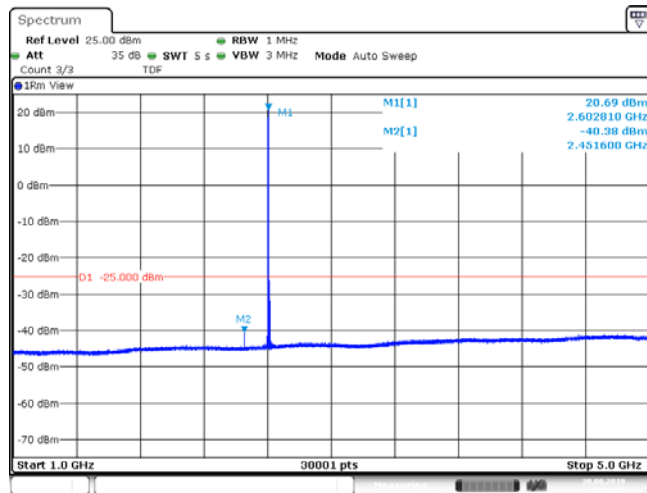
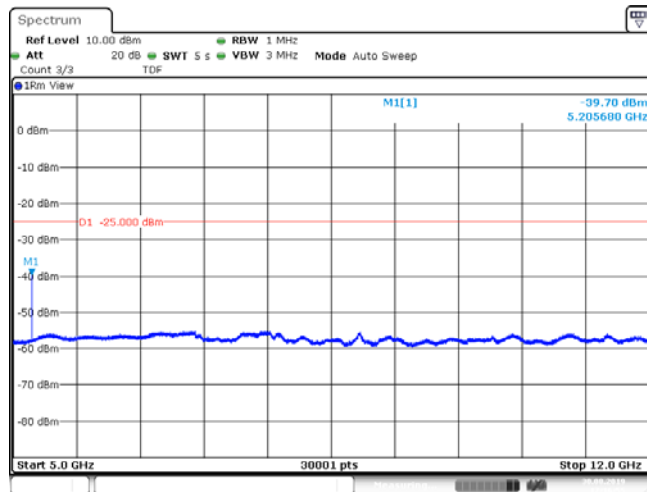




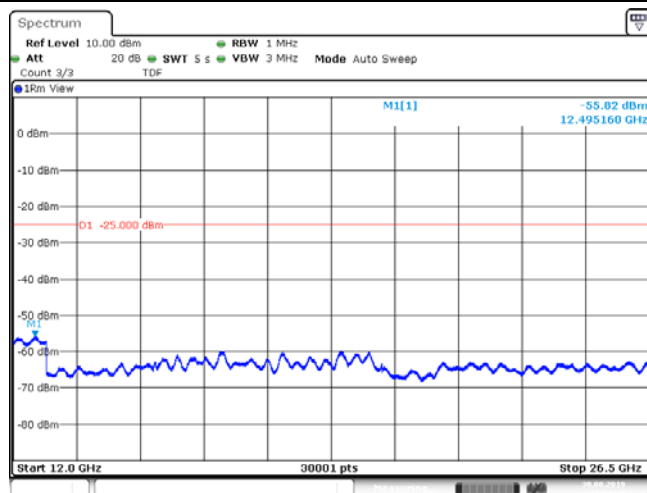
Date: 30.AUG.2019 17:16:29

Band41_5MHz_16QAM_40740_1RB#0



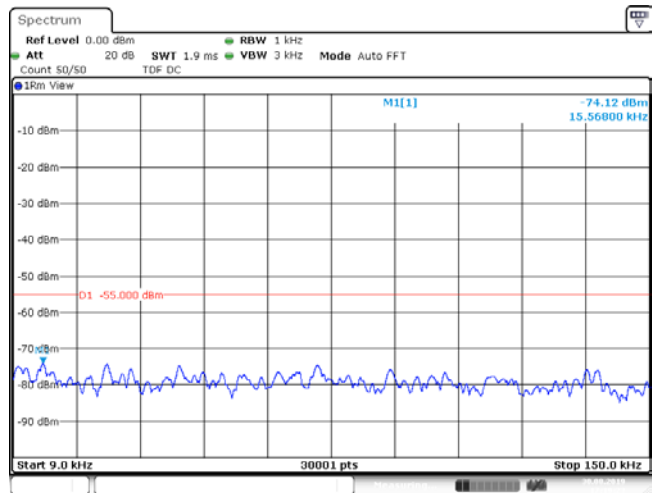
Date: 30.AUG.2019 17:16:55

Band41_5MHz_16QAM_40740_1RB#0



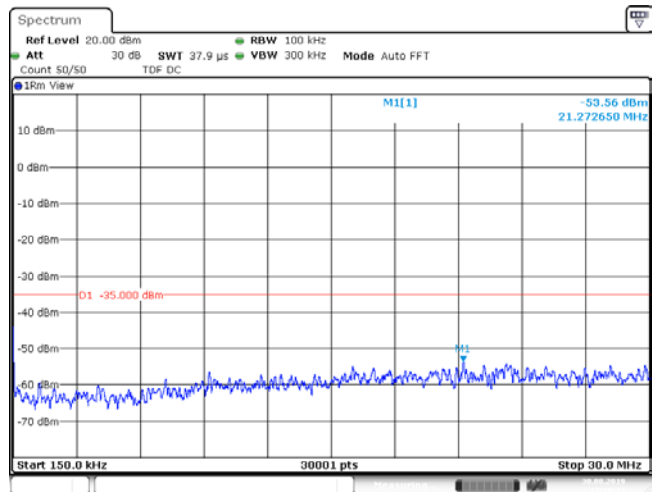
Date: 30.AUG.2019 17:17:20

Band41_5MHz_16QAM_41215_1RB#0



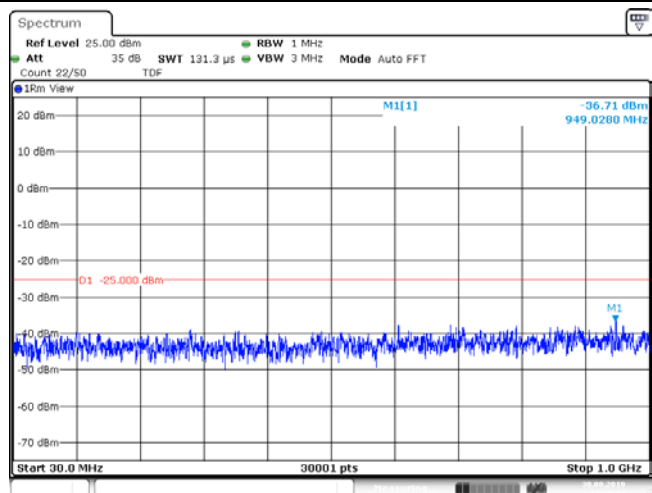
Date: 30.AUG.2019 17:19:23

Band41_5MHz_16QAM_41215_1RB#0



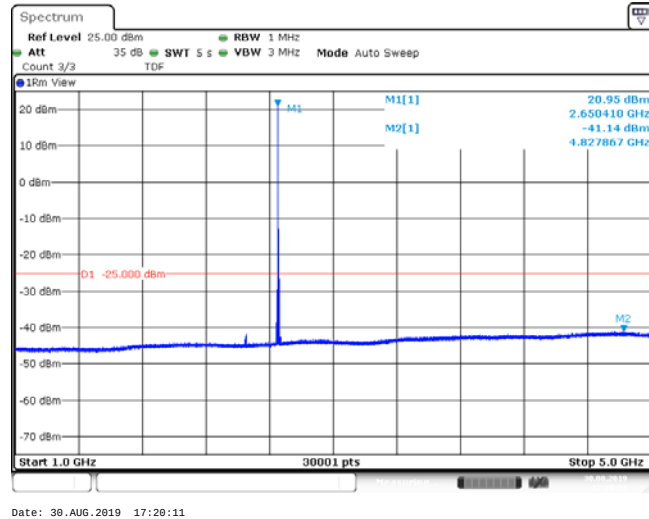
Date: 30.AUG.2019 17:19:33

Band41_5MHz_16QAM_41215_1RB#0



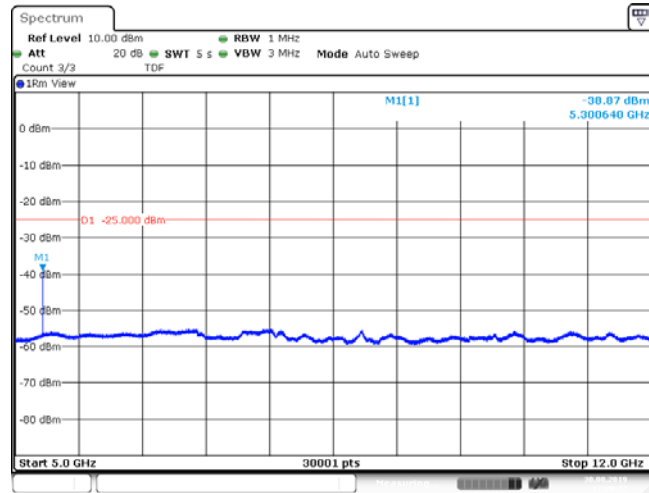
Date: 30.AUG.2019 17:19:44

Band41_5MHz_16QAM_41215_1RB#0



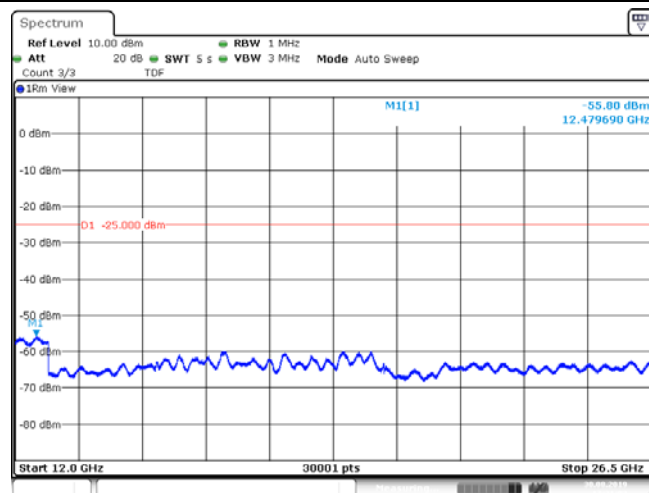
Date: 30.AUG.2019 17:20:11

Band41_5MHz_16QAM_41215_1RB#0



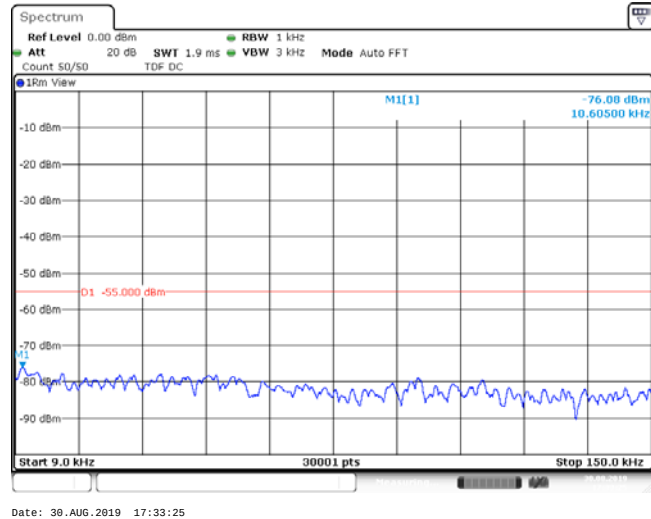
Date: 30.AUG.2019 17:20:37

Band41_5MHz_16QAM_41215_1RB#0



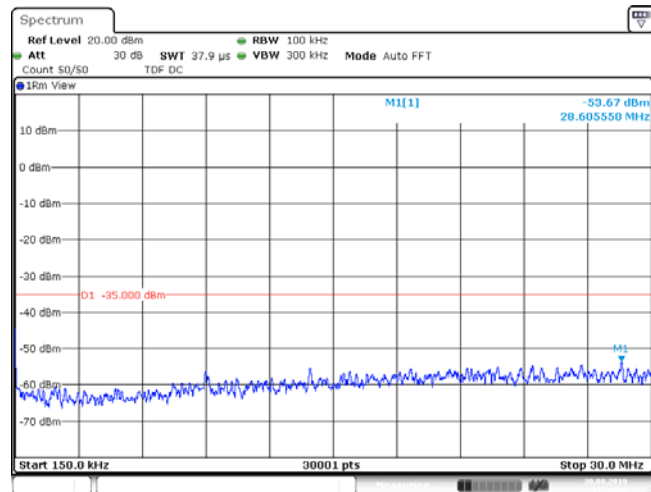
Date: 30.AUG.2019 17:21:03

Band41_10MHz_QPSK_40290_1RB#0



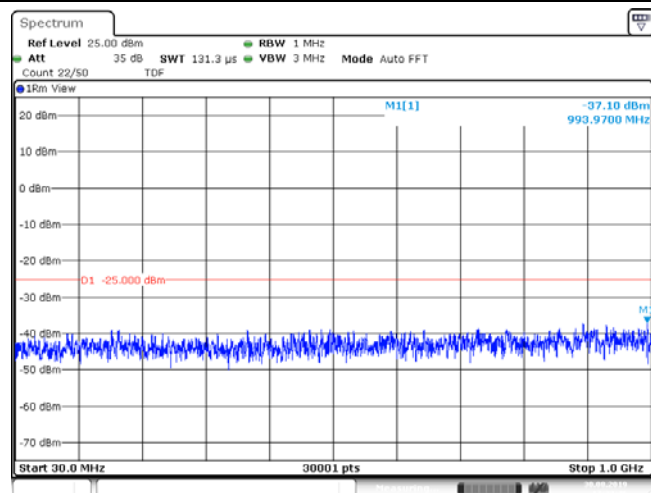
Date: 30.AUG.2019 17:33:25

Band41_10MHz_QPSK_40290_1RB#0



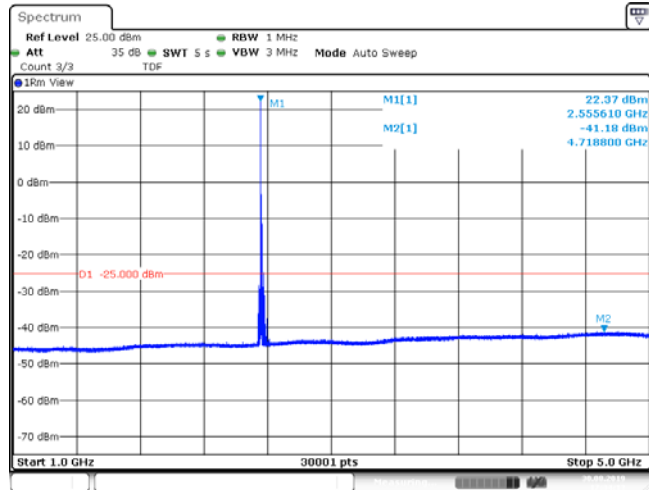
Date: 30.AUG.2019 17:33:35

Band41_10MHz_QPSK_40290_1RB#0



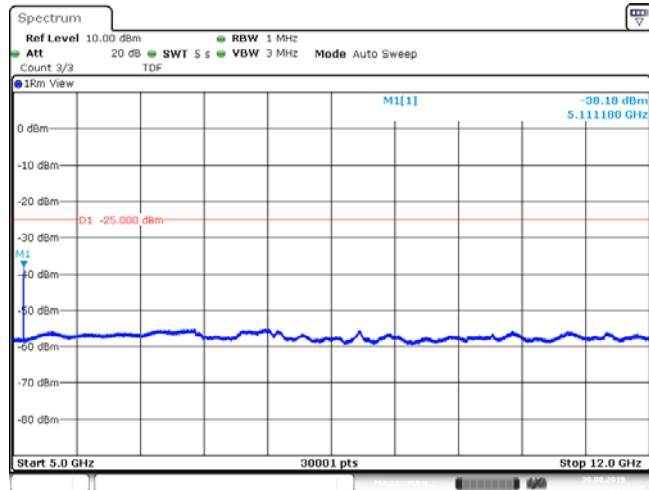
Date: 30.AUG.2019 17:33:46

Band41_10MHz_QPSK_40290_1RB#0



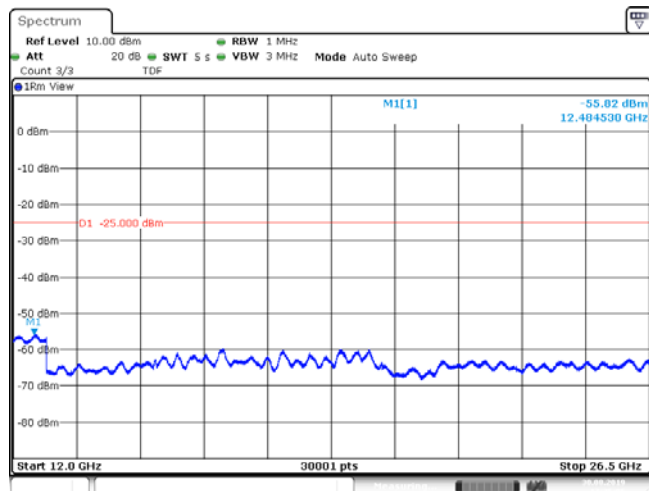
Date: 30.AUG.2019 17:34:13

Band41_10MHz_QPSK_40290_1RB#0



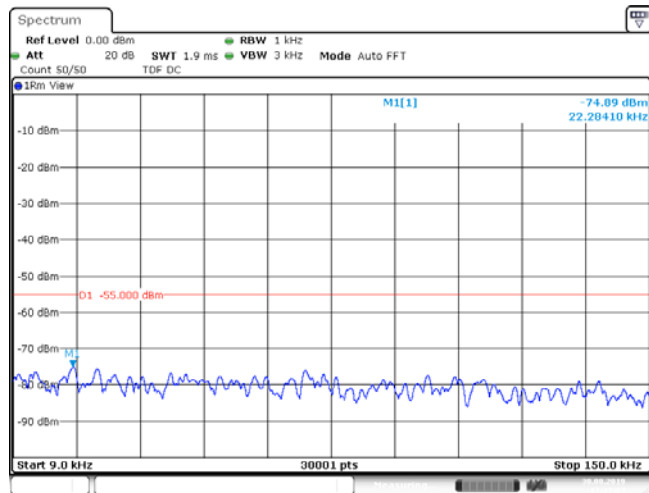
Date: 30.AUG.2019 17:34:39

Band41_10MHz_QPSK_40290_1RB#0



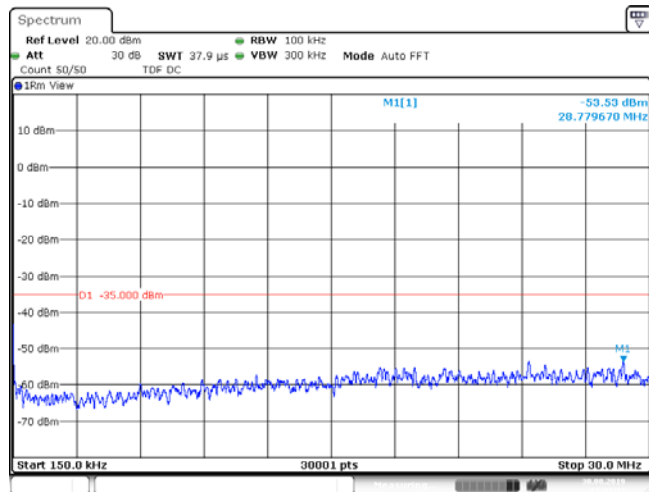
Date: 30.AUG.2019 17:35:05

Band41_10MHz_QPSK_40740_1RB#0



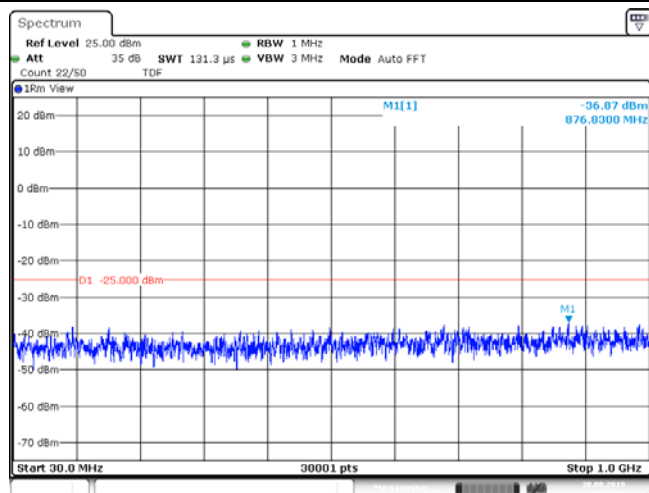
Date: 30.AUG.2019 17:37:07

Band41_10MHz_QPSK_40740_1RB#0



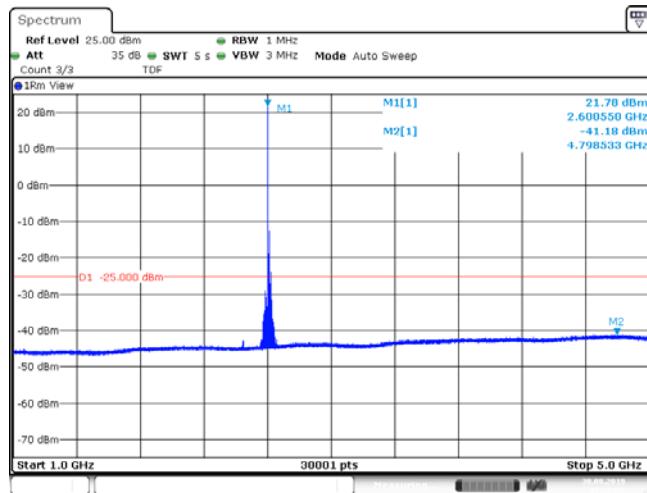
Date: 30.AUG.2019 17:37:17

Band41_10MHz_QPSK_40740_1RB#0



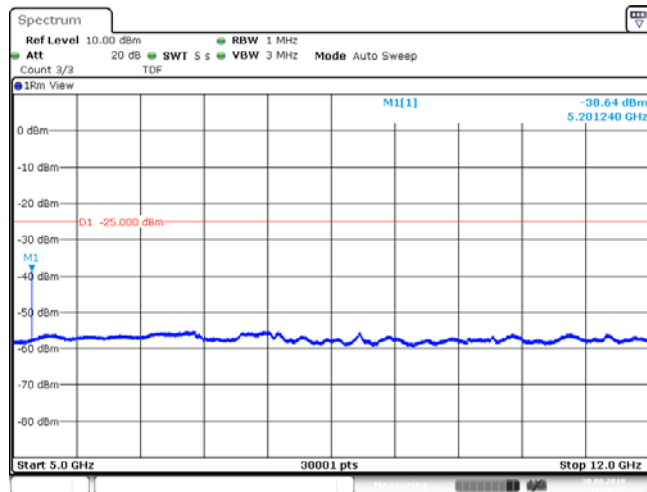
Date: 30.AUG.2019 17:37:28

Band41_10MHz_QPSK_40740_1RB#0



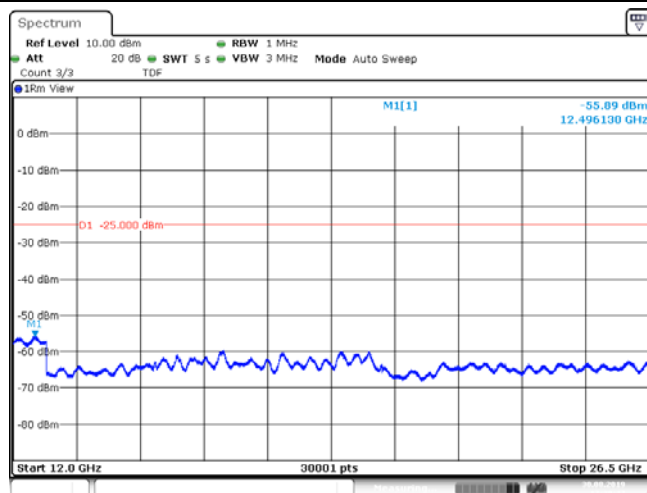
Date: 30.AUG.2019 17:37:55

Band41_10MHz_QPSK_40740_1RB#0



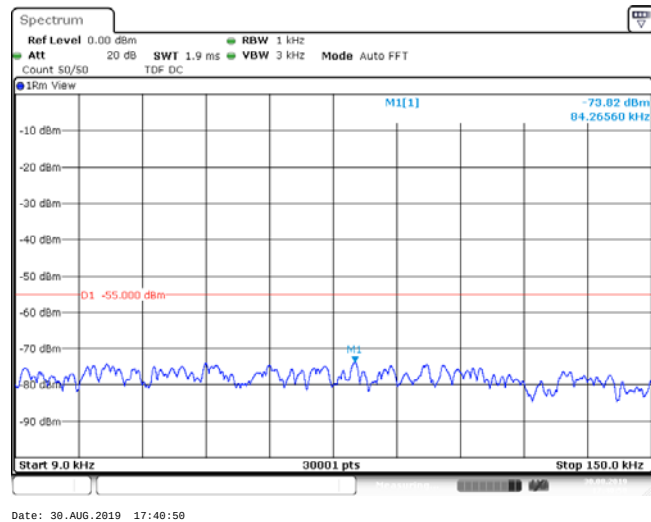
Date: 30.AUG.2019 17:38:21

Band41_10MHz_QPSK_40740_1RB#0



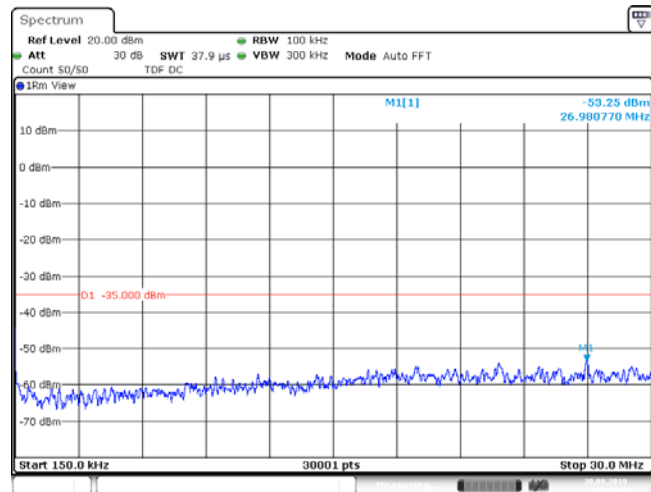
Date: 30.AUG.2019 17:38:47

Band41_10MHz_QPSK_41190_1RB#0



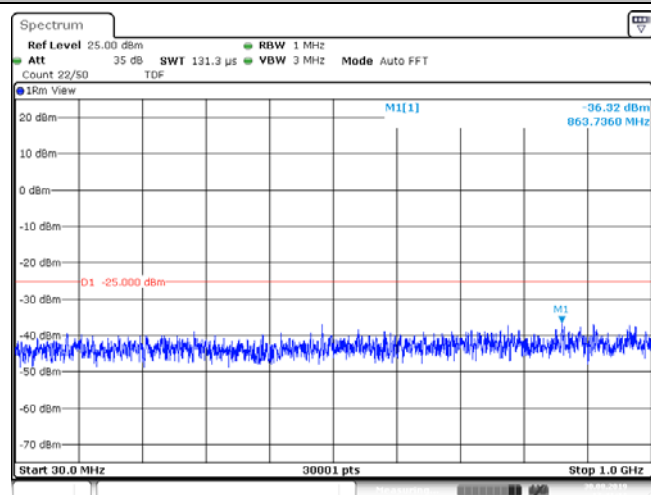
Date: 30.AUG.2019 17:40:50

Band41_10MHz_QPSK_41190_1RB#0



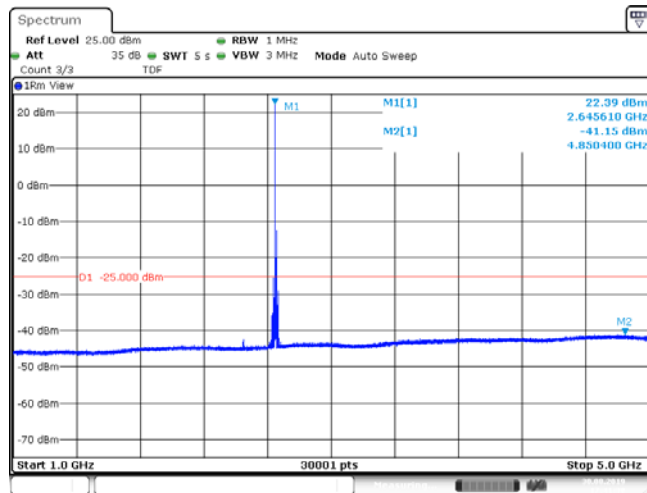
Date: 30.AUG.2019 17:40:59

Band41_10MHz_QPSK_41190_1RB#0



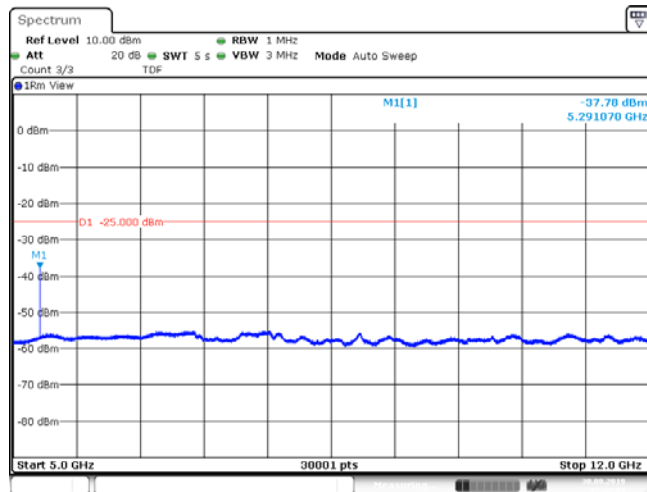
Date: 30.AUG.2019 17:41:11

Band41_10MHz_QPSK_41190_1RB#0



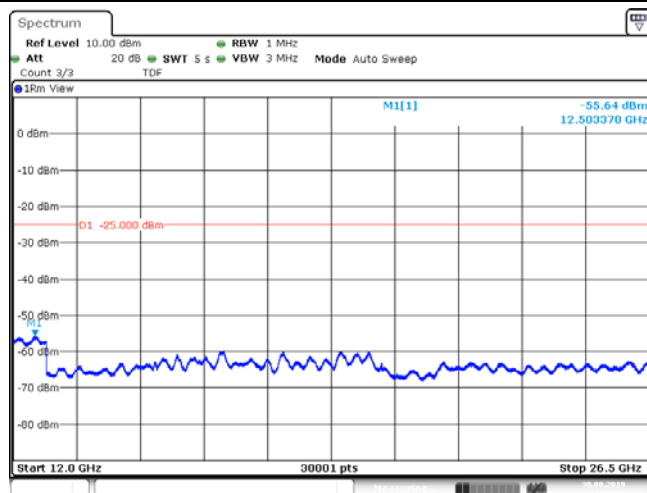
Date: 30.AUG.2019 17:41:38

Band41_10MHz_QPSK_41190_1RB#0



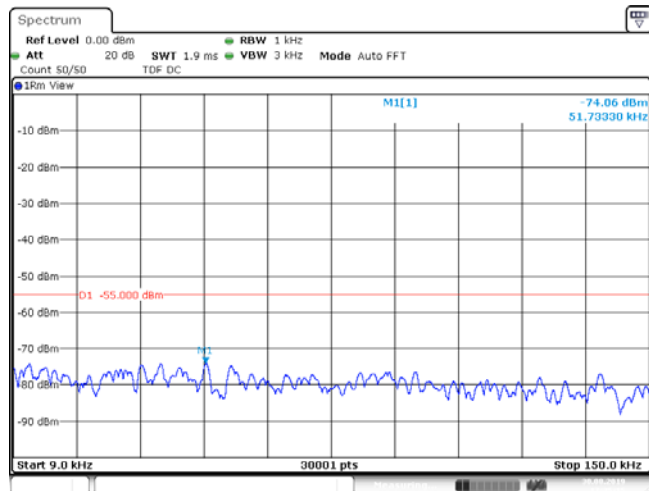
Date: 30.AUG.2019 17:42:04

Band41_10MHz_QPSK_41190_1RB#0



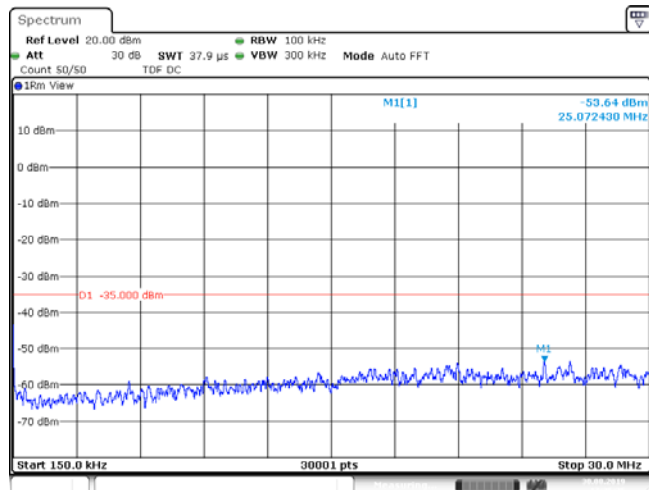
Date: 30.AUG.2019 17:42:29

Band41_10MHz_16QAM_40290_1RB#0



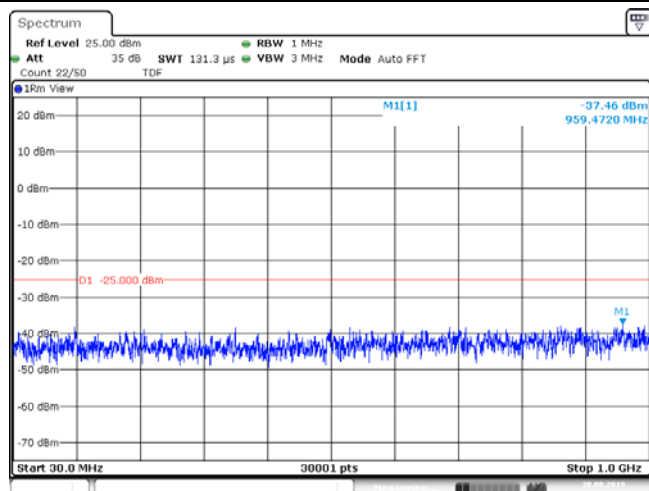
Date: 30.AUG.2019 17:35:15

Band41_10MHz_16QAM_40290_1RB#0



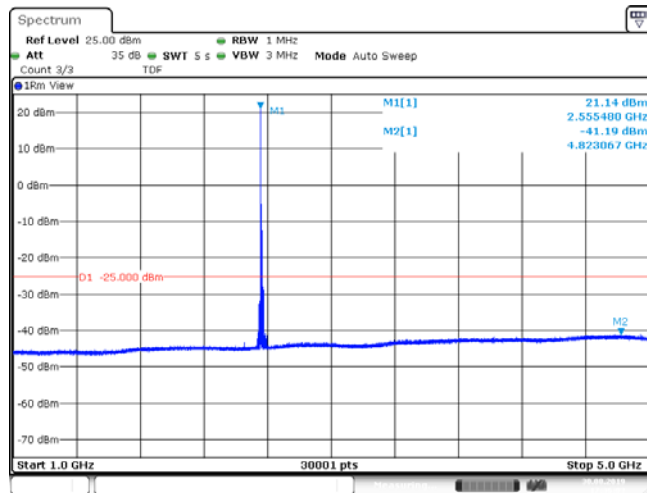
Date: 30.AUG.2019 17:35:24

Band41_10MHz_16QAM_40290_1RB#0



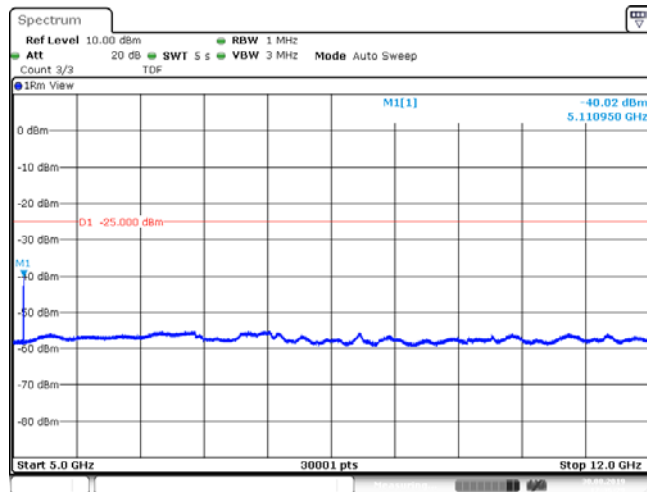
Date: 30.AUG.2019 17:35:36

Band41_10MHz_16QAM_40290_1RB#0



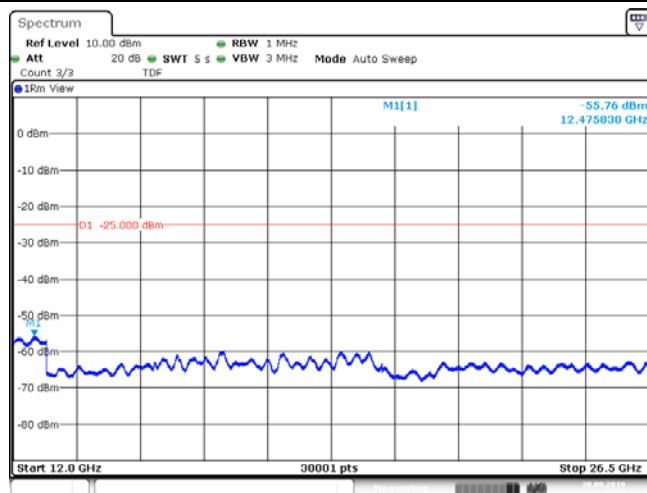
Date: 30.AUG.2019 17:36:03

Band41_10MHz_16QAM_40290_1RB#0



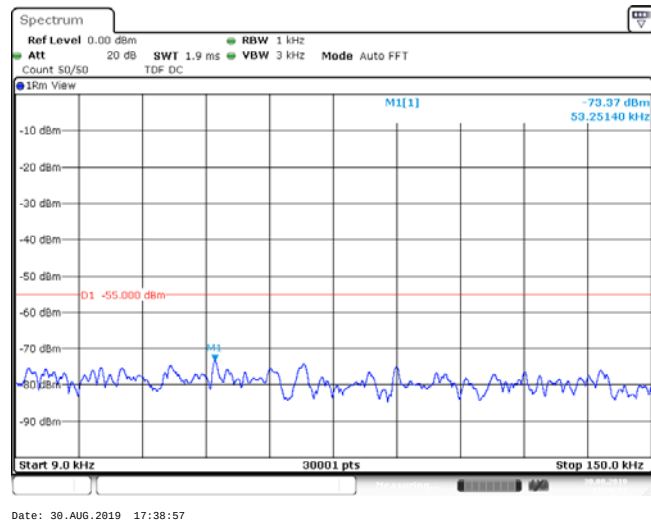
Date: 30.AUG.2019 17:36:28

Band41_10MHz_16QAM_40290_1RB#0



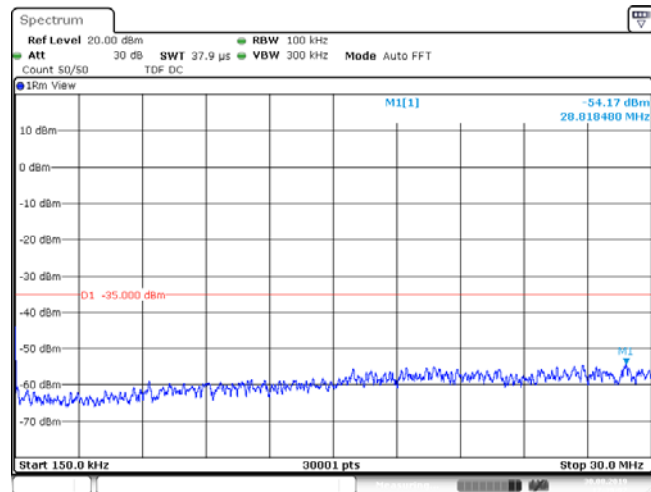
Date: 30.AUG.2019 17:36:54

Band41_10MHz_16QAM_40740_1RB#0



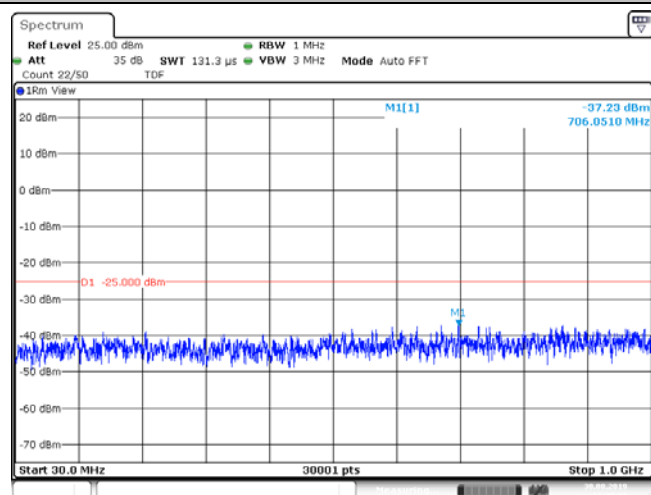
Date: 30.AUG.2019 17:38:57

Band41_10MHz_16QAM_40740_1RB#0



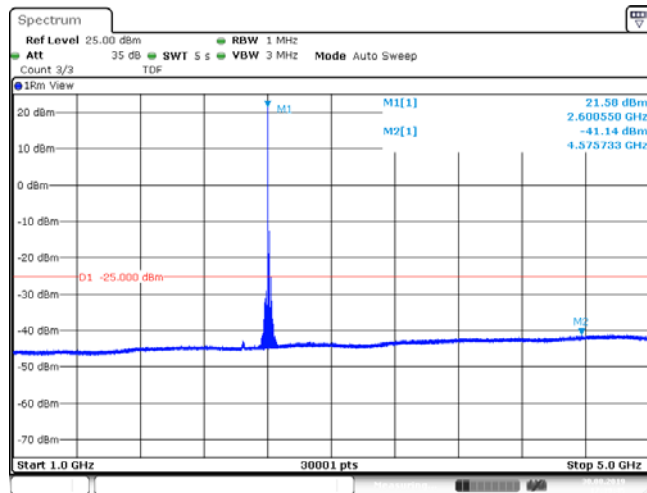
Date: 30.AUG.2019 17:39:07

Band41_10MHz_16QAM_40740_1RB#0



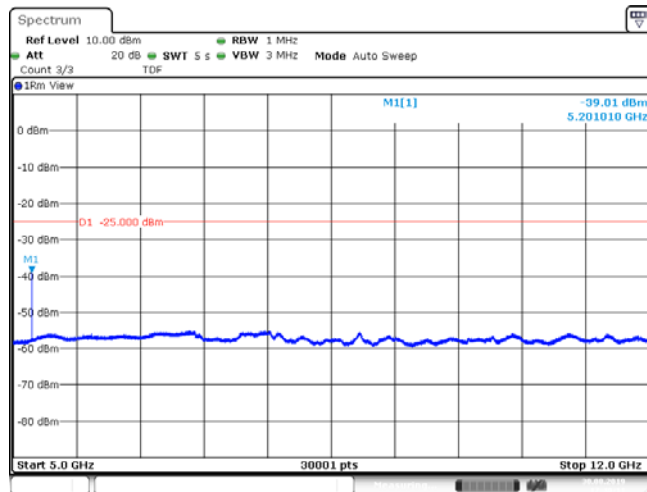
Date: 30.AUG.2019 17:39:18

Band41_10MHz_16QAM_40740_1RB#0



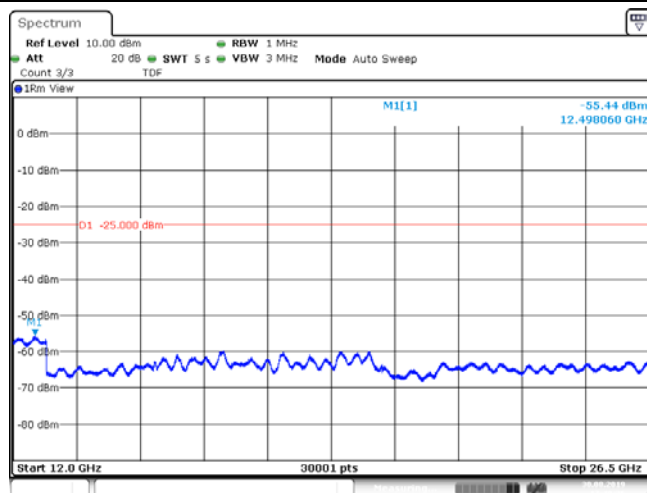
Date: 30.AUG.2019 17:39:45

Band41_10MHz_16QAM_40740_1RB#0



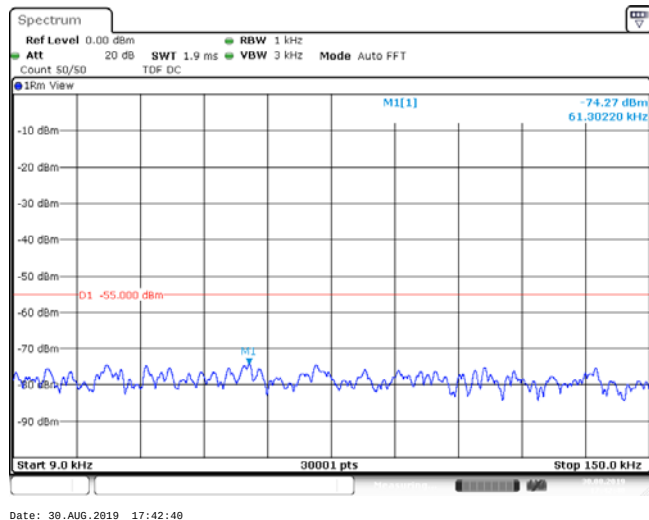
Date: 30.AUG.2019 17:40:11

Band41_10MHz_16QAM_40740_1RB#0



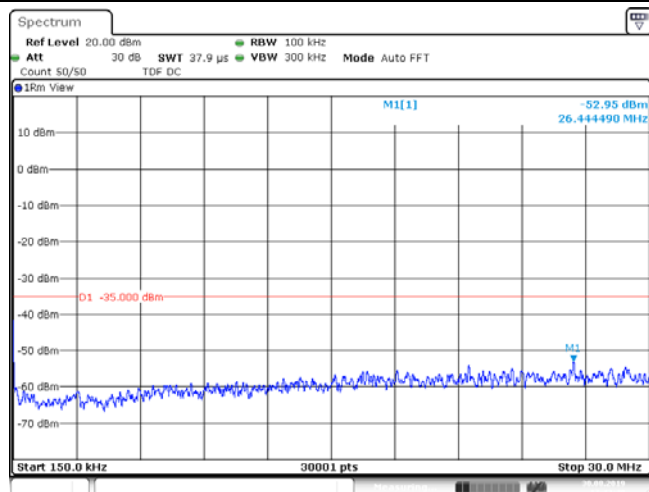
Date: 30.AUG.2019 17:40:37

Band41_10MHz_16QAM_41190_1RB#0



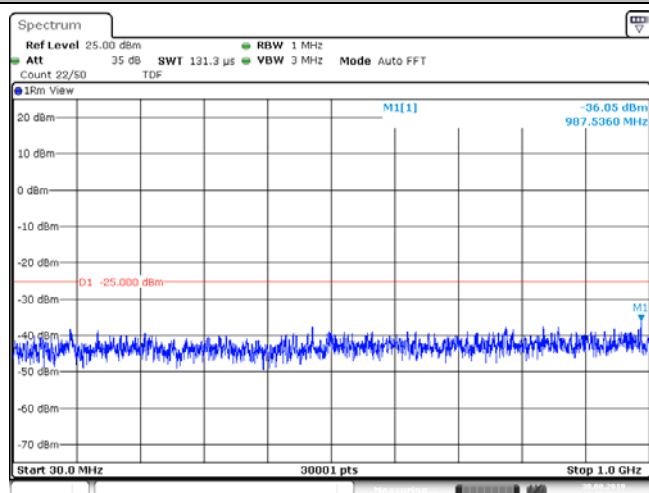
Date: 30.AUG.2019 17:42:48

Band41_10MHz_16QAM_41190_1RB#0



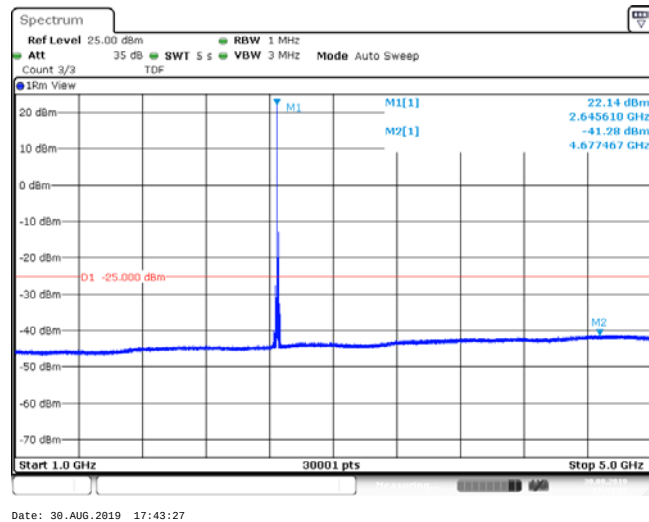
Date: 30.AUG.2019 17:42:49

Band41_10MHz_16QAM_41190_1RB#0



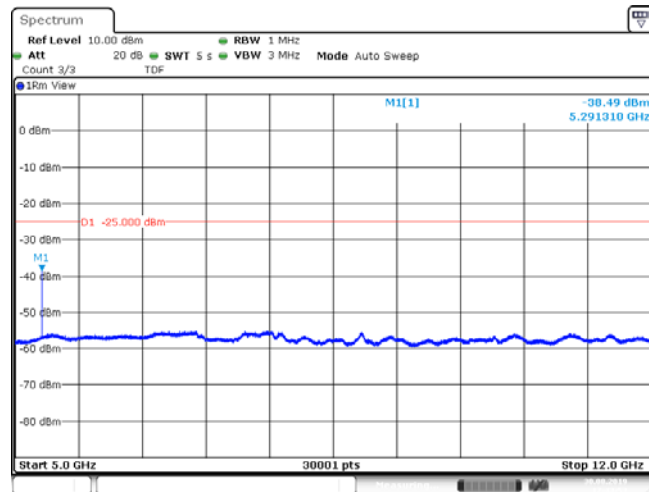
Date: 30.AUG.2019 17:43:00

Band41_10MHz_16QAM_41190_1RB#0



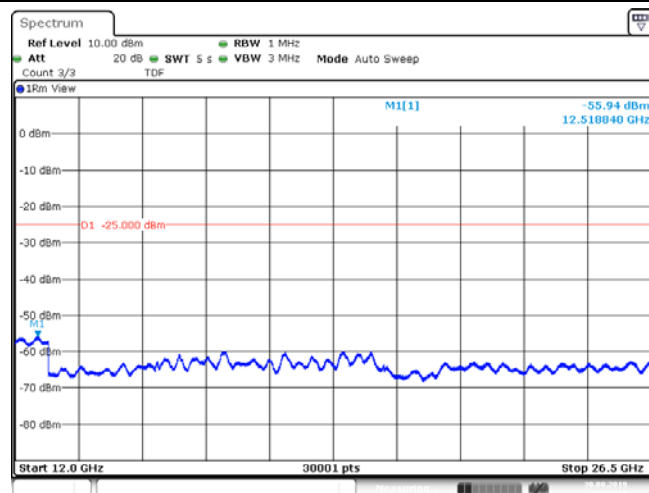
Date: 30.AUG.2019 17:43:27

Band41_10MHz_16QAM_41190_1RB#0



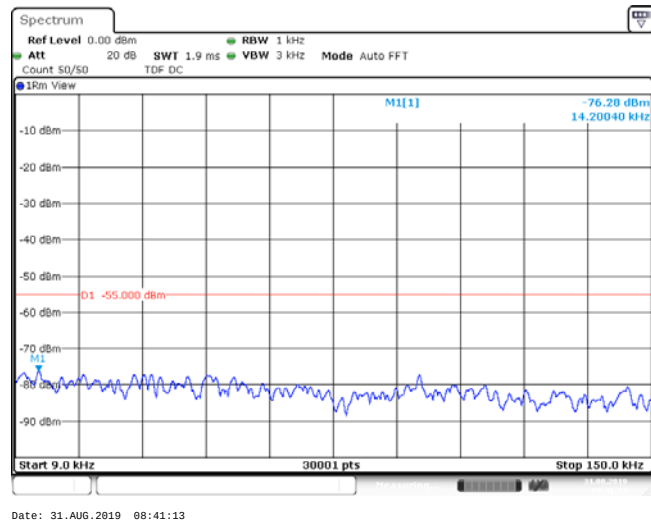
Date: 30.AUG.2019 17:43:53

Band41_10MHz_16QAM_41190_1RB#0



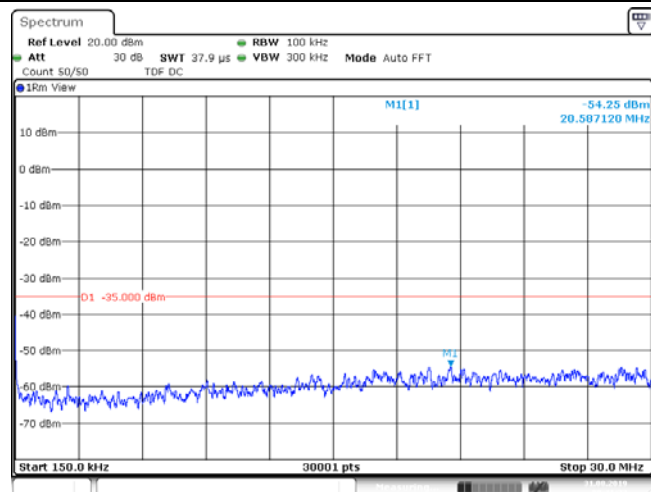
Date: 30.AUG.2019 17:44:19

Band41_15MHz_QPSK_40315_1RB#0



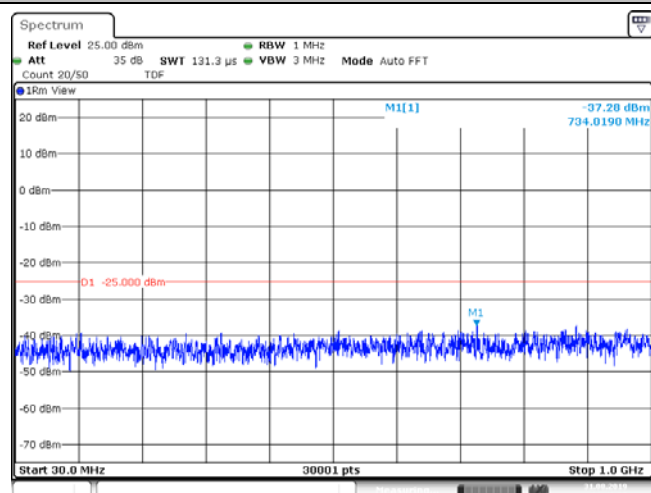
Date: 31.AUG.2019 08:41:13

Band41_15MHz_QPSK_40315_1RB#0



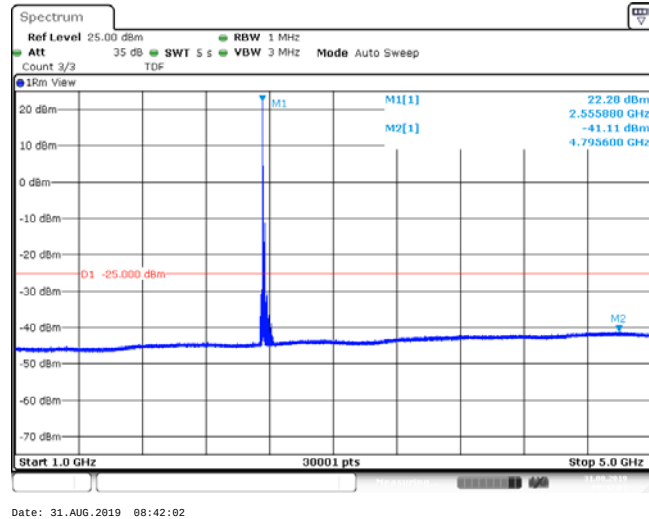
Date: 31.AUG.2019 08:41:23

Band41_15MHz_QPSK_40315_1RB#0



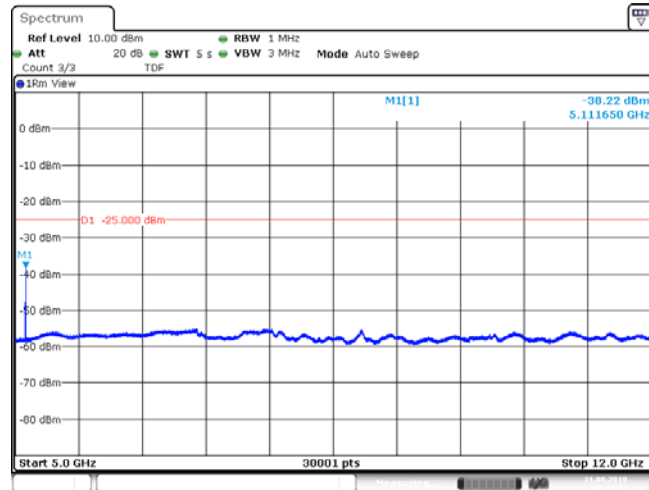
Date: 31.AUG.2019 08:41:35

Band41_15MHz_QPSK_40315_1RB#0



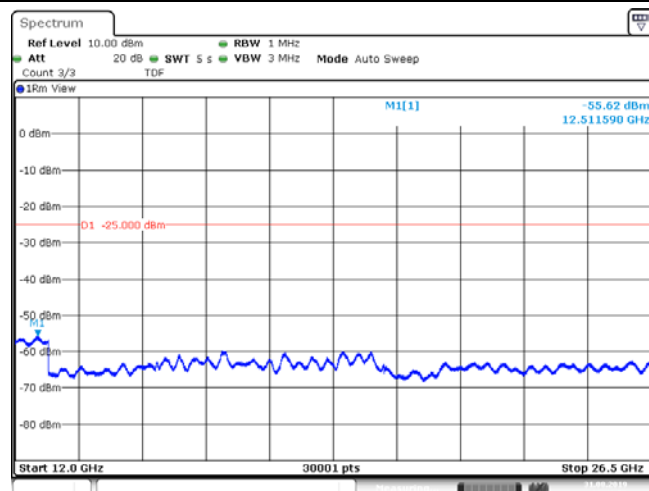
Date: 31.AUG.2019 08:42:02

Band41_15MHz_QPSK_40315_1RB#0



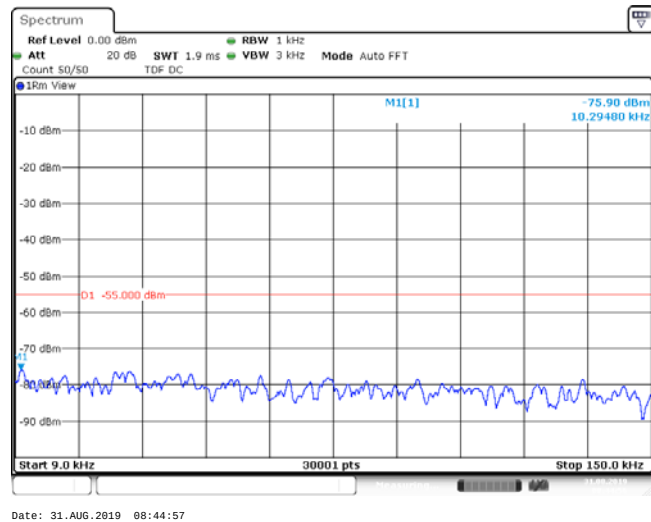
Date: 31.AUG.2019 08:42:28

Band41_15MHz_QPSK_40315_1RB#0



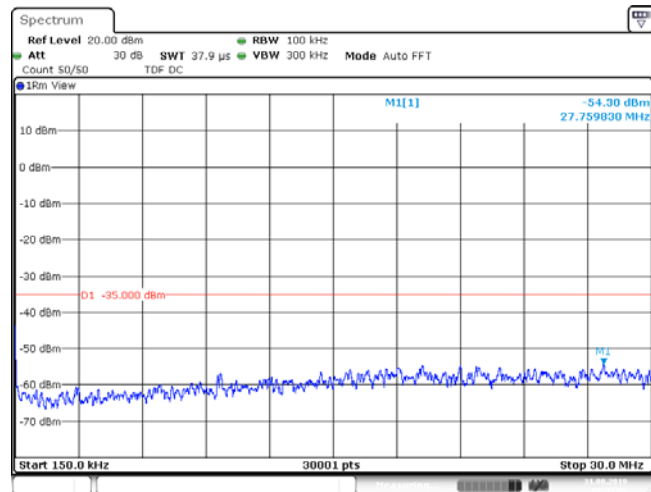
Date: 31.AUG.2019 08:42:53

Band41_15MHz_QPSK_40740_1RB#0



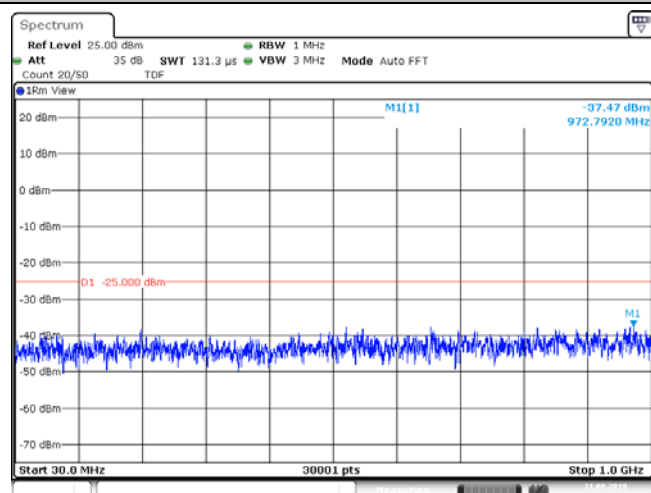
Date: 31.AUG.2019 08:44:57

Band41_15MHz_QPSK_40740_1RB#0



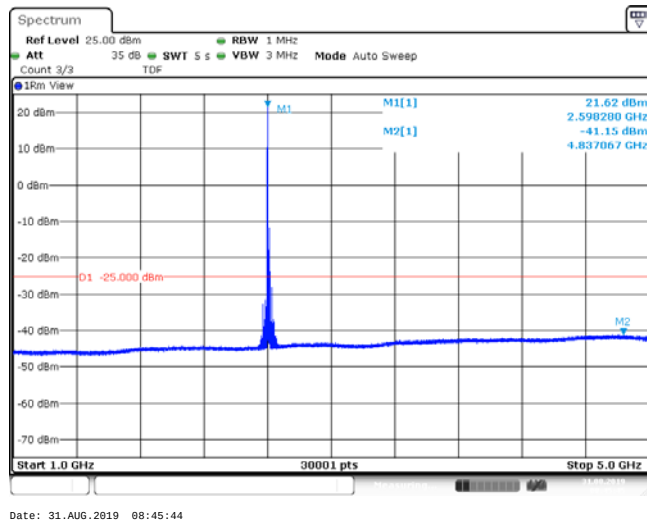
Date: 31.AUG.2019 08:45:06

Band41_15MHz_QPSK_40740_1RB#0

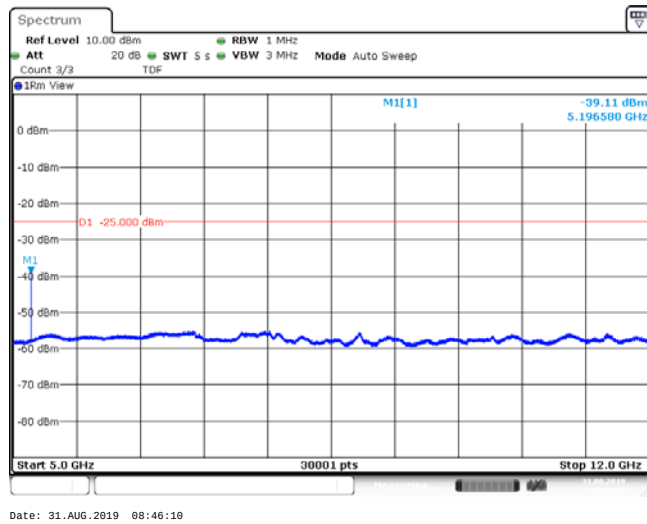


Date: 31.AUG.2019 08:45:17

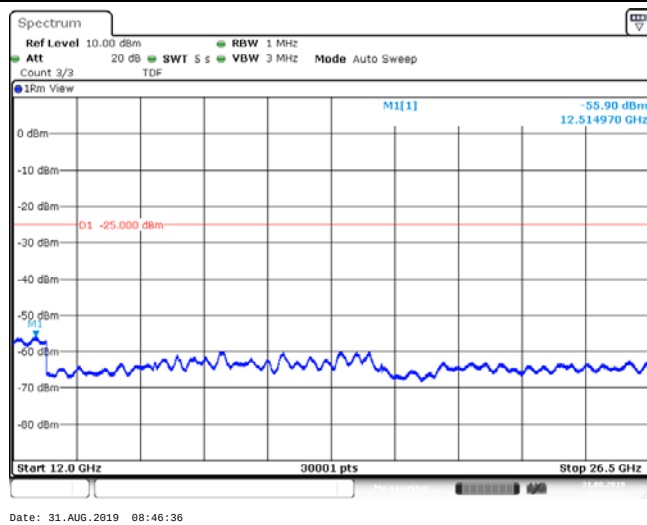
Band41_15MHz_QPSK_40740_1RB#0



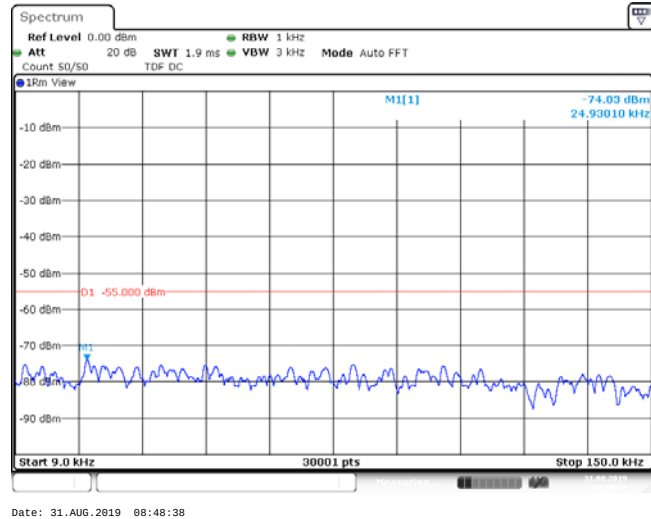
Band41_15MHz_QPSK_40740_1RB#0



Band41_15MHz_QPSK_40740_1RB#0

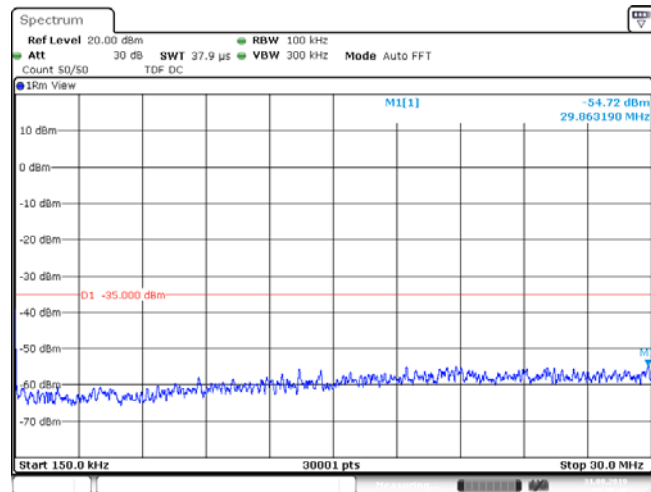


Band41_15MHz_QPSK_41165_1RB#0



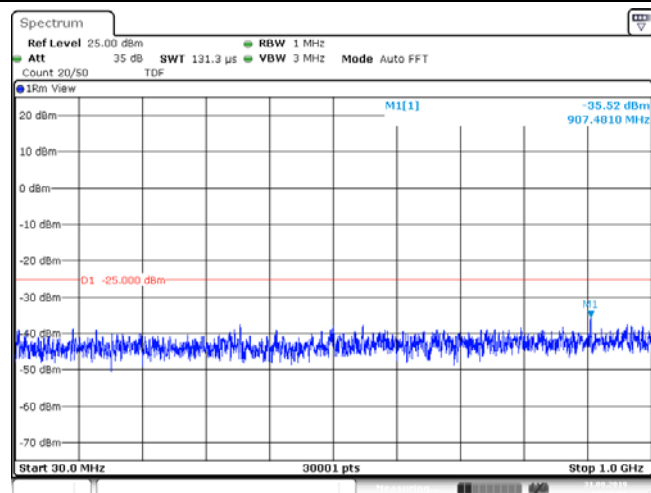
Date: 31.AUG.2019 08:48:38

Band41_15MHz_QPSK_41165_1RB#0



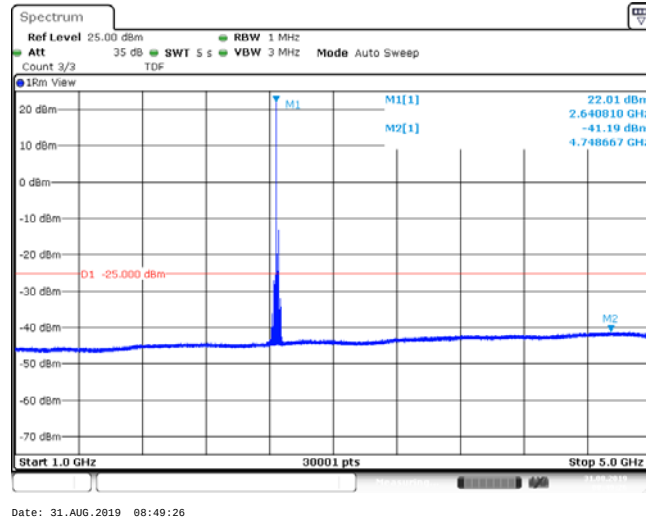
Date: 31.AUG.2019 08:48:48

Band41_15MHz_QPSK_41165_1RB#0

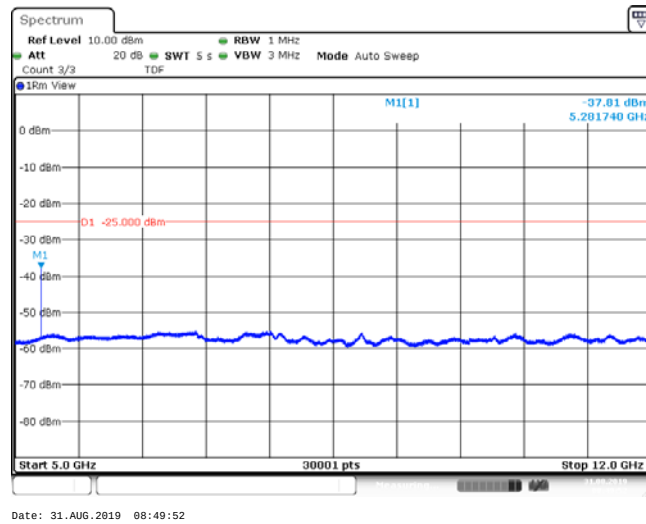


Date: 31.AUG.2019 08:48:59

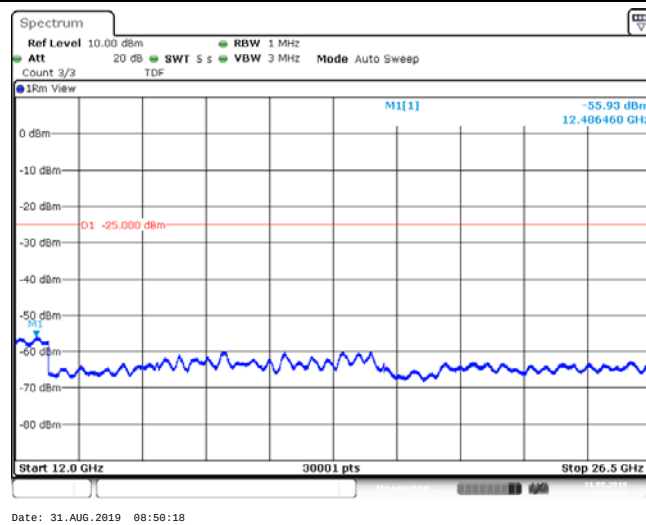
Band41_15MHz_QPSK_41165_1RB#0



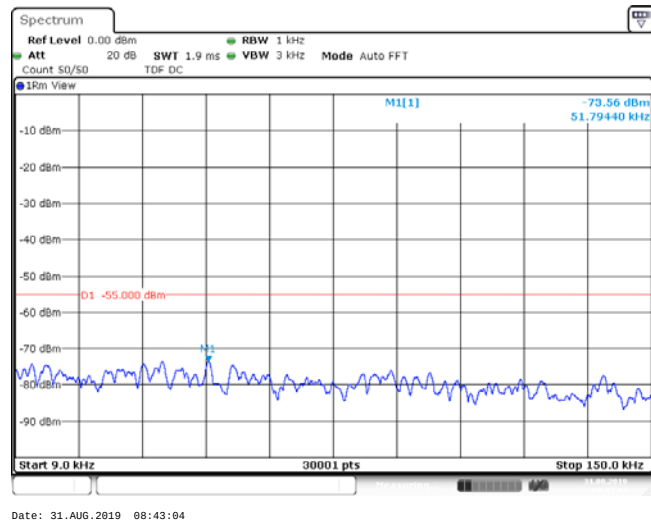
Band41_15MHz_QPSK_41165_1RB#0



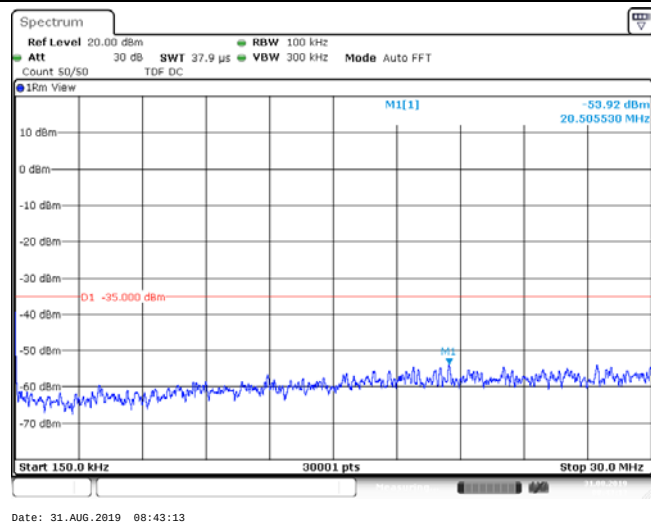
Band41_15MHz_QPSK_41165_1RB#0



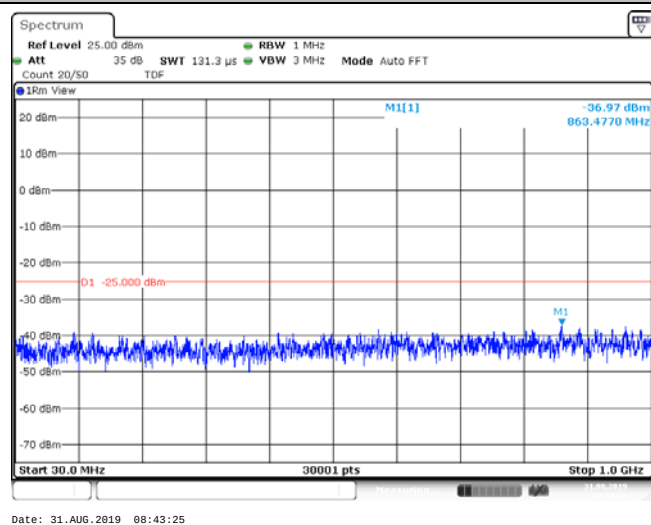
Band41_15MHz_16QAM_40315_1RB#0



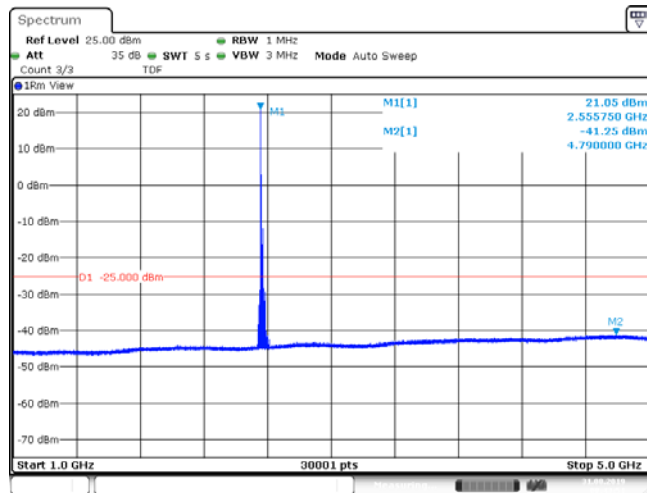
Band41_15MHz_16QAM_40315_1RB#0



Band41_15MHz_16QAM_40315_1RB#0

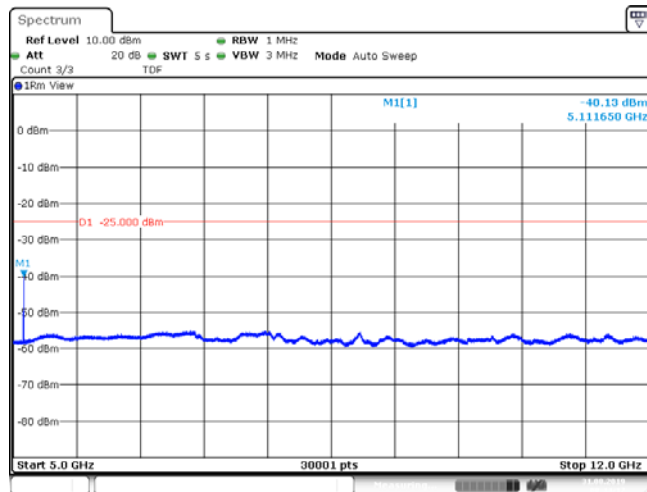


Band41_15MHz_16QAM_40315_1RB#0



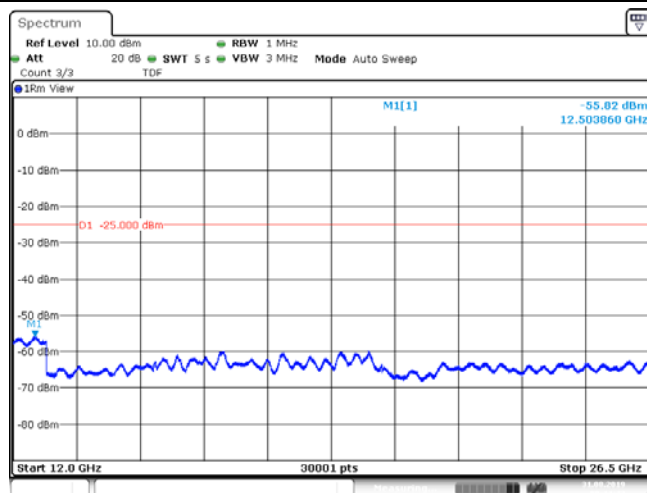
Date: 31.AUG.2019 08:43:52

Band41_15MHz_16QAM_40315_1RB#0



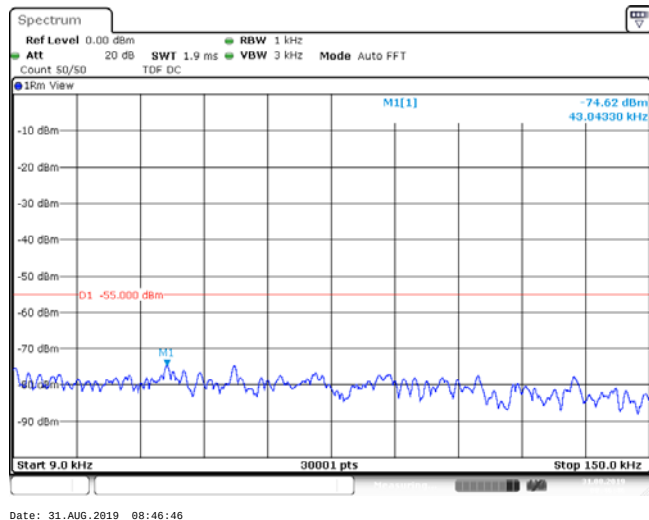
Date: 31.AUG.2019 08:44:18

Band41_15MHz_16QAM_40315_1RB#0



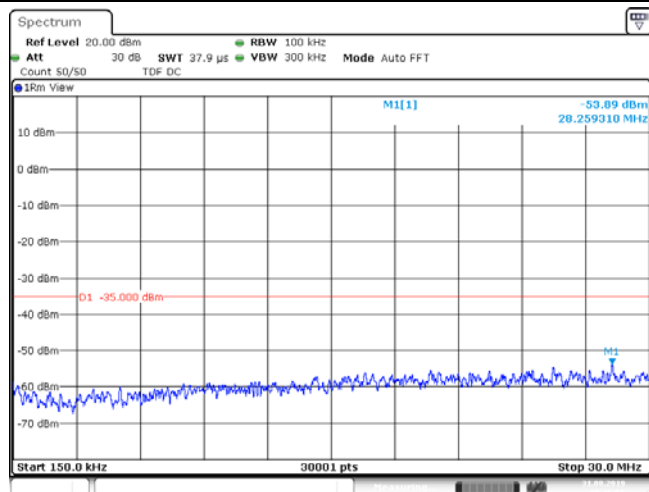
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Band41_15MHz_16QAM_40740_1RB#0



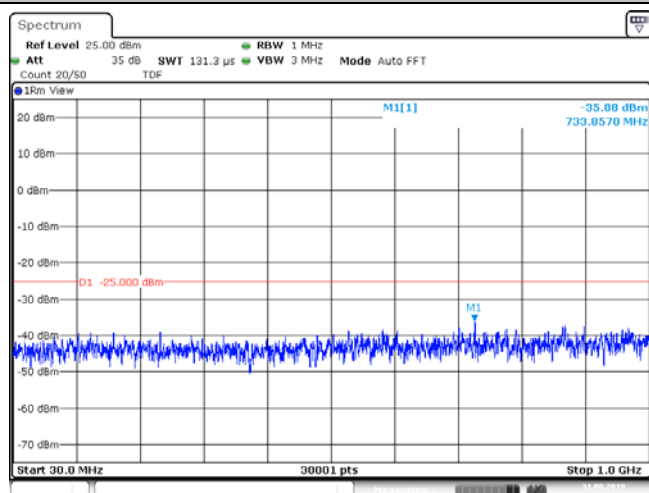
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Band41_15MHz_16QAM_40740_1RB#0



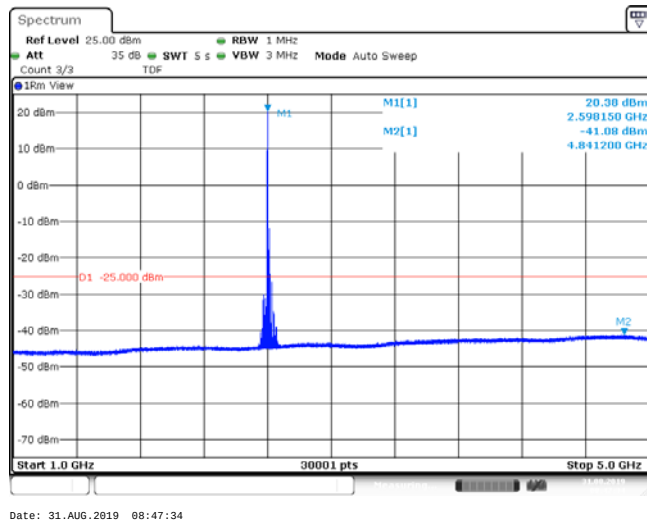
Date: 31.AUG.2019 08:46:56

Band41_15MHz_16QAM_40740_1RB#0

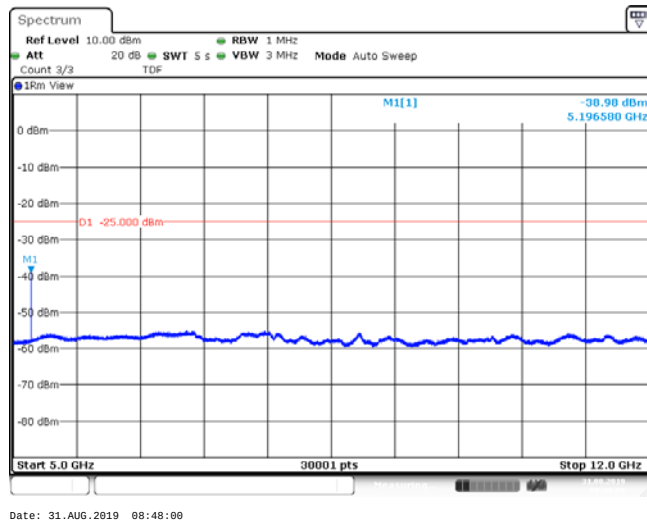


Date: 31.AUG.2019 08:47:07

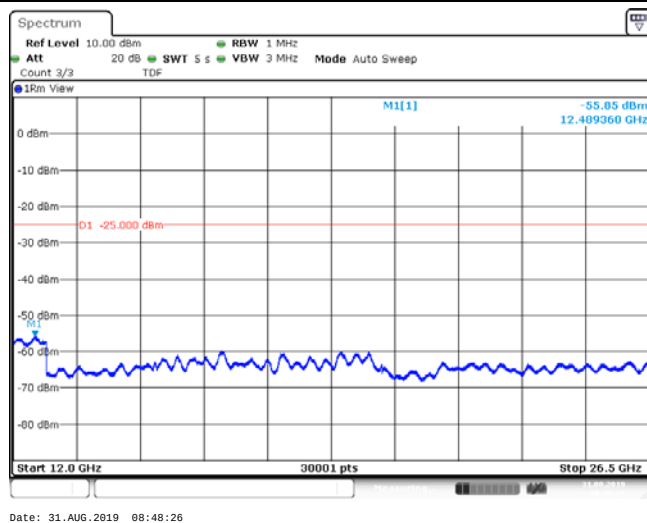
Band41_15MHz_16QAM_40740_1RB#0



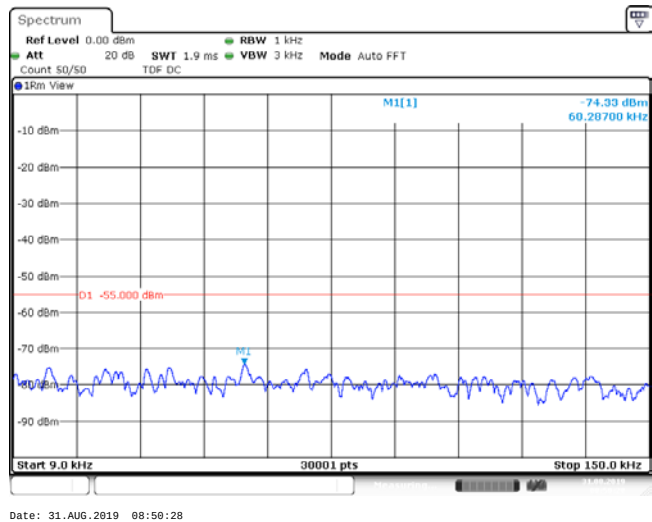
Band41_15MHz_16QAM_40740_1RB#0



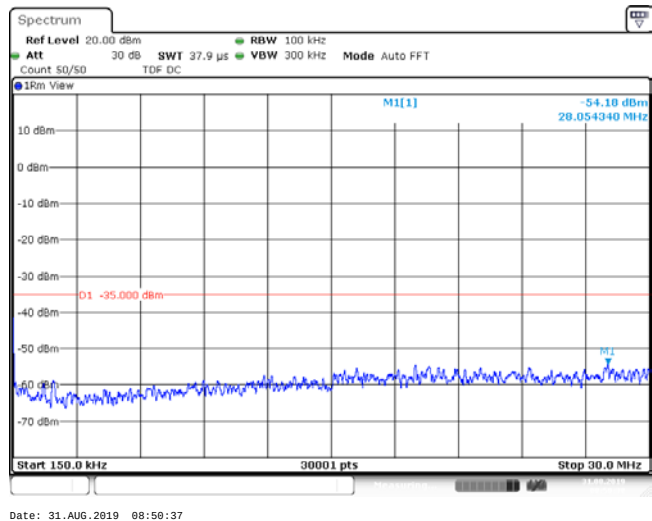
Band41_15MHz_16QAM_40740_1RB#0



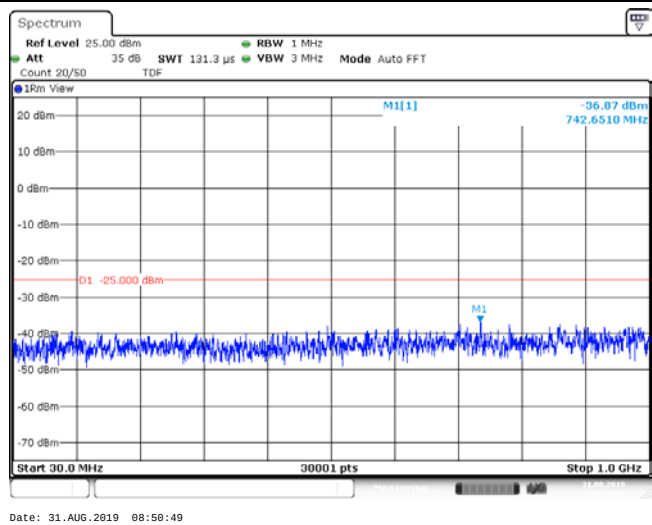
Band41_15MHz_16QAM_41165_1RB#0



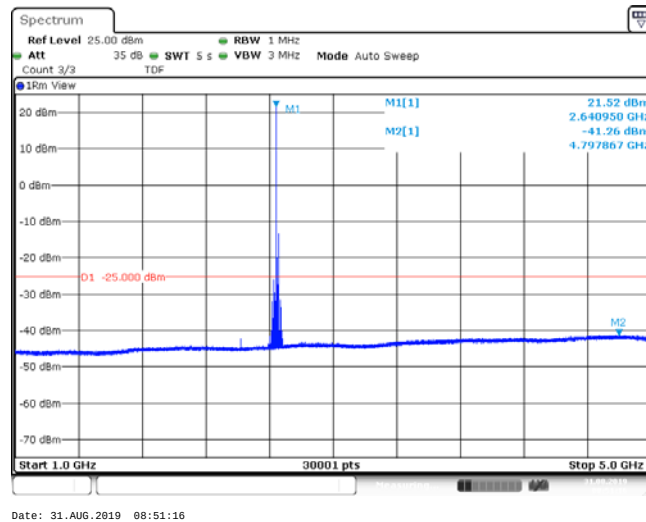
Band41_15MHz_16QAM_41165_1RB#0



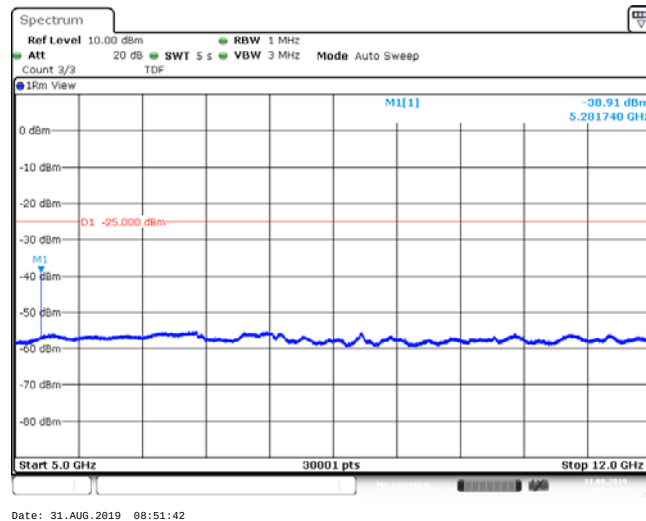
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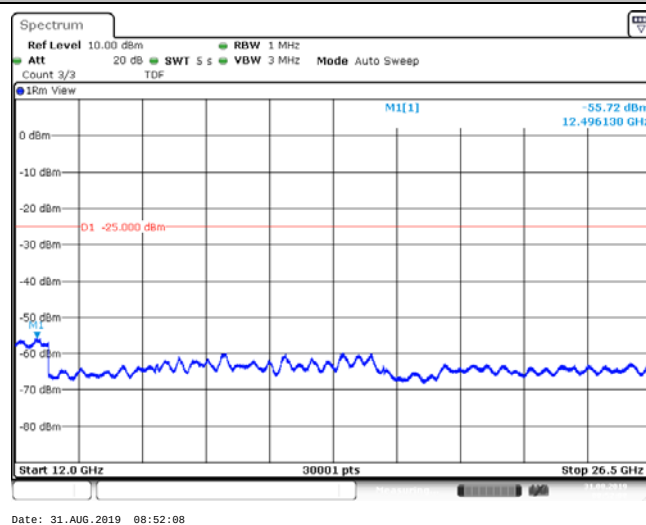
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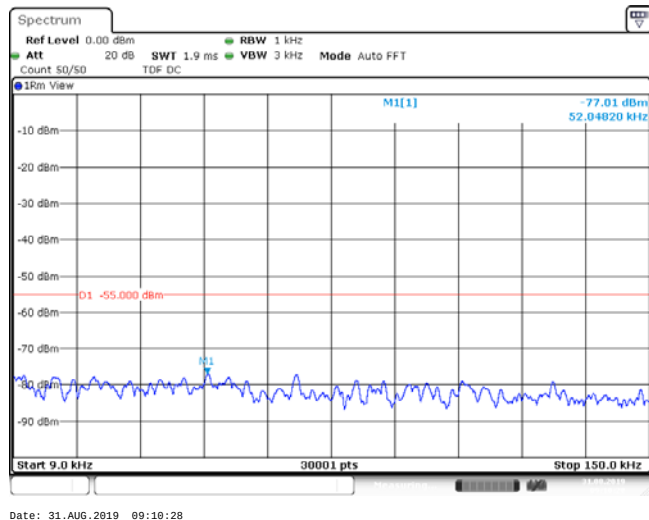
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Band41_15MHz_16QAM_41165_1RB#0

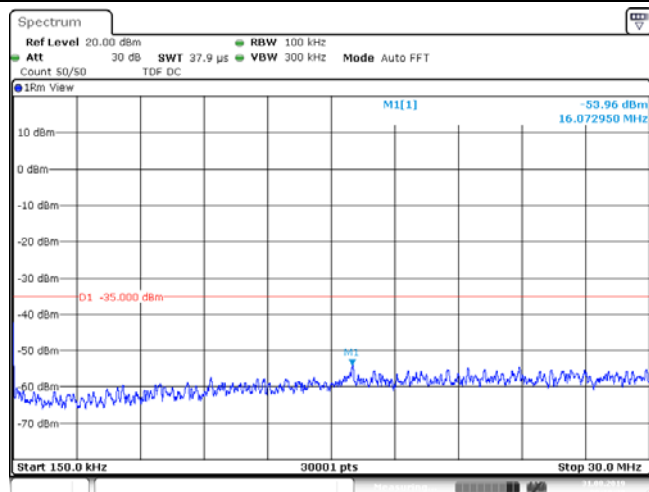


Band41_20MHz_QPSK_40340_1RB#0



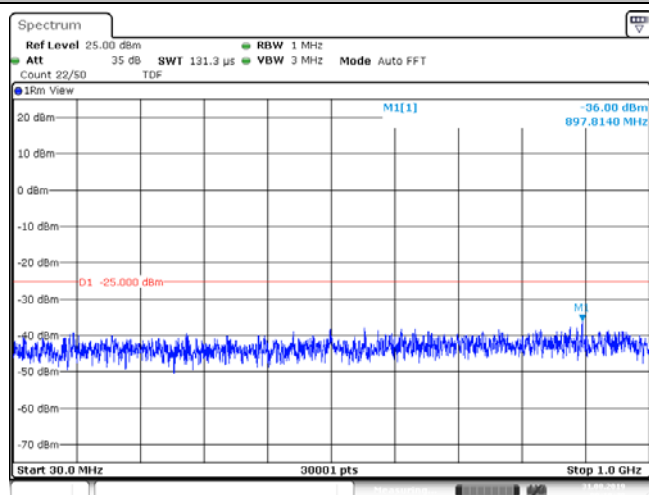
Date: 31.AUG.2019 09:10:28

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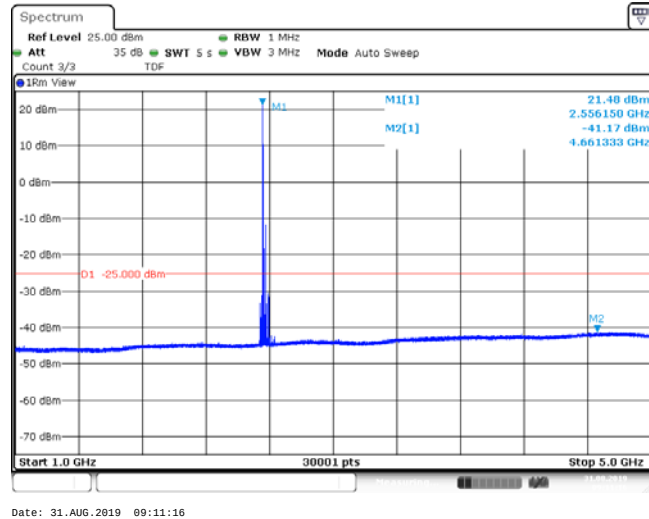
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Band41_20MHz_QPSK_40340_1RB#0

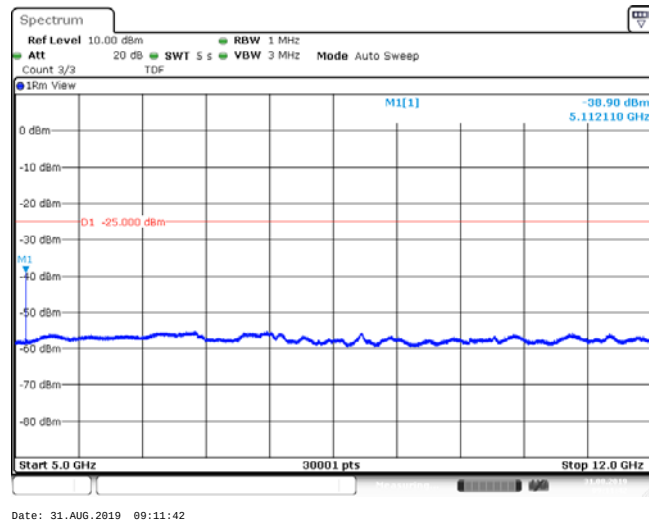


Date: 31.AUG.2019 09:10:49

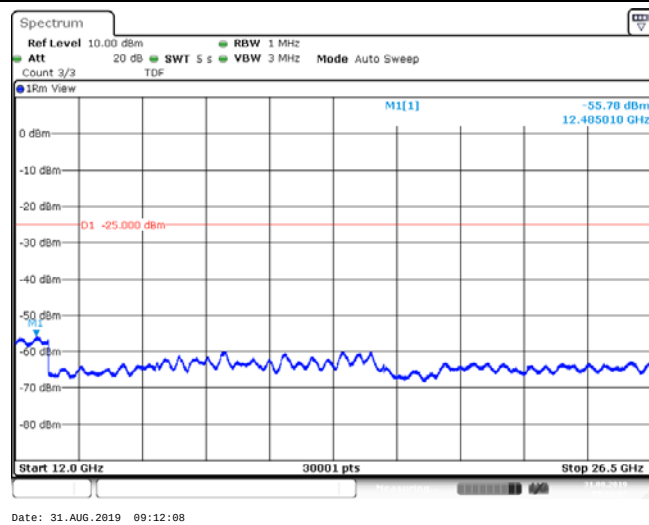
Band41_20MHz_QPSK_40340_1RB#0



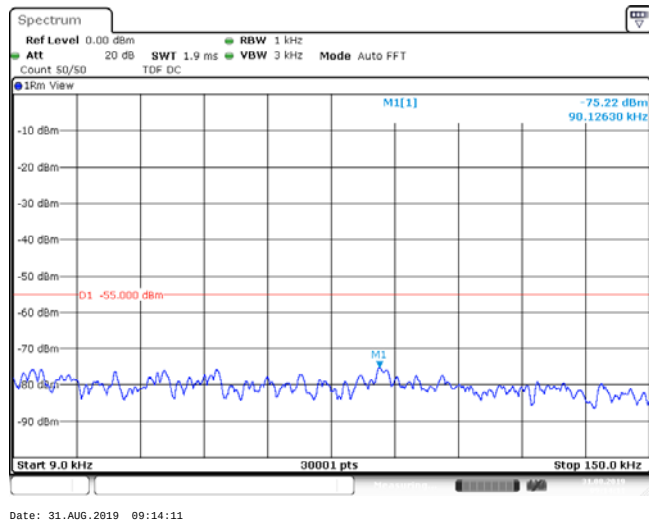
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Band41_20MHz_QPSK_40340_1RB#0

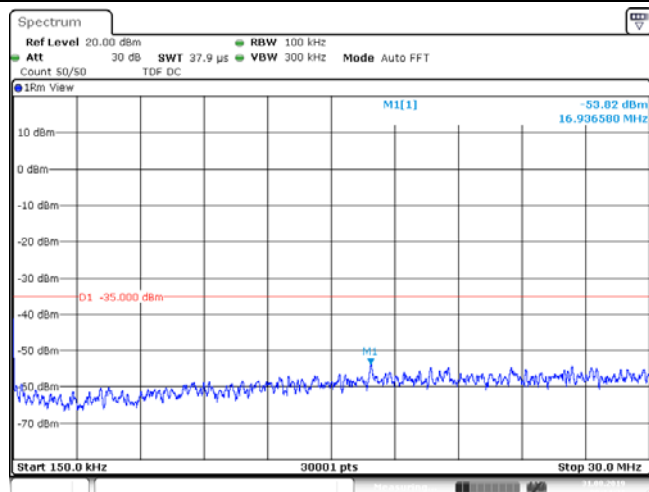


Band41_20MHz_QPSK_40740_1RB#0



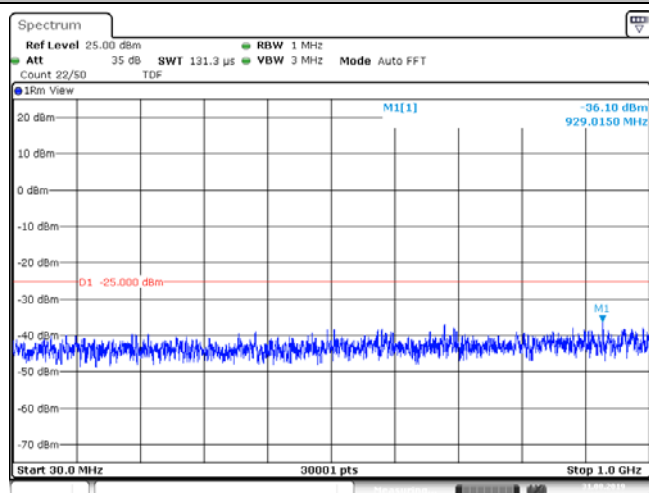
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Band41_20MHz_QPSK_40740_1RB#0



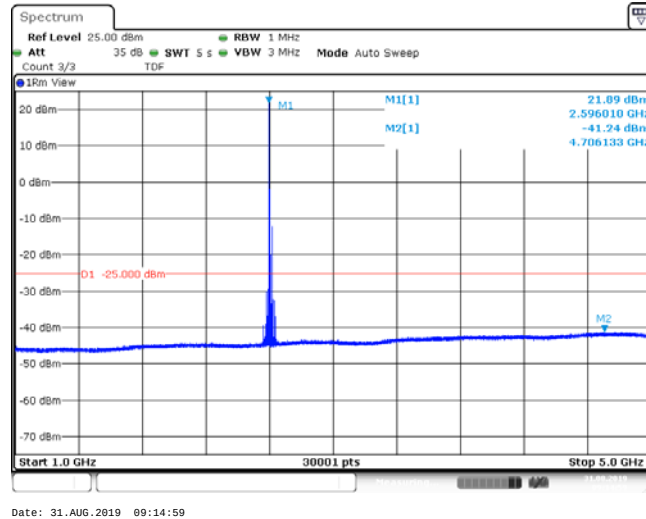
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Band41_20MHz_QPSK_40740_1RB#0

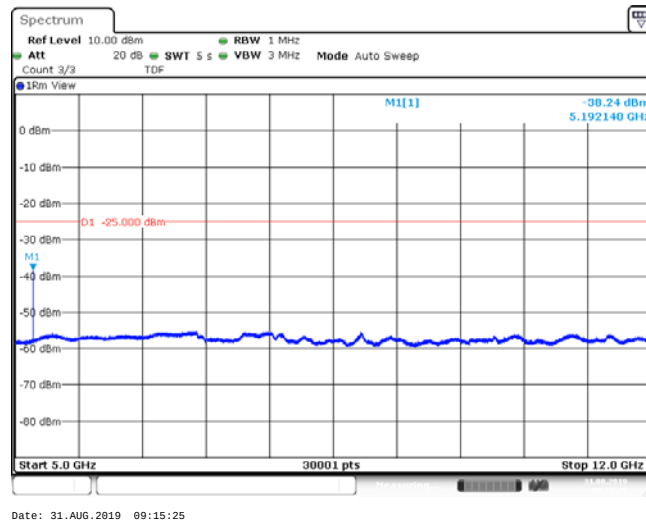


Date: 31.AUG.2019 09:14:32

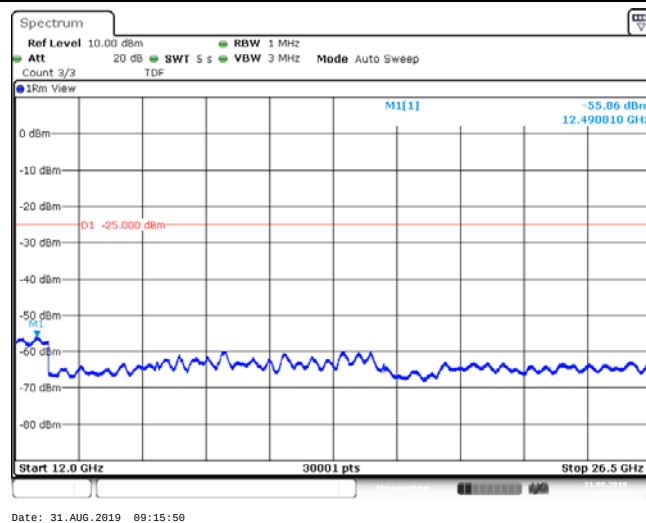
Band41_20MHz_QPSK_40740_1RB#0



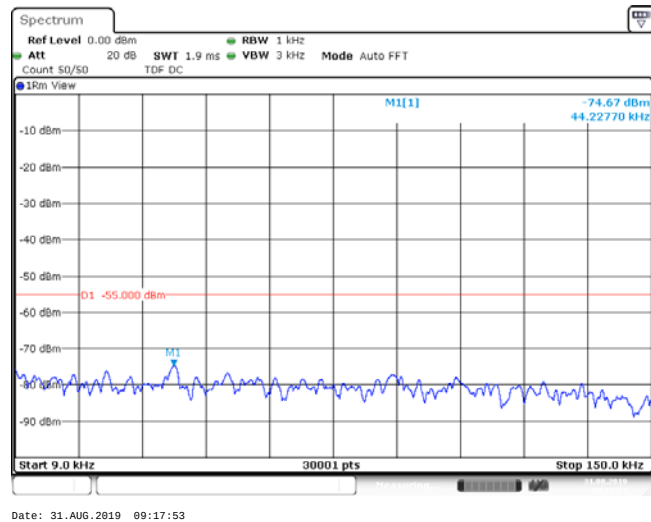
Band41_20MHz_QPSK_40740_1RB#0



Band41_20MHz_QPSK_40740_1RB#0

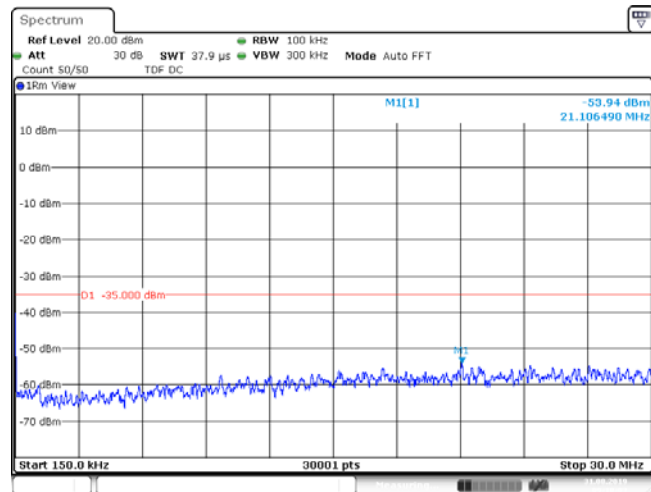


Band41_20MHz_QPSK_41140_1RB#0



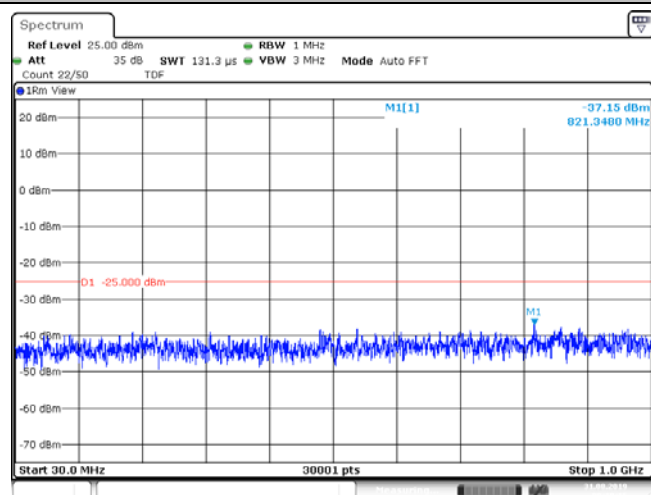
Date: 31.AUG.2019 09:17:53

Band41_20MHz_QPSK_41140_1RB#0



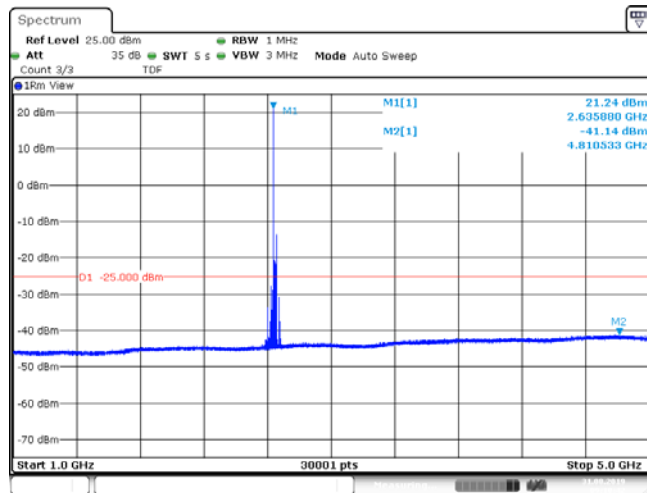
Date: 31.AUG.2019 09:18:03

Band41_20MHz_QPSK_41140_1RB#0



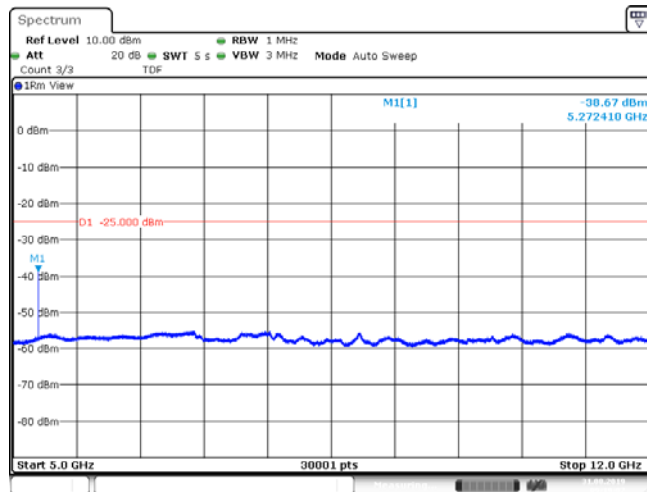
Date: 31.AUG.2019 09:18:14

Band41_20MHz_QPSK_41140_1RB#0



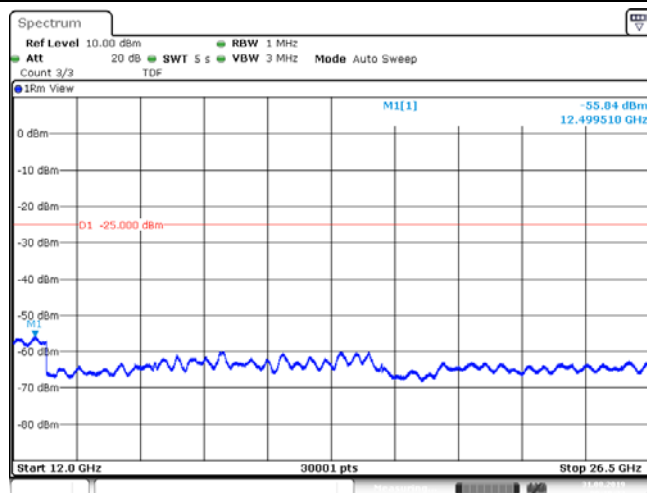
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Band41_20MHz_QPSK_41140_1RB#0



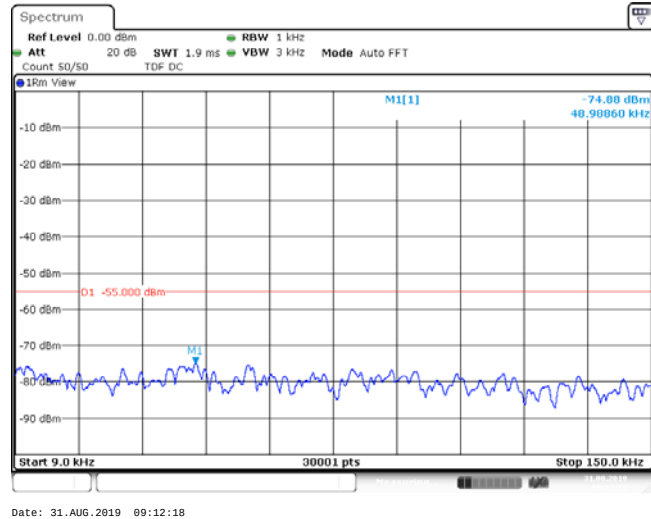
Date: 31.AUG.2019 09:19:07

Band41_20MHz_QPSK_41140_1RB#0



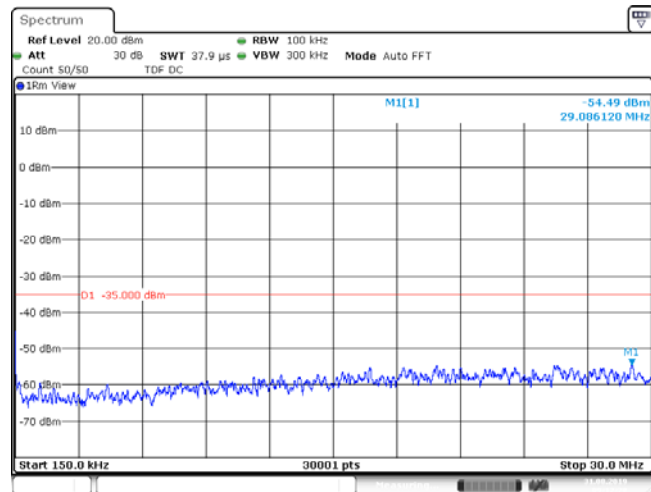
Date: 31.AUG.2019 09:19:33

Band41_20MHz_16QAM_40340_1RB#0



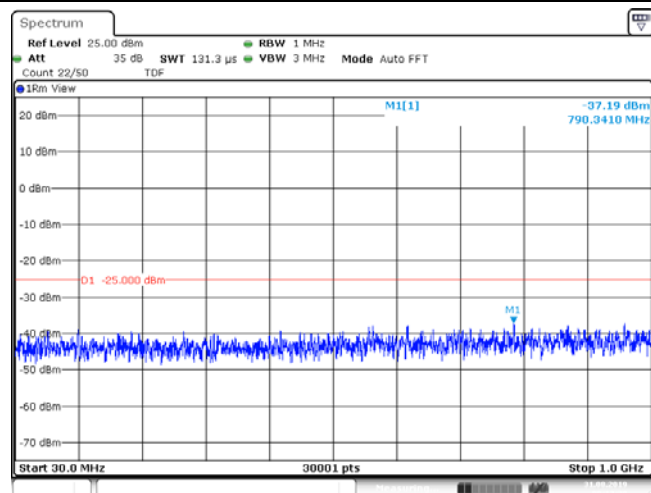
Date: 31.AUG.2019 09:12:18

Band41_20MHz_16QAM_40340_1RB#0



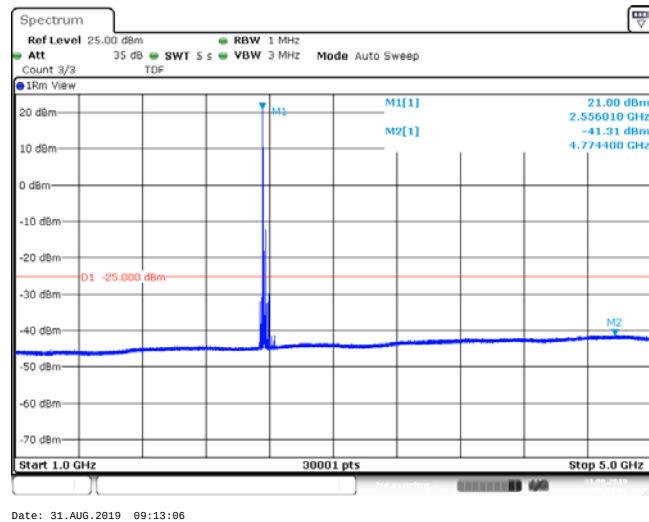
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Band41_20MHz_16QAM_40340_1RB#0

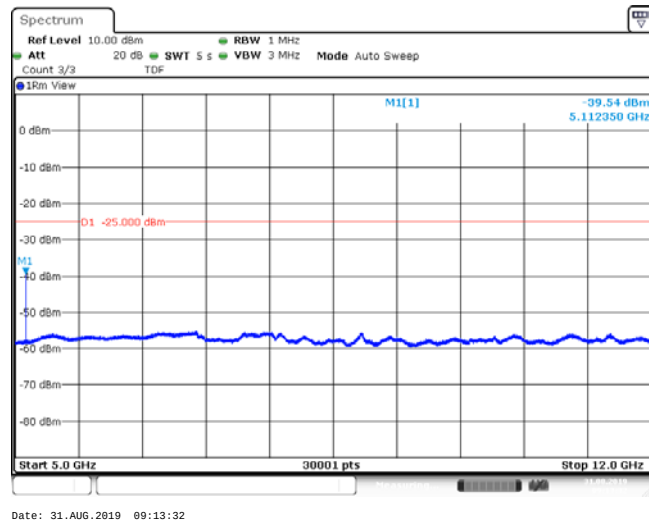


Date: 31.AUG.2019 09:12:39

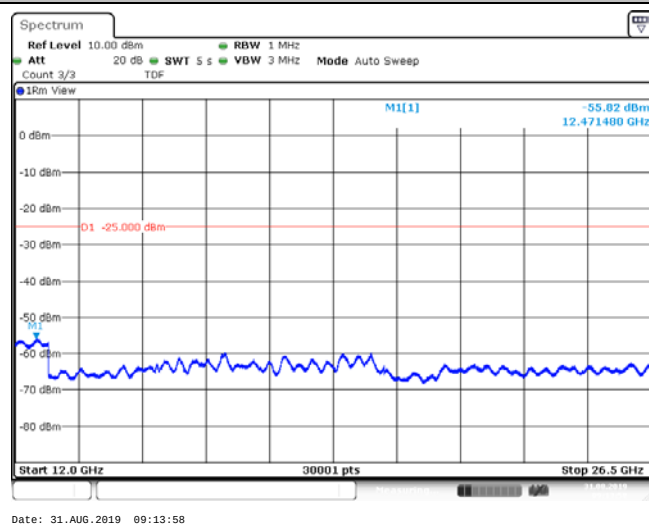
Band41_20MHz_16QAM_40340_1RB#0



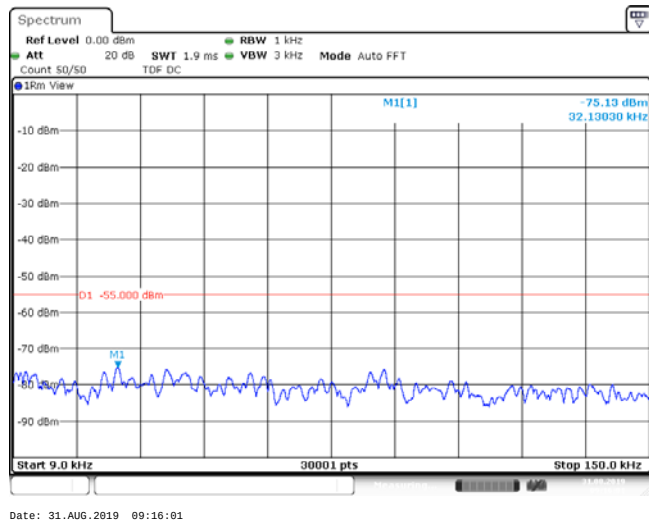
Band41_20MHz_16QAM_40340_1RB#0



Band41_20MHz_16QAM_40340_1RB#0

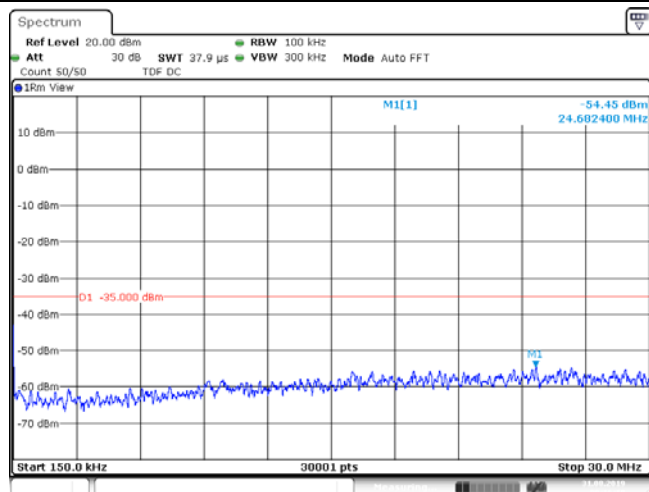


Band41_20MHz_16QAM_40740_1RB#0



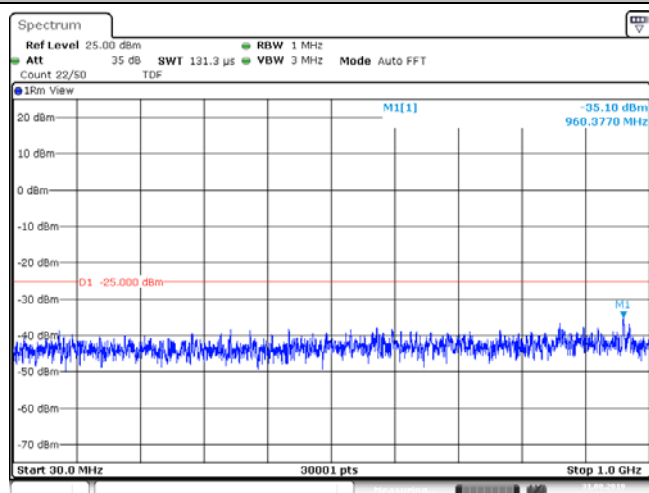
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Band41_20MHz_16QAM_40740_1RB#0



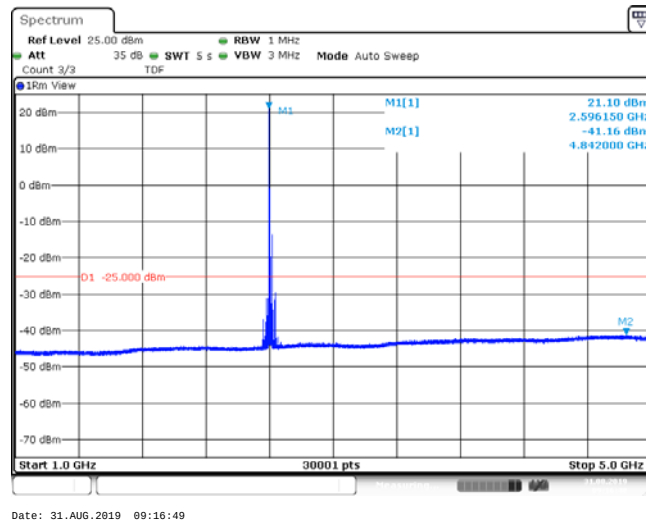
Date: 31.AUG.2019 09:16:10

Band41_20MHz_16QAM_40740_1RB#0

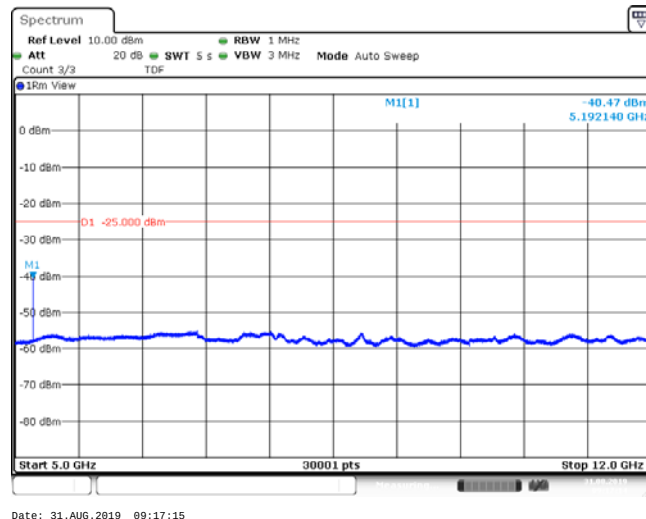


Date: 31.AUG.2019 09:16:22

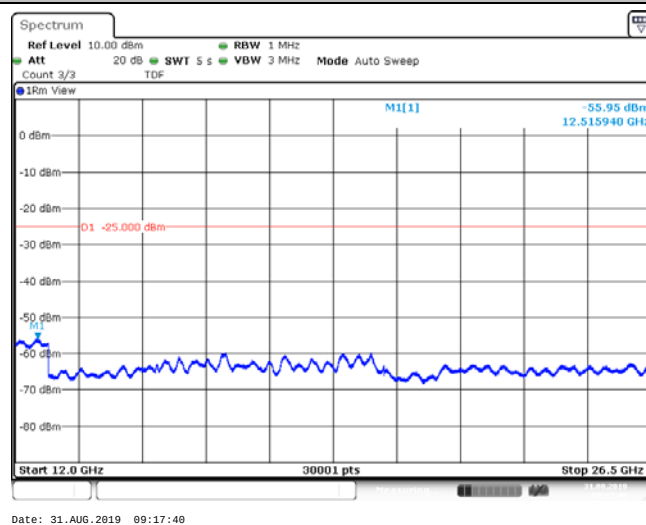
Band41_20MHz_16QAM_40740_1RB#0



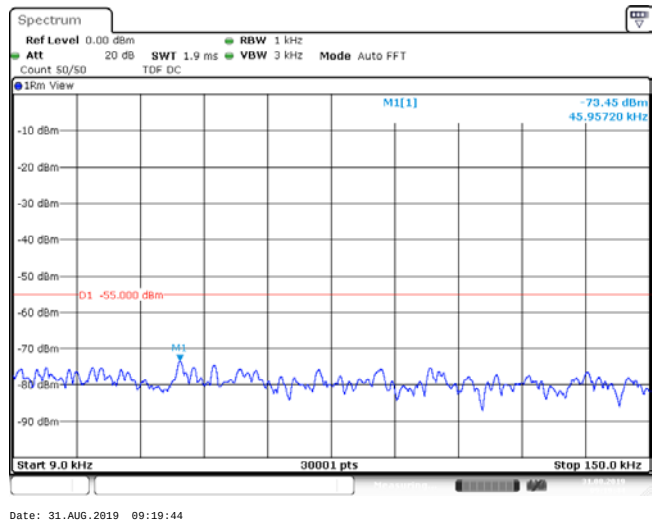
Band41_20MHz_16QAM_40740_1RB#0



Band41_20MHz_16QAM_40740_1RB#0

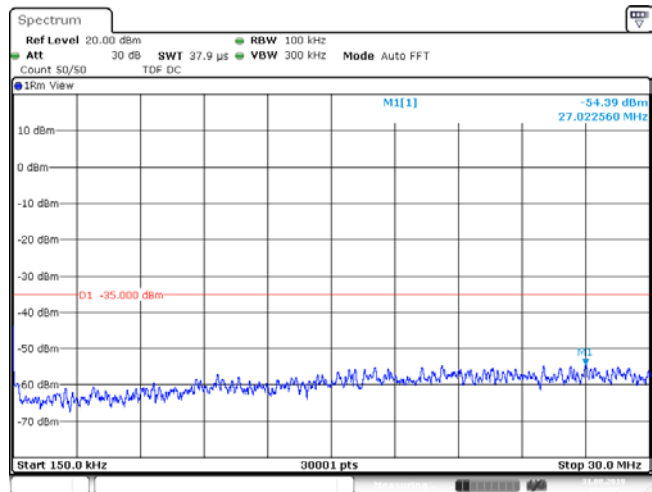


Band41_20MHz_16QAM_41140_1RB#0



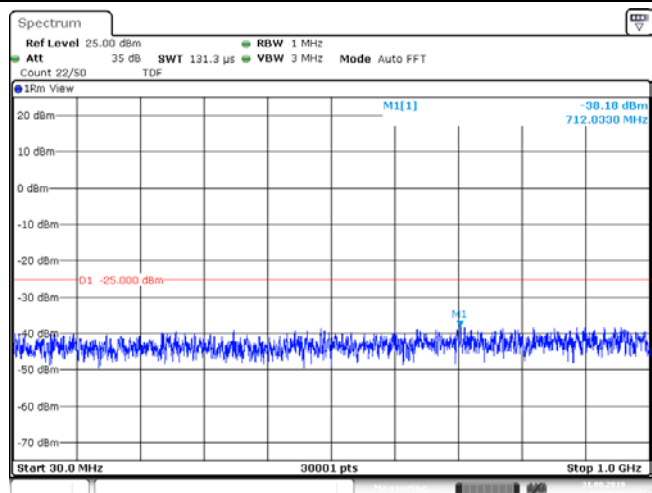
Date: 31.AUG.2019 09:19:44

Band41_20MHz_16QAM_41140_1RB#0



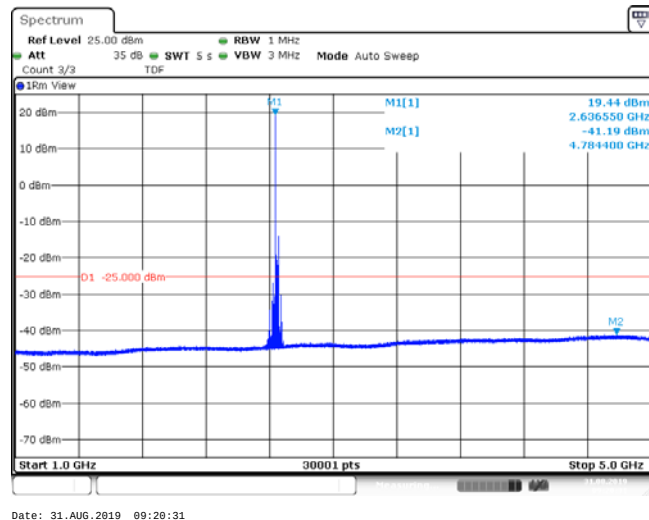
Date: 31.AUG.2019 09:19:53

Band41_20MHz_16QAM_41140_1RB#0

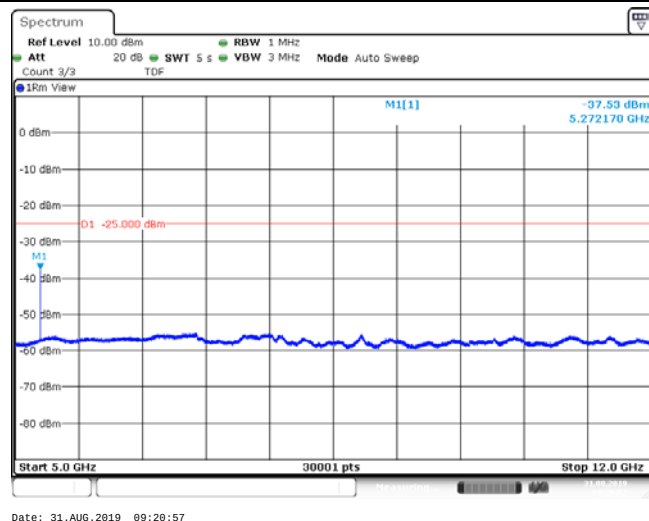


Date: 31.AUG.2019 09:20:04

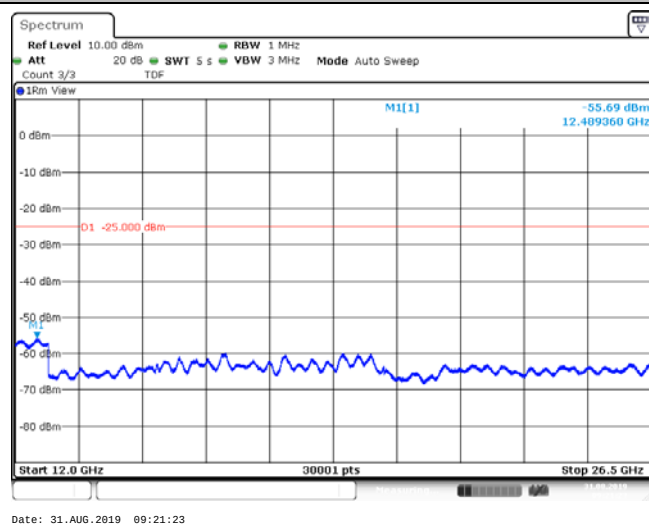
Band41_20MHz_16QAM_41140_1RB#0



Band41_20MHz_16QAM_41140_1RB#0



Band41_20MHz_16QAM_41140_1RB#0



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	40740	25RB#0	VL	NT	13.98	0.005367	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	VN	NT	-16.58	-0.006365	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	VH	NT	12.72	0.004883	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	VL	NT	14.76	0.005666	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	VN	NT	11.23	0.004311	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	VH	NT	11.90	0.004568	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	VL	NT	12.89	0.004948	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	VN	NT	13.06	0.005013	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	VH	NT	16.18	0.006211	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	VL	NT	-62.21	-0.023881	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	VN	NT	14.96	0.005743	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	VH	NT	-66.33	-0.025463	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	40740	25RB#0	NV	-30	12.55	0.004818	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	-20	11.57	0.004441	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	0	10.21	0.003919	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	10	8.37	0.003213	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	20	13.13	0.005040	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	-30	7.87	0.003021	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	-20	13.86	0.005321	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	0	11.39	0.004372	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	10	14.15	0.005432	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	20	12.13	0.004656	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	-30	16.41	0.006299	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	-20	16.51	0.006338	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	0	-67.35	-0.025854	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	10	13.50	0.005182	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	20	12.46	0.004783	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-30	-61.05	-0.023436	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-20	13.88	0.005328	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	0	-61.97	-0.023789	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	10	9.97	0.003827	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	20	11.43	0.004388	±2.5	PASS