



Appendix F: Test Data for E-UTRA Band 5

Product Name: Smart POS

Test Model: WIZARPOS UPT

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





F.1 Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.22	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.91	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.09	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.09	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.99	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.91	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.07	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.52	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.37	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.51	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.28	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.99	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.16	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.11	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.01	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.05	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.14	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.19	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.08	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.10	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.78	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.89	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.83	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.21	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.39	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.83	PASS





Band5	1.4MHz	16QAM	20525	1RB#5	22.51	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.14	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.31	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.11	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.47	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.88	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.01	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.87	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.91	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.96	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.22	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.90	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.77	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.04	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.97	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.01	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.11	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.00	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.20	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.06	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.16	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.15	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.15	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.15	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.72	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.75	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.65	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.89	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.85	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.84	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.88	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.74	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.83	PASS



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Band5	3MHz	16QAM	20415	1RB#14	22.32	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.91	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.94	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.20	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.06	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.03	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.15	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.01	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.24	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.24	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.16	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.05	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.64	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.71	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.92	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.87	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.77	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.08	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.00	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.86	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.12	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.84	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.00	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.06	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.16	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.11	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.24	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.34	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.12	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.40	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.37	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.43	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.34	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.02	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.07	PASS



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Band5	5MHz	QPSK	20625	1RB#24	22.87	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.15	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.13	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.12	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.14	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.82	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.08	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.91	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.16	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.05	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.14	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.22	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.12	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.26	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.04	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.36	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.27	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.30	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.96	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.13	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.03	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.06	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.15	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.01	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.19	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.00	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.44	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.23	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.42	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.36	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.55	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.44	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.26	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.50	PASS



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Band5	10MHz	QPSK	20525	1RB#49	22.95	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.62	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.62	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.50	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.58	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.27	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.26	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.81	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.47	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.48	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.35	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.96	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.54	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.08	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.33	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.28	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.49	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.39	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.41	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.74	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.19	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.61	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.50	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.49	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.59	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.16	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.57	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.68	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.52	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.41	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.52	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.29	PASS





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

Test Result

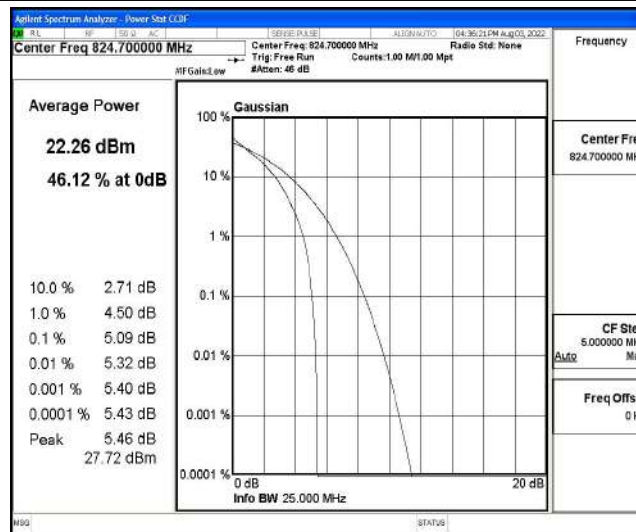
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.09	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.98	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.60	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.98	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.88	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.32	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.22	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.77	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.28	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.08	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.64	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.19	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.08	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.76	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.06	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.96	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.62	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.13	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.10	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.89	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.96	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.79	13	PASS



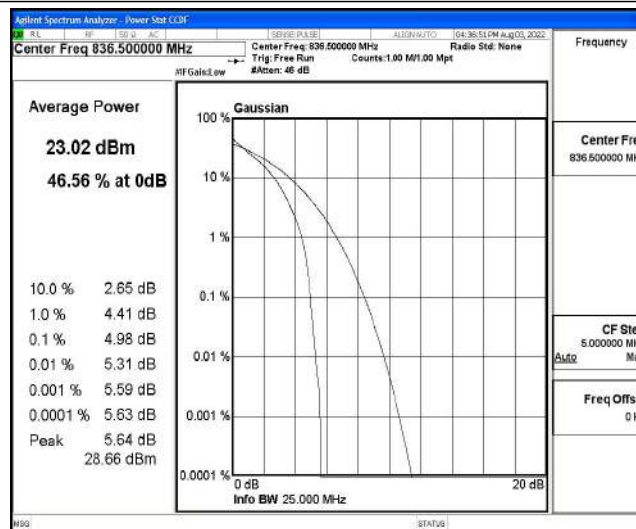


Test Graphs

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

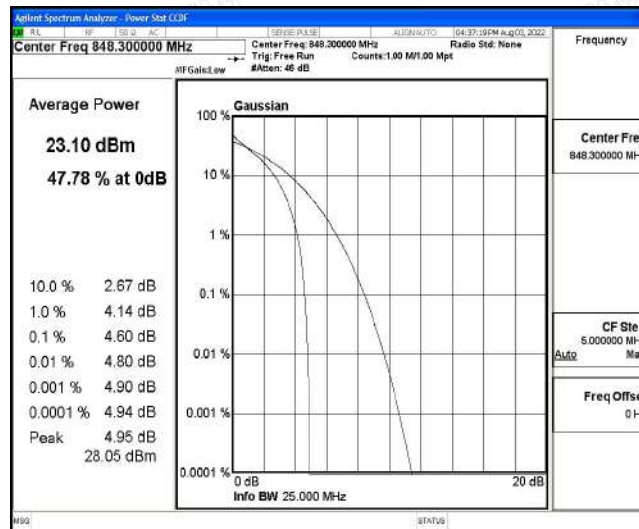


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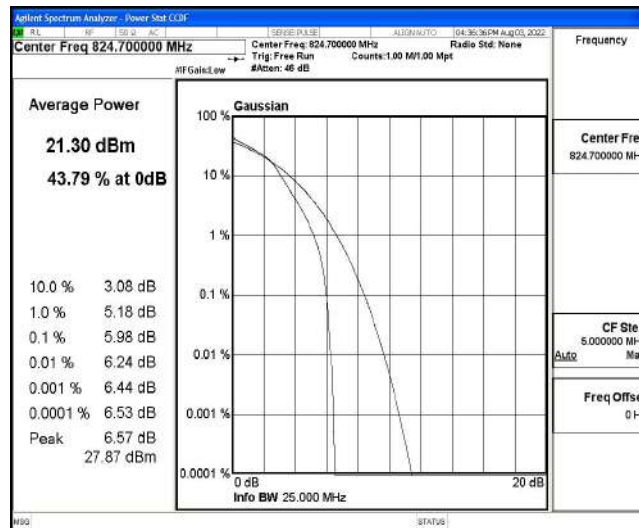


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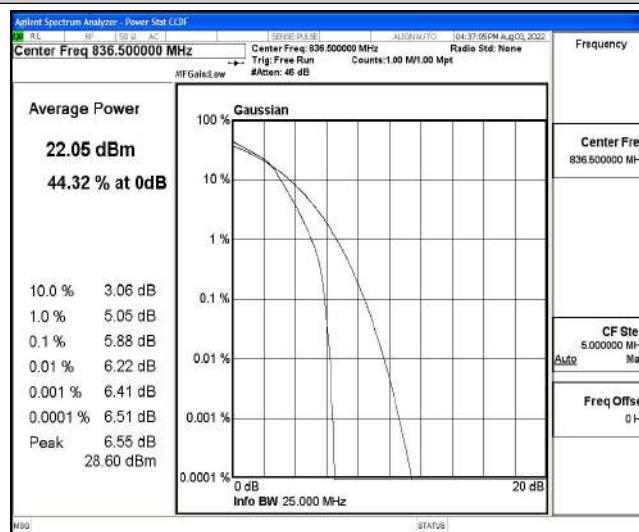




Band5-1.4MHz-16QAM-20407-6RB#0



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



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

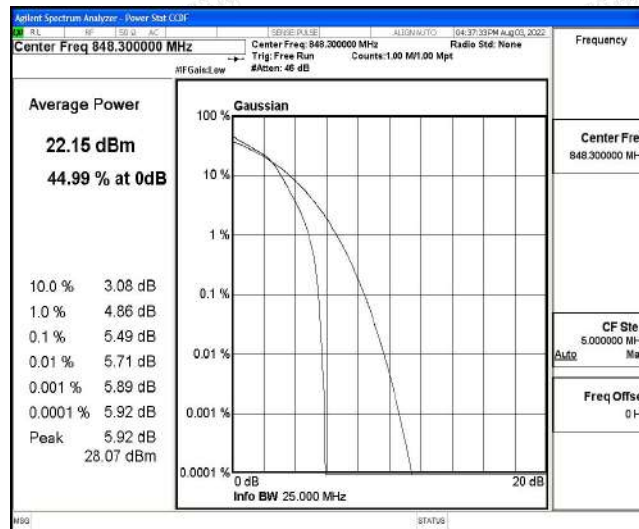


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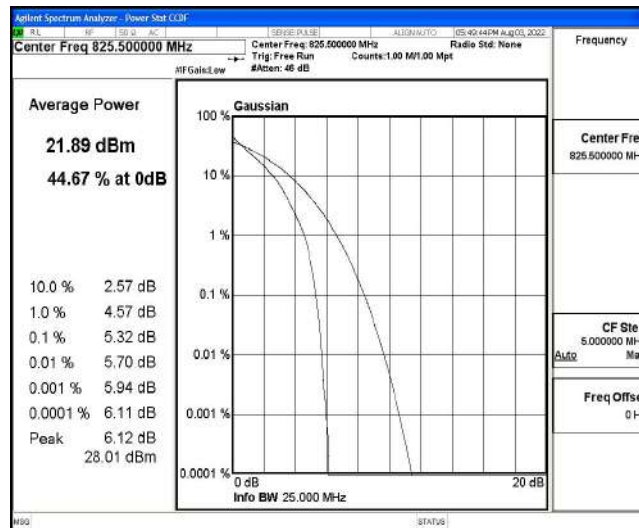
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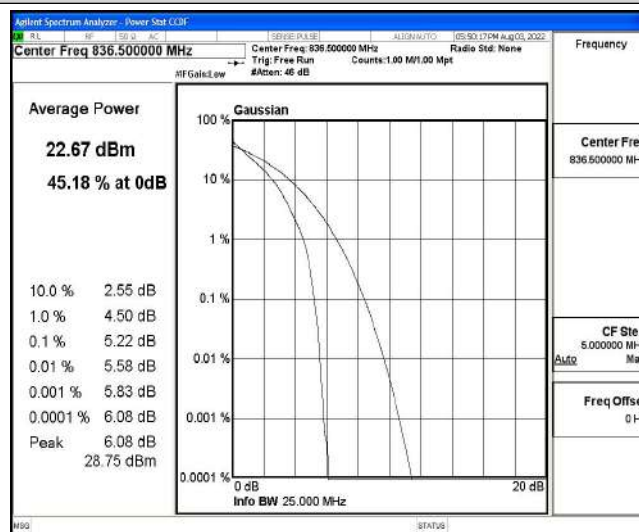
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Band5-3MHz-QPSK-20415-15RB#0



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



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

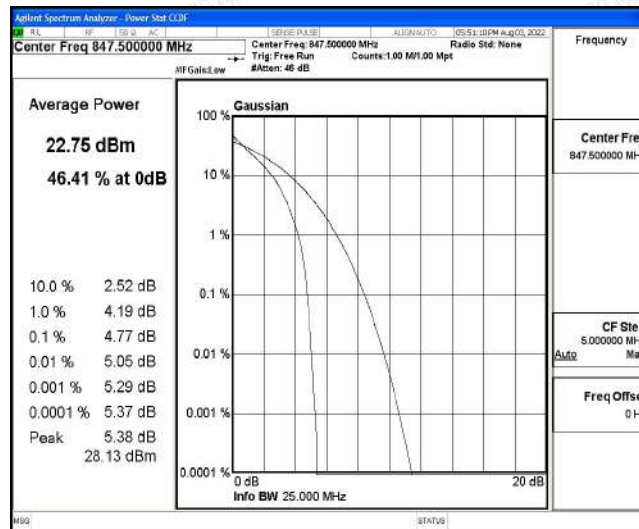


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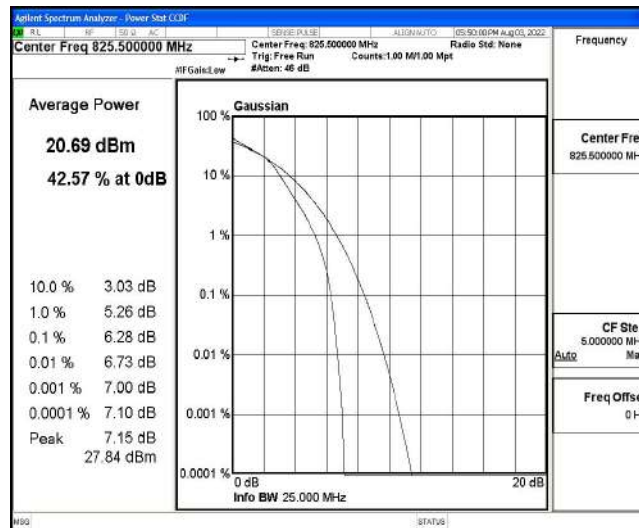
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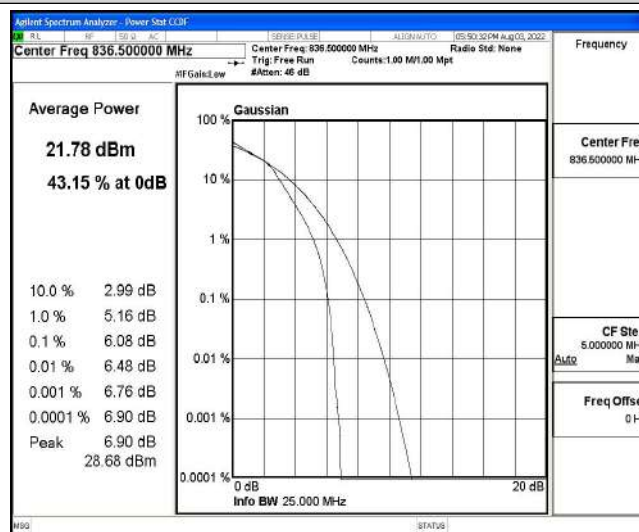
Scan code to check authenticity



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



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



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

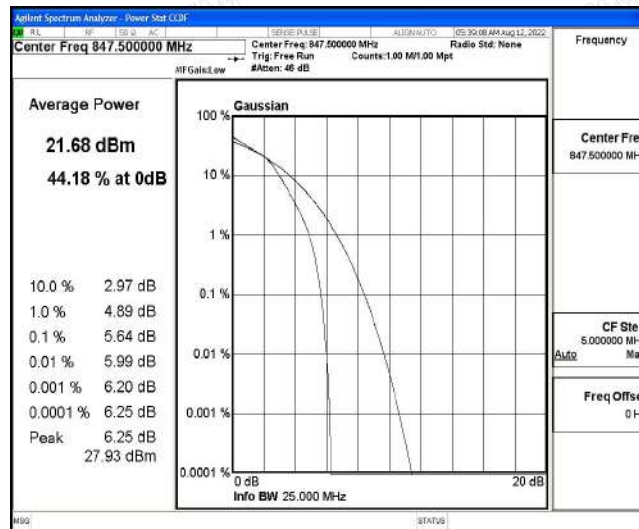


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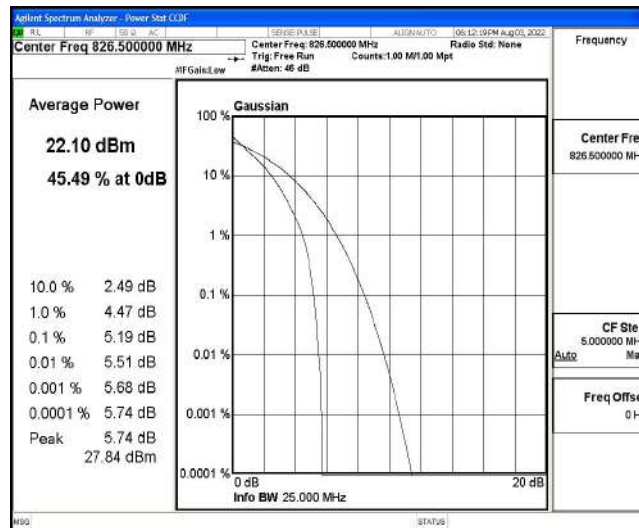
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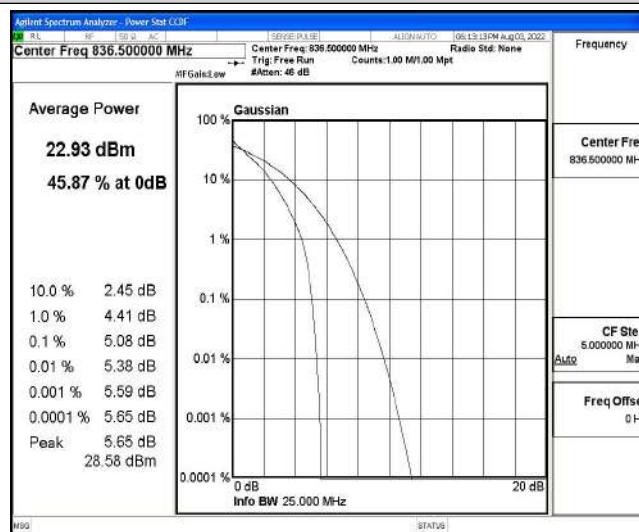
Scan code to check authenticity



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



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



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

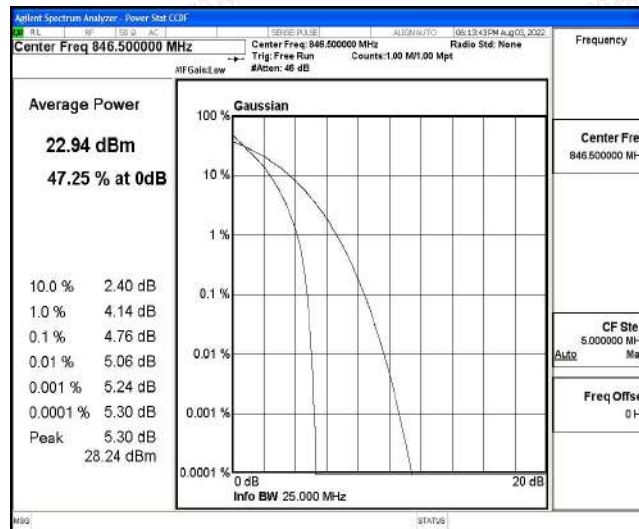


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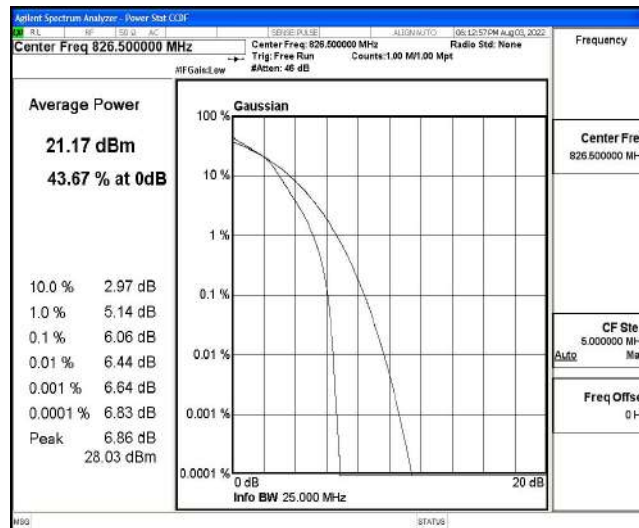
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

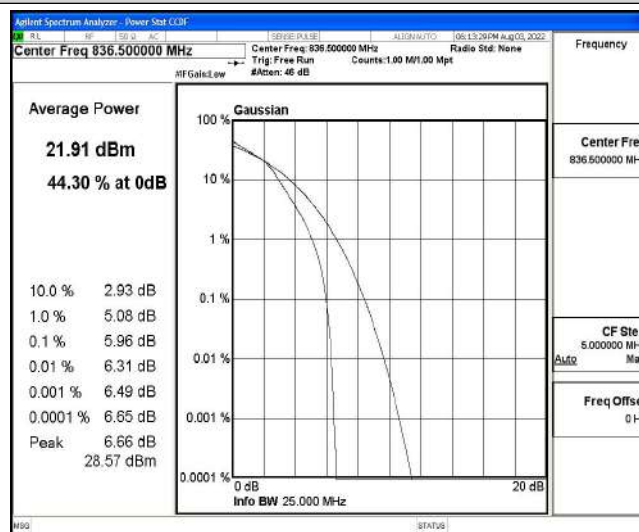
Scan code to check authenticity



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



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



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

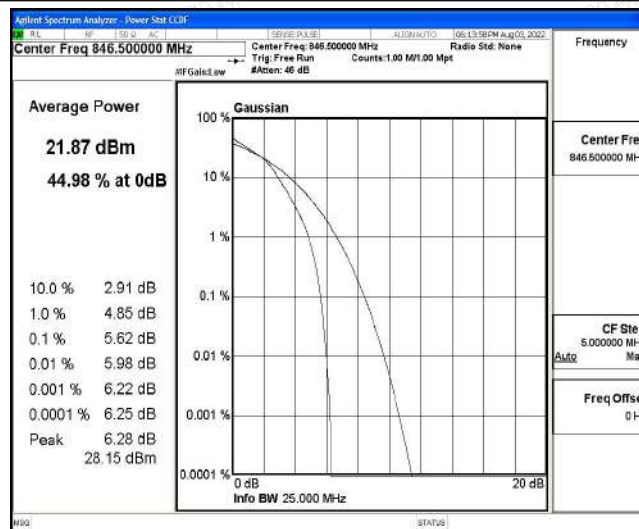


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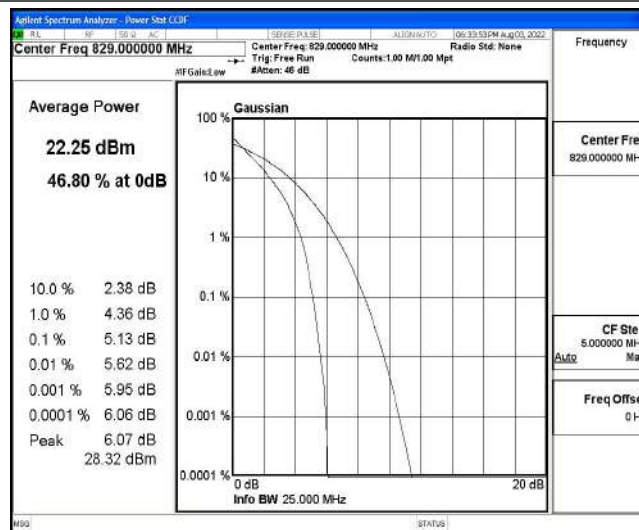
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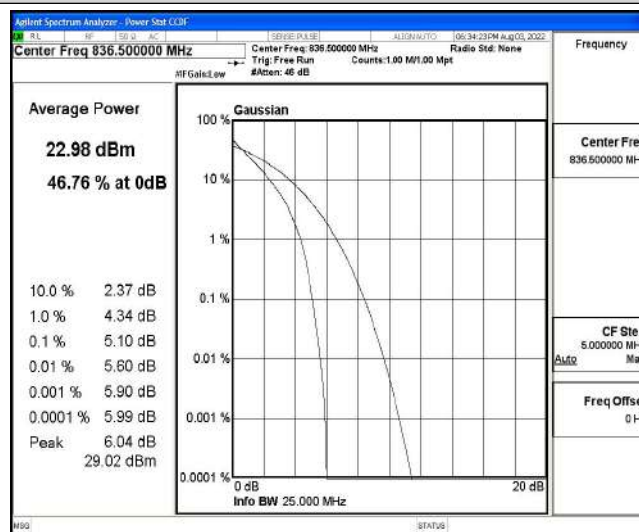
Scan code to check authenticity



