

Appendix Test Data

Report No.:	18220WC20274908	Test Sample No.:	1-2-2
Start Test Date:	2022.11.30	Finish Test Date:	2023.1.9
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	37 %
Pressure:	1012 hPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	24.41	38.45	PASS
Band5	4182	24.04	38.45	PASS
Band5	4233	23.99	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.70	38.5	PASS
Band5	4132	2	23.01	38.5	PASS
Band5	4132	3	22.78	38.5	PASS
Band5	4132	4	23.01	38.5	PASS
Band5	4182	1	23.11	38.5	PASS
Band5	4182	2	22.52	38.5	PASS
Band5	4182	3	22.41	38.5	PASS
Band5	4182	4	22.65	38.5	PASS
Band5	4233	1	22.89	38.5	PASS
Band5	4233	2	22.28	38.5	PASS
Band5	4233	3	22.37	38.5	PASS
Band5	4233	4	22.40	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.33	38.5	PASS
Band5	4132	2	21.93	38.5	PASS
Band5	4132	3	21.51	38.5	PASS
Band5	4132	4	21.26	38.5	PASS

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Band5	4132	5	23.38	38.5	PASS
Band5	4182	1	22.86	38.5	PASS
Band5	4182	2	21.48	38.5	PASS
Band5	4182	3	21.05	38.5	PASS
Band5	4182	4	20.93	38.5	PASS
Band5	4182	5	22.99	38.5	PASS
Band5	4233	1	22.64	38.5	PASS
Band5	4233	2	21.39	38.5	PASS
Band5	4233	3	21.10	38.5	PASS
Band5	4233	4	20.84	38.5	PASS
Band5	4233	5	22.85	38.5	PASS

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Appendix B: Peak-to-Average Ratio

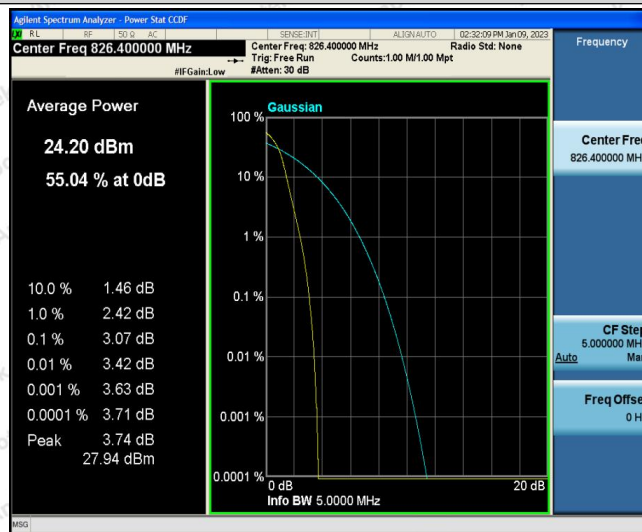
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	3.07	13	PASS
Band5	4182	3.14	13	PASS
Band5	4233	3.01	13	PASS

