

Test Mode: QPSK

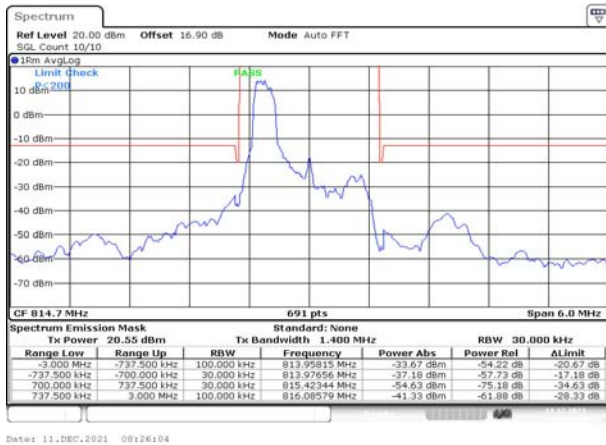


Fig.1

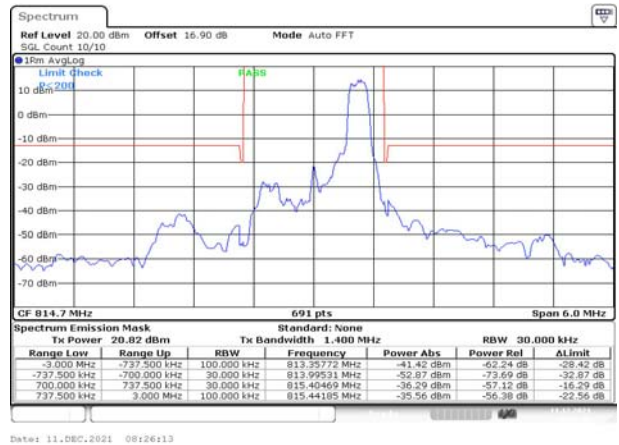


Fig.2

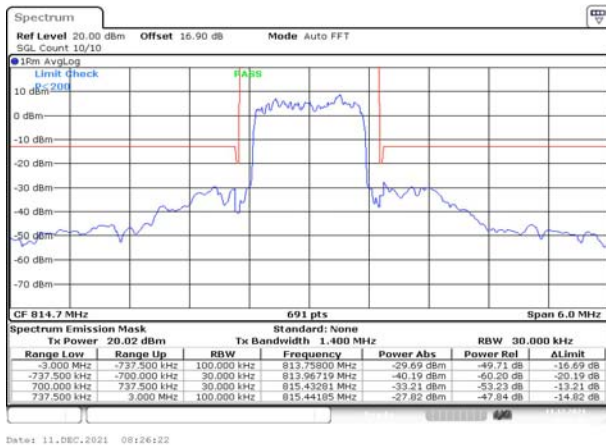


Fig.3

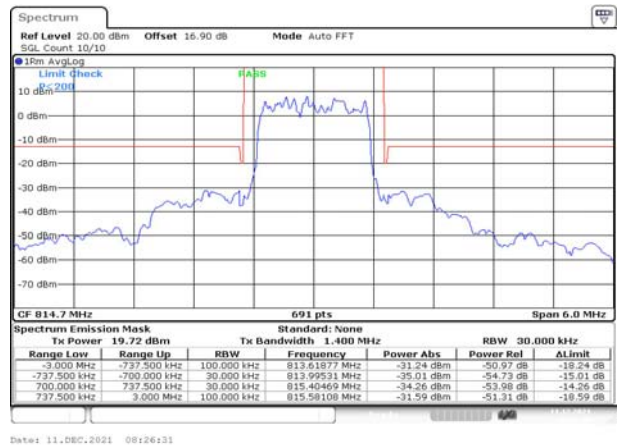


Fig.4

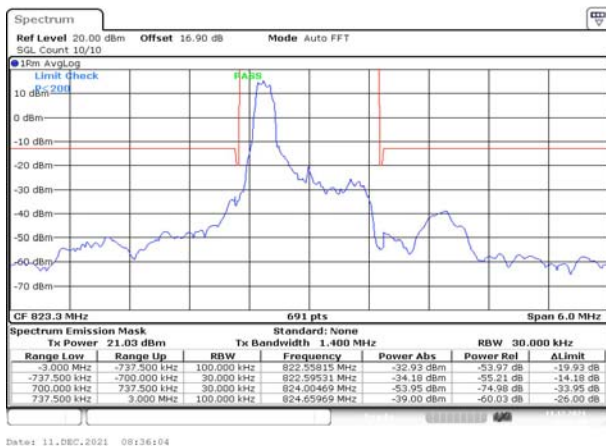


Fig.5

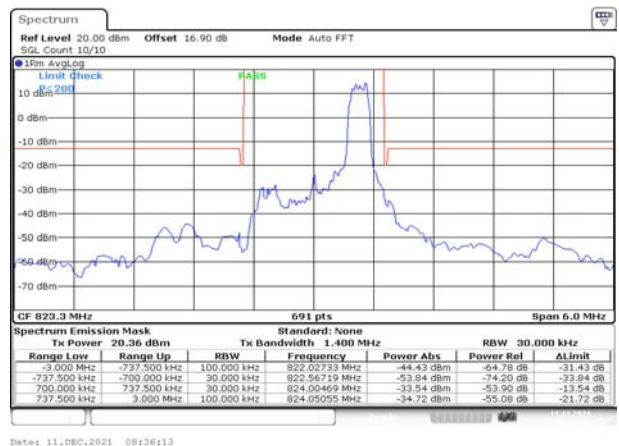


Fig.6



Fig.7

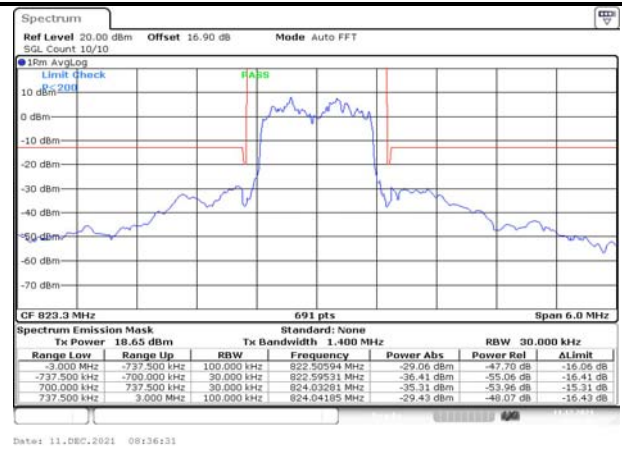


Fig.8

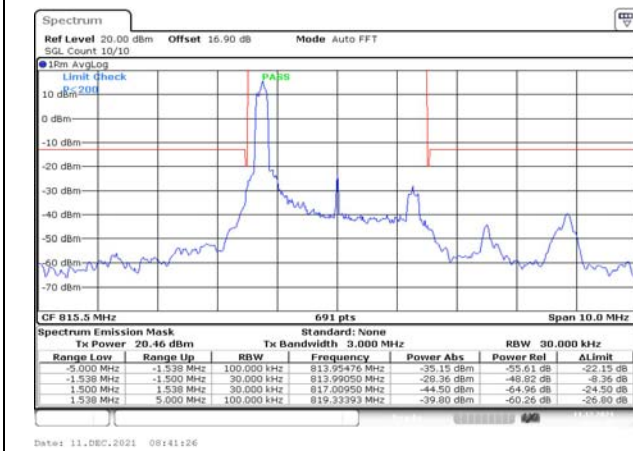


Fig.9

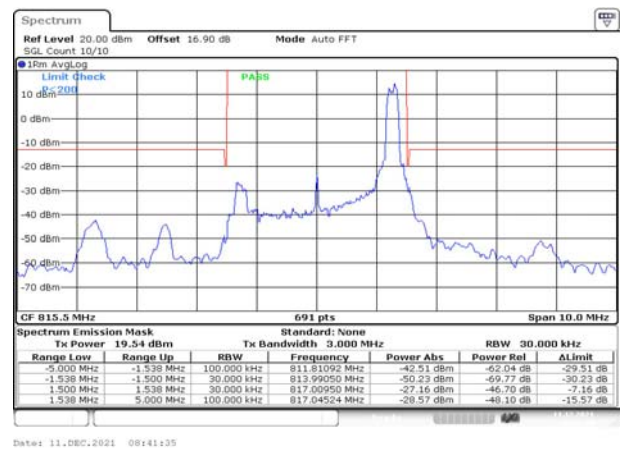


Fig.10