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



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



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

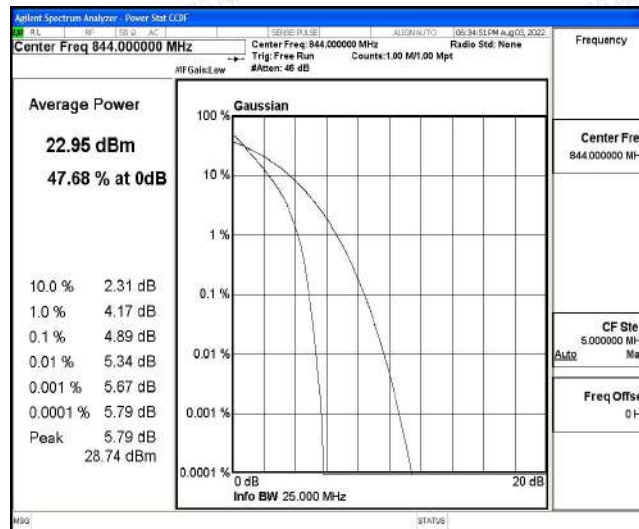


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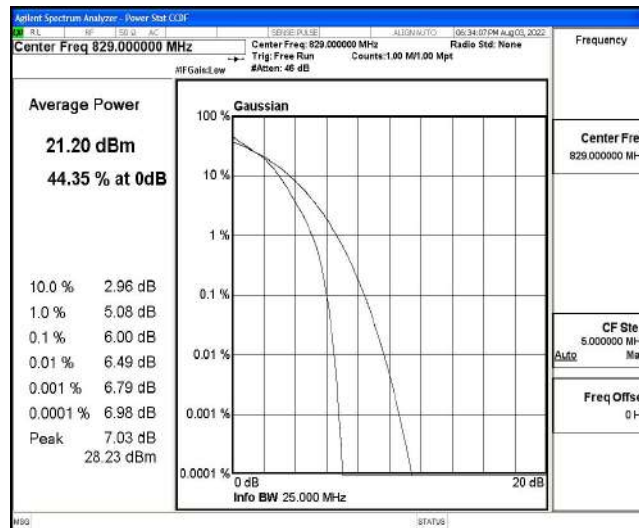
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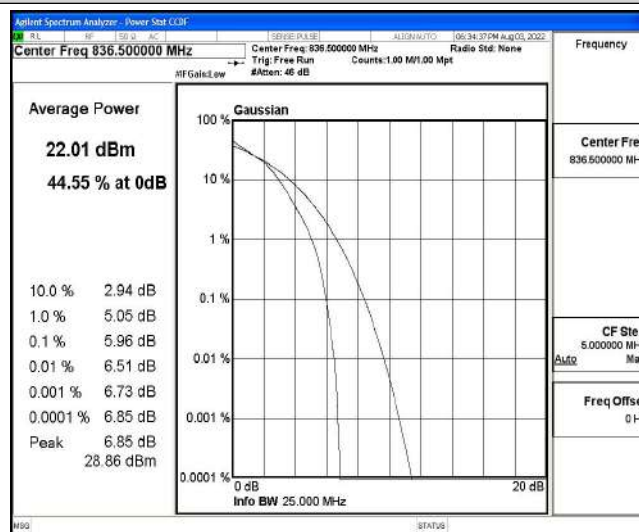
Scan code to check authenticity



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



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



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

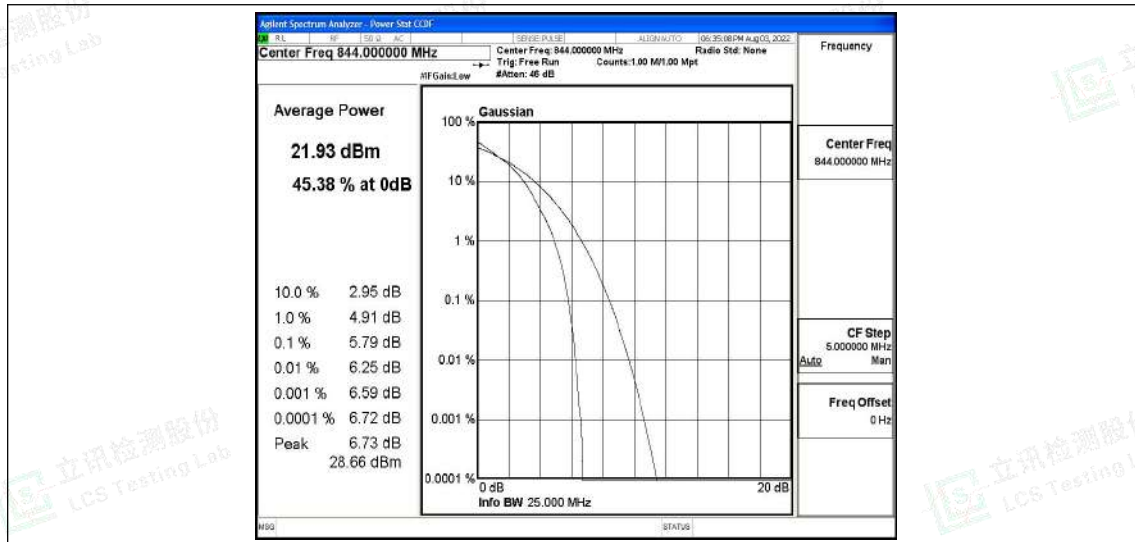


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F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

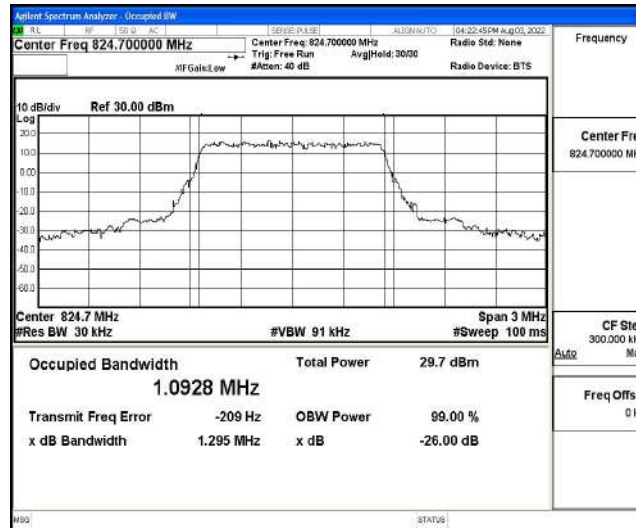
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0928	1.295	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0968	1.292	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0927	1.289	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0983	1.296	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0958	1.302	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0925	1.277	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7055	2.940	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7084	2.980	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7015	2.968	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6922	2.956	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6864	2.964	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6953	2.974	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5058	5.021	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5011	5.012	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5011	4.979	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5046	5.000	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5065	4.980	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5057	5.017	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9720	9.904	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9660	9.901	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9647	9.915	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9640	9.851	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9805	9.836	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9556	9.805	PASS



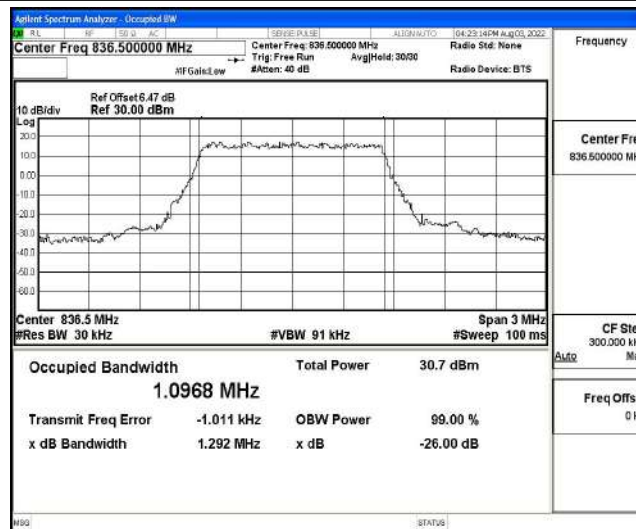


Test Graphs

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

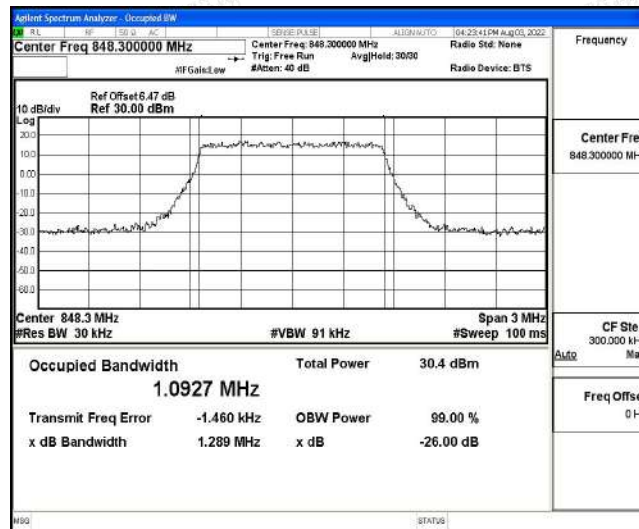


Band5-1.4MHz-QPSK-20525-6RB#0

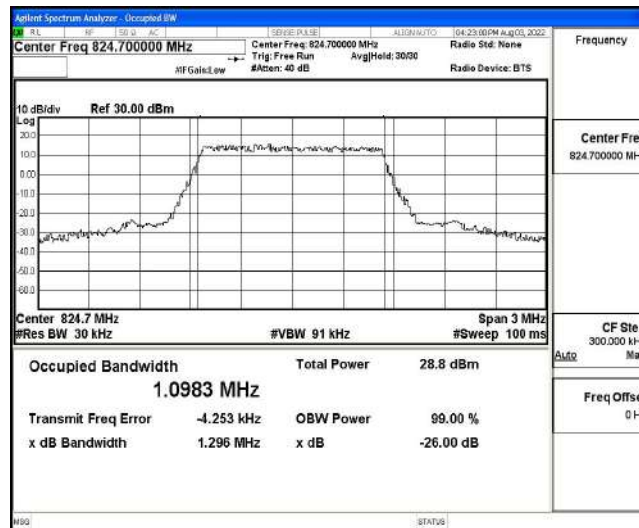


Band5-1.4MHz-QPSK-20643-6RB#0

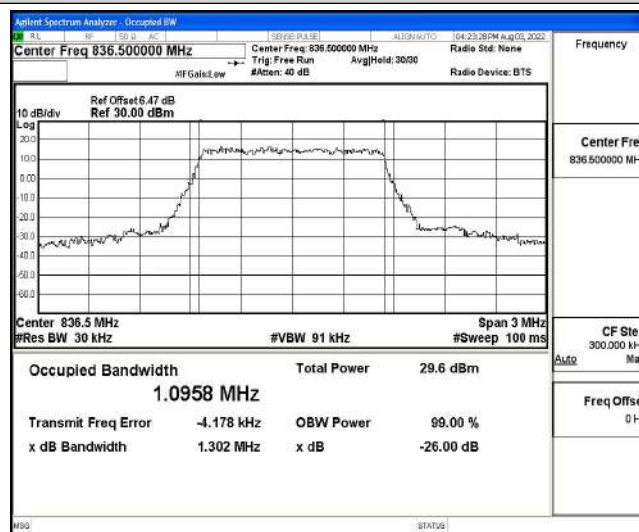




Band5-1.4MHz-16QAM-20407-6RB#0

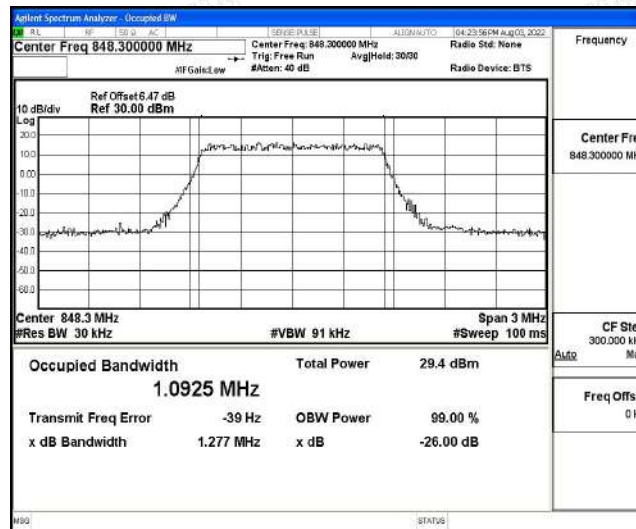


Band5-1.4MHz-16QAM-20525-6RB#0

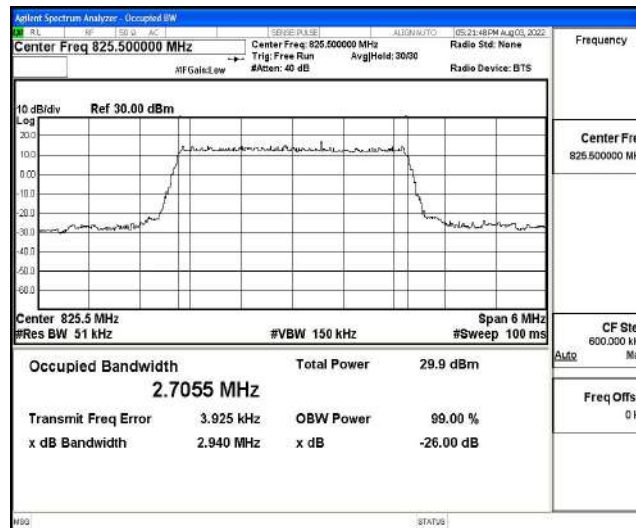


Band5-1.4MHz-16QAM-20643-6RB#0

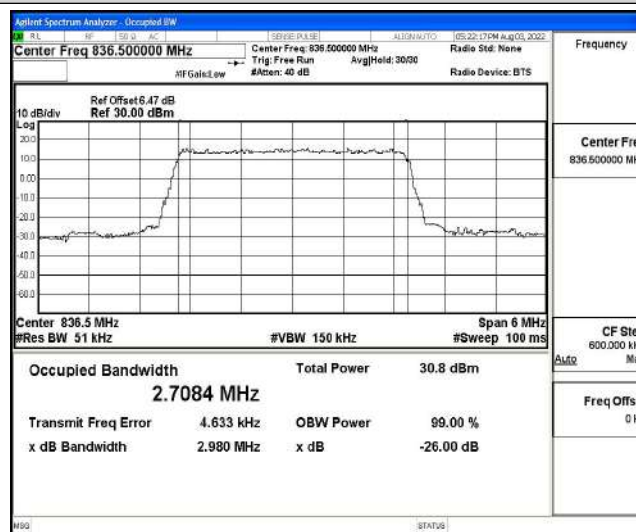




Band5-3MHz-QPSK-20415-15RB#0

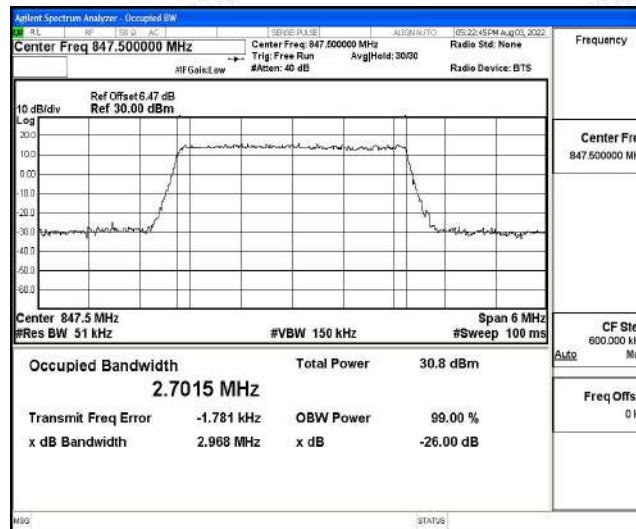


Band5-3MHz-QPSK-20525-15RB#0

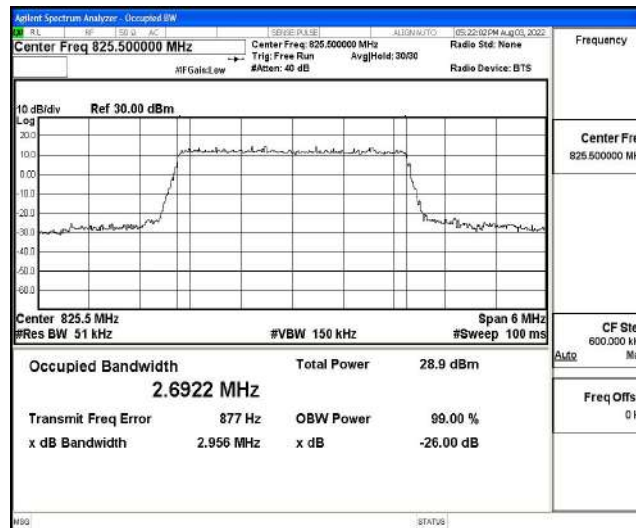


Band5-3MHz-QPSK-20635-15RB#0

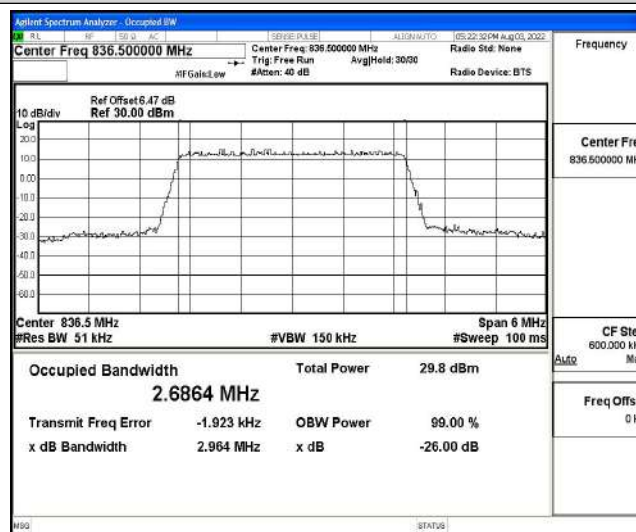




Band5-3MHz-16QAM-20415-15RB#0



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



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

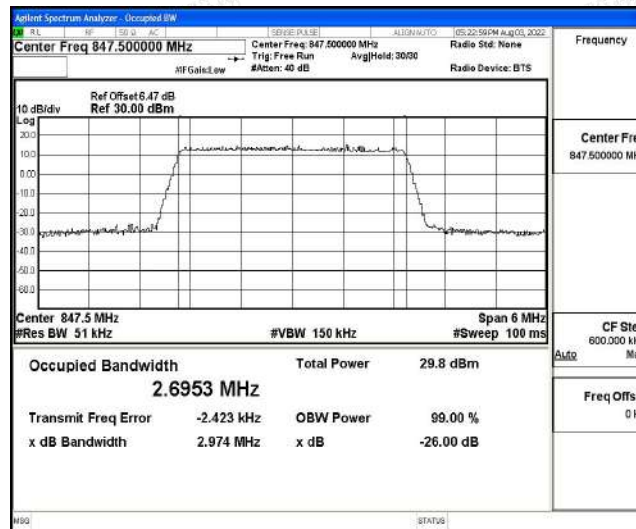


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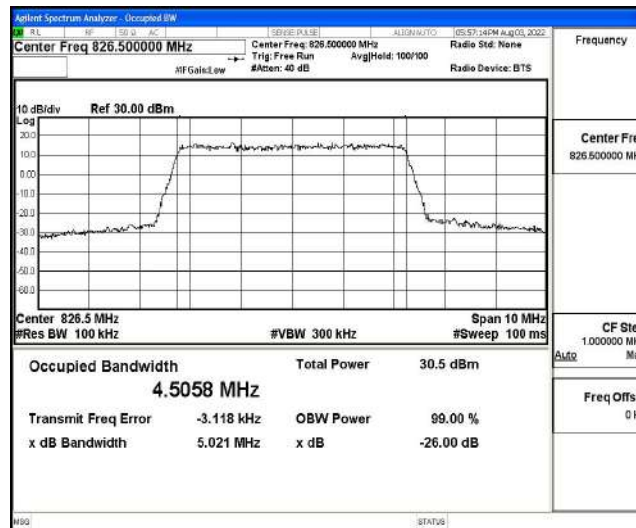
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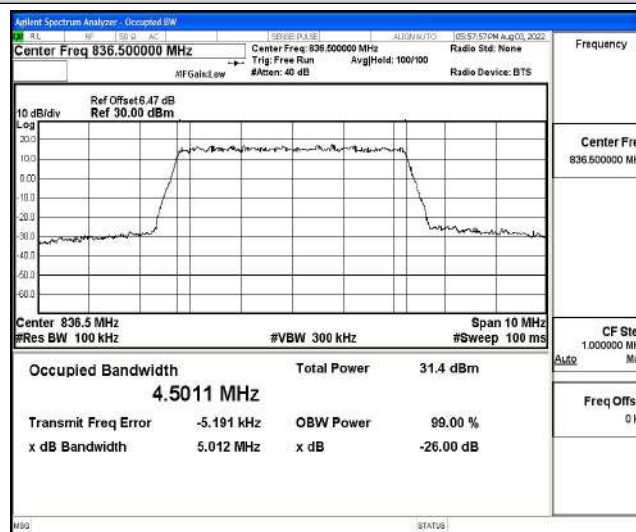
Scan code to check authenticity



