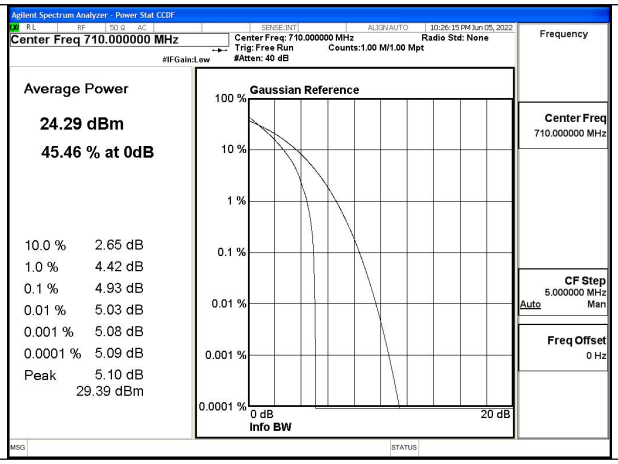


Fig.9

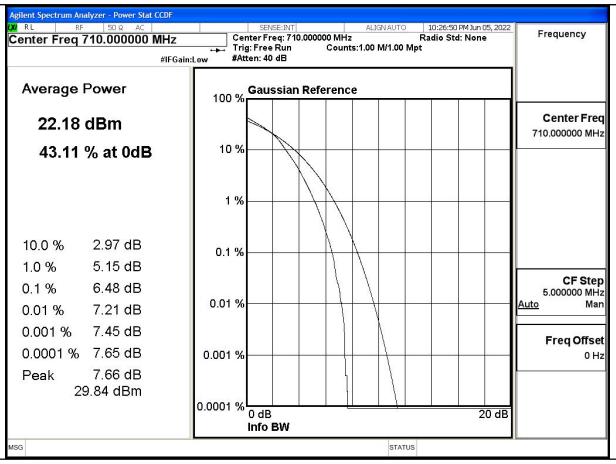


Fig.10

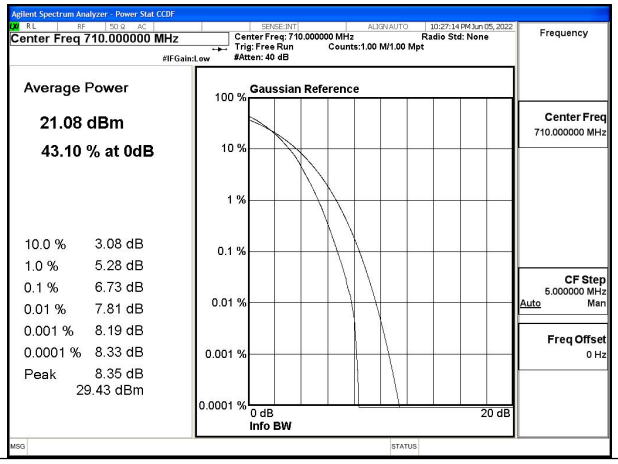


Fig.11

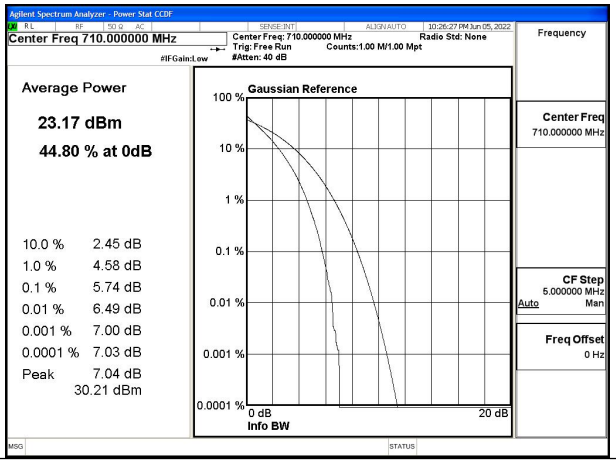


Fig.12

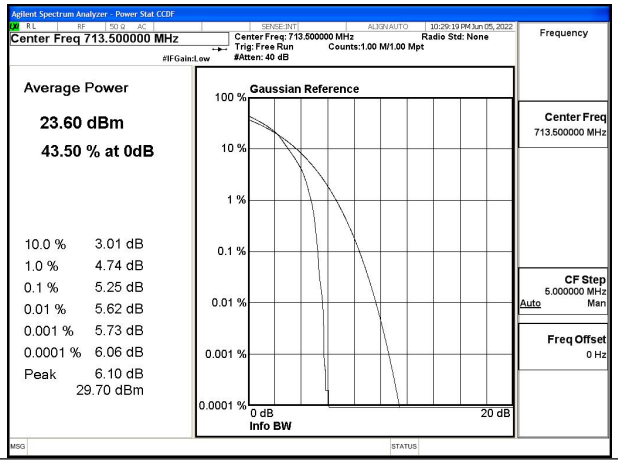


Fig.13

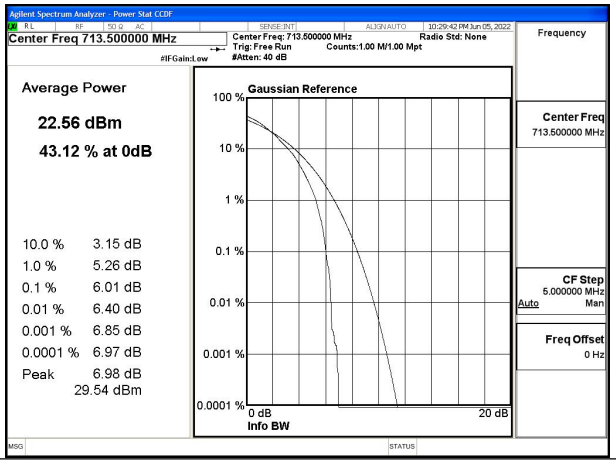


Fig.14

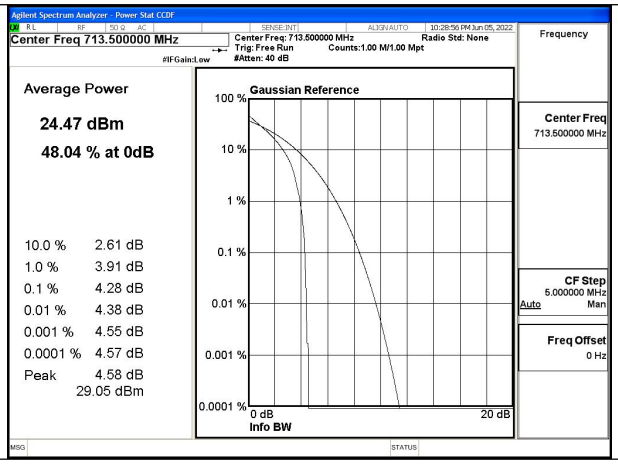


Fig.15

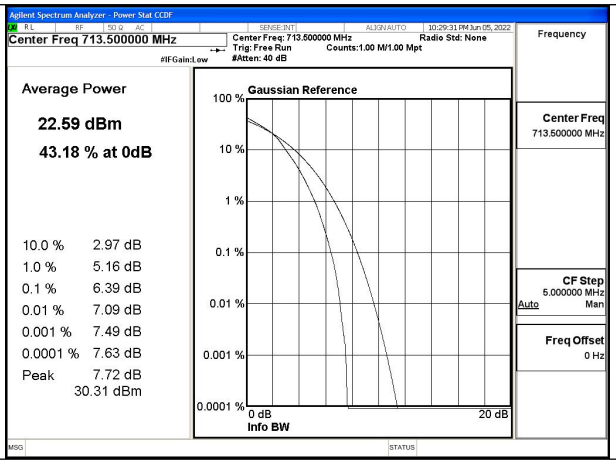


Fig.16

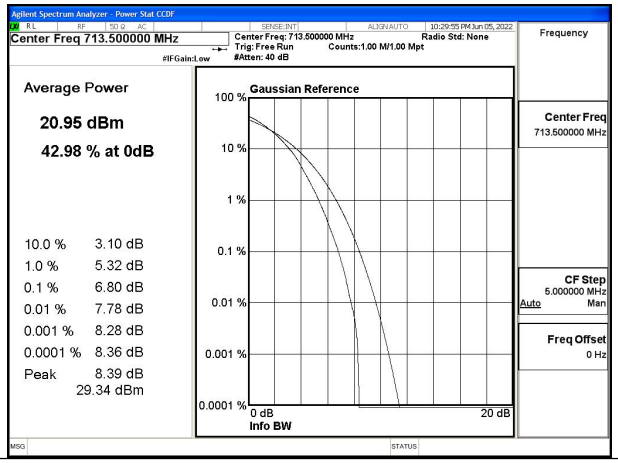


Fig.17

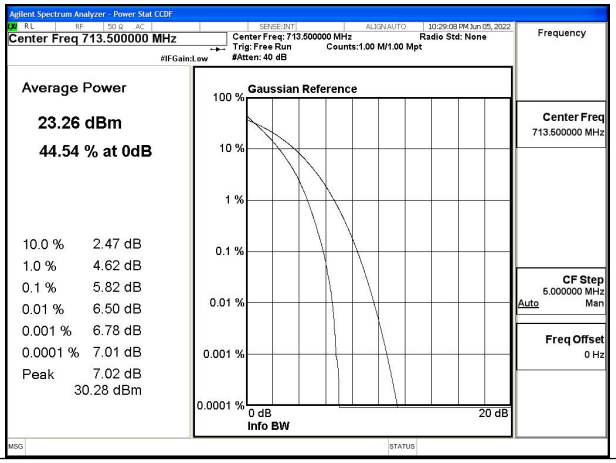


Fig.18

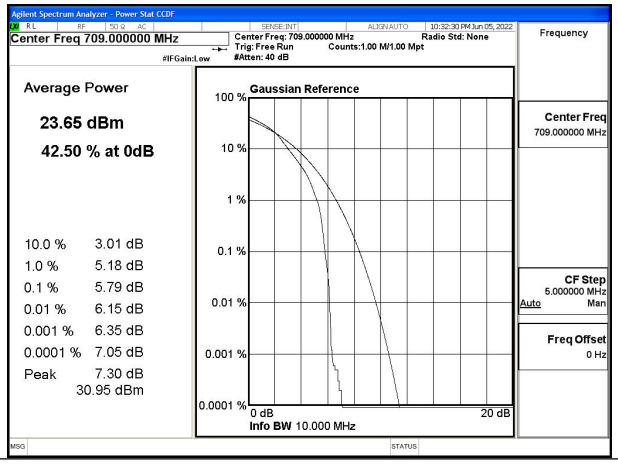


Fig.19

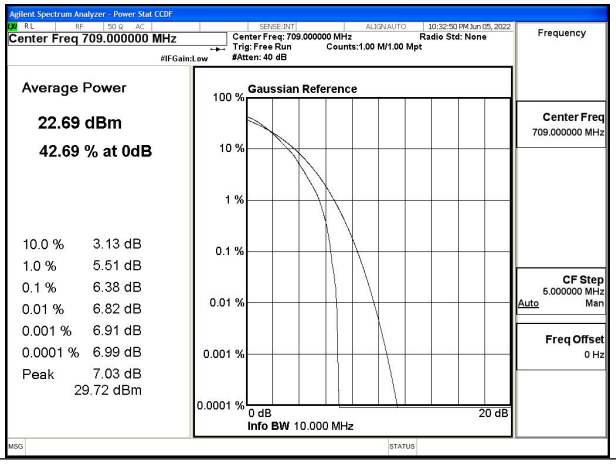
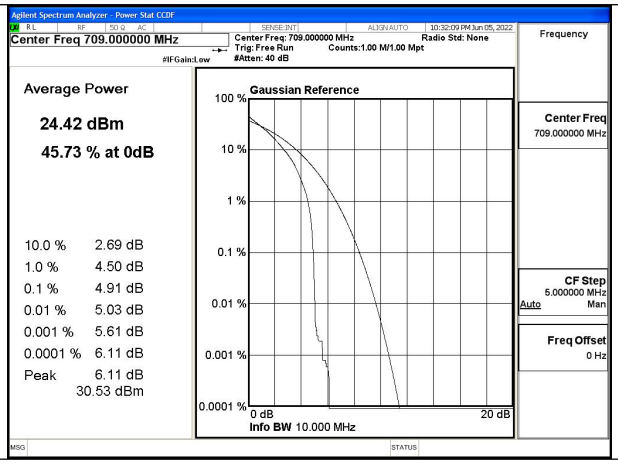


Fig.20



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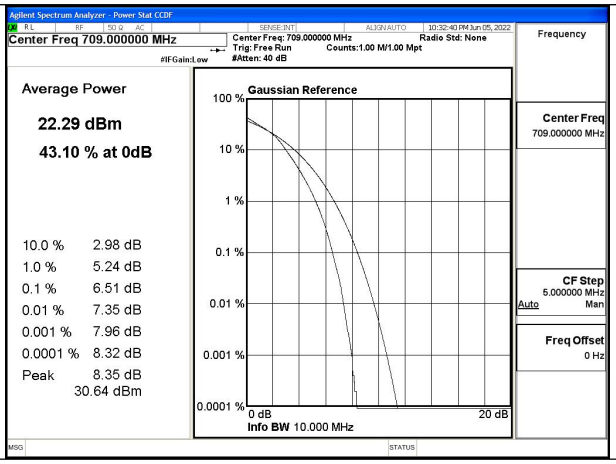

Fig.22

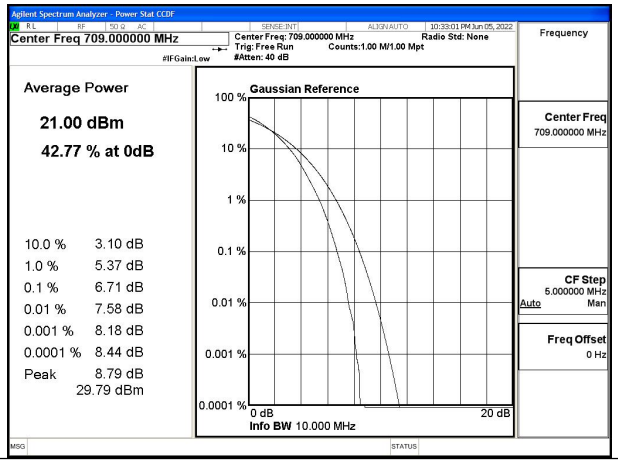

Fig.23

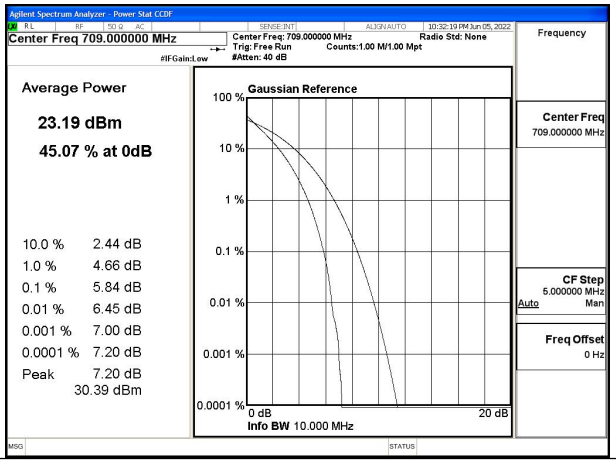

Fig.24

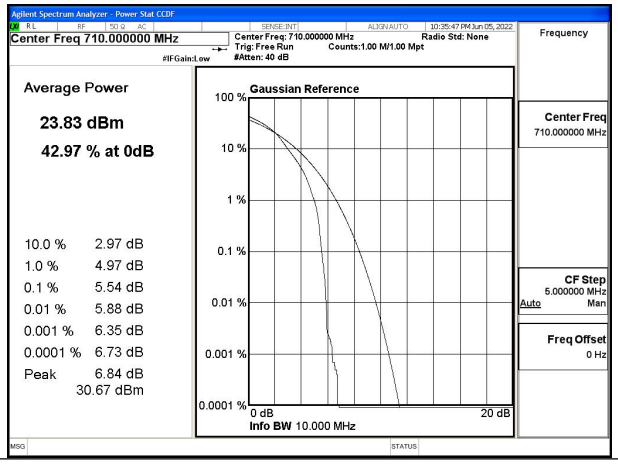

Fig.25

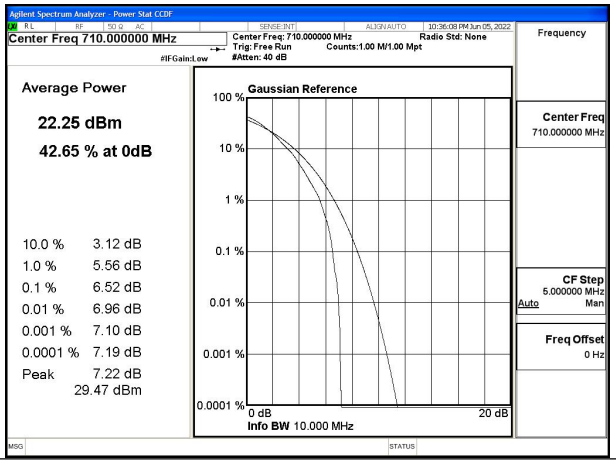

Fig.26

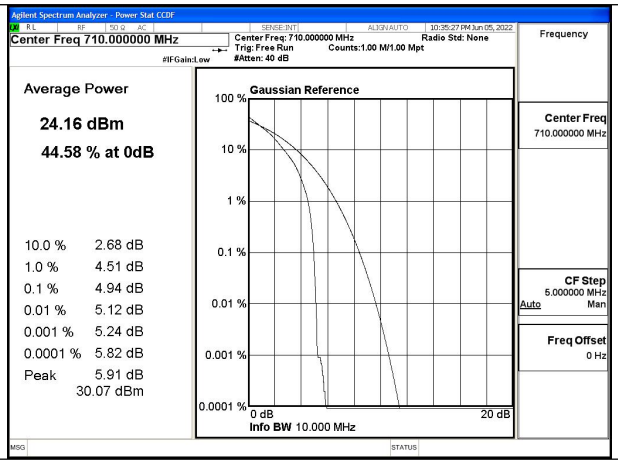

Fig.27

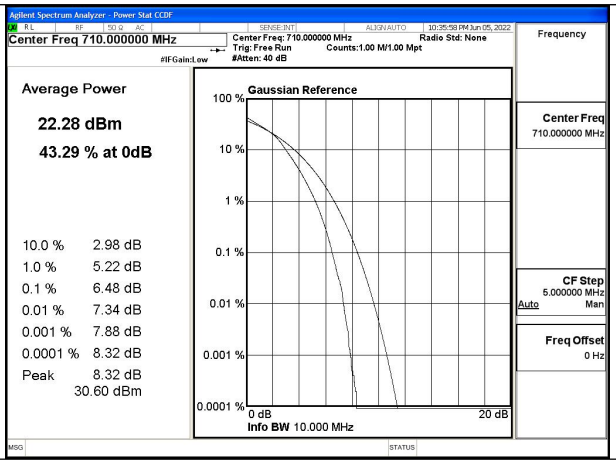

Fig.28

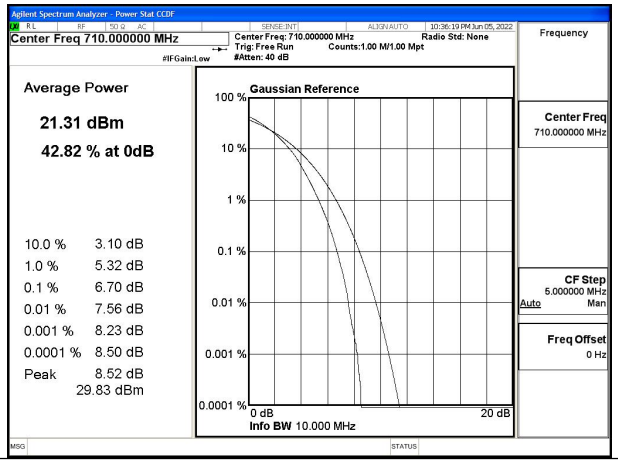

Fig.29

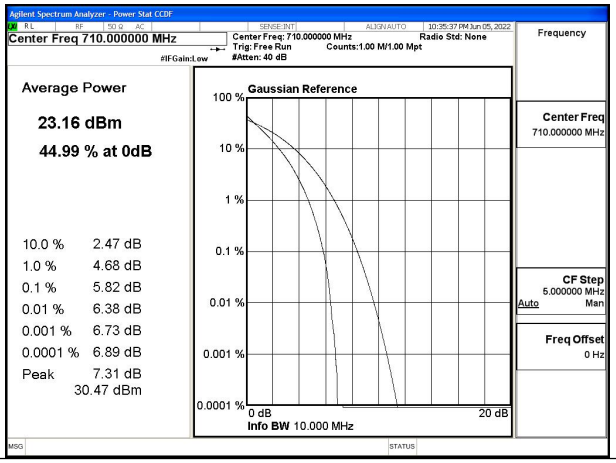

Fig.30

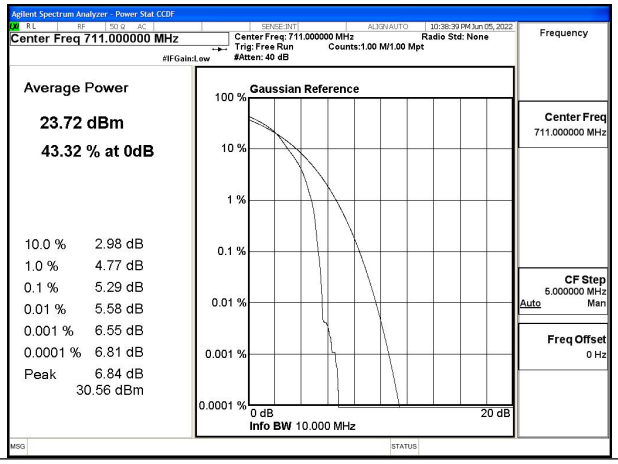

Fig.31

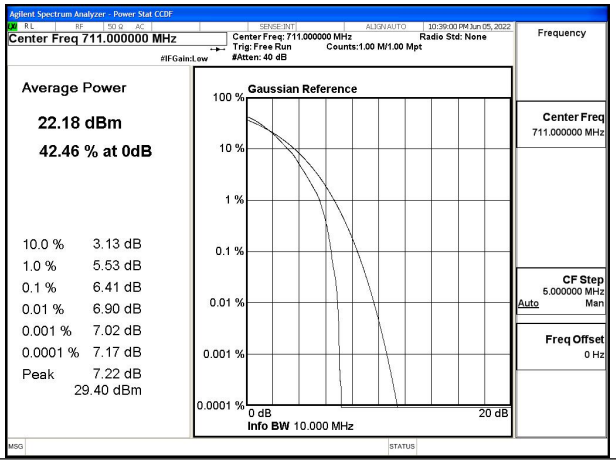

Fig.32

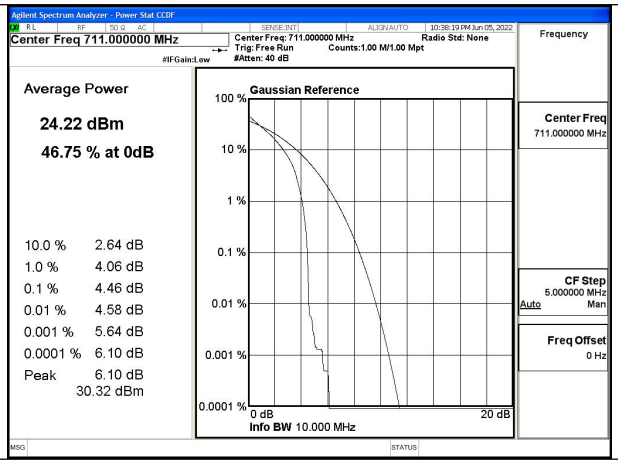

Fig.33

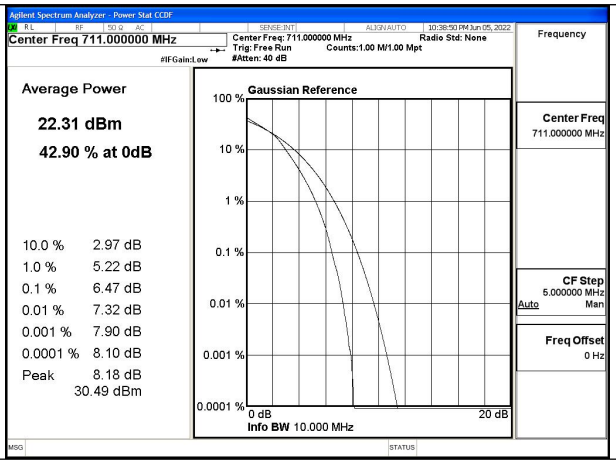

Fig.34

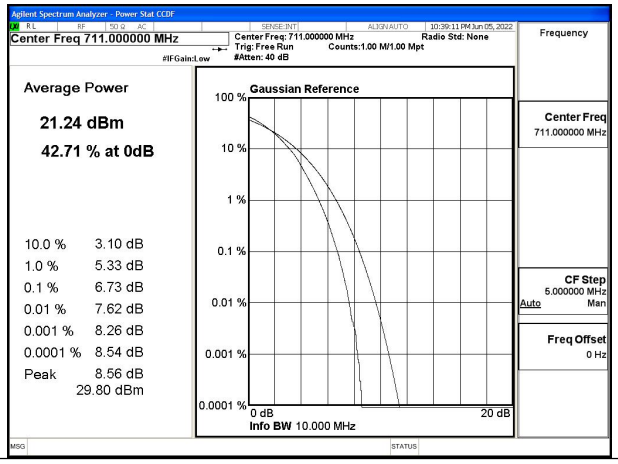

Fig.35

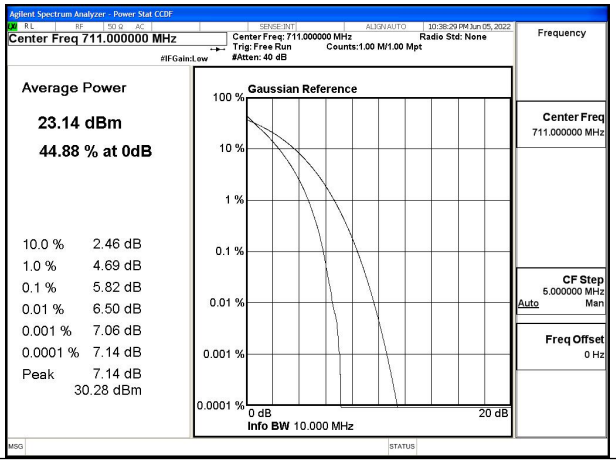

Fig.36

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
17	709	23780	10	1	0	Fig.1
17	710	23790	10	1	0	Fig.2
17	711	23800	10	1	0	Fig.3

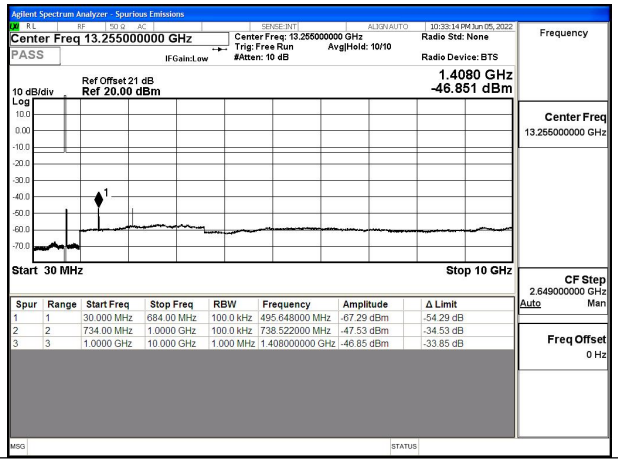

Fig.1

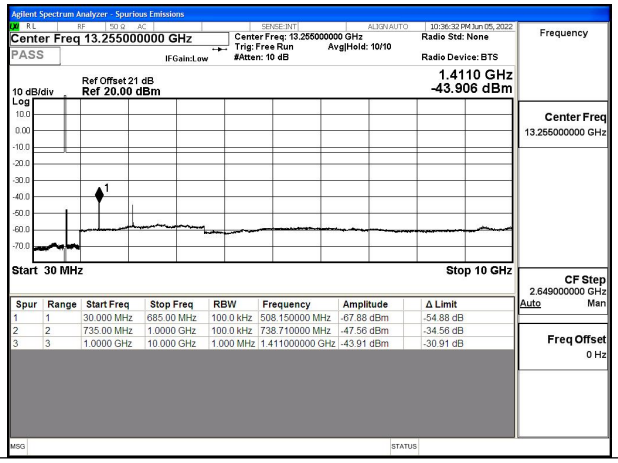

Fig.2

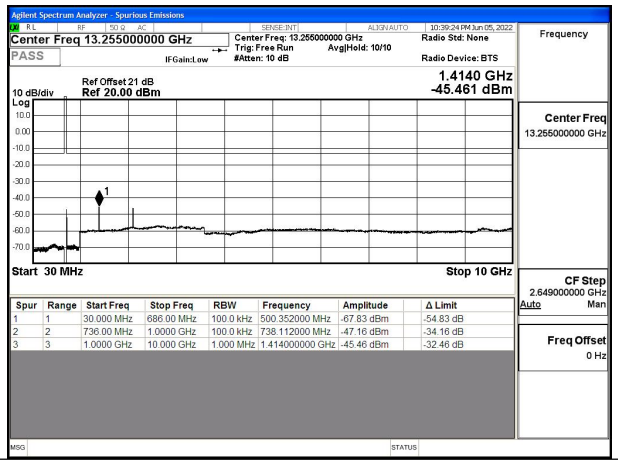

Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
17	QPSK	706.5	23755	5	1	0	Fig.1
17	QPSK	706.5	23755	5	25	0	Fig.2
17	QPSK	713.5	23825	5	1	24	Fig.3
17	QPSK	713.5	23825	5	25	0	Fig.4
17	QPSK	709	23780	10	1	0	Fig.5
17	QPSK	709	23780	10	50	0	Fig.6
17	QPSK	711	23800	10	1	49	Fig.7
17	QPSK	711	23800	10	50	0	Fig.8

Test Mode: QPSK

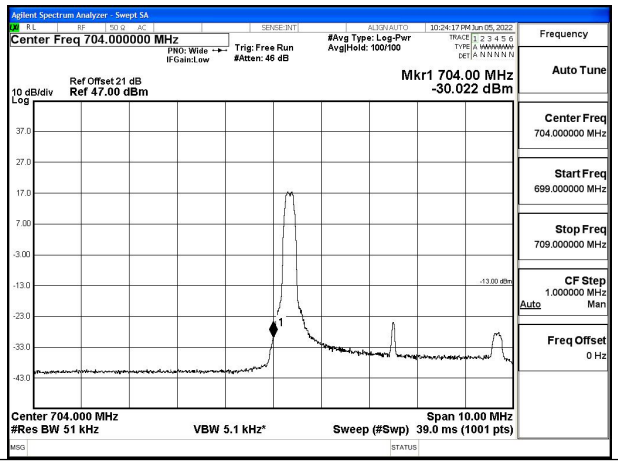

Fig.1

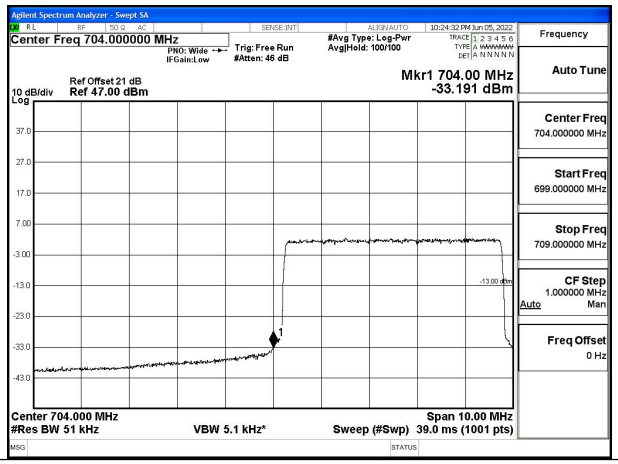

Fig.2

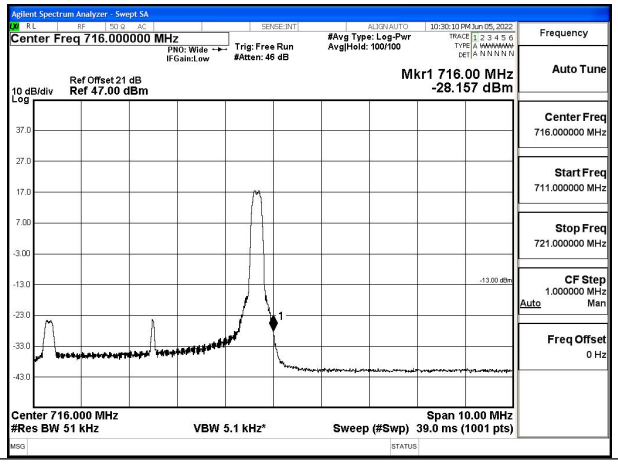

Fig.3

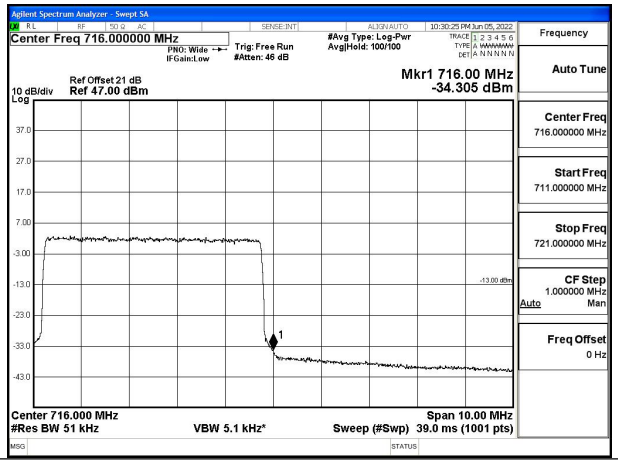

Fig.4

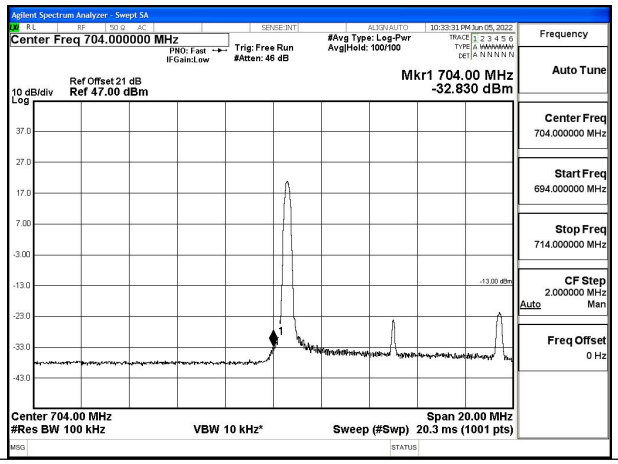

Fig.5

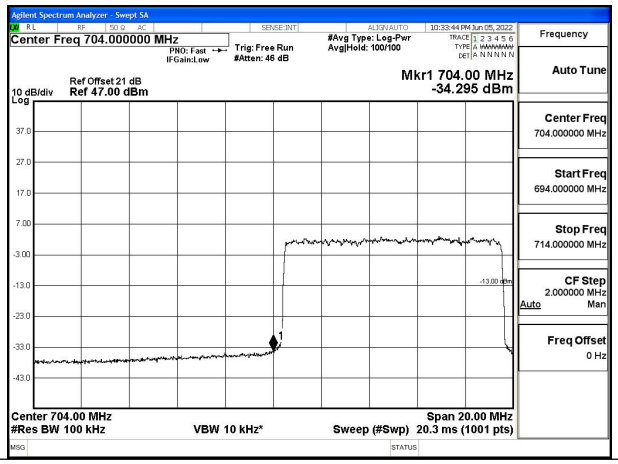

Fig.6

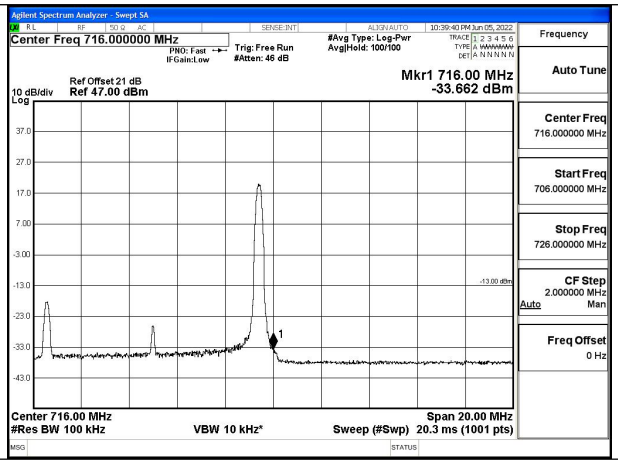

Fig.7

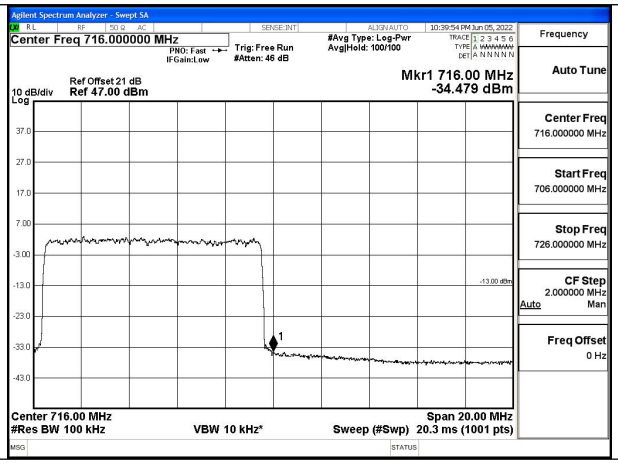

Fig.8

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 17 Low Channel QPSK	
		5M	10M
0	NV	0.016	0.007
+10	NV	0.003	0.009
+20	NV	0.008	0.006
+30	NV	0.007	0.006
+40	NV	0.005	0.005
+50	NV	0.004	0.013
+55	NV	0.010	0.011
+20	LV	0.005	0.006
+20	HV	0.007	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 17 High Channel QPSK	
		5M	10M
0	NV	-0.005	-0.017
+10	NV	-0.004	-0.006
+20	NV	-0.013	0.003
+30	NV	-0.010	-0.007
+40	NV	-0.006	-0.011
+50	NV	-0.025	-0.008
+55	NV	0.011	-0.006
+20	LV	-0.008	-0.007
+20	HV	-0.004	-0.012

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	706.5	23755	5	1	0	23.66	15.01	0.032
QPSK	706.5	23755	5	1	12	23.36	14.71	0.030
QPSK	706.5	23755	5	1	24	23.33	14.68	0.029
QPSK	706.5	23755	5	12	0	22.39	13.74	0.024
QPSK	706.5	23755	5	12	7	22.47	13.82	0.024

QPSK	706.5	23755	5	12	13	22.51	13.86	0.024
QPSK	706.5	23755	5	25	0	22.45	13.80	0.024
QPSK	710	23790	5	1	0	23.49	14.84	0.030
QPSK	710	23790	5	1	12	23.34	14.69	0.029
QPSK	710	23790	5	1	24	23.63	14.98	0.031
QPSK	710	23790	5	12	0	22.65	14.00	0.025
QPSK	710	23790	5	12	7	22.63	13.98	0.025
QPSK	710	23790	5	12	13	22.55	13.90	0.025
QPSK	710	23790	5	25	0	22.26	13.61	0.023
QPSK	713.5	23825	5	1	0	24.05	15.40	0.035
QPSK	713.5	23825	5	1	12	23.89	15.24	0.033
QPSK	713.5	23825	5	1	24	23.63	14.98	0.031
QPSK	713.5	23825	5	12	0	22.48	13.83	0.024
QPSK	713.5	23825	5	12	7	22.42	13.77	0.024
QPSK	713.5	23825	5	12	13	22.68	14.03	0.025
QPSK	713.5	23825	5	25	0	22.57	13.92	0.025

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	706.5	23755	5	1	0	23.27	14.62	0.029
16QAM	706.5	23755	5	1	12	23.10	14.45	0.028
16QAM	706.5	23755	5	1	24	22.90	14.25	0.027
16QAM	706.5	23755	5	12	0	21.77	13.12	0.021
16QAM	706.5	23755	5	12	7	21.77	13.12	0.021
16QAM	706.5	23755	5	12	13	21.66	13.01	0.020
16QAM	706.5	23755	5	25	0	21.62	12.97	0.020
16QAM	710	23790	5	1	0	23.25	14.60	0.029
16QAM	710	23790	5	1	12	22.64	13.99	0.025
16QAM	710	23790	5	1	24	22.85	14.20	0.026
16QAM	710	23790	5	12	0	21.60	12.95	0.020
16QAM	710	23790	5	12	7	21.65	13.00	0.020
16QAM	710	23790	5	12	13	21.69	13.04	0.020
16QAM	710	23790	5	25	0	21.68	13.03	0.020
16QAM	713.5	23825	5	1	0	22.80	14.15	0.026
16QAM	713.5	23825	5	1	12	23.33	14.68	0.029
16QAM	713.5	23825	5	1	24	22.74	14.09	0.026
16QAM	713.5	23825	5	12	0	21.59	12.94	0.020
16QAM	713.5	23825	5	12	7	21.68	13.03	0.020
16QAM	713.5	23825	5	12	13	21.57	12.92	0.020
16QAM	713.5	23825	5	25	0	21.62	12.97	0.020
64QAM	706.5	23755	5	1	0	21.66	13.01	0.020
64QAM	706.5	23755	5	1	12	21.60	12.95	0.020
64QAM	706.5	23755	5	1	24	21.50	12.85	0.019
64QAM	706.5	23755	5	12	0	20.23	11.58	0.014
64QAM	706.5	23755	5	12	7	20.21	11.56	0.014
64QAM	706.5	23755	5	12	13	20.03	11.38	0.014

64QAM	706.5	23755	5	25	0	20.11	11.46	0.014
64QAM	710	23790	5	1	0	21.28	12.63	0.018
64QAM	710	23790	5	1	12	22.37	13.72	0.024
64QAM	710	23790	5	1	24	21.63	12.98	0.020
64QAM	710	23790	5	12	0	20.25	11.60	0.014
64QAM	710	23790	5	12	7	20.35	11.70	0.015
64QAM	710	23790	5	12	13	20.18	11.53	0.014
64QAM	710	23790	5	25	0	20.33	11.68	0.015
64QAM	713.5	23825	5	1	0	22.24	13.59	0.023
64QAM	713.5	23825	5	1	12	21.54	12.89	0.019
64QAM	713.5	23825	5	1	24	22.23	13.58	0.023
64QAM	713.5	23825	5	12	0	20.52	11.87	0.015
64QAM	713.5	23825	5	12	7	20.37	11.72	0.015
64QAM	713.5	23825	5	12	13	20.32	11.67	0.015
64QAM	713.5	23825	5	25	0	20.16	11.51	0.014

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	709	23780	10	1	0	23.88	15.23	0.033
QPSK	709	23780	10	1	25	23.76	15.11	0.032
QPSK	709	23780	10	1	49	23.85	15.20	0.033
QPSK	709	23780	10	25	0	22.45	13.80	0.024
QPSK	709	23780	10	25	12	22.22	13.57	0.023
QPSK	709	23780	10	25	25	22.41	13.76	0.024
QPSK	709	23780	10	50	0	22.30	13.65	0.023
QPSK	710	23790	10	1	0	23.89	15.24	0.033
QPSK	710	23790	10	1	25	23.65	15.00	0.032
QPSK	710	23790	10	1	49	23.65	15.00	0.032
QPSK	710	23790	10	25	0	22.52	13.87	0.024
QPSK	710	23790	10	25	12	22.26	13.61	0.023
QPSK	710	23790	10	25	25	22.60	13.95	0.025
QPSK	710	23790	10	50	0	22.31	13.66	0.023
QPSK	711	23800	10	1	0	23.50	14.85	0.031
QPSK	711	23800	10	1	25	23.47	14.82	0.030
QPSK	711	23800	10	1	49	23.56	14.91	0.031
QPSK	711	23800	10	25	0	22.57	13.92	0.025
QPSK	711	23800	10	25	12	22.46	13.81	0.024
QPSK	711	23800	10	25	25	22.58	13.93	0.025
QPSK	711	23800	10	50	0	22.52	13.87	0.024

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	709	23780	10	1	0	22.78	14.13	0.026
16QAM	709	23780	10	1	25	23.01	14.36	0.027
16QAM	709	23780	10	1	49	22.78	14.13	0.026
16QAM	709	23780	10	25	0	21.74	13.09	0.020

16QAM	709	23780	10	25	12	21.58	12.93	0.020
16QAM	709	23780	10	25	25	21.65	13.00	0.020
16QAM	709	23780	10	50	0	21.75	13.10	0.020
16QAM	710	23790	10	1	0	22.94	14.29	0.027
16QAM	710	23790	10	1	25	23.24	14.59	0.029
16QAM	710	23790	10	1	49	23.22	14.57	0.029
16QAM	710	23790	10	25	0	21.83	13.18	0.021
16QAM	710	23790	10	25	12	21.74	13.09	0.020
16QAM	710	23790	10	25	25	21.79	13.14	0.021
16QAM	710	23790	10	50	0	21.60	12.95	0.020
16QAM	711	23800	10	1	0	23.02	14.37	0.027
16QAM	711	23800	10	1	25	22.51	13.86	0.024
16QAM	711	23800	10	1	49	23.31	14.66	0.029
16QAM	711	23800	10	25	0	21.82	13.17	0.021
16QAM	711	23800	10	25	12	21.70	13.05	0.020
16QAM	711	23800	10	25	25	21.84	13.19	0.021
16QAM	711	23800	10	50	0	21.59	12.94	0.020
64QAM	709	23780	10	1	0	21.69	13.04	0.020
64QAM	709	23780	10	1	25	21.64	12.99	0.020
64QAM	709	23780	10	1	49	21.77	13.12	0.021
64QAM	709	23780	10	25	0	19.90	11.25	0.013
64QAM	709	23780	10	25	12	19.99	11.34	0.014
64QAM	709	23780	10	25	25	20.23	11.58	0.014
64QAM	709	23780	10	50	0	20.18	11.53	0.014
64QAM	710	23790	10	1	0	21.98	13.33	0.022
64QAM	710	23790	10	1	25	22.25	13.60	0.023
64QAM	710	23790	10	1	49	22.34	13.69	0.023
64QAM	710	23790	10	25	0	20.40	11.75	0.015
64QAM	710	23790	10	25	12	20.32	11.67	0.015
64QAM	710	23790	10	25	25	20.47	11.82	0.015
64QAM	710	23790	10	50	0	20.61	11.96	0.016
64QAM	711	23800	10	1	0	21.73	13.08	0.020
64QAM	711	23800	10	1	25	22.10	13.45	0.022
64QAM	711	23800	10	1	49	22.05	13.40	0.022
64QAM	711	23800	10	25	0	20.44	11.79	0.015
64QAM	711	23800	10	25	12	20.35	11.70	0.015
64QAM	711	23800	10	25	25	20.21	11.56	0.014
64QAM	711	23800	10	50	0	20.87	12.22	0.017