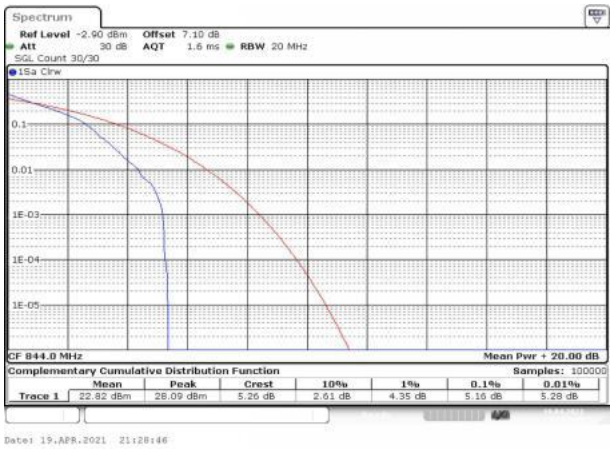

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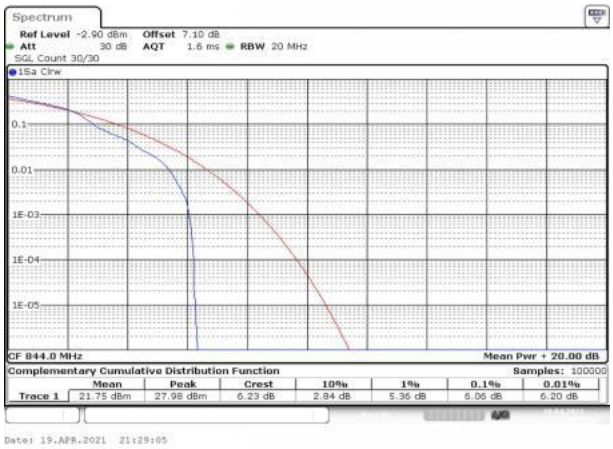

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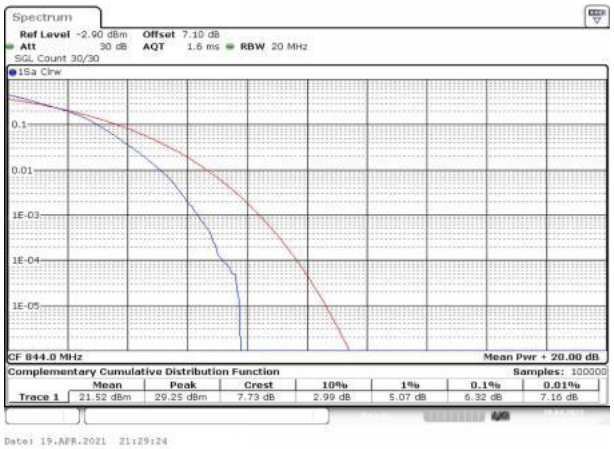

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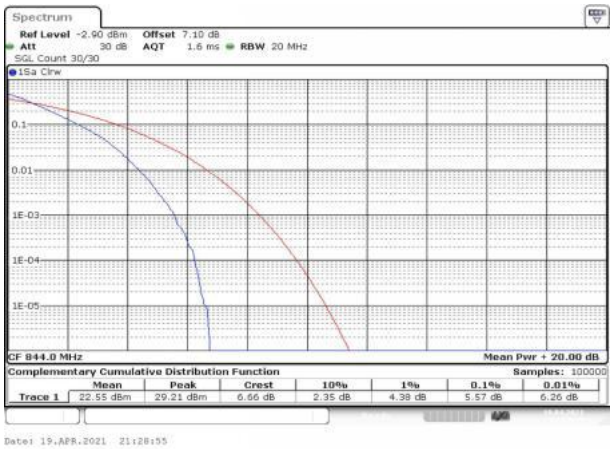

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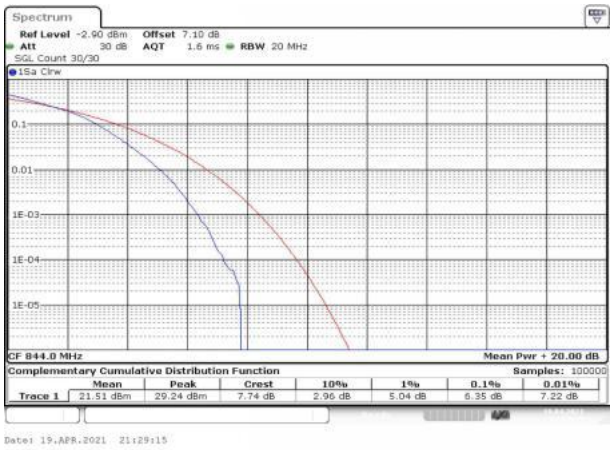

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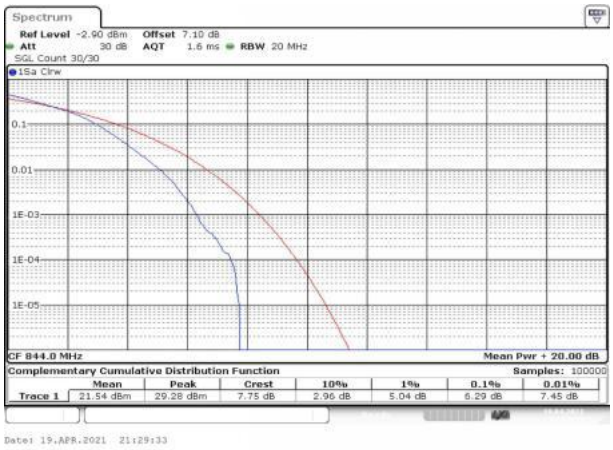

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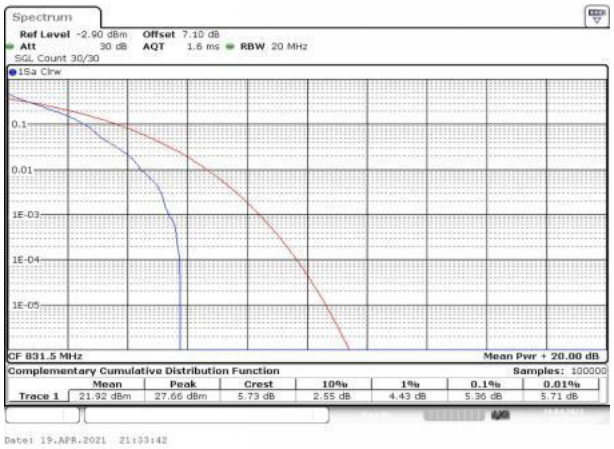

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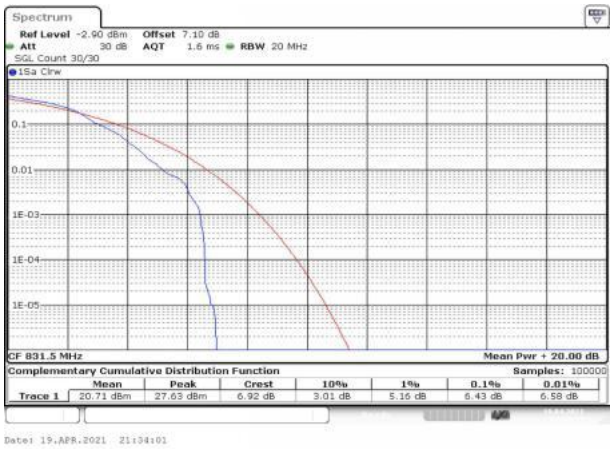