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

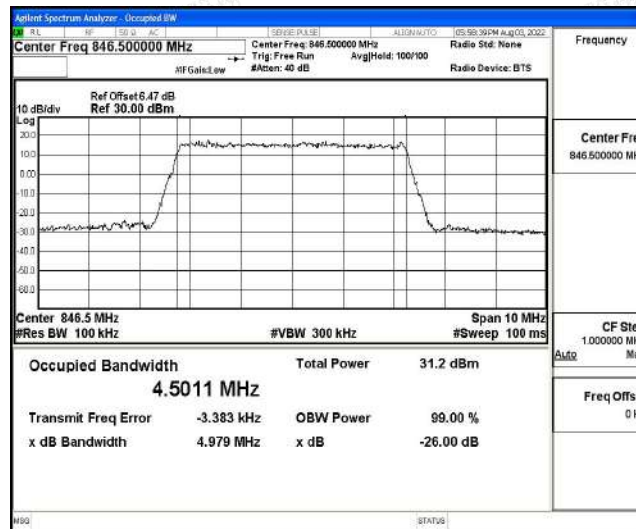


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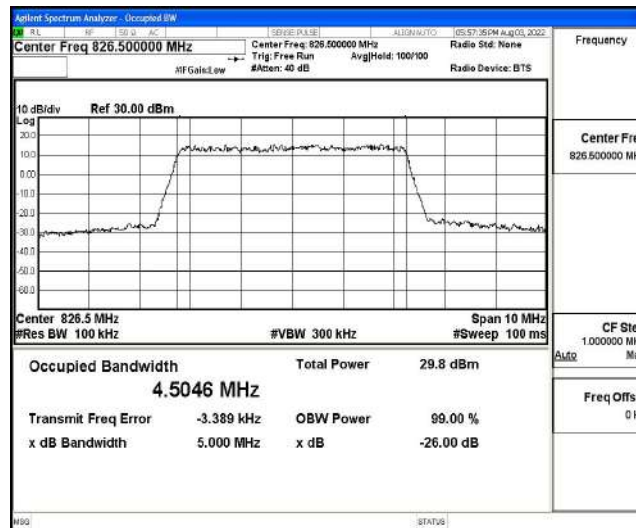


Band5-5MHz-QPSK-20625-25RB#0

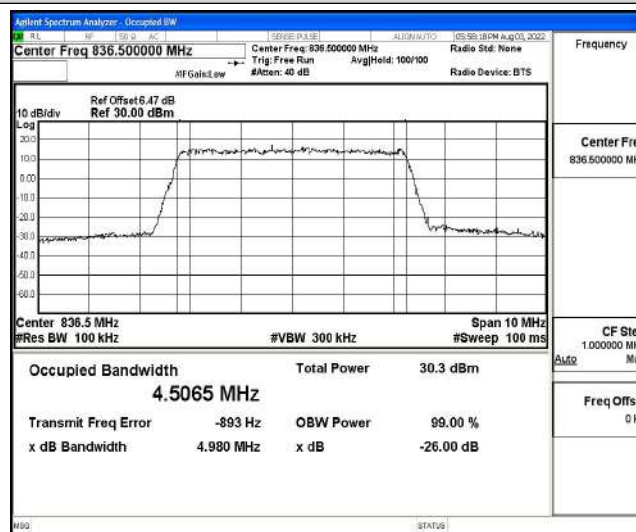




Band5-5MHz-16QAM-20425-25RB#0



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



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

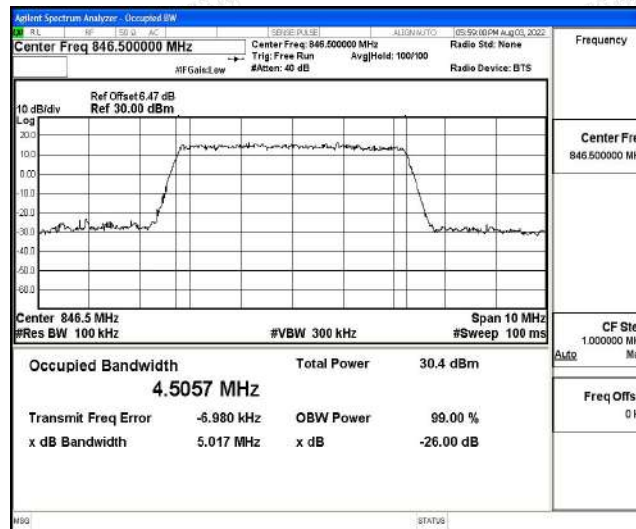


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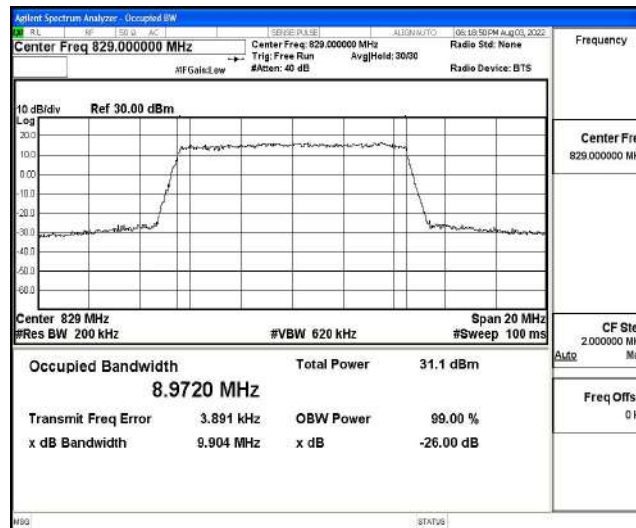
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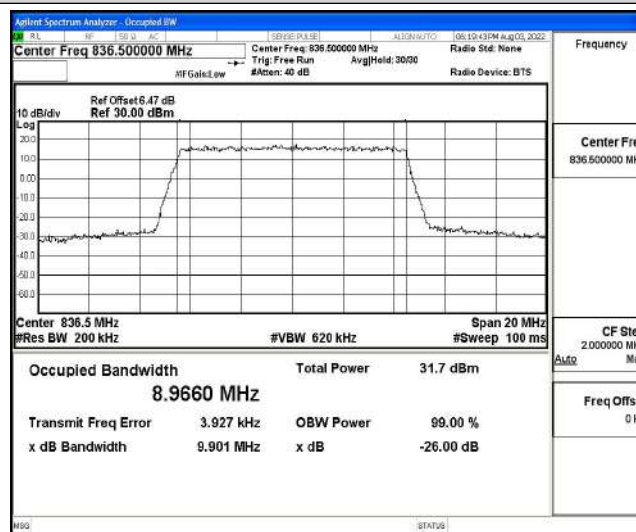
Scan code to check authenticity



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



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



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

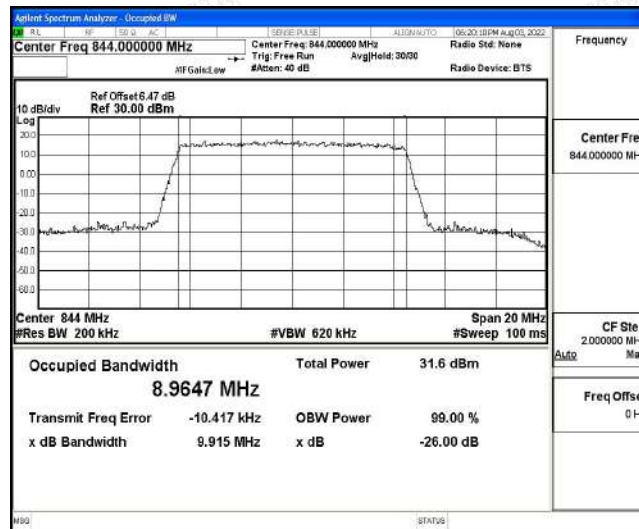


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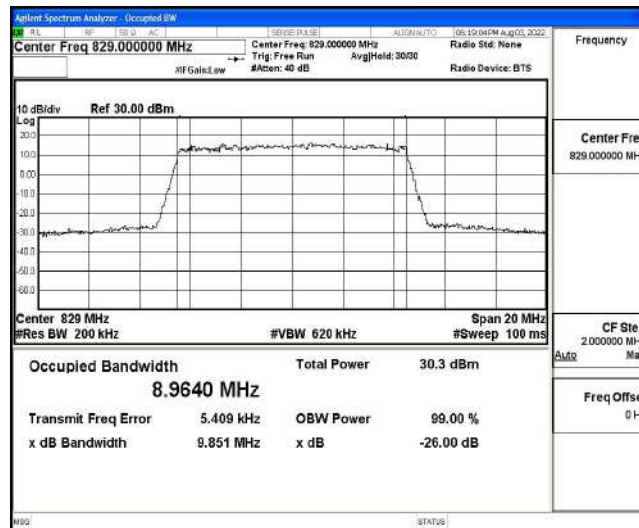
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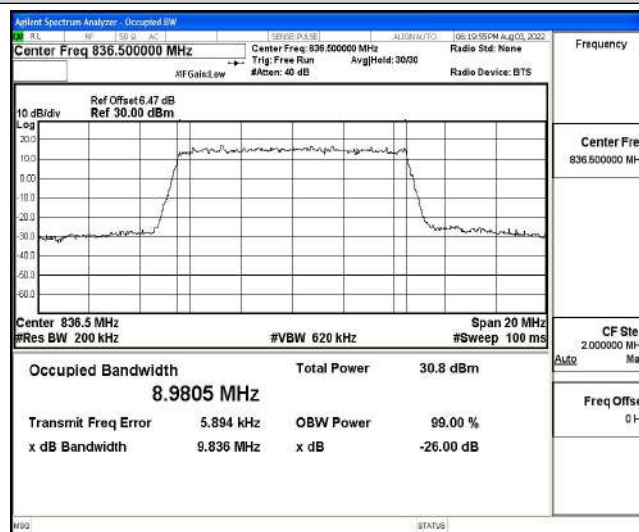
Scan code to check authenticity



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

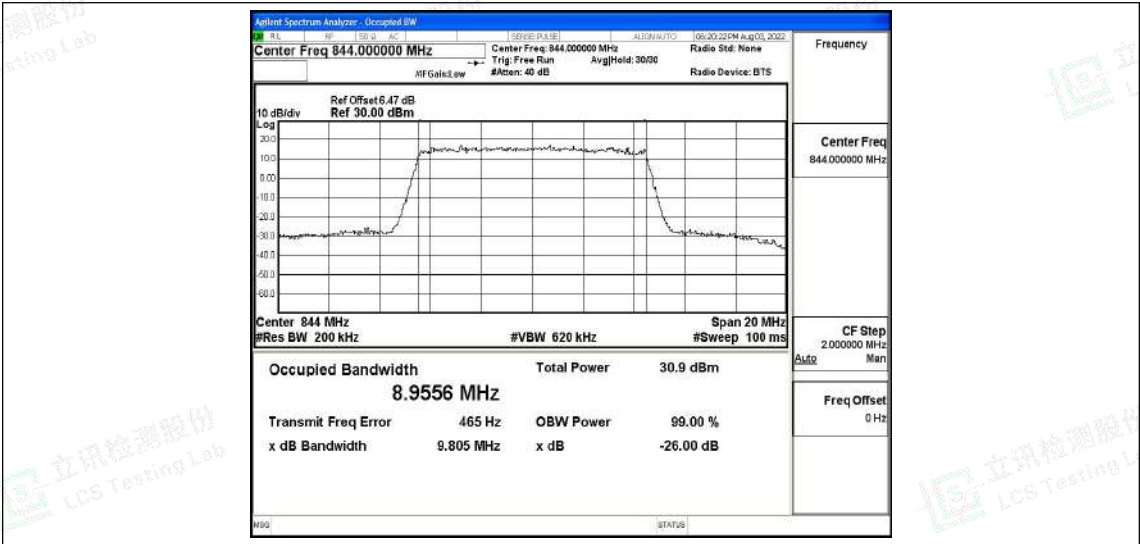


Band5-10MHz-16QAM-20525-50RB#0



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





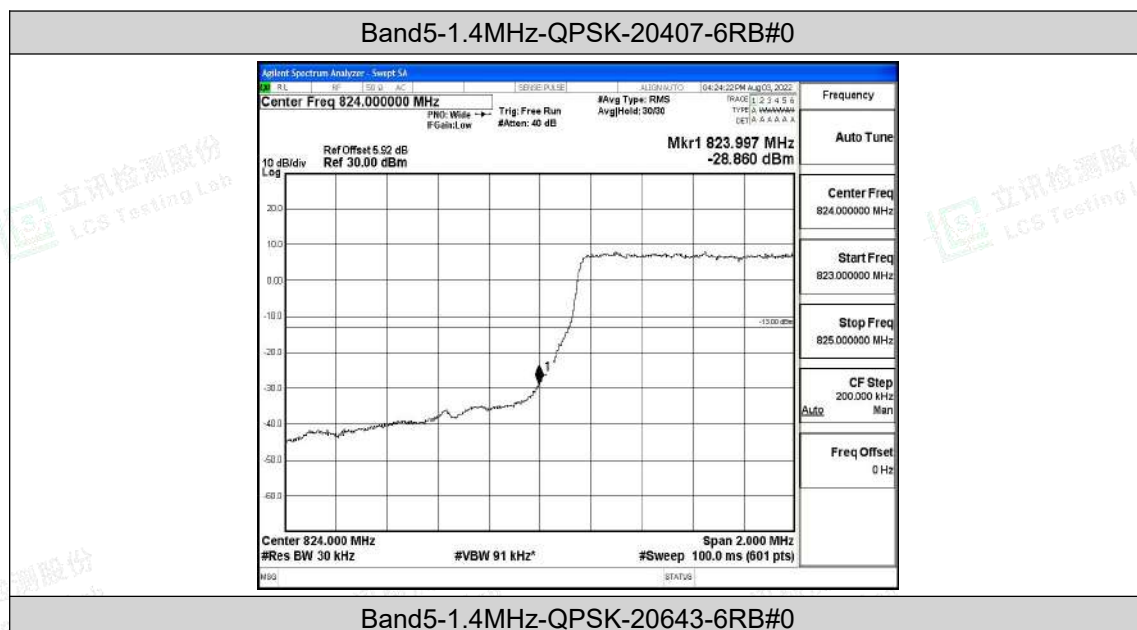


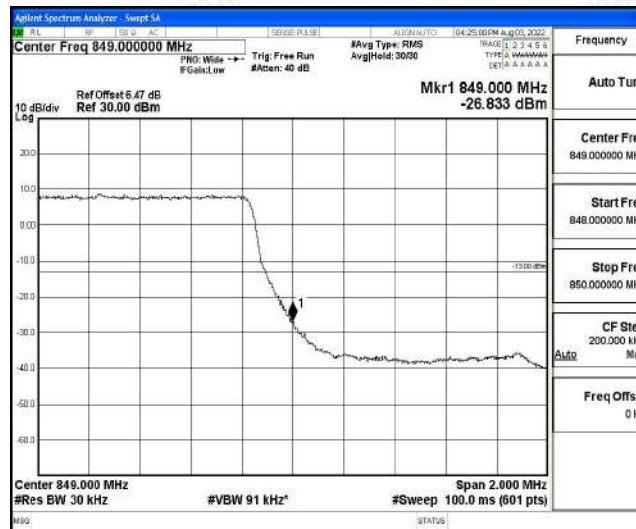
F.4 Band Edge

Test Result

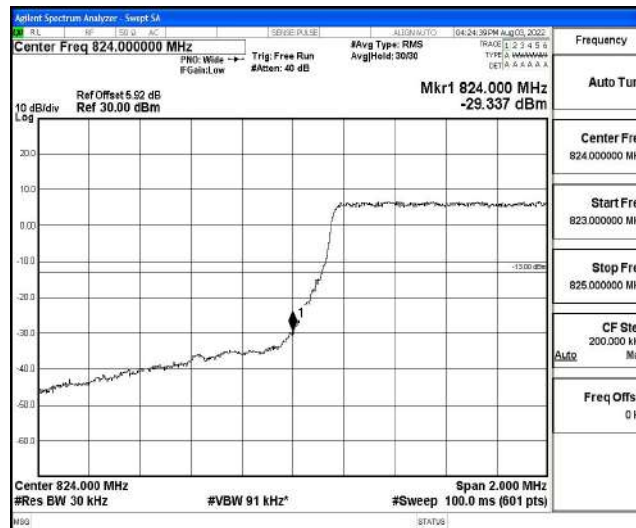
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-28.86	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-26.83	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-29.34	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-28.33	PASS
Band5	3MHz	QPSK	20415	15RB#0	-24.95	PASS
Band5	3MHz	QPSK	20635	15RB#0	-26.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	-27.76	PASS
Band5	3MHz	16QAM	20635	15RB#0	-27.67	PASS
Band5	5MHz	QPSK	20425	25RB#0	-25.38	PASS
Band5	5MHz	QPSK	20625	25RB#0	-25.87	PASS
Band5	5MHz	16QAM	20425	25RB#0	-26.87	PASS
Band5	5MHz	16QAM	20625	25RB#0	-26.56	PASS
Band5	10MHz	QPSK	20450	50RB#0	-29.25	PASS
Band5	10MHz	QPSK	20600	50RB#0	-29.48	PASS
Band5	10MHz	16QAM	20450	50RB#0	-30.48	PASS
Band5	10MHz	16QAM	20600	50RB#0	-30.84	PASS

Test Graphs

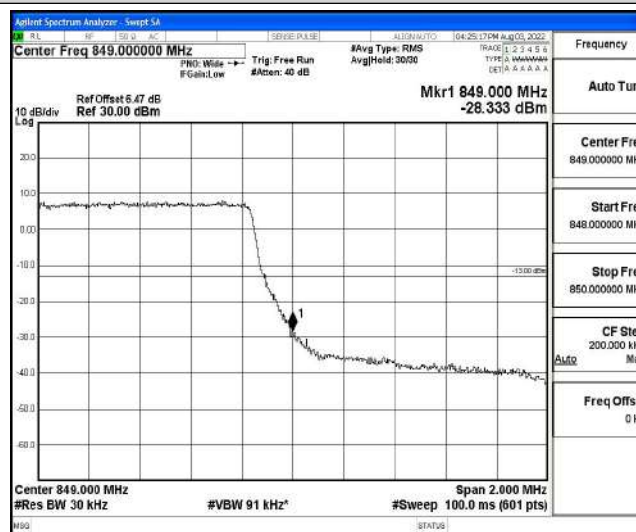




Band5-1.4MHz-16QAM-20407-6RB#0



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



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

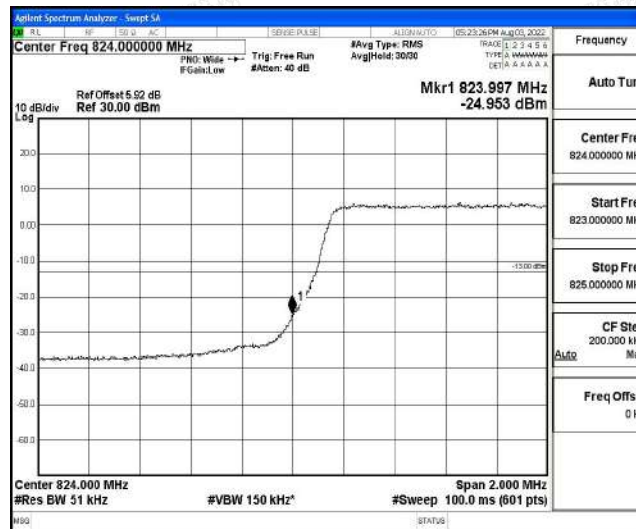


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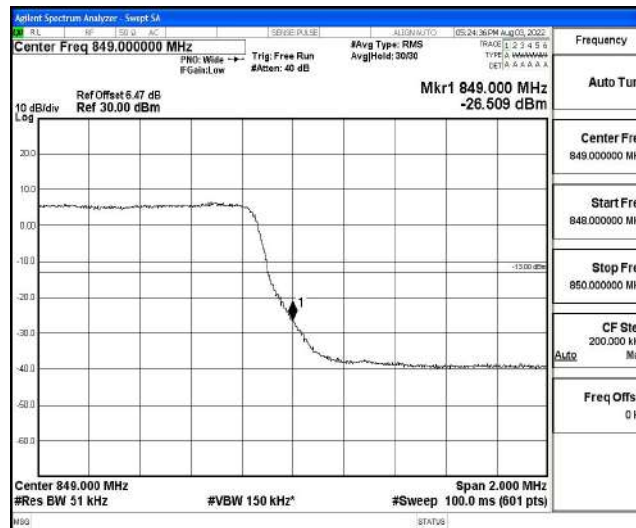
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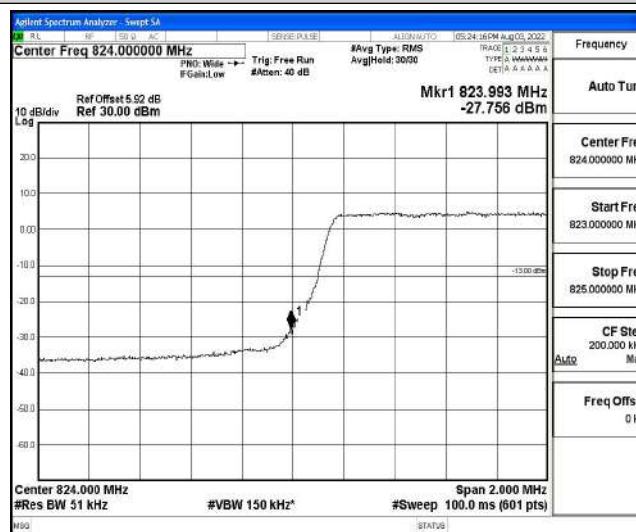
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Band5-3MHz-QPSK-20635-15RB#0

