



Appendix H: Test Data for E-UTRA Band 13

Product Name: 4G Phone

Test Model: HIT-01

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.87	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.83	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.64	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.90	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.86	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.69	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.73	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.88	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.16	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.88	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.84	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.83	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.99	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.03	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.92	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.10	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.97	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.04	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.13	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.02	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.11	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.75	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.85	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.79	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.85	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.76	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.95	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.93	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.97	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.79	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.84	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.83	PASS



Band13	5MHz	16QAM	23230	12RB#13	21.87	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.04	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.90	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.18	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.91	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.10	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.18	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.07	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.97	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.95	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.03	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.94	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.11	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.02	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.13	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.09	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.07	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.37	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.19	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.11	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.01	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.06	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.99	PASS



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

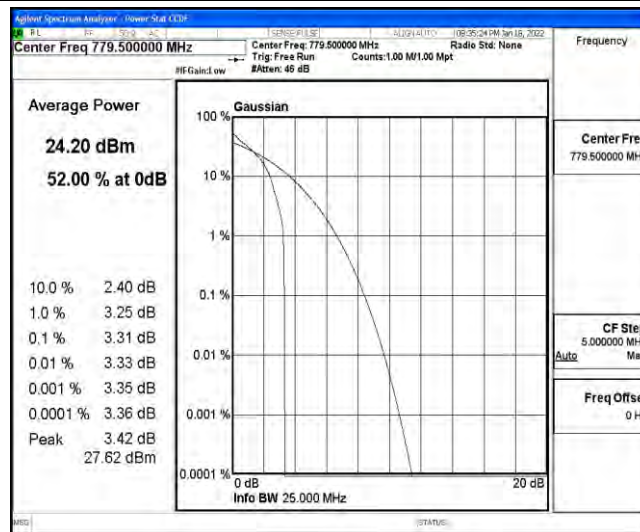
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.31	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.09	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.36	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.20	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.51	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.47	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.27	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.81	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.15	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.25	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.51	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.40	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.45	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.51	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.26	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.38	13	PASS

