

Appendix test data for LTE band 4

Temperature:	25 ° C
Humidity:	44 %
Atmospheric pressure:	950-1050mbar
Test Engineer:	Aaron Tan

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

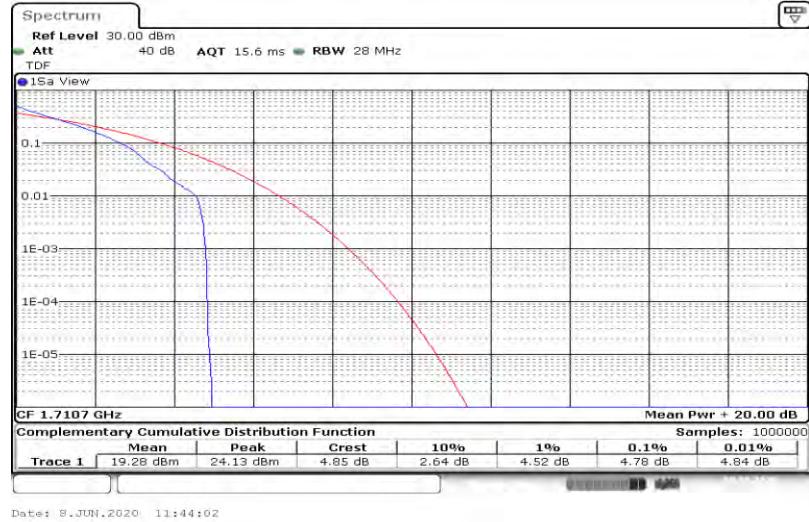
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.78	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.25	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.61	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.01	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.78	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.22	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.86	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.23	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.68	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.94	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.88	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.20	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.28	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.07	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.30	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.23	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.94	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.20	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.28	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.01	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.33	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.17	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.88	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.20	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.30	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.01	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.33	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.14	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.94	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.20	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.36	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.16	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.54	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.17	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.00	13	PASS

Band4	15MHz	16QAM	20325	75RB#0	6.32	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.07	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.96	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.22	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.00	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.91	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.14	13	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



Band4-1.4MHz-QPSK-19957-6RB#0



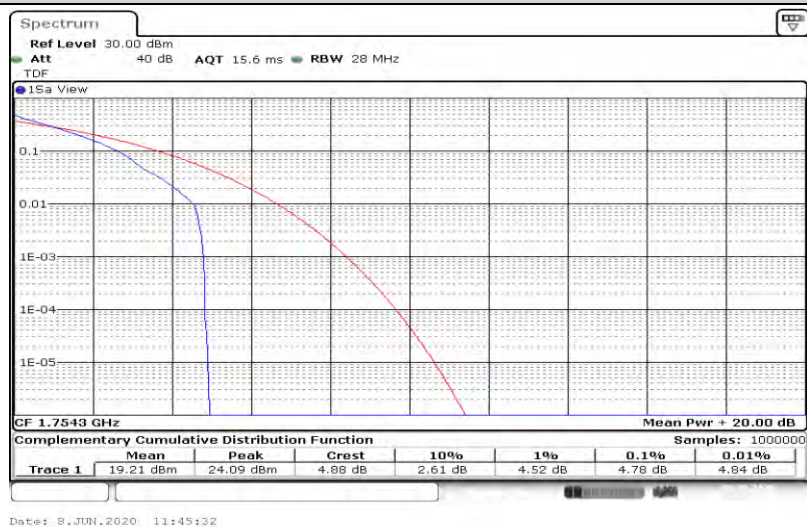
Band4-1.4MHz-QPSK-20175-1RB#0



Band4-1.4MHz-QPSK-20175-6RB#0



Band4-1.4MHz-QPSK-20393-1RB#0



Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-1RB#0



Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20175-1RB#0



Band4-1.4MHz-16QAM-20175-6RB#0



Band4-1.4MHz-16QAM-20393-1RB#0



Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-15RB#0



Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-15RB#0



Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20175-15RB#0



Band4-3MHz-16QAM-20385-15RB#0



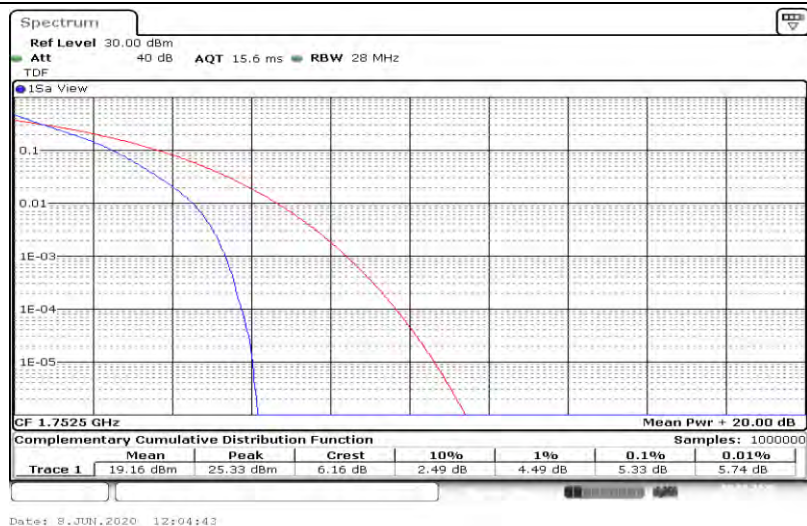
Band4-5MHz-QPSK-19975-25RB#0



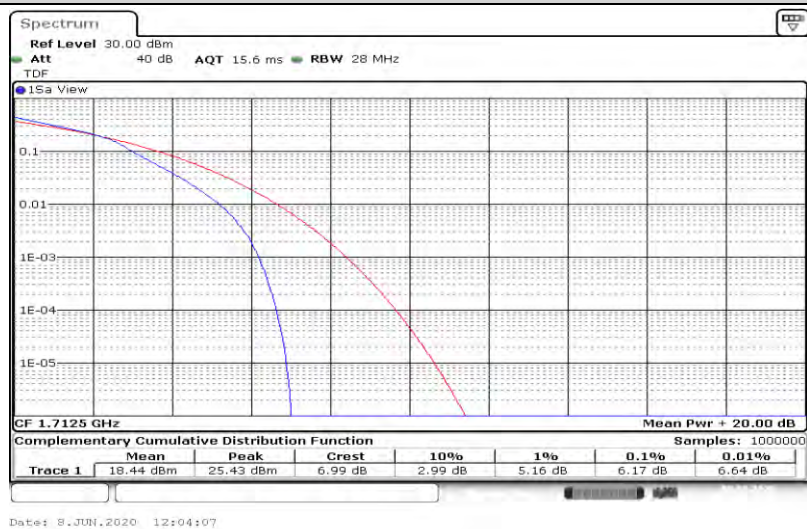
Band4-5MHz-QPSK-20175-25RB#0



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-50RB#0



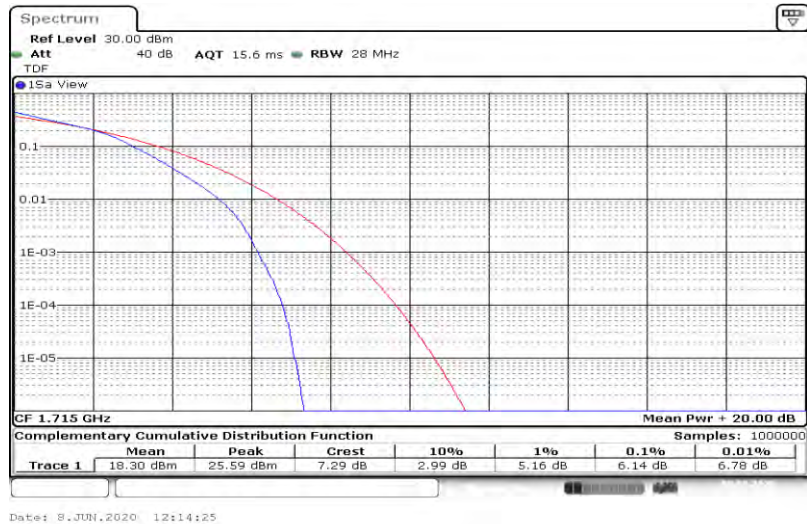
Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20175-50RB#0



Band4-10MHz-16QAM-20350-50RB#0



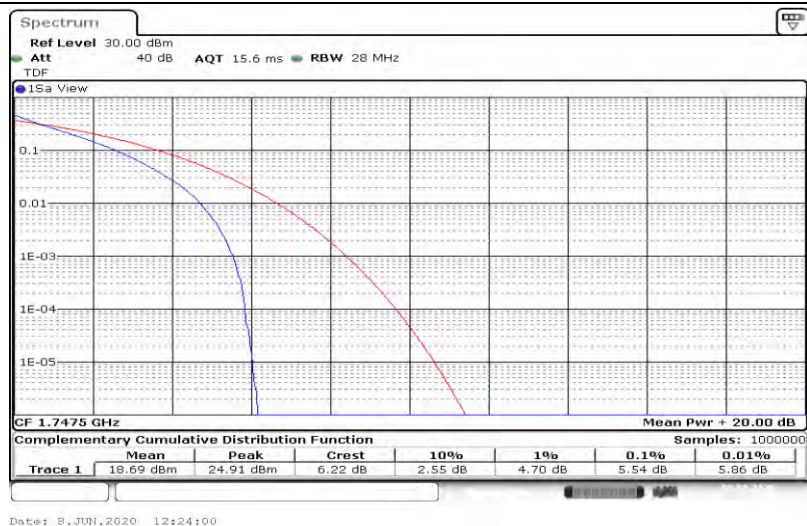
Band4-15MHz-QPSK-20025-75RB#0



Band4-15MHz-QPSK-20175-75RB#0



Band4-15MHz-QPSK-20325-75RB#0



Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20175-75RB#0

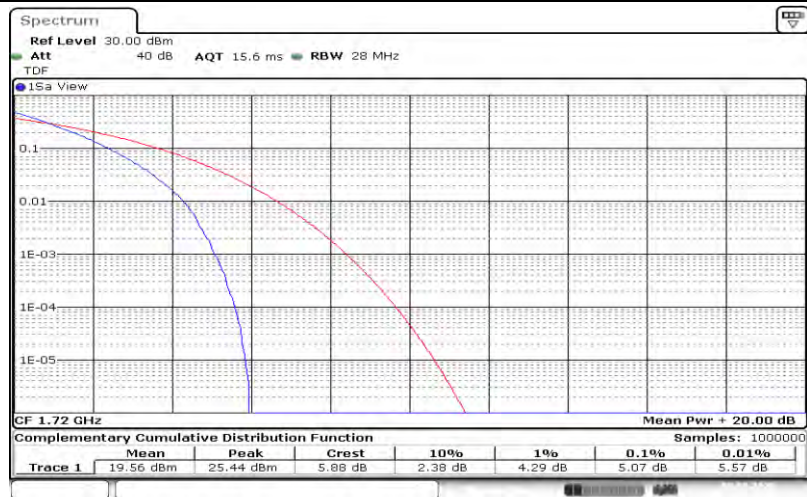


Band4-15MHz-16QAM-20325-75RB#0



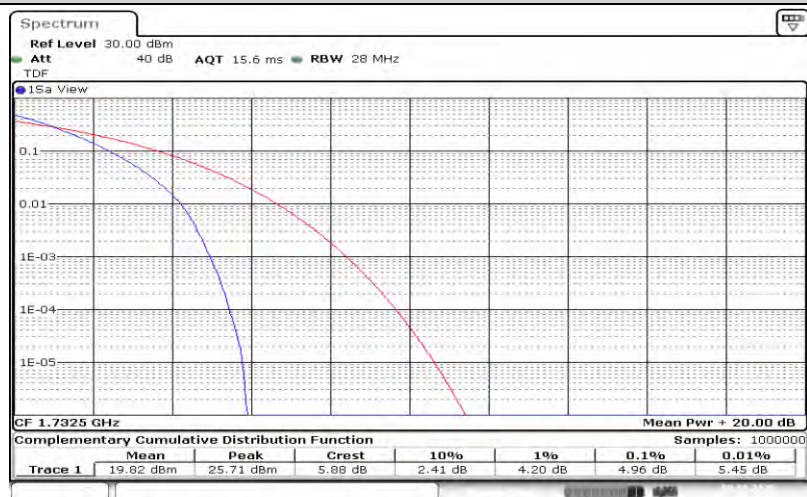
Date: 8 JUN 2020 12:24:10

Band4-20MHz-QPSK-20050-100RB#0



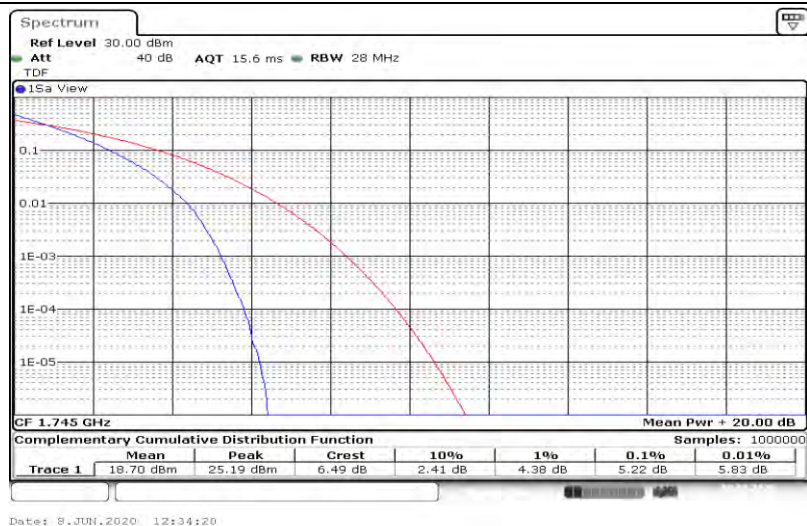
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Band4-20MHz-QPSK-20175-100RB#0



Date: 8 JUN 2020 12:33:57

Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

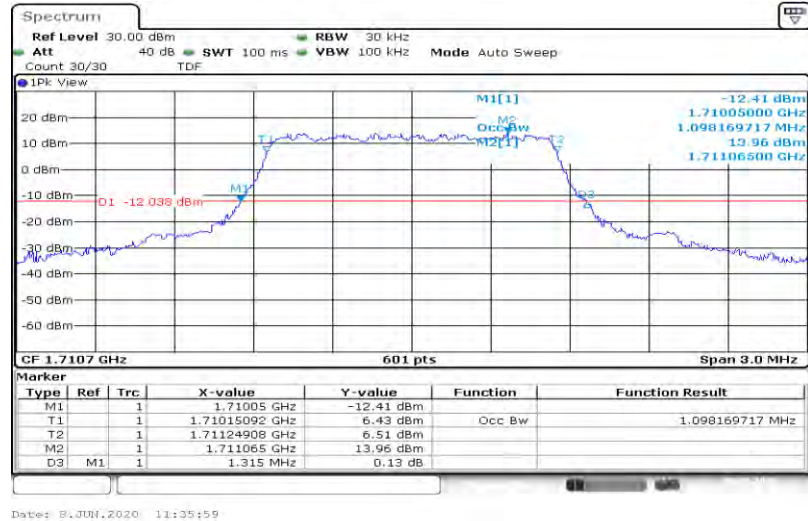
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.098	1.315	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.098	1.315	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.098	1.310	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.315	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.103	1.325	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.098	1.335	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.705	3.000	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	2.990	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.705	2.990	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.696	3.000	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.696	3.000	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	2.990	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.525	5.050	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.505	5.030	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.515	5.050	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.515	5.020	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.515	5.080	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.515	5.020	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.018	10.000	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.985	10.033	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.018	10.033	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.018	9.933	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.985	9.933	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.985	9.933	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.527	14.950	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.478	14.900	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.527	15.000	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.527	14.900	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.478	14.900	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.478	14.850	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.037	19.867	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.037	19.933	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.037	19.800	PASS

Band4	20MHz	16QAM	20050	100RB#0	18.103	19.867	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.97	19.733	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.103	19.800	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0-1.098



