

Ref 20 dBm * Att 10 dB * RBW 100 kHz VBW 300 kHz SWT 1 s Marker 1 [T1] -54.40 dBm
 616.806096000 MHz

20 Offset 12 dB
 -10
 -20
 -30
 -40
 -50
 -60
 -70
 -80

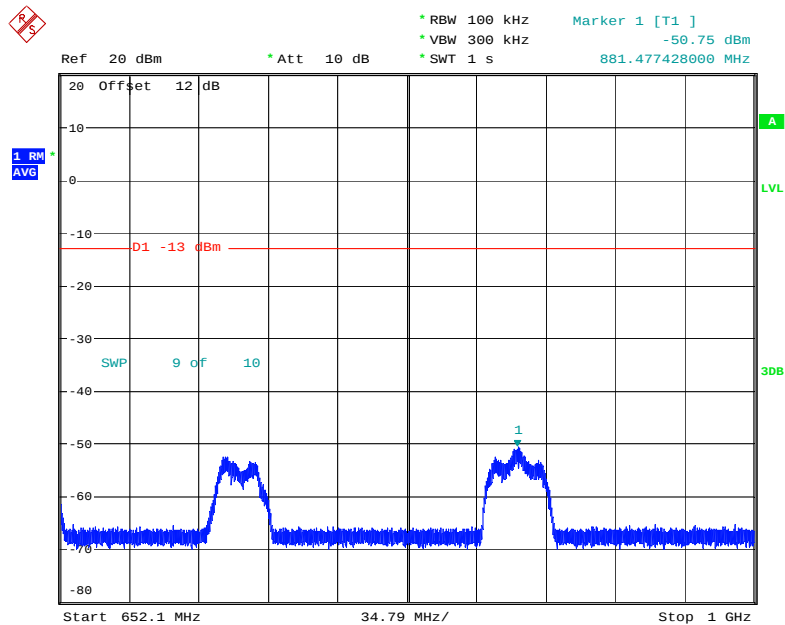
1 RM
 AVG

D1 -13 dBm
 SWP 10 of 10

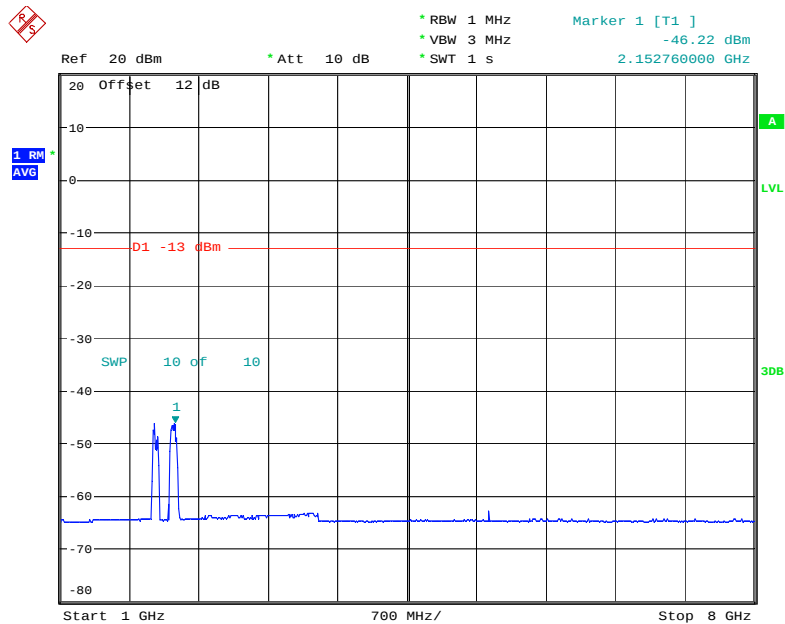
A
 LVL
 3DB

Start 30 MHz 58.69 MHz/ Stop 616.9 MHz

Date: 14.JAN.2023 13:21:55

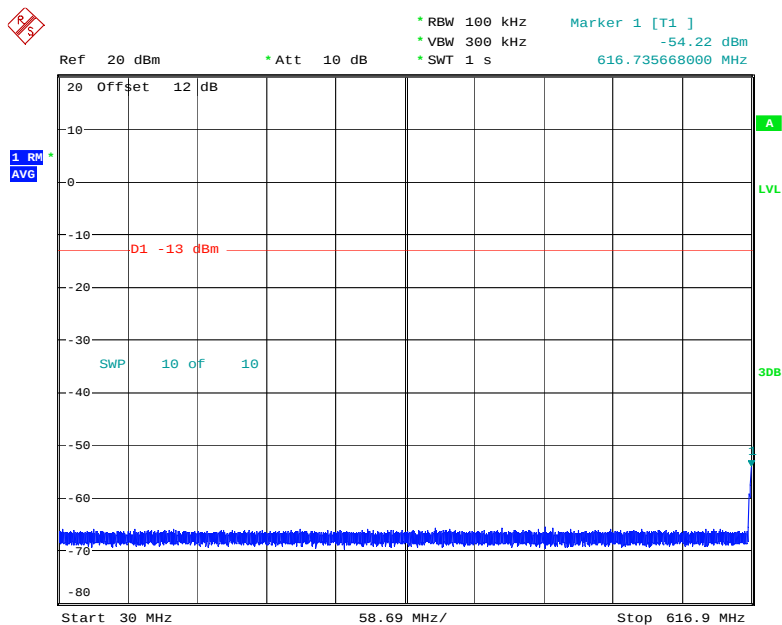


Date: 14.JAN.2023 13:22:16

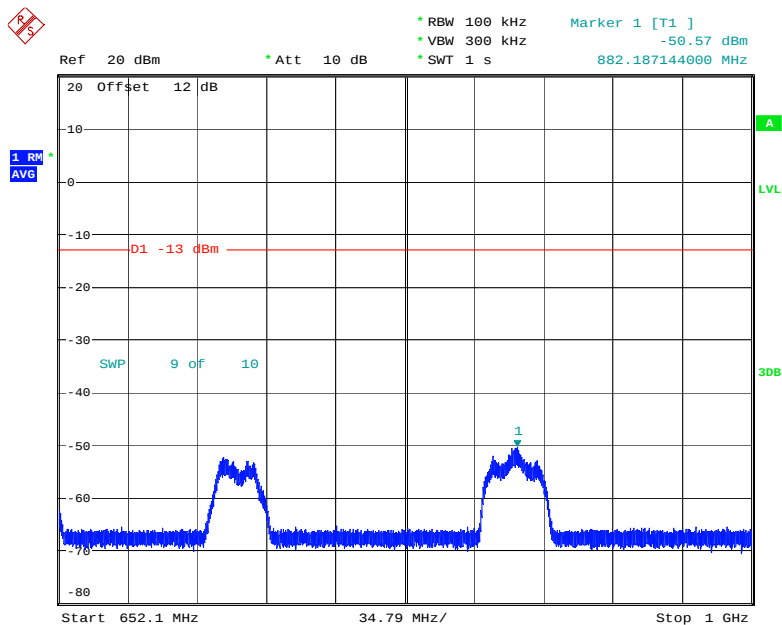


Date: 14.JAN.2023 13:21:36

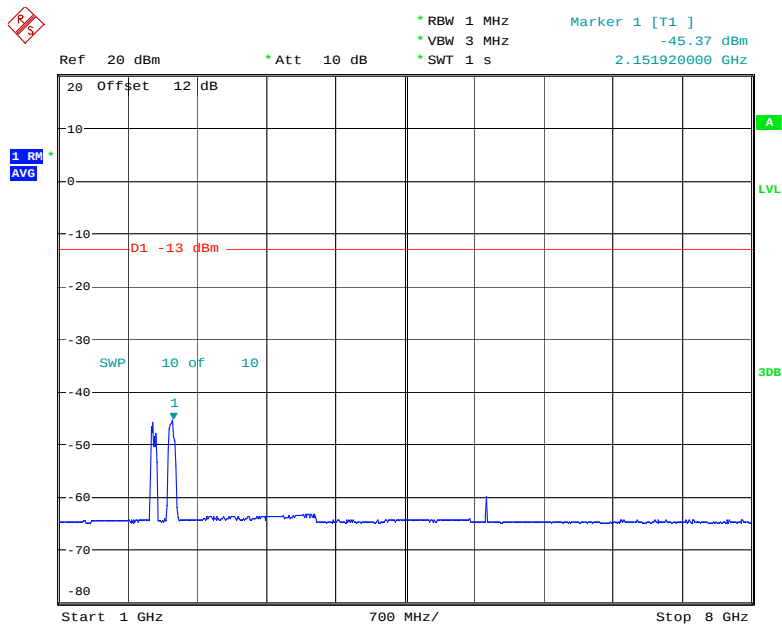
600MHz Band - GSM-Pre AGC-Middle Channel