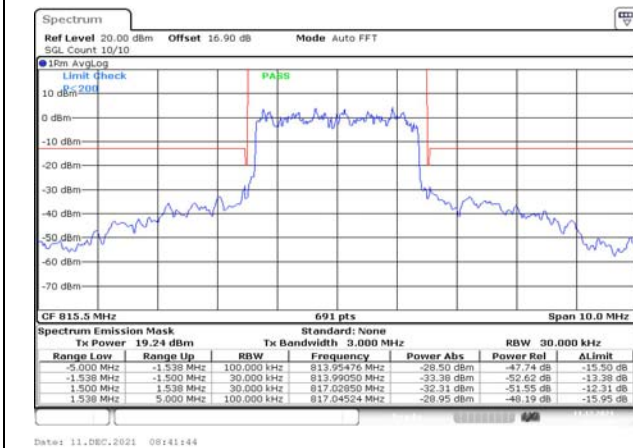


Fig.11

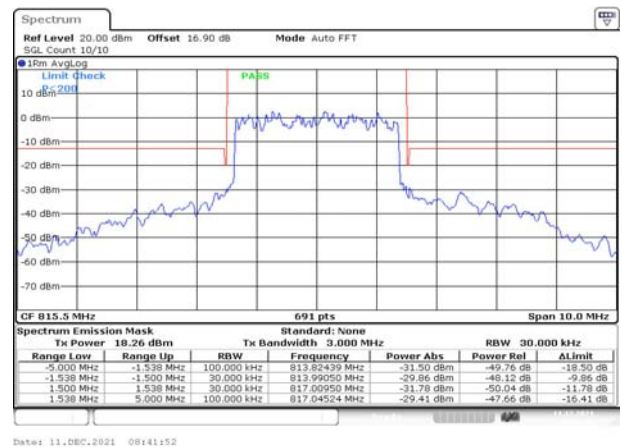


Fig.12

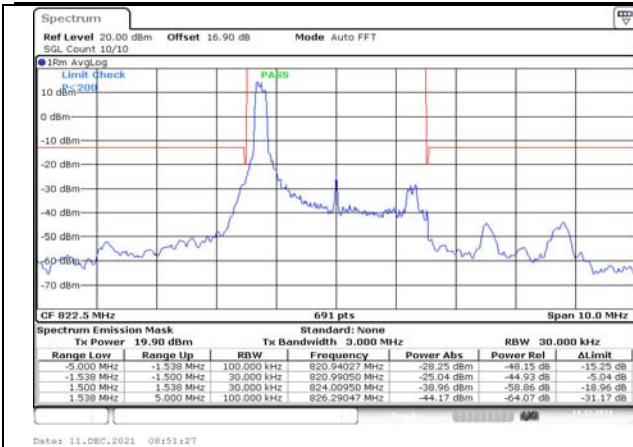


Fig.13

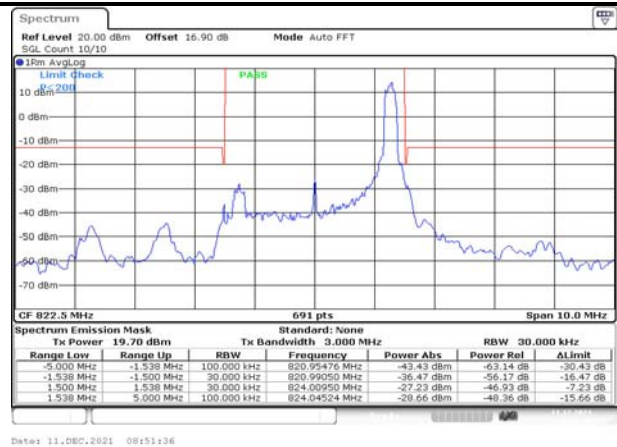


Fig.14

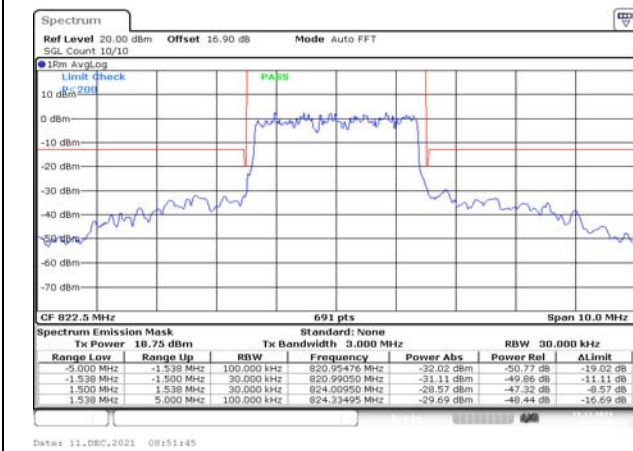


Fig.15

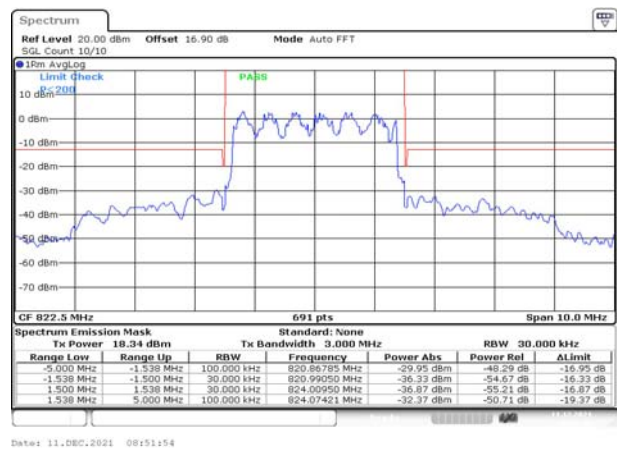


Fig.16

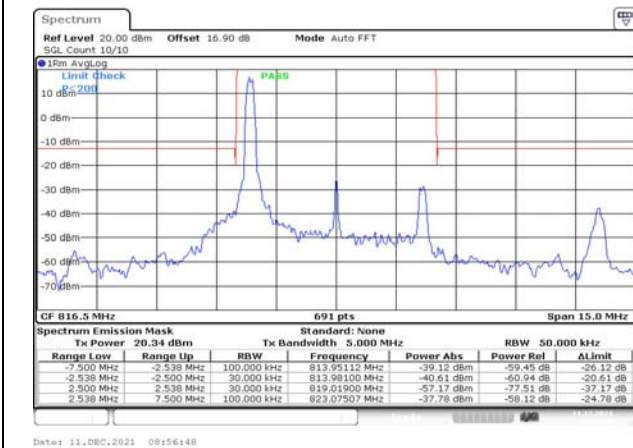


Fig.17

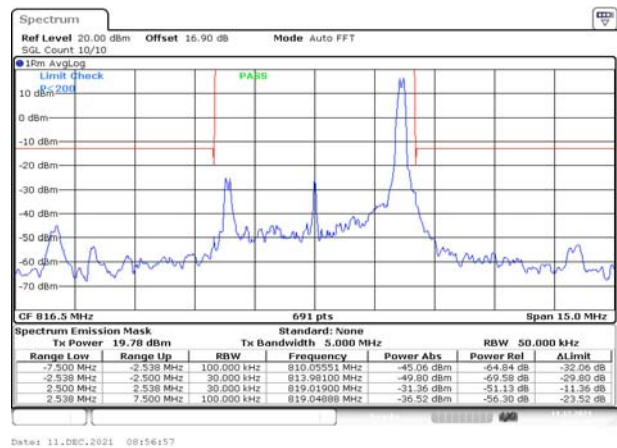


Fig.18

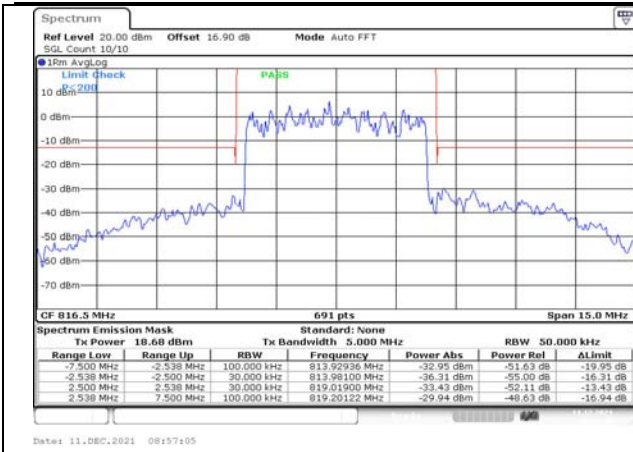


Fig.19

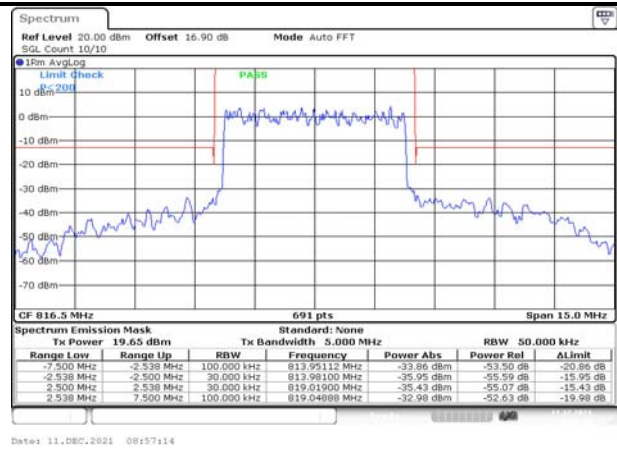


