

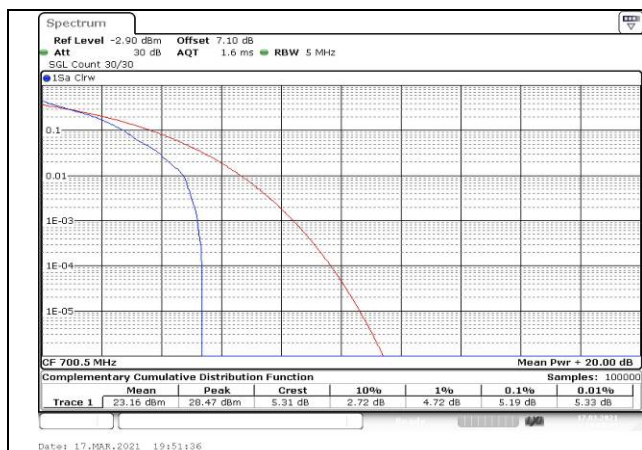


Fig.19

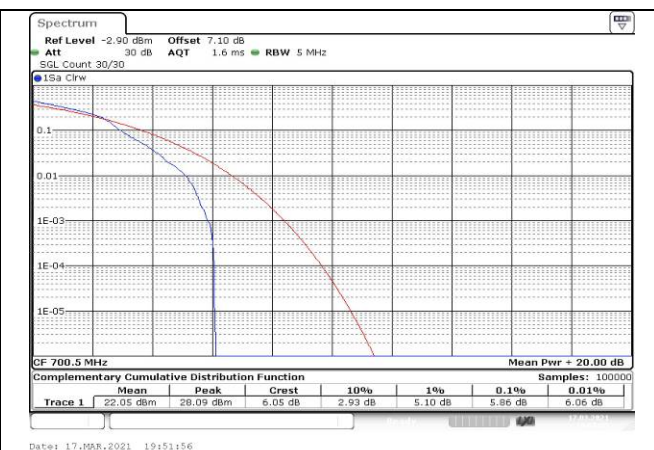


Fig.20

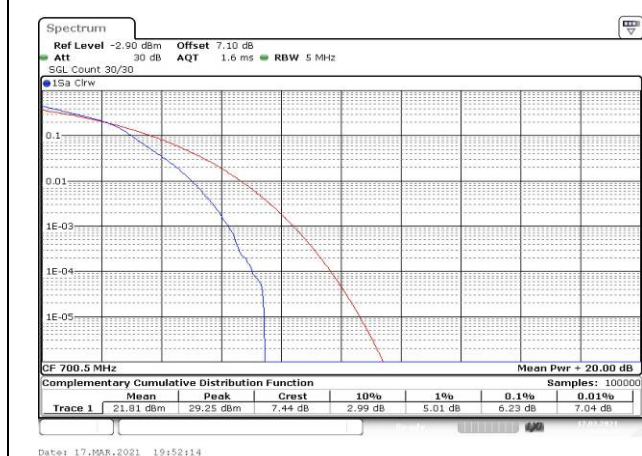


Fig.21

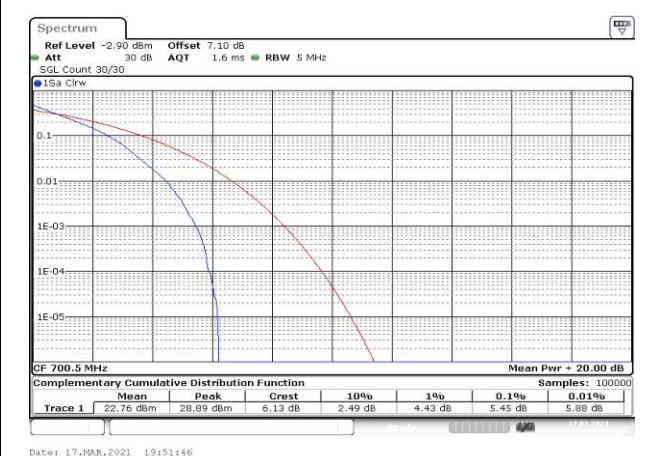


Fig.22

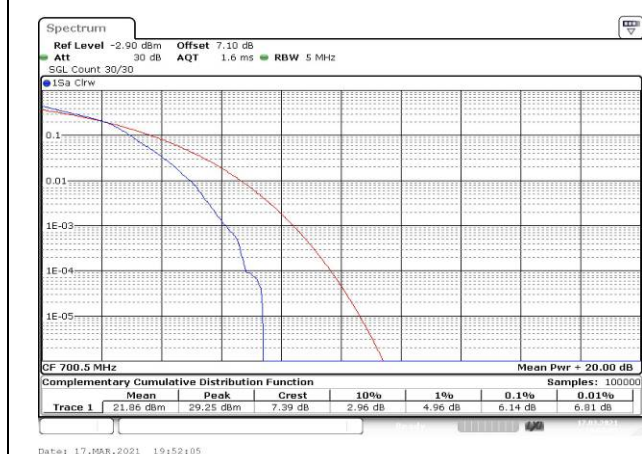


Fig.23

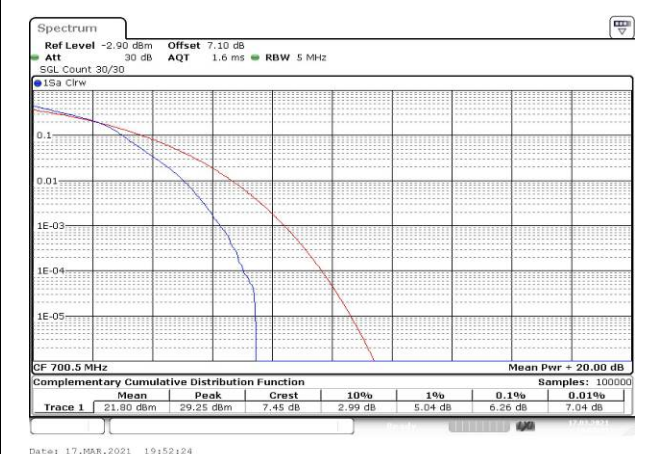


Fig.24

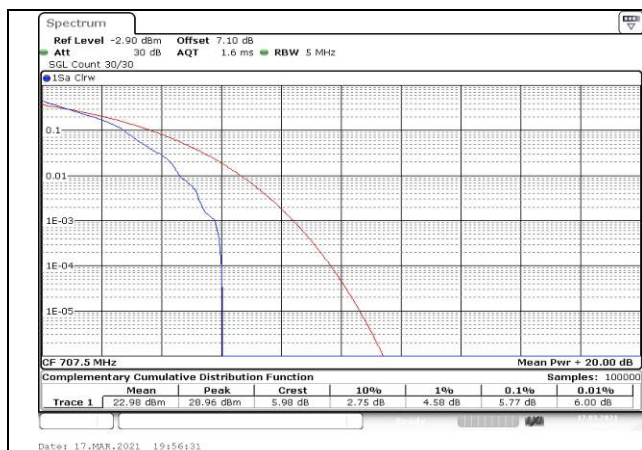


Fig.25

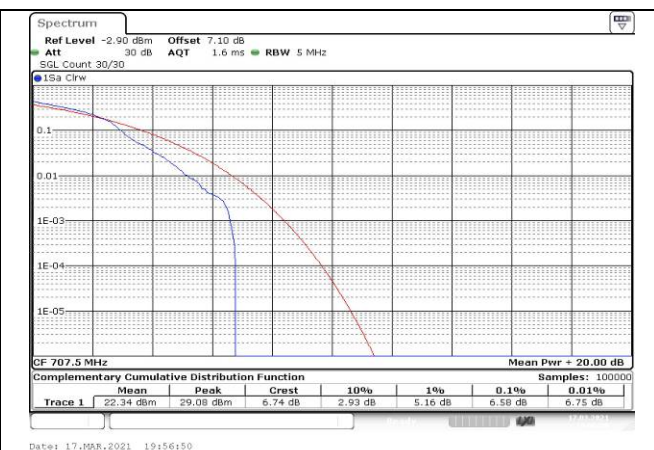


Fig.26

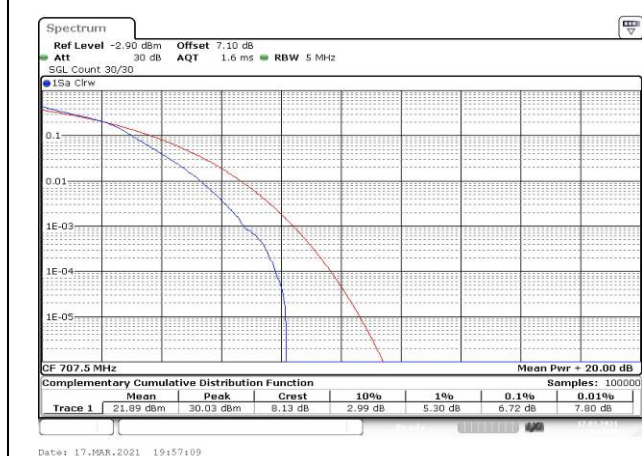


Fig.27

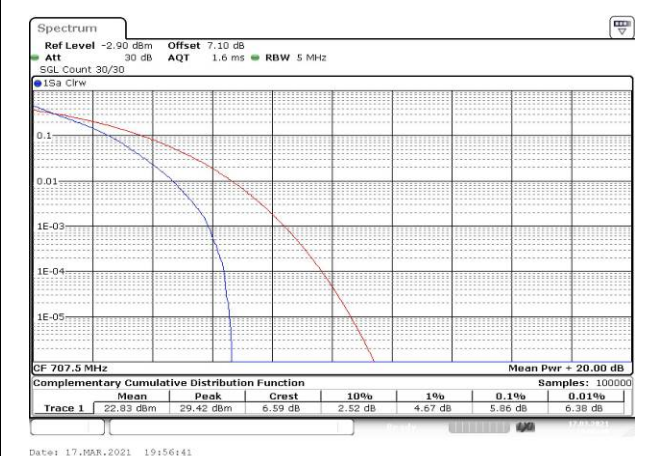


Fig.28

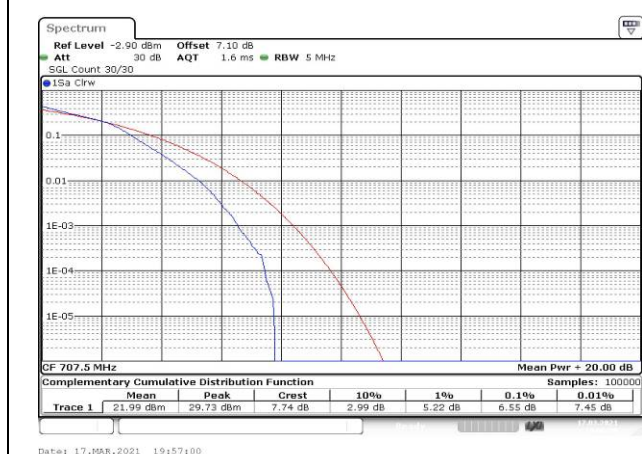


