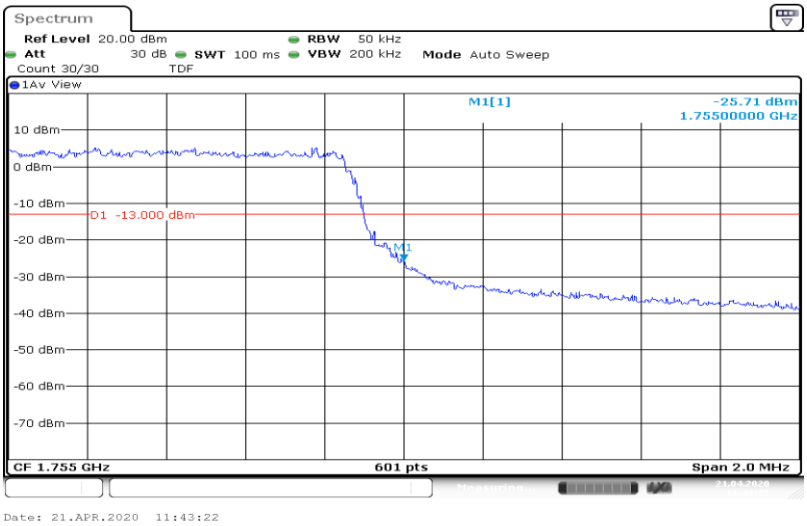
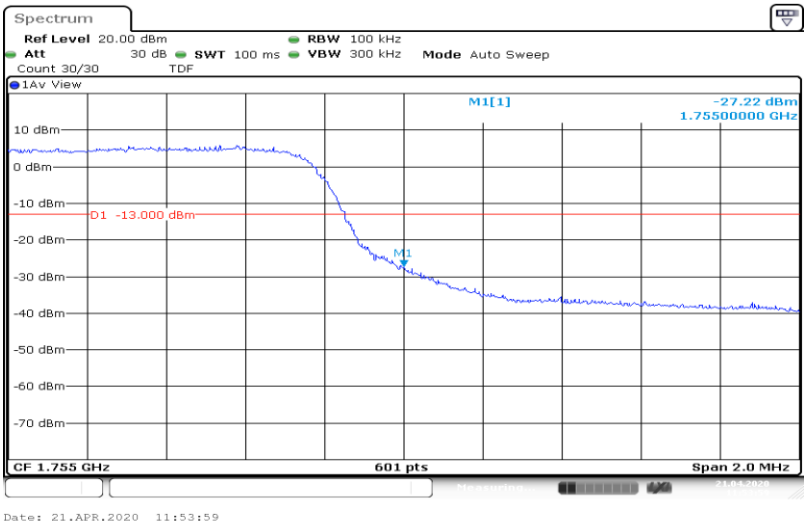
Band4-3MHz-16QAM-20385-15RB#0



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

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



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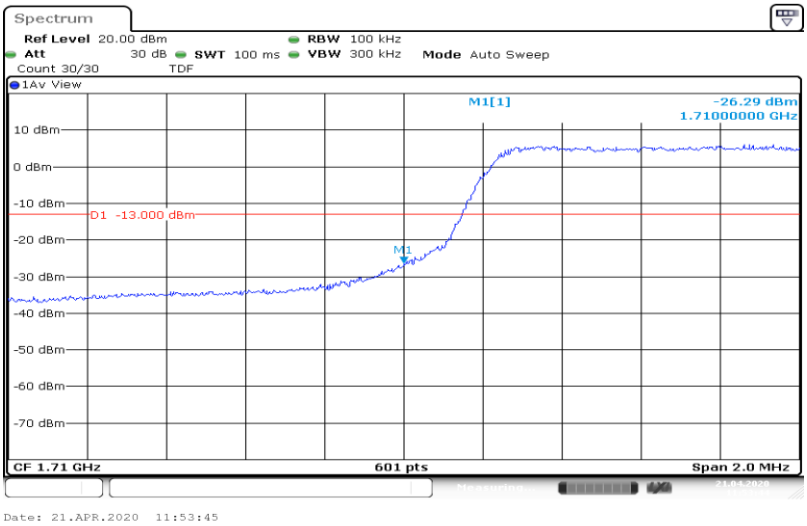

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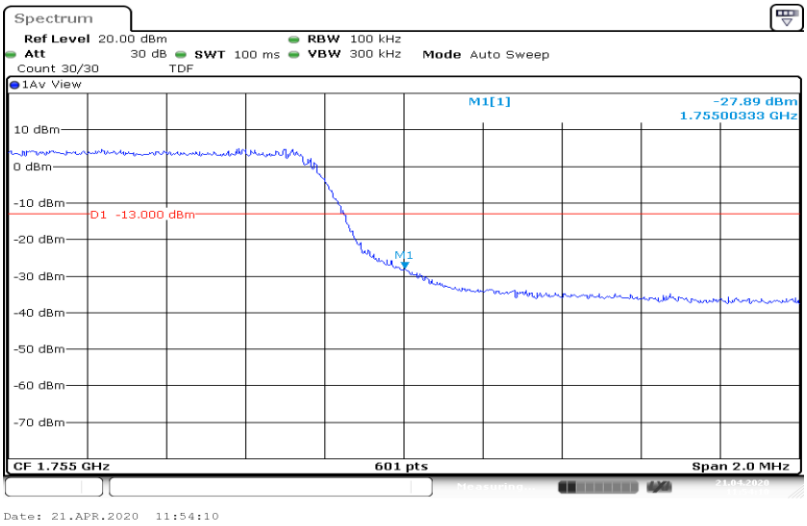

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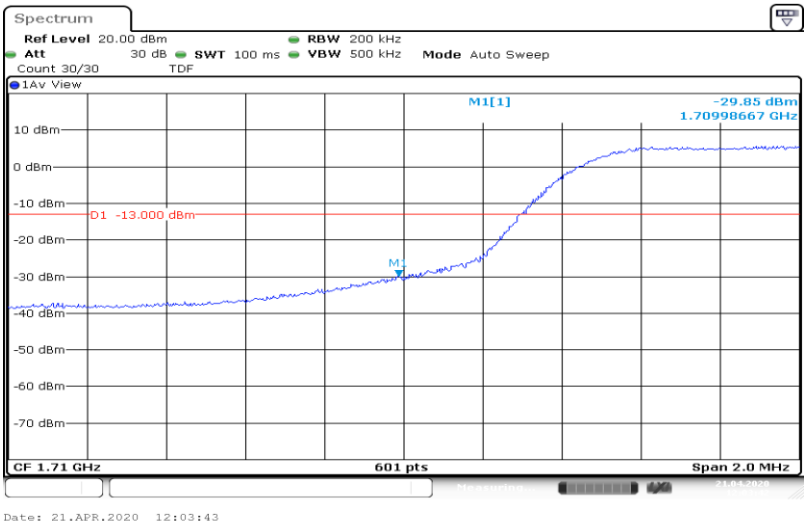

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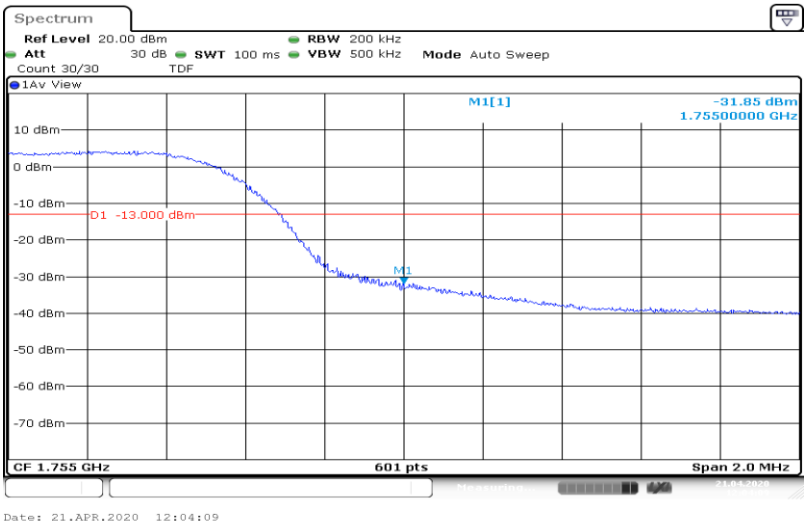
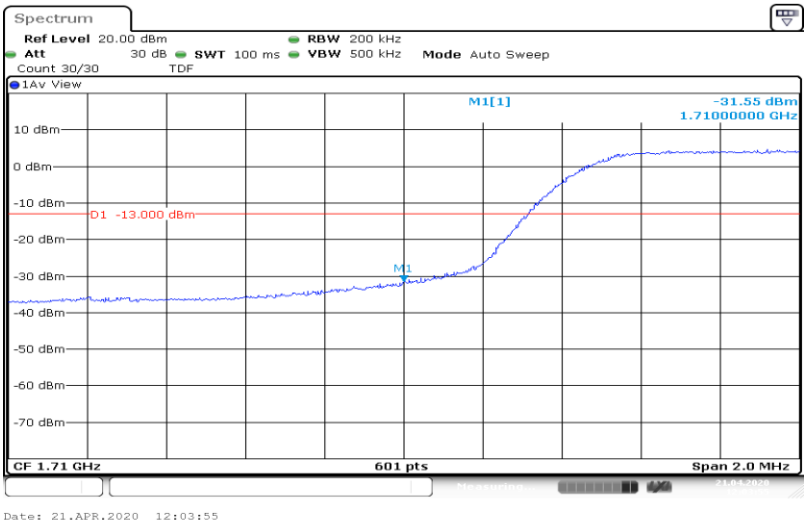


Band4-10MHz-16QAM-20000-50RB#0



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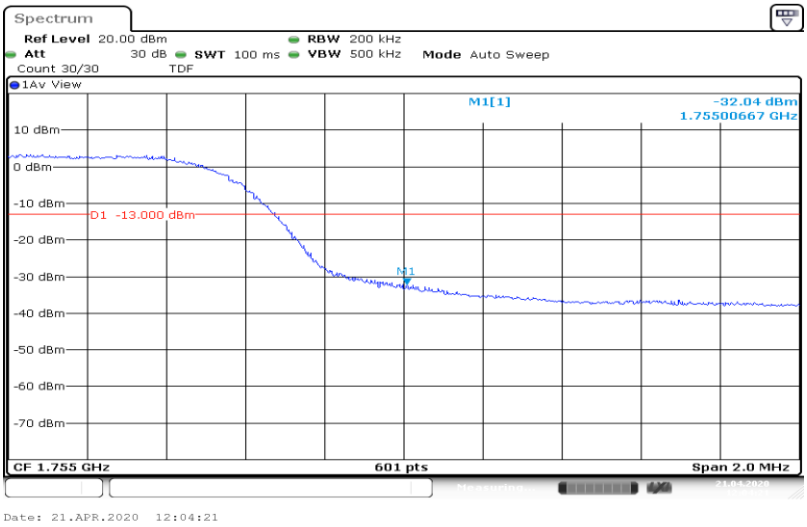

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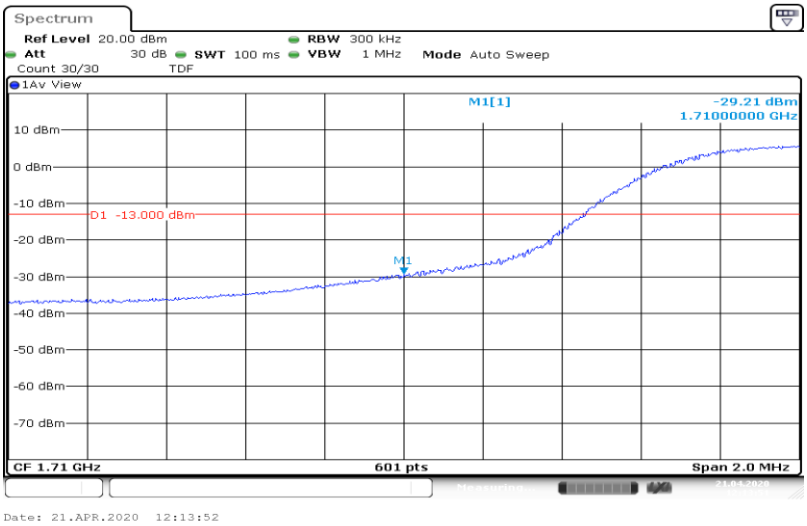
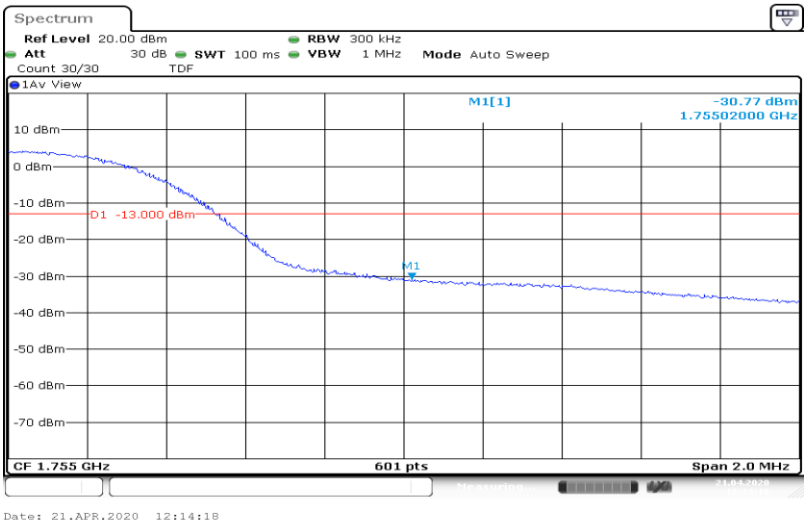


Band4-15MHz-QPSK-20325-75RB#0



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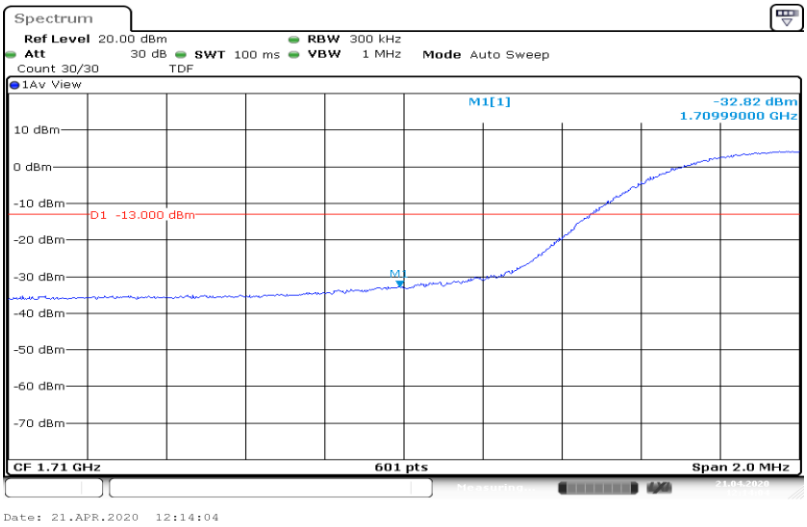

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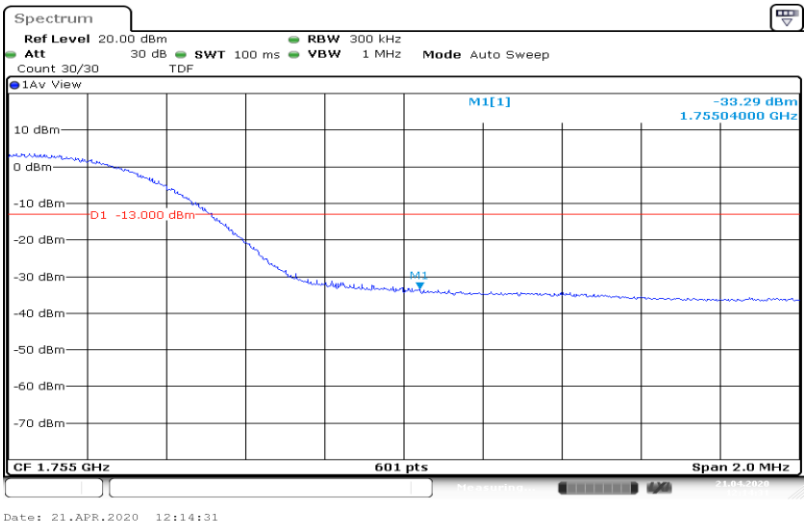
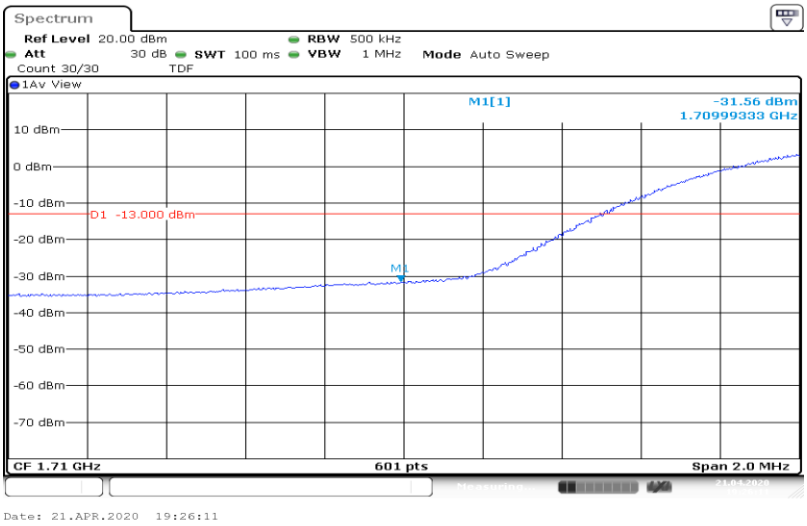
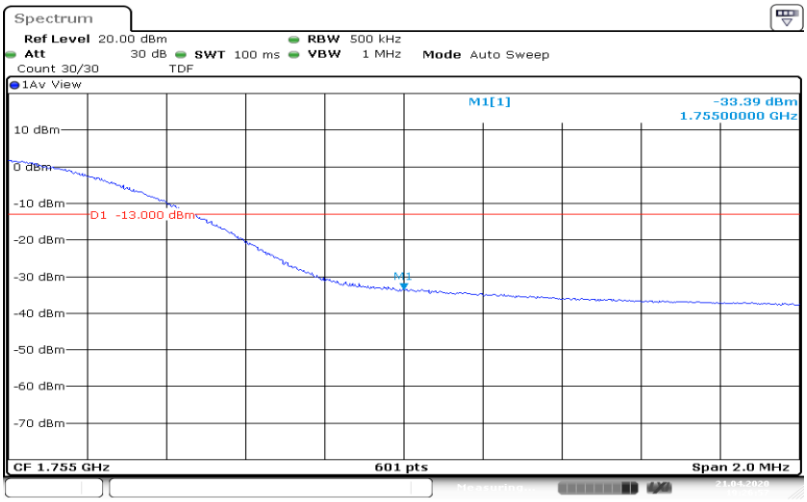


Band4-20MHz-QPSK-20050-100RB#0



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



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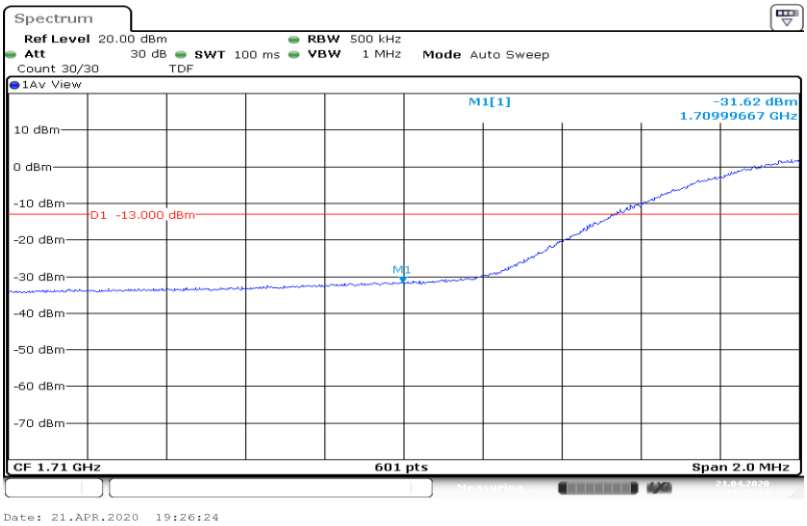

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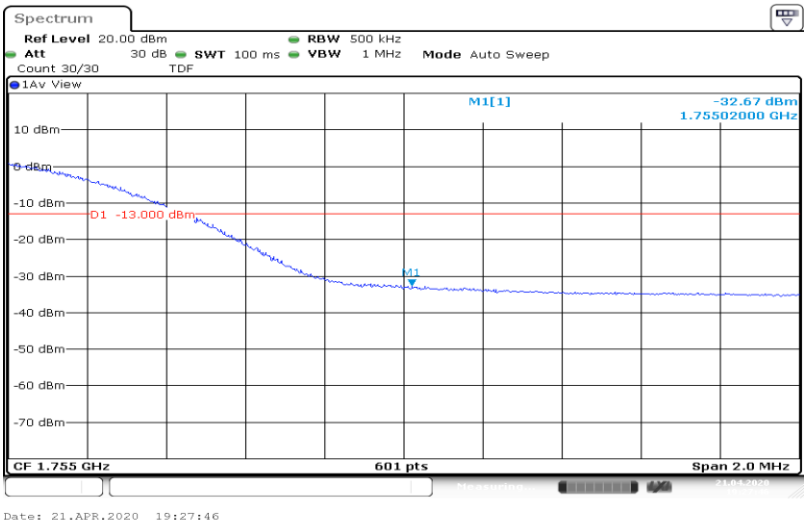


Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band 4	1.4MHz	QPSK	19957	6RB#0	Range1:30~1000MHz	-32.43	PASS
Band 4	1.4MHz	QPSK	19957	6RB#0	Range2:1000~2000MHz	-33.59	PASS
Band 4	1.4MHz	QPSK	19957	6RB#0	Range3:2000~20000MHz	-16.6	PASS
Band 4	1.4MHz	QPSK	20175	6RB#0	Range1:30~1000MHz	-32.88	PASS
Band 4	1.4MHz	QPSK	20175	6RB#0	Range2:1000~2000MHz	-34.24	PASS
Band 4	1.4MHz	QPSK	20175	6RB#0	Range3:2000~20000MHz	-18.7	PASS
Band 4	1.4MHz	QPSK	20393	6RB#0	Range1:30~1000MHz	-32.14	PASS
Band 4	1.4MHz	QPSK	20393	6RB#0	Range2:1000~2000MHz	-33.22	PASS
Band 4	1.4MHz	QPSK	20393	6RB#0	Range3:2000~20000MHz	-19.8	PASS
Band 4	1.4MHz	16QAM	19957	6RB#0	Range1:30~1000MHz	-32.38	PASS
Band 4	1.4MHz	16QAM	19957	6RB#0	Range2:1000~2000MHz	-33.02	PASS
Band 4	1.4MHz	16QAM	19957	6RB#0	Range3:2000~20000MHz	-17.43	PASS
Band 4	1.4MHz	16QAM	20175	6RB#0	Range1:30~1000MHz	-31.82	PASS
Band 4	1.4MHz	16QAM	20175	6RB#0	Range2:1000~2000MHz	-33.55	PASS
Band 4	1.4MHz	16QAM	20175	6RB#0	Range3:2000~20000MHz	-20.31	PASS
Band 4	1.4MHz	16QAM	20393	6RB#0	Range1:30~1000MHz	-32.14	PASS
Band 4	1.4MHz	16QAM	20393	6RB#0	Range2:1000~2000MHz	-33.08	PASS
Band	1.4MHz	16QAM	20393	6RB#0	Range3:2000~20000	-20.13	PASS