Fig.20

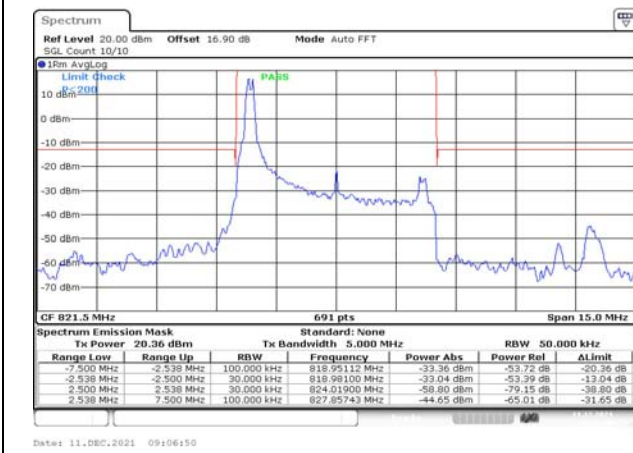


Fig.21

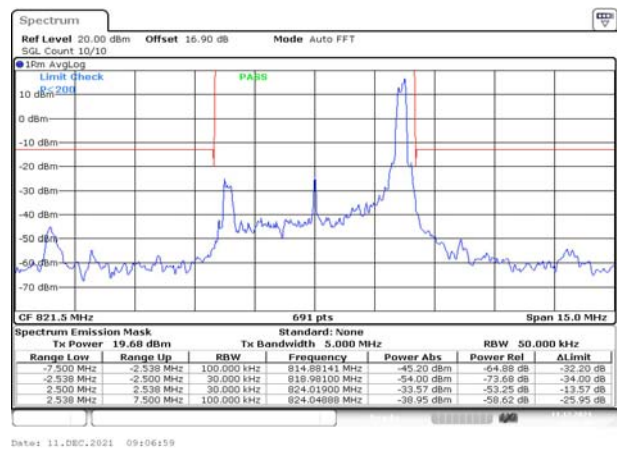


Fig.22

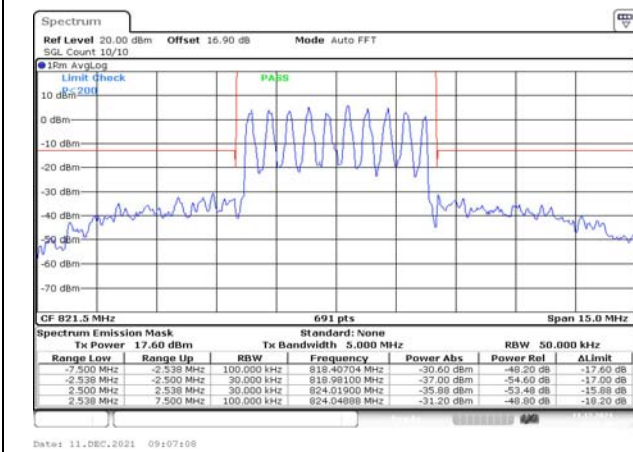


Fig.23

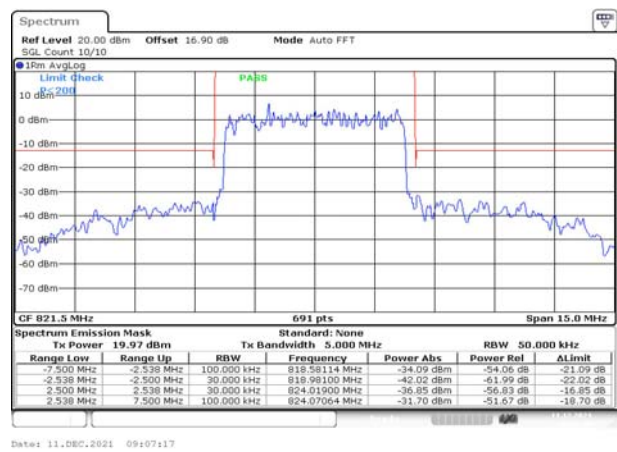


Fig.24

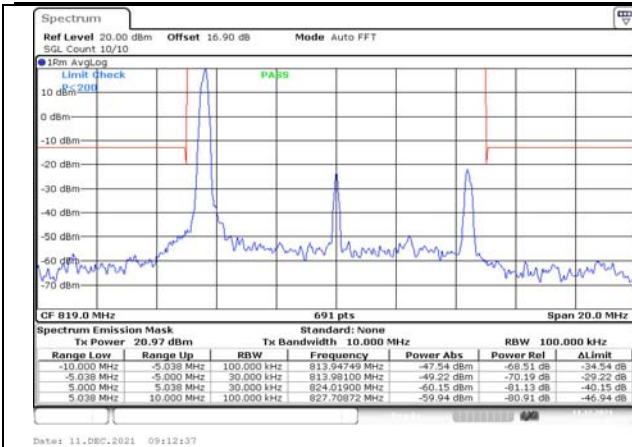


Fig.25

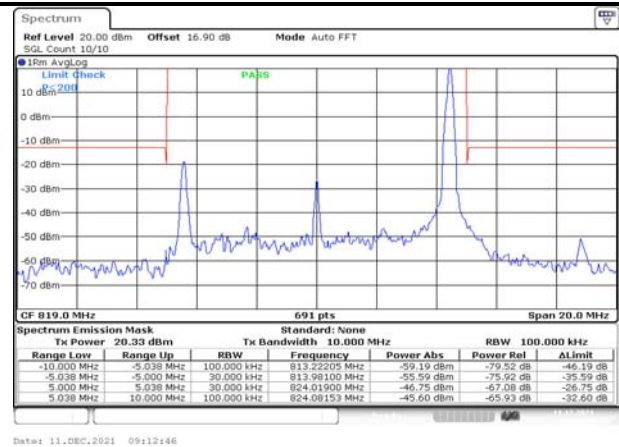


Fig.26

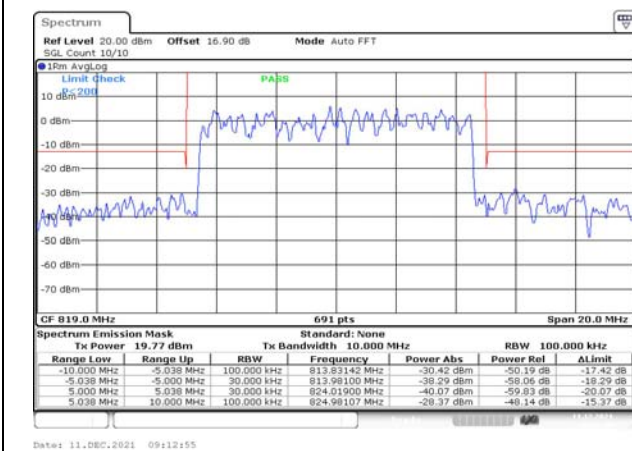


Fig.27

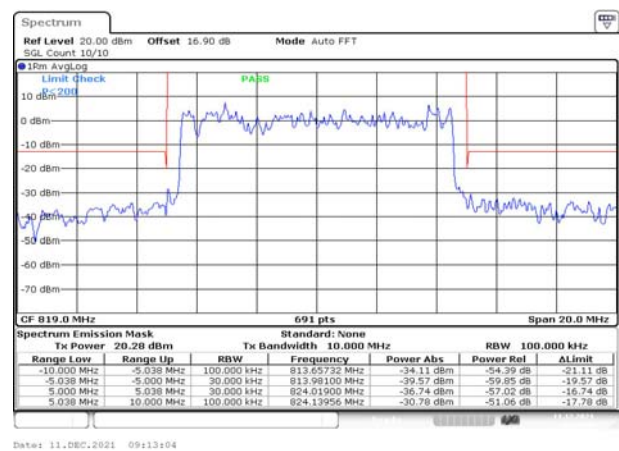


Fig.28

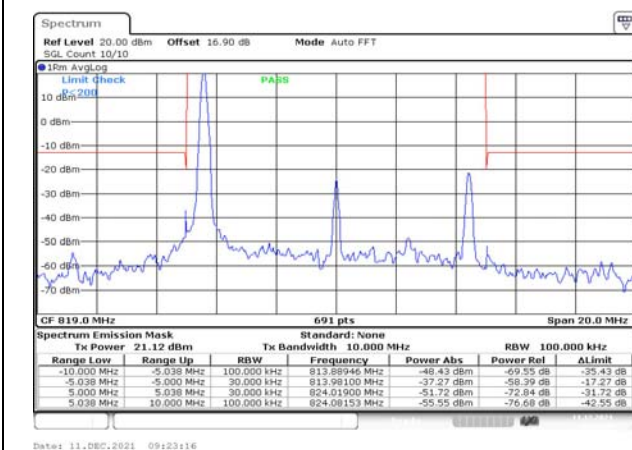


Fig.29

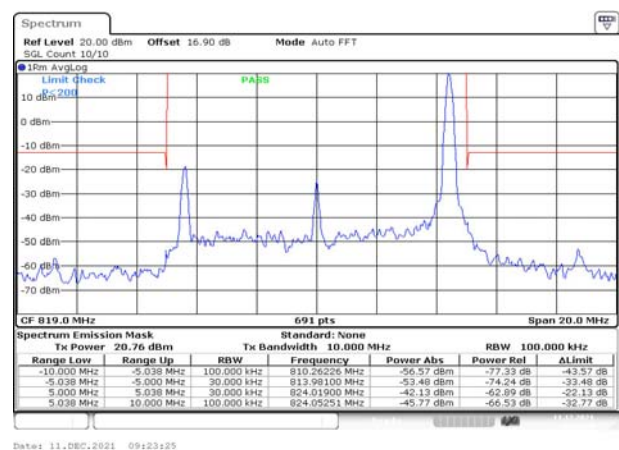


