

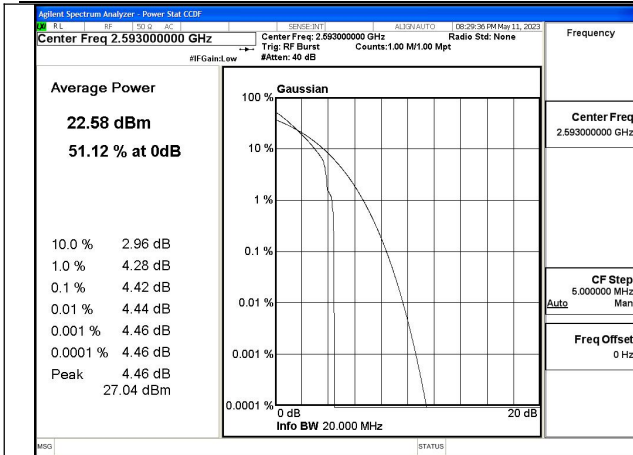


Fig.61

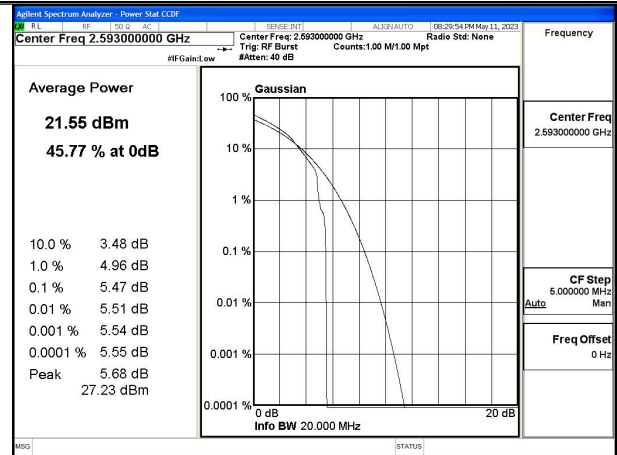


Fig.62

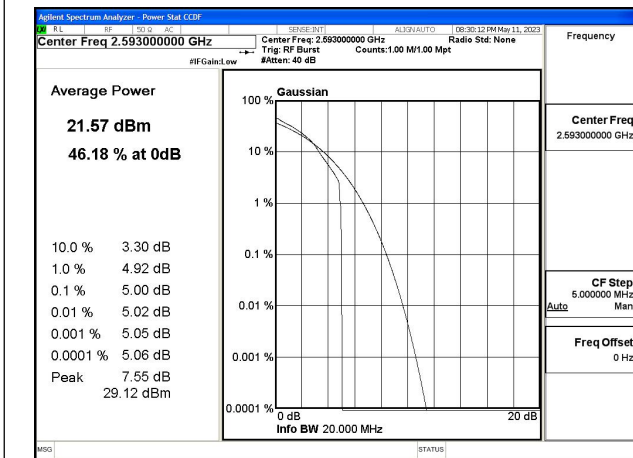


Fig.63

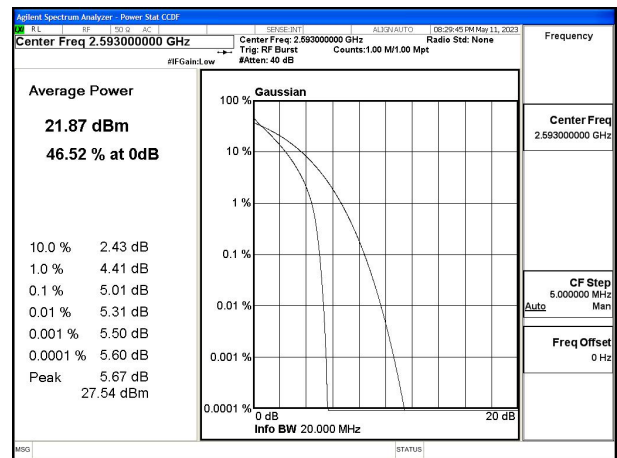


Fig.64

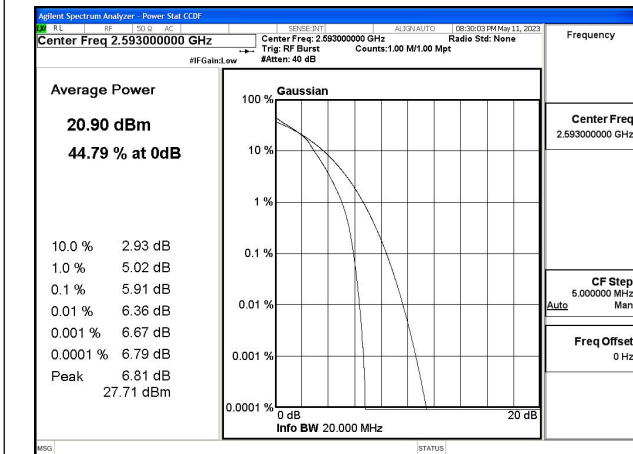


Fig.65

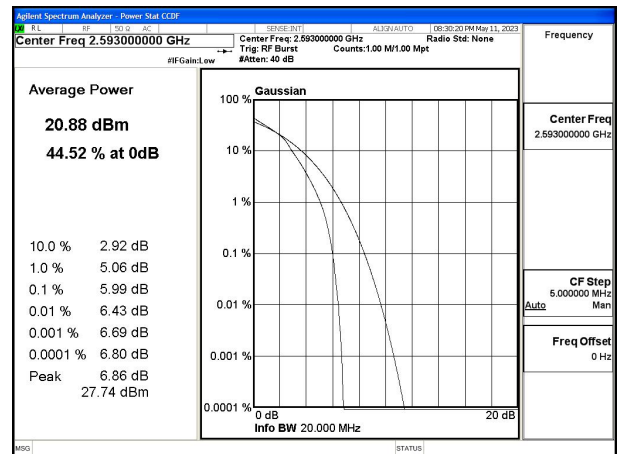


Fig.66

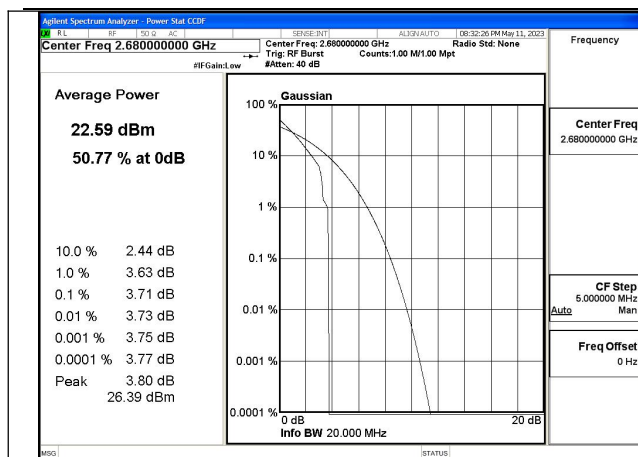


Fig.67

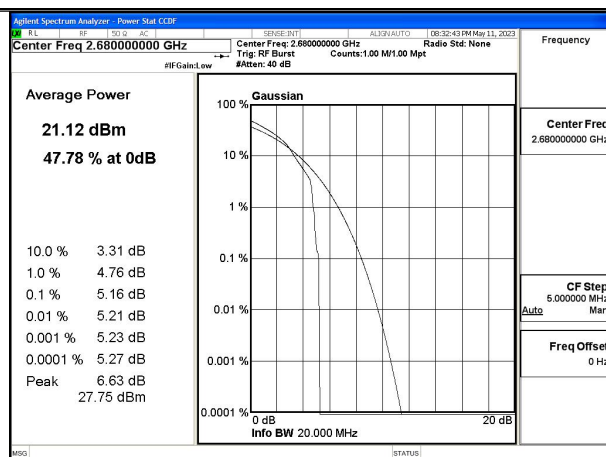


Fig.68

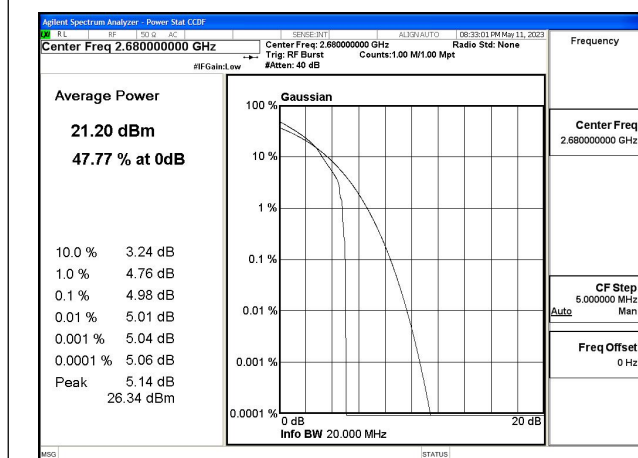


Fig.69

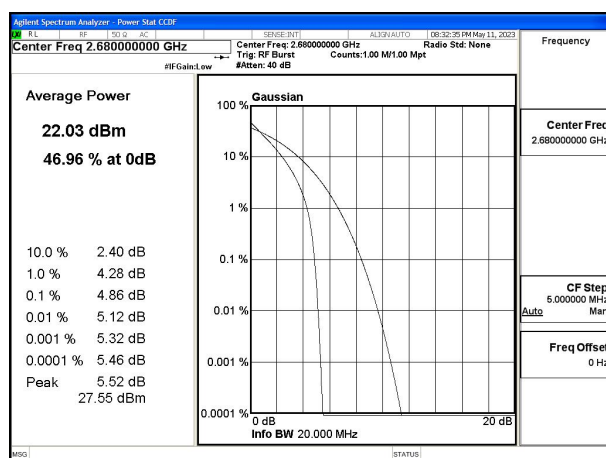


