

Annex for FCC LTE Band 5

Test Report No. :CTL2203279012-WF08

Appendix A RF Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	25.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	25.39	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	25.24	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	25.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	25.31	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	25.30	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	24.36	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	25.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	25.42	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	25.25	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	25.33	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	25.32	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	25.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	24.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	25.24	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	25.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	25.24	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	25.24	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	25.18	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	25.20	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	24.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	24.17	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	24.35	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	24.10	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	24.10	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	24.09	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	24.05	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	23.34	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	24.13	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	24.22	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	24.10	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	24.08	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	24.09	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	24.06	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	23.35	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.97	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	24.18	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.99	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.94	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.92	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.93	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	23.26	PASS
Band5	3MHz	QPSK	20415	1RB#0	25.27	PASS
Band5	3MHz	QPSK	20415	1RB#8	25.31	PASS
Band5	3MHz	QPSK	20415	1RB#14	25.42	PASS
Band5	3MHz	QPSK	20415	8RB#0	24.26	PASS
Band5	3MHz	QPSK	20415	8RB#4	24.32	PASS
Band5	3MHz	QPSK	20415	8RB#7	24.26	PASS
Band5	3MHz	QPSK	20415	15RB#0	24.29	PASS
Band5	3MHz	QPSK	20525	1RB#0	25.36	PASS
Band5	3MHz	QPSK	20525	1RB#8	25.34	PASS
Band5	3MHz	QPSK	20525	1RB#14	25.35	PASS
Band5	3MHz	QPSK	20525	8RB#0	24.31	PASS
Band5	3MHz	QPSK	20525	8RB#4	24.32	PASS
Band5	3MHz	QPSK	20525	8RB#7	24.26	PASS
Band5	3MHz	QPSK	20525	15RB#0	24.26	PASS
Band5	3MHz	QPSK	20635	1RB#0	25.21	PASS
Band5	3MHz	QPSK	20635	1RB#8	25.34	PASS
Band5	3MHz	QPSK	20635	1RB#14	25.35	PASS
Band5	3MHz	QPSK	20635	8RB#0	24.17	PASS
Band5	3MHz	QPSK	20635	8RB#4	24.21	PASS
Band5	3MHz	QPSK	20635	8RB#7	24.20	PASS
Band5	3MHz	QPSK	20635	15RB#0	24.20	PASS
Band5	3MHz	16QAM	20415	1RB#0	24.16	PASS
Band5	3MHz	16QAM	20415	1RB#8	24.07	PASS
Band5	3MHz	16QAM	20415	1RB#14	24.10	PASS
Band5	3MHz	16QAM	20415	8RB#0	23.29	PASS
Band5	3MHz	16QAM	20415	8RB#4	23.32	PASS
Band5	3MHz	16QAM	20415	8RB#7	23.32	PASS
Band5	3MHz	16QAM	20415	15RB#0	23.24	PASS
Band5	3MHz	16QAM	20525	1RB#0	24.10	PASS
Band5	3MHz	16QAM	20525	1RB#8	24.06	PASS
Band5	3MHz	16QAM	20525	1RB#14	24.32	PASS
Band5	3MHz	16QAM	20525	8RB#0	23.35	PASS
Band5	3MHz	16QAM	20525	8RB#4	23.33	PASS
Band5	3MHz	16QAM	20525	8RB#7	23.30	PASS
Band5	3MHz	16QAM	20525	15RB#0	23.24	PASS
Band5	3MHz	16QAM	20635	1RB#0	24.15	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.96	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.98	PASS
Band5	3MHz	16QAM	20635	8RB#0	23.22	PASS
Band5	3MHz	16QAM	20635	8RB#4	23.20	PASS

Band5	3MHz	16QAM	20635	8RB#7	23.19	PASS
Band5	3MHz	16QAM	20635	15RB#0	23.22	PASS
Band5	5MHz	QPSK	20425	1RB#0	25.27	PASS
Band5	5MHz	QPSK	20425	1RB#12	25.40	PASS
Band5	5MHz	QPSK	20425	1RB#24	25.31	PASS
Band5	5MHz	QPSK	20425	12RB#0	24.27	PASS
Band5	5MHz	QPSK	20425	12RB#6	24.31	PASS
Band5	5MHz	QPSK	20425	12RB#13	24.30	PASS
Band5	5MHz	QPSK	20425	25RB#0	24.28	PASS
Band5	5MHz	QPSK	20525	1RB#0	25.34	PASS
Band5	5MHz	QPSK	20525	1RB#12	25.38	PASS
Band5	5MHz	QPSK	20525	1RB#24	25.27	PASS
Band5	5MHz	QPSK	20525	12RB#0	24.30	PASS
Band5	5MHz	QPSK	20525	12RB#6	24.32	PASS
Band5	5MHz	QPSK	20525	12RB#13	24.19	PASS
Band5	5MHz	QPSK	20525	25RB#0	24.27	PASS
Band5	5MHz	QPSK	20625	1RB#0	25.25	PASS
Band5	5MHz	QPSK	20625	1RB#12	25.34	PASS
Band5	5MHz	QPSK	20625	1RB#24	25.25	PASS
Band5	5MHz	QPSK	20625	12RB#0	24.09	PASS
Band5	5MHz	QPSK	20625	12RB#6	24.12	PASS
Band5	5MHz	QPSK	20625	12RB#13	24.15	PASS
Band5	5MHz	QPSK	20625	25RB#0	24.14	PASS
Band5	5MHz	16QAM	20425	1RB#0	24.17	PASS
Band5	5MHz	16QAM	20425	1RB#12	24.27	PASS
Band5	5MHz	16QAM	20425	1RB#24	24.15	PASS
Band5	5MHz	16QAM	20425	12RB#0	23.24	PASS
Band5	5MHz	16QAM	20425	12RB#6	23.31	PASS
Band5	5MHz	16QAM	20425	12RB#13	23.29	PASS
Band5	5MHz	16QAM	20425	25RB#0	23.33	PASS
Band5	5MHz	16QAM	20525	1RB#0	24.25	PASS
Band5	5MHz	16QAM	20525	1RB#12	24.33	PASS
Band5	5MHz	16QAM	20525	1RB#24	24.26	PASS
Band5	5MHz	16QAM	20525	12RB#0	23.33	PASS
Band5	5MHz	16QAM	20525	12RB#6	23.32	PASS
Band5	5MHz	16QAM	20525	12RB#13	23.22	PASS
Band5	5MHz	16QAM	20525	25RB#0	23.27	PASS
Band5	5MHz	16QAM	20625	1RB#0	24.10	PASS
Band5	5MHz	16QAM	20625	1RB#12	24.10	PASS
Band5	5MHz	16QAM	20625	1RB#24	24.06	PASS
Band5	5MHz	16QAM	20625	12RB#0	23.19	PASS
Band5	5MHz	16QAM	20625	12RB#6	23.09	PASS
Band5	5MHz	16QAM	20625	12RB#13	23.14	PASS
Band5	5MHz	16QAM	20625	25RB#0	23.22	PASS
Band5	10MHz	QPSK	20450	1RB#0	25.30	PASS
Band5	10MHz	QPSK	20450	1RB#24	25.40	PASS

Band5	10MHz	QPSK	20450	1RB#49	25.33	PASS
Band5	10MHz	QPSK	20450	25RB#0	24.23	PASS
Band5	10MHz	QPSK	20450	25RB#12	24.24	PASS
Band5	10MHz	QPSK	20450	25RB#25	24.42	PASS
Band5	10MHz	QPSK	20450	50RB#0	24.30	PASS
Band5	10MHz	QPSK	20525	1RB#0	25.30	PASS
Band5	10MHz	QPSK	20525	1RB#24	25.26	PASS
Band5	10MHz	QPSK	20525	1RB#49	25.18	PASS
Band5	10MHz	QPSK	20525	25RB#0	24.26	PASS
Band5	10MHz	QPSK	20525	25RB#12	24.24	PASS
Band5	10MHz	QPSK	20525	25RB#25	24.11	PASS
Band5	10MHz	QPSK	20525	50RB#0	24.16	PASS
Band5	10MHz	QPSK	20600	1RB#0	25.20	PASS
Band5	10MHz	QPSK	20600	1RB#24	25.27	PASS
Band5	10MHz	QPSK	20600	1RB#49	25.10	PASS
Band5	10MHz	QPSK	20600	25RB#0	24.29	PASS
Band5	10MHz	QPSK	20600	25RB#12	24.32	PASS
Band5	10MHz	QPSK	20600	25RB#25	24.22	PASS
Band5	10MHz	QPSK	20600	50RB#0	24.25	PASS
Band5	10MHz	16QAM	20450	1RB#0	24.08	PASS
Band5	10MHz	16QAM	20450	1RB#24	24.12	PASS
Band5	10MHz	16QAM	20450	1RB#49	24.03	PASS
Band5	10MHz	16QAM	20450	25RB#0	23.30	PASS
Band5	10MHz	16QAM	20450	25RB#12	23.33	PASS
Band5	10MHz	16QAM	20450	25RB#25	23.42	PASS
Band5	10MHz	16QAM	20450	50RB#0	23.38	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.98	PASS
Band5	10MHz	16QAM	20525	1RB#24	24.05	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.93	PASS
Band5	10MHz	16QAM	20525	25RB#0	23.22	PASS
Band5	10MHz	16QAM	20525	25RB#12	23.28	PASS
Band5	10MHz	16QAM	20525	25RB#25	23.18	PASS
Band5	10MHz	16QAM	20525	50RB#0	23.19	PASS
Band5	10MHz	16QAM	20600	1RB#0	24.19	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.16	PASS
Band5	10MHz	16QAM	20600	1RB#49	24.06	PASS
Band5	10MHz	16QAM	20600	25RB#0	23.34	PASS
Band5	10MHz	16QAM	20600	25RB#12	23.31	PASS
Band5	10MHz	16QAM	20600	25RB#25	23.27	PASS
Band5	10MHz	16QAM	20600	50RB#0	23.32	PASS

Appendix B Max Effective Radiated Power

Test Result

LTE Band 5								
Antenna Gain(dBi)		1.88						
ERP Limit(W)		7.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Output Power (dBm)	ERP (dBm)	ERP (W)	99% BW (KHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.42	25.15	0.32734	1096.3	1M10G7D
	16QAM			24.35	24.08	0.25586	1097.5	1M10W7D
3.0	QPSK	825.5	847.5	25.42	25.15	0.32734	2690.5	2M69G7D
	16QAM			24.32	24.05	0.25410	2683.9	2M68W7D
5.0	QPSK	826.5	846.5	25.40	25.13	0.32584	4504.1	4M50G7D
	16QAM			24.33	24.06	0.25468	4498.4	4M50W7D
10.0	QPSK	829	844	25.40	25.13	0.32584	9005.8	9M01G7D
	16QAM			24.19	23.92	0.24660	8996.3	9M00W7D

Note: ERP= Conducted Output Power + Antenna Gain-2.15

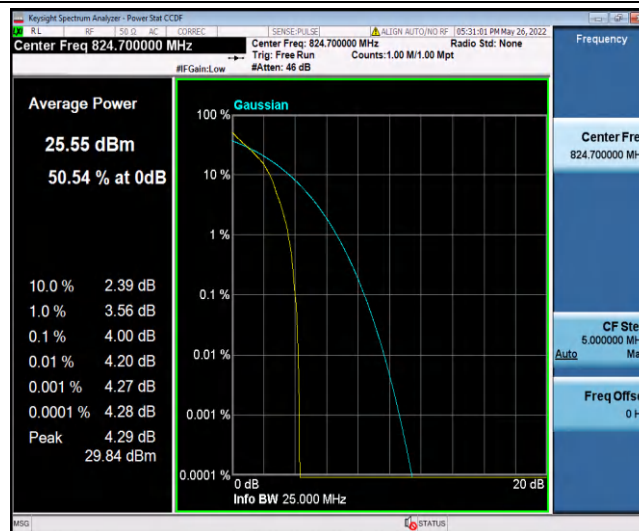
Appendix C : Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.00	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.73	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.72	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.56	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.29	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.10	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.14	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.62	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.69	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.47	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.42	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.95	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.00	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.72	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.41	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.68	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.23	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.20	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.01	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.62	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.37	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.48	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.29	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.04	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.16	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.62	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.24	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.71	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.75	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.34	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.93	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.44	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.10	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.52	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.57	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.15	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.96	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.31	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	2.88	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.62	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.31	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.67	13	PASS

