

Appendix Test Data

Report No.:	18220WC30015403	Test Sample No.:	1-2-2
Start Test Date:	2023.2.14	Finish Test Date:	2023.2.20
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.70	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.65	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.46	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.62	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.61	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.52	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.60	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.44	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.35	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.39	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.40	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.31	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.38	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.60	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.69	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.34	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.47	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.56	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.40	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.37	PASS

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Band5	1.4MHz	16QAM	20407	1RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.77	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.48	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.46	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.38	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.71	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.68	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.82	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.54	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.12	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.12	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.61	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.44	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.59	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.54	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.51	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.40	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.51	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.47	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.67	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.59	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.46	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.58	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.58	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.51	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.58	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.36	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.28	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.27	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.32	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.41	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.30	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.27	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.24	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.36	PASS

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Band5	3MHz	QPSK	20635	1RB#14	23.14	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.46	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.31	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.46	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.36	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.64	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.62	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.55	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.38	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.51	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.55	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.41	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.26	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.71	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.51	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.38	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.33	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.27	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.27	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.17	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.91	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.58	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.28	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.30	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.53	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.62	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.36	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.37	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.62	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.51	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.48	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.05	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.40	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.05	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.29	PASS

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Band5	5MHz	QPSK	20525	12RB#6	22.26	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.28	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.34	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.04	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.24	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.07	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.31	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.26	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.43	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.29	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.16	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.00	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.21	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.47	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.47	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.48	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.52	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.05	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.24	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.18	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.27	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.39	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.40	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.28	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.22	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.81	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.72	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.14	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.05	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.34	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.31	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.46	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.52	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.21	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.50	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.61	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.41	PASS

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Band5	10MHz	QPSK	20450	50RB#0	22.47	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.30	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.61	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.33	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.34	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.37	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.38	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.32	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.21	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.62	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.28	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.32	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.34	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.38	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.34	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.77	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.58	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.24	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.56	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.55	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.48	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.60	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.52	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.26	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.44	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.36	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.29	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.81	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.59	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.02	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.48	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.19	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.37	PASS

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Appendix B: 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	5.65	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.85	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.39	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.66	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.30	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.42	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.54	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.95	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.58	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.32	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.70	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.84	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.59	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.84	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.65	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.38	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.48	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.70	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.48	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.73	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.37	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.25	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.47	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.78	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.76	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.80	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.21	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.37	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.84	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.52	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.13	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.51	13	PASS

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Band5	5MHz	16QAM	20625	1RB#0	5.91	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.19	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.62	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.66	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.30	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.77	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.52	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.58	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.33	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.53	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.55	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.16	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.46	13	PASS

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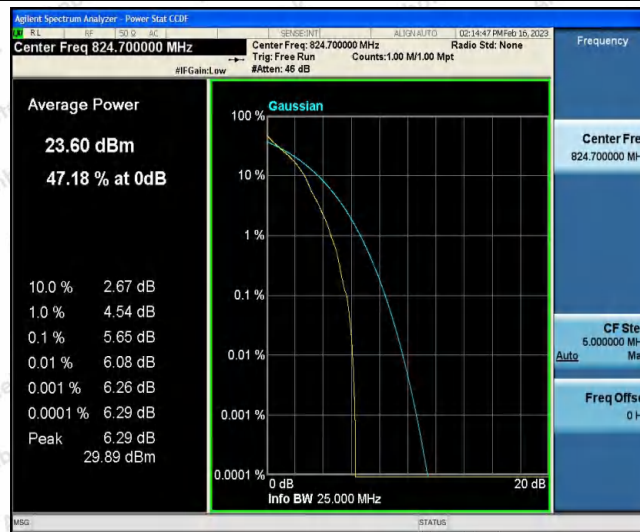


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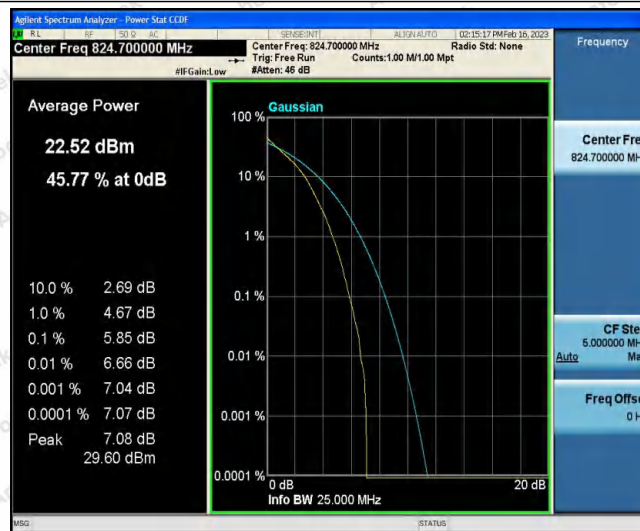


Test Graphs

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



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



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

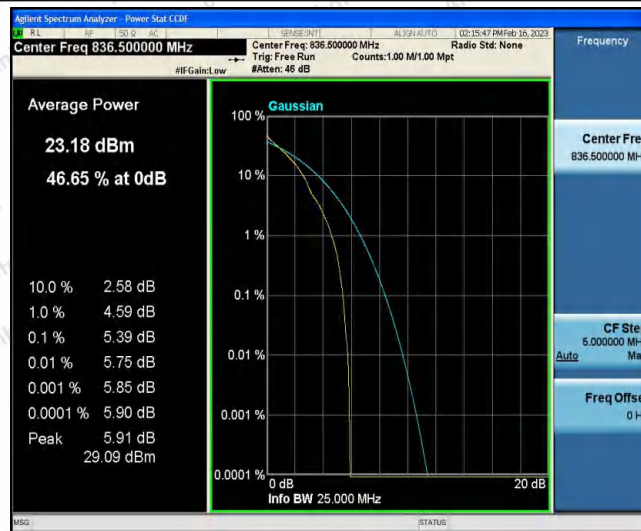
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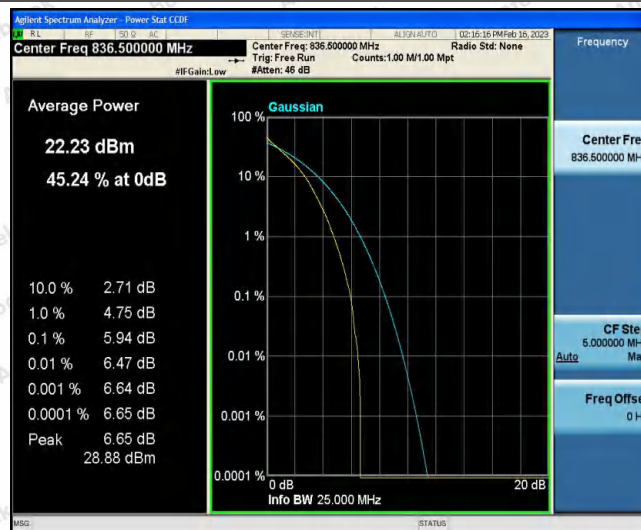


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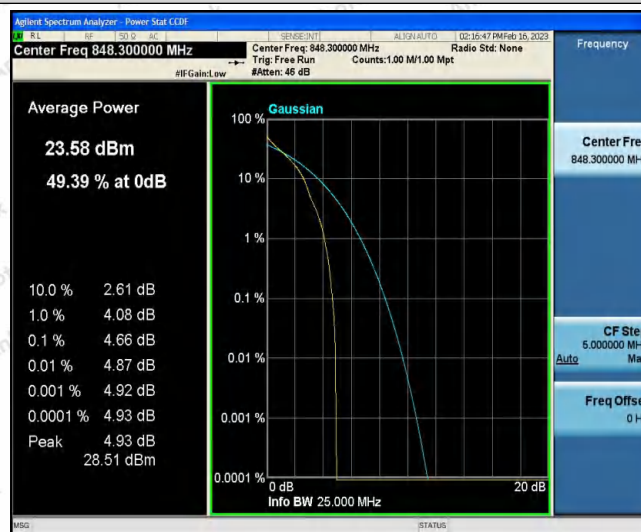




Band5-1.4MHz-QPSK-20525-6RB#0



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



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

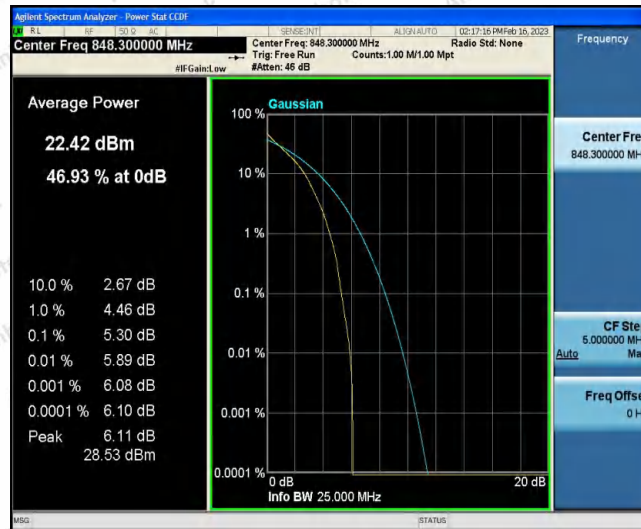
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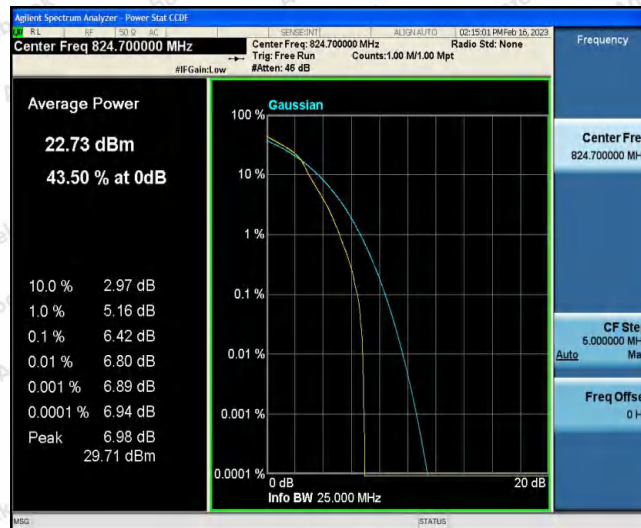


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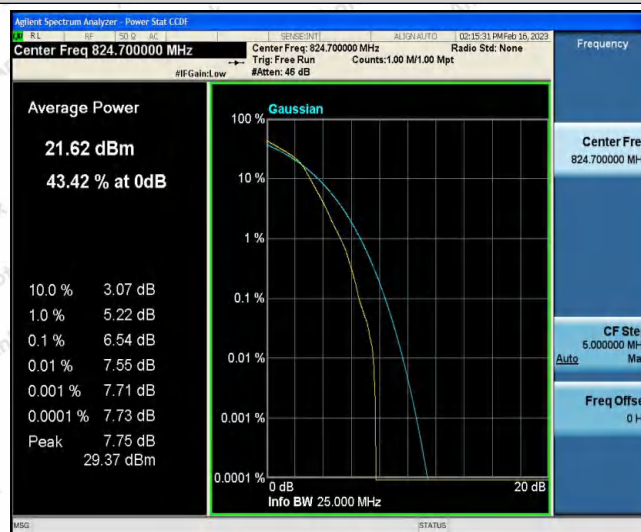




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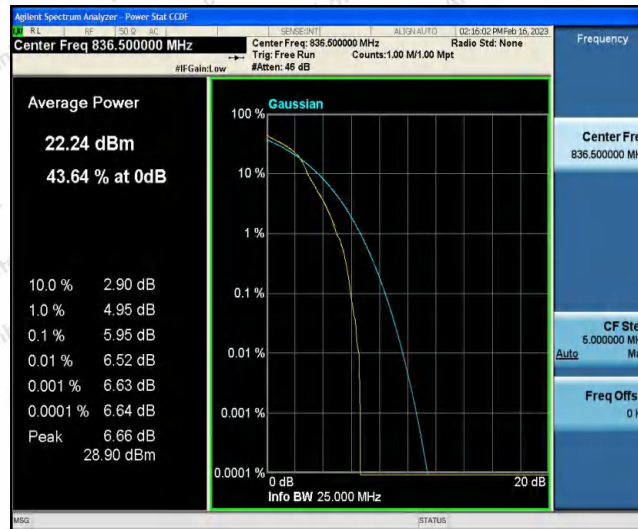


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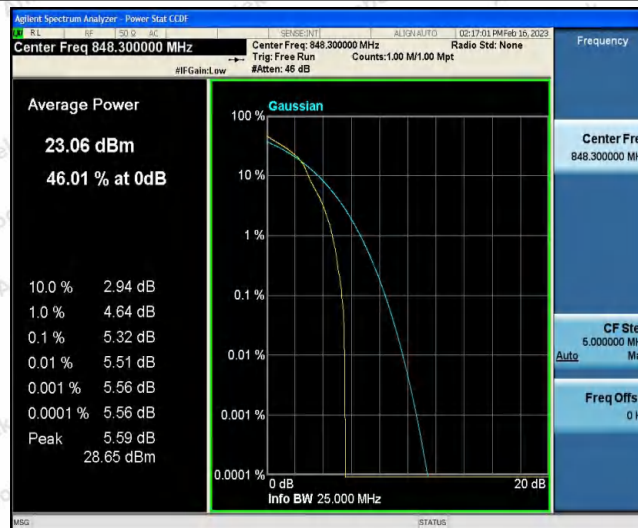
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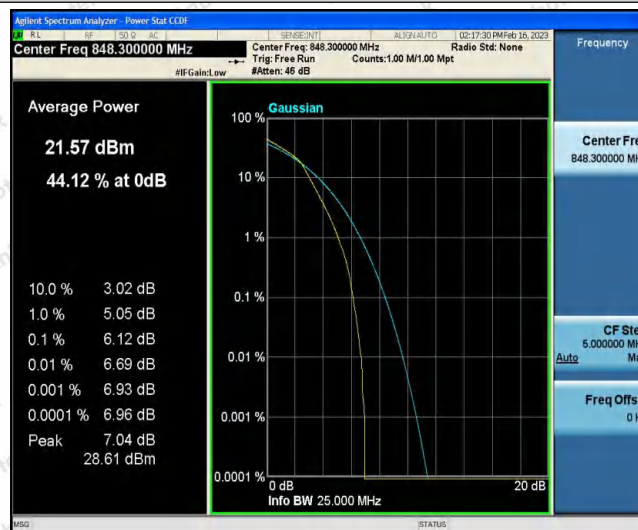


Band5-1.4MHz-16QAM-20525-6RB#0

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



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



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

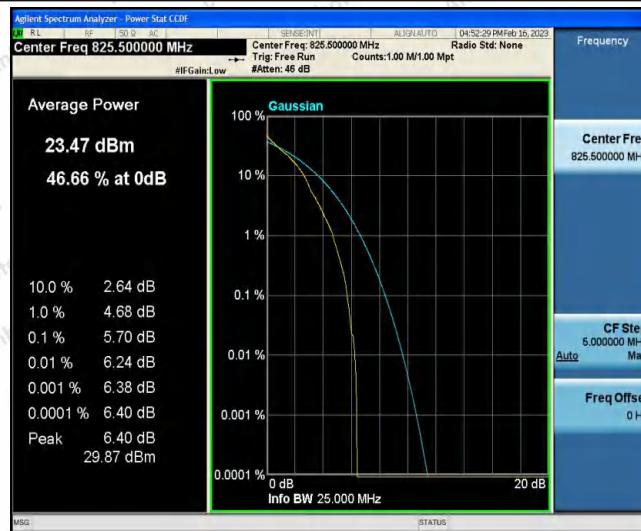
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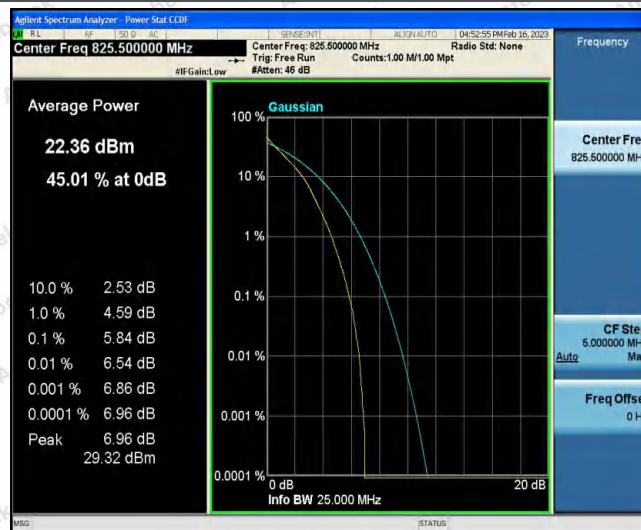


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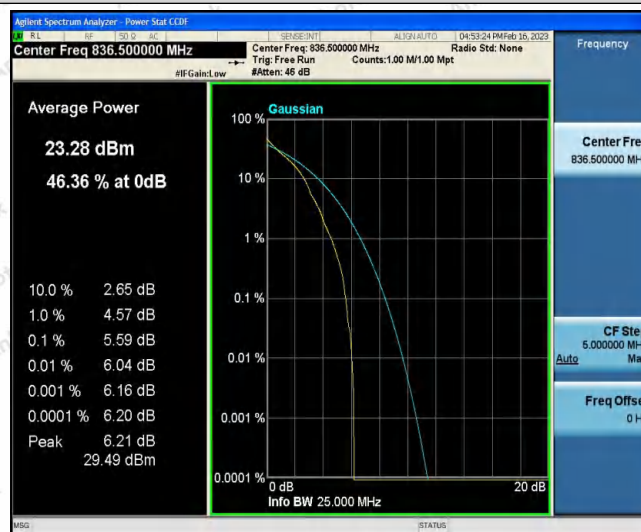




