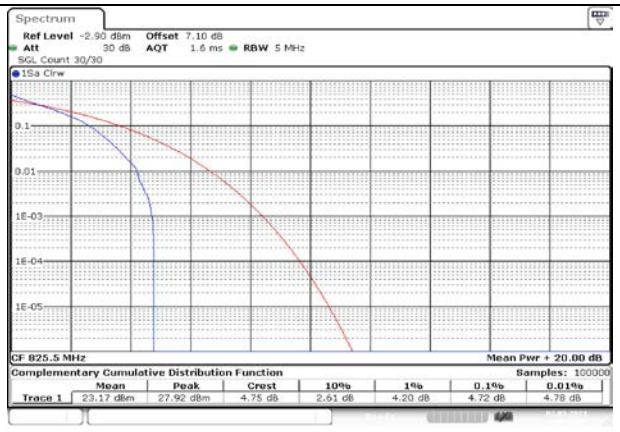

Fig.19

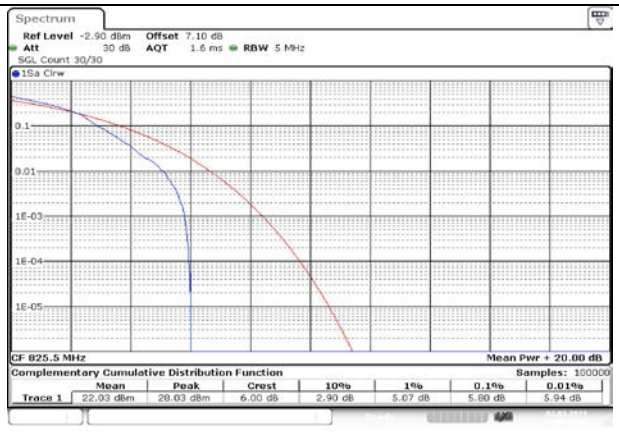

Fig.20

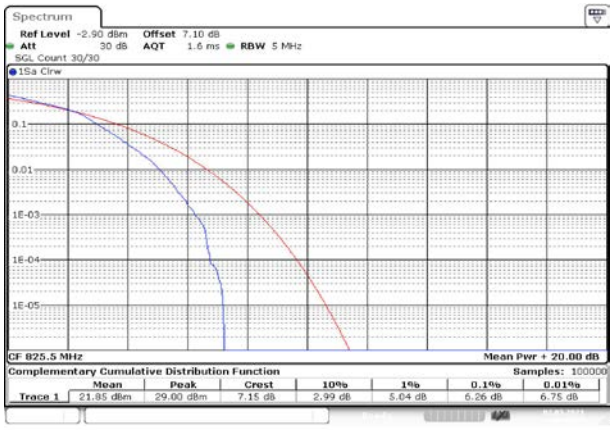

Fig.21

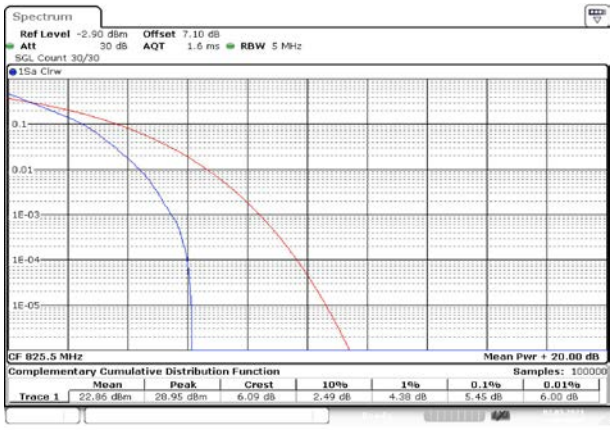

Fig.22

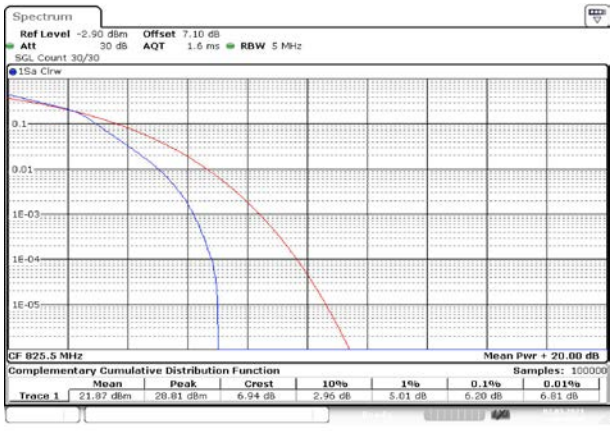

Fig.23

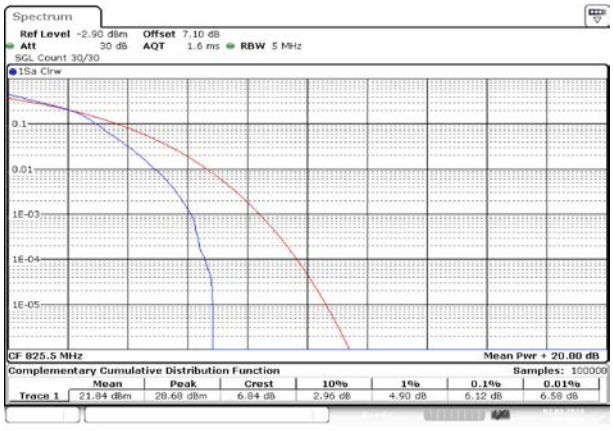

Fig.24

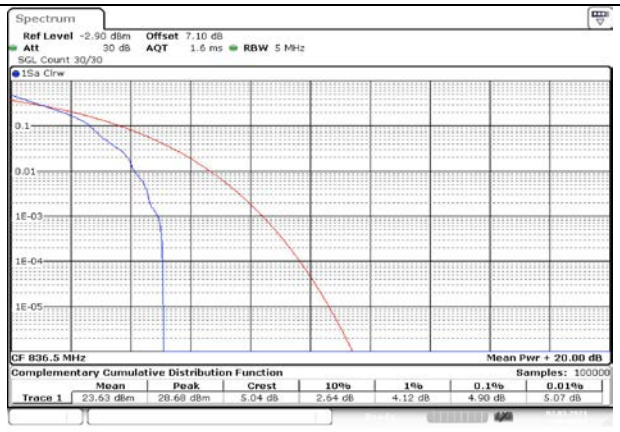

Fig.25

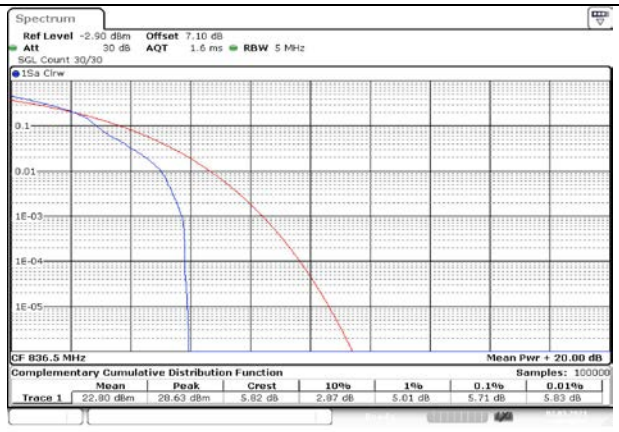

Fig.26

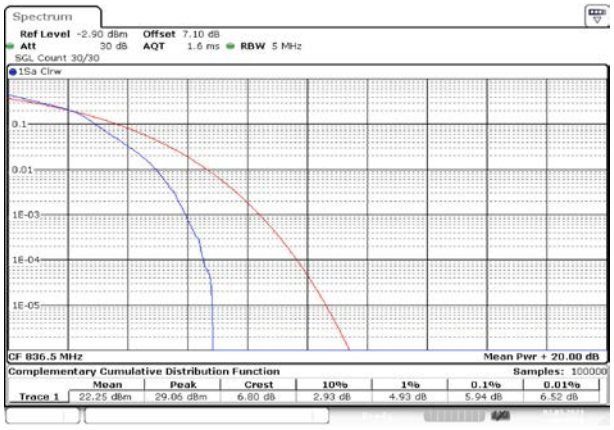

Fig.27

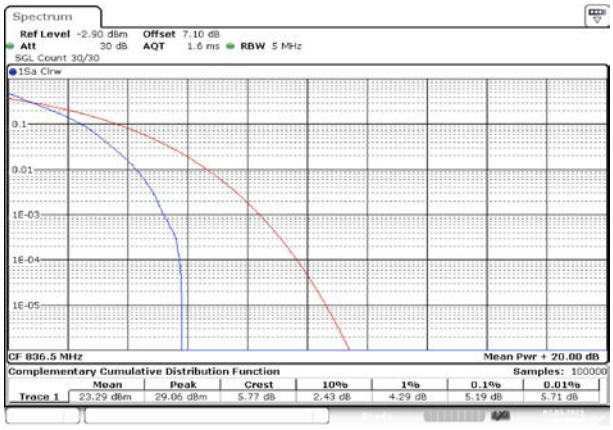

Fig.28

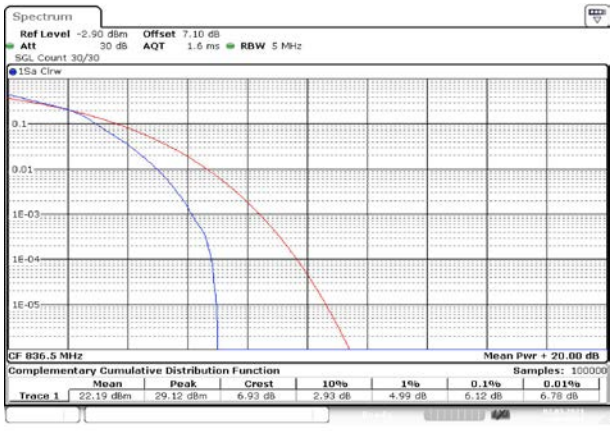

Fig.29