4					MHz		
Band 4	3MHz	QPSK	19965	15RB#0	Range1:30~1000MHz	-32.88	PASS
Band 4	3MHz	QPSK	19965	15RB#0	Range2:1000~2000MHz	-33.49	PASS
Band 4	3MHz	QPSK	19965	15RB#0	Range3:2000~20000MHz	-22.65	PASS
Band 4	3MHz	QPSK	20175	15RB#0	Range1:30~1000MHz	-36.72	PASS
Band 4	3MHz	QPSK	20175	15RB#0	Range2:1000~2000MHz	-33.34	PASS
Band 4	3MHz	QPSK	20175	15RB#0	Range3:2000~20000MHz	-21.83	PASS
Band 4	3MHz	QPSK	20385	15RB#0	Range1:30~1000MHz	-32.53	PASS
Band 4	3MHz	QPSK	20385	15RB#0	Range2:1000~2000MHz	-34.08	PASS
Band 4	3MHz	QPSK	20385	15RB#0	Range3:2000~20000MHz	-25.43	PASS
Band 4	3MHz	16QAM	19965	15RB#0	Range1:30~1000MHz	-31.88	PASS
Band 4	3MHz	16QAM	19965	15RB#0	Range2:1000~2000MHz	-32.7	PASS
Band 4	3MHz	16QAM	19965	15RB#0	Range3:2000~20000MHz	-21.5	PASS
Band 4	3MHz	16QAM	20175	15RB#0	Range1:30~1000MHz	-32.26	PASS
Band 4	3MHz	16QAM	20175	15RB#0	Range2:1000~2000MHz	-34.07	PASS
Band 4	3MHz	16QAM	20175	15RB#0	Range3:2000~20000MHz	-22.82	PASS
Band 4	3MHz	16QAM	20385	15RB#0	Range1:30~1000MHz	-31.88	PASS
Band 4	3MHz	16QAM	20385	15RB#0	Range2:1000~2000MHz	-34.08	PASS
Band 4	3MHz	16QAM	20385	15RB#0	Range3:2000~20000MHz	-23.93	PASS
Band 4	5MHz	QPSK	19975	25RB#0	Range1:30~1000MHz	-32.26	PASS
Band 4	5MHz	QPSK	19975	25RB#0	Range2:1000~2000MHz	-33.78	PASS
Band 4	5MHz	QPSK	19975	25RB#0	Range3:2000~20000MHz	-25.71	PASS

Band 4	5MHz	QPSK	20175	25RB#0	Range1:30~1000MHz	-32.18	PASS
Band 4	5MHz	QPSK	20175	25RB#0	Range2:1000~2000MHz	-32.98	PASS
Band 4	5MHz	QPSK	20175	25RB#0	Range3:2000~20000MHz	-25.95	PASS
Band 4	5MHz	QPSK	20375	25RB#0	Range1:30~1000MHz	-32.48	PASS
Band 4	5MHz	QPSK	20375	25RB#0	Range2:1000~2000MHz	-33.86	PASS
Band 4	5MHz	QPSK	20375	25RB#0	Range3:2000~20000MHz	-28.17	PASS
Band 4	5MHz	16QAM	19975	25RB#0	Range1:30~1000MHz	-32.57	PASS
Band 4	5MHz	16QAM	19975	25RB#0	Range2:1000~2000MHz	-32.81	PASS
Band 4	5MHz	16QAM	19975	25RB#0	Range3:2000~20000MHz	-25.23	PASS
Band 4	5MHz	16QAM	20175	25RB#0	Range1:30~1000MHz	-32.59	PASS
Band 4	5MHz	16QAM	20175	25RB#0	Range2:1000~2000MHz	-33.91	PASS
Band 4	5MHz	16QAM	20175	25RB#0	Range3:2000~20000MHz	-25.53	PASS
Band 4	5MHz	16QAM	20375	25RB#0	Range1:30~1000MHz	-32.23	PASS
Band 4	5MHz	16QAM	20375	25RB#0	Range2:1000~2000MHz	-33.79	PASS
Band 4	5MHz	16QAM	20375	25RB#0	Range3:2000~20000MHz	-27.29	PASS
Band 4	10MHz	QPSK	20000	50RB#0	Range1:30~1000MHz	-31.56	PASS
Band 4	10MHz	QPSK	20000	50RB#0	Range2:1000~2000MHz	-33.19	PASS
Band 4	10MHz	QPSK	20000	50RB#0	Range3:2000~20000MHz	-29.82	PASS
Band 4	10MHz	QPSK	20175	50RB#0	Range1:30~1000MHz	-31.93	PASS
Band 4	10MHz	QPSK	20175	50RB#0	Range2:1000~2000MHz	-32.66	PASS
Band 4	10MHz	QPSK	20175	50RB#0	Range3:2000~20000MHz	-29.55	PASS
Band 4	10MHz	QPSK	20350	50RB#0	Range1:30~1000MHz	-32.54	PASS

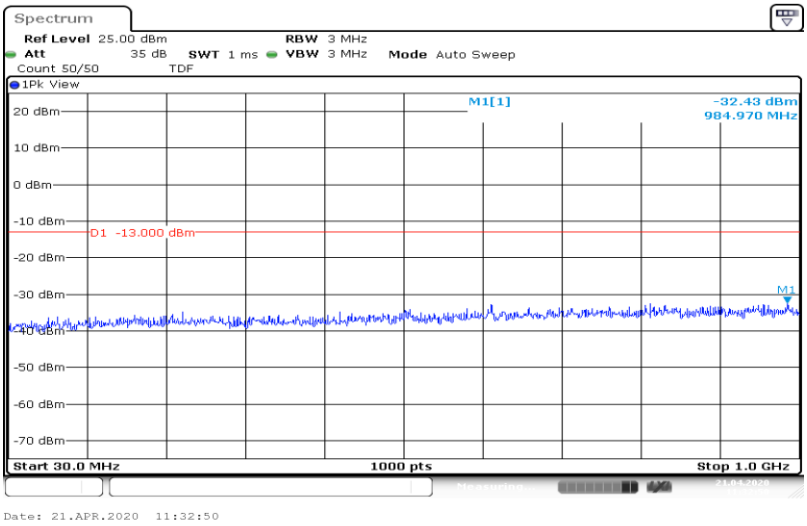
Band 4	10MHz	QPSK	20350	50RB#0	Range2:1000~2000MHz	-33.88	PASS
Band 4	10MHz	QPSK	20350	50RB#0	Range3:2000~20000MHz	-27.82	PASS
Band 4	10MHz	16QAM	20000	50RB#0	Range1:30~1000MHz	-32.6	PASS
Band 4	10MHz	16QAM	20000	50RB#0	Range2:1000~2000MHz	-33.28	PASS
Band 4	10MHz	16QAM	20000	50RB#0	Range3:2000~20000MHz	-27.37	PASS
Band 4	10MHz	16QAM	20175	50RB#0	Range1:30~1000MHz	-32.6	PASS
Band 4	10MHz	16QAM	20175	50RB#0	Range2:1000~2000MHz	-33.85	PASS
Band 4	10MHz	16QAM	20175	50RB#0	Range3:2000~20000MHz	-27.51	PASS
Band 4	10MHz	16QAM	20350	50RB#0	Range1:30~1000MHz	-32.22	PASS
Band 4	10MHz	16QAM	20350	50RB#0	Range2:1000~2000MHz	-33.21	PASS
Band 4	10MHz	16QAM	20350	50RB#0	Range3:2000~20000MHz	-27.27	PASS
Band 4	15MHz	QPSK	20025	75RB#0	Range1:30~1000MHz	-32.17	PASS
Band 4	15MHz	QPSK	20025	75RB#0	Range2:1000~2000MHz	-33.53	PASS
Band 4	15MHz	QPSK	20025	75RB#0	Range3:2000~20000MHz	-29.71	PASS
Band 4	15MHz	QPSK	20175	75RB#0	Range1:30~1000MHz	-32.2	PASS
Band 4	15MHz	QPSK	20175	75RB#0	Range2:1000~2000MHz	-33.6	PASS
Band 4	15MHz	QPSK	20175	75RB#0	Range3:2000~20000MHz	-45.73	PASS
Band 4	15MHz	QPSK	20325	75RB#0	Range1:30~1000MHz	-31.99	PASS
Band 4	15MHz	QPSK	20325	75RB#0	Range2:1000~2000MHz	-33.85	PASS
Band 4	15MHz	QPSK	20325	75RB#0	Range3:2000~20000MHz	-30.76	PASS
Band 4	15MHz	16QAM	20025	75RB#0	Range1:30~1000MHz	-31.73	PASS
Band 4	15MHz	16QAM	20025	75RB#0	Range2:1000~2000MHz	-34.03	PASS

Band 4	15MHz	16QAM	20025	75RB#0	Range3:2000~20000 MHz	-29.28	PASS
Band 4	15MHz	16QAM	20175	75RB#0	Range1:30~1000MHz	-32.41	PASS
Band 4	15MHz	16QAM	20175	75RB#0	Range2:1000~2000M Hz	-33.35	PASS
Band 4	15MHz	16QAM	20175	75RB#0	Range3:2000~20000 MHz	-31.28	PASS
Band 4	15MHz	16QAM	20325	75RB#0	Range1:30~1000MHz	-32.69	PASS
Band 4	15MHz	16QAM	20325	75RB#0	Range2:1000~2000M Hz	-33.06	PASS
Band 4	15MHz	16QAM	20325	75RB#0	Range3:2000~20000 MHz	-30.84	PASS
Band 4	20MHz	QPSK	20050	100RB#0	Range1:30~1000MHz	-31.94	PASS
Band 4	20MHz	QPSK	20050	100RB#0	Range2:1000~2000M Hz	-32.69	PASS
Band 4	20MHz	QPSK	20050	100RB#0	Range3:2000~20000 MHz	-29.69	PASS
Band 4	20MHz	QPSK	20175	100RB#0	Range1:30~1000MHz	-32.46	PASS
Band 4	20MHz	QPSK	20175	100RB#0	Range2:1000~2000M Hz	-33.81	PASS
Band 4	20MHz	QPSK	20175	100RB#0	Range3:2000~20000 MHz	-46.77	PASS
Band 4	20MHz	QPSK	20300	100RB#0	Range1:30~1000MHz	-32.2	PASS
Band 4	20MHz	QPSK	20300	100RB#0	Range2:1000~2000M Hz	-34.11	PASS
Band 4	20MHz	QPSK	20300	100RB#0	Range3:2000~20000 MHz	-32.86	PASS
Band 4	20MHz	16QAM	20050	100RB#0	Range1:30~1000MHz	-32.2	PASS
Band 4	20MHz	16QAM	20050	100RB#0	Range2:1000~2000M Hz	-33.4	PASS
Band 4	20MHz	16QAM	20050	100RB#0	Range3:2000~20000 MHz	-30.74	PASS
Band 4	20MHz	16QAM	20175	100RB#0	Range1:30~1000MHz	-32	PASS
Band 4	20MHz	16QAM	20175	100RB#0	Range2:1000~2000M Hz	-33.43	PASS
Band 4	20MHz	16QAM	20175	100RB#0	Range3:2000~20000 MHz	-31.06	PASS

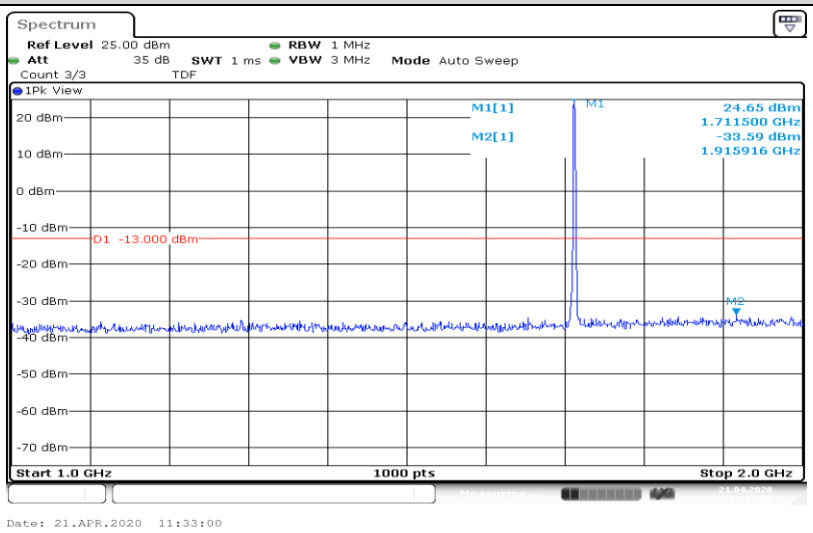
Band 4	20MHz	16QAM	20300	100RB#0	Range1:30~1000MHz	-32.15	PASS
Band 4	20MHz	16QAM	20300	100RB#0	Range2:1000~2000MHz	-33.21	PASS
Band 4	20MHz	16QAM	20300	100RB#0	Range3:2000~20000MHz	-31	PASS

Test Graphs

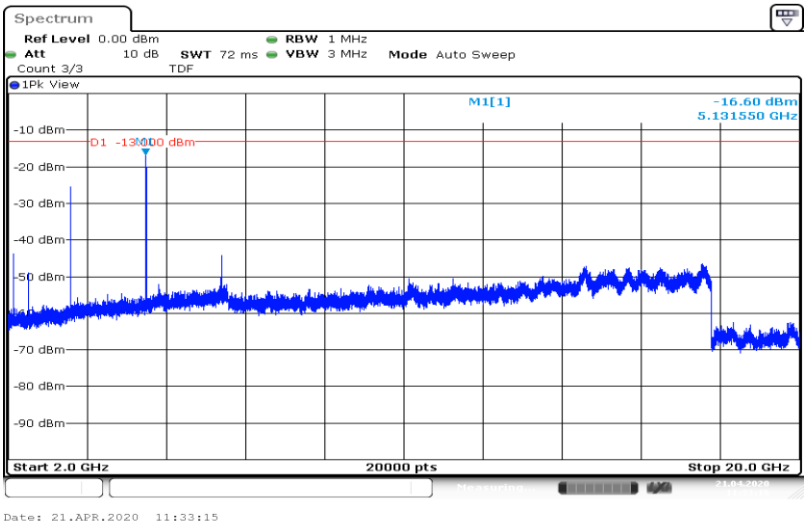
Band4-1.4MHz-QPSK-19957-6RB#0-Range1:30~1000MHz



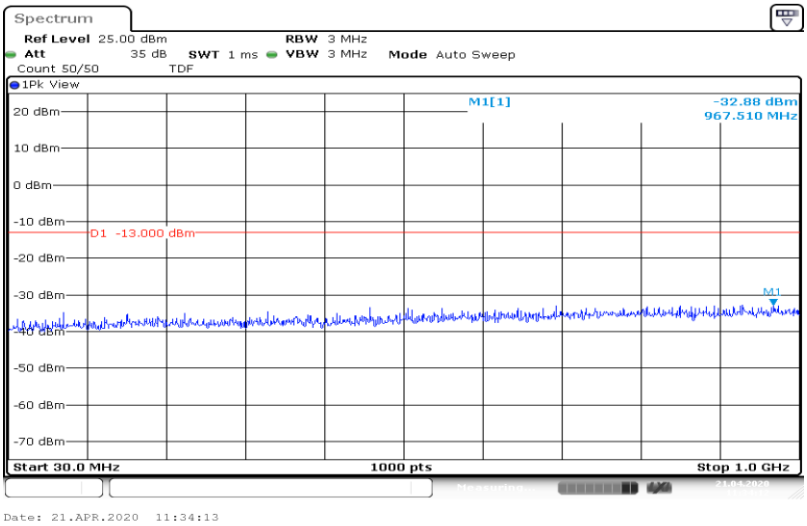
Band4-1.4MHz-QPSK-19957-6RB#0-Range2:1000~2000MHz



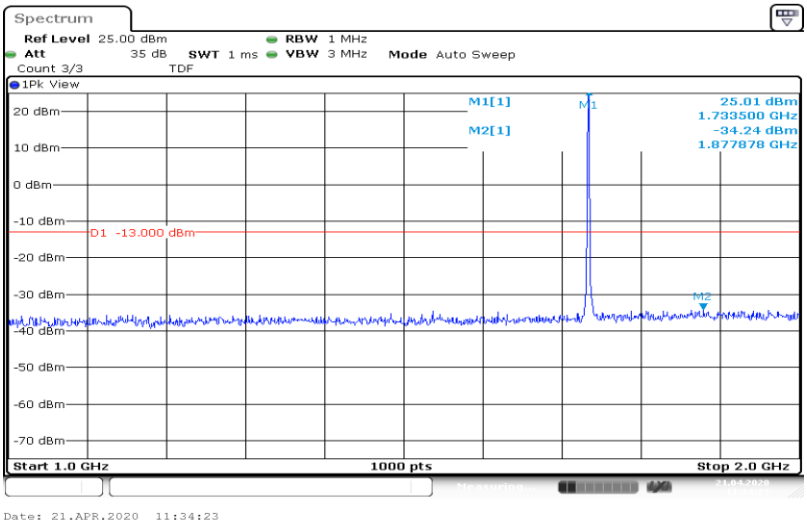
Band4-1.4MHz-QPSK-19957-6RB#0-Range3:2000~20000MHz



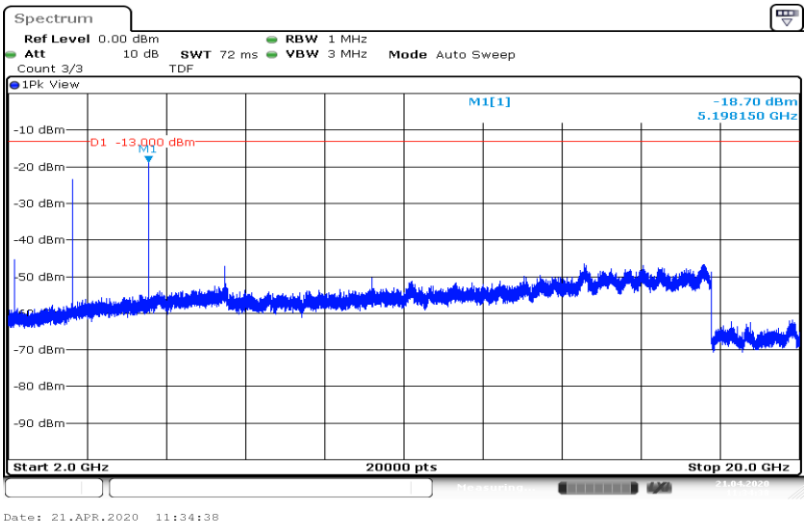
Band4-1.4MHz-QPSK-20175-6RB#0-Range1:30~1000MHz



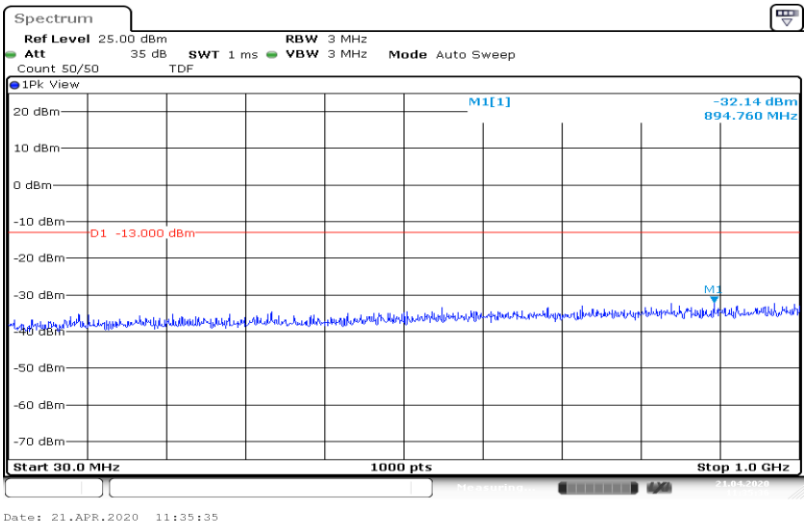
Band4-1.4MHz-QPSK-20175-6RB#0-Range2:1000~2000MHz



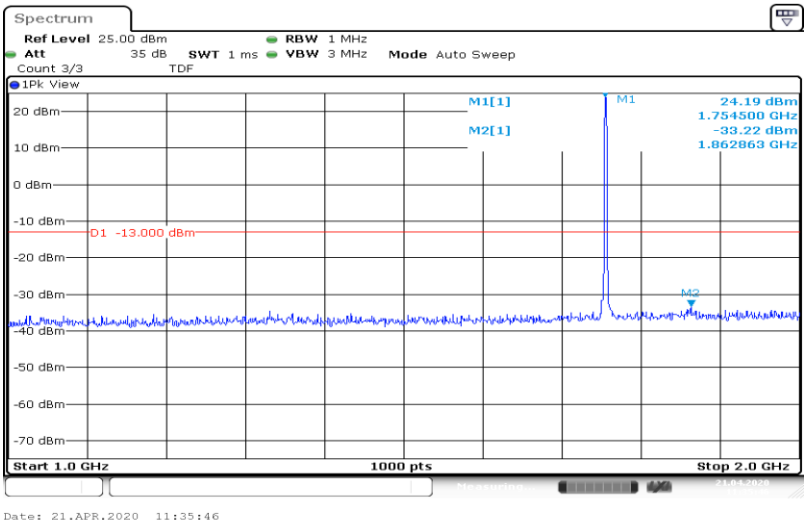
Band4-1.4MHz-QPSK-20175-6RB#0-Range3:2000~20000MHz



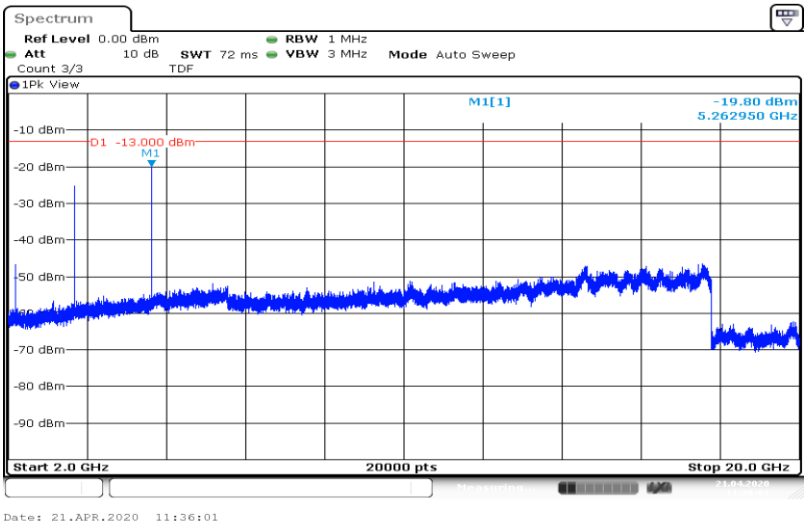
Band4-1.4MHz-QPSK-20393-6RB#0-Range1:30~1000MHz



