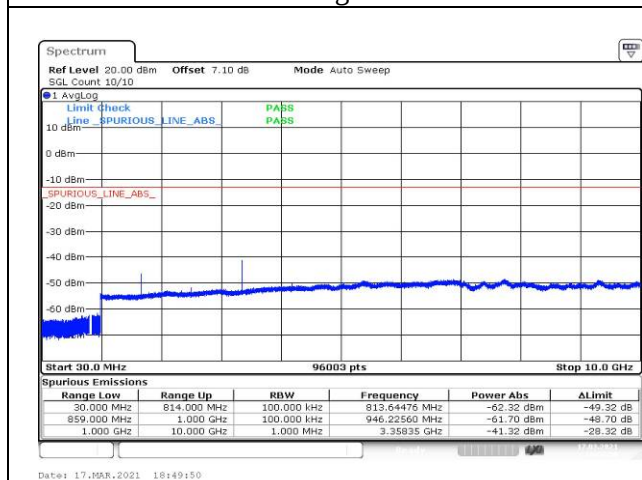
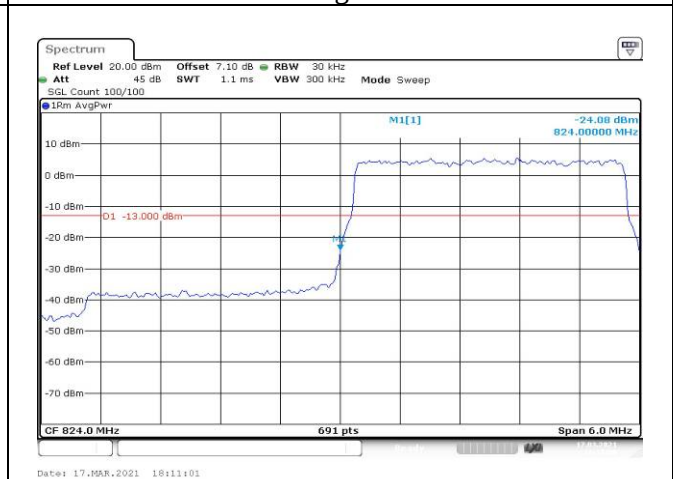
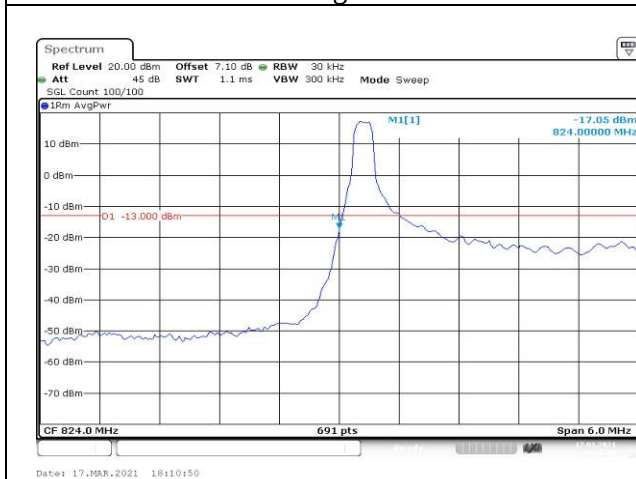
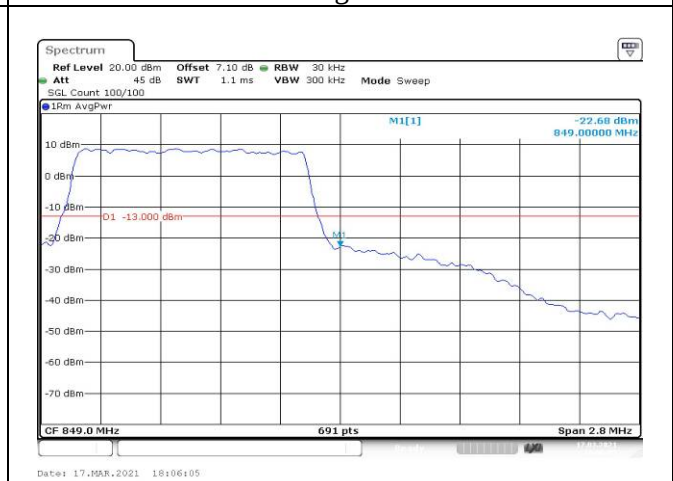
