

Fig.67

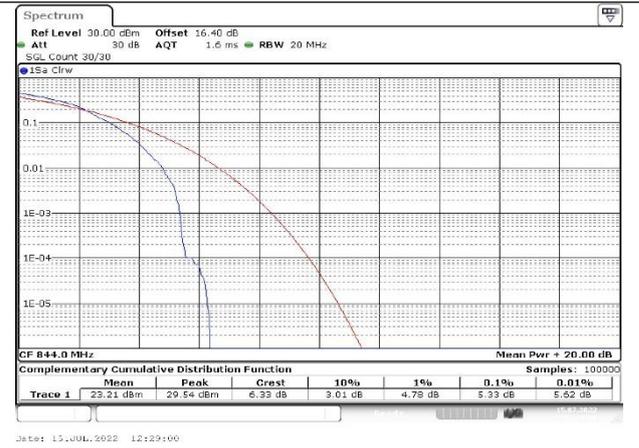


Fig.68

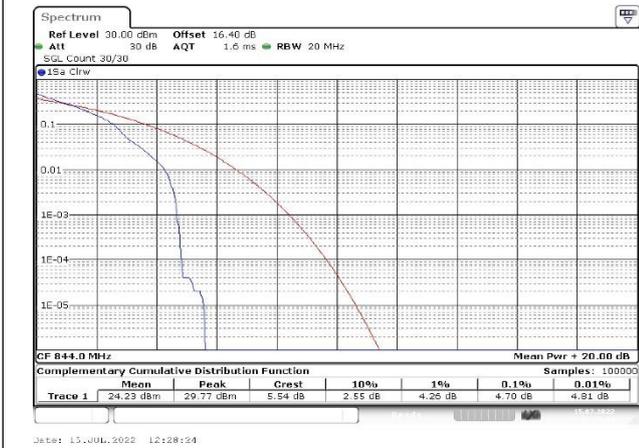


Fig.69

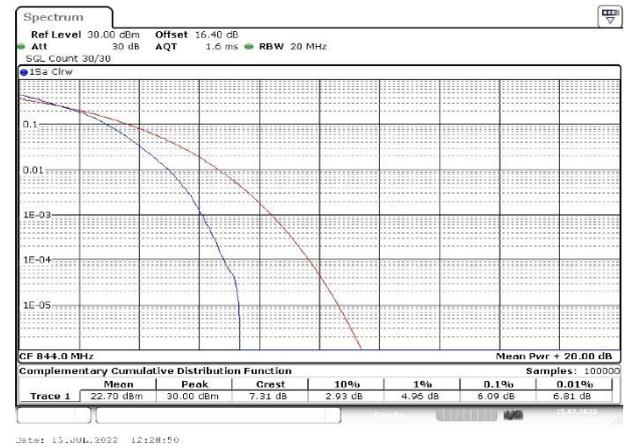


Fig.70

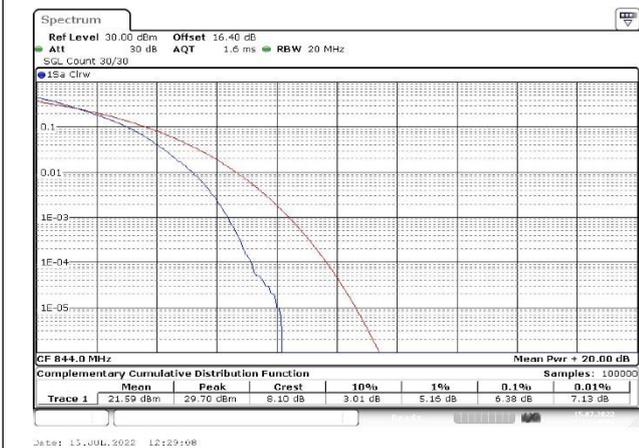


Fig.71

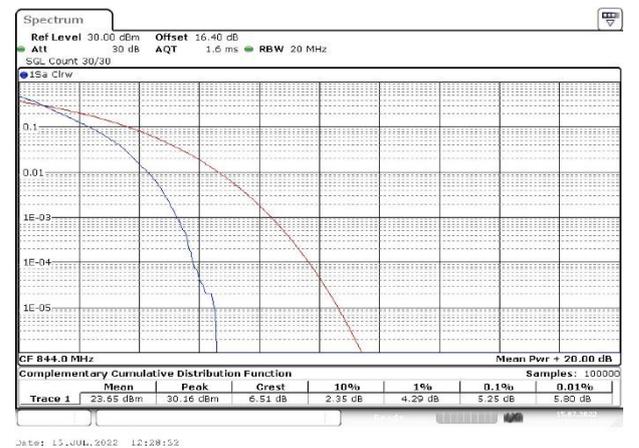


Fig.72

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
5	836.5	20525	10	1	0	Fig.2
5	844	20600	10	1	0	Fig.3