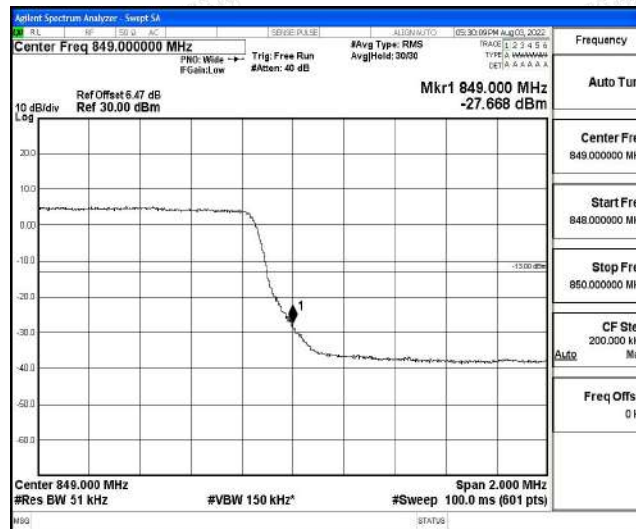


Band5-3MHz-16QAM-20415-15RB#0

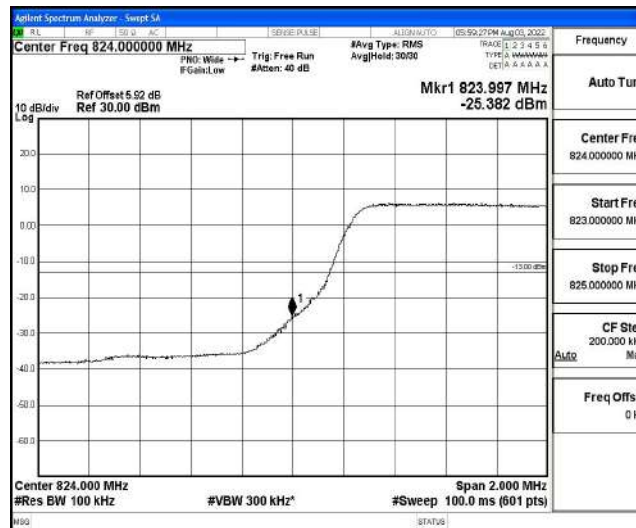


Band5-3MHz-16QAM-20635-15RB#0

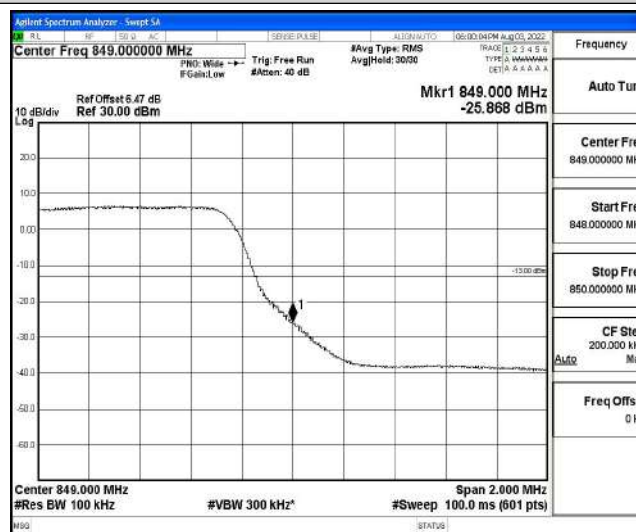




Band5-5MHz-QPSK-20425-25RB#0

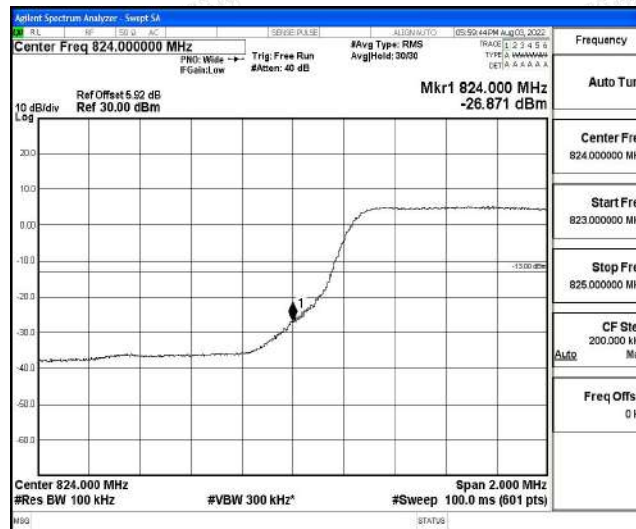


Band5-5MHz-QPSK-20625-25RB#0

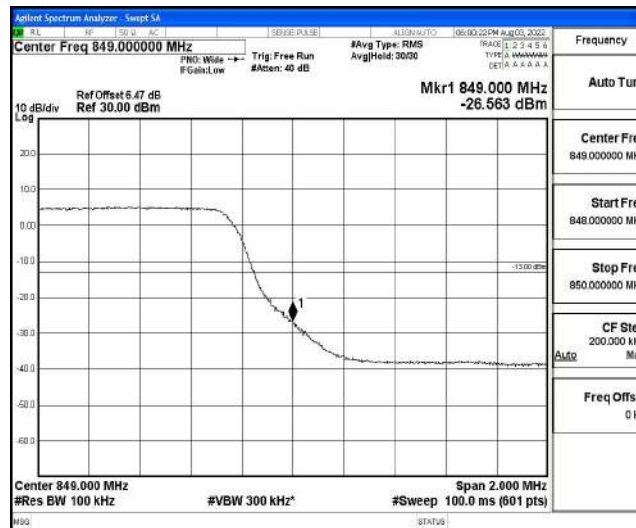


Band5-5MHz-16QAM-20425-25RB#0

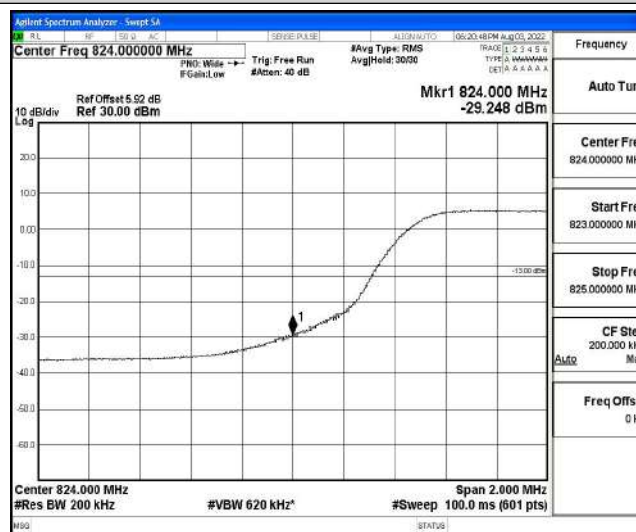




Band5-5MHz-16QAM-20625-25RB#0

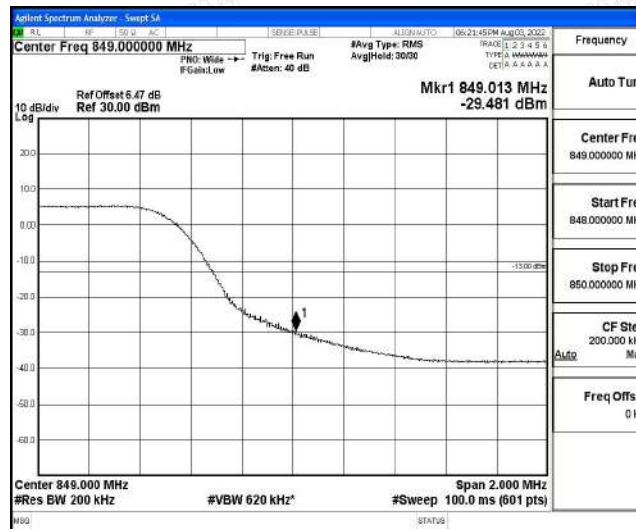


Band5-10MHz-QPSK-20450-50RB#0

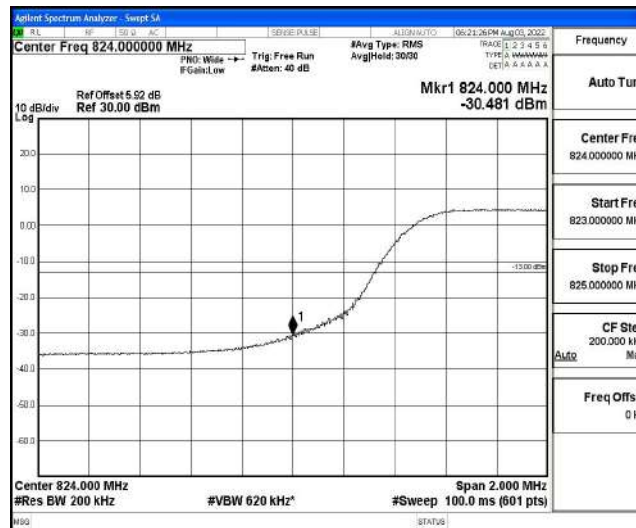


Band5-10MHz-QPSK-20600-50RB#0

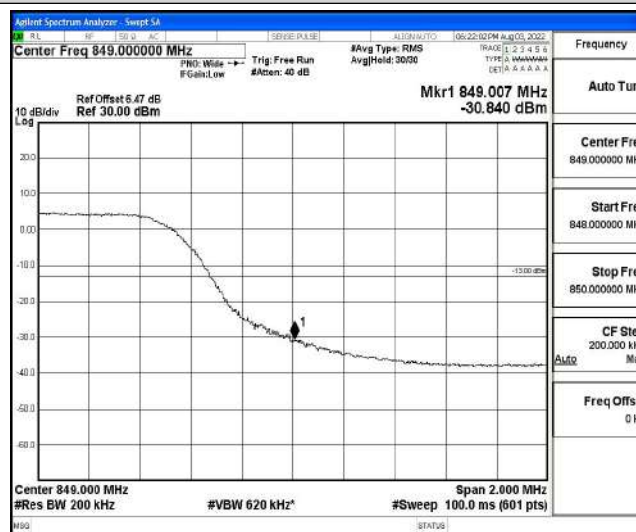




Band5-10MHz-16QAM-20450-50RB#0



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



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F.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-55.6	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-52.94	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-40.46	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-45.14	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-57.05	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-55.32	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-51.81	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-39.26	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-45.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-55.74	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-50.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-41.22	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-53.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.23	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-55.46	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-50.67	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-41.49	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-45.17	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-56.74	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-52.82	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-41.55	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.57	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.01	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.08	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.08	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-55.65	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-51.65	PASS



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Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-41.12	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-54.4	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-51.89	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-40.56	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-45.18	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-53.91	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.03	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.03	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-55.85	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-52.06	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-56.53	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-51.9	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-41.57	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.42	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.27	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.17	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-54.93	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-51.34	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-41.34	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-56.83	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-52.5	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-40.27	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-45.19	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.1	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.15	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.2	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-55.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-51.96	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-40.83	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-45.04	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-54.91	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-51.35	PASS



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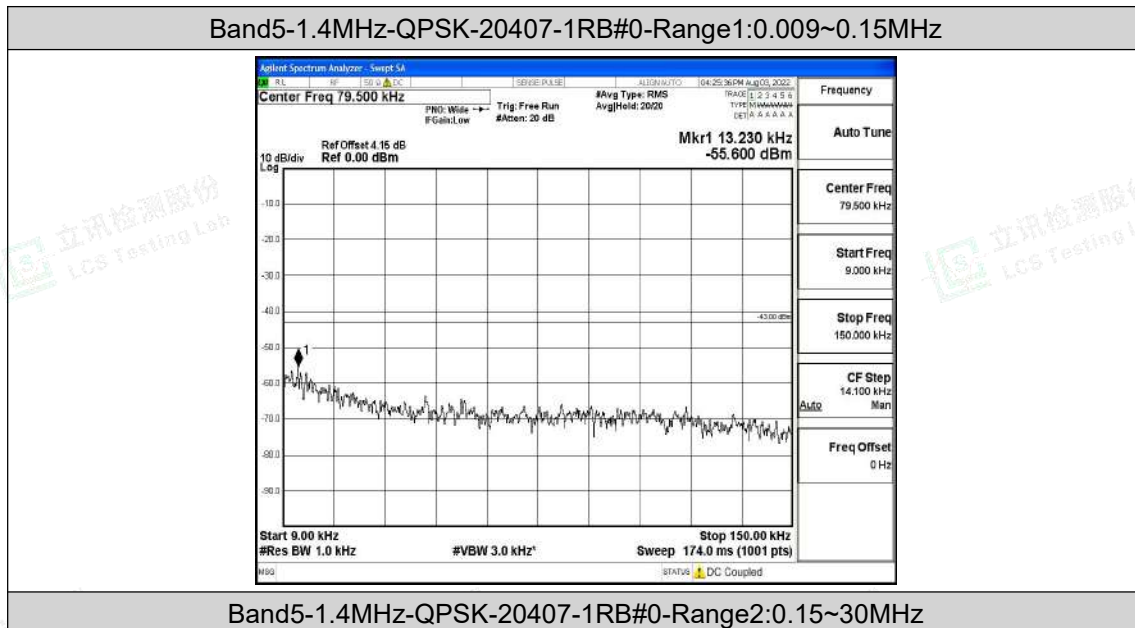
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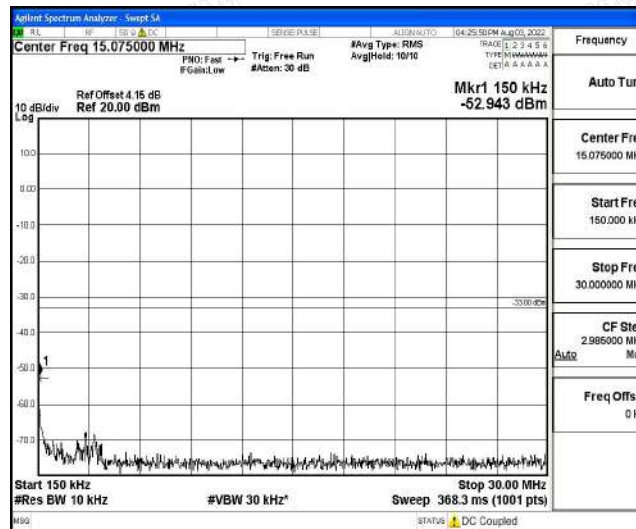
Scan code to check authenticity



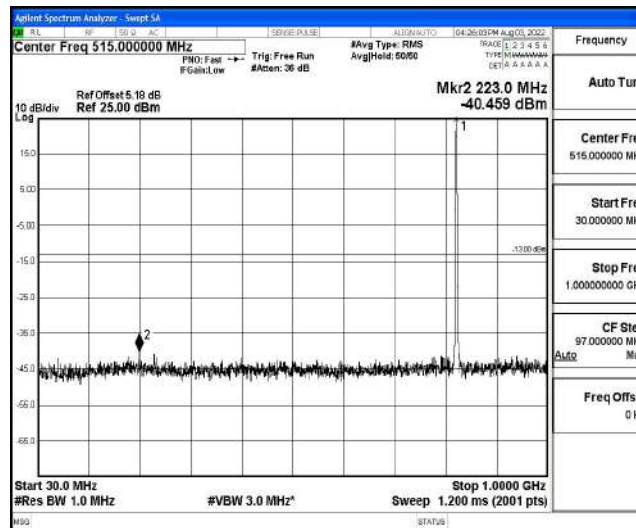
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-41.64	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-53.95	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.02	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.75	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-55.8	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-50.13	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-40.76	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-45.03	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:0.009~0.15MHz	-56.55	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-41.44	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-53.24	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-50.89	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:0.009~0.15MHz	-55.05	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:0.15~30MHz	-51.93	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-41.35	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-45.09	PASS

Test Graphs

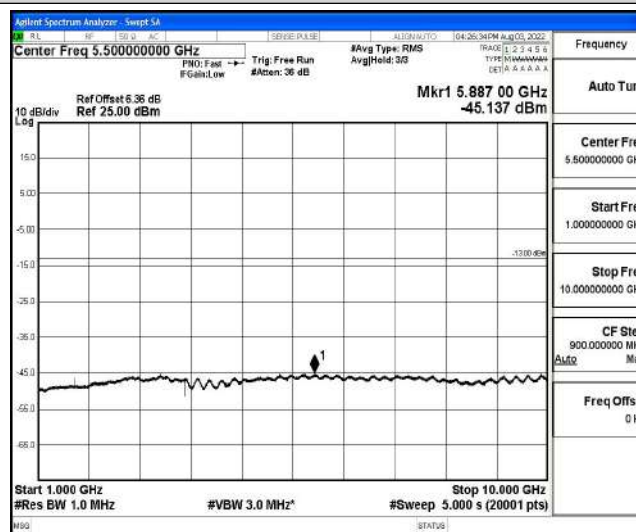




Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

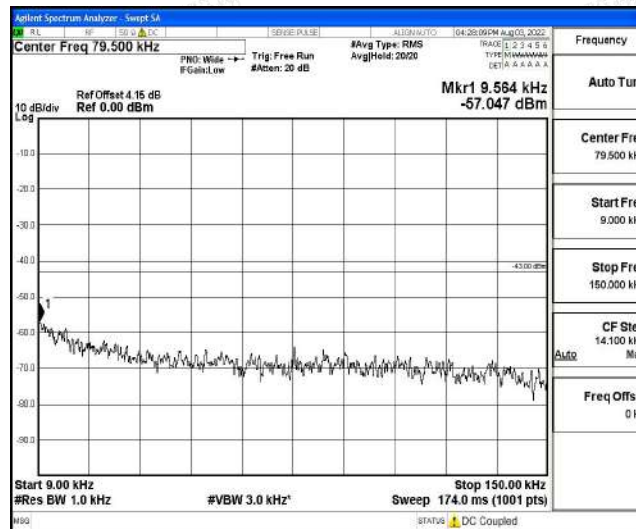


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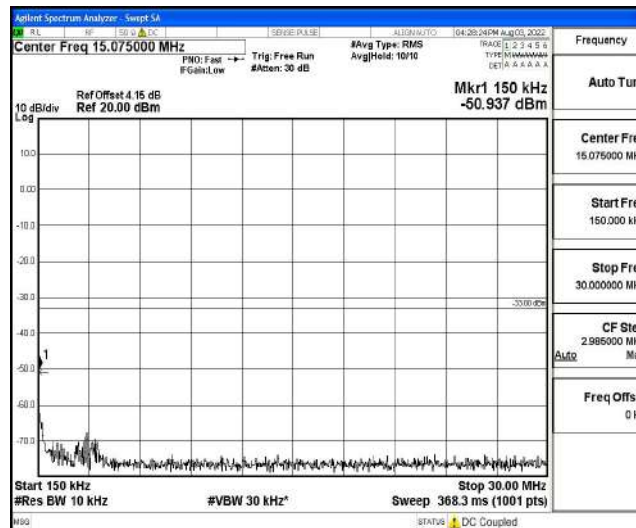
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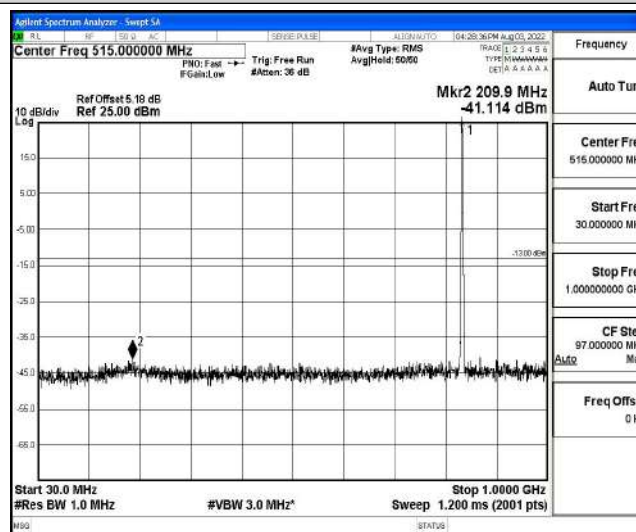
Scan code to check authenticity



Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

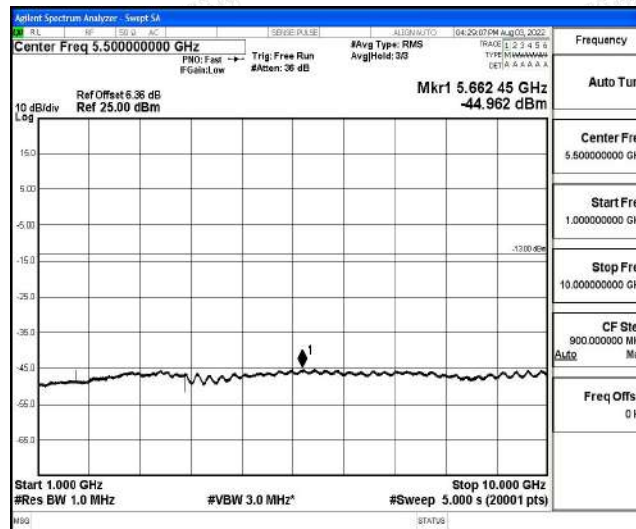


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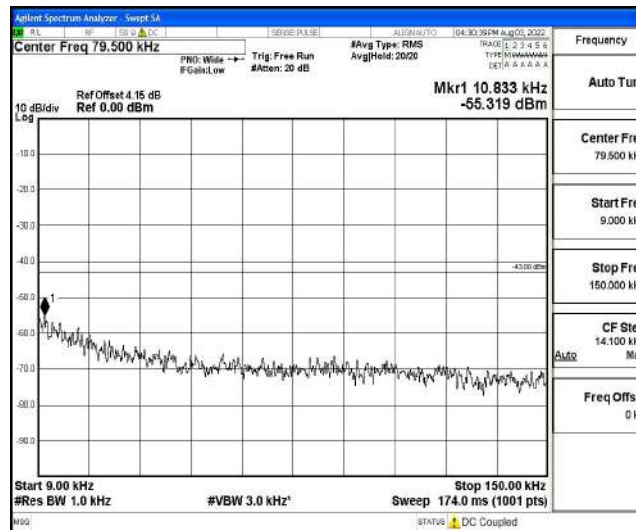
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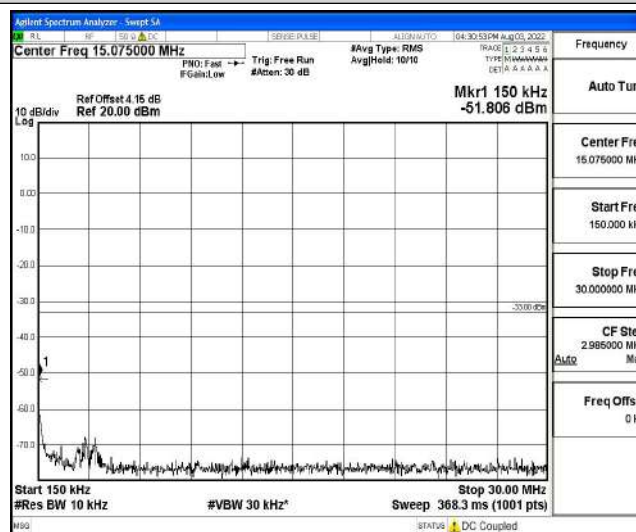
Scan code to check authenticity



