

Appendix Test Data

Report No.:	18220WC20274307	Test Sample No.:	1-2-1
Start Test Date:	2022.11.30	Finish Test Date:	2022.12.29
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.7℃	Relative Humidity:	36 %
Pressure:	1012 hPa		

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.39	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.28	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.18	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.17	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.16	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.27	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.11	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.20	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.13	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.11	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.13	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.15	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.17	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.04	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.04	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.08	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.08	PASS



Band12	1.4MHz	16QAM	23017	1RB#0	23.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.41	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.22	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.09	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.07	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.98	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.29	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.15	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.31	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.13	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.02	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.00	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.00	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.23	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.04	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.08	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.94	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.90	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.89	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.17	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.15	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.18	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.23	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.24	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.22	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.19	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.18	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.10	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.08	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.14	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.05	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.12	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.10	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.08	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.03	PASS

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Band12	3MHz	QPSK	23165	1RB#14	24.08	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.08	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.06	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.01	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.96	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.25	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.25	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.23	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.22	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.22	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.18	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.19	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.27	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.16	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.14	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.14	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.10	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.13	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.01	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.87	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.88	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.97	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.06	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.01	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.96	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.85	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.17	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.25	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.20	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.22	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.27	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.13	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.15	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.09	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.14	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.07	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.09	PASS

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Band12	5MHz	QPSK	23095	12RB#6	23.09	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.17	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.15	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.06	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.10	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.05	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.14	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.11	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.90	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.11	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.08	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.12	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.15	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.21	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.25	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.06	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.18	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.26	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.27	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.14	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.14	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.13	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.16	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.14	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.92	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.04	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.98	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.10	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.11	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.90	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.04	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.17	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.29	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.12	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.29	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.34	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.35	PASS

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Band12	10MHz	QPSK	23060	50RB#0	23.29	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.14	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.18	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.09	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.11	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.11	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.15	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.09	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.10	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.20	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.12	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.00	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.99	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.86	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.25	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.38	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.20	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.30	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.31	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.32	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.29	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.26	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.23	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.05	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.17	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.15	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.10	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.16	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.99	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.95	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.97	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.99	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.98	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.86	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.82	PASS

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

Test Result

Band	Bandwidth h	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.88	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.44	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.77	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.99	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.58	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.09	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.62	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.30	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.84	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.82	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.35	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.76	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.91	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.53	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.64	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.02	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.76	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.81	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.90	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.40	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.85	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.54	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.61	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.89	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.79	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.08	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.06	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.82	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.59	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.58	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.49	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.33	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.74	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.43	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.37	13	PASS

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Band12	10MHz	QPSK	23060	1RB#0	3.93	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.00	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.41	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.79	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.41	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.79	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.97	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.60	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.21	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.58	13	PASS

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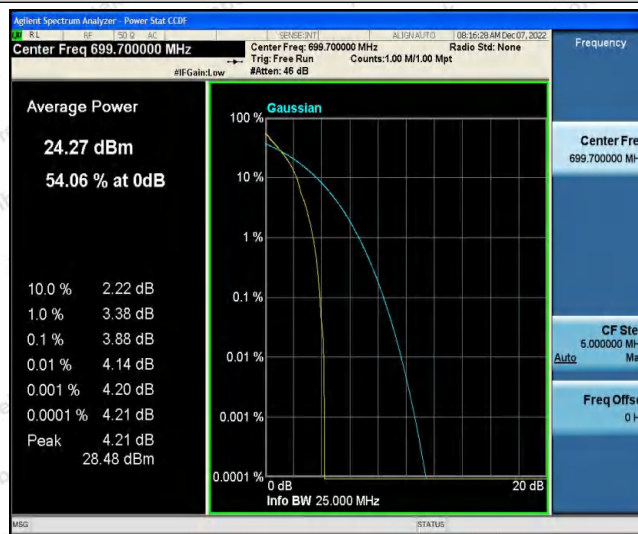


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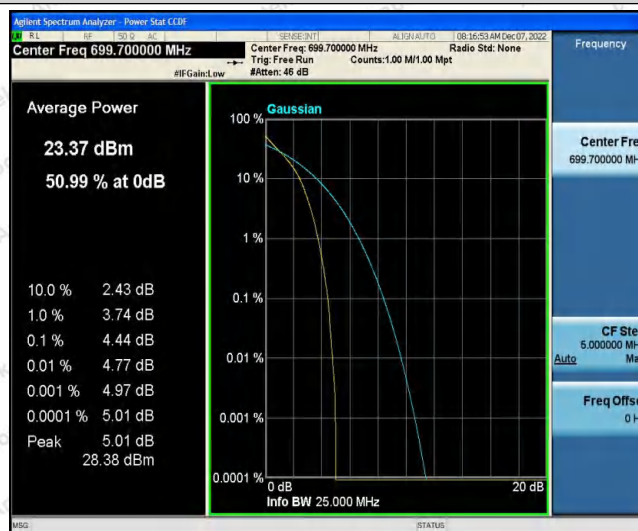


Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



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



Band12-1.4MHz-QPSK-23095-1RB#0

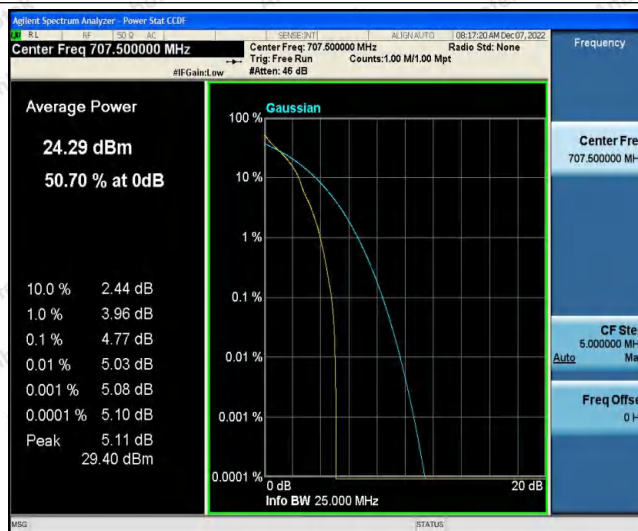
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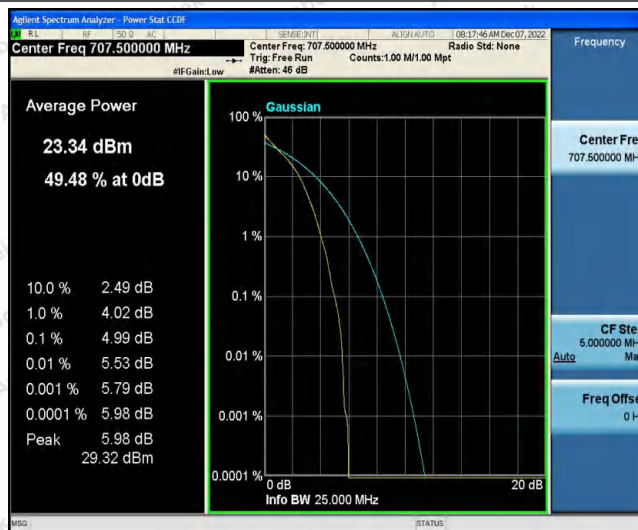


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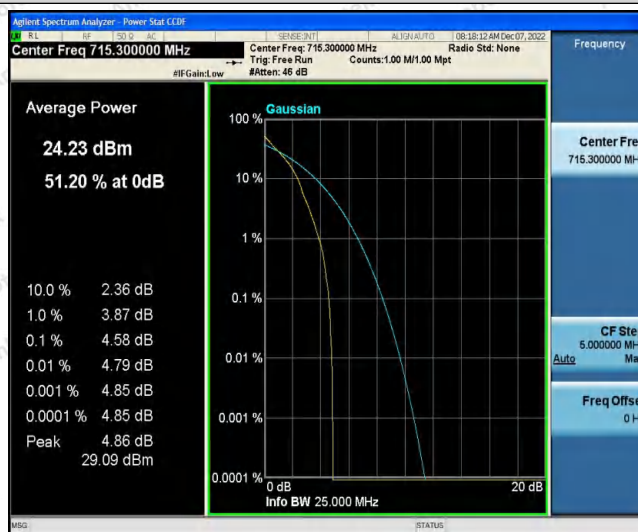




Band12-1.4MHz-QPSK-23095-6RB#0



Band12-1.4MHz-QPSK-23173-1RB#0



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

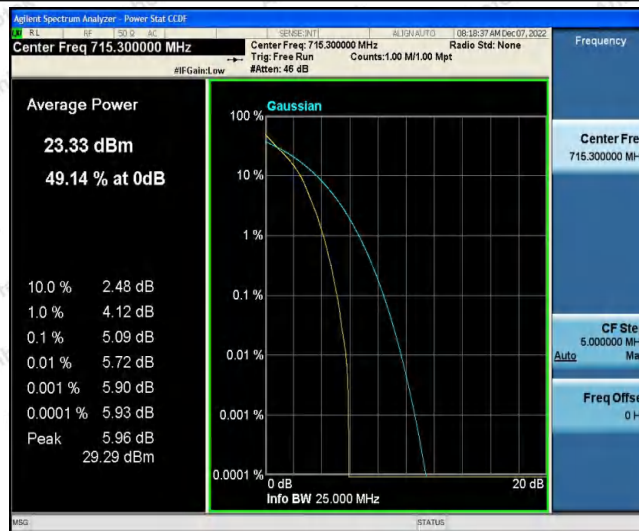
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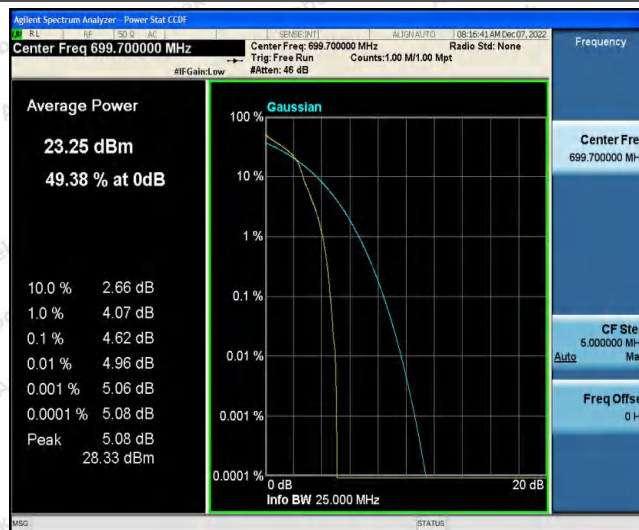


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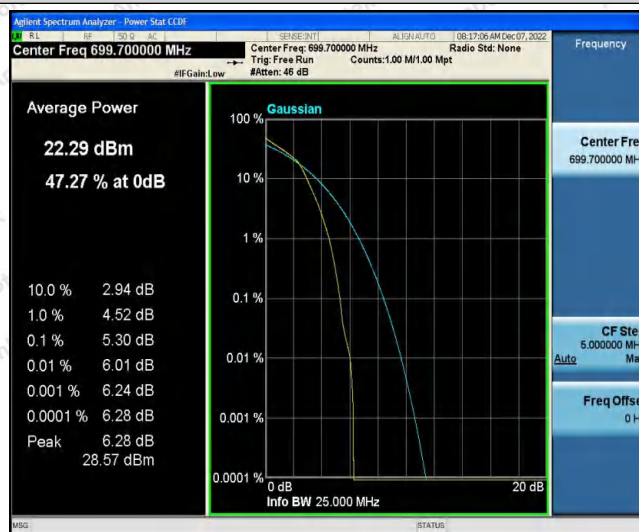




Band12-1.4MHz-16QAM-23017-1RB#0



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



Band12-1.4MHz-16QAM-23095-1RB#0

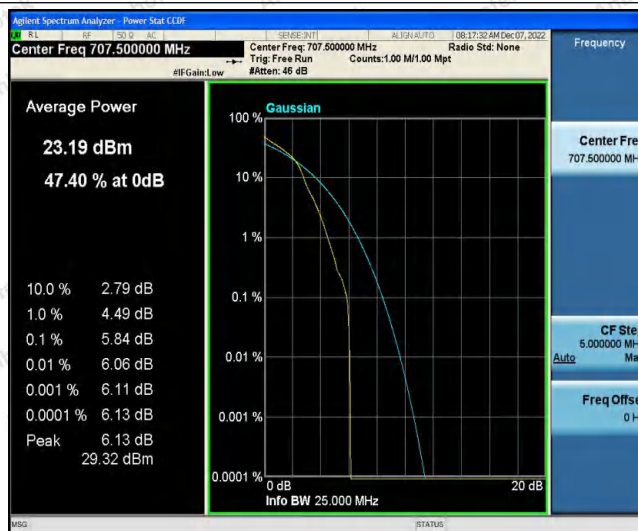
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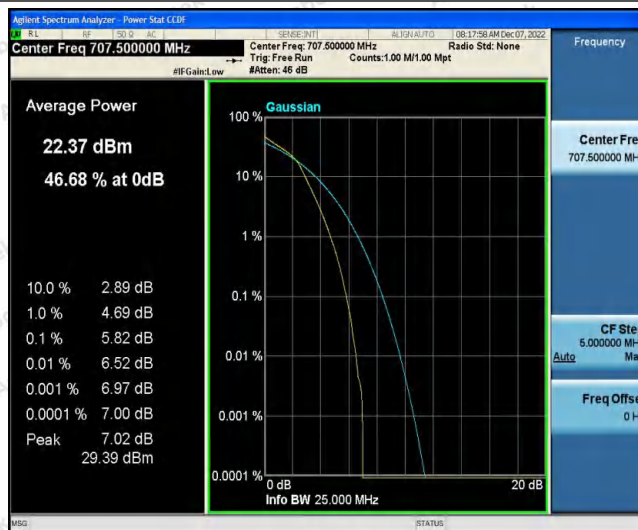


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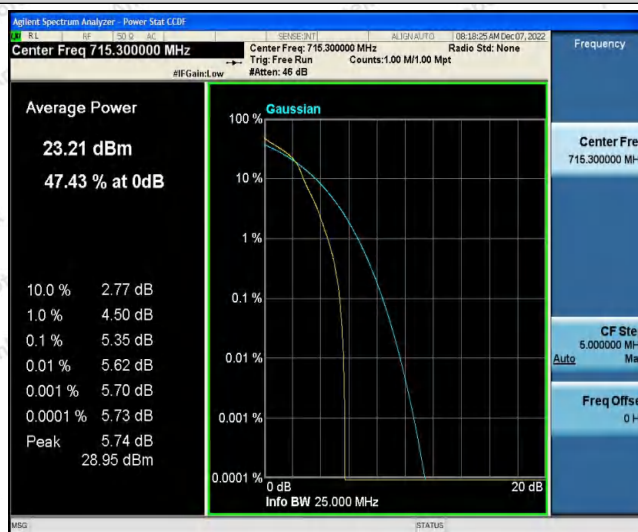




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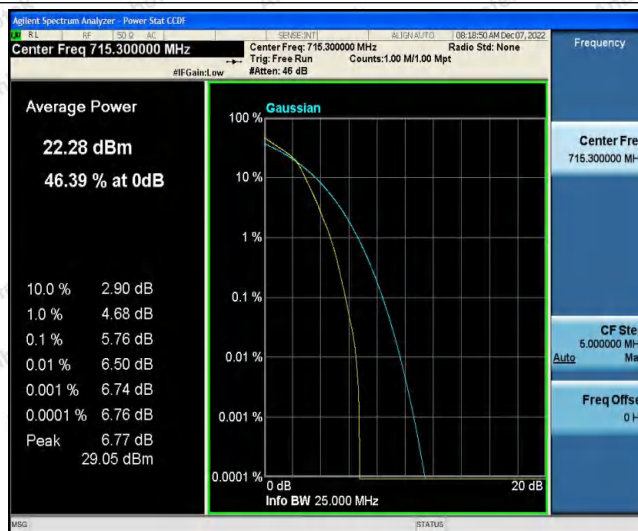


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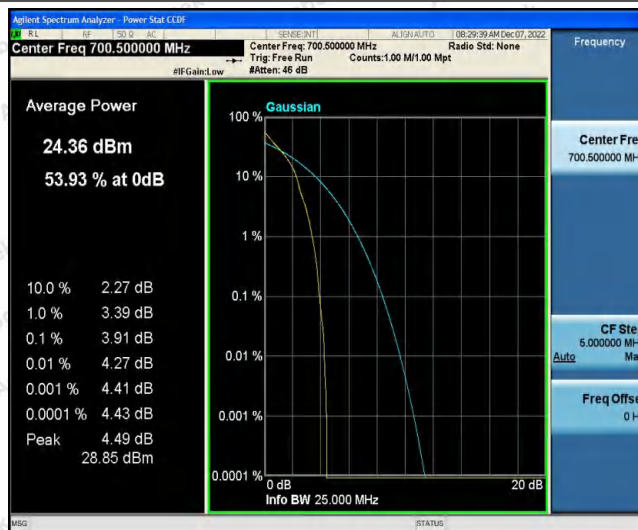


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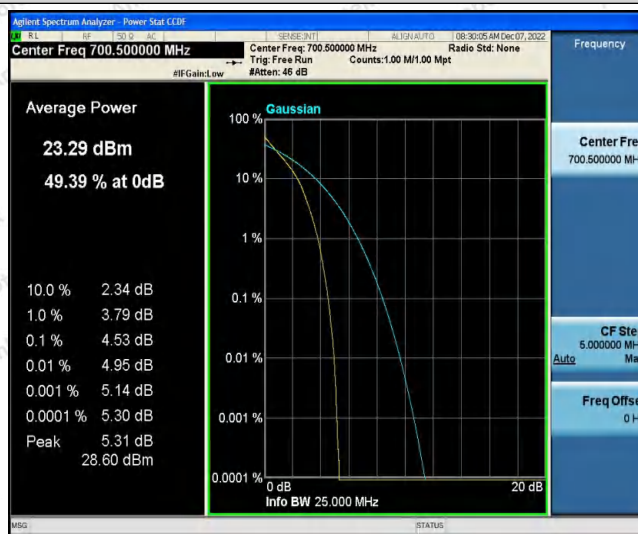




