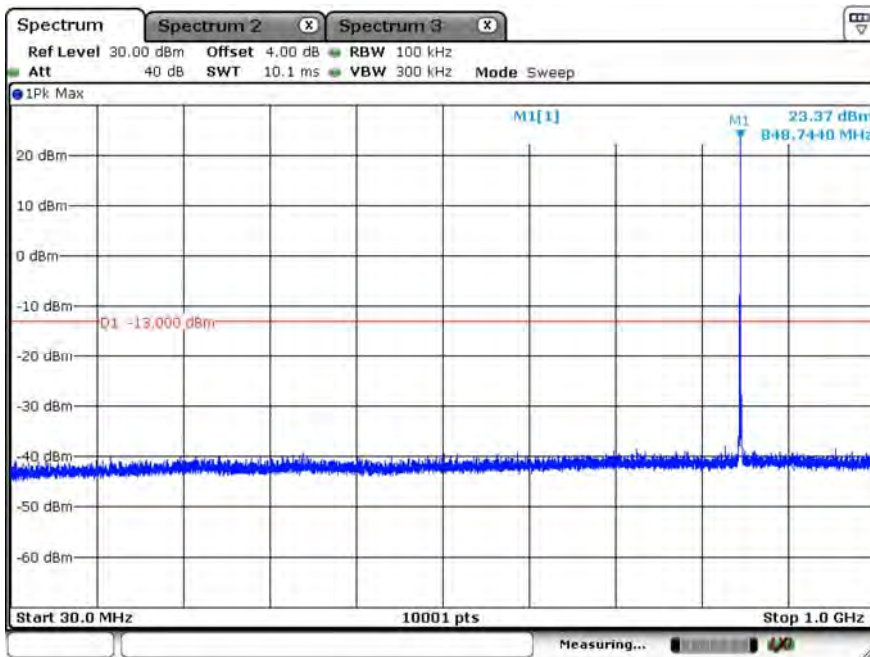
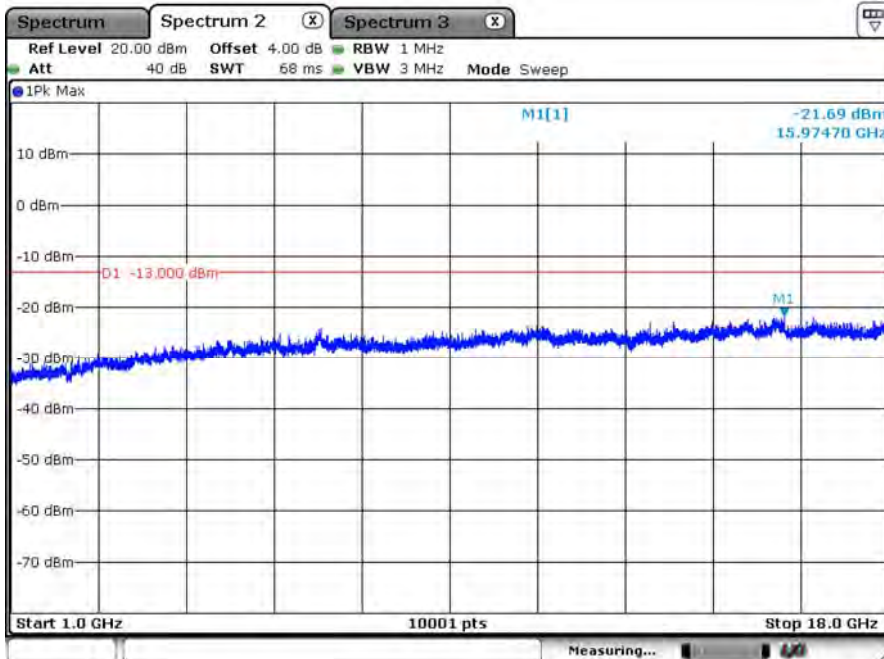


B5_15K_CH20648_BPSK_1RB0_TX_1



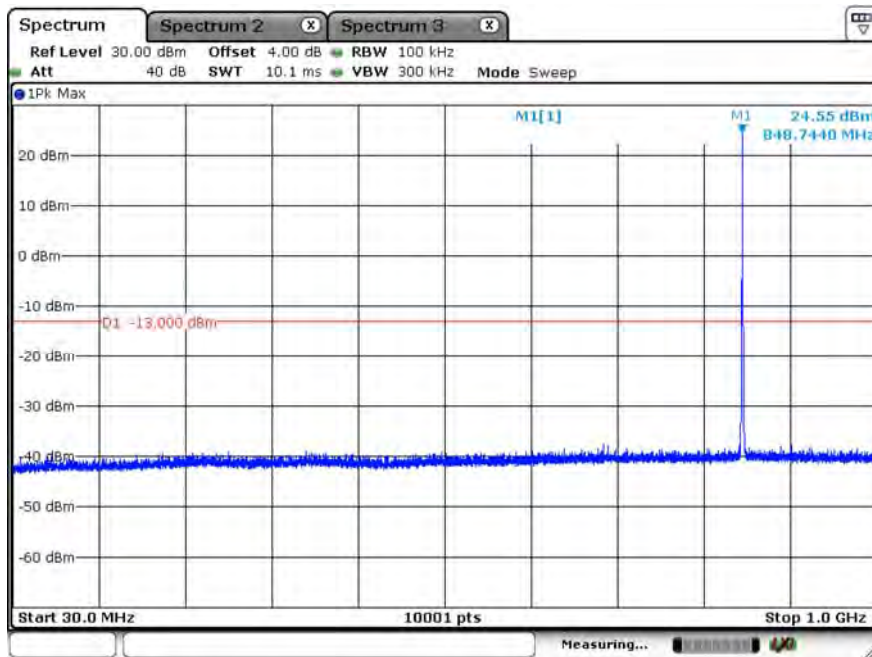
Date: 11.FEB.2020 14:51:34

B5_15K_CH20648_BPSK_1RB0_TX_2



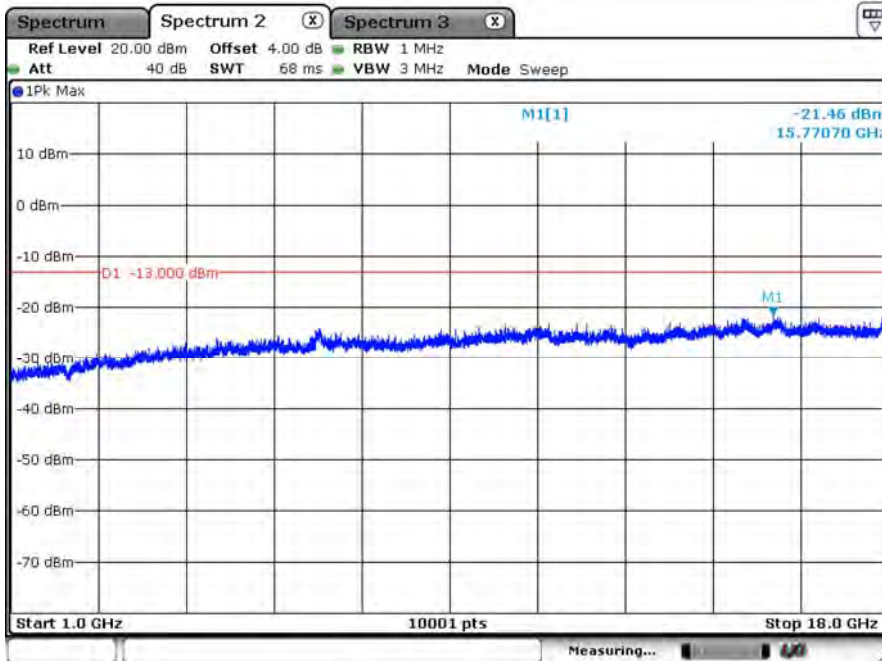
Date: 11.FEB.2020 14:52:49

B5_15K_CH20648_QPSK_1RB0_TX_1



Date: 11.FEB.2020 14:50:07

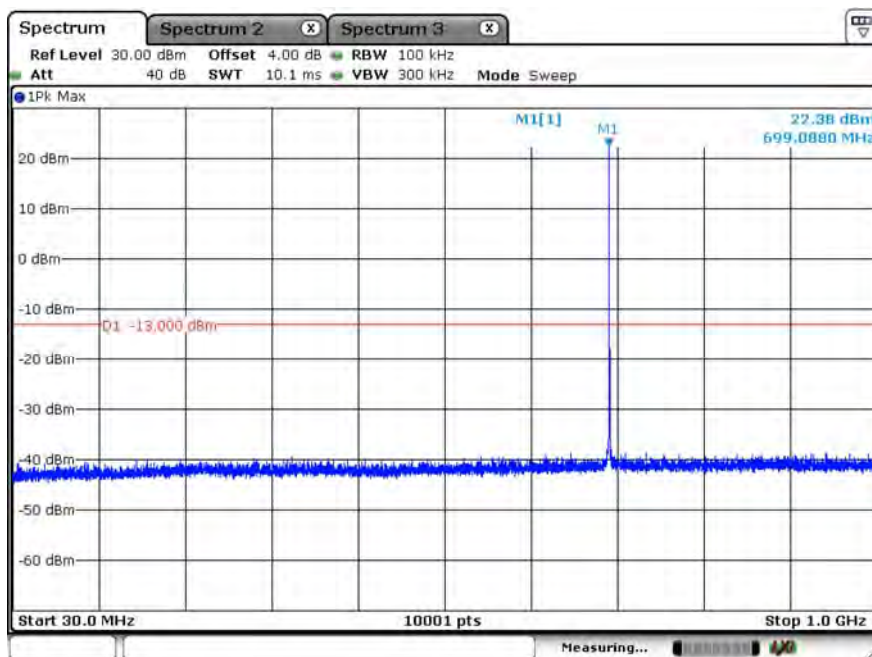
B5_15K_CH20648_QPSK_1RB0_TX_2



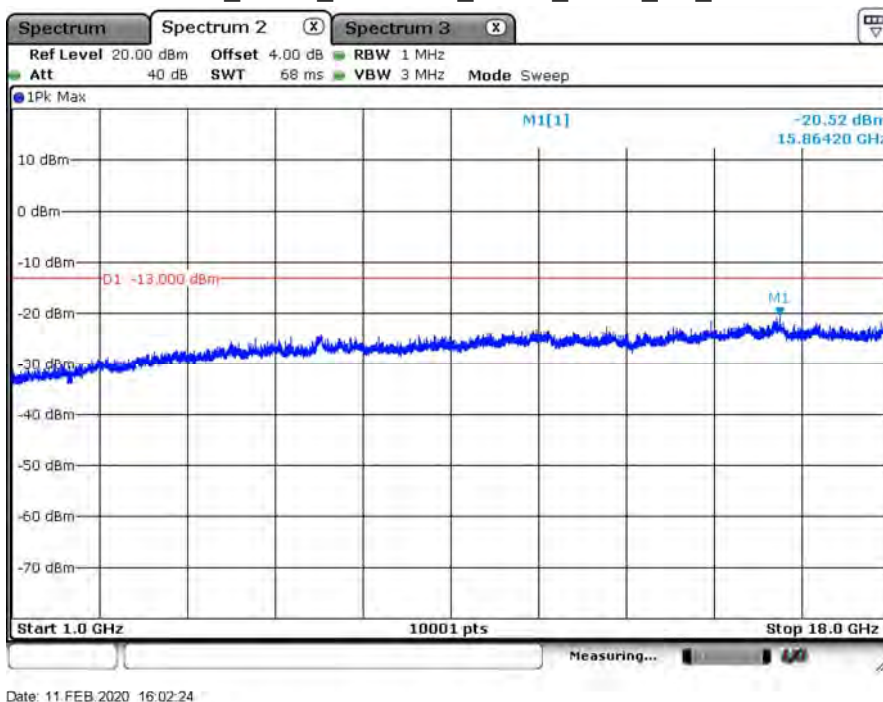
Date: 11.FEB.2020 14:42:18

Product	Module		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 4 : LTE NB-IoT_Band 12		
Date of Test	2020/02/11~2020/06/06	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	56.0

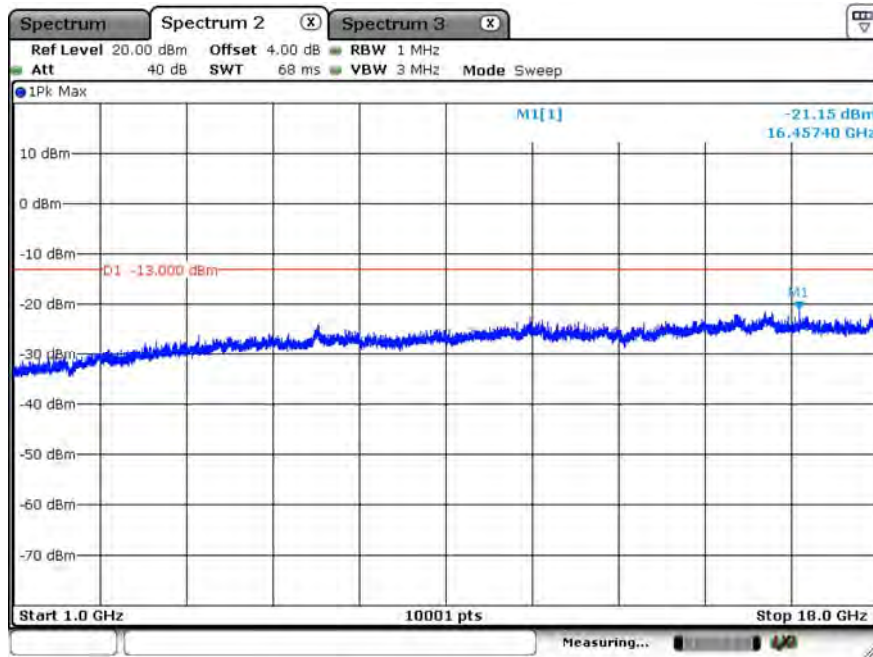
B12_3.75K_CH23012_BPSK_1RB0_TX_1



B12_3.75K_CH23012_BPSK_1RB0_TX_2

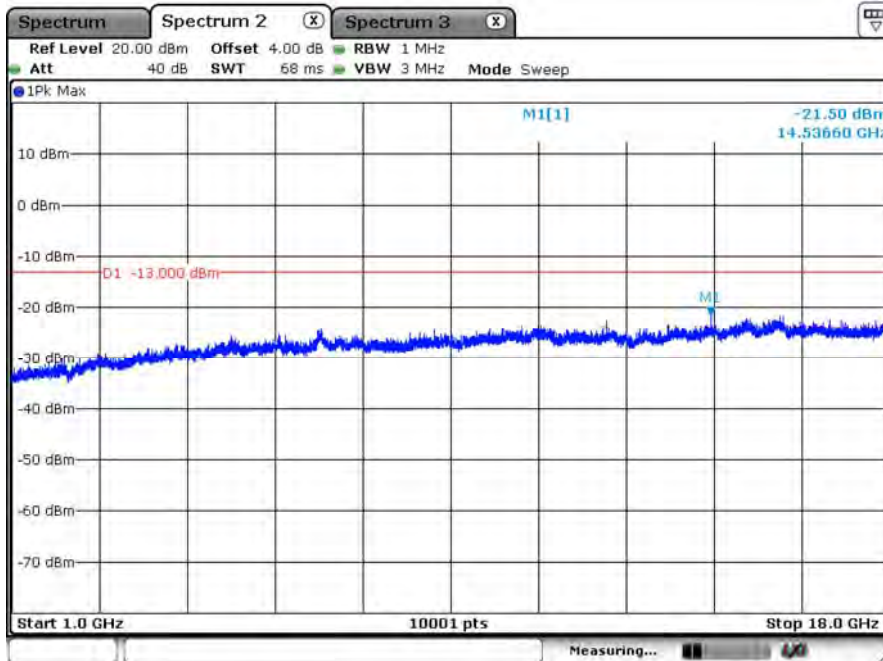


B12_3.75K_CH23012_QPSK_1RB0_TX_1



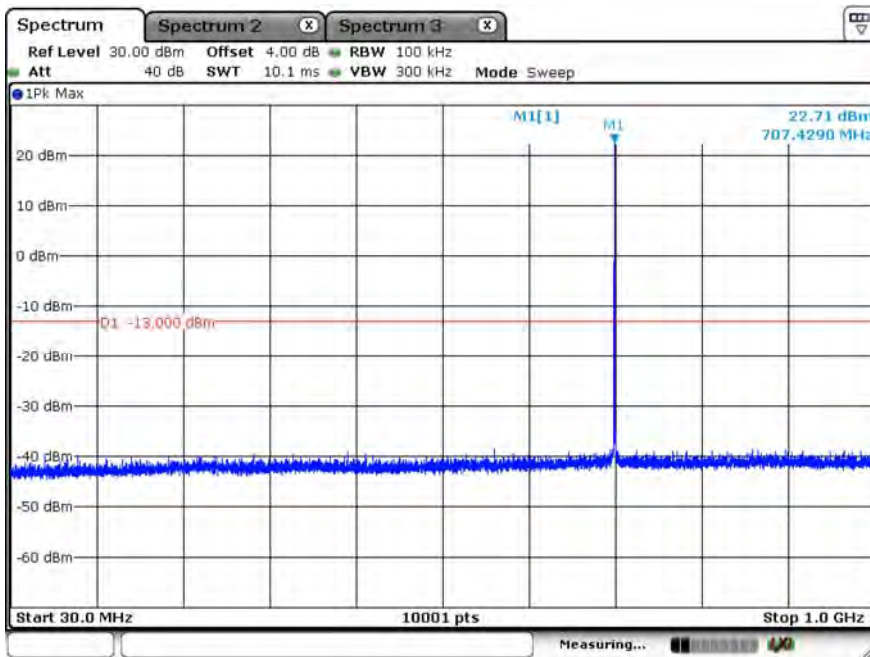
Date: 11.FEB.2020 15:52:06

B12_3.75K_CH23012_QPSK_1RB0_TX_2



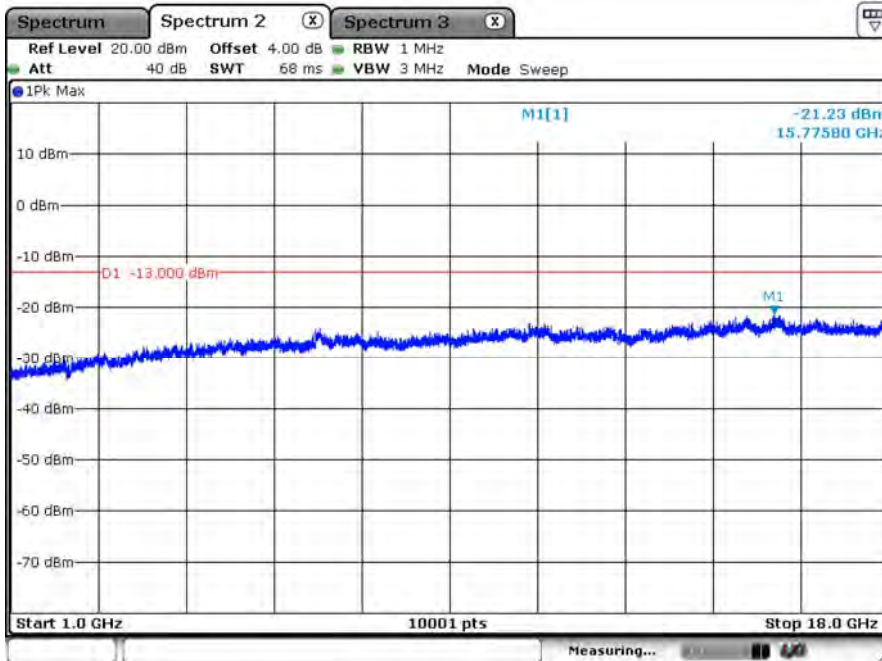
Date: 11.FEB.2020 15:58:18

B12_3.75K_CH23095_BPSK_1RB0_TX_1



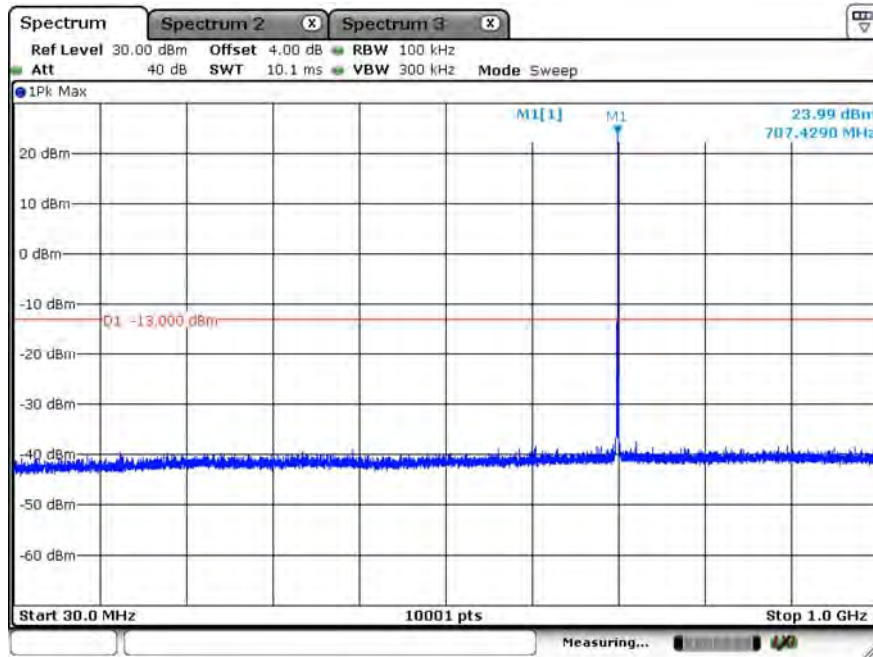
Date: 11.FEB.2020 15:44:38

B12_3.75K_CH23095_BPSK_1RB0_TX_2



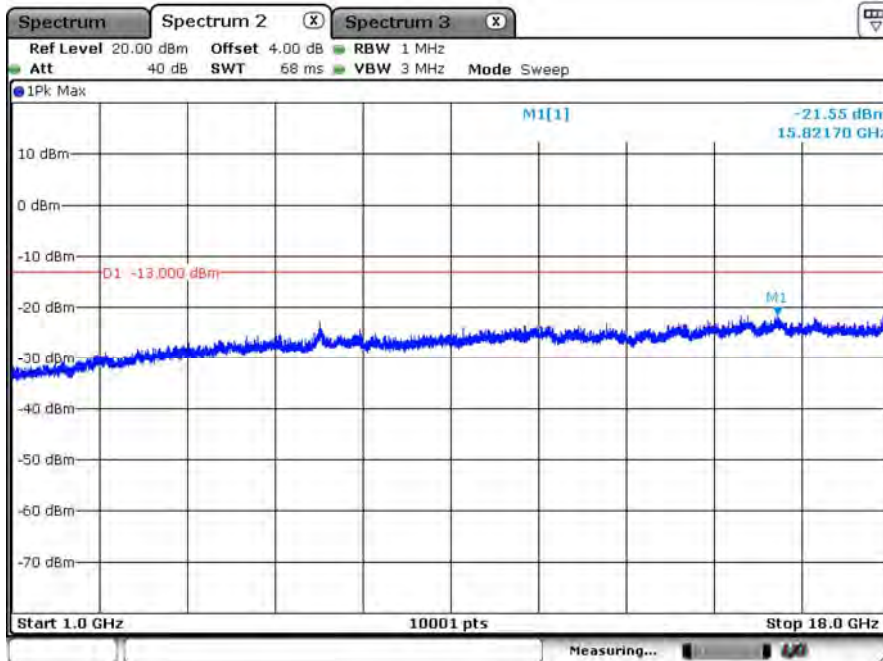
Date: 11.FEB.2020 15:43:17

B12_3.75K_CH23095_QPSK_1RB0_TX_1



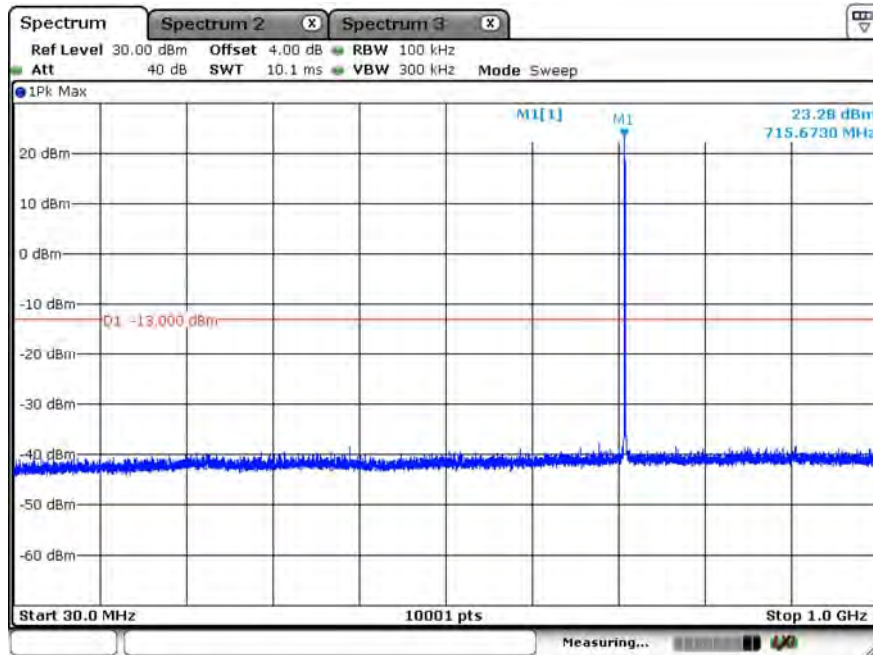
Date: 11.FEB.2020 15:47:31

B12_3.75K_CH23095_QPSK_1RB0_TX_2



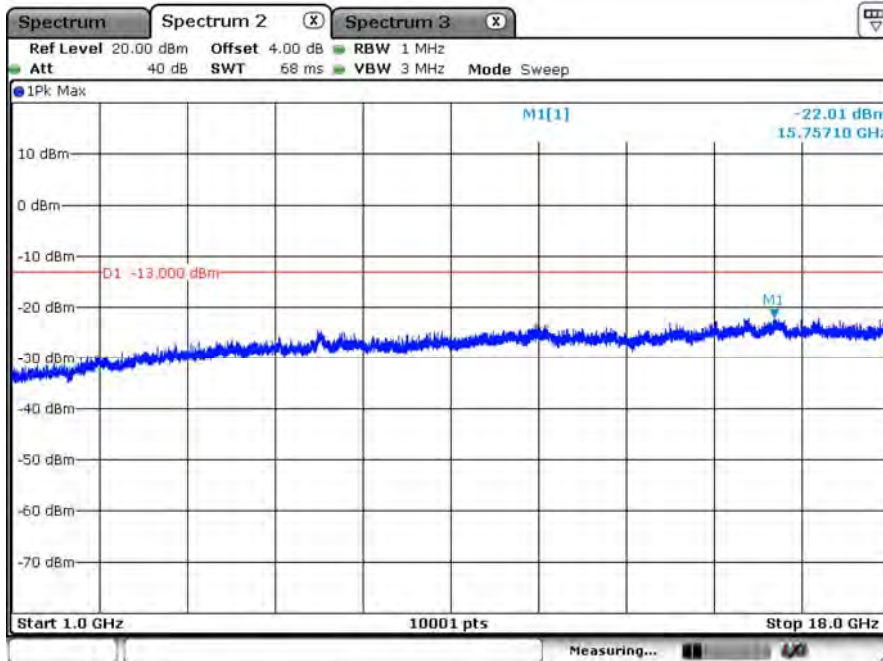
Date: 11.FEB.2020 15:50:08

B12_3.75K_CH23178_BPSK_1RB0_TX_1



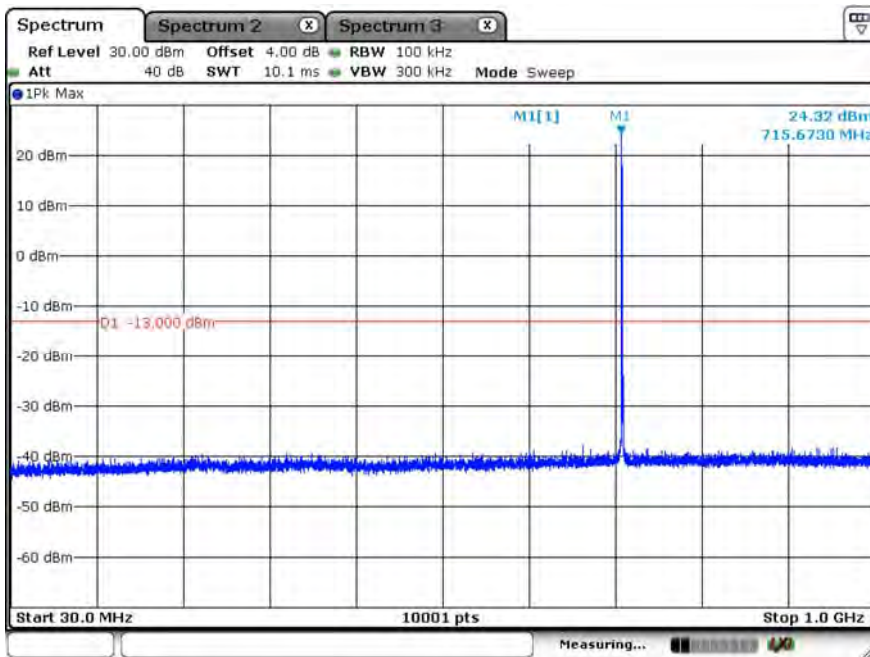
Date: 11.FEB.2020 15:38:13

B12_3.75K_CH23178_BPSK_1RB0_TX_2



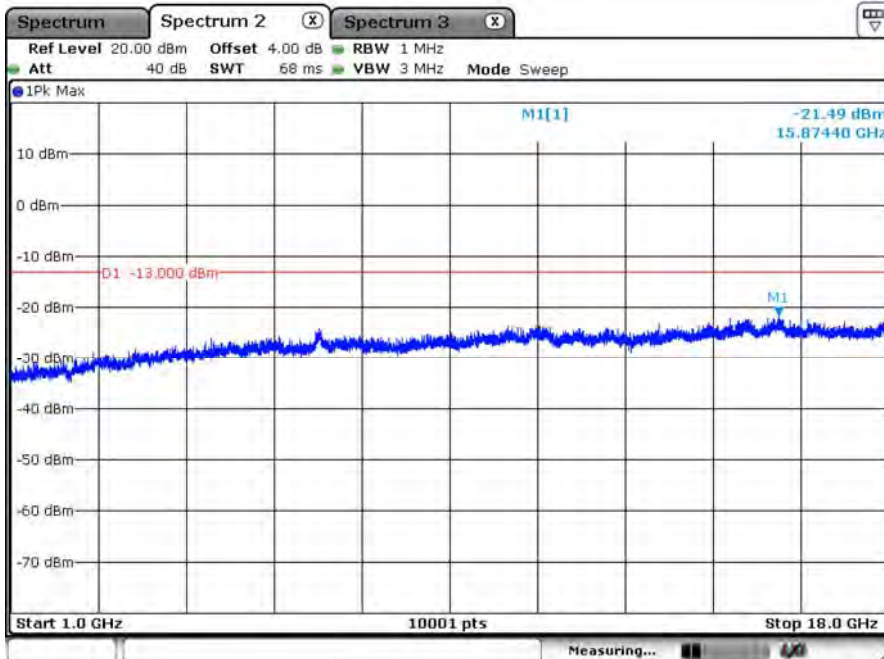
Date: 11.FEB.2020 15:39:21

B12_3.75K_CH23178_QPSK_1RB0_TX_1



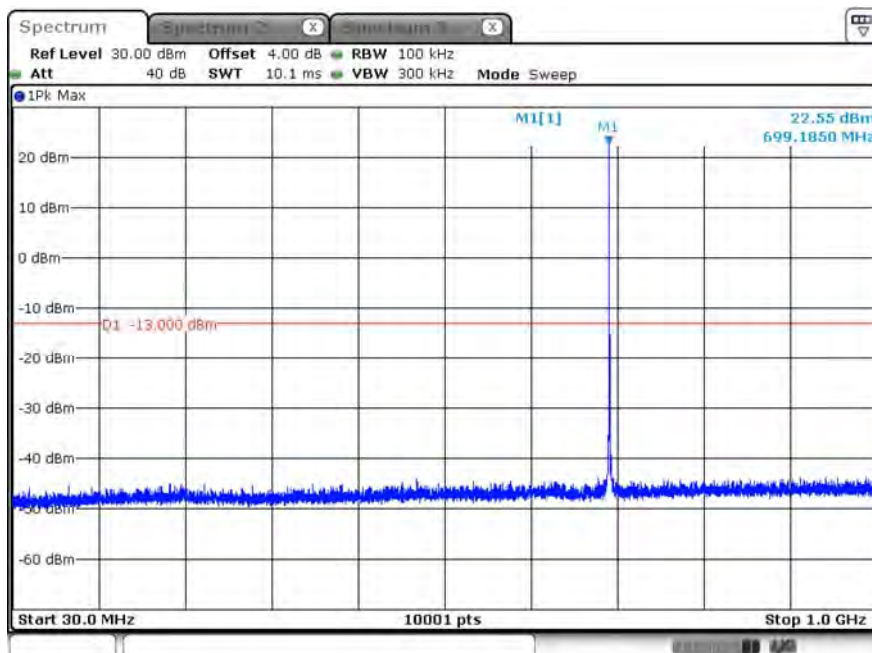
Date: 11.FEB.2020 15:36:26

B12_3.75K_CH23178_QPSK_1RB0_TX_2



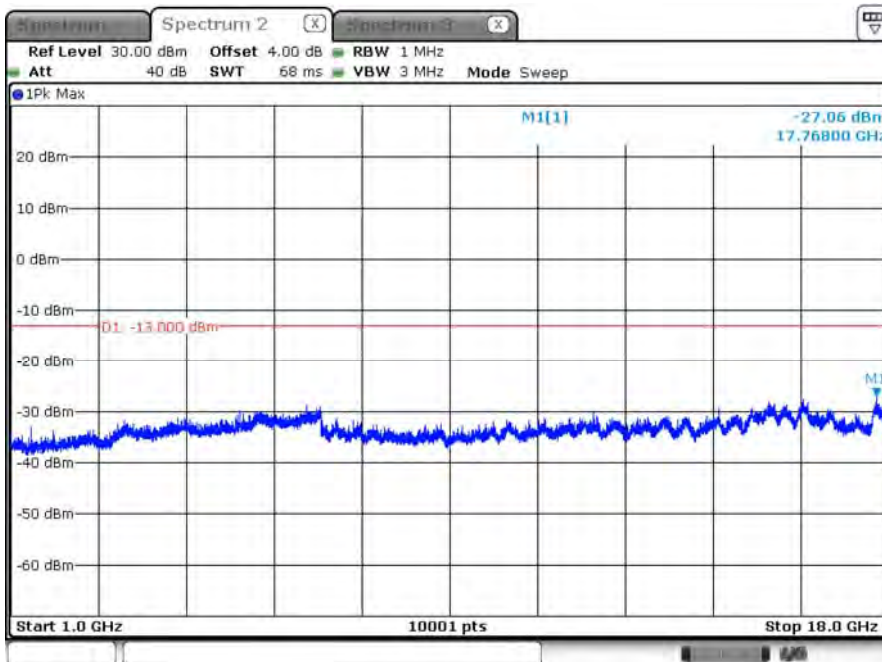
Date: 11.FEB.2020 15:34:35

B12_15K_CH23012_QPSK_1RB0_TX_1



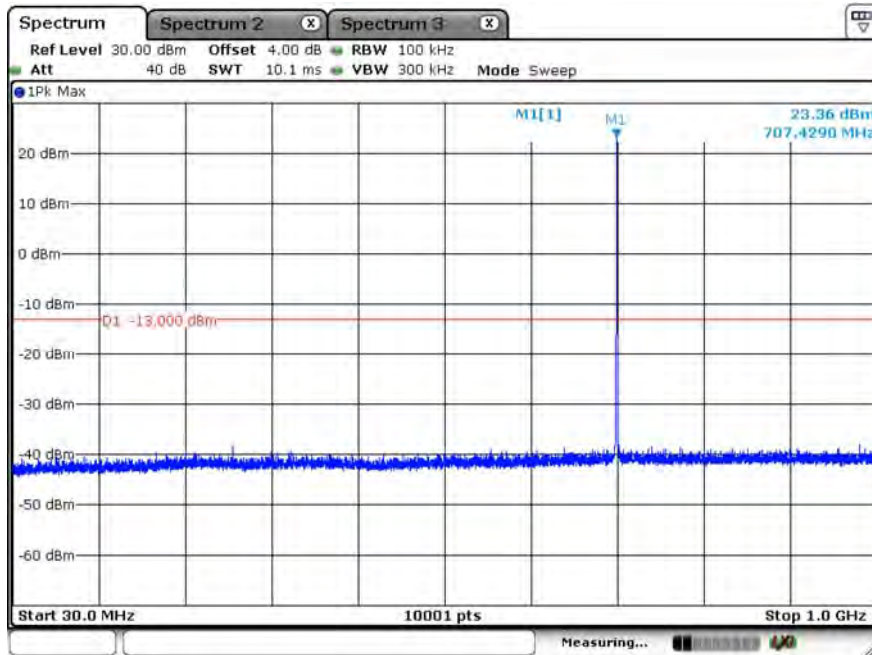
Date: 6.JUN.2020 04:43:57

B12_15K_CH23012_QPSK_1RB0_TX_2



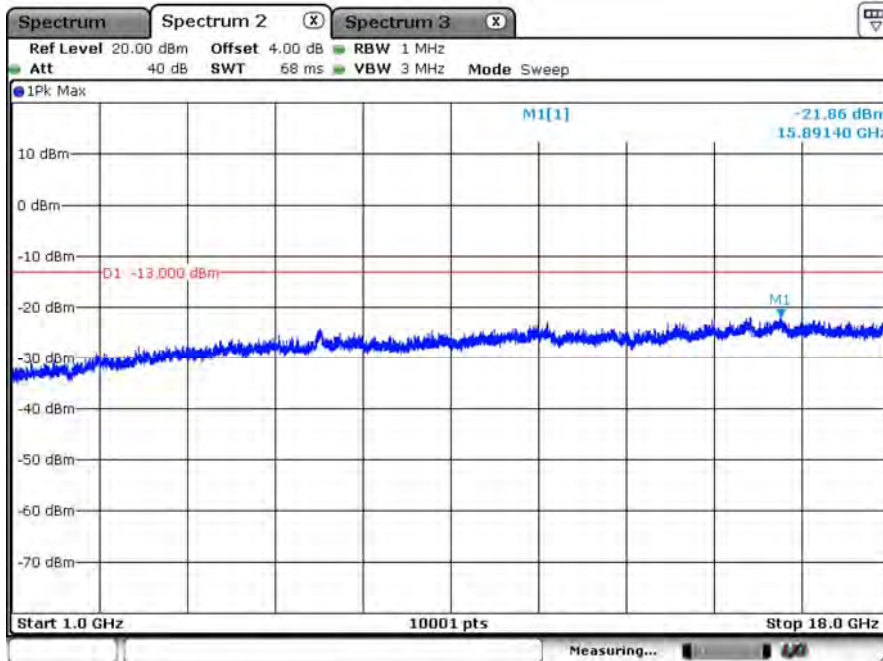
Date: 6.JUN.2020 04:43:10

B12_15K_CH23095_BPSK_1RB0_TX_1



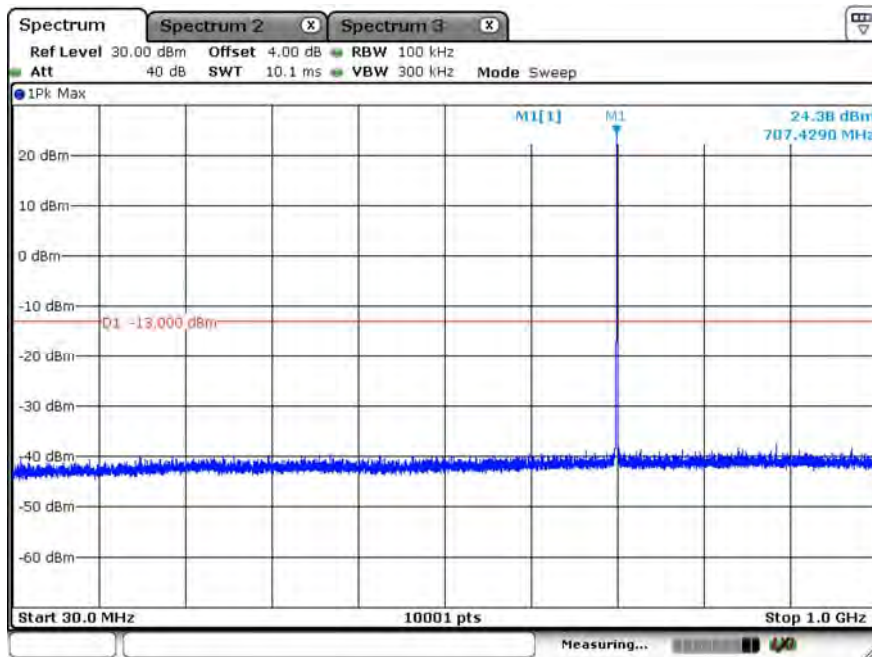
Date: 11.FEB.2020 15:23:36

B12_15K_CH23095_BPSK_1RB0_TX_2



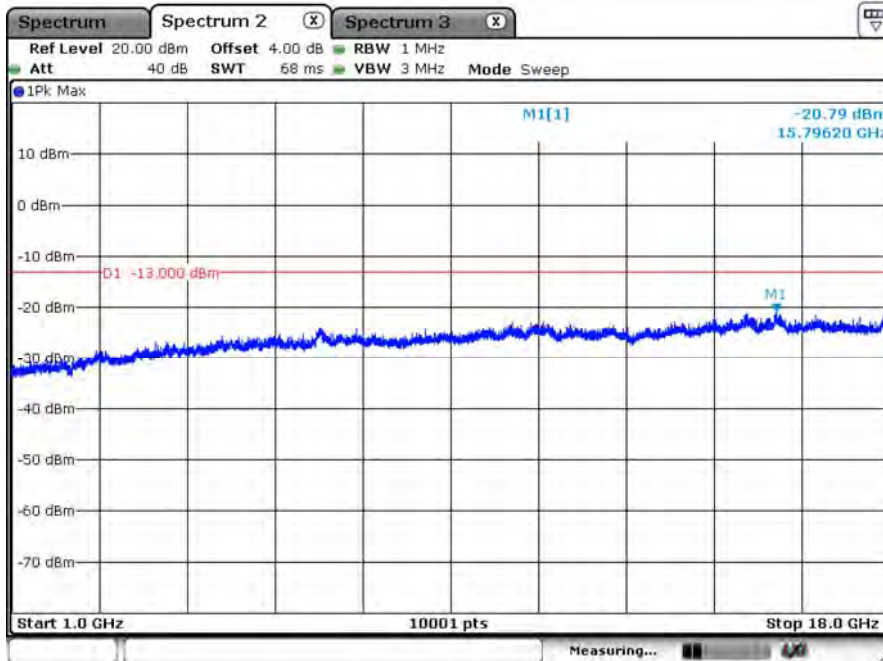
Date: 11.FEB.2020 15:25:07

B12_15K_CH23095_QPSK_1RB0_TX_1



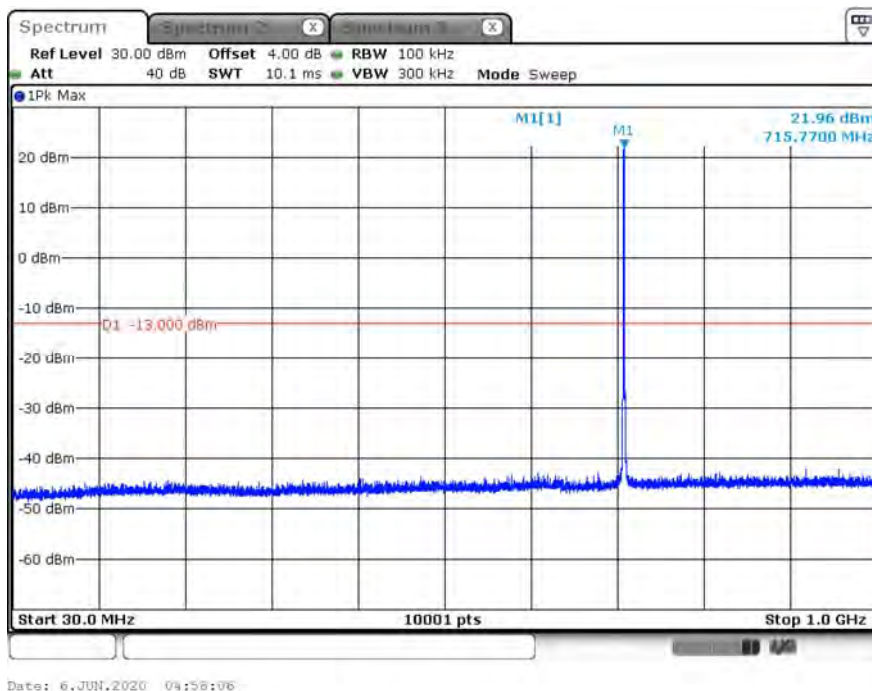
Date: 11.FEB.2020 15:21:33

B12_15K_CH23095_QPSK_1RB0_TX_2

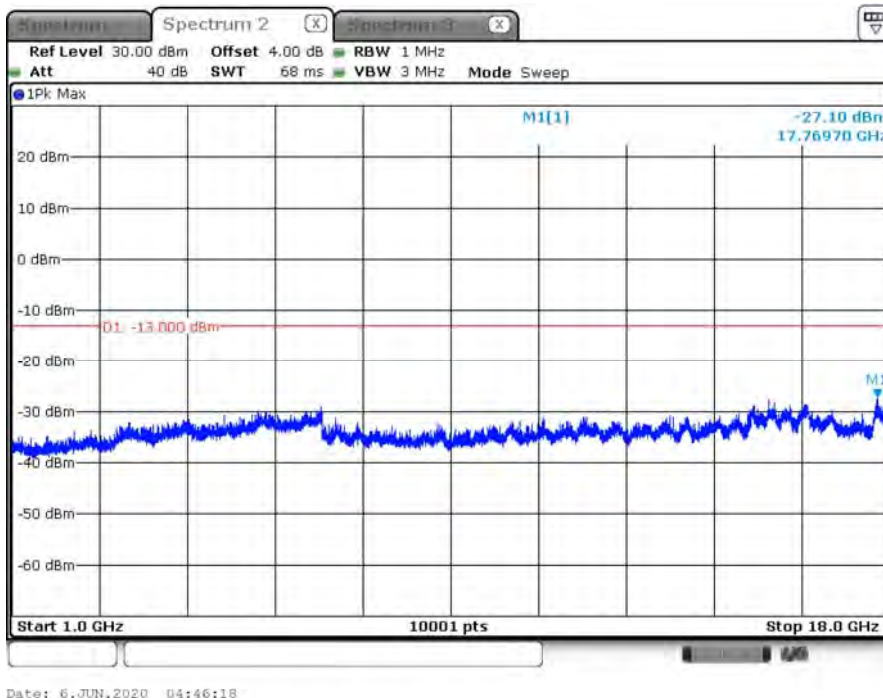


Date: 11.FEB.2020 15:20:15

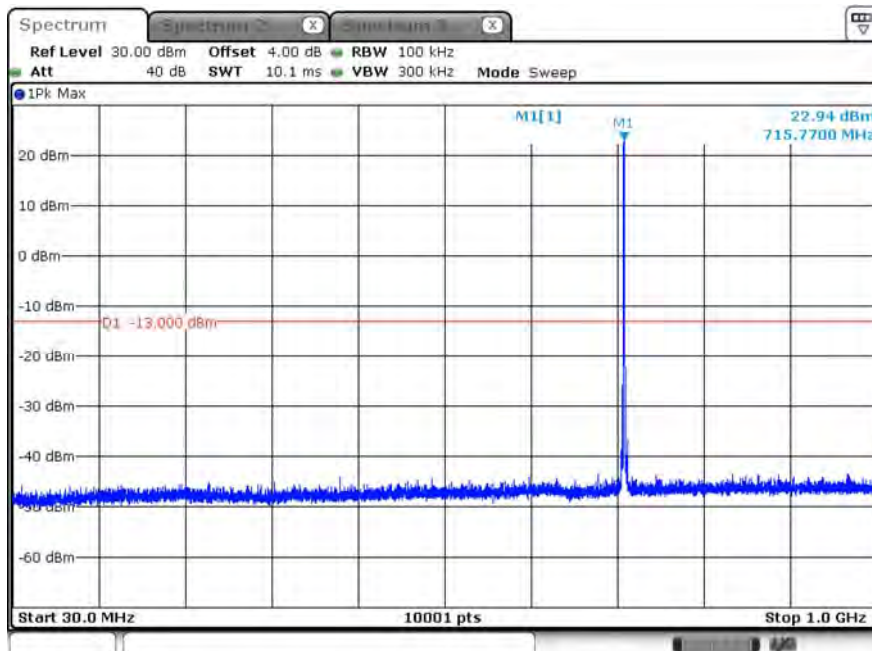
B12_15K_CH23178_BPSK_1RB0_TX_1



B12_15K_CH23178_BPSK_1RB0_TX_2

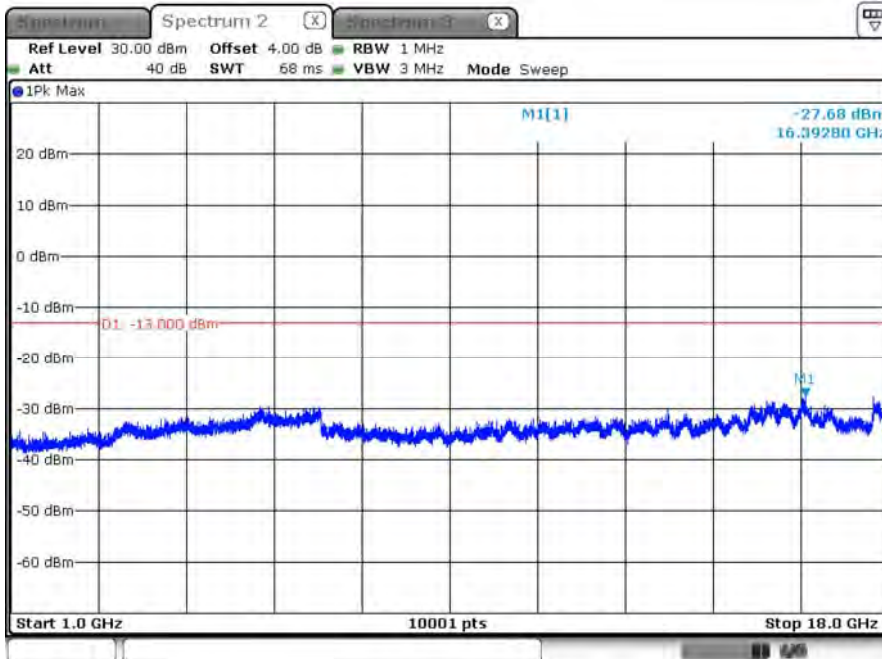


B12_15K_CH23178_QPSK_1RB0_TX_1



Date: 6.JUN.2020 04:44:50

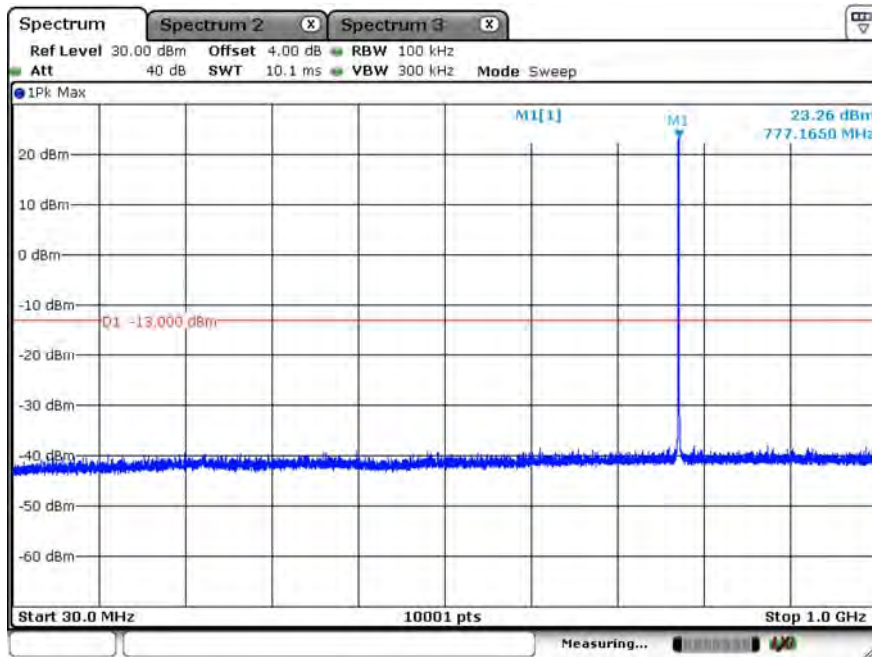
B12_15K_CH23178_QPSK_1RB0_TX_2



Date: 6.JUN.2020 04:45:40

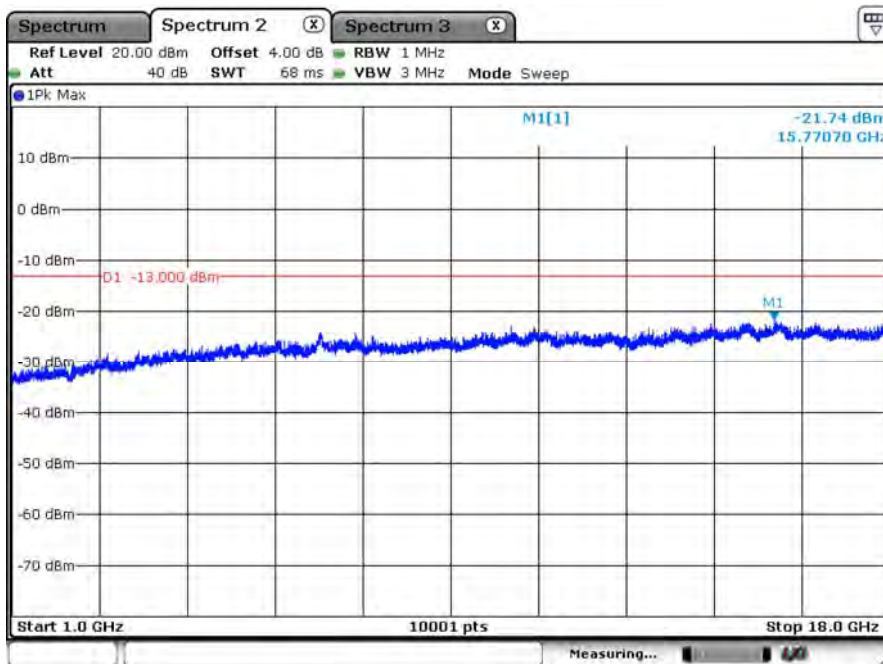
Product	Module		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 5 : LTE NB-IoT_Band 13		
Date of Test	2020/02/11	Test Site	SR12-H
Temperature (°C)	20.0	Humidity (%RH)	56.0

B13_3.75K_CH23182_BPSK_1RB0_TX_1



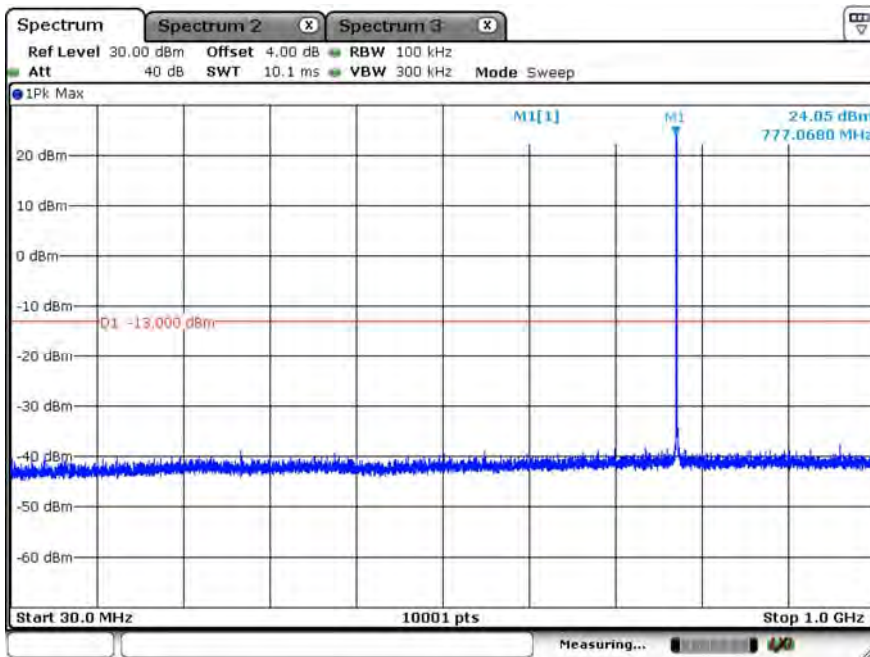
Date: 11.FEB.2020 16:06:48

B13_3.75K_CH23182_BPSK_1RB0_TX_2



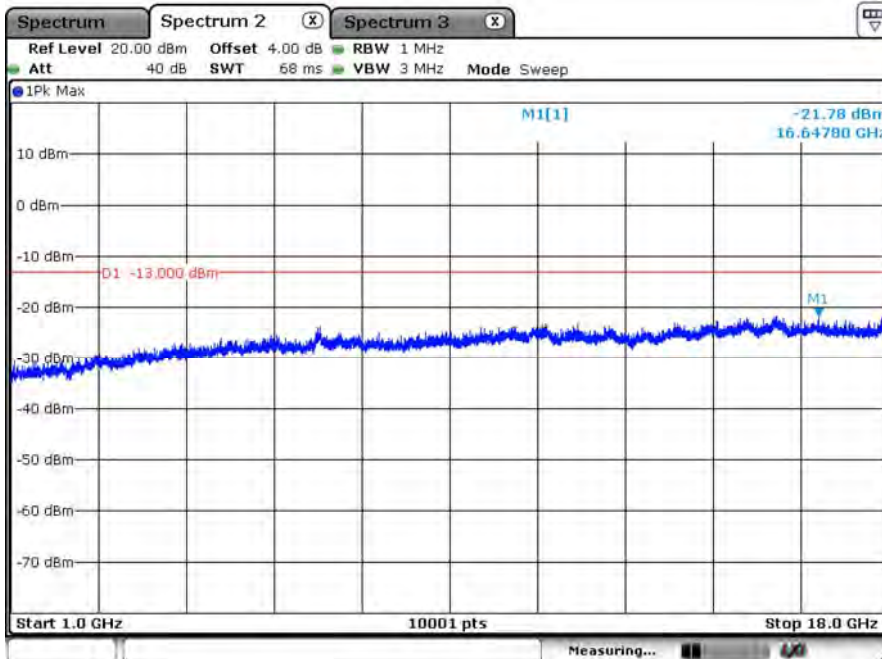
Date: 11.FEB.2020 16:09:48

B13_3.75K_CH23182_QPSK_1RB0_TX_1



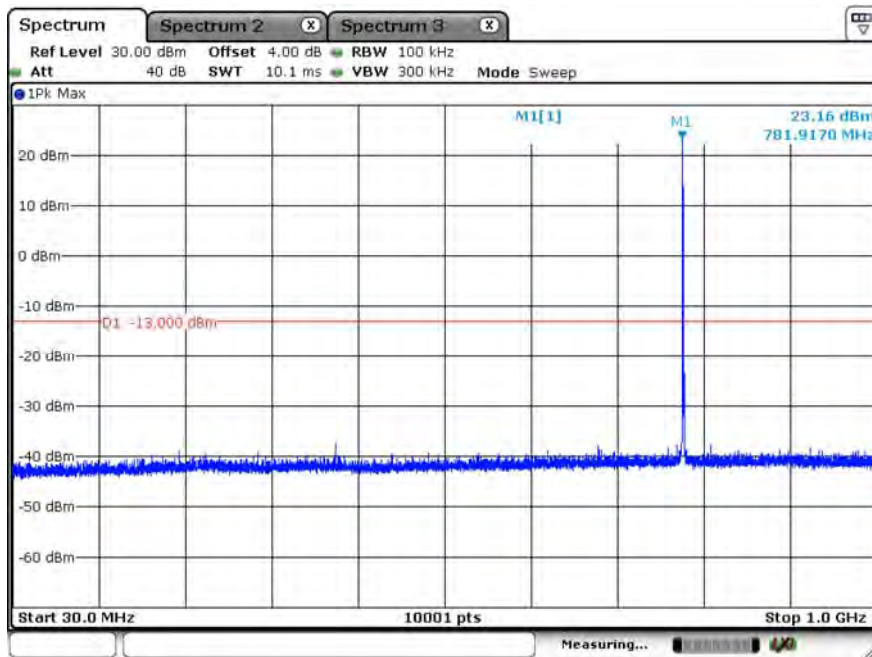
Date: 11.FEB.2020 16:13:04

B13_3.75K_CH23182_QPSK_1RB0_TX_2



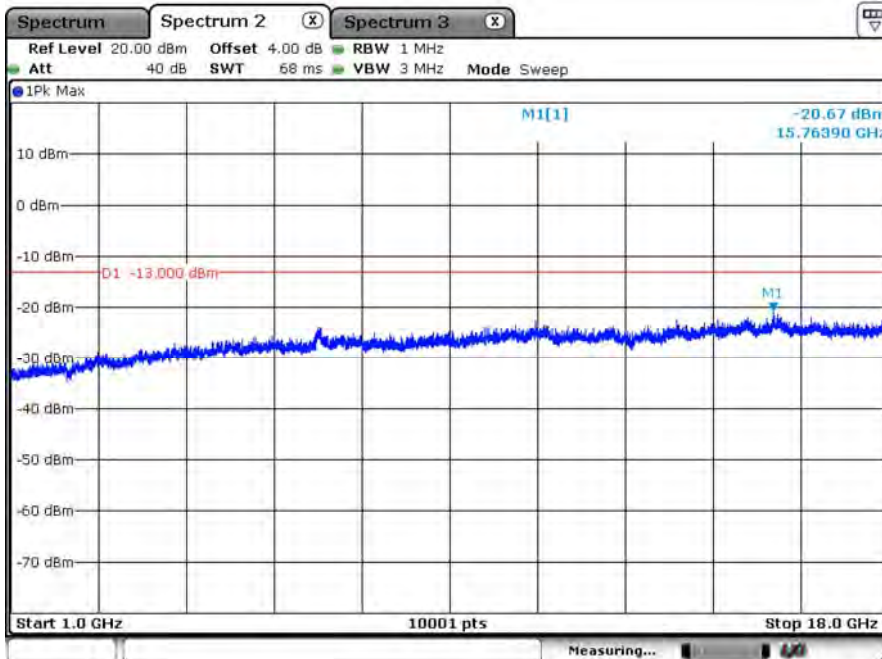
Date: 11.FEB.2020 16:12:00

B13_3.75K_CH23230_BPSK_1RB0_TX_1



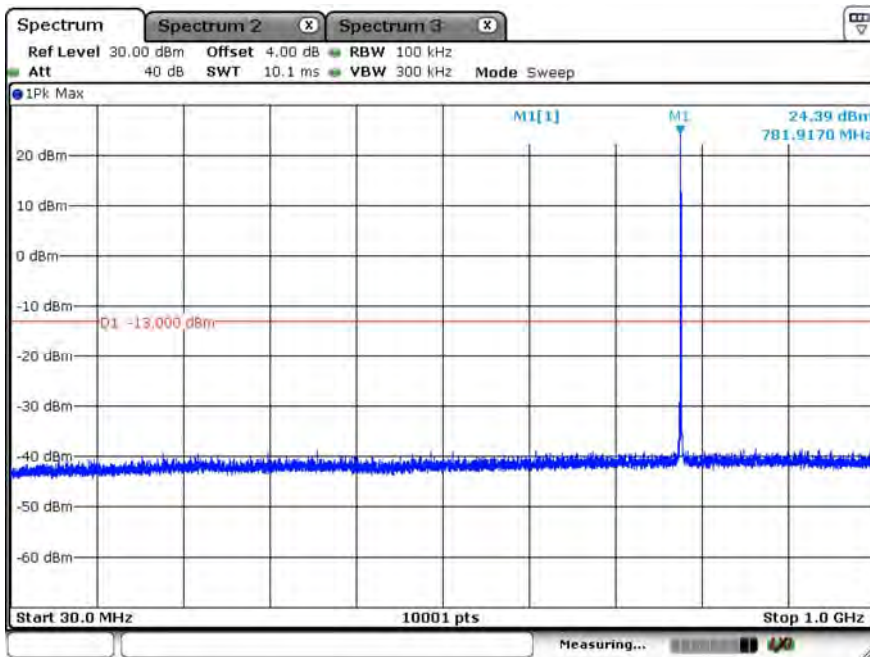
Date: 11.FEB.2020 16:22:02

B13_3.75K_CH23230_BPSK_1RB0_TX_2



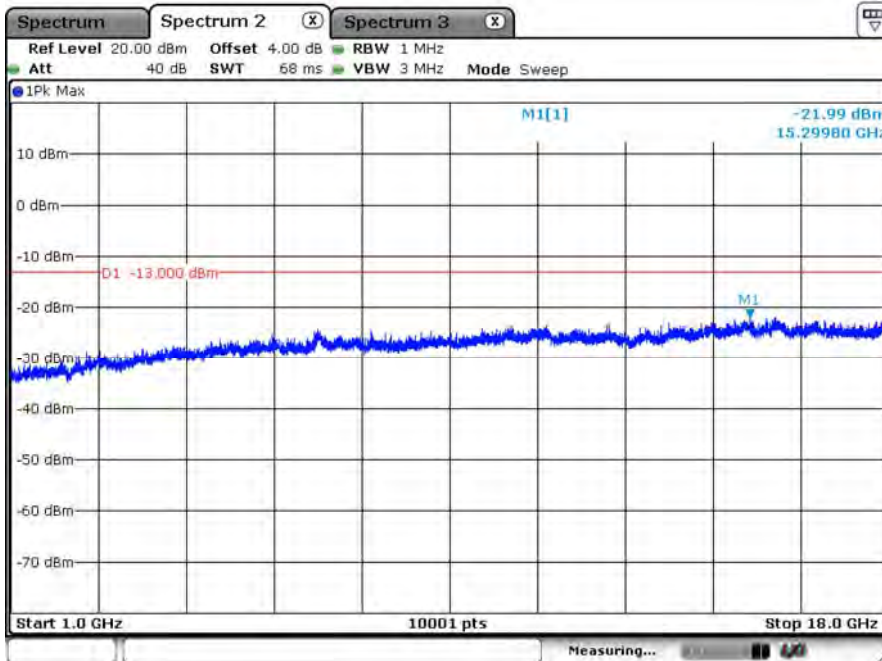
Date: 11.FEB.2020 16:20:33

B13_3.75K_CH23230_QPSK_1RB0_TX_1



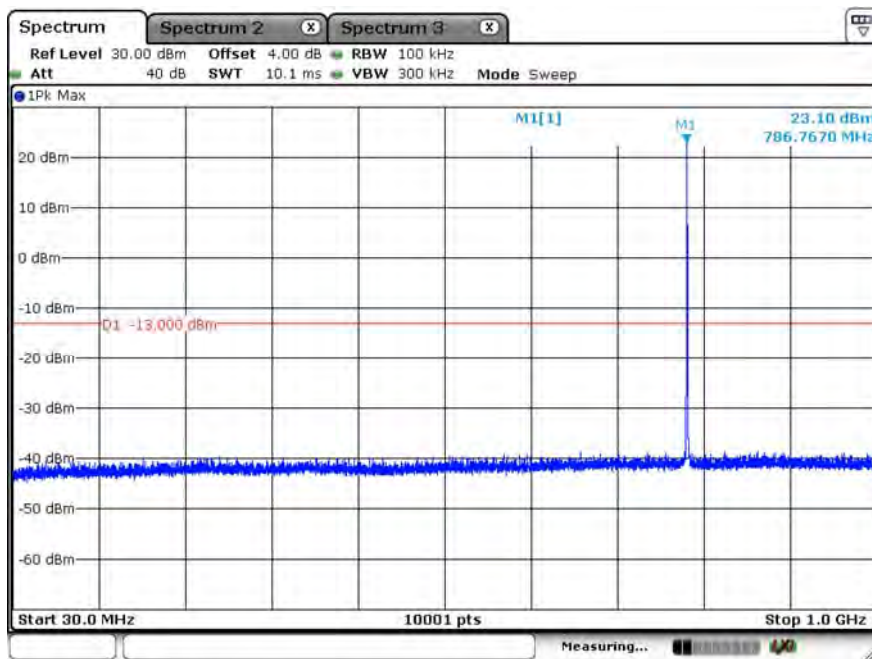
Date: 11.FEB.2020 16:16:31

B13_3.75K_CH23230_QPSK_1RB0_TX_2



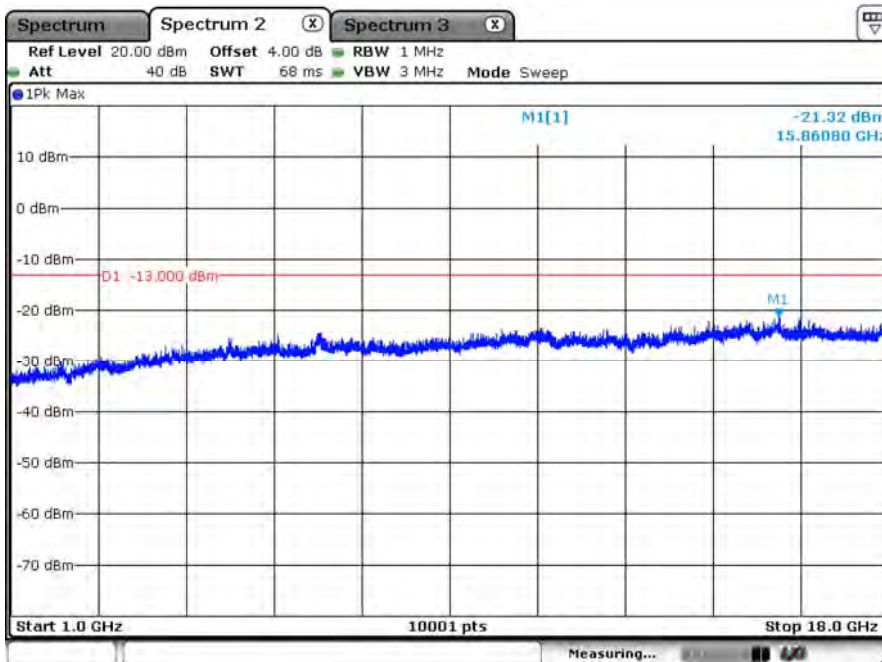
Date: 11.FEB.2020 16:18:10

B13_3.75K_CH23278_BPSK_1RB0_TX_1



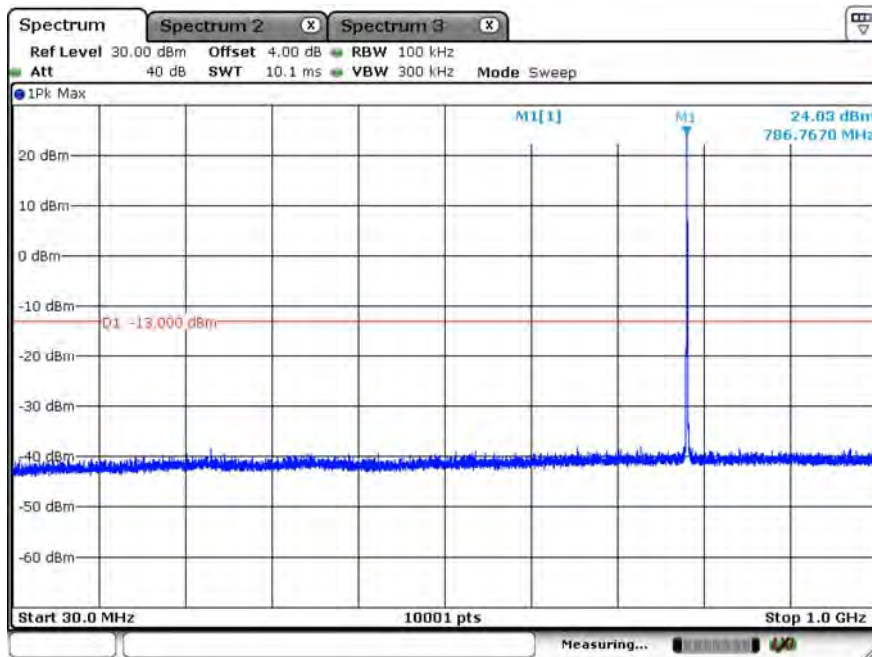
Date: 11.FEB.2020 16:30:32

B13_3.75K_CH23278_BPSK_1RB0_TX_2



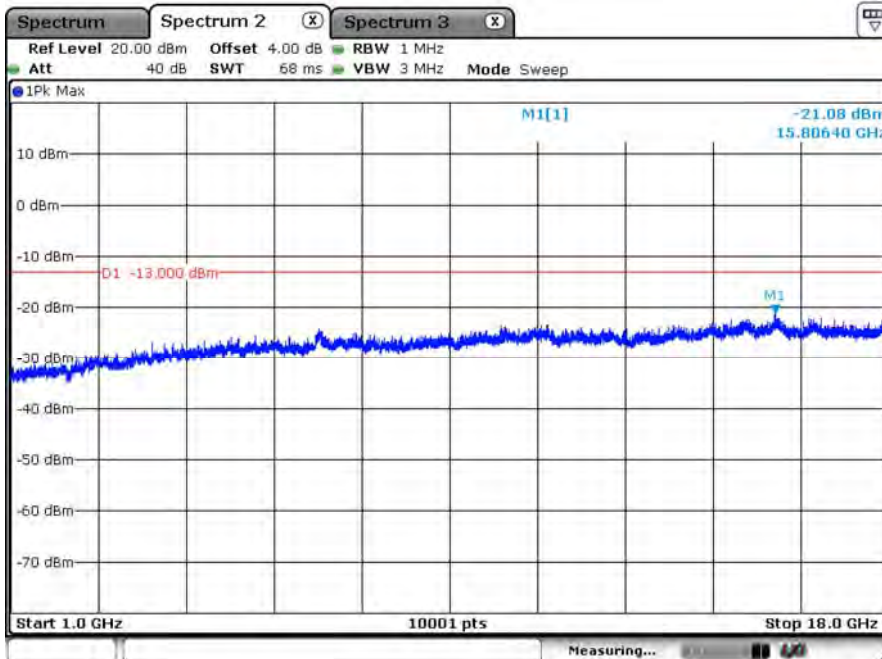
Date: 11.FEB.2020 16:32:16

B13_3.75K_CH23278_QPSK_1RB0_TX_1



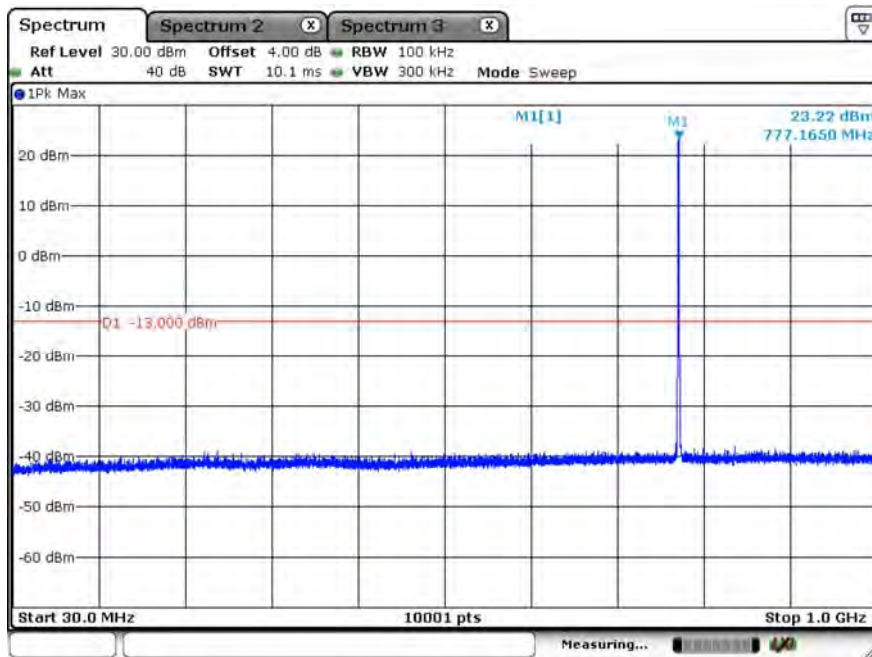
Date: 11.FEB.2020 16:36:53

B13_3.75K_CH23278_QPSK_1RB0_TX_2



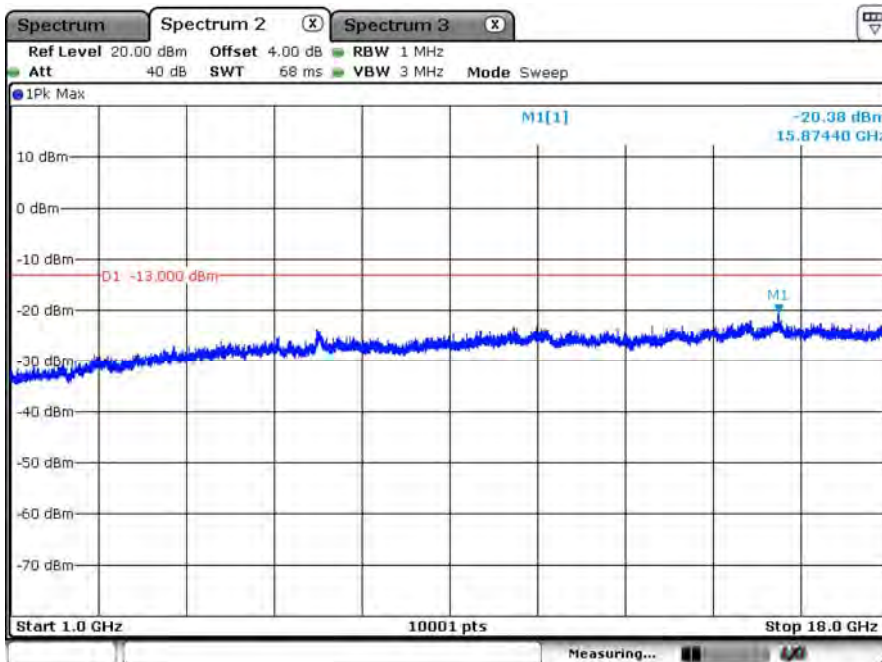
Date: 11.FEB.2020 16:33:58

B13_15K_CH23182_BPSK_1RB0_TX_1



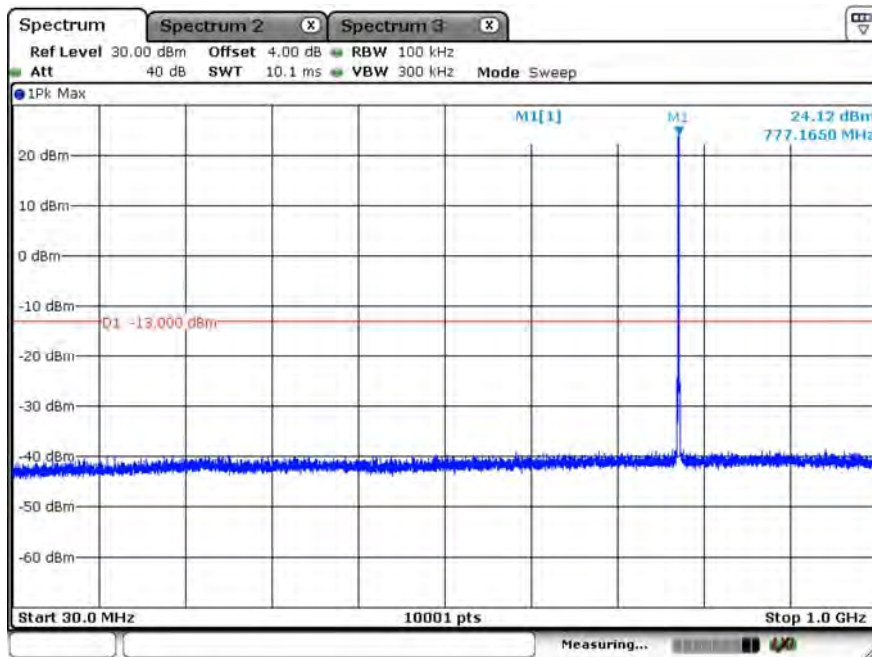
Date: 11.FEB.2020 16:59:11

B13_15K_CH23182_BPSK_1RB0_TX_2



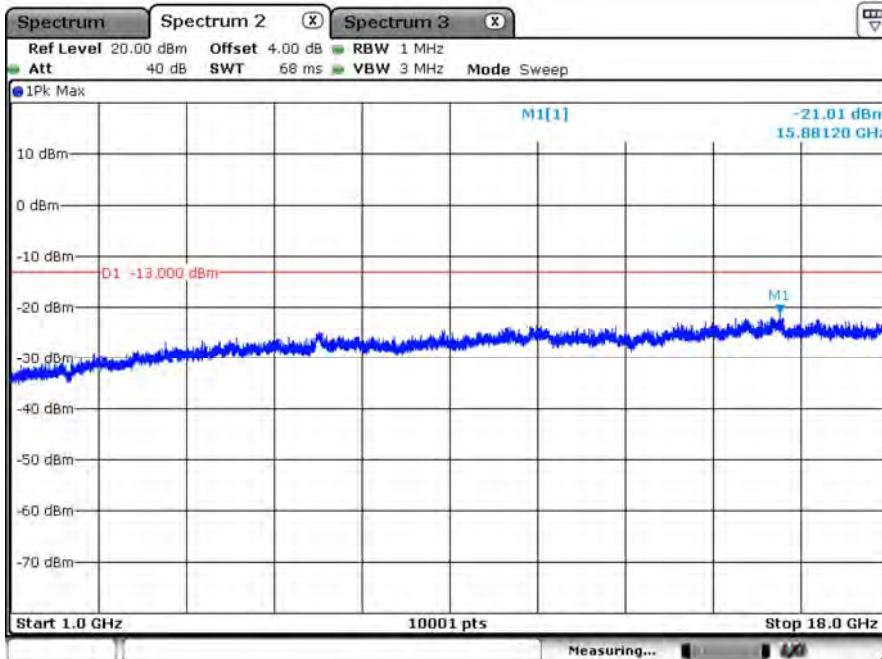
Date: 11.FEB.2020 16:54:12

B13_15K_CH23182_QPSK_1RB0_TX_1



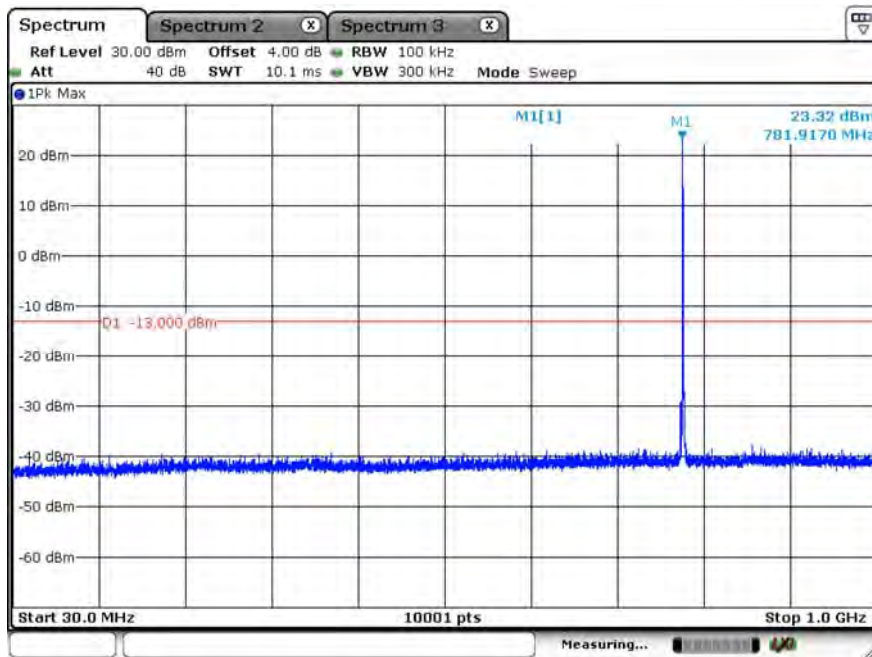
Date: 11.FEB.2020 16:50:47

B13_15K_CH23182_QPSK_1RB0_TX_2



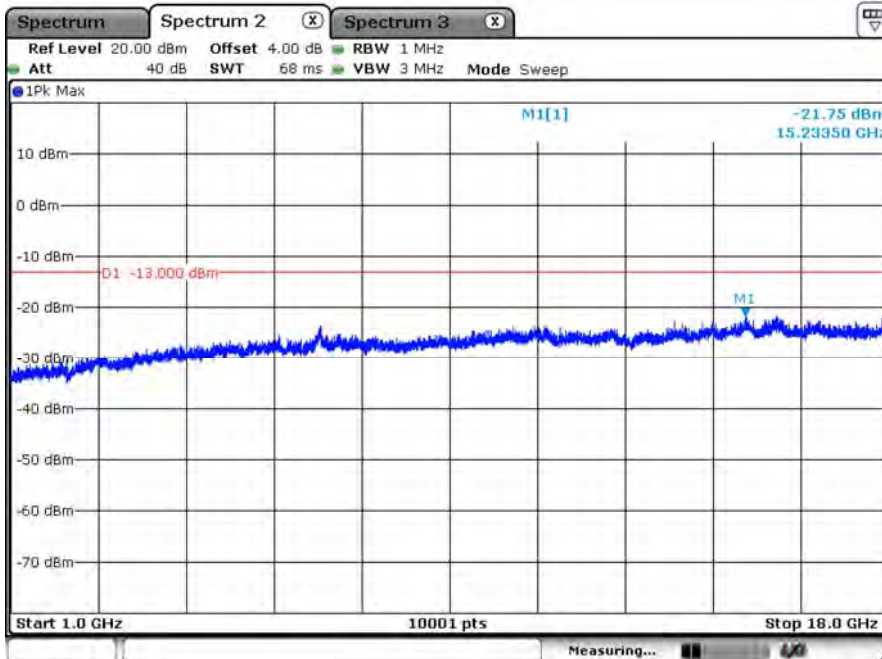
Date: 11.FEB.2020 16:52:02

B13_15K_CH23230_BPSK_1RB0_TX_1



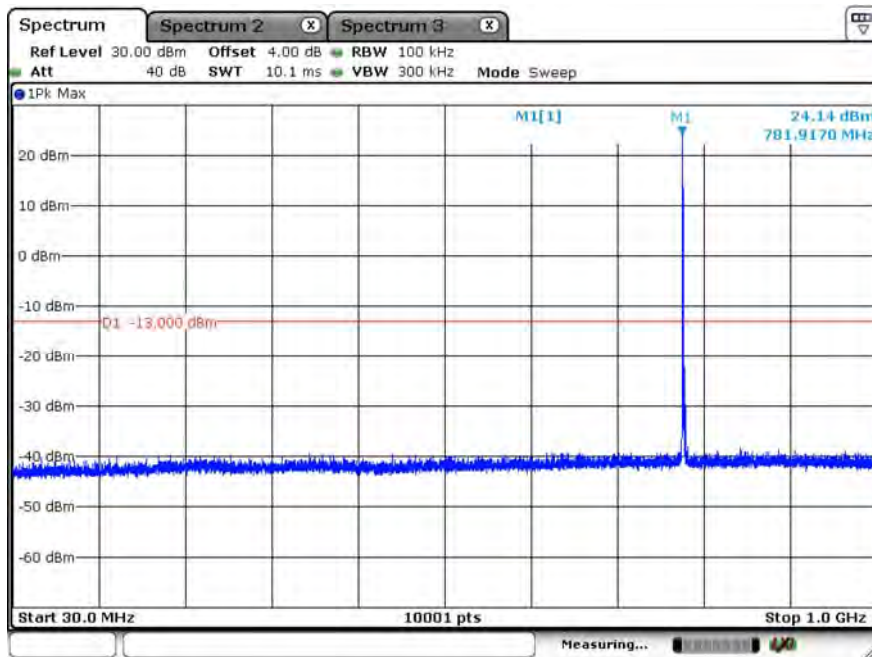
Date: 11.FEB.2020 16:44:41

B13_15K_CH23230_BPSK_1RB0_TX_2



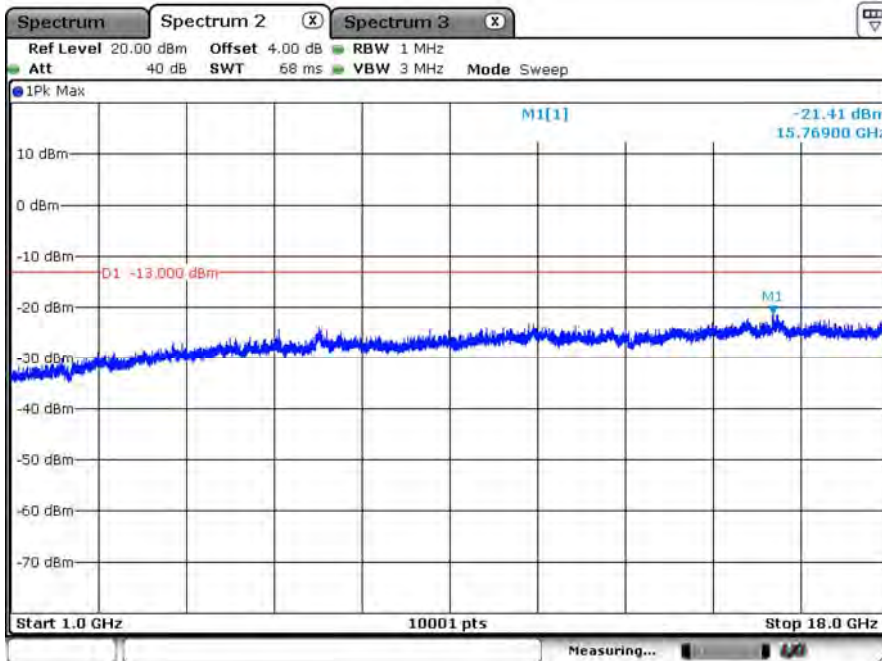
Date: 11 FEB 2020 16:46:04

B13_15K_CH23230_QPSK_1RB0_TX_1



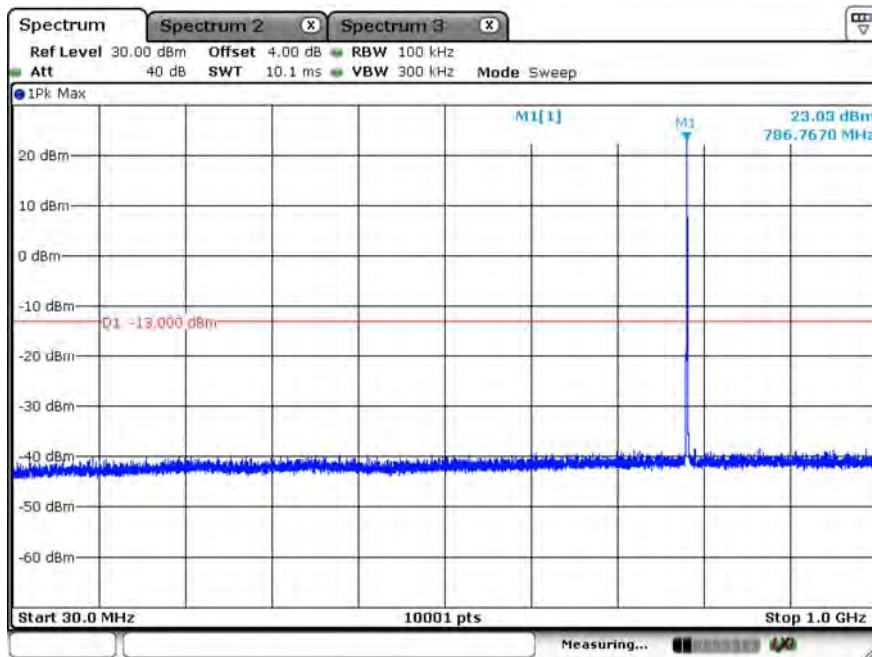
Date: 11.FEB.2020 16:48:58

B13_15K_CH23230_QPSK_1RB0_TX_2



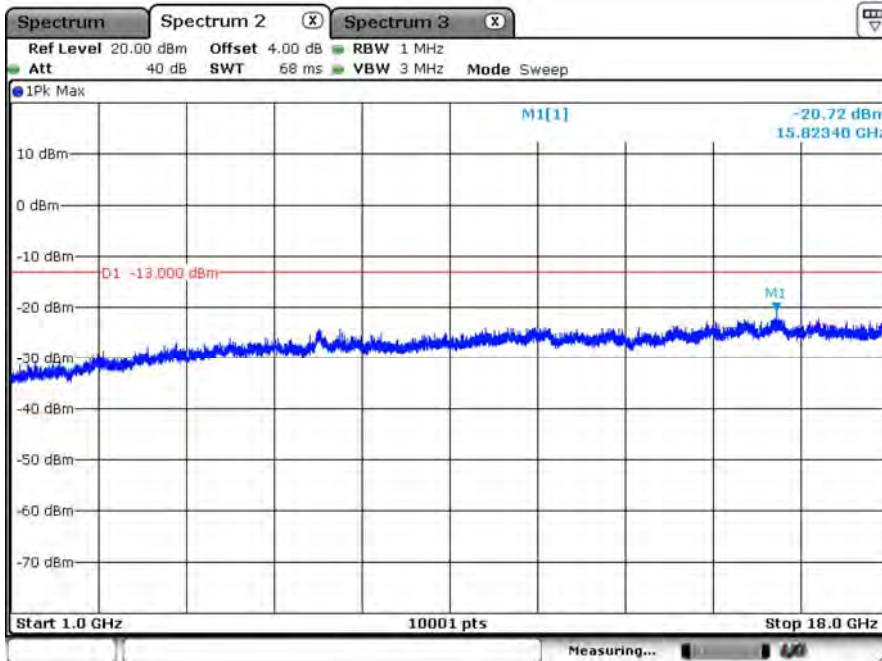
Date: 11.FEB.2020 16:47:37

B13_15K_CH23278_BPSK_1RB0_TX_1



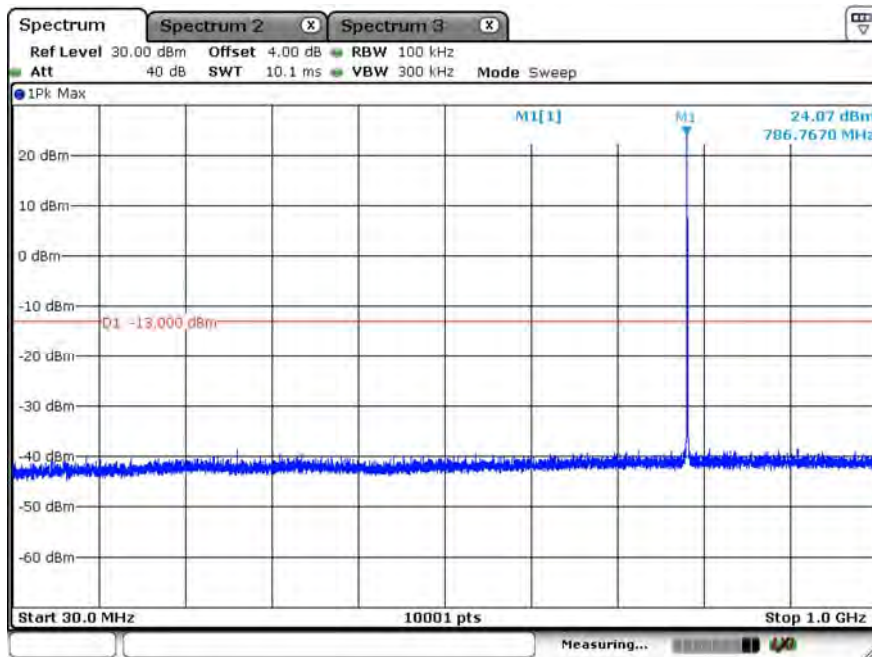
Date: 11.FEB.2020 16:42:54

B13_15K_CH23278_BPSK_1RB0_TX_2



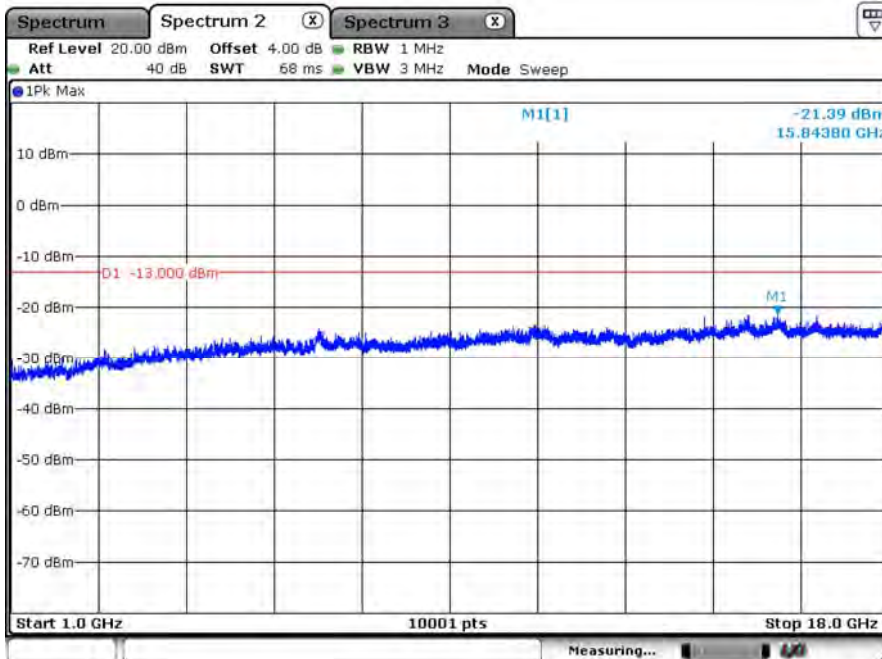
Date: 11.FEB.2020 16:41:42

B13_15K_CH23278_QPSK_1RB0_TX_1



Date: 11.FEB.2020 16:38:51

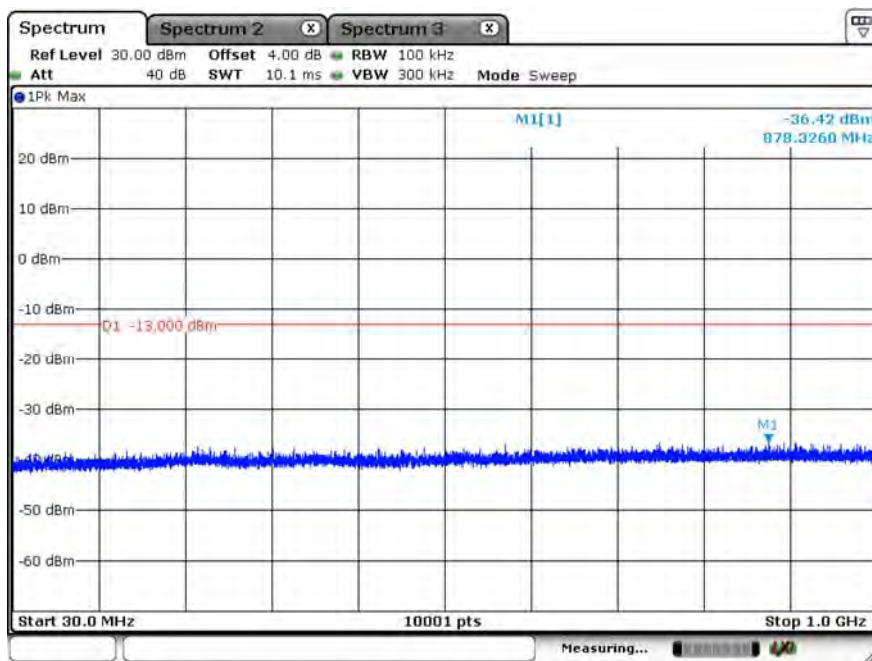
B13_15K_CH23278_QPSK_1RB0_TX_2



Date: 11 FEB 2020 16:40:28

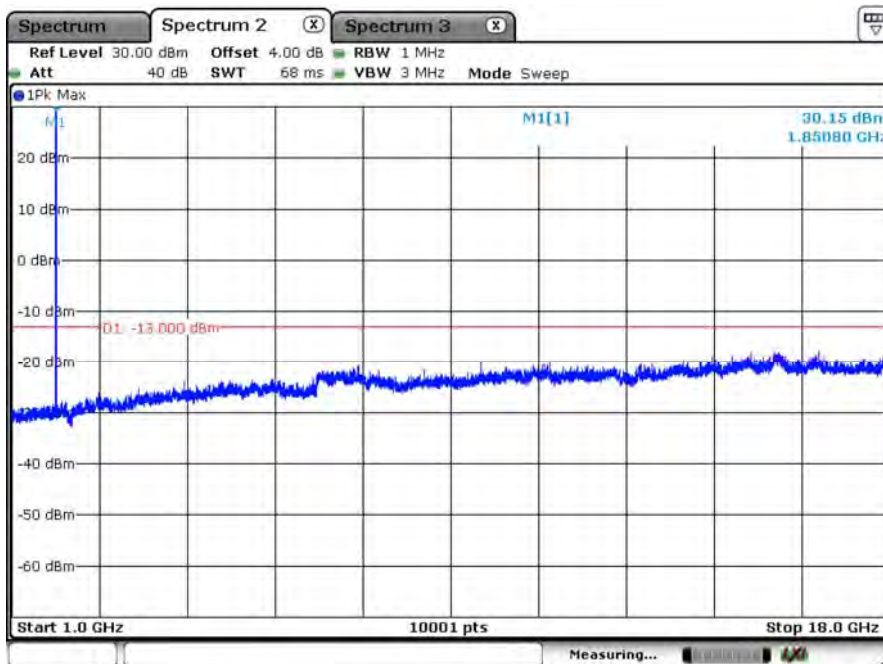
Product	Module		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 6 : LTE NB-IoT_Band 25		
Date of Test	2020/02/12	Test Site	SR12-H
Temperature (°C)	20	Humidity (%RH)	56

B25_3.75K_CH26042_BPSK_1RB0_TX_1



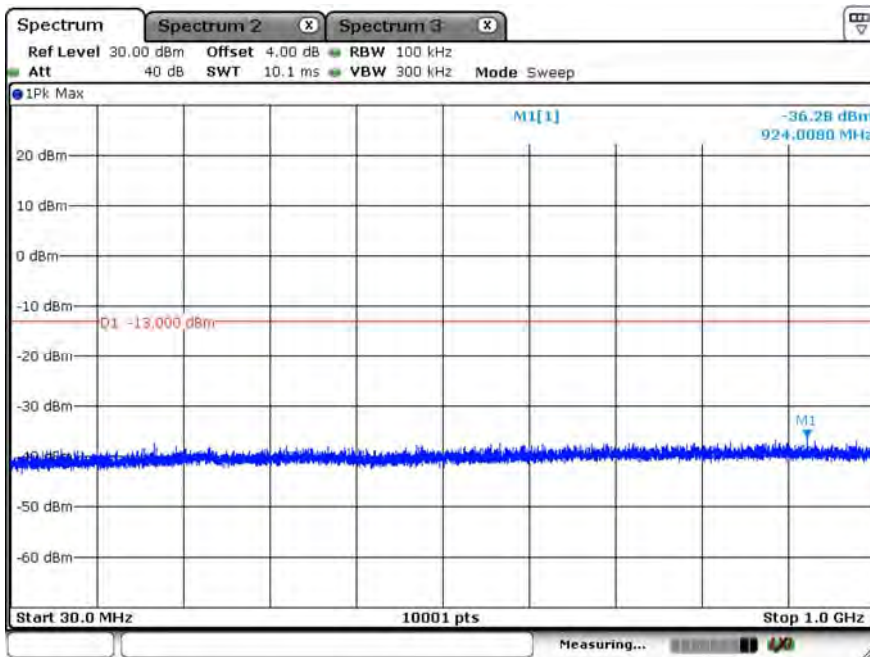
Date: 12.FEB.2020 15:23:40

B25_3.75K_CH26042_BPSK_1RB0_TX_2



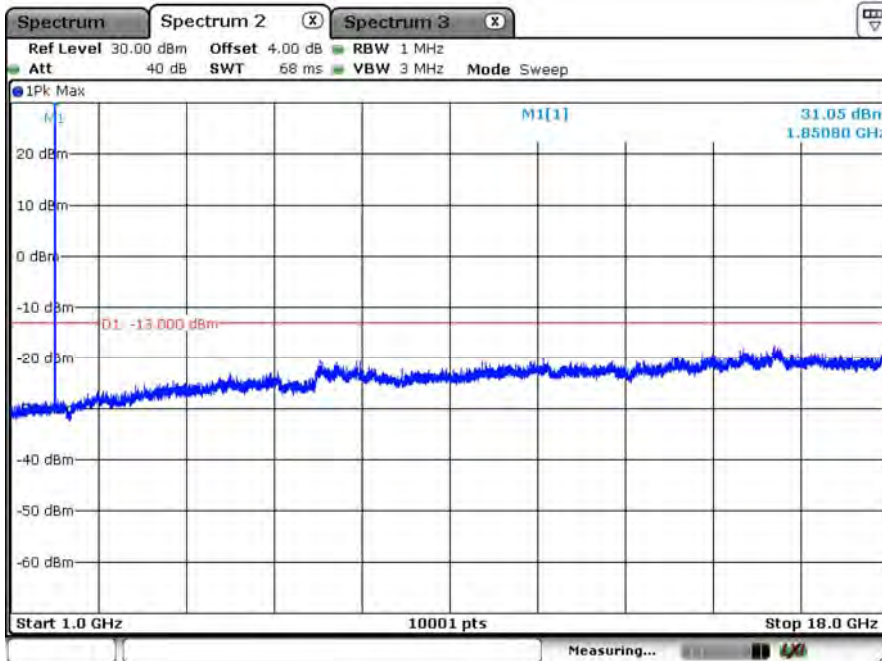
Date: 12.FEB.2020 15:24:48

B25_3.75K_CH26042_QPSK_1RB0_TX_1



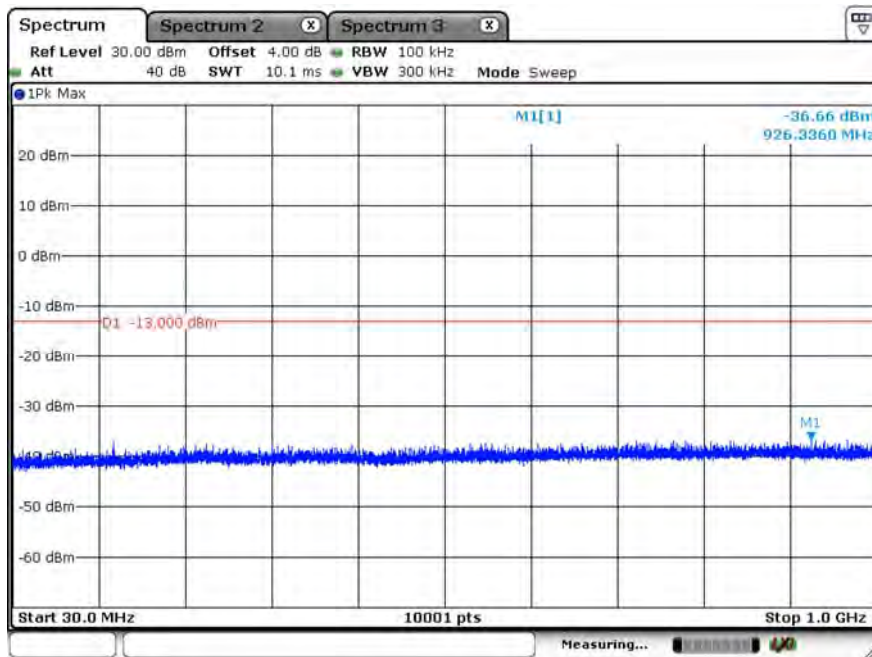
Date: 12.FEB.2020 15:27:06

B25_3.75K_CH26042_QPSK_1RB0_TX_2



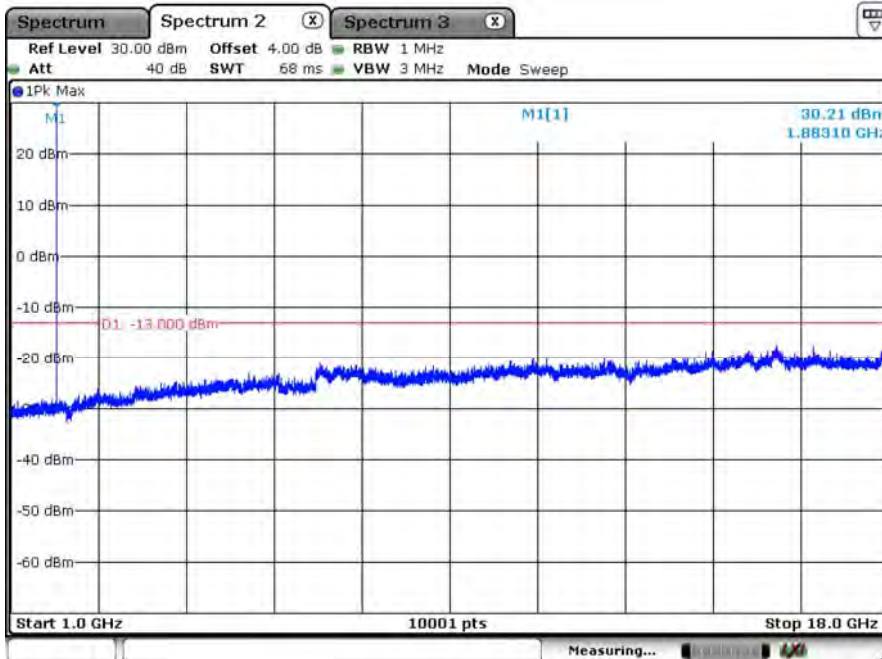
Date: 12 FEB 2020 15:26:19

B25_3.75K_CH26365_BPSK_1RB0_TX_1



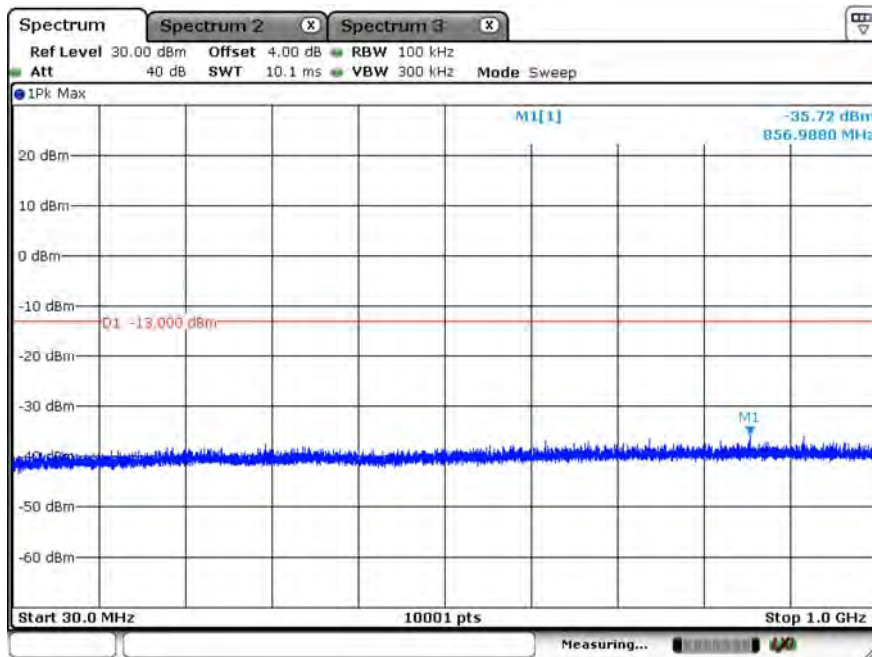
Date: 12.FEB.2020 15:31:42

B25_3.75K_CH26365_BPSK_1RB0_TX_2



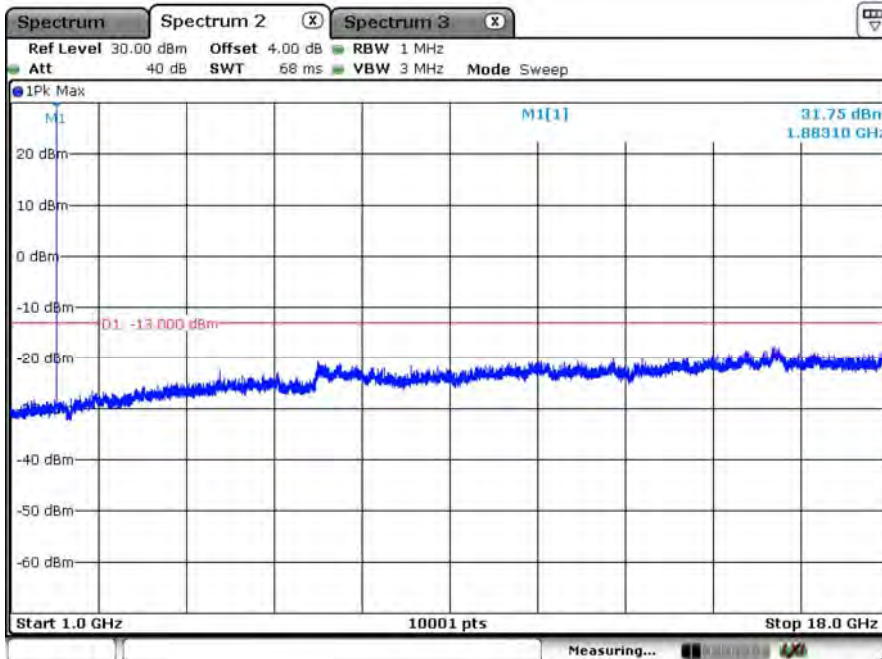
Date: 12 FEB.2020 15:30:45

B25_3.75K_CH26365_QPSK_1RB0_TX_1



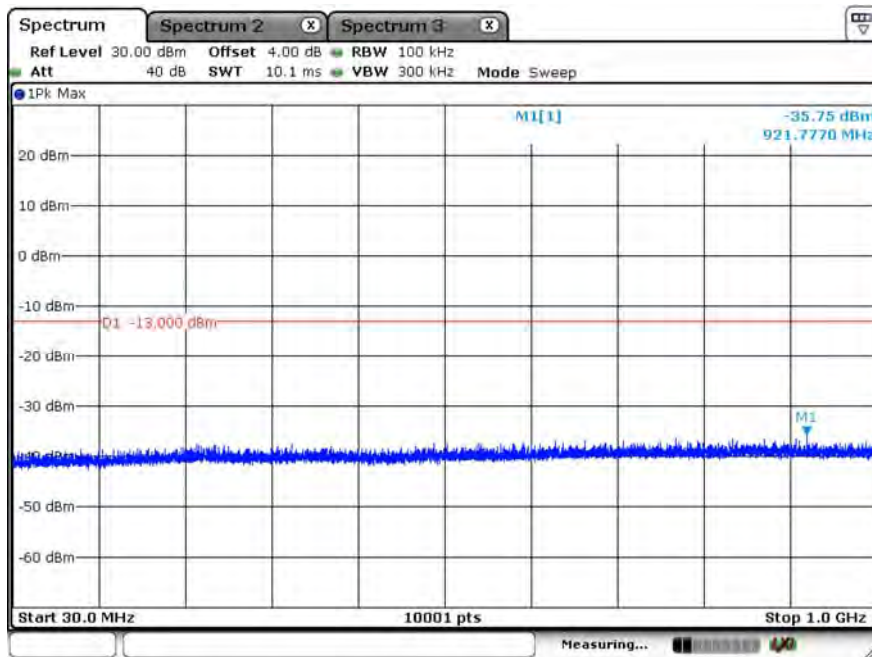
Date: 12.FEB.2020 15:28:03

B25_3.75K_CH26365_QPSK_1RB0_TX_2



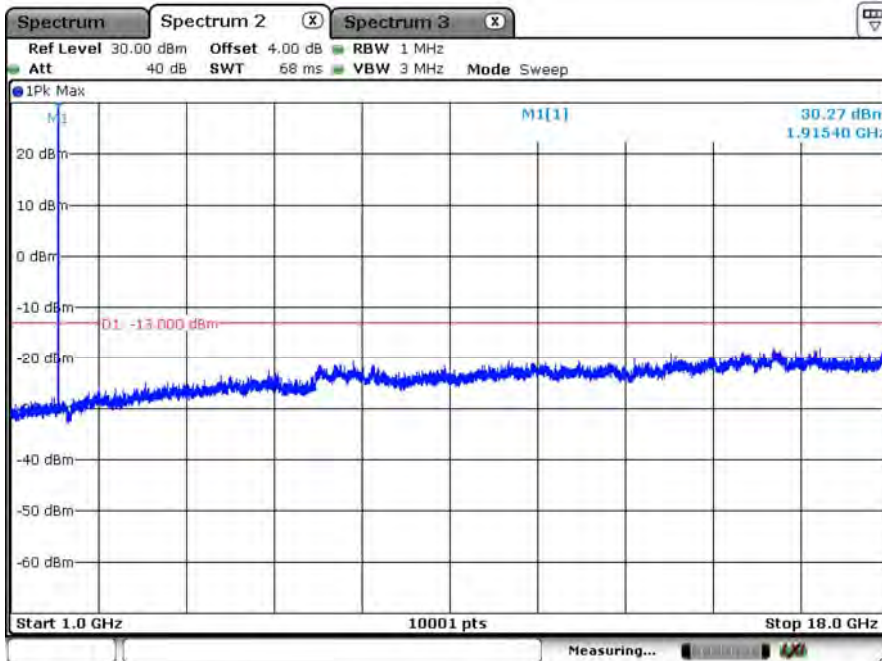
Date: 12.FEB.2020 15:29:17

B25_3.75K_CH26688_BPSK_1RB0_TX_1



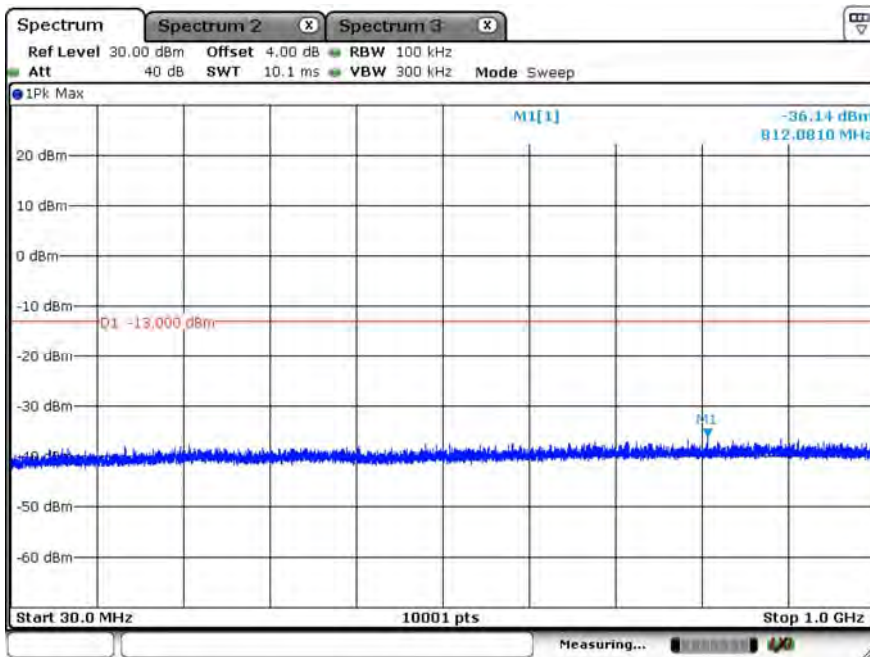
Date: 12.FEB.2020 15:33:14

B25_3.75K_CH26688_BPSK_1RB0_TX_2



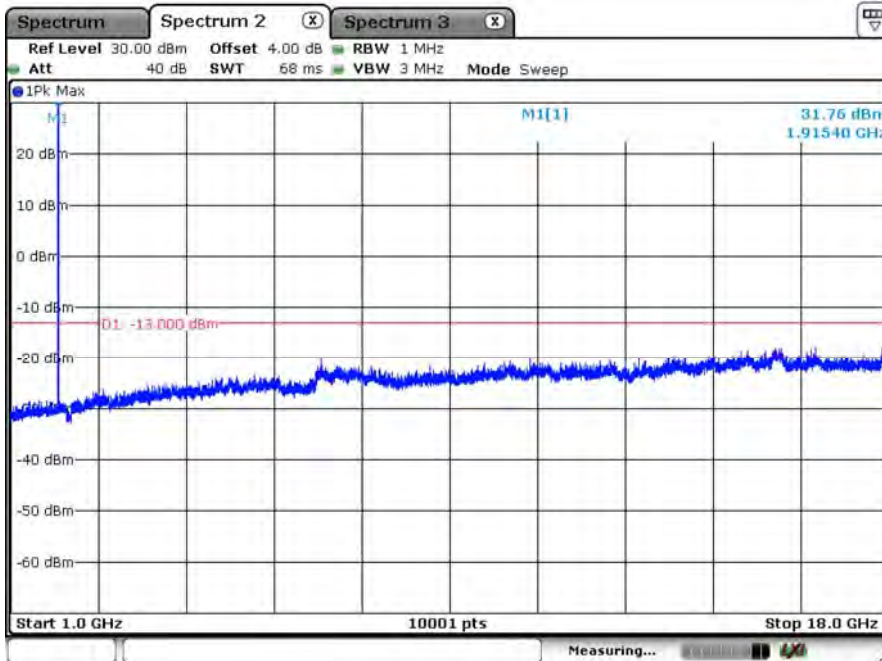
Date: 12 FEB 2020 15:34:18

B25_3.75K_CH26688_QPSK_1RB0_TX_1



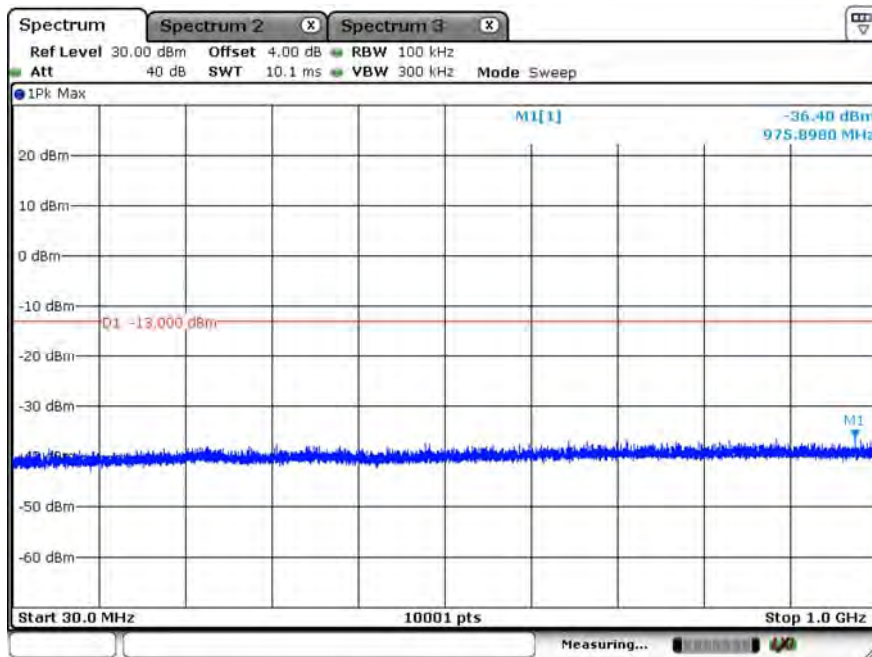
Date: 12.FEB.2020 15:36:25

B25_3.75K_CH26688_QPSK_1RB0_TX_2



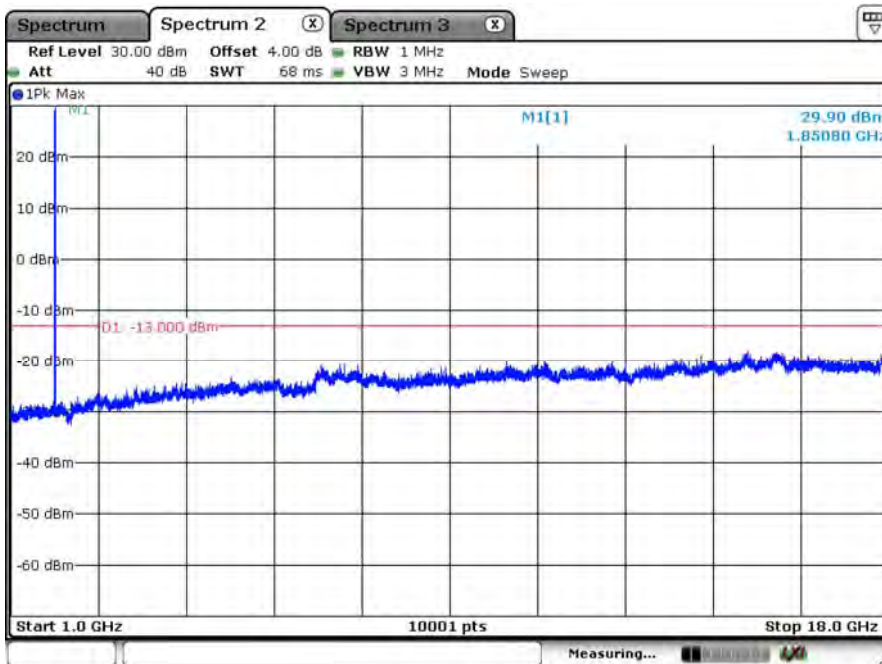
Date: 12 FEB 2020 15:35:15

B25_15K_CH26042_BPSK_1RB0_TX_1



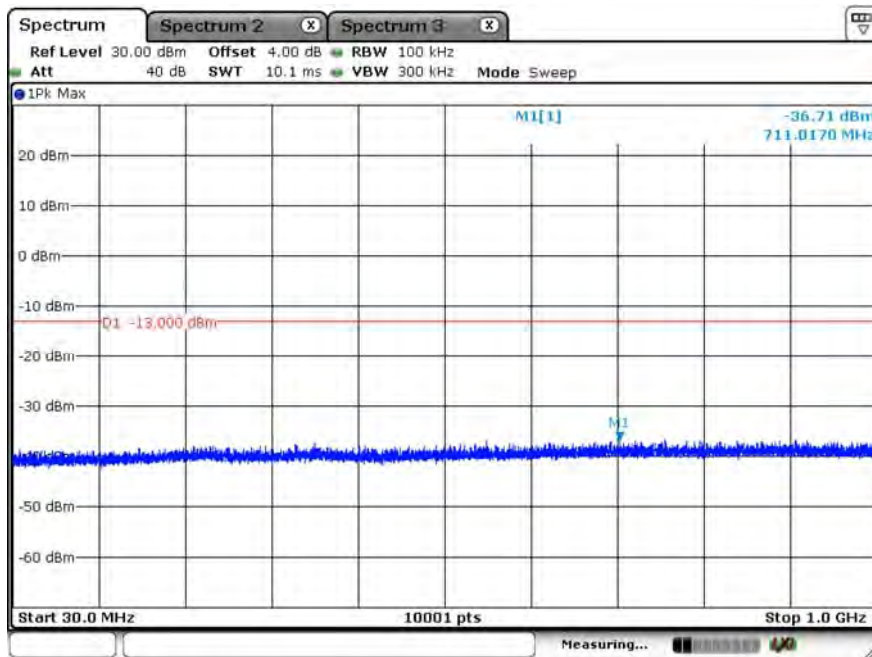
Date: 12.FEB.2020 15:56:27

B25_15K_CH26042_BPSK_1RB0_TX_2



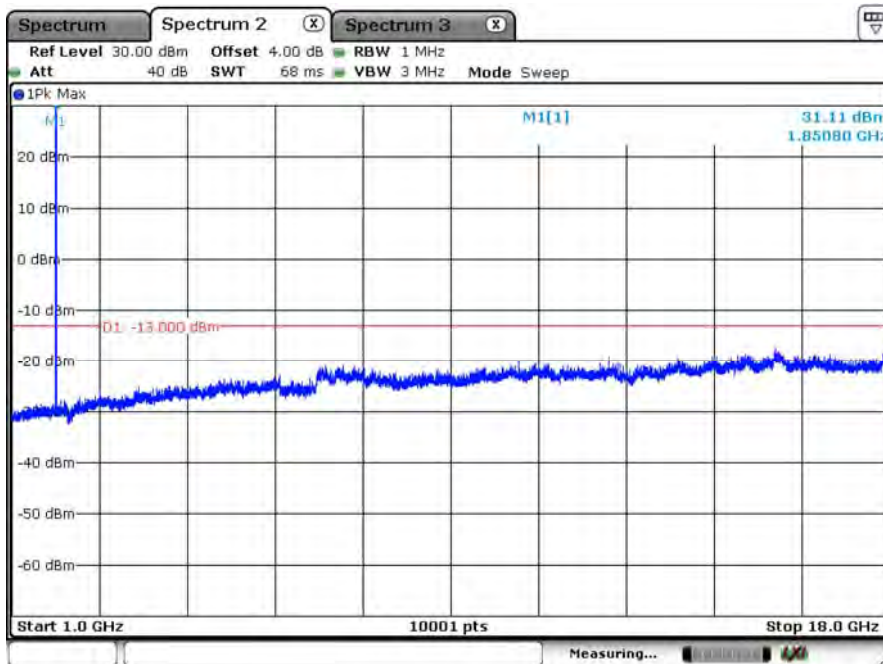
Date: 12 FEB 2020 15:55:26

B25_15K_CH26042_QPSK_1RB0_TX_1



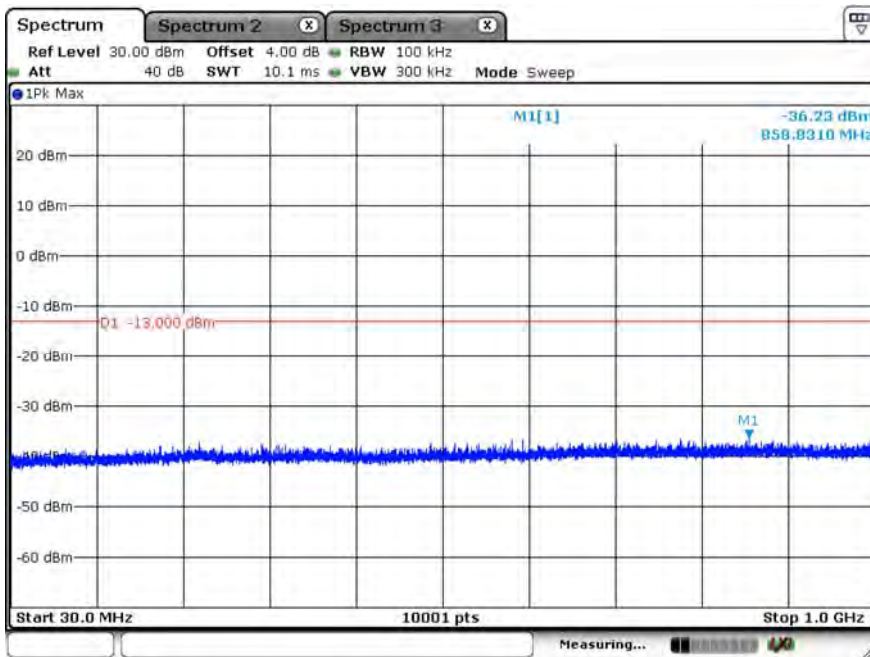
Date: 12.FEB.2020 15:52:18

B25_15K_CH26042_QPSK_1RB0_TX_2



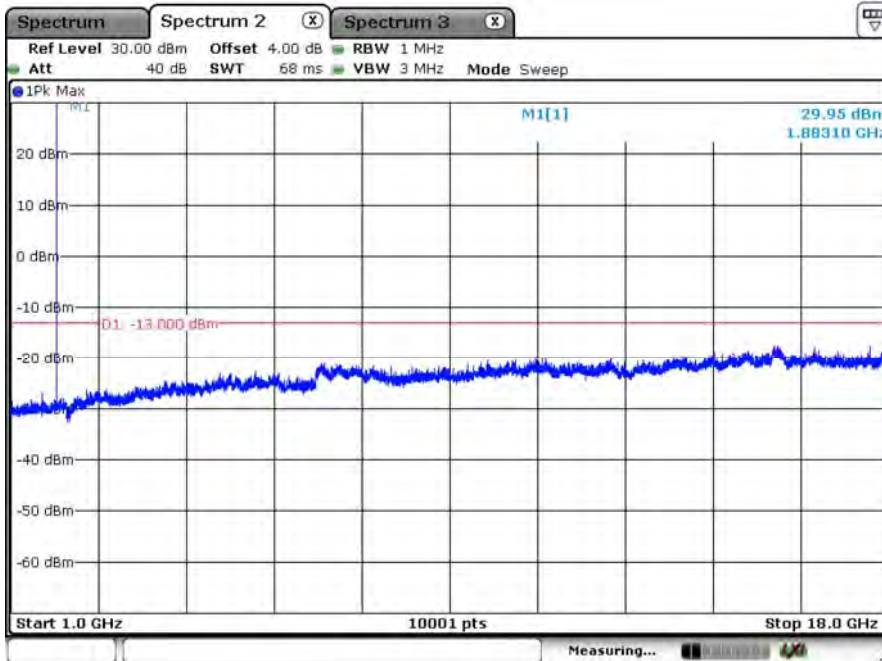
Date: 12 FEB 2020 15:53:58

B25_15K_CH26365_BPSK_1RB0_TX_1



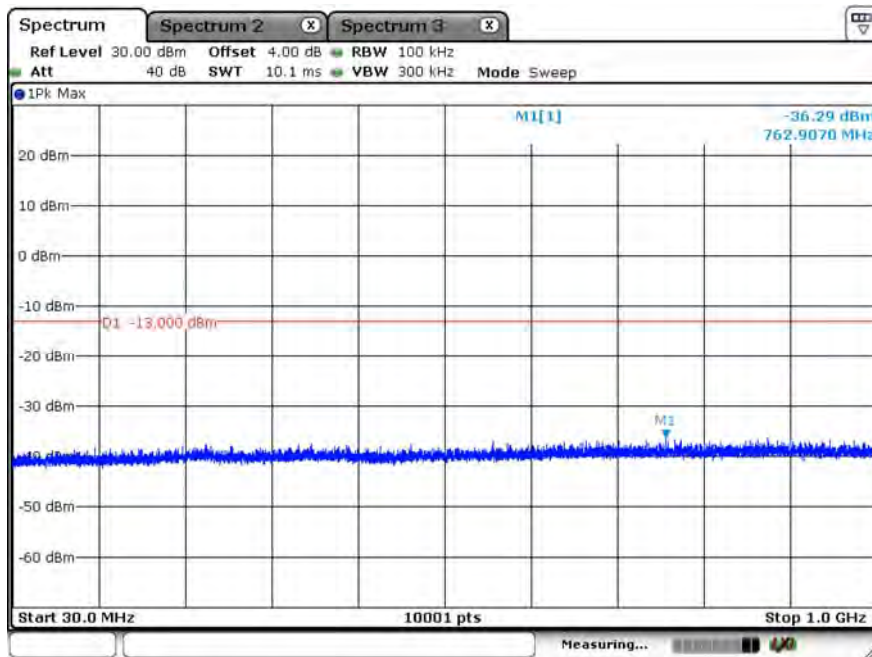
Date: 12.FEB.2020 15:44:22

B25_15K_CH26365_BPSK_1RB0_TX_2



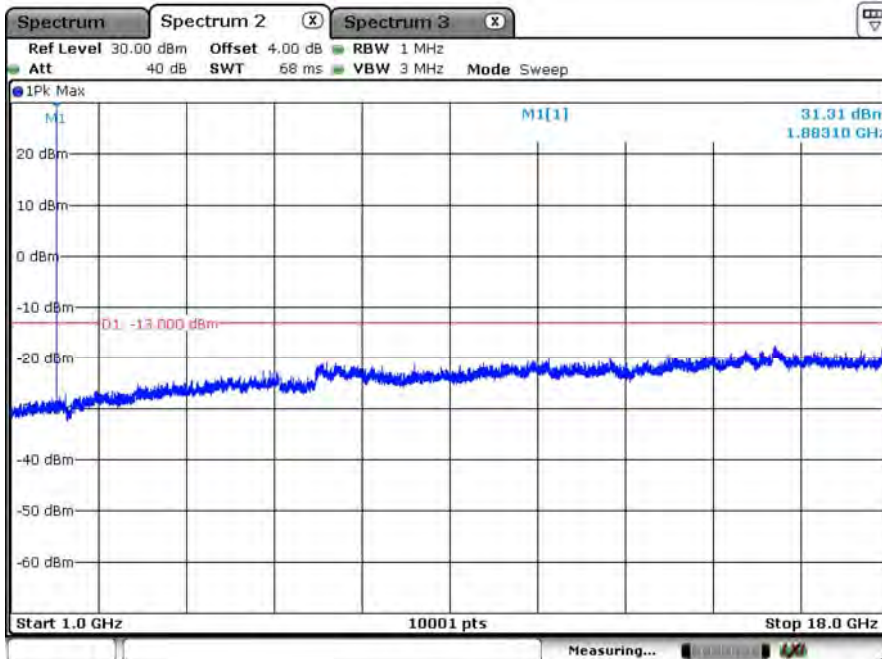
Date: 12 FEB 2020 15:46:49

B25_15K_CH26365_QPSK_1RB0_TX_1



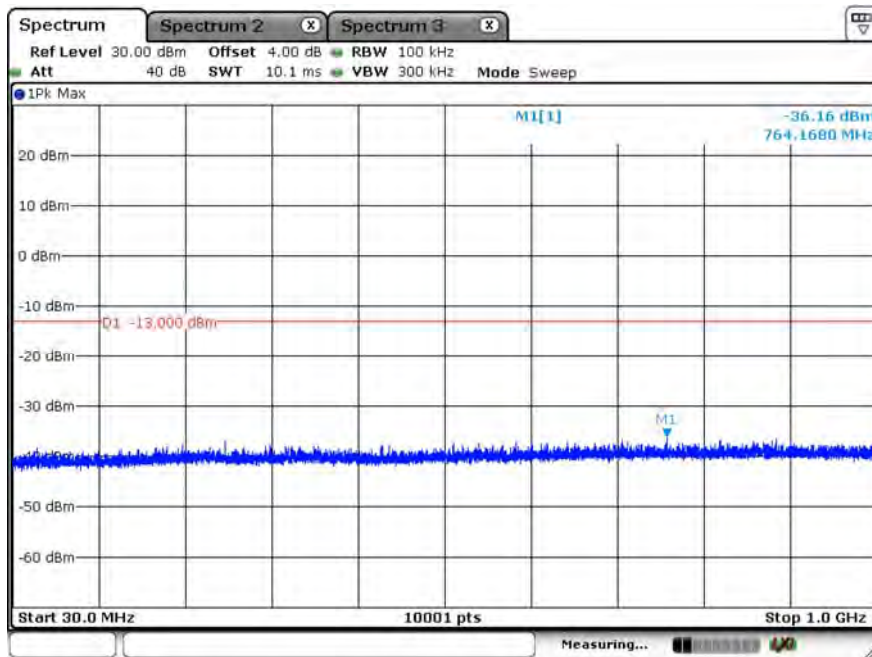
Date: 12.FEB.2020 15:50:15

B25_15K_CH26365_QPSK_1RB0_TX_2



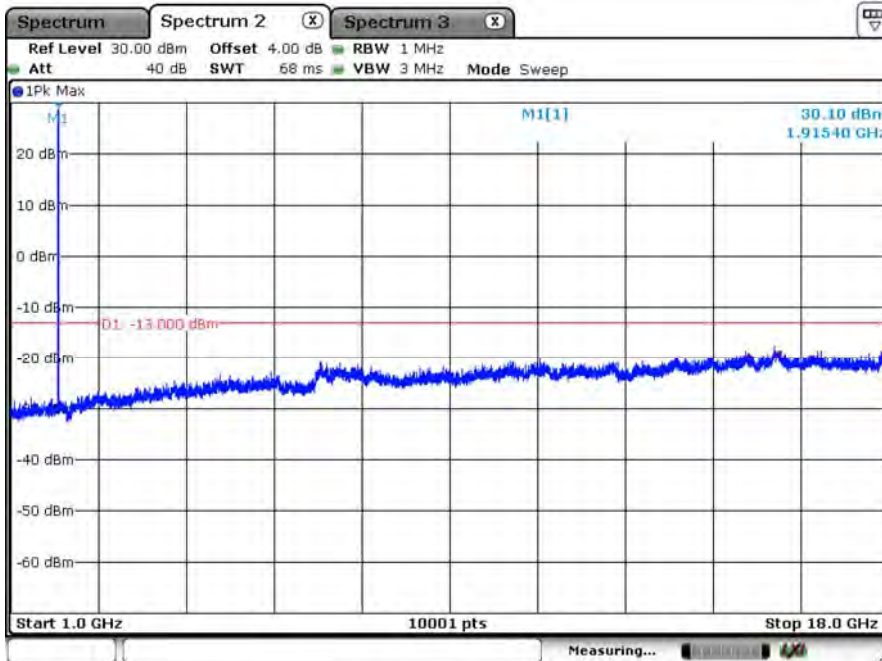
Date: 12.FEB.2020 15:48:45

B25_15K_CH26688_BPSK_1RB0_TX_1



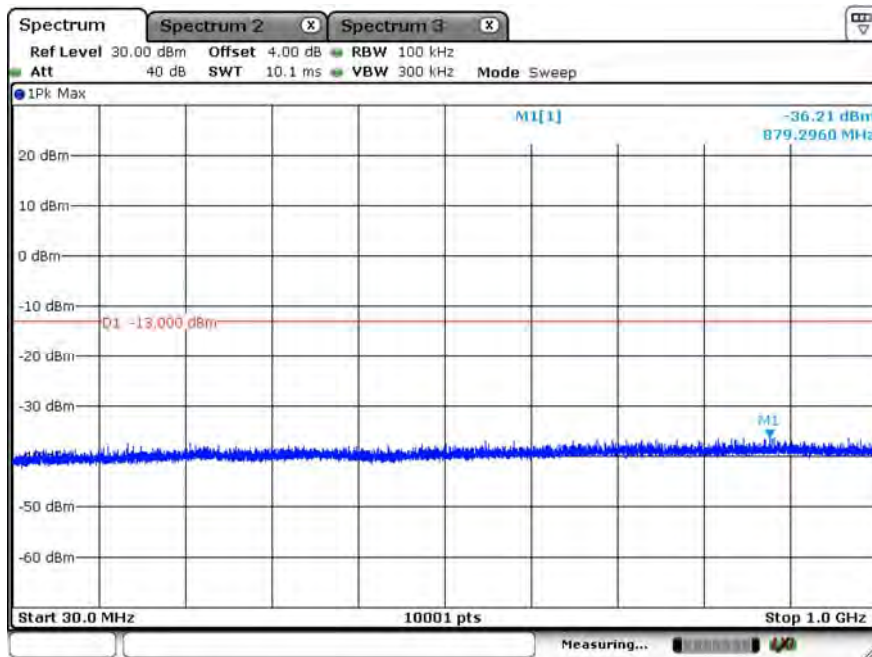
Date: 12.FEB.2020 15:42:44

B25_15K_CH26688_BPSK_1RB0_TX_2



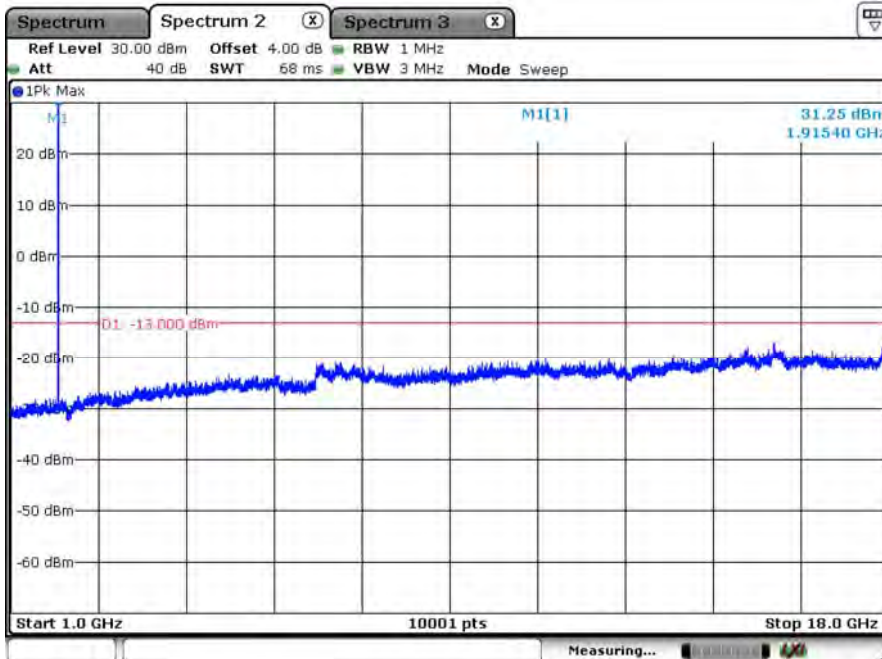
Date: 12.FEB.2020 15:41:45

B25_15K_CH26688_QPSK_1RB0_TX_1



Date: 12.FEB.2020 15:39:00

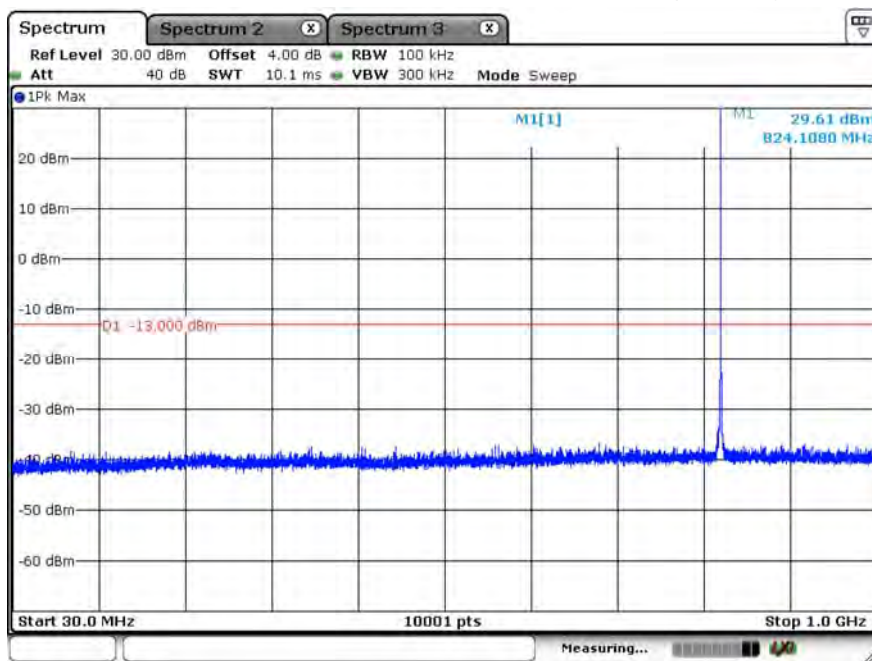
B25_15K_CH26688_QPSK_1RB0_TX_2



Date: 12 FEB 2020 15:40:38

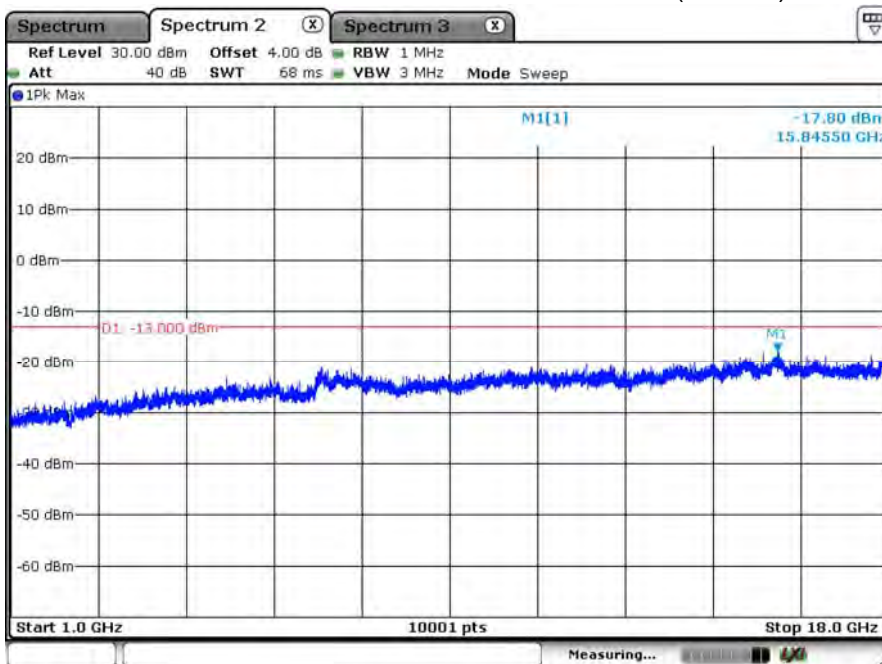
Product	Module		
Test Item	Conducted Spurious Emissions (Part 22)		
Test Mode	Mode 7 : LTE NB-IoT_Band 26		
Date of Test	2020/02/12	Test Site	SR12-H
Temperature (°C)	20	Humidity (%RH)	56

B26_3.75K_CH26792_BPSK_1RB0_TX_1 (Part 22)



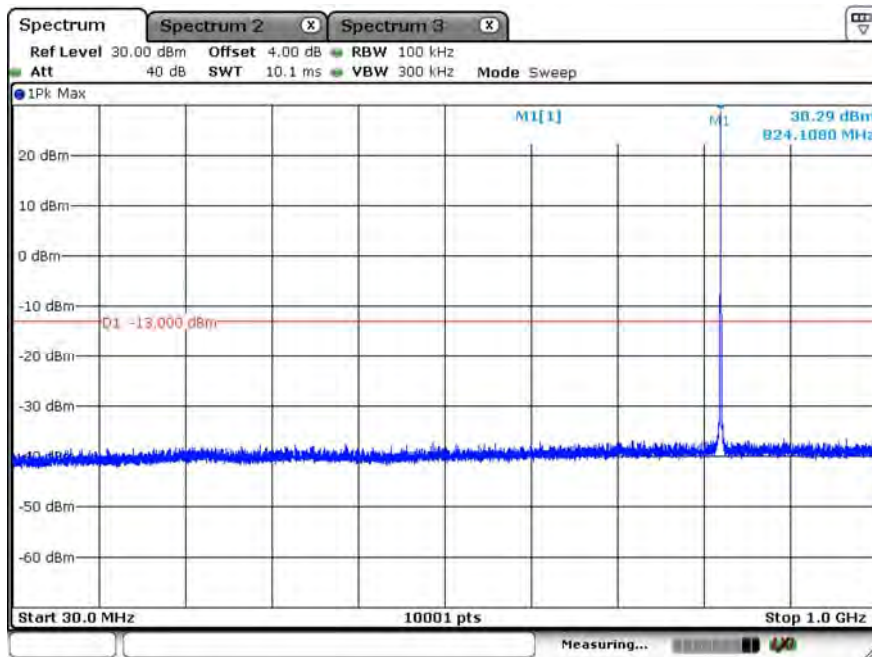
Date: 12.FEB.2020 16:33:08

B26_3.75K_CH26792_BPSK_1RB0_TX_2 (Part 22)



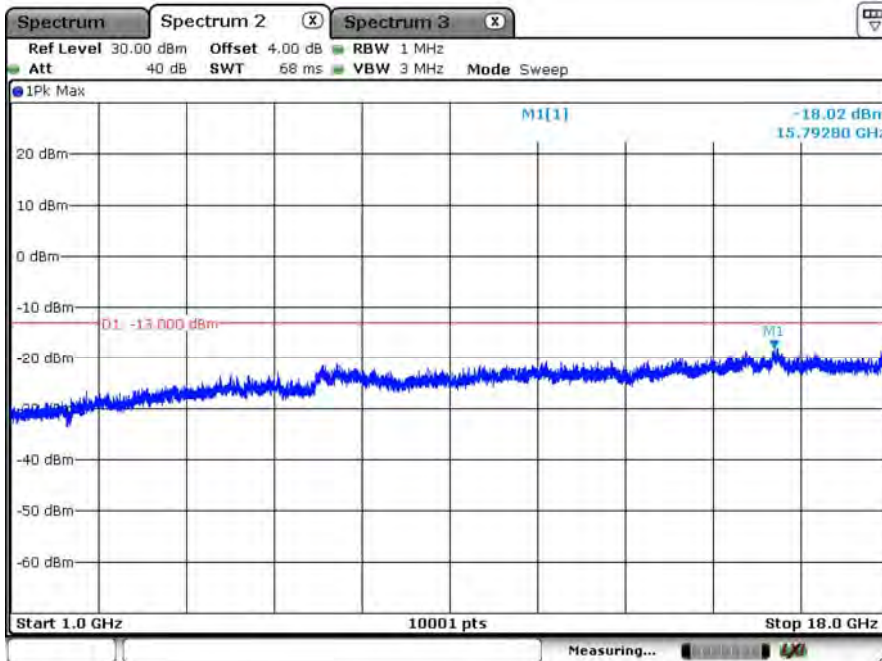
Date: 12.FEB.2020 16:32:27

B26_3.75K_CH26792_QPSK_1RB0_TX_1 (Part 22)



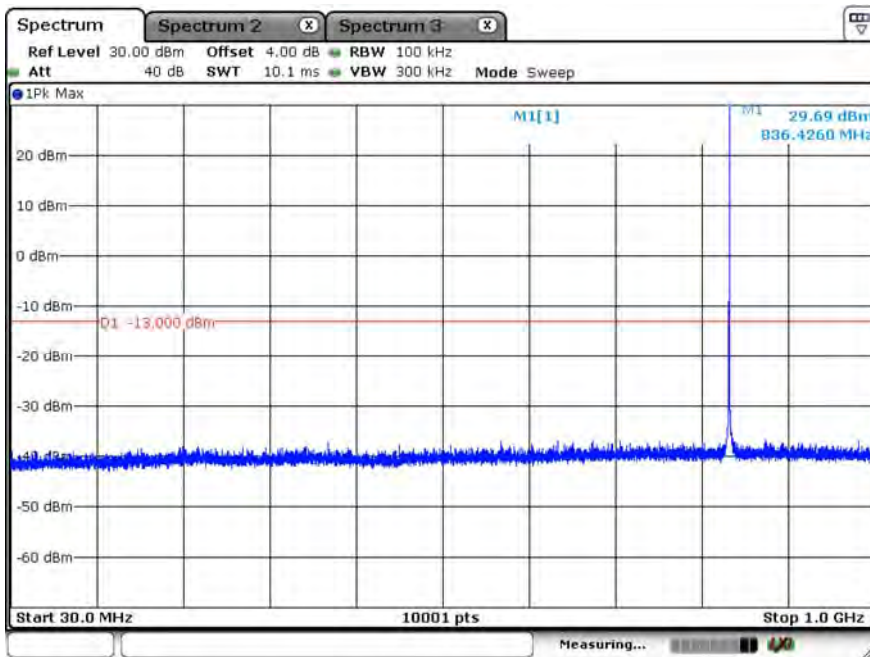
Date: 12.FEB.2020 16:31:24

B26_3.75K_CH26792_QPSK_1RB0_TX_2 (Part 22)



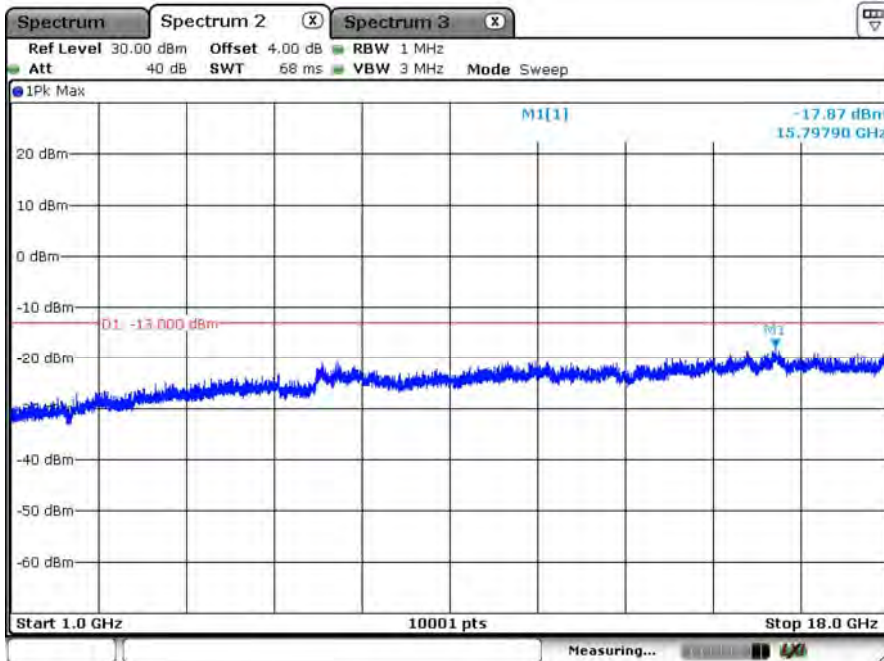
Date: 12.FEB.2020 16:31:56

B26_3.75K_CH26915_BPSK_1RB0_TX_1 (Part 22)



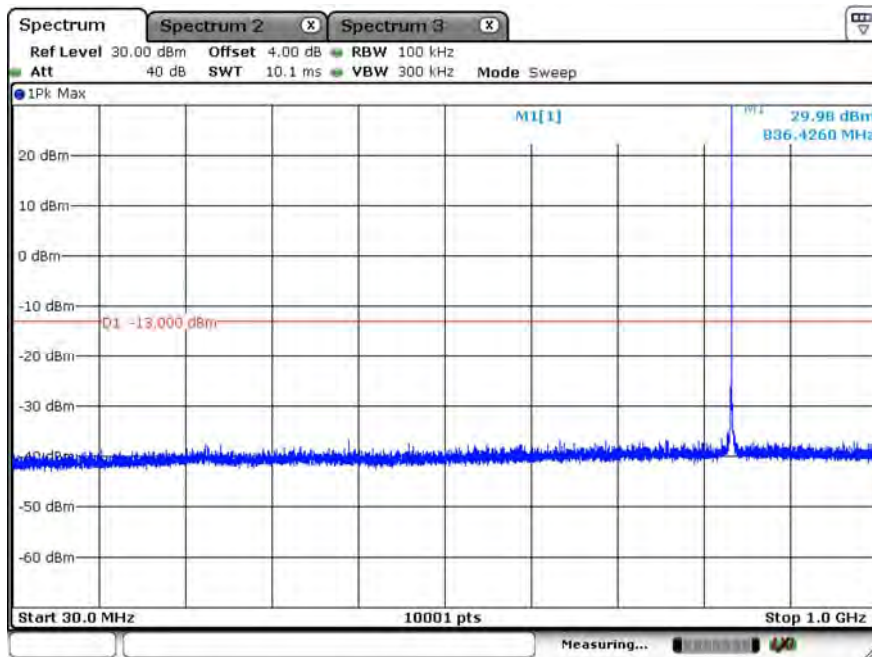
Date: 12.FEB.2020 16:27:31

B26_3.75K_CH26915_BPSK_1RB0_TX_2 (Part 22)



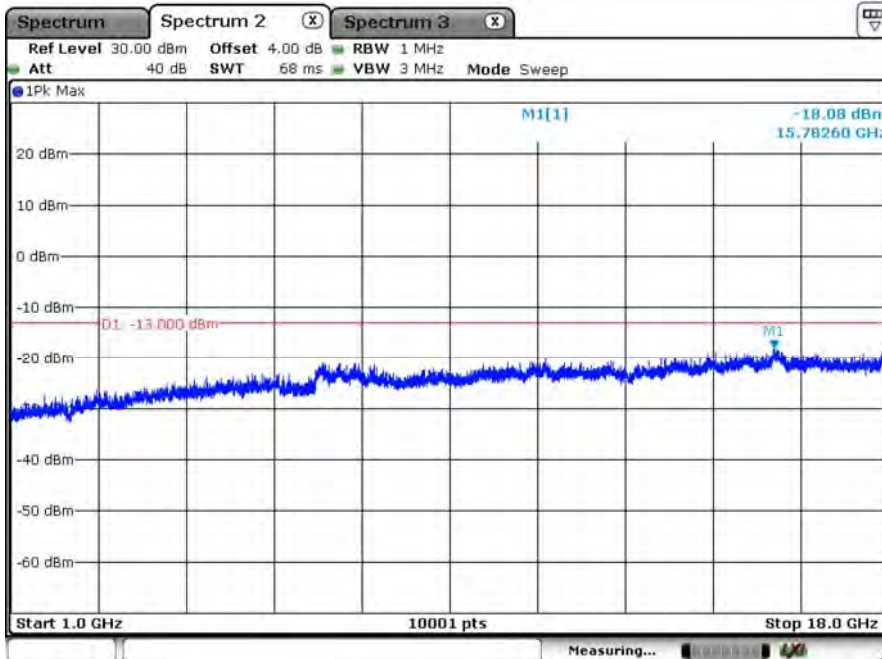
Date: 12.FEB.2020 16:28:05

B26_3.75K_CH26915_QPSK_1RB0_TX_1 (Part 22)



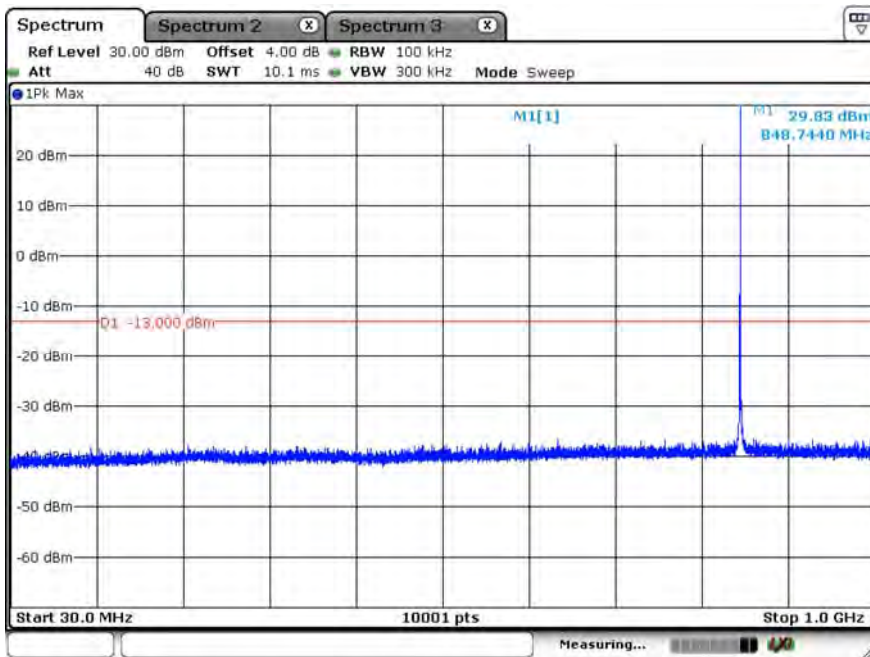
Date: 12.FEB.2020 16:29:48

B26_3.75K_CH26915_QPSK_1RB0_TX_2 (Part 22)



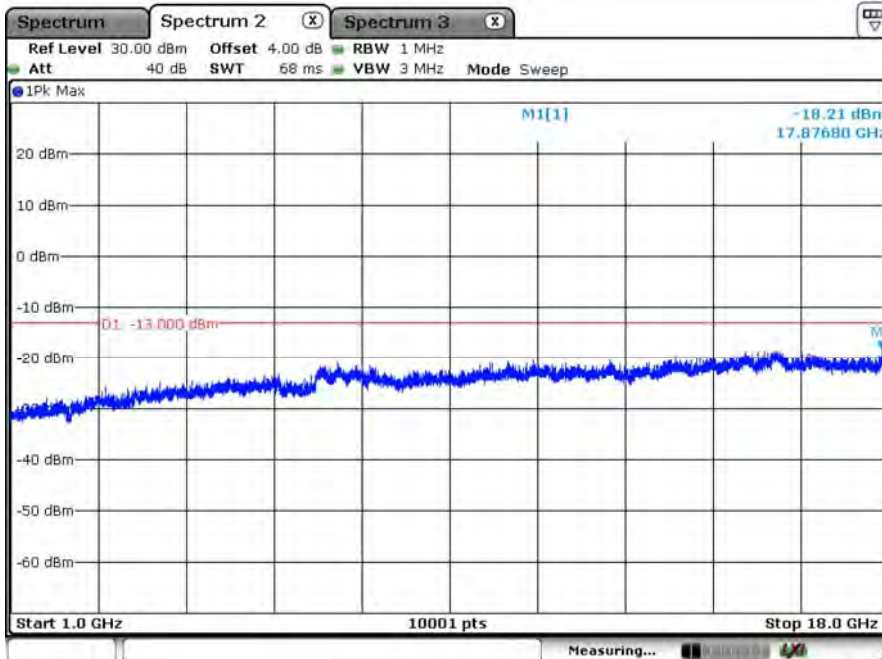
Date: 12.FEB.2020 16:29:02

B26_3.75K_CH27038_BPSK_1RB0_TX_1 (Part 22)



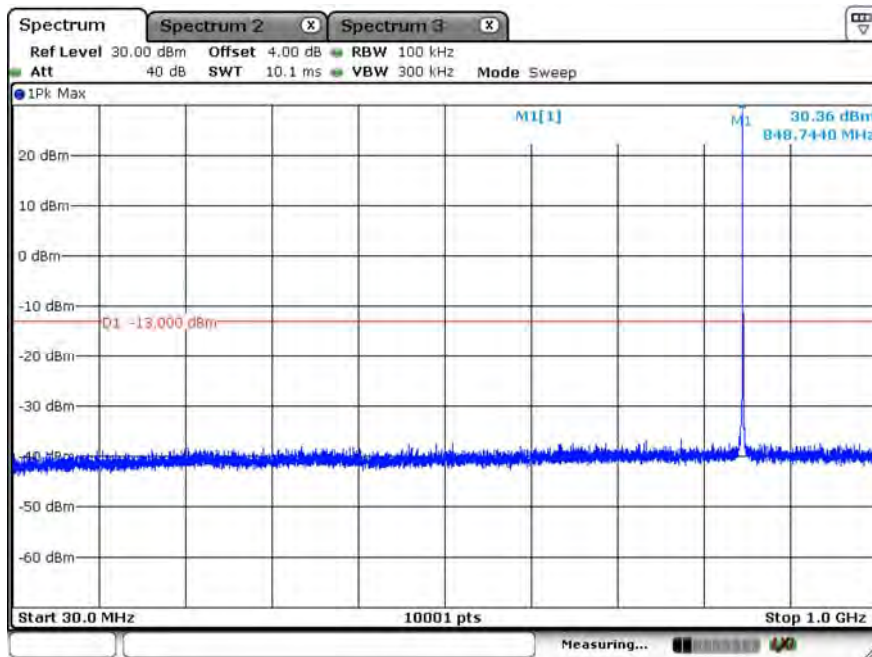
Date: 12.FEB.2020 16:26:45

B26_3.75K_CH27038_BPSK_1RB0_TX_2 (Part 22)



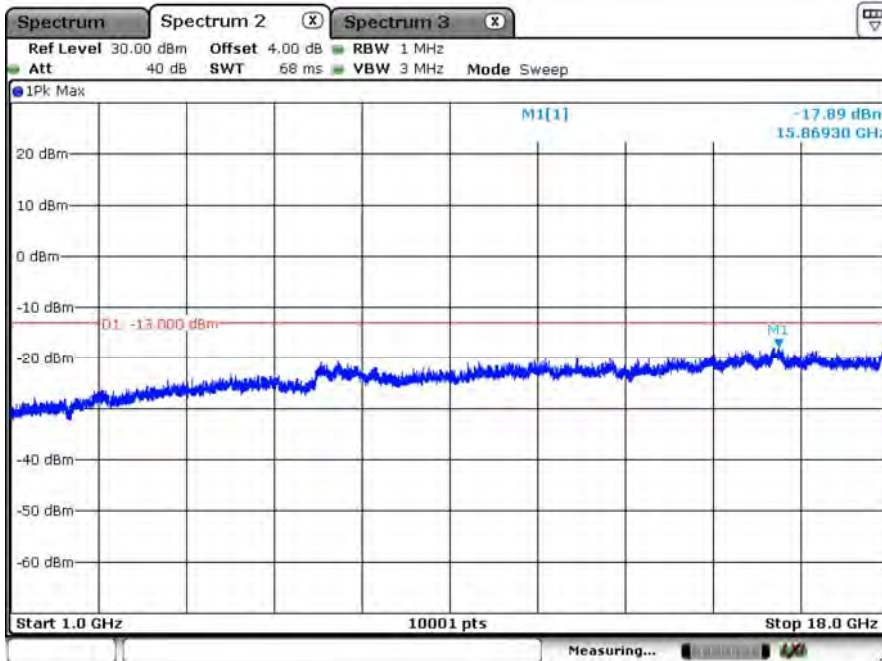
Date: 12.FEB.2020 16:25:34

B26_3.75K_CH27038_QPSK_1RB0_TX_1 (Part 22)



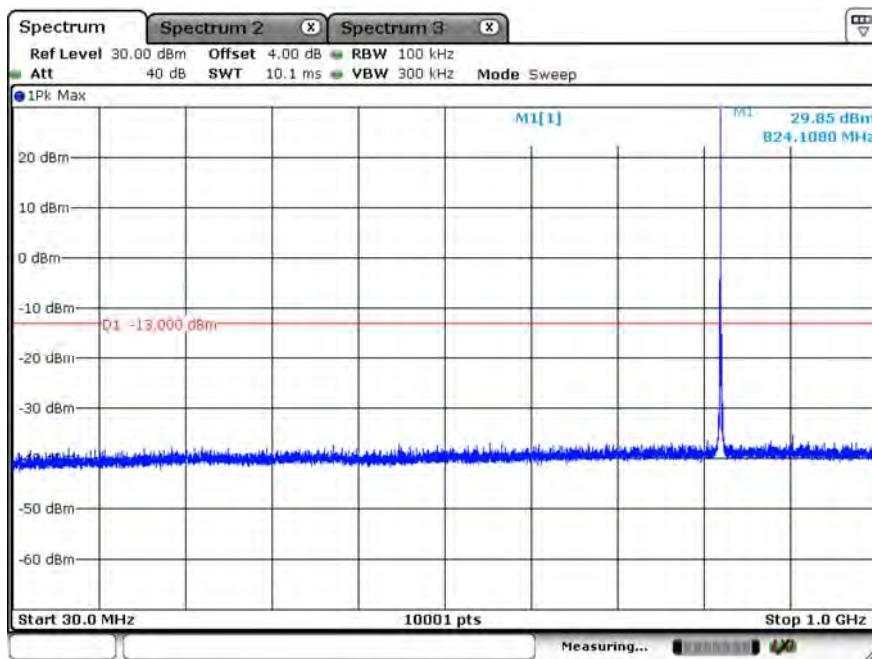
Date: 12.FEB.2020 16:22:55

B26_3.75K_CH27038_QPSK_1RB0_TX_2 (Part 22)



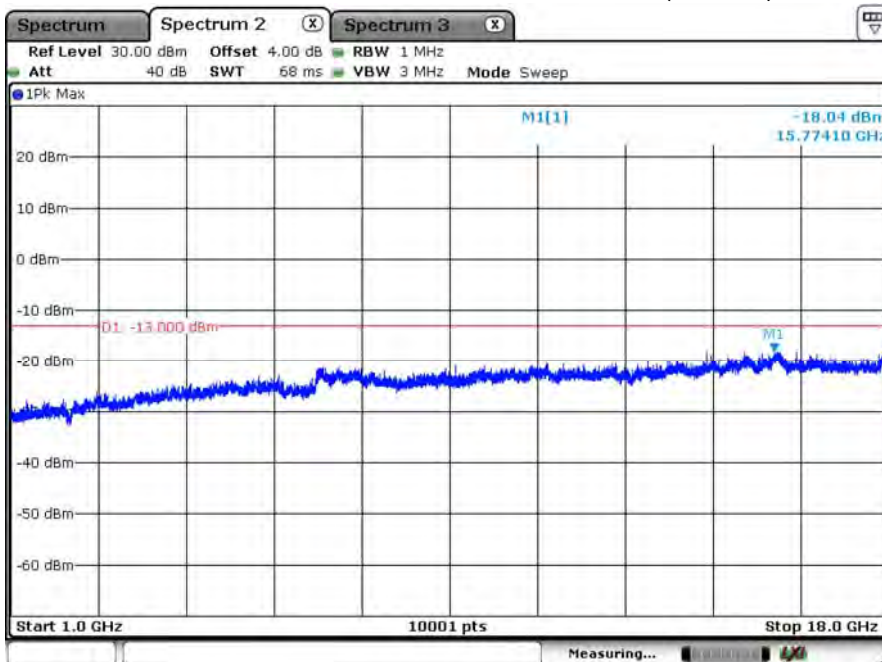
Date: 12.FEB.2020 16:24:40

B26_15K_CH26792_BPSK_1RB0_TX_1 (Part 22)



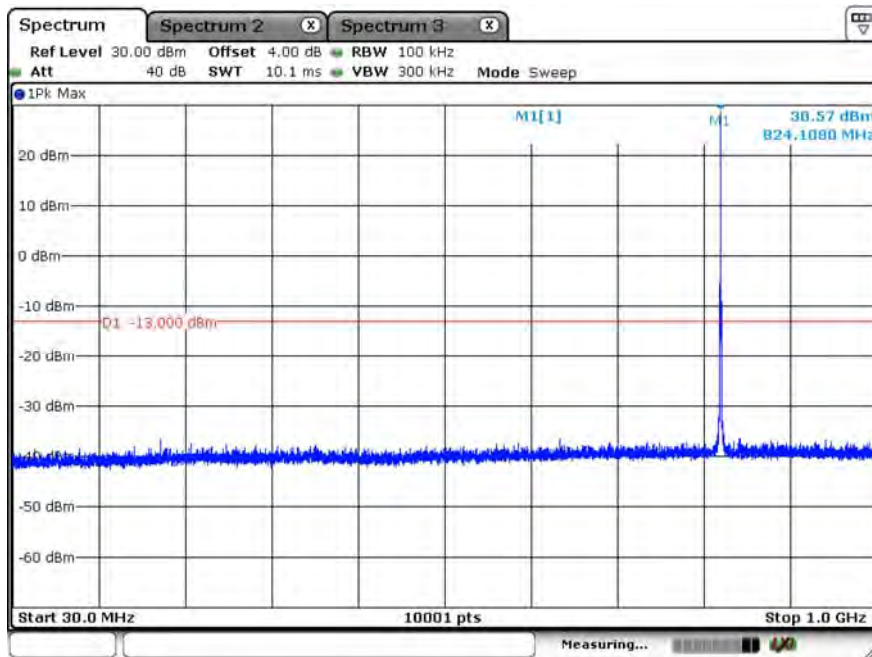
Date: 12.FEB.2020 15:58:19

B26_15K_CH26792_BPSK_1RB0_TX_2 (Part 22)



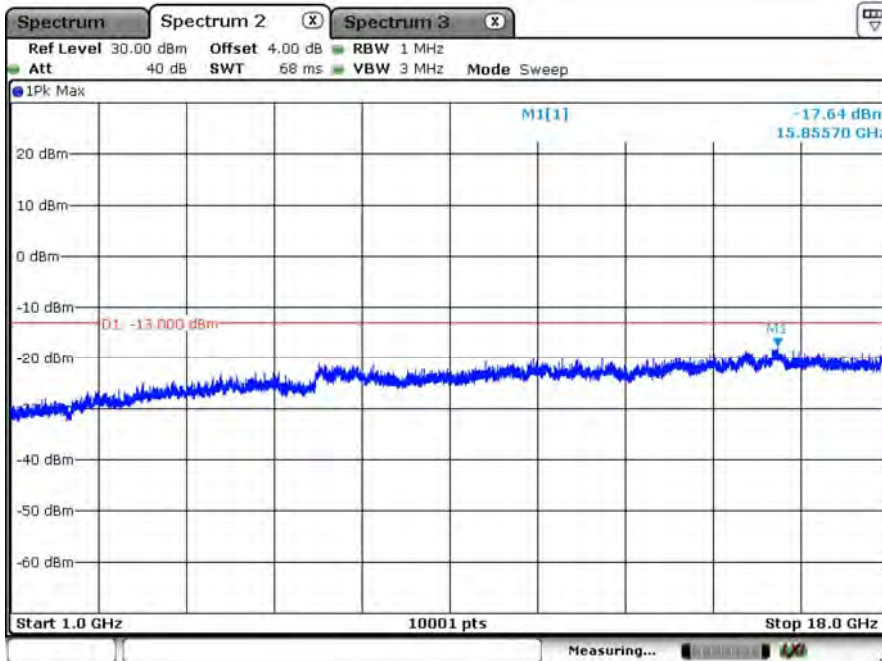
Date: 12.FEB.2020 15:59:44

B26_15K_CH26792_QPSK_1RB0_TX_1 (Part 22)



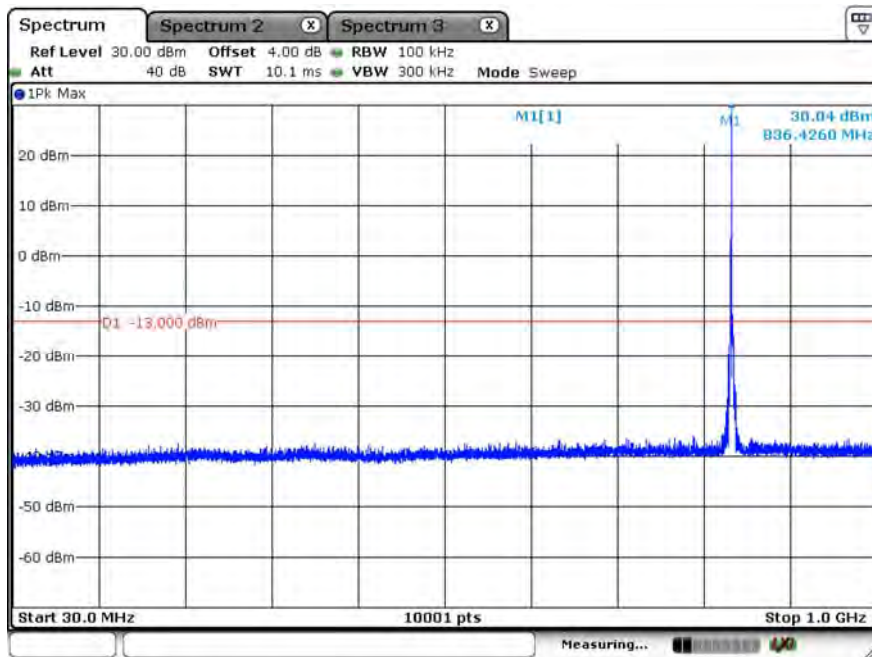
Date: 12.FEB.2020 16:01:51

B26_15K_CH26792_QPSK_1RB0_TX_2 (Part 22)



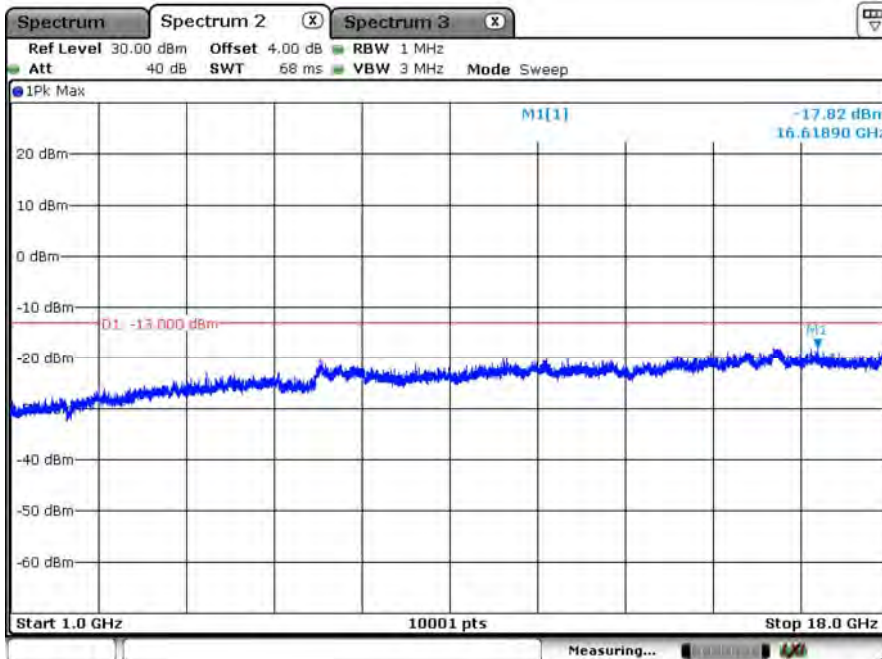
Date: 12.FEB.2020 16:00:51

B26_15K_CH26915_BPSK_1RB0_TX_1 (Part 22)



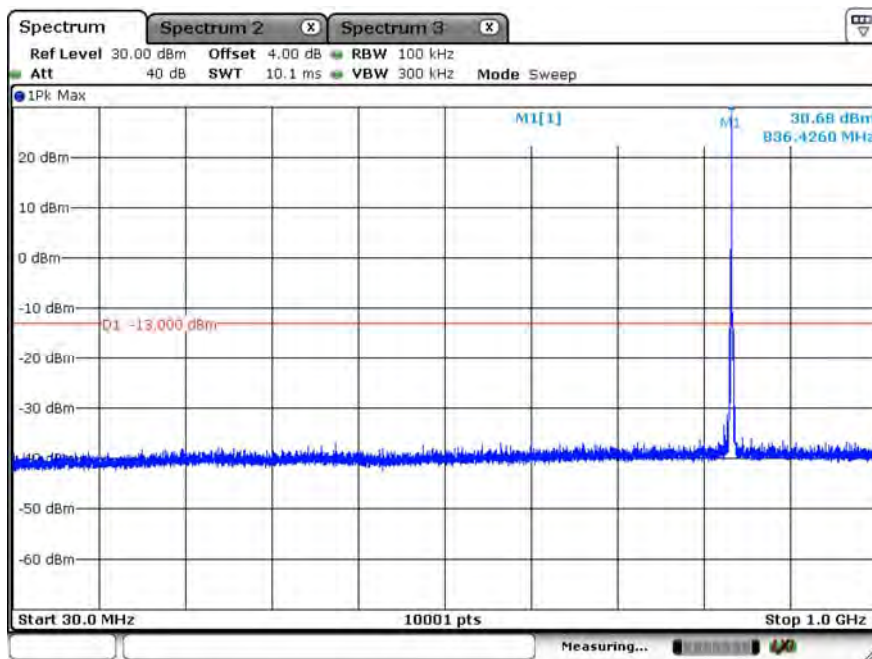
Date: 12.FEB.2020 16:11:47

B26_15K_CH26915_BPSK_1RB0_TX_2 (Part 22)



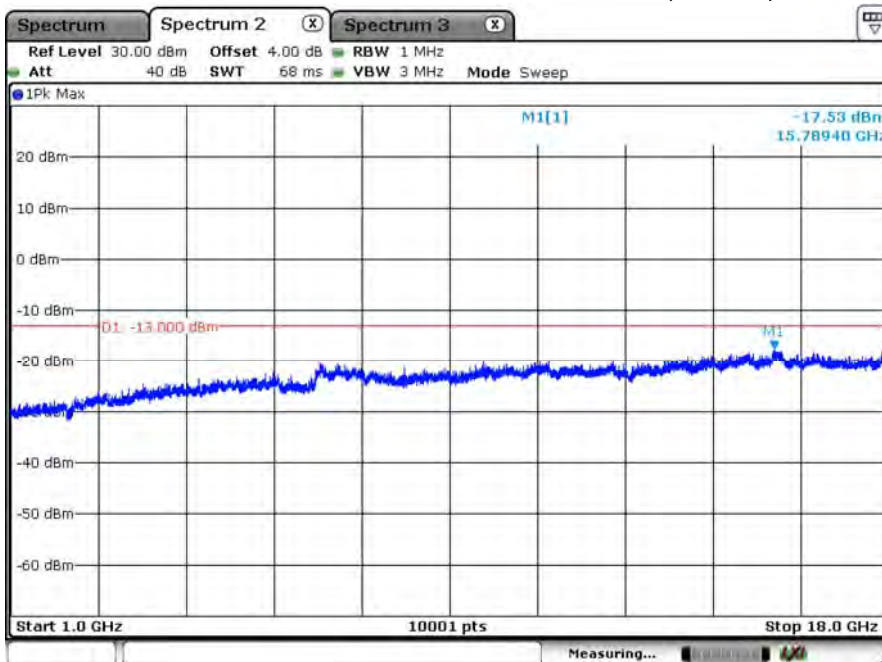
Date: 12.FEB.2020 16:09:41

B26_15K_CH26915_QPSK_1RB0_TX_1 (Part 22)



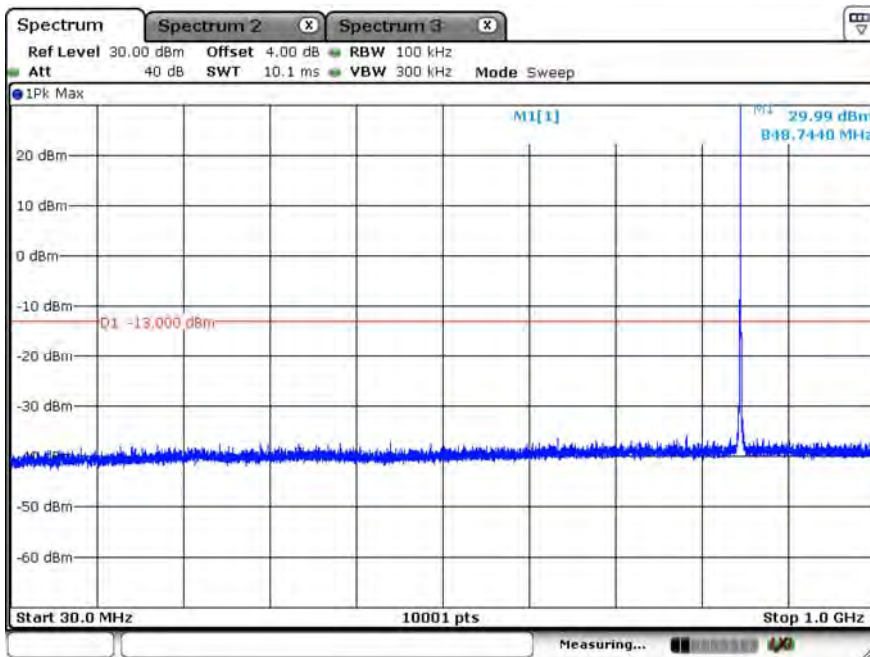
Date: 12.FEB.2020 16:03:07

B26_15K_CH26915_QPSK_1RB0_TX_2 (Part 22)



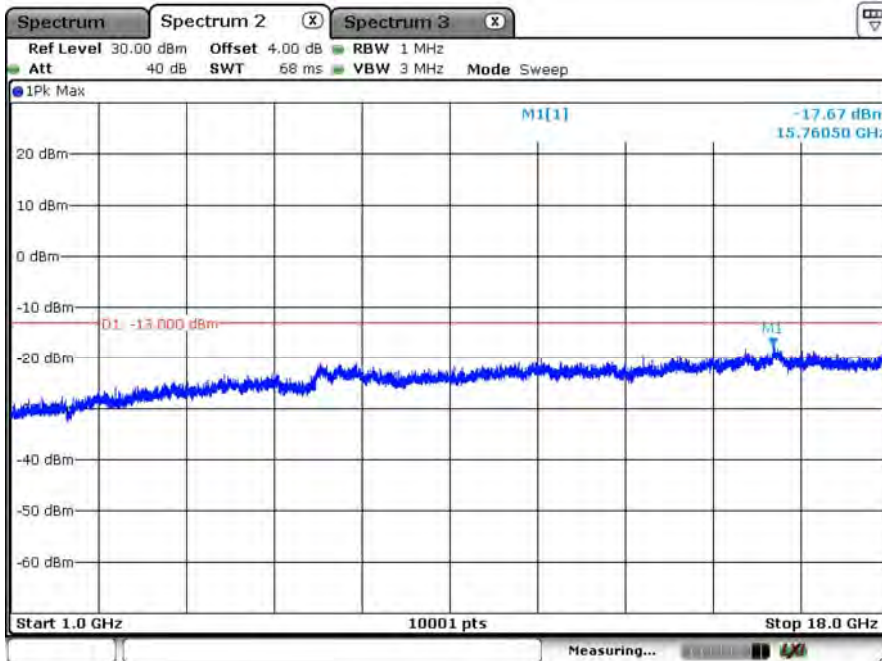
Date: 12.FEB.2020 16:07:39

B26_15K_CH27038_BPSK_1RB0_TX_1 (Part 22)



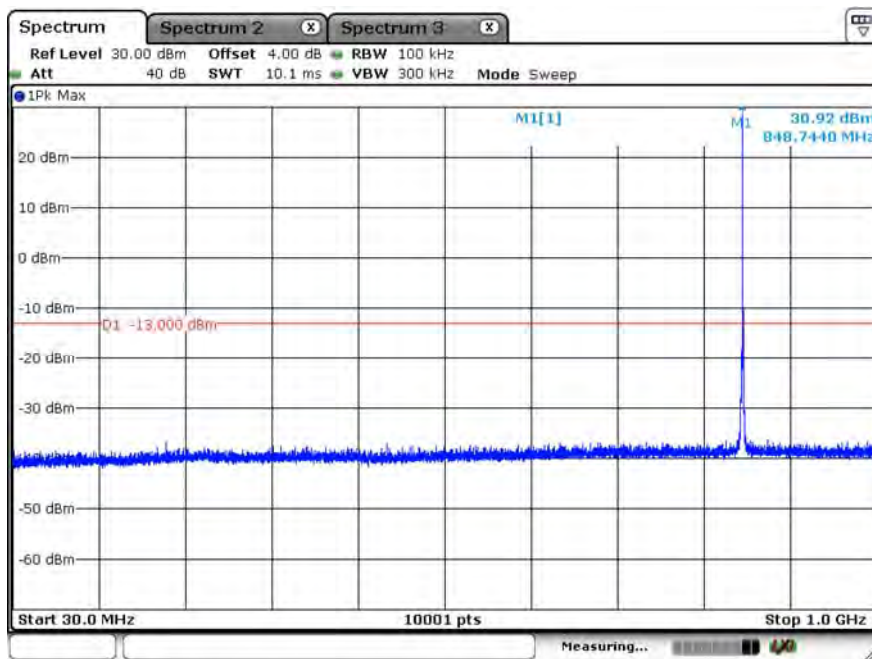
Date: 12.FEB.2020 16:13:25

B26_15K_CH27038_BPSK_1RB0_TX_2 (Part 22)



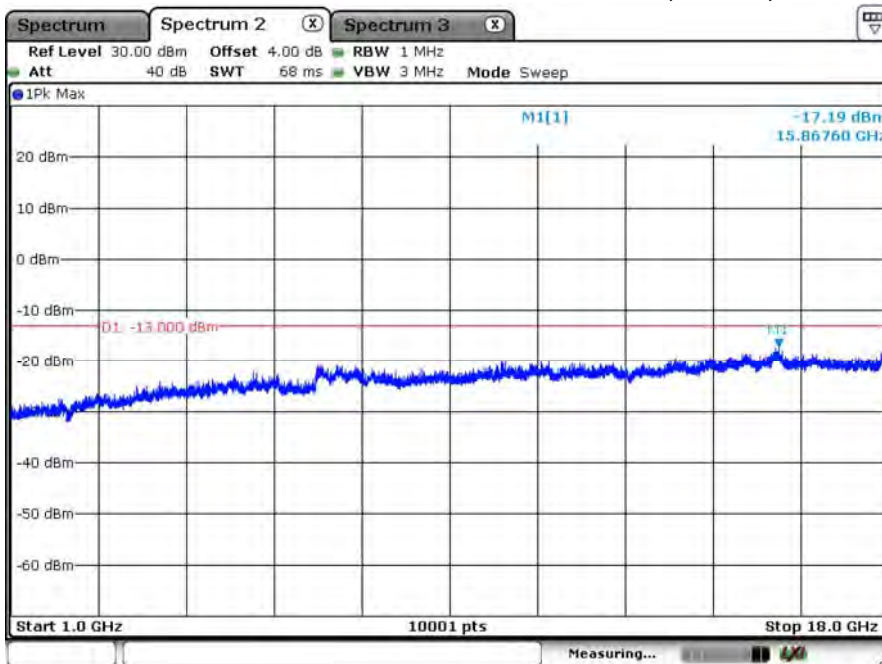
Date: 12.FEB.2020 16:14:36

B26_15K_CH27038_QPSK_1RB0_TX_1 (Part 22)



Date: 12.FEB.2020 16:19:51

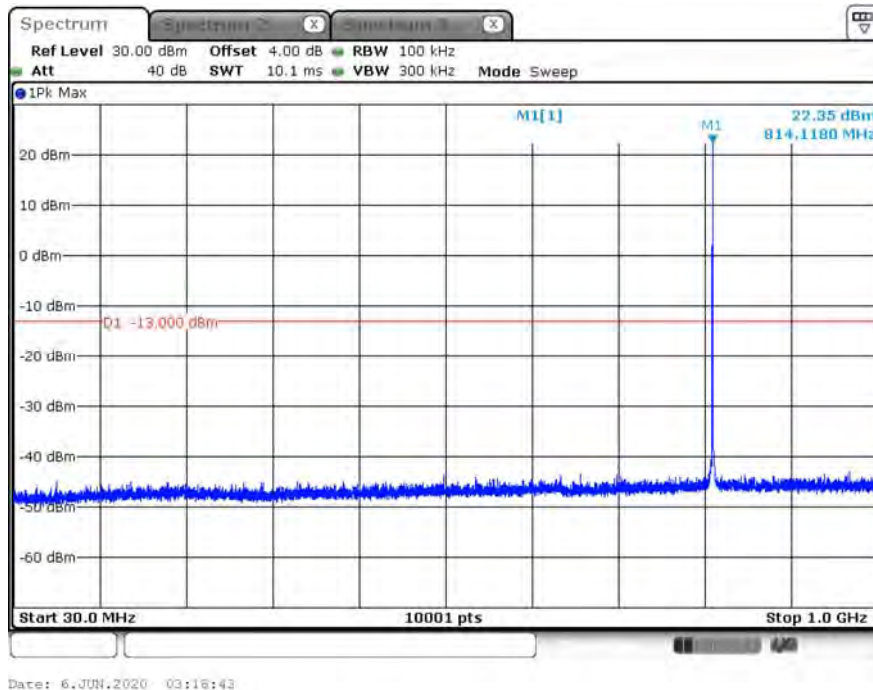
B26_15K_CH27038_QPSK_1RB0_TX_2 (Part 22)



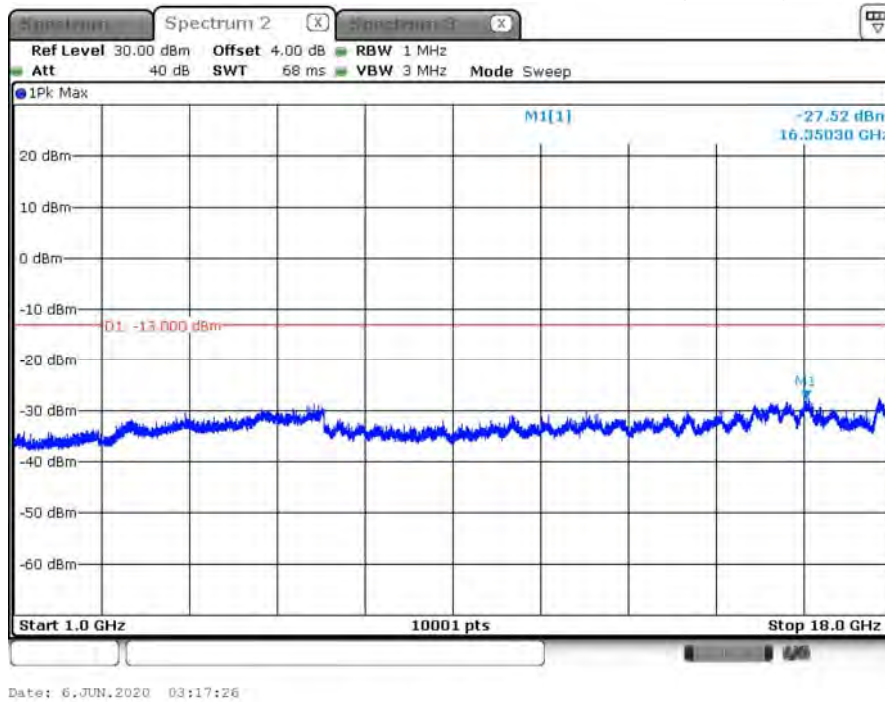
Date: 12.FEB.2020 16:17:26

Product	Module		
Test Item	Conducted Spurious Emissions (Part 90)		
Test Mode	Mode 7 : LTE NB-IoT_Band 26		
Date of Test	2020/02/12~2020/06/06	Test Site	SR12-H
Temperature (°C)	20	Humidity (%RH)	56

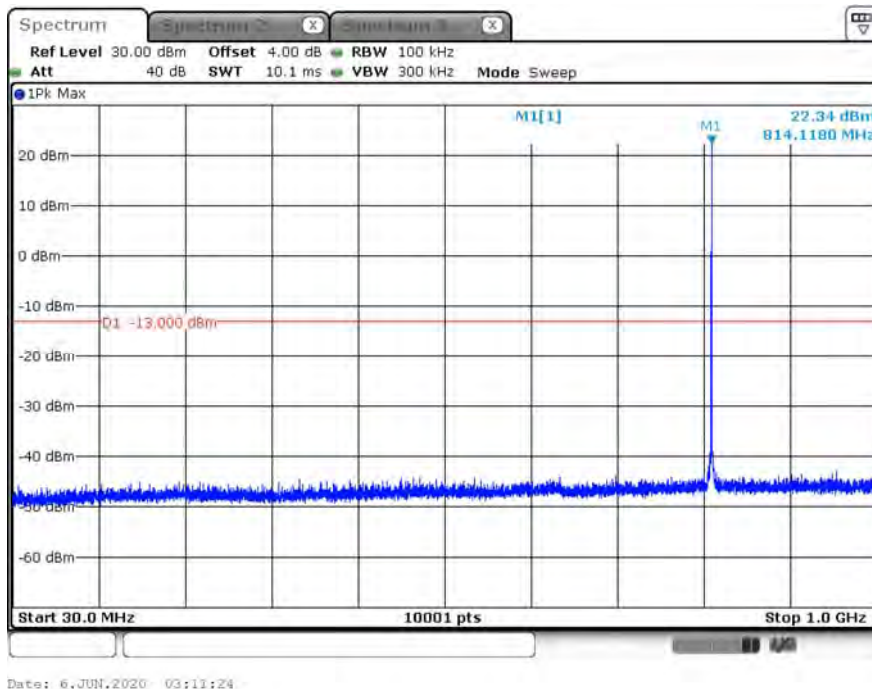
B26_3.75K_CH26692_BPSK_1RB0_TX_1 (Part 90)



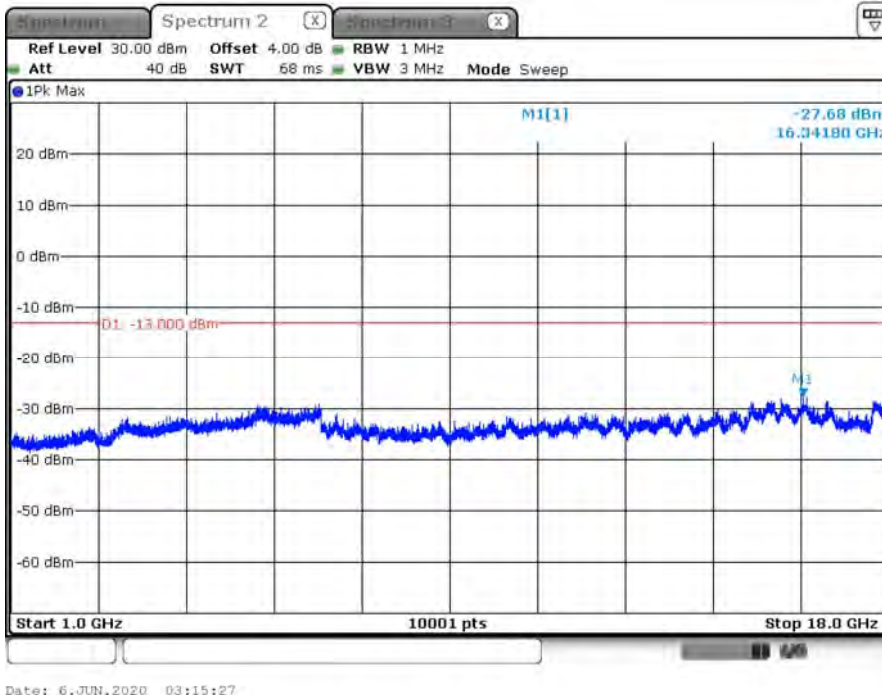
B26_3.75K_CH26692_BPSK_1RB0_TX_2 (Part 90)



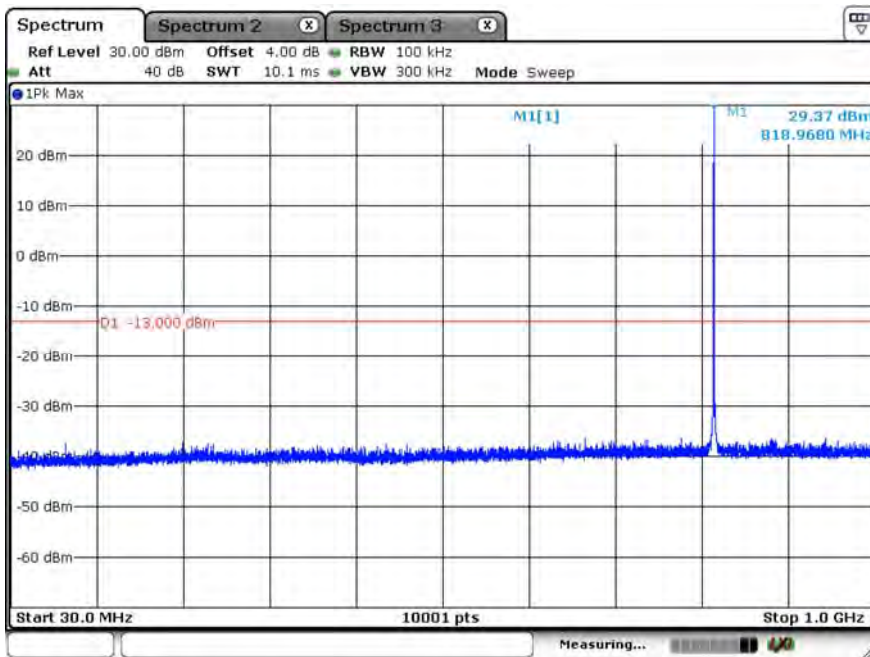
B26_3.75K_CH26692_QPSK_1RB0_TX_1 (Part 90)



B26_3.75K_CH26692_QPSK_1RB0_TX_2 (Part 90)

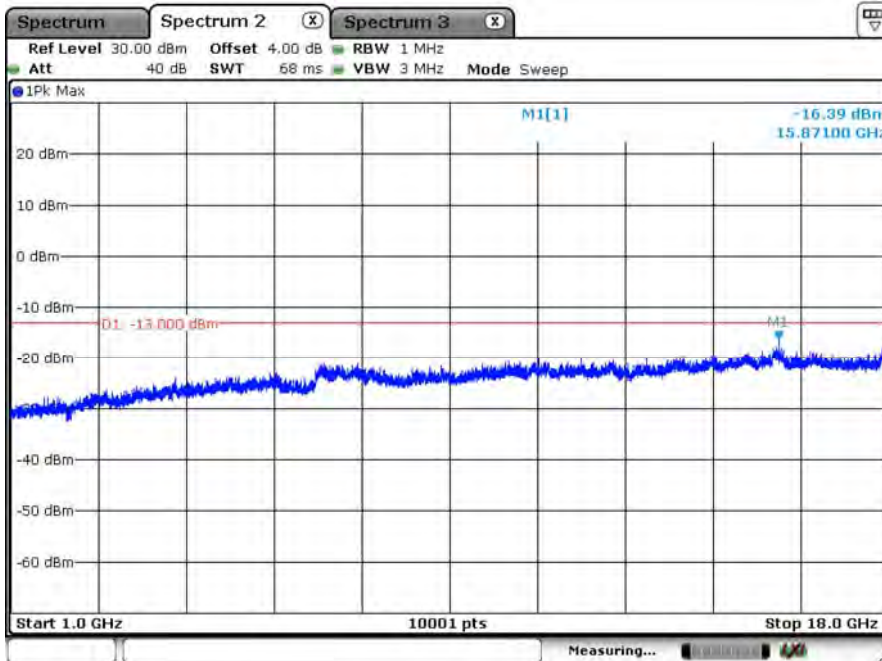


B26_3.75K_CH26740_BPSK_1RB0_TX_1 (Part 90)



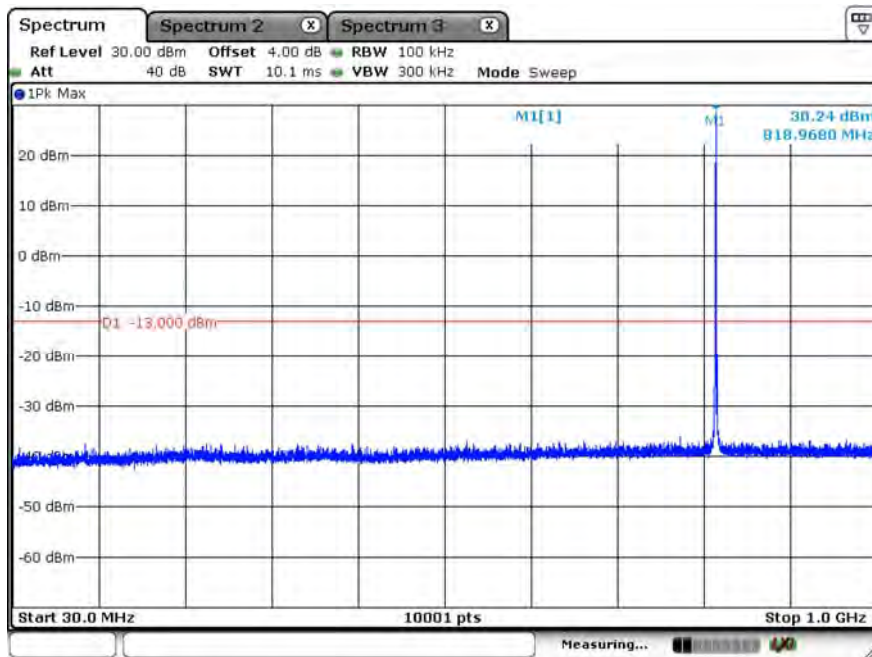
Date: 12.FEB.2020 16:52:23

B26_3.75K_CH26740_BPSK_1RB0_TX_2 (Part 90)



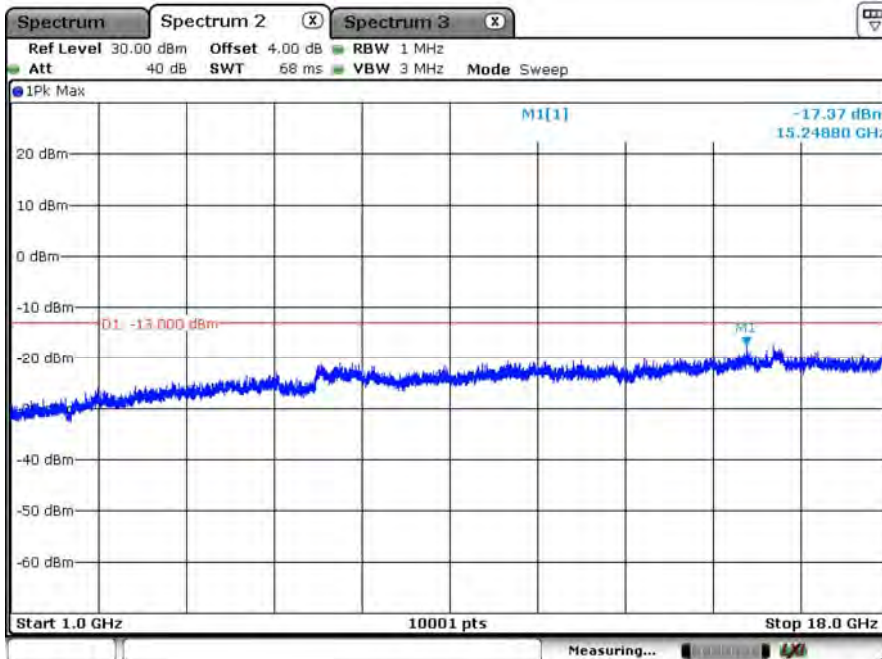
Date: 12.FEB.2020 16:51:05

B26_3.75K_CH26740_QPSK_1RB0_TX_1 (Part 90)



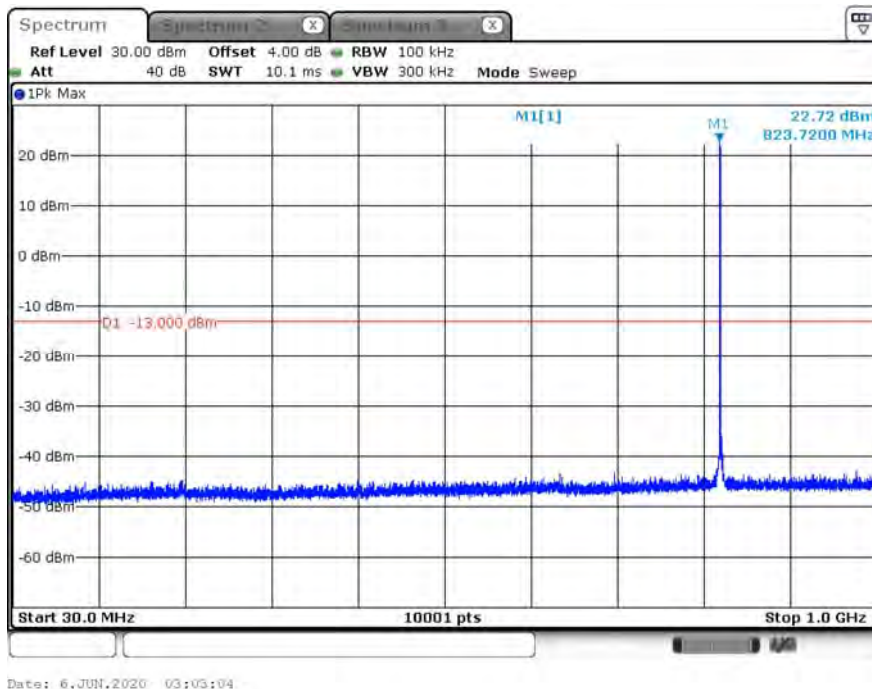
Date: 12.FEB.2020 16:48:50

B26_3.75K_CH26740_QPSK_1RB0_TX_2 (Part 90)

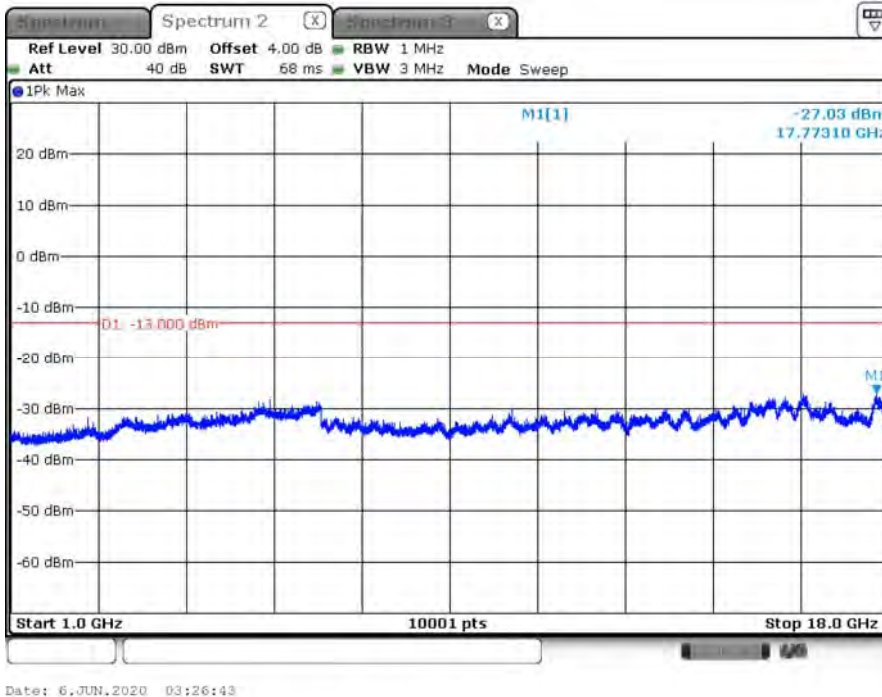


Date: 12.FEB.2020 16:49:43

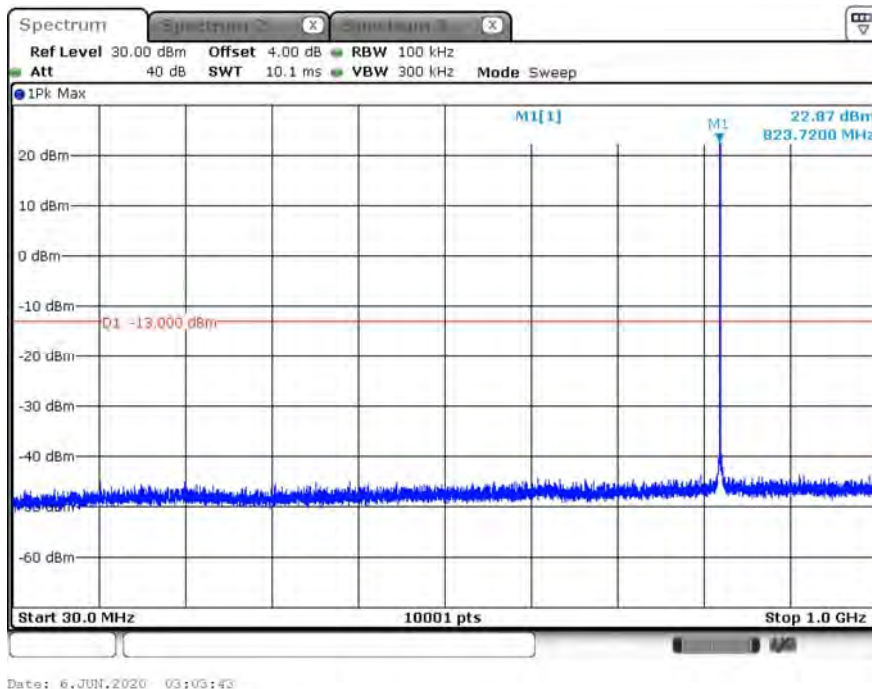
B26_3.75K_CH26788_BPSK_1RB0_TX_1 (Part 90)



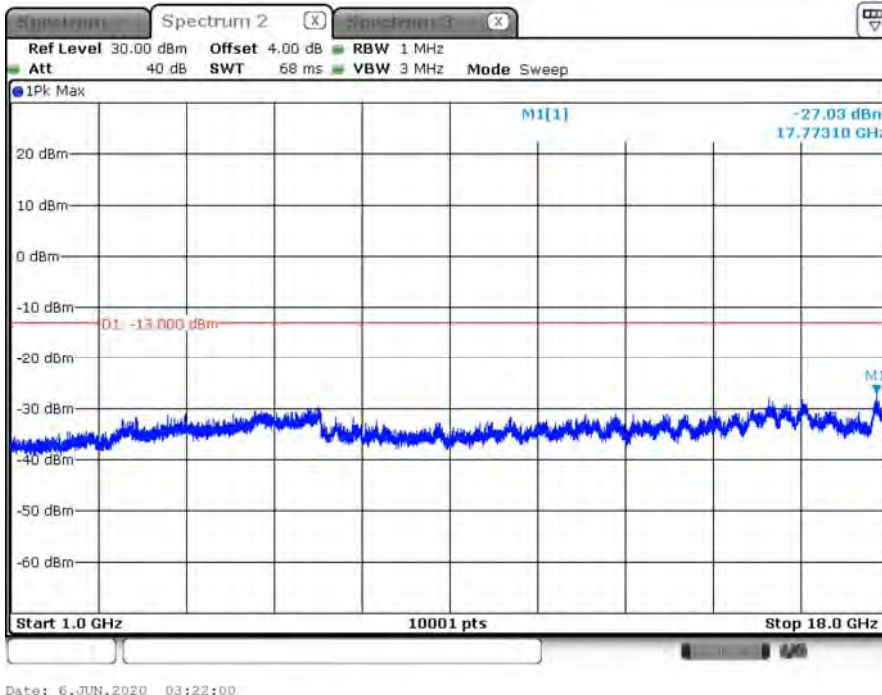
B26_3.75K_CH26788_BPSK_1RB0_TX_2 (Part 90)



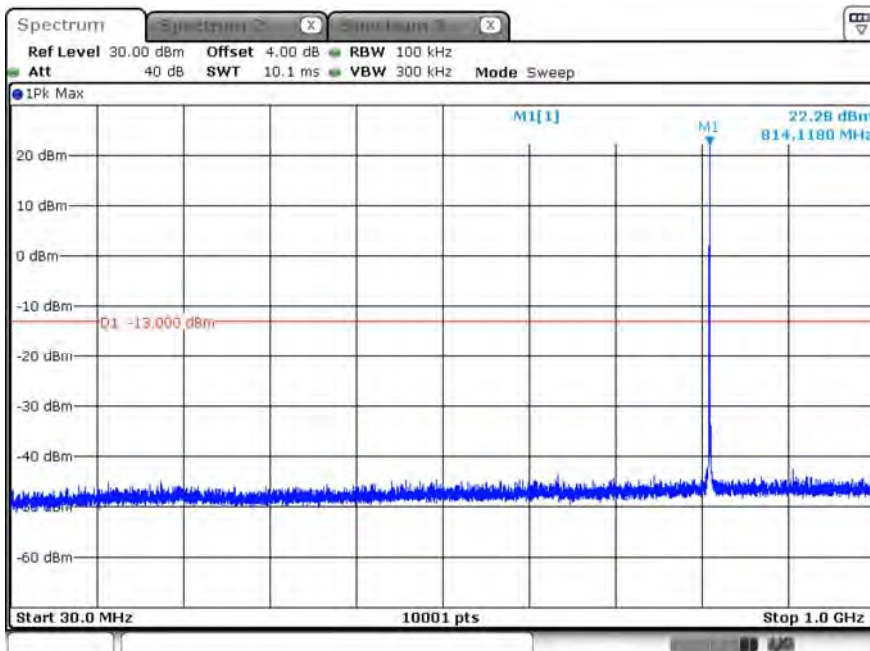
B26_3.75K_CH26788_QPSK_1RB0_TX_1 (Part 90)



B26_3.75K_CH26788_QPSK_1RB0_TX_2 (Part 90)

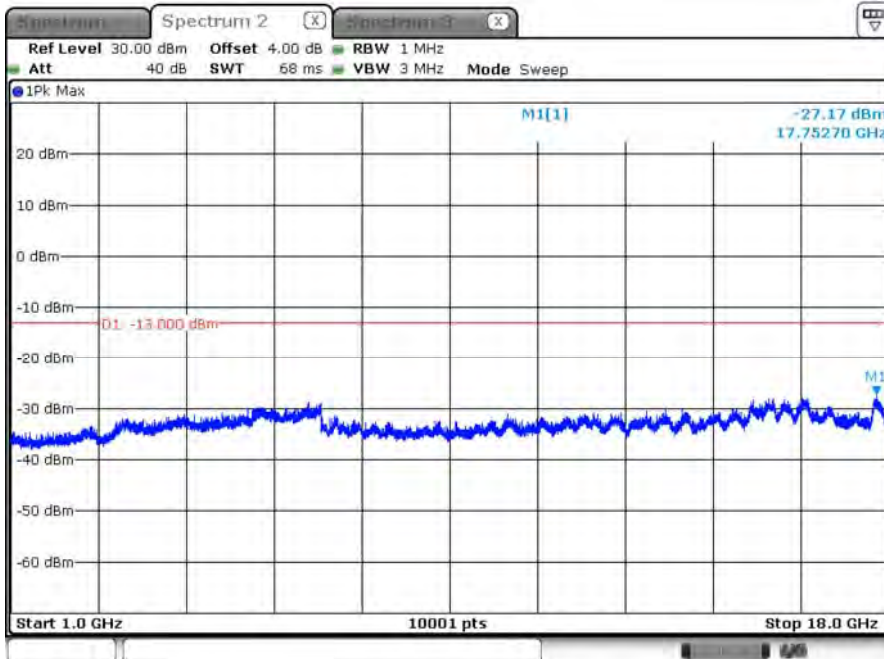


B26_15K_CH26692_BPSK_1RB0_TX_1 (Part 90)



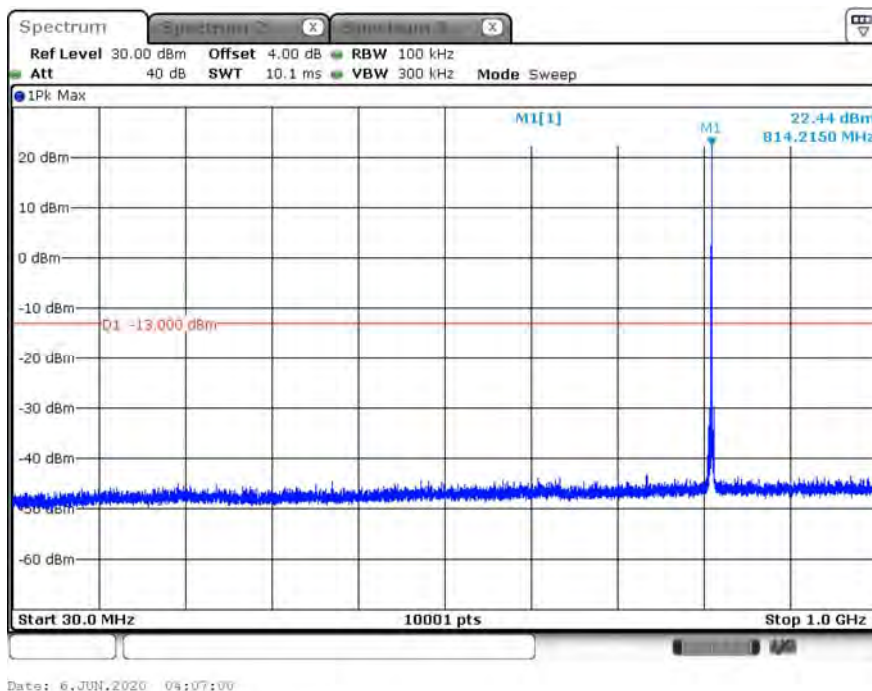
Date: 6.JUN.2020 03:54:48

B26_15K_CH26692_BPSK_1RB0_TX_2 (Part 90)

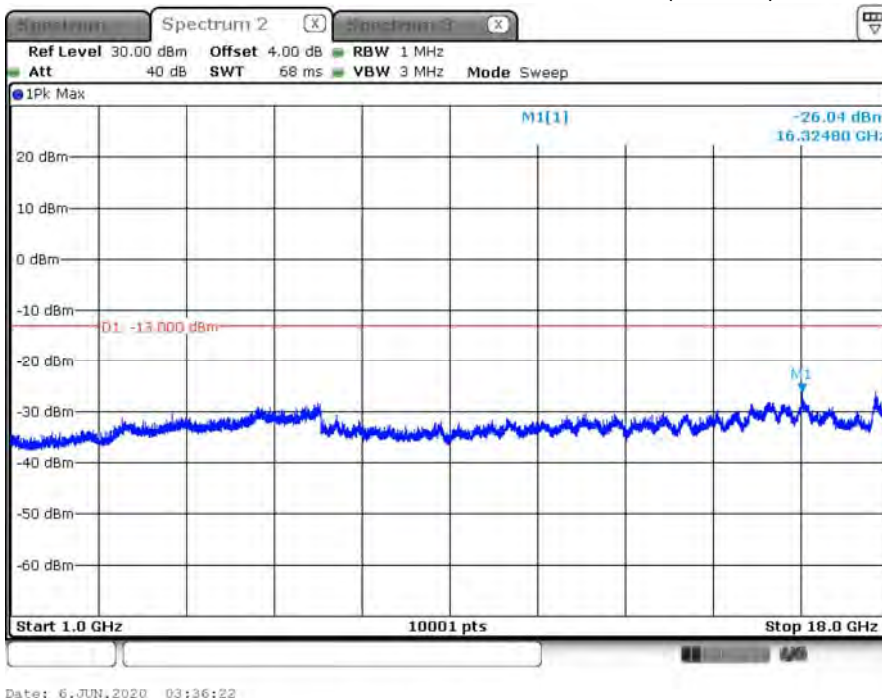


Date: 6.JUN.2020 03:38:03

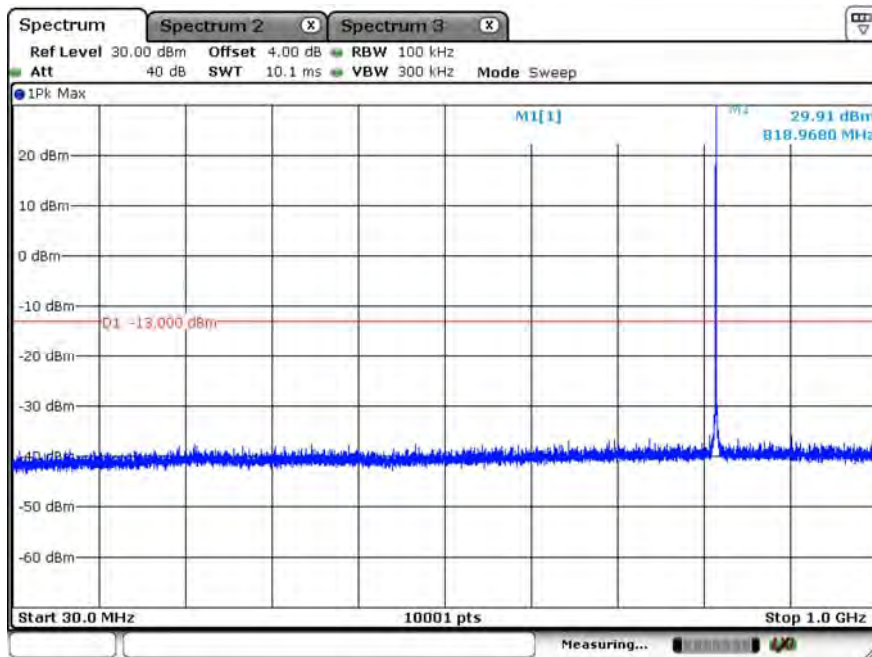
B26_15K_CH26692_QPSK_1RB0_TX_1 (Part 90)



B26_15K_CH26692_QPSK_1RB0_TX_2 (Part 90)

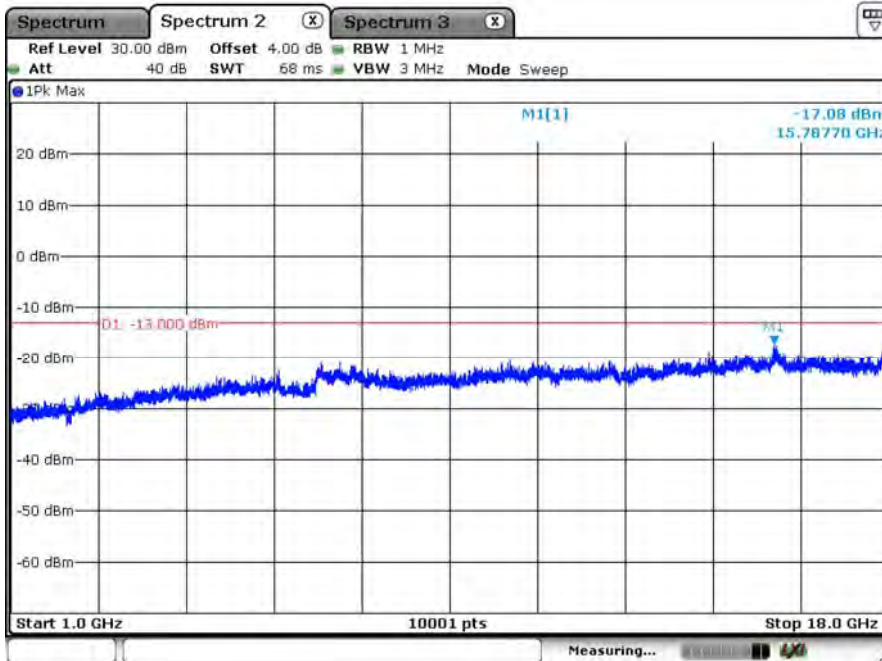


B26_15K_CH26740_BPSK_1RB0_TX_1 (Part 90)



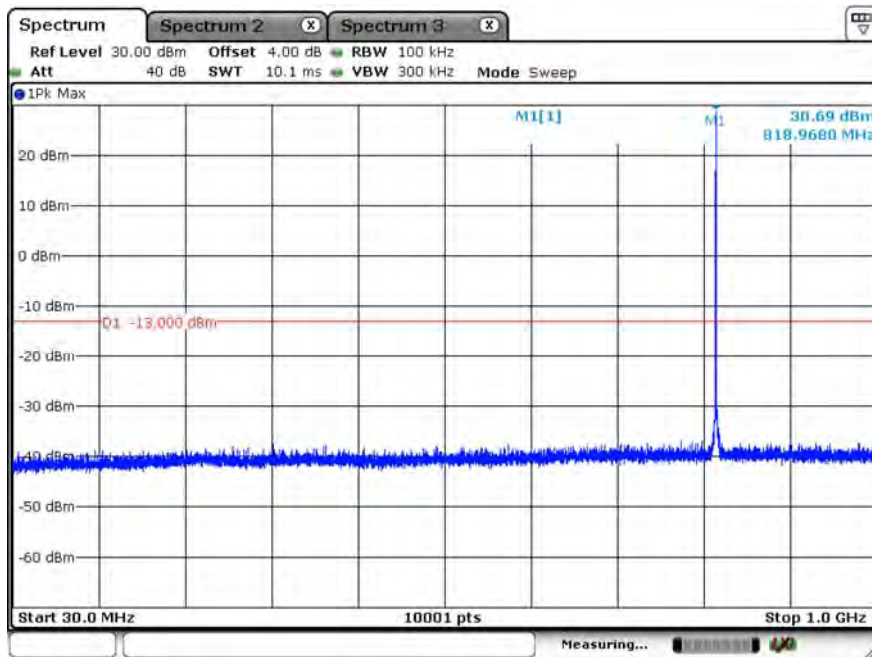
Date: 12.FEB.2020 17:02:35

B26_15K_CH26740_BPSK_1RB0_TX_2 (Part 90)



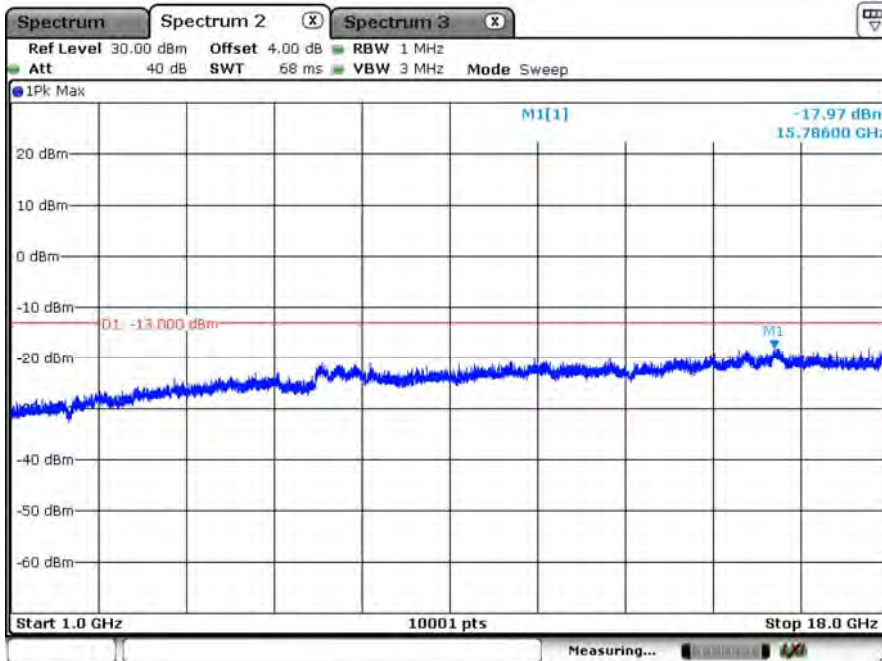
Date: 12.FEB.2020 17:03:10

B26_15K_CH26740_QPSK_1RB0_TX_1 (Part 90)



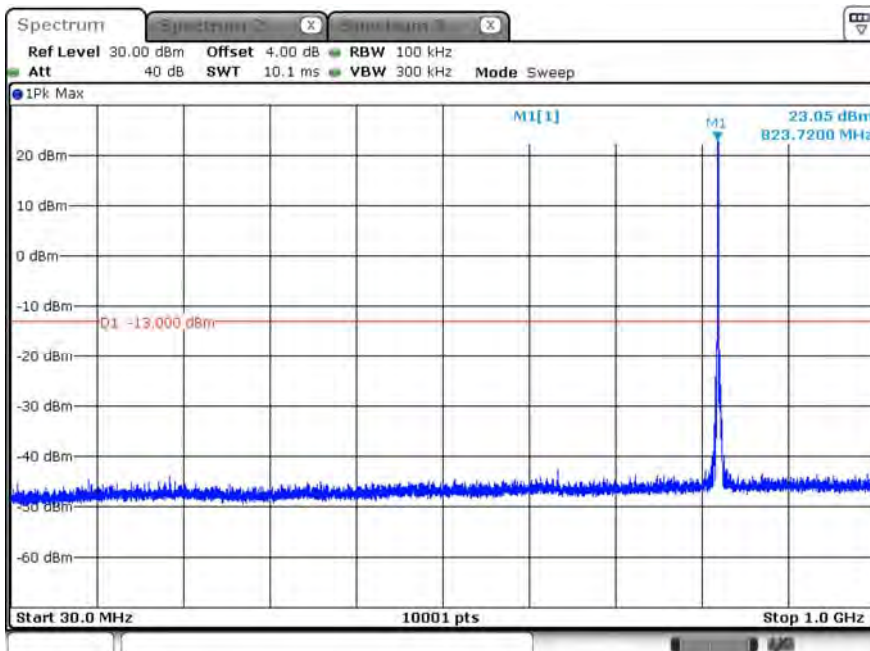
Date: 12.FEB.2020 17:05:21

B26_15K_CH26740_QPSK_1RB0_TX_2 (Part 90)

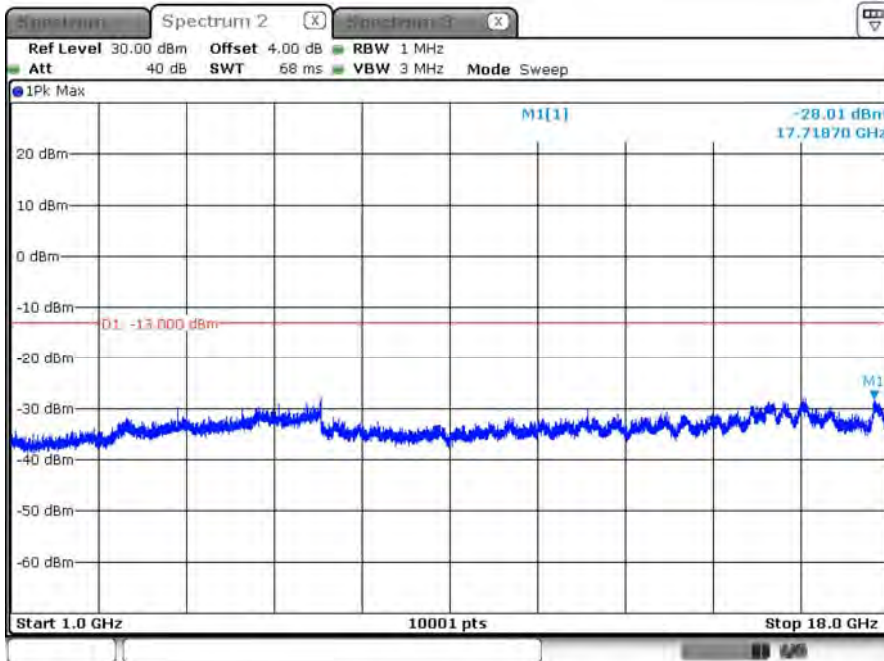


Date: 12.FEB.2020 17:04:45

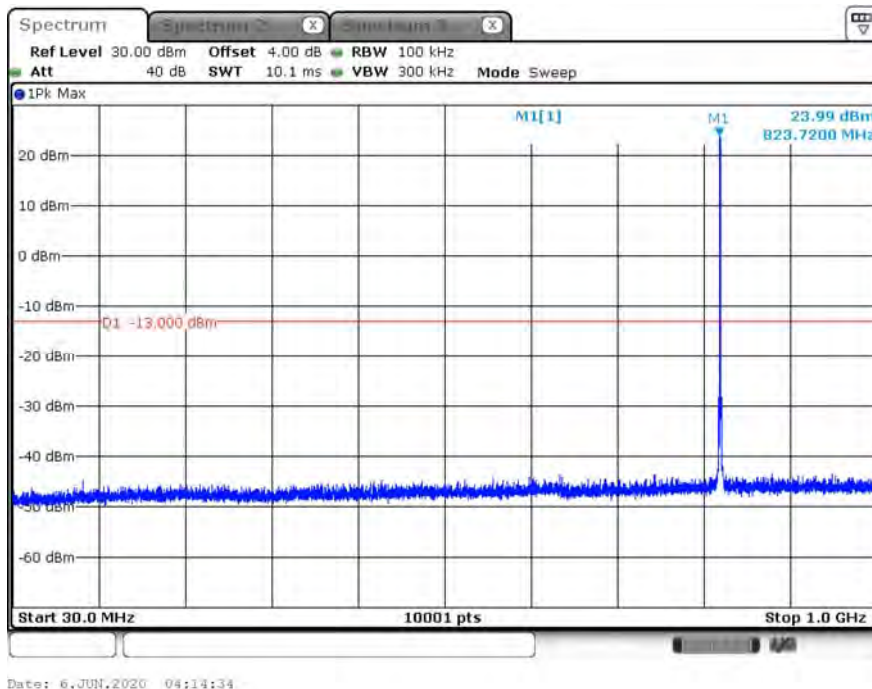
B26_15K_CH26788_BPSK_1RB0_TX_1 (Part 90)



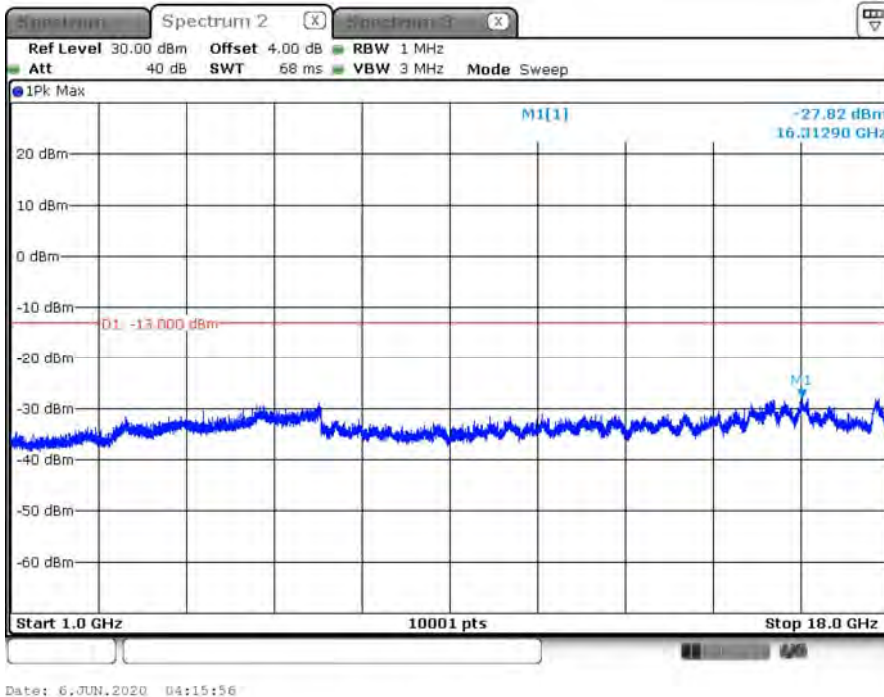
B26_15K_CH26788_BPSK_1RB0_TX_2 (Part 90)



B26_15K_CH26788_QPSK_1RB0_TX_1 (Part 90)

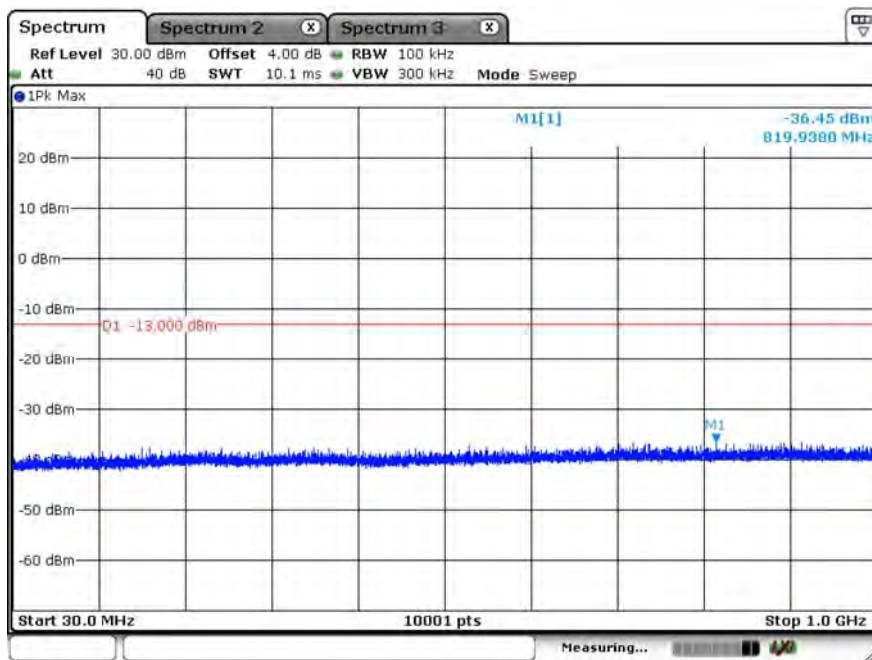


B26_15K_CH26788_QPSK_1RB0_TX_2 (Part 90)

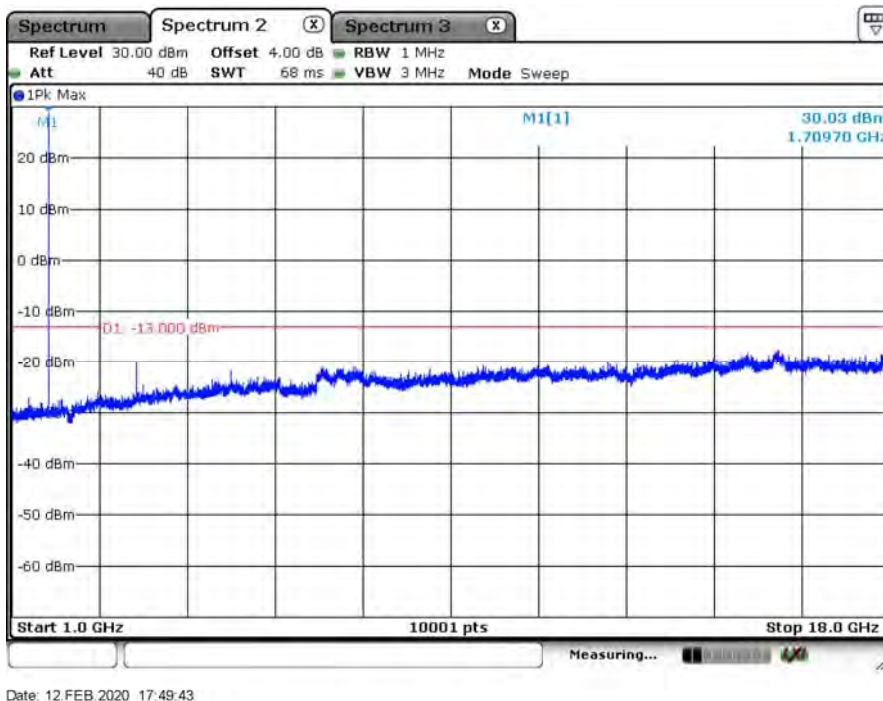


Product	Module		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 8 : LTE NB-IoT_Band 66		
Date of Test	2020/02/12	Test Site	SR12-H
Temperature (°C)	20	Humidity (%RH)	56

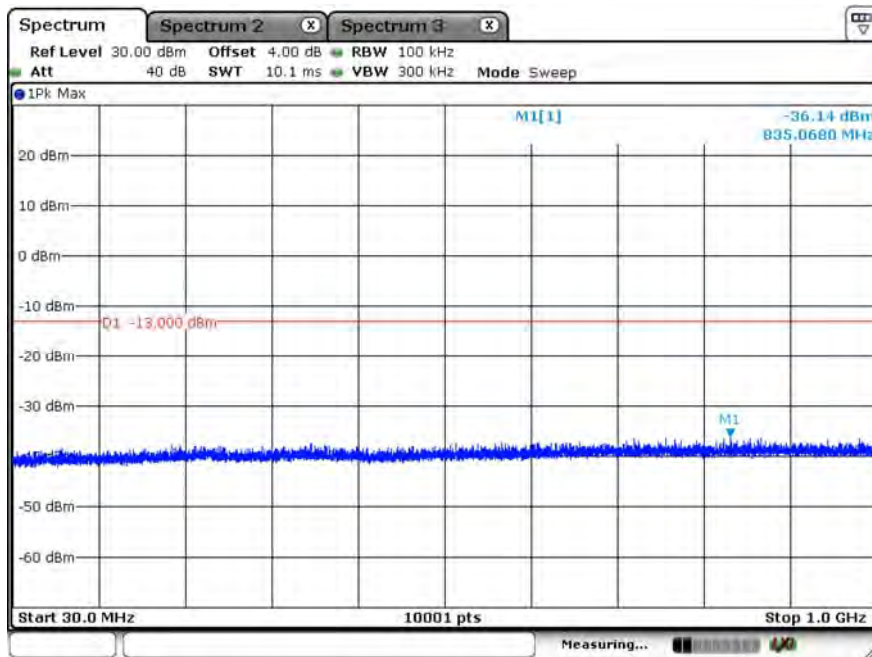
B66_3.75K_CH131974_BPSK_1RB0_TX_1



B66_3.75K_CH131974_BPSK_1RB0_TX_2

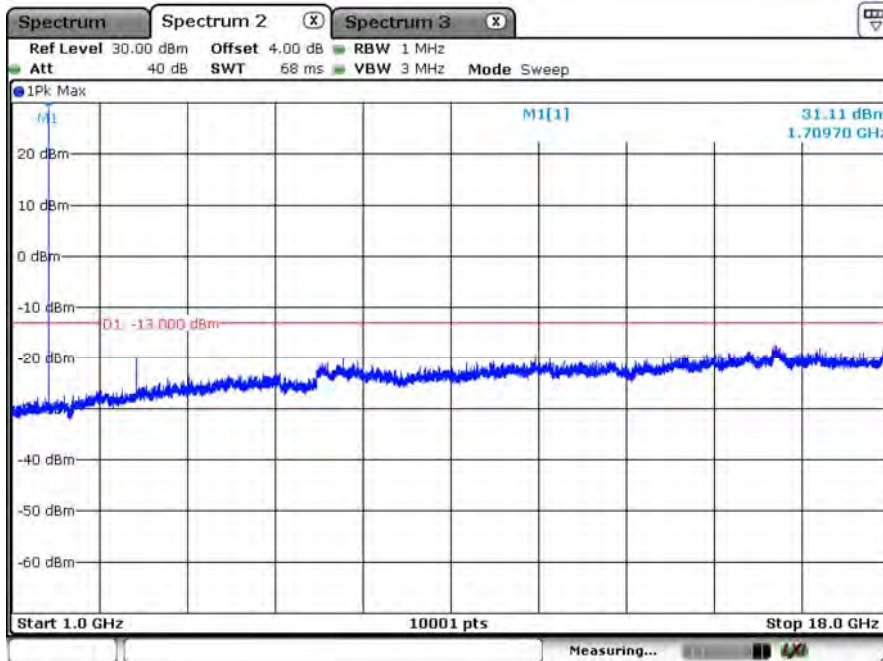


B66_3.75K_CH131974_QPSK_1RB0_TX_1



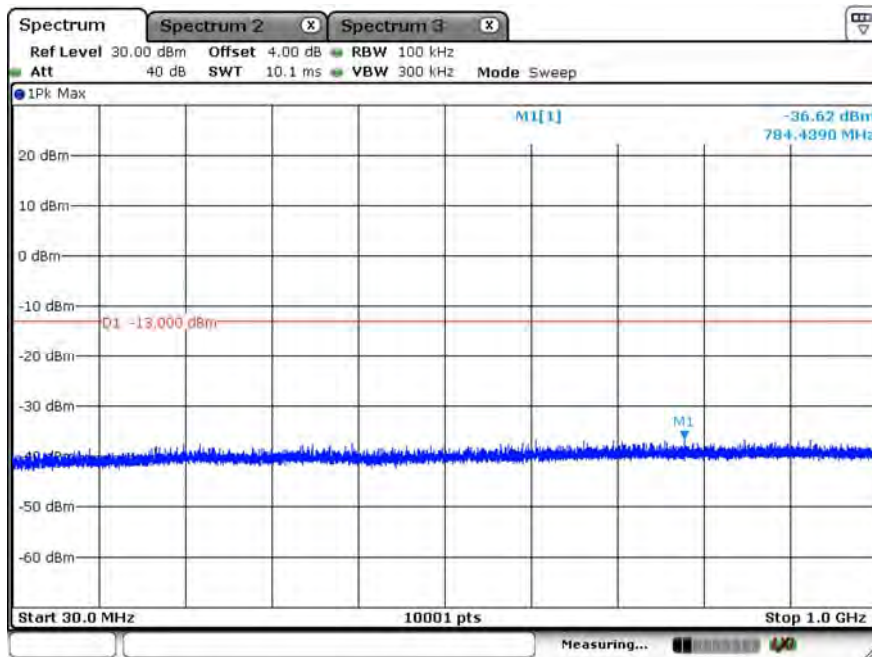
Date: 12.FEB.2020 17:45:27

B66_3.75K_CH131974_QPSK_1RB0_TX_2



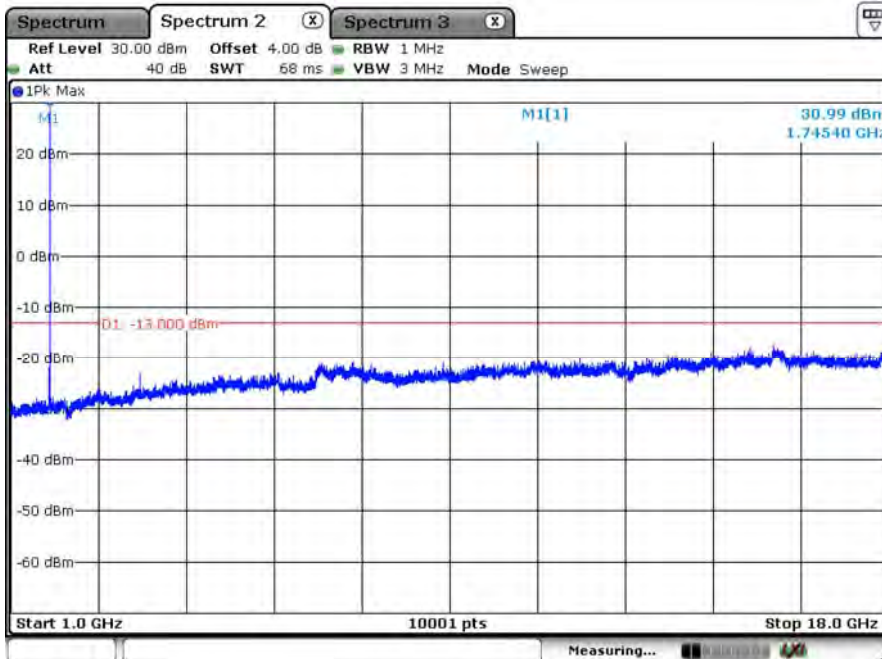
Date: 12.FEB.2020 17:47:34

B66_3.75K_CH132322_BPSK_1RB0_TX_1



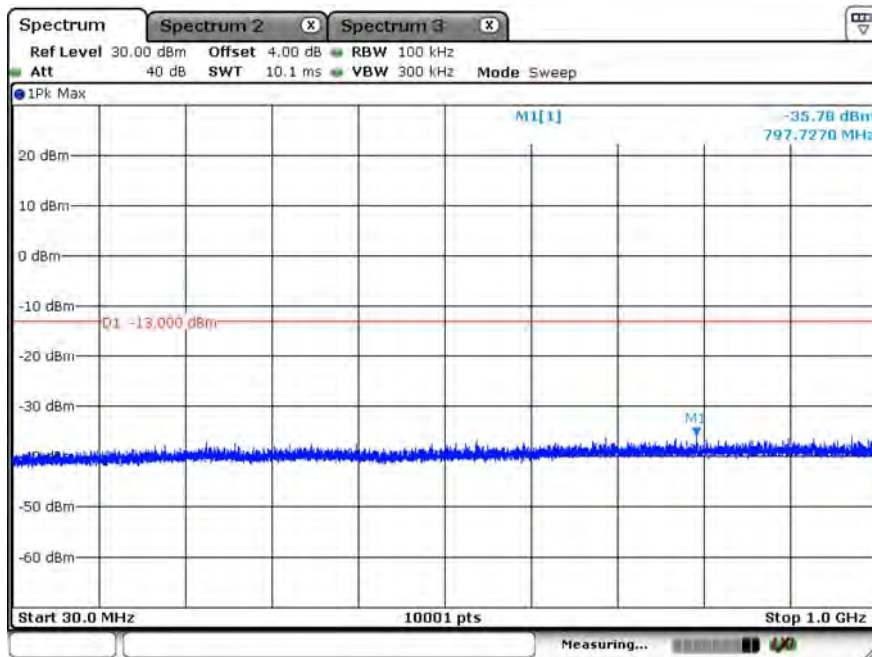
Date: 12.FEB.2020 17:37:21

B66_3.75K_CH132322_BPSK_1RB0_TX_2



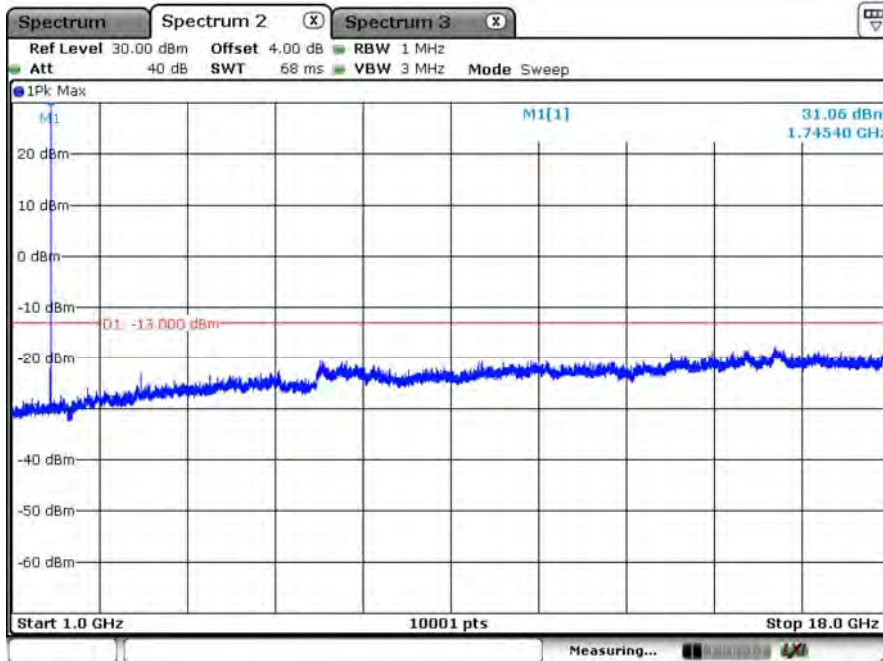
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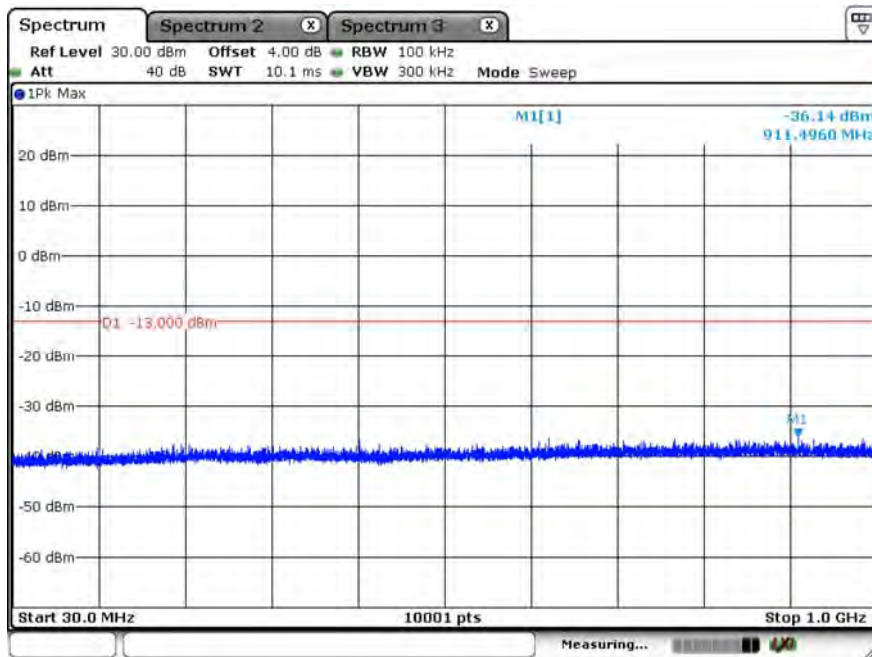
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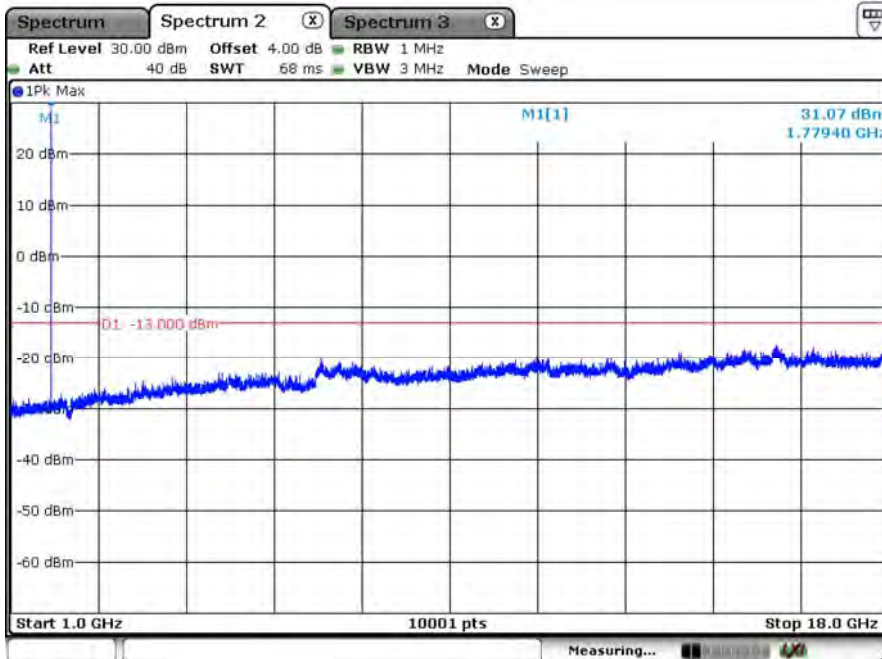
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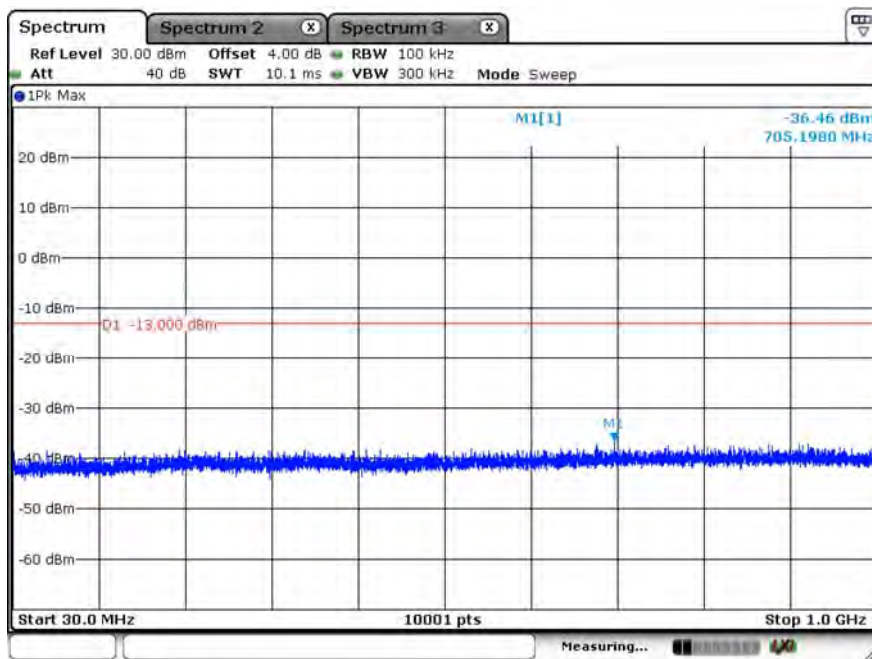
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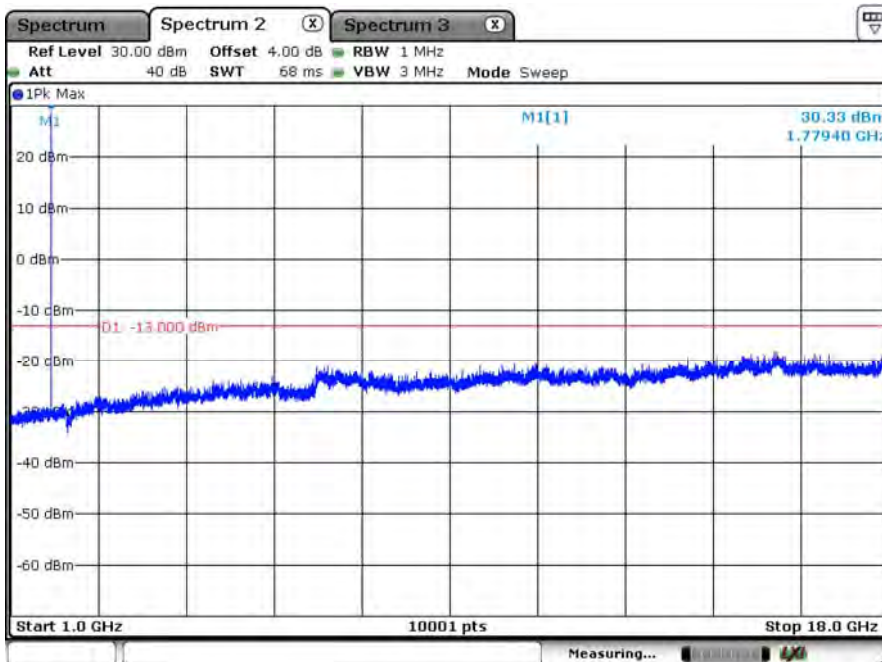
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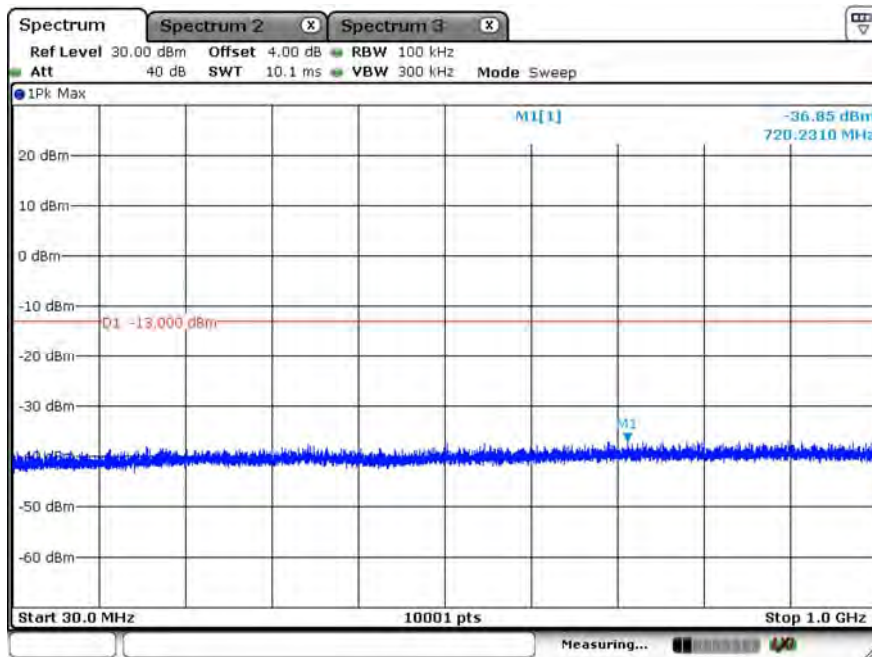
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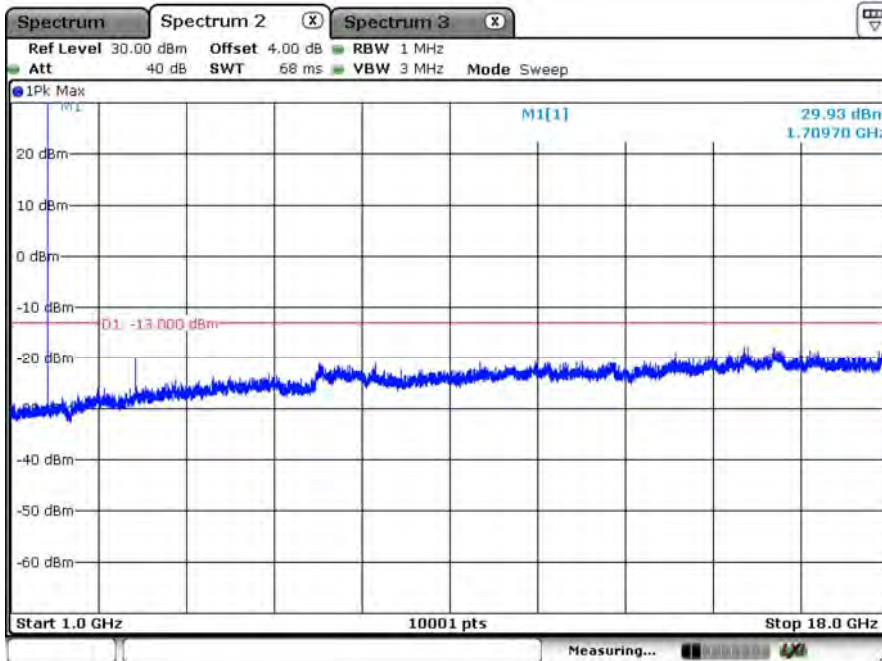
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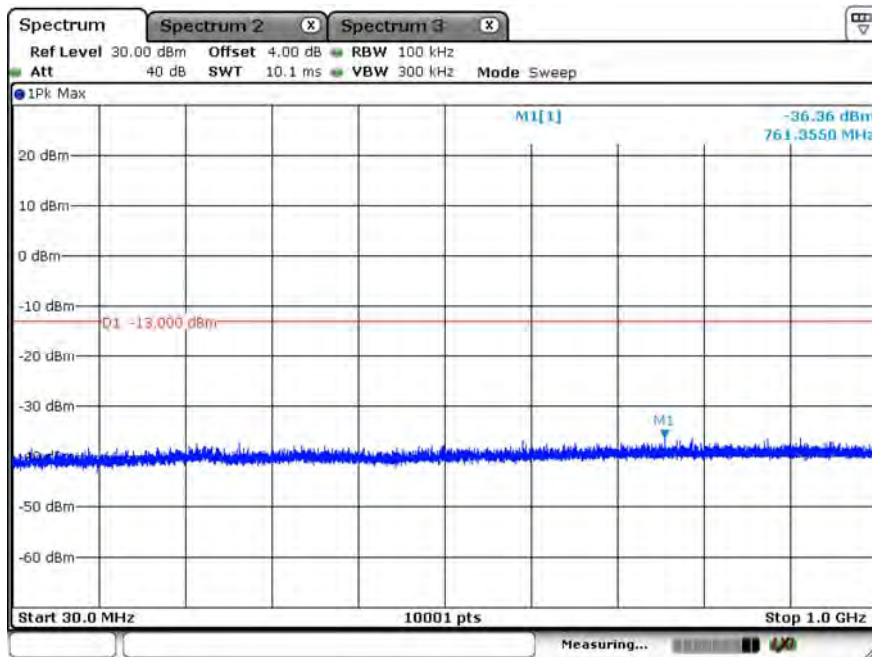
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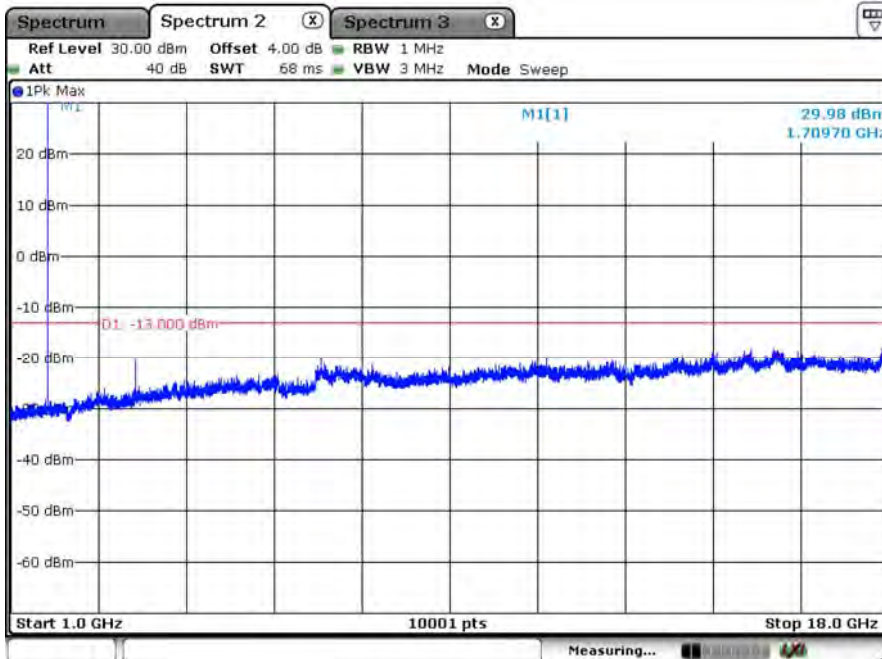
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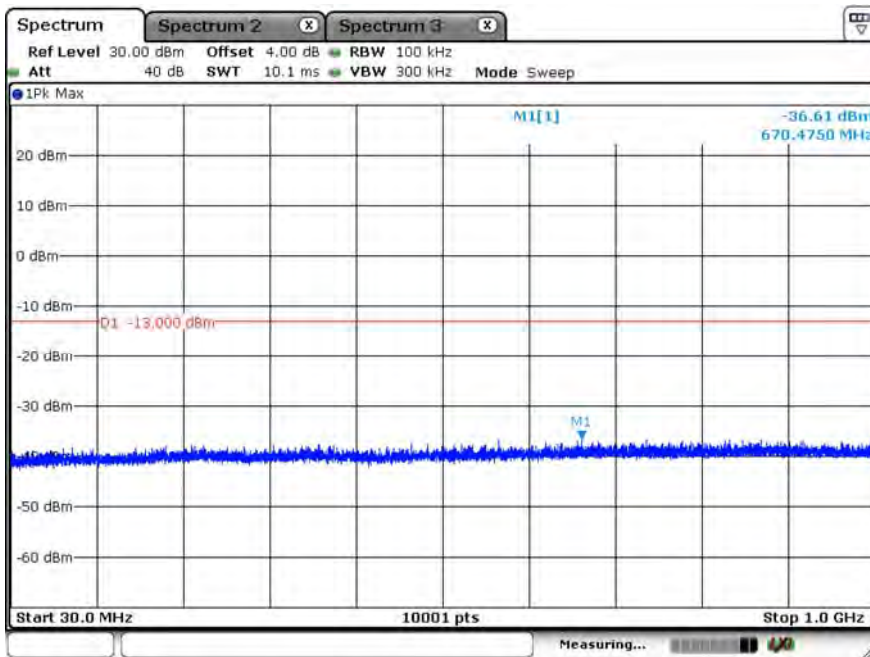
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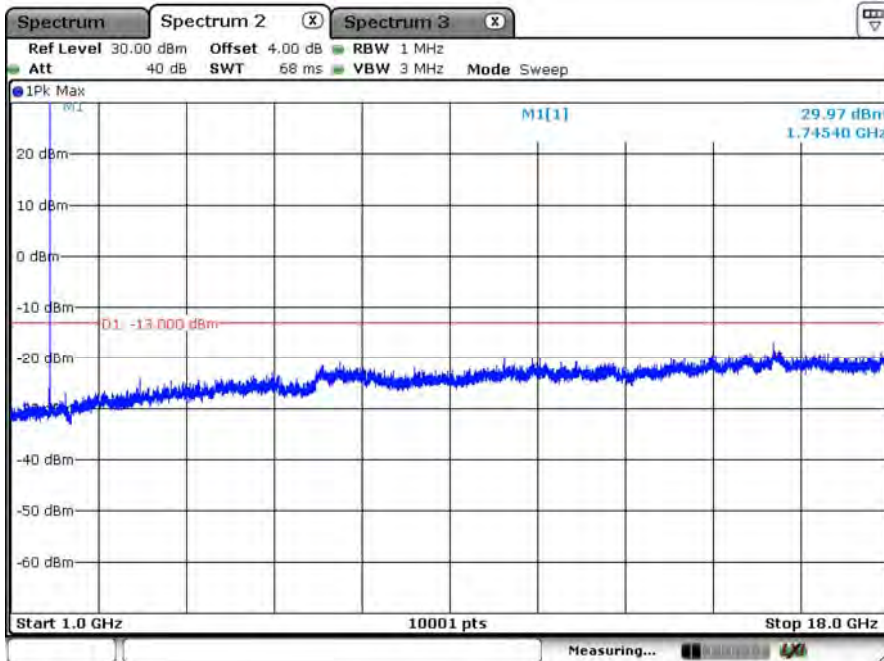
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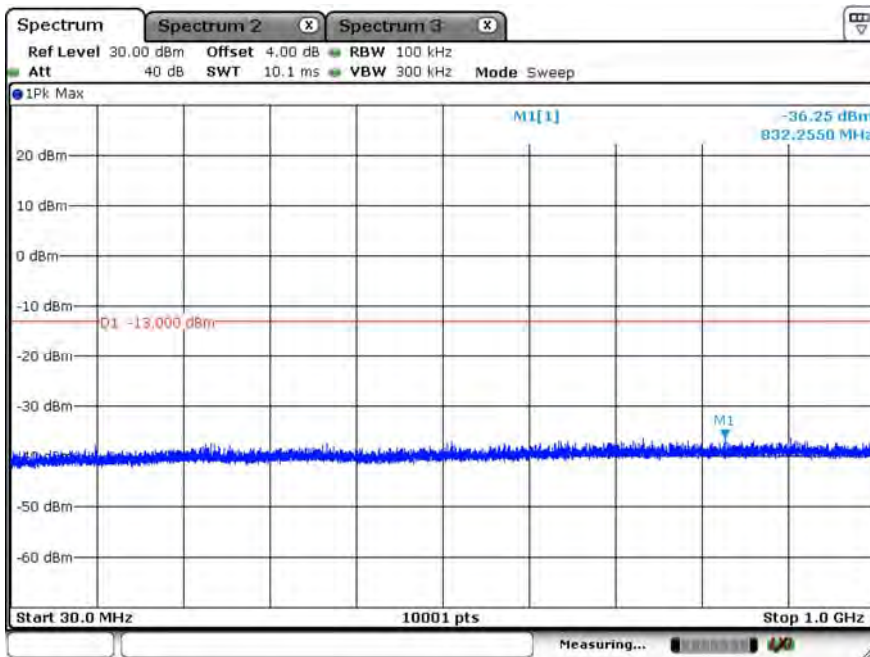
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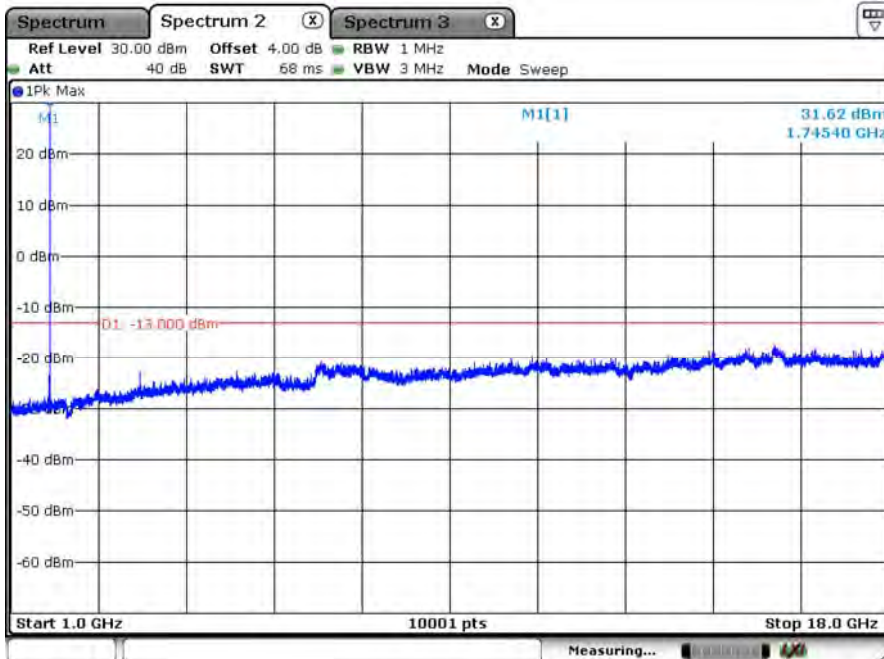
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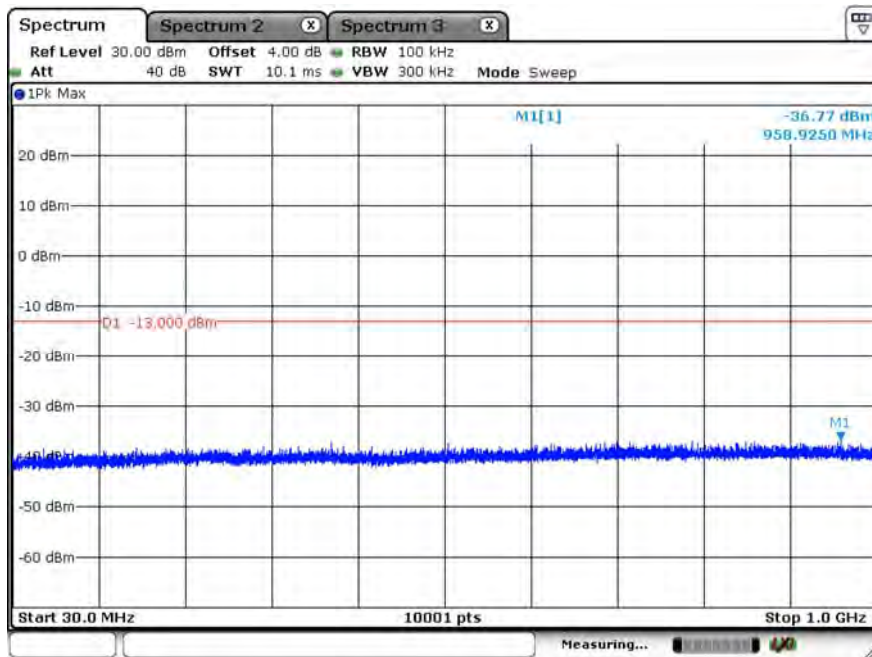
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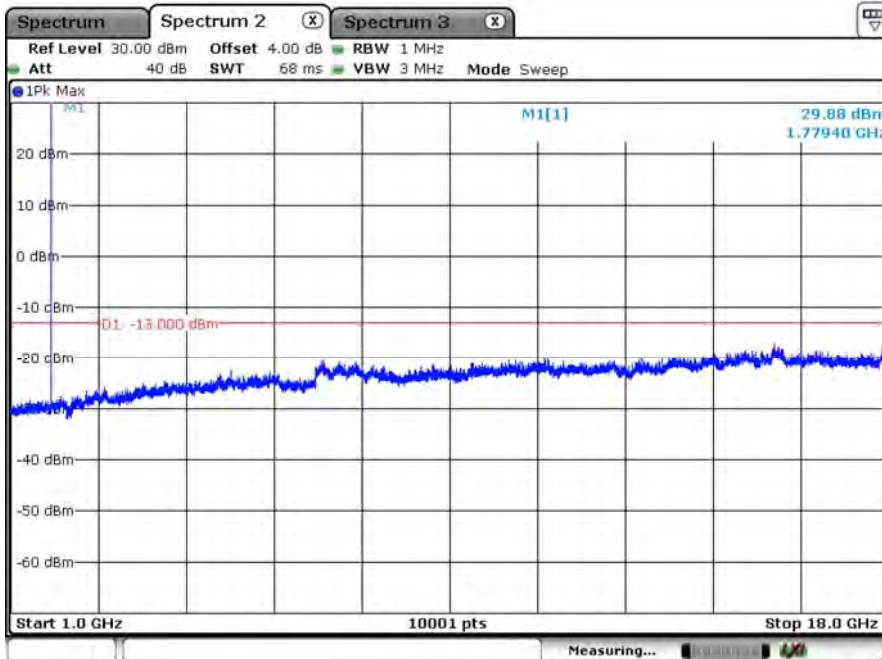
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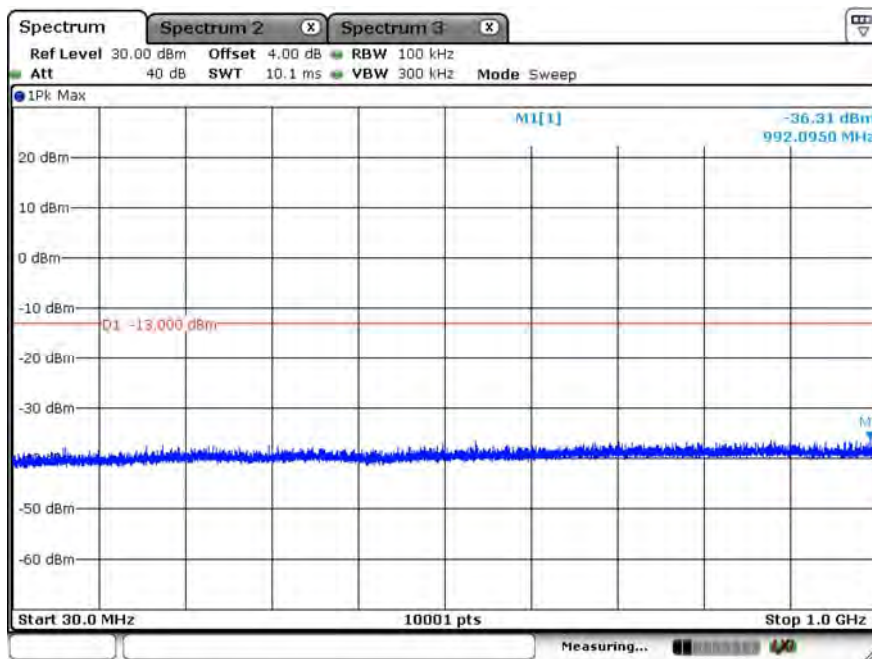
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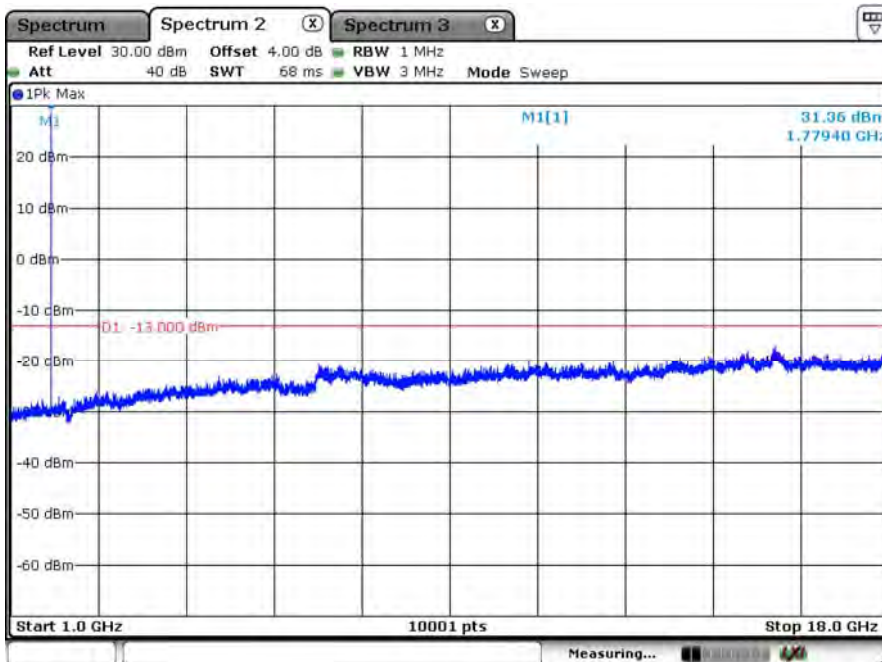
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B66_15K_CH132670_QPSK_1RB0_TX_1



Date: 12.FEB.2020 17:30:42

B66_15K_CH132670_QPSK_1RB0_TX_2



Date: 12.FEB.2020 17:27:59

Product	Module		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 1 : LTE NB-IoT_Band 2		
Date of Test	2020/01/20	Test Site	CB2-H
Temperature (°C)	19.0	Humidity (%RH)	54.0

BW 3.75k_CH 18602_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3700.400	-48.60	-13	-35.60	-56.70	12.61	4.51
	5550.600	-48.19	-13	-35.19	-55.65	13.13	5.67
	7400.800	-40.50	-13	-27.50	-45.22	11.32	6.60
	9251.000	-40.10	-13	-27.10	-44.72	11.83	7.20
	11101.200	-37.67	-13	-24.67	-41.38	11.66	7.96
	12951.400	-39.64	-13	-26.64	-44.63	13.63	8.63
V	3700.400	-48.55	-13	-35.55	-56.65	12.61	4.51
	5550.600	-47.79	-13	-34.79	-55.25	13.13	5.67
	7400.800	-40.92	-13	-27.92	-45.64	11.32	6.60
	9251.000	-40.39	-13	-27.39	-45.01	11.83	7.20
	11101.200	-38.12	-13	-25.12	-41.83	11.66	7.96
	12951.400	-39.61	-13	-26.61	-44.60	13.63	8.63

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 18602_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3700.400	-48.58	-13	-35.58	-56.68	12.61	4.51
	5550.600	-48.11	-13	-35.11	-55.57	13.13	5.67
	7400.800	-40.33	-13	-27.33	-45.05	11.32	6.60
	9251.000	-40.05	-13	-27.05	-44.67	11.83	7.20
	11101.200	-37.72	-13	-24.72	-41.43	11.66	7.96
	12951.400	-39.66	-13	-26.66	-44.65	13.63	8.63
V	3700.400	-48.58	-13	-35.58	-56.68	12.61	4.51
	5550.600	-47.88	-13	-34.88	-55.34	13.13	5.67
	7400.800	-40.98	-13	-27.98	-45.70	11.32	6.60
	9251.000	-41.11	-13	-28.11	-45.73	11.83	7.20
	11101.200	-38.23	-13	-25.23	-41.94	11.66	7.96
	12951.400	-39.79	-13	-26.79	-44.78	13.63	8.63

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 18900_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3760.000	-49.10	-13	-36.10	-57.17	12.60	4.54
	5640.000	-48.40	-13	-35.40	-55.80	13.10	5.70
	7520.000	-40.95	-13	-27.95	-45.57	11.24	6.61
	9400.000	-40.28	-13	-27.28	-44.78	11.79	7.29
	11280.000	-37.14	-13	-24.14	-41.00	11.92	8.06
	13160.000	-38.10	-13	-25.10	-42.72	13.33	8.70
V	3760.000	-47.35	-13	-34.35	-55.42	12.60	4.54
	5640.000	-48.03	-13	-35.03	-55.43	13.10	5.70
	7520.000	-38.28	-13	-25.28	-42.90	11.24	6.61
	9400.000	-40.04	-13	-27.04	-44.54	11.79	7.29
	11280.000	-36.61	-13	-23.61	-40.47	11.92	8.06
	13160.000	-38.13	-13	-25.13	-42.75	13.33	8.70

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 18900_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3760.000	-49.36	-13	-36.36	-57.43	12.60	4.54
	5640.000	-48.38	-13	-35.38	-55.78	13.10	5.70
	7520.000	-41.12	-13	-28.12	-45.74	11.24	6.61
	9400.000	-40.37	-13	-27.37	-44.87	11.79	7.29
	11280.000	-37.39	-13	-24.39	-41.25	11.92	8.06
	13160.000	-38.15	-13	-25.15	-42.77	13.33	8.70
V	3760.000	-47.40	-13	-34.40	-55.47	12.60	4.54
	5640.000	-48.15	-13	-35.15	-55.55	13.10	5.70
	7520.000	-38.37	-13	-25.37	-42.99	11.24	6.61
	9400.000	-40.26	-13	-27.26	-44.76	11.79	7.29
	11280.000	-36.70	-13	-23.70	-40.56	11.92	8.06
	13160.000	-38.44	-13	-25.44	-43.06	13.33	8.70

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 19198_BPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3819.600	-50.58	-13	-37.58	-58.62	12.60	4.57
	5729.400	-48.06	-13	-35.06	-55.41	13.08	5.73
	7639.200	-40.56	-13	-27.56	-45.21	11.24	6.60
	9549.000	-38.93	-13	-25.93	-43.37	11.80	7.36
	11458.800	-38.00	-13	-25.00	-42.02	12.17	8.16
	13368.600	-36.21	-13	-23.21	-40.42	12.97	8.76
V	3819.600	-50.55	-13	-37.55	-58.59	12.60	4.57
	5729.400	-47.53	-13	-34.53	-54.88	13.08	5.73
	7639.200	-39.23	-13	-26.23	-43.88	11.24	6.60
	9549.000	-38.99	-13	-25.99	-43.43	11.80	7.36
	11458.800	-38.02	-13	-25.02	-42.04	12.17	8.16
	13368.600	-36.37	-13	-23.37	-40.58	12.97	8.76

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 19198_QPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3819.600	-50.46	-13	-37.46	-58.50	12.60	4.57
	5729.400	-48.53	-13	-35.53	-55.88	13.08	5.73
	7639.200	-40.69	-13	-27.69	-45.34	11.24	6.60
	9549.000	-38.52	-13	-25.52	-42.96	11.80	7.36
	11458.800	-38.37	-13	-25.37	-42.39	12.17	8.16
	13368.600	-36.40	-13	-23.40	-40.61	12.97	8.76
V	3819.600	-50.60	-13	-37.60	-58.64	12.60	4.57
	5729.400	-47.51	-13	-34.51	-54.86	13.08	5.73
	7639.200	-39.30	-13	-26.30	-43.95	11.24	6.60
	9549.000	-38.66	-13	-25.66	-43.10	11.80	7.36
	11458.800	-38.19	-13	-25.19	-42.21	12.17	8.16
	13368.600	-36.73	-13	-23.73	-40.94	12.97	8.76

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 18602_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3700.400	-49.01	-13	-36.01	-57.11	12.61	4.51
	5550.600	-48.27	-13	-35.27	-55.73	13.13	5.67
	7400.800	-41.63	-13	-28.63	-46.35	11.32	6.60
	9251.000	-40.45	-13	-27.45	-45.07	11.83	7.20
	11101.200	-38.47	-13	-25.47	-42.18	11.66	7.96
	12951.400	-39.24	-13	-26.24	-44.23	13.63	8.63
V	3700.400	-49.20	-13	-36.20	-57.30	12.61	4.51
	5550.600	-48.36	-13	-35.36	-55.82	13.13	5.67
	7400.800	-40.53	-13	-27.53	-45.25	11.32	6.60
	9251.000	-40.23	-13	-27.23	-44.85	11.83	7.20
	11101.200	-38.55	-13	-25.55	-42.26	11.66	7.96
	12951.400	-39.37	-13	-26.37	-44.36	13.63	8.63

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 18602_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3700.400	-49.07	-13	-36.07	-57.17	12.61	4.51
	5550.600	-48.35	-13	-35.35	-55.81	13.13	5.67
	7400.800	-41.77	-13	-28.77	-46.49	11.32	6.60
	9251.000	-40.53	-13	-27.53	-45.15	11.83	7.20
	11101.200	-38.51	-13	-25.51	-42.22	11.66	7.96
	12951.400	-39.36	-13	-26.36	-44.35	13.63	8.63
V	3700.400	-49.25	-13	-36.25	-57.35	12.61	4.51
	5550.600	-48.55	-13	-35.55	-56.01	13.13	5.67
	7400.800	-40.60	-13	-27.60	-45.32	11.32	6.60
	9251.000	-40.52	-13	-27.52	-45.14	11.83	7.20
	11101.200	-38.39	-13	-25.39	-42.10	11.66	7.96
	12951.400	-39.01	-13	-26.01	-44.00	13.63	8.63

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 18900_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3760.000	-49.05	-13	-36.05	-57.12	12.60	4.54
	5640.000	-48.33	-13	-35.33	-55.73	13.10	5.70
	7520.000	-41.12	-13	-28.12	-45.74	11.24	6.61
	9400.000	-40.35	-13	-27.35	-44.85	11.79	7.29
	11280.000	-37.28	-13	-24.28	-41.14	11.92	8.06
	13160.000	-38.09	-13	-25.09	-42.71	13.33	8.70
V	3760.000	-47.48	-13	-34.48	-55.55	12.60	4.54
	5640.000	-48.23	-13	-35.23	-55.63	13.10	5.70
	7520.000	-38.47	-13	-25.47	-43.09	11.24	6.61
	9400.000	-40.06	-13	-27.06	-44.56	11.79	7.29
	11280.000	-36.79	-13	-23.79	-40.65	11.92	8.06
	13160.000	-38.17	-13	-25.17	-42.79	13.33	8.70

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 18900_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3760.000	-49.12	-13	-36.12	-57.19	12.60	4.54
	5640.000	-48.26	-13	-35.26	-55.66	13.10	5.70
	7520.000	-41.53	-13	-28.53	-46.15	11.24	6.61
	9400.000	-40.67	-13	-27.67	-45.17	11.79	7.29
	11280.000	-37.30	-13	-24.30	-41.16	11.92	8.06
	13160.000	-38.55	-13	-25.55	-43.17	13.33	8.70
V	3760.000	-47.36	-13	-34.36	-55.43	12.60	4.54
	5640.000	-48.60	-13	-35.60	-56.00	13.10	5.70
	7520.000	-38.53	-13	-25.53	-43.15	11.24	6.61
	9400.000	-40.25	-13	-27.25	-44.75	11.79	7.29
	11280.000	-36.38	-13	-23.38	-40.24	11.92	8.06
	13160.000	-38.50	-13	-25.50	-43.12	13.33	8.70

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 19198_BPSK_1RB11

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3819.600	-50.66	-13	-37.66	-58.70	12.60	4.57
	5729.400	-48.12	-13	-35.12	-55.47	13.08	5.73
	7639.200	-40.63	-13	-27.63	-45.28	11.24	6.60
	9549.000	-38.76	-13	-25.76	-43.20	11.80	7.36
	11458.800	-38.23	-13	-25.23	-42.25	12.17	8.16
	13368.600	-36.33	-13	-23.33	-40.54	12.97	8.76
V	3819.600	-50.51	-13	-37.51	-58.55	12.60	4.57
	5729.400	-47.68	-13	-34.68	-55.03	13.08	5.73
	7639.200	-39.50	-13	-26.50	-44.15	11.24	6.60
	9549.000	-38.85	-13	-25.85	-43.29	11.80	7.36
	11458.800	-38.11	-13	-25.11	-42.13	12.17	8.16
	13368.600	-36.47	-13	-23.47	-40.68	12.97	8.76

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 19198_QPSK_1RB11

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3819.600	-50.80	-13	-37.80	-58.84	12.60	4.57
	5729.400	-48.37	-13	-35.37	-55.72	13.08	5.73
	7639.200	-40.35	-13	-27.35	-45.00	11.24	6.60
	9549.000	-38.57	-13	-25.57	-43.01	11.80	7.36
	11458.800	-38.46	-13	-25.46	-42.48	12.17	8.16
	13368.600	-36.39	-13	-23.39	-40.60	12.97	8.76
V	3819.600	-50.58	-13	-37.58	-58.62	12.60	4.57
	5729.400	-47.61	-13	-34.61	-54.96	13.08	5.73
	7639.200	-39.75	-13	-26.75	-44.40	11.24	6.60
	9549.000	-38.86	-13	-25.86	-43.30	11.80	7.36
	11458.800	-38.03	-13	-25.03	-42.05	12.17	8.16
	13368.600	-36.29	-13	-23.29	-40.50	12.97	8.76

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

Product	Module		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 2 : LTE NB-IoT_Band 4		
Date of Test	2020/01/20	Test Site	CB2-H
Temperature (°C)	19.0	Humidity (%RH)	54.0

BW 3.75k_CH 19952_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3420.400	-38.84	-13	-25.84	-46.92	12.44	4.35
	5130.600	-47.91	-13	-34.91	-55.30	12.78	5.39
	6840.800	-43.83	-13	-30.83	-49.31	11.84	6.36
	8551.000	-38.99	-13	-25.99	-43.95	11.87	6.91
	10261.200	-38.74	-13	-25.74	-42.99	11.87	7.61
	11971.400	-38.01	-13	-25.01	-42.91	13.12	8.22
V	3420.400	-35.16	-13	-22.16	-43.24	12.44	4.35
	5130.600	-47.47	-13	-34.47	-54.86	12.78	5.39
	6840.800	-43.54	-13	-30.54	-49.02	11.84	6.36
	8551.000	-39.84	-13	-26.84	-44.80	11.87	6.91
	10261.200	-38.75	-13	-25.75	-43.00	11.87	7.61
	11971.400	-37.96	-13	-24.96	-42.86	13.12	8.22

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 19952_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3420.400	-38.91	-13	-25.91	-46.99	12.44	4.35
	5130.600	-47.80	-13	-34.80	-55.19	12.78	5.39
	6840.800	-43.77	-13	-30.77	-49.25	11.84	6.36
	8551.000	-38.76	-13	-25.76	-43.72	11.87	6.91
	10261.200	-38.92	-13	-25.92	-43.17	11.87	7.61
	11971.400	-38.25	-13	-25.25	-43.15	13.12	8.22
V	3420.400	-35.30	-13	-22.30	-43.38	12.44	4.35
	5130.600	-47.53	-13	-34.53	-54.92	12.78	5.39
	6840.800	-43.66	-13	-30.66	-49.14	11.84	6.36
	8551.000	-39.90	-13	-26.90	-44.86	11.87	6.91
	10261.200	-38.70	-13	-25.70	-42.95	11.87	7.61
	11971.400	-37.81	-13	-24.81	-42.71	13.12	8.22

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20175_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3465.000	-37.45	-13	-24.45	-45.60	12.53	4.38
	5197.500	-47.67	-13	-34.67	-55.08	12.84	5.43
	6930.000	-42.43	-13	-29.43	-47.70	11.73	6.46
	8662.500	-39.51	-13	-26.51	-44.43	11.87	6.95
	10395.000	-38.97	-13	-25.97	-43.04	11.75	7.68
	12127.500	-37.95	-13	-24.95	-43.04	13.35	8.26
V	3465.000	-36.03	-13	-23.03	-44.18	12.53	4.38
	5197.500	-47.85	-13	-34.85	-55.26	12.84	5.43
	6930.000	-42.74	-13	-29.74	-48.01	11.73	6.46
	8662.500	-40.48	-13	-27.48	-45.40	11.87	6.95
	10395.000	-38.52	-13	-25.52	-42.59	11.75	7.68
	12127.500	-37.19	-13	-24.19	-42.28	13.35	8.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20175_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3465.000	-37.22	-13	-24.22	-45.37	12.53	4.38
	5197.500	-47.53	-13	-34.53	-54.94	12.84	5.43
	6930.000	-41.82	-13	-28.82	-47.09	11.73	6.46
	8662.500	-38.87	-13	-25.87	-43.79	11.87	6.95
	10395.000	-38.55	-13	-25.55	-42.62	11.75	7.68
	12127.500	-37.66	-13	-24.66	-42.75	13.35	8.26
V	3465.000	-36.00	-13	-23.00	-44.15	12.53	4.38
	5197.500	-48.10	-13	-35.10	-55.51	12.84	5.43
	6930.000	-42.24	-13	-29.24	-47.51	11.73	6.46
	8662.500	-40.33	-13	-27.33	-45.25	11.87	6.95
	10395.000	-38.54	-13	-25.54	-42.61	11.75	7.68
	12127.500	-37.84	-13	-24.84	-42.93	13.35	8.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20398_BPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3509.600	-40.09	-13	-27.09	-48.28	12.61	4.42
	5264.400	-47.32	-13	-34.32	-54.75	12.91	5.48
	7019.200	-40.98	-13	-27.98	-46.07	11.63	6.54
	8774.000	-39.76	-13	-26.76	-44.65	11.88	6.99
	10528.800	-37.80	-13	-24.80	-41.70	11.65	7.75
	12283.600	-38.21	-13	-25.21	-43.47	13.57	8.31
V	3509.600	-40.22	-13	-27.22	-48.41	12.61	4.42
	5264.400	-47.37	-13	-34.37	-54.80	12.91	5.48
	7019.200	-40.48	-13	-27.48	-45.57	11.63	6.54
	8774.000	-40.36	-13	-27.36	-45.25	11.88	6.99
	10528.800	-38.08	-13	-25.08	-41.98	11.65	7.75
	12283.600	-38.06	-13	-25.06	-43.32	13.57	8.31

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20398_QPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3509.600	-39.71	-13	-26.71	-47.90	12.61	4.42
	5264.400	-47.96	-13	-34.96	-55.39	12.91	5.48
	7019.200	-41.26	-13	-28.26	-46.35	11.63	6.54
	8774.000	-40.32	-13	-27.32	-45.21	11.88	6.99
	10528.800	-38.42	-13	-25.42	-42.32	11.65	7.75
	12283.600	-37.84	-13	-24.84	-43.10	13.57	8.31
V	3509.600	-40.20	-13	-27.20	-48.39	12.61	4.42
	5264.400	-47.32	-13	-34.32	-54.75	12.91	5.48
	7019.200	-40.46	-13	-27.46	-45.55	11.63	6.54
	8774.000	-40.67	-13	-27.67	-45.56	11.88	6.99
	10528.800	-39.33	-13	-26.33	-43.23	11.65	7.75
	12283.600	-39.28	-13	-26.28	-44.54	13.57	8.31

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 19952_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3420.400	-38.69	-13	-25.69	-46.77	12.44	4.35
	5130.600	-47.78	-13	-34.78	-55.17	12.78	5.39
	6840.800	-43.96	-13	-30.96	-49.44	11.84	6.36
	8551.000	-38.63	-13	-25.63	-43.59	11.87	6.91
	10261.200	-38.70	-13	-25.70	-42.95	11.87	7.61
	11971.400	-38.22	-13	-25.22	-43.12	13.12	8.22
V	3420.400	-35.25	-13	-22.25	-43.33	12.44	4.35
	5130.600	-47.53	-13	-34.53	-54.92	12.78	5.39
	6840.800	-43.67	-13	-30.67	-49.15	11.84	6.36
	8551.000	-39.78	-13	-26.78	-44.74	11.87	6.91
	10261.200	-38.80	-13	-25.80	-43.05	11.87	7.61
	11971.400	-37.71	-13	-24.71	-42.61	13.12	8.22

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 19952_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3420.400	-38.71	-13	-25.71	-46.79	12.44	4.35
	5130.600	-47.80	-13	-34.80	-55.19	12.78	5.39
	6840.800	-43.91	-13	-30.91	-49.39	11.84	6.36
	8551.000	-38.77	-13	-25.77	-43.73	11.87	6.91
	10261.200	-38.63	-13	-25.63	-42.88	11.87	7.61
	11971.400	-38.35	-13	-25.35	-43.25	13.12	8.22
V	3420.400	-35.24	-13	-22.24	-43.32	12.44	4.35
	5130.600	-47.69	-13	-34.69	-55.08	12.78	5.39
	6840.800	-43.53	-13	-30.53	-49.01	11.84	6.36
	8551.000	-39.81	-13	-26.81	-44.77	11.87	6.91
	10261.200	-38.60	-13	-25.60	-42.85	11.87	7.61
	11971.400	-37.88	-13	-24.88	-42.78	13.12	8.22

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20175_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3465.000	-37.27	-13	-24.27	-45.42	12.53	4.38
	5197.500	-47.93	-13	-34.93	-55.34	12.84	5.43
	6930.000	-42.10	-13	-29.10	-47.37	11.73	6.46
	8662.500	-40.42	-13	-27.42	-45.34	11.87	6.95
	10395.000	-38.36	-13	-25.36	-42.43	11.75	7.68
	12127.500	-37.74	-13	-24.74	-42.83	13.35	8.26
V	3465.000	-36.27	-13	-23.27	-44.42	12.53	4.38
	5197.500	-47.96	-13	-34.96	-55.37	12.84	5.43
	6930.000	-42.46	-13	-29.46	-47.73	11.73	6.46
	8662.500	-40.01	-13	-27.01	-44.93	11.87	6.95
	10395.000	-38.19	-13	-25.19	-42.26	11.75	7.68
	12127.500	-36.56	-13	-23.56	-41.65	13.35	8.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20175_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3465.000	-37.79	-13	-24.79	-45.94	12.53	4.38
	5197.500	-47.65	-13	-34.65	-55.06	12.84	5.43
	6930.000	-41.43	-13	-28.43	-46.70	11.73	6.46
	8662.500	-39.64	-13	-26.64	-44.56	11.87	6.95
	10395.000	-38.83	-13	-25.83	-42.90	11.75	7.68
	12127.500	-37.95	-13	-24.95	-43.04	13.35	8.26
V	3465.000	-36.15	-13	-23.15	-44.30	12.53	4.38
	5197.500	-47.59	-13	-34.59	-55.00	12.84	5.43
	6930.000	-42.41	-13	-29.41	-47.68	11.73	6.46
	8662.500	-40.08	-13	-27.08	-45.00	11.87	6.95
	10395.000	-38.74	-13	-25.74	-42.81	11.75	7.68
	12127.500	-38.17	-13	-25.17	-43.26	13.35	8.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20398_BPSK_1RB11

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3509.600	-40.03	-13	-27.03	-48.22	12.61	4.42
	5264.400	-47.50	-13	-34.50	-54.93	12.91	5.48
	7019.200	-41.02	-13	-28.02	-46.11	11.63	6.54
	8774.000	-41.01	-13	-28.01	-45.90	11.88	6.99
	10528.800	-38.81	-13	-25.81	-42.71	11.65	7.75
	12283.600	-37.60	-13	-24.60	-42.86	13.57	8.31
V	3509.600	-40.13	-13	-27.13	-48.32	12.61	4.42
	5264.400	-47.66	-13	-34.66	-55.09	12.91	5.48
	7019.200	-40.70	-13	-27.70	-45.79	11.63	6.54
	8774.000	-40.93	-13	-27.93	-45.82	11.88	6.99
	10528.800	-39.06	-13	-26.06	-42.96	11.65	7.75
	12283.600	-37.36	-13	-24.36	-42.62	13.57	8.31

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20398_QPSK_1RB11

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	3509.600	-40.17	-13	-27.17	-48.36	12.61	4.42
	5264.400	-48.21	-13	-35.21	-55.64	12.91	5.48
	7019.200	-41.12	-13	-28.12	-46.21	11.63	6.54
	8774.000	-40.88	-13	-27.88	-45.77	11.88	6.99
	10528.800	-38.80	-13	-25.80	-42.70	11.65	7.75
	12283.600	-38.73	-13	-25.73	-43.99	13.57	8.31
V	3509.600	-39.67	-13	-26.67	-47.86	12.61	4.42
	5264.400	-47.83	-13	-34.83	-55.26	12.91	5.48
	7019.200	-40.15	-13	-27.15	-45.24	11.63	6.54
	8774.000	-40.94	-13	-27.94	-45.83	11.88	6.99
	10528.800	-38.73	-13	-25.73	-42.63	11.65	7.75
	12283.600	-39.30	-13	-26.30	-44.56	13.57	8.31

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

Product	Module		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 3 : LTE NB-IoT_Band 5		
Date of Test	2020/01/21	Test Site	CB2-H
Temperature (°C)	20.0	Humidity (%RH)	54.0

BW 3.75k_CH 20402_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1648.400	-53.07	-13	-40.07	-59.37	9.29	2.99
	2472.600	-52.86	-13	-39.86	-59.76	10.59	3.68
	3296.800	-51.12	-13	-38.12	-59.03	12.17	4.26
	4121.000	-51.07	-13	-38.07	-58.95	12.61	4.74
	4945.200	-49.52	-13	-36.52	-56.91	12.65	5.26
	5769.400	-48.21	-13	-35.21	-55.53	13.06	5.74
V	1648.400	-52.75	-13	-39.75	-59.05	9.29	2.99
	2472.600	-52.93	-13	-39.93	-59.83	10.59	3.68
	3296.800	-51.39	-13	-38.39	-59.30	12.17	4.26
	4121.000	-50.57	-13	-37.57	-58.45	12.61	4.74
	4945.200	-48.95	-13	-35.95	-56.34	12.65	5.26
	5769.400	-48.04	-13	-35.04	-55.36	13.06	5.74

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20402_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1648.400	-53.11	-13	-40.11	-59.41	9.29	2.99
	2472.600	-52.08	-13	-39.08	-58.98	10.59	3.68
	3296.800	-51.05	-13	-38.05	-58.96	12.17	4.26
	4121.000	-51.44	-13	-38.44	-59.32	12.61	4.74
	4945.200	-49.60	-13	-36.60	-56.99	12.65	5.26
	5769.400	-48.80	-13	-35.80	-56.12	13.06	5.74
V	1648.400	-52.80	-13	-39.80	-59.10	9.29	2.99
	2472.600	-52.73	-13	-39.73	-59.63	10.59	3.68
	3296.800	-51.12	-13	-38.12	-59.03	12.17	4.26
	4121.000	-50.60	-13	-37.60	-58.48	12.61	4.74
	4945.200	-49.04	-13	-36.04	-56.43	12.65	5.26
	5769.400	-48.12	-13	-35.12	-55.44	13.06	5.74

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20525_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1673.000	-53.03	-13	-40.03	-59.38	9.36	3.01
	2509.500	-52.06	-13	-39.06	-58.97	10.62	3.71
	3346.000	-51.14	-13	-38.14	-59.12	12.27	4.30
	4182.500	-50.35	-13	-37.35	-58.19	12.62	4.78
	5019.000	-49.06	-13	-36.06	-56.42	12.67	5.31
	5855.500	-48.98	-13	-35.98	-56.25	13.04	5.77
V	1673.000	-53.09	-13	-40.09	-59.44	9.36	3.01
	2509.500	-53.42	-13	-40.42	-60.33	10.62	3.71
	3346.000	-51.80	-13	-38.80	-59.78	12.27	4.30
	4182.500	-51.51	-13	-38.51	-59.35	12.62	4.78
	5019.000	-49.86	-13	-36.86	-57.22	12.67	5.31
	5855.500	-48.57	-13	-35.57	-55.84	13.04	5.77

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20525_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1673.000	-53.17	-13	-40.17	-59.52	9.36	3.01
	2509.500	-53.03	-13	-40.03	-59.94	10.62	3.71
	3346.000	-52.27	-13	-39.27	-60.25	12.27	4.30
	4182.500	-50.91	-13	-37.91	-58.75	12.62	4.78
	5019.000	-49.78	-13	-36.78	-57.14	12.67	5.31
	5855.500	-49.01	-13	-36.01	-56.28	13.04	5.77
V	1673.000	-53.22	-13	-40.22	-59.57	9.36	3.01
	2509.500	-53.39	-13	-40.39	-60.30	10.62	3.71
	3346.000	-51.53	-13	-38.53	-59.51	12.27	4.30
	4182.500	-51.62	-13	-38.62	-59.46	12.62	4.78
	5019.000	-49.94	-13	-36.94	-57.30	12.67	5.31
	5855.500	-48.58	-13	-35.58	-55.85	13.04	5.77

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20648_BPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1697.600	-53.16	-13	-40.16	-59.56	9.44	3.03
	2546.400	-54.00	-13	-41.00	-60.95	10.69	3.74
	3395.200	-51.40	-13	-38.40	-59.45	12.38	4.33
	4244.000	-50.52	-13	-37.52	-58.32	12.63	4.82
	5092.800	-49.13	-13	-36.13	-56.51	12.74	5.36
	5941.600	-47.14	-13	-34.14	-54.36	13.02	5.80
V	1697.600	-50.38	-13	-37.38	-56.78	9.44	3.03
	2546.400	-52.35	-13	-39.35	-59.30	10.69	3.74
	3395.200	-51.89	-13	-38.89	-59.94	12.38	4.33
	4244.000	-49.57	-13	-36.57	-57.37	12.63	4.82
	5092.800	-48.80	-13	-35.80	-56.18	12.74	5.36
	5941.600	-47.53	-13	-34.53	-54.75	13.02	5.80

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 20648_QPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1697.600	-53.58	-13	-40.58	-59.98	9.44	3.03
	2546.400	-54.47	-13	-41.47	-61.42	10.69	3.74
	3395.200	-51.30	-13	-38.30	-59.35	12.38	4.33
	4244.000	-50.99	-13	-37.99	-58.79	12.63	4.82
	5092.800	-49.25	-13	-36.25	-56.63	12.74	5.36
	5941.600	-47.11	-13	-34.11	-54.33	13.02	5.80
V	1697.600	-50.47	-13	-37.47	-56.87	9.44	3.03
	2546.400	-52.52	-13	-39.52	-59.47	10.69	3.74
	3395.200	-51.69	-13	-38.69	-59.74	12.38	4.33
	4244.000	-49.51	-13	-36.51	-57.31	12.63	4.82
	5092.800	-48.80	-13	-35.80	-56.18	12.74	5.36
	5941.600	-47.18	-13	-34.18	-54.40	13.02	5.80

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20402_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1648.400	-53.15	-13	-40.15	-59.45	9.29	2.99
	2472.600	-52.91	-13	-39.91	-59.81	10.59	3.68
	3296.800	-51.30	-13	-38.30	-59.21	12.17	4.26
	4121.000	-51.37	-13	-38.37	-59.25	12.61	4.74
	4945.200	-49.49	-13	-36.49	-56.88	12.65	5.26
	5769.400	-48.08	-13	-35.08	-55.40	13.06	5.74
V	1648.400	-52.80	-13	-39.80	-59.10	9.29	2.99
	2472.600	-53.05	-13	-40.05	-59.95	10.59	3.68
	3296.800	-51.40	-13	-38.40	-59.31	12.17	4.26
	4121.000	-50.63	-13	-37.63	-58.51	12.61	4.74
	4945.200	-48.99	-13	-35.99	-56.38	12.65	5.26
	5769.400	-48.28	-13	-35.28	-55.60	13.06	5.74

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20401_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1648.400	-53.10	-13	-40.10	-59.40	9.29	2.99
	2472.600	-52.84	-13	-39.84	-59.74	10.59	3.68
	3296.800	-51.70	-13	-38.70	-59.61	12.17	4.26
	4121.000	-51.69	-13	-38.69	-59.57	12.61	4.74
	4945.200	-49.53	-13	-36.53	-56.92	12.65	5.26
	5769.400	-48.50	-13	-35.50	-55.82	13.06	5.74
V	1648.400	-52.63	-13	-39.63	-58.93	9.29	2.99
	2472.600	-53.58	-13	-40.58	-60.48	10.59	3.68
	3296.800	-52.25	-13	-39.25	-60.16	12.17	4.26
	4121.000	-50.70	-13	-37.70	-58.58	12.61	4.74
	4945.200	-48.69	-13	-35.69	-56.08	12.65	5.26
	5769.400	-48.54	-13	-35.54	-55.86	13.06	5.74

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20525_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1673.000	-53.29	-13	-40.29	-59.64	9.36	3.01
	2509.500	-52.36	-13	-39.36	-59.27	10.62	3.71
	3346.000	-51.27	-13	-38.27	-59.25	12.27	4.30
	4182.500	-50.56	-13	-37.56	-58.40	12.62	4.78
	5019.000	-49.28	-13	-36.28	-56.64	12.67	5.31
	5855.500	-49.05	-13	-36.05	-56.32	13.04	5.77
V	1673.000	-53.18	-13	-40.18	-59.53	9.36	3.01
	2509.500	-53.55	-13	-40.55	-60.46	10.62	3.71
	3346.000	-51.96	-13	-38.96	-59.94	12.27	4.30
	4182.500	-51.47	-13	-38.47	-59.31	12.62	4.78
	5019.000	-49.67	-13	-36.67	-57.03	12.67	5.31
	5855.500	-48.68	-13	-35.68	-55.95	13.04	5.77

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20525_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1673.000	-53.46	-13	-40.46	-59.81	9.36	3.01
	2509.500	-52.70	-13	-39.70	-59.61	10.62	3.71
	3346.000	-51.68	-13	-38.68	-59.66	12.27	4.30
	4182.500	-50.90	-13	-37.90	-58.74	12.62	4.78
	5019.000	-49.26	-13	-36.26	-56.62	12.67	5.31
	5855.500	-49.35	-13	-36.35	-56.62	13.04	5.77
V	1673.000	-53.38	-13	-40.38	-59.73	9.36	3.01
	2509.500	-53.92	-13	-40.92	-60.83	10.62	3.71
	3346.000	-51.91	-13	-38.91	-59.89	12.27	4.30
	4182.500	-51.50	-13	-38.50	-59.34	12.62	4.78
	5019.000	-49.30	-13	-36.30	-56.66	12.67	5.31
	5855.500	-48.91	-13	-35.91	-56.18	13.04	5.77

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20648_BPSK_1RB11

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1697.600	-53.27	-13	-40.27	-59.67	9.44	3.03
	2546.400	-54.46	-13	-41.46	-61.41	10.69	3.74
	3395.200	-51.38	-13	-38.38	-59.43	12.38	4.33
	4244.000	-50.70	-13	-37.70	-58.50	12.63	4.82
	5092.800	-49.25	-13	-36.25	-56.63	12.74	5.36
	5941.600	-47.80	-13	-34.80	-55.02	13.02	5.80
V	1697.600	-50.70	-13	-37.70	-57.10	9.44	3.03
	2546.400	-52.66	-13	-39.66	-59.61	10.69	3.74
	3395.200	-51.87	-13	-38.87	-59.92	12.38	4.33
	4244.000	-49.20	-13	-36.20	-57.00	12.63	4.82
	5092.800	-48.69	-13	-35.69	-56.07	12.74	5.36
	5941.600	-47.71	-13	-34.71	-54.93	13.02	5.80

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 20648_QPSK_1RB11

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1697.600	-53.37	-13	-40.37	-59.77	9.44	3.03
	2546.400	-54.41	-13	-41.41	-61.36	10.69	3.74
	3395.200	-51.35	-13	-38.35	-59.40	12.38	4.33
	4244.000	-50.11	-13	-37.11	-57.91	12.63	4.82
	5092.800	-49.38	-13	-36.38	-56.76	12.74	5.36
	5941.600	-47.90	-13	-34.90	-55.12	13.02	5.80
V	1697.600	-50.41	-13	-37.41	-56.81	9.44	3.03
	2546.400	-52.32	-13	-39.32	-59.27	10.69	3.74
	3395.200	-51.92	-13	-38.92	-59.97	12.38	4.33
	4244.000	-49.05	-13	-36.05	-56.85	12.63	4.82
	5092.800	-48.77	-13	-35.77	-56.15	12.74	5.36
	5941.600	-47.49	-13	-34.49	-54.71	13.02	5.80

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

Product	Module		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 4 : LTE NB-IoT_Band 12		
Date of Test	2020/01/21~2020/06/06	Test Site	CB2-H
Temperature (°C)	20.0	Humidity (%RH)	54.0

BW 3.75k_CH 23012_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1398.400	-52.07	-13	-39.07	-57.59	8.26	2.74
	2097.600	-54.23	-13	-41.23	-61.23	10.40	3.40
	2796.800	-51.10	-13	-38.10	-58.34	11.15	3.90
	3496.000	-48.14	-13	-35.14	-56.33	12.60	4.41
	4195.200	-49.24	-13	-36.24	-57.07	12.62	4.79
	4894.400	-49.33	-13	-36.33	-56.75	12.65	5.23
V	1398.400	-42.58	-13	-29.58	-48.10	8.26	2.74
	2097.600	-53.47	-13	-40.47	-60.47	10.40	3.40
	2796.800	-51.59	-13	-38.59	-58.83	11.15	3.90
	3496.000	-50.50	-13	-37.50	-58.69	12.60	4.41
	4195.200	-49.68	-13	-36.68	-57.51	12.62	4.79
	4894.400	-49.36	-13	-36.36	-56.78	12.65	5.23

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23012_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1398.400	-51.75	-13	-38.75	-57.27	8.26	2.74
	2097.600	-54.21	-13	-41.21	-61.21	10.40	3.40
	2796.800	-51.32	-13	-38.32	-58.56	11.15	3.90
	3496.000	-48.18	-13	-35.18	-56.37	12.60	4.41
	4195.200	-49.12	-13	-36.12	-56.95	12.62	4.79
	4894.400	-49.38	-13	-36.38	-56.80	12.65	5.23
V	1398.400	-42.65	-13	-29.65	-48.17	8.26	2.74
	2097.600	-53.79	-13	-40.79	-60.79	10.40	3.40
	2796.800	-51.76	-13	-38.76	-59.00	11.15	3.90
	3496.000	-50.61	-13	-37.61	-58.80	12.60	4.41
	4195.200	-49.60	-13	-36.60	-57.43	12.62	4.79
	4894.400	-49.86	-13	-36.86	-57.28	12.65	5.23

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23095_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1415.000	-54.73	-13	-41.73	-60.33	8.35	2.75
	2122.500	-53.89	-13	-40.89	-60.88	10.41	3.42
	2830.000	-50.56	-13	-37.56	-57.84	11.21	3.93
	3537.500	-50.68	-13	-37.68	-58.86	12.61	4.43
	4245.000	-49.70	-13	-36.70	-57.50	12.63	4.83
	4952.500	-48.12	-13	-35.12	-55.51	12.65	5.26
V	1415.000	-48.00	-13	-35.00	-53.60	8.35	2.75
	2122.500	-52.85	-13	-39.85	-59.84	10.41	3.42
	2830.000	-51.16	-13	-38.16	-58.44	11.21	3.93
	3537.500	-50.33	-13	-37.33	-58.51	12.61	4.43
	4245.000	-50.26	-13	-37.26	-58.06	12.63	4.83
	4952.500	-48.84	-13	-35.84	-56.23	12.65	5.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23095_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1415.000	-54.69	-13	-41.69	-60.29	8.35	2.75
	2122.500	-53.38	-13	-40.38	-60.37	10.41	3.42
	2830.000	-50.73	-13	-37.73	-58.01	11.21	3.93
	3537.500	-50.29	-13	-37.29	-58.47	12.61	4.43
	4245.000	-49.52	-13	-36.52	-57.32	12.63	4.83
	4952.500	-48.33	-13	-35.33	-55.72	12.65	5.26
V	1415.000	-48.44	-13	-35.44	-54.04	8.35	2.75
	2122.500	-52.12	-13	-39.12	-59.11	10.41	3.42
	2830.000	-51.30	-13	-38.30	-58.58	11.21	3.93
	3537.500	-50.48	-13	-37.48	-58.66	12.61	4.43
	4245.000	-50.62	-13	-37.62	-58.42	12.63	4.83
	4952.500	-48.96	-13	-35.96	-56.35	12.65	5.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_ CH 23178_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1431.600	-55.52	-13	-42.52	-61.20	8.45	2.77
	2147.400	-54.12	-13	-41.12	-61.11	10.42	3.44
	2863.200	-52.43	-13	-39.43	-59.75	11.27	3.95
	3579.000	-50.95	-13	-37.95	-59.11	12.61	4.45
	4294.800	-50.31	-13	-37.31	-58.09	12.64	4.86
	5010.600	-47.95	-13	-34.95	-55.31	12.66	5.30
V	1431.600	-56.04	-13	-43.04	-61.72	8.45	2.77
	2147.400	-51.98	-13	-38.98	-58.97	10.42	3.44
	2863.200	-52.09	-13	-39.09	-59.41	11.27	3.95
	3579.000	-51.81	-13	-38.81	-59.97	12.61	4.45
	4294.800	-49.60	-13	-36.60	-57.38	12.64	4.86
	5010.600	-48.85	-13	-35.85	-56.21	12.66	5.30

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_ CH 23178_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1431.600	-55.29	-13	-42.29	-60.97	8.45	2.77
	2147.400	-53.95	-13	-40.95	-60.94	10.42	3.44
	2863.200	-52.46	-13	-39.46	-59.78	11.27	3.95
	3579.000	-51.04	-13	-38.04	-59.20	12.61	4.45
	4294.800	-50.18	-13	-37.18	-57.96	12.64	4.86
	5010.600	-48.19	-13	-35.19	-55.55	12.66	5.30
V	1431.600	-56.25	-13	-43.25	-61.93	8.45	2.77
	2147.400	-52.30	-13	-39.30	-59.29	10.42	3.44
	2863.200	-52.12	-13	-39.12	-59.44	11.27	3.95
	3579.000	-51.83	-13	-38.83	-59.99	12.61	4.45
	4294.800	-49.43	-13	-36.43	-57.21	12.64	4.86
	5010.600	-49.26	-13	-36.26	-56.62	12.66	5.30

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 23012_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1398.400	-52.19	-13	-39.19	-57.71	8.26	2.74
	2097.600	-54.59	-13	-41.59	-61.59	10.40	3.40
	2796.800	-51.34	-13	-38.34	-58.58	11.15	3.90
	3496.000	-48.03	-13	-35.03	-56.22	12.60	4.41
	4195.200	-48.93	-13	-35.93	-56.76	12.62	4.79
	4894.400	-49.49	-13	-36.49	-56.91	12.65	5.23
V	1398.400	-42.63	-13	-29.63	-48.15	8.26	2.74
	2097.600	-53.61	-13	-40.61	-60.61	10.40	3.40
	2796.800	-51.90	-13	-38.90	-59.14	11.15	3.90
	3496.000	-50.78	-13	-37.78	-58.97	12.60	4.41
	4195.200	-49.72	-13	-36.72	-57.55	12.62	4.79
	4894.400	-49.59	-13	-36.59	-57.01	12.65	5.23

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 23012_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1398.400	-52.20	-13	-39.20	-57.72	8.26	2.74
	2097.600	-54.66	-13	-41.66	-61.66	10.40	3.40
	2796.800	-51.36	-13	-38.36	-58.60	11.15	3.90
	3496.000	-48.30	-13	-35.30	-56.49	12.60	4.41
	4195.200	-48.90	-13	-35.90	-56.73	12.62	4.79
	4894.400	-49.54	-13	-36.54	-56.96	12.65	5.23
V	1398.400	-42.75	-13	-29.75	-48.27	8.26	2.74
	2097.600	-53.40	-13	-40.40	-60.40	10.40	3.40
	2796.800	-51.66	-13	-38.66	-58.90	11.15	3.90
	3496.000	-51.03	-13	-38.03	-59.22	12.60	4.41
	4195.200	-49.58	-13	-36.58	-57.41	12.62	4.79
	4894.400	-49.55	-13	-36.55	-56.97	12.65	5.23

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 23095_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1415.000	-54.78	-13	-41.78	-60.38	8.35	2.75
	2122.500	-53.93	-13	-40.93	-60.92	10.41	3.42
	2830.000	-50.57	-13	-37.57	-57.85	11.21	3.93
	3537.500	-51.15	-13	-38.15	-59.33	12.61	4.43
	4245.000	-49.60	-13	-36.60	-57.40	12.63	4.83
	4952.500	-48.36	-13	-35.36	-55.75	12.65	5.26
V	1415.000	-48.32	-13	-35.32	-53.92	8.35	2.75
	2122.500	-52.98	-13	-39.98	-59.97	10.41	3.42
	2830.000	-51.54	-13	-38.54	-58.82	11.21	3.93
	3537.500	-50.62	-13	-37.62	-58.80	12.61	4.43
	4245.000	-50.23	-13	-37.23	-58.03	12.63	4.83
	4952.500	-48.91	-13	-35.91	-56.30	12.65	5.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 23095_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1415.000	-54.86	-13	-41.86	-60.46	8.35	2.75
	2122.500	-53.85	-13	-40.85	-60.84	10.41	3.42
	2830.000	-50.66	-13	-37.66	-57.94	11.21	3.93
	3537.500	-51.17	-13	-38.17	-59.35	12.61	4.43
	4245.000	-49.51	-13	-36.51	-57.31	12.63	4.83
	4952.500	-48.48	-13	-35.48	-55.87	12.65	5.26
V	1415.000	-48.68	-13	-35.68	-54.28	8.35	2.75
	2122.500	-53.35	-13	-40.35	-60.34	10.41	3.42
	2830.000	-51.69	-13	-38.69	-58.97	11.21	3.93
	3537.500	-50.50	-13	-37.50	-58.68	12.61	4.43
	4245.000	-50.66	-13	-37.66	-58.46	12.63	4.83
	4952.500	-49.94	-13	-36.94	-57.33	12.65	5.26

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 23178_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1431.600	-55.74	-13	-42.74	-61.42	8.45	2.77
	2147.400	-53.88	-13	-40.88	-60.87	10.42	3.44
	2863.200	-52.34	-13	-39.34	-59.66	11.27	3.95
	3579.000	-51.09	-13	-38.09	-59.25	12.61	4.45
	4294.800	-49.91	-13	-36.91	-57.69	12.64	4.86
	5010.600	-48.30	-13	-35.30	-55.66	12.66	5.30
V	1431.600	-56.02	-13	-43.02	-61.70	8.45	2.77
	2147.400	-51.89	-13	-38.89	-58.88	10.42	3.44
	2863.200	-52.14	-13	-39.14	-59.46	11.27	3.95
	3579.000	-51.64	-13	-38.64	-59.80	12.61	4.45
	4294.800	-49.60	-13	-36.60	-57.38	12.64	4.86
	5010.600	-48.83	-13	-35.83	-56.19	12.66	5.30

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 15k_CH 23178_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1431.600	-55.59	-13	-42.59	-61.27	8.45	2.77
	2147.400	-53.94	-13	-40.94	-60.93	10.42	3.44
	2863.200	-52.69	-13	-39.69	-60.01	11.27	3.95
	3579.000	-51.13	-13	-38.13	-59.29	12.61	4.45
	4294.800	-49.99	-13	-36.99	-57.77	12.64	4.86
	5010.600	-48.63	-13	-35.63	-55.99	12.66	5.30
V	1431.600	-55.89	-13	-42.89	-61.57	8.45	2.77
	2147.400	-51.19	-13	-38.19	-58.18	10.42	3.44
	2863.200	-51.88	-13	-38.88	-59.20	11.27	3.95
	3579.000	-51.82	-13	-38.82	-59.98	12.61	4.45
	4294.800	-50.25	-13	-37.25	-58.03	12.64	4.86
	5010.600	-48.63	-13	-35.63	-55.99	12.66	5.30

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

Product	Module		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 5 : LTE NB-IoT_Band 13		
Date of Test	2020/01/21	Test Site	CB2-H
Temperature (°C)	20.0	Humidity (%RH)	54.0

BW 3.75k_CH 23182_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1554.400	-45.91	-13	-32.91	-52.02	9.00	2.90
	2331.600	-53.57	-13	-40.57	-60.51	10.52	3.58
	3108.800	-51.76	-13	-38.76	-59.39	11.76	4.12
	3886.000	-50.72	-13	-37.72	-58.72	12.60	4.60
	4663.200	-49.89	-13	-36.89	-57.45	12.66	5.10
	5440.400	-49.07	-13	-36.07	-56.54	13.08	5.61
V	1554.400	-41.81	-13	-28.81	-47.92	9.00	2.90
	2331.600	-53.68	-13	-40.68	-60.62	10.52	3.58
	3108.800	-51.16	-13	-38.16	-58.79	11.76	4.12
	3886.000	-51.15	-13	-38.15	-59.15	12.60	4.60
	4663.200	-48.88	-13	-35.88	-56.44	12.66	5.10
	5440.400	-48.53	-13	-35.53	-56.00	13.08	5.61

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23182_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1554.400	-45.83	-13	-32.83	-51.94	9.00	2.90
	2331.600	-53.48	-13	-40.48	-60.42	10.52	3.58
	3108.800	-51.69	-13	-38.69	-59.32	11.76	4.12
	3886.000	-50.71	-13	-37.71	-58.71	12.60	4.60
	4663.200	-49.84	-13	-36.84	-57.40	12.66	5.10
	5440.400	-49.33	-13	-36.33	-56.80	13.08	5.61
V	1554.400	-41.90	-13	-28.90	-48.01	9.00	2.90
	2331.600	-53.72	-13	-40.72	-60.66	10.52	3.58
	3108.800	-51.32	-13	-38.32	-58.95	11.76	4.12
	3886.000	-51.67	-13	-38.67	-59.67	12.60	4.60
	4663.200	-48.87	-13	-35.87	-56.43	12.66	5.10
	5440.400	-47.89	-13	-34.89	-55.36	13.08	5.61

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23230_BPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1564.000	-46.57	-13	-33.57	-52.70	9.03	2.91
	2346.000	-53.73	-13	-40.73	-60.67	10.52	3.59
	3128.000	-51.67	-13	-38.67	-59.33	11.80	4.14
	3910.000	-50.36	-13	-37.36	-58.35	12.60	4.61
	4692.000	-49.25	-13	-36.25	-56.79	12.66	5.11
	5474.000	-49.54	-13	-36.54	-57.02	13.11	5.63
V	1564.000	-43.09	-13	-30.09	-49.22	9.03	2.91
	2346.000	-54.04	-13	-41.04	-60.98	10.52	3.59
	3128.000	-51.67	-13	-38.67	-59.33	11.80	4.14
	3910.000	-51.15	-13	-38.15	-59.14	12.60	4.61
	4692.000	-49.99	-13	-36.99	-57.53	12.66	5.11
	5474.000	-49.36	-13	-36.36	-56.84	13.11	5.63

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23230_QPSK_1RB0

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1564.000	-46.66	-13	-33.66	-52.79	9.03	2.91
	2346.000	-53.70	-13	-40.70	-60.64	10.52	3.59
	3128.000	-51.80	-13	-38.80	-59.46	11.80	4.14
	3910.000	-50.10	-13	-37.10	-58.09	12.60	4.61
	4692.000	-49.35	-13	-36.35	-56.89	12.66	5.11
	5474.000	-49.80	-13	-36.80	-57.28	13.11	5.63
V	1564.000	-43.13	-13	-30.13	-49.26	9.03	2.91
	2346.000	-54.15	-13	-41.15	-61.09	10.52	3.59
	3128.000	-51.90	-13	-38.90	-59.56	11.80	4.14
	3910.000	-51.20	-13	-38.20	-59.19	12.60	4.61
	4692.000	-48.83	-13	-35.83	-56.37	12.66	5.11
	5474.000	-49.70	-13	-36.70	-57.18	13.11	5.63

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23278_BPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1573.600	-48.49	-13	-35.49	-54.64	9.06	2.92
	2360.400	-53.85	-13	-40.85	-60.78	10.53	3.60
	3147.200	-51.12	-13	-38.12	-58.81	11.84	4.15
	3934.000	-50.85	-13	-37.85	-58.83	12.60	4.62
	4720.800	-48.72	-13	-35.72	-56.25	12.66	5.13
	5507.600	-48.94	-13	-35.94	-56.42	13.14	5.65
V	1573.600	-45.02	-13	-32.02	-51.17	9.06	2.92
	2360.400	-53.68	-13	-40.68	-60.61	10.53	3.60
	3147.200	-51.30	-13	-38.30	-58.99	11.84	4.15
	3934.000	-51.17	-13	-38.17	-59.15	12.60	4.62
	4720.800	-51.28	-13	-38.28	-58.81	12.66	5.13
	5507.600	-48.40	-13	-35.40	-55.88	13.14	5.65

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.

BW 3.75k_CH 23278_QPSK_1RB47

Antenna Polarity	Frequency (MHz)	Emission Level (dBm)	Limit (dBm)	Margin (dB)	SG Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)
H	1573.600	-48.51	-13	-35.51	-54.66	9.06	2.92
	2360.400	-53.62	-13	-40.62	-60.55	10.53	3.60
	3147.200	-51.39	-13	-38.39	-59.08	11.84	4.15
	3934.000	-50.47	-13	-37.47	-58.45	12.60	4.62
	4720.800	-48.75	-13	-35.75	-56.28	12.66	5.13
	5507.600	-48.44	-13	-35.44	-55.92	13.14	5.65
V	1573.600	-45.22	-13	-32.22	-51.37	9.06	2.92
	2360.400	-53.71	-13	-40.71	-60.64	10.53	3.60
	3147.200	-51.68	-13	-38.68	-59.37	11.84	4.15
	3934.000	-51.32	-13	-38.32	-59.30	12.60	4.62
	4720.800	-51.50	-13	-38.50	-59.03	12.66	5.13
	5507.600	-48.80	-13	-35.80	-56.28	13.14	5.65

Emission Level=SG(Signal Generator) Level+Antenna Gain-Cable Loss.