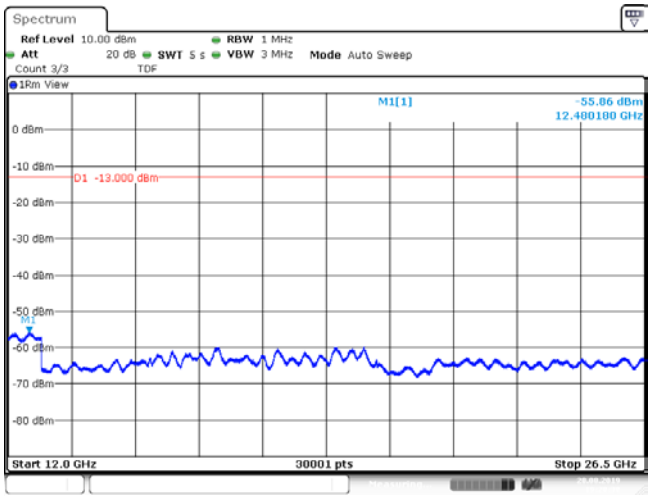
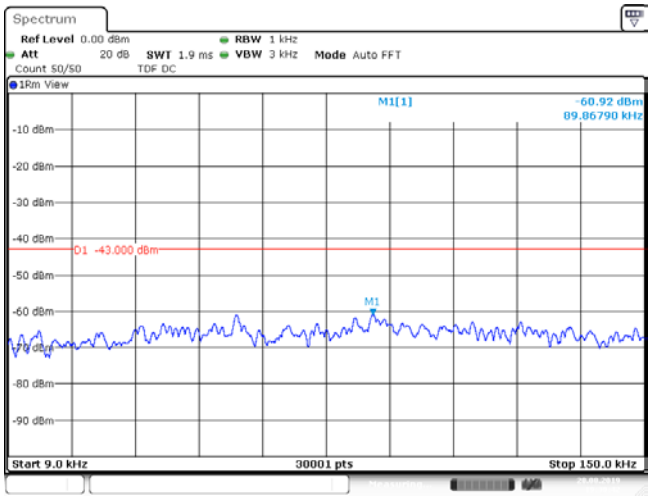


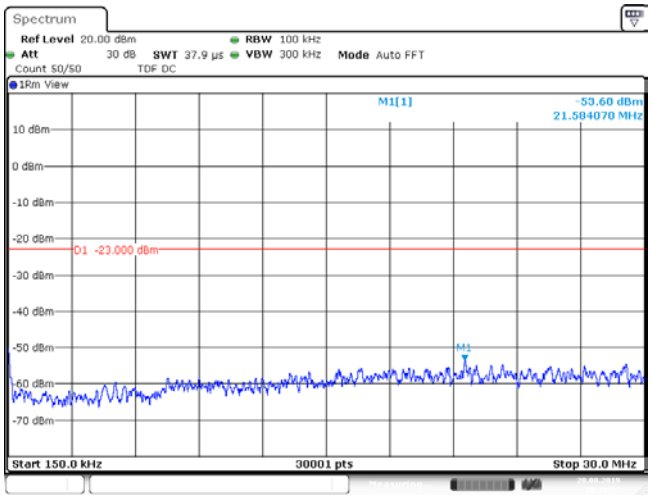
Date: 28.AUG.2019 19:28:38

Band4_5MHz_QPSK_20175_1RB#0



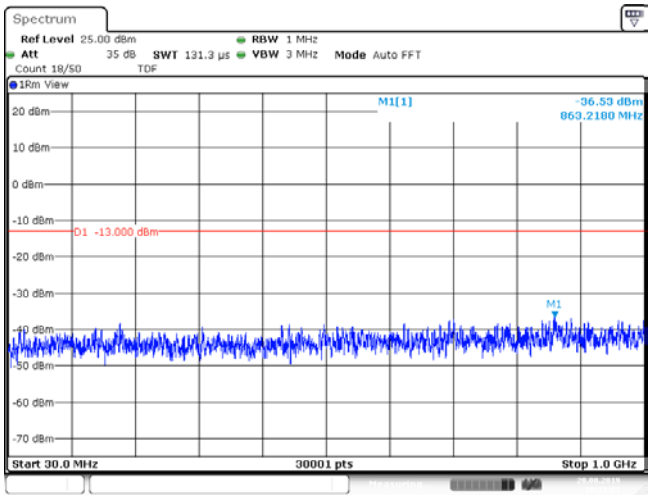
Date: 28.AUG.2019 19:30:42

Band4_5MHz_QPSK_20175_1RB#0



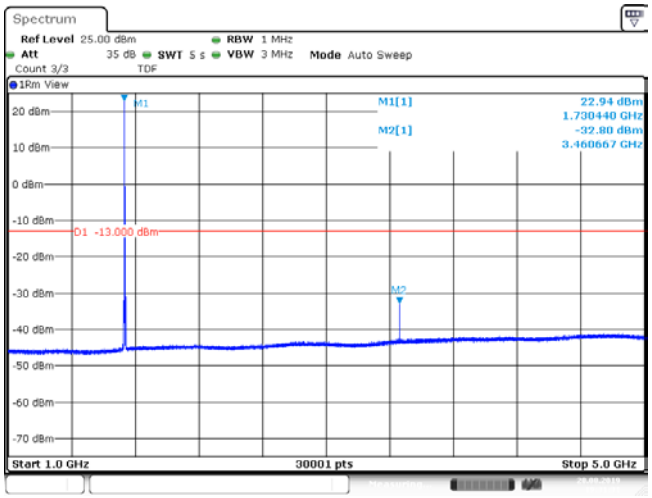
Date: 28.AUG.2019 19:30:52

Band4_5MHz_QPSK_20175_1RB#0



Date: 28.AUG.2019 19:31:04

Band4_5MHz_QPSK_20175_1RB#0



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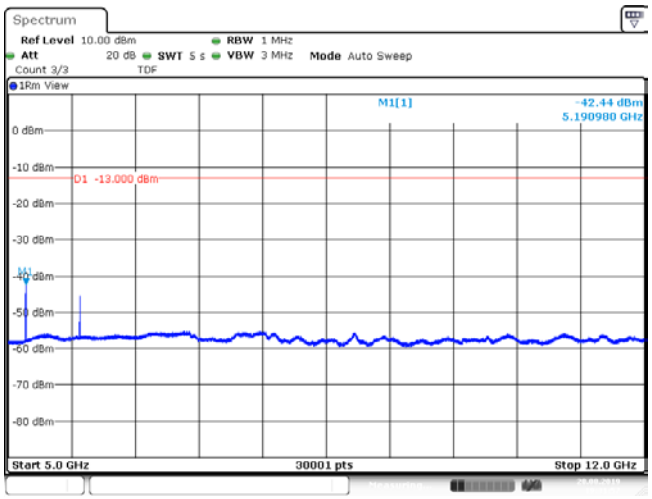
Band4_5MHz_QPSK_20175_1RB#0



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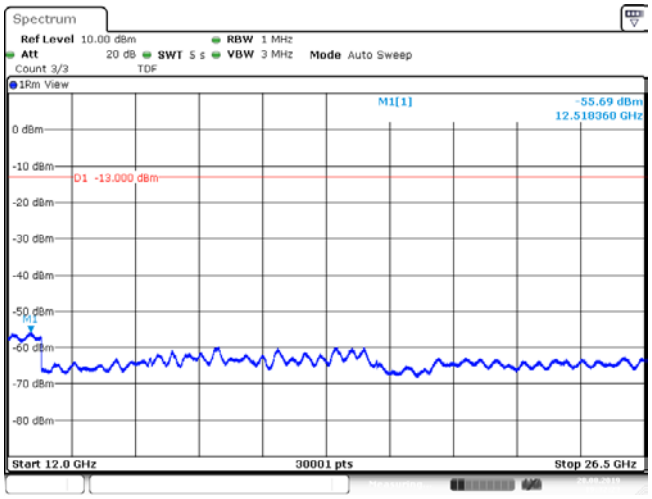
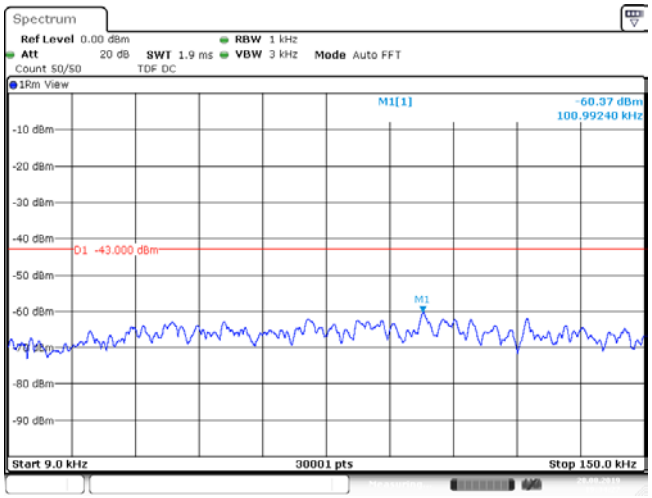
Band4_5MHz_QPSK_20175_1RB#0



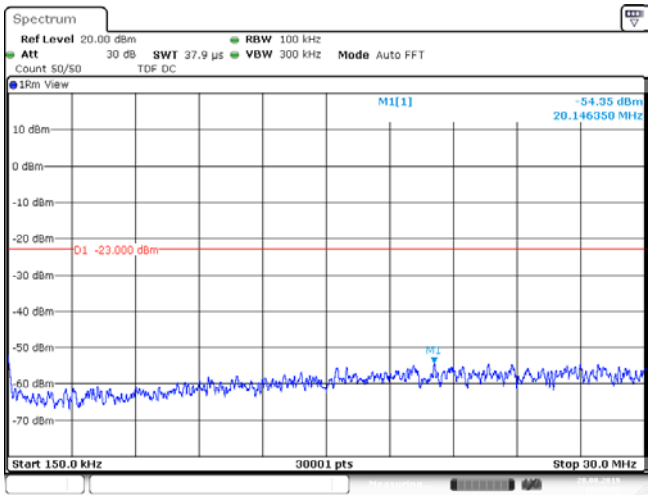
Date: 28.AUG.2019 19:32:23

Band4_5MHz_QPSK_20375_1RB#0



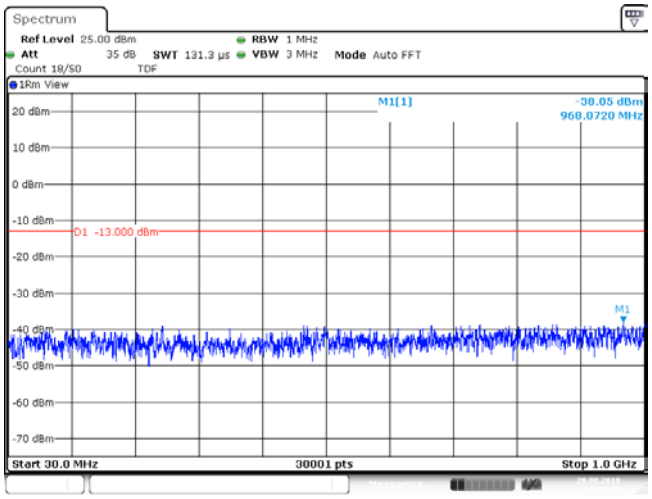
Date: 28.AUG.2019 19:34:27

Band4_5MHz_QPSK_20375_1RB#0



Date: 28.AUG.2019 19:34:37

Band4_5MHz_QPSK_20375_1RB#0



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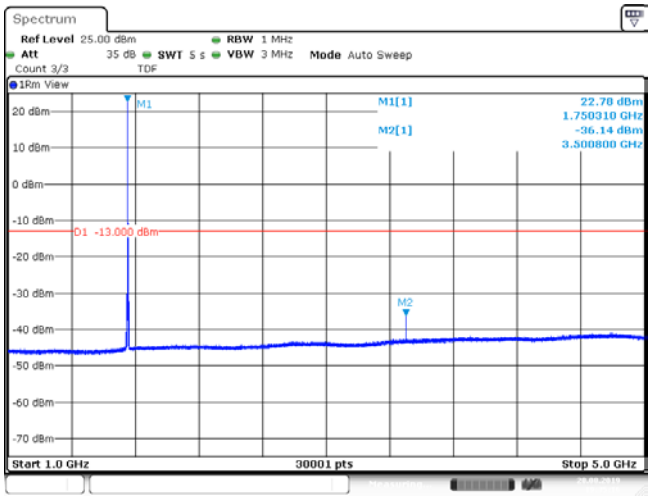
Band4_5MHz_QPSK_20375_1RB#0



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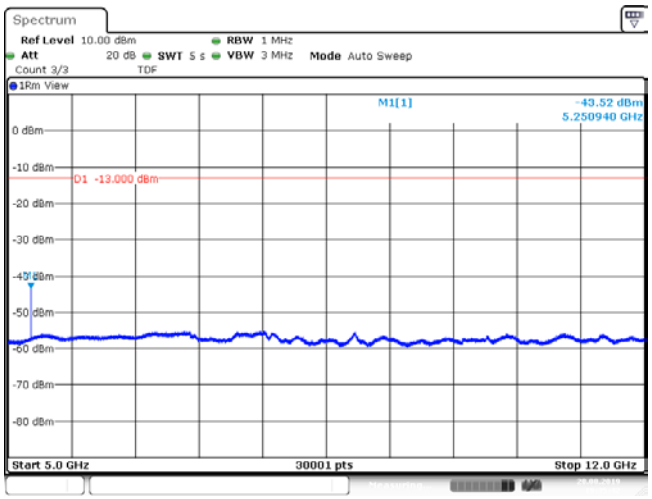
Band4_5MHz_QPSK_20375_1RB#0



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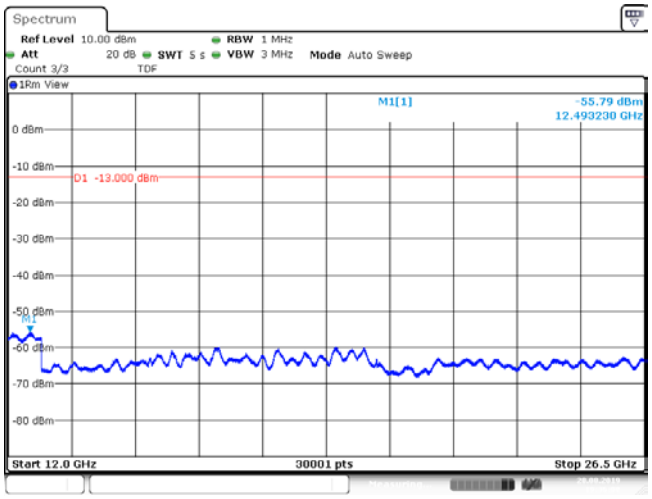
Band4_5MHz_QPSK_20375_1RB#0



Date: 28.AUG.2019 19:36:08

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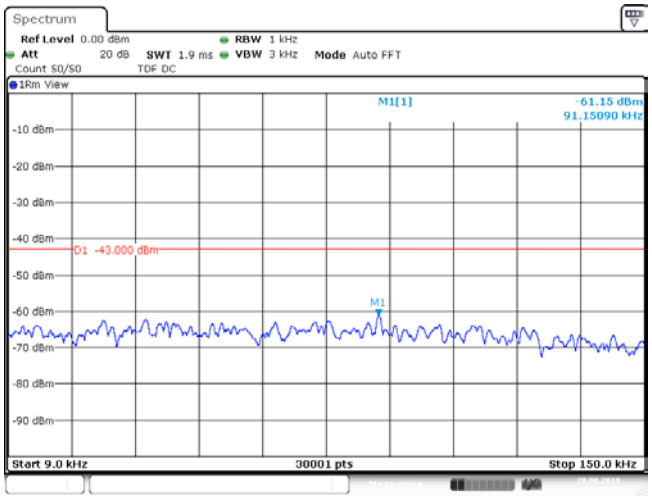
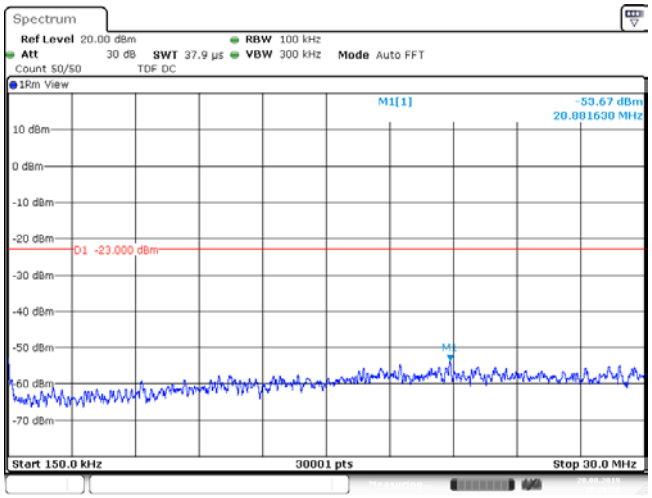


Date: 28.AUG.2019 19:28:49

Band4_5MHz_16QAM_19975_1RB#0



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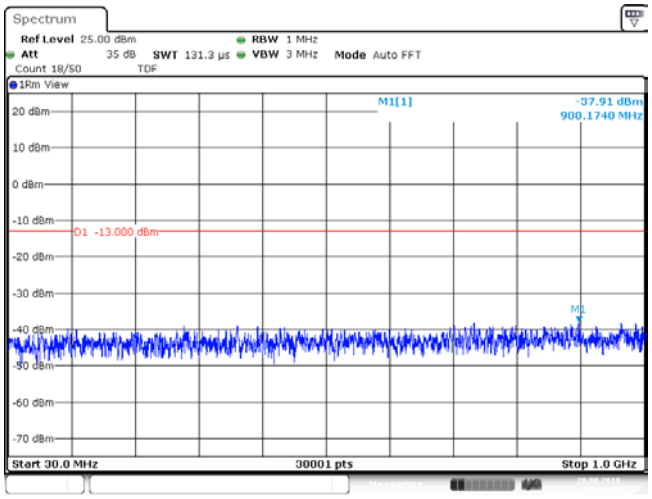
Band4_5MHz_16QAM_19975_1RB#0



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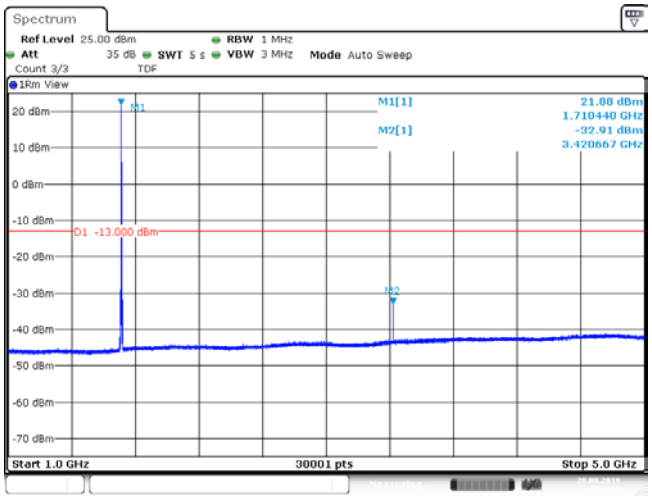