Band4-1.4MHz-QPSK-20175-6RB#0-1.098

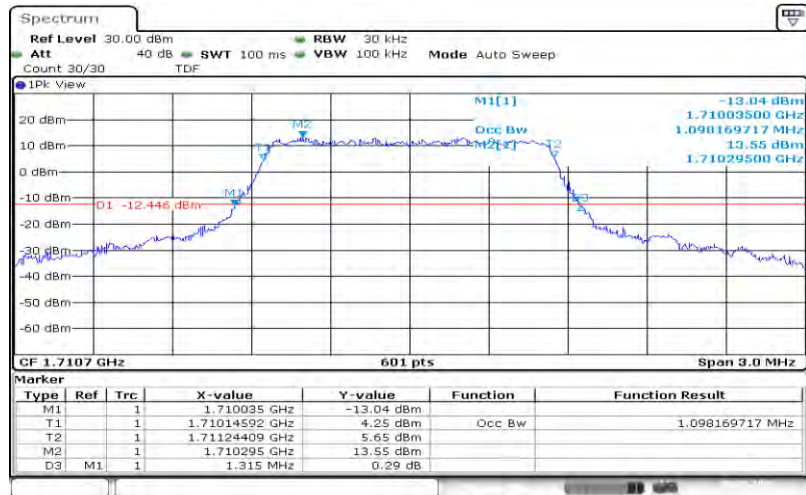


Band4-1.4MHz-QPSK-20393-6RB#0-1.098



Date: 8 JUN 2020 11:37:18

Band4-1.4MHz-16QAM-19957-6RB#0-1.098



Date: 8 JUN 2020 11:36:11

Band4-1.4MHz-16QAM-20175-6RB#0-1.103

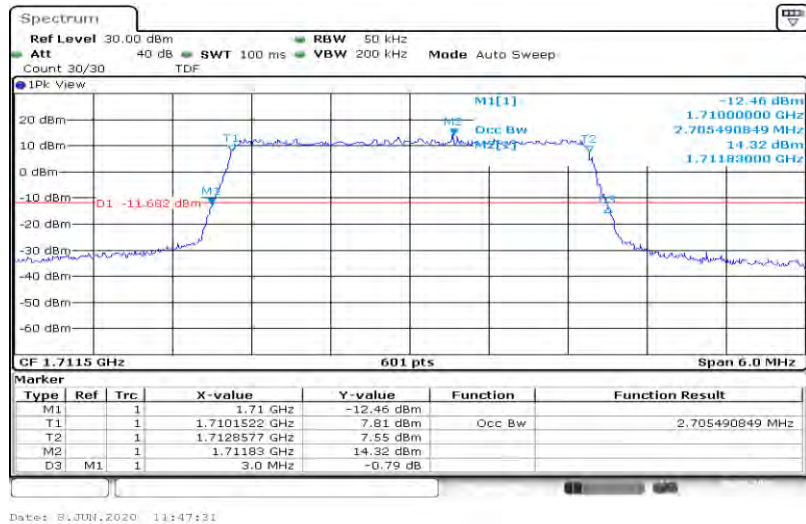


Date: 8 JUN 2020 11:37:03

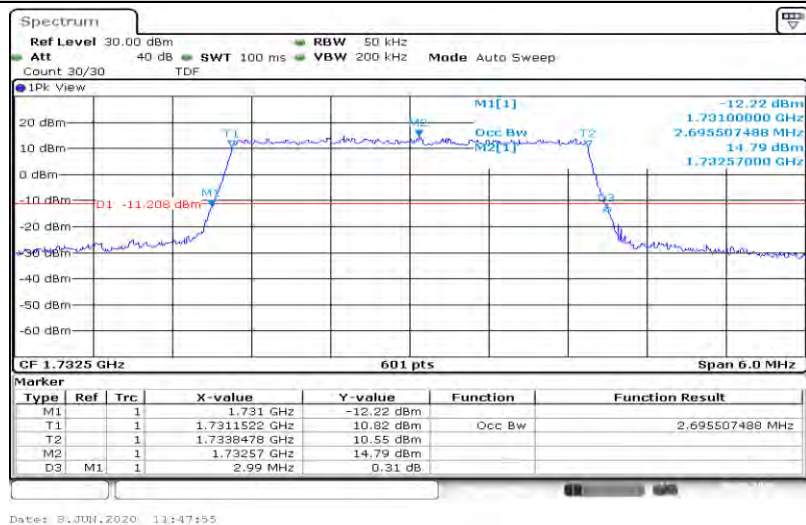
Band4-1.4MHz-16QAM-20393-6RB#0-1.098



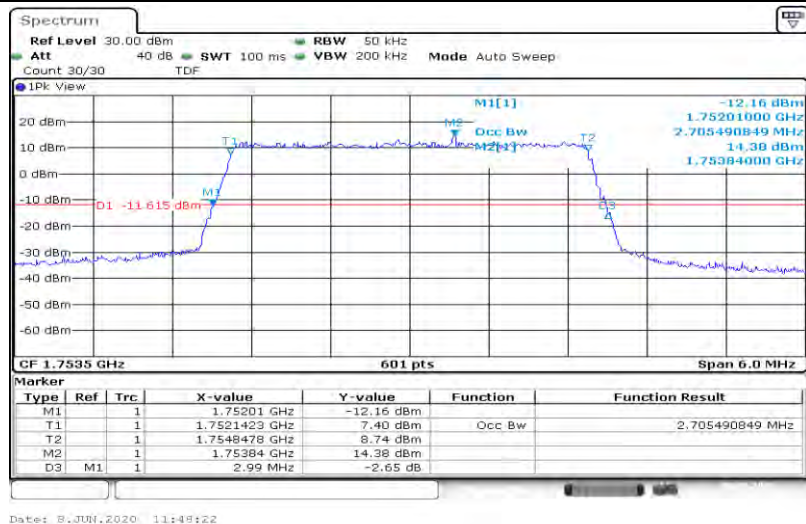
Band4-3MHz-QPSK-19965-15RB#0-2.705



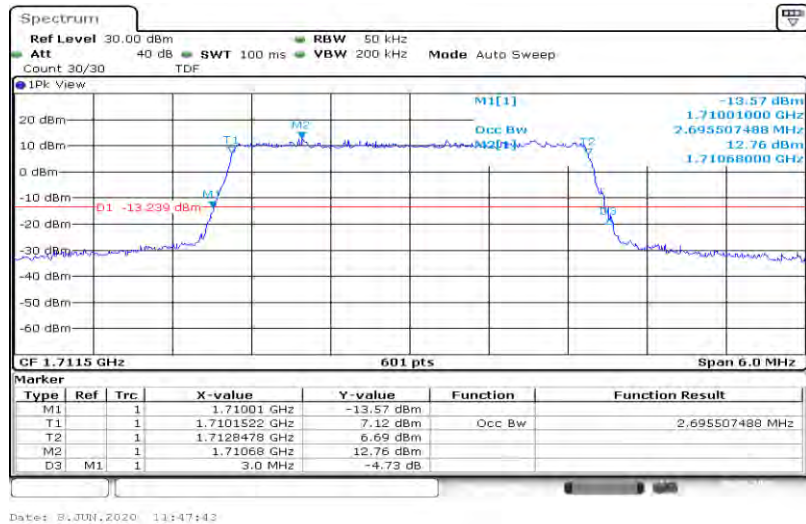
Band4-3MHz-QPSK-20175-15RB#0-2.696



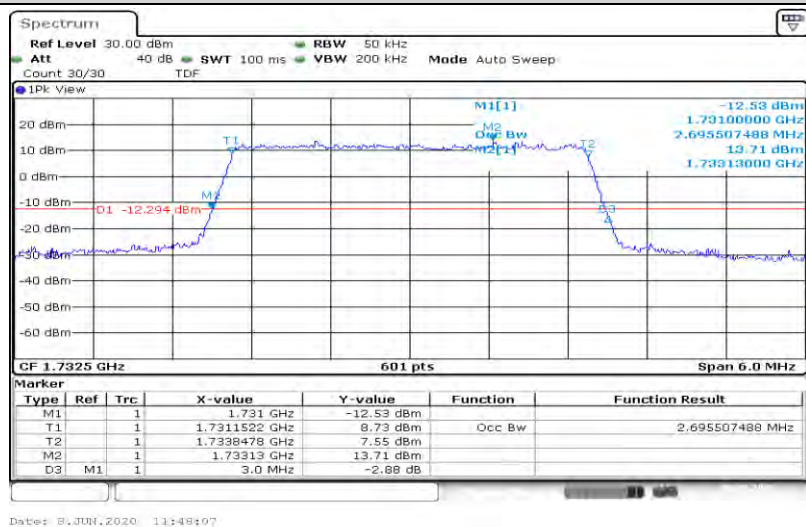
Band4-3MHz-QPSK-20385-15RB#0-2.705



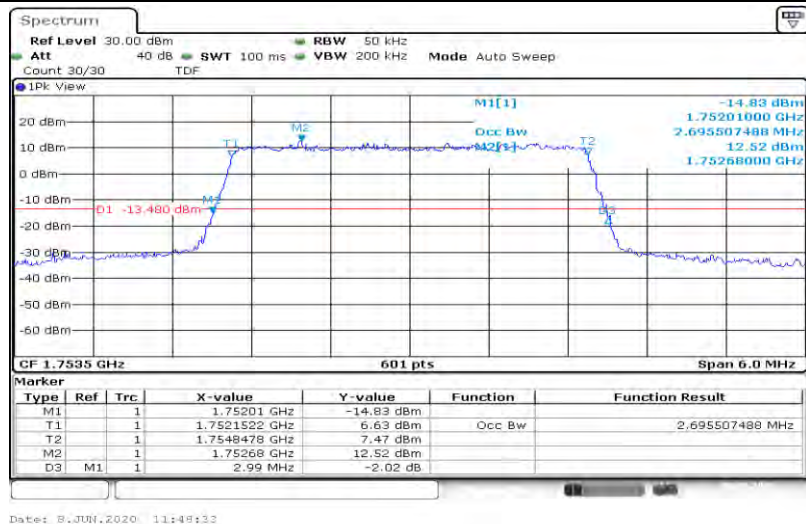
Band4-3MHz-16QAM-19965-15RB#0-2.696



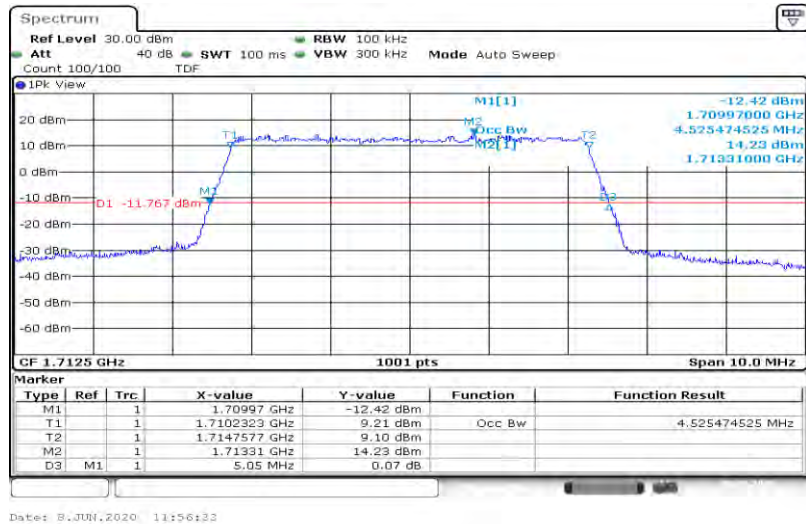
Band4-3MHz-16QAM-20175-15RB#0-2.696



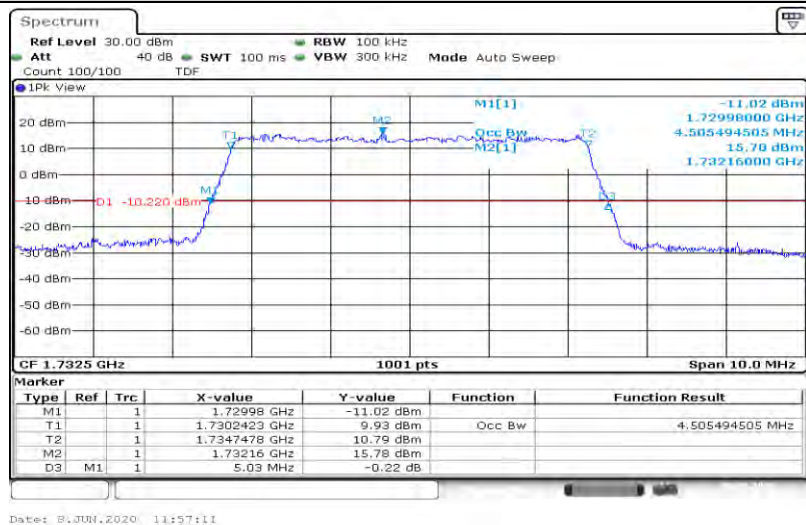
Band4-3MHz-16QAM-20385-15RB#0-2.696



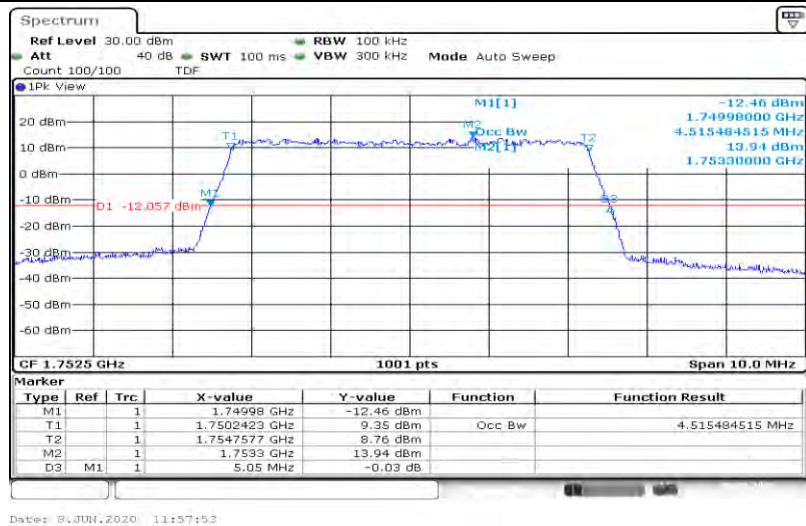
Band4-5MHz-QPSK-19975-25RB#0-4.525



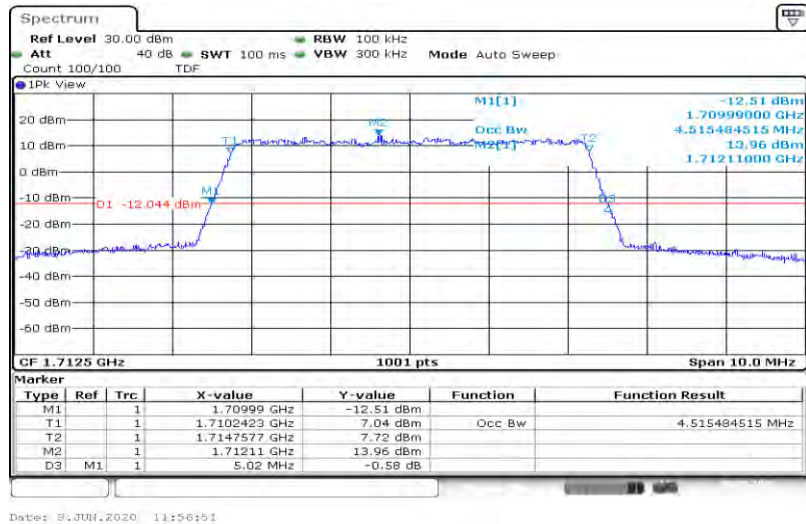
Band4-5MHz-QPSK-20175-25RB#0-4.505



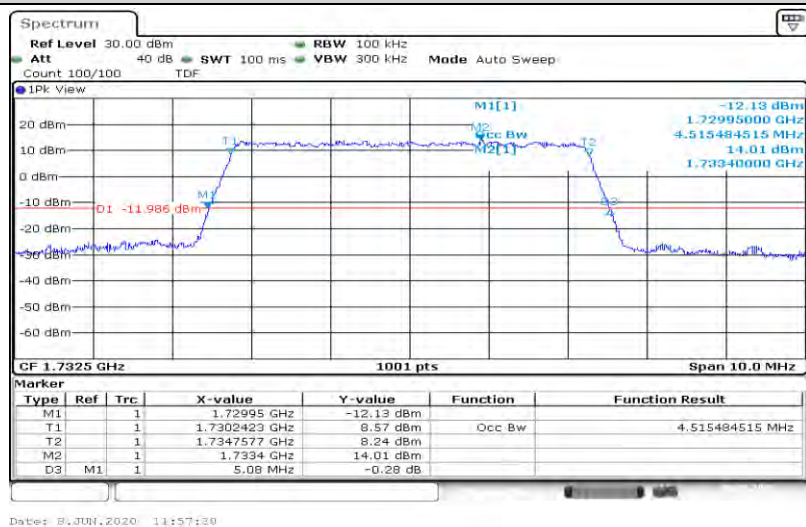
Band4-5MHz-QPSK-20375-25RB#0-4.515



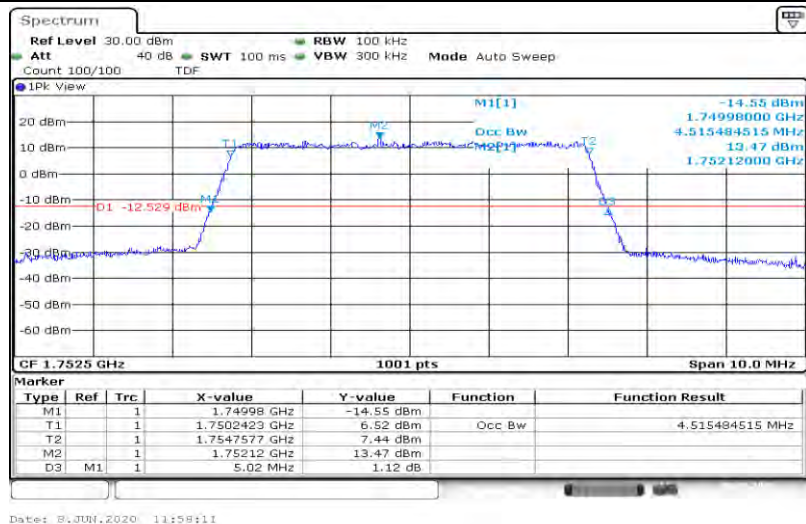
Band4-5MHz-16QAM-19975-25RB#0-4.515



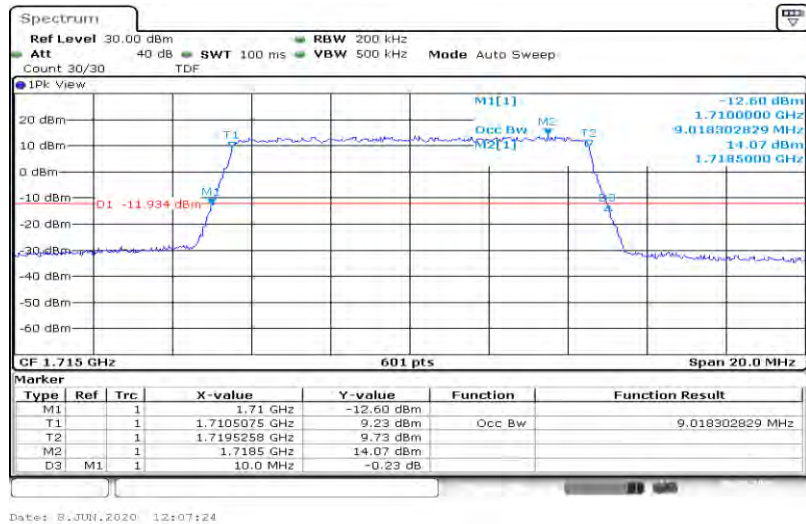
Band4-5MHz-16QAM-20175-25RB#0-4.515



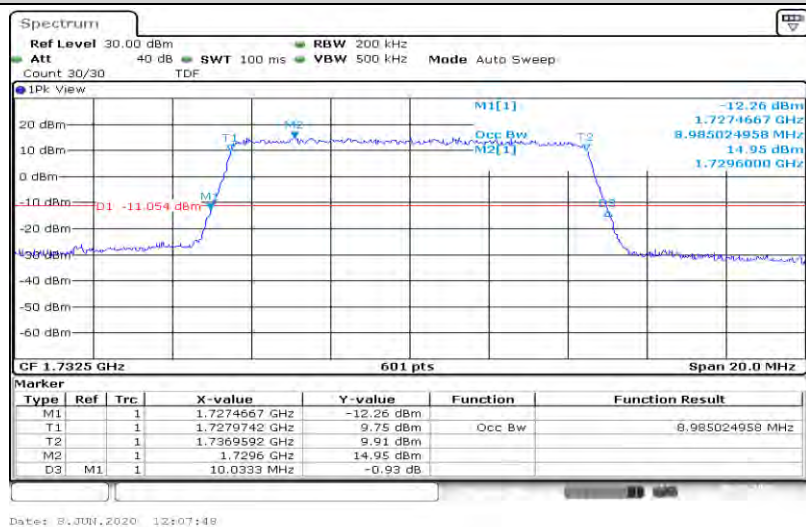
Band4-5MHz-16QAM-20375-25RB#0-4.515



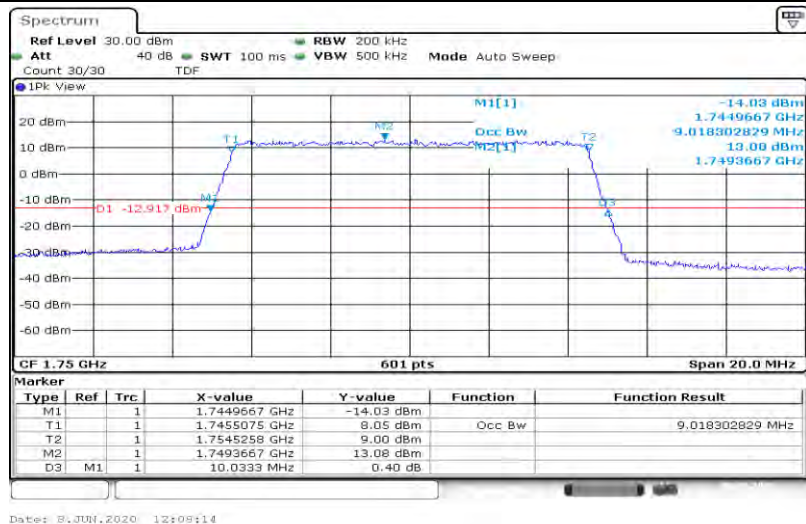
Band4-10MHz-QPSK-20000-50RB#0-9.018



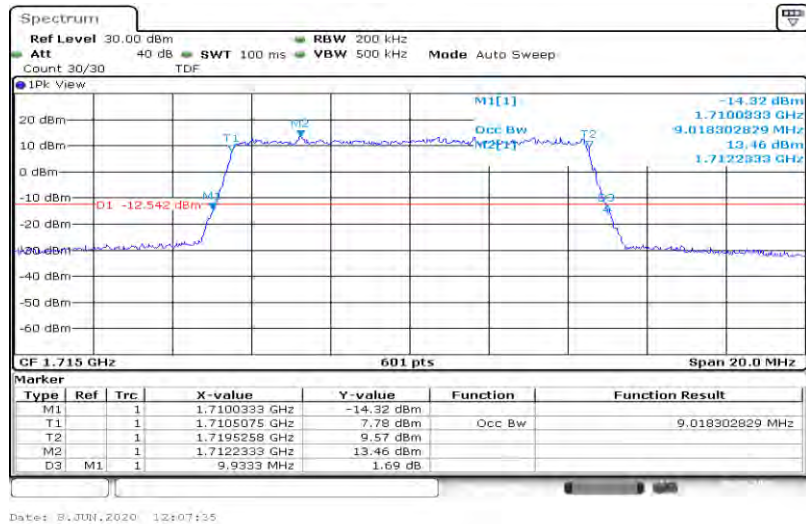
Band4-10MHz-QPSK-20175-50RB#0-8.985



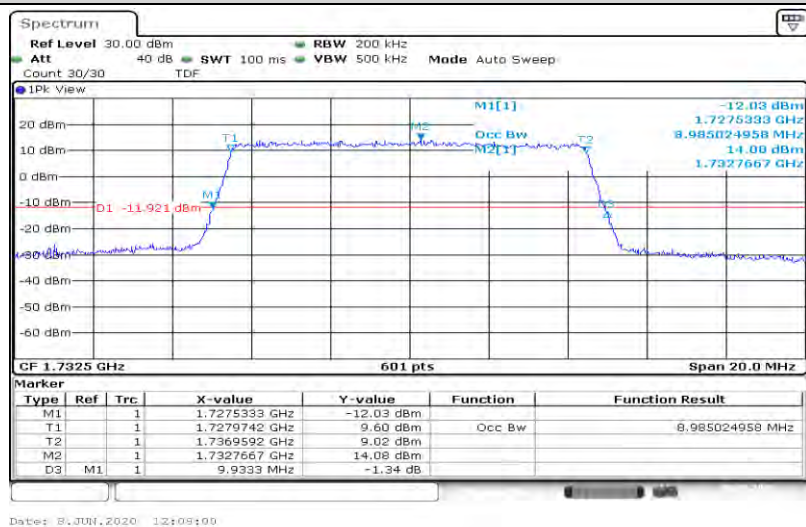
Band4-10MHz-QPSK-20350-50RB#0-9.018



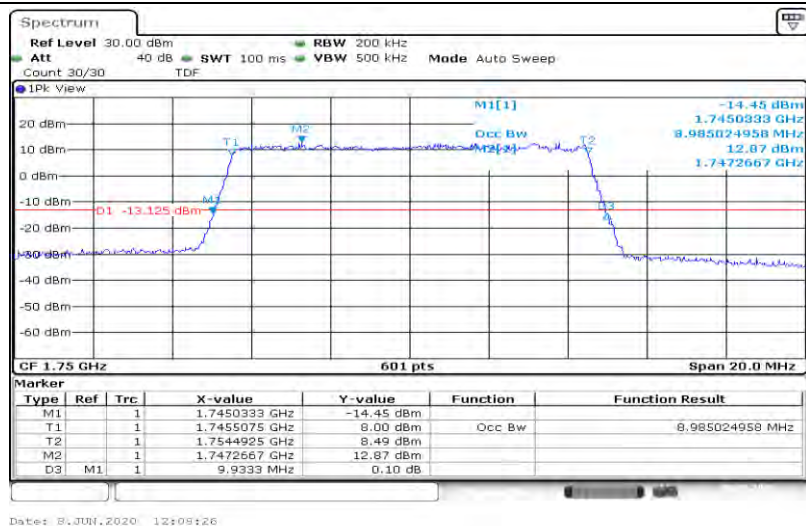
Band4-10MHz-16QAM-20000-50RB#0-9.018



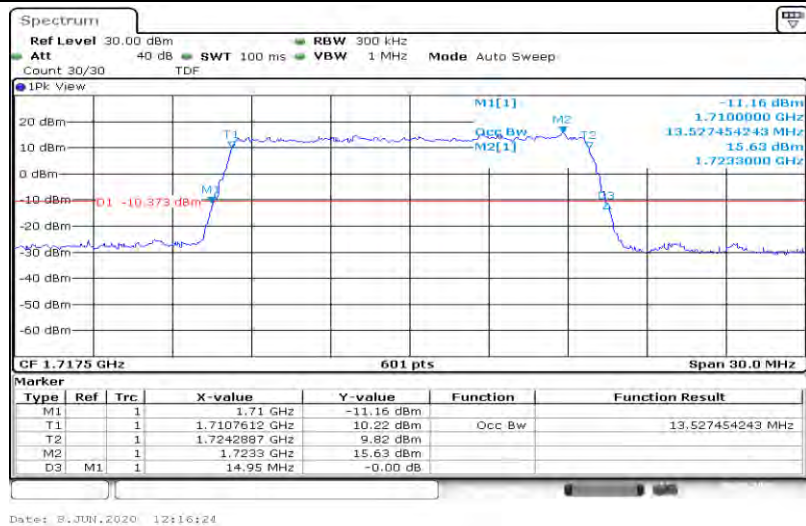
Band4-10MHz-16QAM-20175-50RB#0-8.985



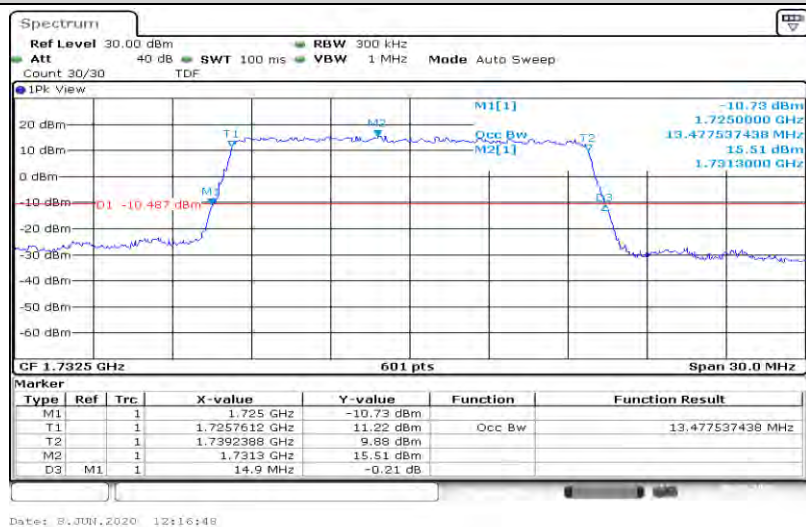
Band4-10MHz-16QAM-20350-50RB#0-8.985



Band4-15MHz-QPSK-20025-75RB#0-13.527



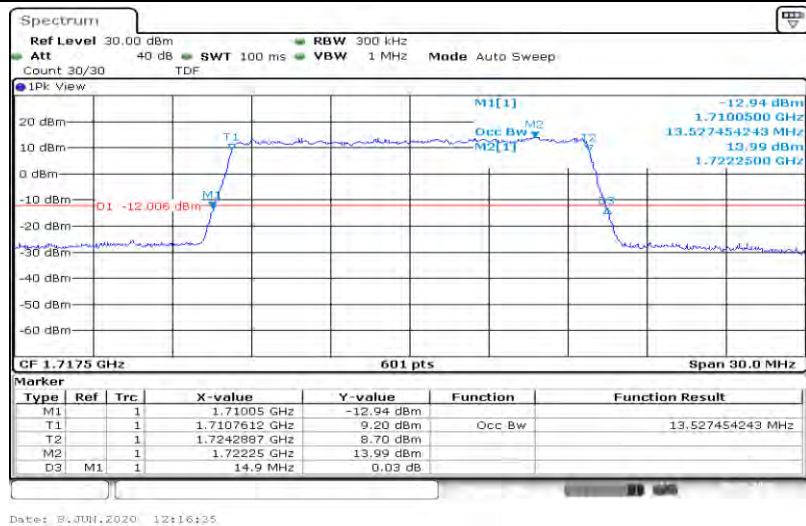
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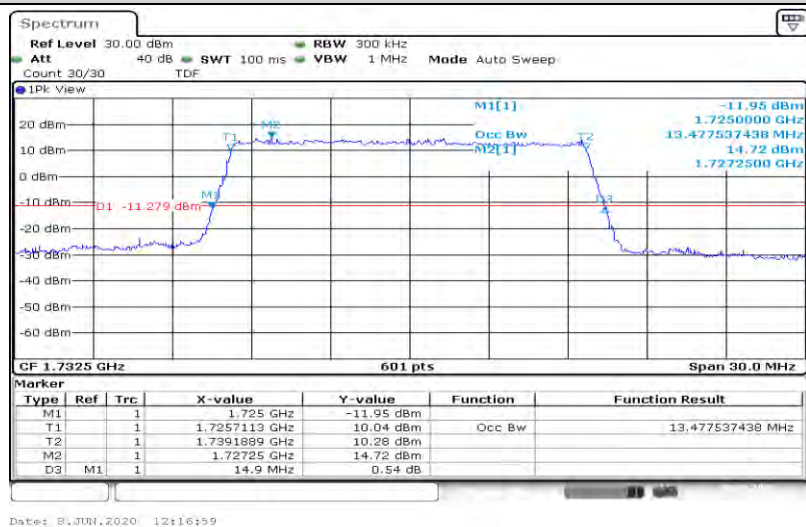
Band4-15MHz-QPSK-20325-75RB#0-13.527