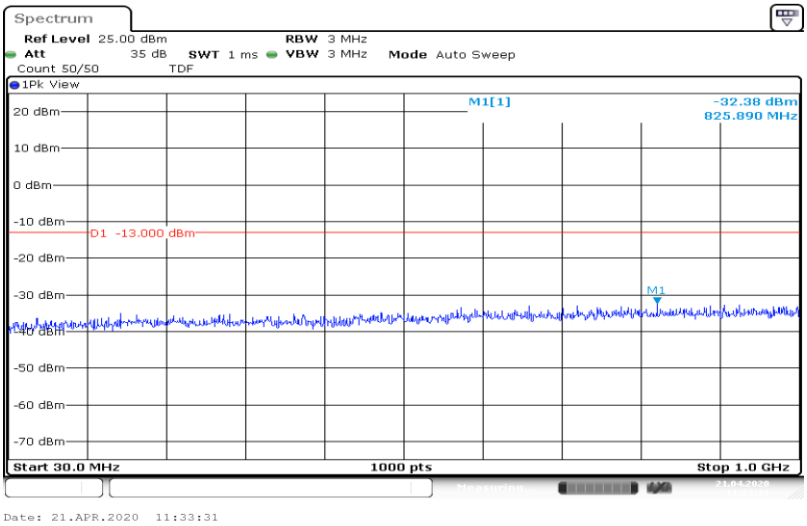
Band4-1.4MHz-QPSK-20393-6RB#0-Range2:1000~2000MHz



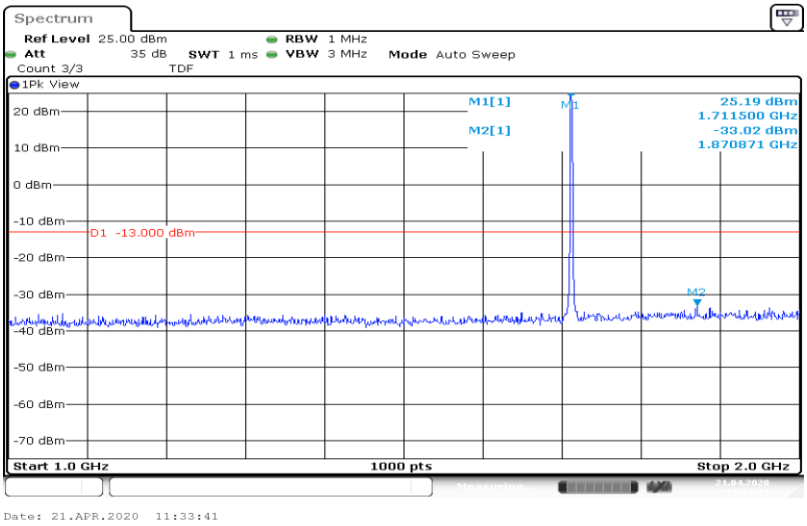
Band4-1.4MHz-QPSK-20393-6RB#0-Range3:2000~20000MHz



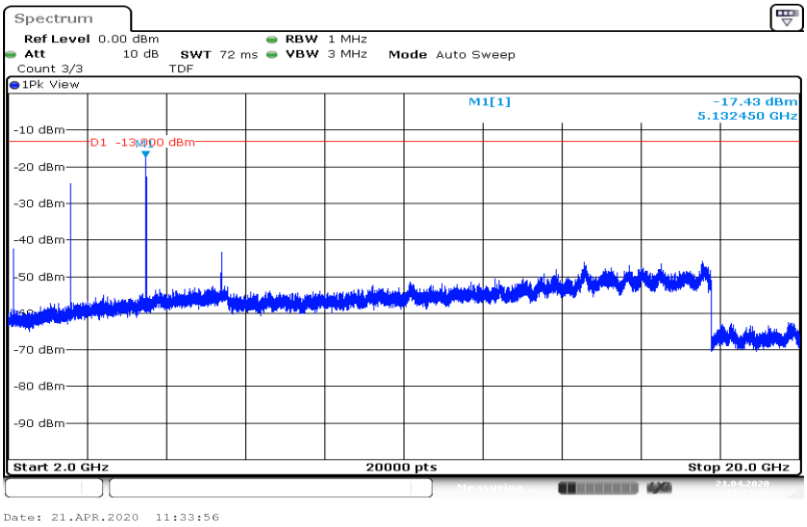
Band4-1.4MHz-16QAM-19957-6RB#0-Range1:30~1000MHz



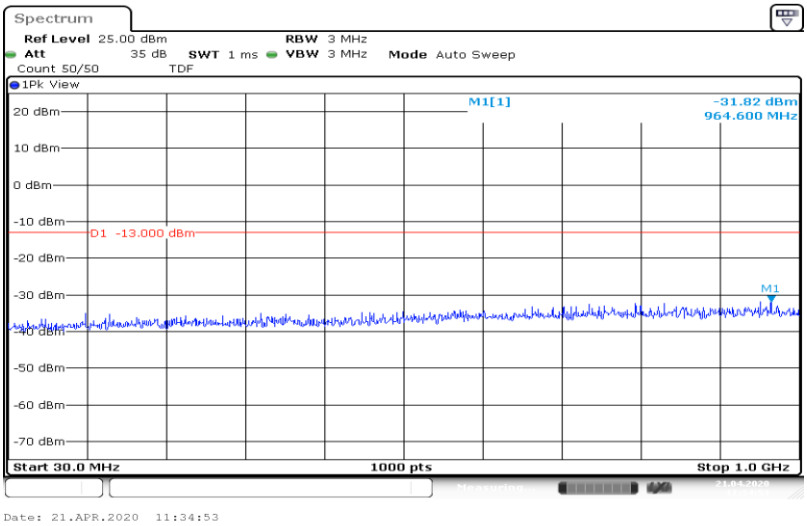
Band4-1.4MHz-16QAM-19957-6RB#0-Range2:1000~2000MHz



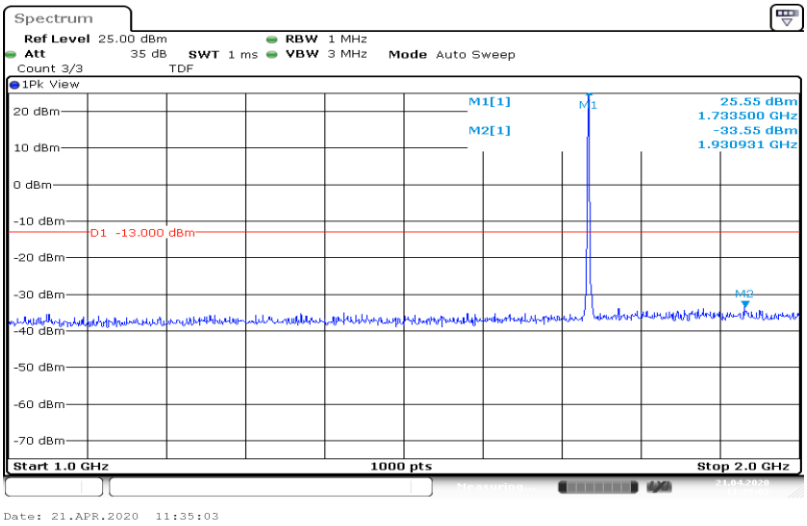
Band4-1.4MHz-16QAM-19957-6RB#0-Range3:2000~20000MHz



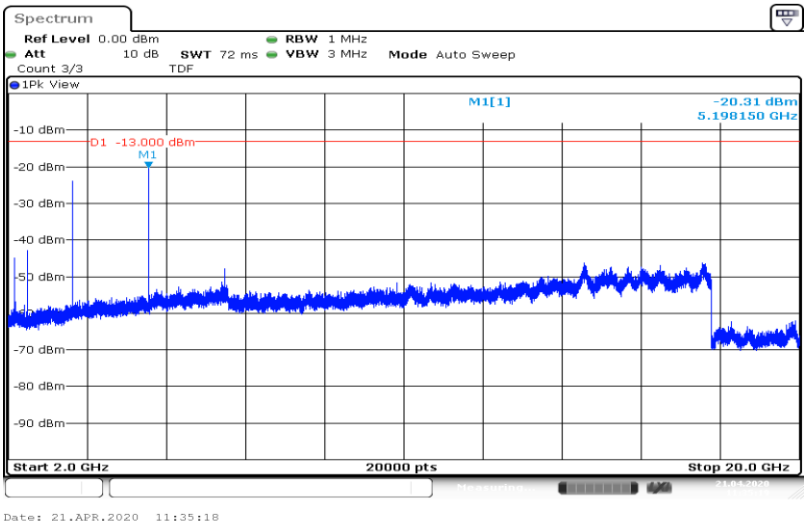
Band4-1.4MHz-16QAM-20175-6RB#0-Range1:30~1000MHz



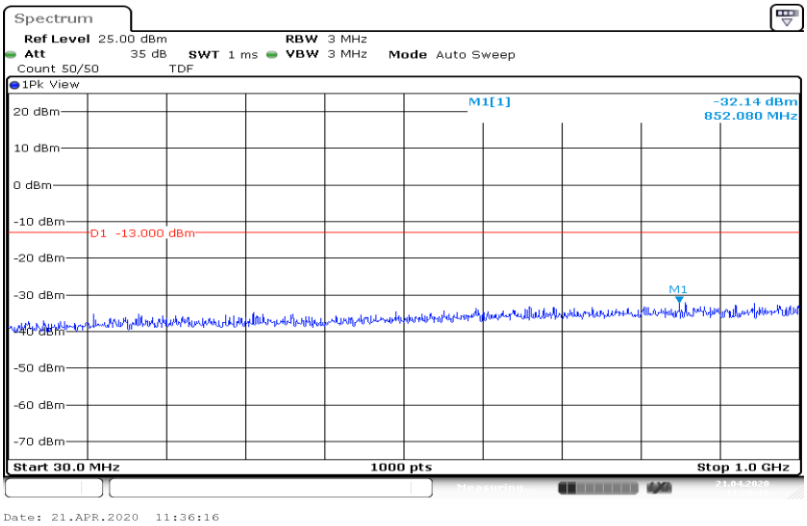
Band4-1.4MHz-16QAM-20175-6RB#0-Range2:1000~2000MHz



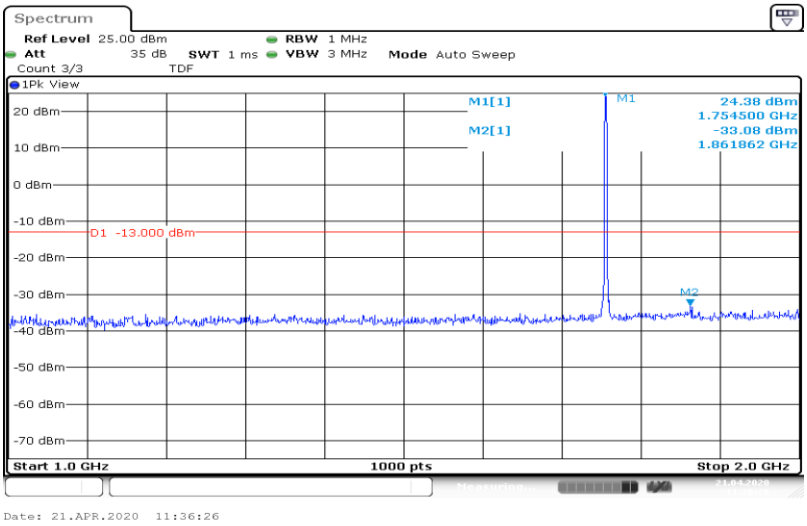
Band4-1.4MHz-16QAM-20175-6RB#0-Range3:2000~20000MHz



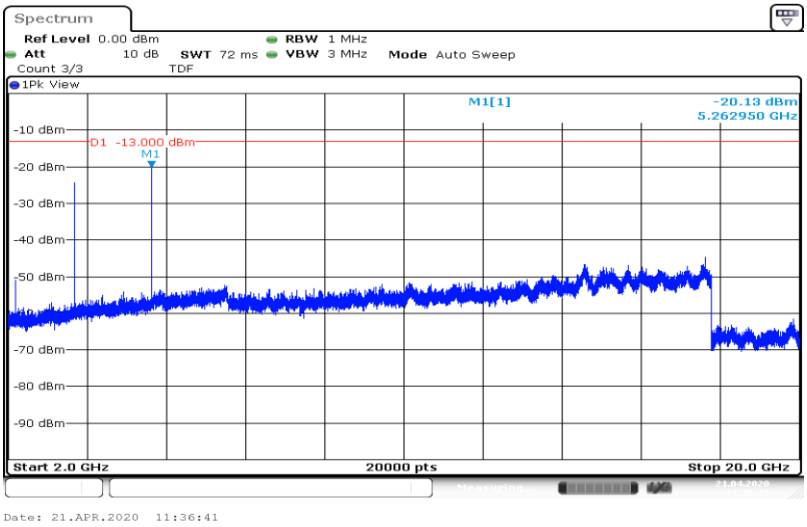
Band4-1.4MHz-16QAM-20393-6RB#0-Range1:30~1000MHz



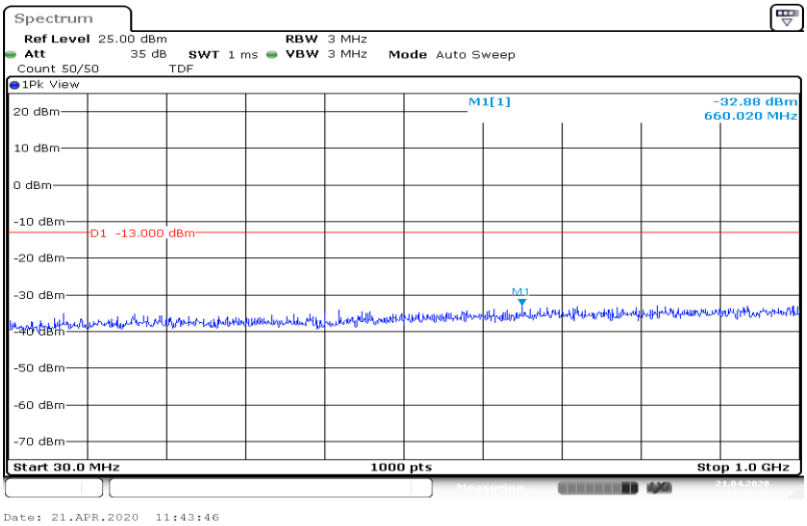
Band4-1.4MHz-16QAM-20393-6RB#0-Range2:1000~2000MHz



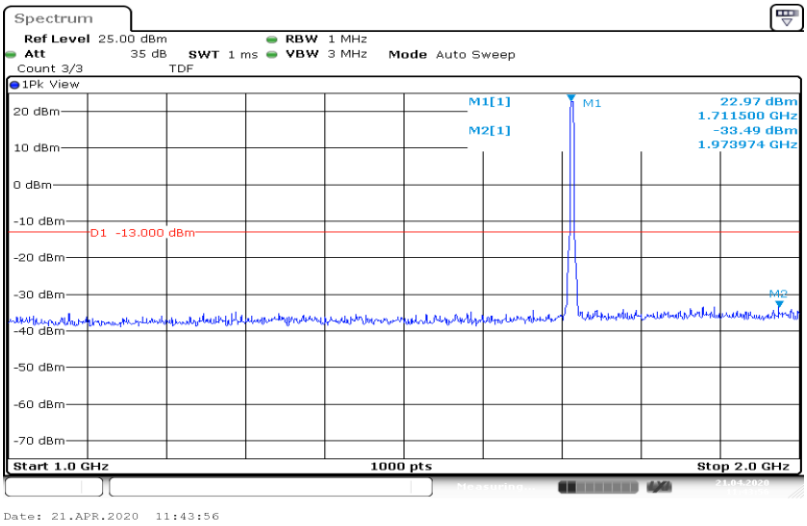
Band4-1.4MHz-16QAM-20393-6RB#0-Range3:2000~20000MHz



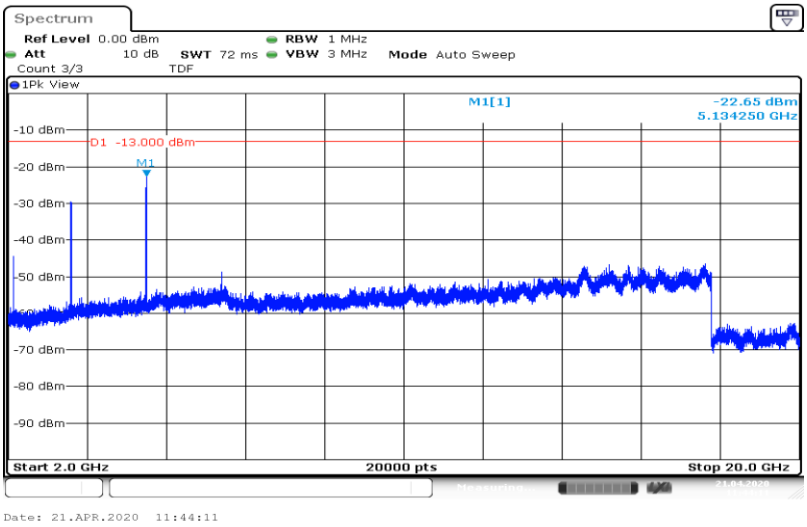
Band4-3MHz-QPSK-19965-15RB#0-Range1:30~1000MHz



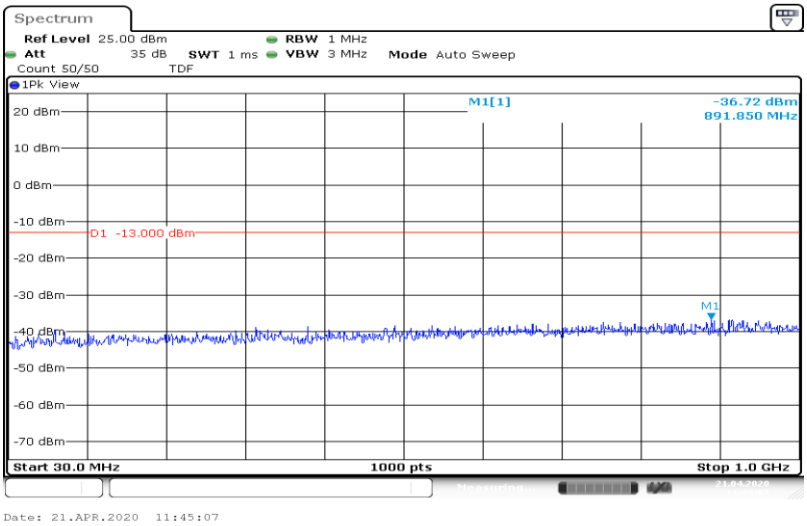
Band4-3MHz-QPSK-19965-15RB#0-Range2:1000~2000MHz



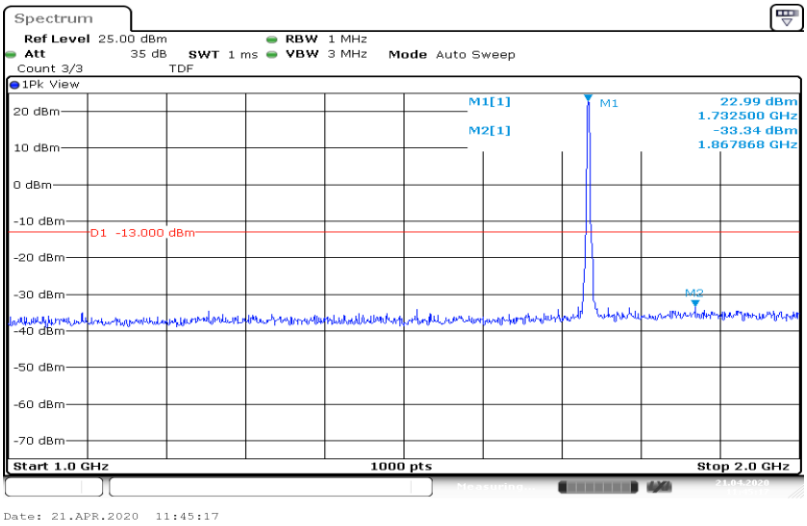
Band4-3MHz-QPSK-19965-15RB#0-Range3:2000~20000MHz



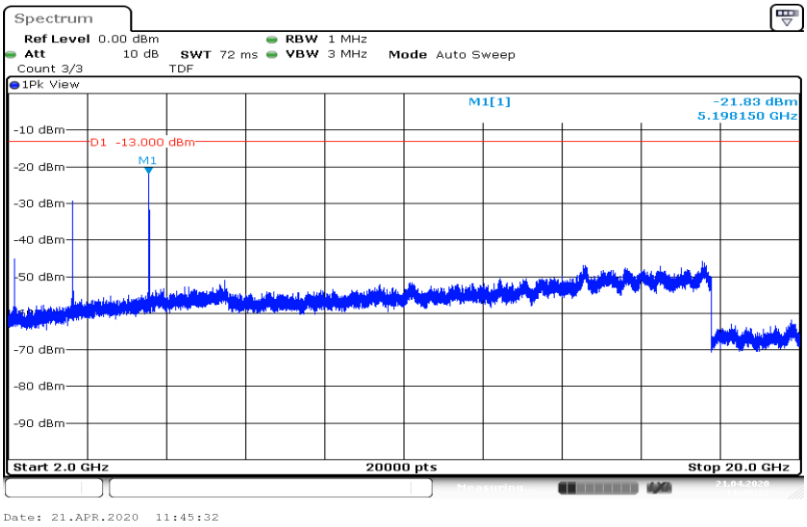
Band4-3MHz-QPSK-20175-15RB#0-Range1:30~1000MHz



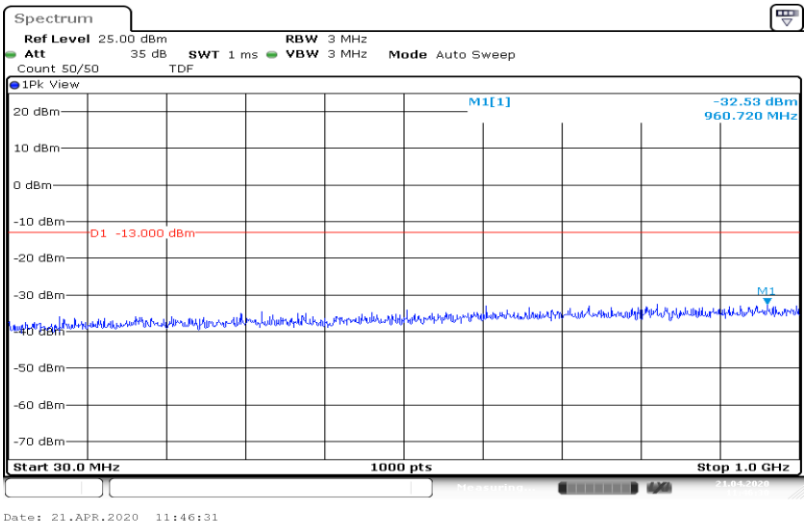
Band4-3MHz-QPSK-20175-15RB#0-Range2:1000~2000MHz



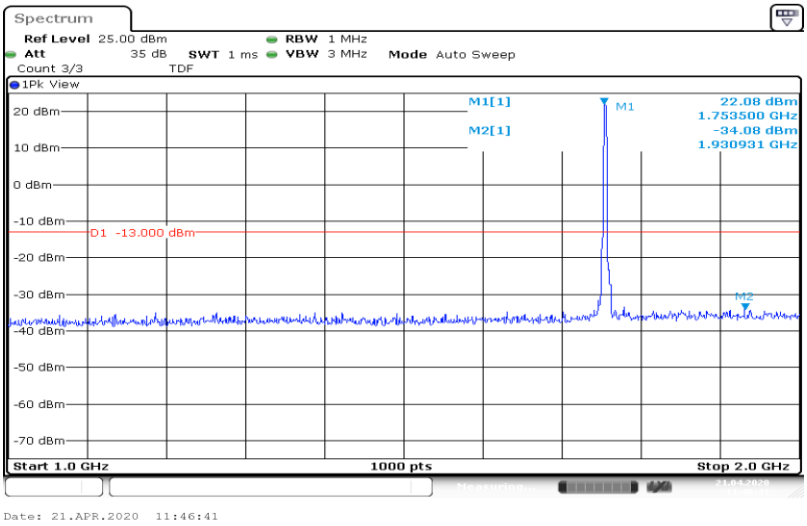
Band4-3MHz-QPSK-20175-15RB#0-Range3:2000~20000MHz