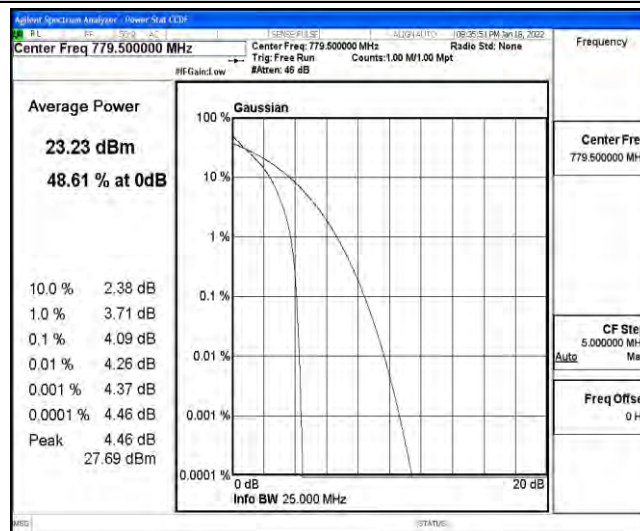


Test Graphs

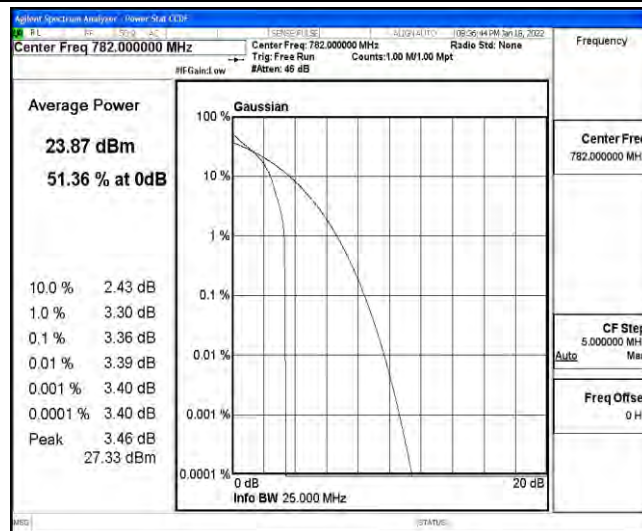
Band13-5MHz-QPSK-23205-1RB#0



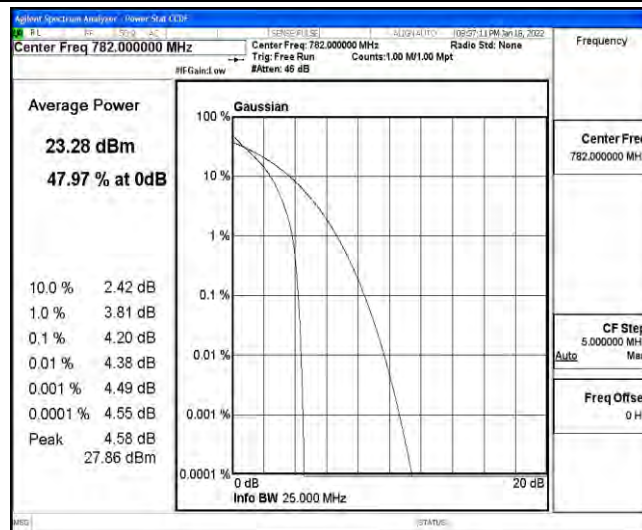
Band13-5MHz-QPSK-23205-25RB#0



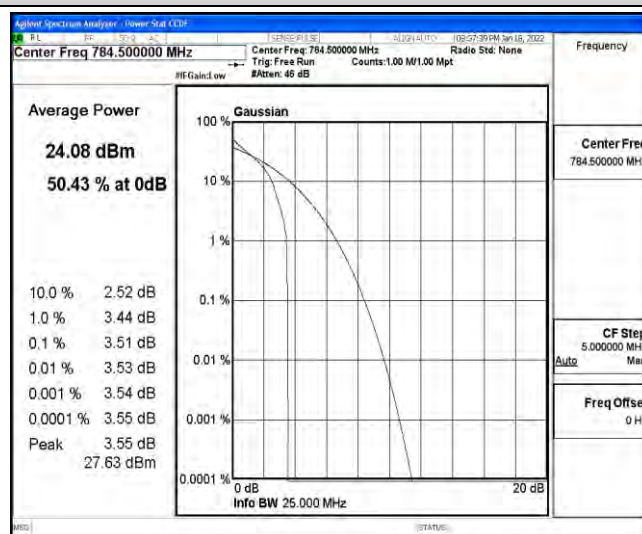
Band13-5MHz-QPSK-23230-1RB#0



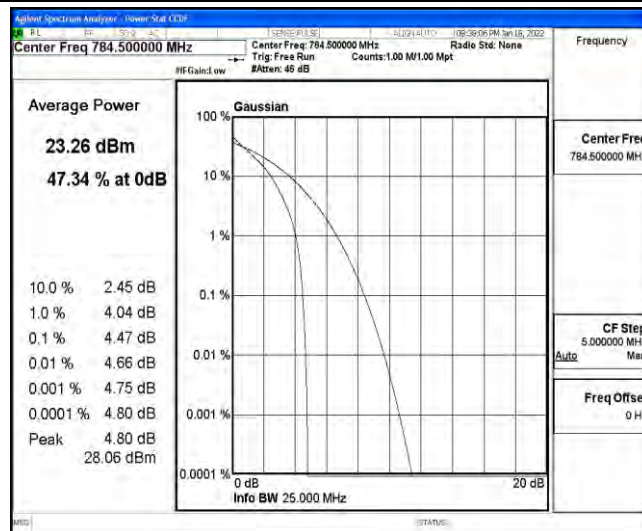
Band13-5MHz-QPSK-23230-25RB#0



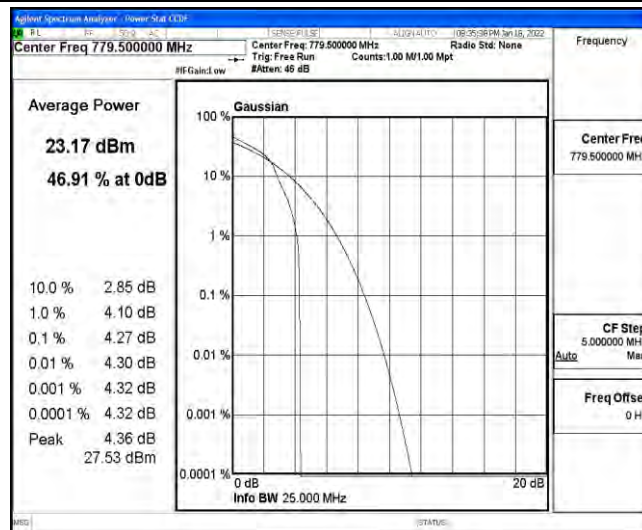
Band13-5MHz-QPSK-23255-1RB#0



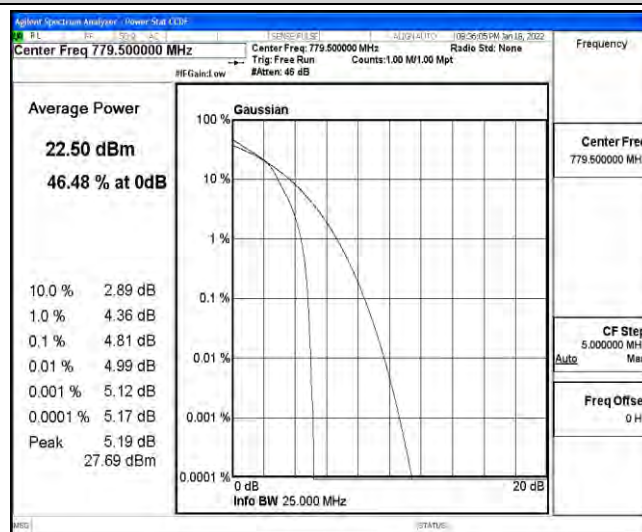
Band13-5MHz-QPSK-23255-25RB#0



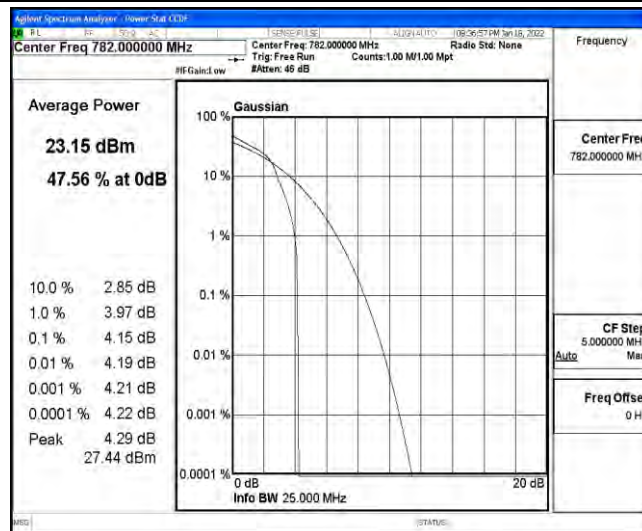
Band13-5MHz-16QAM-23205-1RB#0



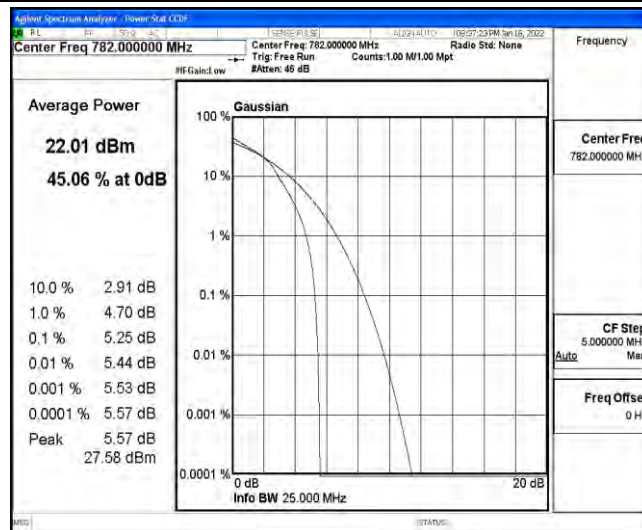
Band13-5MHz-16QAM-23205-25RB#0



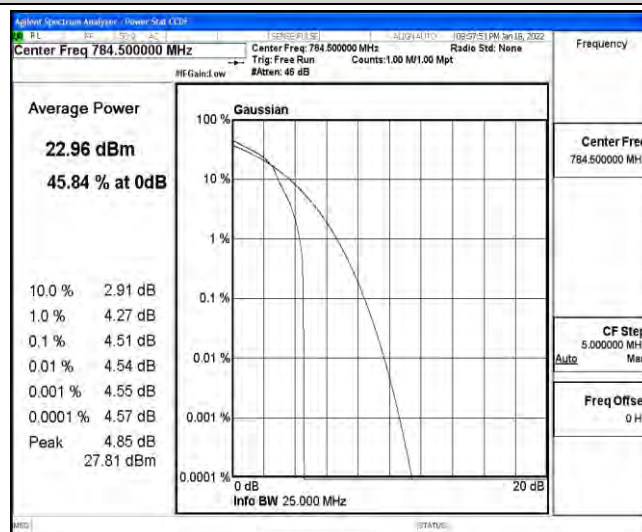
Band13-5MHz-16QAM-23230-1RB#0



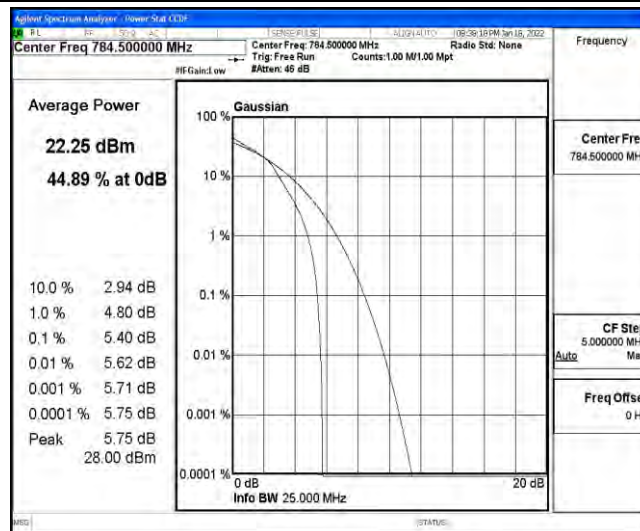
Band13-5MHz-16QAM-23230-25RB#0



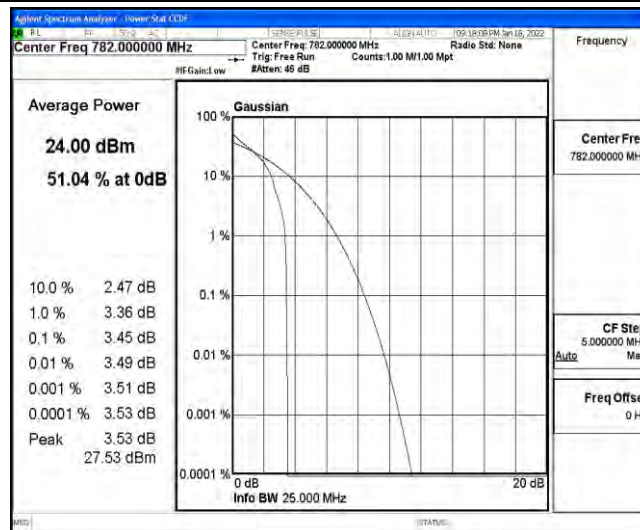
Band13-5MHz-16QAM-23255-1RB#0



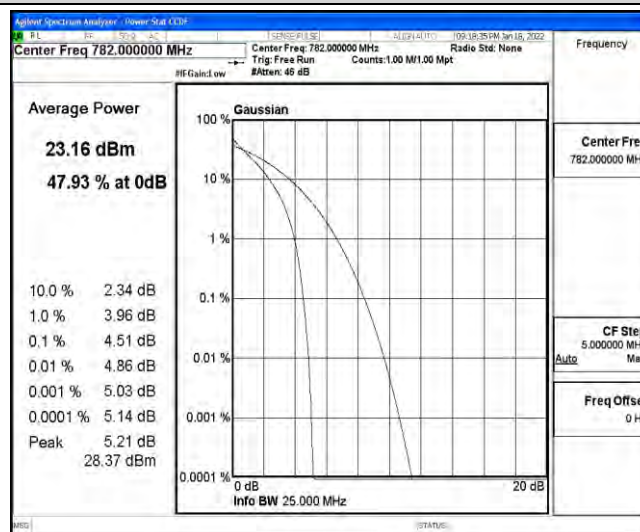
Band13-5MHz-16QAM-23255-25RB#0



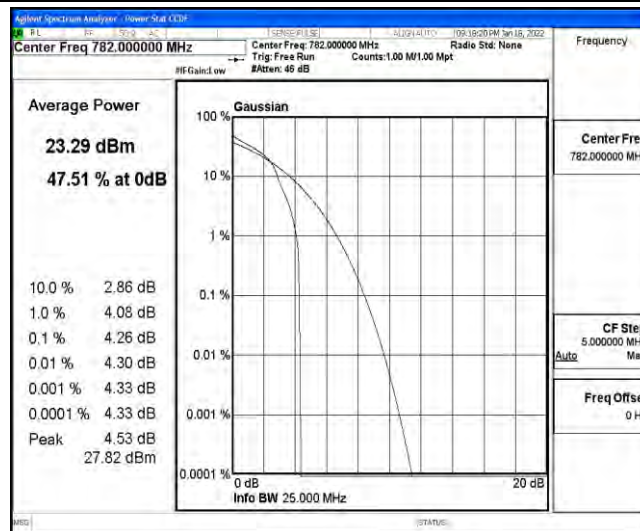
Band13-10MHz-QPSK-23230-1RB#0



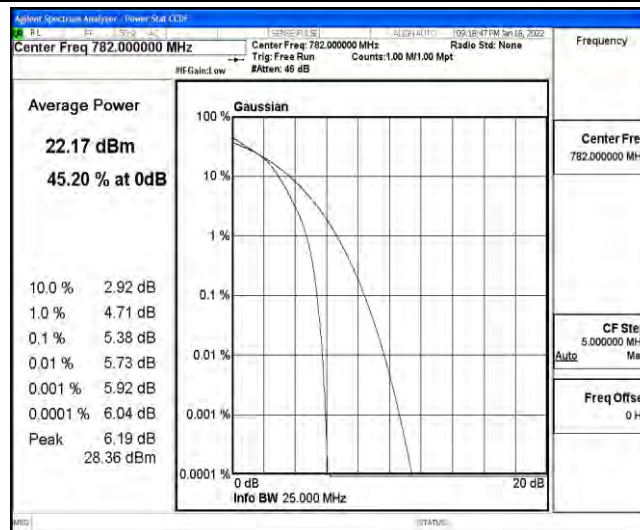
Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-50RB#0





H.3 26dB Bandwidth and Occupied Bandwidth

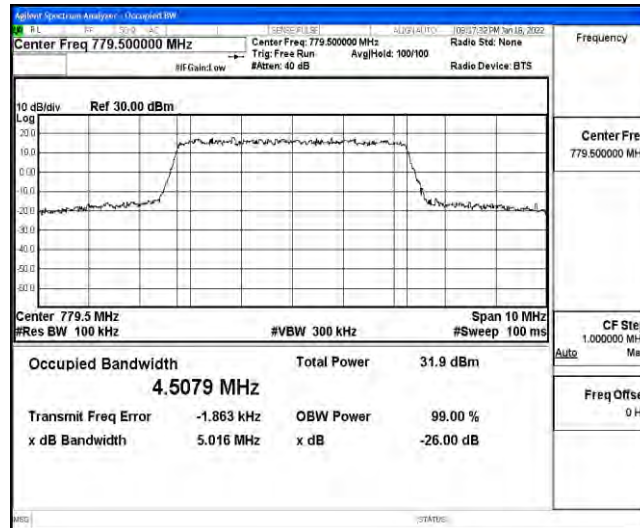
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5079	5.016	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5078	5.038	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5038	4.989	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4975	5.001	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5060	4.980	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5062	4.996	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9483	9.873	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9591	9.857	PASS

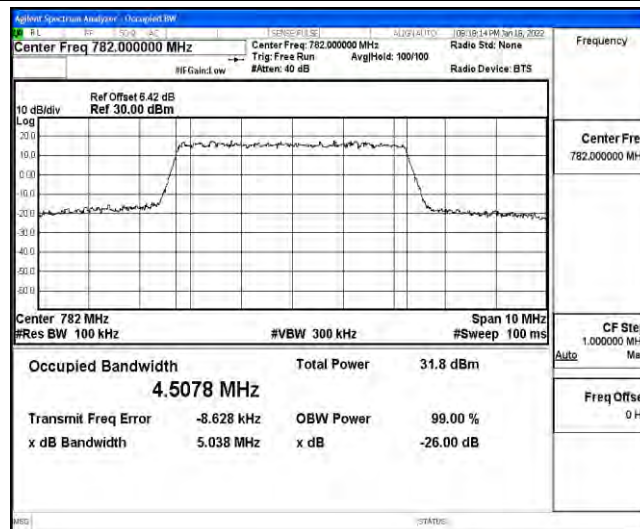


Test Graphs

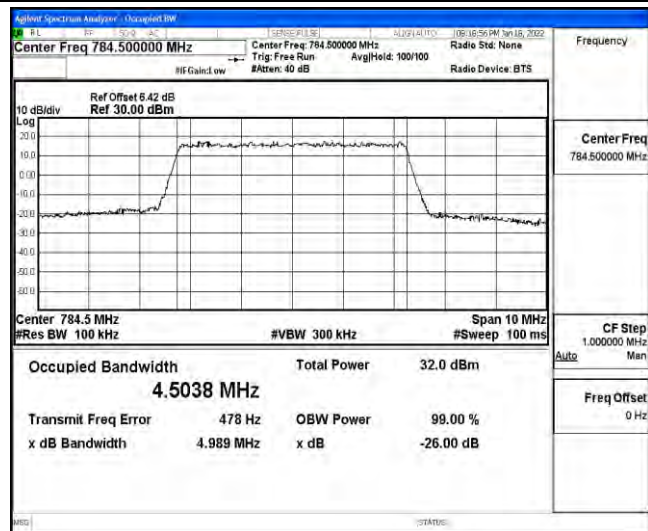
Band13-5MHz-QPSK-23205-25RB#0



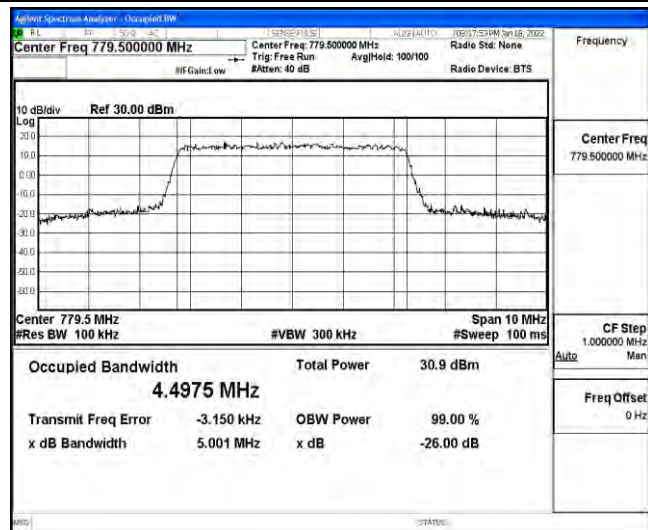
Band13-5MHz-QPSK-23230-25RB#0



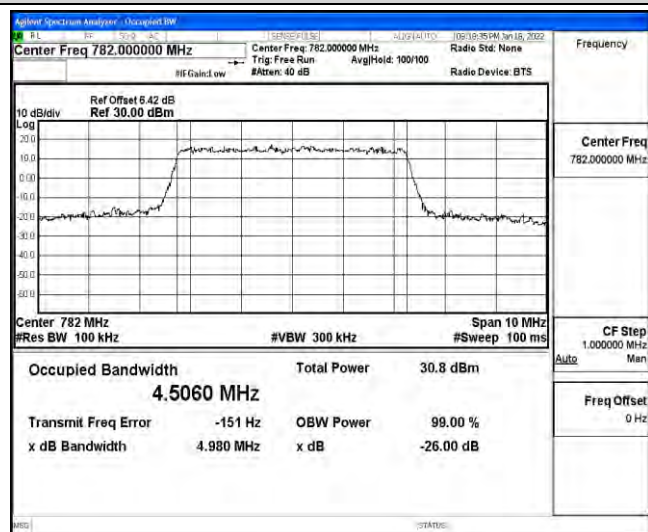
Band13-5MHz-QPSK-23255-25RB#0



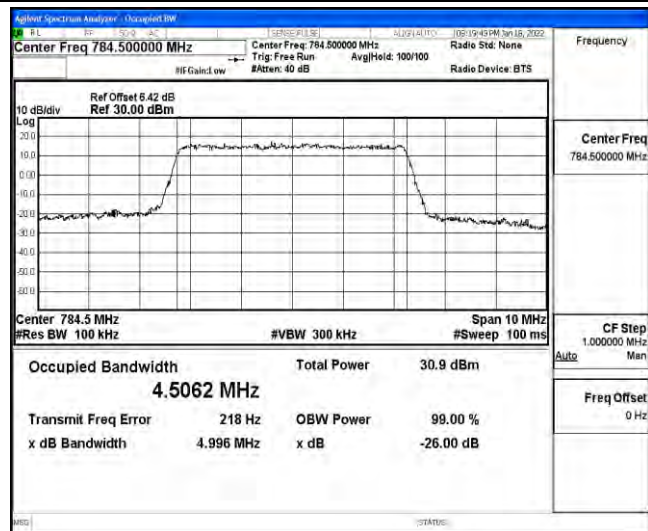
Band13-5MHz-16QAM-23205-25RB#0



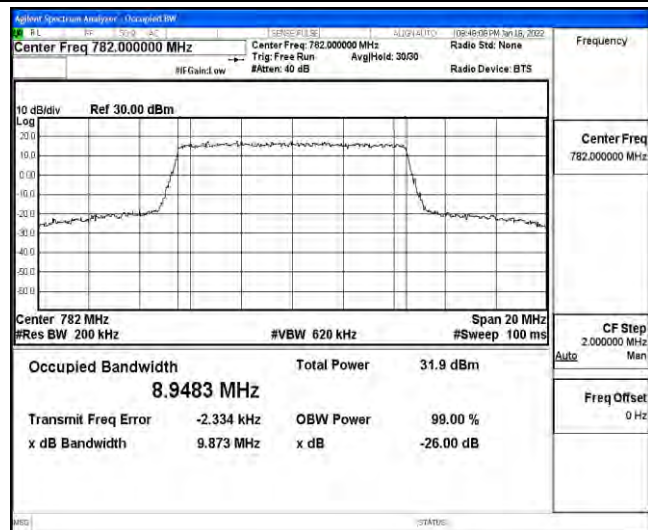
Band13-5MHz-16QAM-23230-25RB#0



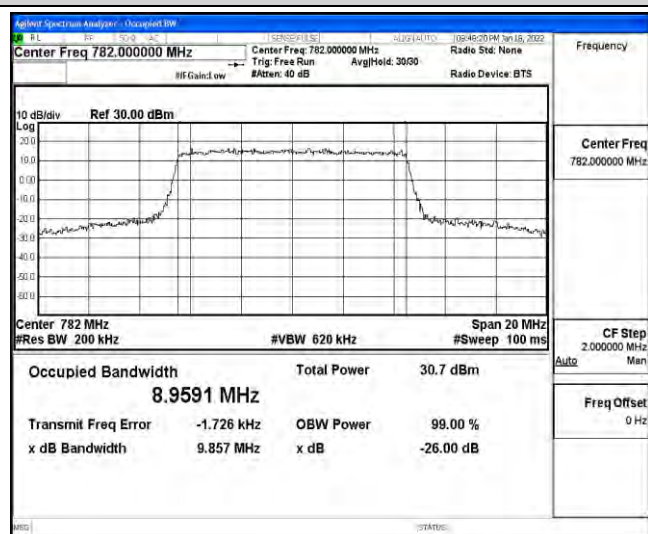
Band13-5MHz-16QAM-23255-25RB#0



Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0





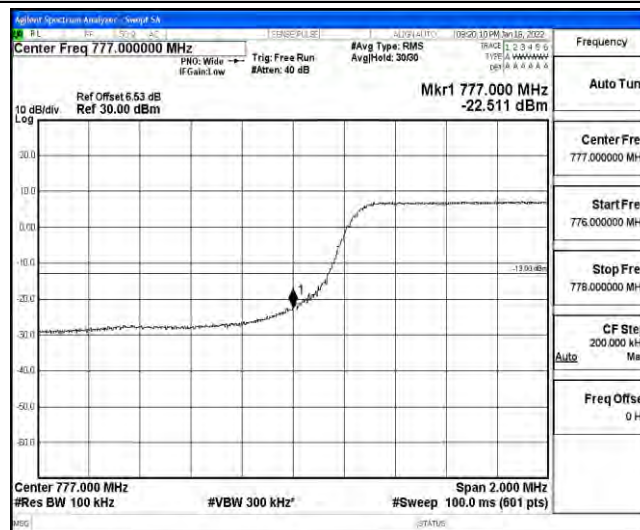
H.4 Band Edge

Test Result

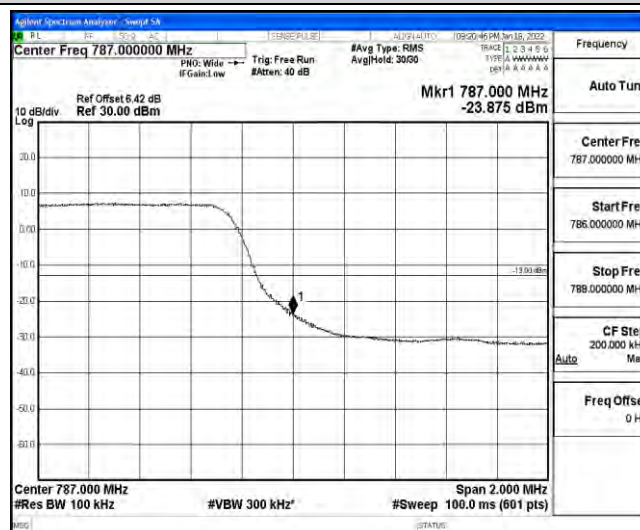
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-22.51	PASS
Band13	5MHz	QPSK	23255	25RB#0	-23.87	PASS
Band13	5MHz	16QAM	23205	25RB#0	-24.10	PASS
Band13	5MHz	16QAM	23255	25RB#0	-25.23	PASS
Band13	10MHz	QPSK	23230	50RB#0	-25.13,-25.99	PASS
Band13	10MHz	16QAM	23230	50RB#0	-27.07,-28.17	PASS

Test Graphs

Band13-5MHz-QPSK-23205-25RB#0

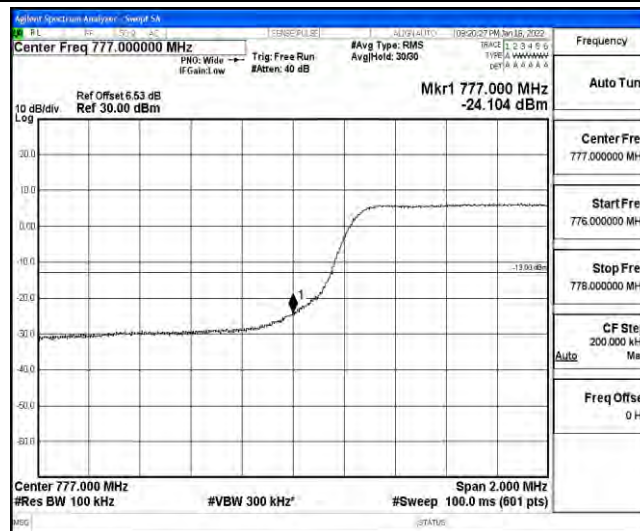


Band13-5MHz-QPSK-23255-25RB#0

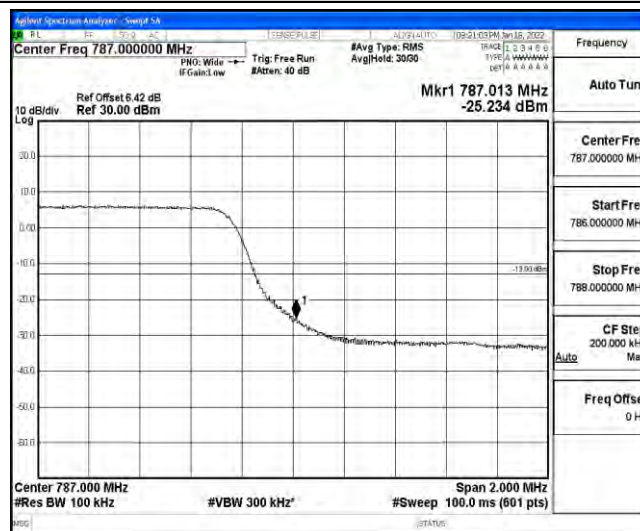




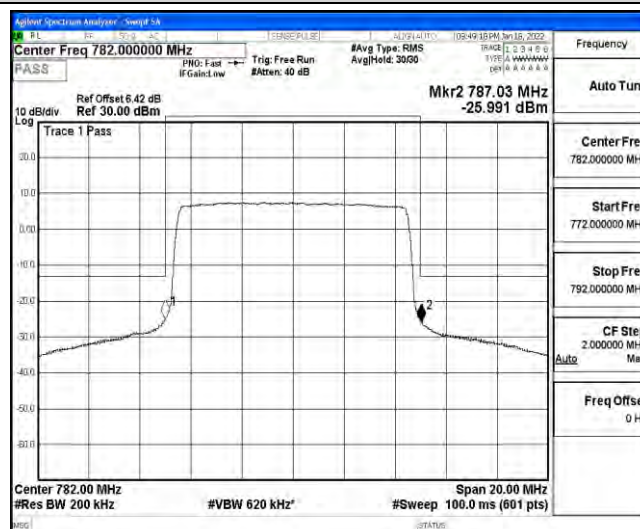
Band13-5MHz-16QAM-23205-25RB#0



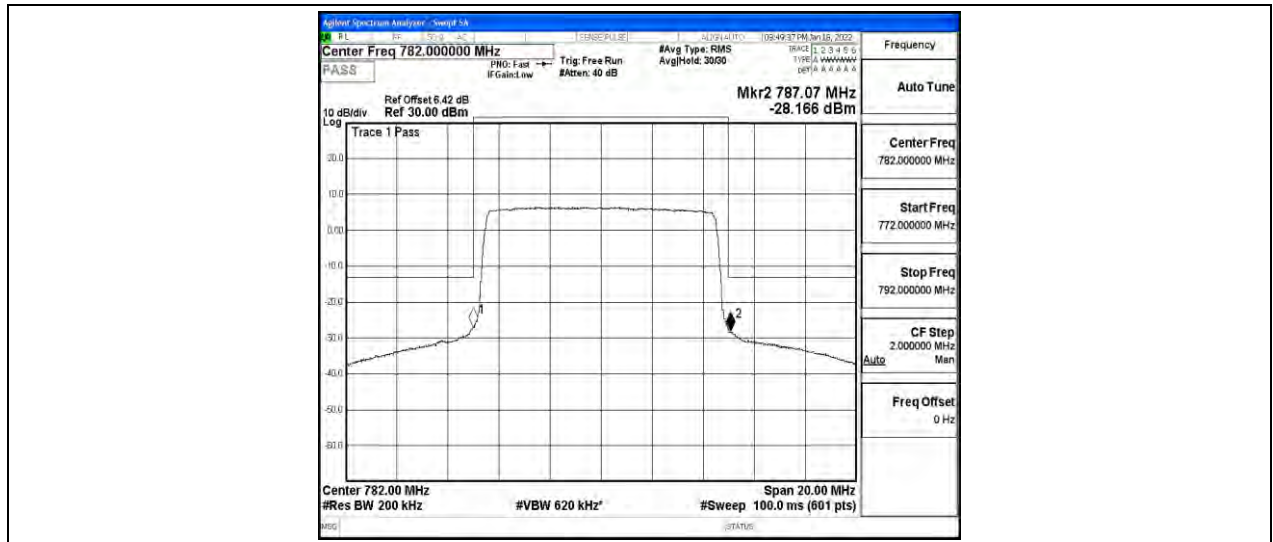
Band13-5MHz-16QAM-23255-25RB#0



Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0





H.5 Conducted Spurious Emission

Test Result

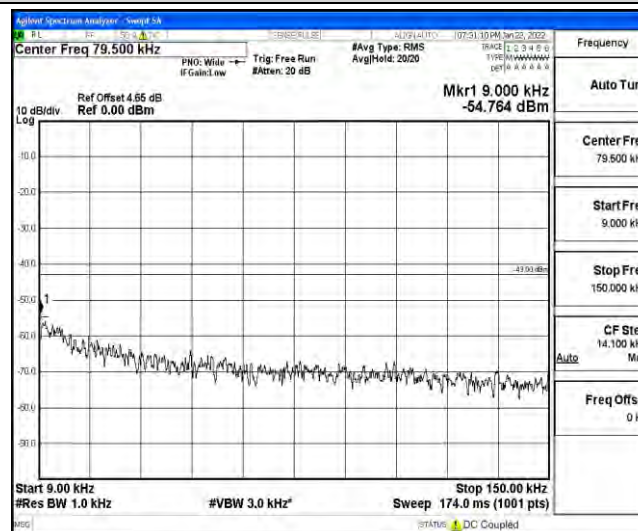
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:0.009~0.15MHz	-54.76	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:0.15~30MHz	-50.72	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:30~1000MHz	-38.87	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range5:763~775MHz	-52.35	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range6:793~805MHz	-60.15	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range4:1000~10000MHz	-44.24	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range7:1559~1610MHz	-61.92	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	-56.26	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	-52.32	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	-39.54	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range5:763~775MHz	-60.2	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range6:793~805MHz	-60.87	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range4:1000~10000MHz	-44.52	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range7:1559~1610MHz	-63.76	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:0.009~0.15MHz	-54.81	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:0.15~30MHz	-51.05	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:30~1000MHz	-39.88	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range5:763~775MHz	-57.82	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range6:793~805MHz	-60.6	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range7:1559~1610MHz	-63.88	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:0.009~0.15MHz	-55.53	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:0.15~30MHz	-52.43	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:30~1000MHz	-39.94	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range5:763~775MHz	-53.83	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range6:793~805MHz	-60.07	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:1000~10000MHz	-44.49	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range7:1559~1610MHz	-62.04	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	-53.54	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	-52.64	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	-40.2	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range5:763~775MHz	-58.56	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range6:793~805MHz	-60.43	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range7:1559~1610MHz	-63.59	PASS



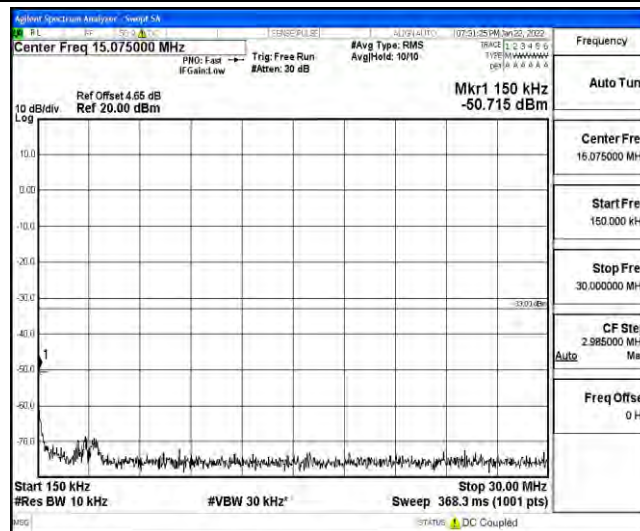
Band13	5MHz	16QAM	23255	1RB#0	Range1:0.009~0.15MHz	-56.03	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:0.15~30MHz	-50.79	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:30~1000MHz	-41.38	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:763~775MHz	-56.38	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range6:793~805MHz	-60.92	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:1000~10000MHz	-44.78	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range7:1559~1610MHz	-63.86	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	-54.97	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	-52.68	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	-40.94	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:763~775MHz	-49.38	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range6:793~805MHz	-55.96	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:1000~10000MHz	-44.37	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range7:1559~1610MHz	-61.78	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	-53.73	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	-51.39	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	-39.81	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range5:763~775MHz	-54.94	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range6:793~805MHz	-57.67	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range4:1000~10000MHz	-44.78	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range7:1559~1610MHz	-62.18	PASS

Test Graphs

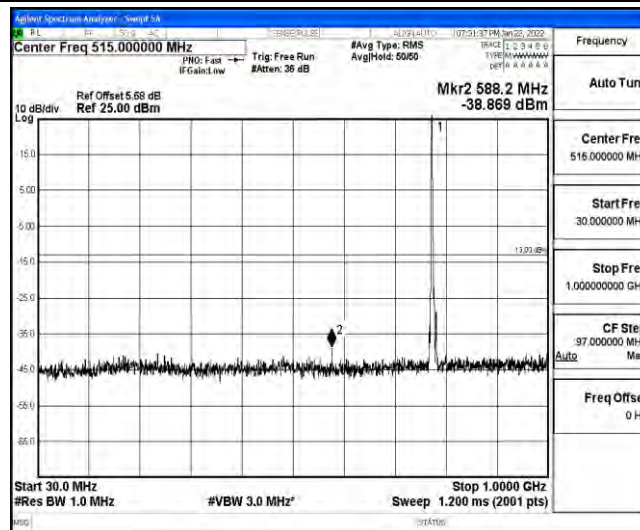
Band13-5MHz-QPSK-23205-1RB#0-Range1:0.009~0.15MHz



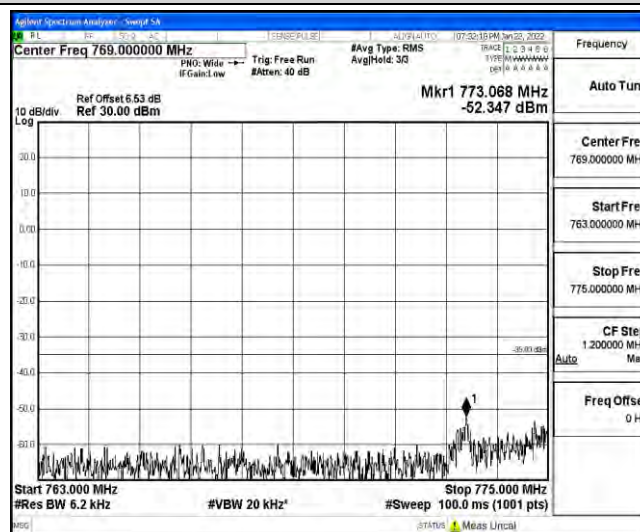
Band13-5MHz-QPSK-23205-1RB#0-Range2:0.15~30MHz



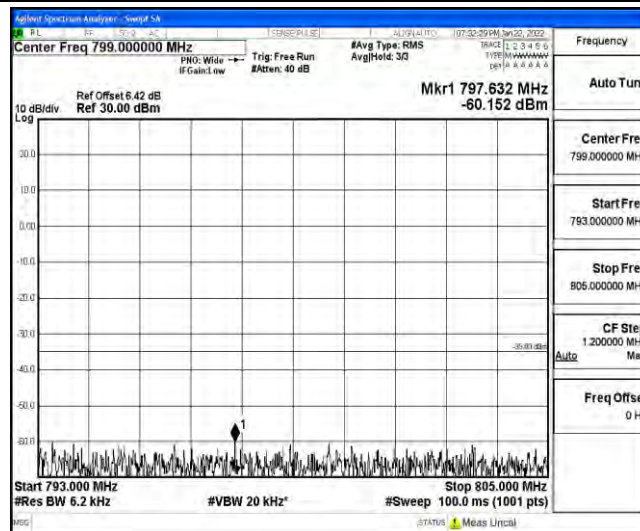
Band13-5MHz-QPSK-23205-1RB#0-Range3:30~1000MHz



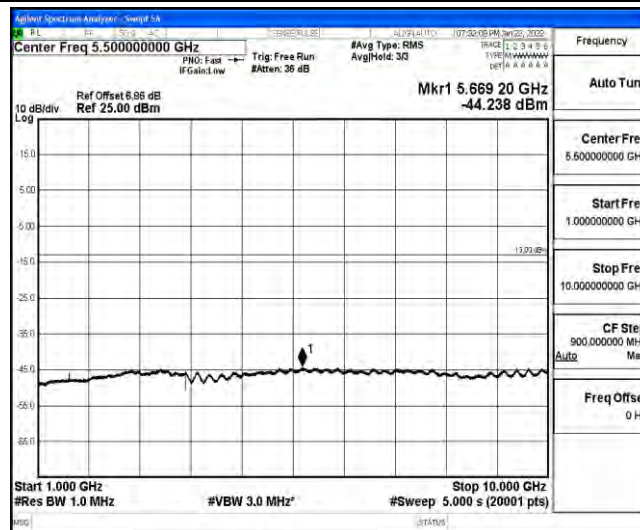
Band13-5MHz-QPSK-23205-1RB#0-Range5:763~775MHz



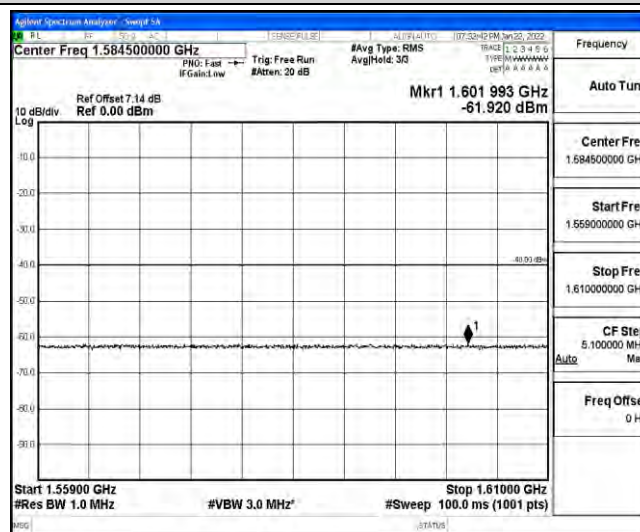
Band13-5MHz-QPSK-23205-1RB#0-Range6:793~805MHz



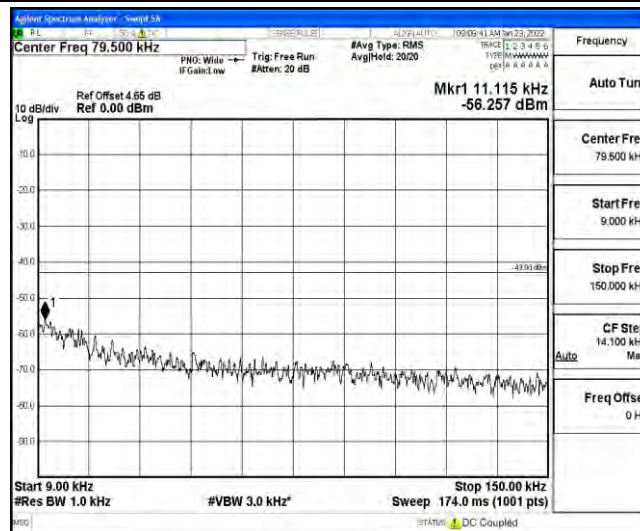
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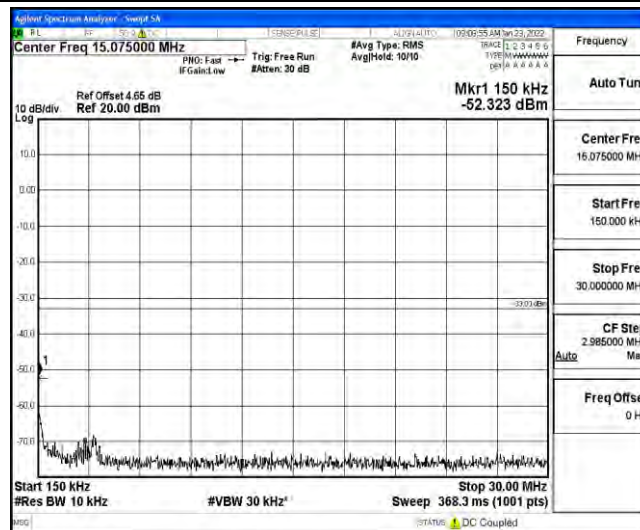
Band13-5MHz-QPSK-23205-1RB#0-Range7:1559~1610MHz



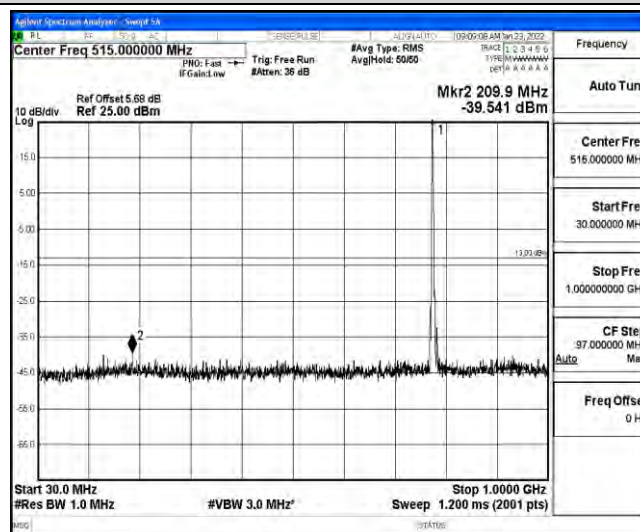
Band13-5MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



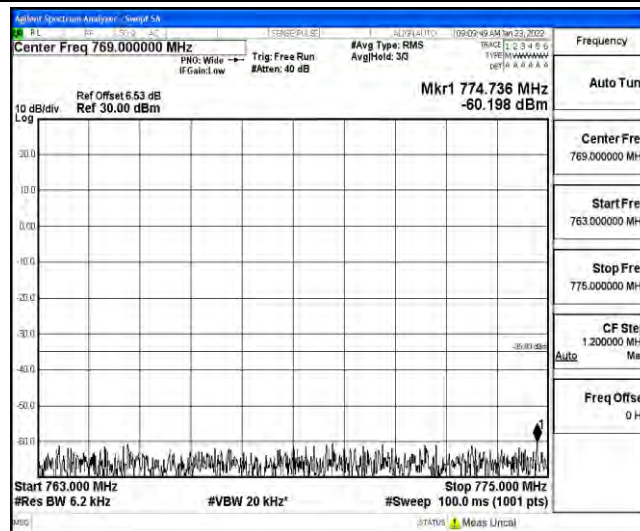
Band13-5MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



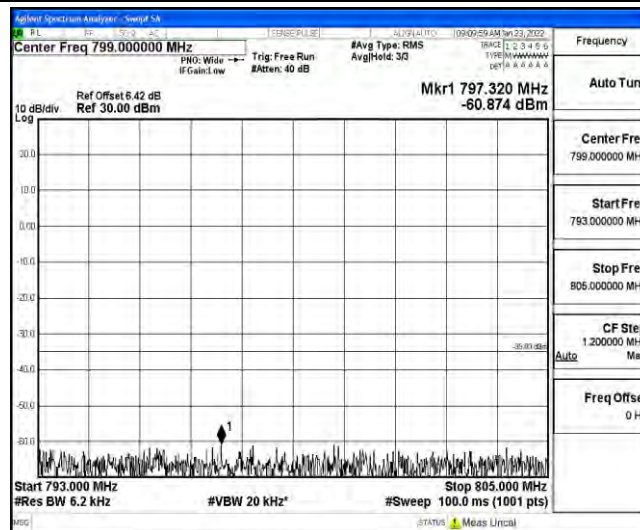
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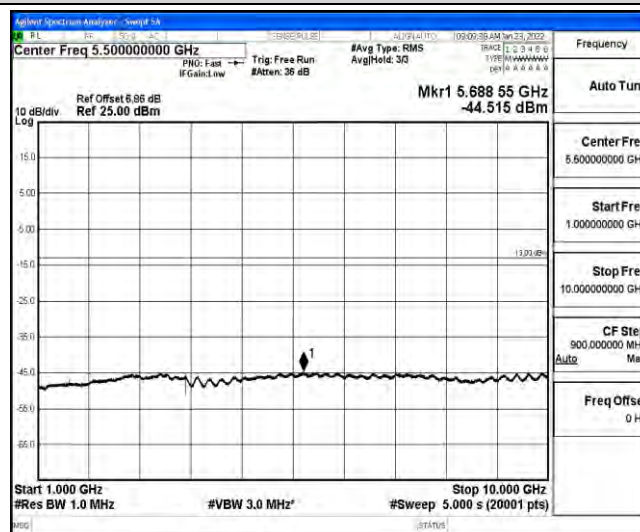
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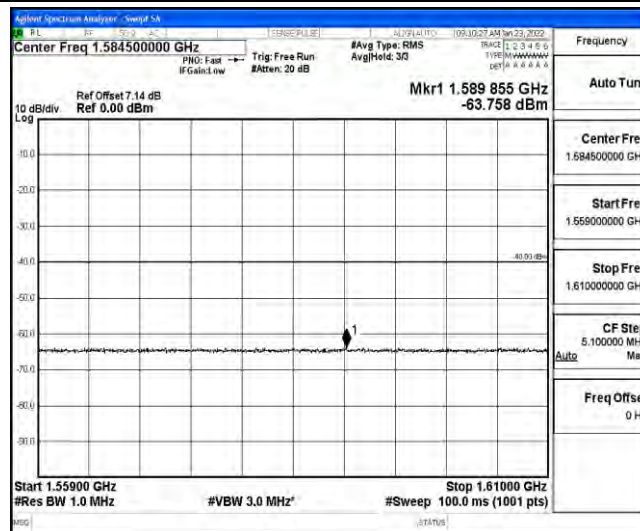
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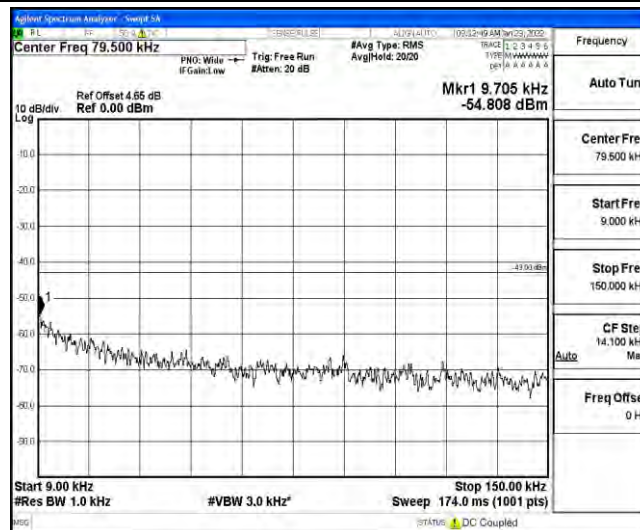
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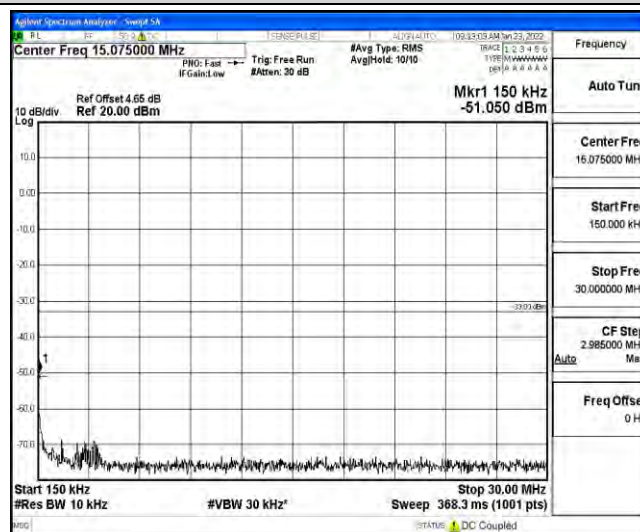
Band13-5MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



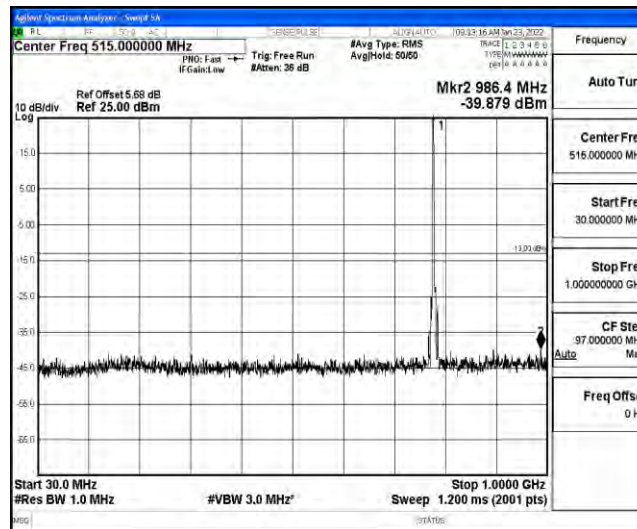
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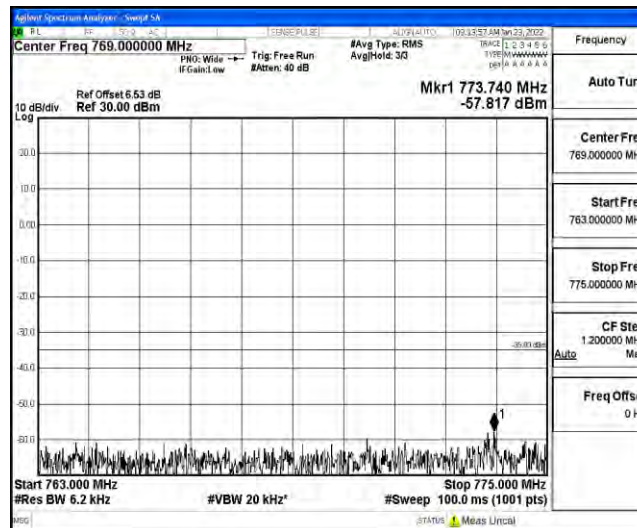
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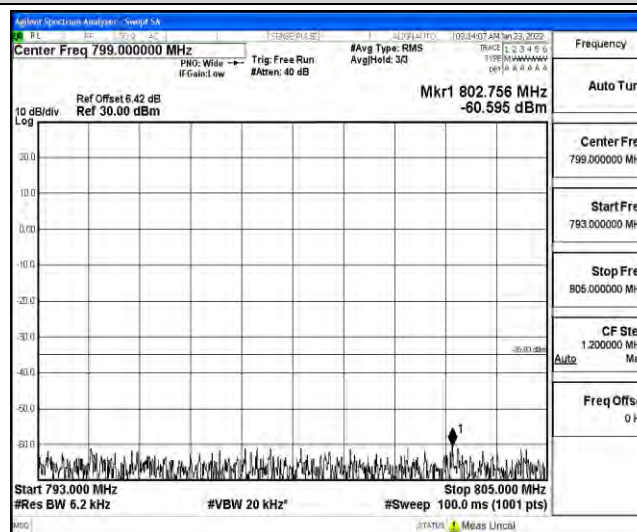
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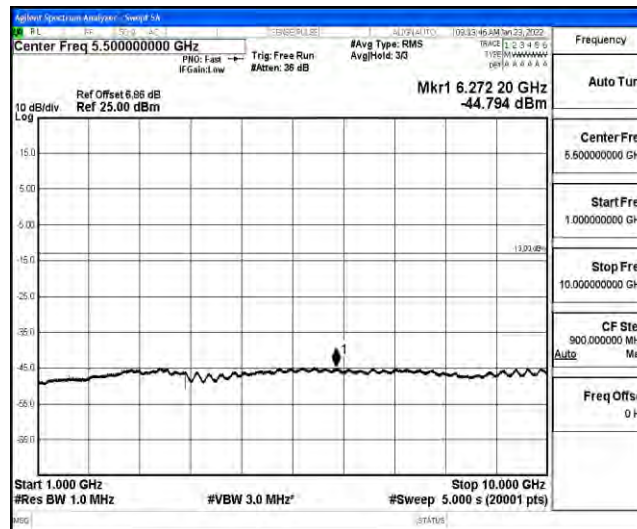
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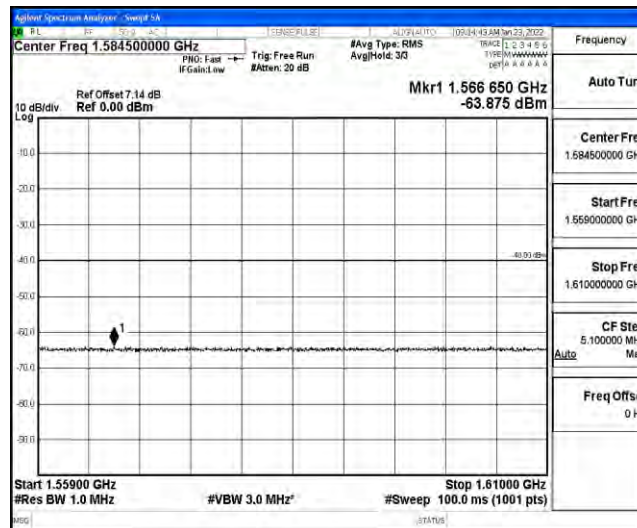
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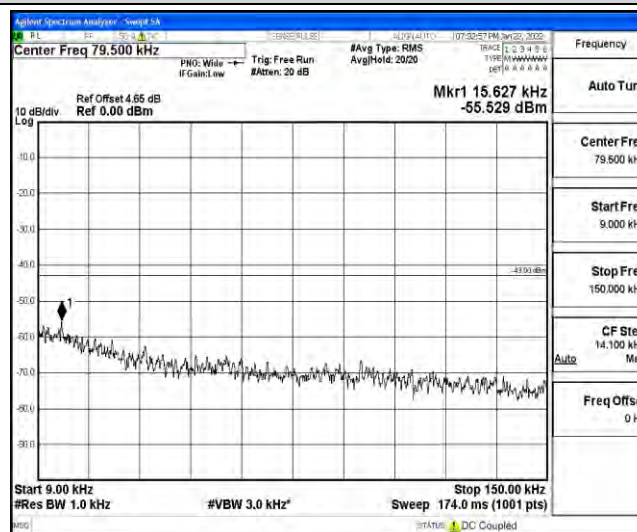
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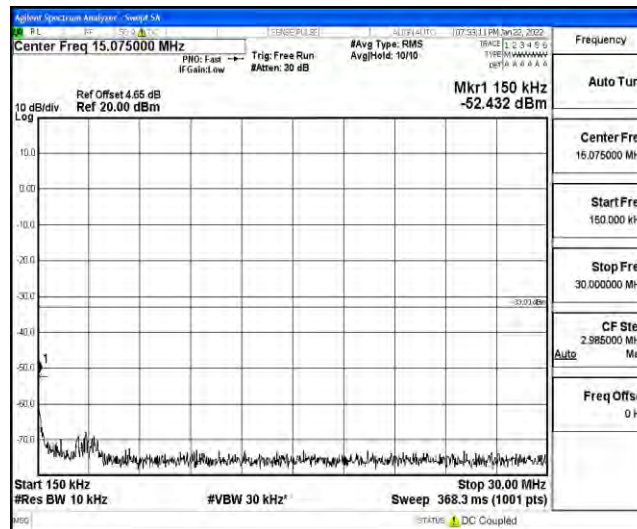
Band13-5MHz-QPSK-23255-1RB#0-Range7:1559~1610MHz



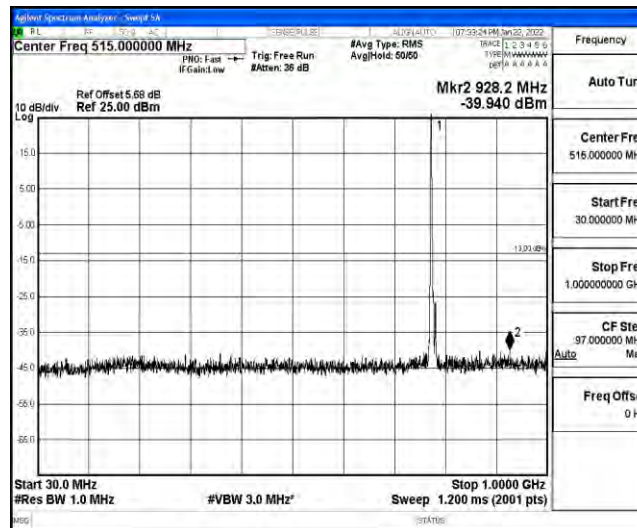
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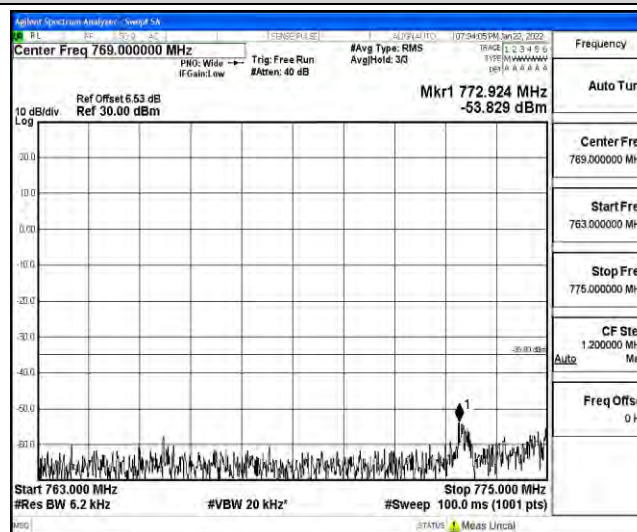
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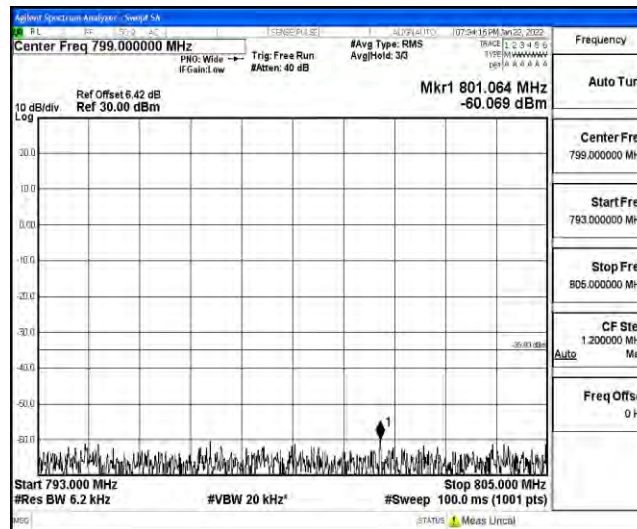
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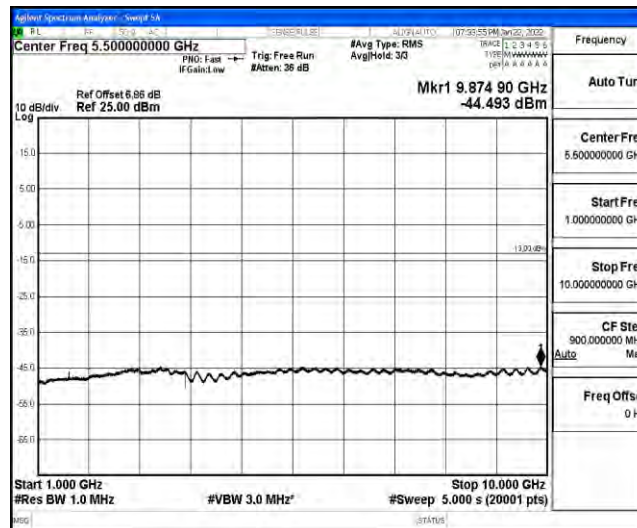
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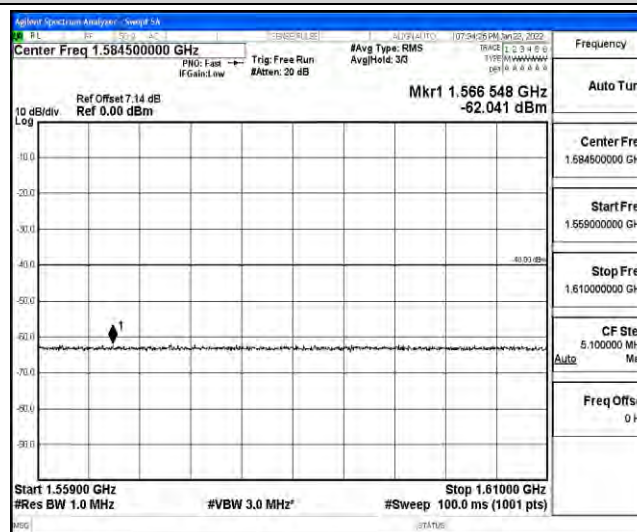
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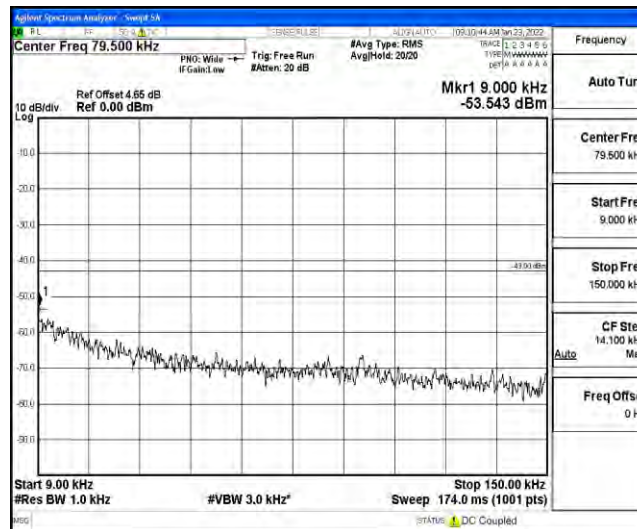
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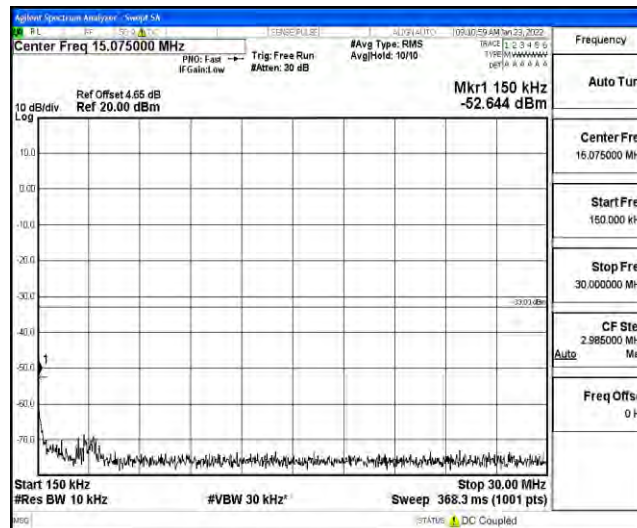
Band13-5MHz-16QAM-23205-1RB#0-Range7:1559~1610MHz



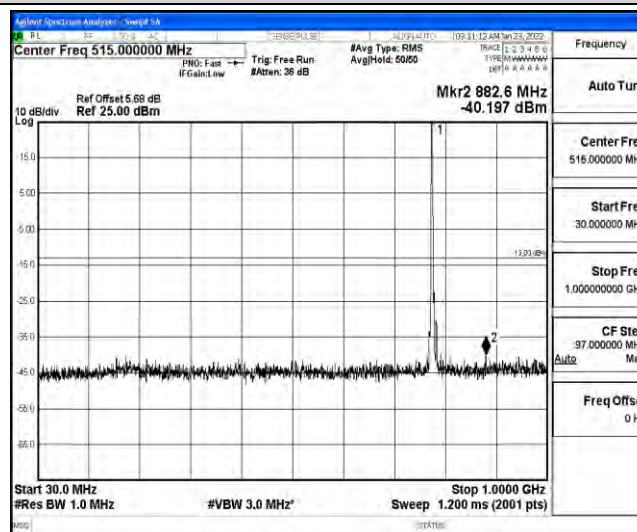
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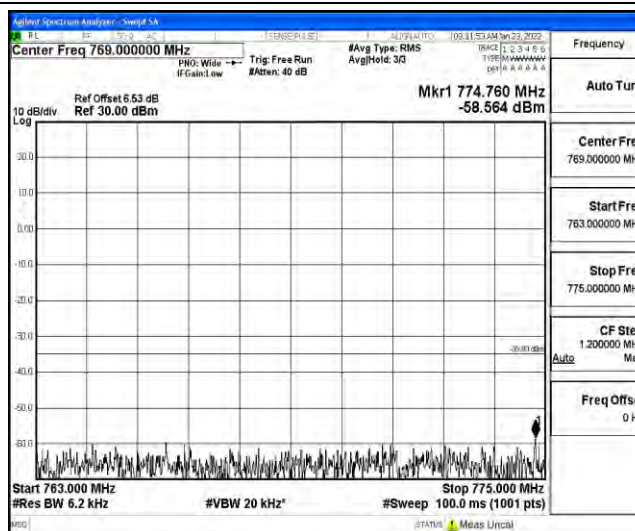
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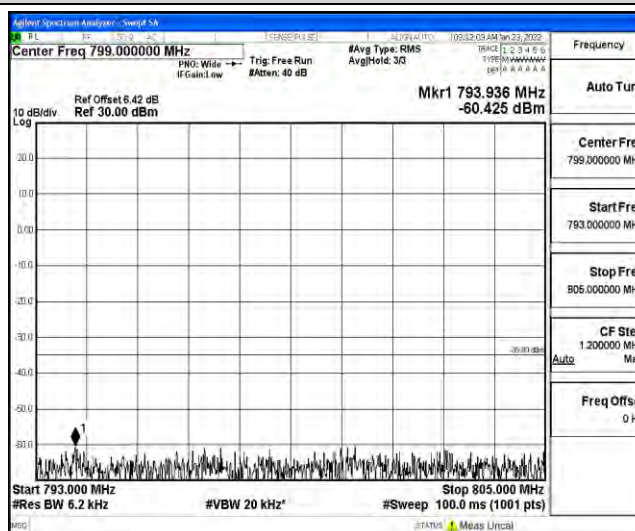
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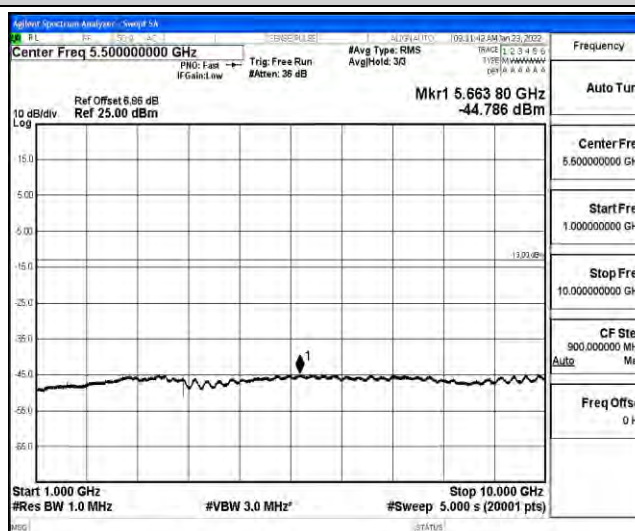
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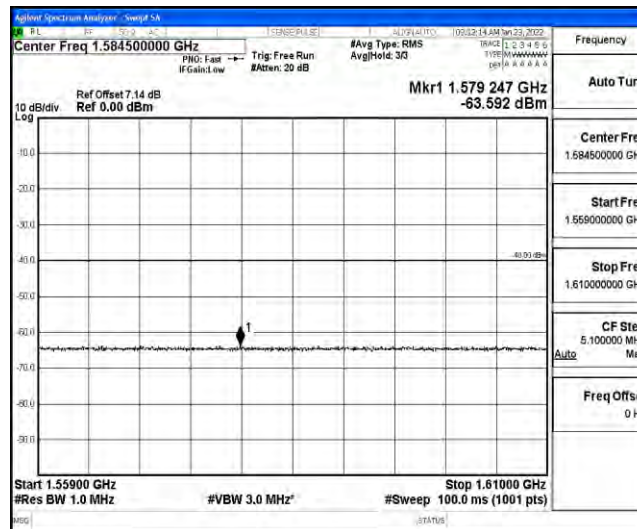
Band13-5MHz-16QAM-23230-1RB#0-Range6:793~805MHz



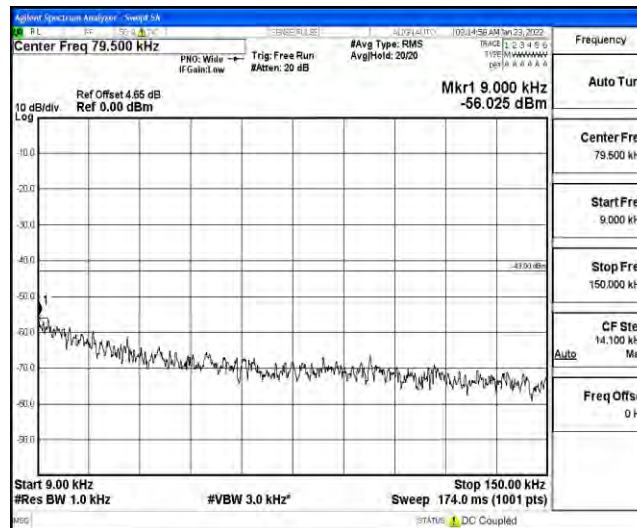
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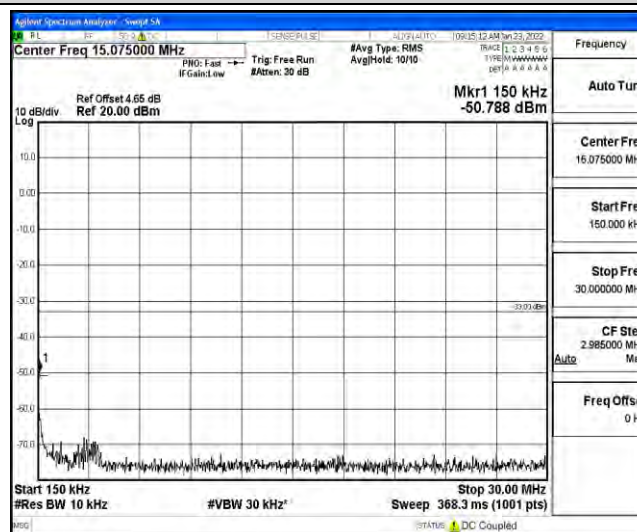
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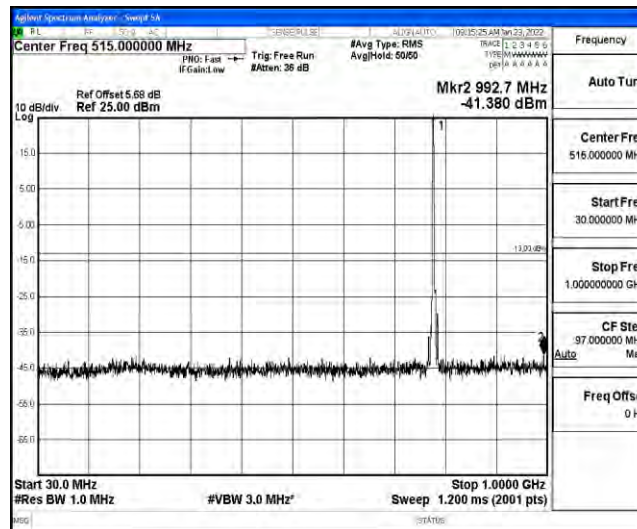
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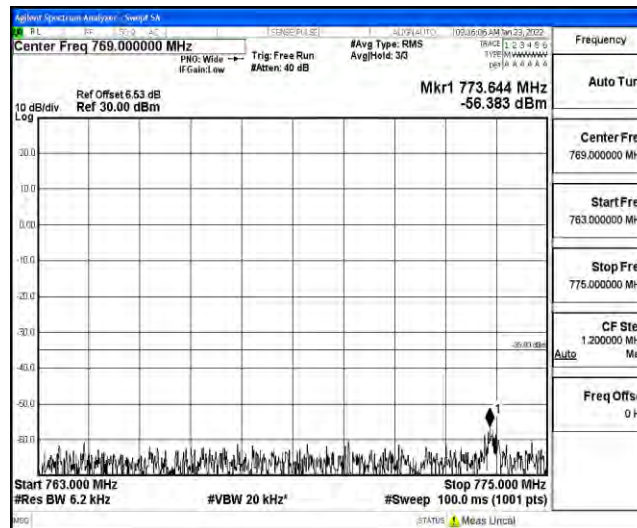
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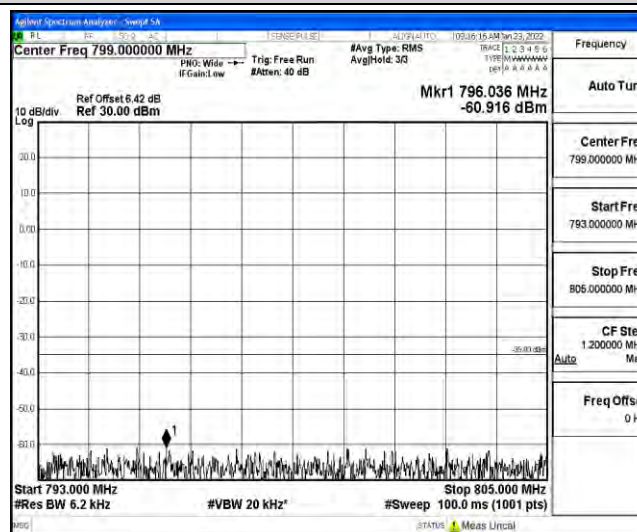
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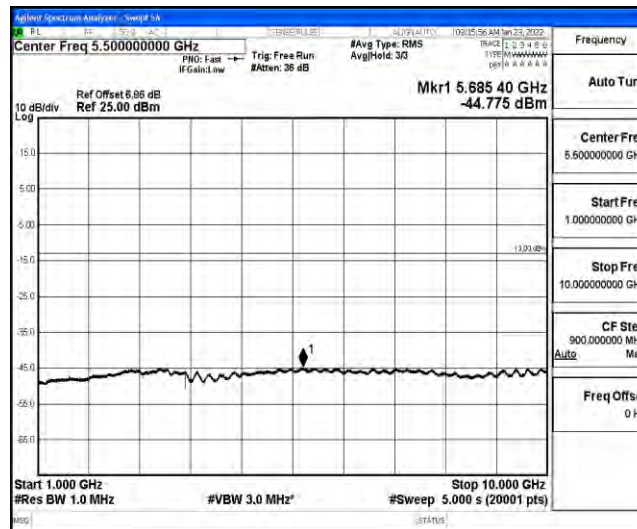
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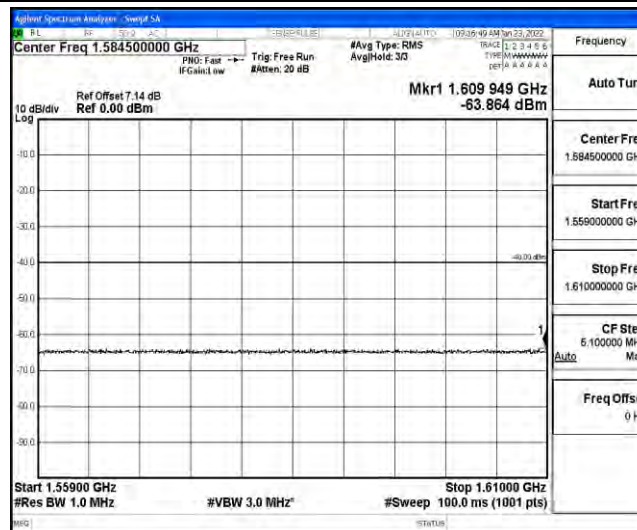
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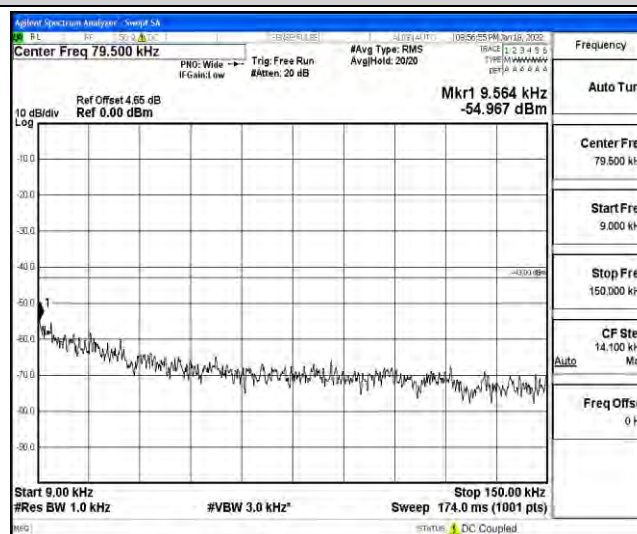
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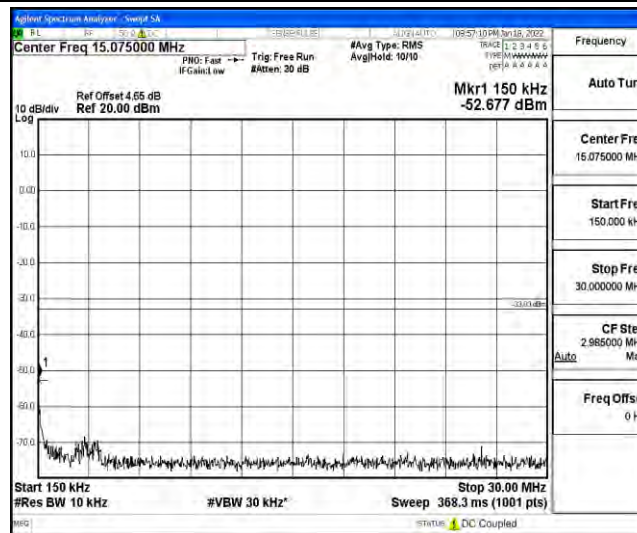
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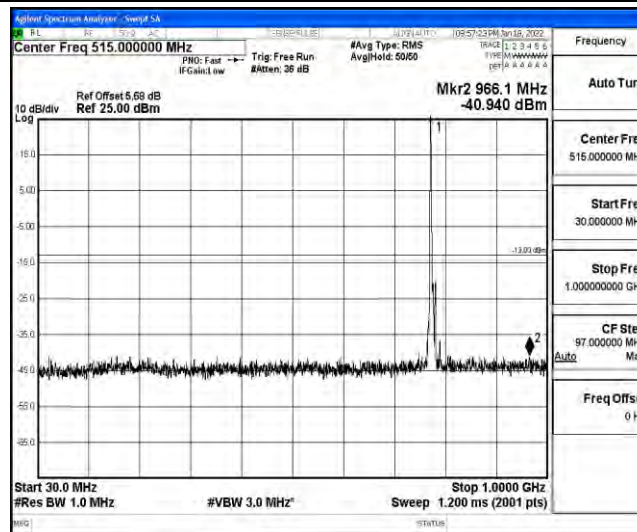
Band13-10MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