Fig.29

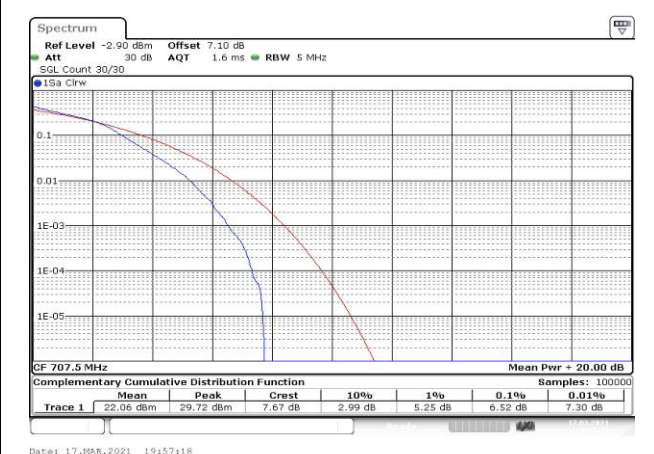


Fig.30

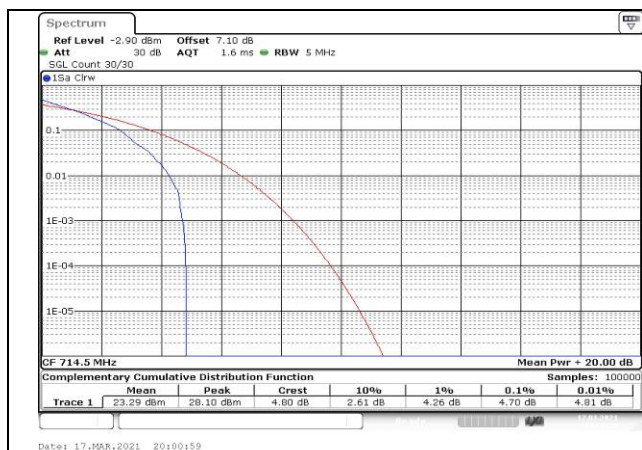


Fig.31

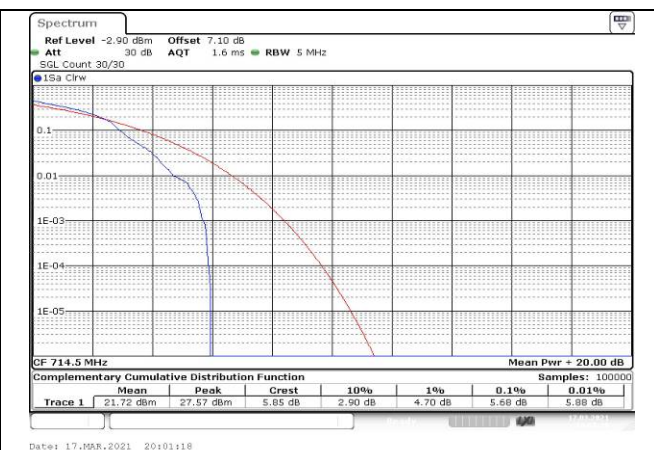


Fig.32

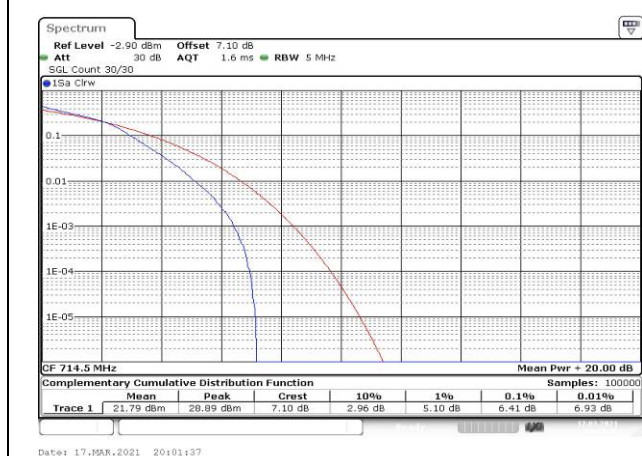


Fig.33

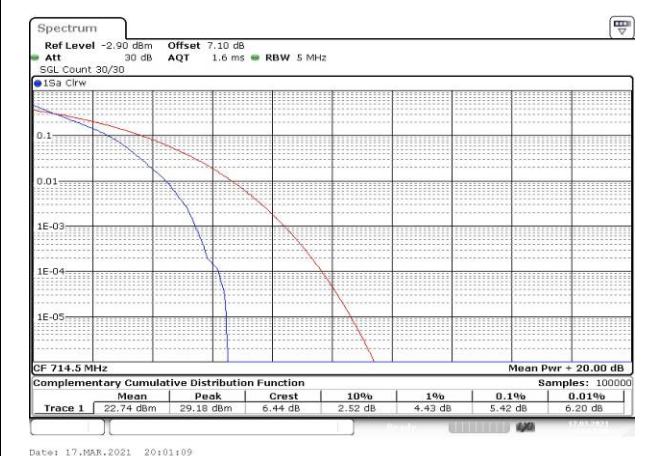


Fig.34

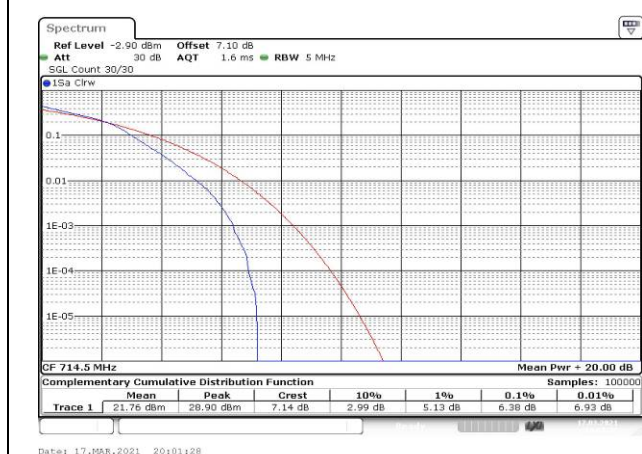


Fig.35

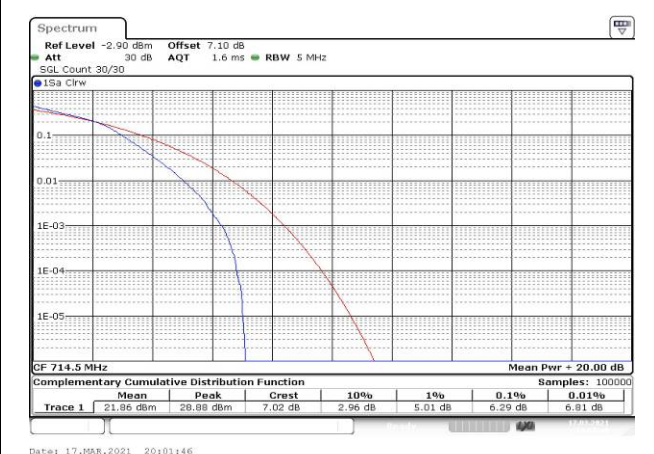


Fig.36

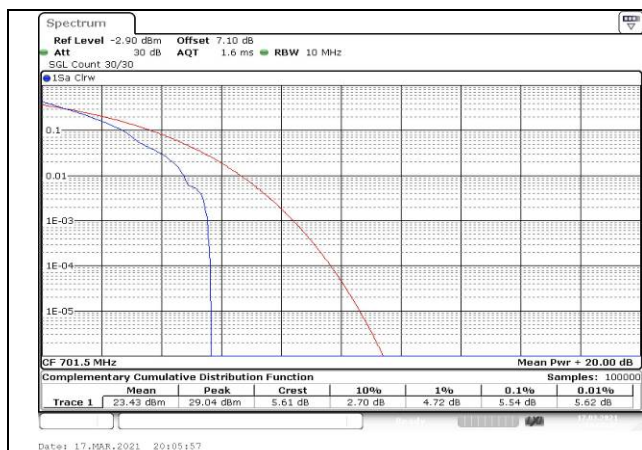


Fig.37

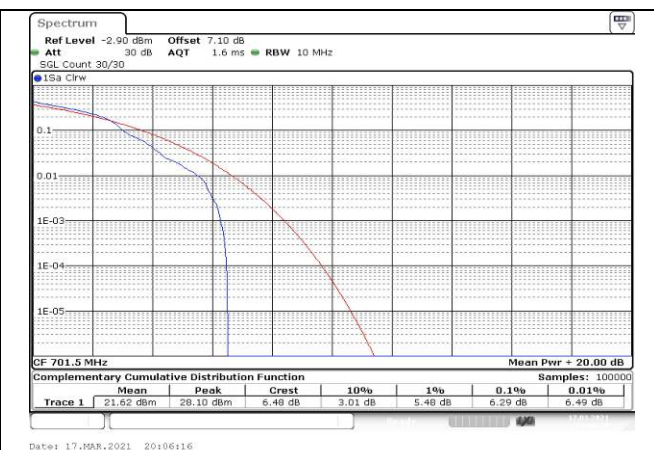


Fig.38

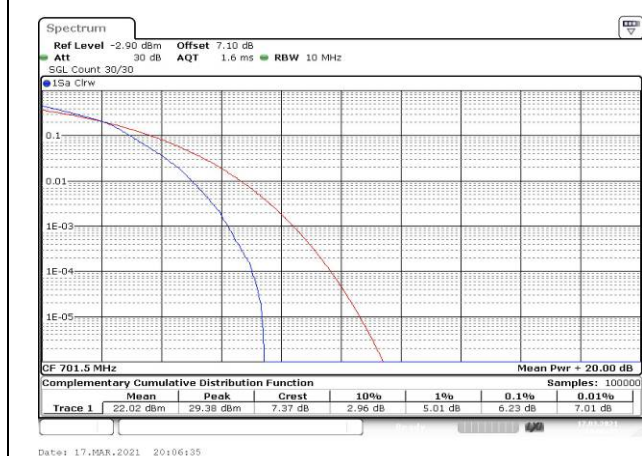