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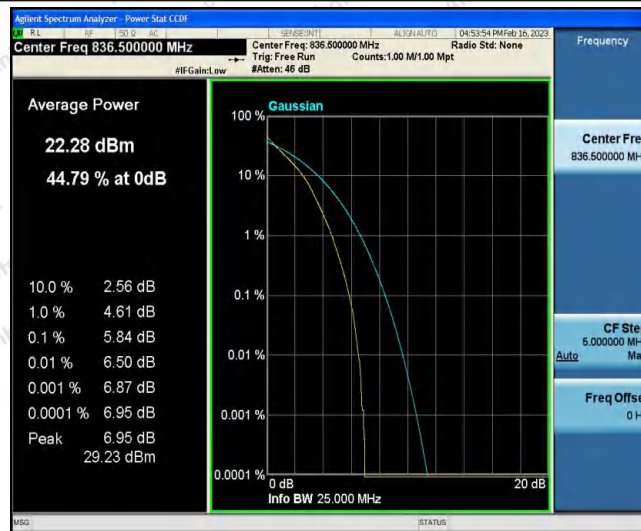


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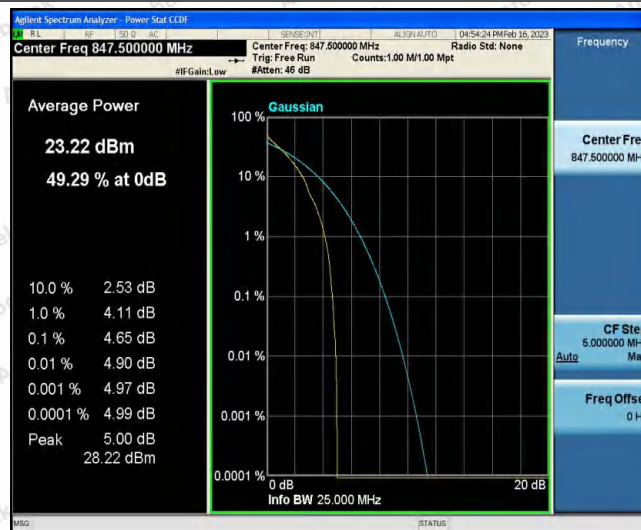


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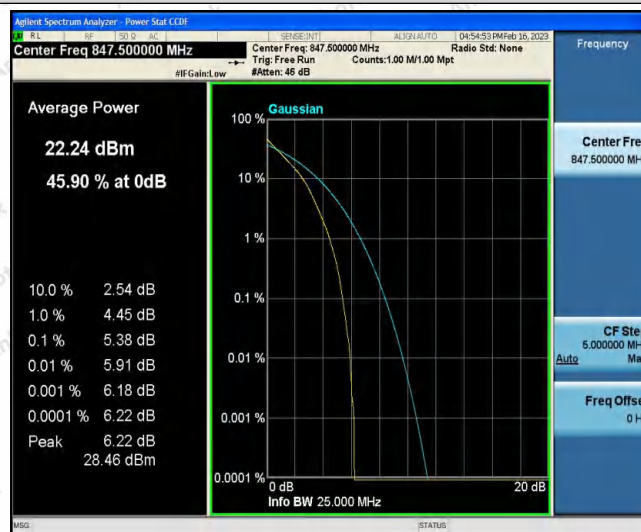




Band5-3MHz-QPSK-20635-1RB#0



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



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

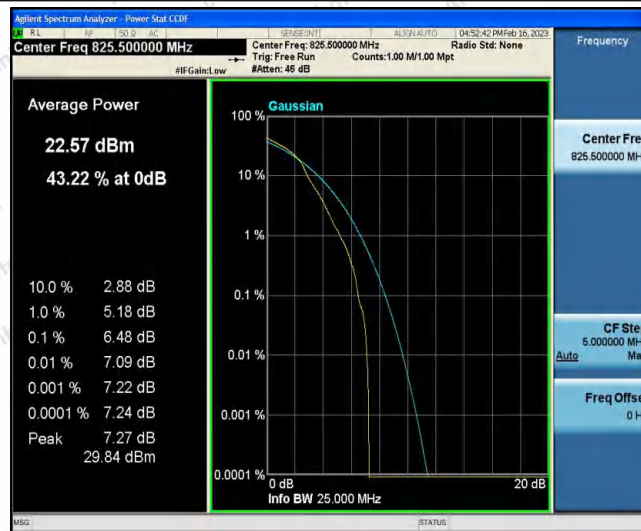
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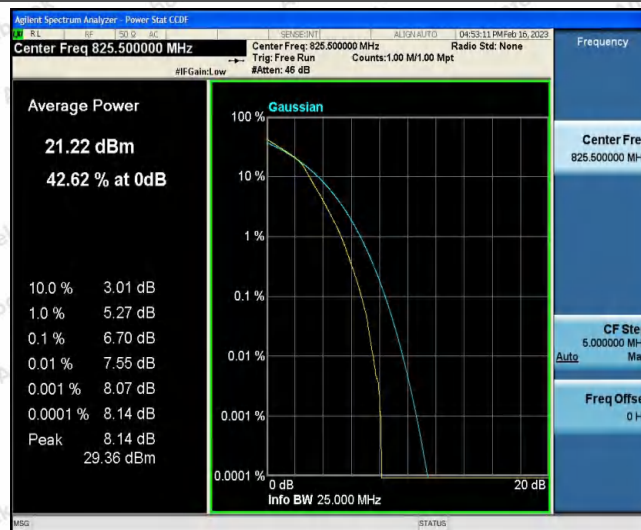


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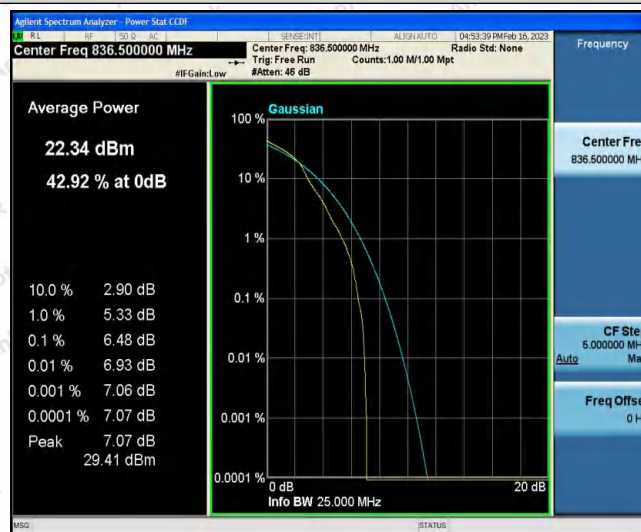




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Band5-3MHz-16QAM-20525-1RB#0



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

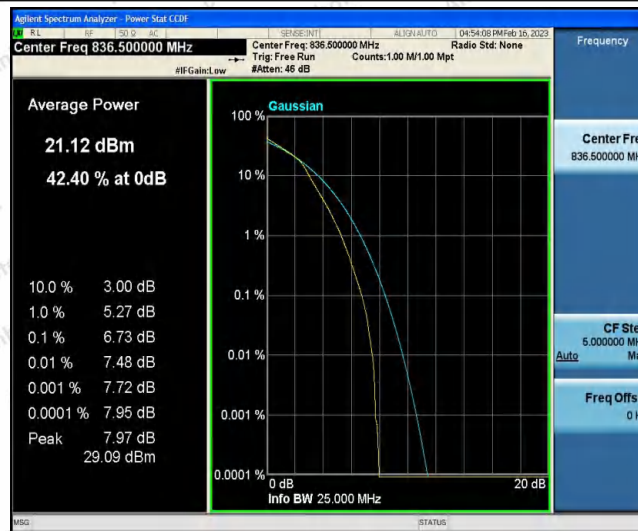
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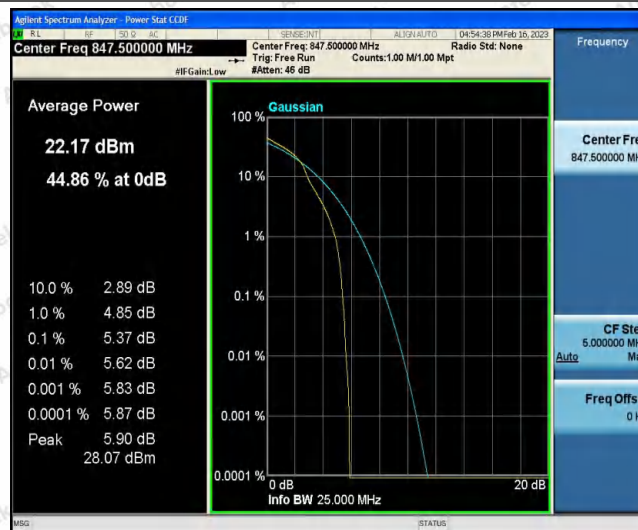


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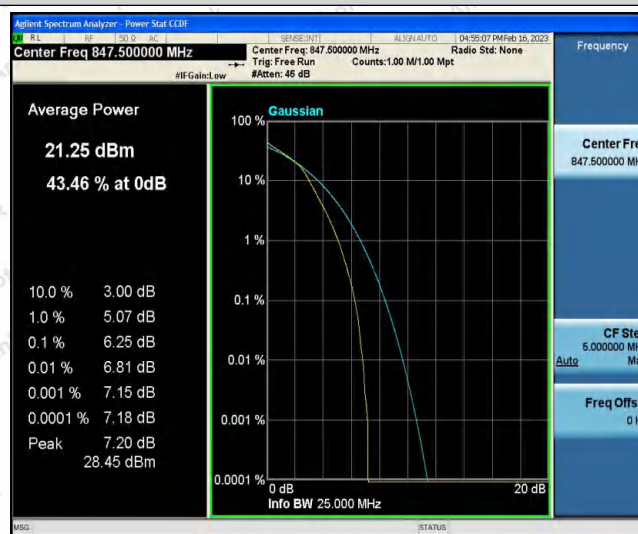




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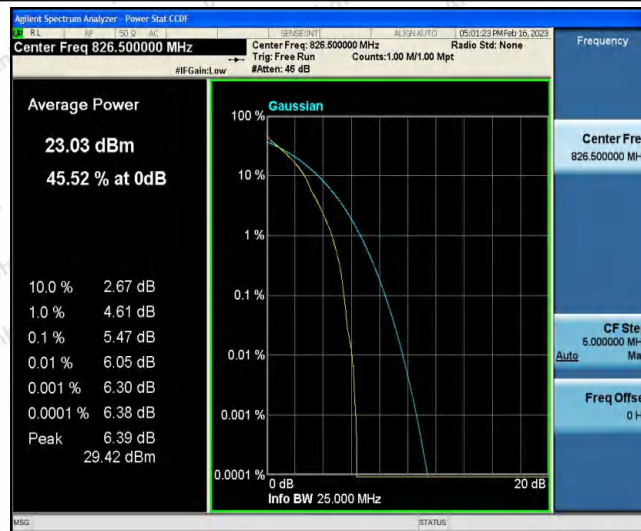
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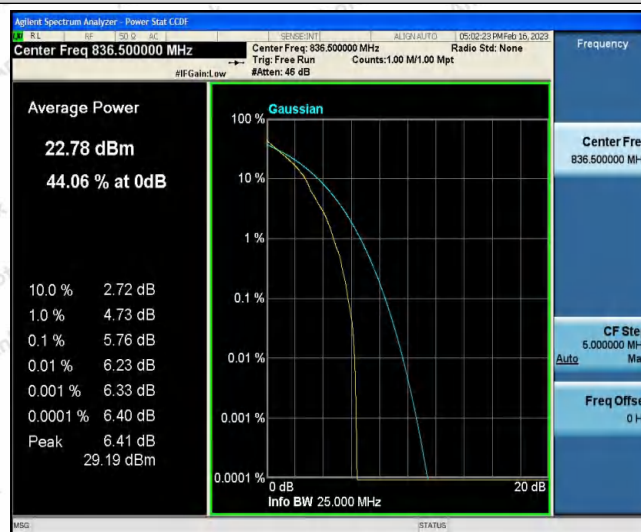




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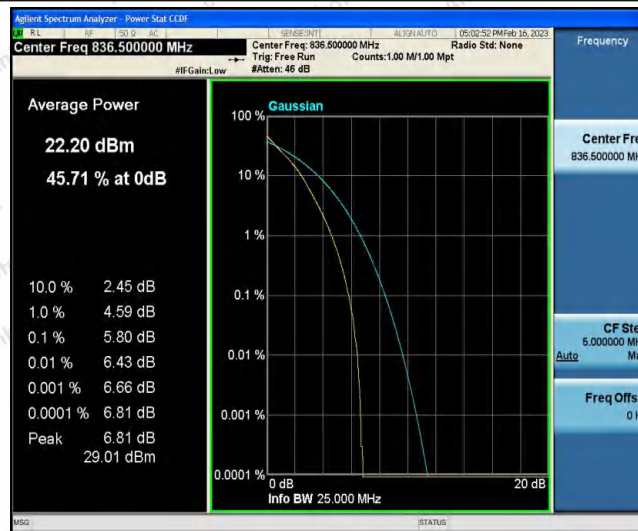
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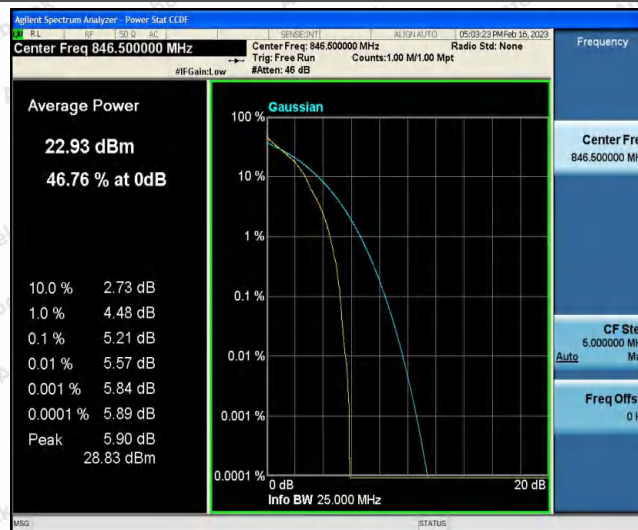


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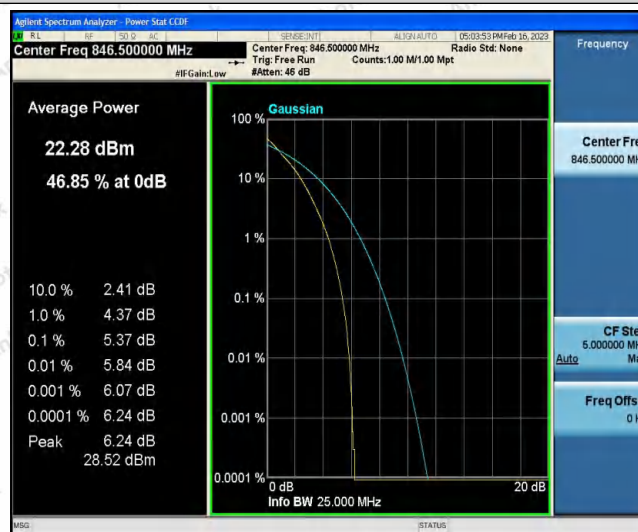




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Band5-5MHz-QPSK-20625-25RB#0



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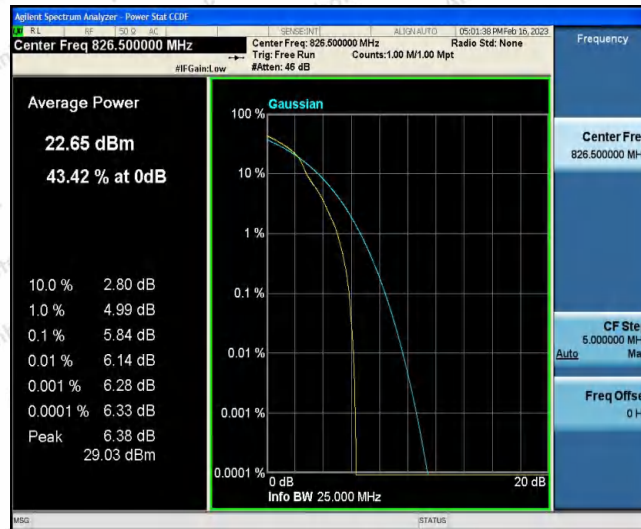
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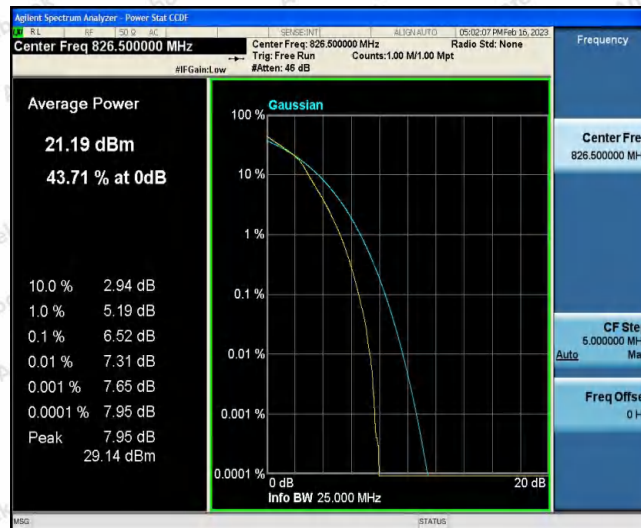


