



Appendix K: Test Data for E-UTRA Band 41

Product Name: Smart Phone

Test Model: HPPL63A

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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K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.66	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.31	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.55	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.37	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.67	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.35	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.86	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.71	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.85	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.69	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.96	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.64	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.82	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.85	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.86	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.08	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.58	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.89	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.51	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.24	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.53	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.01	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.68	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.83	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.69	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.80	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.06	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.87	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.17	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.03	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.77	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.14	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.81	PASS



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Band41	10MHz	QPSK	39700	1RB#49	22.35	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.37	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.84	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.51	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.80	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.46	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.02	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.06	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.87	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.17	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.94	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.63	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.89	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.08	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.91	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.08	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.09	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.91	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.03	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.04	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.78	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.22	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.93	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.57	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.27	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.22	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.22	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.22	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.21	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.21	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.21	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.52	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.73	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.34	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.52	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.94	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.65	PASS
Band41	15MHz	QPSK	40620	38RB#0	20.85	PASS
Band41	15MHz	16QAM	40620	38RB#0	20.85	PASS



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Band41	15MHz	QPSK	40620	38RB#18	20.85	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.86	PASS
Band41	15MHz	QPSK	40620	38RB#37	20.86	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.86	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.86	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.13	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.83	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.52	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.90	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.78	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.78	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.78	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.08	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.72	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.07	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.10	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.29	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.39	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.85	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.74	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.20	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.19	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.32	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.71	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.10	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.38	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.51	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.22	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.55	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.78	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.23	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.82	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.12	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.88	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.14	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.52	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.58	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.57	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.71	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.03	PASS



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Band41	5MHz	QPSK	40620	1RB#0	21.47	PASS
Band41	5MHz	16QAM	40620	1RB#0	20.99	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.53	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.29	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.62	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.20	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.67	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.84	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.01	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.84	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.05	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.07	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.31	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.07	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.31	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.20	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.48	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.07	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.57	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.71	PASS
Band41	10MHz	16QAM	40620	25RB#0	19.96	PASS
Band41	10MHz	QPSK	40620	25RB#12	20.72	PASS
Band41	10MHz	16QAM	40620	25RB#12	19.96	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.47	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.87	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.44	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.90	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.92	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.23	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.91	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.58	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.84	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.41	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.77	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.77	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.77	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.78	PASS
Band41	20MHz	QPSK	39750	50RB#25	20.74	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.32	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.82	PASS



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Band41	20MHz	16QAM	40620	1RB#99	21.45	PASS
Band41	20MHz	QPSK	40620	50RB#0	20.82	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.13	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.82	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.13	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.94	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.37	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.88	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.16	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.54	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.60	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.56	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.77	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.22	PASS



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K.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	8.13	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.58	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.88	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.47	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.55	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.13	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.90	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.71	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.28	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.66	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.25	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.64	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.74	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.18	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.92	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.40	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.63	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.03	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.06	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.59	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.22	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.09	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.87	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.92	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.21	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	7.94	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.35	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.65	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.32	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.07	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.21	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.70	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.02	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.16	13	PASS



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Band41	15MHz	QPSK	41515	75RB#0	9.52	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.67	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	7.50	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	7.92	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.88	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.64	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.00	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.30	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.86	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.48	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.00	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.50	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.79	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.69	13	PASS



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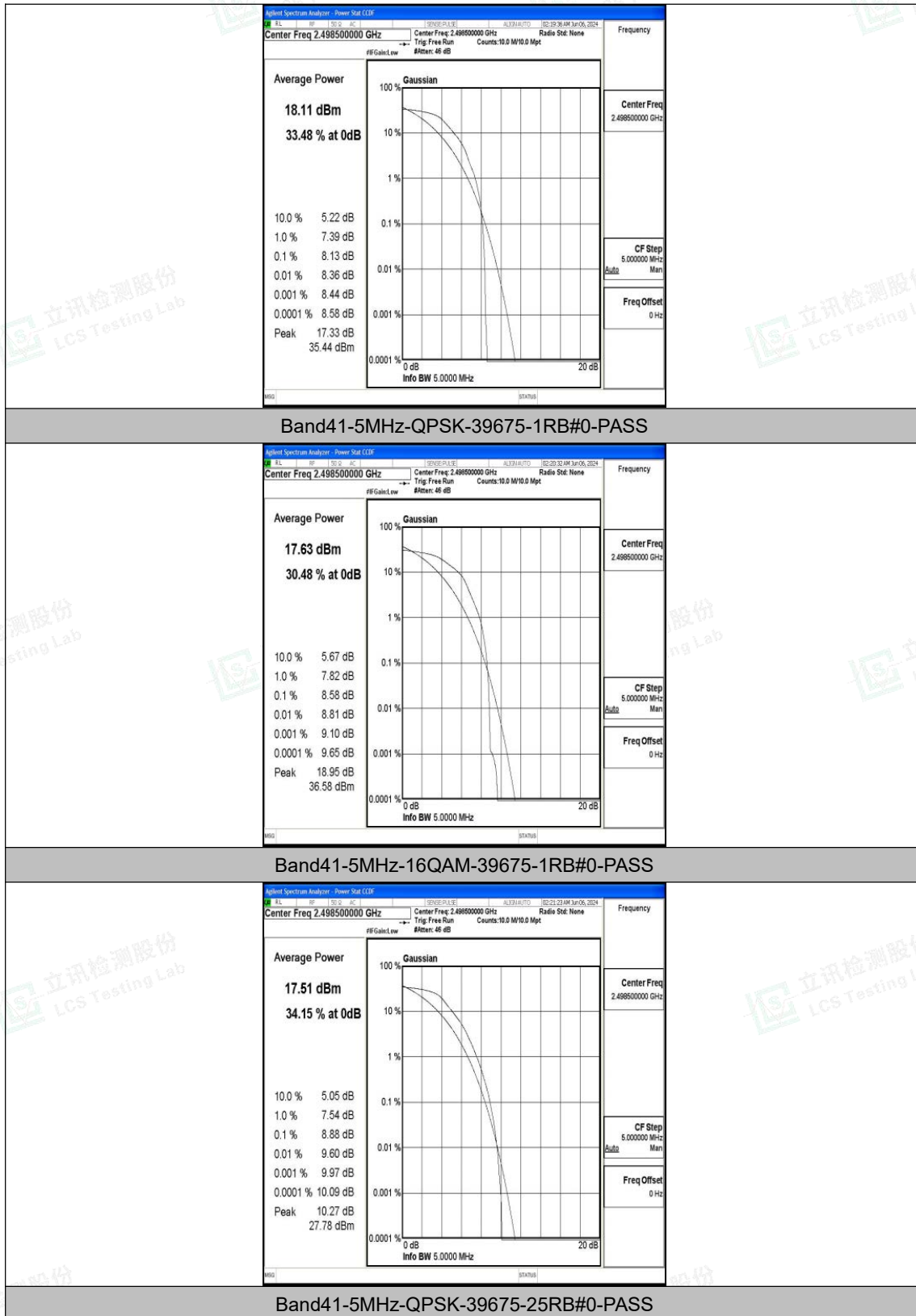
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Test Graphs

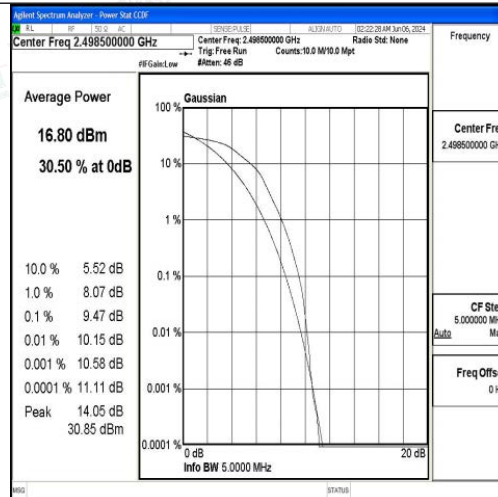


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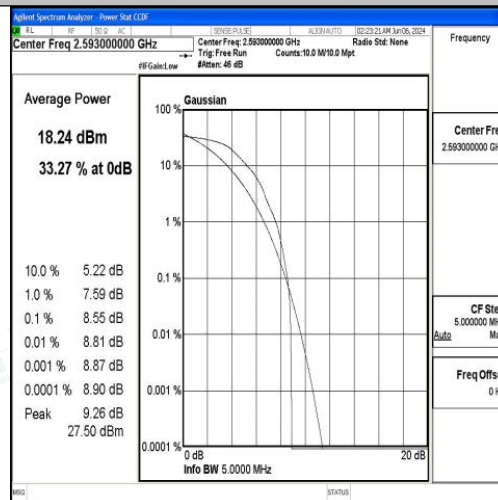
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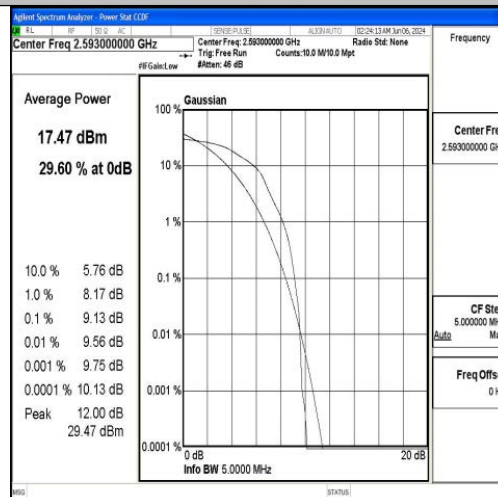
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Band41-5MHz-16QAM-39675-25RB#0-PASS



Band41-5MHz-QPSK-40620-1RB#0-PASS



Band41-5MHz-16QAM-40620-1RB#0-PASS

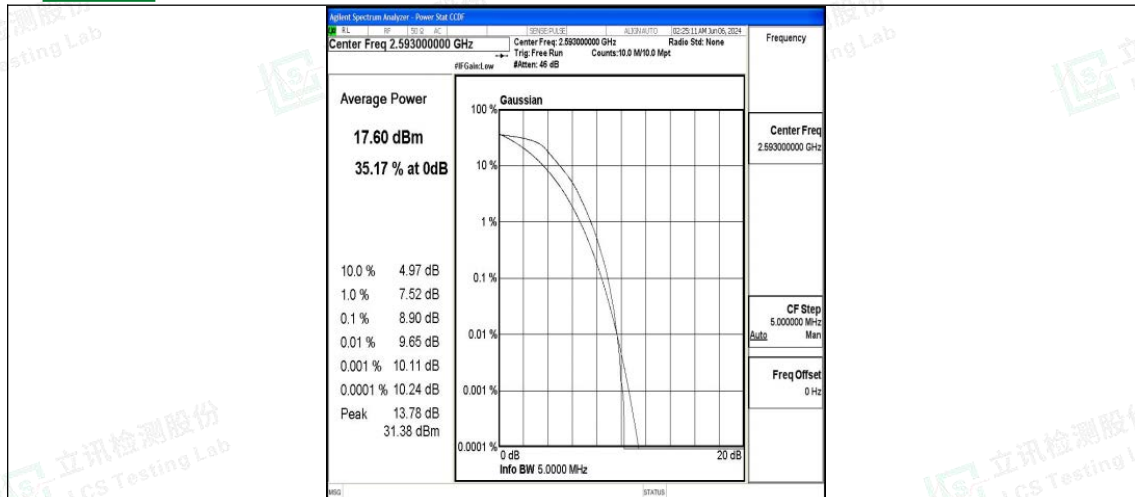


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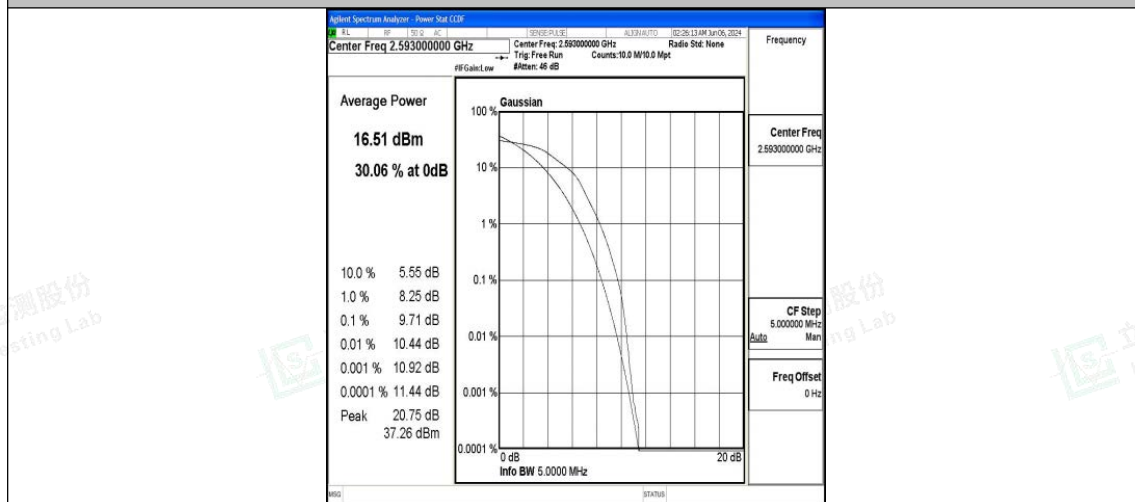
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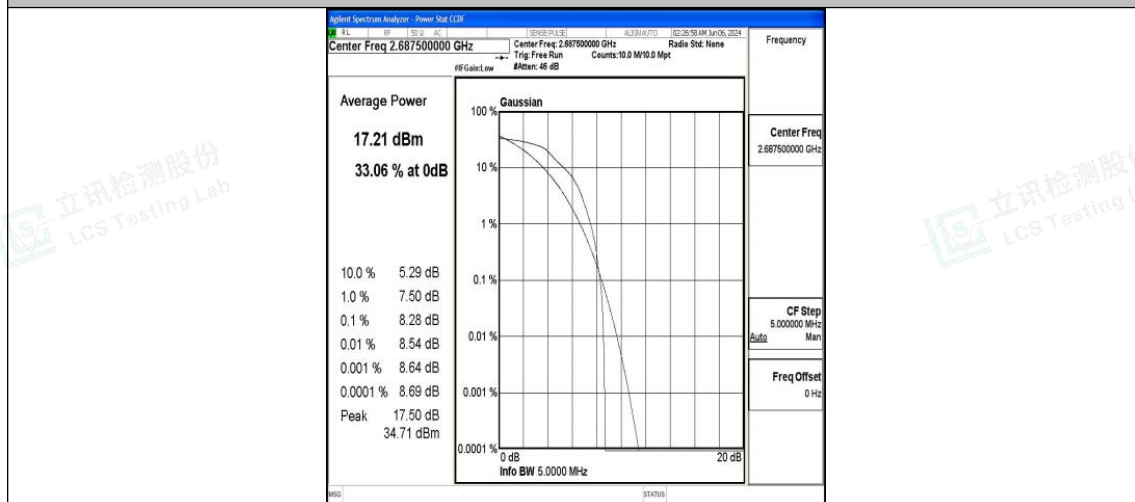
Scan code to check authenticity



Band41-5MHz-QPSK-40620-25RB#0-PASS



Band41-5MHz-16QAM-40620-25RB#0-PASS



Band41-5MHz-QPSK-41565-1RB#0-PASS

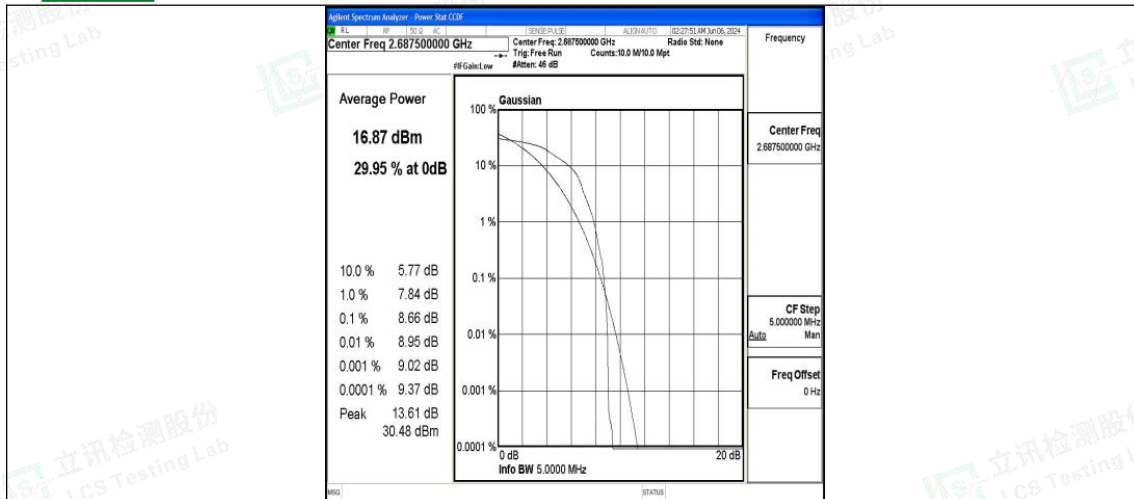


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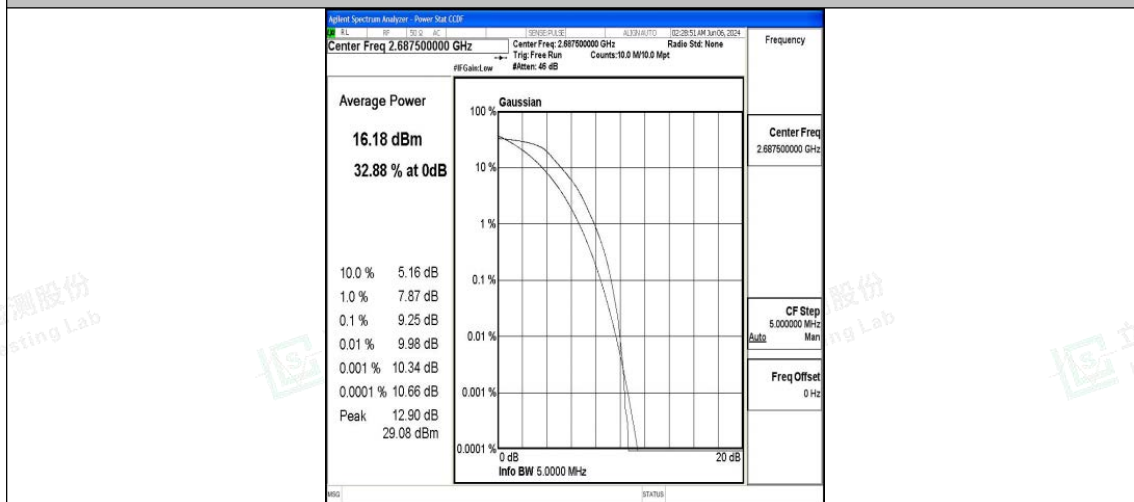
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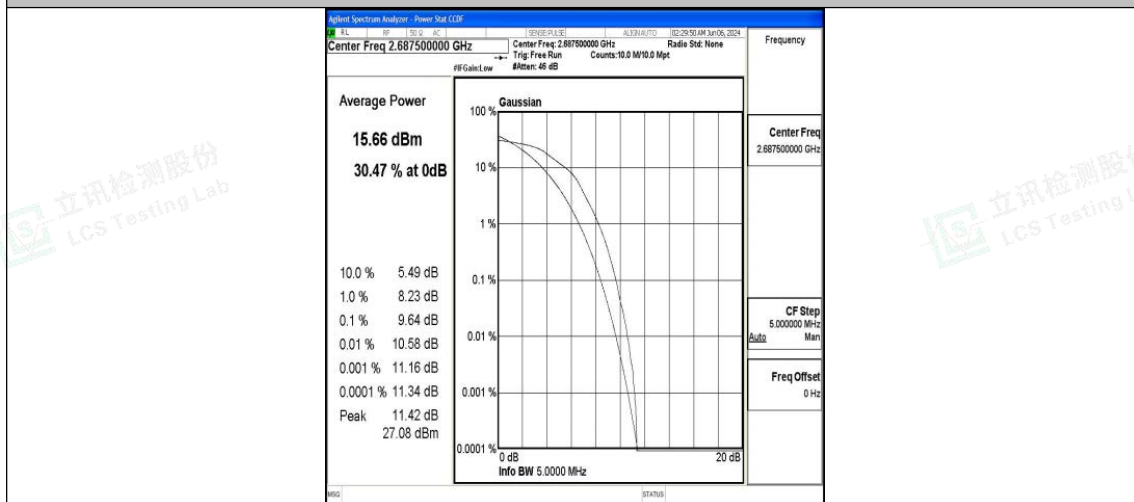
Scan code to check authenticity