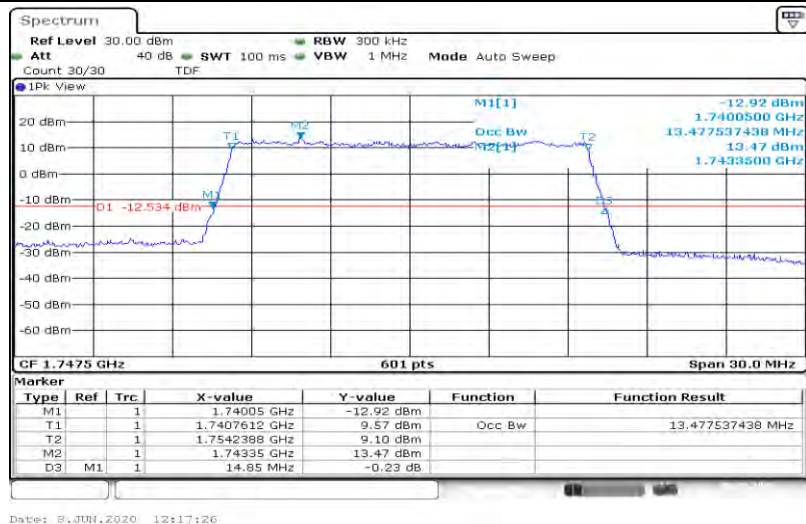
Band4-15MHz-16QAM-20025-75RB#0-13.527



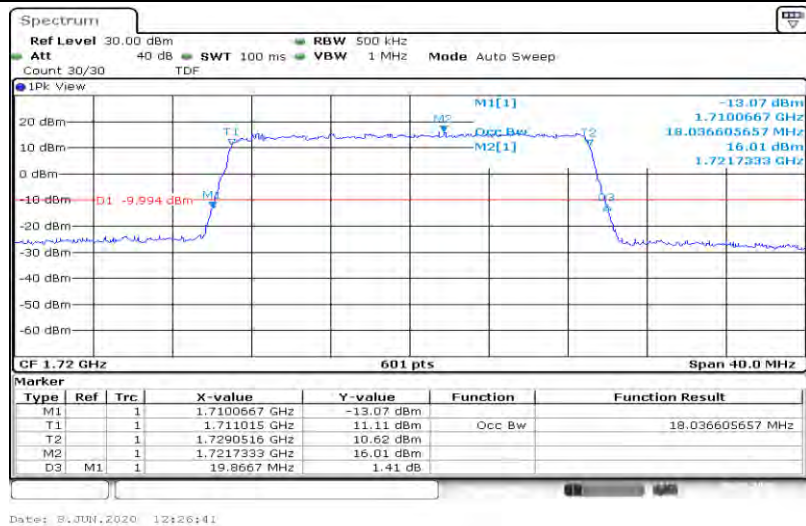
Band4-15MHz-16QAM-20175-75RB#0-13.478



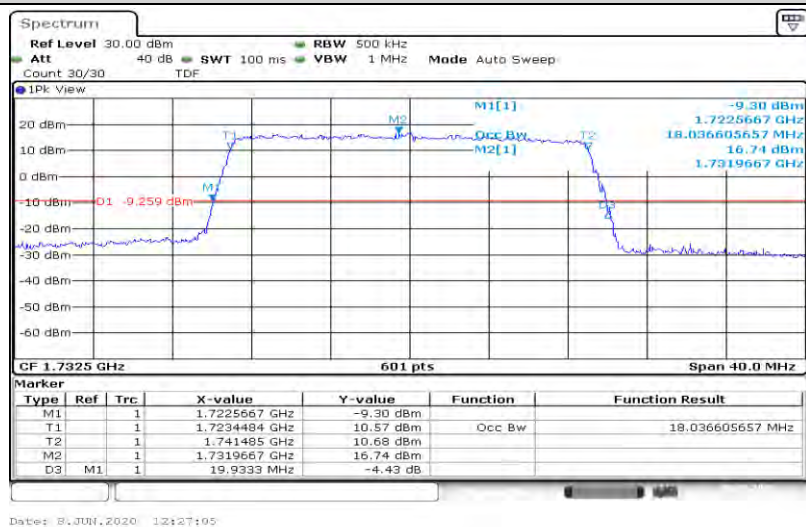
Band4-15MHz-16QAM-20325-75RB#0-13.478



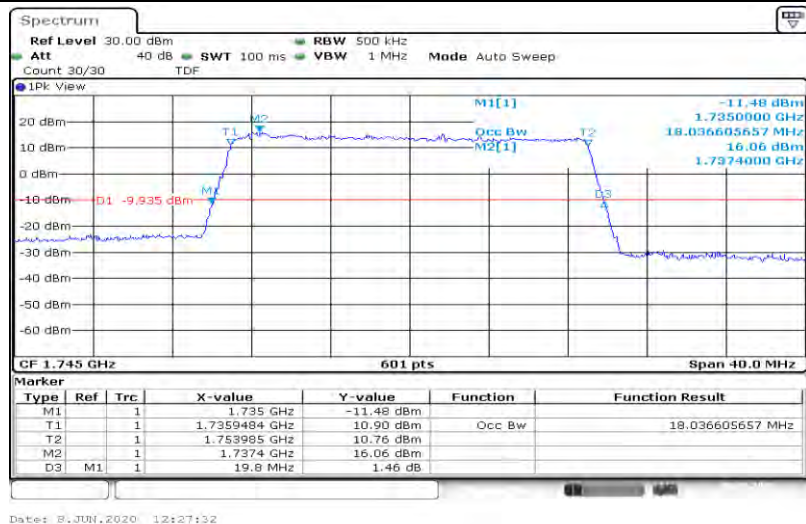
Band4-20MHz-QPSK-20050-100RB#0-18.037



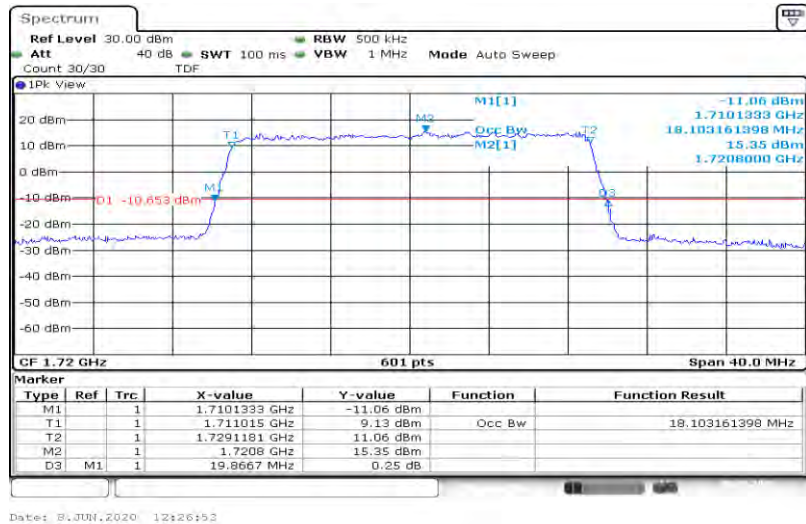
Band4-20MHz-QPSK-20175-100RB#0-18.037



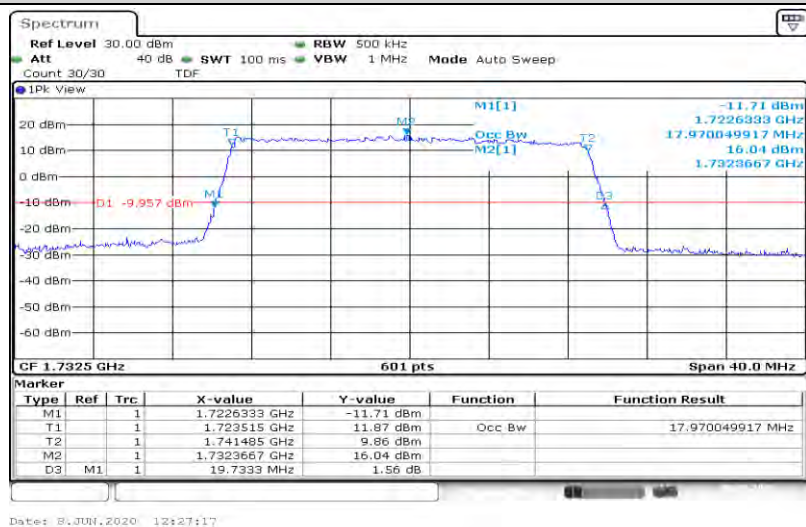
Band4-20MHz-QPSK-20300-100RB#0-18.037



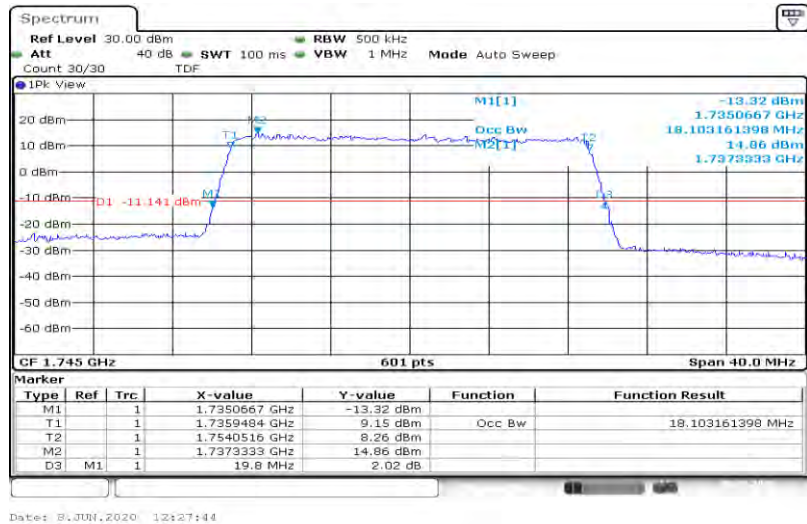
Band4-20MHz-16QAM-20050-100RB#0-18.103



Band4-20MHz-16QAM-20175-100RB#0-17.97



Band4-20MHz-16QAM-20300-100RB#0-18.103



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-25.66	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.20	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-25.36	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-26.67	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.36	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.73	PASS
Band4	3MHz	16QAM	19965	15RB#0	-27.72	PASS
Band4	3MHz	16QAM	20385	15RB#0	-28.25	PASS
Band4	5MHz	QPSK	19975	25RB#0	-28.29	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.36	PASS
Band4	5MHz	16QAM	19975	25RB#0	-29.54	PASS
Band4	5MHz	16QAM	20375	25RB#0	-30.92	PASS
Band4	10MHz	QPSK	20000	50RB#0	-32.54	PASS
Band4	10MHz	QPSK	20350	50RB#0	-34.18	PASS
Band4	10MHz	16QAM	20000	50RB#0	-33.47	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.16	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.61	PASS
Band4	15MHz	QPSK	20325	75RB#0	-34.21	PASS
Band4	15MHz	16QAM	20025	75RB#0	-34.35	PASS
Band4	15MHz	16QAM	20325	75RB#0	-36.45	PASS
Band4	20MHz	QPSK	20050	100RB#0	-32.98	PASS
Band4	20MHz	QPSK	20300	100RB#0	-36.27	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.92	PASS
Band4	20MHz	16QAM	20300	100RB#0	-37.00	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-6RB#0

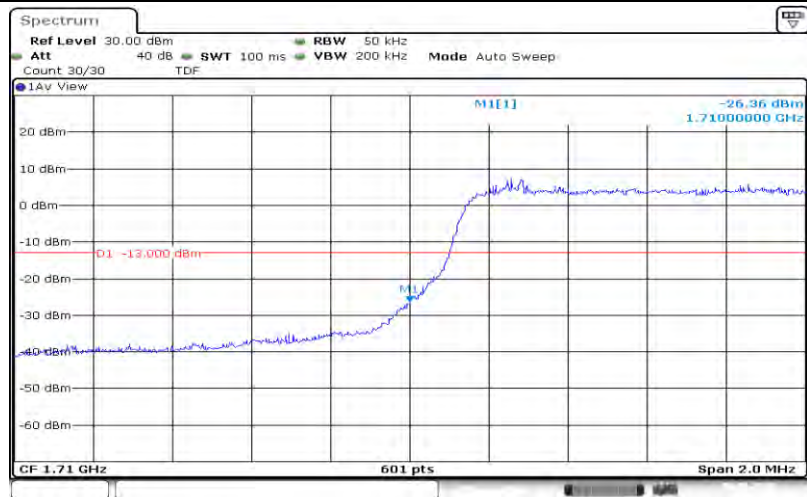


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Dates: 8 JUN 2020 17:10:43

Band4-3MHz-QPSK-19965-15RB#0



Dates: 8 JUN 2020 11:49:00

Band4-3MHz-QPSK-20385-15RB#0



Dates: 8 JUN 2020 11:49:25

Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-50RB#0



Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20350-50RB#0



Band4-15MHz-QPSK-20025-75RB#0



Band4-15MHz-QPSK-20325-75RB#0



Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20325-75RB#0



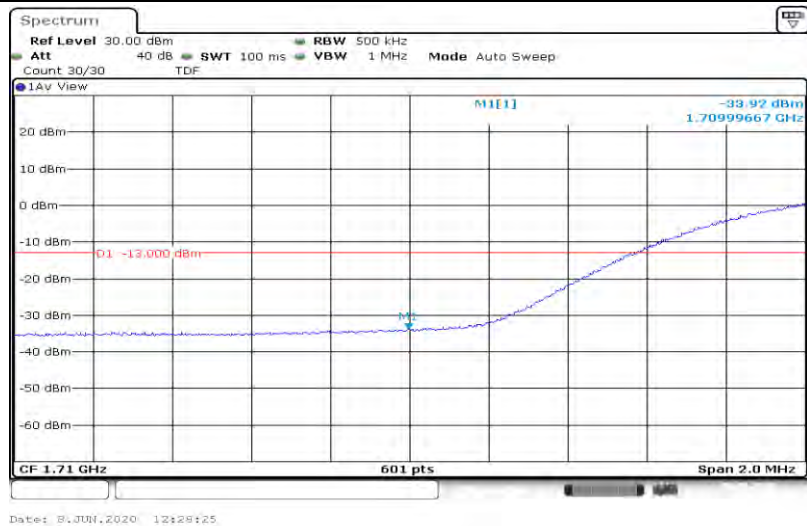
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Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band 4	1.4MHz	QPSK	19957	6RB#0	Range1:30~1000MHz	-32.52	PASS
Band 4	1.4MHz	QPSK	19957	6RB#0	Range2:1000~2000MHz	-33.55	PASS
Band 4	1.4MHz	QPSK	19957	6RB#0	Range3:2000~20000MHz	-25.26	PASS
Band 4	1.4MHz	QPSK	20175	6RB#0	Range1:30~1000MHz	-31.25	PASS
Band 4	1.4MHz	QPSK	20175	6RB#0	Range2:1000~2000MHz	-33.3	PASS
Band 4	1.4MHz	QPSK	20175	6RB#0	Range3:2000~20000MHz	-20.52	PASS
Band 4	1.4MHz	QPSK	20393	6RB#0	Range1:30~1000MHz	-32.35	PASS
Band 4	1.4MHz	QPSK	20393	6RB#0	Range2:1000~2000MHz	-33.72	PASS
Band 4	1.4MHz	QPSK	20393	6RB#0	Range3:2000~20000MHz	-23.57	PASS
Band 4	1.4MHz	16QAM	19957	6RB#0	Range1:30~1000MHz	-32.27	PASS
Band 4	1.4MHz	16QAM	19957	6RB#0	Range2:1000~2000MHz	-33.81	PASS
Band 4	1.4MHz	16QAM	19957	6RB#0	Range3:2000~20000MHz	-25.76	PASS
Band 4	1.4MHz	16QAM	20175	6RB#0	Range1:30~1000MHz	-32.61	PASS
Band 4	1.4MHz	16QAM	20175	6RB#0	Range2:1000~2000MHz	-33.9	PASS
Band 4	1.4MHz	16QAM	20175	6RB#0	Range3:2000~20000MHz	-22.39	PASS
Band 4	1.4MHz	16QAM	20393	6RB#0	Range1:30~1000MHz	-31.84	PASS
Band 4	1.4MHz	16QAM	20393	6RB#0	Range2:1000~2000MHz	-33.4	PASS
Band 4	1.4MHz	16QAM	20393	6RB#0	Range3:2000~20000MHz	-23.5	PASS

4					Hz	8	
Band 4	3MHz	QPSK	19965	15RB#0	Range1:30~1000MHz	-32.29	PASS
Band 4	3MHz	QPSK	19965	15RB#0	Range2:1000~2000MHz	-34.38	PASS
Band 4	3MHz	QPSK	19965	15RB#0	Range3:2000~20000MHz	-29.27	PASS
Band 4	3MHz	QPSK	20175	15RB#0	Range1:30~1000MHz	-31.56	PASS
Band 4	3MHz	QPSK	20175	15RB#0	Range2:1000~2000MHz	-33.39	PASS
Band 4	3MHz	QPSK	20175	15RB#0	Range3:2000~20000MHz	-24.22	PASS
Band 4	3MHz	QPSK	20385	15RB#0	Range1:30~1000MHz	-33.02	PASS
Band 4	3MHz	QPSK	20385	15RB#0	Range2:1000~2000MHz	-33.8	PASS
Band 4	3MHz	QPSK	20385	15RB#0	Range3:2000~20000MHz	-28.08	PASS
Band 4	3MHz	16QAM	19965	15RB#0	Range1:30~1000MHz	-31.92	PASS
Band 4	3MHz	16QAM	19965	15RB#0	Range2:1000~2000MHz	-33.88	PASS
Band 4	3MHz	16QAM	19965	15RB#0	Range3:2000~20000MHz	-28.35	PASS
Band 4	3MHz	16QAM	20175	15RB#0	Range1:30~1000MHz	-31.57	PASS
Band 4	3MHz	16QAM	20175	15RB#0	Range2:1000~2000MHz	-33.5	PASS
Band 4	3MHz	16QAM	20175	15RB#0	Range3:2000~20000MHz	-24.78	PASS
Band 4	3MHz	16QAM	20385	15RB#0	Range1:30~1000MHz	-32.38	PASS
Band 4	3MHz	16QAM	20385	15RB#0	Range2:1000~2000MHz	-34.11	PASS
Band 4	3MHz	16QAM	20385	15RB#0	Range3:2000~20000MHz	-26.55	PASS
Band 4	5MHz	QPSK	19975	25RB#0	Range1:30~1000MHz	-32.69	PASS
Band 4	5MHz	QPSK	19975	25RB#0	Range2:1000~2000MHz	-33.5	PASS
Band 4	5MHz	QPSK	19975	25RB#0	Range3:2000~20000MHz	-32.97	PASS

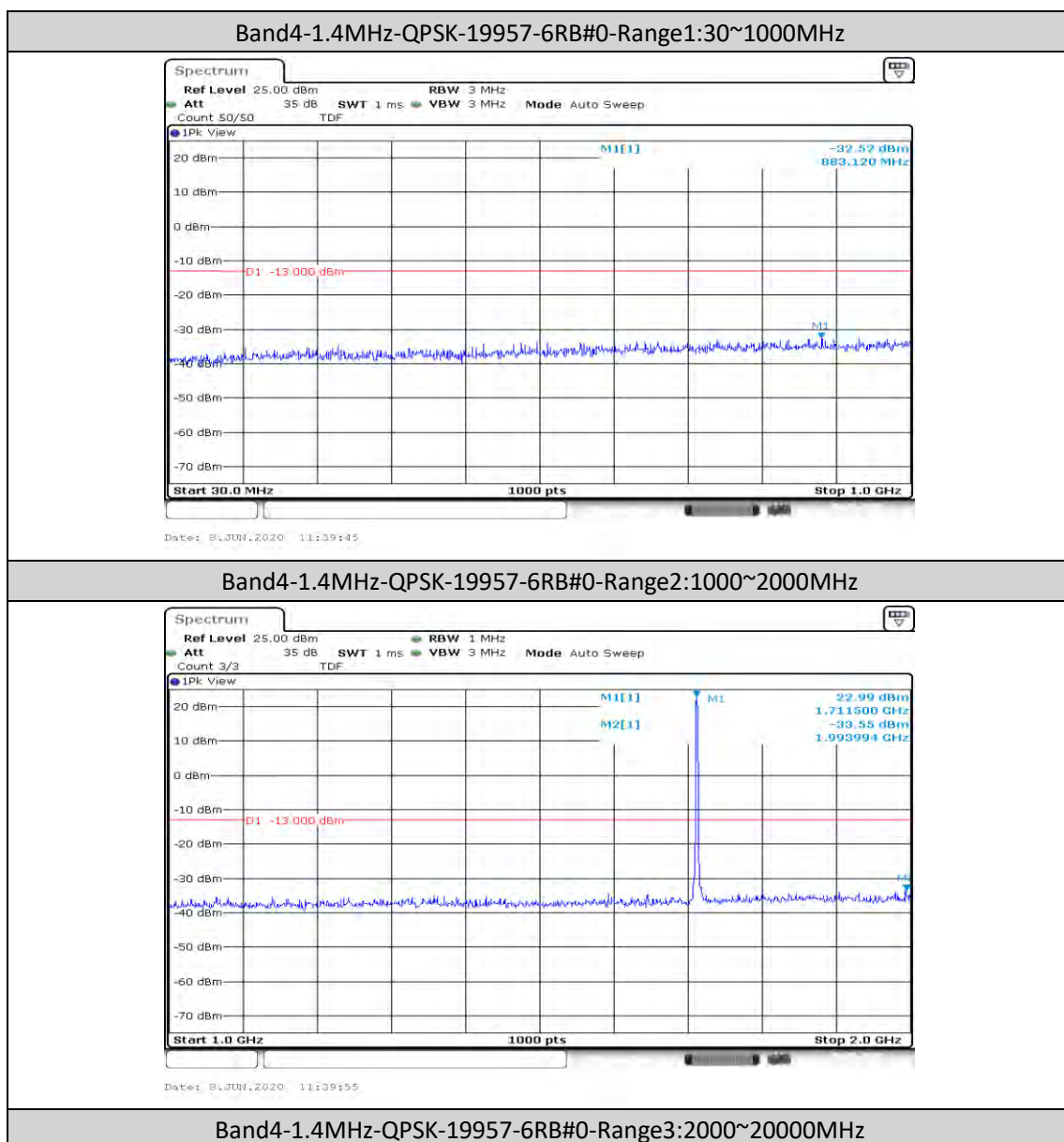
Band 4	5MHz	QPSK	20175	25RB#0	Range1:30~1000MHz	-32.4	PASS
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Band 4	5MHz	QPSK	20175	25RB#0	Range3:2000~20000MHz	-27.68	PASS
Band 4	5MHz	QPSK	20375	25RB#0	Range1:30~1000MHz	-32.01	PASS
Band 4	5MHz	QPSK	20375	25RB#0	Range2:1000~2000MHz	-33.2	PASS
Band 4	5MHz	QPSK	20375	25RB#0	Range3:2000~20000MHz	-31.03	PASS
Band 4	5MHz	16QAM	19975	25RB#0	Range1:30~1000MHz	-31.99	PASS
Band 4	5MHz	16QAM	19975	25RB#0	Range2:1000~2000MHz	-33.65	PASS
Band 4	5MHz	16QAM	19975	25RB#0	Range3:2000~20000MHz	-31.54	PASS
Band 4	5MHz	16QAM	20175	25RB#0	Range1:30~1000MHz	-31.41	PASS
Band 4	5MHz	16QAM	20175	25RB#0	Range2:1000~2000MHz	-33.77	PASS
Band 4	5MHz	16QAM	20175	25RB#0	Range3:2000~20000MHz	-27.43	PASS
Band 4	5MHz	16QAM	20375	25RB#0	Range1:30~1000MHz	-32.65	PASS
Band 4	5MHz	16QAM	20375	25RB#0	Range2:1000~2000MHz	-33.63	PASS
Band 4	5MHz	16QAM	20375	25RB#0	Range3:2000~20000MHz	-30.69	PASS
Band 4	10MHz	QPSK	20000	50RB#0	Range1:30~1000MHz	-32.49	PASS
Band 4	10MHz	QPSK	20000	50RB#0	Range2:1000~2000MHz	-33.27	PASS
Band 4	10MHz	QPSK	20000	50RB#0	Range3:2000~20000MHz	-35.01	PASS
Band 4	10MHz	QPSK	20175	50RB#0	Range1:30~1000MHz	-31.88	PASS
Band 4	10MHz	QPSK	20175	50RB#0	Range2:1000~2000MHz	-33.99	PASS
Band 4	10MHz	QPSK	20175	50RB#0	Range3:2000~20000MHz	-31.84	PASS
Band 4	10MHz	QPSK	20350	50RB#0	Range1:30~1000MHz	-32.3	PASS

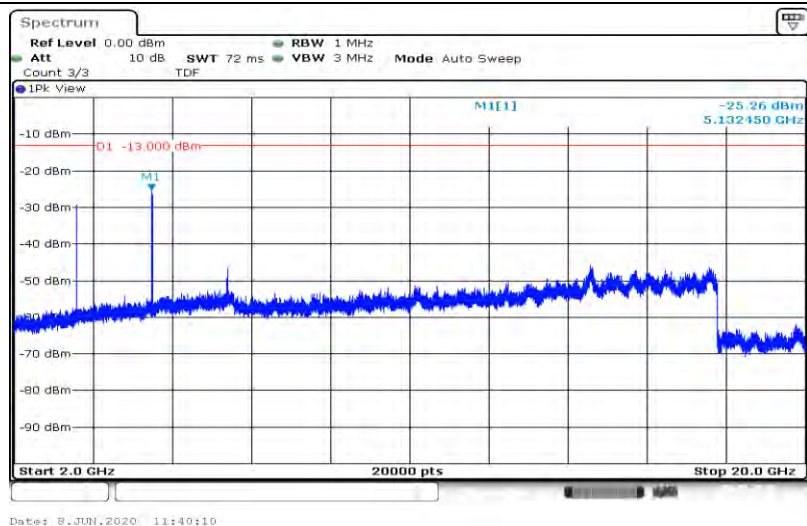
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Band 4	10MHz	16QAM	20000	50RB#0	Range1:30~1000MHz	-31.13	PASS
Band 4	10MHz	16QAM	20000	50RB#0	Range2:1000~2000MHz	-33.69	PASS
Band 4	10MHz	16QAM	20000	50RB#0	Range3:2000~20000MHz	-34.87	PASS
Band 4	10MHz	16QAM	20175	50RB#0	Range1:30~1000MHz	-31.94	PASS
Band 4	10MHz	16QAM	20175	50RB#0	Range2:1000~2000MHz	-33.85	PASS
Band 4	10MHz	16QAM	20175	50RB#0	Range3:2000~20000MHz	-31.67	PASS
Band 4	10MHz	16QAM	20350	50RB#0	Range1:30~1000MHz	-32.23	PASS
Band 4	10MHz	16QAM	20350	50RB#0	Range2:1000~2000MHz	-33.94	PASS
Band 4	10MHz	16QAM	20350	50RB#0	Range3:2000~20000MHz	-32.88	PASS
Band 4	15MHz	QPSK	20025	75RB#0	Range1:30~1000MHz	-32.33	PASS
Band 4	15MHz	QPSK	20025	75RB#0	Range2:1000~2000MHz	-33.64	PASS
Band 4	15MHz	QPSK	20025	75RB#0	Range3:2000~20000MHz	-33.64	PASS
Band 4	15MHz	QPSK	20175	75RB#0	Range1:30~1000MHz	-32	PASS
Band 4	15MHz	QPSK	20175	75RB#0	Range2:1000~2000MHz	-34.34	PASS
Band 4	15MHz	QPSK	20175	75RB#0	Range3:2000~20000MHz	-33.21	PASS
Band 4	15MHz	QPSK	20325	75RB#0	Range1:30~1000MHz	-32.67	PASS
Band 4	15MHz	QPSK	20325	75RB#0	Range2:1000~2000MHz	-33.76	PASS
Band 4	15MHz	QPSK	20325	75RB#0	Range3:2000~20000MHz	-36.36	PASS
Band 4	15MHz	16QAM	20025	75RB#0	Range1:30~1000MHz	-31.9	PASS
Band 4	15MHz	16QAM	20025	75RB#0	Range2:1000~2000MHz	-33.69	PASS

Band 4	15MHz	16QAM	20025	75RB#0	Range3:2000~20000MHz	-35.07	PASS
Band 4	15MHz	16QAM	20175	75RB#0	Range1:30~1000MHz	-32.1	PASS
Band 4	15MHz	16QAM	20175	75RB#0	Range2:1000~2000MHz	-33.95	PASS
Band 4	15MHz	16QAM	20175	75RB#0	Range3:2000~20000MHz	-33.44	PASS
Band 4	15MHz	16QAM	20325	75RB#0	Range1:30~1000MHz	-32.31	PASS
Band 4	15MHz	16QAM	20325	75RB#0	Range2:1000~2000MHz	-34.13	PASS
Band 4	15MHz	16QAM	20325	75RB#0	Range3:2000~20000MHz	-34.33	PASS
Band 4	20MHz	QPSK	20050	100RB#0	Range1:30~1000MHz	-32.36	PASS
Band 4	20MHz	QPSK	20050	100RB#0	Range2:1000~2000MHz	-33.73	PASS
Band 4	20MHz	QPSK	20050	100RB#0	Range3:2000~20000MHz	-34.55	PASS
Band 4	20MHz	QPSK	20175	100RB#0	Range1:30~1000MHz	-31.37	PASS
Band 4	20MHz	QPSK	20175	100RB#0	Range2:1000~2000MHz	-34.04	PASS
Band 4	20MHz	QPSK	20175	100RB#0	Range3:2000~20000MHz	-33.53	PASS
Band 4	20MHz	QPSK	20300	100RB#0	Range1:30~1000MHz	-31.69	PASS
Band 4	20MHz	QPSK	20300	100RB#0	Range2:1000~2000MHz	-34.18	PASS
Band 4	20MHz	QPSK	20300	100RB#0	Range3:2000~20000MHz	-35.51	PASS
Band 4	20MHz	16QAM	20050	100RB#0	Range1:30~1000MHz	-32.62	PASS
Band 4	20MHz	16QAM	20050	100RB#0	Range2:1000~2000MHz	-33.02	PASS
Band 4	20MHz	16QAM	20050	100RB#0	Range3:2000~20000MHz	-34.41	PASS
Band 4	20MHz	16QAM	20175	100RB#0	Range1:30~1000MHz	-31.69	PASS
Band 4	20MHz	16QAM	20175	100RB#0	Range2:1000~2000MHz	-33.86	PASS
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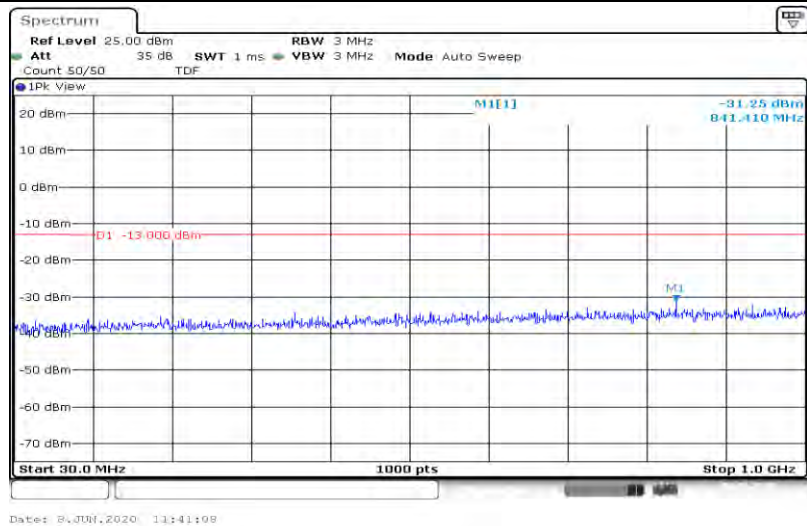
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Band 4	20MHz	16QAM	20300	100RB#0	Range2:1000~2000MHz z	-33.4 2	PASS
Band 4	20MHz	16QAM	20300	100RB#0	Range3:2000~20000MHz	-36.3 9	PASS

