



Appendix B: Test Data for E-UTRA Band 5

Product Name: Handheld 3D Laser Scanner brochure

Test Model: RobotSLAM

Environmental Conditions

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





B.1 Conducted Output Power Data Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.43	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.34	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.34	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.25	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.51	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.30	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.52	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.27	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.50	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.27	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.60	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.63	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.47	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.34	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.31	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.54	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.29	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.60	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.40	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.61	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.42	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.62	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.37	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.71	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.67	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.50	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.50	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.48	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.34	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.61	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.37	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.60	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.40	PASS



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Scan code to check authenticity



Band5	1.4MHz	QPSK	20643	3RB#3	23.56	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.31	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.69	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.67	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.21	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.15	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.29	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.28	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.13	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.12	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.37	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.40	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.40	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.38	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.42	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.38	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.37	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.43	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.34	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.21	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.52	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.28	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.38	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.14	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.52	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.51	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.49	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.50	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.48	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.57	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.55	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.44	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.32	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.08	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.49	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.20	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.31	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.14	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.60	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.55	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.62	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.58	PASS



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Band5	3MHz	QPSK	20635	8RB#7	22.56	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.49	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.57	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.43	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.54	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.47	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.62	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.51	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.50	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.42	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.41	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.46	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.47	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.41	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.49	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.43	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.46	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.57	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.65	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.59	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.76	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.78	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.70	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.72	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.66	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.63	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.63	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.65	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.63	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.73	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.66	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.68	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.68	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.53	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.83	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.65	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.64	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.48	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.71	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.62	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.61	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.70	PASS



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Band5	5MHz	QPSK	20625	12RB#13	22.56	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.57	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.69	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.65	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.57	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.52	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.54	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.57	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.59	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.59	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.37	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.44	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.40	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.38	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.49	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.49	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.51	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.48	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.64	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.46	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.78	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.58	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.77	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.54	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.60	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.63	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.56	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.62	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.74	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.67	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.64	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.73	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.72	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.51	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.76	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.47	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.63	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.40	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.67	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.64	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.66	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.65	PASS



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Band5	10MHz	QPSK	20600	25RB#25	22.55	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.68	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.68	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.69	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.73	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.77	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.35	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.15	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.69	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.42	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.23	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.22	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.37	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.20	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.01	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.81	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.70	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.26	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.10	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.61	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.50	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.39	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.19	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.36	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.51	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.12	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.02	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.76	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.39	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.46	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.15	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.47	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.22	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.22	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.47	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.26	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.45	13	PASS



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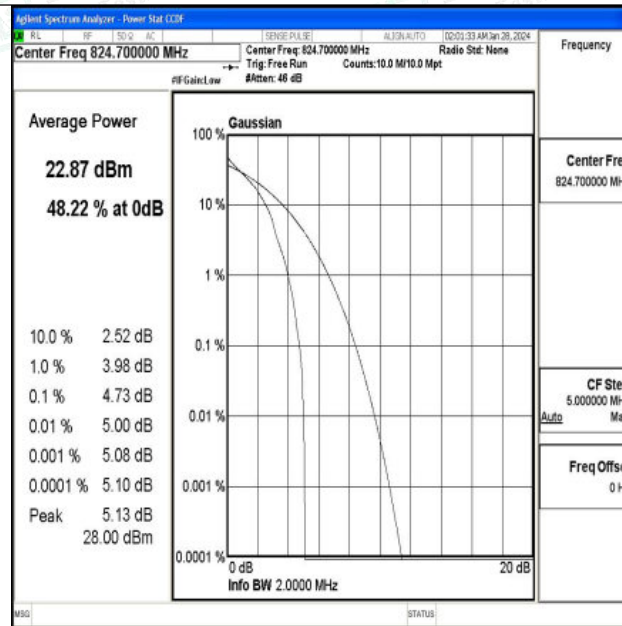


Band5	5MHz	16QAM	20625	25RB#0	6.16	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.57	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.48	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.23	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.16	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.24	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.71	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.87	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.44	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.24	13	PASS

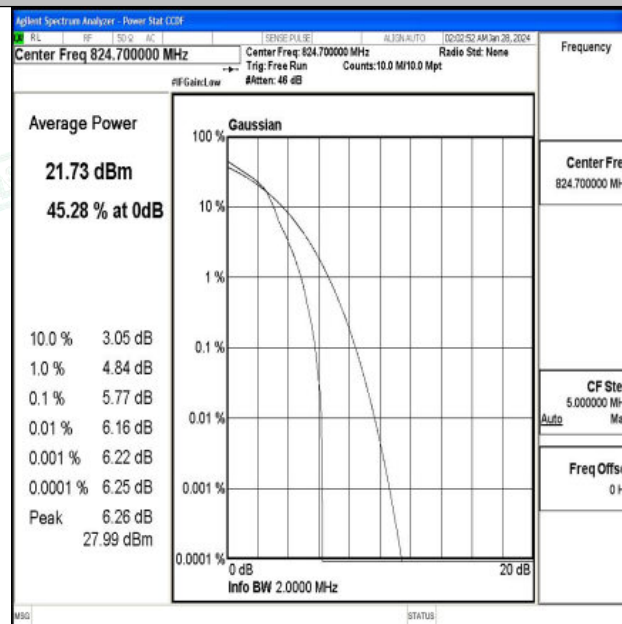




Test Graphs



Band5-1.4MHz-QPSK-20407-1RB#0-PASS



Band5-1.4MHz-16QAM-20407-1RB#0-PASS

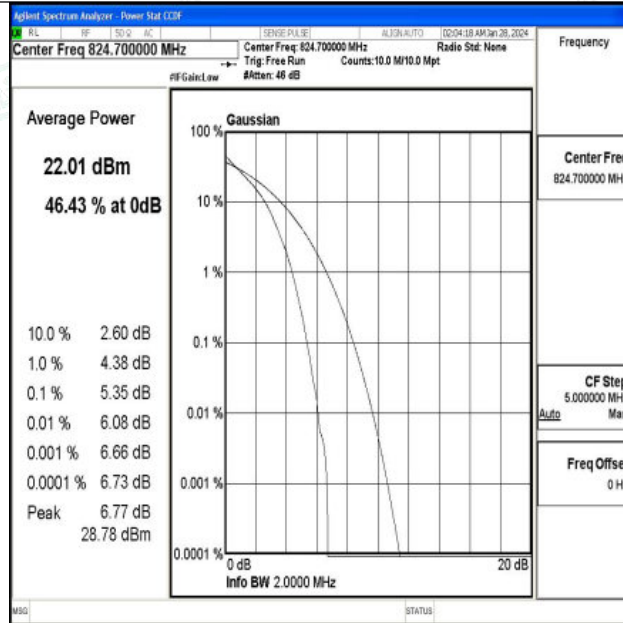


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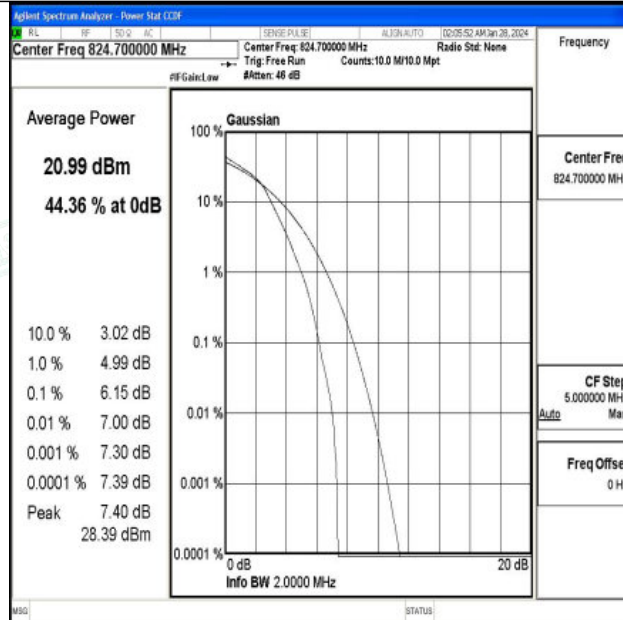
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Band5-1.4MHz-QPSK-20407-6RB#0-PASS



Band5-1.4MHz-16QAM-20407-6RB#0-PASS

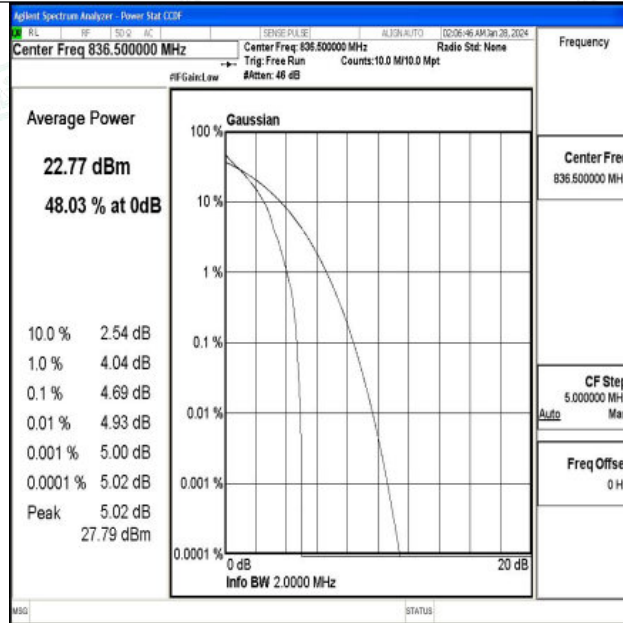


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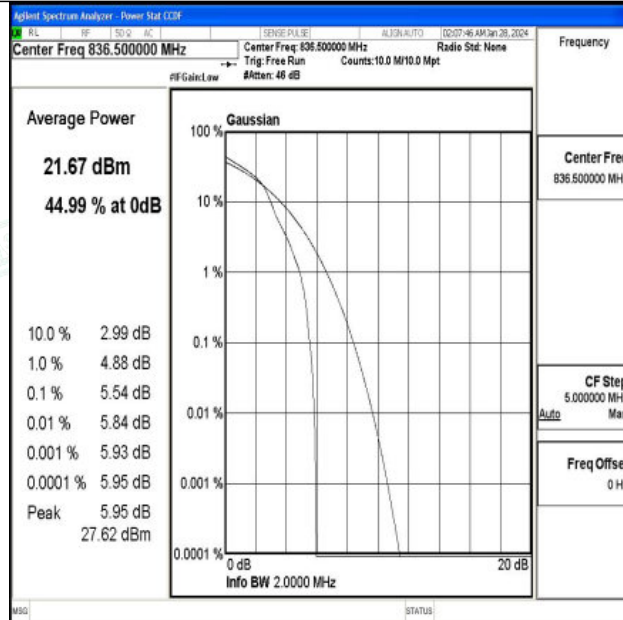
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Band5-1.4MHz-QPSK-20525-1RB#0-PASS



Band5-1.4MHz-16QAM-20525-1RB#0-PASS

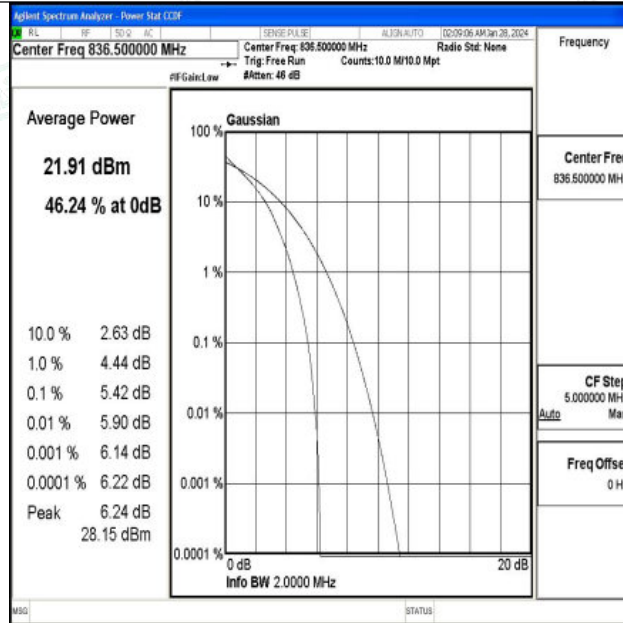


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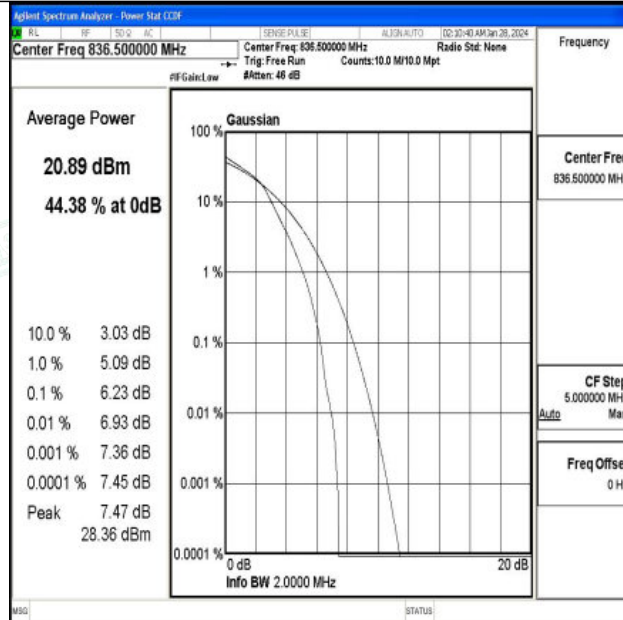
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Band5-1.4MHz-QPSK-20525-6RB#0-PASS



Band5-1.4MHz-16QAM-20525-6RB#0-PASS

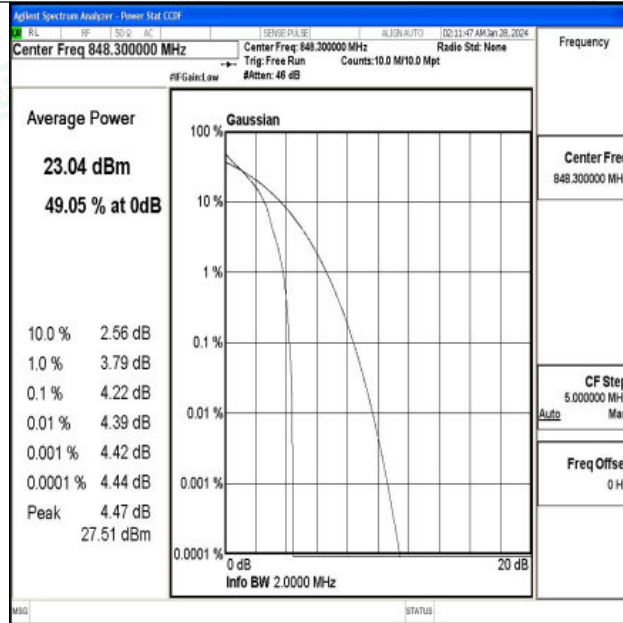


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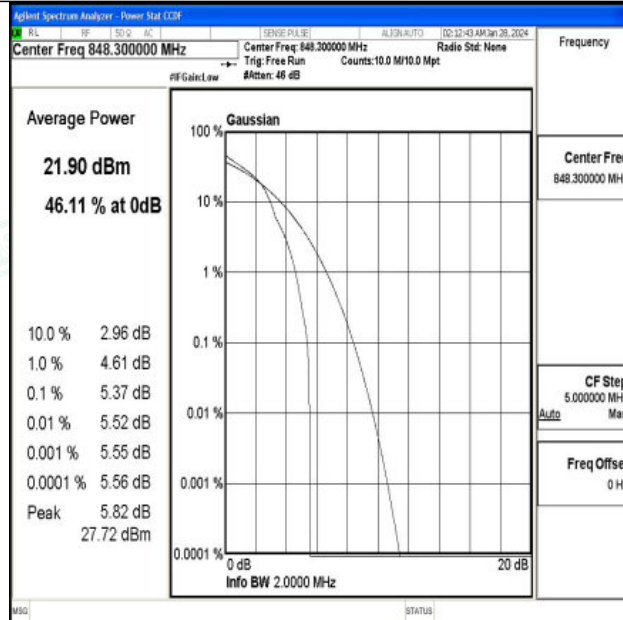
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Scan code to check authenticity



Band5-1.4MHz-QPSK-20643-1RB#0-PASS



Band5-1.4MHz-16QAM-20643-1RB#0-PASS

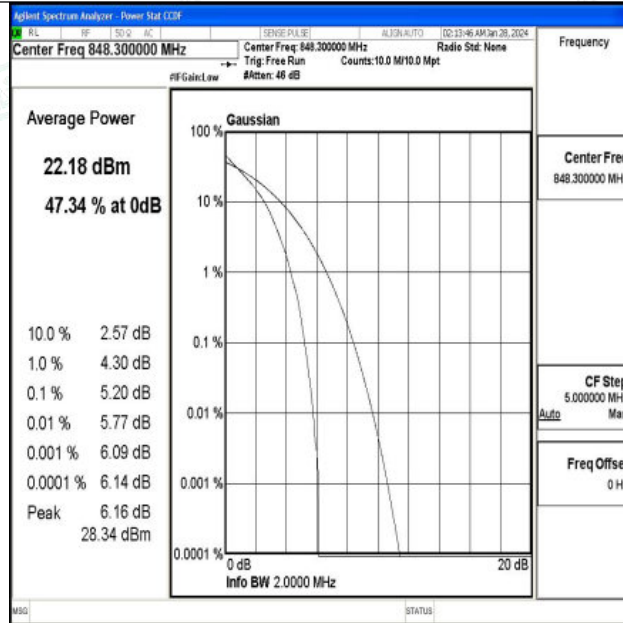


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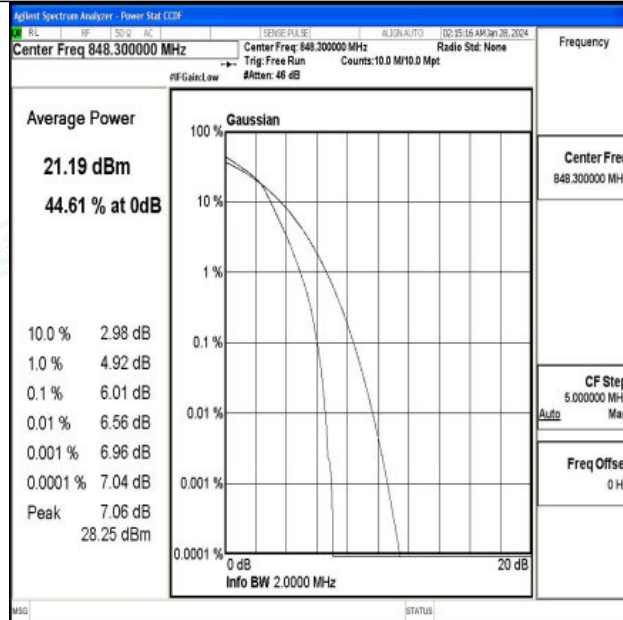
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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Band5-1.4MHz-QPSK-20643-6RB#0-PASS