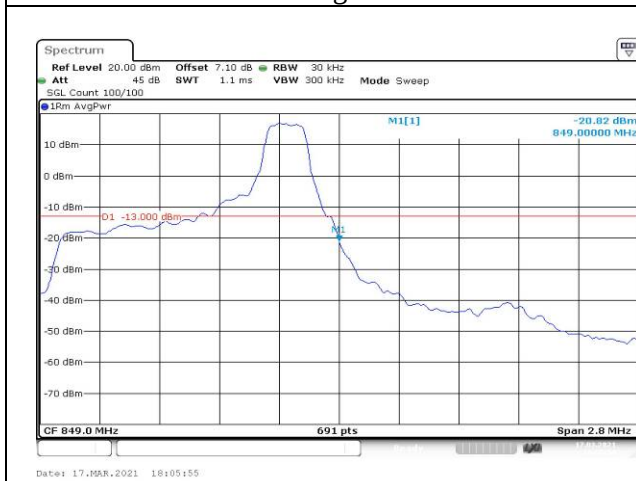
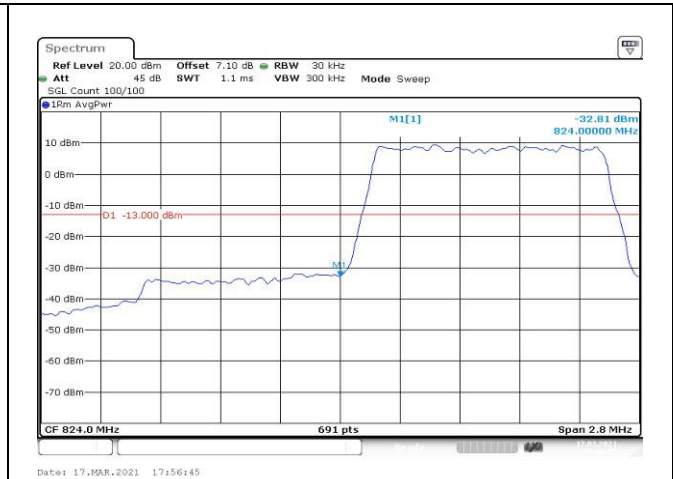
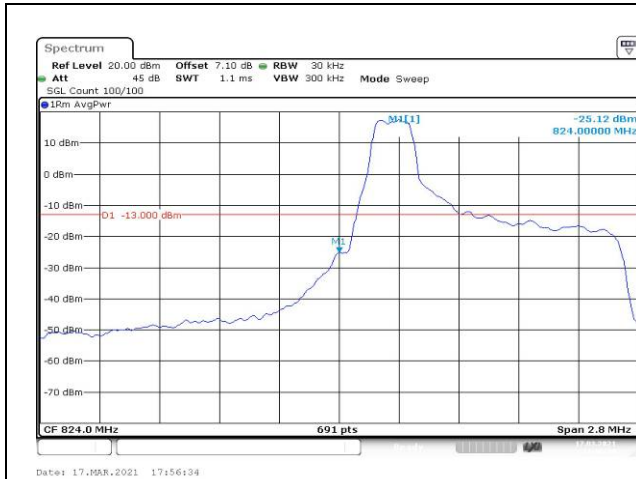