Date: 14.JAN.2023 13:27:31

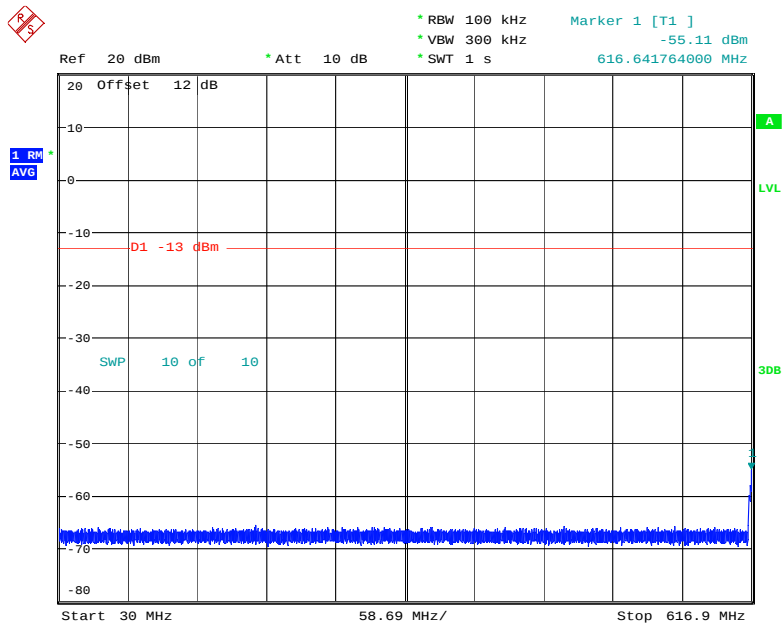


Date: 14.JAN.2023 13:27:50

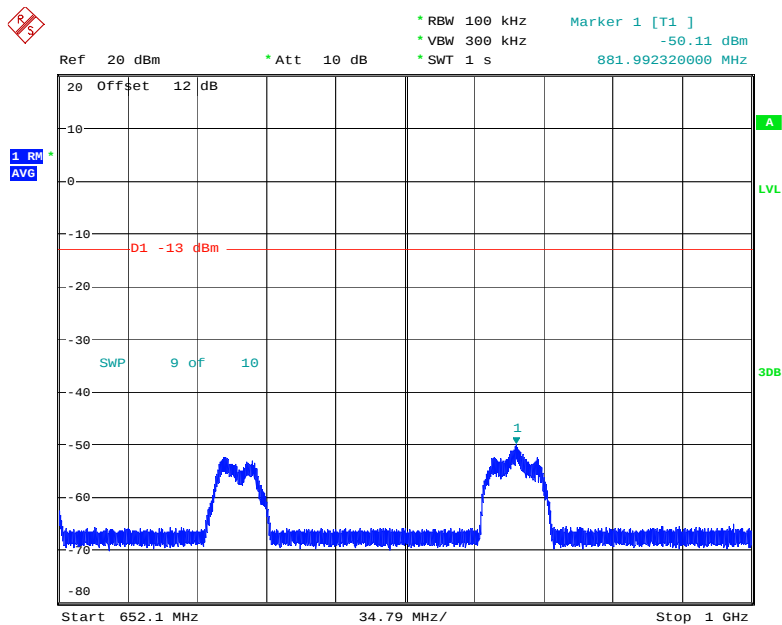


Date: 14.JAN.2023 13:27:12

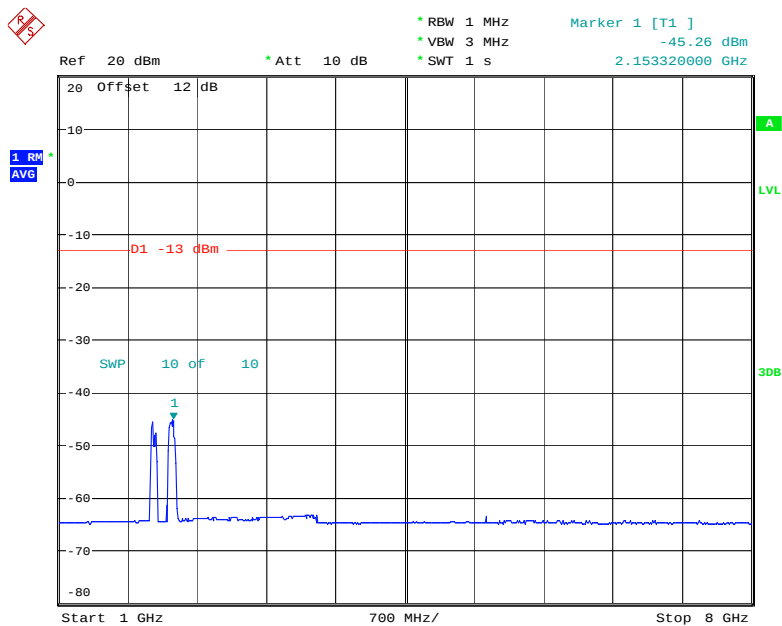
600MHz Band - GSM-Pre AGC-High Channel



Date: 14.JAN.2023 13:33:45

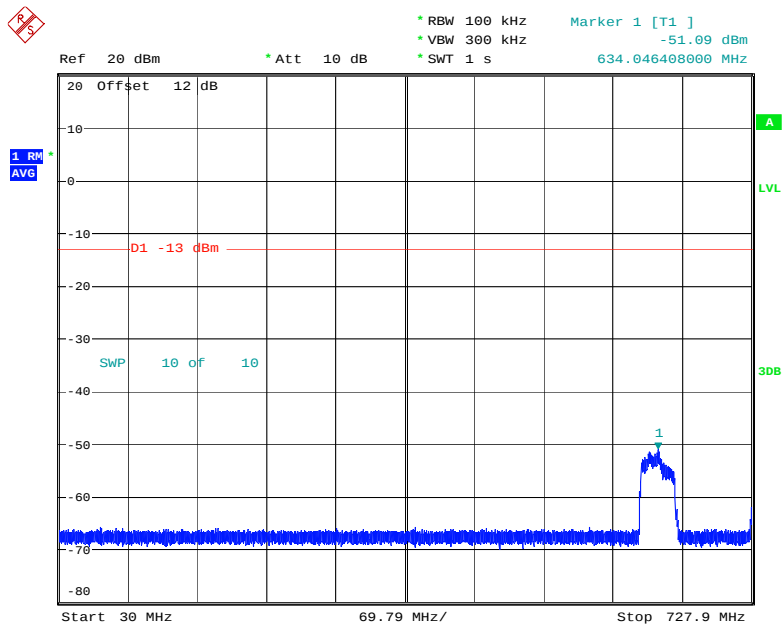


Date: 14.JAN.2023 13:34:06

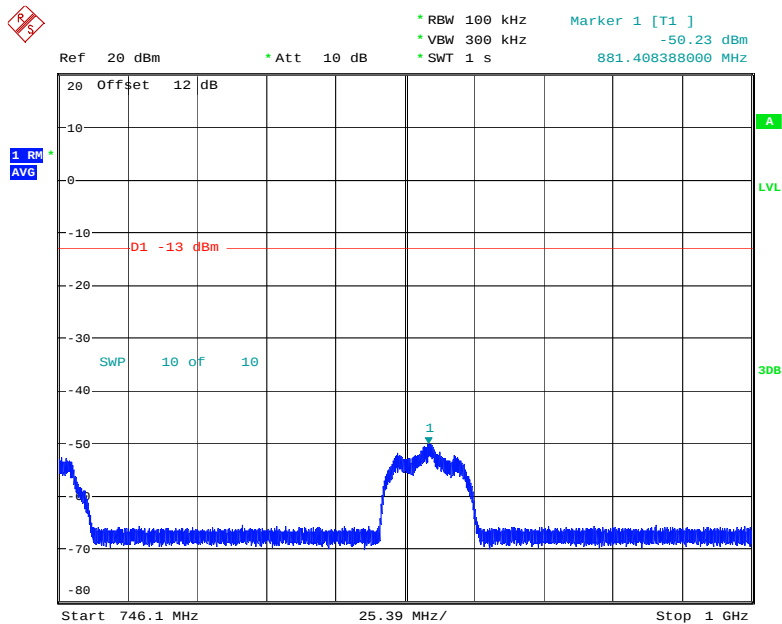


Date: 14.JAN.2023 13:33:26

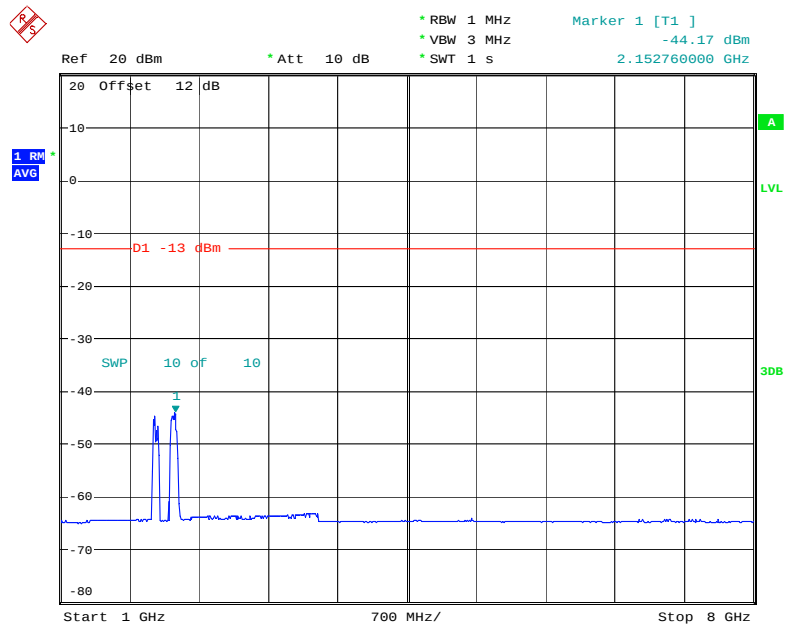
Lower 700MHz (A+B+C Block)-AWGN-Pre AGC-Low Channel