Band5-1.4MHz-16QAM-20643-6RB#0-PASS

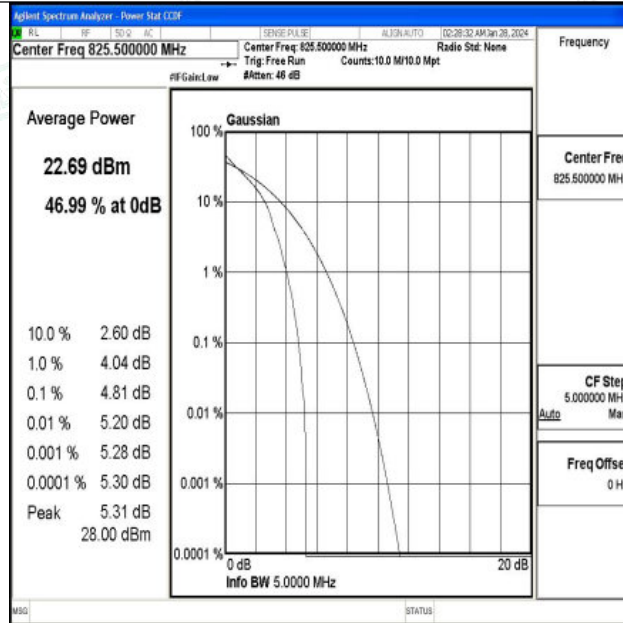


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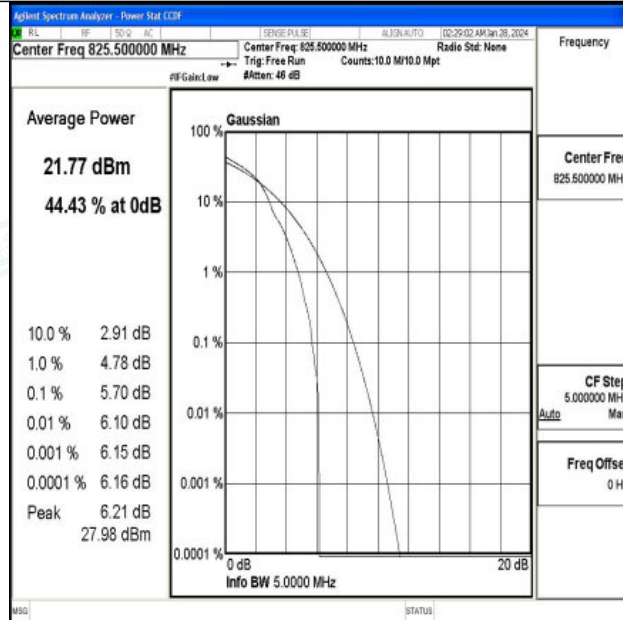
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Band5-3MHz-QPSK-20415-1RB#0-PASS



Band5-3MHz-16QAM-20415-1RB#0-PASS

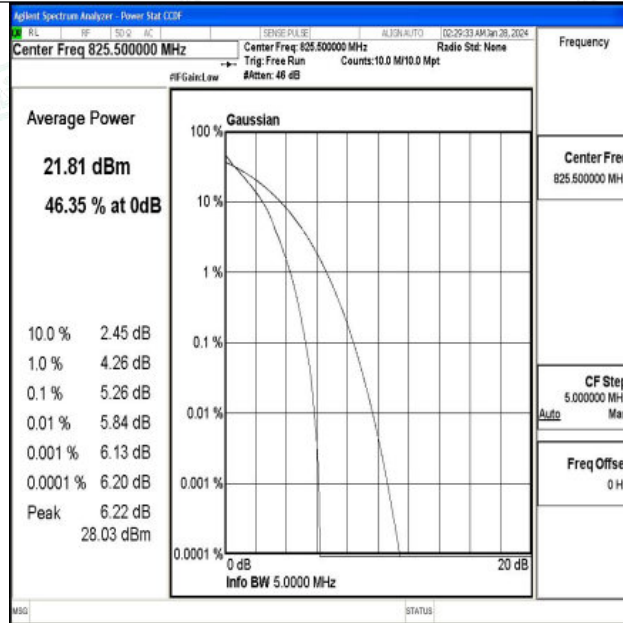


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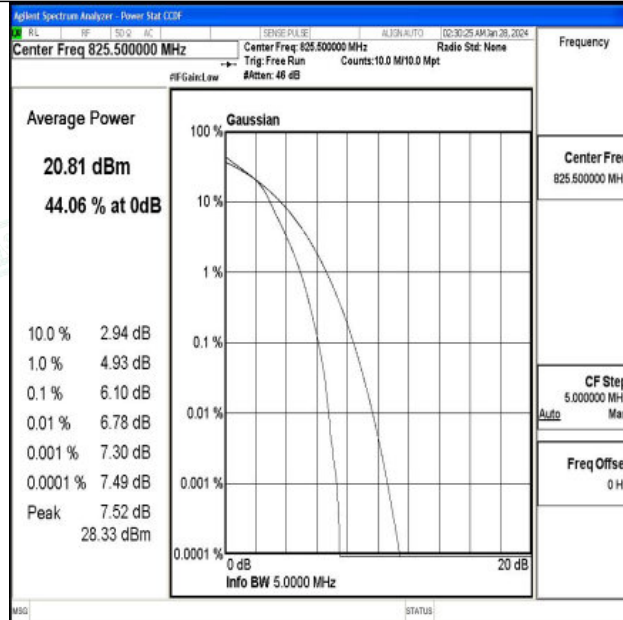
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Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS

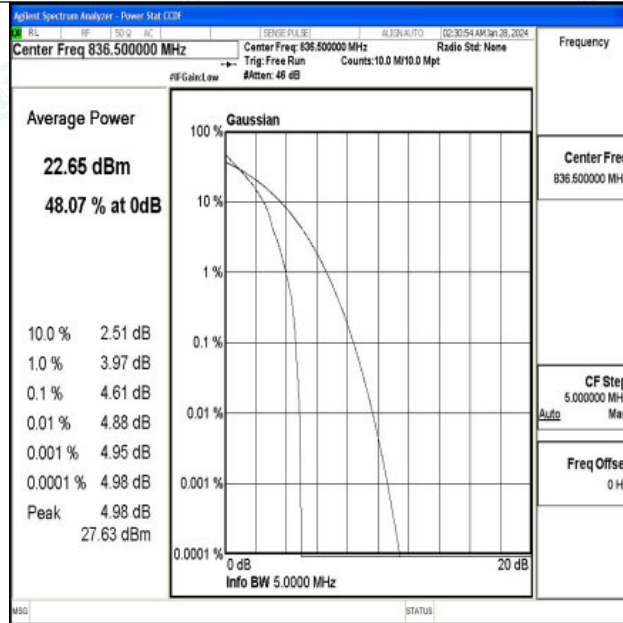


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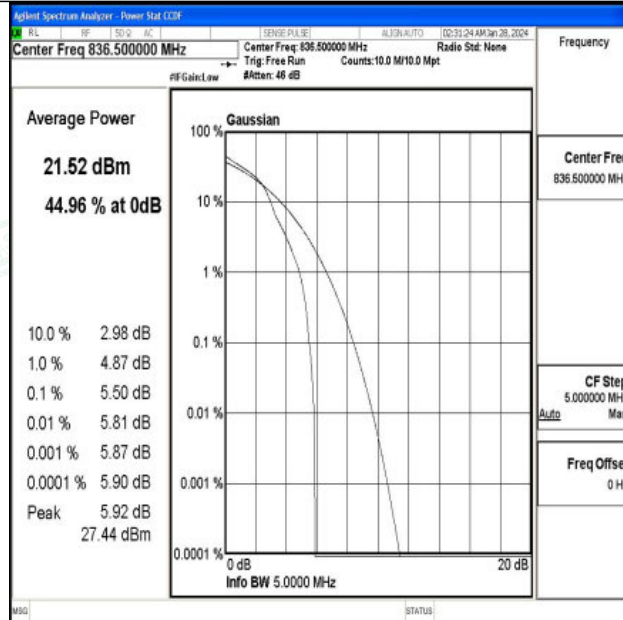
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Band5-3MHz-QPSK-20525-1RB#0-PASS



Band5-3MHz-16QAM-20525-1RB#0-PASS

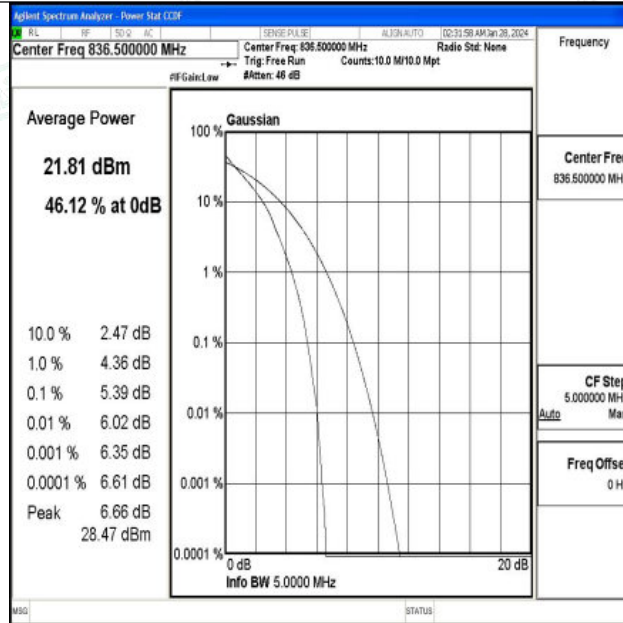


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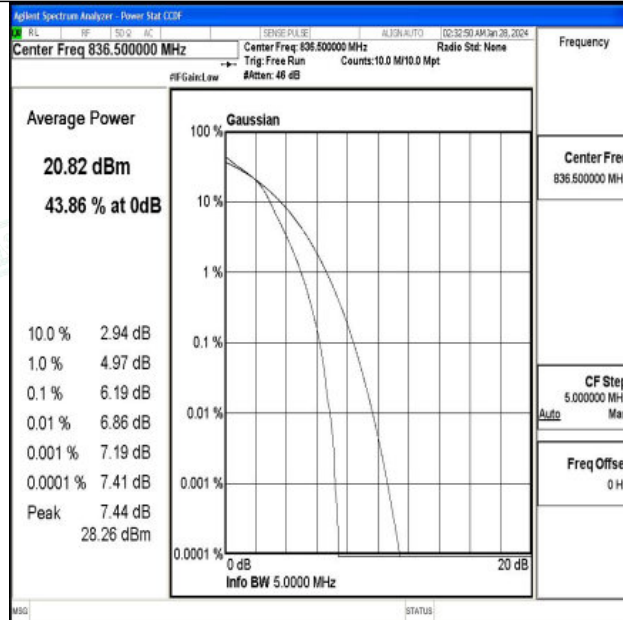
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Band5-3MHz-16QAM-20525-15RB#0-PASS

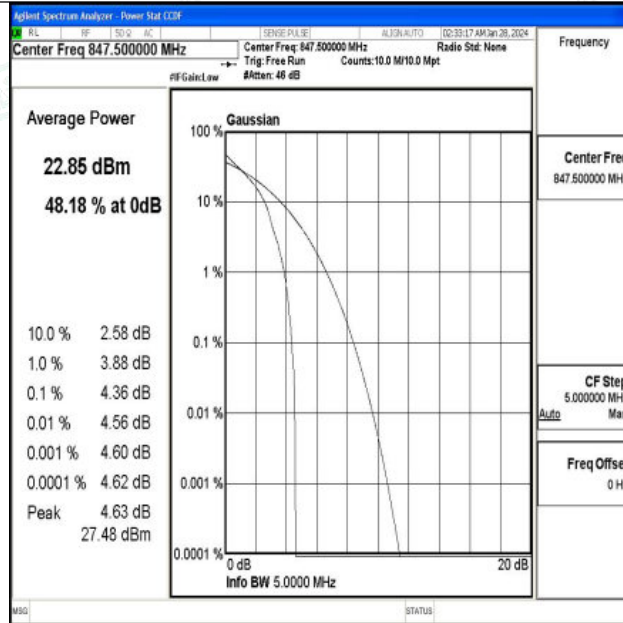


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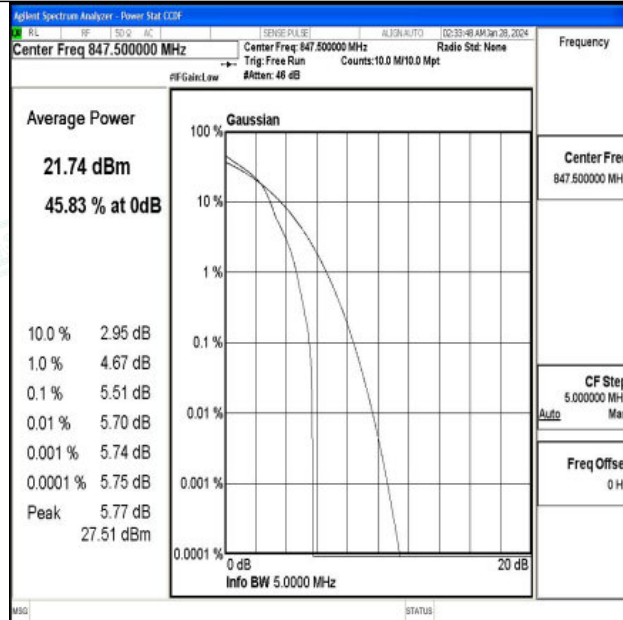
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Band5-3MHz-QPSK-20635-1RB#0-PASS



Band5-3MHz-16QAM-20635-1RB#0-PASS

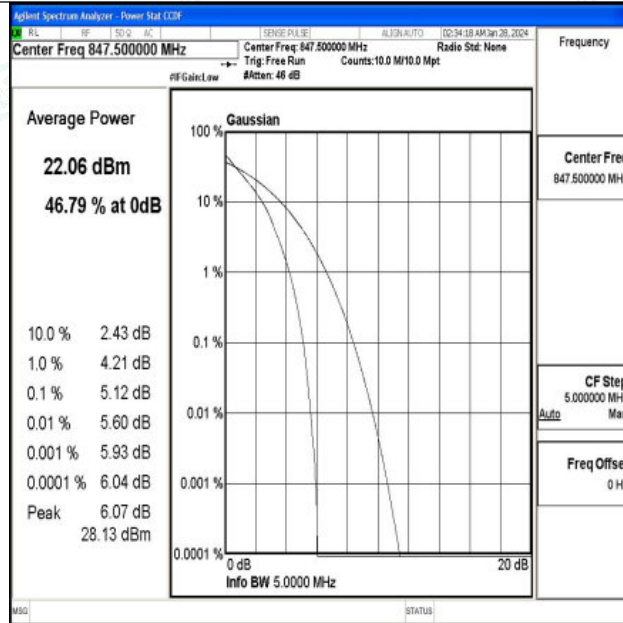


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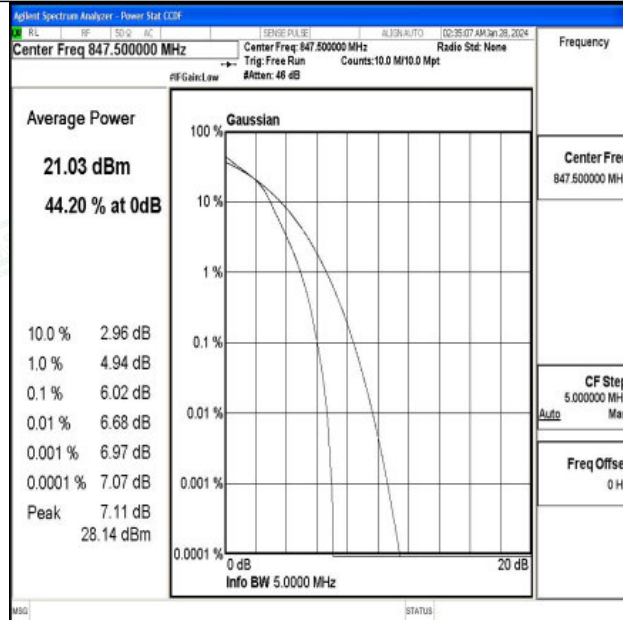
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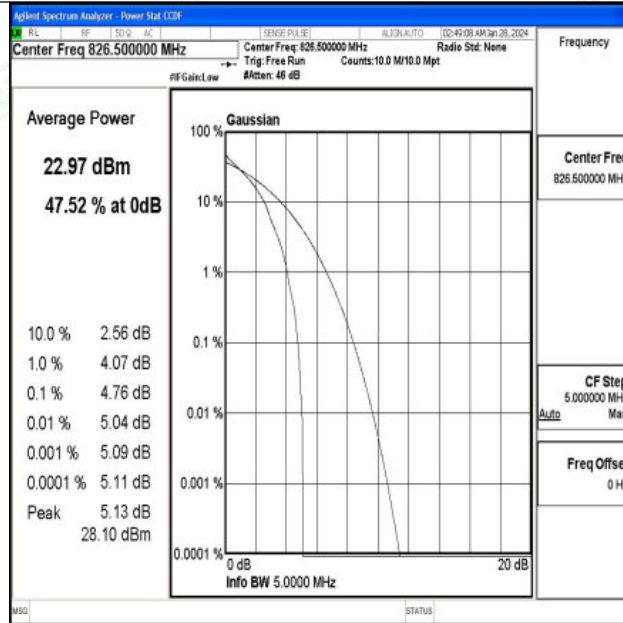