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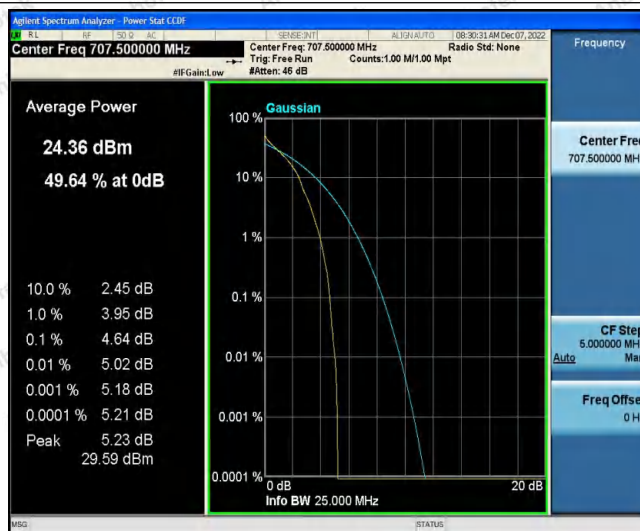


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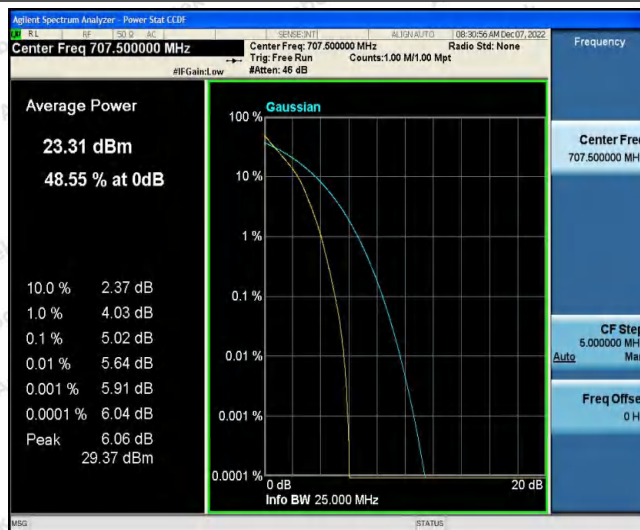


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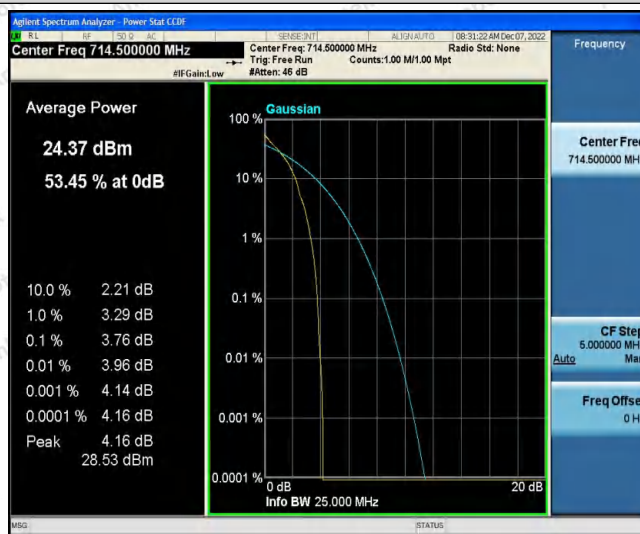




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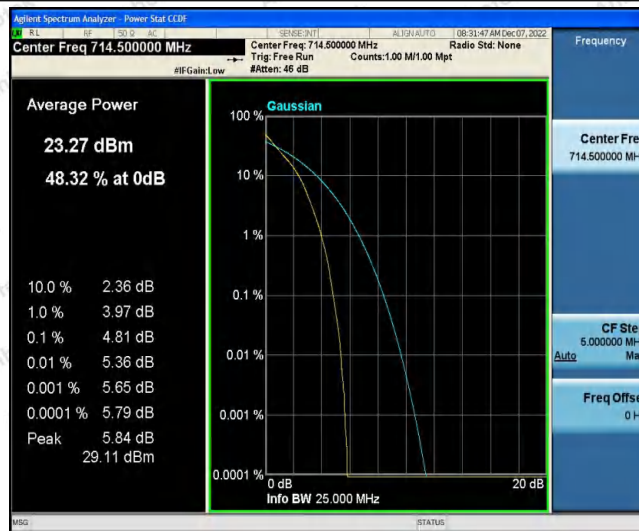


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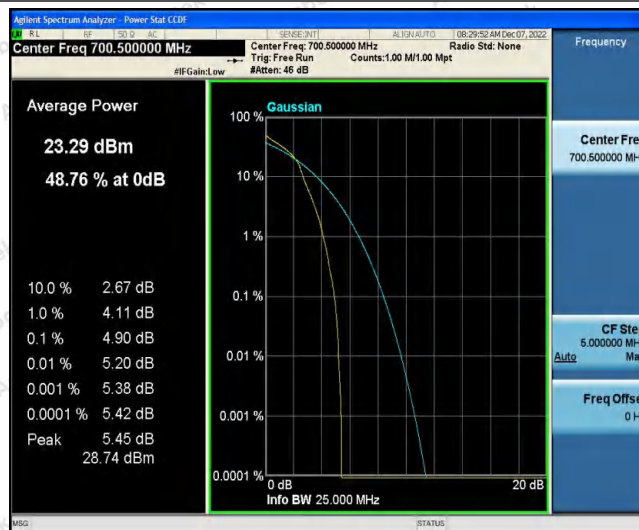


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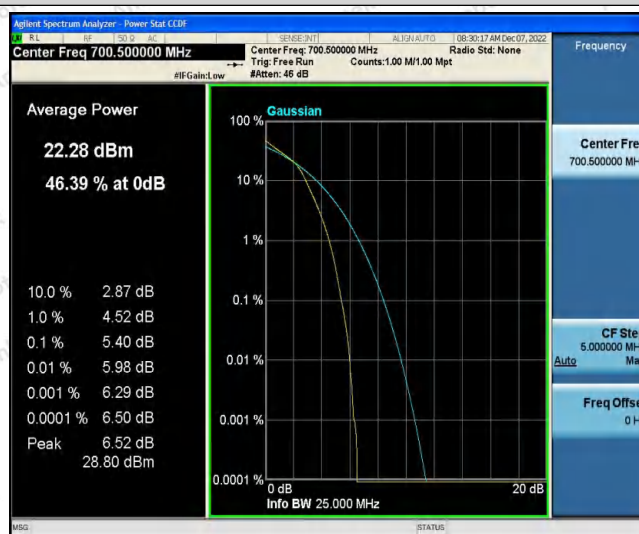




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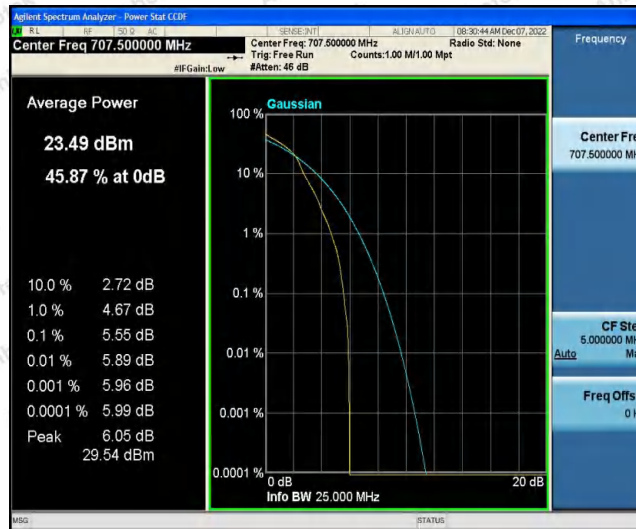


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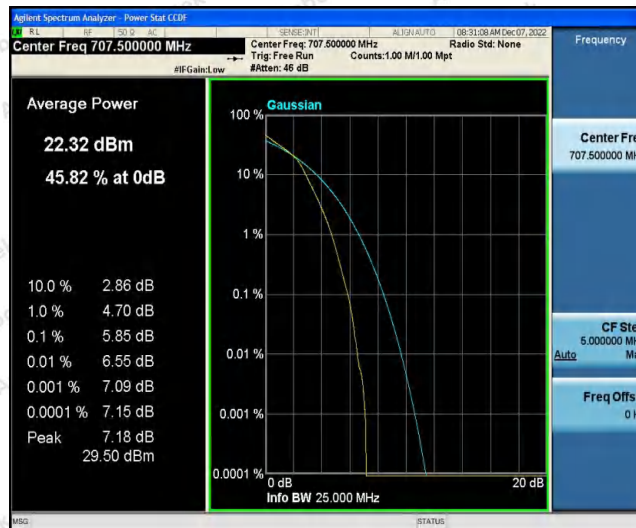


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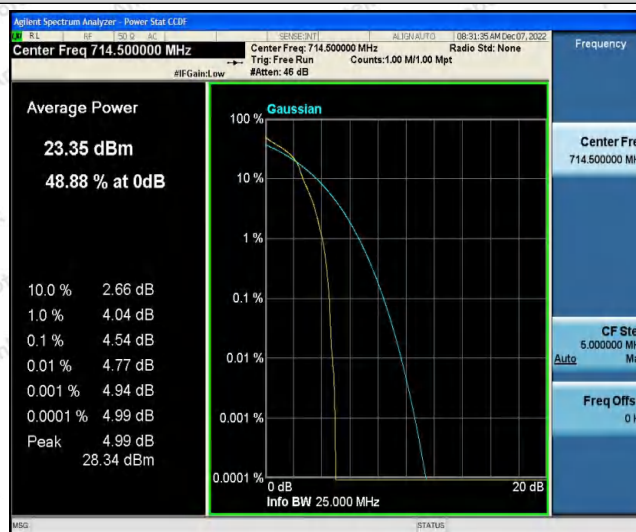




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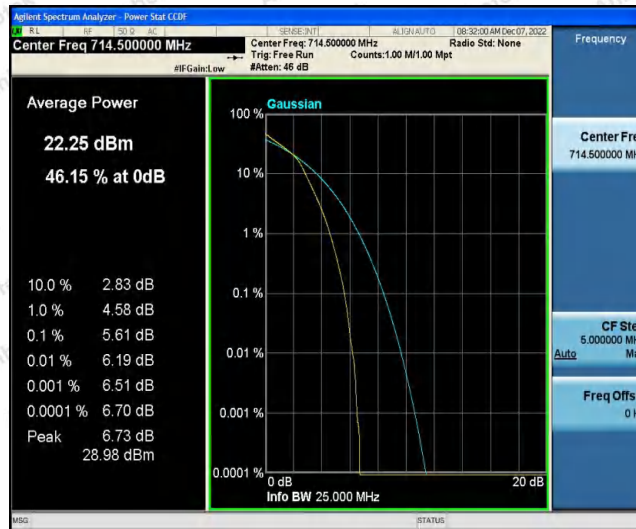


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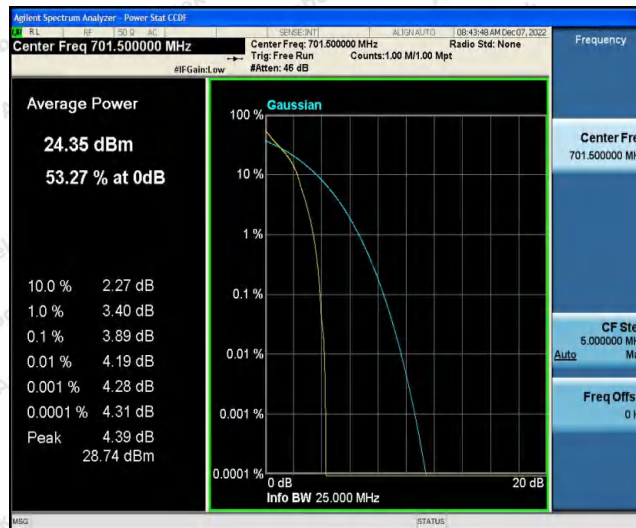


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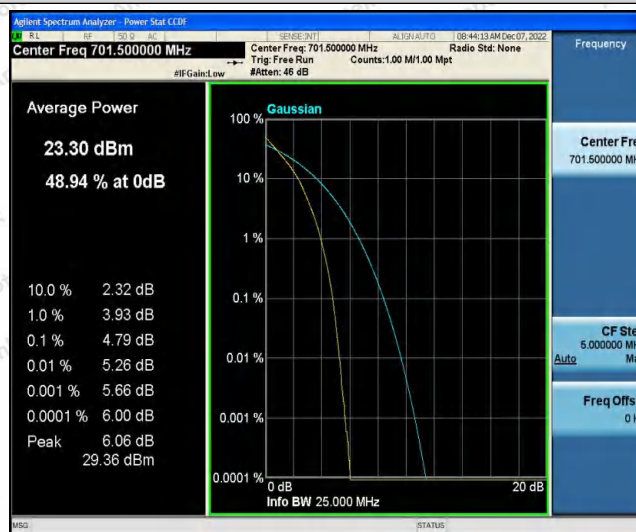




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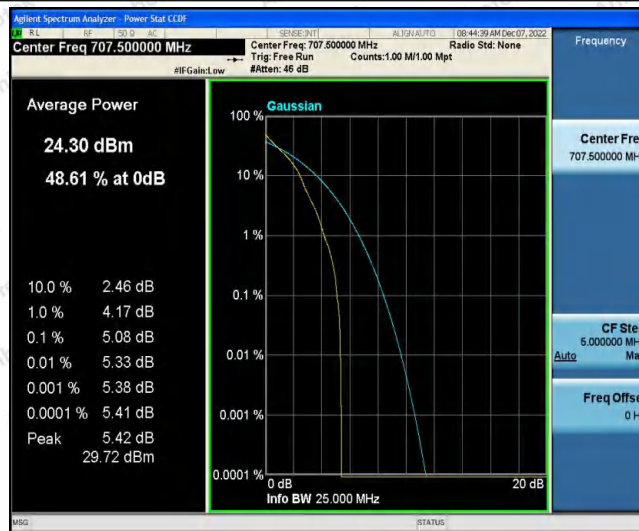


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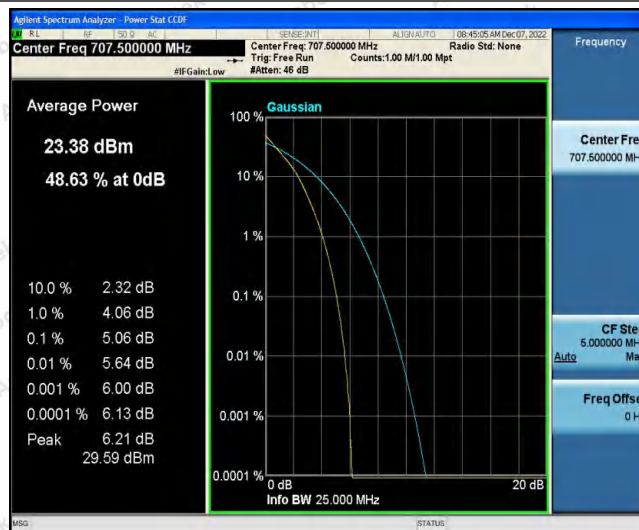


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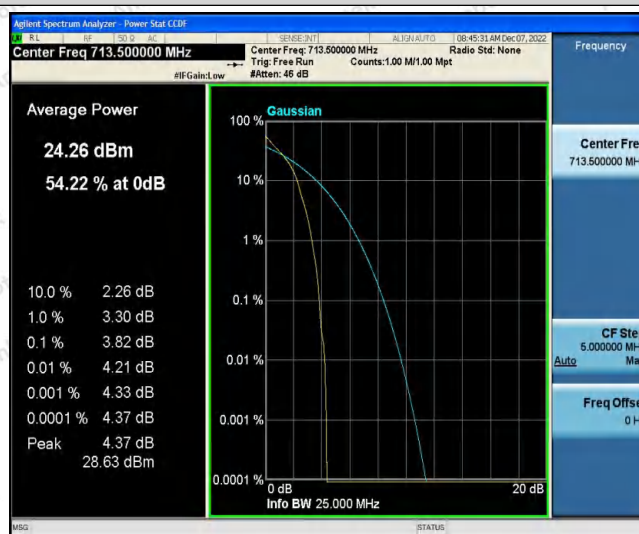




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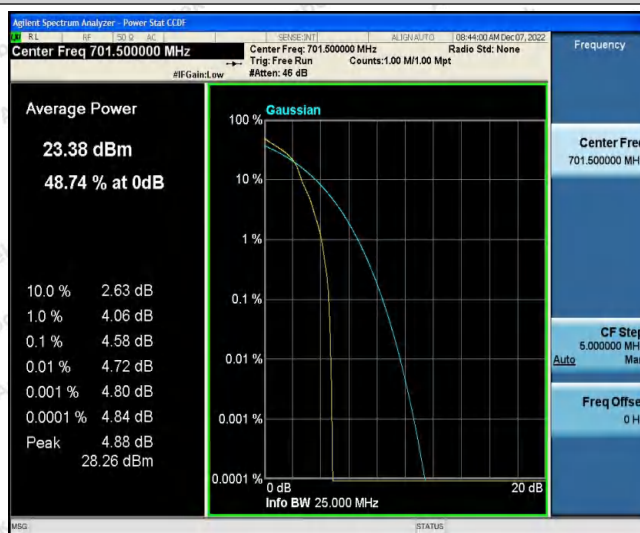