Fig.3

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



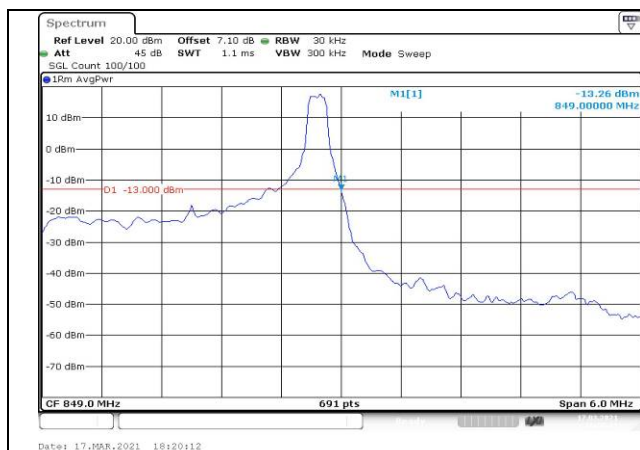


Fig.7

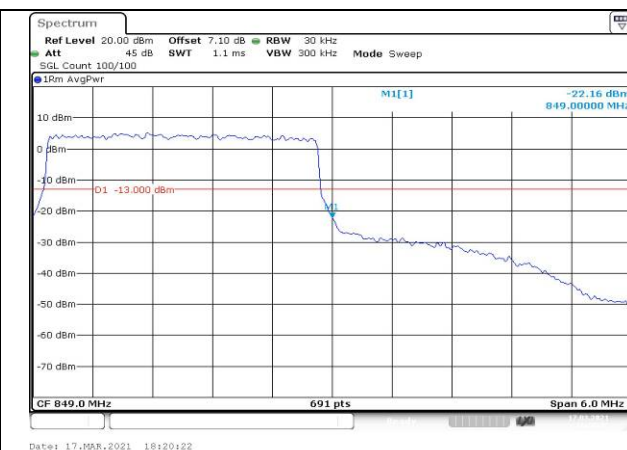


Fig.8

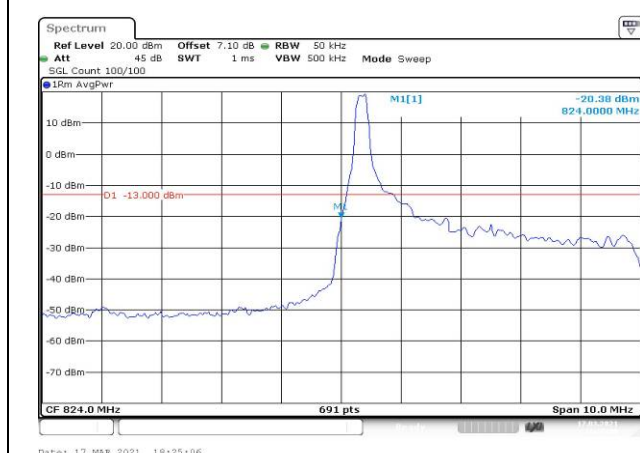


Fig.9

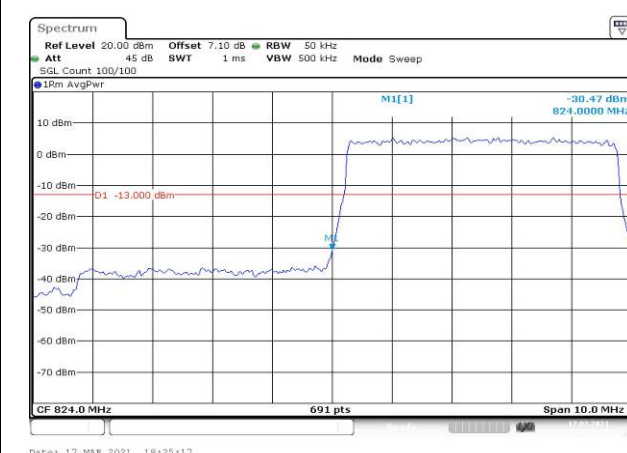


Fig.10

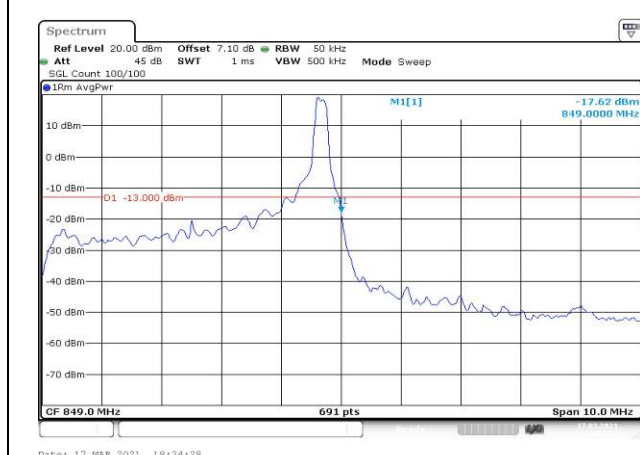


Fig.11

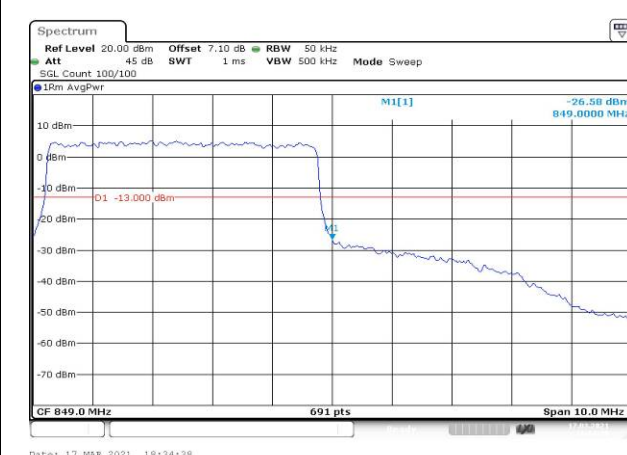


Fig.12

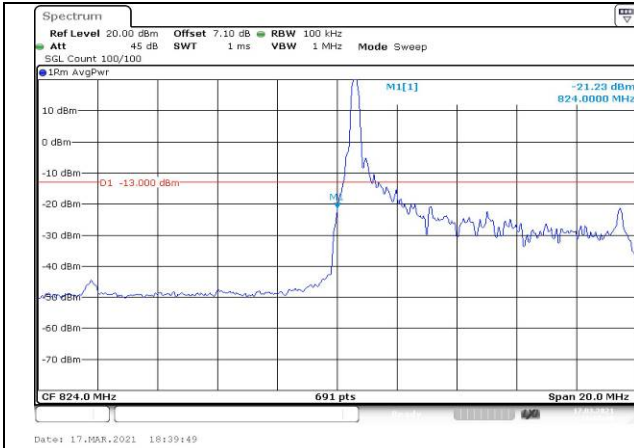


Fig.13

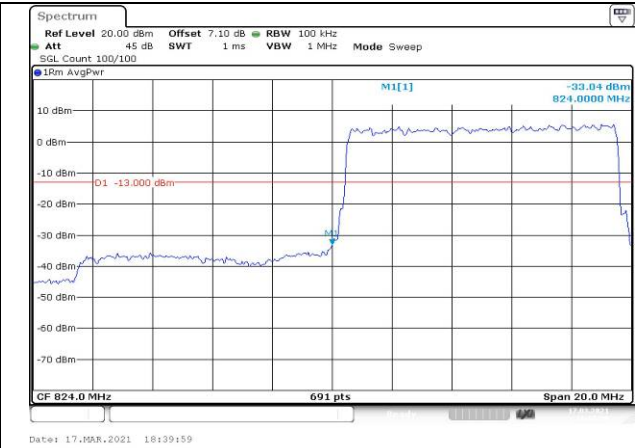


Fig.14

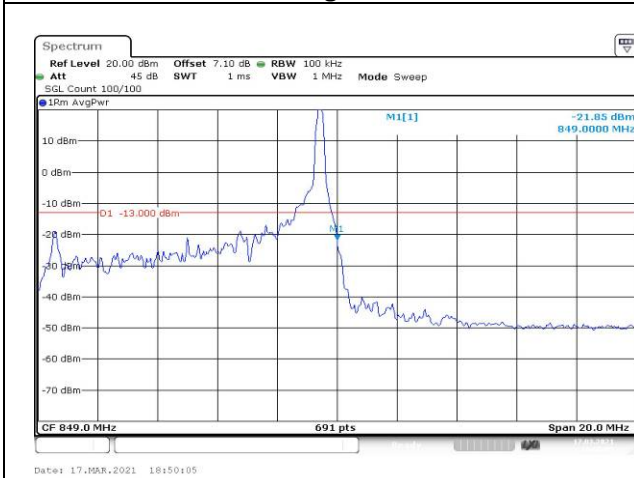


Fig.15

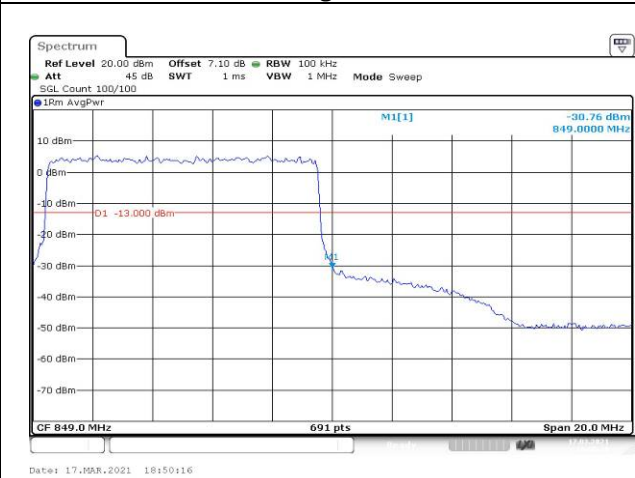


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.011	-0.012	0.026	0.021	---	---
0	NV	-0.009	-0.025	-0.053	-0.008	---	---
+10	NV	-0.015	-0.017	-0.008	0.051	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.008	0.001	-0.019	0.001	---	---
+40	NV	0.027	0.014	0.018	0.014	---	---
+50	NV	-0.017	0.018	-0.030	-0.016	---	---
+55	NV	-0.012	0.015	-0.023	-0.011	---	---
+20	LV	0.003	0.009	-0.007	0.018	---	---
+20	HV	-0.004	-0.020	-0.054	0.025	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.026	-0.008	-0.025	-0.024	---	---
0	NV	0.020	-0.032	-0.041	-0.016	---	---
