

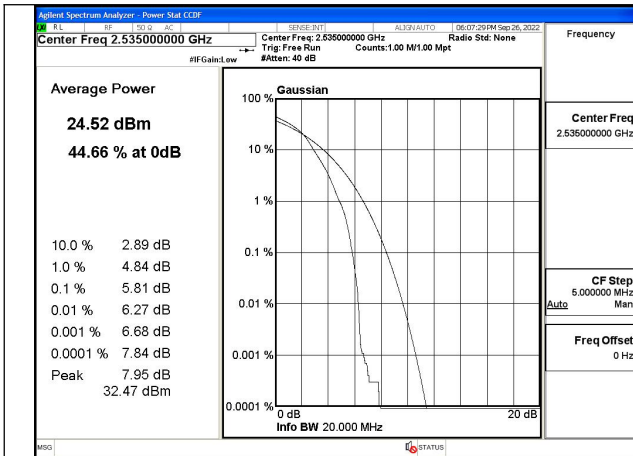


Fig.61

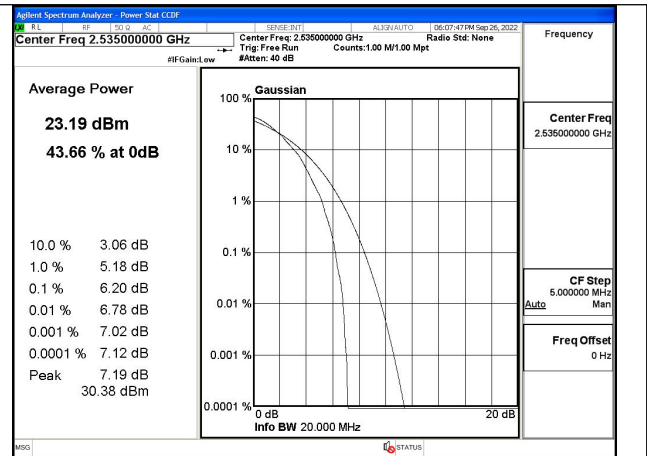


Fig.62

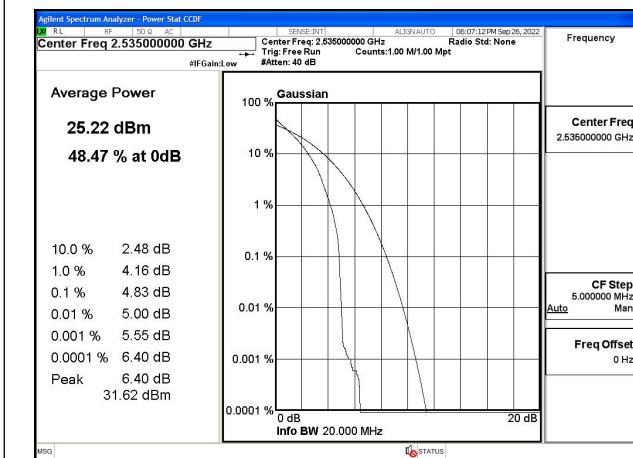


Fig.63

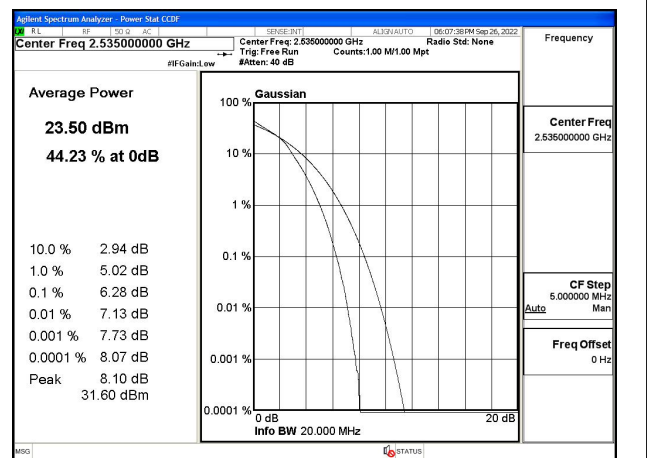


Fig.64

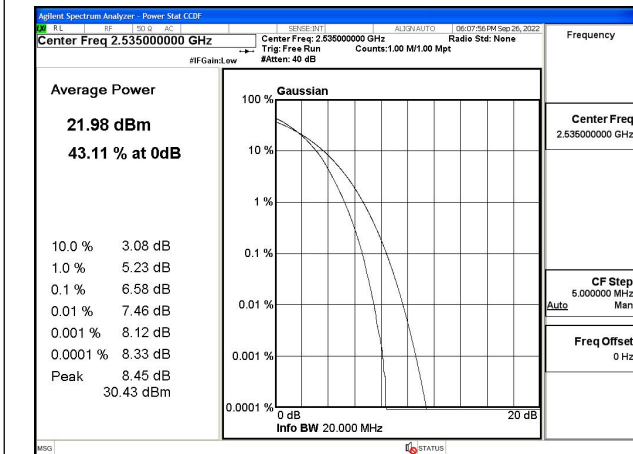


Fig.65

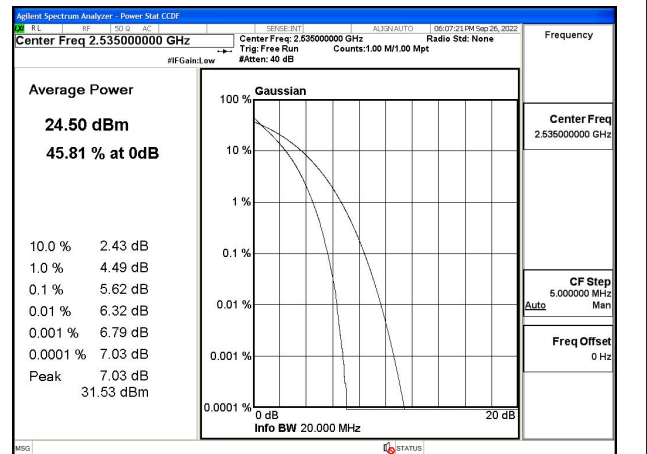


Fig.66

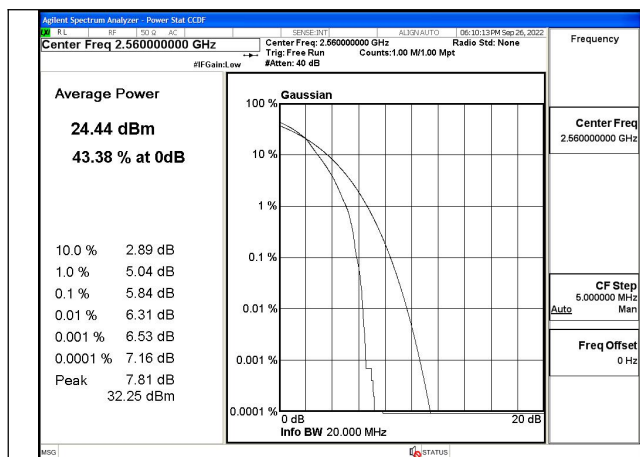


Fig.67

