

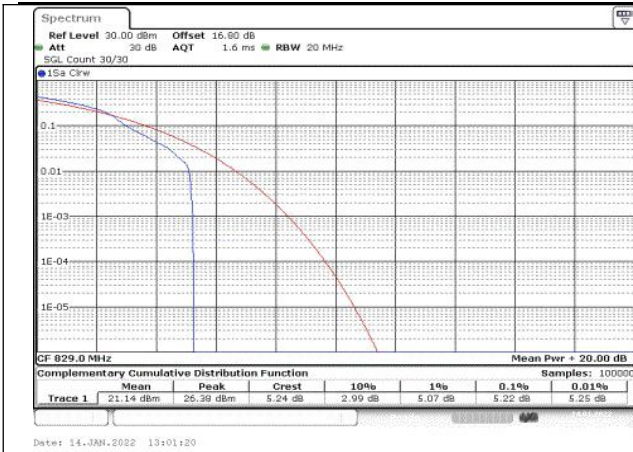


Fig.55

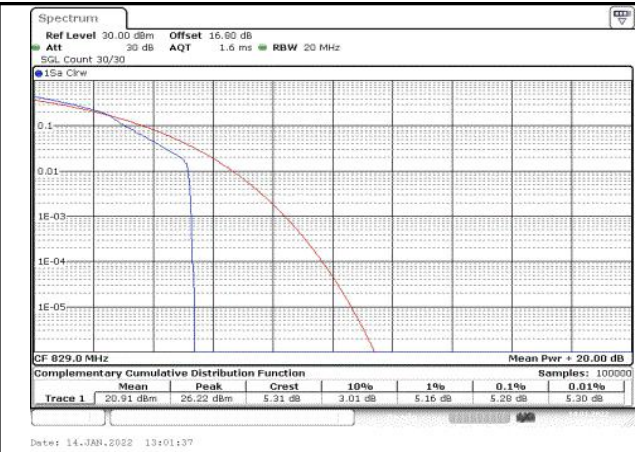


Fig.56

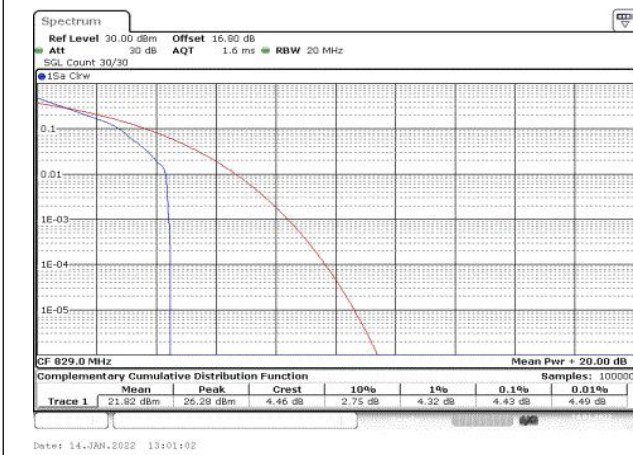


Fig.57

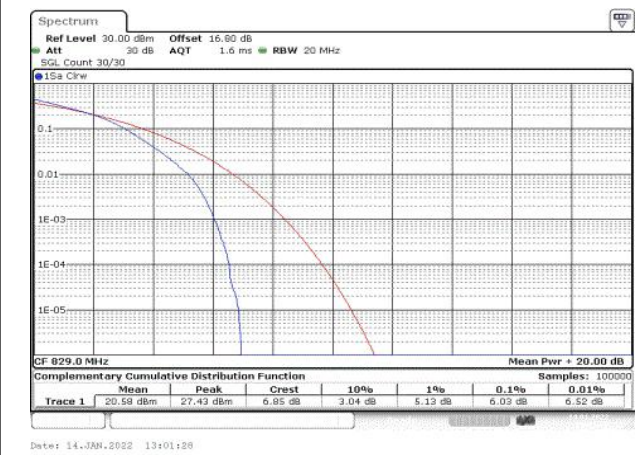


Fig.58

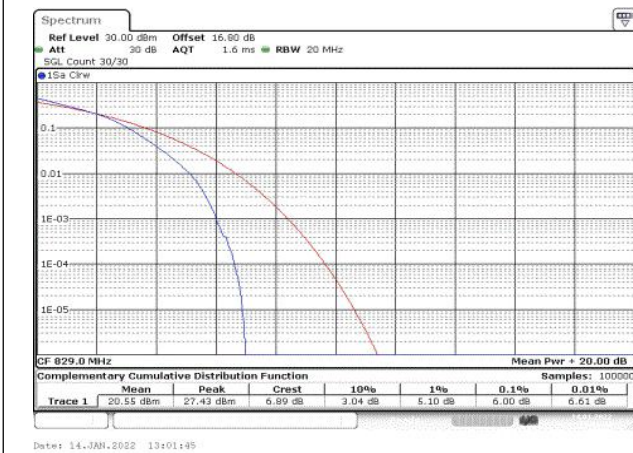


Fig.59

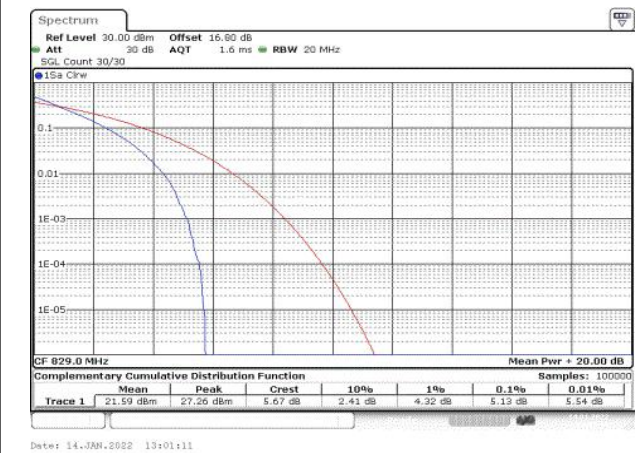


Fig.60

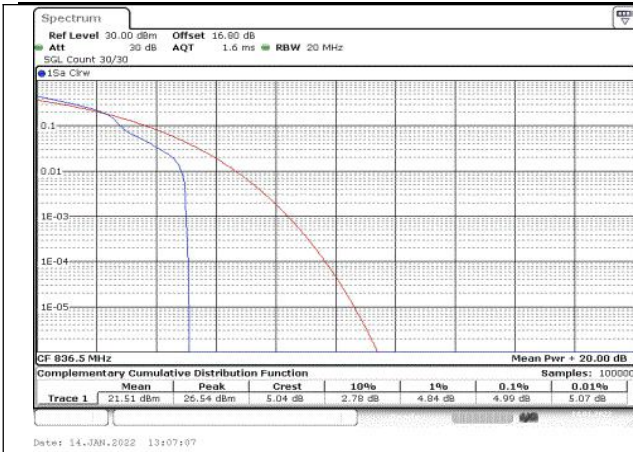