Band41-5MHz-16QAM-41565-1RB#0-PASS



Band41-5MHz-QPSK-41565-25RB#0-PASS



Band41-5MHz-16QAM-41565-25RB#0-PASS

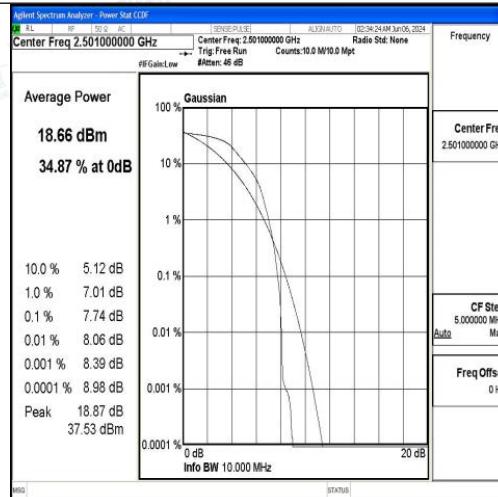


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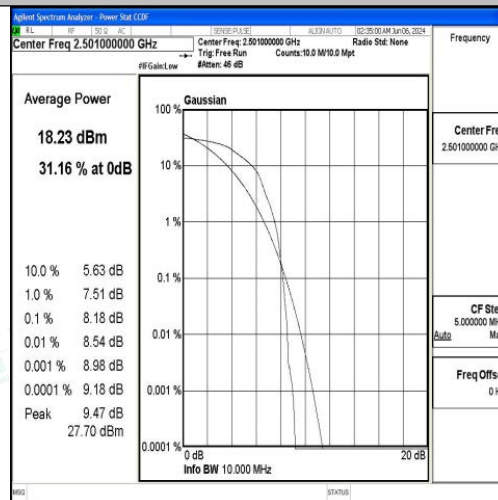
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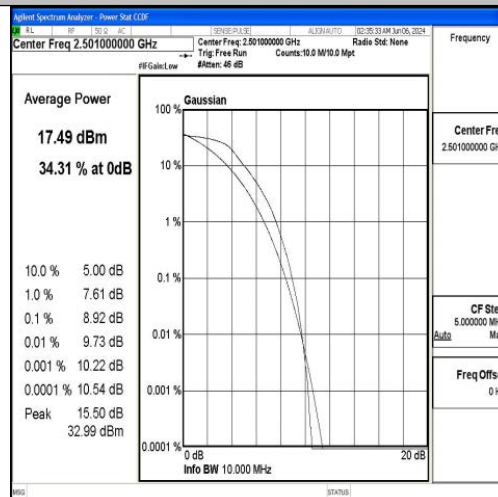
Scan code to check authenticity



Band41-10MHz-QPSK-39700-1RB#0-PASS



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



Band41-10MHz-QPSK-39700-50RB#0-PASS

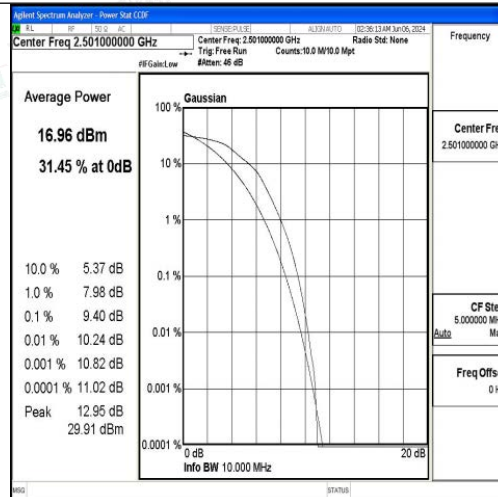


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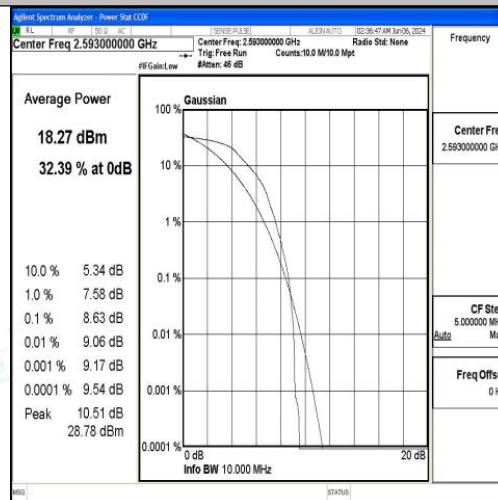
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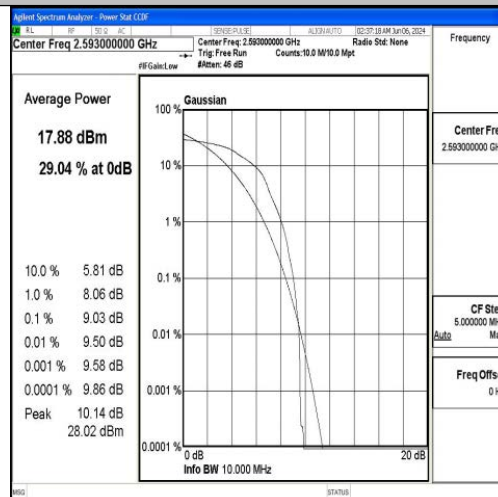
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Band41-10MHz-16QAM-39700-50RB#0-PASS



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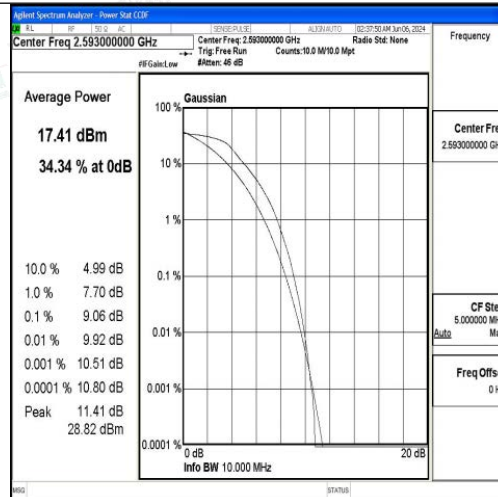


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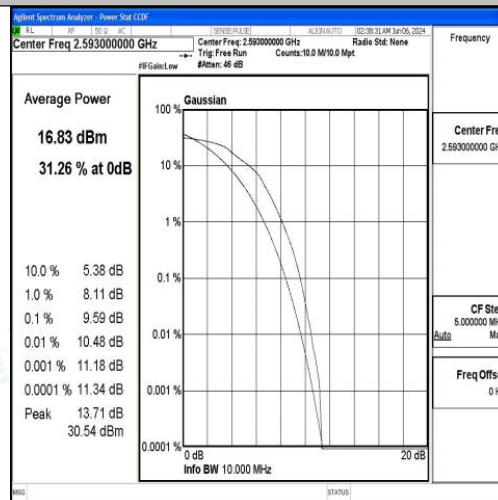
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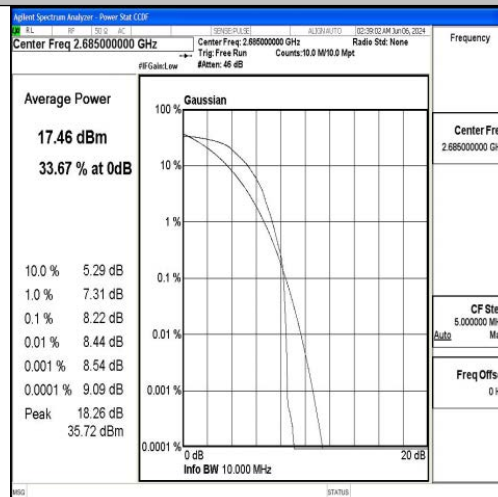
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Band41-10MHz-QPSK-40620-50RB#0-PASS



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



Band41-10MHz-QPSK-41540-1RB#0-PASS

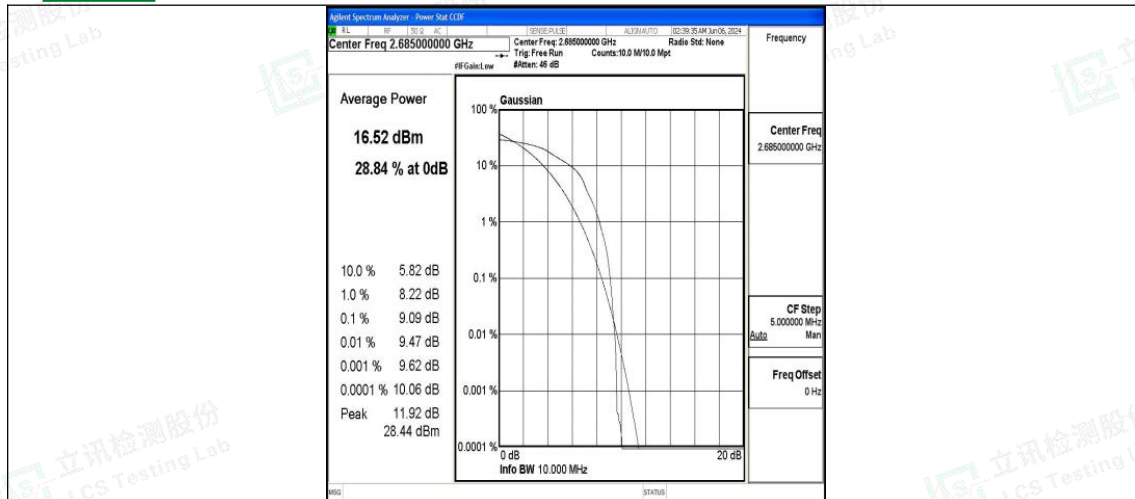


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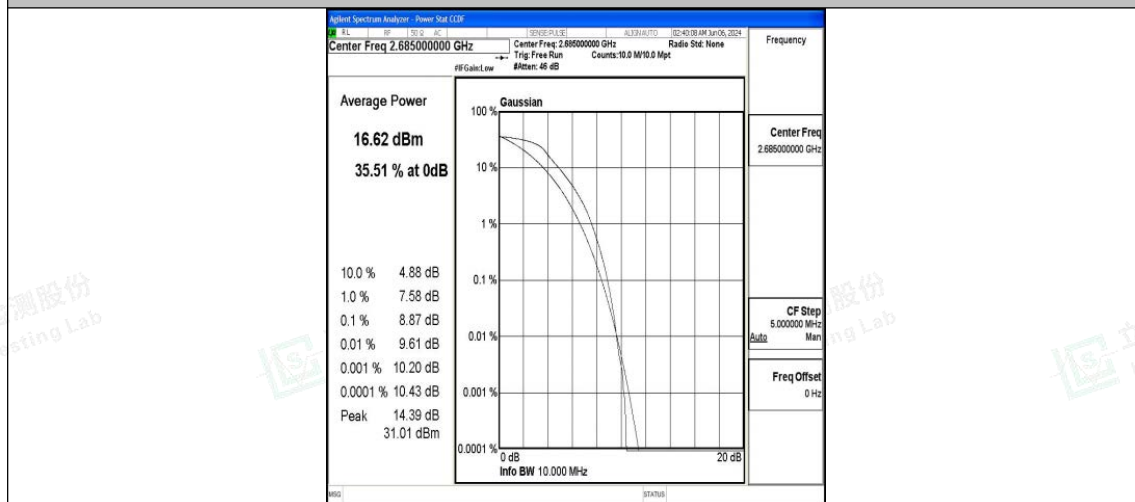
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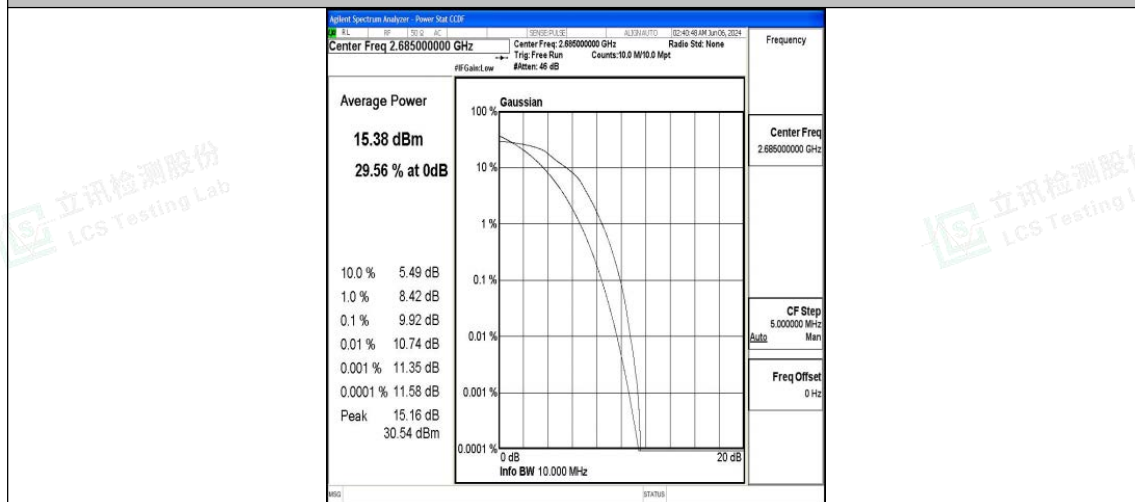
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Band41-10MHz-QPSK-41540-50RB#0-PASS



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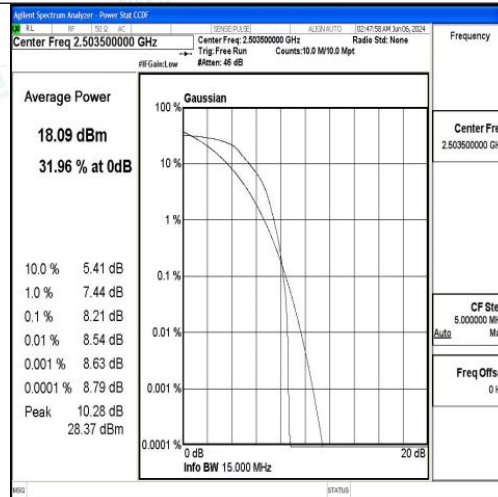


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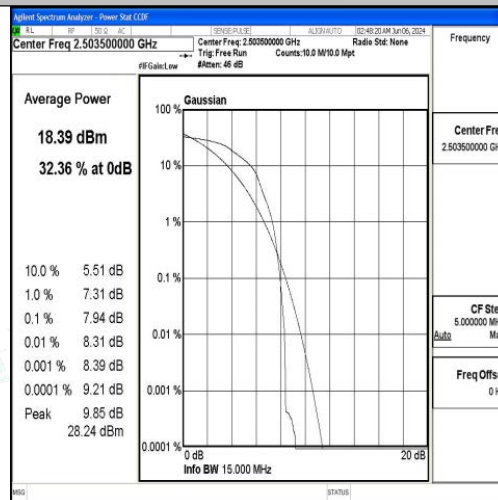
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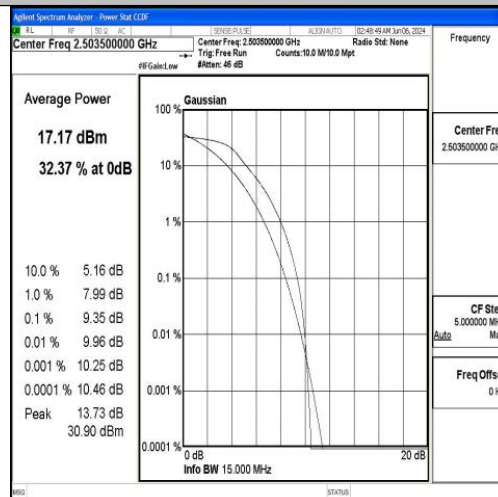
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Band41-15MHz-QPSK-39725-1RB#0-PASS



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



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

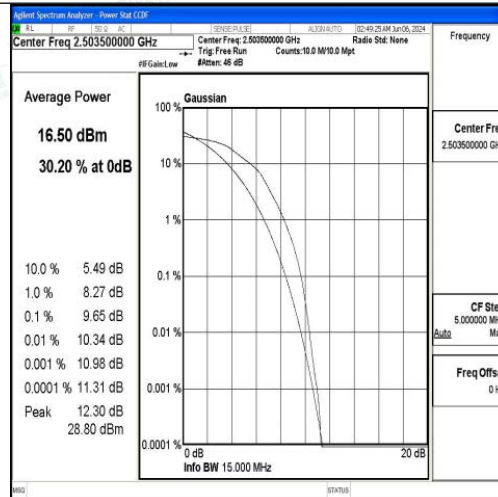


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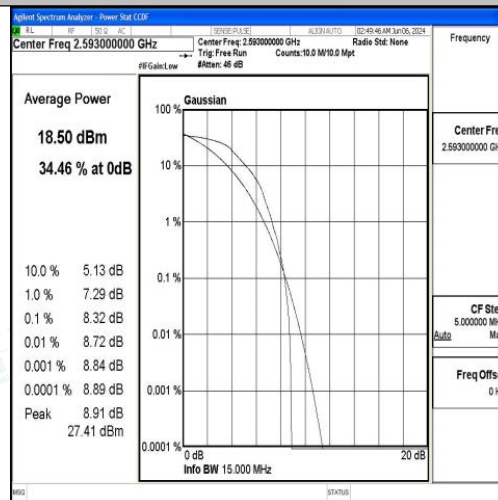
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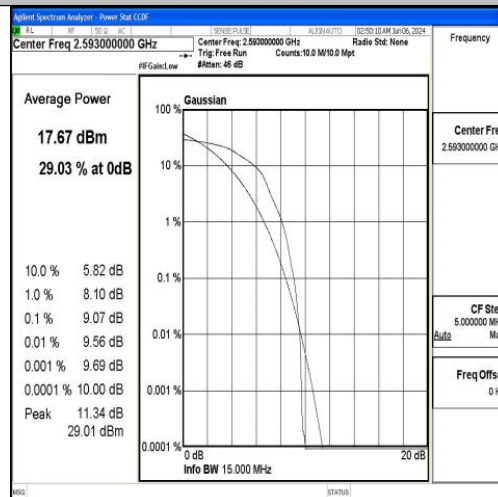
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Band41-15MHz-16QAM-39725-75RB#0-PASS