Fig.39

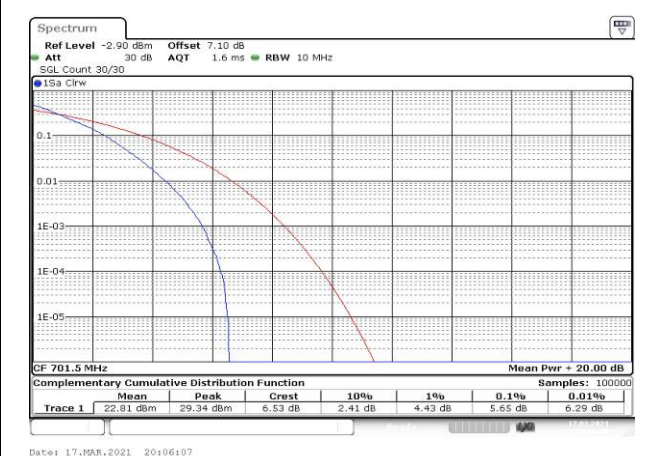


Fig.40

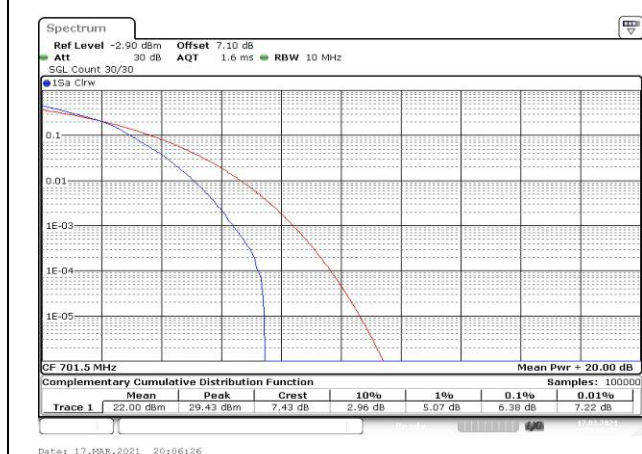


Fig.41



Fig.42

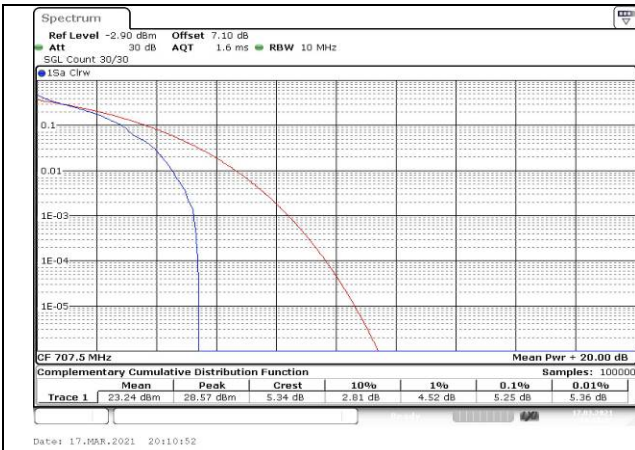


Fig.43



Fig.44

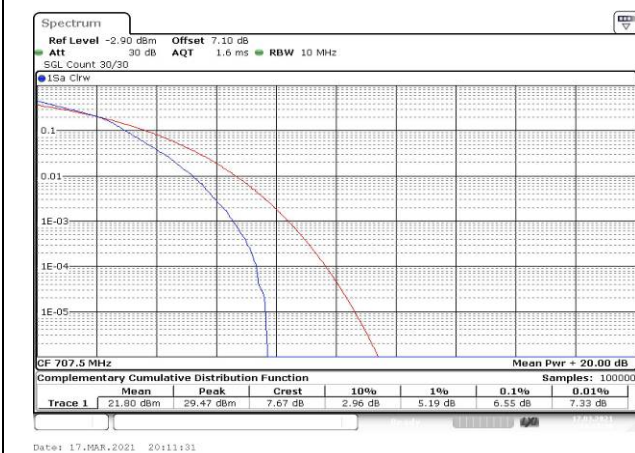


Fig.45

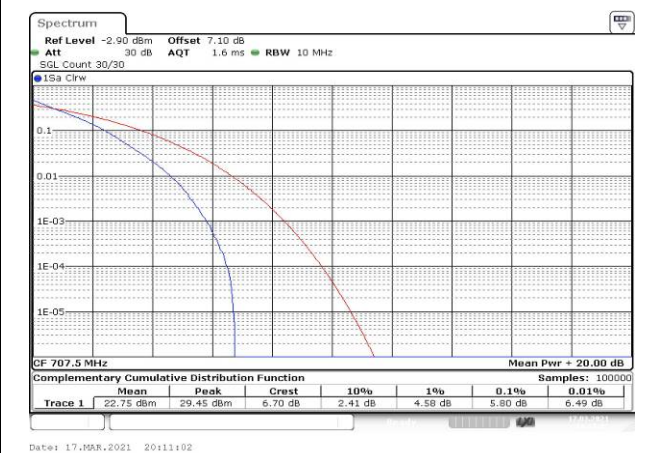


Fig.46

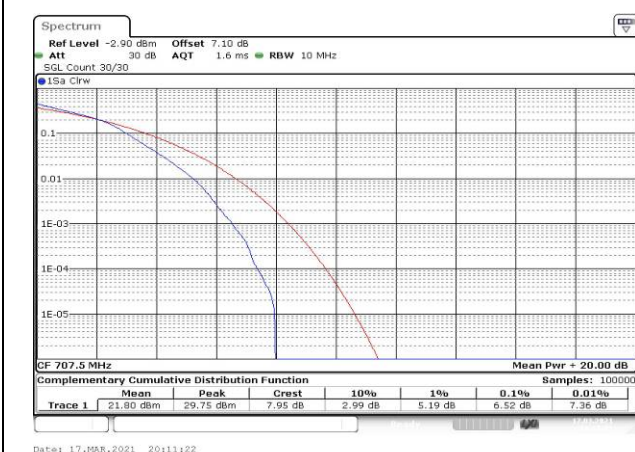


Fig.47

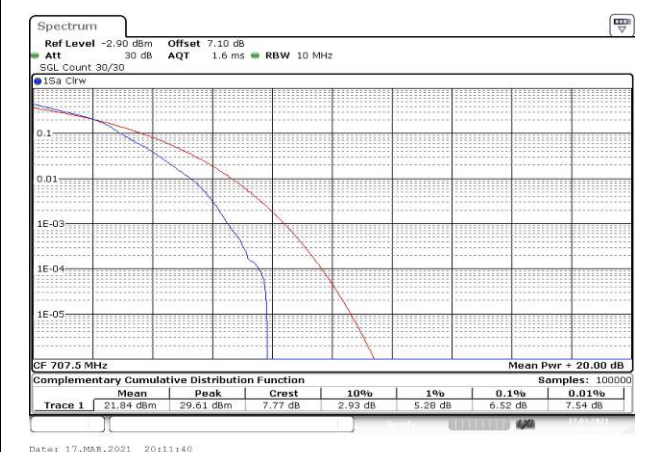


Fig.48

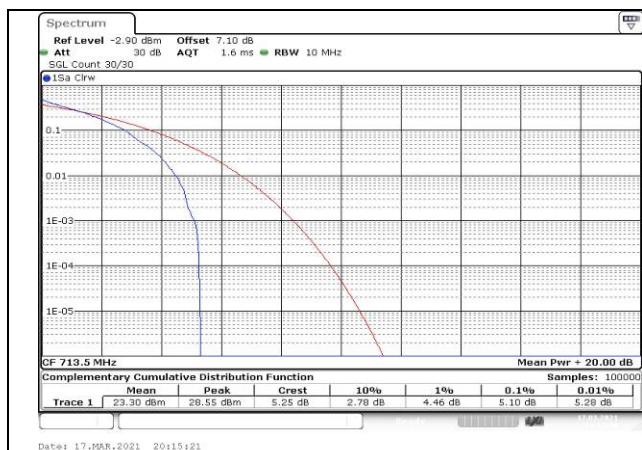


Fig.49

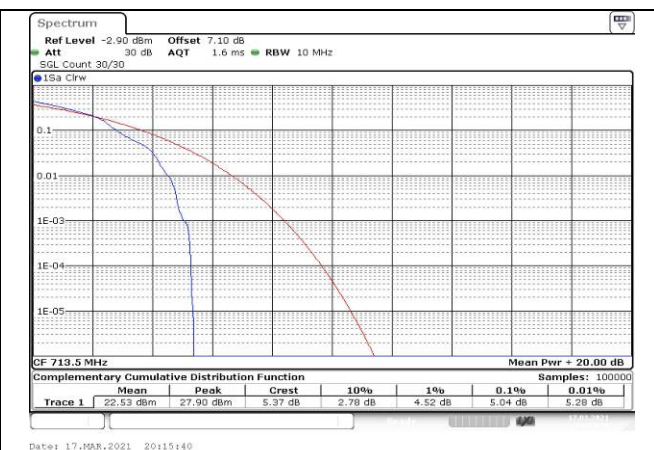


Fig.50

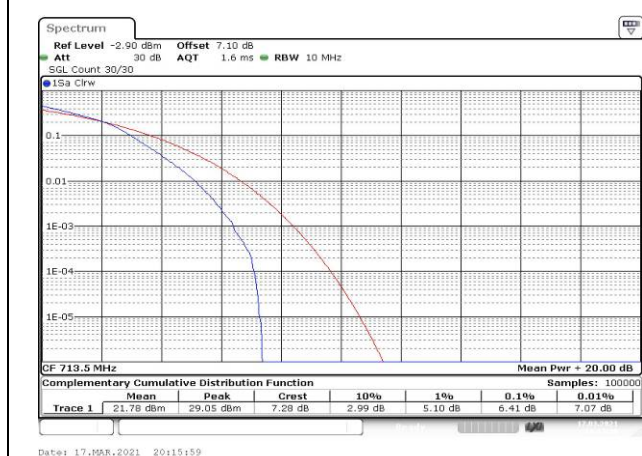


Fig.51