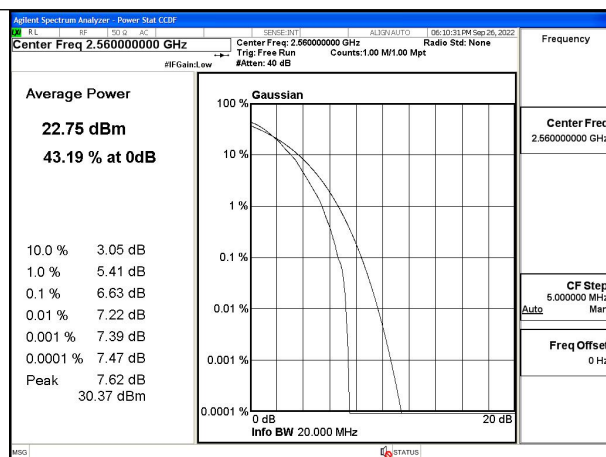


Fig.68

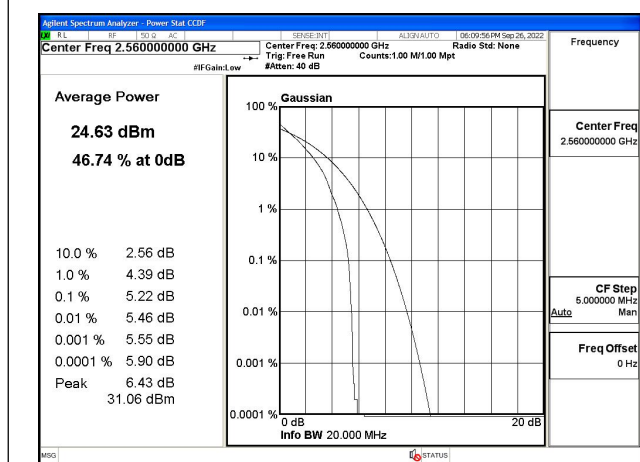


Fig.69

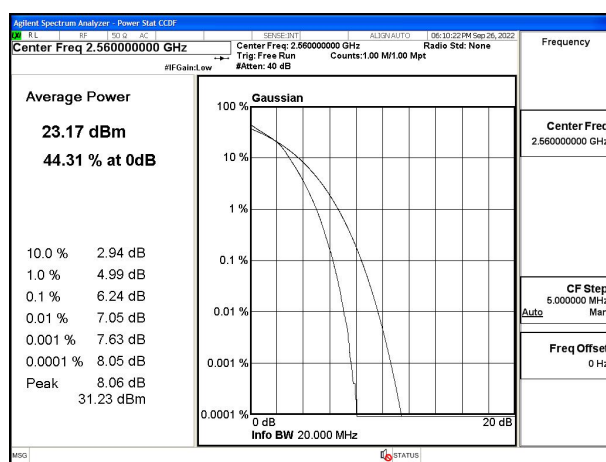


Fig.70

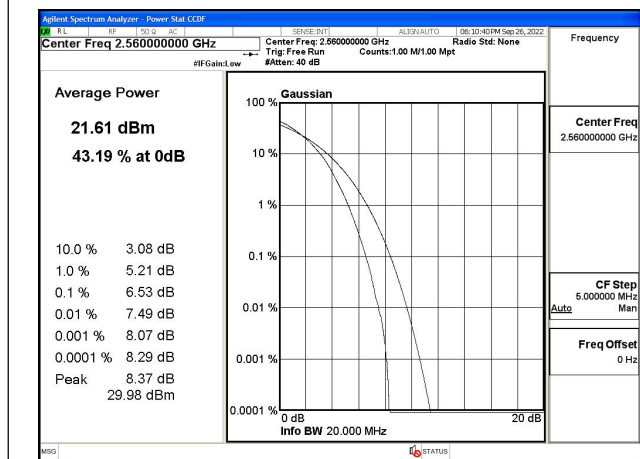


Fig.71

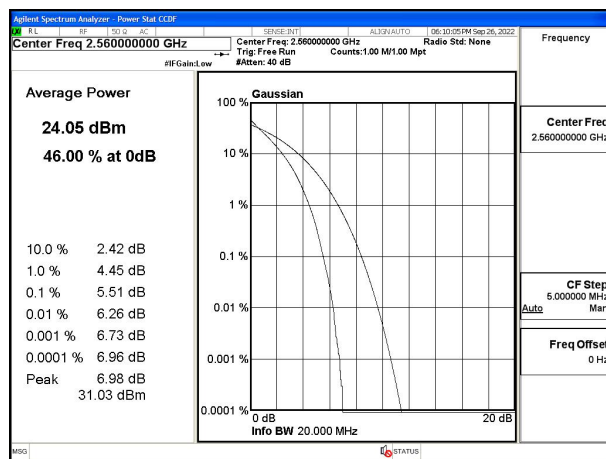


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	0	Fig.1
7	2535	21100	20	1	0	Fig.2
7	2560	21350	20	1	0	Fig.3