Band41-15MHz-QPSK-40620-1RB#0-PASS



Band41-15MHz-16QAM-40620-1RB#0-PASS

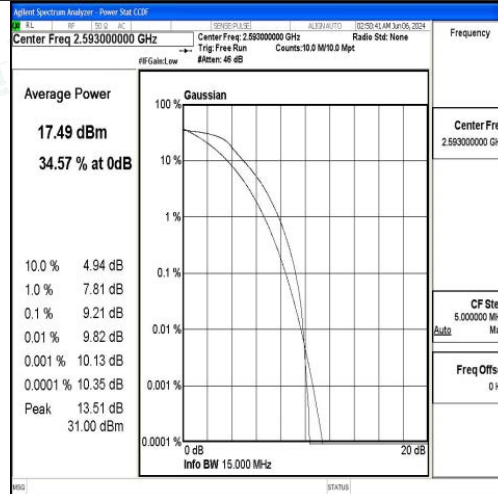


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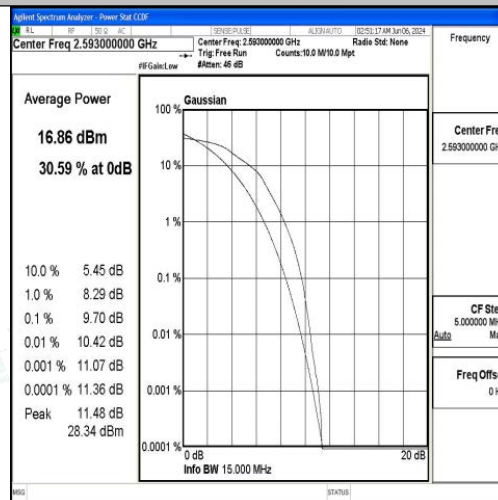
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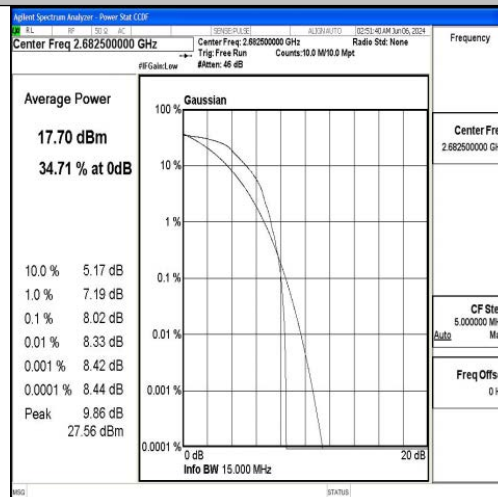
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Band41-15MHz-QPSK-40620-75RB#0-PASS



Band41-15MHz-16QAM-40620-75RB#0-PASS



Band41-15MHz-QPSK-41515-1RB#0-PASS

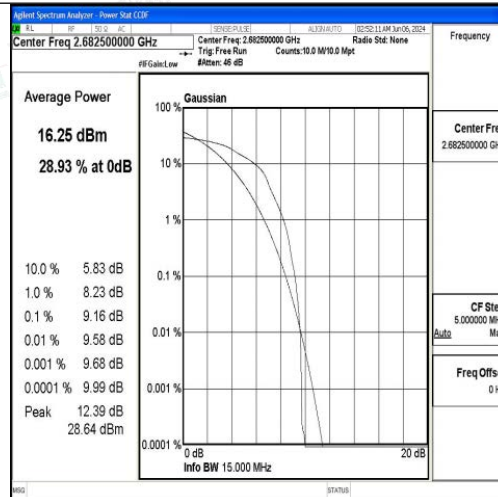


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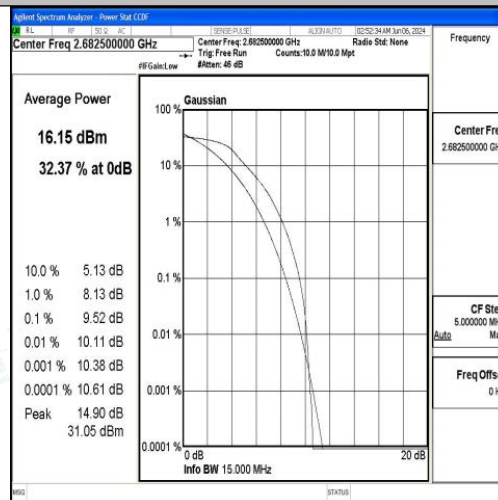
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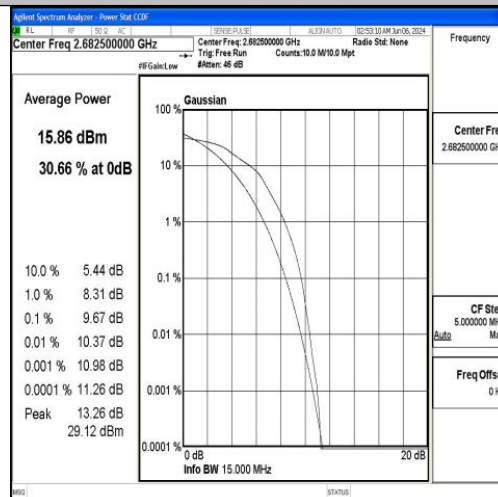
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Band41-15MHz-16QAM-41515-1RB#0-PASS



Band41-15MHz-QPSK-41515-75RB#0-PASS



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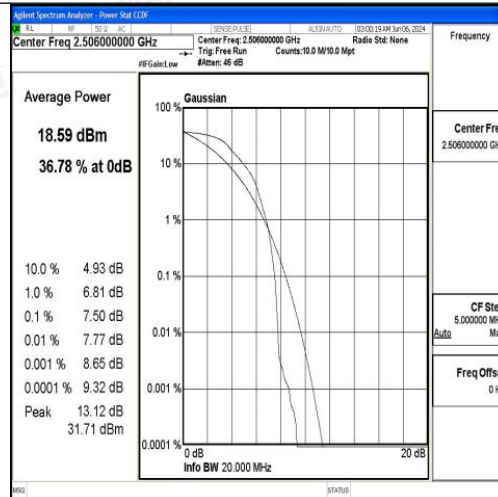


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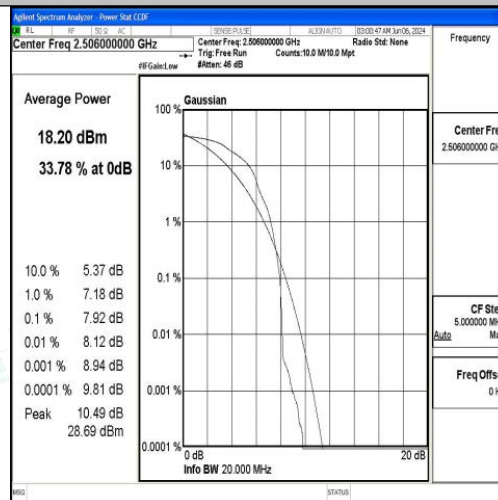
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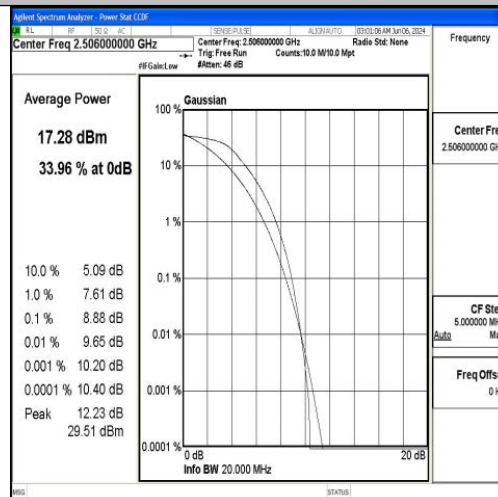
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Band41-20MHz-QPSK-39750-1RB#0-PASS



Band41-20MHz-16QAM-39750-1RB#0-PASS



Band41-20MHz-QPSK-39750-100RB#0-PASS

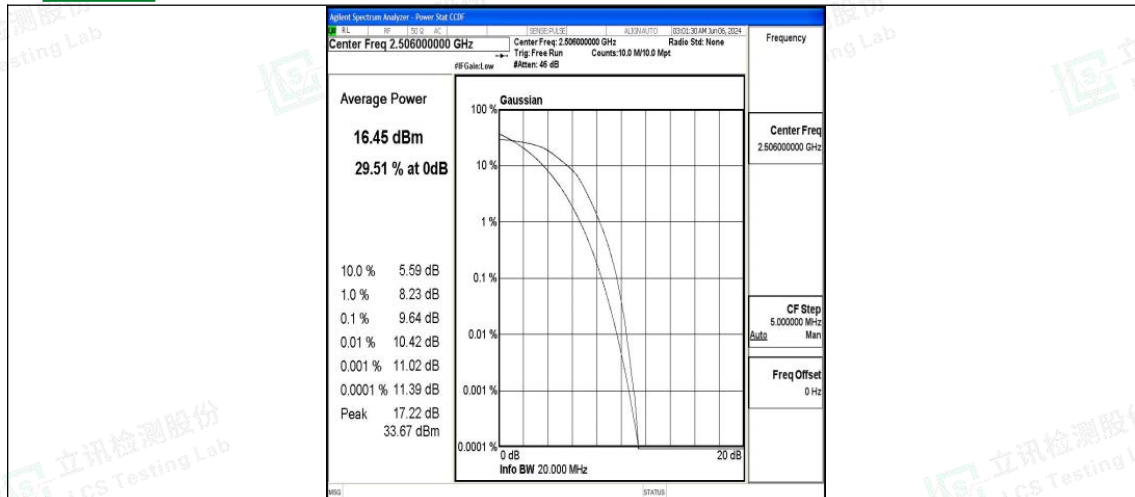


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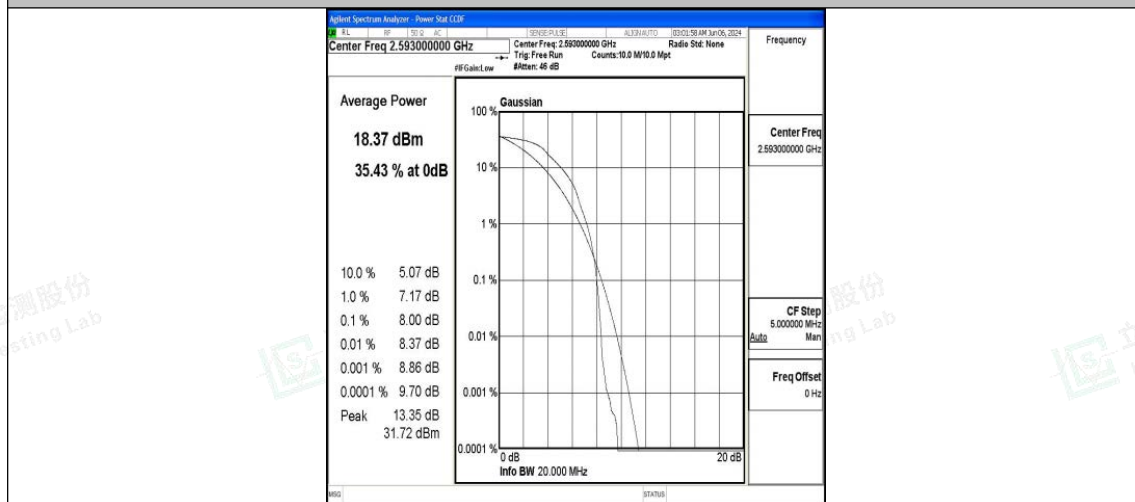
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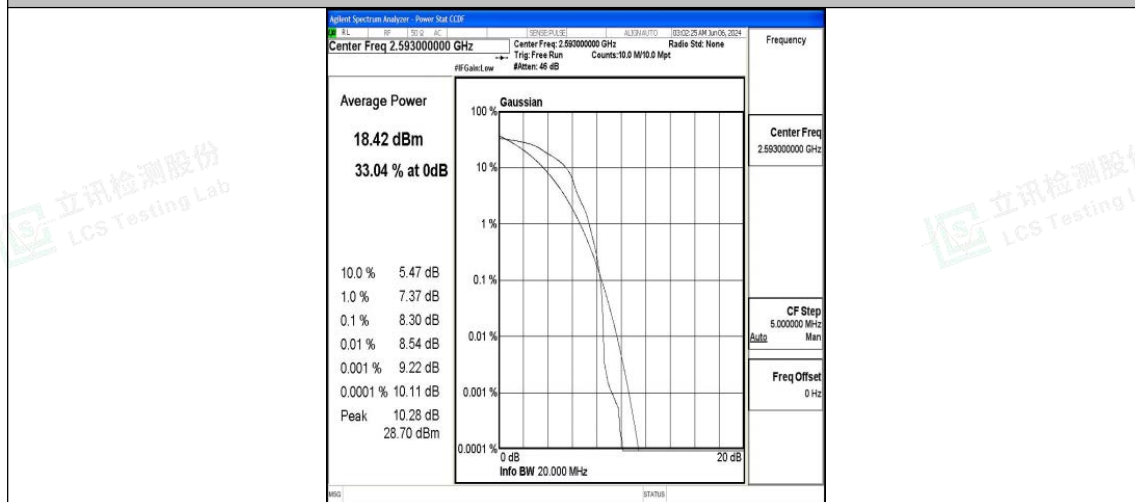
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Band41-20MHz-16QAM-39750-100RB#0-PASS



Band41-20MHz-QPSK-40620-1RB#0-PASS



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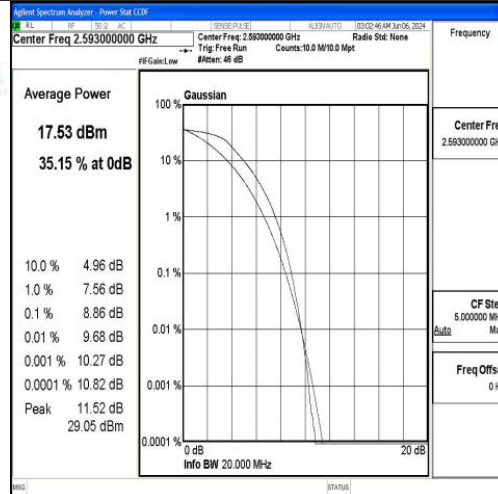


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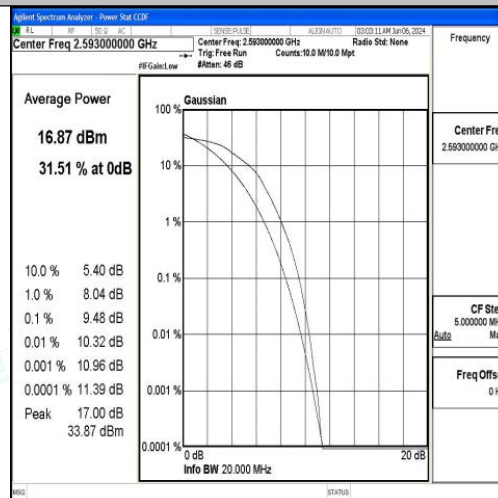
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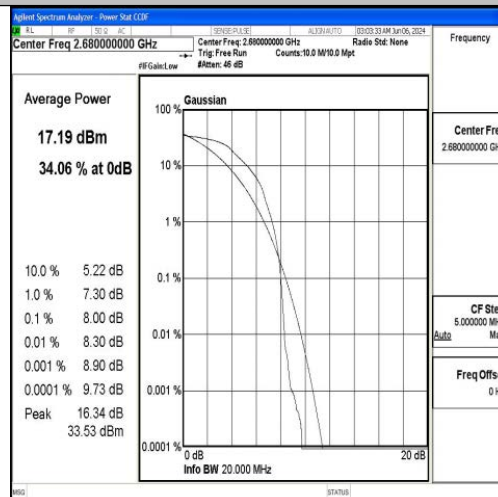
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Band41-20MHz-QPSK-40620-100RB#0-PASS



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



Band41-20MHz-QPSK-41490-1RB#0-PASS

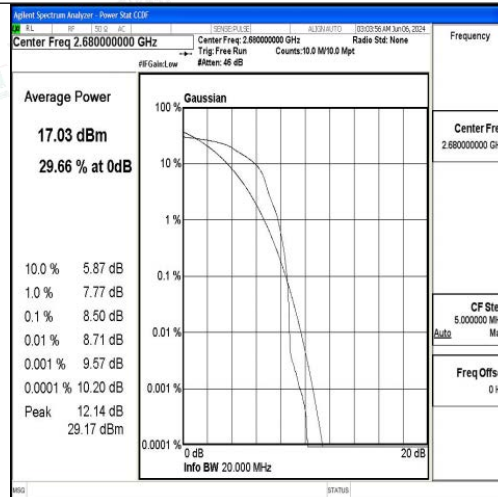


Shenzhen LCS Compliance Testing Laboratory Ltd.