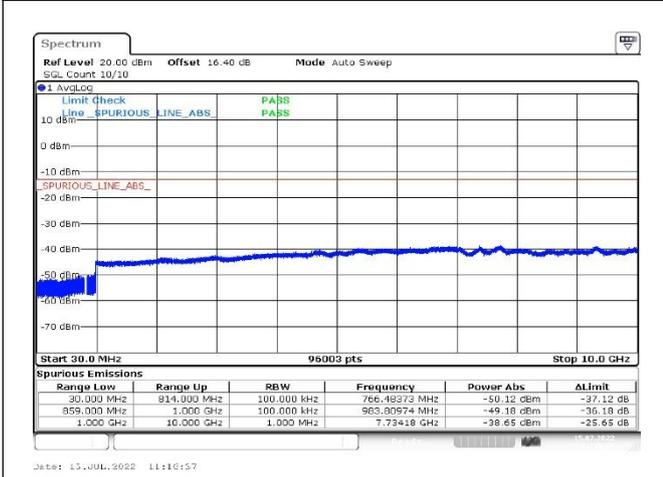


Fig.1

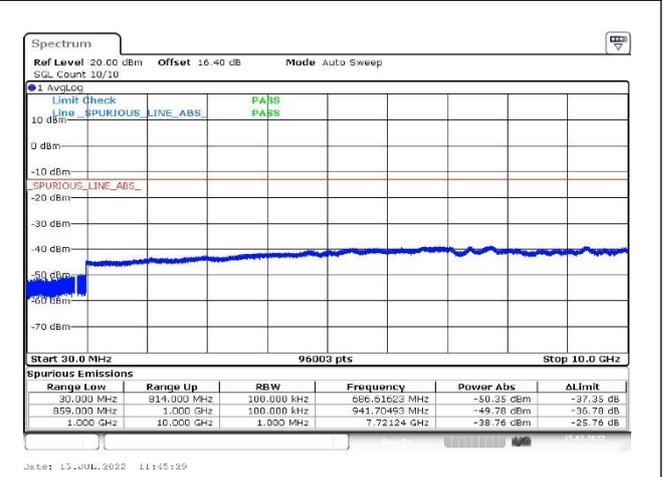


Fig.2

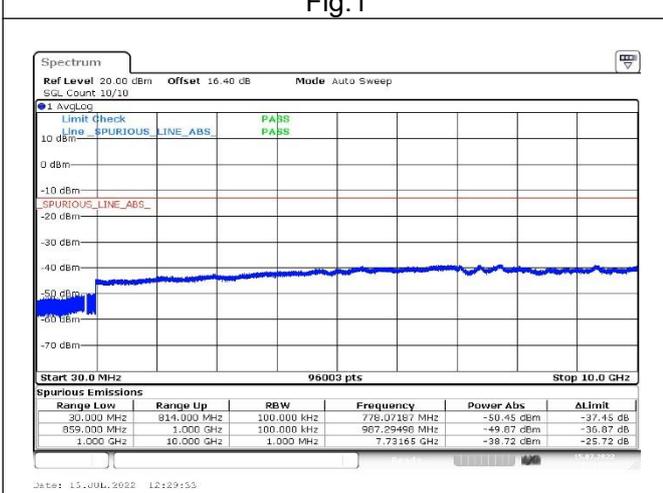
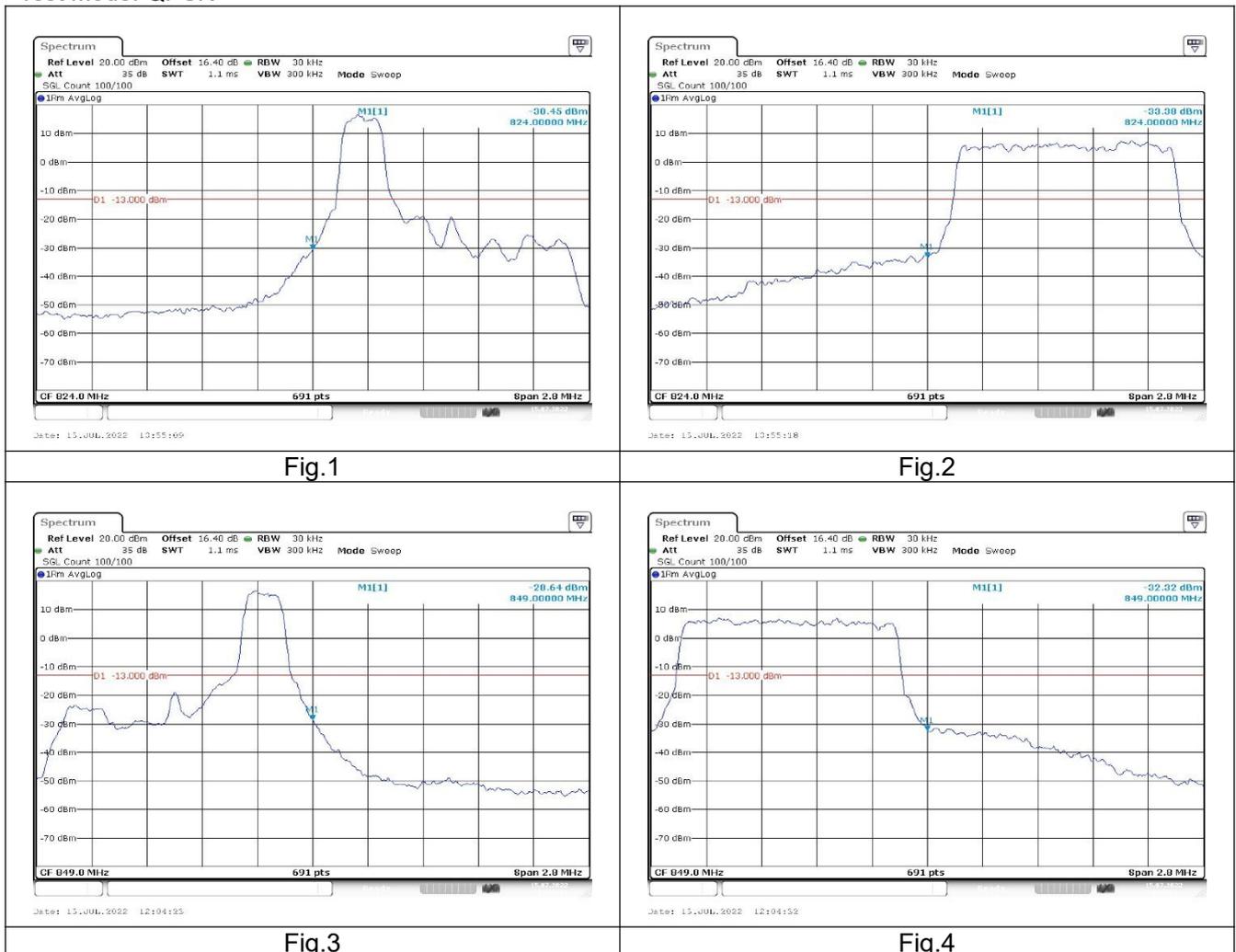