Band5	10MHz	16QAM	20450	1RB#0	4.95	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.10	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	3.97	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.49	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.21	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.44	13	PASS

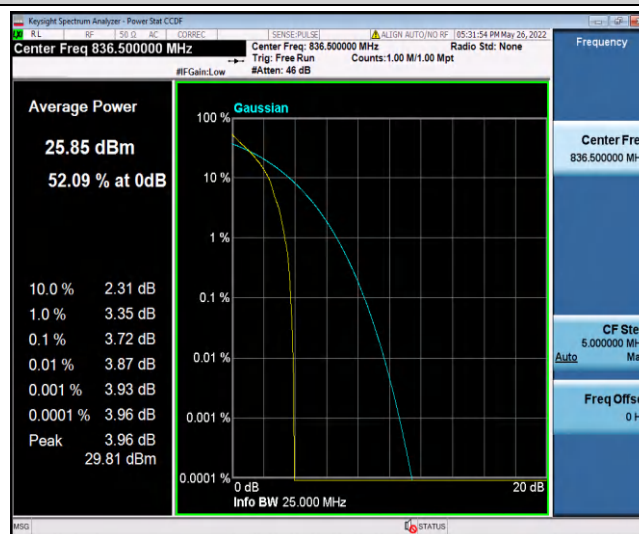
Test Graphs



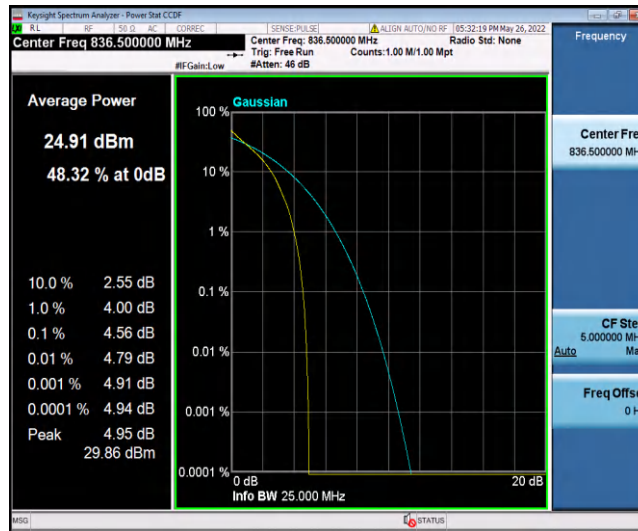
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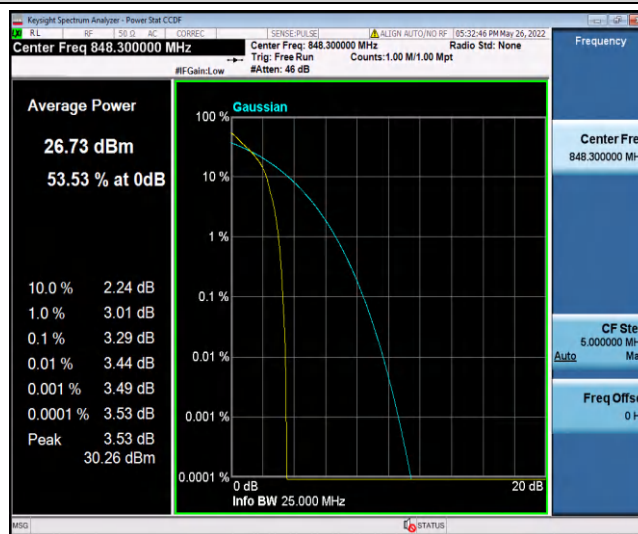
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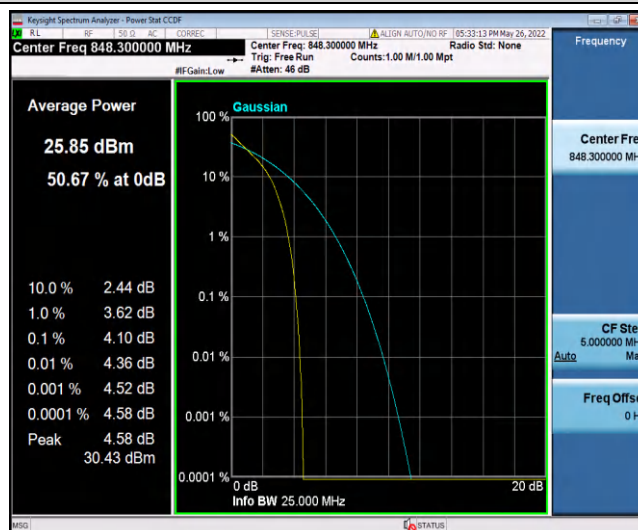
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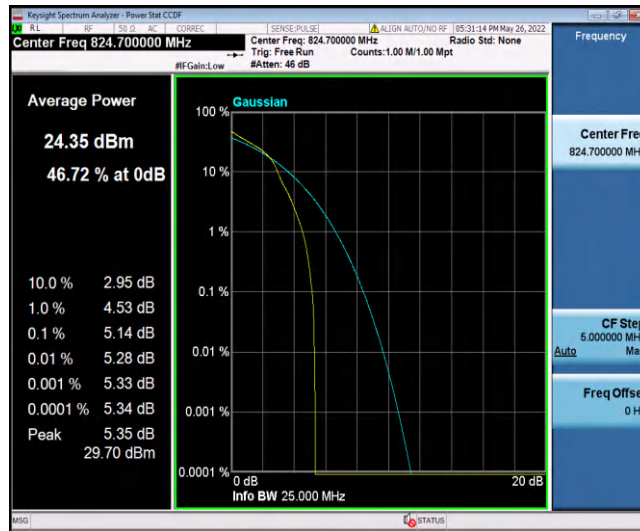
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Band5-1.4MHz-QPSK-20643-1RB#0



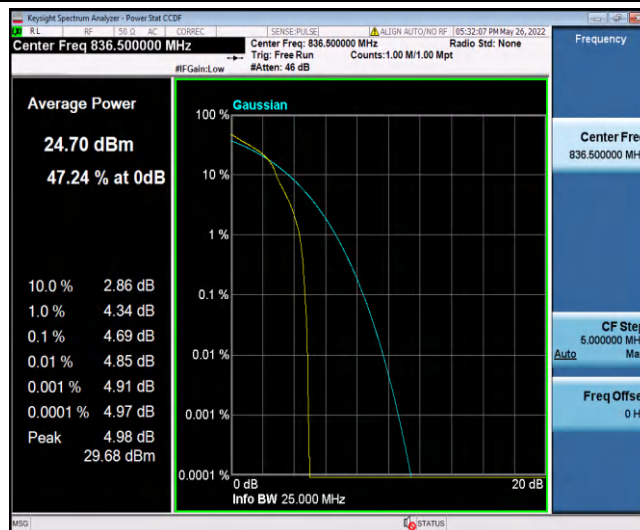
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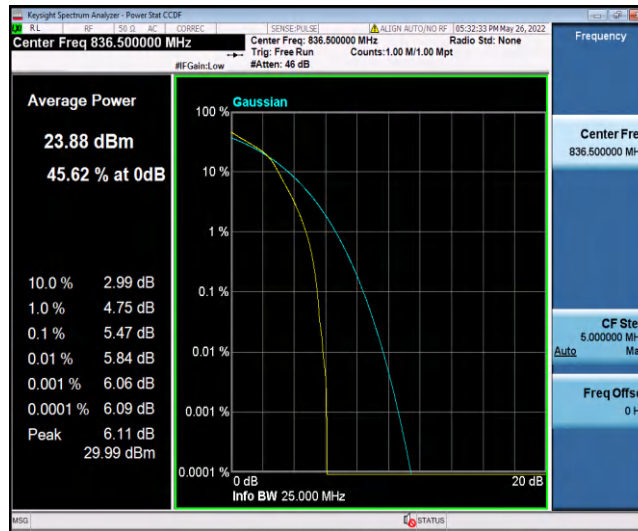
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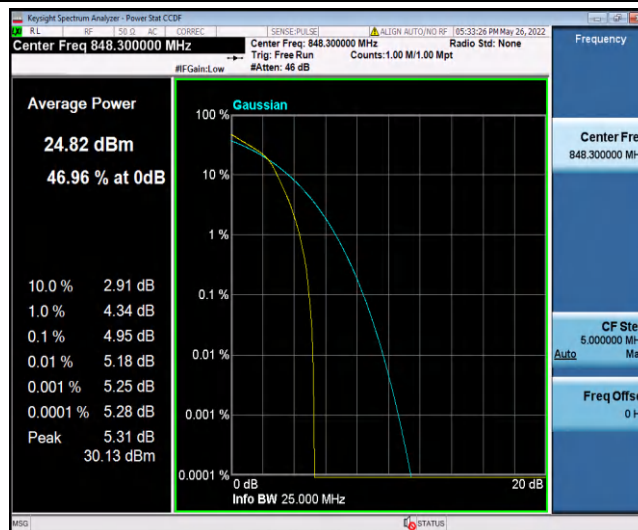
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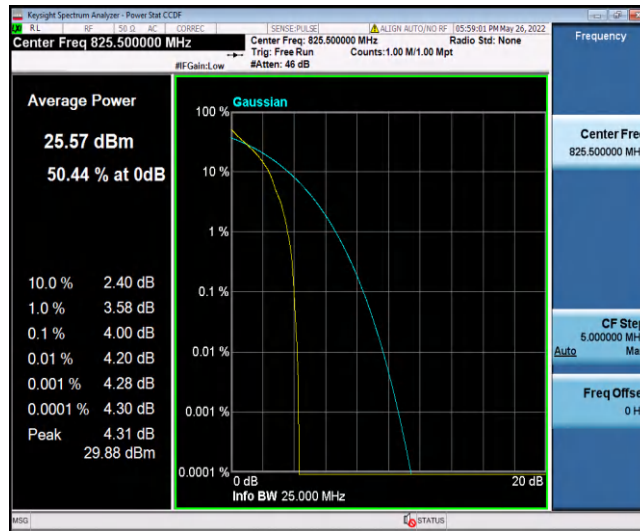
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Band5-1.4MHz-16QAM-20643-1RB#0