Fig.52

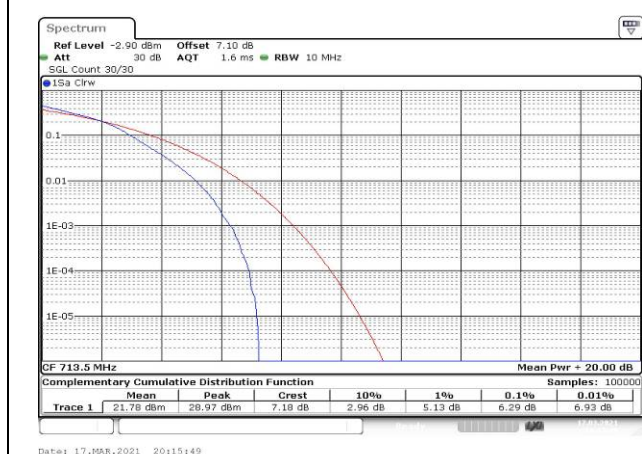


Fig.53



Fig.54

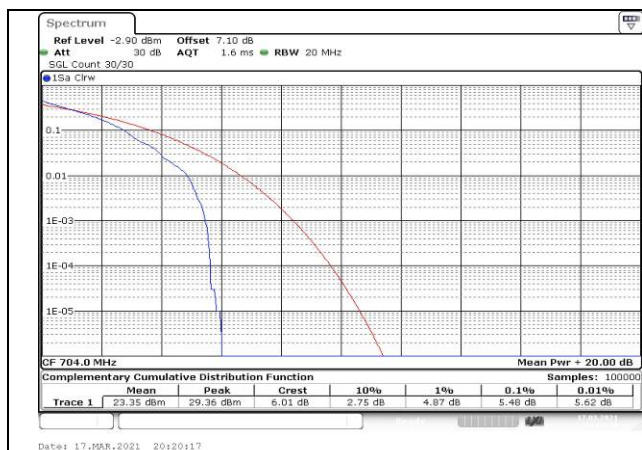


Fig.55

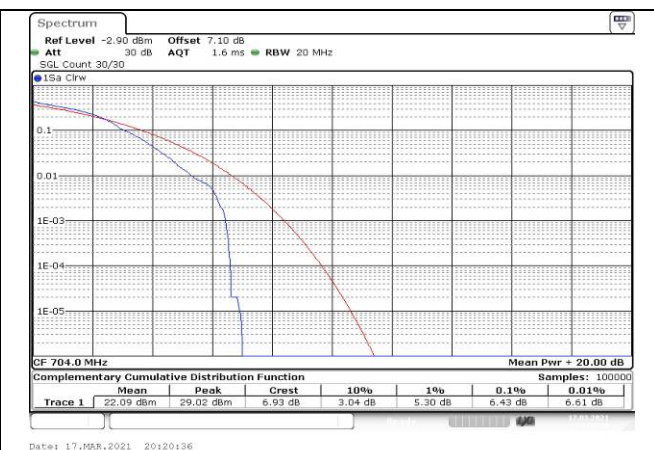


Fig.56

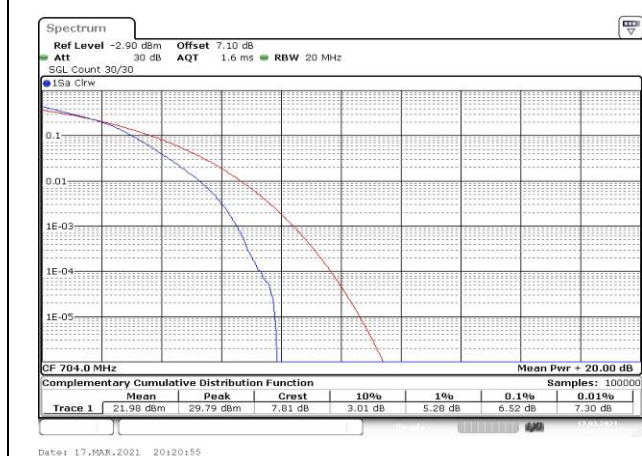


Fig.57

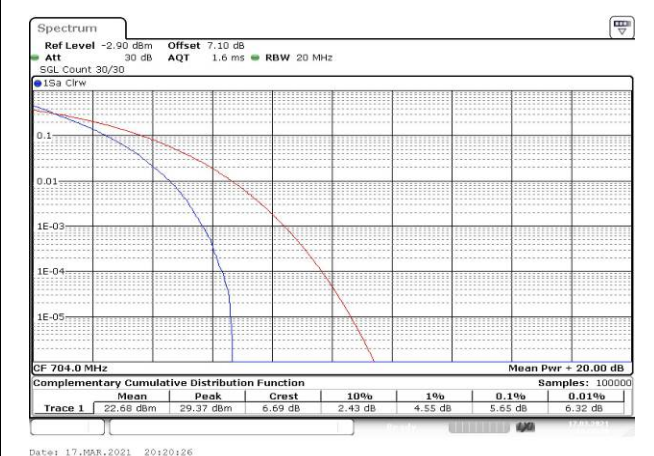


Fig.58

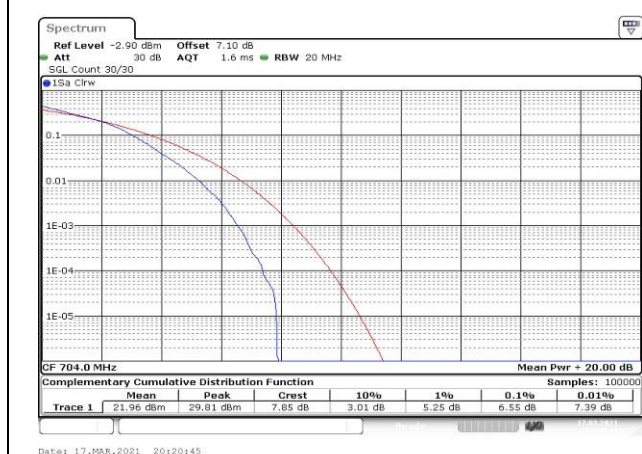


Fig.59

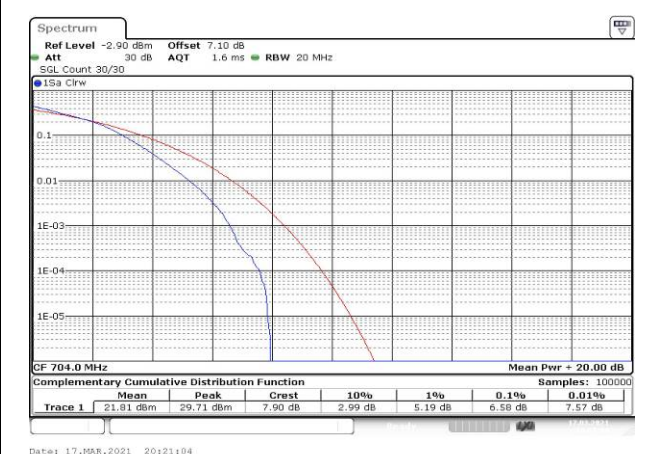


Fig.60

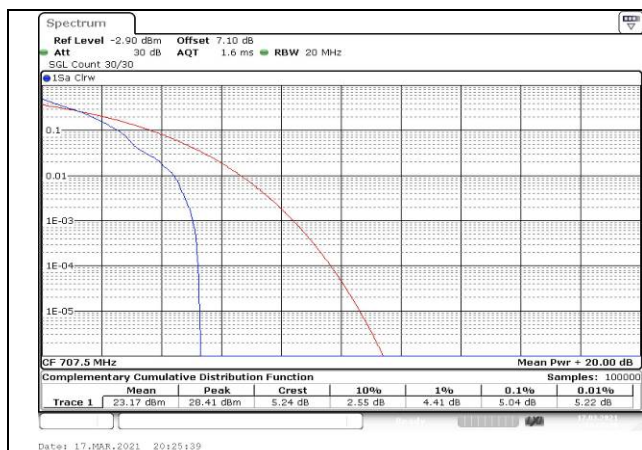


Fig.61

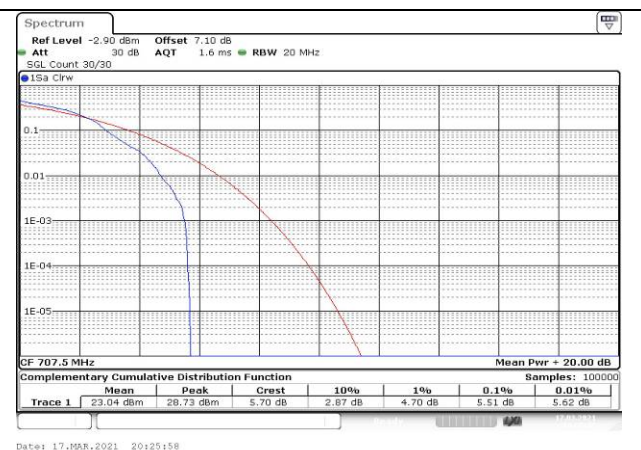


Fig.62

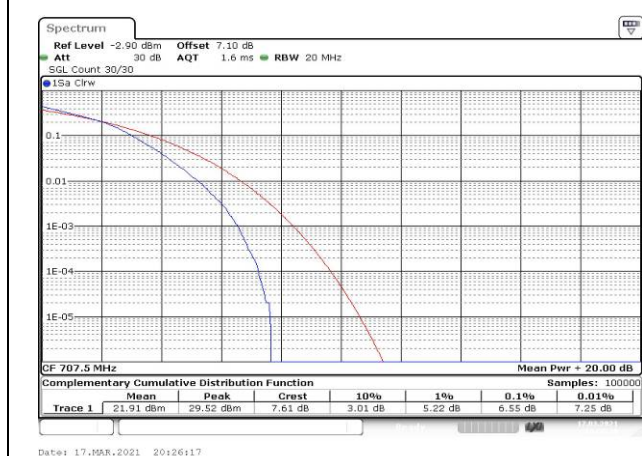


Fig.63