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
5	QPSK	824.7	20407	1.4	1	0	Fig.1
5	QPSK	824.7	20407	1.4	6	0	Fig.2
5	QPSK	848.3	20643	1.4	1	5	Fig.3
5	QPSK	848.3	20643	1.4	6	0	Fig.4
5	QPSK	825.5	20415	3	1	0	Fig.5
5	QPSK	825.5	20415	3	15	0	Fig.6
5	QPSK	847.5	20635	3	1	14	Fig.7
5	QPSK	847.5	20635	3	15	0	Fig.8
5	QPSK	826.5	20425	5	1	0	Fig.9
5	QPSK	826.5	20425	5	25	0	Fig.10
5	QPSK	846.5	20625	5	1	24	Fig.11
5	QPSK	846.5	20625	5	25	0	Fig.12
5	QPSK	829	20450	10	1	0	Fig.13
5	QPSK	829	20450	10	50	0	Fig.14
5	QPSK	844	20600	10	1	49	Fig.15
5	QPSK	844	20600	10	50	0	Fig.16

Test Mode: QPSK



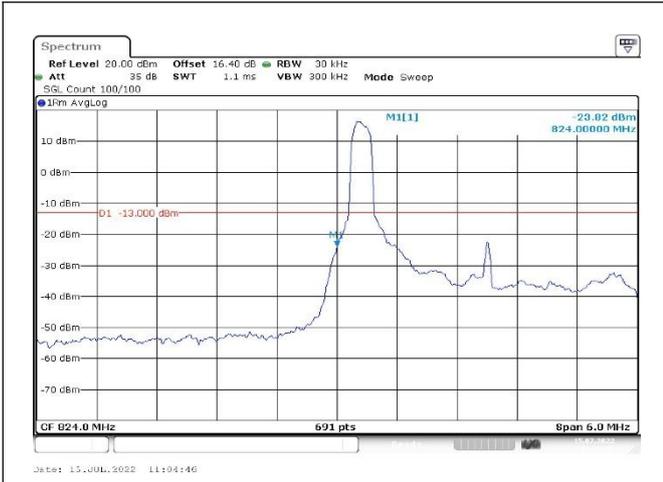


Fig.5

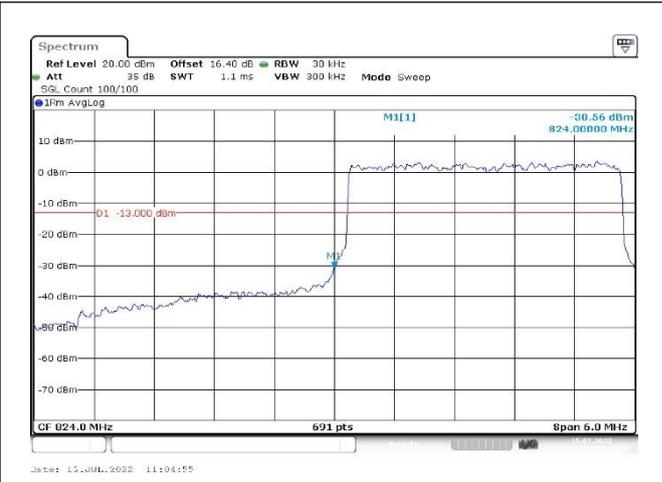


Fig.6

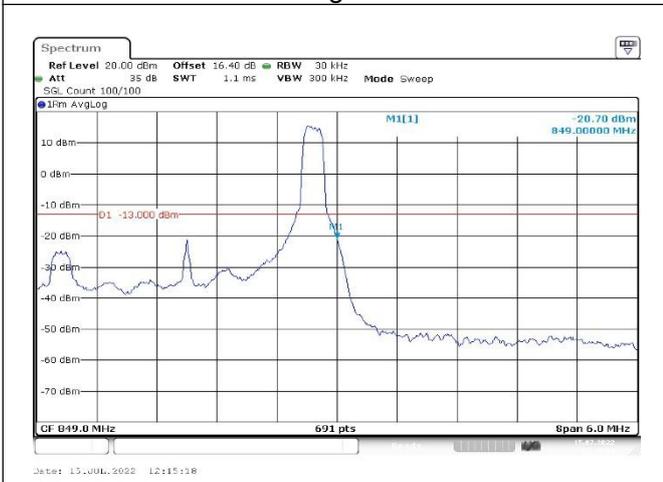


Fig.7

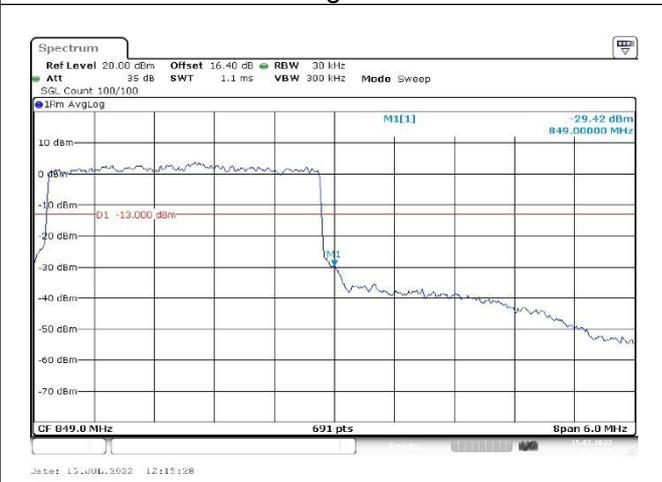


Fig.8

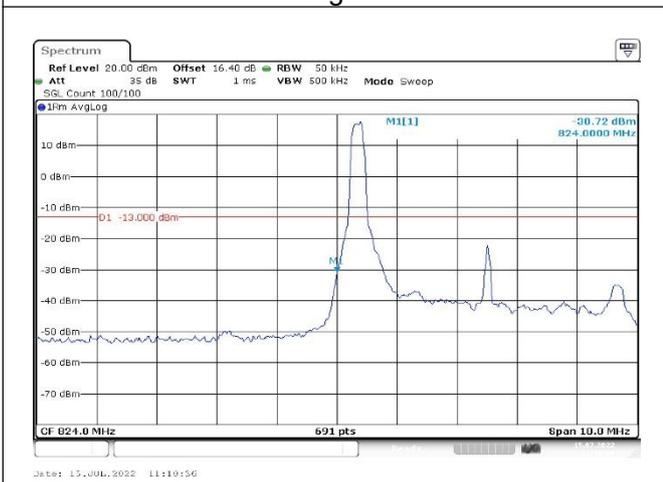


Fig.9

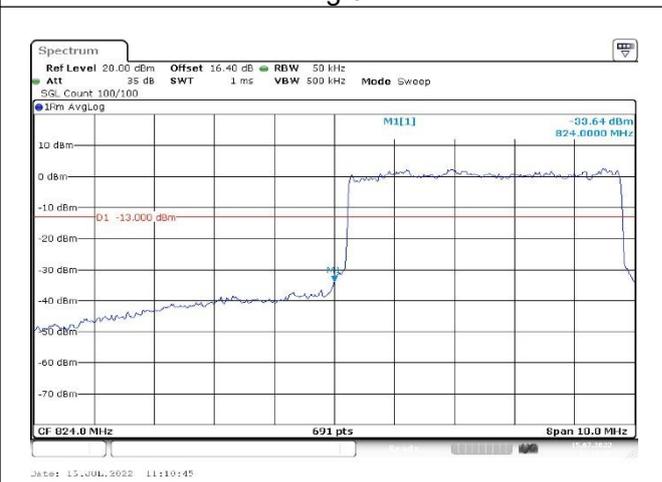


Fig.10

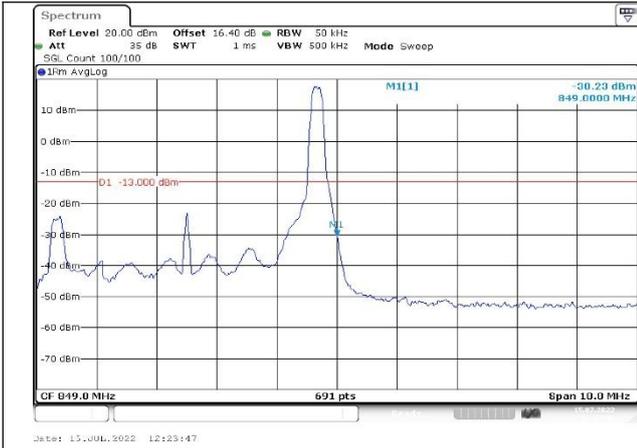


Fig.11

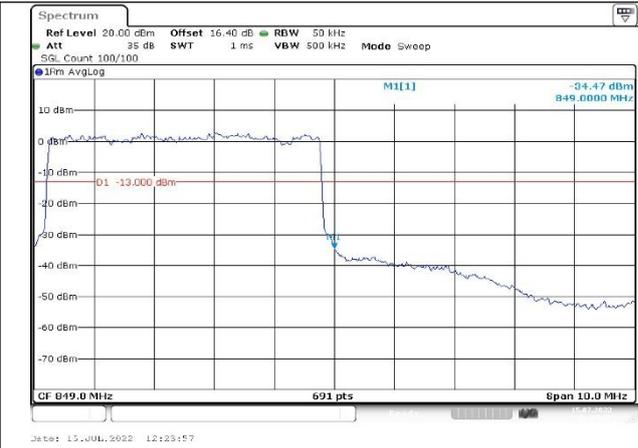


Fig.12

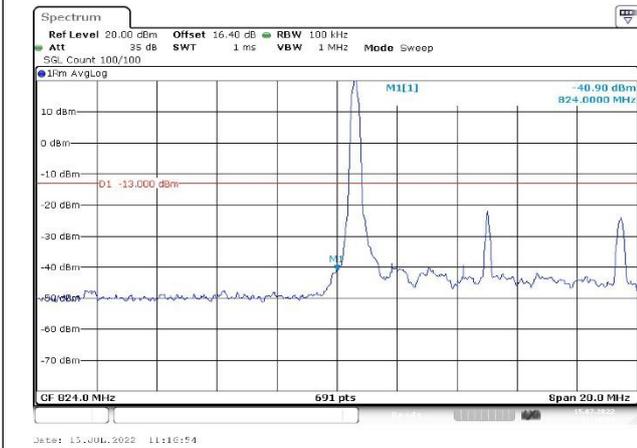


Fig.13



Fig.14

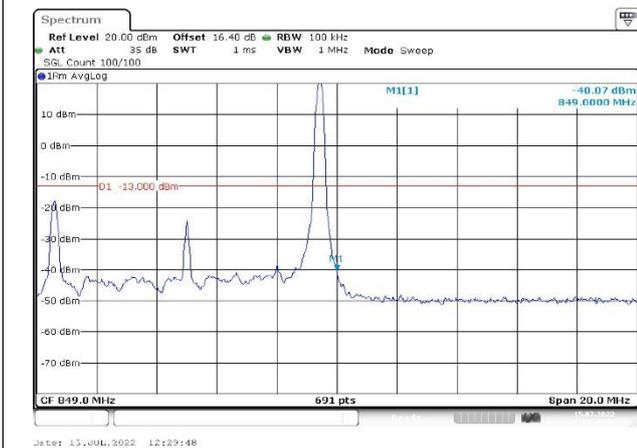


Fig.15



Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.021	-0.004	-0.016	-0.031
0	NV	-0.011	-0.009	-0.013	-0.003
