



Appendix L: Test Data for E-UTRA Band 41

Product Name: Smartphone

Test Model: NS65

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.12	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.29	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.20	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.32	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.02	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.16	PASS
Band41	5MHz	QPSK	39675	12RB#0	23.36	PASS
Band41	5MHz	16QAM	39675	12RB#0	22.25	PASS
Band41	5MHz	QPSK	39675	12RB#6	23.19	PASS
Band41	5MHz	16QAM	39675	12RB#6	22.22	PASS
Band41	5MHz	QPSK	39675	12RB#13	23.12	PASS
Band41	5MHz	16QAM	39675	12RB#13	22.15	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.22	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.16	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.51	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.81	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.65	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.91	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.44	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.78	PASS
Band41	5MHz	QPSK	40620	12RB#0	23.60	PASS
Band41	5MHz	16QAM	40620	12RB#0	22.59	PASS
Band41	5MHz	QPSK	40620	12RB#6	23.63	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.57	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.55	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.50	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.57	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.61	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.18	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.51	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.34	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.67	PASS
Band41	5MHz	QPSK	41565	1RB#24	24.19	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.53	PASS
Band41	5MHz	QPSK	41565	12RB#0	23.32	PASS
Band41	5MHz	16QAM	41565	12RB#0	22.27	PASS



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Band41	5MHz	QPSK	41565	12RB#6	23.34	PASS
Band41	5MHz	16QAM	41565	12RB#6	22.26	PASS
Band41	5MHz	QPSK	41565	12RB#13	23.28	PASS
Band41	5MHz	16QAM	41565	12RB#13	22.23	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.32	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.33	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.30	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.43	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.42	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.56	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.09	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.23	PASS
Band41	10MHz	QPSK	39700	25RB#0	23.26	PASS
Band41	10MHz	16QAM	39700	25RB#0	22.29	PASS
Band41	10MHz	QPSK	39700	25RB#12	23.31	PASS
Band41	10MHz	16QAM	39700	25RB#12	22.33	PASS
Band41	10MHz	QPSK	39700	25RB#25	23.11	PASS
Band41	10MHz	16QAM	39700	25RB#25	22.18	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.16	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.18	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.62	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.79	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.89	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.01	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.58	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.75	PASS
Band41	10MHz	QPSK	40620	25RB#0	23.67	PASS
Band41	10MHz	16QAM	40620	25RB#0	22.75	PASS
Band41	10MHz	QPSK	40620	25RB#12	23.70	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.76	PASS
Band41	10MHz	QPSK	40620	25RB#25	23.62	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.68	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.70	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.67	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.18	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.40	PASS
Band41	10MHz	QPSK	41540	1RB#24	24.59	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.74	PASS
Band41	10MHz	QPSK	41540	1RB#49	24.35	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.52	PASS



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Band41	10MHz	QPSK	41540	25RB#0	23.36	PASS
Band41	10MHz	16QAM	41540	25RB#0	22.41	PASS
Band41	10MHz	QPSK	41540	25RB#12	23.37	PASS
Band41	10MHz	16QAM	41540	25RB#12	22.39	PASS
Band41	10MHz	QPSK	41540	25RB#25	23.35	PASS
Band41	10MHz	16QAM	41540	25RB#25	22.44	PASS
Band41	10MHz	QPSK	41540	50RB#0	23.35	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.41	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.19	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.35	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.13	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.26	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.98	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.11	PASS
Band41	15MHz	QPSK	39725	38RB#0	23.15	PASS
Band41	15MHz	16QAM	39725	38RB#0	23.16	PASS
Band41	15MHz	QPSK	39725	38RB#18	23.18	PASS
Band41	15MHz	16QAM	39725	38RB#18	23.19	PASS
Band41	15MHz	QPSK	39725	38RB#37	23.15	PASS
Band41	15MHz	16QAM	39725	38RB#37	23.16	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.15	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.13	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.50	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.70	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.62	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.78	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.41	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.63	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.64	PASS
Band41	15MHz	16QAM	40620	38RB#0	23.65	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.66	PASS
Band41	15MHz	16QAM	40620	38RB#18	23.66	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.68	PASS
Band41	15MHz	16QAM	40620	38RB#37	23.64	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.65	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.67	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.84	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.03	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.26	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.42	PASS



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Band41	15MHz	QPSK	41515	1RB#74	24.24	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.40	PASS
Band41	15MHz	QPSK	41515	38RB#0	23.22	PASS
Band41	15MHz	16QAM	41515	38RB#0	23.21	PASS
Band41	15MHz	QPSK	41515	38RB#18	23.25	PASS
Band41	15MHz	16QAM	41515	38RB#18	23.25	PASS
Band41	15MHz	QPSK	41515	38RB#37	23.23	PASS
Band41	15MHz	16QAM	41515	38RB#37	23.25	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.18	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.20	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.07	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.07	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.24	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.24	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.94	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.95	PASS
Band41	20MHz	QPSK	39750	50RB#0	23.13	PASS
Band41	20MHz	16QAM	39750	50RB#0	22.18	PASS
Band41	20MHz	QPSK	39750	50RB#25	23.14	PASS
Band41	20MHz	16QAM	39750	50RB#25	22.17	PASS
Band41	20MHz	QPSK	39750	50RB#50	23.04	PASS
Band41	20MHz	16QAM	39750	50RB#50	22.06	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.08	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.09	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.33	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.35	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.78	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.77	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.26	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.28	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.57	PASS
Band41	20MHz	16QAM	40620	50RB#0	22.60	PASS
Band41	20MHz	QPSK	40620	50RB#25	23.55	PASS
Band41	20MHz	16QAM	40620	50RB#25	22.61	PASS
Band41	20MHz	QPSK	40620	50RB#50	23.51	PASS
Band41	20MHz	16QAM	40620	50RB#50	22.57	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.55	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.57	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.51	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.55	PASS



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Band41	20MHz	QPSK	41490	1RB#49	24.30	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.29	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.08	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.07	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.85	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.90	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.86	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.90	PASS
Band41	20MHz	QPSK	41490	50RB#50	23.15	PASS
Band41	20MHz	16QAM	41490	50RB#50	22.17	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.02	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.03	PASS





L.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.39	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.88	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.02	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.74	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.39	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.24	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.16	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.89	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.43	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.90	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.27	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.74	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.18	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.25	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.88	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.69	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	7.75	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.05	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.17	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.59	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.30	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.44	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.04	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.08	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.11	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.08	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.47	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.83	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.15	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.19	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.44	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.05	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.63	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.89	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.58	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	10.34	13	PASS



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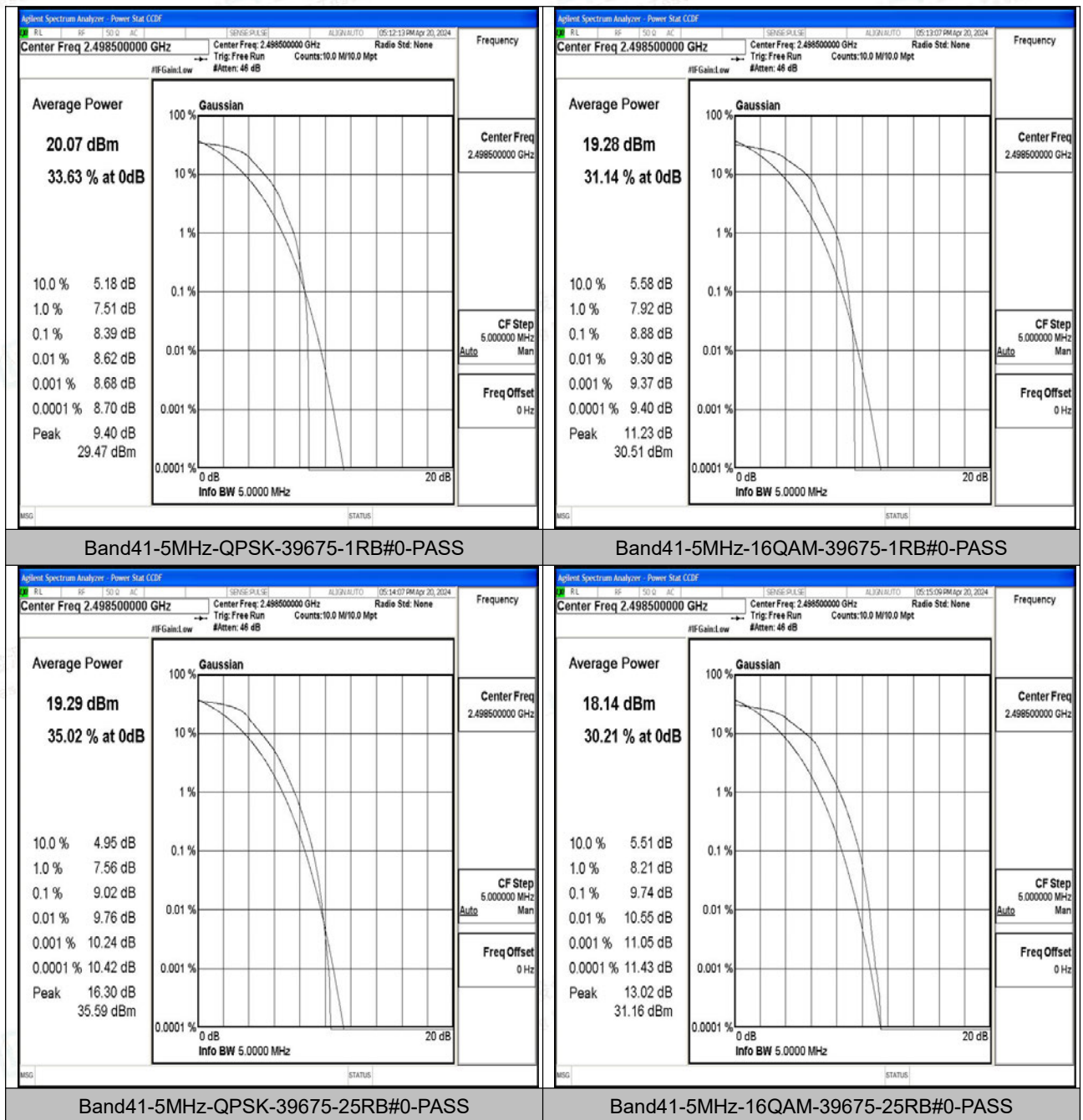