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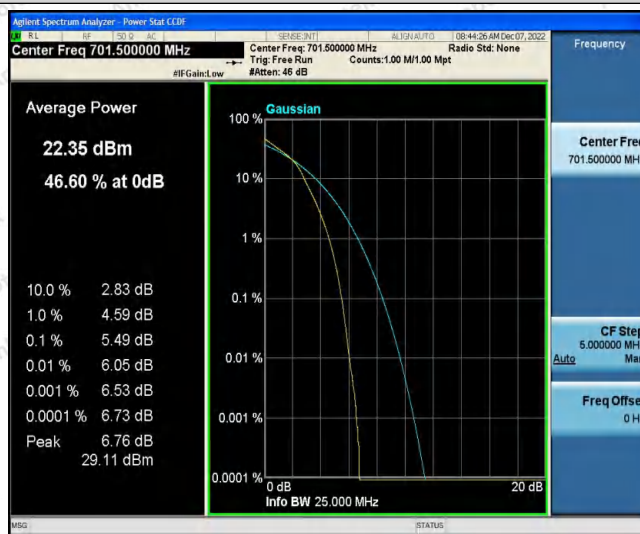




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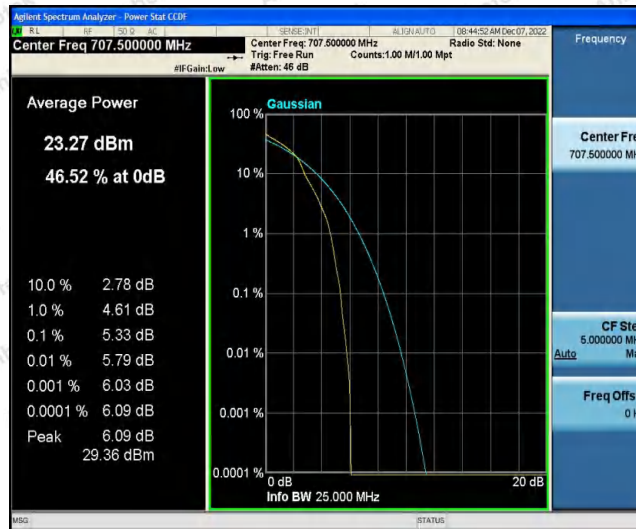


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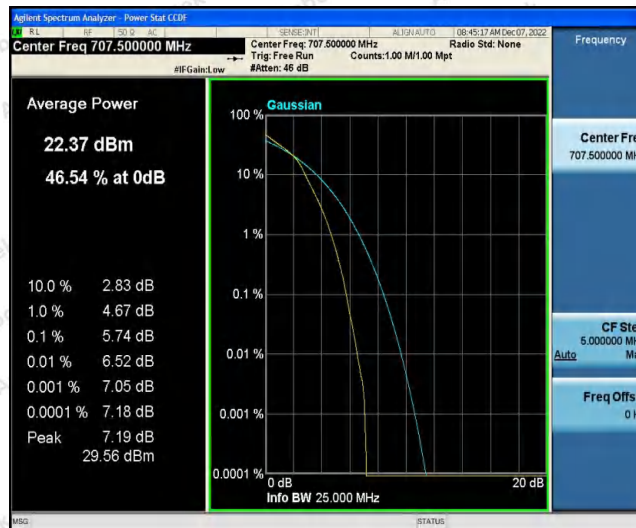


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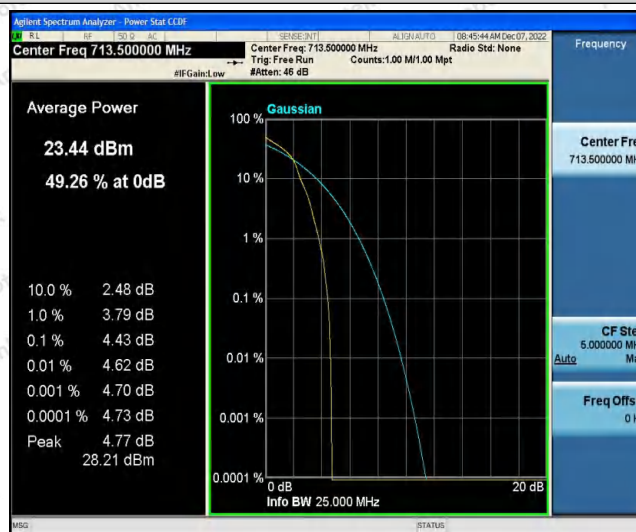




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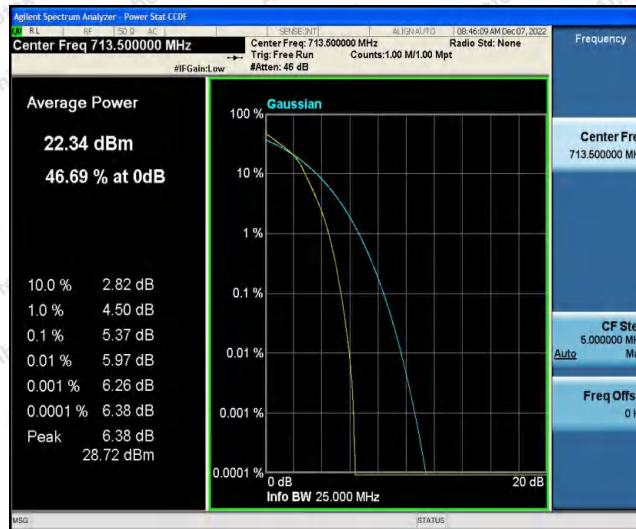


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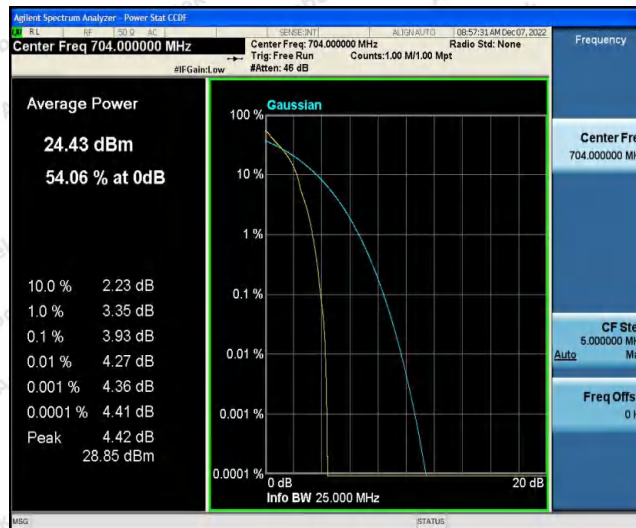


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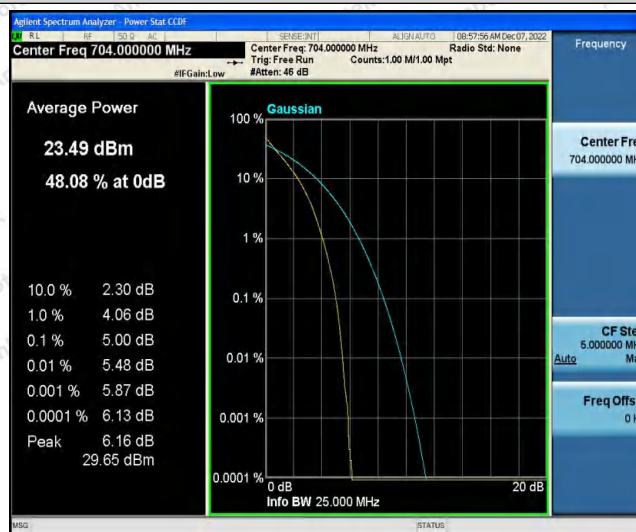




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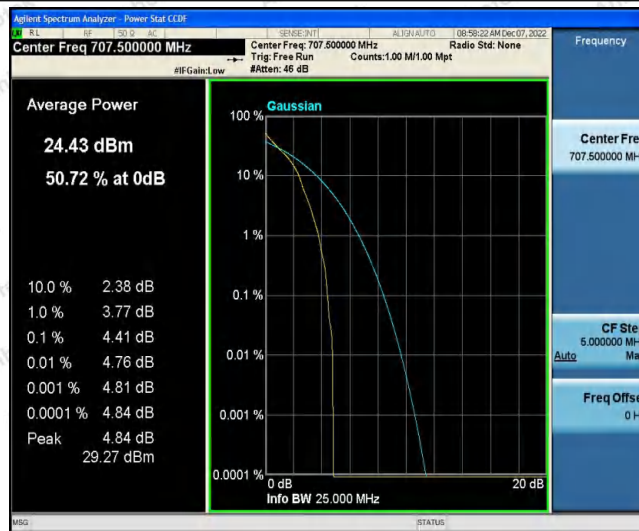


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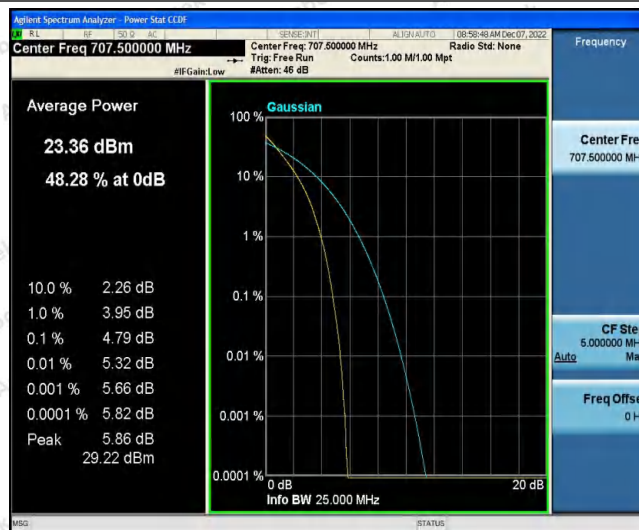


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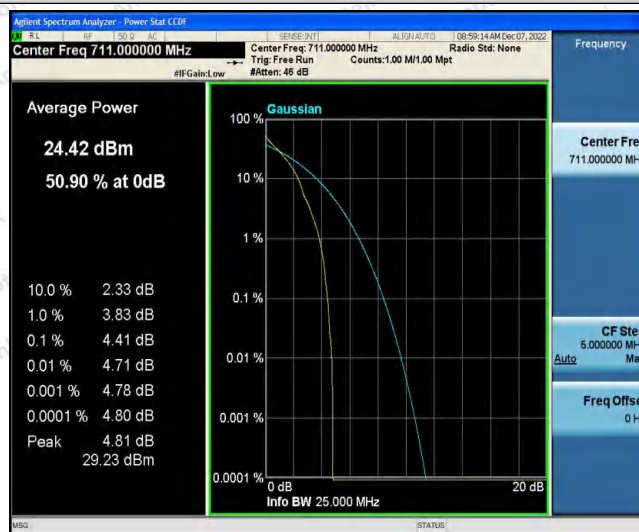




Band12-10MHz-QPSK-23095-50RB#0



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



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

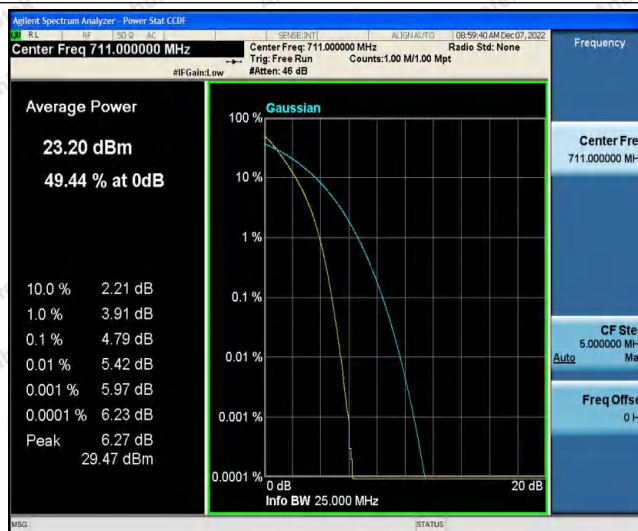
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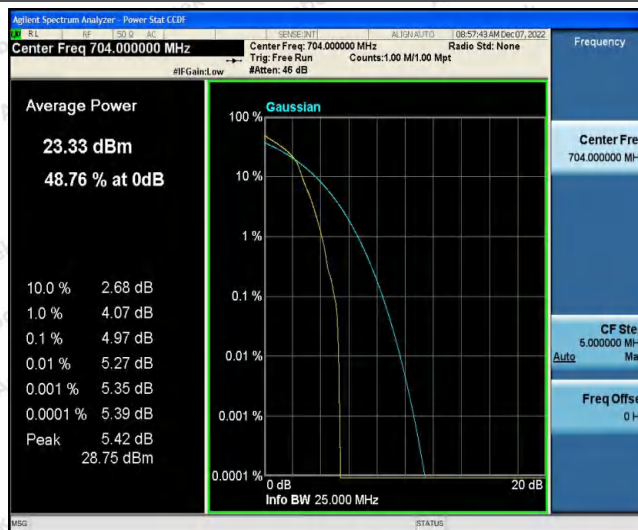


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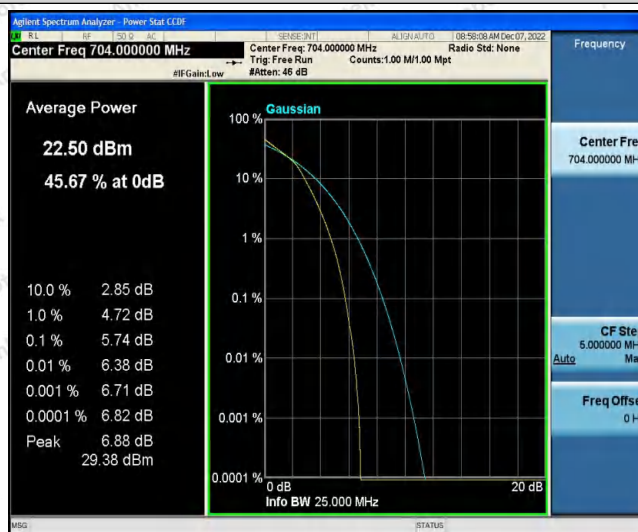




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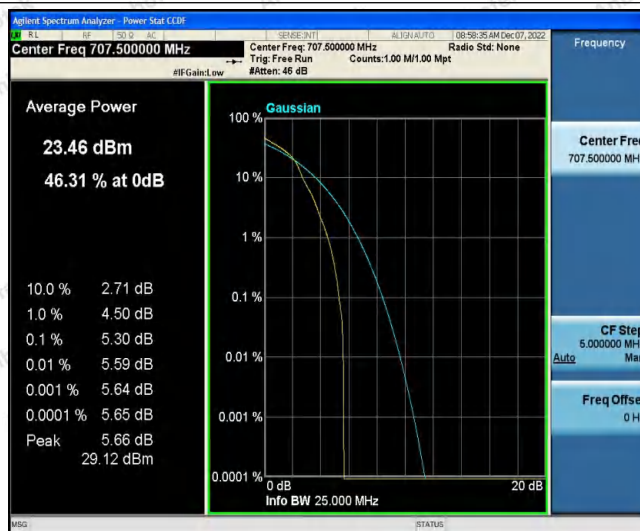


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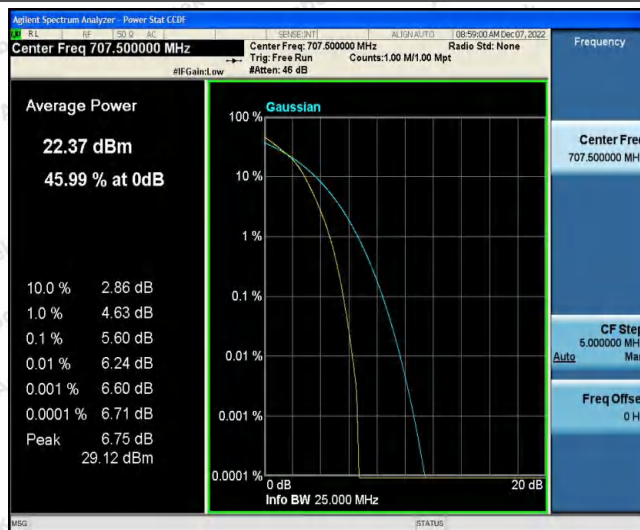


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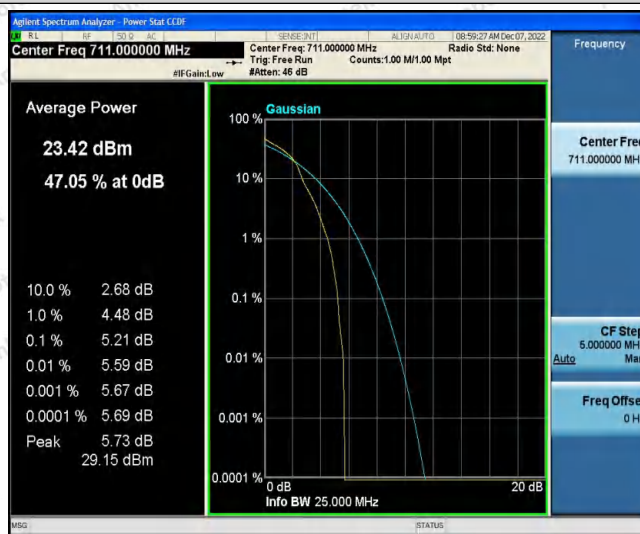




