

FCC LTE Band25 Test Data

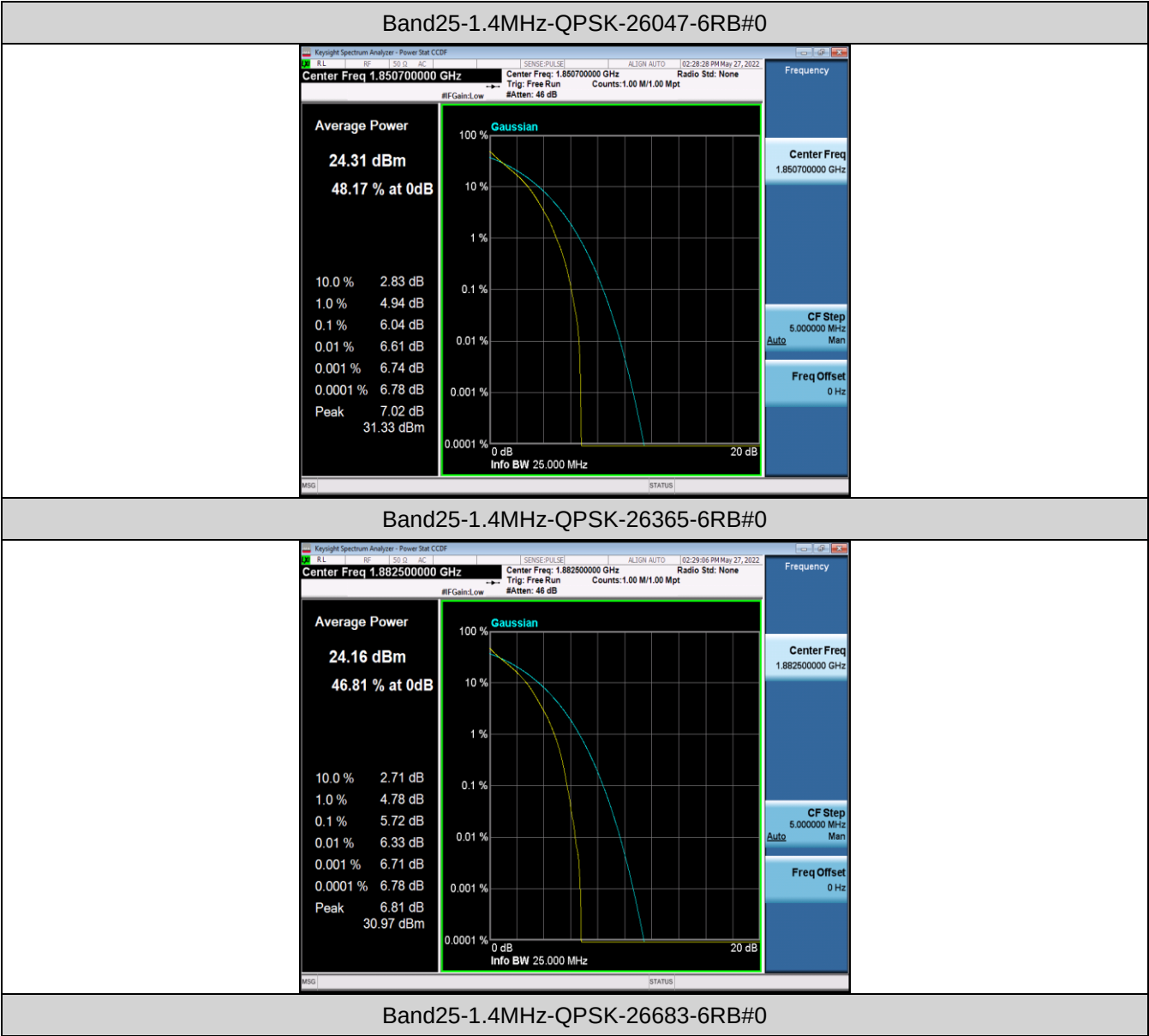
Appendix B: Peak-to-Average Ratio(CCDF)

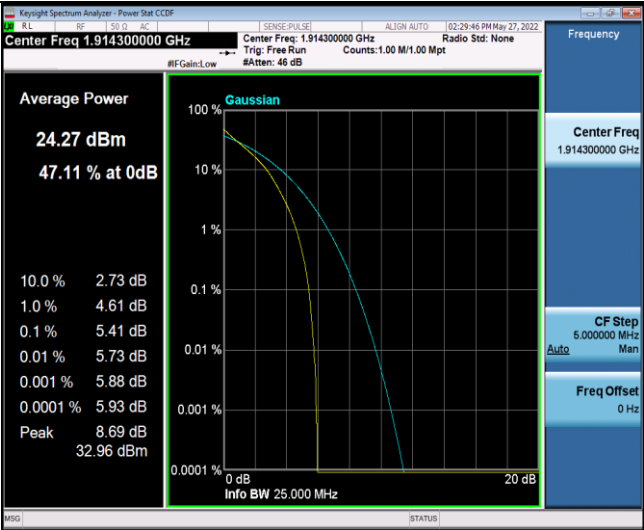
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	6.04	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.72	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	5.41	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	8.03	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	7.42	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	8.04	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.83	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.84	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	5.28	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	7.98	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	7.48	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	6.98	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	6.80	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	7.13	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	5.10	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	6.71	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	6.72	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	6.93	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	7.41	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	7.11	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.11	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	7.10	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.31	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	7.44	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	6.32	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	7.25	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	7.30	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	7.50	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	6.80	13	PASS

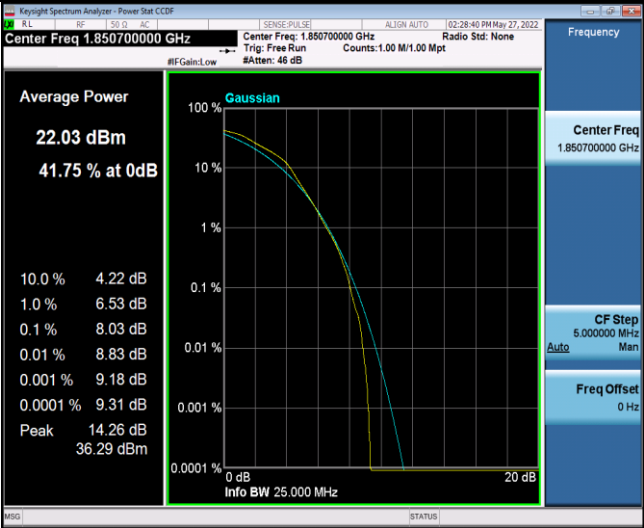
Band25	15MHz	16QAM	26615	75RB#0	7.07	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.91	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	6.59	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	7.35	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	7.34	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	7.00	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	8.12	13	PASS