Band5-1.4MHz-QPSK-20643-1RB#0-Range1:0.009~0.15MHz

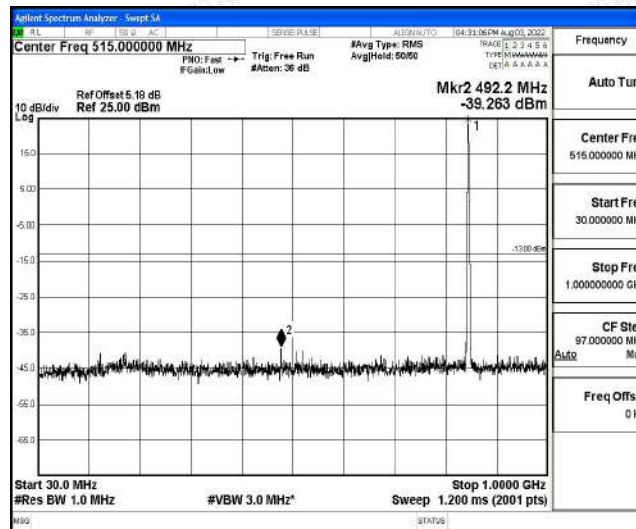


Band5-1.4MHz-QPSK-20643-1RB#0-Range2:0.15~30MHz

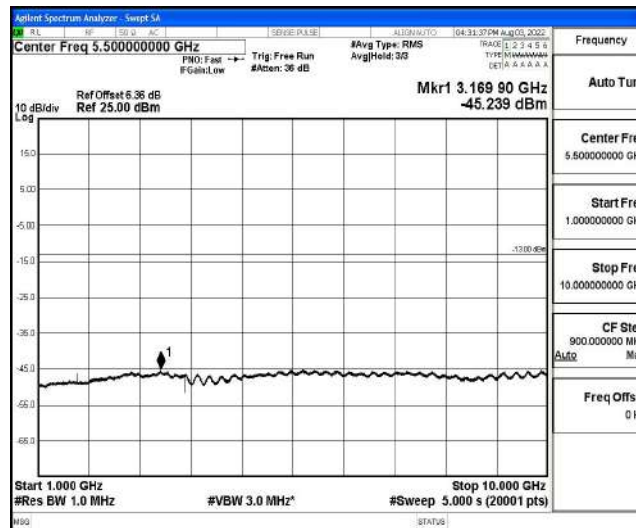


Band5-1.4MHz-QPSK-20643-1RB#0-Range3:30~1000MHz

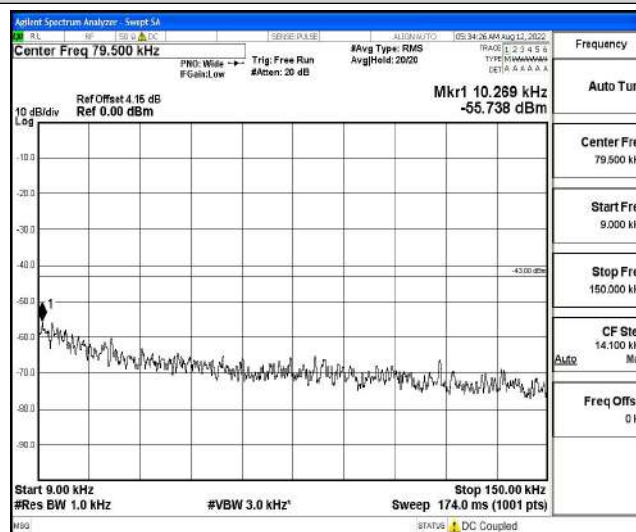




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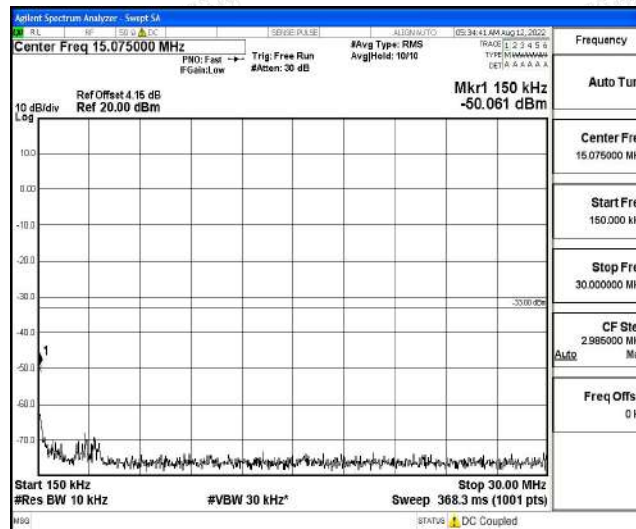


Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz

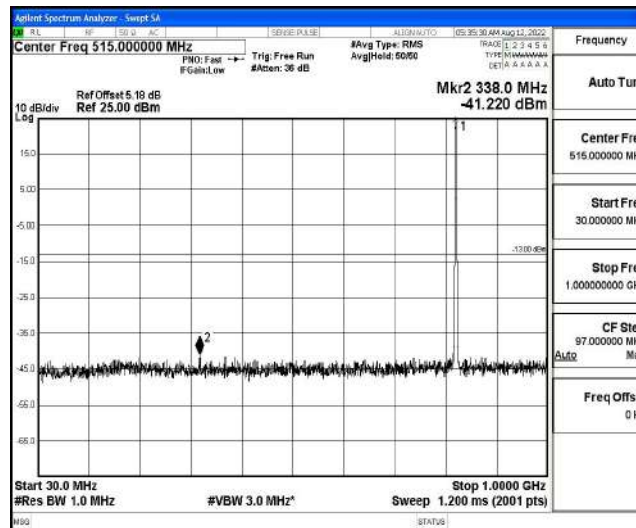


Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz

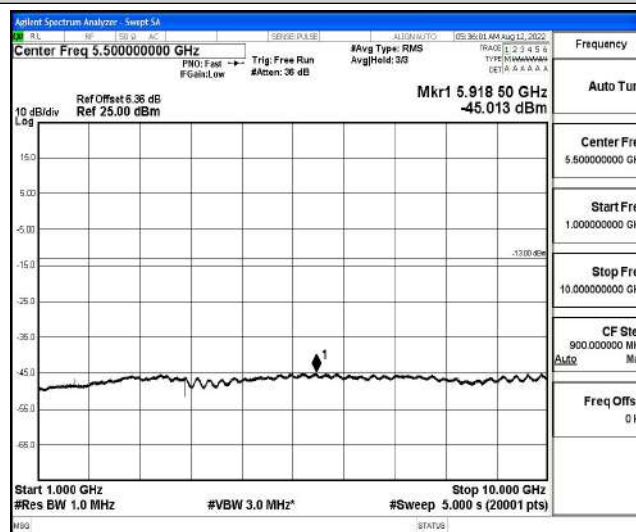




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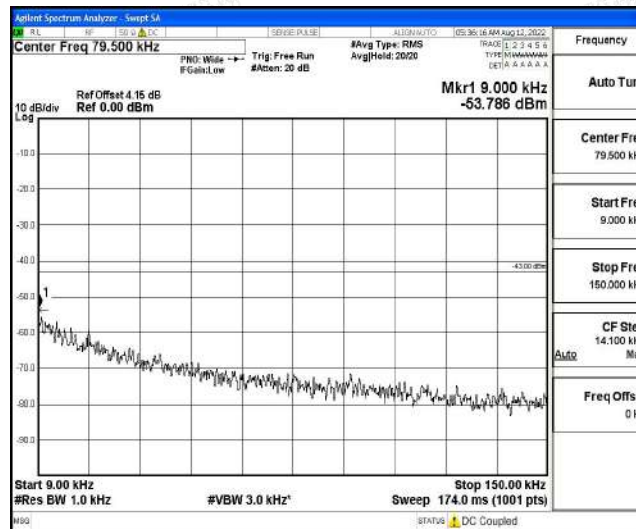


Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz

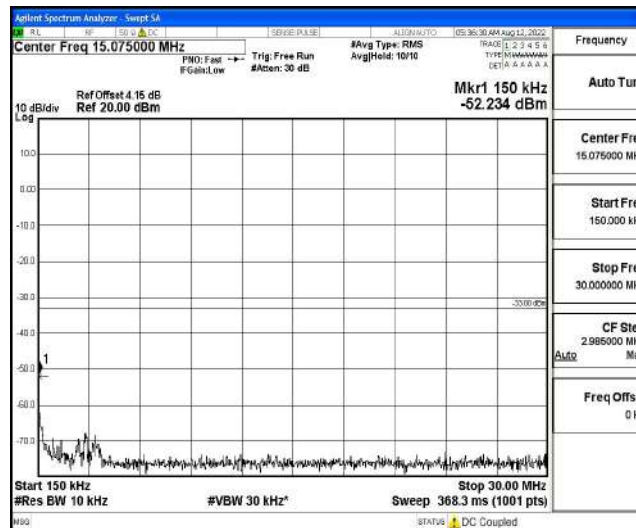


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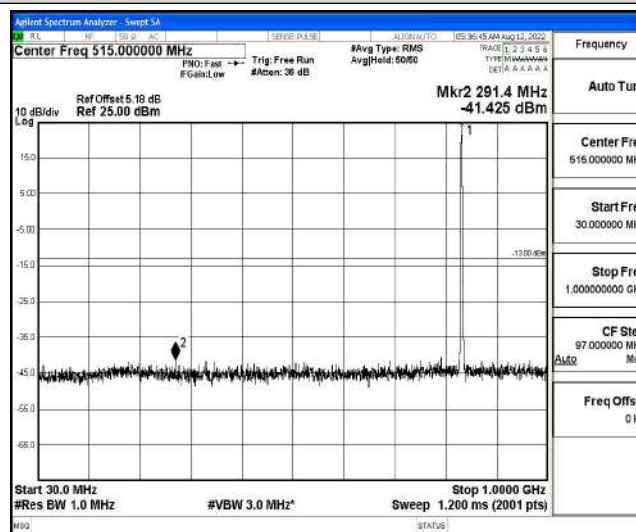




Band5-1.4MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



Band5-1.4MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



Band5-1.4MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

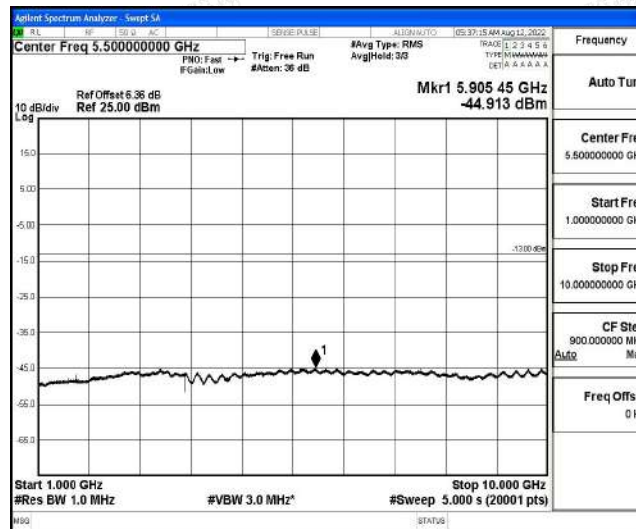


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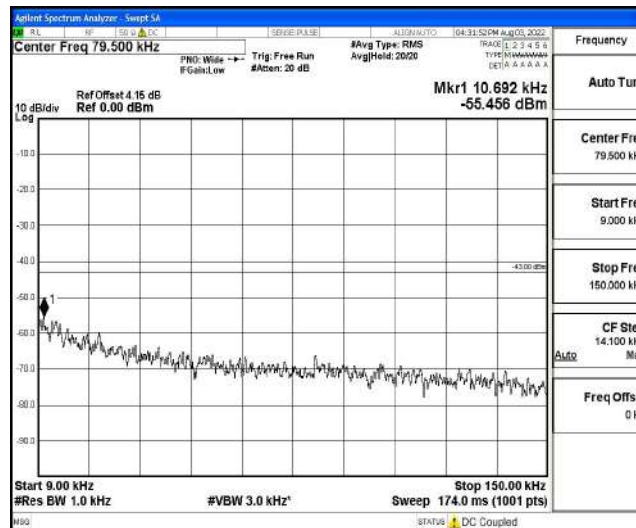
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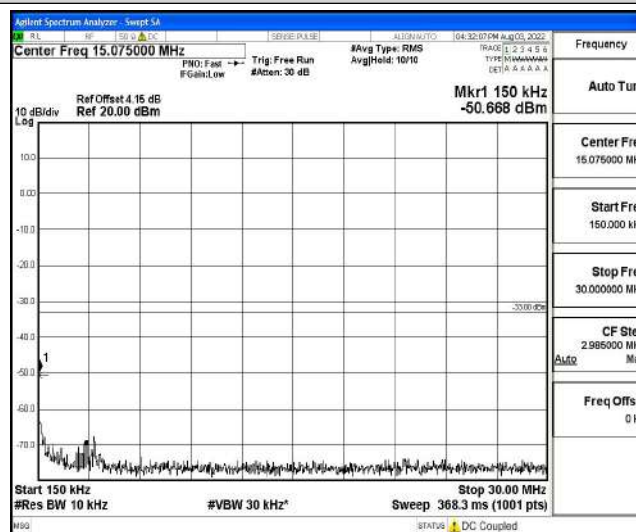
Scan code to check authenticity



Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz

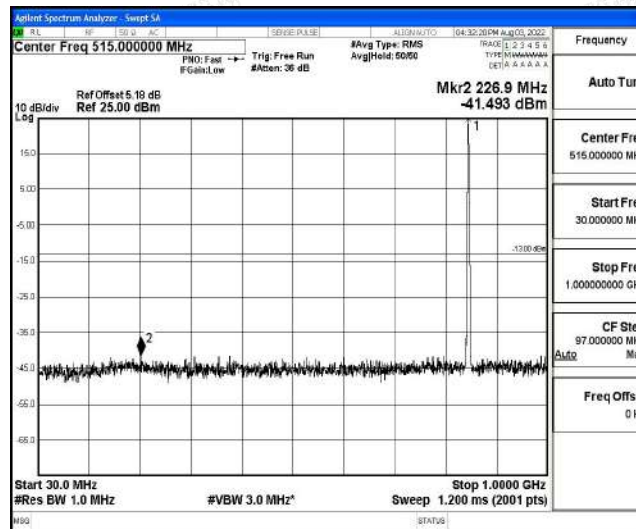


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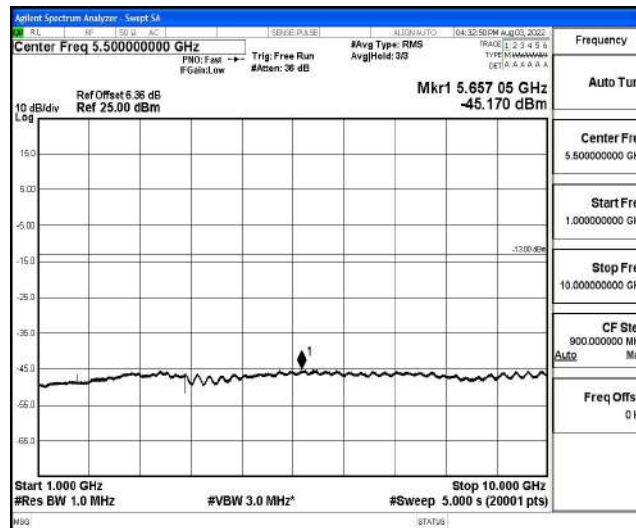
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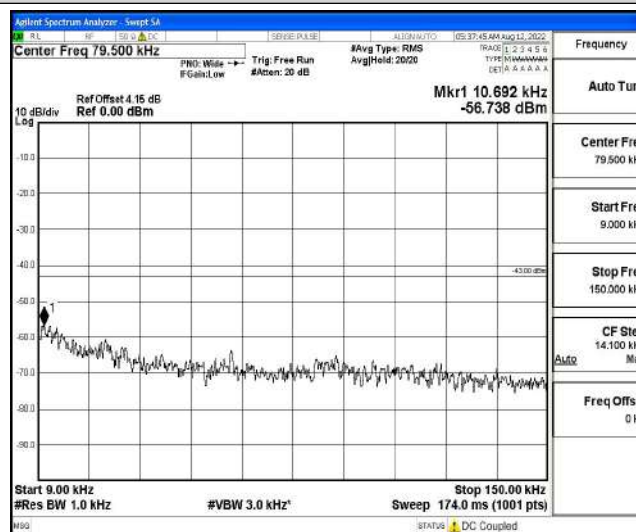
Scan code to check authenticity



Band5-1.4MHz-16QAM-20643-1RB#0-Range4:1000~10000MHz

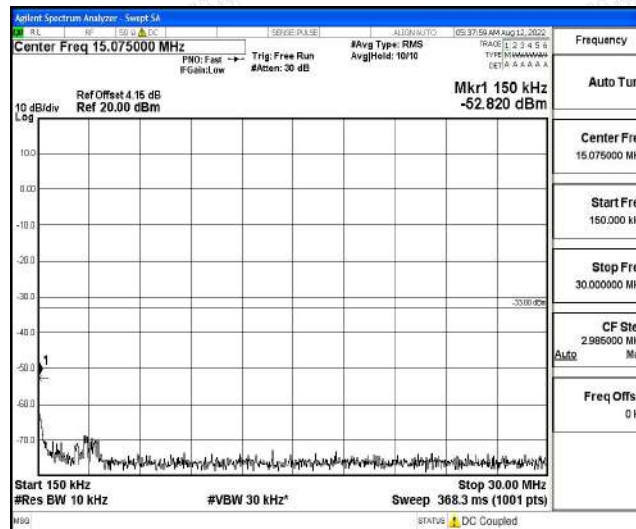


Band5-3MHz-QPSK-20415-1RB#0-Range1:0.009~0.15MHz

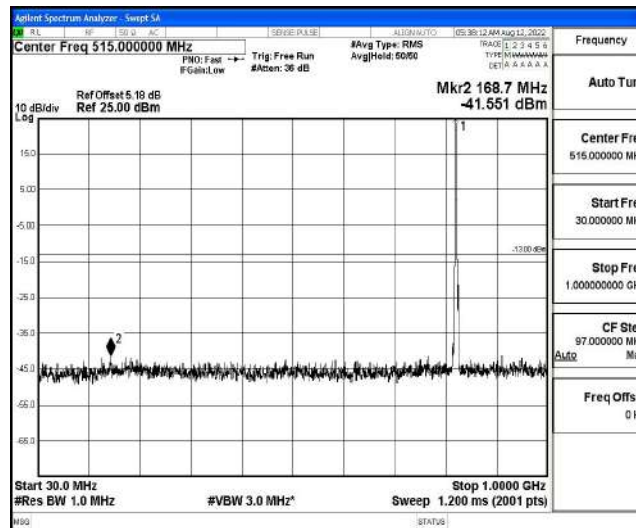


Band5-3MHz-QPSK-20415-1RB#0-Range2:0.15~30MHz

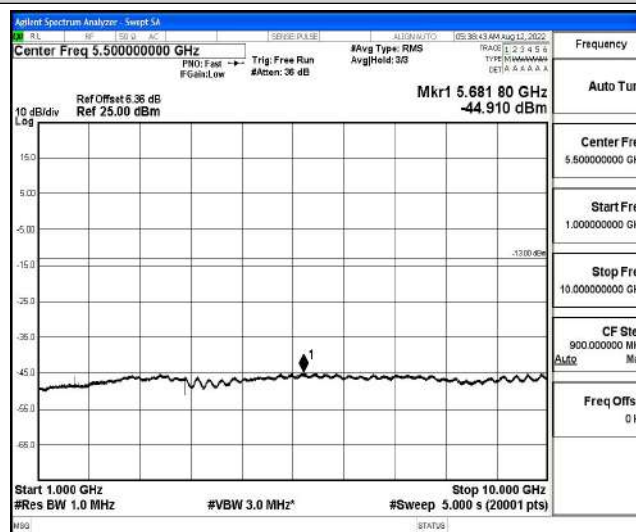




Band5-3MHz-QPSK-20415-1RB#0-Range3:30~1000MHz

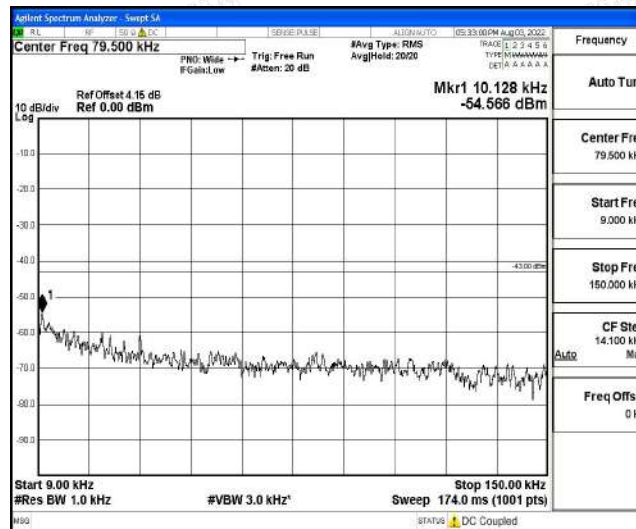


Band5-3MHz-QPSK-20415-1RB#0-Range4:1000~10000MHz

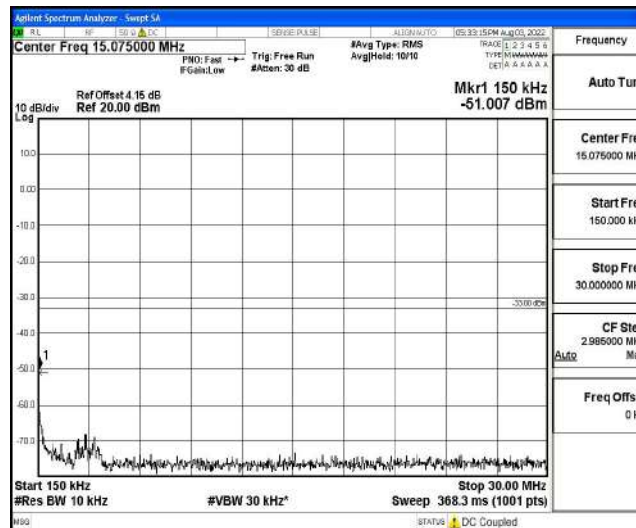


Band5-3MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

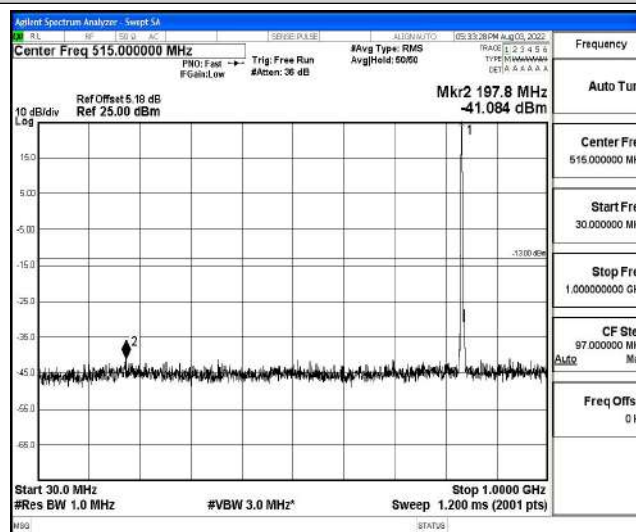




Band5-3MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Band5-3MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



Band5-3MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

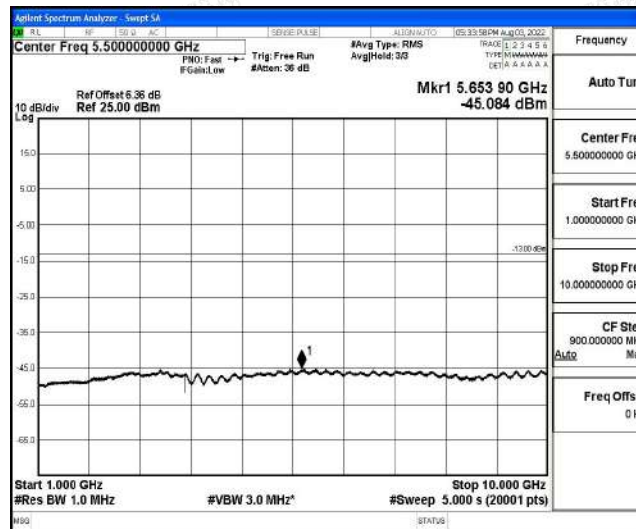


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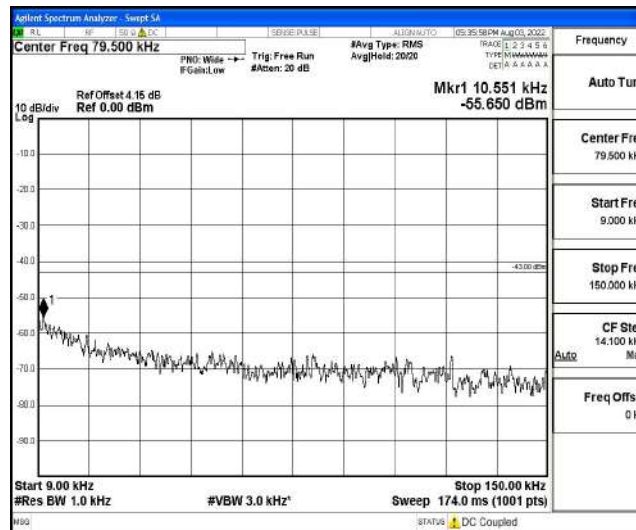
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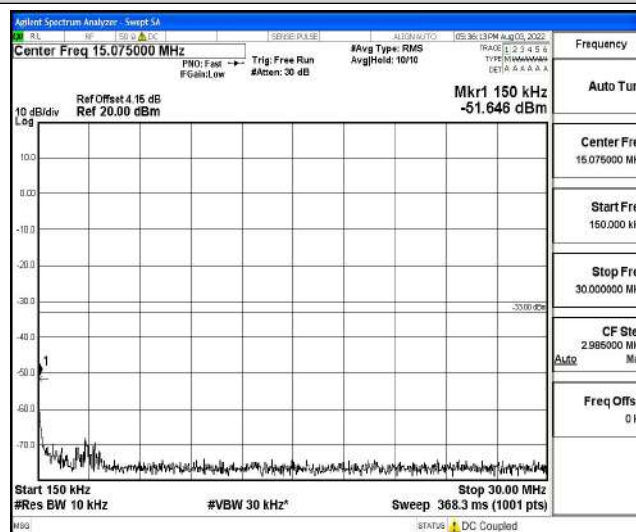
Scan code to check authenticity