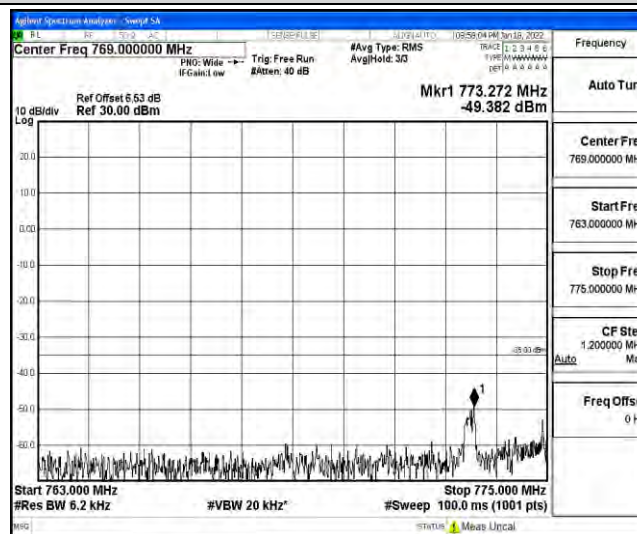
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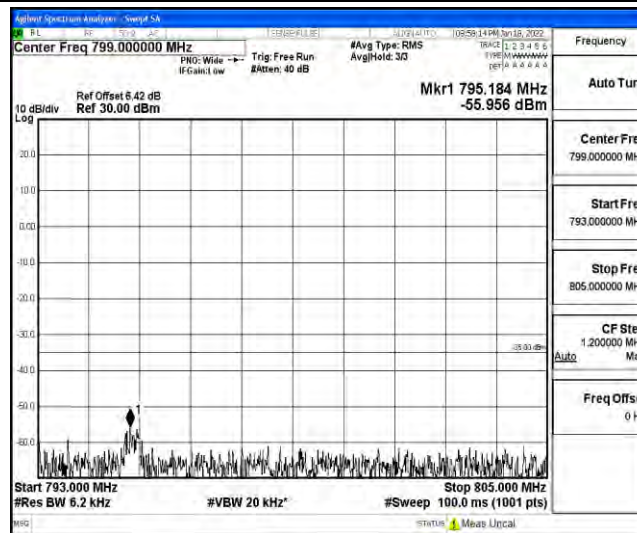
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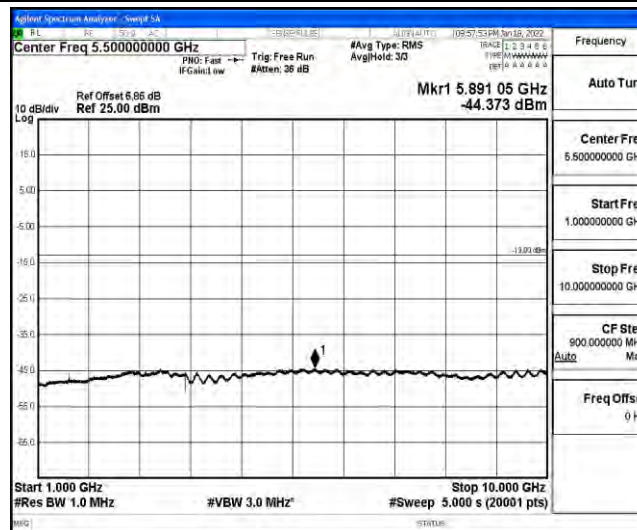
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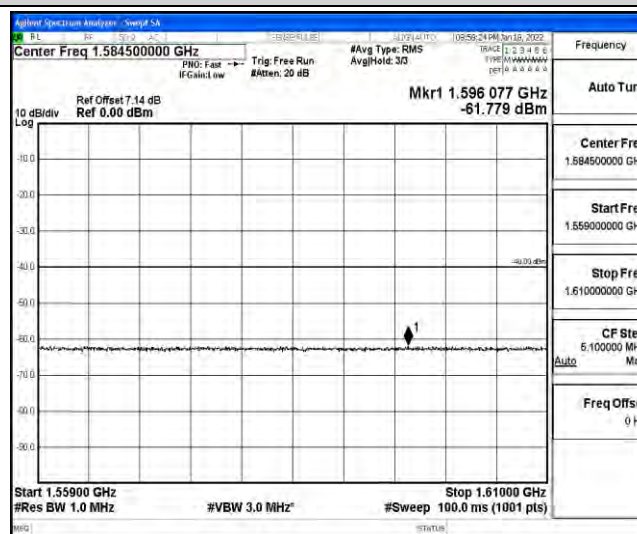
Band13-10MHz-QPSK-23230-1RB#0-Range6:793~805MHz



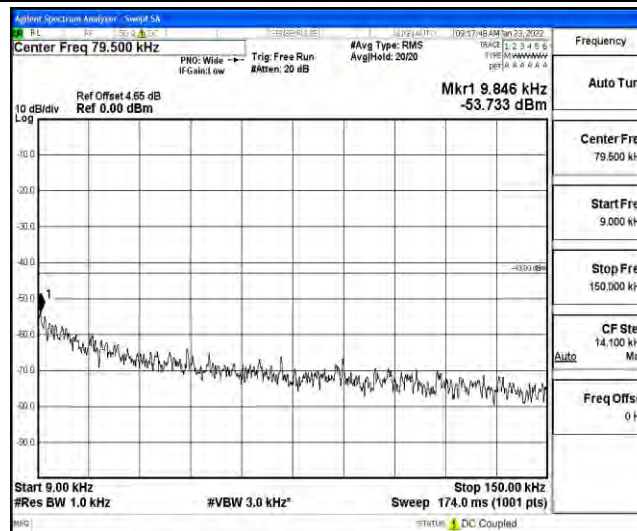
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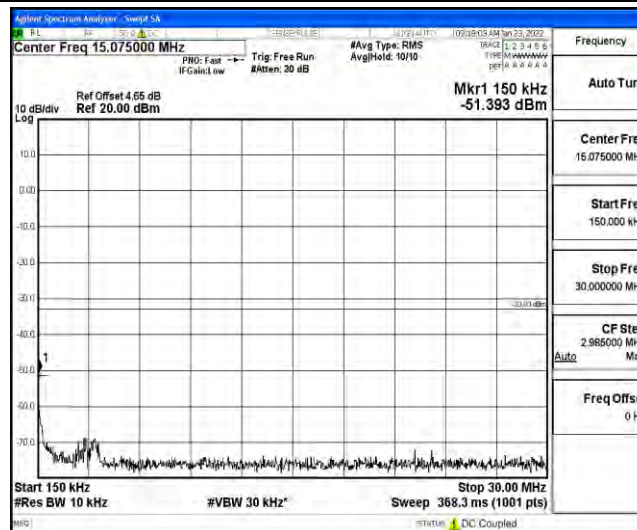
Band13-10MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



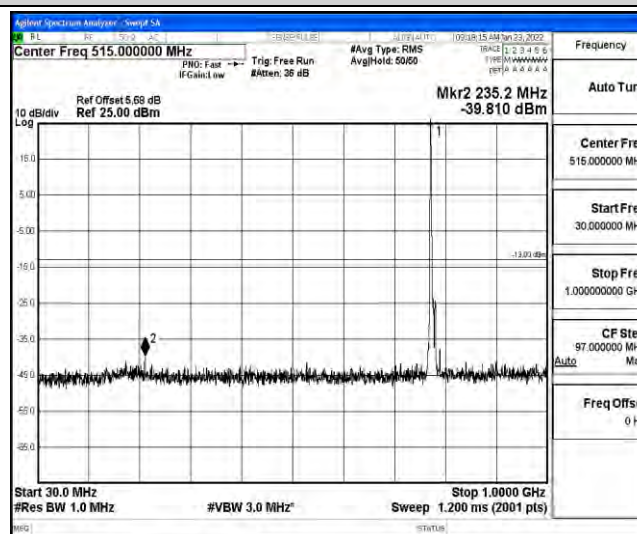
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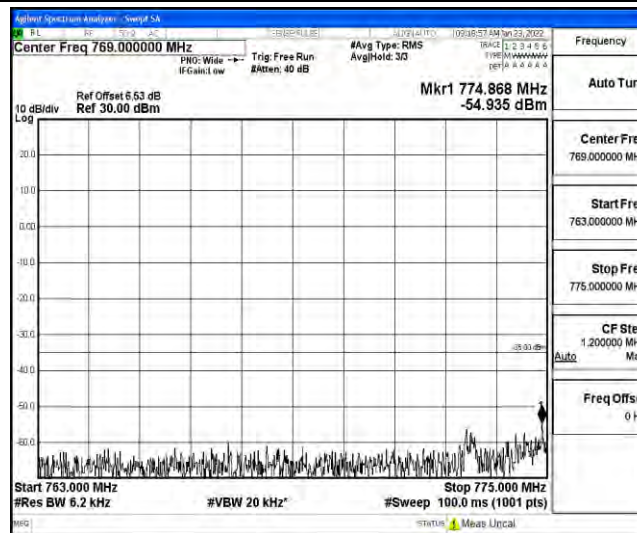
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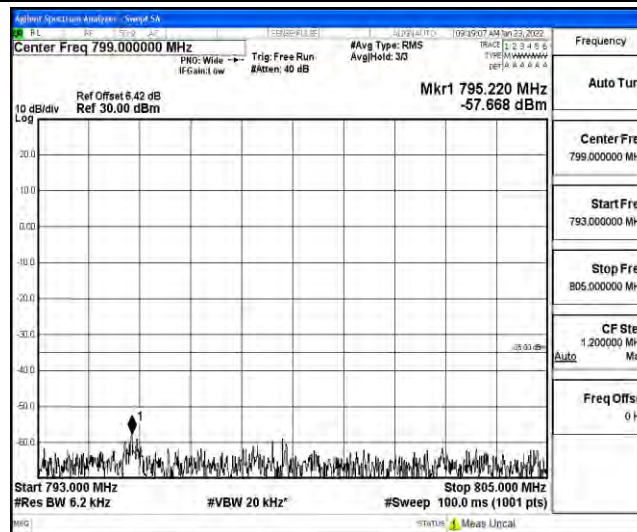
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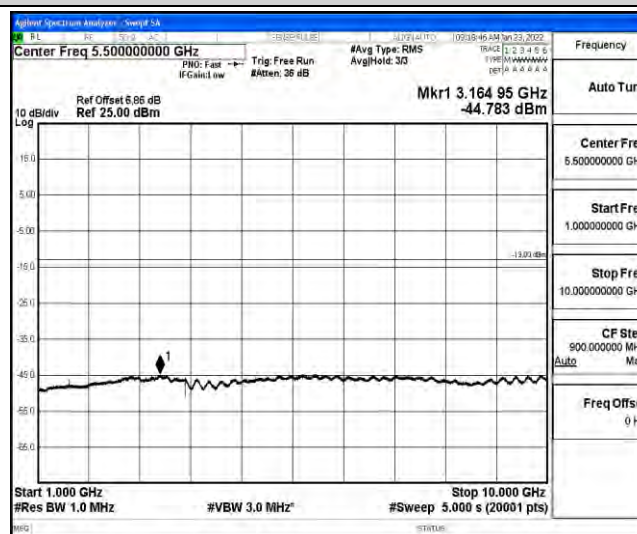
Band13-10MHz-16QAM-23230-1RB#0-Range5:763~775MHz



Band13-10MHz-16QAM-23230-1RB#0-Range6:793~805MHz



Band13-10MHz-16QAM-23230-1RB#0-Range4:1000~10000MHz



Band13-10MHz-16QAM-23230-1RB#0-Range7:1559~1610MHz