Fig.70

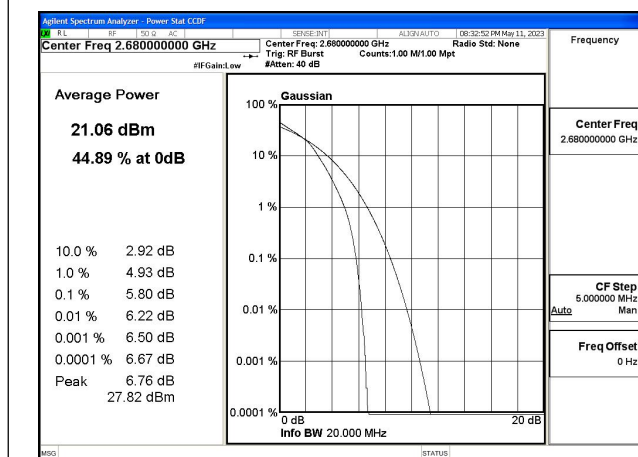


Fig.71

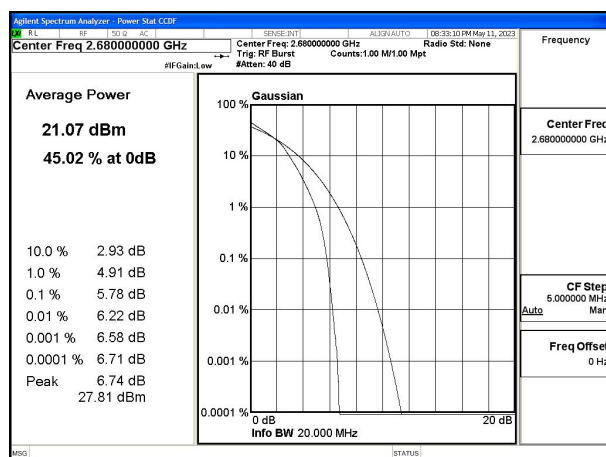
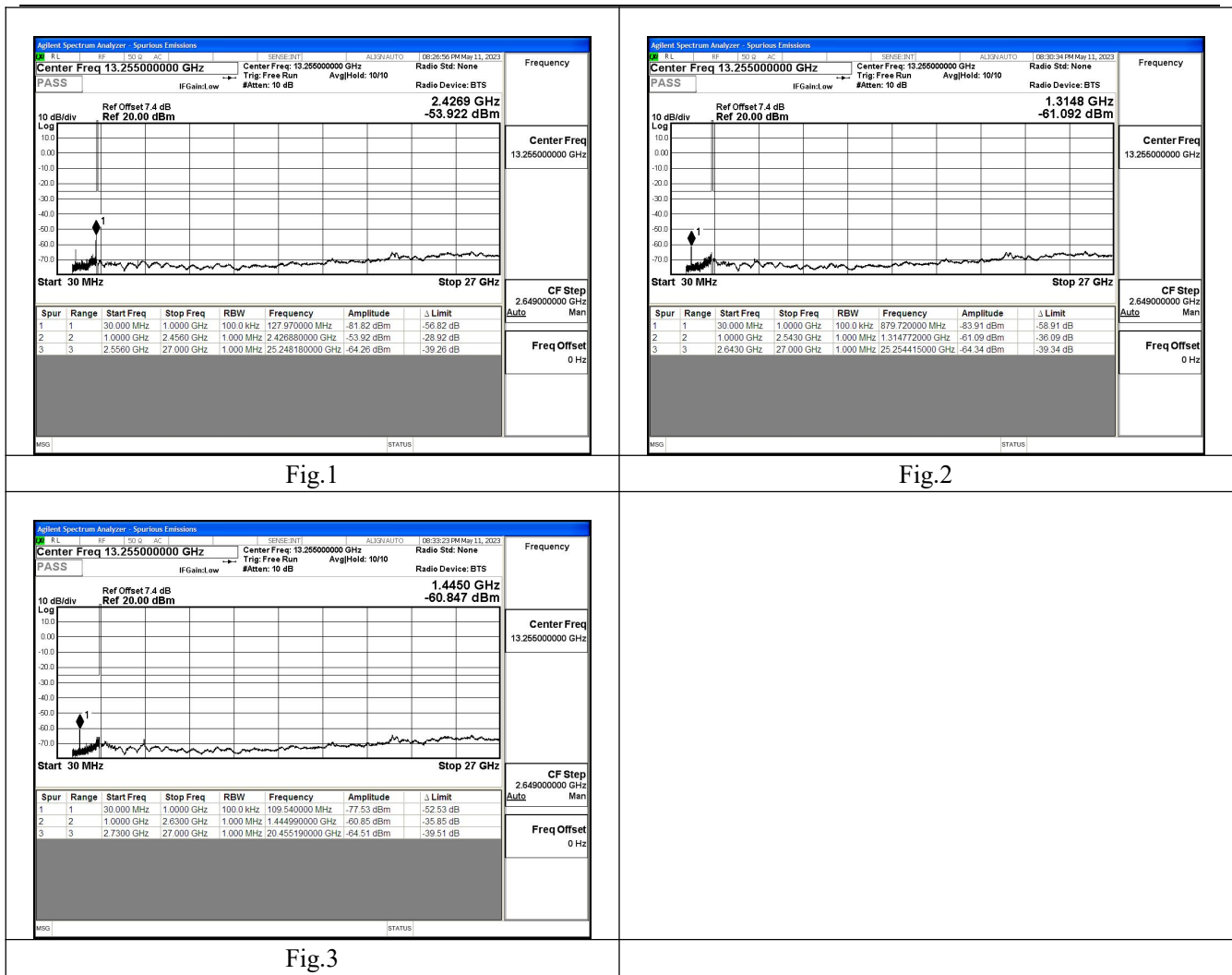


Fig.72

5 Spurious Emissions at antenna terminal

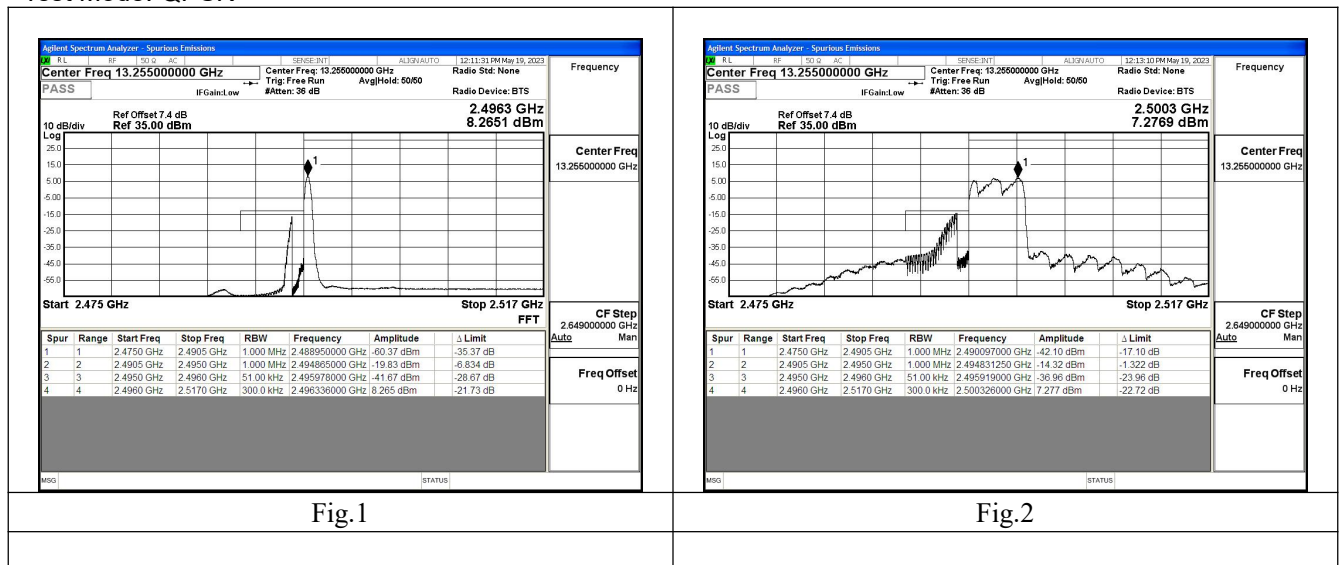
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
41	2506	39750	20	1	0	Fig.1
41	2593	40620	20	1	0	Fig.2
41	2680	41490	20	1	0	Fig.3



6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
41	QPSK	2498.5	39675	5	1	0	Fig.1
41	QPSK	2498.5	39675	5	25	0	Fig.2
41	QPSK	2687.5	41565	5	1	24	Fig.3
41	QPSK	2687.5	41565	5	25	0	Fig.4
41	QPSK	2501	39700	10	1	0	Fig.5
41	QPSK	2501	39700	10	50	0	Fig.6
41	QPSK	2685	41540	10	1	49	Fig.7
41	QPSK	2685	41540	10	50	0	Fig.8
41	QPSK	2503.5	39725	15	1	0	Fig.9
41	QPSK	2503.5	39725	15	75	0	Fig.10
41	QPSK	2682.5	41515	15	1	74	Fig.11
41	QPSK	2682.5	41515	15	75	0	Fig.12
41	QPSK	2506	39750	20	1	0	Fig.13
41	QPSK	2506	39750	20	100	0	Fig.14
41	QPSK	2680	41490	20	1	99	Fig.15
41	QPSK	2680	41490	20	100	0	Fig.16

