



CTC Laboratories, Inc.

Appendix for WCDMA

FCC ID: 2AZPZ-T25

IC: 27212-T25

Applicant: YAHAM OPTOELECTRONICS CO., LTD

**Address: Bldg. A&D, Yongwei Industrial Park, #118
Yongfu Road, Fuhai Str., Bao'an Dist. Shenzhen China**

Product Name: Taxi Roof LED Display

EUT Model: YHT-TAXI-T2.5



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Appendix A: Conducted Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	21.98	33.0	PASS
Band2	9400	22.26	33.0	PASS
Band2	9538	22.37	33.0	PASS
Band5	4132	22.94	38.5	PASS
Band5	4183	23.01	38.5	PASS
Band5	4233	22.96	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.05	33.0	PASS
Band2	9262	2	21.93	33.0	PASS
Band2	9262	3	21.89	33.0	PASS
Band2	9262	4	21.94	33.0	PASS
Band2	9400	1	22.12	33.0	PASS
Band2	9400	2	22.10	33.0	PASS
Band2	9400	3	22.05	33.0	PASS
Band2	9400	4	22.28	33.0	PASS
Band2	9538	1	22.21	33.0	PASS
Band2	9538	2	22.19	33.0	PASS
Band2	9538	3	22.14	33.0	PASS
Band2	9538	4	22.38	33.0	PASS
Band5	4132	1	22.92	38.5	PASS
Band5	4132	2	22.85	38.5	PASS
Band5	4132	3	22.89	38.5	PASS
Band5	4132	4	22.87	38.5	PASS
Band5	4183	1	22.84	38.5	PASS
Band5	4183	2	22.76	38.5	PASS
Band5	4183	3	22.78	38.5	PASS
Band5	4183	4	22.78	38.5	PASS
Band5	4233	1	22.83	38.5	PASS
Band5	4233	2	22.85	38.5	PASS
Band5	4233	3	22.86	38.5	PASS
Band5	4233	4	22.86	38.5	PASS



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Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.86	33.0	PASS
Band2	9262	2	19.74	33.0	PASS
Band2	9262	3	19.55	33.0	PASS
Band2	9262	4	20.26	33.0	PASS
Band2	9262	5	19.89	33.0	PASS
Band2	9400	1	20.68	33.0	PASS
Band2	9400	2	19.55	33.0	PASS
Band2	9400	3	19.81	33.0	PASS
Band2	9400	4	19.97	33.0	PASS
Band2	9400	5	20.45	33.0	PASS
Band2	9538	1	20.75	33.0	PASS
Band2	9538	2	19.74	33.0	PASS
Band2	9538	3	19.62	33.0	PASS
Band2	9538	4	20.18	33.0	PASS
Band2	9538	5	20.35	33.0	PASS
Band5	4132	1	21.09	38.5	PASS
Band5	4132	2	19.92	38.5	PASS
Band5	4132	3	20.27	38.5	PASS
Band5	4132	4	20.38	38.5	PASS
Band5	4132	5	21.45	38.5	PASS
Band5	4183	1	21.13	38.5	PASS
Band5	4183	2	20.37	38.5	PASS
Band5	4183	3	20.60	38.5	PASS
Band5	4183	4	20.85	38.5	PASS
Band5	4183	5	21.51	38.5	PASS
Band5	4233	1	19.89	38.5	PASS
Band5	4233	2	19.42	38.5	PASS
Band5	4233	3	18.93	38.5	PASS
Band5	4233	4	19.56	38.5	PASS
Band5	4233	5	20.47	38.5	PASS



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Appendix B: Peak-to-Average Ratio

Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.70	13	PASS
Band2	9400	3.04	13	PASS
Band2	9538	3.13	13	PASS
Band5	4132	3.16	13	PASS
Band5	4183	3.25	13	PASS
Band5	4233	3.13	13	PASS

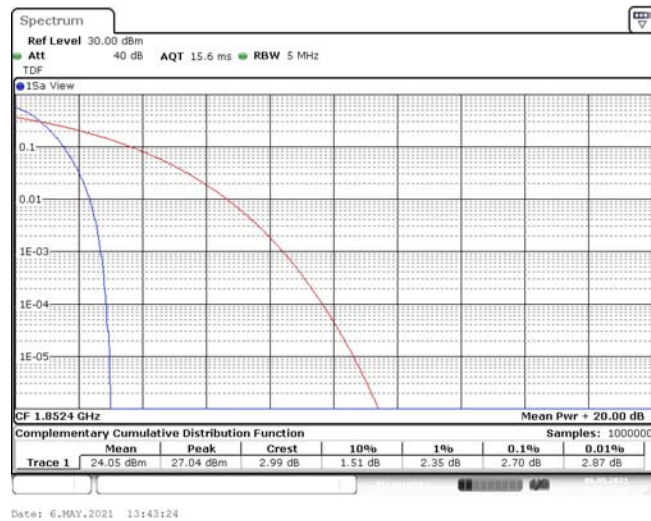
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	2.67	13	PASS
Band2	9400	1	3.04	13	PASS
Band2	9538	1	3.13	13	PASS
Band5	4132	1	3.16	13	PASS
Band5	4183	1	3.25	13	PASS
Band5	4233	1	3.13	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	5.10	13	PASS
Band2	9400	1	5.22	13	PASS
Band2	9538	1	5.30	13	PASS
Band5	4132	1	4.17	13	PASS
Band5	4183	1	4.35	13	PASS
Band5	4233	1	4.29	13	PASS

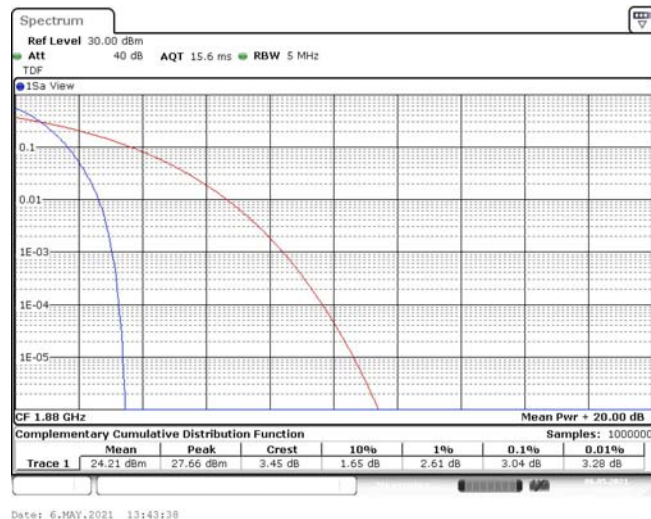


Test Graphs

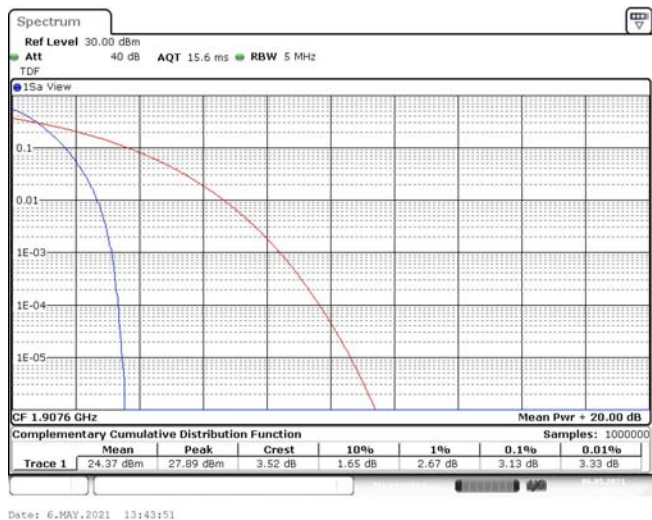
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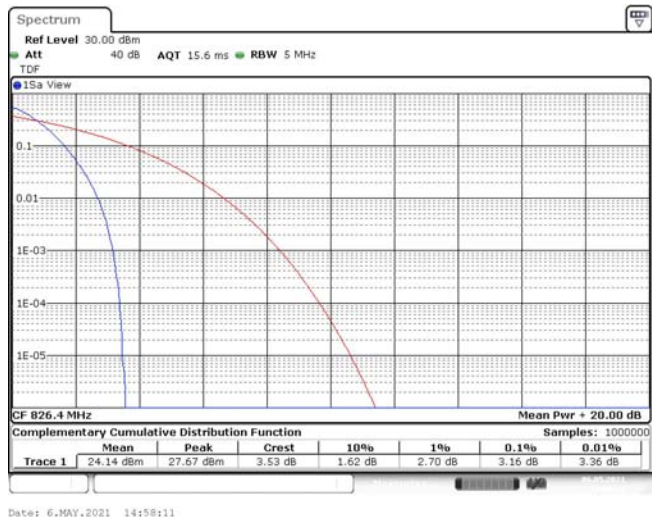
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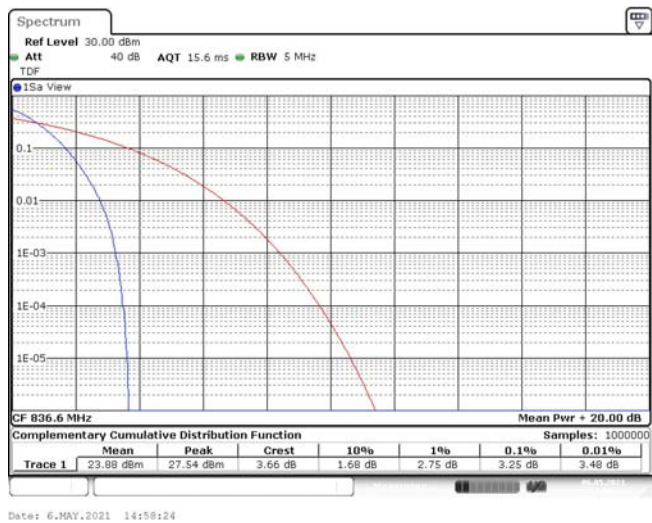
Band2-9538



Band5-4132



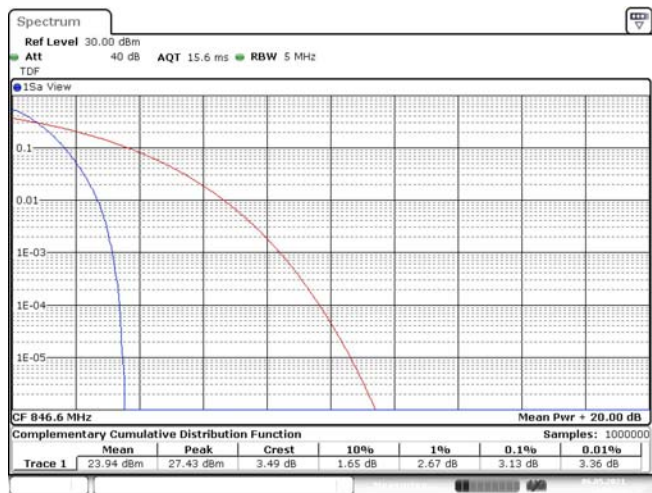
Band5-4183



Band5-4233



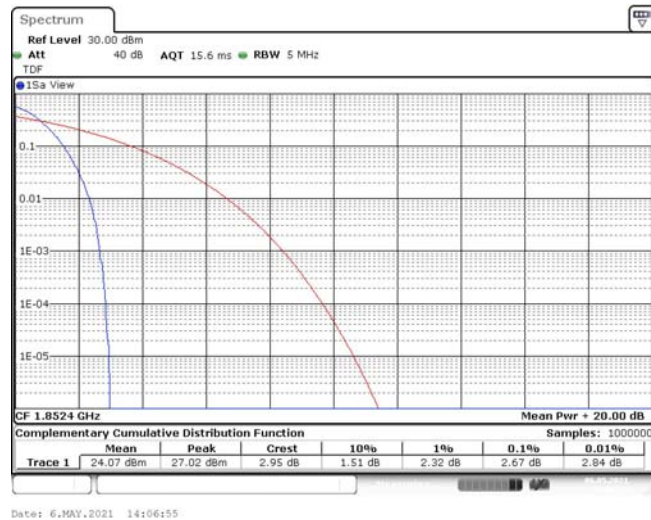
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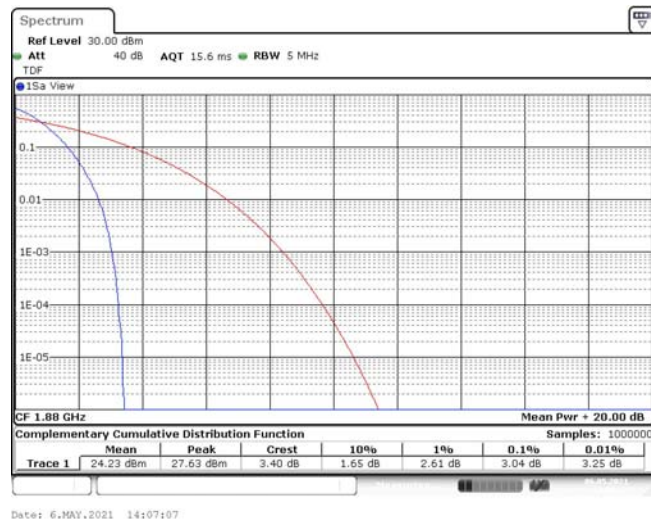
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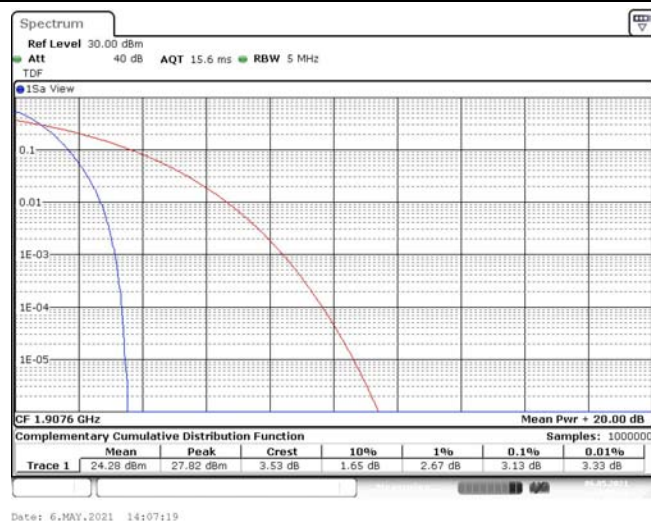
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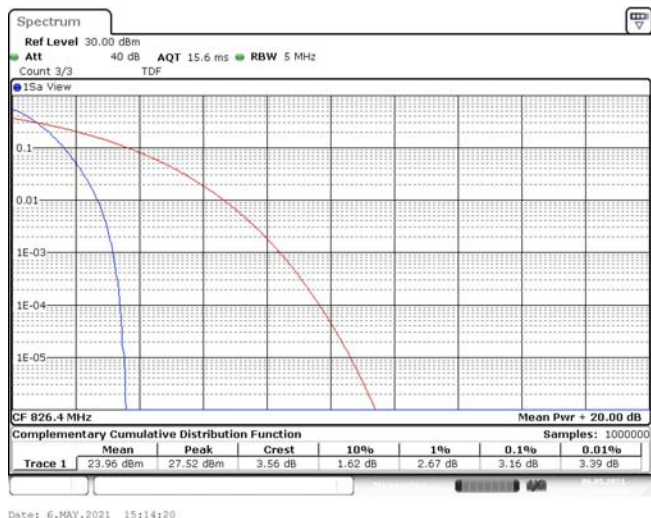
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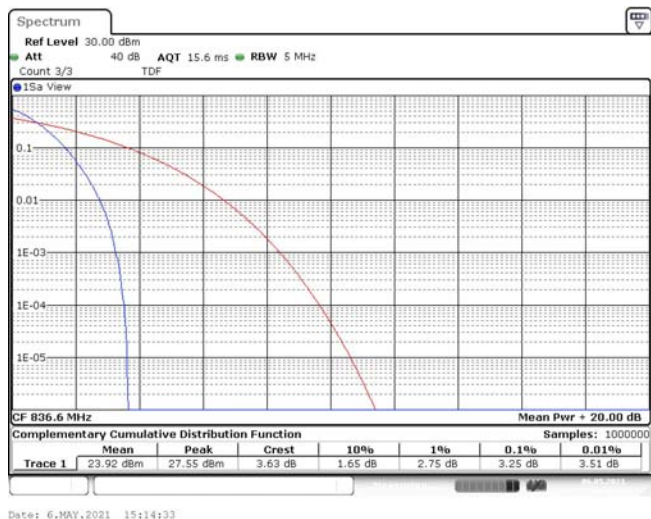
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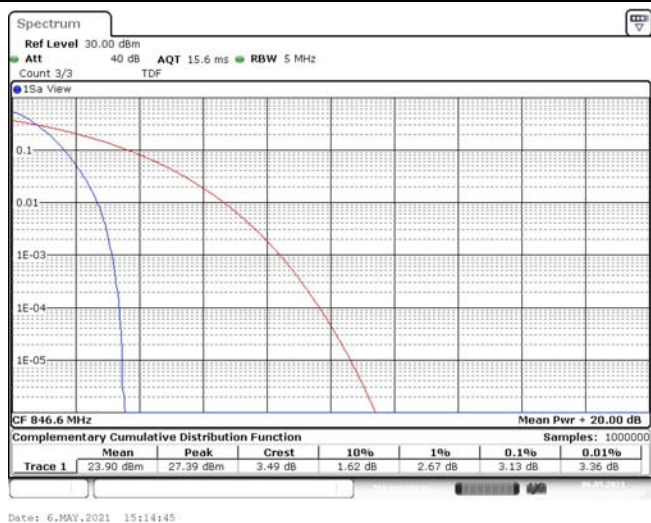
Band5-4132-1



Band5-4183-1

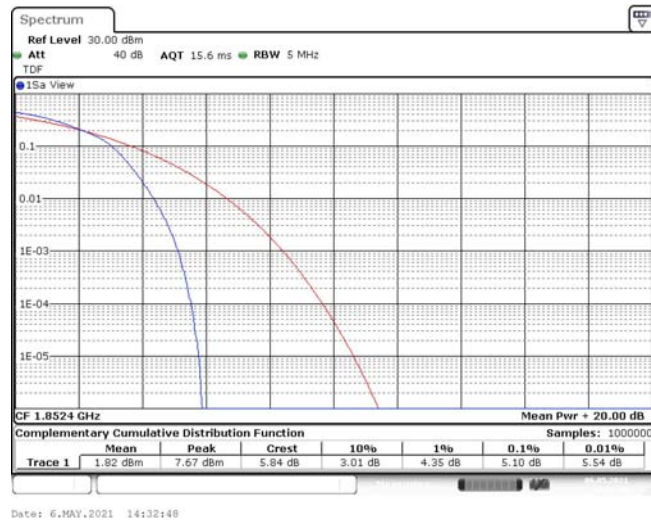


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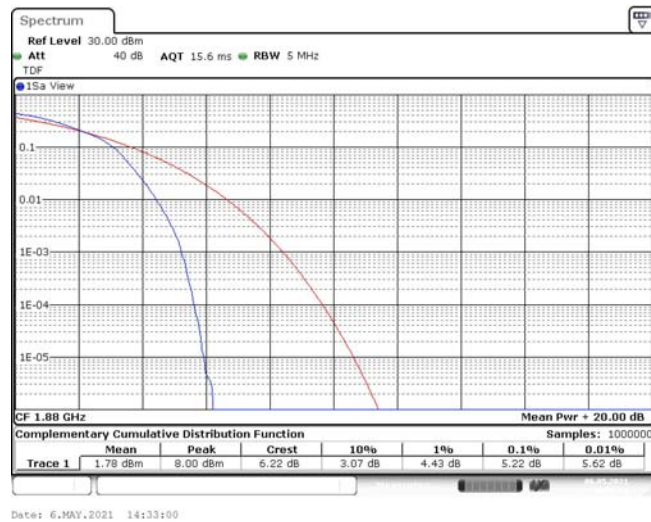




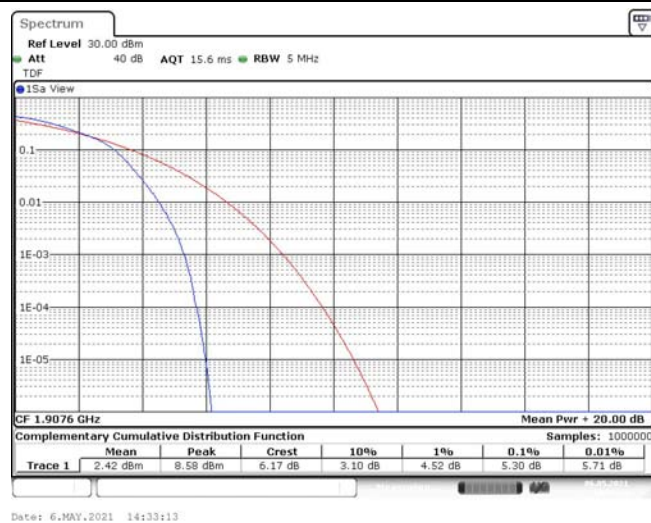
Band2-9262-1



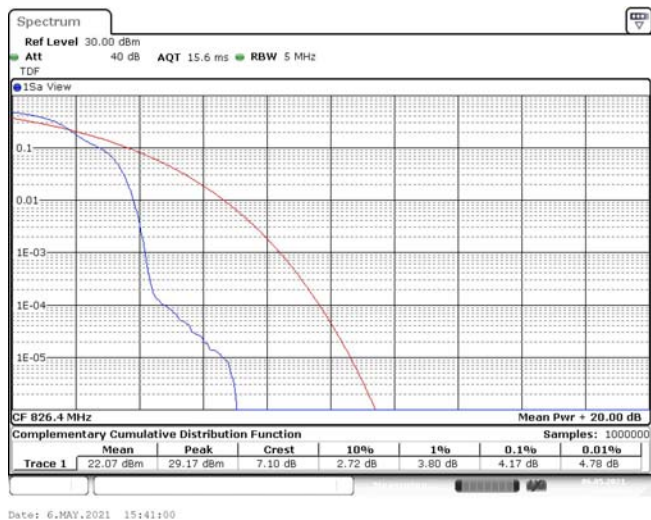
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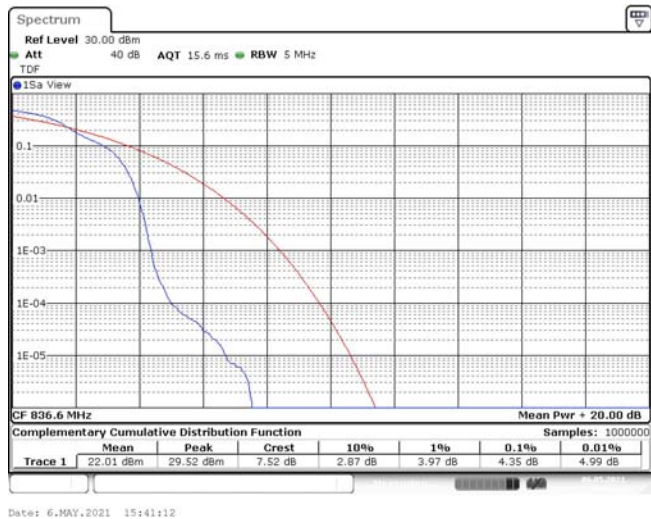
Band2-9538-1



