

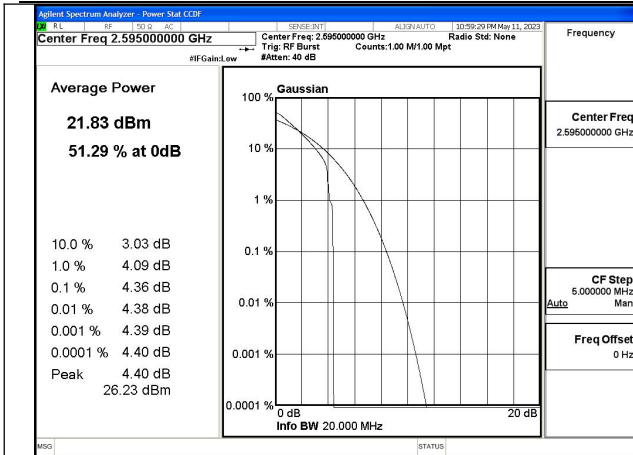


Fig.61

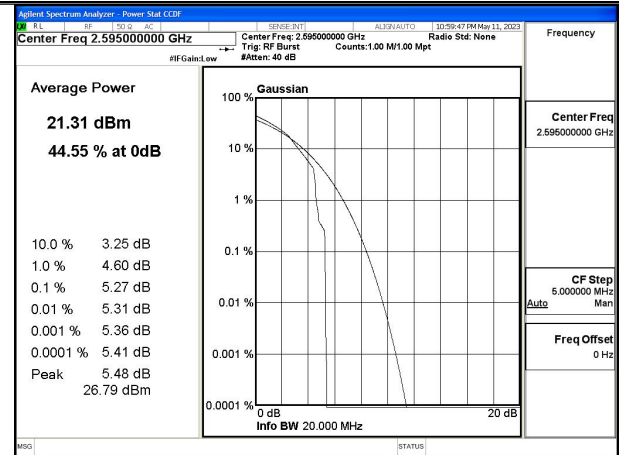


Fig.62

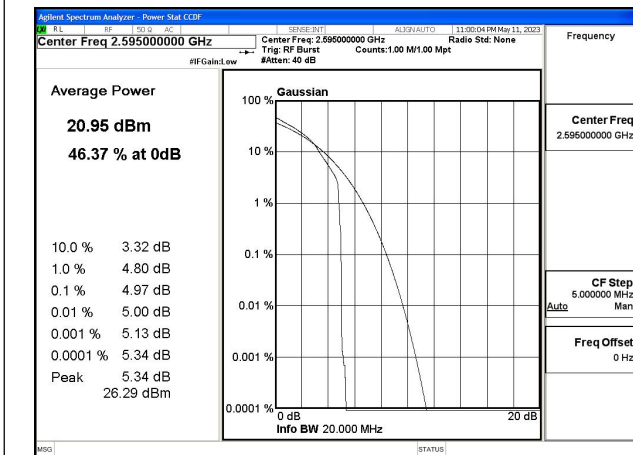


Fig.63

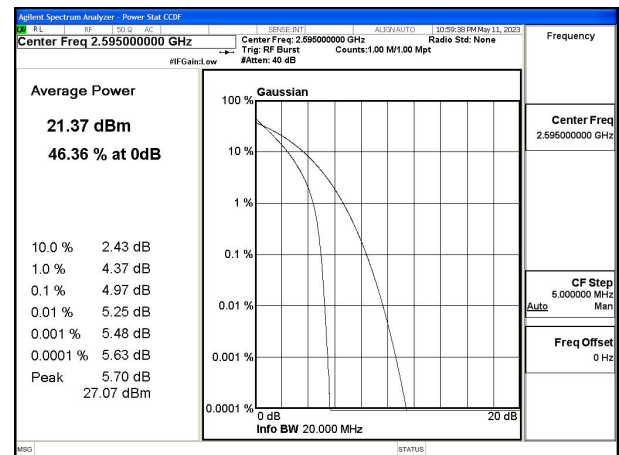


Fig.64

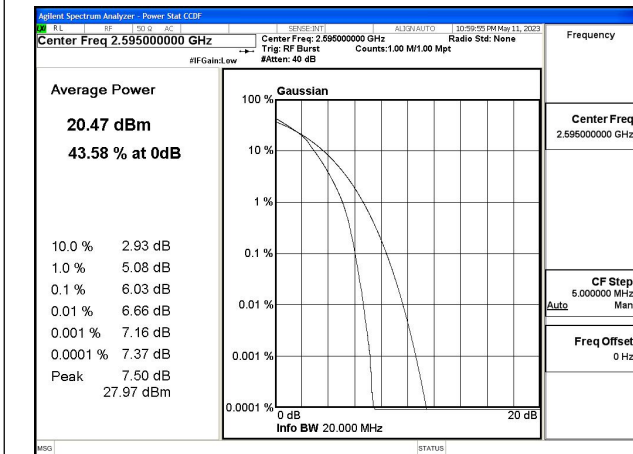


Fig.65

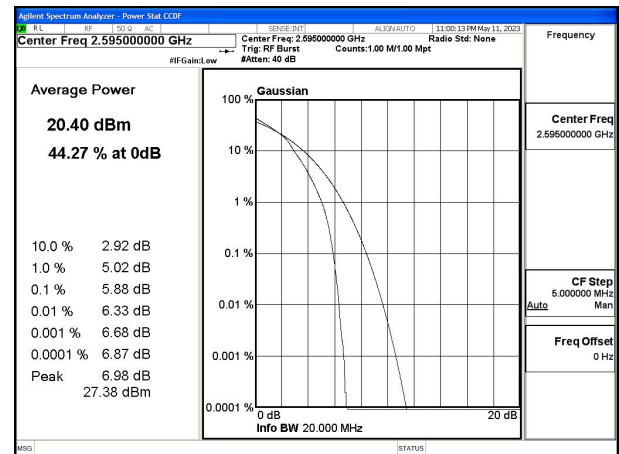


Fig.66

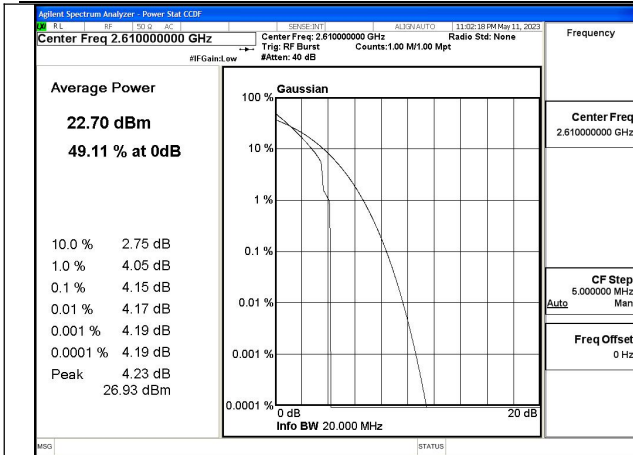


Fig.67