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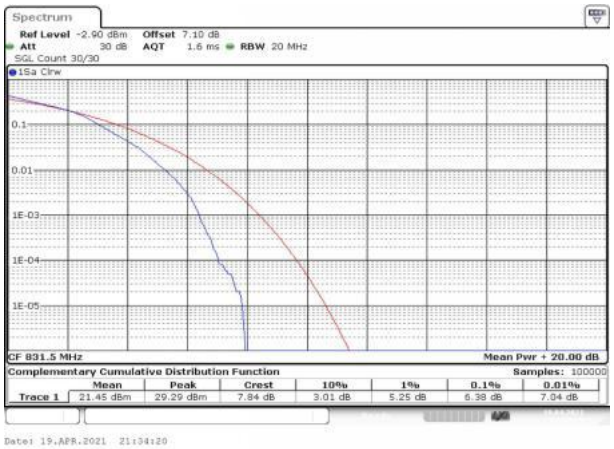

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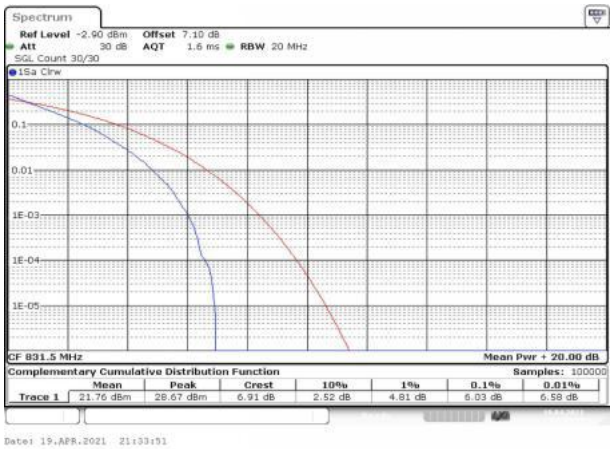

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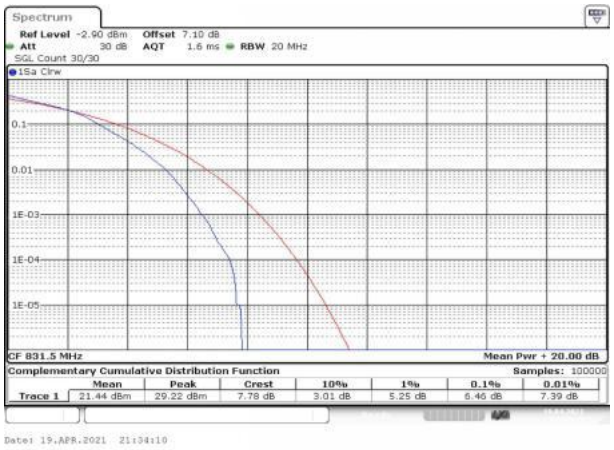

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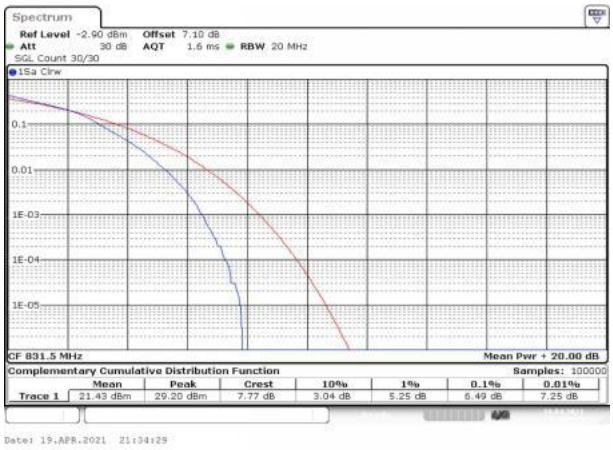

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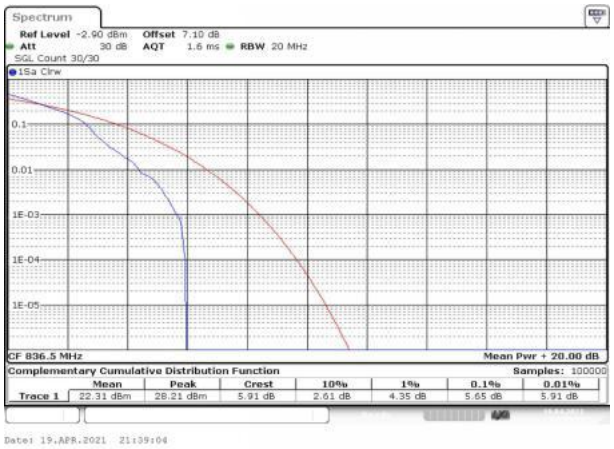