Fig.61

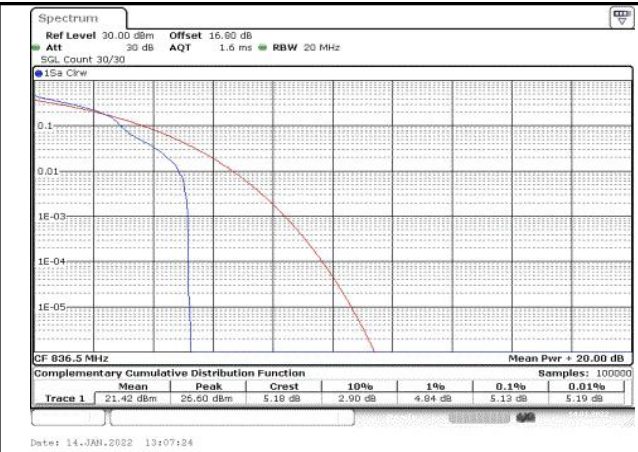


Fig.62

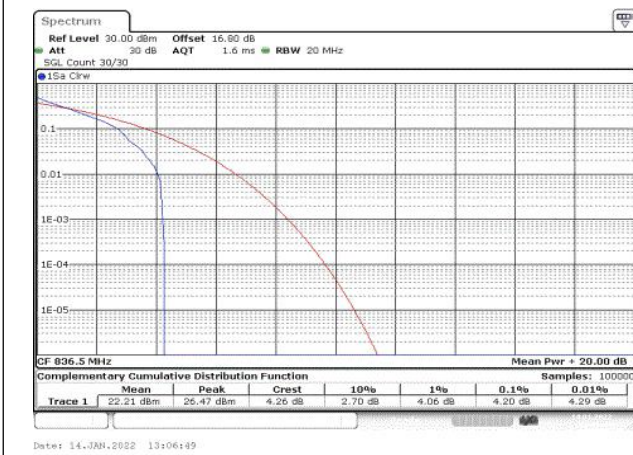


Fig.63

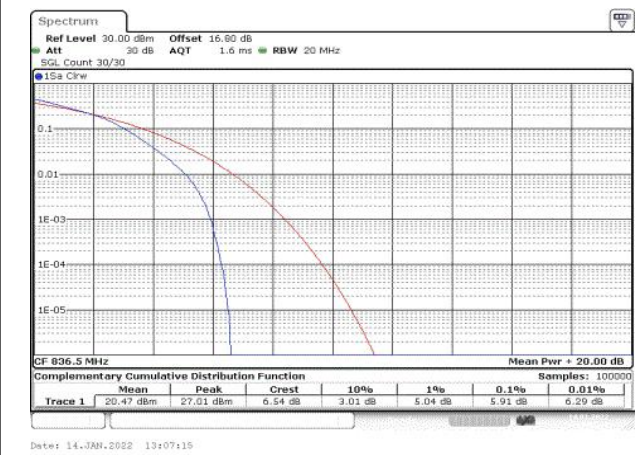


Fig.64

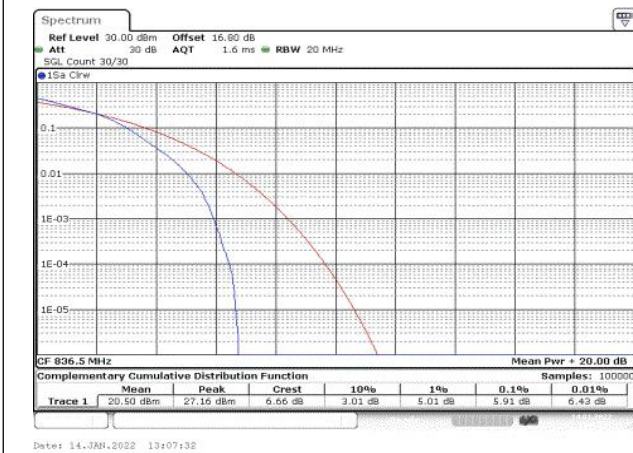


Fig.65

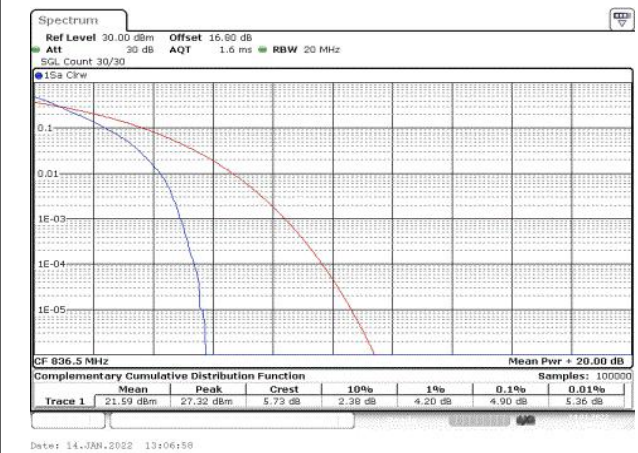


Fig.66

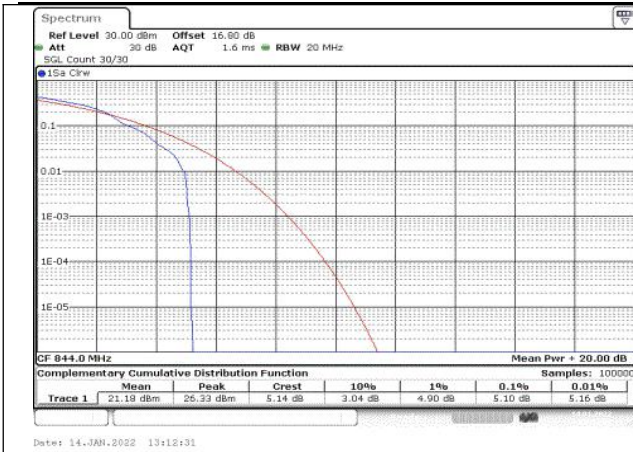


Fig.67

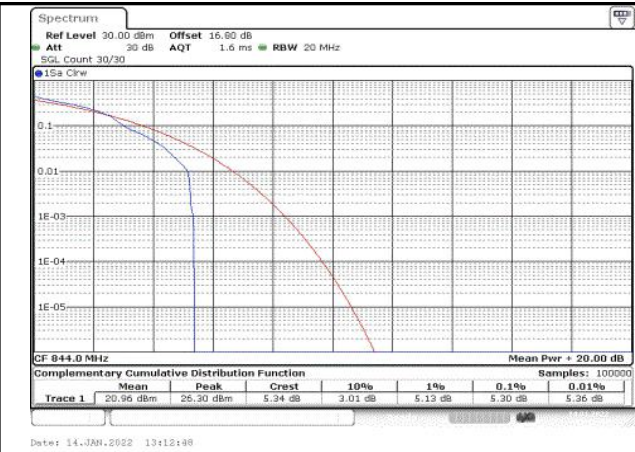