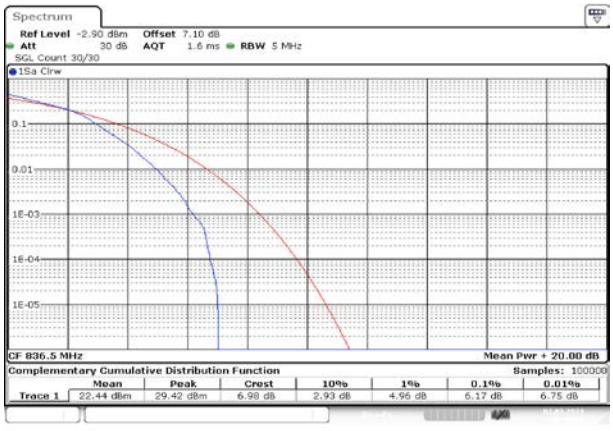

Fig.30

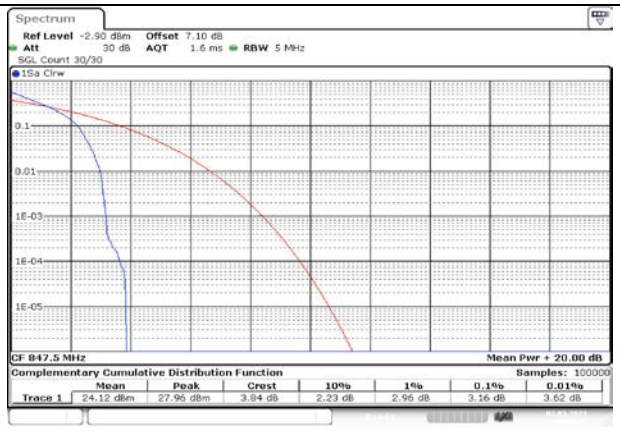

Fig.31

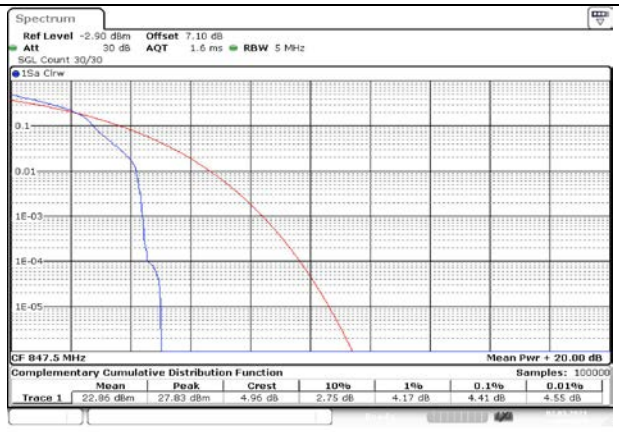

Fig.32

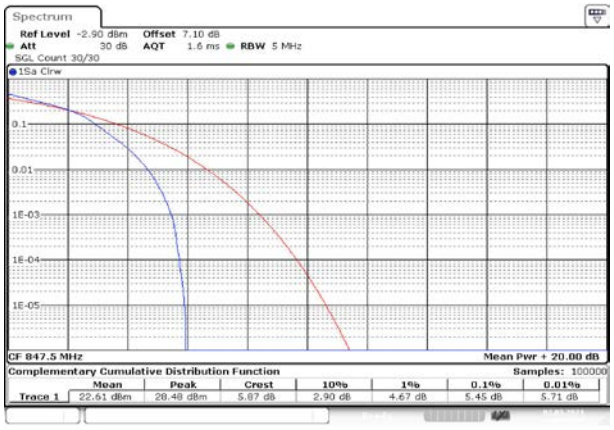

Fig.33

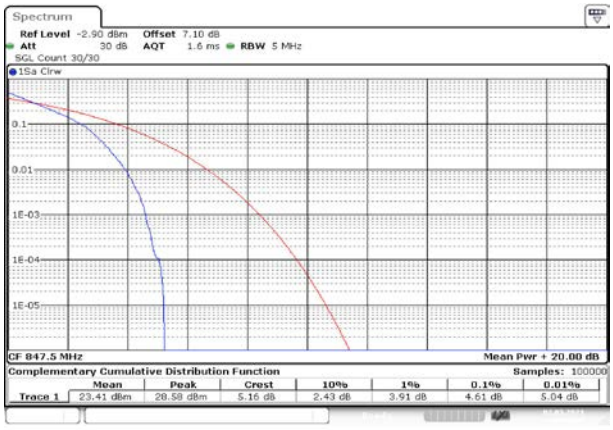

Fig.34

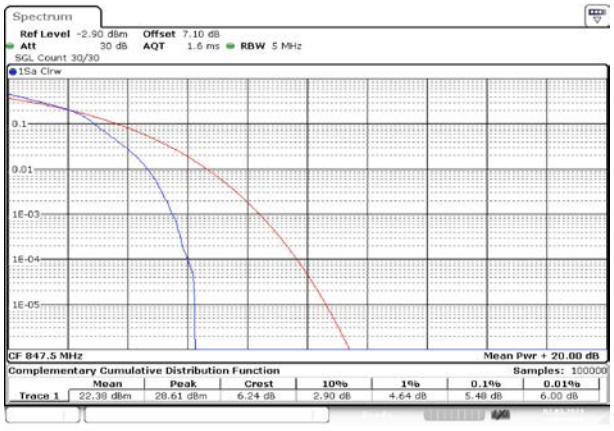

Fig.35

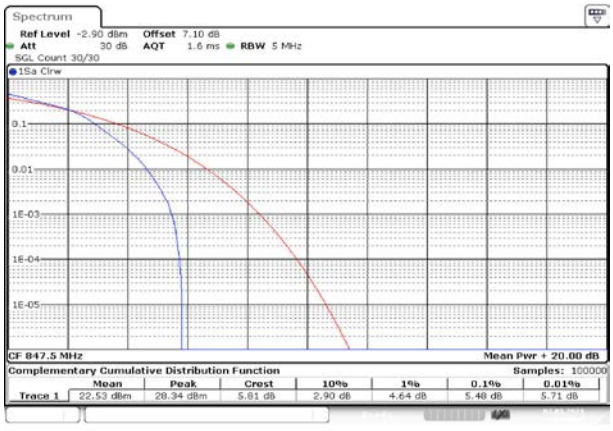

Fig.36

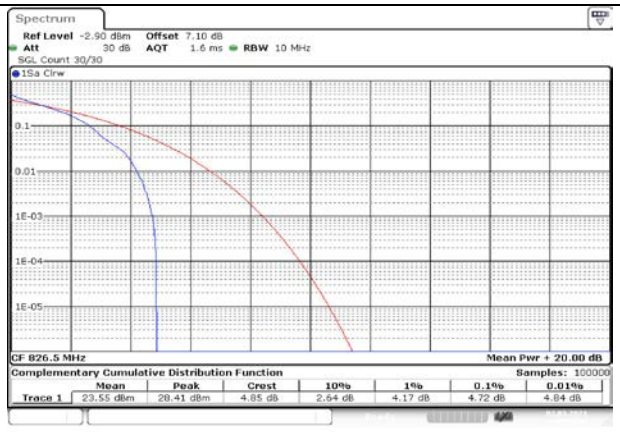

Fig.37

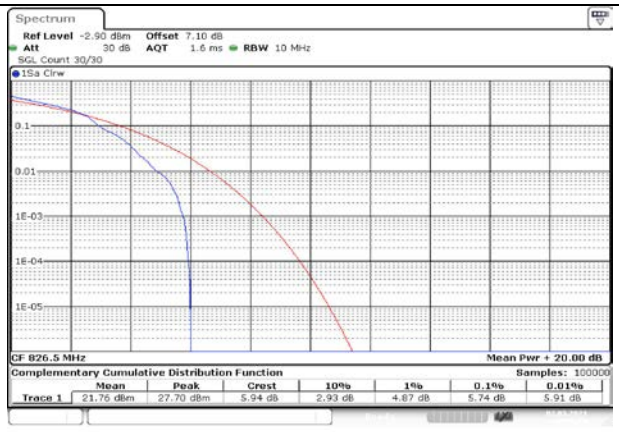

Fig.38

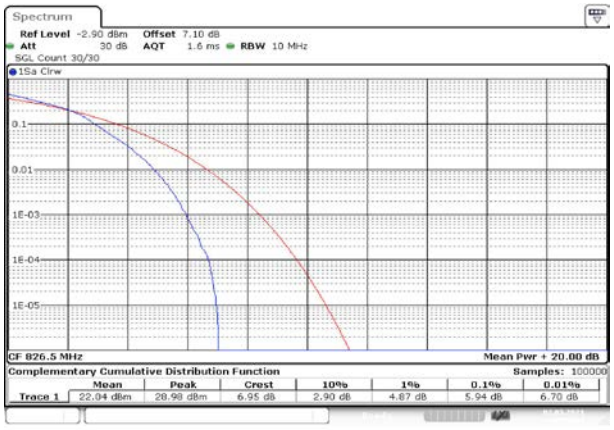

Fig.39

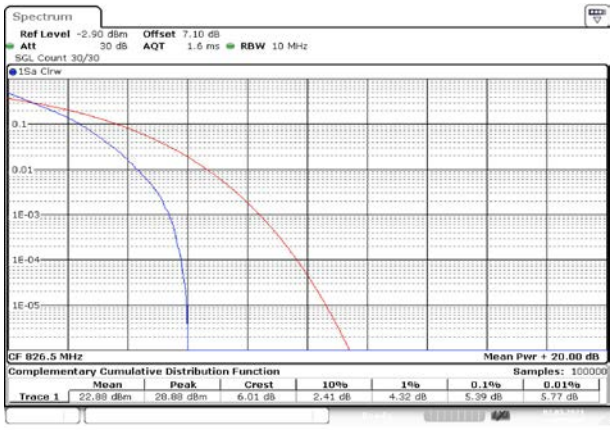

Fig.40

