



Appendix J: Test Data for E-UTRA Band 12

Product Name: Rugged Handheld Computer

Test Model: EA520

Environmental Conditions

Temperature:	21.2° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



J.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.31	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.44	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.32	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.43	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.43	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.38	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.43	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.42	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.51	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.42	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.49	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.48	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.51	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.46	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.49	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.31	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.42	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.44	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.48	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.45	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.29	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.33	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.23	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.24	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.22	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.26	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.46	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.34	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.38	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.26	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.37	PASS



Band12	1.4MHz	16QAM	23095	3RB#1	21.39	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.36	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.10	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.24	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.23	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.23	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.40	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.95	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.89	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.86	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.90	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.91	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.97	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.88	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.00	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.88	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.84	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.86	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.89	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.90	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.90	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.05	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.87	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.82	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.90	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.94	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.89	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.83	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.96	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.86	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.84	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.97	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.99	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.96	PASS



Band12	3MHz	16QAM	23025	15RB#0	20.97	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.89	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.89	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.90	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.95	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.95	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.94	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.94	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.85	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.81	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.93	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.94	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.90	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.90	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.90	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.99	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.85	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.81	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.84	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.92	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.74	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.73	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.62	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.37	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.57	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.50	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.50	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.53	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.33	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.53	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.37	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.51	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.49	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.40	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.79	PASS



Band12	5MHz	16QAM	23035	1RB#12	21.87	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.84	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.87	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.89	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.72	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.60	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.49	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.53	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.58	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.51	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.56	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.29	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.43	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.28	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.45	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.48	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.42	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.49	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.93	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.02	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.85	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.92	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.86	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.88	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.64	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.58	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.63	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.45	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.59	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.57	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.49	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.48	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.85	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.95	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.77	PASS



Band12	10MHz	QPSK	23130	25RB#0	21.70	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.64	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.30	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.40	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.90	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.10	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.85	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.89	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.92	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.76	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.64	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.36	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.45	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.22	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.62	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.62	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.52	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.61	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.89	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.85	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.70	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.48	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.50	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.27	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.41	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.31	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.85	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.15	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.53	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.12	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.79	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.24	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.69	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.99	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.38	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.16	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.66	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.36	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.89	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.02	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.51	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.66	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.64	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.17	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.78	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.79	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.35	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.82	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.53	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.53	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.05	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.90	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.50	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.17	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.78	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.10	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.83	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.64	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.25	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.89	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.60	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.30	13	PASS

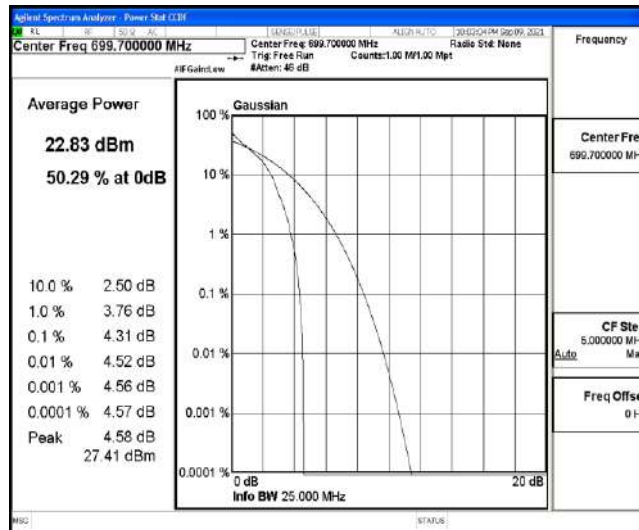


Band12	10MHz	QPSK	23060	50RB#0	5.36	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.39	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.98	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.24	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.17	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.13	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.20	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.14	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	6.06	13	PASS

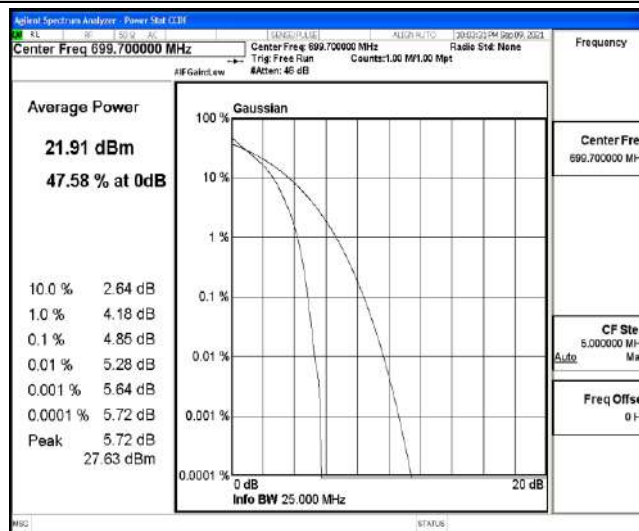


Test Graphs

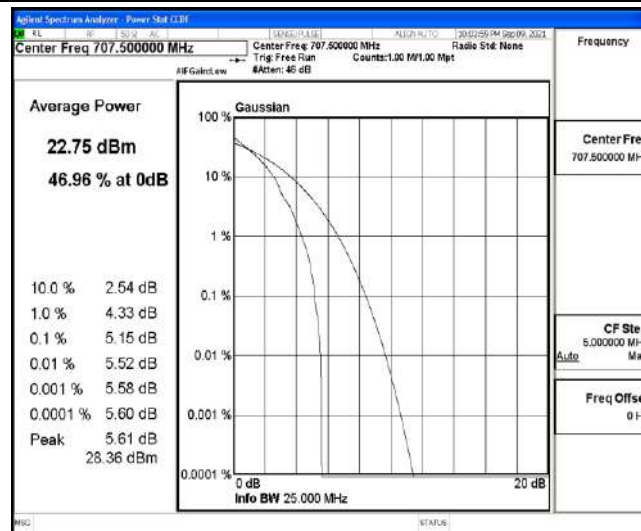
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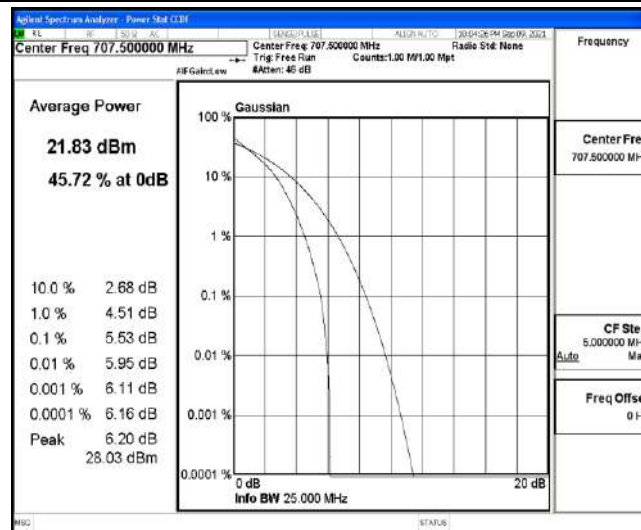
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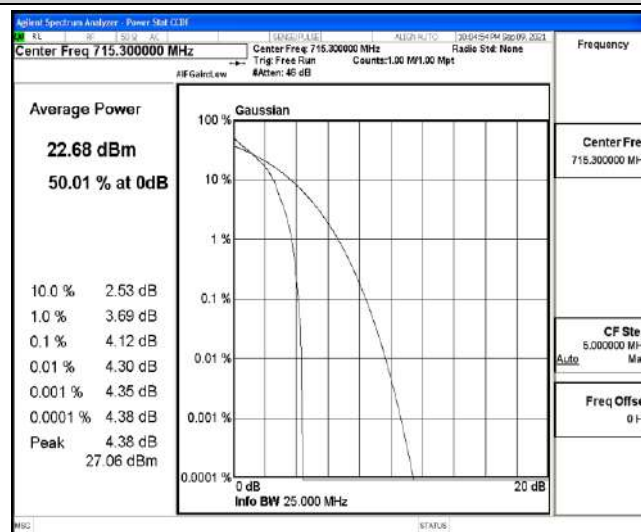
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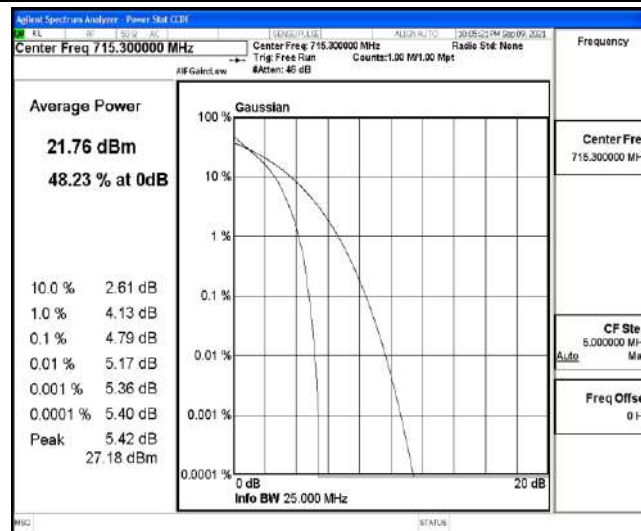
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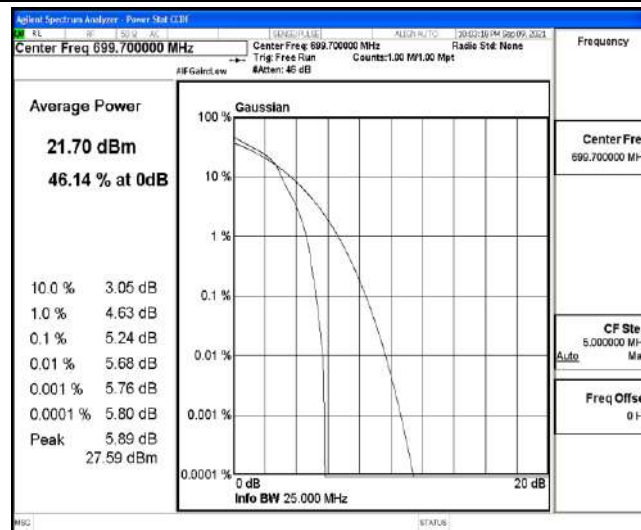
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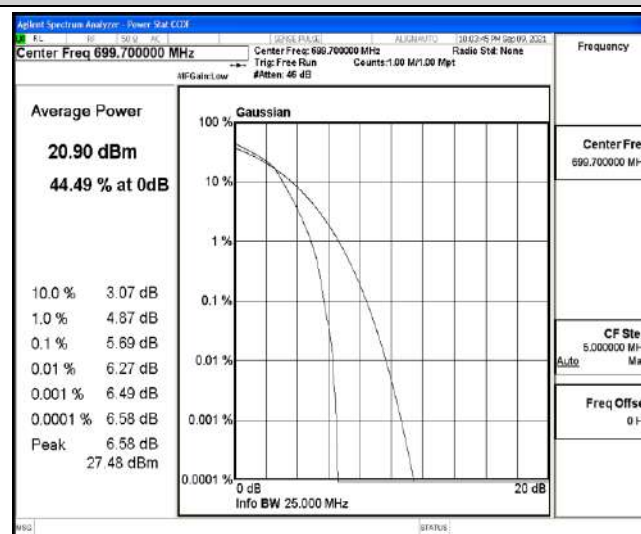
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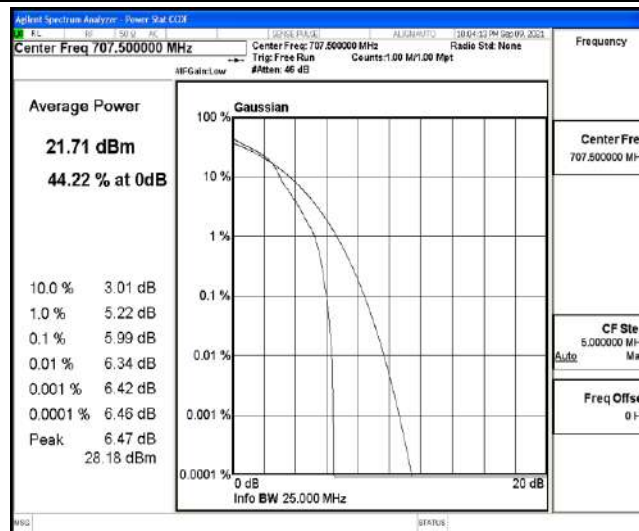
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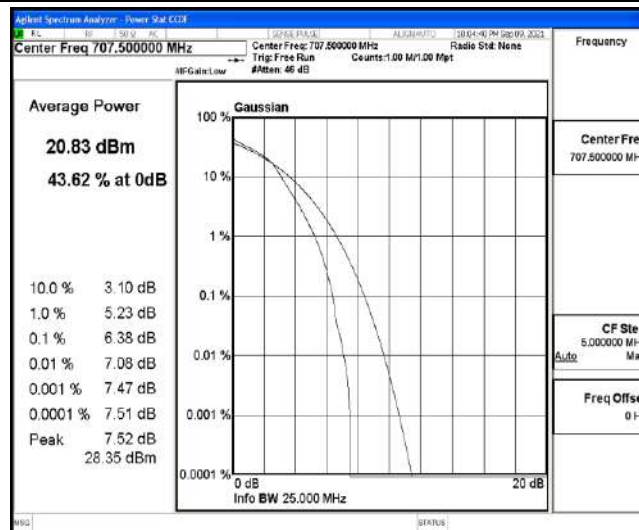
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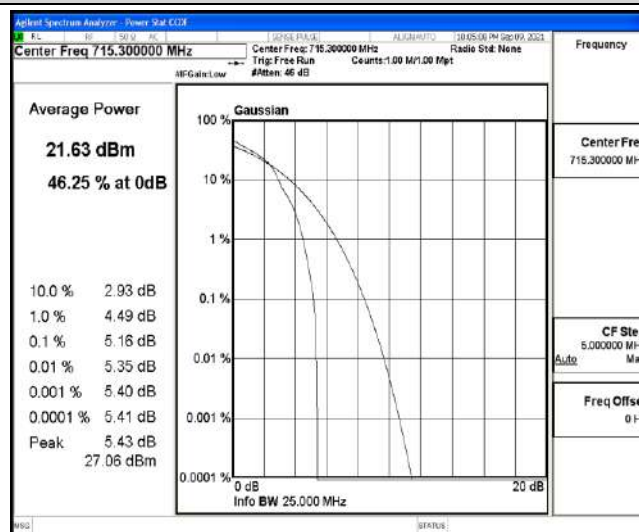
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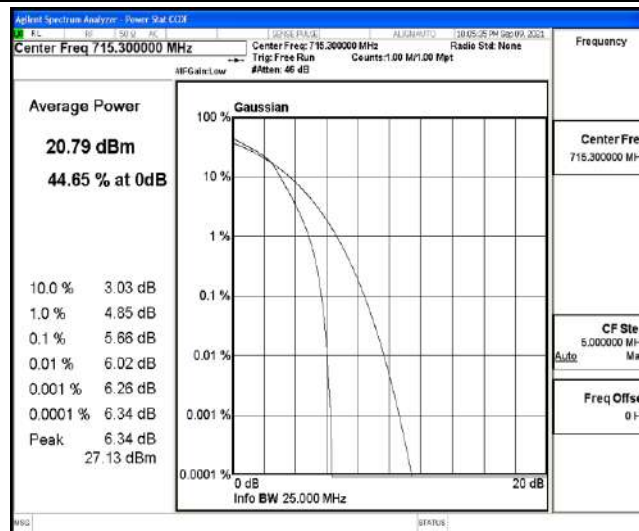
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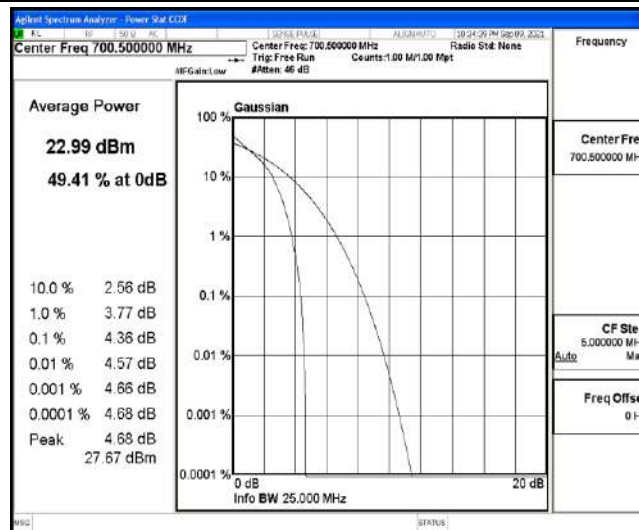
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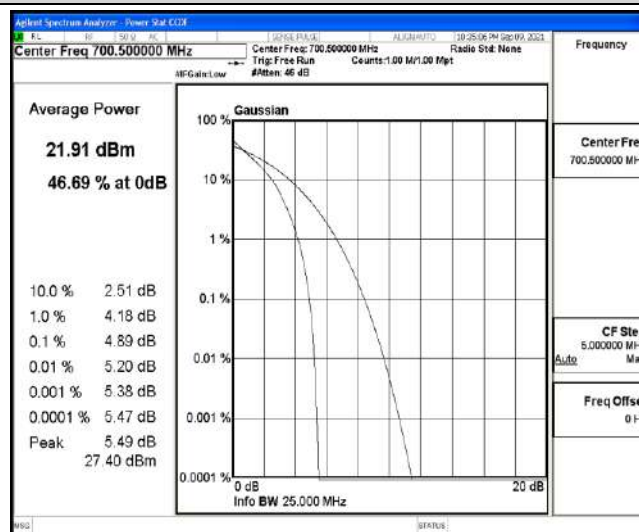
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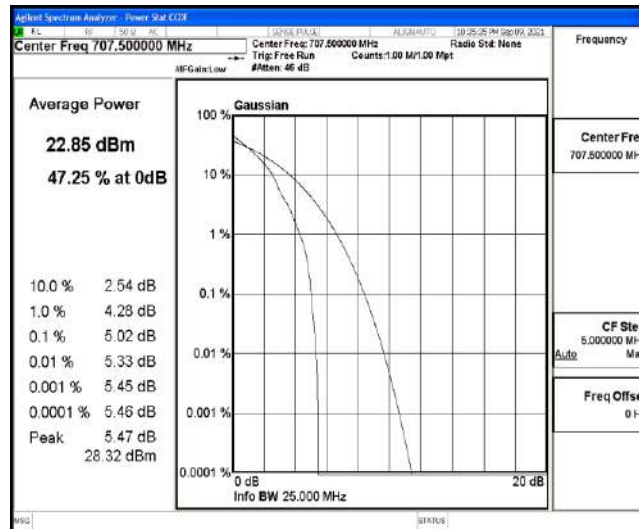
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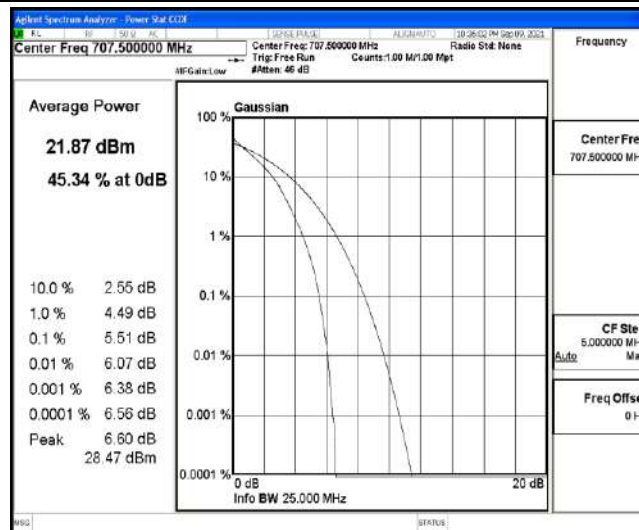
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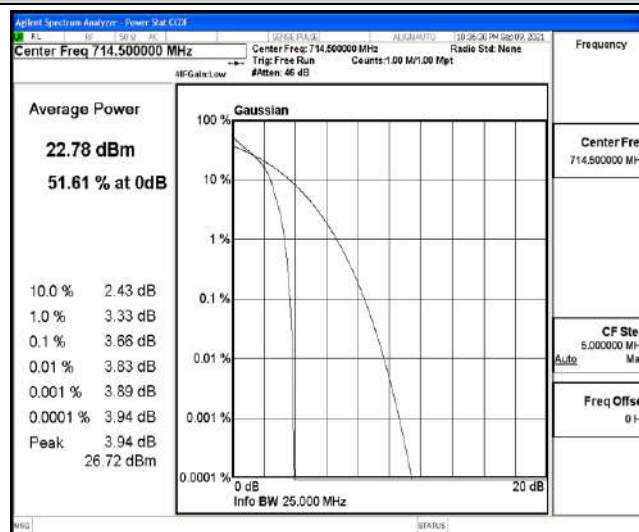
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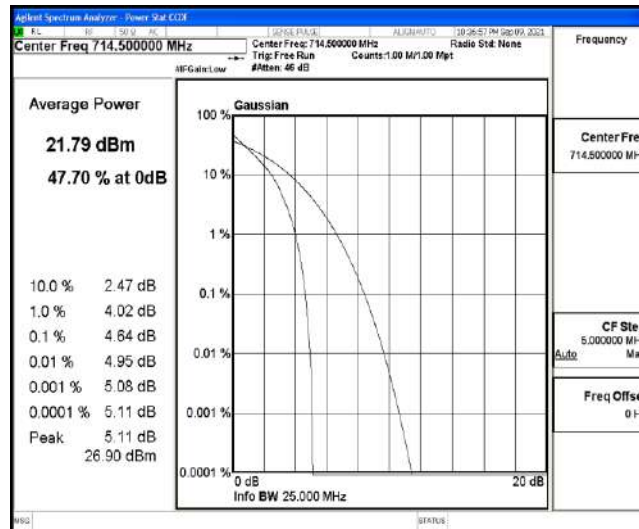
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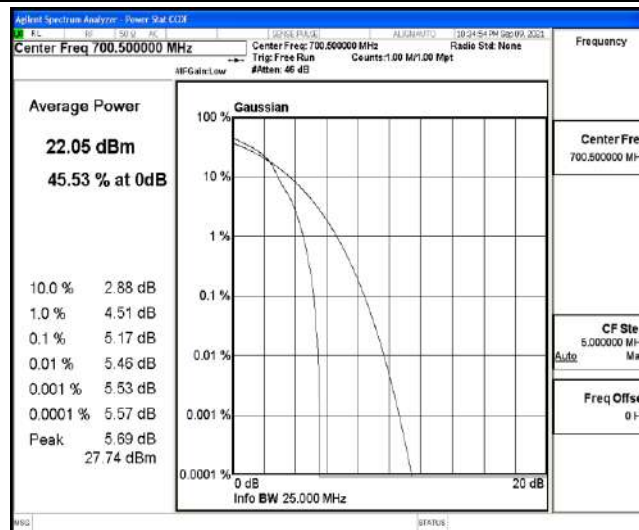
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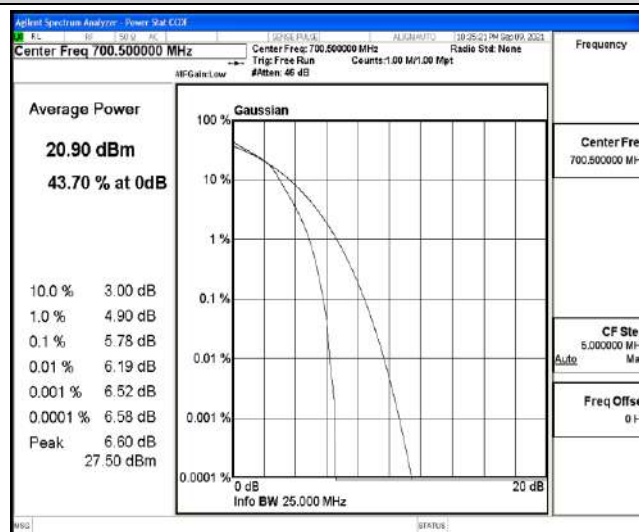
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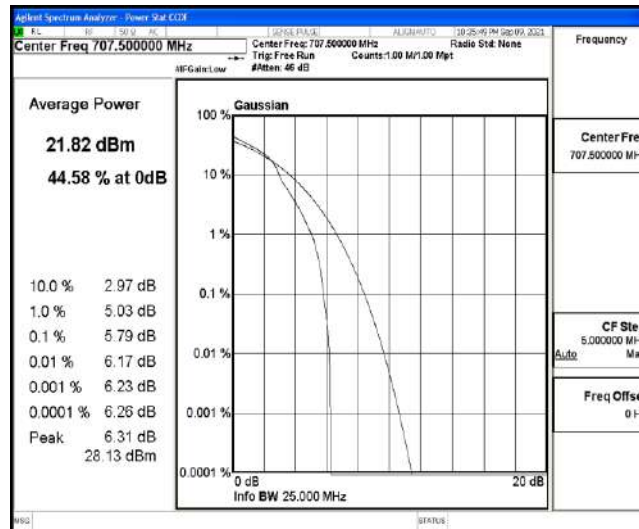
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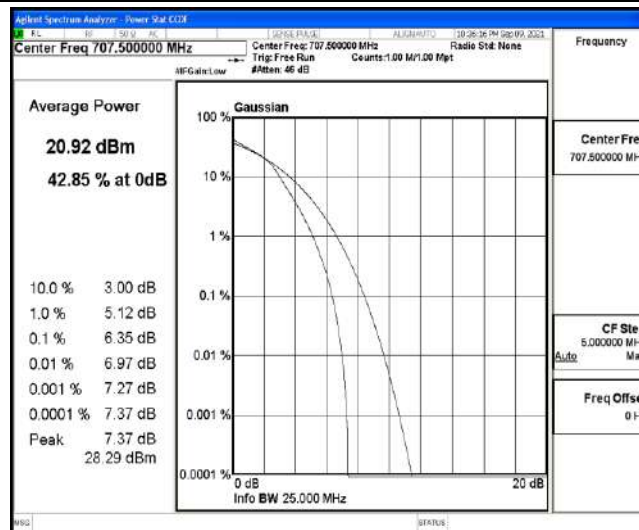
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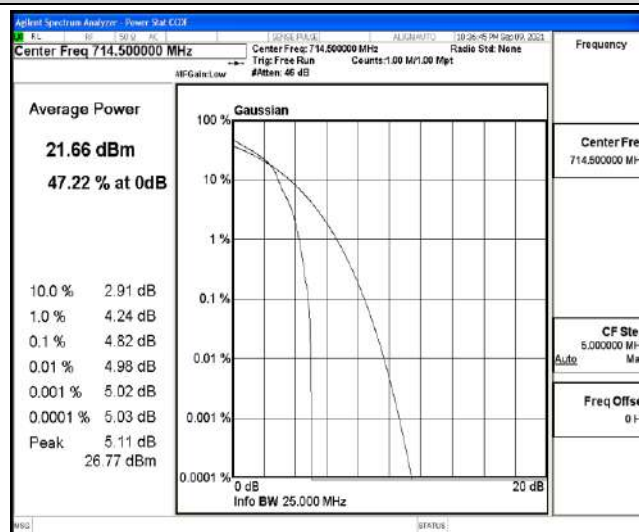
Band12-3MHz-16QAM-23095-1RB#0