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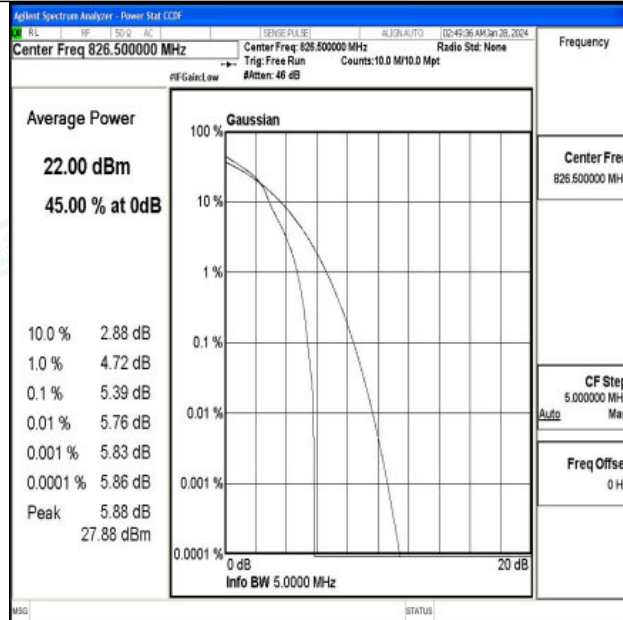
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Band5-5MHz-QPSK-20425-1RB#0-PASS



Band5-5MHz-16QAM-20425-1RB#0-PASS

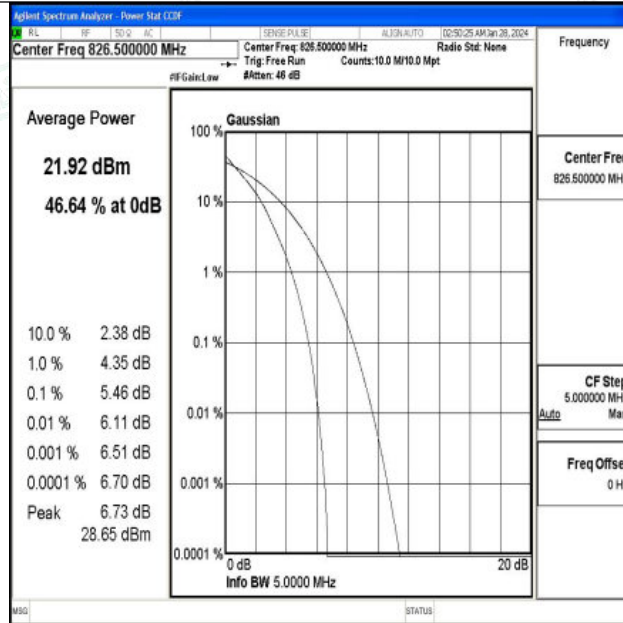


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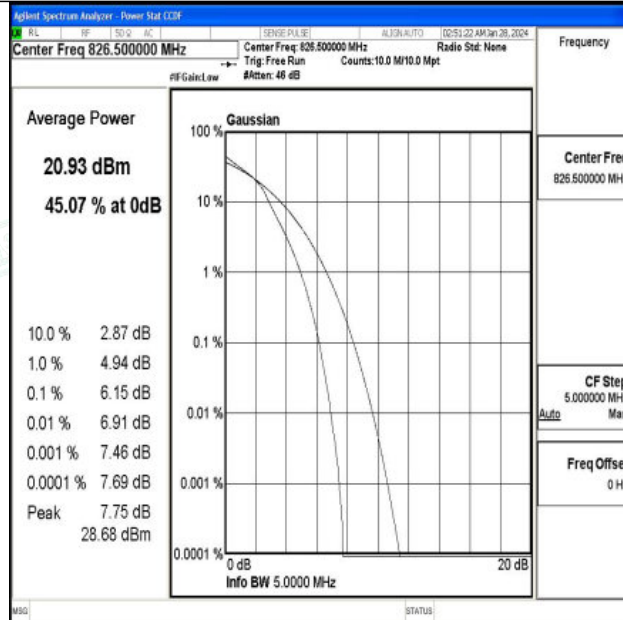
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Band5-5MHz-QPSK-20425-25RB#0-PASS



Band5-5MHz-16QAM-20425-25RB#0-PASS

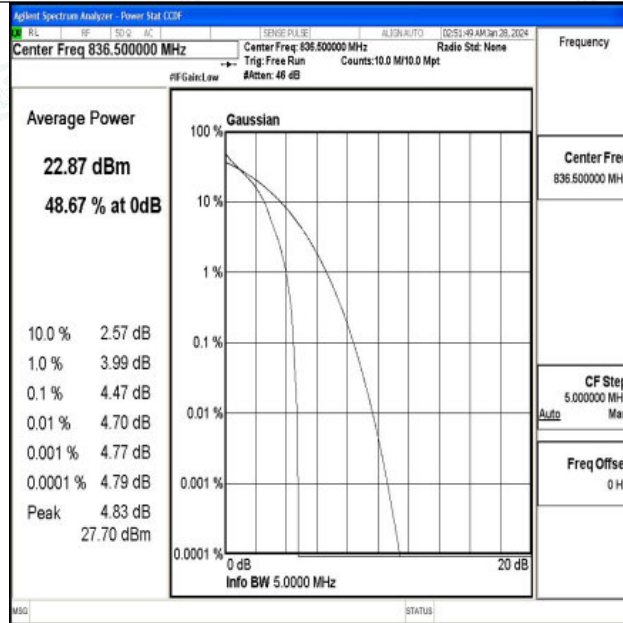


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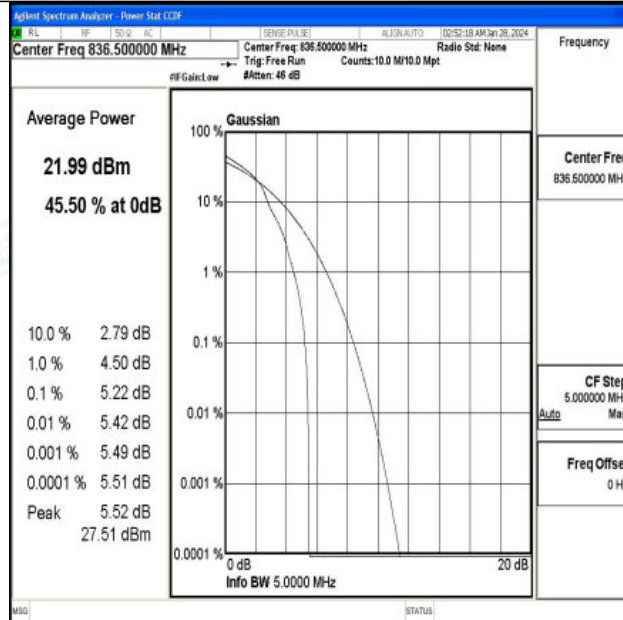
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Band5-5MHz-QPSK-20525-1RB#0-PASS



Band5-5MHz-16QAM-20525-1RB#0-PASS

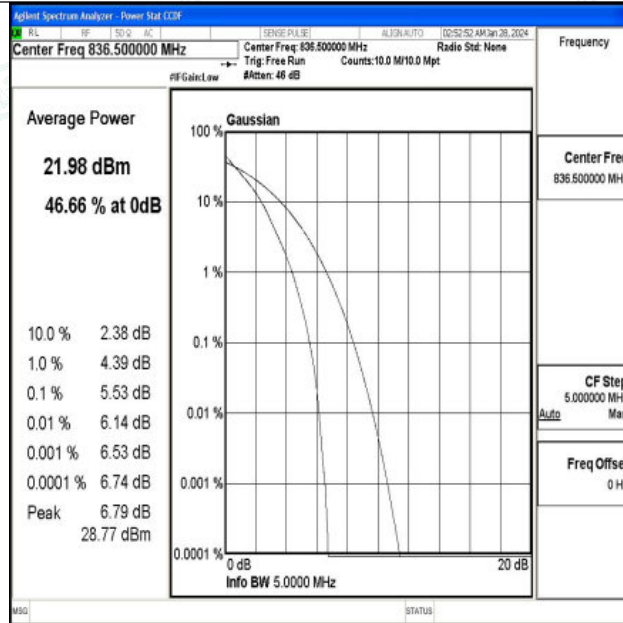


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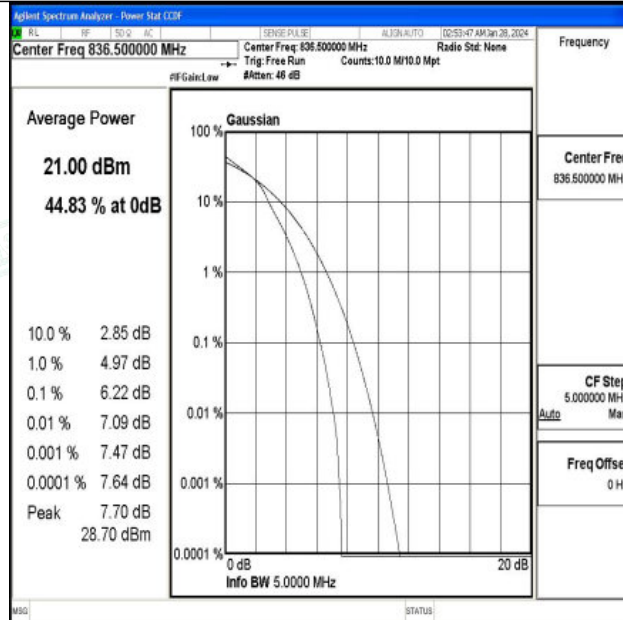
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Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS

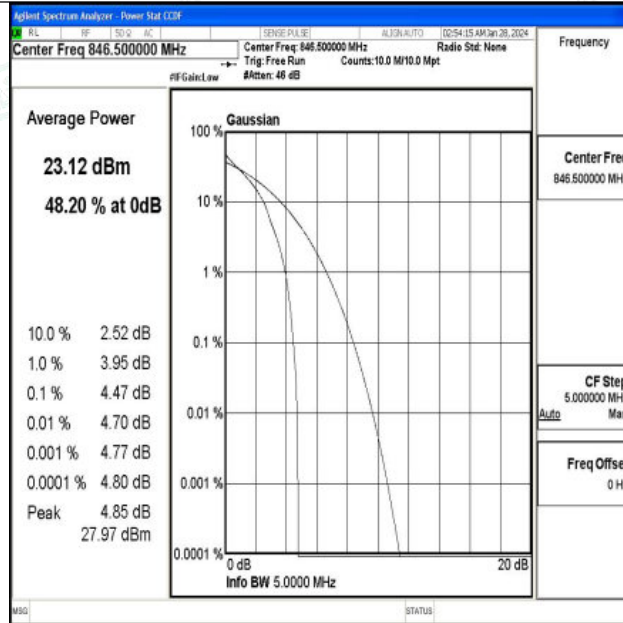


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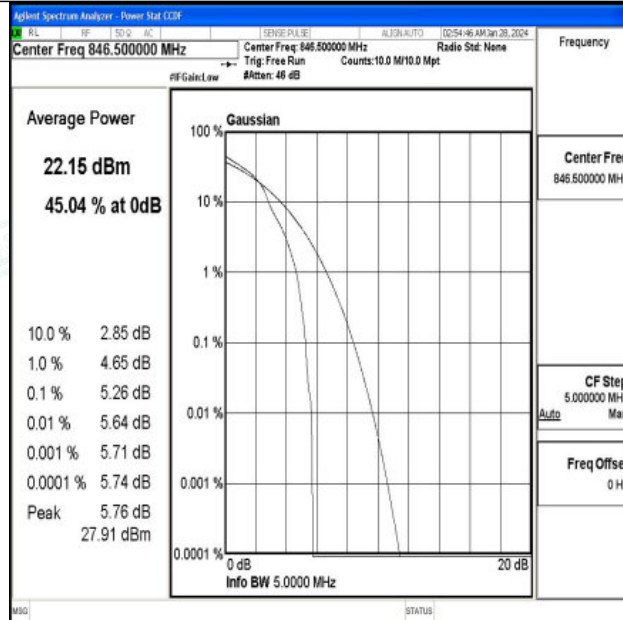
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Band5-5MHz-QPSK-20625-1RB#0-PASS



Band5-5MHz-16QAM-20625-1RB#0-PASS

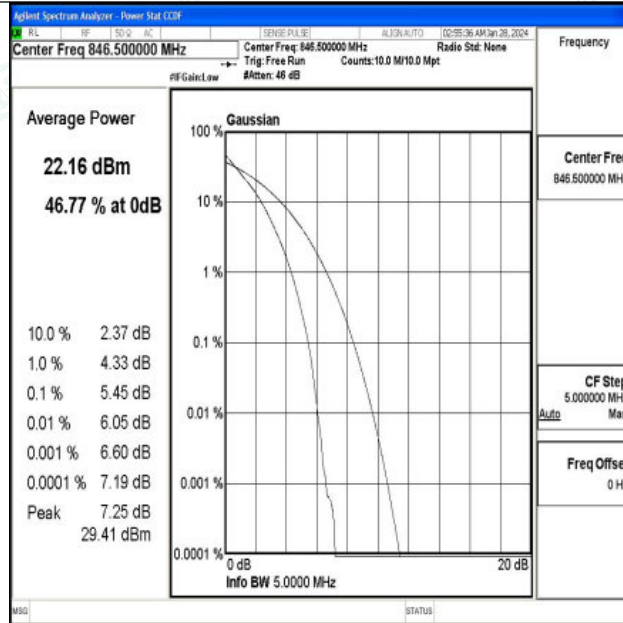


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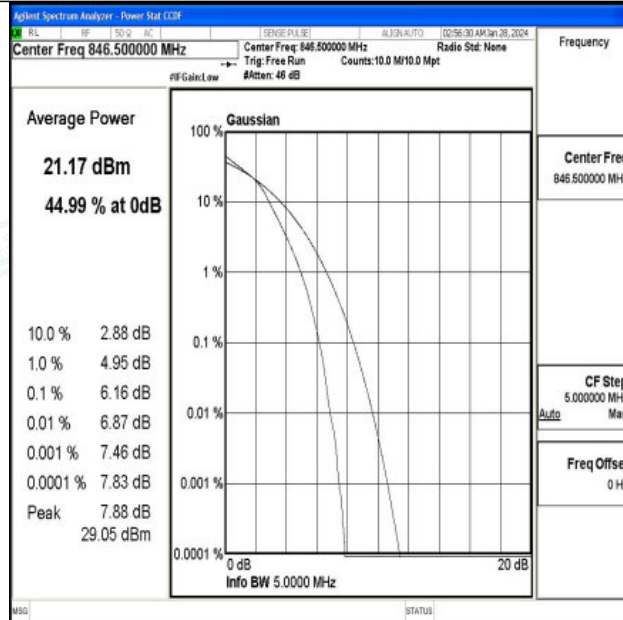
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Band5-5MHz-QPSK-20625-25RB#0-PASS



Band5-5MHz-16QAM-20625-25RB#0-PASS

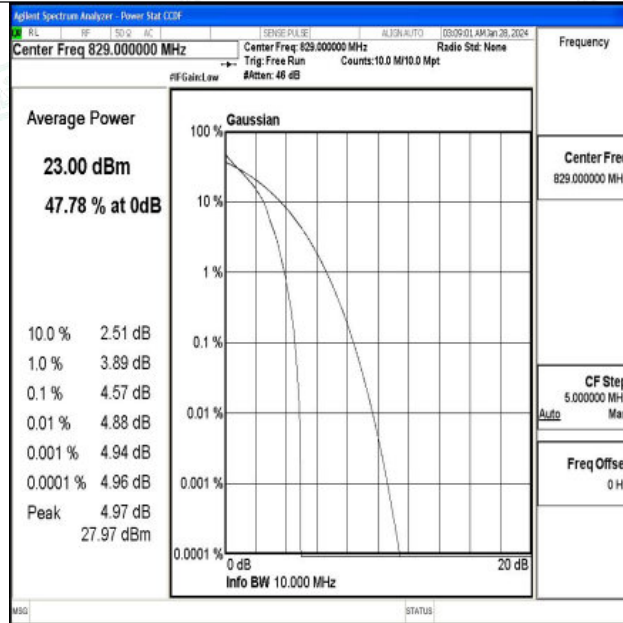


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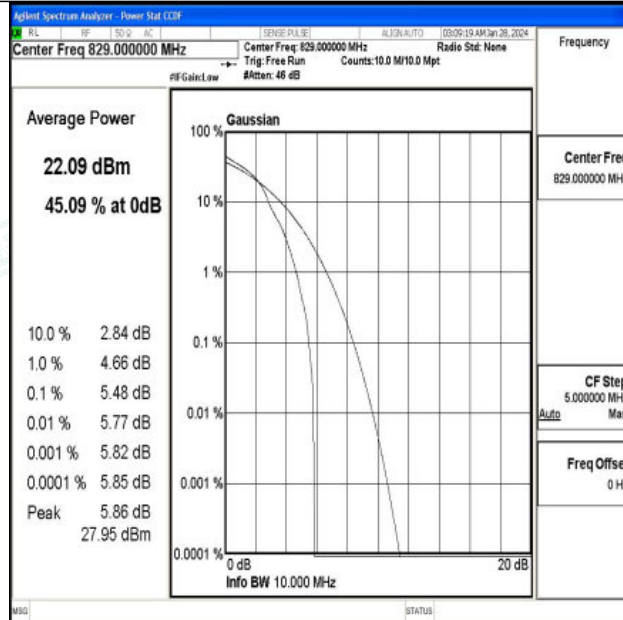
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Band5-10MHz-QPSK-20450-1RB#0-PASS



Band5-10MHz-16QAM-20450-1RB#0-PASS

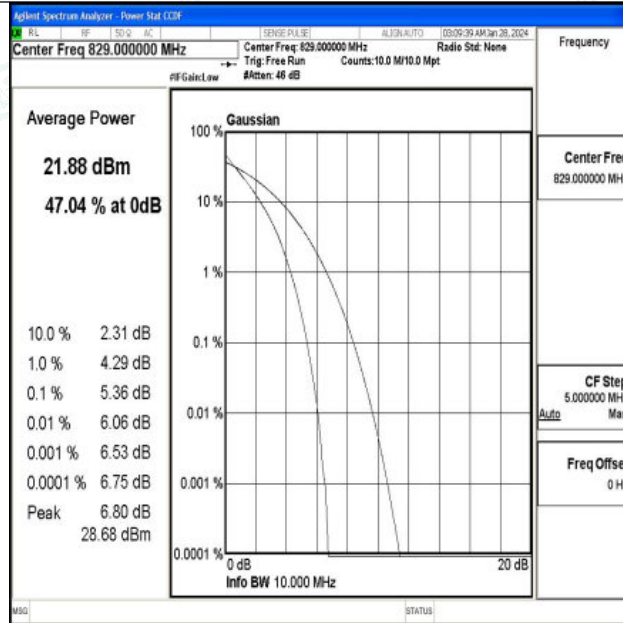


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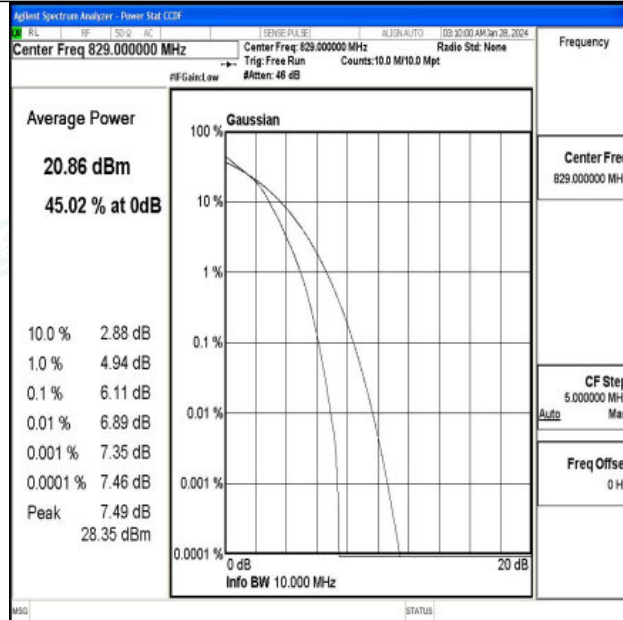
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Band5-10MHz-QPSK-20450-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS

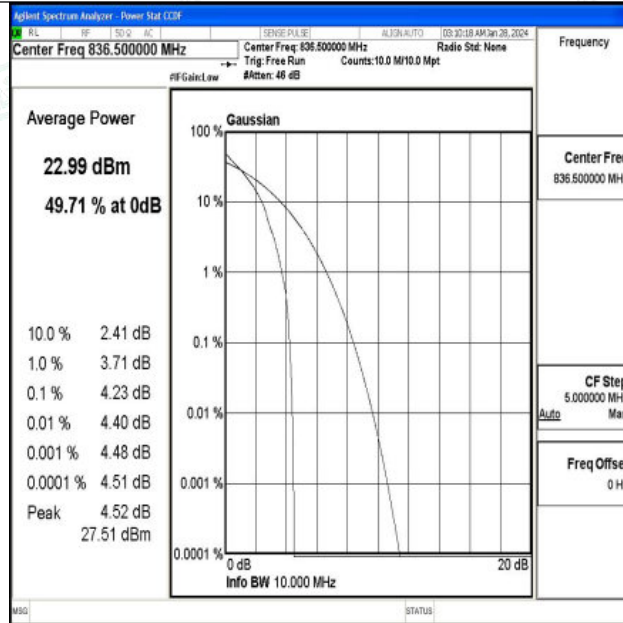


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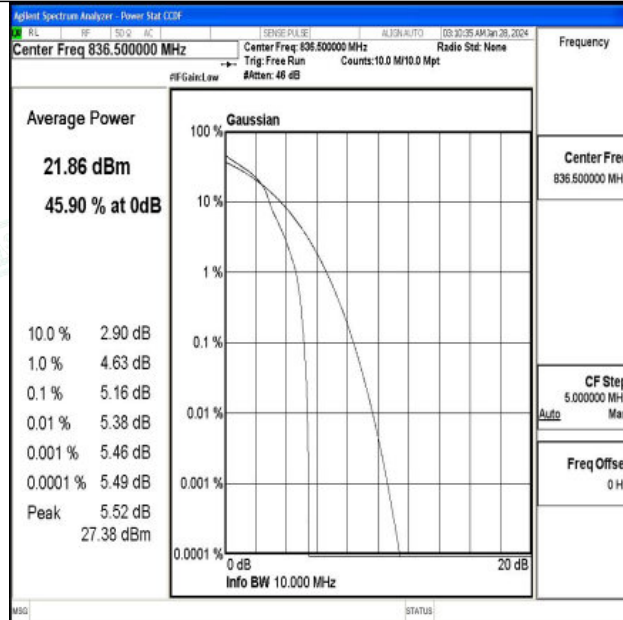
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Band5-10MHz-QPSK-20525-1RB#0-PASS



Band5-10MHz-16QAM-20525-1RB#0-PASS

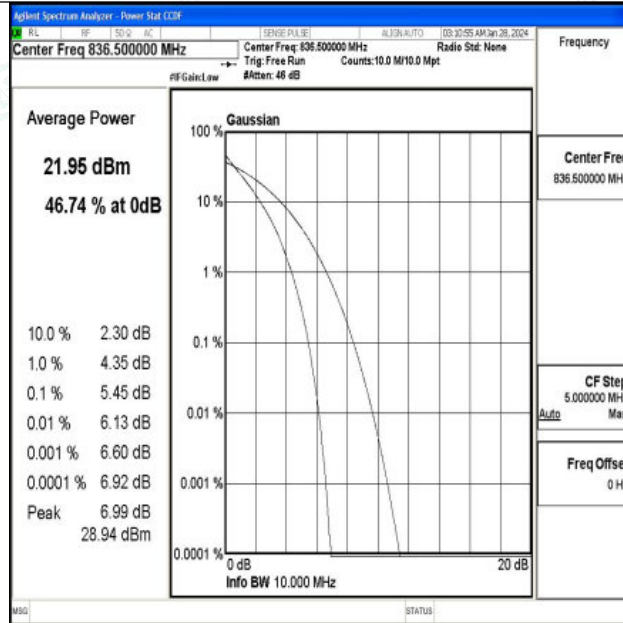


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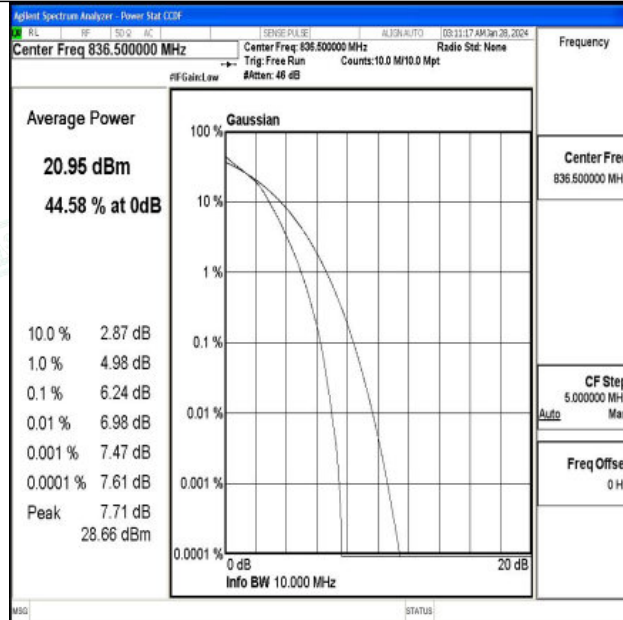
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Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS

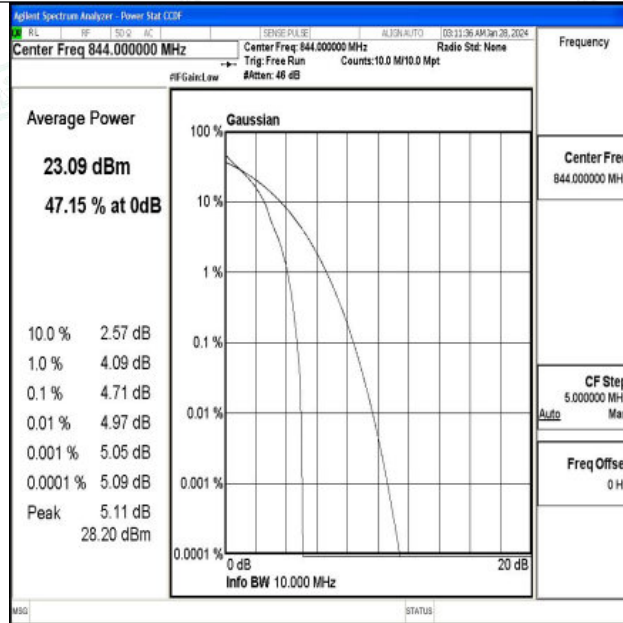


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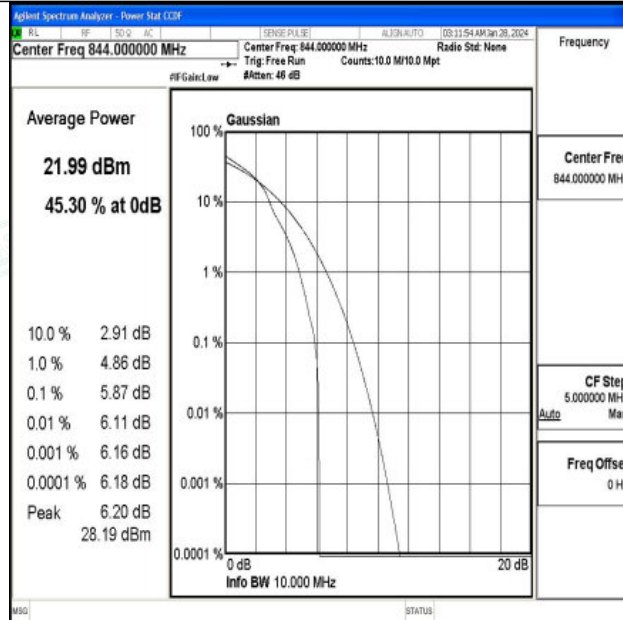
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Band5-10MHz-QPSK-20600-1RB#0-PASS



Band5-10MHz-16QAM-20600-1RB#0-PASS

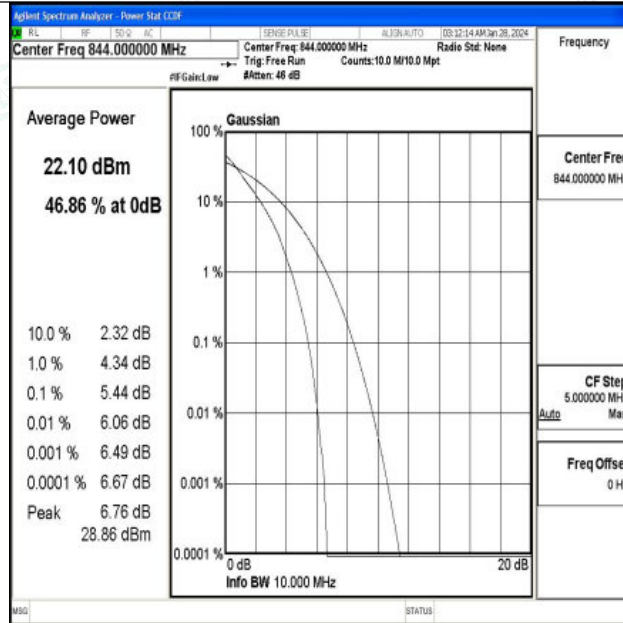


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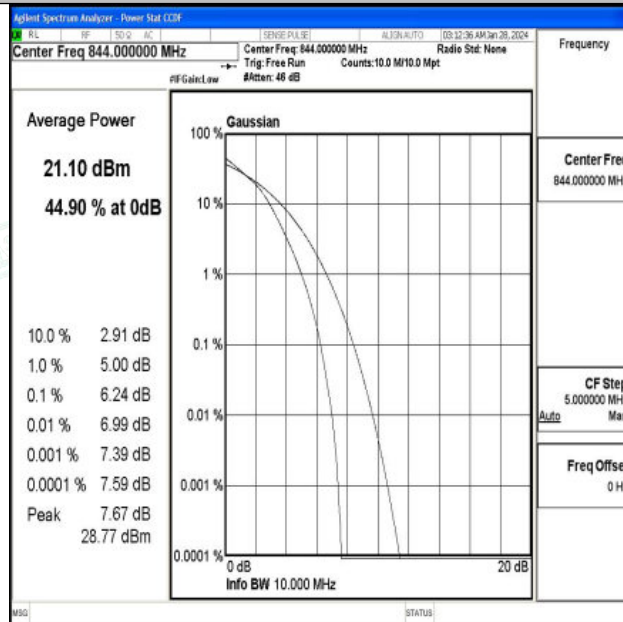
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Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



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B.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0925	1.276	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0965	1.283	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0887	1.268	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0990	1.281	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0932	1.270	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0988	1.274	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6806	2.956	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6815	2.939	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6856	2.938	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6848	2.956	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6853	2.949	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6821	2.961	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4996	4.909	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4977	4.897	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4959	4.888	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4975	4.920	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5008	4.881	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5094	4.912	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9758	9.756	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9729	9.711	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9782	9.745	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9759	10.54	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9477	9.749	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9606	9.685	PASS



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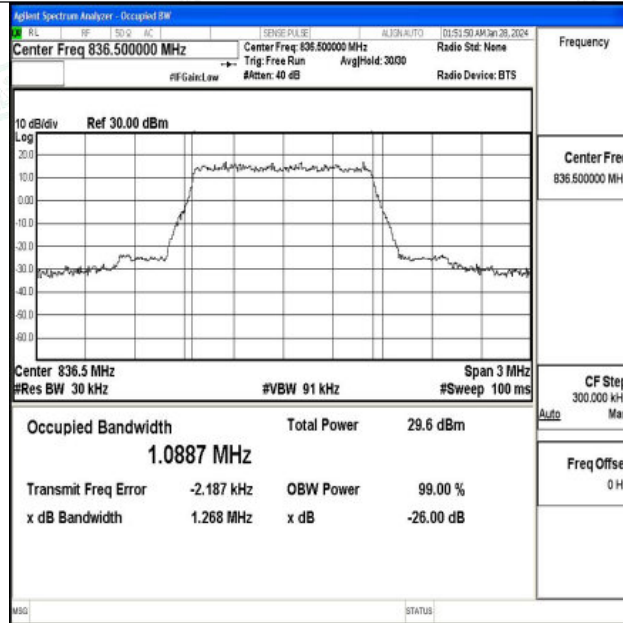
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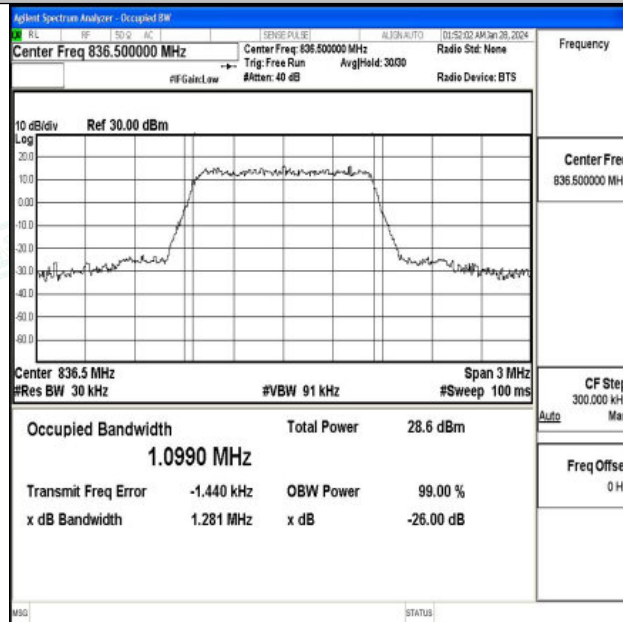


Test Graphs





Band5-1.4MHz-QPSK-20525-6RB#0-PASS



Band5-1.4MHz-16QAM-20525-6RB#0-PASS

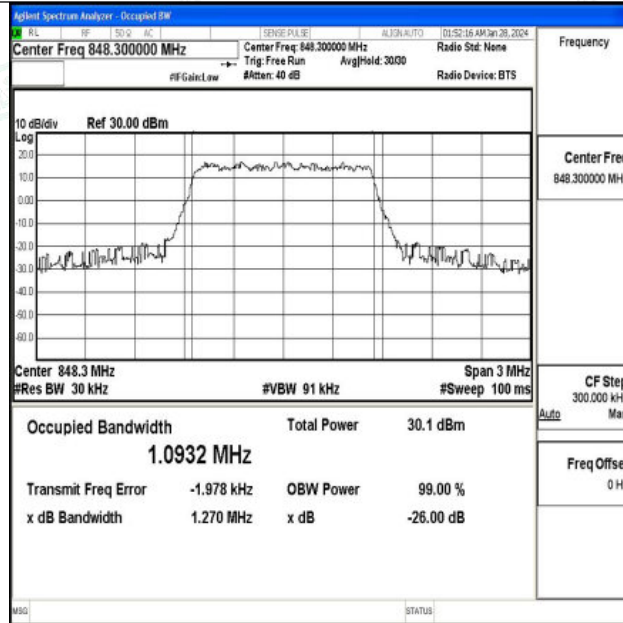


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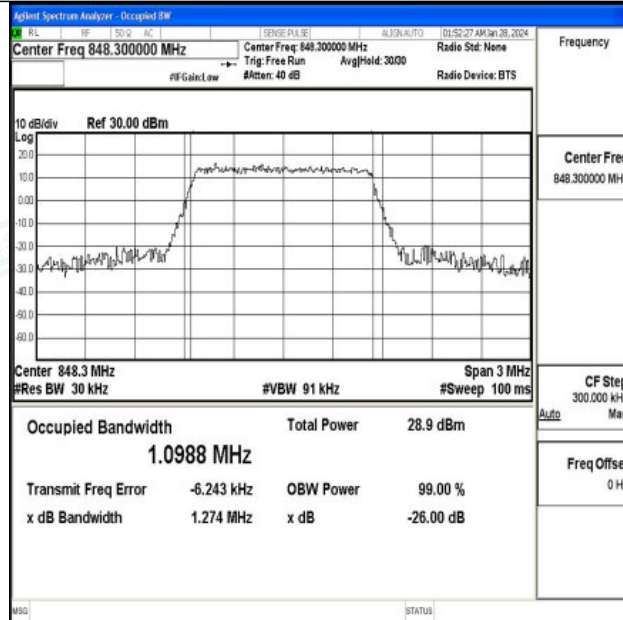
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Band5-1.4MHz-QPSK-20643-6RB#0-PASS