Test Graphs

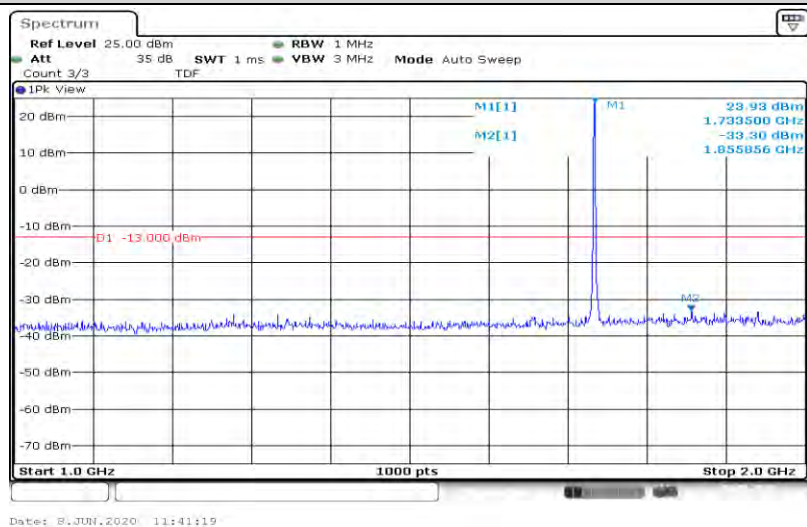




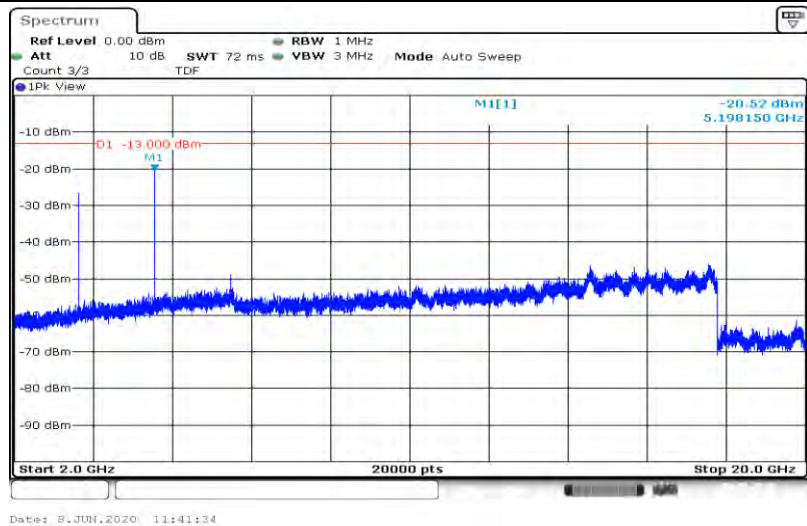
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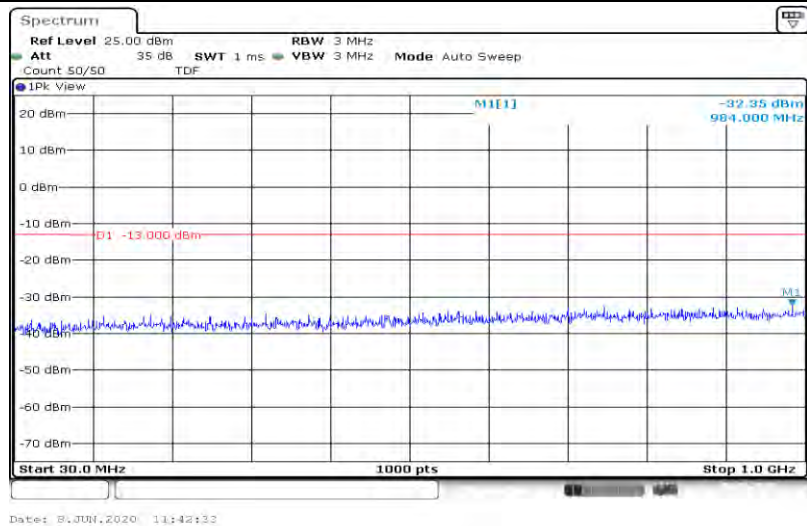
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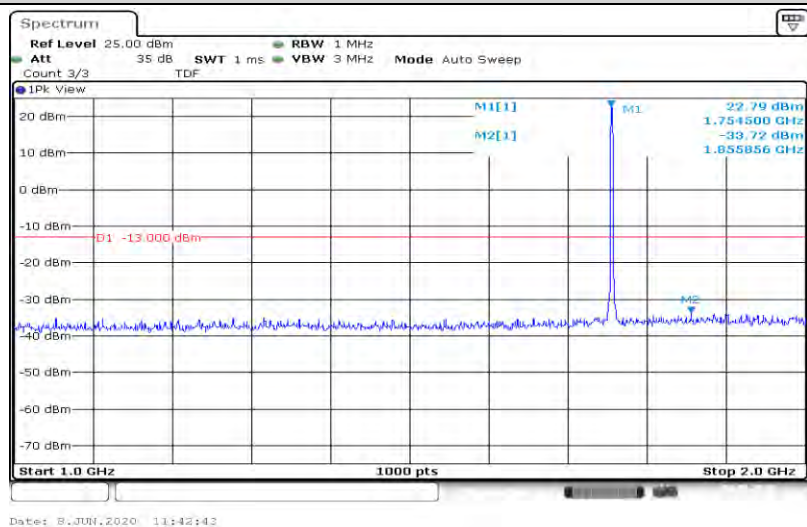
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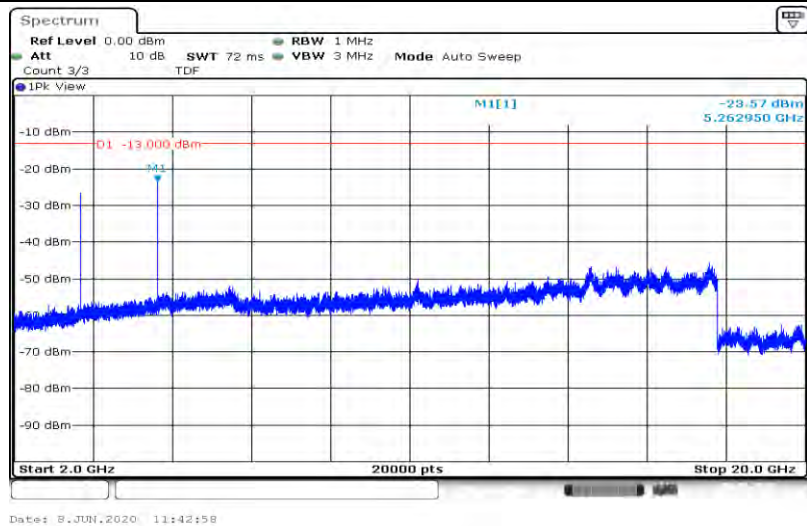
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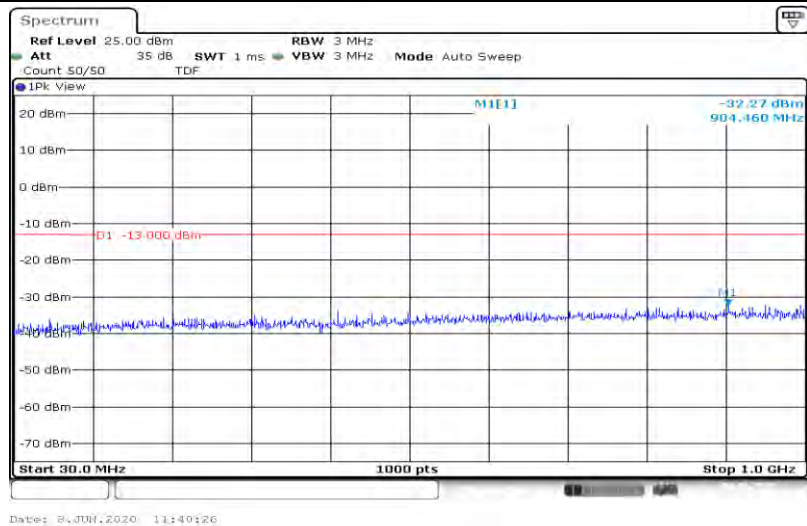
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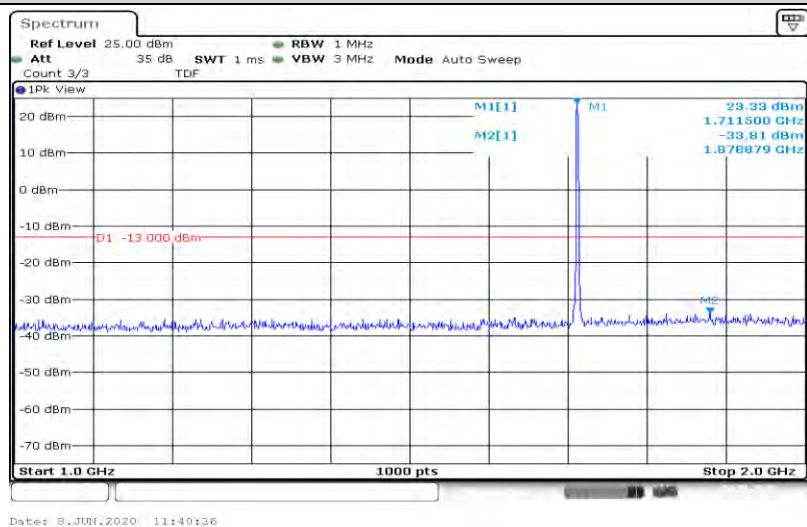
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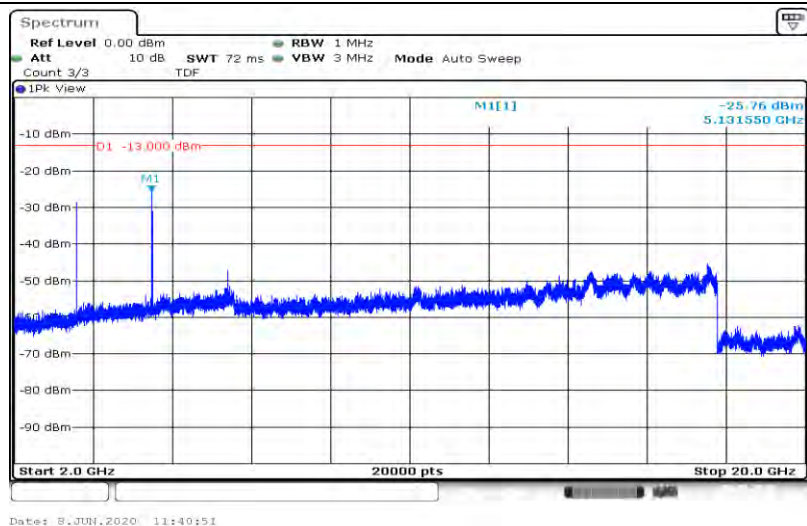
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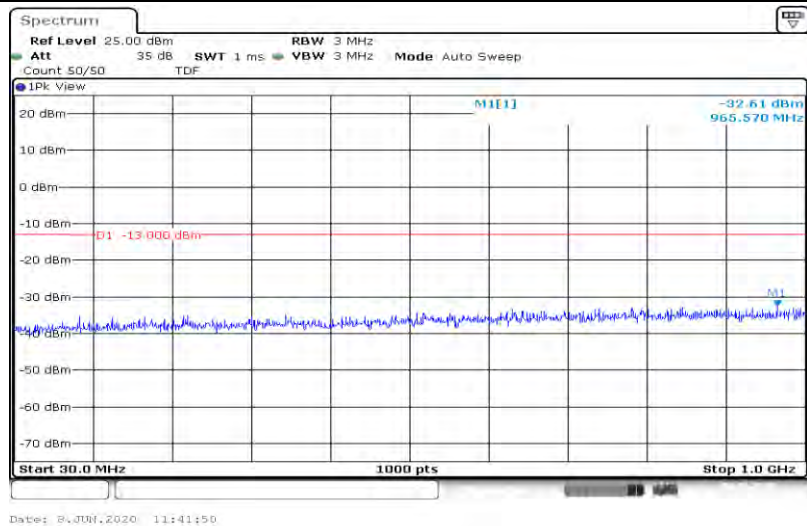
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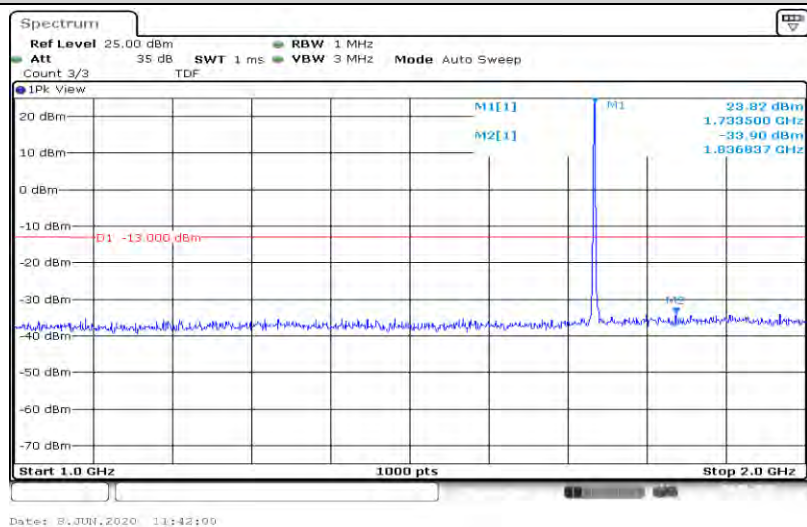
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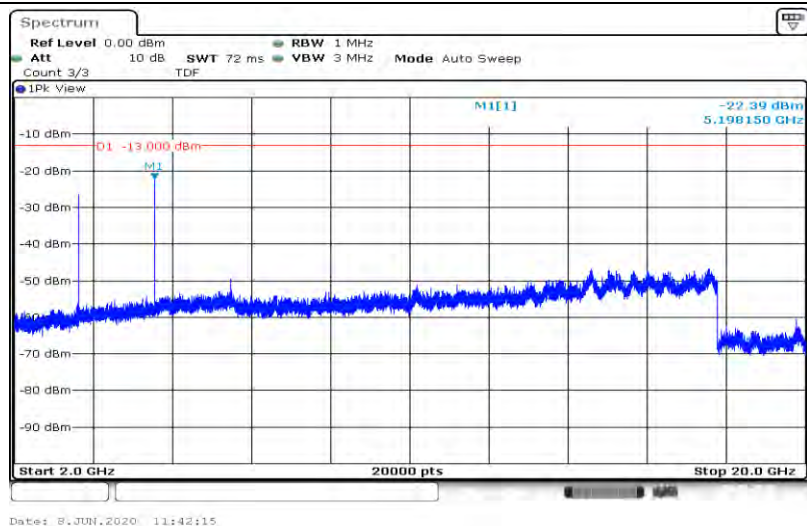
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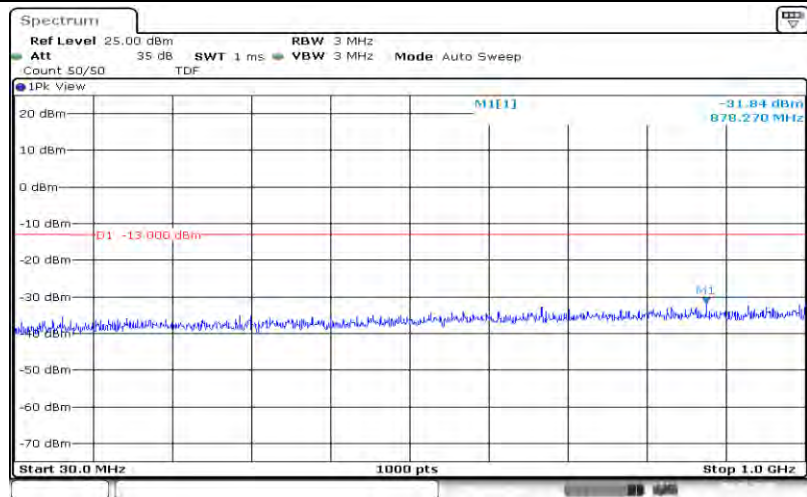


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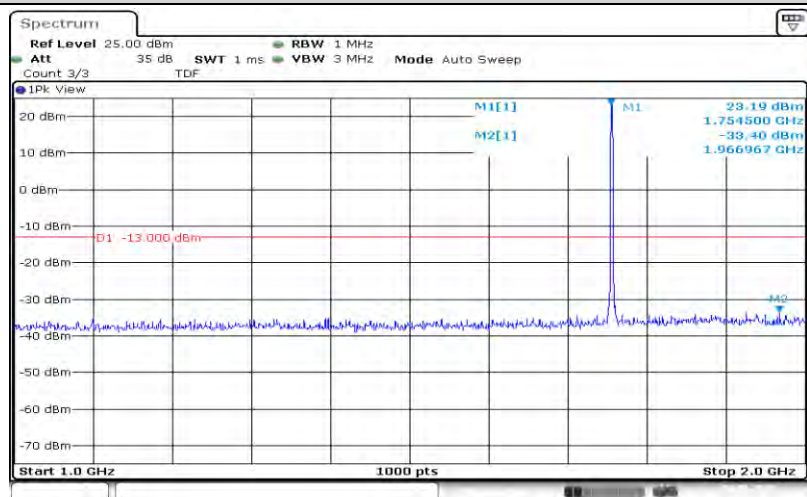
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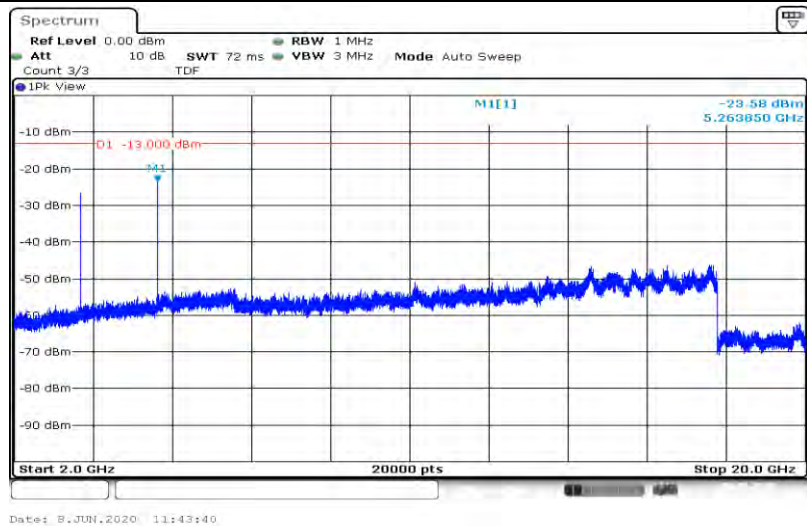
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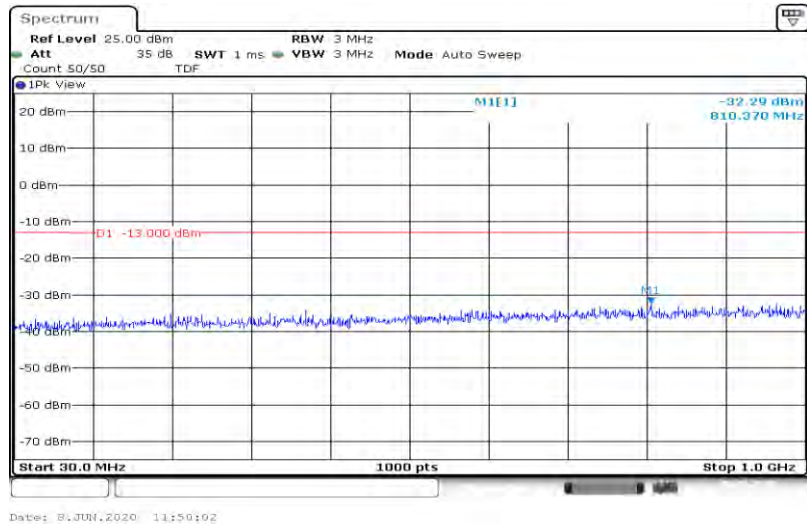