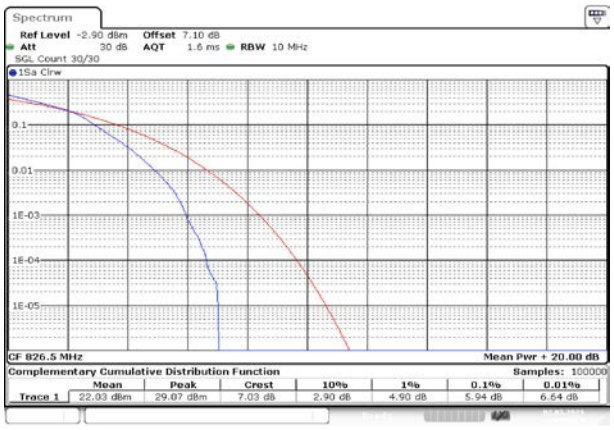

Fig.41

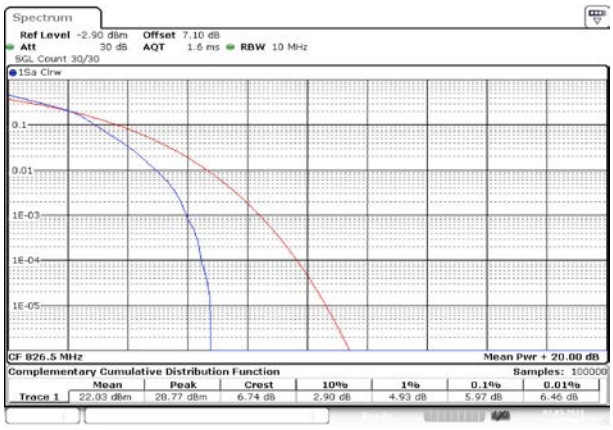

Fig.42

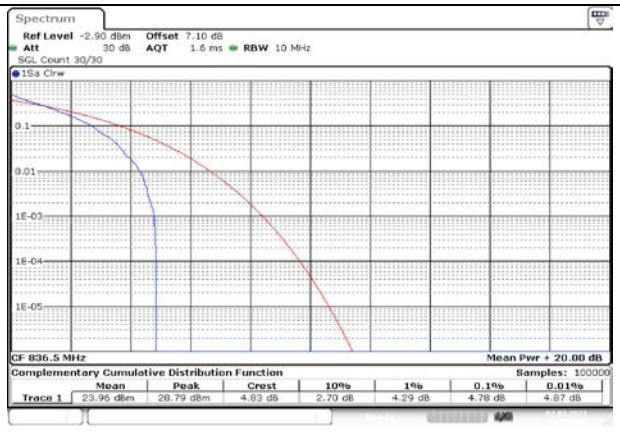

Fig.43

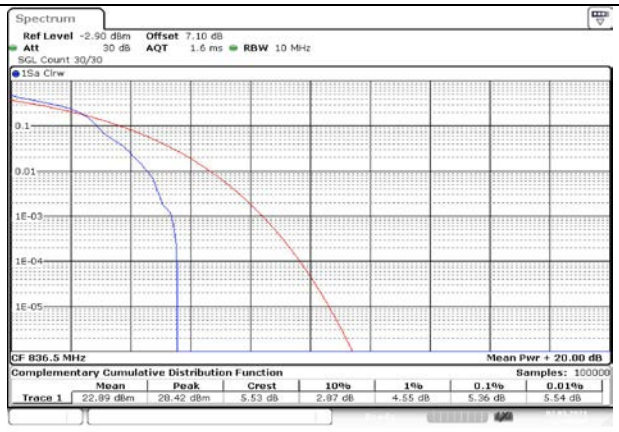

Fig.44

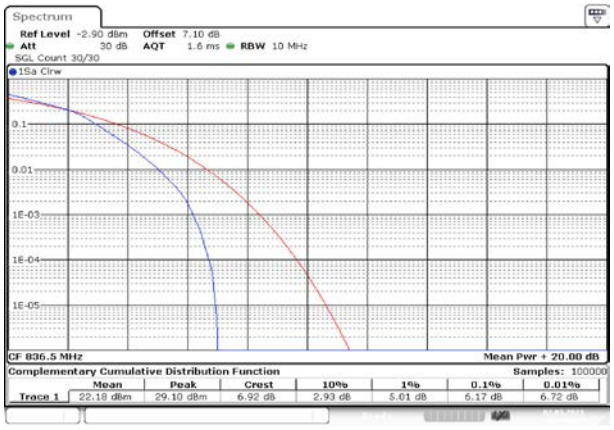

Fig.45

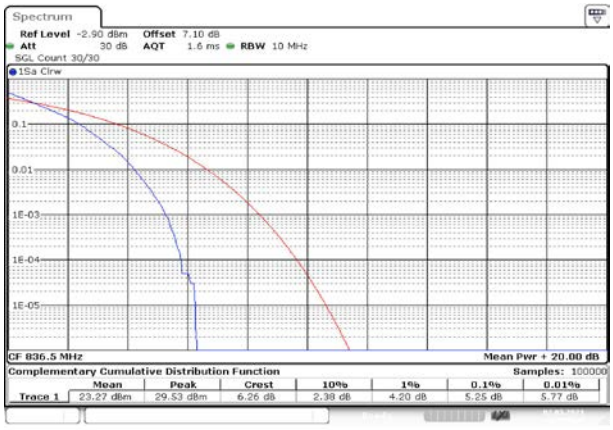

Fig.46

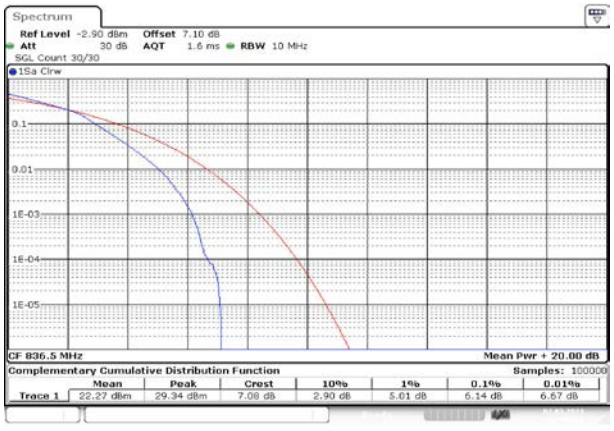

Fig.47

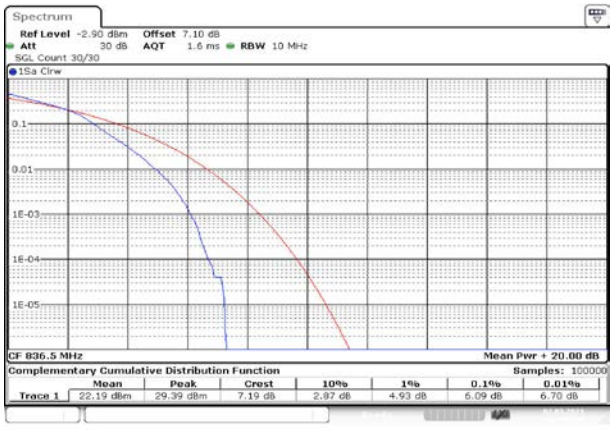

Fig.48

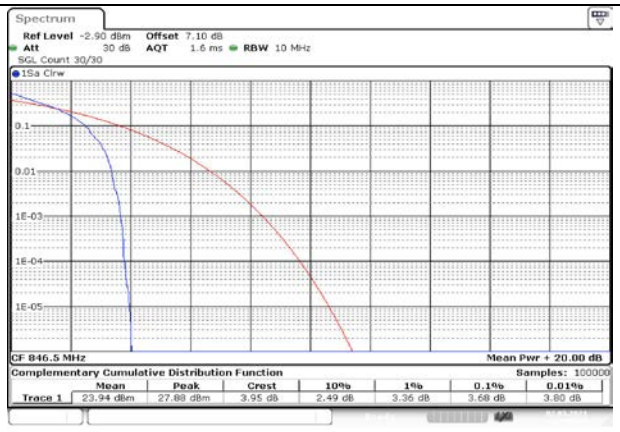

Fig.49

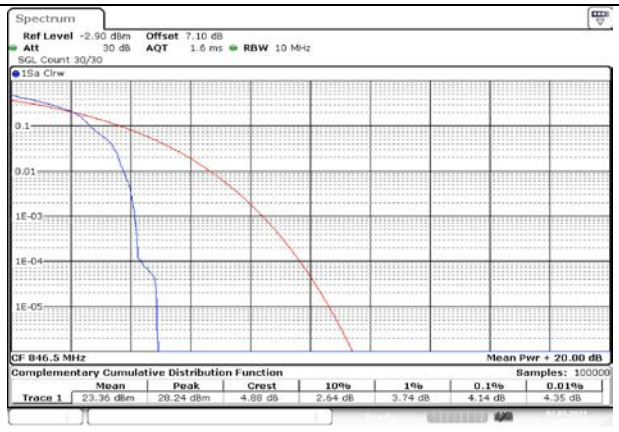

Fig.50

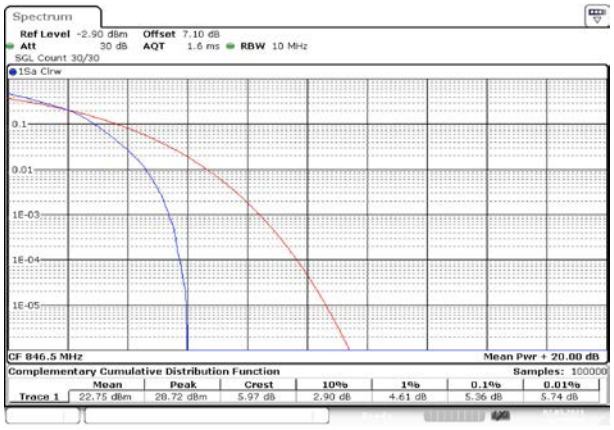

Fig.51

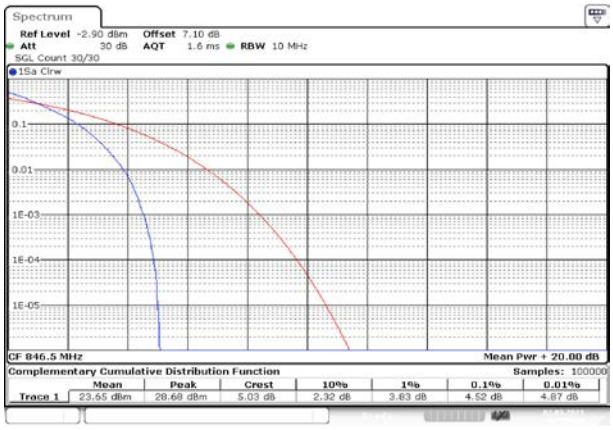