Band5-1.4MHz-16QAM-20643-6RB#0-PASS

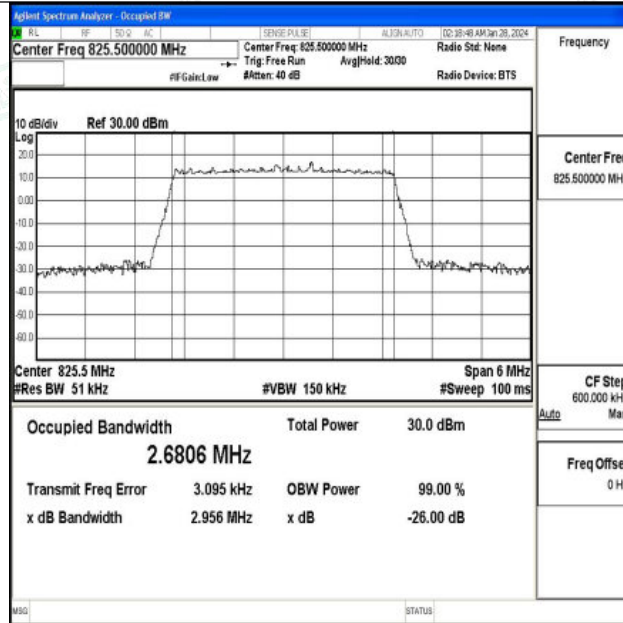


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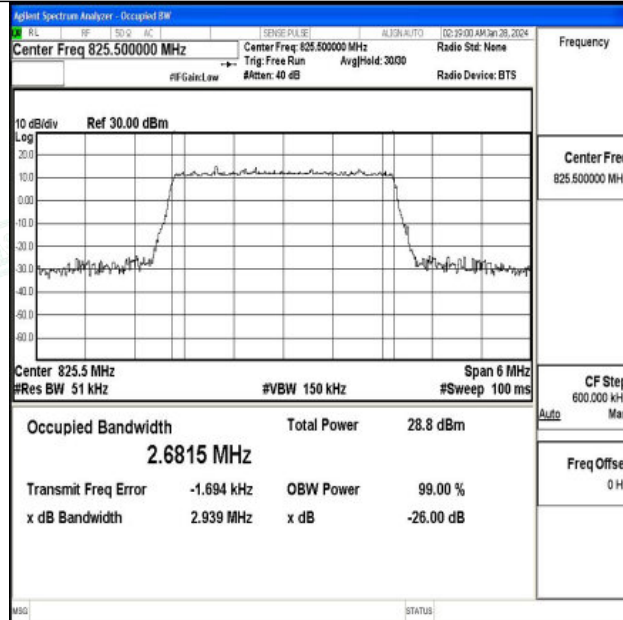
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Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS

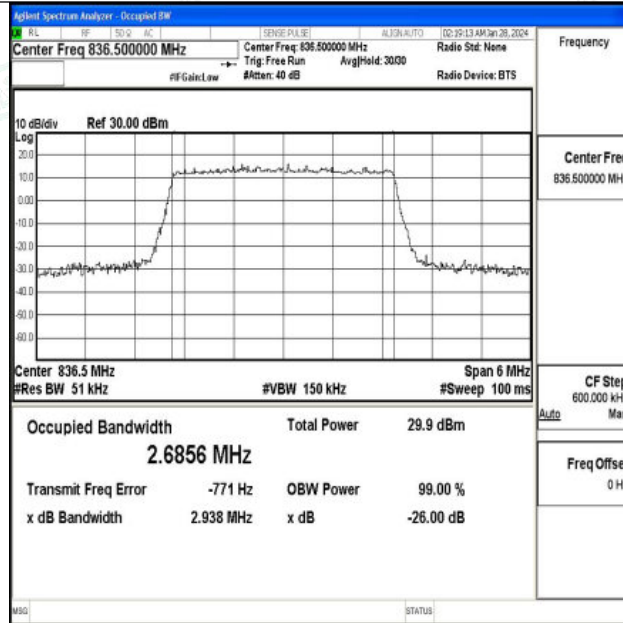


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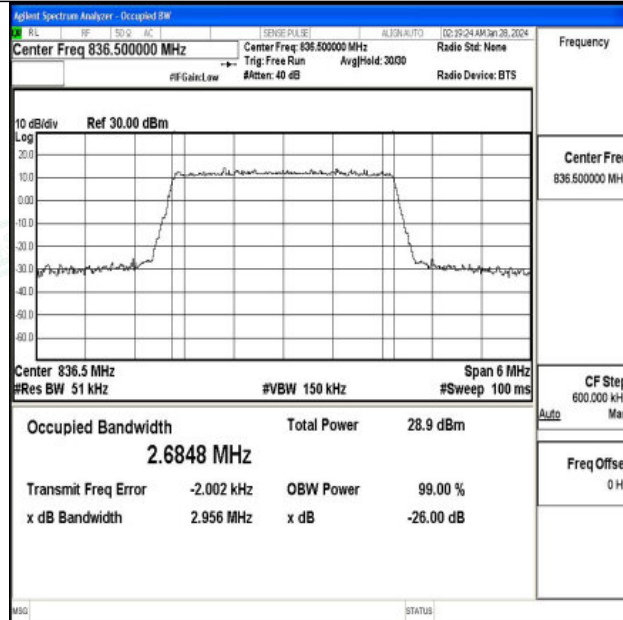
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Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS

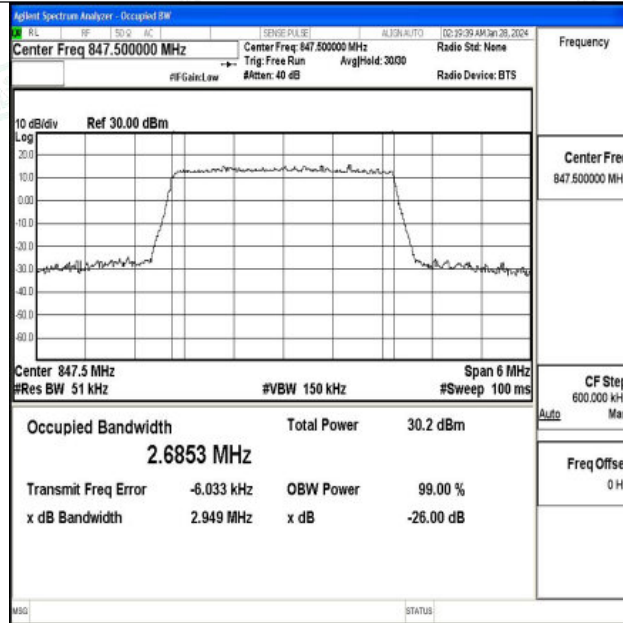


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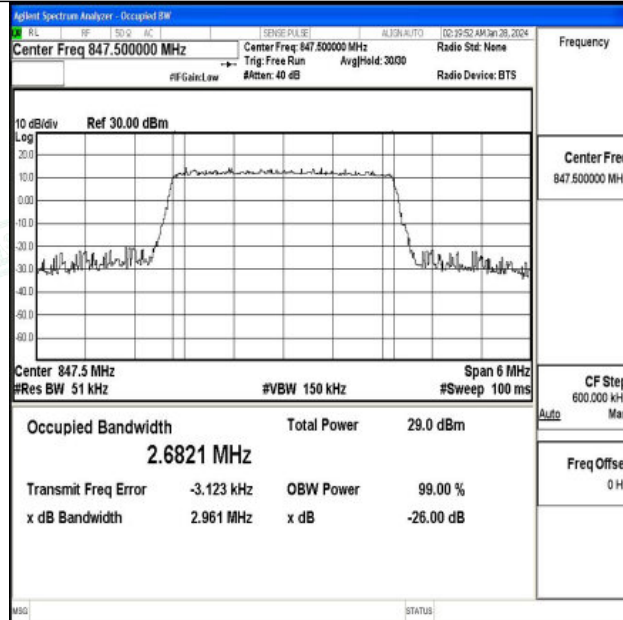
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Band5-3MHz-QPSK-20635-15RB#0-PASS



Band5-3MHz-16QAM-20635-15RB#0-PASS

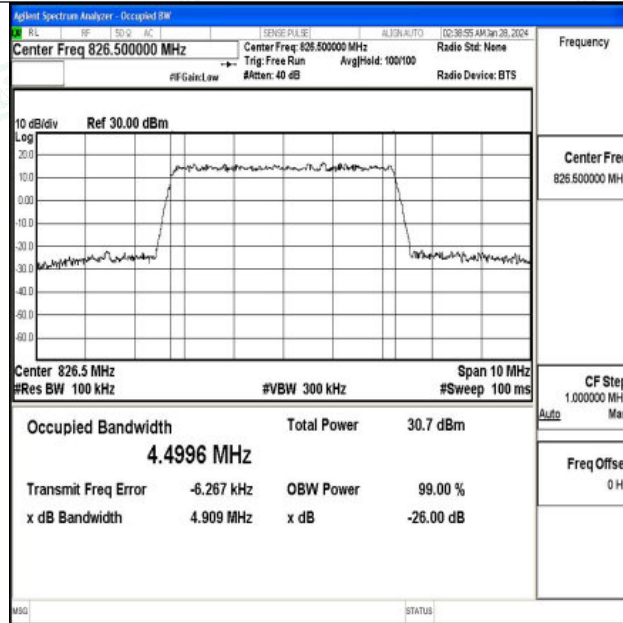


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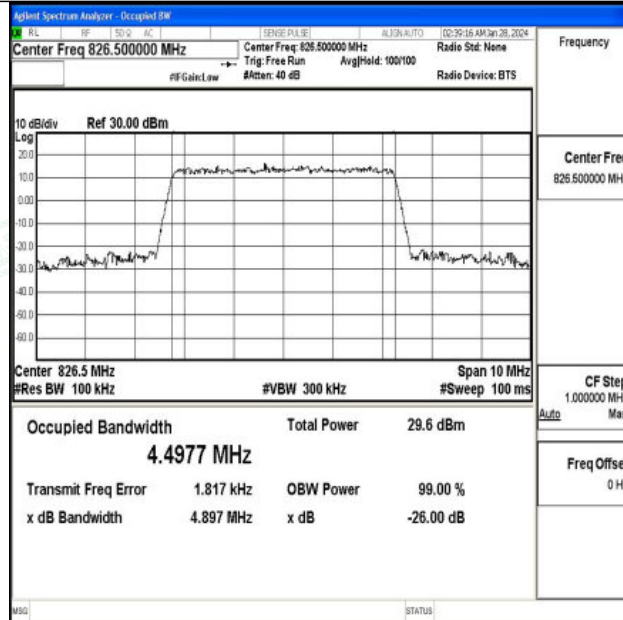
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Band5-5MHz-QPSK-20425-25RB#0-PASS



Band5-5MHz-16QAM-20425-25RB#0-PASS

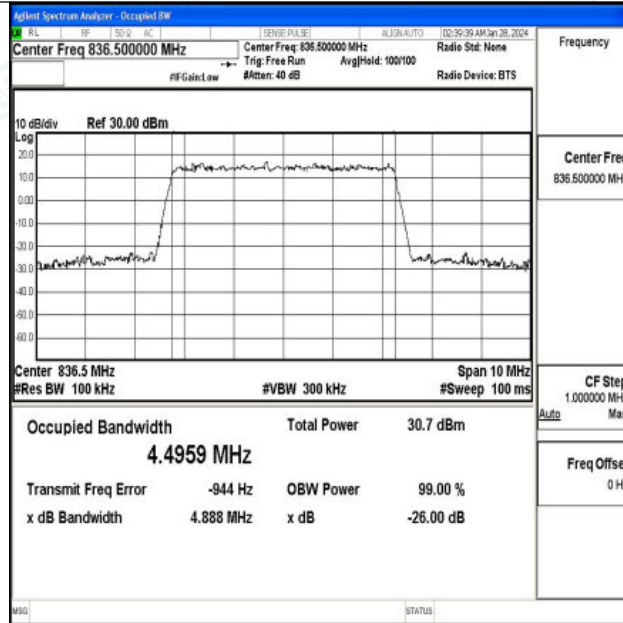


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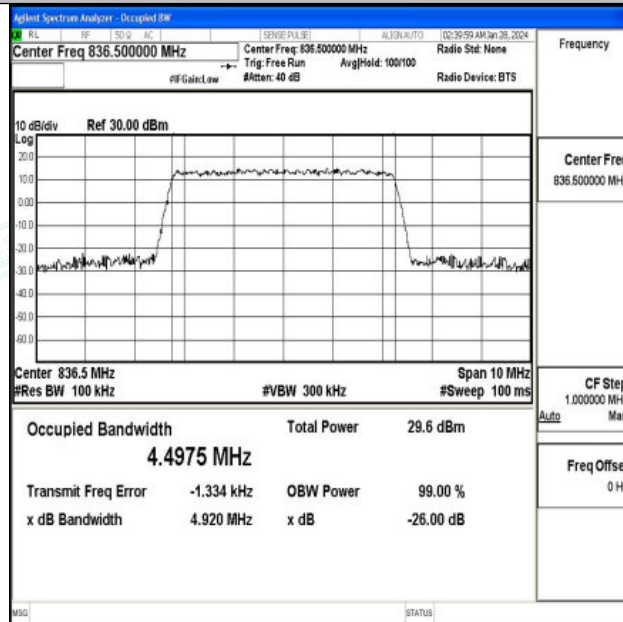
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS

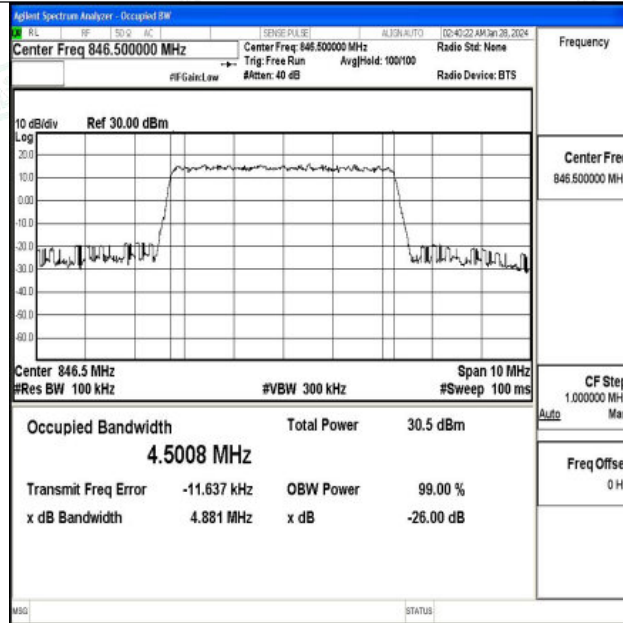


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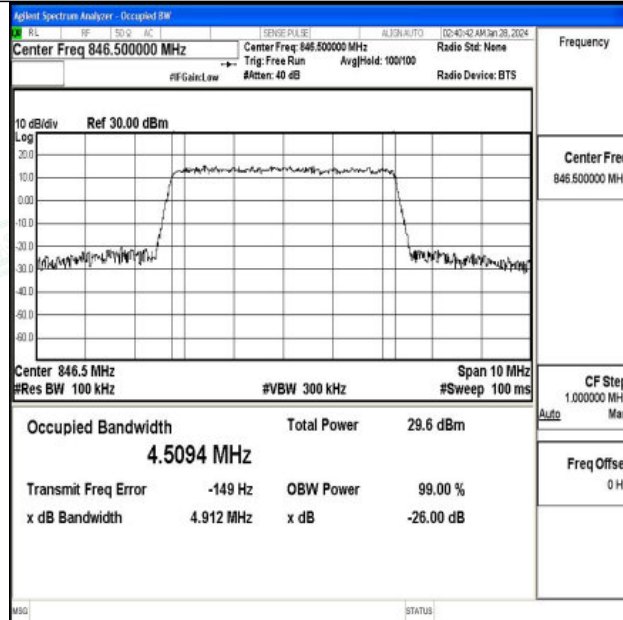
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Band5-5MHz-QPSK-20625-25RB#0-PASS



Band5-5MHz-16QAM-20625-25RB#0-PASS

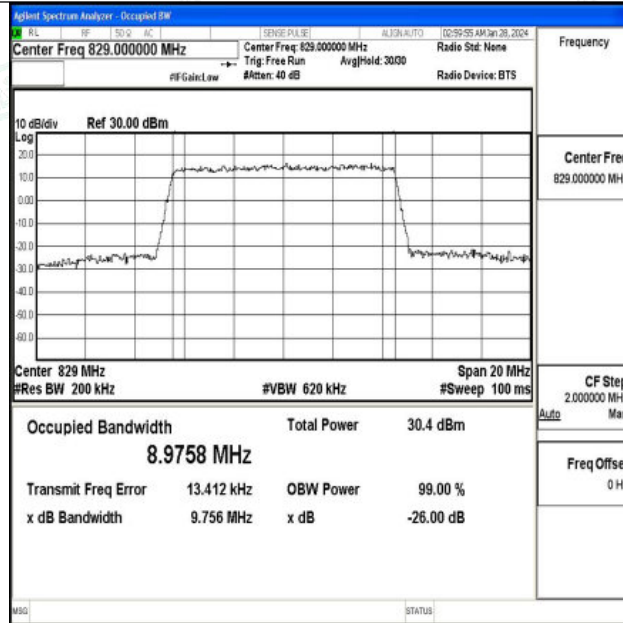


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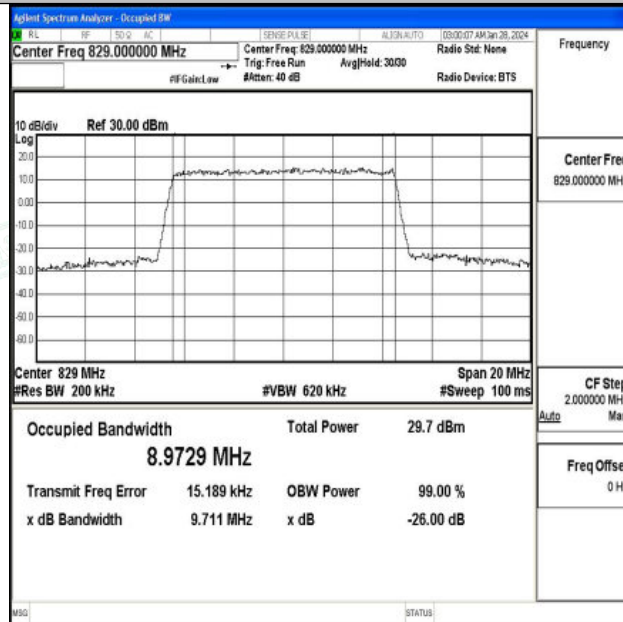
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Band5-10MHz-QPSK-20450-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS

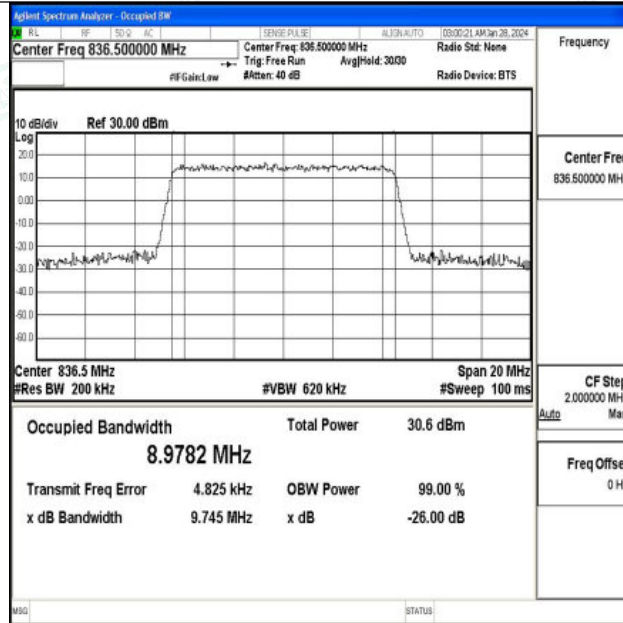


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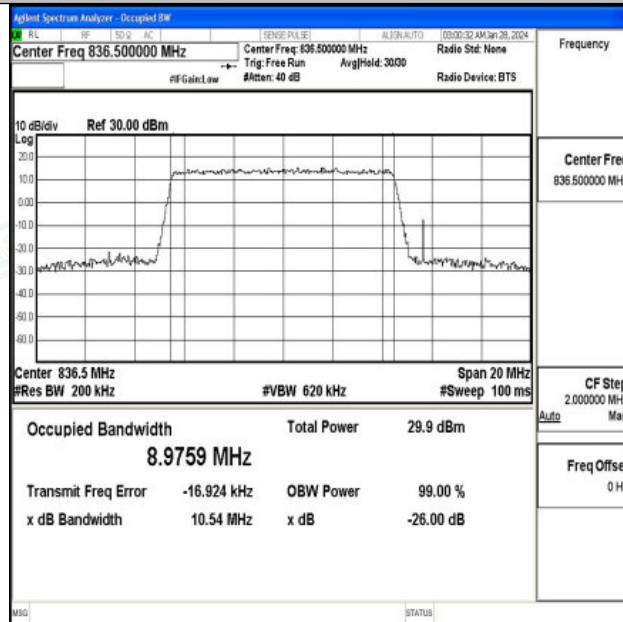
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS

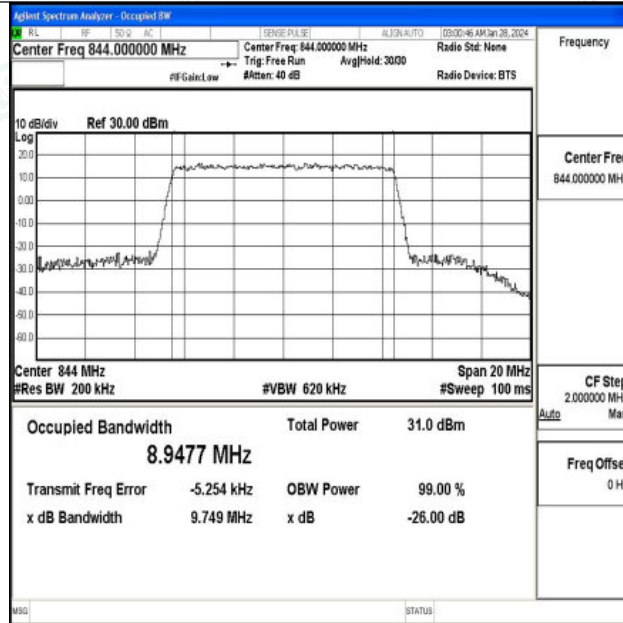


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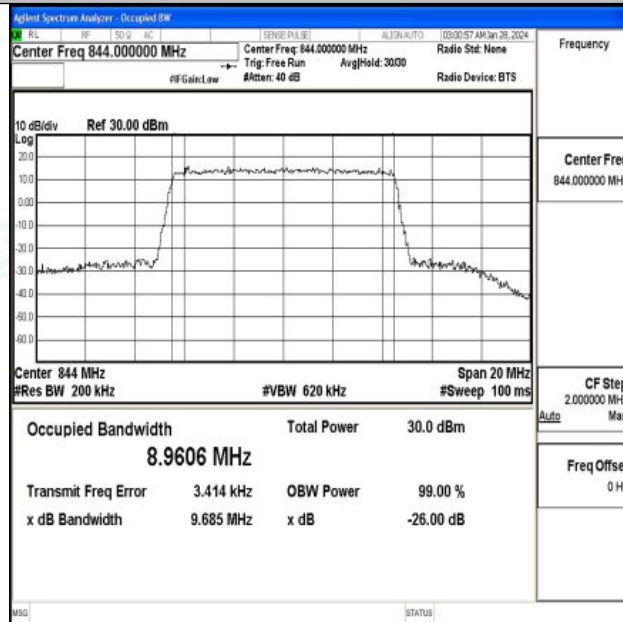
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Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



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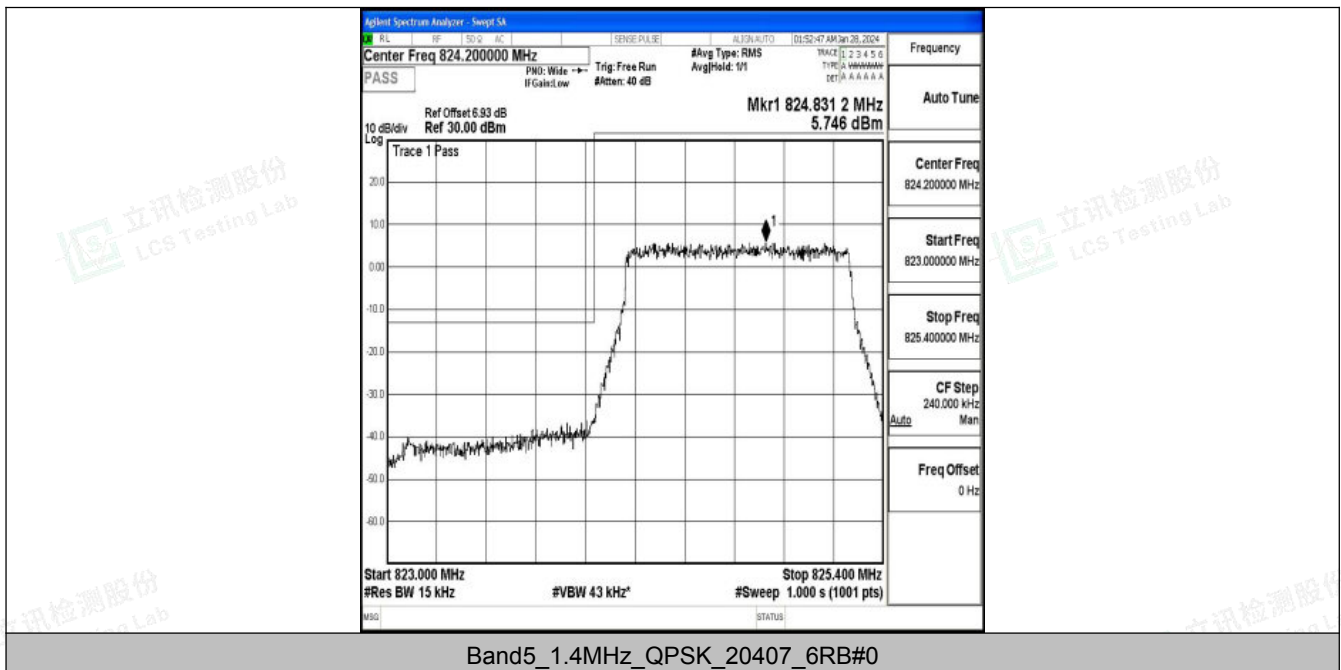


B.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	824.00	-36.14	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.99	-35.91	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.00	-35.01	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.02	-35.70	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-28.00	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-29.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-28.89	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-29.96	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.99	-35.83	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.99	-36.04	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-35.34	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.01	-35.69	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.96	-38.55	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.97	-39.77	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.01	-38.24	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.04	-38.68	PASS

Test Graphs

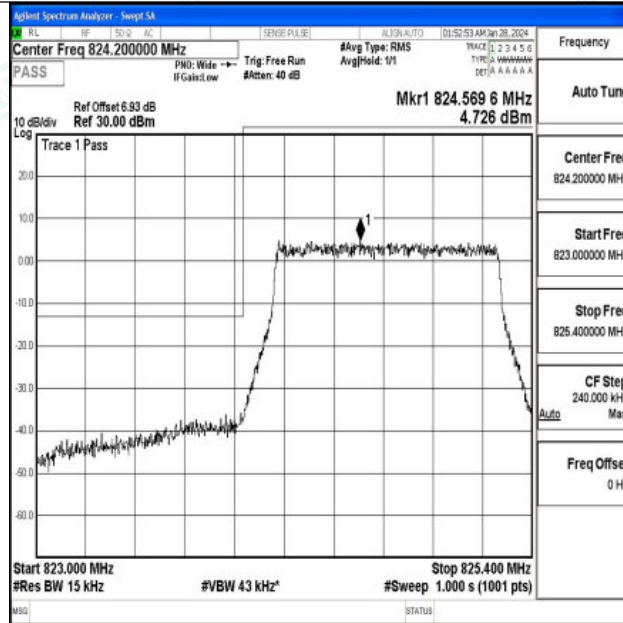


Shenzhen LCS Compliance Testing Laboratory Ltd.

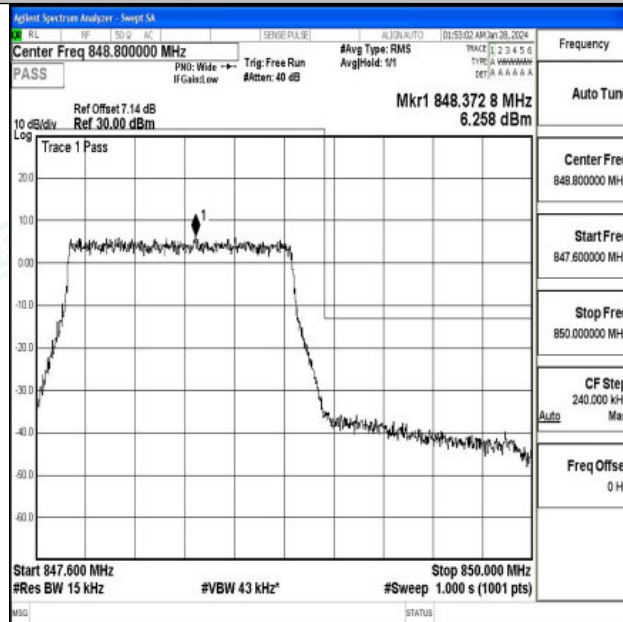
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Band5_1.4MHz_16QAM_20407_6RB#0



Band5_1.4MHz_QPSK_20643_6RB#0

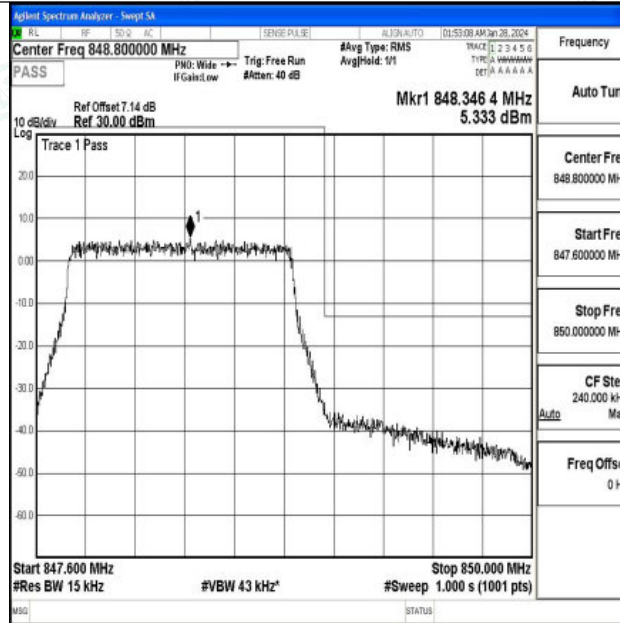


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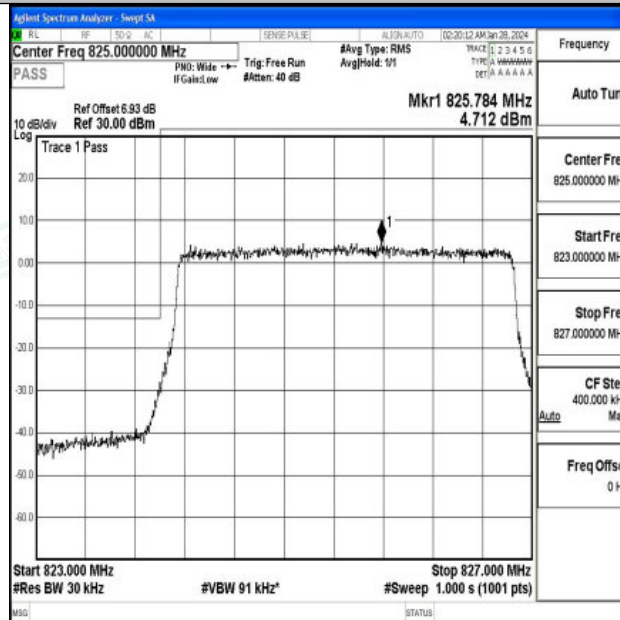
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Band5_1.4MHz_16QAM_20643_6RB#0



Band5_3MHz_QPSK_20415_15RB#0

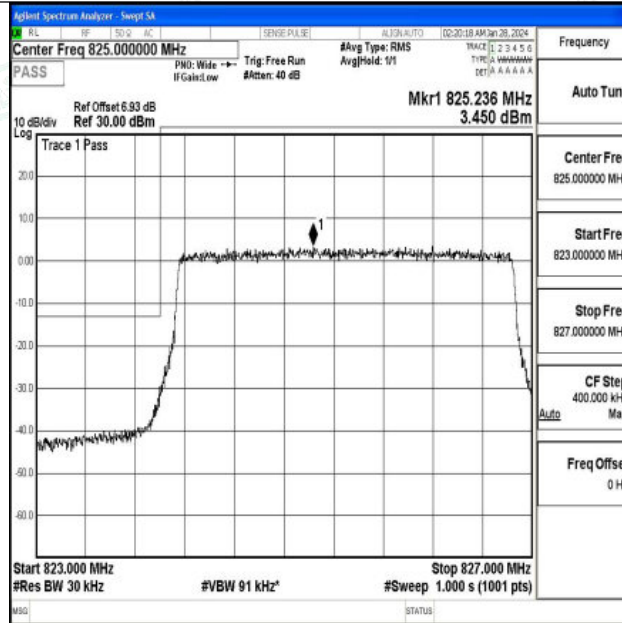


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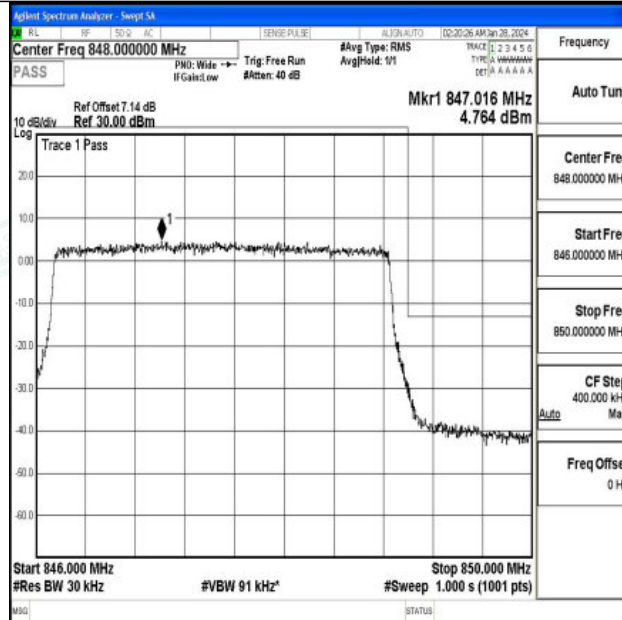
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Band5_3MHz_16QAM_20415_15RB#0



Band5_3MHz_QPSK_20635_15RB#0

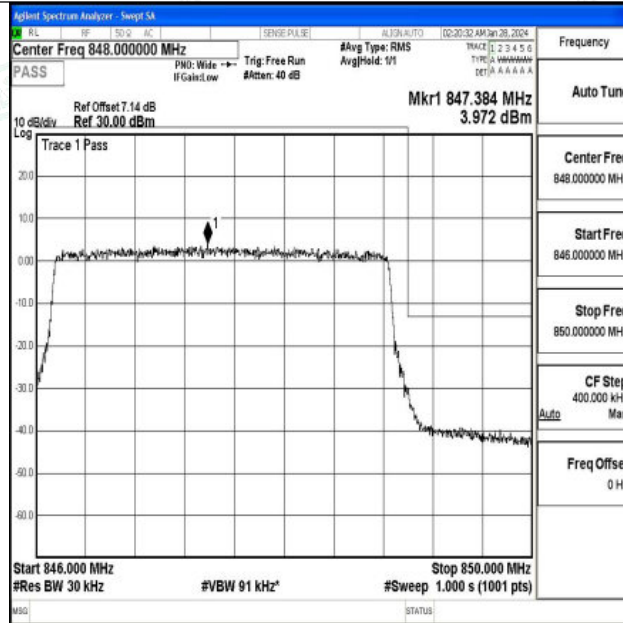


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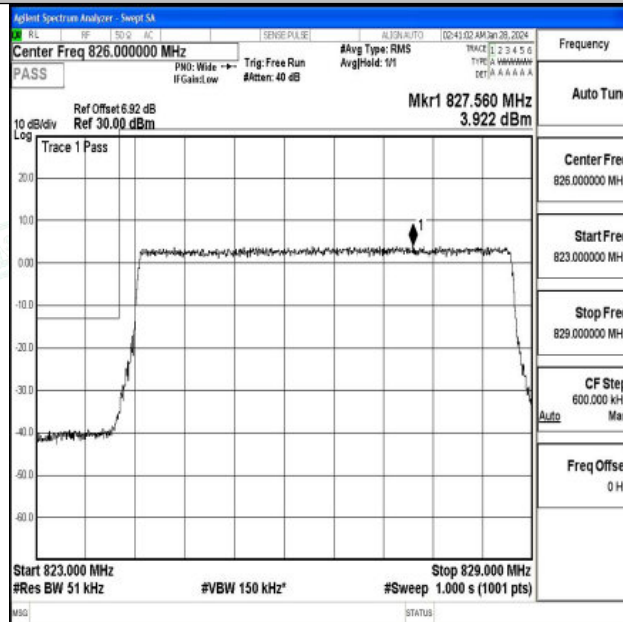
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Band5_3MHz_16QAM_20635_15RB#0



Band5_5MHz_QPSK_20425_25RB#0

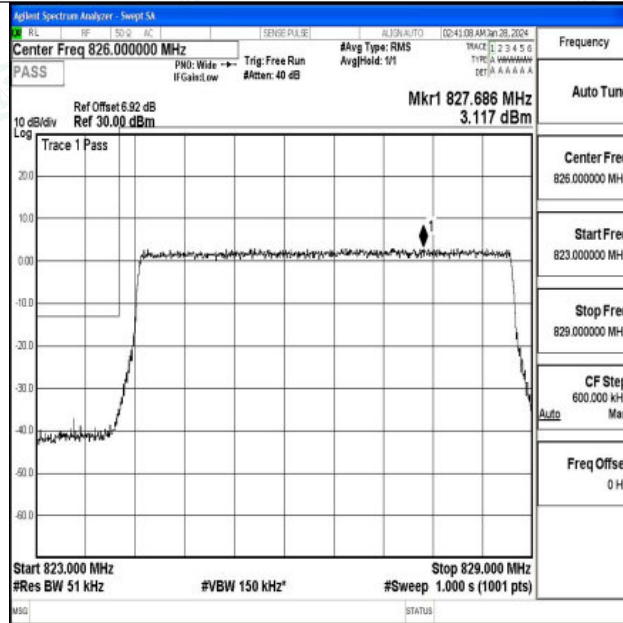


Shenzhen LCS Compliance Testing Laboratory Ltd.