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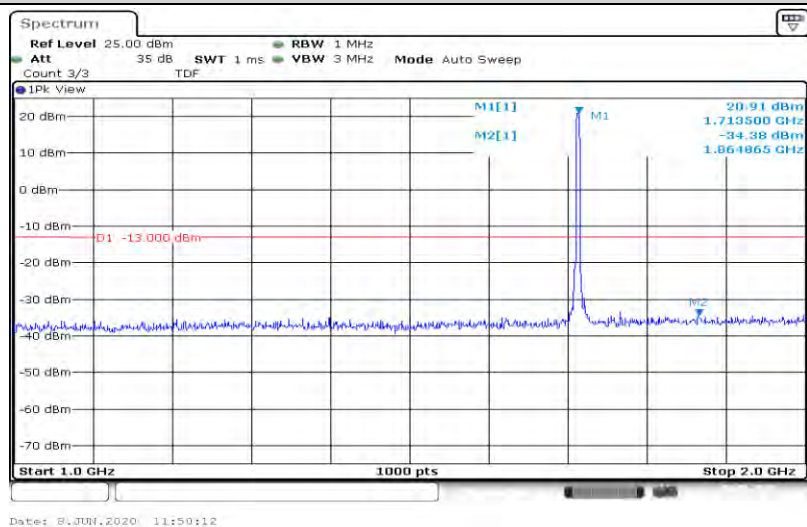
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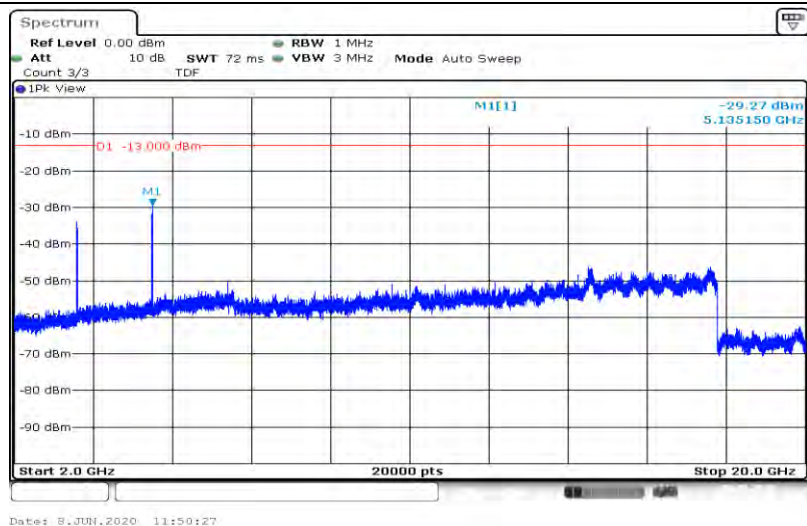
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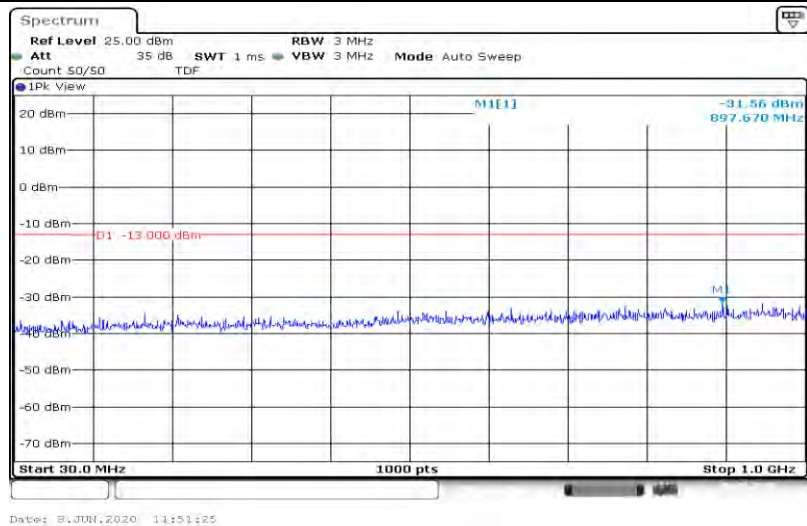
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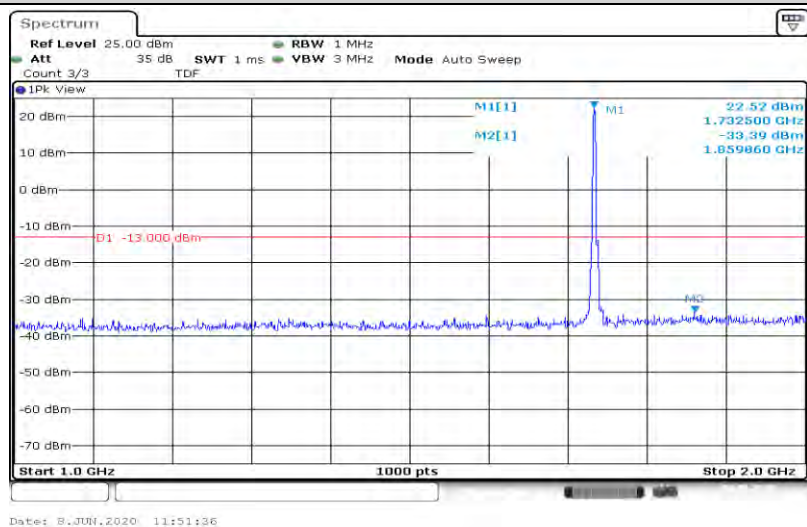
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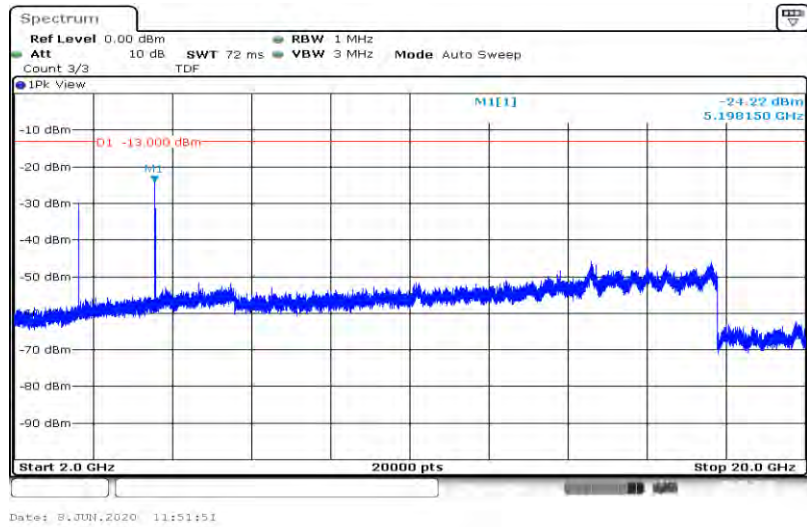
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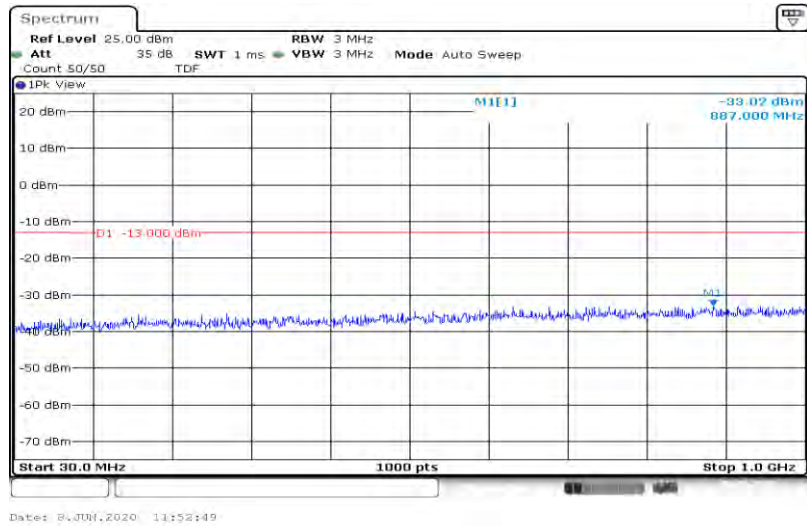
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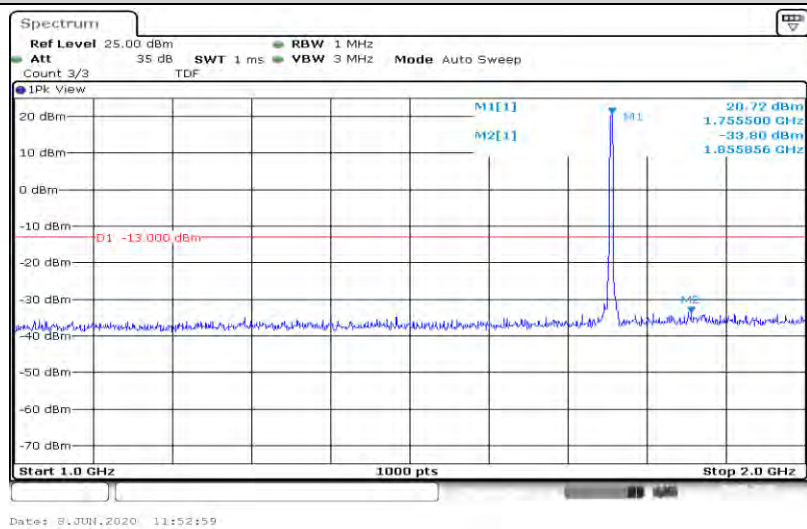
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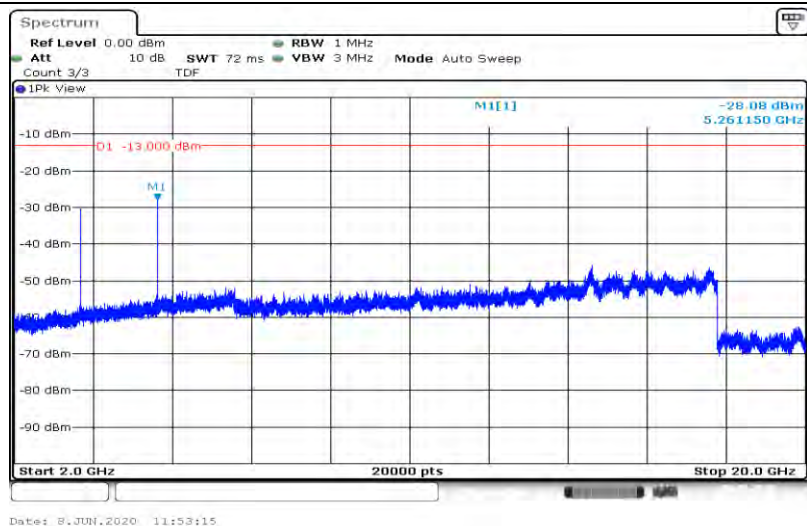
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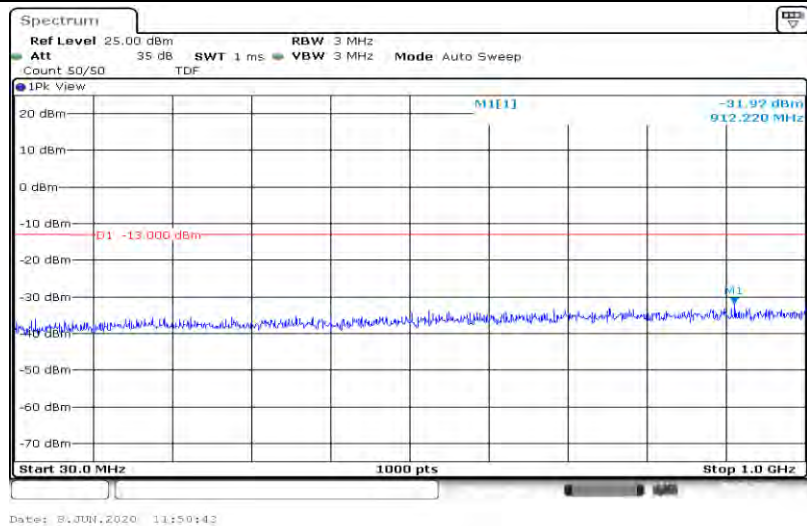
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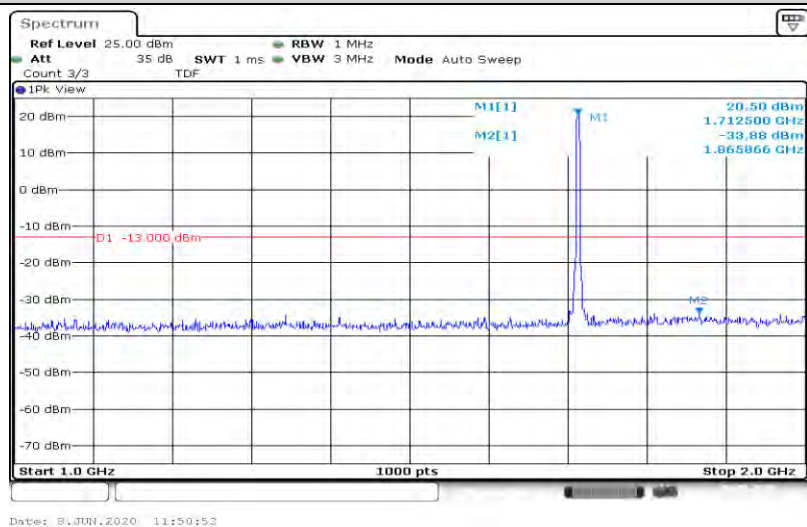
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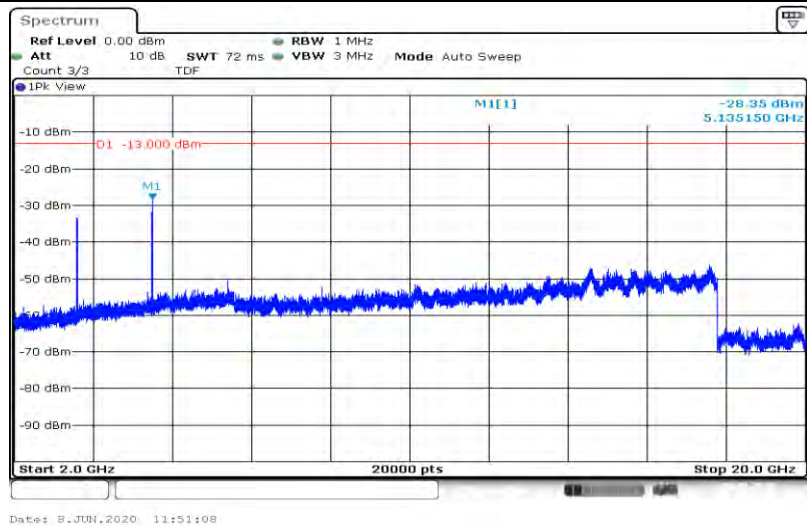
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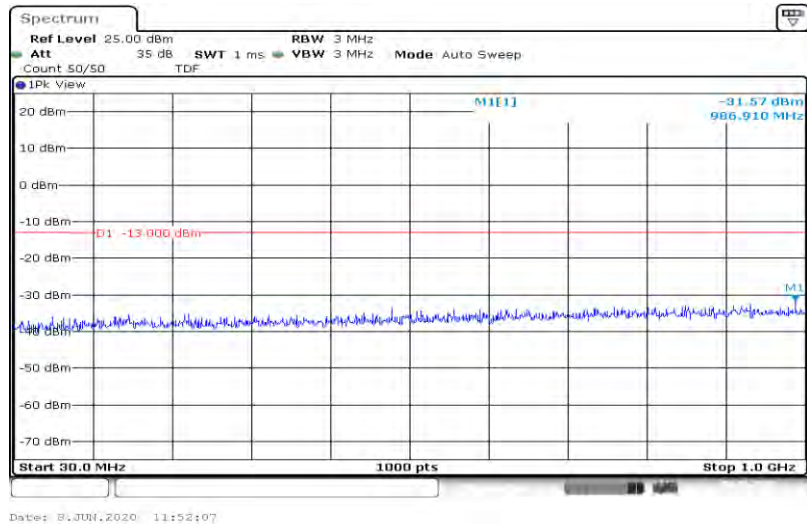
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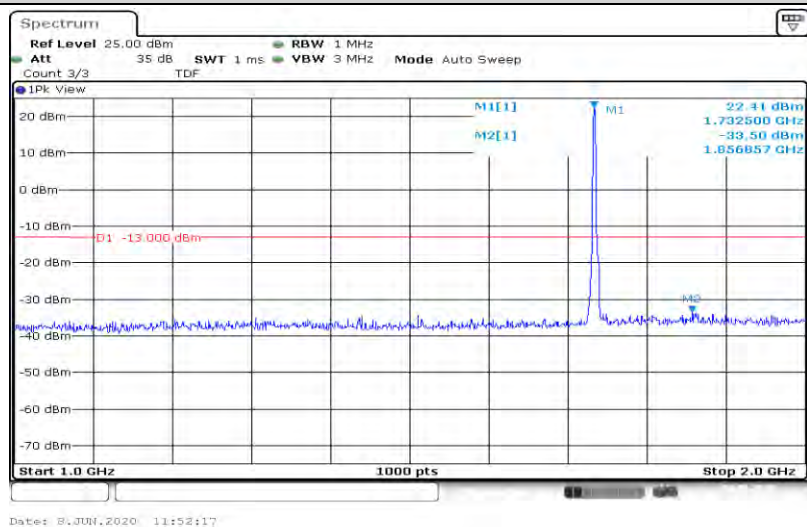
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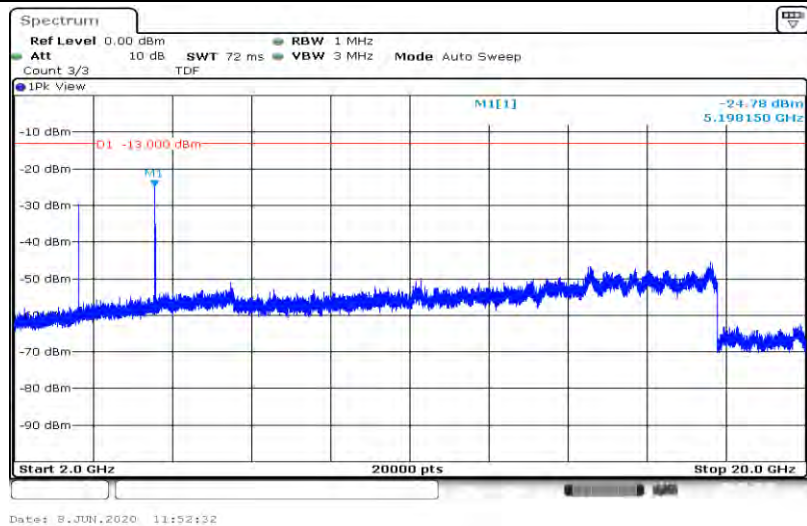
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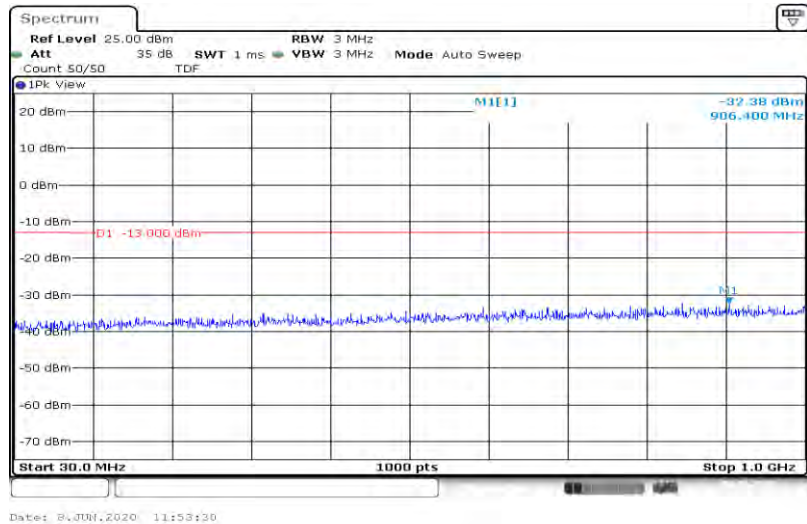
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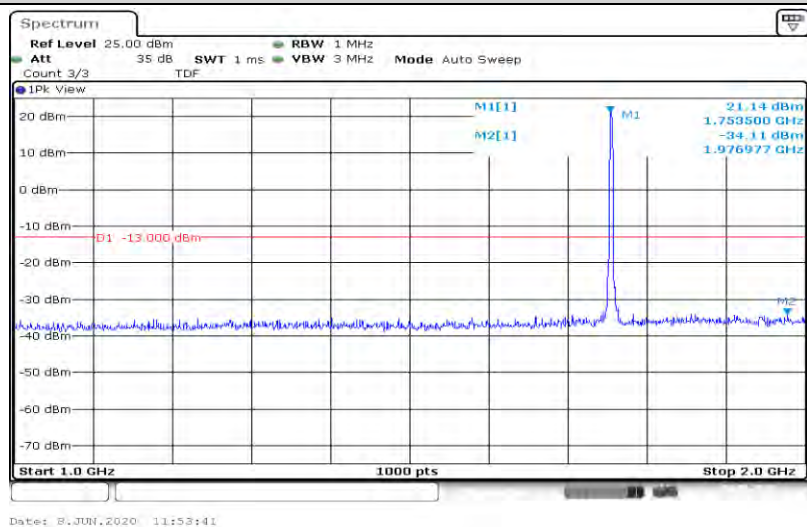
Band4-3MHz-16QAM-20175-15RB#0-Range3:2000~20000MHz