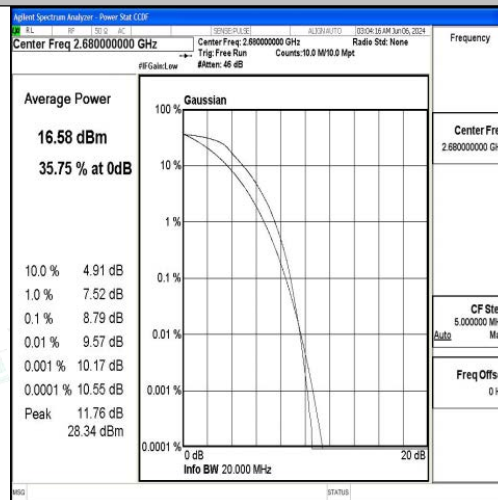
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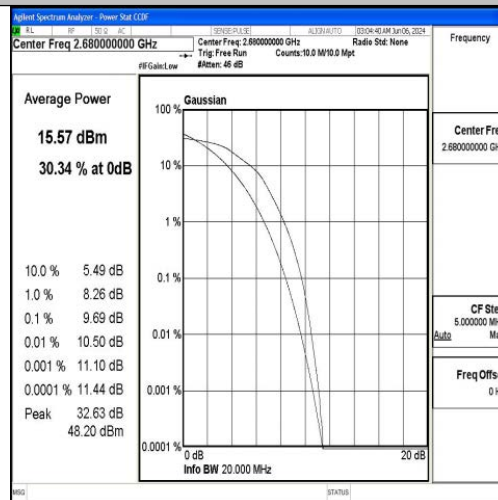
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Band41-20MHz-16QAM-41490-1RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



Band41-20MHz-16QAM-41490-100RB#0-PASS



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K.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4925	4.896	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4877	5.132	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4945	4.899	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4982	5.231	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4946	5.198	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4864	4.966	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9783	10.09	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9837	9.910	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9846	10.23	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9994	9.780	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0007	10.28	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9903	9.669	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.518	16.19	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.479	15.31	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.535	15.84	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.486	15.23	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.527	15.96	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.495	15.14	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.015	20.27	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.990	20.29	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.058	20.15	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.989	20.71	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.025	20.13	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.861	20.26	PASS



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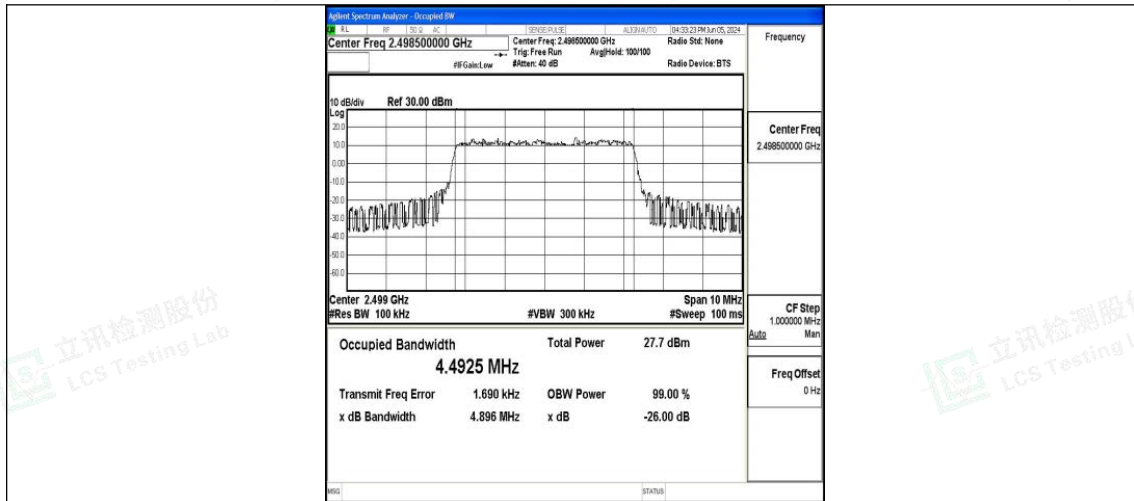
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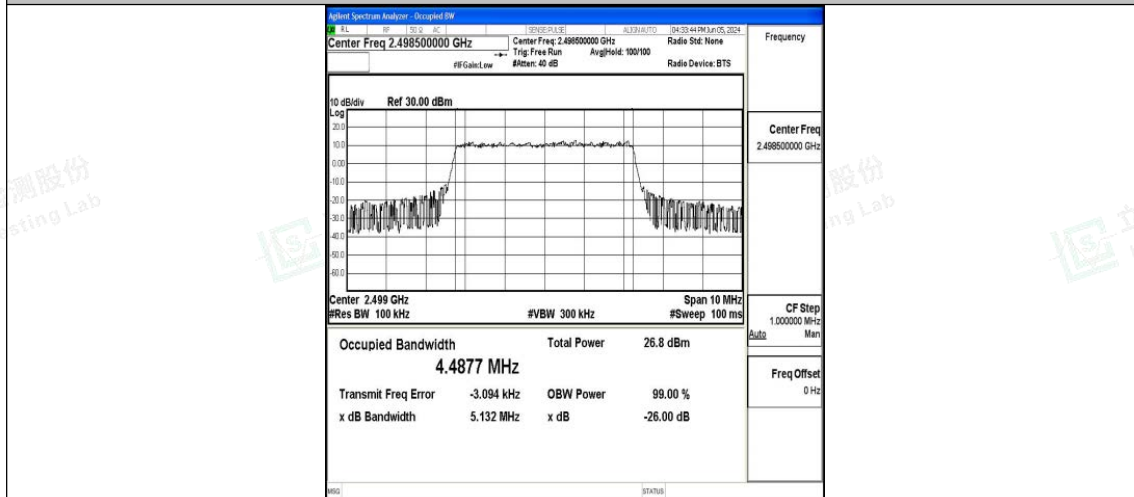
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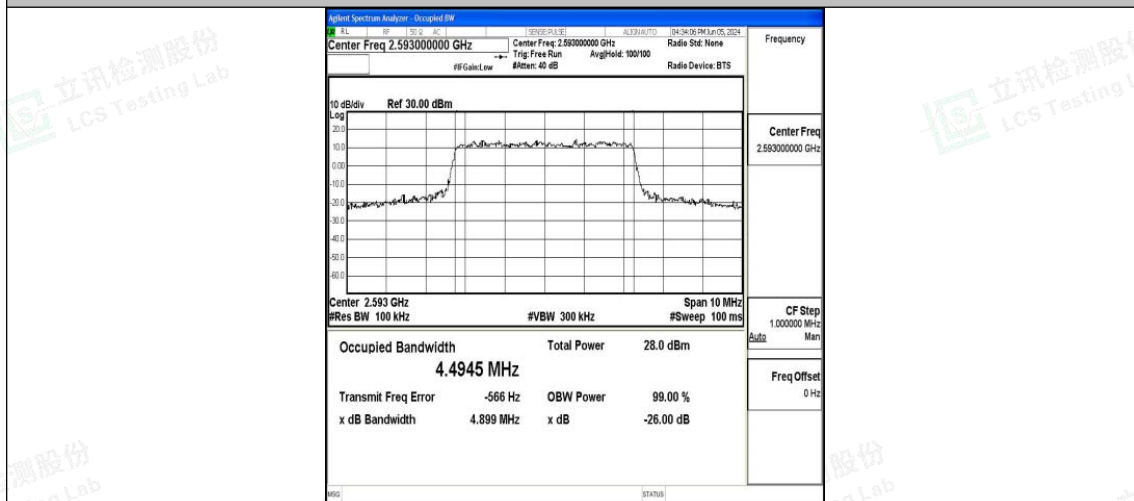
Test Graphs



Band41-5MHz-QPSK-39675-25RB#0-PASS



Band41-5MHz-16QAM-39675-25RB#0-PASS



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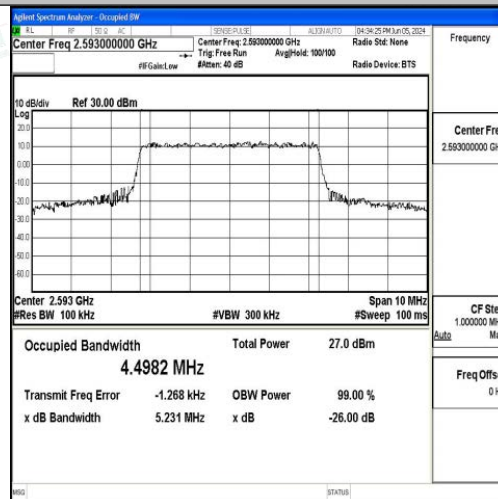
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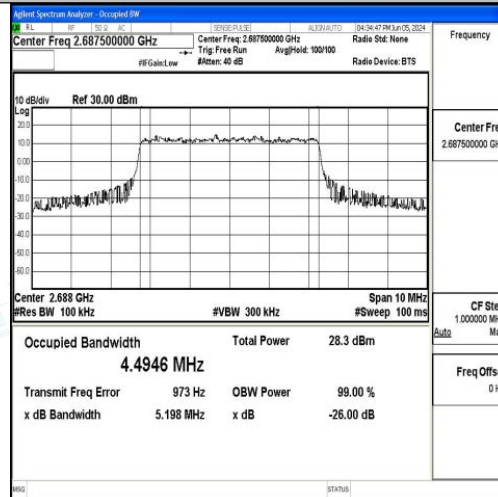
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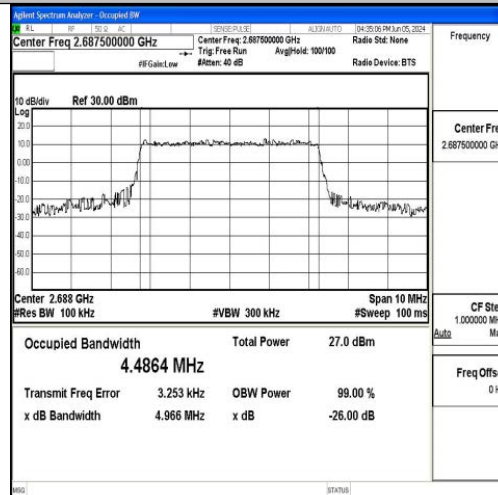
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Band41-5MHz-16QAM-40620-25RB#0-PASS



Band41-5MHz-QPSK-41565-25RB#0-PASS



Band41-5MHz-16QAM-41565-25RB#0-PASS

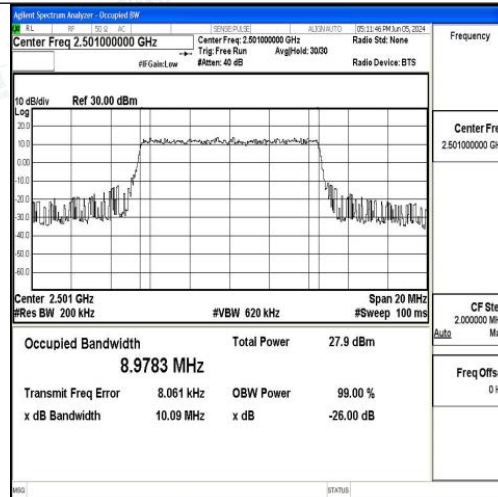


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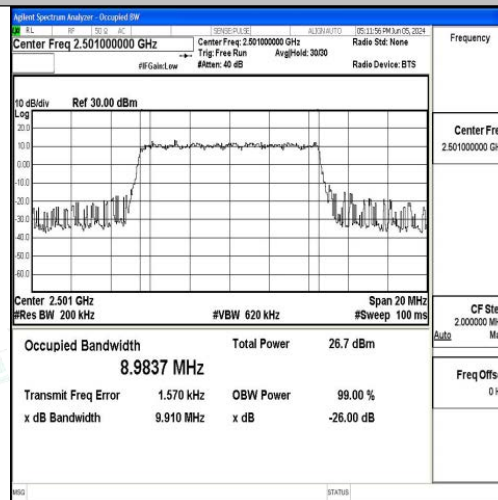
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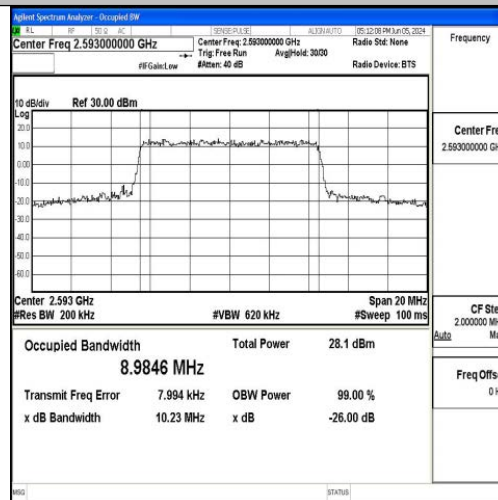
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Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS



Band41-10MHz-QPSK-40620-50RB#0-PASS

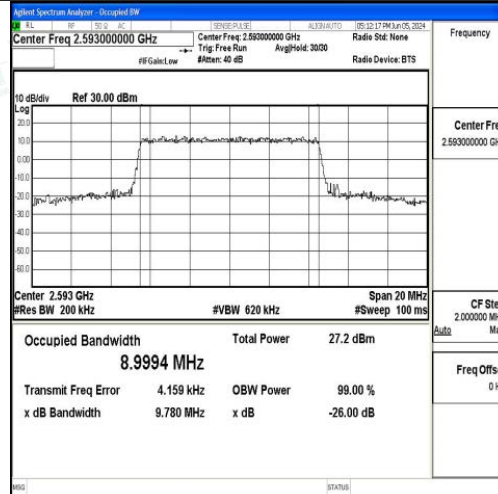


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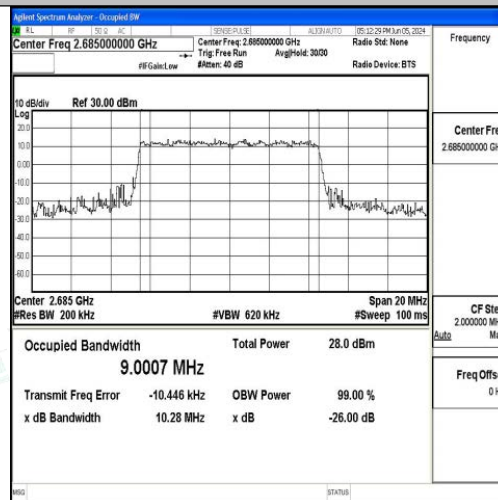
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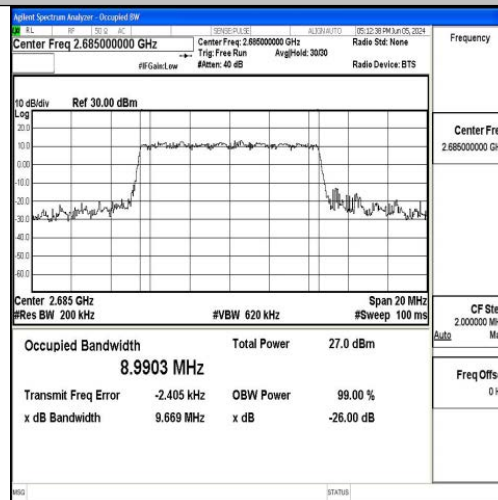
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Band41-10MHz-16QAM-40620-50RB#0-PASS



Band41-10MHz-QPSK-41540-50RB#0-PASS



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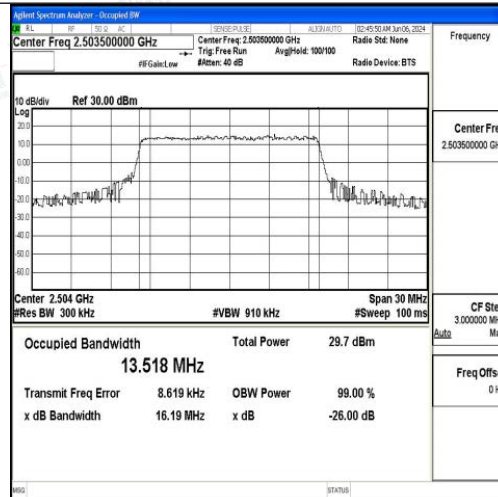


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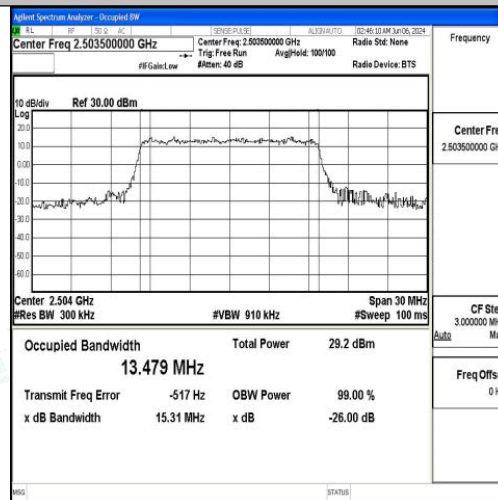
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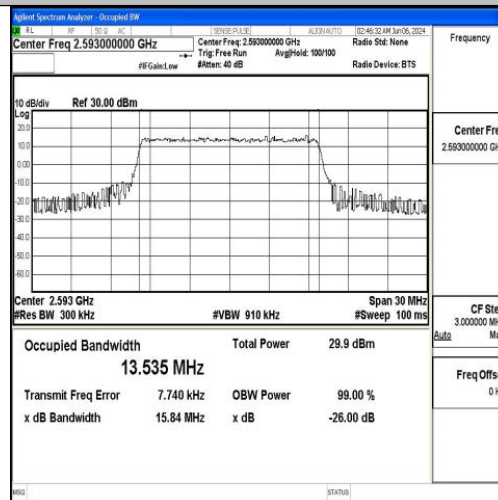
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Band41-15MHz-QPSK-39725-75RB#0-PASS



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



Band41-15MHz-QPSK-40620-75RB#0-PASS

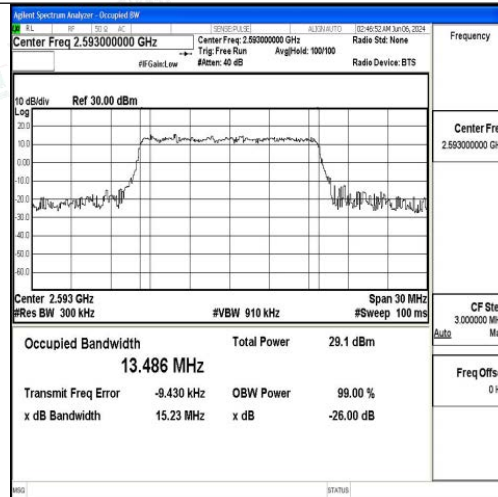


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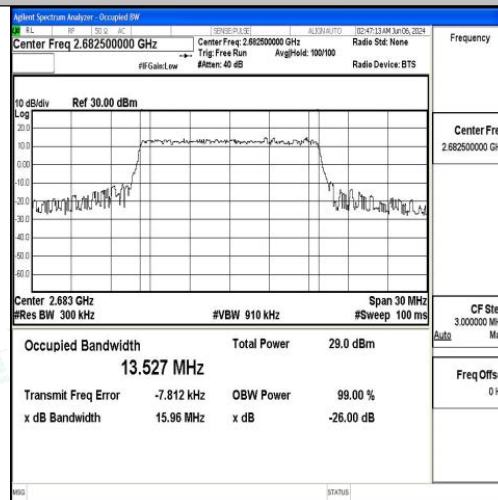
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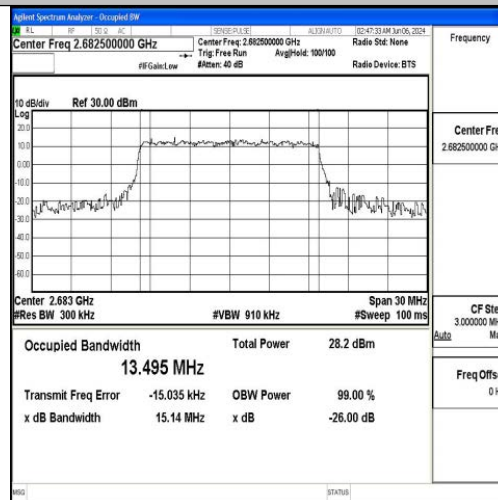
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Band41-15MHz-16QAM-40620-75RB#0-PASS