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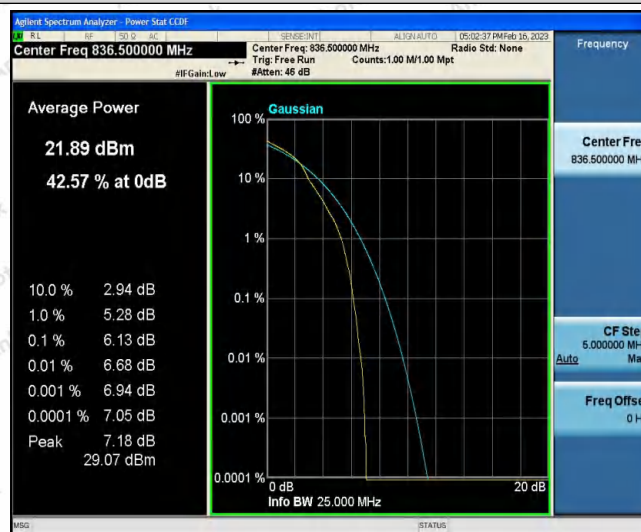




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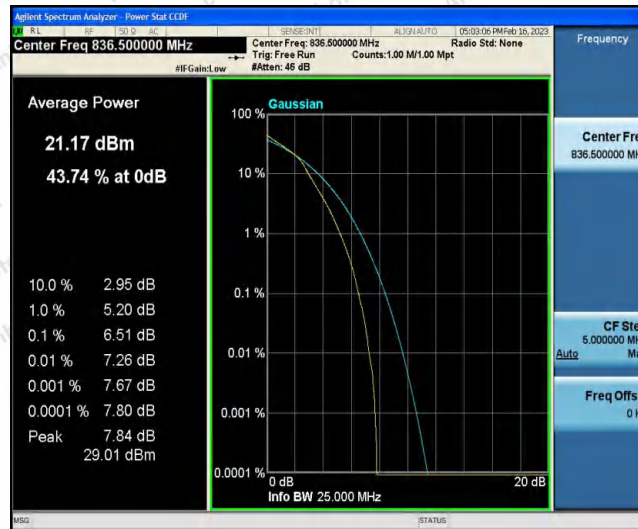
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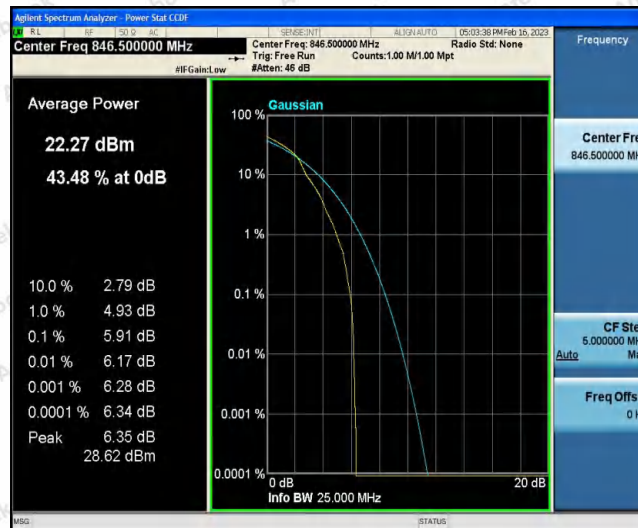


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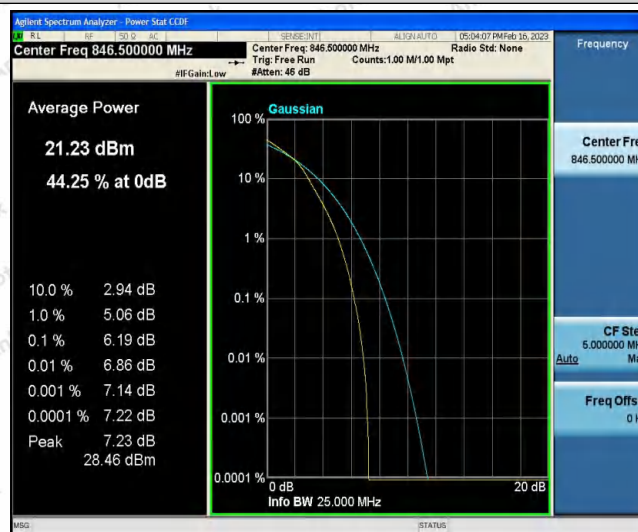




Band5-5MHz-16QAM-20625-1RB#0



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

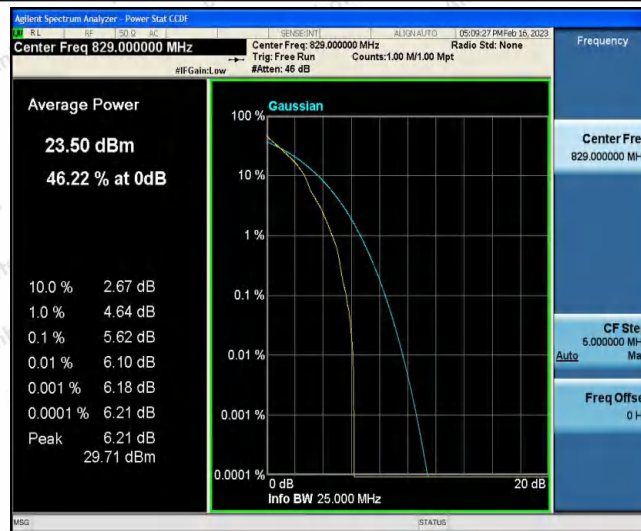
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

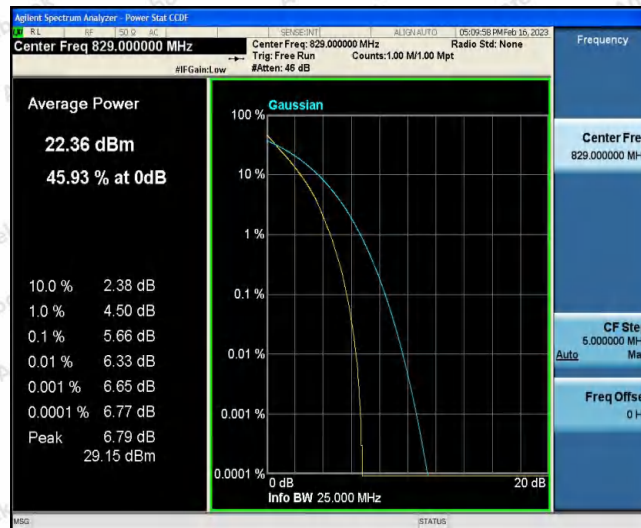


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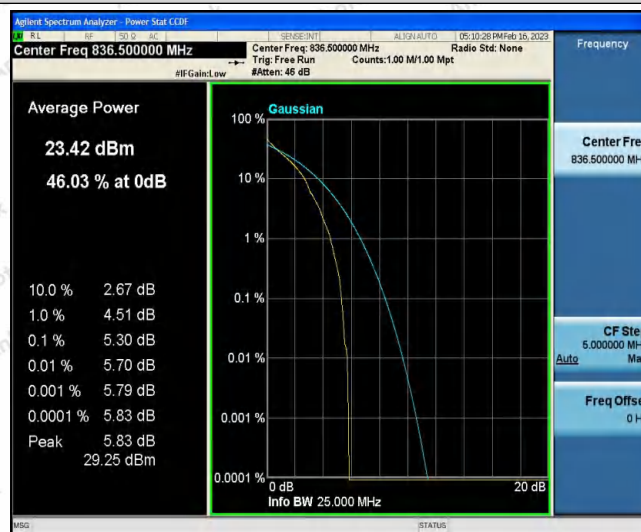




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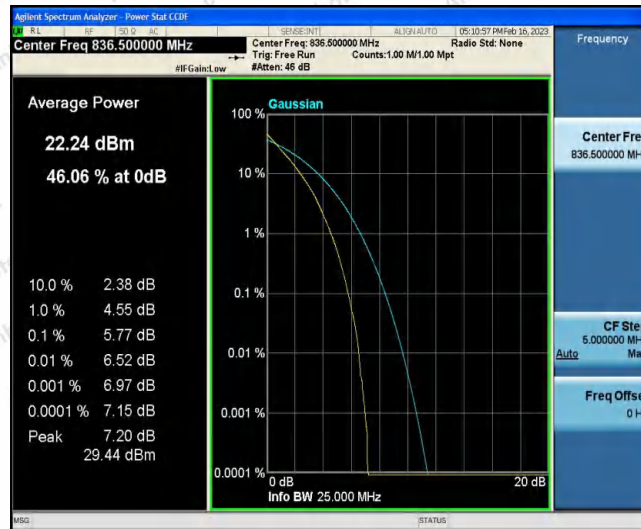
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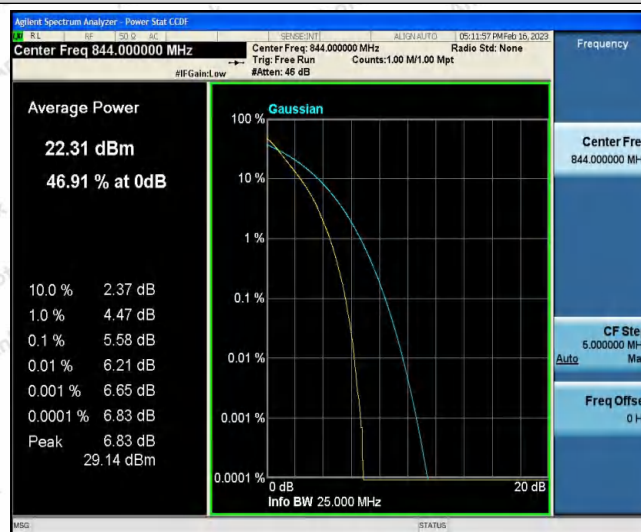




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Band5-10MHz-QPSK-20600-50RB#0



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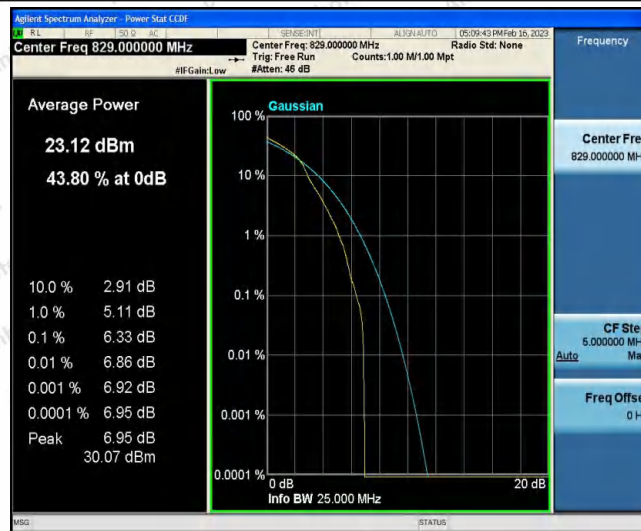
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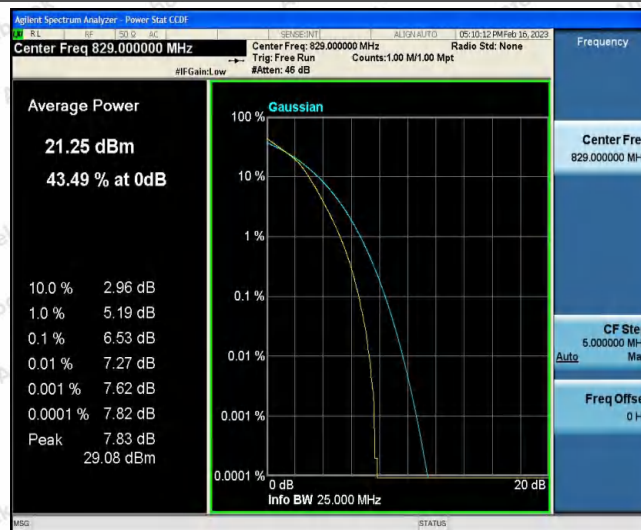


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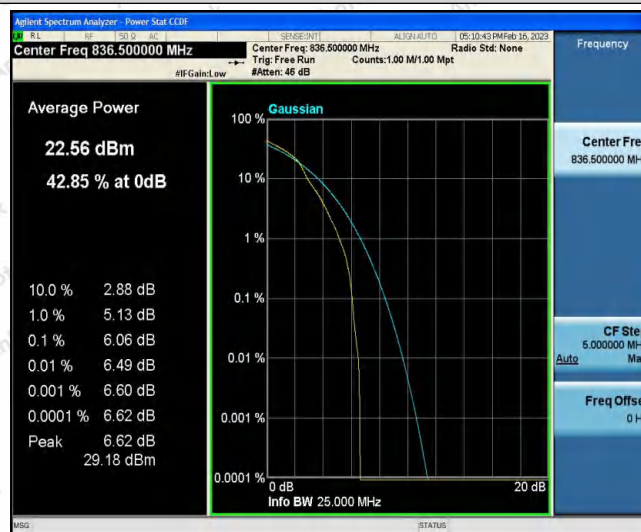




Band5-10MHz-16QAM-20450-50RB#0



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



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

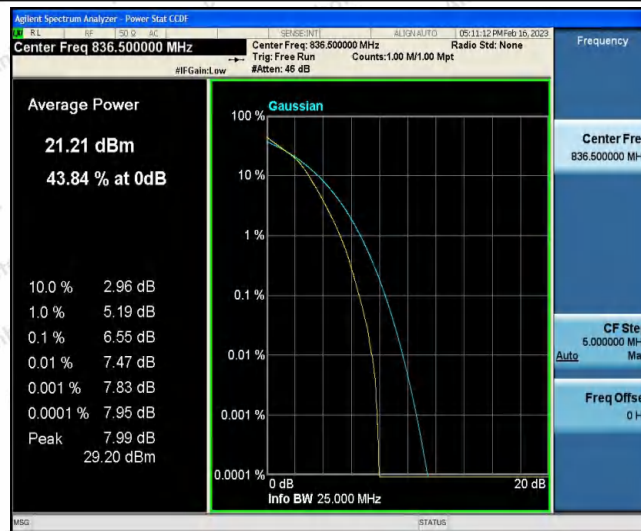
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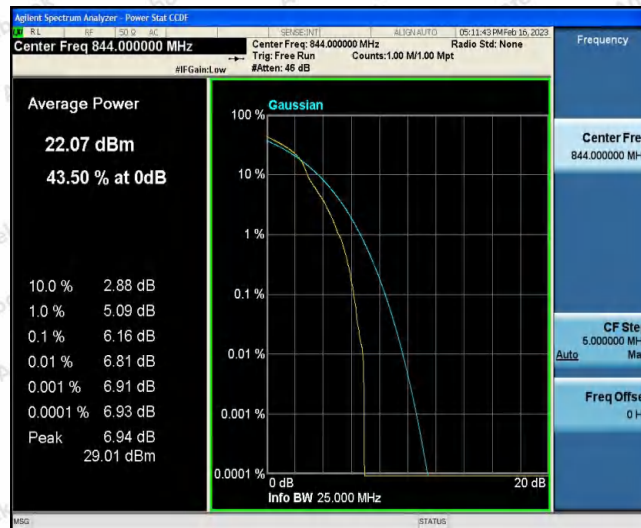


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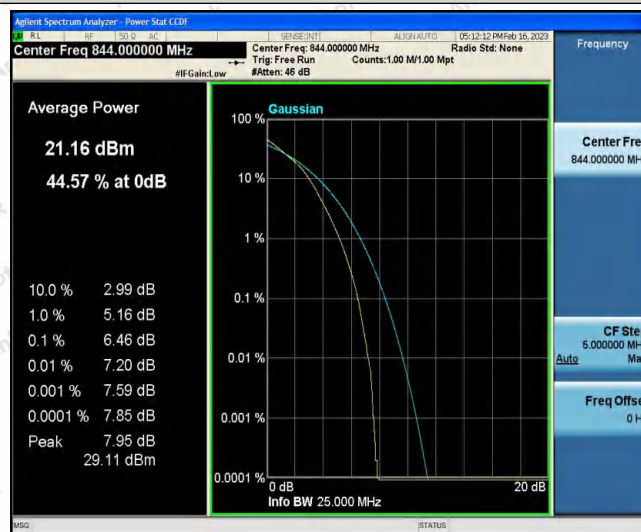




Band5-10MHz-16QAM-20600-1RB#0



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



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Appendix C: 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	1.0853	1.249	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0903	1.266	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0969	1.255	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0878	1.268	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0865	1.231	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0891	1.263	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6957	2.934	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6965	2.915	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6898	2.917	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6894	2.906	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6948	2.924	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6895	2.909	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4799	4.855	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4898	4.846	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4792	4.803	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4920	4.826	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4918	4.881	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4861	4.807	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9648	9.525	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9662	9.541	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9566	9.524	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9412	9.510	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9586	9.505	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9374	9.490	PASS



Test Graphs

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



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



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

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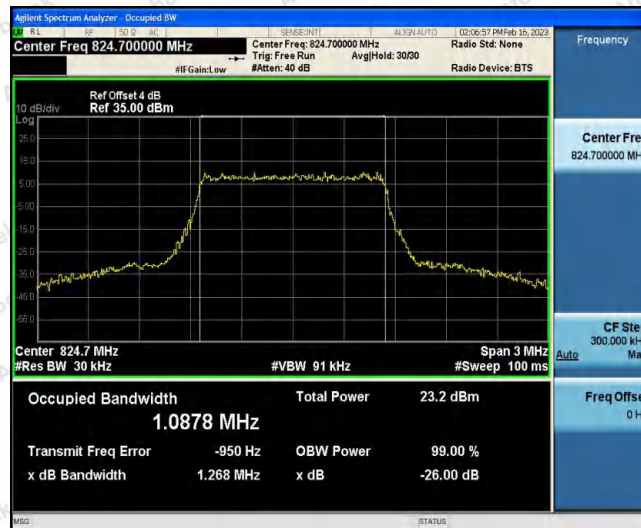


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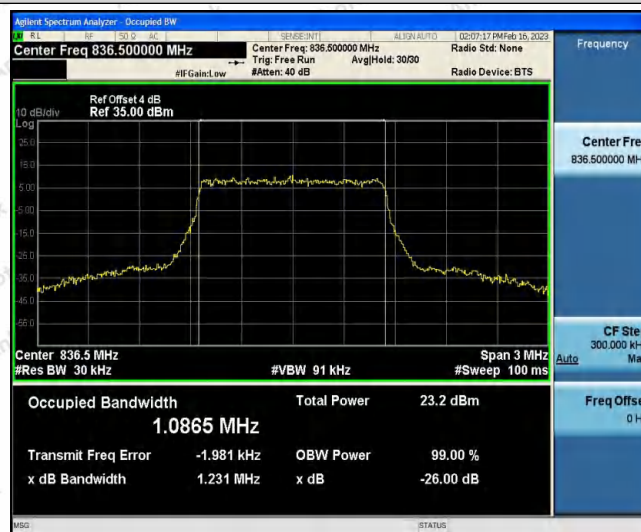




Band5-1.4MHz-16QAM-20407-6RB#0



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



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

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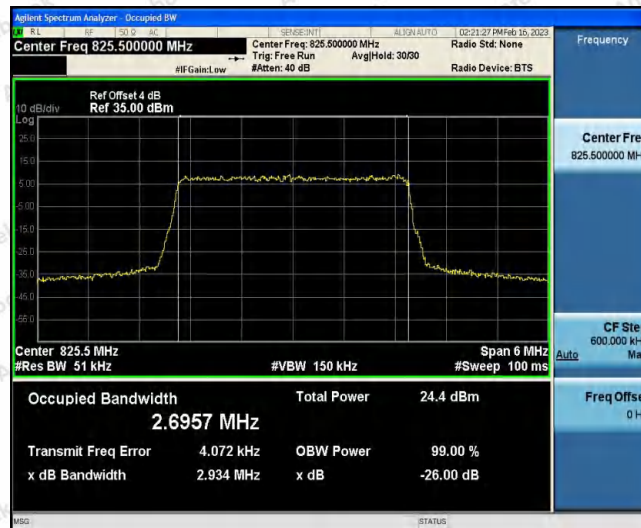


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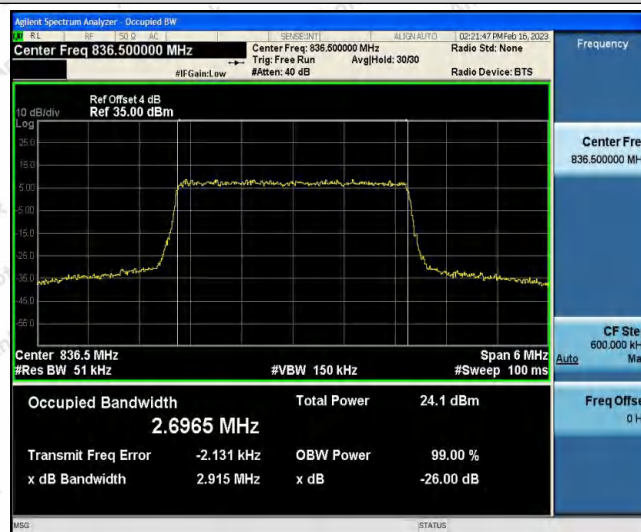




Band5-3MHz-QPSK-20415-15RB#0



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



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

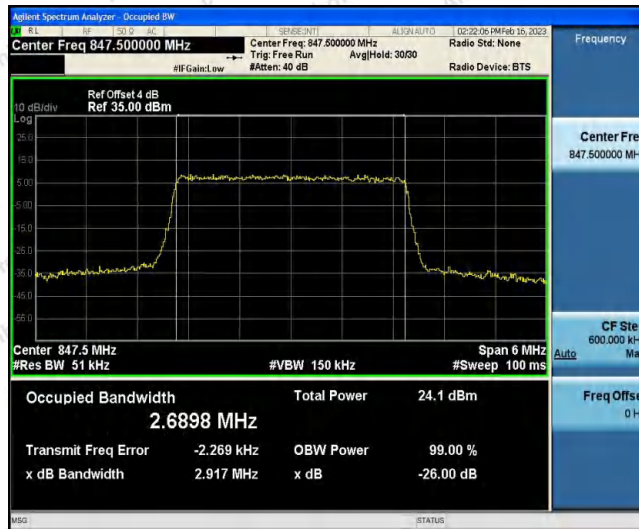
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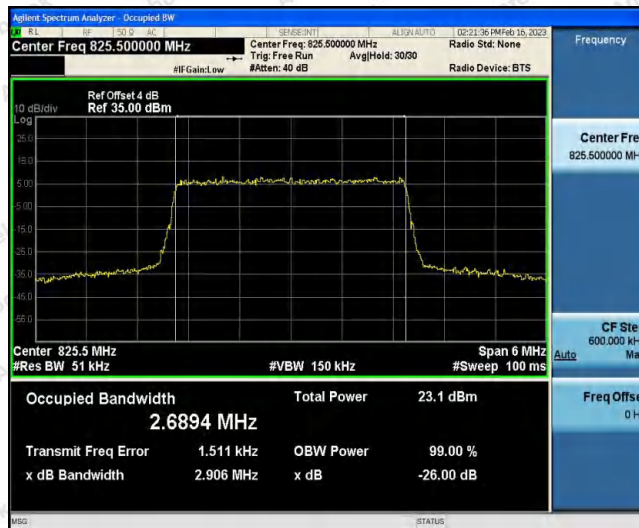


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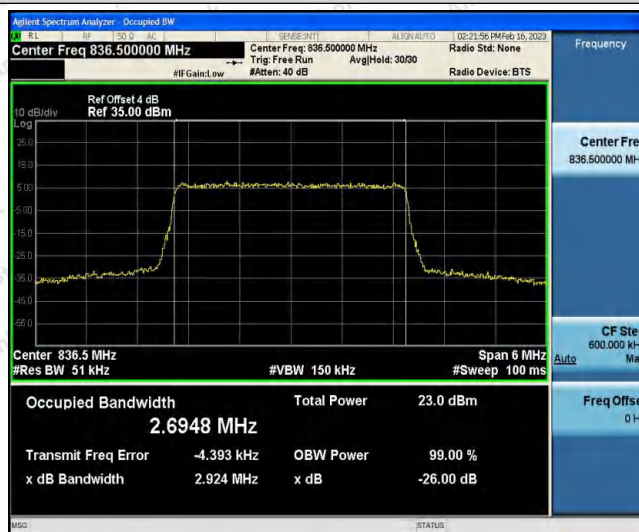




Band5-3MHz-16QAM-20415-15RB#0



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



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

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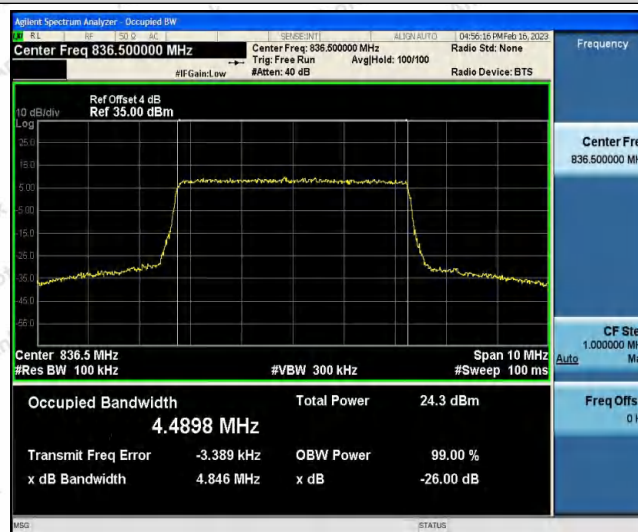




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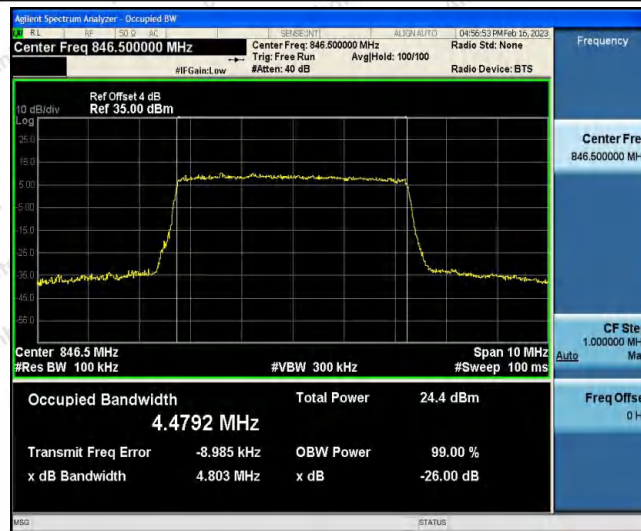


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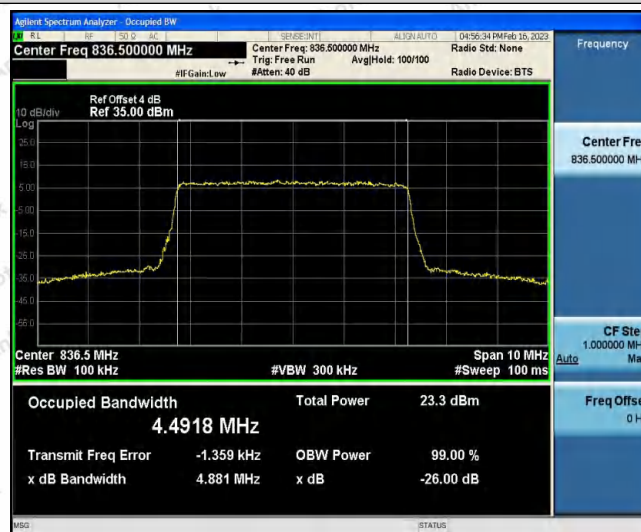




Band5-5MHz-16QAM-20425-25RB#0



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



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

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



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



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





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



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



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

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Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-18.96	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-47.39	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-23.51	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-41.12	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-18.14	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-24.26	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-20.65	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-47.31	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-25.18	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-41.77	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-17.14	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-25.71	PASS
Band5	3MHz	QPSK	20415	1RB#0	-15.77	PASS
Band5	3MHz	QPSK	20415	1RB#14	-42.00	PASS
Band5	3MHz	QPSK	20415	15RB#0	-21.11	PASS
Band5	3MHz	QPSK	20635	1RB#0	-43.44	PASS
Band5	3MHz	QPSK	20635	1RB#14	-15.71	PASS
Band5	3MHz	QPSK	20635	15RB#0	-22.10	PASS
Band5	3MHz	16QAM	20415	1RB#0	-16.99	PASS
Band5	3MHz	16QAM	20415	1RB#14	-42.37	PASS
Band5	3MHz	16QAM	20415	15RB#0	-22.59	PASS
Band5	3MHz	16QAM	20635	1RB#0	-44.34	PASS
Band5	3MHz	16QAM	20635	1RB#14	-17.09	PASS
Band5	3MHz	16QAM	20635	15RB#0	-23.92	PASS
Band5	5MHz	QPSK	20425	1RB#0	-16.98	PASS
Band5	5MHz	QPSK	20425	1RB#24	-48.69	PASS
Band5	5MHz	QPSK	20425	25RB#0	-22.20	PASS
Band5	5MHz	QPSK	20625	1RB#0	-50.49	PASS
Band5	5MHz	QPSK	20625	1RB#24	-15.10	PASS
Band5	5MHz	QPSK	20625	25RB#0	-24.33	PASS
Band5	5MHz	16QAM	20425	1RB#0	-14.59	PASS
Band5	5MHz	16QAM	20425	1RB#24	-51.20	PASS
Band5	5MHz	16QAM	20425	25RB#0	-23.76	PASS
Band5	5MHz	16QAM	20625	1RB#0	-52.34	PASS
Band5	5MHz	16QAM	20625	1RB#24	-15.50	PASS

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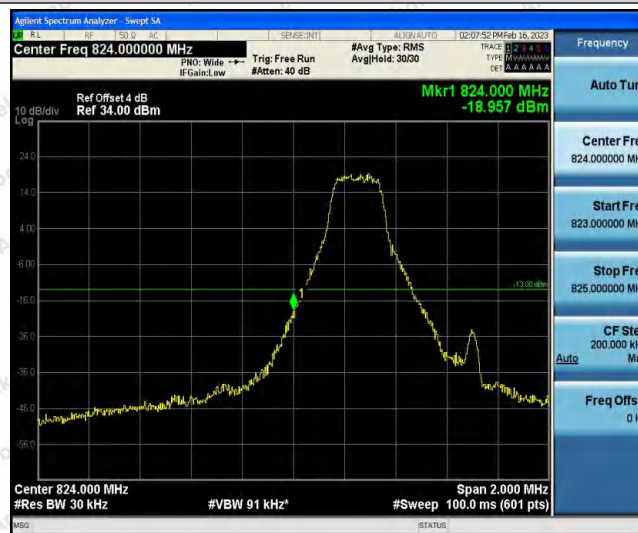
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Band5	5MHz	16QAM	20625	25RB#0	-22.70	PASS
Band5	10MHz	QPSK	20450	1RB#0	-21.32	PASS
Band5	10MHz	QPSK	20450	1RB#49	-49.97	PASS
Band5	10MHz	QPSK	20450	50RB#0	-26.35	PASS
Band5	10MHz	QPSK	20600	1RB#0	-50.96	PASS
Band5	10MHz	QPSK	20600	1RB#49	-22.27	PASS
Band5	10MHz	QPSK	20600	50RB#0	-26.69	PASS
Band5	10MHz	16QAM	20450	1RB#0	-22.93	PASS
Band5	10MHz	16QAM	20450	1RB#49	-50.99	PASS
Band5	10MHz	16QAM	20450	50RB#0	-28.87	PASS
Band5	10MHz	16QAM	20600	1RB#0	-51.82	PASS
Band5	10MHz	16QAM	20600	1RB#49	-23.07	PASS
Band5	10MHz	16QAM	20600	50RB#0	-28.52	PASS

Test Graphs

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



Band5-1.4MHz-QPSK-20407-1RB#5



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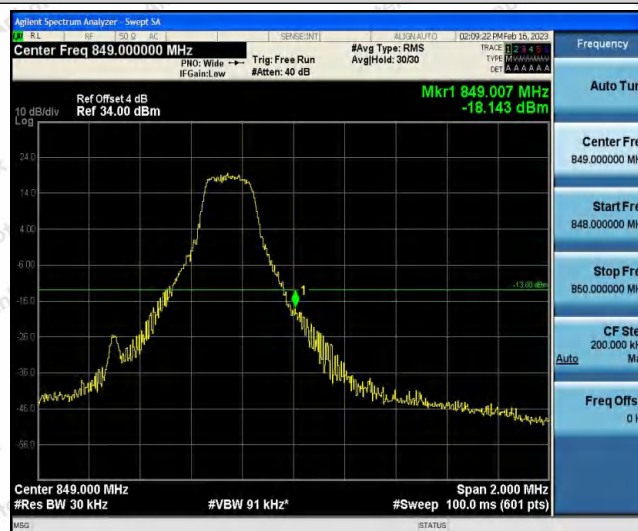
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Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-1RB#5



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

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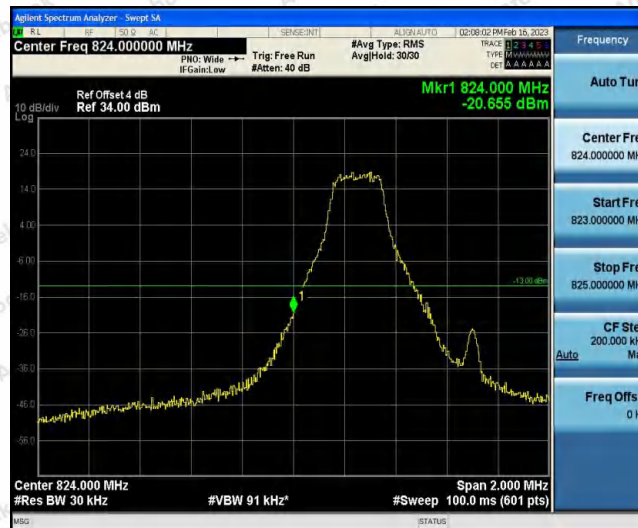


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Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-1RB#5



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

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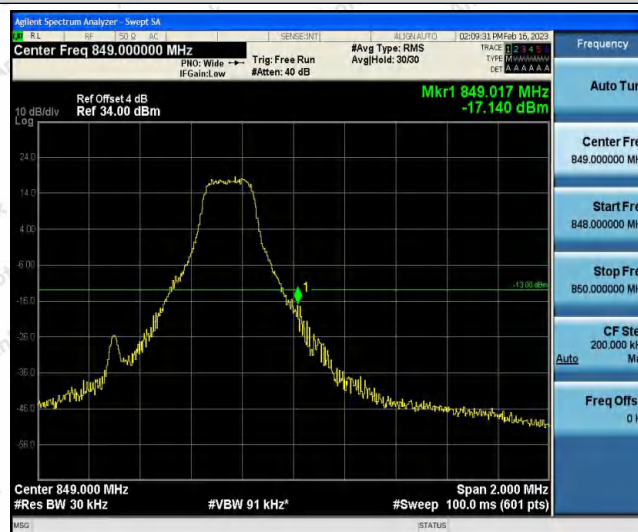




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Band5-1.4MHz-16QAM-20643-1RB#5