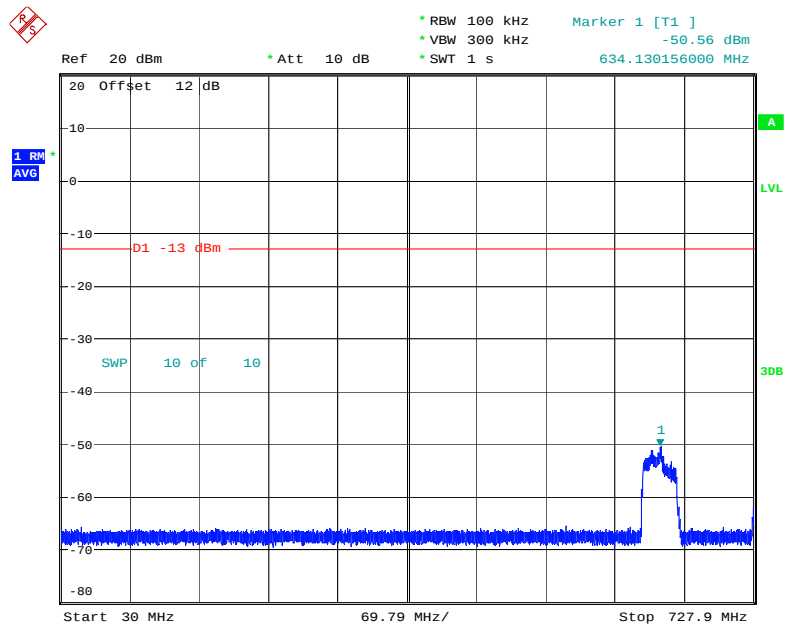
Date: 14.JAN.2023 13:41:02



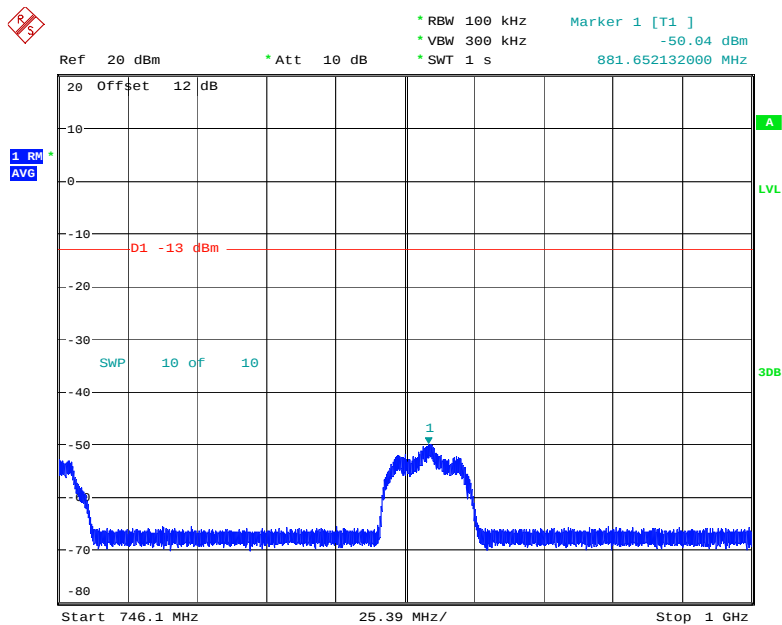
Date: 14.JAN.2023 13:41:22



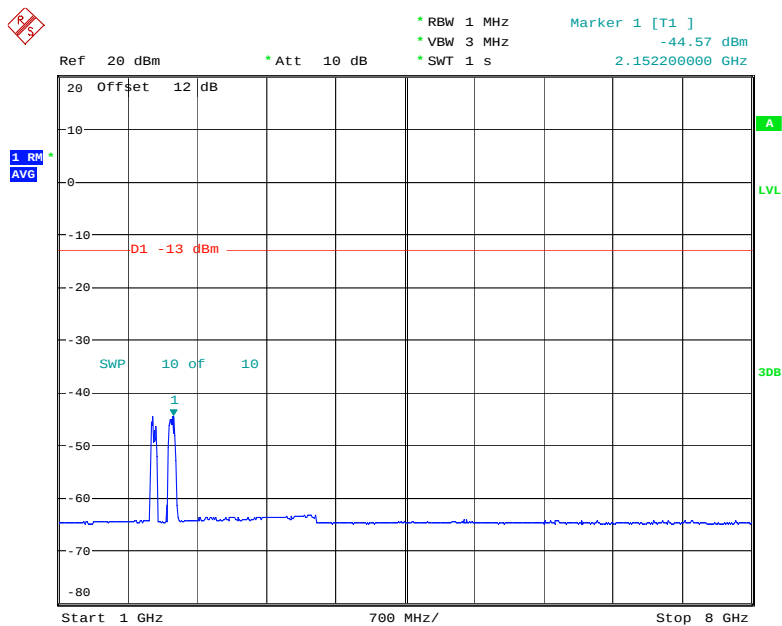
Date: 14. JAN. 2023 13:40:41

Lower 700MHz (A+B+C Block) - AWGN-Pre AGC-Middle Channel

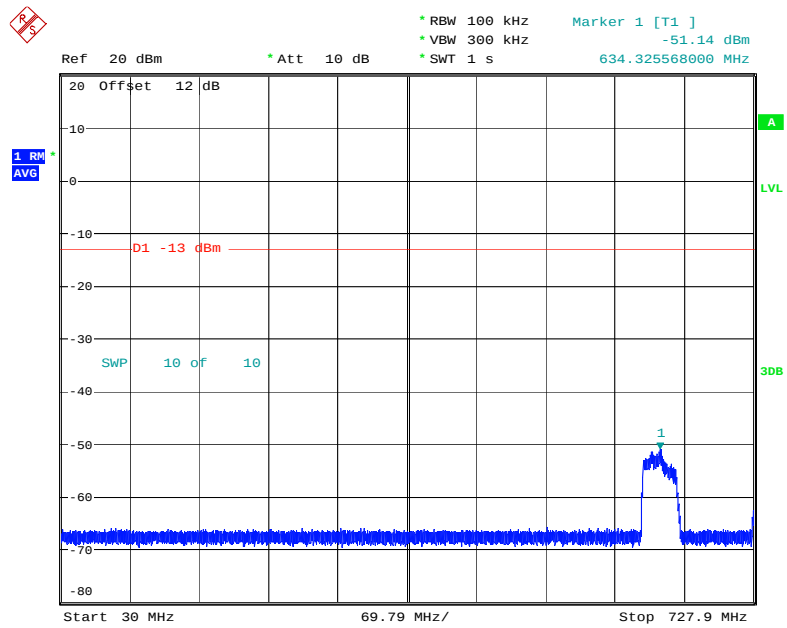
Date: 14. JAN. 2023 13:46:36



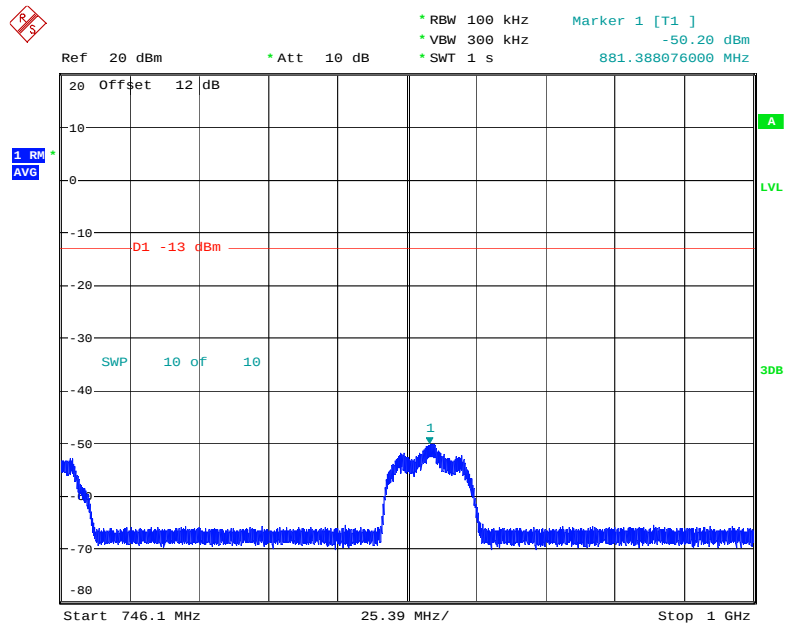
Date: 14.JAN.2023 13:46:57



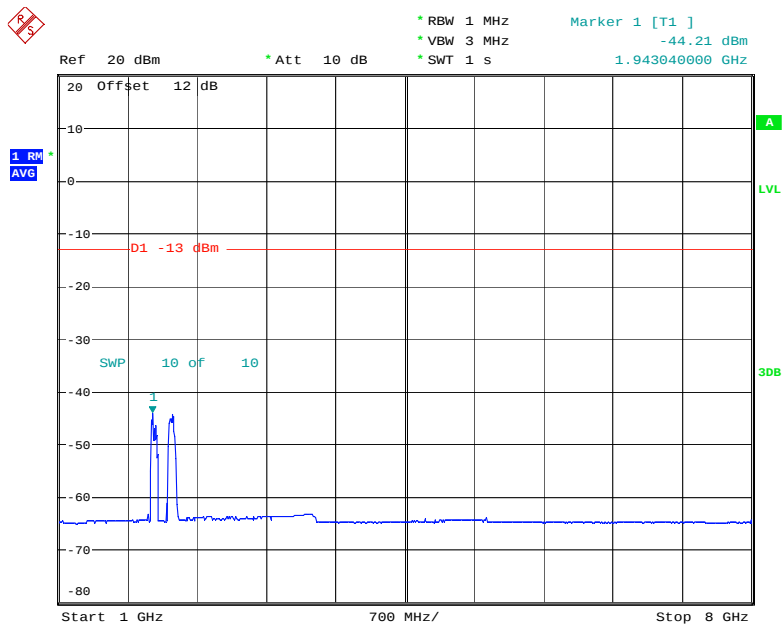
Date: 14.JAN.2023 13:46:18

Lower 700MHz (A+B+C Block) - AWGN-Pre AGC-High Channel

Date: 14.JAN.2023 13:52:51

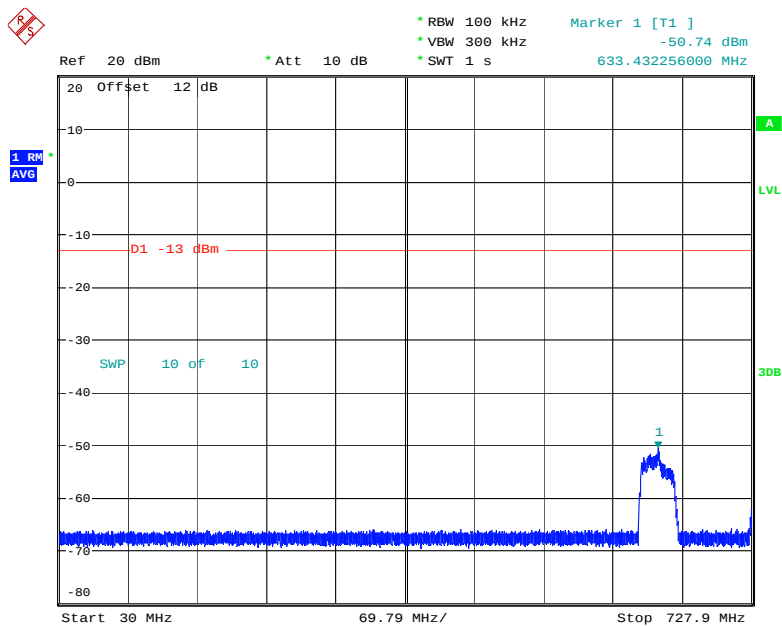


Date: 14.JAN.2023 13:53:12

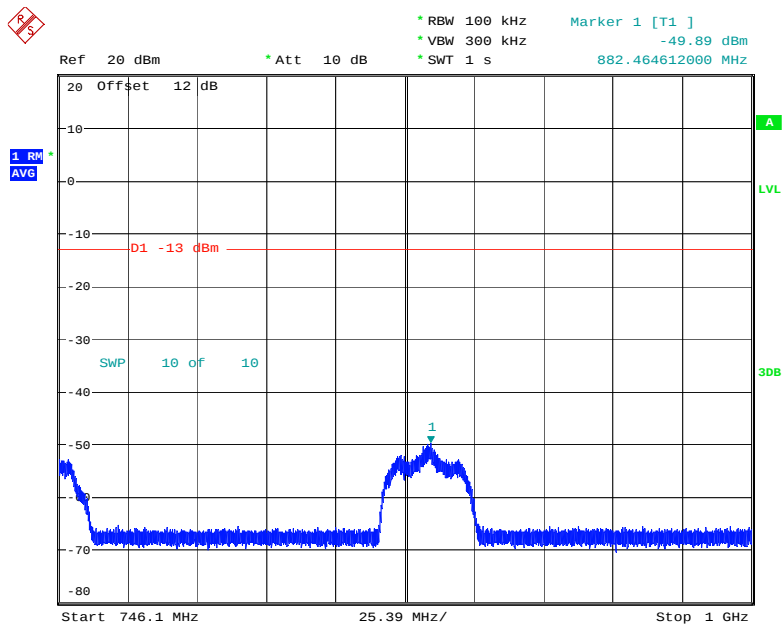


Date: 14.JAN.2023 13:52:33

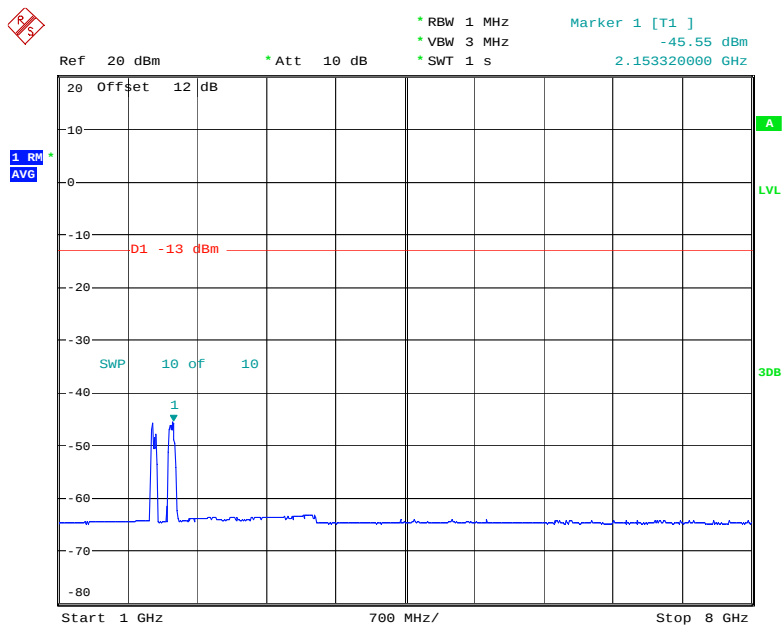
Lower 700MHz (A+B+C Block)-GSM-Pre AGC-Low Channel