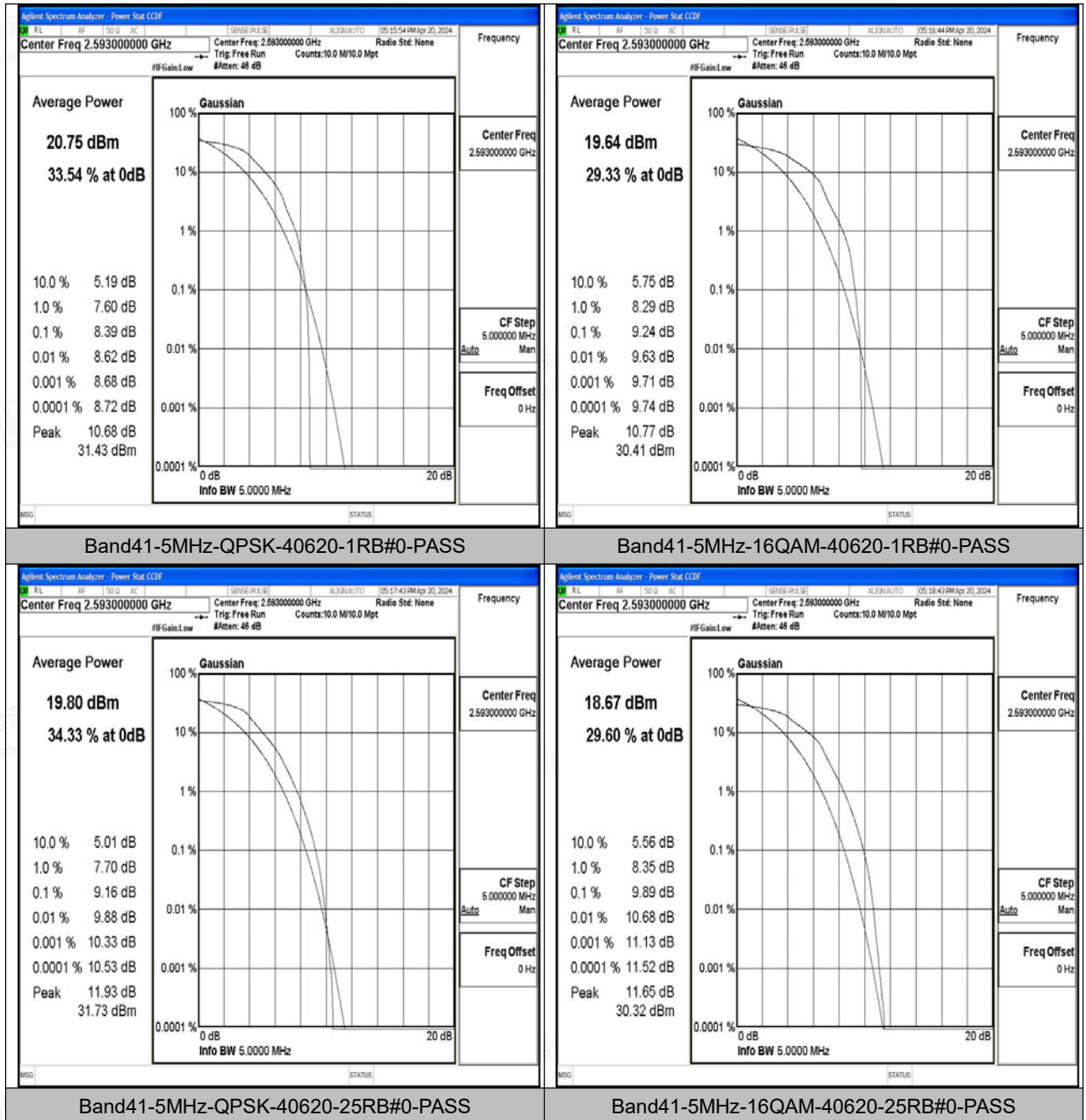
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Band41	20MHz	QPSK	39750	100RB#0	8.71	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.74	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.12	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.88	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.08	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.64	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.09	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.15	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.22	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.92	13	PASS





Test Graphs



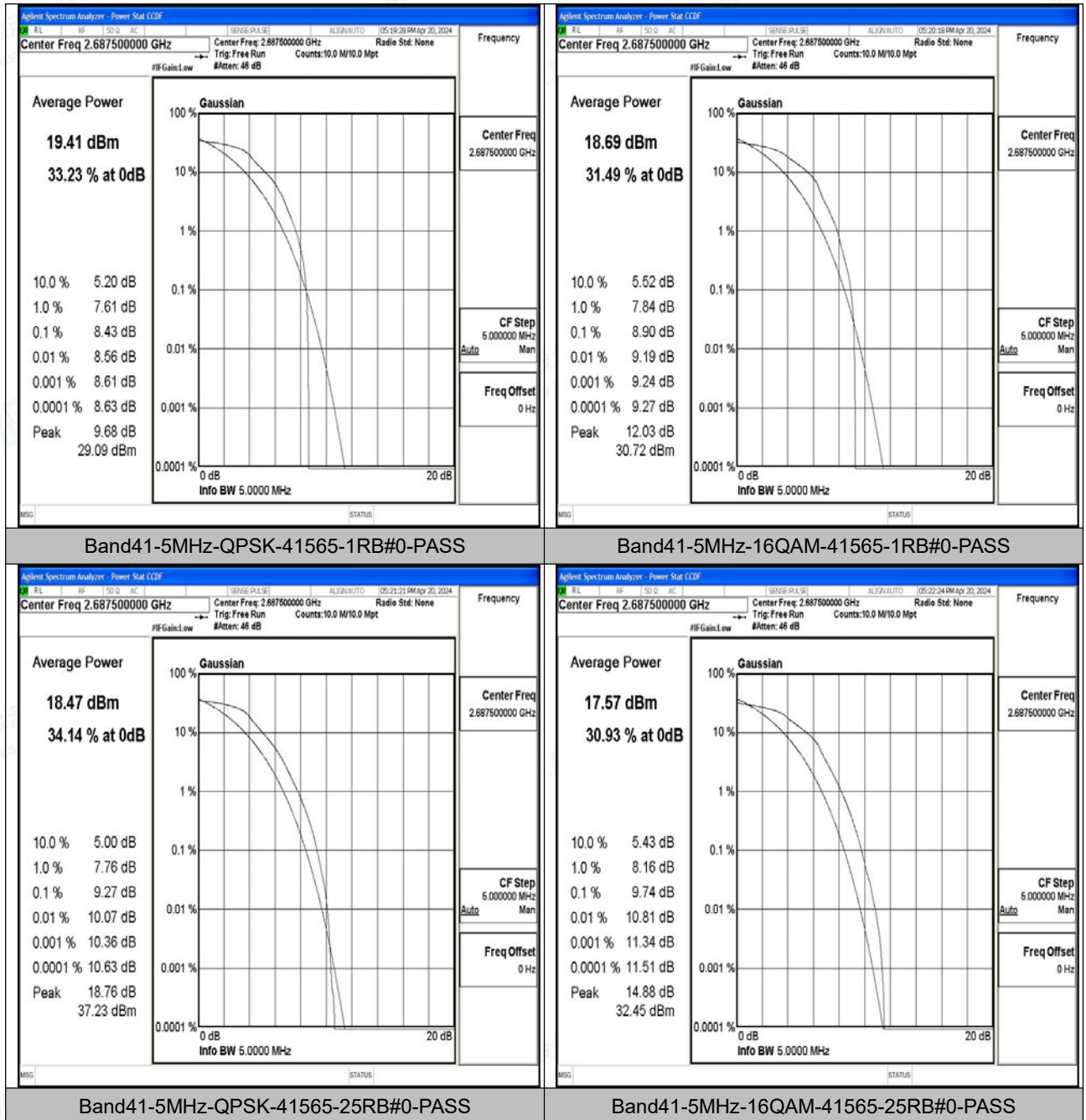


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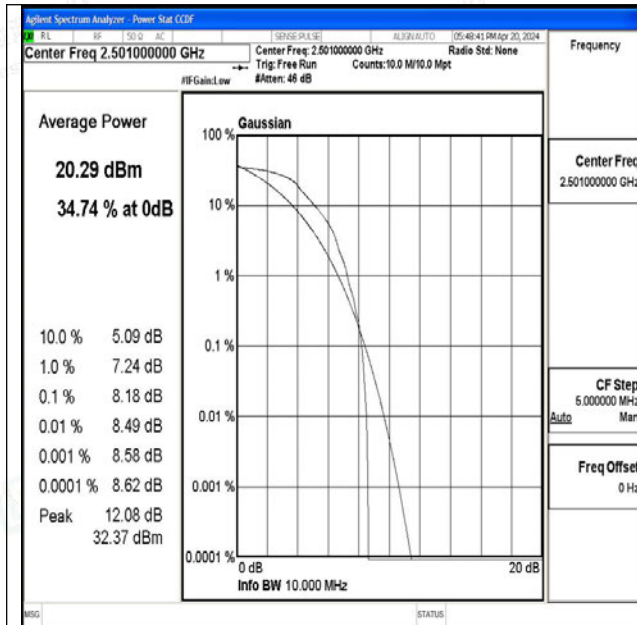


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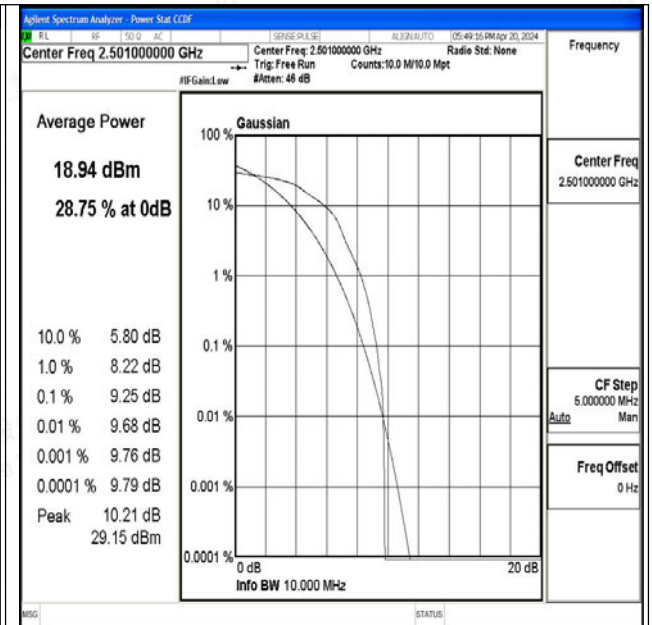
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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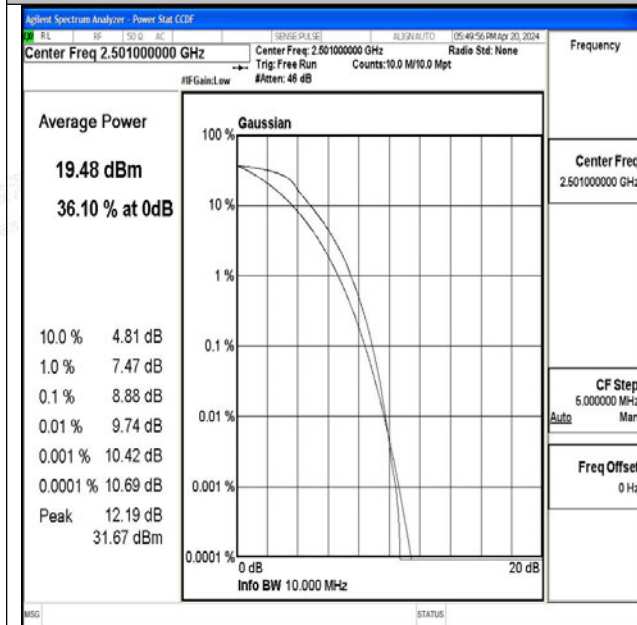
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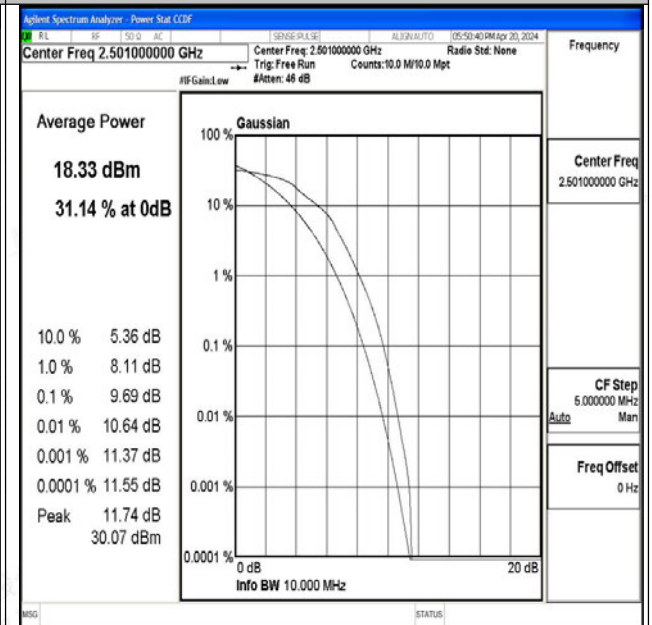
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Band41-10MHz-16QAM-39700-1RB#0-PASS