Fig.30

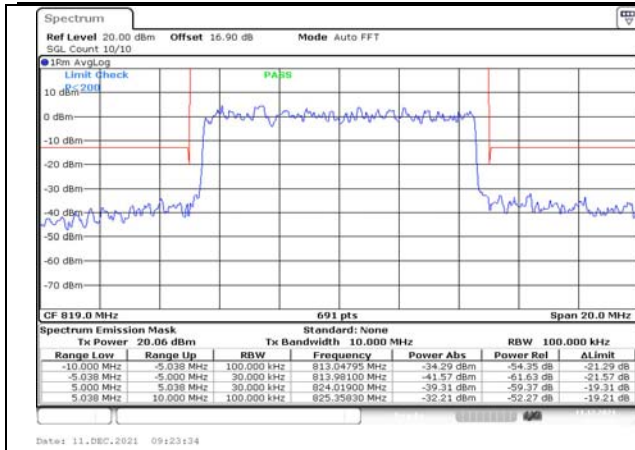


Fig.31

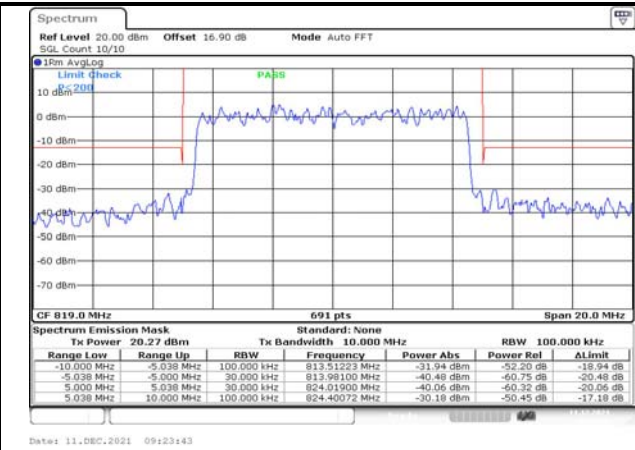


Fig.32

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 26(814-824) Low Channel QPSK			
		1.4M	3M	5M	10M
-30	NV	0.026	0.017	0.002	0.037
-20	NV	0.004	-0.008	-0.028	0.010
-10	NV	-0.005	0.003	-0.002	0.013
0	NV	-0.013	0.011	0.004	0.026
+10	NV	-0.004	0.015	-0.027	0.030
+30	NV	-0.013	-0.004	-0.013	0.021
+40	NV	0.022	0.001	-0.031	-0.013
+50	NV	0.002	-0.019	-0.035	0.010
+20	LV	0.002	-0.034	0.001	0.007
+20	HV	0.020	0.019	-0.012	0.028

Temperature(°C)	Voltage	Test Result (ppm) Band 26(814-824) High Channel QPSK			
		1.4M	3M	5M	10M
-30	NV	0.003	0.005	0.019	-0.003
-20	NV	-0.003	-0.033	0.028	0.017
-10	NV	-0.048	-0.031	0.016	-0.005
0	NV	-0.007	-0.003	-0.008	0.013
+10	NV	-0.019	-0.030	-0.003	0.019
+30	NV	-0.001	-0.016	0.024	0.008
+40	NV	-0.010	-0.032	0.011	-0.012
+50	NV	-0.036	-0.045	-0.013	0.018
+20	LV	-0.019	-0.026	0.029	0.005
+20	HV	-0.033	-0.026	0.003	-0.013