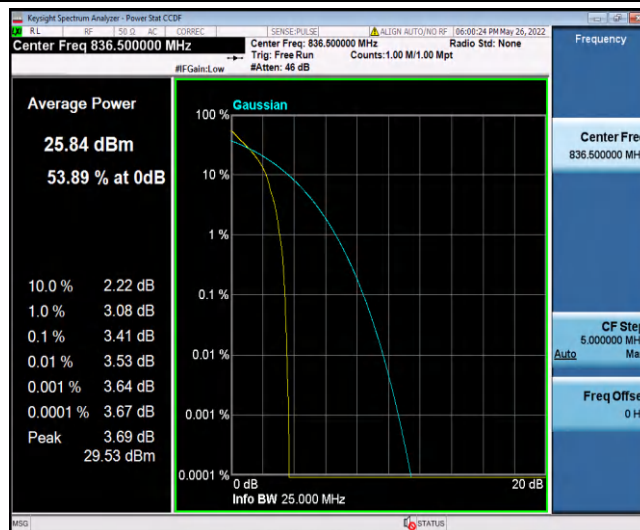
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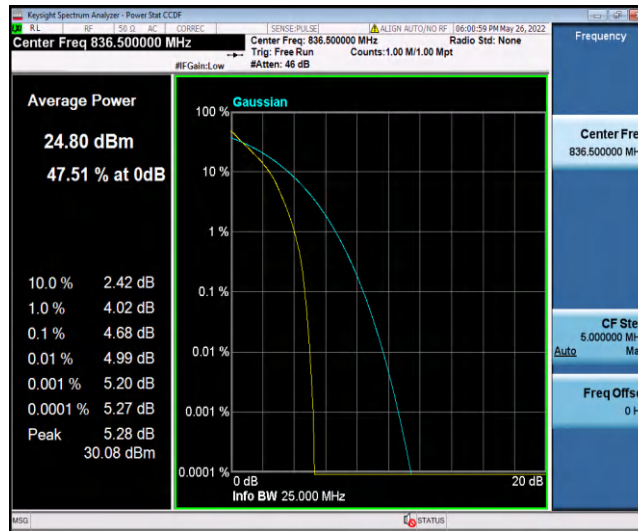
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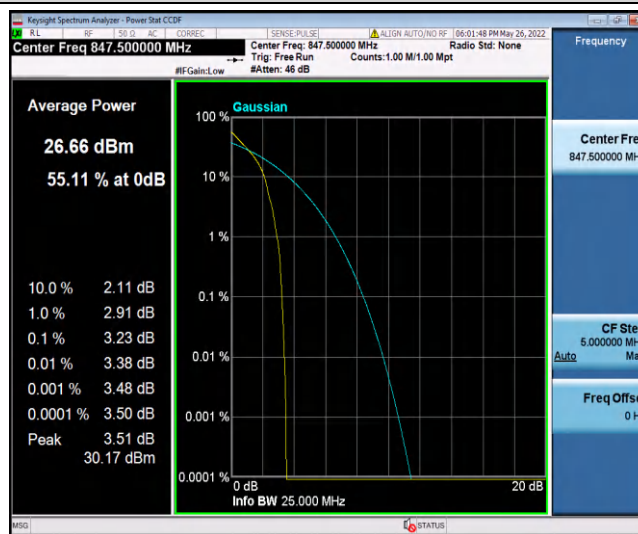
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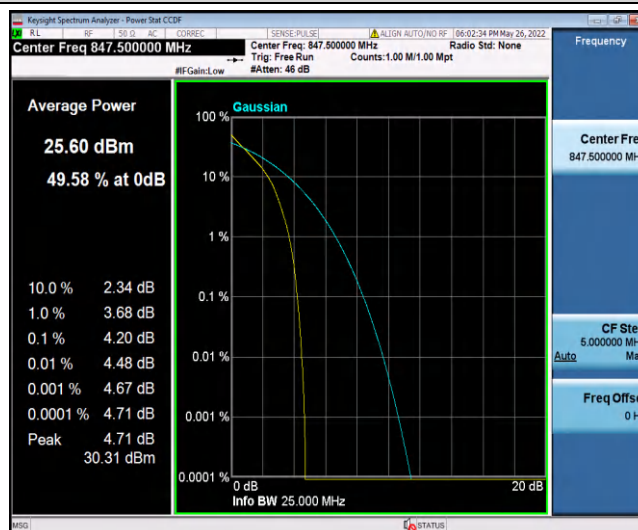
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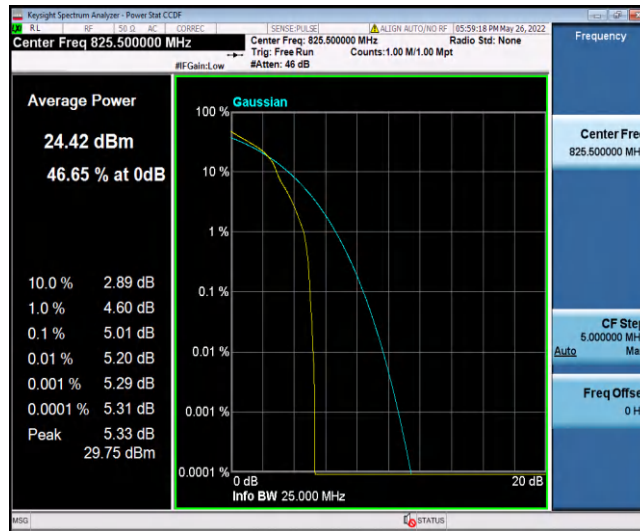
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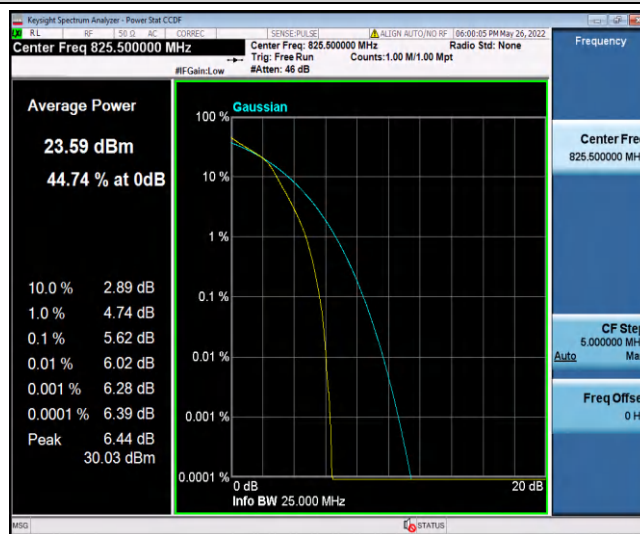
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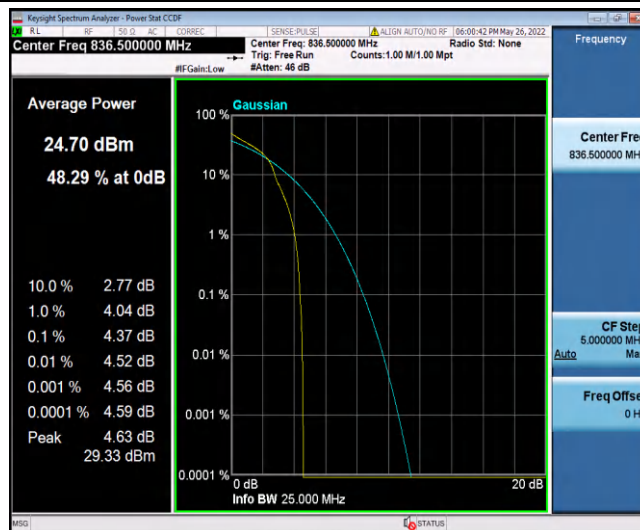
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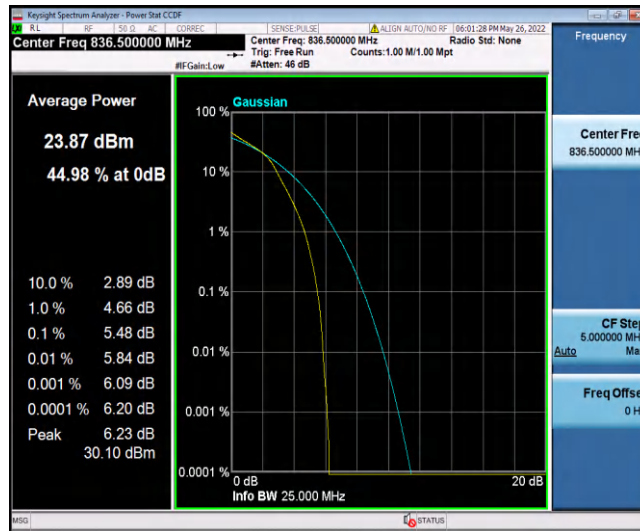
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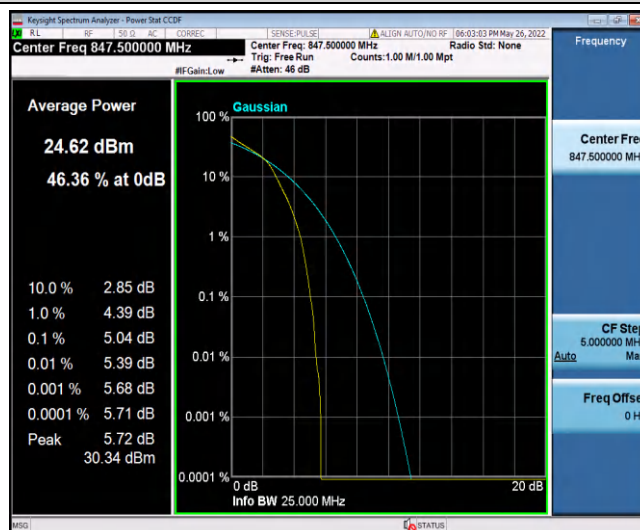
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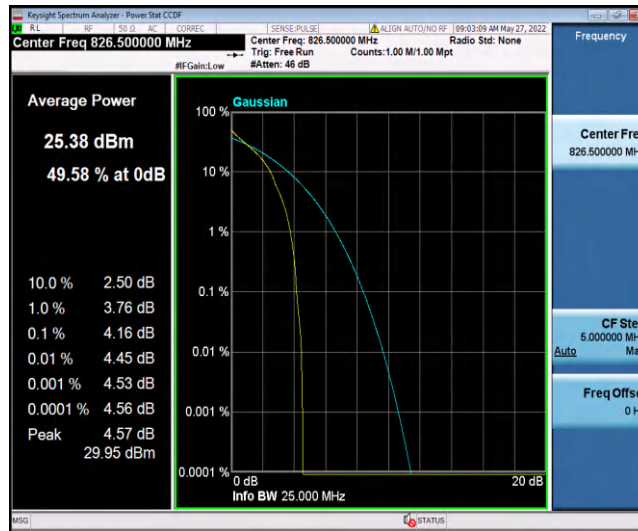
Band5-3MHz-16QAM-20525-15RB#0