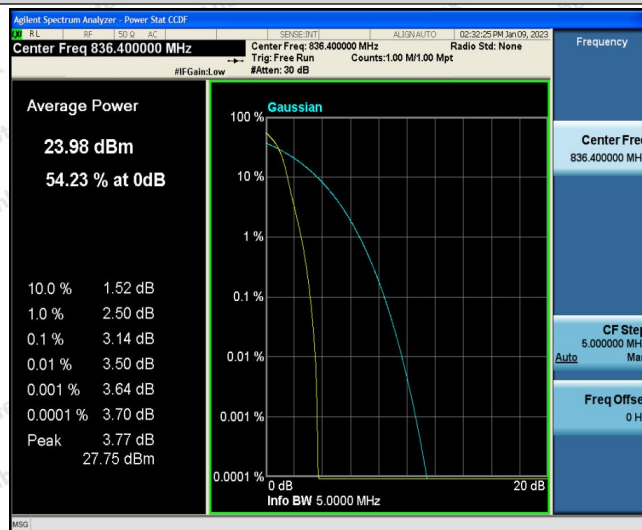


Test Graphs

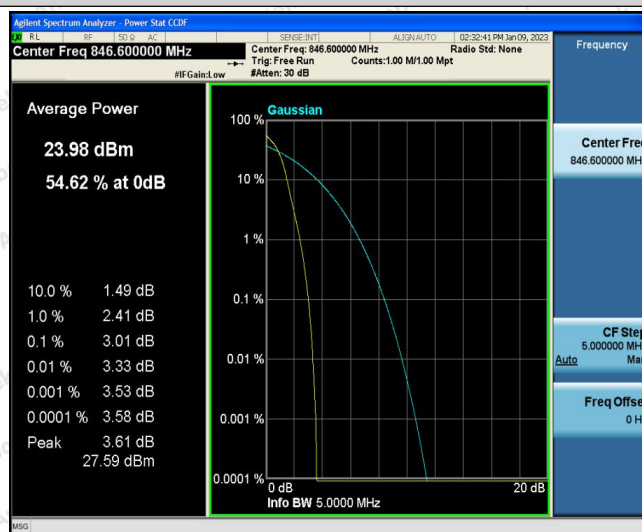
Band5-4132



Band5-4182



Band5-4233



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Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	4.1250	4.686	---	PASS
Band5	4182	4.1269	4.679	---	PASS
Band5	4233	4.1130	4.683	---	PASS

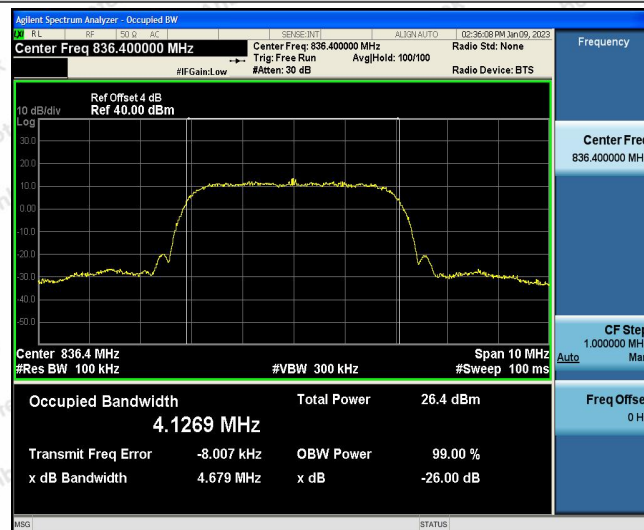


Test Graphs

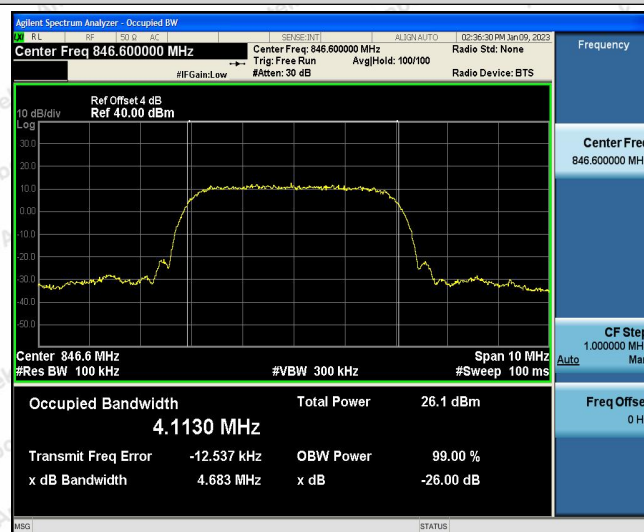
Band5-4132



Band5-4182



Band5-4233



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Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.88	-23.16	-13	PASS
Band5	4233	849.17	-24.92	-13	PASS

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Test Graphs

Band5-4132



Band5-4233



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Appendix E: Conducted Spurious Emission