Fig.52

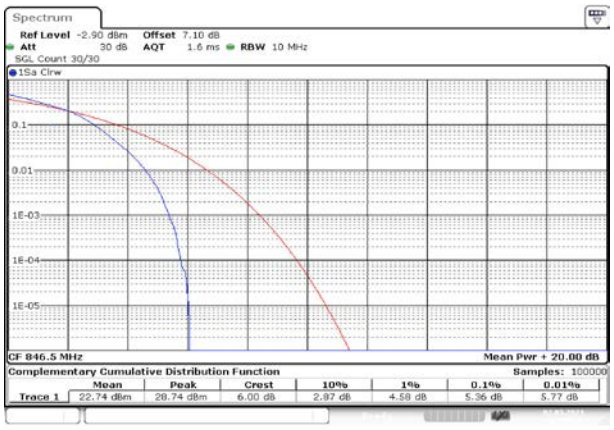

Fig.53

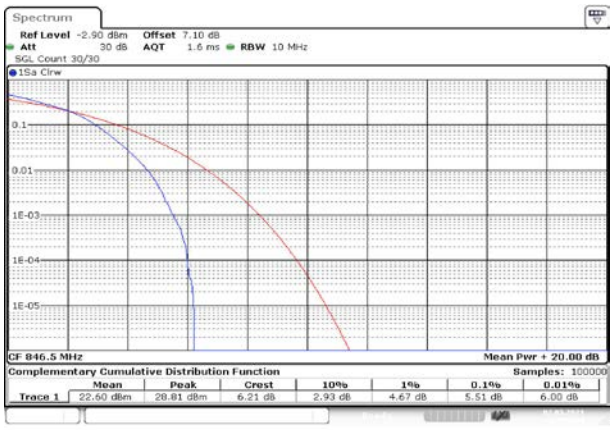

Fig.54

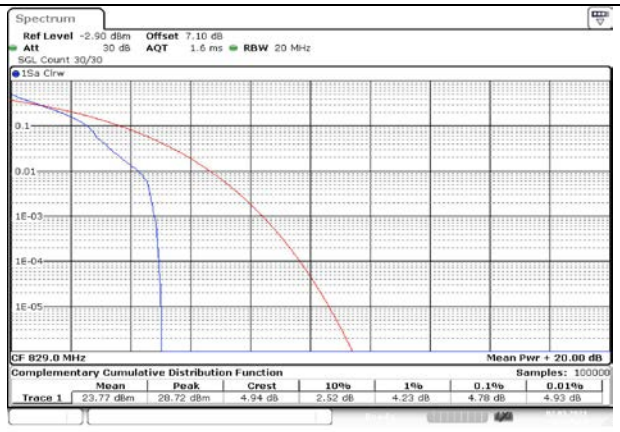

Fig.55

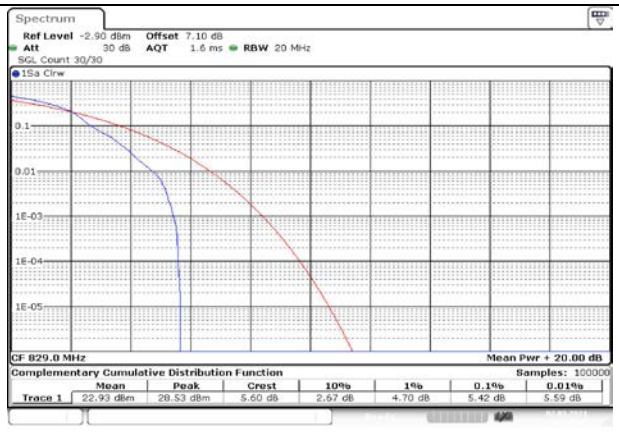

Fig.56

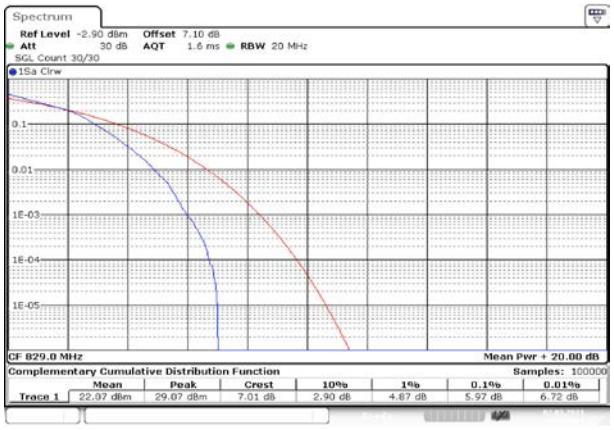

Fig.57

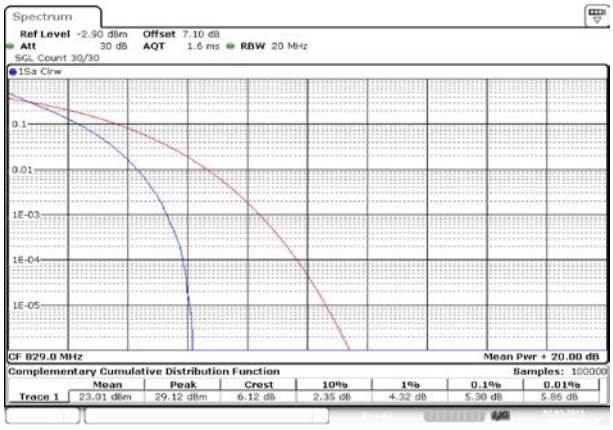

Fig.58

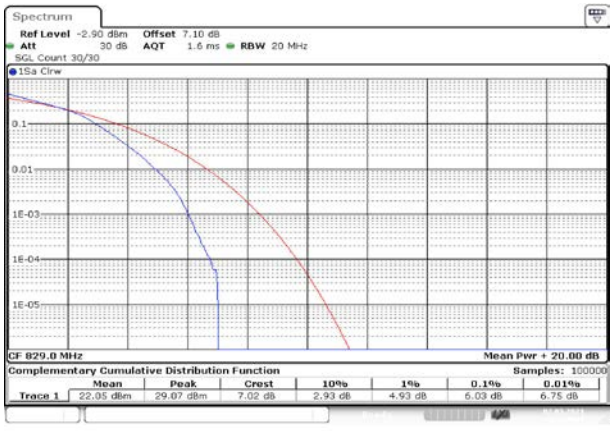

Fig.59

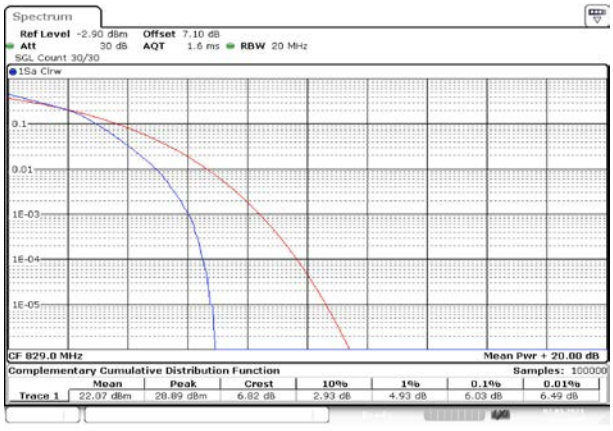

Fig.60

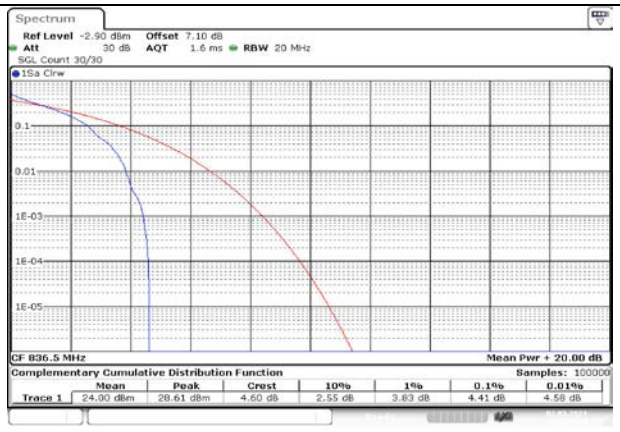

Fig.61

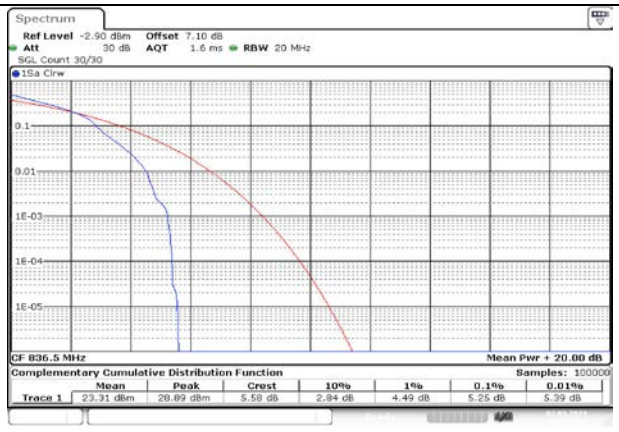

Fig.62

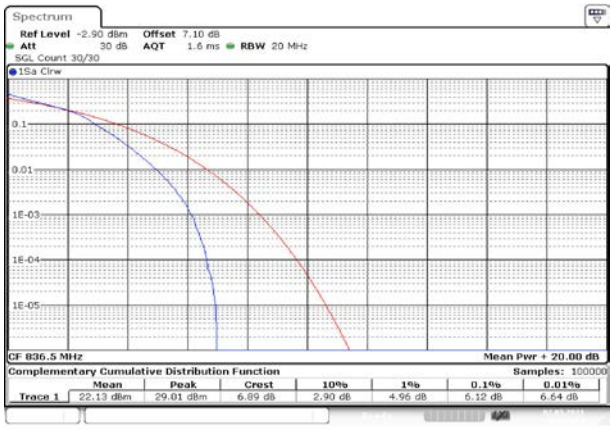

