

Appendix for Band 26(824-849MHz)

Product Name: 4G Power Socket

Model No: GSMSOCUS4G (EXA)

Appendix A: Average Power Output

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	21.78	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	21.68	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	21.59	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	21.99	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	21.92	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	21.71	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	20.87	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	22.39	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	22.33	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	22.15	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	22.16	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	22.18	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	22.27	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	21.20	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.23	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	22.29	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	22.35	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	22.11	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	22.15	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	22.06	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	21.16	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	20.87	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	21.01	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	20.81	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	20.71	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	20.63	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	20.65	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	20.89	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	21.27	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	21.70	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	21.55	PASS

Band26	1.4MHz	16QAM	26915	3RB#0	20.99	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	21.02	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	20.92	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	20.51	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	21.16	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	21.56	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	21.61	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	20.96	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	20.71	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	20.93	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	20.69	PASS
Band26	3MHz	QPSK	26805	1RB#0	21.34	PASS
Band26	3MHz	QPSK	26805	1RB#8	21.40	PASS
Band26	3MHz	QPSK	26805	1RB#14	21.32	PASS
Band26	3MHz	QPSK	26805	8RB#0	20.41	PASS
Band26	3MHz	QPSK	26805	8RB#4	20.40	PASS
Band26	3MHz	QPSK	26805	8RB#7	20.55	PASS
Band26	3MHz	QPSK	26805	15RB#0	20.36	PASS
Band26	3MHz	QPSK	26915	1RB#0	21.67	PASS
Band26	3MHz	QPSK	26915	1RB#8	22.23	PASS
Band26	3MHz	QPSK	26915	1RB#14	21.92	PASS
Band26	3MHz	QPSK	26915	8RB#0	20.96	PASS
Band26	3MHz	QPSK	26915	8RB#4	20.93	PASS
Band26	3MHz	QPSK	26915	8RB#7	20.92	PASS
Band26	3MHz	QPSK	26915	15RB#0	21.04	PASS
Band26	3MHz	QPSK	27025	1RB#0	21.78	PASS
Band26	3MHz	QPSK	27025	1RB#8	21.93	PASS
Band26	3MHz	QPSK	27025	1RB#14	22.17	PASS
Band26	3MHz	QPSK	27025	8RB#0	21.02	PASS
Band26	3MHz	QPSK	27025	8RB#4	21.14	PASS
Band26	3MHz	QPSK	27025	8RB#7	21.03	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.14	PASS
Band26	3MHz	16QAM	26805	1RB#0	20.52	PASS
Band26	3MHz	16QAM	26805	1RB#8	20.67	PASS
Band26	3MHz	16QAM	26805	1RB#14	20.46	PASS
Band26	3MHz	16QAM	26805	8RB#0	20.55	PASS
Band26	3MHz	16QAM	26805	8RB#4	20.56	PASS

Band26	3MHz	16QAM	26805	8RB#7	20.59	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.55	PASS
Band26	3MHz	16QAM	26915	1RB#0	20.74	PASS
Band26	3MHz	16QAM	26915	1RB#8	21.02	PASS
Band26	3MHz	16QAM	26915	1RB#14	20.75	PASS
Band26	3MHz	16QAM	26915	8RB#0	20.71	PASS
Band26	3MHz	16QAM	26915	8RB#4	20.59	PASS
Band26	3MHz	16QAM	26915	8RB#7	20.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	20.87	PASS
Band26	3MHz	16QAM	27025	1RB#0	21.02	PASS
Band26	3MHz	16QAM	27025	1RB#8	21.51	PASS
Band26	3MHz	16QAM	27025	1RB#14	20.97	PASS
Band26	3MHz	16QAM	27025	8RB#0	20.52	PASS
Band26	3MHz	16QAM	27025	8RB#4	20.48	PASS
Band26	3MHz	16QAM	27025	8RB#7	20.52	PASS
Band26	3MHz	16QAM	27025	15RB#0	20.53	PASS
Band26	5MHz	QPSK	26815	1RB#0	21.30	PASS
Band26	5MHz	QPSK	26815	1RB#12	21.39	PASS
Band26	5MHz	QPSK	26815	1RB#24	21.49	PASS
Band26	5MHz	QPSK	26815	12RB#0	20.48	PASS
Band26	5MHz	QPSK	26815	12RB#6	20.47	PASS
Band26	5MHz	QPSK	26815	12RB#13	20.75	PASS
Band26	5MHz	QPSK	26815	25RB#0	20.47	PASS
Band26	5MHz	QPSK	26915	1RB#0	21.72	PASS
Band26	5MHz	QPSK	26915	1RB#12	22.16	PASS
Band26	5MHz	QPSK	26915	1RB#24	22.06	PASS
Band26	5MHz	QPSK	26915	12RB#0	20.91	PASS
Band26	5MHz	QPSK	26915	12RB#6	20.88	PASS
Band26	5MHz	QPSK	26915	12RB#13	21.01	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.04	PASS
Band26	5MHz	QPSK	27015	1RB#0	21.84	PASS
Band26	5MHz	QPSK	27015	1RB#12	22.03	PASS
Band26	5MHz	QPSK	27015	1RB#24	22.21	PASS
Band26	5MHz	QPSK	27015	12RB#0	21.15	PASS
Band26	5MHz	QPSK	27015	12RB#6	21.10	PASS
Band26	5MHz	QPSK	27015	12RB#13	20.98	PASS
Band26	5MHz	QPSK	27015	25RB#0	21.05	PASS

Band26	5MHz	16QAM	26815	1RB#0	20.36	PASS
Band26	5MHz	16QAM	26815	1RB#12	20.54	PASS
Band26	5MHz	16QAM	26815	1RB#24	20.66	PASS
Band26	5MHz	16QAM	26815	12RB#0	20.53	PASS
Band26	5MHz	16QAM	26815	12RB#6	20.50	PASS
Band26	5MHz	16QAM	26815	12RB#13	20.73	PASS
Band26	5MHz	16QAM	26815	25RB#0	20.57	PASS
Band26	5MHz	16QAM	26915	1RB#0	20.77	PASS
Band26	5MHz	16QAM	26915	1RB#12	20.98	PASS
Band26	5MHz	16QAM	26915	1RB#24	20.96	PASS
Band26	5MHz	16QAM	26915	12RB#0	20.84	PASS
Band26	5MHz	16QAM	26915	12RB#6	20.80	PASS
Band26	5MHz	16QAM	26915	12RB#13	20.51	PASS
Band26	5MHz	16QAM	26915	25RB#0	20.54	PASS
Band26	5MHz	16QAM	27015	1RB#0	21.06	PASS
Band26	5MHz	16QAM	27015	1RB#12	20.83	PASS
Band26	5MHz	16QAM	27015	1RB#24	21.30	PASS
Band26	5MHz	16QAM	27015	12RB#0	20.46	PASS
Band26	5MHz	16QAM	27015	12RB#6	20.63	PASS
Band26	5MHz	16QAM	27015	12RB#13	20.55	PASS
Band26	5MHz	16QAM	27015	25RB#0	20.54	PASS
Band26	10MHz	QPSK	26840	1RB#0	21.38	PASS
Band26	10MHz	QPSK	26840	1RB#24	21.73	PASS
Band26	10MHz	QPSK	26840	1RB#49	21.59	PASS
Band26	10MHz	QPSK	26840	25RB#0	20.59	PASS
Band26	10MHz	QPSK	26840	25RB#12	20.54	PASS
Band26	10MHz	QPSK	26840	25RB#25	20.72	PASS
Band26	10MHz	QPSK	26840	50RB#0	20.61	PASS
Band26	10MHz	QPSK	26915	1RB#0	21.54	PASS
Band26	10MHz	QPSK	26915	1RB#24	22.28	PASS
Band26	10MHz	QPSK	26915	1RB#49	21.84	PASS
Band26	10MHz	QPSK	26915	25RB#0	20.85	PASS
Band26	10MHz	QPSK	26915	25RB#12	20.91	PASS
Band26	10MHz	QPSK	26915	25RB#25	20.95	PASS
Band26	10MHz	QPSK	26915	50RB#0	20.96	PASS
Band26	10MHz	QPSK	26990	1RB#0	21.95	PASS
Band26	10MHz	QPSK	26990	1RB#24	21.79	PASS