Band41-15MHz-QPSK-41515-75RB#0-PASS



Band41-15MHz-16QAM-41515-75RB#0-PASS

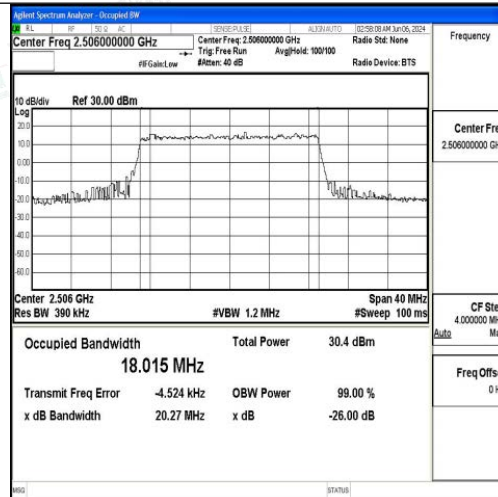


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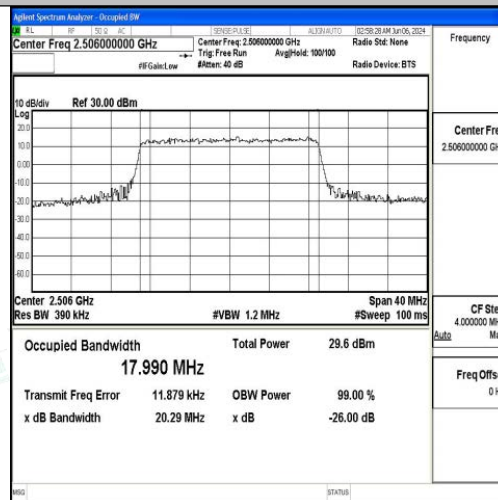
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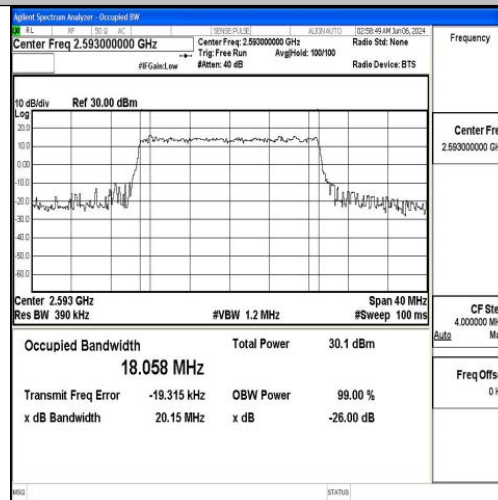
Scan code to check authenticity



Band41-20MHz-QPSK-39750-100RB#0-PASS



Band41-20MHz-16QAM-39750-100RB#0-PASS



Band41-20MHz-QPSK-40620-100RB#0-PASS

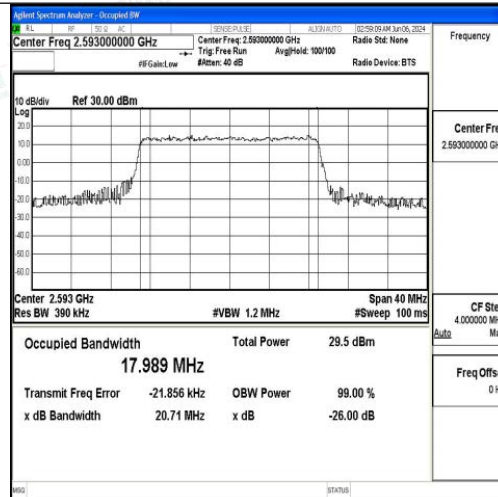


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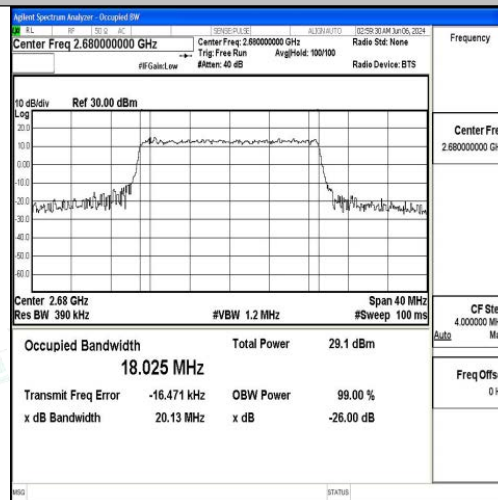
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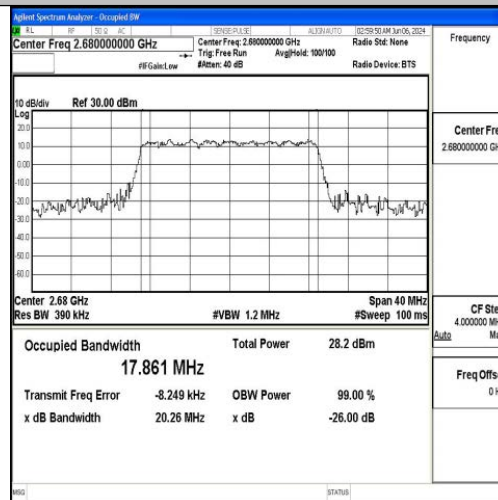
Scan code to check authenticity



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



Band41-20MHz-QPSK-41490-100RB#0-PASS



Band41-20MHz-16QAM-41490-100RB#0-PASS



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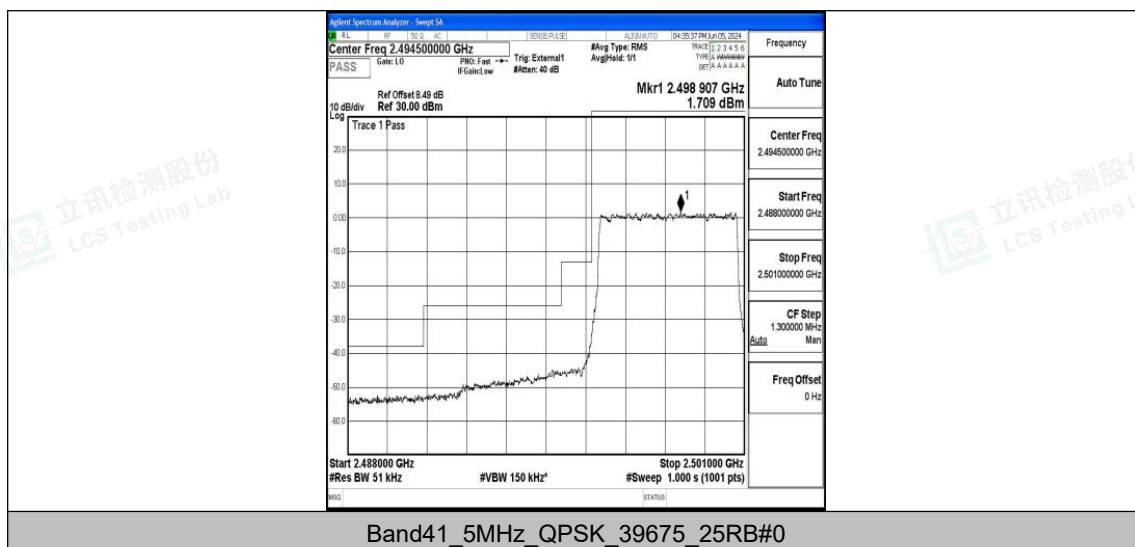


K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	2490.33	-52.26	PASS
Band41	5MHz	16QAM	39675	25RB#0	2490.47	-52.22	PASS
Band41	5MHz	QPSK	41565	25RB#0	2696.49	-46.78	PASS
Band41	5MHz	16QAM	41565	25RB#0	2696.13	-47.83	PASS
Band41	10MHz	QPSK	39700	50RB#0	2490.34	-45.99	PASS
Band41	10MHz	16QAM	39700	50RB#0	2490.43	-46.90	PASS
Band41	10MHz	QPSK	41540	50RB#0	2700.33	-43.59	PASS
Band41	10MHz	16QAM	41540	50RB#0	2700.03	-44.24	PASS
Band41	15MHz	QPSK	39725	75RB#0	2489.86	-41.55	PASS
Band41	15MHz	16QAM	39725	75RB#0	2490.48	-43.42	PASS
Band41	15MHz	QPSK	41515	75RB#0	2705.38	-41.83	PASS
Band41	15MHz	16QAM	41515	75RB#0	2705.35	-42.40	PASS
Band41	20MHz	QPSK	39750	100RB#0	2490.38	-40.46	PASS
Band41	20MHz	16QAM	39750	100RB#0	2490.38	-42.29	PASS
Band41	20MHz	QPSK	41490	100RB#0	2710.01	-42.48	PASS
Band41	20MHz	16QAM	41490	100RB#0	2711.94	-42.60	PASS

Test Graphs



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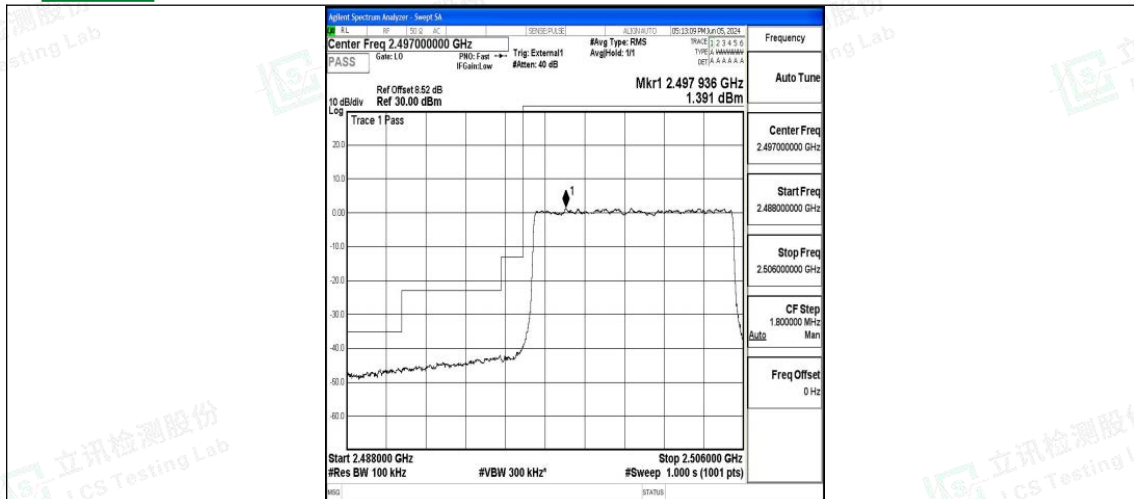


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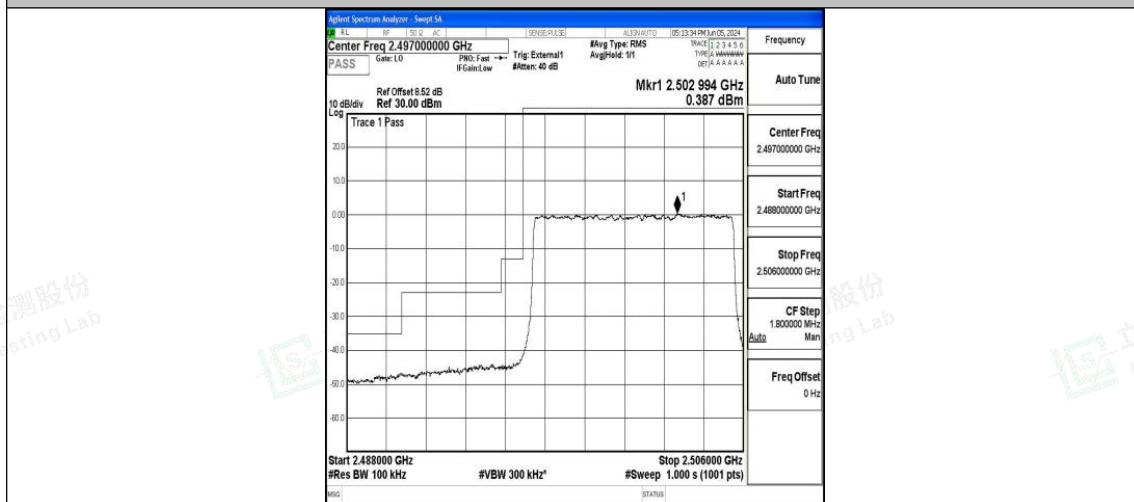
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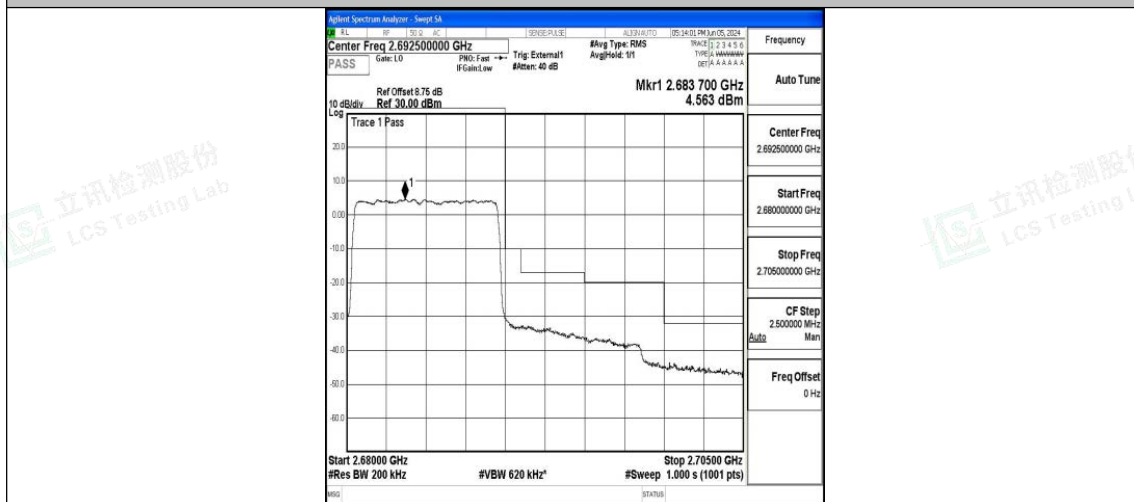
Scan code to check authenticity



Band41_10MHz_QPSK_39700_50RB#0



Band41_10MHz_16QAM_39700_50RB#0



Band41_10MHz_QPSK_41540_50RB#0

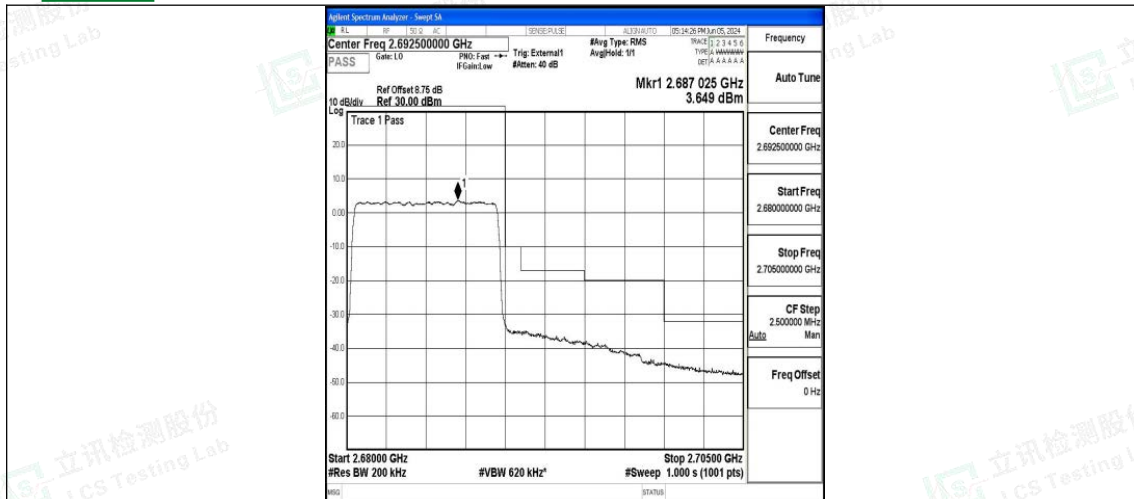


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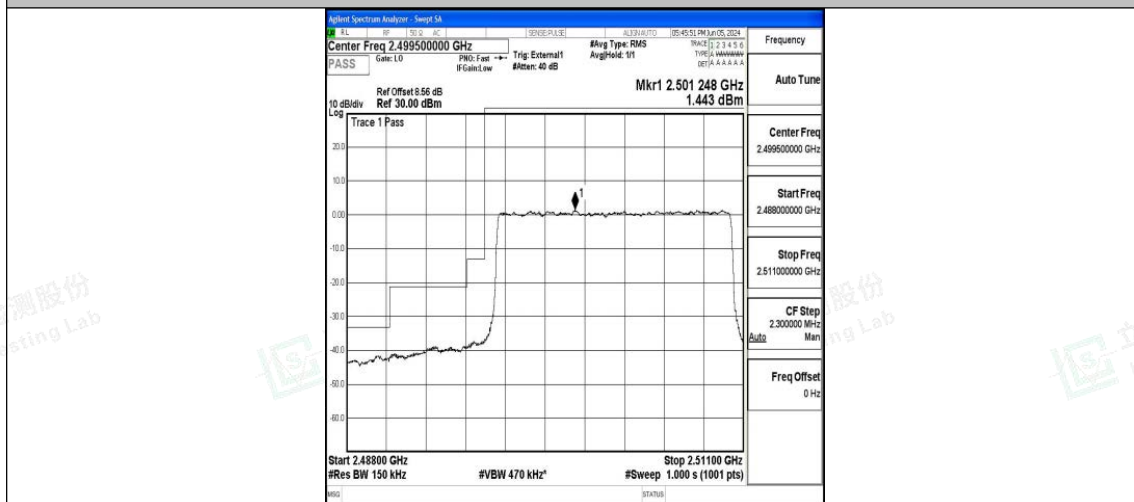
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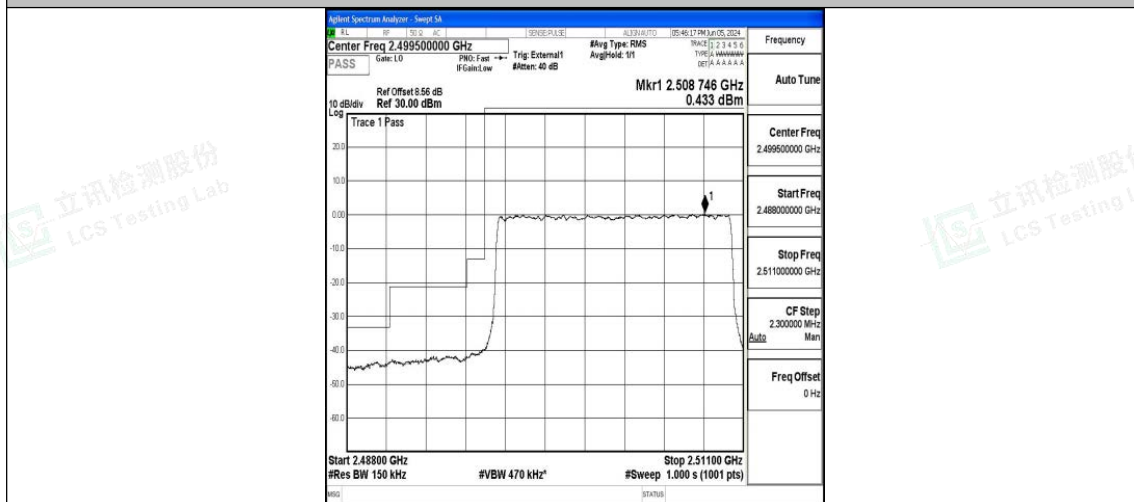
Scan code to check authenticity