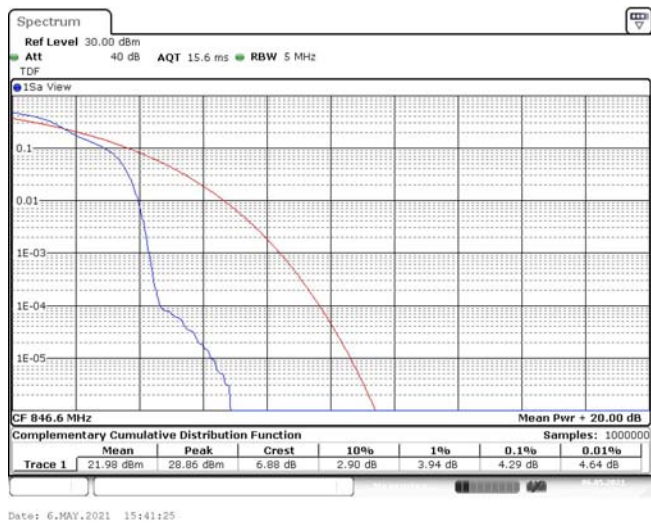
Band5-4132-1



Band5-4183-1



Band5-4233-1





Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.166	4.780	---	PASS
Band2	9400	4.156	4.750	---	PASS
Band2	9538	4.146	4.740	---	PASS
Band5	4132	4.146	4.740	---	PASS
Band5	4183	4.146	4.740	---	PASS
Band5	4233	4.146	4.750	---	PASS

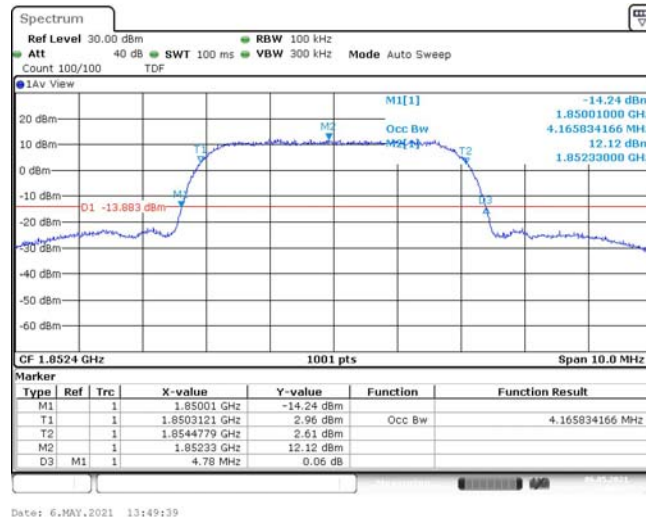
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.166	4.780	---	PASS
Band2	9400	1	4.146	4.750	---	PASS
Band2	9538	1	4.136	4.730	---	PASS
Band5	4132	1	4.146	4.740	---	PASS
Band5	4183	1	4.146	4.730	---	PASS
Band5	4233	1	4.156	4.760	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	1	4.146	4.760	---	PASS
Band2	9400	1	4.146	4.740	---	PASS
Band2	9538	1	4.136	4.730	---	PASS
Band5	4132	1	4.146	4.760	---	PASS
Band5	4183	1	4.166	4.750	---	PASS
Band5	4233	1	4.156	4.750	---	PASS

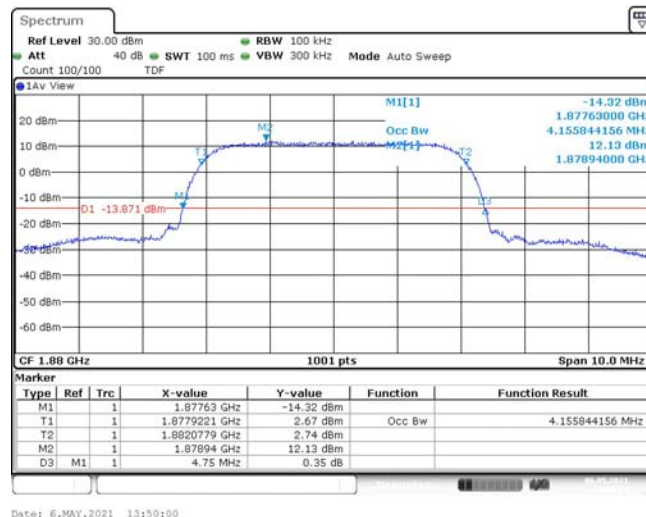


Test Graphs

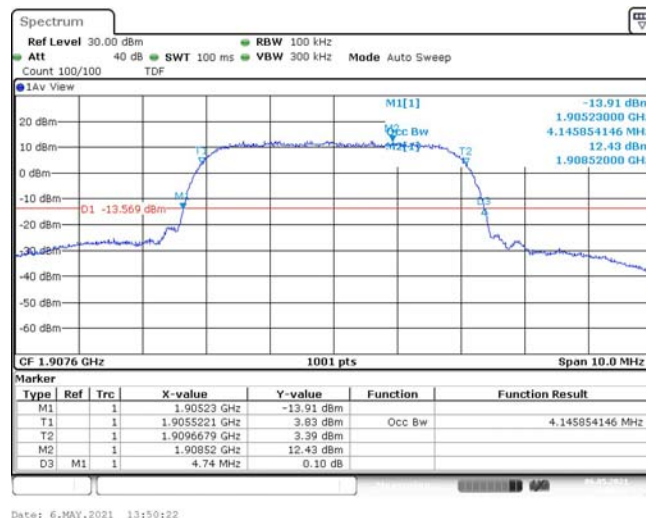
Band2-9262



Band2-9400

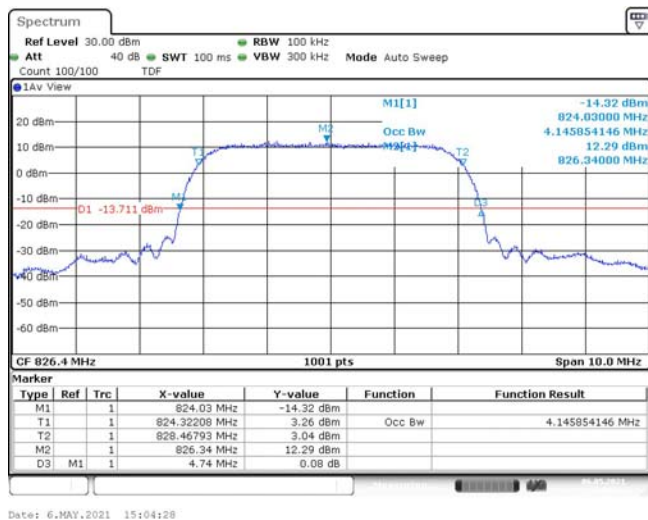


Band2-9538

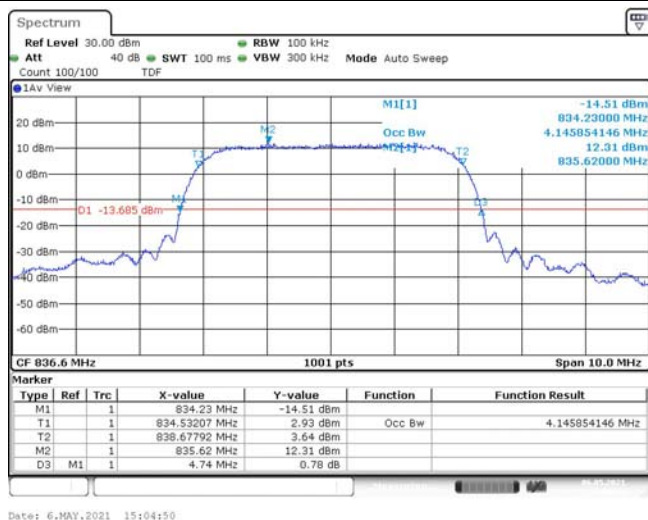




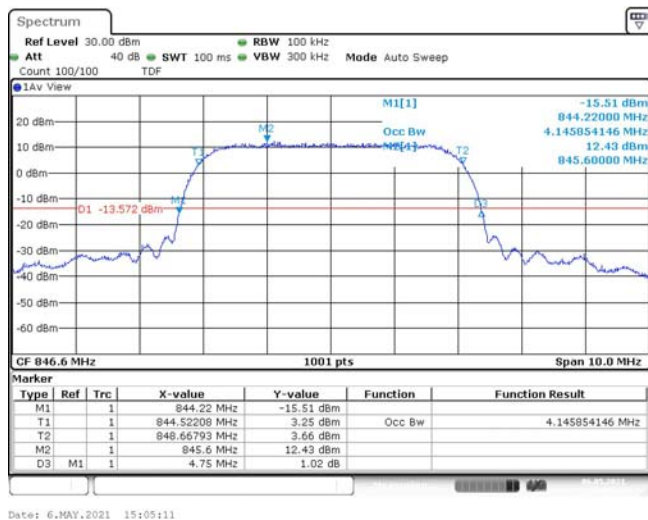
Band5-4132



Band5-4183

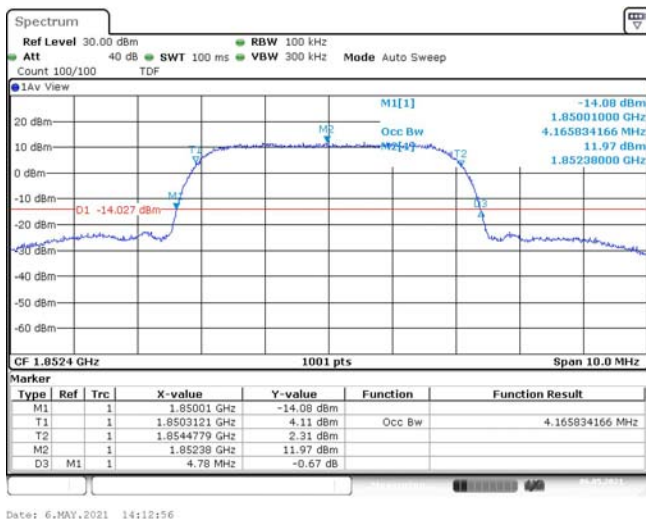


Band5-4233

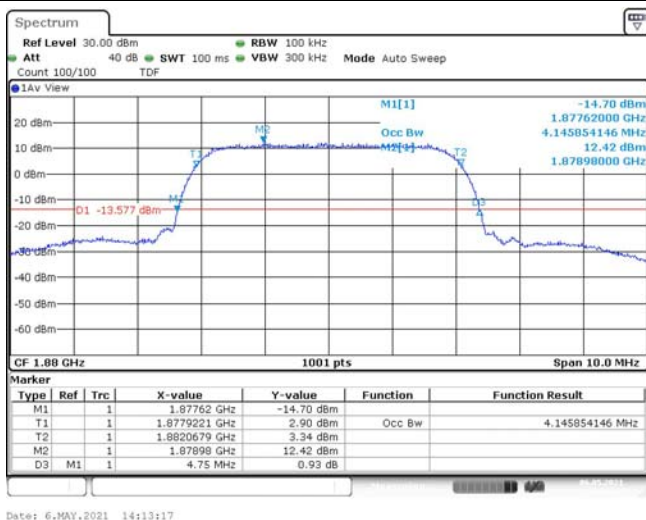




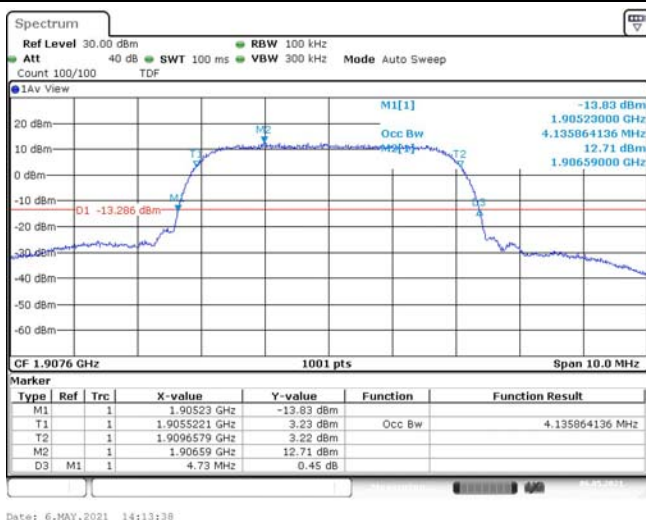
Band2-9262-1



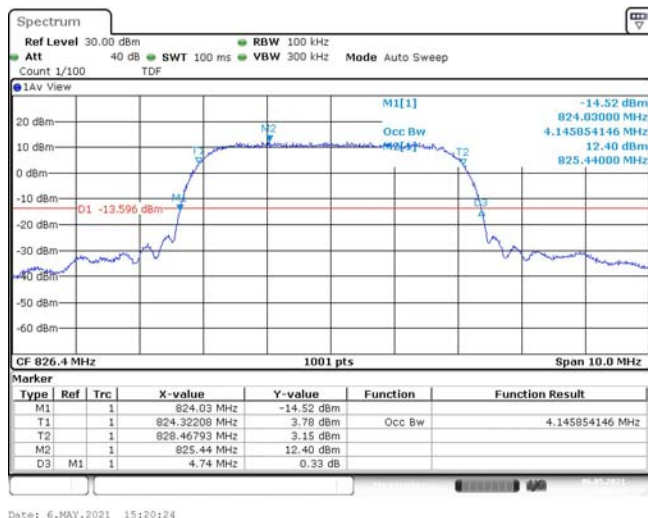
Band2-9400-1



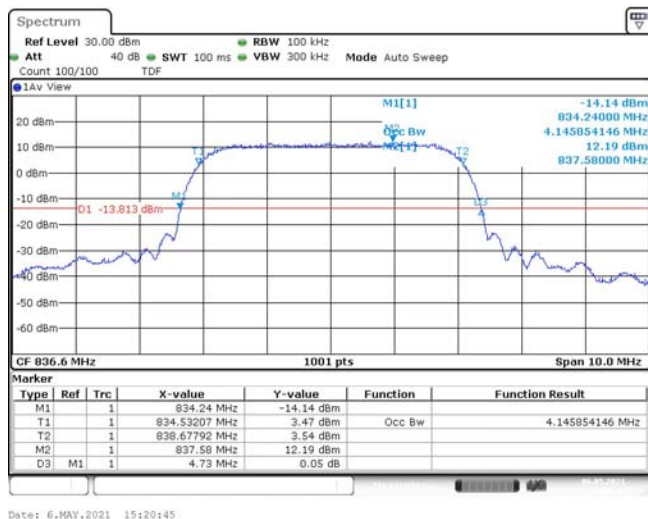
Band2-9538-1



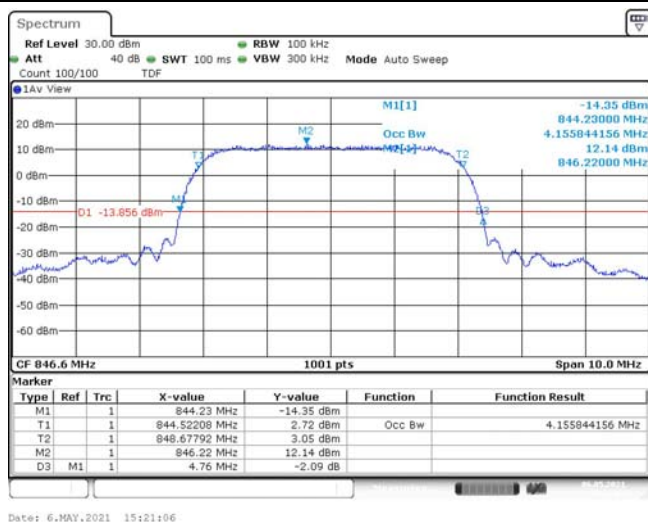
Band5-4132-1



Band5-4183-1

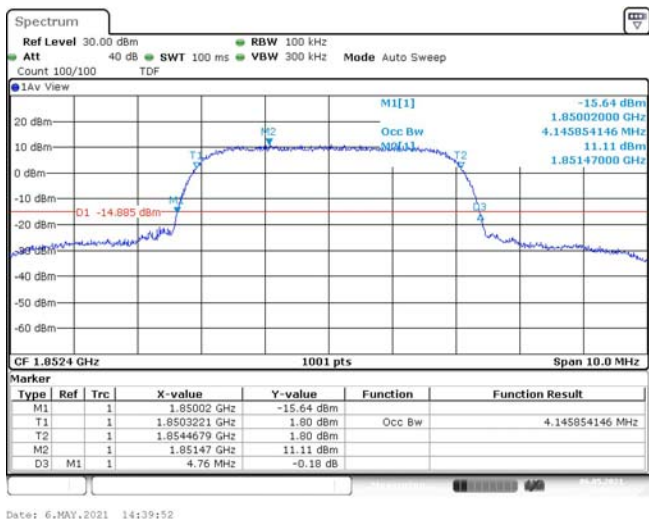


Band5-4233-1

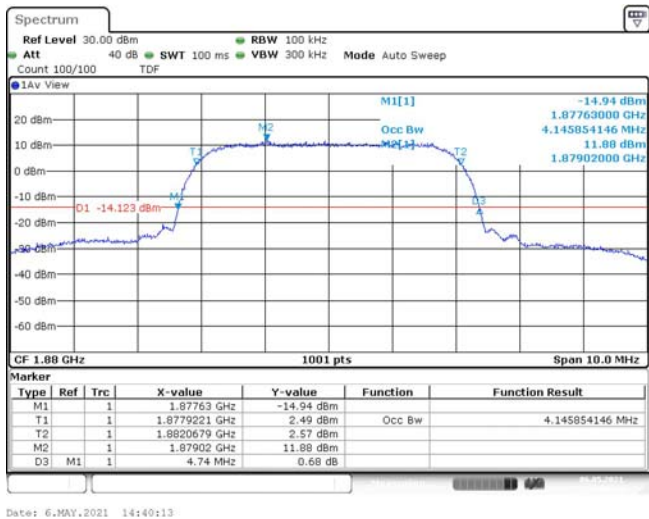




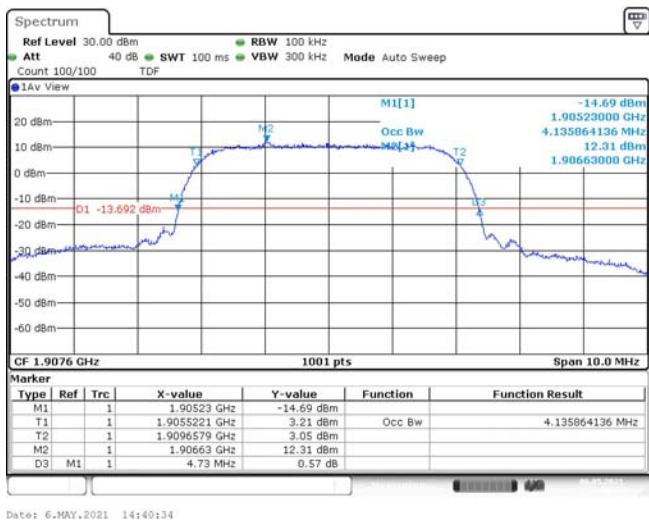
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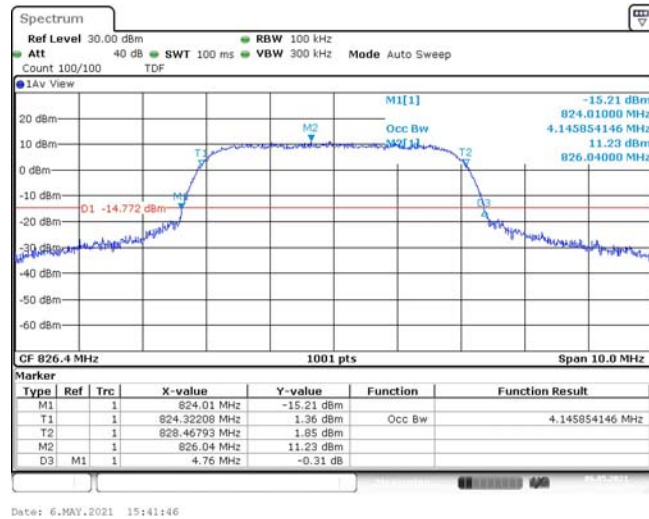
Band2-9400-1



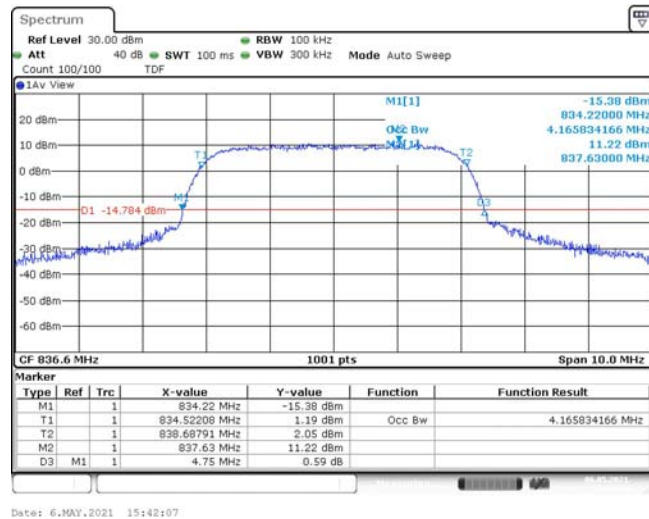
Band2-9538-1



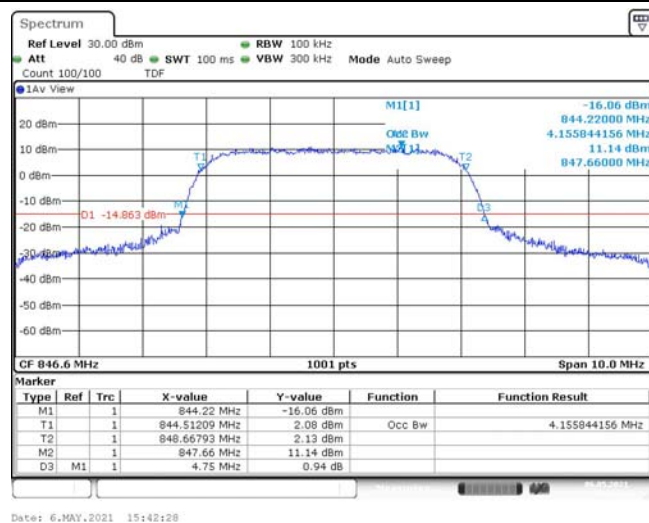
Band5-4132-1



Band5-4183-1



Band5-4233-1





Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-17.93	-13	PASS
Band2	9538	1910.00	-20.30	-13	PASS
Band5	4132	824.00	-20.33	-13	PASS
Band5	4233	849.00	-20.94	-13	PASS

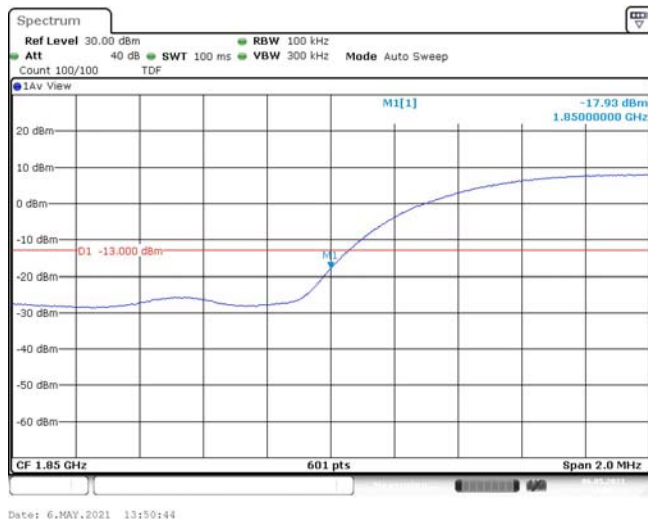
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-17.89	-13	PASS
Band2	9538	1	1910.00	-20.14	-13	PASS
Band5	4132	1	824.00	-20.27	-13	PASS
Band5	4233	1	849.00	-20.86	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-19.69	-13	PASS
Band2	9538	1	1910.00	-21.30	-13	PASS
Band5	4132	1	824.00	-21.50	-13	PASS
Band5	4233	1	849.00	-21.83	-13	PASS

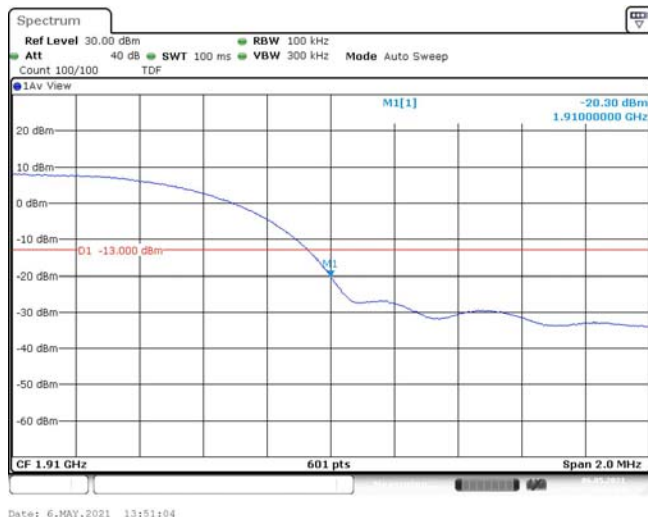


Test Graphs

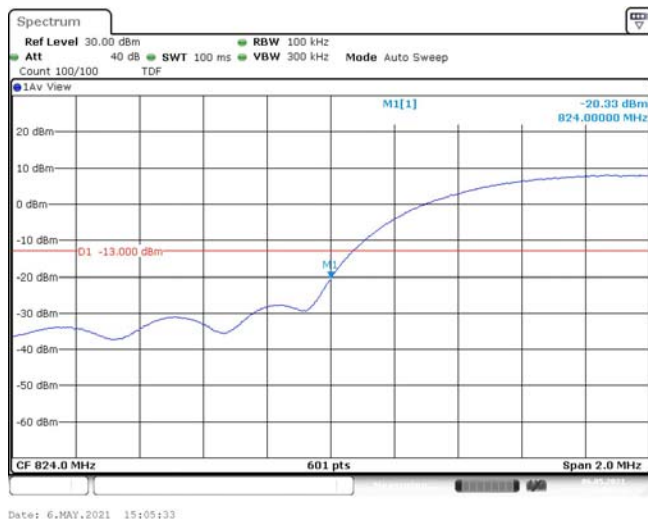
Band2-9262



Band2-9538



Band5-4132





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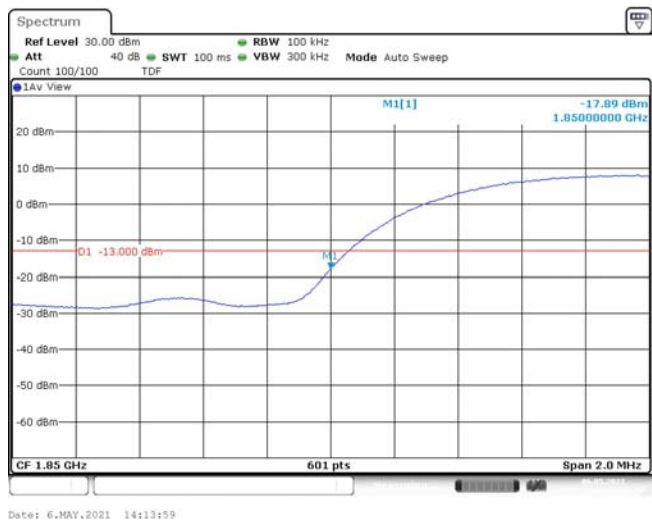
Band5-4233



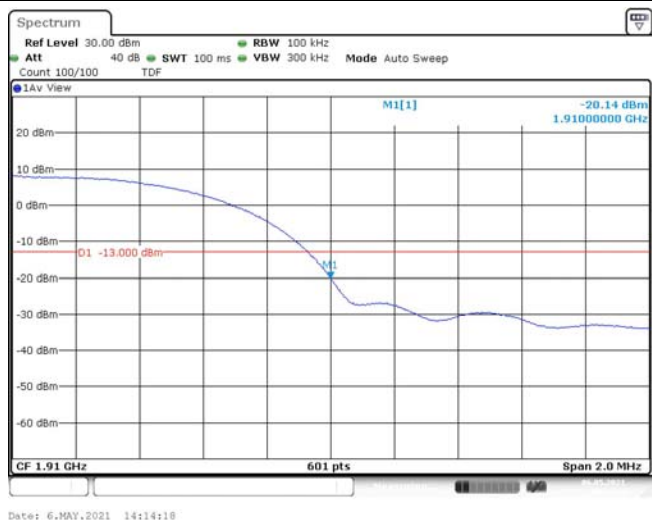
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Band2-9262-1



Band2-9538-1



Band5-4132-1



Band5-4233-1

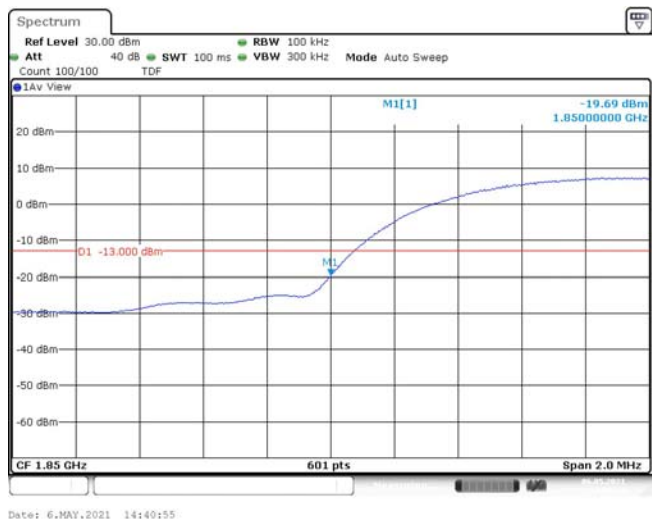


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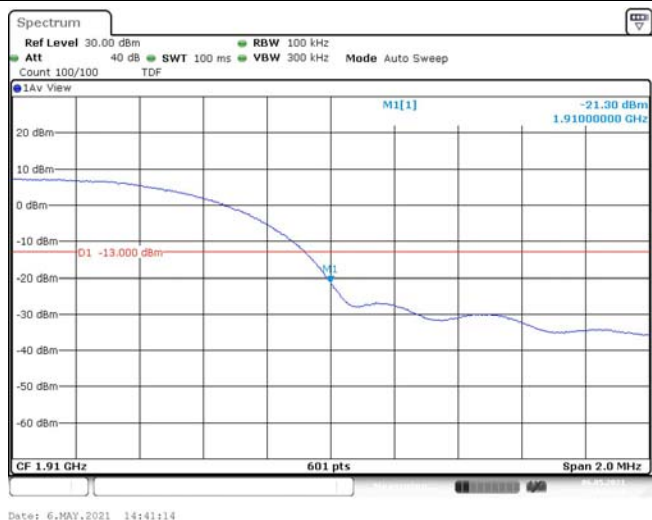




Band2-9262-1



Band2-9538-1



Band5-4132-1



Band5-4233-1





Appendix E: Conducted Spurious Emission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.15~30MHz	0.50	-56.40	-23	PASS
Band2	9262	30~1000MHz	917.38	-41.53	-13	PASS
Band2	9262	1000~3000MHz	2438.60	-38.71	-13	PASS
Band2	9262	3000~10000MHz	3703.13	-29.31	-13	PASS
Band2	9262	10000~20000MHz	19449.19	-38.22	-13	PASS
Band2	9262	0.009~0.15MHz	0.03	-65.94	-43	PASS
Band2	9400	30~1000MHz	905.32	-40.41	-13	PASS
Band2	9400	10000~20000MHz	19461.52	-38.12	-13	PASS
Band2	9400	1000~3000MHz	2437.93	-39.07	-13	PASS
Band2	9400	0.15~30MHz	1.30	-55.94	-23	PASS
Band2	9400	0.009~0.15MHz	0.04	-64.47	-43	PASS
Band2	9400	3000~10000MHz	3761.69	-29.38	-13	PASS
Band2	9538	10000~20000MHz	19441.85	-38.15	-13	PASS
Band2	9538	3000~10000MHz	3813.72	-28.91	-13	PASS
Band2	9538	0.009~0.15MHz	0.04	-63.54	-43	PASS
Band2	9538	0.15~30MHz	1.09	-55.45	-23	PASS
Band2	9538	30~1000MHz	911.23	-40.95	-13	PASS
Band2	9538	1000~3000MHz	2971.33	-45.73	-13	PASS
Band5	4132	0.15~30MHz	7.17	-56.35	-13	PASS
Band5	4132	30~1000MHz	989.27	-41.66	-13	PASS
Band5	4132	1000~3000MHz	2440.72	-39.45	-13	PASS
Band5	4132	3000~10000MHz	7821.79	-47.95	-13	PASS
Band5	4132	10000~18000MHz	11842.47	-41.94	-13	PASS
Band5	4132	0.009~0.15MHz	0.04	-63.95	-33	PASS
Band5	4183	30~1000MHz	994.96	-41.11	-13	PASS
Band5	4183	10000~18000MHz	11859.54	-42.03	-13	PASS
Band5	4183	1000~3000MHz	2443.52	-43.72	-13	PASS
Band5	4183	0.15~30MHz	1.05	-57.65	-13	PASS
Band5	4183	0.009~0.15MHz	0.03	-64.57	-33	PASS
Band5	4183	3000~10000MHz	7820.86	-47.98	-13	PASS
Band5	4233	10000~18000MHz	11835.27	-42.14	-13	PASS
Band5	4233	0.009~0.15MHz	0.04	-63.40	-33	PASS
Band5	4233	0.15~30MHz	0.96	-56.91	-13	PASS
Band5	4233	30~1000MHz	671.53	-42.01	-13	PASS
Band5	4233	1000~3000MHz	2433.25	-39.63	-13	PASS
Band5	4233	3000~10000MHz	7829.26	-47.98	-13	PASS



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Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	1.13	-56.37	-23	PASS
Band2	9262	1	30~1000MHz	781.06	-41.67	-13	PASS
Band2	9262	1	1000~3000MHz	2977.60	-45.84	-13	PASS
Band2	9262	1	3000~10000MHz	3703.13	-30.10	-13	PASS
Band2	9262	1	10000~20000MHz	19449.85	-38.11	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.04	-64.57	-43	PASS
Band2	9400	1	30~1000MHz	835.67	-41.75	-13	PASS
Band2	9400	1	10000~20000MHz	19454.52	-38.00	-13	PASS
Band2	9400	1	1000~3000MHz	2946.53	-45.75	-13	PASS
Band2	9400	1	0.15~30MHz	0.71	-54.17	-23	PASS
Band2	9400	1	0.009~0.15MHz	0.03	-64.49	-43	PASS
Band2	9400	1	3000~10000MHz	3758.42	-29.27	-13	PASS
Band2	9538	1	10000~20000MHz	19461.52	-38.22	-13	PASS
Band2	9538	1	3000~10000MHz	3813.26	-29.01	-13	PASS
Band2	9538	1	0.009~0.15MHz	0.04	-63.34	-43	PASS
Band2	9538	1	0.15~30MHz	0.92	-55.88	-23	PASS
Band2	9538	1	30~1000MHz	973.05	-41.97	-13	PASS
Band2	9538	1	1000~3000MHz	2411.53	-40.37	-13	PASS
Band5	4132	1	0.15~30MHz	0.57	-55.96	-13	PASS
Band5	4132	1	30~1000MHz	954.05	-41.76	-13	PASS
Band5	4132	1	1000~3000MHz	2980.97	-45.11	-13	PASS
Band5	4132	1	3000~10000MHz	7826.92	-47.98	-13	PASS
Band5	4132	1	10000~18000MHz	11848.87	-41.95	-13	PASS
Band5	4132	1	0.009~0.15MHz	0.04	-63.03	-33	PASS
Band5	4183	1	30~1000MHz	977.69	-41.23	-13	PASS
Band5	4183	1	10000~18000MHz	11842.21	-41.81	-13	PASS
Band5	4183	1	1000~3000MHz	2441.39	-40.32	-13	PASS
Band5	4183	1	0.15~30MHz	0.56	-55.55	-13	PASS
Band5	4183	1	0.009~0.15MHz	0.03	-63.23	-33	PASS
Band5	4183	1	3000~10000MHz	7826.46	-47.92	-13	PASS
Band5	4233	1	10000~18000MHz	11843.81	-42.02	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.03	-63.47	-33	PASS
Band5	4233	1	0.15~30MHz	1.12	-56.65	-13	PASS
Band5	4233	1	30~1000MHz	689.24	-41.59	-13	PASS
Band5	4233	1	1000~3000MHz	2441.72	-40.88	-13	PASS
Band5	4233	1	3000~10000MHz	7820.86	-48.14	-13	PASS



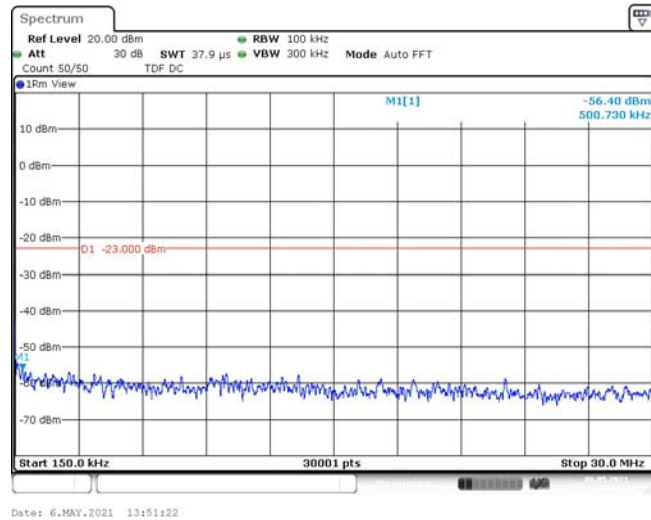
CTC Laboratories, Inc.

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	0.15~30MHz	1.01	-54.62	-23	PASS
Band2	9262	1	30~1000MHz	776.18	-40.92	-13	PASS
Band2	9262	1	1000~3000MHz	2468.87	-45.06	-13	PASS
Band2	9262	1	3000~10000MHz	3703.13	-31.56	-13	PASS
Band2	9262	1	10000~20000MHz	19462.52	-38.17	-13	PASS
Band2	9262	1	0.009~0.15MHz	0.04	-65.04	-43	PASS
Band2	9400	1	30~1000MHz	890.99	-41.28	-13	PASS
Band2	9400	1	10000~20000MHz	19445.85	-37.90	-13	PASS
Band2	9400	1	1000~3000MHz	2463.40	-37.35	-13	PASS
Band2	9400	1	0.15~30MHz	0.95	-53.40	-23	PASS
Band2	9400	1	0.009~0.15MHz	0.03	-64.24	-43	PASS
Band2	9400	1	3000~10000MHz	3761.69	-30.89	-13	PASS
Band2	9538	1	10000~20000MHz	19455.18	-38.21	-13	PASS
Band2	9538	1	3000~10000MHz	3813.49	-30.47	-13	PASS
Band2	9538	1	0.009~0.15MHz	0.03	-62.93	-43	PASS
Band2	9538	1	0.15~30MHz	0.95	-53.01	-23	PASS
Band2	9538	1	30~1000MHz	808.74	-42.20	-13	PASS
Band2	9538	1	1000~3000MHz	2456.80	-43.33	-13	PASS
Band5	4132	1	0.15~30MHz	0.50	-56.32	-13	PASS
Band5	4132	1	30~1000MHz	981.96	-41.96	-13	PASS
Band5	4132	1	1000~3000MHz	2996.57	-44.98	-13	PASS
Band5	4132	1	3000~10000MHz	7829.49	-48.12	-13	PASS
Band5	4132	1	10000~18000MHz	11852.87	-41.79	-13	PASS
Band5	4132	1	0.009~0.15MHz	0.03	-63.38	-33	PASS
Band5	4183	1	30~1000MHz	989.98	-41.28	-13	PASS
Band5	4183	1	10000~18000MHz	11847.01	-42.06	-13	PASS
Band5	4183	1	1000~3000MHz	2416.25	-41.04	-13	PASS
Band5	4183	1	0.15~30MHz	0.68	-56.62	-13	PASS
Band5	4183	1	0.009~0.15MHz	0.04	-62.33	-33	PASS
Band5	4183	1	3000~10000MHz	7820.39	-47.85	-13	PASS
Band5	4233	1	10000~18000MHz	11859.27	-41.60	-13	PASS
Band5	4233	1	0.009~0.15MHz	0.03	-64.28	-33	PASS
Band5	4233	1	0.15~30MHz	1.64	-56.49	-13	PASS
Band5	4233	1	30~1000MHz	670.20	-42.02	-13	PASS
Band5	4233	1	1000~3000MHz	2998.97	-45.08	-13	PASS
Band5	4233	1	3000~10000MHz	7835.32	-47.95	-13	PASS

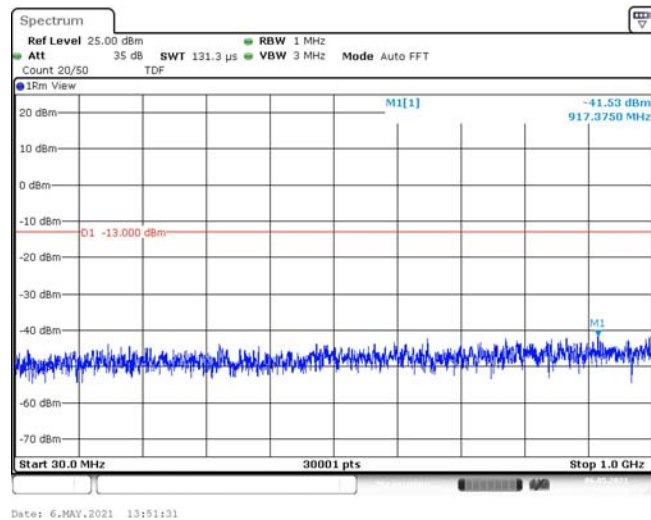


Test Graphs

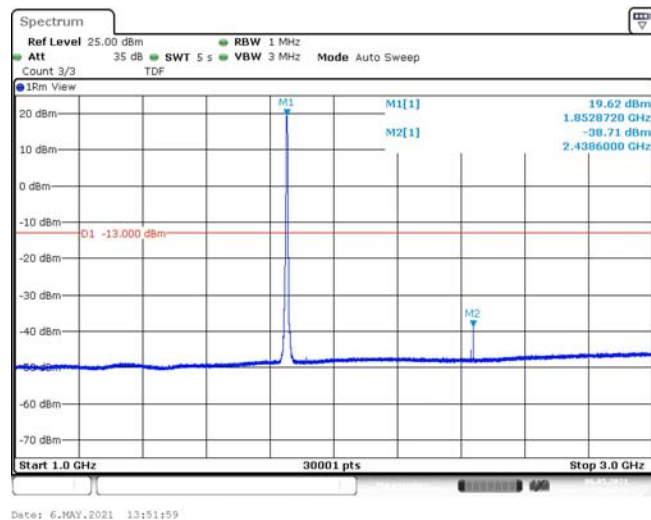
Band2-9262-0.15~30MHz



Band2-9262-30~1000MHz

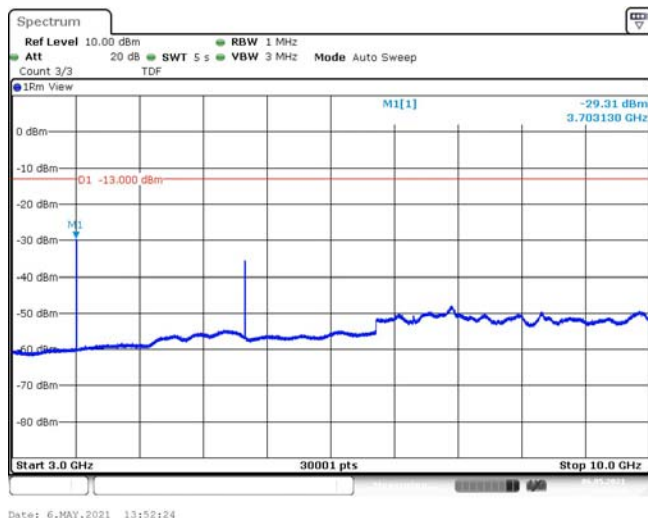


Band2-9262-1000~3000MHz

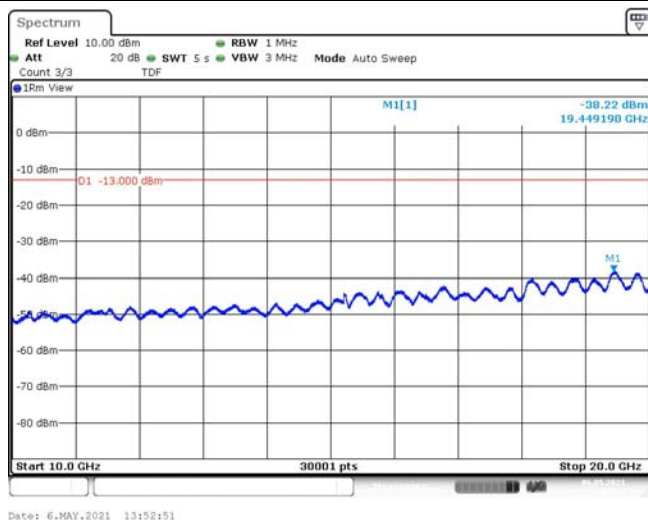




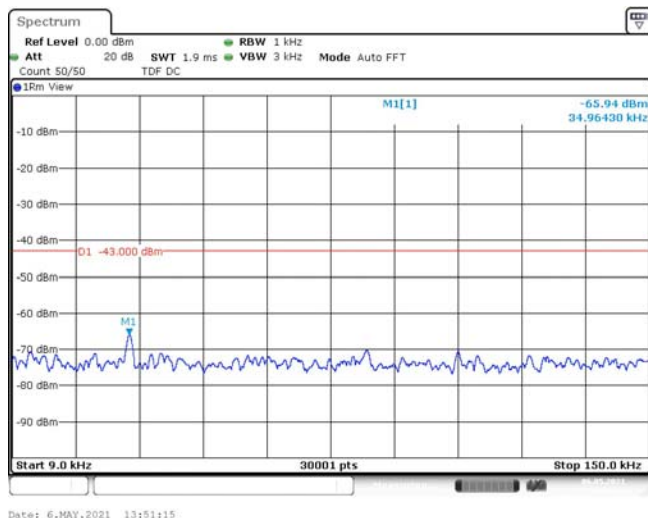
Band2-9262-3000~10000MHz



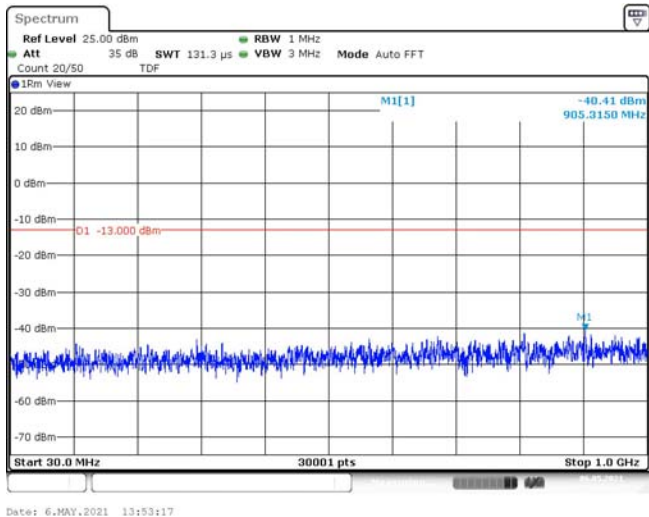
Band2-9262-10000~20000MHz



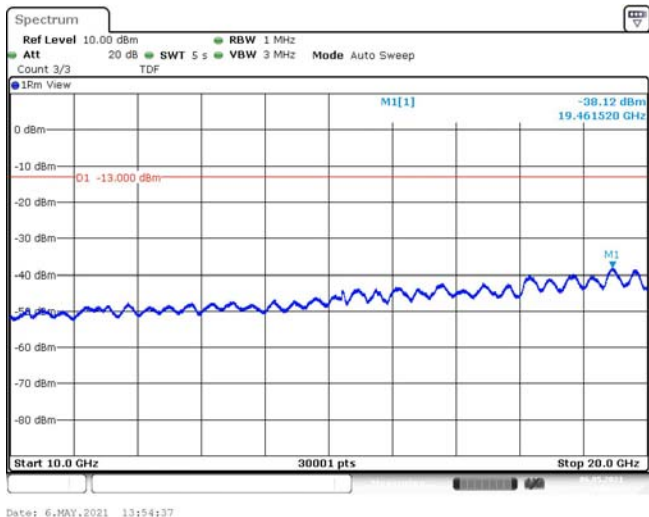
Band2-9262-0.009~0.15MHz



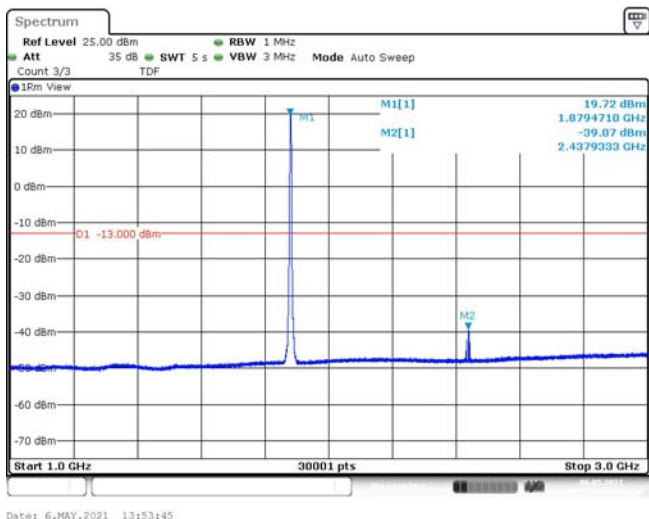
Band2-9400-30~1000MHz



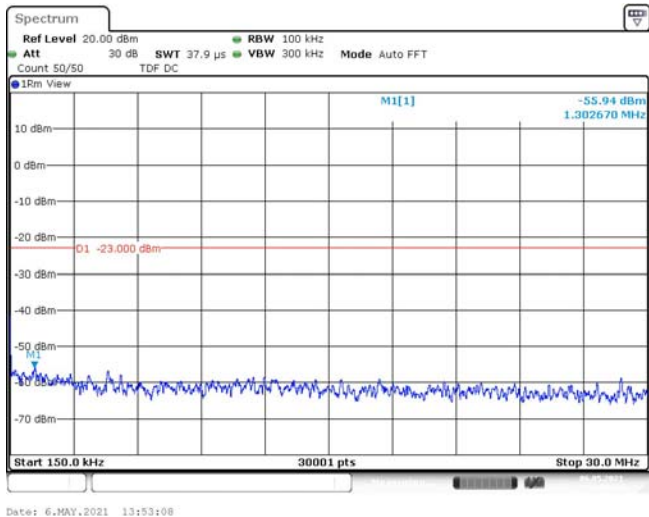
Band2-9400-10000~20000MHz



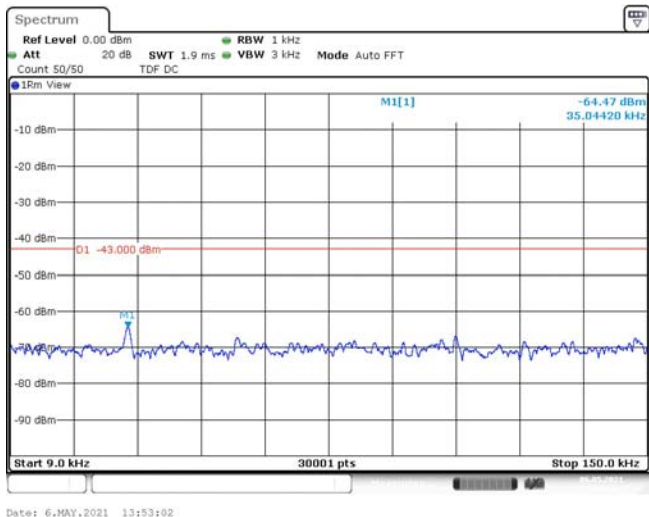
Band2-9400-1000~3000MHz



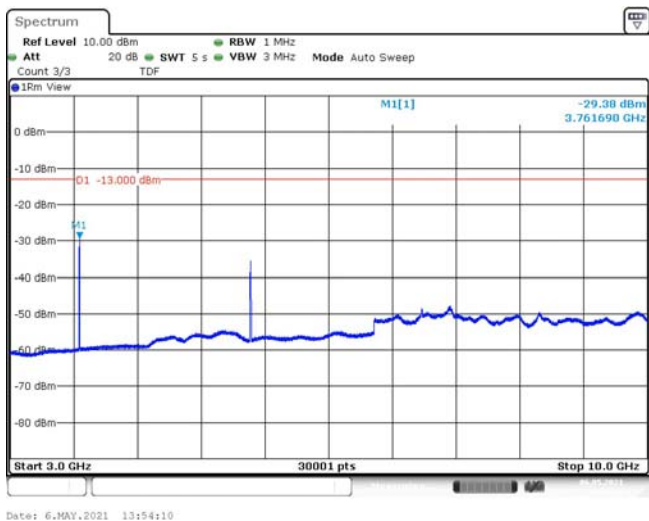
Band2-9400-0.15~30MHz



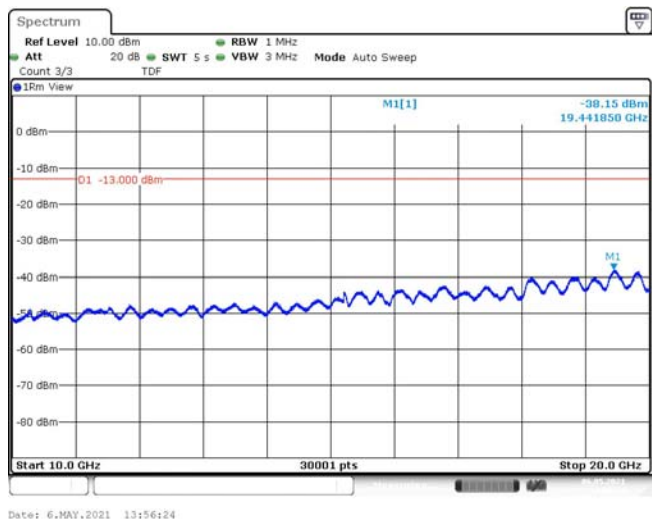
Band2-9400-0.009~0.15MHz



Band2-9400-3000~10000MHz

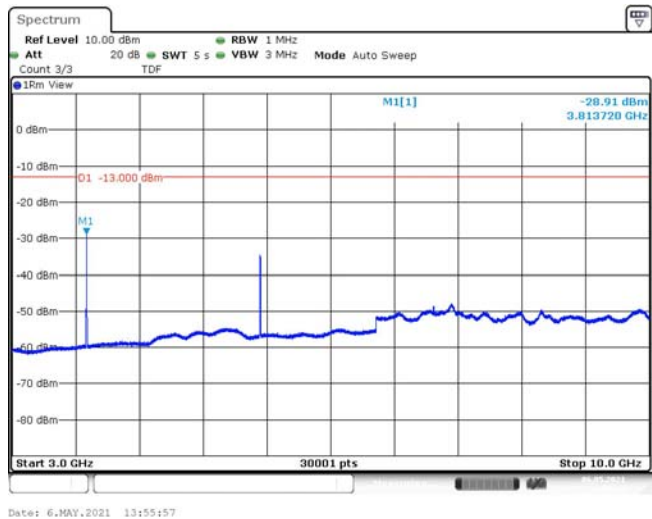


Band2-9538-10000~20000MHz



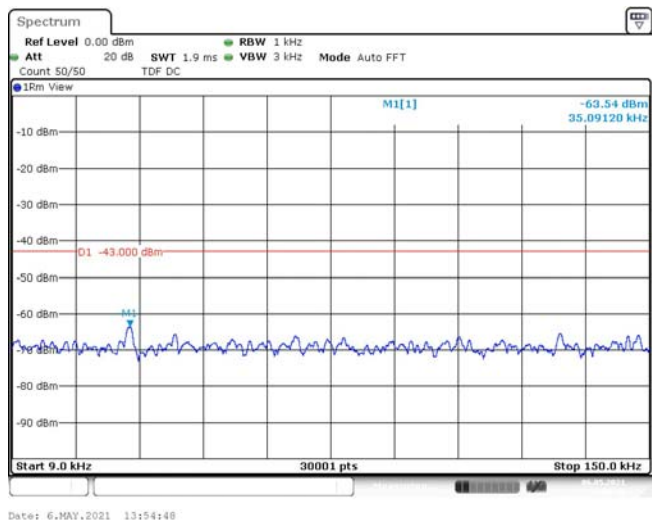
Date: 6.MAY.2021 13:56:24

Band2-9538-3000~10000MHz



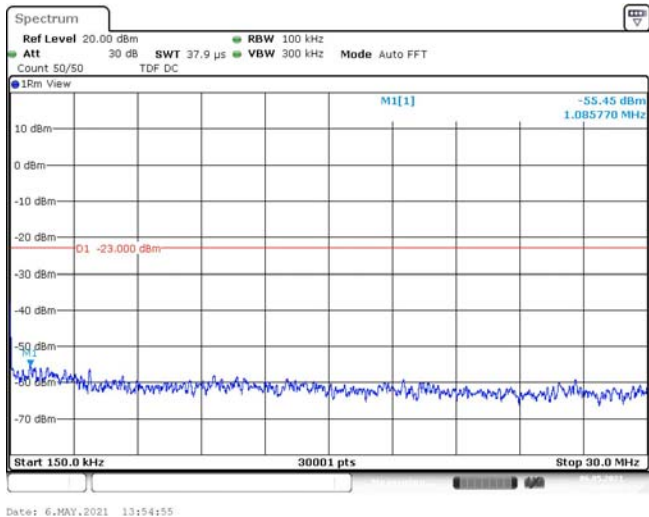
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Band2-9538-0.009~0.15MHz

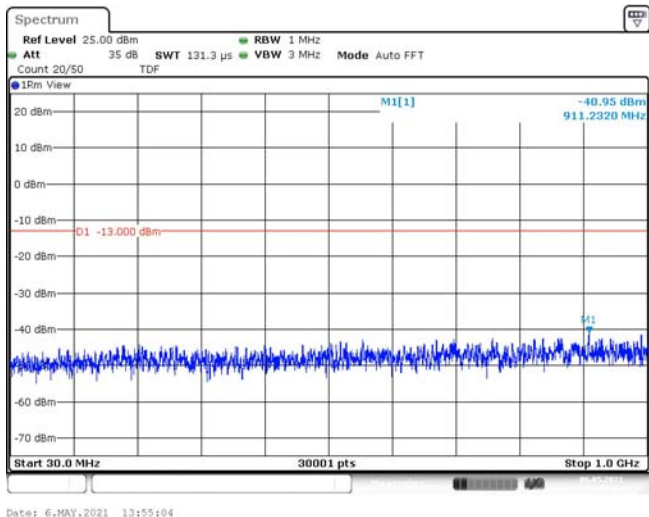


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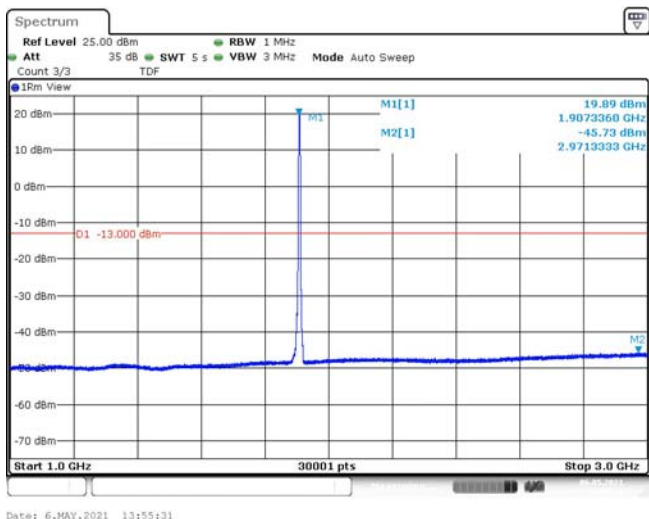
Band2-9538-0.15~30MHz



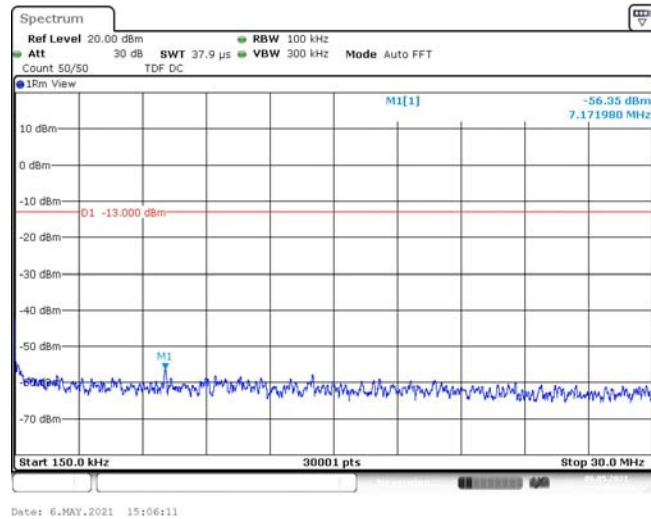
Band2-9538-30~1000MHz



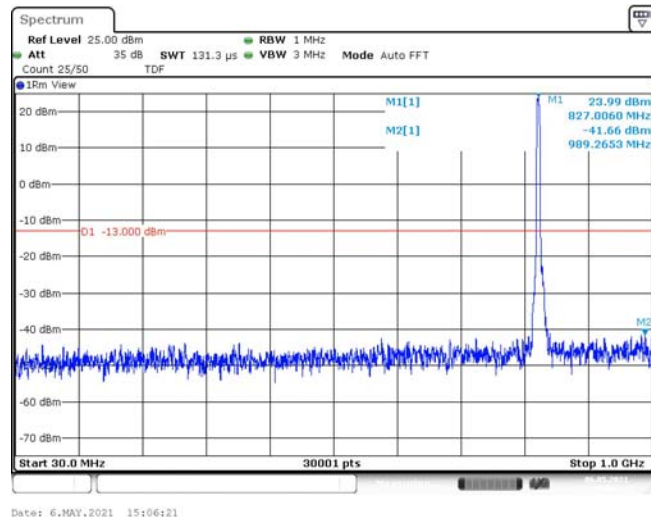
Band2-9538-1000~3000MHz



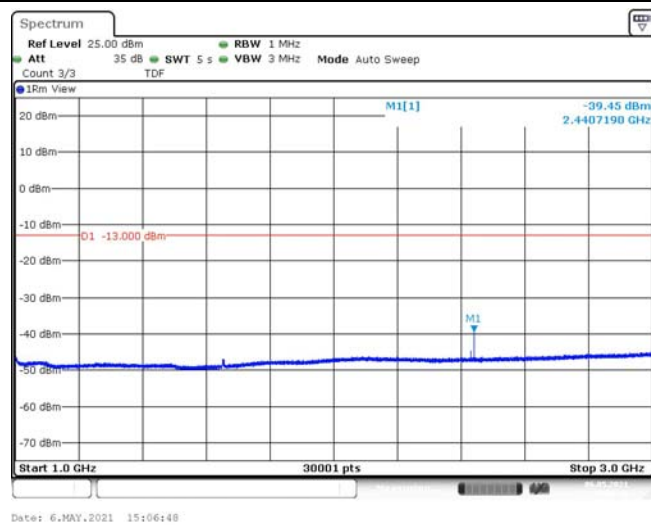
Band5-4132-0.15~30MHz



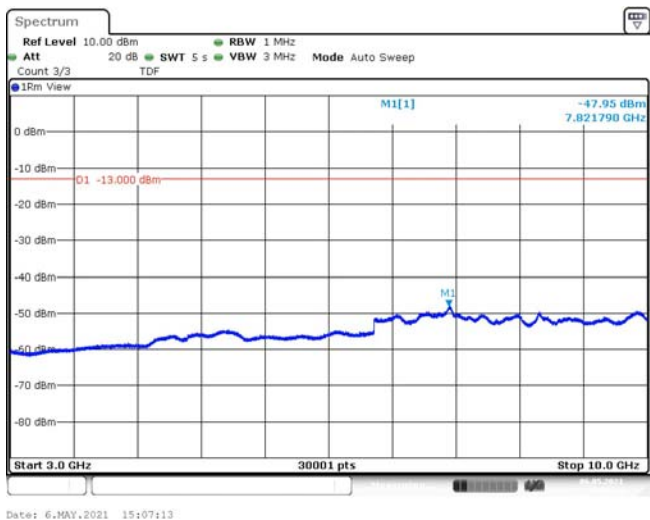
Band5-4132-30~1000MHz



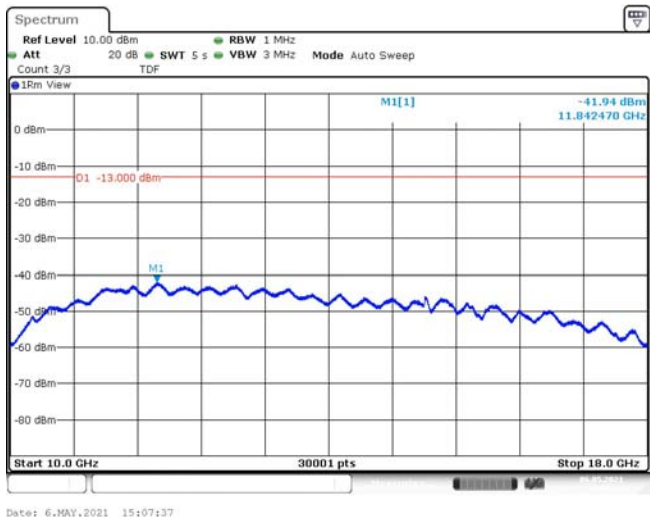
Band5-4132-1000~3000MHz



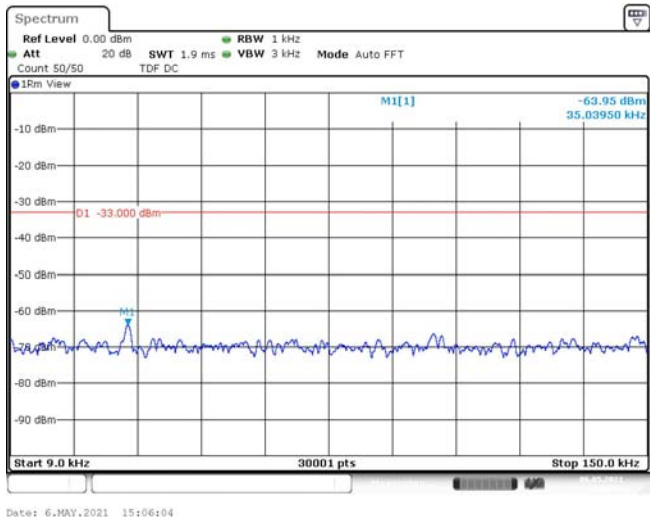
Band5-4132-3000~10000MHz



Band5-4132-10000~18000MHz



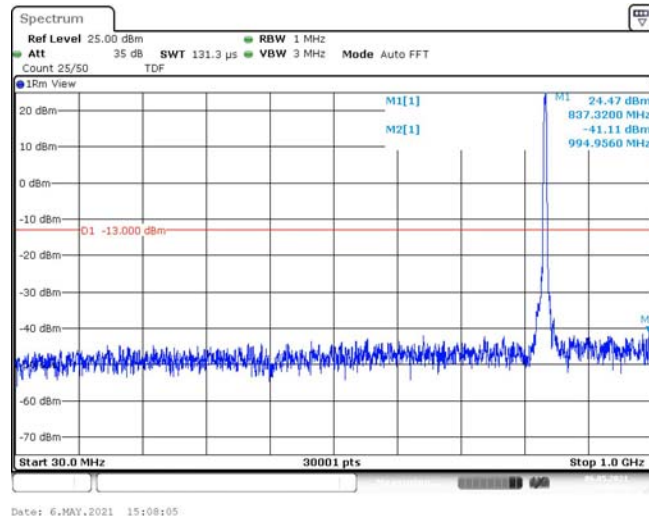
Band5-4132-0.009~0.15MHz



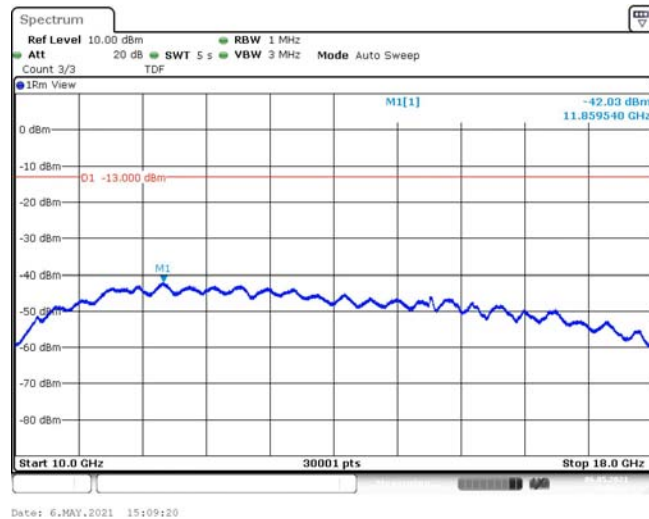
Band5-4183-30~1000MHz



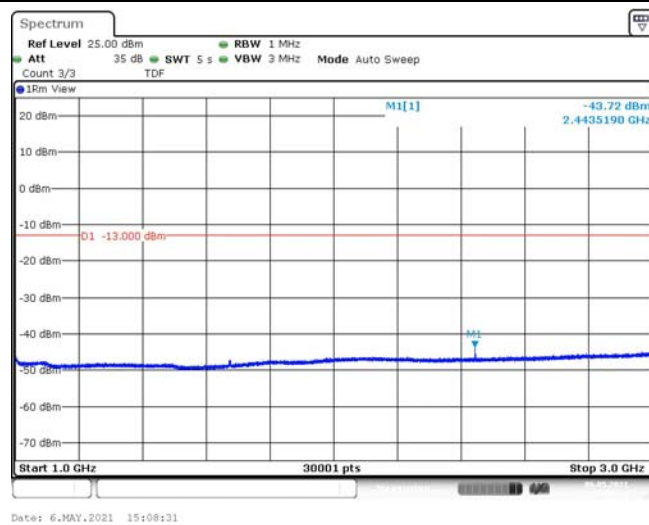
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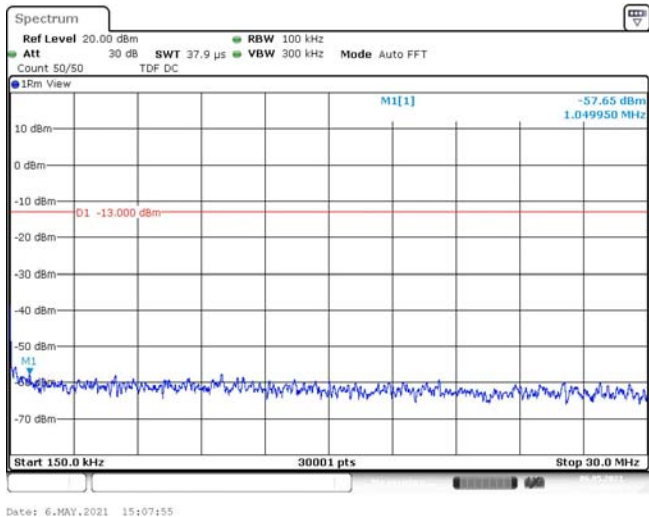
Band5-4183-10000~18000MHz



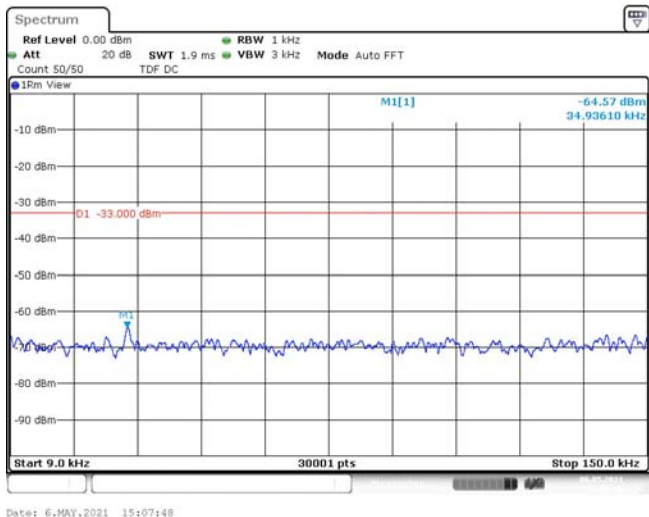
Band5-4183-1000~3000MHz



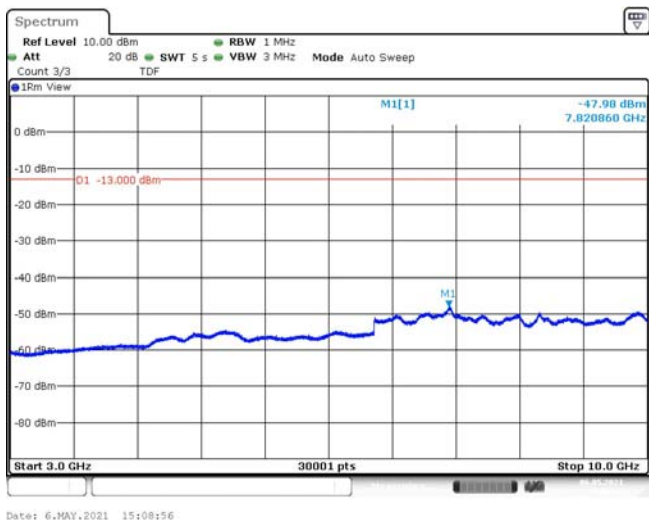
Band5-4183-0.15~30MHz



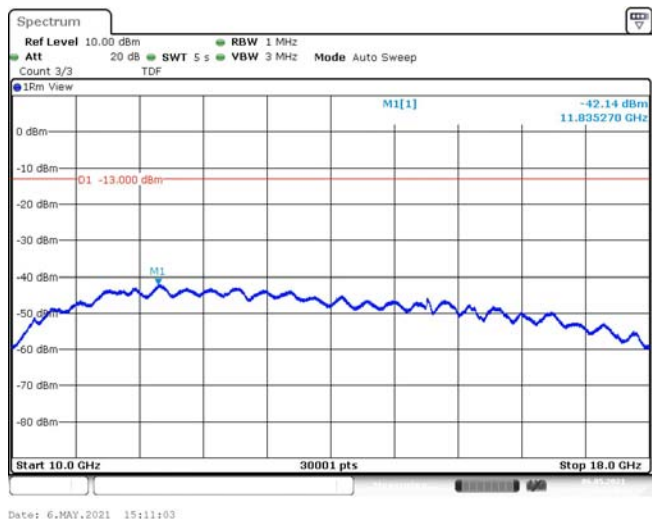
Band5-4183-0.009~0.15MHz



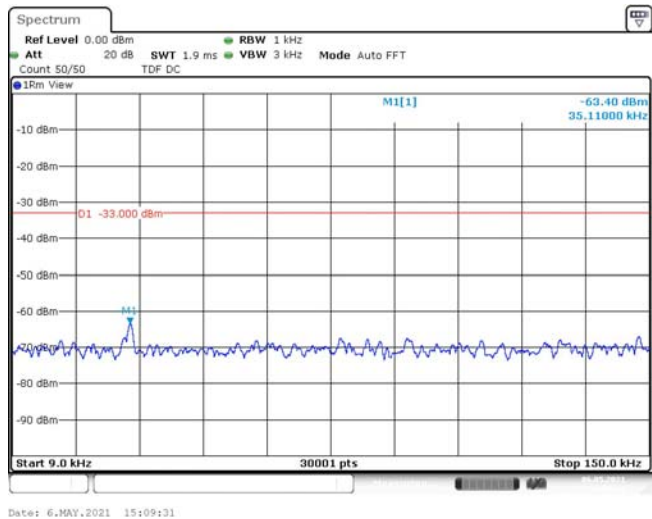
Band5-4183-3000~10000MHz



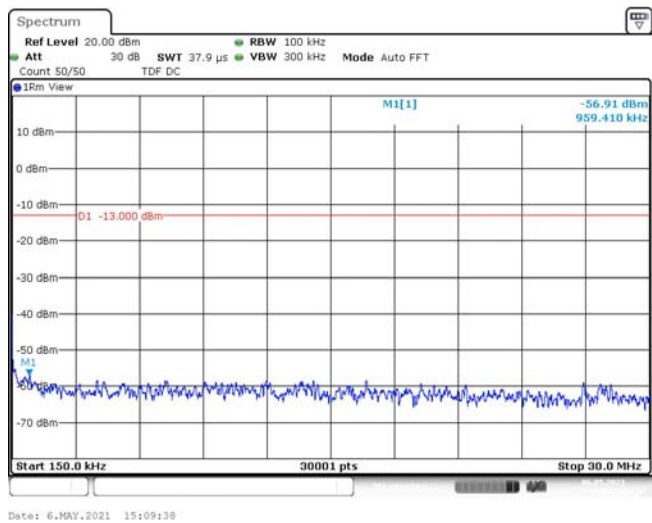
Band5-4233-10000~18000MHz



Band5-4233-0.009~0.15MHz



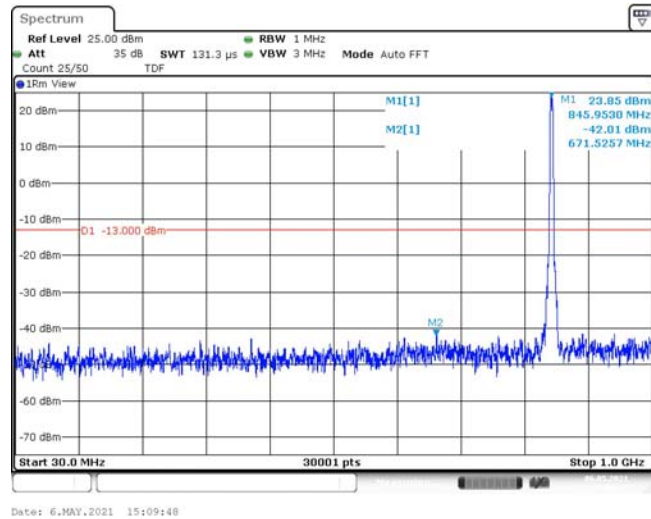
Band5-4233-0.15~30MHz



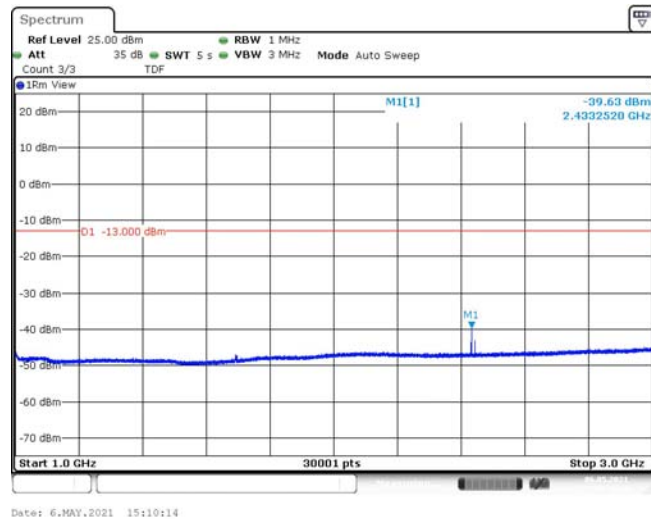
Band5-4233-30~1000MHz



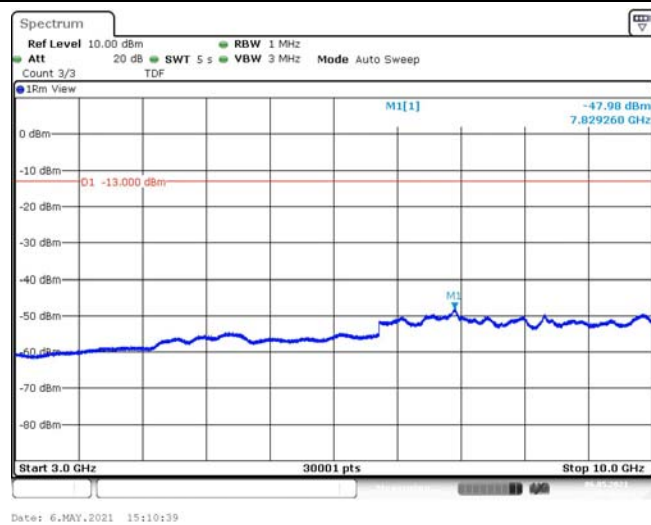
CTC Laboratories, Inc.



Band5-4233-1000~3000MHz

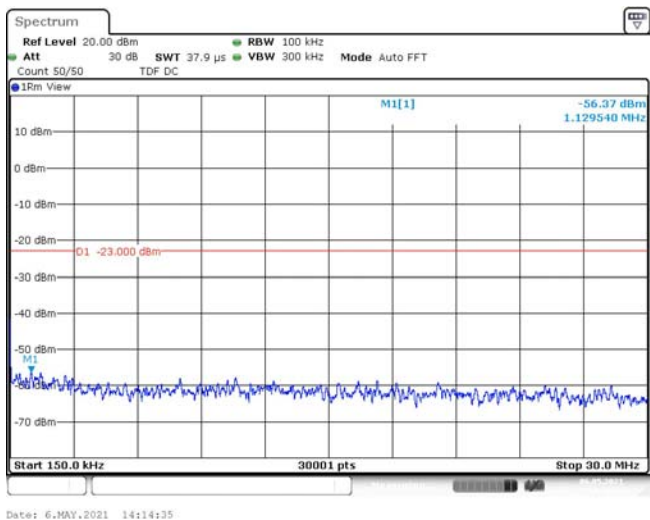


Band5-4233-3000~10000MHz

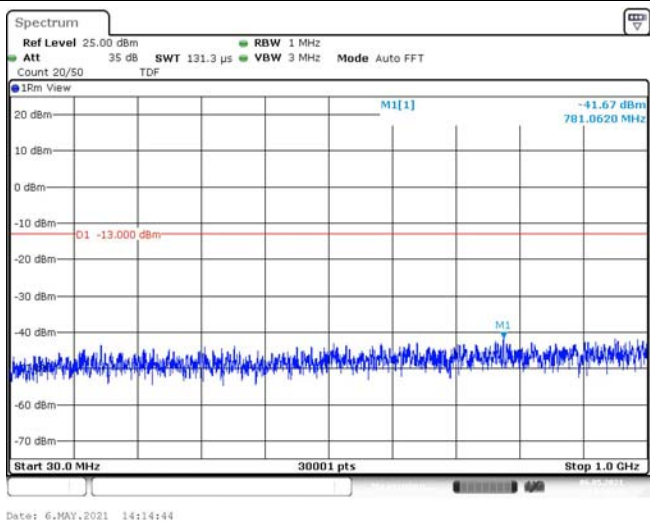




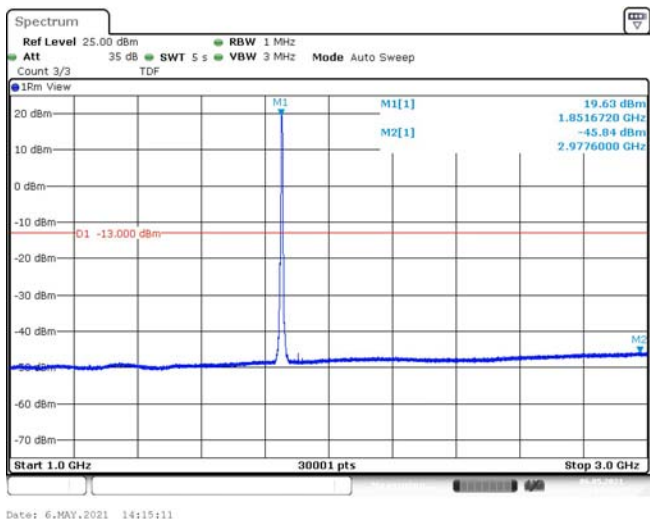
Band2-9262-1-0.15~30MHz



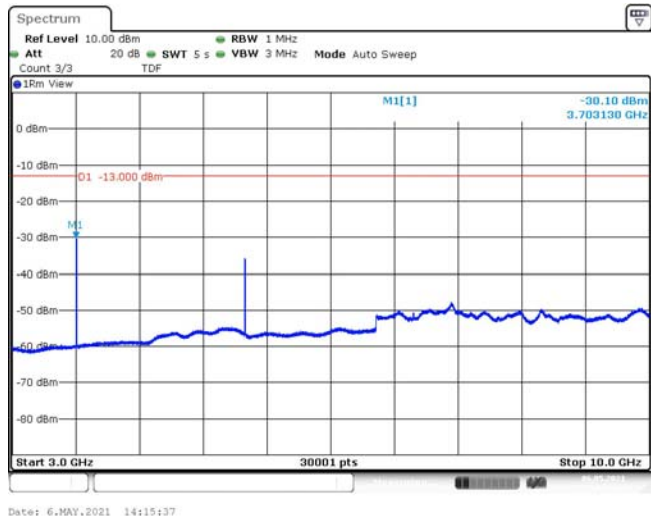
Band2-9262-1-30~1000MHz



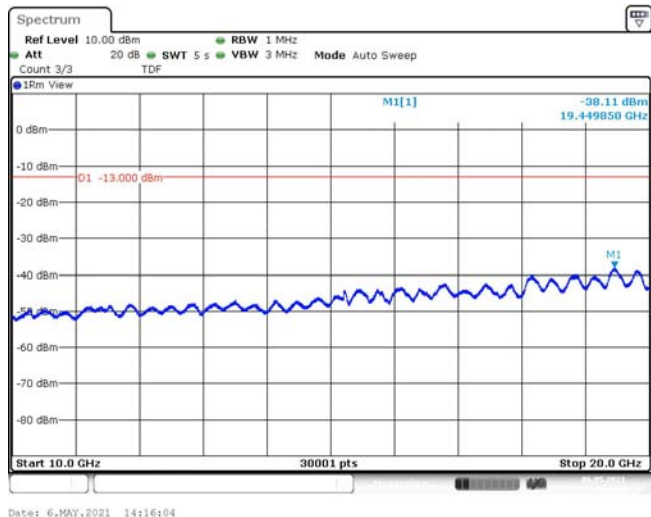
Band2-9262-1-1000~3000MHz



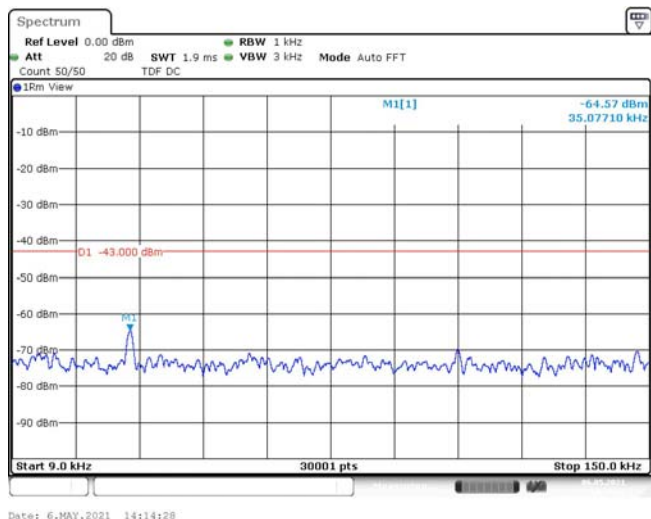
Band2-9262-1-3000~10000MHz



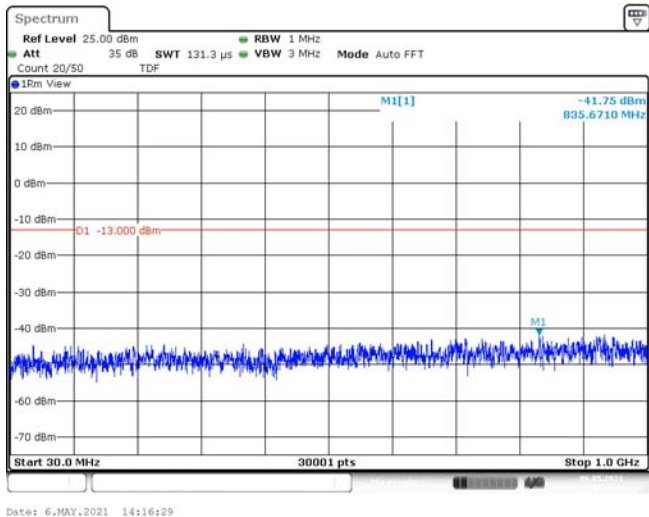
Band2-9262-1-10000~20000MHz



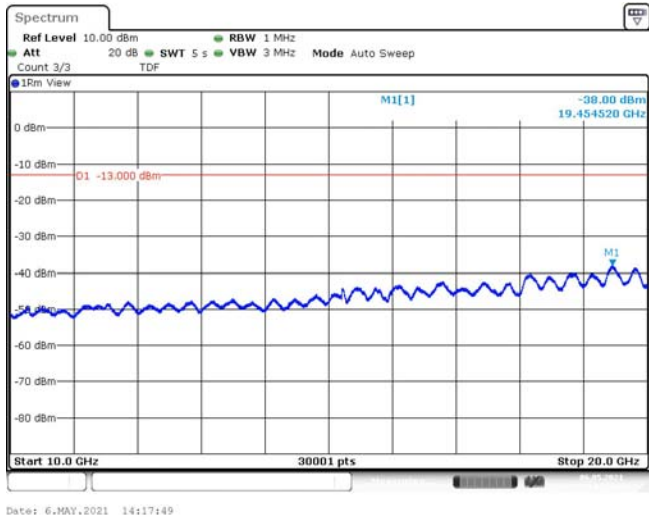
Band2-9262-1-0.009~0.15MHz



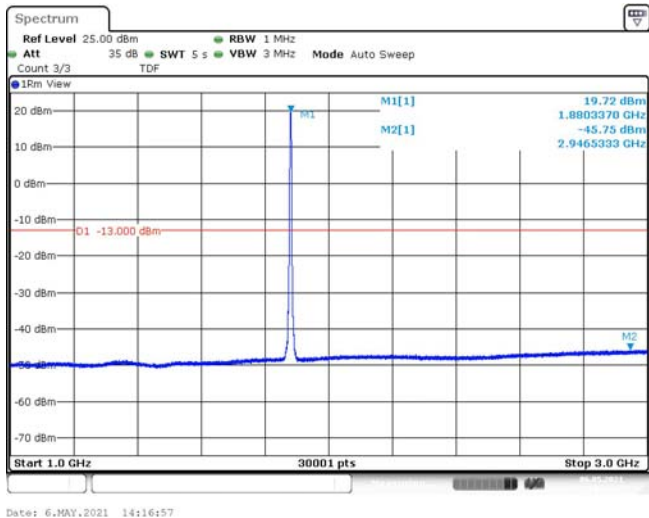
Band2-9400-1-30~1000MHz



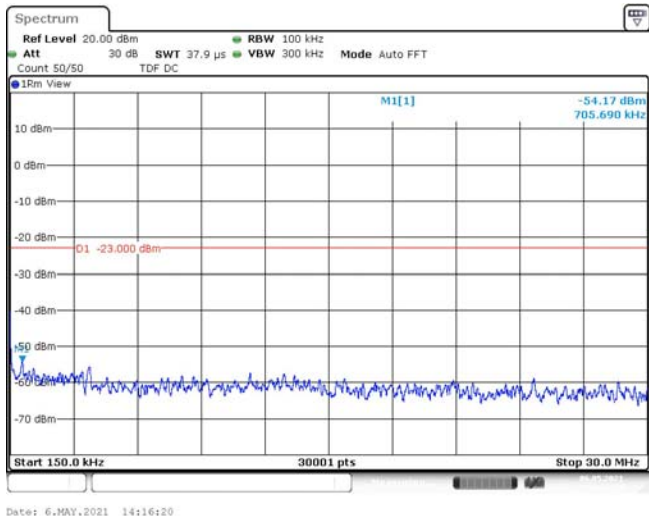
Band2-9400-1-10000~20000MHz



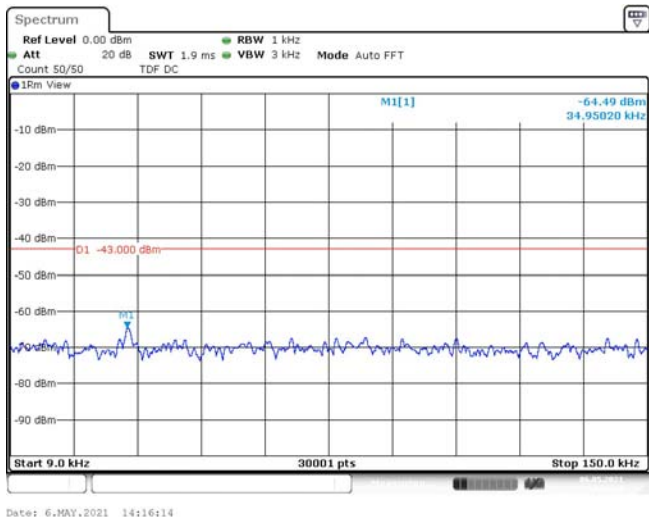
Band2-9400-1-1000~3000MHz



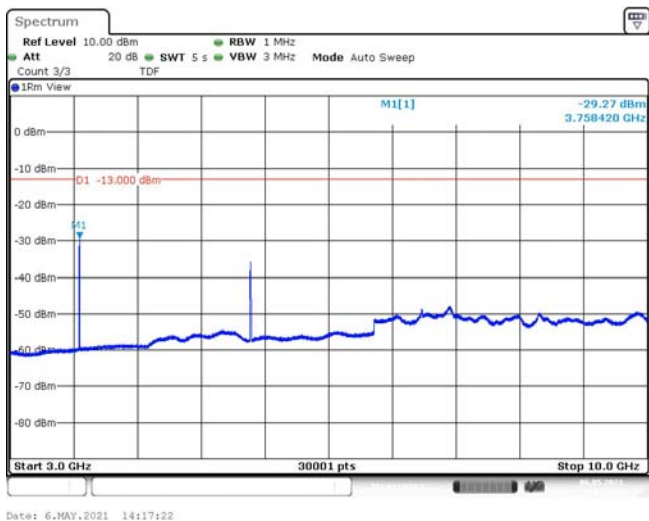
Band2-9400-1-0.15~30MHz



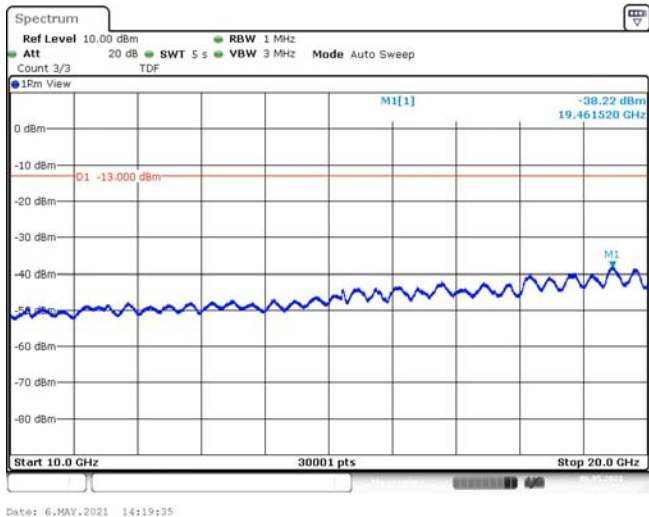
Band2-9400-1-0.009~0.15MHz



Band2-9400-1-3000~10000MHz

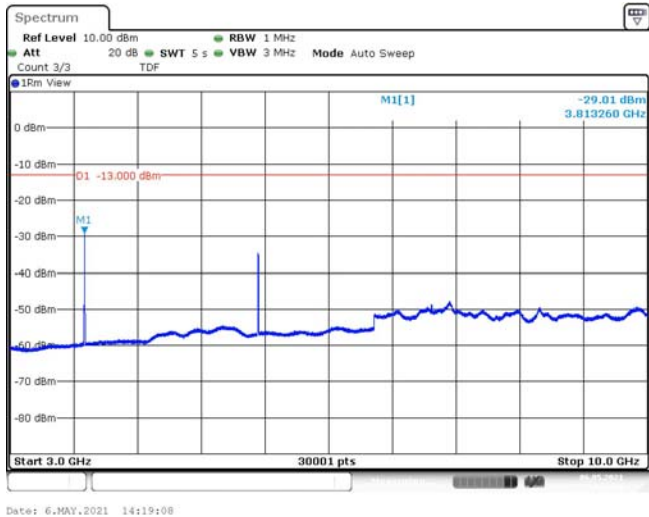


Band2-9538-1-10000~20000MHz



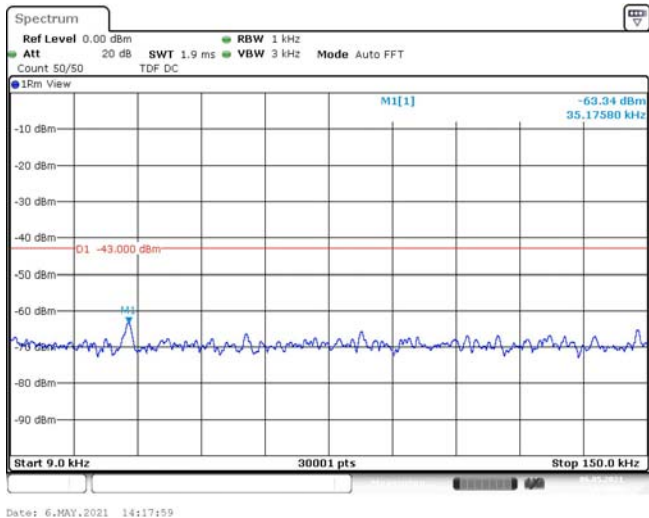
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Band2-9538-1-3000~10000MHz



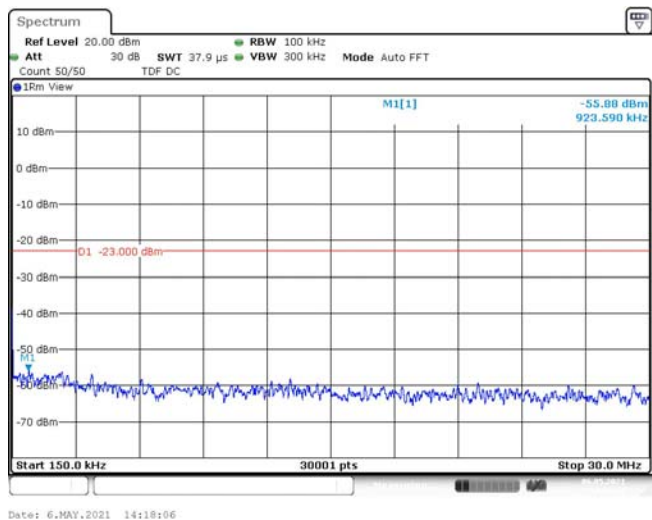
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Band2-9538-1-0.009~0.15MHz

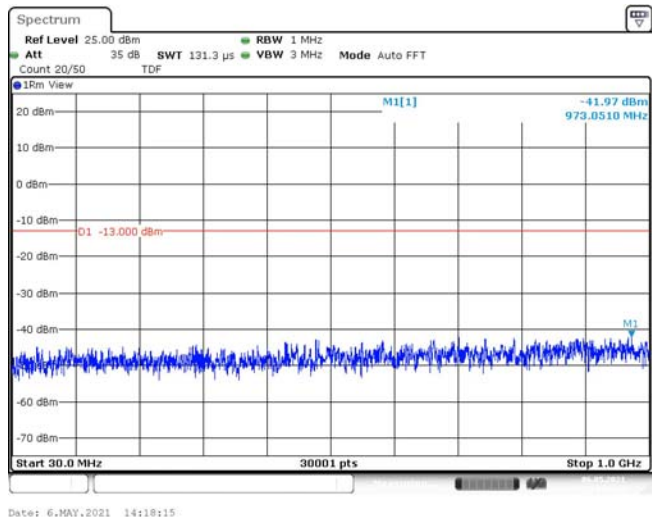


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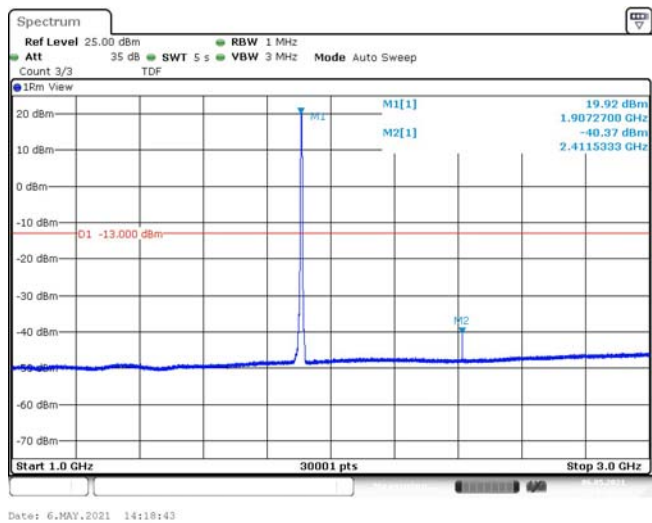
Band2-9538-1-0.15~30MHz



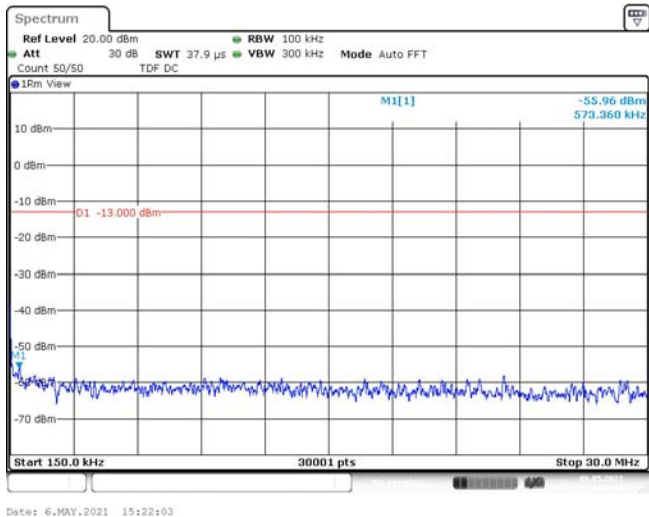
Band2-9538-1-30~1000MHz



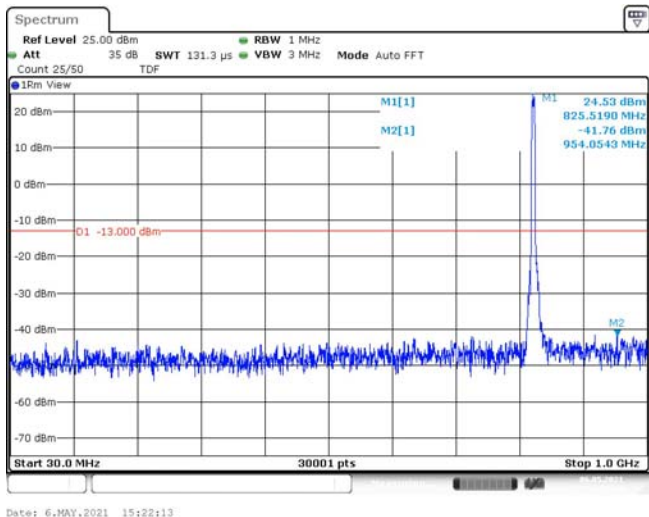
Band2-9538-1-1000~3000MHz



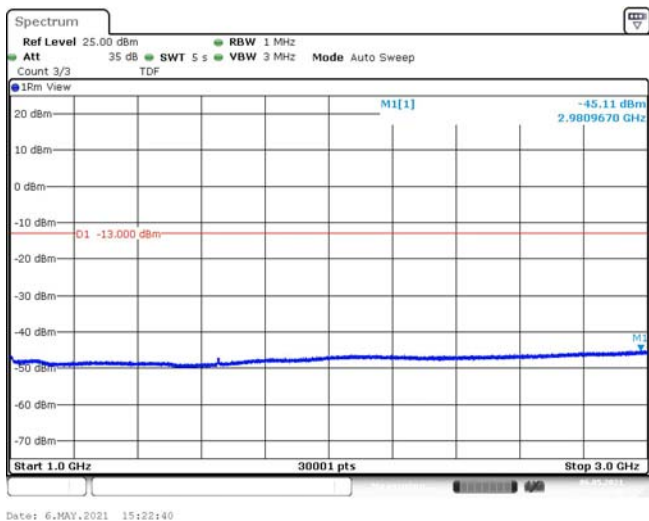
Band5-4132-1-0.15~30MHz



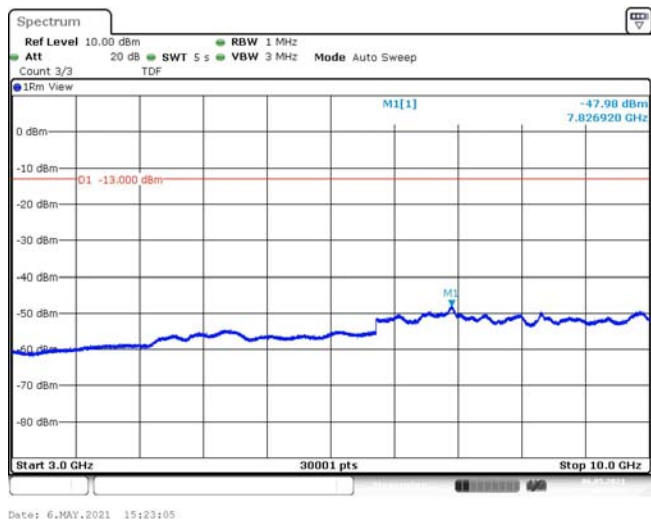
Band5-4132-1-30~1000MHz



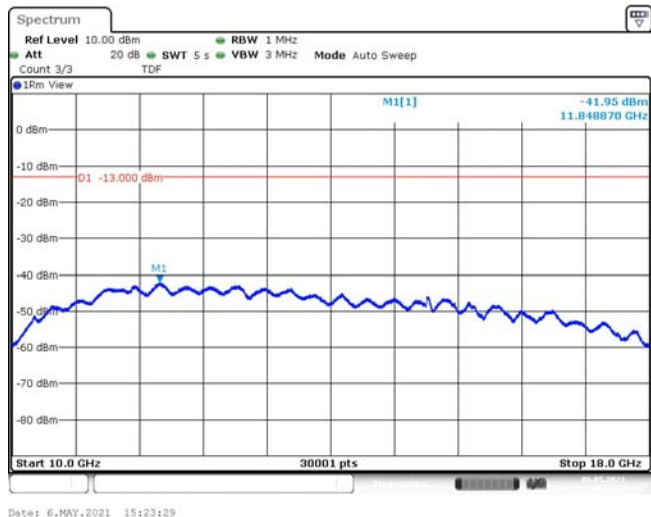
Band5-4132-1-1000~3000MHz



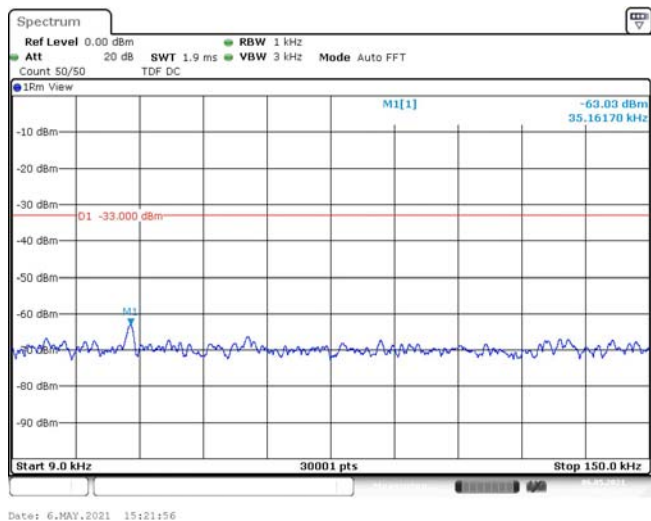
Band5-4132-1-3000~10000MHz



Band5-4132-1-10000~18000MHz



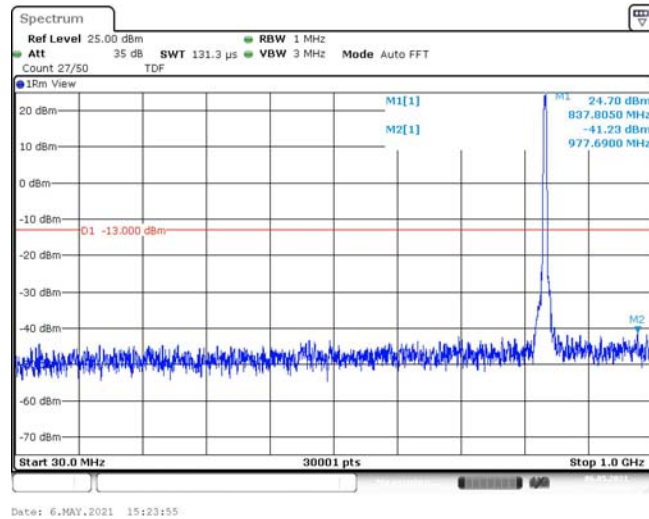
Band5-4132-1-0.009~0.15MHz



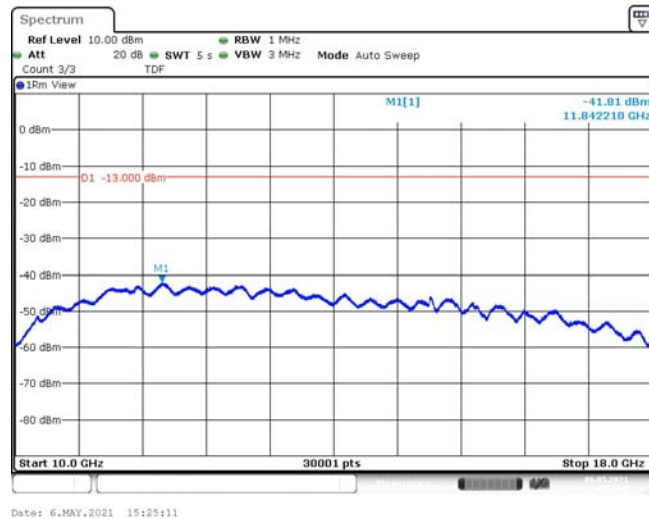
Band5-4183-1-30~1000MHz



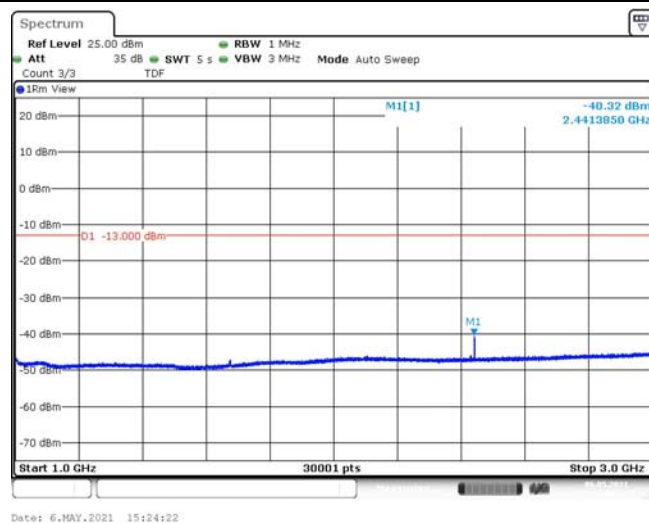
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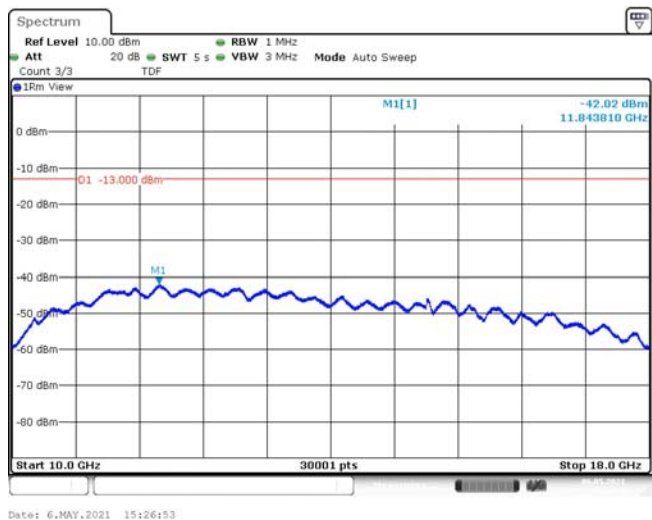
Band5-4183-1-10000~18000MHz



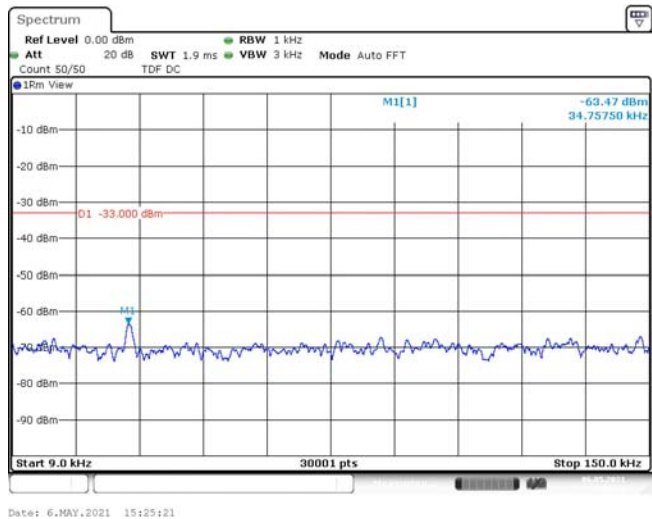
Band5-4183-1-1000~3000MHz



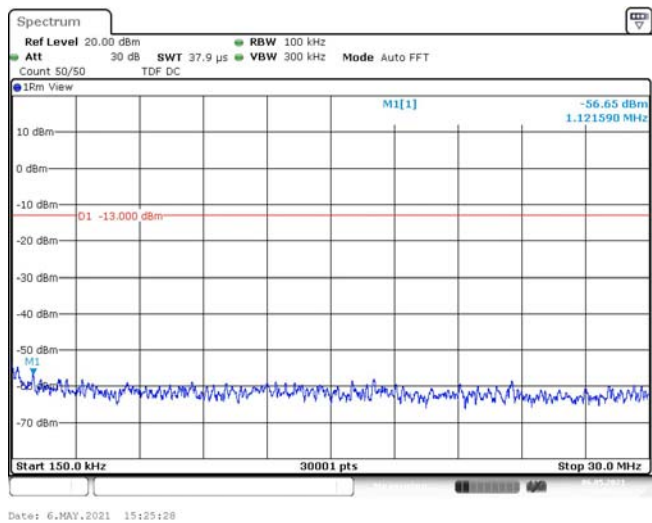
Band5-4183-1-0.15~30MHz



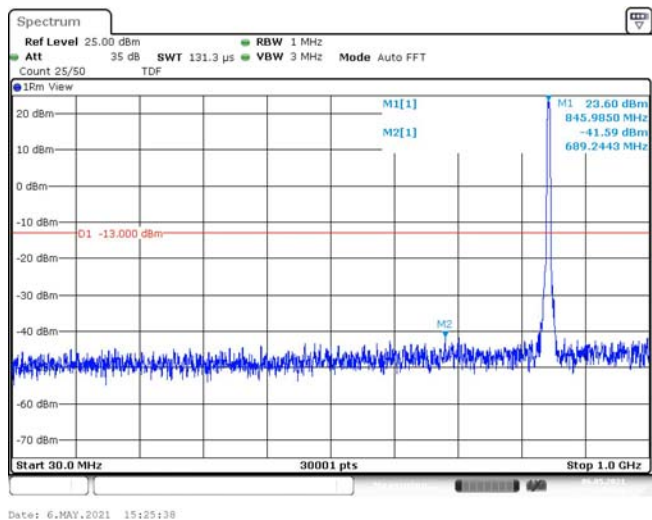
Band5-4233-1-0.009~0.15MHz



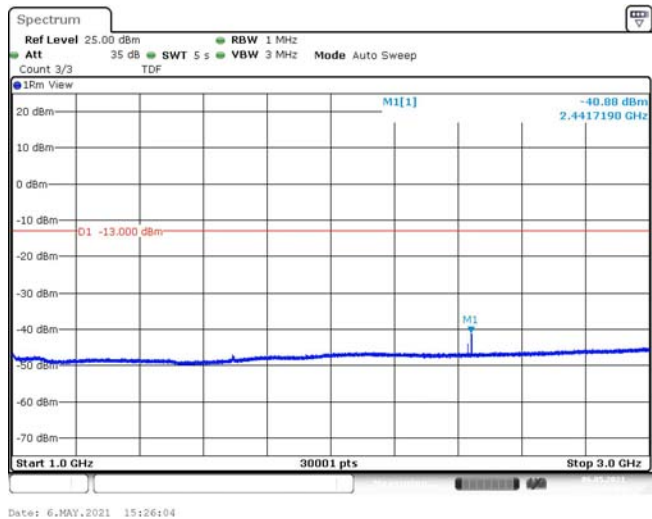
Band5-4233-1-0.15~30MHz



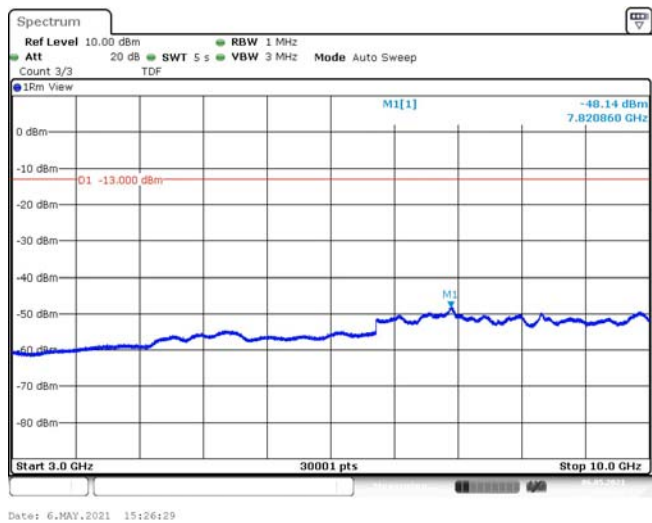
Band5-4233-1-30~1000MHz



Band5-4233-1-1000~3000MHz

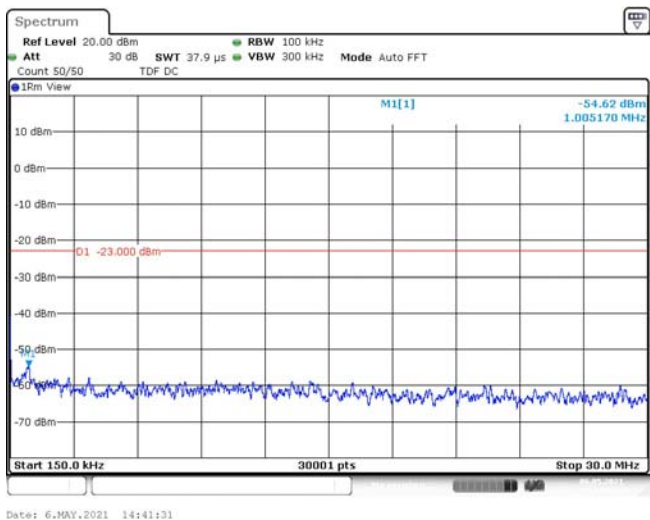


Band5-4233-1-3000~10000MHz

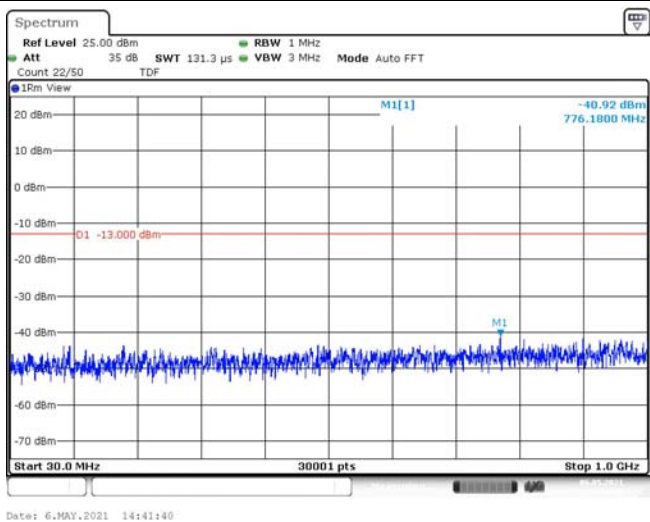




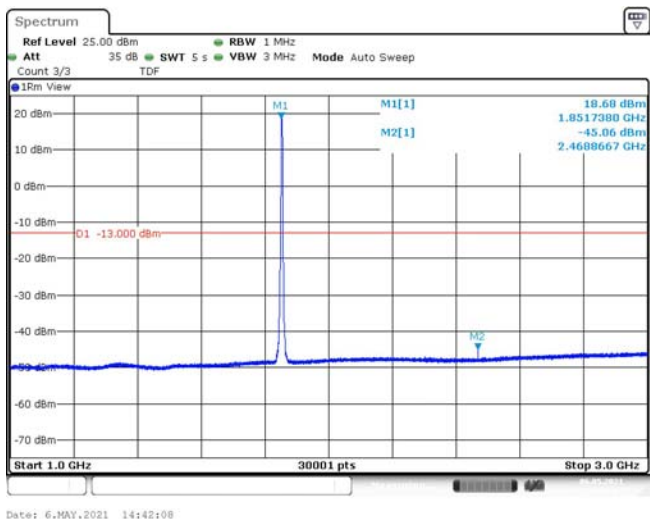
Band2-9262-1-0.15~30MHz



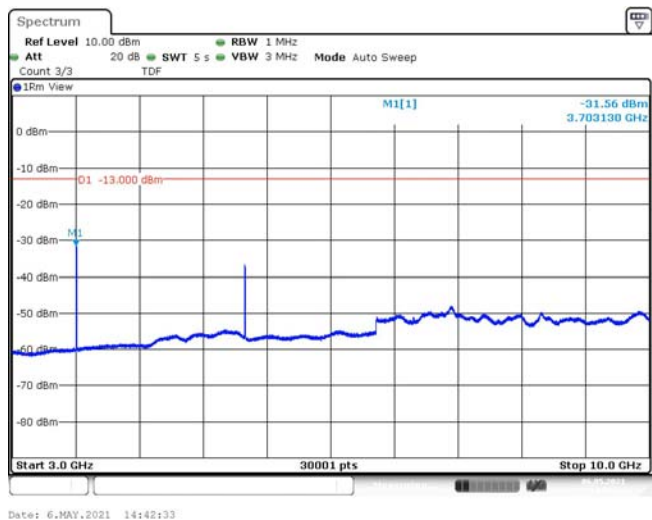
Band2-9262-1-30~1000MHz



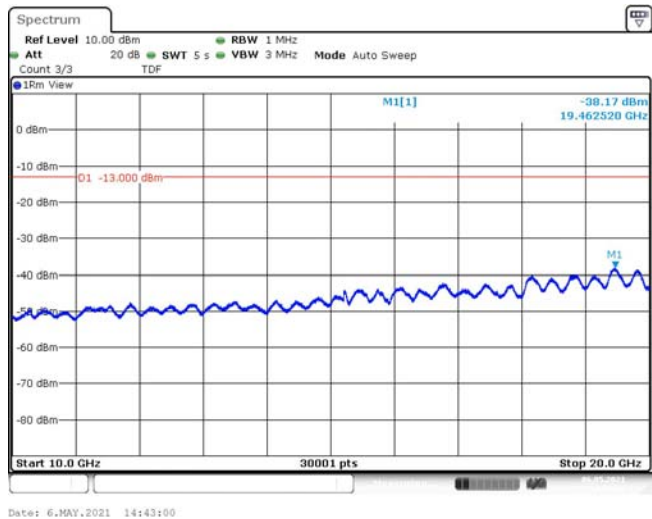
Band2-9262-1-1000~3000MHz



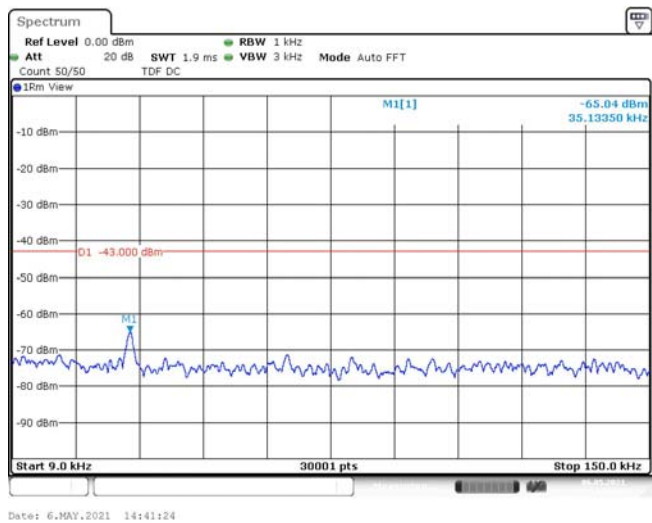
Band2-9262-1-3000~10000MHz



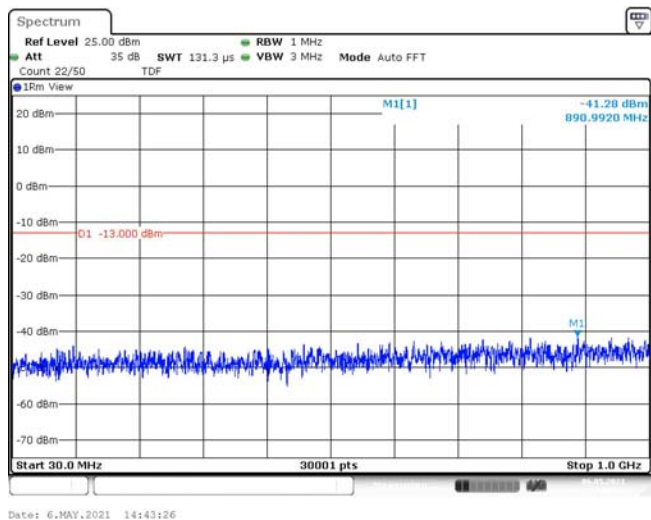
Band2-9262-1-10000~20000MHz



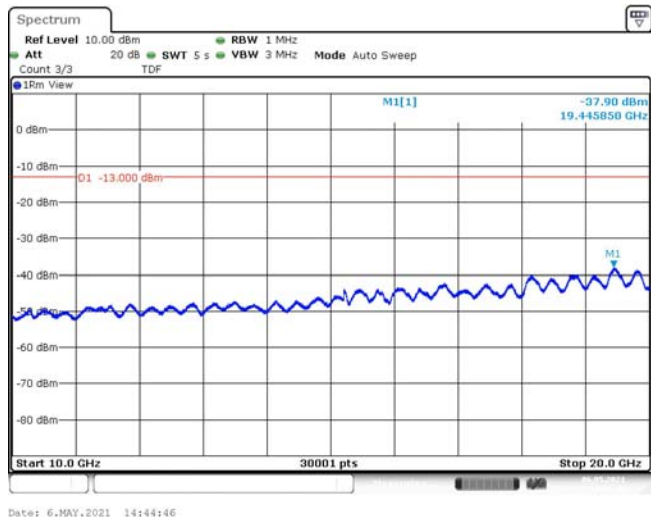
Band2-9262-1-0.009~0.15MHz



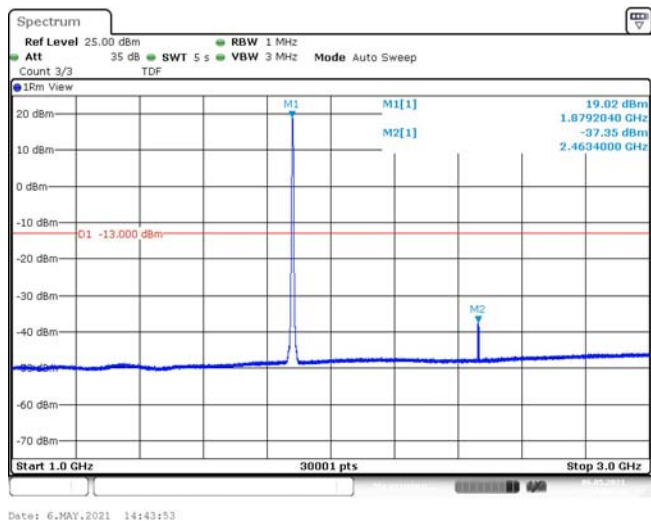
Band2-9400-1-30~1000MHz



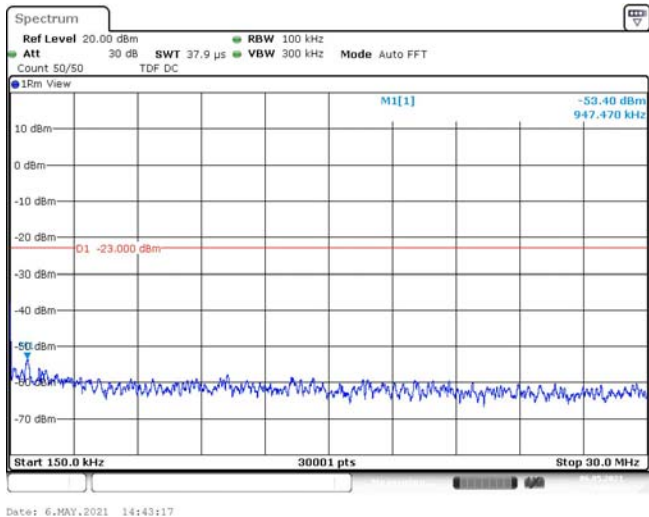
Band2-9400-1-10000~20000MHz



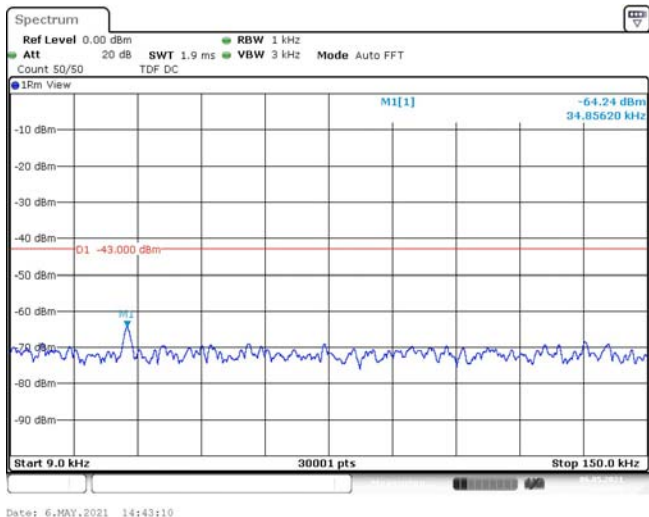
Band2-9400-1-1000~3000MHz



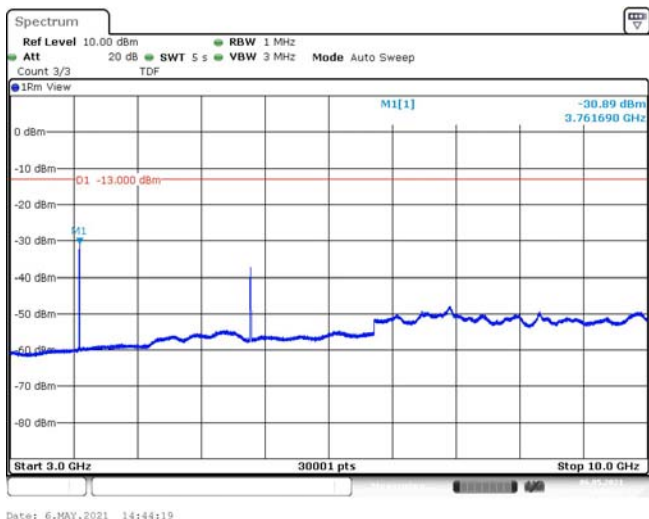
Band2-9400-1-0.15~30MHz



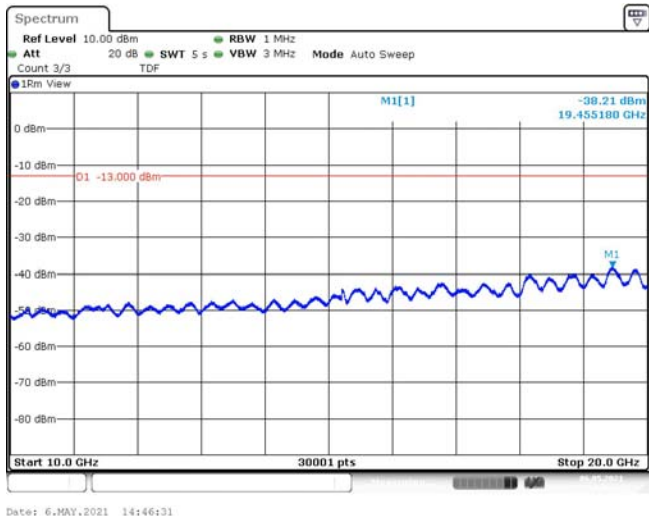
Band2-9400-1-0.009~0.15MHz



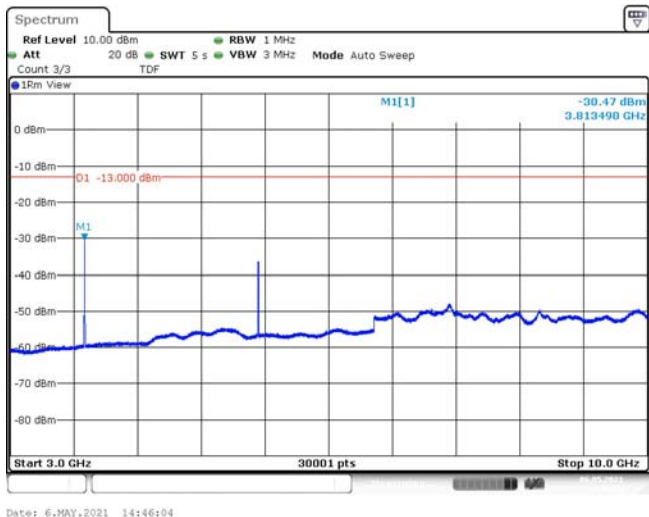
Band2-9400-1-3000~10000MHz



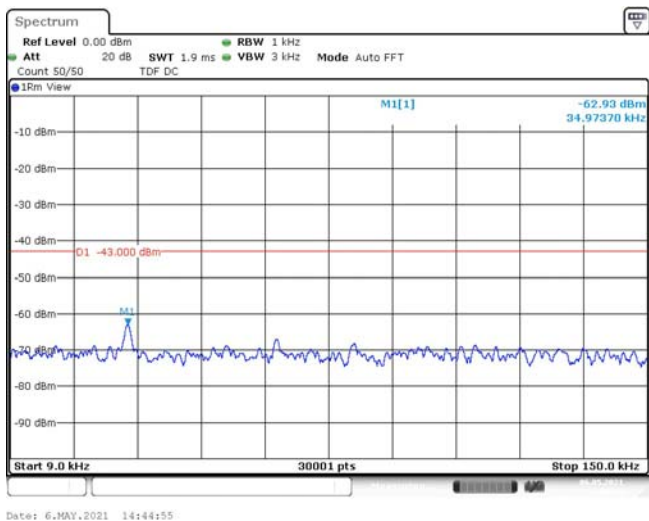
Band2-9538-1-10000~20000MHz



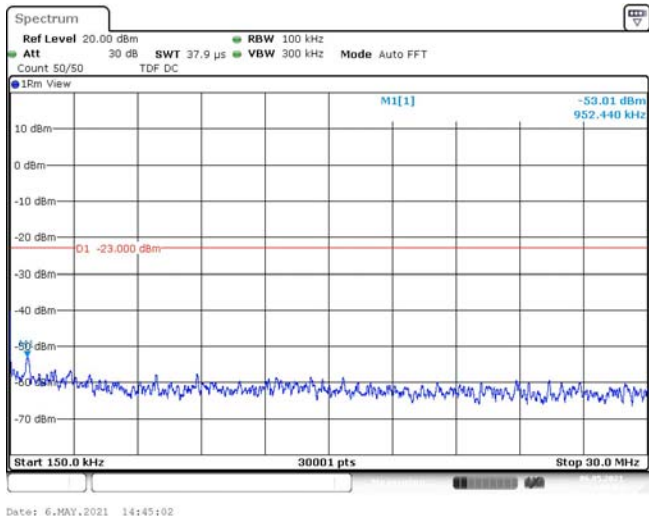
Band2-9538-1-3000~10000MHz



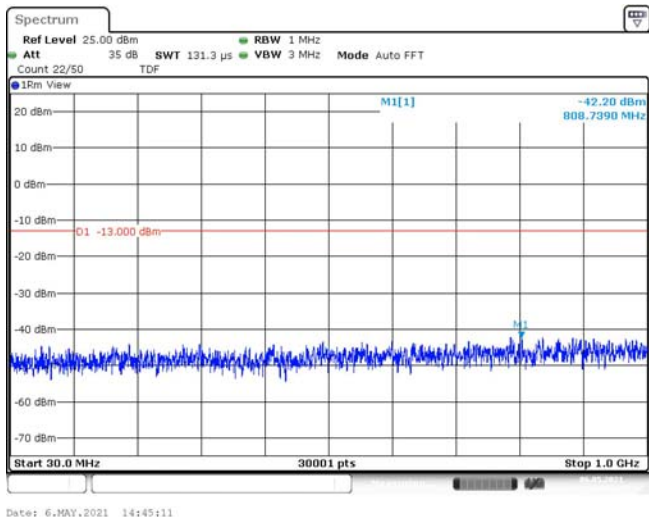
Band2-9538-1-0.009~0.15MHz



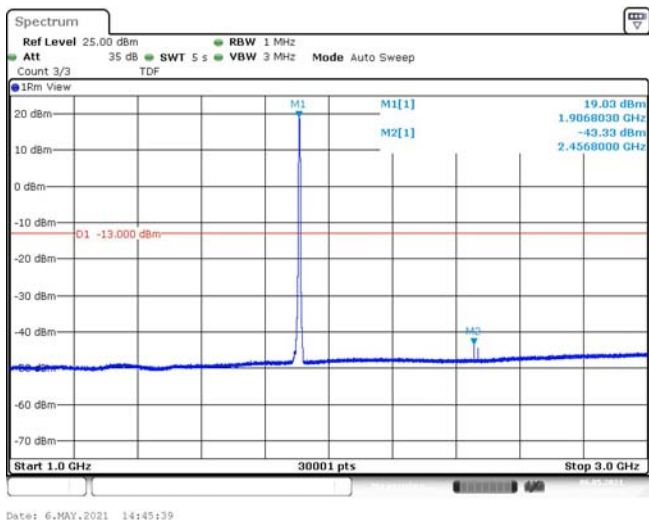
Band2-9538-1-0.15~30MHz



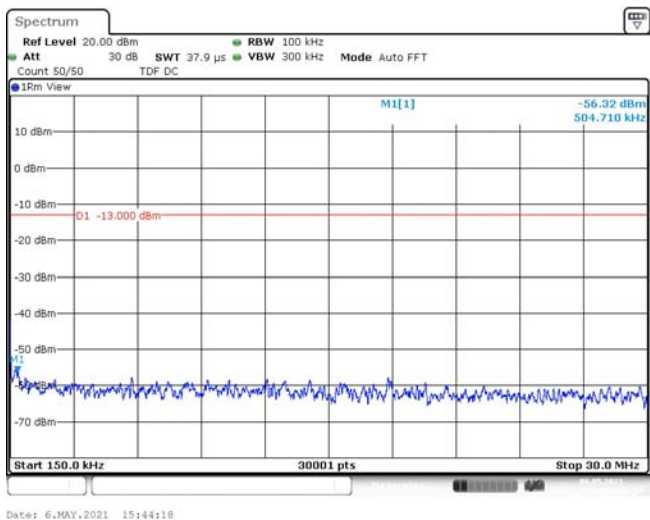
Band2-9538-1-30~1000MHz



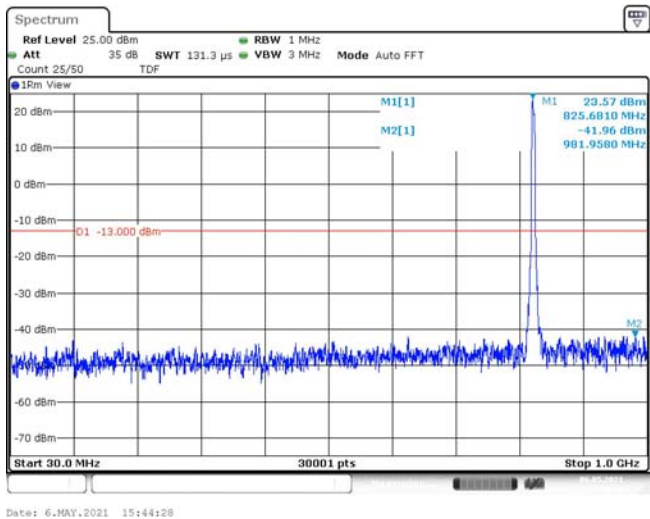
Band2-9538-1-1000~3000MHz



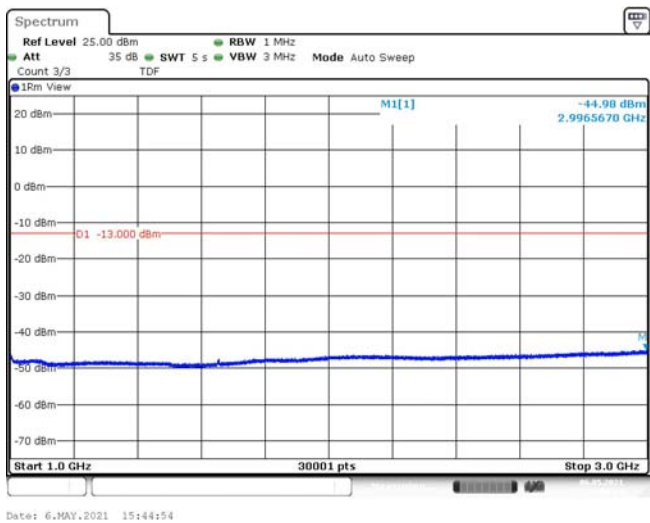
Band5-4132-1-0.15~30MHz



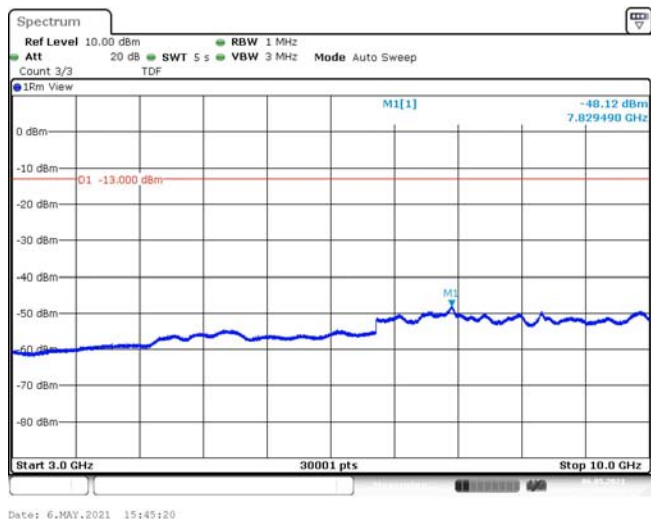
Band5-4132-1-30~1000MHz



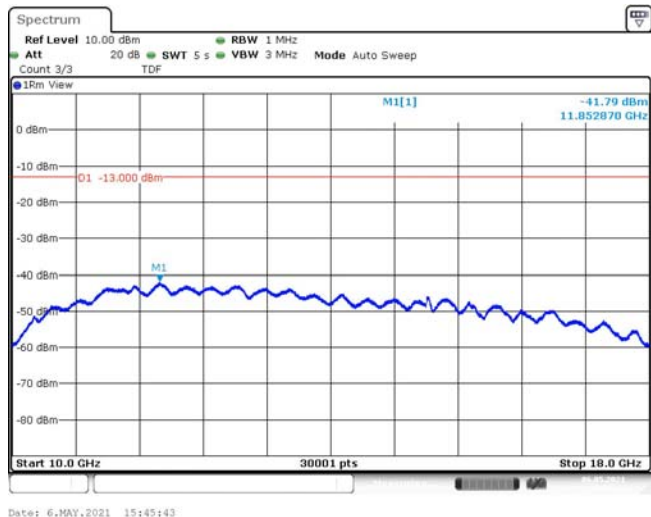
Band5-4132-1-1000~3000MHz



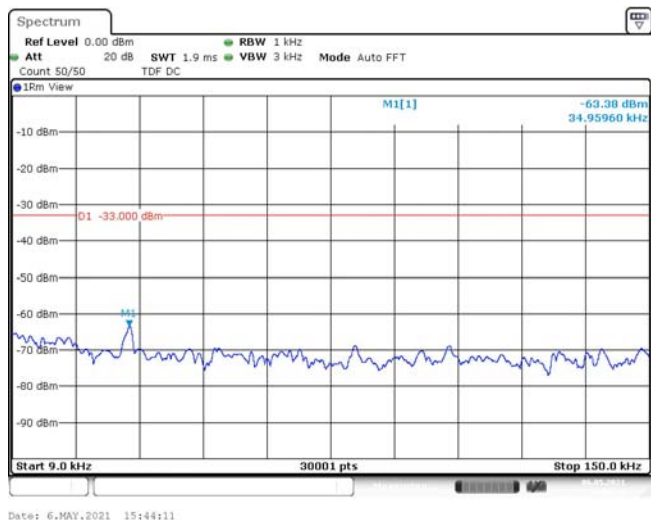
Band5-4132-1-3000~10000MHz



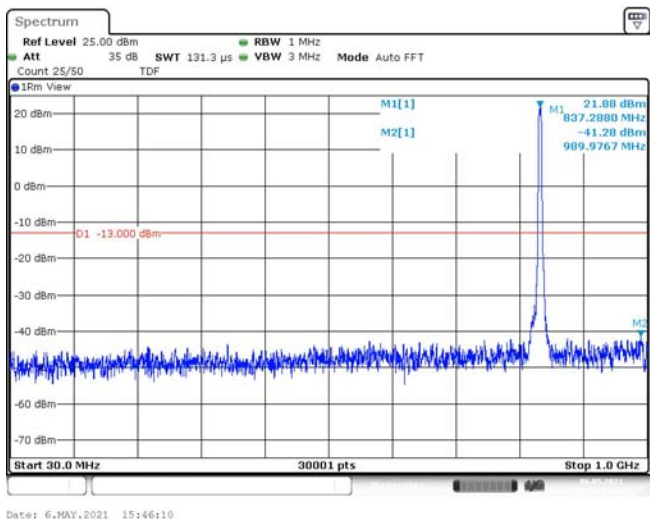
Band5-4132-1-10000~18000MHz



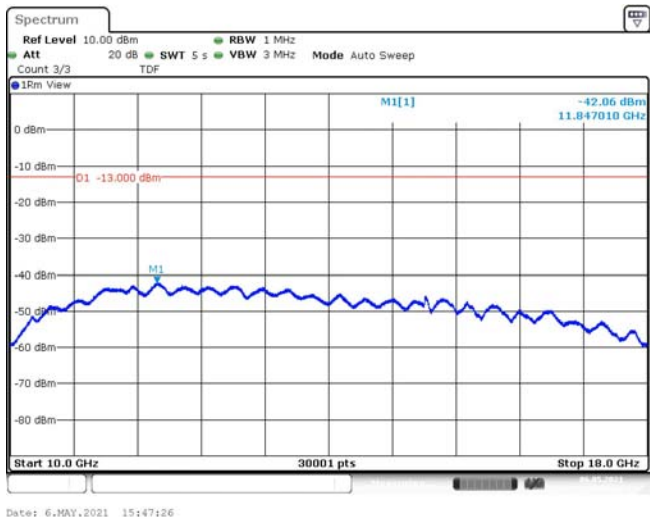
Band5-4132-1-0.009~0.15MHz



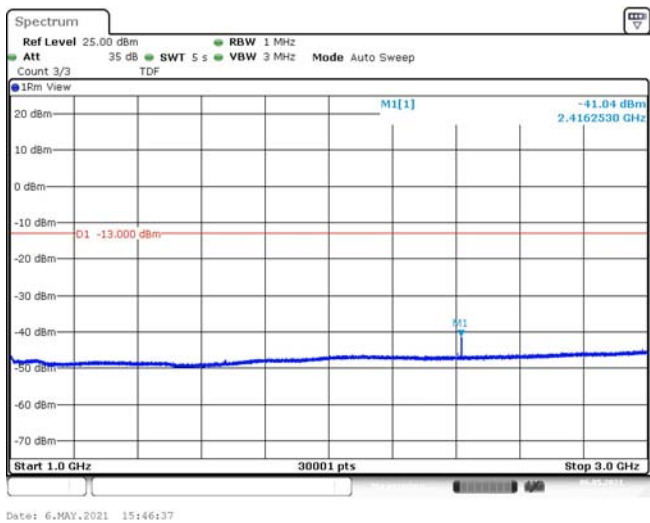
Band5-4183-1-30~1000MHz



Band5-4183-1-10000~18000MHz



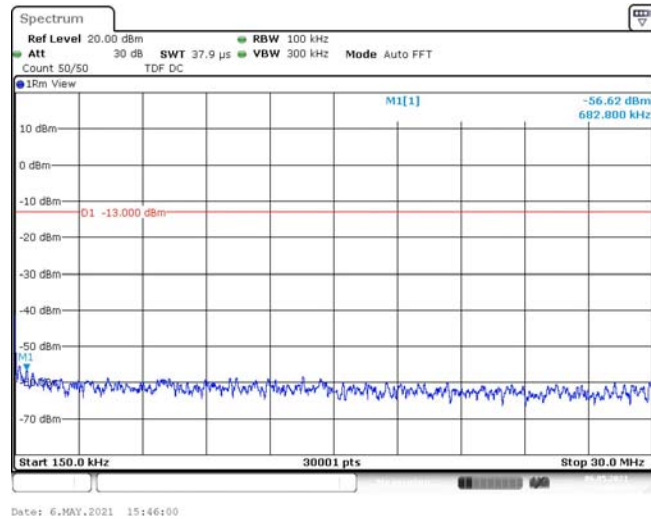
Band5-4183-1-1000~3000MHz



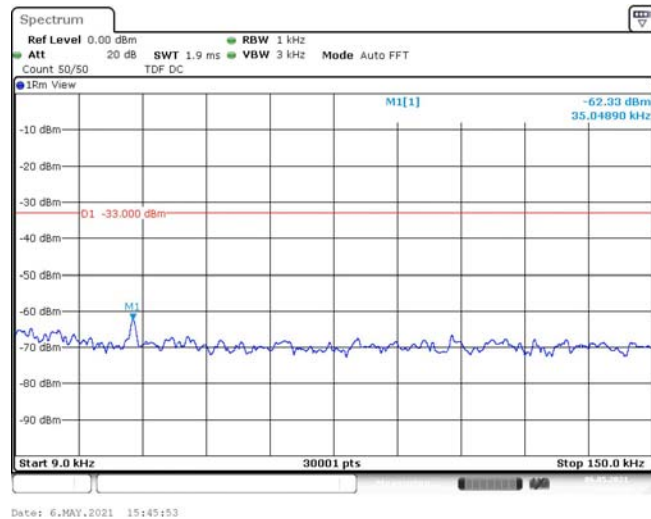
Band5-4183-1-0.15~30MHz



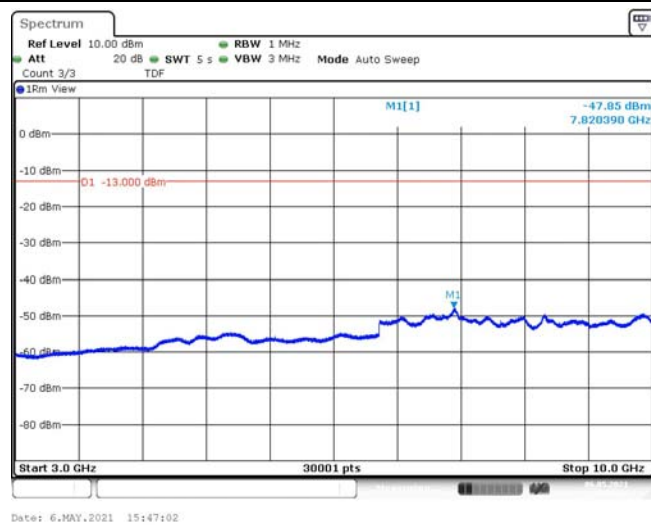
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Band5-4183-1-0.009~0.15MHz



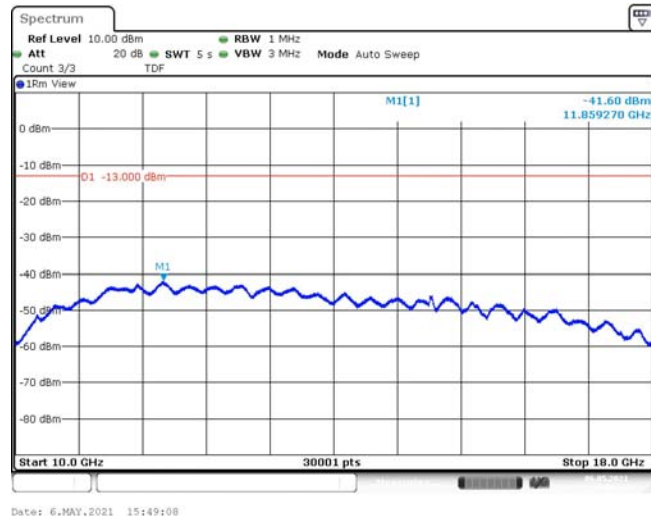
Band5-4183-1-3000~10000MHz



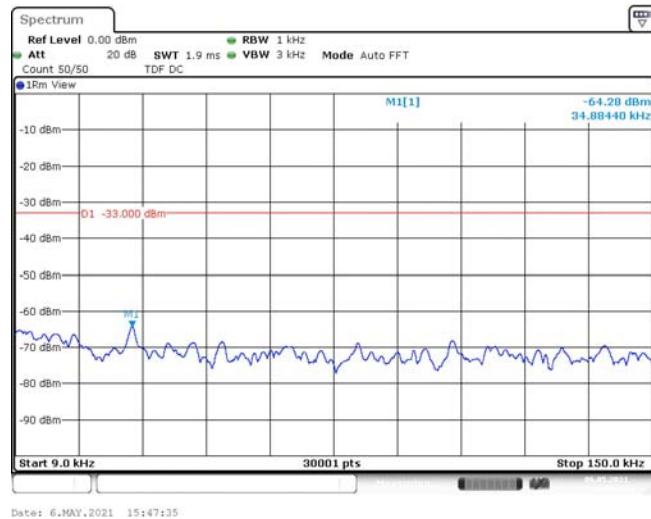
Band5-4233-1-10000~18000MHz



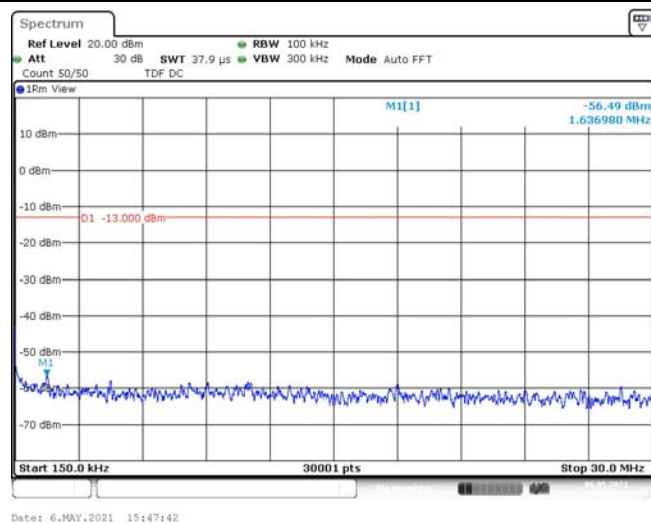
CTC Laboratories, Inc.



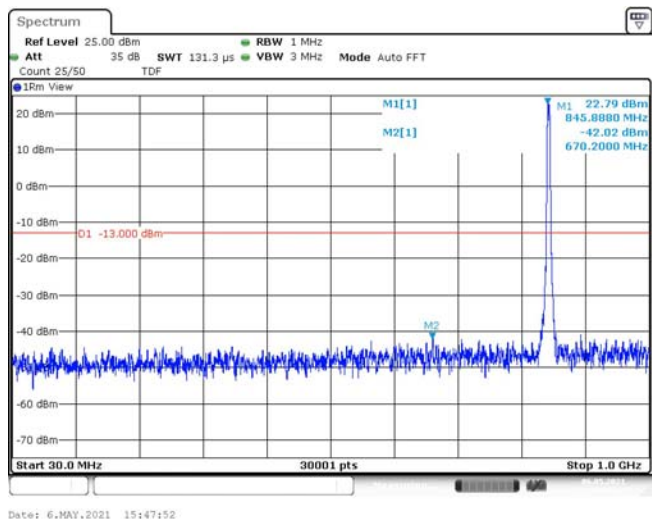
Band5-4233-1-0.009~0.15MHz



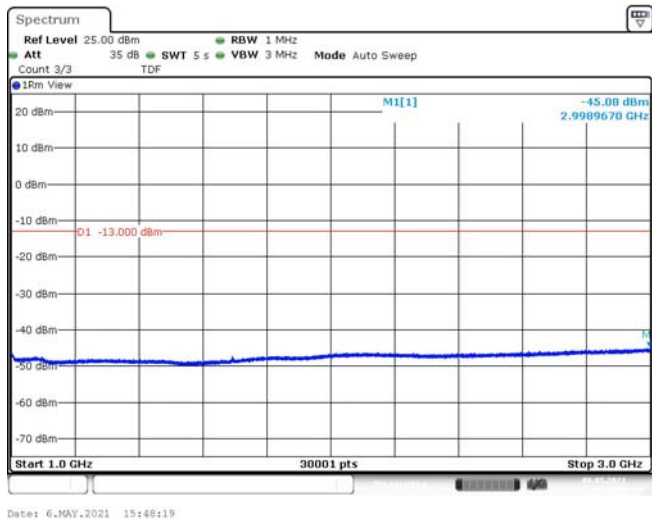
Band5-4233-1-0.15~30MHz



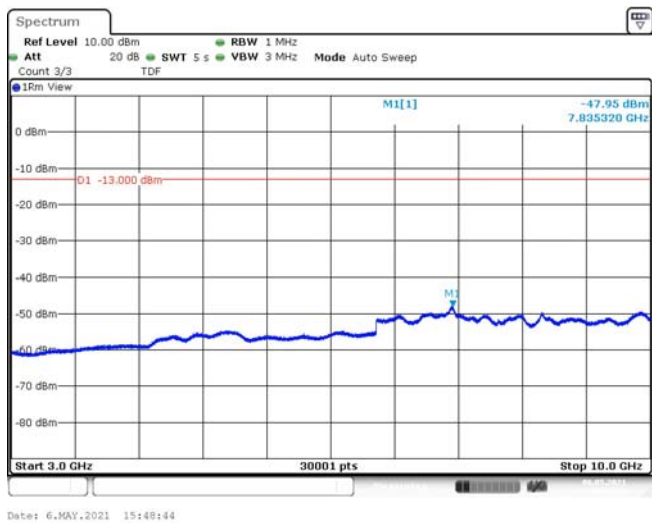
Band5-4233-1-30~1000MHz



Band5-4233-1-1000~3000MHz



Band5-4233-1-3000~10000MHz





Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	4.64	0.002505	±2.5	PASS