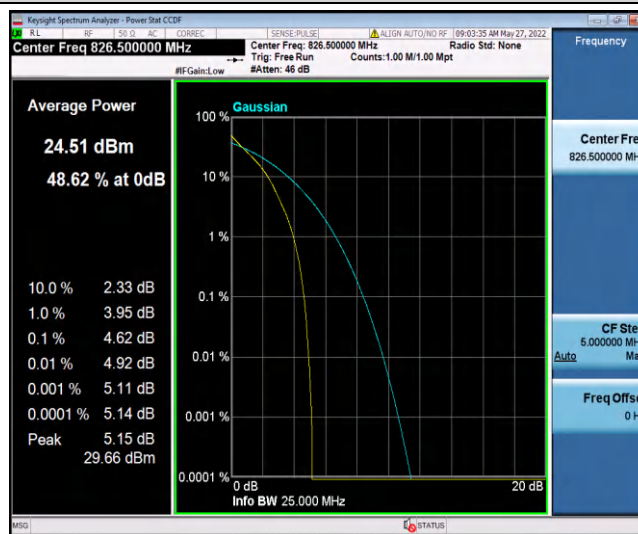
Band5-3MHz-16QAM-20635-1RB#0



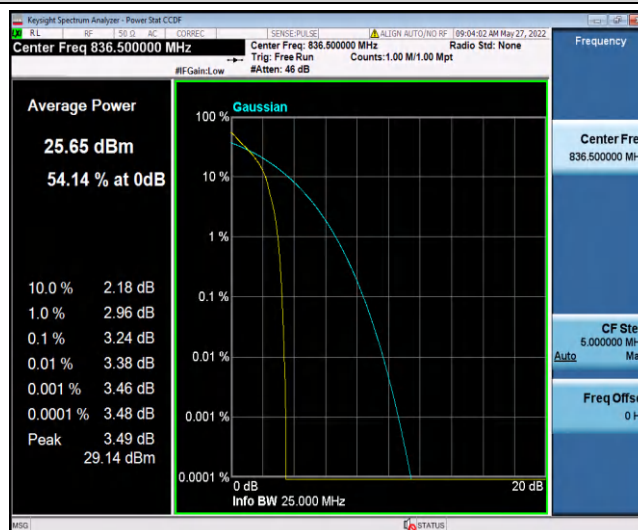
Band5-3MHz-16QAM-20635-15RB#0



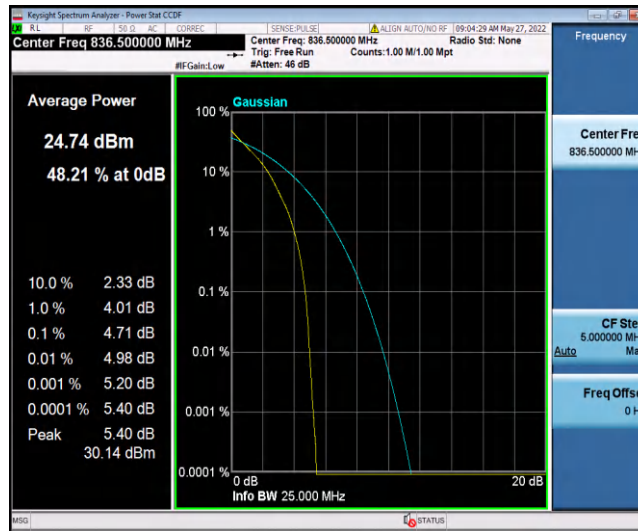
Band5-5MHz-QPSK-20425-1RB#0



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



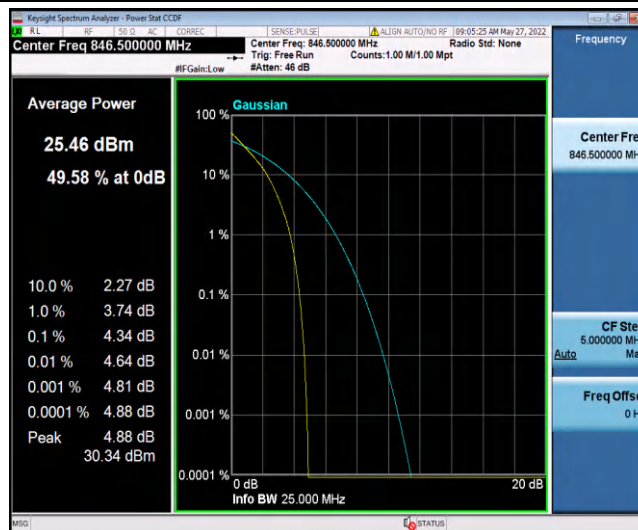
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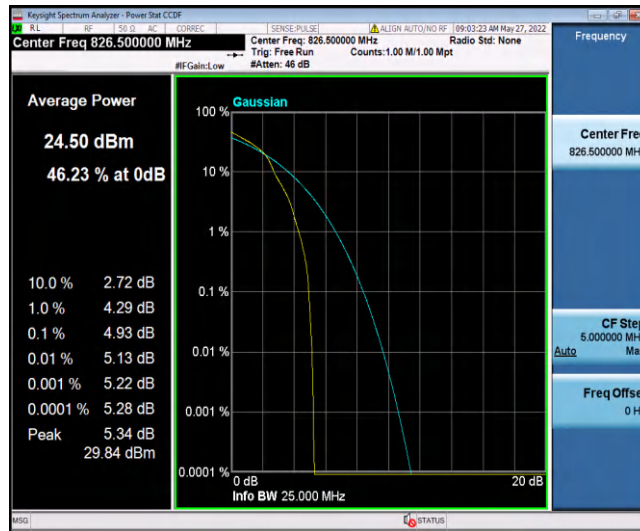
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Band5-5MHz-QPSK-20625-1RB#0