Band26	10MHz	QPSK	26990	1RB#49	21.86	PASS
Band26	10MHz	QPSK	26990	25RB#0	21.08	PASS
Band26	10MHz	QPSK	26990	25RB#12	20.95	PASS
Band26	10MHz	QPSK	26990	25RB#25	21.00	PASS
Band26	10MHz	QPSK	26990	50RB#0	20.96	PASS
Band26	10MHz	16QAM	26840	1RB#0	20.43	PASS
Band26	10MHz	16QAM	26840	1RB#24	20.73	PASS
Band26	10MHz	16QAM	26840	1RB#49	20.76	PASS
Band26	10MHz	16QAM	26840	25RB#0	20.57	PASS
Band26	10MHz	16QAM	26840	25RB#12	20.60	PASS
Band26	10MHz	16QAM	26840	25RB#25	20.74	PASS
Band26	10MHz	16QAM	26840	50RB#0	20.55	PASS
Band26	10MHz	16QAM	26915	1RB#0	20.65	PASS
Band26	10MHz	16QAM	26915	1RB#24	21.32	PASS
Band26	10MHz	16QAM	26915	1RB#49	20.82	PASS
Band26	10MHz	16QAM	26915	25RB#0	20.01	PASS
Band26	10MHz	16QAM	26915	25RB#12	20.89	PASS
Band26	10MHz	16QAM	26915	25RB#25	20.55	PASS
Band26	10MHz	16QAM	26915	50RB#0	20.86	PASS
Band26	10MHz	16QAM	26990	1RB#0	20.60	PASS
Band26	10MHz	16QAM	26990	1RB#24	21.12	PASS
Band26	10MHz	16QAM	26990	1RB#49	20.98	PASS
Band26	10MHz	16QAM	26990	25RB#0	20.54	PASS
Band26	10MHz	16QAM	26990	25RB#12	20.56	PASS
Band26	10MHz	16QAM	26990	25RB#25	20.44	PASS
Band26	10MHz	16QAM	26990	50RB#0	20.94	PASS
Band26	15MHz	QPSK	26865	1RB#0	21.31	PASS
Band26	15MHz	QPSK	26865	1RB#38	21.52	PASS
Band26	15MHz	QPSK	26865	1RB#74	21.74	PASS
Band26	15MHz	QPSK	26865	38RB#0	20.53	PASS
Band26	15MHz	QPSK	26865	38RB#18	20.81	PASS
Band26	15MHz	QPSK	26865	38RB#37	20.92	PASS
Band26	15MHz	QPSK	26865	75RB#0	20.72	PASS
Band26	15MHz	QPSK	26915	1RB#0	21.06	PASS
Band26	15MHz	QPSK	26915	1RB#38	21.81	PASS
Band26	15MHz	QPSK	26915	1RB#74	21.71	PASS
Band26	15MHz	QPSK	26915	38RB#0	20.50	PASS

Band26	15MHz	QPSK	26915	38RB#18	21.12	PASS
Band26	15MHz	QPSK	26915	38RB#37	20.86	PASS
Band26	15MHz	QPSK	26915	75RB#0	20.92	PASS
Band26	15MHz	QPSK	26965	1RB#0	21.50	PASS
Band26	15MHz	QPSK	26965	1RB#38	21.93	PASS
Band26	15MHz	QPSK	26965	1RB#74	21.85	PASS
Band26	15MHz	QPSK	26965	38RB#0	20.63	PASS
Band26	15MHz	QPSK	26965	38RB#18	21.05	PASS
Band26	15MHz	QPSK	26965	38RB#37	20.83	PASS
Band26	15MHz	QPSK	26965	75RB#0	20.86	PASS
Band26	15MHz	16QAM	26865	1RB#0	20.53	PASS
Band26	15MHz	16QAM	26865	1RB#38	20.62	PASS
Band26	15MHz	16QAM	26865	1RB#74	20.85	PASS
Band26	15MHz	16QAM	26865	38RB#0	20.49	PASS
Band26	15MHz	16QAM	26865	38RB#18	20.68	PASS
Band26	15MHz	16QAM	26865	38RB#37	20.94	PASS
Band26	15MHz	16QAM	26865	75RB#0	20.76	PASS
Band26	15MHz	16QAM	26915	1RB#0	20.59	PASS
Band26	15MHz	16QAM	26915	1RB#38	21.14	PASS
Band26	15MHz	16QAM	26915	1RB#74	20.85	PASS
Band26	15MHz	16QAM	26915	38RB#0	20.54	PASS
Band26	15MHz	16QAM	26915	38RB#18	21.14	PASS
Band26	15MHz	16QAM	26915	38RB#37	20.79	PASS
Band26	15MHz	16QAM	26915	75RB#0	20.57	PASS
Band26	15MHz	16QAM	26965	1RB#0	20.59	PASS
Band26	15MHz	16QAM	26965	1RB#38	21.01	PASS
Band26	15MHz	16QAM	26965	1RB#74	20.99	PASS
Band26	15MHz	16QAM	26965	38RB#0	20.63	PASS
Band26	15MHz	16QAM	26965	38RB#18	21.07	PASS
Band26	15MHz	16QAM	26965	38RB#37	21.06	PASS
Band26	15MHz	16QAM	26965	75RB#0	20.51	PASS