Fig.79

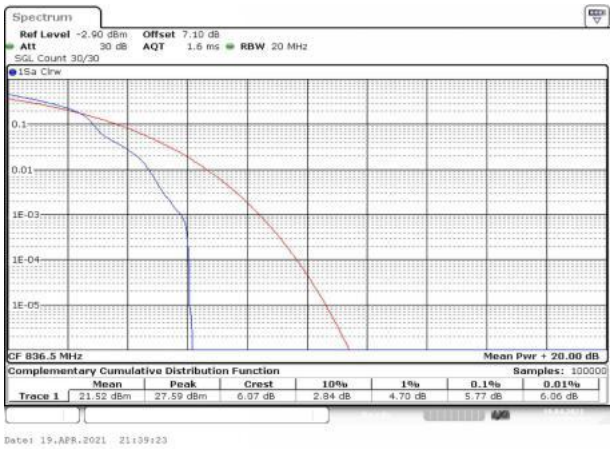


Fig.80

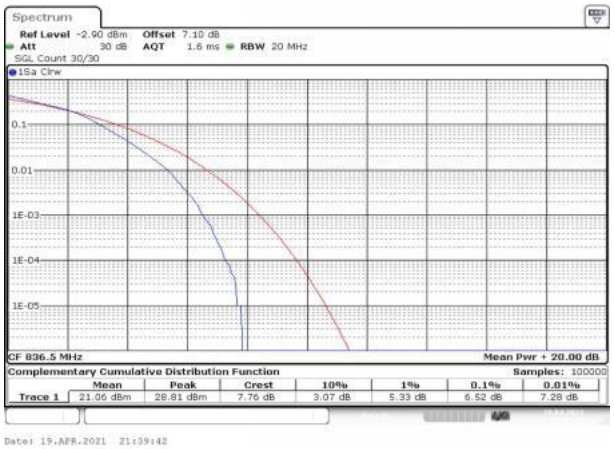


Fig.81

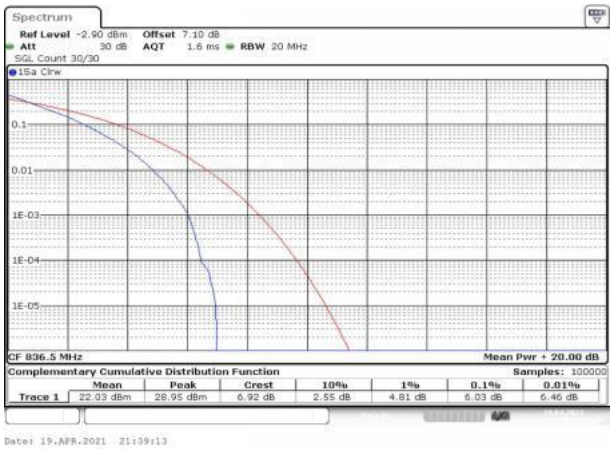


Fig.82

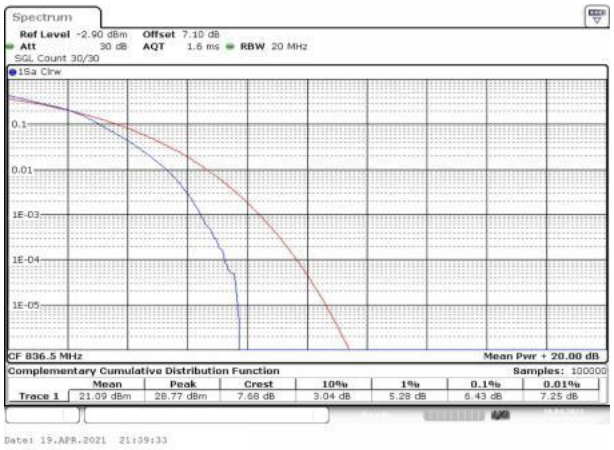


Fig.83

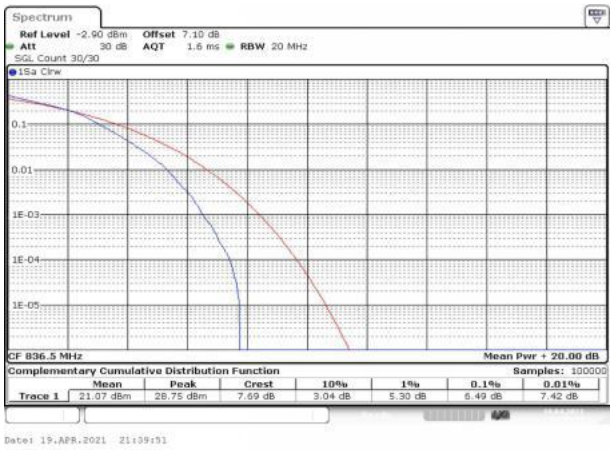


Fig.84

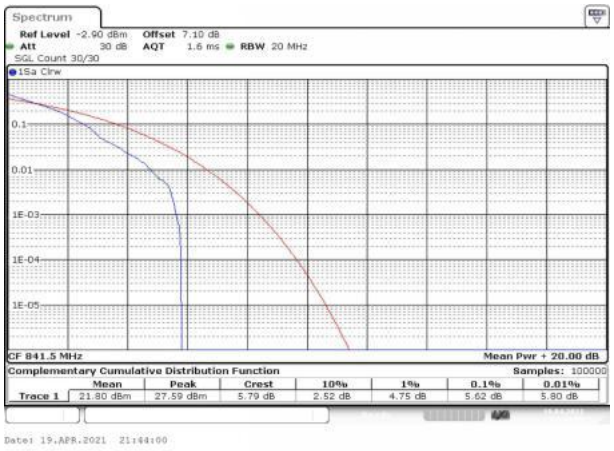


Fig.85

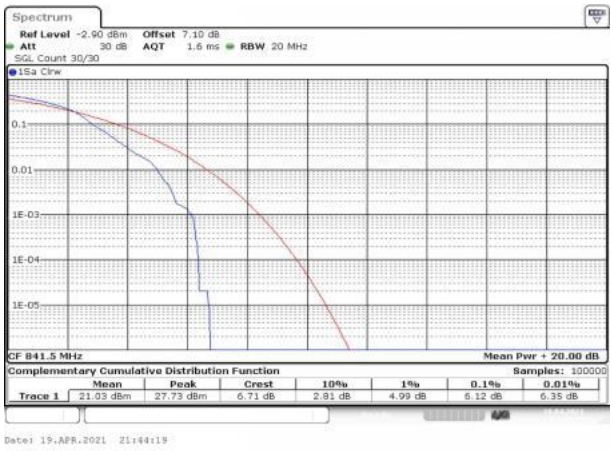
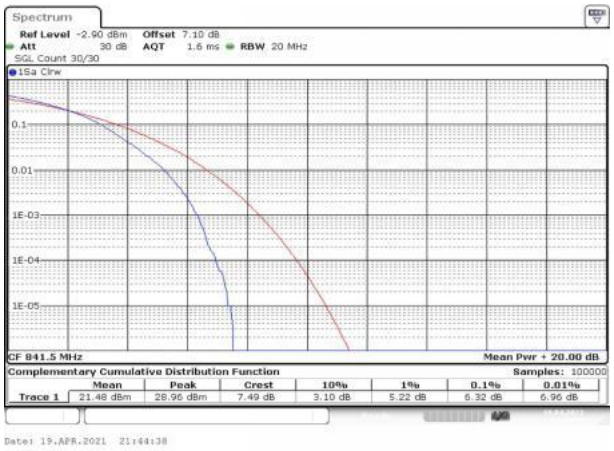


Fig.86



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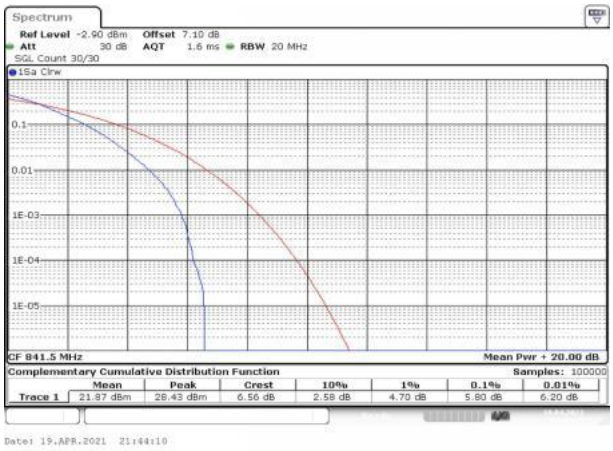
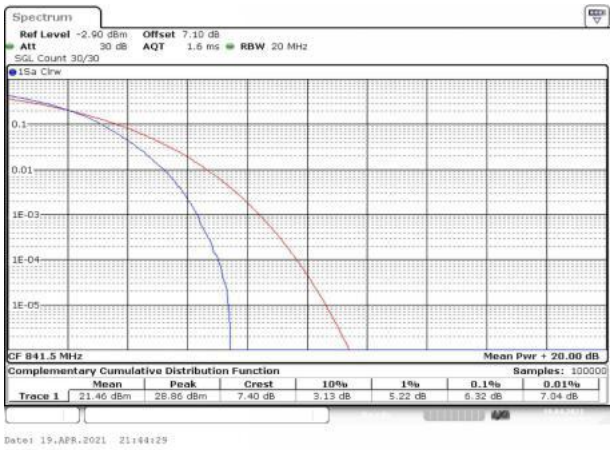


Fig.88



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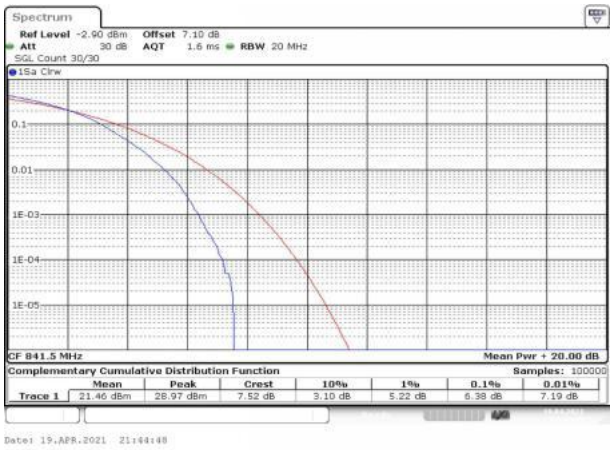


Fig.90

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
26	831.5	26865	15	1	0	Fig.1
	836.5	26915		1	0	Fig.2
	841.5	26965		1	0	Fig.3