+10	NV	-0.032	0.028	-0.039	0.021	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.008	0.017	-0.026	0.006	---	---
+40	NV	0.027	-0.019	-0.005	-0.037	---	---
+50	NV	-0.006	0.010	0.002	-0.041	---	---
+55	NV	-0.013	0.012	-0.022	-0.031	---	---
+20	LV	0.011	0.003	-0.003	0.046	---	---
+20	HV	0.001	-0.006	-0.020	0.010	---	---

8 Effective Radiated Power and Effective Isotropic Radiated Power

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	24.71	18.71	0.074	
				1	3	24.61	18.61	0.073	
				1	5	24.63	18.63	0.073	
				3	0	24.73	18.73	0.075	
				3	1	24.74	18.74	0.075	
				3	3	24.71	18.71	0.074	
				6	0	23.55	17.55	0.057	
	836.5	20525		1	0	24.49	18.49	0.071	
				1	3	24.55	18.55	0.072	
				1	5	24.54	18.54	0.071	
				3	0	24.69	18.69	0.074	
				3	1	24.64	18.64	0.073	
				3	3	24.64	18.64	0.073	
				6	0	23.61	17.61	0.058	
	848.3	20643		1	0	24.47	18.47	0.070	
				1	3	24.44	18.44	0.070	
				1	5	24.42	18.42	0.070	
				3	0	24.58	18.58	0.072	
				3	1	24.53	18.53	0.071	
				3	3	24.52	18.52	0.071	
				6	0	23.46	17.46	0.056	
	16QAM	824.7		20407	1	0	23.16	17.16	0.052
					1	3	23.18	17.18	0.052
					1	5	23.41	17.41	0.055