Band2	9262	VN	NT	3.81	0.002057	±2.5	PASS
Band2	9262	VH	NT	3.94	0.002127	±2.5	PASS
Band2	9400	VL	NT	-0.74	-0.000394	±2.5	PASS
Band2	9400	VN	NT	-0.50	-0.000266	±2.5	PASS
Band2	9400	VH	NT	-0.21	-0.000112	±2.5	PASS
Band2	9538	VL	NT	-5.53	-0.002899	±2.5	PASS
Band2	9538	VN	NT	-6.55	-0.003434	±2.5	PASS
Band2	9538	VH	NT	-5.99	-0.003140	±2.5	PASS
Band5	4132	VL	NT	1.69	0.002045	±2.5	PASS
Band5	4132	VN	NT	1.92	0.002323	±2.5	PASS
Band5	4132	VH	NT	2.12	0.002565	±2.5	PASS
Band5	4183	VL	NT	-0.03	-0.000036	±2.5	PASS
Band5	4183	VN	NT	-0.31	-0.000371	±2.5	PASS
Band5	4183	VH	NT	-0.02	-0.000024	±2.5	PASS
Band5	4233	VL	NT	-2.29	-0.002705	±2.5	PASS
Band5	4233	VN	NT	-2.01	-0.002374	±2.5	PASS
Band5	4233	VH	NT	-2.33	-0.002752	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	3.93	0.002122	±2.5	PASS
Band2	9262	NV	-20	4.94	0.002667	±2.5	PASS
Band2	9262	NV	-10	4.86	0.002624	±2.5	PASS
Band2	9262	NV	0	3.83	0.002068	±2.5	PASS
Band2	9262	NV	10	4.05	0.002186	±2.5	PASS
Band2	9262	NV	20	4.46	0.002408	±2.5	PASS
Band2	9262	NV	30	3.88	0.002095	±2.5	PASS
Band2	9262	NV	40	3.65	0.001970	±2.5	PASS
Band2	9262	NV	50	3.91	0.002111	±2.5	PASS
Band2	9400	NV	-30	-0.30	-0.000160	±2.5	PASS
Band2	9400	NV	-20	-1.04	-0.000553	±2.5	PASS
Band2	9400	NV	-10	-0.86	-0.000457	±2.5	PASS
Band2	9400	NV	0	-1.08	-0.000574	±2.5	PASS
Band2	9400	NV	10	-0.64	-0.000340	±2.5	PASS



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Band2	9400	NV	20	-0.67	-0.000356	±2.5	PASS
Band2	9400	NV	30	-0.74	-0.000394	±2.5	PASS
Band2	9400	NV	40	-0.91	-0.000484	±2.5	PASS
Band2	9400	NV	50	-1.10	-0.000585	±2.5	PASS
Band2	9538	NV	-30	-6.04	-0.003166	±2.5	PASS
Band2	9538	NV	-20	-5.28	-0.002768	±2.5	PASS
Band2	9538	NV	-10	-5.57	-0.002920	±2.5	PASS
Band2	9538	NV	0	-5.84	-0.003061	±2.5	PASS
Band2	9538	NV	10	-5.26	-0.002757	±2.5	PASS
Band2	9538	NV	20	-6.20	-0.003250	±2.5	PASS
Band2	9538	NV	30	-5.74	-0.003009	±2.5	PASS
Band2	9538	NV	40	-5.45	-0.002857	±2.5	PASS
Band2	9538	NV	50	-6.04	-0.003166	±2.5	PASS
Band5	4132	NV	-30	1.92	0.002323	±2.5	PASS
Band5	4132	NV	-20	1.70	0.002057	±2.5	PASS
Band5	4132	NV	-10	1.50	0.001815	±2.5	PASS
Band5	4132	NV	0	1.90	0.002299	±2.5	PASS
Band5	4132	NV	10	1.97	0.002384	±2.5	PASS
Band5	4132	NV	20	1.75	0.002118	±2.5	PASS
Band5	4132	NV	30	2.29	0.002771	±2.5	PASS
Band5	4132	NV	40	2.03	0.002456	±2.5	PASS
Band5	4132	NV	50	1.92	0.002323	±2.5	PASS
Band5	4183	NV	-30	0.08	0.000096	±2.5	PASS
Band5	4183	NV	-20	-0.06	-0.000072	±2.5	PASS
Band5	4183	NV	-10	-0.09	-0.000108	±2.5	PASS
Band5	4183	NV	0	-0.44	-0.000526	±2.5	PASS
Band5	4183	NV	10	0.00	0.000000	±2.5	PASS
Band5	4183	NV	20	-0.12	-0.000143	±2.5	PASS
Band5	4183	NV	30	-0.35	-0.000418	±2.5	PASS
Band5	4183	NV	40	0.06	0.000072	±2.5	PASS
Band5	4183	NV	50	-0.28	-0.000335	±2.5	PASS
Band5	4233	NV	-30	-2.45	-0.002894	±2.5	PASS
Band5	4233	NV	-20	-2.50	-0.002953	±2.5	PASS
Band5	4233	NV	-10	-2.56	-0.003024	±2.5	PASS
Band5	4233	NV	0	-2.14	-0.002528	±2.5	PASS
Band5	4233	NV	10	-2.23	-0.002634	±2.5	PASS
Band5	4233	NV	20	-2.08	-0.002457	±2.5	PASS
Band5	4233	NV	30	-2.17	-0.002563	±2.5	PASS
Band5	4233	NV	40	-2.20	-0.002599	±2.5	PASS
Band5	4233	NV	50	-2.10	-0.002481	±2.5	PASS