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



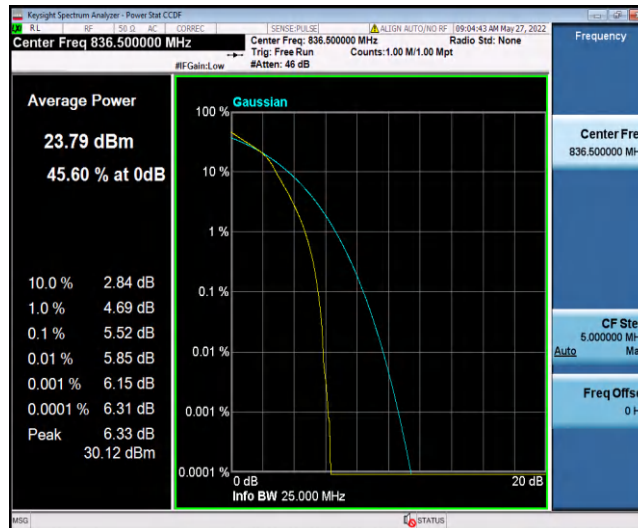
Band5-5MHz-16QAM-20425-1RB#0



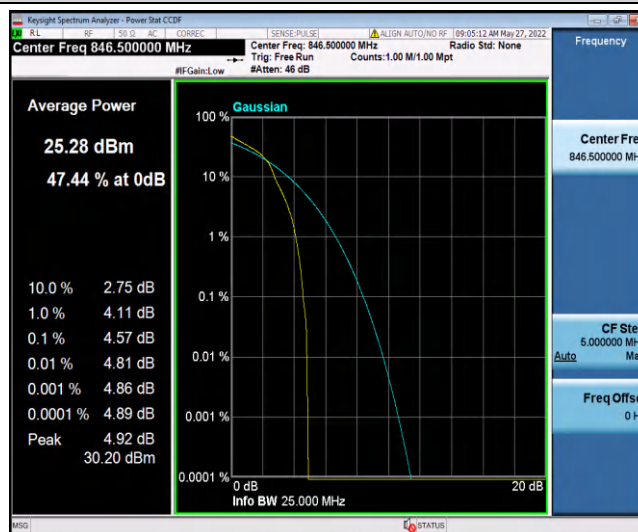
Band5-5MHz-16QAM-20425-25RB#0



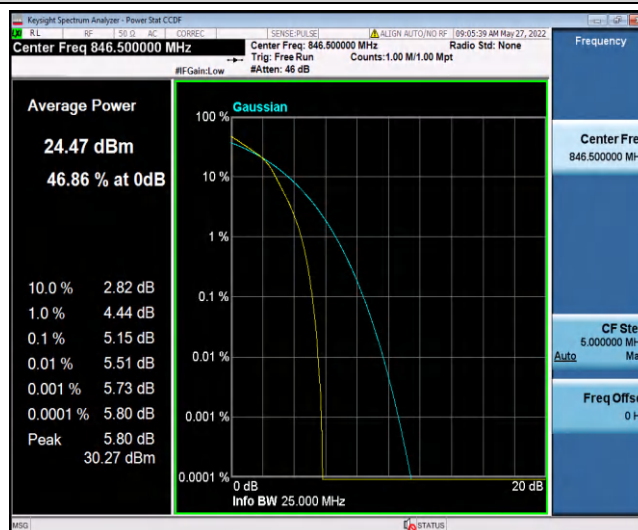
Band5-5MHz-16QAM-20525-1RB#0



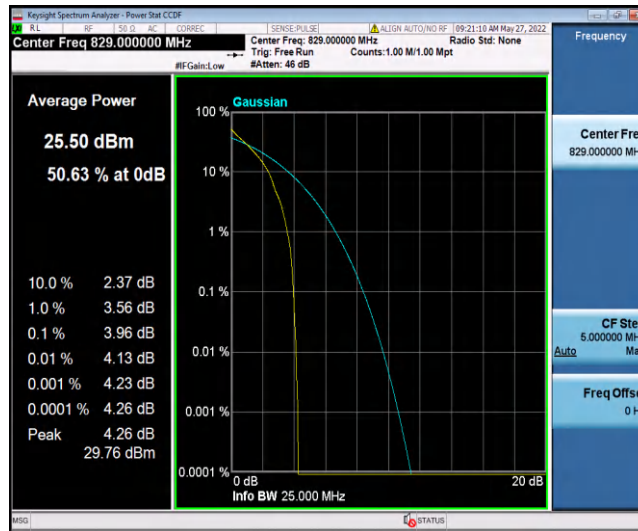
Band5-5MHz-16QAM-20525-25RB#0



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



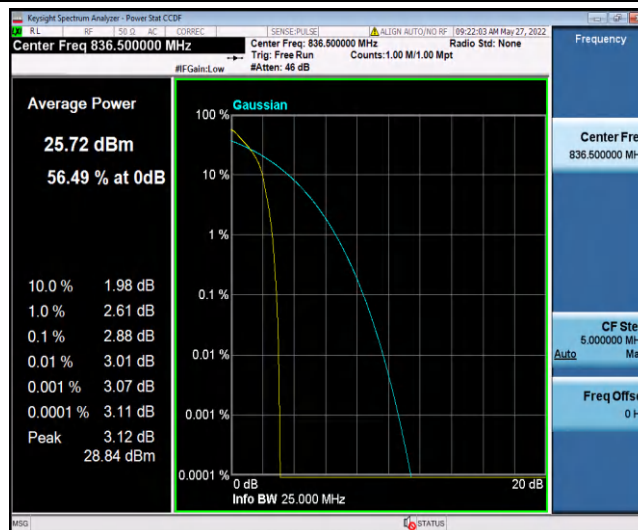
Band5-5MHz-16QAM-20625-25RB#0



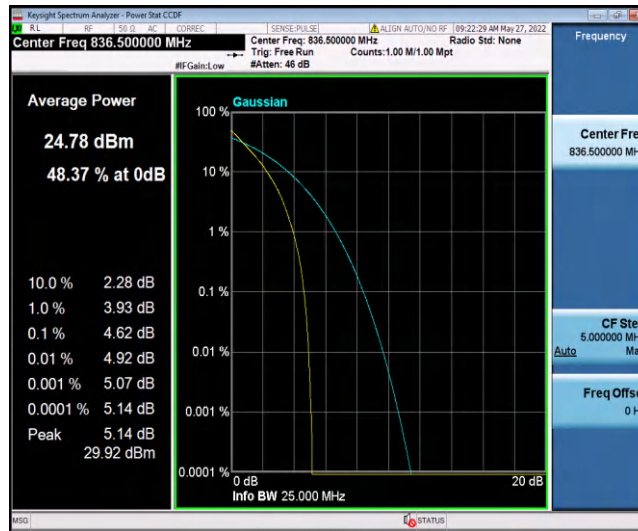
Band5-10MHz-QPSK-20450-1RB#0



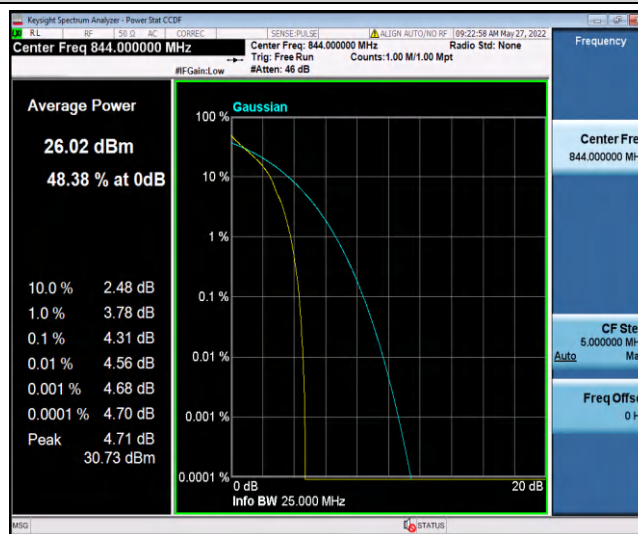
Band5-10MHz-QPSK-20450-50RB#0



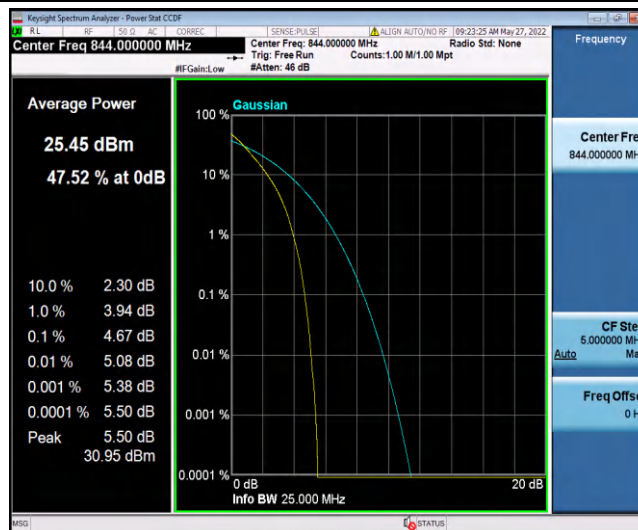
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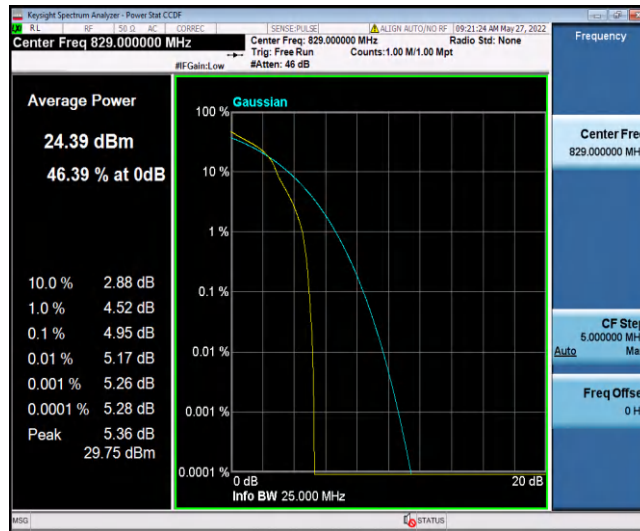
Band5-10MHz-QPSK-20525-50RB#0



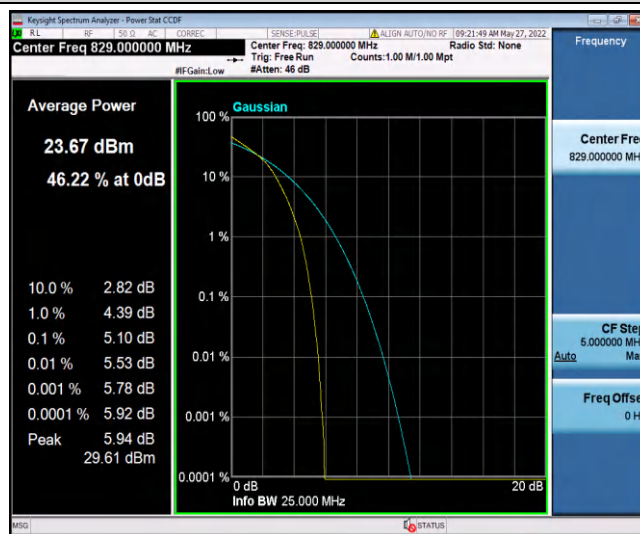
Band5-10MHz-QPSK-20600-1RB#0



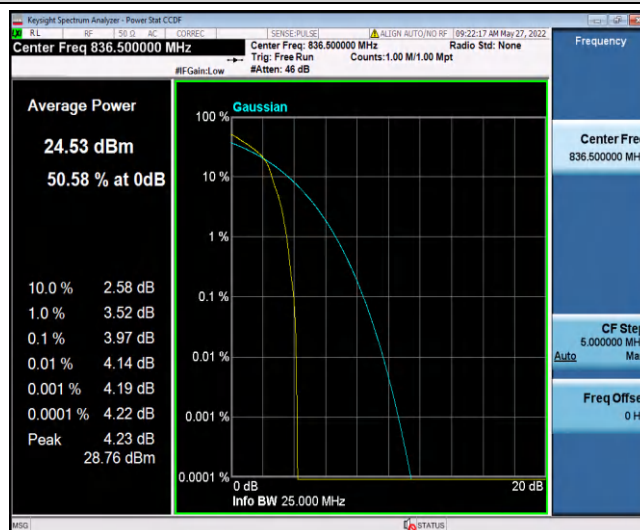
Band5-10MHz-QPSK-20600-50RB#0



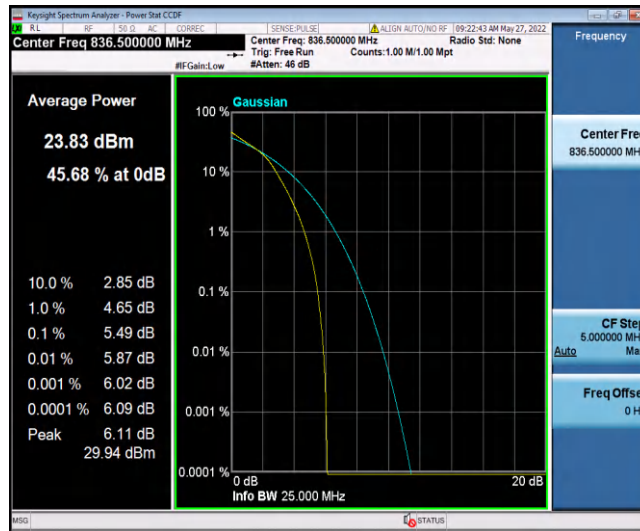
Band5-10MHz-16QAM-20450-1RB#0



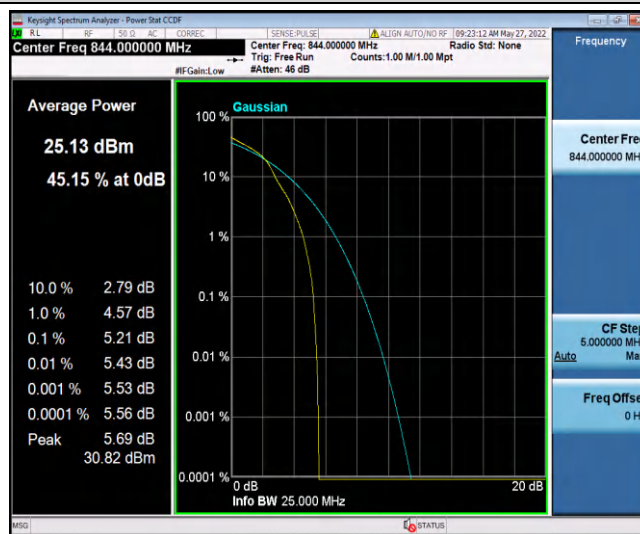
Band5-10MHz-16QAM-20450-50RB#0



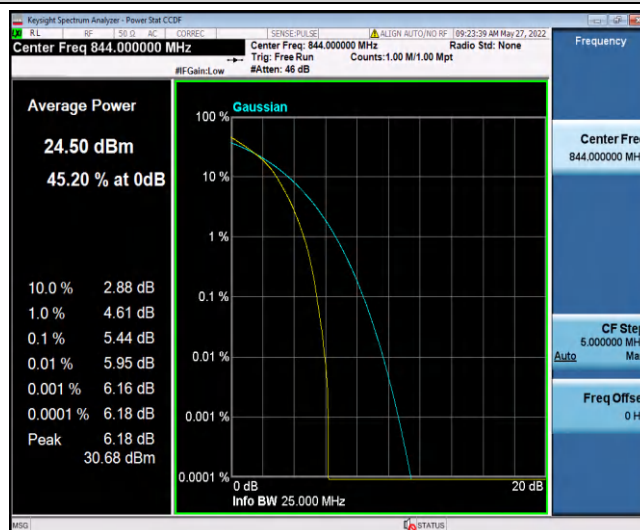
Band5-10MHz-16QAM-20525-1RB#0



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



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



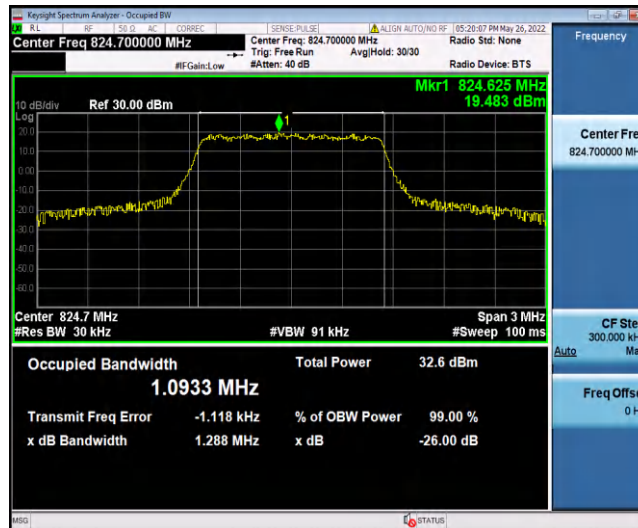
Band5-10MHz-16QAM-20600-50RB#0

Appendix D : 26dB Bandwidth and Occupied Bandwidth

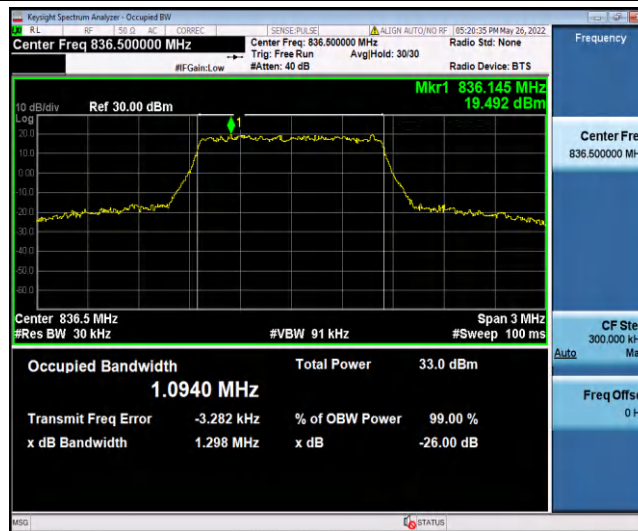
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0933	1.093	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0940	1.094	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0963	1.096	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0975	1.098	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0965	1.096	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0892	1.089	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6895	2.689	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6905	2.691	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6889	2.689	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6827	2.683	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6839	2.684	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6819	2.682	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5041	4.504	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4898	4.490	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4954	4.495	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4984	4.498	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4892	4.489	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4861	4.486	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0058	9.006	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9796	8.980	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9917	8.992	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9902	8.990	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9779	8.978	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9963	8.996	PASS