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	814.7	26697	1.4	1	0	21.62	18.62	0.073
16QAM	814.7	26697	1.4	1	3	21.64	18.64	0.073
16QAM	814.7	26697	1.4	1	5	21.79	18.79	0.076
16QAM	814.7	26697	1.4	3	0	20.82	17.82	0.061
16QAM	814.7	26697	1.4	3	1	20.81	17.81	0.060
16QAM	814.7	26697	1.4	3	3	20.72	17.72	0.059
16QAM	814.7	26697	1.4	6	0	20.32	17.32	0.054
16QAM	819	26740	1.4	1	0	21.63	18.63	0.073
16QAM	819	26740	1.4	1	3	21.66	18.66	0.073
16QAM	819	26740	1.4	1	5	21.59	18.59	0.072
16QAM	819	26740	1.4	3	0	21.16	18.16	0.065
16QAM	819	26740	1.4	3	1	21.22	18.22	0.066
16QAM	819	26740	1.4	3	3	21.20	18.20	0.066
16QAM	819	26740	1.4	6	0	20.31	17.31	0.054
16QAM	823.3	26783	1.4	1	0	22.02	19.02	0.080
16QAM	823.3	26783	1.4	1	3	21.98	18.98	0.079
16QAM	823.3	26783	1.4	1	5	22.15	19.15	0.082
16QAM	823.3	26783	1.4	3	0	21.24	18.24	0.067
16QAM	823.3	26783	1.4	3	1	21.32	18.32	0.068
16QAM	823.3	26783	1.4	3	3	21.34	18.34	0.068
16QAM	823.3	26783	1.4	6	0	20.42	17.42	0.055
64QAM	814.7	26697	1.4	1	0	21.19	18.19	0.066
64QAM	814.7	26697	1.4	1	3	21.09	18.09	0.064
64QAM	814.7	26697	1.4	1	5	21.19	18.19	0.066
64QAM	814.7	26697	1.4	3	0	20.89	17.89	0.062
64QAM	814.7	26697	1.4	3	1	21.03	18.03	0.064
64QAM	814.7	26697	1.4	3	3	20.64	17.64	0.058
64QAM	814.7	26697	1.4	6	0	20.46	17.46	0.056
64QAM	819	26740	1.4	1	0	21.84	18.84	0.077
64QAM	819	26740	1.4	1	3	21.81	18.81	0.076
64QAM	819	26740	1.4	1	5	21.71	18.71	0.074
64QAM	819	26740	1.4	3	0	20.92	17.92	0.062
64QAM	819	26740	1.4	3	1	21.08	18.08	0.064
64QAM	819	26740	1.4	3	3	20.98	17.98	0.063
64QAM	819	26740	1.4	6	0	20.22	17.22	0.053
64QAM	823.3	26783	1.4	1	0	21.71	18.71	0.074
64QAM	823.3	26783	1.4	1	3	21.76	18.76	0.075
64QAM	823.3	26783	1.4	1	5	21.86	18.86	0.077
64QAM	823.3	26783	1.4	3	0	21.17	18.17	0.066
64QAM	823.3	26783	1.4	3	1	21.19	18.19	0.066
64QAM	823.3	26783	1.4	3	3	21.03	18.03	0.064

64QAM	823.3	26783	1.4	6	0	20.36	17.36	0.054
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	814.7	26697	1.4	1	0	22.63	19.63	0.092
QPSK	814.7	26697	1.4	1	3	22.58	19.58	0.091
QPSK	814.7	26697	1.4	1	5	22.56	19.56	0.090
QPSK	814.7	26697	1.4	3	0	22.11	19.11	0.081
QPSK	814.7	26697	1.4	3	1	22.12	19.12	0.082
QPSK	814.7	26697	1.4	3	3	22.00	19.00	0.079
QPSK	814.7	26697	1.4	6	0	22.07	19.07	0.081
QPSK	819	26740	1.4	1	0	22.66	19.66	0.092
QPSK	819	26740	1.4	1	3	22.73	19.73	0.094
QPSK	819	26740	1.4	1	5	22.64	19.64	0.092
QPSK	819	26740	1.4	3	0	21.92	18.92	0.078
QPSK	819	26740	1.4	3	1	22.21	19.21	0.083
QPSK	819	26740	1.4	3	3	21.98	18.98	0.079
QPSK	819	26740	1.4	6	0	22.27	19.27	0.085
QPSK	823.3	26783	1.4	1	0	22.54	19.54	0.090
QPSK	823.3	26783	1.4	1	3	22.49	19.49	0.089
QPSK	823.3	26783	1.4	1	5	22.52	19.52	0.090
QPSK	823.3	26783	1.4	3	0	21.97	18.97	0.079
QPSK	823.3	26783	1.4	3	1	21.91	18.91	0.078
QPSK	823.3	26783	1.4	3	3	21.86	18.86	0.077
QPSK	823.3	26783	1.4	6	0	22.18	19.18	0.083

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	815.5	26705	3	1	0	21.53	18.53	0.071
16QAM	815.5	26705	3	1	8	22.15	19.15	0.082
16QAM	815.5	26705	3	1	14	22.31	19.31	0.085
16QAM	815.5	26705	3	8	0	20.33	17.33	0.054
16QAM	815.5	26705	3	8	4	20.32	17.32	0.054
16QAM	815.5	26705	3	8	7	20.46	17.46	0.056
16QAM	815.5	26705	3	15	0	20.14	17.14	0.052
16QAM	819	26740	3	1	0	21.98	18.98	0.079
16QAM	819	26740	3	1	8	21.96	18.96	0.079
16QAM	819	26740	3	1	14	21.63	18.63	0.073
16QAM	819	26740	3	8	0	20.32	17.32	0.054
16QAM	819	26740	3	8	4	20.36	17.36	0.054
16QAM	819	26740	3	8	7	20.36	17.36	0.054
16QAM	819	26740	3	15	0	20.29	17.29	0.054
16QAM	822.5	26775	3	1	0	20.93	17.93	0.062
16QAM	822.5	26775	3	1	8	21.28	18.28	0.067
16QAM	822.5	26775	3	1	14	21.25	18.25	0.067
16QAM	822.5	26775	3	8	0	20.16	17.16	0.052
16QAM	822.5	26775	3	8	4	20.03	17.03	0.050
16QAM	822.5	26775	3	8	7	20.41	17.41	0.055
16QAM	822.5	26775	3	15	0	20.29	17.29	0.054
64QAM	815.5	26705	3	1	0	21.86	18.86	0.077
64QAM	815.5	26705	3	1	8	21.81	18.81	0.076
64QAM	815.5	26705	3	1	14	21.76	18.76	0.075
64QAM	815.5	26705	3	8	0	20.43	17.43	0.055
64QAM	815.5	26705	3	8	4	20.50	17.50	0.056
64QAM	815.5	26705	3	8	7	20.53	17.53	0.057
64QAM	815.5	26705	3	15	0	20.11	17.11	0.051
64QAM	819	26740	3	1	0	22.21	19.21	0.083
64QAM	819	26740	3	1	8	22.35	19.35	0.086
64QAM	819	26740	3	1	14	22.00	19.00	0.079
64QAM	819	26740	3	8	0	20.26	17.26	0.053
64QAM	819	26740	3	8	4	20.39	17.39	0.055
64QAM	819	26740	3	8	7	20.28	17.28	0.053
64QAM	819	26740	3	15	0	19.98	16.98	0.050
64QAM	822.5	26775	3	1	0	20.77	17.77	0.060
64QAM	822.5	26775	3	1	8	21.03	18.03	0.064
64QAM	822.5	26775	3	1	14	21.10	18.10	0.065
64QAM	822.5	26775	3	8	0	20.31	17.31	0.054
64QAM	822.5	26775	3	8	4	20.36	17.36	0.054
64QAM	822.5	26775	3	8	7	20.28	17.28	0.053

64QAM	822.5	26775	3	15	0	20.17	17.17	0.052
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	815.5	26705	3	1	0	22.76	19.76	0.095
QPSK	815.5	26705	3	1	8	22.56	19.56	0.090
QPSK	815.5	26705	3	1	14	22.32	19.32	0.086
QPSK	815.5	26705	3	8	0	22.23	19.23	0.084
QPSK	815.5	26705	3	8	4	22.05	19.05	0.080
QPSK	815.5	26705	3	8	7	21.94	18.94	0.078
QPSK	815.5	26705	3	15	0	22.11	19.11	0.081
QPSK	819	26740	3	1	0	22.41	19.41	0.087
QPSK	819	26740	3	1	8	22.47	19.47	0.089
QPSK	819	26740	3	1	14	22.37	19.37	0.086
QPSK	819	26740	3	8	0	21.88	18.88	0.077
QPSK	819	26740	3	8	4	22.17	19.17	0.083
QPSK	819	26740	3	8	7	22.22	19.22	0.084
QPSK	819	26740	3	15	0	21.87	18.87	0.077
QPSK	822.5	26775	3	1	0	22.29	19.29	0.085
QPSK	822.5	26775	3	1	8	22.32	19.32	0.086
QPSK	822.5	26775	3	1	14	22.34	19.34	0.086
QPSK	822.5	26775	3	8	0	21.79	18.79	0.076
QPSK	822.5	26775	3	8	4	21.67	18.67	0.074
QPSK	822.5	26775	3	8	7	22.04	19.04	0.080
QPSK	822.5	26775	3	15	0	21.72	18.72	0.074

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	816.5	26715	5	1	0	21.00	18.00	0.063
16QAM	816.5	26715	5	1	12	20.97	17.97	0.063
16QAM	816.5	26715	5	1	24	20.99	17.99	0.063
16QAM	816.5	26715	5	12	0	20.02	17.02	0.050
16QAM	816.5	26715	5	12	7	19.81	16.81	0.048
16QAM	816.5	26715	5	12	13	19.99	16.99	0.050
16QAM	816.5	26715	5	25	0	20.22	17.22	0.053
16QAM	819	26740	5	1	0	21.54	18.54	0.071
16QAM	819	26740	5	1	12	21.45	18.45	0.070
16QAM	819	26740	5	1	24	21.58	18.58	0.072
16QAM	819	26740	5	12	0	20.17	17.17	0.052
16QAM	819	26740	5	12	7	20.14	17.14	0.052
16QAM	819	26740	5	12	13	20.11	17.11	0.051
16QAM	819	26740	5	25	0	20.27	17.27	0.053
16QAM	821.5	26765	5	1	0	21.64	18.64	0.073
16QAM	821.5	26765	5	1	12	21.00	18.00	0.063
16QAM	821.5	26765	5	1	24	21.35	18.35	0.068
16QAM	821.5	26765	5	12	0	20.03	17.03	0.050
16QAM	821.5	26765	5	12	7	20.04	17.04	0.051
16QAM	821.5	26765	5	12	13	20.06	17.06	0.051
16QAM	821.5	26765	5	25	0	20.24	17.24	0.053
64QAM	816.5	26715	5	1	0	20.92	17.92	0.062
64QAM	816.5	26715	5	1	12	20.93	17.93	0.062
64QAM	816.5	26715	5	1	24	20.89	17.89	0.062
64QAM	816.5	26715	5	12	0	19.95	16.95	0.050
64QAM	816.5	26715	5	12	7	19.80	16.80	0.048
64QAM	816.5	26715	5	12	13	20.03	17.03	0.050
64QAM	816.5	26715	5	25	0	20.28	17.28	0.053
64QAM	819	26740	5	1	0	21.47	18.47	0.070
64QAM	819	26740	5	1	12	21.53	18.53	0.071
64QAM	819	26740	5	1	24	21.38	18.38	0.069
64QAM	819	26740	5	12	0	20.21	17.21	0.053
64QAM	819	26740	5	12	7	20.17	17.17	0.052
64QAM	819	26740	5	12	13	20.33	17.33	0.054
64QAM	819	26740	5	25	0	20.08	17.08	0.051
64QAM	821.5	26765	5	1	0	21.36	18.36	0.069
64QAM	821.5	26765	5	1	12	21.16	18.16	0.065
64QAM	821.5	26765	5	1	24	21.34	18.34	0.068
64QAM	821.5	26765	5	12	0	20.25	17.25	0.053
64QAM	821.5	26765	5	12	7	20.16	17.16	0.052
64QAM	821.5	26765	5	12	13	20.11	17.11	0.051