Test Mode: QPSK



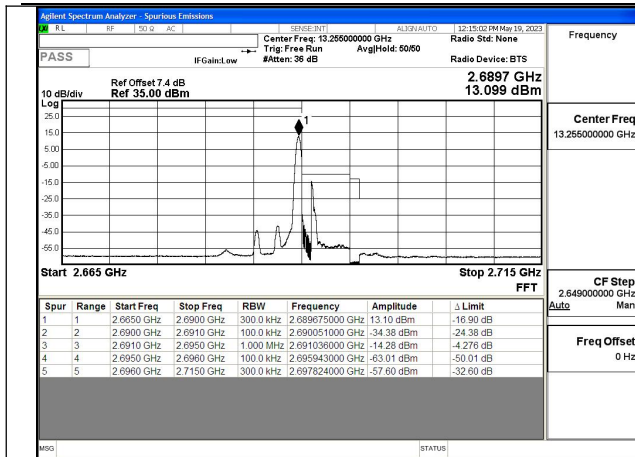


Fig.3

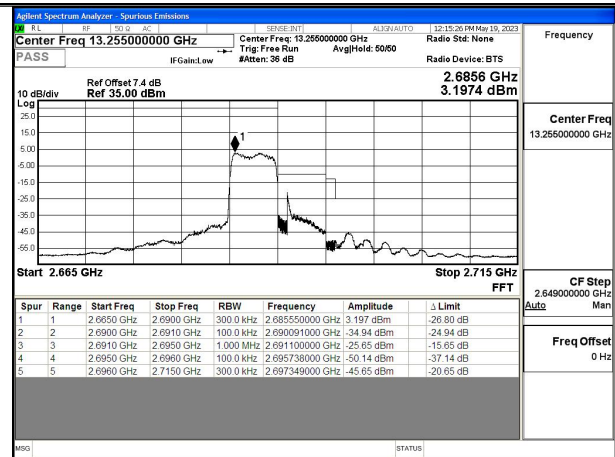


Fig.4

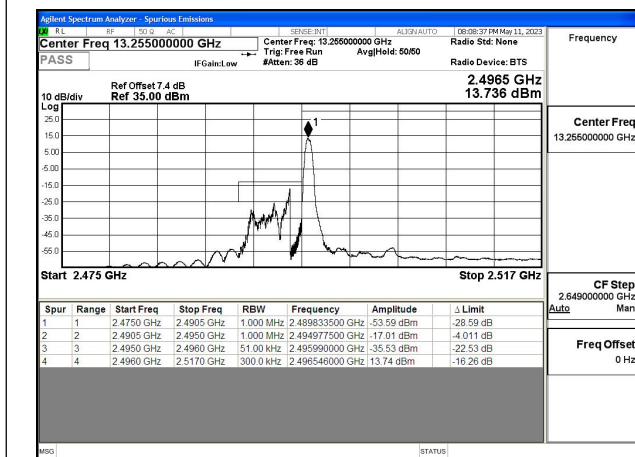


Fig.5

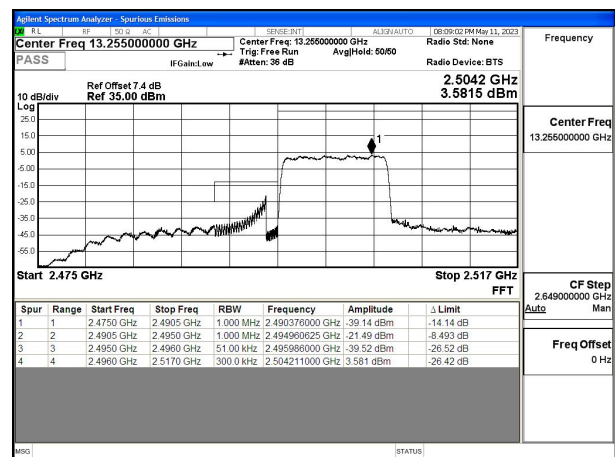


Fig.6

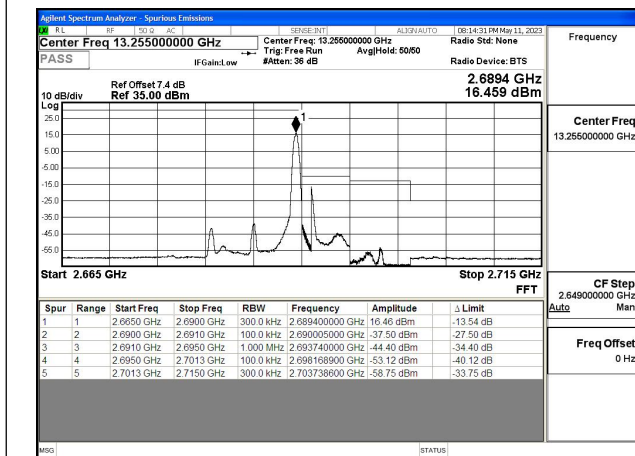


Fig.7

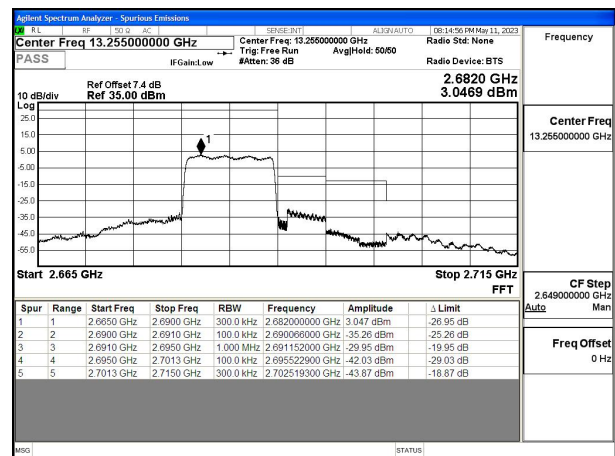


Fig.8

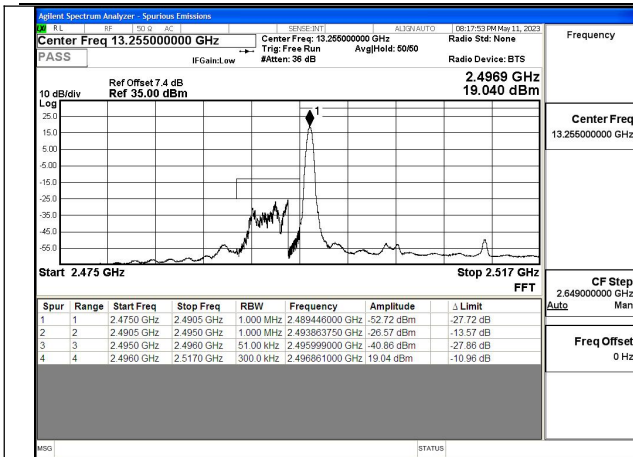


Fig.9

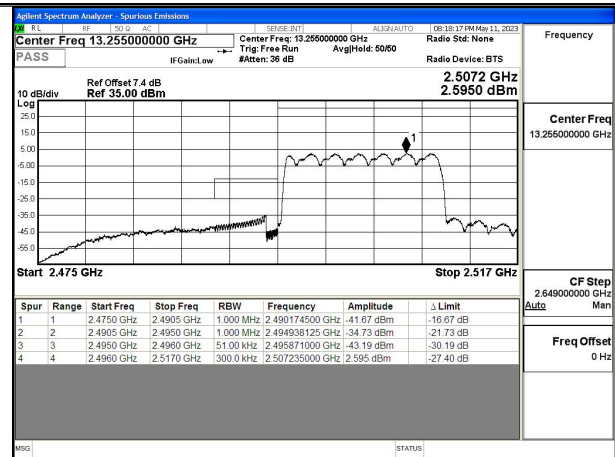


Fig.10

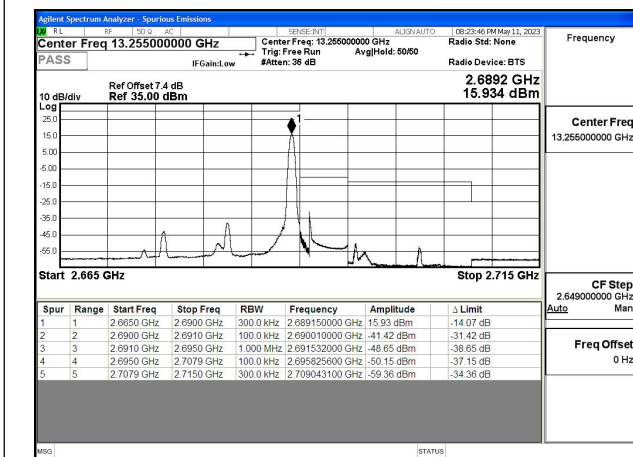


Fig.11

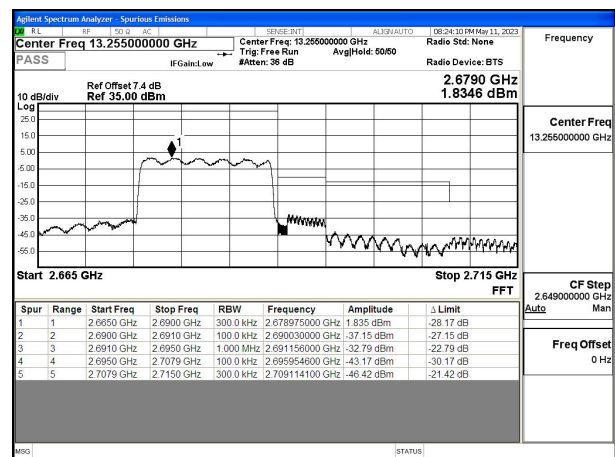


Fig.12

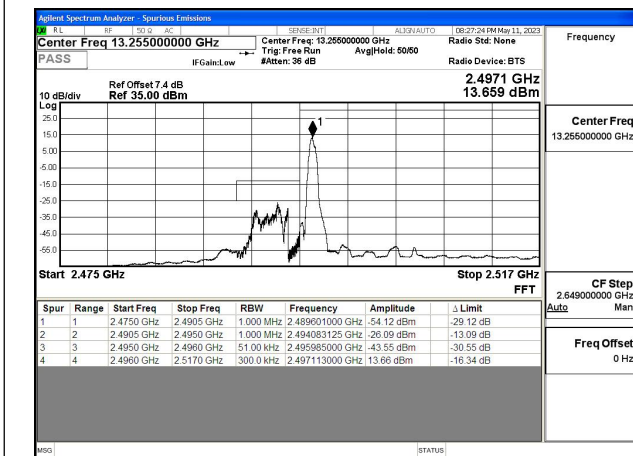


Fig.13

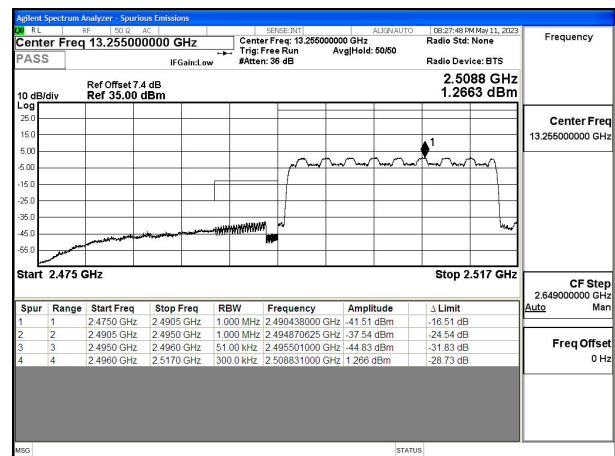


Fig.14

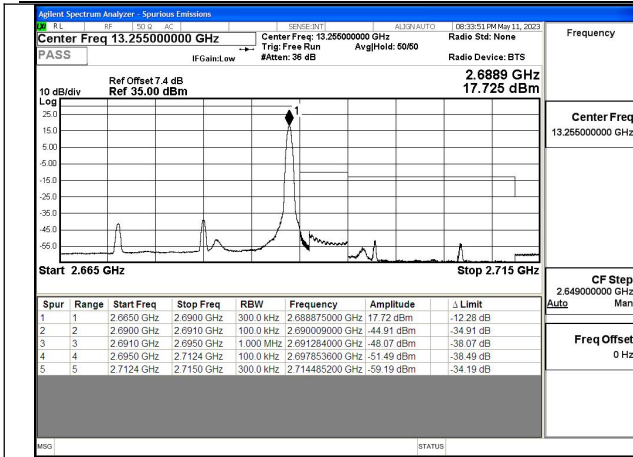


Fig.15

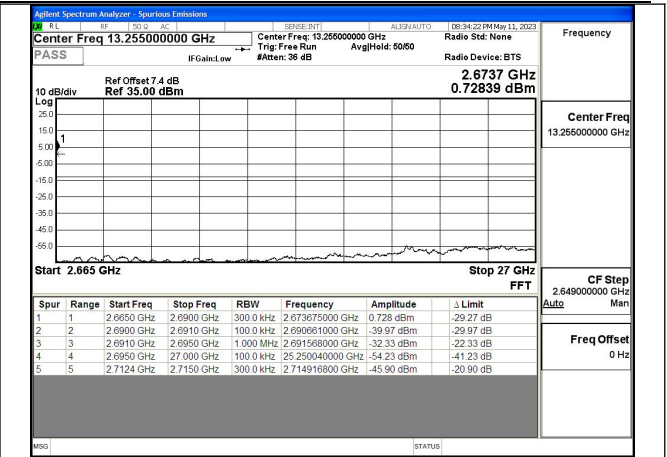


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 41 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.003	-0.002	-0.002	0.002
0	NV	0.002	-0.005	-0.003	-0.002
+10	NV	-0.001	0.002	-0.003	-0.003
+20	NV	-0.004	-0.004	-0.002	-0.003
+30	NV	-0.002	-0.003	-0.002	0.001
+40	NV	0.002	-0.001	-0.002	-0.002
+50	NV	0.001	0.003	-0.002	-0.002
+55	NV	-0.002	0.002	-0.002	-0.002
+20	LV	0.000	-0.003	0.000	-0.002
+20	HV	-0.002	0.001	-0.002	-0.003

Temperature(°C)	Voltage	Test Result (ppm) Band 41 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.002	0.001	-0.001	-0.001
0	NV	-0.003	0.000	-0.001	-0.002
+10	NV	0.000	0.001	-0.002	0.000
+20	NV	0.002	0.001	-0.001	-0.003
+30	NV	-0.002	0.002	-0.002	-0.001
+40	NV	0.002	0.001	0.000	-0.001
+50	NV	-0.001	-0.003	0.000	0.002
+55	NV	0.003	-0.001	-0.001	-0.001
+20	LV	0.000	0.000	-0.001	-0.001
+20	HV	0.001	-0.002	-0.002	-0.002

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	2498.5	39675	5	1	0	22.89	12.69	0.019
QPSK	2498.5	39675	5	1	12	22.94	12.74	0.019
QPSK	2498.5	39675	5	1	24	22.88	12.68	0.019
QPSK	2498.5	39675	5	12	0	22.05	11.85	0.015
QPSK	2498.5	39675	5	12	7	22.04	11.84	0.015
QPSK	2498.5	39675	5	12	13	22.00	11.80	0.015
QPSK	2498.5	39675	5	25	0	22.05	11.85	0.015
QPSK	2593	40620	5	1	0	23.15	12.95	0.020
QPSK	2593	40620	5	1	12	23.29	13.09	0.020
QPSK	2593	40620	5	1	24	23.27	13.07	0.020
QPSK	2593	40620	5	12	0	22.20	12.00	0.016
QPSK	2593	40620	5	12	7	22.23	12.03	0.016
QPSK	2593	40620	5	12	13	22.19	11.99	0.016
QPSK	2593	40620	5	25	0	22.28	12.08	0.016
QPSK	2687.5	41565	5	1	0	23.00	12.80	0.019
QPSK	2687.5	41565	5	1	12	23.39	13.19	0.021
QPSK	2687.5	41565	5	1	24	23.36	13.16	0.021
QPSK	2687.5	41565	5	12	0	22.01	11.81	0.015
QPSK	2687.5	41565	5	12	7	22.17	11.97	0.016
QPSK	2687.5	41565	5	12	13	22.14	11.94	0.016
QPSK	2687.5	41565	5	25	0	22.11	11.91	0.016

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2498.5	39675	5	1	0	22.57	12.37	0.017
16QAM	2498.5	39675	5	1	12	22.64	12.44	0.018
16QAM	2498.5	39675	5	1	24	22.30	12.10	0.016
16QAM	2498.5	39675	5	12	0	21.16	10.96	0.012
16QAM	2498.5	39675	5	12	7	21.11	10.91	0.012
16QAM	2498.5	39675	5	12	13	21.07	10.87	0.012
16QAM	2498.5	39675	5	25	0	21.03	10.83	0.012
16QAM	2593	40620	5	1	0	22.62	12.42	0.017
16QAM	2593	40620	5	1	12	22.62	12.42	0.017
16QAM	2593	40620	5	1	24	22.49	12.29	0.017
16QAM	2593	40620	5	12	0	21.28	11.08	0.013
16QAM	2593	40620	5	12	7	21.22	11.02	0.013
16QAM	2593	40620	5	12	13	21.20	11.00	0.013
16QAM	2593	40620	5	25	0	21.32	11.12	0.013
16QAM	2687.5	41565	5	1	0	22.26	12.06	0.016
16QAM	2687.5	41565	5	1	12	22.33	12.13	0.016
16QAM	2687.5	41565	5	1	24	22.09	11.89	0.015
16QAM	2687.5	41565	5	12	0	21.21	11.01	0.013
16QAM	2687.5	41565	5	12	7	21.30	11.10	0.013

16QAM	2687.5	41565	5	12	13	21.12	10.92	0.012
16QAM	2687.5	41565	5	25	0	21.21	11.01	0.013
64QAM	2498.5	39675	5	1	0	22.36	12.16	0.016
64QAM	2498.5	39675	5	1	12	22.37	12.17	0.016
64QAM	2498.5	39675	5	1	24	22.29	12.09	0.016
64QAM	2498.5	39675	5	12	0	21.06	10.86	0.012
64QAM	2498.5	39675	5	12	7	21.07	10.87	0.012
64QAM	2498.5	39675	5	12	13	20.98	10.78	0.012
64QAM	2498.5	39675	5	25	0	21.01	10.81	0.012
64QAM	2593	40620	5	1	0	22.22	12.02	0.016
64QAM	2593	40620	5	1	12	22.35	12.15	0.016
64QAM	2593	40620	5	1	24	22.36	12.16	0.016
64QAM	2593	40620	5	12	0	21.17	10.97	0.013
64QAM	2593	40620	5	12	7	21.17	10.97	0.013
64QAM	2593	40620	5	12	13	21.46	11.26	0.013
64QAM	2593	40620	5	25	0	21.16	10.96	0.012
64QAM	2687.5	41565	5	1	0	22.48	12.28	0.017
64QAM	2687.5	41565	5	1	12	21.94	11.74	0.015
64QAM	2687.5	41565	5	1	24	22.22	12.02	0.016
64QAM	2687.5	41565	5	12	0	21.27	11.07	0.013
64QAM	2687.5	41565	5	12	7	21.33	11.13	0.013
64QAM	2687.5	41565	5	12	13	21.15	10.95	0.012
64QAM	2687.5	41565	5	25	0	21.12	10.92	0.012

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2501	39700	10	1	0	23.13	12.93	0.020
QPSK	2501	39700	10	1	25	23.19	12.99	0.020
QPSK	2501	39700	10	1	49	23.08	12.88	0.019
QPSK	2501	39700	10	25	0	21.85	11.65	0.015
QPSK	2501	39700	10	25	12	21.98	11.78	0.015
QPSK	2501	39700	10	25	25	21.97	11.77	0.015
QPSK	2501	39700	10	50	0	22.09	11.89	0.015
QPSK	2593	40620	10	1	0	23.42	13.22	0.021
QPSK	2593	40620	10	1	25	23.19	12.99	0.020
QPSK	2593	40620	10	1	49	23.19	12.99	0.020
QPSK	2593	40620	10	25	0	22.22	12.02	0.016
QPSK	2593	40620	10	25	12	22.26	12.06	0.016
QPSK	2593	40620	10	25	25	21.85	11.65	0.015
QPSK	2593	40620	10	50	0	22.26	12.06	0.016
QPSK	2685	41540	10	1	0	23.06	12.86	0.019
QPSK	2685	41540	10	1	25	23.38	13.18	0.021
QPSK	2685	41540	10	1	49	23.06	12.86	0.019
QPSK	2685	41540	10	25	0	22.00	11.80	0.015
QPSK	2685	41540	10	25	12	22.06	11.86	0.015
QPSK	2685	41540	10	25	25	22.10	11.90	0.015
QPSK	2685	41540	10	50	0	22.08	11.88	0.015

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2501	39700	10	1	0	22.77	12.57	0.018
16QAM	2501	39700	10	1	25	22.16	11.96	0.016
16QAM	2501	39700	10	1	49	22.14	11.94	0.016
16QAM	2501	39700	10	25	0	20.96	10.76	0.012
16QAM	2501	39700	10	25	12	20.95	10.75	0.012
16QAM	2501	39700	10	25	25	21.01	10.81	0.012
16QAM	2501	39700	10	50	0	21.00	10.80	0.012
16QAM	2593	40620	10	1	0	22.56	12.36	0.017
16QAM	2593	40620	10	1	25	22.53	12.33	0.017
16QAM	2593	40620	10	1	49	22.42	12.22	0.017
16QAM	2593	40620	10	25	0	21.29	11.09	0.013
16QAM	2593	40620	10	25	12	21.29	11.09	0.013
16QAM	2593	40620	10	25	25	21.26	11.06	0.013
16QAM	2593	40620	10	50	0	21.27	11.07	0.013
16QAM	2685	41540	10	1	0	22.59	12.39	0.017
16QAM	2685	41540	10	1	25	22.29	12.09	0.016
16QAM	2685	41540	10	1	49	22.69	12.49	0.018
16QAM	2685	41540	10	25	0	21.16	10.96	0.012
16QAM	2685	41540	10	25	12	21.14	10.94	0.012
16QAM	2685	41540	10	25	25	21.13	10.93	0.012
16QAM	2685	41540	10	50	0	21.05	10.85	0.012
64QAM	2501	39700	10	1	0	22.20	12.00	0.016
64QAM	2501	39700	10	1	25	22.25	12.05	0.016
64QAM	2501	39700	10	1	49	22.02	11.82	0.015
64QAM	2501	39700	10	25	0	20.95	10.75	0.012
64QAM	2501	39700	10	25	12	21.06	10.86	0.012
64QAM	2501	39700	10	25	25	20.96	10.76	0.012
64QAM	2501	39700	10	50	0	21.05	10.85	0.012
64QAM	2593	40620	10	1	0	22.58	12.38	0.017
64QAM	2593	40620	10	1	25	22.27	12.07	0.016
64QAM	2593	40620	10	1	49	22.10	11.90	0.015
64QAM	2593	40620	10	25	0	21.32	11.12	0.013
64QAM	2593	40620	10	25	12	21.22	11.02	0.013
64QAM	2593	40620	10	25	25	21.21	11.01	0.013
64QAM	2593	40620	10	50	0	21.35	11.15	0.013
64QAM	2685	41540	10	1	0	22.49	12.29	0.017
64QAM	2685	41540	10	1	25	22.41	12.21	0.017
64QAM	2685	41540	10	1	49	22.34	12.14	0.016
64QAM	2685	41540	10	25	0	21.07	10.87	0.012
64QAM	2685	41540	10	25	12	21.19	10.99	0.013
64QAM	2685	41540	10	25	25	21.12	10.92	0.012
64QAM	2685	41540	10	50	0	21.21	11.01	0.013

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2503.5	39725	15	1	0	22.72	12.52	0.018
QPSK	2503.5	39725	15	1	37	23.31	13.11	0.020
QPSK	2503.5	39725	15	1	74	23.27	13.07	0.020
QPSK	2503.5	39725	15	36	0	21.83	11.63	0.015
QPSK	2503.5	39725	15	36	29	21.76	11.56	0.014
QPSK	2503.5	39725	15	36	30	21.76	11.56	0.014
QPSK	2503.5	39725	15	75	0	21.84	11.64	0.015
QPSK	2593	40620	15	1	0	23.89	13.69	0.023
QPSK	2593	40620	15	1	37	23.78	13.58	0.023
QPSK	2593	40620	15	1	74	23.66	13.46	0.022
QPSK	2593	40620	15	36	0	22.25	12.05	0.016
QPSK	2593	40620	15	36	29	22.05	11.85	0.015
QPSK	2593	40620	15	36	30	22.24	12.04	0.016
QPSK	2593	40620	15	75	0	22.10	11.90	0.015
QPSK	2682.5	41515	15	1	0	22.66	12.46	0.018
QPSK	2682.5	41515	15	1	37	23.47	13.27	0.021
QPSK	2682.5	41515	15	1	74	22.78	12.58	0.018
QPSK	2682.5	41515	15	36	0	21.91	11.71	0.015
QPSK	2682.5	41515	15	36	29	21.94	11.74	0.015
QPSK	2682.5	41515	15	36	30	22.00	11.80	0.015
QPSK	2682.5	41515	15	75	0	21.94	11.74	0.015

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2503.5	39725	15	1	0	22.32	12.12	0.016
16QAM	2503.5	39725	15	1	37	22.36	12.16	0.016
16QAM	2503.5	39725	15	1	74	21.96	11.76	0.015
16QAM	2503.5	39725	15	36	0	20.84	10.64	0.012
16QAM	2503.5	39725	15	36	29	20.84	10.64	0.012
16QAM	2503.5	39725	15	36	30	20.87	10.67	0.012
16QAM	2503.5	39725	15	75	0	20.97	10.77	0.012
16QAM	2593	40620	15	1	0	22.62	12.42	0.017
16QAM	2593	40620	15	1	37	22.35	12.15	0.016
16QAM	2593	40620	15	1	74	22.41	12.21	0.017
16QAM	2593	40620	15	36	0	21.08	10.88	0.012
16QAM	2593	40620	15	36	29	21.06	10.86	0.012
16QAM	2593	40620	15	36	30	21.20	11.00	0.013
16QAM	2593	40620	15	75	0	21.13	10.93	0.012
16QAM	2682.5	41515	15	1	0	22.57	12.37	0.017
16QAM	2682.5	41515	15	1	37	22.06	11.86	0.015
16QAM	2682.5	41515	15	1	74	22.52	12.32	0.017
16QAM	2682.5	41515	15	36	0	20.97	10.77	0.012
16QAM	2682.5	41515	15	36	29	21.04	10.84	0.012
16QAM	2682.5	41515	15	36	30	21.04	10.84	0.012
16QAM	2682.5	41515	15	75	0	20.96	10.76	0.012
64QAM	2503.5	39725	15	1	0	21.83	11.63	0.015
64QAM	2503.5	39725	15	1	37	21.79	11.59	0.014
64QAM	2503.5	39725	15	1	74	22.14	11.94	0.016
64QAM	2503.5	39725	15	36	0	20.81	10.61	0.012
64QAM	2503.5	39725	15	36	29	20.84	10.64	0.012
64QAM	2503.5	39725	15	36	30	20.86	10.66	0.012
64QAM	2503.5	39725	15	75	0	20.91	10.71	0.012
64QAM	2593	40620	15	1	0	22.29	12.09	0.016
64QAM	2593	40620	15	1	37	22.45	12.25	0.017
64QAM	2593	40620	15	1	74	22.36	12.16	0.016
64QAM	2593	40620	15	36	0	21.17	10.97	0.013
64QAM	2593	40620	15	36	29	21.07	10.87	0.012
64QAM	2593	40620	15	36	30	21.16	10.96	0.012
64QAM	2593	40620	15	75	0	21.17	10.97	0.013
64QAM	2682.5	41515	15	1	0	21.69	11.49	0.014
64QAM	2682.5	41515	15	1	37	22.32	12.12	0.016
64QAM	2682.5	41515	15	1	74	21.95	11.75	0.015
64QAM	2682.5	41515	15	36	0	20.91	10.71	0.012
64QAM	2682.5	41515	15	36	29	20.97	10.77	0.012
64QAM	2682.5	41515	15	36	30	20.89	10.69	0.012
64QAM	2682.5	41515	15	75	0	20.93	10.73	0.012

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2506	39750	20	1	0	23.46	13.26	0.021
QPSK	2506	39750	20	1	49	23.39	13.19	0.021
QPSK	2506	39750	20	1	99	23.35	13.15	0.021
QPSK	2506	39750	20	50	0	21.82	11.62	0.015
QPSK	2506	39750	20	50	24	21.87	11.67	0.015
QPSK	2506	39750	20	50	50	21.87	11.67	0.015
QPSK	2506	39750	20	100	0	21.92	11.72	0.015
QPSK	2593	40620	20	1	0	23.86	13.66	0.023
QPSK	2593	40620	20	1	49	23.66	13.46	0.022
QPSK	2593	40620	20	1	99	23.51	13.31	0.021
QPSK	2593	40620	20	50	0	22.18	11.98	0.016
QPSK	2593	40620	20	50	24	22.15	11.95	0.016
QPSK	2593	40620	20	50	50	22.13	11.93	0.016
QPSK	2593	40620	20	100	0	22.12	11.92	0.016
QPSK	2680	41490	20	1	0	23.36	13.16	0.021
QPSK	2680	41490	20	1	49	22.80	12.60	0.018
QPSK	2680	41490	20	1	99	22.72	12.52	0.018
QPSK	2680	41490	20	50	0	21.97	11.77	0.015
QPSK	2680	41490	20	50	24	21.98	11.78	0.015
QPSK	2680	41490	20	50	50	22.00	11.80	0.015
QPSK	2680	41490	20	100	0	21.96	11.76	0.015

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2506	39750	20	1	0	22.09	11.89	0.015
16QAM	2506	39750	20	1	49	22.16	11.96	0.016
16QAM	2506	39750	20	1	99	22.42	12.22	0.017
16QAM	2506	39750	20	50	0	20.92	10.72	0.012
16QAM	2506	39750	20	50	24	20.92	10.72	0.012
16QAM	2506	39750	20	50	50	20.94	10.74	0.012
16QAM	2506	39750	20	100	0	20.95	10.75	0.012
16QAM	2593	40620	20	1	0	22.69	12.49	0.018
16QAM	2593	40620	20	1	49	22.94	12.74	0.019
16QAM	2593	40620	20	1	99	22.12	11.92	0.016
16QAM	2593	40620	20	50	0	21.19	10.99	0.013
16QAM	2593	40620	20	50	24	21.09	10.89	0.012
16QAM	2593	40620	20	50	50	21.25	11.05	0.013
16QAM	2593	40620	20	100	0	21.21	11.01	0.013
16QAM	2680	41490	20	1	0	21.89	11.69	0.015
16QAM	2680	41490	20	1	49	21.61	11.41	0.014
16QAM	2680	41490	20	1	99	22.66	12.46	0.018
16QAM	2680	41490	20	50	0	20.83	10.63	0.012
16QAM	2680	41490	20	50	24	21.06	10.86	0.012
16QAM	2680	41490	20	50	50	21.08	10.88	0.012
16QAM	2680	41490	20	100	0	20.96	10.76	0.012
64QAM	2506	39750	20	1	0	21.96	11.76	0.015
64QAM	2506	39750	20	1	49	22.47	12.27	0.017
64QAM	2506	39750	20	1	99	21.72	11.52	0.014
64QAM	2506	39750	20	50	0	20.87	10.67	0.012
64QAM	2506	39750	20	50	24	20.92	10.72	0.012
64QAM	2506	39750	20	50	50	20.93	10.73	0.012
64QAM	2506	39750	20	100	0	20.90	10.70	0.012
64QAM	2593	40620	20	1	0	22.55	12.35	0.017
64QAM	2593	40620	20	1	49	22.18	11.98	0.016
64QAM	2593	40620	20	1	99	21.97	11.77	0.015
64QAM	2593	40620	20	50	0	21.17	10.97	0.013
64QAM	2593	40620	20	50	24	21.23	11.03	0.013
64QAM	2593	40620	20	50	50	21.05	10.85	0.012
64QAM	2593	40620	20	100	0	21.24	11.04	0.013
64QAM	2680	41490	20	1	0	21.83	11.63	0.015
64QAM	2680	41490	20	1	49	21.90	11.70	0.015
64QAM	2680	41490	20	1	99	22.33	12.13	0.016
64QAM	2680	41490	20	50	0	20.87	10.67	0.012
64QAM	2680	41490	20	50	24	20.96	10.76	0.012
64QAM	2680	41490	20	50	50	20.99	10.79	0.012
64QAM	2680	41490	20	100	0	21.07	10.87	0.012