Band41_10MHz_16QAM_41540_50RB#0



Band41_15MHz_QPSK_39725_75RB#0



Band41_15MHz_16QAM_39725_75RB#0



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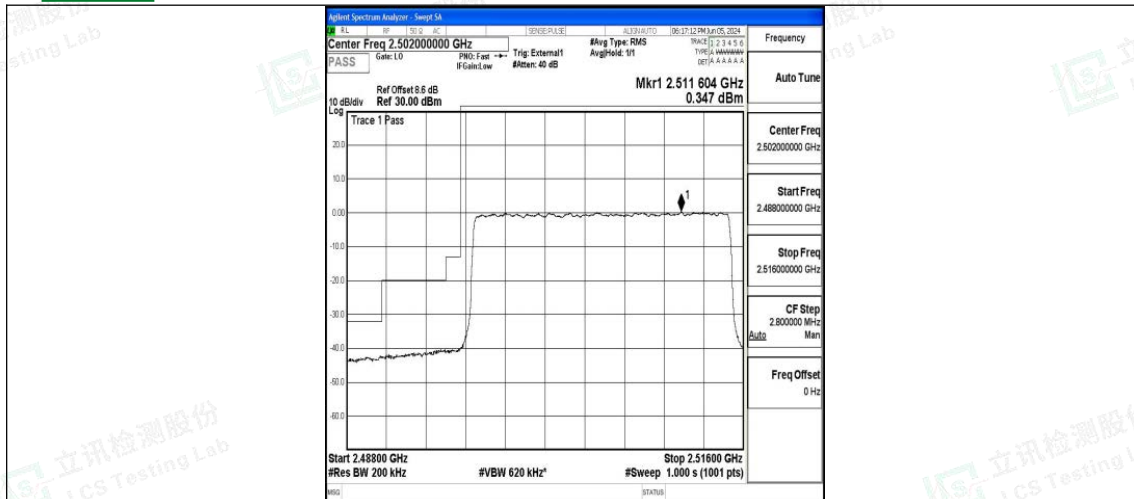


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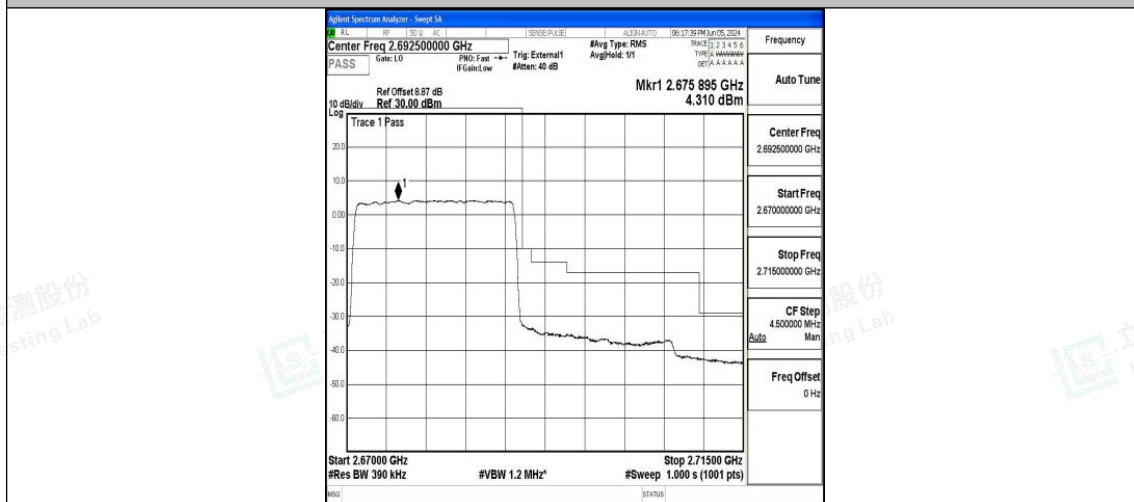
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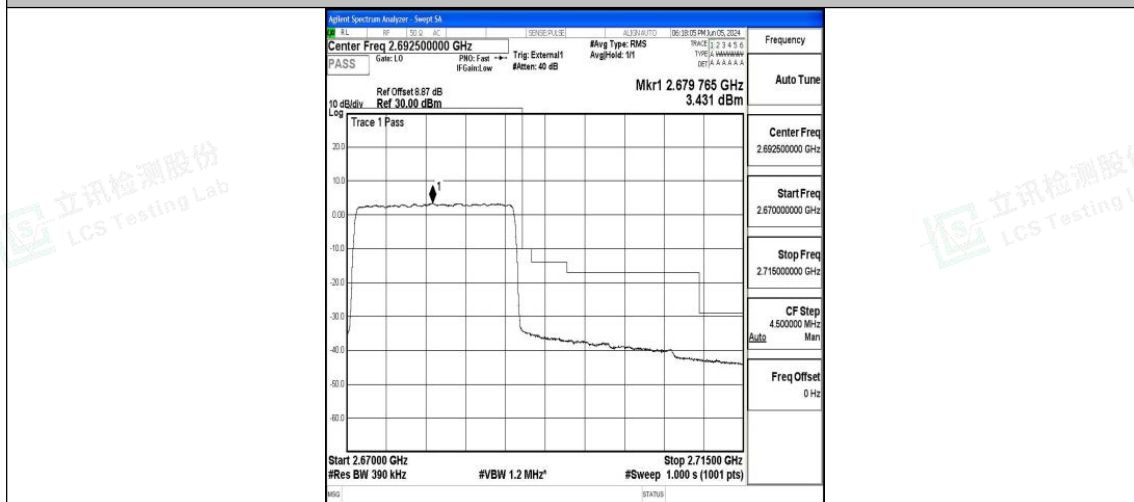
Scan code to check authenticity



Band41_20MHz_16QAM_39750_100RB#0



Band41_20MHz_QPSK_41490_100RB#0



Band41_20MHz_16QAM_41490_100RB#0



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K.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	0.009~0.15	-68.38	PASS
Band41	5MHz	QPSK	39675	1RB#0	0.15~30	-59.11	PASS
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-62.21	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~20000	-33.16	PASS
Band41	5MHz	QPSK	39675	1RB#0	20000~27000	-35.41	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.009~0.15	-67.68	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.15~30	-62.14	PASS
Band41	5MHz	16QAM	39675	1RB#0	30~1000	-61.96	PASS
Band41	5MHz	16QAM	39675	1RB#0	1000~20000	-33.30	PASS
Band41	5MHz	16QAM	39675	1RB#0	20000~27000	-35.21	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.009~0.15	-68.14	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.15~30	-59.34	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-62.23	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~20000	-33.47	PASS
Band41	5MHz	QPSK	40620	1RB#0	20000~27000	-35.51	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.009~0.15	-66.93	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.15~30	-61.96	PASS
Band41	5MHz	16QAM	40620	1RB#0	30~1000	-62.36	PASS
Band41	5MHz	16QAM	40620	1RB#0	1000~20000	-33.20	PASS
Band41	5MHz	16QAM	40620	1RB#0	20000~27000	-35.01	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.009~0.15	-67.52	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.15~30	-62.83	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-62.44	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~20000	-33.05	PASS
Band41	5MHz	QPSK	41565	1RB#0	20000~27000	-34.64	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.009~0.15	-65.80	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.15~30	-60.44	PASS
Band41	5MHz	16QAM	41565	1RB#0	30~1000	-62.24	PASS
Band41	5MHz	16QAM	41565	1RB#0	1000~20000	-33.33	PASS
Band41	5MHz	16QAM	41565	1RB#0	20000~27000	-35.10	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.009~0.15	-67.05	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.15~30	-62.66	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-62.22	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~20000	-33.10	PASS



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Band41	10MHz	QPSK	39700	1RB#0	20000~27000	-35.25	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.009~0.15	-64.94	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.15~30	-61.15	PASS
Band41	10MHz	16QAM	39700	1RB#0	30~1000	-62.30	PASS
Band41	10MHz	16QAM	39700	1RB#0	1000~20000	-33.20	PASS
Band41	10MHz	16QAM	39700	1RB#0	20000~27000	-35.25	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.009~0.15	-64.42	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.15~30	-62.29	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-61.87	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~20000	-33.04	PASS
Band41	10MHz	QPSK	40620	1RB#0	20000~27000	-35.17	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.009~0.15	-68.78	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.15~30	-59.81	PASS
Band41	10MHz	16QAM	40620	1RB#0	30~1000	-62.04	PASS
Band41	10MHz	16QAM	40620	1RB#0	1000~20000	-33.26	PASS
Band41	10MHz	16QAM	40620	1RB#0	20000~27000	-35.24	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.009~0.15	-67.51	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.15~30	-60.33	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-62.09	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~20000	-33.42	PASS
Band41	10MHz	QPSK	41540	1RB#0	20000~27000	-35.27	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.009~0.15	-67.70	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.15~30	-59.48	PASS
Band41	10MHz	16QAM	41540	1RB#0	30~1000	-62.40	PASS
Band41	10MHz	16QAM	41540	1RB#0	1000~20000	-33.24	PASS
Band41	10MHz	16QAM	41540	1RB#0	20000~27000	-35.03	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.009~0.15	-68.20	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.15~30	-59.48	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-62.14	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~20000	-33.52	PASS
Band41	15MHz	QPSK	39725	1RB#0	20000~27000	-35.27	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.009~0.15	-67.80	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.15~30	-62.57	PASS
Band41	15MHz	16QAM	39725	1RB#0	30~1000	-62.20	PASS
Band41	15MHz	16QAM	39725	1RB#0	1000~20000	-33.10	PASS
Band41	15MHz	16QAM	39725	1RB#0	20000~27000	-35.16	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.009~0.15	-67.92	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.15~30	-58.91	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-62.06	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~20000	-33.17	PASS



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Band41	15MHz	QPSK	40620	1RB#0	20000~27000	-35.33	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.009~0.15	-67.46	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.15~30	-61.34	PASS
Band41	15MHz	16QAM	40620	1RB#0	30~1000	-62.09	PASS
Band41	15MHz	16QAM	40620	1RB#0	1000~20000	-32.46	PASS
Band41	15MHz	16QAM	40620	1RB#0	20000~27000	-35.16	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.009~0.15	-68.48	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.15~30	-60.66	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-61.81	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~20000	-33.22	PASS
Band41	15MHz	QPSK	41515	1RB#0	20000~27000	-35.14	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.009~0.15	-69.19	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.15~30	-58.87	PASS
Band41	15MHz	16QAM	41515	1RB#0	30~1000	-61.67	PASS
Band41	15MHz	16QAM	41515	1RB#0	1000~20000	-33.43	PASS
Band41	15MHz	16QAM	41515	1RB#0	20000~27000	-35.04	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.009~0.15	-67.77	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.15~30	-58.62	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-62.13	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~20000	-33.33	PASS
Band41	20MHz	QPSK	39750	1RB#0	20000~27000	-35.19	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.009~0.15	-67.51	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.15~30	-61.16	PASS
Band41	20MHz	16QAM	39750	1RB#0	30~1000	-61.97	PASS
Band41	20MHz	16QAM	39750	1RB#0	1000~20000	-33.02	PASS
Band41	20MHz	16QAM	39750	1RB#0	20000~27000	-35.30	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.009~0.15	-68.57	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.15~30	-61.39	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-61.83	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~20000	-32.80	PASS
Band41	20MHz	QPSK	40620	1RB#0	20000~27000	-35.29	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.009~0.15	-66.01	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.15~30	-59.55	PASS
Band41	20MHz	16QAM	40620	1RB#0	30~1000	-62.20	PASS
Band41	20MHz	16QAM	40620	1RB#0	1000~20000	-32.88	PASS
Band41	20MHz	16QAM	40620	1RB#0	20000~27000	-35.12	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.009~0.15	-67.45	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.15~30	-59.22	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-62.47	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~20000	-33.23	PASS



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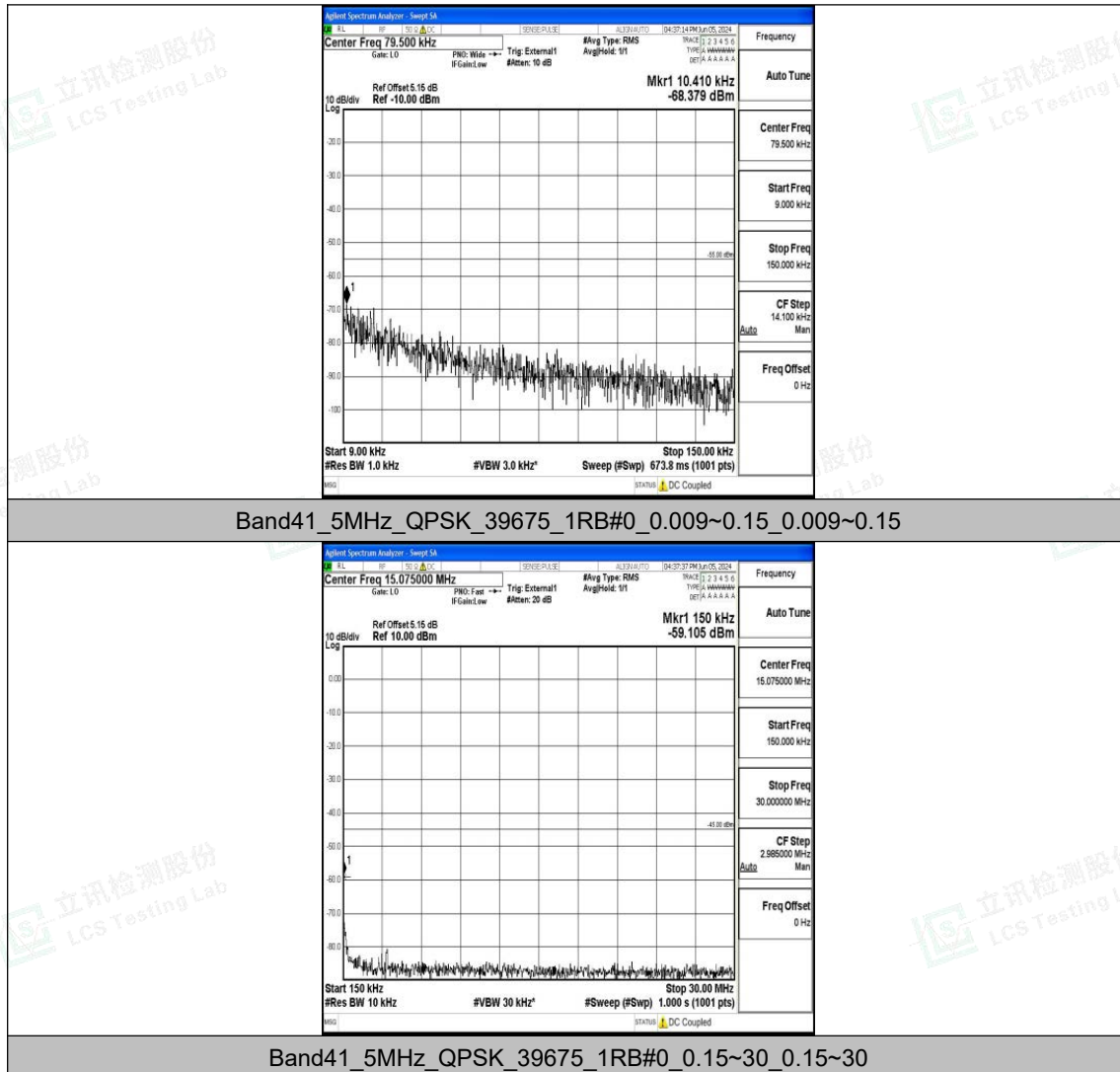
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Band41	20MHz	QPSK	41490	1RB#0	20000~27000	-35.42	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.009~0.15	-67.03	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.15~30	-60.39	PASS
Band41	20MHz	16QAM	41490	1RB#0	30~1000	-62.08	PASS
Band41	20MHz	16QAM	41490	1RB#0	1000~20000	-32.63	PASS
Band41	20MHz	16QAM	41490	1RB#0	20000~27000	-35.05	PASS

Test Graphs

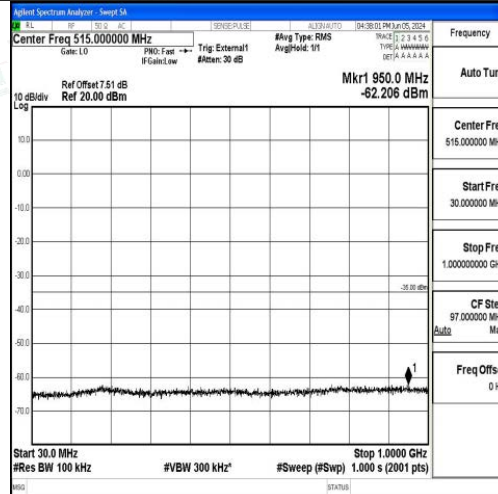


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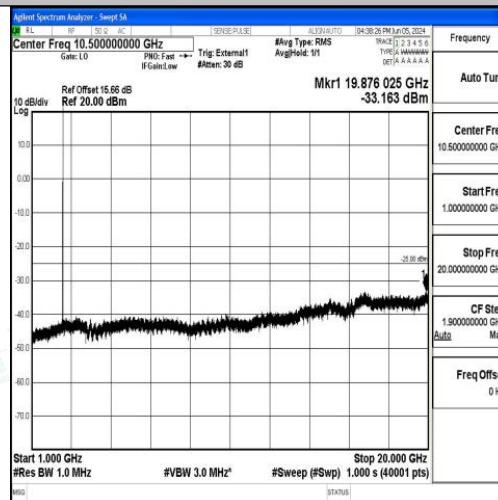
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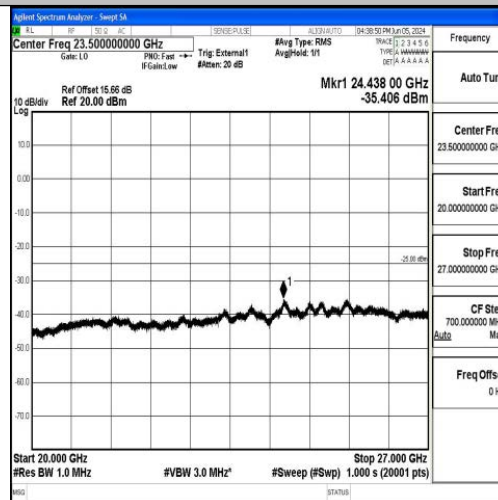
Scan code to check authenticity