+10	NV	-0.002	-0.006	-0.028	-0.002
+30	NV	-0.038	-0.005	0.026	0.023
+40	NV	-0.049	0.016	0.050	-0.009
+55	NV	0.020	0.021	0.031	0.028
+20	LV	-0.040	-0.027	-0.042	-0.037
+20	HV	-0.042	-0.007	0.008	-0.038

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.002	0.020	-0.017	-0.021
0	NV	-0.030	-0.021	-0.005	-0.020
+10	NV	-0.023	-0.023	-0.021	0.015
+30	NV	-0.008	0.025	-0.034	-0.007
+40	NV	-0.008	0.006	-0.014	-0.019
+55	NV	-0.017	0.013	0.011	0.013
+20	LV	-0.050	-0.041	-0.019	-0.026
+20	HV	-0.036	-0.031	0.027	-0.031

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	824.7	20407	1.4	1	0	23.68	18.13	0.065
16QAM	824.7	20407	1.4	1	3	23.76	18.21	0.066
16QAM	824.7	20407	1.4	1	5	23.74	18.19	0.066
16QAM	824.7	20407	1.4	3	0	23.83	18.28	0.067
16QAM	824.7	20407	1.4	3	1	23.80	18.25	0.067
16QAM	824.7	20407	1.4	3	3	23.76	18.21	0.066
16QAM	824.7	20407	1.4	6	0	22.83	17.28	0.053
16QAM	836.5	20525	1.4	1	0	23.94	18.39	0.069
16QAM	836.5	20525	1.4	1	3	23.95	18.40	0.069
16QAM	836.5	20525	1.4	1	5	24.01	18.46	0.070
16QAM	836.5	20525	1.4	3	0	23.61	18.06	0.064
16QAM	836.5	20525	1.4	3	1	23.67	18.12	0.065
16QAM	836.5	20525	1.4	3	3	23.59	18.04	0.064
16QAM	836.5	20525	1.4	6	0	22.68	17.13	0.052