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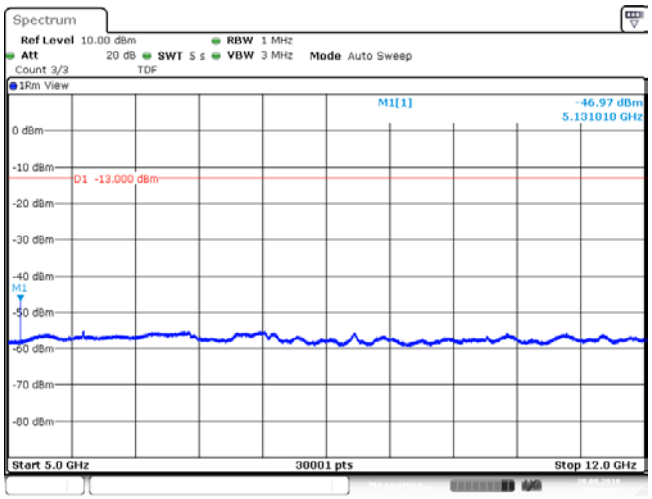

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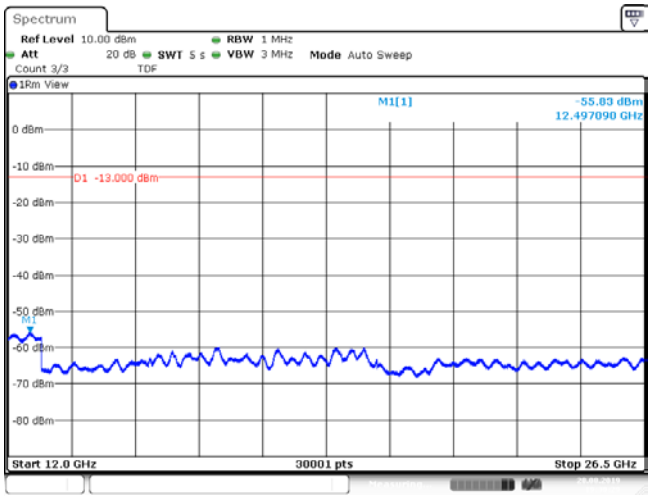

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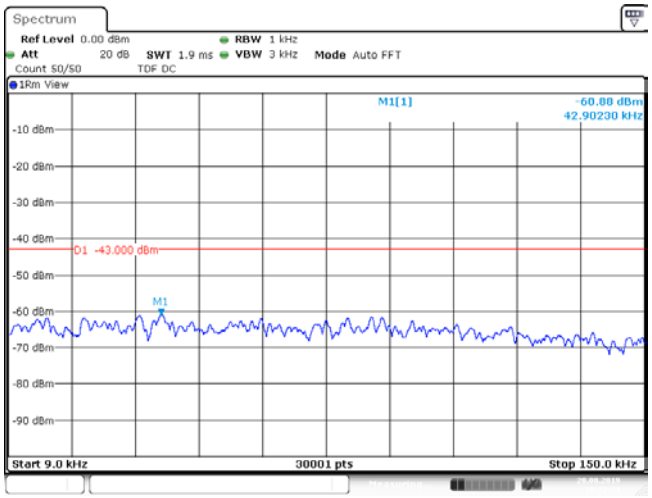
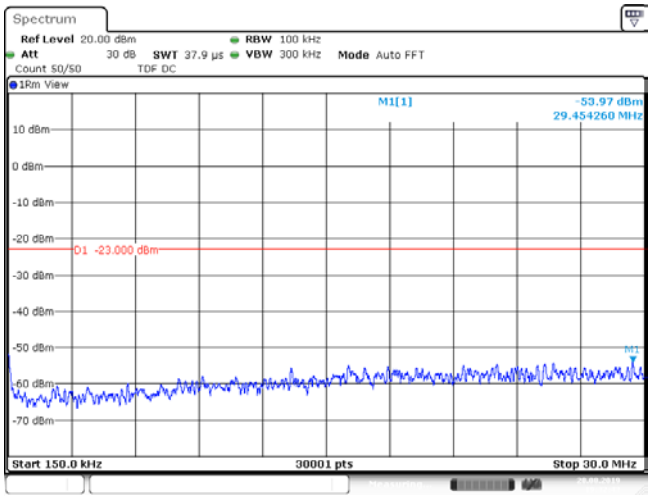
Band4_5MHz_16QAM_20175_1RB#0



Date: 28.AUG.2019 19:32:33

Band4_5MHz_16QAM_20175_1RB#0



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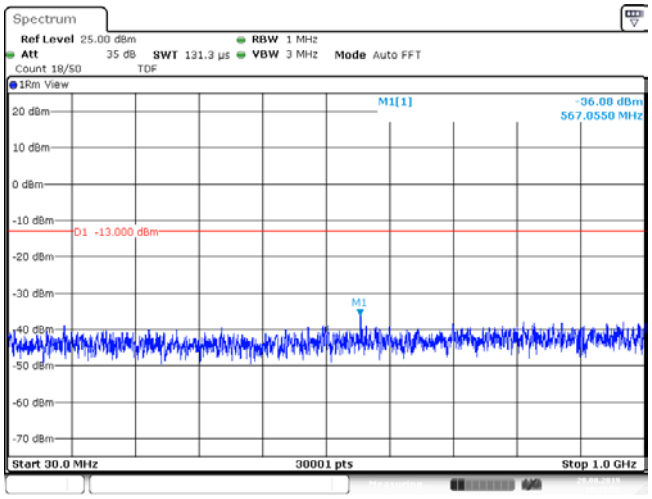

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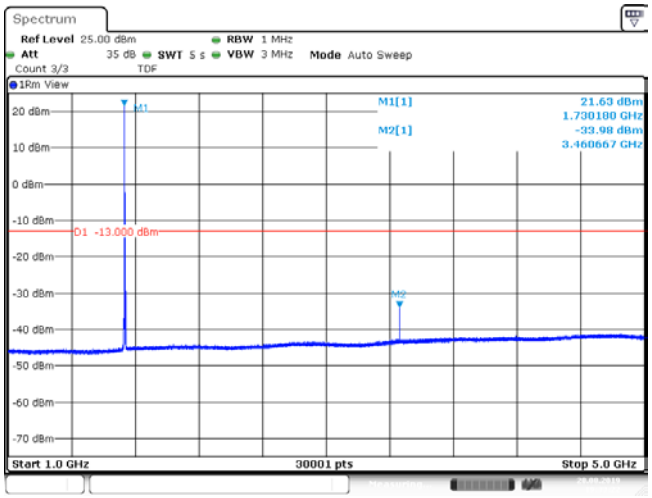
Band4_5MHz_16QAM_20175_1RB#0



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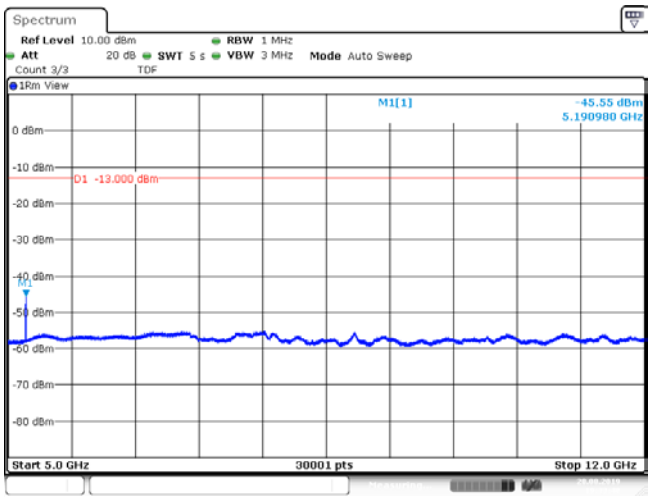

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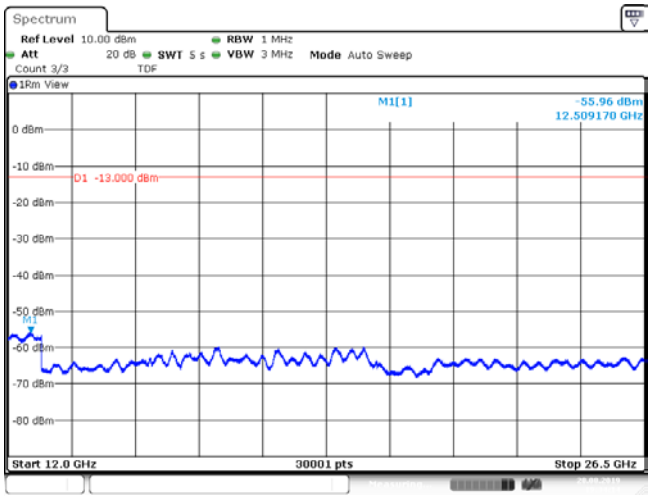

Date: 28.AUG.2019 19:34:14

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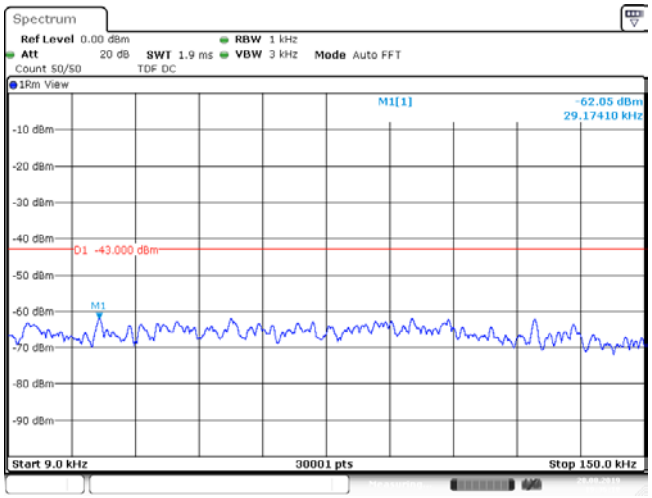
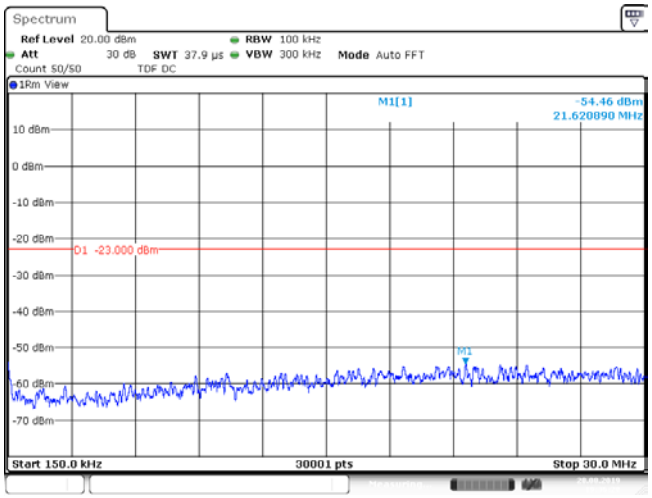


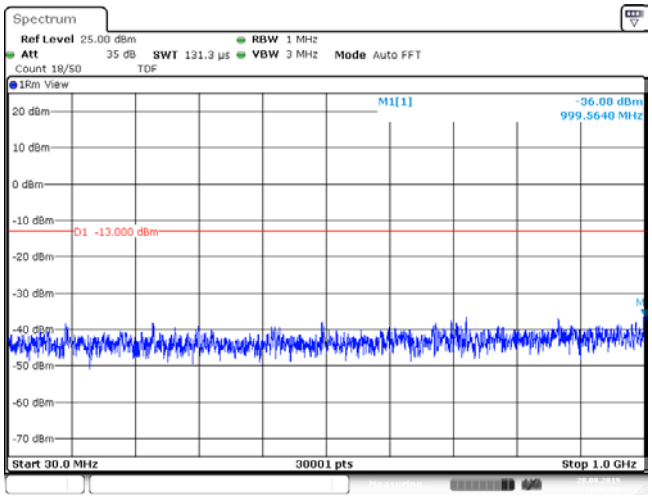
Date: 28.AUG.2019 19:36:18

Band4_5MHz_16QAM_20375_1RB#0



Date: 28.AUG.2019 19:36:28

Band4_5MHz_16QAM_20375_1RB#0



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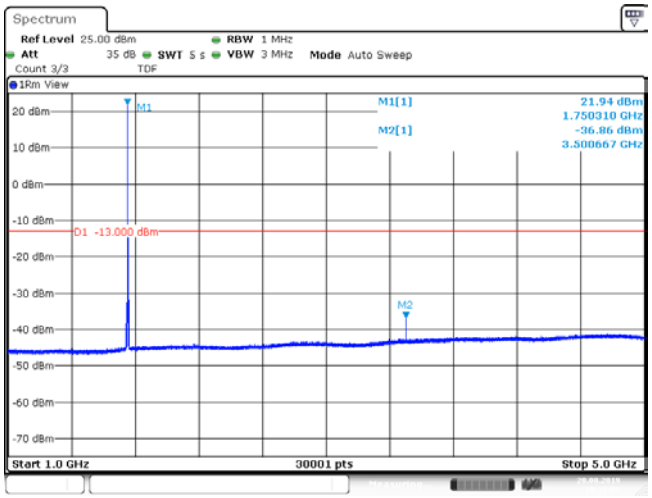
Band4_5MHz_16QAM_20375_1RB#0



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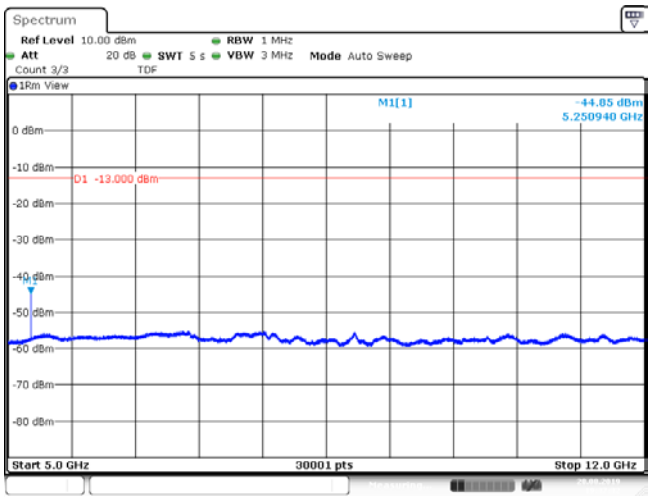
Band4_5MHz_16QAM_20375_1RB#0



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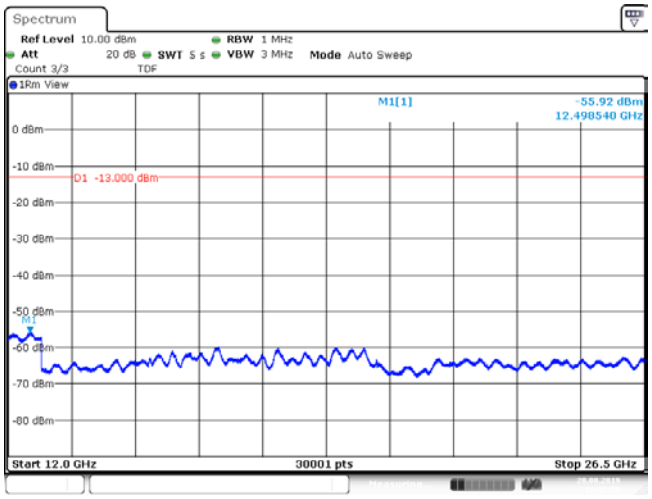

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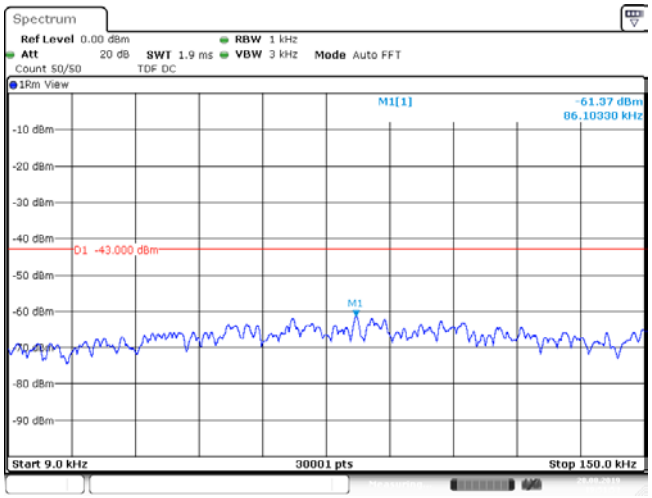
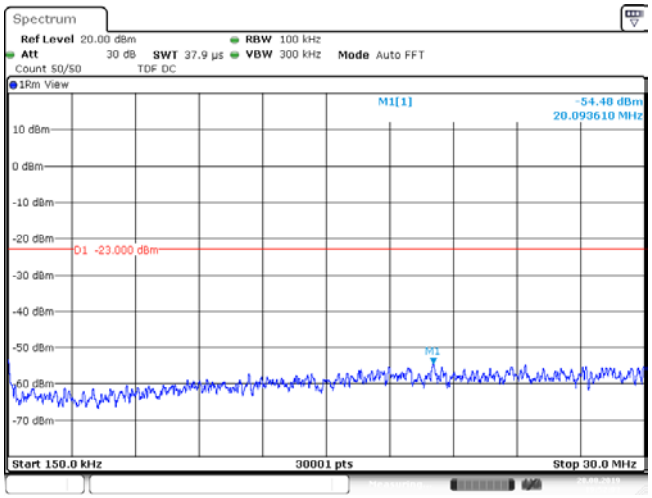
Band4_10MHz_QPSK_20000_1RB#0



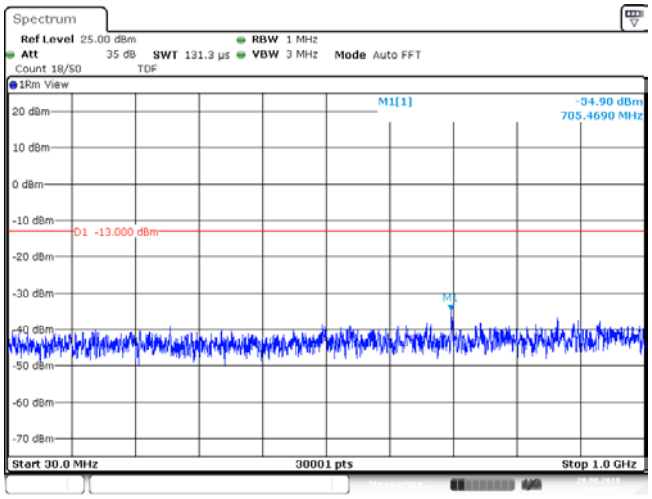
Date: 28.AUG.2019 19:51:53

Band4_10MHz_QPSK_20000_1RB#0



Date: 28.AUG.2019 19:52:03

Band4_10MHz_QPSK_20000_1RB#0



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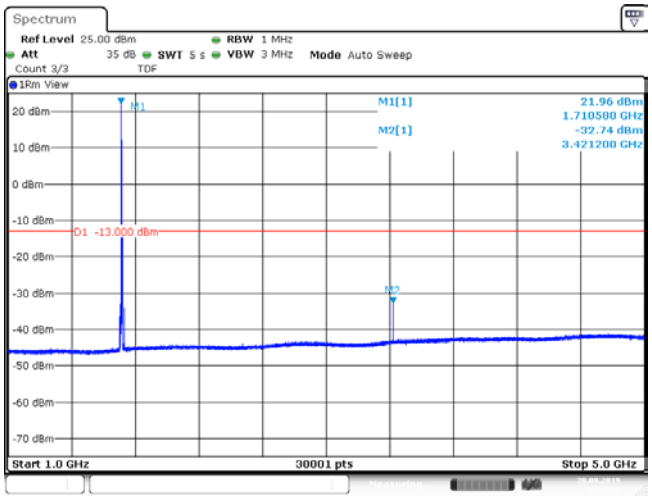
Band4_10MHz_QPSK_20000_1RB#0