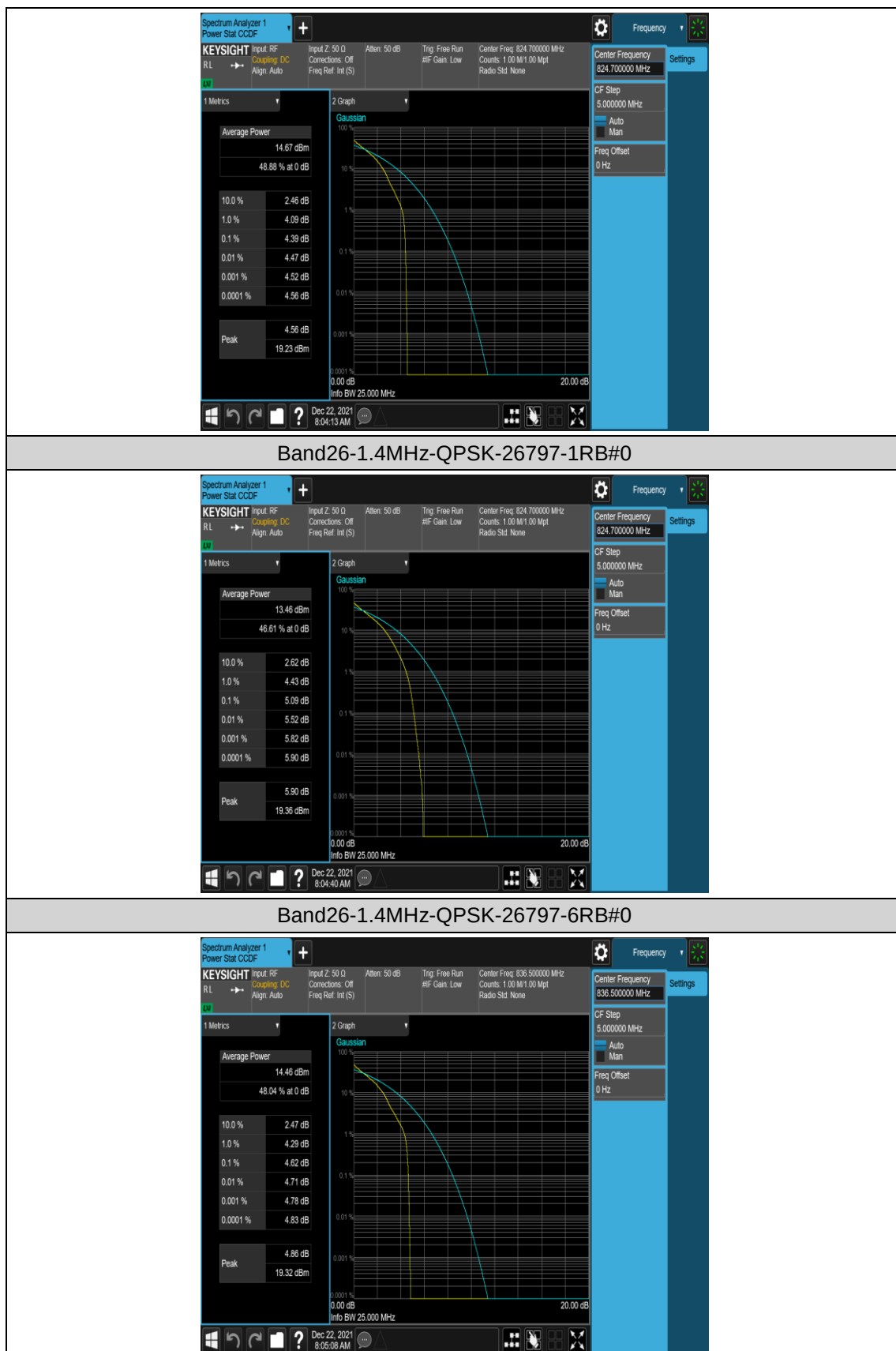
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

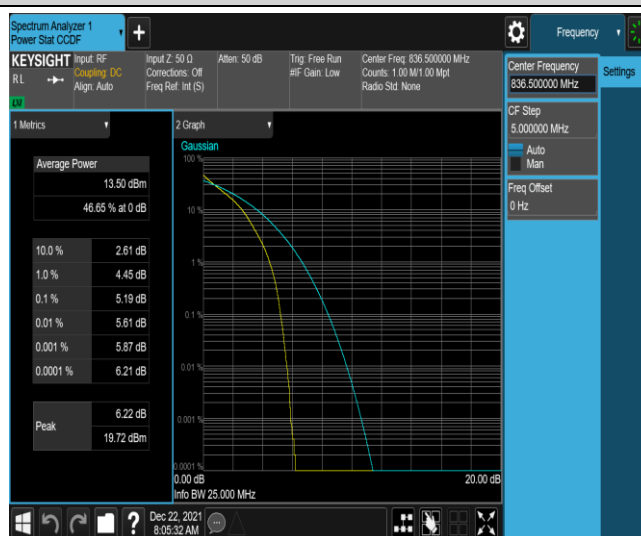
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	4.39	13	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	5.09	13	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	4.62	13	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	5.19	13	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	4.62	13	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	5.11	13	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	5.50	13	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	5.96	13	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	5.69	13	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	6.06	13	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	5.57	13	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	6.02	13	PASS
Band26	3MHz	QPSK	26805	1RB#0	4.40	13	PASS
Band26	3MHz	QPSK	26805	15RB#0	5.19	13	PASS
Band26	3MHz	QPSK	26915	1RB#0	4.67	13	PASS
Band26	3MHz	QPSK	26915	15RB#0	5.30	13	PASS
Band26	3MHz	QPSK	27025	1RB#0	4.71	13	PASS
Band26	3MHz	QPSK	27025	15RB#0	5.28	13	PASS
Band26	3MHz	16QAM	26805	1RB#0	5.32	13	PASS
Band26	3MHz	16QAM	26805	15RB#0	6.08	13	PASS
Band26	3MHz	16QAM	26915	1RB#0	5.49	13	PASS
Band26	3MHz	16QAM	26915	15RB#0	6.14	13	PASS
Band26	3MHz	16QAM	27025	1RB#0	5.72	13	PASS
Band26	3MHz	16QAM	27025	15RB#0	6.08	13	PASS
Band26	5MHz	QPSK	26815	1RB#0	4.40	13	PASS
Band26	5MHz	QPSK	26815	25RB#0	5.21	13	PASS
Band26	5MHz	QPSK	26915	1RB#0	4.62	13	PASS
Band26	5MHz	QPSK	26915	25RB#0	5.21	13	PASS
Band26	5MHz	QPSK	27015	1RB#0	4.49	13	PASS
Band26	5MHz	QPSK	27015	25RB#0	5.34	13	PASS
Band26	5MHz	16QAM	26815	1RB#0	5.35	13	PASS
Band26	5MHz	16QAM	26815	25RB#0	6.01	13	PASS
Band26	5MHz	16QAM	26915	1RB#0	5.55	13	PASS
Band26	5MHz	16QAM	26915	25RB#0	6.06	13	PASS
Band26	5MHz	16QAM	27015	1RB#0	5.40	13	PASS

Band26	5MHz	16QAM	27015	25RB#0	6.15	13	PASS
Band26	10MHz	QPSK	26840	1RB#0	4.39	13	PASS
Band26	10MHz	QPSK	26840	50RB#0	5.41	13	PASS
Band26	10MHz	QPSK	26915	1RB#0	4.57	13	PASS
Band26	10MHz	QPSK	26915	50RB#0	5.06	13	PASS
Band26	10MHz	QPSK	26990	1RB#0	4.49	13	PASS
Band26	10MHz	QPSK	26990	50RB#0	5.44	13	PASS
Band26	10MHz	16QAM	26840	1RB#0	5.29	13	PASS
Band26	10MHz	16QAM	26840	50RB#0	6.16	13	PASS
Band26	10MHz	16QAM	26915	1RB#0	5.48	13	PASS
Band26	10MHz	16QAM	26915	50RB#0	5.98	13	PASS
Band26	10MHz	16QAM	26990	1RB#0	5.50	13	PASS
Band26	10MHz	16QAM	26990	50RB#0	6.18	13	PASS
Band26	15MHz	QPSK	26865	1RB#0	4.42	13	PASS
Band26	15MHz	QPSK	26865	75RB#0	5.68	13	PASS
Band26	15MHz	QPSK	26915	1RB#0	4.54	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	5.10	13	PASS
Band26	15MHz	QPSK	26965	1RB#0	4.58	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	5.54	13	PASS
Band26	15MHz	16QAM	26865	1RB#0	5.28	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	6.37	13	PASS
Band26	15MHz	16QAM	26915	1RB#0	5.51	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	6.01	13	PASS
Band26	15MHz	16QAM	26965	1RB#0	5.66	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	6.29	13	PASS

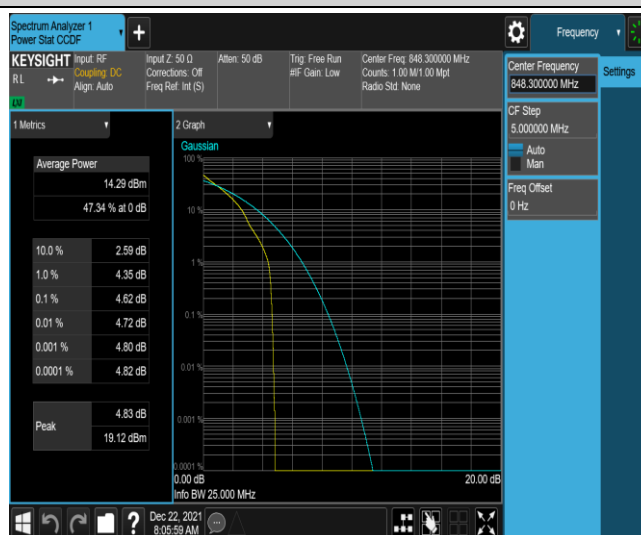
Test Graphs



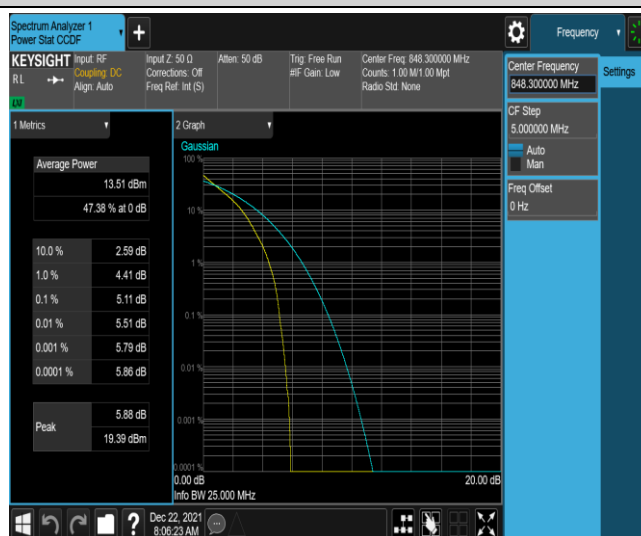
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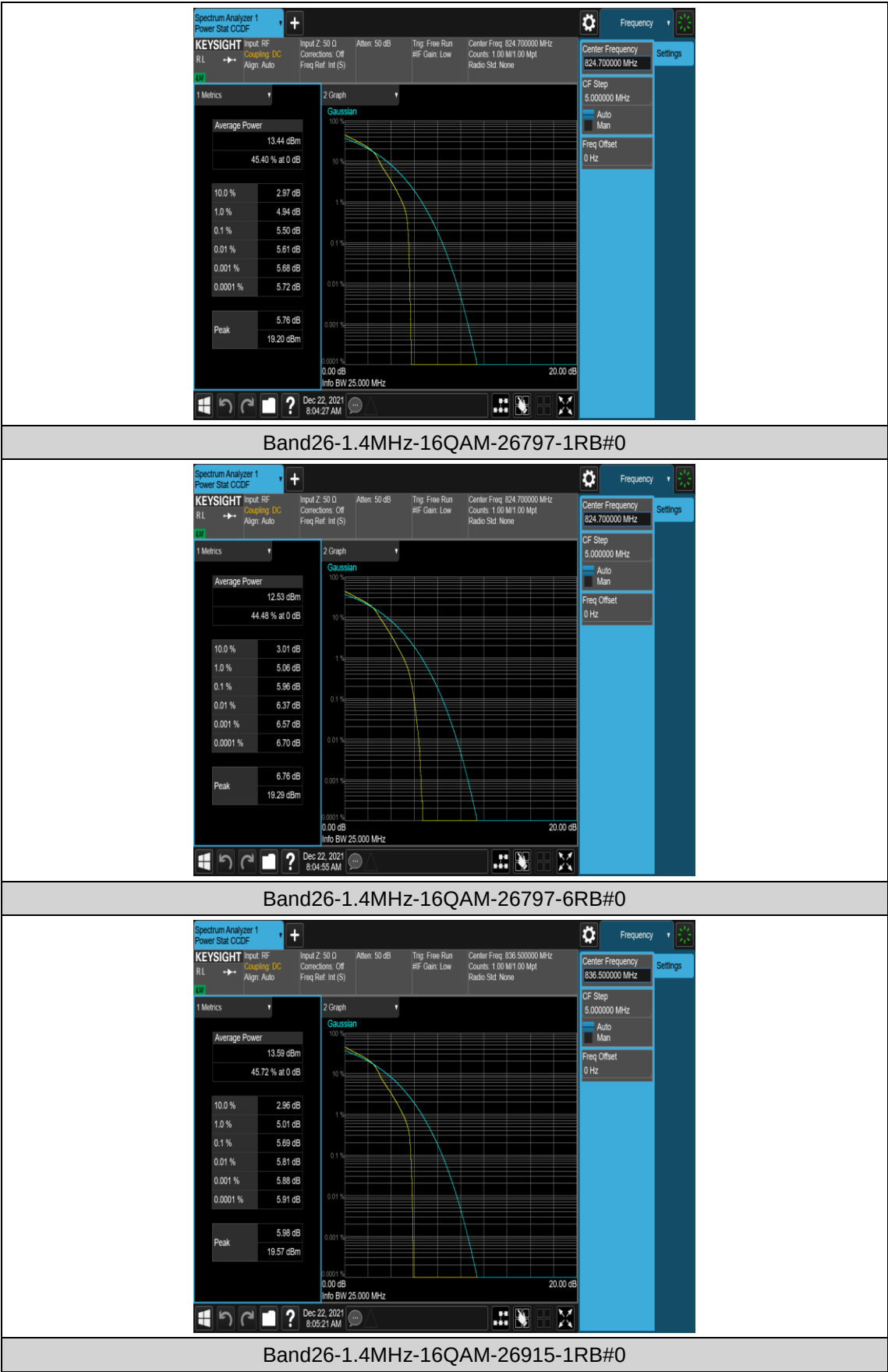
Band26-1.4MHz-QPSK-26915-6RB#0



Band26-1.4MHz-QPSK-27033-1RB#0

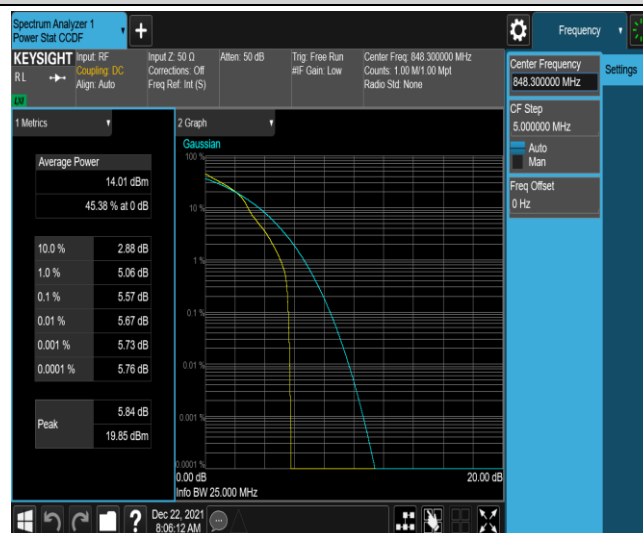


Band26-1.4MHz-QPSK-27033-6RB#0





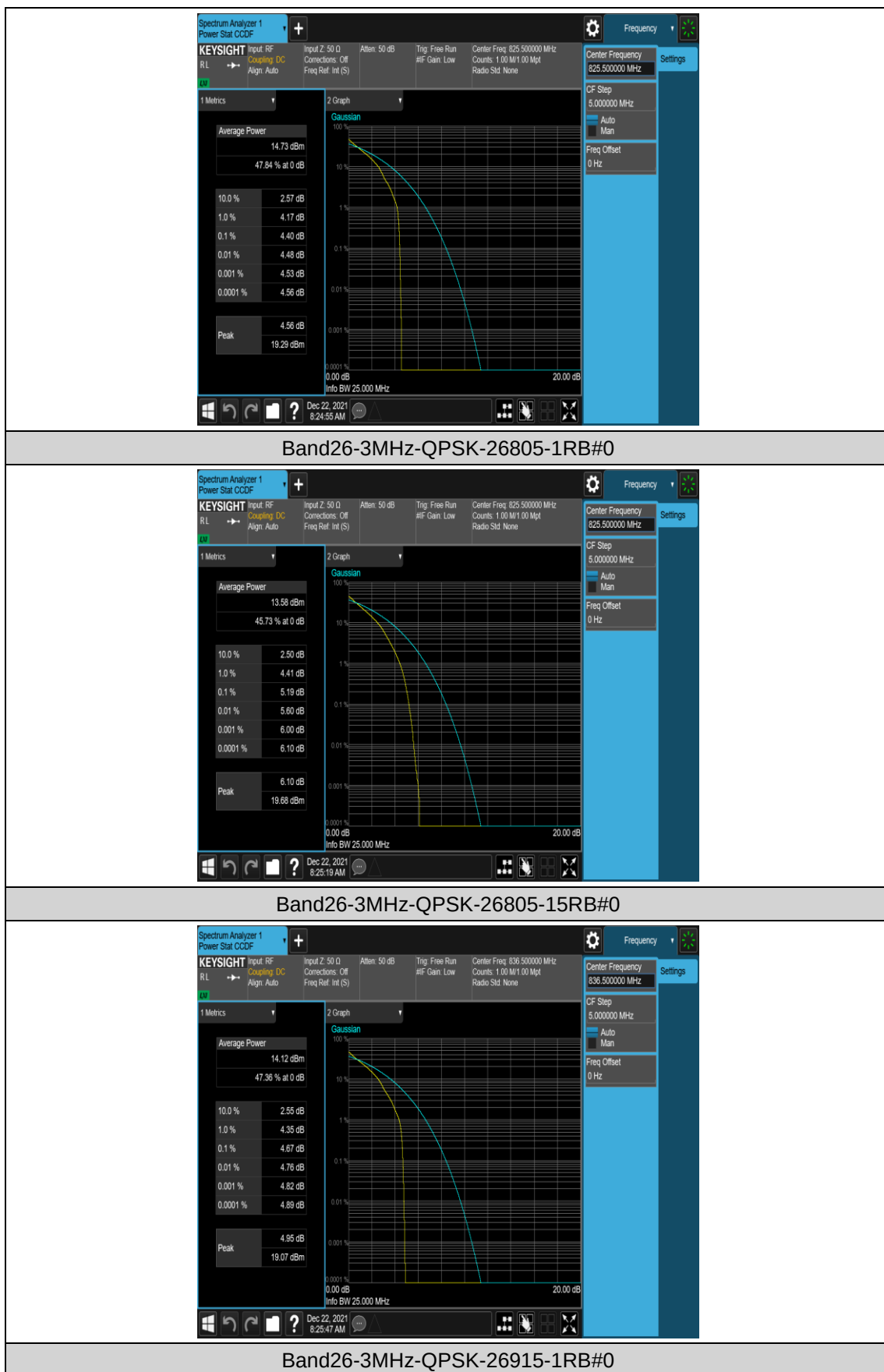
Band26-1.4MHz-16QAM-26915-6RB#0

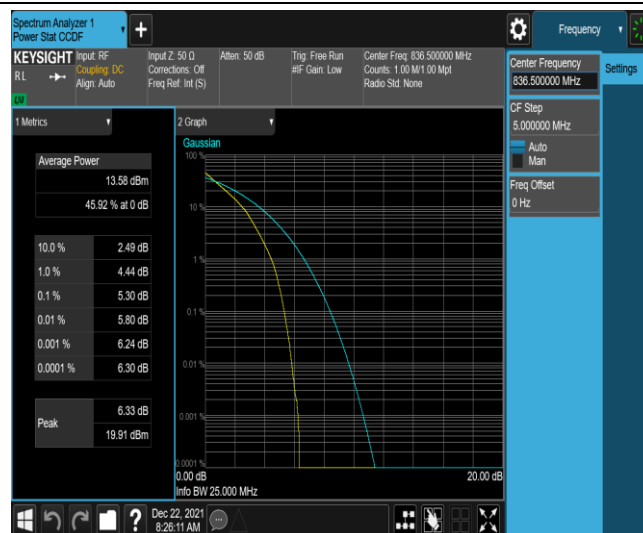


Band26-1.4MHz-16QAM-27033-1RB#0

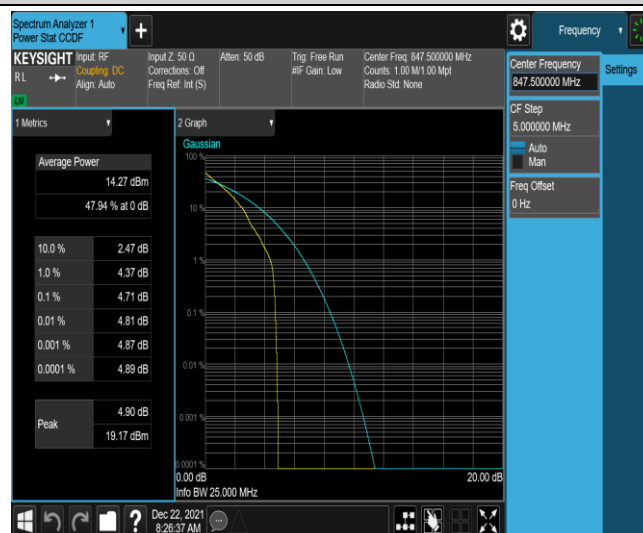


Band26-1.4MHz-16QAM-27033-6RB#0

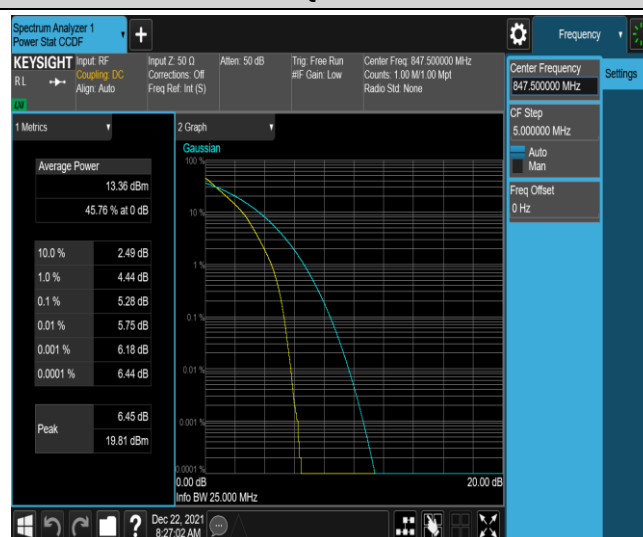




Band26-3MHz-QPSK-26915-15RB#0



Band26-3MHz-QPSK-27025-1RB#0



Band26-3MHz-QPSK-27025-15RB#0



Band26-3MHz-16QAM-26805-1RB#0



Band26-3MHz-16QAM-26805-15RB#0



Band26-3MHz-16QAM-26915-1RB#0

Spectrum Analyzer 1
Power Stat CDF

KEYSIGHT Input: RF
RL → Coupling DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

Attenu: 50 dB

Trig: Free Run
#IF Gain: Low

Center Freq: 847.500000 MHz
Counts: 1.00 M 1.00 Mpt
Radio Std: None

1 Metrics

Average Power

12.51 dBm

43.96 % at 0 dB

10.0 % 2.96 dB

1.0 % 5.07 dB

0.1 % 6.08 dB

0.01 % 6.54 dB

0.001 % 6.87 dB

0.0001 % 7.01 dB

Peak

7.06 dB

19.57 dBm

2 Graph

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0.0001 %

0.00 dB

Info BW 25.000 MHz

20.00 dB

Center Frequency
847.500000 MHz

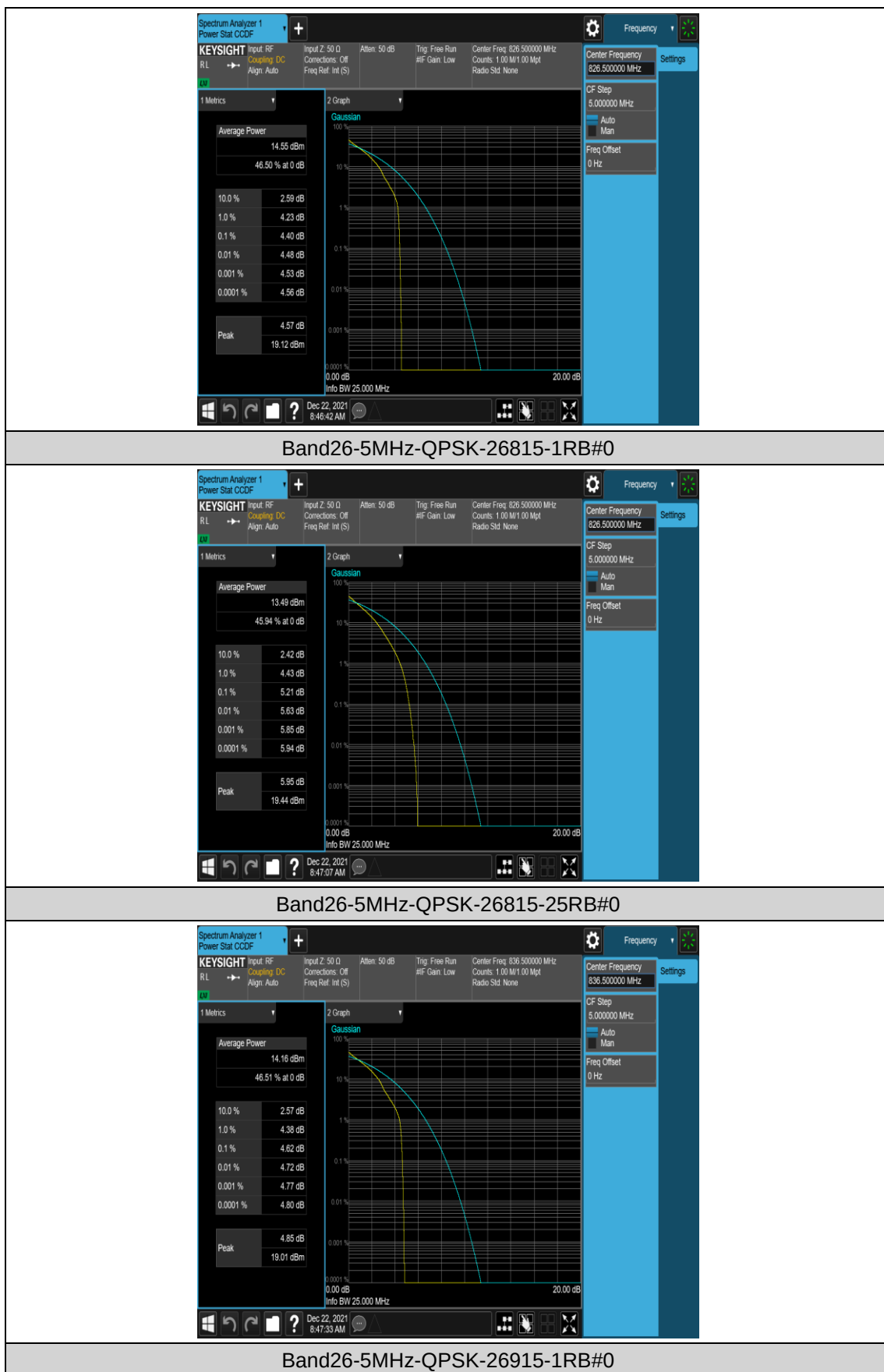
CF Step
5.000000 MHz

Auto
Man

Freq Offset
0 Hz

Frequency

Dec 22, 2021 8:27:16 AM







Band26-5MHz-16QAM-26815-1RB#0



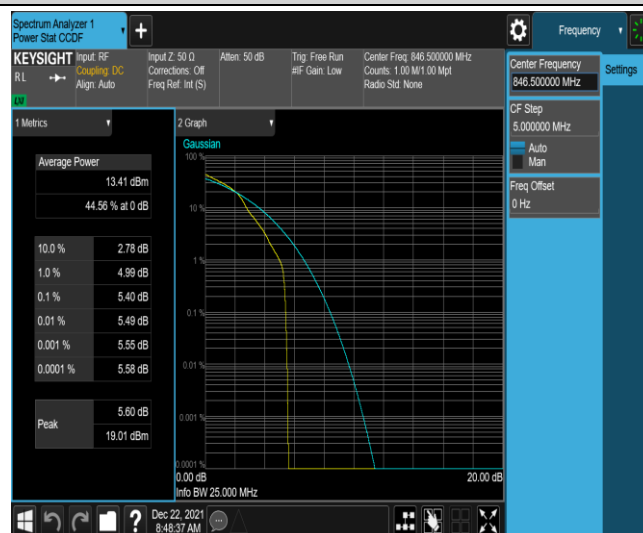
Band26-5MHz-16QAM-26815-25RB#0



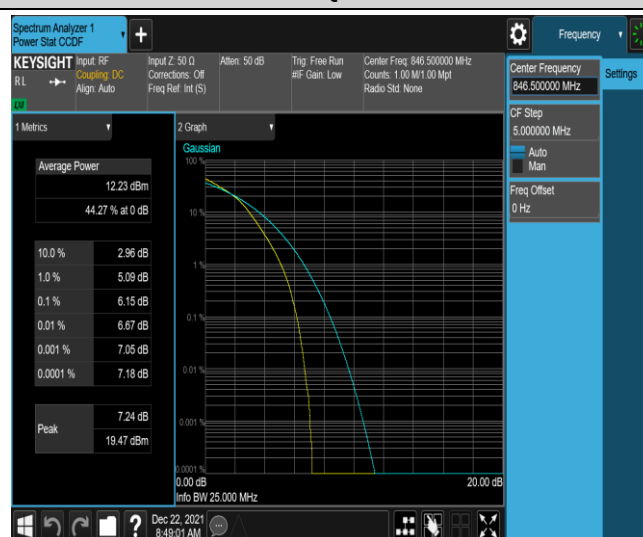
Band26-5MHz-16QAM-26915-1RB#0



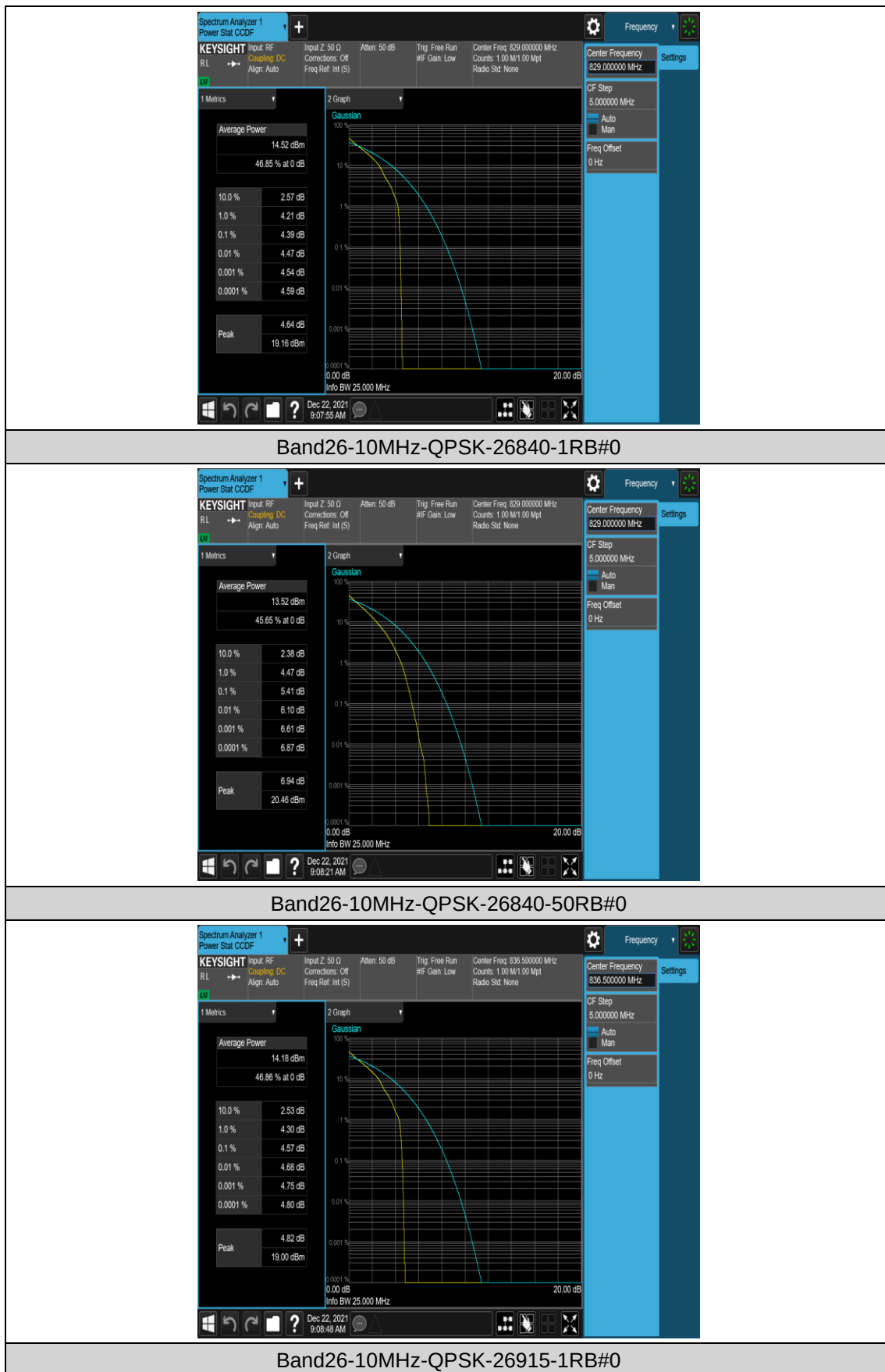
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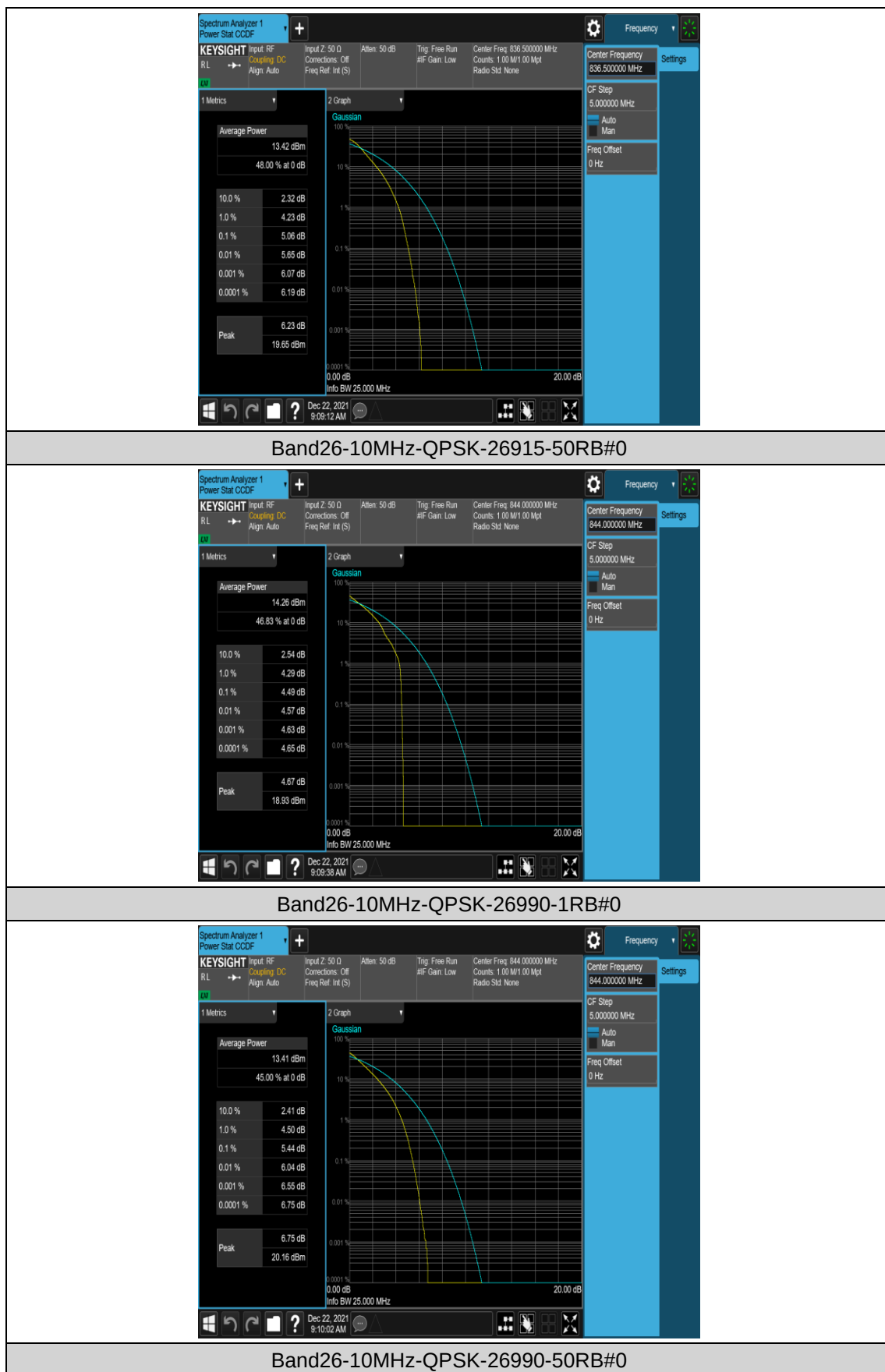