Test Graphs

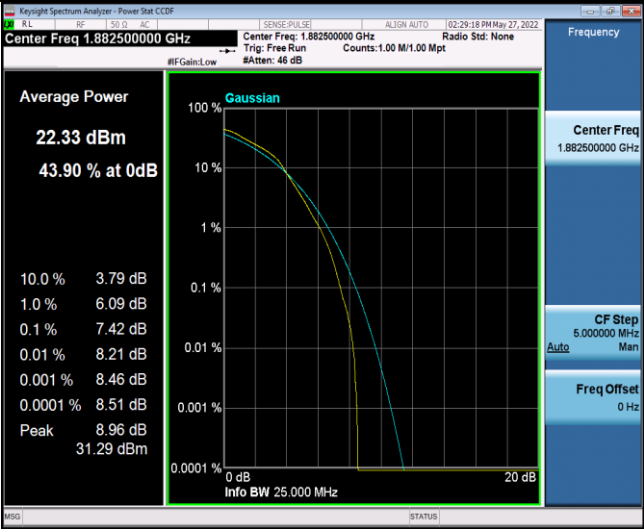




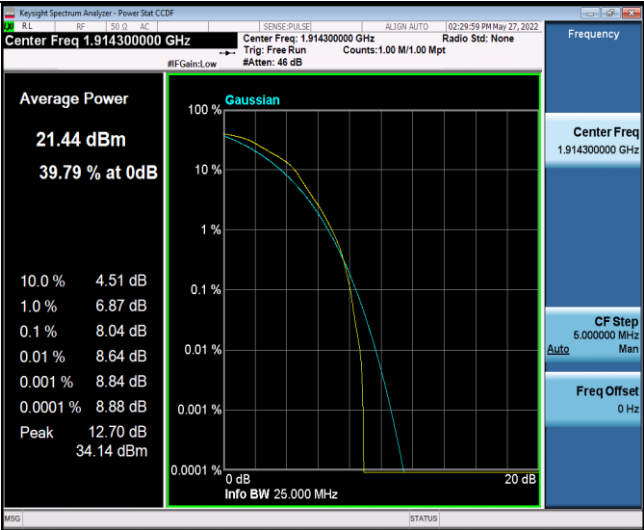
Band25-1.4MHz-16QAM-26047-6RB#0



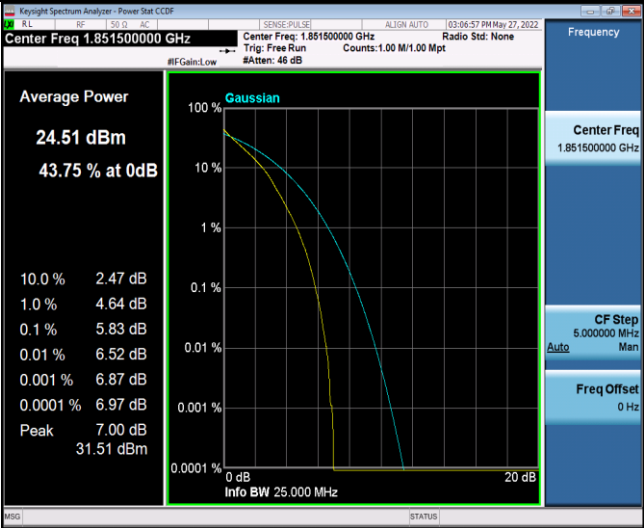
Band25-1.4MHz-16QAM-26365-6RB#0



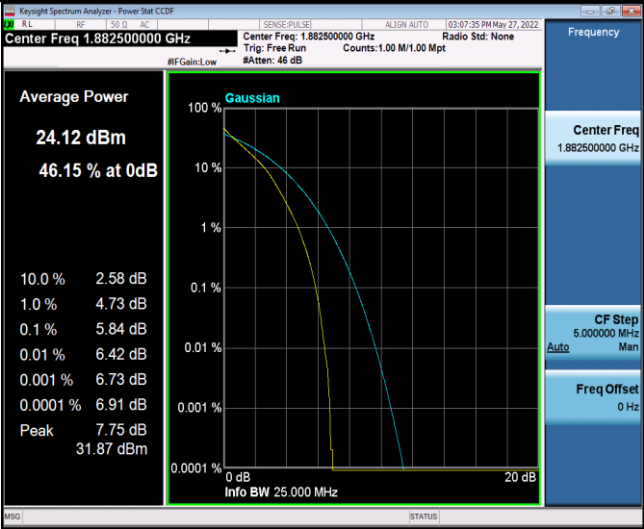
Band25-1.4MHz-16QAM-26683-6RB#0



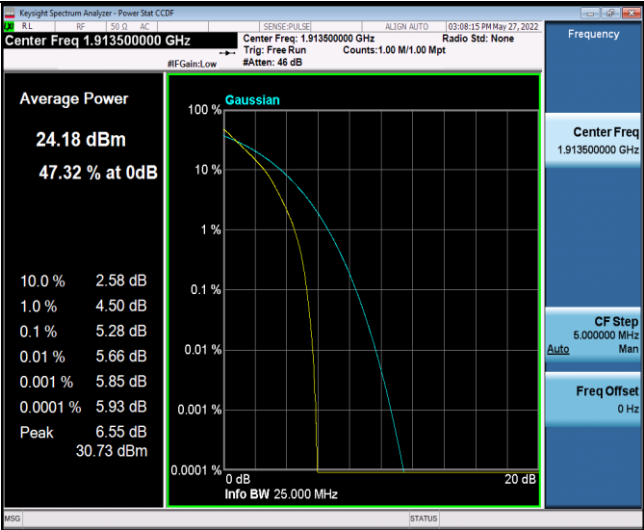
Band25-3MHz-QPSK-26055-15RB#0



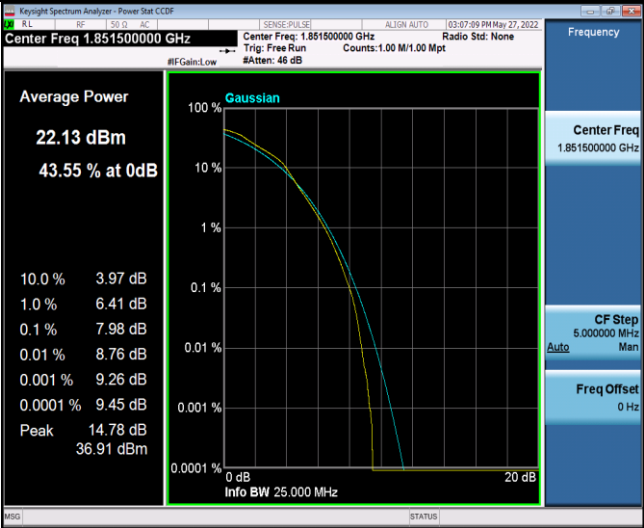
Band25-3MHz-QPSK-26365-15RB#0



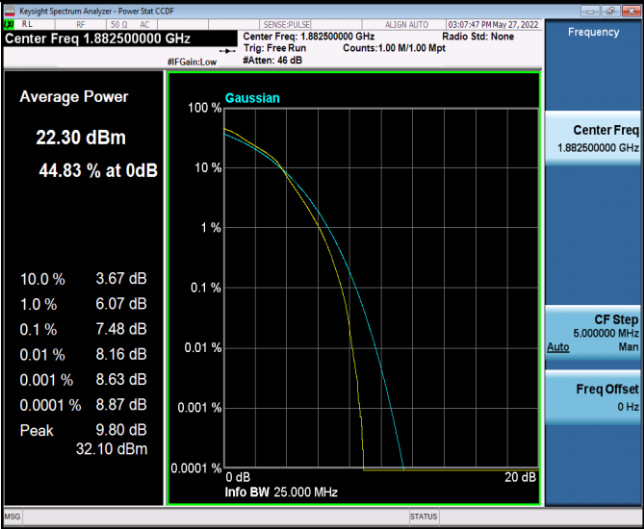
Band25-3MHz-QPSK-26675-15RB#0



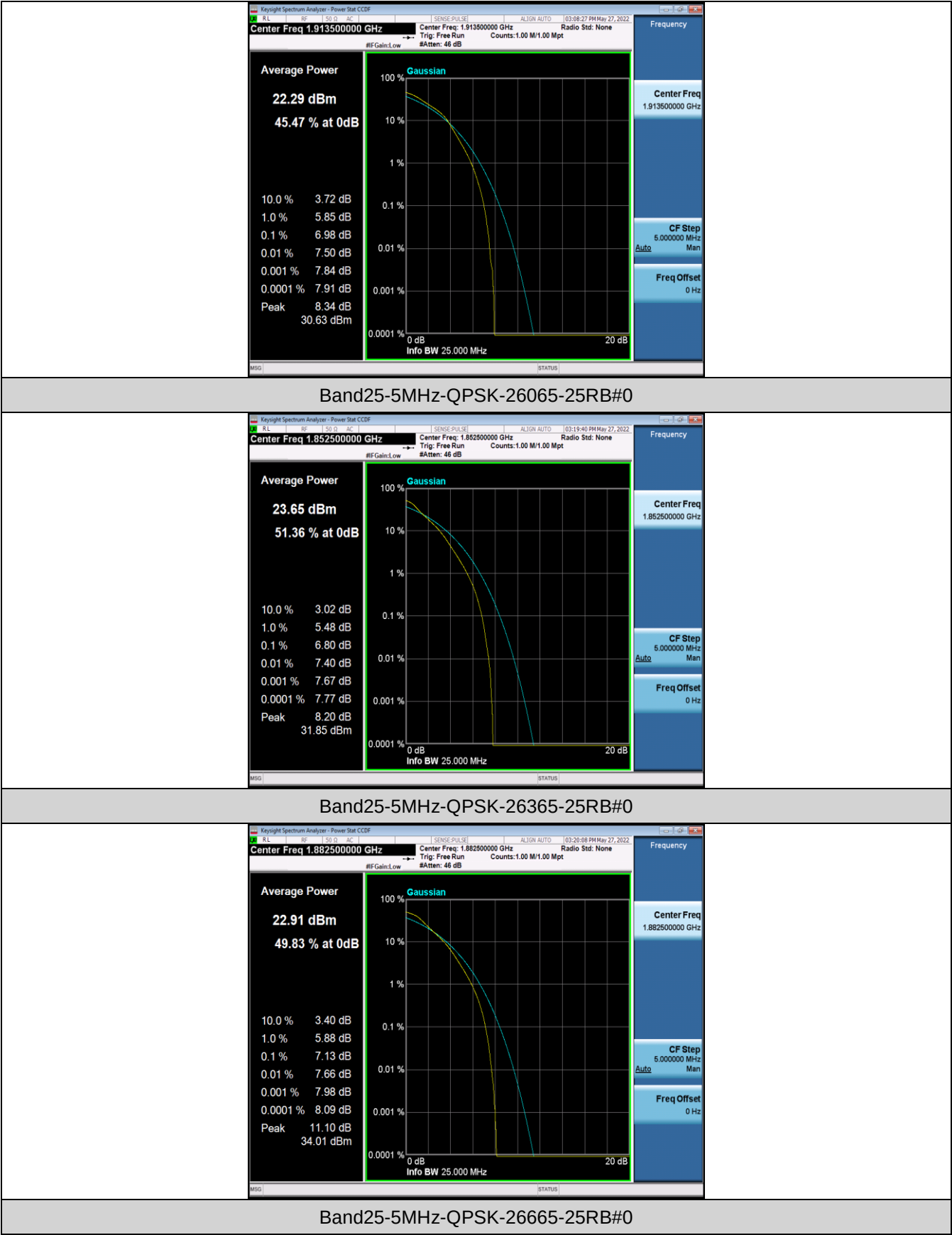
Band25-3MHz-16QAM-26055-15RB#0



Band25-3MHz-16QAM-26365-15RB#0



Band25-3MHz-16QAM-26675-15RB#0



KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 1.852500000 GHz

Center Freq: 1.852500000 GHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Align: AUTO

13:19:40 PM May 27, 2022

Frequency

Center Freq
1.852500000 GHz

CF Step
5.000000 MHz
Auto
Man

Freq Offset
0 Hz

Average Power

23.65 dBm

51.36 % at 0dB

10.0 % 3.02 dB

1.0 % 5.48 dB

0.1 % 6.80 dB

0.01 % 7.40 dB

0.001 % 7.67 dB

0.0001 % 7.77 dB

Peak 8.20 dBm

31.85 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band25-5MHz-QPSK-26365-25RB#0

KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 1.882500000 GHz

Center Freq: 1.882500000 GHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Align: AUTO