Fig.63

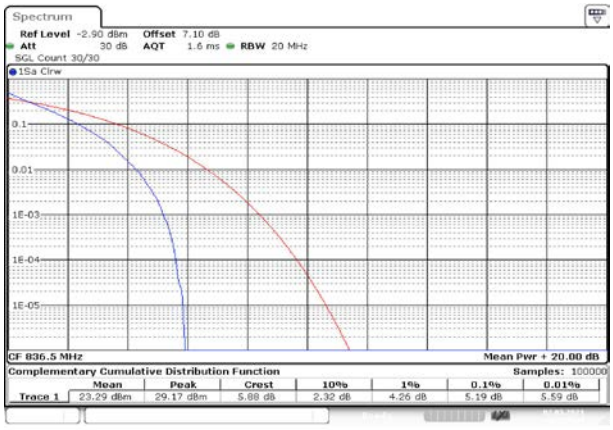

Fig.64

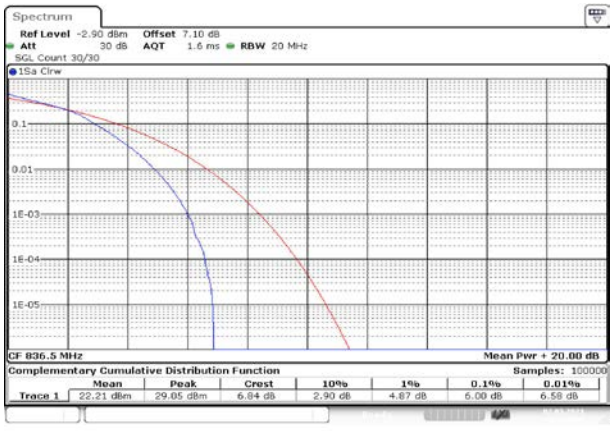

Fig.65

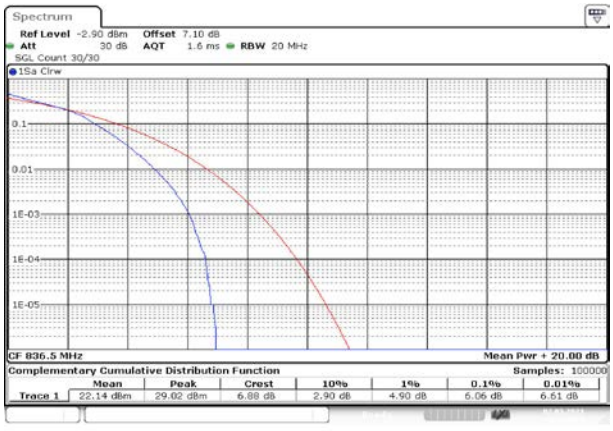

Fig.66

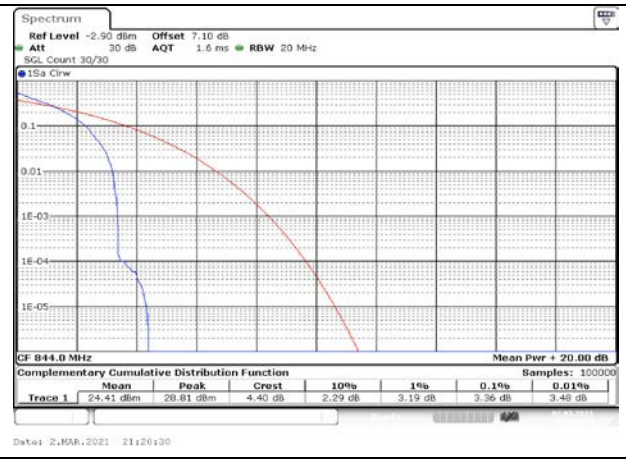

Fig.67

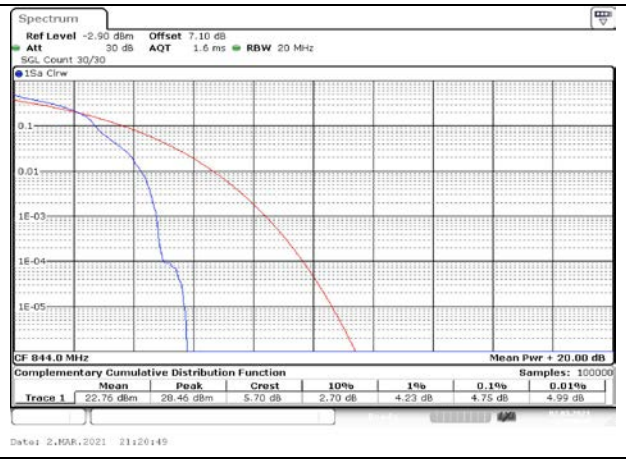

Fig.68

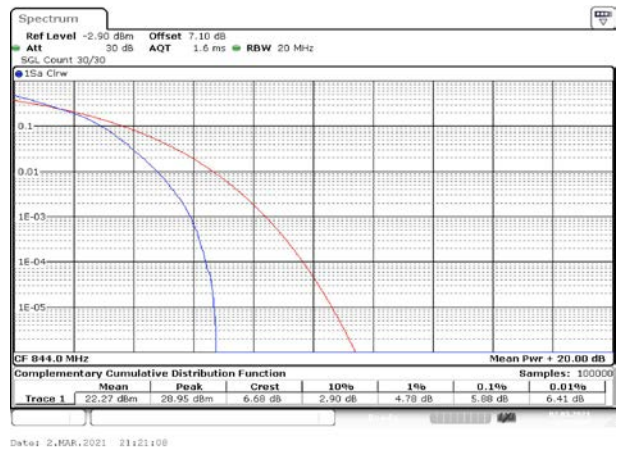

Fig.69

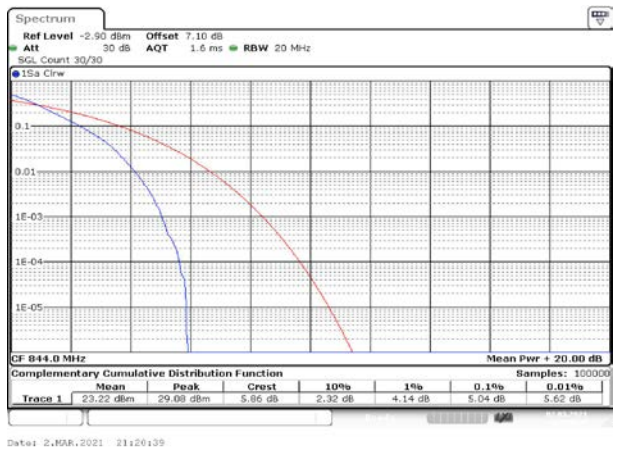

Fig.70

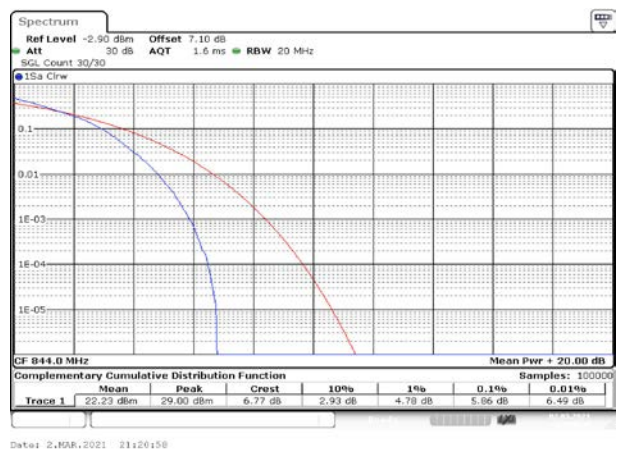

Fig.71

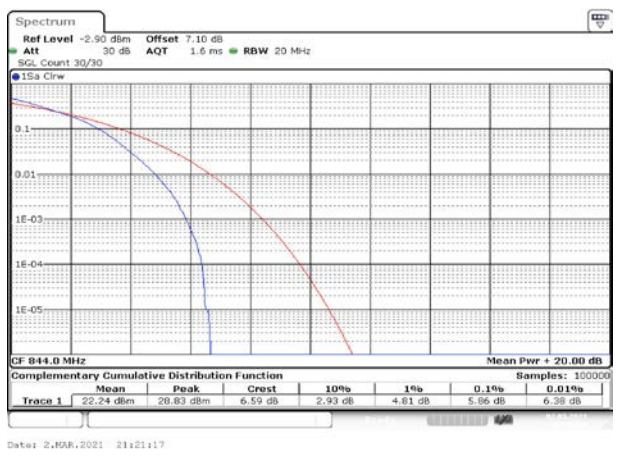

Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
	836.5	20525		1	0	Fig.2
	844	20600		1	0	Fig.3