3					0	23.82	17.82	0.061	
3					1	23.82	17.82	0.061	
3					3	23.81	17.81	0.060	
6					0	22.92	16.92	0.049	
836.5		20525		1	0	23.72	17.72	0.059	
				1	3	23.88	17.88	0.061	
				1	5	23.88	17.88	0.061	
				3	0	23.73	17.73	0.059	
				3	1	23.65	17.65	0.058	
				3	3	23.58	17.58	0.057	
				6	0	22.65	16.65	0.046	
848.3		20643		1	0	24.07	18.07	0.064	
				1	3	24.01	18.01	0.063	
				1	5	24.13	18.13	0.065	
				3	0	23.45	17.45	0.056	
				3	1	23.41	17.41	0.055	
				3	3	23.31	17.31	0.054	
				6	0	22.79	16.79	0.048	

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	22.92	16.92	0.049
				1	3	22.92	16.92	0.049
				1	5	22.91	16.91	0.049
				3	0	22.90	16.90	0.049
				3	1	22.90	16.90	0.049
				3	3	22.89	16.89	0.049
				6	0	22.89	16.89	0.049
	836.5	20525		1	0	22.65	16.65	0.046
				1	3	22.65	16.65	0.046
				1	5	22.66	16.66	0.046
				3	0	22.66	16.66	0.046
				3	1	22.66	16.66	0.046
				3	3	22.80	16.80	0.048
				6	0	22.80	16.80	0.048
	848.3	20643		1	0	22.75	16.75	0.047
				1	3	22.71	16.71	0.047
				1	5	22.71	16.71	0.047
				3	0	22.71	16.71	0.047
				3	1	22.71	16.71	0.047
				3	3	22.71	16.71	0.047
				6	0	22.71	16.71	0.047