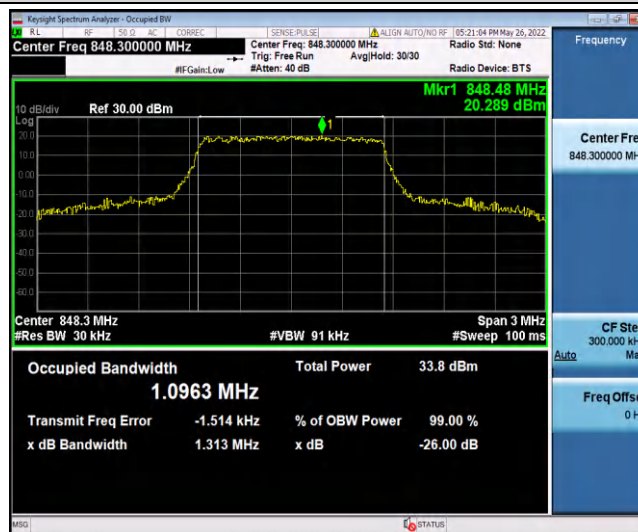
Test Graphs



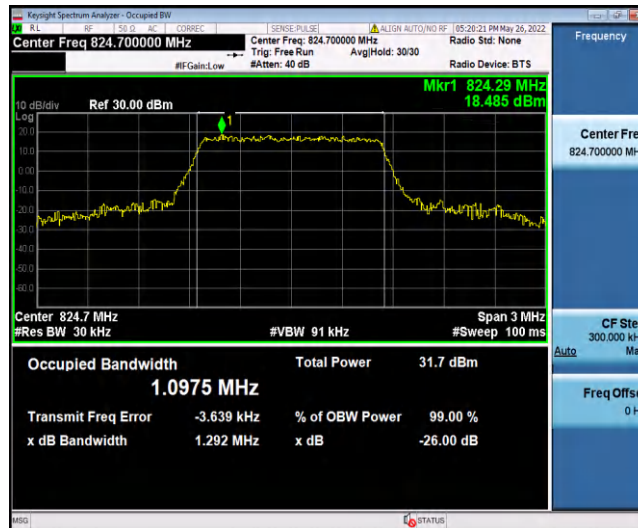
Band5-1.4MHz-QPSK-20407-6RB#0-1.0933



Band5-1.4MHz-QPSK-20525-6RB#0-1.0940



Band5-1.4MHz-QPSK-20643-6RB#0-1.0963



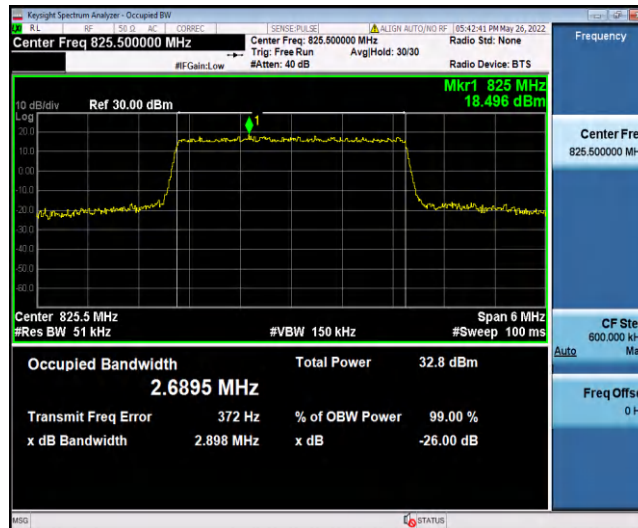
Band5-1.4MHz-16QAM-20407-6RB#0-1.0975



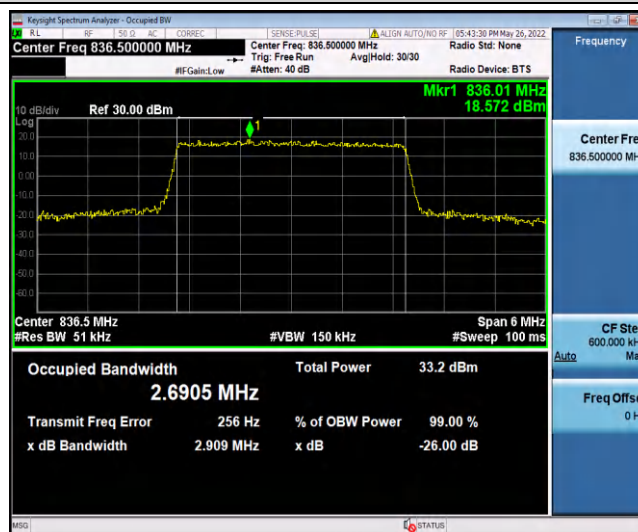
Band5-1.4MHz-16QAM-20525-6RB#0-1.0965



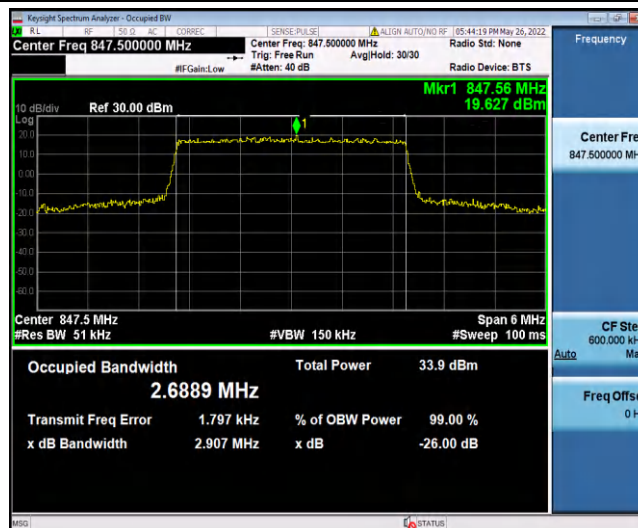
Band5-1.4MHz-16QAM-20643-6RB#0-1.0892



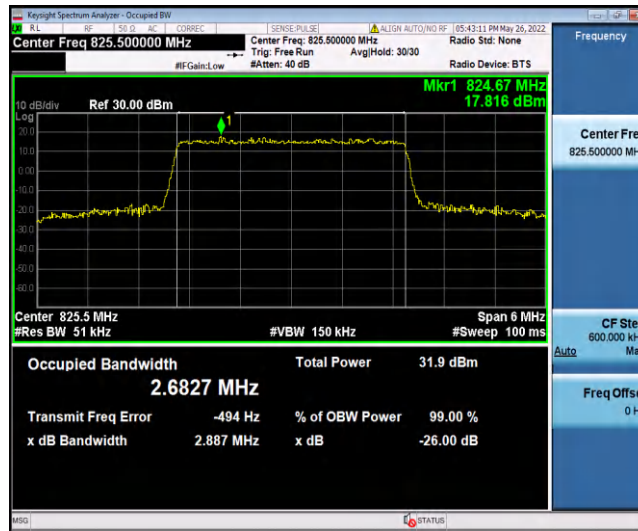
Band5-3MHz-QPSK-20415-15RB#0-2.6895



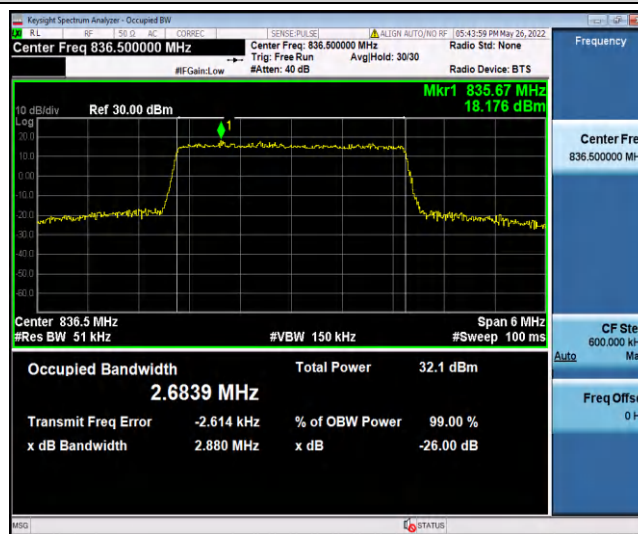
Band5-3MHz-QPSK-20525-15RB#0-2.6905



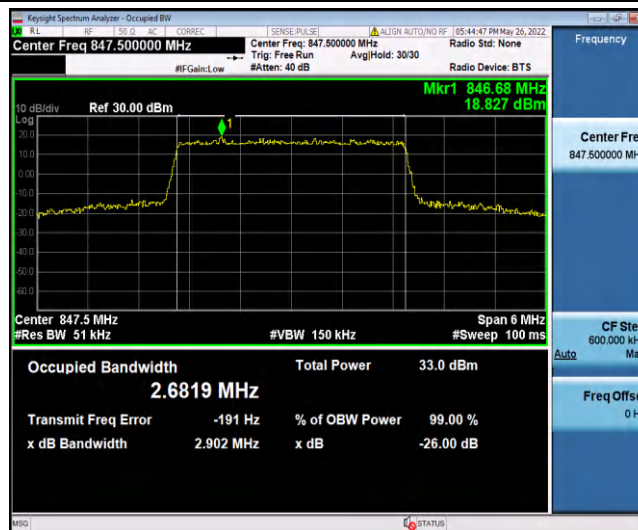
Band5-3MHz-QPSK-20635-15RB#0-2.6889



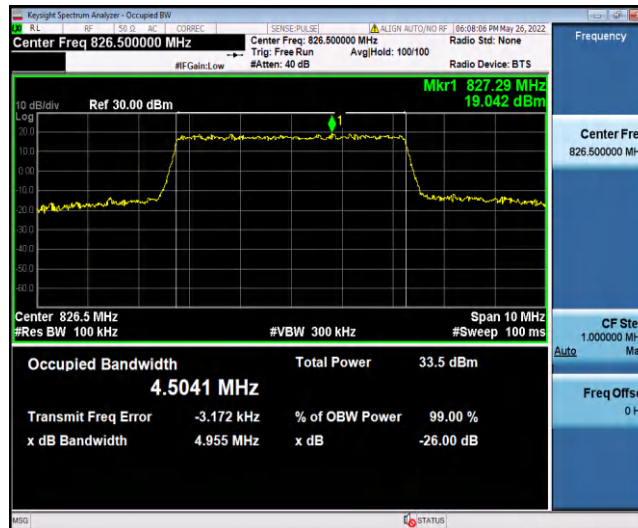
Band5-3MHz-16QAM-20415-15RB#0-2.6827



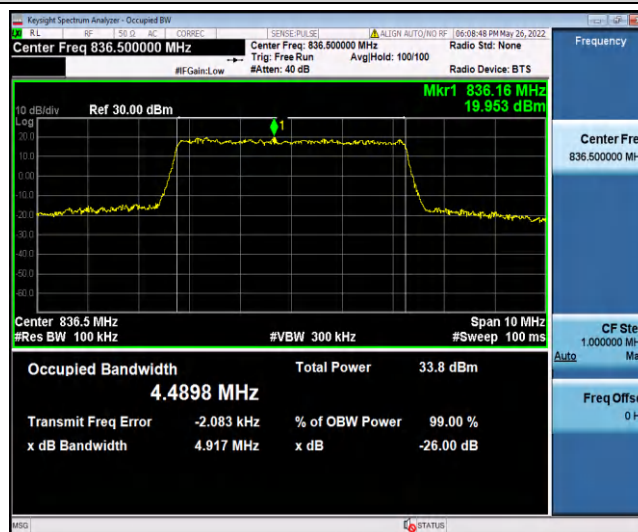
Band5-3MHz-16QAM-20525-15RB#0-2.6839



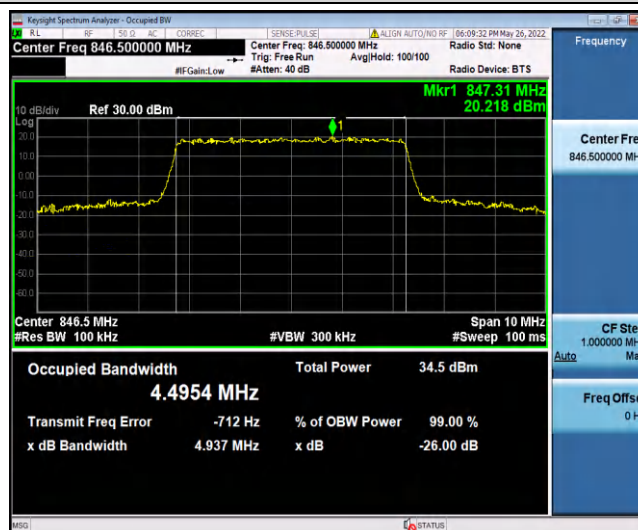
Band5-3MHz-16QAM-20635-15RB#0-2.6819



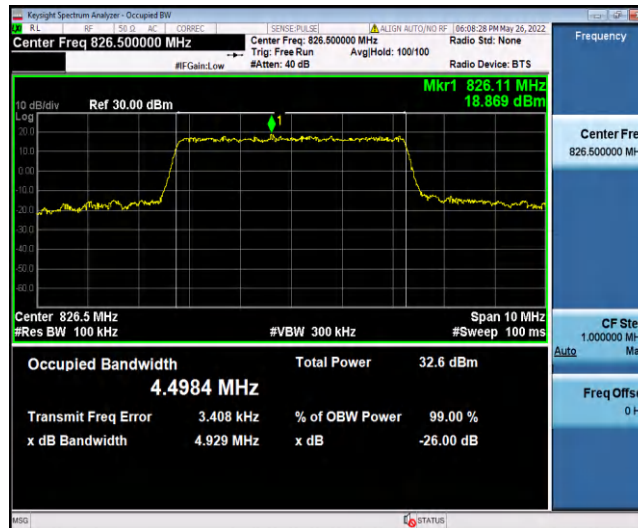
Band5-5MHz-QPSK-20425-25RB#0-4.5041



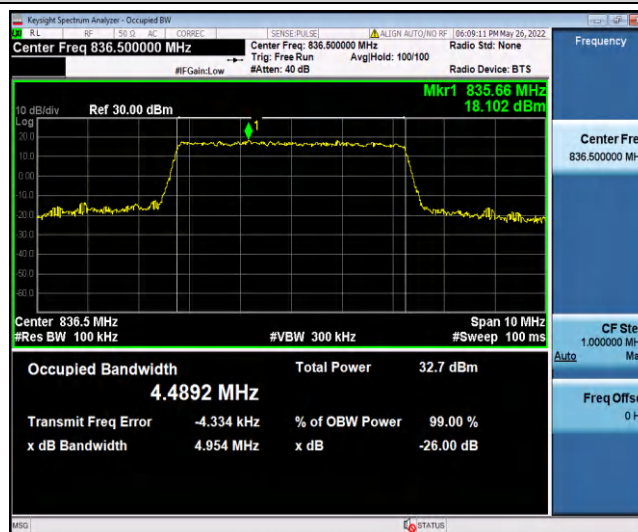
Band5-5MHz-QPSK-20525-25RB#0-4.4898



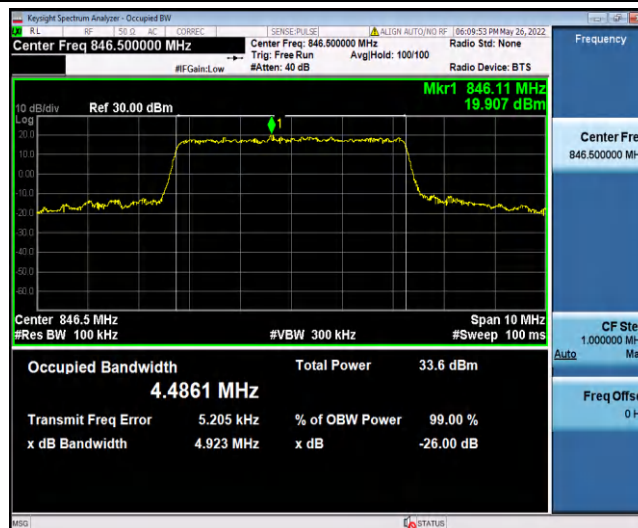
Band5-5MHz-QPSK-20625-25RB#0-4.4954



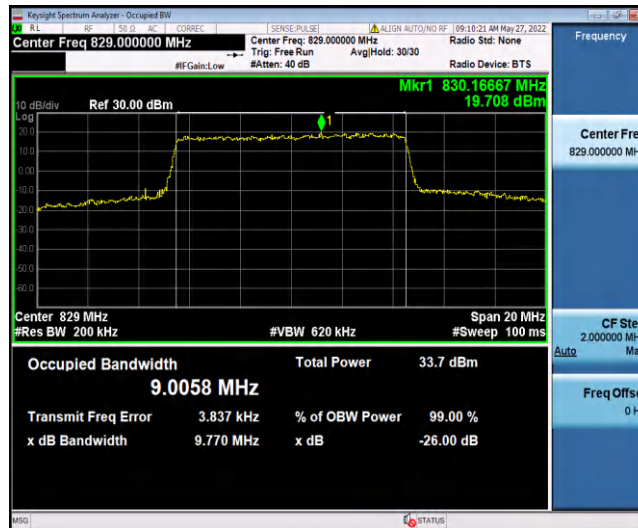
Band5-5MHz-16QAM-20425-25RB#0-4.4984



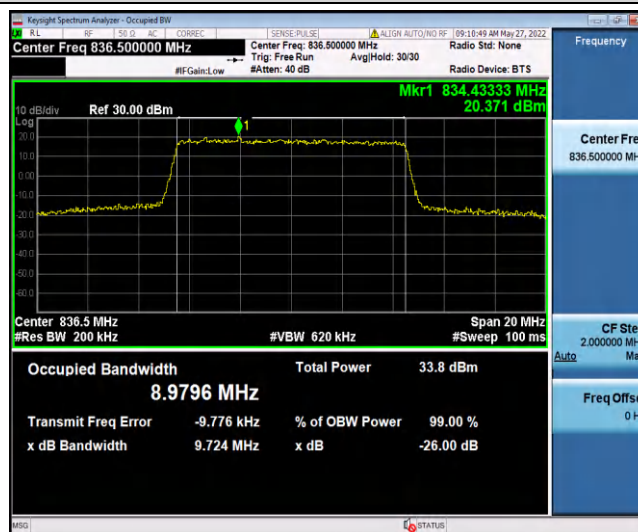
Band5-5MHz-16QAM-20525-25RB#0-4.4892



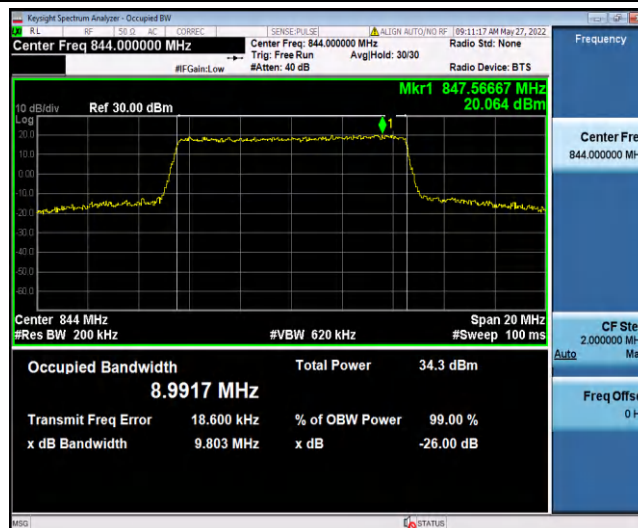
Band5-5MHz-16QAM-20625-25RB#0-4.4861



Band5-10MHz-QPSK-20450-50RB#0-9.0058



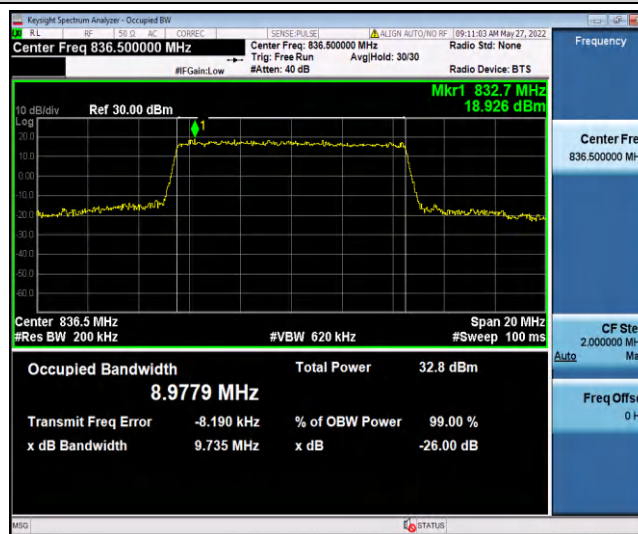
Band5-10MHz-QPSK-20525-50RB#0-8.9796



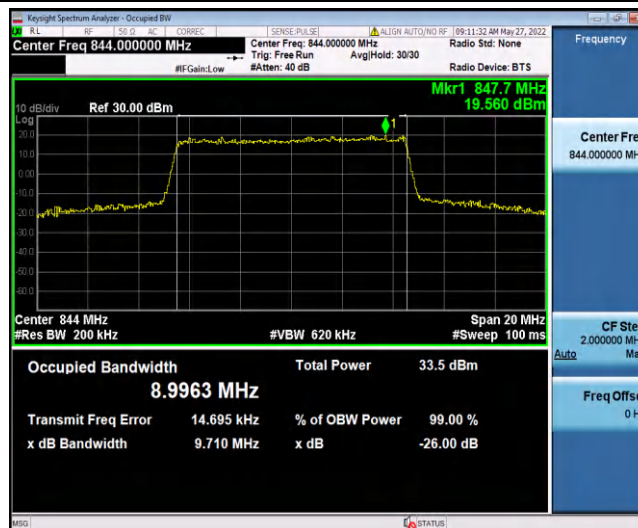
Band5-10MHz-QPSK-20600-50RB#0-8.9917



Band5-10MHz-16QAM-20450-50RB#0-8.9902



Band5-10MHz-16QAM-20525-50RB#0-8.9779



Band5-10MHz-16QAM-20600-50RB#0-8.9963

Appendix E : Band Edge

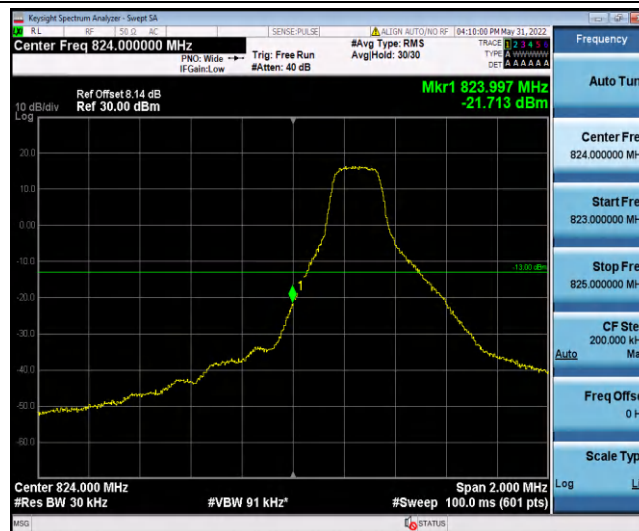