16QAM	848.3	20643	1.4	1	0	23.87	18.32	0.068
16QAM	848.3	20643	1.4	1	3	23.92	18.37	0.069
16QAM	848.3	20643	1.4	1	5	23.92	18.37	0.069
16QAM	848.3	20643	1.4	3	0	23.41	17.86	0.061
16QAM	848.3	20643	1.4	3	1	23.42	17.87	0.061
16QAM	848.3	20643	1.4	3	3	23.43	17.88	0.061
16QAM	848.3	20643	1.4	6	0	22.56	17.01	0.050
64QAM	824.7	20407	1.4	1	0	22.65	17.10	0.051
64QAM	824.7	20407	1.4	1	3	22.56	17.01	0.050
64QAM	824.7	20407	1.4	1	5	22.60	17.05	0.051
64QAM	824.7	20407	1.4	3	0	22.81	17.26	0.053
64QAM	824.7	20407	1.4	3	1	22.76	17.21	0.053
64QAM	824.7	20407	1.4	3	3	22.70	17.15	0.052
64QAM	824.7	20407	1.4	6	0	21.68	16.13	0.041
64QAM	836.5	20525	1.4	1	0	22.20	16.65	0.046
64QAM	836.5	20525	1.4	1	3	22.21	16.66	0.046
64QAM	836.5	20525	1.4	1	5	22.28	16.73	0.047
64QAM	836.5	20525	1.4	3	0	22.37	16.82	0.048
64QAM	836.5	20525	1.4	3	1	22.43	16.88	0.049
64QAM	836.5	20525	1.4	3	3	22.36	16.81	0.048
64QAM	836.5	20525	1.4	6	0	21.52	15.97	0.040
64QAM	848.3	20643	1.4	1	0	21.99	16.44	0.044
64QAM	848.3	20643	1.4	1	3	21.96	16.41	0.044
64QAM	848.3	20643	1.4	1	5	21.99	16.44	0.044
64QAM	848.3	20643	1.4	3	0	21.99	16.44	0.044
64QAM	848.3	20643	1.4	3	1	22.31	16.76	0.047
64QAM	848.3	20643	1.4	3	3	22.03	16.48	0.044
64QAM	848.3	20643	1.4	6	0	21.60	16.05	0.040

