

# APPENDIX REPORT

Project No.	SHT2208214102EW	Radio Specification	LTE
Test sample No.	YPHT22082141009	Model No.	SF650
Start test date	2022-11-18	Finish date	2022-12-07
Temperature	25.4℃	Humidity	39%
Test Engineer	Xiaodong Zhao	Auditor	Xiaodong Zhao

Appendix clause	Test item	Result
A	Conducted Output Power	PASS
B	Peak-to-Average Ratio	PASS
C	26 dB Bandwidth and Occupied Bandwidth	PASS
D	Band edge	PASS
E	Conducted Spurious Emission	PASS
F	Frequency Stability	PASS
G	ERP	PASS

## 8.1 Appendix A: Conducted Output Power

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.38	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.56	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.38	PASS
Band14	5MHz	QPSK	23305	12RB#0	22.53	PASS
Band14	5MHz	QPSK	23305	12RB#6	22.53	PASS
Band14	5MHz	QPSK	23305	12RB#13	22.48	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.55	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.53	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.71	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.53	PASS
Band14	5MHz	QPSK	23330	12RB#0	22.68	PASS
Band14	5MHz	QPSK	23330	12RB#6	22.68	PASS
Band14	5MHz	QPSK	23330	12RB#13	22.63	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.70	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.33	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.51	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.33	PASS
Band14	5MHz	QPSK	23355	12RB#0	22.49	PASS
Band14	5MHz	QPSK	23355	12RB#6	22.49	PASS
Band14	5MHz	QPSK	23355	12RB#13	22.44	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.51	PASS
Band14	5MHz	64QAM	23305	1RB#0	22.40	PASS
Band14	5MHz	64QAM	23305	1RB#12	22.52	PASS
Band14	5MHz	64QAM	23305	1RB#24	22.38	PASS
Band14	5MHz	64QAM	23305	12RB#0	21.65	PASS
Band14	5MHz	64QAM	23305	12RB#6	21.64	PASS
Band14	5MHz	64QAM	23305	12RB#13	21.55	PASS
Band14	5MHz	64QAM	23305	25RB#0	21.59	PASS
Band14	5MHz	64QAM	23330	1RB#0	22.57	PASS
Band14	5MHz	64QAM	23330	1RB#12	22.69	PASS
Band14	5MHz	64QAM	23330	1RB#24	22.55	PASS
Band14	5MHz	64QAM	23330	12RB#0	21.82	PASS
Band14	5MHz	64QAM	23330	12RB#6	21.81	PASS

Band14	5MHz	64QAM	23330	12RB#13	21.71	PASS
Band14	5MHz	64QAM	23330	25RB#0	21.76	PASS
Band14	5MHz	64QAM	23355	1RB#0	22.23	PASS
Band14	5MHz	64QAM	23355	1RB#12	22.35	PASS
Band14	5MHz	64QAM	23355	1RB#24	22.21	PASS
Band14	5MHz	64QAM	23355	12RB#0	21.49	PASS
Band14	5MHz	64QAM	23355	12RB#6	21.48	PASS
Band14	5MHz	64QAM	23355	12RB#13	21.38	PASS
Band14	5MHz	64QAM	23355	25RB#0	21.43	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.42	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.51	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.43	PASS
Band14	5MHz	16QAM	23305	12RB#0	21.59	PASS
Band14	5MHz	16QAM	23305	12RB#6	21.61	PASS
Band14	5MHz	16QAM	23305	12RB#13	21.51	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.65	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.56	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.66	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.57	PASS
Band14	5MHz	16QAM	23330	12RB#0	21.73	PASS
Band14	5MHz	16QAM	23330	12RB#6	21.75	PASS
Band14	5MHz	16QAM	23330	12RB#13	21.65	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.79	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.37	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.47	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.38	PASS
Band14	5MHz	16QAM	23355	12RB#0	21.55	PASS
Band14	5MHz	16QAM	23355	12RB#6	21.57	PASS
Band14	5MHz	16QAM	23355	12RB#13	21.47	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.61	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.43	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.53	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.38	PASS
Band14	10MHz	QPSK	23330	25RB#0	22.62	PASS
Band14	10MHz	QPSK	23330	25RB#12	22.63	PASS
Band14	10MHz	QPSK	23330	25RB#25	22.48	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.58	PASS
Band14	10MHz	64QAM	23330	1RB#0	22.51	PASS
Band14	10MHz	64QAM	23330	1RB#24	22.63	PASS

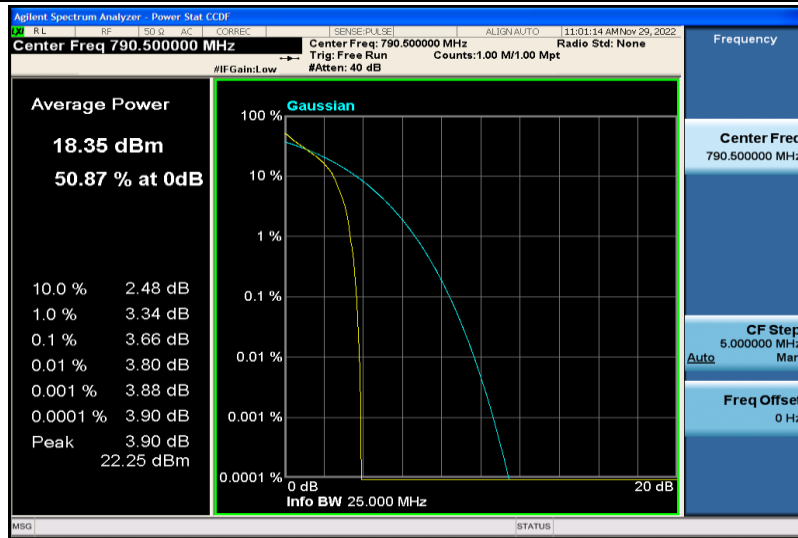
Band14	10MHz	64QAM	23330	1RB#49	22.22	PASS
Band14	10MHz	64QAM	23330	25RB#0	21.67	PASS
Band14	10MHz	64QAM	23330	25RB#12	21.68	PASS
Band14	10MHz	64QAM	23330	25RB#25	21.55	PASS
Band14	10MHz	64QAM	23330	50RB#0	21.62	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.54	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.60	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.16	PASS
Band14	10MHz	16QAM	23330	25RB#0	21.73	PASS
Band14	10MHz	16QAM	23330	25RB#12	21.71	PASS
Band14	10MHz	16QAM	23330	25RB#25	21.59	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.62	PASS

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

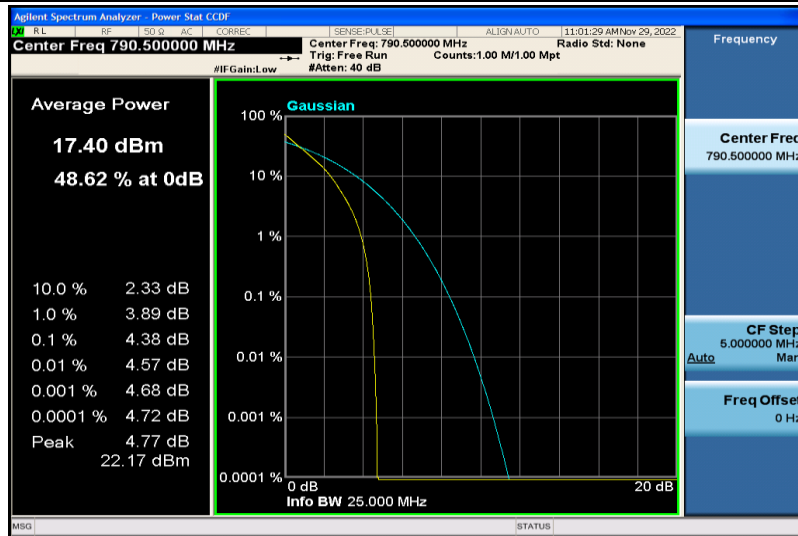
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	3.66	13	PASS
Band14	5MHz	QPSK	23305	25RB#0	4.38	13	PASS
Band14	5MHz	QPSK	23330	1RB#0	3.37	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.36	13	PASS
Band14	5MHz	QPSK	23355	1RB#0	3.33	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.59	13	PASS
Band14	5MHz	64QAM	23305	1RB#0	5.05	13	PASS
Band14	5MHz	64QAM	23305	25RB#0	5.89	13	PASS
Band14	5MHz	64QAM	23330	1RB#0	4.95	13	PASS
Band14	5MHz	64QAM	23330	25RB#0	5.87	13	PASS
Band14	5MHz	64QAM	23355	1RB#0	5.18	13	PASS
Band14	5MHz	64QAM	23355	25RB#0	6.01	13	PASS
Band14	5MHz	16QAM	23305	1RB#0	4.39	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	5.22	13	PASS
Band14	5MHz	16QAM	23330	1RB#0	4.14	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	5.21	13	PASS
Band14	5MHz	16QAM	23355	1RB#0	4.24	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	5.68	13	PASS
Band14	10MHz	QPSK	23330	1RB#0	3.44	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	4.61	13	PASS
Band14	10MHz	64QAM	23330	1RB#0	5.12	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.04	13	PASS
Band14	10MHz	16QAM	23330	1RB#0	4.31	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.42	13	PASS

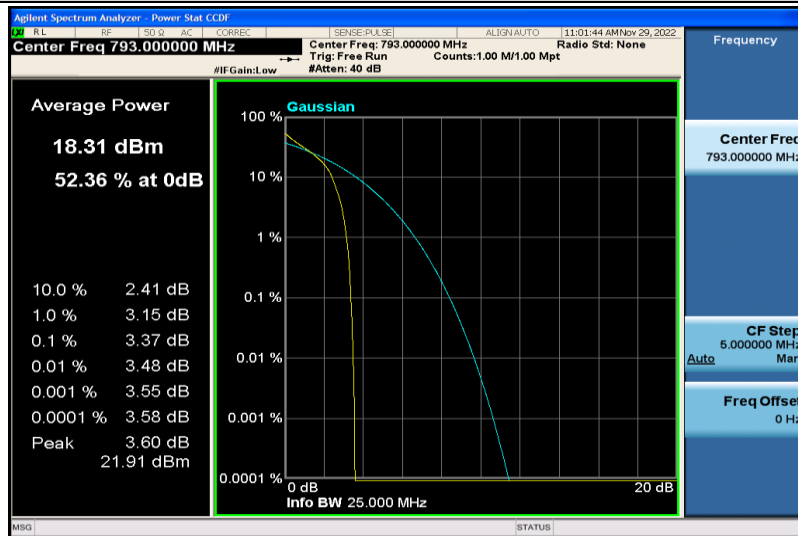
Test Graphs



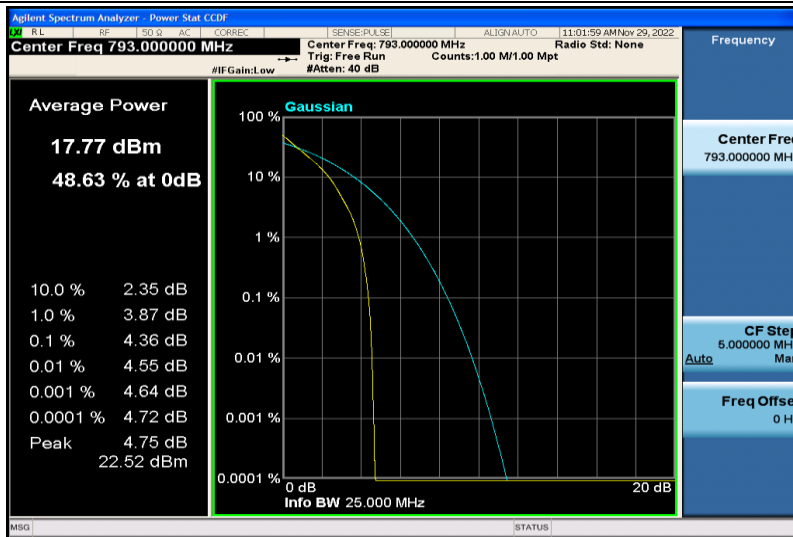
Band14-5MHz-QPSK-23305-1RB#0



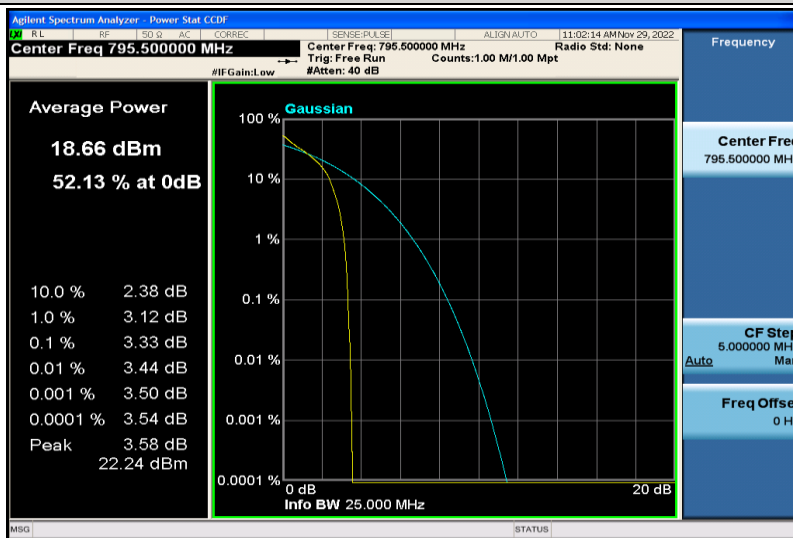
Band14-5MHz-QPSK-23305-25RB#0



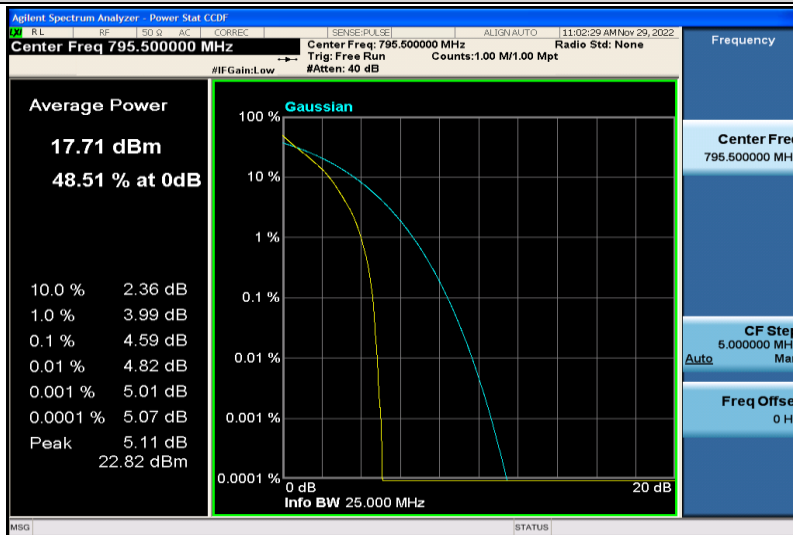
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Band14-5MHz-QPSK-23330-25RB#0



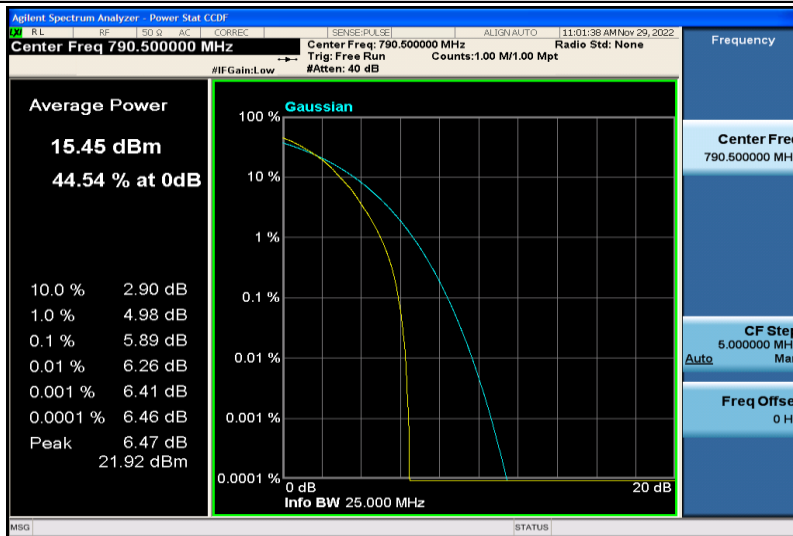
Band14-5MHz-QPSK-23355-1RB#0



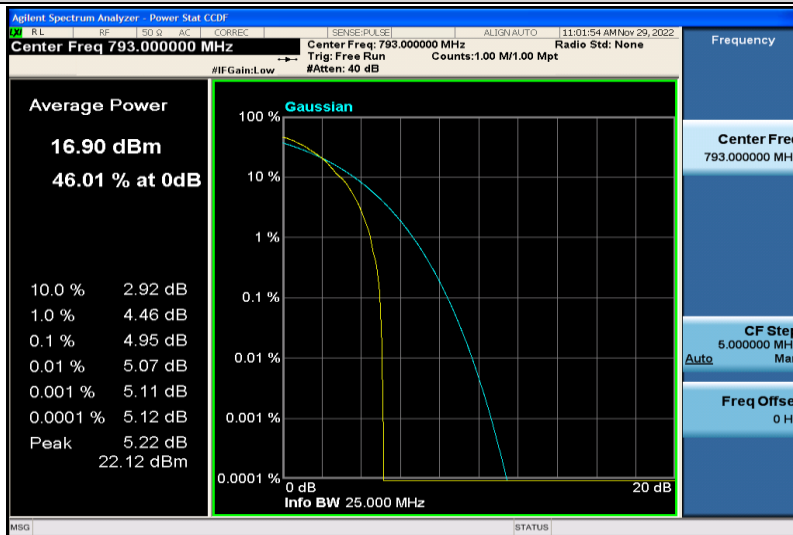
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Band14-5MHz-64QAM-23305-1RB#0

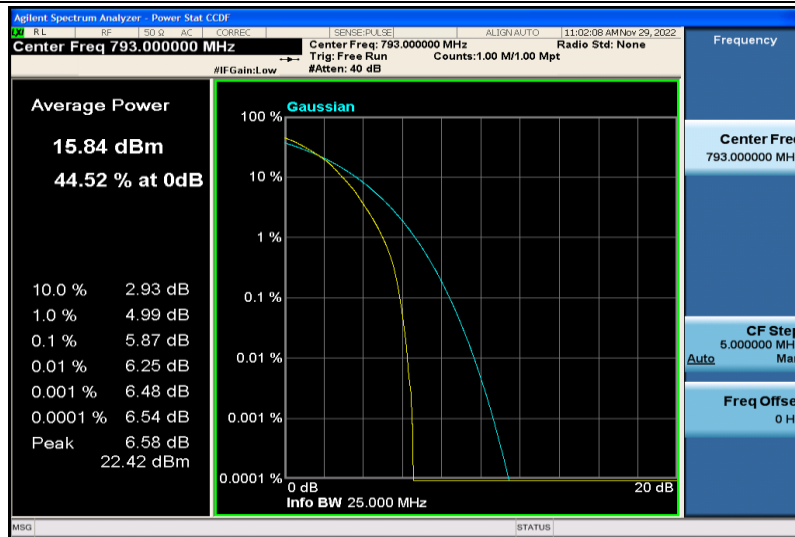


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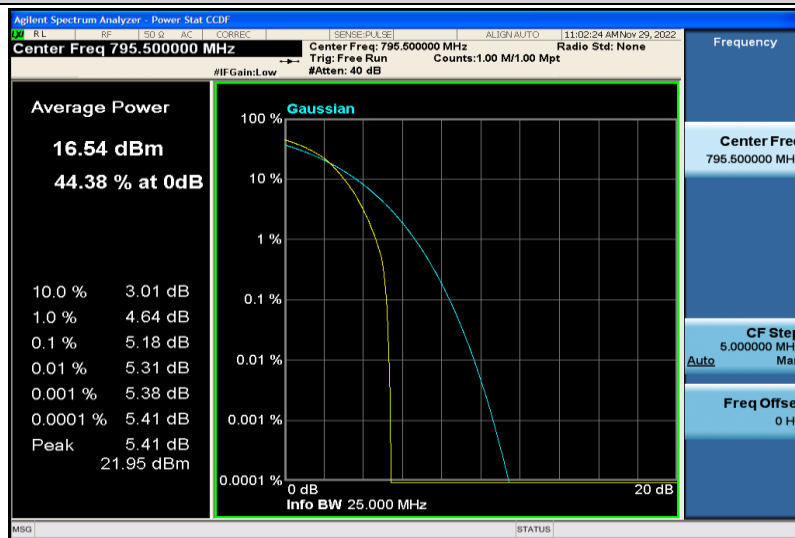


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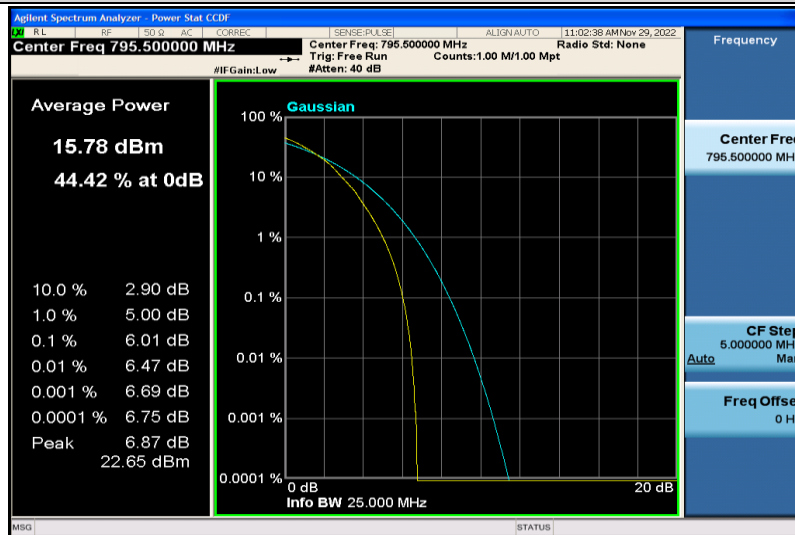




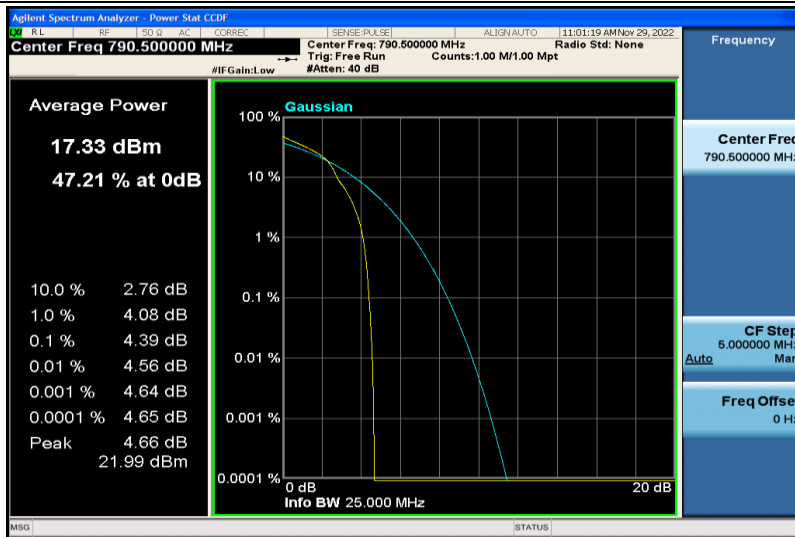
Band14-5MHz-64QAM-23330-25RB#0



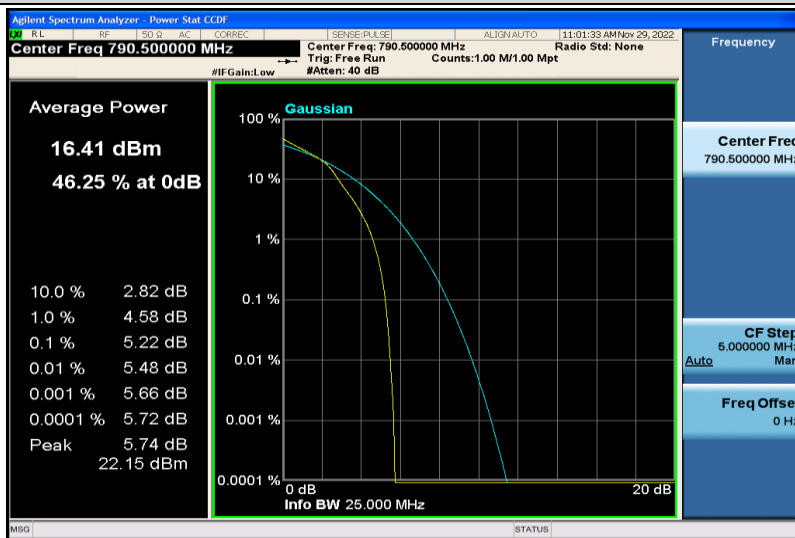
Band14-5MHz-64QAM-23355-1RB#0



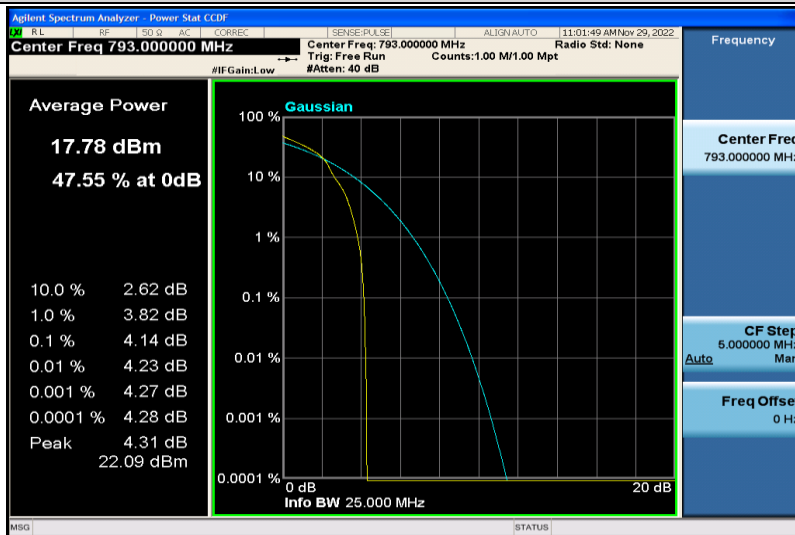
Band14-5MHz-64QAM-23355-25RB#0



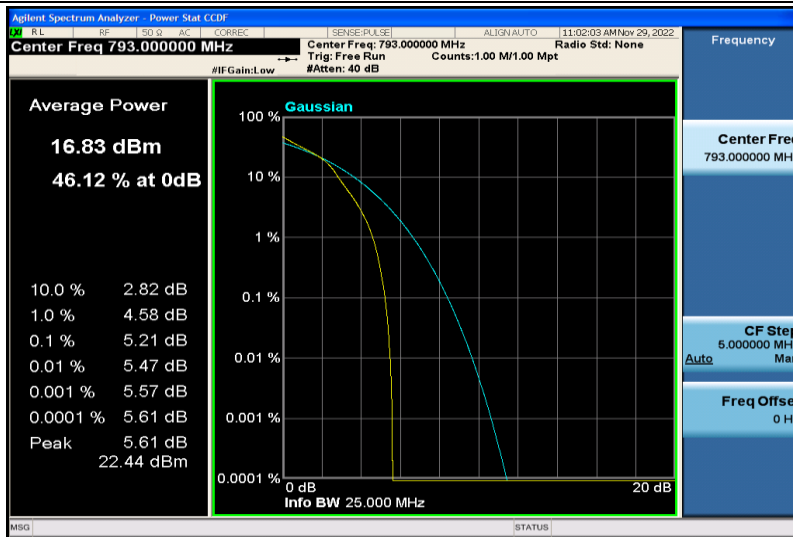
Band14-5MHz-16QAM-23305-1RB#0



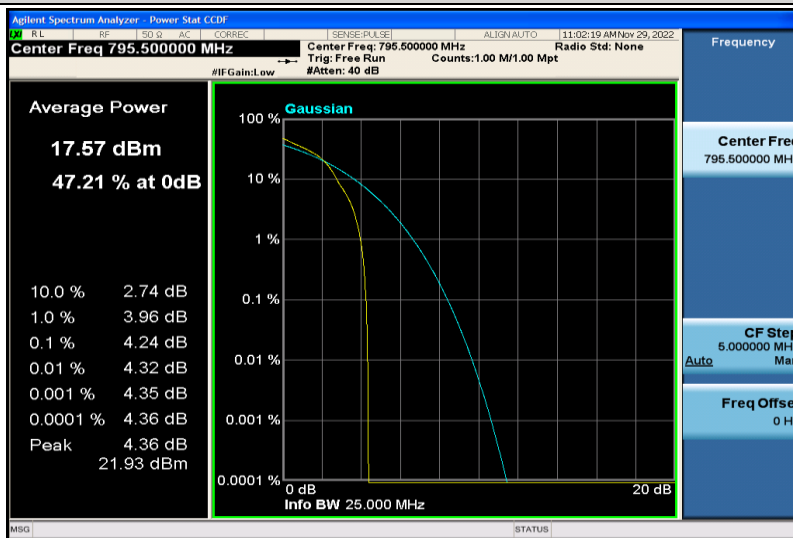
Band14-5MHz-16QAM-23305-25RB#0



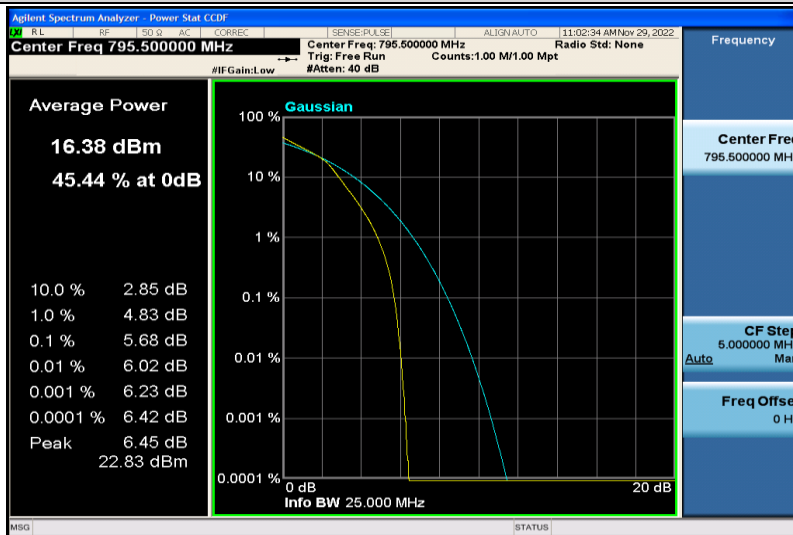
Band14-5MHz-16QAM-23330-1RB#0



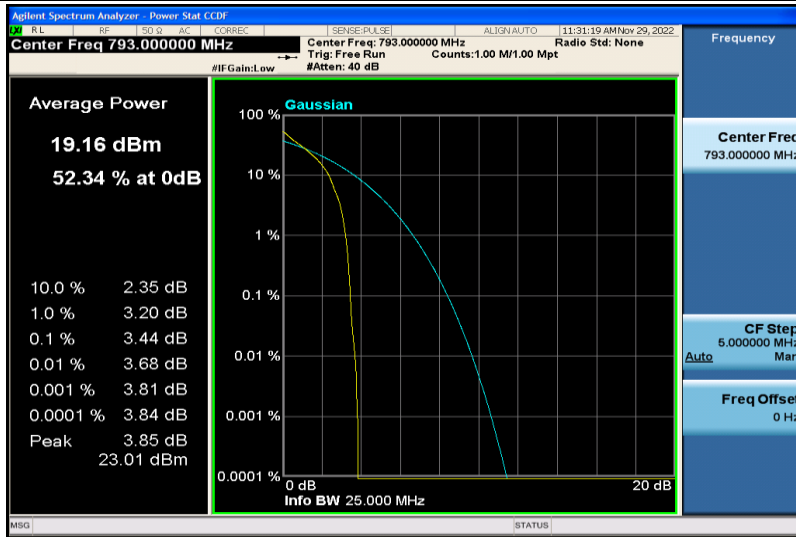
Band14-5MHz-16QAM-23330-25RB#0



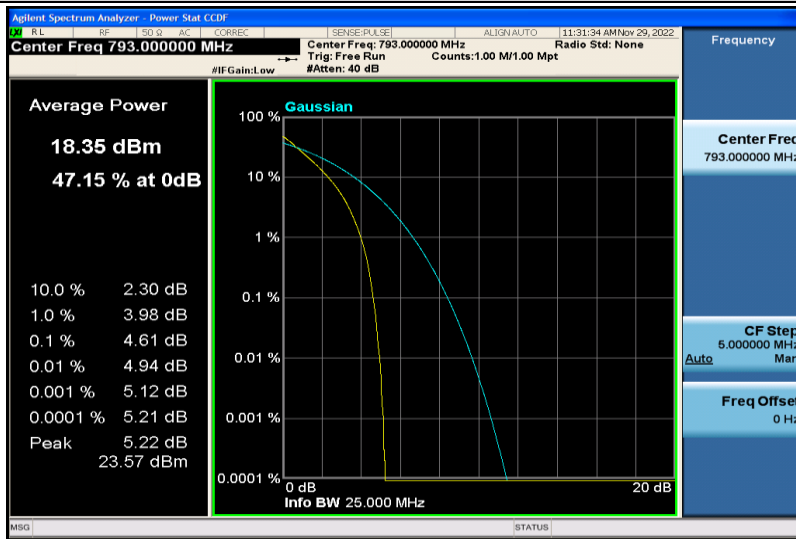
Band14-5MHz-16QAM-23355-1RB#0



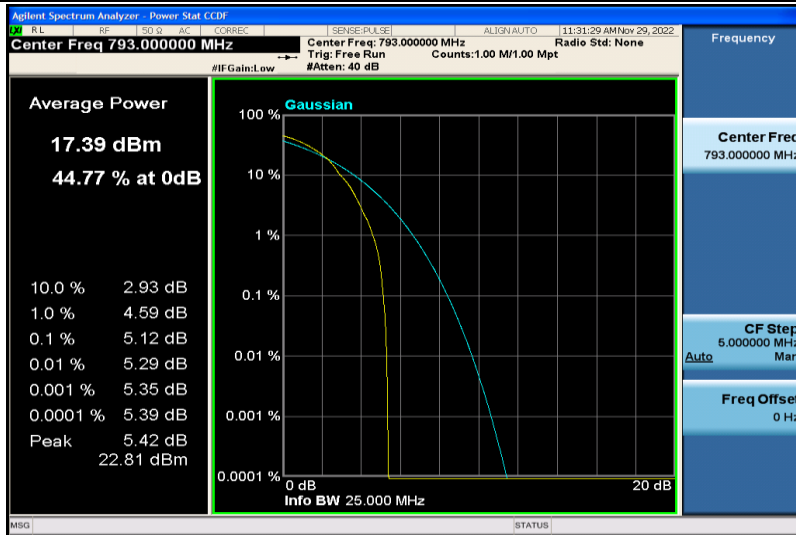
Band14-5MHz-16QAM-23355-25RB#0



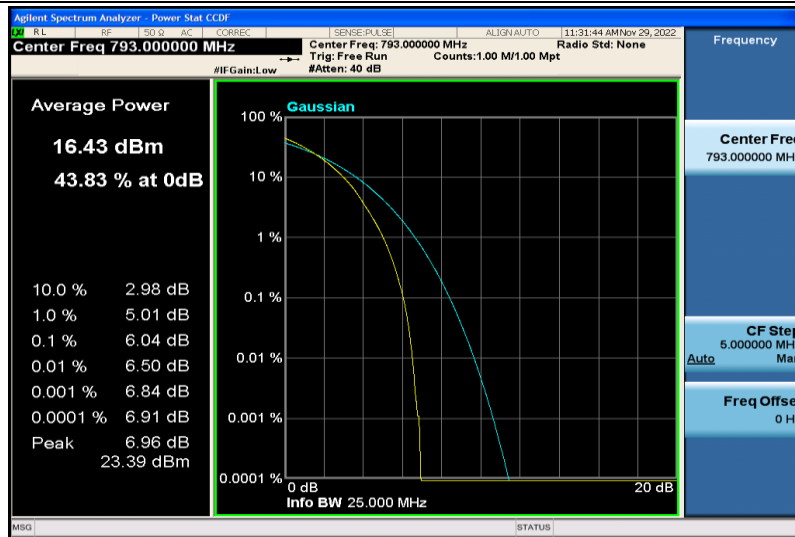
Band14-10MHz-QPSK-23330-1RB#0



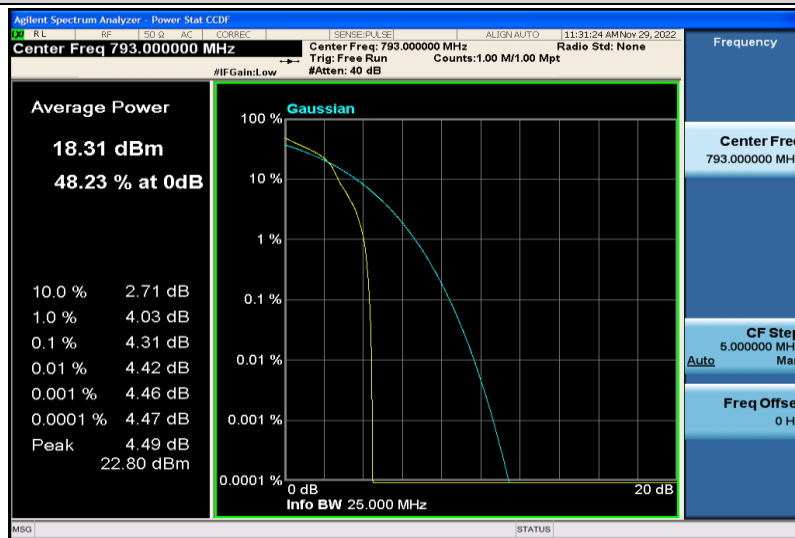
Band14-10MHz-QPSK-23330-50RB#0



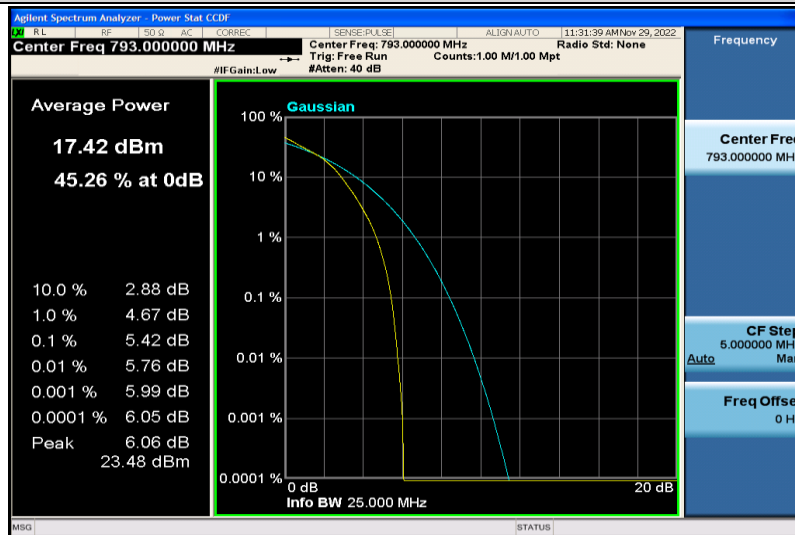
Band14-10MHz-64QAM-23330-1RB#0



Band14-10MHz-64QAM-23330-50RB#0



Band14-10MHz-16QAM-23330-1RB#0



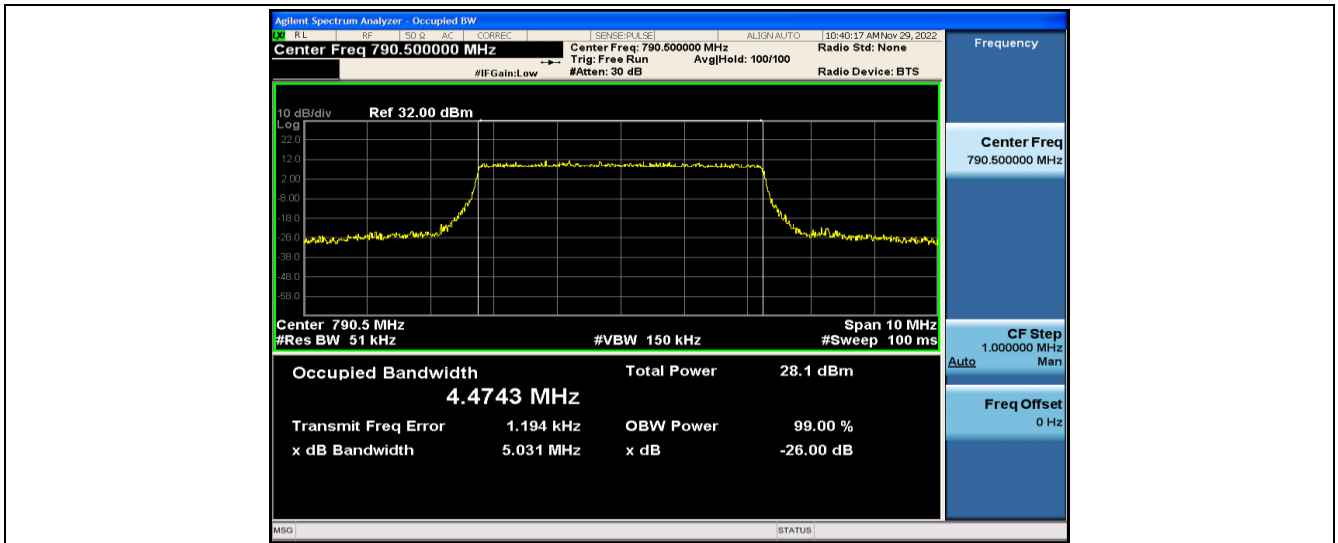
Band14-10MHz-16QAM-23330-50RB#0

### 8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

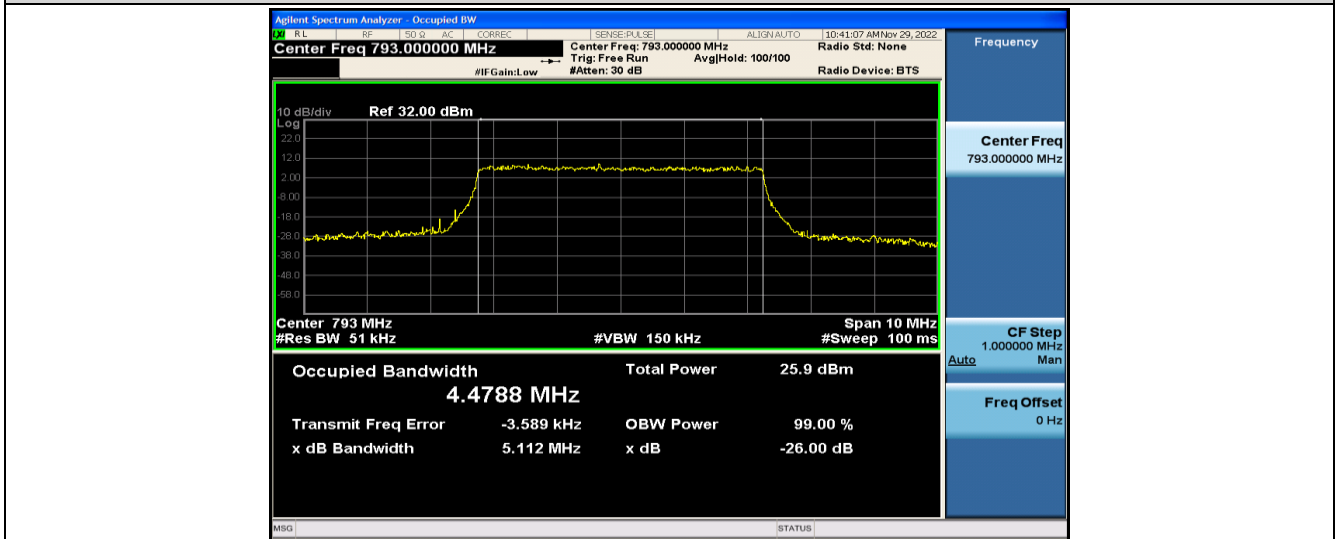
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.4743	5.031	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.4788	5.112	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.4890	5.075	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.4733	4.983	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.4780	4.972	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.4837	5.057	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.4751	4.973	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4890	5.068	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.4864	5.028	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9755	9.910	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.9495	9.830	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9686	9.908	PASS

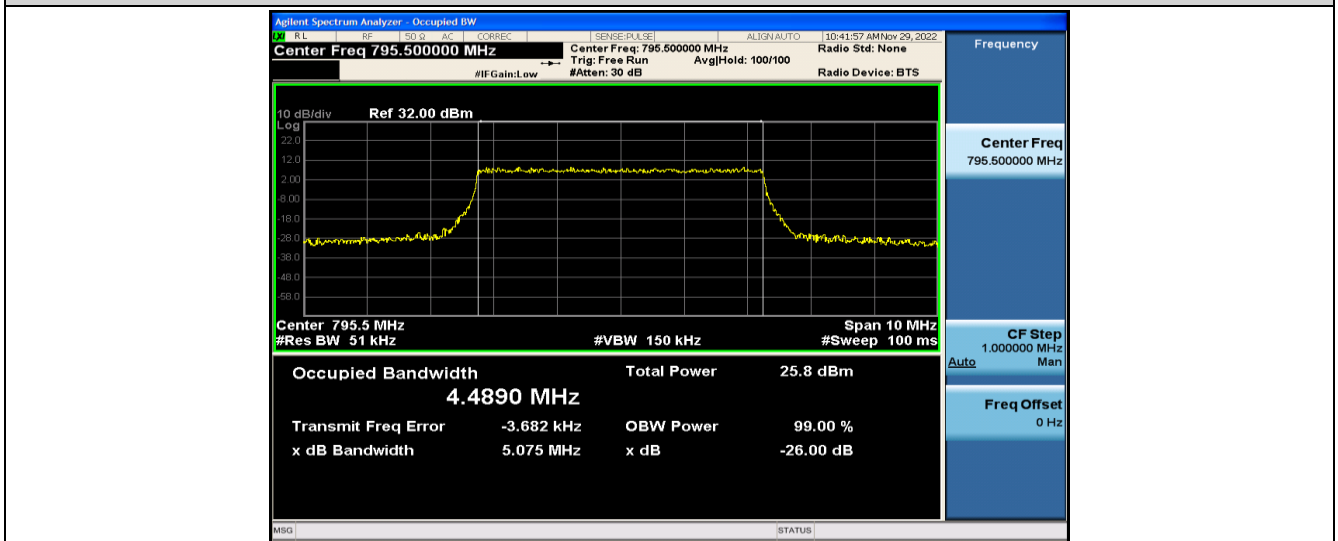
Test Graphs



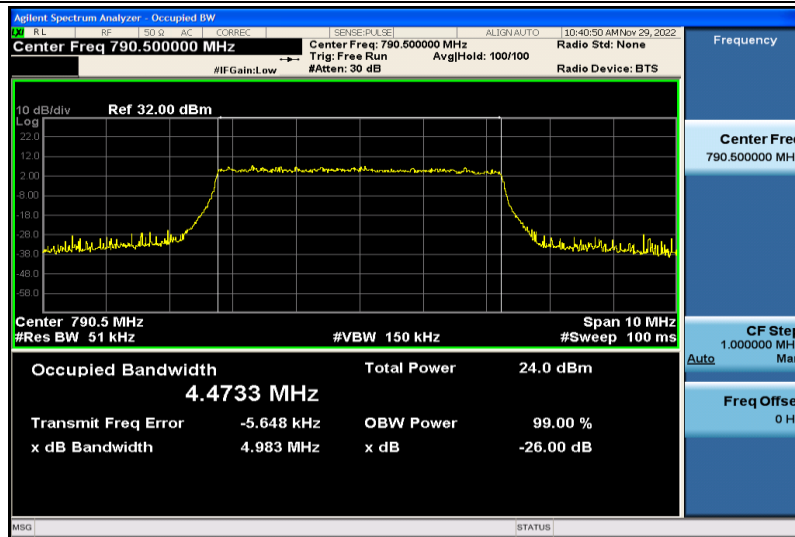
Band14-5MHz-QPSK-23305-25RB#0-4.4743



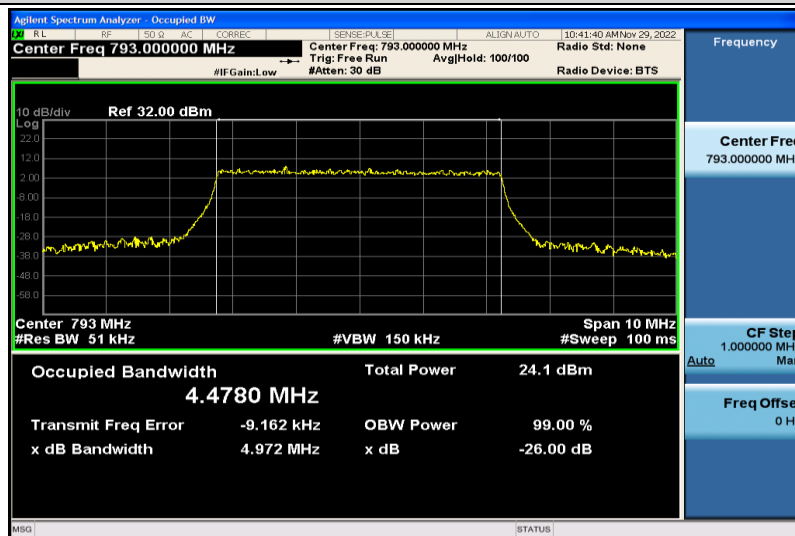
Band14-5MHz-QPSK-23330-25RB#0-4.4788



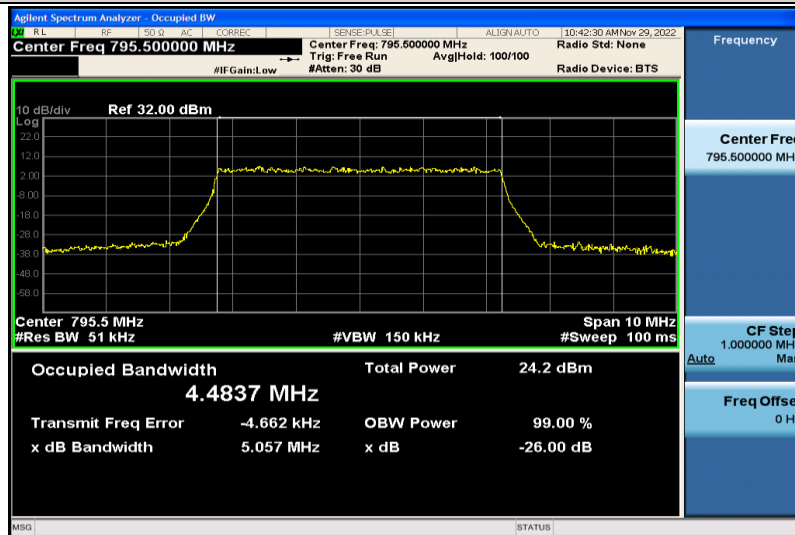
Band14-5MHz-QPSK-23355-25RB#0-4.4890



Band14-5MHz-64QAM-23305-25RB#0-4.4733

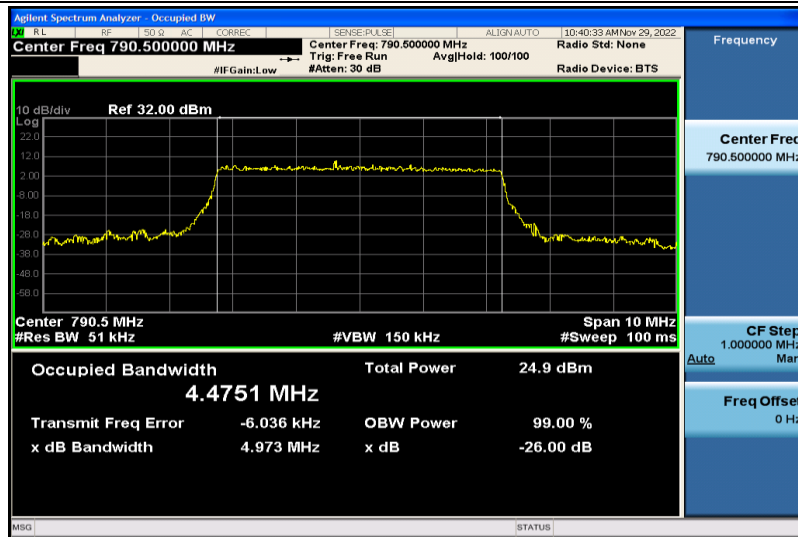


Band14-5MHz-64QAM-23330-25RB#0-4.4780

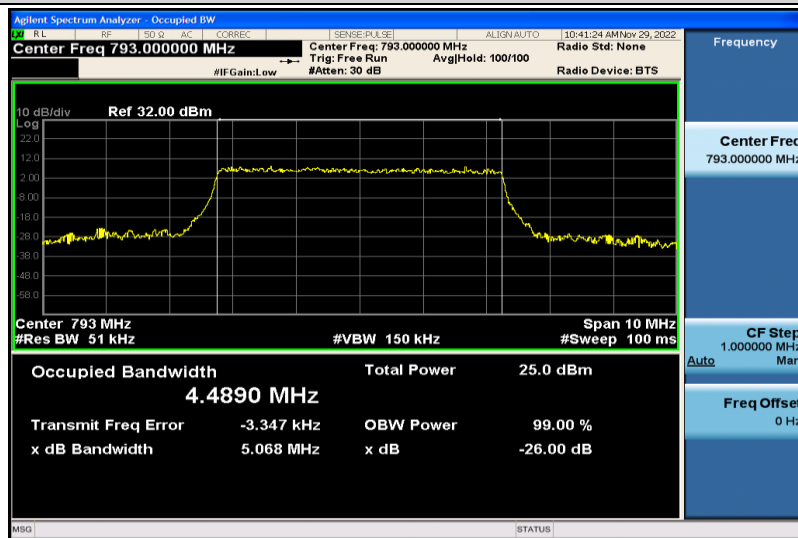


Band14-5MHz-64QAM-23355-25RB#0-4.4837

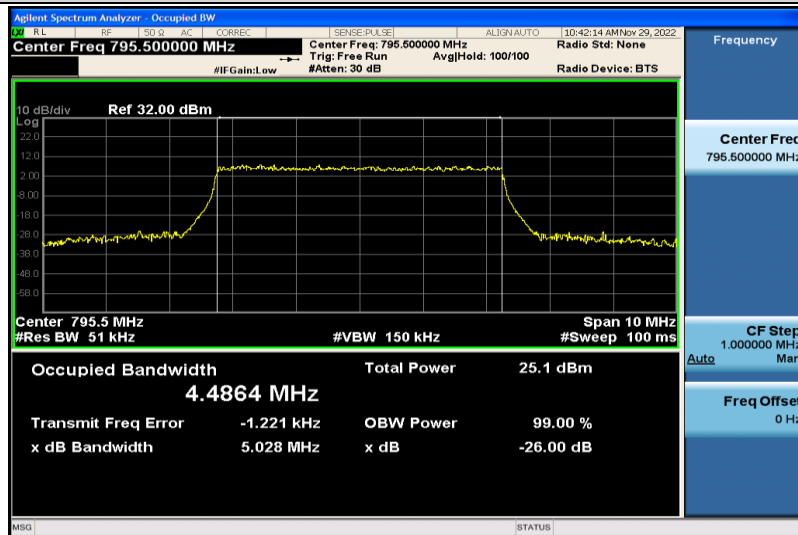




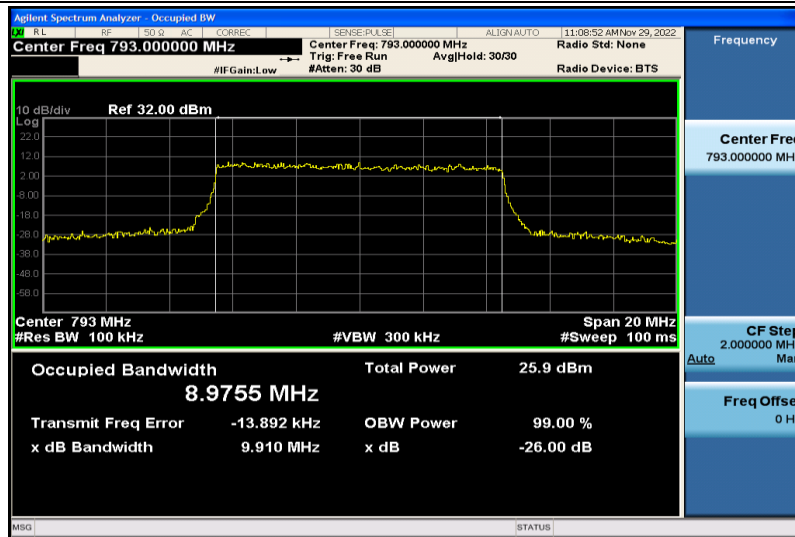
Band14-5MHz-16QAM-23305-25RB#0-4.4751



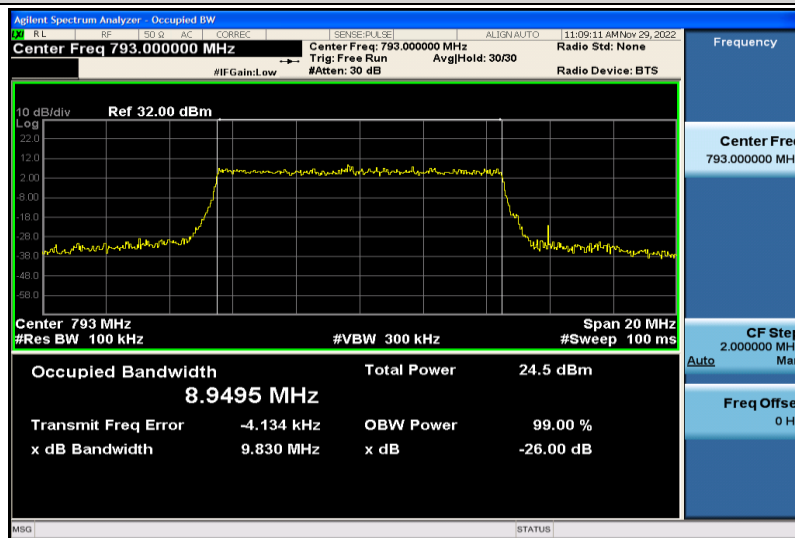
Band14-5MHz-16QAM-23330-25RB#0-4.4890



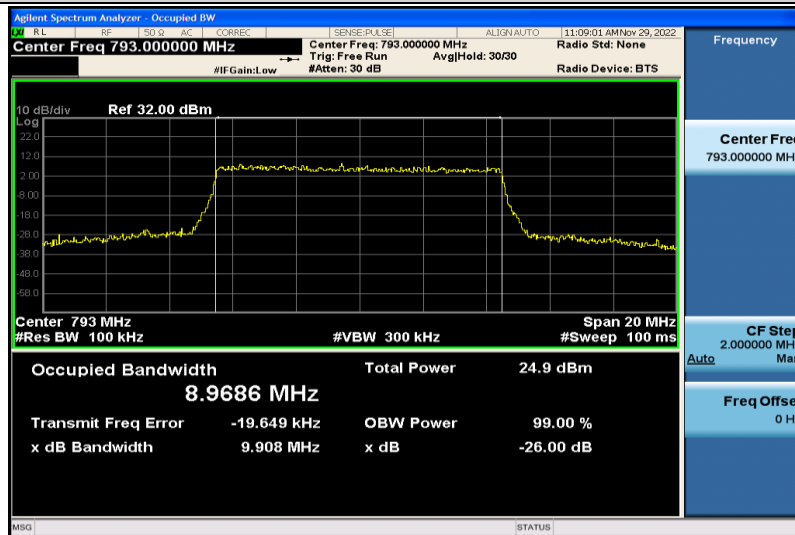
Band14-5MHz-16QAM-23355-25RB#0-4.4864



Band14-10MHz-QPSK-23330-50RB#0-8.9755



Band14-10MHz-64QAM-23330-50RB#0-8.9495



Band14-10MHz-16QAM-23330-50RB#0-8.9686

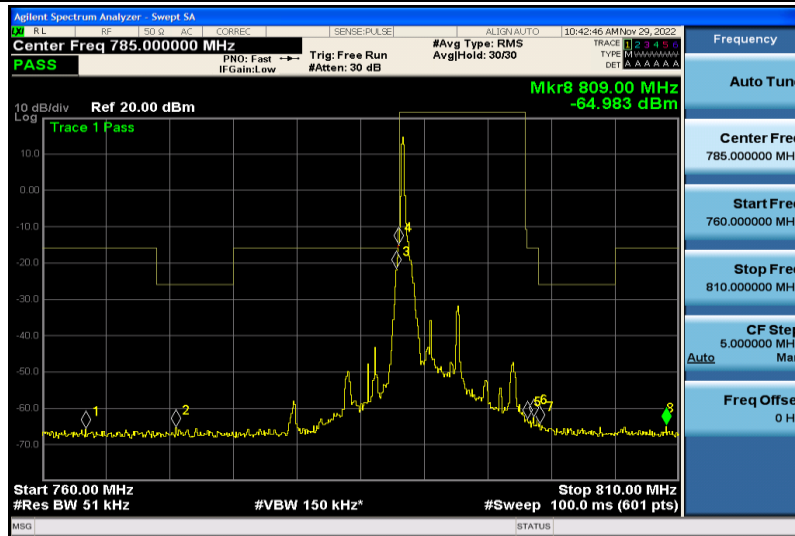
## 8.4 Appendix D: Band Edge

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band1 4	5MHz	QPSK	23305	1RB#0	-65.82,-65.48,-21.84,-15.14,-63.20,-62.56,-64.49,-64.98	PASS
Band1 4	5MHz	QPSK	23305	25RB#0	-58.47,-60.43,-31.04,-27.15,-50.82,-49.83,-47.80,-59.64	PASS
Band1 4	5MHz	QPSK	23330	1RB#24	-65.65,-65.65,-43.52,-58.41,-57.80,-56.38,-47.88,-64.35	PASS
Band1 4	5MHz	QPSK	23330	25RB#0	-66.07,-65.54,-36.59,-36.35,-38.00,-38.76,-42.64,-57.98	PASS
Band1 4	5MHz	QPSK	23355	1RB#24	-65.89,-66.11,-61.95,-61.13,-20.43,-22.91,-48.72,-54.92	PASS
Band1 4	5MHz	QPSK	23355	25RB#0	-65.77,-65.35,-49.24,-49.69,-29.47,-33.43,-35.75,-52.73	PASS
Band1 4	5MHz	64QAM	23305	1RB#0	-65.67,-65.85,-24.76,-17.22,-64.26,-63.08,-64.91,-65.77	PASS
Band1 4	5MHz	64QAM	23305	25RB#0	-65.42,-65.43,-32.62,-30.34,-44.25,-47.63,-46.93,-53.98	PASS
Band1 4	5MHz	64QAM	23330	1RB#24	-65.71,-65.67,-44.49,-57.88,-60.19,-57.99,-50.45,-65.24	PASS
Band1 4	5MHz	64QAM	23330	25RB#0	-65.62,-65.81,-43.79,-42.37,-46.69,-46.38,-49.06,-59.15	PASS
Band1 4	5MHz	64QAM	23355	1RB#24	-66.01,-66.14,-47.77,-48.71,-22.07,-24.67,-42.68,-46.99	PASS
Band1 4	5MHz	64QAM	23355	25RB#0	-65.73,-65.78,-52.88,-52.47,-33.20,-37.05,-42.04,-56.30	PASS
Band1 4	5MHz	16QAM	23305	1RB#0	-56.74,-65.63,-22.81,-14.14,-63.07,-62.78,-64.98,-65.73	PASS
Band1 4	5MHz	16QAM	23305	25RB#0	-65.81,-65.72,-33.61,-27.42,-52.19,-52.03,-54.26,-60.11	PASS
Band1 4	5MHz	16QAM	23330	1RB#24	-65.48,-65.93,-43.84,-57.50,-54.64,-54.03,-49.31,-65.36	PASS
Band1 4	5MHz	16QAM	23330	25RB#0	-65.43,-65.94,-39.33,-38.34,-42.38,-41.65,-44.51,-57.79	PASS
Band1 4	5MHz	16QAM	23355	1RB#24	-65.60,-65.92,-62.28,-61.69,-18.84,-22.60,-49.32,-57.11	PASS
Band1 4	5MHz	16QAM	23355	25RB#0	-65.66,-64.79,-50.89,-50.46,-31.02,-34.43,-38.01,-54.97	PASS
Band1	10MHz	QPSK	23330	1RB#49	-63.41,-63.76,-43.93,-50.92,-20.80,-22.89,-47.16,-	PASS

4					47.31	
Band1 4	10MHz	QPSK	23330	50RB#0	-63.34,-63.53,-31.23,-29.22,-33.31,-32.79,-36.37,- 43.64	PASS
Band1 4	10MHz	64QAM	23330	1RB#49	-63.89,-63.55,-45.08,-51.78,-22.74,-24.28,-42.63,- 44.47	PASS
Band1 4	10MHz	64QAM	23330	50RB#0	-63.26,-63.00,-34.36,-31.95,-33.24,-35.36,-39.72,- 46.95	PASS
Band1 4	10MHz	16QAM	23330	1RB#49	-63.63,-63.39,-44.80,-51.48,-22.80,-22.88,-47.96,- 48.40	PASS
Band1 4	10MHz	16QAM	23330	50RB#0	-63.59,-63.66,-33.46,-30.99,-36.05,-35.83,-38.27,- 46.89	PASS

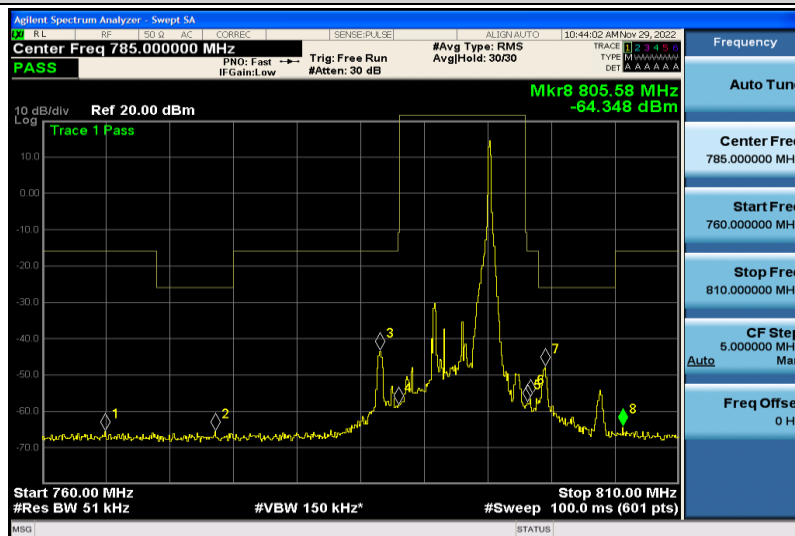
Test Graphs



Band14-5MHz-QPSK-23305-1RB#0



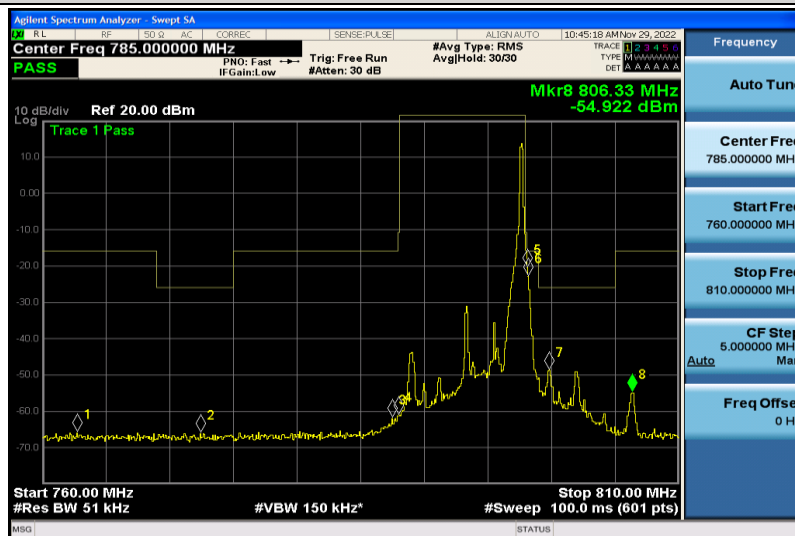
Band14-5MHz-QPSK-23305-25RB#0



Band14-5MHz-QPSK-23330-1RB#24



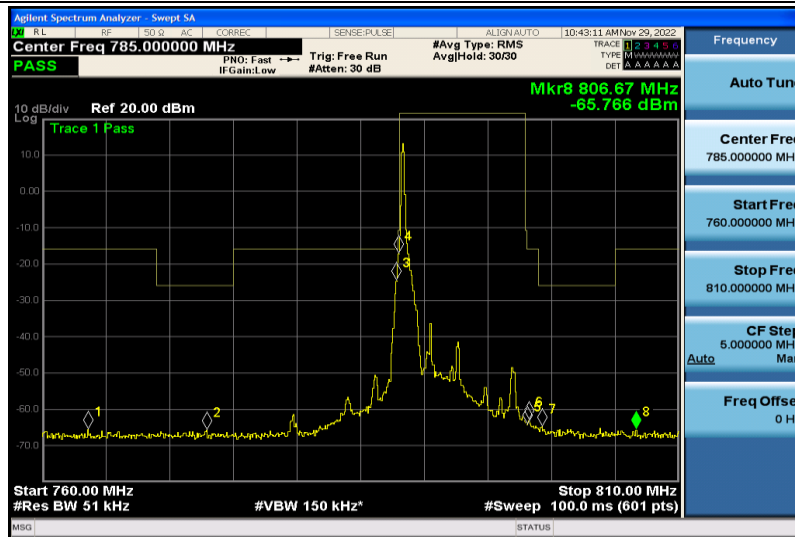
Band14-5MHz-QPSK-23330-25RB#0



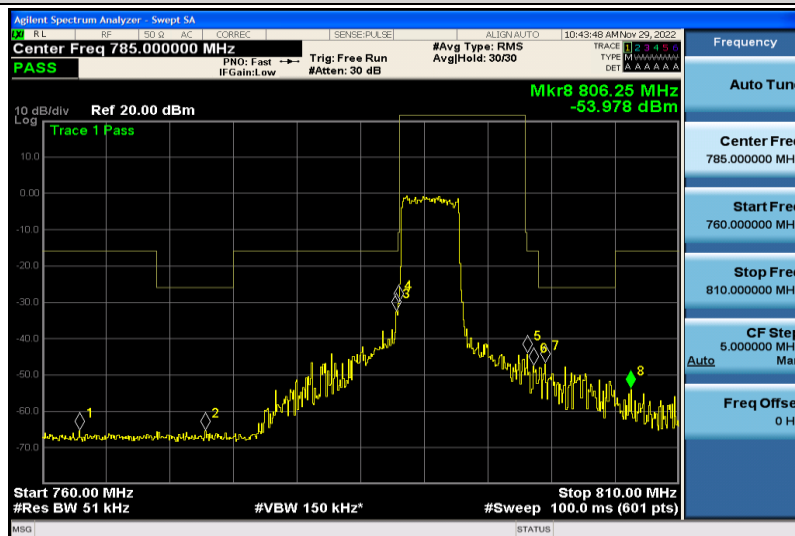
Band14-5MHz-QPSK-23355-1RB#24



Band14-5MHz-QPSK-23355-25RB#0



Band14-5MHz-64QAM-23305-1RB#0



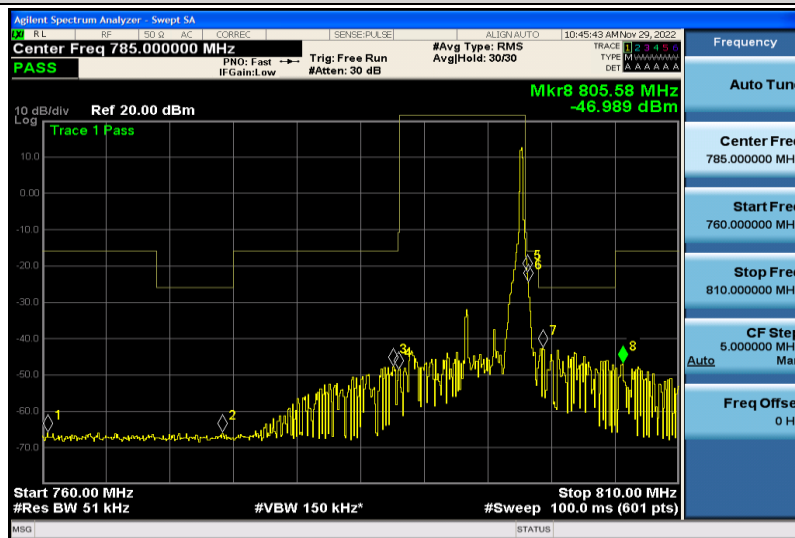
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Band14-5MHz-64QAM-23330-1RB#24



Band14-5MHz-64QAM-23330-25RB#0

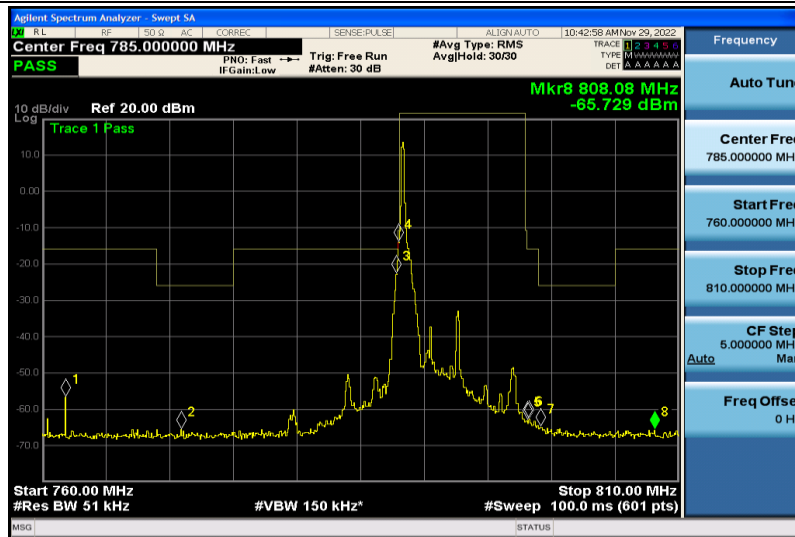


Band14-5MHz-64QAM-23335-1RB#24

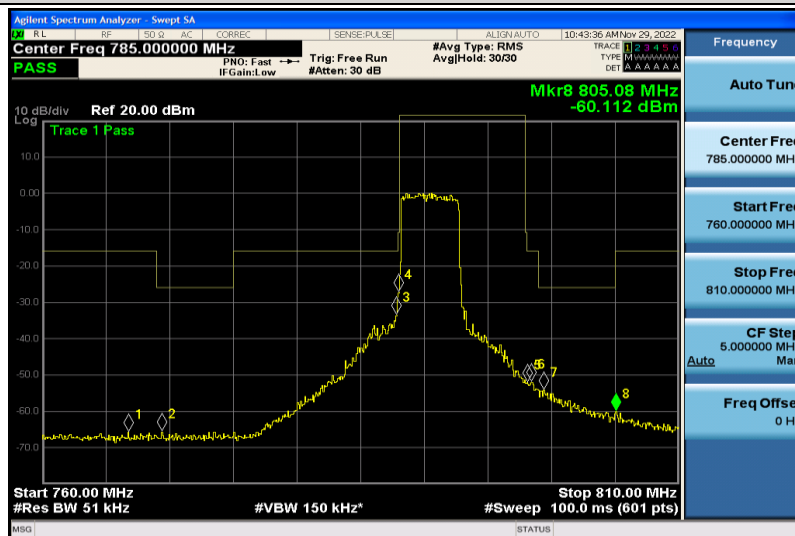


Band14-5MHz-64QAM-23355-25RB#0





Band14-5MHz-16QAM-23305-1RB#0



Band14-5MHz-16QAM-23305-25RB#0



Band14-5MHz-16QAM-23330-1RB#24



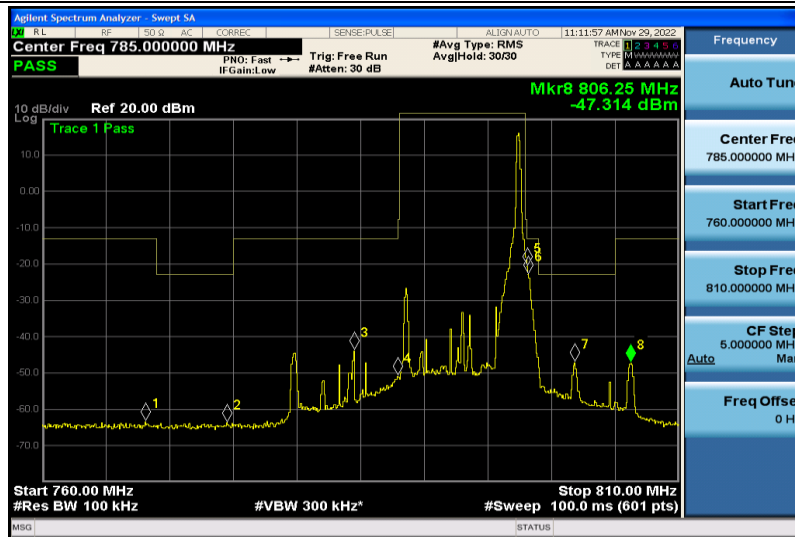
Band14-5MHz-16QAM-23330-25RB#0



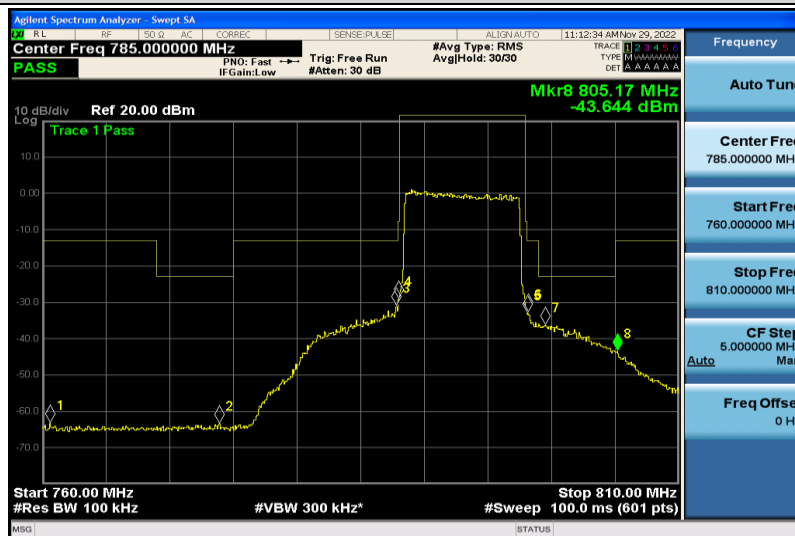
Band14-5MHz-16QAM-23335-1RB#24



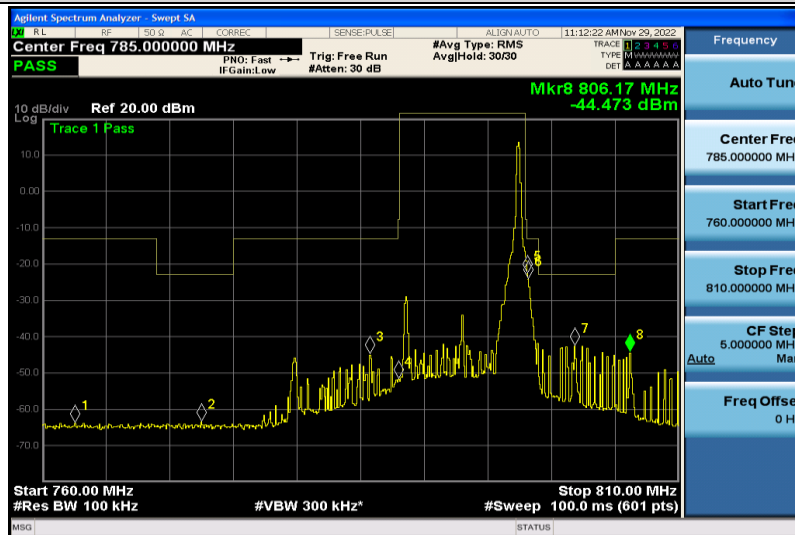
Band14-5MHz-16QAM-23355-25RB#0



Band14-10MHz-QPSK-23330-1RB#49



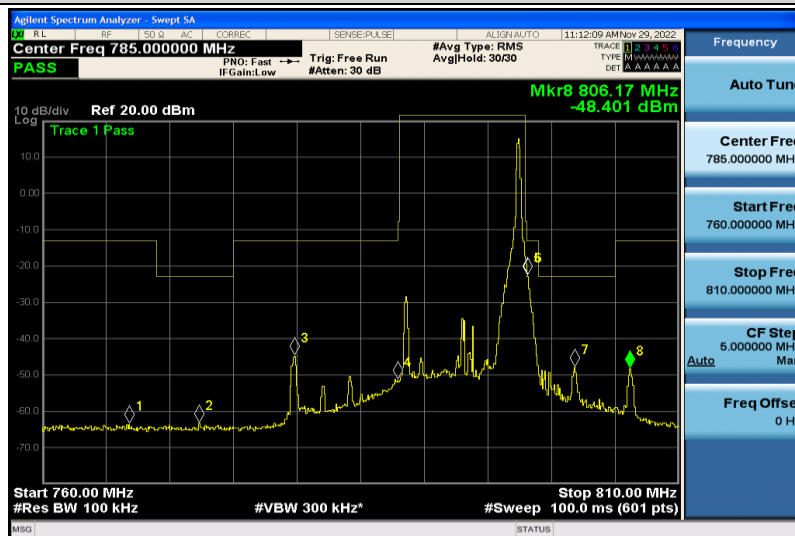
Band14-10MHz-QPSK-23330-50RB#0



Band14-10MHz-64QAM-23330-1RB#49



Band14-10MHz-64QAM-23330-50RB#0



Band14-10MHz-16QAM-23330-1RB#49



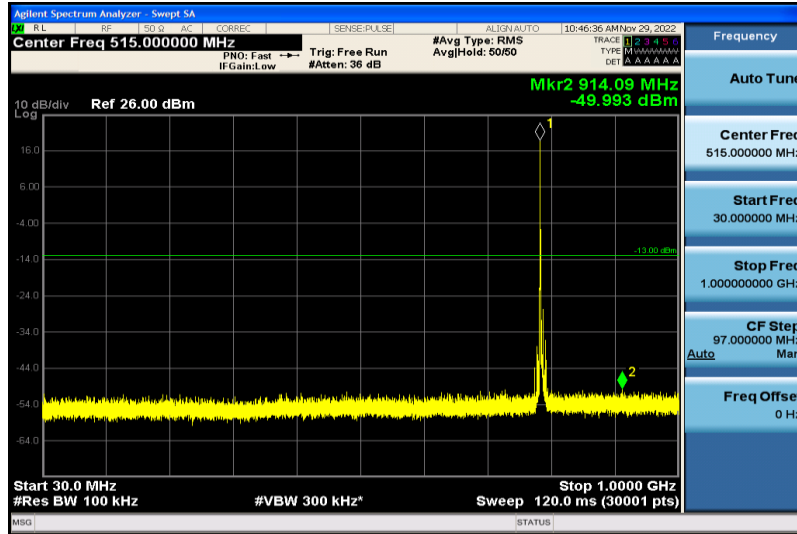
Band14-10MHz-16QAM-23330-50RB#0

## 8.5 Appendix E: Conducted Spurious Emission

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	30~1000MHz	-49.99	PASS
Band14	5MHz	QPSK	23305	1RB#0	1000~26000MHz	-34.14	PASS
Band14	5MHz	QPSK	23330	1RB#0	30~1000MHz	-48.14	PASS
Band14	5MHz	QPSK	23330	1RB#0	1000~26000MHz	-33.26	PASS
Band14	5MHz	QPSK	23355	1RB#0	30~1000MHz	-46.07	PASS
Band14	5MHz	QPSK	23355	1RB#0	1000~26000MHz	-33.5	PASS
Band14	5MHz	64QAM	23305	1RB#0	30~1000MHz	-49.32	PASS
Band14	5MHz	64QAM	23305	1RB#0	1000~26000MHz	-33.9	PASS
Band14	5MHz	64QAM	23330	1RB#0	30~1000MHz	-49.51	PASS
Band14	5MHz	64QAM	23330	1RB#0	1000~26000MHz	-33.36	PASS
Band14	5MHz	64QAM	23355	1RB#0	30~1000MHz	-48.99	PASS
Band14	5MHz	64QAM	23355	1RB#0	1000~26000MHz	-33.5	PASS
Band14	5MHz	16QAM	23305	1RB#0	30~1000MHz	-49.32	PASS
Band14	5MHz	16QAM	23305	1RB#0	1000~26000MHz	-34.19	PASS
Band14	5MHz	16QAM	23330	1RB#0	30~1000MHz	-48.6	PASS
Band14	5MHz	16QAM	23330	1RB#0	1000~26000MHz	-33.46	PASS
Band14	5MHz	16QAM	23355	1RB#0	30~1000MHz	-48.04	PASS
Band14	5MHz	16QAM	23355	1RB#0	1000~26000MHz	-33.43	PASS
Band14	10MHz	QPSK	23330	1RB#0	30~1000MHz	-49.02	PASS
Band14	10MHz	QPSK	23330	1RB#0	1000~26000MHz	-32.97	PASS
Band14	10MHz	64QAM	23330	1RB#0	30~1000MHz	-49.35	PASS
Band14	10MHz	64QAM	23330	1RB#0	1000~26000MHz	-33.31	PASS
Band14	10MHz	16QAM	23330	1RB#0	30~1000MHz	-48.45	PASS
Band14	10MHz	16QAM	23330	1RB#0	1000~26000MHz	-33.37	PASS

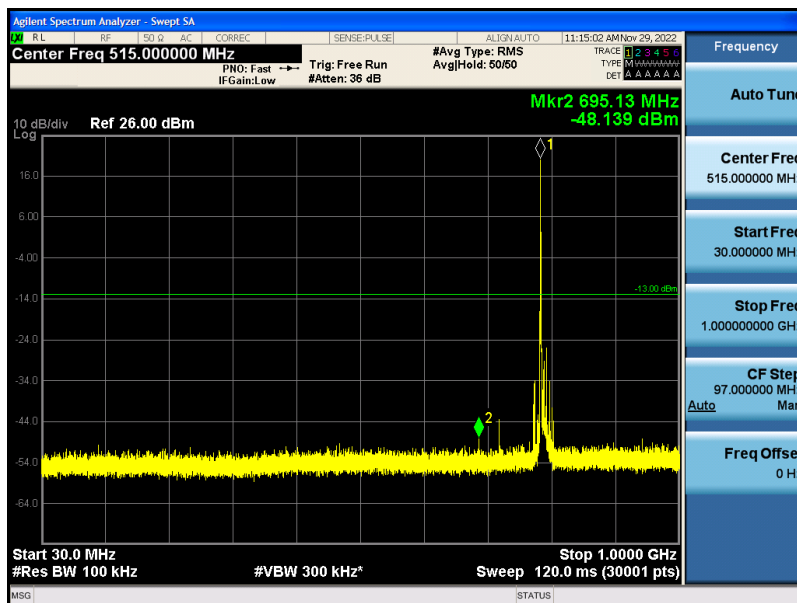
### Test Graphs



Band14-5MHz-QPSK-23305-1RB#0-30~1000MHz



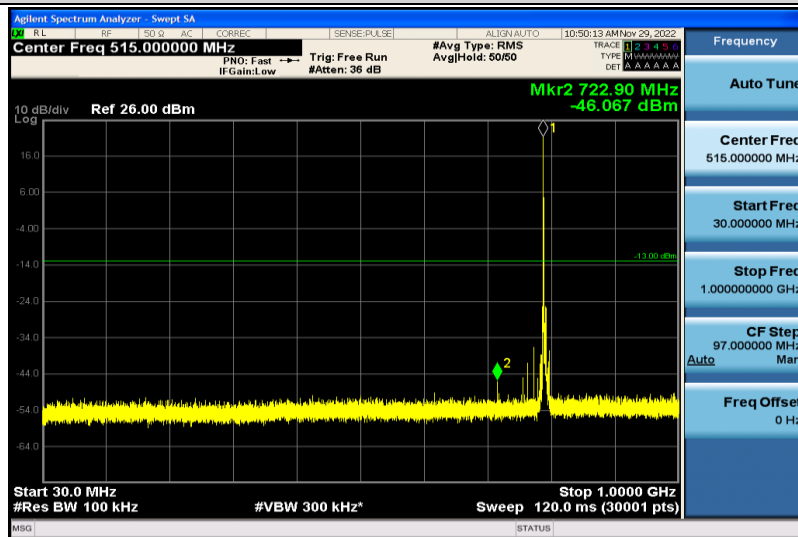
Band14-5MHz-QPSK-23305-1RB#0-1000~26000MHz



Band14-5MHz-QPSK-23330-1RB#0-30~1000MHz



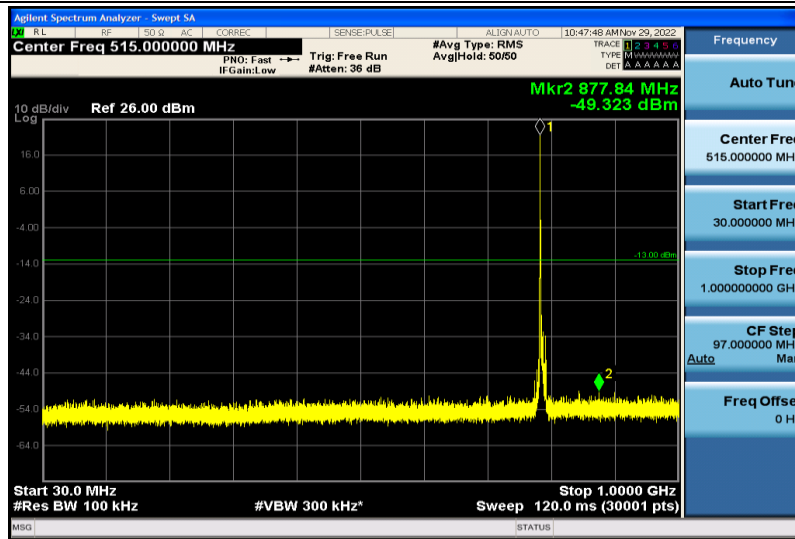
Band14-5MHz-QPSK-23330-1RB#0-1000~26000MHz



Band14-5MHz-QPSK-23355-1RB#0-30~1000MHz



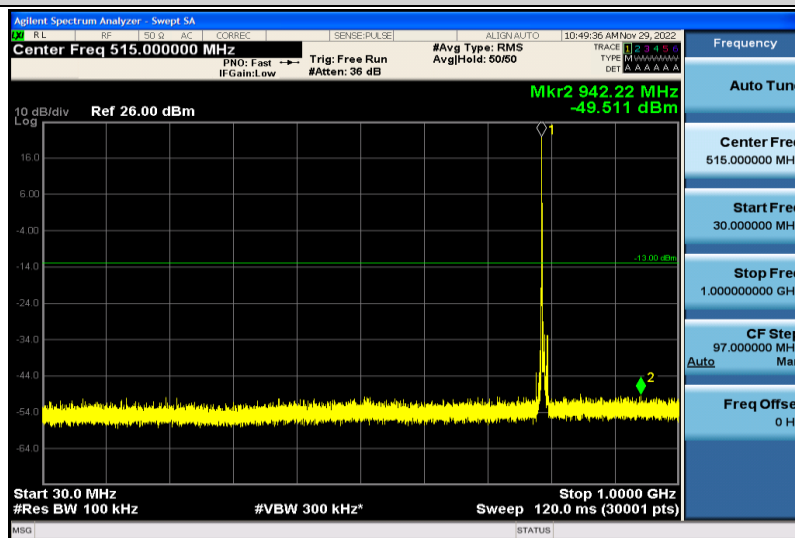
Band14-5MHz-QPSK-23355-1RB#0-1000~26000MHz



Band14-5MHz-64QAM-23305-1RB#0-30~1000MHz



Band14-5MHz-64QAM-23305-1RB#0-1000~26000MHz

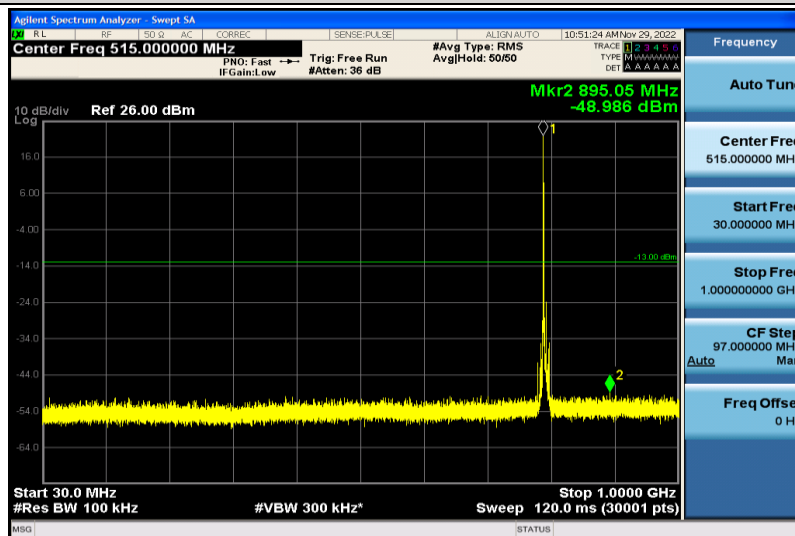


Band14-5MHz-64QAM-23330-1RB#0-30~1000MHz





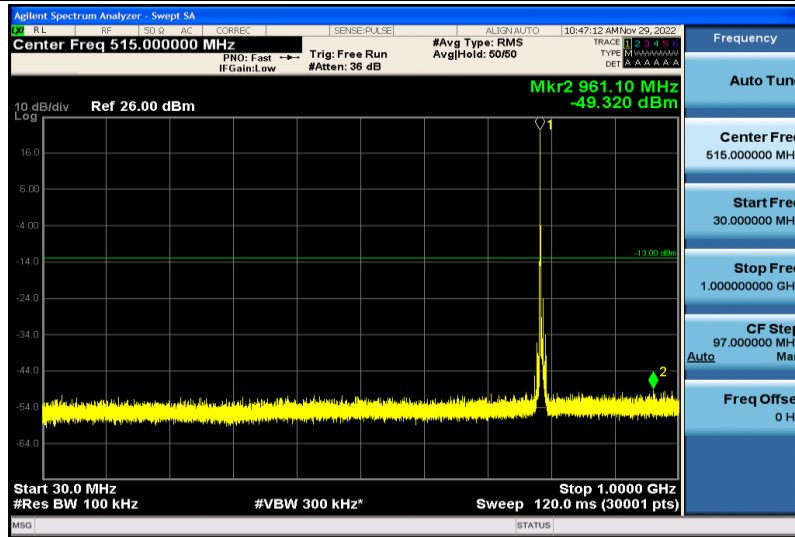
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Band14-5MHz-64QAM-23355-1RB#0-30~1000MHz



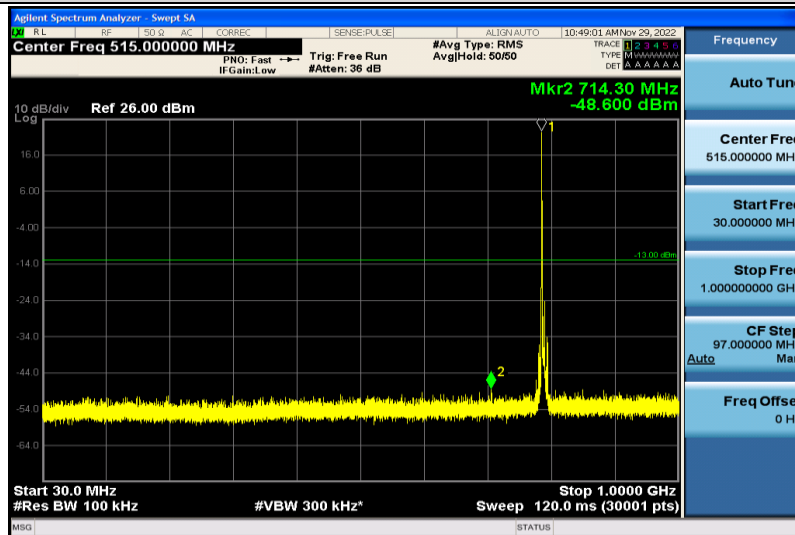
Band14-5MHz-64QAM-23355-1RB#0-1000~26000MHz



Band14-5MHz-16QAM-23305-1RB#0-30~1000MHz



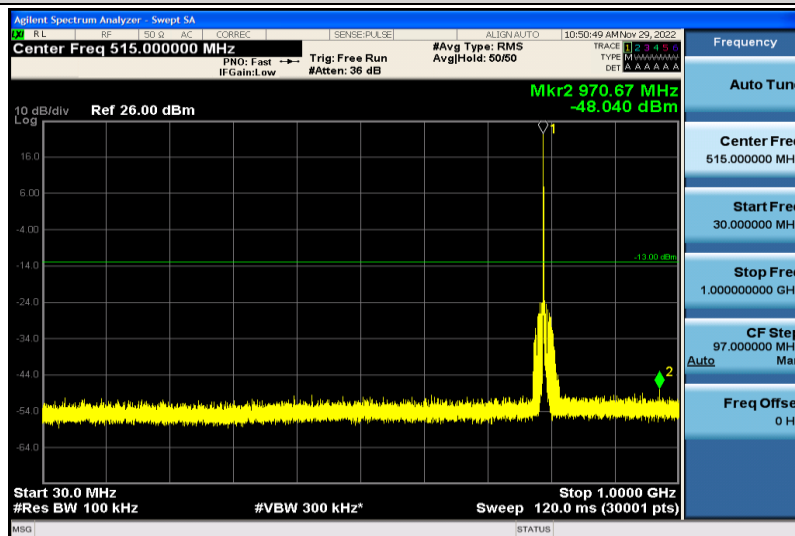
Band14-5MHz-16QAM-23305-1RB#0-1000~26000MHz



Band14-5MHz-16QAM-23330-1RB#0-30~1000MHz



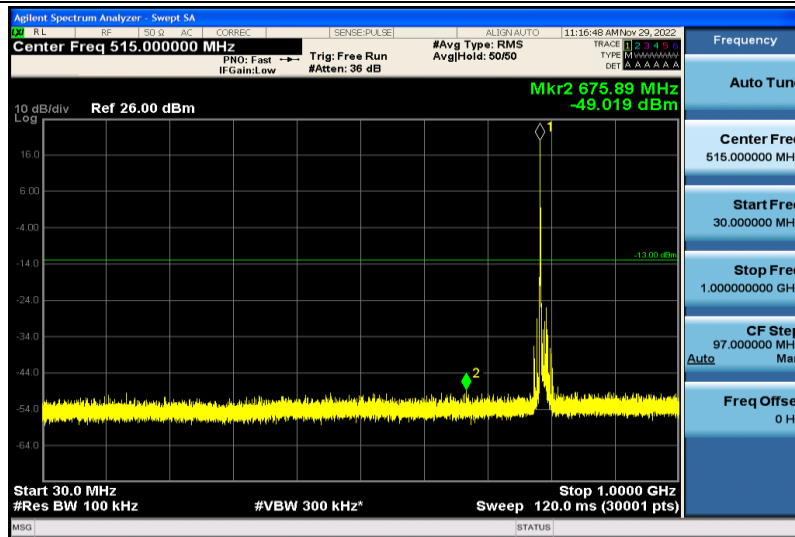
Band14-5MHz-16QAM-23330-1RB#0-1000~26000MHz



Band14-5MHz-16QAM-23355-1RB#0-30~1000MHz



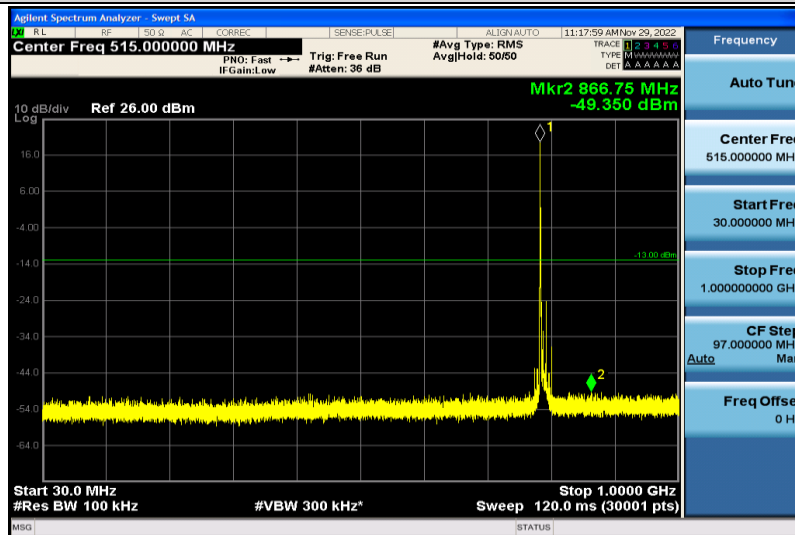
Band14-5MHz-16QAM-23355-1RB#0-1000~26000MHz



Band14-10MHz-QPSK-23330-1RB#0-30~1000MHz



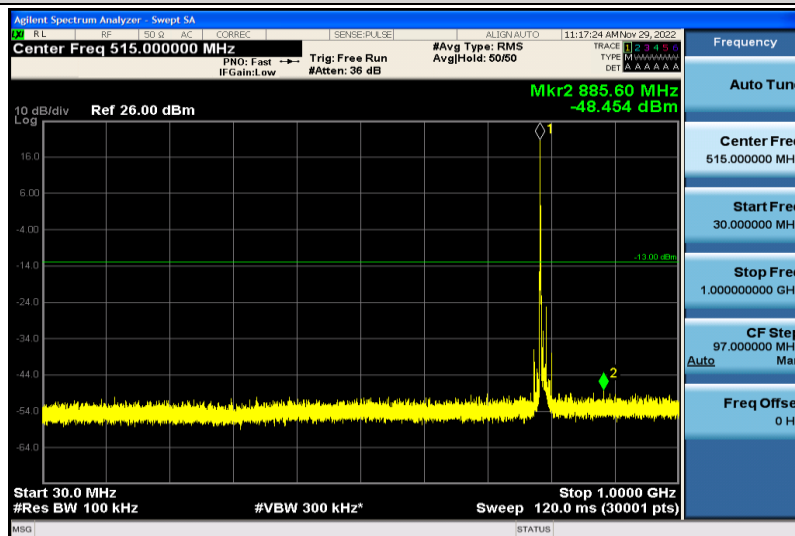
Band14-10MHz-QPSK-23330-1RB#0-1000~26000MHz



Band14-10MHz-64QAM-23330-1RB#0-30~1000MHz



Band14-10MHz-64QAM-23330-1RB#0-1000~26000MHz



Band14-10MHz-16QAM-23330-1RB#0-30~1000MHz



Band14-10MHz-16QAM-23330-1RB#0-1000~26000MHz

## 8.6 Appendix F: Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band14	5MHz	QPSK	23305	25RB#0	VL	NT	-15.46	-0.019557	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	VN	NT	-12.10	-0.015307	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	VH	NT	-16.06	-0.020316	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	VL	NT	-11.76	-0.014830	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	VN	NT	-12.67	-0.015977	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	VH	NT	-11.90	-0.015006	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	VL	NT	-13.63	-0.017134	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	VN	NT	-10.06	-0.012646	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	VH	NT	-12.42	-0.015613	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	VL	NT	-12.02	-0.015206	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	VN	NT	-13.76	-0.017407	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	VH	NT	-13.82	-0.017483	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	VL	NT	-11.49	-0.014489	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	VN	NT	-10.34	-0.013039	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	VH	NT	-16.85	-0.021248	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	VL	NT	-7.22	-0.009076	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	VN	NT	-16.34	-0.020541	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	VH	NT	-13.29	-0.016706	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	VL	NT	-9.40	-0.011891	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	VN	NT	-10.74	-0.013586	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	VH	NT	-17.57	-0.022226	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	VL	NT	-12.99	-0.016381	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	VN	NT	-16.15	-0.020366	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	VH	NT	-13.48	-0.016999	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	VL	NT	-11.87	-0.014921	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	VN	NT	-10.73	-0.013488	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	VH	NT	-11.93	-0.014997	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	-17.21	-0.021702	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-13.06	-0.016469	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	-12.90	-0.016267	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	VL	NT	-11.10	-0.013997	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	VN	NT	-17.78	-0.022421	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	VH	NT	-16.37	-0.020643	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VL	NT	-7.87	-0.009924	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VN	NT	-9.36	-0.011803	±2.5	PASS

Band14	10MHz	16QAM	23330	50RB#0	VH	NT	-16.99	-0.021425	±2.5	PASS
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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	NV	-30	-13.70	-0.017331	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-20	-15.75	-0.019924	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-10	-14.82	-0.018748	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	0	-14.18	-0.017938	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	10	-18.28	-0.023125	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	20	-14.00	-0.017710	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	30	-12.43	-0.015724	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	40	-14.46	-0.018292	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	50	-14.36	-0.018166	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-30	-11.92	-0.015032	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-20	-12.93	-0.016305	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-10	-13.45	-0.016961	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	0	-14.38	-0.018134	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	10	-14.96	-0.018865	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	20	-14.62	-0.018436	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	30	-15.36	-0.019369	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	40	-15.46	-0.019496	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	50	-9.71	-0.012245	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-30	-12.85	-0.016153	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-20	-11.44	-0.014381	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-10	-10.91	-0.013715	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	0	-9.97	-0.012533	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	10	-13.12	-0.016493	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	20	-15.19	-0.019095	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	30	-14.12	-0.017750	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	40	-14.65	-0.018416	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	50	-13.06	-0.016417	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	-30	-12.49	-0.015800	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	-20	-12.25	-0.015497	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	-10	-12.35	-0.015623	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	0	-11.40	-0.014421	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	10	-15.92	-0.020139	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	20	-11.60	-0.014674	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	30	-13.38	-0.016926	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	40	-13.59	-0.017192	±2.5	PASS
Band14	5MHz	64QAM	23305	25RB#0	NV	50	-14.05	-0.017774	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	-30	-15.44	-0.019470	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	-20	-10.20	-0.012863	±2.5	PASS

Band14	5MHz	64QAM	23330	25RB#0	NV	-10	-10.76	-0.013569	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	0	-13.78	-0.017377	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	10	-11.59	-0.014615	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	20	-9.67	-0.012194	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	30	-16.94	-0.021362	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	40	-12.49	-0.015750	±2.5	PASS
Band14	5MHz	64QAM	23330	25RB#0	NV	50	-12.49	-0.015750	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	-30	-12.87	-0.016179	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	-20	-15.34	-0.019283	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	-10	-14.35	-0.018039	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	0	-8.96	-0.011263	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	10	-13.45	-0.016908	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	20	-9.91	-0.012458	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	30	-12.30	-0.015462	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	40	-9.50	-0.011942	±2.5	PASS
Band14	5MHz	64QAM	23355	25RB#0	NV	50	-10.64	-0.013375	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-30	-17.17	-0.021720	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-20	-9.74	-0.012321	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-10	-12.06	-0.015256	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	0	-13.83	-0.017495	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	10	-11.03	-0.013953	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	20	-14.91	-0.018861	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	30	-13.22	-0.016724	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	40	-12.30	-0.015560	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	50	-16.45	-0.020810	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-30	-11.93	-0.015044	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-20	-15.22	-0.019193	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-10	-16.15	-0.020366	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	0	-17.18	-0.021665	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	10	-14.76	-0.018613	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	20	-9.67	-0.012194	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	30	-15.22	-0.019193	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	40	-11.37	-0.014338	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	50	-8.25	-0.010404	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-30	-12.37	-0.015550	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-20	-11.69	-0.014695	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-10	-4.19	-0.005267	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	0	-10.11	-0.012709	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	10	-10.90	-0.013702	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	20	-10.49	-0.013187	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	30	-9.23	-0.011603	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	40	-13.39	-0.016832	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	50	-12.26	-0.015412	±2.5	PASS



Band14	10MHz	QPSK	23330	50RB#0	NV	-30	-13.28	-0.016747	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-9.11	-0.011488	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-10.33	-0.013026	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-13.53	-0.017062	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-13.85	-0.017465	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-16.87	-0.021274	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-17.85	-0.022509	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-12.39	-0.015624	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-10.30	-0.012989	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	-30	-15.76	-0.019874	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	-20	-15.72	-0.019823	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	-10	-13.93	-0.017566	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	0	-12.40	-0.015637	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	10	-13.73	-0.017314	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	20	-14.08	-0.017755	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	30	-9.21	-0.011614	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	40	-13.99	-0.017642	±2.5	PASS
Band14	10MHz	64QAM	23330	50RB#0	NV	50	-13.45	-0.016961	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-30	-11.79	-0.014868	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-20	-11.66	-0.014704	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-10	-9.86	-0.012434	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	0	-15.26	-0.019243	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	10	-14.05	-0.017718	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	20	-12.26	-0.015460	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	30	-14.82	-0.018689	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	40	-11.84	-0.014931	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	50	-15.96	-0.020126	±2.5	PASS

## 8.7 Appendix G: ERP

### Test Result

Band	Bandwidth	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
					(dBm)	(W)		
Band 14	5MHz	QPSK	23.71	-3.50	18.06	0.0640	3	PASS
		16QAM	22.66	-3.50	17.01	0.0502	3	PASS
		64QAM	22.69	-3.50	17.04	0.0506	3	PASS
	10MHz	QPSK	23.53	-3.50	17.88	0.0614	3	PASS
		16QAM	22.60	-3.50	16.95	0.0495	3	PASS
		64QAM	22.63	-3.50	16.98	0.0499	3	PASS

-----End of the Report -----