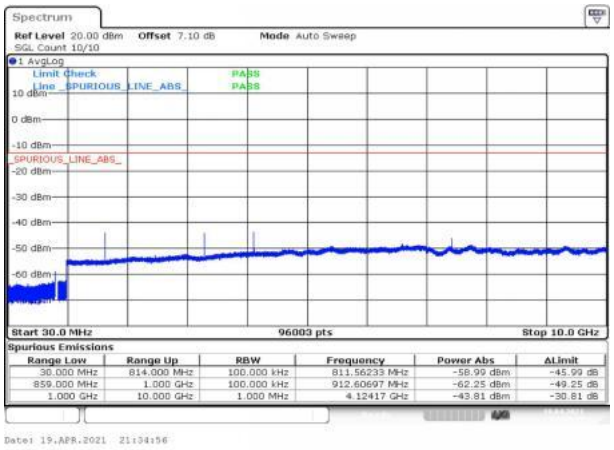


Fig.1

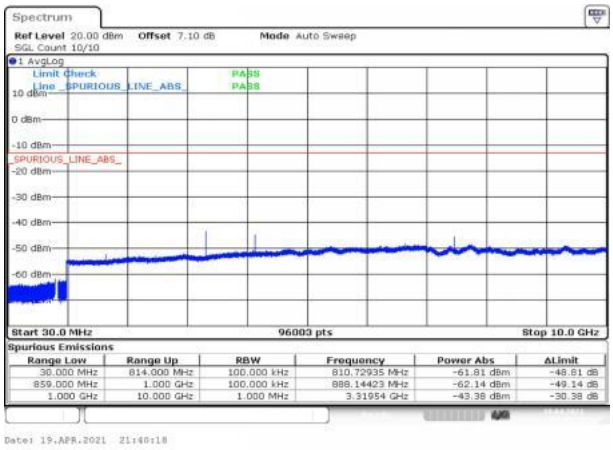


Fig.2

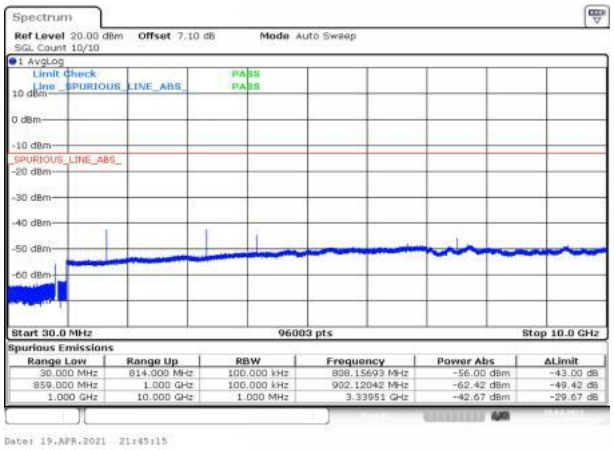


Fig.3

6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
26	824.7	26797	1.4	1	0	Fig.1
				6	0	Fig.2
	848.3	27033		1	5	Fig.3
				6	0	Fig.4
	825.5	26805	3	1	0	Fig.5
				15	0	Fig.6
	847.5	27025		1	14	Fig.7
				15	0	Fig.8
	826.5	26815	5	1	0	Fig.9
				25	0	Fig.10
	846.5	27015		1	24	Fig.11
				25	0	Fig.12
	829	26840	10	1	0	Fig.13
				50	0	Fig.14
	844	26990		1	49	Fig.15
				50	0	Fig.16
	831.5	26865	15	1	0	Fig.17
				75	0	Fig.18
	841.5	26965		1	74	Fig.19
				75	0	Fig.20