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	824.7	20407	1.4	1	0	23.94	18.39	0.069
QPSK	824.7	20407	1.4	1	3	24.01	18.46	0.070
QPSK	824.7	20407	1.4	1	5	24.07	18.52	0.071
QPSK	824.7	20407	1.4	3	0	24.01	18.46	0.070
QPSK	824.7	20407	1.4	3	1	24.04	18.49	0.071
QPSK	824.7	20407	1.4	3	3	23.98	18.43	0.070
QPSK	824.7	20407	1.4	6	0	23.58	18.03	0.064
QPSK	836.5	20525	1.4	1	0	24.04	18.49	0.071
QPSK	836.5	20525	1.4	1	3	24.08	18.53	0.071
QPSK	836.5	20525	1.4	1	5	23.96	18.41	0.069
QPSK	836.5	20525	1.4	3	0	23.93	18.38	0.069
QPSK	836.5	20525	1.4	3	1	24.01	18.46	0.070
QPSK	836.5	20525	1.4	3	3	23.91	18.36	0.069
QPSK	836.5	20525	1.4	6	0	23.40	17.85	0.061
QPSK	848.3	20643	1.4	1	0	23.92	18.37	0.069
QPSK	848.3	20643	1.4	1	3	23.78	18.23	0.067
QPSK	848.3	20643	1.4	1	5	23.96	18.41	0.069
QPSK	848.3	20643	1.4	3	0	23.91	18.36	0.069
QPSK	848.3	20643	1.4	3	1	23.90	18.35	0.068
QPSK	848.3	20643	1.4	3	3	23.81	18.26	0.067
QPSK	848.3	20643	1.4	6	0	23.39	17.84	0.061

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	825.5	20415	3	1	0	24.12	18.57	0.072
16QAM	825.5	20415	3	1	8	24.07	18.52	0.071
16QAM	825.5	20415	3	1	14	24.16	18.61	0.073
16QAM	825.5	20415	3	8	0	22.76	17.21	0.053
16QAM	825.5	20415	3	8	4	22.67	17.12	0.052
16QAM	825.5	20415	3	8	7	22.74	17.19	0.052
16QAM	825.5	20415	3	15	0	22.58	17.03	0.050
16QAM	836.5	20525	3	1	0	23.24	17.69	0.059
16QAM	836.5	20525	3	1	8	23.88	18.33	0.068
16QAM	836.5	20525	3	1	14	24.18	18.63	0.073
16QAM	836.5	20525	3	8	0	22.97	17.42	0.055
16QAM	836.5	20525	3	8	4	22.51	16.96	0.050
16QAM	836.5	20525	3	8	7	22.61	17.06	0.051
16QAM	836.5	20525	3	15	0	22.47	16.92	0.049
16QAM	847.5	20635	3	1	0	24.17	18.62	0.073
16QAM	847.5	20635	3	1	8	23.42	17.87	0.061
16QAM	847.5	20635	3	1	14	23.43	17.88	0.061
16QAM	847.5	20635	3	8	0	22.40	16.85	0.048
16QAM	847.5	20635	3	8	4	22.26	16.71	0.047
16QAM	847.5	20635	3	8	7	22.22	16.67	0.046
16QAM	847.5	20635	3	15	0	22.32	16.77	0.048
64QAM	825.5	20415	3	1	0	22.36	16.81	0.048
64QAM	825.5	20415	3	1	8	22.39	16.84	0.048
64QAM	825.5	20415	3	1	14	22.39	16.84	0.048
64QAM	825.5	20415	3	8	0	21.56	16.01	0.040
64QAM	825.5	20415	3	8	4	21.58	16.03	0.040
64QAM	825.5	20415	3	8	7	21.60	16.05	0.040
64QAM	825.5	20415	3	15	0	21.72	16.17	0.041
64QAM	836.5	20525	3	1	0	23.29	17.74	0.059
64QAM	836.5	20525	3	1	8	22.93	17.38	0.055
64QAM	836.5	20525	3	1	14	22.84	17.29	0.054
64QAM	836.5	20525	3	8	0	21.81	16.26	0.042
64QAM	836.5	20525	3	8	4	21.63	16.08	0.041
64QAM	836.5	20525	3	8	7	21.56	16.01	0.040
64QAM	836.5	20525	3	15	0	21.70	16.15	0.041
64QAM	847.5	20635	3	1	0	22.78	17.23	0.053
64QAM	847.5	20635	3	1	8	22.79	17.24	0.053
64QAM	847.5	20635	3	1	14	22.79	17.24	0.053
64QAM	847.5	20635	3	8	0	21.35	15.80	0.038
64QAM	847.5	20635	3	8	4	21.20	15.65	0.037
64QAM	847.5	20635	3	8	7	21.24	15.69	0.037
64QAM	847.5	20635	3	15	0	21.31	15.76	0.038

