Fig.7

Fig.8

Fig.9

Fig.10

Fig.11
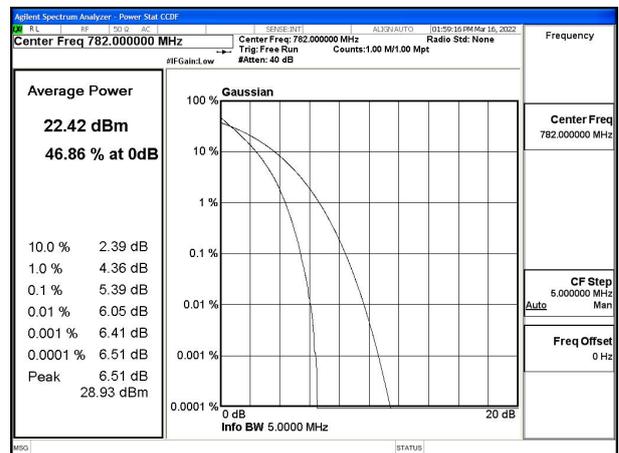
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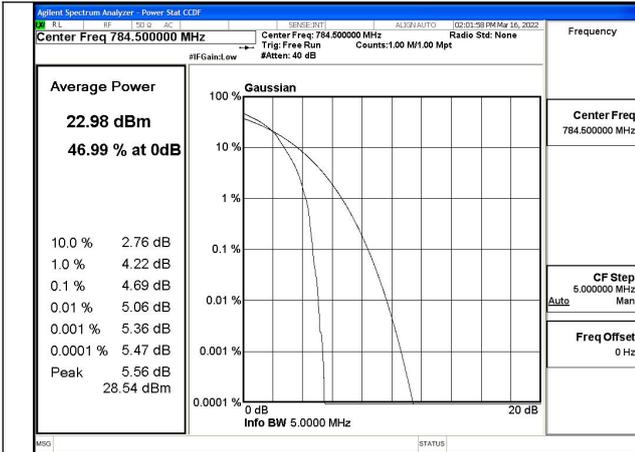
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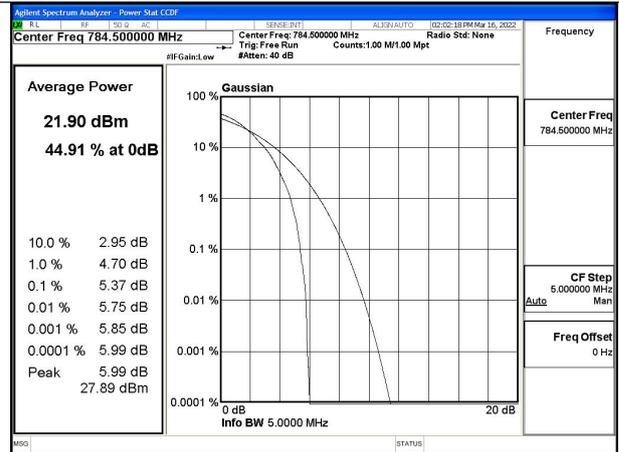
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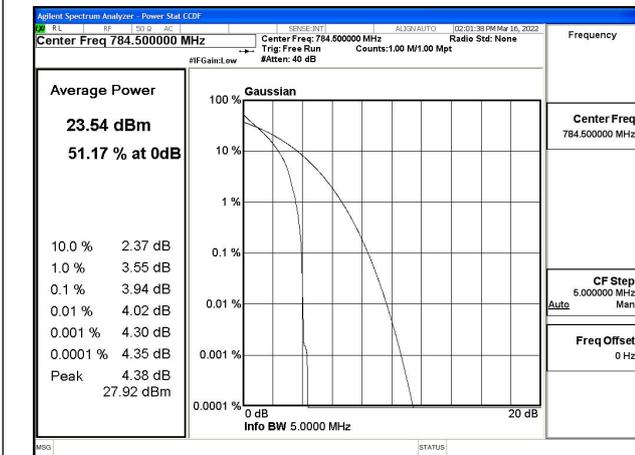
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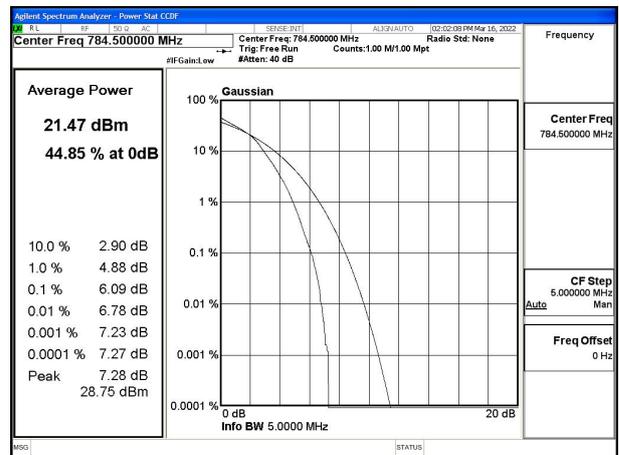
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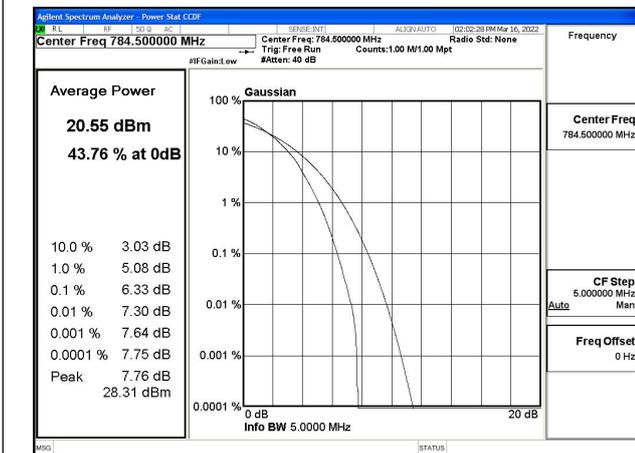
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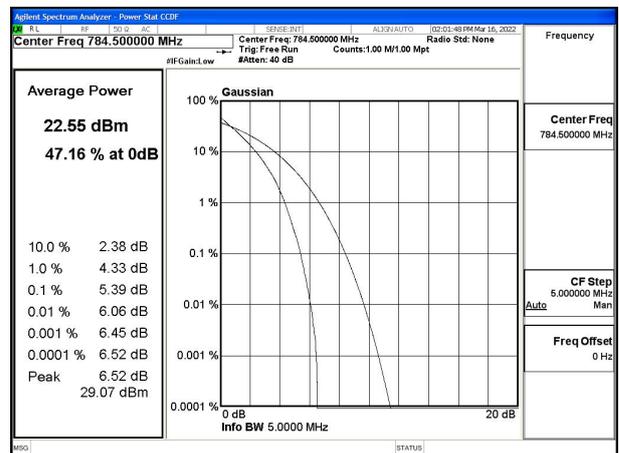
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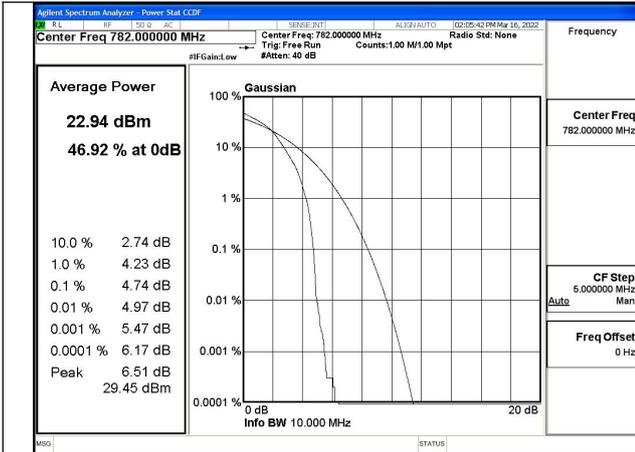
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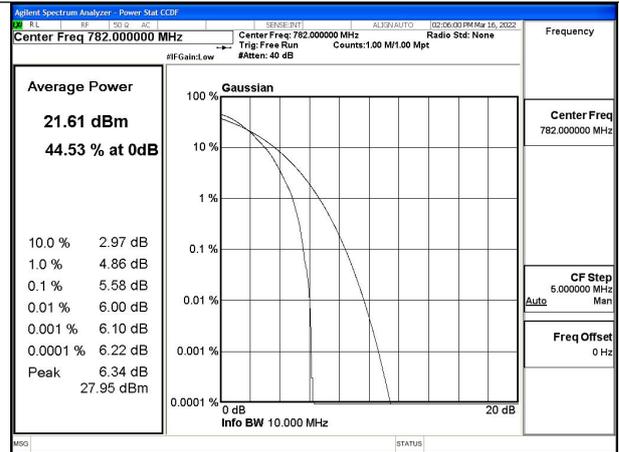
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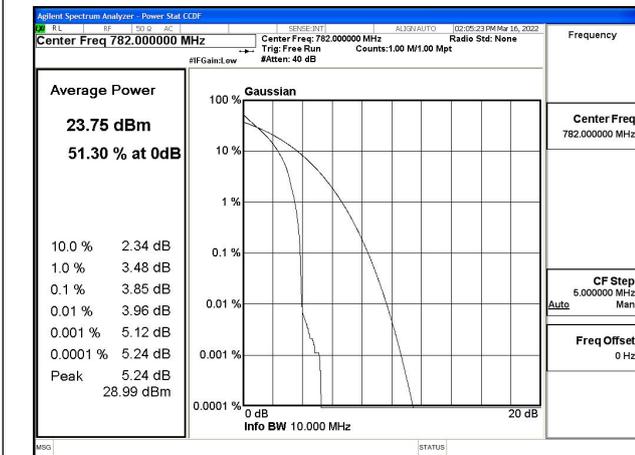
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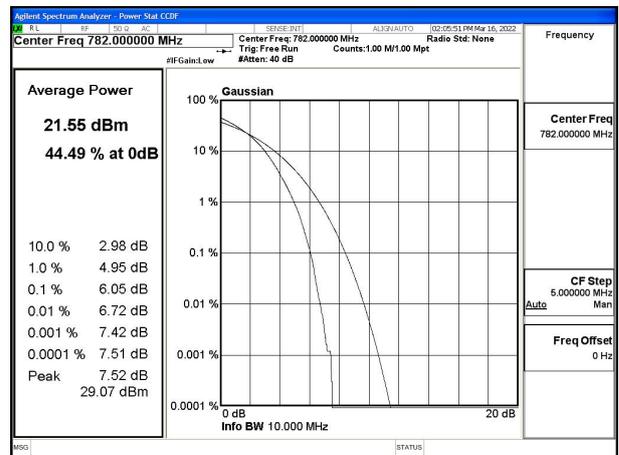
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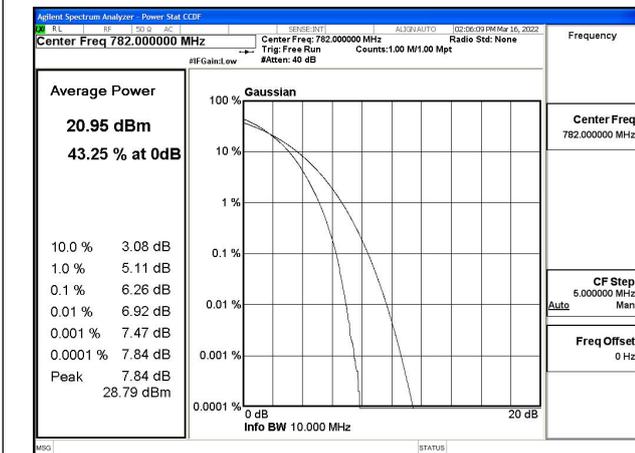
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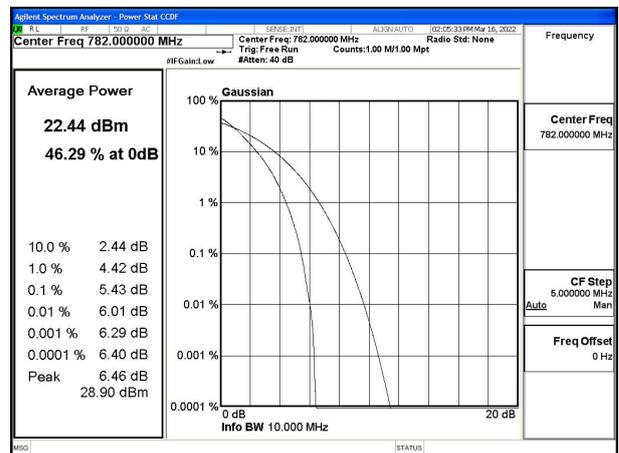