13:26:08 PM May 27, 2022

Frequency

Center Freq
1.882500000 GHz

CF Step
5.000000 MHz
Auto
Man

Freq Offset
0 Hz

Average Power

22.91 dBm

49.83 % at 0dB

10.0 % 3.40 dB

1.0 % 5.88 dB

0.1 % 7.13 dB

0.01 % 7.66 dB

0.001 % 7.98 dB

0.0001 % 8.09 dB

Peak 11.10 dBm

34.01 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

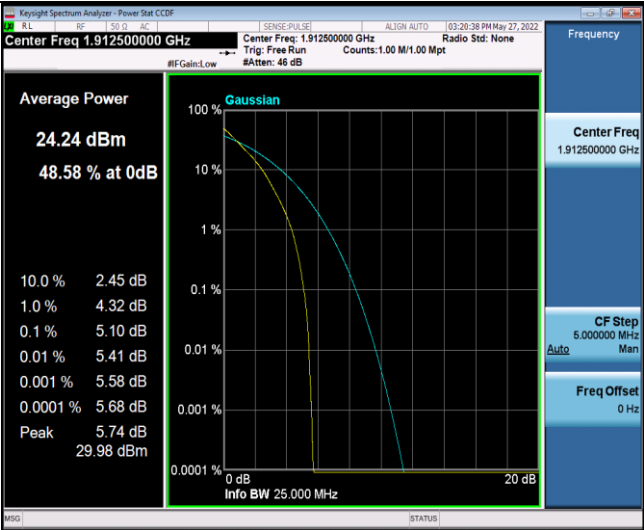
0.0001 %

0 dB

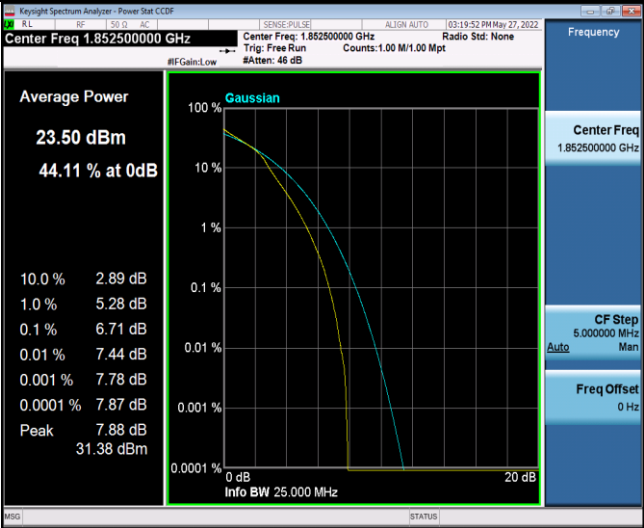
20 dB

Info BW 25.000 MHz

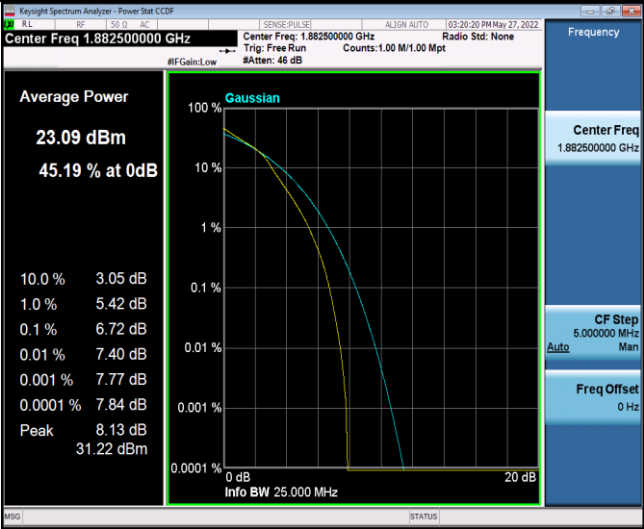
Band25-5MHz-QPSK-26665-25RB#0



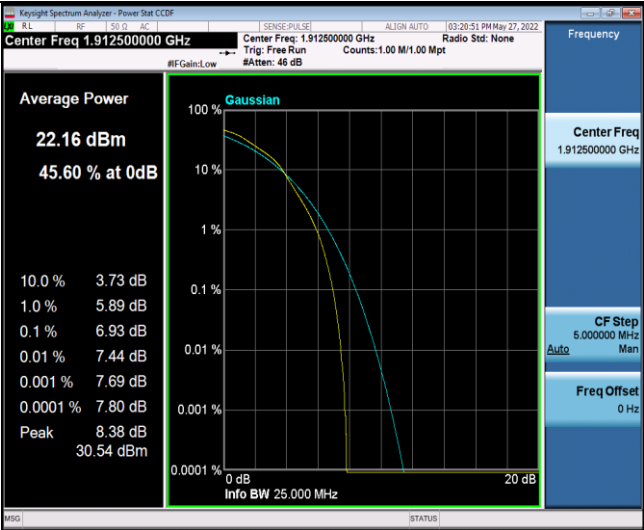
Band25-5MHz-16QAM-26065-25RB#0