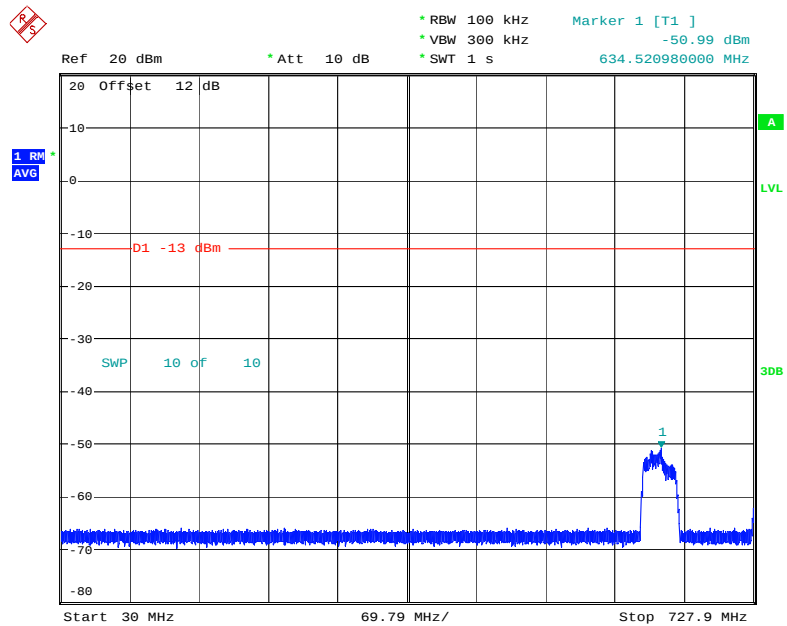
Date: 14.JAN.2023 13:22:54



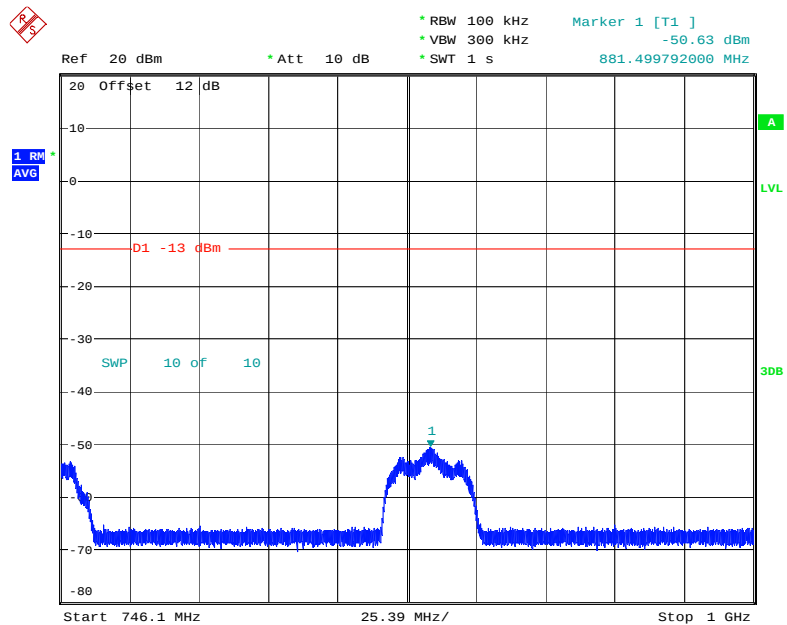
Date: 14.JAN.2023 13:23:14



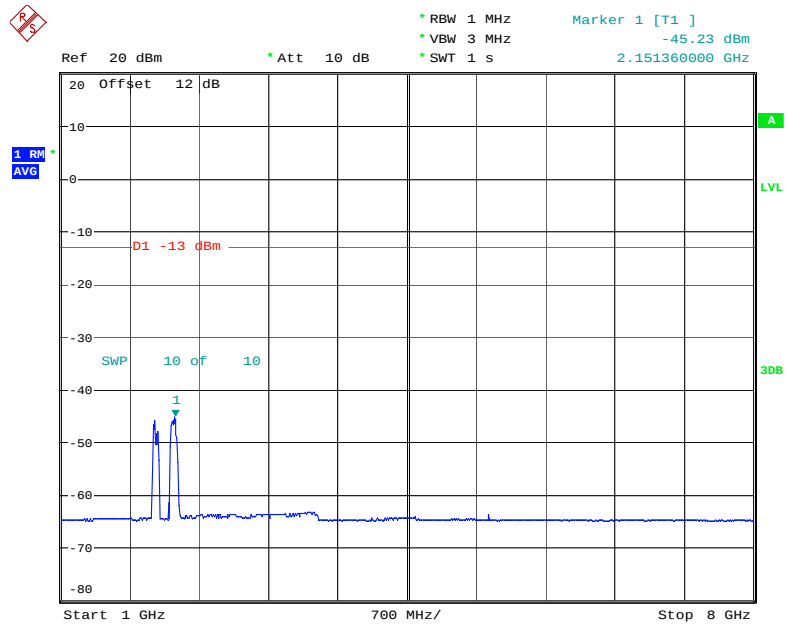
Date: 14.JAN.2023 13:22:36

Lower 700MHz (A+B+C Block) - GSM-Pre AGC-Middle Channel

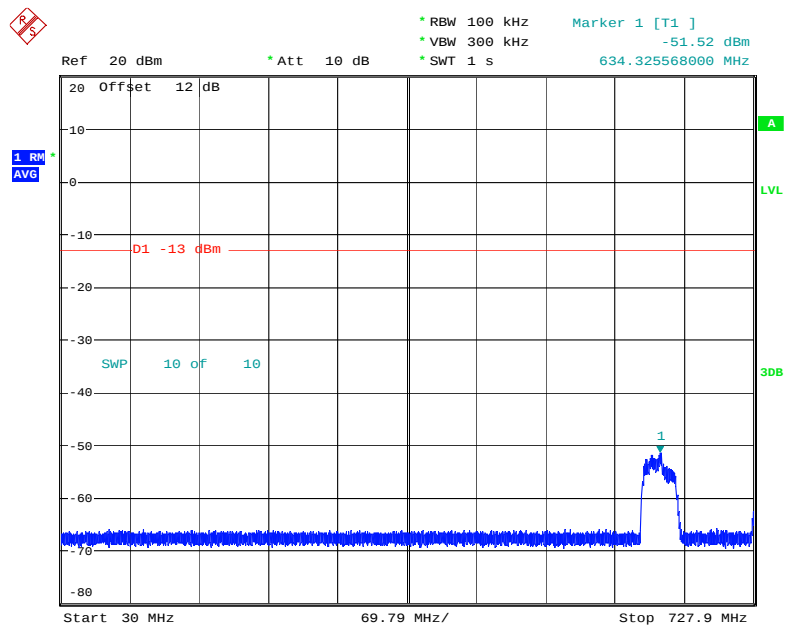
Date: 14. JAN. 2023 13:28:31



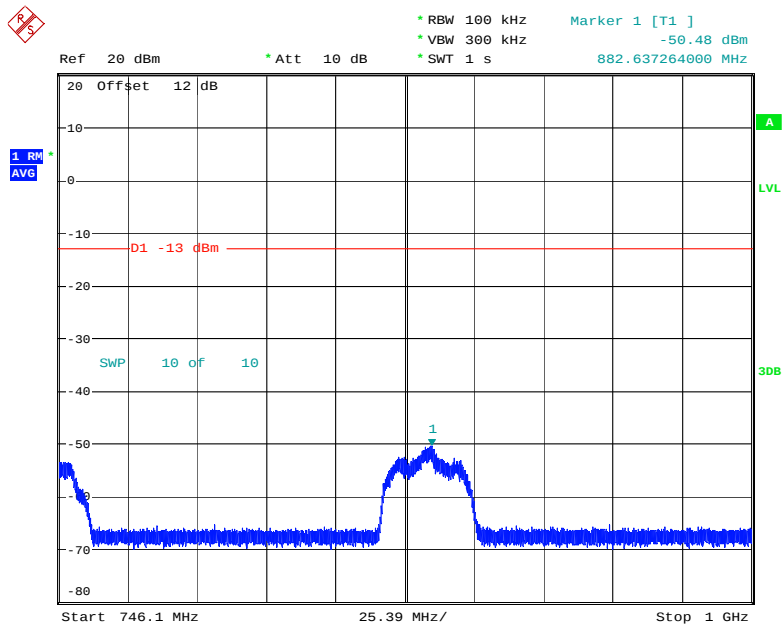
Date: 14. JAN. 2023 13:28:49



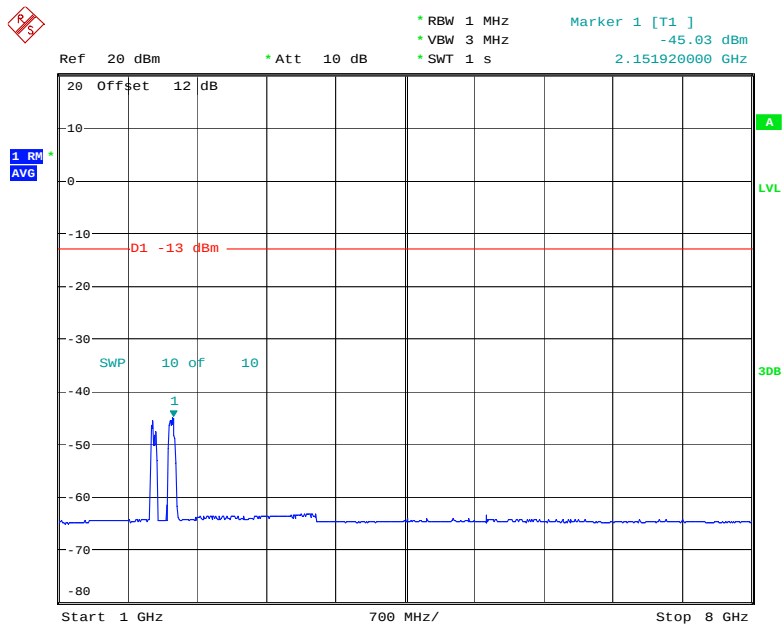
Date: 14.JAN.2023 13:28:10

Lower 700MHz (A+B+C Block) - GSM -Pre AGC-High Channel

Date: 14.JAN.2023 13:34:44

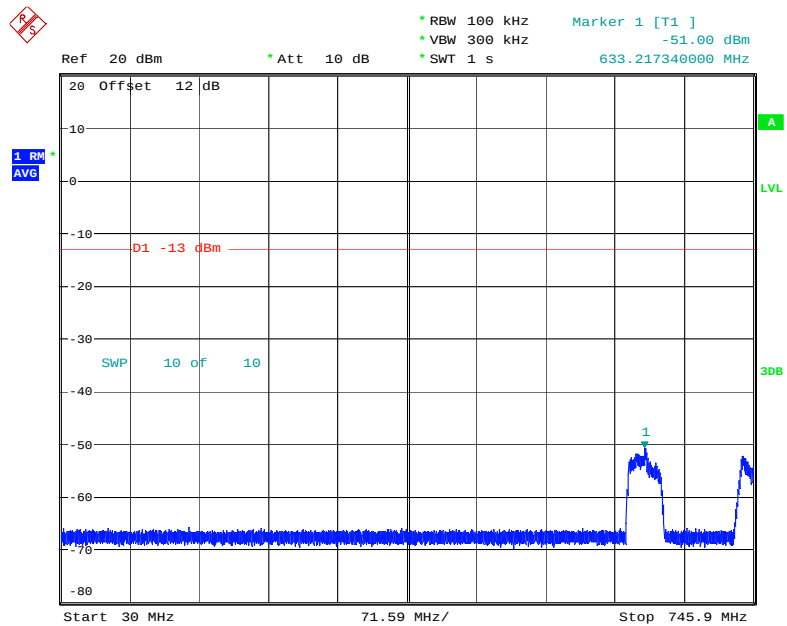


Date: 14. JAN. 2023 13:35:04

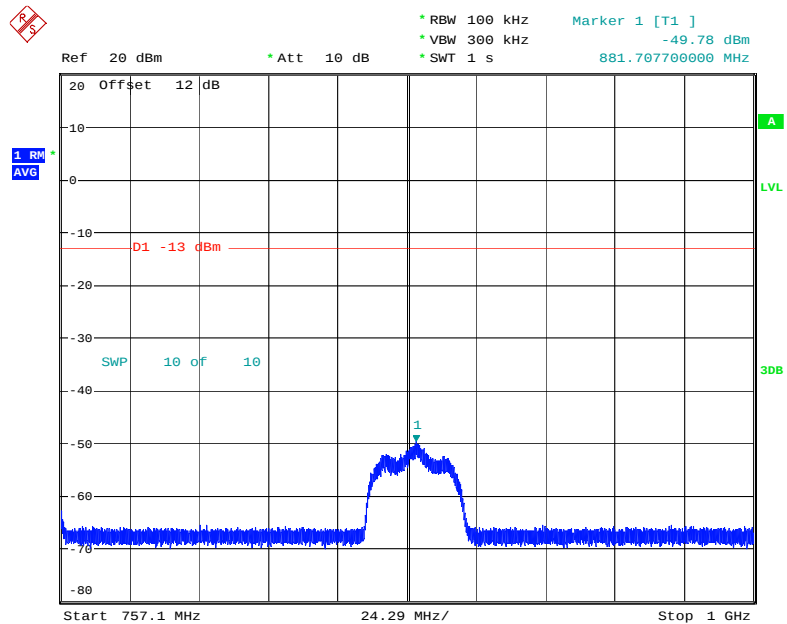


Date: 14. JAN. 2023 13:34:26

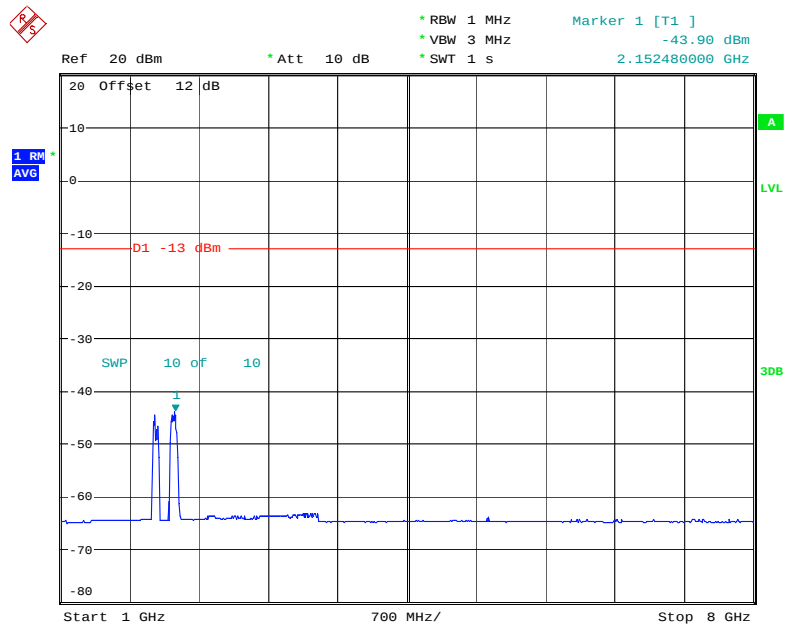
Upper 700MHz (C Block) - AWGN-Pre AGC-Low Channel



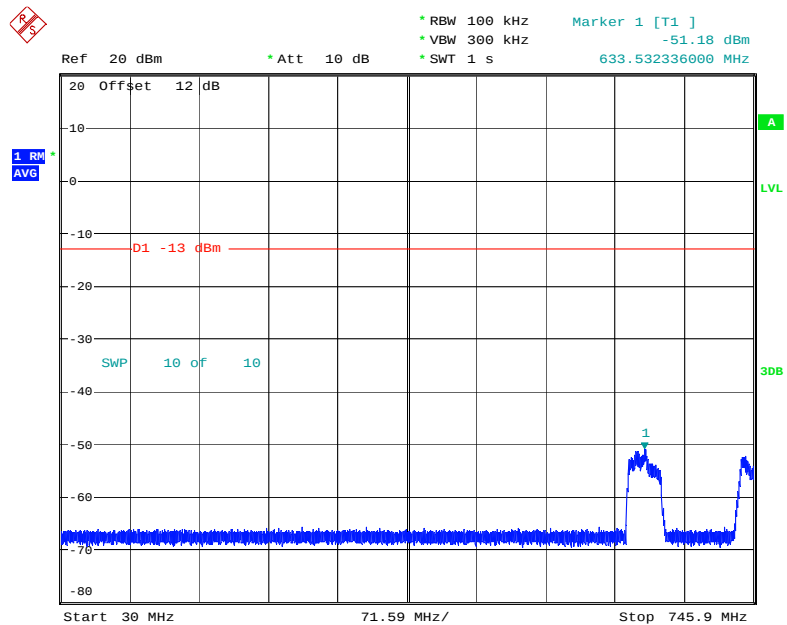
Date: 14.JAN.2023 13:42:01



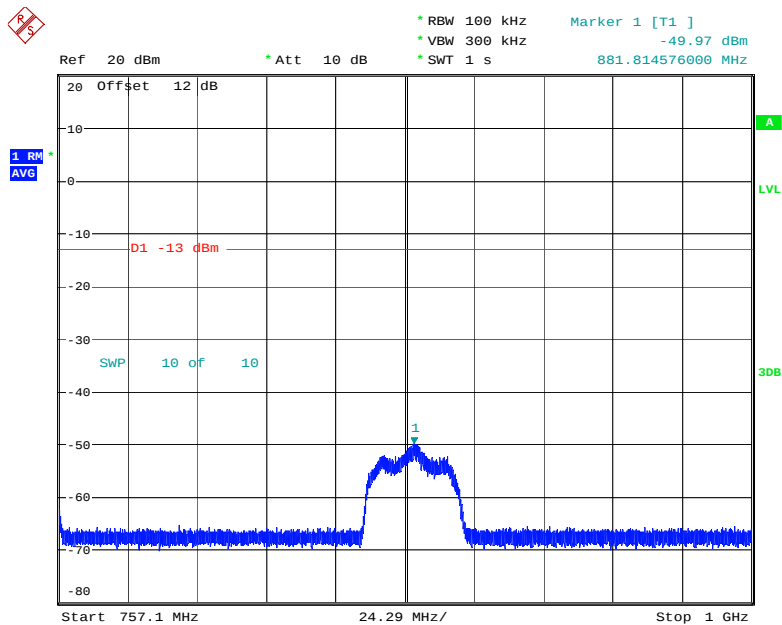
Date: 14.JAN.2023 13:42:21



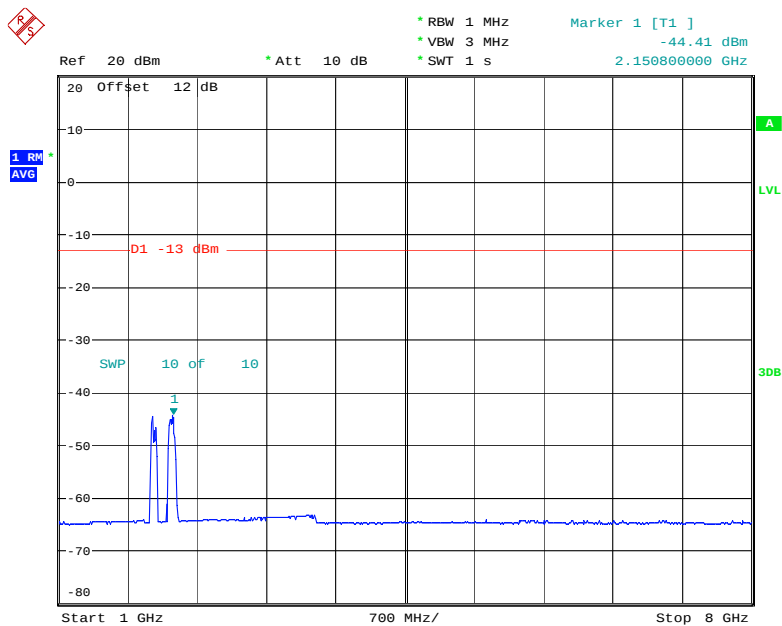
Date: 14. JAN. 2023 13:41:40

Upper 700MHz (C Block) - AWGN-Pre AGC-Middle Channel

Date: 14. JAN. 2023 13:47:36

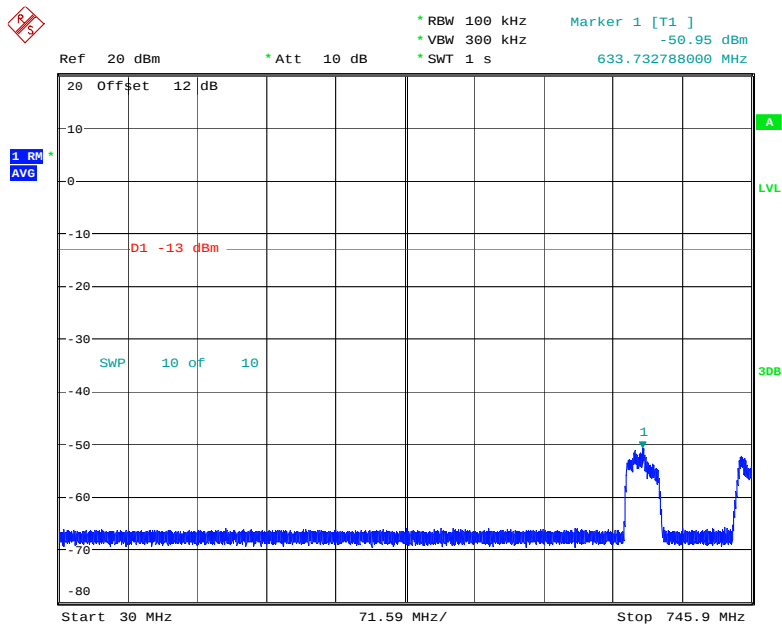


Date: 14.JAN.2023 13:47:55

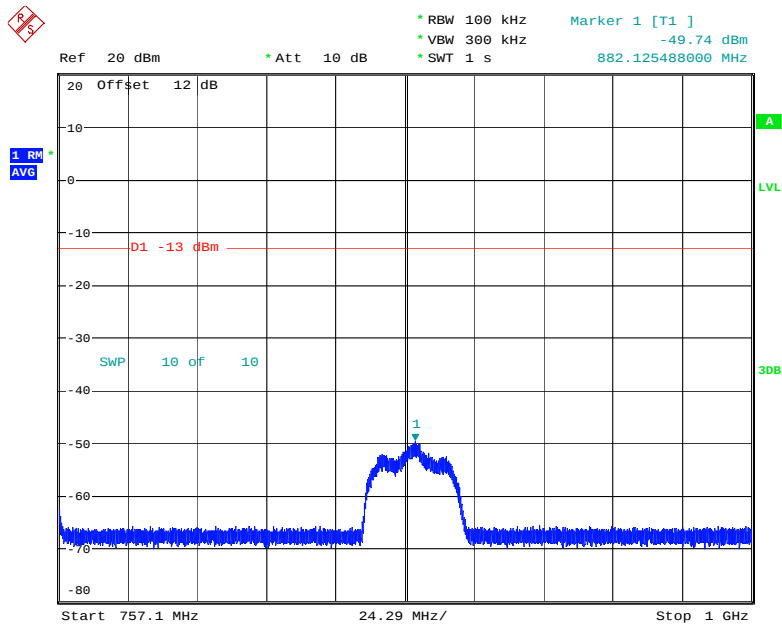


Date: 14.JAN.2023 13:47:17

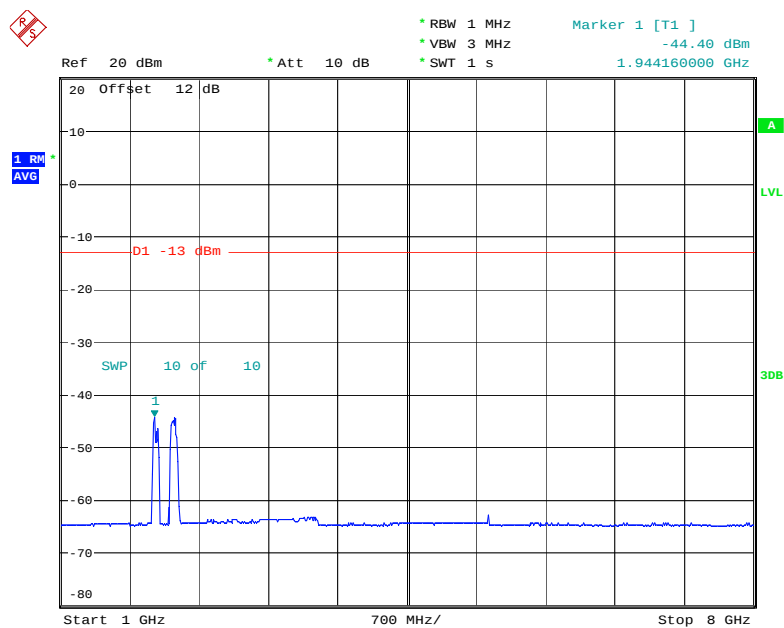
Upper 700MHz (C Block) - AWGN-Pre AGC-High Channel