Band5-3MHz-QPSK-20635-1RB#0-Range1:0.009~0.15MHz



Band5-3MHz-QPSK-20635-1RB#0-Range2:0.15~30MHz



Band5-3MHz-QPSK-20635-1RB#0-Range3:30~1000MHz

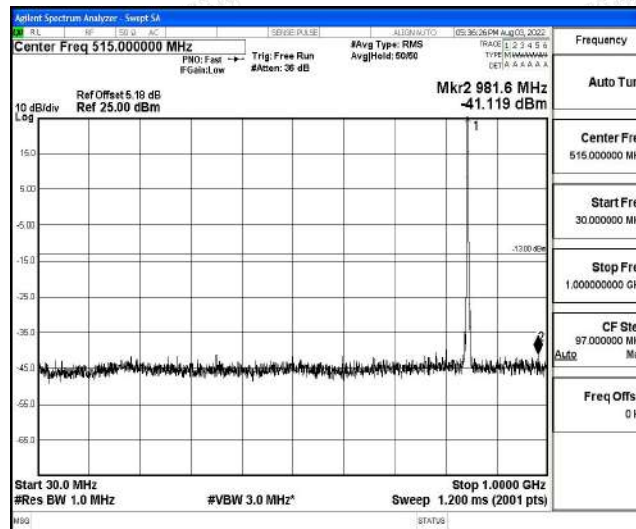


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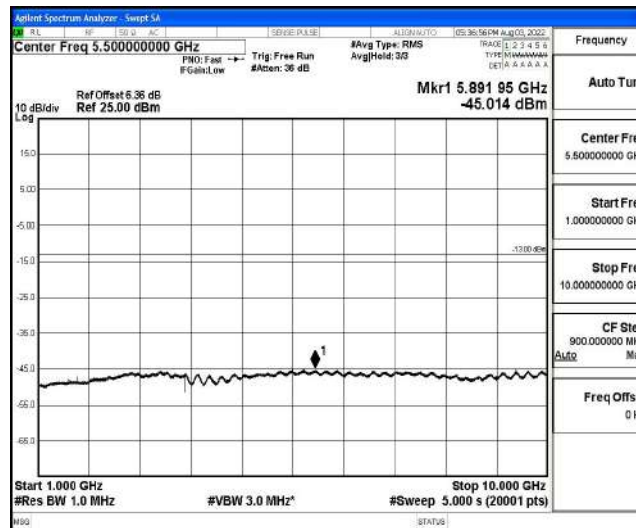
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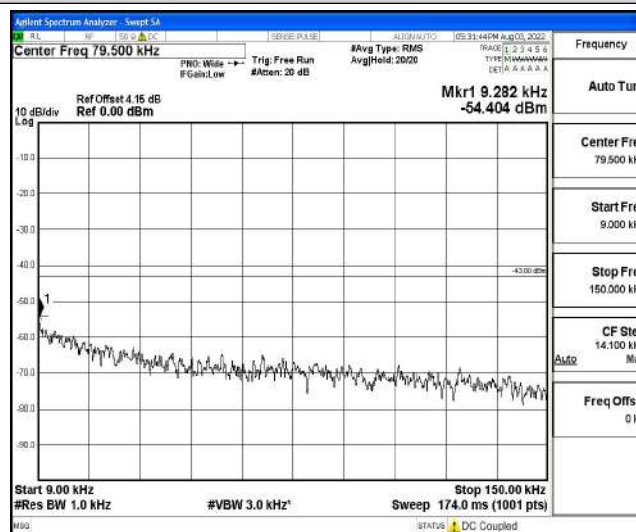
Scan code to check authenticity



Band5-3MHz-QPSK-20635-1RB#0-Range4:1000~10000MHz

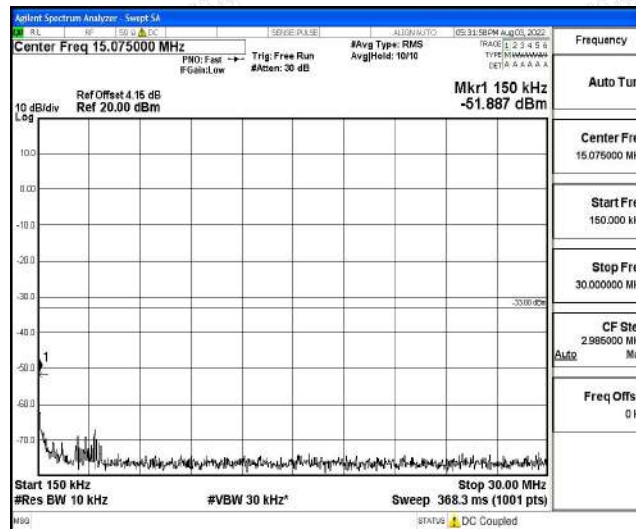


Band5-3MHz-16QAM-20415-1RB#0-Range1:0.009~0.15MHz

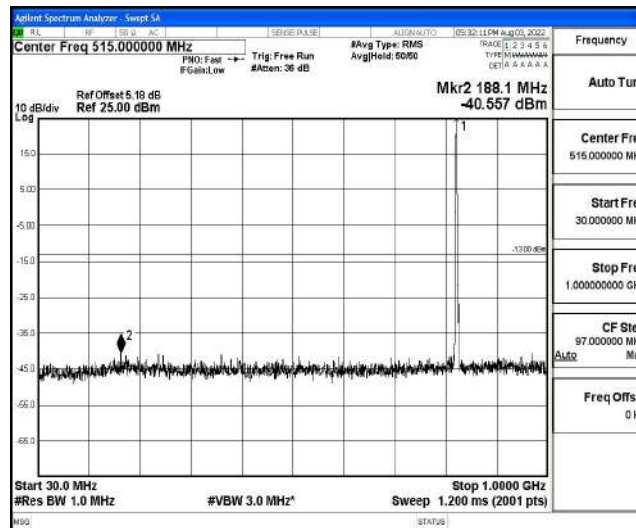


Band5-3MHz-16QAM-20415-1RB#0-Range2:0.15~30MHz

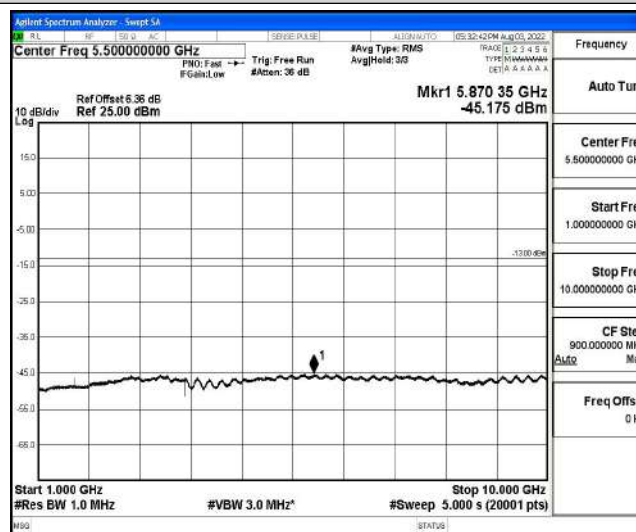




Band5-3MHz-16QAM-20415-1RB#0-Range3:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range4:1000~10000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

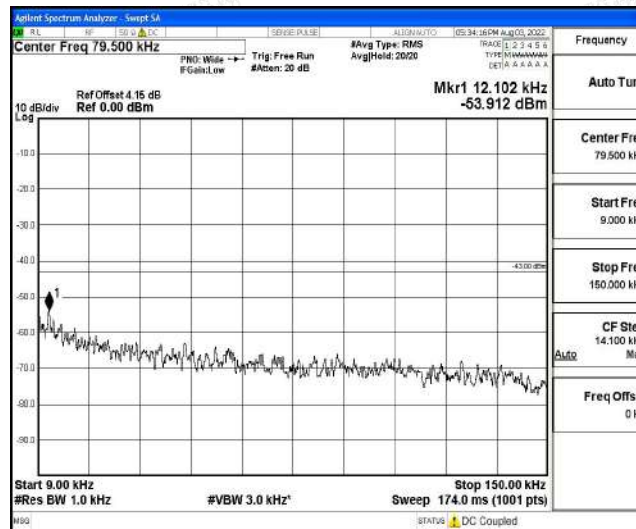


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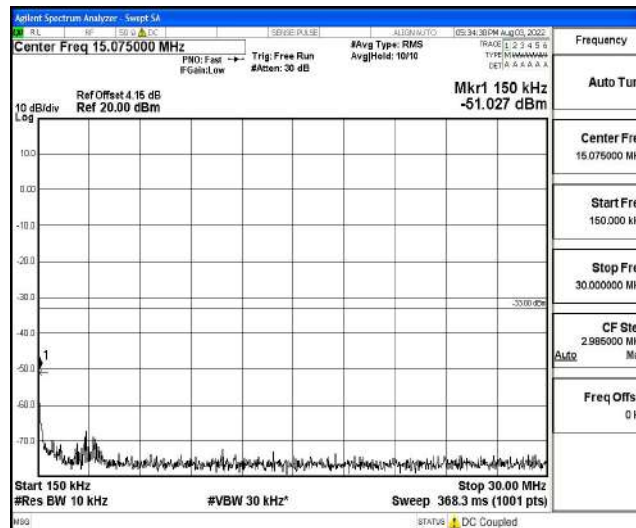
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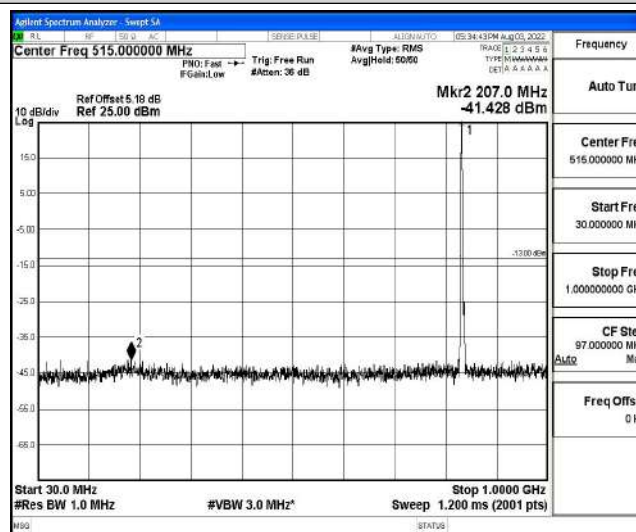
Scan code to check authenticity



Band5-3MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



Band5-3MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

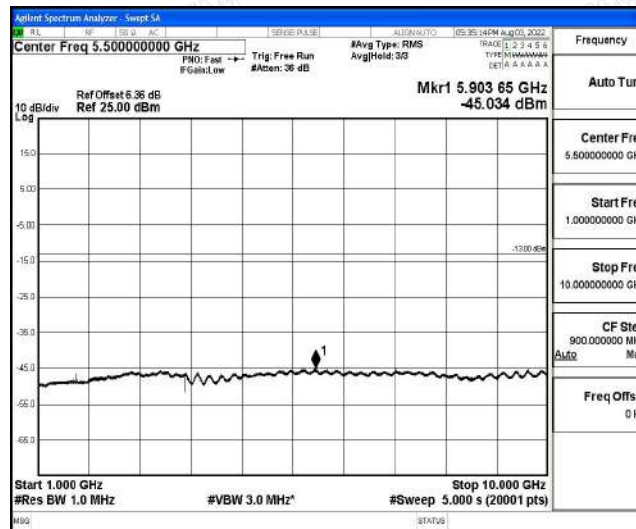


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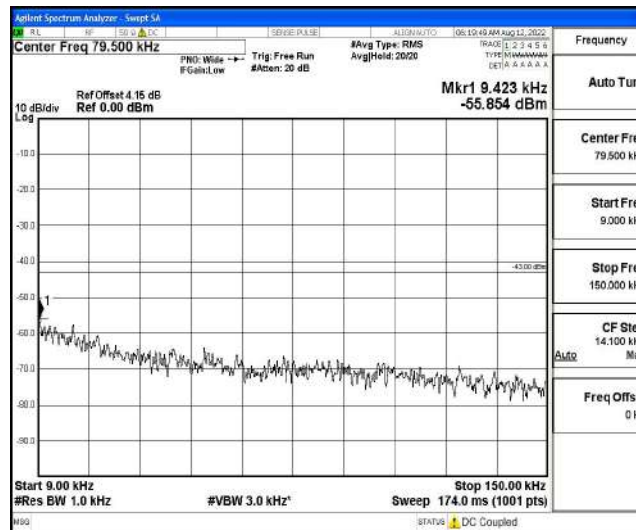
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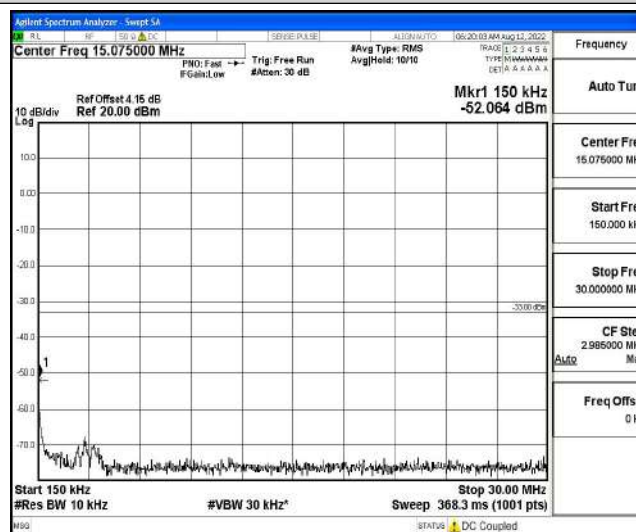
Scan code to check authenticity



Band5-3MHz-16QAM-20635-1RB#0-Range1:0.009~0.15MHz

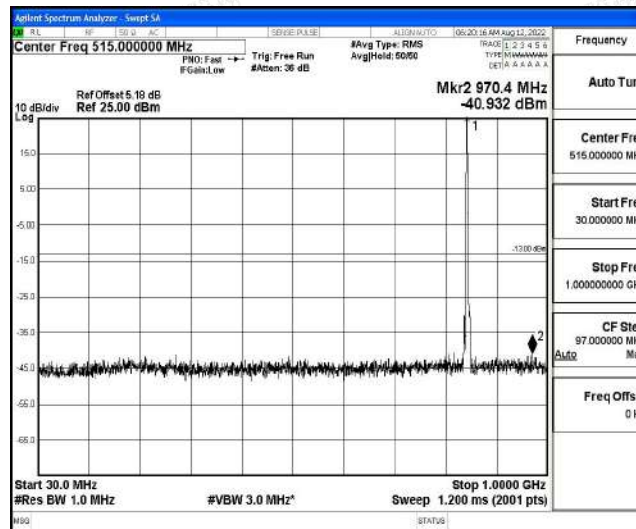


Band5-3MHz-16QAM-20635-1RB#0-Range2:0.15~30MHz

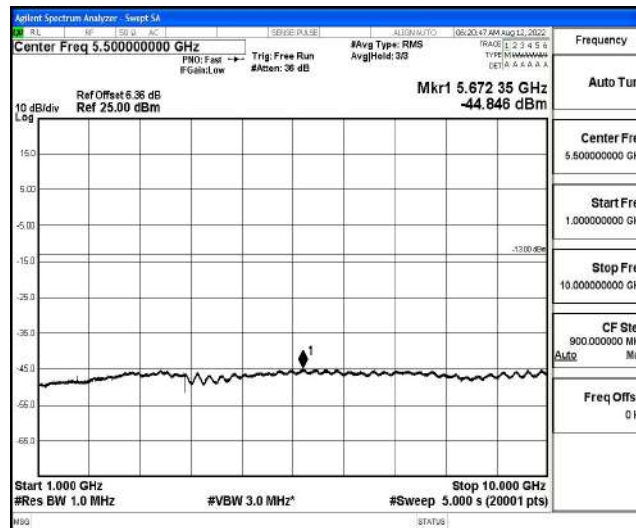


Band5-3MHz-16QAM-20635-1RB#0-Range3:30~1000MHz

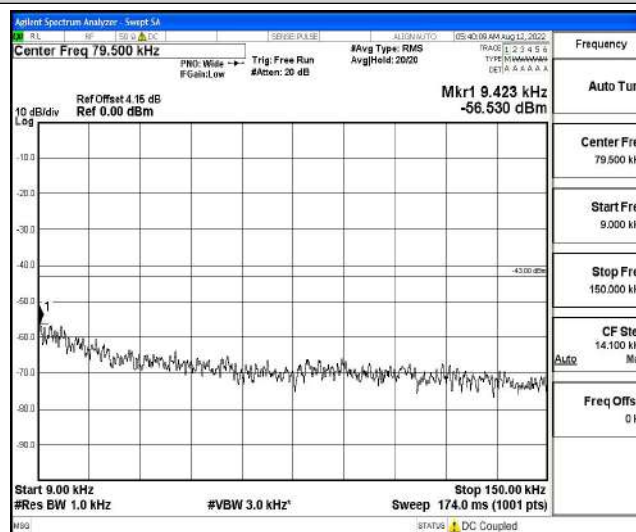




Band5-3MHz-16QAM-20635-1RB#0-Range4:1000~10000MHz

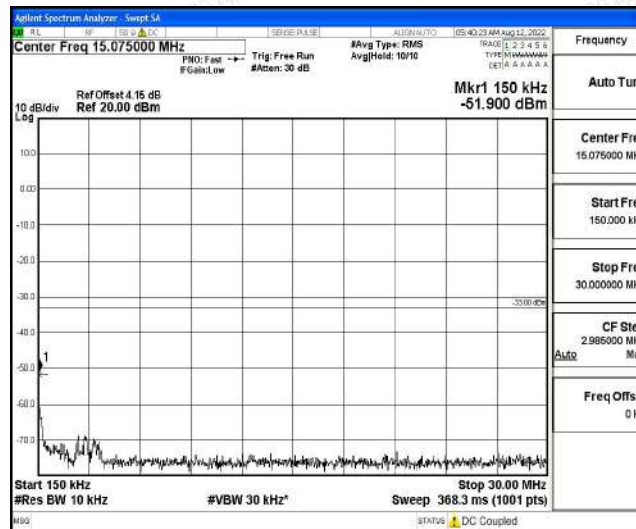


Band5-5MHz-QPSK-20425-1RB#0-Range1:0.009~0.15MHz

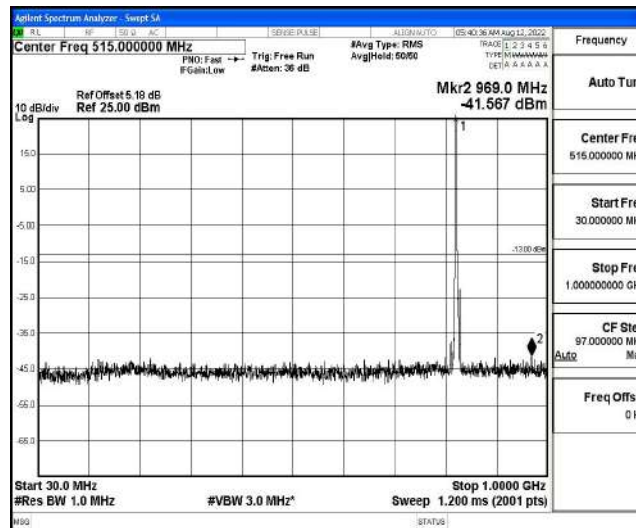


Band5-5MHz-QPSK-20425-1RB#0-Range2:0.15~30MHz

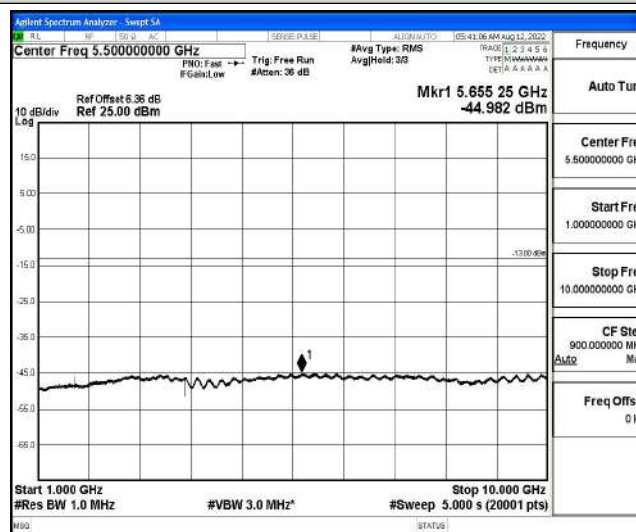




Band5-5MHz-QPSK-20425-1RB#0-Range3:30~1000MHz

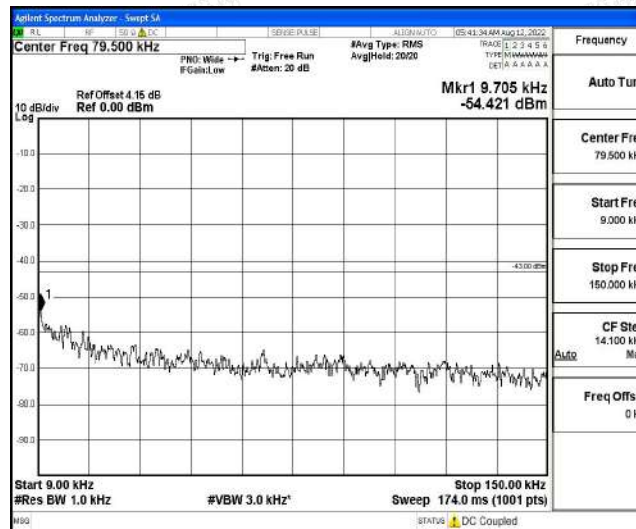


Band5-5MHz-QPSK-20425-1RB#0-Range4:1000~10000MHz

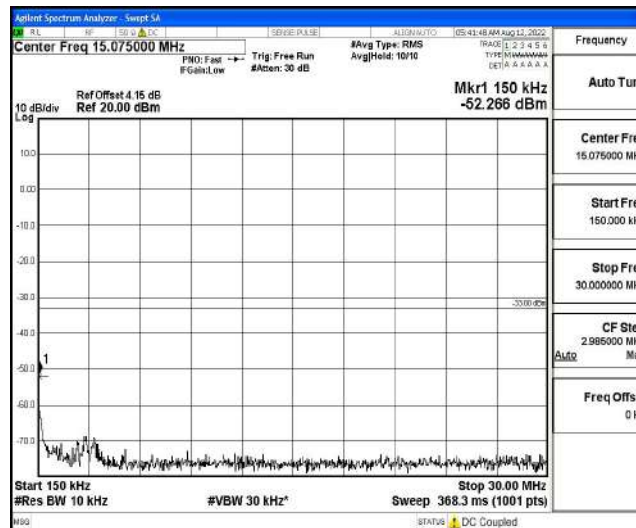


Band5-5MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

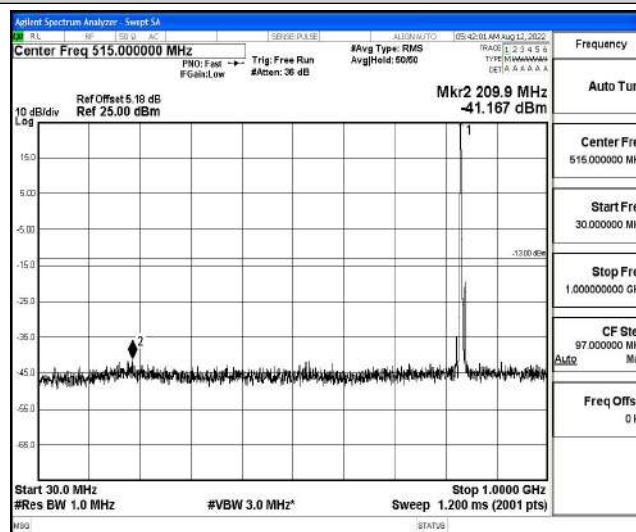




Band5-5MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Band5-5MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