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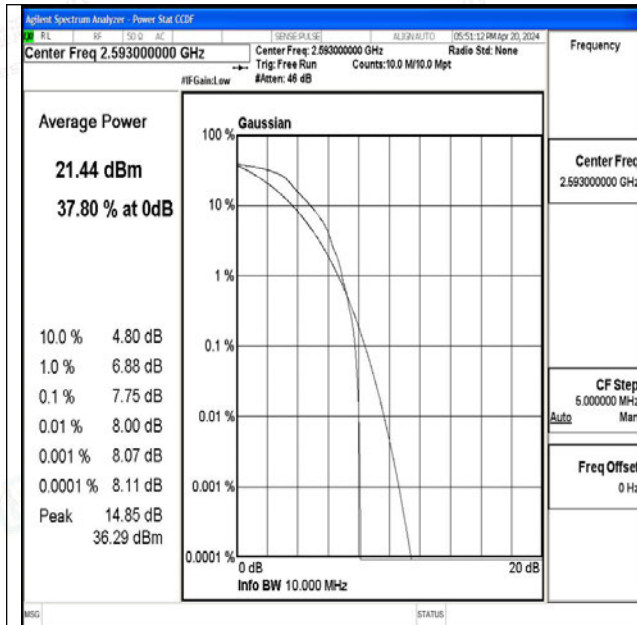


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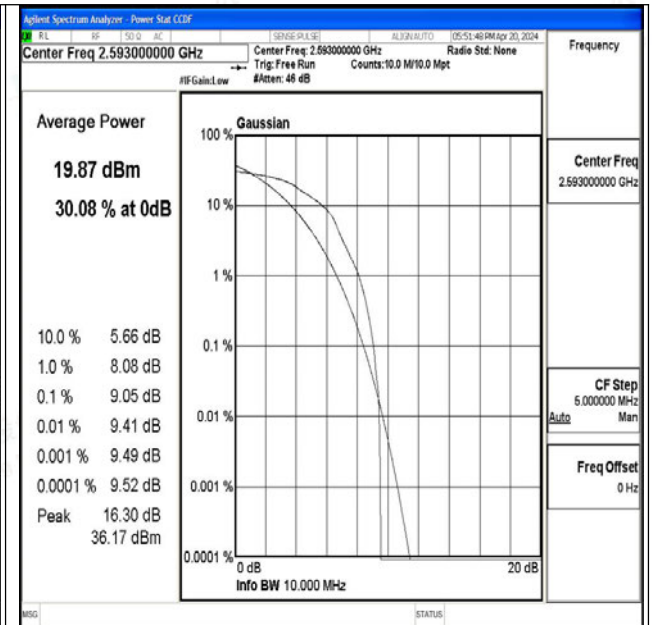
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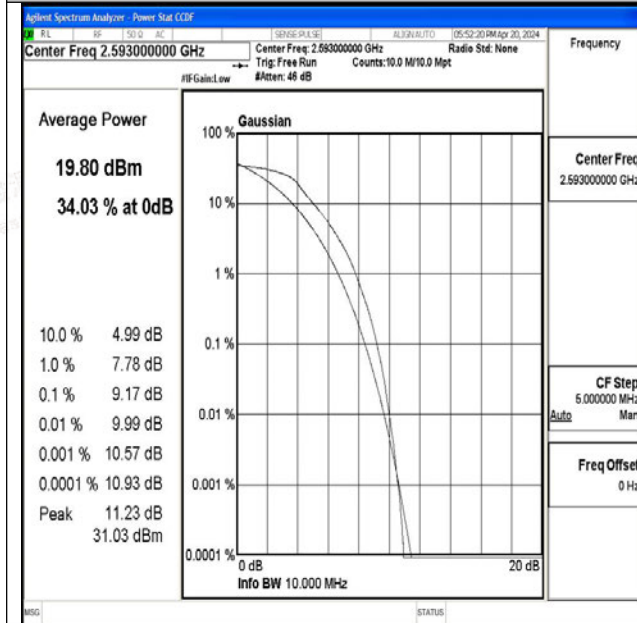
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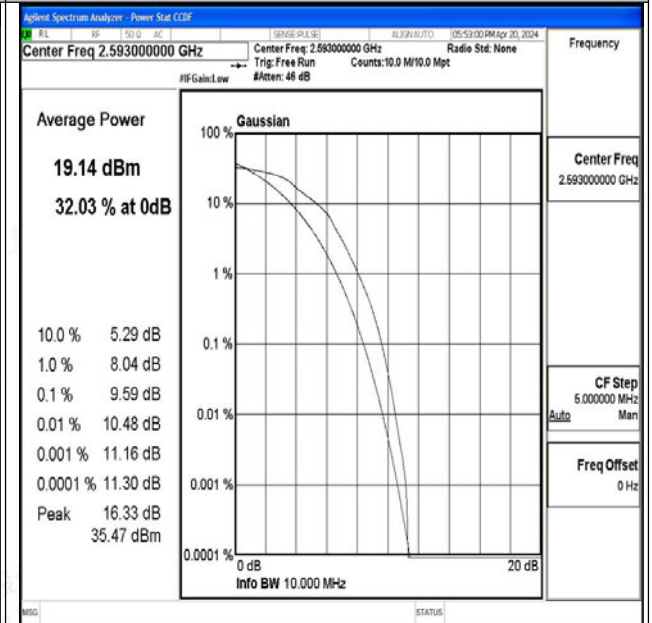
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Band41-10MHz-16QAM-40620-1RB#0-PASS



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Band41-10MHz-16QAM-40620-50RB#0-PASS

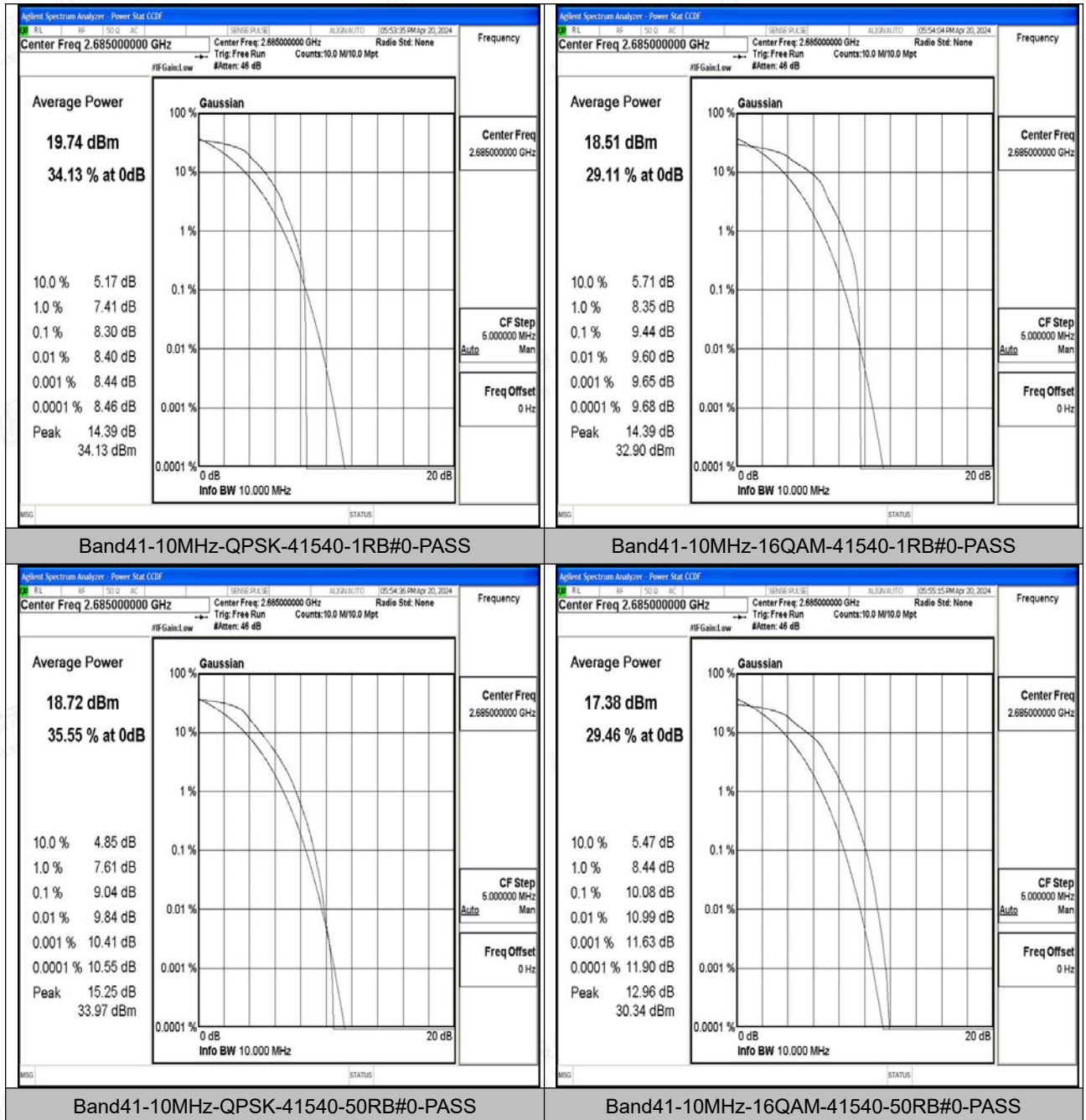


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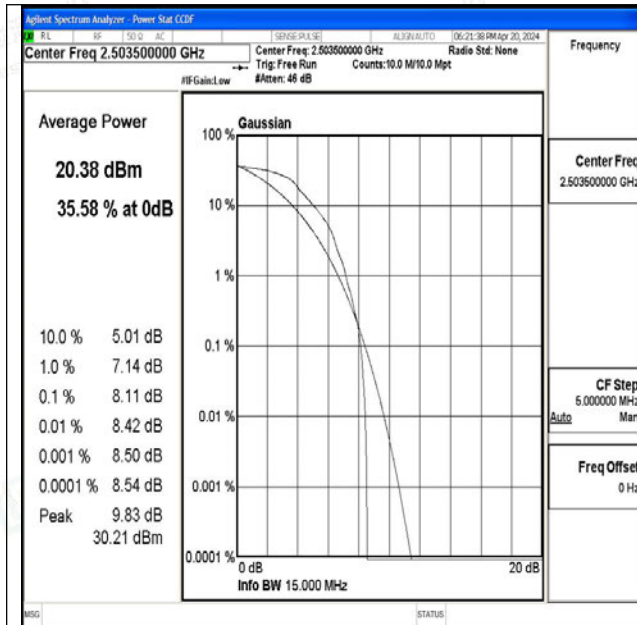