Date: 14.JAN.2023 13:53:50

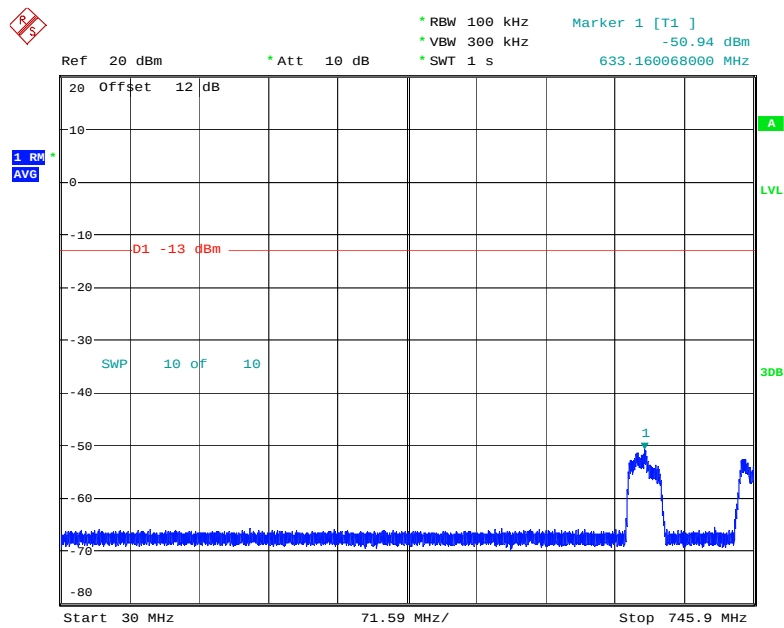


Date: 14.JAN.2023 13:54:10

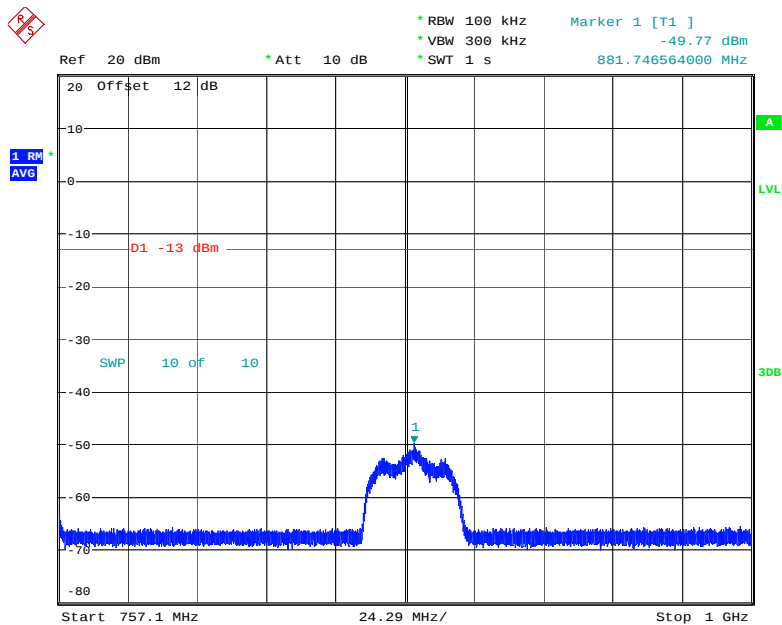


Date: 14.JAN.2023 13:53:32

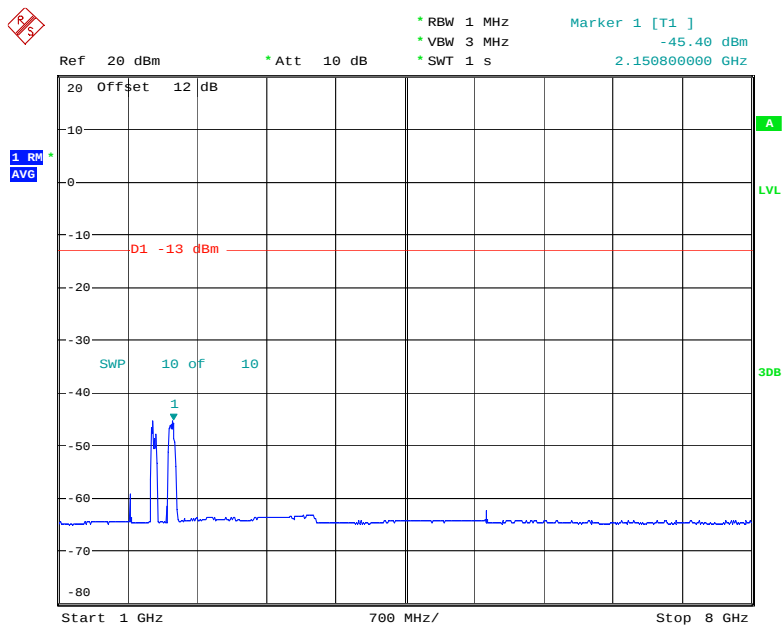
Upper 700MHz (C Block) - GSM-Pre AGC-Low Channel



Date: 14.JAN.2023 13:23:53



Date: 14.JAN.2023 13:24:13



Date: 14.JAN.2023 13:23:35

The screenshot shows a Spectrum Analyzer interface with the following details:

- Top Bar:**
 - Left: A red square icon with a white 'X' and a small '1'.
 - Center: "Ref 20 dBm" and "* Att 10 dB".
 - Right: "* RBW 100 kHz", "* VBW 300 kHz", "* SWT 1 s", "Marker 1 [T1]", "-51.20 dBm", and "633.188704000 MHz".
- Left Panel:**
 - Top: "1 RM" and "AVG" in blue boxes.
 - Bottom: "LVL" and "3DB" in green text.
- Plot Area:**
 - Y-axis: Labeled "Offset 12 dB" at the top. Scale from -80 to 20 dB.
 - X-axis: Labeled "Start 30 MHz", "71.59 MHz/", and "Stop 745.9 MHz".
 - Grid: A 10x10 grid.
 - Signal: A blue trace showing a noisy baseline at -70 dBm, a sharp peak at 71.59 MHz reaching approximately -51 dBm, and a smaller peak at the stop frequency.
 - Annotations: "D1 -13 dBm" in red text, "SWP 10 of 10" in green text, and "1" in green text above the main peak.