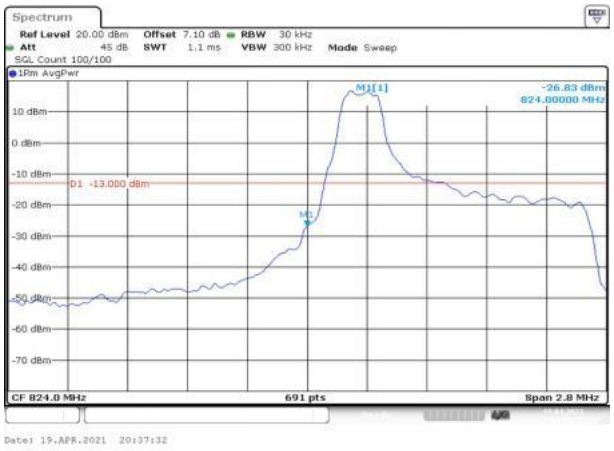


Fig.1

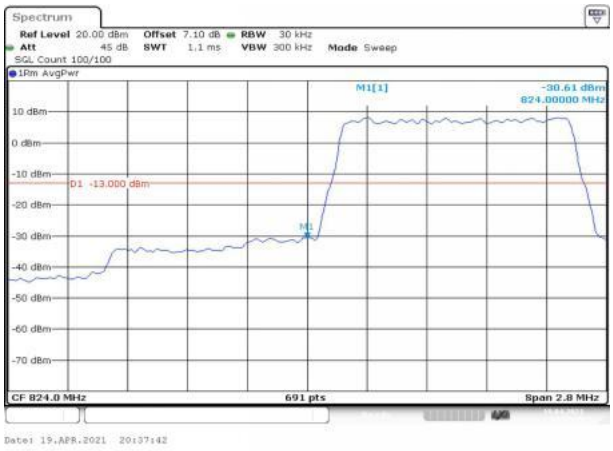


Fig.2

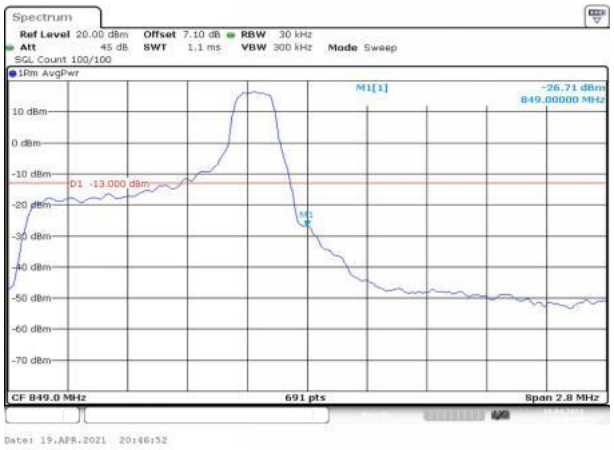


Fig.3

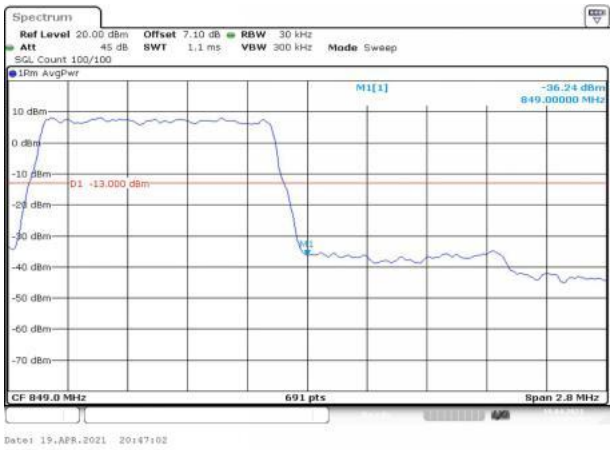


Fig.4

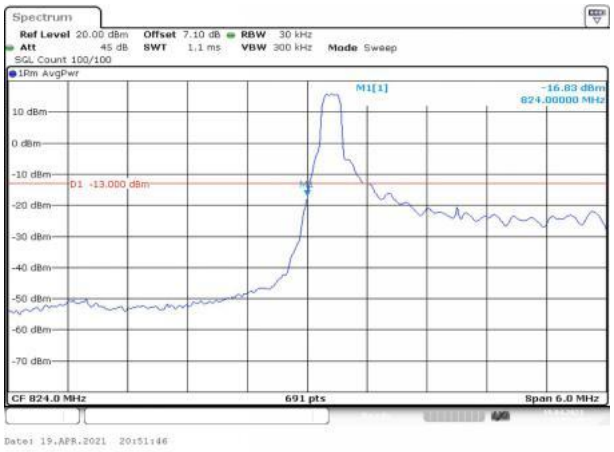


Fig.5

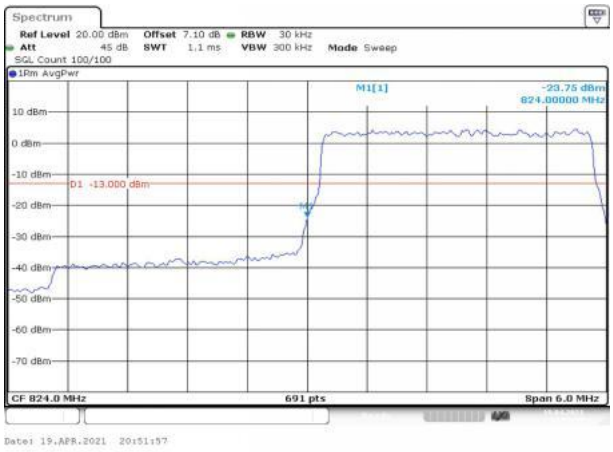


Fig.6

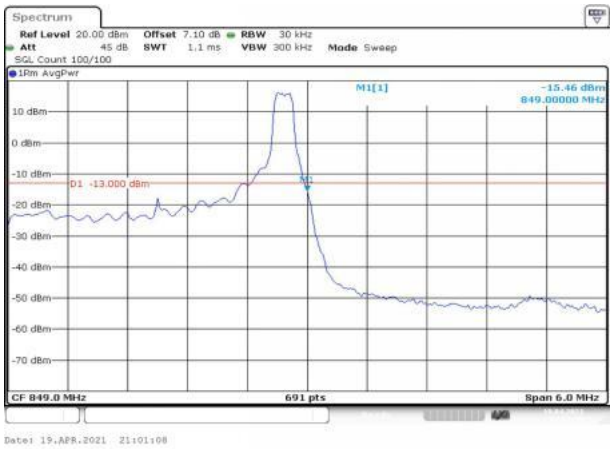


Fig.7

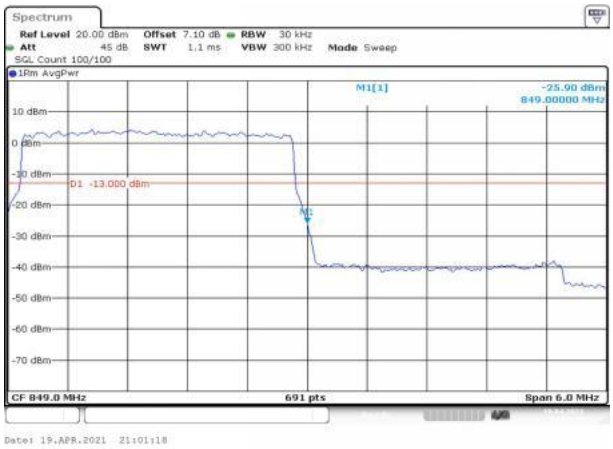


Fig.8

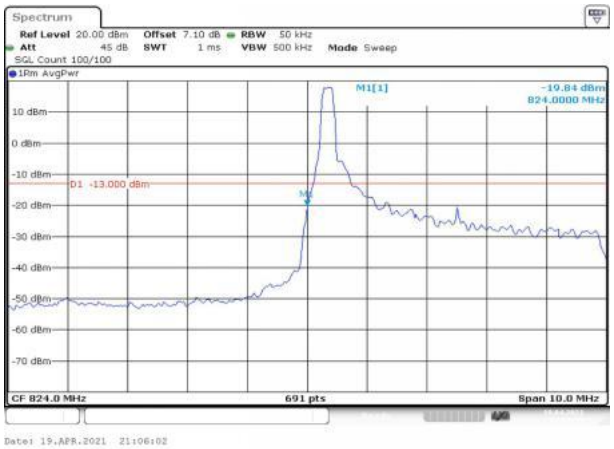


Fig.9

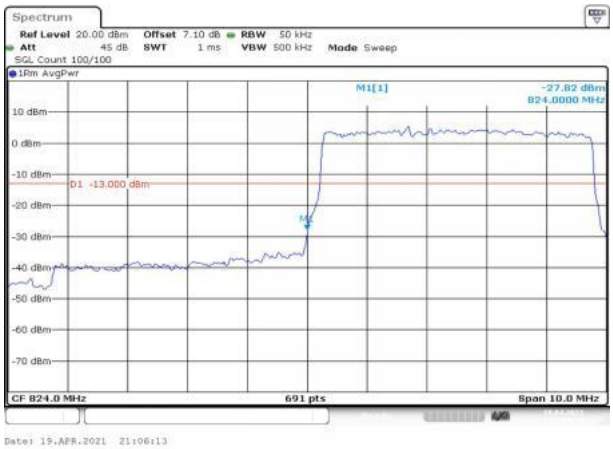


Fig.10

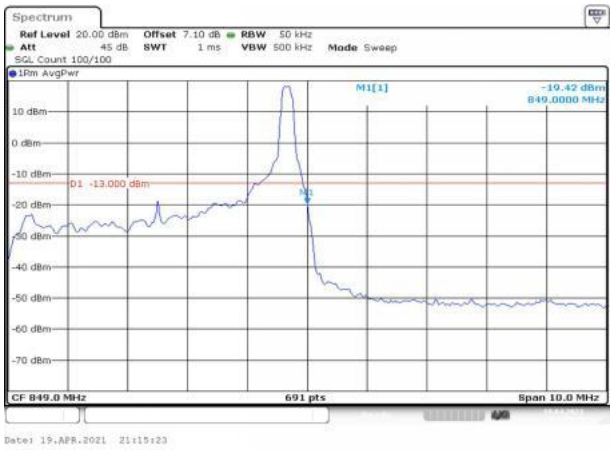


Fig.11

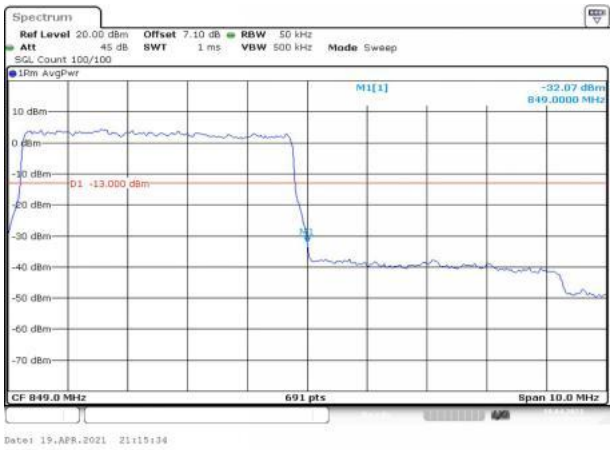


Fig.12

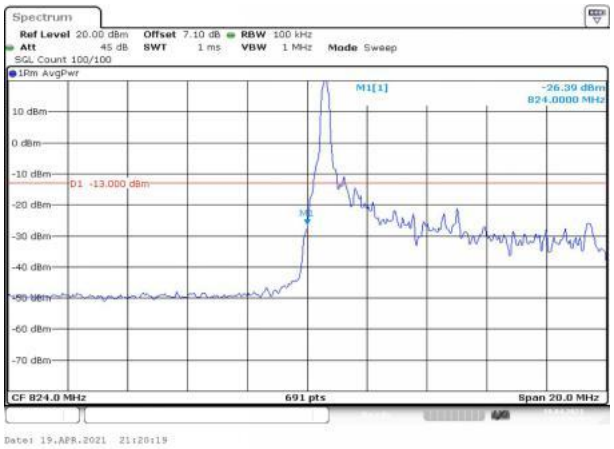


Fig.13

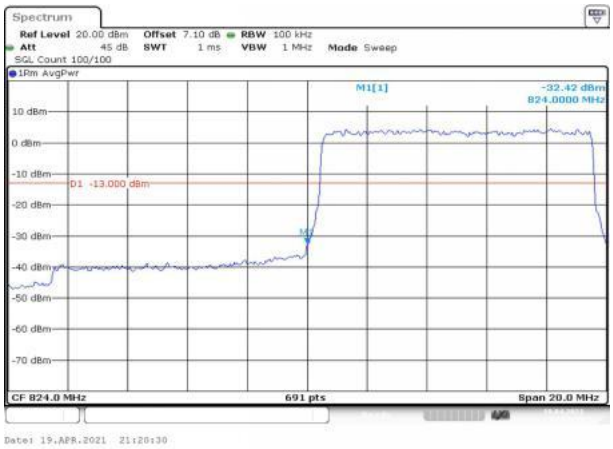


Fig.14

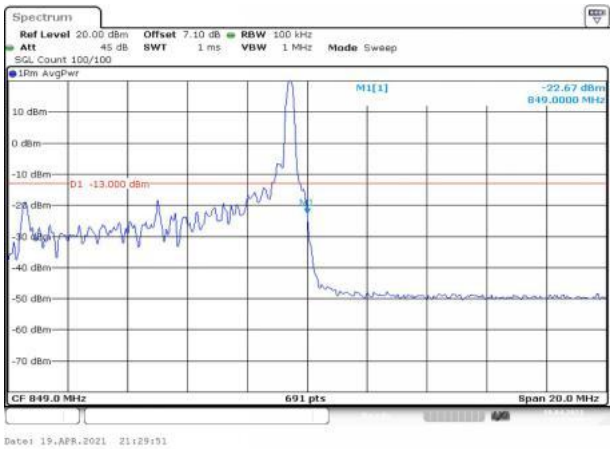


Fig.15

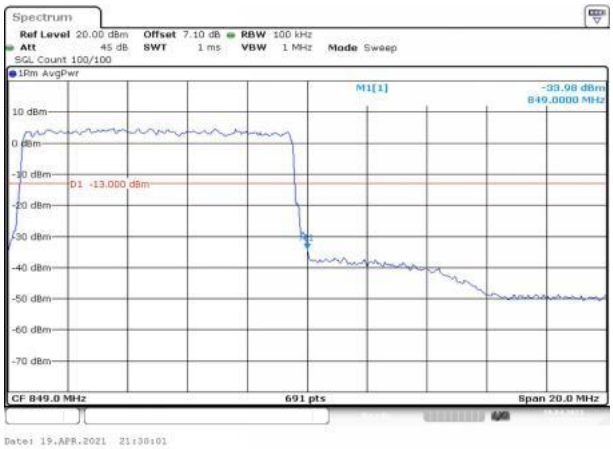


Fig.16

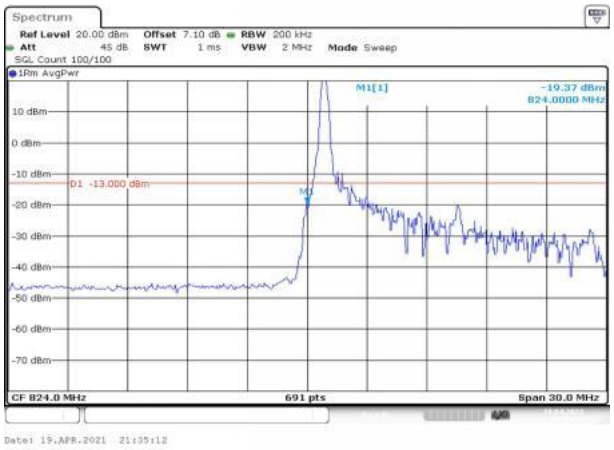


Fig.17

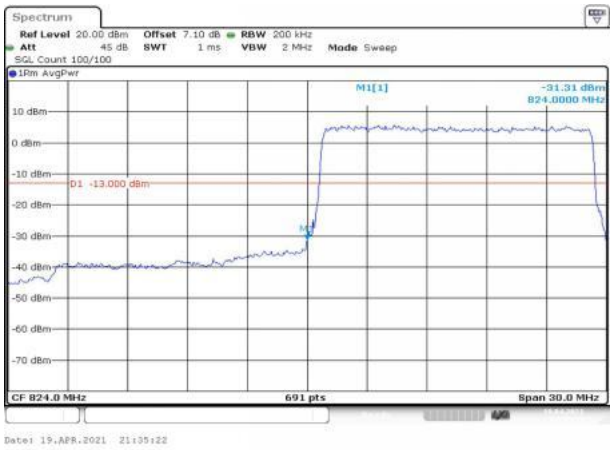
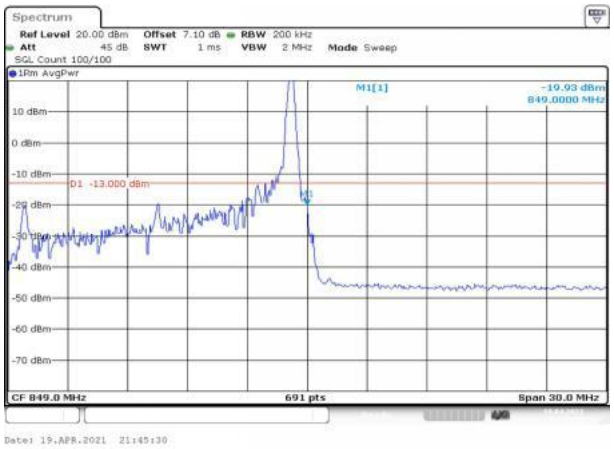


Fig.18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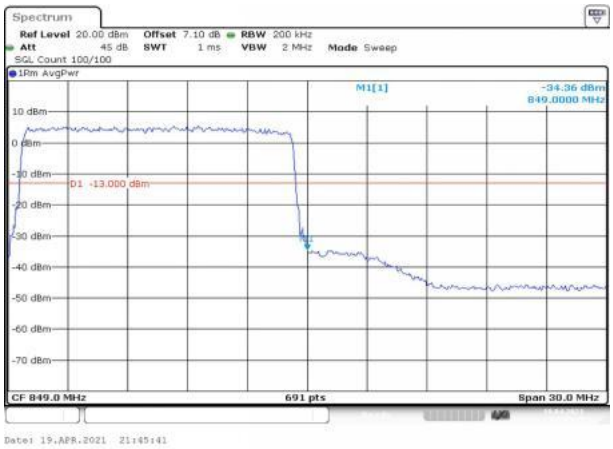