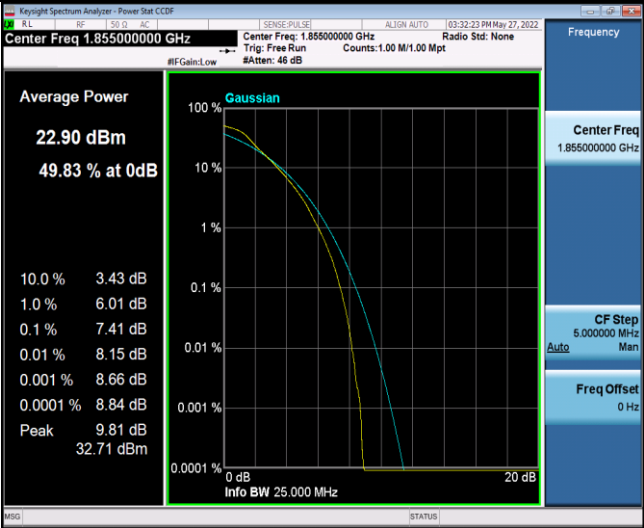
Band25-5MHz-16QAM-26365-25RB#0



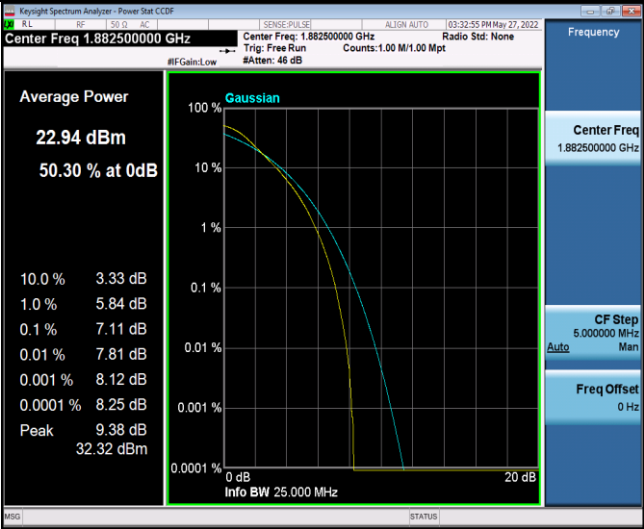
Band25-5MHz-16QAM-26665-25RB#0



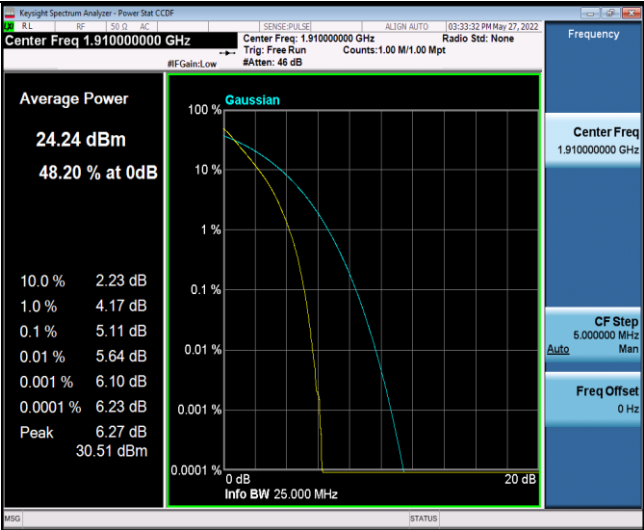
Band25-10MHz-QPSK-26090-50RB#0



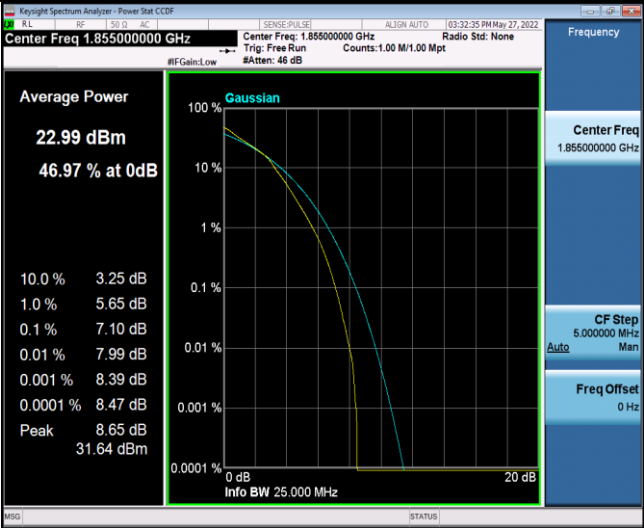
Band25-10MHz-QPSK-26365-50RB#0



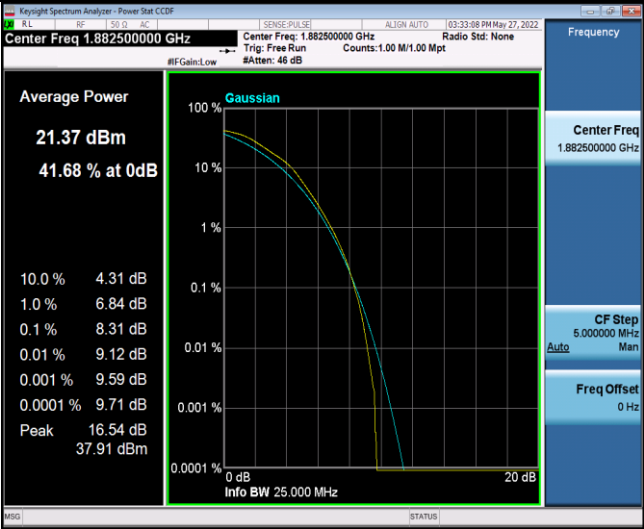
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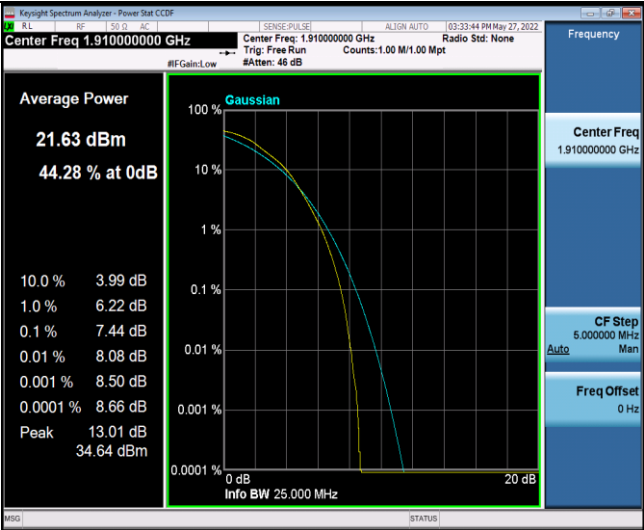
Band25-10MHz-16QAM-26090-50RB#0



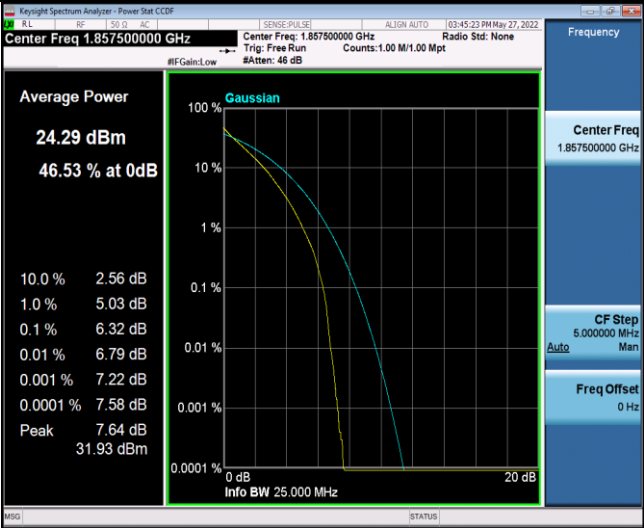
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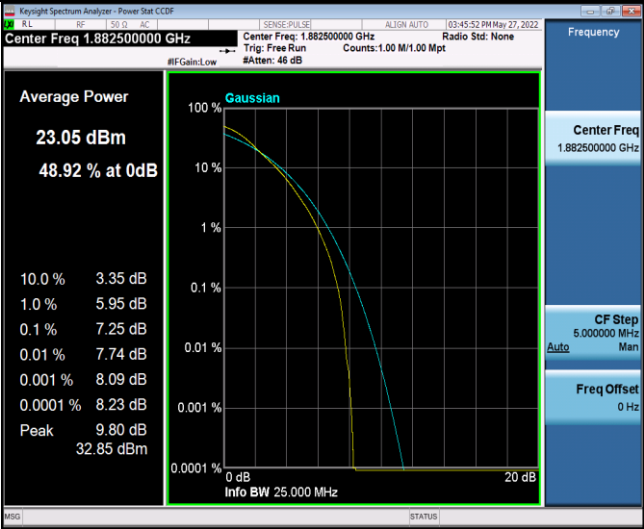
Band25-10MHz-16QAM-26640-50RB#0