Ref 20 dBm * Att 10 dB

* RBW 100 kHz * VBW 300 kHz * SWT 1 s

Marker 1 [T1] -50.24 dBm 881.396788000 MHz

20 Offset 12 dB

10

0

-10

-20

-30

-40

-50

-60

-70

-80

D1 -13 dBm

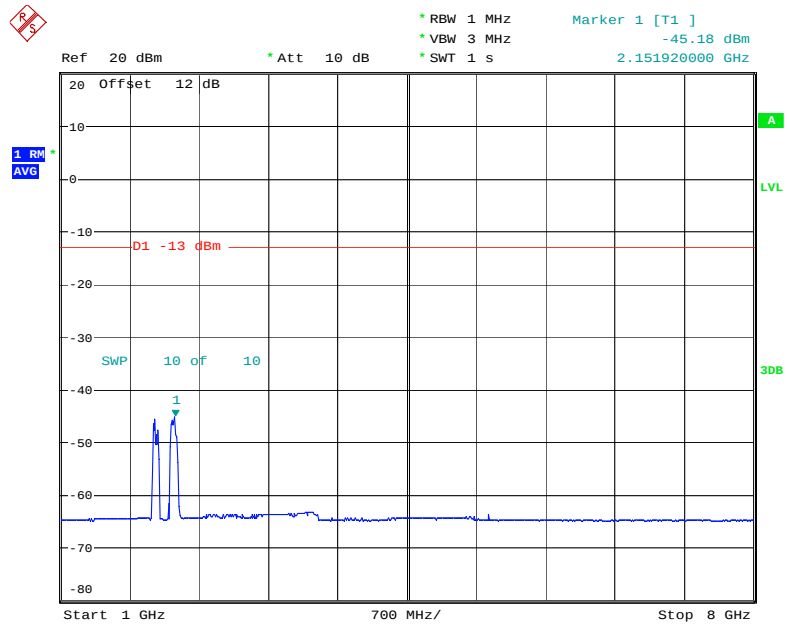
SWP 10 of 10

1

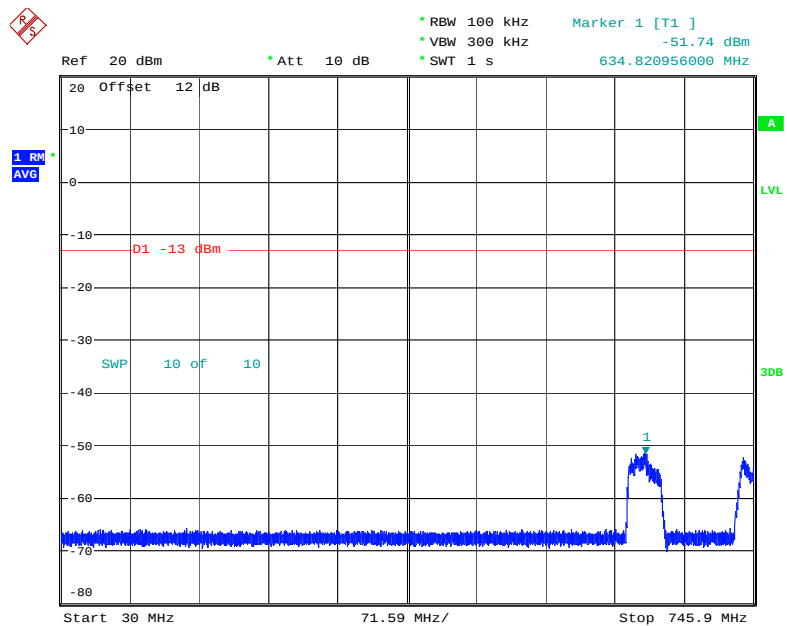
T1

Start 757.1 MHz 24.29 MHz/ Stop 1 GHz

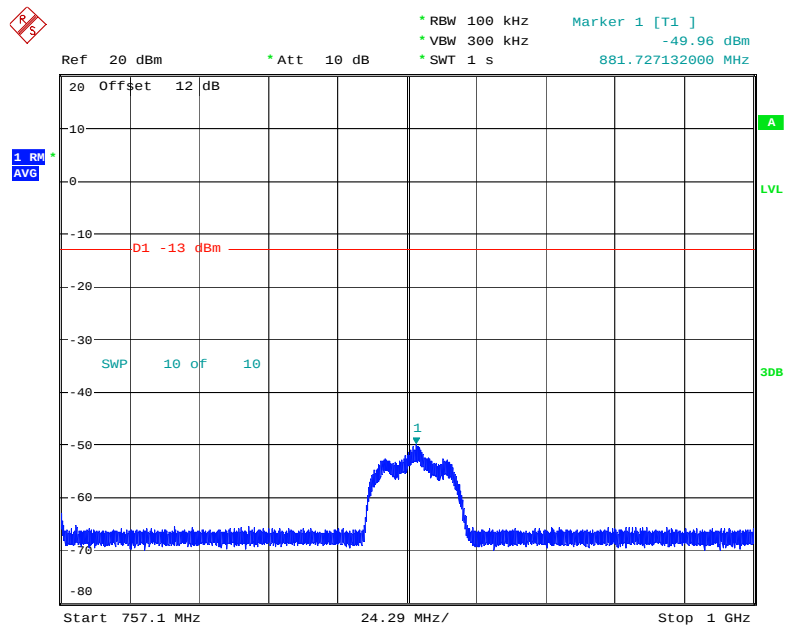
FCC- INDUSTRIALBOOSTER



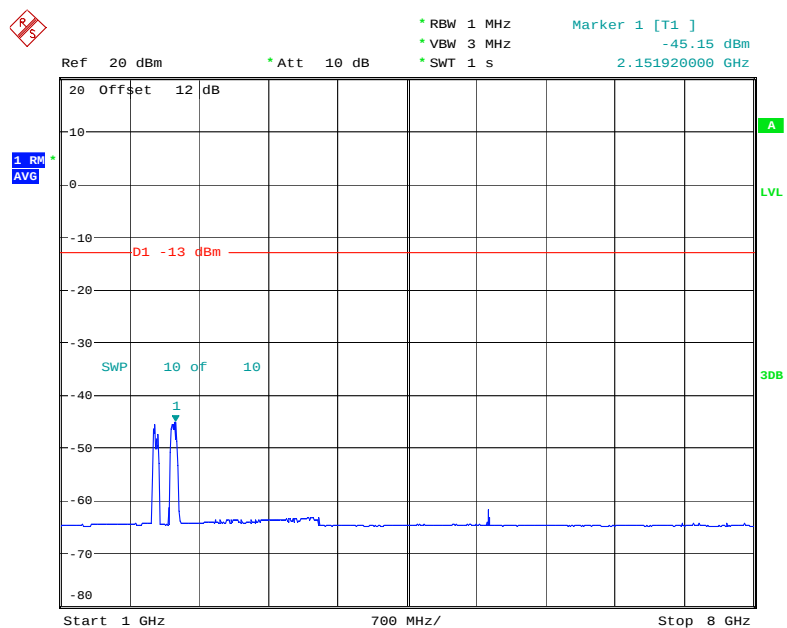
Date: 14.JAN.2023 13:29:09

Upper 700MHz (C Block) - GSM-Pre AGC- High Channel

Date: 14.JAN.2023 13:35:44

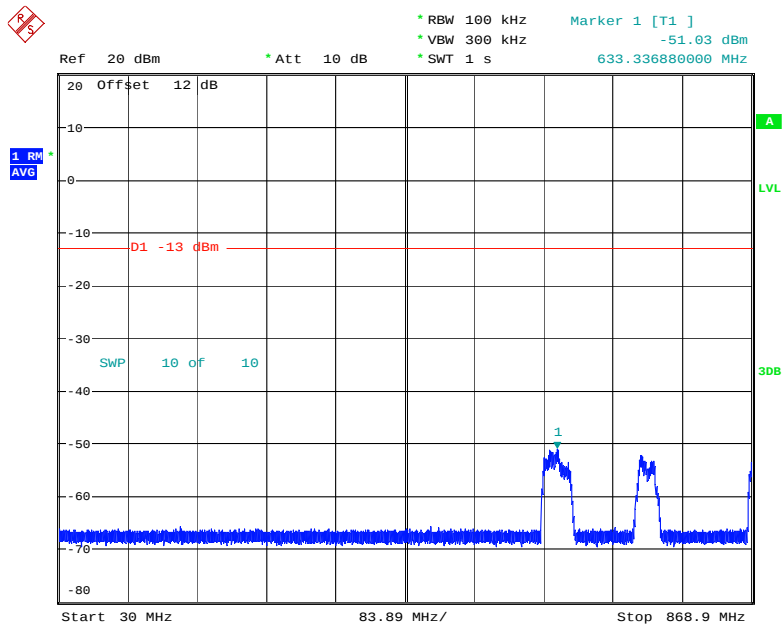


Date: 14.JAN.2023 13:36:03

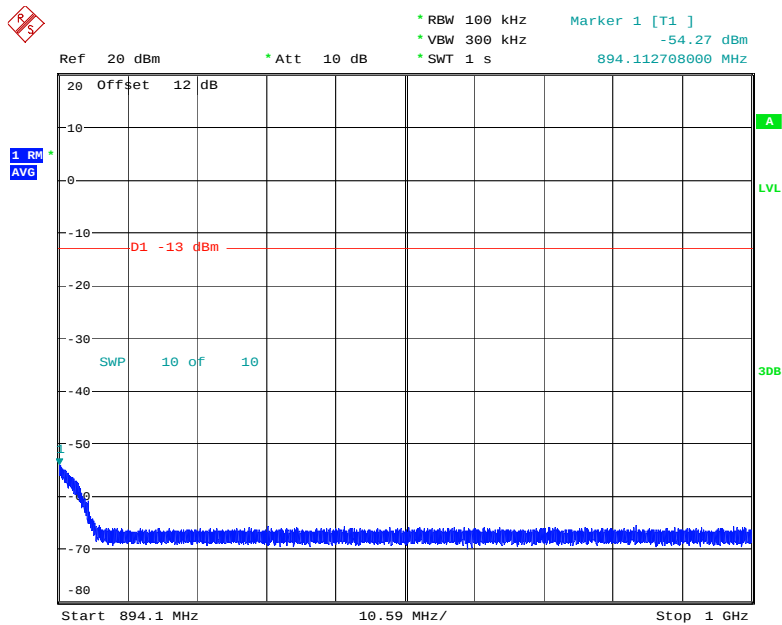


Date: 14.JAN.2023 13:35:25

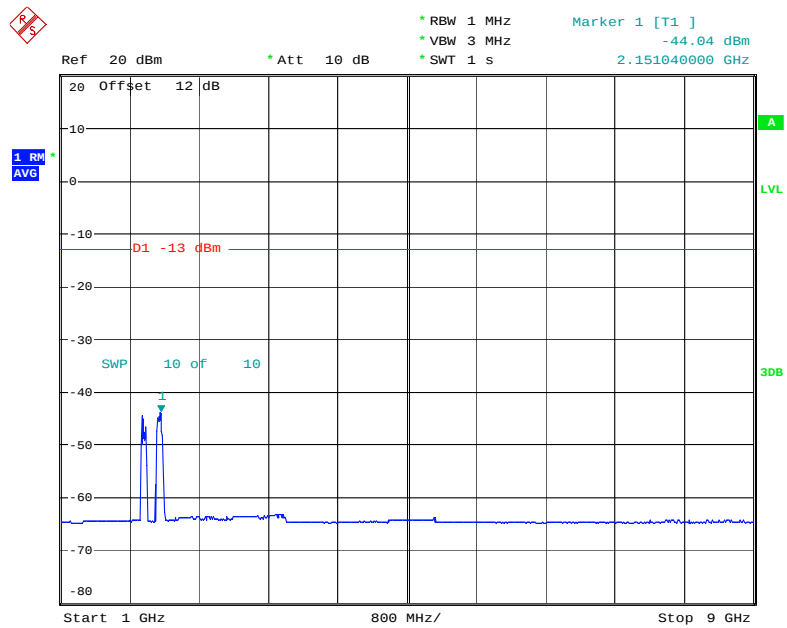
Cellular - AWGN-Pre AGC-Low Channel



Date: 14. JAN. 2023 13:42:59

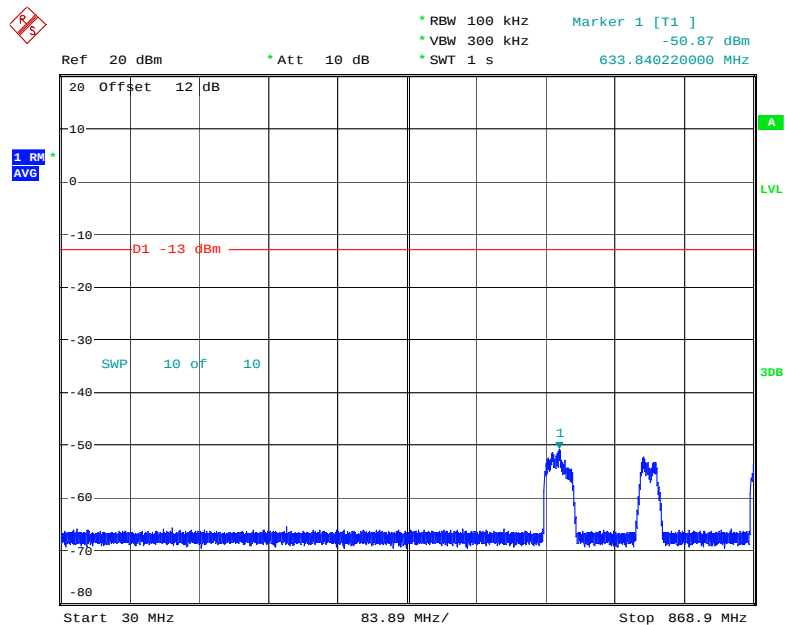


Date: 14. JAN. 2023 13:43:20