SGL Count 100/100
1Rm AvgPwr
M1[1] -19.93 dBm
849.0000 MHz
D1 -13.000 dBm
CF 849.0 MHz
691 pts
Span 30.0 MHz
Date: 19.APR.2021 21:45:30

Fig.19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SGL Count 100/100
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849.0000 MHz
D1 -13.000 dBm
CF 849.0 MHz
691 pts
Span 30.0 MHz
Date: 19.APR.2021 21:45:41

Fig.20

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band26(824-849) Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	0.008	-0.010	-0.030	-0.022	-0.046	---
-10	NV	-0.014	0.003	-0.055	-0.002	0.004	---
0	NV	-0.005	0.027	-0.021	-0.010	0.008	---
+10	NV	0.037	0.040	0.014	-0.051	0.006	---
+20	NV	0.000	0.000	0.000	0.000	0.000	---
+30	NV	0.003	0.017	-0.016	-0.037	-0.058	---
+40	NV	-0.005	0.039	-0.021	0.040	-0.017	---
+50	NV	0.007	-0.020	-1.209	-0.015	0.021	---
+55	NV	0.018	-0.003	-0.002	-1.205	-0.007	---
+20	LV	-0.013	0.017	-0.034	-0.052	0.039	---
+20	HV	0.029	-0.036	0.002	0.026	-0.031	---