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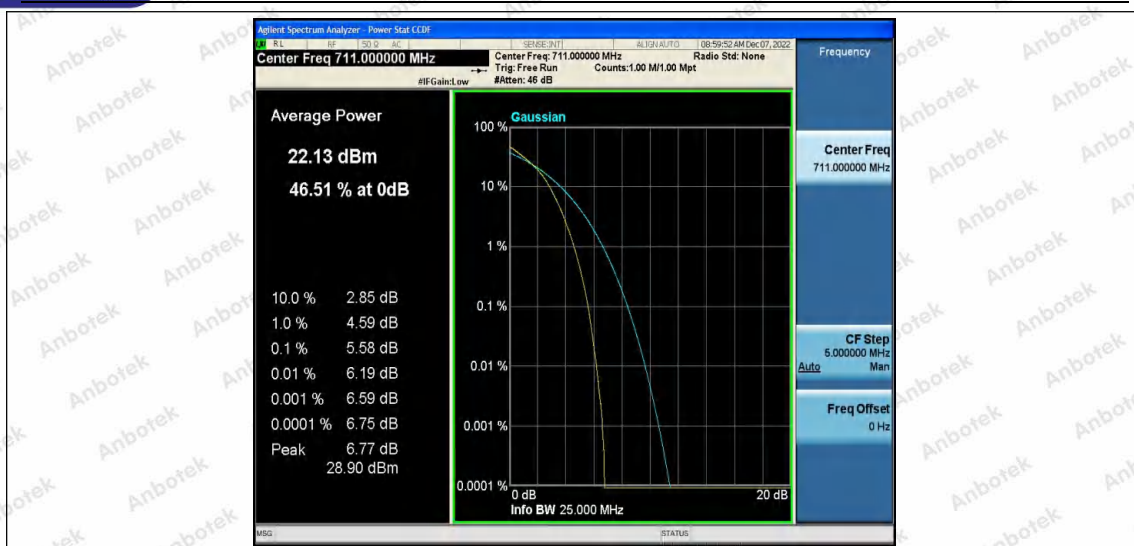


Band12-10MHz-16QAM-23130-1RB#0



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





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Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0862	1.251	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0838	1.261	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0901	1.249	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0868	1.219	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0860	1.253	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0873	1.254	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6827	2.842	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6938	2.863	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6862	2.865	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6838	2.873	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6826	2.866	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6856	2.850	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5062	4.975	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4967	4.914	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5071	4.922	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5050	4.964	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5106	5.012	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5148	4.871	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0199	9.593	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9861	9.550	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9517	9.520	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0067	9.638	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9607	9.540	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9573	9.548	PASS

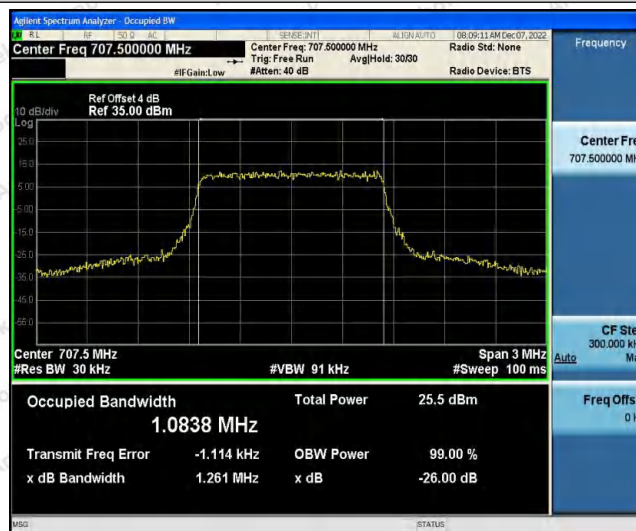


Test Graphs

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



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



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

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



Band12-1.4MHz-16QAM-23095-6RB#0



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

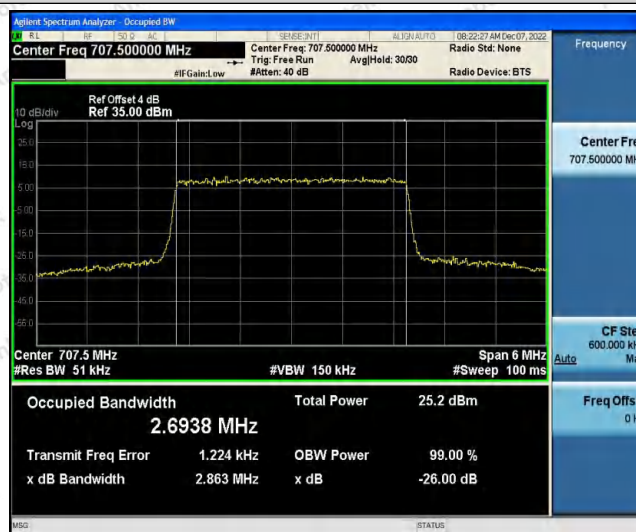




Band12-3MHz-QPSK-23025-15RB#0



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



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

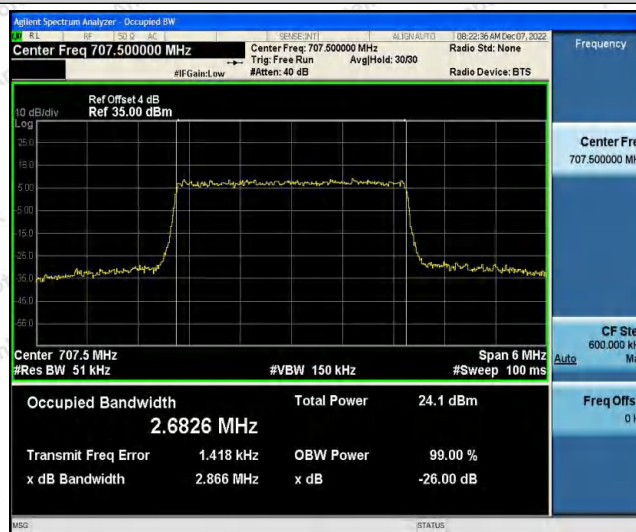




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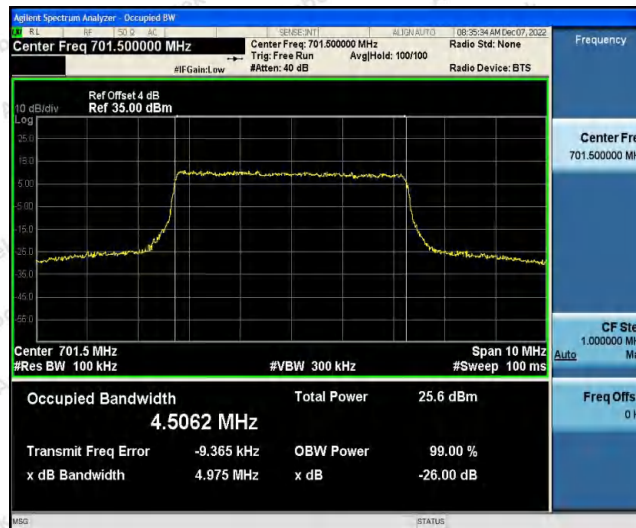


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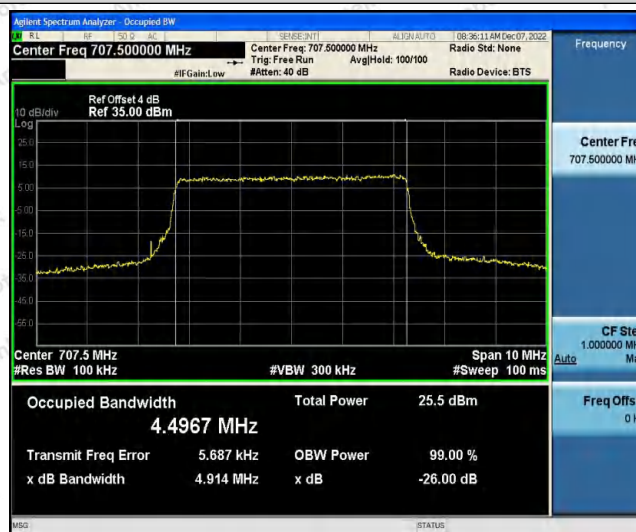




Band12-5MHz-QPSK-23035-25RB#0



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



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

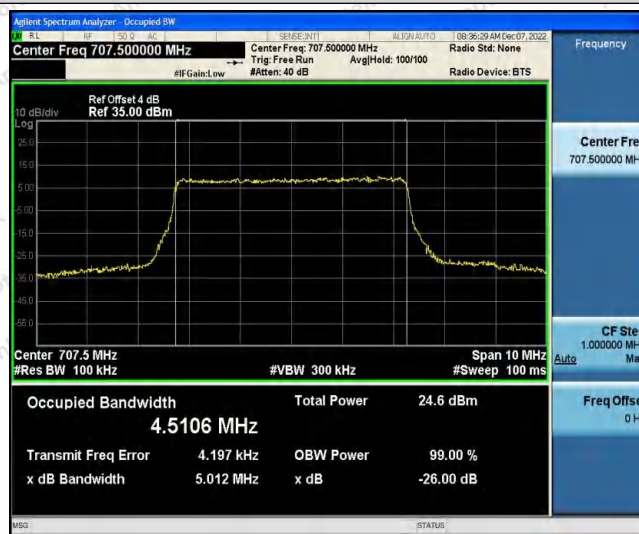




Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23095-25RB#0



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

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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-23060-50RB#0



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



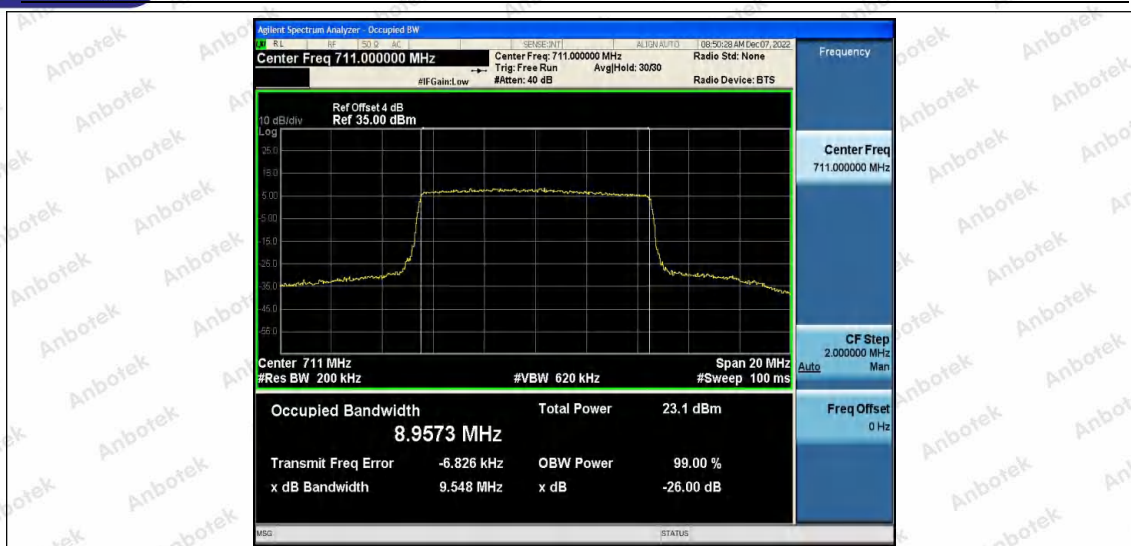
Band12-10MHz-16QAM-23130-50RB#0

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Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-28.27,-16.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-31.55,-43.46	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-23.64,-21.33	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-42.01,-29.37	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-15.84,-28.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-23.84,-26.16	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-28.53,-17.47	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-31.15,-44.18	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-25.47,-23.31	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-44.17,-29.99	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-16.04,-29.48	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-24.07,-27.04	PASS
Band12	3MHz	QPSK	23025	1RB#0	-29.56,-25.52	PASS
Band12	3MHz	QPSK	23025	1RB#14	-39.07,-39.61	PASS
Band12	3MHz	QPSK	23025	15RB#0	-24.49,-23.91	PASS
Band12	3MHz	QPSK	23165	1RB#0	-46.73,-46.65	PASS
Band12	3MHz	QPSK	23165	1RB#14	-28.48,-30.68	PASS
Band12	3MHz	QPSK	23165	15RB#0	-21.62,-27.18	PASS

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Band12	3MHz	16QAM	23025	1RB#0	-30.11,-25.6 4	PASS
Band12	3MHz	16QAM	23025	1RB#14	-39.33,-41.4 5	PASS
Band12	3MHz	16QAM	23025	15RB#0	-27.47,-26.1 0	PASS
Band12	3MHz	16QAM	23165	1RB#0	-46.79,-47.2 5	PASS
Band12	3MHz	16QAM	23165	1RB#14	-29.68,-34.2 6	PASS
Band12	3MHz	16QAM	23165	15RB#0	-27.54,-29.8 9	PASS
Band12	5MHz	QPSK	23035	1RB#0	-14.37	PASS
Band12	5MHz	QPSK	23035	1RB#24	-34.68	PASS
Band12	5MHz	QPSK	23035	25RB#0	-16.88	PASS
Band12	5MHz	QPSK	23155	1RB#0	-34.57	PASS
Band12	5MHz	QPSK	23155	1RB#24	-14.51	PASS
Band12	5MHz	QPSK	23155	25RB#0	-18.21	PASS
Band12	5MHz	16QAM	23035	1RB#0	-14.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	-41.93	PASS
Band12	5MHz	16QAM	23035	25RB#0	-17.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	-44.18	PASS
Band12	5MHz	16QAM	23155	1RB#24	-15.10	PASS
Band12	5MHz	16QAM	23155	25RB#0	-18.95	PASS
Band12	10MHz	QPSK	23060	1RB#0	-18.94,-16.2 1	PASS
Band12	10MHz	QPSK	23060	1RB#49	-39.23,-43.1 0	PASS
Band12	10MHz	QPSK	23060	50RB#0	-21.51,-20.1 2	PASS
Band12	10MHz	QPSK	23130	1RB#0	-44.61,-45.4 0	PASS
Band12	10MHz	QPSK	23130	1RB#49	-14.73,-17.6 3	PASS
Band12	10MHz	QPSK	23130	50RB#0	-24.60,-26.2 2	PASS
Band12	10MHz	16QAM	23060	1RB#0	-18.06,-14.8 4	PASS
Band12	10MHz	16QAM	23060	1RB#49	-38.78,-42.8 3	PASS
Band12	10MHz	16QAM	23060	50RB#0	-25.01,-22.2 8	PASS
Band12	10MHz	16QAM	23130	1RB#0	-35.69,-35.8	PASS

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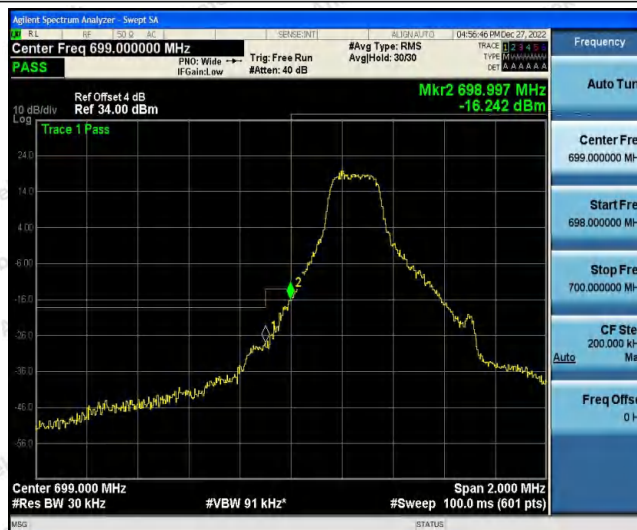
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					2	
Band12	10MHz	16QAM	23130	1RB#49	-14.41,-16.9 0	PASS
Band12	10MHz	16QAM	23130	50RB#0	-25.85,-26.9 0	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-1RB#5



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

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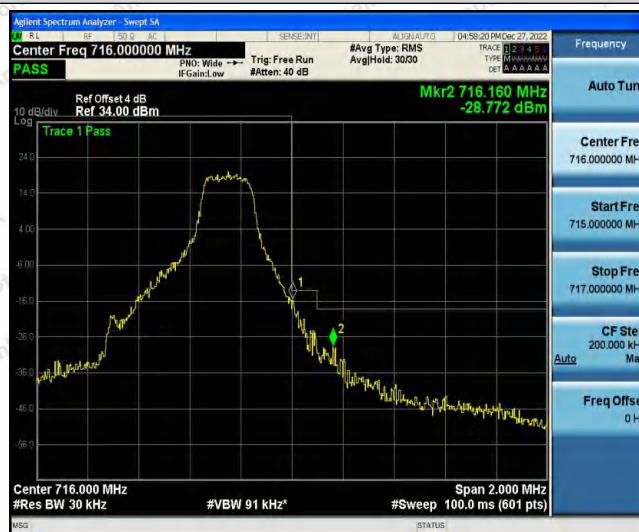




Band12-1.4MHz-QPSK-23173-1RB#0



Band12-1.4MHz-QPSK-23173-1RB#5



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

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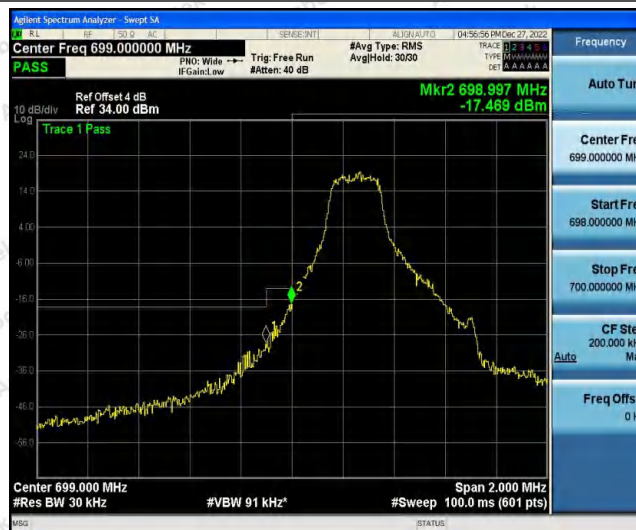


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Band12-1.4MHz-16QAM-23017-1RB#0



Band12-1.4MHz-16QAM-23017-1RB#5



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

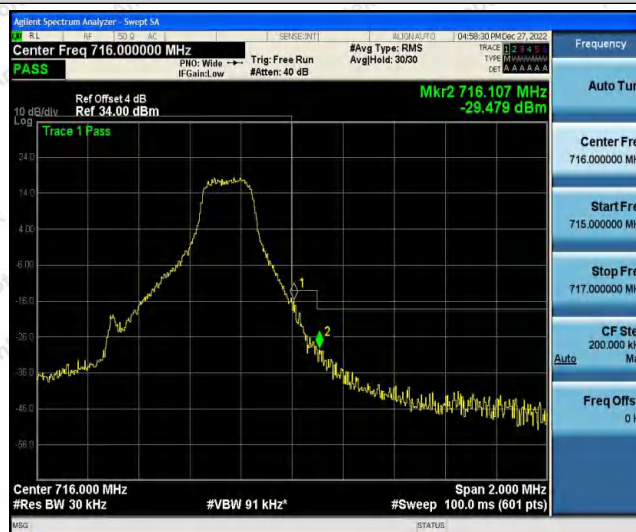




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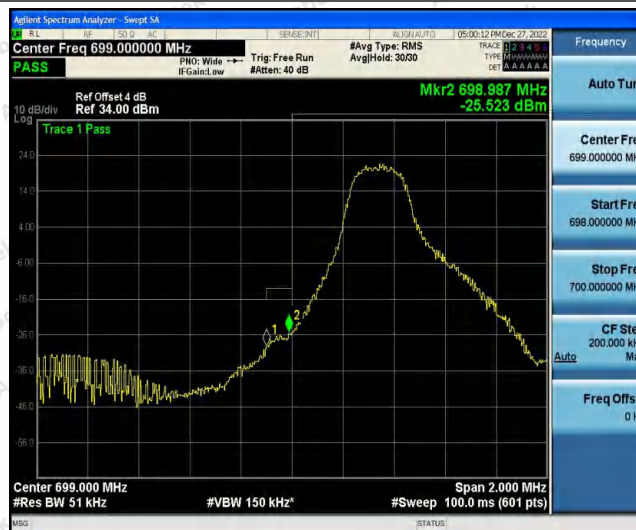


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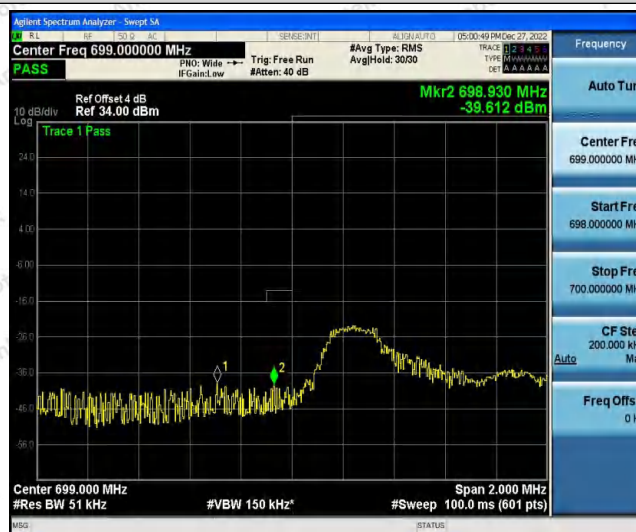




Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-1RB#14



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





Band12-3MHz-QPSK-23165-1RB#0



Band12-3MHz-QPSK-23165-1RB#14



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

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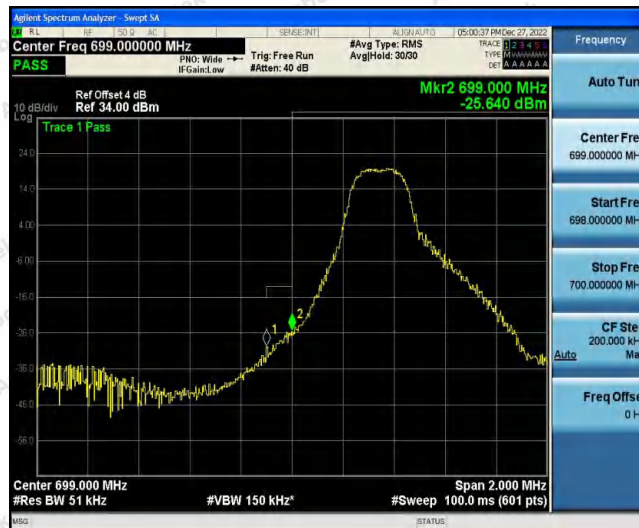


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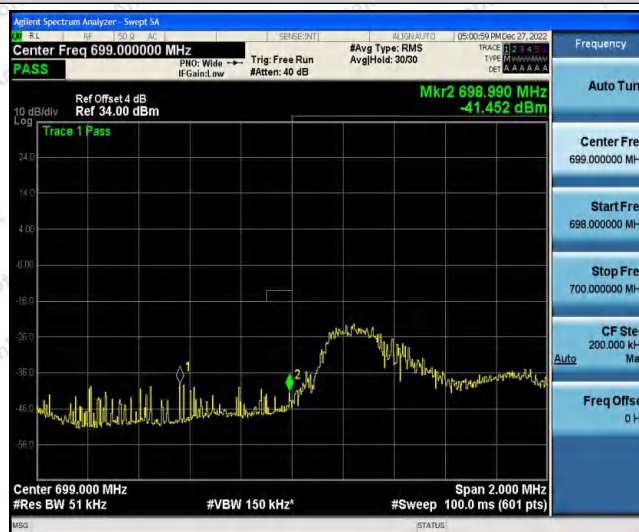




Band12-3MHz-16QAM-23025-1RB#0



Band12-3MHz-16QAM-23025-1RB#14



Band12-3MHz-16QAM-23025-15RB#0

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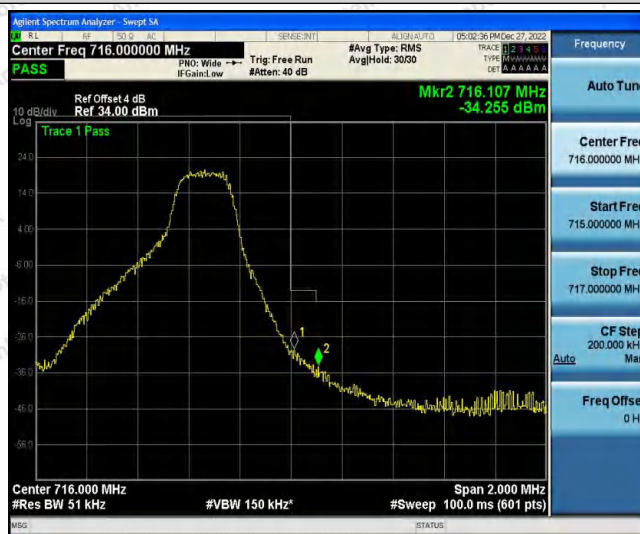




Band12-3MHz-16QAM-23165-1RB#0



Band12-3MHz-16QAM-23165-1RB#14



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

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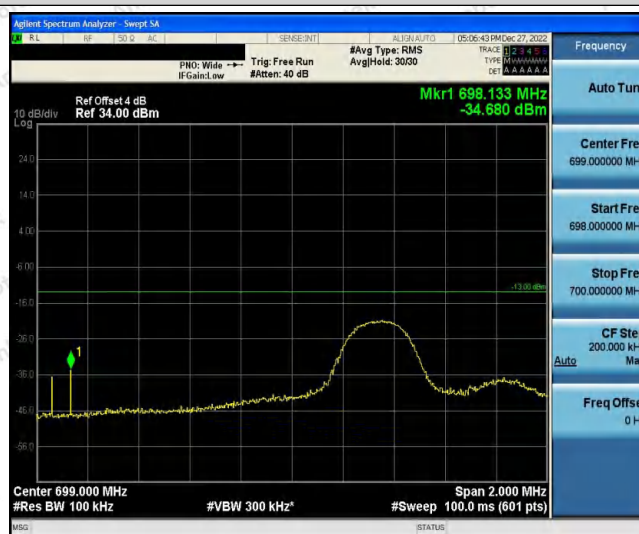




Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-1RB#24



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

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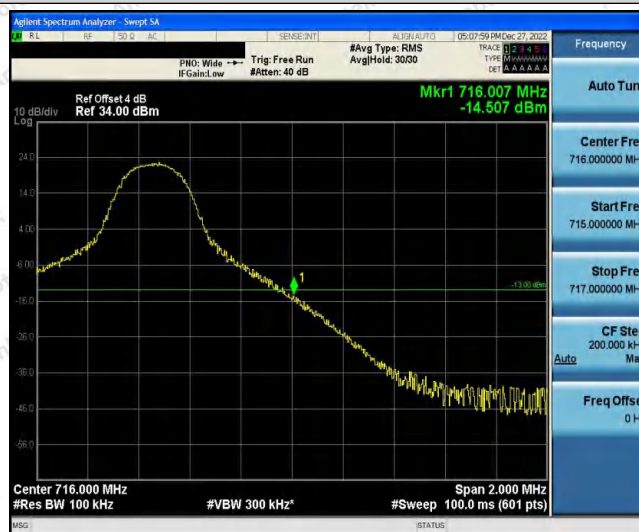




Band12-5MHz-QPSK-23155-1RB#0



Band12-5MHz-QPSK-23155-1RB#24



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

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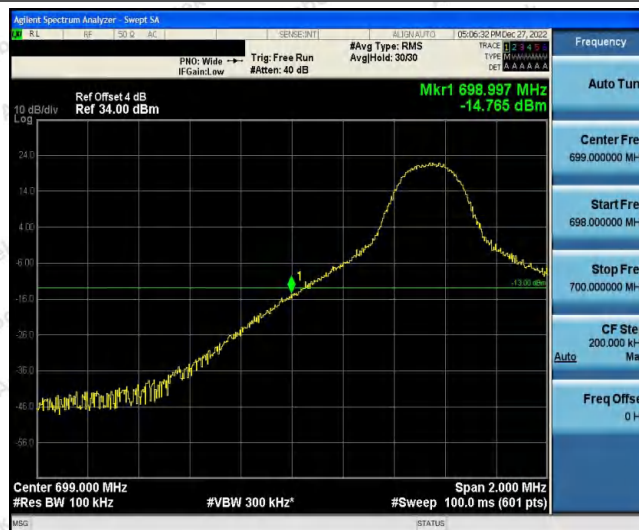


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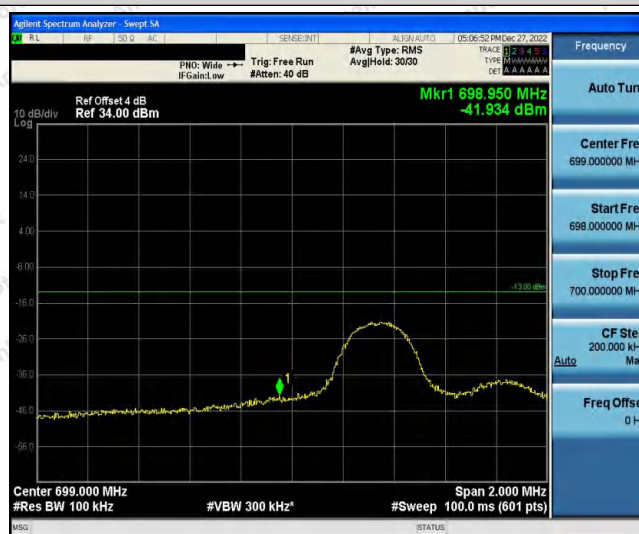




Band12-5MHz-16QAM-23035-1RB#0



Band12-5MHz-16QAM-23035-1RB#24



Band12-5MHz-16QAM-23035-25RB#0

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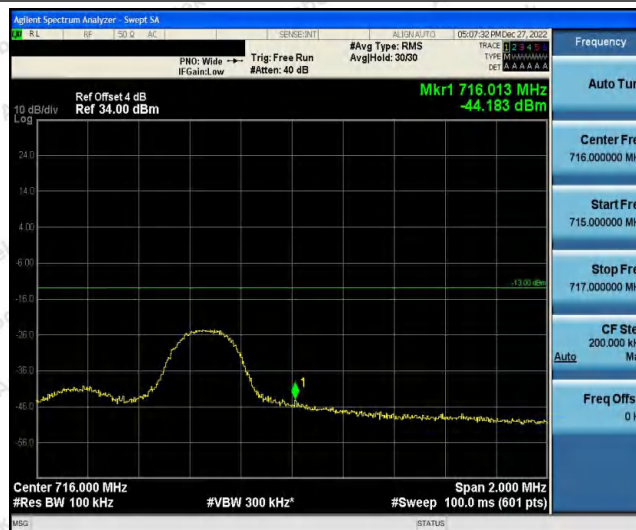


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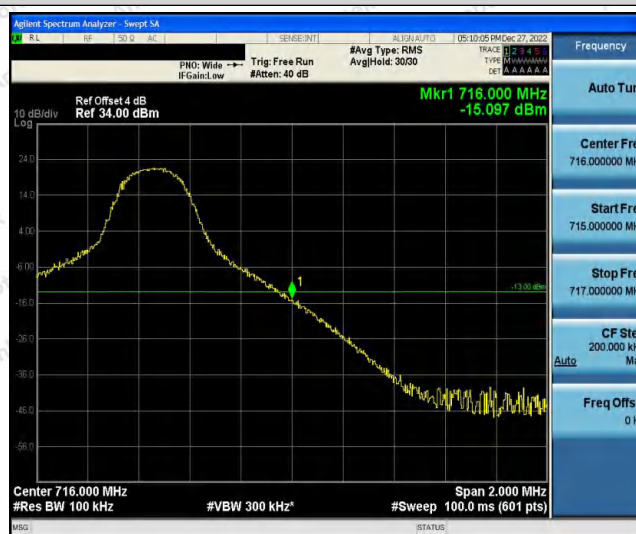




Band12-5MHz-16QAM-23155-1RB#0



Band12-5MHz-16QAM-23155-1RB#24



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

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Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-1RB#49



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

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



Band12-10MHz-QPSK-23130-1RB#49



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

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Band12-10MHz-16QAM-23060-1RB#0



Band12-10MHz-16QAM-23060-1RB#49



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

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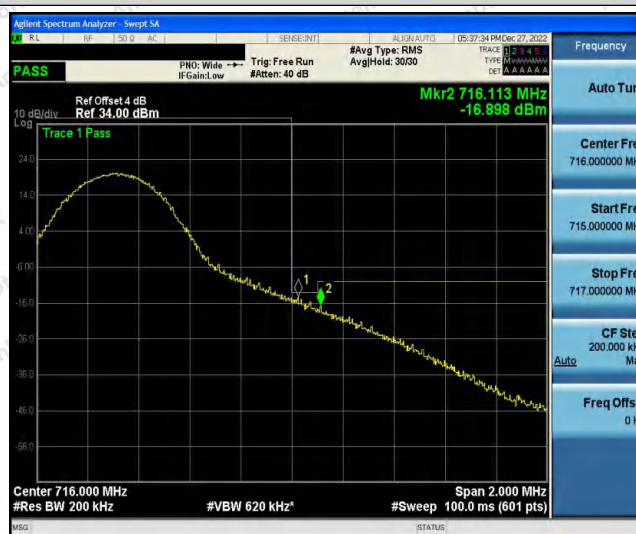




Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#49



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

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Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-50.5 2	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-20.1 2	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-50.8 1	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-17.6 3	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-50.3 4	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-20.6 8	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-51.2 2	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-22.4	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.2 9	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-21.1 9	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-51.3 5	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-19.8	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-50.7 6	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-19.5 7	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-51.0 2	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-14.3 6	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-51.4 2	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-15.9 7	PASS

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Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-50.83	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-16.45	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.21	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-17.54	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-51.37	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-20.8	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-51.08	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-17.37	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-51.13	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-16.78	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-51.45	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-21.01	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-50.74	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-20.02	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.63	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-21.13	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-51.55	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-20.22	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-50.92	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-17.46	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-50.91	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-16.04	PASS

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Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-51.65	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-21.11	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-51.01	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-20.15	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.14	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-19.68	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-49.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-16.78	PASS

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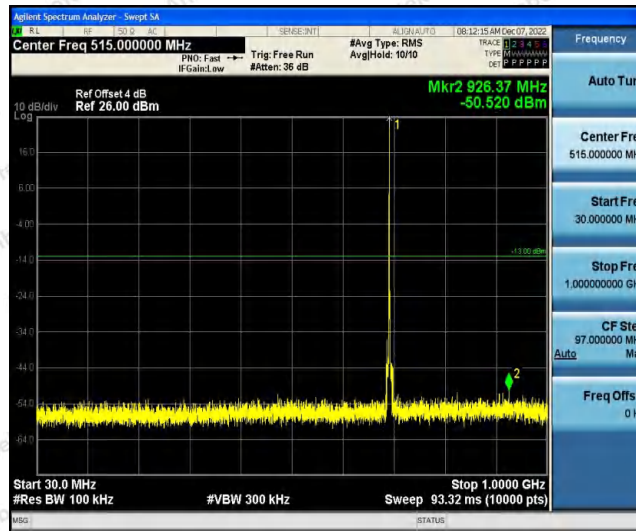


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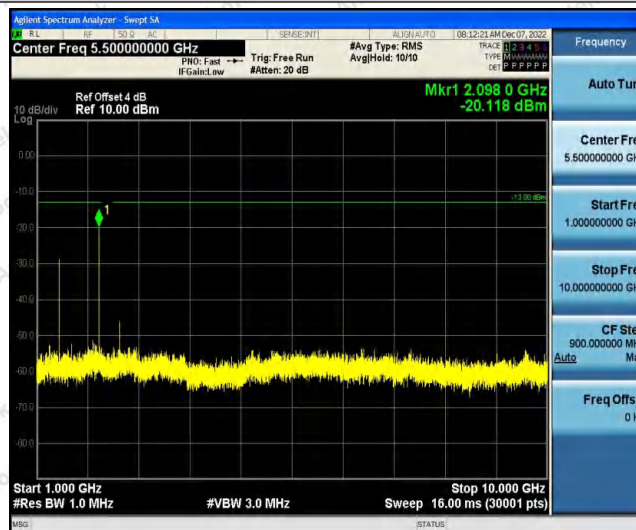


Test Graphs

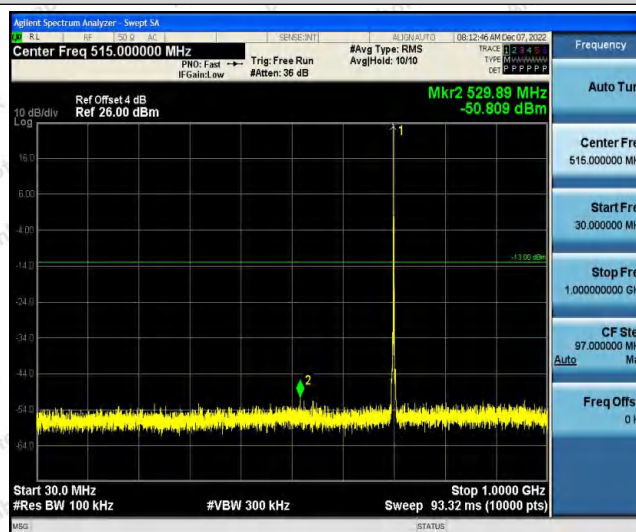
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Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



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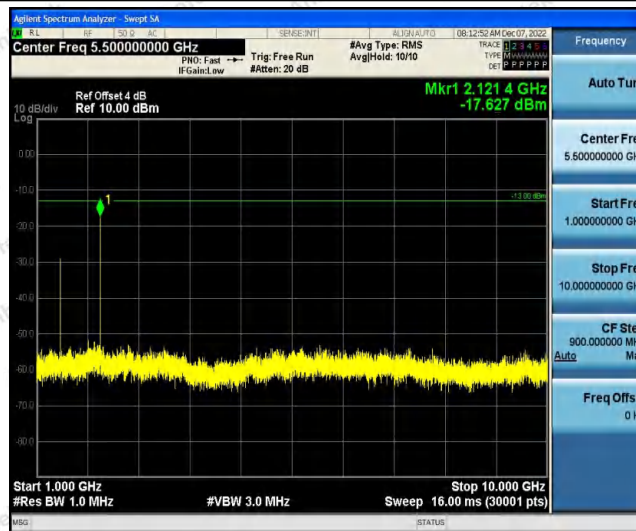
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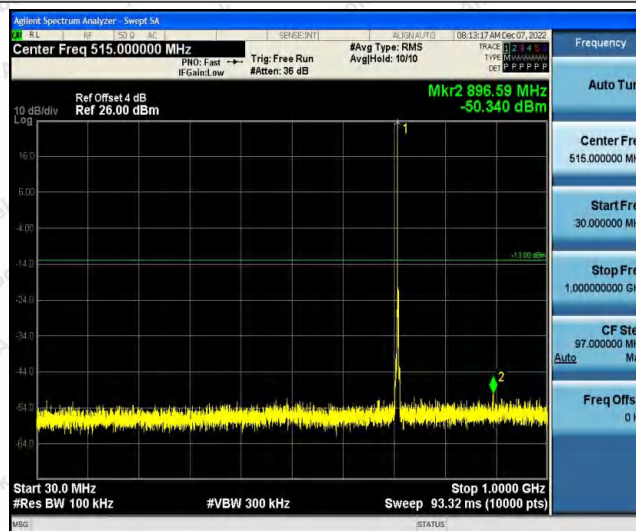
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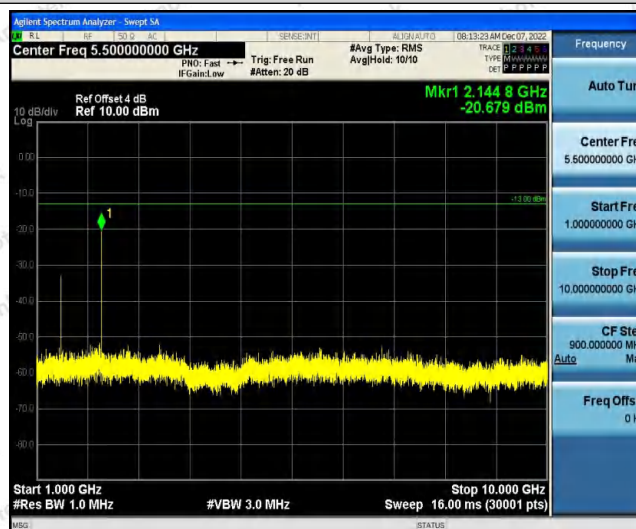
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Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz

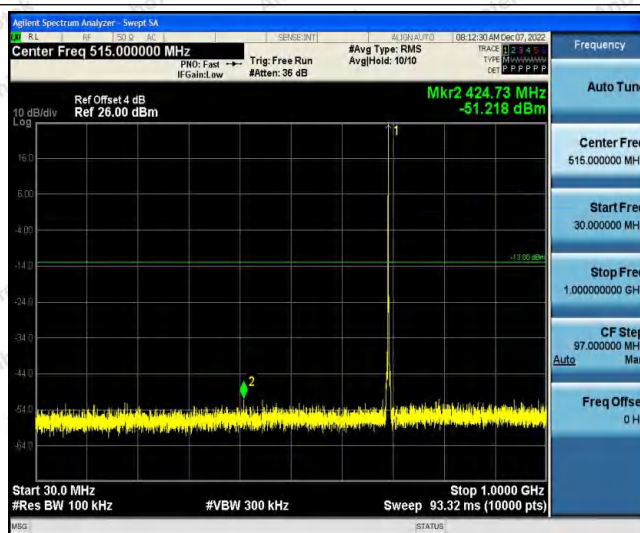
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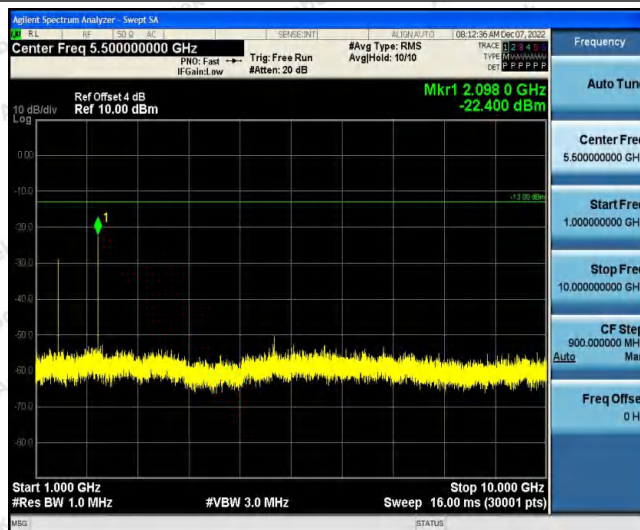


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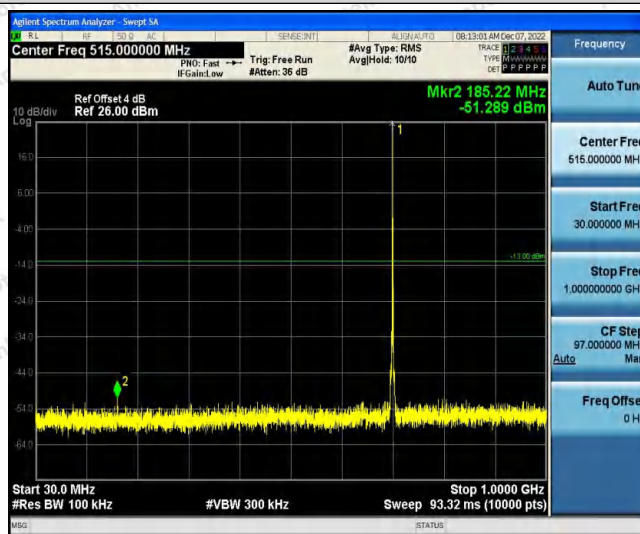




Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz

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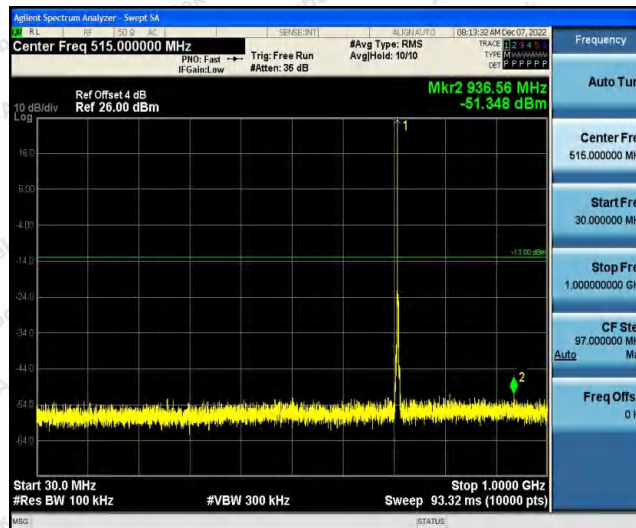


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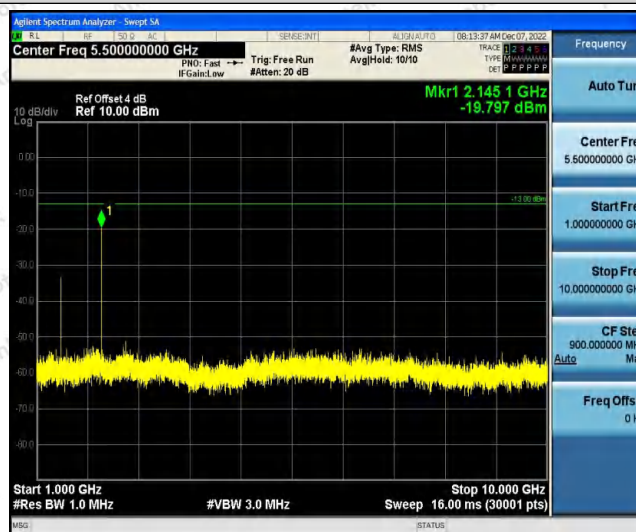




Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz

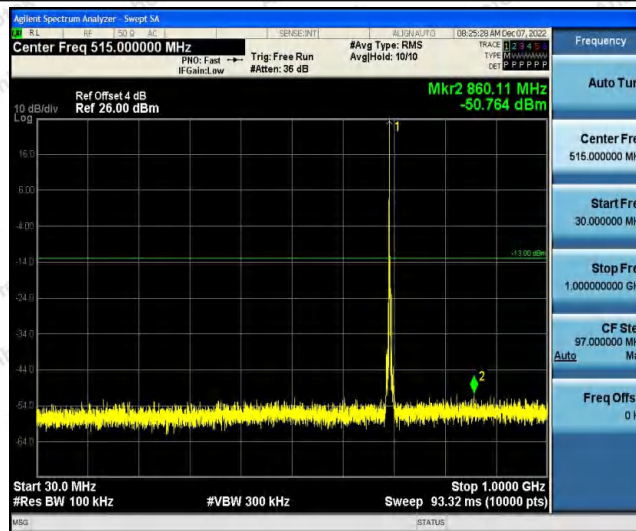
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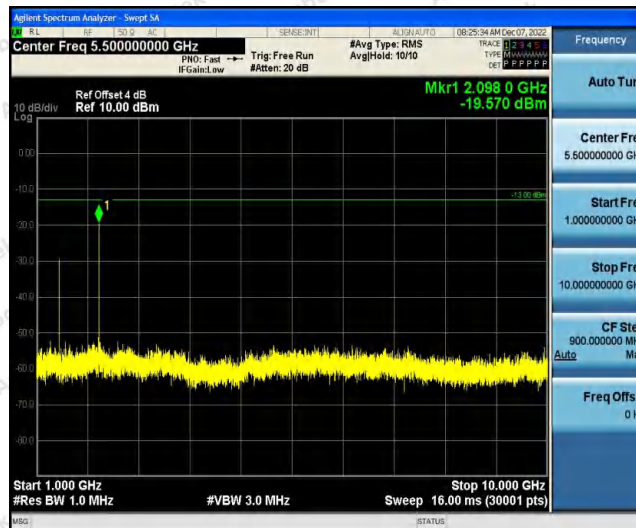


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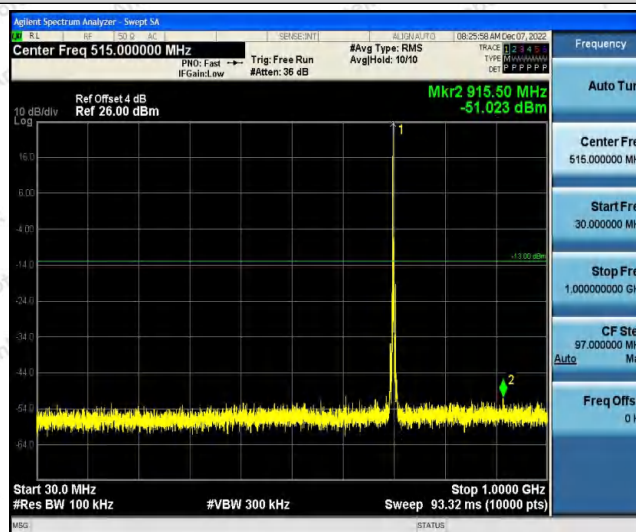




Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz

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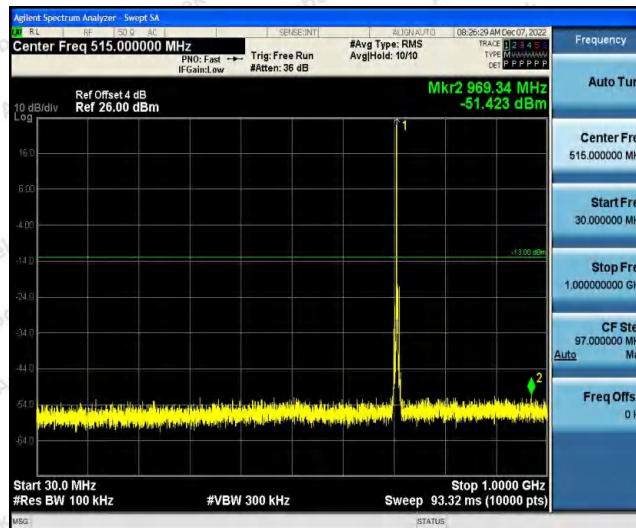


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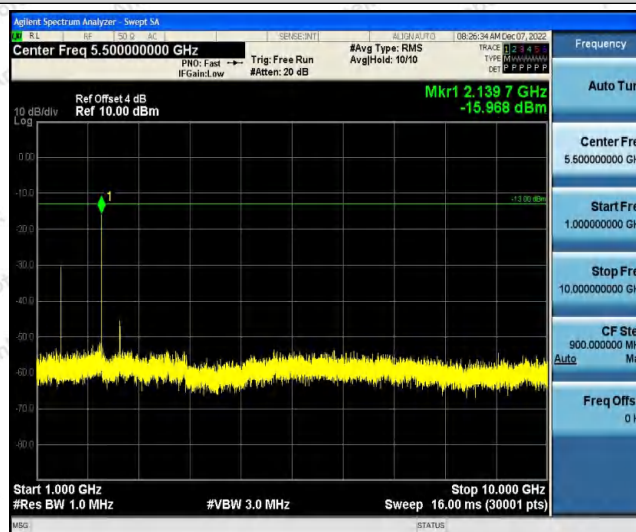




Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz

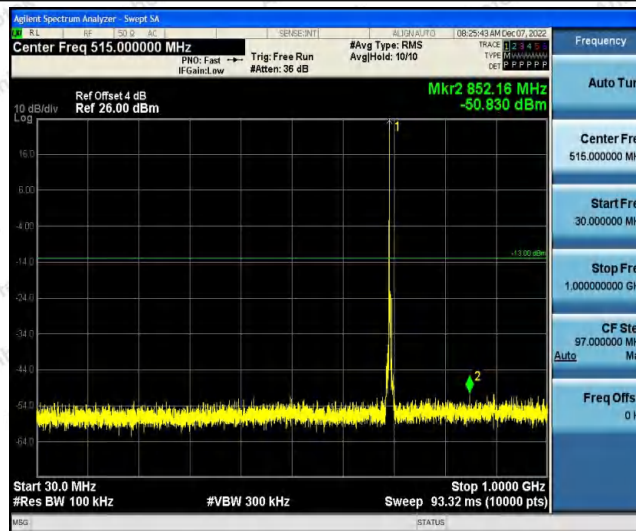
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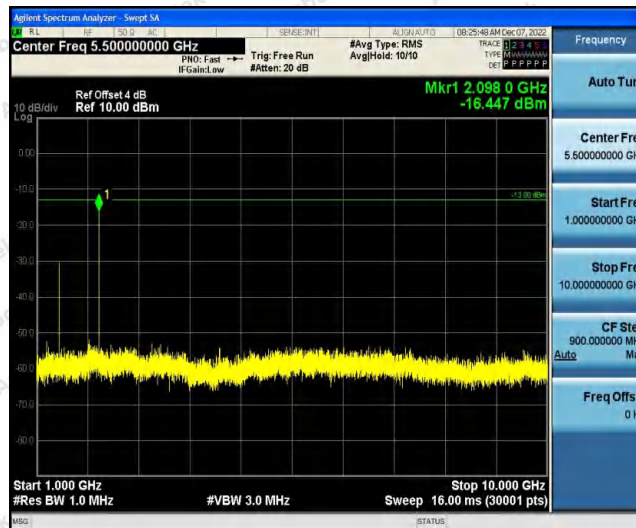


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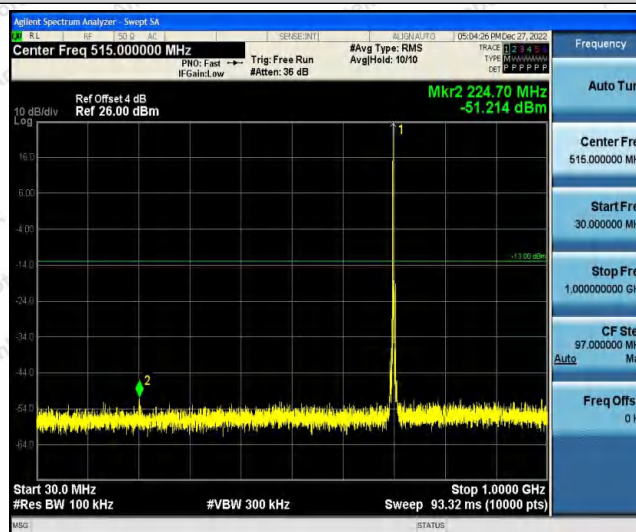




Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz

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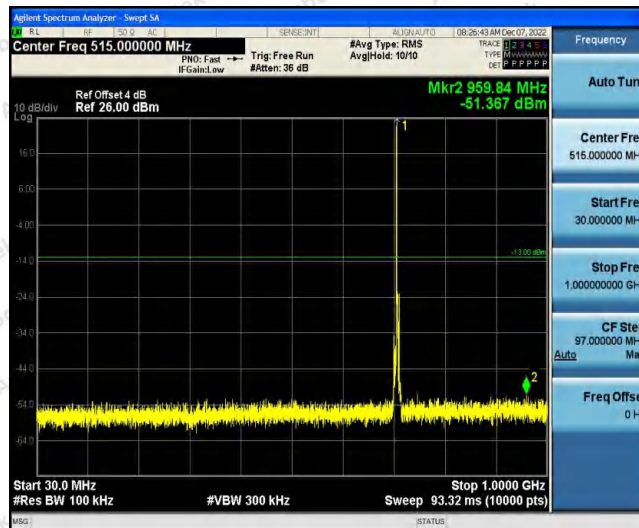


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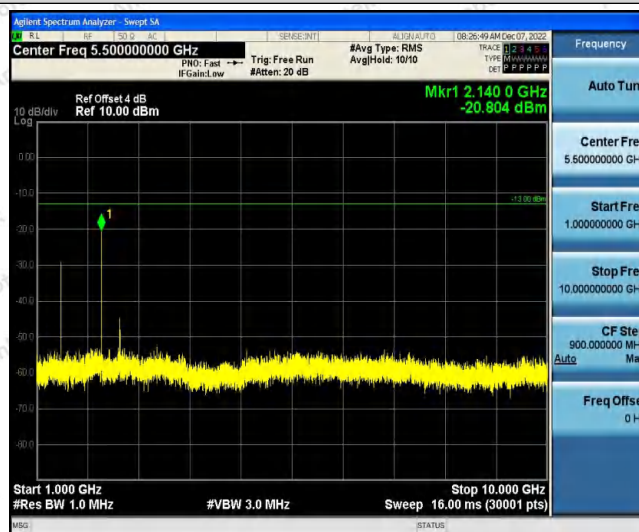




Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz

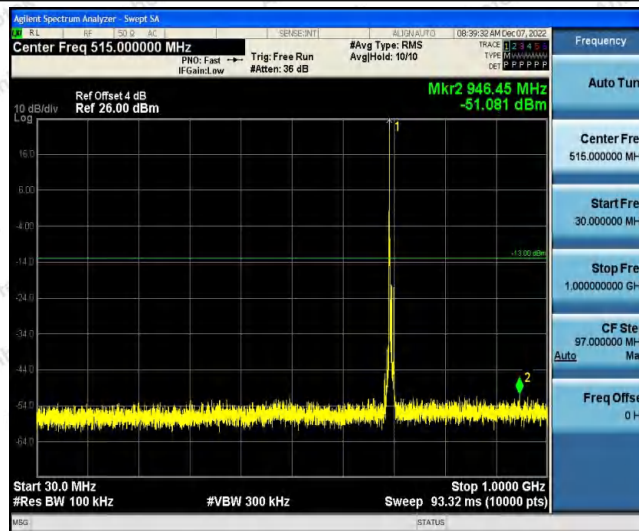
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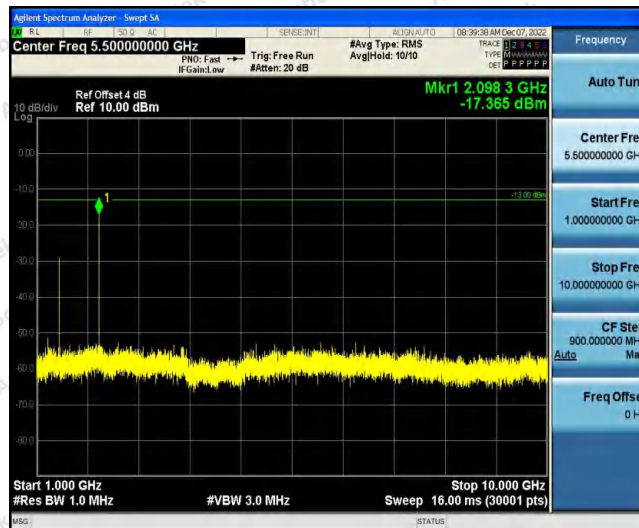


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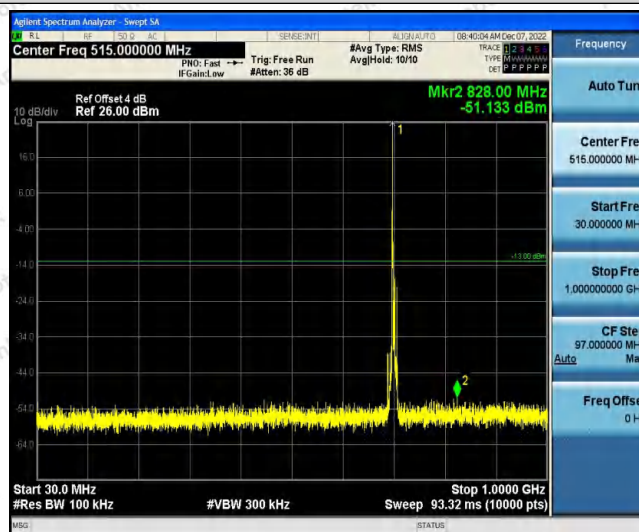




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Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz

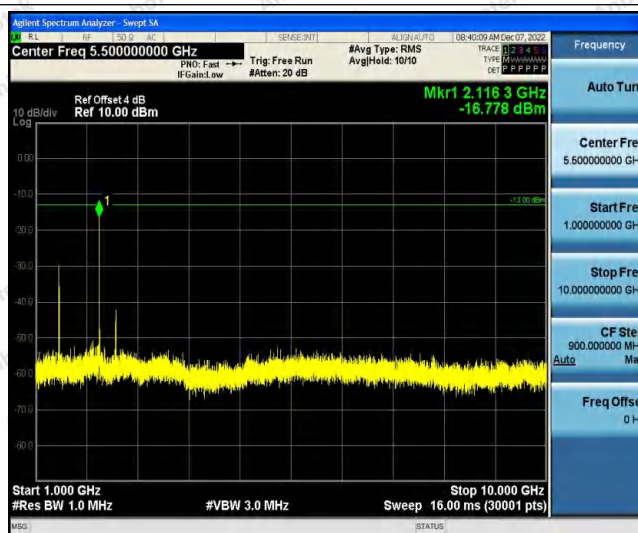
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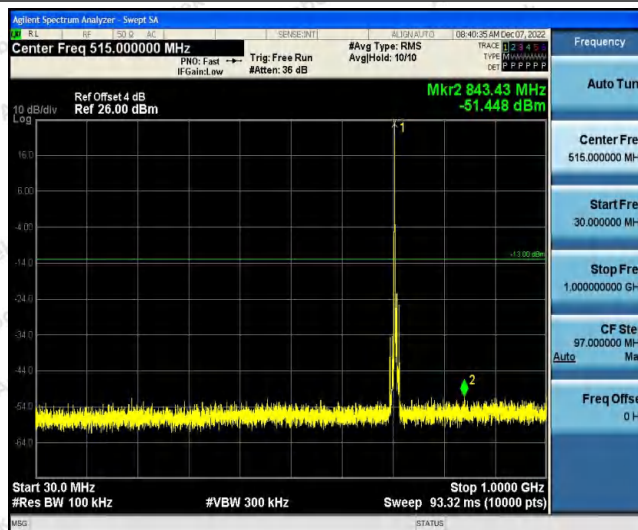


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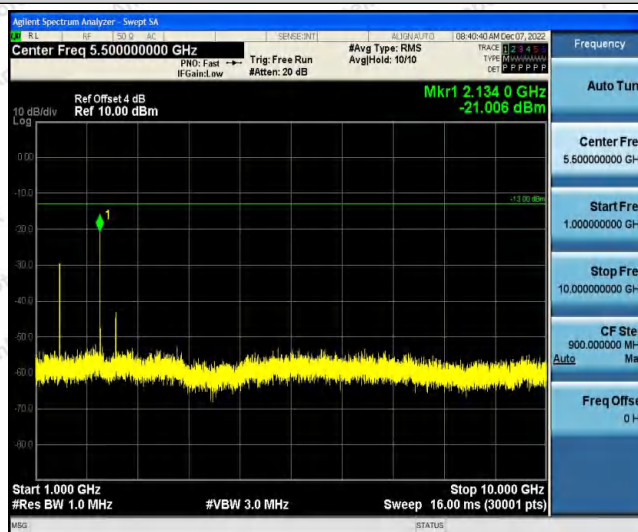




Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz

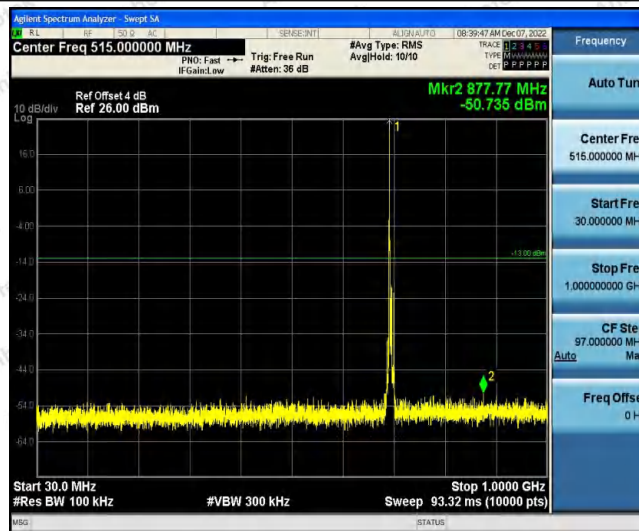
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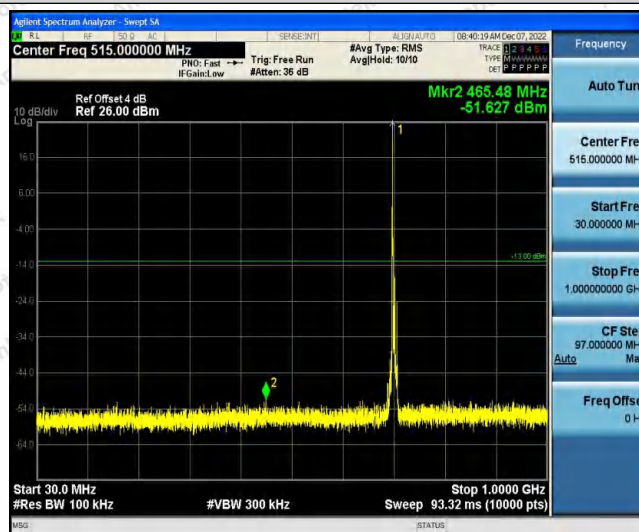




Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz

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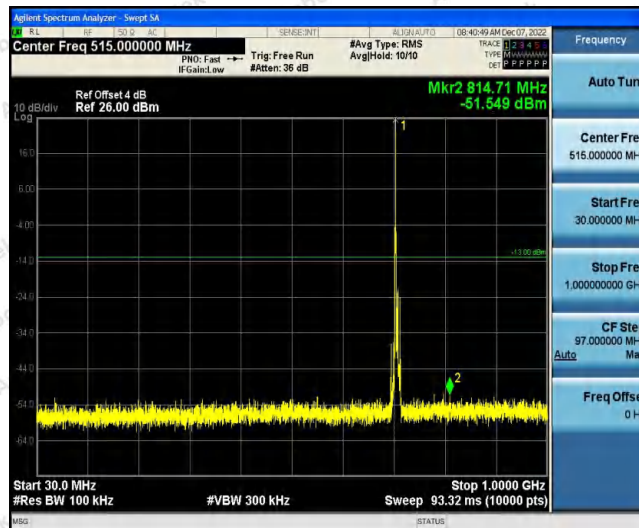


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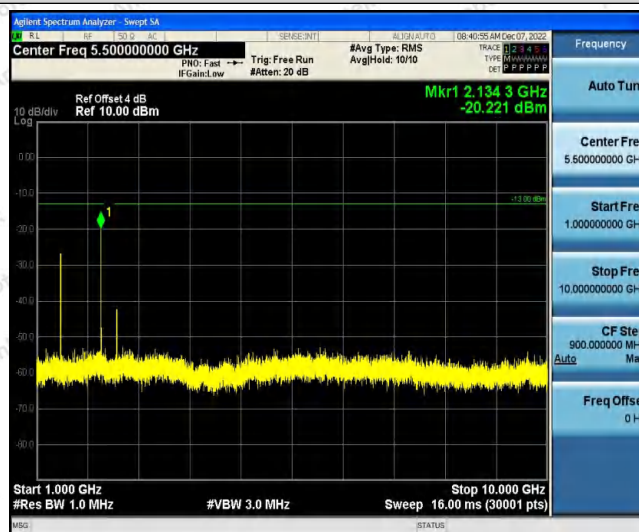




Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz

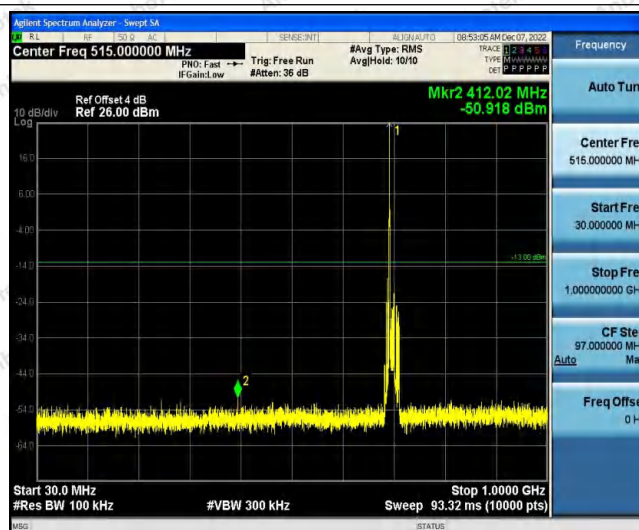
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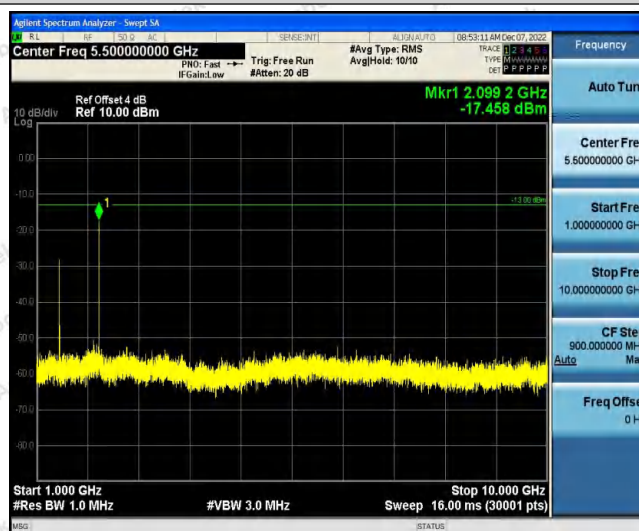


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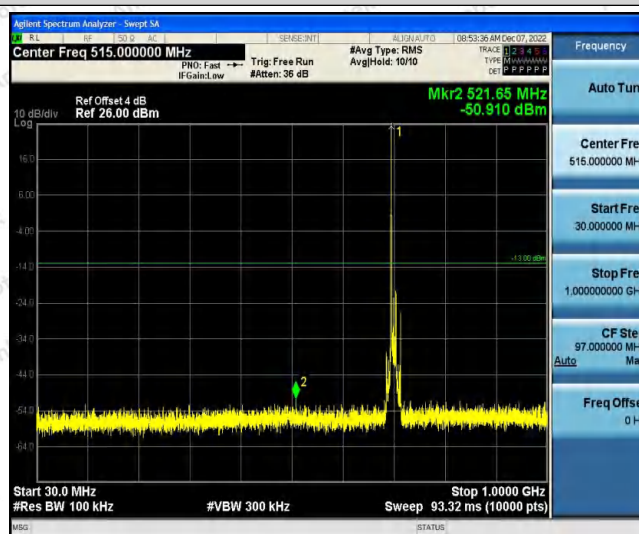




Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz

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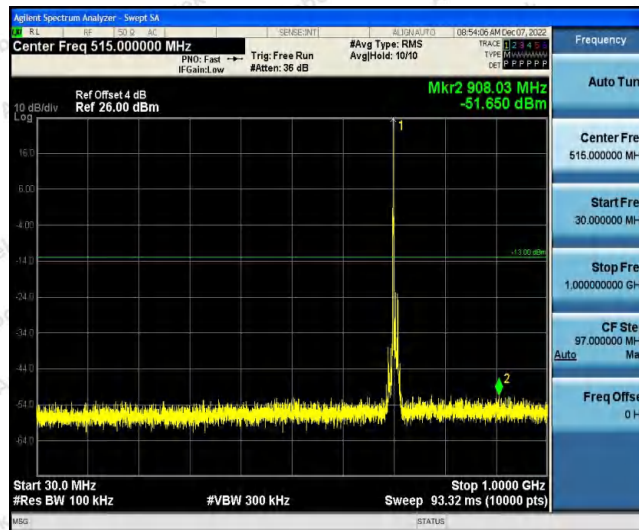


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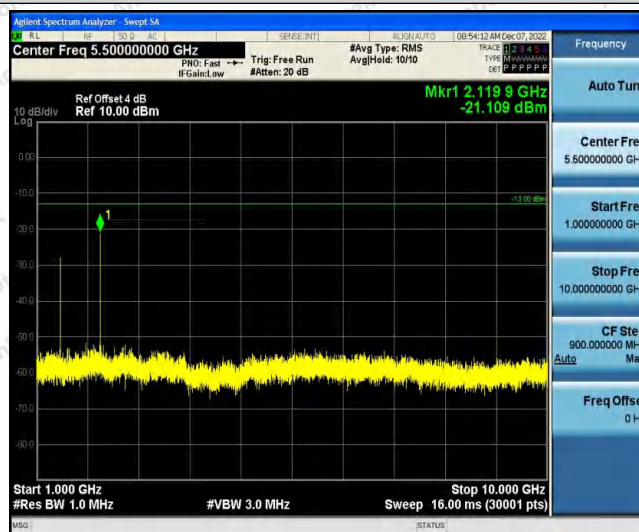




Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



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Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz

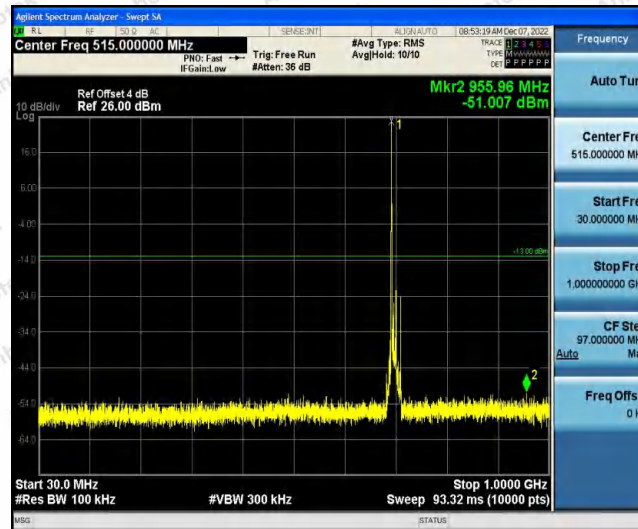
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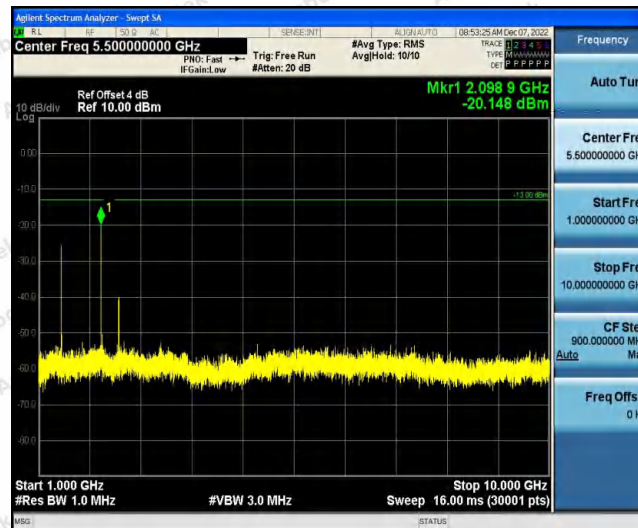


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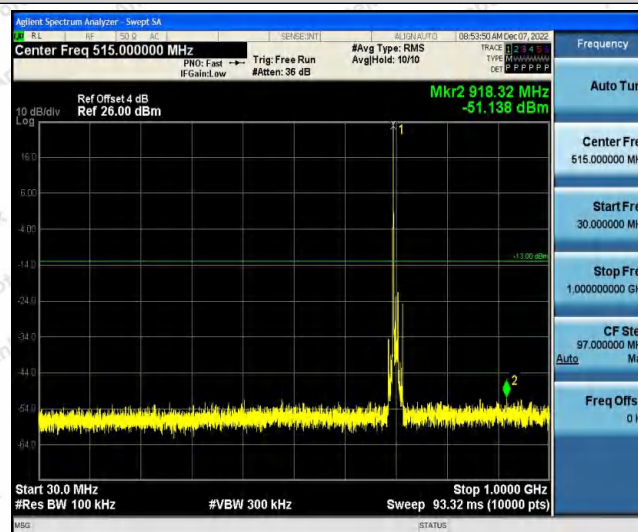




Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz

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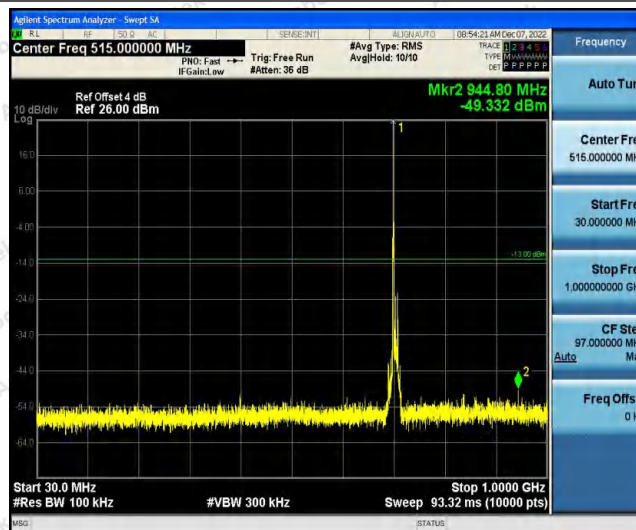


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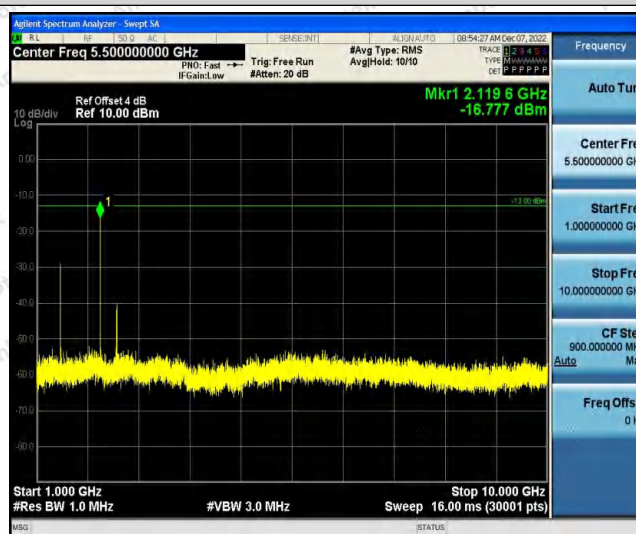




Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



Appendix F: Frequency stability VS Voltage measurement

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band1 2	1.4MHz	QPSK	23017	6RB#0	VL	NT	-7.28	-0.010404	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	VN	NT	-7.48	-0.010690	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	VH	NT	-7.55	-0.010790	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	VL	NT	-11.84	-0.016735	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	VN	NT	-4.28	-0.006049	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	VH	NT	-8.17	-0.011548	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	VL	NT	-7.71	-0.010779	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	VN	NT	-8.51	-0.011897	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	VH	NT	-9.34	-0.013057	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	VL	NT	-3.20	-0.004573	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	VN	NT	-6.57	-0.009390	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	VH	NT	-9.21	-0.013163	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	VL	NT	-9.47	-0.013385	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	VN	NT	-4.88	-0.006898	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	VH	NT	-11.54	-0.016311	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	VL	NT	-10.60	-0.014819	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	VN	NT	-9.87	-0.013798	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	VH	NT	-6.51	-0.009101	±2.5	PASS

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2										
Band1 2	3MHz	QPSK	23025	15RB#0	VL	NT	-3.73	-0.005325	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	VN	NT	-6.37	-0.009094	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	VH	NT	-7.55	-0.010778	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	VL	NT	-9.68	-0.013682	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	VN	NT	-5.06	-0.007152	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	VH	NT	-13.28	-0.018770	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	VL	NT	-11.33	-0.015857	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	VN	NT	-6.75	-0.009447	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	VH	NT	-13.13	-0.018376	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	VL	NT	-5.62	-0.008023	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	VN	NT	-6.52	-0.009308	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	VH	NT	-5.01	-0.007152	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	VL	NT	-10.00	-0.014134	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	VN	NT	-13.52	-0.019110	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	VH	NT	-13.98	-0.019760	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	VL	NT	-7.14	-0.009993	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	VN	NT	-5.36	-0.007502	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	VH	NT	-6.34	-0.008873	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VL	NT	-9.16	-0.013058	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VN	NT	-11.24	-0.016023	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VH	NT	-9.10	-0.012972	±2.5	PASS

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Band1 2	5MHz	QPSK	23095	25RB#0	VL	NT	-7.50	-0.010601	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VN	NT	-6.67	-0.009428	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VH	NT	-10.36	-0.014643	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VL	NT	-7.07	-0.009909	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VN	NT	-8.83	-0.012376	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VH	NT	-8.81	-0.012348	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VL	NT	-7.81	-0.011133	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VN	NT	-7.72	-0.011005	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VH	NT	-12.06	-0.017192	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VL	NT	-6.09	-0.008608	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VN	NT	-9.61	-0.013583	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VH	NT	-5.11	-0.007223	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VL	NT	-7.01	-0.009825	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VN	NT	-6.72	-0.009418	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VH	NT	-5.87	-0.008227	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VL	NT	-8.85	-0.012571	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VN	NT	-7.71	-0.010952	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	VH	NT	-9.50	-0.013494	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	VL	NT	-7.77	-0.010982	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	VN	NT	-6.61	-0.009343	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	VH	NT	-8.71	-0.012311	±2.5	PASS
Band1	10MHz	QPSK	23130	50RB#0	VL	NT	-6.31	-0.008875	±2.5	PASS

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2										
Band1 2	10MHz	QPSK	23130	50RB#0	VN	NT	-8.27	-0.011632	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	VH	NT	-6.61	-0.009297	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	VL	NT	-12.04	-0.017102	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	VN	NT	-11.17	-0.015866	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	VH	NT	-5.98	-0.008494	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	VL	NT	-5.97	-0.008438	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	VN	NT	-5.39	-0.007618	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	VH	NT	-9.46	-0.013371	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	VL	NT	-4.59	-0.006456	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	VN	NT	-5.65	-0.007947	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	VH	NT	-9.03	-0.012700	±2.5	PASS

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Appendix G: Frequency stability VS Temperature measurement

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	-30	-9.93	-0.014192	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	-20	-9.48	-0.013549	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	0	-11.13	-0.015907	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	10	-7.84	-0.011205	±2.5	PASS
Band1 2	1.4MHz	QPSK	23017	6RB#0	NV	20	-7.11	-0.010161	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	-30	-8.85	-0.012509	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	-20	-1.69	-0.002389	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	0	-9.57	-0.013527	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	10	-10.96	-0.015491	±2.5	PASS
Band1 2	1.4MHz	QPSK	23095	6RB#0	NV	20	-11.19	-0.015816	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	-30	-11.59	-0.016203	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	-20	-9.57	-0.013379	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	0	-9.18	-0.012834	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	10	-10.77	-0.015057	±2.5	PASS
Band1 2	1.4MHz	QPSK	23173	6RB#0	NV	20	-9.01	-0.012596	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	-30	-9.68	-0.013835	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	-20	-10.43	-0.014906	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	0	-9.78	-0.013977	±2.5	PASS

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Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	10	-9.47	-0.013534	±2.5	PASS
Band1 2	1.4MHz	16QAM	23017	6RB#0	NV	20	-11.19	-0.015993	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	-30	-7.02	-0.009922	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	-20	-8.18	-0.011562	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	0	-11.99	-0.016947	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	10	-6.67	-0.009428	±2.5	PASS
Band1 2	1.4MHz	16QAM	23095	6RB#0	NV	20	-8.04	-0.011364	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	-30	8.28	0.011576	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	-20	-10.57	-0.014777	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	0	-9.43	-0.013183	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	10	-7.87	-0.011002	±2.5	PASS
Band1 2	1.4MHz	16QAM	23173	6RB#0	NV	20	-7.60	-0.010625	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	-30	-7.48	-0.010678	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	-20	-8.01	-0.011435	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	0	-9.31	-0.013291	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	10	-10.76	-0.015360	±2.5	PASS
Band1 2	3MHz	QPSK	23025	15RB#0	NV	20	-4.39	-0.006267	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	-30	-8.45	-0.011943	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	-20	-6.49	-0.009173	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	0	-11.16	-0.015774	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	10	-11.23	-0.015873	±2.5	PASS
Band1 2	3MHz	QPSK	23095	15RB#0	NV	20	-12.55	-0.017739	±2.5	PASS

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2										
Band1 2	3MHz	QPSK	23165	15RB#0	NV	-30	-12.45	-0.017425	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	-20	-6.92	-0.009685	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	0	-9.33	-0.013058	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	10	-6.34	-0.008873	±2.5	PASS
Band1 2	3MHz	QPSK	23165	15RB#0	NV	20	-5.38	-0.007530	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	-30	-5.39	-0.007695	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	-20	-2.75	-0.003926	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	0	-4.72	-0.006738	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	10	-8.01	-0.011435	±2.5	PASS
Band1 2	3MHz	16QAM	23025	15RB#0	NV	20	-11.33	-0.016174	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	-30	-9.76	-0.013795	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	-20	-10.84	-0.015322	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	0	-12.90	-0.018233	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	10	-5.49	-0.007760	±2.5	PASS
Band1 2	3MHz	16QAM	23095	15RB#0	NV	20	-8.87	-0.012537	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	-30	-12.85	-0.017985	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	-20	-9.01	-0.012610	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	0	-6.72	-0.009405	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	10	-6.12	-0.008565	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	20	-9.33	-0.013058	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	-30	-5.65	-0.008054	±2.5	PASS

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Band1 2	5MHz	QPSK	23035	25RB#0	NV	-20	-9.48	-0.013514	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	0	-6.52	-0.009294	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	10	-6.05	-0.008624	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	20	-7.11	-0.010135	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	-30	-13.72	-0.019392	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	-20	-9.77	-0.013809	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	0	-10.76	-0.015208	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	10	-6.38	-0.009018	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	20	-11.03	-0.015590	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	-30	-8.05	-0.011282	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	-20	-3.36	-0.004709	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	0	-7.58	-0.010624	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	10	-8.47	-0.011871	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	NV	20	-8.17	-0.011451	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	-30	-7.27	-0.010364	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	-20	-8.78	-0.012516	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	0	-8.13	-0.011589	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	10	-7.05	-0.010050	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	NV	20	-11.04	-0.015738	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	-30	-8.68	-0.012269	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	-20	-6.95	-0.009823	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	0	-5.39	-0.007618	±2.5	PASS

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Band1 2	5MHz	16QAM	23095	25RB#0	NV	10	-5.02	-0.007095	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	NV	20	-8.14	-0.011505	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	-30	-13.95	-0.019552	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	-20	-10.37	-0.014534	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	0	-10.39	-0.014562	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	10	-8.25	-0.011563	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	NV	20	-12.07	-0.016917	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-30	-7.45	-0.010582	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-20	-7.55	-0.010724	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	0	-12.13	-0.017230	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	10	-11.34	-0.016108	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	20	-11.22	-0.015938	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	-30	-8.83	-0.012481	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	-20	-8.20	-0.011590	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	0	-8.10	-0.011449	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	10	-5.04	-0.007124	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	20	-11.47	-0.016212	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-30	-9.84	-0.013840	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-20	-9.77	-0.013741	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	0	-7.93	-0.011153	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	10	-6.18	-0.008692	±2.5	PASS

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Band1 2	10MHz	QPSK	23130	50RB#0	NV	20	-6.22	-0.008748	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	-30	-8.74	-0.012415	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	-20	-7.08	-0.010057	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	0	-6.04	-0.008580	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	10	-7.90	-0.011222	±2.5	PASS
Band1 2	10MHz	16QAM	23060	50RB#0	NV	20	-9.97	-0.014162	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	-30	-9.93	-0.014035	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	-20	-8.15	-0.011519	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	0	-6.61	-0.009343	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	10	-3.76	-0.005314	±2.5	PASS
Band1 2	10MHz	16QAM	23095	50RB#0	NV	20	-13.23	-0.018700	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	-30	-10.66	-0.014993	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	-20	-8.90	-0.012518	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	0	-8.10	-0.011392	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	10	-7.25	-0.010197	±2.5	PASS
Band1 2	10MHz	16QAM	23130	50RB#0	NV	20	-5.38	-0.007567	±2.5	PASS

---End---

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