Modulation	Carrier frequen- cy (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	24.51	18.51	0.071
				1	8	24.41	18.41	0.069
				1	14	24.43	18.43	0.070
				8	0	23.61	17.61	0.058
				8	4	23.60	17.60	0.058
				8	7	23.59	17.59	0.057
				15	0	23.69	17.69	0.059
	836.5	20525		1	0	24.44	18.44	0.070
				1	8	24.58	18.58	0.072
				1	14	24.57	18.57	0.072
				8	0	23.61	17.61	0.058
				8	4	23.49	17.49	0.056
				8	7	23.49	17.49	0.056
				15	0	23.57	17.57	0.057
	847.5	20635		1	0	24.63	18.63	0.073
				1	8	24.72	18.72	0.074
				1	14	24.55	18.55	0.072
				8	0	23.54	17.54	0.057
				8	4	23.53	17.53	0.057
				8	7	23.53	17.53	0.057
				15	0	23.39	17.39	0.055
16QAM	825.5	20415	1	0	24.07	18.07	0.064	
			1	8	24.05	18.05	0.064	
			1	14	24.04	18.04	0.064	
			8	0	23.05	17.05	0.051	
			8	4	23.06	17.06	0.051	
			8	7	23.06	17.06	0.051	
			15	0	22.81	16.81	0.048	
	836.5	20525	1	0	24.38	18.38	0.069	
			1	8	24.48	18.48	0.070	
			1	14	24.34	18.34	0.068	
			8	0	22.75	16.75	0.047	
			8	4	22.75	16.75	0.047	
			8	7	22.75	16.75	0.047	
			15	0	22.73	16.73	0.047	
	847.5	20635	1	0	23.55	17.55	0.057	
			1	8	23.44	17.44	0.055	
			1	14	23.41	17.41	0.055	
			8	0	22.75	16.75	0.047	
			8	4	22.73	16.73	0.047	
			8	7	22.73	16.73	0.047	
			15	0	22.65	16.65	0.046	

Modulation	Carrier frequen 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	22.81	16.81	0.048
				1	8	22.81	16.81	0.048
				1	14	22.81	16.81	0.048
				8	0	22.81	16.81	0.048
				8	4	22.81	16.81	0.048
				8	7	22.81	16.81	0.048
				15	0	22.81	16.81	0.048
	836.5	20525		1	0	22.77	16.77	0.048
				1	8	22.68	16.68	0.047
				1	14	22.68	16.68	0.047
				8	0	22.68	16.68	0.047
				8	4	22.68	16.68	0.047
				8	7	22.67	16.67	0.046
				15	0	22.74	16.74	0.047
	847.5	20635		1	0	22.65	16.65	0.046
				1	8	22.65	16.65	0.046
				1	14	22.65	16.65	0.046
				8	0	22.65	16.65	0.046
				8	4	22.65	16.65	0.046
				8	7	22.66	16.66	0.046
				15	0	22.65	16.65	0.046

Modulation	Carrier frequen- cy (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	24.68	18.68	0.074
				1	12	24.45	18.45	0.070
				1	24	24.43	18.43	0.070
				12	0	23.62	17.62	0.058
				12	7	23.45	17.45	0.056
				12	13	23.60	17.60	0.058
				25	0	23.48	17.48	0.056
	836.5	20525		1	0	24.74	18.74	0.075
				1	12	24.55	18.55	0.072
				1	24	24.55	18.55	0.072
				12	0	23.50	17.50	0.056
				12	7	23.52	17.52	0.056
				12	13	23.52	17.52	0.056
				25	0	23.57	17.57	0.057
	846.5	20625		1	0	24.58	18.58	0.072
				1	12	24.47	18.47	0.070
				1	24	24.46	18.46	0.070
				12	0	23.48	17.48	0.056
				12	7	23.45	17.45	0.056
				12	13	23.45	17.45	0.056
				25	0	23.66	17.66	0.058
16QAM	826.5	20425	1	0	22.94	16.94	0.049	
			1	12	22.80	16.80	0.048	
			1	24	22.79	16.79	0.048	
			12	0	22.86	16.86	0.049	
			12	7	22.70	16.70	0.047	
			12	13	22.70	16.70	0.047	
			25	0	22.73	16.73	0.047	
	836.5	20525	1	0	23.62	17.62	0.058	
			1	12	23.63	17.63	0.058	
			1	24	23.75	17.75	0.060	
			12	0	22.73	16.73	0.047	
			12	7	22.72	16.72	0.047	
			12	13	22.62	16.62	0.046	
			25	0	22.71	16.71	0.047	
	846.5	20625	1	0	23.61	17.61	0.058	
			1	12	23.64	17.64	0.058	
			1	24	23.64	17.64	0.058	
			12	0	22.58	16.58	0.045	
			12	7	22.62	16.62	0.046	
			12	13	22.63	16.63	0.046	
			25	0	22.70	16.70	0.047	