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	24.24	18.69	0.074
QPSK	825.5	20415	3	1	8	24.32	18.77	0.075
QPSK	825.5	20415	3	1	14	24.37	18.82	0.076
QPSK	825.5	20415	3	8	0	23.55	18.00	0.063
QPSK	825.5	20415	3	8	4	23.61	18.06	0.064
QPSK	825.5	20415	3	8	7	23.56	18.01	0.063
QPSK	825.5	20415	3	15	0	23.54	17.99	0.063
QPSK	836.5	20525	3	1	0	23.75	18.20	0.066
QPSK	836.5	20525	3	1	8	23.85	18.30	0.068
QPSK	836.5	20525	3	1	14	23.80	18.25	0.067
QPSK	836.5	20525	3	8	0	23.23	17.68	0.059
QPSK	836.5	20525	3	8	4	23.23	17.68	0.059
QPSK	836.5	20525	3	8	7	23.17	17.62	0.058
QPSK	836.5	20525	3	15	0	23.21	17.66	0.058
QPSK	847.5	20635	3	1	0	23.85	18.30	0.068
QPSK	847.5	20635	3	1	8	23.79	18.24	0.067
QPSK	847.5	20635	3	1	14	23.72	18.17	0.066
QPSK	847.5	20635	3	8	0	23.35	17.80	0.060
QPSK	847.5	20635	3	8	4	23.30	17.75	0.060
QPSK	847.5	20635	3	8	7	23.26	17.71	0.059
QPSK	847.5	20635	3	15	0	23.36	17.81	0.060

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	826.5	20425	5	1	0	23.09	17.54	0.057
16QAM	826.5	20425	5	1	12	23.16	17.61	0.058
16QAM	826.5	20425	5	1	24	23.06	17.51	0.056
16QAM	826.5	20425	5	12	0	22.48	16.93	0.049
16QAM	826.5	20425	5	12	7	22.47	16.92	0.049
16QAM	826.5	20425	5	12	13	22.37	16.82	0.048
16QAM	826.5	20425	5	25	0	22.62	17.07	0.051
16QAM	836.5	20525	5	1	0	22.900	17.35	0.054
16QAM	836.5	20525	5	1	12	22.69	17.14	0.052
16QAM	836.5	20525	5	1	24	22.70	17.15	0.052
16QAM	836.5	20525	5	12	0	22.67	17.12	0.052
16QAM	836.5	20525	5	12	7	22.26	16.71	0.047
16QAM	836.5	20525	5	12	13	22.07	16.52	0.045
16QAM	836.5	20525	5	25	0	22.44	16.89	0.049
16QAM	846.5	20625	5	1	0	24.07	18.52	0.071
16QAM	846.5	20625	5	1	12	23.96	18.41	0.069
16QAM	846.5	20625	5	1	24	23.99	18.44	0.070
16QAM	846.5	20625	5	12	0	22.45	16.90	0.049
16QAM	846.5	20625	5	12	7	22.38	16.83	0.048
16QAM	846.5	20625	5	12	13	22.35	16.80	0.048
16QAM	846.5	20625	5	25	0	22.26	16.71	0.047
64QAM	826.5	20425	5	1	0	22.10	16.55	0.045
64QAM	826.5	20425	5	1	12	22.09	16.54	0.045
64QAM	826.5	20425	5	1	24	22.26	16.71	0.047
64QAM	826.5	20425	5	12	0	21.87	16.32	0.043
64QAM	826.5	20425	5	12	7	21.52	15.97	0.040
64QAM	826.5	20425	5	12	13	21.50	15.95	0.039
64QAM	826.5	20425	5	25	0	21.54	15.99	0.040
64QAM	836.5	20525	5	1	0	22.36	16.81	0.048
64QAM	836.5	20525	5	1	12	22.01	16.46	0.044
64QAM	836.5	20525	5	1	24	21.98	16.43	0.044
64QAM	836.5	20525	5	12	0	21.89	16.34	0.043
64QAM	836.5	20525	5	12	7	21.61	16.06	0.040
64QAM	836.5	20525	5	12	13	21.81	16.26	0.042
64QAM	836.5	20525	5	25	0	21.72	16.17	0.041
64QAM	846.5	20625	5	1	0	23.40	17.85	0.061
64QAM	846.5	20625	5	1	12	23.39	17.84	0.061
64QAM	846.5	20625	5	1	24	23.51	17.96	0.063
64QAM	846.5	20625	5	12	0	21.38	15.83	0.038
64QAM	846.5	20625	5	12	7	21.24	15.69	0.037
64QAM	846.5	20625	5	12	13	21.34	15.79	0.038
64QAM	846.5	20625	5	25	0	21.37	15.82	0.038