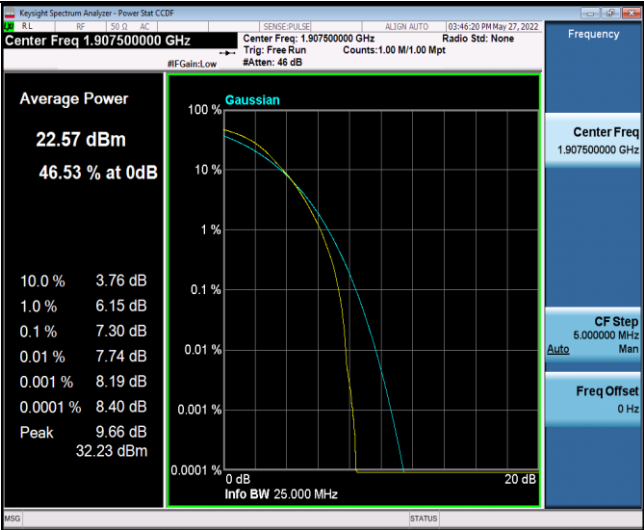
Band25-15MHz-QPSK-26115-75RB#0



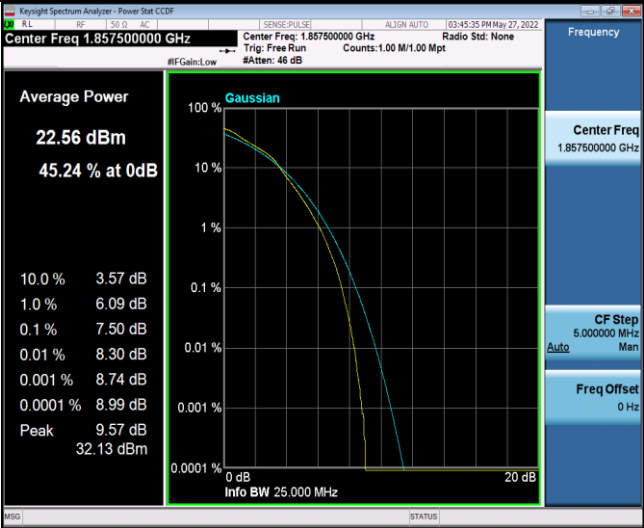
Band25-15MHz-QPSK-26365-75RB#0



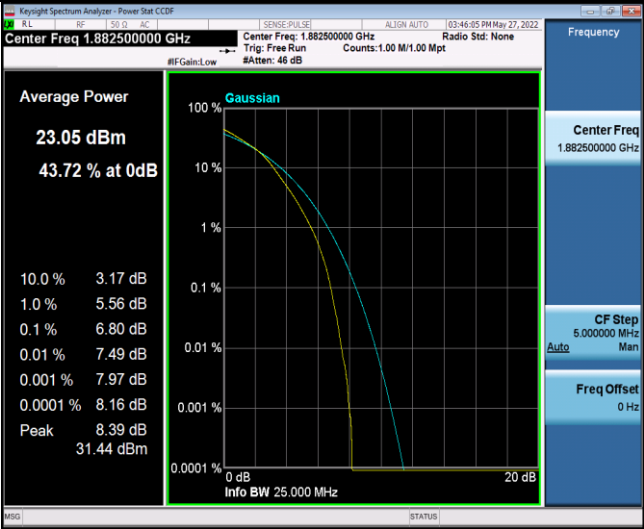
Band25-15MHz-QPSK-26615-75RB#0



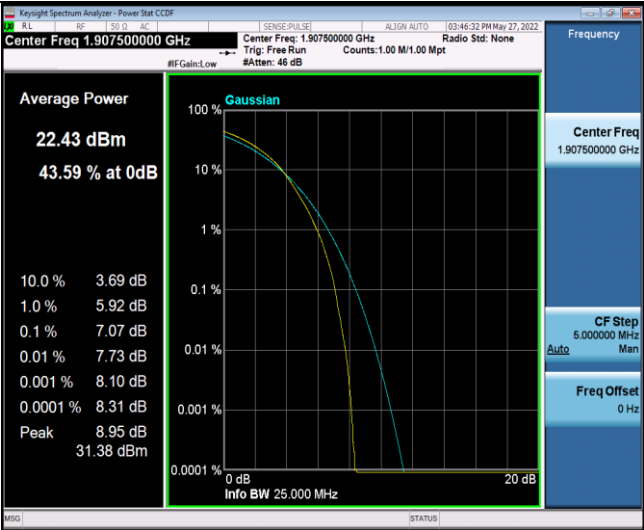
Band25-15MHz-16QAM-26115-75RB#0



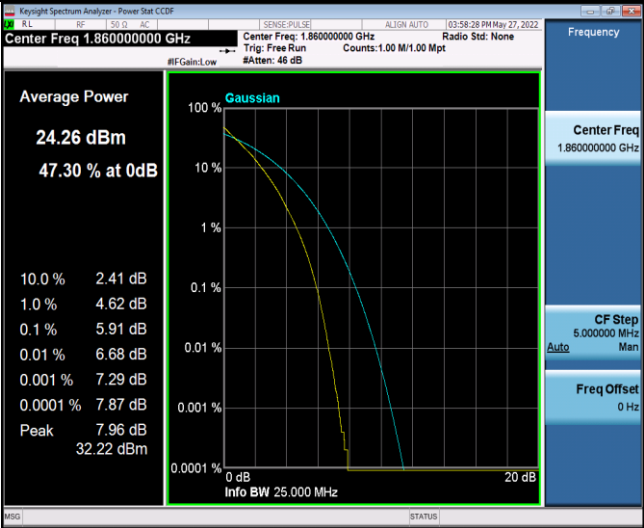
Band25-15MHz-16QAM-26365-75RB#0



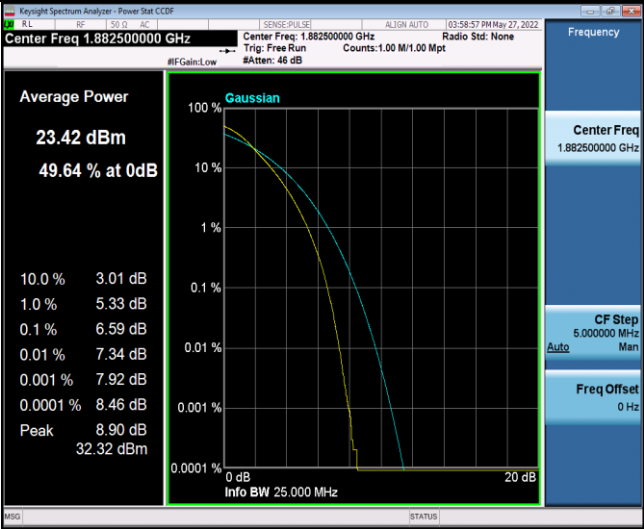
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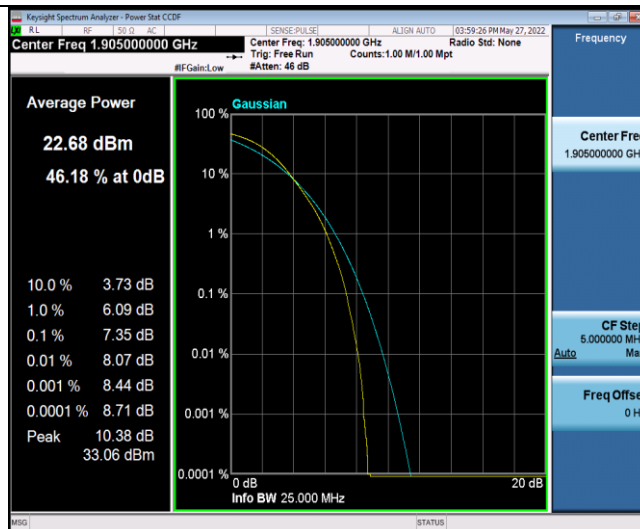
Band25-20MHz-QPSK-26140-100RB#0



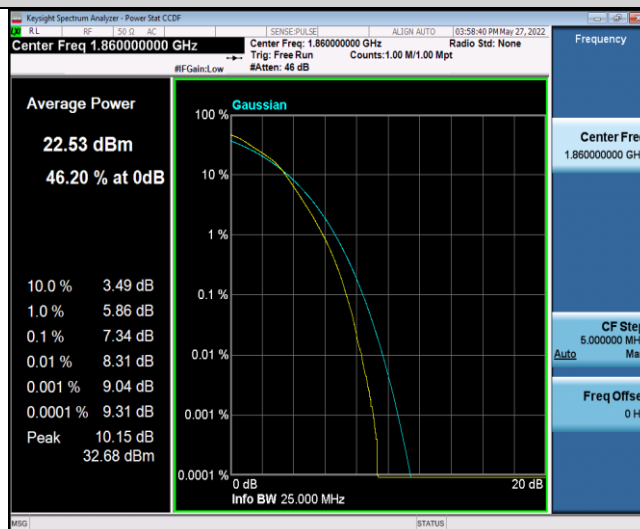
Band25-20MHz-QPSK-26365-100RB#0



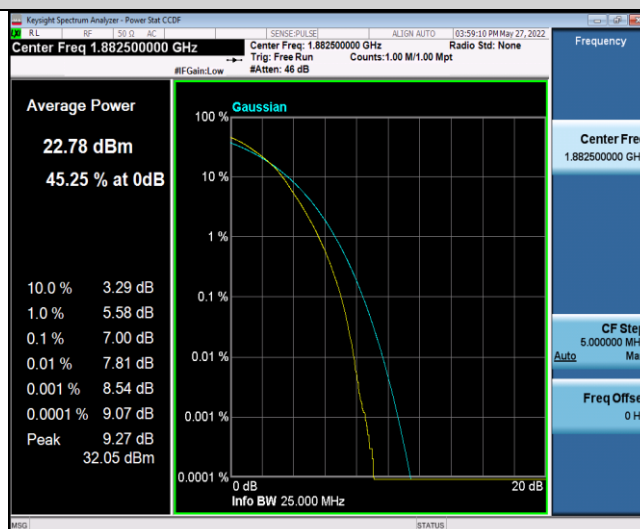
Band25-20MHz-QPSK-26590-100RB#0



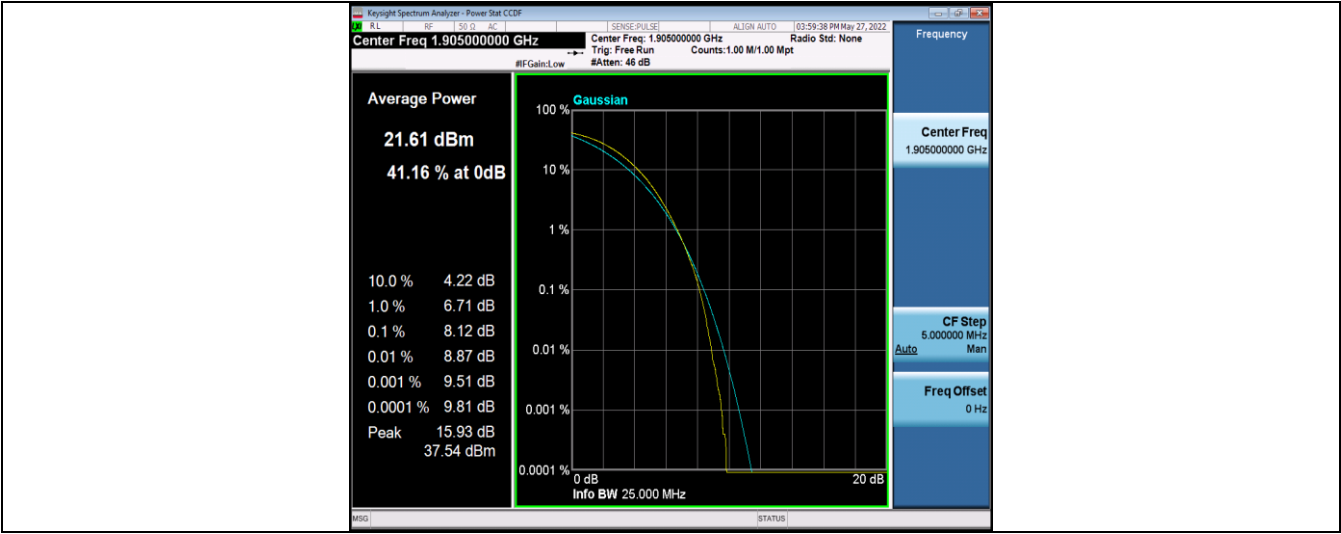
Band25-20MHz-16QAM-26140-100RB#0



Band25-20MHz-16QAM-26365-100RB#0



Band25-20MHz-16QAM-26590-100RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

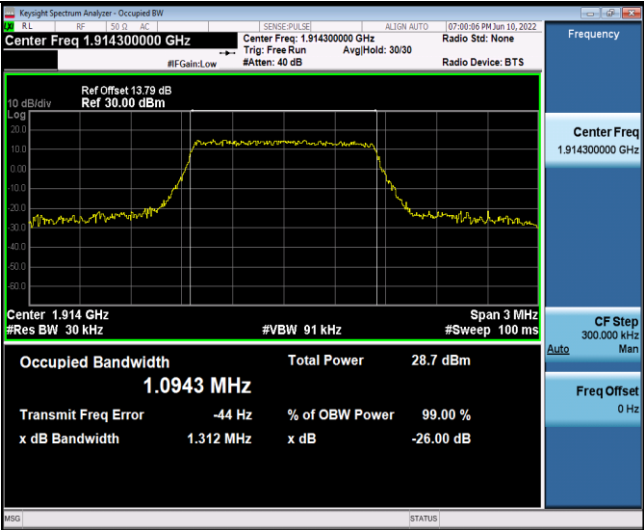
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0938	1.287	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0957	1.284	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0943	1.312	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0955	1.283	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0964	1.279	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0900	1.283	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6879	2.904	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.6918	2.903	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6849	2.906	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6875	2.912	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6795	2.890	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6801	2.895	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.5312	5.187	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.5338	5.196	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5060	5.161	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.5116	5.158	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.5145	5.181	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.5294	5.194	PASS
Band25	10MHz	QPSK	26090	50RB#0	9.0085	10.21	PASS
Band25	10MHz	QPSK	26365	50RB#0	9.0237	10.19	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9409	9.969	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.9993	10.12	PASS
Band25	10MHz	16QAM	26365	50RB#0	9.0084	10.13	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9666	9.933	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.500	15.17	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.560	15.17	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.459	14.97	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.466	15.04	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.515	15.05	PASS

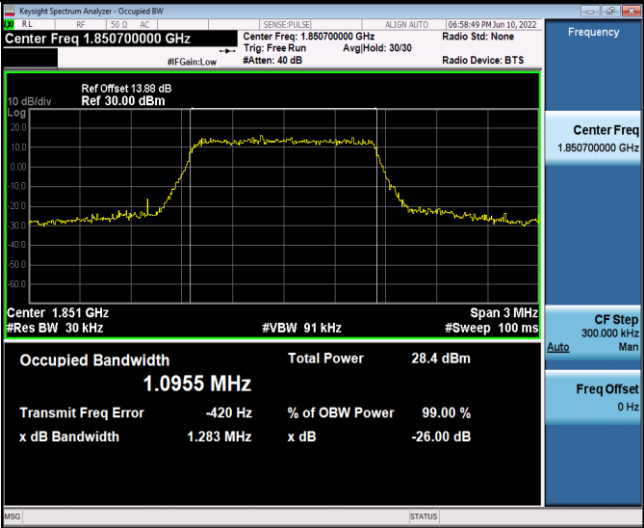
Band25	15MHz	16QAM	26615	75RB#0	13.456	14.96	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.950	19.73	PASS
Band25	20MHz	QPSK	26365	100RB#0	18.004	19.94	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.953	19.55	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.976	19.57	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.991	19.78	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.944	19.62	PASS

Test Graphs

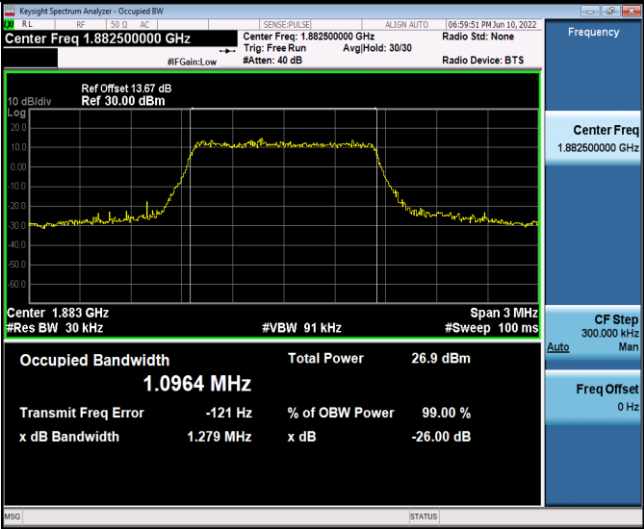




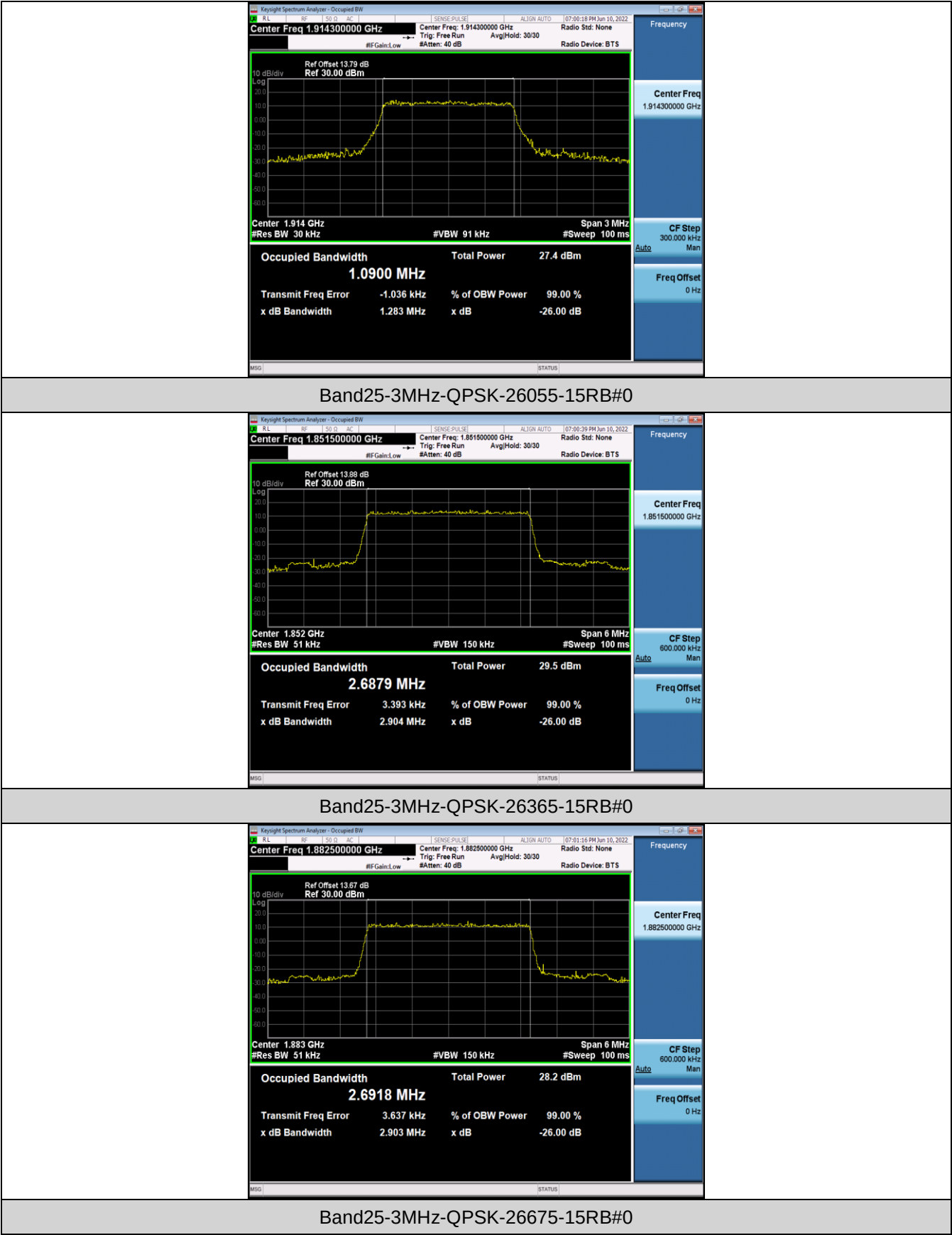
Band25-1.4MHz-16QAM-26047-6RB#0

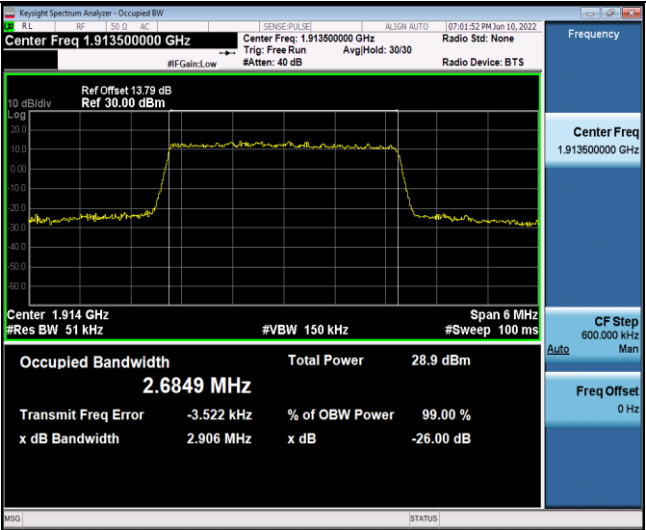


Band25-1.4MHz-16QAM-26365-6RB#0

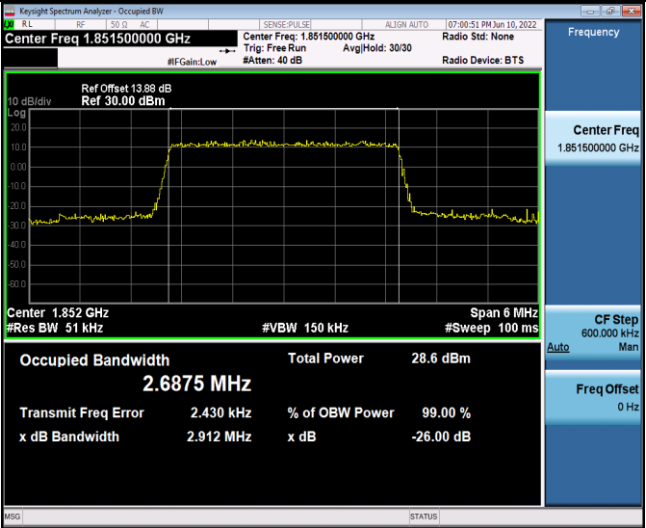


Band25-1.4MHz-16QAM-26683-6RB#0

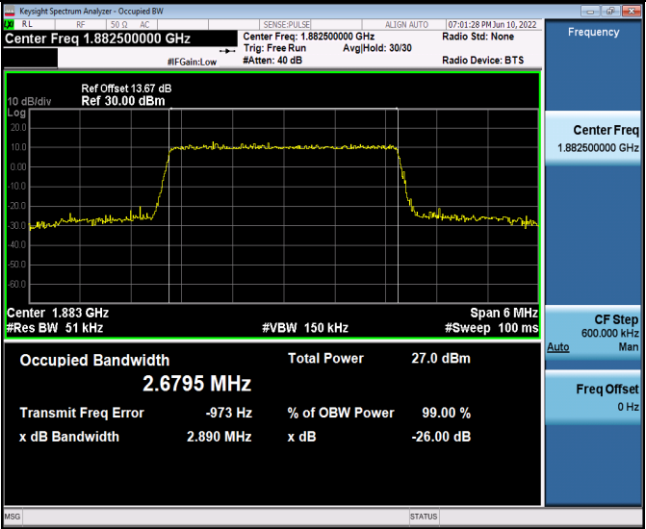