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-21.71	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-34.77	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-30.28	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-34.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-21.31	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-28.66	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-22.88	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-36.65	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.17	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-36.12	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-22.06	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.72	PASS
Band5	3MHz	QPSK	20415	1RB#0	-18.93	PASS
Band5	3MHz	QPSK	20415	1RB#14	-41.25	PASS
Band5	3MHz	QPSK	20415	15RB#0	-29.40	PASS
Band5	3MHz	QPSK	20635	1RB#0	-41.21	PASS
Band5	3MHz	QPSK	20635	1RB#14	-18.07	PASS
Band5	3MHz	QPSK	20635	15RB#0	-30.12	PASS
Band5	3MHz	16QAM	20415	1RB#0	-20.62	PASS
Band5	3MHz	16QAM	20415	1RB#14	-41.88	PASS
Band5	3MHz	16QAM	20415	15RB#0	-31.75	PASS
Band5	3MHz	16QAM	20635	1RB#0	-42.06	PASS
Band5	3MHz	16QAM	20635	1RB#14	-20.77	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.65	PASS
Band5	5MHz	QPSK	20425	1RB#0	-16.46	PASS
Band5	5MHz	QPSK	20425	1RB#24	-45.38	PASS
Band5	5MHz	QPSK	20425	25RB#0	-28.71	PASS
Band5	5MHz	QPSK	20625	1RB#0	-43.80	PASS
Band5	5MHz	QPSK	20625	1RB#24	-15.89	PASS
Band5	5MHz	QPSK	20625	25RB#0	-27.92	PASS
Band5	5MHz	16QAM	20425	1RB#0	-16.81	PASS
Band5	5MHz	16QAM	20425	1RB#24	-45.77	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.76	PASS
Band5	5MHz	16QAM	20625	1RB#0	-43.89	PASS
Band5	5MHz	16QAM	20625	1RB#24	-16.75	PASS
Band5	5MHz	16QAM	20625	25RB#0	-28.24	PASS
Band5	10MHz	QPSK	20450	1RB#0	-18.09	PASS
Band5	10MHz	QPSK	20450	1RB#49	-46.44	PASS
Band5	10MHz	QPSK	20450	50RB#0	-32.38	PASS
Band5	10MHz	QPSK	20600	1RB#0	-43.68	PASS
Band5	10MHz	QPSK	20600	1RB#49	-17.27	PASS
Band5	10MHz	QPSK	20600	50RB#0	-31.26	PASS