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	20425	5	1	0	24.05	18.50	0.071
QPSK	826.5	20425	5	1	12	23.93	18.38	0.069
QPSK	826.5	20425	5	1	24	23.9	18.35	0.068
QPSK	826.5	20425	5	12	0	23.38	17.83	0.061
QPSK	826.5	20425	5	12	7	23.4	17.85	0.061
QPSK	826.5	20425	5	12	13	23.34	17.79	0.060
QPSK	826.5	20425	5	25	0	23.37	17.82	0.061
QPSK	836.5	20525	5	1	0	23.94	18.39	0.069
QPSK	836.5	20525	5	1	12	23.89	18.34	0.068
QPSK	836.5	20525	5	1	24	23.77	18.22	0.066
QPSK	836.5	20525	5	12	0	23.25	17.70	0.059
QPSK	836.5	20525	5	12	7	23.24	17.69	0.059
QPSK	836.5	20525	5	12	13	23.20	17.65	0.058
QPSK	836.5	20525	5	25	0	23.24	17.69	0.059
QPSK	846.5	20625	5	1	0	23.74	18.19	0.066
QPSK	846.5	20625	5	1	12	23.83	18.28	0.067
QPSK	846.5	20625	5	1	24	23.89	18.34	0.068
QPSK	846.5	20625	5	12	0	23.33	17.78	0.060
QPSK	846.5	20625	5	12	7	23.31	17.76	0.060
QPSK	846.5	20625	5	12	13	23.35	17.80	0.060
QPSK	846.5	20625	5	25	0	23.39	17.84	0.061

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	829	20450	10	1	0	24.23	18.68	0.074
16QAM	829	20450	10	1	25	24.35	18.80	0.076
16QAM	829	20450	10	1	49	24.33	18.78	0.076
16QAM	829	20450	10	25	0	22.56	17.01	0.050
16QAM	829	20450	10	25	12	22.58	17.03	0.050
16QAM	829	20450	10	25	25	22.64	17.09	0.051
16QAM	829	20450	10	50	0	22.59	17.04	0.051
16QAM	836.5	20525	10	1	0	23.68	18.13	0.065
16QAM	836.5	20525	10	1	25	23.37	17.82	0.061
16QAM	836.5	20525	10	1	49	23.23	17.68	0.059
16QAM	836.5	20525	10	25	0	22.9	17.35	0.054
16QAM	836.5	20525	10	25	12	22.41	16.86	0.049
16QAM	836.5	20525	10	25	25	22.22	16.67	0.046
16QAM	836.5	20525	10	50	0	22.43	16.88	0.049
16QAM	844	20600	10	1	0	23.97	18.42	0.070
16QAM	844	20600	10	1	25	24.04	18.49	0.071
16QAM	844	20600	10	1	49	24.16	18.61	0.073
16QAM	844	20600	10	25	0	22.19	16.64	0.046
16QAM	844	20600	10	25	12	22.20	16.65	0.046
16QAM	844	20600	10	25	25	22.42	16.87	0.049
16QAM	844	20600	10	50	0	22.06	16.51	0.045
64QAM	829	20450	10	1	0	22.99	17.44	0.055
64QAM	829	20450	10	1	25	23.13	17.58	0.057
64QAM	829	20450	10	1	49	23.06	17.51	0.056
64QAM	829	20450	10	25	0	21.53	15.98	0.040
64QAM	829	20450	10	25	12	21.36	15.81	0.038
64QAM	829	20450	10	25	25	21.49	15.94	0.039
64QAM	829	20450	10	50	0	21.56	16.01	0.040
64QAM	836.5	20525	10	1	0	23.08	17.53	0.057
64QAM	836.5	20525	10	1	25	22.83	17.28	0.053
64QAM	836.5	20525	10	1	49	22.95	17.40	0.055
64QAM	836.5	20525	10	25	0	21.81	16.26	0.042
64QAM	836.5	20525	10	25	12	21.62	16.07	0.040
64QAM	836.5	20525	10	25	25	21.25	15.70	0.037
64QAM	836.5	20525	10	50	0	21.72	16.17	0.041
64QAM	844	20600	10	1	0	22.71	17.16	0.052
64QAM	844	20600	10	1	25	22.66	17.11	0.051
64QAM	844	20600	10	1	49	22.95	17.40	0.055
64QAM	844	20600	10	25	0	21.15	15.60	0.036
64QAM	844	20600	10	25	12	21.06	15.51	0.036
64QAM	844	20600	10	25	25	21.41	15.86	0.039
64QAM	844	20600	10	50	0	21.13	15.58	0.036

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	23.96	18.41	0.069
QPSK	829	20450	10	1	25	23.99	18.44	0.070
QPSK	829	20450	10	1	49	24.01	18.46	0.070
QPSK	829	20450	10	25	0	23.52	17.97	0.063
QPSK	829	20450	10	25	12	23.44	17.89	0.062
QPSK	829	20450	10	25	25	23.54	17.99	0.063
QPSK	829	20450	10	50	0	23.41	17.86	0.061
QPSK	836.5	20525	10	1	0	24.06	18.51	0.071
QPSK	836.5	20525	10	1	25	23.83	18.28	0.067
QPSK	836.5	20525	10	1	49	23.66	18.11	0.065
QPSK	836.5	20525	10	25	0	23.24	17.69	0.059
QPSK	836.5	20525	10	25	12	23.26	17.71	0.059
QPSK	836.5	20525	10	25	25	23.16	17.61	0.058
QPSK	836.5	20525	10	50	0	23.23	17.68	0.059
QPSK	844	20600	10	1	0	23.68	18.13	0.065
QPSK	844	20600	10	1	25	23.66	18.11	0.065
QPSK	844	20600	10	1	49	23.75	18.20	0.066
QPSK	844	20600	10	25	0	23.12	17.57	0.057
QPSK	844	20600	10	25	12	23.11	17.56	0.057
QPSK	844	20600	10	25	25	23.41	17.86	0.061
QPSK	844	20600	10	50	0	22.98	17.43	0.055