Band5-5MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz

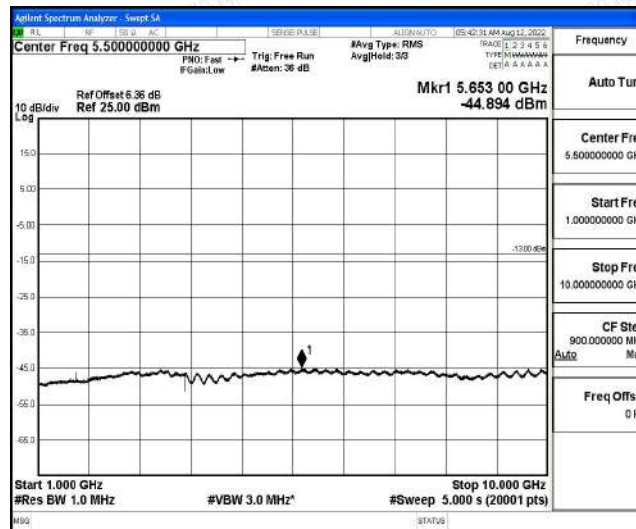


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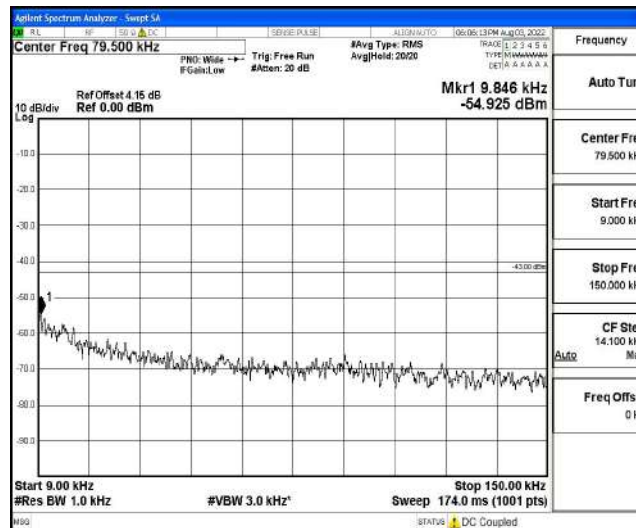
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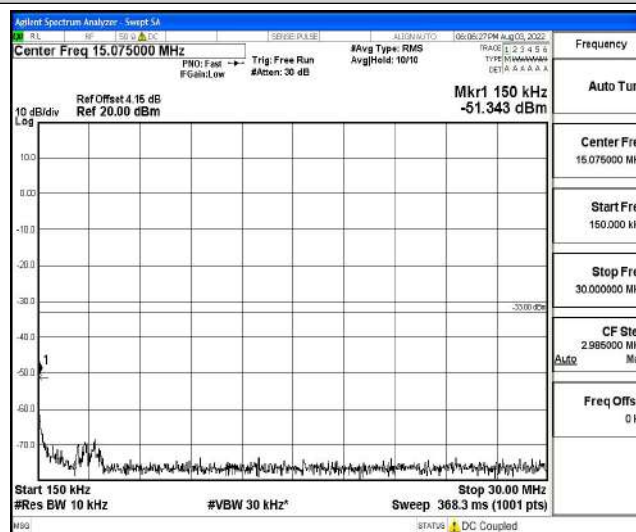
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Band5-5MHz-QPSK-20625-1RB#0-Range1:0.009~0.15MHz



Band5-5MHz-QPSK-20625-1RB#0-Range2:0.15~30MHz



Band5-5MHz-QPSK-20625-1RB#0-Range3:30~1000MHz

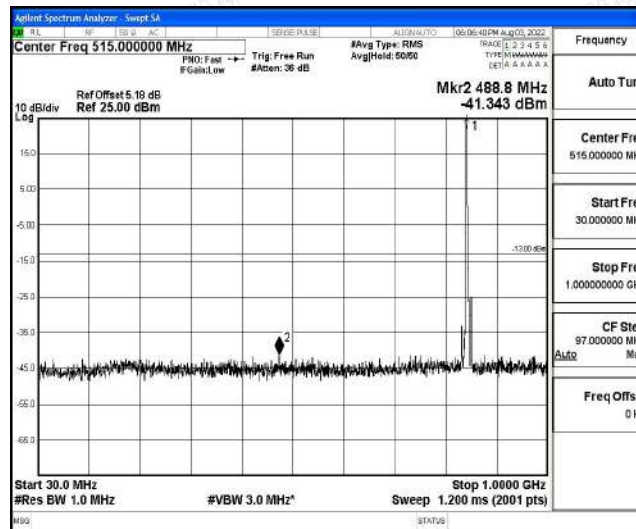


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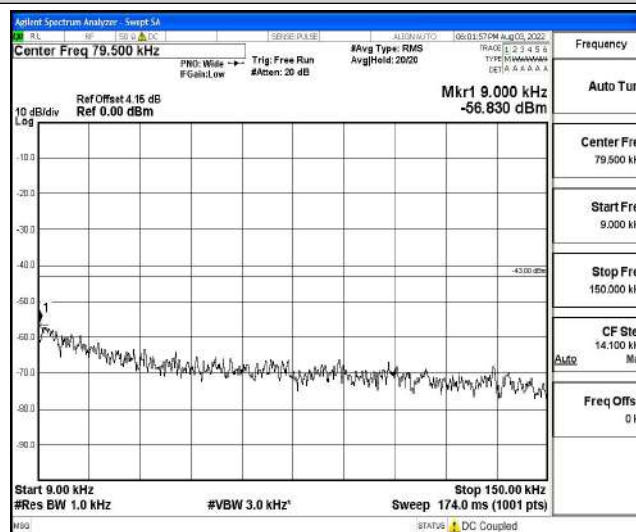
Scan code to check authenticity



Band5-5MHz-QPSK-20625-1RB#0-Range4:1000~10000MHz

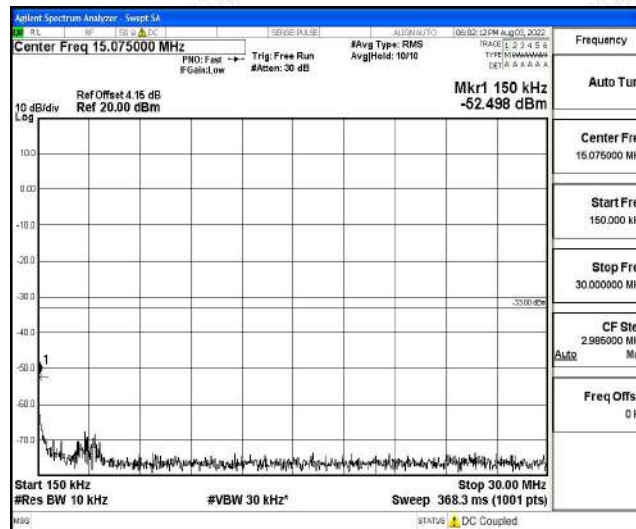


Band5-5MHz-16QAM-20425-1RB#0-Range1:0.009~0.15MHz

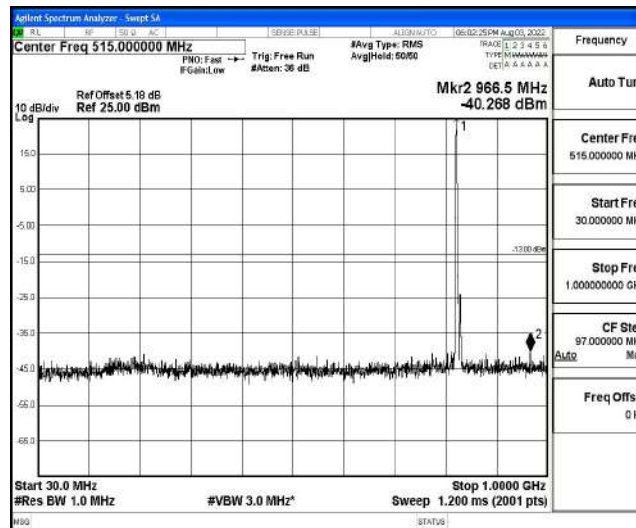


Band5-5MHz-16QAM-20425-1RB#0-Range2:0.15~30MHz

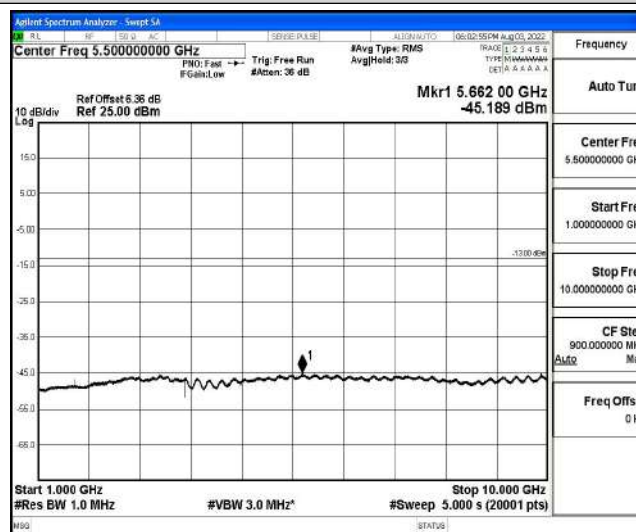




Band5-5MHz-16QAM-20425-1RB#0-Range3:30~1000MHz



Band5-5MHz-16QAM-20425-1RB#0-Range4:1000~10000MHz



Band5-5MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

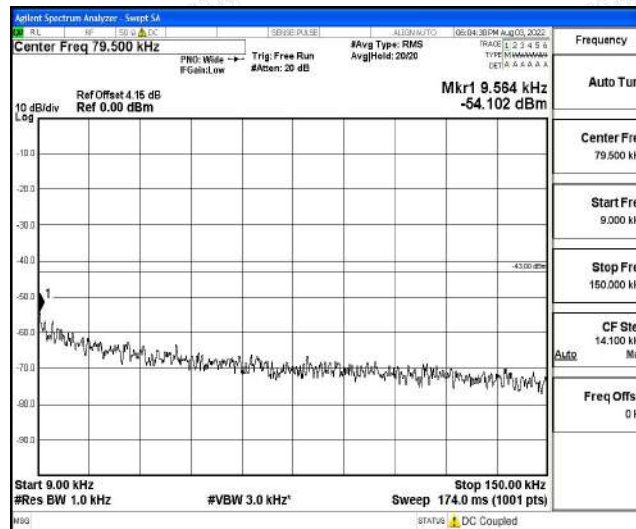


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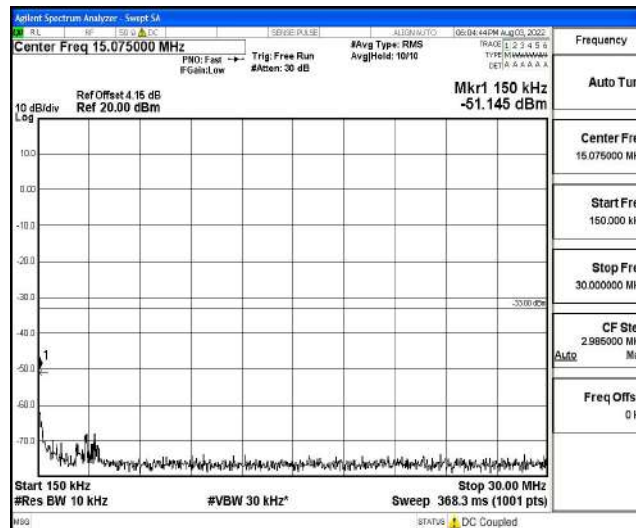
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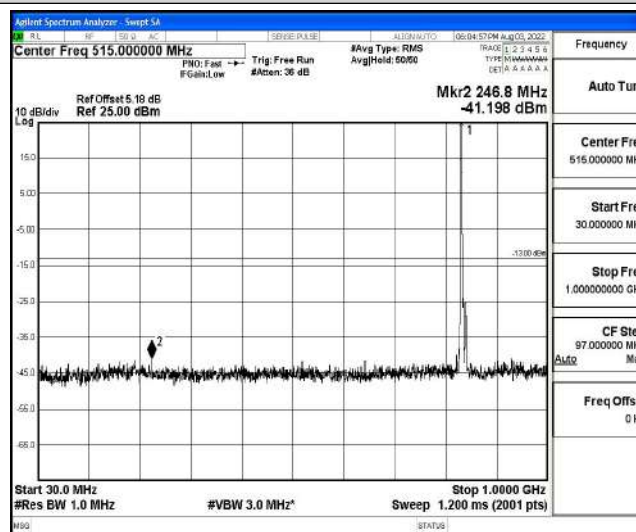
Scan code to check authenticity



Band5-5MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz

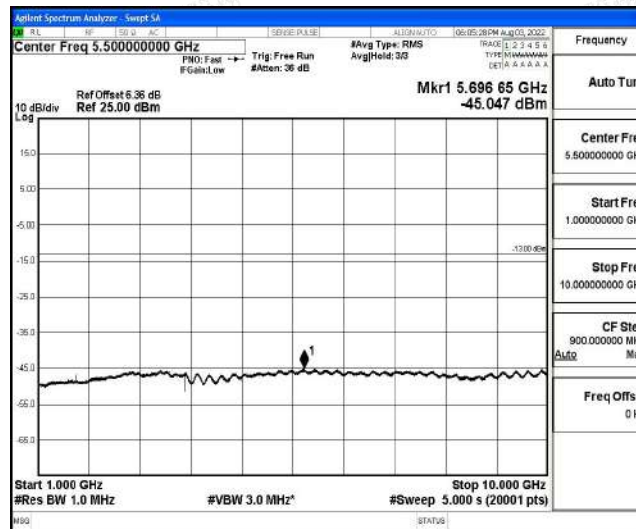


Band5-5MHz-16QAM-20525-1RB#0-Range3:30~1000MHz

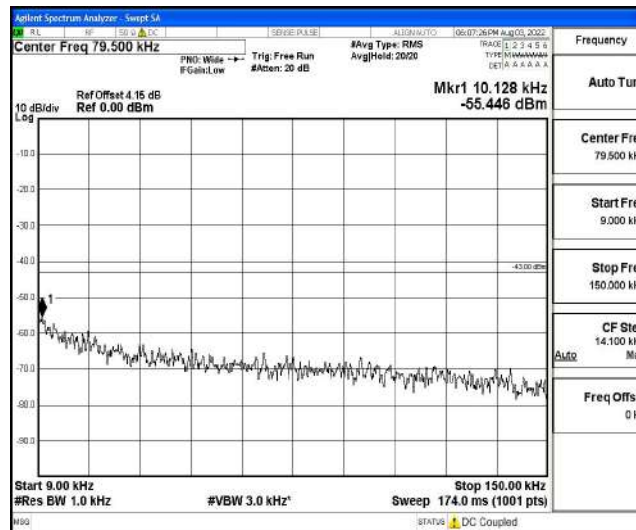


Band5-5MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

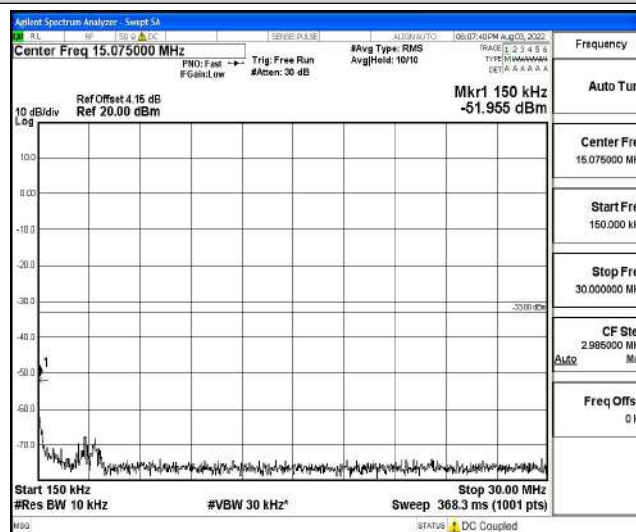




Band5-5MHz-16QAM-20625-1RB#0-Range1:0.009~0.15MHz

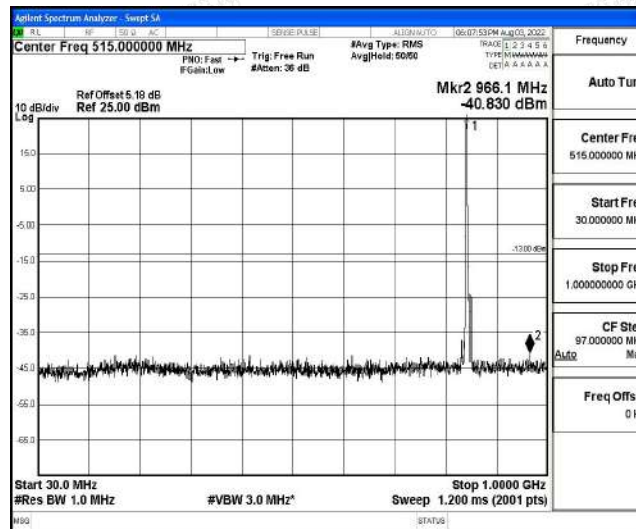


Band5-5MHz-16QAM-20625-1RB#0-Range2:0.15~30MHz

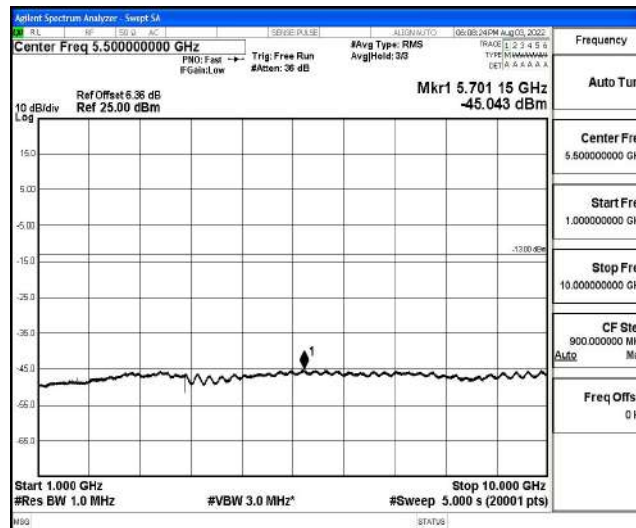


Band5-5MHz-16QAM-20625-1RB#0-Range3:30~1000MHz

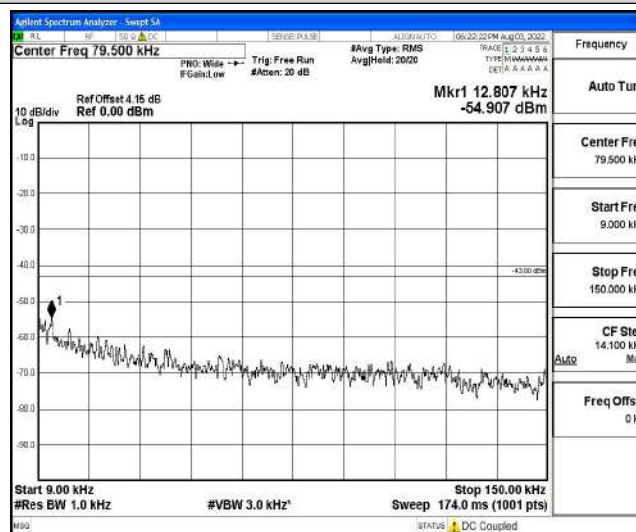




Band5-5MHz-16QAM-20625-1RB#0-Range4:1000~10000MHz

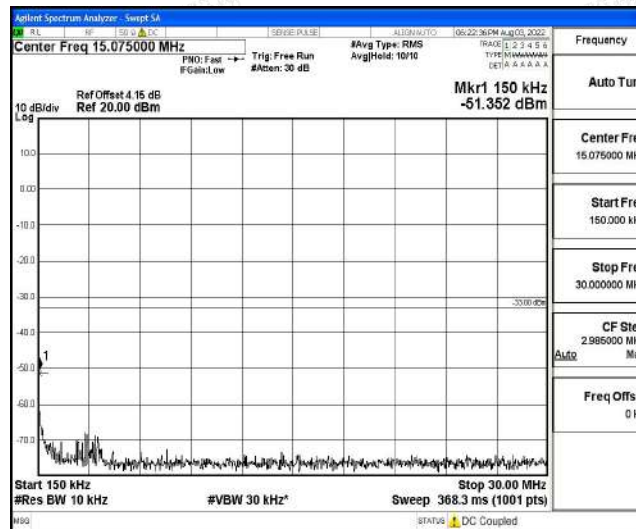


Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz

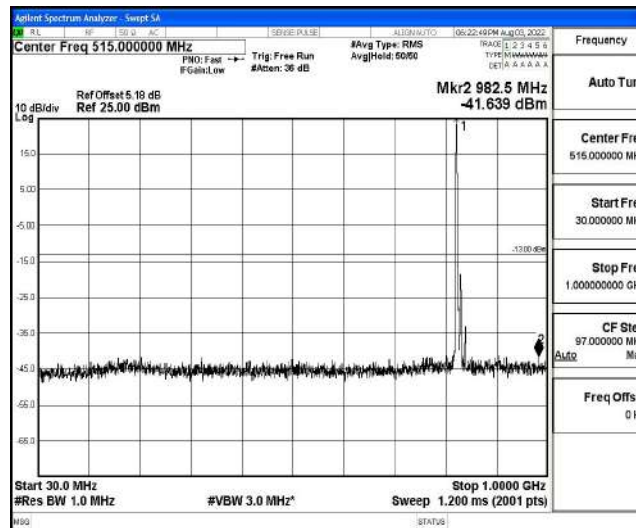


Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz

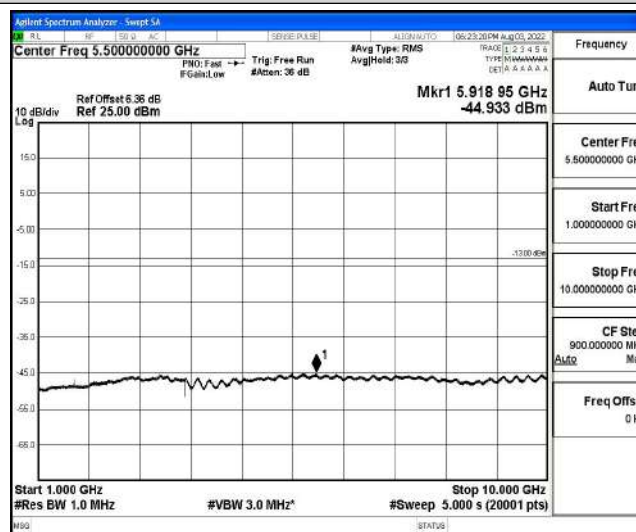




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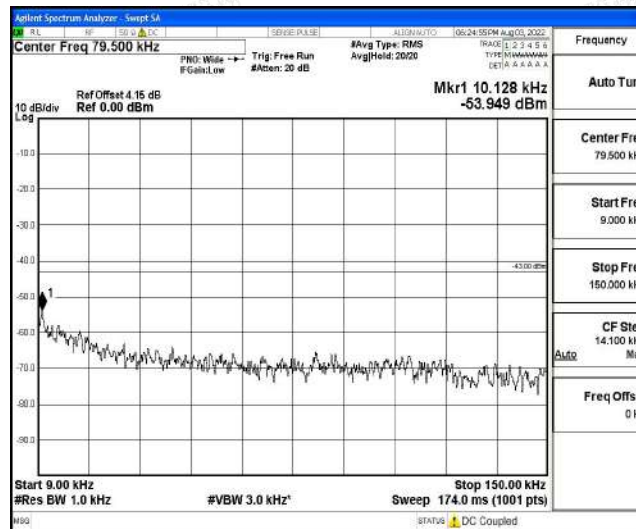


Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz

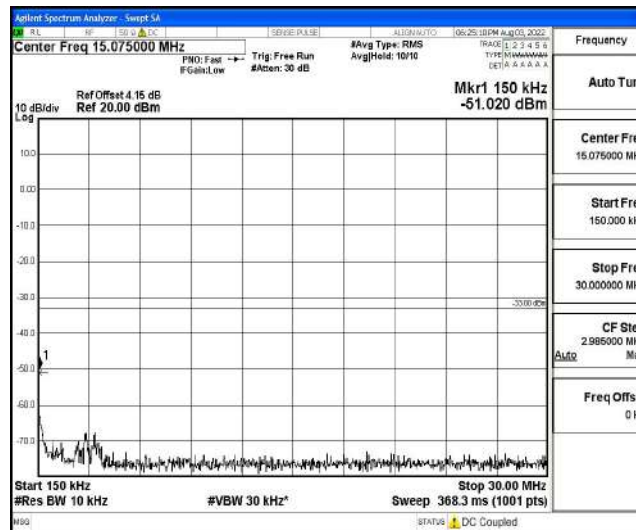


Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

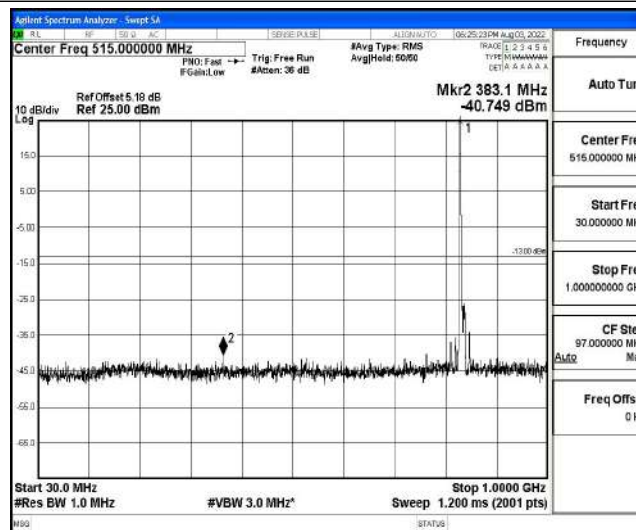




Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz

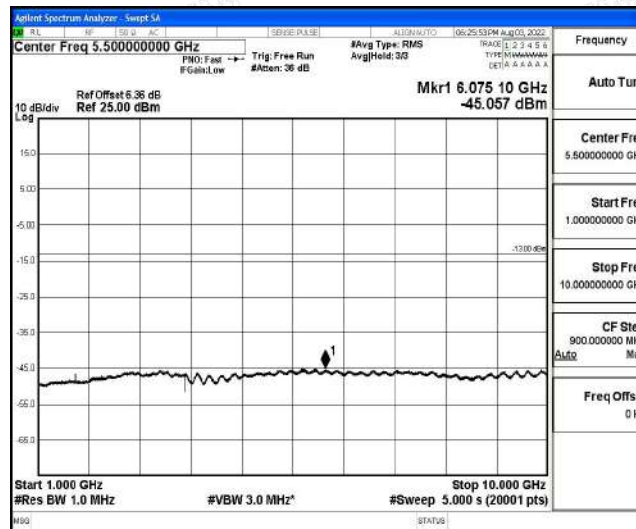


Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz

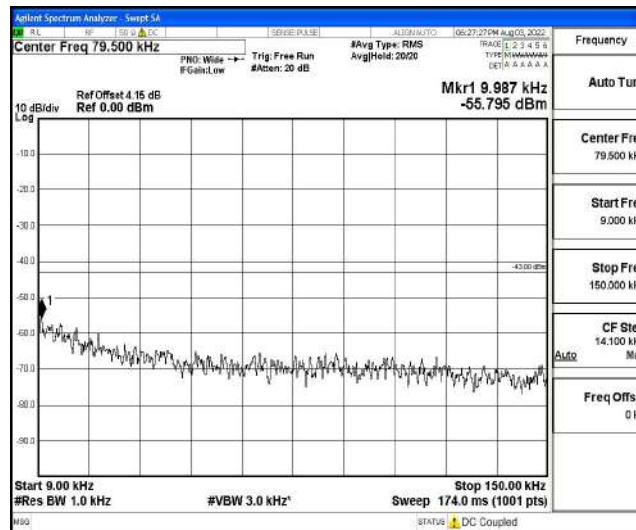


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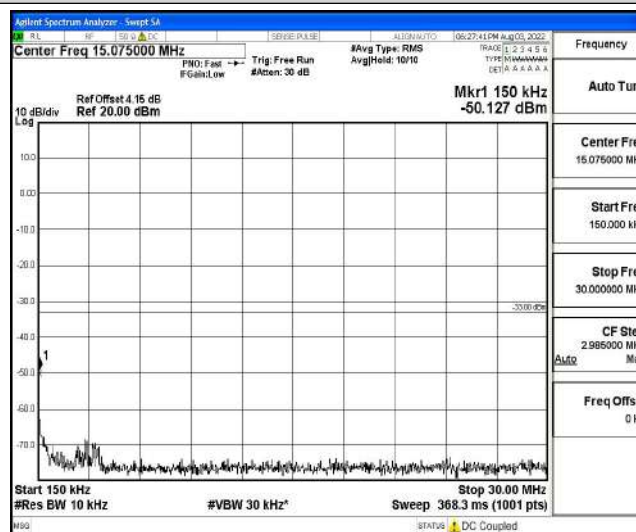




Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz

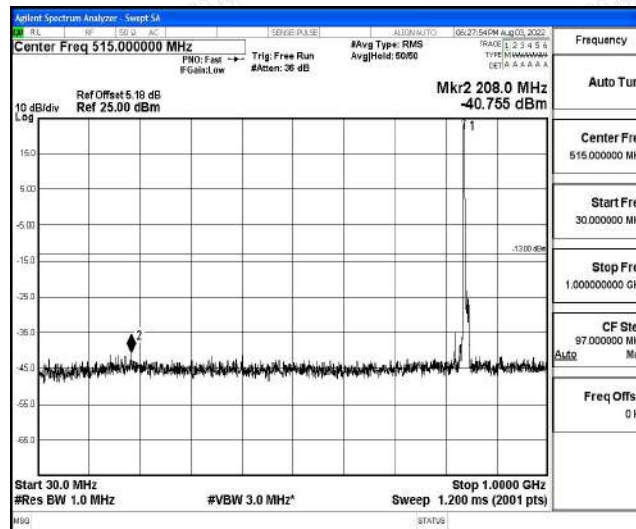


Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz

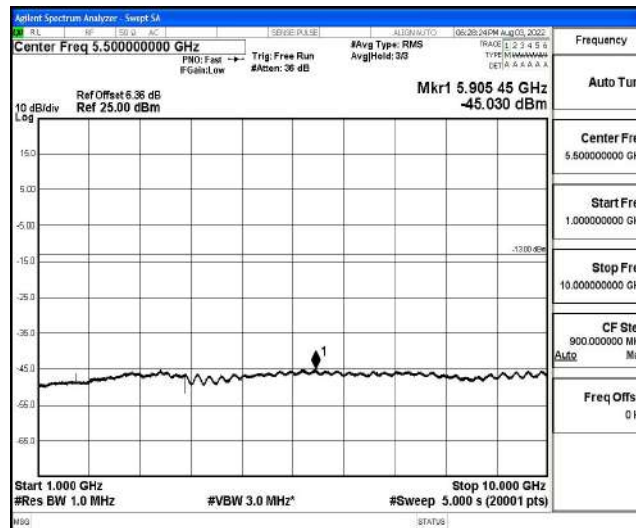


Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz

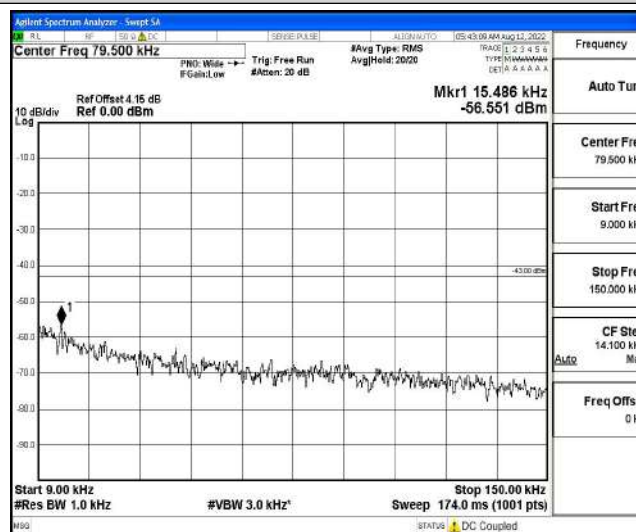




Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz

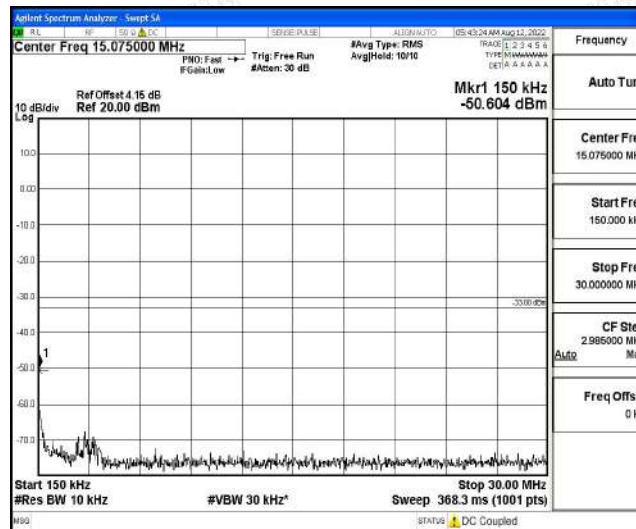


Band5-10MHz-16QAM-20450-1RB#0-Range1:0.009~0.15MHz

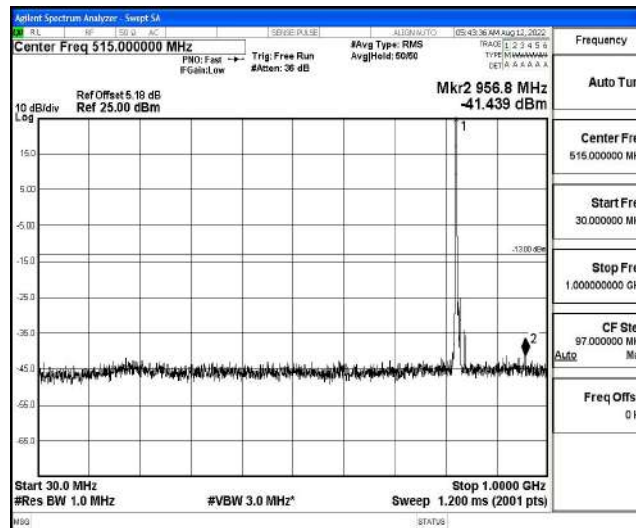


Band5-10MHz-16QAM-20450-1RB#0-Range2:0.15~30MHz

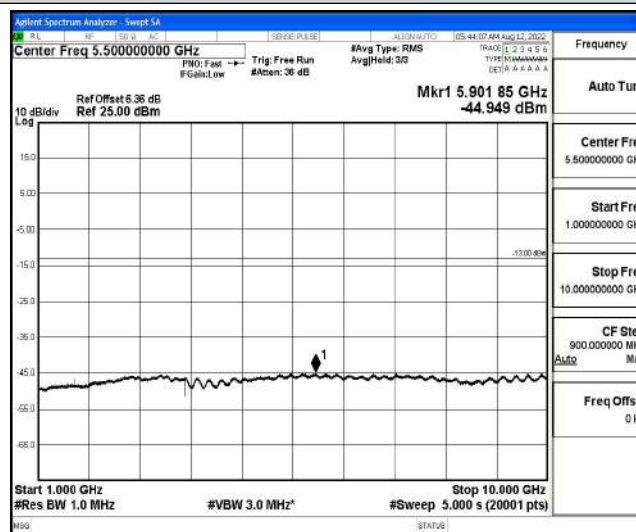




Band5-10MHz-16QAM-20450-1RB#0-Range3:30~1000MHz

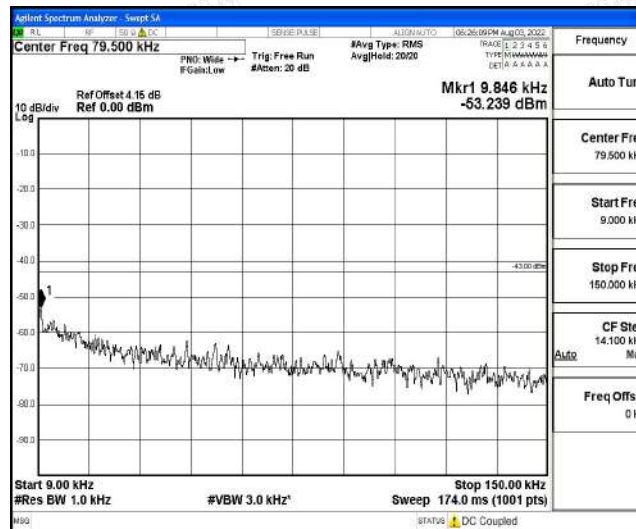


Band5-10MHz-16QAM-20450-1RB#0-Range4:1000~10000MHz

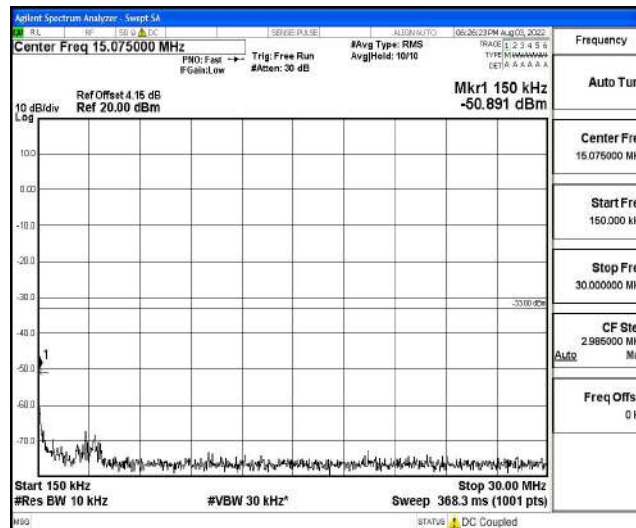


Band5-10MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz

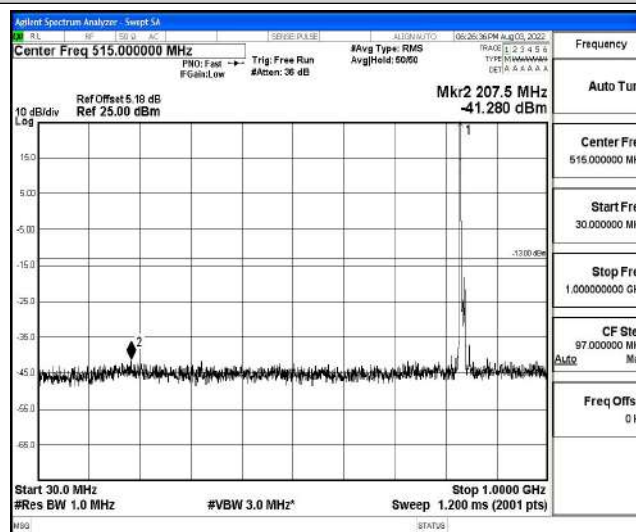




Band5-10MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz

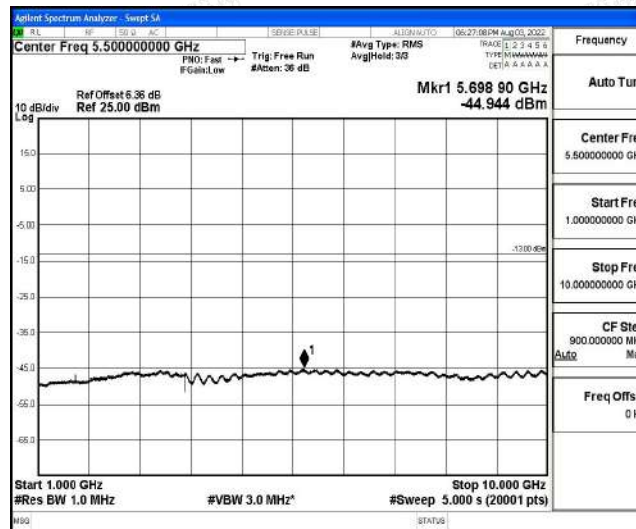


Band5-10MHz-16QAM-20525-1RB#0-Range3:30~1000MHz

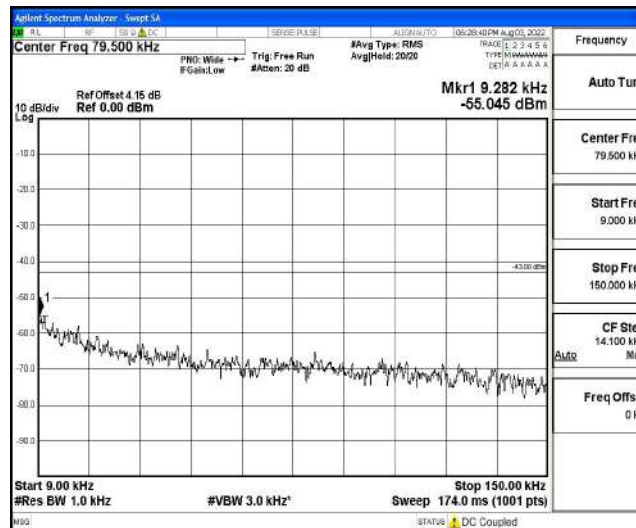


Band5-10MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz

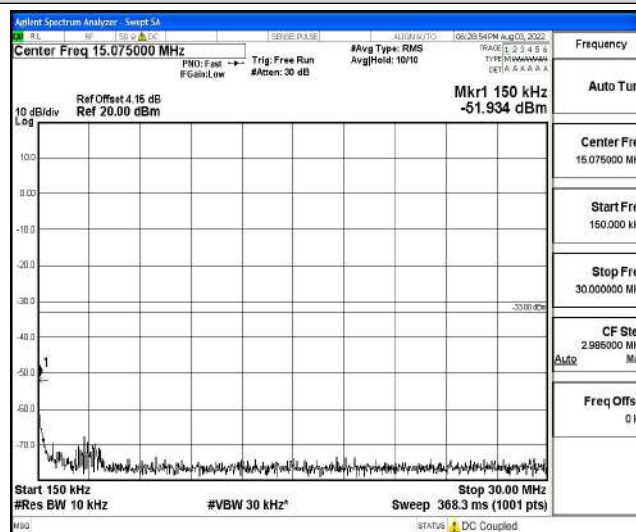




Band5-10MHz-16QAM-20600-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:0.15~30MHz



Band5-10MHz-16QAM-20600-1RB#0-Range3:30~1000MHz

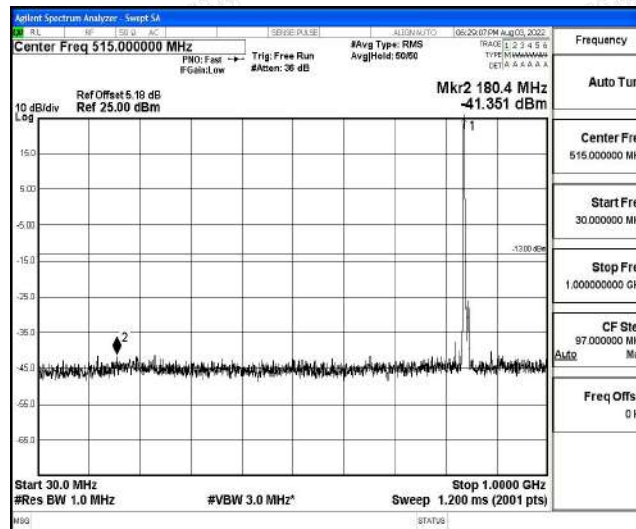


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Band5-10MHz-16QAM-20600-1RB#0-Range4:1000~10000MHz