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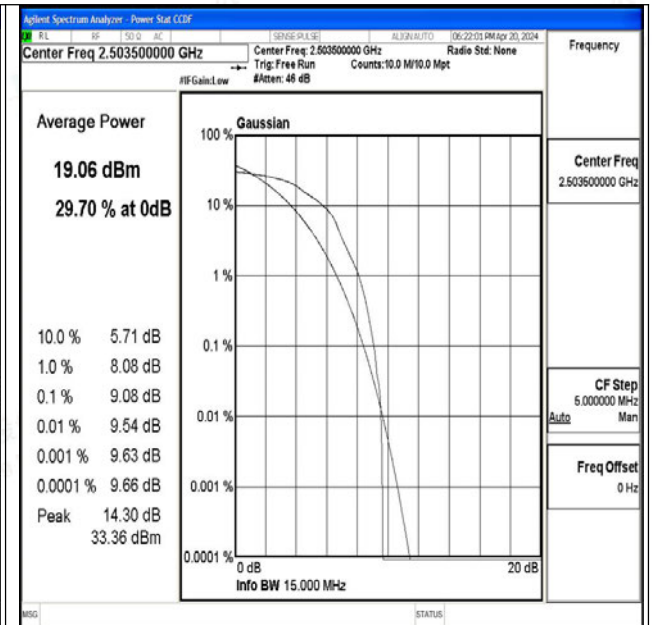
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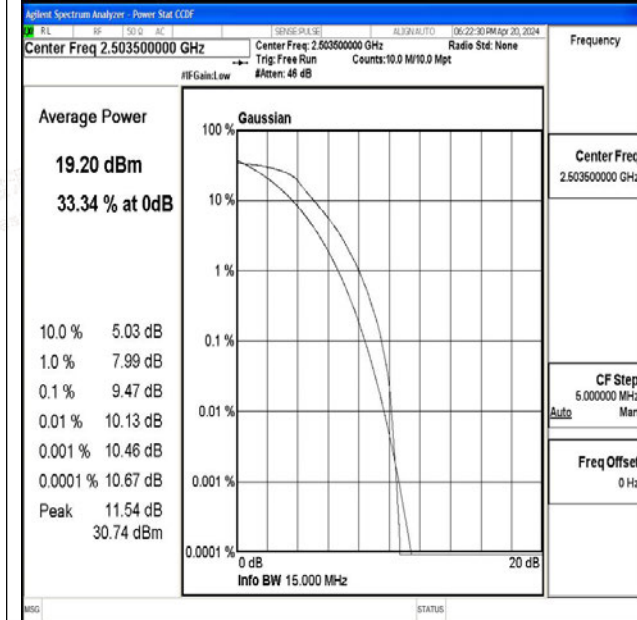
Scan code to check authenticity



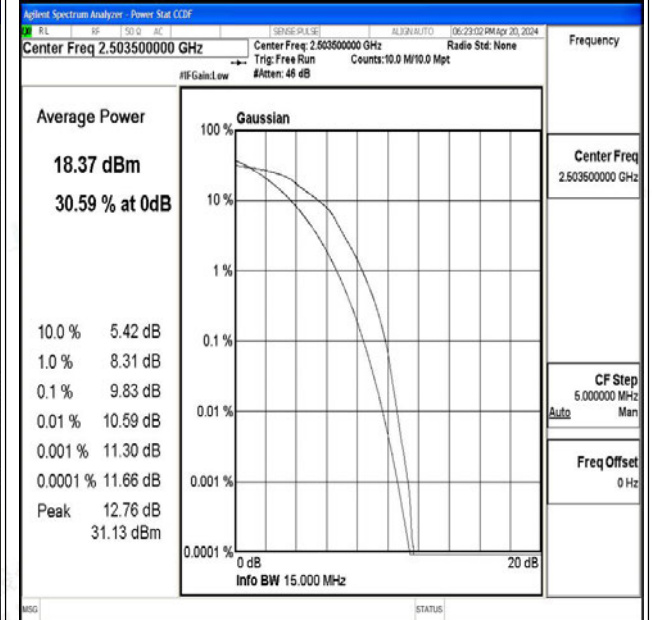
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Band41-15MHz-16QAM-39725-1RB#0-PASS