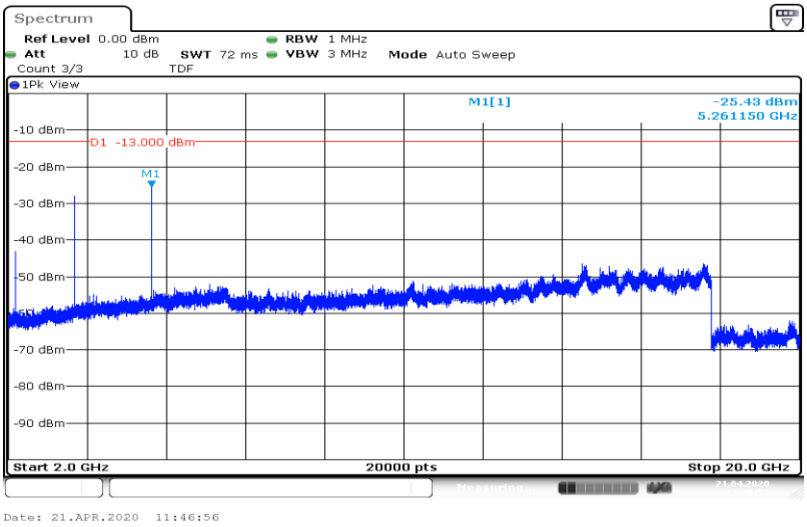
Band4-3MHz-QPSK-20385-15RB#0-Range1:30~1000MHz



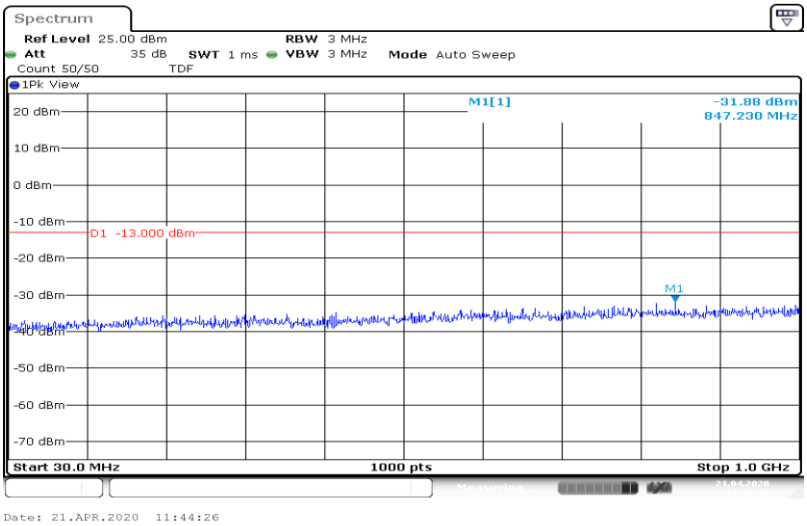
Band4-3MHz-QPSK-20385-15RB#0-Range2:1000~2000MHz



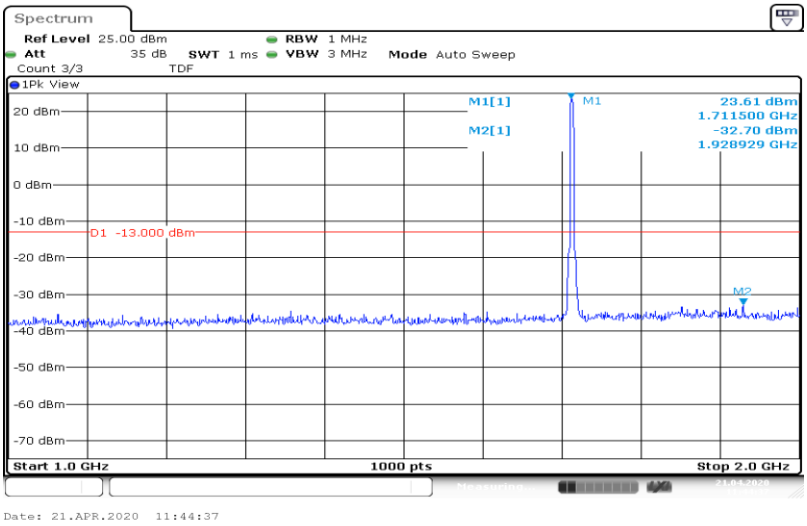
Band4-3MHz-QPSK-20385-15RB#0-Range3:2000~20000MHz



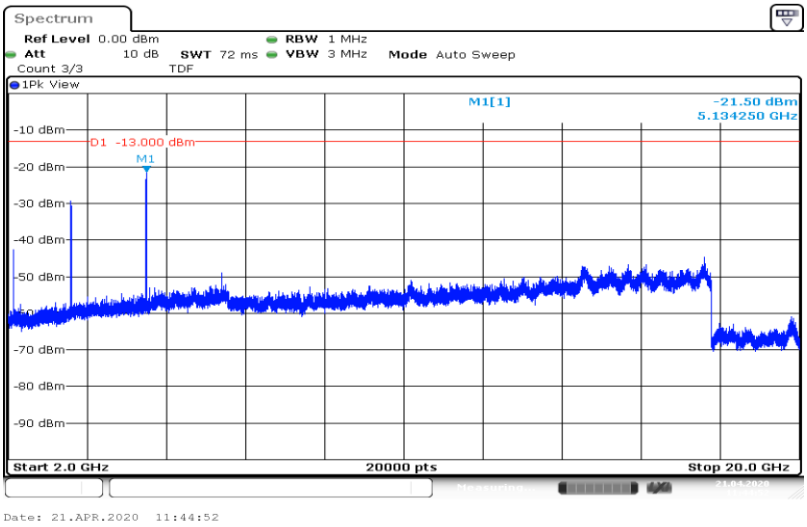
Band4-3MHz-16QAM-19965-15RB#0-Range1:30~1000MHz



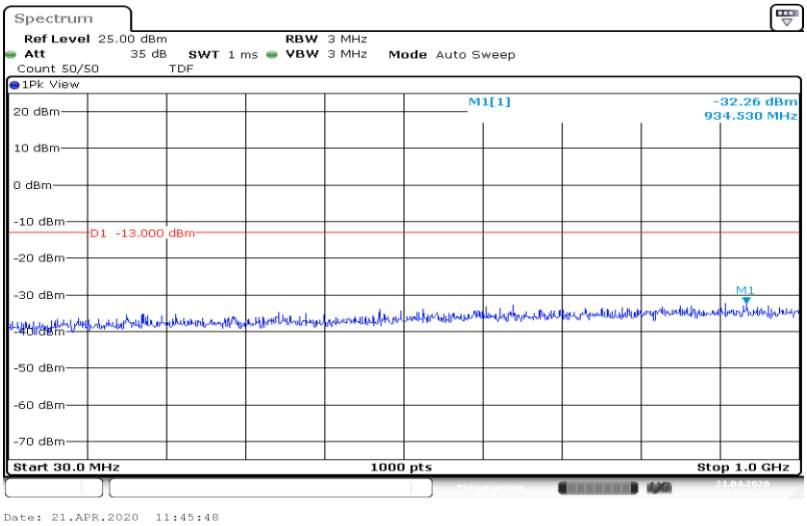
Band4-3MHz-16QAM-19965-15RB#0-Range2:1000~2000MHz



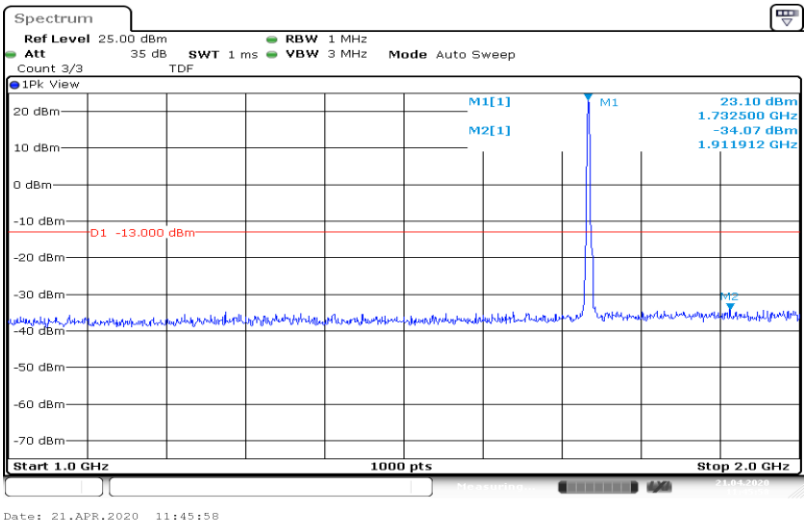
Band4-3MHz-16QAM-19965-15RB#0-Range3:2000~20000MHz



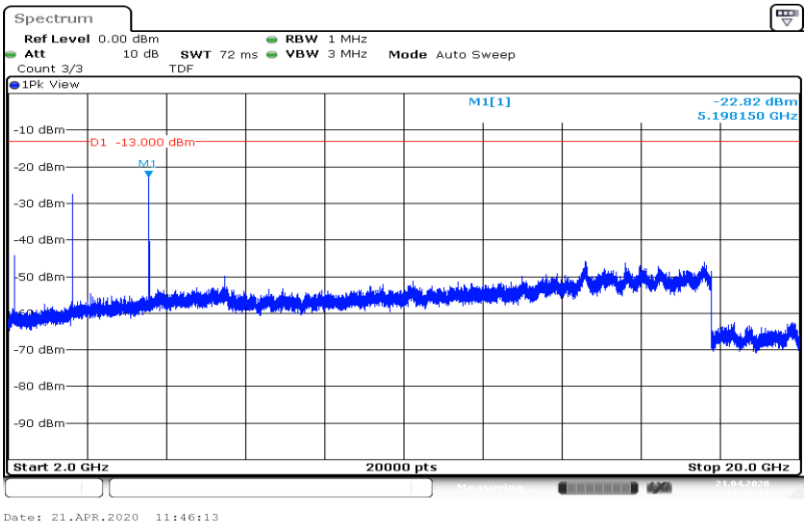
Band4-3MHz-16QAM-20175-15RB#0-Range1:30~1000MHz



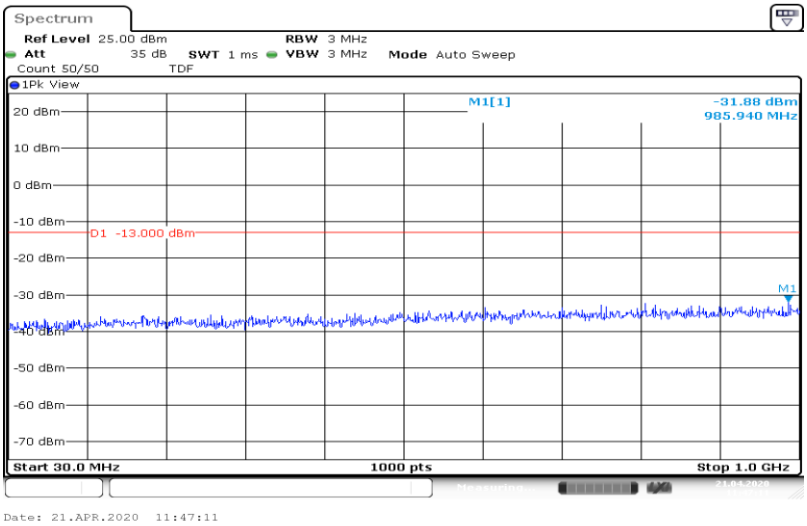
Band4-3MHz-16QAM-20175-15RB#0-Range2:1000~2000MHz



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



Band4-3MHz-16QAM-20385-15RB#0-Range1:30~1000MHz



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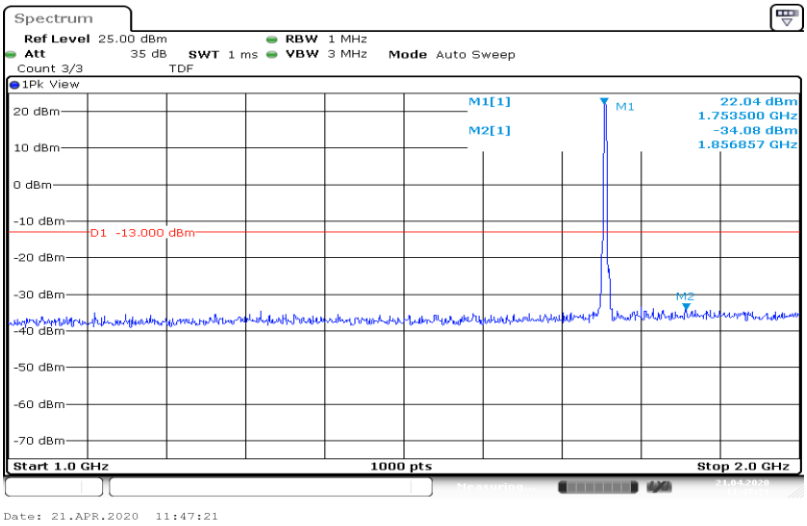
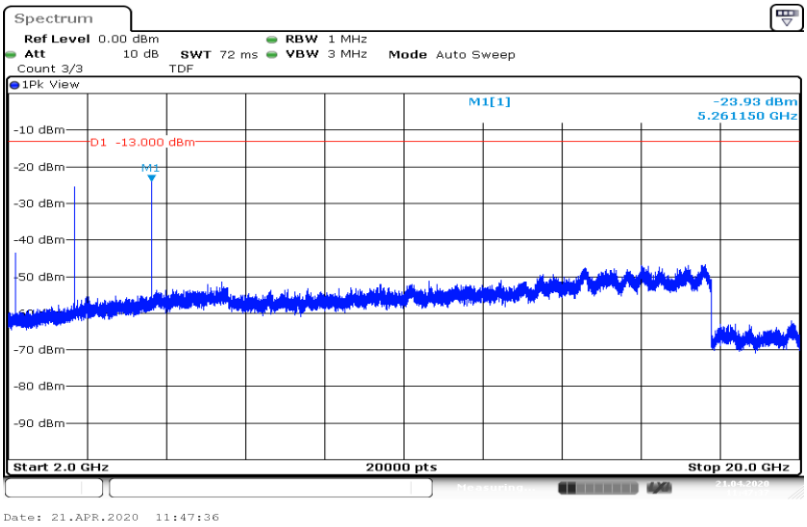
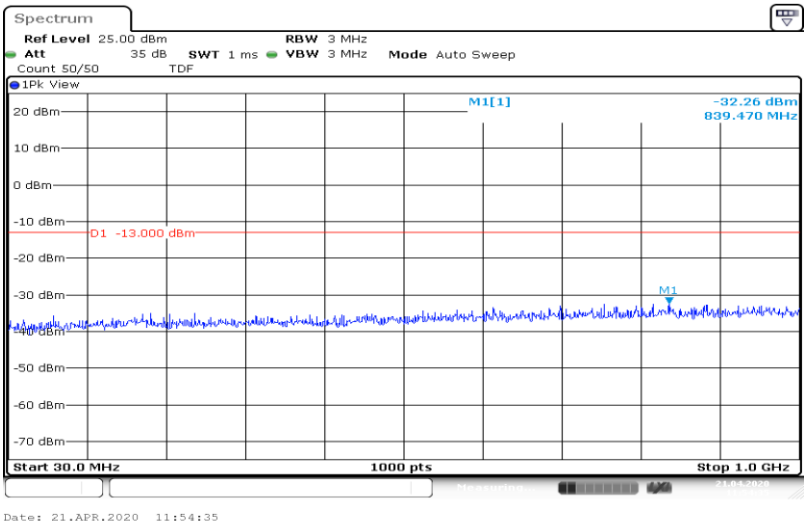


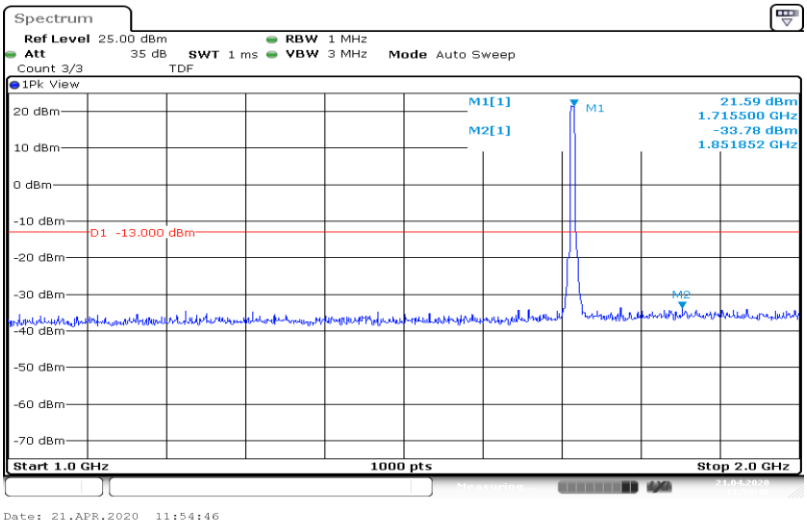
Band4-3MHz-16QAM-20385-15RB#0-Range3:2000~20000MHz



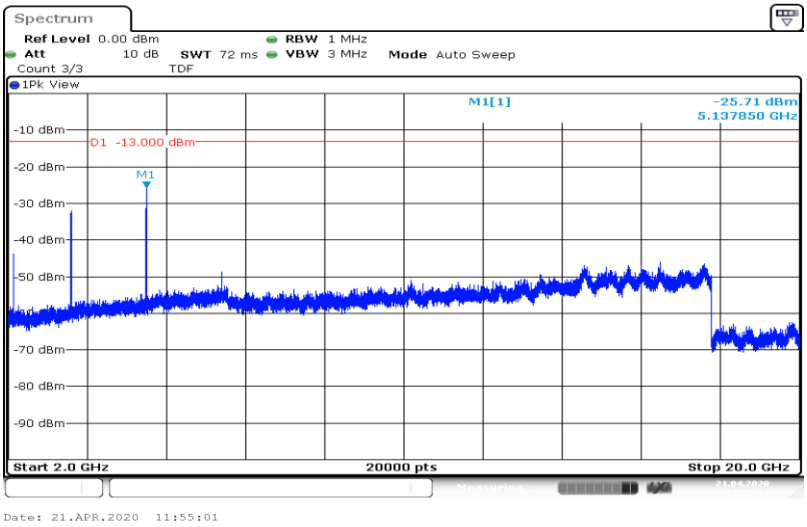
Band4-5MHz-QPSK-19975-25RB#0-Range1:30~1000MHz



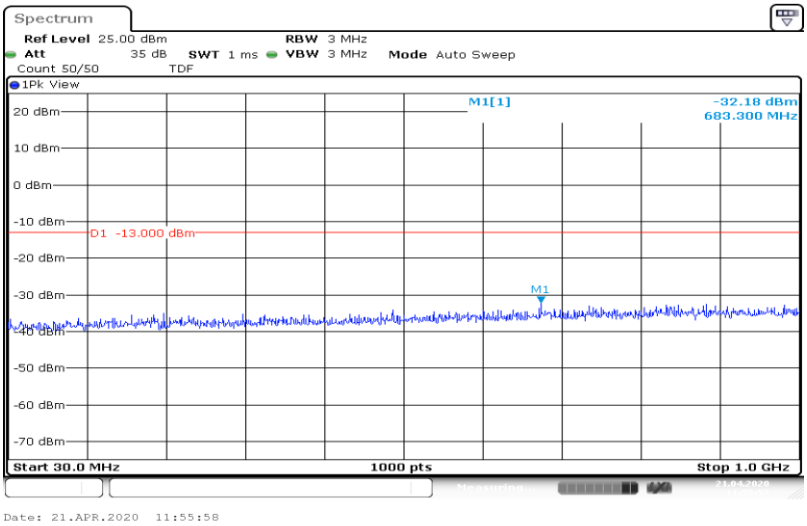
Band4-5MHz-QPSK-19975-25RB#0-Range2:1000~2000MHz



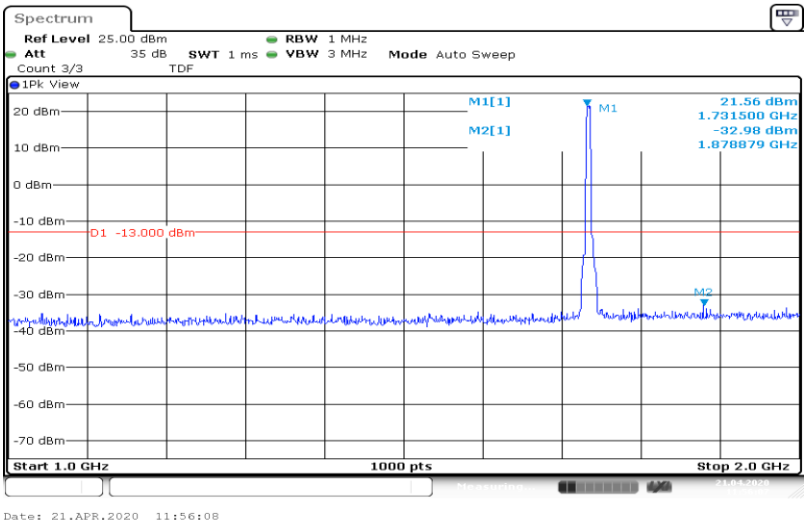
Band4-5MHz-QPSK-19975-25RB#0-Range3:2000~20000MHz



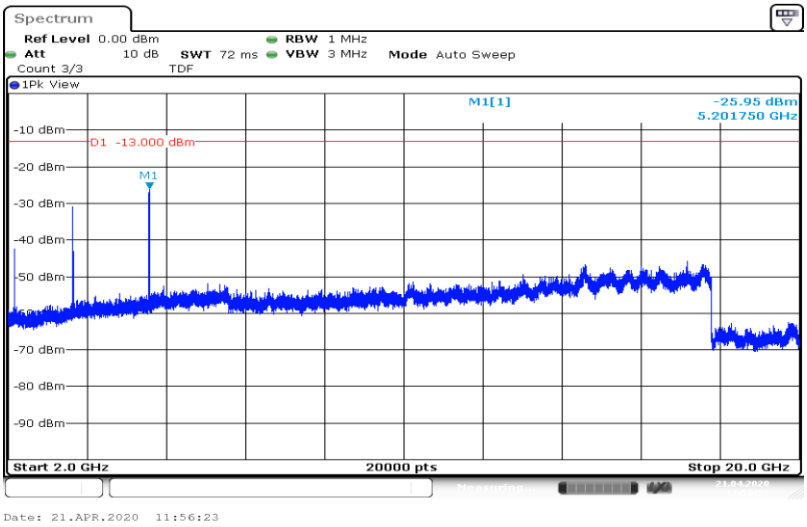
Band4-5MHz-QPSK-20175-25RB#0-Range1:30~1000MHz



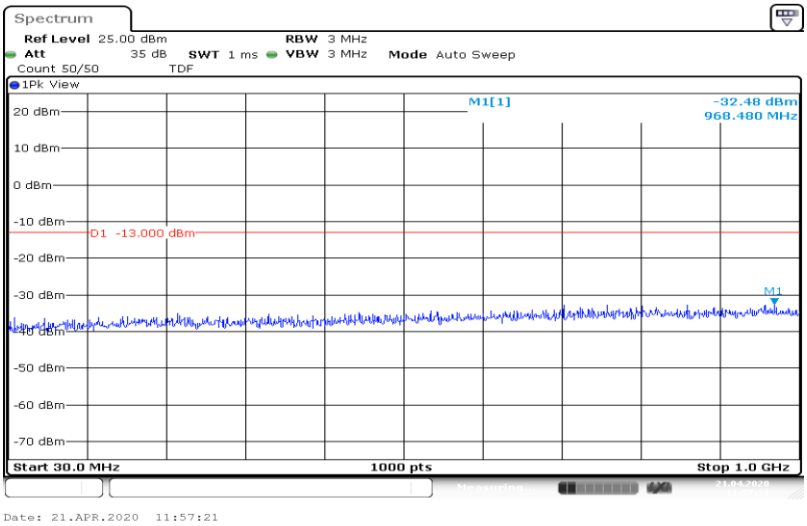
Band4-5MHz-QPSK-20175-25RB#0-Range2:1000~2000MHz



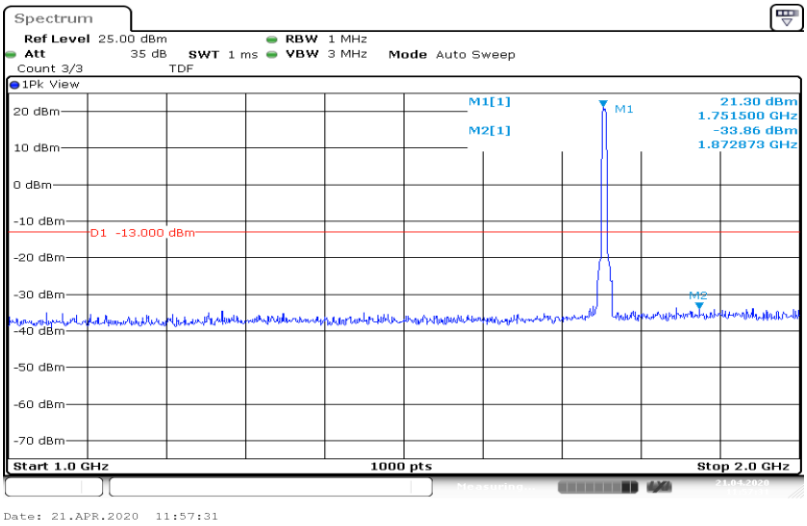
Band4-5MHz-QPSK-20175-25RB#0-Range3:2000~20000MHz



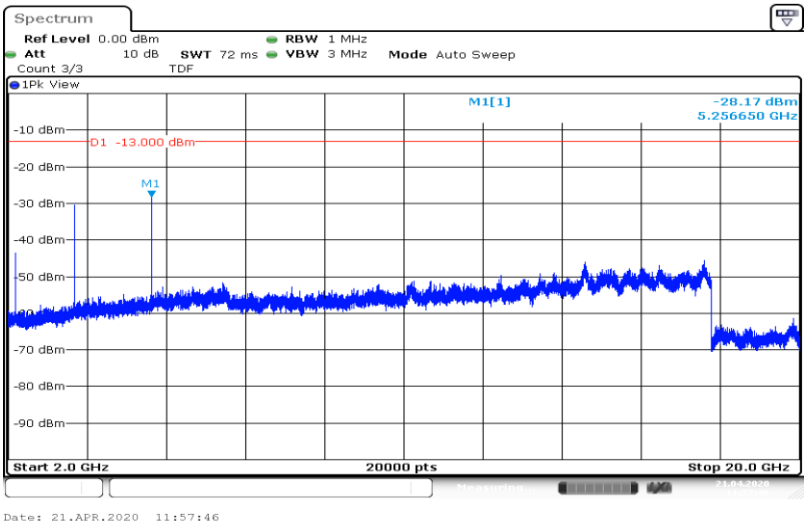
Band4-5MHz-QPSK-20375-25RB#0-Range1:30~1000MHz



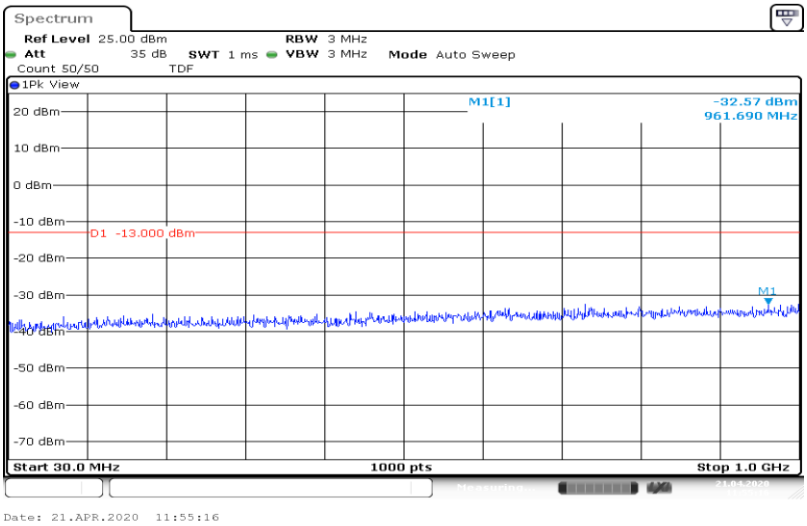
Band4-5MHz-QPSK-20375-25RB#0-Range2:1000~2000MHz



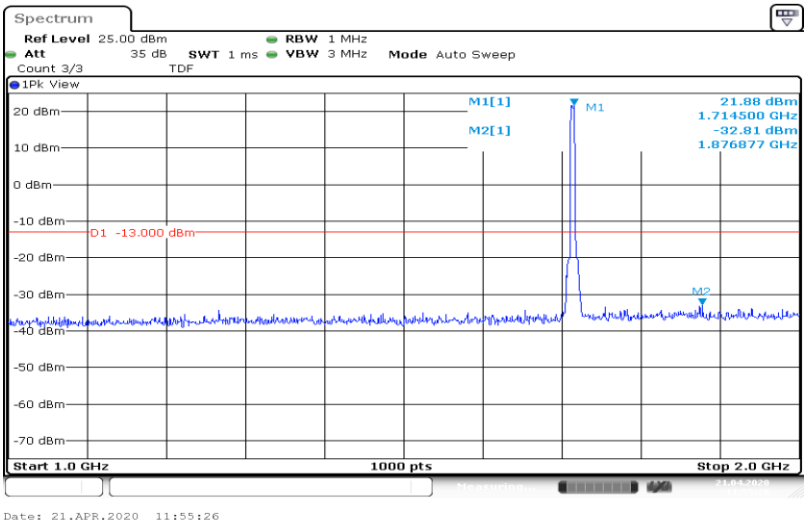
Band4-5MHz-QPSK-20375-25RB#0-Range3:2000~20000MHz



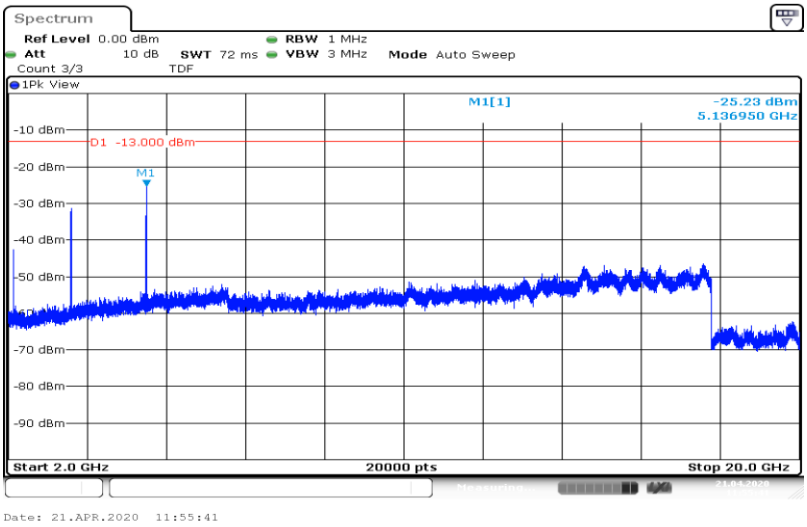
Band4-5MHz-16QAM-19975-25RB#0-Range1:30~1000MHz



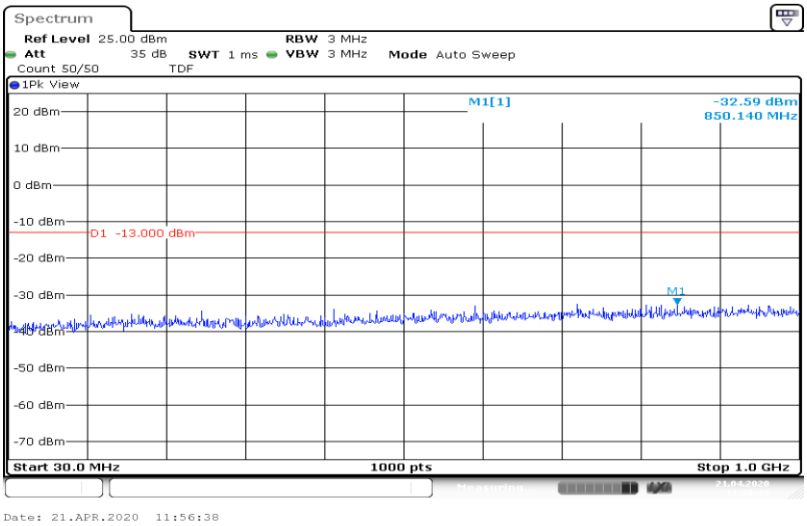
Band4-5MHz-16QAM-19975-25RB#0-Range2:1000~2000MHz



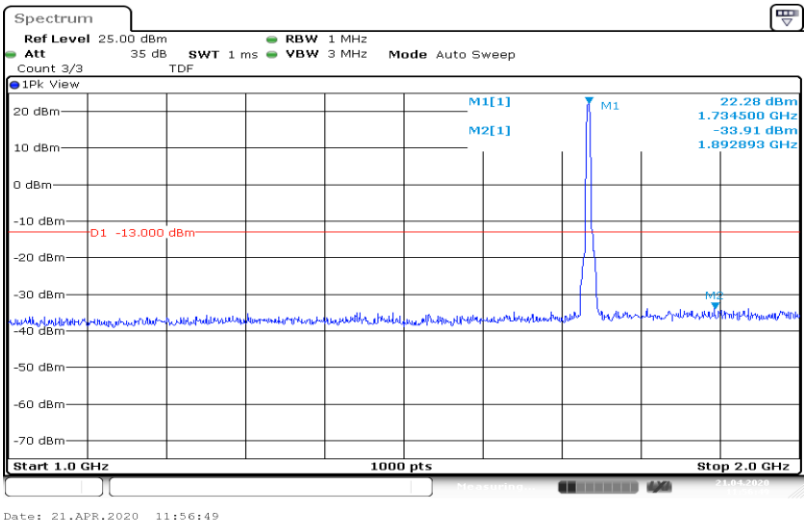
Band4-5MHz-16QAM-19975-25RB#0-Range3:2000~20000MHz



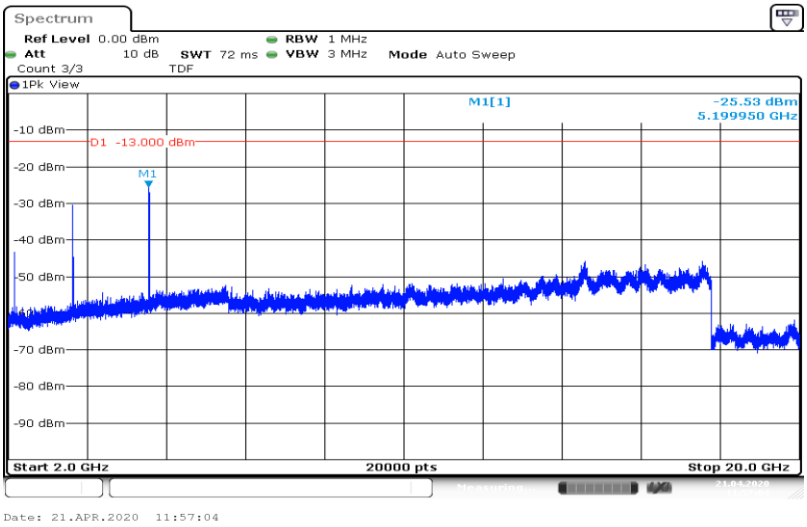
Band4-5MHz-16QAM-20175-25RB#0-Range1:30~1000MHz



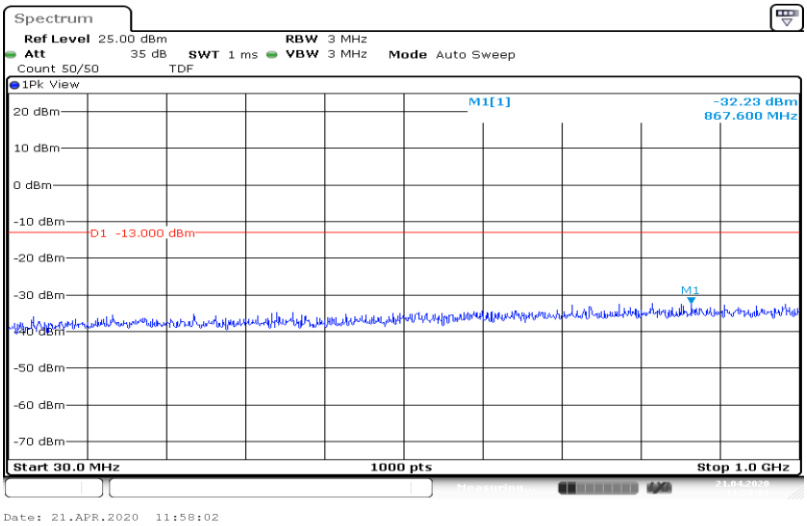
Band4-5MHz-16QAM-20175-25RB#0-Range2:1000~2000MHz



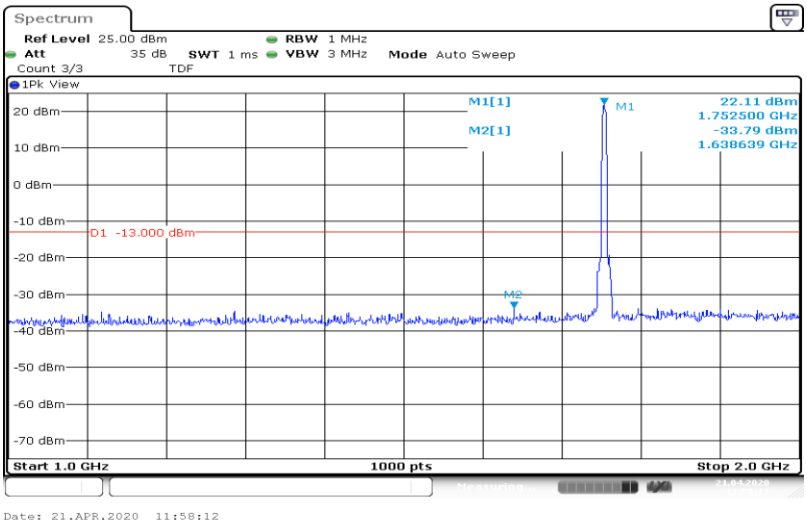
Band4-5MHz-16QAM-20175-25RB#0-Range3:2000~20000MHz



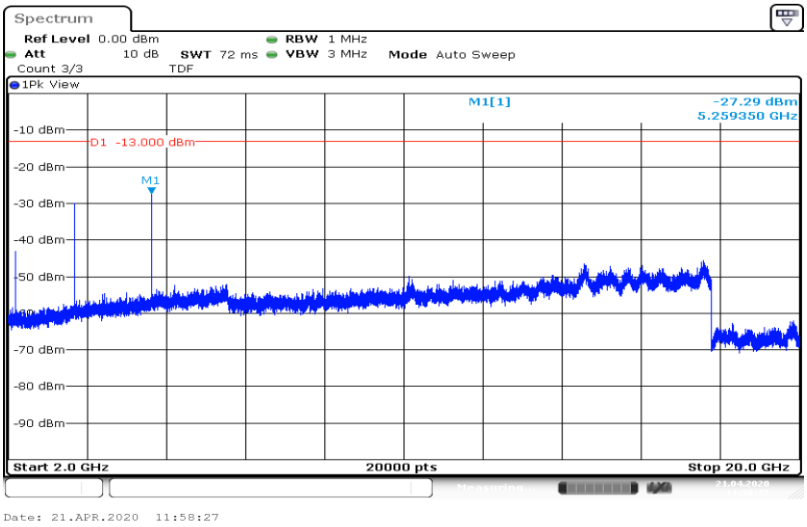
Band4-5MHz-16QAM-20375-25RB#0-Range1:30~1000MHz



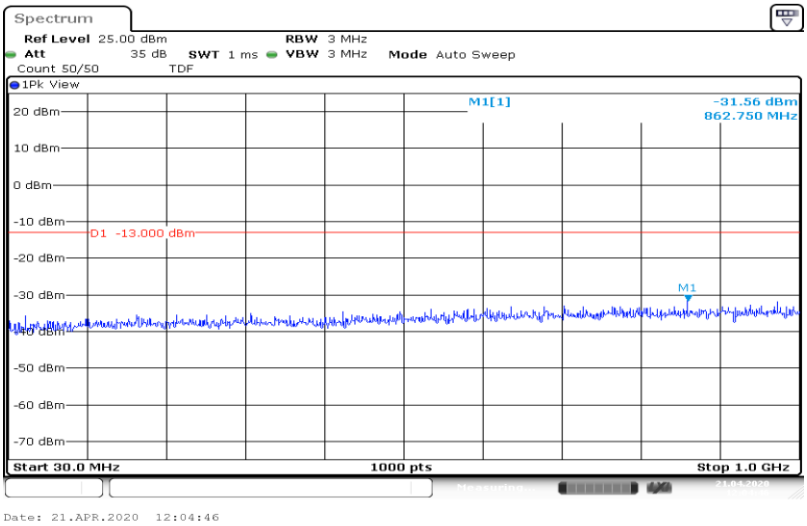
Band4-5MHz-16QAM-20375-25RB#0-Range2:1000~2000MHz



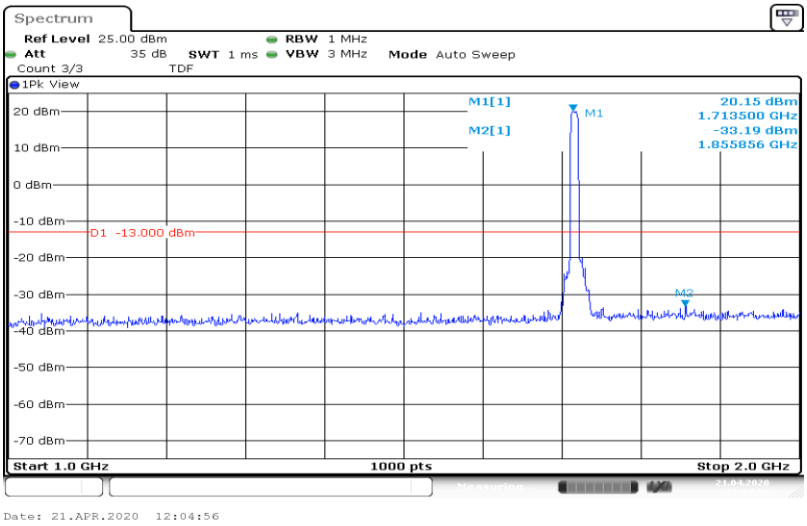
Band4-5MHz-16QAM-20375-25RB#0-Range3:2000~20000MHz



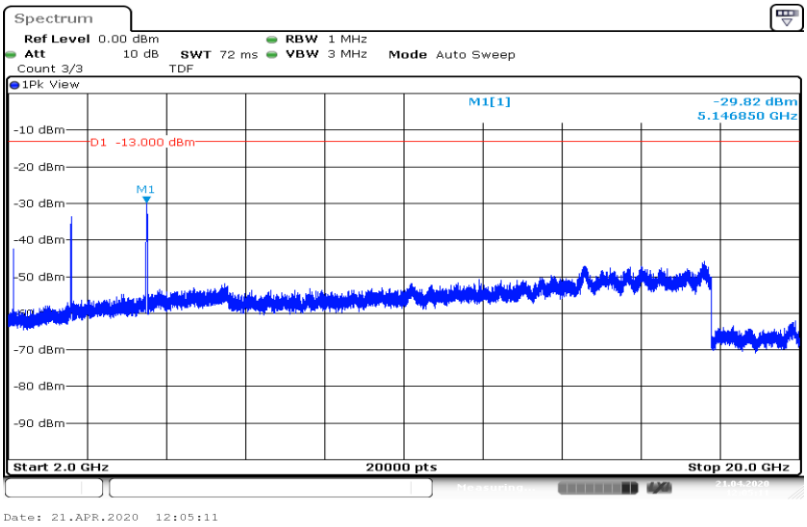
Band4-10MHz-QPSK-20000-50RB#0-Range1:30~1000MHz



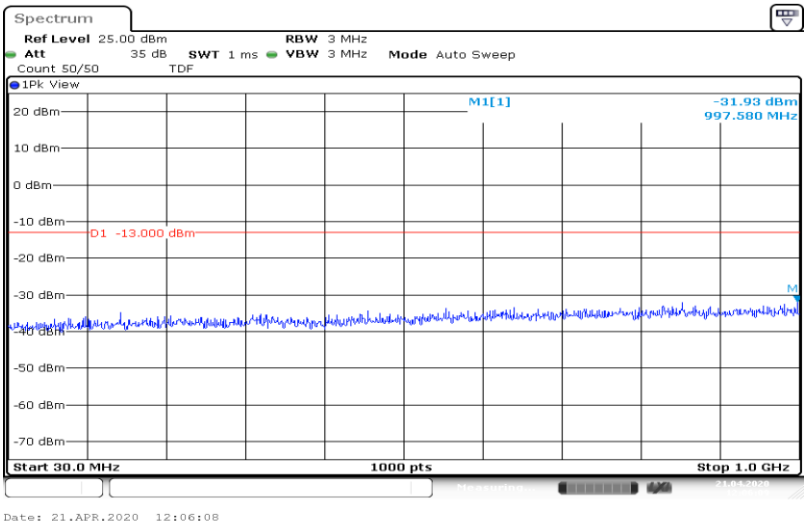
Band4-10MHz-QPSK-20000-50RB#0-Range2:1000~2000MHz



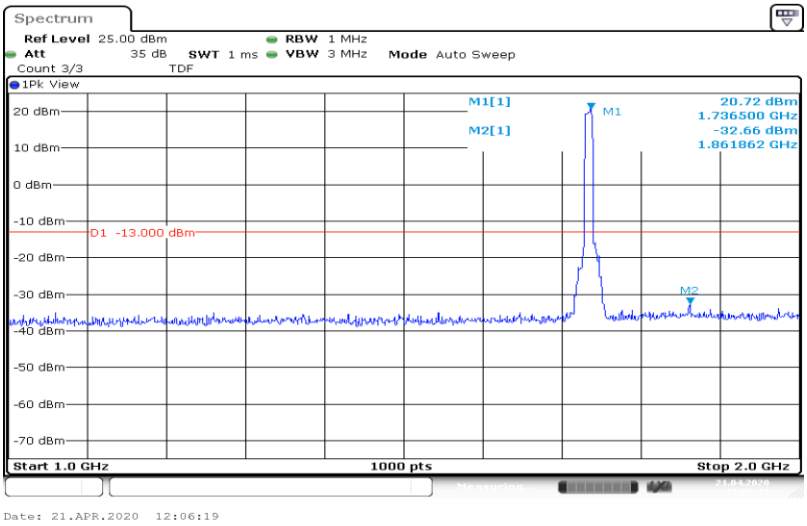
Band4-10MHz-QPSK-20000-50RB#0-Range3:2000~20000MHz



Band4-10MHz-QPSK-20175-50RB#0-Range1:30~1000MHz



Band4-10MHz-QPSK-20175-50RB#0-Range2:1000~2000MHz



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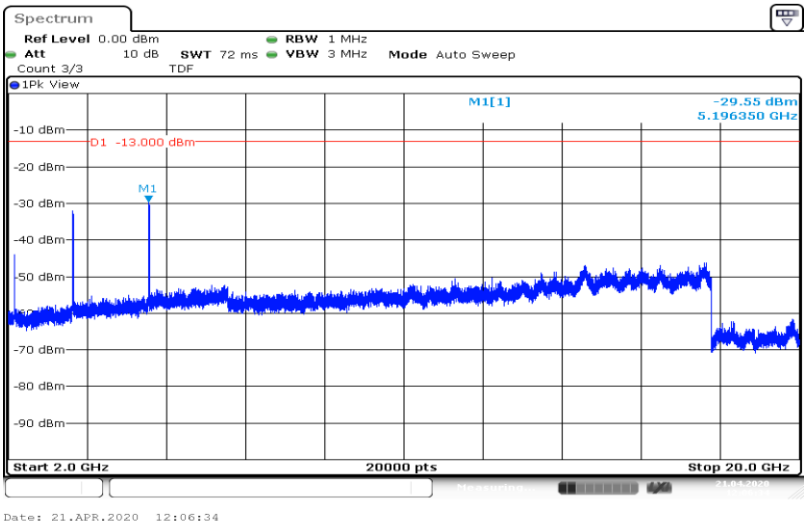
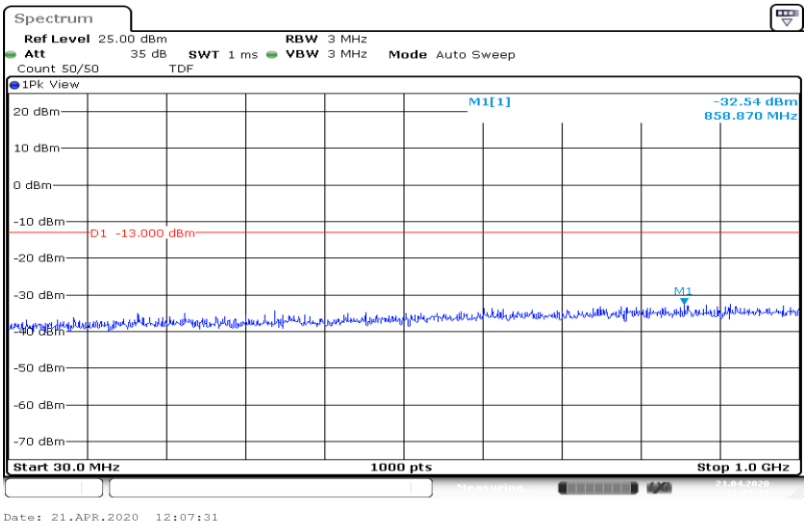
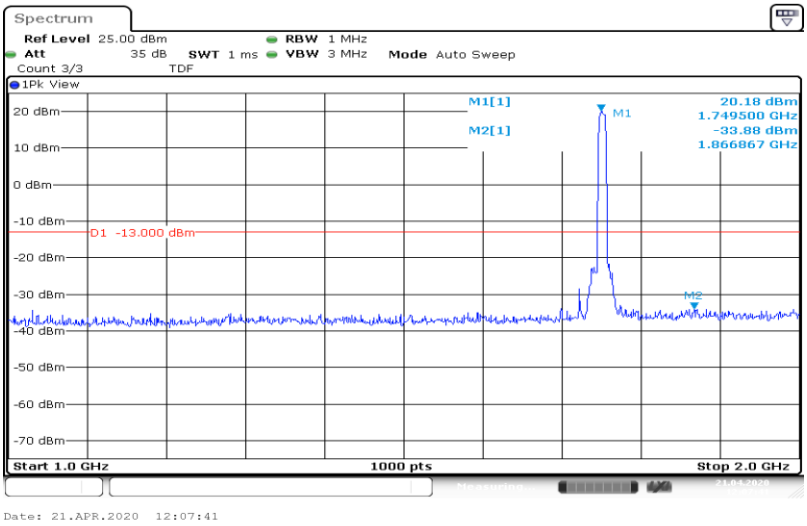


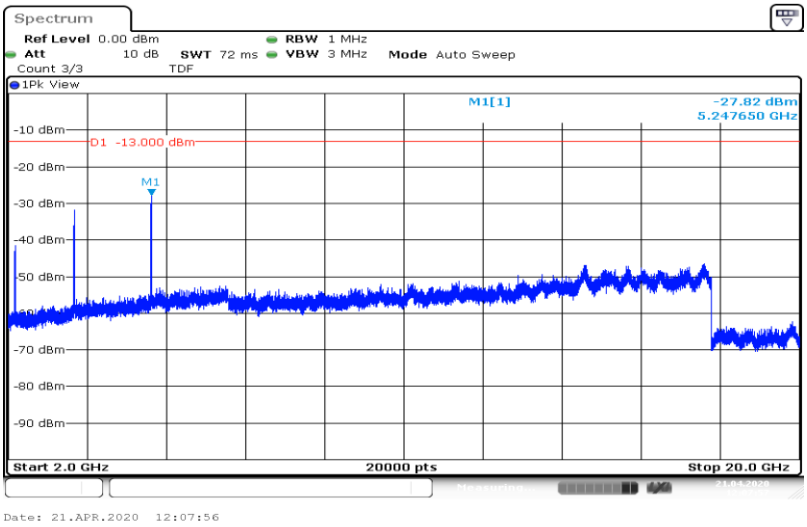
Band4-10MHz-QPSK-20350-50RB#0-Range1:30~1000MHz



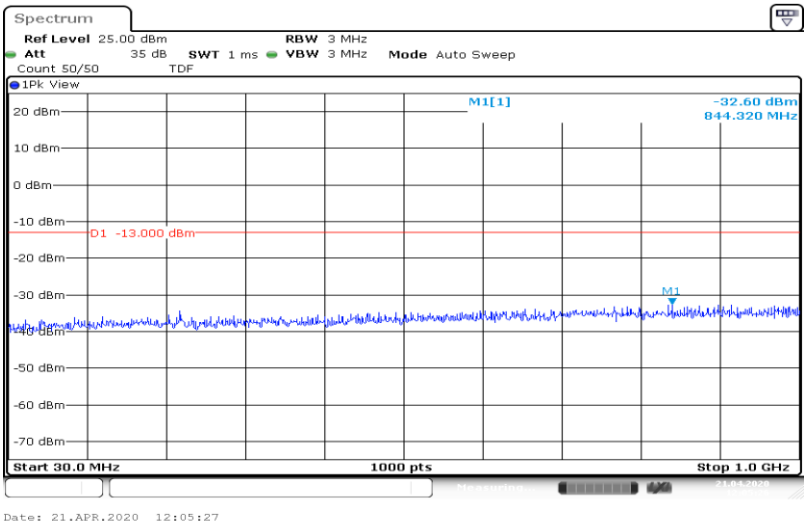
Band4-10MHz-QPSK-20350-50RB#0-Range2:1000~2000MHz



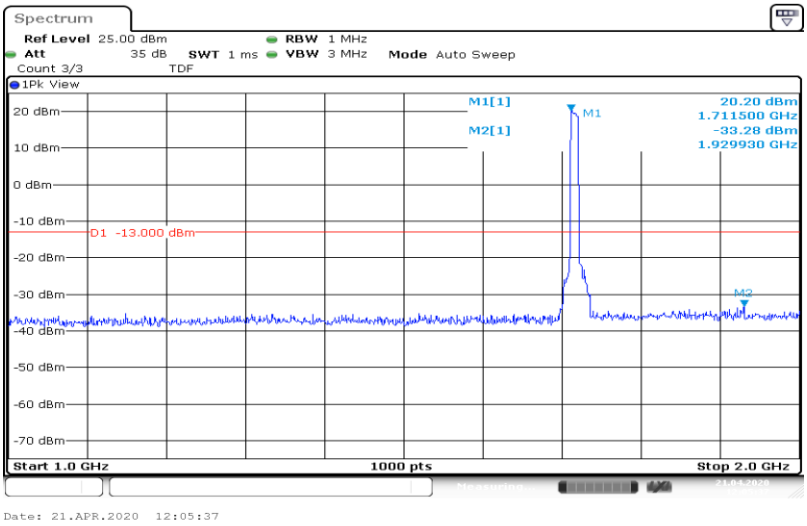
Band4-10MHz-QPSK-20350-50RB#0-Range3:2000~20000MHz



Band4-10MHz-16QAM-20000-50RB#0-Range1:30~1000MHz



Band4-10MHz-16QAM-20000-50RB#0-Range2:1000~2000MHz



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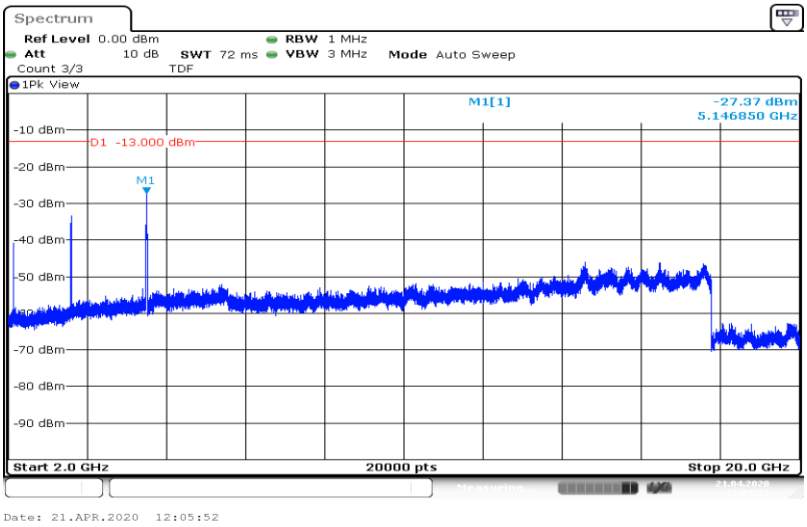
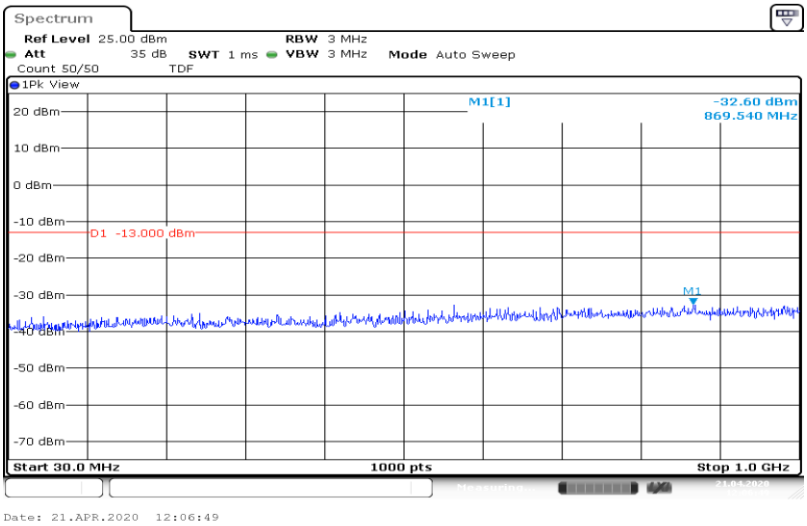
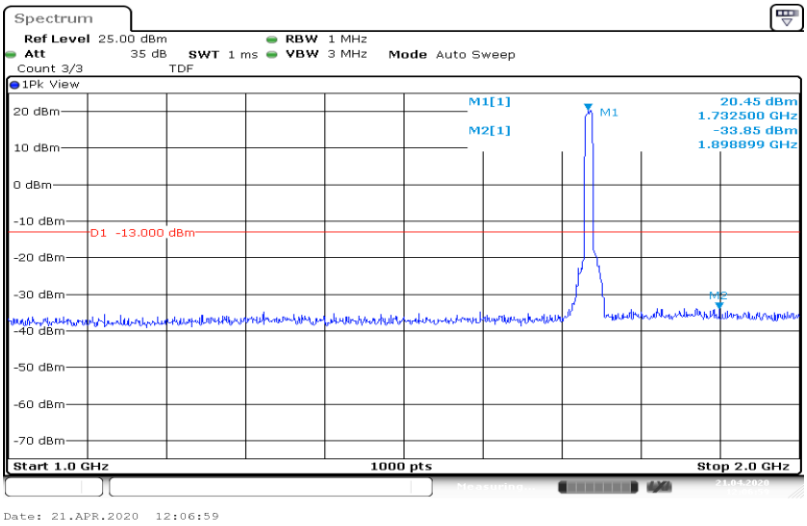


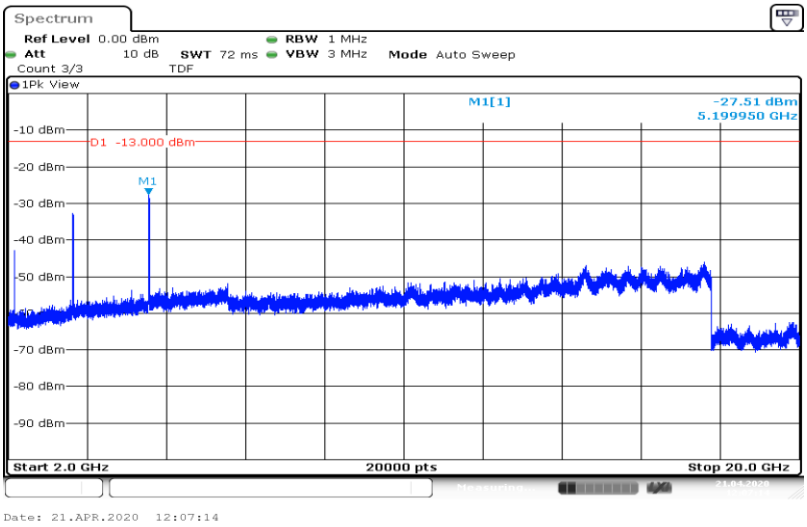
Band4-10MHz-16QAM-20175-50RB#0-Range1:30~1000MHz



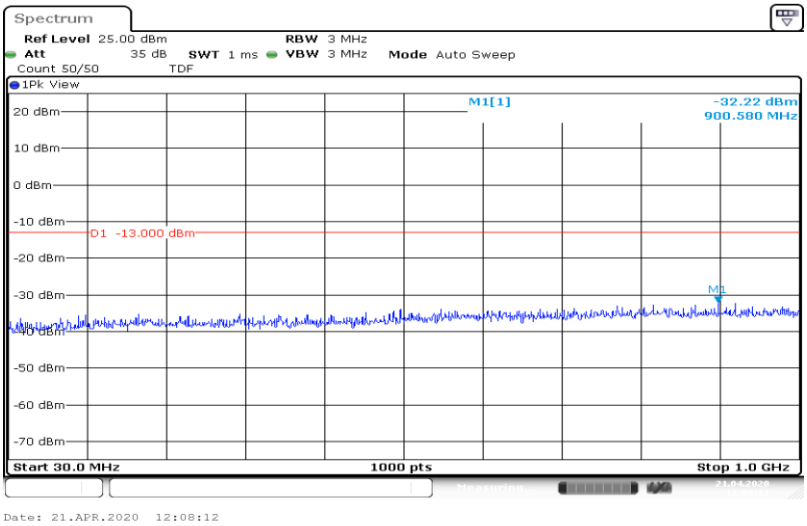
Band4-10MHz-16QAM-20175-50RB#0-Range2:1000~2000MHz



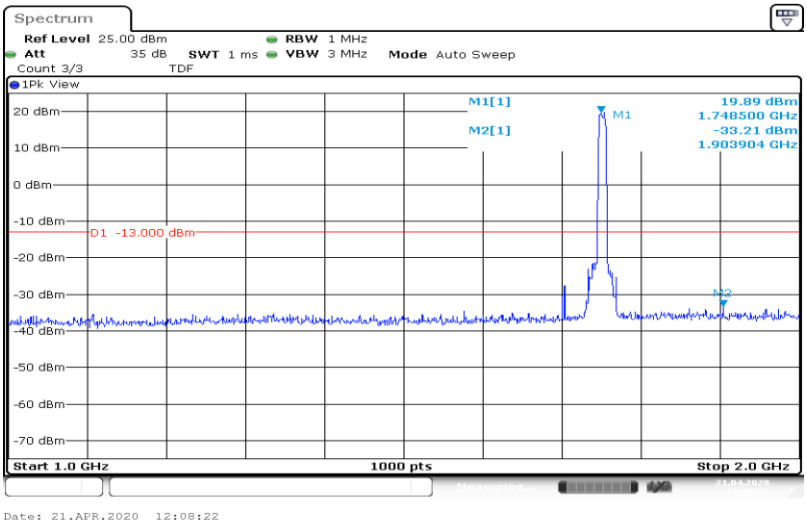
Band4-10MHz-16QAM-20175-50RB#0-Range3:2000~20000MHz



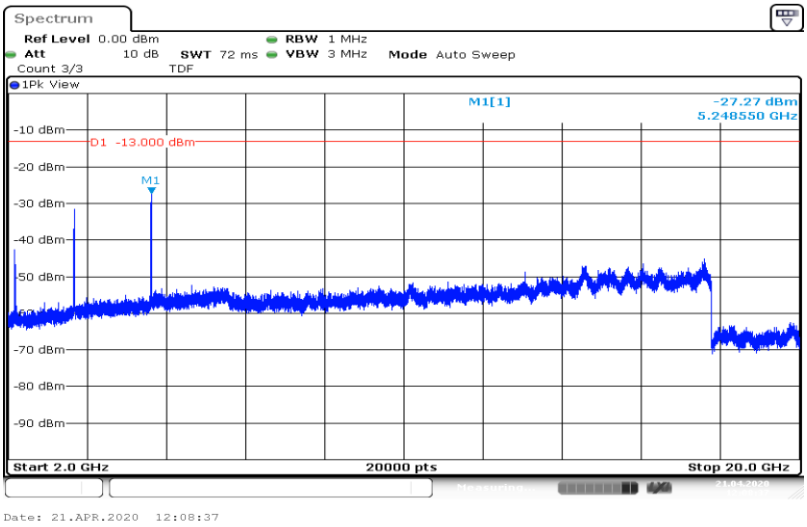
Band4-10MHz-16QAM-20350-50RB#0-Range1:30~1000MHz



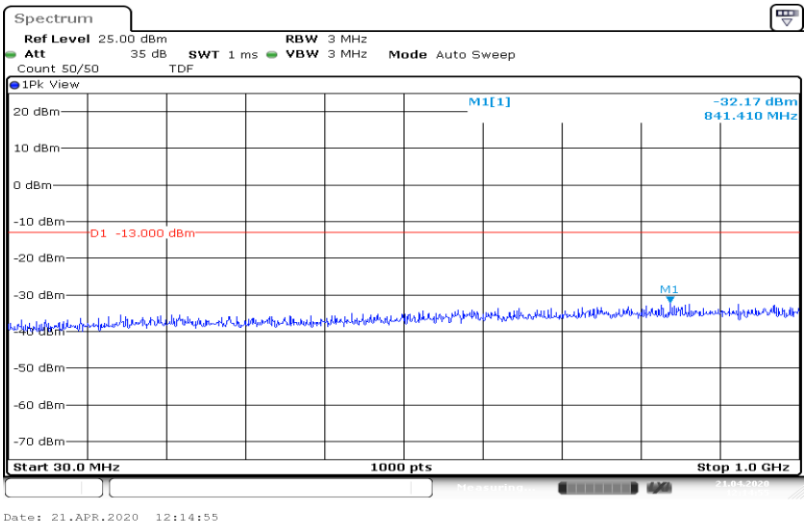
Band4-10MHz-16QAM-20350-50RB#0-Range2:1000~2000MHz



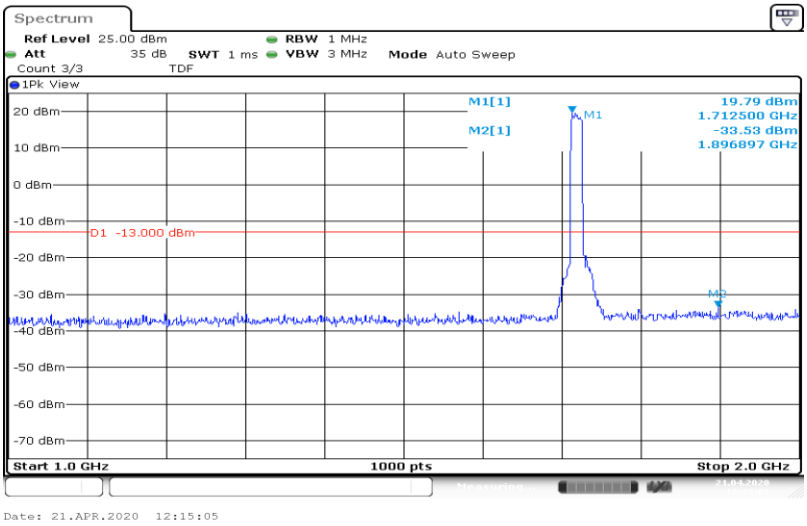
Band4-10MHz-16QAM-20350-50RB#0-Range3:2000~20000MHz



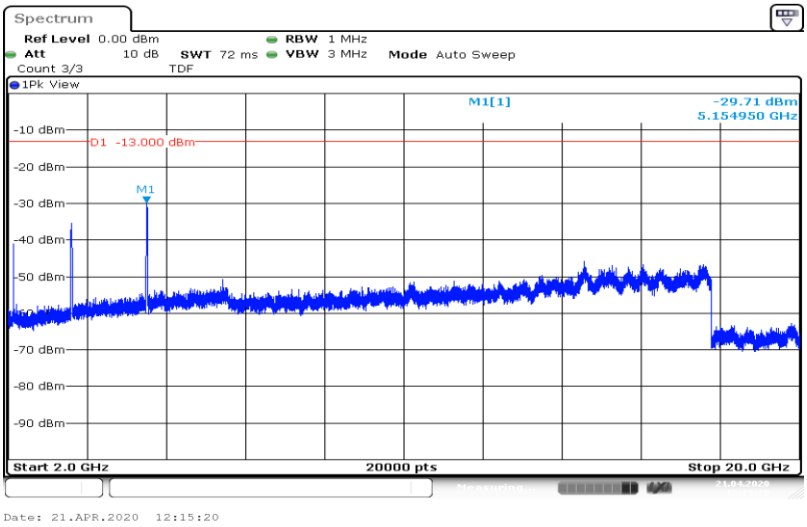
Band4-15MHz-QPSK-20025-75RB#0-Range1:30~1000MHz



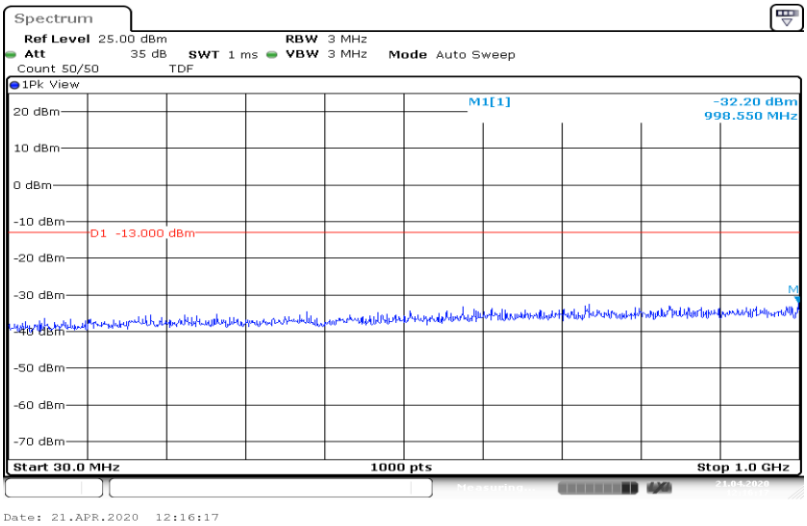
Band4-15MHz-QPSK-20025-75RB#0-Range2:1000~2000MHz



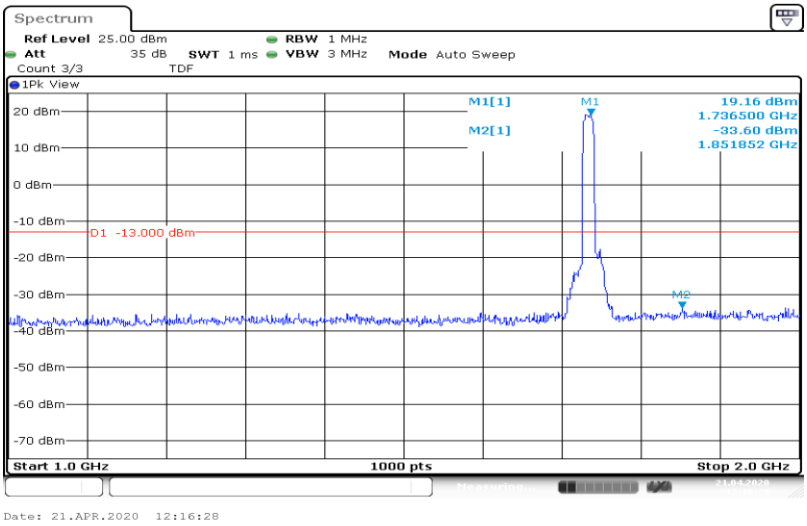
Band4-15MHz-QPSK-20025-75RB#0-Range3:2000~20000MHz



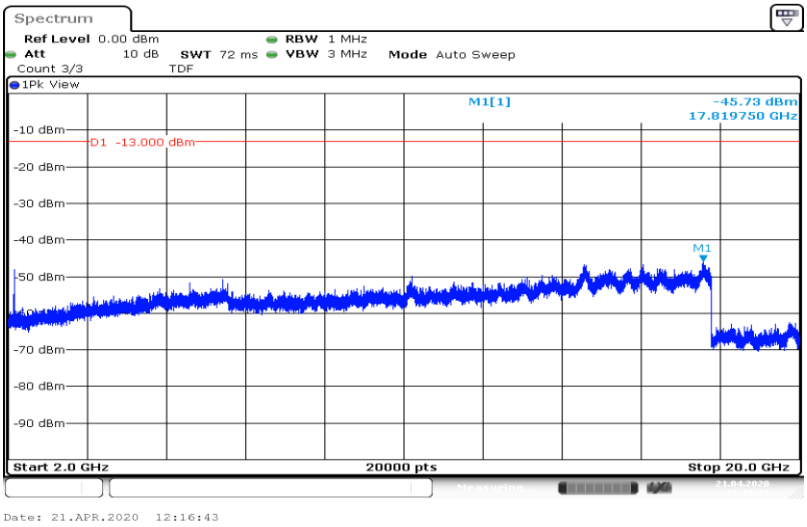
Band4-15MHz-QPSK-20175-75RB#0-Range1:30~1000MHz



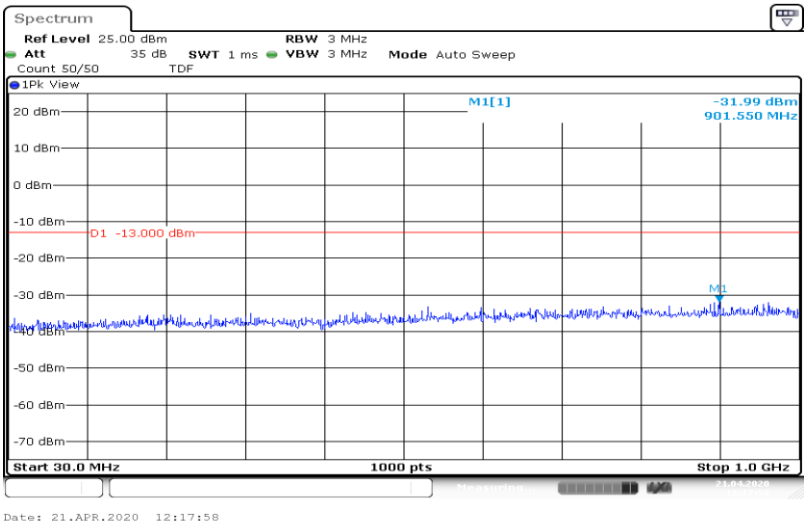
Band4-15MHz-QPSK-20175-75RB#0-Range2:1000~2000MHz



Band4-15MHz-QPSK-20175-75RB#0-Range3:2000~20000MHz



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



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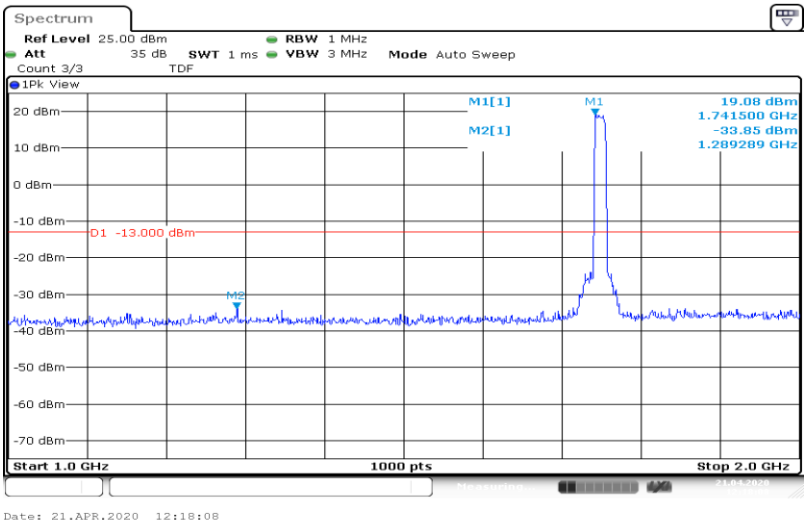
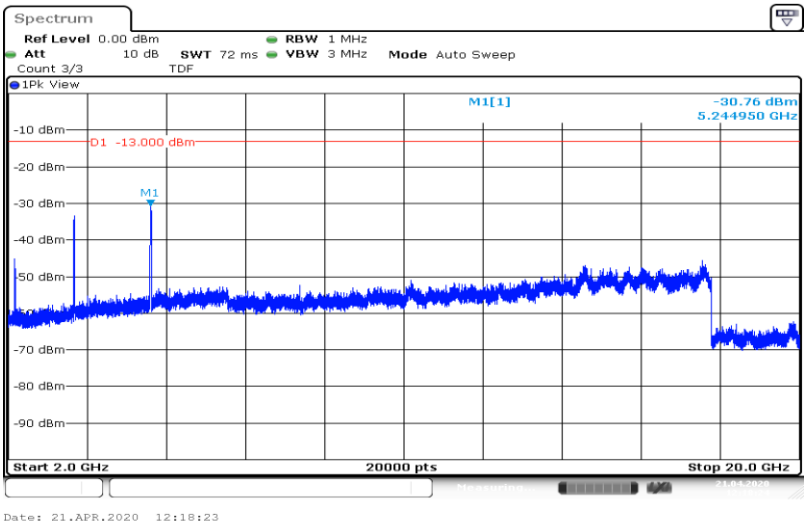
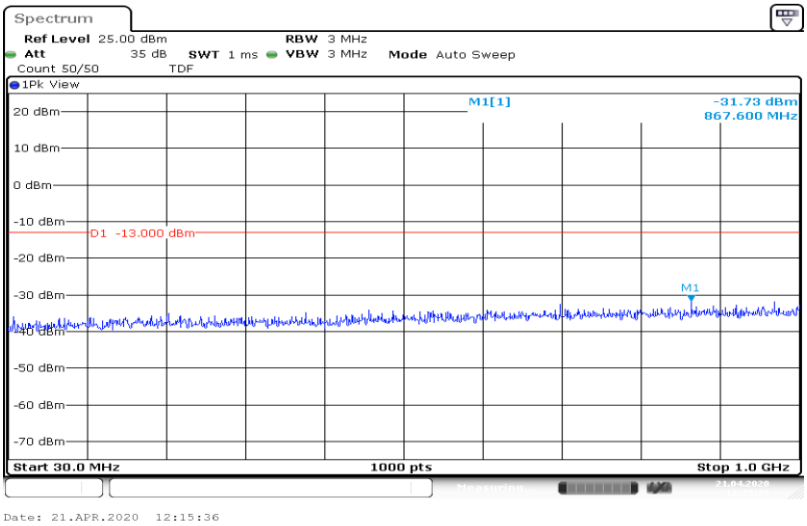


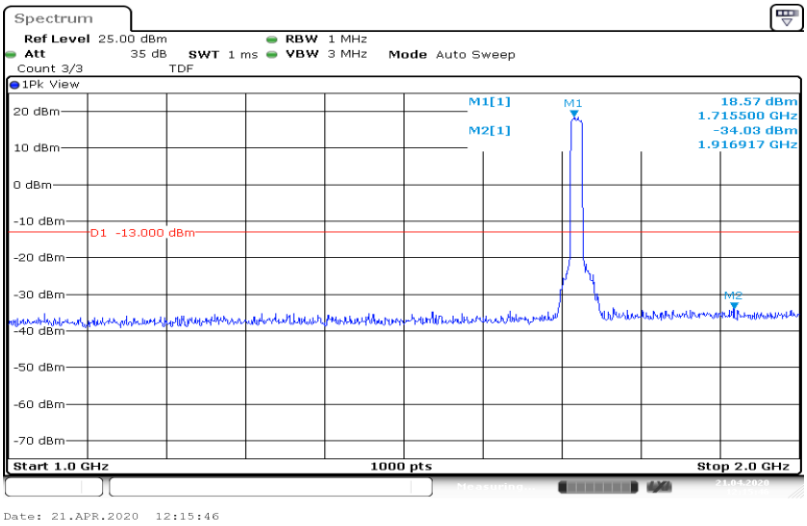
Band4-15MHz-QPSK-20325-75RB#0-Range3:2000~20000MHz



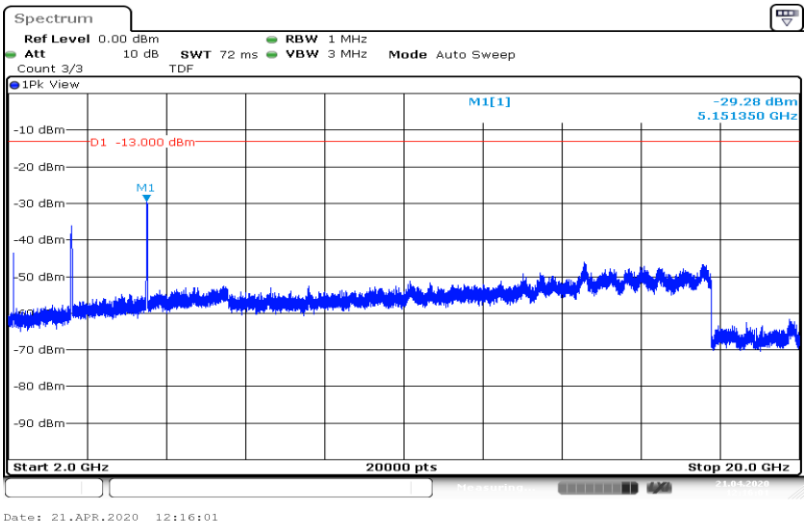
Band4-15MHz-16QAM-20025-75RB#0-Range1:30~1000MHz



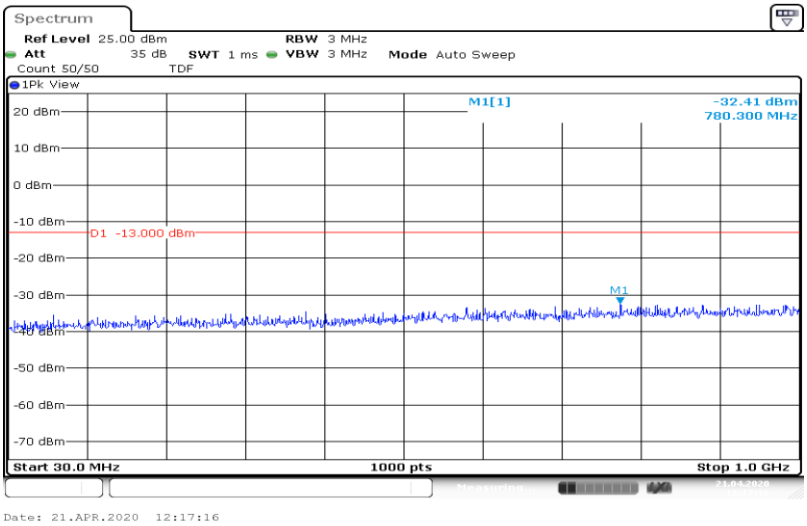
Band4-15MHz-16QAM-20025-75RB#0-Range2:1000~2000MHz



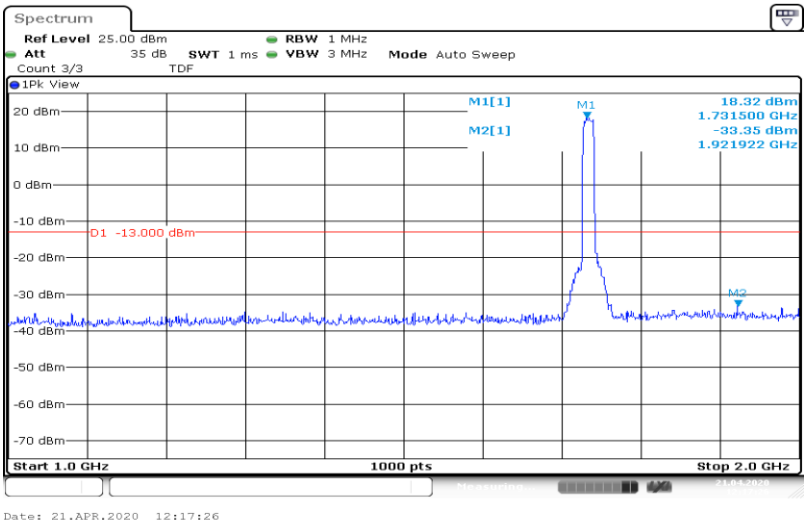
Band4-15MHz-16QAM-20025-75RB#0-Range3:2000~20000MHz



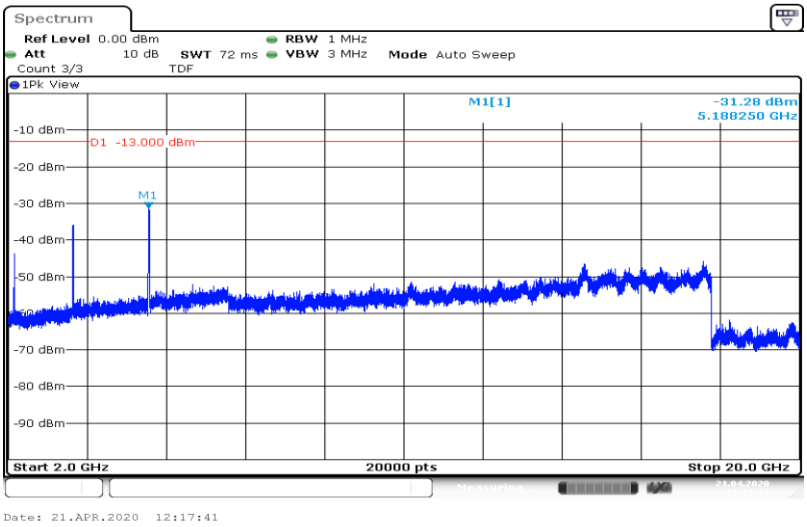
Band4-15MHz-16QAM-20175-75RB#0-Range1:30~1000MHz



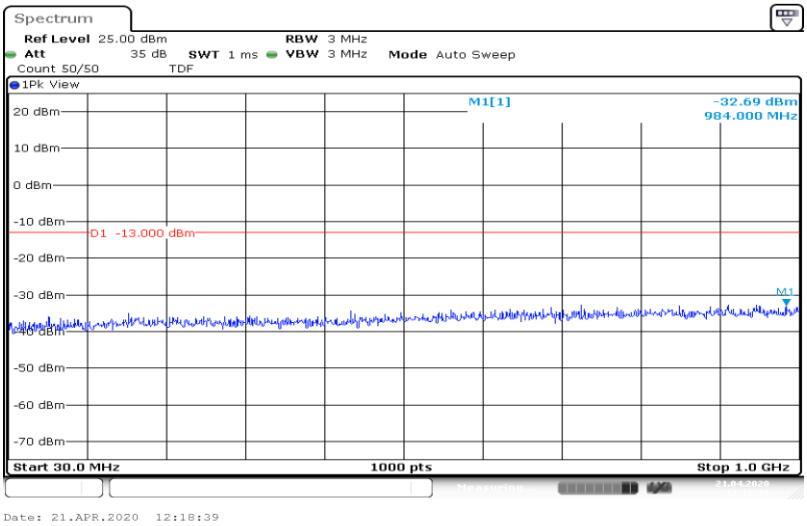
Band4-15MHz-16QAM-20175-75RB#0-Range2:1000~2000MHz



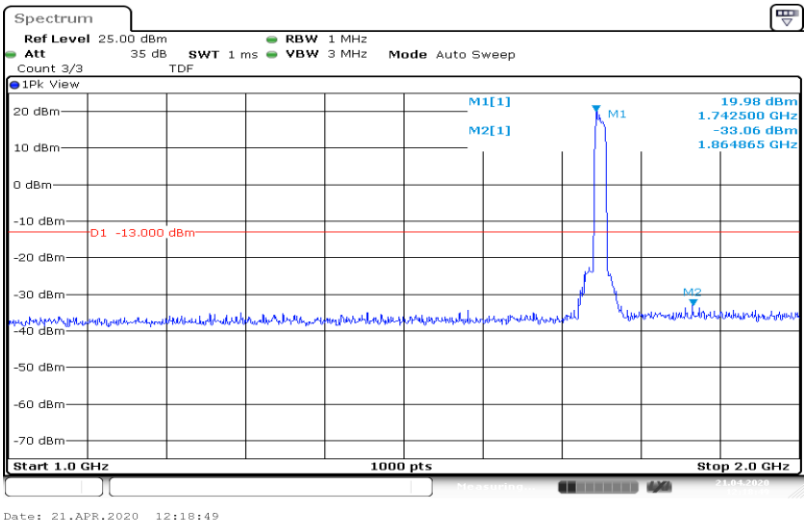
Band4-15MHz-16QAM-20175-75RB#0-Range3:2000~20000MHz



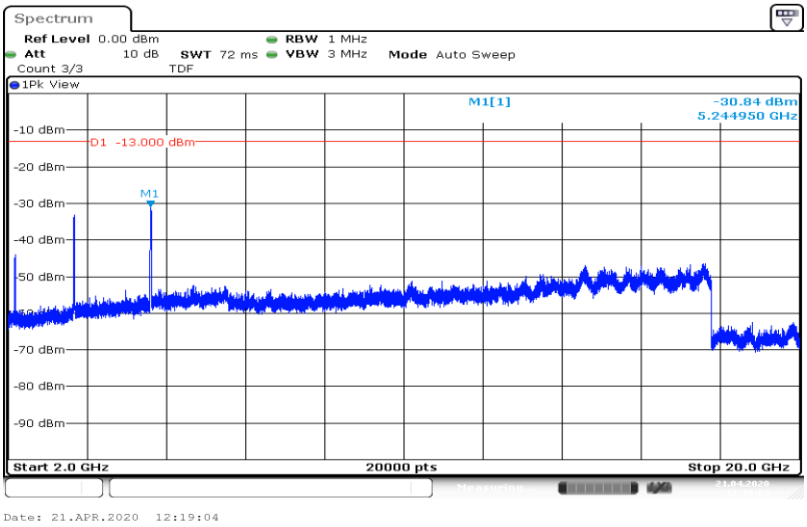
Band4-15MHz-16QAM-20325-75RB#0-Range1:30~1000MHz



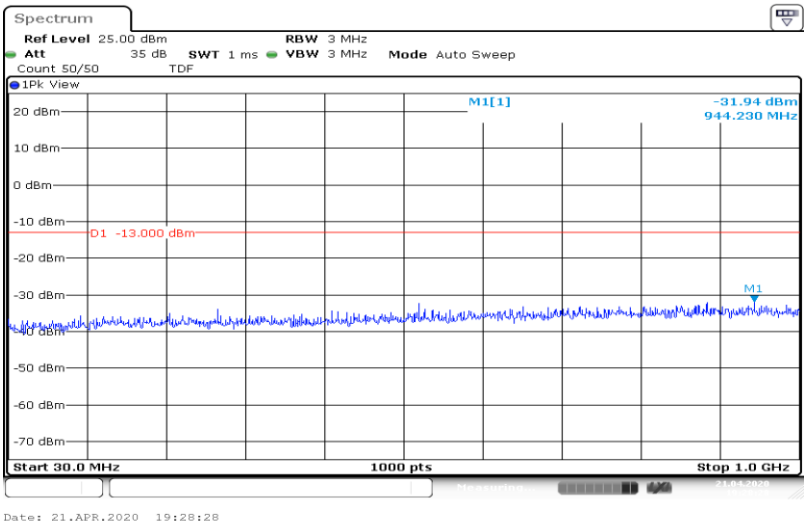
Band4-15MHz-16QAM-20325-75RB#0-Range2:1000~2000MHz



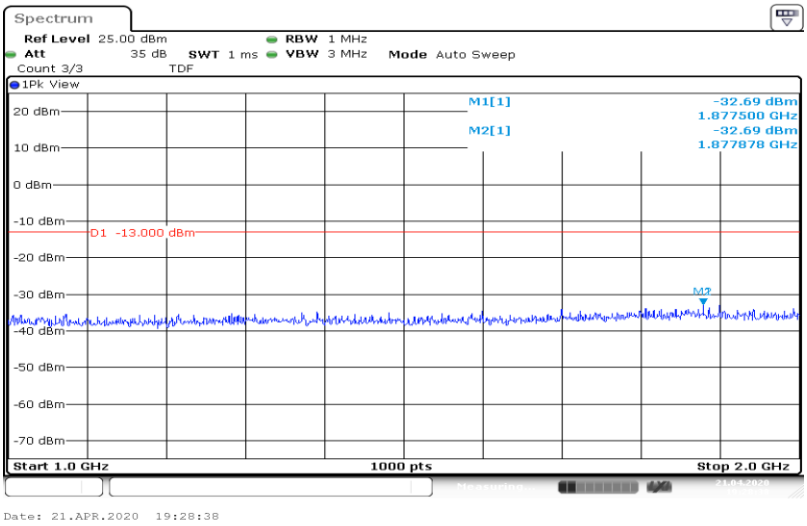
Band4-15MHz-16QAM-20325-75RB#0-Range3:2000~20000MHz