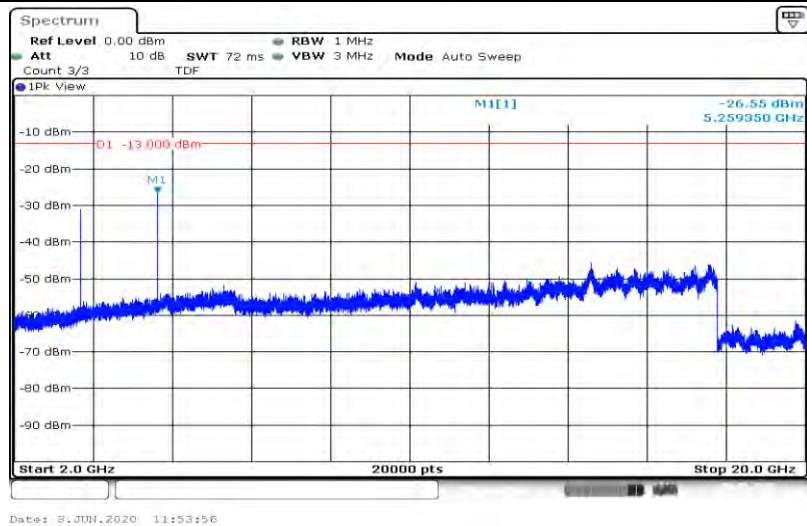
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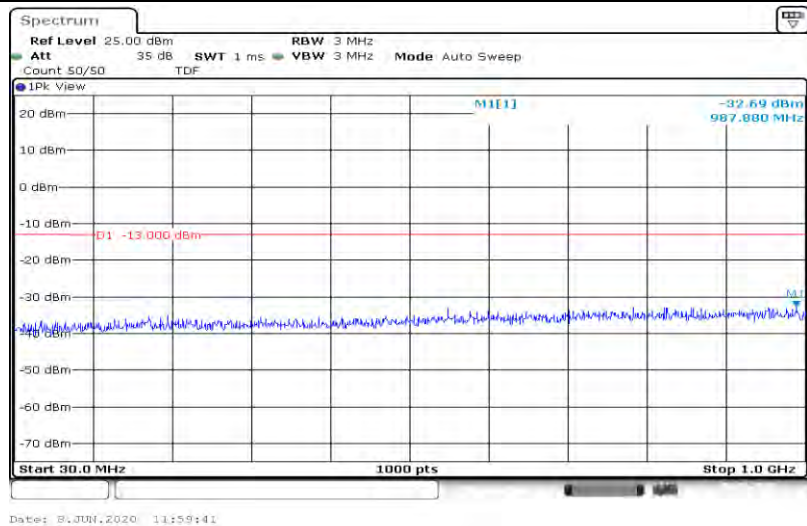
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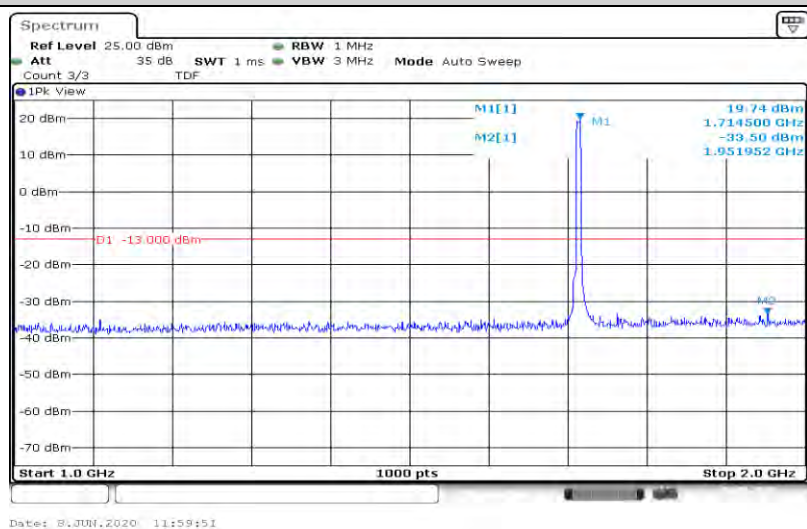
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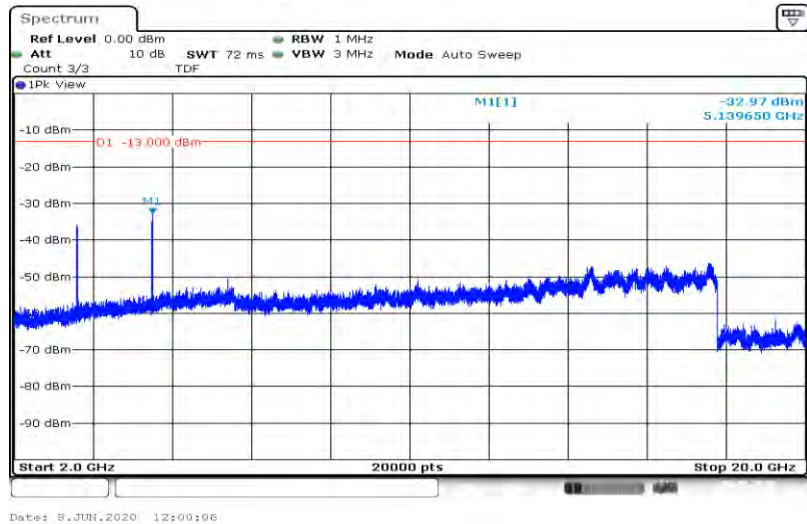
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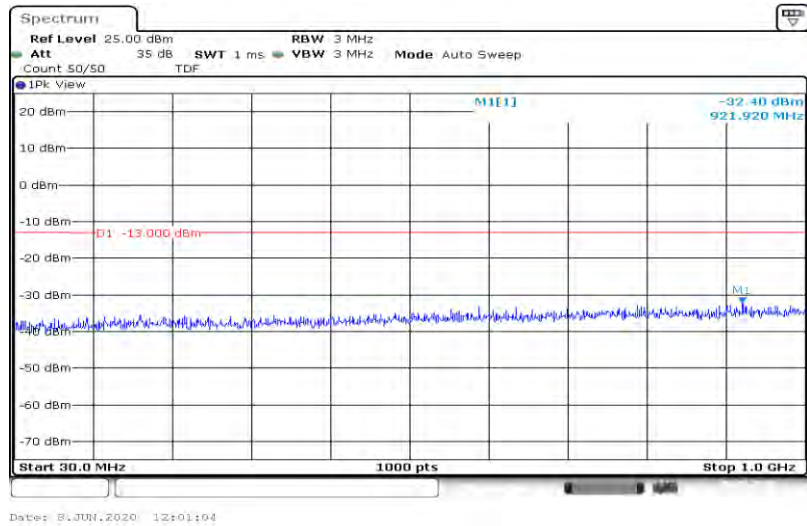
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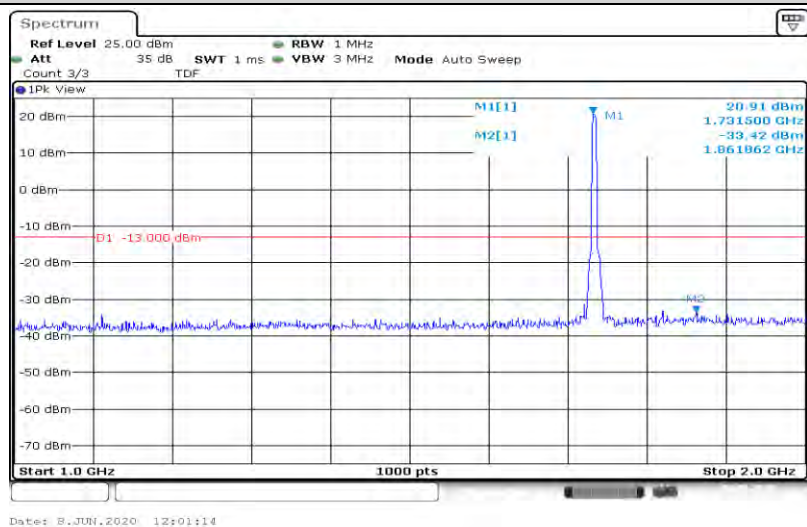
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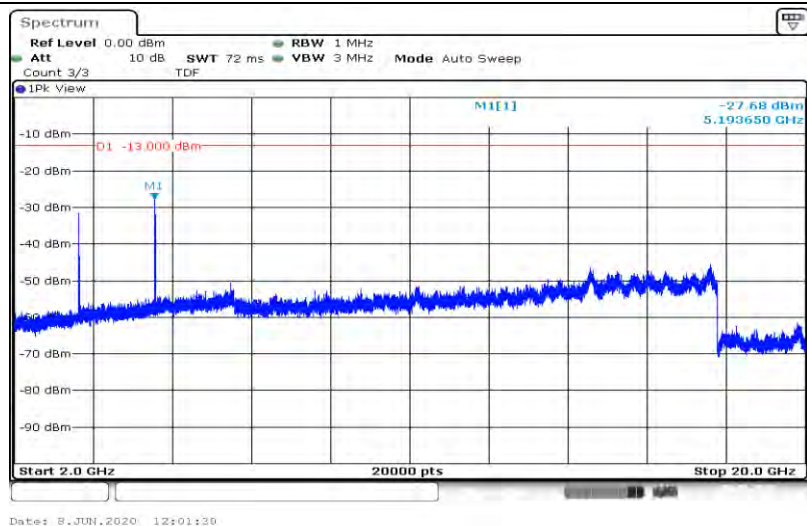
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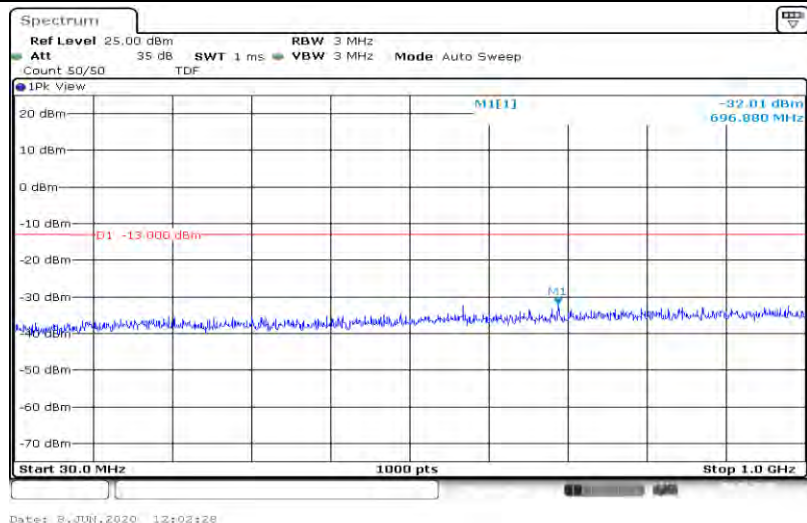
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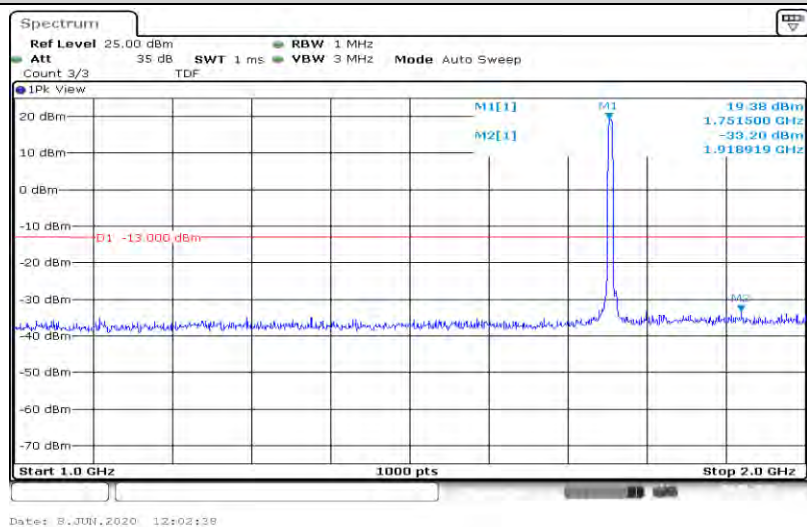
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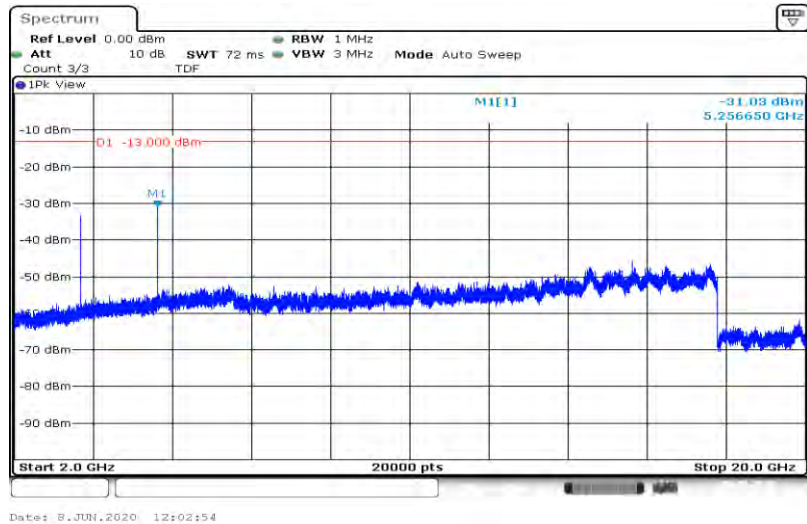
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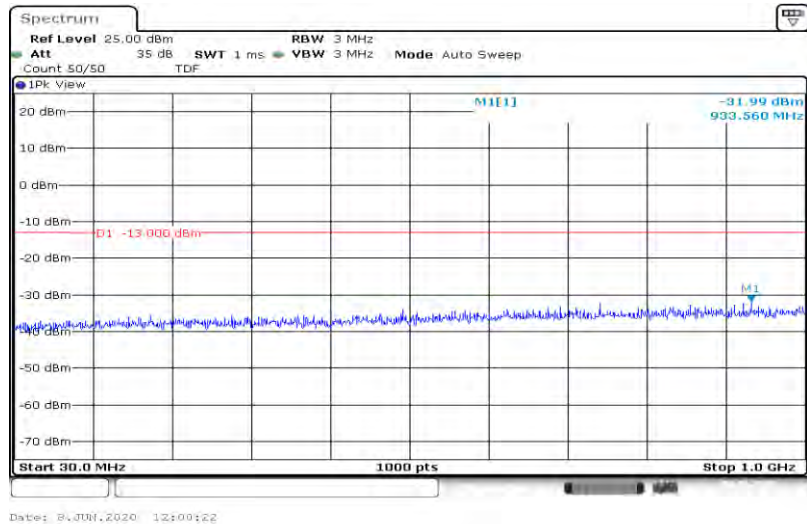
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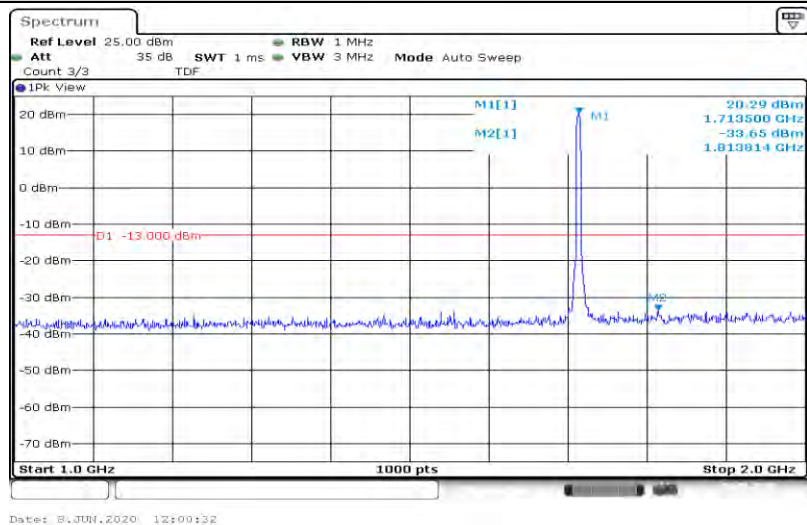
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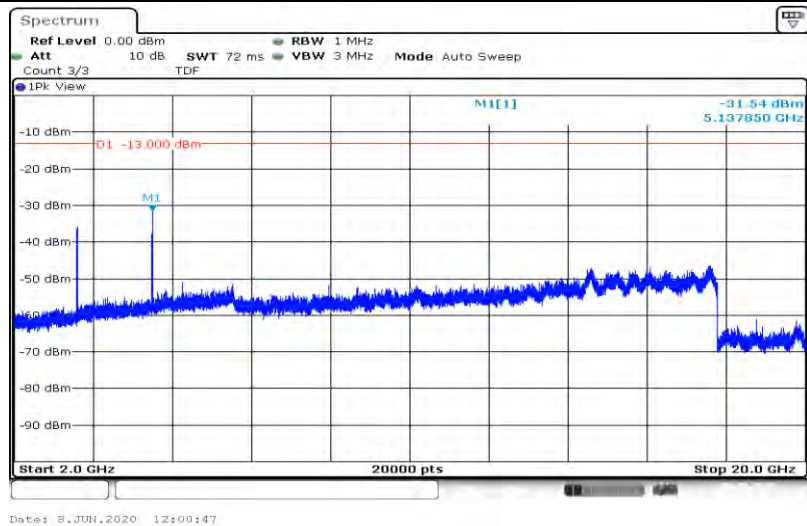
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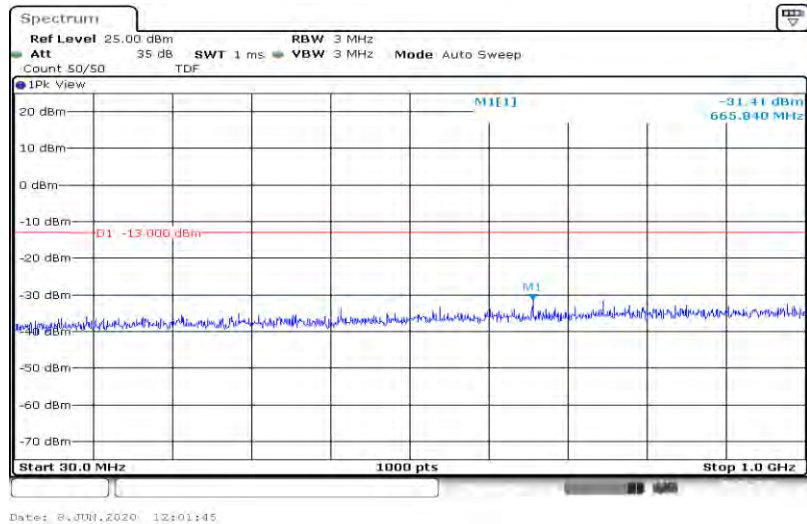
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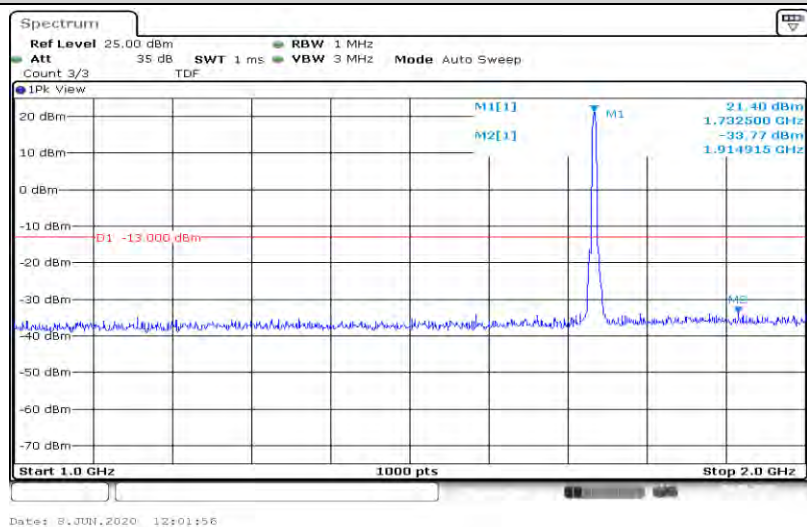
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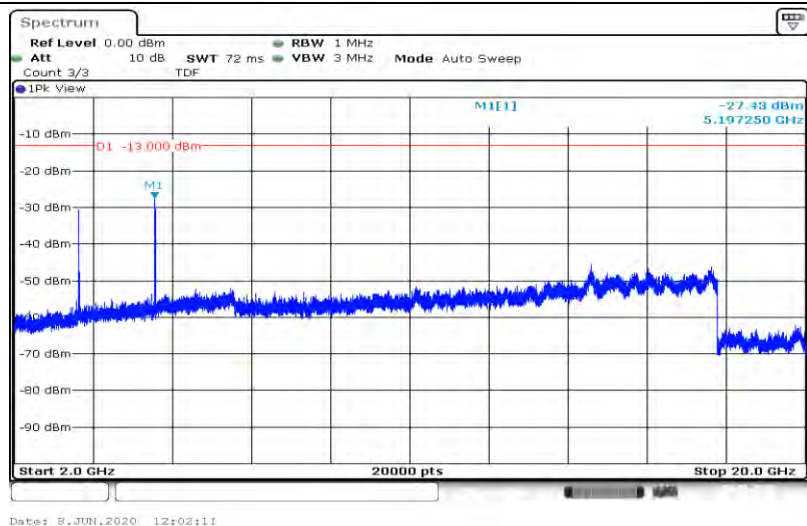
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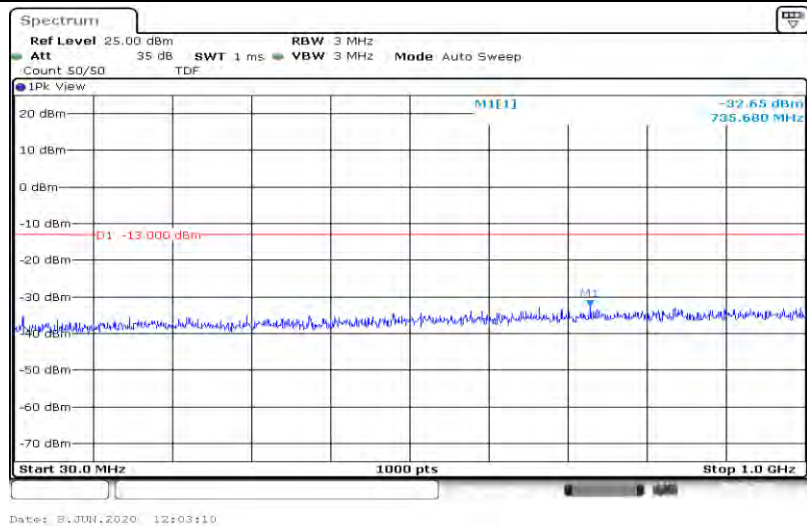
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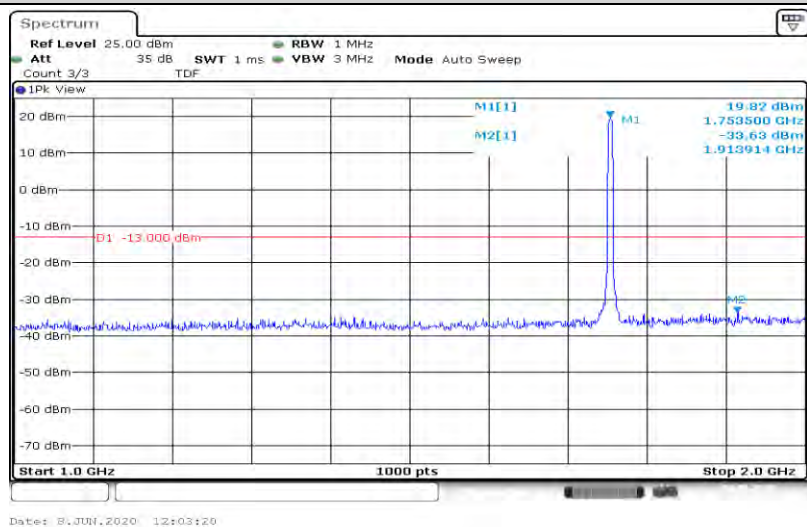
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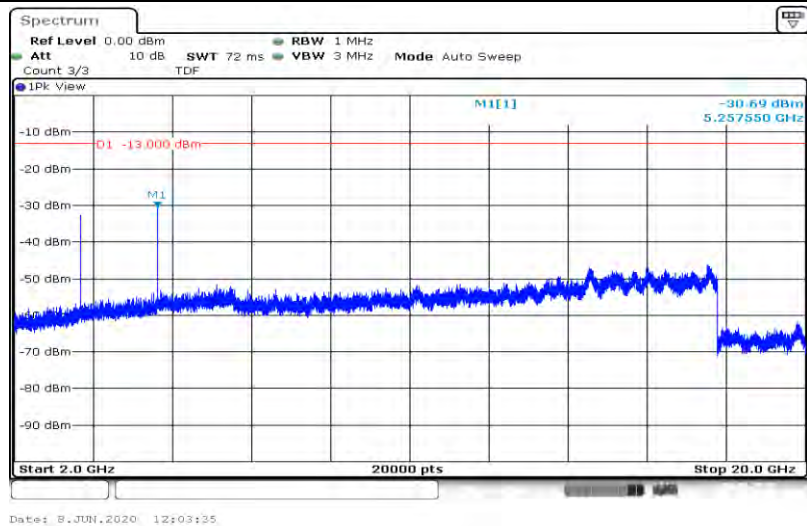
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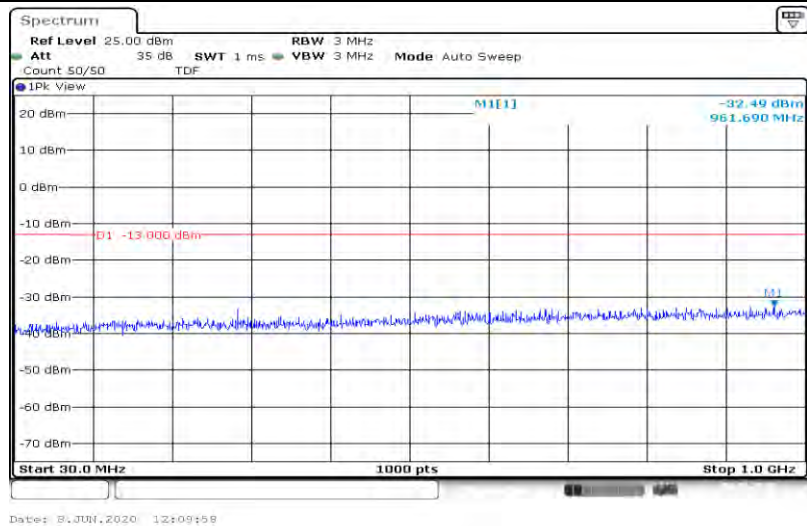
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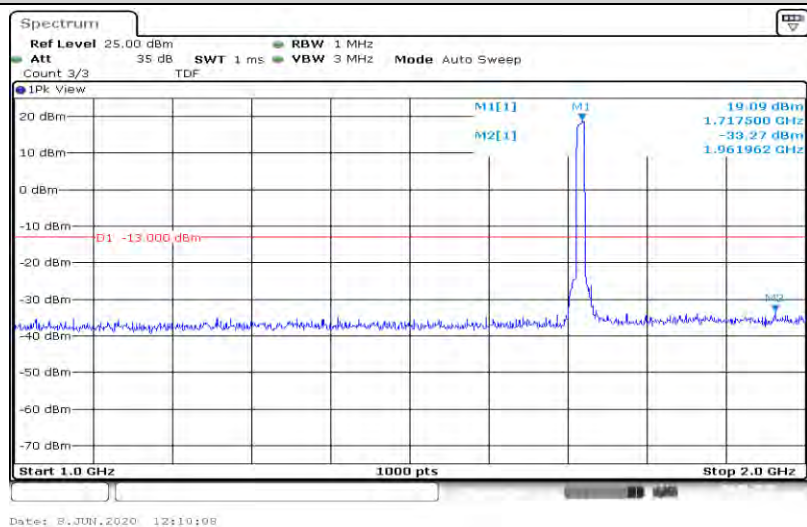
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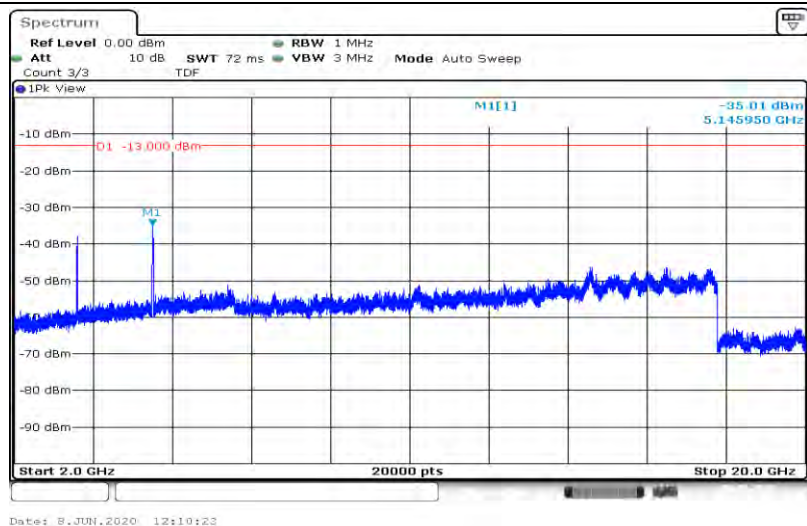
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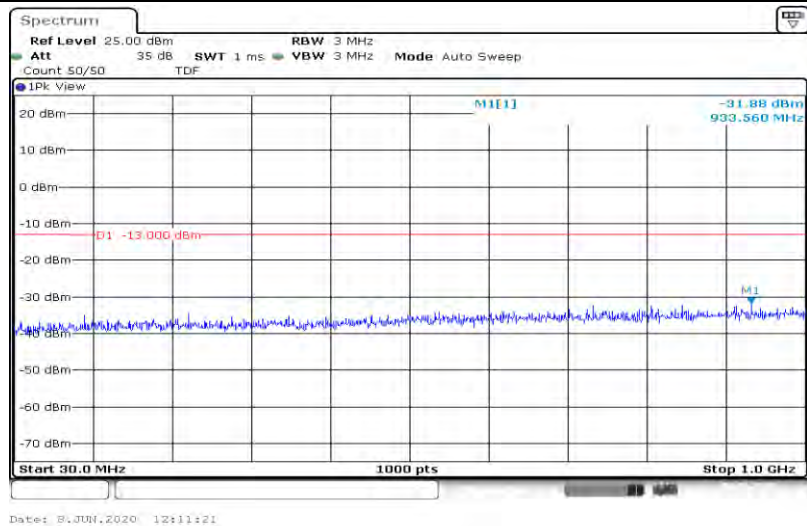
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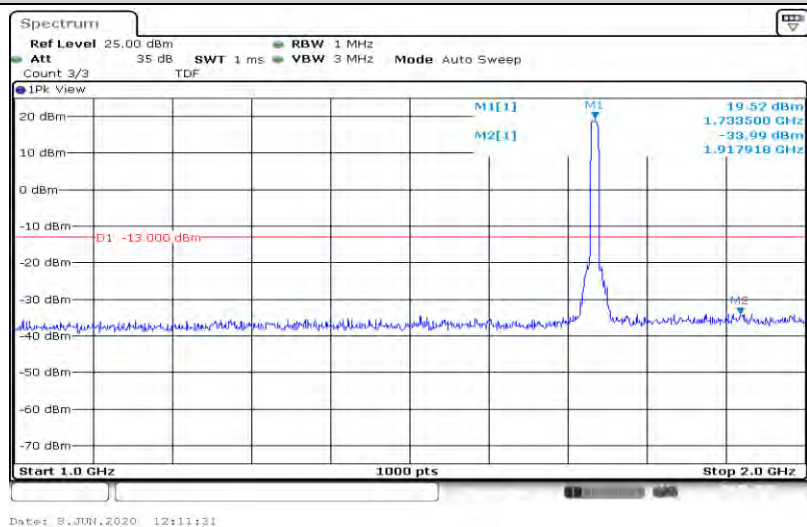
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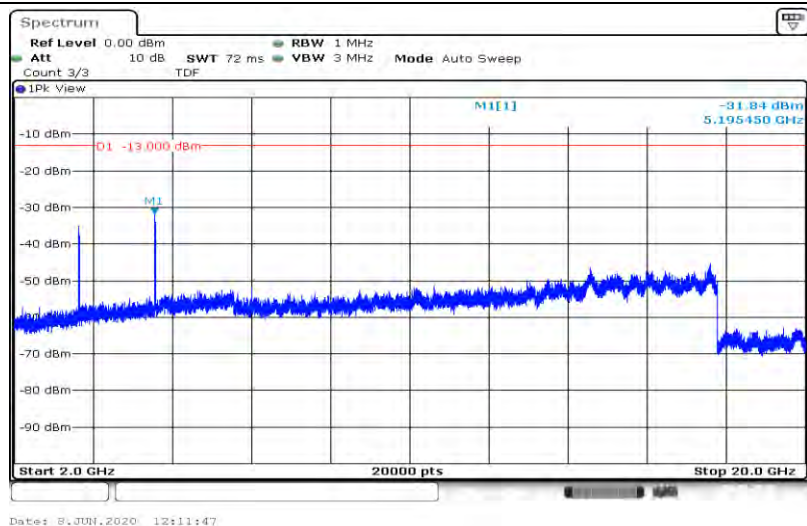
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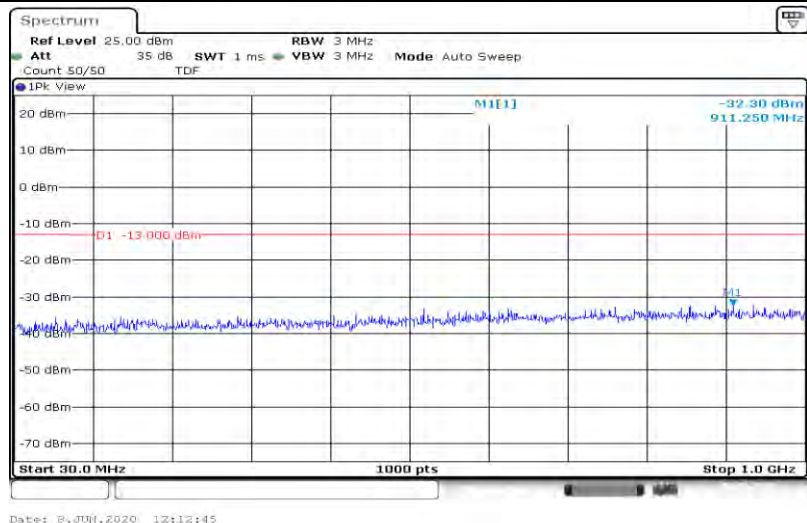
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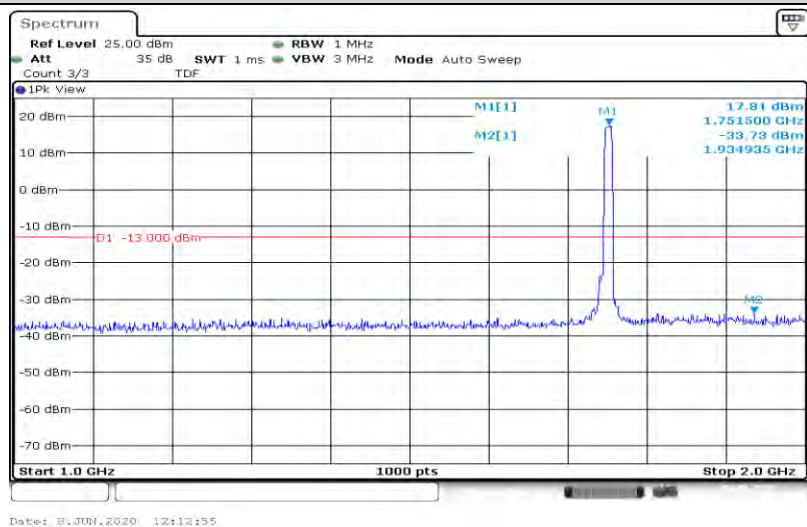
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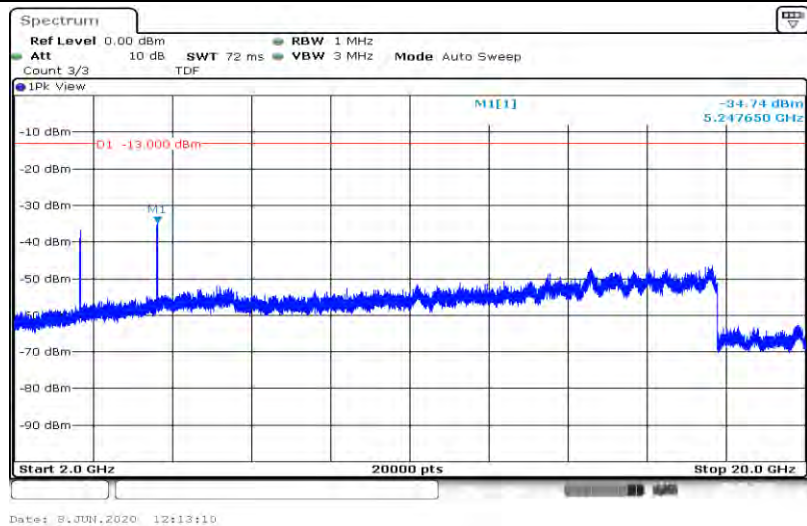
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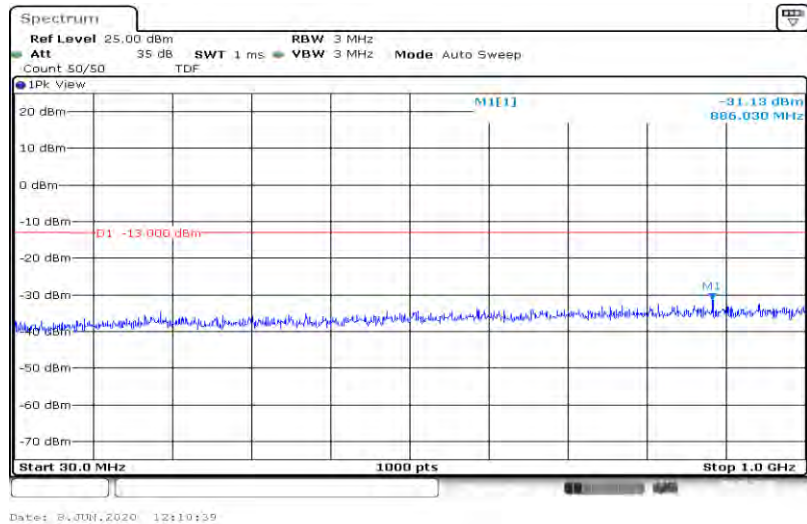
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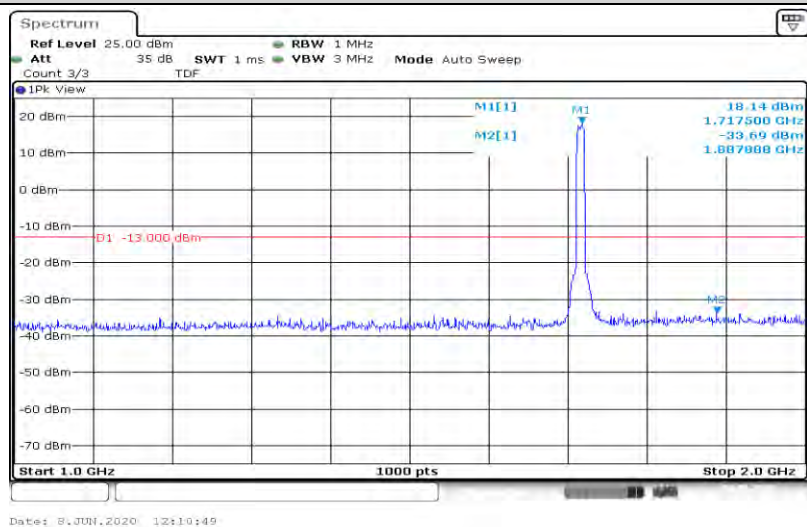
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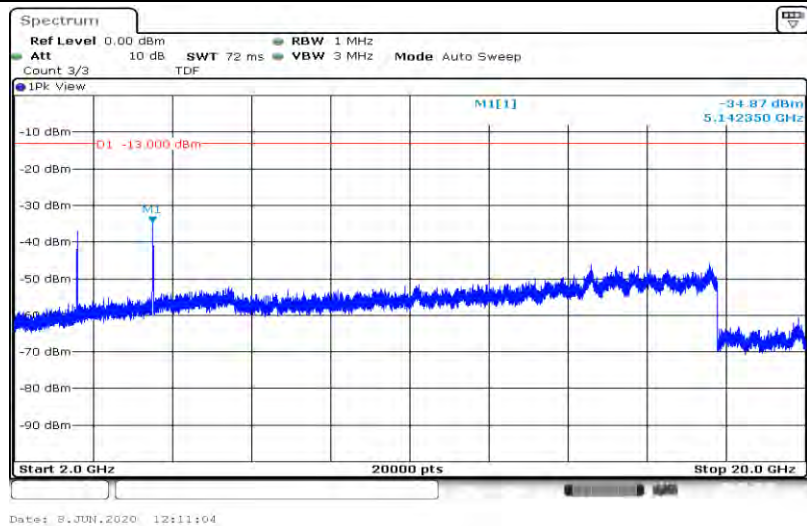
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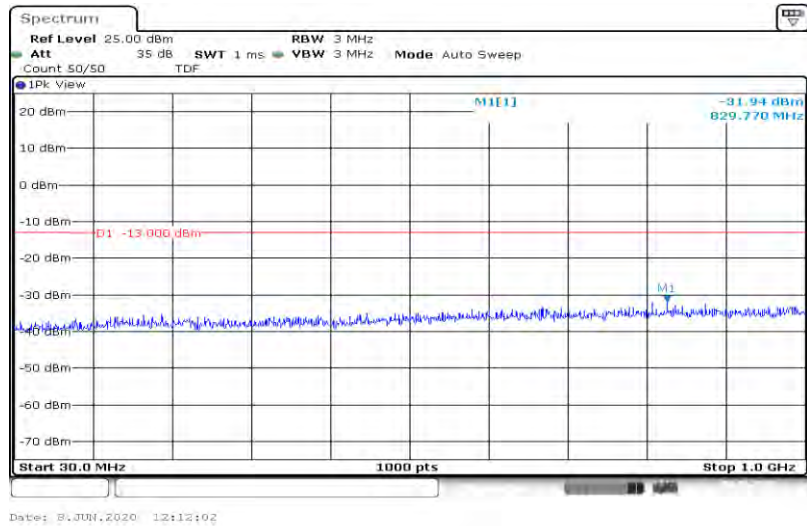
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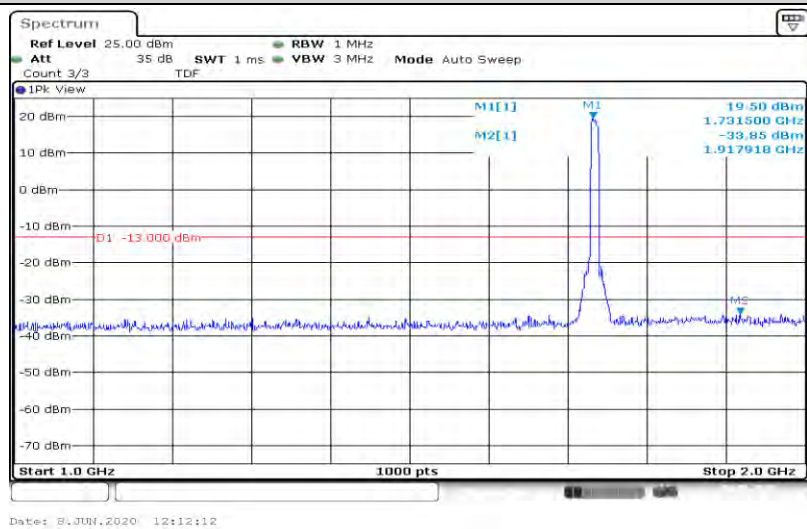
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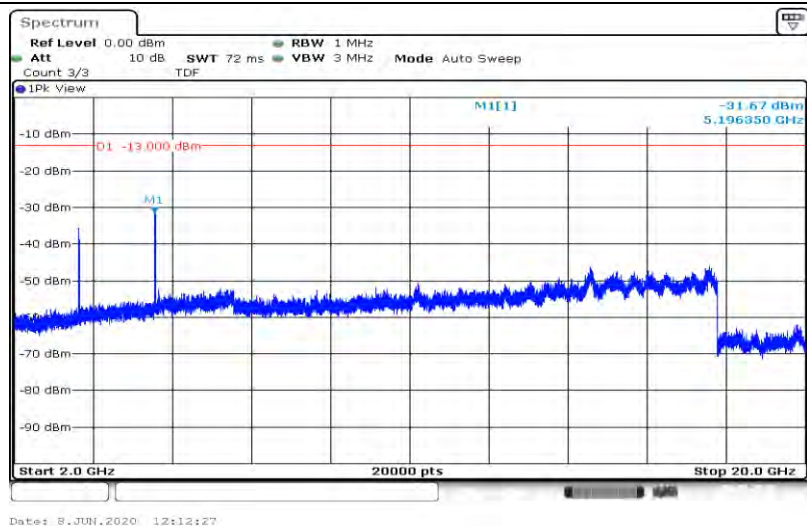
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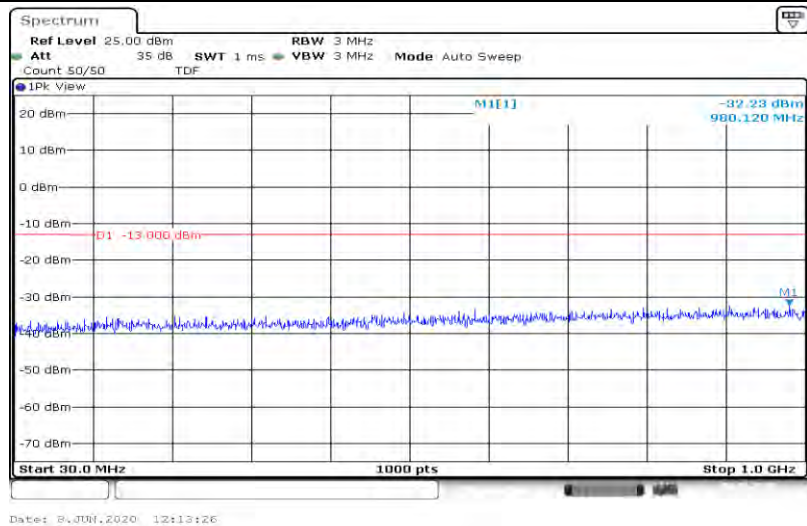
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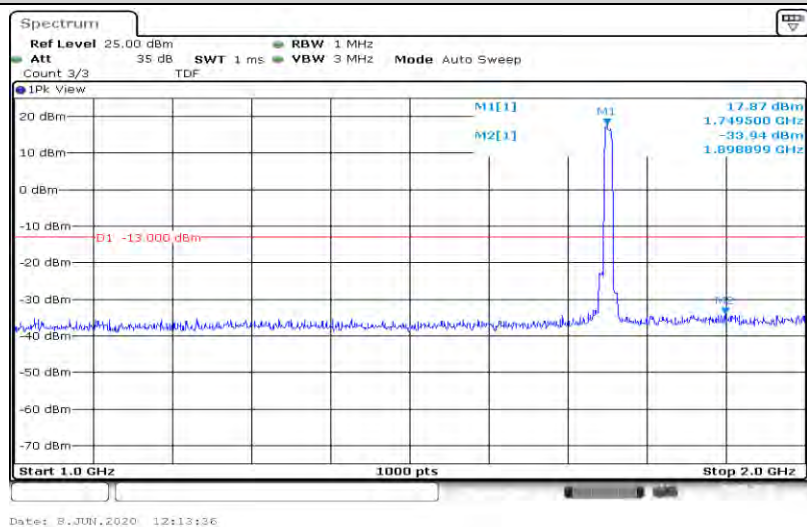
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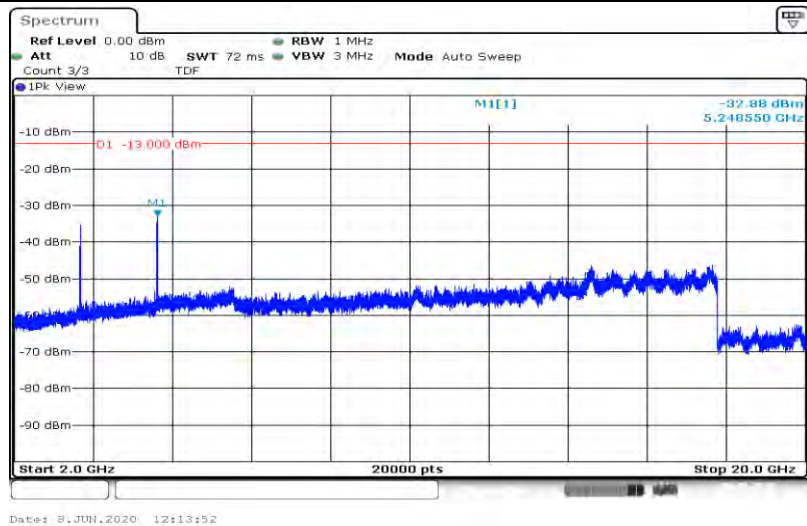
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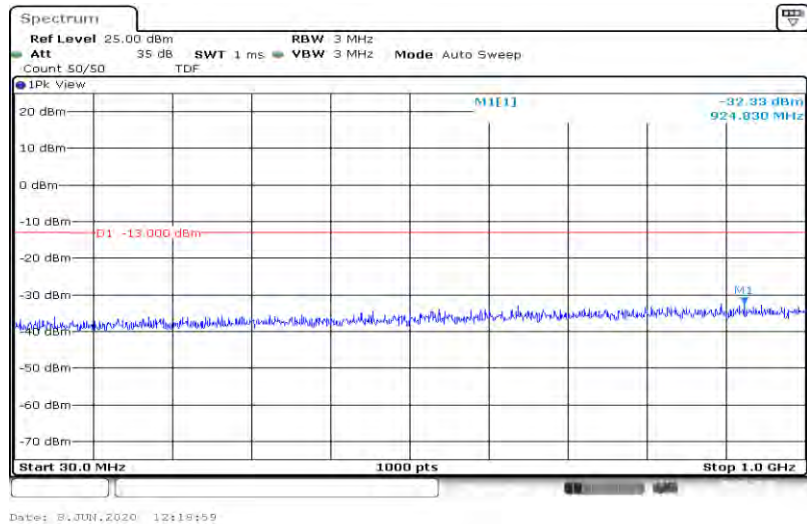
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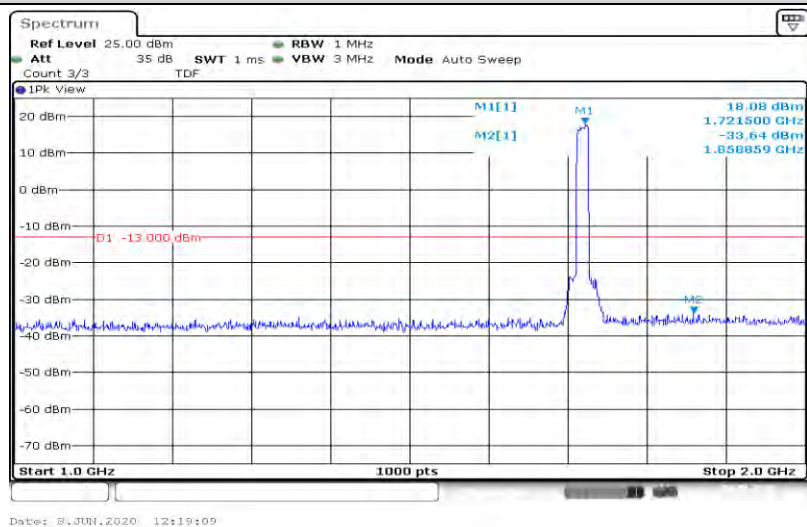
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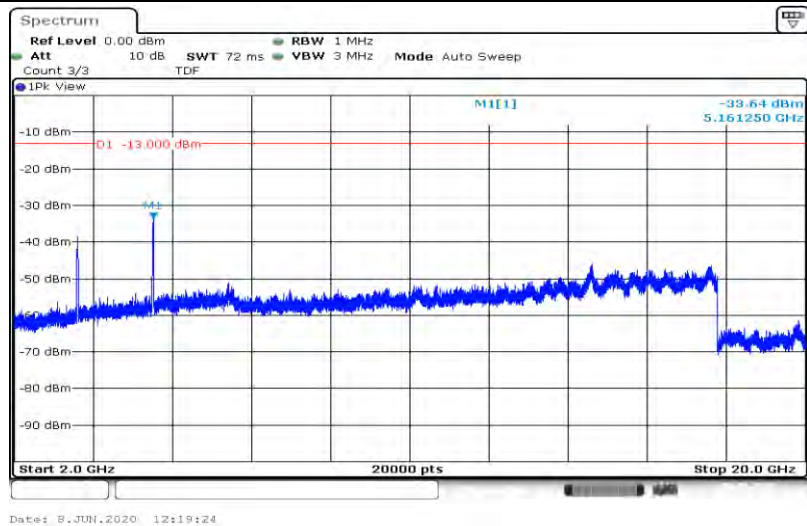
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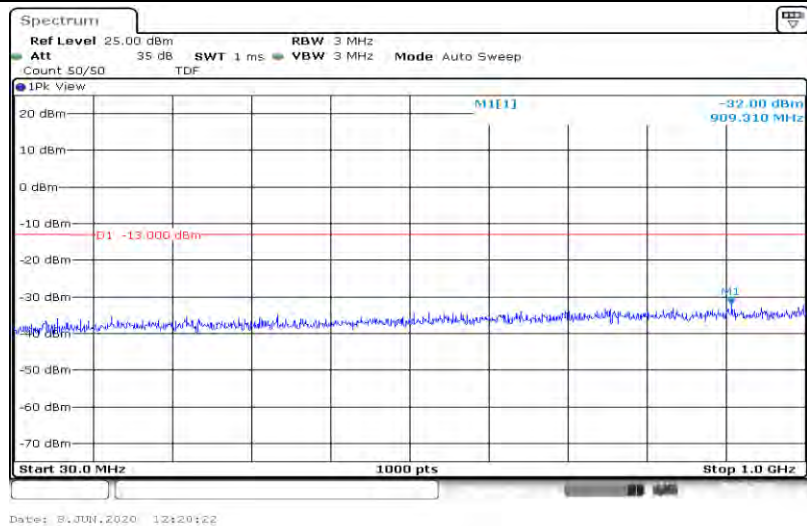
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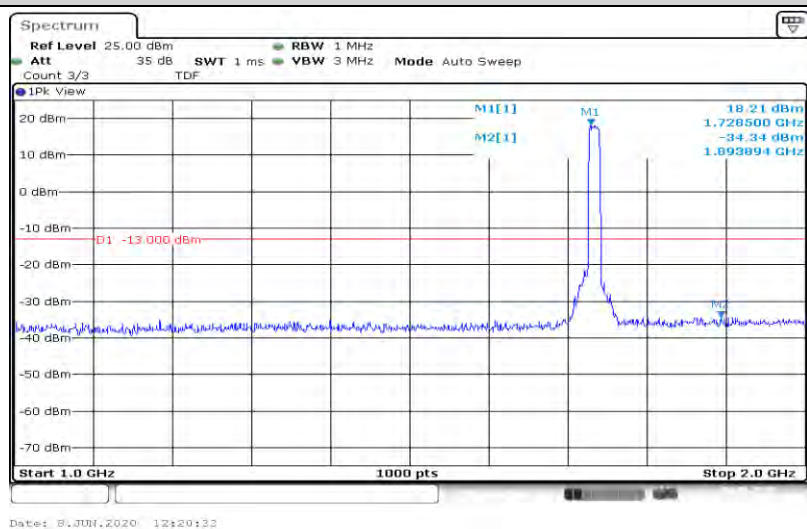
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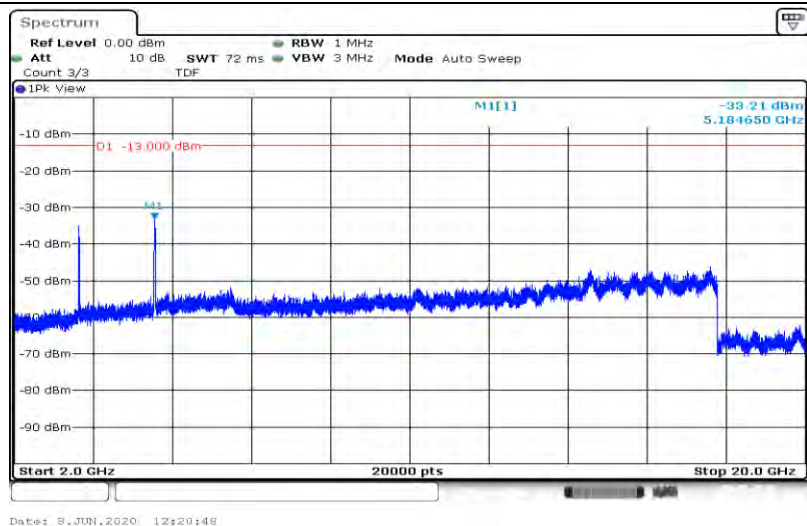
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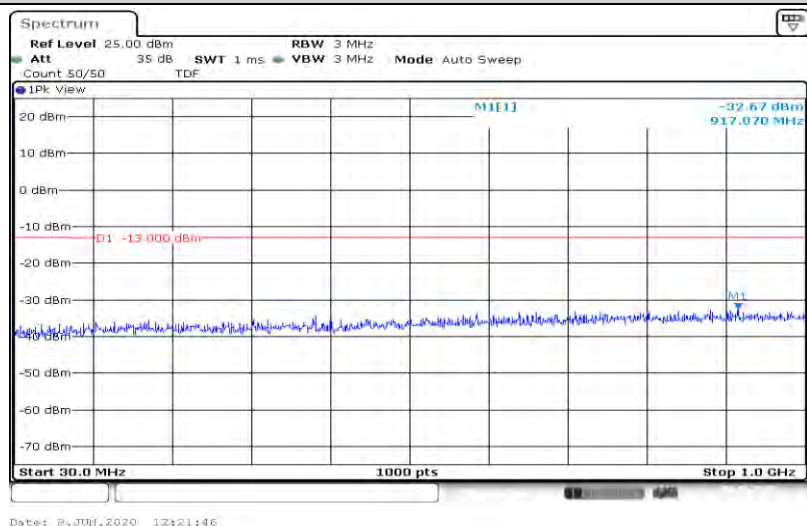
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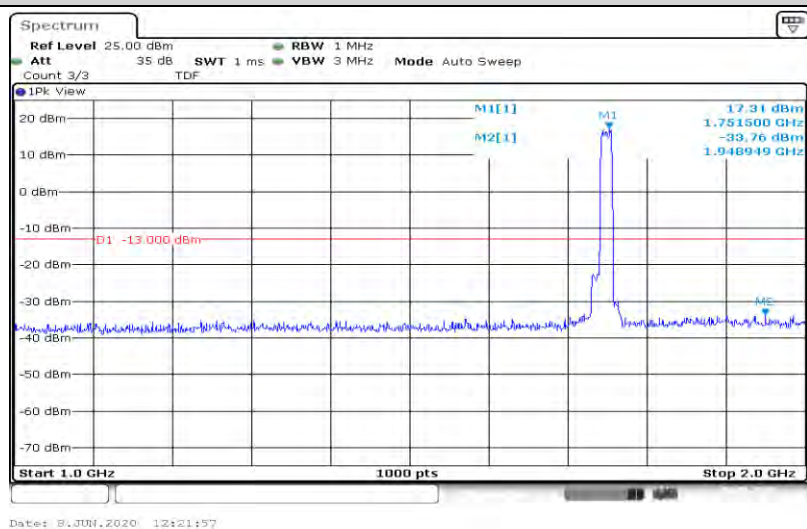
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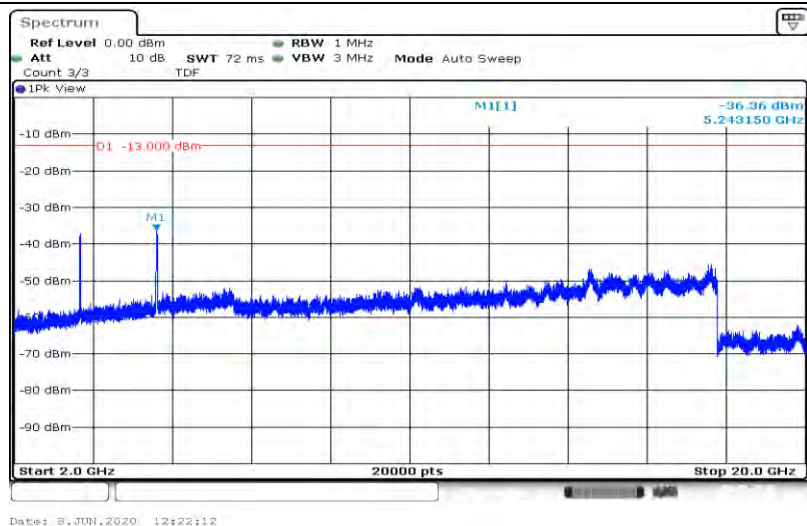
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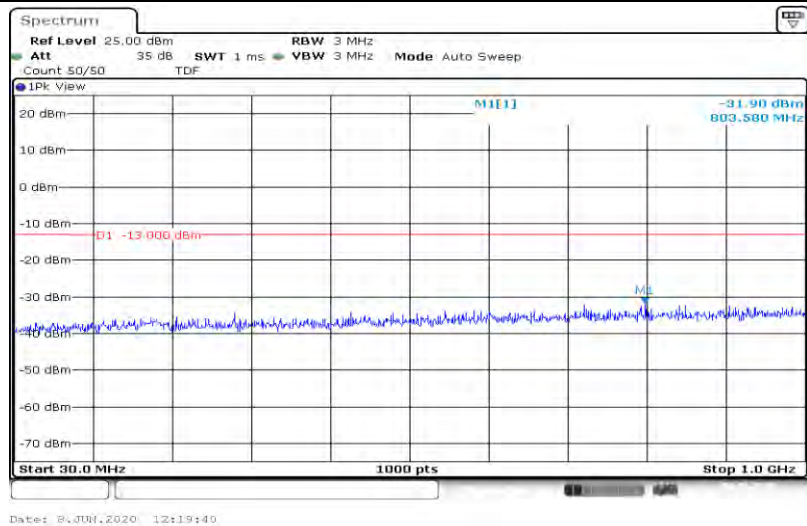
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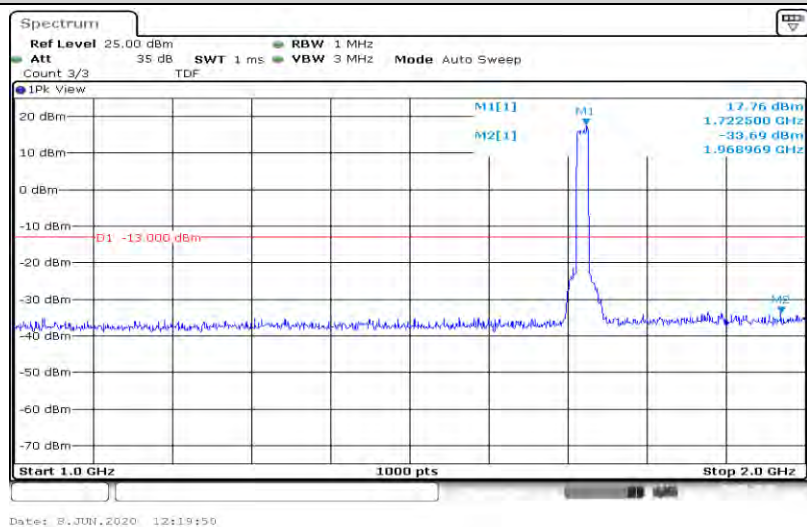
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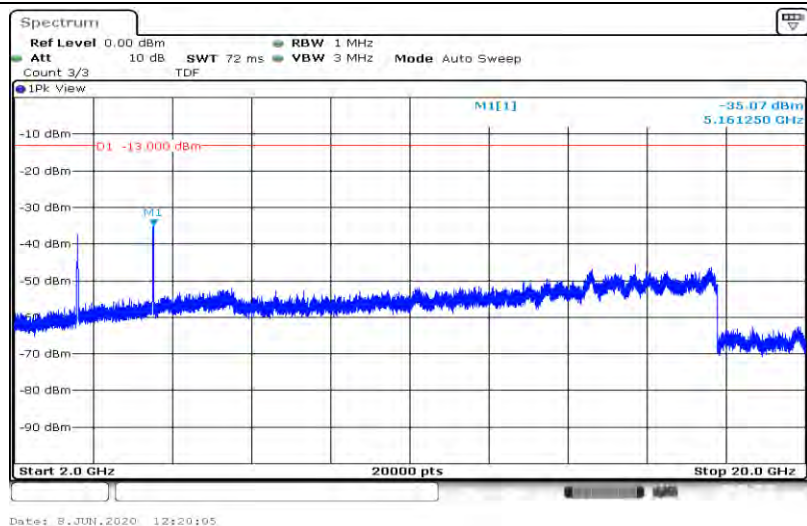
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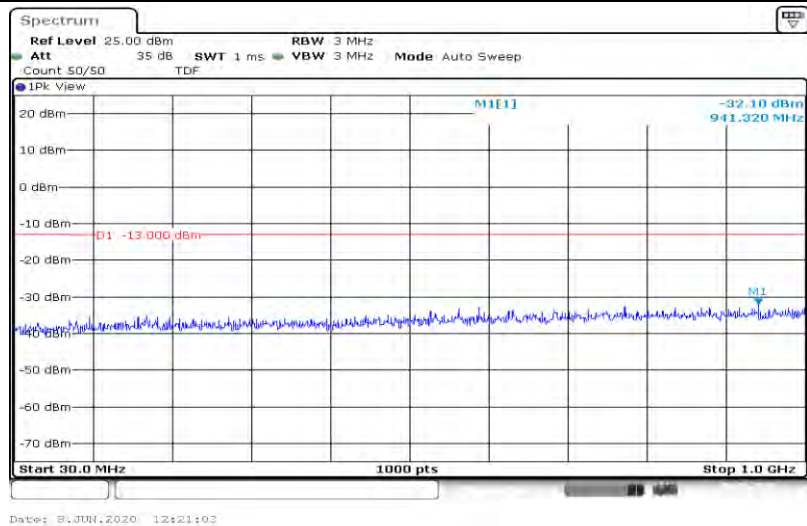
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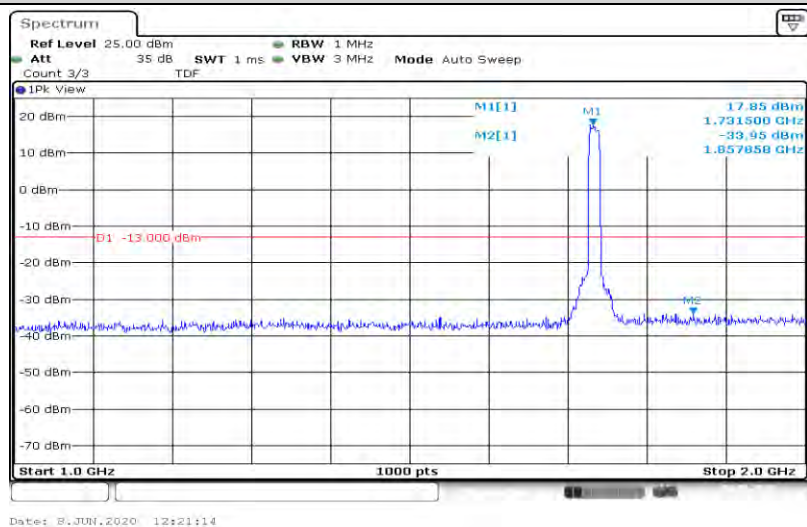
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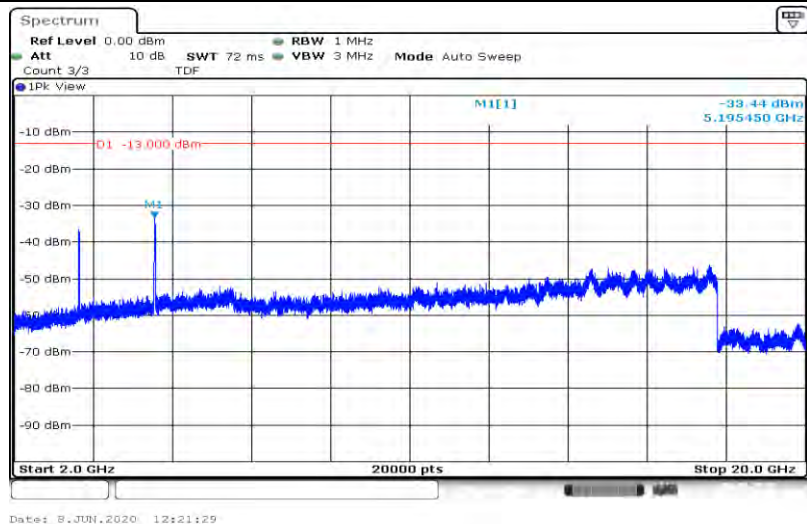
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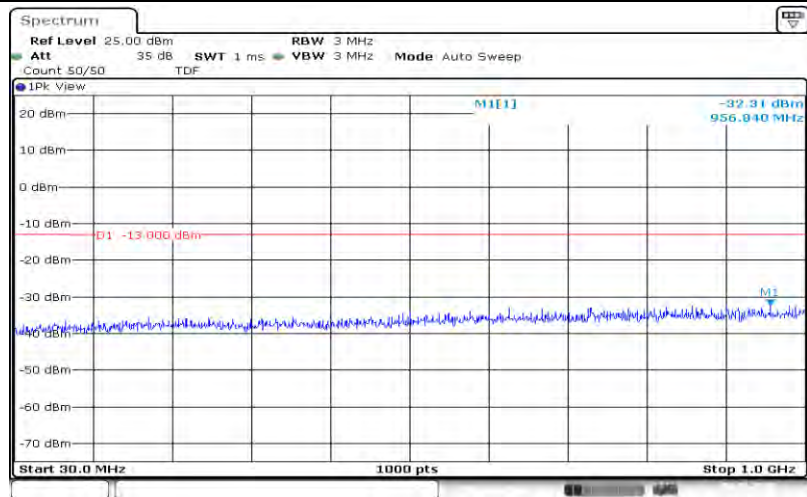