Fig.68

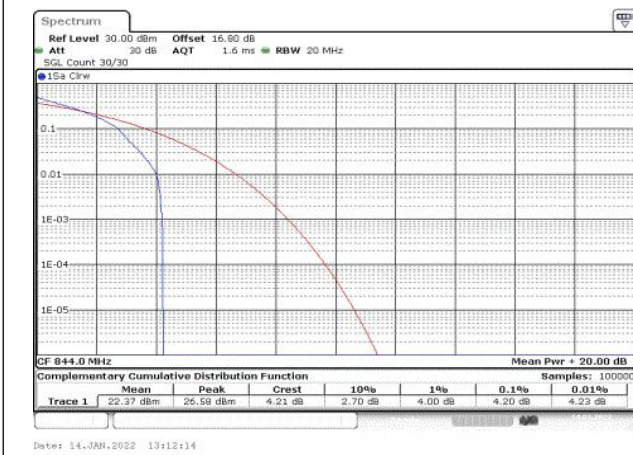


Fig.69

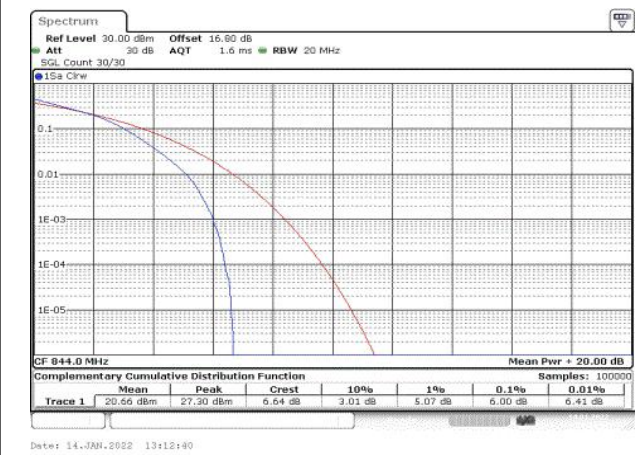


Fig.70

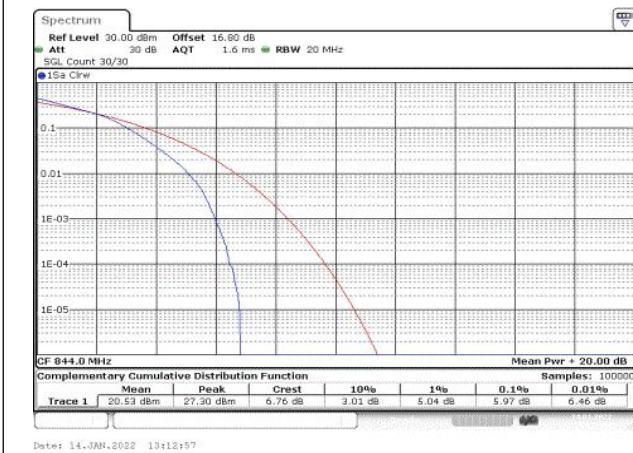


Fig.71

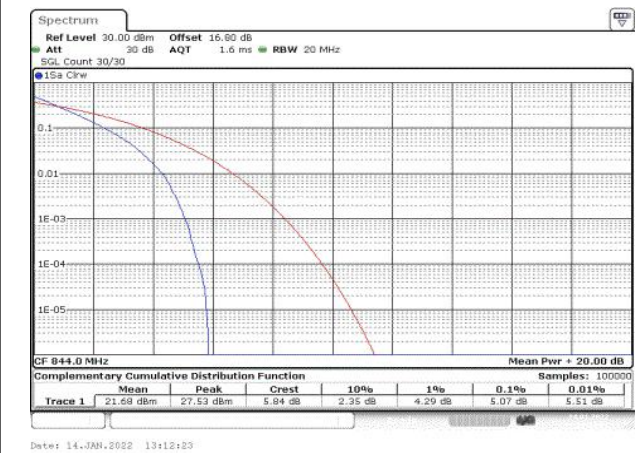


Fig.72

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

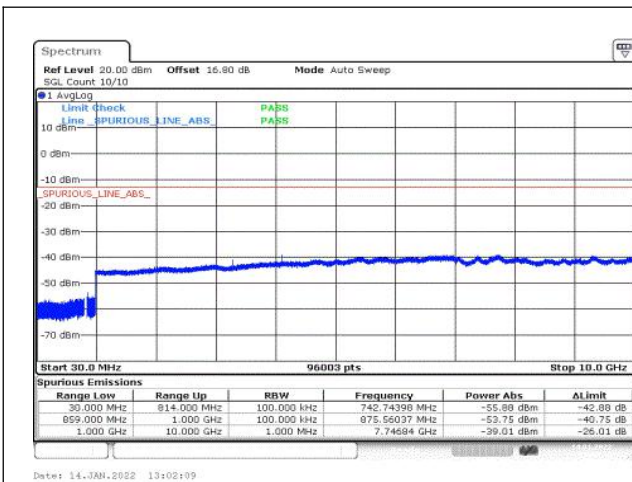


Fig.1

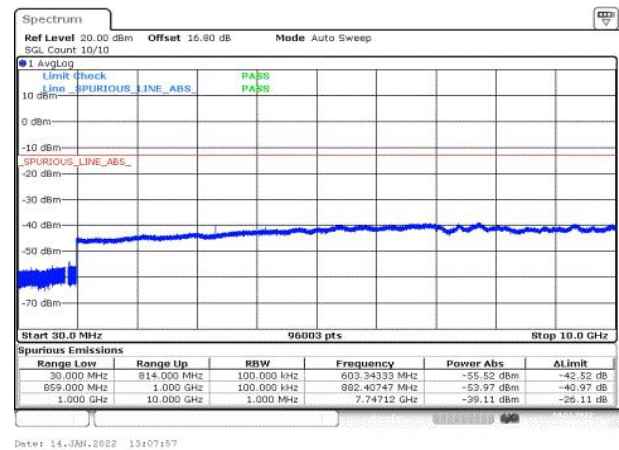