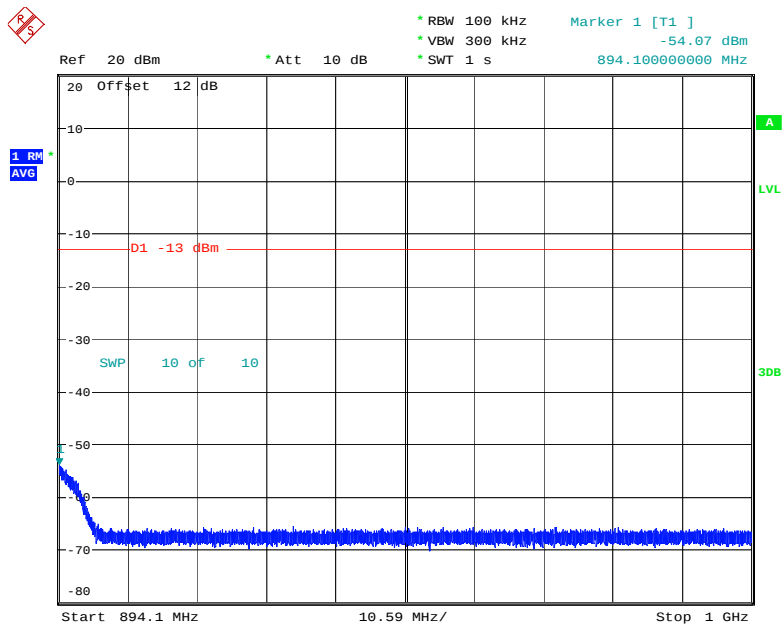


Date: 14.JAN.2023 13:42:40

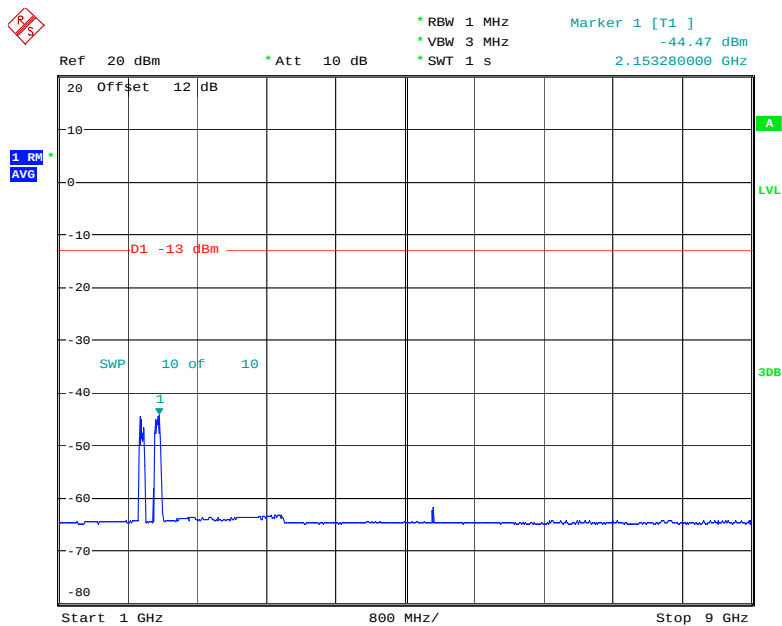
Cellular - AWGN-Pre AGC-Middle Channel



Date: 14.JAN.2023 13:48:36

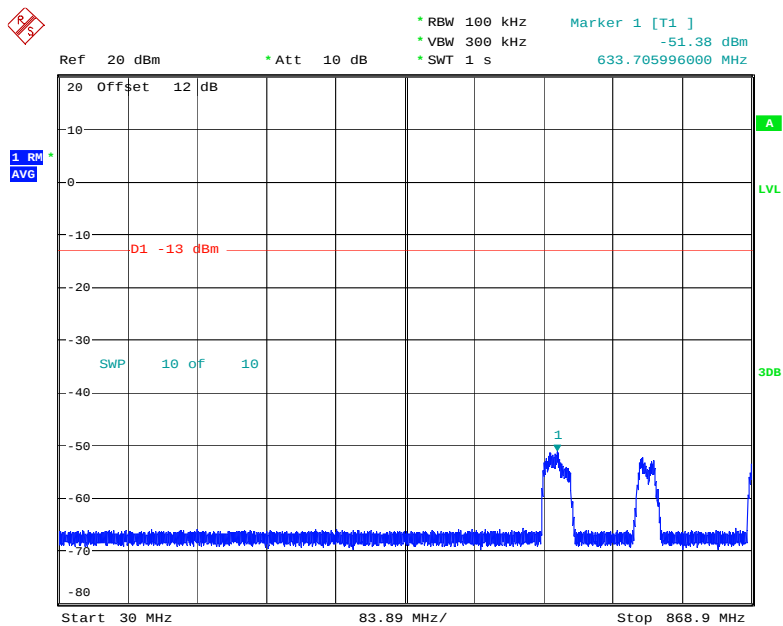


Date: 14.JAN.2023 13:48:54

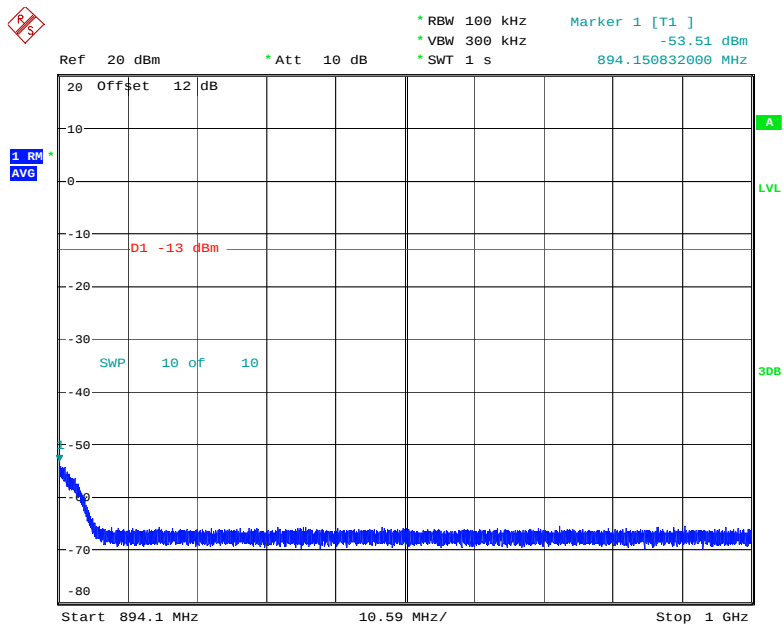


Date: 14.JAN.2023 13:48:16

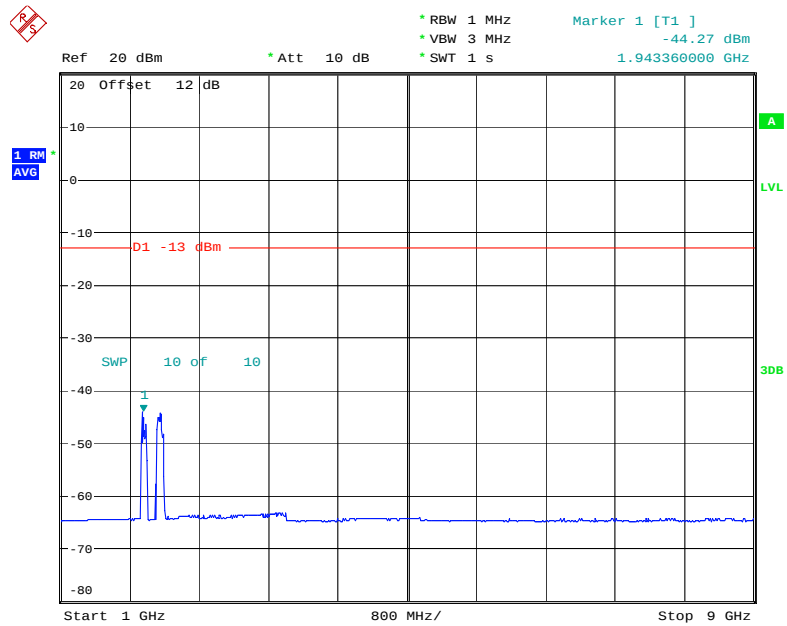
Cellular - AWGN-Pre AGC-High Channel



Date: 14.JAN.2023 13:54:51

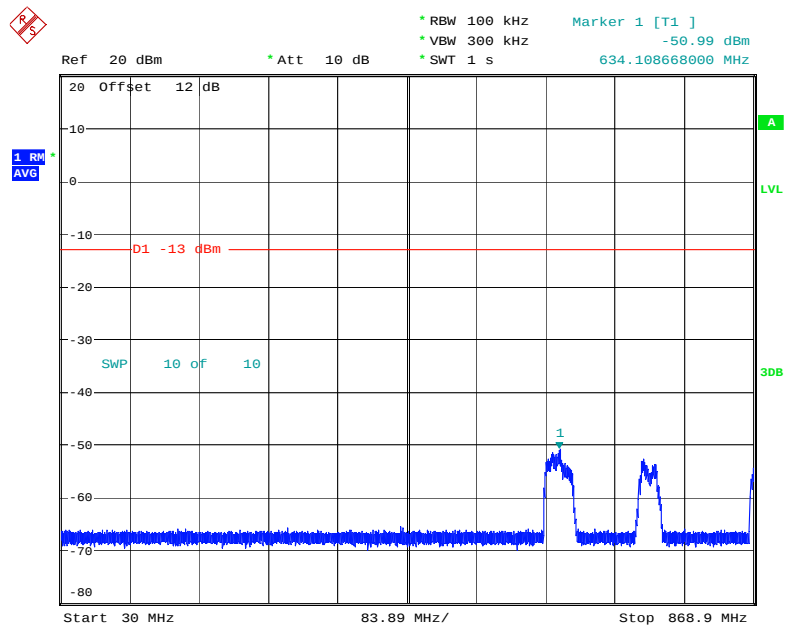


Date: 14.JAN.2023 13:55:09

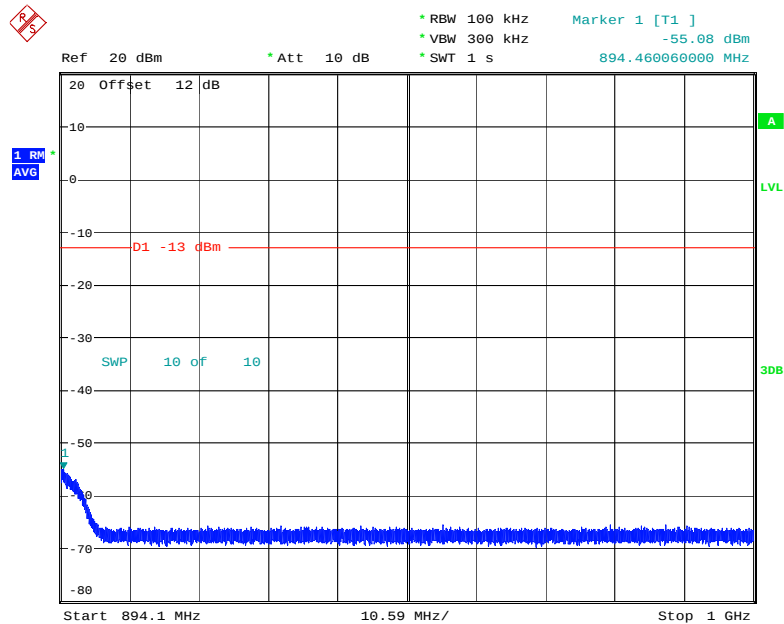


Date: 14.JAN.2023 13:54:31

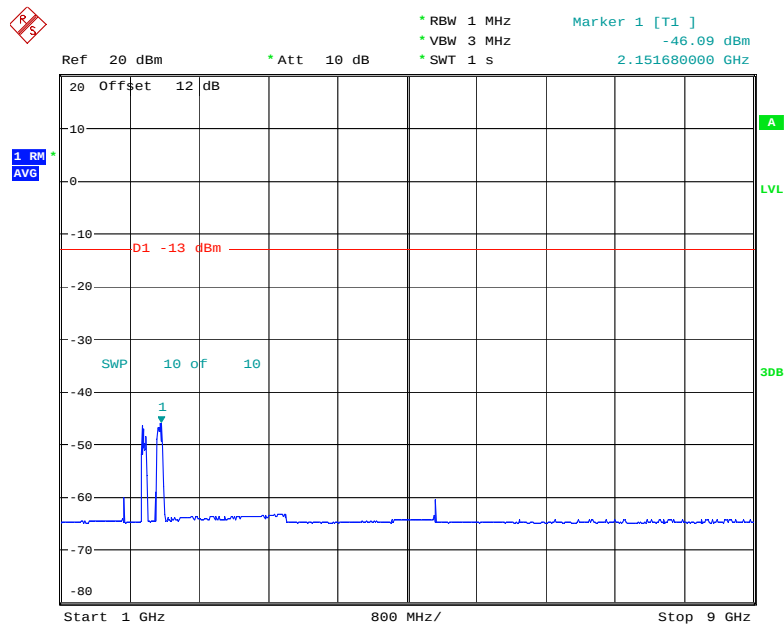
Cellular -GSM-Pre AGC-Low Channel



Date: 14.JAN.2023 13:24:54



Date: 14.JAN.2023 13:25:12



Date: 14.JAN.2023 13:24:34

Ref 20 dBm * Att 10 dB * RBW 100 kHz * VBW 300 kHz * SWT 1 s Marker 1 [T1] -50.90 dBm 633.806664000 MHz