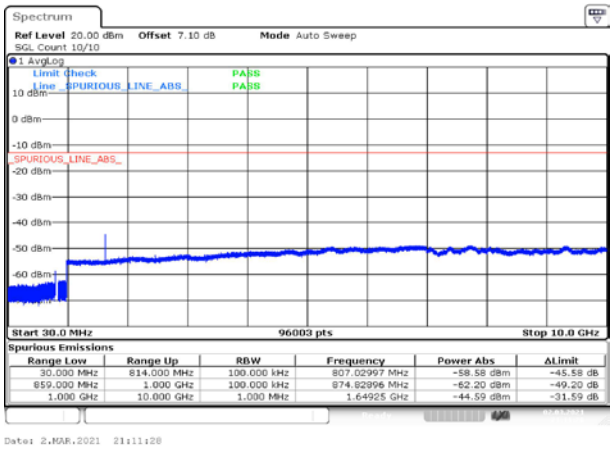

Fig.1

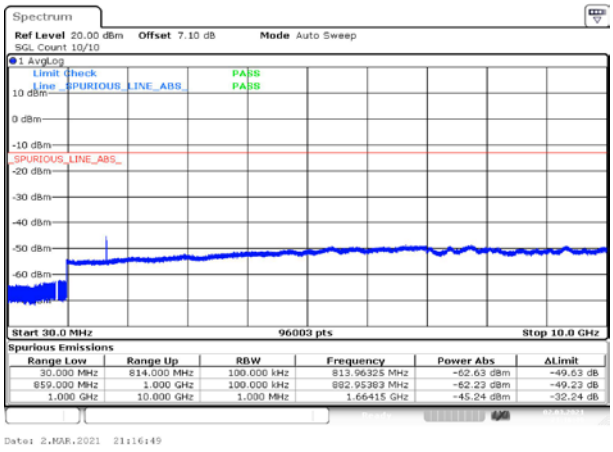

Fig.2

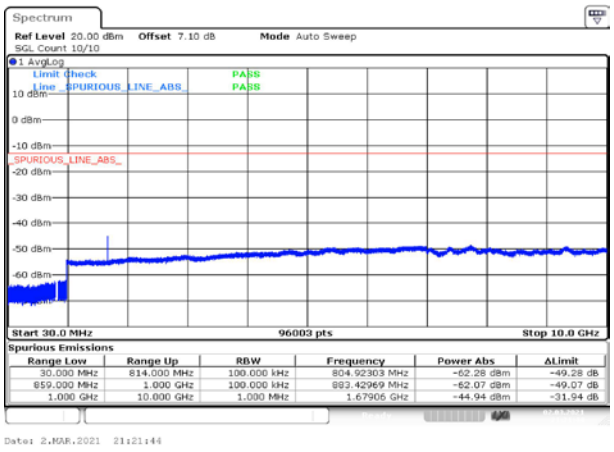

Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
5	824.7	20407	1.4	1	0	Fig.1
				6	0	Fig.2
	848.3	20643		1	5	Fig.3
				6	0	Fig.4
	825.5	20415	3	1	0	Fig.5
				15	0	Fig.6
	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