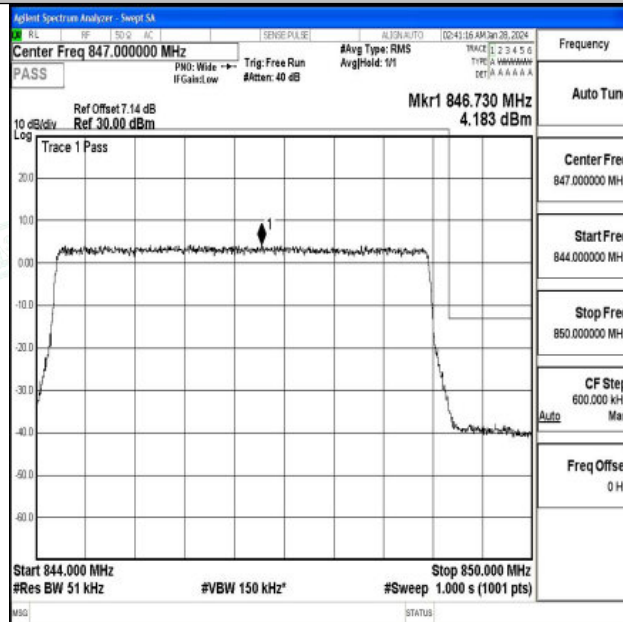
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Band5_5MHz_16QAM_20425_25RB#0



Band5_5MHz_QPSK_20625_25RB#0

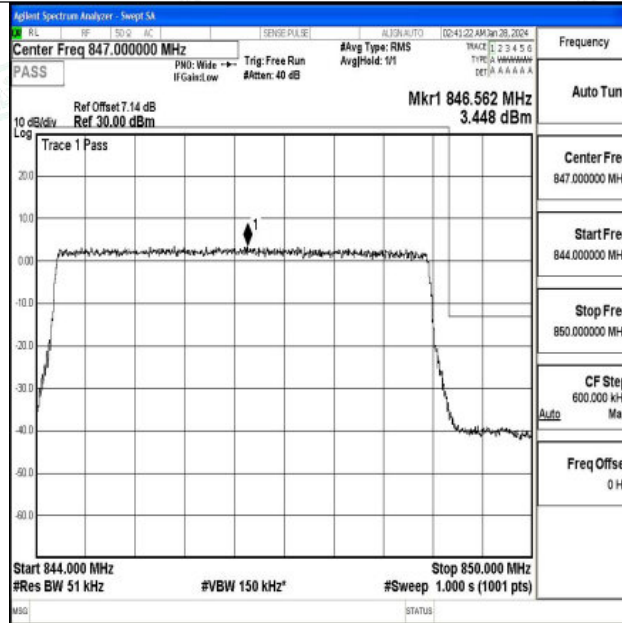


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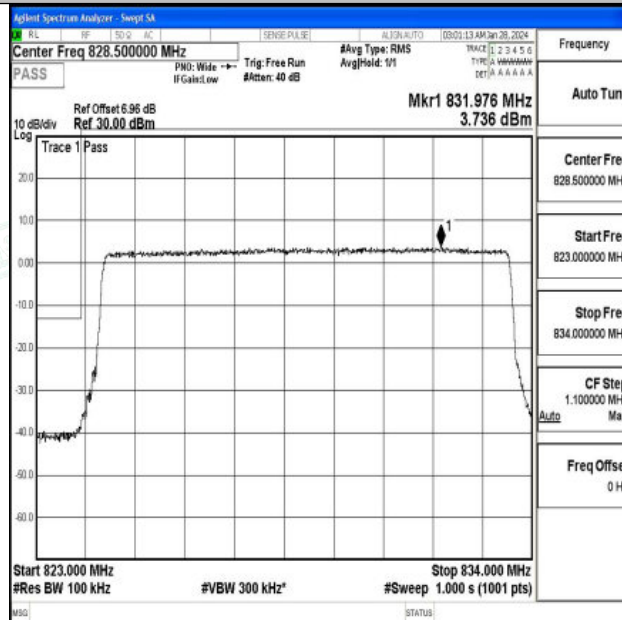
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Band5_5MHz_16QAM_20625_25RB#0



Band5_10MHz_QPSK_20450_50RB#0

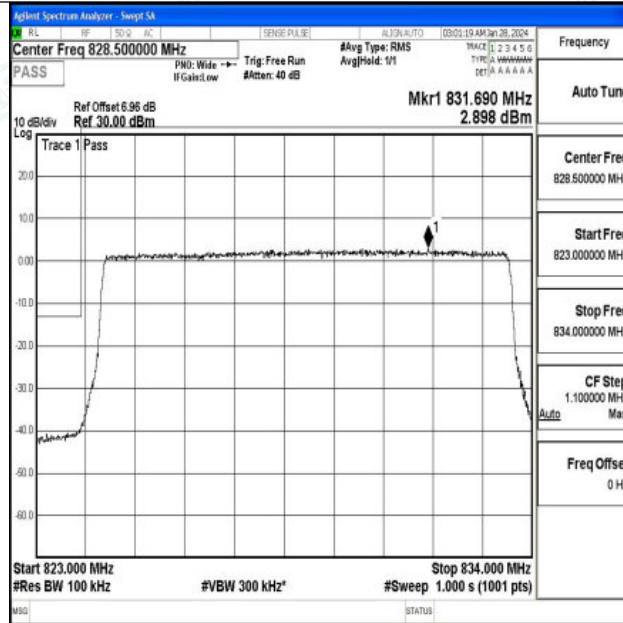


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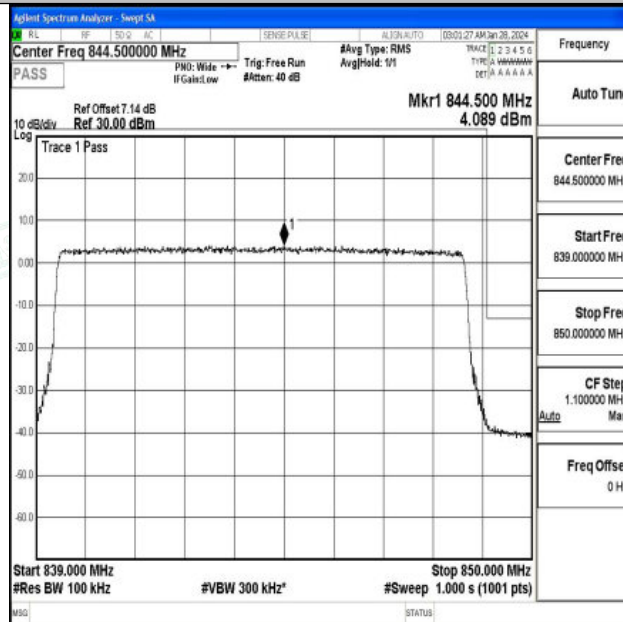
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Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0

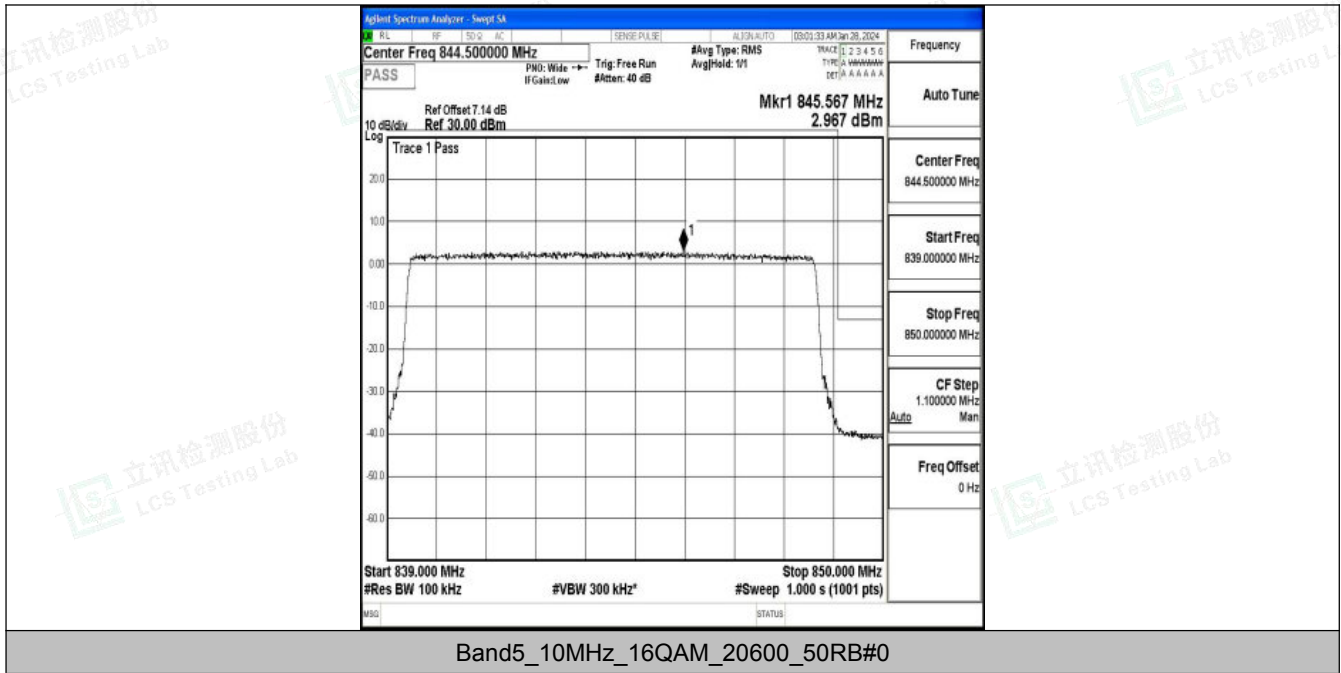


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B.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-57.67	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-50.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-50.67	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-41.81	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-58.76	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-53.73	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-51.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-42.17	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.24	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-57.12	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-52.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-50.64	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-42.59	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-44.43	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-57.08	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-53.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-52.20	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-43.73	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-44.28	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-59.34	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-53.52	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-50.49	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-42.55	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.19	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-59.34	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-52.01	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-50.49	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-44.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-44.26	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-56.54	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-51.52	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-55.18	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-42.30	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-44.36	PASS



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Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-57.29	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-53.91	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-56.00	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-43.99	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-44.17	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-57.88	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-52.32	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-54.30	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-43.23	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.18	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-54.03	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-51.60	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-56.33	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-42.79	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-44.26	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-58.68	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-53.68	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-56.17	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-42.82	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.35	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-60.21	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-51.60	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-55.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-43.93	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.08	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-56.84	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-52.04	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-62.26	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-42.09	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.36	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-53.92	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-51.78	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-61.90	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-43.57	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-43.98	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-60.60	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-51.73	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-61.92	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-43.08	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-44.34	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-54.02	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-51.88	PASS



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Band5	5MHz	16QAM	20525	1RB#0	30~1000	-62.32	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-43.05	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-43.82	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-57.93	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-50.74	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-61.98	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-42.07	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-44.20	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-58.90	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-53.83	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-62.08	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-43.36	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.03	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-58.74	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-52.24	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-62.23	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-42.70	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-44.15	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-57.67	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-53.13	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-62.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-42.15	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.30	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-56.09	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-52.00	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-61.84	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-41.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-44.42	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-57.32	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-52.50	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-62.43	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-42.11	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-43.68	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-57.46	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-50.86	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-61.99	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-42.16	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-56.21	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-51.91	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-62.13	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-43.63	PASS



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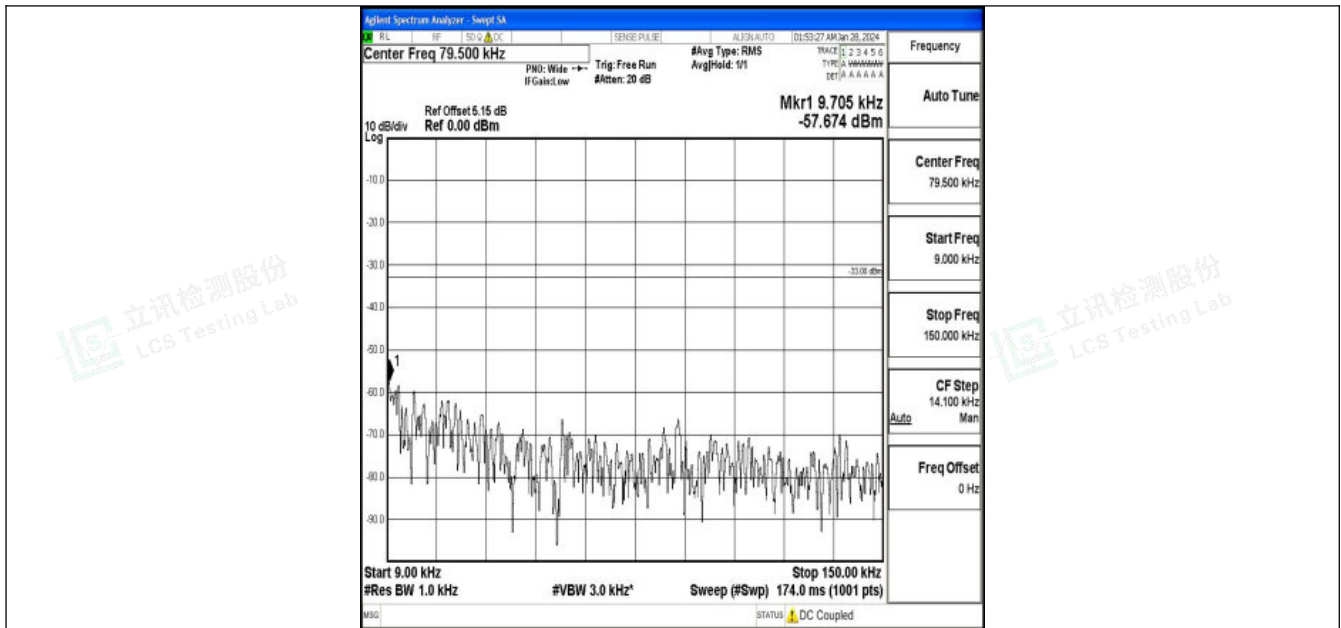
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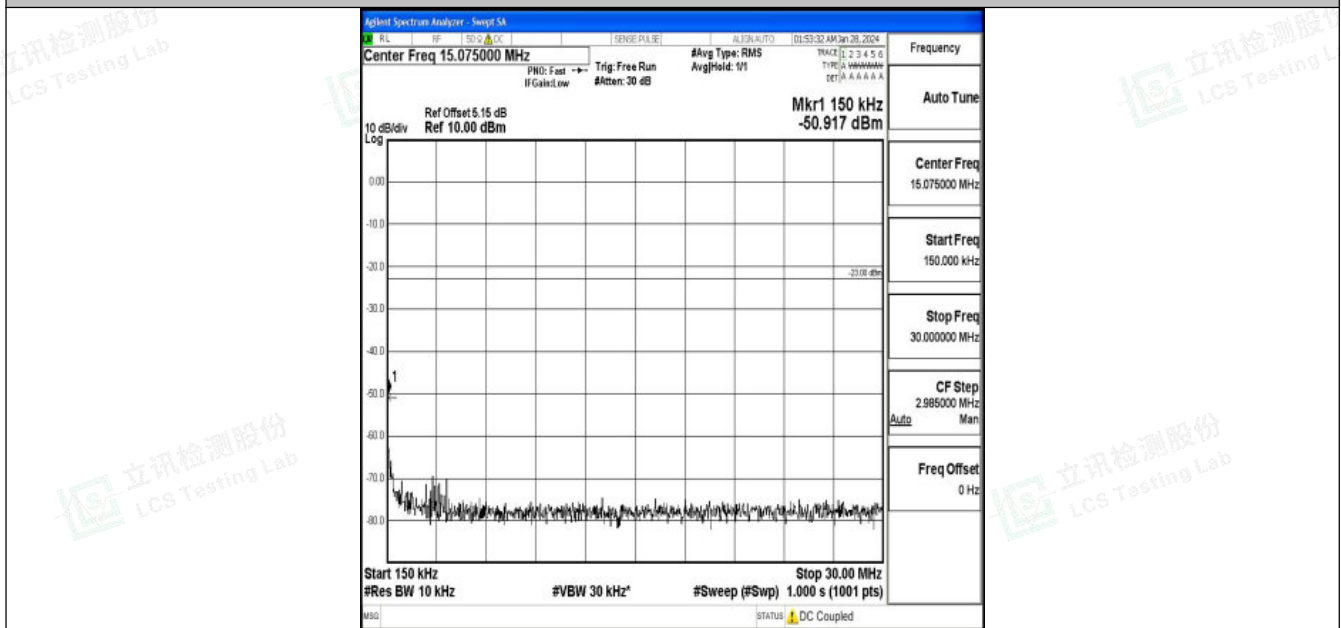


Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-43.66	PASS
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Test Graphs



Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30

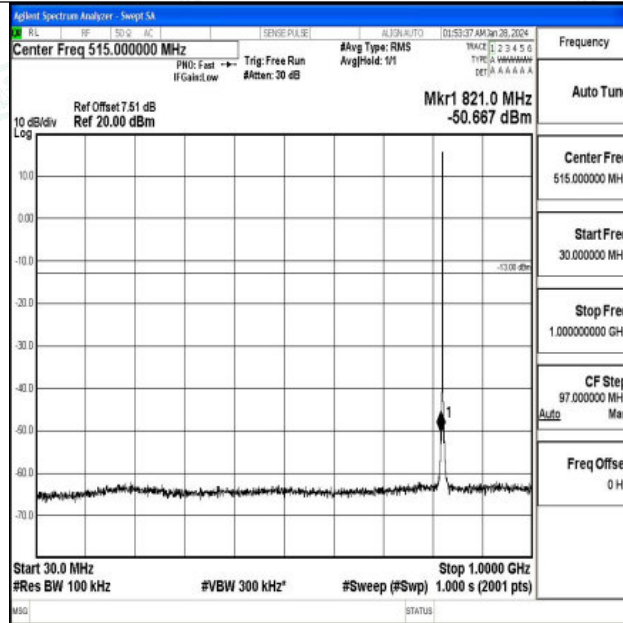


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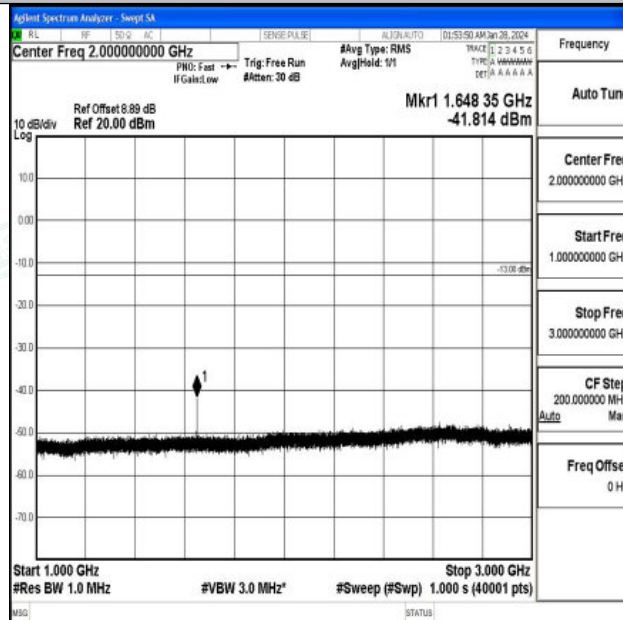
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Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000



Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000

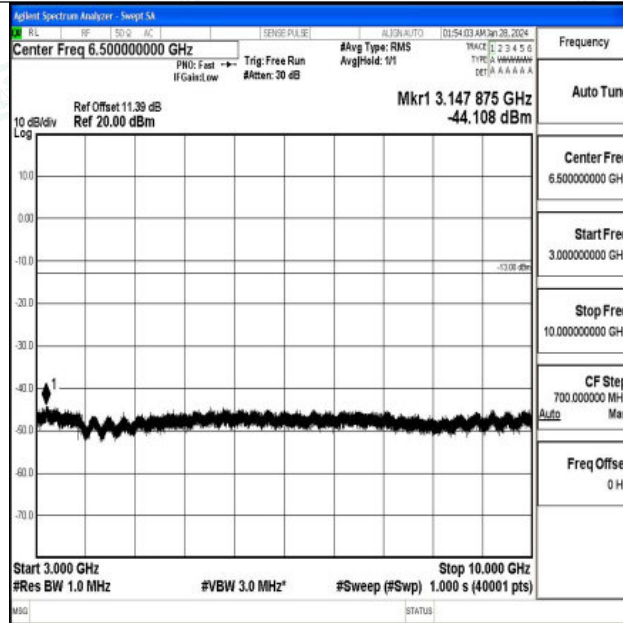


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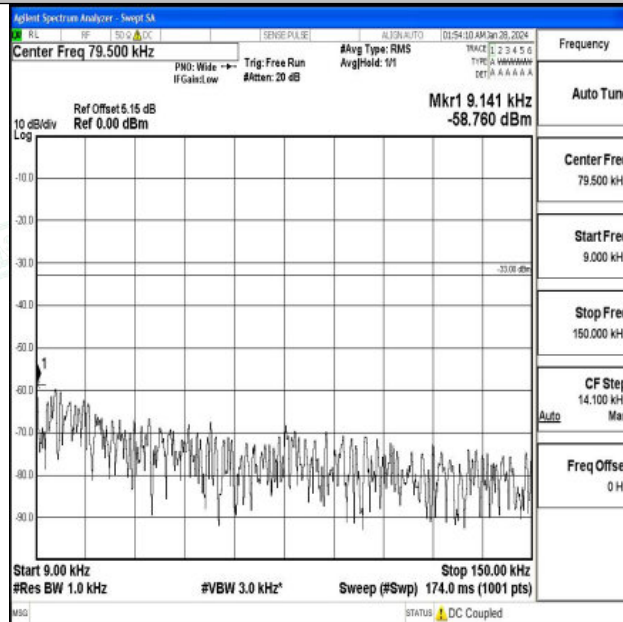
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Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15

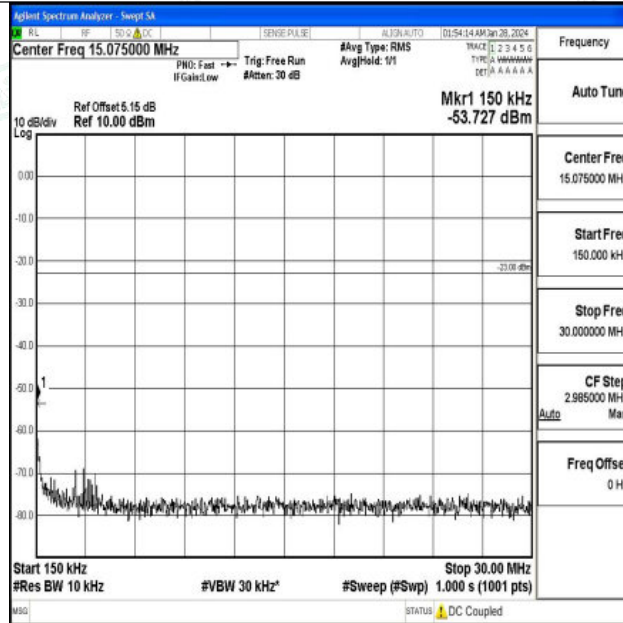


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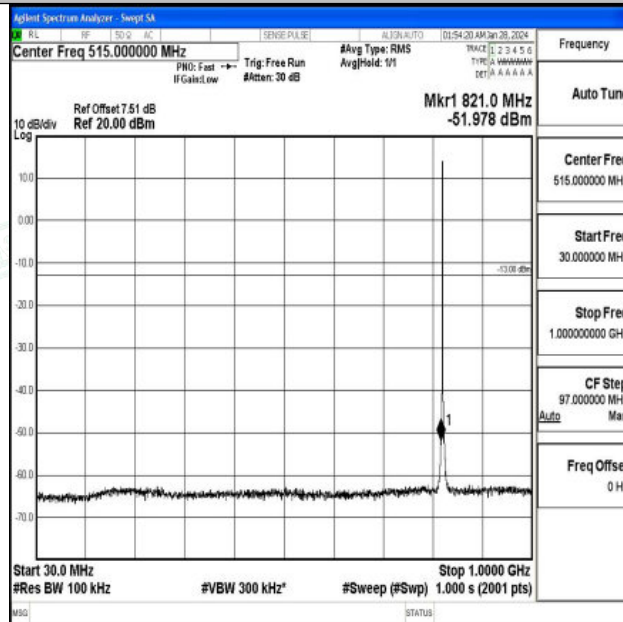
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Band5_1.4MHz_16QAM_20407_1RB#0_0.15~30_0.15~30



Band5_1.4MHz_16QAM_20407_1RB#0_30~1000_30~1000

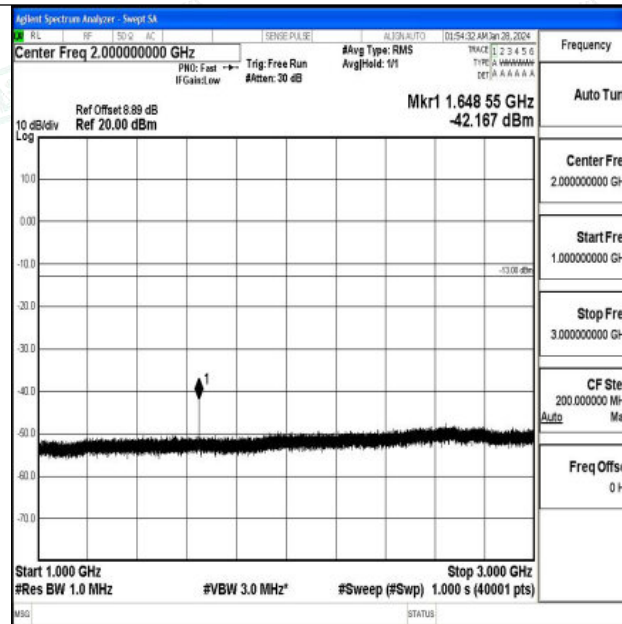


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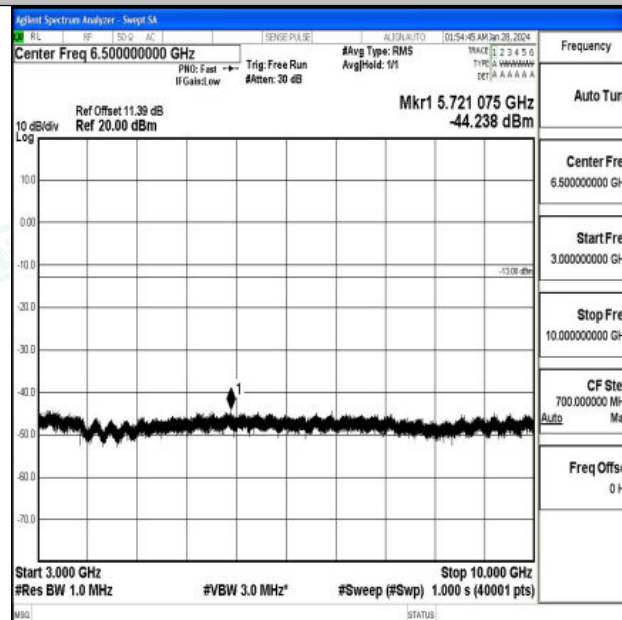
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Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000

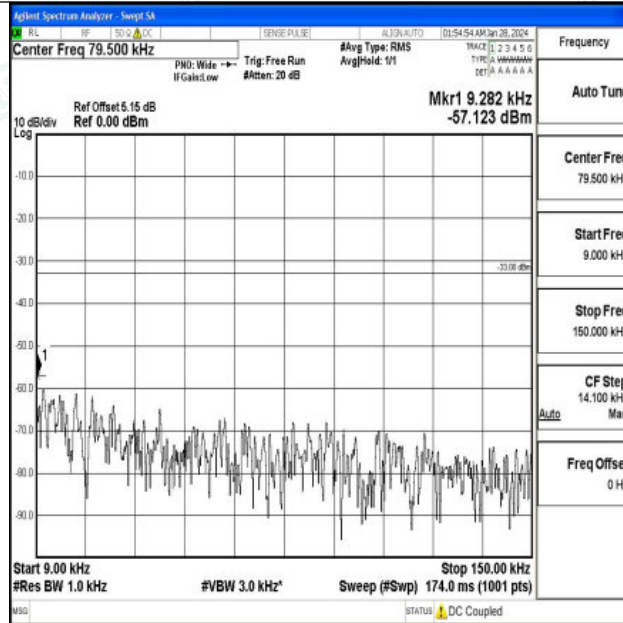


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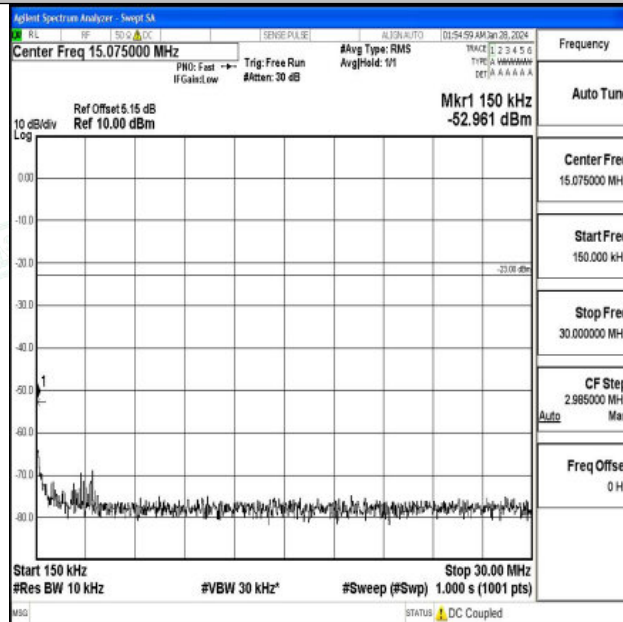
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Band5_1.4MHz_QPSK_20525_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20525_1RB#0_0.15~30_0.15~30

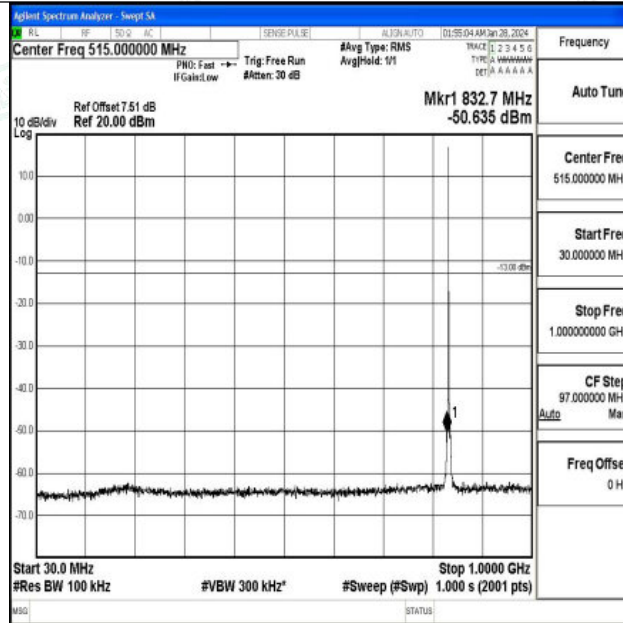


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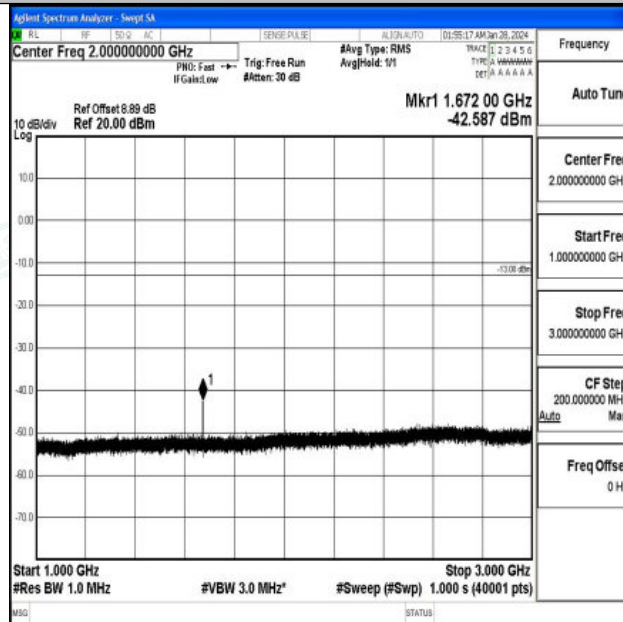
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Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000



Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000

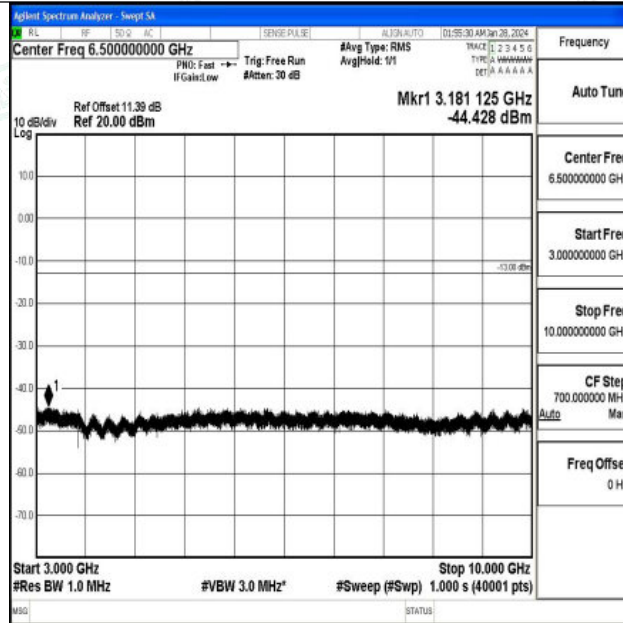


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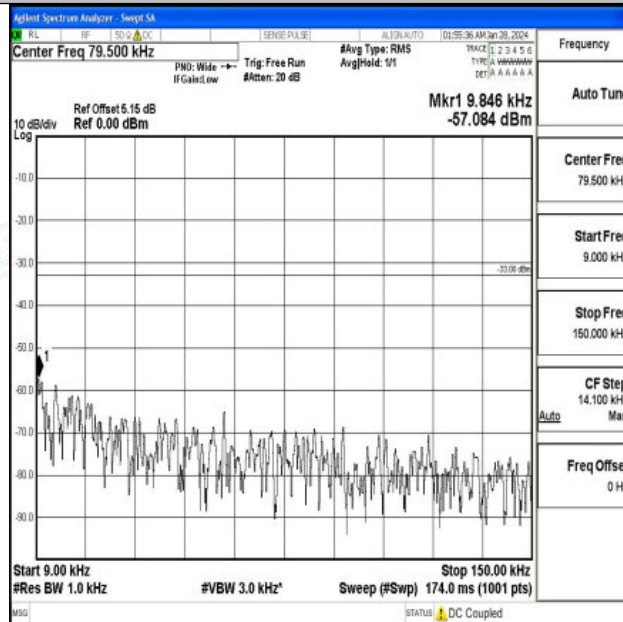
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Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15



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