Fig.2

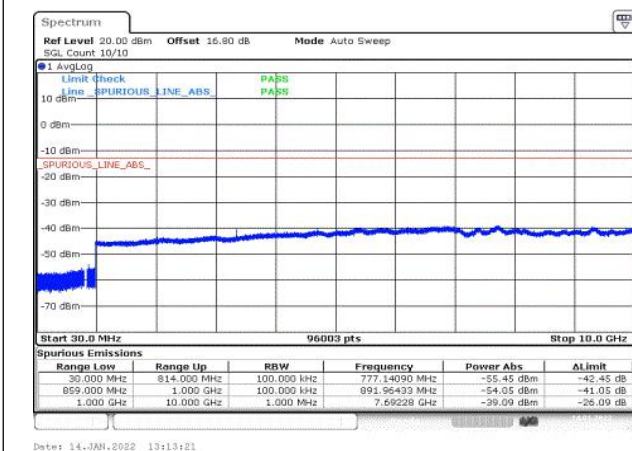
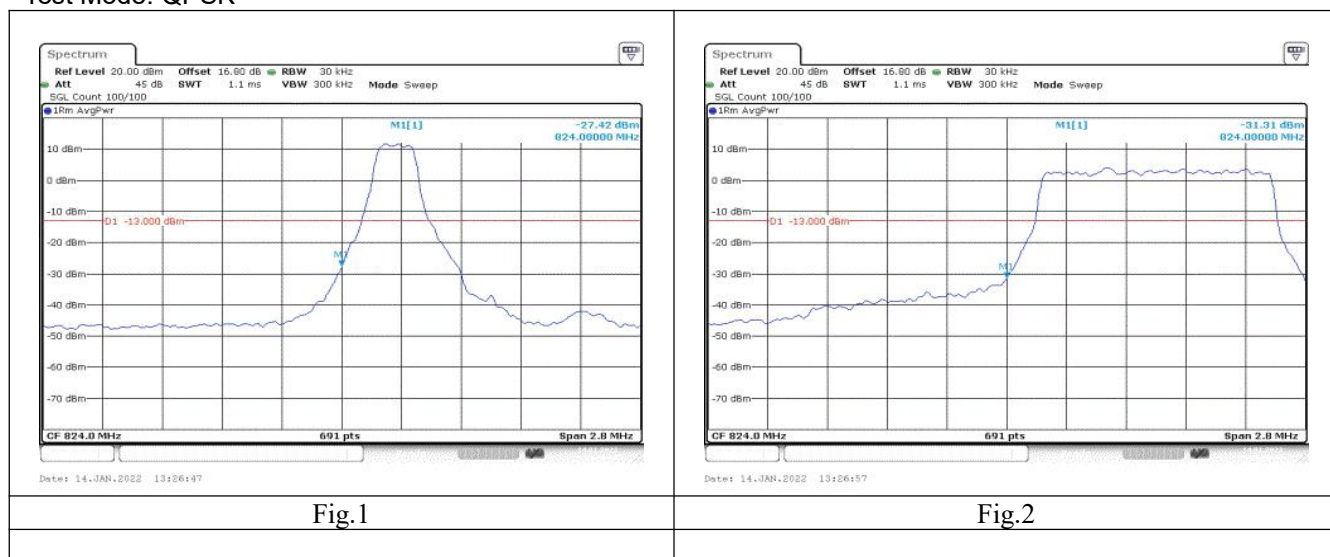


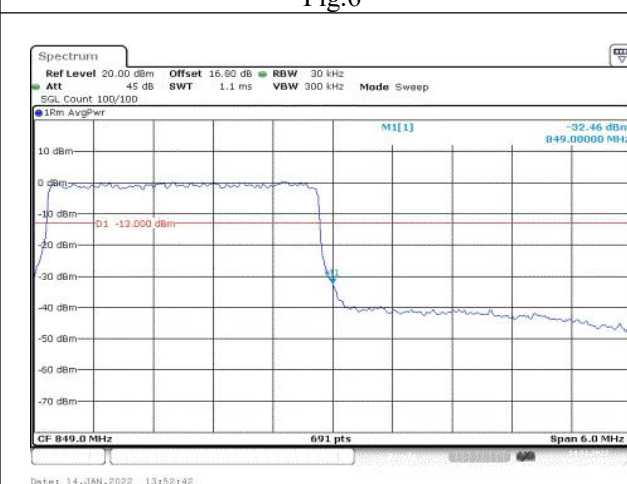
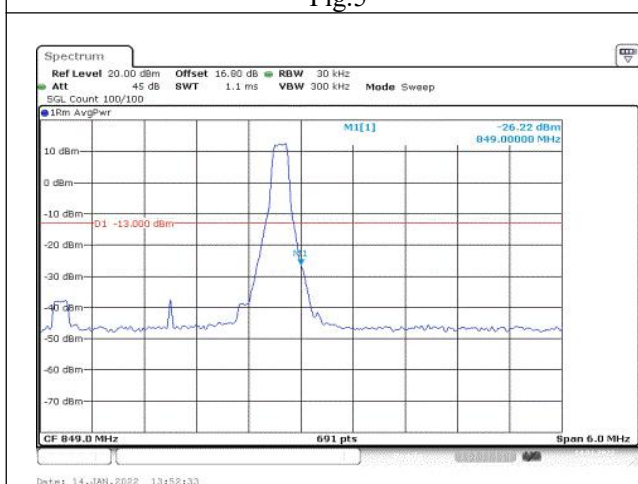
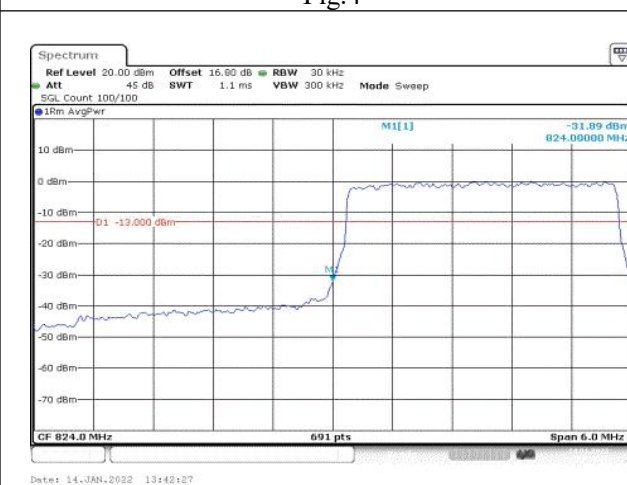
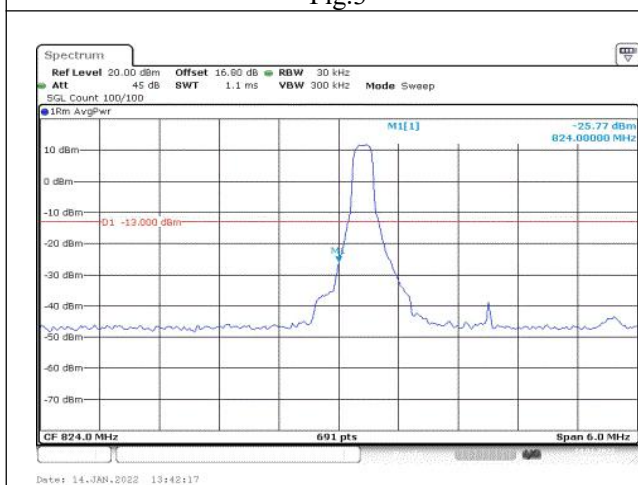
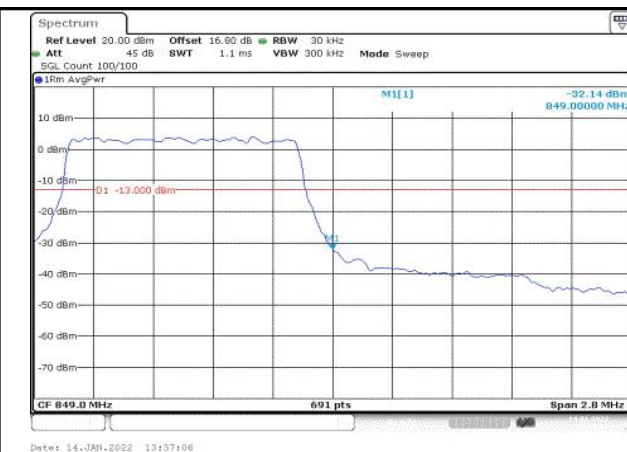
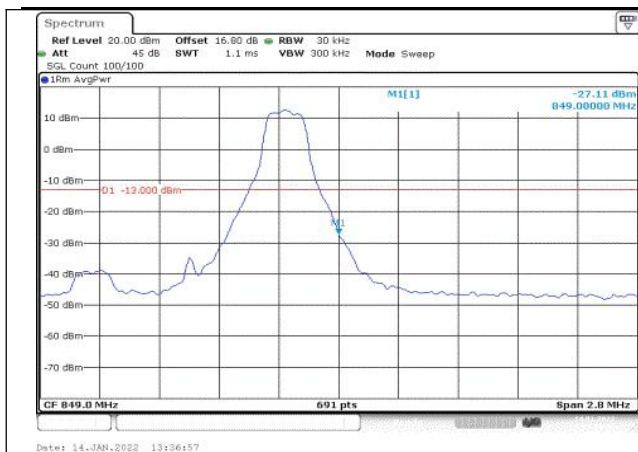
Fig.3