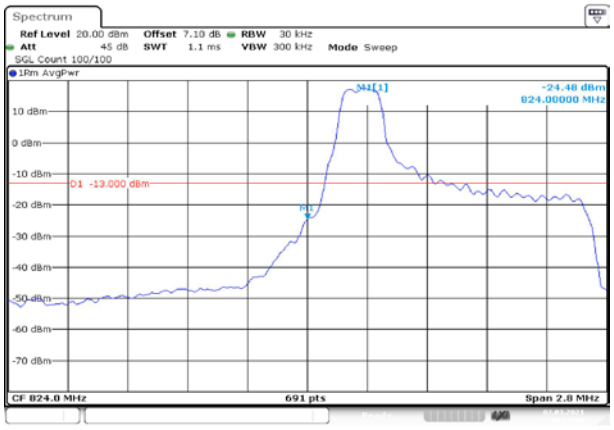

Fig.1

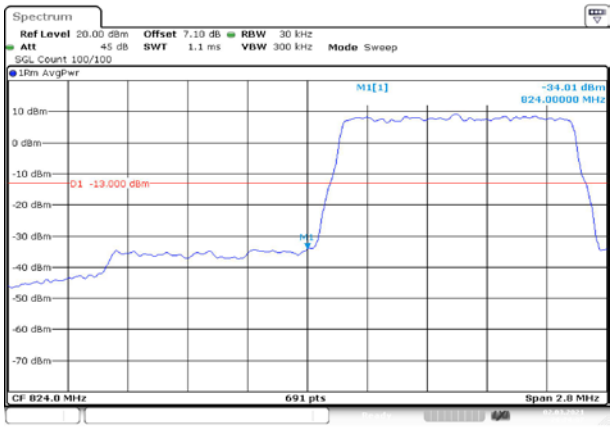

Fig.2

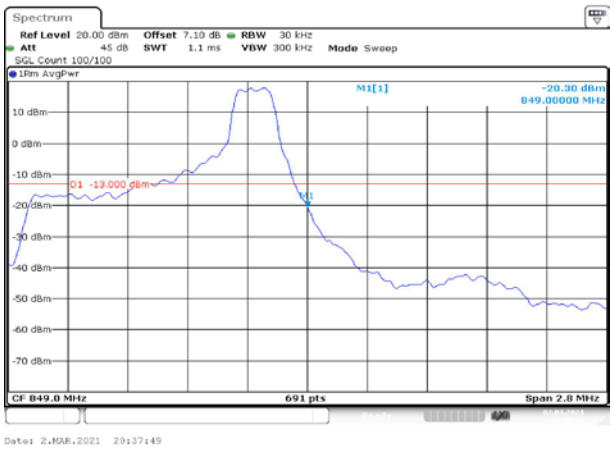

Fig.3

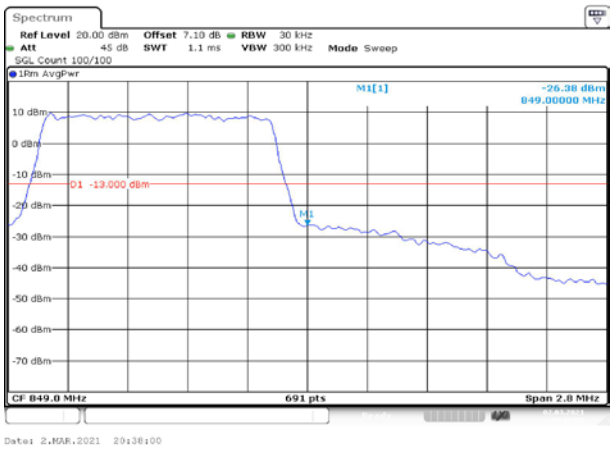

Fig.4

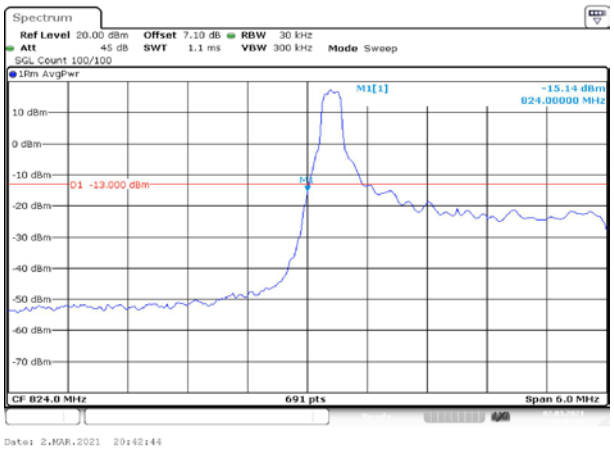

Fig.5

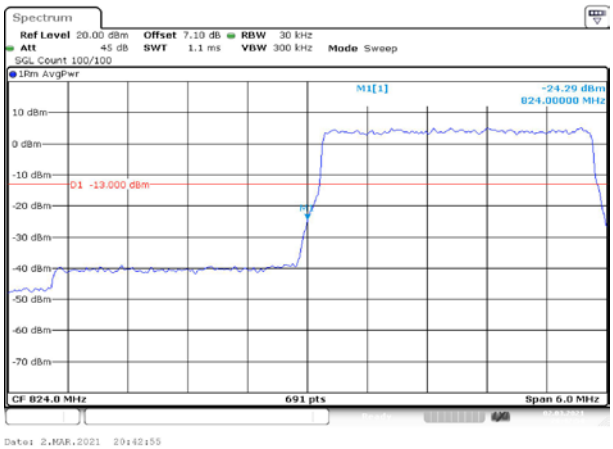

Fig.6

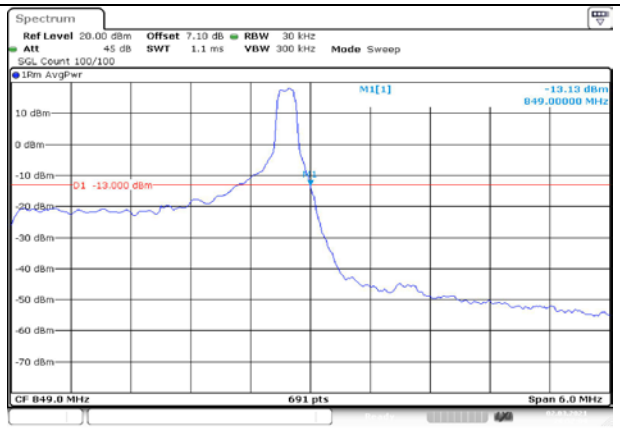

Fig.7

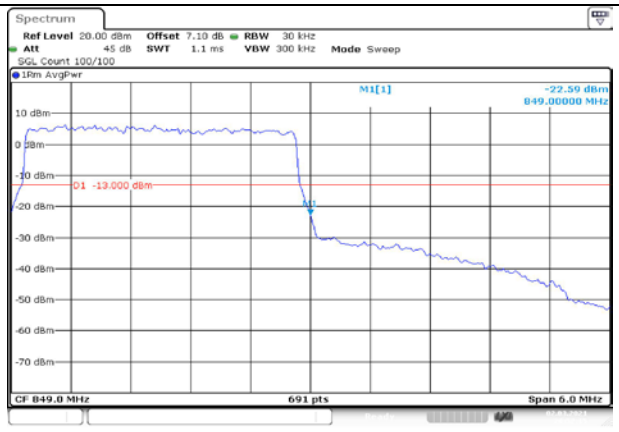

Fig.8

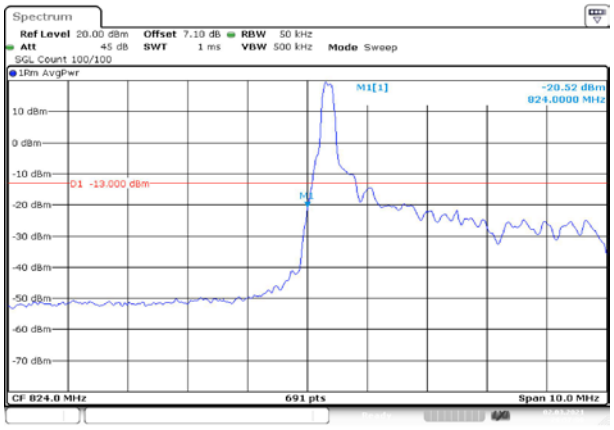

Fig.9

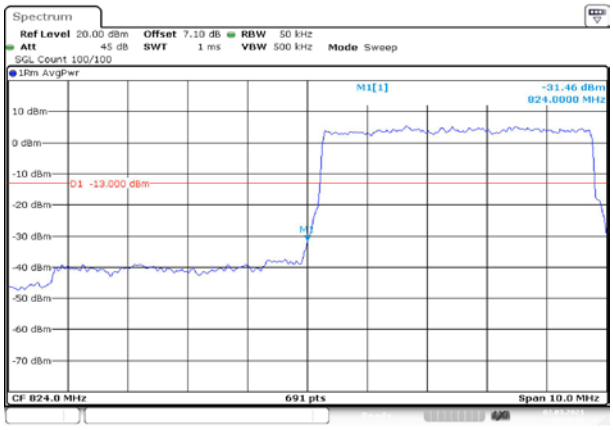

Fig.10

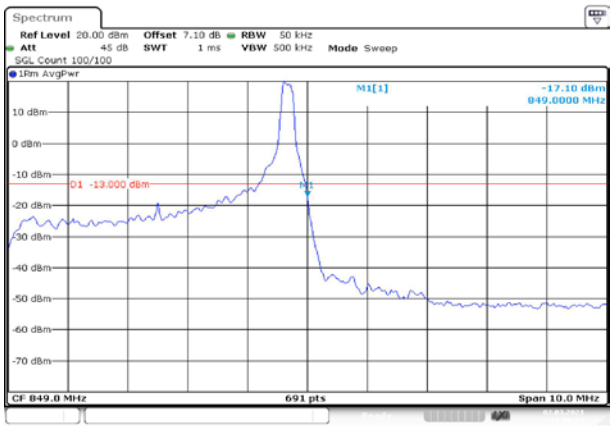

Fig.11

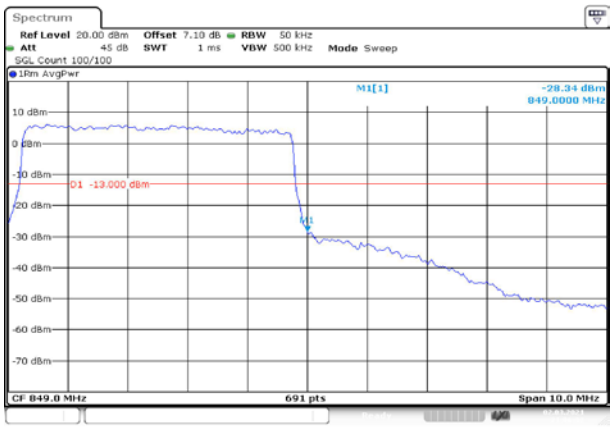

Fig.12

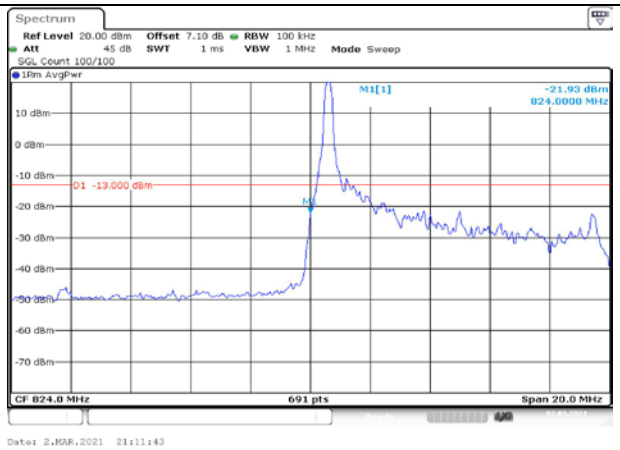

Fig.13

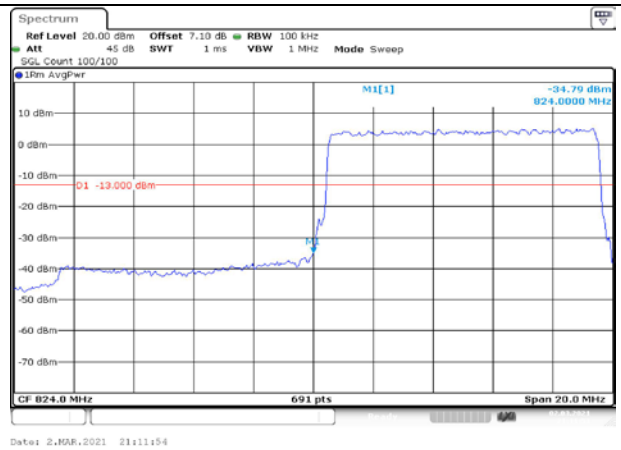

Fig.14

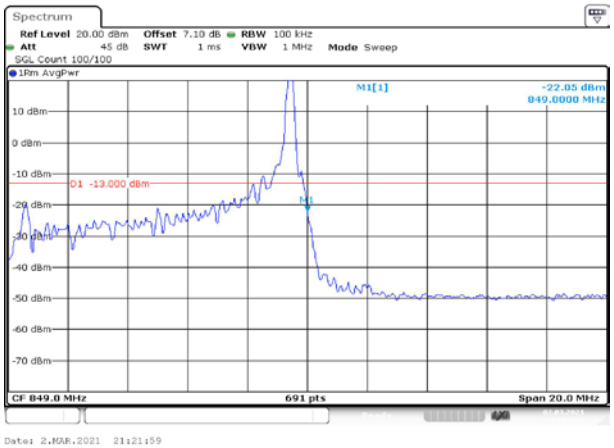

Fig.15

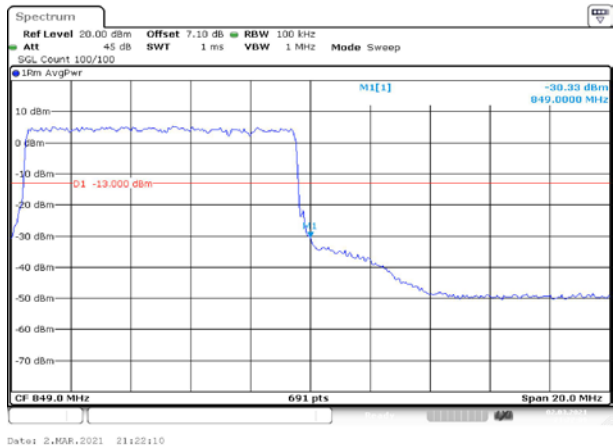

Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	0.005	0.031	0.019	0.016	---	---
0	NV	0.008	0.034	0.011	0.017	---	---
+10	NV	0.011	0.027	0.001	0.013	---	---
+20	NV	0.007	0.033	0.018	0.019	---	---
+30	NV	0.005	0.029	0.005	0.019	---	---
+40	NV	0.010	0.039	0.019	0.013	---	---
+50	NV	0.015	0.037	0.014	0.023	---	---
+20	LV	0.003	0.035	0.025	0.011	---	---
+20	HV	0.011	0.028	0.012	0.016	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.028	-0.048	-0.018	-0.007	---	---
0	NV	0.005	-0.042	-0.015	-0.028	---	---
+10	NV	0.000	-0.048	-0.020	-0.013	---	---
+20	NV	0.002	-0.046	-0.021	-0.019	---	---
+30	NV	-0.006	-0.051	-0.030	-0.017	---	---
+40	NV	-0.010	-0.054	-0.026	-0.015	---	---
+50	NV	-0.020	-0.044	-0.025	-0.012	---	---
+20	LV	0.001	-0.042	-0.014	-0.020	---	---
+20	HV	-0.028	-0.044	-0.025	-0.012	---	---