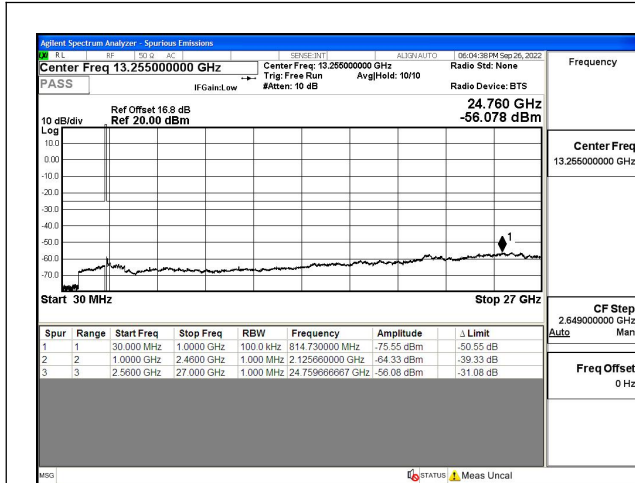


Fig.1

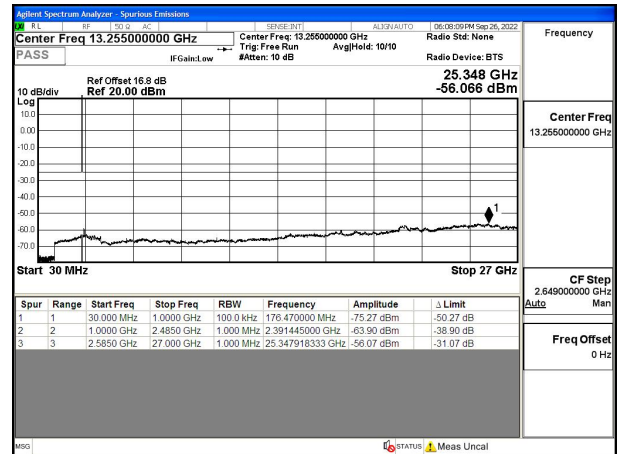


Fig.2

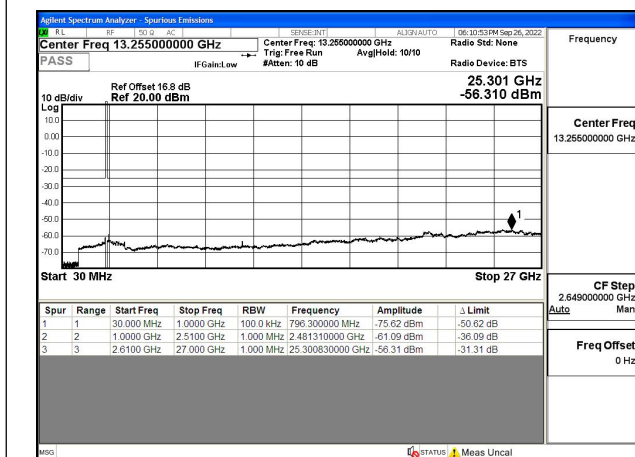


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
7	QPSK	2502.5	20775	5	1	0	Fig.1
7	QPSK	2502.5	20775	5	25	0	Fig.2
7	QPSK	2567.5	21425	5	1	24	Fig.3
7	QPSK	2567.5	21425	5	25	0	Fig.4
7	QPSK	2505	20800	10	1	0	Fig.5
7	QPSK	2505	20800	10	50	0	Fig.6
7	QPSK	2565	21400	10	1	49	Fig.7
7	QPSK	2565	21400	10	50	0	Fig.8
7	QPSK	2507.5	20825	15	1	0	Fig.9
7	QPSK	2507.5	20825	15	75	0	Fig.10
7	QPSK	2562.5	21375	15	1	74	Fig.11
7	QPSK	2562.5	21375	15	75	0	Fig.12
7	QPSK	2510	20850	20	1	0	Fig.13
7	QPSK	2510	20850	20	100	0	Fig.14
7	QPSK	2560	21350	20	1	99	Fig.15
7	QPSK	2560	21350	20	100	0	Fig.16

Test Mode: QPSK

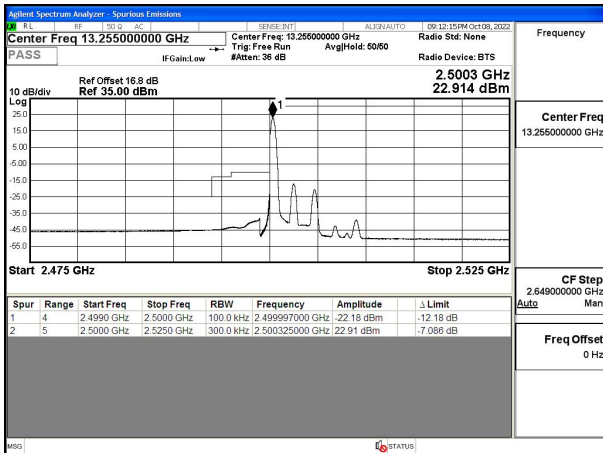


Fig.1

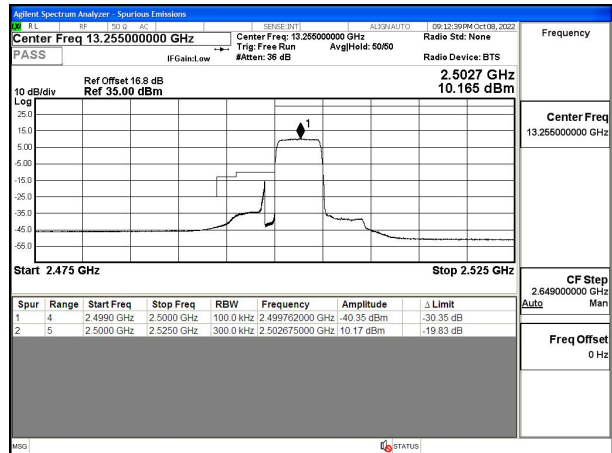


Fig.2

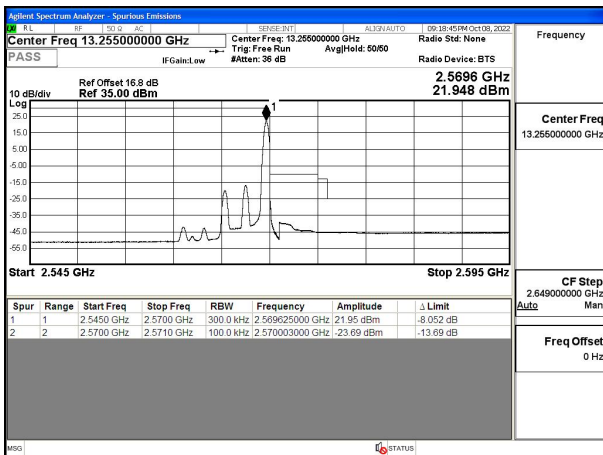


Fig.3

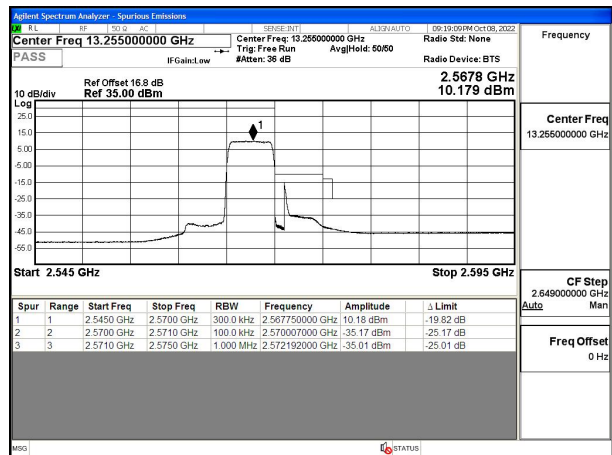


Fig.4

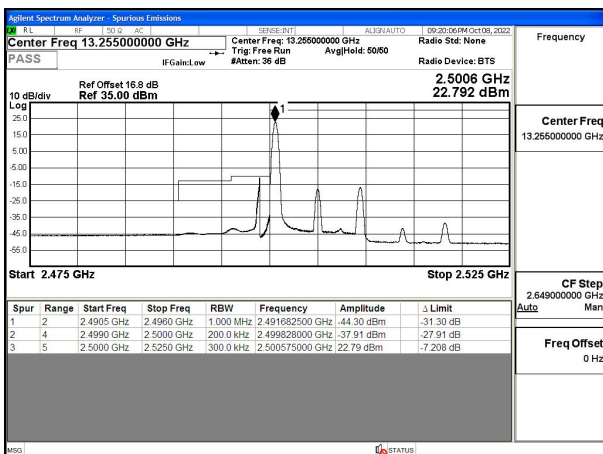


Fig.5

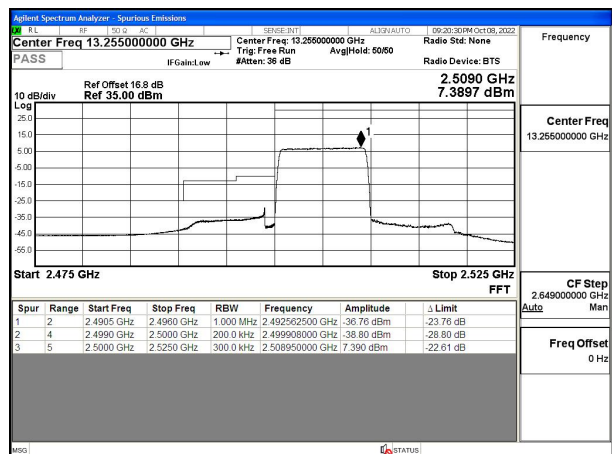


Fig.6

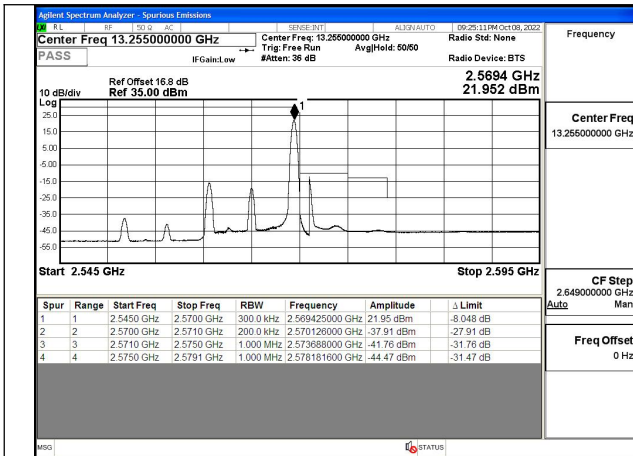


Fig.7

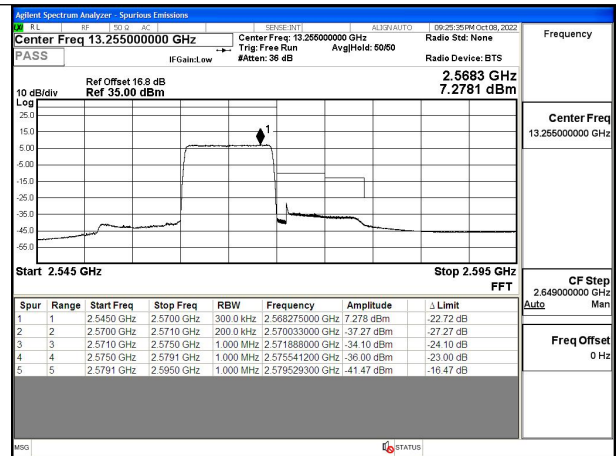


Fig.8

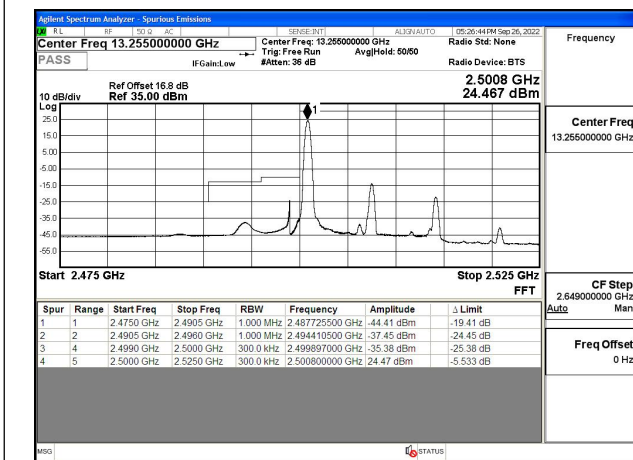


Fig.9

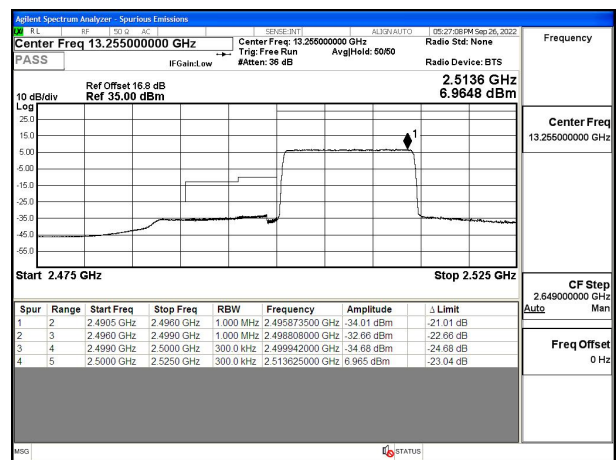


Fig.10

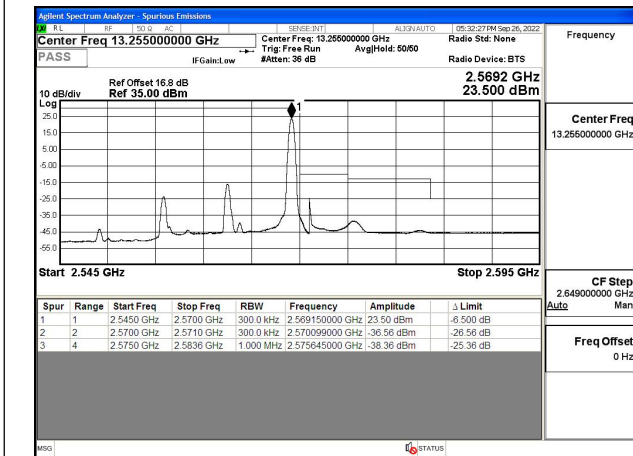


Fig.11

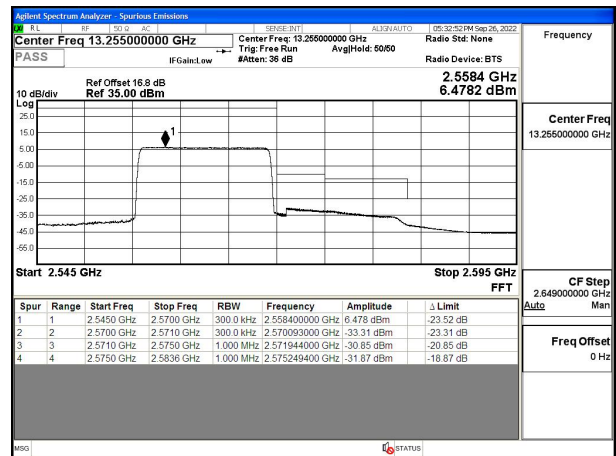


Fig.12

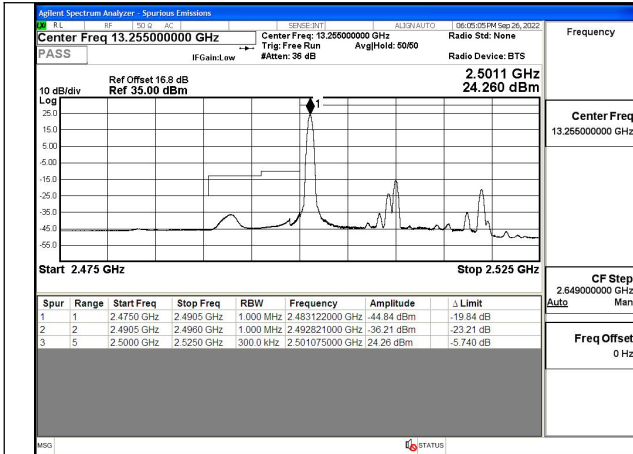


Fig.13

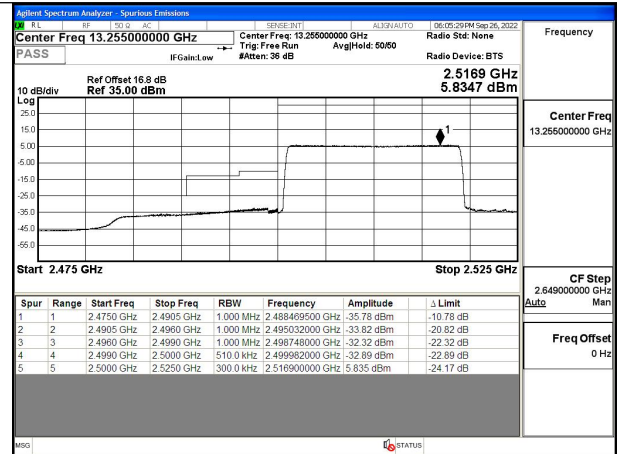


Fig.14

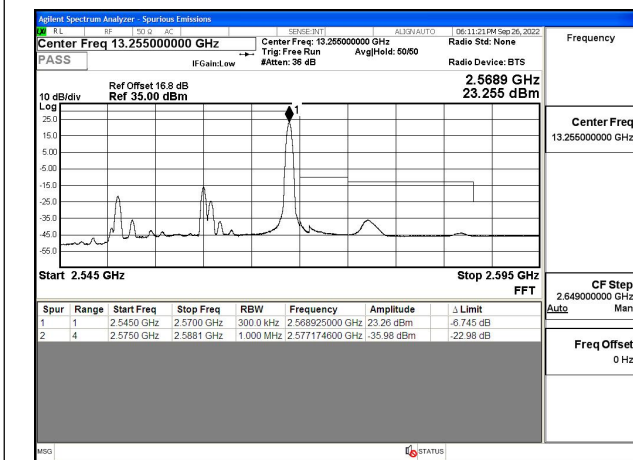


Fig.15

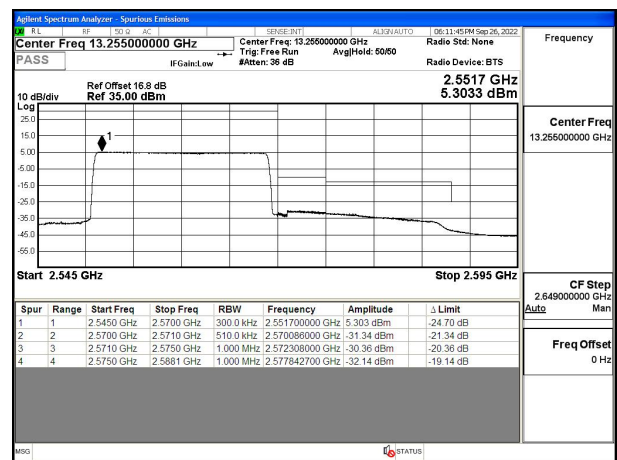


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 7 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.007	0.002	0.005	0.003
0	NV	0.004	0.003	0.005	0.001
+10	NV	0.010	0.012	0.009	0.008
+20	NV	0.011	0.006	0.006	0.002
+30	NV	0.006	0.013	0.003	0.001
+40	NV	0.003	-0.004	0.008	0.005
+50	NV	-0.003	-0.003	-0.002	0.001
+55	NV	-0.002	0.004	0.003	0.005
+20	LV	0.002	0.006	0.002	-0.006
+20	HV	0.007	-0.010	-0.002	0.003

Temperature(°C)	Voltage	Test Result (ppm) Band 7 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	-0.007	-0.010	0.004	0.000
0	NV	-0.012	-0.008	-0.007	-0.012
+10	NV	-0.005	-0.006	-0.012	-0.011
+20	NV	-0.009	-0.013	-0.005	-0.002
+30	NV	-0.005	-0.003	0.002	0.004
+40	NV	-0.005	-0.006	0.001	-0.003
+50	NV	-0.007	-0.003	0.006	0.002
+55	NV	-0.005	0.002	-0.002	0.006
+20	LV	0.004	0.001	-0.006	0.009
+20	HV	-0.011	0.004	-0.004	-0.007

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	2502.5	20775	5	1	0	24.87	19.32	0.086
QPSK	2502.5	20775	5	1	12	25.10	19.55	0.090
QPSK	2502.5	20775	5	1	24	25.17	19.62	0.092
QPSK	2502.5	20775	5	12	0	24.38	18.83	0.076
QPSK	2502.5	20775	5	12	7	24.32	18.77	0.075
QPSK	2502.5	20775	5	12	13	24.25	18.70	0.074
QPSK	2502.5	20775	5	25	0	24.18	18.63	0.073
QPSK	2535	21100	5	1	0	25.58	20.03	0.101
QPSK	2535	21100	5	1	12	25.56	20.01	0.100
QPSK	2535	21100	5	1	24	25.47	19.92	0.098
QPSK	2535	21100	5	12	0	24.33	18.78	0.076
QPSK	2535	21100	5	12	7	24.37	18.82	0.076
QPSK	2535	21100	5	12	13	24.25	18.70	0.074
QPSK	2535	21100	5	25	0	24.37	18.82	0.076
QPSK	2567.5	21425	5	1	0	25.63	20.08	0.102
QPSK	2567.5	21425	5	1	12	25.53	19.98	0.100
QPSK	2567.5	21425	5	1	24	25.41	19.86	0.097
QPSK	2567.5	21425	5	12	0	24.12	18.57	0.072
QPSK	2567.5	21425	5	12	7	24.29	18.74	0.075
QPSK	2567.5	21425	5	12	13	24.09	18.54	0.071
QPSK	2567.5	21425	5	25	0	24.17	18.62	0.073

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2502.5	20775	5	1	0	24.58	19.03	0.080
16QAM	2502.5	20775	5	1	12	24.37	18.82	0.076
16QAM	2502.5	20775	5	1	24	24.45	18.90	0.078
16QAM	2502.5	20775	5	12	0	23.47	17.92	0.062
16QAM	2502.5	20775	5	12	7	23.31	17.76	0.060
16QAM	2502.5	20775	5	12	13	23.22	17.67	0.058
16QAM	2502.5	20775	5	25	0	23.20	17.65	0.058
16QAM	2535	21100	5	1	0	24.33	18.78	0.076
16QAM	2535	21100	5	1	12	24.70	19.15	0.082
16QAM	2535	21100	5	1	24	24.52	18.97	0.079
16QAM	2535	21100	5	12	0	23.40	17.85	0.061
16QAM	2535	21100	5	12	7	23.47	17.92	0.062
16QAM	2535	21100	5	12	13	23.32	17.77	0.060
16QAM	2535	21100	5	25	0	23.75	18.20	0.066
16QAM	2567.5	21425	5	1	0	24.36	18.81	0.076
16QAM	2567.5	21425	5	1	12	24.36	18.81	0.076
16QAM	2567.5	21425	5	1	24	24.36	18.81	0.076
16QAM	2567.5	21425	5	12	0	23.32	17.77	0.060
16QAM	2567.5	21425	5	12	7	23.16	17.61	0.058
16QAM	2567.5	21425	5	12	13	23.15	17.60	0.058
16QAM	2567.5	21425	5	25	0	23.50	17.95	0.062
64QAM	2502.5	20775	5	1	0	23.86	18.31	0.068
64QAM	2502.5	20775	5	1	12	23.41	17.86	0.061
64QAM	2502.5	20775	5	1	24	23.59	18.04	0.064
64QAM	2502.5	20775	5	12	0	22.20	16.65	0.046
64QAM	2502.5	20775	5	12	7	21.76	16.21	0.042
64QAM	2502.5	20775	5	12	13	21.79	16.24	0.042
64QAM	2502.5	20775	5	25	0	22.13	16.58	0.045
64QAM	2535	21100	5	1	0	24.15	18.60	0.072
64QAM	2535	21100	5	1	12	24.19	18.64	0.073
64QAM	2535	21100	5	1	24	24.24	18.69	0.074
64QAM	2535	21100	5	12	0	21.95	16.40	0.044
64QAM	2535	21100	5	12	7	21.95	16.40	0.044
64QAM	2535	21100	5	12	13	22.39	16.84	0.048
64QAM	2535	21100	5	25	0	22.13	16.58	0.045
64QAM	2567.5	21425	5	1	0	23.82	18.27	0.067
64QAM	2567.5	21425	5	1	12	23.84	18.29	0.067
64QAM	2567.5	21425	5	1	24	23.06	17.51	0.056
64QAM	2567.5	21425	5	12	0	21.93	16.38	0.043
64QAM	2567.5	21425	5	12	7	21.69	16.14	0.041
64QAM	2567.5	21425	5	12	13	21.45	15.90	0.039
64QAM	2567.5	21425	5	25	0	21.70	16.15	0.041

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2505	20800	10	1	0	25.33	19.78	0.095
QPSK	2505	20800	10	1	25	25.32	19.77	0.095
QPSK	2505	20800	10	1	49	25.21	19.66	0.092
QPSK	2505	20800	10	25	0	24.33	18.78	0.076
QPSK	2505	20800	10	25	12	24.46	18.91	0.078
QPSK	2505	20800	10	25	25	24.22	18.67	0.074
QPSK	2505	20800	10	50	0	24.44	18.89	0.077
QPSK	2535	21100	10	1	0	25.44	19.89	0.097
QPSK	2535	21100	10	1	25	25.44	19.89	0.097
QPSK	2535	21100	10	1	49	25.49	19.94	0.099
QPSK	2535	21100	10	25	0	24.45	18.90	0.078
QPSK	2535	21100	10	25	12	24.51	18.96	0.079
QPSK	2535	21100	10	25	25	24.36	18.81	0.076
QPSK	2535	21100	10	50	0	24.37	18.82	0.076
QPSK	2565	21400	10	1	0	25.58	20.03	0.101
QPSK	2565	21400	10	1	25	25.55	20.00	0.100
QPSK	2565	21400	10	1	49	25.17	19.62	0.092
QPSK	2565	21400	10	25	0	24.41	18.86	0.077
QPSK	2565	21400	10	25	12	24.50	18.95	0.079
QPSK	2565	21400	10	25	25	24.12	18.57	0.072
QPSK	2565	21400	10	50	0	24.30	18.75	0.075

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2505	20800	10	1	0	24.77	19.22	0.084
16QAM	2505	20800	10	1	25	25.06	19.51	0.089
16QAM	2505	20800	10	1	49	25.20	19.65	0.092
16QAM	2505	20800	10	25	0	23.25	17.70	0.059
16QAM	2505	20800	10	25	12	23.22	17.67	0.058
16QAM	2505	20800	10	25	25	23.31	17.76	0.060
16QAM	2505	20800	10	50	0	23.33	17.78	0.060
16QAM	2535	21100	10	1	0	24.76	19.21	0.083
16QAM	2535	21100	10	1	25	24.69	19.14	0.082
16QAM	2535	21100	10	1	49	25.40	19.85	0.097
16QAM	2535	21100	10	25	0	23.38	17.83	0.061
16QAM	2535	21100	10	25	12	23.44	17.89	0.062
16QAM	2535	21100	10	25	25	23.18	17.63	0.058
16QAM	2535	21100	10	50	0	23.60	18.05	0.064
16QAM	2565	21400	10	1	0	24.84	19.29	0.085
16QAM	2565	21400	10	1	25	24.55	19.00	0.079
16QAM	2565	21400	10	1	49	24.02	18.47	0.070
16QAM	2565	21400	10	25	0	23.56	18.01	0.063
16QAM	2565	21400	10	25	12	23.56	18.01	0.063
16QAM	2565	21400	10	25	25	23.41	17.86	0.061
16QAM	2565	21400	10	50	0	23.36	17.81	0.060
64QAM	2505	20800	10	1	0	24.14	18.59	0.072
64QAM	2505	20800	10	1	25	24.19	18.64	0.073
64QAM	2505	20800	10	1	49	23.94	18.39	0.069
64QAM	2505	20800	10	25	0	22.08	16.53	0.045
64QAM	2505	20800	10	25	12	21.81	16.26	0.042
64QAM	2505	20800	10	25	25	21.71	16.16	0.041
64QAM	2505	20800	10	50	0	22.20	16.65	0.046
64QAM	2535	21100	10	1	0	23.45	17.90	0.062
64QAM	2535	21100	10	1	25	23.32	17.77	0.060
64QAM	2535	21100	10	1	49	23.36	17.81	0.060
64QAM	2535	21100	10	25	0	22.00	16.45	0.044
64QAM	2535	21100	10	25	12	21.81	16.26	0.042
64QAM	2535	21100	10	25	25	22.27	16.72	0.047
64QAM	2535	21100	10	50	0	22.19	16.64	0.046
64QAM	2565	21400	10	1	0	23.79	18.24	0.067
64QAM	2565	21400	10	1	25	23.75	18.20	0.066
64QAM	2565	21400	10	1	49	23.81	18.26	0.067
64QAM	2565	21400	10	25	0	22.03	16.48	0.044
64QAM	2565	21400	10	25	12	22.20	16.65	0.046
64QAM	2565	21400	10	25	25	21.93	16.38	0.043
64QAM	2565	21400	10	50	0	22.51	16.96	0.050

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	25.46	19.91	0.098
QPSK	2507.5	20825	15	1	37	25.48	19.93	0.098
QPSK	2507.5	20825	15	1	74	25.36	19.81	0.096
QPSK	2507.5	20825	15	36	0	24.30	18.75	0.075
QPSK	2507.5	20825	15	36	29	24.44	18.89	0.077
QPSK	2507.5	20825	15	36	30	24.47	18.92	0.078
QPSK	2507.5	20825	15	75	0	24.36	18.81	0.076
QPSK	2535	21100	15	1	0	25.63	20.08	0.102
QPSK	2535	21100	15	1	37	25.68	20.13	0.103
QPSK	2535	21100	15	1	74	25.67	20.12	0.103
QPSK	2535	21100	15	36	0	24.43	18.88	0.077
QPSK	2535	21100	15	36	29	24.37	18.82	0.076
QPSK	2535	21100	15	36	30	24.39	18.84	0.077
QPSK	2535	21100	15	75	0	24.44	18.89	0.077
QPSK	2562.5	21375	15	1	0	25.48	19.93	0.098
QPSK	2562.5	21375	15	1	37	25.65	20.10	0.102
QPSK	2562.5	21375	15	1	74	25.30	19.75	0.094
QPSK	2562.5	21375	15	36	0	24.36	18.81	0.076
QPSK	2562.5	21375	15	36	29	24.31	18.76	0.075
QPSK	2562.5	21375	15	36	30	24.27	18.72	0.074
QPSK	2562.5	21375	15	75	0	24.34	18.79	0.076

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2507.5	20825	15	1	0	25.11	19.56	0.090
16QAM	2507.5	20825	15	1	37	24.90	19.35	0.086
16QAM	2507.5	20825	15	1	74	24.80	19.25	0.084
16QAM	2507.5	20825	15	36	0	23.31	17.76	0.060
16QAM	2507.5	20825	15	36	29	23.31	17.76	0.060
16QAM	2507.5	20825	15	36	30	23.39	17.84	0.061
16QAM	2507.5	20825	15	75	0	23.48	17.93	0.062
16QAM	2535	21100	15	1	0	24.55	19.00	0.079
16QAM	2535	21100	15	1	37	25.28	19.73	0.094
16QAM	2535	21100	15	1	74	24.45	18.90	0.078
16QAM	2535	21100	15	36	0	23.57	18.02	0.063
16QAM	2535	21100	15	36	29	23.51	17.96	0.063
16QAM	2535	21100	15	36	30	23.53	17.98	0.063
16QAM	2535	21100	15	75	0	23.40	17.85	0.061
16QAM	2562.5	21375	15	1	0	24.35	18.80	0.076
16QAM	2562.5	21375	15	1	37	24.56	19.01	0.080
16QAM	2562.5	21375	15	1	74	24.43	18.88	0.077
16QAM	2562.5	21375	15	36	0	23.50	17.95	0.062
16QAM	2562.5	21375	15	36	29	23.60	18.05	0.064
16QAM	2562.5	21375	15	36	30	23.59	18.04	0.064
16QAM	2562.5	21375	15	75	0	23.24	17.69	0.059
64QAM	2507.5	20825	15	1	0	23.57	18.02	0.063
64QAM	2507.5	20825	15	1	37	23.57	18.02	0.063
64QAM	2507.5	20825	15	1	74	23.50	17.95	0.062
64QAM	2507.5	20825	15	36	0	22.08	16.53	0.045
64QAM	2507.5	20825	15	36	29	21.95	16.40	0.044
64QAM	2507.5	20825	15	36	30	21.94	16.39	0.044
64QAM	2507.5	20825	15	75	0	21.91	16.36	0.043
64QAM	2535	21100	15	1	0	23.79	18.24	0.067
64QAM	2535	21100	15	1	37	23.88	18.33	0.068
64QAM	2535	21100	15	1	74	24.04	18.49	0.071
64QAM	2535	21100	15	36	0	22.14	16.59	0.046
64QAM	2535	21100	15	36	29	22.57	17.02	0.050
64QAM	2535	21100	15	36	30	22.55	17.00	0.050
64QAM	2535	21100	15	75	0	22.27	16.72	0.047
64QAM	2562.5	21375	15	1	0	23.43	17.88	0.061
64QAM	2562.5	21375	15	1	37	24.30	18.75	0.075
64QAM	2562.5	21375	15	1	74	22.81	17.26	0.053
64QAM	2562.5	21375	15	36	0	22.07	16.52	0.045
64QAM	2562.5	21375	15	36	29	22.30	16.75	0.047
64QAM	2562.5	21375	15	36	30	22.44	16.89	0.049
64QAM	2562.5	21375	15	75	0	21.95	16.40	0.044

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2510	20850	20	1	0	25.66	20.11	0.103
QPSK	2510	20850	20	1	49	25.59	20.04	0.101
QPSK	2510	20850	20	1	99	25.38	19.83	0.096
QPSK	2510	20850	20	50	0	24.38	18.83	0.076
QPSK	2510	20850	20	50	24	24.29	18.74	0.075
QPSK	2510	20850	20	50	50	24.42	18.87	0.077
QPSK	2510	20850	20	100	0	24.40	18.85	0.077
QPSK	2535	21100	20	1	0	25.68	20.13	0.103
QPSK	2535	21100	20	1	49	25.62	20.07	0.102
QPSK	2535	21100	20	1	99	25.60	20.05	0.101
QPSK	2535	21100	20	50	0	24.39	18.84	0.077
QPSK	2535	21100	20	50	24	24.52	18.97	0.079
QPSK	2535	21100	20	50	50	24.45	18.90	0.078
QPSK	2535	21100	20	100	0	24.46	18.91	0.078
QPSK	2560	21350	20	1	0	25.63	20.08	0.102
QPSK	2560	21350	20	1	49	25.30	19.75	0.094
QPSK	2560	21350	20	1	99	24.91	19.36	0.086
QPSK	2560	21350	20	50	0	24.34	18.79	0.076
QPSK	2560	21350	20	50	24	24.23	18.68	0.074
QPSK	2560	21350	20	50	50	24.31	18.76	0.075
QPSK	2560	21350	20	100	0	24.40	18.85	0.077

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2510	20850	20	1	0	24.63	19.08	0.081
16QAM	2510	20850	20	1	49	24.56	19.01	0.080
16QAM	2510	20850	20	1	99	24.63	19.08	0.081
16QAM	2510	20850	20	50	0	23.51	17.96	0.063
16QAM	2510	20850	20	50	24	23.54	17.99	0.063
16QAM	2510	20850	20	50	50	23.39	17.84	0.061
16QAM	2510	20850	20	100	0	23.46	17.91	0.062
16QAM	2535	21100	20	1	0	24.68	19.13	0.082
16QAM	2535	21100	20	1	49	24.23	18.68	0.074
16QAM	2535	21100	20	1	99	24.56	19.01	0.080
16QAM	2535	21100	20	50	0	23.58	18.03	0.064
16QAM	2535	21100	20	50	24	23.45	17.90	0.062
16QAM	2535	21100	20	50	50	23.48	17.93	0.062
16QAM	2535	21100	20	100	0	23.46	17.91	0.062
16QAM	2560	21350	20	1	0	25.02	19.47	0.089
16QAM	2560	21350	20	1	49	24.57	19.02	0.080
16QAM	2560	21350	20	1	99	24.51	18.96	0.079
16QAM	2560	21350	20	50	0	23.54	17.99	0.063
16QAM	2560	21350	20	50	24	23.37	17.82	0.061
16QAM	2560	21350	20	50	50	23.25	17.70	0.059
16QAM	2560	21350	20	100	0	23.41	17.86	0.061
64QAM	2510	20850	20	1	0	23.83	18.28	0.067
64QAM	2510	20850	20	1	49	23.59	18.04	0.064
64QAM	2510	20850	20	1	99	23.52	17.97	0.063
64QAM	2510	20850	20	50	0	21.98	16.43	0.044
64QAM	2510	20850	20	50	24	21.99	16.44	0.044
64QAM	2510	20850	20	50	50	22.02	16.47	0.044
64QAM	2510	20850	20	100	0	21.96	16.41	0.044
64QAM	2535	21100	20	1	0	23.11	17.56	0.057
64QAM	2535	21100	20	1	49	23.40	17.85	0.061
64QAM	2535	21100	20	1	99	23.82	18.27	0.067
64QAM	2535	21100	20	50	0	21.98	16.43	0.044
64QAM	2535	21100	20	50	24	22.23	16.68	0.047
64QAM	2535	21100	20	50	50	22.45	16.90	0.049
64QAM	2535	21100	20	100	0	22.12	16.57	0.045
64QAM	2560	21350	20	1	0	23.19	17.64	0.058
64QAM	2560	21350	20	1	49	23.79	18.24	0.067
64QAM	2560	21350	20	1	99	23.48	17.93	0.062
64QAM	2560	21350	20	50	0	21.71	16.16	0.041
64QAM	2560	21350	20	50	24	21.76	16.21	0.042
64QAM	2560	21350	20	50	50	22.56	17.01	0.050
64QAM	2560	21350	20	100	0	21.82	16.27	0.042