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	22.84	16.84	0.048
				1	12	22.73	16.73	0.047
				1	24	22.84	16.84	0.048
				12	0	22.84	16.84	0.048
				12	7	22.84	16.84	0.048
				12	13	22.84	16.84	0.048
				25	0	22.84	16.84	0.048
	836.5	20525		1	0	22.61	16.61	0.046
				1	12	22.61	16.61	0.046
				1	24	22.61	16.61	0.046
				12	0	22.72	16.72	0.047
				12	7	22.72	16.72	0.047
				12	13	22.72	16.72	0.047
				25	0	22.72	16.72	0.047
	846.5	20625		1	0	22.50	16.50	0.045
				1	12	22.50	16.50	0.045
				1	24	22.50	16.50	0.045
				12	0	22.50	16.50	0.045
				12	7	22.64	16.64	0.046
				12	13	22.50	16.50	0.045
				25	0	22.64	16.64	0.046

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	24.48	18.48	0.070
				1	25	24.55	18.55	0.072
				1	49	24.44	18.44	0.070
				25	0	23.59	17.59	0.057
				25	12	23.45	17.45	0.056
				25	25	23.44	17.44	0.055
				50	0	23.57	17.57	0.057
	836.5	20525		1	0	24.58	18.58	0.072
				1	25	24.58	18.58	0.072
				1	49	24.58	18.58	0.072
				25	0	23.58	17.58	0.057
				25	12	23.51	17.51	0.056
				25	25	23.52	17.52	0.056
				50	0	23.56	17.56	0.057
	844	20600		1	0	24.58	18.58	0.072
				1	25	24.52	18.52	0.071
				1	49	24.51	18.51	0.071
				25	0	23.48	17.48	0.056
				25	12	23.64	17.64	0.058
				25	25	23.64	17.64	0.058
				50	0	23.41	17.41	0.055
16QAM	829	20450	1	0	23.88	17.88	0.061	
			1	25	23.84	17.84	0.061	
			1	49	23.88	17.88	0.061	
			25	0	22.68	16.68	0.047	
			25	12	22.70	16.70	0.047	
			25	25	22.70	16.70	0.047	
			50	0	22.71	16.71	0.047	
	836.5	20525	1	0	24.37	18.37	0.069	
			1	25	24.30	18.30	0.068	
			1	49	24.31	18.31	0.068	
			25	0	22.73	16.73	0.047	
			25	12	22.67	16.67	0.046	
			25	25	22.63	16.63	0.046	
			50	0	22.75	16.75	0.047	
	844	20600	1	0	23.47	17.47	0.056	
			1	25	23.51	17.51	0.056	
			1	49	23.51	17.51	0.056	
			25	0	22.84	16.84	0.048	
			25	12	22.83	16.83	0.048	
			25	25	22.83	16.83	0.048	
			50	0	22.65	16.65	0.046	

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	22.71	16.71	0.047
				1	25	22.70	16.70	0.047
				1	49	22.70	16.70	0.047
				25	0	22.70	16.70	0.047
				25	12	22.71	16.71	0.047
				25	25	22.70	16.70	0.047
				50	0	22.71	16.71	0.047
	836.5	20525		1	0	22.70	16.70	0.047
				1	25	22.70	16.70	0.047
				1	49	22.70	16.70	0.047
				25	0	22.85	16.85	0.048
				25	12	22.68	16.68	0.047
				25	25	22.69	16.69	0.047
				50	0	22.69	16.69	0.047
	844	20600		1	0	22.65	16.65	0.046
				1	25	22.65	16.65	0.046
				1	49	22.51	16.51	0.045
				25	0	22.51	16.51	0.045
				25	12	22.51	16.51	0.045
				25	25	22.66	16.66	0.046
				50	0	22.65	16.65	0.046