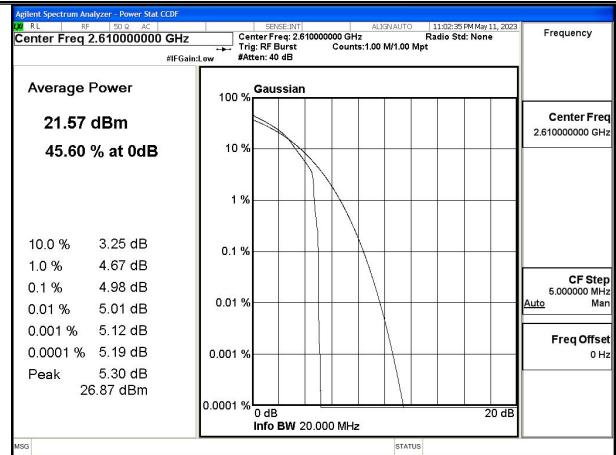


Fig.68

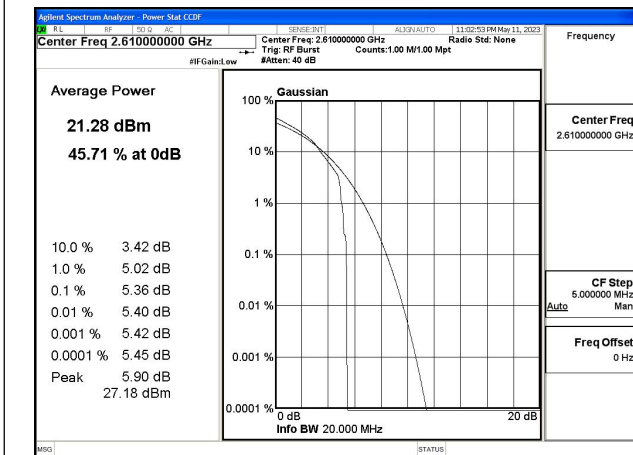


Fig.69

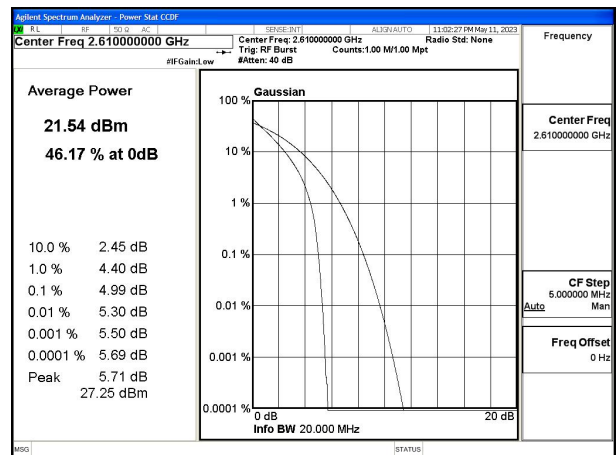


Fig.70

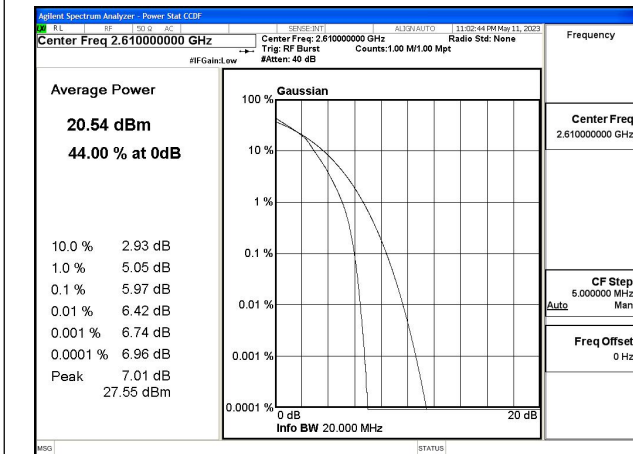


Fig.71

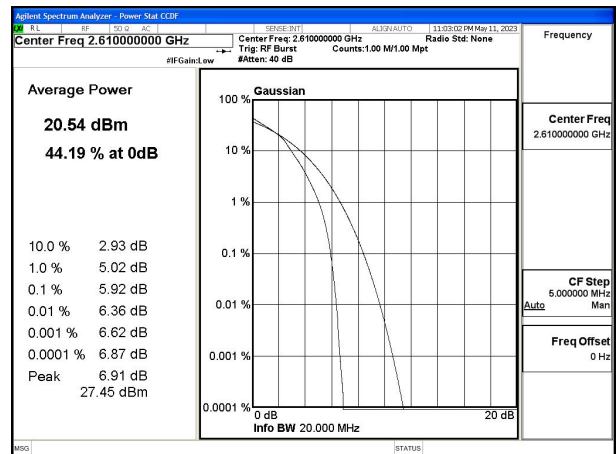


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
38	2580	37850	20	1	0	Fig.1
38	2595	38000	20	1	0	Fig.2
38	2610	38150	20	1	0	Fig.3

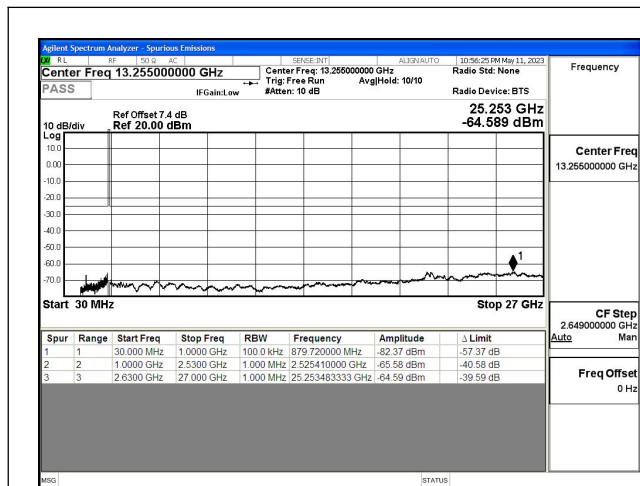


Fig.1

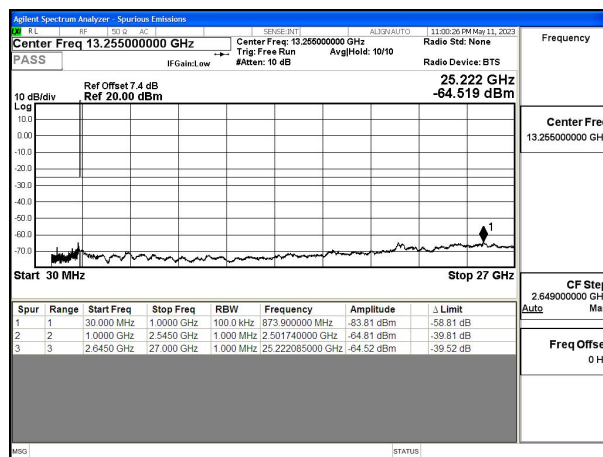


Fig.2

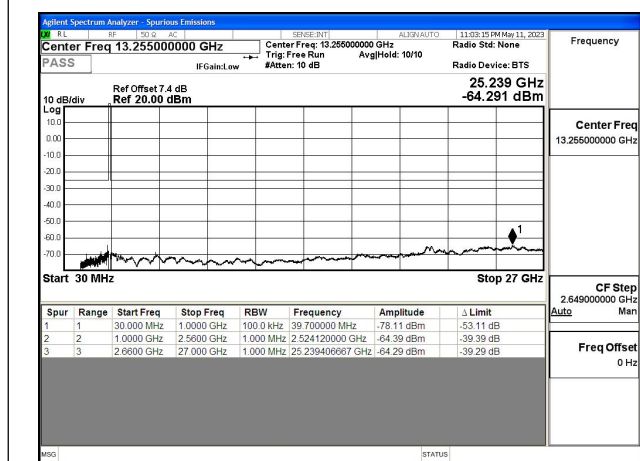


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
38	QPSK	2572.5	37775	5	1	0	Fig.1
38	QPSK	2572.5	37775	5	25	0	Fig.2
38	QPSK	2617.5	38225	5	1	24	Fig.3
38	QPSK	2617.5	38225	5	25	0	Fig.4
38	QPSK	2575	37800	10	1	0	Fig.5
38	QPSK	2575	37800	10	50	0	Fig.6
38	QPSK	2615	38200	10	1	49	Fig.7
38	QPSK	2615	38200	10	50	0	Fig.8
38	QPSK	2577.5	37825	15	1	0	Fig.9
38	QPSK	2577.5	37825	15	75	0	Fig.10
38	QPSK	2612.5	38175	15	1	74	Fig.11
38	QPSK	2612.5	38175	15	75	0	Fig.12
38	QPSK	2580	37850	20	1	0	Fig.13
38	QPSK	2580	37850	20	100	0	Fig.14
38	QPSK	2610	38150	20	1	99	Fig.15
38	QPSK	2610	38150	20	100	0	Fig.16

Test Mode: QPSK

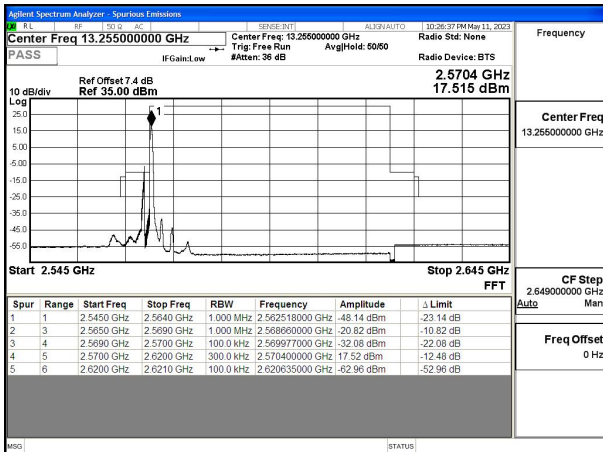


Fig.1

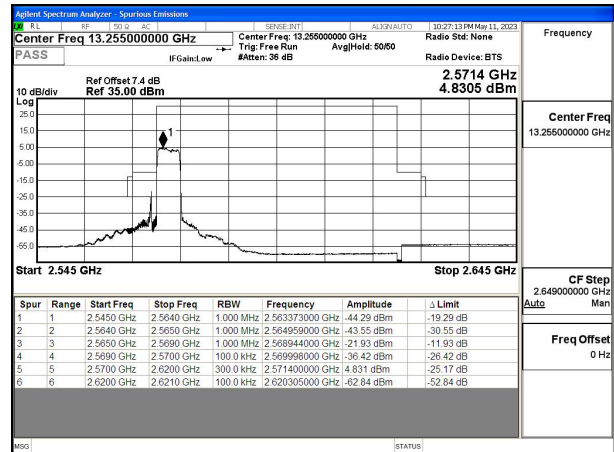


Fig.2

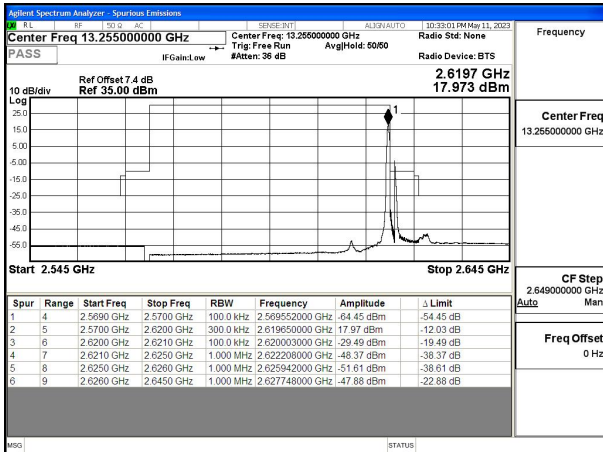


Fig.3

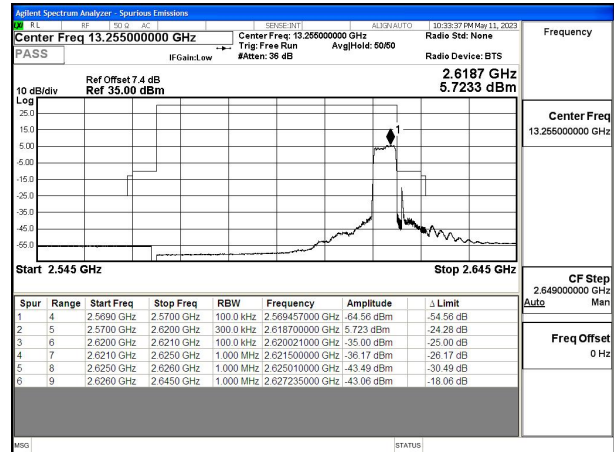


Fig.4

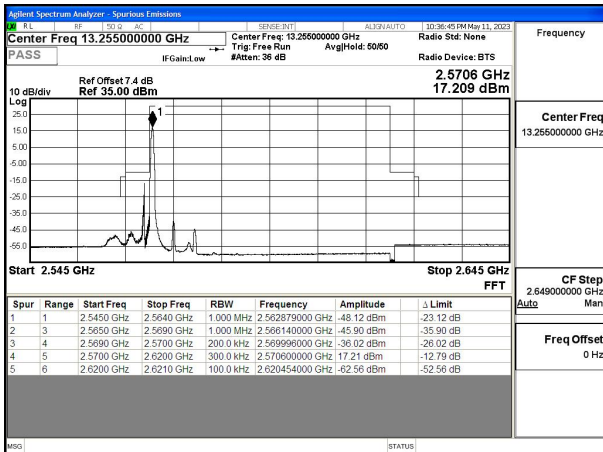


Fig.5

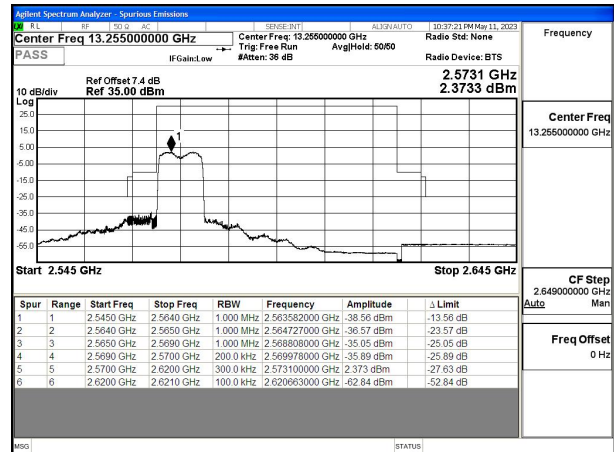


Fig.6

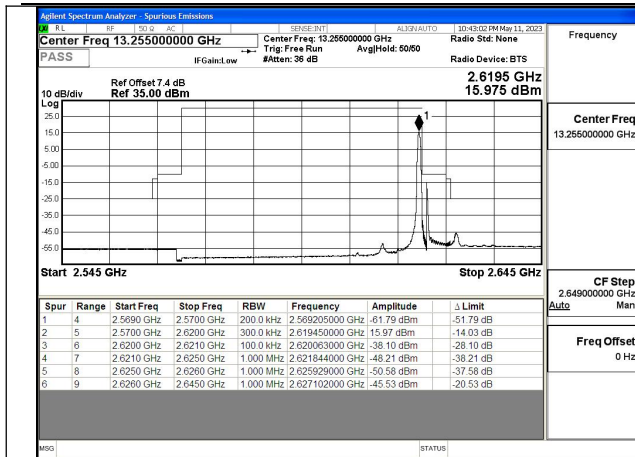


Fig.7

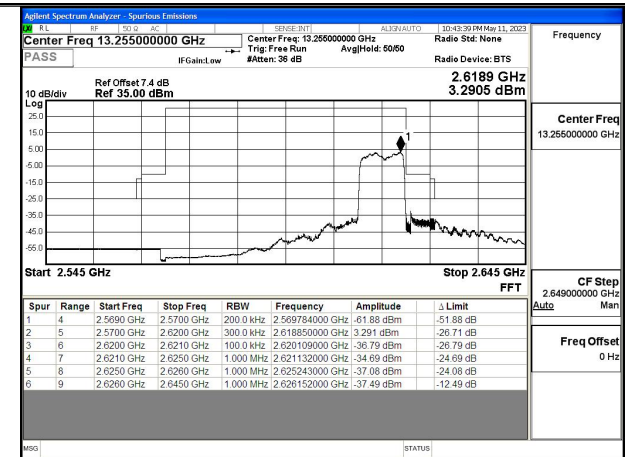


Fig.8

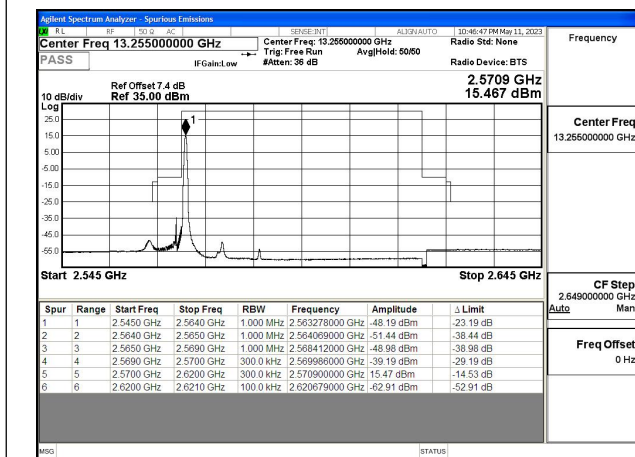


Fig.9

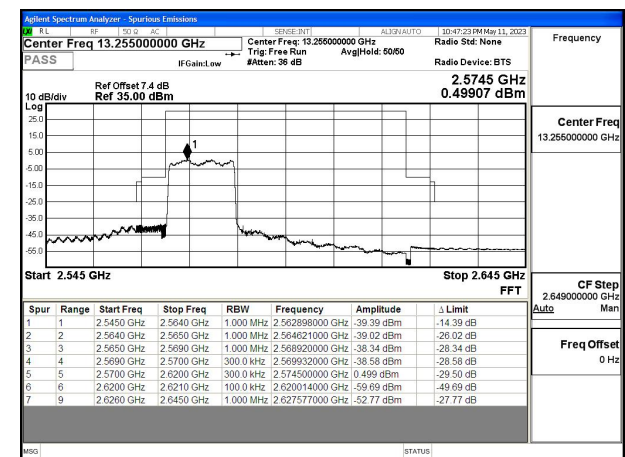


Fig.10

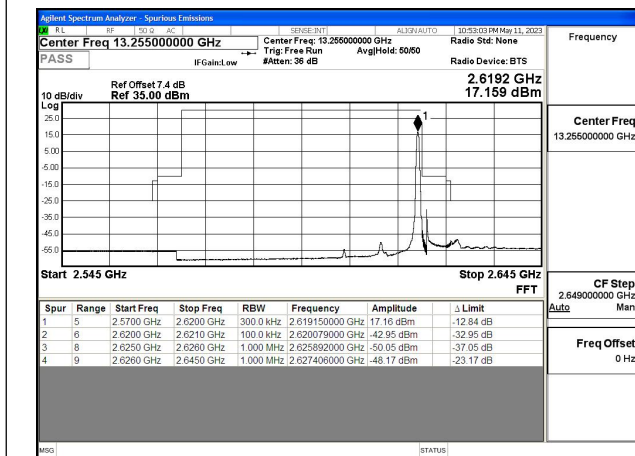


Fig.11

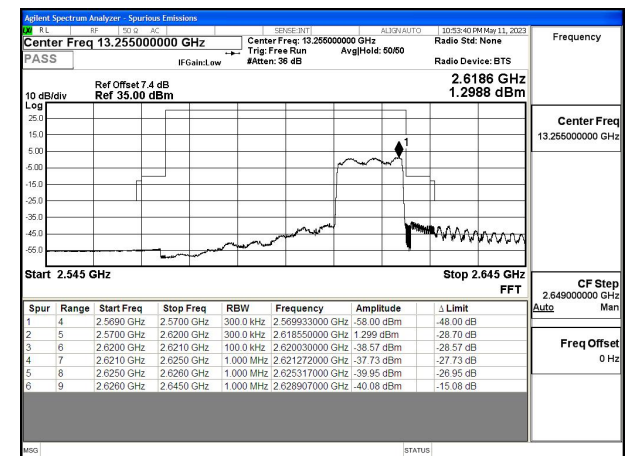


Fig.12

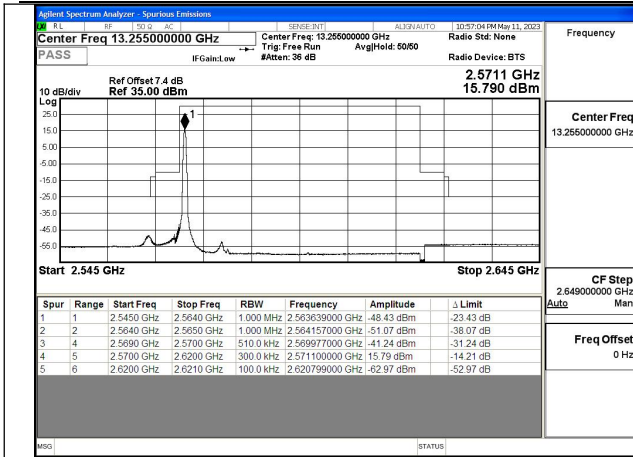


Fig.13

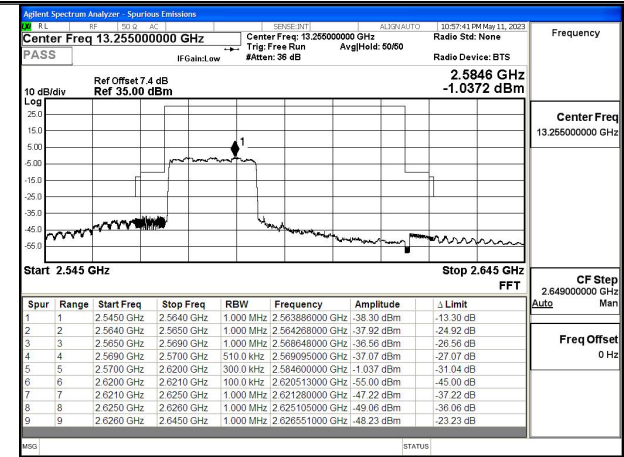


Fig.14

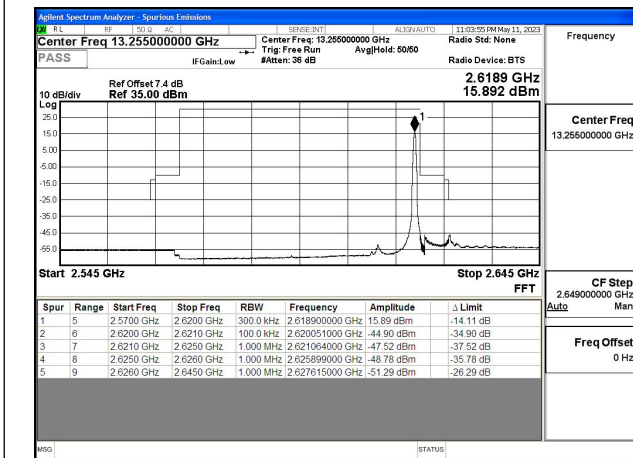


Fig.15

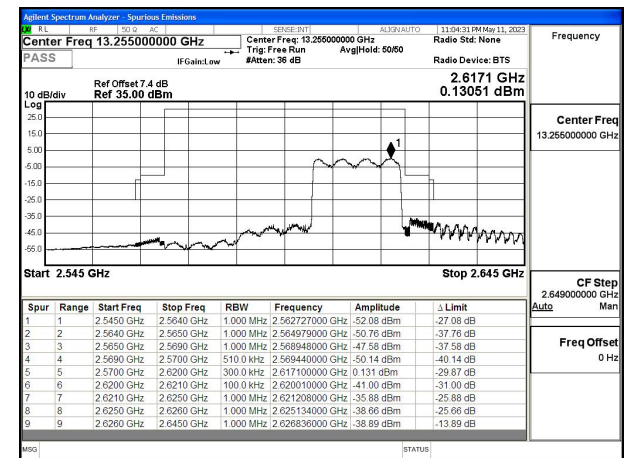


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.000	0.002	-0.002	-0.003
0	NV	0.000	0.000	-0.003	-0.002
+10	NV	-0.002	0.002	-0.002	-0.002
+20	NV	0.003	-0.003	-0.002	-0.001
+30	NV	-0.002	0.001	-0.002	0.001
+40	NV	-0.001	-0.001	-0.002	-0.002
+50	NV	0.000	0.000	-0.003	0.001
+55	NV	-0.002	0.000	-0.002	0.001
+20	LV	-0.002	-0.001	-0.003	-0.003
+20	HV	-0.003	-0.001	-0.004	-0.003

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.002	0.001	0.002	0.001
0	NV	0.001	-0.004	-0.003	-0.003
+10	NV	0.001	0.002	-0.002	-0.002
+20	NV	0.001	0.003	-0.001	-0.002
+30	NV	0.000	-0.003	-0.002	-0.003
+40	NV	-0.001	-0.004	-0.002	0.002
+50	NV	-0.002	0.002	0.001	-0.002
+55	NV	0.002	-0.003	-0.002	0.002
+20	LV	-0.002	0.002	-0.003	-0.005
+20	HV	0.001	-0.002	-0.001	-0.003

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	2572.5	37775	5	1	0	22.77	18.27	0.067
QPSK	2572.5	37775	5	1	12	22.84	18.34	0.068
QPSK	2572.5	37775	5	1	24	22.62	18.12	0.065
QPSK	2572.5	37775	5	12	0	21.85	17.35	0.054
QPSK	2572.5	37775	5	12	7	21.93	17.43	0.055
QPSK	2572.5	37775	5	12	13	21.86	17.36	0.054
QPSK	2572.5	37775	5	25	0	21.91	17.41	0.055
QPSK	2595	38000	5	1	0	22.75	18.25	0.067
QPSK	2595	38000	5	1	12	22.71	18.21	0.066
QPSK	2595	38000	5	1	24	22.94	18.44	0.070
QPSK	2595	38000	5	12	0	21.70	17.20	0.052
QPSK	2595	38000	5	12	7	21.78	17.28	0.053
QPSK	2595	38000	5	12	13	21.68	17.18	0.052
QPSK	2595	38000	5	25	0	21.64	17.14	0.052
QPSK	2617.5	38225	5	1	0	22.34	17.84	0.061
QPSK	2617.5	38225	5	1	12	22.44	17.94	0.062
QPSK	2617.5	38225	5	1	24	22.45	17.95	0.062
QPSK	2617.5	38225	5	12	0	21.55	17.05	0.051
QPSK	2617.5	38225	5	12	7	21.61	17.11	0.051
QPSK	2617.5	38225	5	12	13	21.52	17.02	0.050
QPSK	2617.5	38225	5	25	0	21.49	16.99	0.050

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2572.5	37775	5	1	0	21.99	17.49	0.056
16QAM	2572.5	37775	5	1	12	22.21	17.71	0.059
16QAM	2572.5	37775	5	1	24	22.11	17.61	0.058
16QAM	2572.5	37775	5	12	0	20.85	16.35	0.043
16QAM	2572.5	37775	5	12	7	20.93	16.43	0.044
16QAM	2572.5	37775	5	12	13	20.92	16.42	0.044
16QAM	2572.5	37775	5	25	0	20.77	16.27	0.042
16QAM	2595	38000	5	1	0	22.36	17.86	0.061
16QAM	2595	38000	5	1	12	22.55	18.05	0.064
16QAM	2595	38000	5	1	24	22.15	17.65	0.058
16QAM	2595	38000	5	12	0	20.80	16.30	0.043
16QAM	2595	38000	5	12	7	20.93	16.43	0.044
16QAM	2595	38000	5	12	13	20.78	16.28	0.042
16QAM	2595	38000	5	25	0	20.65	16.15	0.041
16QAM	2617.5	38225	5	1	0	21.90	17.40	0.055
16QAM	2617.5	38225	5	1	12	21.62	17.12	0.052
16QAM	2617.5	38225	5	1	24	21.78	17.28	0.053
16QAM	2617.5	38225	5	12	0	20.61	16.11	0.041
16QAM	2617.5	38225	5	12	7	20.57	16.07	0.040
16QAM	2617.5	38225	5	12	13	20.63	16.13	0.041
16QAM	2617.5	38225	5	25	0	20.56	16.06	0.040
64QAM	2572.5	37775	5	1	0	22.14	17.64	0.058
64QAM	2572.5	37775	5	1	12	22.05	17.55	0.057
64QAM	2572.5	37775	5	1	24	22.03	17.53	0.057
64QAM	2572.5	37775	5	12	0	20.86	16.36	0.043
64QAM	2572.5	37775	5	12	7	20.86	16.36	0.043
64QAM	2572.5	37775	5	12	13	20.88	16.38	0.043
64QAM	2572.5	37775	5	25	0	20.76	16.26	0.042
64QAM	2595	38000	5	1	0	22.10	17.60	0.058
64QAM	2595	38000	5	1	12	22.04	17.54	0.057
64QAM	2595	38000	5	1	24	21.84	17.34	0.054
64QAM	2595	38000	5	12	0	20.68	16.18	0.041
64QAM	2595	38000	5	12	7	20.78	16.28	0.042
64QAM	2595	38000	5	12	13	20.76	16.26	0.042
64QAM	2595	38000	5	25	0	20.67	16.17	0.041
64QAM	2617.5	38225	5	1	0	21.75	17.25	0.053
64QAM	2617.5	38225	5	1	12	21.69	17.19	0.052
64QAM	2617.5	38225	5	1	24	21.43	16.93	0.049
64QAM	2617.5	38225	5	12	0	20.52	16.02	0.040
64QAM	2617.5	38225	5	12	7	20.57	16.07	0.040
64QAM	2617.5	38225	5	12	13	20.48	15.98	0.040
64QAM	2617.5	38225	5	25	0	20.55	16.05	0.040

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2575	37800	10	1	0	22.86	18.36	0.069
QPSK	2575	37800	10	1	25	22.78	18.28	0.067
QPSK	2575	37800	10	1	49	22.86	18.36	0.069
QPSK	2575	37800	10	25	0	21.69	17.19	0.052
QPSK	2575	37800	10	25	12	21.93	17.43	0.055
QPSK	2575	37800	10	25	25	21.93	17.43	0.055
QPSK	2575	37800	10	50	0	21.87	17.37	0.055
QPSK	2595	38000	10	1	0	22.87	18.37	0.069
QPSK	2595	38000	10	1	25	22.85	18.35	0.068
QPSK	2595	38000	10	1	49	22.63	18.13	0.065
QPSK	2595	38000	10	25	0	21.72	17.22	0.053
QPSK	2595	38000	10	25	12	21.70	17.20	0.052
QPSK	2595	38000	10	25	25	21.69	17.19	0.052
QPSK	2595	38000	10	50	0	21.63	17.13	0.052
QPSK	2615	38200	10	1	0	22.44	17.94	0.062
QPSK	2615	38200	10	1	25	22.67	18.17	0.066
QPSK	2615	38200	10	1	49	22.55	18.05	0.064
QPSK	2615	38200	10	25	0	21.45	16.95	0.050
QPSK	2615	38200	10	25	12	21.46	16.96	0.050
QPSK	2615	38200	10	25	25	21.53	17.03	0.050
QPSK	2615	38200	10	50	0	21.50	17.00	0.050

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.24	17.74	0.059
16QAM	2575	37800	10	1	25	21.94	17.44	0.055
16QAM	2575	37800	10	1	49	22.10	17.60	0.058
16QAM	2575	37800	10	25	0	20.83	16.33	0.043
16QAM	2575	37800	10	25	12	21.03	16.53	0.045
16QAM	2575	37800	10	25	25	20.88	16.38	0.043
16QAM	2575	37800	10	50	0	20.83	16.33	0.043
16QAM	2595	38000	10	1	0	21.90	17.40	0.055
16QAM	2595	38000	10	1	25	22.10	17.60	0.058
16QAM	2595	38000	10	1	49	21.75	17.25	0.053
16QAM	2595	38000	10	25	0	20.78	16.28	0.042
16QAM	2595	38000	10	25	12	20.70	16.20	0.042
16QAM	2595	38000	10	25	25	20.69	16.19	0.042
16QAM	2595	38000	10	50	0	20.63	16.13	0.041
16QAM	2615	38200	10	1	0	21.78	17.28	0.053
16QAM	2615	38200	10	1	25	22.22	17.72	0.059
16QAM	2615	38200	10	1	49	21.80	17.30	0.054
16QAM	2615	38200	10	25	0	20.51	16.01	0.040
16QAM	2615	38200	10	25	12	20.52	16.02	0.040
16QAM	2615	38200	10	25	25	20.57	16.07	0.040
16QAM	2615	38200	10	50	0	20.47	15.97	0.040
64QAM	2575	37800	10	1	0	21.94	17.44	0.055
64QAM	2575	37800	10	1	25	21.82	17.32	0.054
64QAM	2575	37800	10	1	49	21.77	17.27	0.053
64QAM	2575	37800	10	25	0	20.90	16.40	0.044
64QAM	2575	37800	10	25	12	21.05	16.55	0.045
64QAM	2575	37800	10	25	25	21.03	16.53	0.045
64QAM	2575	37800	10	50	0	20.85	16.35	0.043
64QAM	2595	38000	10	1	0	21.98	17.48	0.056
64QAM	2595	38000	10	1	25	21.96	17.46	0.056
64QAM	2595	38000	10	1	49	21.58	17.08	0.051
64QAM	2595	38000	10	25	0	20.68	16.18	0.041
64QAM	2595	38000	10	25	12	20.76	16.26	0.042
64QAM	2595	38000	10	25	25	20.69	16.19	0.042
64QAM	2595	38000	10	50	0	20.68	16.18	0.041
64QAM	2615	38200	10	1	0	21.73	17.23	0.053
64QAM	2615	38200	10	1	25	21.71	17.21	0.053
64QAM	2615	38200	10	1	49	21.30	16.80	0.048
64QAM	2615	38200	10	25	0	20.38	15.88	0.039
64QAM	2615	38200	10	25	12	20.56	16.06	0.040
64QAM	2615	38200	10	25	25	20.55	16.05	0.040
64QAM	2615	38200	10	50	0	20.45	15.95	0.039

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2577.5	37825	15	1	0	23.28	18.78	0.076
QPSK	2577.5	37825	15	1	37	23.31	18.81	0.076
QPSK	2577.5	37825	15	1	74	23.23	18.73	0.075
QPSK	2577.5	37825	15	36	0	21.68	17.18	0.052
QPSK	2577.5	37825	15	36	29	21.78	17.28	0.053
QPSK	2577.5	37825	15	36	30	21.73	17.23	0.053
QPSK	2577.5	37825	15	75	0	21.85	17.35	0.054
QPSK	2595	38000	15	1	0	23.26	18.76	0.075
QPSK	2595	38000	15	1	37	23.17	18.67	0.074
QPSK	2595	38000	15	1	74	22.99	18.49	0.071
QPSK	2595	38000	15	36	0	21.64	17.14	0.052
QPSK	2595	38000	15	36	29	21.63	17.13	0.052
QPSK	2595	38000	15	36	30	21.59	17.09	0.051
QPSK	2595	38000	15	75	0	21.55	17.05	0.051
QPSK	2612.5	38175	15	1	0	22.92	18.42	0.070
QPSK	2612.5	38175	15	1	37	22.82	18.32	0.068
QPSK	2612.5	38175	15	1	74	22.76	18.26	0.067
QPSK	2612.5	38175	15	36	0	21.38	16.88	0.049
QPSK	2612.5	38175	15	36	29	21.35	16.85	0.048
QPSK	2612.5	38175	15	36	30	21.39	16.89	0.049
QPSK	2612.5	38175	15	75	0	21.38	16.88	0.049

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2577.5	37825	15	1	0	22.11	17.61	0.058
16QAM	2577.5	37825	15	1	37	21.80	17.30	0.054
16QAM	2577.5	37825	15	1	74	21.71	17.21	0.053
16QAM	2577.5	37825	15	36	0	20.71	16.21	0.042
16QAM	2577.5	37825	15	36	29	20.82	16.32	0.043
16QAM	2577.5	37825	15	36	30	20.74	16.24	0.042
16QAM	2577.5	37825	15	75	0	20.80	16.30	0.043
16QAM	2595	38000	15	1	0	22.26	17.76	0.060
16QAM	2595	38000	15	1	37	22.29	17.79	0.060
16QAM	2595	38000	15	1	74	21.33	16.83	0.048
16QAM	2595	38000	15	36	0	20.67	16.17	0.041
16QAM	2595	38000	15	36	29	20.69	16.19	0.042
16QAM	2595	38000	15	36	30	20.58	16.08	0.041
16QAM	2595	38000	15	75	0	20.60	16.10	0.041
16QAM	2612.5	38175	15	1	0	21.69	17.19	0.052
16QAM	2612.5	38175	15	1	37	21.59	17.09	0.051
16QAM	2612.5	38175	15	1	74	21.23	16.73	0.047
16QAM	2612.5	38175	15	36	0	20.42	15.92	0.039
16QAM	2612.5	38175	15	36	29	20.53	16.03	0.040
16QAM	2612.5	38175	15	36	30	20.40	15.90	0.039
16QAM	2612.5	38175	15	75	0	20.29	15.79	0.038
64QAM	2577.5	37825	15	1	0	21.63	17.13	0.052
64QAM	2577.5	37825	15	1	37	22.08	17.58	0.057
64QAM	2577.5	37825	15	1	74	21.84	17.34	0.054
64QAM	2577.5	37825	15	36	0	20.67	16.17	0.041
64QAM	2577.5	37825	15	36	29	20.79	16.29	0.043
64QAM	2577.5	37825	15	36	30	20.74	16.24	0.042
64QAM	2577.5	37825	15	75	0	20.70	16.20	0.042
64QAM	2595	38000	15	1	0	21.89	17.39	0.055
64QAM	2595	38000	15	1	37	21.51	17.01	0.050
64QAM	2595	38000	15	1	74	21.59	17.09	0.051
64QAM	2595	38000	15	36	0	20.58	16.08	0.041
64QAM	2595	38000	15	36	29	20.43	15.93	0.039
64QAM	2595	38000	15	36	30	20.61	16.11	0.041
64QAM	2595	38000	15	75	0	20.57	16.07	0.040
64QAM	2612.5	38175	15	1	0	21.65	17.15	0.052
64QAM	2612.5	38175	15	1	37	21.64	17.14	0.052
64QAM	2612.5	38175	15	1	74	21.51	17.01	0.050
64QAM	2612.5	38175	15	36	0	20.38	15.88	0.039
64QAM	2612.5	38175	15	36	29	20.57	16.07	0.040
64QAM	2612.5	38175	15	36	30	20.46	15.96	0.039
64QAM	2612.5	38175	15	75	0	20.37	15.87	0.039

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2580	37850	20	1	0	23.37	18.87	0.077
QPSK	2580	37850	20	1	49	23.33	18.83	0.076
QPSK	2580	37850	20	1	99	22.95	18.45	0.070
QPSK	2580	37850	20	50	0	21.70	17.20	0.052
QPSK	2580	37850	20	50	24	21.82	17.32	0.054
QPSK	2580	37850	20	50	50	21.75	17.25	0.053
QPSK	2580	37850	20	100	0	21.87	17.37	0.055
QPSK	2595	38000	20	1	0	23.26	18.76	0.075
QPSK	2595	38000	20	1	49	22.49	17.99	0.063
QPSK	2595	38000	20	1	99	22.86	18.36	0.069
QPSK	2595	38000	20	50	0	21.70	17.20	0.052
QPSK	2595	38000	20	50	24	21.61	17.11	0.051
QPSK	2595	38000	20	50	50	21.55	17.05	0.051
QPSK	2595	38000	20	100	0	21.57	17.07	0.051
QPSK	2610	38150	20	1	0	23.03	18.53	0.071
QPSK	2610	38150	20	1	49	22.32	17.82	0.061
QPSK	2610	38150	20	1	99	22.74	18.24	0.067
QPSK	2610	38150	20	50	0	21.51	17.01	0.050
QPSK	2610	38150	20	50	24	21.37	16.87	0.049
QPSK	2610	38150	20	50	50	21.46	16.96	0.050
QPSK	2610	38150	20	100	0	21.31	16.81	0.048

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2580	37850	20	1	0	21.80	17.30	0.054
16QAM	2580	37850	20	1	49	21.89	17.39	0.055
16QAM	2580	37850	20	1	99	21.52	17.02	0.050
16QAM	2580	37850	20	50	0	20.68	16.18	0.041
16QAM	2580	37850	20	50	24	20.80	16.30	0.043
16QAM	2580	37850	20	50	50	20.82	16.32	0.043
16QAM	2580	37850	20	100	0	20.77	16.27	0.042
16QAM	2595	38000	20	1	0	22.17	17.67	0.058
16QAM	2595	38000	20	1	49	21.90	17.40	0.055
16QAM	2595	38000	20	1	99	21.30	16.80	0.048
16QAM	2595	38000	20	50	0	20.60	16.10	0.041
16QAM	2595	38000	20	50	24	20.57	16.07	0.040
16QAM	2595	38000	20	50	50	20.59	16.09	0.041
16QAM	2595	38000	20	100	0	20.51	16.01	0.040
16QAM	2610	38150	20	1	0	21.74	17.24	0.053
16QAM	2610	38150	20	1	49	21.51	17.01	0.050
16QAM	2610	38150	20	1	99	21.54	17.04	0.051
16QAM	2610	38150	20	50	0	20.41	15.91	0.039
16QAM	2610	38150	20	50	24	20.45	15.95	0.039
16QAM	2610	38150	20	50	50	20.55	16.05	0.040
16QAM	2610	38150	20	100	0	20.38	15.88	0.039
64QAM	2580	37850	20	1	0	22.10	17.60	0.058
64QAM	2580	37850	20	1	49	21.85	17.35	0.054
64QAM	2580	37850	20	1	99	21.62	17.12	0.052
64QAM	2580	37850	20	50	0	20.65	16.15	0.041
64QAM	2580	37850	20	50	24	20.84	16.34	0.043
64QAM	2580	37850	20	50	50	20.72	16.22	0.042
64QAM	2580	37850	20	100	0	20.75	16.25	0.042
64QAM	2595	38000	20	1	0	21.68	17.18	0.052
64QAM	2595	38000	20	1	49	21.80	17.30	0.054
64QAM	2595	38000	20	1	99	21.42	16.92	0.049
64QAM	2595	38000	20	50	0	20.66	16.16	0.041
64QAM	2595	38000	20	50	24	20.64	16.14	0.041
64QAM	2595	38000	20	50	50	20.57	16.07	0.040
64QAM	2595	38000	20	100	0	20.53	16.03	0.040
64QAM	2610	38150	20	1	0	21.72	17.22	0.053
64QAM	2610	38150	20	1	49	21.58	17.08	0.051
64QAM	2610	38150	20	1	99	21.38	16.88	0.049
64QAM	2610	38150	20	50	0	20.44	15.94	0.039
64QAM	2610	38150	20	50	24	20.28	15.78	0.038
64QAM	2610	38150	20	50	50	20.50	16.00	0.040
64QAM	2610	38150	20	100	0	20.40	15.90	0.039