Band41-15MHz-QPSK-39725-75RB#0-PASS



Band41-15MHz-16QAM-39725-75RB#0-PASS

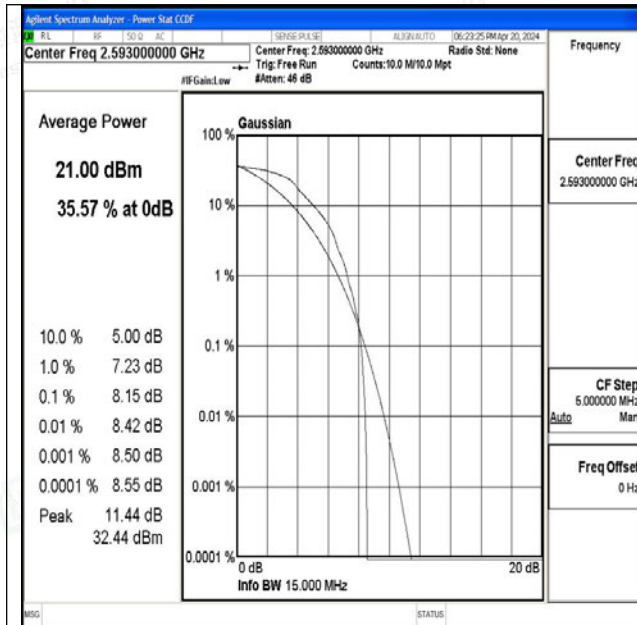


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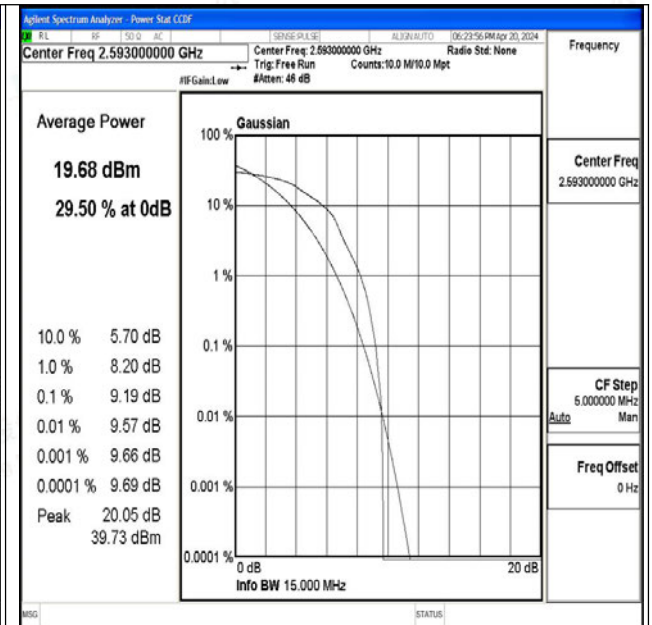
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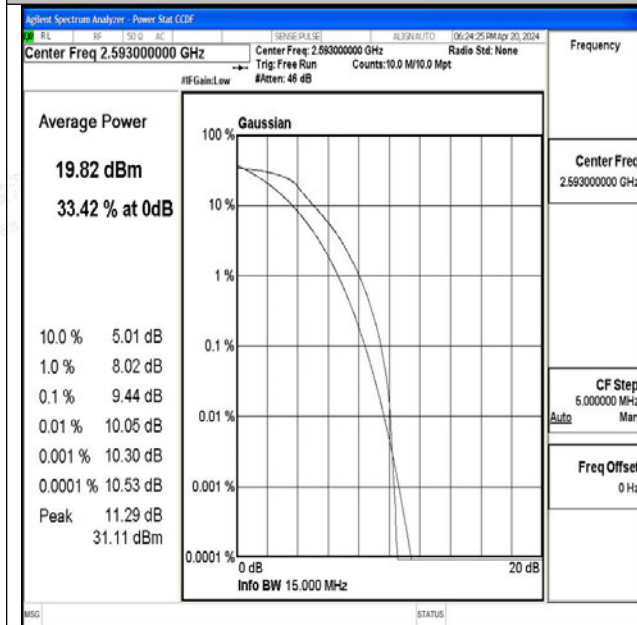
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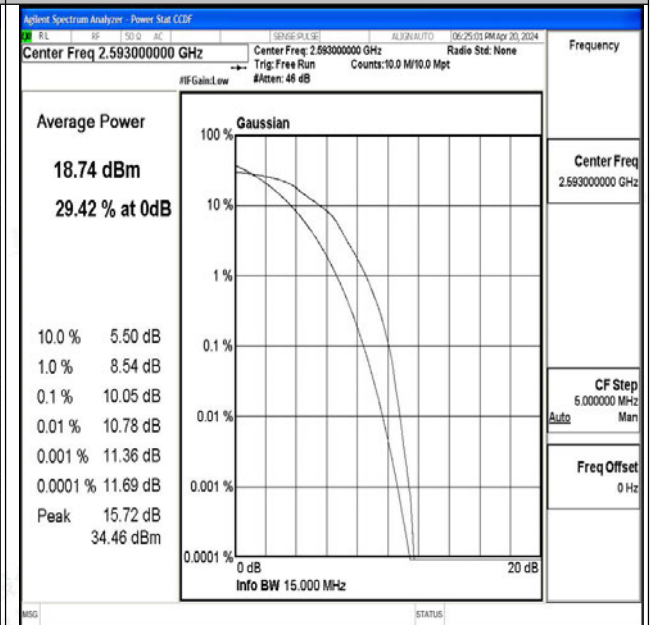
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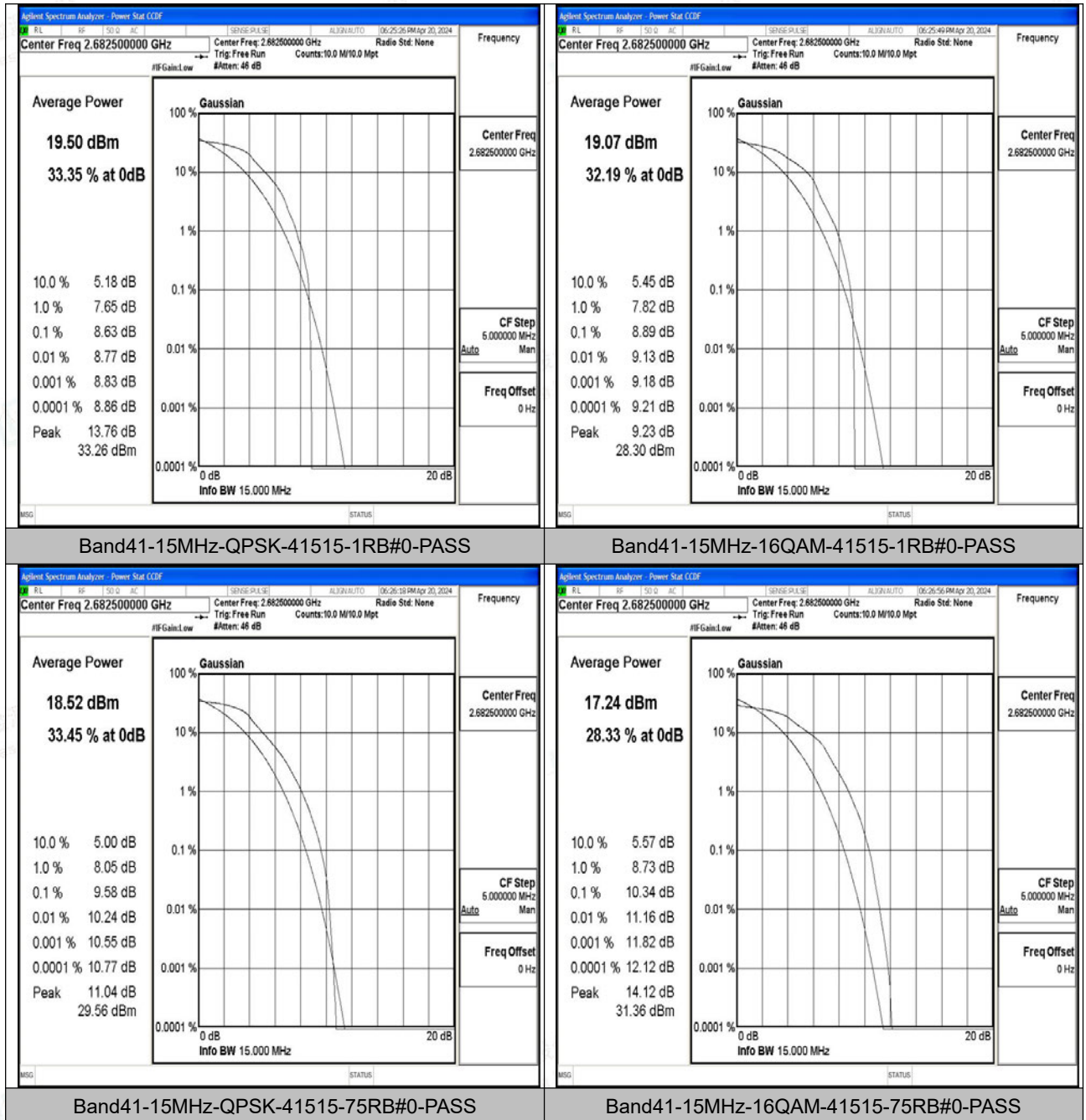


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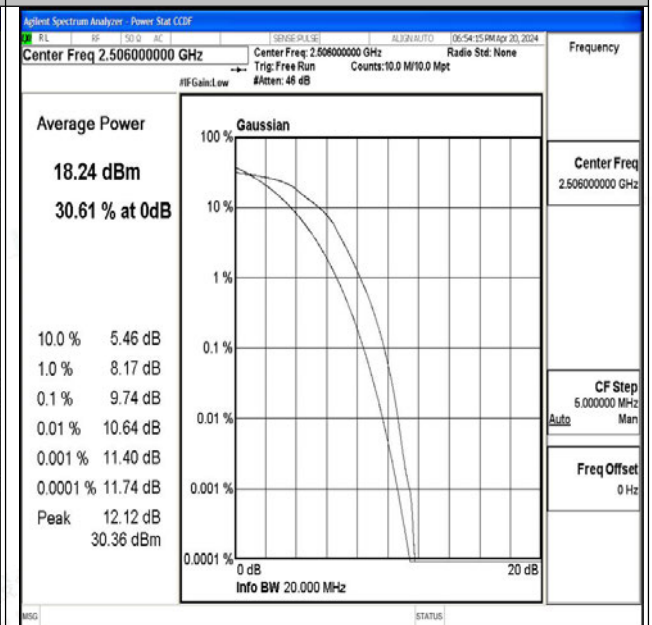
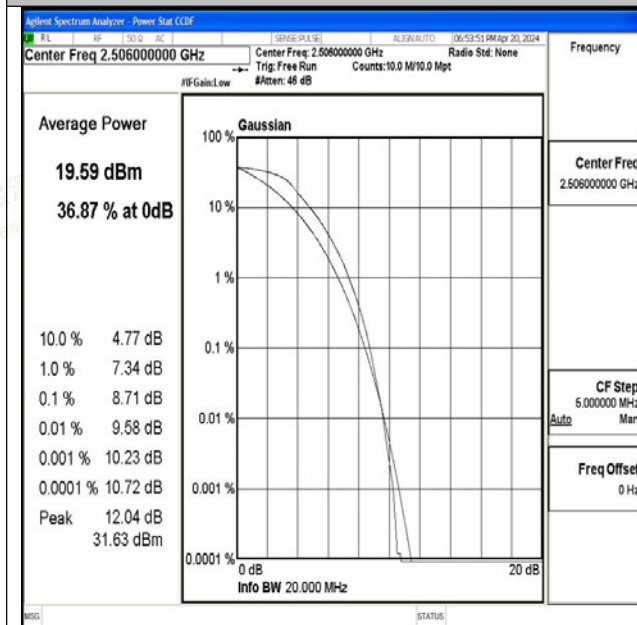
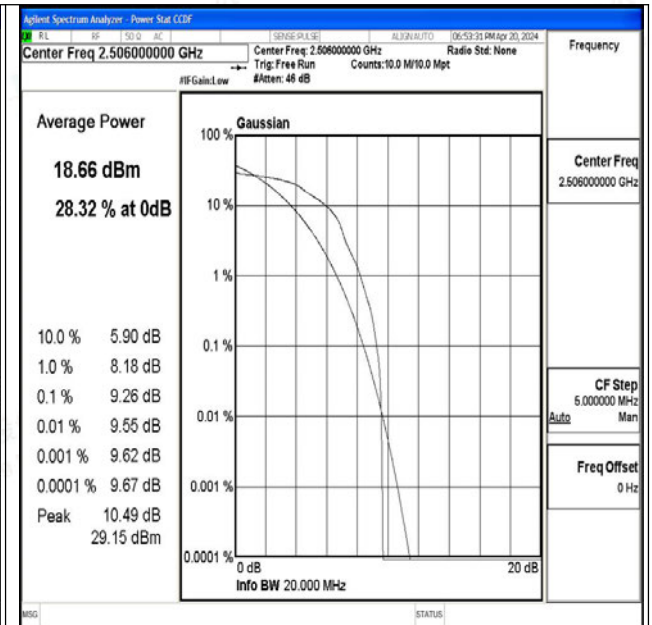
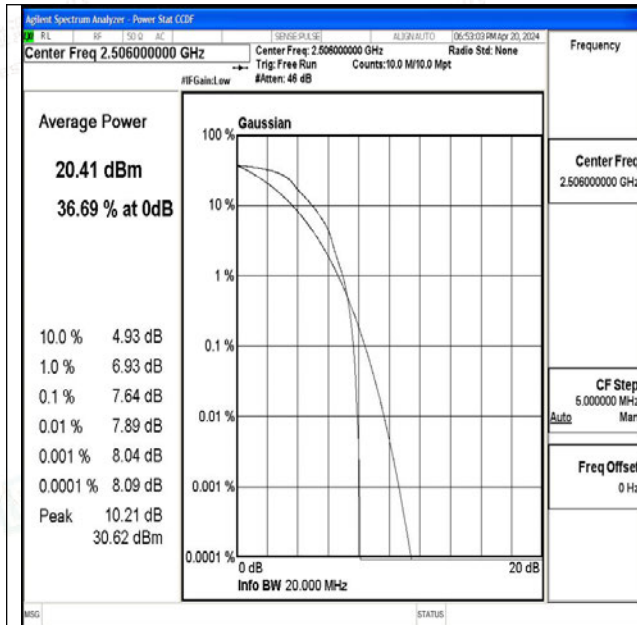


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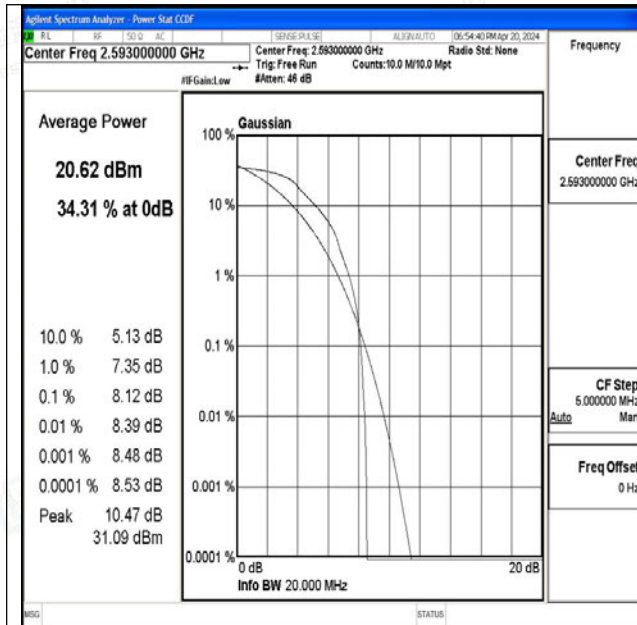