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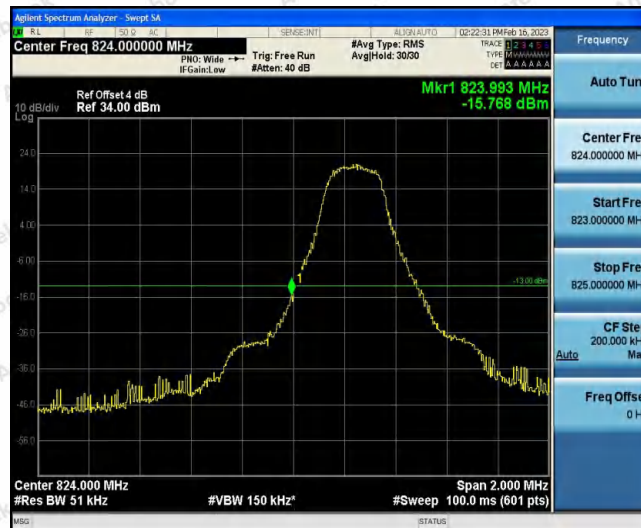


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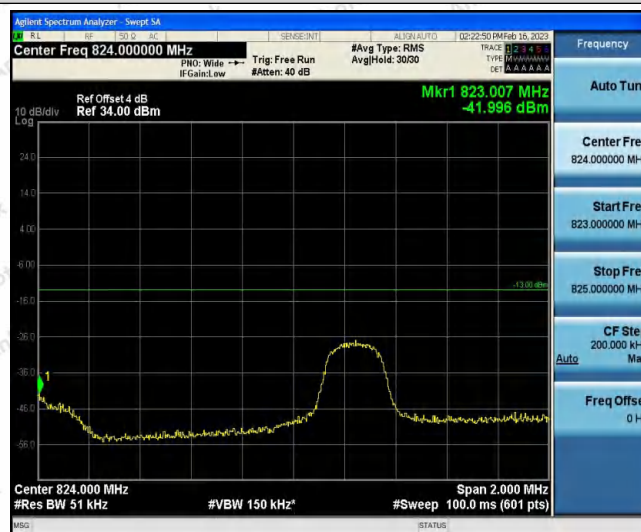




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Band5-3MHz-QPSK-20415-1RB#14



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

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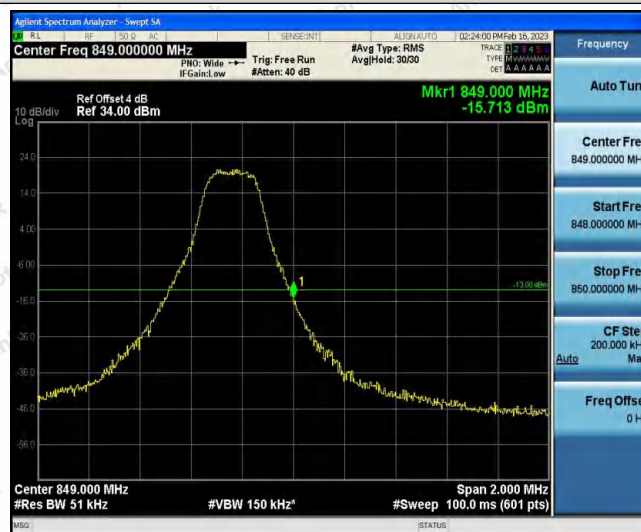




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Band5-3MHz-QPSK-20635-1RB#14



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

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



Band5-3MHz-16QAM-20415-1RB#14



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

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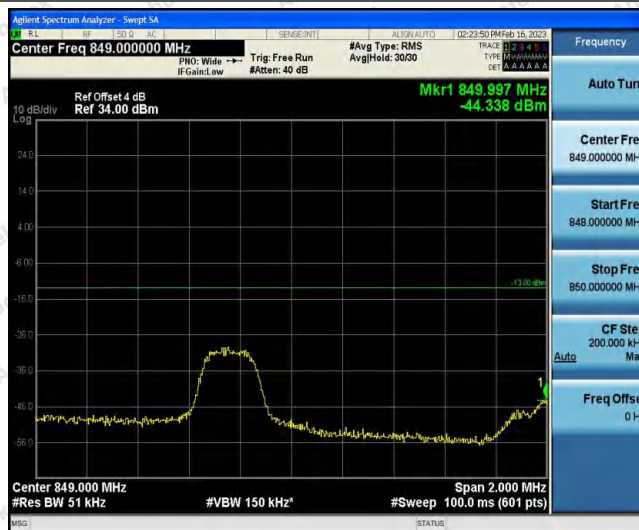


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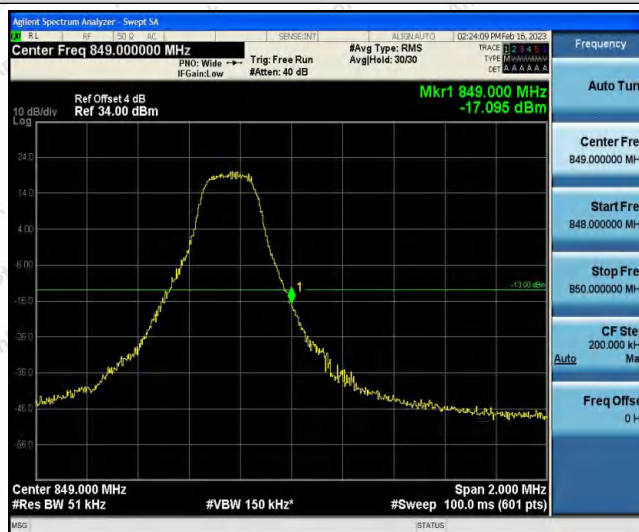




Band5-3MHz-16QAM-20635-1RB#0



Band5-3MHz-16QAM-20635-1RB#14



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

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Band5-5MHz-QPSK-20425-1RB#24



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



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

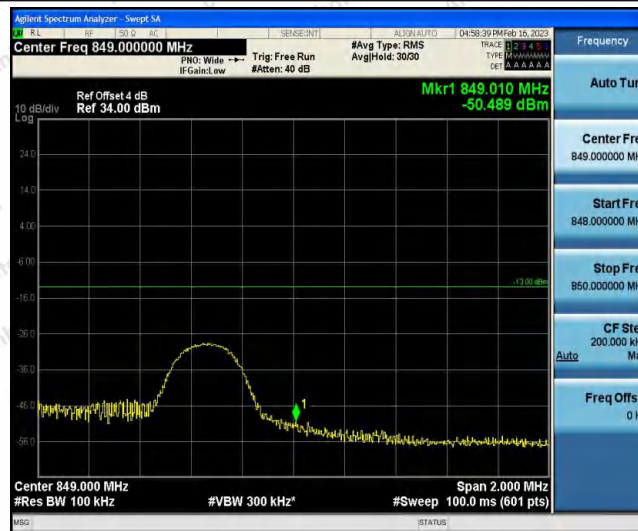
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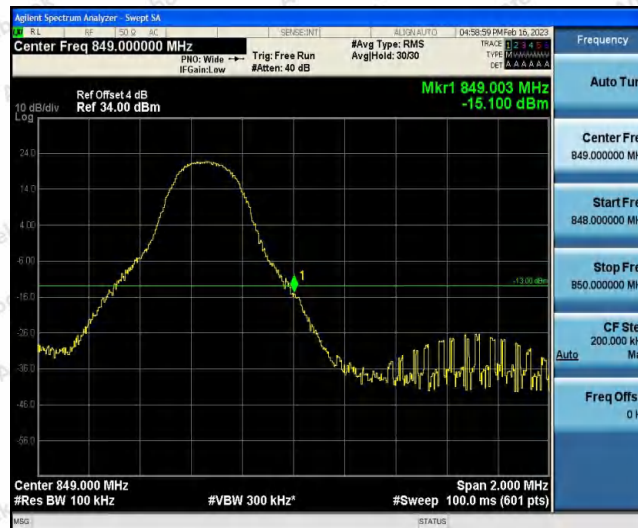


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Band5-5MHz-QPSK-20625-1RB#24



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



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

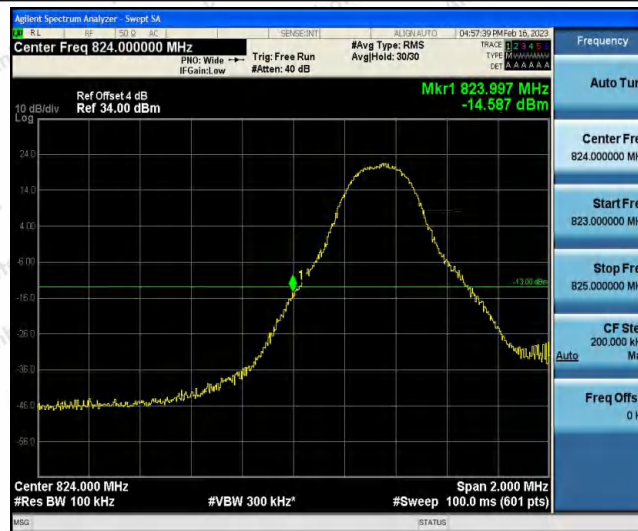
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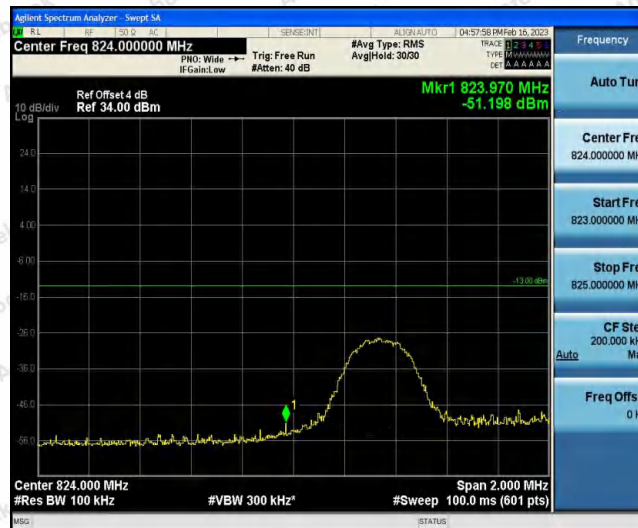


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Band5-5MHz-16QAM-20425-1RB#24



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



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

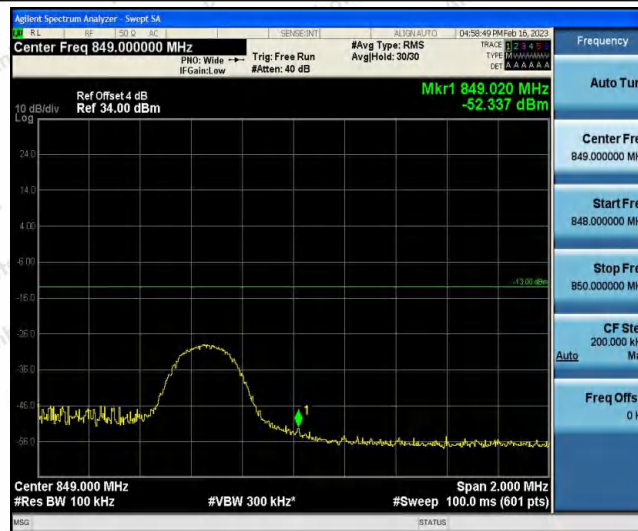
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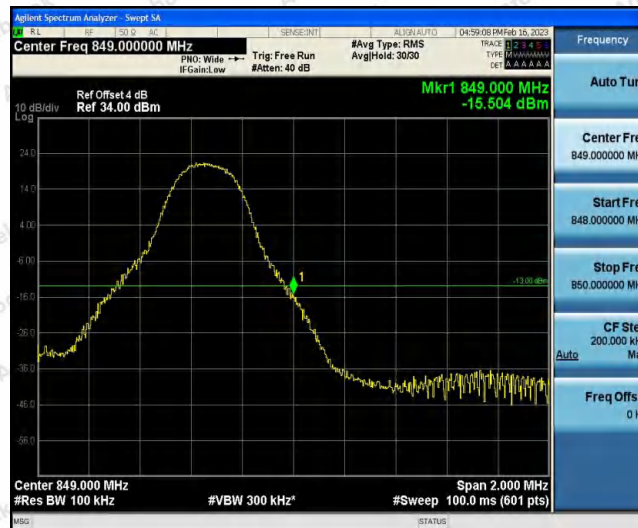


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Band5-5MHz-16QAM-20625-1RB#24



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



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

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Band5-10MHz-QPSK-20450-1RB#49



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



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

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Band5-10MHz-QPSK-20600-1RB#49



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



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

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Band5-10MHz-16QAM-20450-1RB#49



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



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

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Band5-10MHz-16QAM-20600-1RB#49



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



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Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-51.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-19.19	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-51.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-18.54	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-51.58	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-21.01	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-51.43	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-18.37	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-51.71	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-23.67	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-51.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-19.34	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-51.94	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-13.71	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-51.38	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-21.97	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-50.96	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-21.66	PASS

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Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-51.37	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-18.2	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-50.59	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-23.43	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-52.15	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-24.49	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-51.47	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-19.79	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-51.17	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-16.04	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-51.49	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-22.42	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-51.31	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-25.28	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-51.06	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-23.72	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-51.53	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-26.21	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-50.84	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-22.92	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-51.78	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-18.47	PASS

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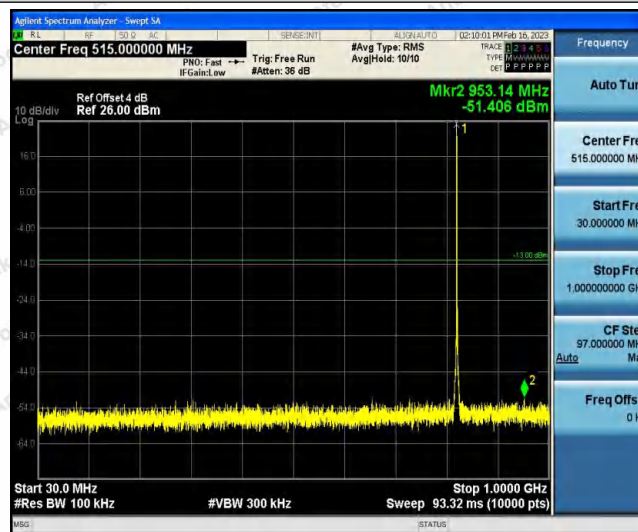
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Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-50.96	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-21.16	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-50.37	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-25.29	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-51.72	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-19.05	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-51.17	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-18.69	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz

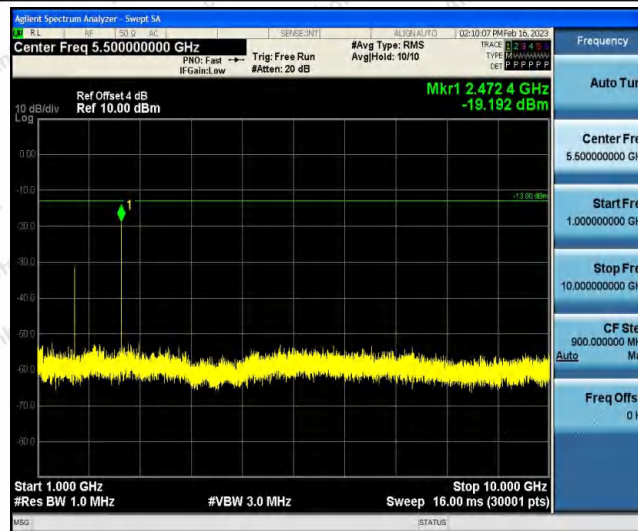
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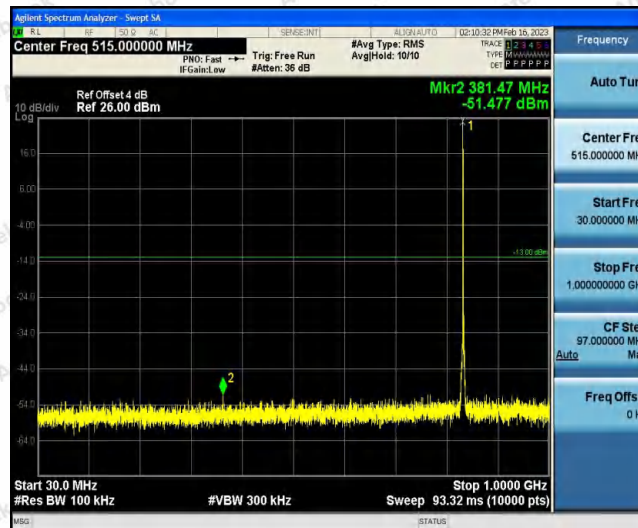


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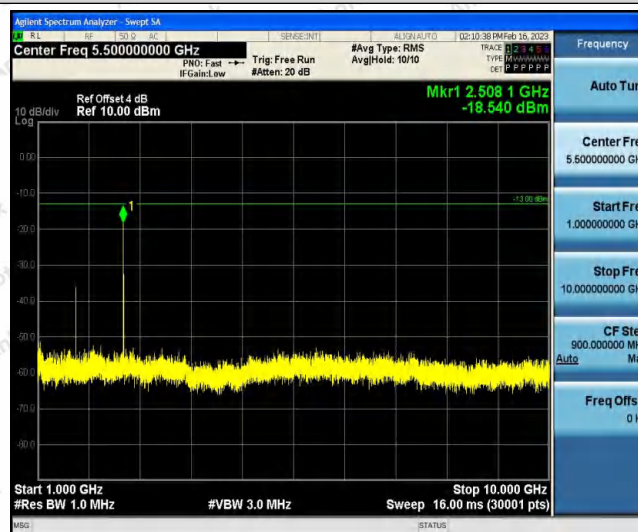




Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



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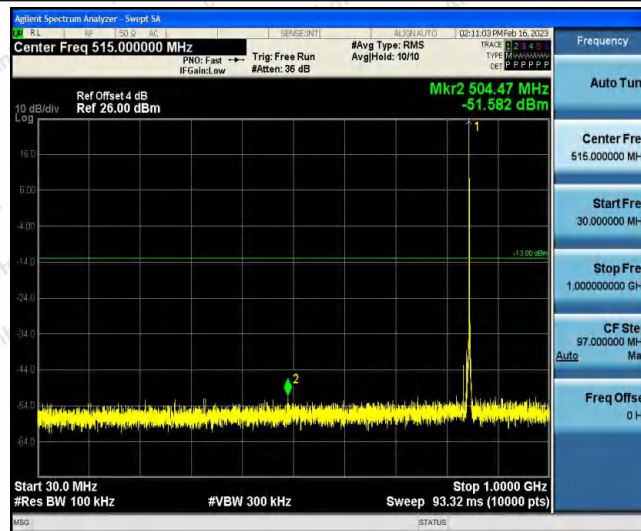
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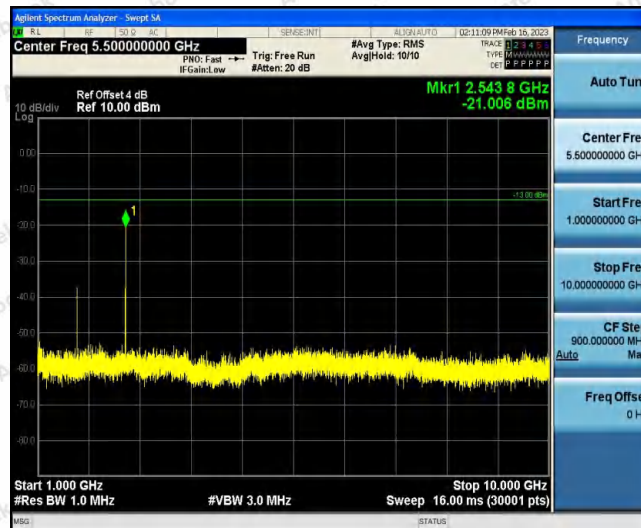


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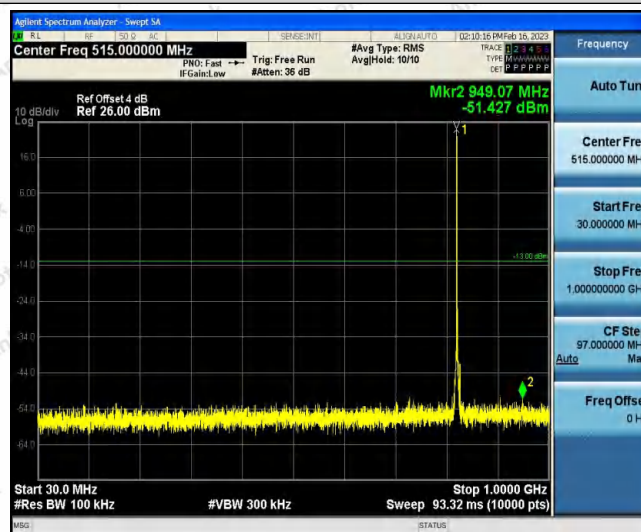




Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz

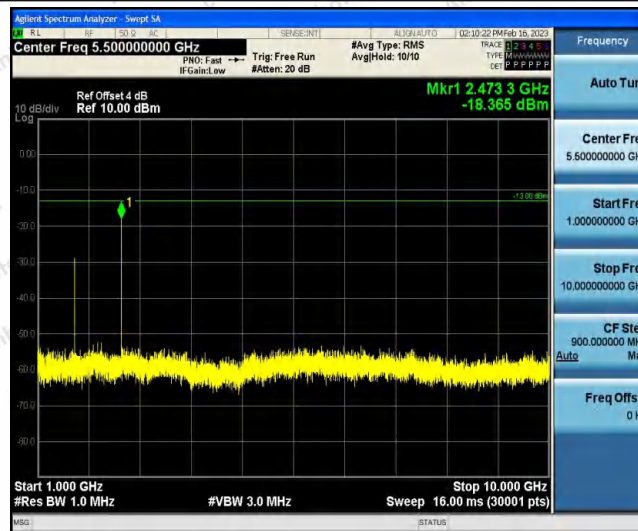
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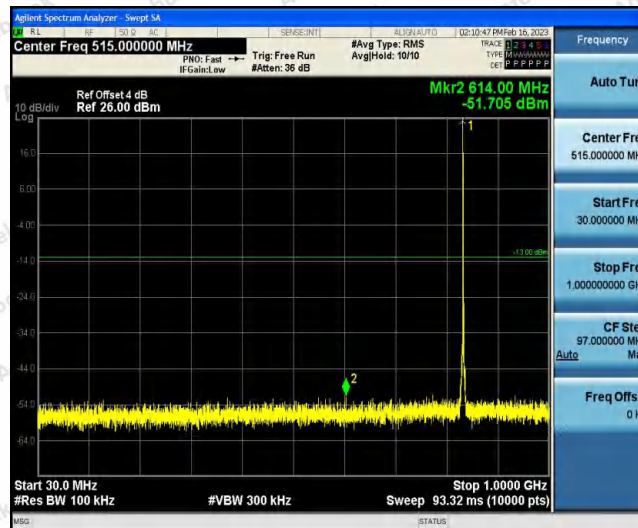


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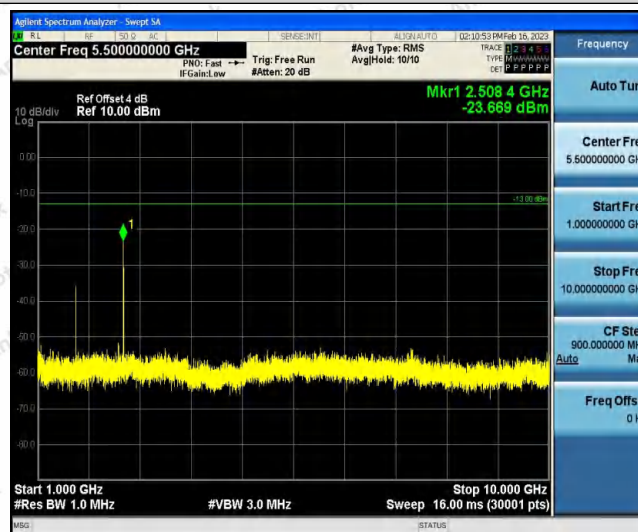




Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz

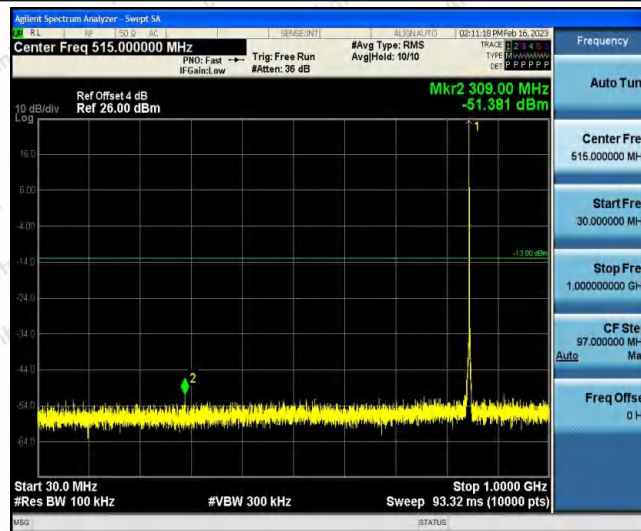
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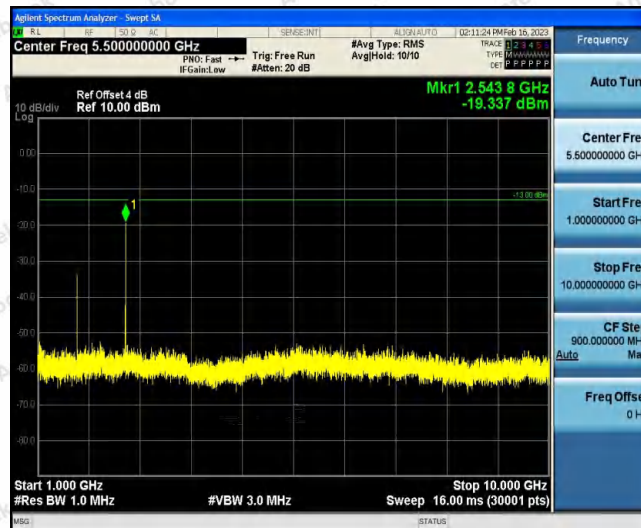


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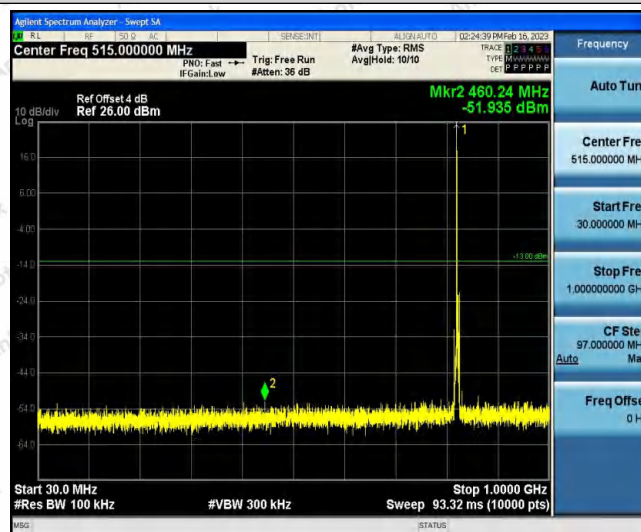




Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz

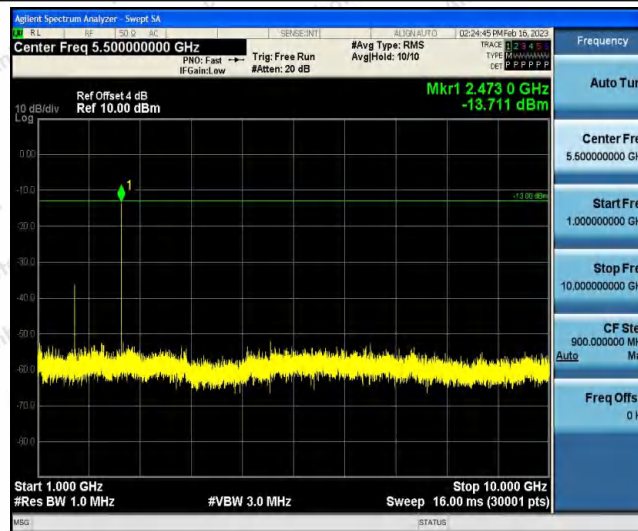
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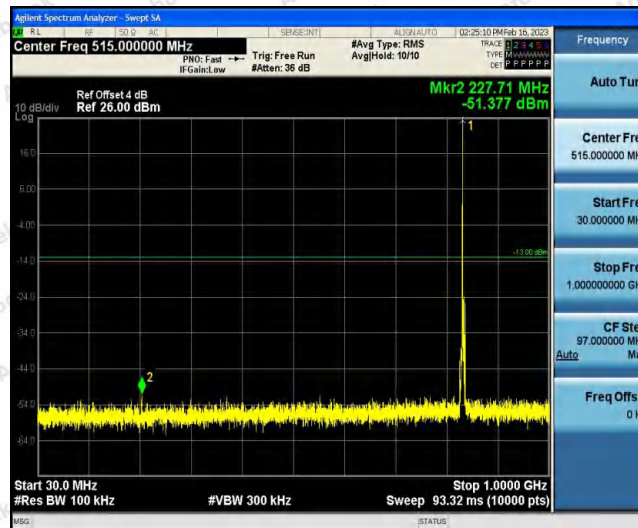


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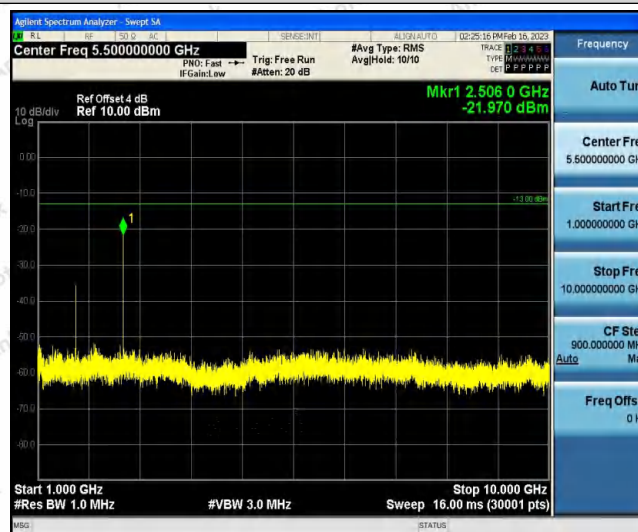




Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



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Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz

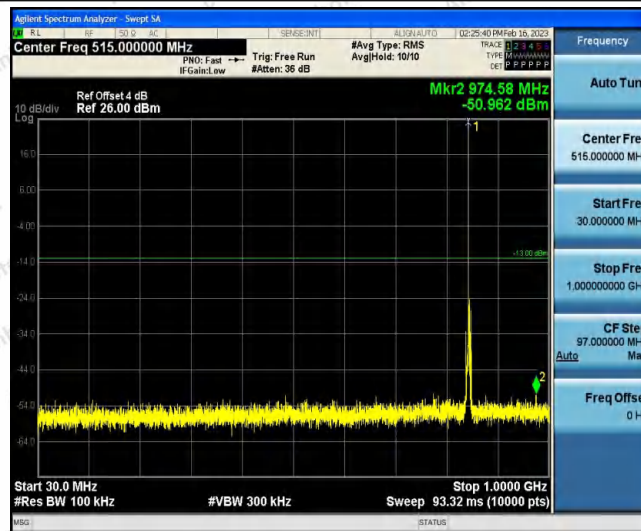
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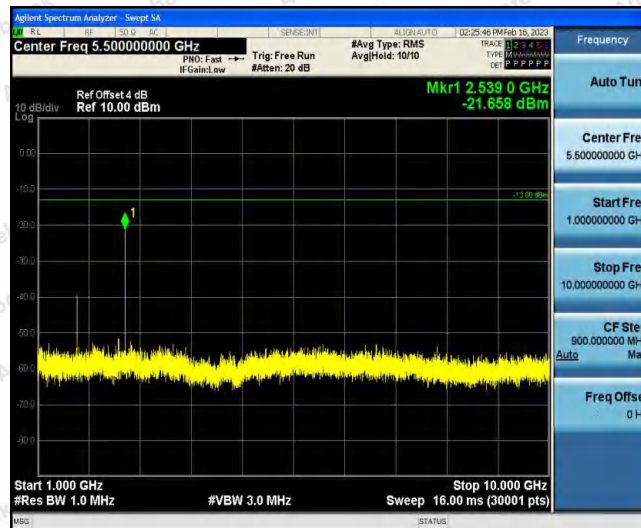


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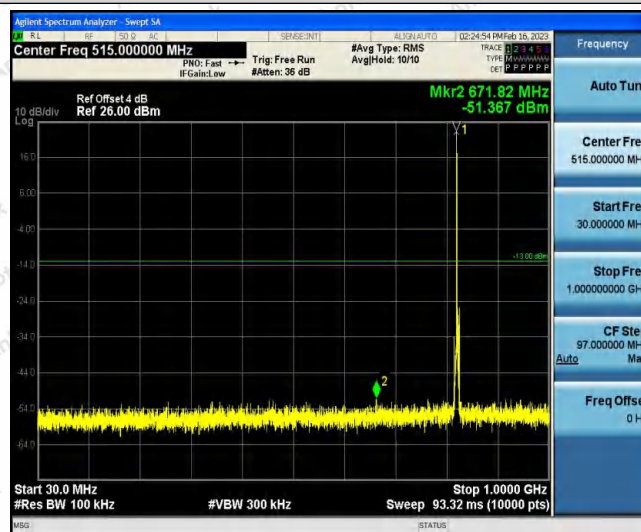




Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz

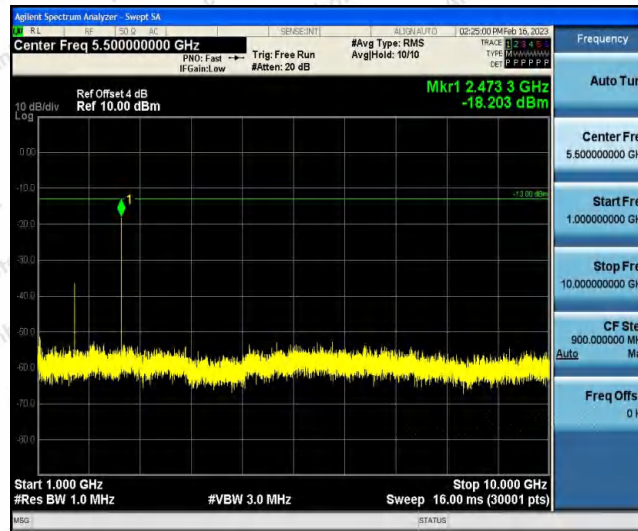
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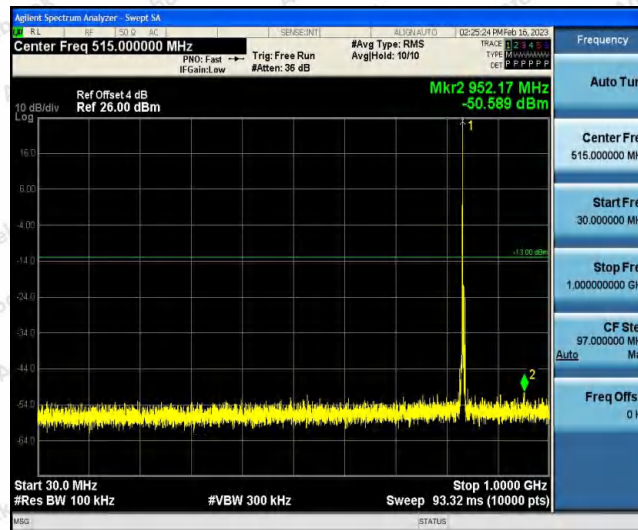


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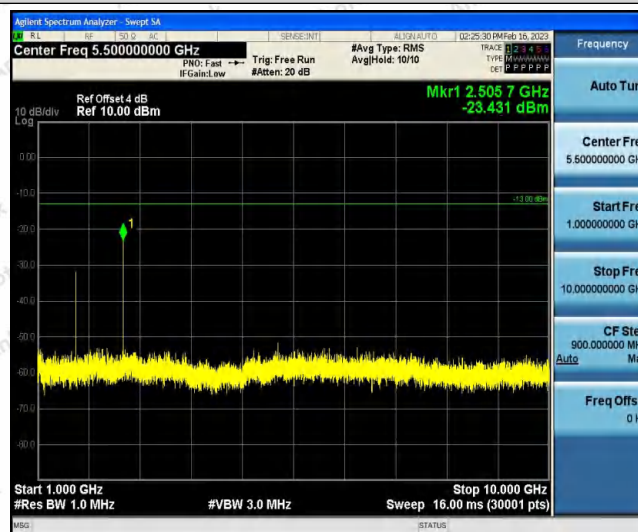




Band5-3MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20635-1RB#0-Range1:30~1000MHz

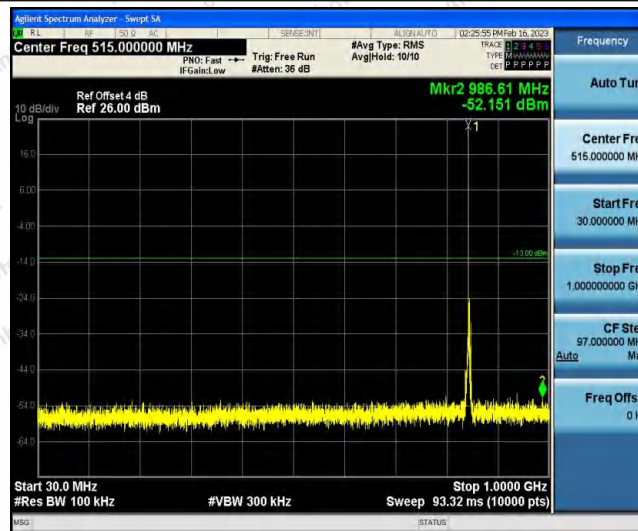
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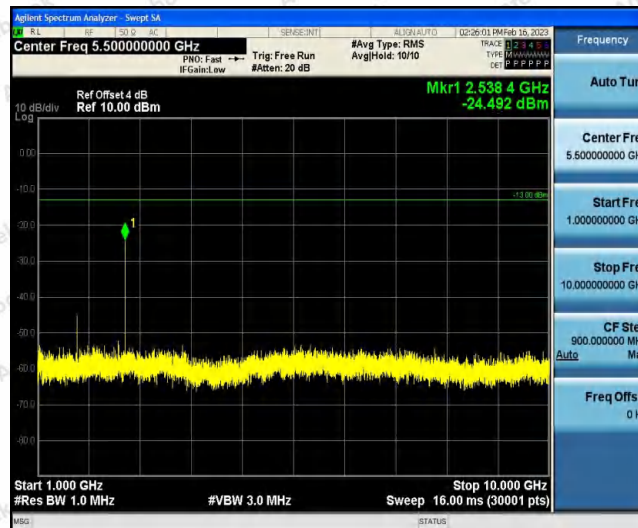


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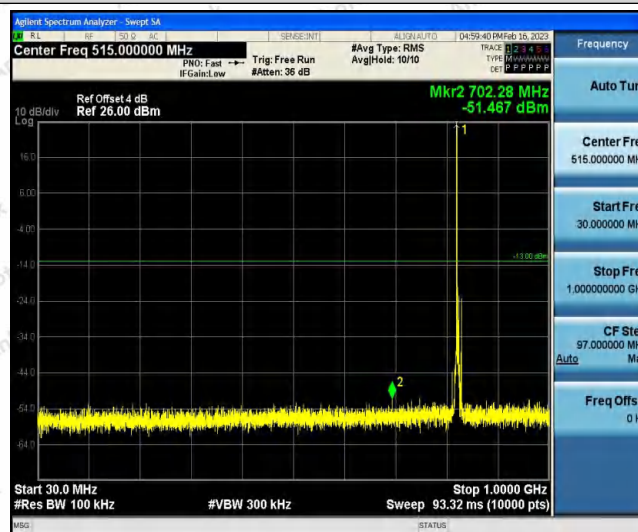




Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz

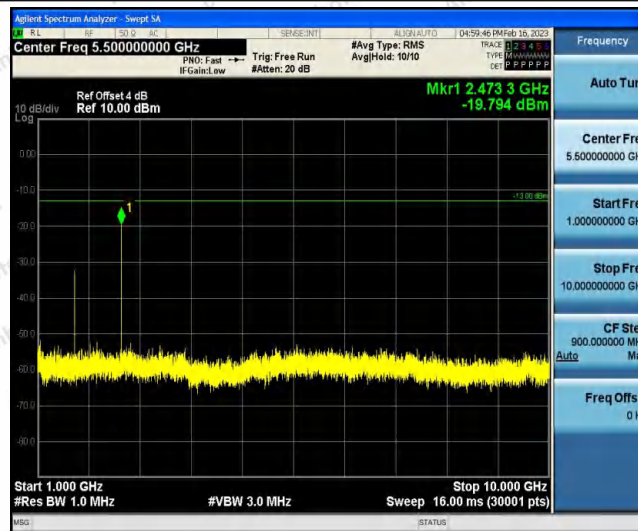
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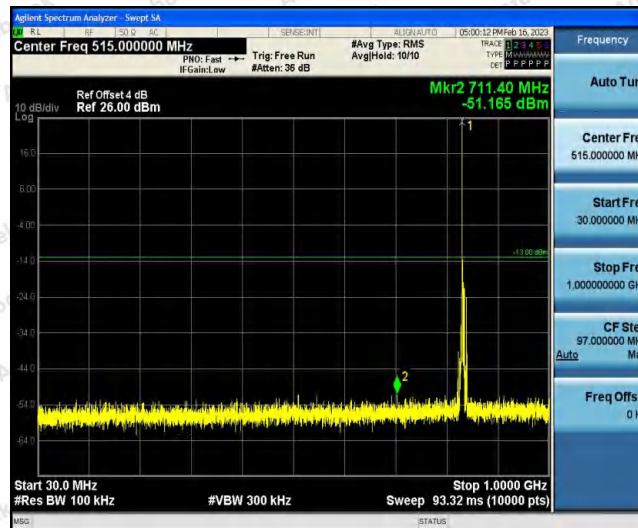


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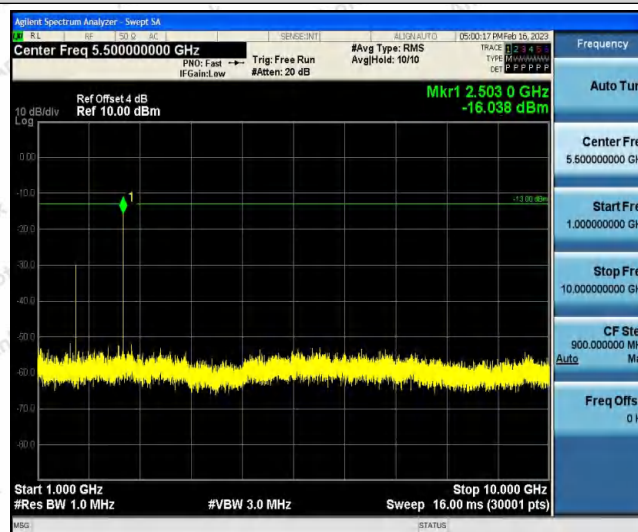




Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz

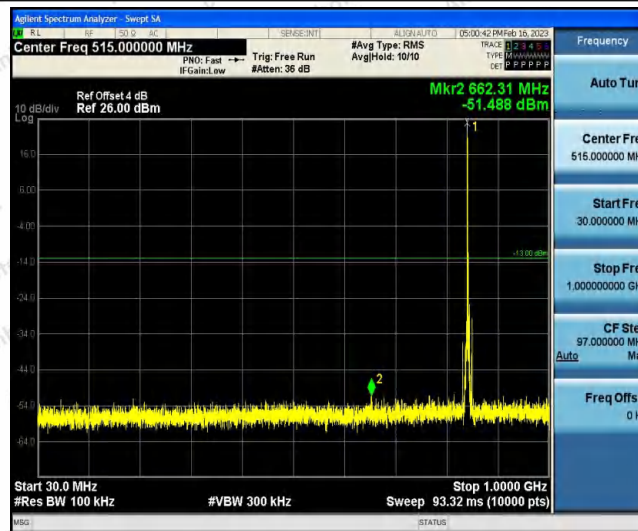
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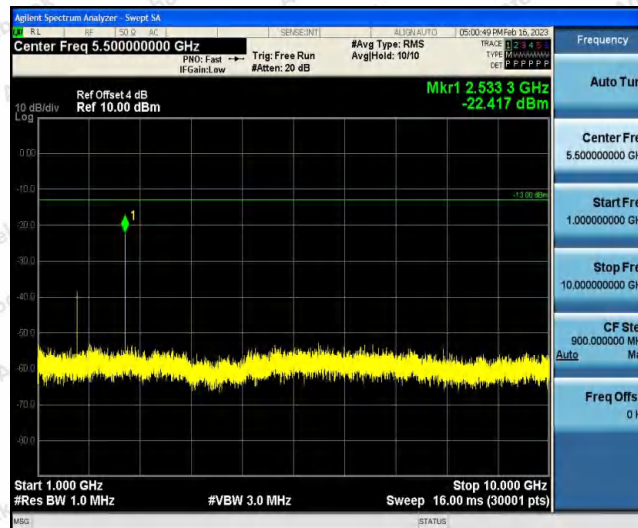


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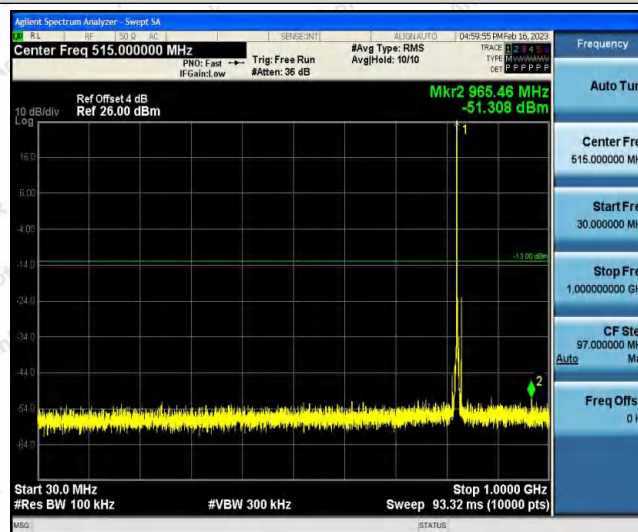




Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz



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Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz

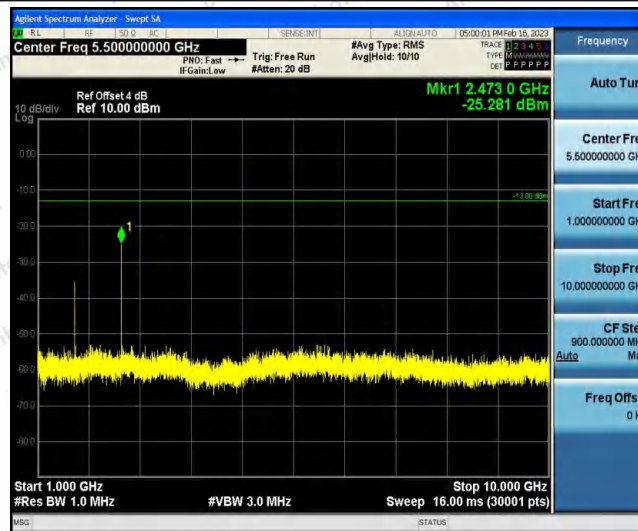
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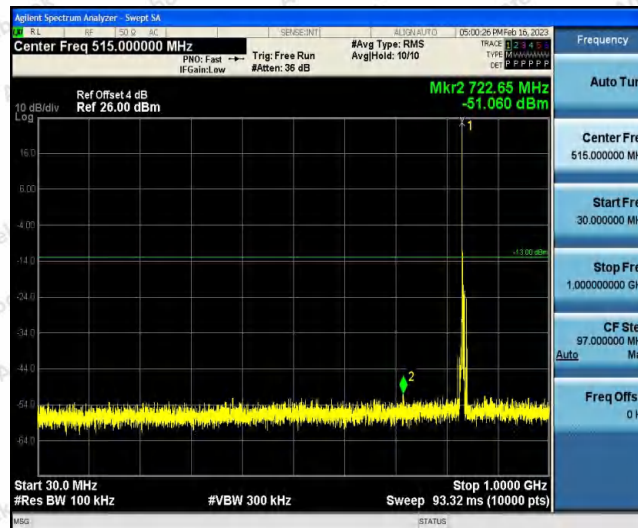


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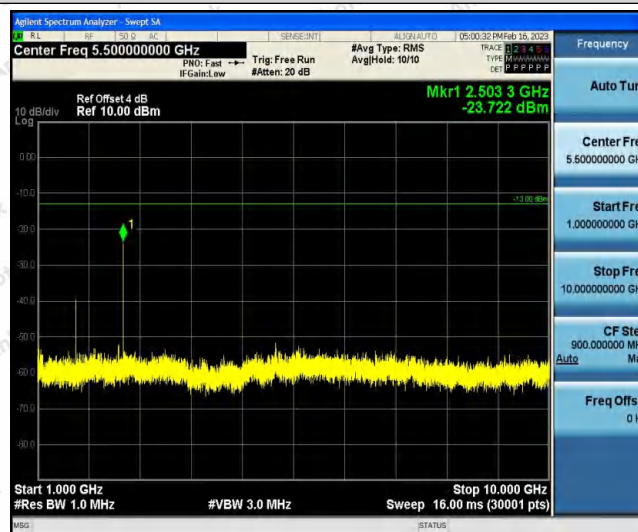




Band5-5MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-5MHz-16QAM-20625-1RB#0-Range1:30~1000MHz

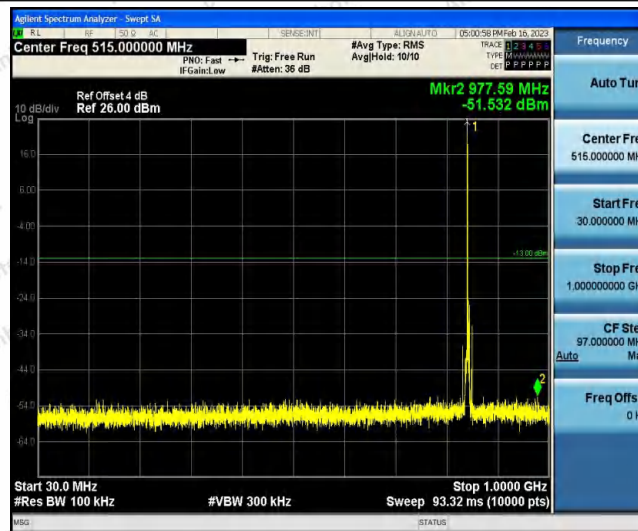
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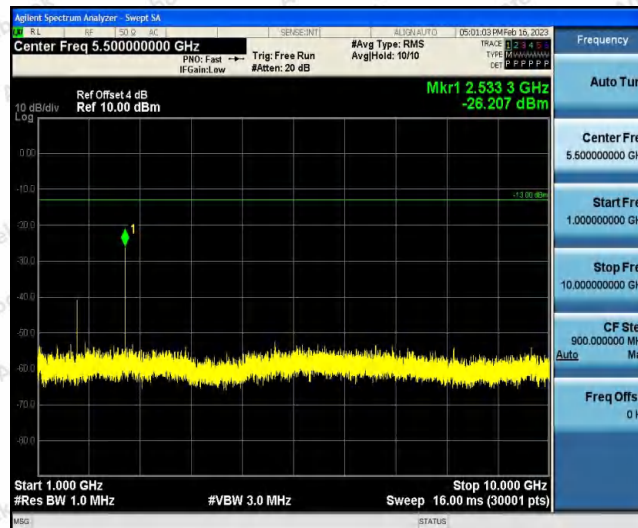


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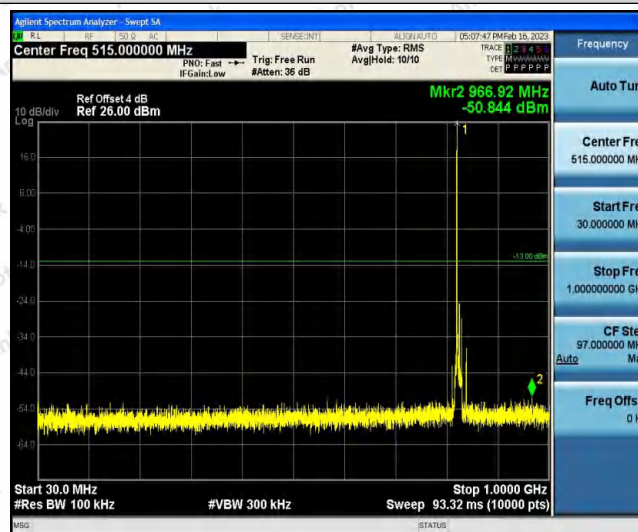




Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz

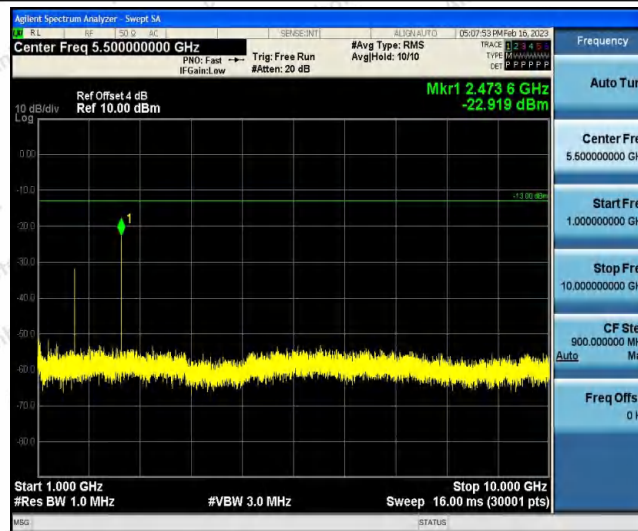
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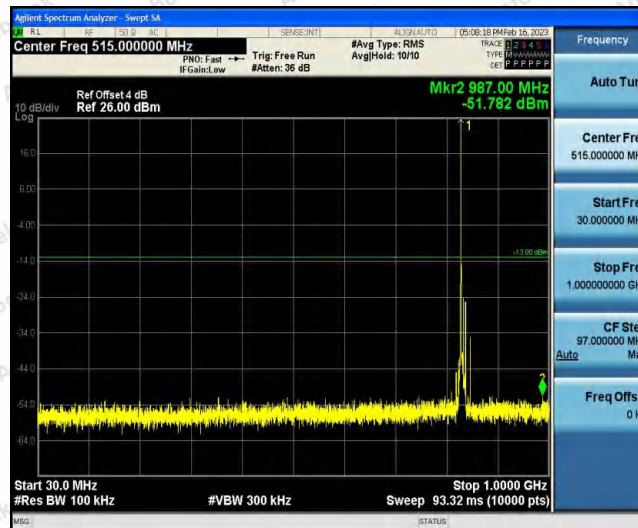


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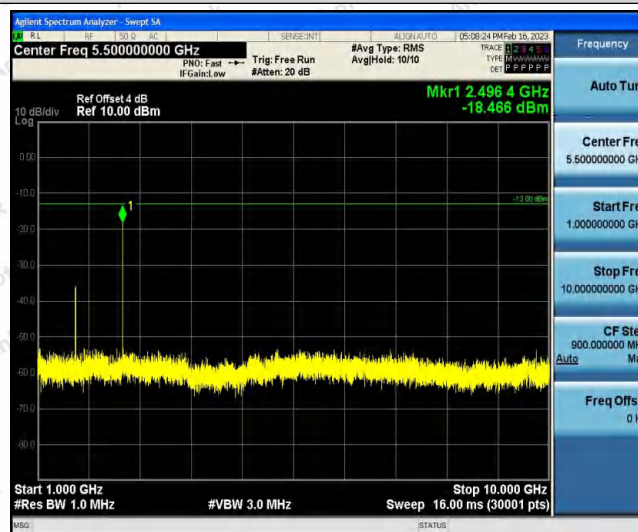




Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz

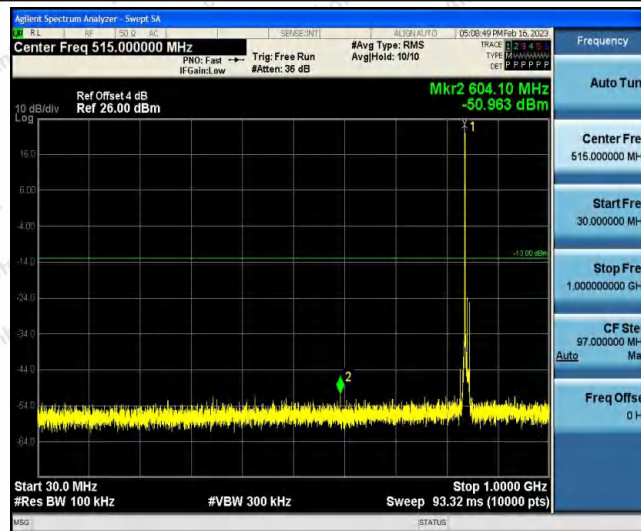
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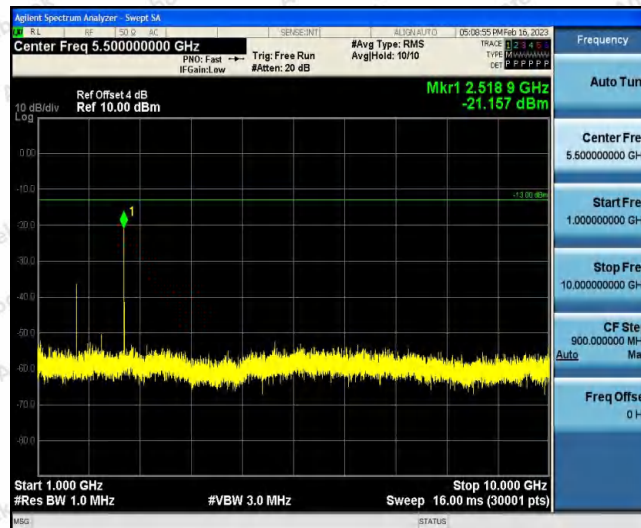


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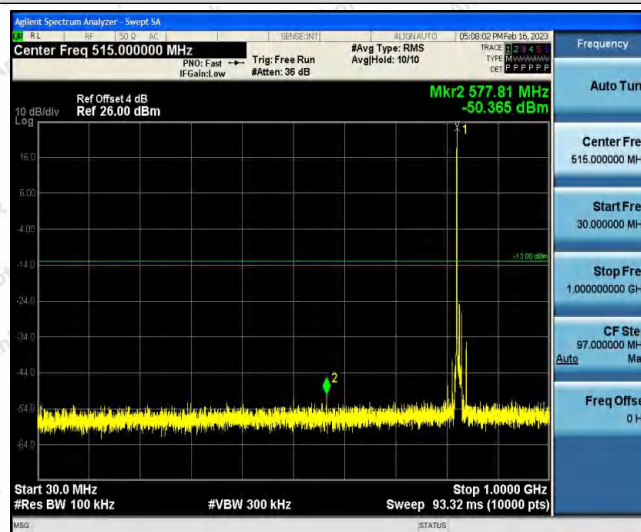




Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz

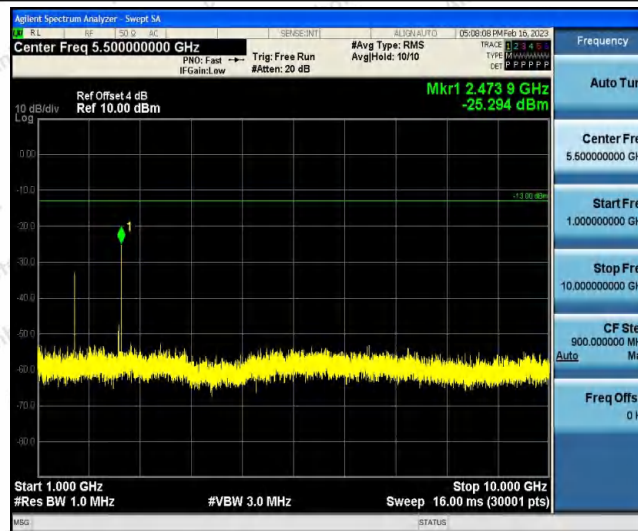
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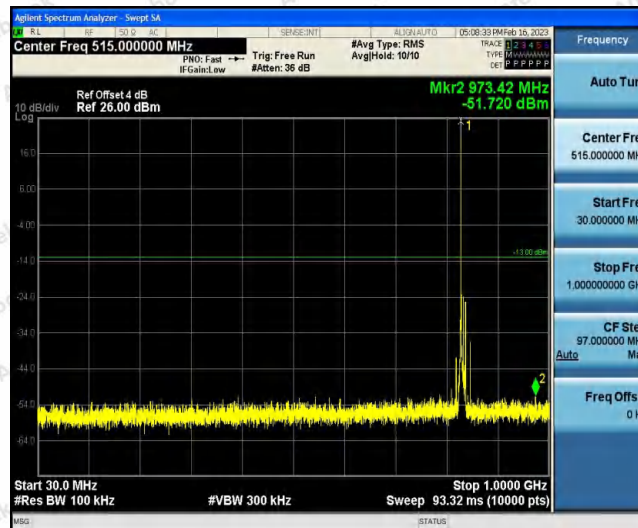


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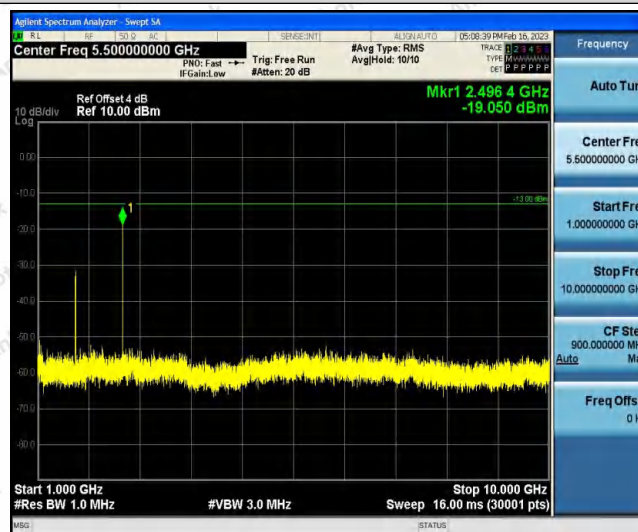




Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz

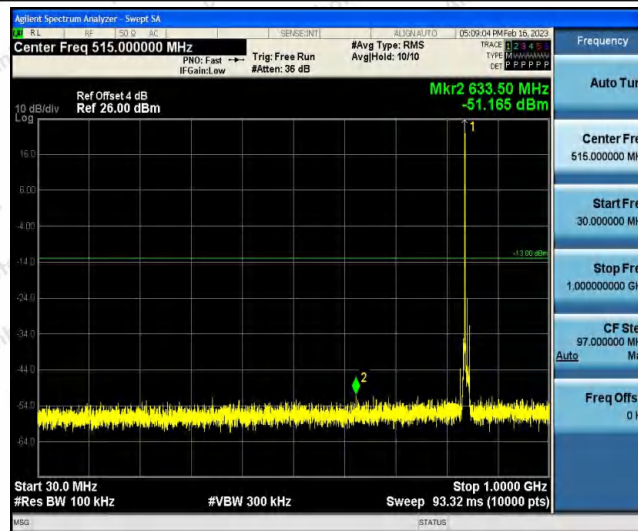
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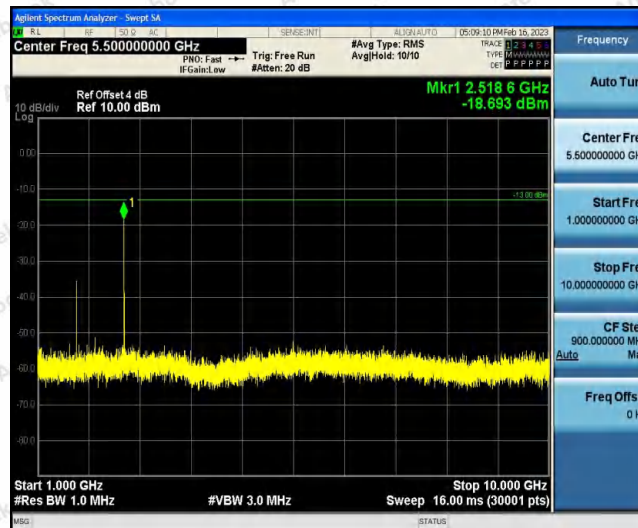


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Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz

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Appendix F: Frequency stability VS Voltage measurement

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	-14.02	-0.017000	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	-15.21	-0.018443	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	-9.53	-0.011556	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-14.13	-0.016892	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	-15.46	-0.018482	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-11.27	-0.013473	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	-6.67	-0.007863	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	-9.57	-0.011281	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-5.52	-0.006507	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	-3.20	-0.003880	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	-5.32	-0.006451	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	-2.47	-0.002995	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	-3.18	-0.003802	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	-4.03	-0.004818	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	-2.13	-0.002546	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	-2.98	-0.003513	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	-3.59	-0.004232	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	-3.45	-0.004067	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	5.64	0.006832	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	6.61	0.008007	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	5.36	0.006493	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	4.36	0.005212	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	2.43	0.002905	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	3.79	0.004531	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	5.16	0.006088	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	3.92	0.004625	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	3.30	0.003894	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	5.05	0.006118	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	5.59	0.006772	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	4.09	0.004955	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	4.49	0.005368	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	4.66	0.005571	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	4.33	0.005176	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VL	NT	3.58	0.004224	±2.5	PASS

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Band5	3MHz	16QAM	20635	15RB#0	VN	NT	4.08	0.004814	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	4.38	0.005168	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	3.83	0.004634	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	-1.63	-0.001972	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	2.60	0.003146	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	3.69	0.004411	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	3.66	0.004375	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	3.72	0.004447	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	3.09	0.003650	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	3.46	0.004087	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	2.83	0.003343	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	2.83	0.003424	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VN	NT	3.82	0.004622	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	3.39	0.004102	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	3.15	0.003766	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	2.78	0.003323	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	2.39	0.002857	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	3.72	0.004395	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	4.66	0.005505	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	4.52	0.005340	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	3.38	0.004077	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	1.96	0.002364	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-3.30	-0.003981	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	3.45	0.004124	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	2.90	0.003467	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	4.98	0.005953	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	1.77	0.002097	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	3.45	0.004088	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	1.87	0.002216	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	2.60	0.003136	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	2.19	0.002642	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	2.27	0.002738	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	3.81	0.004555	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	3.71	0.004435	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-2.15	-0.002570	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	1.26	0.001493	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	3.43	0.004064	±2.5	PASS

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Appendix G: Frequency stability VS Temperature measurement

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-7.90	-0.009579	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-6.88	-0.008342	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-5.92	-0.007178	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-5.21	-0.006317	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-4.33	-0.005250	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-9.00	-0.010759	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-7.48	-0.008942	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-5.19	-0.006204	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-2.25	-0.002690	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-2.27	-0.002714	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-4.52	-0.005328	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-3.69	-0.004350	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-3.59	-0.004232	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-3.30	-0.003890	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-2.07	-0.002440	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-3.59	-0.004353	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-4.81	-0.005832	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-2.39	-0.002898	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-2.12	-0.002571	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	2.52	0.003056	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-4.15	-0.004961	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	-3.29	-0.003933	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-3.16	-0.003778	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-2.39	-0.002857	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-2.53	-0.003025	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-2.33	-0.002747	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-4.18	-0.004928	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-4.26	-0.005022	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-2.53	-0.002982	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-3.40	-0.004008	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	4.52	0.005475	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	3.82	0.004627	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	4.02	0.004870	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	2.73	0.003307	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	5.31	0.006432	±2.5	PASS

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Band5	3MHz	QPSK	20525	15RB#0	NV	-30	3.33	0.003981	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	2.82	0.003371	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	3.05	0.003646	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	4.12	0.004925	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	4.79	0.005726	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	3.13	0.003693	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	3.45	0.004071	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	3.28	0.003870	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	2.10	0.002478	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	3.62	0.004271	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	2.96	0.003586	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	6.45	0.007813	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	4.51	0.005463	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	4.84	0.005863	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	6.54	0.007922	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	5.06	0.006049	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	4.45	0.005320	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	5.36	0.006408	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	4.61	0.005511	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	4.41	0.005272	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	3.12	0.003681	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	3.05	0.003599	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	2.85	0.003363	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	3.28	0.003870	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	4.22	0.004979	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-2.19	-0.002650	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	3.89	0.004707	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	3.45	0.004174	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	3.03	0.003666	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	3.68	0.004453	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	3.42	0.004088	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	3.92	0.004686	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	3.85	0.004603	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	2.86	0.003419	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	2.40	0.002869	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	3.56	0.004206	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	2.93	0.003461	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	4.38	0.005174	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	4.09	0.004832	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	3.93	0.004643	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	5.54	0.006703	±2.5	PASS

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Band5	5MHz	16QAM	20425	25RB#0	NV	-20	3.92	0.004743	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	4.35	0.005263	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	3.82	0.004622	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	3.56	0.004307	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	3.63	0.004340	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	3.23	0.003861	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	3.69	0.004411	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	3.19	0.003814	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	4.21	0.005033	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	5.79	0.006840	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	4.62	0.005458	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	5.05	0.005966	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	4.98	0.005883	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	6.77	0.007998	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	1.89	0.002280	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-1.56	-0.001882	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-3.33	-0.004017	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	1.97	0.002376	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	2.16	0.002606	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	2.66	0.003180	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	2.70	0.003228	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	3.15	0.003766	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	3.38	0.004041	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	3.29	0.003933	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	2.70	0.003199	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-1.99	-0.002358	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	3.50	0.004147	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	2.56	0.003033	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	3.66	0.004336	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	2.89	0.003486	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	3.35	0.004041	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	1.69	0.002039	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	1.95	0.002352	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	2.12	0.002557	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	3.23	0.003861	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	3.39	0.004053	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	3.15	0.003766	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	3.78	0.004519	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	3.56	0.004256	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	1.72	0.002038	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	2.43	0.002879	±2.5	PASS

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Band5	10MHz	16QAM	20600	50RB#0	NV	0	1.79	0.002121	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	2.95	0.003495	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	2.32	0.002749	±2.5	PASS

--END--

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