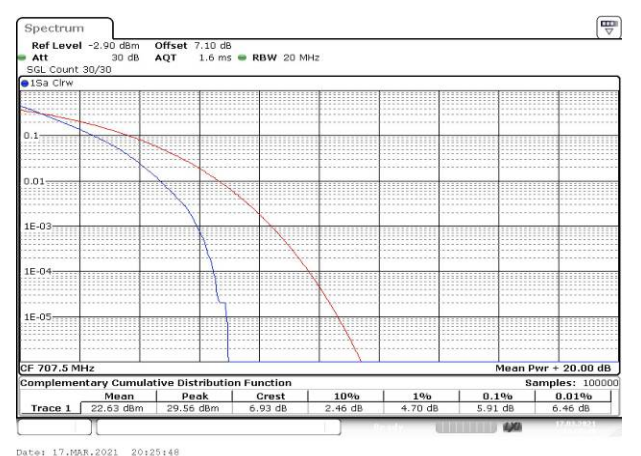


Fig.64

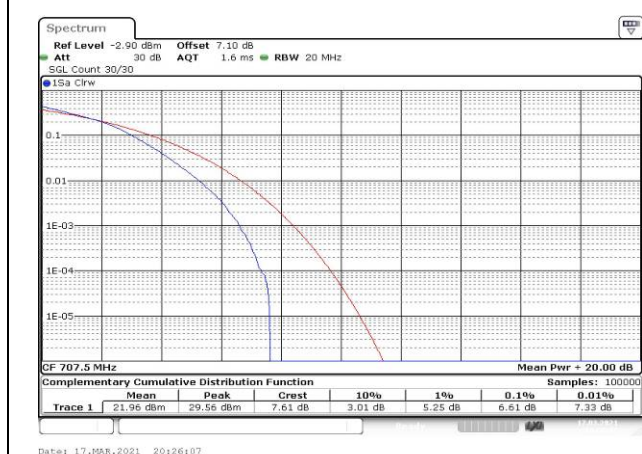


Fig.65

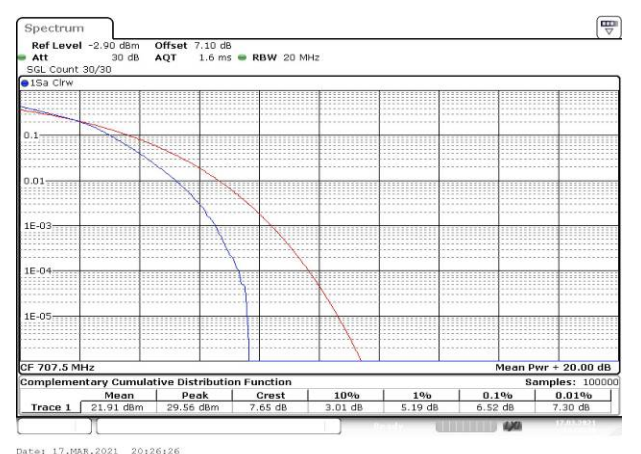


Fig.66

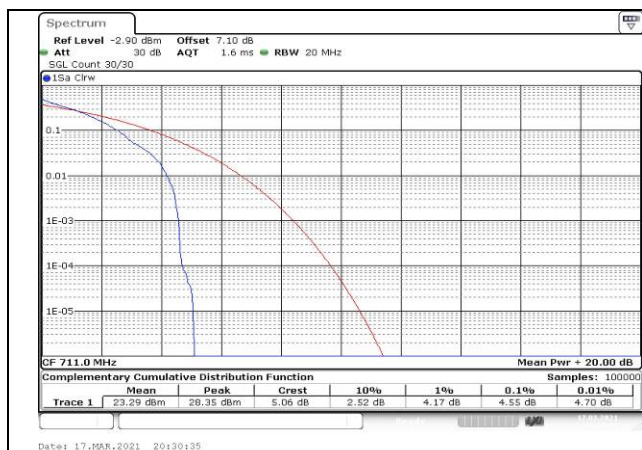


Fig.67

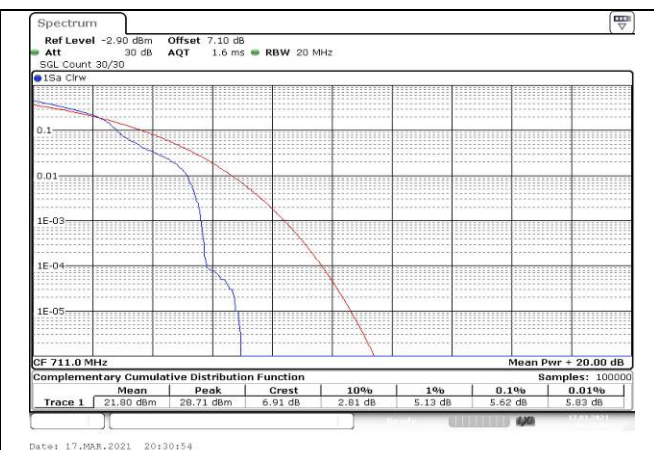


Fig.68

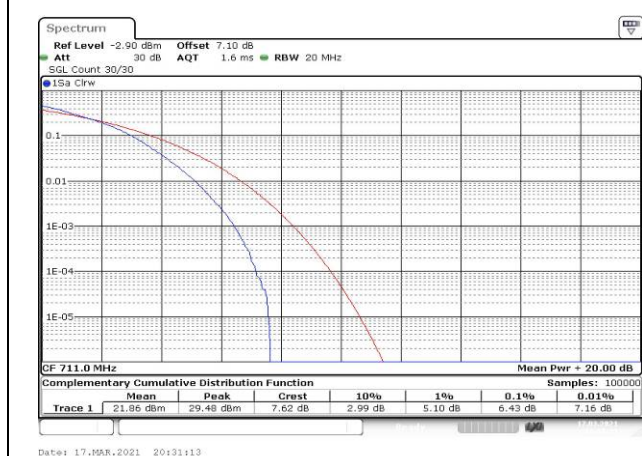


Fig.69

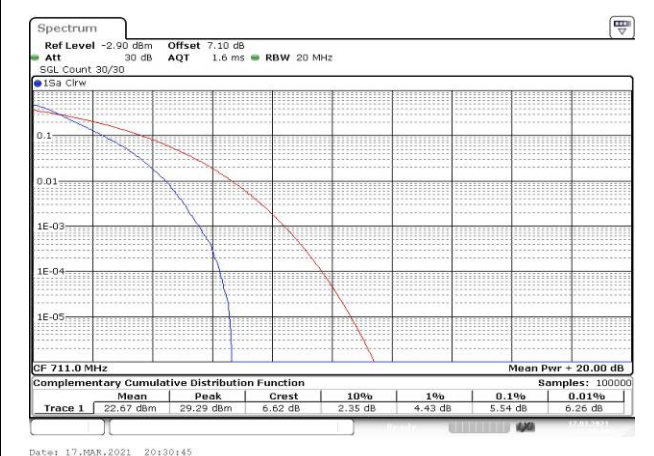


Fig.70

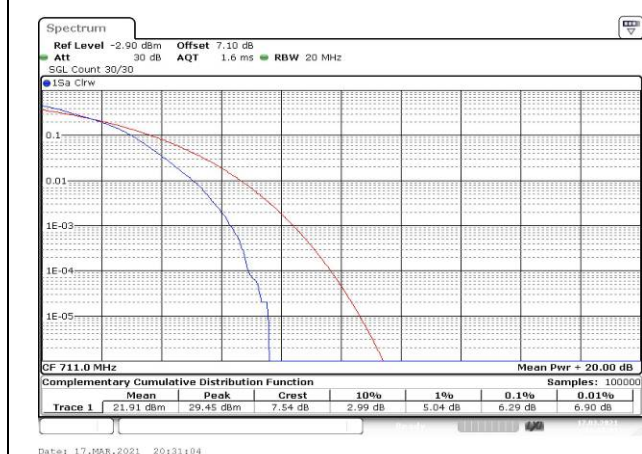


Fig.71



Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
12	704	23060	10	1	0	Fig.1
	707.5	23095		1	0	Fig.2
	711	23130		1	0	Fig.3