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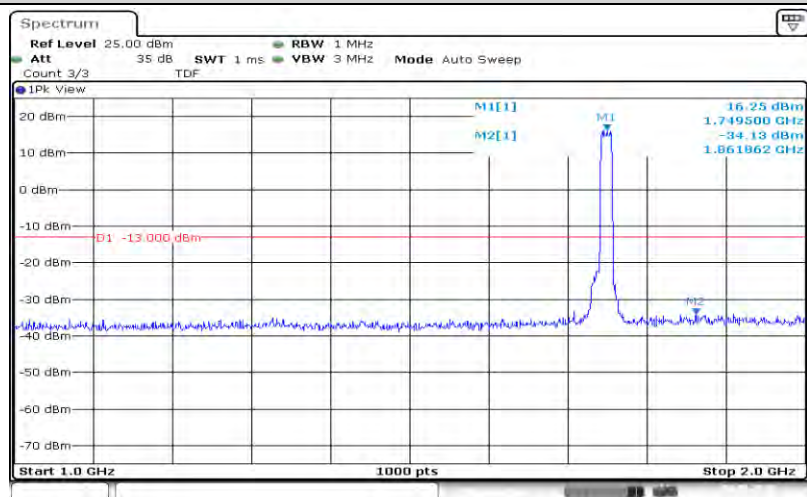
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Band4-15MHz-16QAM-20325-75RB#0-Range1:30~1000MHz