64QAM	821.5	26765	5	25	0	20.25	17.25	0.053
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	816.5	26715	5	1	0	22.51	19.51	0.089
QPSK	816.5	26715	5	1	12	22.55	19.55	0.090
QPSK	816.5	26715	5	1	24	22.46	19.46	0.088
QPSK	816.5	26715	5	12	0	22.08	19.08	0.081
QPSK	816.5	26715	5	12	7	21.76	18.76	0.075
QPSK	816.5	26715	5	12	13	21.91	18.91	0.078
QPSK	816.5	26715	5	25	0	22.04	19.04	0.080
QPSK	819	26740	5	1	0	22.24	19.24	0.084
QPSK	819	26740	5	1	12	22.37	19.37	0.086
QPSK	819	26740	5	1	24	22.25	19.25	0.084
QPSK	819	26740	5	12	0	22.00	19.00	0.079
QPSK	819	26740	5	12	7	21.84	18.84	0.077
QPSK	819	26740	5	12	13	21.98	18.98	0.079
QPSK	819	26740	5	25	0	21.82	18.82	0.076
QPSK	821.5	26765	5	1	0	22.73	19.73	0.094
QPSK	821.5	26765	5	1	12	22.50	19.50	0.089
QPSK	821.5	26765	5	1	24	22.42	19.42	0.087
QPSK	821.5	26765	5	12	0	21.55	18.55	0.072
QPSK	821.5	26765	5	12	7	22.07	19.07	0.081
QPSK	821.5	26765	5	12	13	21.97	18.97	0.079
QPSK	821.5	26765	5	25	0	21.99	18.99	0.079

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	819	26740	10	1	0	22.19	19.19	0.083
16QAM	819	26740	10	1	25	22.32	19.32	0.086
16QAM	819	26740	10	1	49	22.28	19.28	0.085
16QAM	819	26740	10	25	0	20.61	17.61	0.058
16QAM	819	26740	10	25	12	20.62	17.62	0.058
16QAM	819	26740	10	25	25	20.62	17.62	0.058
16QAM	819	26740	10	50	0	20.69	17.69	0.059
16QAM	819	26740	10	1	0	21.42	18.42	0.070
16QAM	819	26740	10	1	25	21.20	18.20	0.066
16QAM	819	26740	10	1	49	21.54	18.54	0.071
16QAM	819	26740	10	25	0	20.64	17.64	0.058
16QAM	819	26740	10	25	12	20.49	17.49	0.056
16QAM	819	26740	10	25	25	20.60	17.60	0.058
16QAM	819	26740	10	50	0	20.70	17.70	0.059
16QAM	819	26740	10	1	0	22.17	19.17	0.083
16QAM	819	26740	10	1	25	22.30	19.30	0.085
16QAM	819	26740	10	1	49	22.30	19.30	0.085
16QAM	819	26740	10	25	0	20.61	17.61	0.058
16QAM	819	26740	10	25	12	20.64	17.64	0.058
16QAM	819	26740	10	25	25	20.69	17.69	0.059
16QAM	819	26740	10	50	0	20.54	17.54	0.057
64QAM	819	26740	10	1	0	21.58	18.58	0.072
64QAM	819	26740	10	1	25	21.62	18.62	0.073
64QAM	819	26740	10	1	49	21.69	18.69	0.074
64QAM	819	26740	10	25	0	20.61	17.61	0.058
64QAM	819	26740	10	25	12	20.61	17.61	0.058
64QAM	819	26740	10	25	25	20.67	17.67	0.058
64QAM	819	26740	10	50	0	20.62	17.62	0.058
64QAM	819	26740	10	1	0	21.59	18.59	0.072
64QAM	819	26740	10	1	25	21.63	18.63	0.073
64QAM	819	26740	10	1	49	21.70	18.70	0.074
64QAM	819	26740	10	25	0	20.61	17.61	0.058
64QAM	819	26740	10	25	12	20.69	17.69	0.059
64QAM	819	26740	10	25	25	20.74	17.74	0.059
64QAM	819	26740	10	50	0	20.56	17.56	0.057
64QAM	819	26740	10	1	0	22.01	19.01	0.080
64QAM	819	26740	10	1	25	21.90	18.90	0.078
64QAM	819	26740	10	1	49	21.97	18.97	0.079
64QAM	819	26740	10	25	0	20.40	17.40	0.055
64QAM	819	26740	10	25	12	20.61	17.61	0.058
64QAM	819	26740	10	25	25	20.64	17.64	0.058

64QAM	819	26740	10	50	0	20.58	17.58	0.057
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	819	26740	10	1	0	22.61	19.61	0.091
QPSK	819	26740	10	1	25	22.53	19.53	0.090
QPSK	819	26740	10	1	49	22.46	19.46	0.088
QPSK	819	26740	10	25	0	22.45	19.45	0.088
QPSK	819	26740	10	25	12	22.74	19.74	0.094
QPSK	819	26740	10	25	25	22.29	19.29	0.085
QPSK	819	26740	10	50	0	22.34	19.34	0.086
QPSK	819	26740	10	1	0	22.59	19.59	0.091
QPSK	819	26740	10	1	25	22.47	19.47	0.089
QPSK	819	26740	10	1	49	22.68	19.68	0.093
QPSK	819	26740	10	25	0	22.45	19.45	0.088
QPSK	819	26740	10	25	12	22.62	19.62	0.092
QPSK	819	26740	10	25	25	22.34	19.34	0.086
QPSK	819	26740	10	50	0	22.71	19.71	0.094
QPSK	819	26740	10	1	0	22.60	19.60	0.091
QPSK	819	26740	10	1	25	22.53	19.53	0.090
QPSK	819	26740	10	1	49	22.44	19.44	0.088
QPSK	819	26740	10	25	0	22.45	19.45	0.088
QPSK	819	26740	10	25	12	22.59	19.59	0.091
QPSK	819	26740	10	25	25	22.32	19.32	0.086
QPSK	819	26740	10	50	0	22.74	19.74	0.094