FCC ID:SMQSE120XPRO

Band5	10MHz	16QAM	20450	1RB#0	-19.20	PASS
Band5	10MHz	16QAM	20450	1RB#49	-46.53	PASS
Band5	10MHz	16QAM	20450	50RB#0	-33.19	PASS
Band5	10MHz	16QAM	20600	1RB#0	-44.44	PASS
Band5	10MHz	16QAM	20600	1RB#49	-18.63	PASS
Band5	10MHz	16QAM	20600	50RB#0	-30.66	PASS

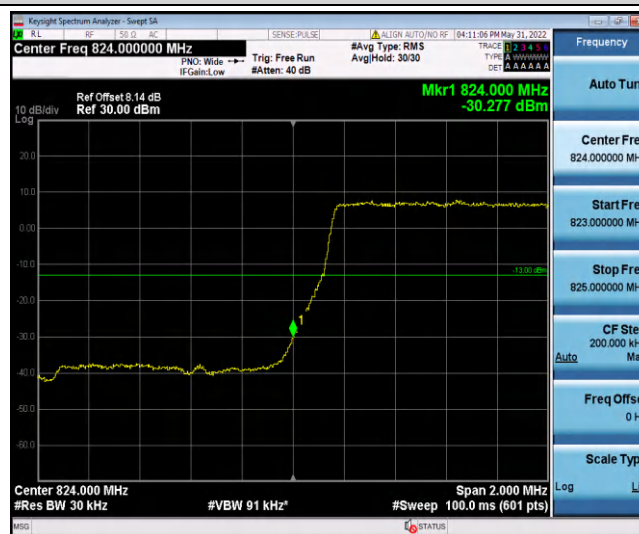
Test Graphs



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



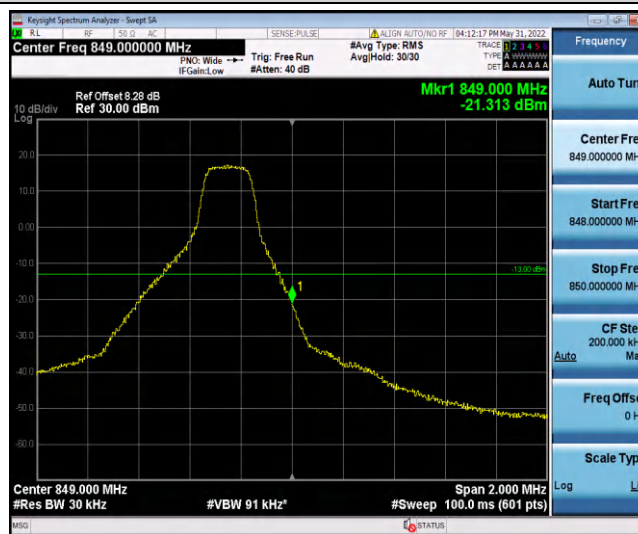
Band5-1.4MHz-QPSK-20407-1RB#5



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



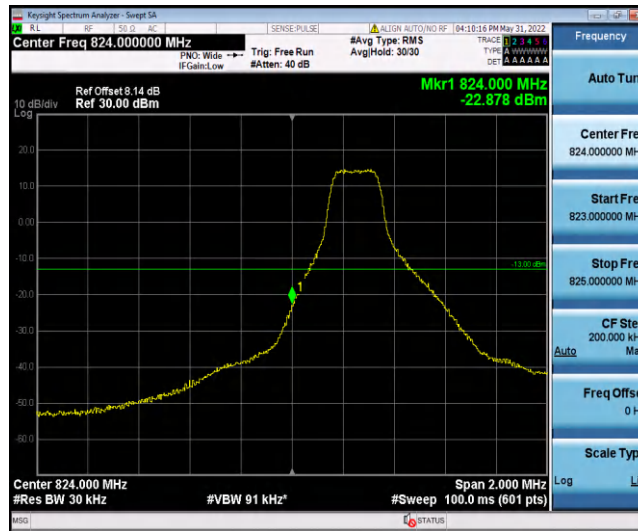
Band5-1.4MHz-QPSK-20643-1RB#0



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



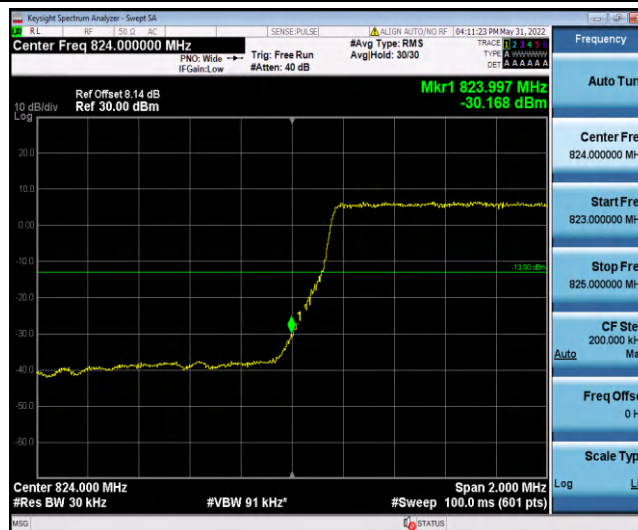
Band5-1.4MHz-QPSK-20643-6RB#0



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



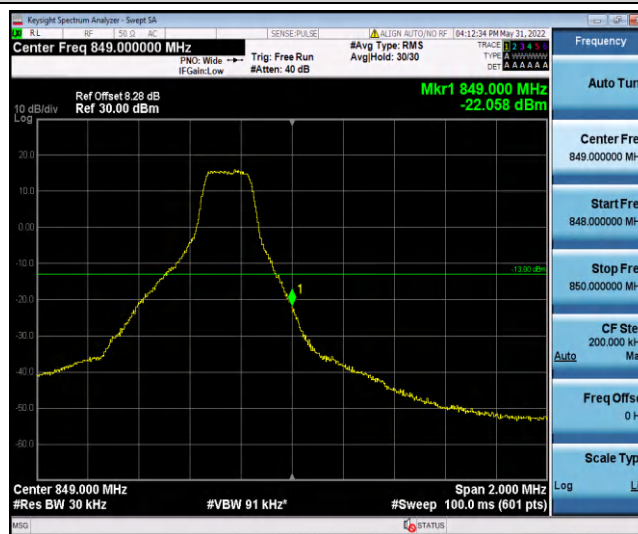
Band5-1.4MHz-16QAM-20407-1RB#5



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



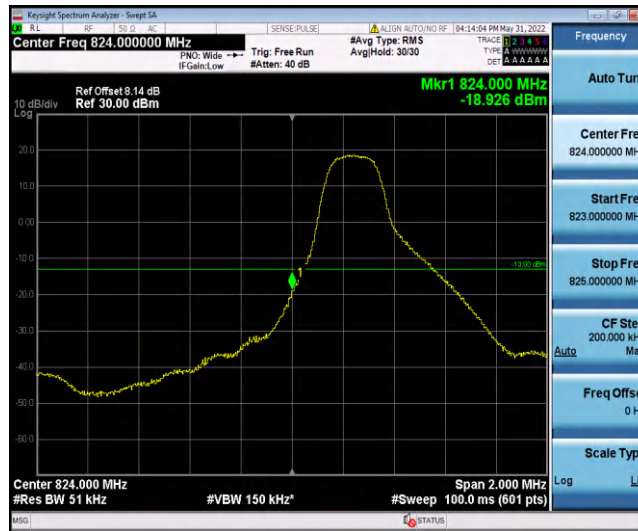
Band5-1.4MHz-16QAM-20643-1RB#0



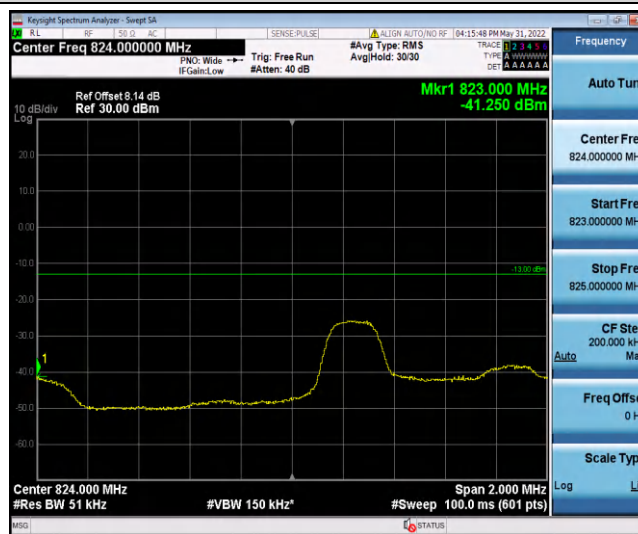
Band5-1.4MHz-16QAM-20643-1RB#5



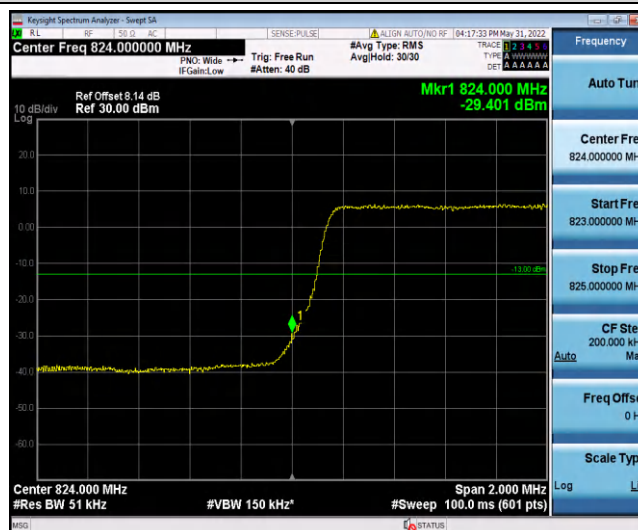
Band5-1.4MHz-16QAM-20643-6RB#0



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



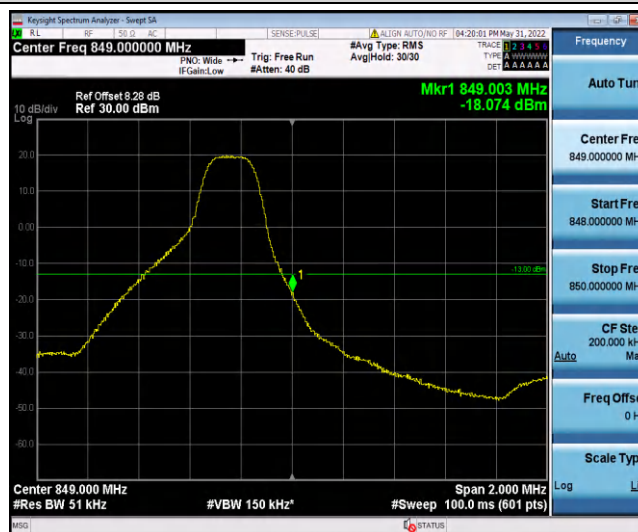
Band5-3MHz-QPSK-20415-1RB#14



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



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



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



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