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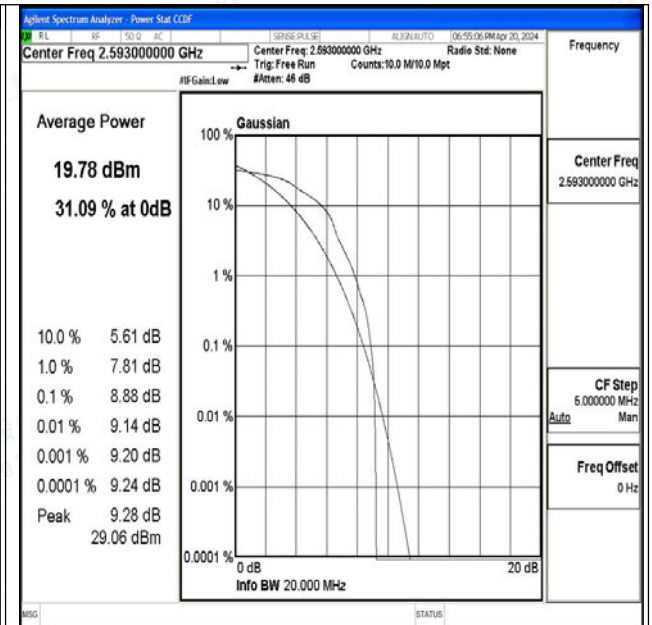
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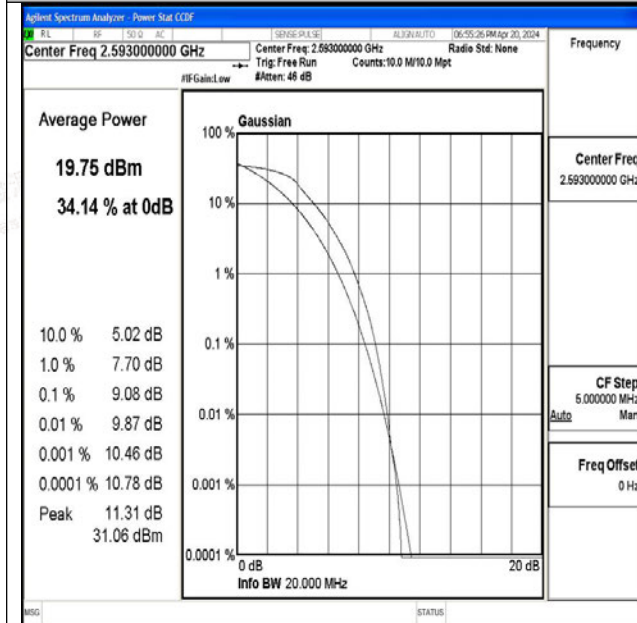
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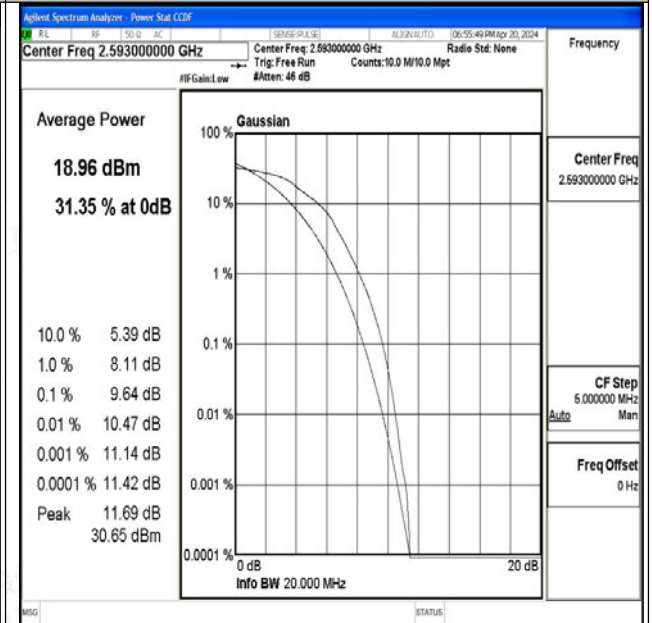
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Band41-20MHz-16QAM-40620-1RB#0-PASS



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Band41-20MHz-16QAM-40620-100RB#0-PASS

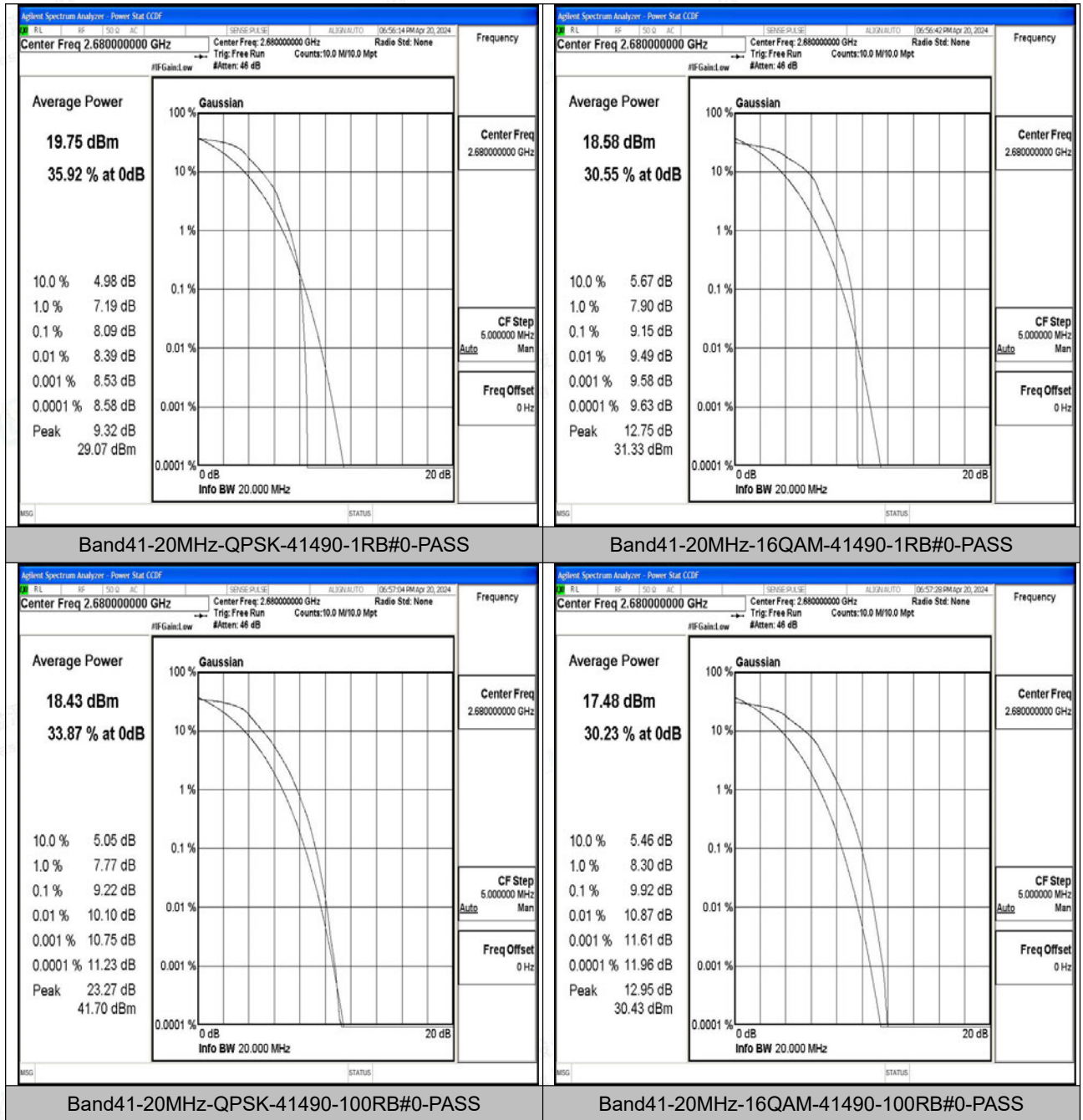


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L.3 26dB Bandwidth and Occupied Bandwidth

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4984	4.954	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4997	5.147	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4996	5.007	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4878	5.282	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4911	5.312	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4891	5.035	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9832	9.828	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9801	9.833	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9707	9.813	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9746	9.857	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0058	10.36	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9888	10.34	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.476	15.85	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.423	15.60	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.451	15.34	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.469	15.67	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.492	15.43	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.447	15.55	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.927	19.58	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.893	20.28	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.964	19.45	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.838	20.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.881	20.23	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.862	19.55	PASS