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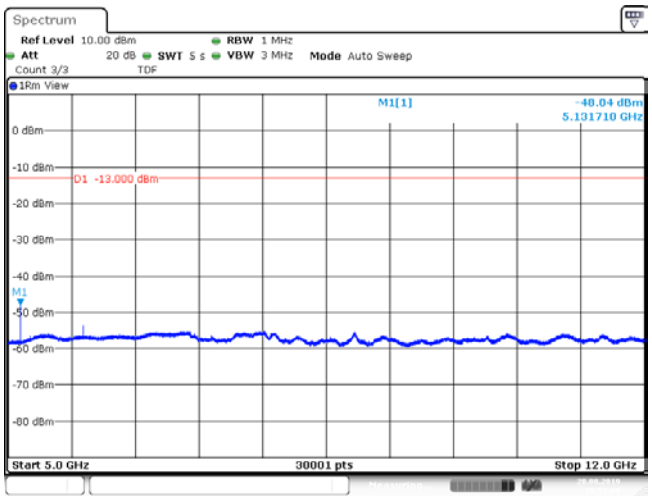
Band4_10MHz_QPSK_20000_1RB#0



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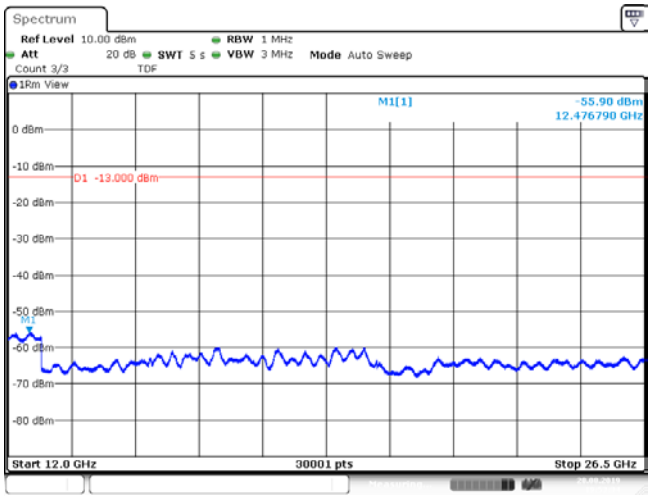
Band4_10MHz_QPSK_20000_1RB#0



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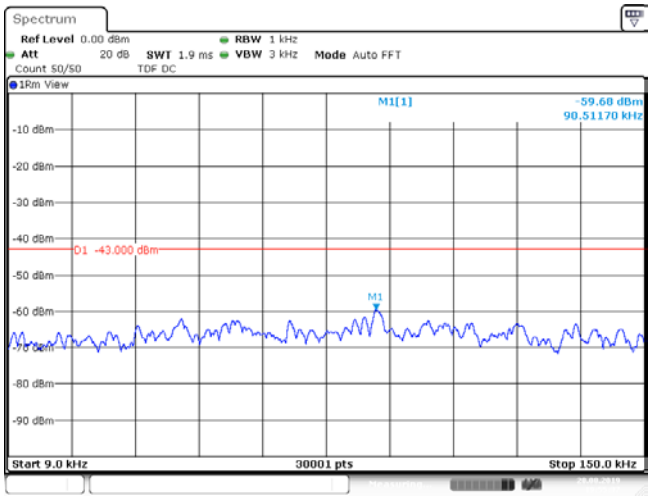
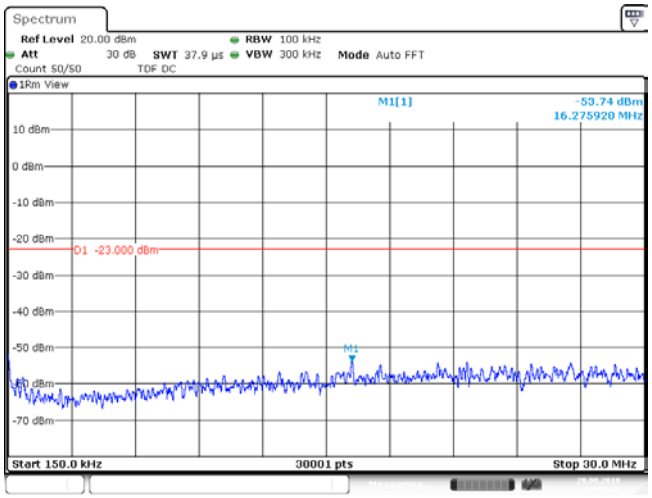
Band4_10MHz_QPSK_20175_1RB#0



Date: 28.AUG.2019 19:55:38

Band4_10MHz_QPSK_20175_1RB#0



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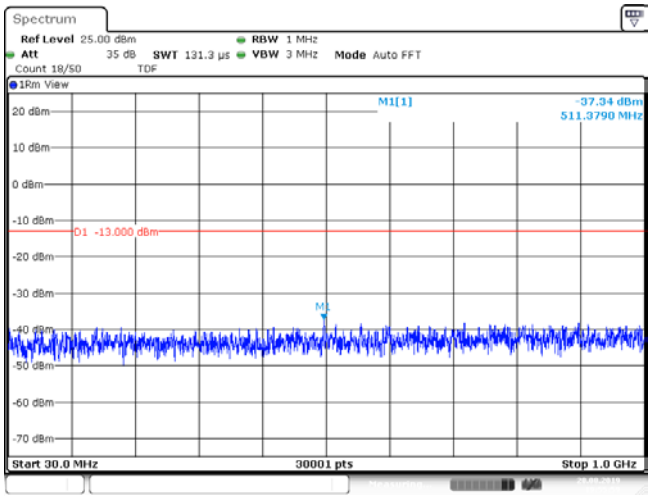
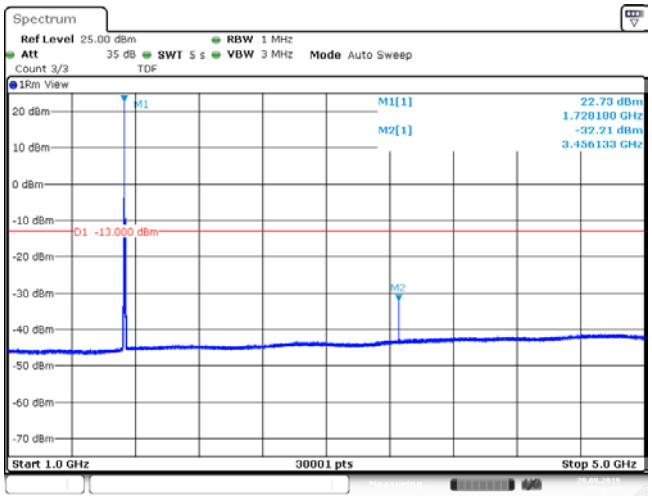
Band4_10MHz_QPSK_20175_1RB#0



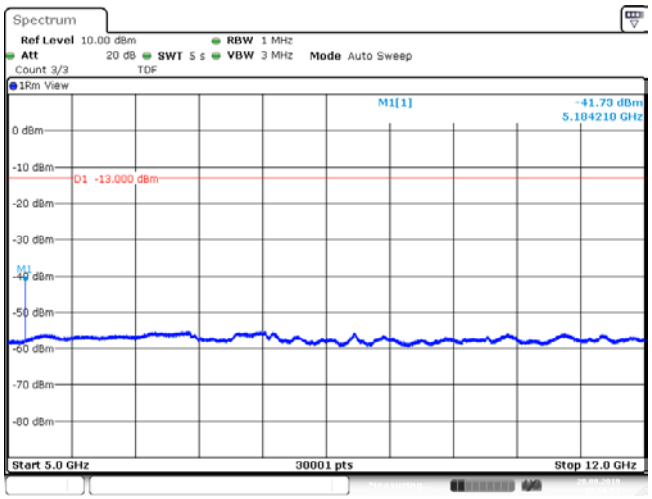
Date: 28.AUG.2019 19:55:59

Band4_10MHz_QPSK_20175_1RB#0



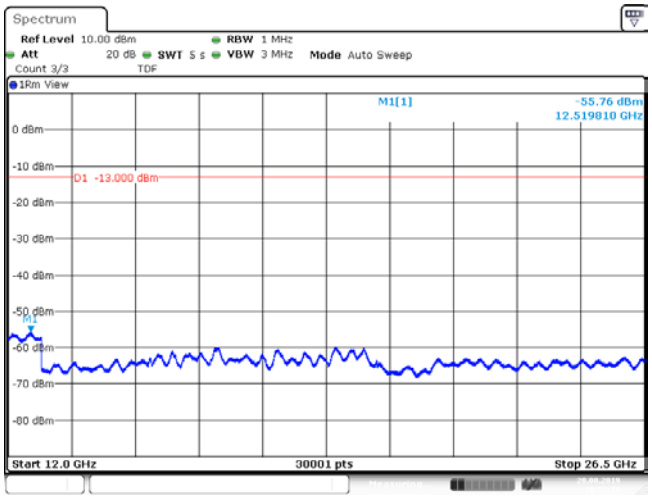
Date: 28.AUG.2019 19:56:26

Band4_10MHz_QPSK_20175_1RB#0



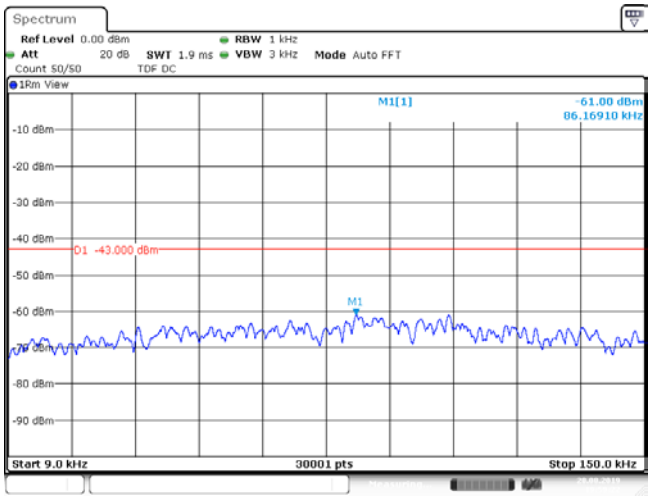
Date: 28.AUG.2019 19:56:52

Band4_10MHz_QPSK_20175_1RB#0



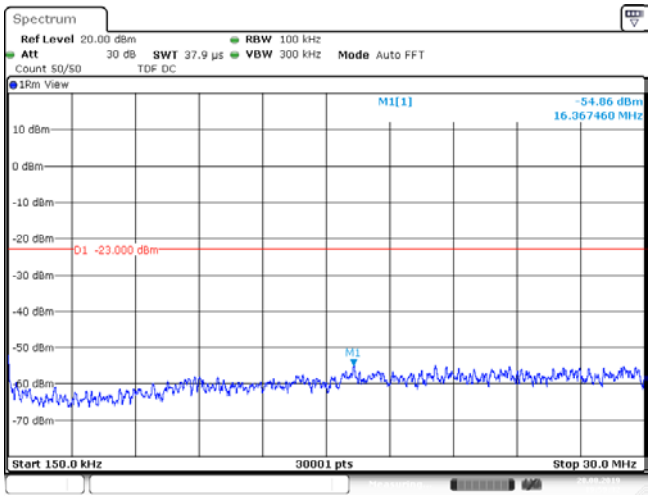
Date: 28.AUG.2019 19:57:18

Band4_10MHz_QPSK_20350_1RB#0



Date: 28.AUG.2019 19:59:23

Band4_10MHz_QPSK_20350_1RB#0



Date: 28.AUG.2019 19:59:32

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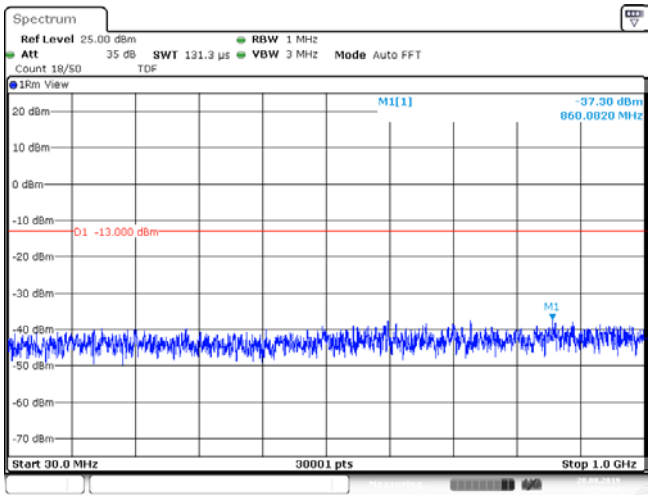
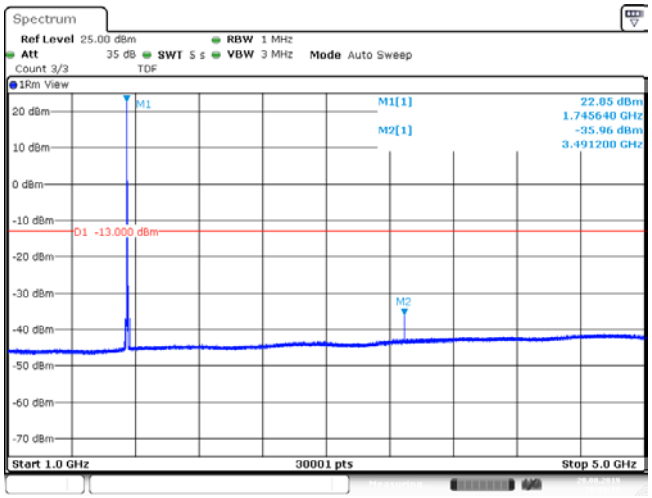


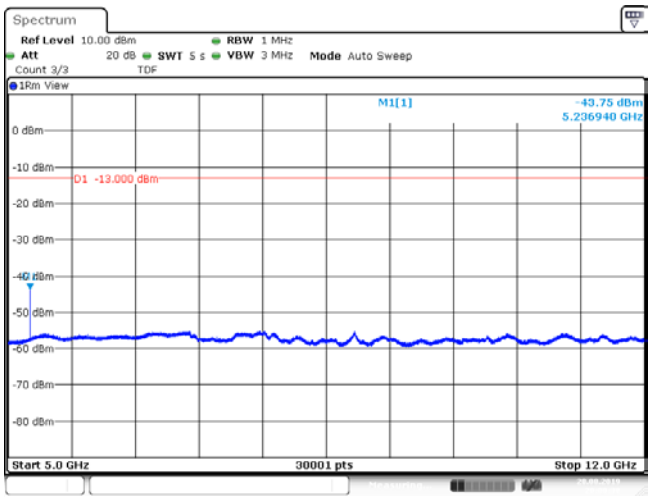
Date: 28.AUG.2019 19:59:44

Band4_10MHz_QPSK_20350_1RB#0



Date: 28.AUG.2019 20:00:11

Band4_10MHz_QPSK_20350_1RB#0



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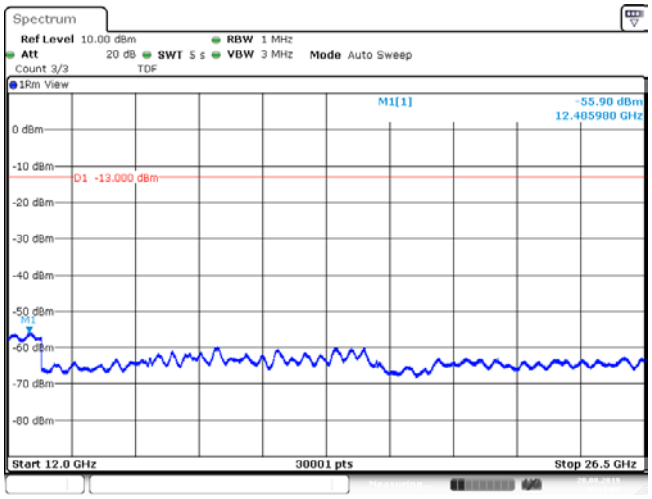
Band4_10MHz_QPSK_20350_1RB#0



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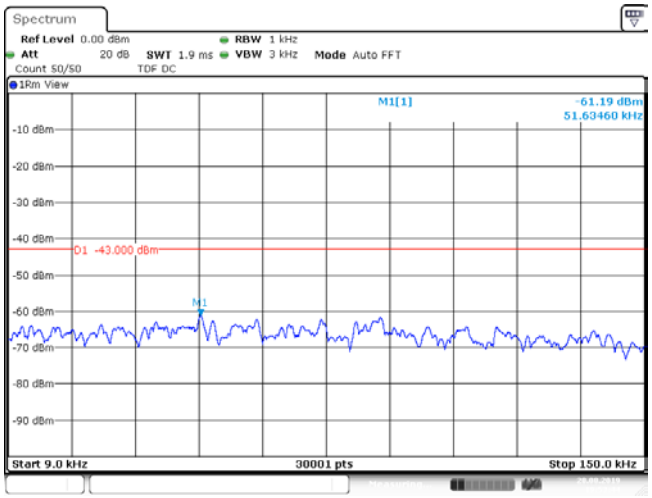

Date: 28.AUG.2019 19:53:44

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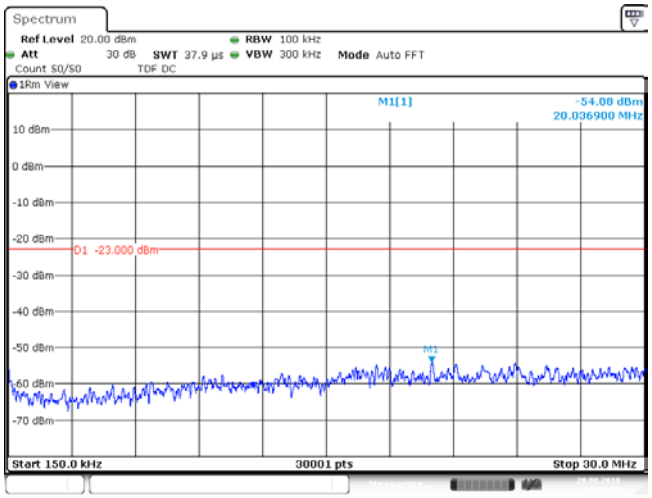

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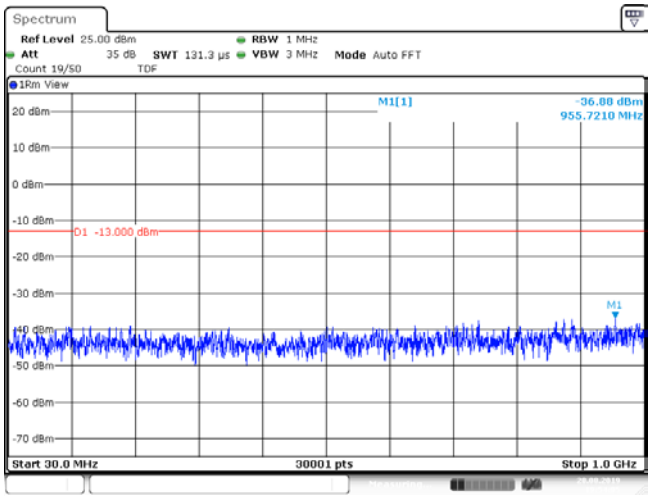