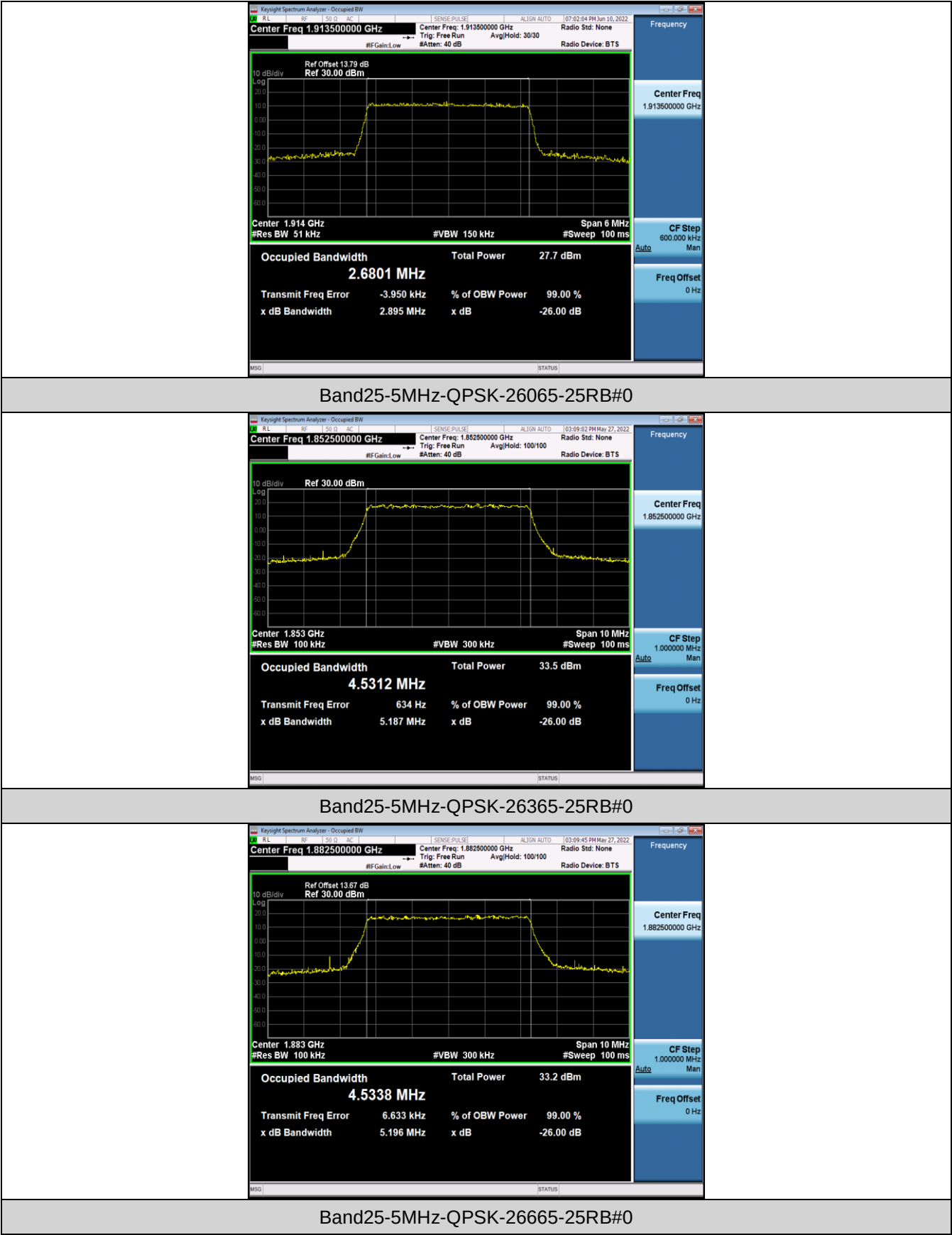
Band25-3MHz-16QAM-26055-15RB#0

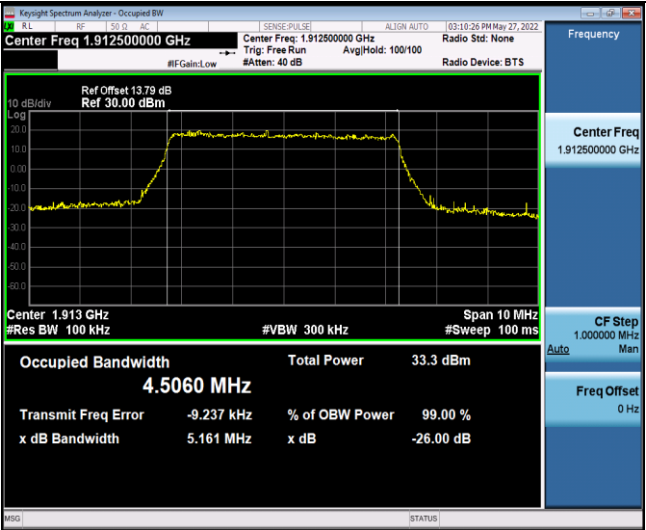


Band25-3MHz-16QAM-26365-15RB#0

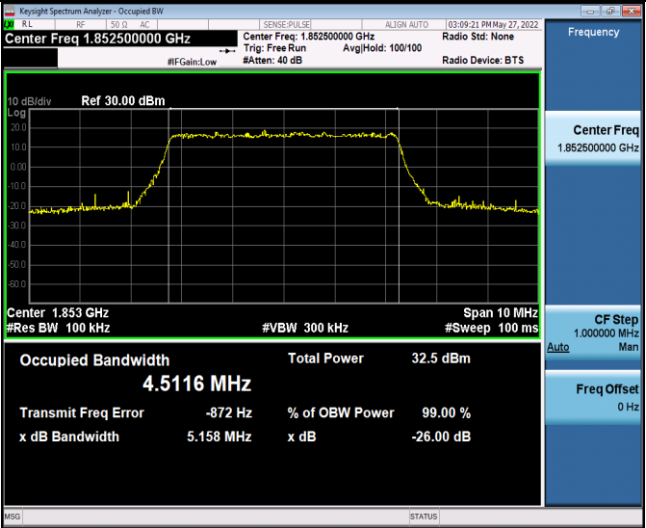


Band25-3MHz-16QAM-26675-15RB#0

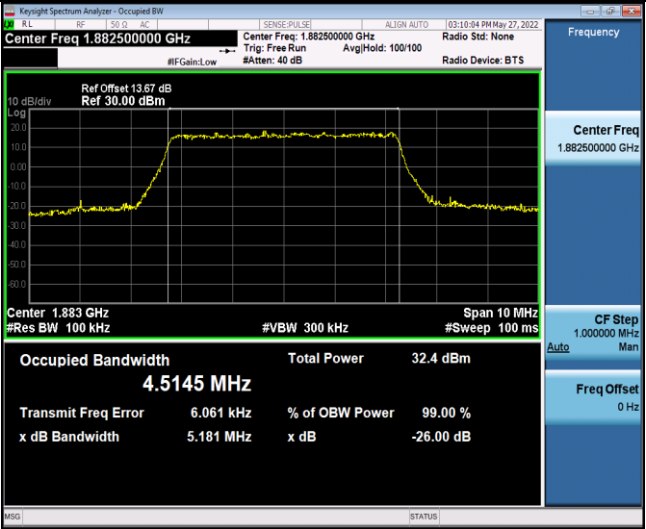




Band25-5MHz-16QAM-26065-25RB#0



Band25-5MHz-16QAM-26365-25RB#0



Band25-5MHz-16QAM-26665-25RB#0