Test Result



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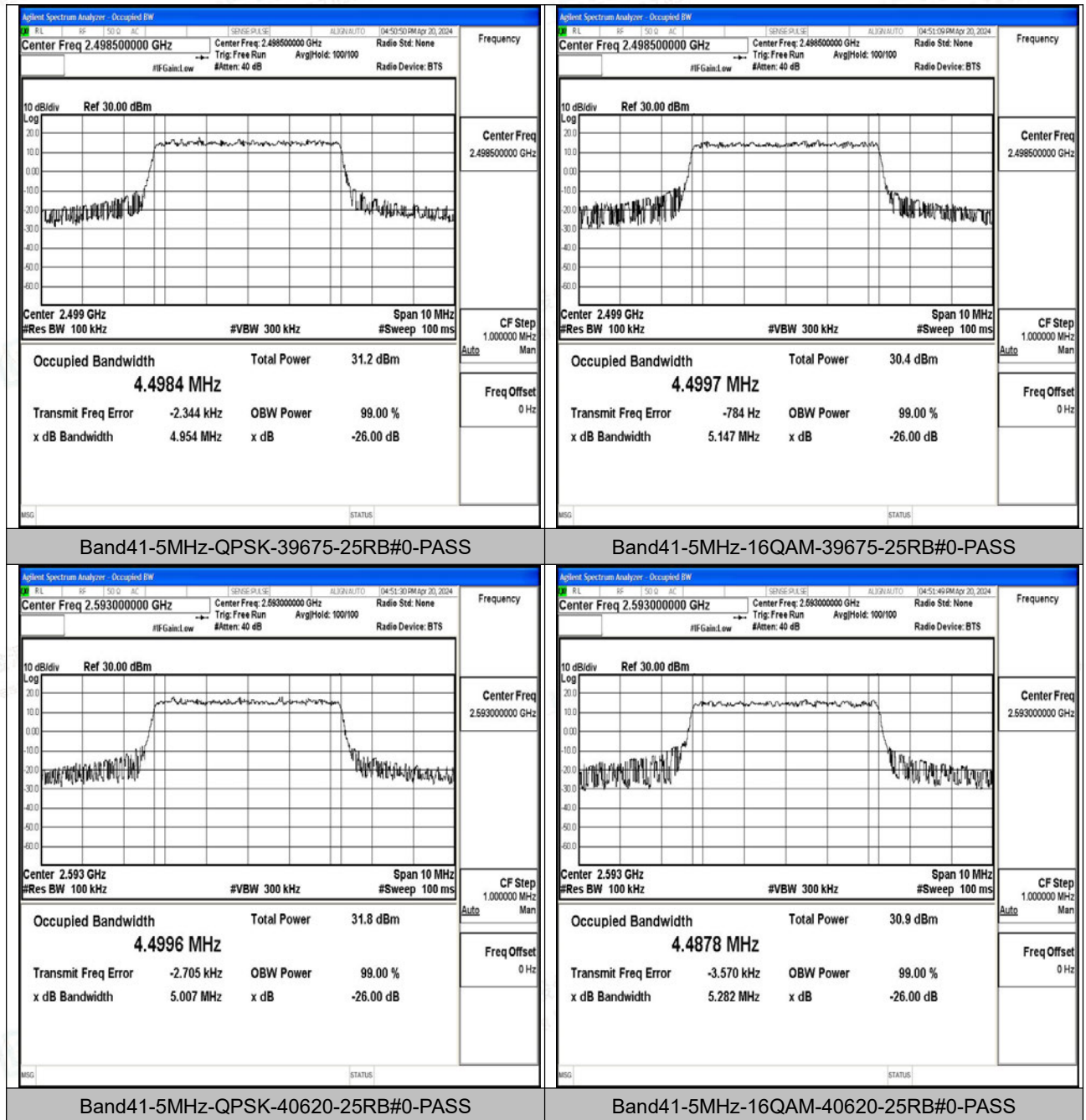
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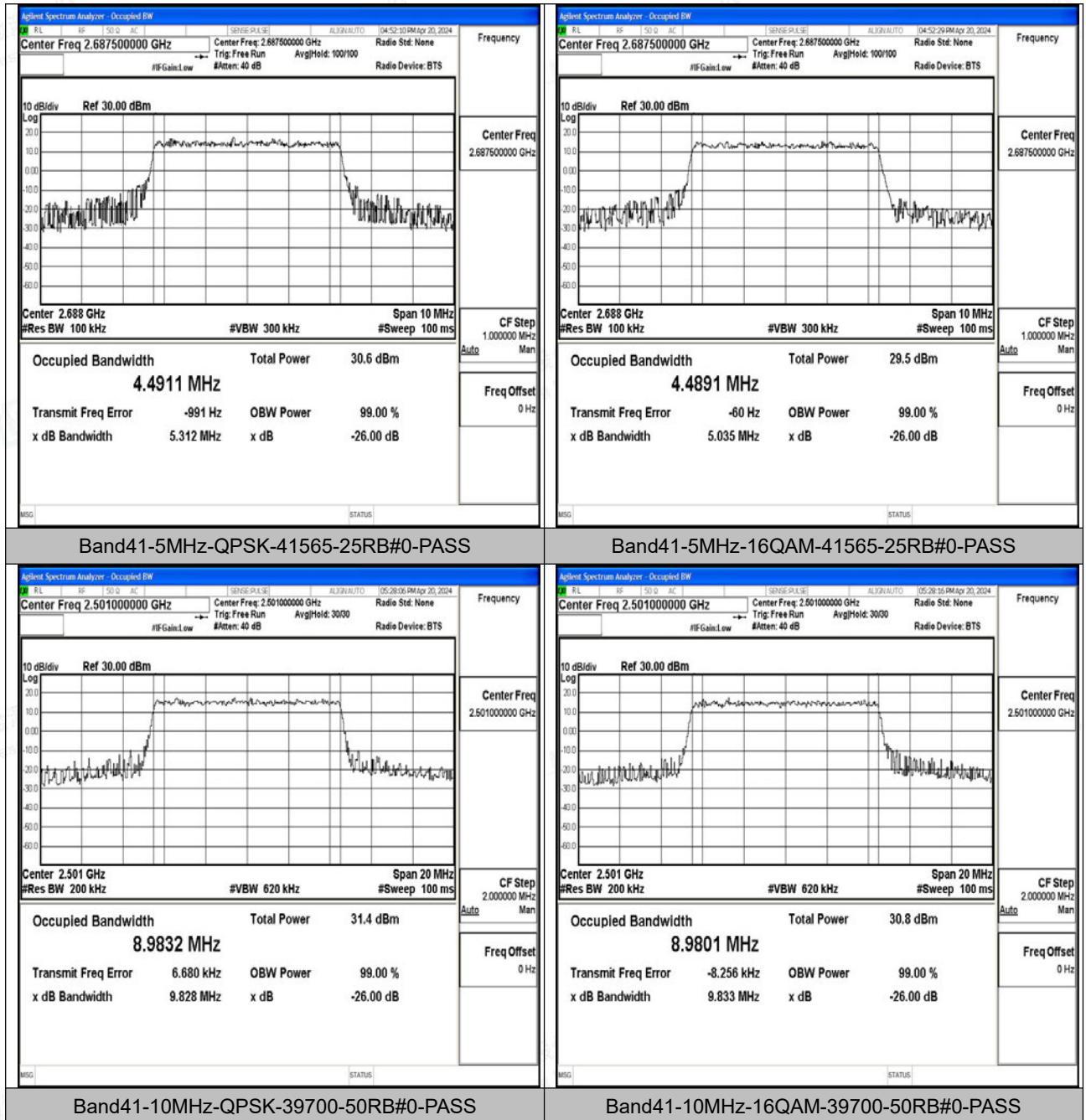
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Test Graphs