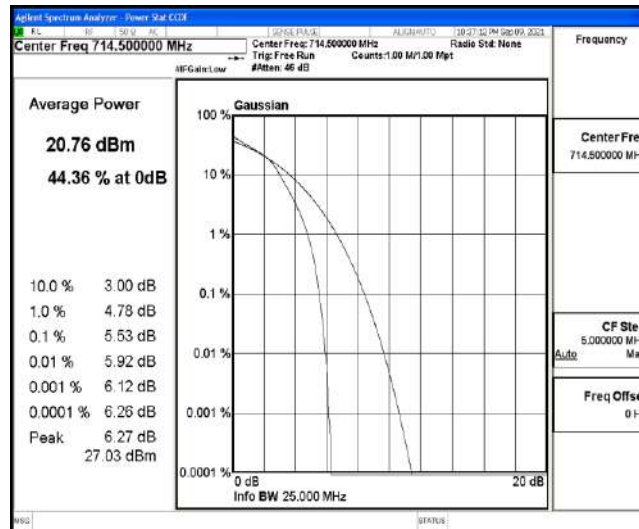
Band12-3MHz-16QAM-23095-15RB#0



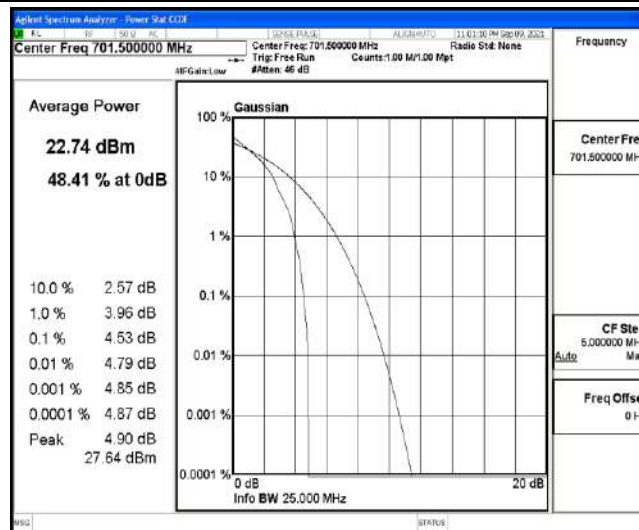
Band12-3MHz-16QAM-23165-1RB#0



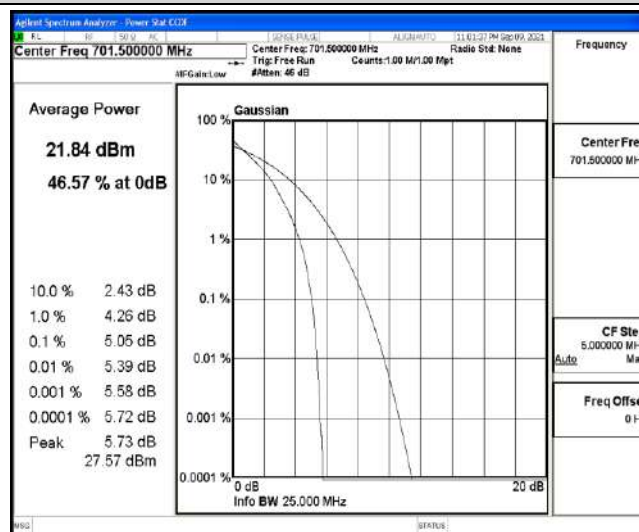
Band12-3MHz-16QAM-23165-15RB#0



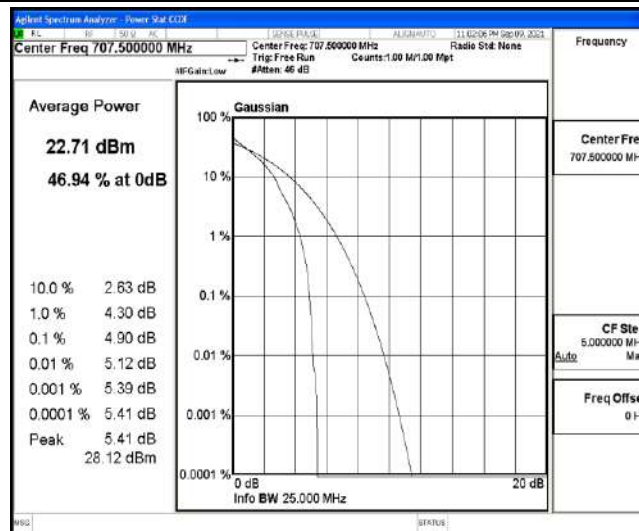
Band12-5MHz-QPSK-23035-1RB#0



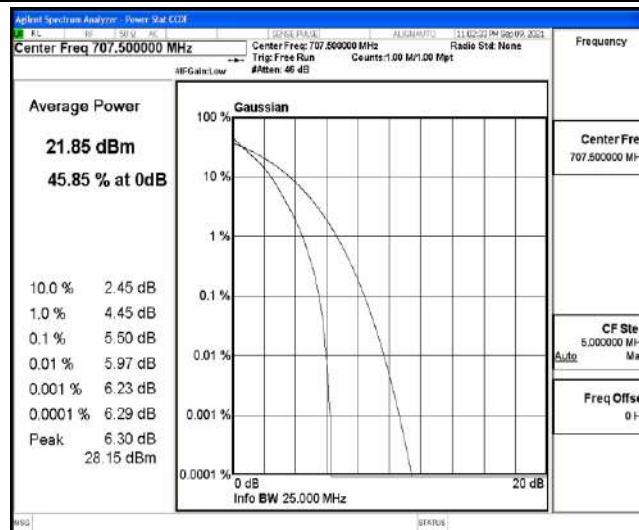
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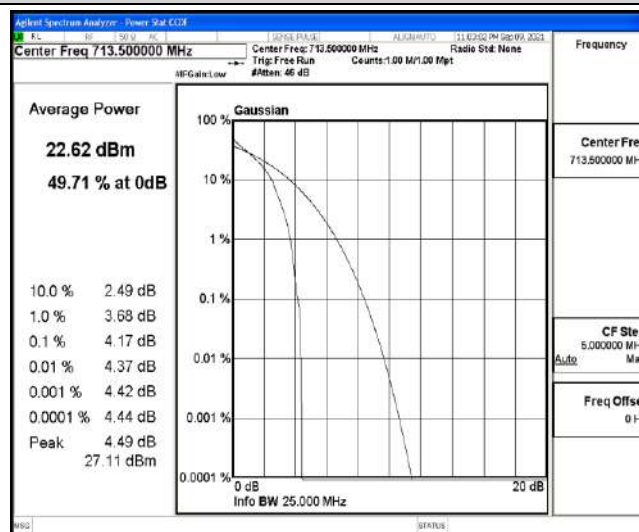
Band12-5MHz-QPSK-23095-1RB#0



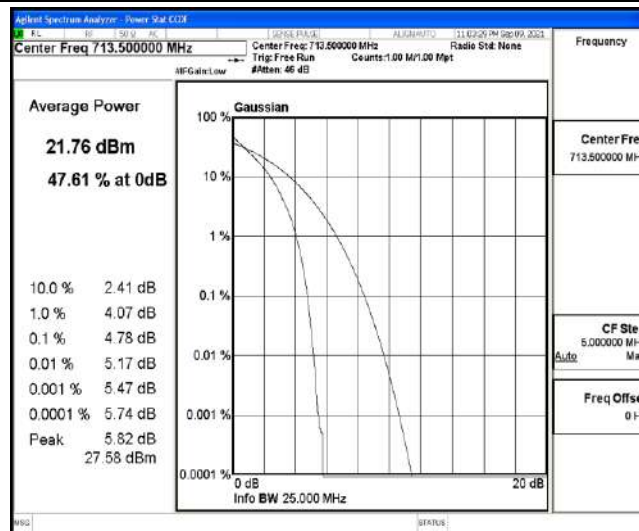
Band12-5MHz-QPSK-23095-25RB#0



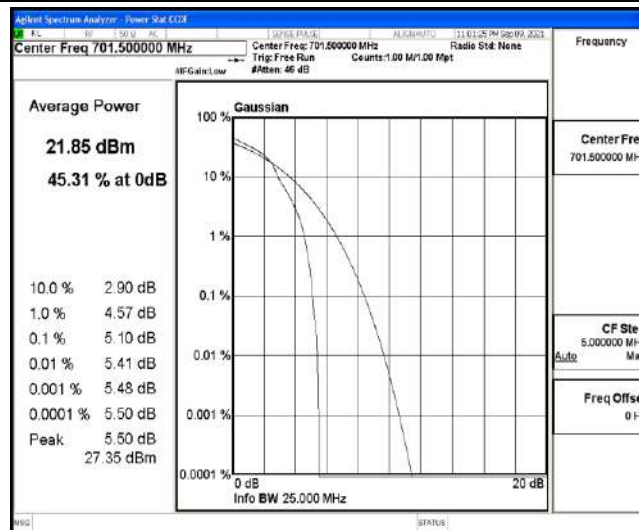
Band12-5MHz-QPSK-23155-1RB#0



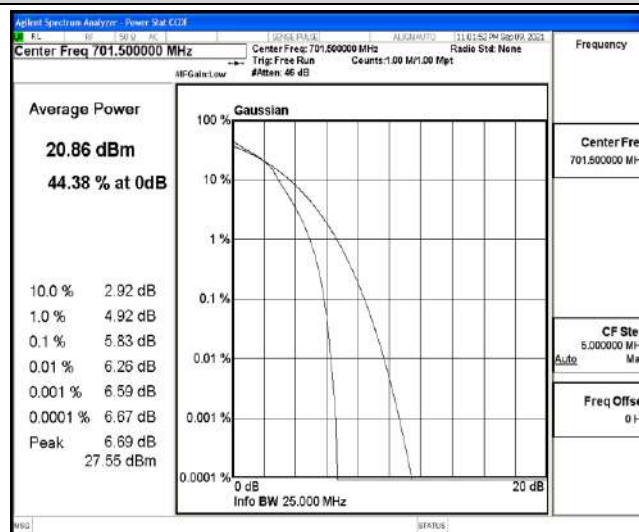
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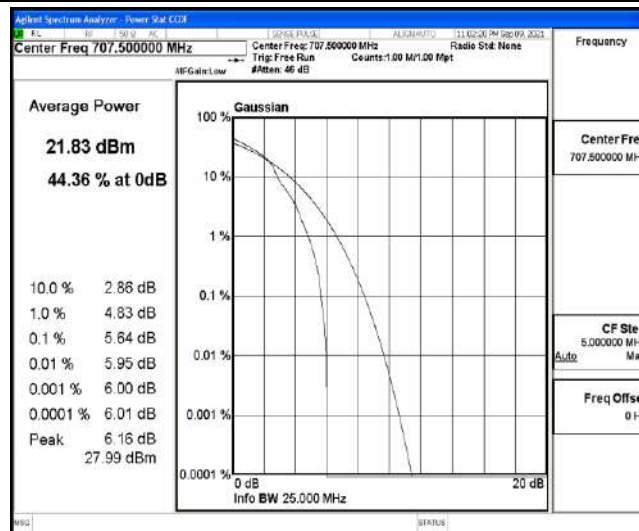
Band12-5MHz-16QAM-23035-1RB#0



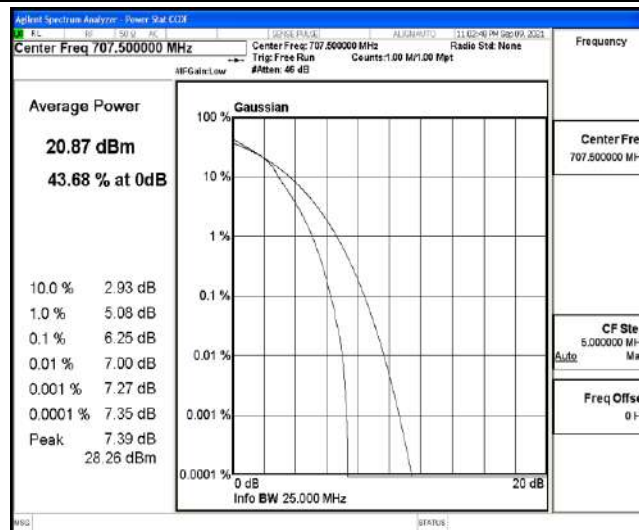
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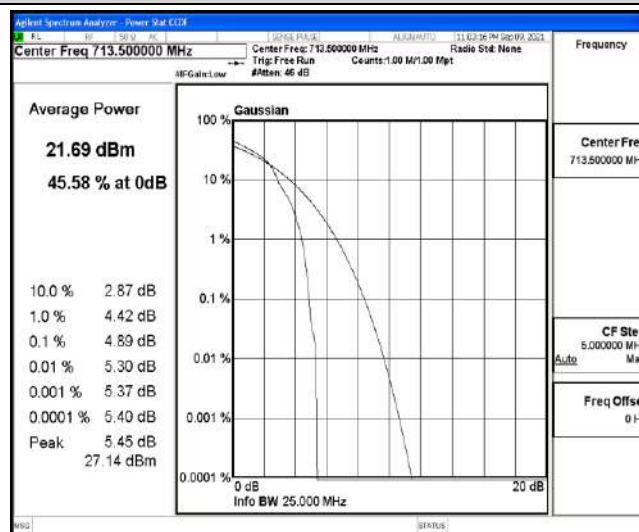
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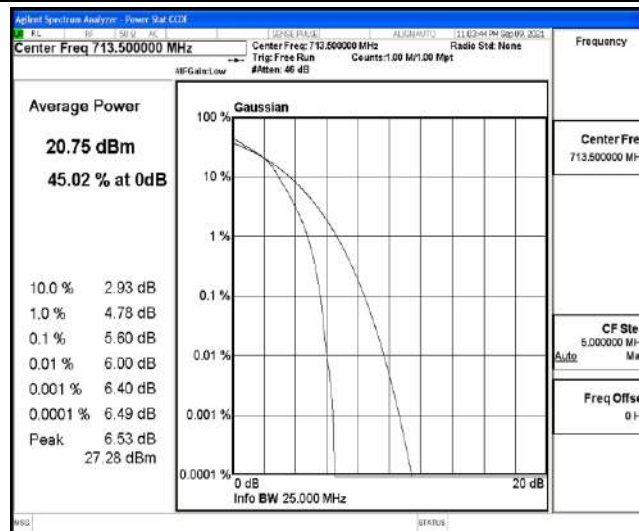
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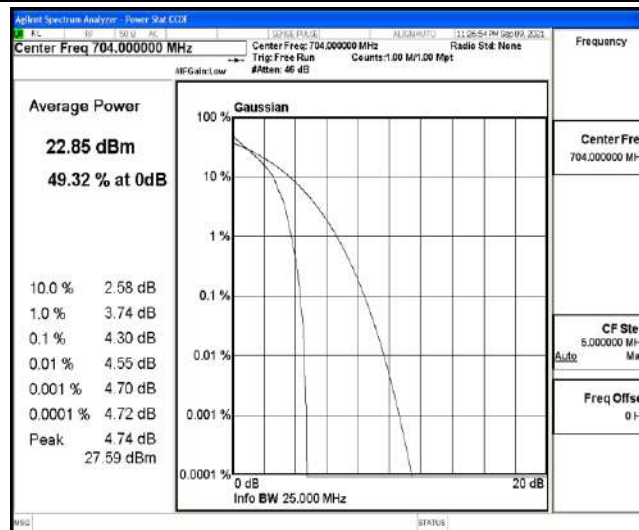
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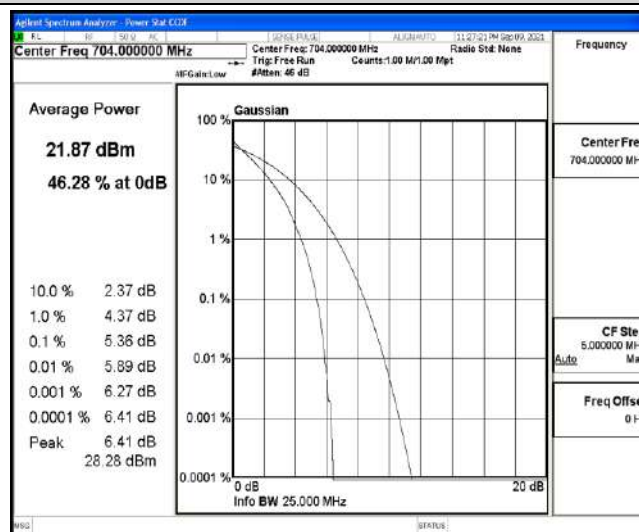
Band12-5MHz-16QAM-23155-25RB#0



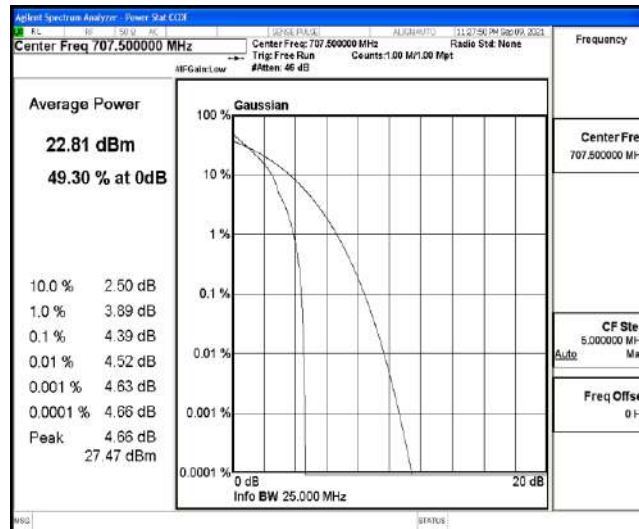
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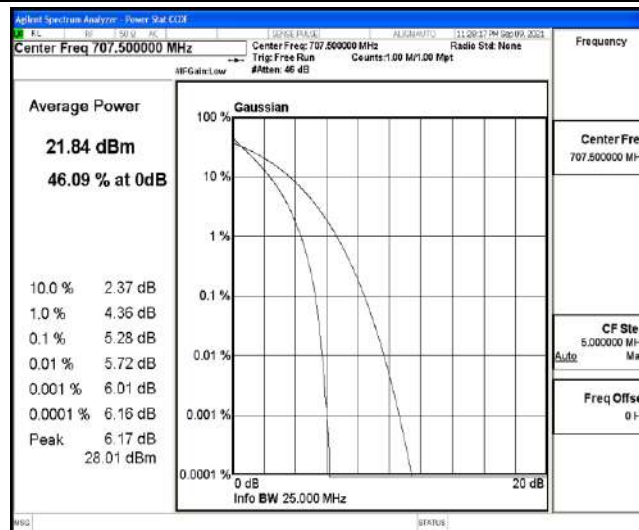
Band12-10MHz-QPSK-23060-50RB#0