Temperature(°C)	Voltage	Test Result (ppm) Band26(824-849) High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-20	NV	0.005	-1.179	-1.180	-0.016	-0.043	---
-10	NV	-0.020	-0.012	-1.180	-0.007	-0.039	---
0	NV	-0.034	-0.015	0.033	-0.001	-0.002	---
+10	NV	0.031	0.042	-1.180	-0.021	-0.022	---
+20	NV	0.000	0.000	0.000	0.000	0.000	---
+30	NV	-0.024	0.014	0.008	-1.184	-0.056	---
+40	NV	0.007	-1.179	-0.034	-0.018	-0.046	---
+50	NV	0.047	0.011	-0.049	-0.014	-0.028	---
+55	NV	0.003	0.032	0.008	-0.043	0.043	---
+20	LV	0.040	0.044	-1.180	-0.034	0.016	---
+20	HV	-0.021	0.013	0.018	0.032	0.033	---

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	26797	1.4	1	0	23.48	20.25	0.106
				1	3	23.42	20.19	0.104
				1	5	23.49	20.26	0.106
				3	0	23.52	20.29	0.107
				3	1	23.48	20.25	0.106
				3	3	23.45	20.22	0.105
				6	0	22.50	19.27	0.085
	836.5	26915		1	0	23.36	20.13	0.103
				1	3	23.43	20.20	0.105
				1	5	23.41	20.18	0.104
				3	0	23.39	20.16	0.104
				3	1	23.36	20.13	0.103
				3	3	23.35	20.12	0.103
				6	0	22.54	19.31	0.085
	848.3	27033		1	0	23.46	20.23	0.105
				1	3	23.37	20.14	0.103
				1	5	23.48	20.25	0.106
				3	0	23.49	20.26	0.106
				3	1	23.47	20.24	0.106
				3	3	23.60	20.37	0.109
				6	0	22.44	19.21	0.083
16QAM	824.7	26797		1	0	23.05	19.82	0.096
				1	3	23.06	19.83	0.096
				1	5	23.15	19.92	0.098
				3	0	22.34	19.11	0.081
				3	1	22.34	19.11	0.081
				3	3	22.33	19.10	0.081
				6	0	22.06	18.83	0.076
	836.5	26915		1	0	23.71	20.48	0.112
				1	3	23.42	20.19	0.104
				1	5	23.53	20.30	0.107
				3	0	22.44	19.21	0.083
				3	1	22.55	19.32	0.086
				3	3	22.55	19.32	0.086
				6	0	21.75	18.52	0.071
	848.3	27033		1	0	22.34	19.11	0.081
				1	3	22.29	19.06	0.081
				1	5	22.28	19.05	0.080
				3	0	22.63	19.40	0.087
				3	1	22.58	19.35	0.086
				3	3	22.57	19.34	0.086
				6	0	22.13	18.90	0.078

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	824.7	26797	1.4	1	0	21.96	18.73	0.075
				1	3	22.03	18.80	0.076
				1	5	22.02	18.79	0.076
				3	0	22.01	18.78	0.076
				3	1	22.01	18.78	0.076
				3	3	22.00	18.77	0.075
				6	0	21.99	18.76	0.075
	836.5	26915		1	0	21.76	18.53	0.071
				1	3	21.71	18.48	0.070
				1	5	21.73	18.50	0.071
				3	0	21.74	18.51	0.071
				3	1	21.75	18.52	0.071
				3	3	21.73	18.50	0.071
				6	0	21.75	18.52	0.071
	848.3	27033		1	0	22.13	18.90	0.078
				1	3	22.13	18.90	0.078
				1	5	22.13	18.90	0.078
				3	0	22.13	18.90	0.078
				3	1	22.13	18.90	0.078
				3	3	22.16	18.93	0.078
				6	0	22.12	18.89	0.077

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	26805	3	1	0	23.40	20.17	0.104
				1	8	23.42	20.19	0.104
				1	14	23.40	20.17	0.104
				8	0	22.53	19.30	0.085
				8	4	22.49	19.26	0.084
				8	7	22.49	19.26	0.084
				15	0	22.52	19.29	0.085
	836.5	26915		1	0	23.57	20.34	0.108
				1	8	23.49	20.26	0.106
				1	14	23.48	20.25	0.106
				8	0	23.01	19.78	0.095
				8	4	22.55	19.32	0.086
				8	7	22.55	19.32	0.086
				15	0	22.57	19.34	0.086
	847.5	27025		1	0	23.45	20.22	0.105
				1	8	23.48	20.25	0.106
				1	14	23.53	20.30	0.107
				8	0	22.39	19.16	0.082
				8	4	22.42	19.19	0.083
				8	7	22.43	19.20	0.083
				15	0	22.44	19.21	0.083
16QAM	825.5	26805		1	0	22.57	19.34	0.086
				1	8	22.51	19.28	0.085
				1	14	22.51	19.28	0.085
				8	0	22.19	18.96	0.079
				8	4	22.17	18.94	0.078
				8	7	22.23	19.00	0.079
				15	0	21.93	18.70	0.074
	836.5	26915		1	0	23.09	19.86	0.097
				1	8	22.61	19.38	0.087
				1	14	22.61	19.38	0.087
				8	0	21.98	18.75	0.075
				8	4	21.55	18.32	0.068
				8	7	21.66	18.43	0.070
				15	0	21.62	18.39	0.069
	847.5	27025		1	0	22.18	18.95	0.079
				1	8	22.20	18.97	0.079
				1	14	22.19	18.96	0.079
				8	0	22.16	18.93	0.078
				8	4	22.09	18.86	0.077
				8	7	22.09	18.86	0.077
				15	0	21.93	18.70	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	825.5	26805	3	1	0	21.94	18.71	0.074
				1	8	22.09	18.86	0.077
				1	14	22.09	18.86	0.077
				8	0	21.98	18.75	0.075
				8	4	21.98	18.75	0.075
				8	7	21.98	18.75	0.075
				15	0	22.09	18.86	0.077
	836.5	26915		1	0	21.63	18.40	0.069
				1	8	21.62	18.39	0.069
				1	14	21.63	18.40	0.069
				8	0	21.63	18.40	0.069
				8	4	21.64	18.41	0.069
				8	7	21.64	18.41	0.069
				15	0	21.53	18.30	0.068
	847.5	27025		1	0	21.94	18.71	0.074
				1	8	21.97	18.74	0.075
				1	14	21.98	18.75	0.075
				8	0	21.94	18.71	0.074
				8	4	21.94	18.71	0.074
				8	7	21.95	18.72	0.074
				15	0	21.94	18.71	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	26815	5	1	0	23.36	20.13	0.103
				1	12	23.55	20.32	0.108
				1	24	23.52	20.29	0.107
				12	0	22.45	19.22	0.084
				12	7	22.39	19.16	0.082
				12	13	22.39	19.16	0.082
				25	0	22.43	19.20	0.083
	836.5	26915		1	0	23.54	20.31	0.107
				1	12	23.44	20.21	0.105
				1	24	23.43	20.20	0.105
				12	0	22.97	19.74	0.094
				12	7	22.49	19.26	0.084
				12	13	22.49	19.26	0.084
				25	0	22.53	19.30	0.085
	846.5	27015		1	0	23.33	20.10	0.102
				1	12	23.42	20.19	0.104
				1	24	23.37	20.14	0.103
				12	0	22.48	19.25	0.084
				12	7	22.41	19.18	0.083
				12	13	22.40	19.17	0.083
				25	0	22.48	19.25	0.084
16QAM	826.5	26815		1	0	21.99	18.76	0.075
				1	12	22.04	18.81	0.076
				1	24	22.06	18.83	0.076
				12	0	22.01	18.78	0.076
				12	7	21.94	18.71	0.074
				12	13	21.94	18.71	0.074
				25	0	22.04	18.81	0.076
	836.5	26915		1	0	22.86	19.63	0.092
				1	12	22.35	19.12	0.082
				1	24	22.35	19.12	0.082
				12	0	21.89	18.66	0.073
				12	7	21.34	18.11	0.065
				12	13	21.51	18.28	0.067
				25	0	21.51	18.28	0.067
	846.5	27015		1	0	22.09	18.86	0.077
				1	12	22.02	18.79	0.076
				1	24	22.01	18.78	0.076
				12	0	21.39	18.16	0.065
				12	7	21.87	18.64	0.073
				12	13	21.86	18.63	0.073
				25	0	21.91	18.68	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	826.5	26815	5	1	0	22.04	18.81	0.076
				1	12	22.04	18.81	0.076
				1	24	22.04	18.81	0.076
				12	0	22.04	18.81	0.076
				12	7	22.04	18.81	0.076
				12	13	22.04	18.81	0.076
				25	0	22.04	18.81	0.076
	836.5	26915		1	0	21.51	18.28	0.067
				1	12	21.56	18.33	0.068
				1	24	21.51	18.28	0.067
				12	0	21.51	18.28	0.067
				12	7	21.51	18.28	0.067
				12	13	21.58	18.35	0.068
				25	0	21.58	18.35	0.068
	846.5	27015		1	0	21.92	18.69	0.074
				1	12	21.92	18.69	0.074
				1	24	21.95	18.72	0.074
				12	0	21.95	18.72	0.074
				12	7	21.80	18.57	0.072
				12	13	21.85	18.62	0.073
				25	0	21.95	18.72	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	26840	10	1	0	23.42	20.19	0.104
				1	25	23.38	20.15	0.104
				1	49	23.35	20.12	0.103
				25	0	22.66	19.43	0.088
				25	12	22.36	19.13	0.082
				25	25	22.35	19.12	0.082
				50	0	22.86	19.63	0.092
	836.5	26915		1	0	23.50	20.27	0.106
				1	25	23.38	20.15	0.104
				1	49	23.33	20.10	0.102
				25	0	22.98	19.75	0.094
				25	12	22.54	19.31	0.085
				25	25	22.53	19.30	0.085
				50	0	22.44	19.21	0.083
	844	26990		1	0	23.31	20.08	0.102
				1	25	23.33	20.10	0.102
				1	49	23.29	20.06	0.101
				25	0	22.36	19.13	0.082
				25	12	22.38	19.15	0.082
				25	25	22.38	19.15	0.082
				50	0	22.86	19.63	0.092
16QAM	829	26840		1	0	22.79	19.56	0.090
				1	25	22.74	19.51	0.089
				1	49	22.74	19.51	0.089
				25	0	22.06	18.83	0.076
				25	12	22.12	18.89	0.077
				25	25	22.12	18.89	0.077
				50	0	21.83	18.60	0.072
	836.5	26915		1	0	21.92	18.69	0.074
				1	25	22.01	18.78	0.076
				1	49	22.01	18.78	0.076
				25	0	22.08	18.85	0.077
				25	12	21.55	18.32	0.068
				25	25	21.55	18.32	0.068
				50	0	21.55	18.32	0.068
	844	26990		1	0	22.62	19.39	0.087
				1	25	22.56	19.33	0.086
				1	49	22.55	19.32	0.086
				25	0	21.96	18.73	0.075
				25	12	21.94	18.71	0.074
				25	25	21.95	18.72	0.074
				50	0	22.05	18.82	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	829	26840	10	1	0	21.84	18.61	0.073
				1	25	21.84	18.61	0.073
				1	49	21.84	18.61	0.073
				25	0	21.84	18.61	0.073
				25	12	21.84	18.61	0.073
				25	25	21.84	18.61	0.073
				50	0	21.83	18.60	0.072
	836.5	26915		1	0	21.55	18.32	0.068
				1	25	21.55	18.32	0.068
				1	49	21.55	18.32	0.068
				25	0	21.55	18.32	0.068
				25	12	21.55	18.32	0.068
				25	25	21.54	18.31	0.068
				50	0	21.55	18.32	0.068
	844	26990		1	0	22.06	18.83	0.076
				1	25	22.06	18.83	0.076
				1	49	22.06	18.83	0.076
				25	0	22.01	18.78	0.076
				25	12	22.06	18.83	0.076
				25	25	22.06	18.83	0.076
				50	0	22.06	18.83	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	831.5	26865	15	1	0	23.50	20.27	0.106
				1	37	23.40	20.17	0.104
				1	74	23.45	20.22	0.105
				36	0	22.84	19.61	0.091
				36	29	23.00	19.77	0.095
				36	30	22.99	19.76	0.095
				75	0	22.53	19.30	0.085
	836.5	26915		1	0	23.64	20.41	0.110
				1	37	23.55	20.32	0.108
				1	74	23.56	20.33	0.108
				36	0	22.40	19.17	0.083
				36	29	22.41	19.18	0.083
				36	30	22.41	19.18	0.083
				75	0	22.40	19.17	0.083
	841.5	26965		1	0	23.42	20.19	0.104
				1	37	23.46	20.23	0.105
				1	74	23.38	20.15	0.104
				36	0	22.45	19.22	0.084
				36	29	22.48	19.25	0.084
				36	30	22.84	19.61	0.091
				75	0	22.42	19.19	0.083
16QAM	831.5	26865		1	0	22.85	19.62	0.092
				1	37	22.84	19.61	0.091
				1	74	22.84	19.61	0.091
				36	0	21.85	18.62	0.073
				36	29	22.04	18.81	0.076
				36	30	22.05	18.82	0.076
				75	0	22.04	18.81	0.076
	836.5	26915		1	0	23.58	20.35	0.108
				1	37	23.57	20.34	0.108
				1	74	23.47	20.24	0.106
				36	0	22.06	18.83	0.076
				36	29	22.07	18.84	0.077
				36	30	22.08	18.85	0.077
				75	0	21.69	18.46	0.070
	841.5	26965		1	0	23.44	20.21	0.105
				1	37	22.82	19.59	0.091
				1	74	22.81	19.58	0.091
				36	0	21.51	18.28	0.067
				36	29	21.46	18.23	0.067
				36	30	21.47	18.24	0.067
				75	0	22.04	18.81	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	831.5	26865	15	1	0	22.04	18.81	0.076
				1	37	22.04	18.81	0.076
				1	74	22.04	18.81	0.076
				36	0	22.04	18.81	0.076
				36	29	22.04	18.81	0.076
				36	30	22.04	18.81	0.076
				75	0	22.04	18.81	0.076
	836.5	26915		1	0	21.70	18.47	0.070
				1	37	21.70	18.47	0.070
				1	74	21.70	18.47	0.070
				36	0	21.70	18.47	0.070
				36	29	21.70	18.47	0.070
				36	30	21.71	18.48	0.070
				75	0	21.71	18.48	0.070
	841.5	26965		1	0	22.04	18.81	0.076
				1	37	22.06	18.83	0.076
				1	74	22.06	18.83	0.076
				36	0	22.02	18.79	0.076
				36	29	22.02	18.79	0.076
				36	30	22.02	18.79	0.076
				75	0	22.00	18.77	0.075