Band41_5MHz_QPSK_39675_1RB#0_30~1000_30~1000



Band41_5MHz_QPSK_39675_1RB#0_1000~20000_1000~20000



Band41_5MHz_QPSK_39675_1RB#0_20000~27000_20000~27000

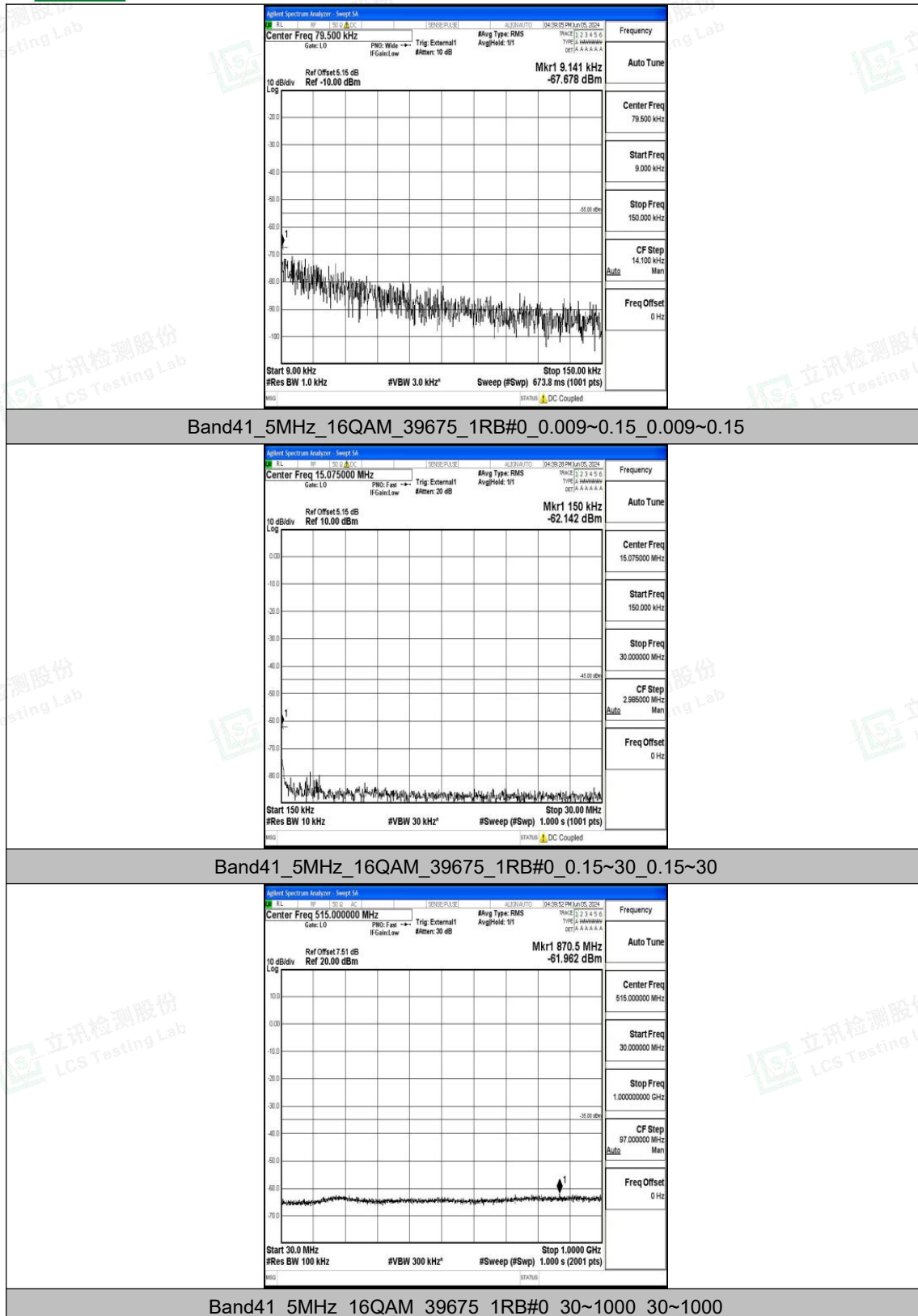


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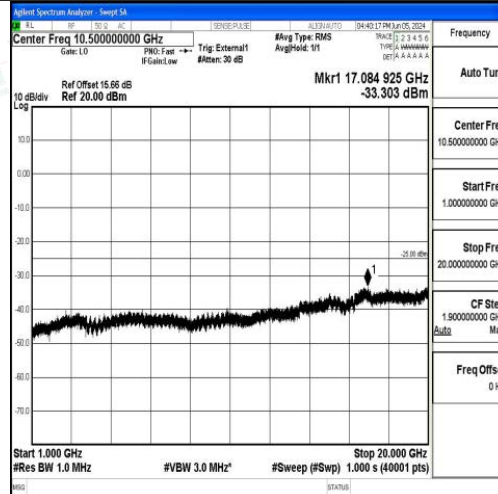


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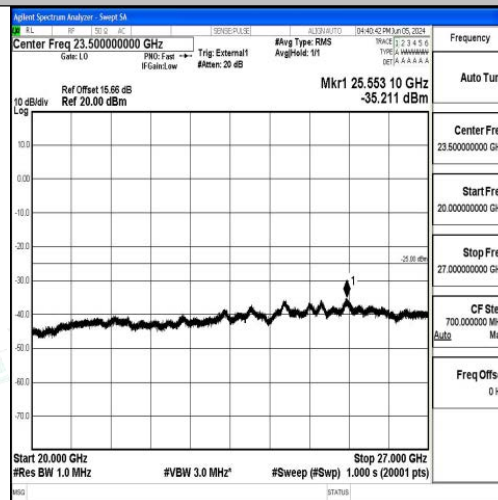
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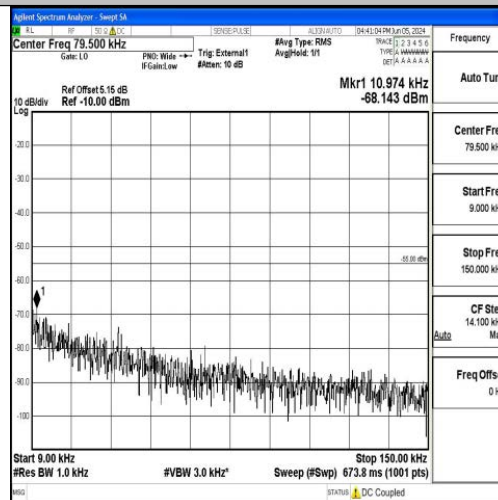
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Band41_5MHz_16QAM_39675_1RB#0_1000~20000_1000~20000



Band41_5MHz_16QAM_39675_1RB#0_20000~27000_20000~27000



Band41_5MHz_QPSK_40620_1RB#0_0.009~0.15_0.009~0.15

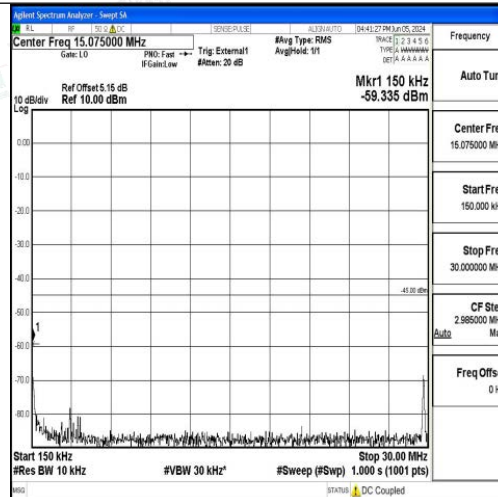


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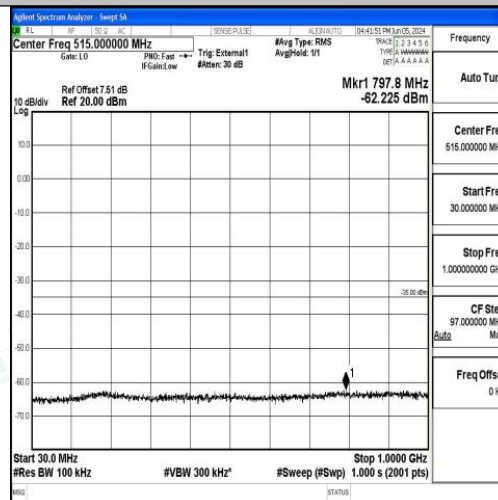
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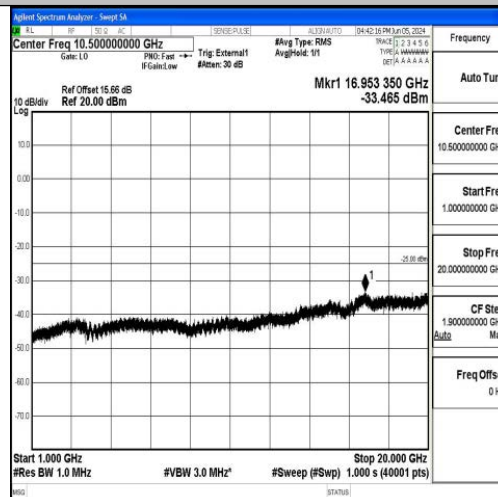
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Band41_5MHz_QPSK_40620_1RB#0_0.15~30_0.15~30



Band41_5MHz_QPSK_40620_1RB#0_30~1000_30~1000



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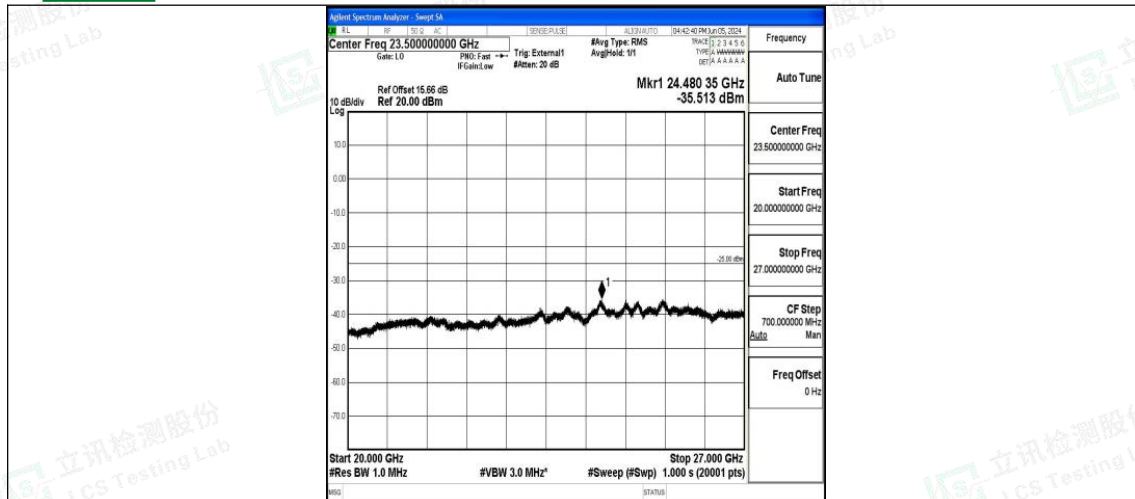


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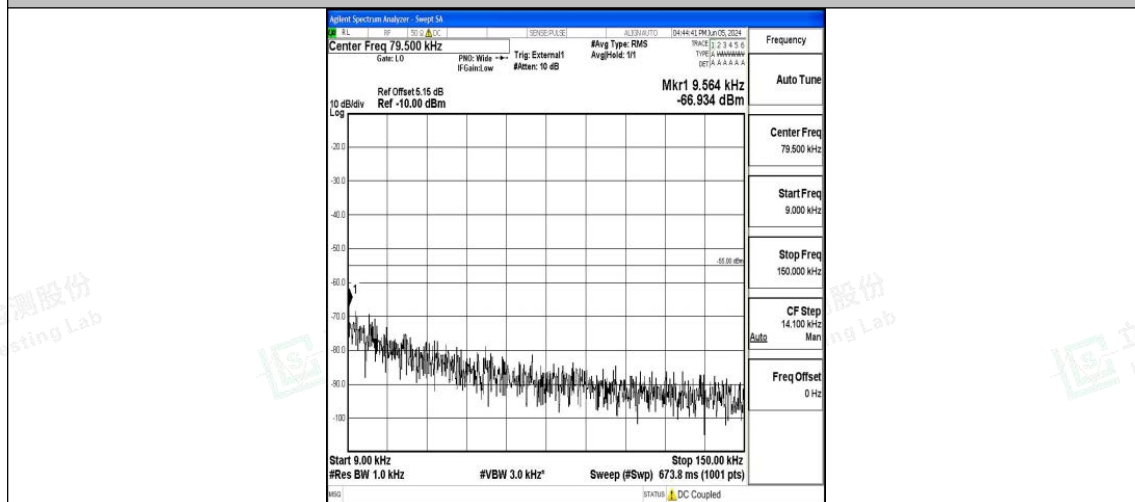
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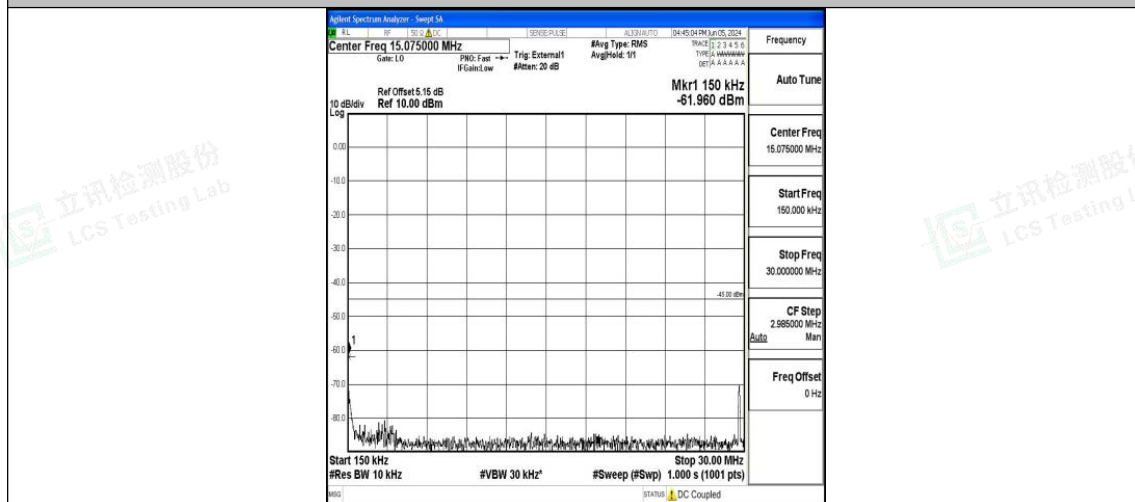
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Band41_5MHz_16QAM_40620_1RB#0_0.009~0.15_0.009~0.15



Band41_5MHz_16QAM_40620_1RB#0_0.15~30_0.15~30

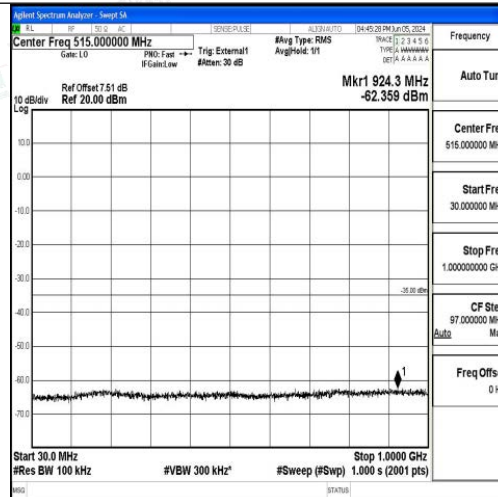


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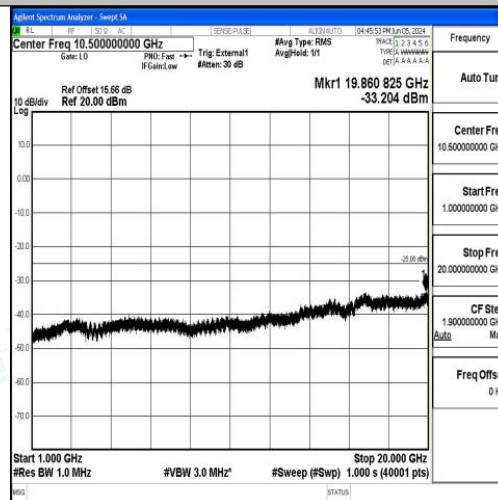
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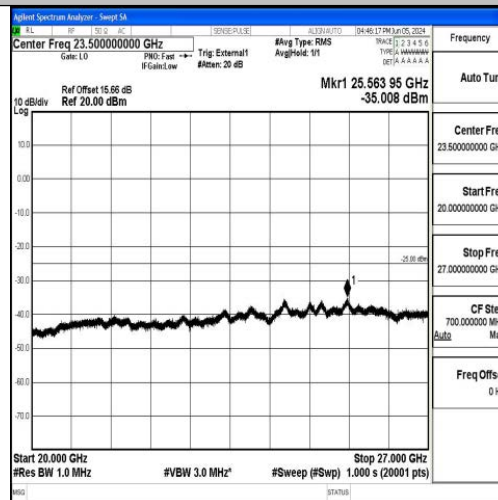
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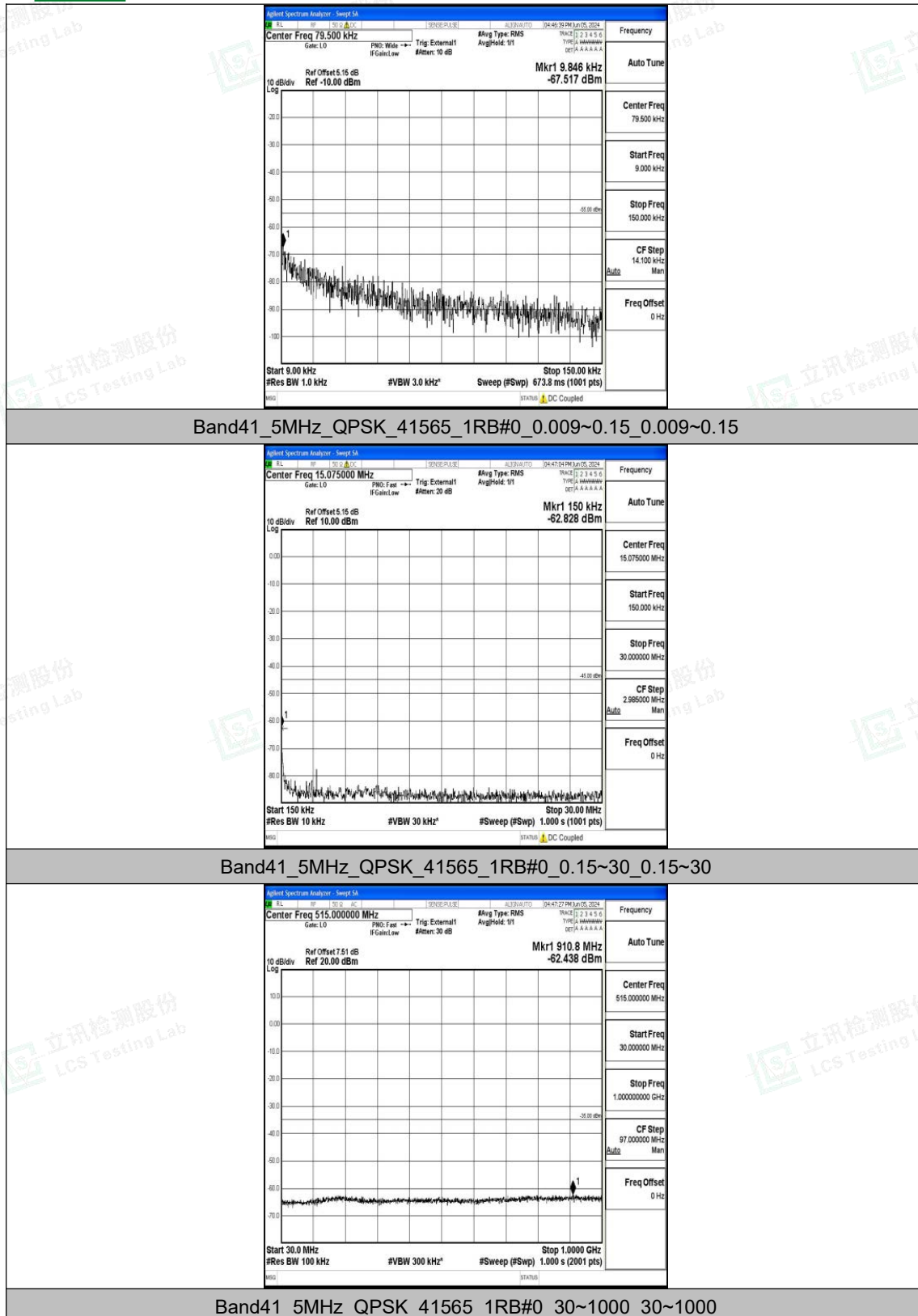