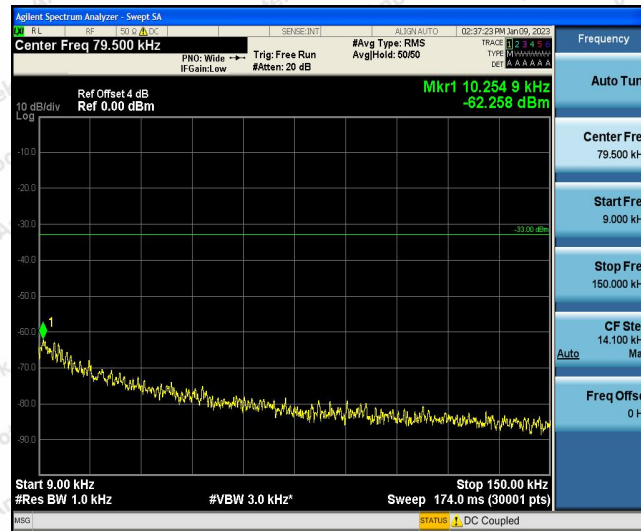
Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-62.26	-33	PASS
Band5	4132	0.15~30MHz	0.28	-55.68	-13	PASS
Band5	4132	30~1000MHz	722.9	-52.43	-13	PASS
Band5	4132	1000~3000MHz	2646.33	-48.06	-13	PASS
Band5	4132	3000~10000MHz	5184.93	-60.33	-13	PASS
Band5	4132	10000~18000MHz	16265.07	-58.79	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-60.9	-33	PASS
Band5	4182	0.15~30MHz	0.32	-57.2	-13	PASS
Band5	4182	30~1000MHz	725.17	-52.51	-13	PASS
Band5	4182	1000~3000MHz	2658.6	-47.95	-13	PASS
Band5	4182	3000~10000MHz	5946.3	-62.78	-13	PASS
Band5	4182	10000~18000MHz	16274.4	-58.84	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-61.46	-33	PASS
Band5	4233	0.15~30MHz	0.28	-53.5	-13	PASS
Band5	4233	30~1000MHz	467.57	-52.31	-13	PASS
Band5	4233	1000~3000MHz	2644.2	-48.14	-13	PASS
Band5	4233	3000~10000MHz	5589.53	-62.8	-13	PASS
Band5	4233	10000~18000MHz	16250.93	-58.91	-13	PASS

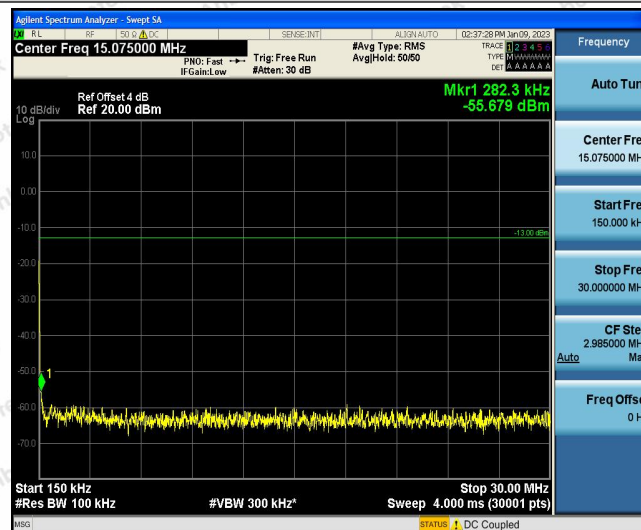


Test Graphs

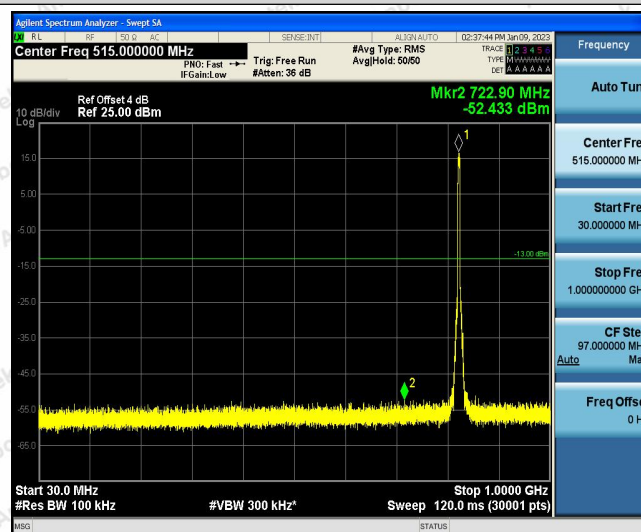
Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



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Band5-4132-1000~3000MHz



Band5-4132-3000~10000MHz



Band5-4132-10000~18000MHz



Band5-4182-0.009~0.15MHz

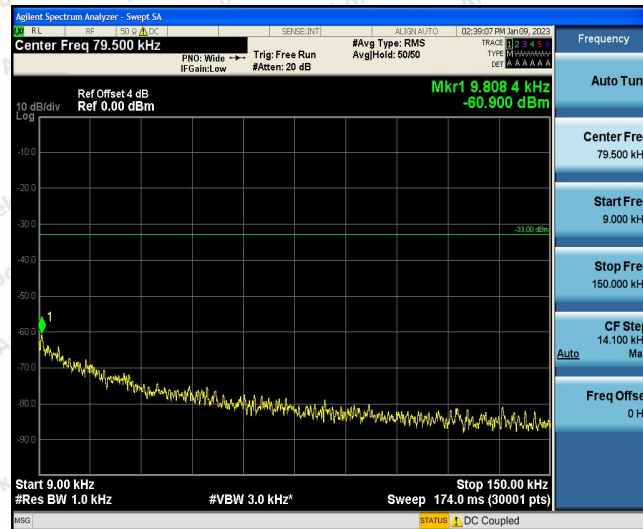
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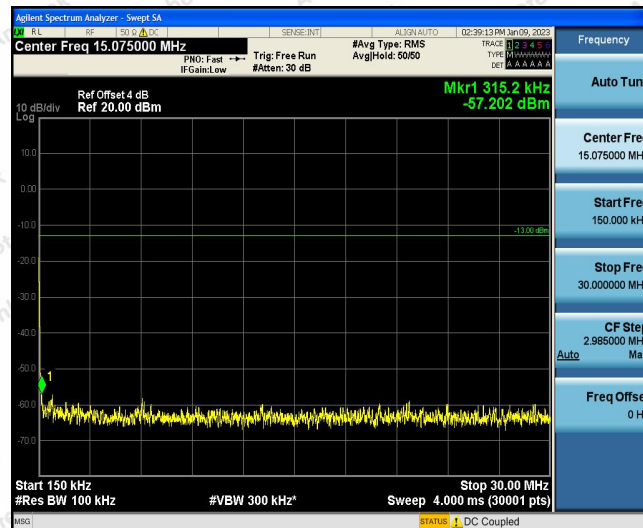


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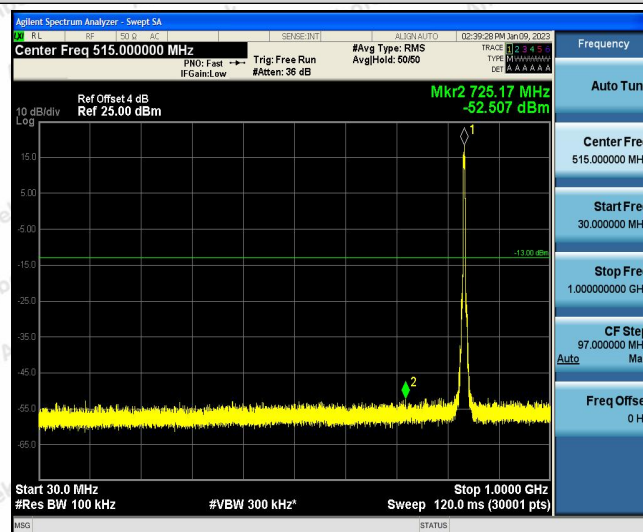




Band5-4182-0.15~30MHz



Band5-4182-30~1000MHz



Band5-4182-1000~3000MHz

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Band5-4182-3000~10000MHz



Band5-4182-10000~18000MHz



Band5-4233-0.009~0.15MHz

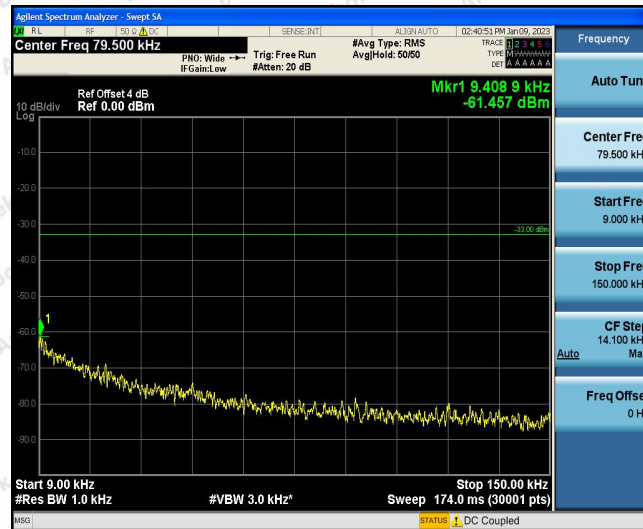
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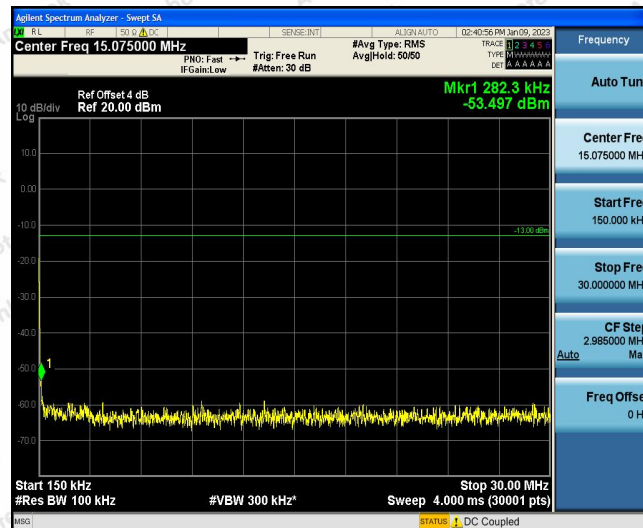


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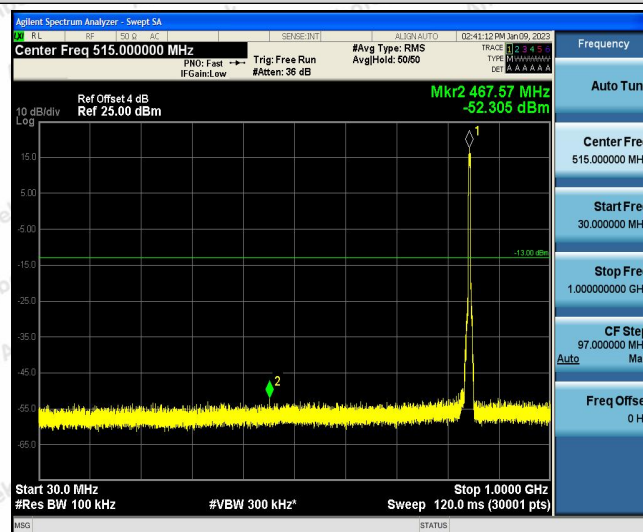




Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz

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Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz



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Appendix F: Frequency Stability VS Voltage measurement

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	1.80	0.002178	±2.5	PASS
Band5	4132	VN	NT	1.17	0.001416	±2.5	PASS
Band5	4132	VH	NT	1.23	0.001488	±2.5	PASS
Band5	4182	VL	NT	0.24	0.000287	±2.5	PASS
Band5	4182	VN	NT	0.41	0.000490	±2.5	PASS
Band5	4182	VH	NT	0.11	0.000132	±2.5	PASS
Band5	4233	VL	NT	-1.97	-0.002327	±2.5	PASS
Band5	4233	VN	NT	-1.94	-0.002292	±2.5	PASS
Band5	4233	VH	NT	-1.92	-0.002268	±2.5	PASS



Appendix G: Frequency Stability VS Temperature measurement

Test Result

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	1.12	0.001355	±2.5	PASS
Band5	4132	NV	-20	1.32	0.001597	±2.5	PASS
Band5	4132	NV	0	1.52	0.001839	±2.5	PASS
Band5	4132	NV	10	1.13	0.001367	±2.5	PASS
Band5	4132	NV	20	1.35	0.001634	±2.5	PASS
Band5	4182	NV	-30	-0.33	-0.000395	±2.5	PASS
Band5	4182	NV	-20	-0.15	-0.000179	±2.5	PASS
Band5	4182	NV	0	0.04	0.000048	±2.5	PASS
Band5	4182	NV	10	0.35	0.000418	±2.5	PASS
Band5	4182	NV	20	0.01	0.000012	±2.5	PASS
Band5	4233	NV	-30	-2.02	-0.002386	±2.5	PASS
Band5	4233	NV	-20	-1.75	-0.002067	±2.5	PASS
Band5	4233	NV	0	-2.22	-0.002622	±2.5	PASS
Band5	4233	NV	10	-2.07	-0.002445	±2.5	PASS
Band5	4233	NV	20	-1.87	-0.002209	±2.5	PASS

---END---