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	824.7	20407	1.4	1	0	24.30	19.85	0.097
				1	3	24.30	19.85	0.097
				1	5	24.26	19.81	0.096
				3	0	24.20	19.75	0.094
				3	1	24.10	19.65	0.092
				3	3	24.08	19.63	0.092
				6	0	23.00	18.55	0.072
16QAM				1	0	22.66	18.21	0.066
				1	3	22.78	18.33	0.068
				1	5	22.78	18.33	0.068
				3	0	23.09	18.64	0.073
				3	1	22.84	18.39	0.069
				3	3	22.84	18.39	0.069
				6	0	22.25	17.80	0.060
	836.5	20525		1	0	24.06	19.61	0.091
				1	3	24.14	19.69	0.093
				1	5	24.10	19.65	0.092
				3	0	23.35	18.90	0.078
				3	1	23.42	18.97	0.079
				3	3	23.33	18.88	0.077
				6	0	22.48	18.03	0.064
	848.3	20643		1	0	24.18	19.73	0.094
				1	3	24.23	19.78	0.095
				1	5	24.29	19.84	0.096
				3	0	23.52	19.07	0.081
				3	1	23.63	19.18	0.083
				3	3	23.62	19.17	0.083
				6	0	22.91	18.46	0.070

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	824.7	20407	1.4	1	0	22.10	17.65	0.058
				1	3	22.10	17.65	0.058
				1	5	22.10	17.65	0.058
				3	0	22.23	17.78	0.060
				3	1	22.23	17.78	0.060
				3	3	22.08	17.63	0.058
				6	0	22.08	17.63	0.058
	836.5	20525		1	0	22.48	18.03	0.064
				1	3	22.47	18.02	0.063
				1	5	22.47	18.02	0.063
				3	0	22.46	18.01	0.063
				3	1	22.45	18.00	0.063
				3	3	22.58	18.13	0.065
				6	0	22.57	18.12	0.065
	848.3	20643		1	0	22.96	18.51	0.071
				1	3	22.90	18.45	0.070
				1	5	22.84	18.39	0.069
				3	0	22.93	18.48	0.070
				3	1	22.71	18.26	0.067
				3	3	22.71	18.26	0.067
				6	0	22.71	18.26	0.067

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	23.97	19.52	0.090
				1	8	23.99	19.54	0.090
				1	14	24.03	19.58	0.091
				8	0	23.11	18.66	0.073
				8	4	23.22	18.77	0.075
				8	7	23.21	18.76	0.075
				15	0	23.18	18.73	0.075
	836.5	20525		1	0	24.38	19.93	0.098
				1	8	24.48	20.03	0.101
				1	14	24.47	20.02	0.100
				8	0	23.46	19.01	0.080
				8	4	23.49	19.04	0.080
				8	7	23.50	19.05	0.080
				15	0	23.55	19.10	0.081
	847.5	20635		1	0	24.88	20.43	0.110
				1	8	24.92	20.47	0.111
				1	14	25.01	20.56	0.114
				8	0	23.69	19.24	0.084
				8	4	23.77	19.32	0.086
				8	7	23.77	19.32	0.086
				15	0	23.83	19.38	0.087
16QAM	825.5	20415		1	0	23.53	19.08	0.081
				1	8	23.49	19.04	0.080
				1	14	23.48	19.03	0.080
				8	0	22.43	17.98	0.063
				8	4	22.40	17.95	0.062
				8	7	22.50	18.05	0.064
				15	0	22.11	17.66	0.058
	836.5	20525		1	0	24.13	19.68	0.093
				1	8	24.30	19.85	0.097
				1	14	24.29	19.84	0.096
				8	0	22.49	18.04	0.064
				8	4	22.54	18.09	0.064
				8	7	22.54	18.09	0.064
				15	0	22.50	18.05	0.064
	847.5	20635		1	0	23.48	19.03	0.080
				1	8	23.39	18.94	0.078
				1	14	23.39	18.94	0.078
				8	0	22.89	18.44	0.070
				8	4	22.75	18.30	0.068
				8	7	22.82	18.37	0.069
				15	0	22.83	18.38	0.069

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	825.5	20415	3	1	0	22.11	17.66	0.058
				1	8	22.16	17.71	0.059
				1	14	22.11	17.66	0.058
				8	0	22.10	17.65	0.058
				8	4	22.10	17.65	0.058
				8	7	22.10	17.65	0.058
				15	0	22.10	17.65	0.058
	836.5	20525		1	0	22.54	18.09	0.064
				1	8	22.42	17.97	0.063
				1	14	22.50	18.05	0.064
				8	0	22.42	17.97	0.063
				8	4	22.45	18.00	0.063
				8	7	22.51	18.06	0.064
				15	0	22.51	18.06	0.064
	847.5	20635		1	0	22.83	18.38	0.069
				1	8	22.79	18.34	0.068
				1	14	22.74	18.29	0.067
				8	0	22.84	18.39	0.069
				8	4	22.79	18.34	0.068
				8	7	22.74	18.29	0.067
				15	0	22.75	18.30	0.068

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	836.5	20525	5	1	0	24.45	20.00	0.100
				1	12	24.60	20.15	0.104
				1	24	24.59	20.14	0.103
				12	0	23.37	18.92	0.078
				12	7	23.31	18.86	0.077
				12	13	23.54	19.09	0.081
				25	0	23.57	19.12	0.082
	846.5	20625		1	0	24.60	20.15	0.104
				1	12	24.57	20.12	0.103
				1	24	24.67	20.22	0.105
				12	0	23.62	19.17	0.083
				12	7	23.68	19.23	0.084
				12	13	23.70	19.25	0.084
				25	0	23.81	19.36	0.086
16QAM	826.5	20425		1	0	22.52	18.07	0.064
				1	12	22.39	17.94	0.062
				1	24	22.44	17.99	0.063
				12	0	22.20	17.75	0.060
				12	7	22.18	17.73	0.059
				12	13	22.18	17.73	0.059
				25	0	22.32	17.87	0.061
	836.5	20525		1	0	23.66	19.21	0.083
				1	12	23.64	19.19	0.083
				1	24	23.64	19.19	0.083
				12	0	22.56	18.11	0.065
				12	7	22.41	17.96	0.063
				12	13	22.41	17.96	0.063
				25	0	22.48	18.03	0.064
	846.5	20625		1	0	23.65	19.20	0.083
				1	12	23.82	19.37	0.086
				1	24	23.79	19.34	0.086
				12	0	22.83	18.38	0.069
				12	7	22.61	18.16	0.065
				12	13	22.72	18.27	0.067
				25	0	22.75	18.30	0.068

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	826.5	20425	5	1	0	22.31	17.86	0.061
				1	12	22.31	17.86	0.061
				1	24	22.34	17.89	0.062
				12	0	22.37	17.92	0.062
				12	7	22.33	17.88	0.061
				12	13	22.29	17.84	0.061
				25	0	22.33	17.88	0.061
	836.5	20525		1	0	22.48	18.03	0.064
				1	12	22.49	18.04	0.064
				1	24	22.48	18.03	0.064
				12	0	22.49	18.04	0.064
				12	7	22.48	18.03	0.064
				12	13	22.49	18.04	0.064
				25	0	22.49	18.04	0.064
	846.5	20625		1	0	22.77	18.32	0.068
				1	12	22.77	18.32	0.068
				1	24	22.67	18.22	0.066
				12	0	22.68	18.23	0.067
				12	7	22.68	18.23	0.067
				12	13	22.68	18.23	0.067
				25	0	22.68	18.23	0.067

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	24.07	19.62	0.092
				1	25	24.28	19.83	0.096
				1	49	24.33	19.88	0.097
				25	0	23.12	18.67	0.074
				25	12	23.31	18.86	0.077
				25	25	23.32	18.87	0.077
				50	0	23.18	18.73	0.075
	836.5	20525		1	0	24.37	19.92	0.098
				1	25	24.55	20.10	0.102
				1	49	24.54	20.09	0.102
				25	0	23.51	19.06	0.081
				25	12	23.57	19.12	0.082
				25	25	23.56	19.11	0.081
				50	0	23.59	19.14	0.082
	844	20600		1	0	24.42	19.97	0.099
				1	25	24.68	20.23	0.105
				1	49	24.66	20.21	0.105
				25	0	23.43	18.98	0.079
				25	12	23.72	19.27	0.085
				25	25	23.72	19.27	0.085
				50	0	23.58	19.13	0.082
16QAM	829	20450		1	0	23.62	19.17	0.083
				1	25	23.79	19.34	0.086
				1	49	23.80	19.35	0.086
				25	0	22.34	17.89	0.062
				25	12	22.28	17.83	0.061
				25	25	22.29	17.84	0.061
				50	0	22.28	17.83	0.061
	836.5	20525		1	0	24.05	19.60	0.091
				1	25	24.30	19.85	0.097
				1	49	24.15	19.70	0.093
				25	0	22.41	17.96	0.063
				25	12	22.42	17.97	0.063
				25	25	22.69	18.24	0.067
				50	0	22.45	18.00	0.063
	844	20600		1	0	23.36	18.91	0.078
				1	25	23.57	19.12	0.082
				1	49	23.56	19.11	0.081
				25	0	22.69	18.24	0.067
				25	12	22.96	18.51	0.071
				25	25	22.97	18.52	0.071
				50	0	22.56	18.11	0.065

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	829	20450	10	1	0	22.28	17.83	0.061
				1	25	22.28	17.83	0.061
				1	49	22.28	17.83	0.061
				25	0	22.28	17.83	0.061
				25	12	22.28	17.83	0.061
				25	25	22.28	17.83	0.061
				50	0	22.28	17.83	0.061
	836.5	20525		1	0	22.51	18.06	0.064
				1	25	22.51	18.06	0.064
				1	49	22.51	18.06	0.064
				25	0	22.51	18.06	0.064
				25	12	22.56	18.11	0.065
				25	25	22.56	18.11	0.065
				50	0	22.56	18.11	0.065
	844	20600		1	0	22.57	18.12	0.065
				1	25	22.56	18.11	0.065
				1	49	22.57	18.12	0.065
				25	0	22.57	18.12	0.065
				25	12	22.67	18.22	0.066
				25	25	22.46	18.01	0.063
				50	0	22.46	18.01	0.063