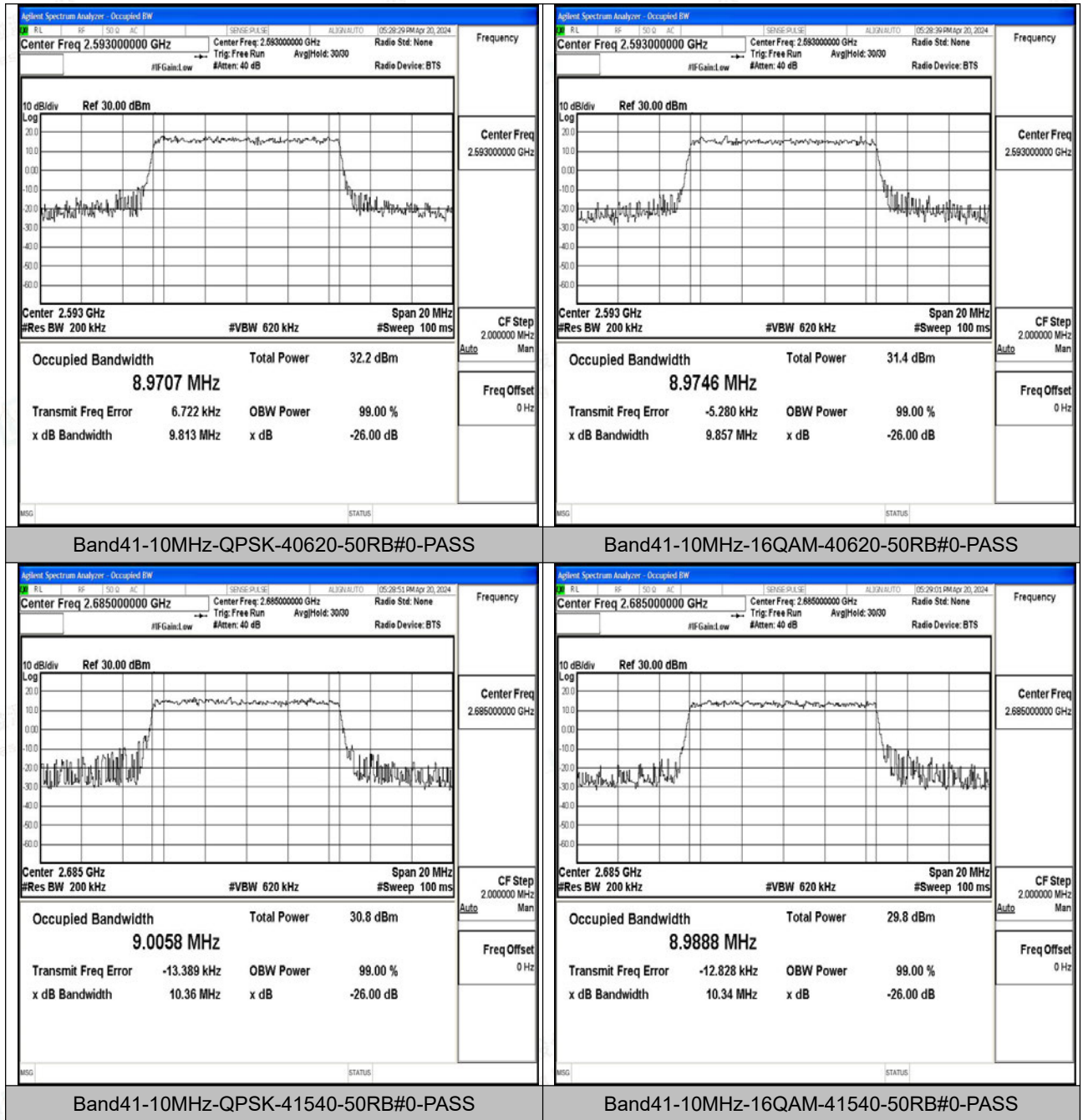


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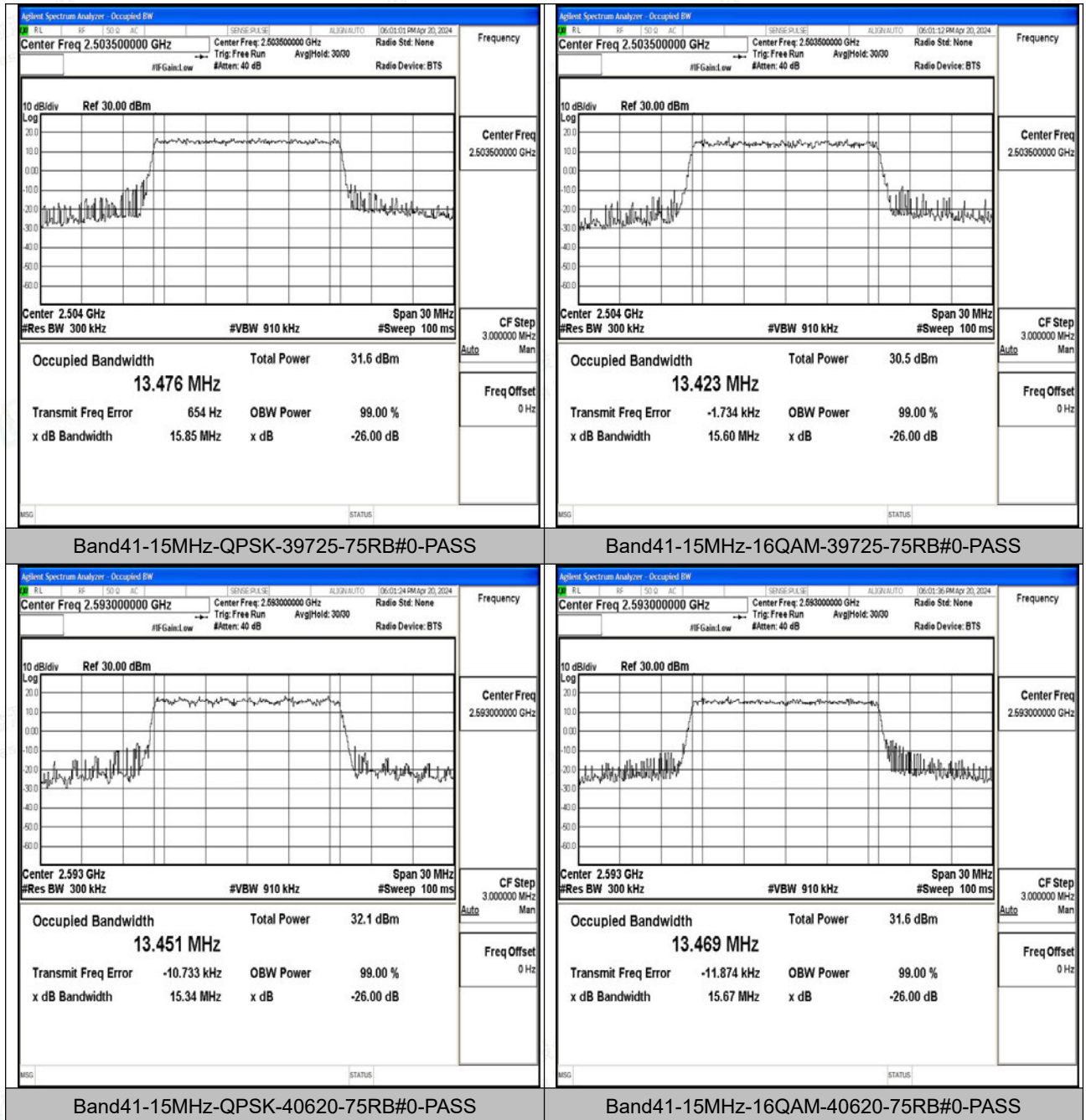


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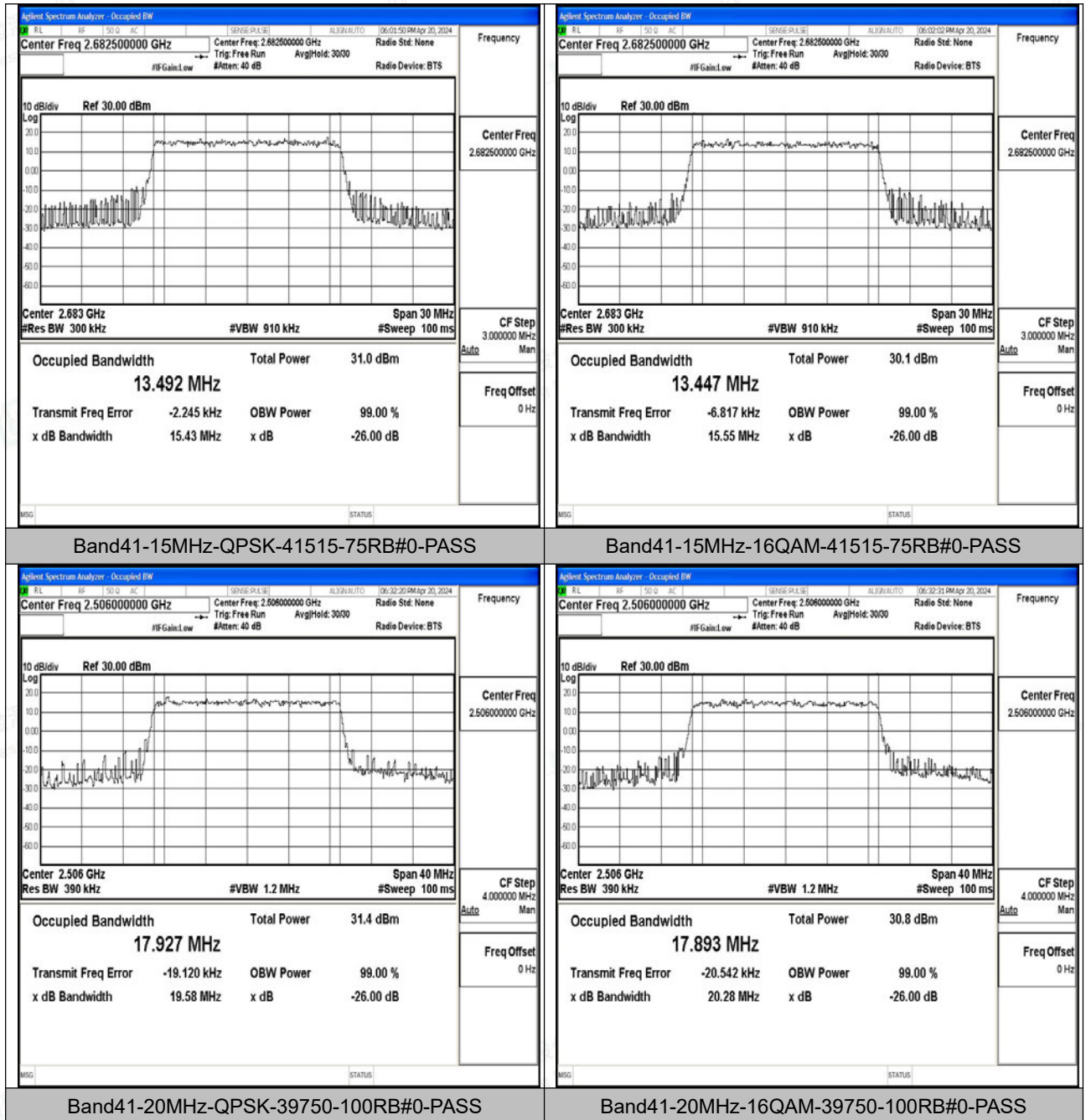


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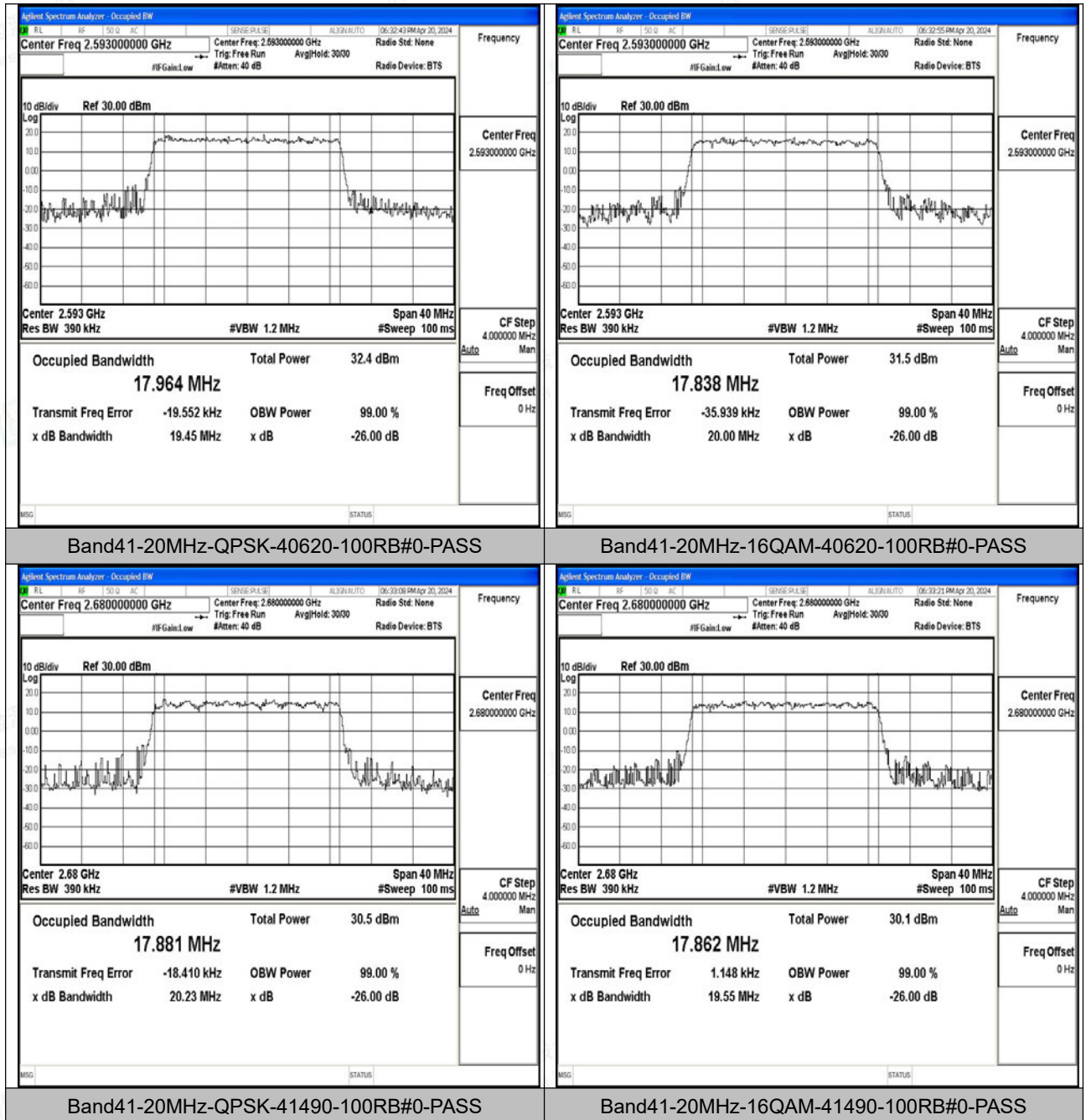


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L.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-35.16	PASS
Band41	5MHz	16QAM	39675	25RB#0	-36.93	PASS
Band41	5MHz	QPSK	41565	25RB#0	-44.85	PASS
Band41	5MHz	16QAM	41565	25RB#0	-45.39	PASS
Band41	10MHz	QPSK	39700	50RB#0	-40.41	PASS
Band41	10MHz	16QAM	39700	50RB#0	-42.14	PASS
Band41	10MHz	QPSK	41540	50RB#0	-43.96	PASS
Band41	10MHz	16QAM	41540	50RB#0	-43.98	PASS
Band41	15MHz	QPSK	39725	75RB#0	-37.56	PASS
Band41	15MHz	16QAM	39725	75RB#0	-39.56	PASS
Band41	15MHz	QPSK	41515	75RB#0	-42.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	-42.90	PASS
Band41	20MHz	QPSK	39750	100RB#0	-38.73	PASS
Band41	20MHz	16QAM	39750	100RB#0	-39.63	PASS
Band41	20MHz	QPSK	41490	100RB#0	-42.59	PASS
Band41	20MHz	16QAM	41490	100RB#0	-42.75	PASS

Test Graphs