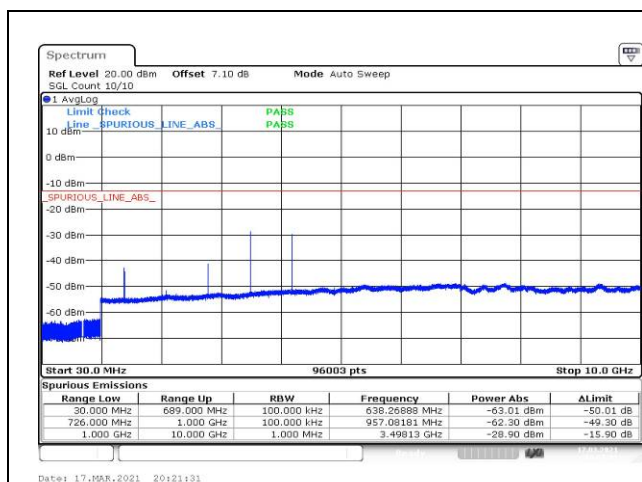


Fig.1

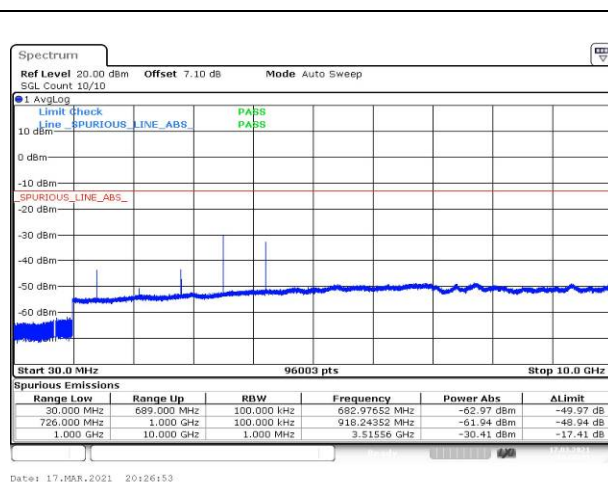


Fig.2

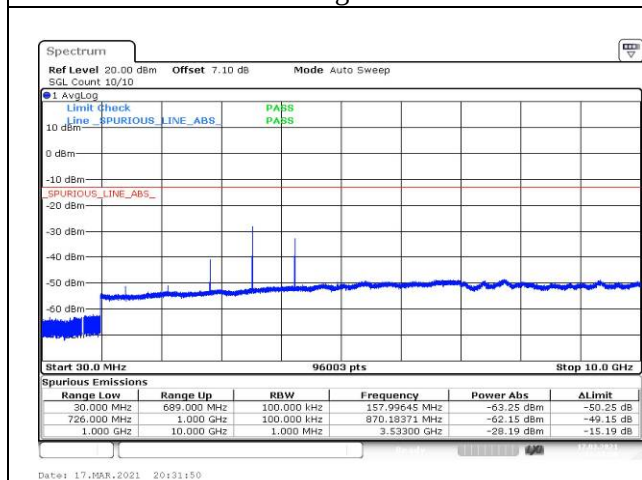
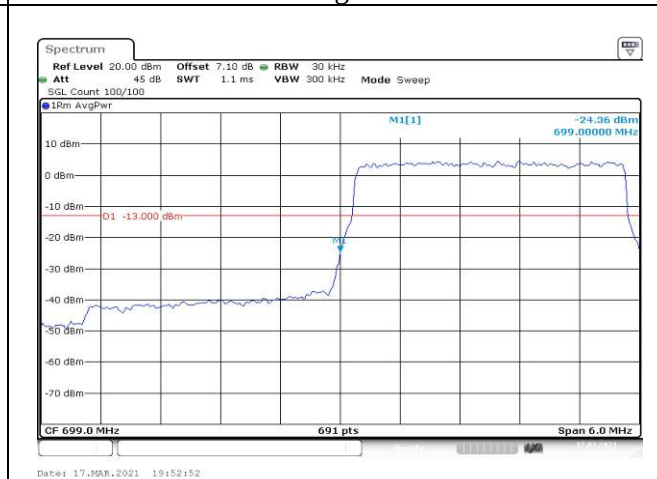
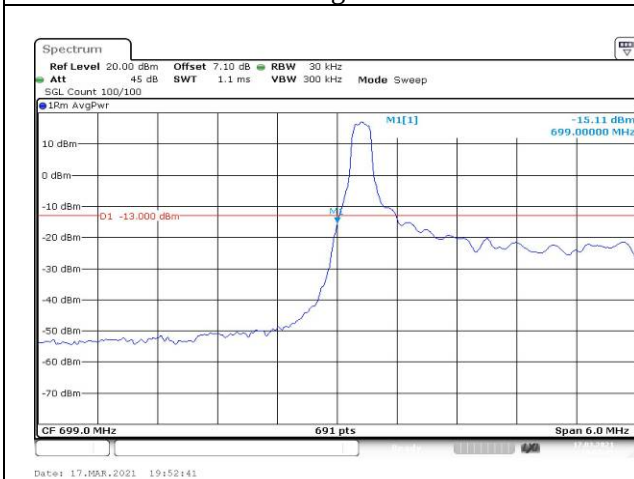
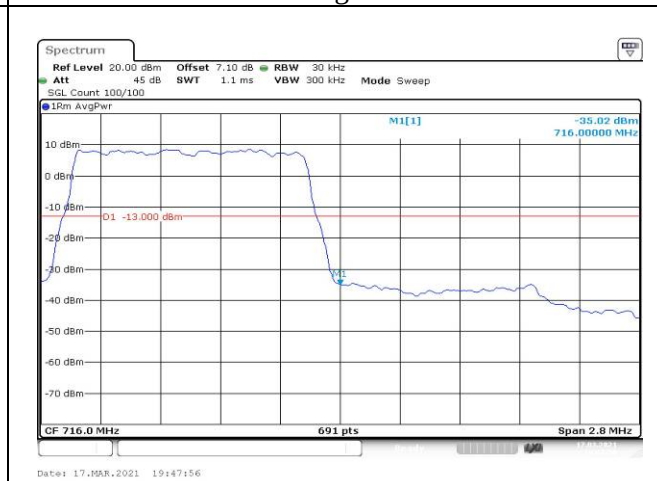
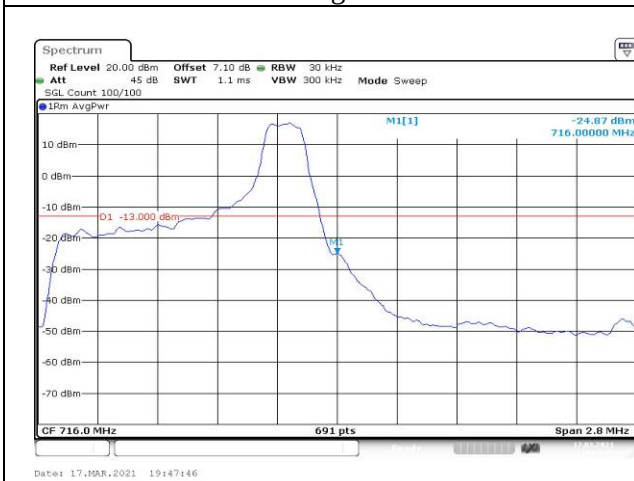
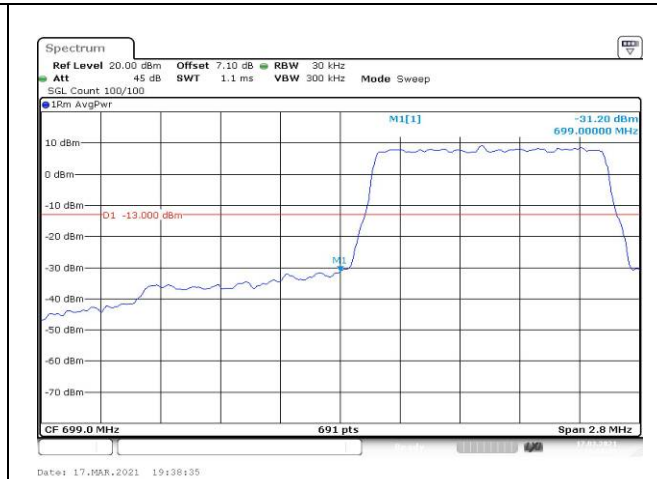
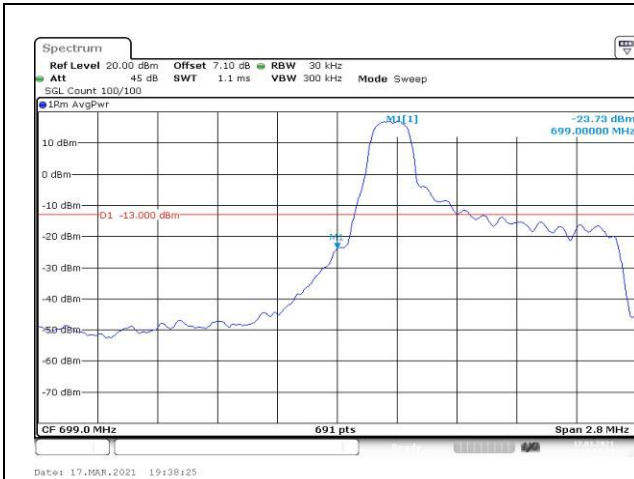
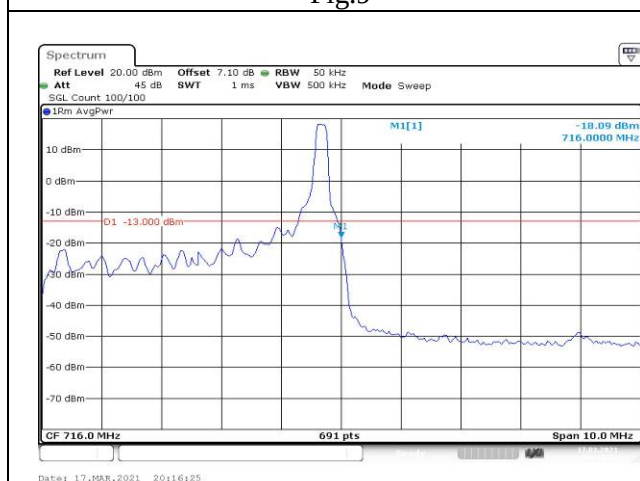
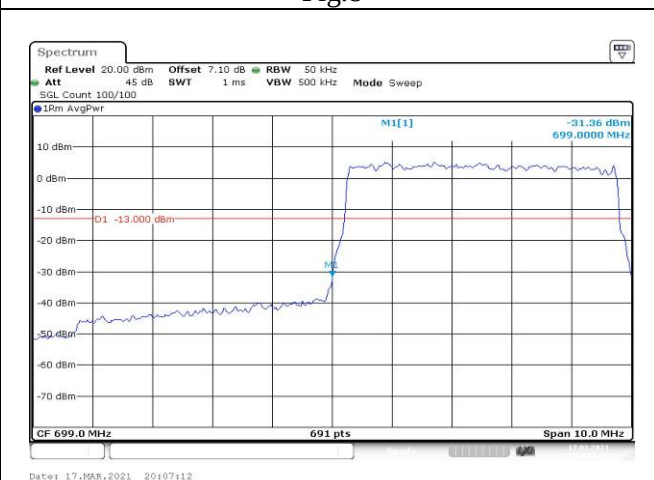
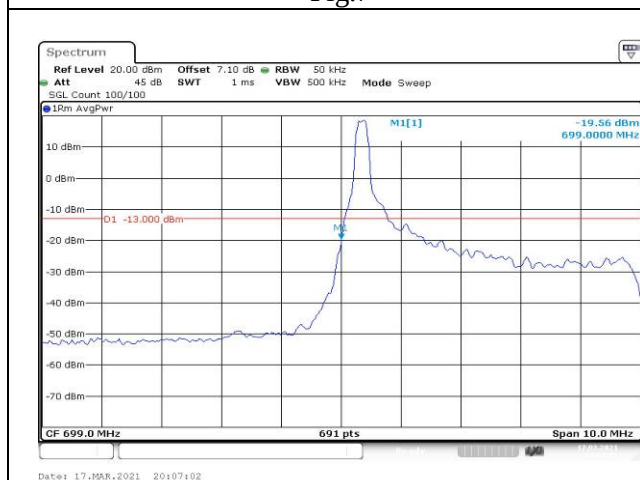
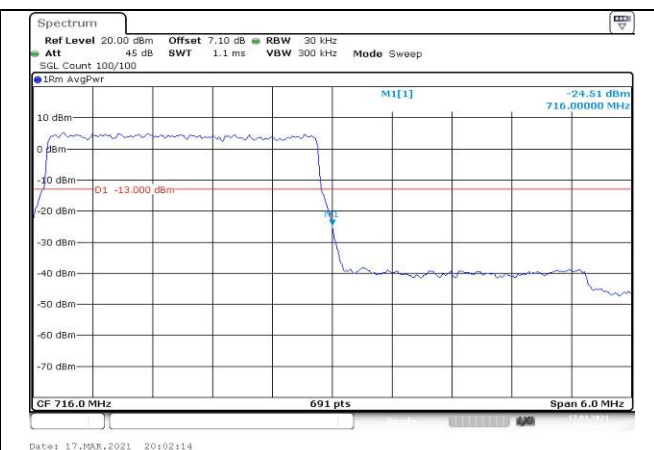
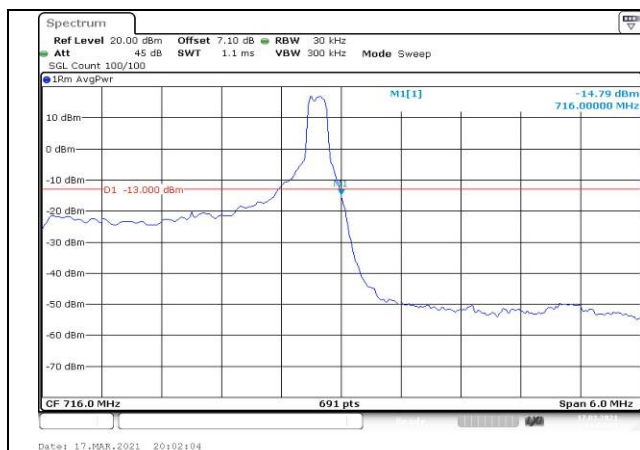


Fig.3

6 Band Edges Compliance

Band Edges Compliance						
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
12	699.7	23017	1.4	1	0	Fig.1
				6	0	Fig.2
	715.3	23173		1	5	Fig.3
				6	0	Fig.4
	700.5	23025	3	1	0	Fig.5
				15	0	Fig.6
	714.5	23165		1	14	Fig.7
				15	0	Fig.8
	701.5	23035	5	1	0	Fig.9
				25	0	Fig.10
	713.5	23155		1	24	Fig.11
				25	0	Fig.12
	704	23060	10	1	0	Fig.13
				50	0	Fig.14
	711	23130		1	49	Fig.15
				50	0	Fig.16





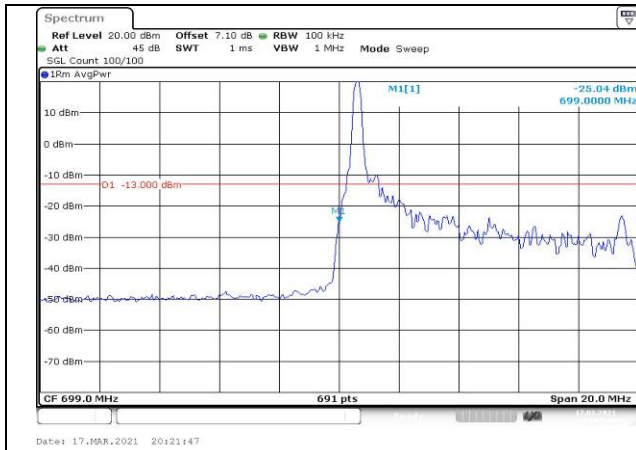


Fig.13

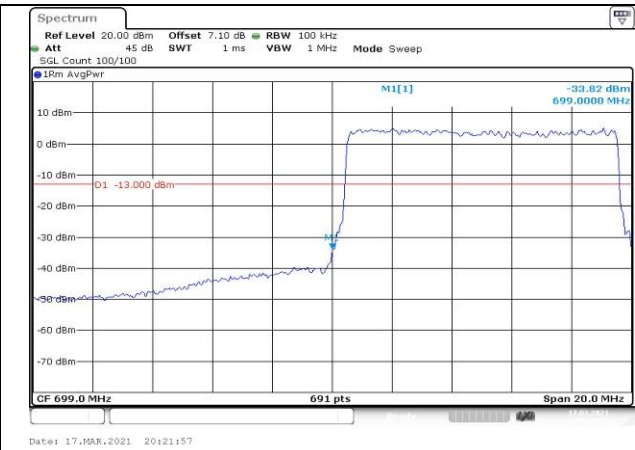


Fig.14

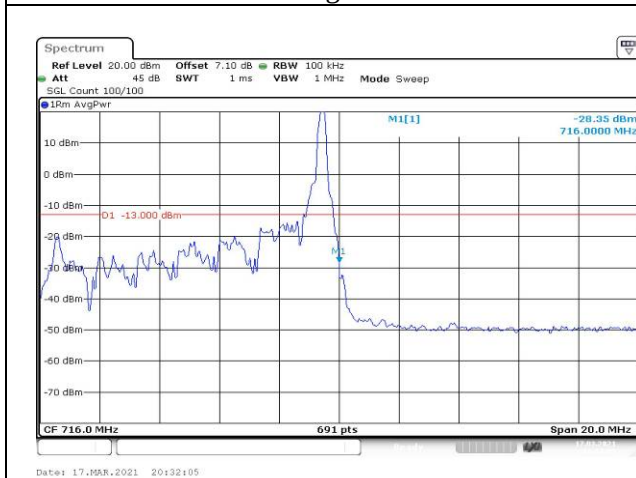


Fig.15

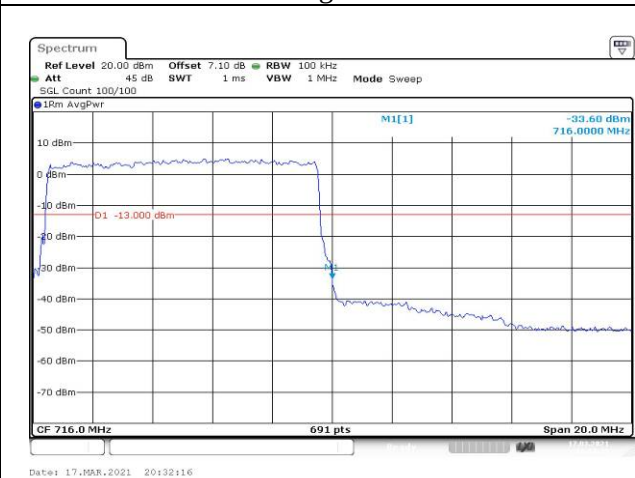


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.046	0.023	-0.041	-0.003	---	---
0	NV	-0.052	-0.005	-0.034	-0.025	---	---
+10	NV	-0.014	0.001	-0.023	-0.025	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	0.037	0.000	-0.013	0.008	---	---
+40	NV	-0.011	-0.066	0.022	-0.020	---	---
+50	NV	-0.034	-0.039	-0.004	-0.005	---	---
+55	NV	-0.024	-0.031	-0.008	-0.008	---	---
+20	LV	-0.037	-0.012	-0.046	0.012	---	---
+20	HV	0.004	-0.024	-0.051	0.003	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.036	-0.017	0.021	-0.048	---	---
0	NV	0.015	-0.049	0.005	-0.028	---	---
+10	NV	0.013	-0.037	-0.016	-0.029	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	0.005	-0.046	-0.016	-0.052	---	---
+40	NV	0.029	0.016	-0.019	0.029	---	---
+50	NV	-0.031	0.010	-0.002	-0.029	---	---
+55	NV	-0.025	-0.013	-0.009	-0.022	---	---
+20	LV	0.009	0.011	0.001	-0.019	---	---
+20	HV	-0.025	-0.050	-0.022	-0.047	---	---

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	699.7	23017	1.4	1	0	24.22	18.87	0.077	
				1	3	24.23	18.88	0.077	
				1	5	24.25	18.90	0.078	
				3	0	24.24	18.89	0.077	
				3	1	24.22	18.87	0.077	
				3	3	24.36	19.01	0.080	
				6	0	23.11	17.76	0.060	
	707.5	23095		1	0	24.13	18.78	0.076	
				1	3	24.19	18.84	0.077	
				1	5	24.17	18.82	0.076	
				3	0	24.21	18.86	0.077	
				3	1	24.33	18.98	0.079	
				3	3	24.31	18.96	0.079	
				6	0	23.35	18.00	0.063	
	715.3	23173		1	0	24.38	19.03	0.080	
				1	3	24.43	19.08	0.081	
				1	5	24.26	18.91	0.078	
				3	0	24.21	18.86	0.077	
				3	1	24.29	18.94	0.078	
				3	3	24.29	18.94	0.078	
				6	0	23.28	17.93	0.062	
	16QAM	699.7		23017	1	0	23.53	18.18	0.066
					1	3	23.59	18.24	0.067
					1	5	23.63	18.28	0.067
3					0	23.36	18.01	0.063	
3					1	23.30	17.95	0.062	
3					3	23.58	18.23	0.067	
6					0	22.54	17.19	0.052	
707.5		23095		1	0	24.12	18.77	0.075	
				1	3	23.53	18.18	0.066	
				1	5	23.53	18.18	0.066	
				3	0	23.30	17.95	0.062	
				3	1	23.27	17.92	0.062	
				3	3	23.28	17.93	0.062	
				6	0	22.64	17.29	0.054	
715.3		23173		1	0	23.06	17.71	0.059	
				1	3	23.07	17.72	0.059	
				1	5	23.02	17.67	0.058	
				3	0	23.36	18.01	0.063	
				3	1	23.40	18.05	0.064	
				3	3	23.40	18.05	0.064	
				6	0	22.40	17.05	0.051	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	699.7	23017	1.4	1	0	22.54	17.19	0.052
				1	3	22.42	17.07	0.051
				1	5	22.41	17.06	0.051
				3	0	22.41	17.06	0.051
				3	1	22.53	17.18	0.052
				3	3	22.52	17.17	0.052
				6	0	22.52	17.17	0.052
	707.5	23095		1	0	22.59	17.24	0.053
				1	3	22.59	17.24	0.053
				1	5	22.59	17.24	0.053
				3	0	22.59	17.24	0.053
				3	1	22.65	17.30	0.054
				3	3	22.42	17.07	0.051
				6	0	22.42	17.07	0.051
	715.3	23173		1	0	22.53	17.18	0.052
				1	3	22.40	17.05	0.051
				1	5	22.40	17.05	0.051
				3	0	22.40	17.05	0.051
				3	1	22.54	17.19	0.052
				3	3	22.50	17.15	0.052
				6	0	22.45	17.10	0.051

Modulation	Carrier frequen- cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct- ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	24.32	18.97	0.079
				1	8	24.24	18.89	0.077
				1	14	24.23	18.88	0.077
				8	0	23.27	17.92	0.062
				8	4	23.31	17.96	0.063
				8	7	23.32	17.97	0.063
				15	0	23.30	17.95	0.062
	707.5	23095		1	0	24.39	19.04	0.080
				1	8	24.17	18.82	0.076
				1	14	24.15	18.80	0.076
				8	0	23.21	17.86	0.061
				8	4	23.29	17.94	0.062
				8	7	23.28	17.93	0.062
				15	0	23.16	17.81	0.060
	714.5	23165		1	0	24.51	19.16	0.082
				1	8	24.28	18.93	0.078
				1	14	24.43	19.08	0.081
				8	0	23.29	17.94	0.062
				8	4	23.25	17.90	0.062
				8	7	23.25	17.90	0.062
				15	0	23.23	17.88	0.061
16QAM	700.5	23025	1	0	23.54	18.19	0.066	
			1	8	23.64	18.29	0.067	
			1	14	23.60	18.25	0.067	
			8	0	22.51	17.16	0.052	
			8	4	22.58	17.23	0.053	
			8	7	22.59	17.24	0.053	
			15	0	22.45	17.10	0.051	
	707.5	23095	1	0	23.46	18.11	0.065	
			1	8	23.51	18.16	0.065	
			1	14	23.51	18.16	0.065	
			8	0	22.45	17.10	0.051	
			8	4	22.46	17.11	0.051	
			8	7	22.47	17.12	0.052	
			15	0	22.35	17.00	0.050	
	714.5	23165	1	0	22.98	17.63	0.058	
			1	8	22.93	17.58	0.057	
			1	14	22.93	17.58	0.057	
			8	0	22.57	17.22	0.053	
			8	4	22.55	17.20	0.052	
			8	7	22.55	17.20	0.052	
			15	0	22.29	16.94	0.049	

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	700.5	23025	3	1	0	22.45	17.10	0.051
				1	8	22.45	17.10	0.051
				1	14	22.45	17.10	0.051
				8	0	22.46	17.11	0.051
				8	4	22.45	17.10	0.051
				8	7	22.45	17.10	0.051
				15	0	22.45	17.10	0.051
	707.5	23095		1	0	22.30	16.95	0.050
				1	8	22.41	17.06	0.051
				1	14	22.46	17.11	0.051
				8	0	22.47	17.12	0.052
				8	4	22.27	16.92	0.049
				8	7	22.30	16.95	0.050
				15	0	22.42	17.07	0.051
	714.5	23165		1	0	22.30	16.95	0.050
				1	8	22.38	17.03	0.050
				1	14	22.30	16.95	0.050
				8	0	22.30	16.95	0.050
				8	4	22.30	16.95	0.050
				8	7	22.31	16.96	0.050
				15	0	22.30	16.95	0.050

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	24.33	18.98	0.079
				1	12	24.22	18.87	0.077
				1	24	24.21	18.86	0.077
				12	0	23.33	17.98	0.063
				12	7	23.33	17.98	0.063
				12	13	23.33	17.98	0.063
				25	0	23.20	17.85	0.061
	707.5	23095		1	0	24.21	18.86	0.077
				1	12	24.24	18.89	0.077
				1	24	24.23	18.88	0.077
				12	0	23.29	17.94	0.062
				12	7	23.15	17.80	0.060
				12	13	23.15	17.80	0.060
				25	0	23.33	17.98	0.063
	713.5	23155		1	0	24.08	18.73	0.075
				1	12	24.12	18.77	0.075
				1	24	24.15	18.80	0.076
				12	0	23.27	17.92	0.062
				12	7	23.31	17.96	0.063
				12	13	23.31	17.96	0.063
				25	0	23.23	17.88	0.061
16QAM	701.5	23035	1	0	22.51	17.16	0.052	
			1	12	22.49	17.14	0.052	
			1	24	22.49	17.14	0.052	
			12	0	22.29	16.94	0.049	
			12	7	22.34	16.99	0.050	
			12	13	22.34	16.99	0.050	
			25	0	22.51	17.16	0.052	
	707.5	23095	1	0	22.92	17.57	0.057	
			1	12	23.31	17.96	0.063	
			1	24	23.31	17.96	0.063	
			12	0	22.31	16.96	0.050	
			12	7	22.38	17.03	0.050	
			12	13	22.38	17.03	0.050	
			25	0	22.37	17.02	0.050	
	713.5	23155	1	0	22.88	17.53	0.057	
			1	12	22.96	17.61	0.058	
			1	24	22.96	17.61	0.058	
			12	0	22.26	16.91	0.049	
			12	7	22.30	16.95	0.050	
			12	13	22.30	16.95	0.050	
			25	0	22.26	16.91	0.049	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	701.5	23035	5	1	0	22.52	17.17	0.052
				1	12	22.52	17.17	0.052
				1	24	22.52	17.17	0.052
				12	0	22.52	17.17	0.052
				12	7	22.52	17.17	0.052
				12	13	22.52	17.17	0.052
				25	0	22.52	17.17	0.052
	707.5	23095		1	0	22.37	17.02	0.050
				1	12	22.37	17.02	0.050
				1	24	22.37	17.02	0.050
				12	0	22.37	17.02	0.050
				12	7	22.37	17.02	0.050
				12	13	22.37	17.02	0.050
				25	0	22.37	17.02	0.050
	713.5	23155		1	0	22.27	16.92	0.049
				1	12	22.27	16.92	0.049
				1	24	22.55	17.20	0.052
				12	0	22.54	17.19	0.052
				12	7	22.54	17.19	0.052
				12	13	22.54	17.19	0.052
				25	0	22.54	17.19	0.052

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	24.26	18.91	0.078
				1	25	24.04	18.69	0.074
				1	49	24.18	18.83	0.076
				25	0	23.24	17.89	0.062
				25	12	23.25	17.90	0.062
				25	25	23.25	17.90	0.062
				50	0	23.28	17.93	0.062
	707.5	23095		1	0	24.27	18.92	0.078
				1	25	24.19	18.84	0.077
				1	49	24.25	18.90	0.078
				25	0	23.18	17.83	0.061
				25	12	23.26	17.91	0.062
				25	25	23.26	17.91	0.062
				50	0	23.28	17.93	0.062
	711	23130		1	0	24.19	18.84	0.077
				1	25	24.32	18.97	0.079
				1	49	24.32	18.97	0.079
				25	0	23.18	17.83	0.061
				25	12	23.31	17.96	0.063
				25	25	23.32	17.97	0.063
				50	0	23.13	17.78	0.060
16QAM	704	23060	1	0	23.75	18.40	0.069	
			1	25	23.65	18.30	0.068	
			1	49	23.49	18.14	0.065	
			25	0	22.40	17.05	0.051	
			25	12	22.29	16.94	0.049	
			25	25	22.42	17.07	0.051	
			50	0	22.47	17.12	0.052	
	707.5	23095	1	0	23.48	18.13	0.065	
			1	25	23.49	18.14	0.065	
			1	49	23.50	18.15	0.065	
			25	0	22.41	17.06	0.051	
			25	12	22.39	17.04	0.051	
			25	25	22.55	17.20	0.052	
			50	0	22.48	17.13	0.052	
	711	23130	1	0	22.90	17.55	0.057	
			1	25	22.83	17.48	0.056	
			1	49	22.83	17.48	0.056	
			25	0	22.51	17.16	0.052	
			25	12	22.49	17.14	0.052	
			25	25	22.50	17.15	0.052	
			50	0	22.41	17.06	0.051	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	704	23060	10	1	0	22.48	17.13	0.052
				1	25	22.48	17.13	0.052
				1	49	22.48	17.13	0.052
				25	0	22.32	16.97	0.050
				25	12	22.32	16.97	0.050
				25	25	22.32	16.97	0.050
				50	0	22.32	16.97	0.050
	707.5	23095		1	0	22.48	17.13	0.052
				1	25	22.47	17.12	0.052
				1	49	22.47	17.12	0.052
				25	0	22.47	17.12	0.052
				25	12	22.47	17.12	0.052
				25	25	22.48	17.13	0.052
				50	0	22.47	17.12	0.052
	711	23130		1	0	22.41	17.06	0.051
				1	25	22.41	17.06	0.051
				1	49	22.42	17.07	0.051
				25	0	22.42	17.07	0.051
				25	12	22.43	17.08	0.051
				25	25	22.43	17.08	0.051
				50	0	22.42	17.07	0.051