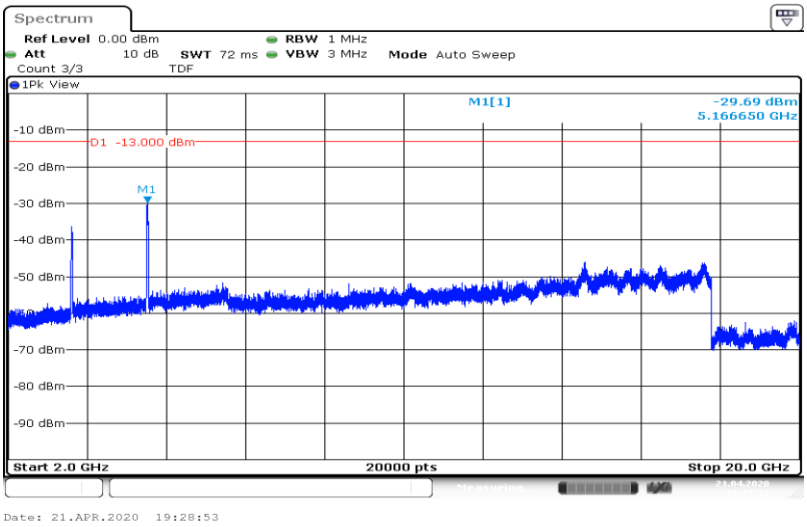
Band4-20MHz-QPSK-20050-100RB#0-Range1:30~1000MHz



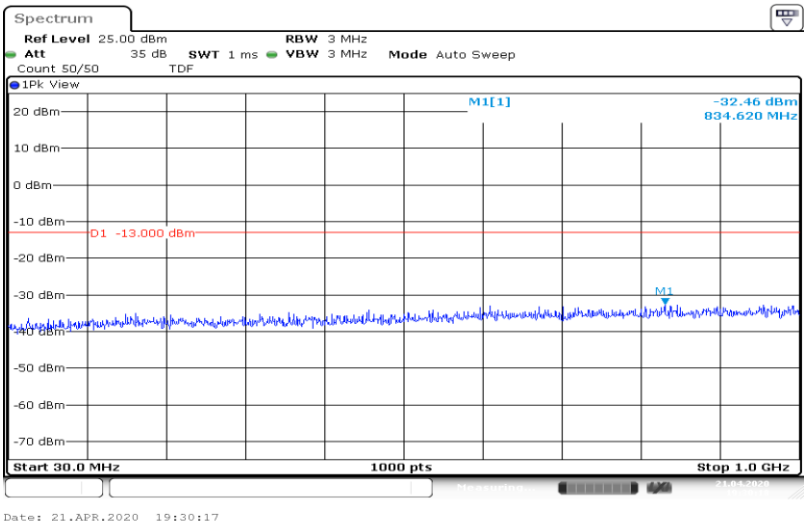
Band4-20MHz-QPSK-20050-100RB#0-Range2:1000~2000MHz



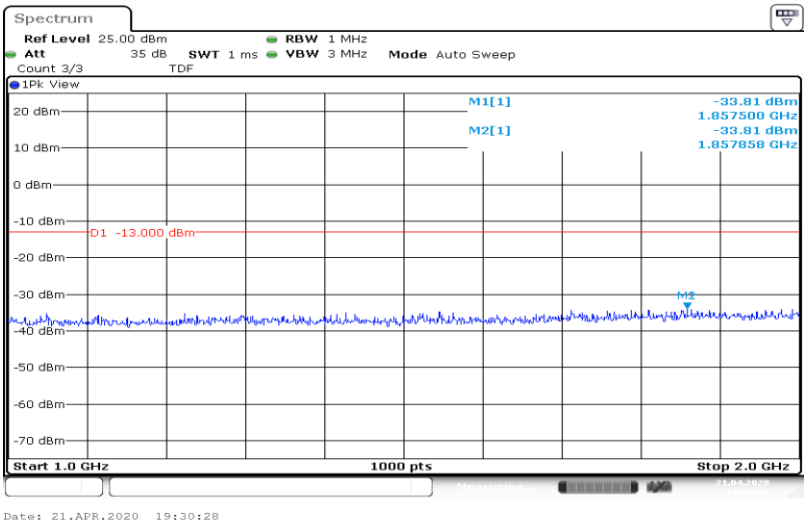
Band4-20MHz-QPSK-20050-100RB#0-Range3:2000~20000MHz



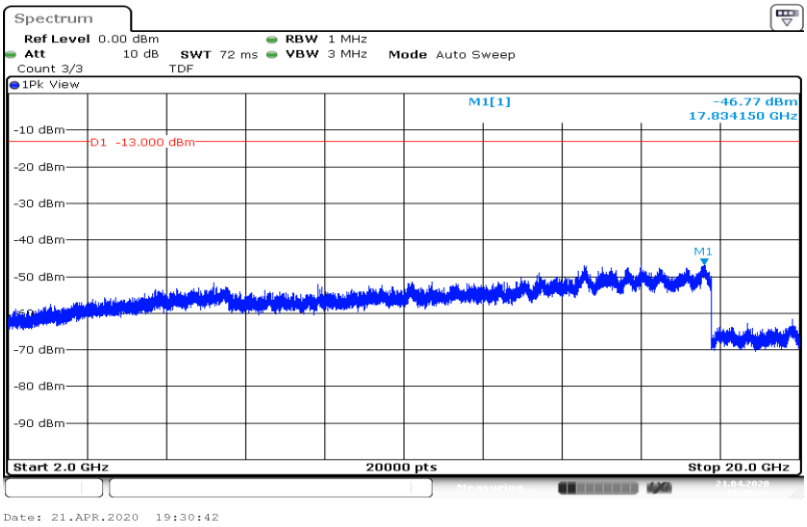
Band4-20MHz-QPSK-20175-100RB#0-Range1:30~1000MHz



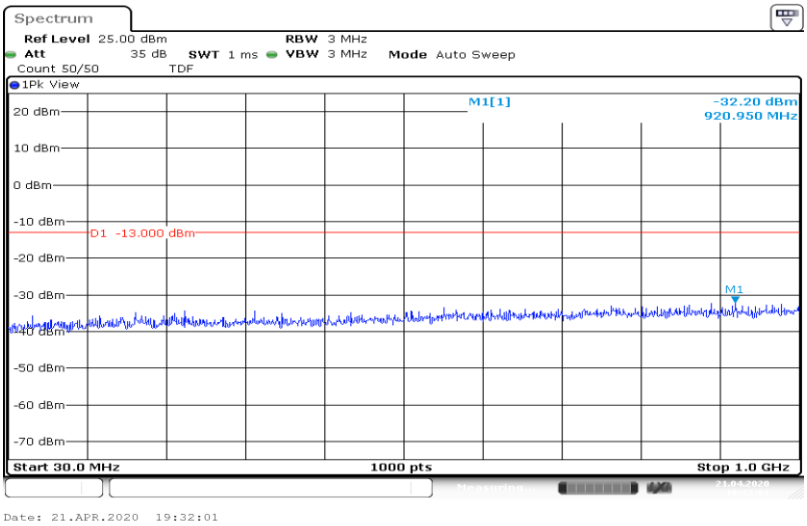
Band4-20MHz-QPSK-20175-100RB#0-Range2:1000~2000MHz



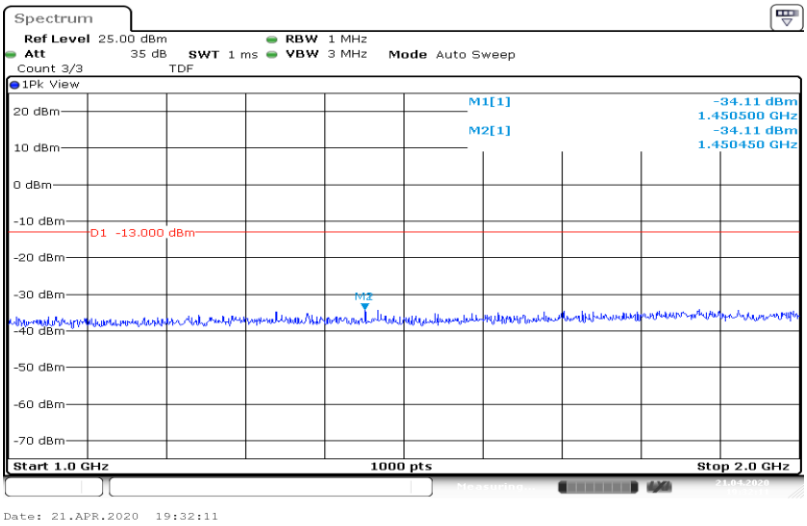
Band4-20MHz-QPSK-20175-100RB#0-Range3:2000~20000MHz



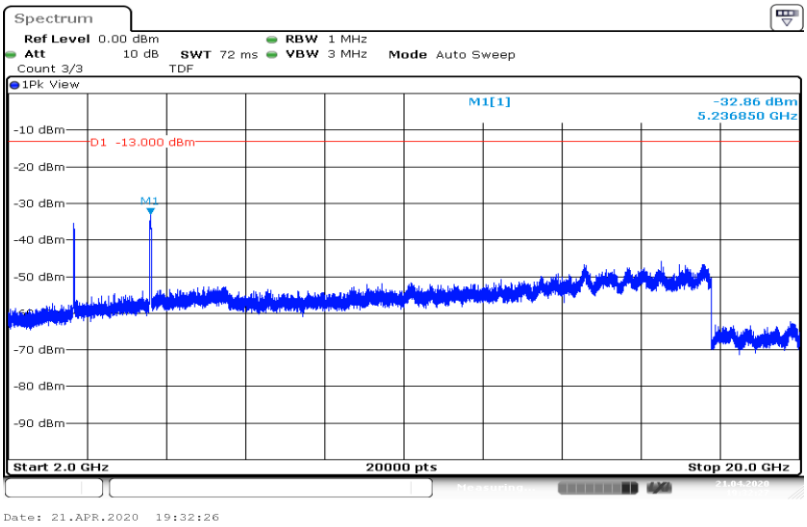
Band4-20MHz-QPSK-20300-100RB#0-Range1:30~1000MHz



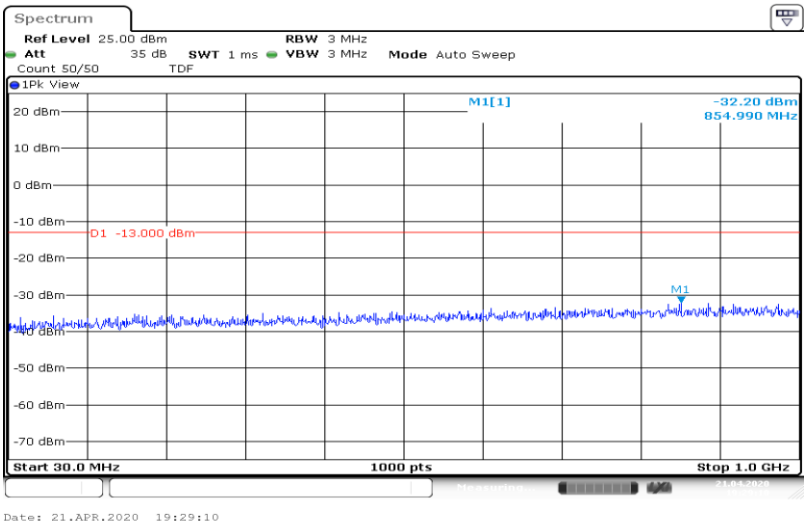
Band4-20MHz-QPSK-20300-100RB#0-Range2:1000~2000MHz



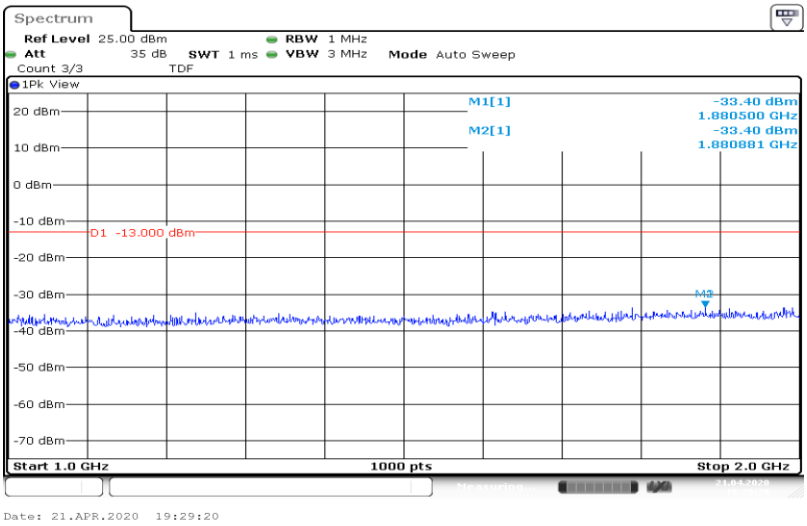
Band4-20MHz-QPSK-20300-100RB#0-Range3:2000~20000MHz



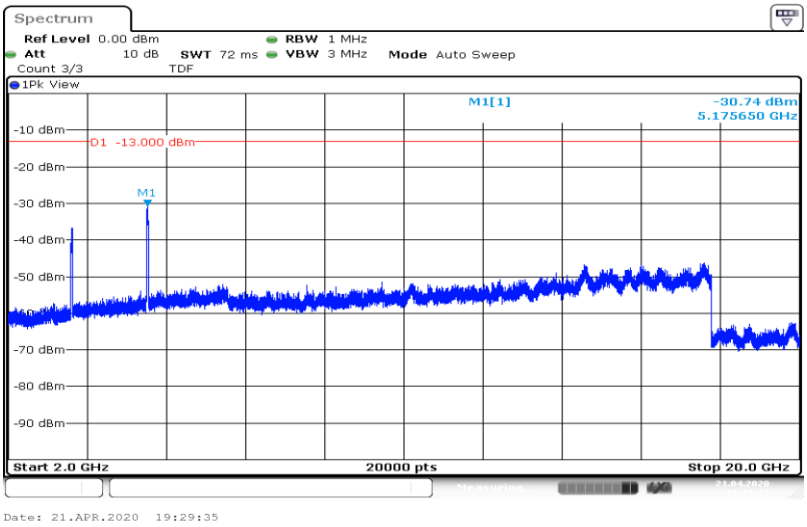
Band4-20MHz-16QAM-20050-100RB#0-Range1:30~1000MHz



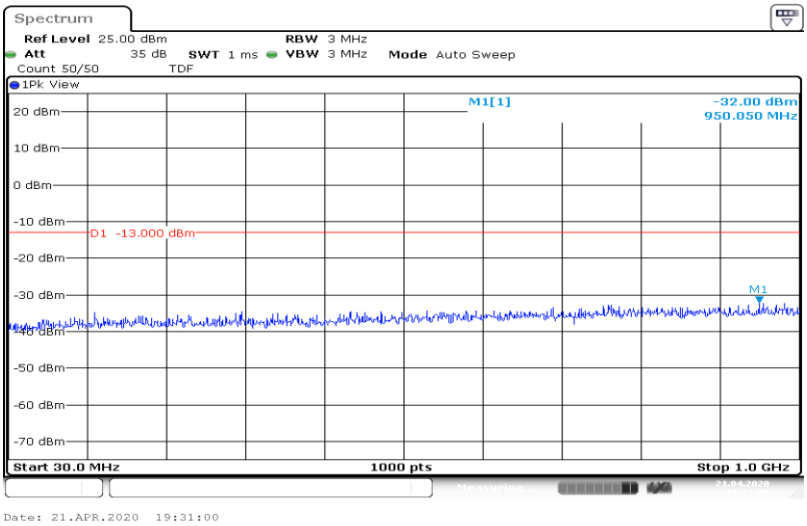
Band4-20MHz-16QAM-20050-100RB#0-Range2:1000~2000MHz



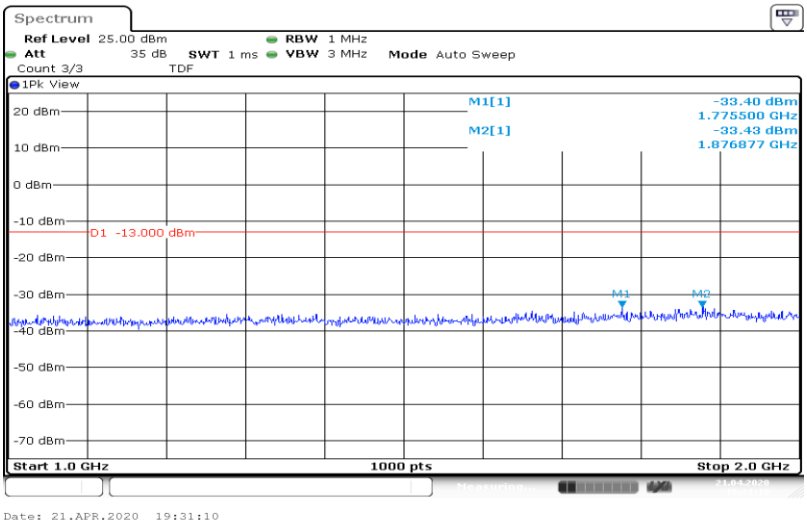
Band4-20MHz-16QAM-20050-100RB#0-Range3:2000~20000MHz



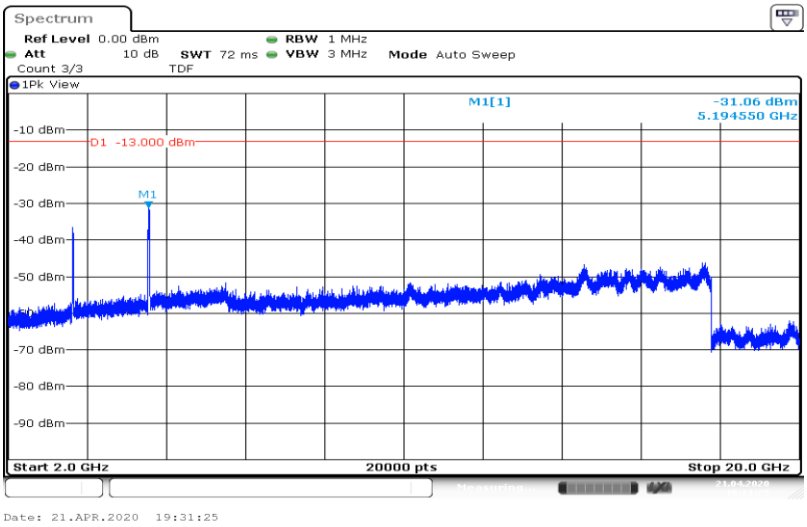
Band4-20MHz-16QAM-20175-100RB#0-Range1:30~1000MHz



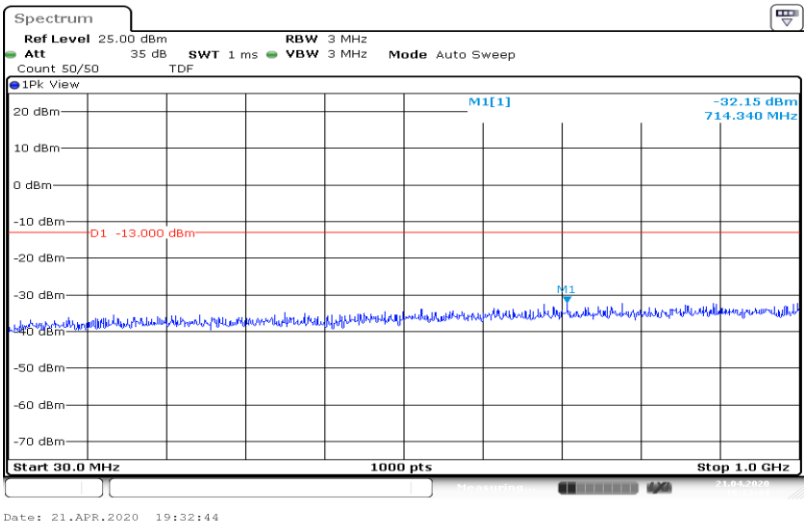
Band4-20MHz-16QAM-20175-100RB#0-Range2:1000~2000MHz



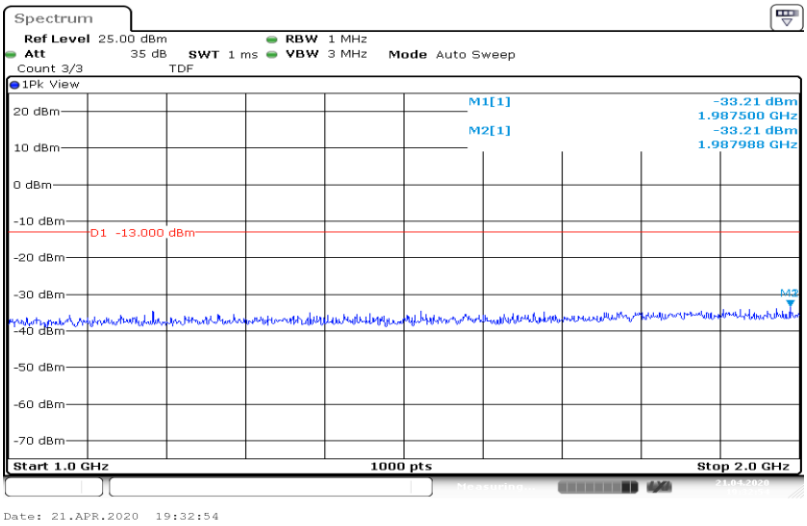
Band4-20MHz-16QAM-20175-100RB#0-Range3:2000~20000MHz



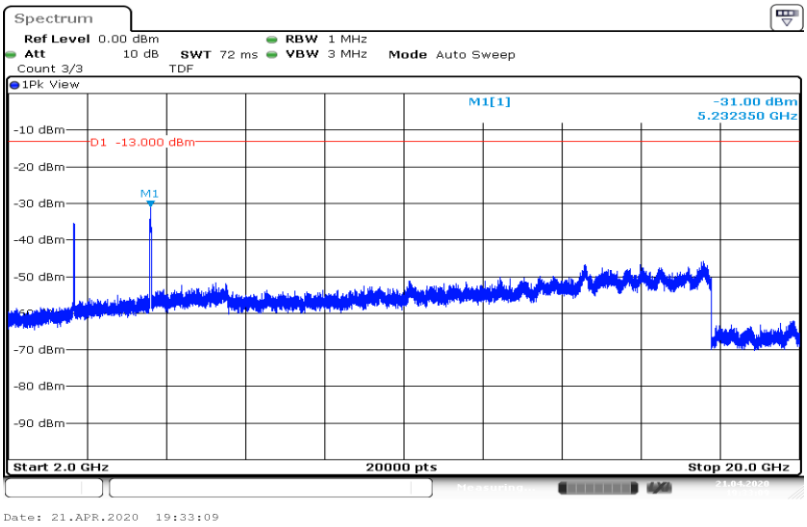
Band4-20MHz-16QAM-20300-100RB#0-Range1:30~1000MHz



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



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


Spectrum
Ref Level 0.00 dBm
RBW 1 MHz
Att 10 dB
SWT 72 ms
VBW 3 MHz
Mode Auto Sweep
Count 3/3
TDF
1Pk View
M1[1]
-31.00 dBm
5.232350 GHz
-10 dBm
D1 -13.000 dBm
-20 dBm
M1
-30 dBm
-40 dBm
-50 dBm
-70 dBm
-80 dBm
-90 dBm
Start 2.0 GHz
20000 pts
Stop 20.0 GHz
Date: 21.APR.2020 19:33:09