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





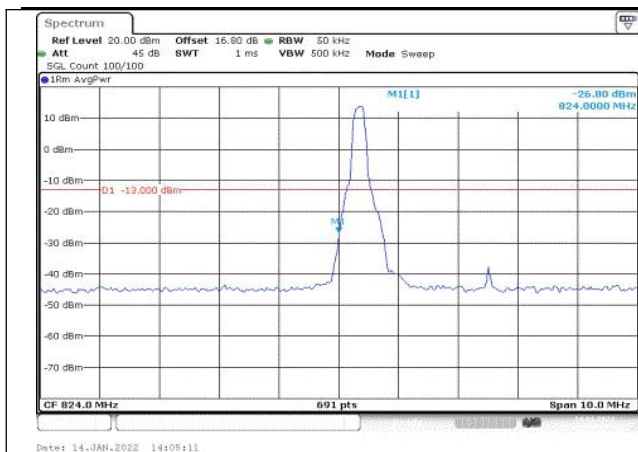


Fig.9

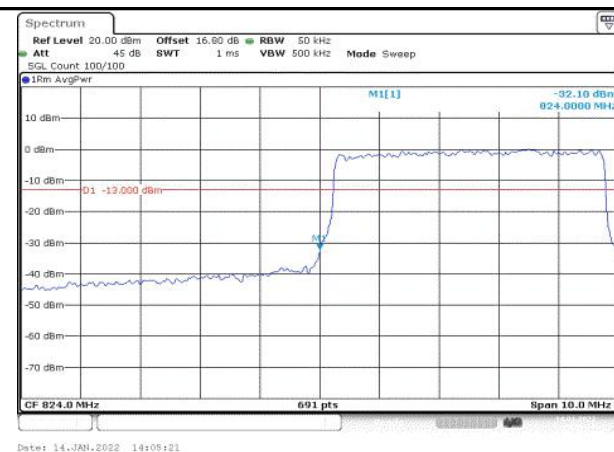


Fig.10

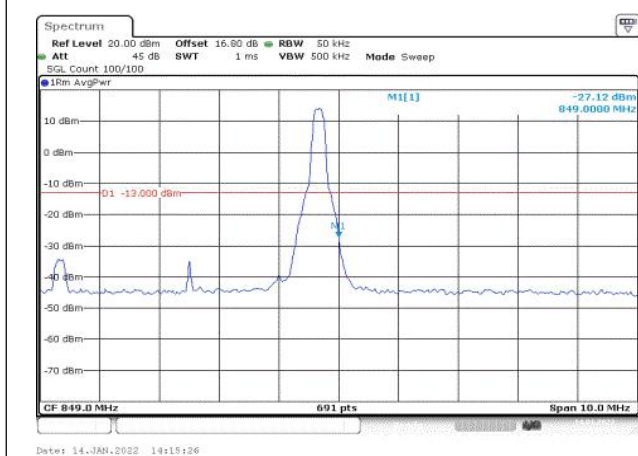


Fig.11

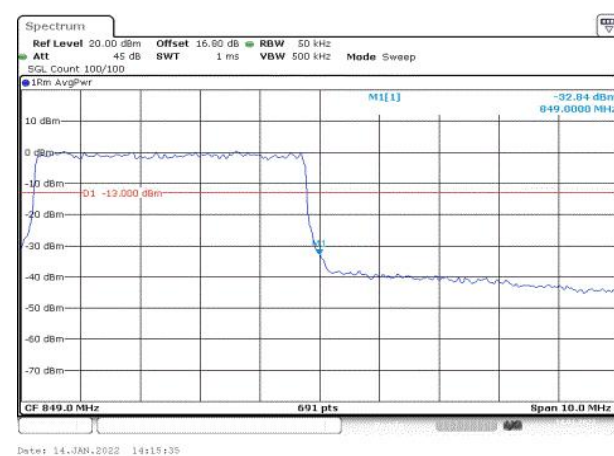


Fig.12

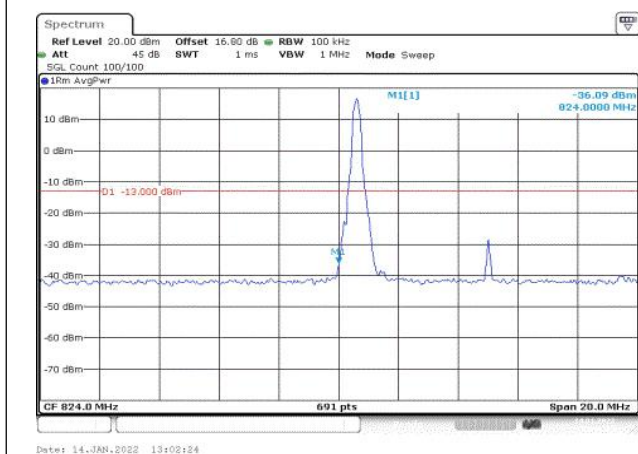


Fig.13

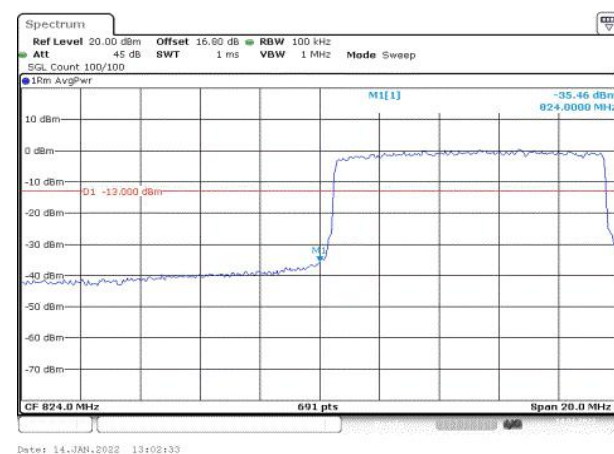


Fig.14

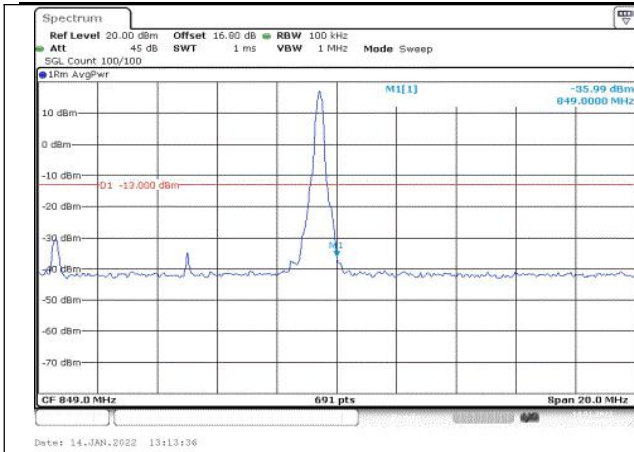


Fig.15



Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.001	0.002	-1.209	0.002
0	NV	-0.002	0.001	-0.002	0.000
+10	NV	-0.003	0.001	-0.001	0.001
+30	NV	-0.003	-0.001	-1.209	-0.002
+40	NV	-0.002	-0.001	-1.209	-0.001
+50	NV	-0.002	0.001	-1.209	-1.205
+20	LV	0.001	0.002	-0.002	0.002
+20	HV	-0.002	-0.002	-0.002	-0.001

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.000	0.000	0.003	0.003
0	NV	-0.001	-0.001	0.001	0.001
+10	NV	-0.001	-0.002	0.001	0.001
+30	NV	-0.001	-0.004	-0.001	-0.002
+40	NV	-0.001	-0.004	-0.001	-0.002
+50	NV	-0.003	-0.004	0.001	-0.004
+20	LV	-0.001	-0.002	-0.001	-0.001
+20	HV	-0.002	-0.004	-0.003	-0.003

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	21.70	19.35	0.086
16QAM	824.7	20407	1.4	1	3	22.04	19.69	0.093
16QAM	824.7	20407	1.4	1	5	21.97	19.62	0.092
16QAM	824.7	20407	1.4	3	0	22.04	19.69	0.093
16QAM	824.7	20407	1.4	3	1	22.07	19.72	0.094
16QAM	824.7	20407	1.4	3	3	21.87	19.52	0.090
16QAM	824.7	20407	1.4	6	0	20.86	18.51	0.071
16QAM	836.5	20525	1.4	1	0	22.52	20.17	0.104
16QAM	836.5	20525	1.4	1	3	22.41	20.06	0.101
16QAM	836.5	20525	1.4	1	5	22.42	20.07	0.102
16QAM	836.5	20525	1.4	3	0	21.96	19.61	0.091
16QAM	836.5	20525	1.4	3	1	22.03	19.68	0.093
16QAM	836.5	20525	1.4	3	3	22.07	19.72	0.094
16QAM	836.5	20525	1.4	6	0	21.29	18.94	0.078
16QAM	848.3	20643	1.4	1	0	22.23	19.88	0.097
16QAM	848.3	20643	1.4	1	3	22.21	19.86	0.097
16QAM	848.3	20643	1.4	1	5	22.29	19.94	0.099
16QAM	848.3	20643	1.4	3	0	22.01	19.66	0.092
16QAM	848.3	20643	1.4	3	1	22.04	19.69	0.093
16QAM	848.3	20643	1.4	3	3	22.02	19.67	0.093
16QAM	848.3	20643	1.4	6	0	21.24	18.89	0.077
64QAM	824.7	20407	1.4	1	0	22.06	19.71	0.094
64QAM	824.7	20407	1.4	1	3	22.32	19.97	0.099
64QAM	824.7	20407	1.4	1	5	22.20	19.85	0.097
64QAM	824.7	20407	1.4	3	0	22.05	19.70	0.093
64QAM	824.7	20407	1.4	3	1	22.08	19.73	0.094
64QAM	824.7	20407	1.4	3	3	21.99	19.64	0.092
64QAM	824.7	20407	1.4	6	0	20.76	18.41	0.069
64QAM	836.5	20525	1.4	1	0	22.38	20.03	0.101
64QAM	836.5	20525	1.4	1	3	22.51	20.16	0.104
64QAM	836.5	20525	1.4	1	5	22.46	20.11	0.103
64QAM	836.5	20525	1.4	3	0	22.02	19.67	0.093
64QAM	836.5	20525	1.4	3	1	22.09	19.74	0.094
64QAM	836.5	20525	1.4	3	3	22.14	19.79	0.095
64QAM	836.5	20525	1.4	6	0	21.12	18.77	0.075
64QAM	848.3	20643	1.4	1	0	22.11	19.76	0.095
64QAM	848.3	20643	1.4	1	3	22.28	19.93	0.098
64QAM	848.3	20643	1.4	1	5	22.31	19.96	0.099
64QAM	848.3	20643	1.4	3	0	22.21	19.86	0.097
64QAM	848.3	20643	1.4	3	1	22.23	19.88	0.097
64QAM	848.3	20643	1.4	3	3	22.08	19.73	0.094

64QAM	848.3	20643	1.4	6	0	20.88	18.53	0.071
-------	-------	-------	-----	---	---	-------	-------	-------

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	23.09	20.74	0.119
QPSK	824.7	20407	1.4	1	3	23.11	20.76	0.119
QPSK	824.7	20407	1.4	1	5	22.85	20.50	0.112
QPSK	824.7	20407	1.4	3	0	23.01	20.66	0.116
QPSK	824.7	20407	1.4	3	1	22.91	20.56	0.114
QPSK	824.7	20407	1.4	3	3	22.85	20.50	0.112
QPSK	824.7	20407	1.4	6	0	22.07	19.72	0.094
QPSK	836.5	20525	1.4	1	0	22.98	20.63	0.116
QPSK	836.5	20525	1.4	1	3	23.20	20.85	0.122
QPSK	836.5	20525	1.4	1	5	23.14	20.79	0.120
QPSK	836.5	20525	1.4	3	0	23.11	20.76	0.119
QPSK	836.5	20525	1.4	3	1	23.16	20.81	0.121
QPSK	836.5	20525	1.4	3	3	23.10	20.75	0.119
QPSK	836.5	20525	1.4	6	0	22.21	19.86	0.097
QPSK	848.3	20643	1.4	1	0	23.08	20.73	0.118
QPSK	848.3	20643	1.4	1	3	23.23	20.88	0.122
QPSK	848.3	20643	1.4	1	5	23.21	20.86	0.122
QPSK	848.3	20643	1.4	3	0	23.13	20.78	0.120
QPSK	848.3	20643	1.4	3	1	22.97	20.62	0.115
QPSK	848.3	20643	1.4	3	3	22.95	20.60	0.115
QPSK	848.3	20643	1.4	6	0	22.09	19.74	0.094

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	22.31	19.96	0.099
16QAM	825.5	20415	3	1	8	22.99	20.64	0.116
16QAM	825.5	20415	3	1	14	22.51	20.16	0.104
16QAM	825.5	20415	3	8	0	21.31	18.96	0.079
16QAM	825.5	20415	3	8	4	21.35	19.00	0.079
16QAM	825.5	20415	3	8	7	21.27	18.92	0.078
16QAM	825.5	20415	3	15	0	21.06	18.71	0.074
16QAM	836.5	20525	3	1	0	22.31	19.96	0.099
16QAM	836.5	20525	3	1	8	22.47	20.12	0.103
16QAM	836.5	20525	3	1	14	22.53	20.18	0.104
16QAM	836.5	20525	3	8	0	20.88	18.53	0.071
16QAM	836.5	20525	3	8	4	20.98	18.63	0.073
16QAM	836.5	20525	3	8	7	21.23	18.88	0.077
16QAM	836.5	20525	3	15	0	21.02	18.67	0.074
16QAM	847.5	20635	3	1	0	22.21	19.86	0.097
16QAM	847.5	20635	3	1	8	22.23	19.88	0.097
16QAM	847.5	20635	3	1	14	22.37	20.02	0.100
16QAM	847.5	20635	3	8	0	20.90	18.55	0.072
16QAM	847.5	20635	3	8	4	20.98	18.63	0.073
16QAM	847.5	20635	3	8	7	21.14	18.79	0.076
16QAM	847.5	20635	3	15	0	21.05	18.70	0.074
64QAM	825.5	20415	3	1	0	22.17	19.82	0.096
64QAM	825.5	20415	3	1	8	22.24	19.89	0.097
64QAM	825.5	20415	3	1	14	22.76	20.41	0.110
64QAM	825.5	20415	3	8	0	21.26	18.91	0.078
64QAM	825.5	20415	3	8	4	21.67	19.32	0.086
64QAM	825.5	20415	3	8	7	21.56	19.21	0.083
64QAM	825.5	20415	3	15	0	21.07	18.72	0.074
64QAM	836.5	20525	3	1	0	22.16	19.81	0.096
64QAM	836.5	20525	3	1	8	22.52	20.17	0.104
64QAM	836.5	20525	3	1	14	22.50	20.15	0.104
64QAM	836.5	20525	3	8	0	21.30	18.95	0.079
64QAM	836.5	20525	3	8	4	21.28	18.93	0.078
64QAM	836.5	20525	3	8	7	21.18	18.83	0.076
64QAM	836.5	20525	3	15	0	20.90	18.55	0.072
64QAM	847.5	20635	3	1	0	22.38	20.03	0.101
64QAM	847.5	20635	3	1	8	22.11	19.76	0.095
64QAM	847.5	20635	3	1	14	22.17	19.82	0.096
64QAM	847.5	20635	3	8	0	20.93	18.58	0.072
64QAM	847.5	20635	3	8	4	21.12	18.77	0.075
64QAM	847.5	20635	3	8	7	21.26	18.91	0.078

64QAM	847.5	20635	3	15	0	21.14	18.79	0.076
-------	-------	-------	---	----	---	-------	-------	-------

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	22.72	20.37	0.109
QPSK	825.5	20415	3	1	8	22.88	20.53	0.113
QPSK	825.5	20415	3	1	14	22.86	20.51	0.112
QPSK	825.5	20415	3	8	0	22.03	19.68	0.093
QPSK	825.5	20415	3	8	4	22.09	19.74	0.094
QPSK	825.5	20415	3	8	7	22.00	19.65	0.092
QPSK	825.5	20415	3	15	0	22.02	19.67	0.093
QPSK	836.5	20525	3	1	0	22.92	20.57	0.114
QPSK	836.5	20525	3	1	8	23.17	20.82	0.121
QPSK	836.5	20525	3	1	14	23.25	20.90	0.123
QPSK	836.5	20525	3	8	0	22.09	19.74	0.094
QPSK	836.5	20525	3	8	4	22.18	19.83	0.096
QPSK	836.5	20525	3	8	7	22.18	19.83	0.096
QPSK	836.5	20525	3	15	0	21.99	19.64	0.092
QPSK	847.5	20635	3	1	0	23.19	20.84	0.121
QPSK	847.5	20635	3	1	8	23.05	20.70	0.117
QPSK	847.5	20635	3	1	14	23.26	20.91	0.123
QPSK	847.5	20635	3	8	0	22.11	19.76	0.095
QPSK	847.5	20635	3	8	4	22.09	19.74	0.094
QPSK	847.5	20635	3	8	7	22.21	19.86	0.097
QPSK	847.5	20635	3	15	0	22.13	19.78	0.095

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	21.68	19.33	0.086
16QAM	826.5	20425	5	1	12	22.18	19.83	0.096
16QAM	826.5	20425	5	1	24	21.91	19.56	0.090
16QAM	826.5	20425	5	12	0	21.19	18.84	0.077
16QAM	826.5	20425	5	12	7	21.19	18.84	0.077
16QAM	826.5	20425	5	12	13	20.67	18.32	0.068
16QAM	826.5	20425	5	25	0	20.98	18.63	0.073
16QAM	836.5	20525	5	1	0	22.04	19.69	0.093
16QAM	836.5	20525	5	1	12	22.28	19.93	0.098
16QAM	836.5	20525	5	1	24	21.96	19.61	0.091
16QAM	836.5	20525	5	12	0	20.85	18.50	0.071
16QAM	836.5	20525	5	12	7	21.00	18.65	0.073
16QAM	836.5	20525	5	12	13	21.02	18.67	0.074
16QAM	836.5	20525	5	25	0	21.08	18.73	0.075
16QAM	846.5	20625	5	1	0	22.24	19.89	0.097
16QAM	846.5	20625	5	1	12	22.32	19.97	0.099
16QAM	846.5	20625	5	1	24	22.07	19.72	0.094
16QAM	846.5	20625	5	12	0	21.06	18.71	0.074
16QAM	846.5	20625	5	12	7	21.07	18.72	0.074
16QAM	846.5	20625	5	12	13	21.01	18.66	0.073
16QAM	846.5	20625	5	25	0	21.05	18.70	0.074
64QAM	826.5	20425	5	1	0	21.93	19.58	0.091
64QAM	826.5	20425	5	1	12	22.21	19.86	0.097
64QAM	826.5	20425	5	1	24	21.34	18.99	0.079
64QAM	826.5	20425	5	12	0	20.93	18.58	0.072
64QAM	826.5	20425	5	12	7	21.06	18.71	0.074
64QAM	826.5	20425	5	12	13	20.92	18.57	0.072
64QAM	826.5	20425	5	25	0	21.06	18.71	0.074
64QAM	836.5	20525	5	1	0	21.58	19.23	0.084
64QAM	836.5	20525	5	1	12	22.11	19.76	0.095
64QAM	836.5	20525	5	1	24	21.68	19.33	0.086
64QAM	836.5	20525	5	12	0	20.97	18.62	0.073
64QAM	836.5	20525	5	12	7	21.12	18.77	0.075
64QAM	836.5	20525	5	12	13	21.14	18.79	0.076
64QAM	836.5	20525	5	25	0	21.09	18.74	0.075
64QAM	846.5	20625	5	1	0	22.23	19.88	0.097
64QAM	846.5	20625	5	1	12	22.76	20.41	0.110
64QAM	846.5	20625	5	1	24	22.32	19.97	0.099
64QAM	846.5	20625	5	12	0	21.14	18.79	0.076
64QAM	846.5	20625	5	12	7	20.94	18.59	0.072
64QAM	846.5	20625	5	12	13	20.99	18.64	0.073

64QAM	846.5	20625	5	25	0	20.93	18.58	0.072
-------	-------	-------	---	----	---	-------	-------	-------

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	22.97	20.62	0.115
QPSK	826.5	20425	5	1	12	22.93	20.58	0.114
QPSK	826.5	20425	5	1	24	22.72	20.37	0.109
QPSK	826.5	20425	5	12	0	22.16	19.81	0.096
QPSK	826.5	20425	5	12	7	22.16	19.81	0.096
QPSK	826.5	20425	5	12	13	21.91	19.56	0.090
QPSK	826.5	20425	5	25	0	21.96	19.61	0.091
QPSK	836.5	20525	5	1	0	22.82	20.47	0.111
QPSK	836.5	20525	5	1	12	23.20	20.85	0.122
QPSK	836.5	20525	5	1	24	23.15	20.80	0.120
QPSK	836.5	20525	5	12	0	22.01	19.66	0.092
QPSK	836.5	20525	5	12	7	22.14	19.79	0.095
QPSK	836.5	20525	5	12	13	22.15	19.80	0.095
QPSK	836.5	20525	5	25	0	22.09	19.74	0.094
QPSK	846.5	20625	5	1	0	22.82	20.47	0.111
QPSK	846.5	20625	5	1	12	22.98	20.63	0.116
QPSK	846.5	20625	5	1	24	22.86	20.51	0.112
QPSK	846.5	20625	5	12	0	22.11	19.76	0.095
QPSK	846.5	20625	5	12	7	22.12	19.77	0.095
QPSK	846.5	20625	5	12	13	22.15	19.80	0.095
QPSK	846.5	20625	5	25	0	22.08	19.73	0.094

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	22.23	19.88	0.097
16QAM	829	20450	10	1	25	22.49	20.14	0.103
16QAM	829	20450	10	1	49	21.77	19.42	0.087
16QAM	829	20450	10	25	0	21.27	18.92	0.078
16QAM	829	20450	10	25	12	21.08	18.73	0.075
16QAM	829	20450	10	25	25	21.12	18.77	0.075
16QAM	829	20450	10	50	0	21.15	18.80	0.076
16QAM	836.5	20525	10	1	0	22.32	19.97	0.099
16QAM	836.5	20525	10	1	25	22.55	20.20	0.105
16QAM	836.5	20525	10	1	49	22.36	20.01	0.100
16QAM	836.5	20525	10	25	0	20.99	18.64	0.073
16QAM	836.5	20525	10	25	12	21.13	18.78	0.076
16QAM	836.5	20525	10	25	25	21.08	18.73	0.075
16QAM	836.5	20525	10	50	0	20.96	18.61	0.073
16QAM	844	20600	10	1	0	21.88	19.53	0.090
16QAM	844	20600	10	1	25	22.25	19.90	0.098
16QAM	844	20600	10	1	49	21.98	19.63	0.092
16QAM	844	20600	10	25	0	21.15	18.80	0.076
16QAM	844	20600	10	25	12	21.14	18.79	0.076
16QAM	844	20600	10	25	25	21.01	18.66	0.073
16QAM	844	20600	10	50	0	20.93	18.58	0.072
64QAM	829	20450	10	1	0	22.30	19.95	0.099
64QAM	829	20450	10	1	25	22.40	20.05	0.101
64QAM	829	20450	10	1	49	21.97	19.62	0.092
64QAM	829	20450	10	25	0	21.13	18.78	0.076
64QAM	829	20450	10	25	12	21.14	18.79	0.076
64QAM	829	20450	10	25	25	20.98	18.63	0.073
64QAM	829	20450	10	50	0	21.09	18.74	0.075
64QAM	836.5	20525	10	1	0	22.55	20.20	0.105
64QAM	836.5	20525	10	1	25	22.40	20.05	0.101
64QAM	836.5	20525	10	1	49	22.41	20.06	0.101
64QAM	836.5	20525	10	25	0	21.00	18.65	0.073
64QAM	836.5	20525	10	25	12	21.13	18.78	0.076
64QAM	836.5	20525	10	25	25	20.93	18.58	0.072
64QAM	836.5	20525	10	50	0	21.06	18.71	0.074
64QAM	844	20600	10	1	0	21.59	19.24	0.084
64QAM	844	20600	10	1	25	22.27	19.92	0.098
64QAM	844	20600	10	1	49	21.58	19.23	0.084
64QAM	844	20600	10	25	0	21.26	18.91	0.078
64QAM	844	20600	10	25	12	21.16	18.81	0.076
64QAM	844	20600	10	25	25	21.03	18.68	0.074

64QAM	844	20600	10	50	0	20.92	18.57	0.072
-------	-----	-------	----	----	---	-------	-------	-------

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	22.87	20.52	0.113
QPSK	829	20450	10	1	25	22.90	20.55	0.114
QPSK	829	20450	10	1	49	22.74	20.39	0.109
QPSK	829	20450	10	25	0	22.09	19.74	0.094
QPSK	829	20450	10	25	12	22.07	19.72	0.094
QPSK	829	20450	10	25	25	21.99	19.64	0.092
QPSK	829	20450	10	50	0	22.11	19.76	0.095
QPSK	836.5	20525	10	1	0	23.05	20.70	0.117
QPSK	836.5	20525	10	1	25	23.18	20.83	0.121
QPSK	836.5	20525	10	1	49	23.09	20.74	0.119
QPSK	836.5	20525	10	25	0	22.07	19.72	0.094
QPSK	836.5	20525	10	25	12	22.09	19.74	0.094
QPSK	836.5	20525	10	25	25	22.15	19.80	0.095
QPSK	836.5	20525	10	50	0	21.95	19.60	0.091
QPSK	844	20600	10	1	0	23.00	20.65	0.116
QPSK	844	20600	10	1	25	23.08	20.73	0.118
QPSK	844	20600	10	1	49	22.90	20.55	0.114
QPSK	844	20600	10	25	0	22.02	19.67	0.093
QPSK	844	20600	10	25	12	22.19	19.84	0.096
QPSK	844	20600	10	25	25	21.97	19.62	0.092
QPSK	844	20600	10	50	0	21.98	19.63	0.092