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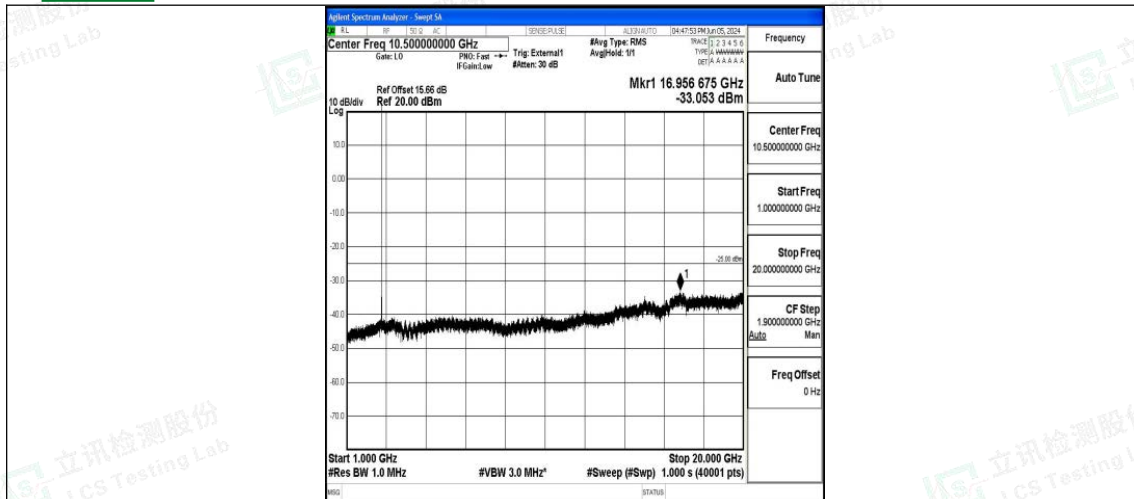


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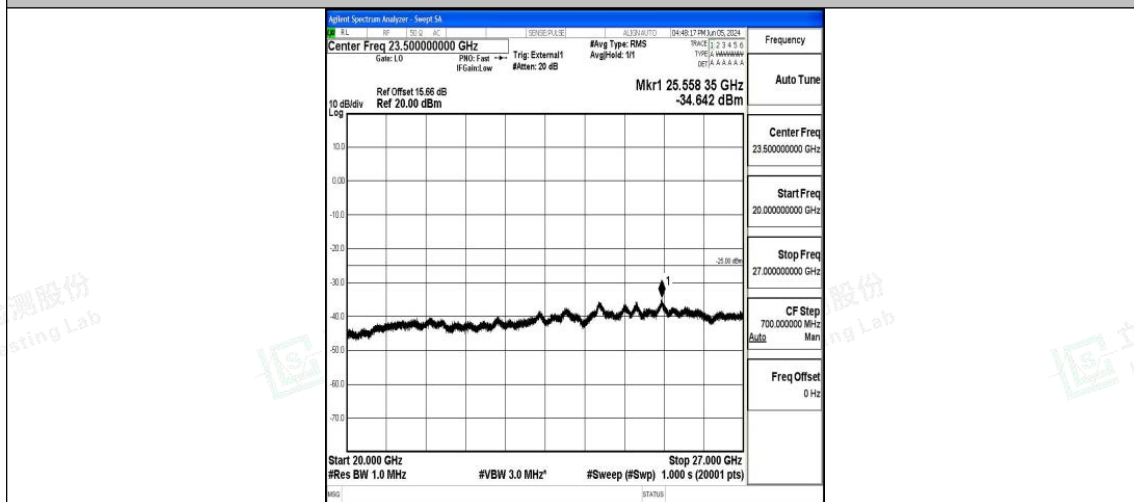
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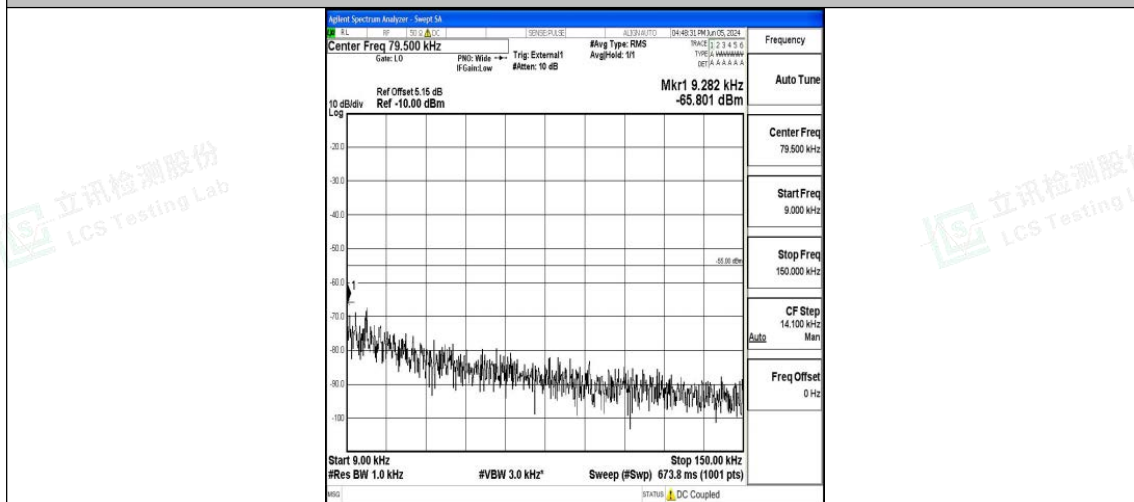
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Band41_5MHz_QPSK_41565_1RB#0_1000~20000_1000~20000



Band41_5MHz_QPSK_41565_1RB#0_20000~27000_20000~27000



Band41_5MHz_16QAM_41565_1RB#0_0.009~0.15_0.009~0.15

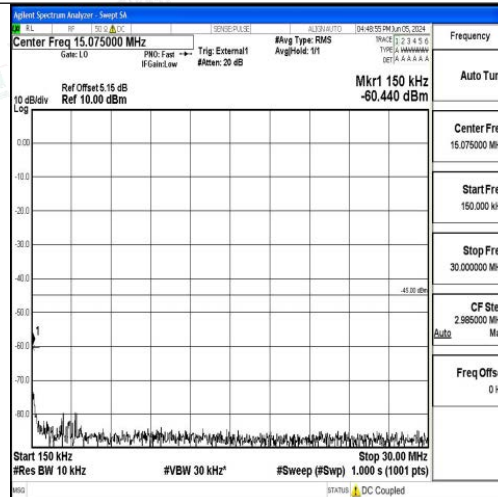


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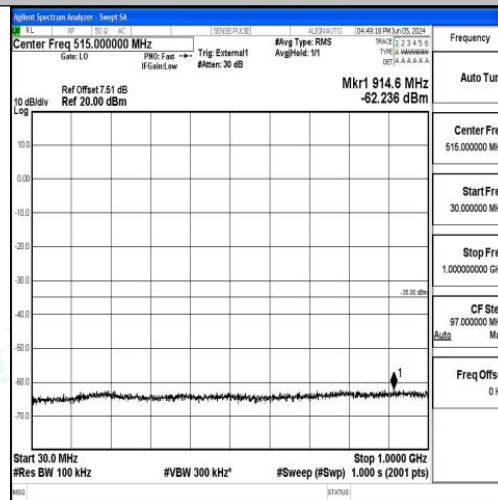
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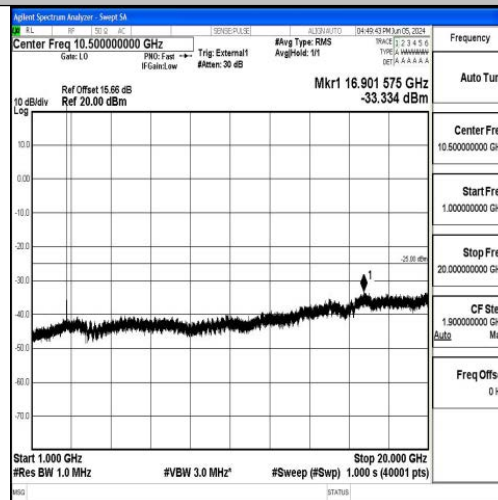
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Band41_5MHz_16QAM_41565_1RB#0_0.15~30_0.15~30



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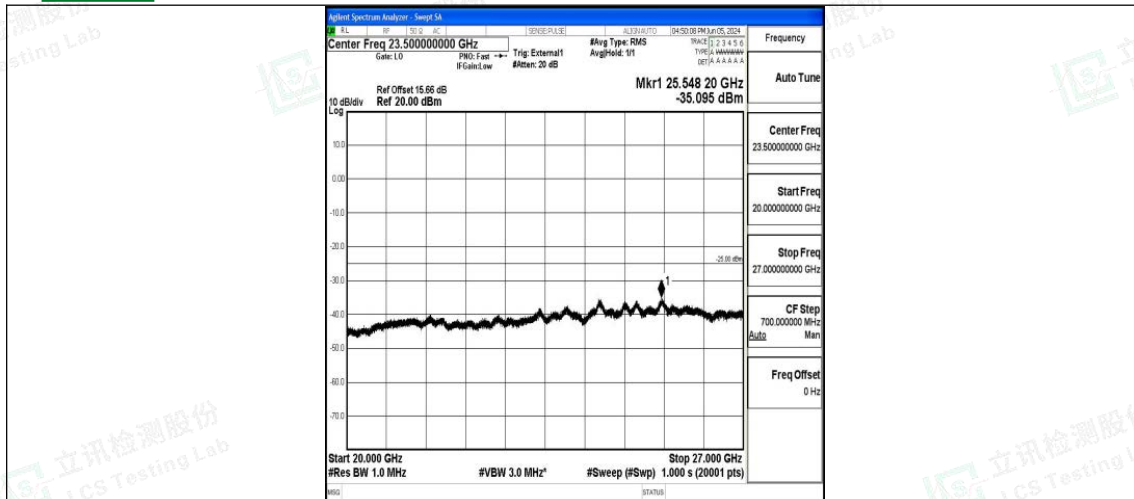


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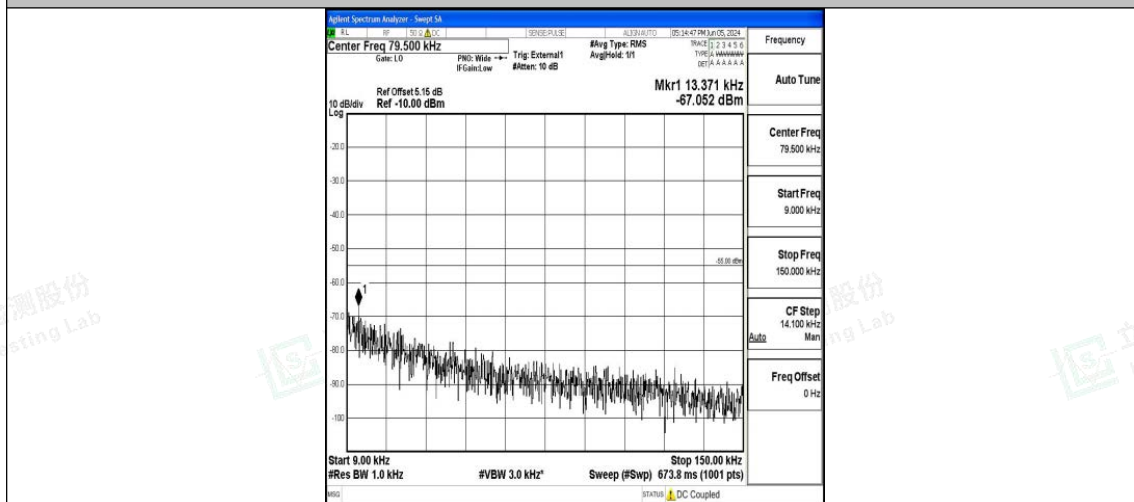
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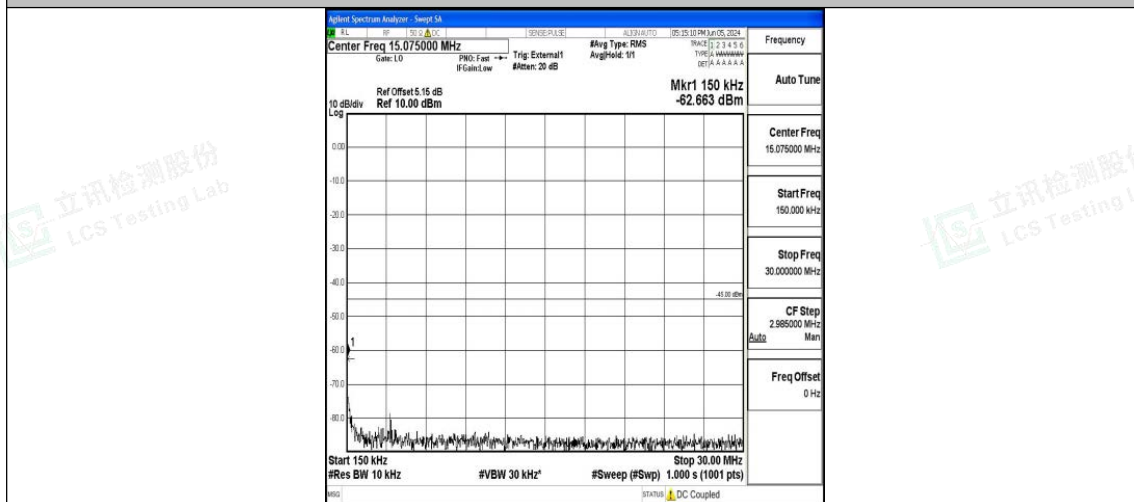
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Band41_5MHz_16QAM_41565_1RB#0_20000~27000_20000~27000



Band41_10MHz_QPSK_39700_1RB#0_0.009~0.15_0.009~0.15



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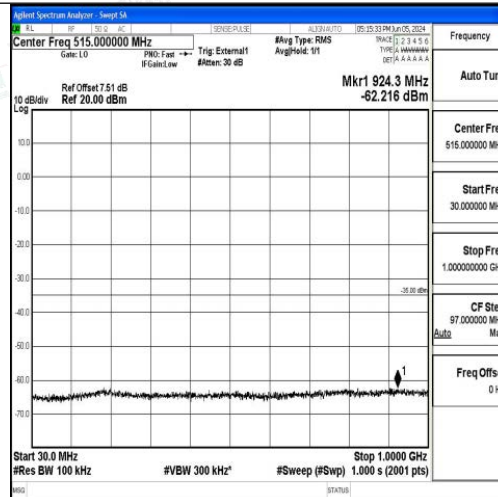


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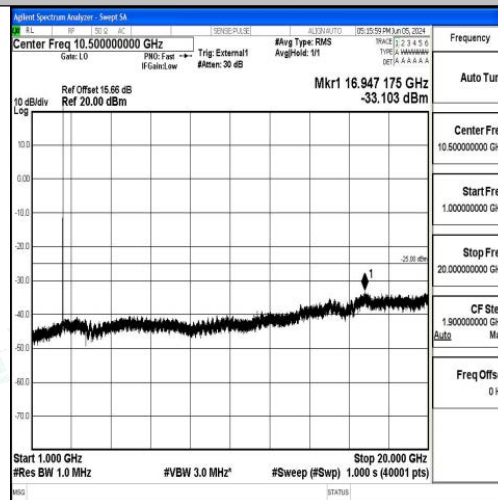
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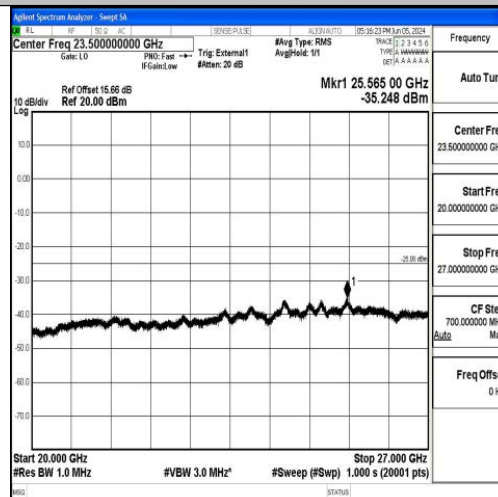
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Band41_10MHz_QPSK_39700_1RB#0_30~1000_30~1000



Band41_10MHz_QPSK_39700_1RB#0_1000~20000_1000~20000



Band41_10MHz_QPSK_39700_1RB#0_20000~27000_20000~27000



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