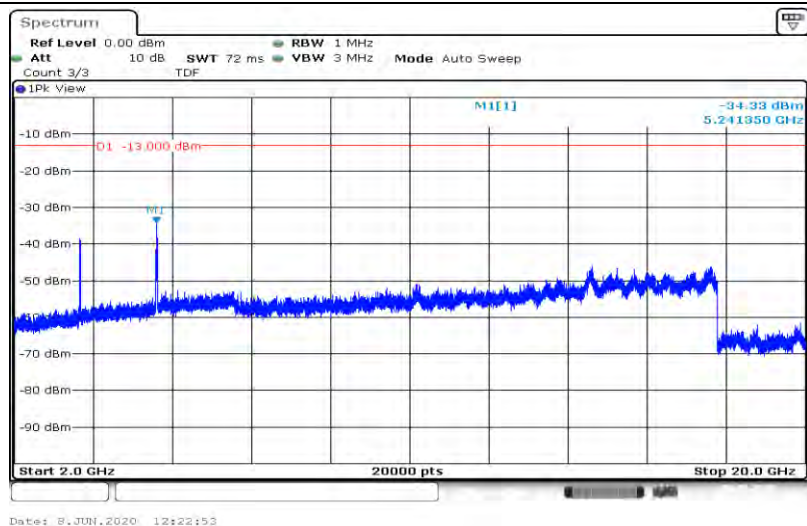
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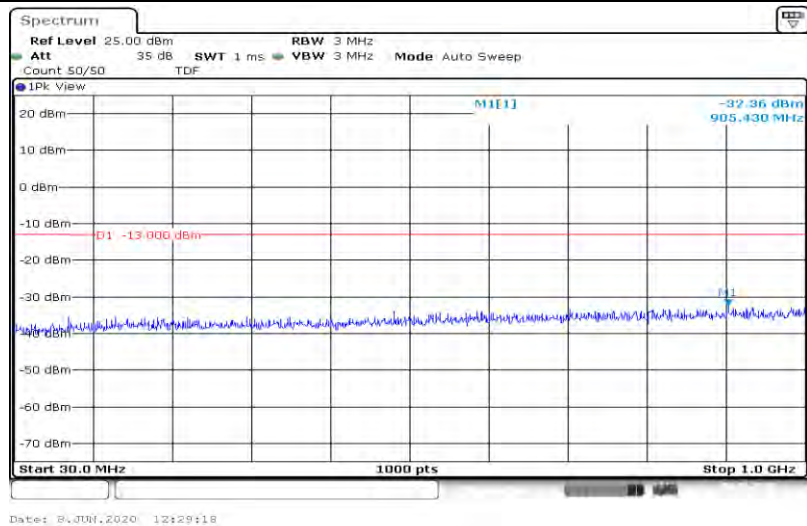


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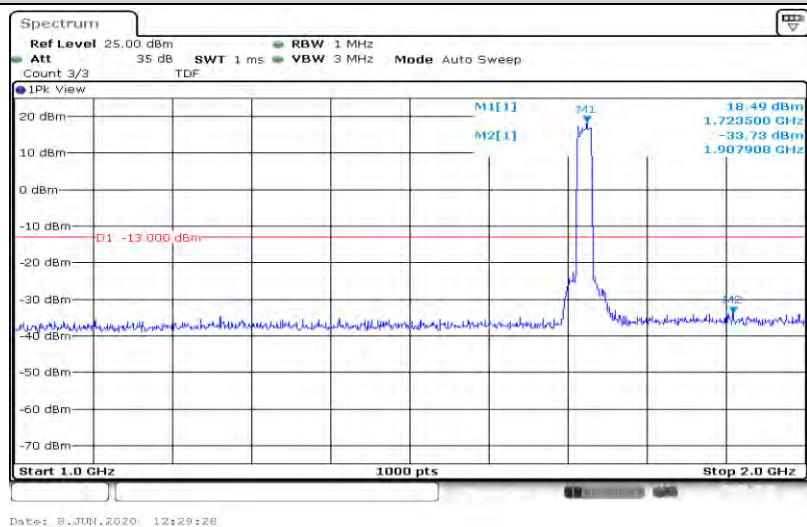
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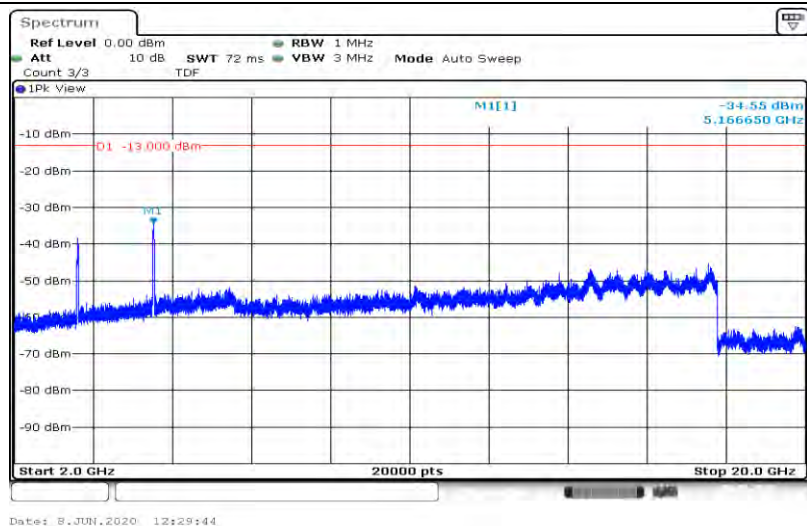
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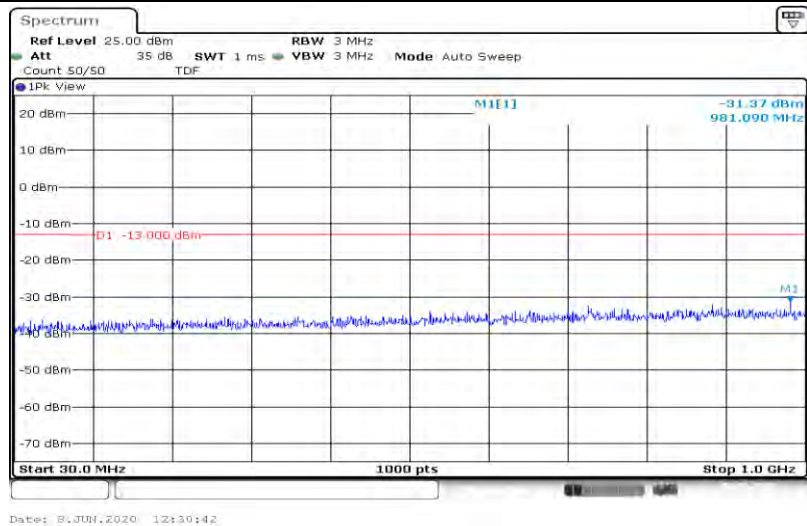
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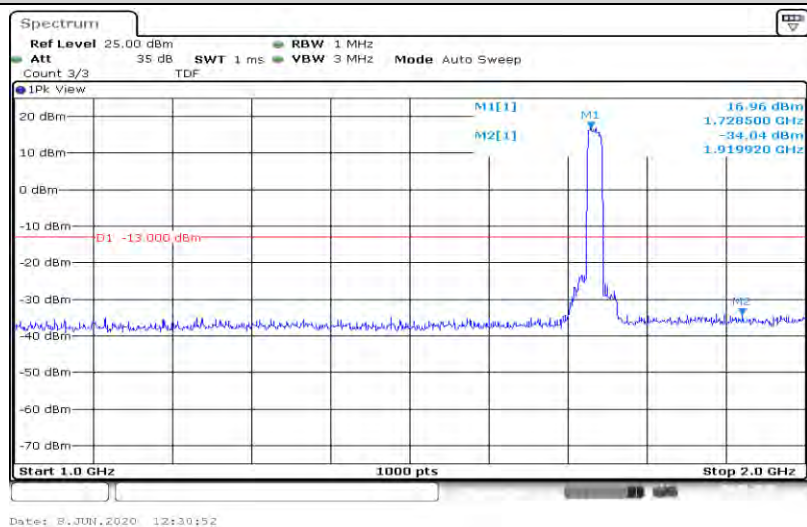
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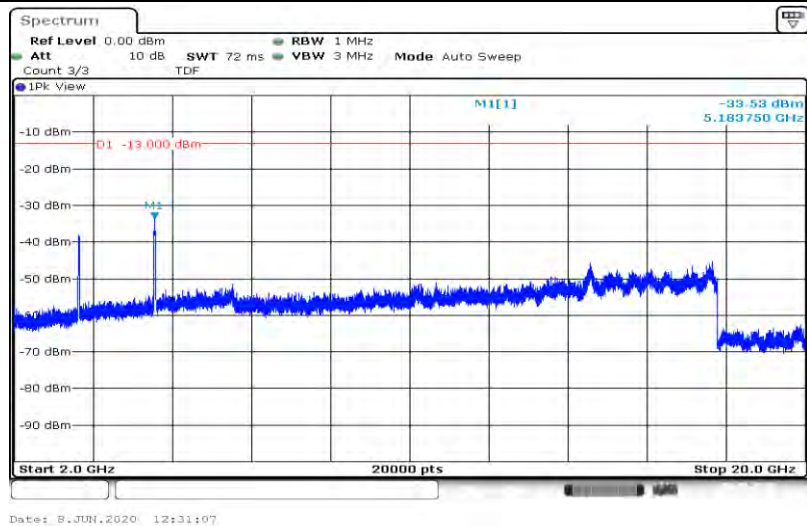
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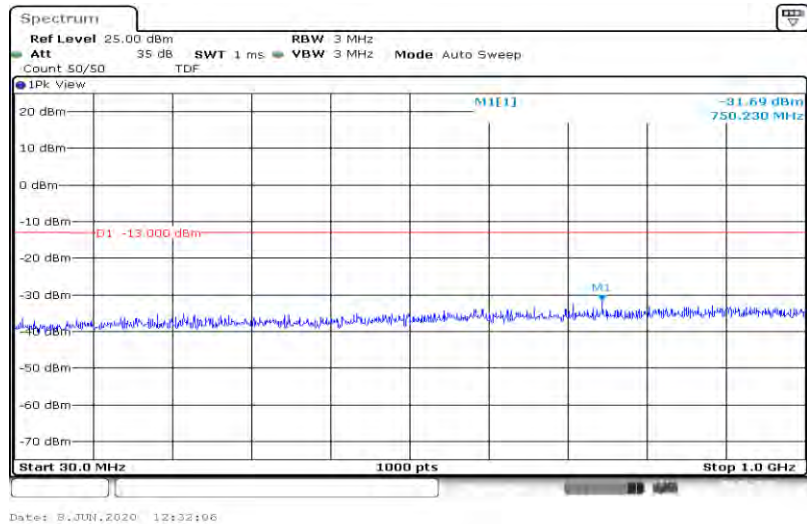
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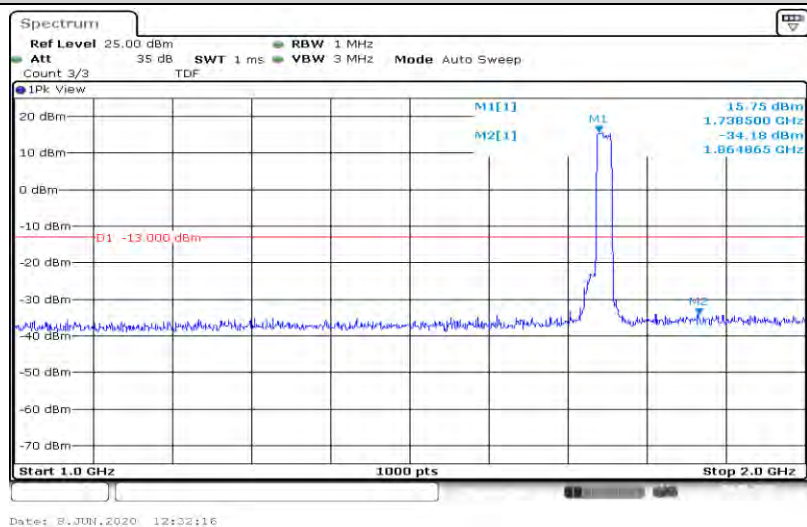
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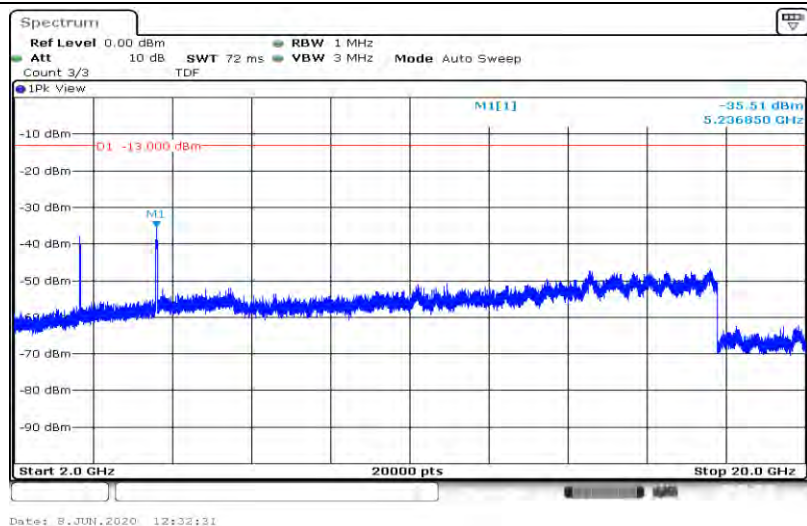
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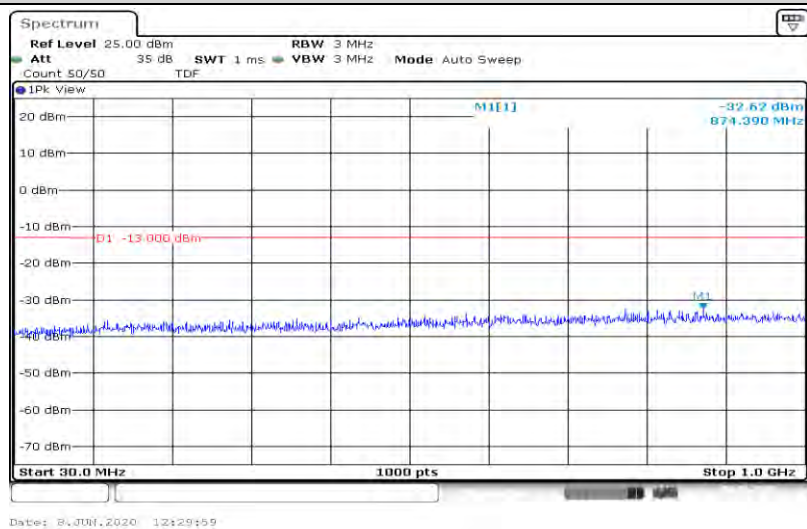
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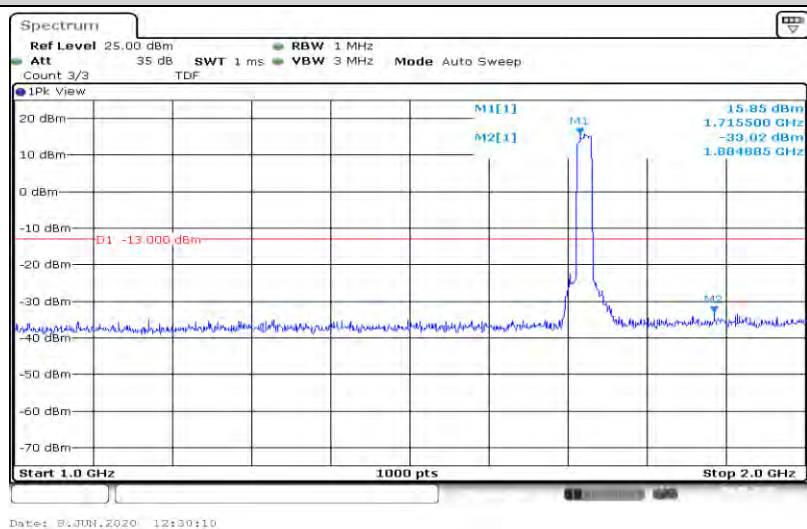
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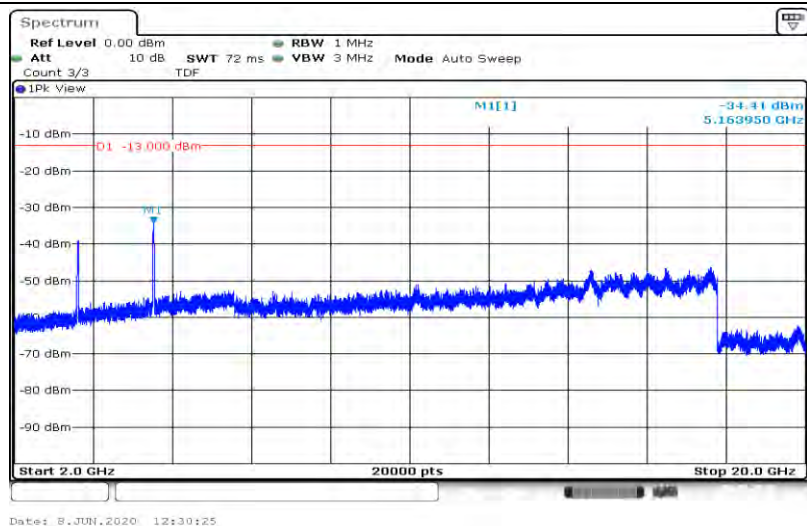
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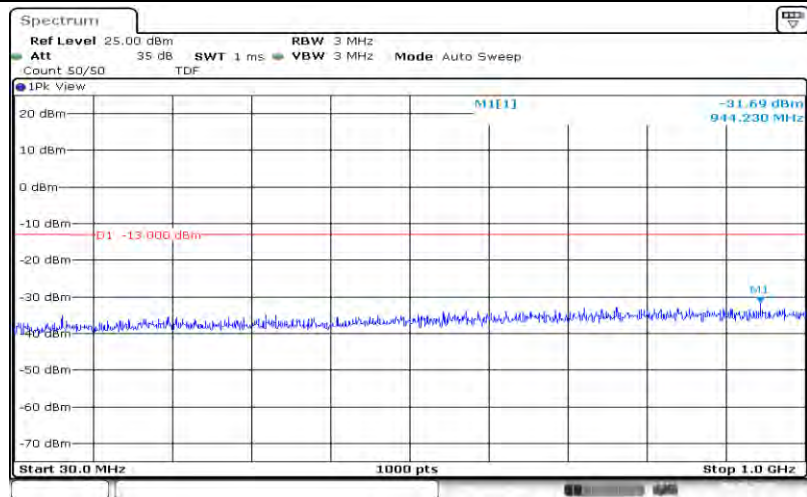


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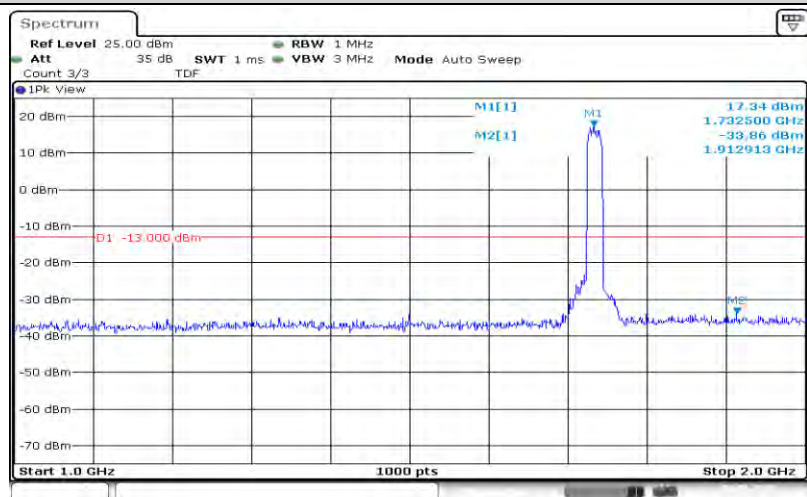
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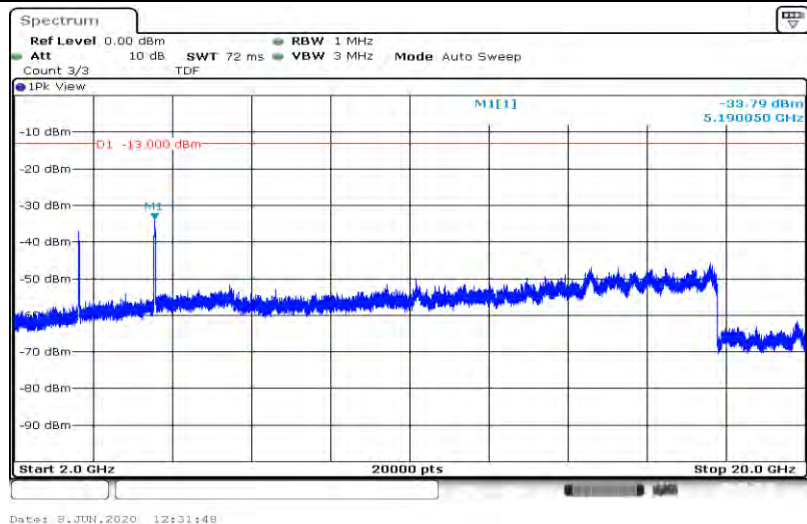
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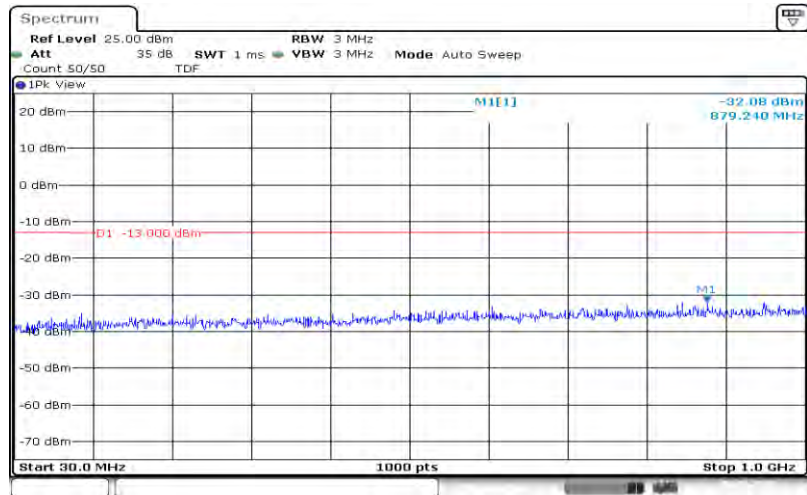
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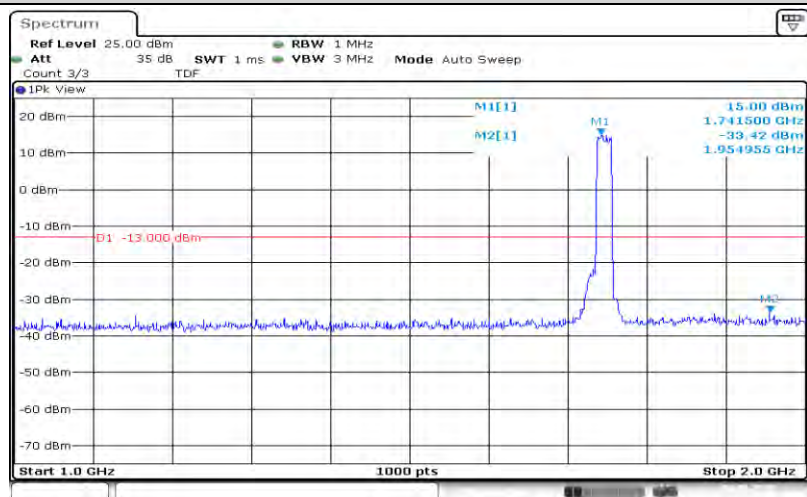
Date: 8 JUN 2020 12:31:48

Band4-20MHz-16QAM-20300-100RB#0-Range1:30~1000MHz



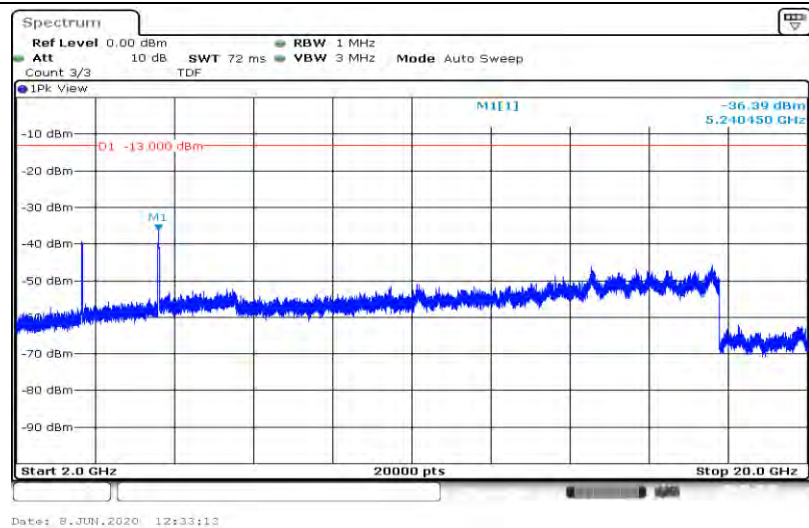
Date: 8 JUN 2020 12:32:47

Band4-20MHz-16QAM-20300-100RB#0-Range2:1000~2000MHz



Date: 8 JUN 2020 12:32:57

Band4-20MHz-16QAM-20300-100RB#0-Range3:2000~20000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
@FCC_Frequency_stability@										
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
@FCC_Frequency_stability_Temperature@										
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict