

Appendix Test Data

Report No.:	18220WC20287804	Test Sample No.:	1-2-1
Start Test Date:	2022.12.15	Finish Test Date:	2023.1.3
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.5C°	Relative Humidity:	35 %
Pressure:	1012 hPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	22.43	33.01	PASS
Band2	9400	22.58	33.01	PASS
Band2	9538	22.75	33.01	PASS
Band5	4132	23.70	38.45	PASS
Band5	4182	24.48	38.45	PASS
Band5	4233	23.81	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.66	33.01	PASS
Band2	9262	2	20.94	33.01	PASS
Band2	9262	3	20.86	33.01	PASS
Band2	9262	4	20.87	33.01	PASS
Band2	9400	1	22.94	33.01	PASS
Band2	9400	2	21.07	33.01	PASS
Band2	9400	3	21.11	33.01	PASS
Band2	9400	4	21.04	33.01	PASS
Band2	9538	1	21.81	33.01	PASS
Band2	9538	2	21.17	33.01	PASS
Band2	9538	3	21.23	33.01	PASS
Band2	9538	4	21.20	33.01	PASS
Band5	4132	1	23.51	38.5	PASS
Band5	4132	2	22.08	38.5	PASS
Band5	4132	3	22.09	38.5	PASS
Band5	4132	4	22.14	38.5	PASS
Band5	4182	1	22.83	38.5	PASS

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Band5	4182	2	22.04	38.5	PASS
Band5	4182	3	22.03	38.5	PASS
Band5	4182	4	22.04	38.5	PASS
Band5	4233	1	22.80	38.5	PASS
Band5	4233	2	22.15	38.5	PASS
Band5	4233	3	22.03	38.5	PASS
Band5	4233	4	22.15	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	21.36	33.01	PASS
Band2	9262	2	20.25	33.01	PASS
Band2	9262	3	19.49	33.01	PASS
Band2	9262	4	20.23	33.01	PASS
Band2	9262	5	21.29	33.01	PASS
Band2	9400	1	20.95	33.01	PASS
Band2	9400	2	20.51	33.01	PASS
Band2	9400	3	19.97	33.01	PASS
Band2	9400	4	20.99	33.01	PASS
Band2	9400	5	21.53	33.01	PASS
Band2	9538	1	21.50	33.01	PASS
Band2	9538	2	20.54	33.01	PASS
Band2	9538	3	20.46	33.01	PASS
Band2	9538	4	21.00	33.01	PASS
Band2	9538	5	21.54	33.01	PASS
Band5	4132	1	22.17	38.5	PASS
Band5	4132	2	21.50	38.5	PASS
Band5	4132	3	21.39	38.5	PASS
Band5	4132	4	22.29	38.5	PASS
Band5	4132	5	22.49	38.5	PASS
Band5	4182	1	22.14	38.5	PASS
Band5	4182	2	21.48	38.5	PASS
Band5	4182	3	20.89	38.5	PASS
Band5	4182	4	21.51	38.5	PASS
Band5	4182	5	22.41	38.5	PASS
Band5	4233	1	21.85	38.5	PASS
Band5	4233	2	21.62	38.5	PASS
Band5	4233	3	20.95	38.5	PASS
Band5	4233	4	21.79	38.5	PASS
Band5	4233	5	22.43	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
Band2	9262	3.06	13	PASS
Band2	9400	3.13	13	PASS
Band2	9538	3.17	13	PASS
Band5	4132	3.16	13	PASS
Band5	4182	3.20	13	PASS
Band5	4233	3.12	13	PASS

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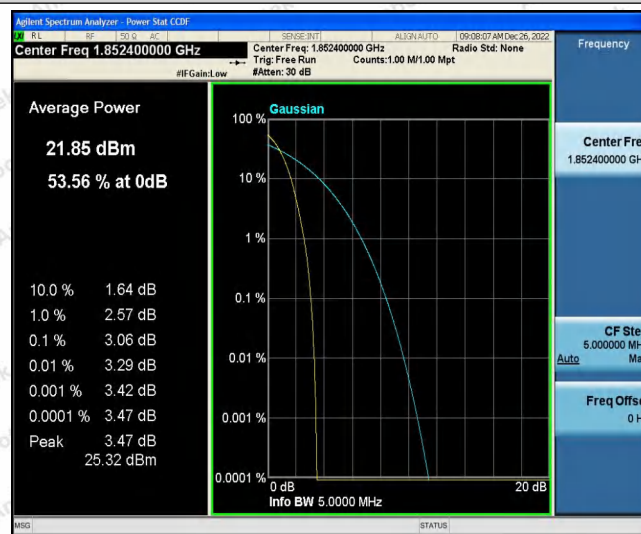


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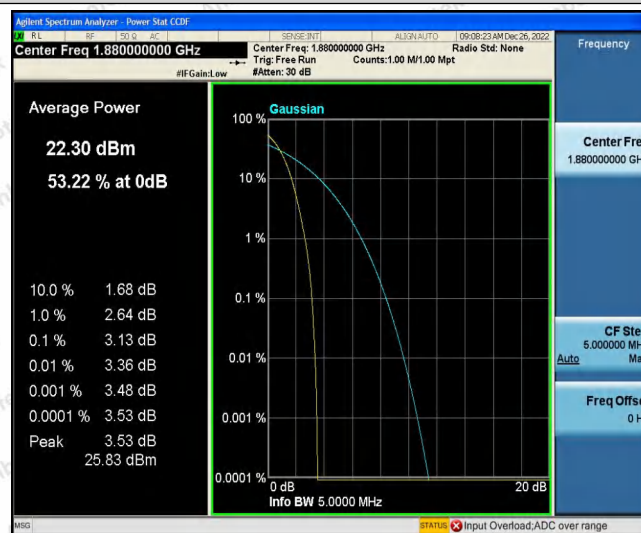


Test Graphs

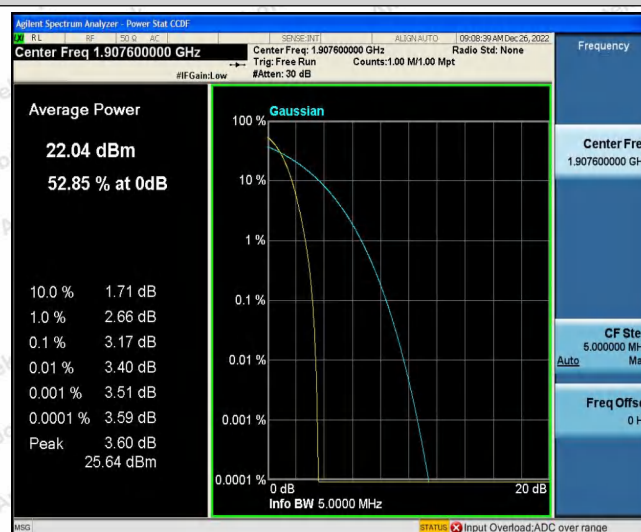
Band2-9262



Band2-9400



Band2-9538



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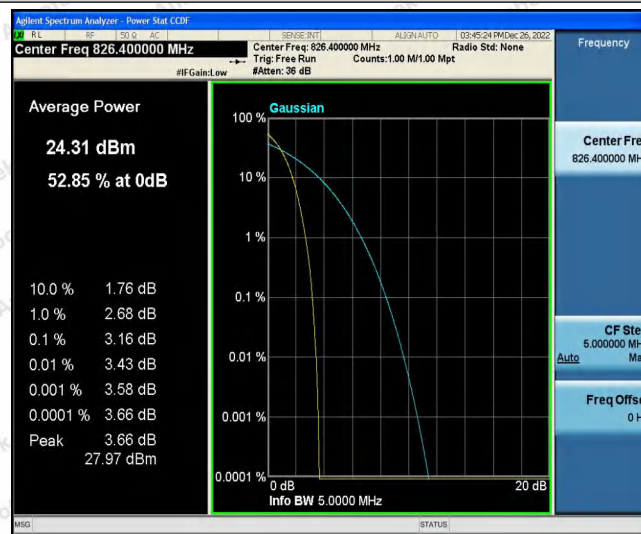
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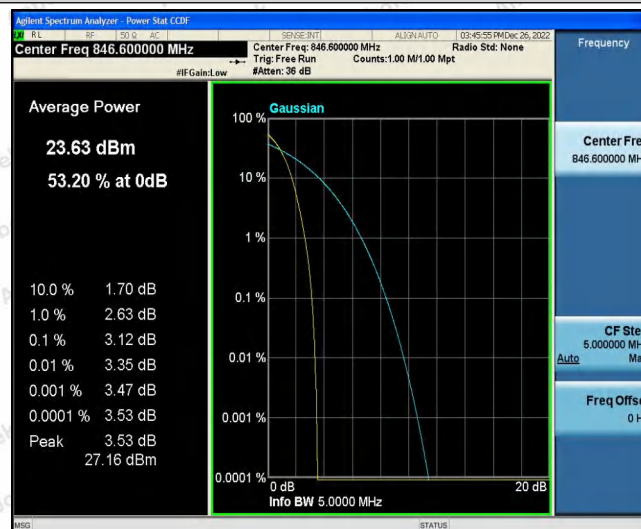
Band5-4132



Band5-4182



Band5-4233



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Appendix C: 26dB Bandwidth and Occupied Bandwidth

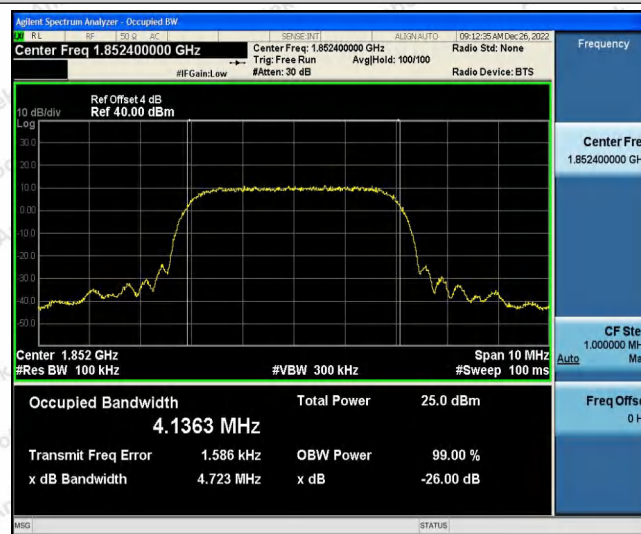
Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
Band2	9262	4.1363	4.723	---	PASS
Band2	9400	4.1390	4.722	---	PASS
Band2	9538	4.1478	4.717	---	PASS
Band5	4132	4.1522	4.712	---	PASS
Band5	4182	4.1566	4.711	---	PASS
Band5	4233	4.1503	4.714	---	PASS

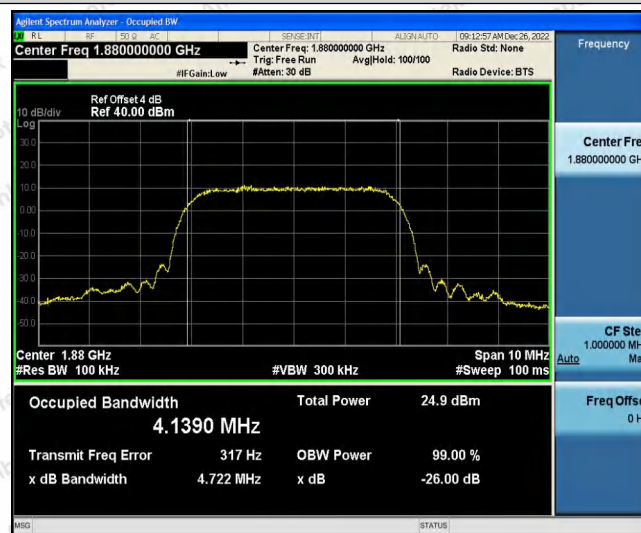


Test Graphs

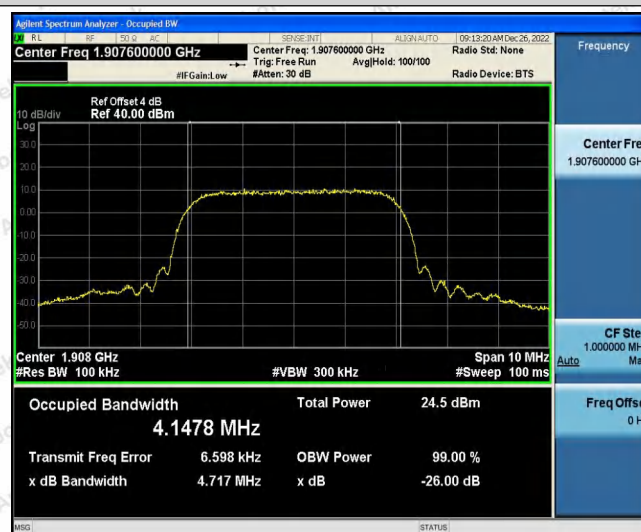
Band2-9262



Band2-9400



Band2-9538



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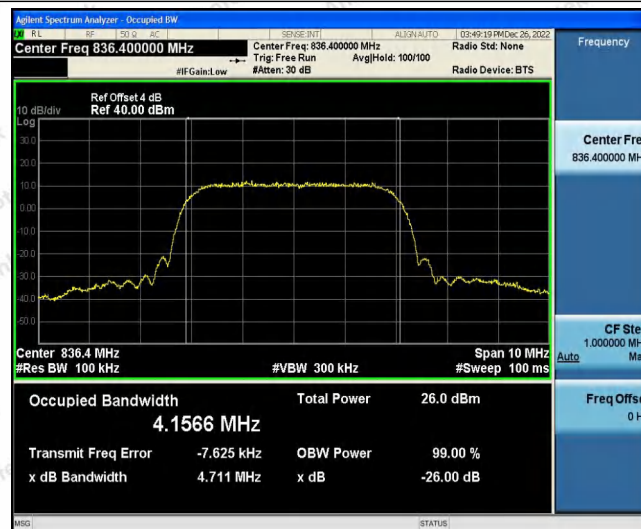
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Band5-4132



Band5-4182



Band5-4233



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Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-25.24	-13	PASS
Band2	9538	1910.14	-24.93	-13	PASS
Band5	4132	823.88	-23.38	-13	PASS
Band5	4233	849.18	-24.47	-13	PASS

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Test Graphs

Band2-9262



Band2-9538



Band5-4132



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Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range (MHz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-62.32	-43	PASS
Band2	9262	0.15~30MHz	0.28	-55.5	-23	PASS
Band2	9262	30~1000MHz	840.44	-51.79	-13	PASS
Band2	9262	1000~3000MHz	2661.87	-47.84	-13	PASS
Band2	9262	3000~10000MHz	3706.53	-56.97	-13	PASS
Band2	9262	10000~20000MHz	19498.67	-57.97	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-60.63	-43	PASS
Band2	9400	0.15~30MHz	0.29	-57.84	-23	PASS
Band2	9400	30~1000MHz	928.03	-51.63	-13	PASS
Band2	9400	1000~3000MHz	2659.27	-48.02	-13	PASS
Band2	9400	3000~10000MHz	3761.37	-58.81	-13	PASS
Band2	9400	10000~20000MHz	19502.67	-58.16	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-62.35	-43	PASS
Band2	9538	0.15~30MHz	0.28	-56.12	-23	PASS
Band2	9538	30~1000MHz	825.89	-51.56	-13	PASS
Band2	9538	1000~3000MHz	2641.47	-48.03	-13	PASS
Band2	9538	3000~10000MHz	3816.9	-58.62	-13	PASS
Band2	9538	10000~20000MHz	19529	-58.1	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-63	-33	PASS
Band5	4132	0.15~30MHz	0.28	-54.79	-13	PASS
Band5	4132	30~1000MHz	480.95	-51.86	-13	PASS
Band5	4132	1000~3000MHz	2640.53	-48.21	-13	PASS
Band5	4132	3000~10000MHz	5175.83	-61.03	-13	PASS
Band5	4132	10000~18000MHz	16254.4	-58.81	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-61.04	-33	PASS
Band5	4182	0.15~30MHz	0.28	-56.84	-13	PASS
Band5	4182	30~1000MHz	948.43	-52.18	-13	PASS
Band5	4182	1000~3000MHz	2654.2	-48.14	-13	PASS
Band5	4182	3000~10000MHz	5663.97	-62.81	-13	PASS
Band5	4182	10000~18000MHz	16263.73	-58.95	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-61.74	-33	PASS
Band5	4233	0.15~30MHz	0.28	-56.06	-13	PASS
Band5	4233	30~1000MHz	741.37	-51.45	-13	PASS
Band5	4233	1000~3000MHz	2635.13	-48.16	-13	PASS
Band5	4233	3000~10000MHz	5175.13	-62.9	-13	PASS
Band5	4233	10000~18000MHz	16269.07	-58.89	-13	PASS

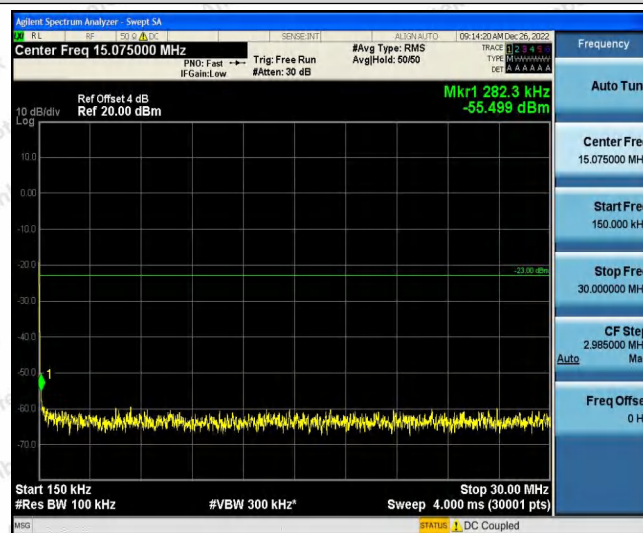


Test Graphs

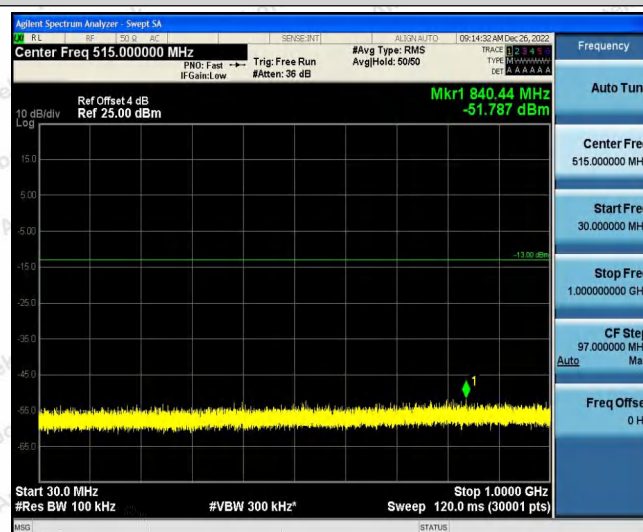
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Band2-9262-0.15~30MHz



Band2-9262-30~1000MHz



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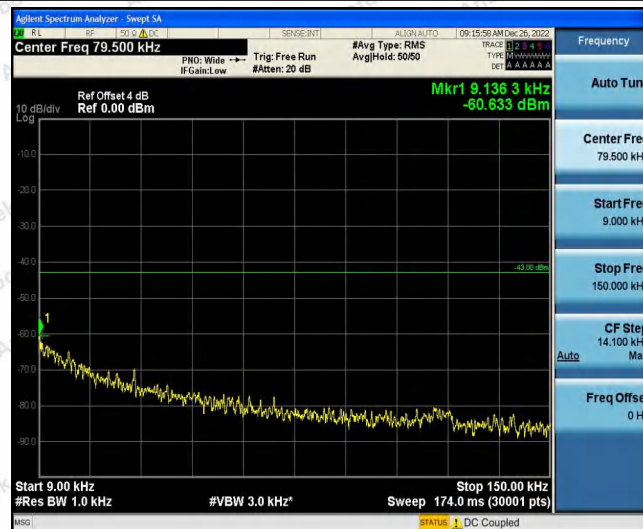
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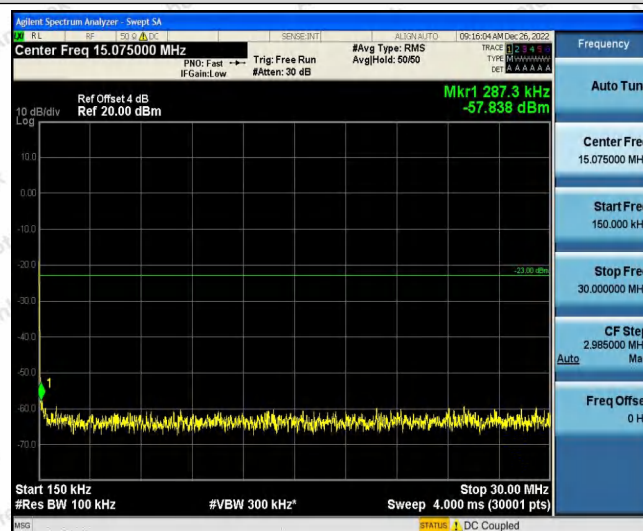
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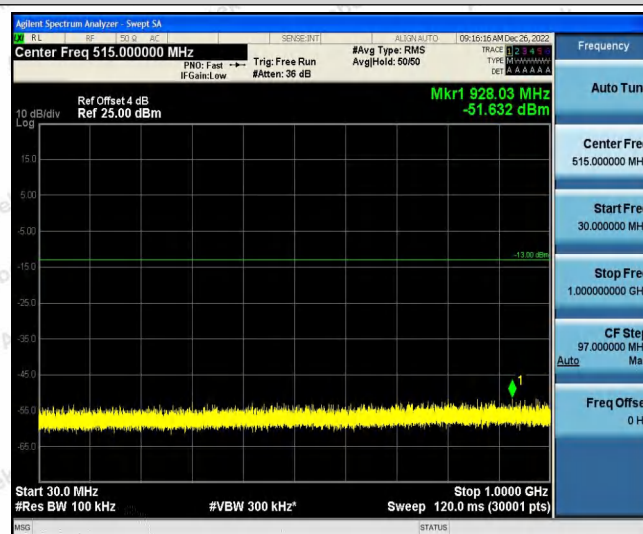




Band2-9400-0.15~30MHz



Band2-9400-30~1000MHz



Band2-9400-1000~3000MHz

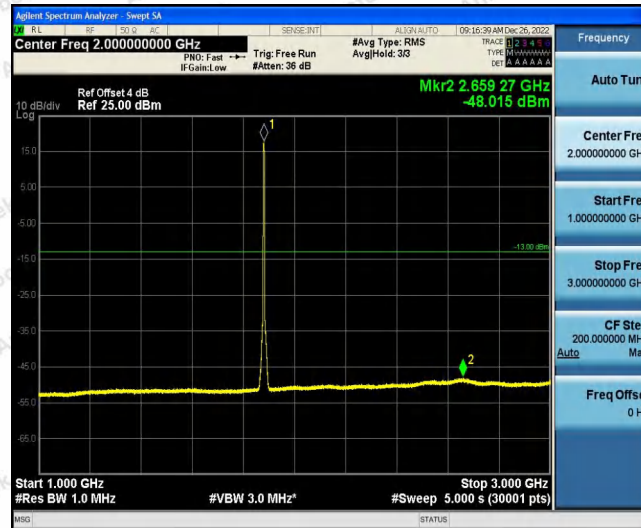
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Band2-9400-3000~10000MHz



Band2-9400-10000~20000MHz



Band2-9538-0.009~0.15MHz

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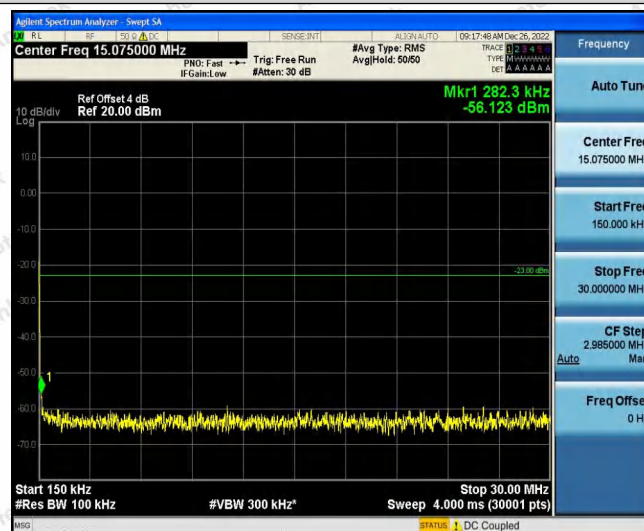


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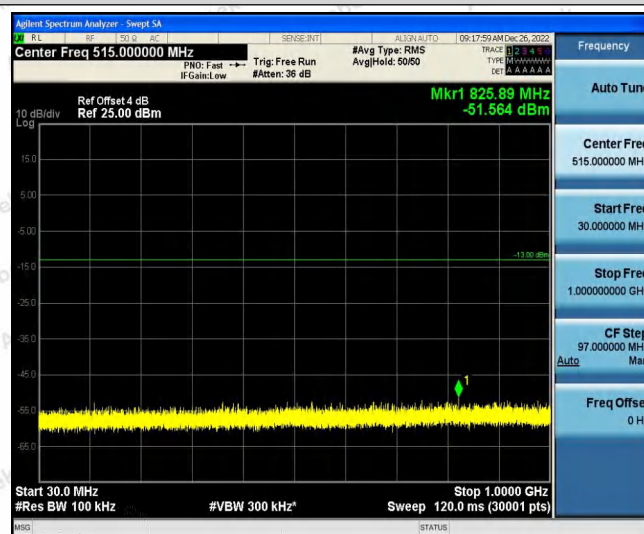




Band2-9538-0.15~30MHz



Band2-9538-30~1000MHz



Band2-9538-1000~3000MHz

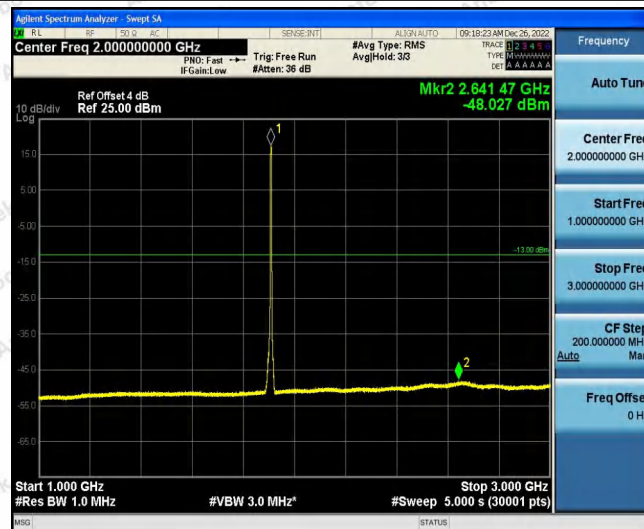
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Band2-9538-3000~10000MHz



Band2-9538-10000~20000MHz



Band5-4132-0.009~0.15MHz

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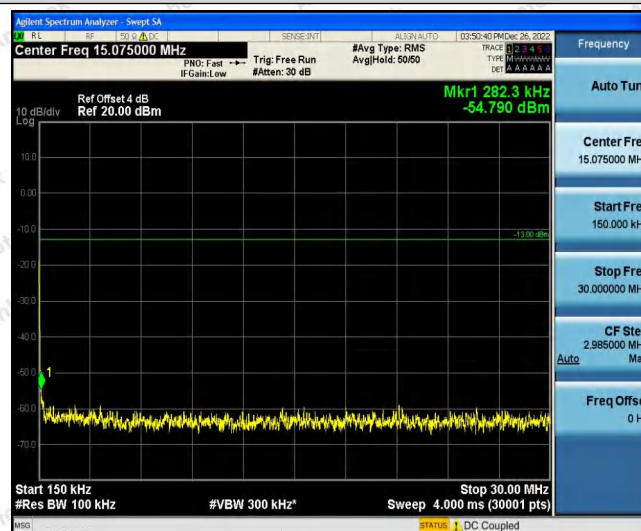


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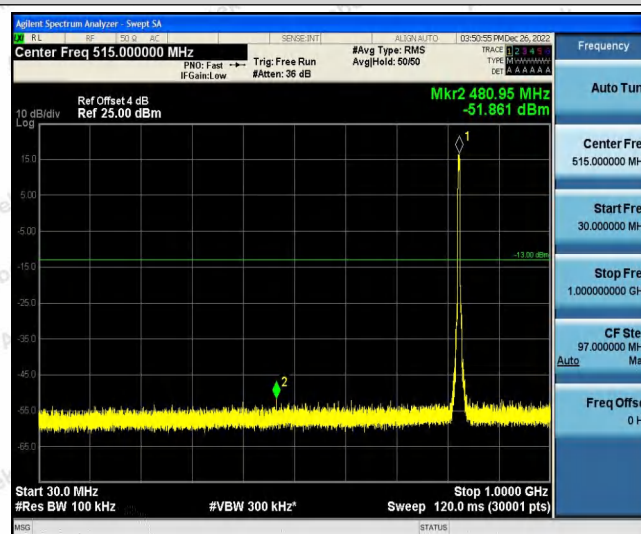




Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz



Band5-4132-1000~3000MHz

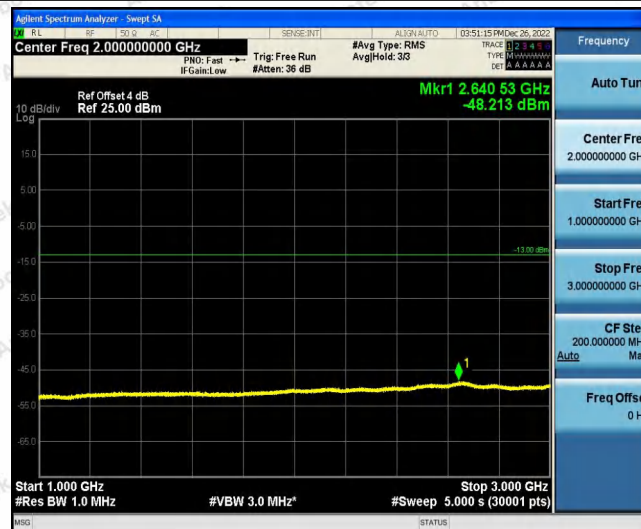
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Band5-4132-3000~10000MHz



Band5-4132-10000~18000MHz



Band5-4182-0.009~0.15MHz

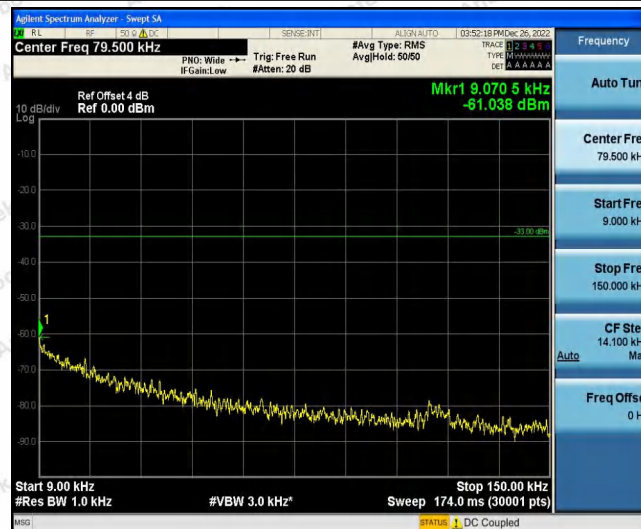
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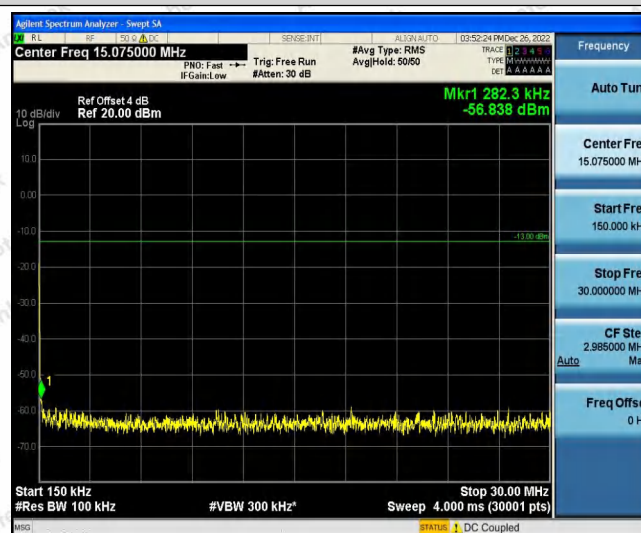


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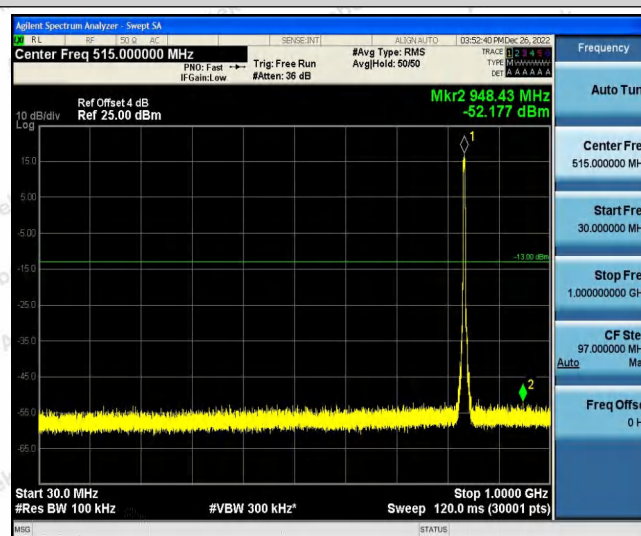




Band5-4182-0.15~30MHz



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

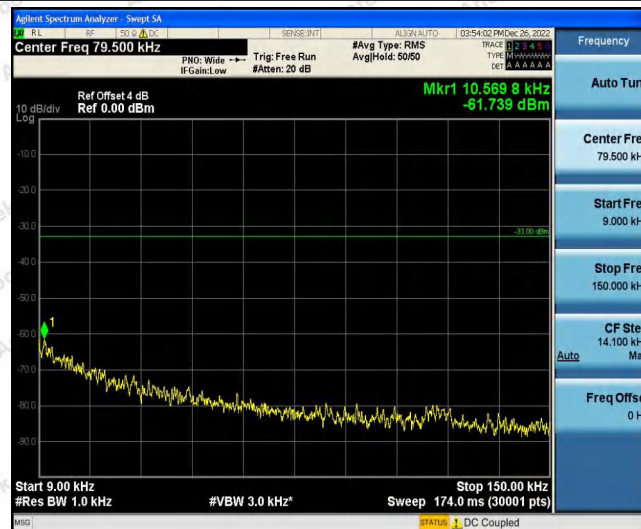
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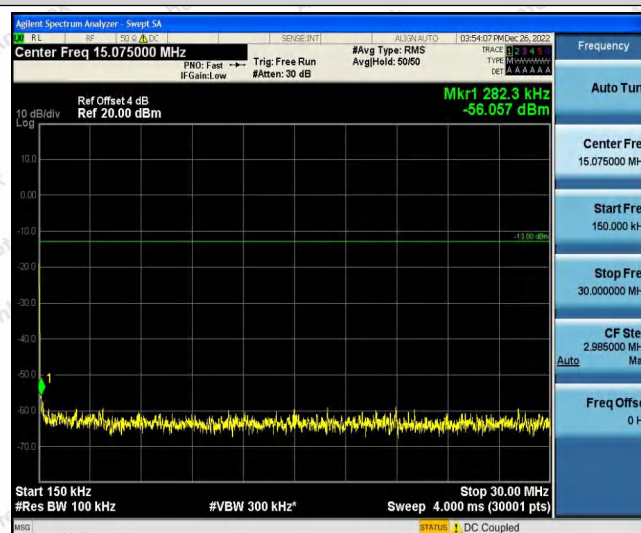


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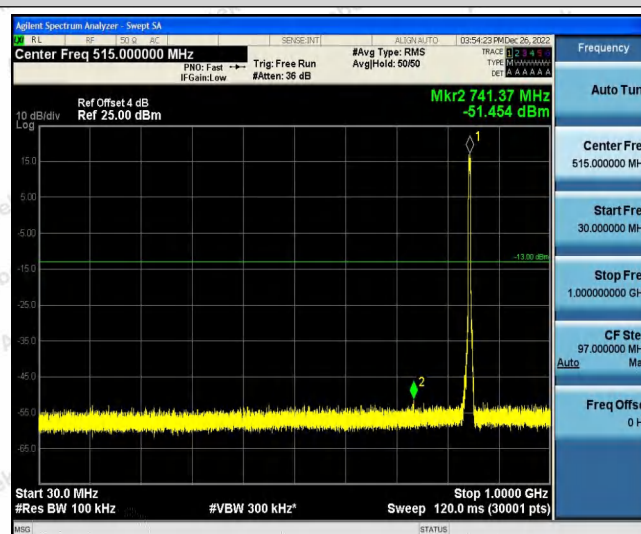




Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz

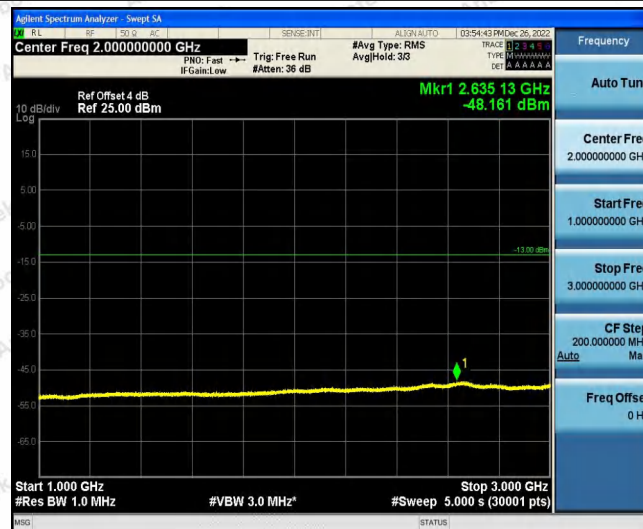
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Appendix F: Frequency Stability VS Voltage measurement

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	0.59	0.000319	±2.5	PASS
Band2	9262	VN	NT	0.70	0.000378	±2.5	PASS
Band2	9262	VH	NT	0.45	0.000243	±2.5	PASS
Band2	9400	VL	NT	-0.35	-0.000186	±2.5	PASS
Band2	9400	VN	NT	-0.46	-0.000245	±2.5	PASS
Band2	9400	VH	NT	0.31	0.000165	±2.5	PASS
Band2	9538	VL	NT	-0.99	-0.000519	±2.5	PASS
Band2	9538	VN	NT	-0.87	-0.000456	±2.5	PASS
Band2	9538	VH	NT	-2.22	-0.001164	±2.5	PASS
Band5	4132	VL	NT	0.65	0.000787	±2.5	PASS
Band5	4132	VN	NT	0.12	0.000145	±2.5	PASS
Band5	4132	VH	NT	0.54	0.000653	±2.5	PASS
Band5	4182	VL	NT	-0.04	-0.000048	±2.5	PASS
Band5	4182	VN	NT	0.02	0.000024	±2.5	PASS
Band5	4182	VH	NT	-0.11	-0.000132	±2.5	PASS
Band5	4233	VL	NT	-0.32	-0.000378	±2.5	PASS
Band5	4233	VN	NT	-0.57	-0.000673	±2.5	PASS
Band5	4233	VH	NT	-0.74	-0.000874	±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
Band2	9262	NV	-30	1.11	0.000599	±2.5	PASS
Band2	9262	NV	-20	-0.04	-0.000022	±2.5	PASS
Band2	9262	NV	0	0.60	0.000324	±2.5	PASS
Band2	9262	NV	10	0.59	0.000319	±2.5	PASS
Band2	9262	NV	20	0.54	0.000292	±2.5	PASS
Band2	9400	NV	-30	-0.76	-0.000404	±2.5	PASS
Band2	9400	NV	-20	-1.27	-0.000676	±2.5	PASS
Band2	9400	NV	0	-0.65	-0.000346	±2.5	PASS
Band2	9400	NV	10	-0.26	-0.000138	±2.5	PASS
Band2	9400	NV	20	-0.51	-0.000271	±2.5	PASS
Band2	9538	NV	-30	-1.01	-0.000529	±2.5	PASS
Band2	9538	NV	-20	-0.85	-0.000446	±2.5	PASS
Band2	9538	NV	0	-1.27	-0.000666	±2.5	PASS
Band2	9538	NV	10	-2.03	-0.001064	±2.5	PASS
Band2	9538	NV	20	-1.45	-0.000760	±2.5	PASS
Band5	4132	NV	-30	0.68	0.000823	±2.5	PASS
Band5	4132	NV	-20	0.74	0.000895	±2.5	PASS
Band5	4132	NV	0	0.43	0.000520	±2.5	PASS
Band5	4132	NV	10	0.97	0.001174	±2.5	PASS
Band5	4132	NV	20	0.88	0.001065	±2.5	PASS
Band5	4182	NV	-30	0.25	0.000299	±2.5	PASS
Band5	4182	NV	-20	-0.54	-0.000646	±2.5	PASS
Band5	4182	NV	0	0.09	0.000108	±2.5	PASS
Band5	4182	NV	10	-0.07	-0.000084	±2.5	PASS
Band5	4182	NV	20	-0.01	-0.000012	±2.5	PASS
Band5	4233	NV	-30	-0.52	-0.000614	±2.5	PASS
Band5	4233	NV	-20	-0.45	-0.000532	±2.5	PASS
Band5	4233	NV	0	-0.82	-0.000969	±2.5	PASS
Band5	4233	NV	10	-0.67	-0.000791	±2.5	PASS
Band5	4233	NV	20	-0.57	-0.000673	±2.5	PASS

---End---

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