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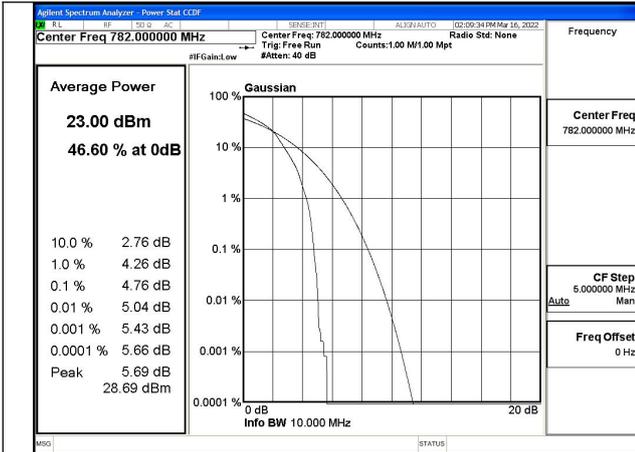
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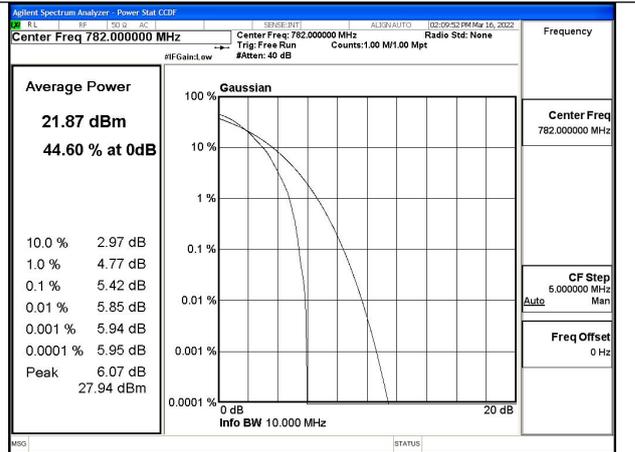
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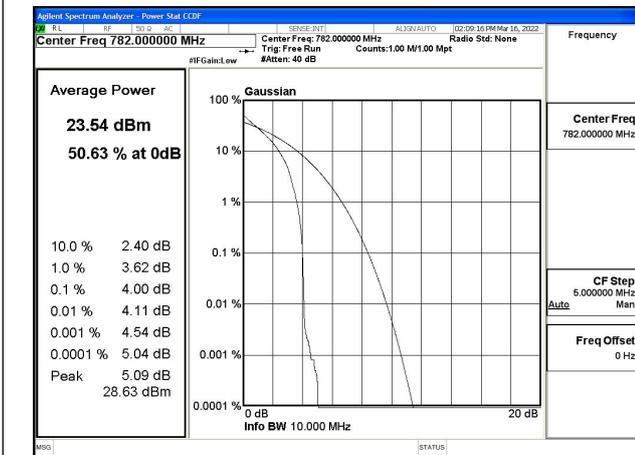
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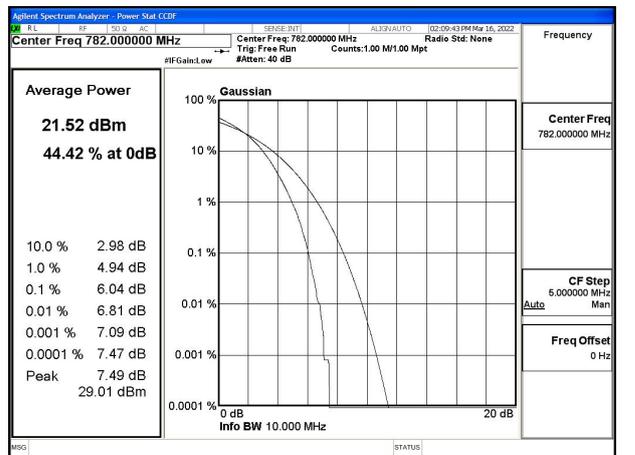
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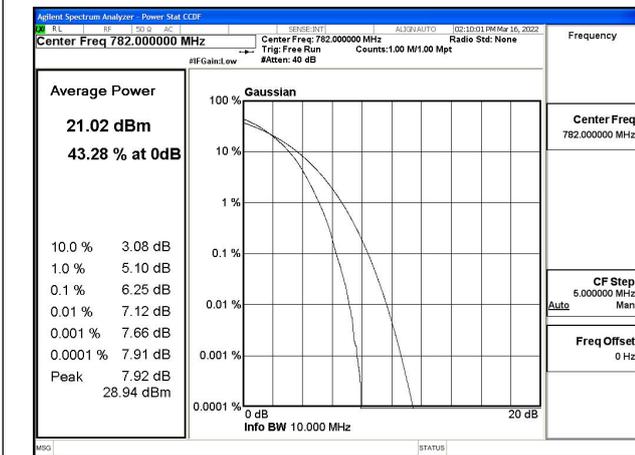
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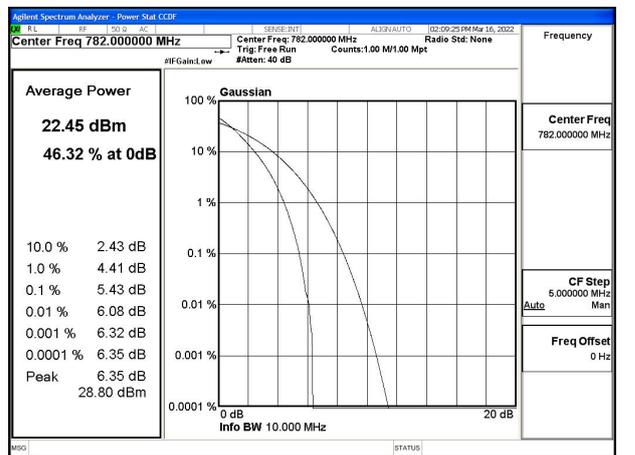
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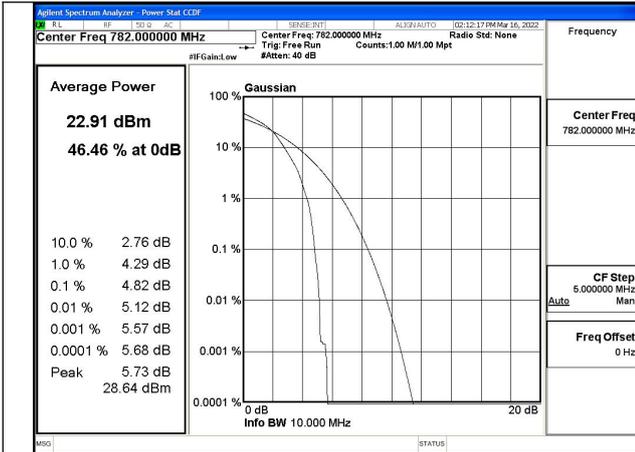
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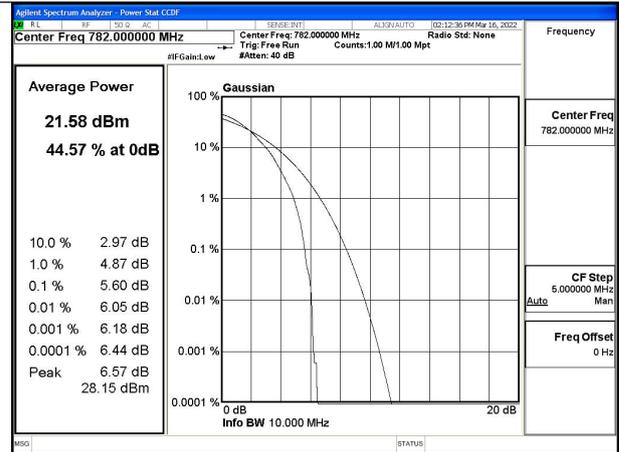
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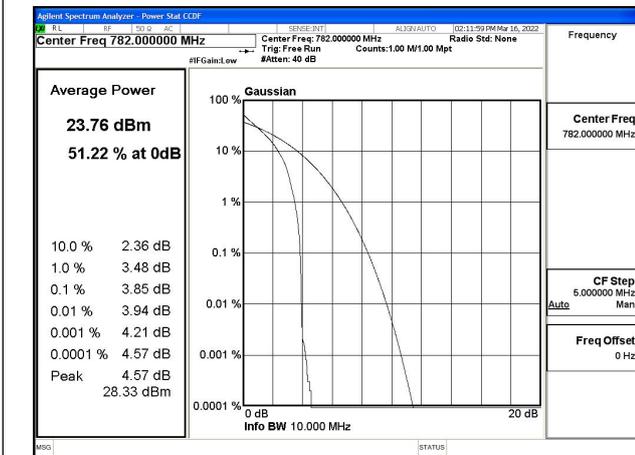
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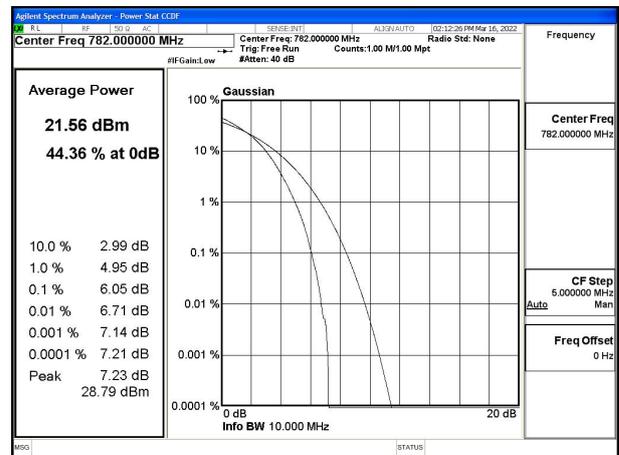
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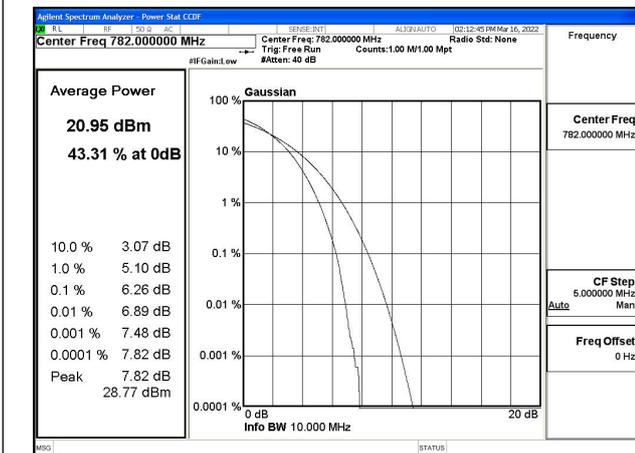
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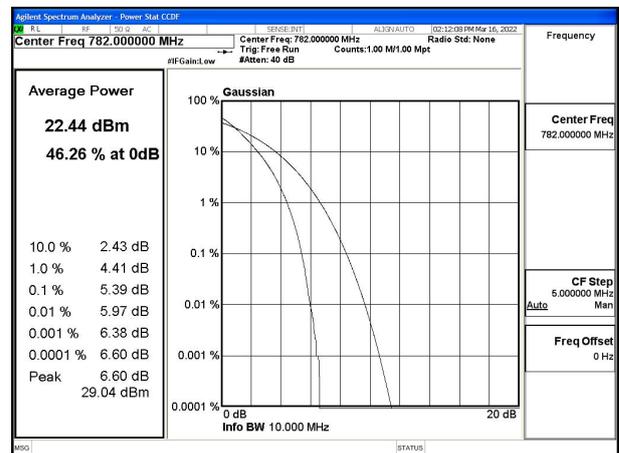
Fig.36

5   Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot QPSK
13	782	23230	10	1	0	Fig.1
13	782	23230	10	1	0	Fig.2
13	782	23230	10	1	0	Fig.3
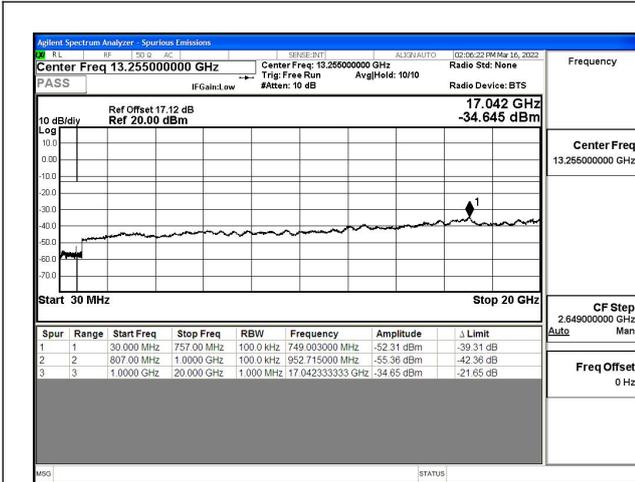
Fig.1
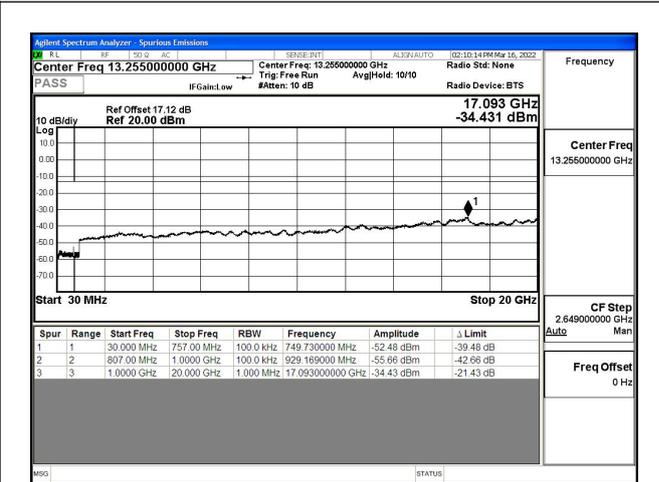
Fig.2
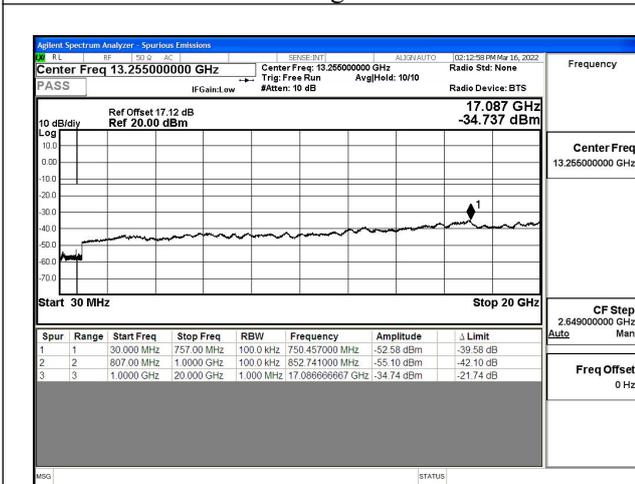
Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
13	QPSK	779.5	23205	5	1	0	Fig.1
13	QPSK	779.5	23205	5	25	0	Fig.2
13	QPSK	784.5	23255	5	1	24	Fig.3
13	QPSK	784.5	23255	5	25	0	Fig.4
13	QPSK	782	23230	10	1	0	Fig.5
13	QPSK	782	23230	10	50	0	Fig.6
13	QPSK	782	23230	10	1	49	Fig.7
13	QPSK	782	23230	10	50	0	Fig.8

Test Mode: QPSK
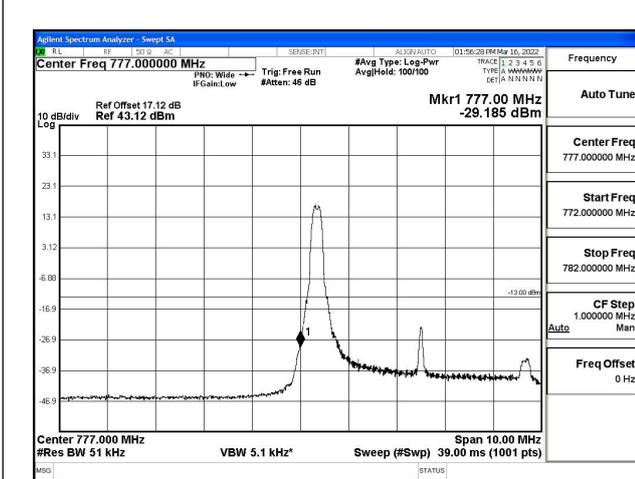
Fig.1
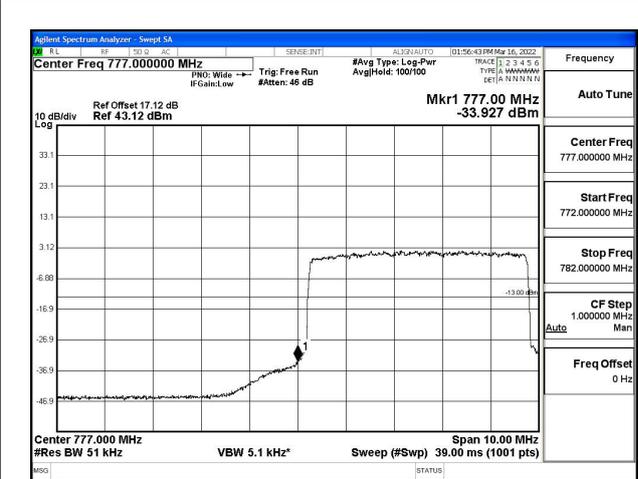
Fig.2
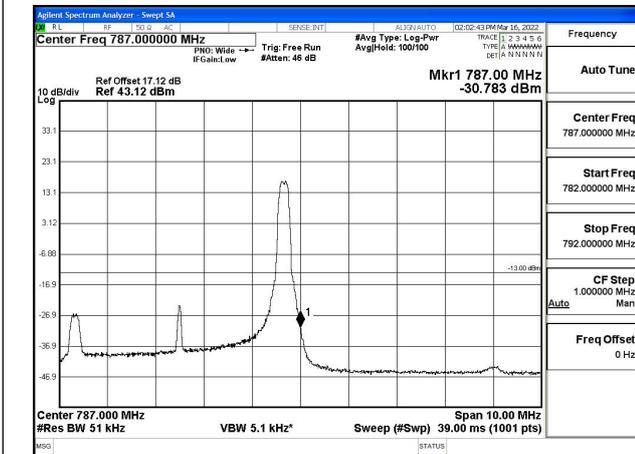
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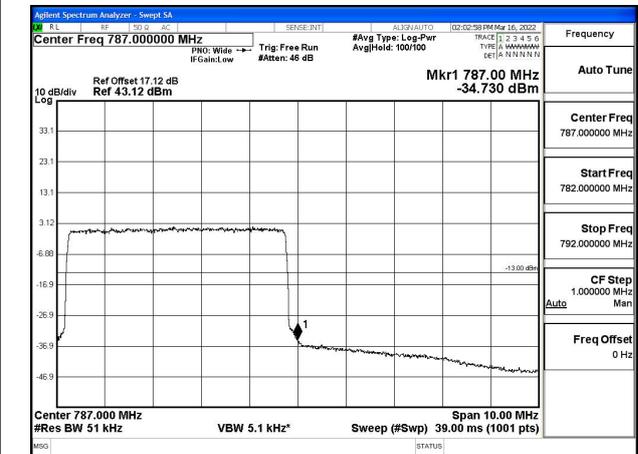
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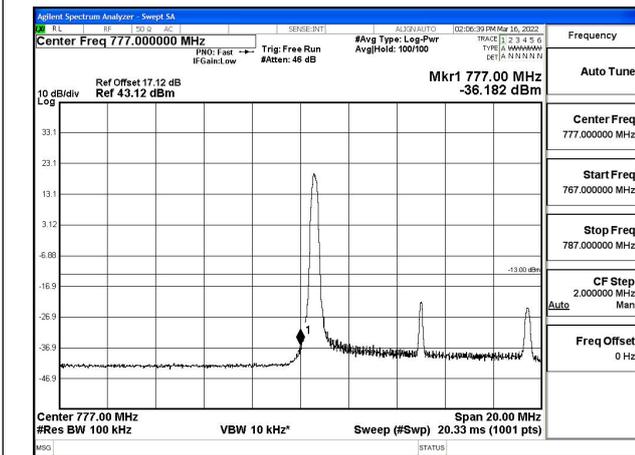
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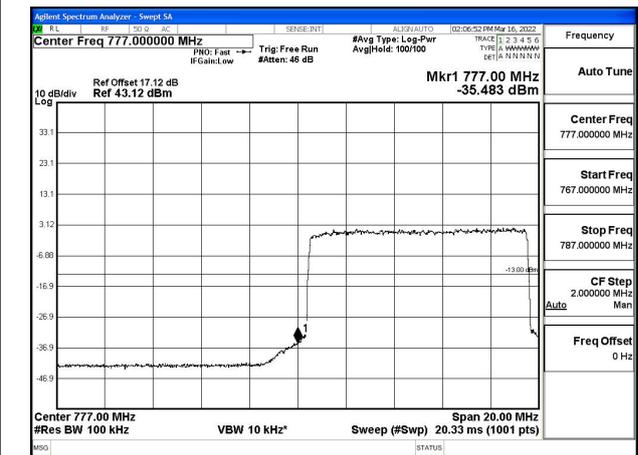
Fig.6
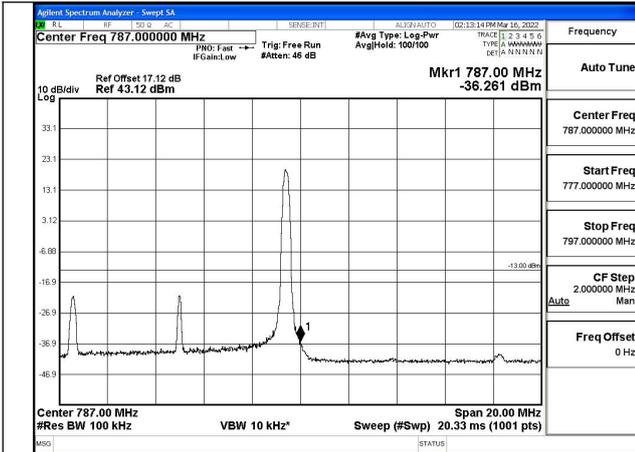
Fig.7
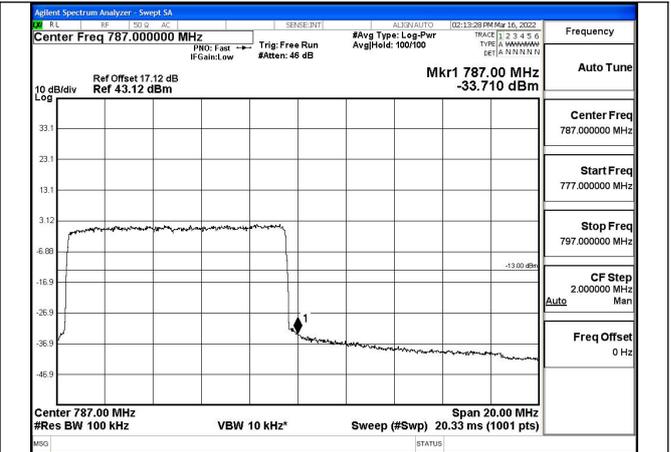
Fig.8

7   Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band 13 Low Channel QPSK | |
		5M	10M
-10	NV	0.032	-0.023
0	NV	-0.023	0.011
+10	NV	-0.046	-0.055
+20	NV	-0.046	-0.034
+30	NV	0.012	0.036
+40	NV	-0.061	-0.063
+50	NV	0.027	-0.005
+20	LV	0.052	0.020
+20	HV	0.021	0.016

| Temperature(°C) | Voltage | Test Result (ppm) Band 13 High Channel QPSK | |
		5M	10M
-10	NV	0.006	-0.031
0	NV	-0.014	0.011
+10	NV	-0.033	-0.058
+20	NV	-0.025	-0.038
+30	NV	-0.038	0.021
+40	NV	-0.017	-0.028
+50	NV	0.021	0.004
+20	LV	0.028	0.029
+20	HV	0.007	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	779.5	23205	5	1	0	23.28	18.06	0.064
QPSK	779.5	23205	5	1	12	23.52	18.30	0.068
QPSK	779.5	23205	5	1	24	23.25	18.03	0.064
QPSK	779.5	23205	5	12	0	22.29	17.07	0.051
QPSK	779.5	23205	5	12	7	22.53	17.31	0.054
QPSK	779.5	23205	5	12	13	22.42	17.20	0.052
QPSK	779.5	23205	5	25	0	22.48	17.26	0.053
QPSK	782	23230	5	1	0	23.68	18.46	0.070
QPSK	782	23230	5	1	12	23.74	18.52	0.071
QPSK	782	23230	5	1	24	23.55	18.33	0.068
QPSK	782	23230	5	12	0	22.52	17.30	0.054
QPSK	782	23230	5	12	7	22.49	17.27	0.053
QPSK	782	23230	5	12	13	22.33	17.11	0.051
QPSK	782	23230	5	25	0	22.39	17.17	0.052
QPSK	784.5	23255	5	1	0	23.73	18.51	0.071
QPSK	784.5	23255	5	1	12	23.75	18.53	0.071
QPSK	784.5	23255	5	1	24	23.76	18.54	0.071
QPSK	784.5	23255	5	12	0	22.54	17.32	0.054
QPSK	784.5	23255	5	12	7	22.43	17.21	0.053
QPSK	784.5	23255	5	12	13	22.56	17.34	0.054
QPSK	784.5	23255	5	25	0	22.41	17.19	0.052

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	779.5	23205	5	1	0	22.63	17.41	0.055
16QAM	779.5	23205	5	1	12	22.44	17.22	0.053
16QAM	779.5	23205	5	1	24	22.37	17.15	0.052
16QAM	779.5	23205	5	12	0	21.46	16.24	0.042
16QAM	779.5	23205	5	12	7	21.35	16.13	0.041
16QAM	779.5	23205	5	12	13	21.37	16.15	0.041
16QAM	779.5	23205	5	25	0	21.66	16.44	0.044
16QAM	782	23230	5	1	0	23.07	17.85	0.061
16QAM	782	23230	5	1	12	22.90	17.68	0.059
16QAM	782	23230	5	1	24	22.84	17.62	0.058
16QAM	782	23230	5	12	0	21.63	16.41	0.044
16QAM	782	23230	5	12	7	21.62	16.40	0.044
16QAM	782	23230	5	12	13	21.46	16.24	0.042
16QAM	782	23230	5	25	0	21.51	16.29	0.043
16QAM	784.5	23255	5	1	0	22.60	17.38	0.055
16QAM	784.5	23255	5	1	12	22.62	17.40	0.055
16QAM	784.5	23255	5	1	24	22.75	17.53	0.057
16QAM	784.5	23255	5	12	0	21.40	16.18	0.041
16QAM	784.5	23255	5	12	7	21.46	16.24	0.042
16QAM	784.5	23255	5	12	13	21.32	16.10	0.041
16QAM	784.5	23255	5	25	0	21.45	16.23	0.042
64QAM	779.5	23205	5	1	0	21.26	16.04	0.040
64QAM	779.5	23205	5	1	12	21.48	16.26	0.042
64QAM	779.5	23205	5	1	24	21.05	15.83	0.038
64QAM	779.5	23205	5	12	0	20.27	15.05	0.032
64QAM	779.5	23205	5	12	7	20.81	15.59	0.036
64QAM	779.5	23205	5	12	13	20.47	15.25	0.033
64QAM	779.5	23205	5	25	0	20.34	15.12	0.033
64QAM	782	23230	5	1	0	22.02	16.80	0.048
64QAM	782	23230	5	1	12	21.49	16.27	0.042
64QAM	782	23230	5	1	24	21.87	16.65	0.046
64QAM	782	23230	5	12	0	20.53	15.31	0.034
64QAM	782	23230	5	12	7	20.73	15.51	0.036
64QAM	782	23230	5	12	13	20.30	15.08	0.032
64QAM	782	23230	5	25	0	20.69	15.47	0.035
64QAM	784.5	23255	5	1	0	22.05	16.83	0.048
64QAM	784.5	23255	5	1	12	22.15	16.93	0.049
64QAM	784.5	23255	5	1	24	21.77	16.55	0.045
64QAM	784.5	23255	5	12	0	20.37	15.15	0.033
64QAM	784.5	23255	5	12	7	20.39	15.17	0.033
64QAM	784.5	23255	5	12	13	20.31	15.09	0.032
64QAM	784.5	23255	5	25	0	20.44	15.22	0.033

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	782	23230	10	1	0	23.65	18.43	0.070
QPSK	782	23230	10	1	25	23.85	18.63	0.073
QPSK	782	23230	10	1	49	23.58	18.36	0.069
QPSK	782	23230	10	25	0	22.52	17.30	0.054
QPSK	782	23230	10	25	12	22.46	17.24	0.053
QPSK	782	23230	10	25	25	22.66	17.44	0.055
QPSK	782	23230	10	50	0	22.50	17.28	0.053
QPSK	782	23230	10	1	0	23.59	18.37	0.069
QPSK	782	23230	10	1	25	23.82	18.60	0.072
QPSK	782	23230	10	1	49	23.81	18.59	0.072
QPSK	782	23230	10	25	0	22.47	17.25	0.053
QPSK	782	23230	10	25	12	22.40	17.18	0.052
QPSK	782	23230	10	25	25	22.20	16.98	0.050
QPSK	782	23230	10	50	0	22.48	17.26	0.053
QPSK	782	23230	10	1	0	23.67	18.45	0.070
QPSK	782	23230	10	1	25	23.55	18.33	0.068
QPSK	782	23230	10	1	49	23.73	18.51	0.071
QPSK	782	23230	10	25	0	22.48	17.26	0.053
QPSK	782	23230	10	25	12	22.40	17.18	0.052
QPSK	782	23230	10	25	25	22.28	17.06	0.051
QPSK	782	23230	10	50	0	22.47	17.25	0.053

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	782	23230	10	1	0	22.58	17.36	0.054
16QAM	782	23230	10	1	25	23.00	17.78	0.060
16QAM	782	23230	10	1	49	22.22	17.00	0.050
16QAM	782	23230	10	25	0	21.59	16.37	0.043
16QAM	782	23230	10	25	12	21.55	16.33	0.043
16QAM	782	23230	10	25	25	21.57	16.35	0.043
16QAM	782	23230	10	50	0	21.48	16.26	0.042
16QAM	782	23230	10	1	0	22.57	17.35	0.054
16QAM	782	23230	10	1	25	22.93	17.71	0.059
16QAM	782	23230	10	1	49	22.73	17.51	0.056
16QAM	782	23230	10	25	0	21.62	16.40	0.044
16QAM	782	23230	10	25	12	21.63	16.41	0.044
16QAM	782	23230	10	25	25	21.48	16.26	0.042
16QAM	782	23230	10	50	0	21.33	16.11	0.041
16QAM	782	23230	10	1	0	22.63	17.41	0.055
16QAM	782	23230	10	1	25	22.43	17.21	0.053
16QAM	782	23230	10	1	49	22.51	17.29	0.054
16QAM	782	23230	10	25	0	21.58	16.36	0.043
16QAM	782	23230	10	25	12	21.64	16.42	0.044
16QAM	782	23230	10	25	25	21.54	16.32	0.043
16QAM	782	23230	10	50	0	21.37	16.15	0.041
64QAM	782	23230	10	1	0	21.77	16.55	0.045
64QAM	782	23230	10	1	25	21.72	16.50	0.045
64QAM	782	23230	10	1	49	21.64	16.42	0.044
64QAM	782	23230	10	25	0	20.43	15.21	0.033
64QAM	782	23230	10	25	12	21.00	15.78	0.038
64QAM	782	23230	10	25	25	20.47	15.25	0.033
64QAM	782	23230	10	50	0	20.74	15.52	0.036
64QAM	782	23230	10	1	0	21.90	16.68	0.047
64QAM	782	23230	10	1	25	21.17	15.95	0.039
64QAM	782	23230	10	1	49	21.70	16.48	0.044
64QAM	782	23230	10	25	0	20.46	15.24	0.033
64QAM	782	23230	10	25	12	20.69	15.47	0.035
64QAM	782	23230	10	25	25	20.43	15.21	0.033
64QAM	782	23230	10	50	0	21.19	15.97	0.040
64QAM	782	23230	10	1	0	21.56	16.34	0.043
64QAM	782	23230	10	1	25	21.84	16.62	0.046
64QAM	782	23230	10	1	49	21.96	16.74	0.047
64QAM	782	23230	10	25	0	20.58	15.36	0.034
64QAM	782	23230	10	25	12	20.62	15.40	0.035
64QAM	782	23230	10	25	25	20.65	15.43	0.035
64QAM	782	23230	10	50	0	21.22	16.00	0.040