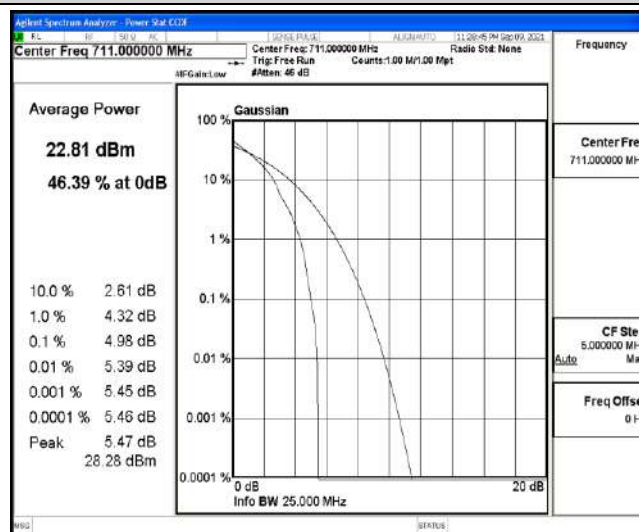
Band12-10MHz-QPSK-23095-1RB#0



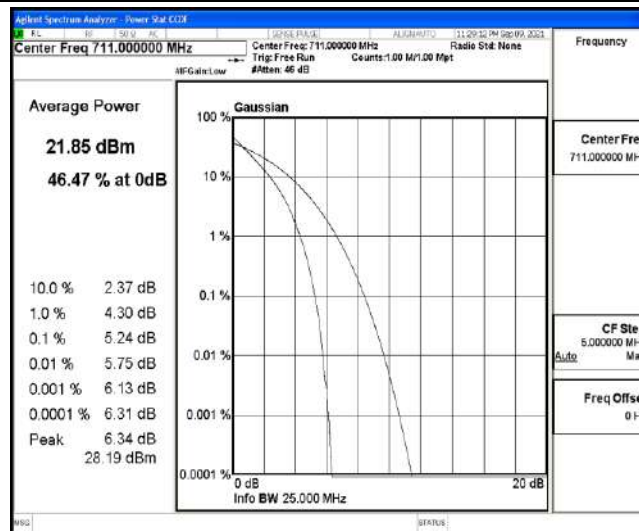
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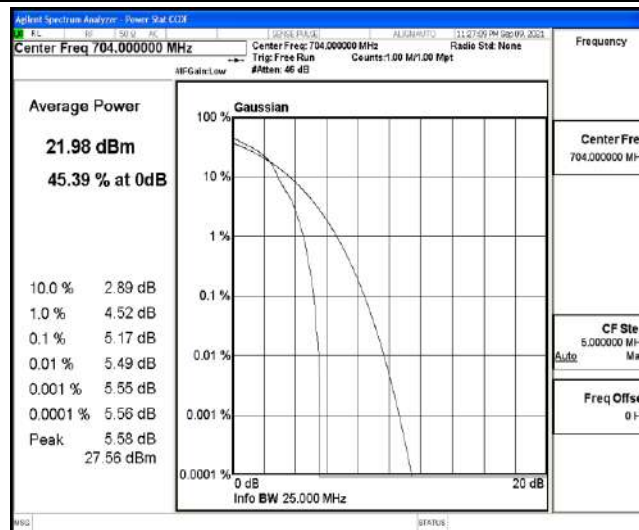
Band12-10MHz-QPSK-23130-1RB#0



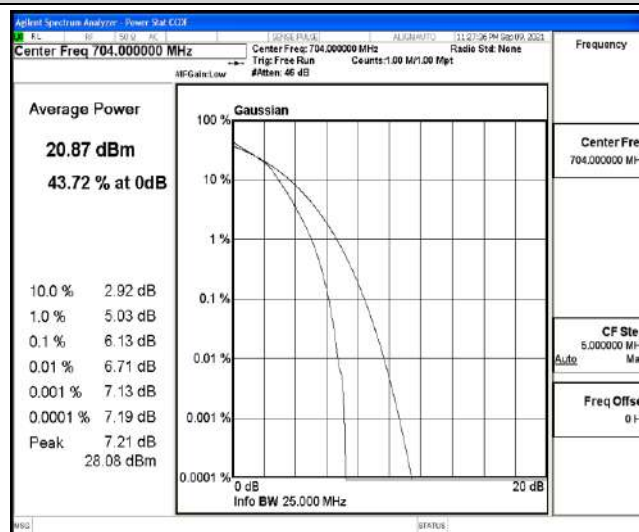
Band12-10MHz-QPSK-23130-50RB#0



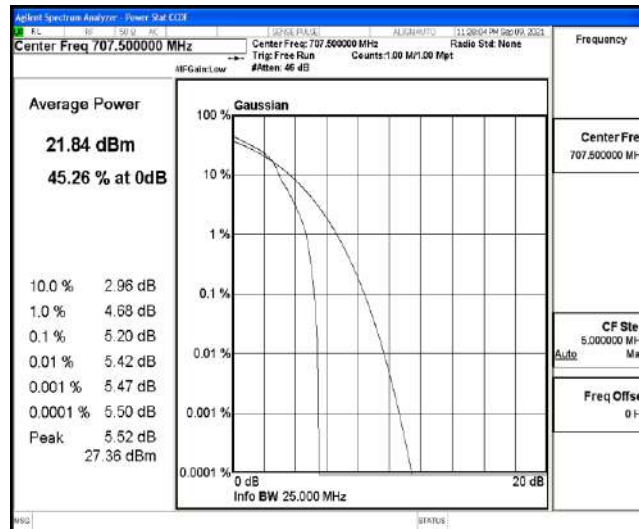
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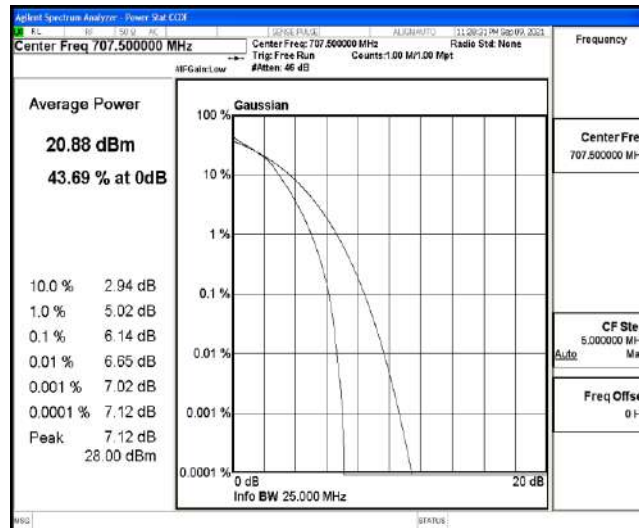
Band12-10MHz-16QAM-23060-50RB#0



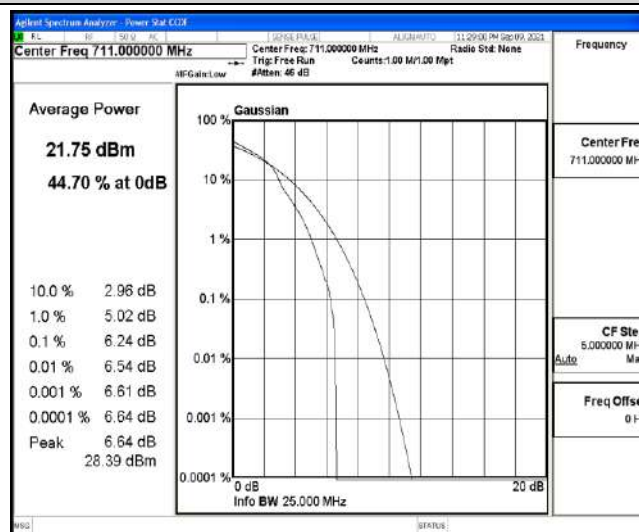
Band12-10MHz-16QAM-23095-1RB#0



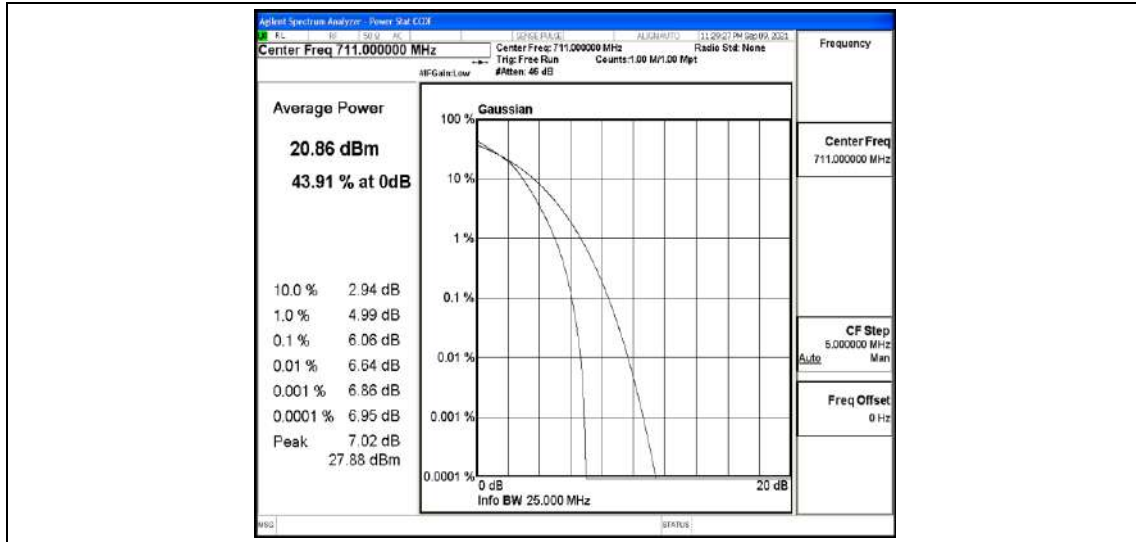
Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-50RB#0





J.3 26dB Bandwidth and Occupied Bandwidth

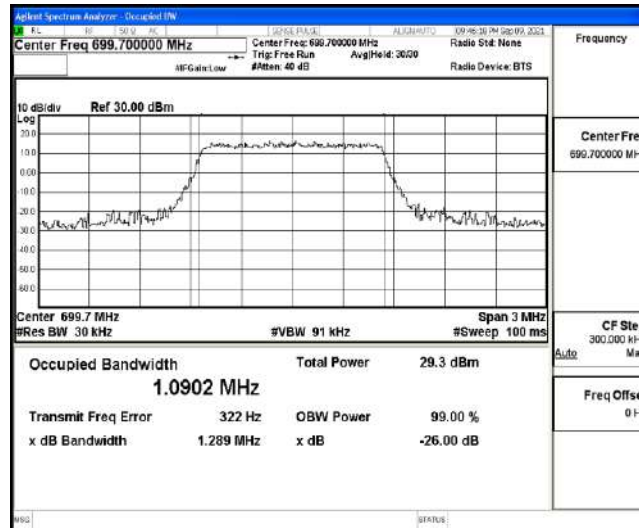
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0902	1.289	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0941	1.281	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0925	1.284	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0879	1.295	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0939	1.281	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0871	1.275	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6886	2.898	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6870	2.898	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6789	2.887	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6775	2.883	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6860	2.894	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6865	2.904	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5217	5.165	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5086	5.150	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5219	5.125	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5144	5.151	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5216	5.187	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5230	5.192	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0018	10.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0024	10.10	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9911	9.951	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9716	10.01	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9792	10.07	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9990	9.979	PASS



Test Graphs

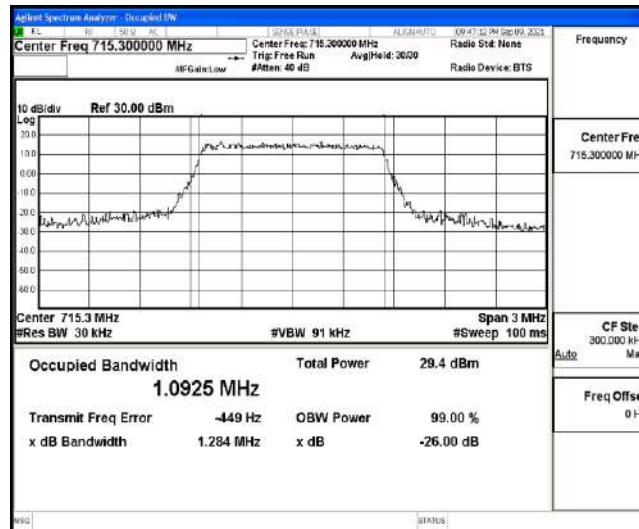
Band12-1.4MHz-QPSK-23017-6RB#0



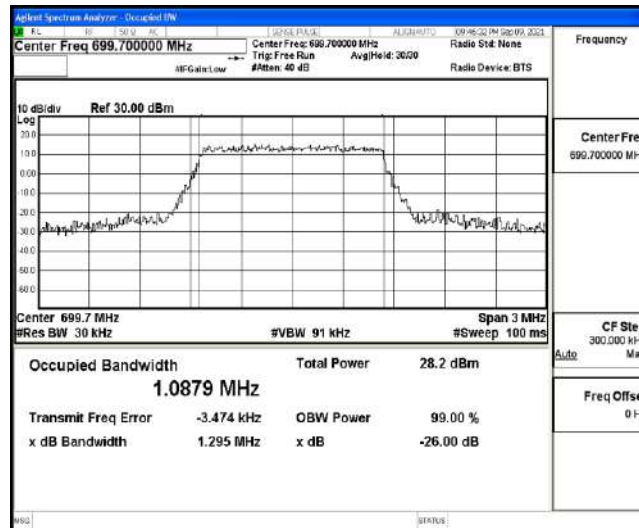
Band12-1.4MHz-QPSK-23095-6RB#0



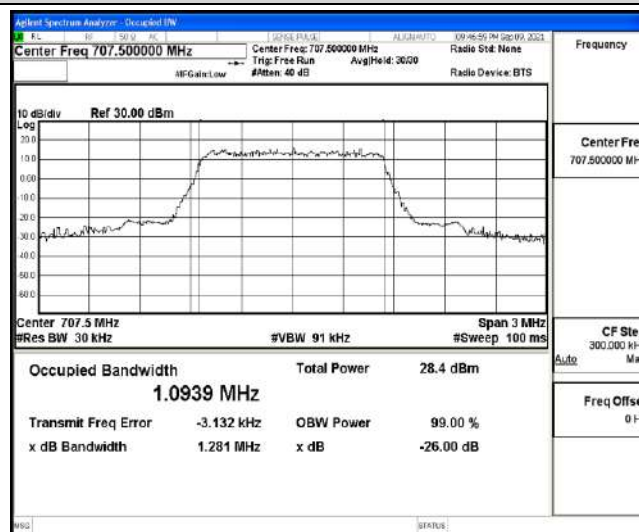
Band12-1.4MHz-QPSK-23173-6RB#0



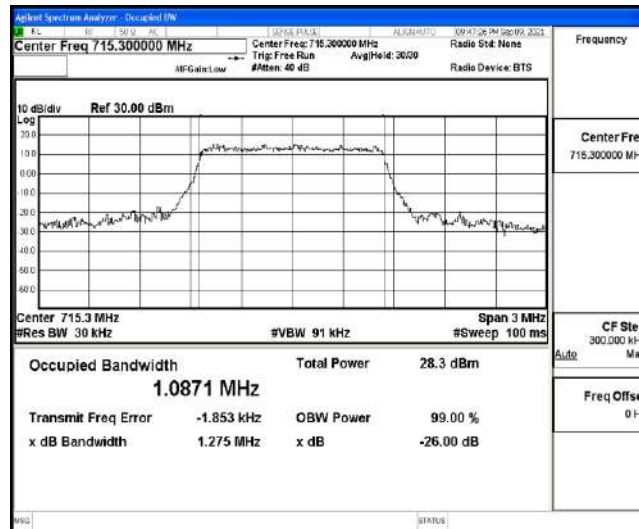
Band12-1.4MHz-16QAM-23017-6RB#0



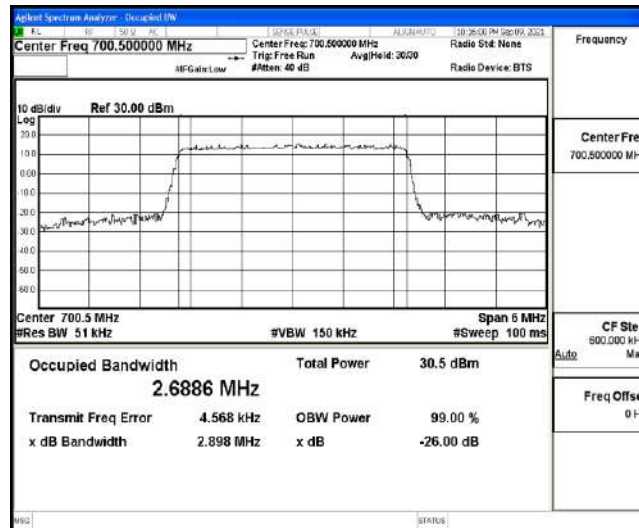
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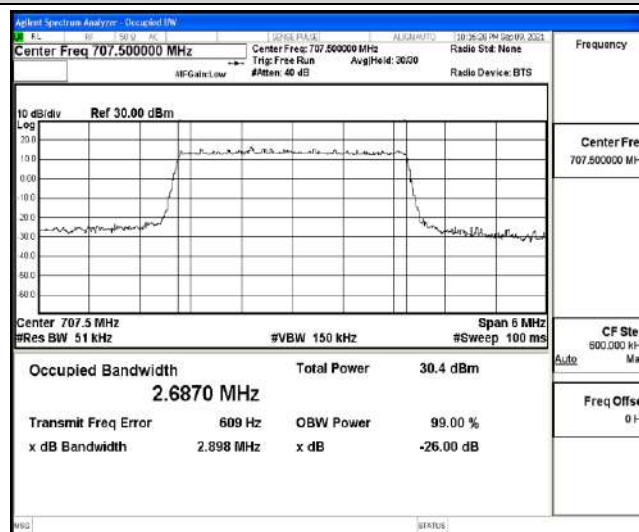
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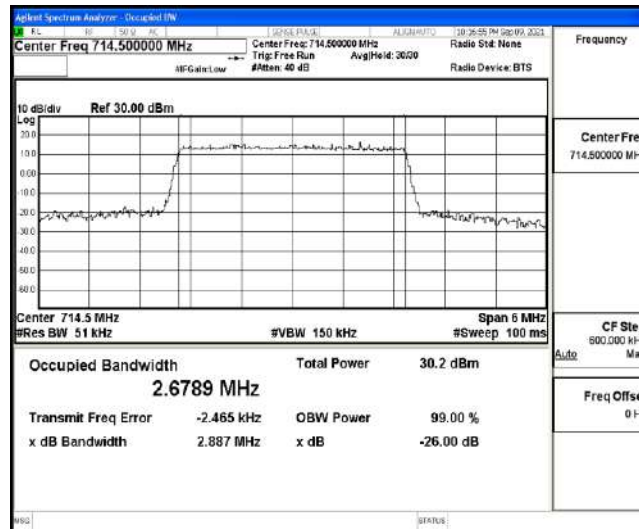
Band12-3MHz-QPSK-23025-15RB#0



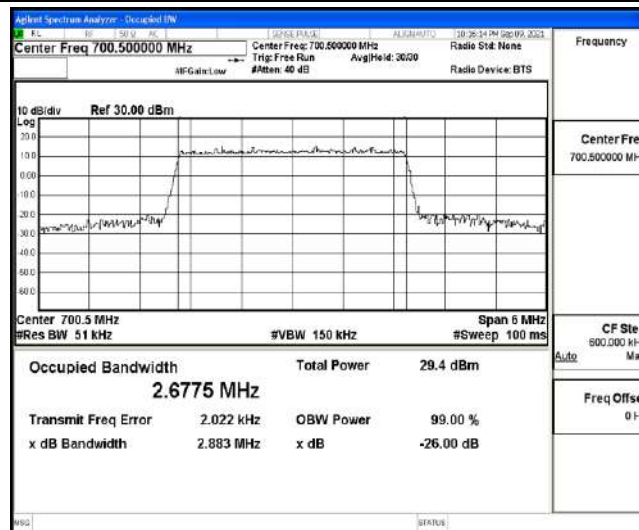
Band12-3MHz-QPSK-23095-15RB#0



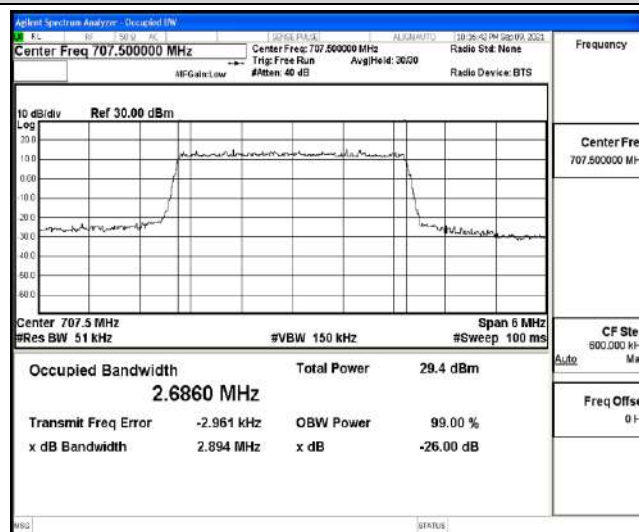
Band12-3MHz-QPSK-23165-15RB#0



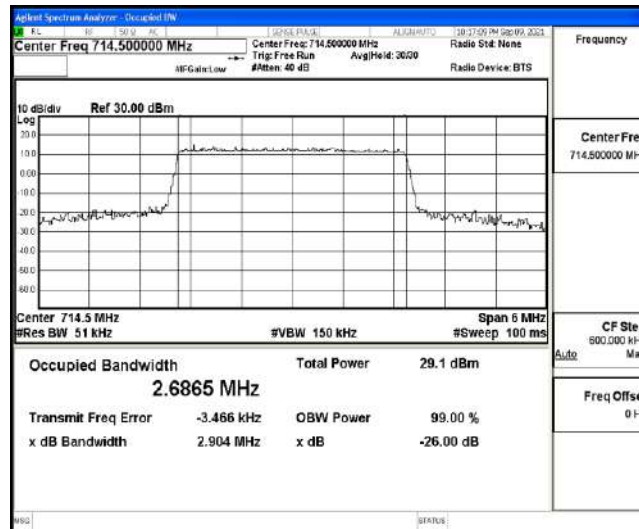
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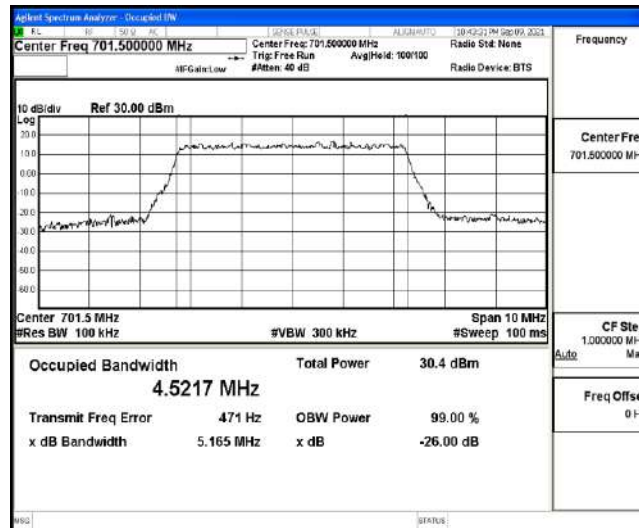
Band12-3MHz-16QAM-23095-15RB#0



Band12-3MHz-16QAM-23165-15RB#0



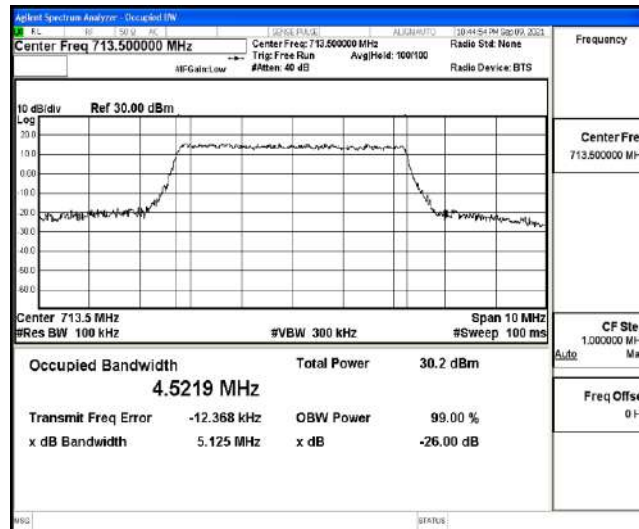
Band12-5MHz-QPSK-23035-25RB#0



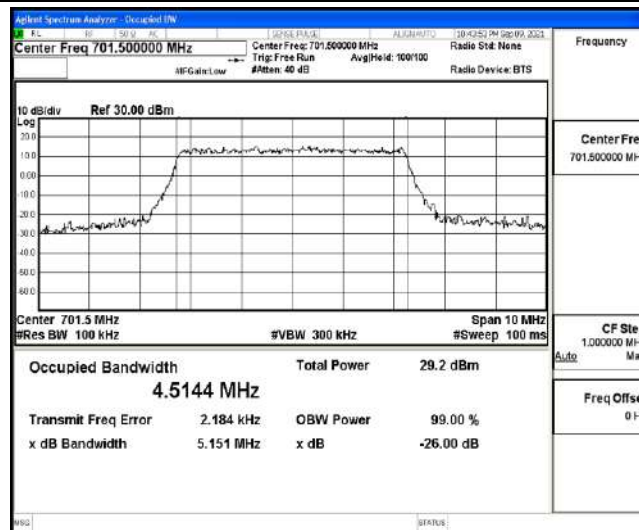
Band12-5MHz-QPSK-23095-25RB#0



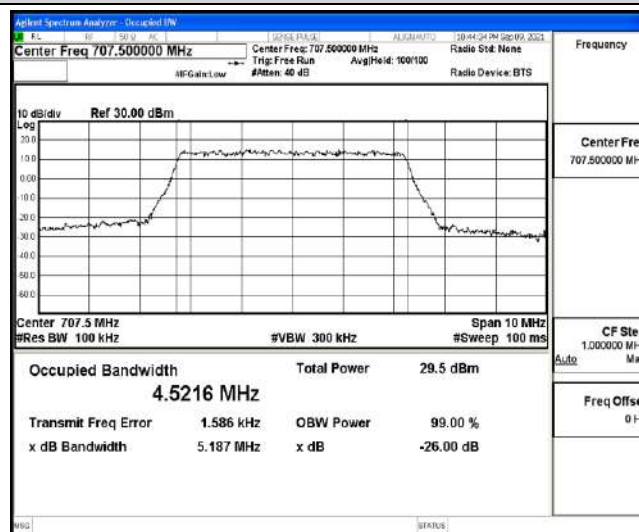
Band12-5MHz-QPSK-23155-25RB#0



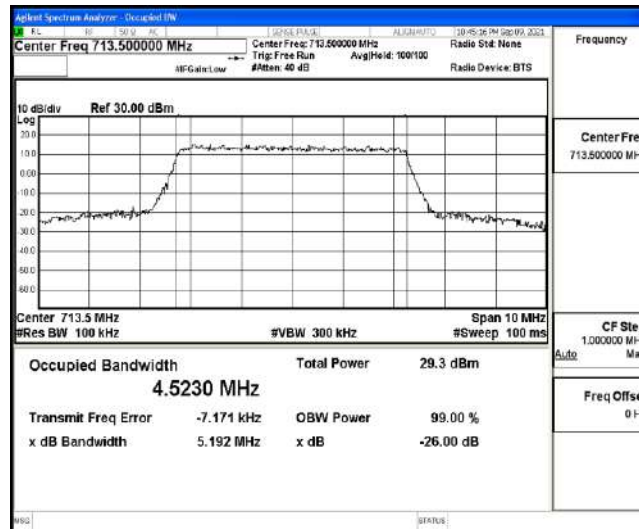
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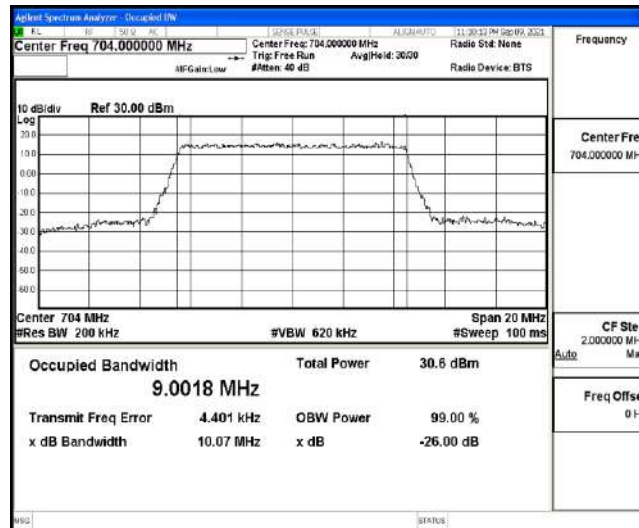
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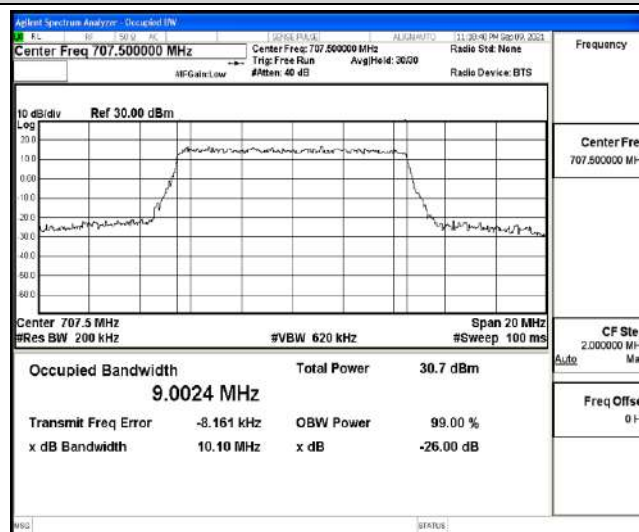
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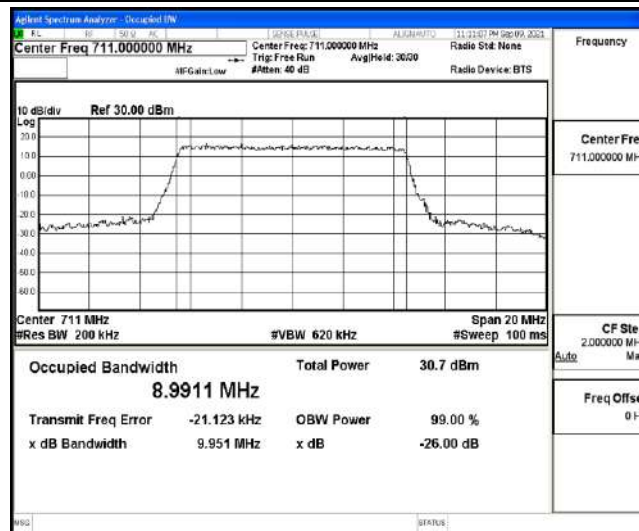
Band12-10MHz-QPSK-23060-50RB#0



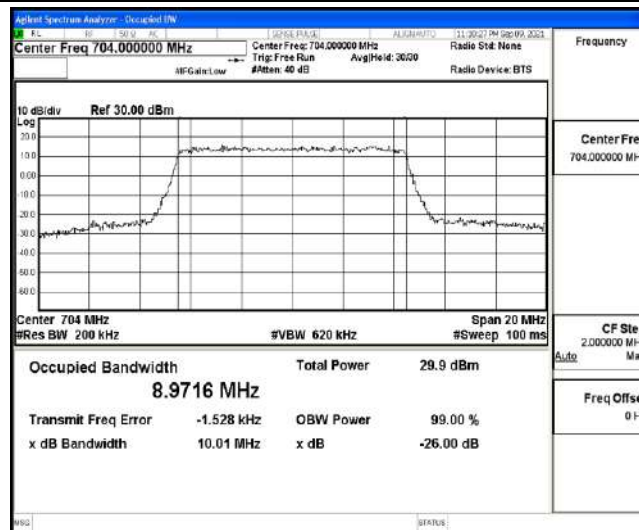
Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-QPSK-23130-50RB#0



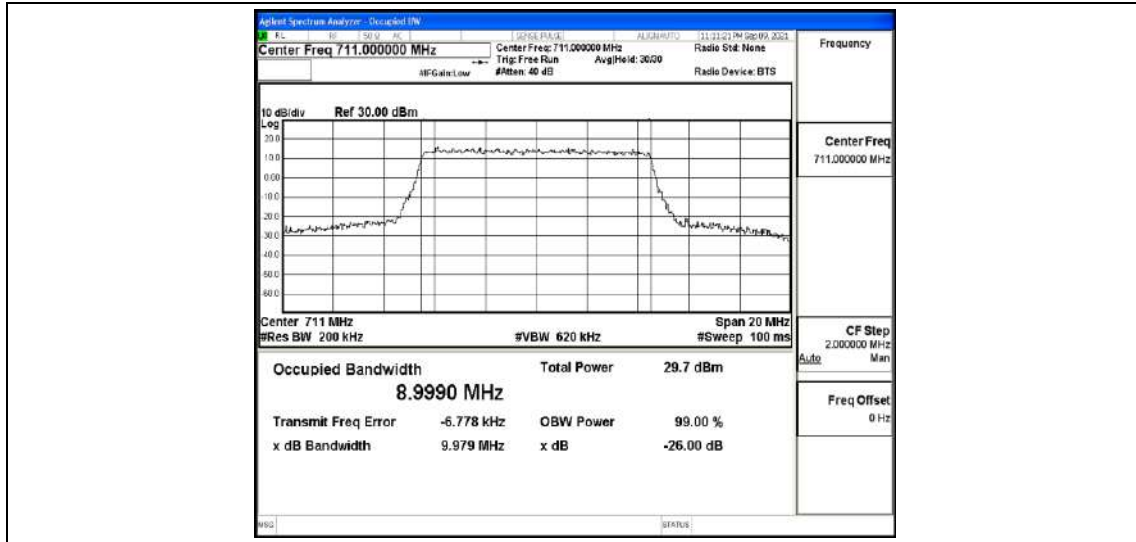
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Band12-10MHz-16QAM-23095-50RB#0



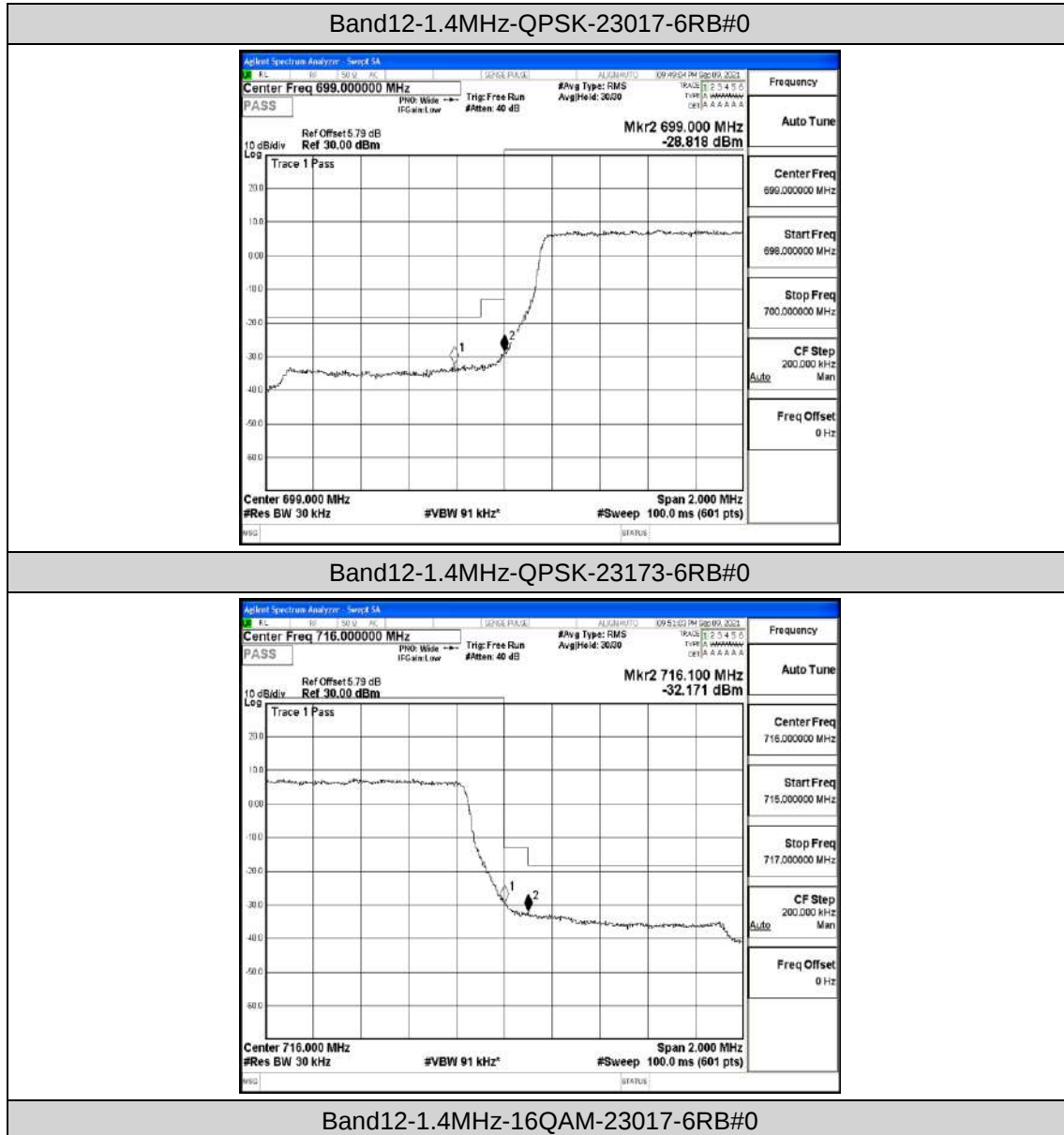
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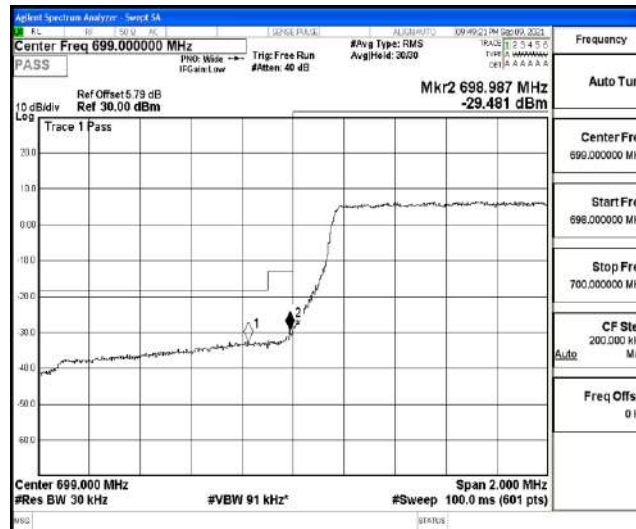




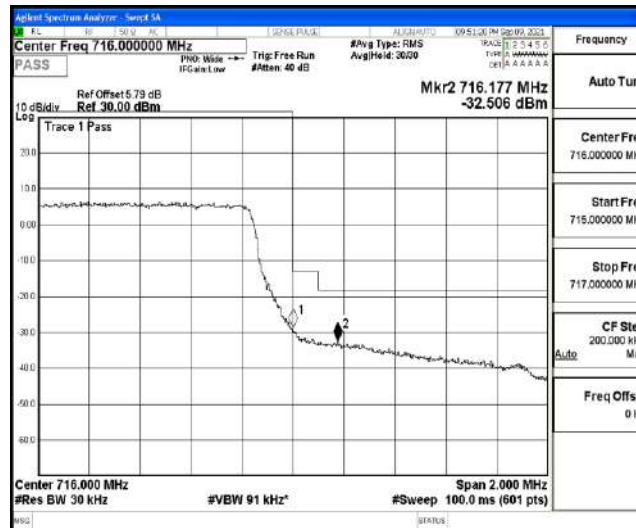
G.4 Band Edge

Test Result

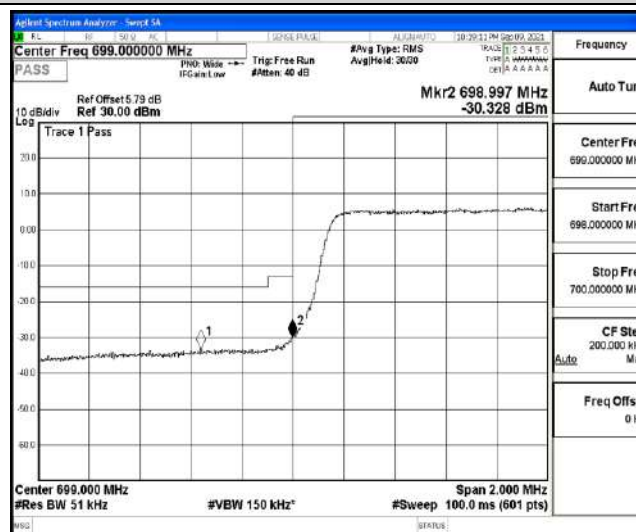




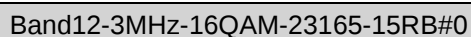
Band12-1.4MHz-16QAM-23173-6RB#0

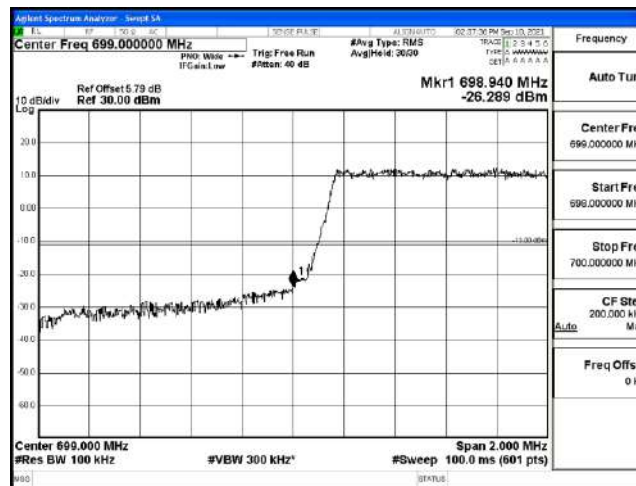


Band12-3MHz-QPSK-23025-15RB#0

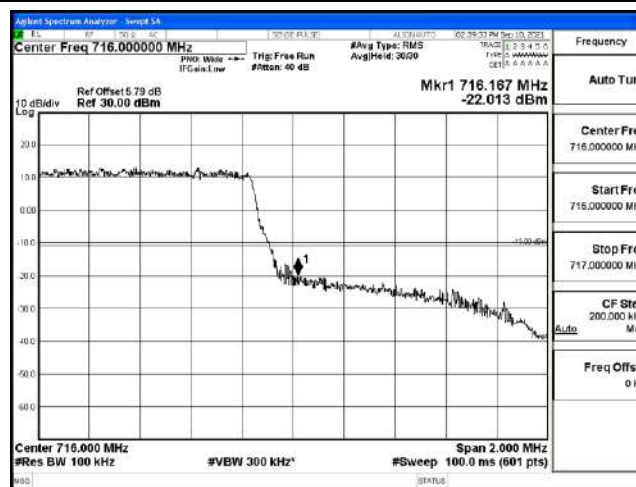


Band12-3MHz-QPSK-23165-15RB#0

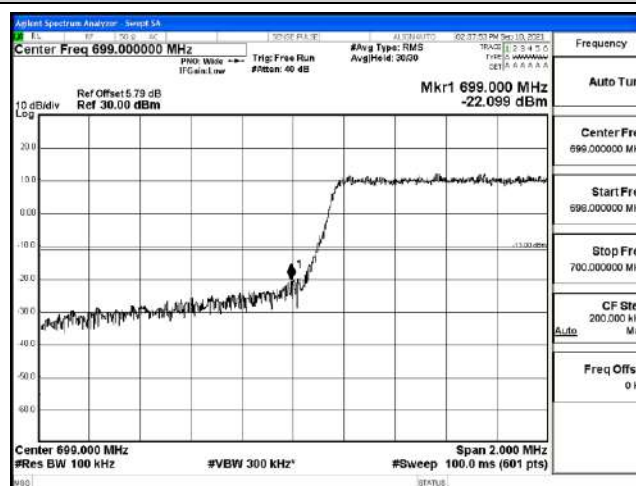




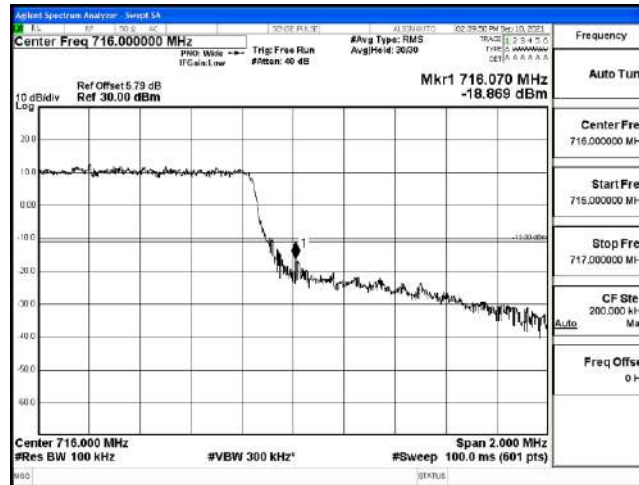
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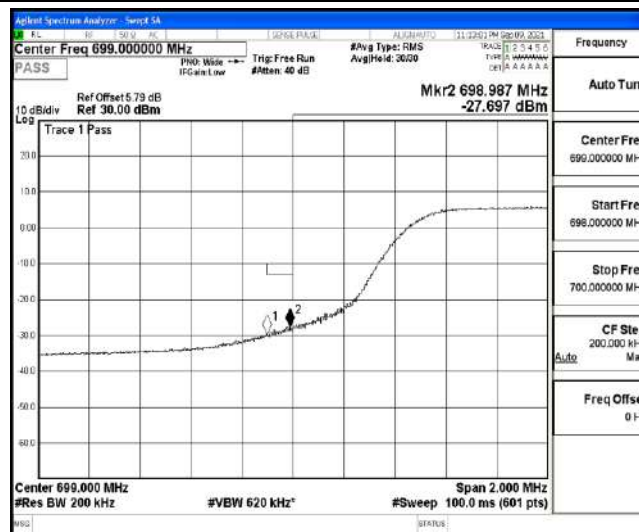
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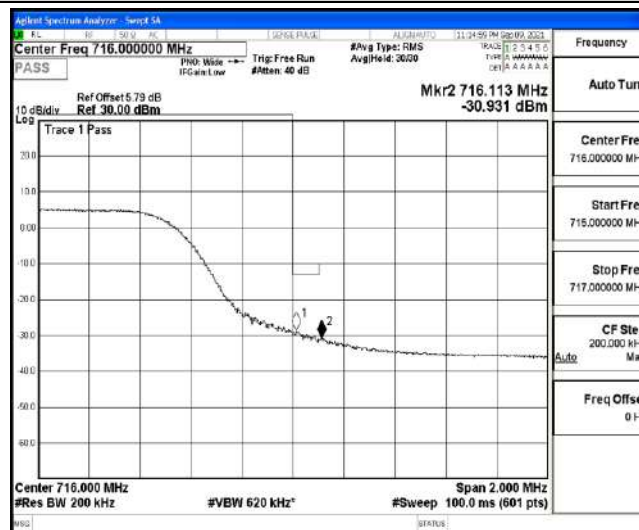
Band12-5MHz-16QAM-23155-25RB#0



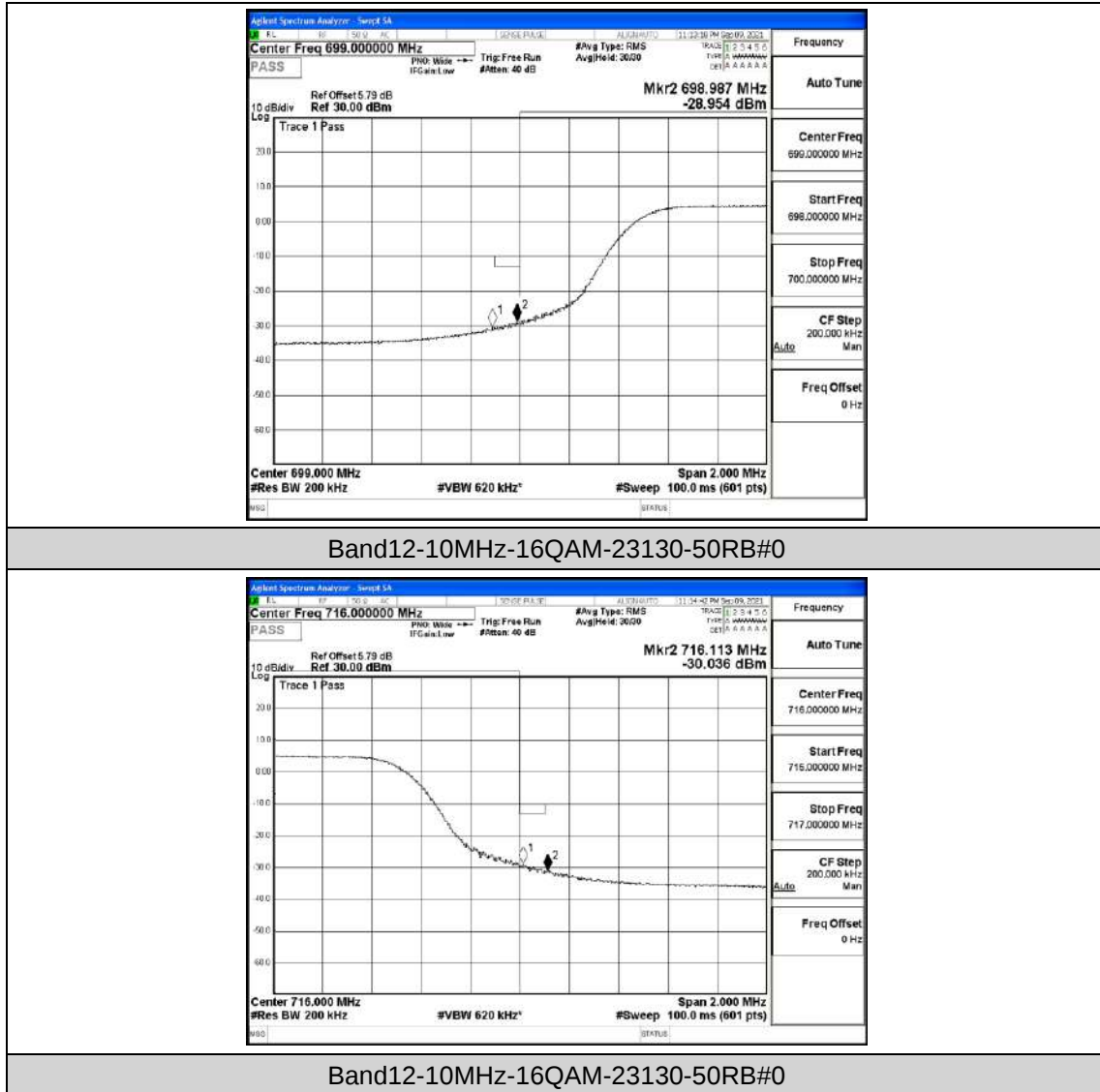
Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23130-50RB#0



Band12-10MHz-16QAM-23060-50RB#0



J.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:0.009~0.15MHz	-55.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	-50.41	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-41.6	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	-45.49	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.68	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.78	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-45.35	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-55.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-51.5	PASS



Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-42.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-55.26	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-51.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-42.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	-45.44	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.71	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.59	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-41.94	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-55.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-51.42	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-41.97	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	-45.39	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-54.86	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-52.39	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-41.75	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	-45.46	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.31	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.03	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.73	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-45.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	-56.28	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	-50.87	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	-41.59	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range4:1000~10000MHz	-45.53	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:0.009~0.15MHz	-56.97	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:0.15~30MHz	-52.03	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range3:30~1000MHz	-41.33	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range4:1000~10000MHz	-45.49	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.29	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-52.05	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-42.03	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:0.009~0.15MHz	-56.57	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:0.15~30MHz	-51.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range3:30~1000MHz	-42.46	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range4:1000~10000MHz	-45.46	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:0.009~0.15MHz	-55.65	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:0.15~30MHz	-51.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range3:30~1000MHz	-41.6	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range4:1000~10000MHz	-45.57	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-54.3	PASS

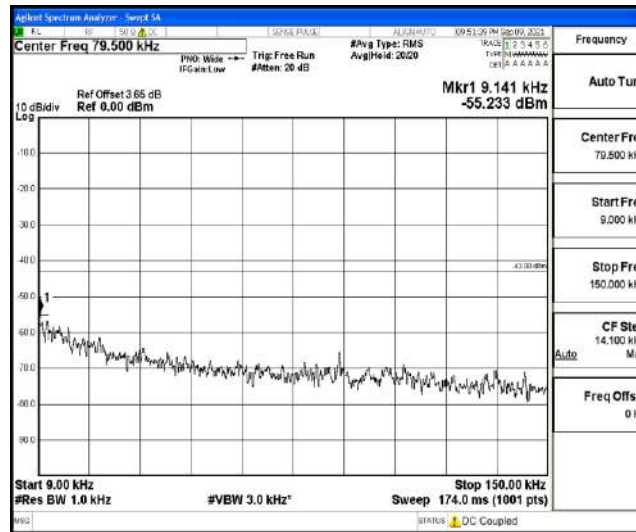


Band12	5MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.96	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.81	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-45.53	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:0.009~0.15MHz	-55.78	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:0.15~30MHz	-52.23	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range4:1000~10000MHz	-45.33	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:0.009~0.15MHz	-54.91	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:0.15~30MHz	-51.17	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range3:30~1000MHz	-41.36	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.39	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-52.01	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-42.07	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:0.009~0.15MHz	-56.49	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:0.15~30MHz	-51.19	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range3:30~1000MHz	-41.52	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range4:1000~10000MHz	-45.48	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-55.52	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-52.45	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range4:1000~10000MHz	-45.45	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.59	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.49	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.92	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-45.32	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-55.47	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-51.39	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-42.3	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range4:1000~10000MHz	-45.53	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-55.63	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-51.57	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-41.4	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range4:1000~10000MHz	-45.45	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.52	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.08	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.47	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-55.05	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-52.29	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-41.56	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range4:1000~10000MHz	-45.35	PASS

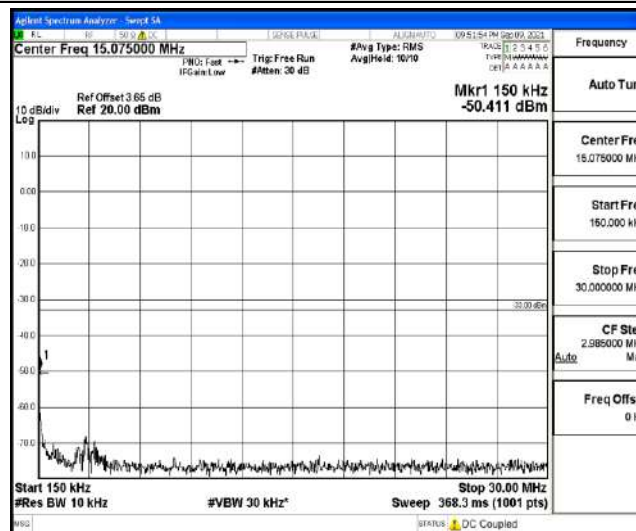


Test Graphs

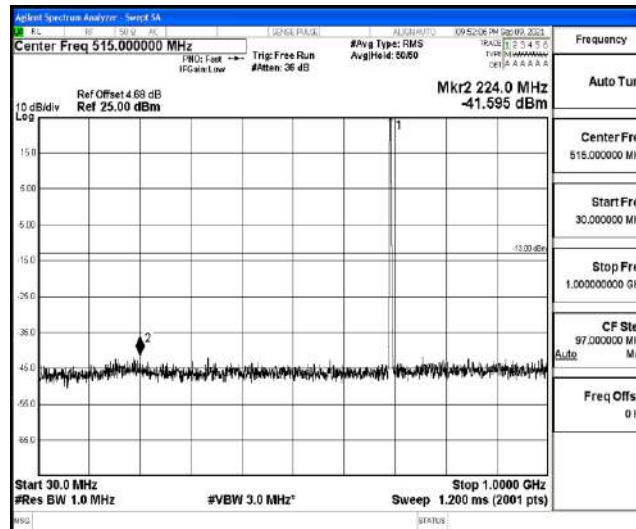
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:0.009~0.15MHz



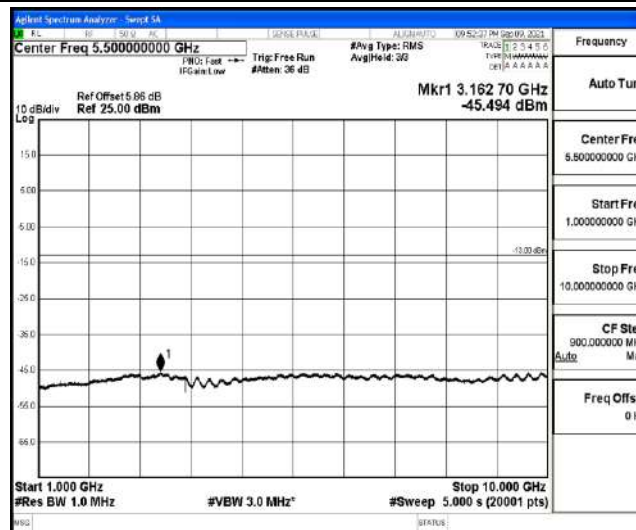
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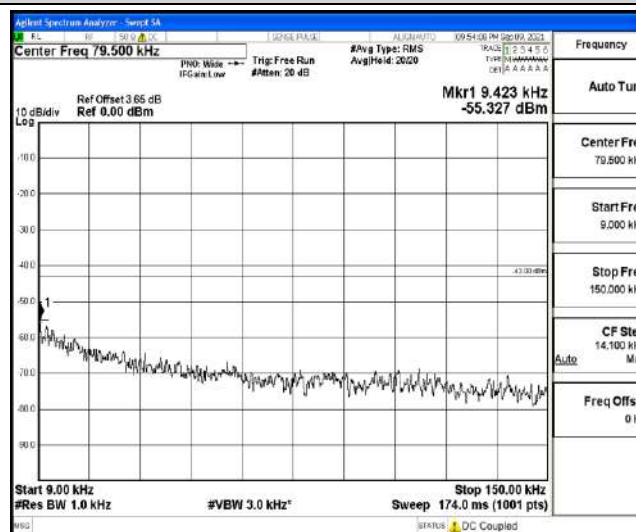
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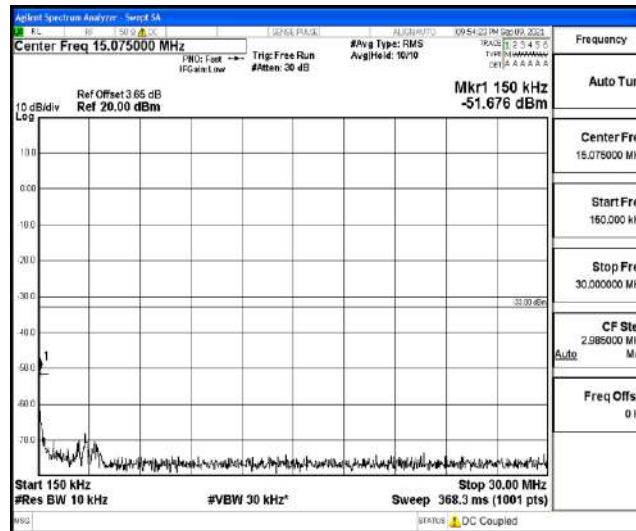
Band12-1.4MHz-QPSK-23017-1RB#0-Range4:1000~10000MHz



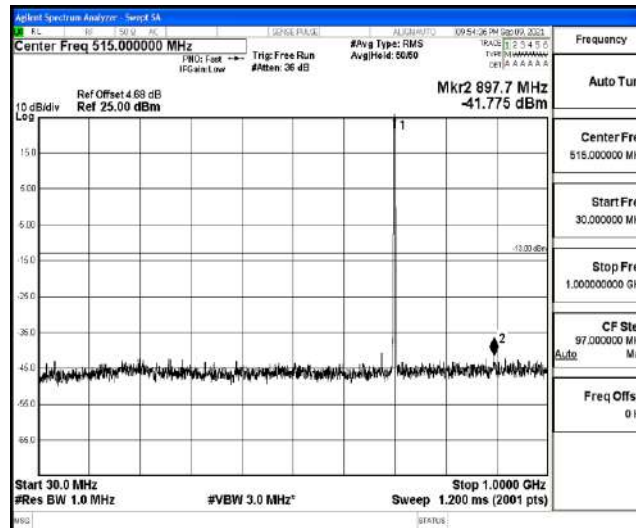
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



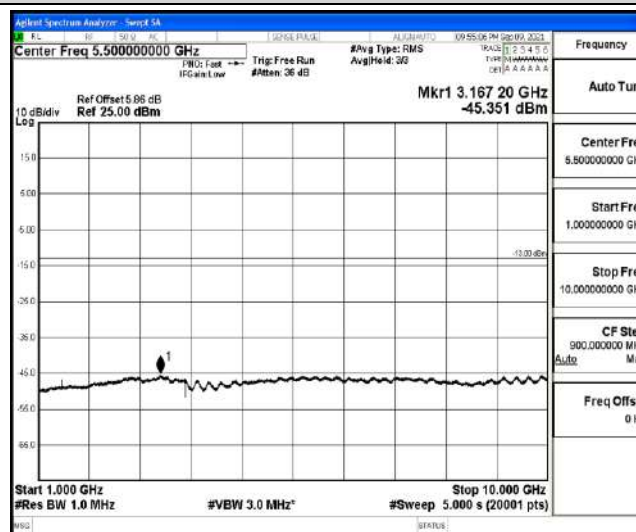
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



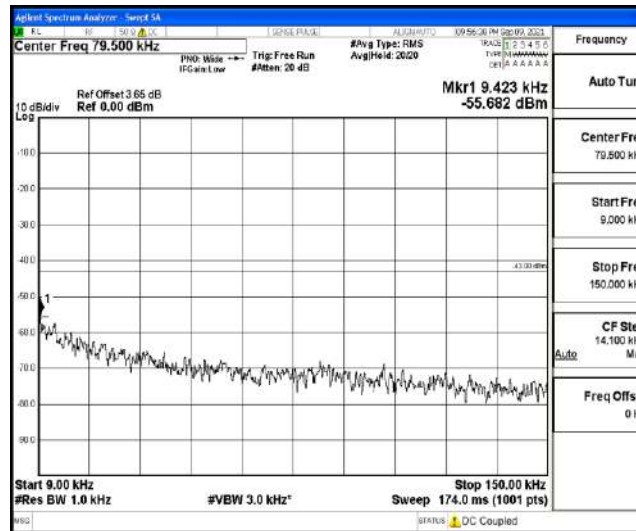
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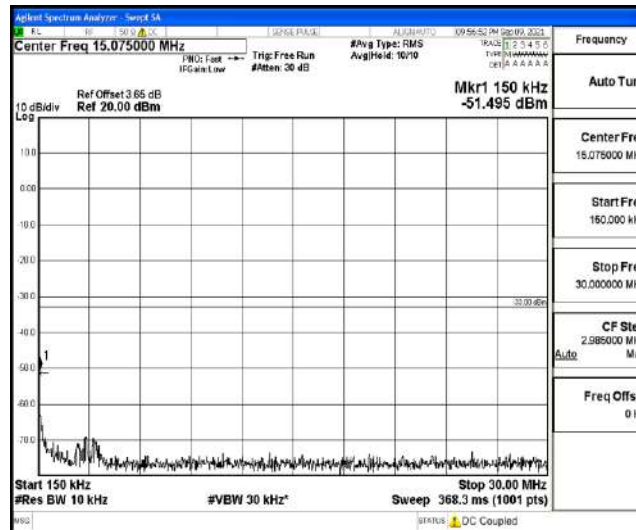
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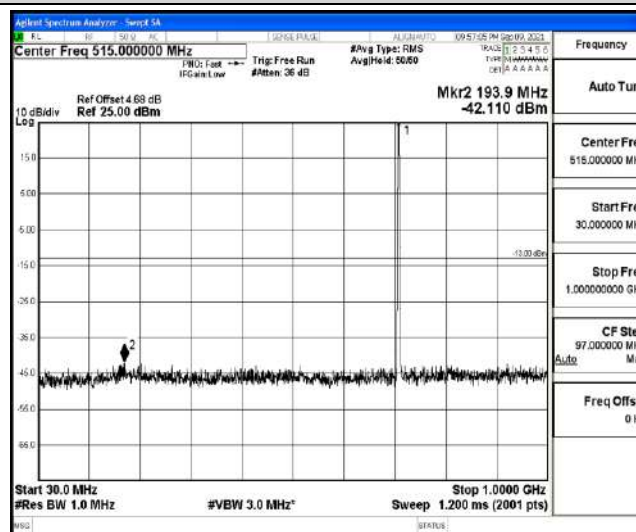
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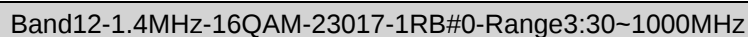
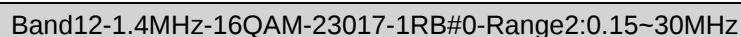
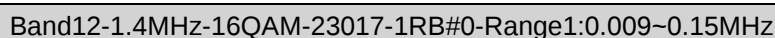
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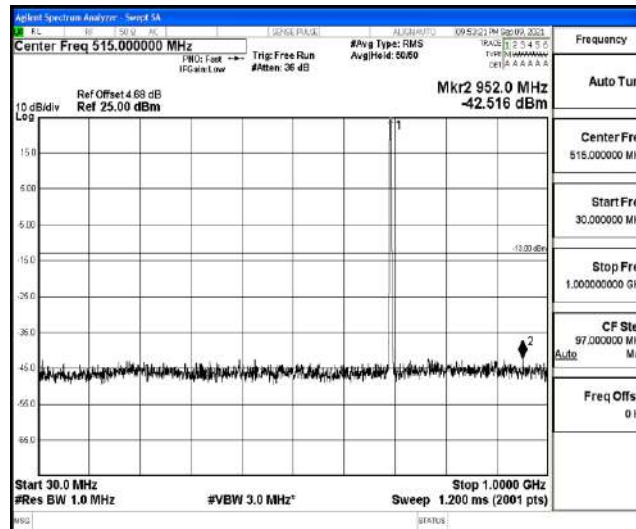


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Band12-1.4MHz-QPSK-23173-1RB#0-Range4:1000~10000MHz

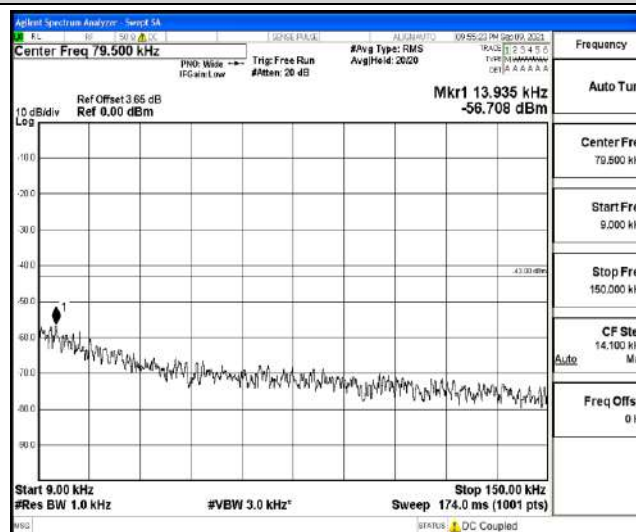




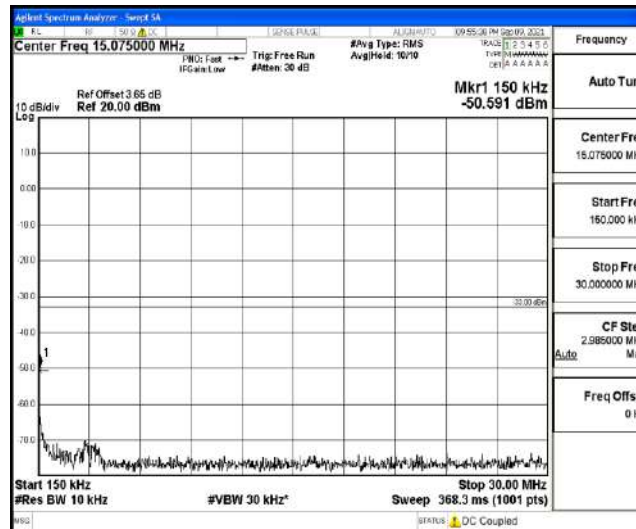
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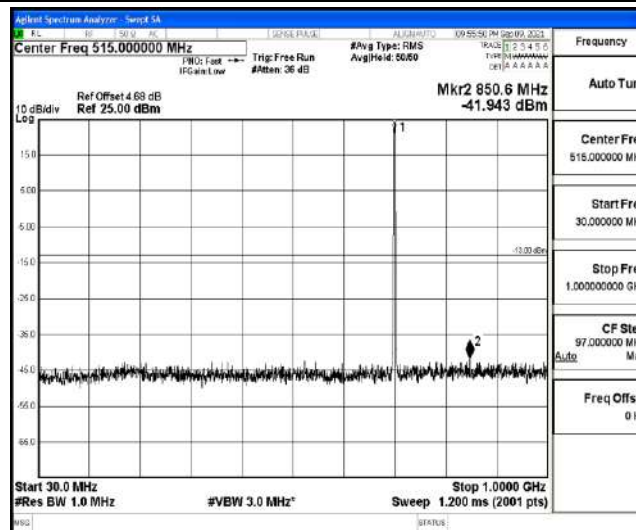
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Band12-1.4MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



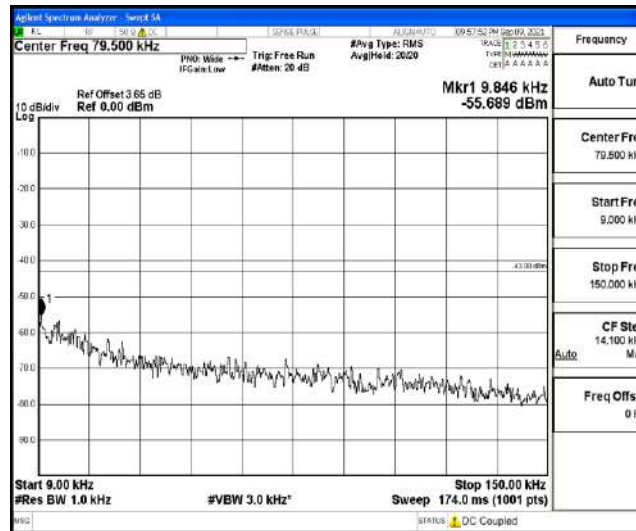
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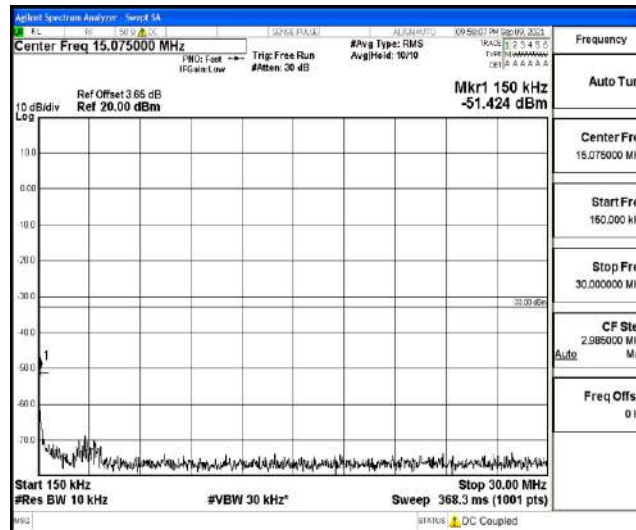
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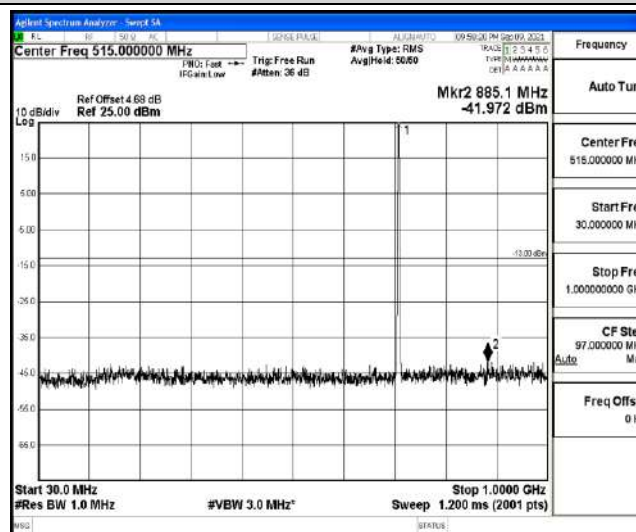
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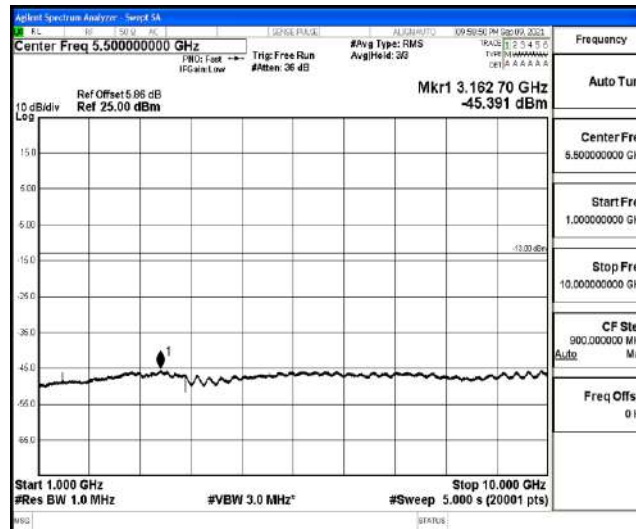
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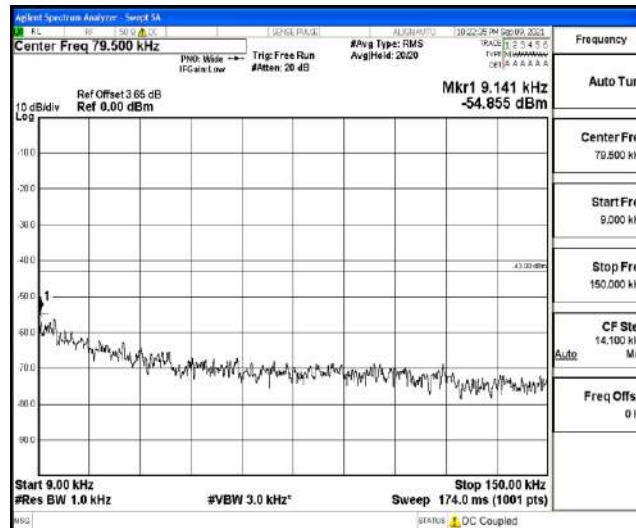
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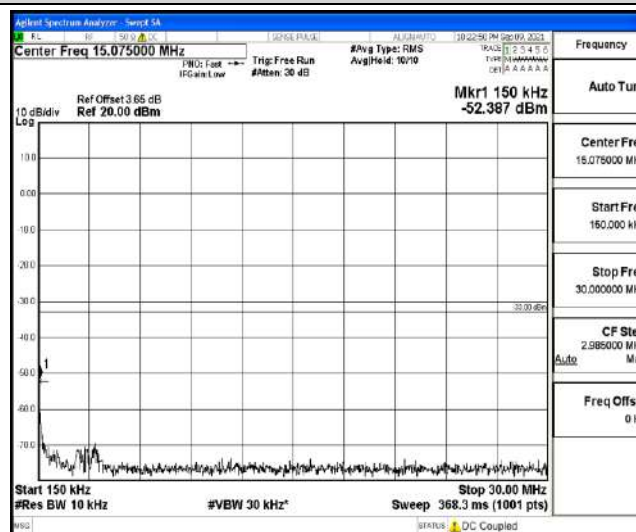
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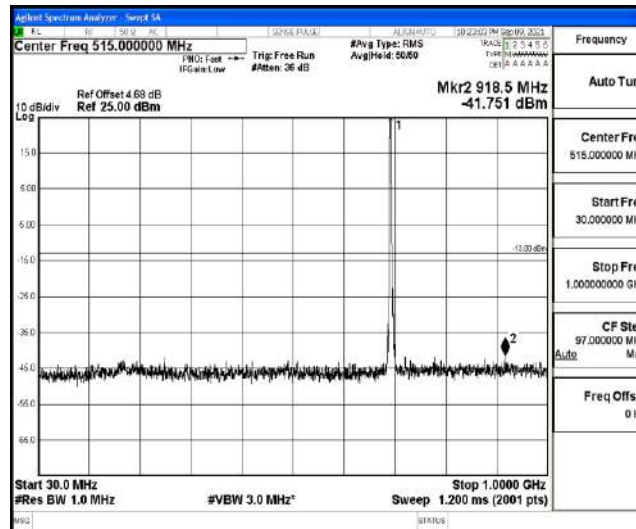
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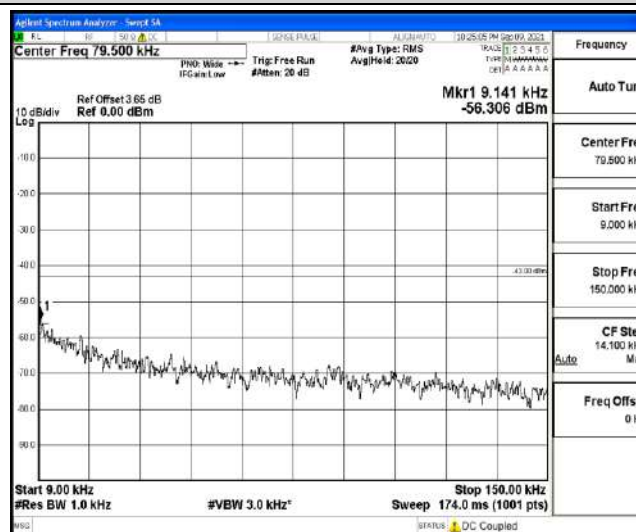
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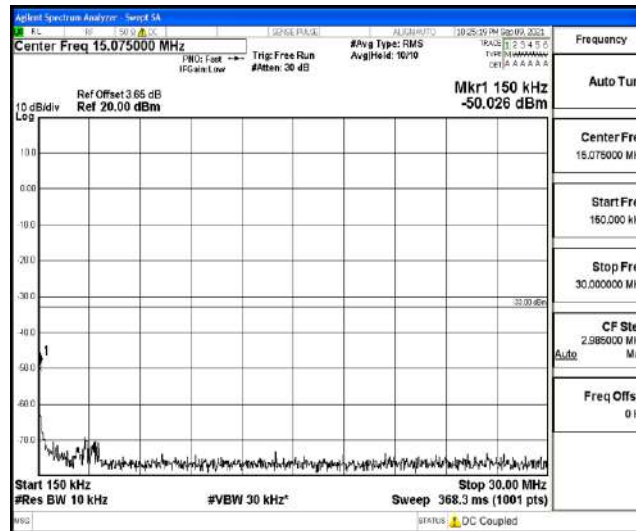
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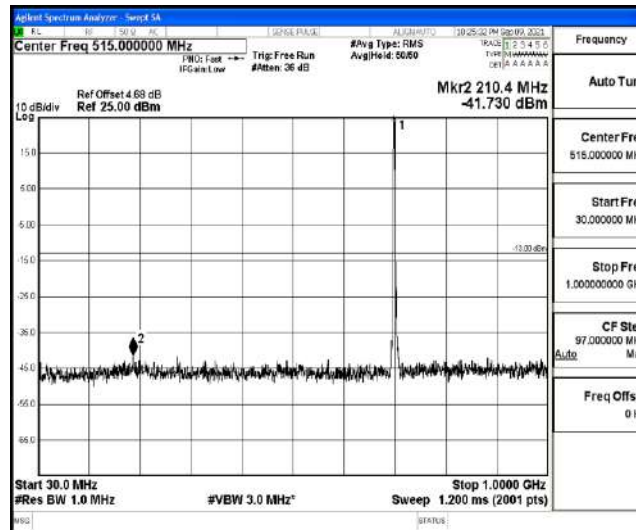
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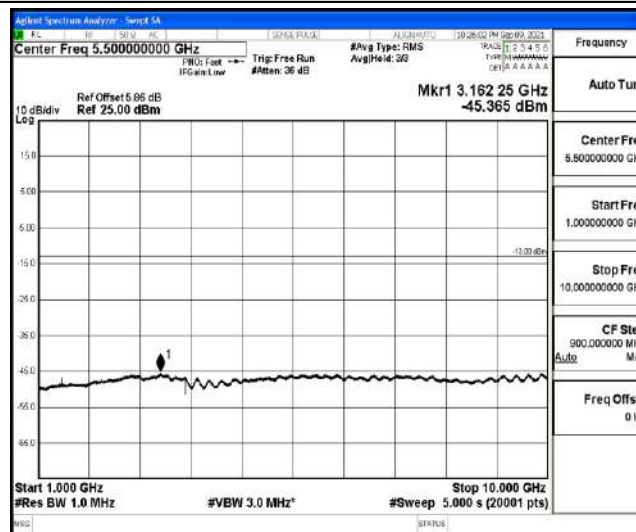
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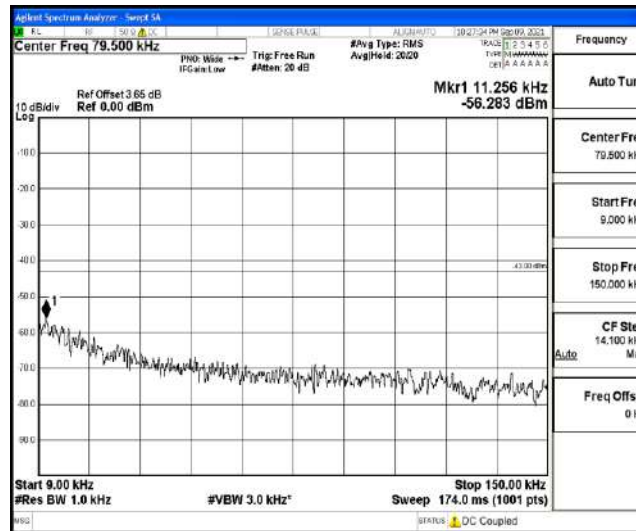
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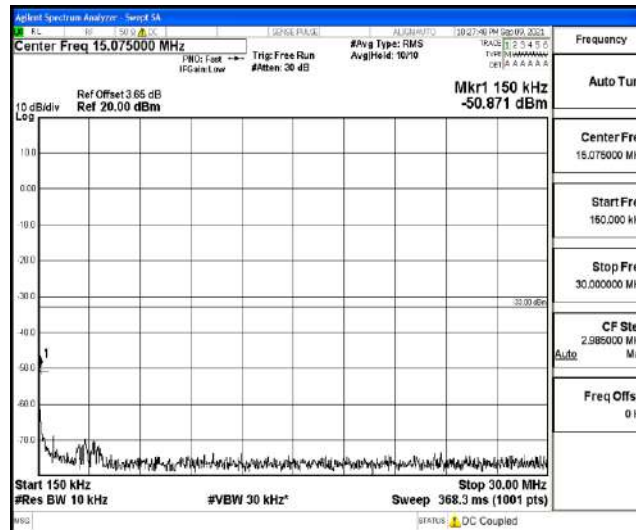
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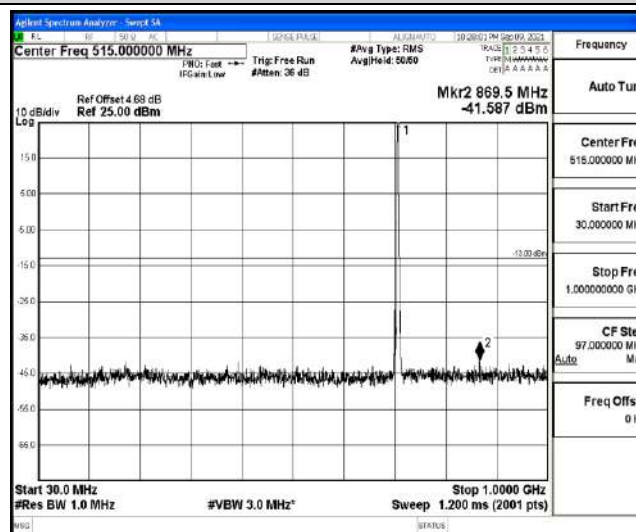
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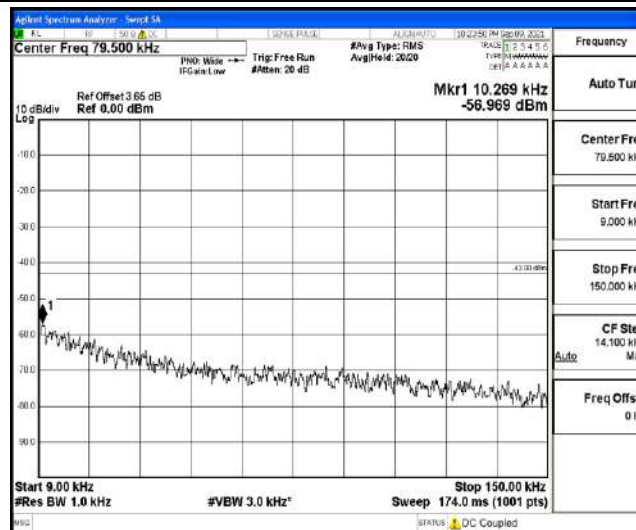
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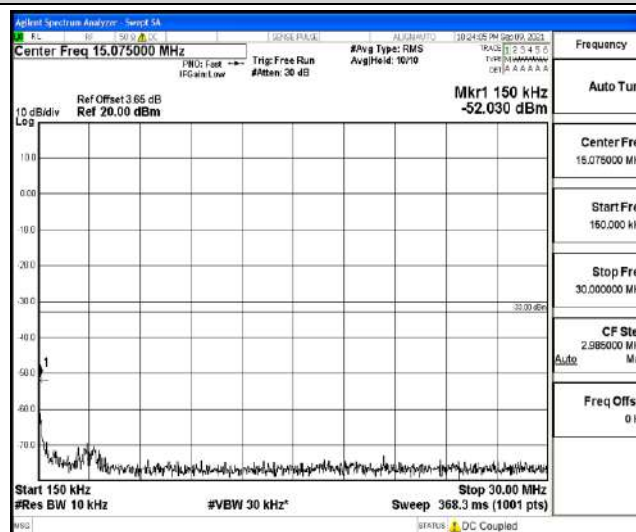
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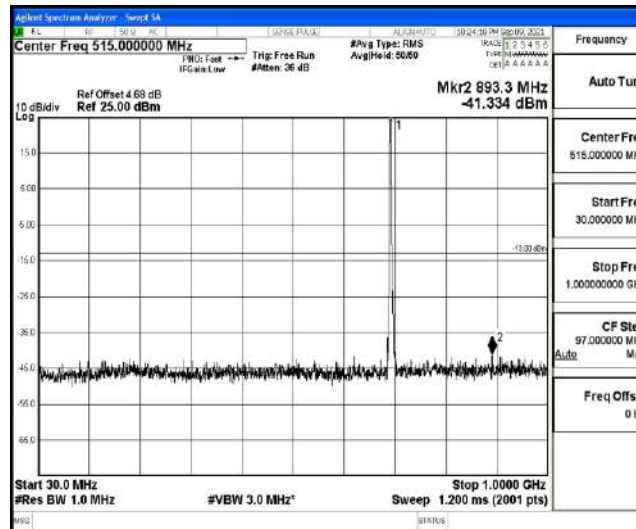
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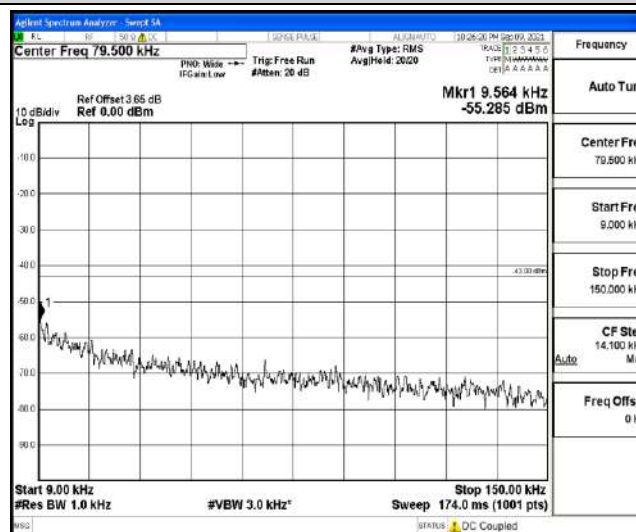
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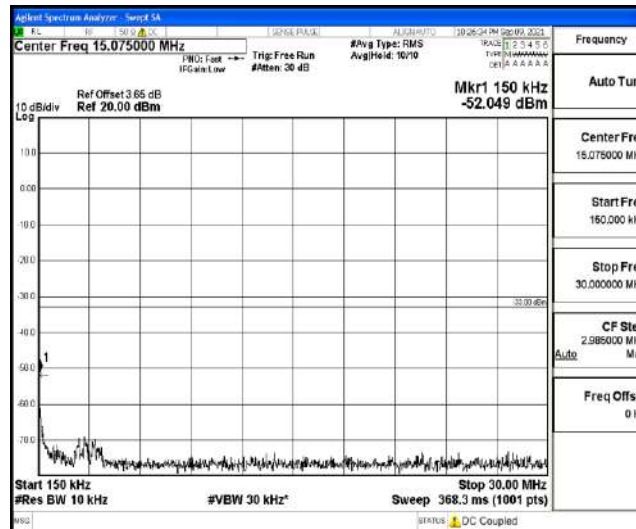
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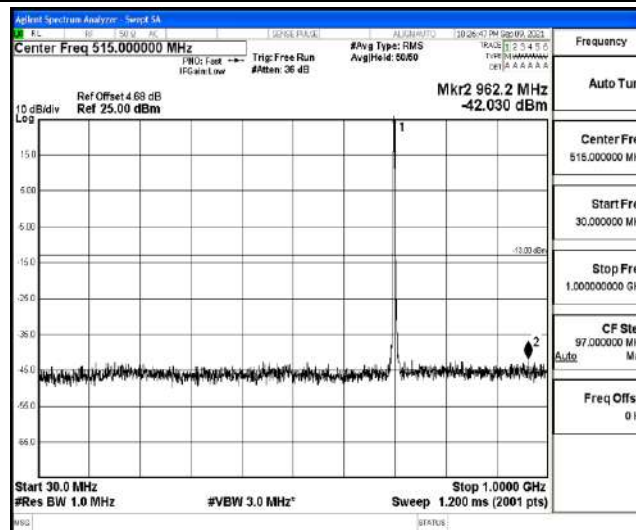
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Band12-3MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



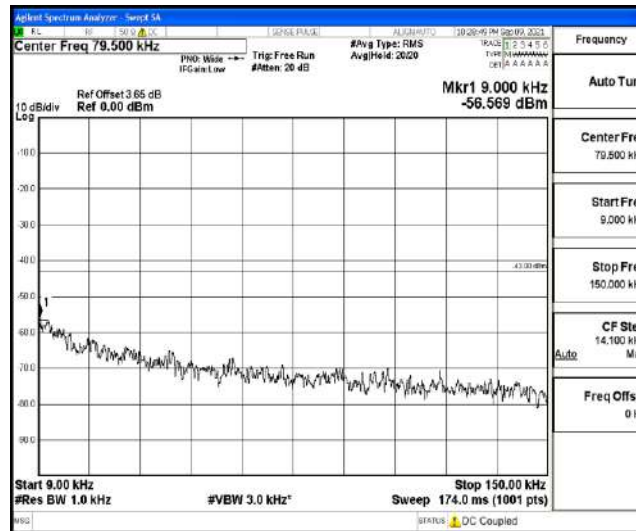
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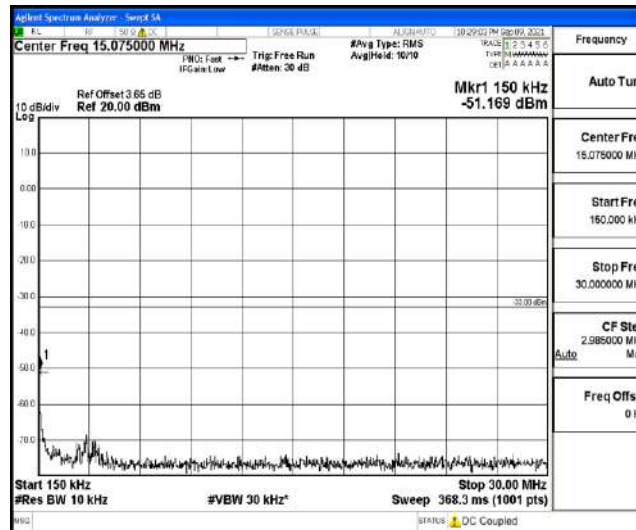
Band12-3MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz



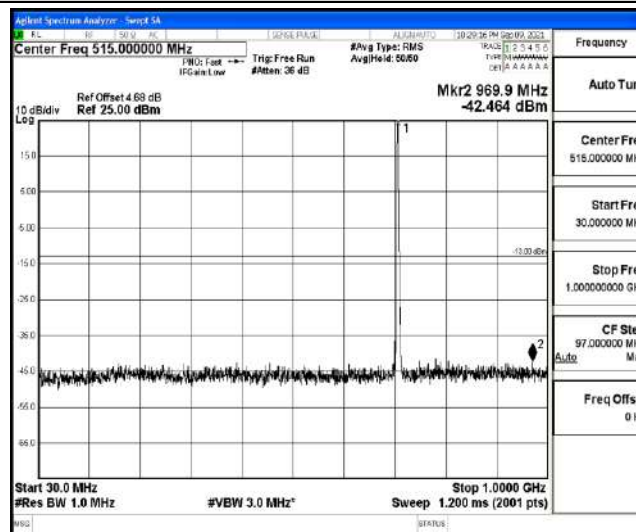
Band12-3MHz-16QAM-23165-1RB#0-Range1:0.009~0.15MHz



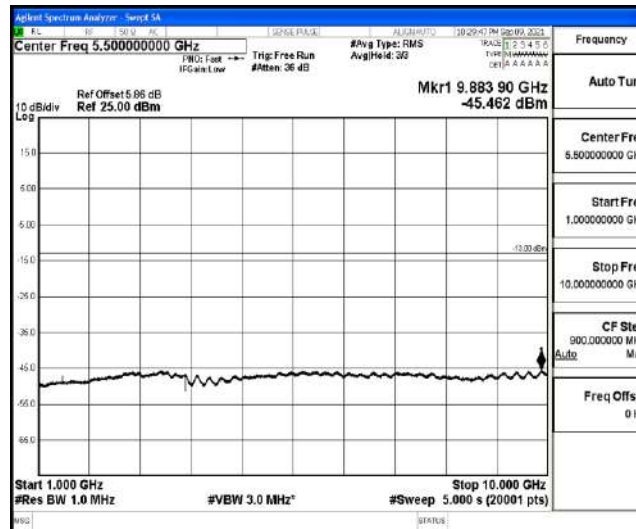
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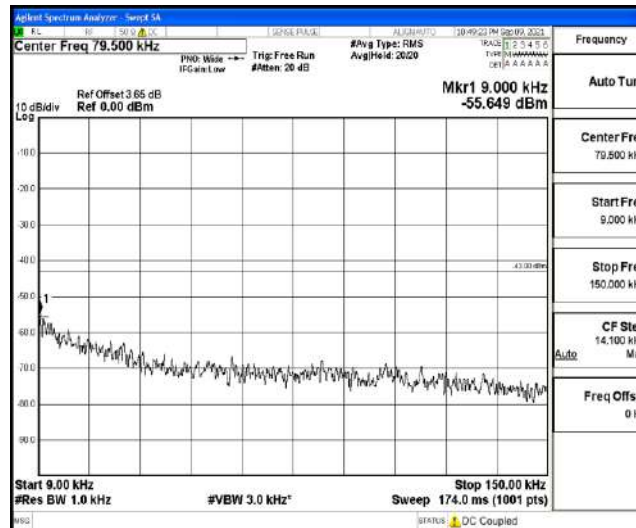
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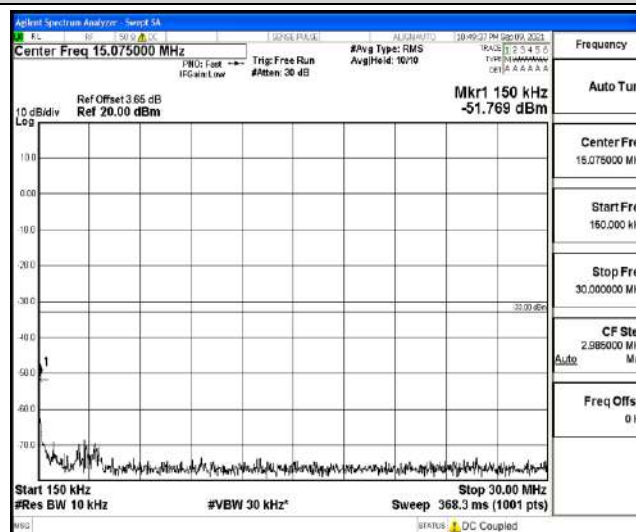
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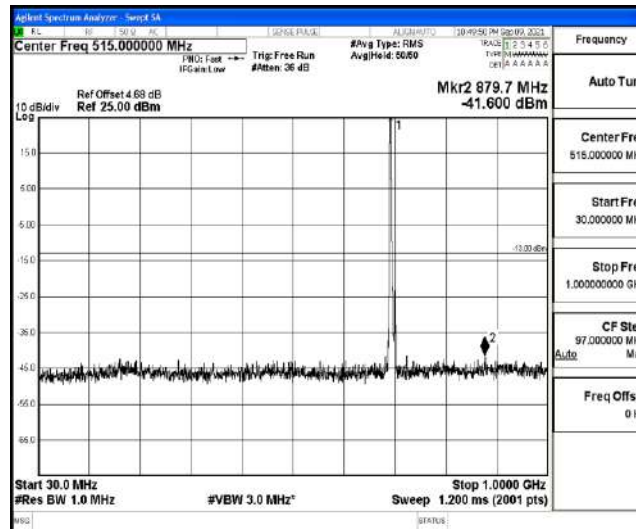
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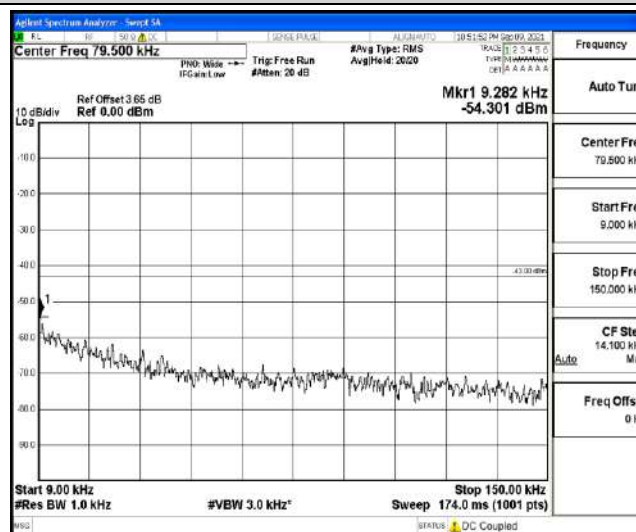
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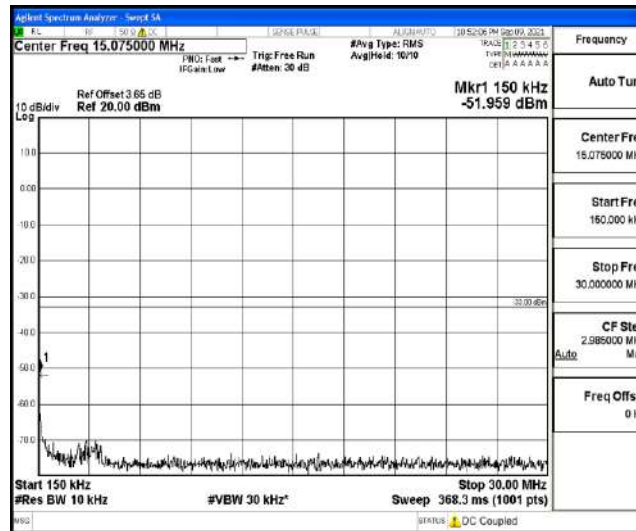
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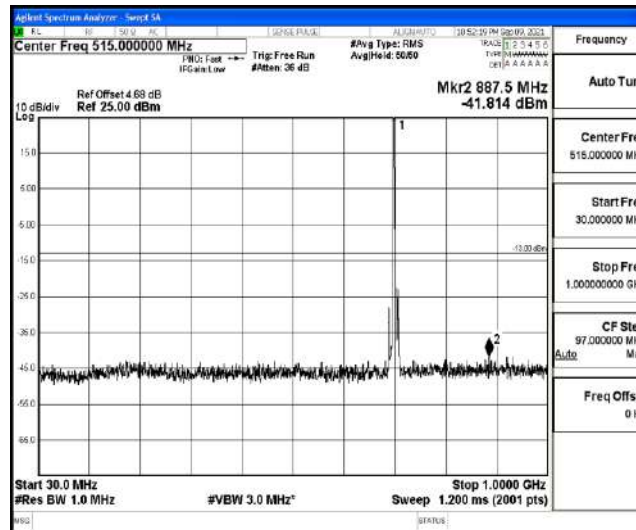
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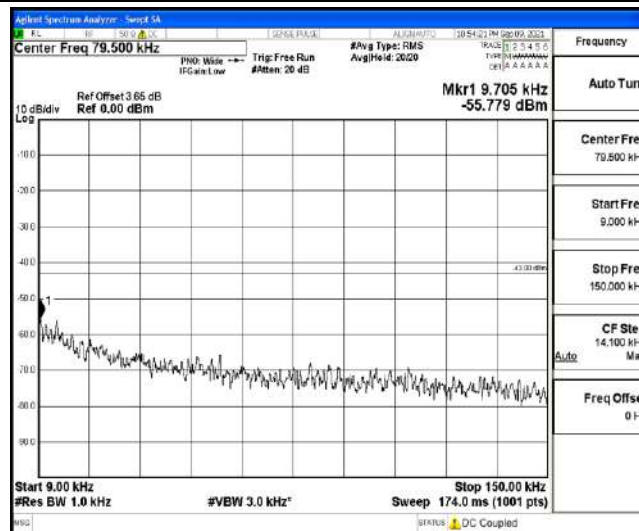
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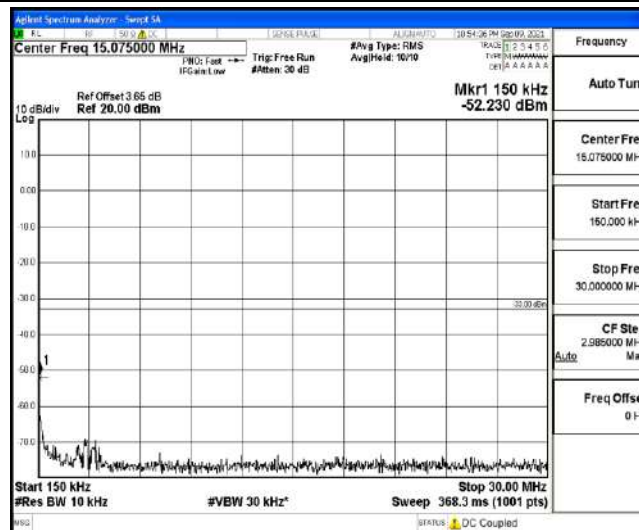
Band12-5MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



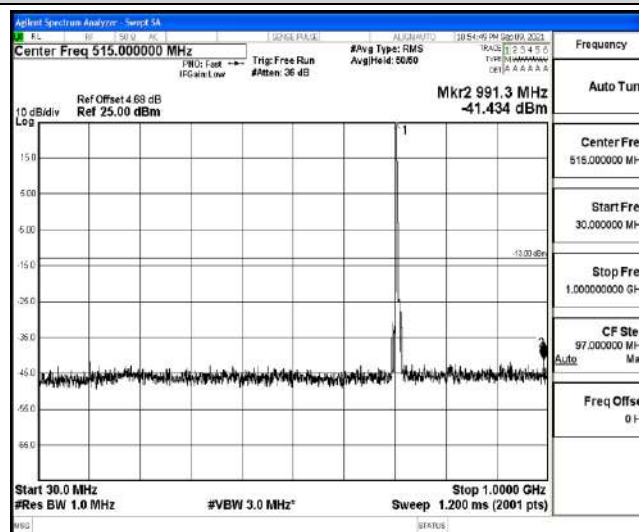
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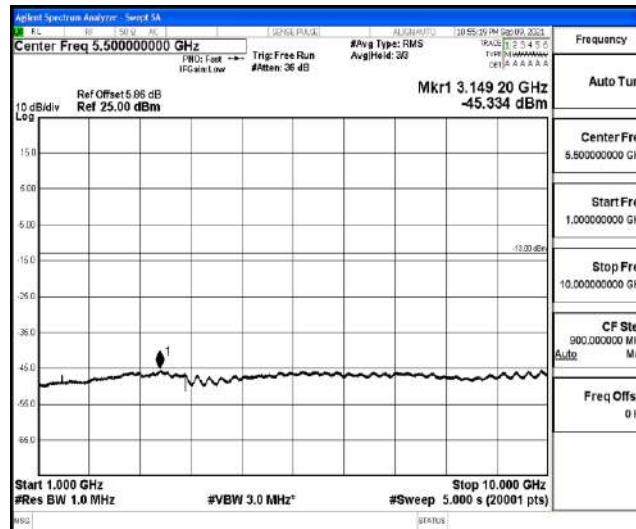
Band12-5MHz-QPSK-23155-1RB#0-Range2:0.15~30MHz



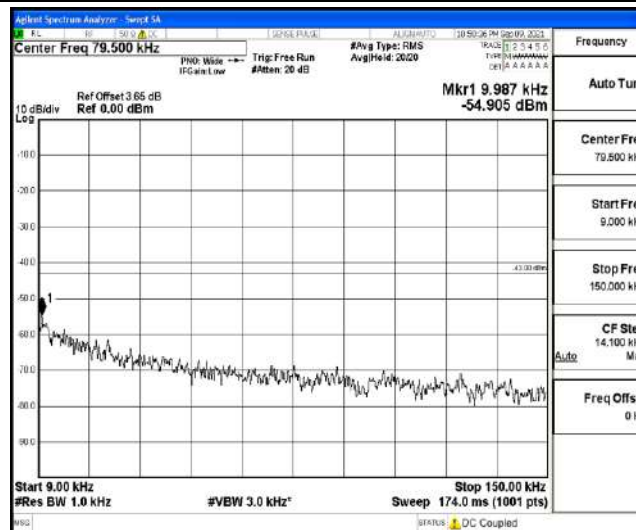
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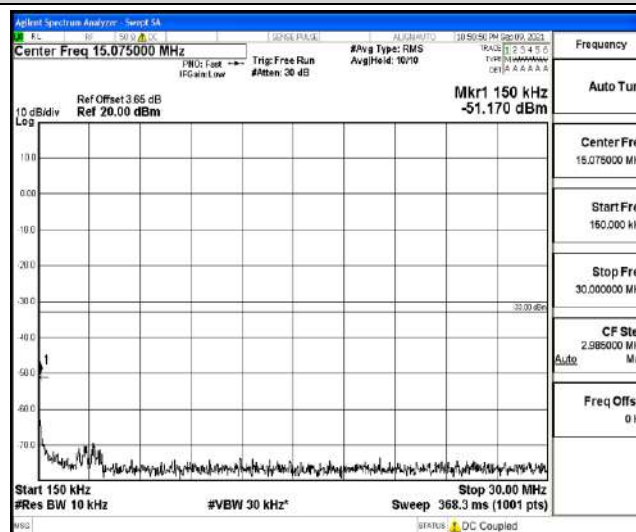
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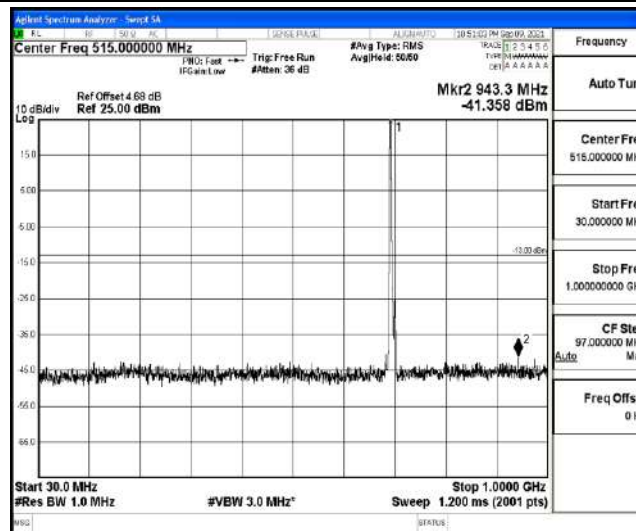
Band12-5MHz-16QAM-23035-1RB#0-Range1:0.009~0.15MHz



Band12-5MHz-16QAM-23035-1RB#0-Range2:0.15~30MHz



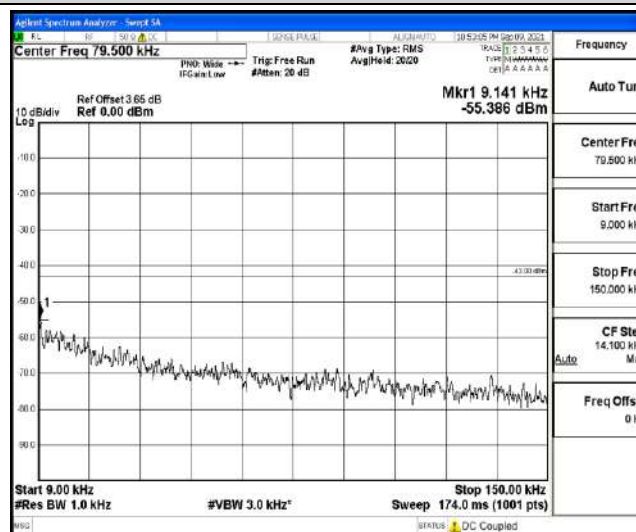
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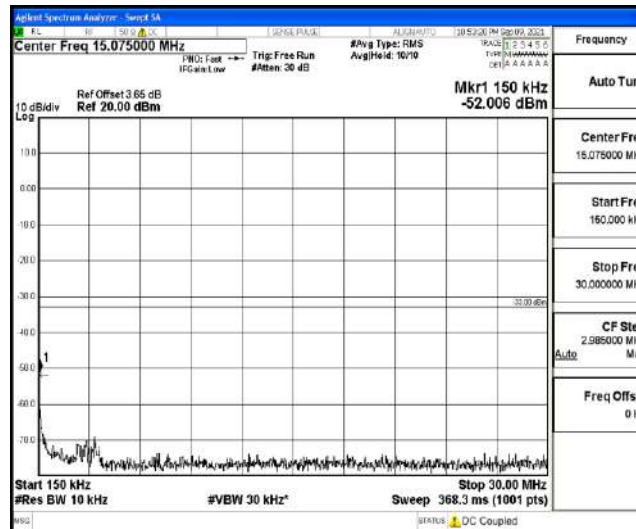
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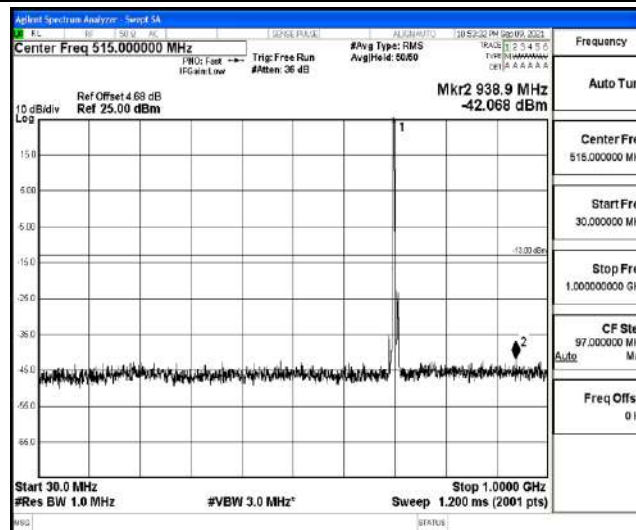
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Band12-5MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



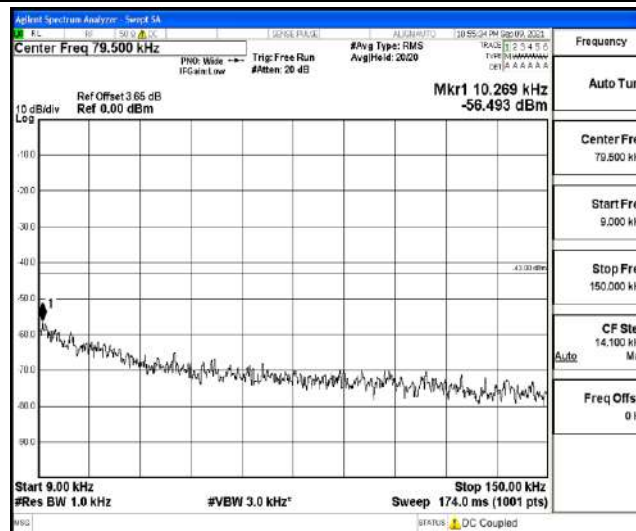
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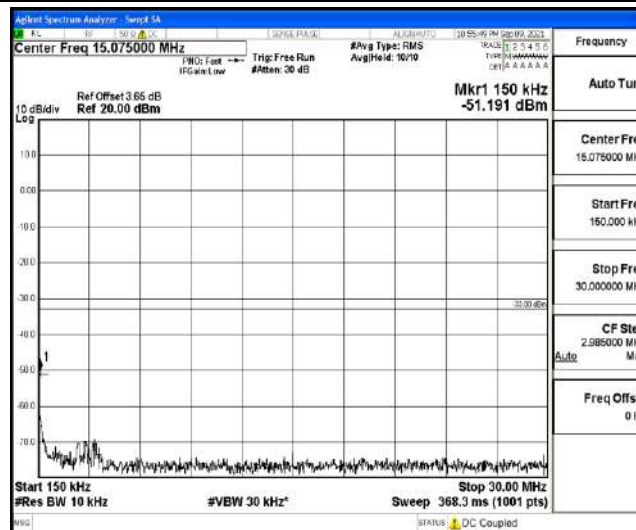
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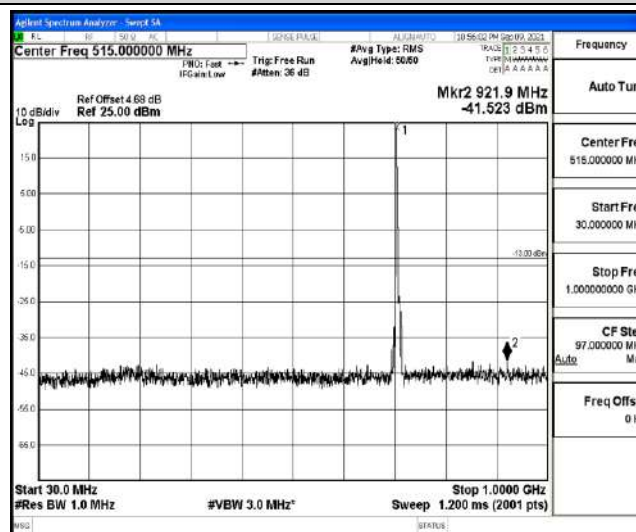
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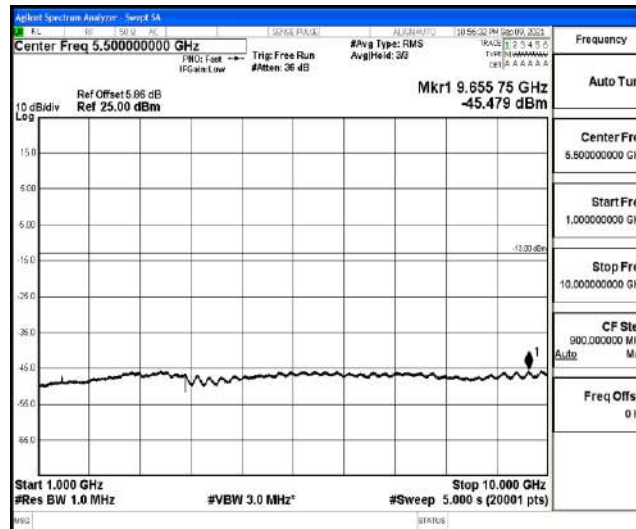
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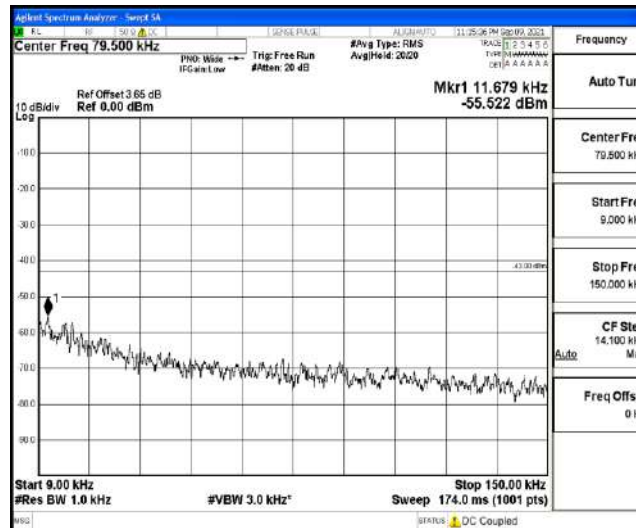
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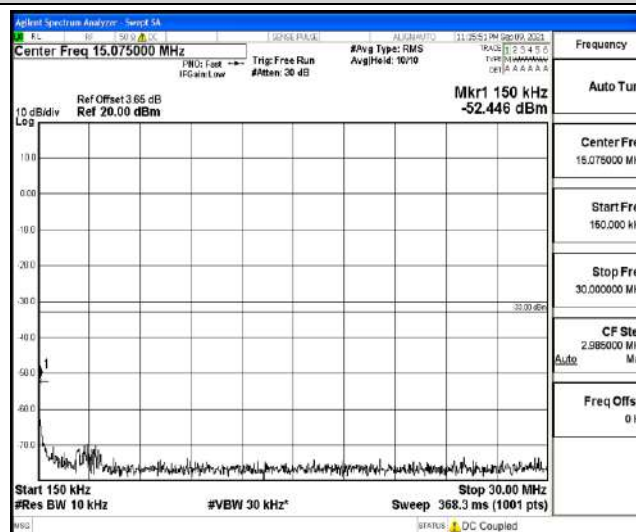
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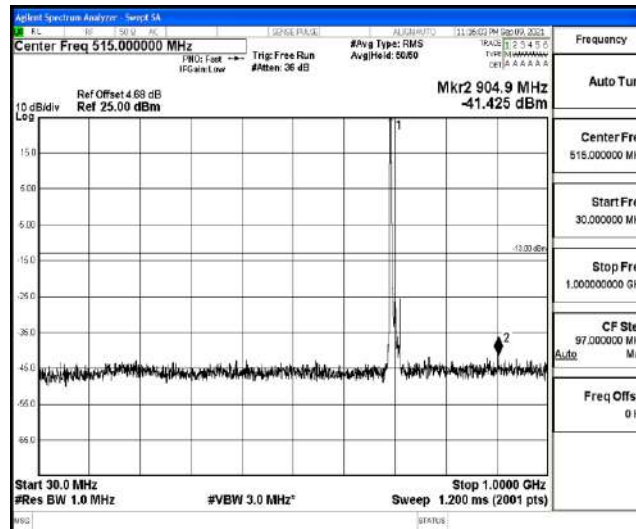
Band12-10MHz-QPSK-23060-1RB#0-Range1:0.009~0.15MHz



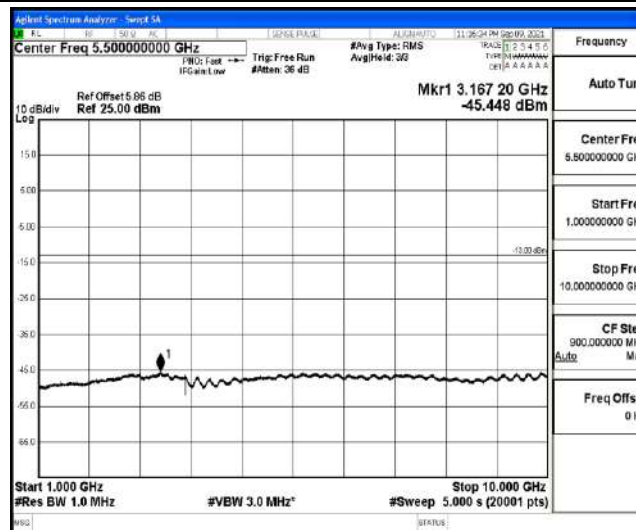
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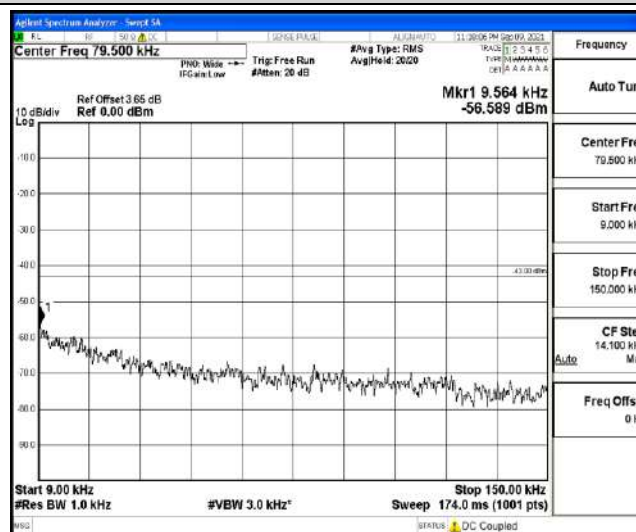
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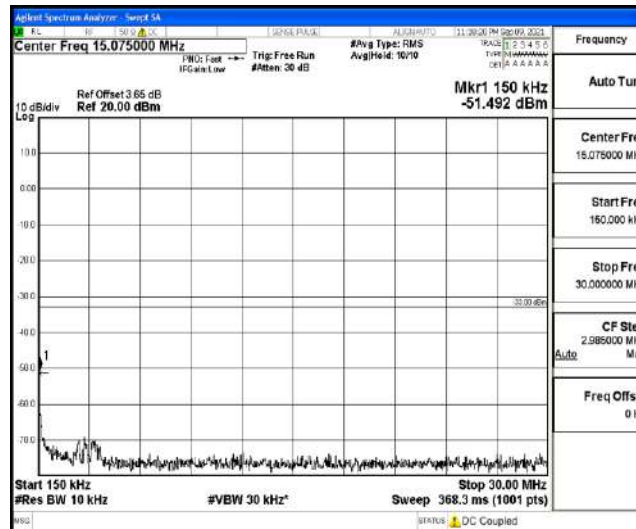
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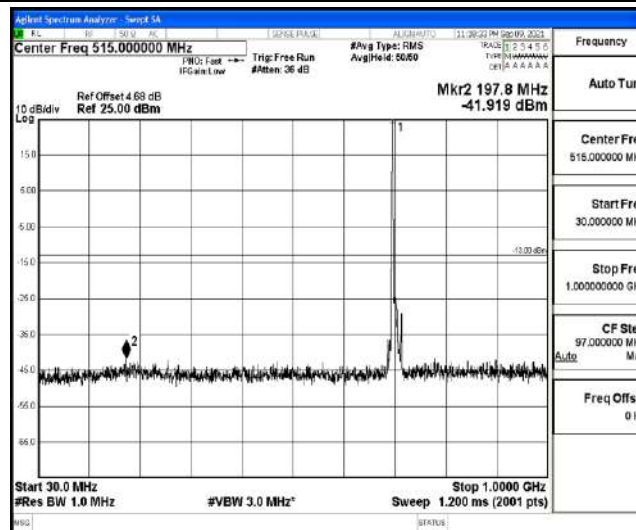
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Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



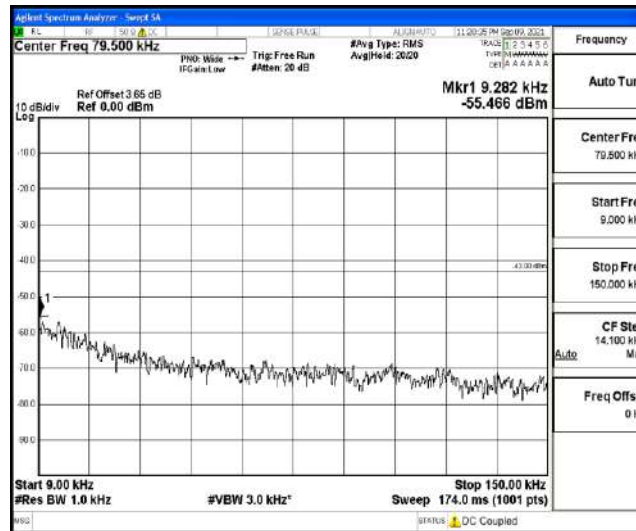
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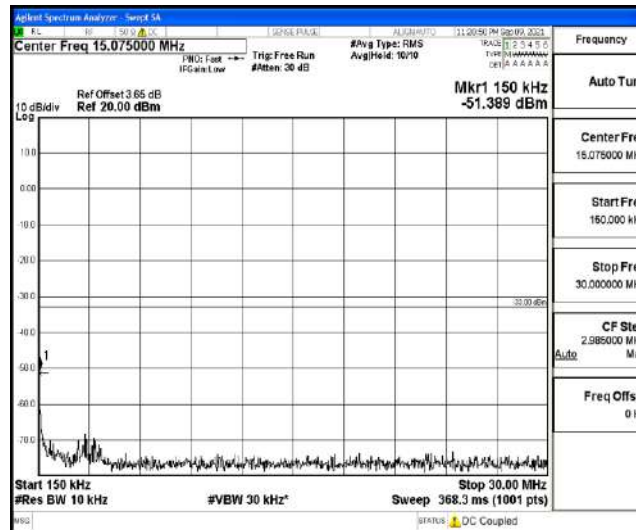
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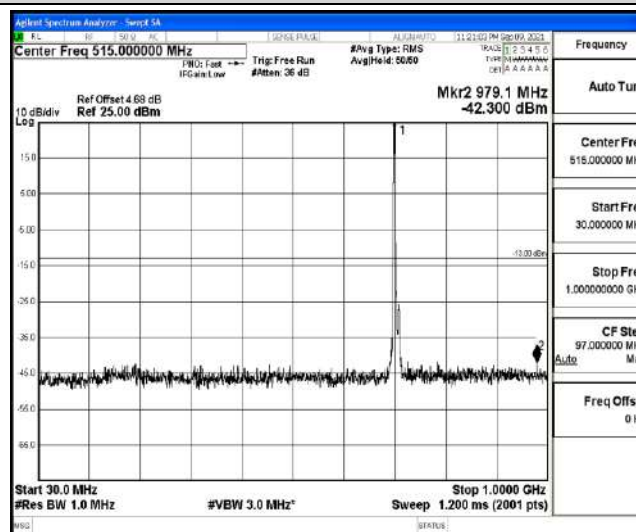
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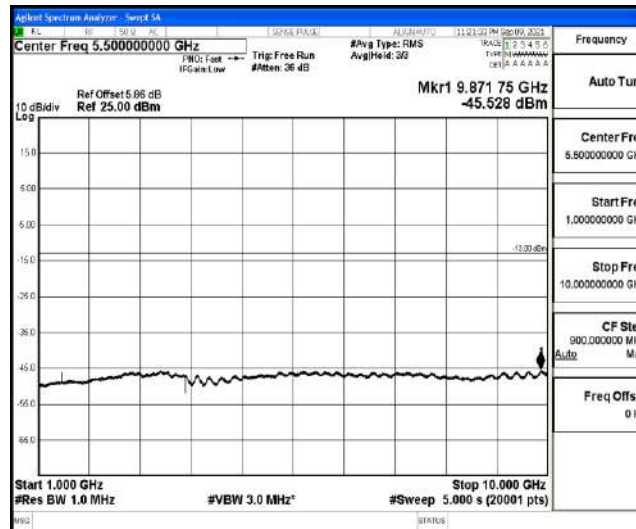
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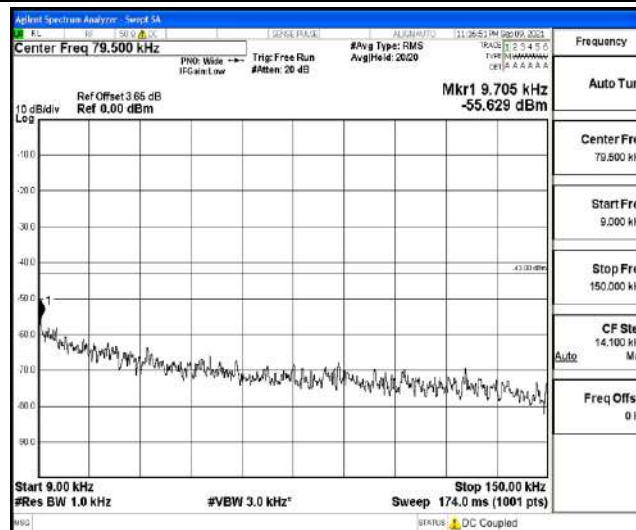
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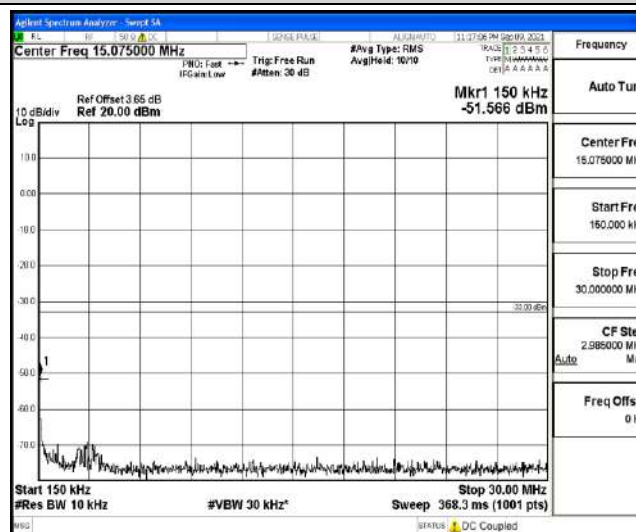
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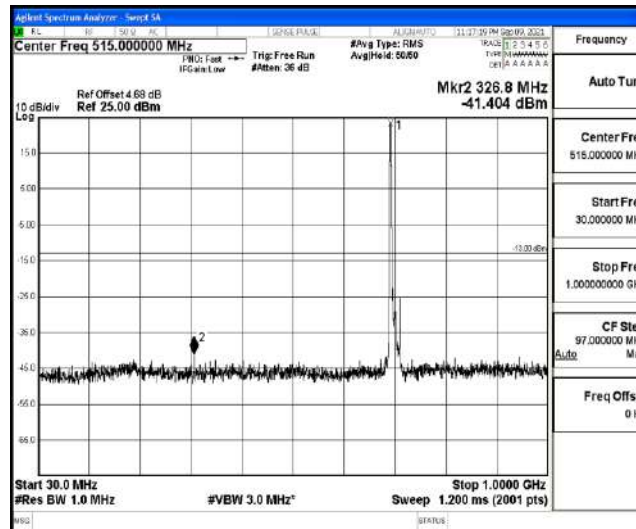
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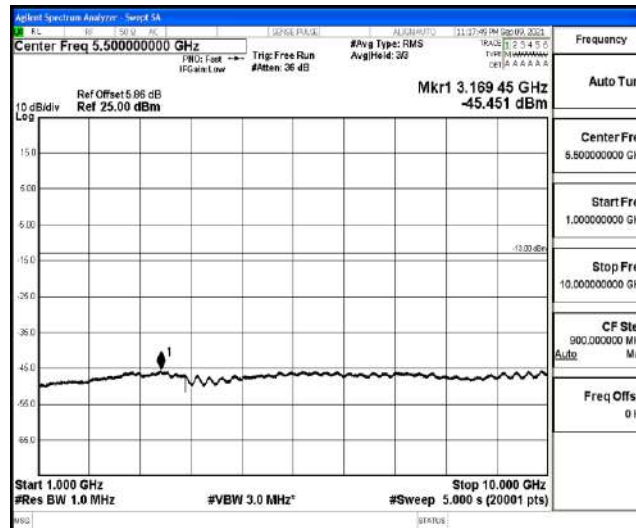
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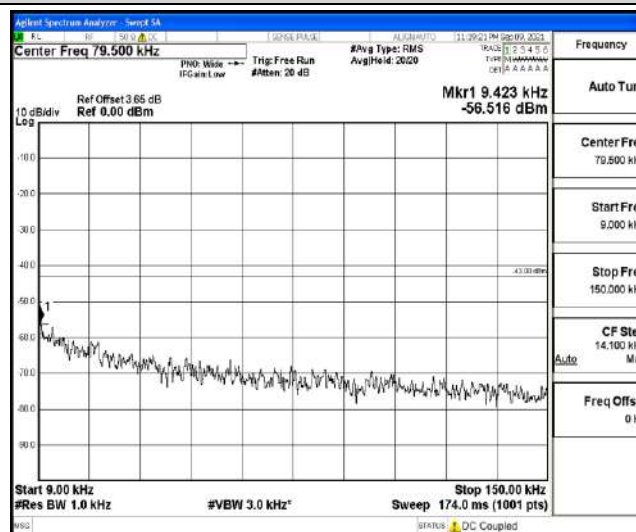
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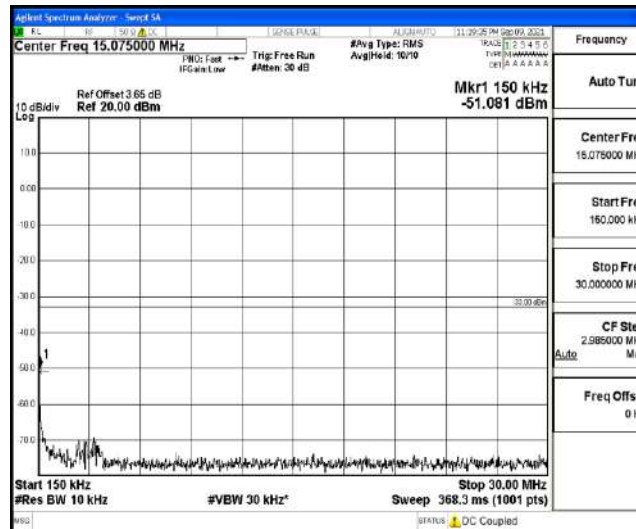
Band12-10MHz-16QAM-23060-1RB#0-Range4:1000~10000MHz



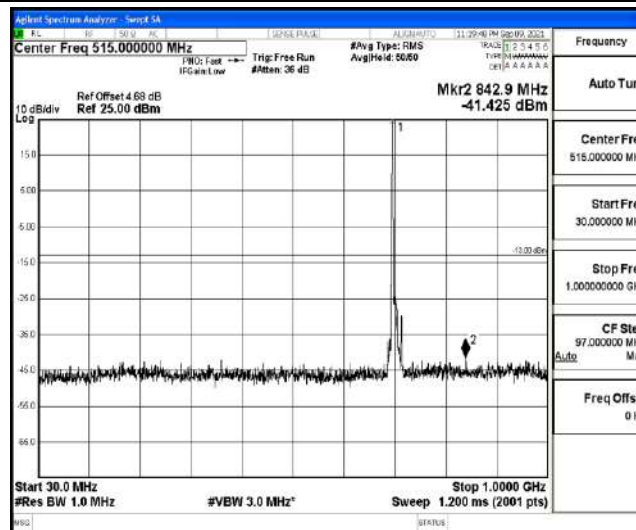
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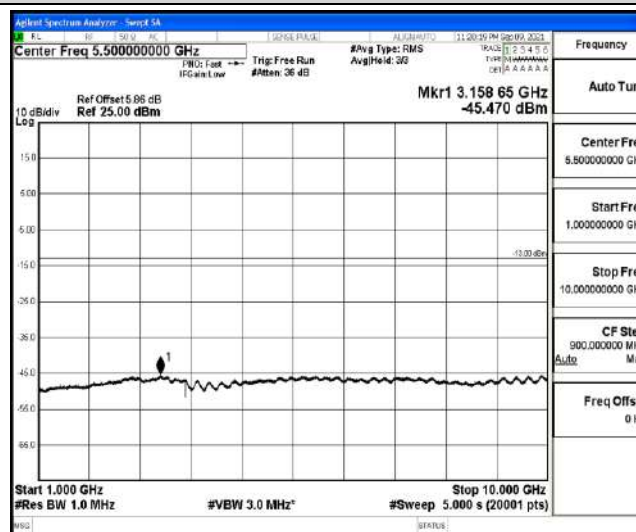
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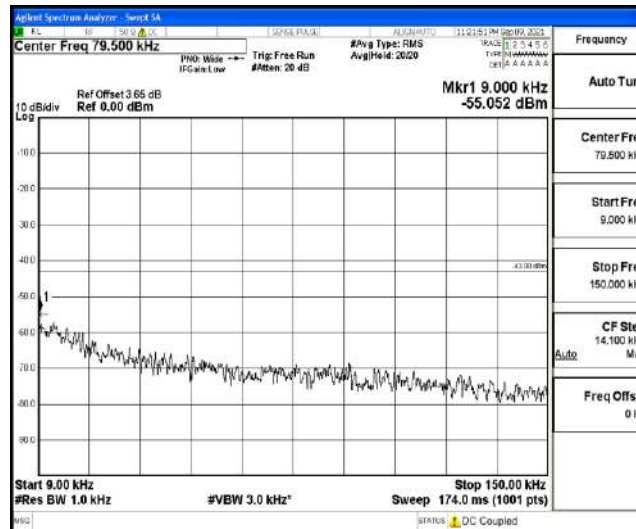
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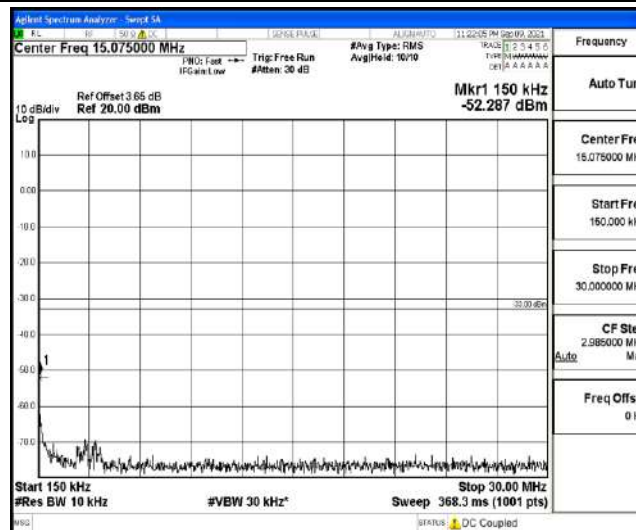
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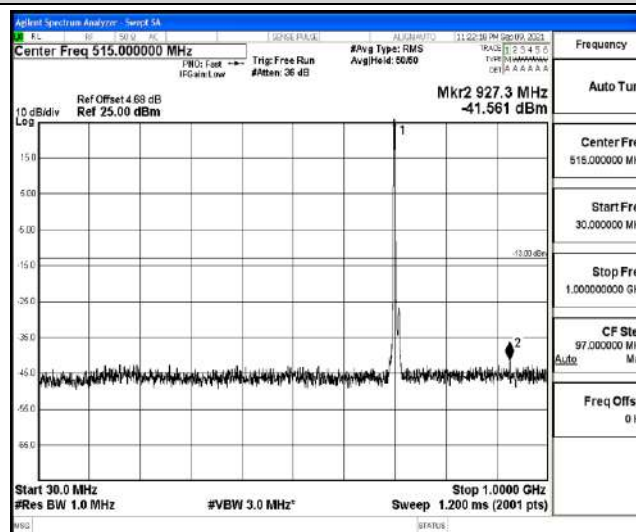
Band12-10MHz-16QAM-23130-1RB#0-Range1:0.009~0.15MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:0.15~30MHz



Band12-10MHz-16QAM-23130-1RB#0-Range3:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range4:1000~10000MHz