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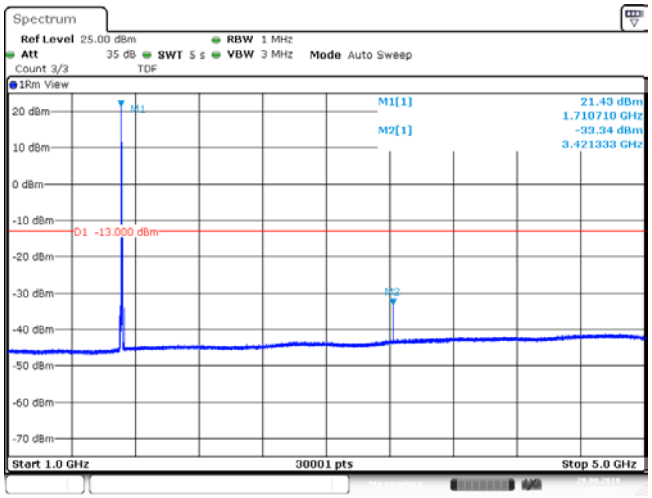

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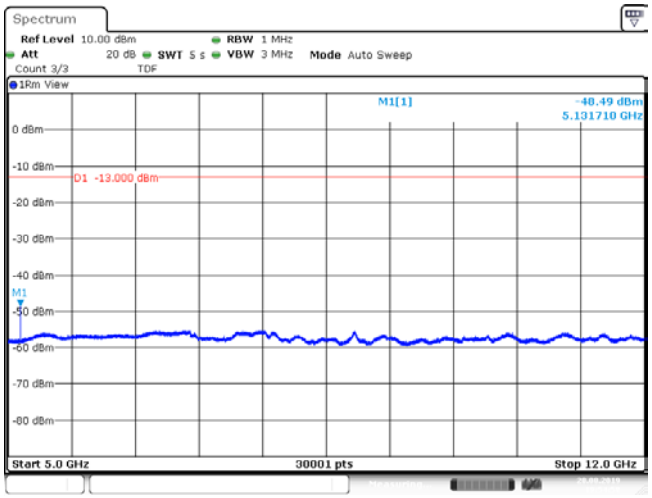

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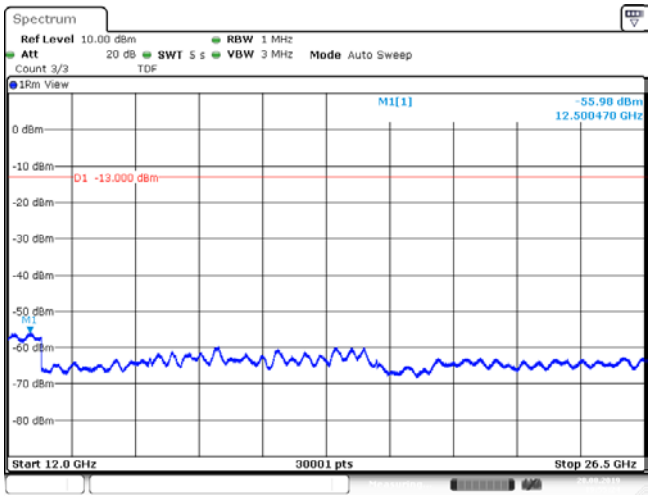

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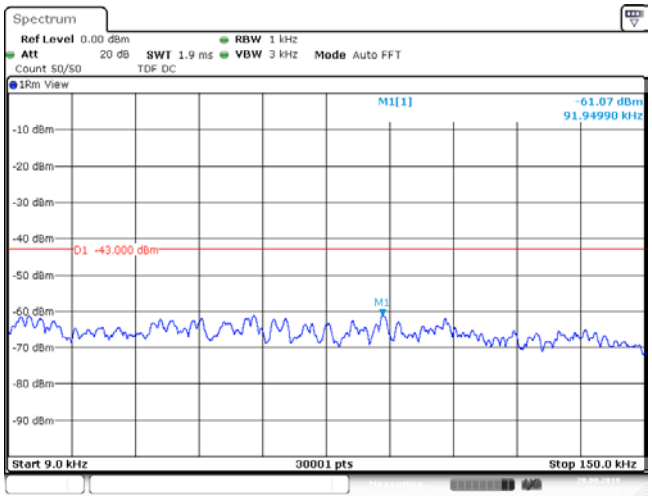
Band4_10MHz_16QAM_20175_1RB#0



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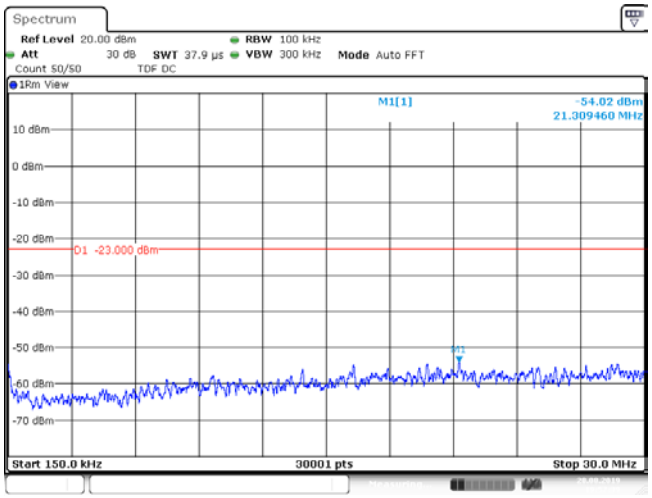

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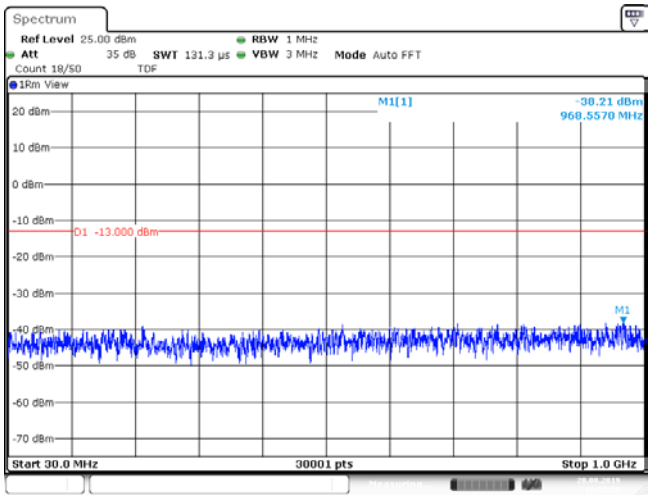

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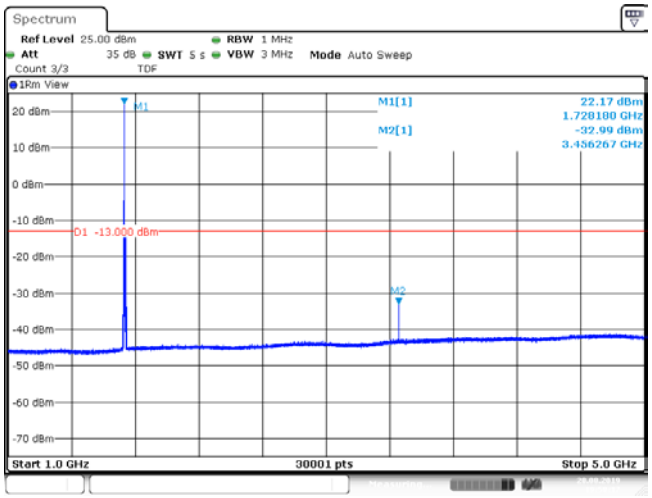

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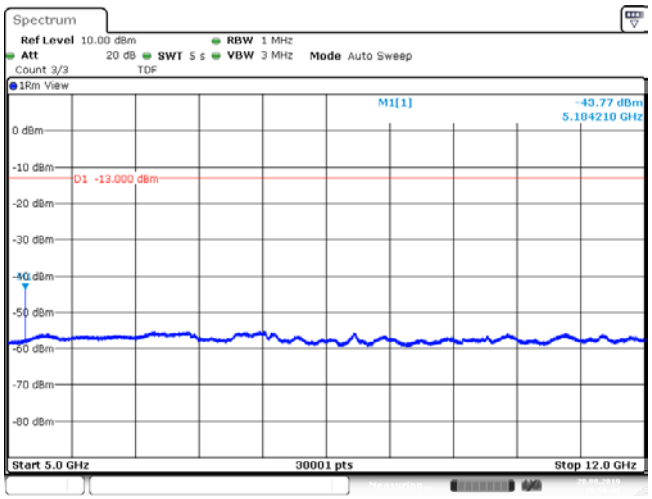

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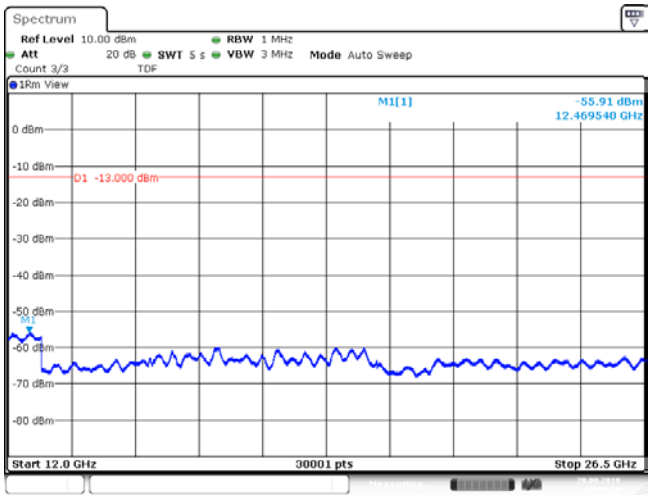

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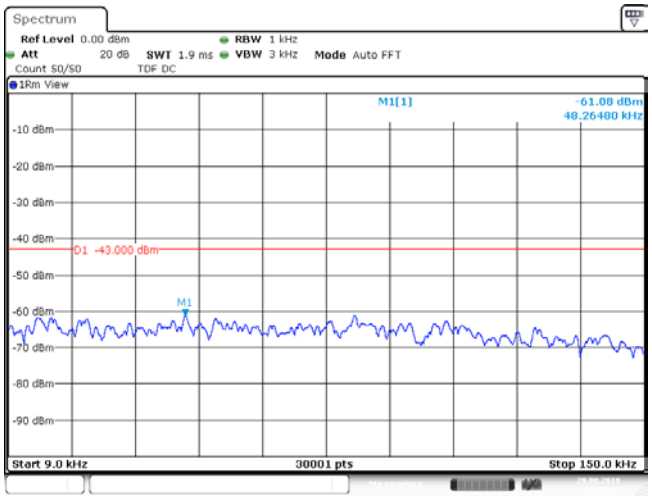

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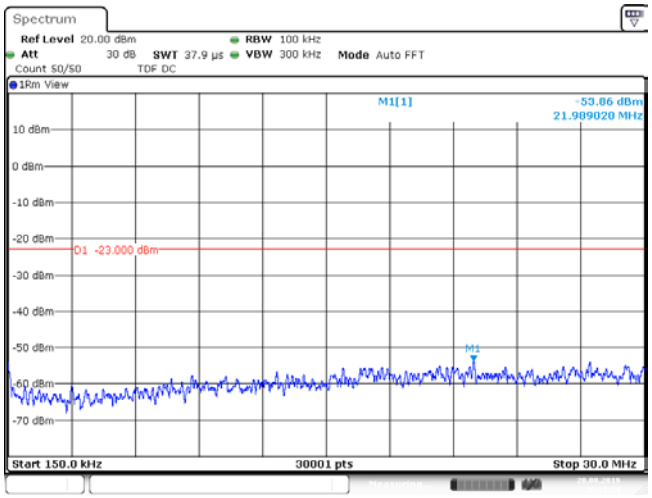

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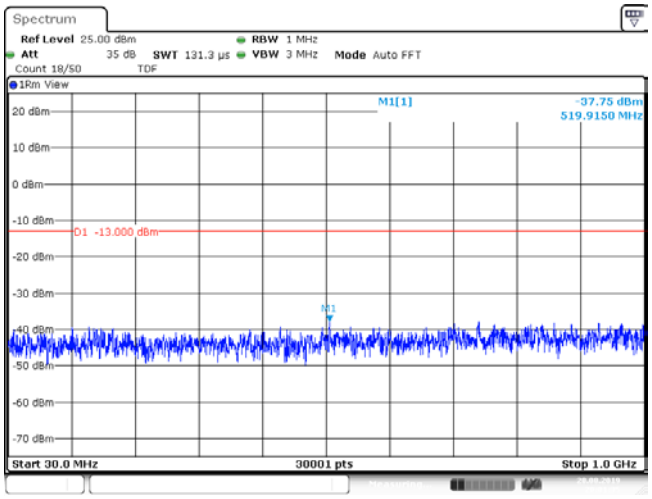

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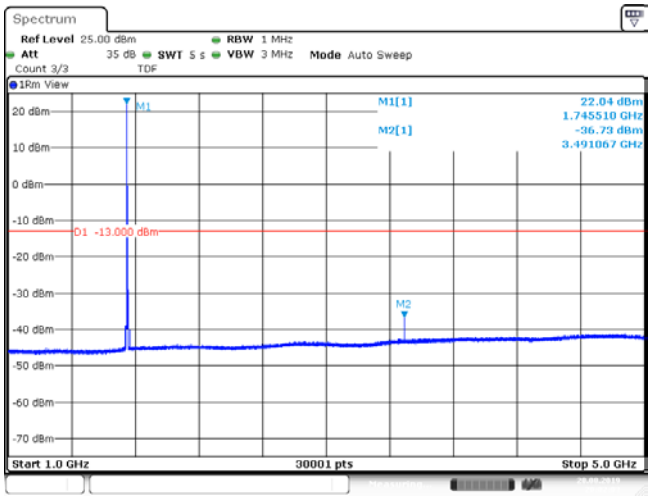

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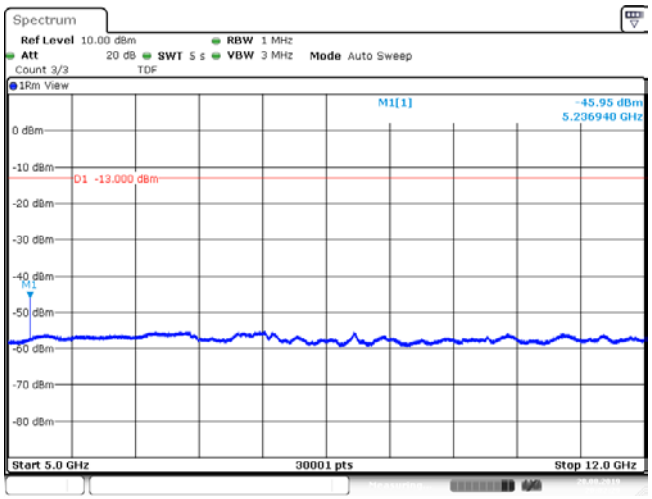

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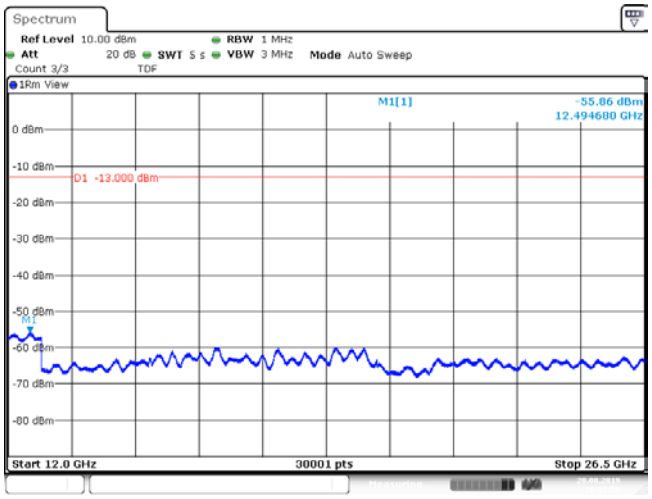

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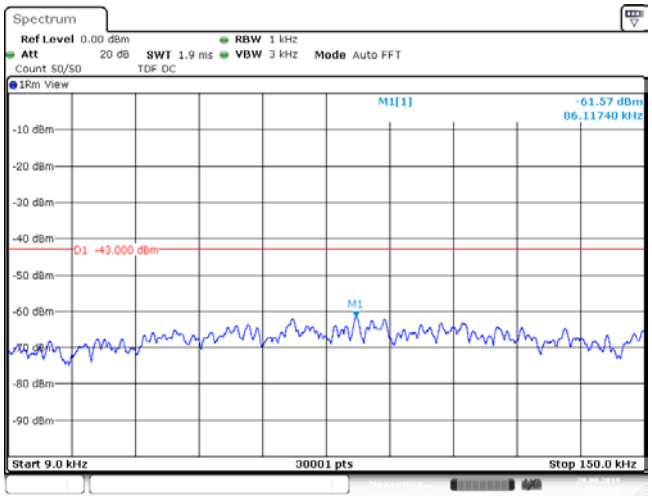
Band4_15MHz_QPSK_20025_1RB#0



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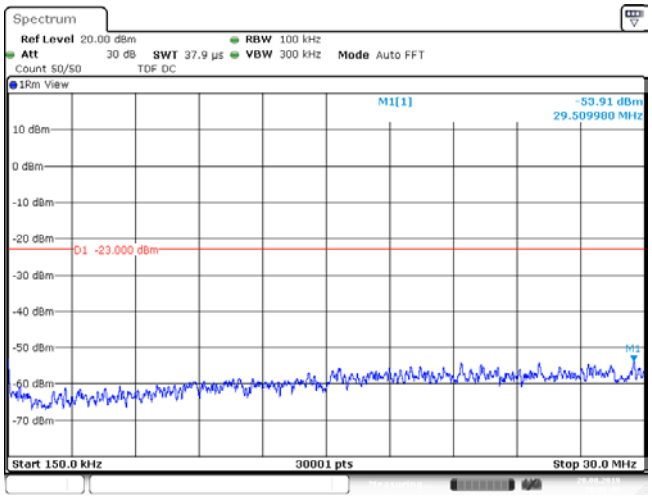

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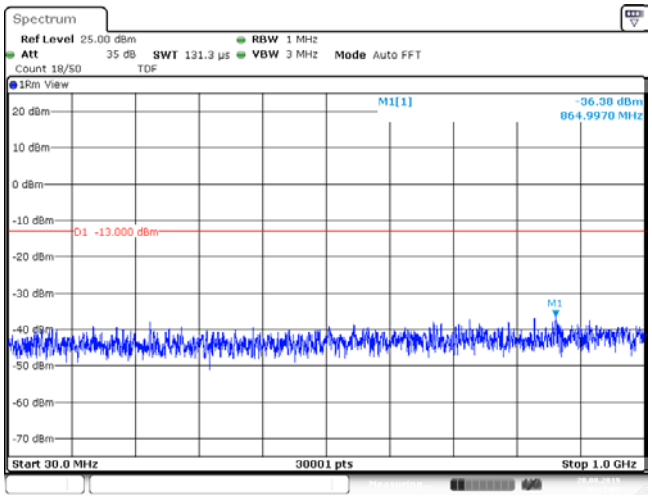

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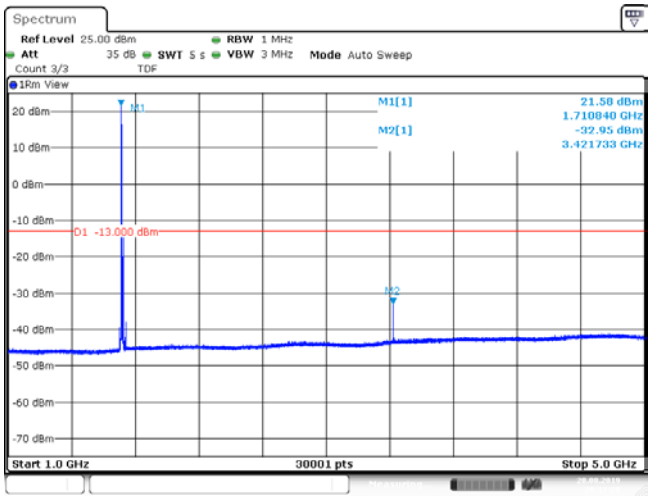

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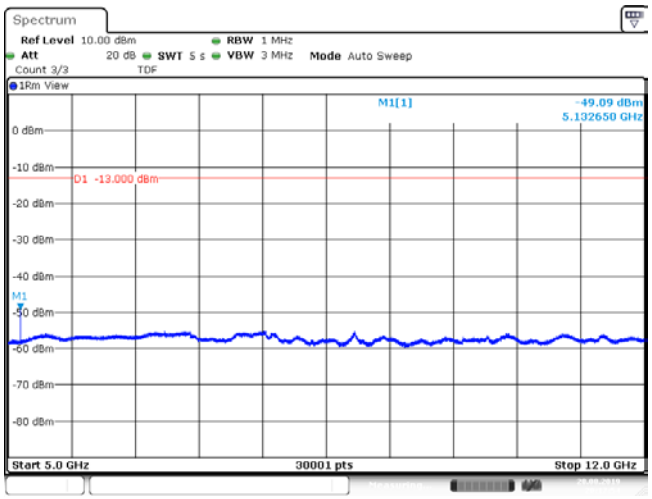

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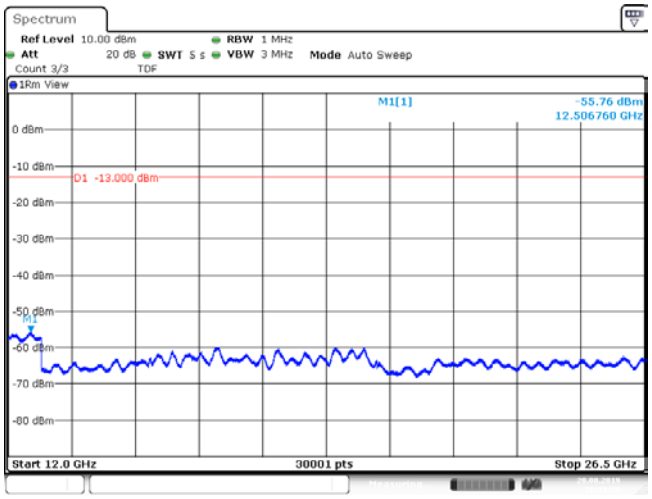

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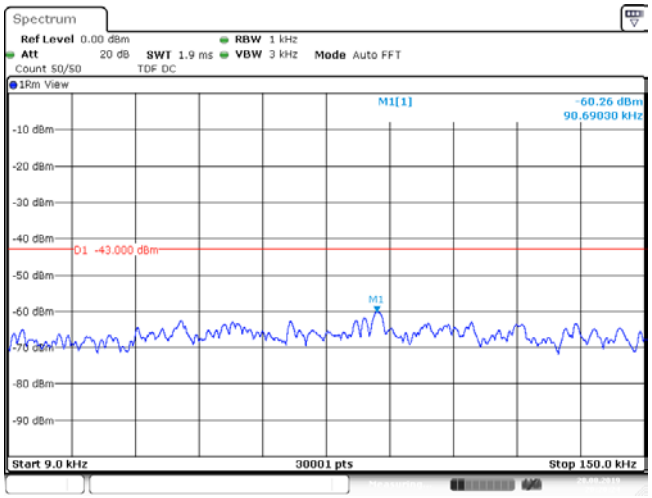

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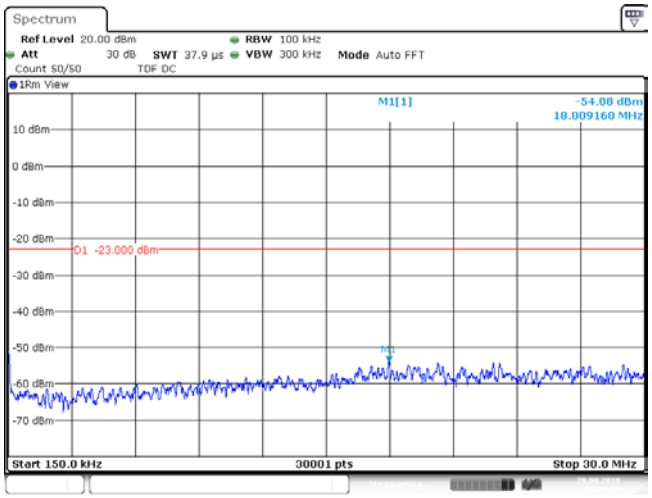

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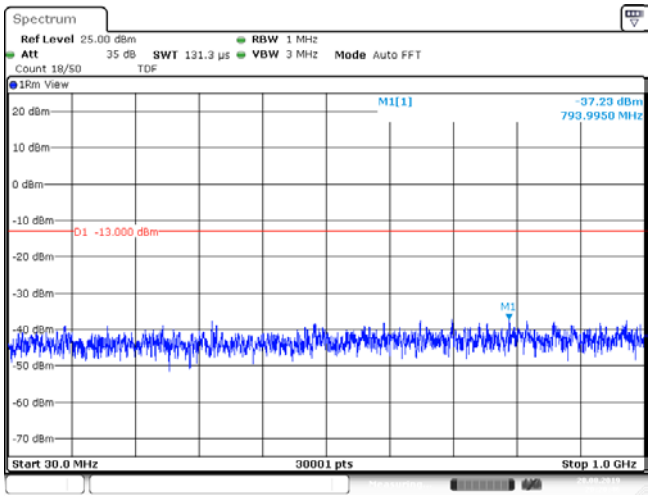

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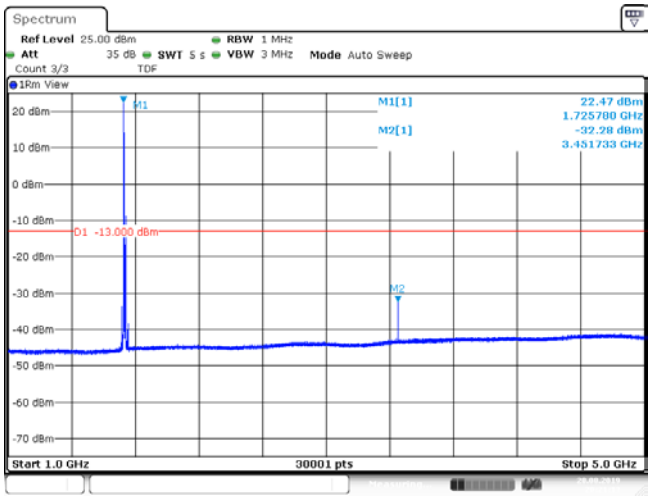

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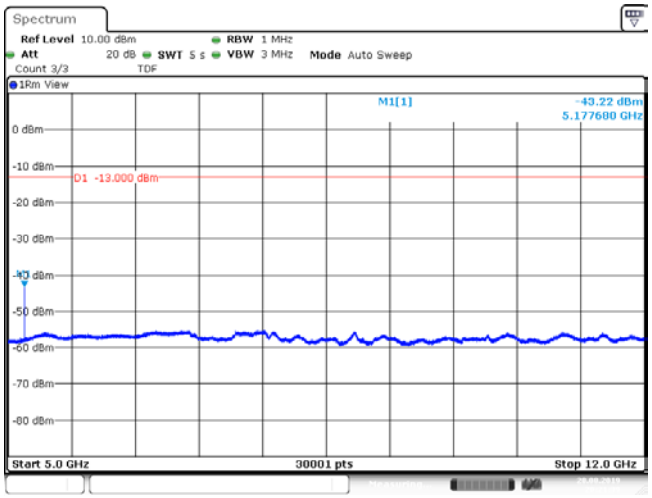

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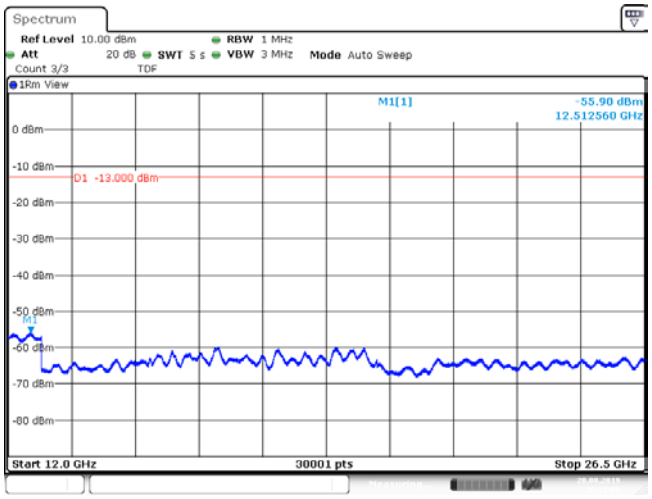

Date: 28.AUG.2019 20:22:05

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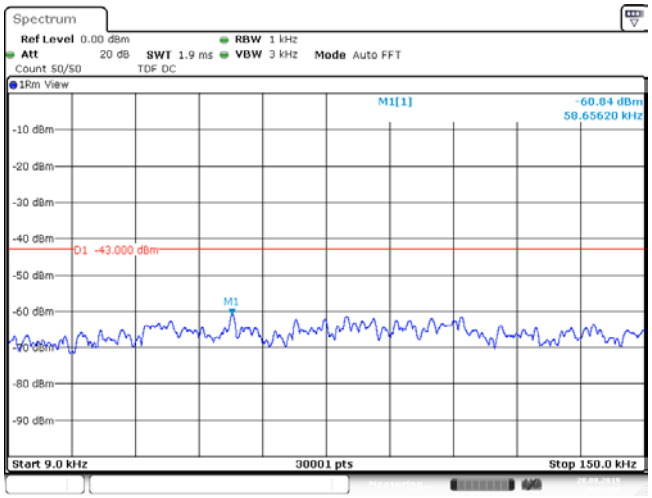

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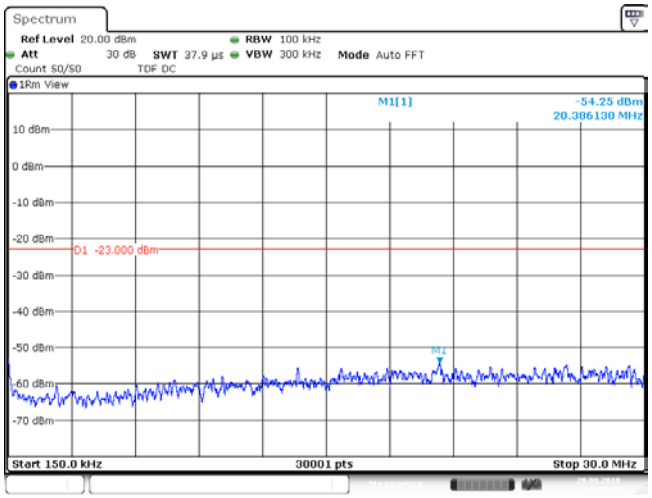

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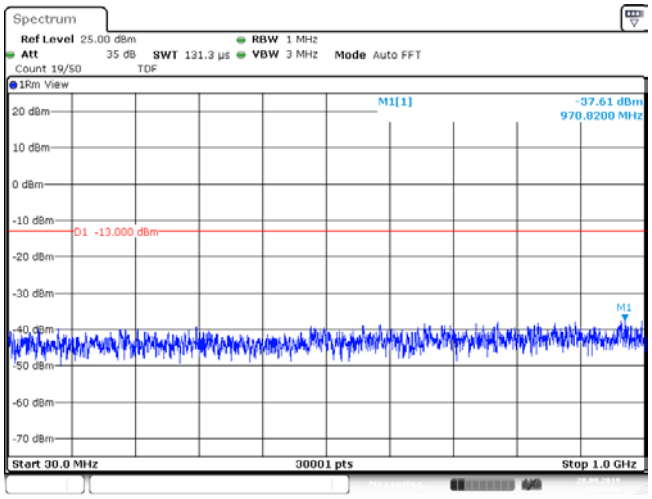

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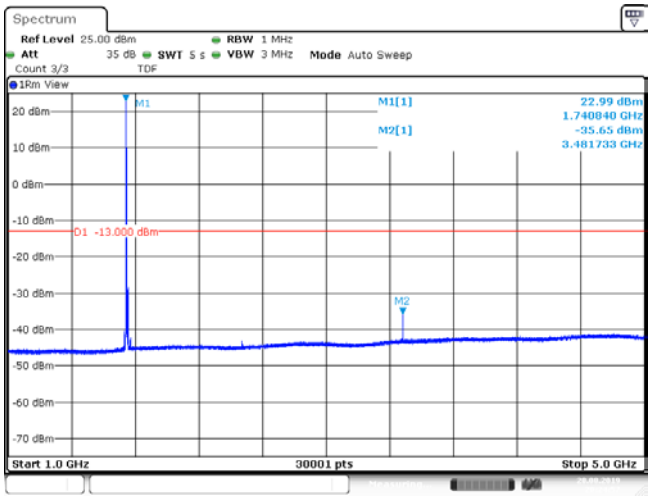

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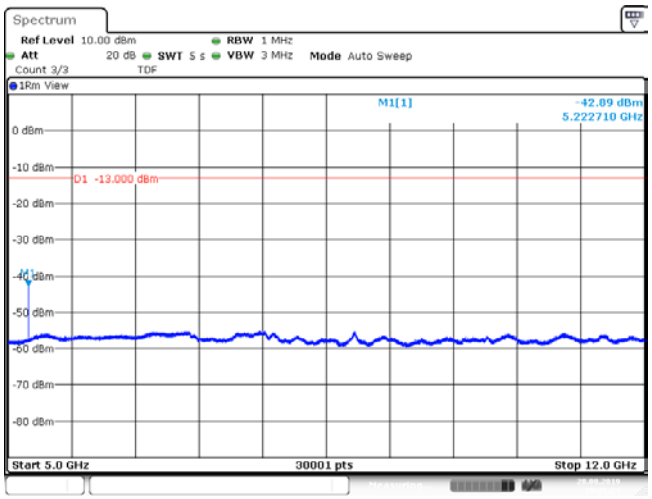

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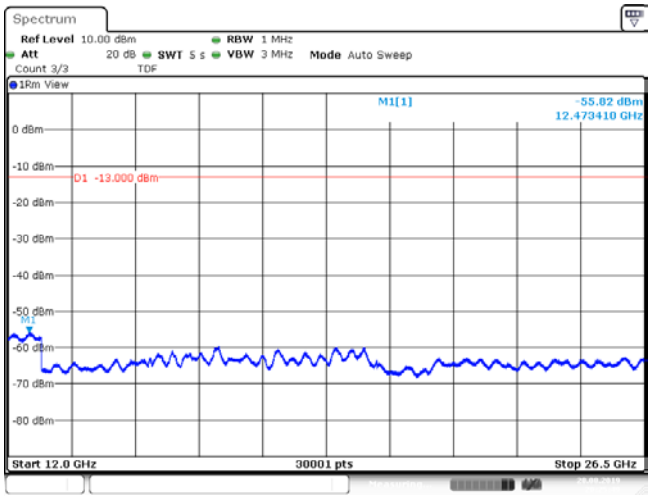

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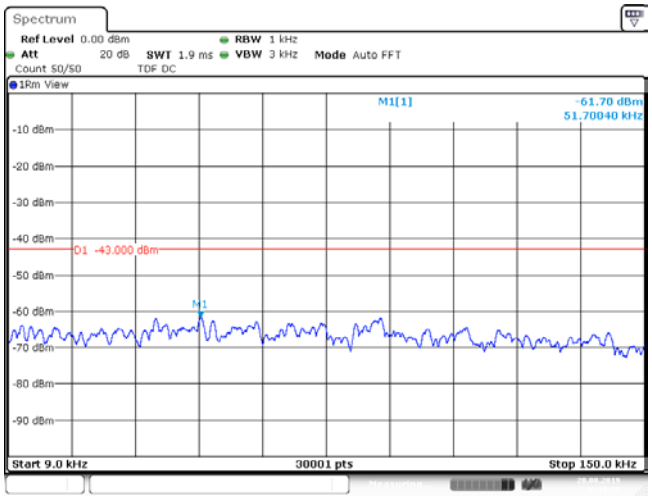

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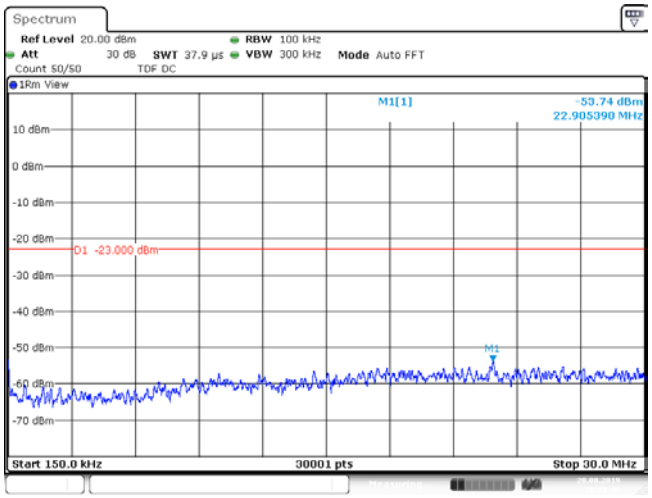

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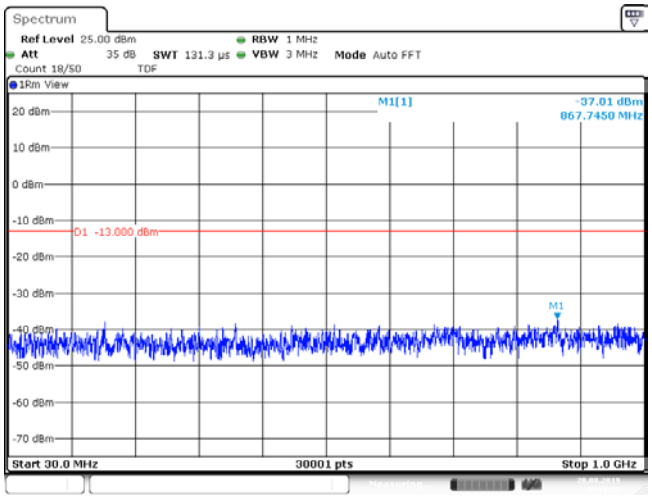

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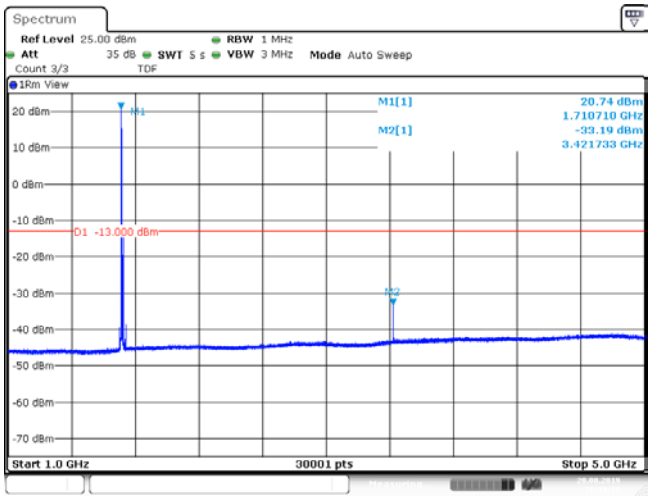

Date: 28.AUG.2019 20:19:19

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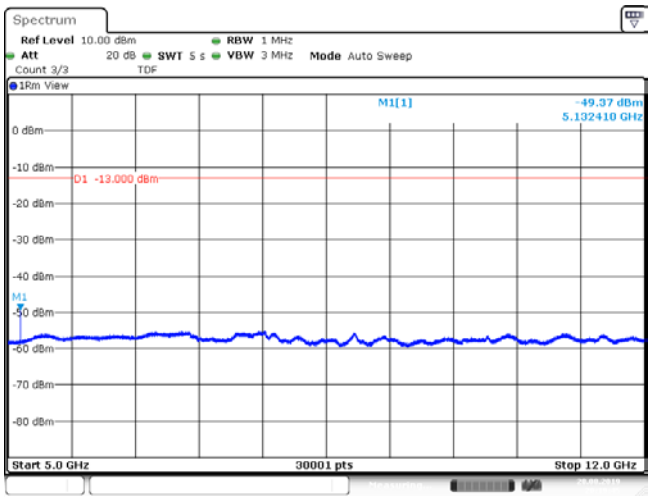

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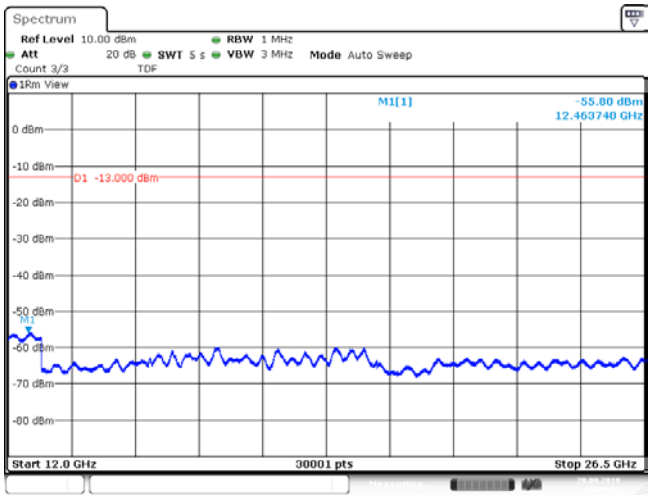

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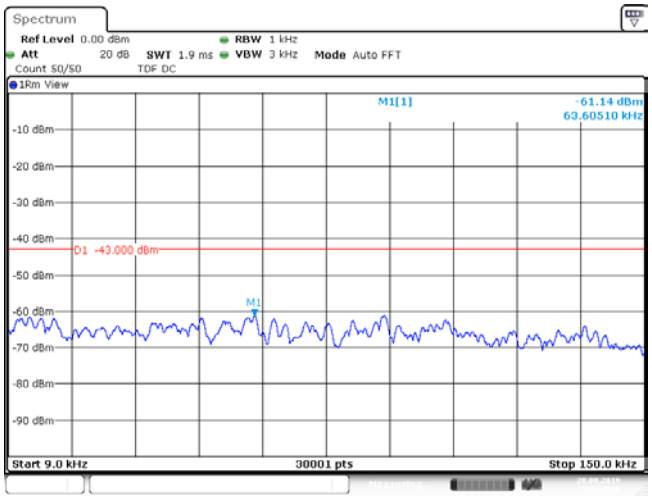
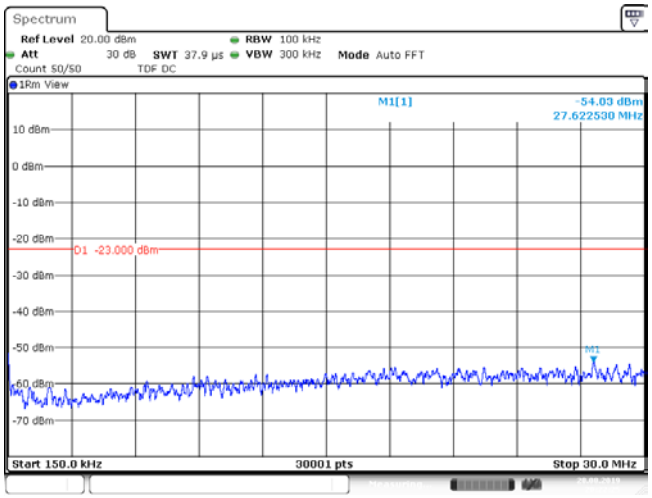


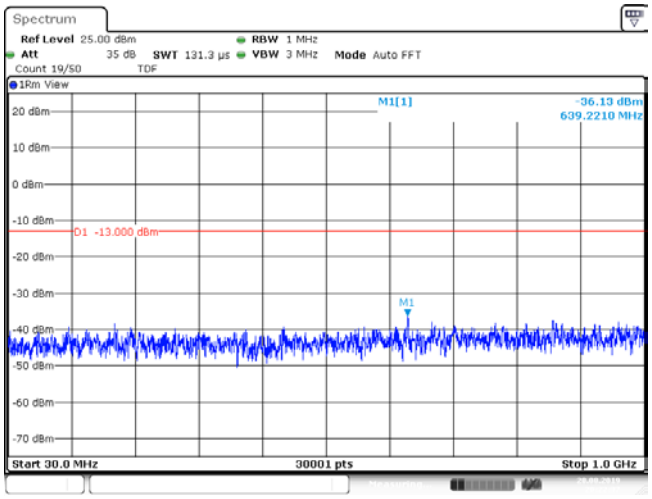
Date: 28.AUG.2019 20:22:15

Band4_15MHz_16QAM_20175_1RB#0



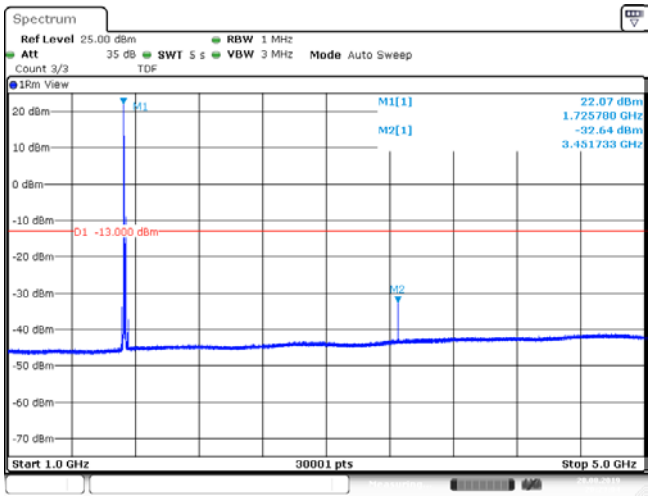
Date: 28.AUG.2019 20:22:25

Band4_15MHz_16QAM_20175_1RB#0



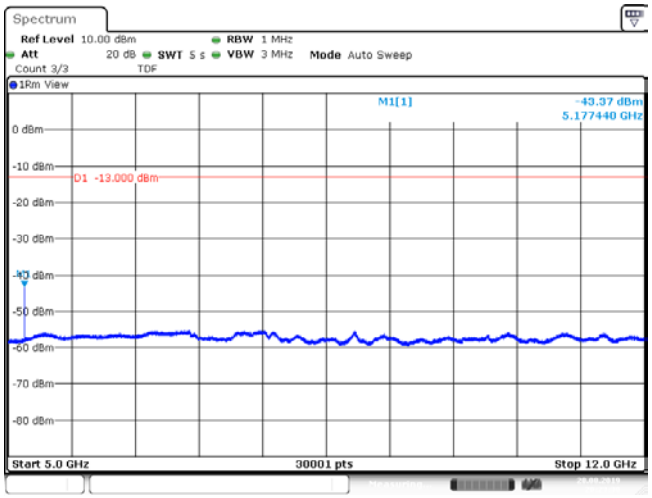
Date: 28.AUG.2019 20:22:37

Band4_15MHz_16QAM_20175_1RB#0



Date: 28.AUG.2019 20:23:04

Band4_15MHz_16QAM_20175_1RB#0



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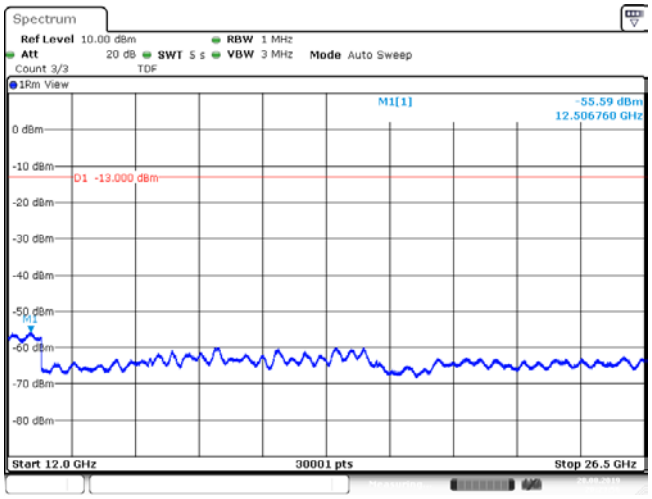
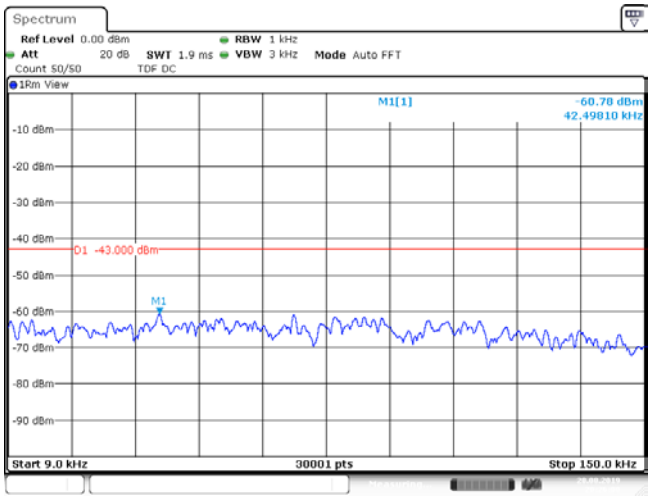
Band4_15MHz_16QAM_20175_1RB#0



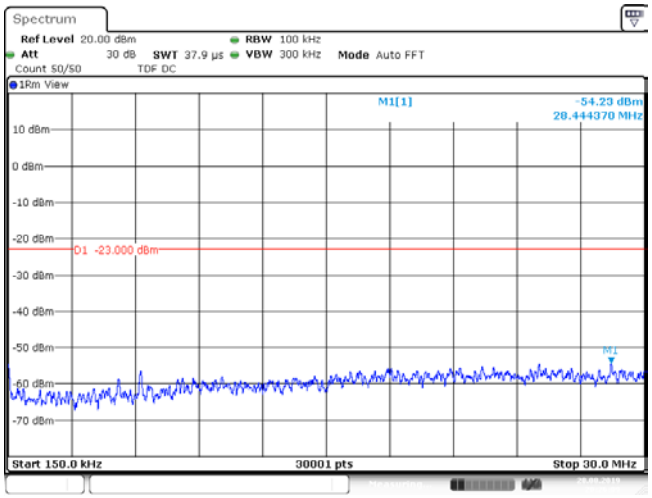
Date: 28.AUG.2019 20:23:56

Band4_15MHz_16QAM_20325_1RB#0



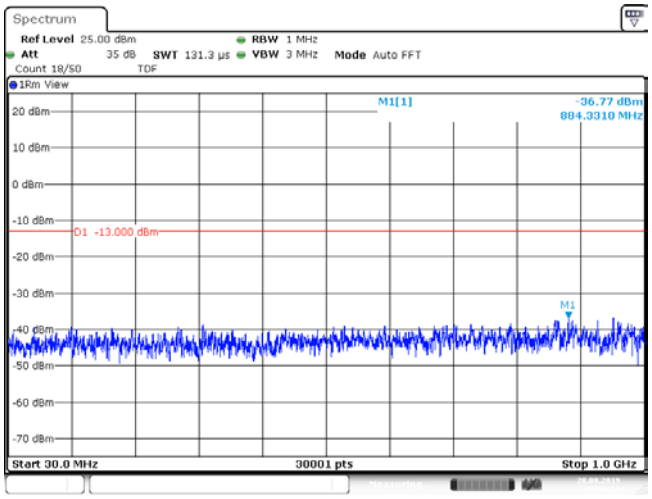
Date: 28.AUG.2019 20:26:00

Band4_15MHz_16QAM_20325_1RB#0



Date: 28.AUG.2019 20:26:09

Band4_15MHz_16QAM_20325_1RB#0



Date: 28.AUG.2019 20:26:21

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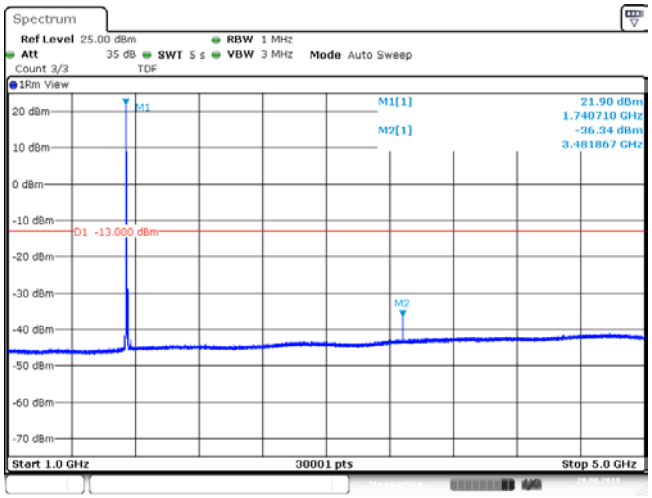

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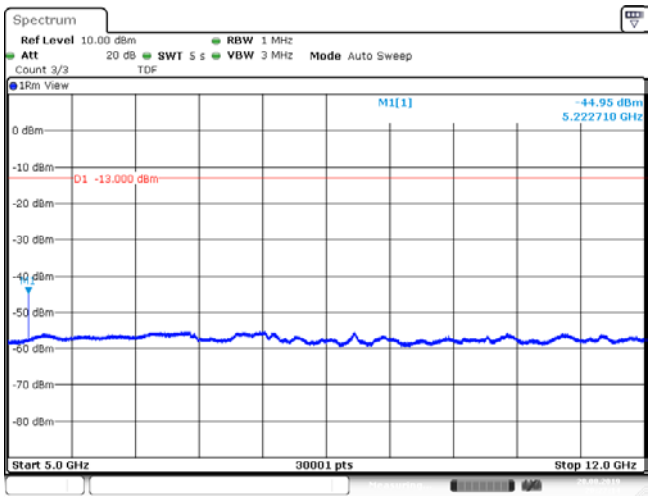
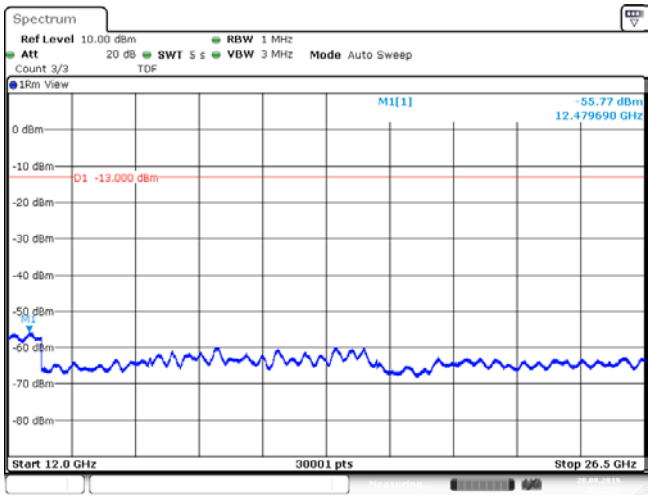
Band4_15MHz_16QAM_20325_1RB#0



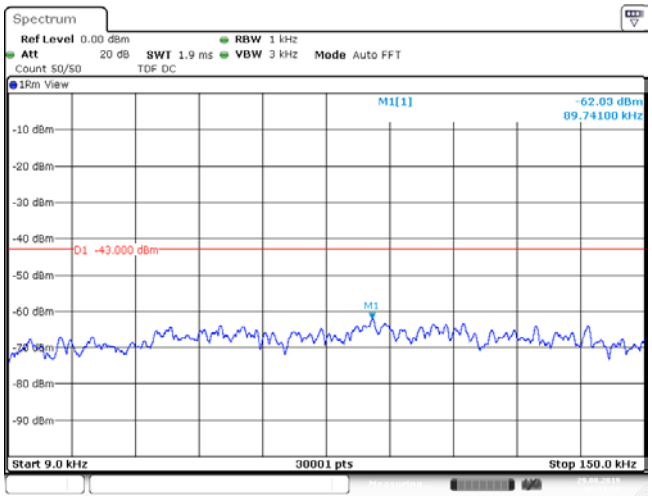
Date: 28.AUG.2019 20:27:14

Band4_15MHz_16QAM_20325_1RB#0



Date: 28.AUG.2019 20:27:40

Band4_20MHz_QPSK_20050_1RB#0



Date: 29.AUG.2019 09:11:58

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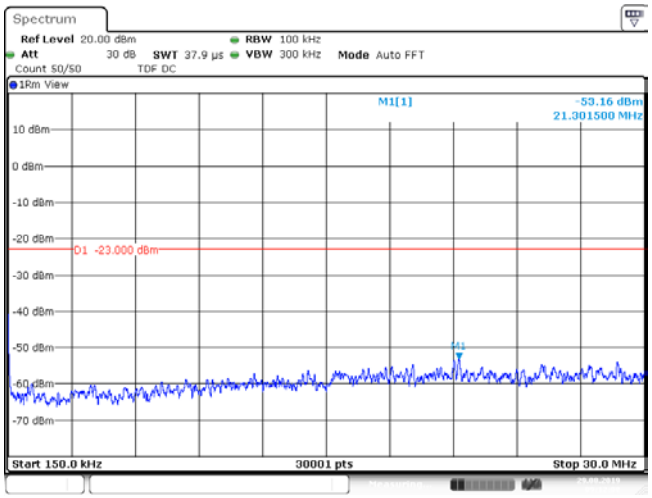
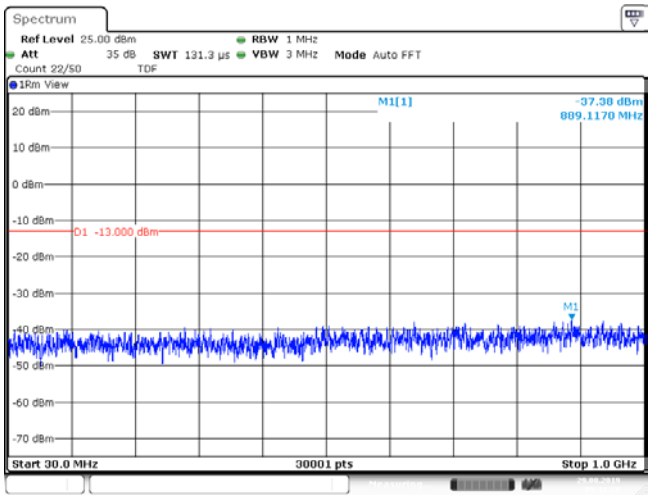


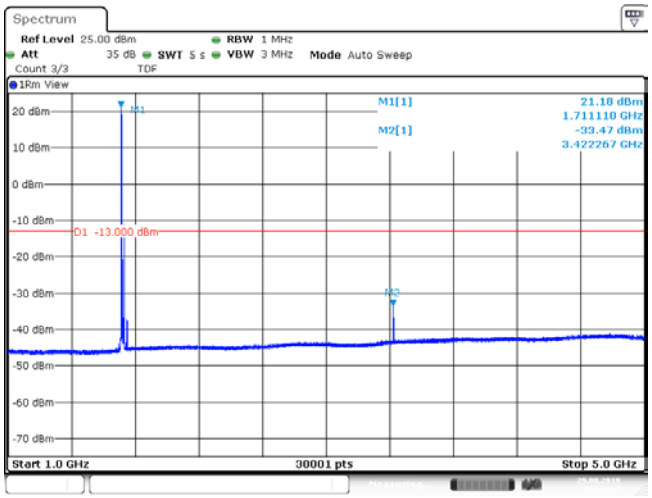
Date: 29.AUG.2019 09:12:08

Band4_20MHz_QPSK_20050_1RB#0



Date: 29.AUG.2019 09:12:19

Band4_20MHz_QPSK_20050_1RB#0



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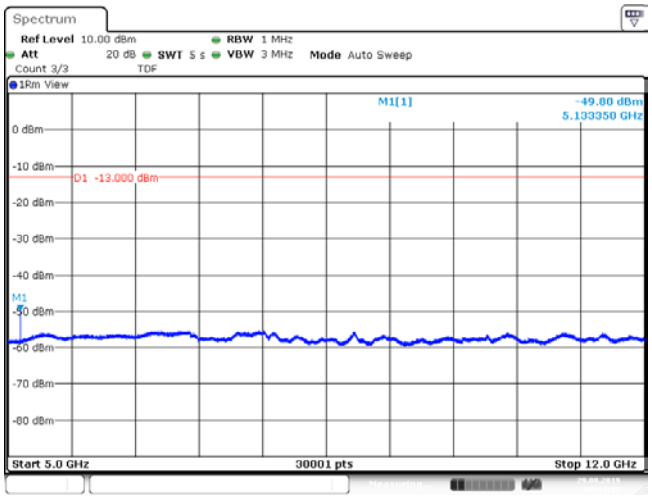

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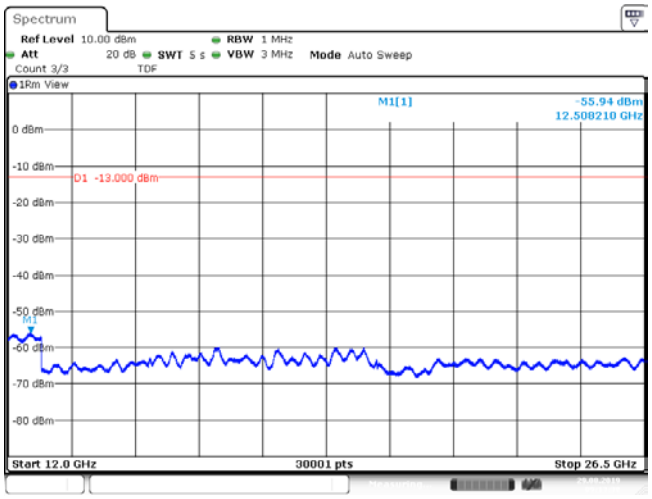

Date: 29.AUG.2019 09:13:38

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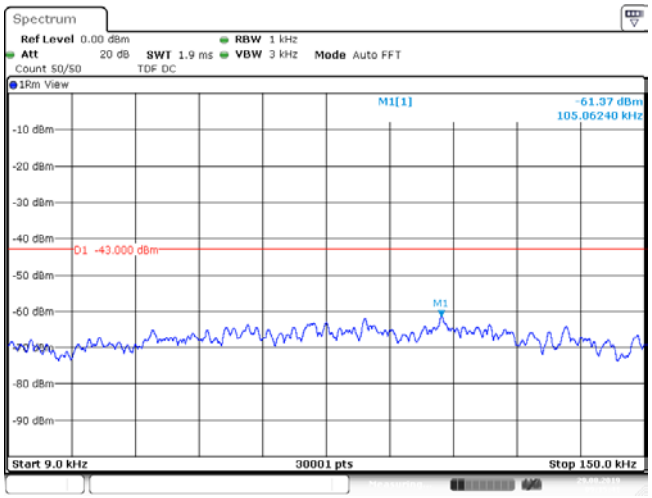

Date: 29.AUG.2019 09:15:42

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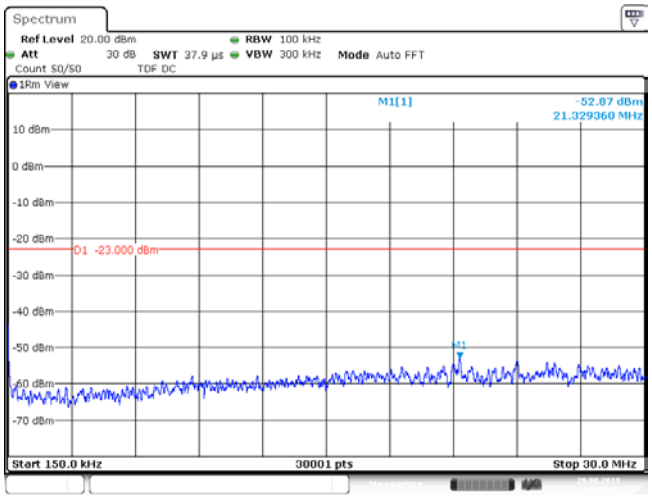
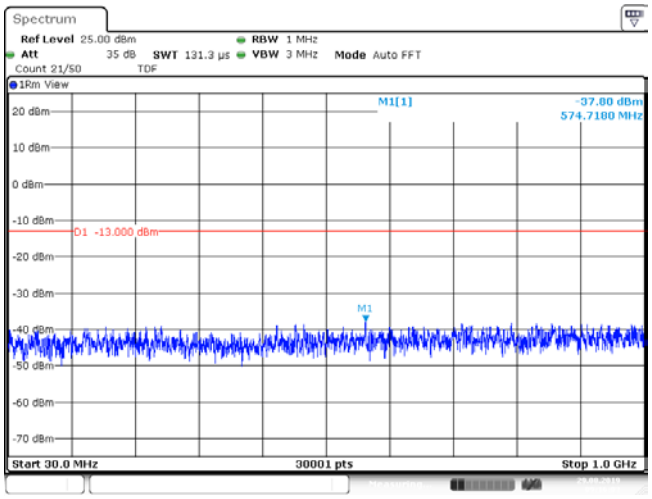


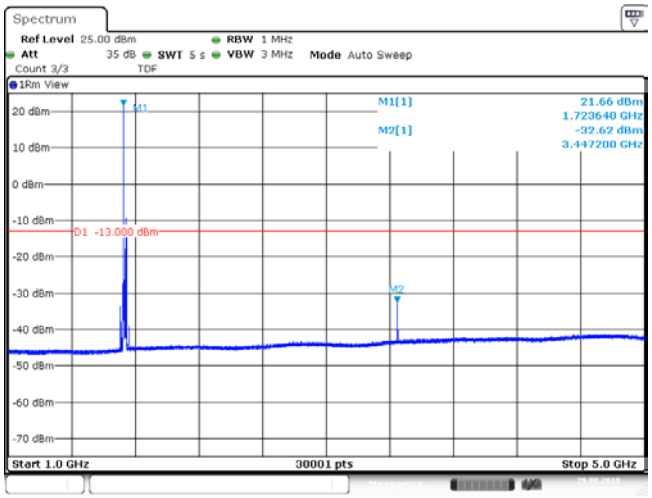
Date: 29.AUG.2019 09:15:51

Band4_20MHz_QPSK_20175_1RB#0



Date: 29.AUG.2019 09:16:02

Band4_20MHz_QPSK_20175_1RB#0



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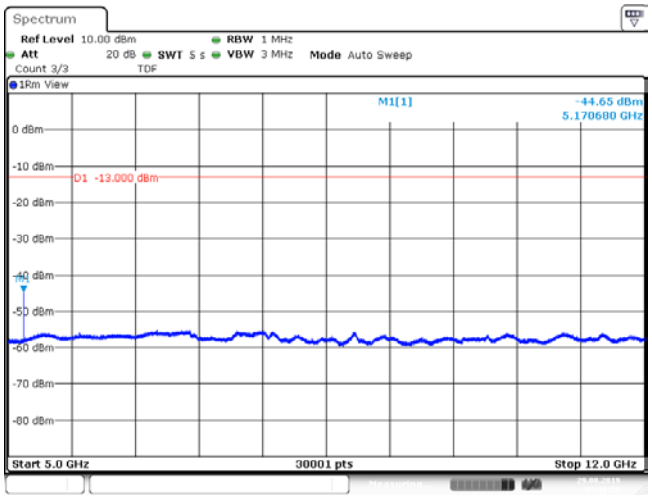
Band4_20MHz_QPSK_20175_1RB#0



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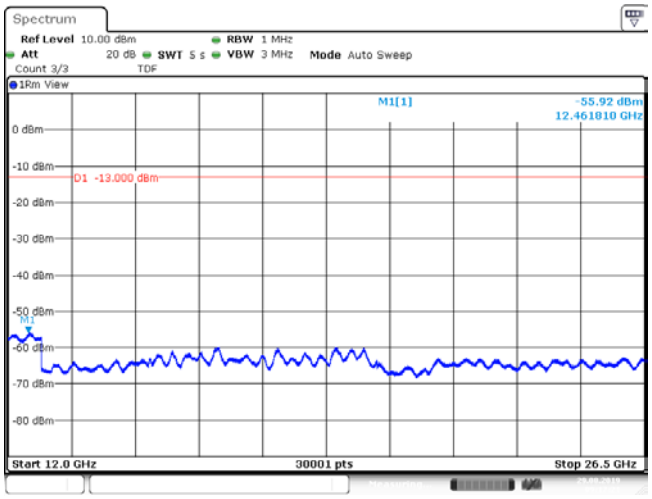
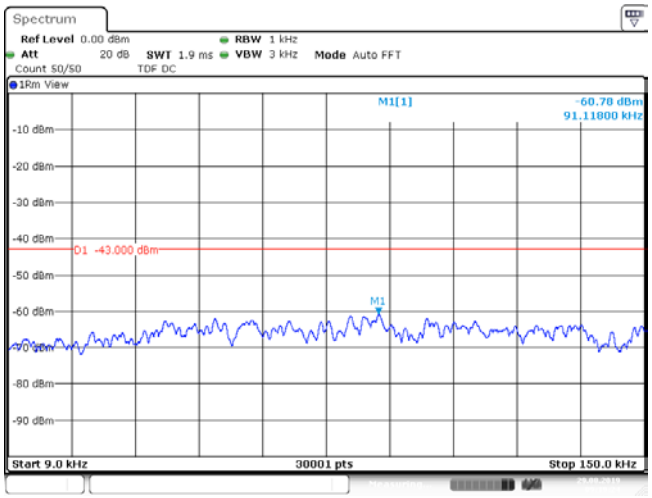


Date: 29.AUG.2019 09:17:21

Band4_20MHz_QPSK_20300_1RB#0



Date: 29.AUG.2019 09:19:25

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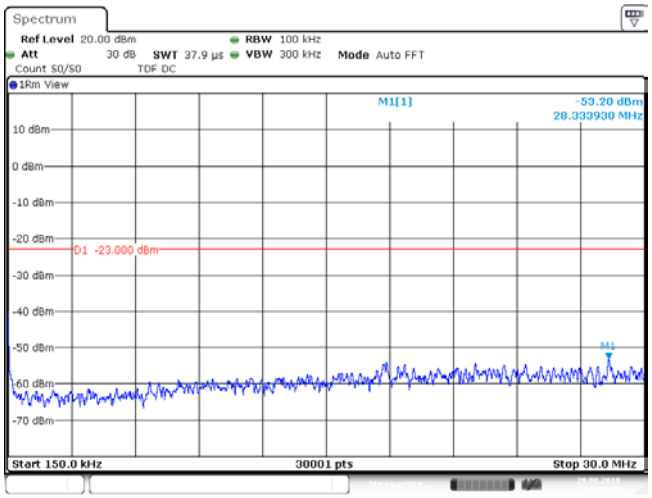

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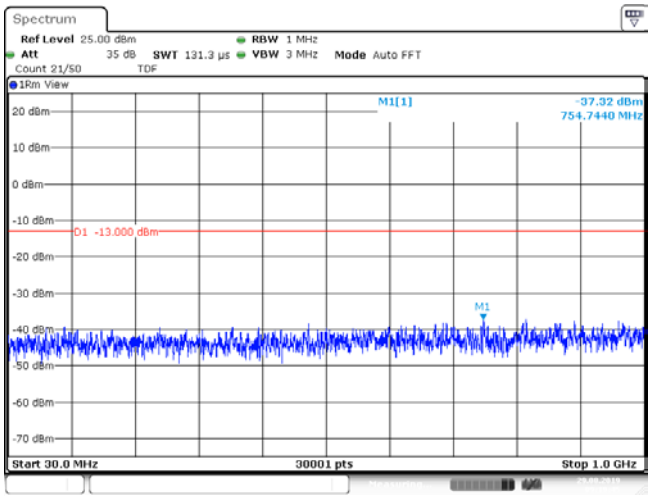
Band4_20MHz_QPSK_20300_1RB#0



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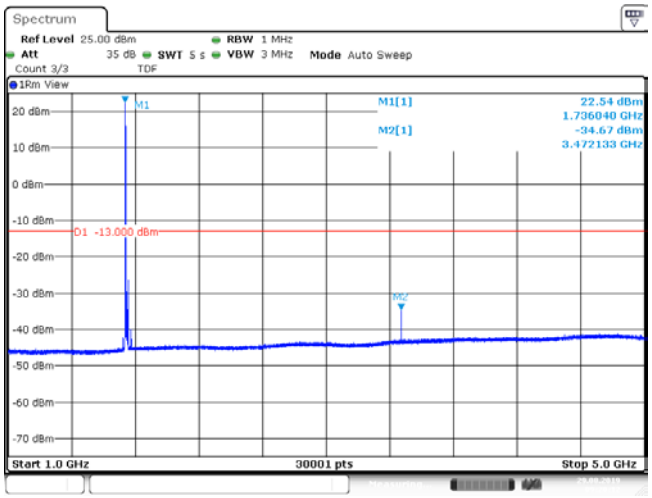
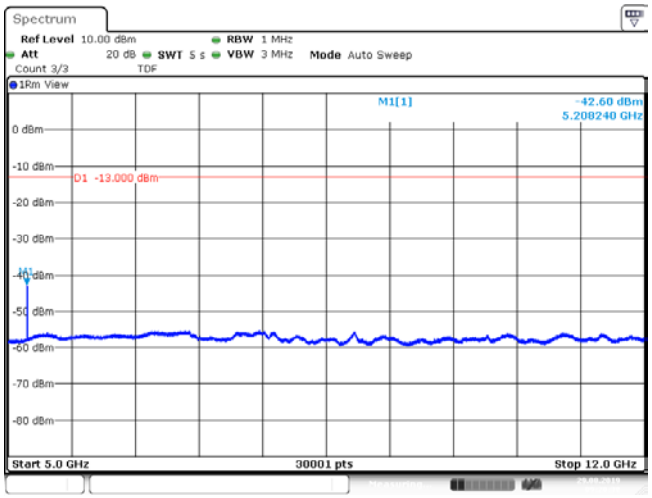


Date: 29.AUG.2019 09:20:12

Band4_20MHz_QPSK_20300_1RB#0



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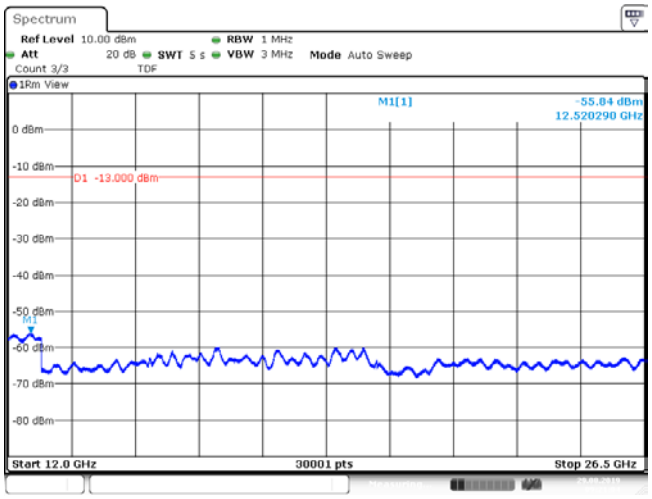
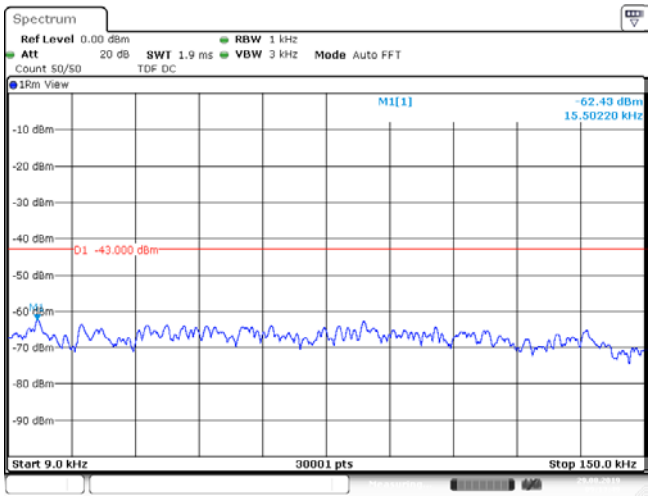
Band4_20MHz_QPSK_20300_1RB#0



Date: 29.AUG.2019 09:21:04

Band4_20MHz_16QAM_20050_1RB#0



Date: 29.AUG.2019 09:13:49

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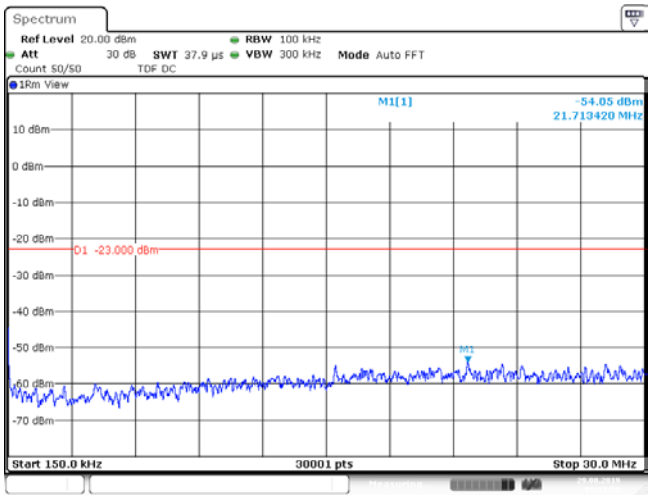
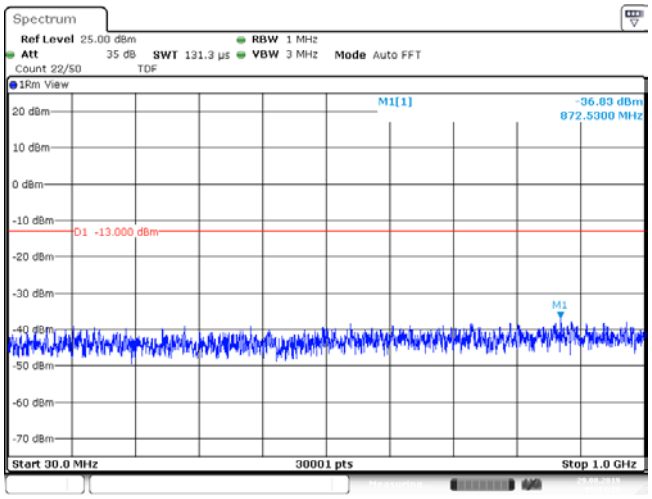


Date: 29.AUG.2019 09:13:58

Band4_20MHz_16QAM_20050_1RB#0



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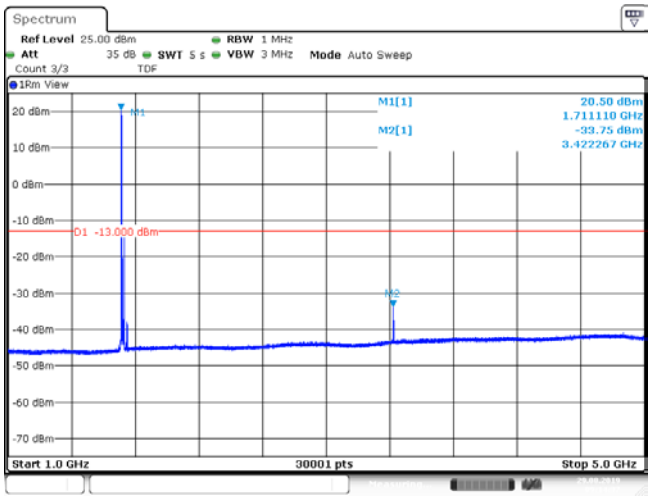
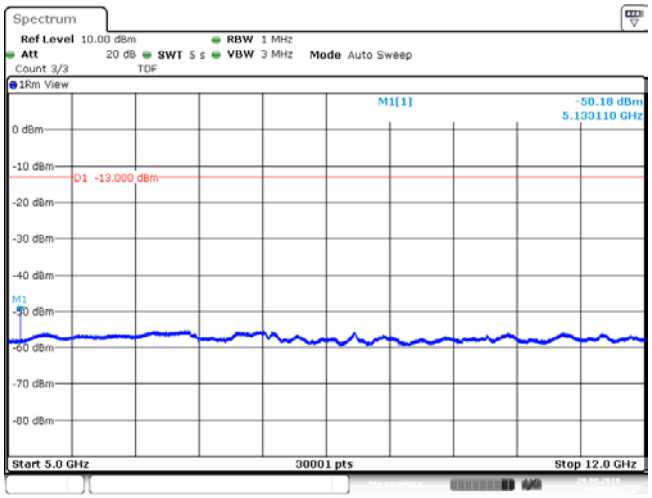
Band4_20MHz_16QAM_20050_1RB#0



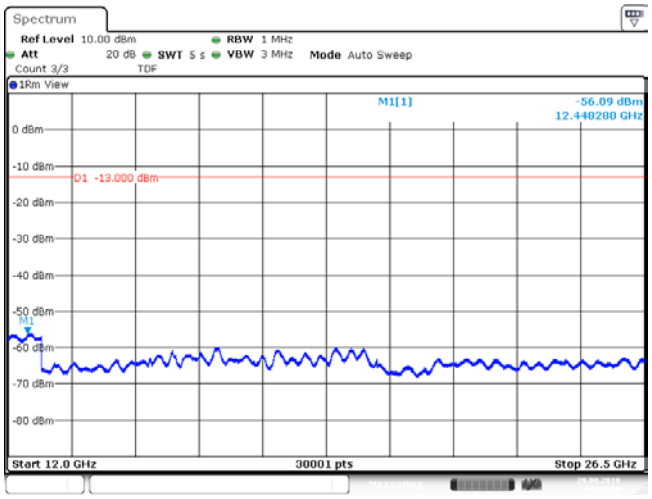
Date: 29.AUG.2019 09:14:37

Band4_20MHz_16QAM_20050_1RB#0



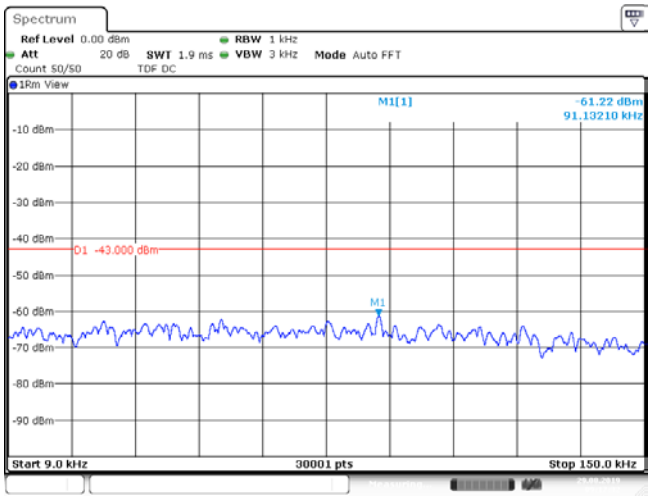
Date: 29.AUG.2019 09:15:03

Band4_20MHz_16QAM_20050_1RB#0



Date: 29.AUG.2019 09:15:29

Band4_20MHz_16QAM_20175_1RB#0



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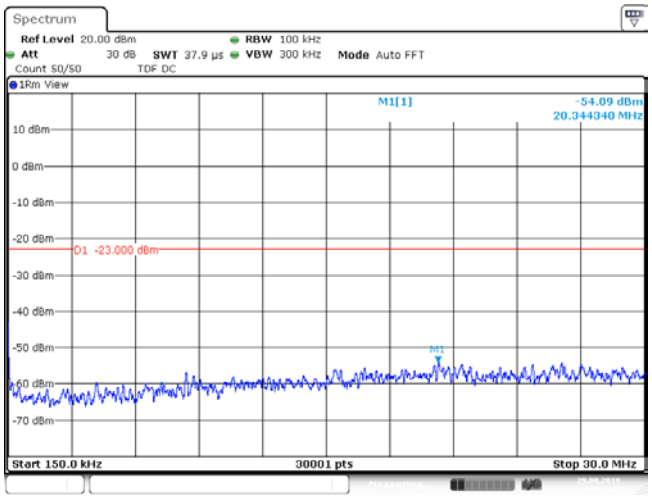
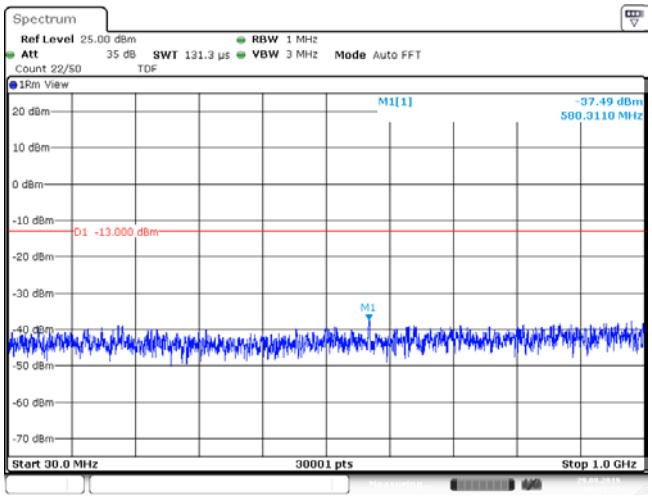
Band4_20MHz_16QAM_20175_1RB#0



Date: 29.AUG.2019 09:17:41

Band4_20MHz_16QAM_20175_1RB#0



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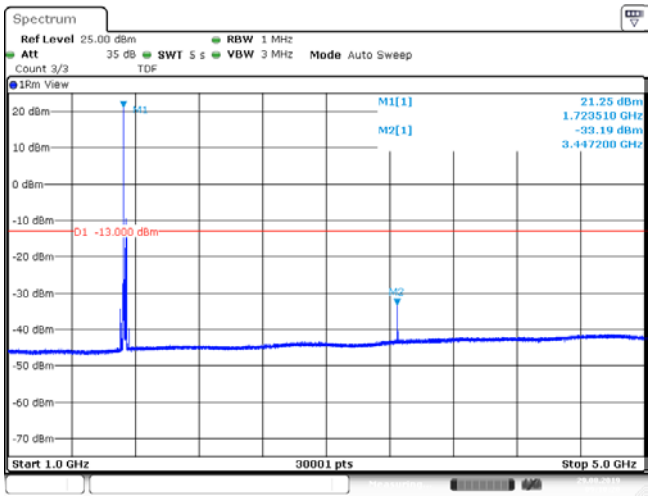
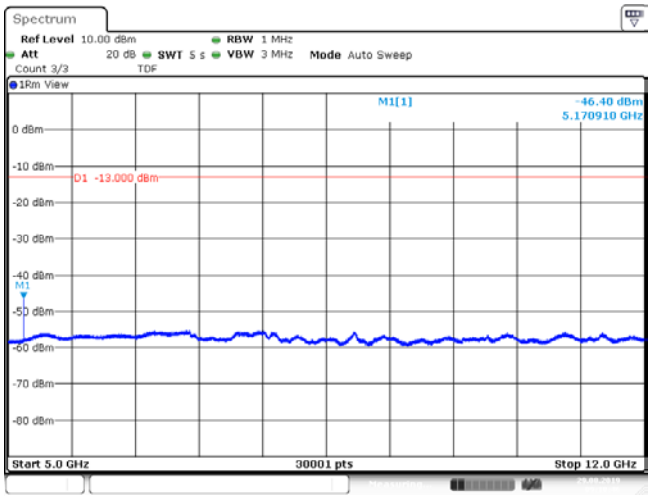
Band4_20MHz_16QAM_20175_1RB#0



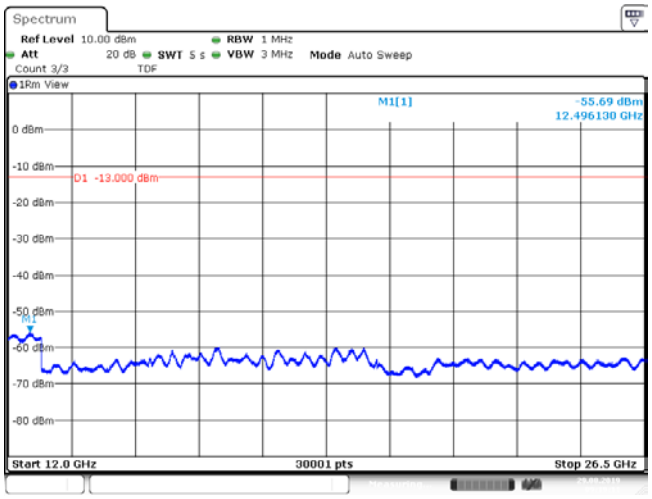
Date: 29.AUG.2019 09:18:20

Band4_20MHz_16QAM_20175_1RB#0



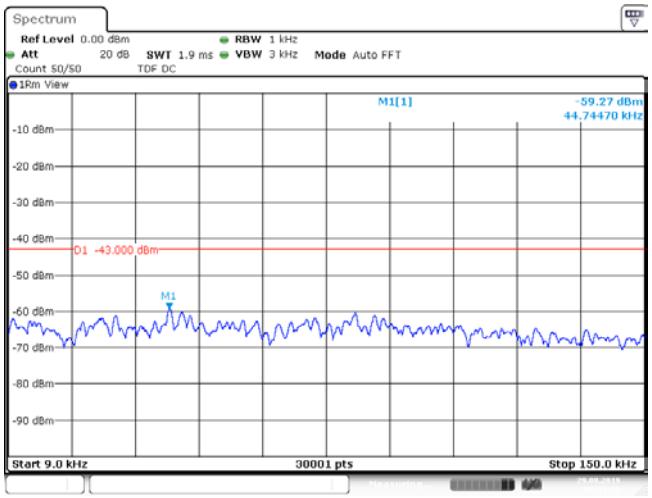
Date: 29.AUG.2019 09:18:46

Band4_20MHz_16QAM_20175_1RB#0



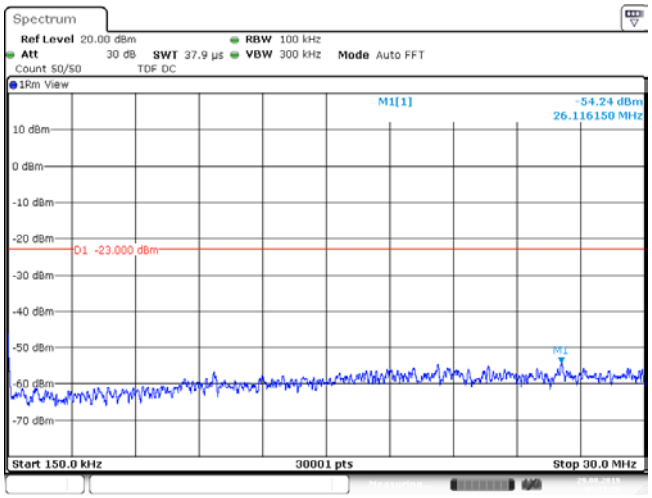
Date: 29.AUG.2019 09:19:12

Band4_20MHz_16QAM_20300_1RB#0



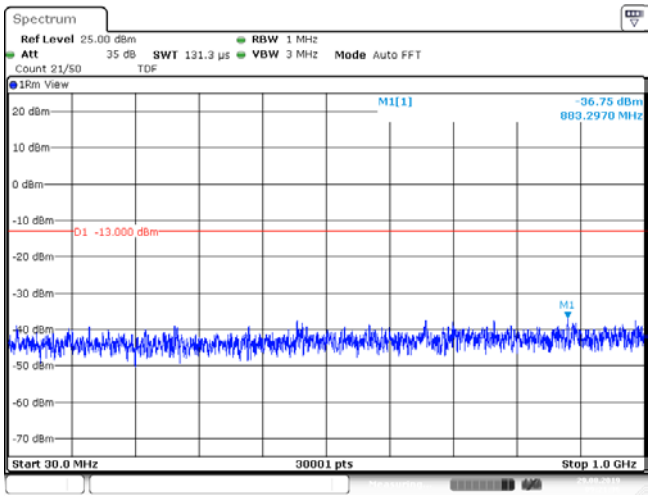
Date: 29.AUG.2019 09:21:15

Band4_20MHz_16QAM_20300_1RB#0



Date: 29.AUG.2019 09:21:24

Band4_20MHz_16QAM_20300_1RB#0



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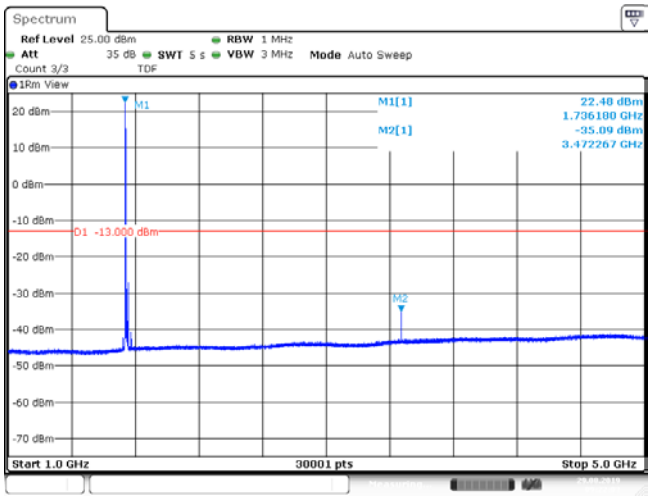
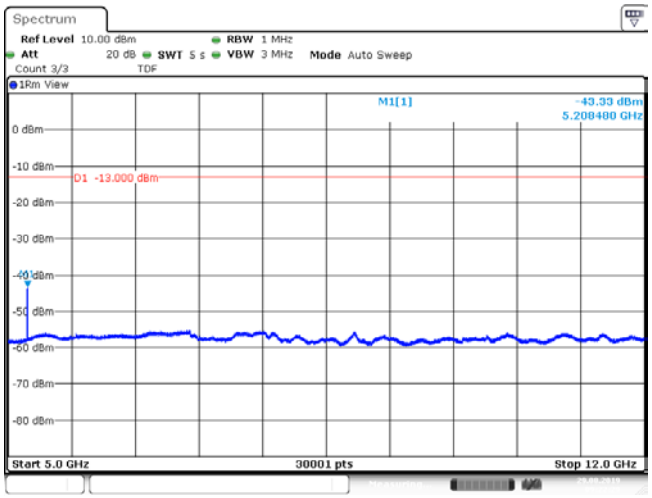


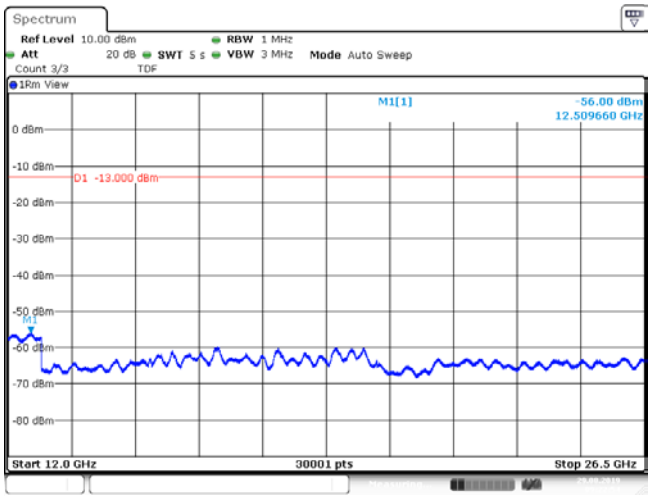
Date: 29.AUG.2019 09:22:03

Band4_20MHz_16QAM_20300_1RB#0



Date: 29.AUG.2019 09:22:29

Band4_20MHz_16QAM_20300_1RB#0



Date: 29.AUG.2019 09:22:54

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-3.56	-0.002055	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	3.59	0.002072	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-3.83	-0.002211	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	4.41	0.002545	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-5.12	-0.002955	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	4.51	0.002603	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-5.14	-0.002967	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-4.23	-0.002442	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	3.43	0.001980	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	4.51	0.002603	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	3.98	0.002297	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-4.99	-0.002880	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	4.75	0.002742	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	4.38	0.002528	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	3.46	0.001997	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	4.25	0.002453	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	4.33	0.002499	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	5.36	0.003094	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-6.67	-0.003850	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-5.02	-0.002898	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-6.69	-0.003861	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-6.57	-0.003792	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-4.84	-0.002794	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-5.14	-0.002967	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-4.81	-0.002776	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	4.56	0.002632	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-6.35	-0.003665	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-4.28	-0.002470	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	3.91	0.002257	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-3.78	-0.002182	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	3.35	0.001934	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-4.46	-0.002574	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-3.86	-0.002228	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	3.69	0.002130	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-3.93	-0.002268	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	4.33	0.002499	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	3.15	0.001818	±2.5	PASS

Band4	10MHz	QPSK	20175	50RB#0	NV	20	3.88	0.002240	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	5.24	0.003025	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	4.48	0.002586	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-5.62	-0.003244	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-6.22	-0.003590	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-4.31	-0.002488	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	5.35	0.003088	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.75	0.002742	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	4.12	0.002378	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-4.68	-0.002701	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	4.94	0.002851	±2.5	PASS