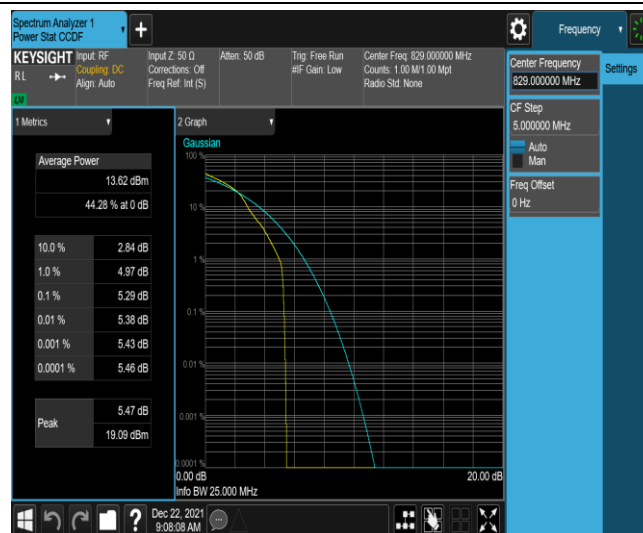
Band26-5MHz-16QAM-27015-1RB#0



Band26-5MHz-16QAM-27015-25RB#0



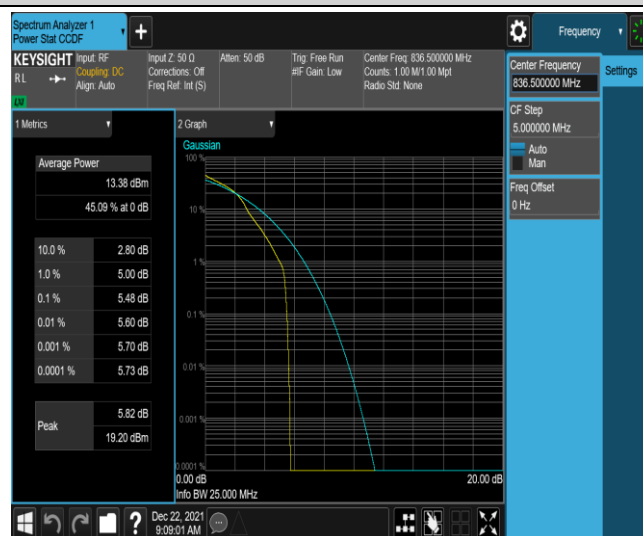




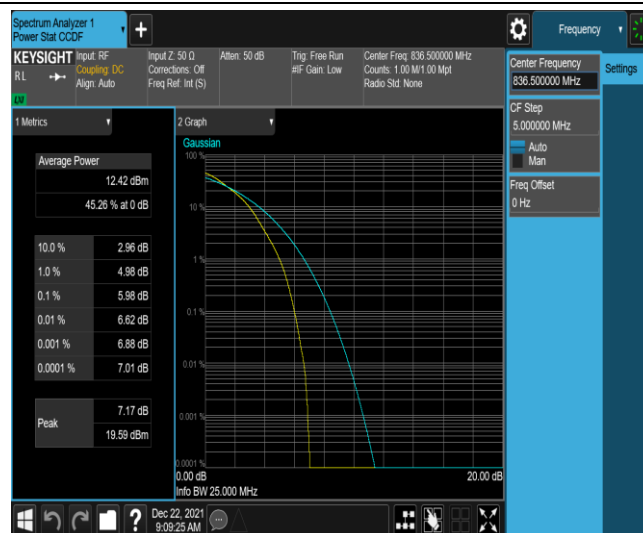
Band26-10MHz-16QAM-26840-1RB#0



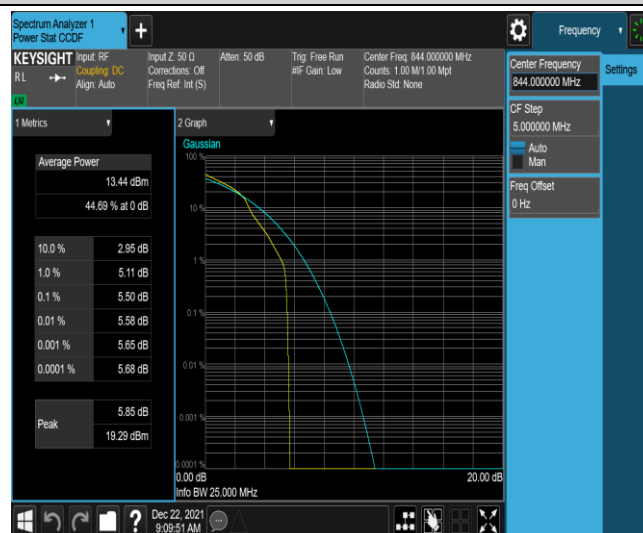
Band26-10MHz-16QAM-26840-50RB#0



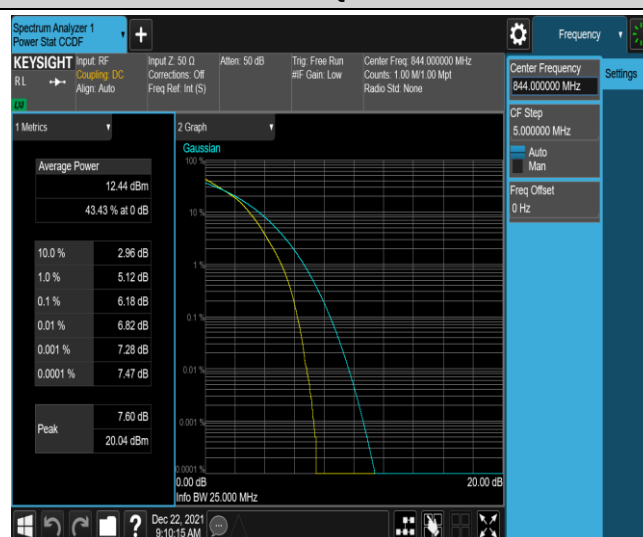
Band26-10MHz-16QAM-26915-1RB#0



Band26-10MHz-16QAM-26915-50RB#0



Band26-10MHz-16QAM-26990-1RB#0



Band26-10MHz-16QAM-26990-50RB#0