20 Offset 12 dB

1 RM
AVG

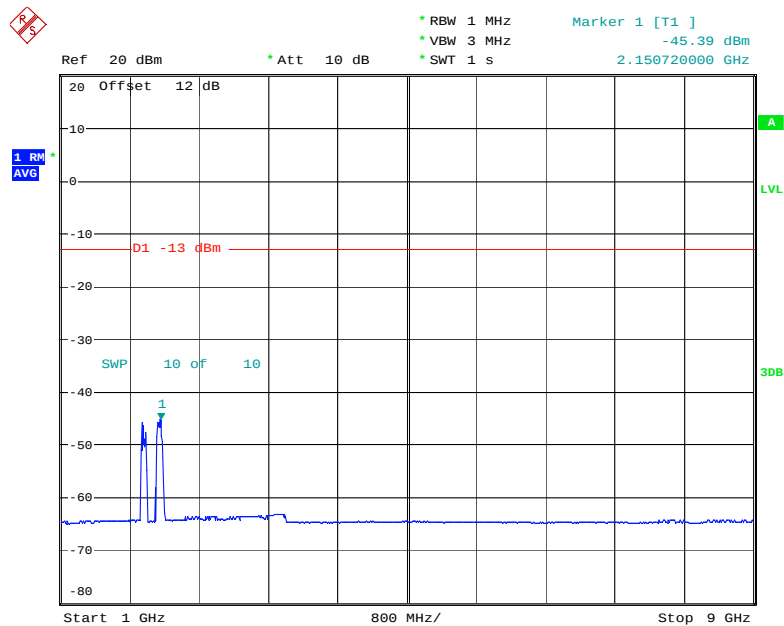
D1 -13 dBm

SWP 10 of 10

1

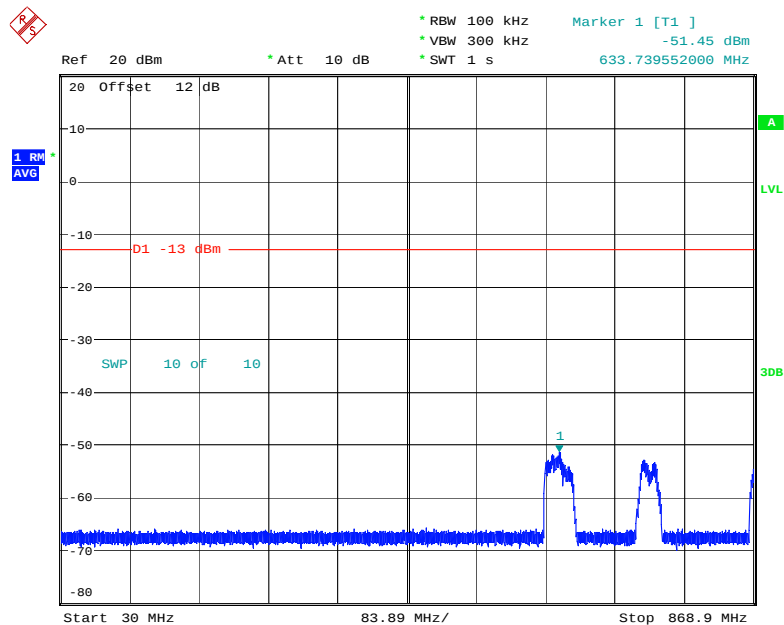
Start 30 MHz 83.89 MHz/ Stop 868.9 MHz

FCC- INDUSTRIALBOOSTER

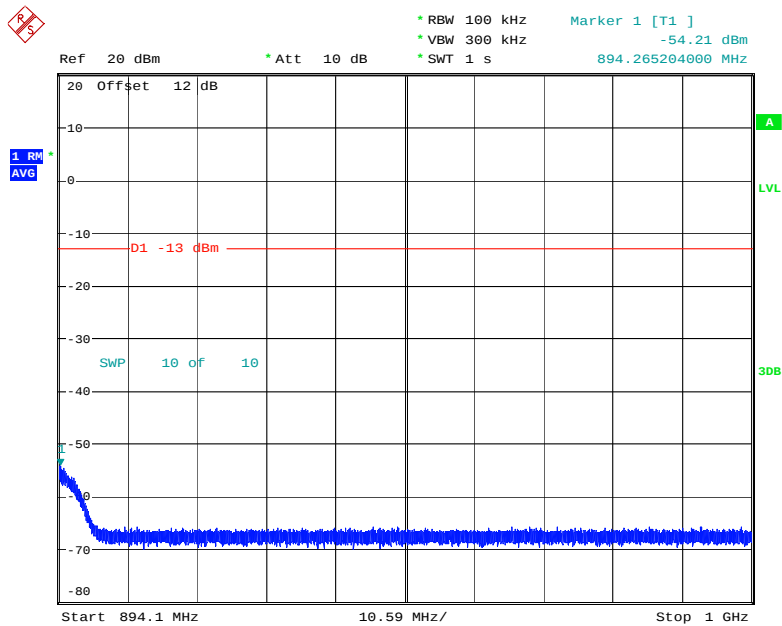


Date: 14.JAN.2023 13:30:08

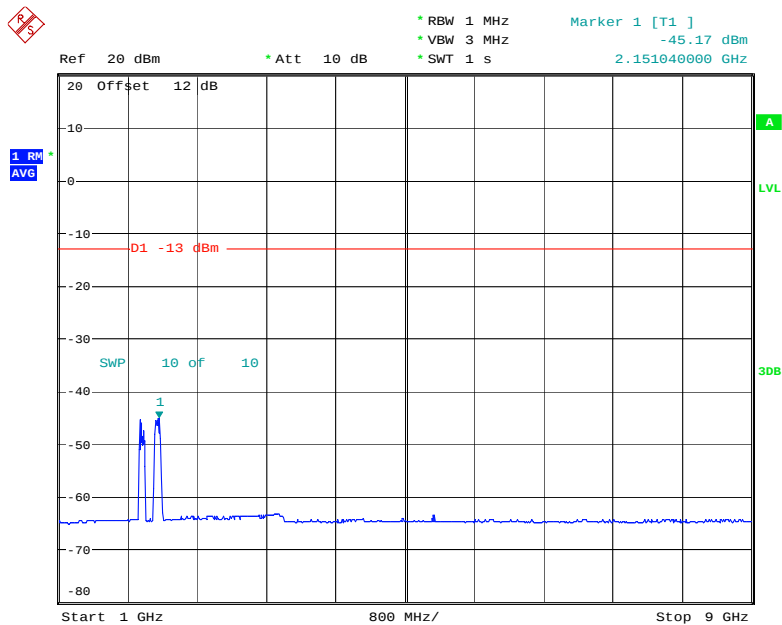
Cellular – GSM -Pre AGC- High Channel



Date: 14.JAN.2023 13:36:44

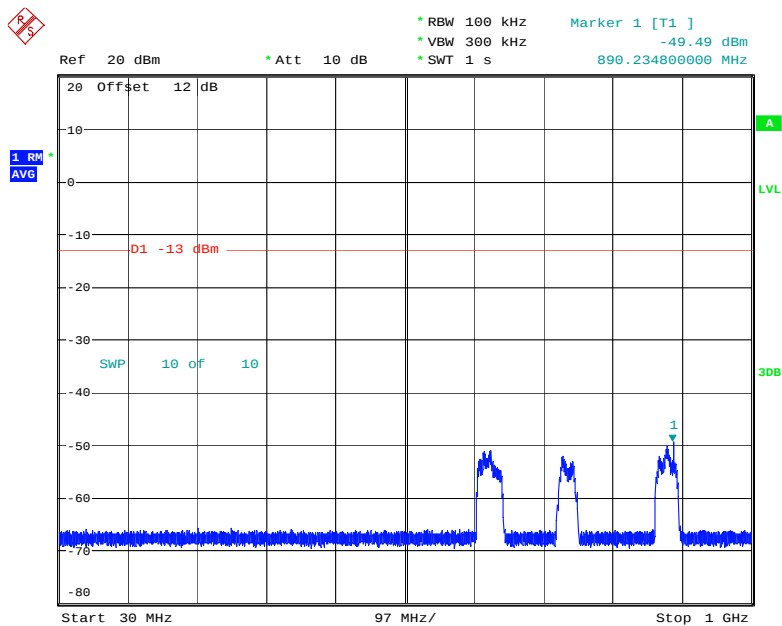


Date: 14. JAN. 2023 13:37:02

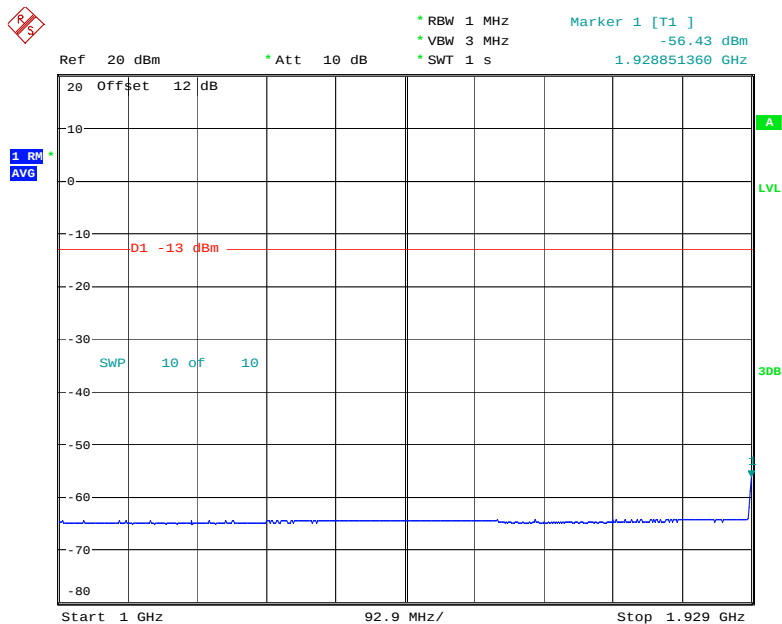


Date: 14. JAN. 2023 13:36:24

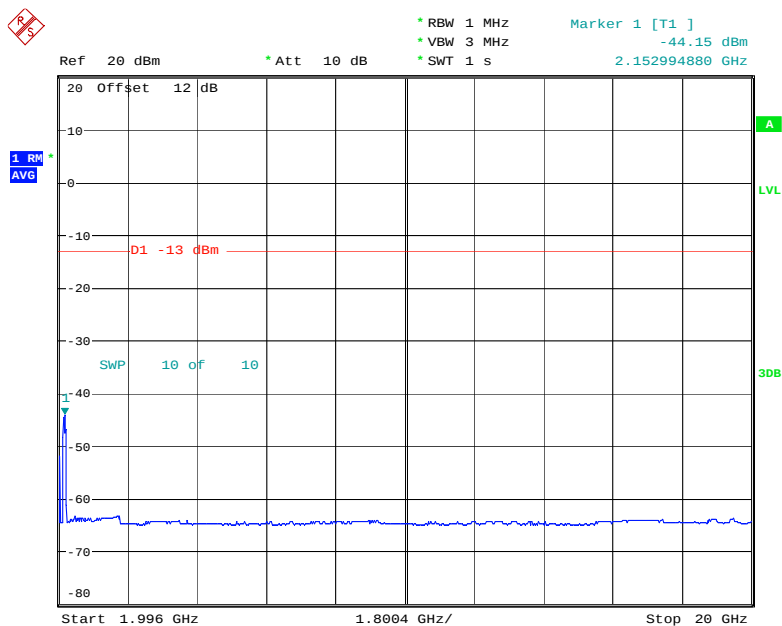
PCS- AWGN-Pre AGC-Low Channel



Date: 14.JAN.2023 13:43:58

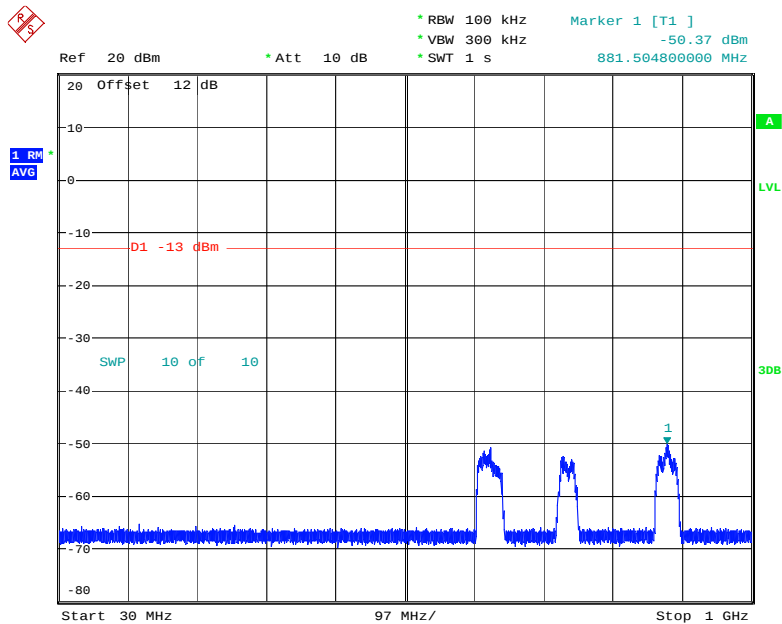


Date: 14.JAN.2023 13:43:40

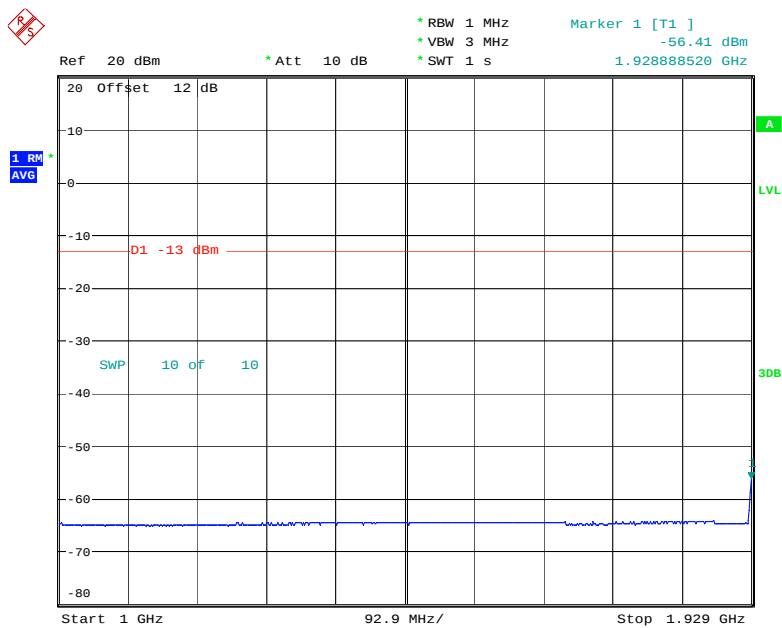


Date: 14.JAN.2023 13:44:18

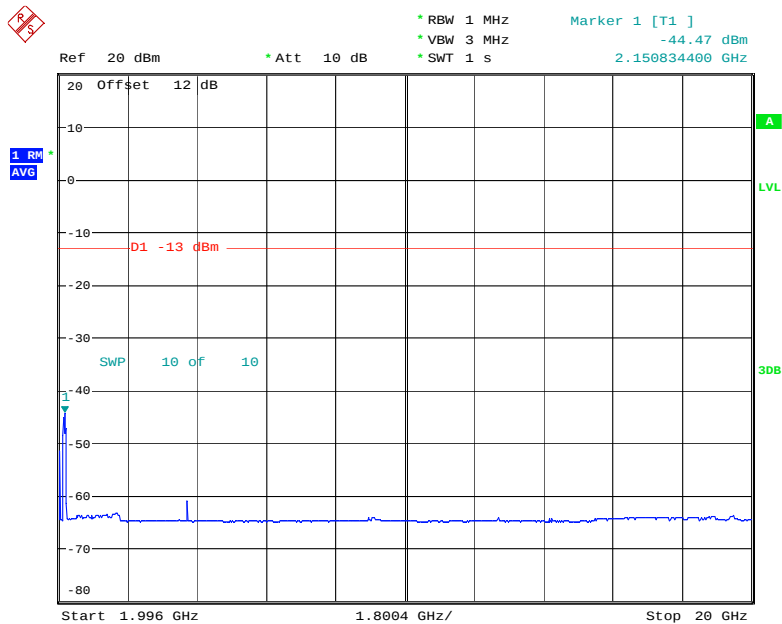
PCS- AWGN-Pre AGC-Middle Channel



Date: 14.JAN.2023 13:49:35

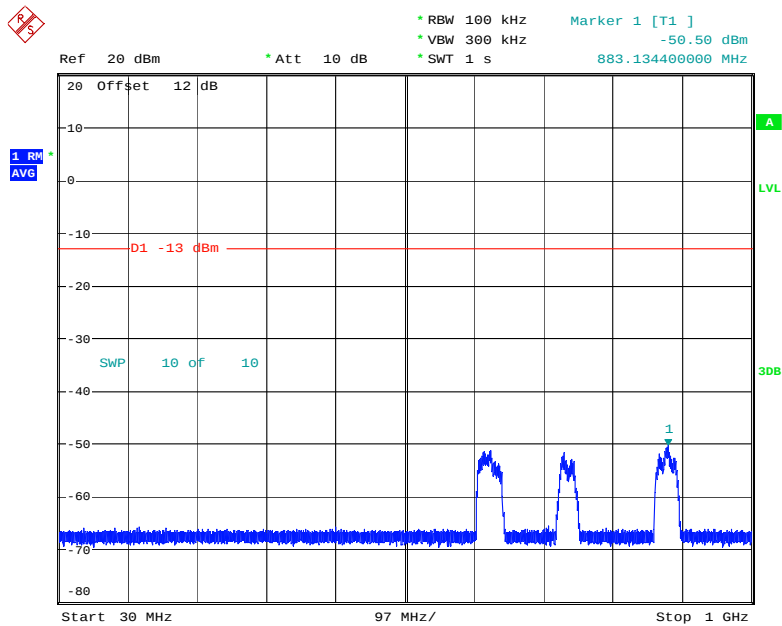


Date: 14.JAN.2023 13:49:14

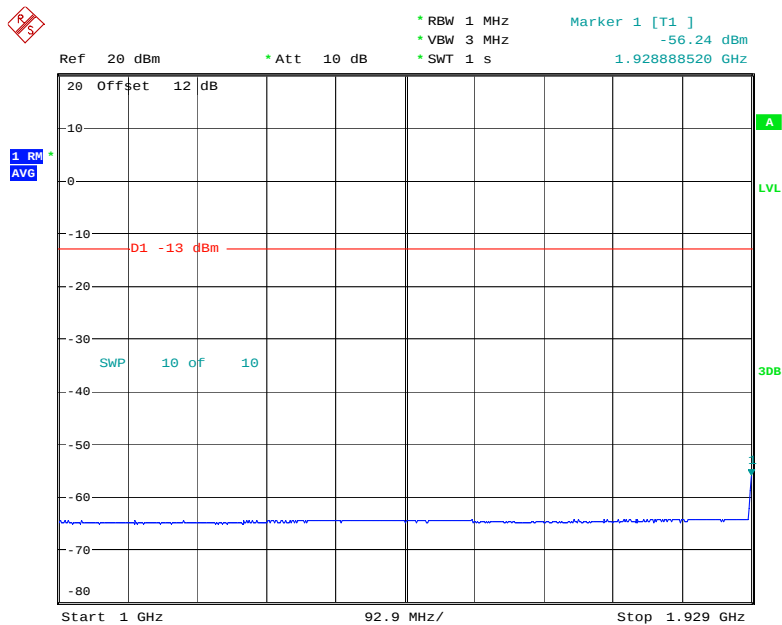


Date: 14.JAN.2023 13:49:54

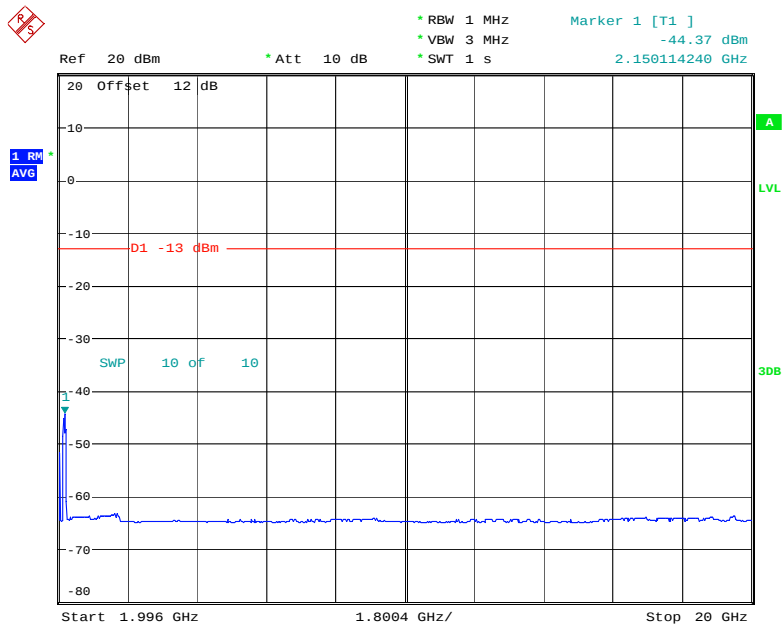
PCS- AWGN-Pre AGC-High Channel



Date: 14. JAN. 2023 13:55:50

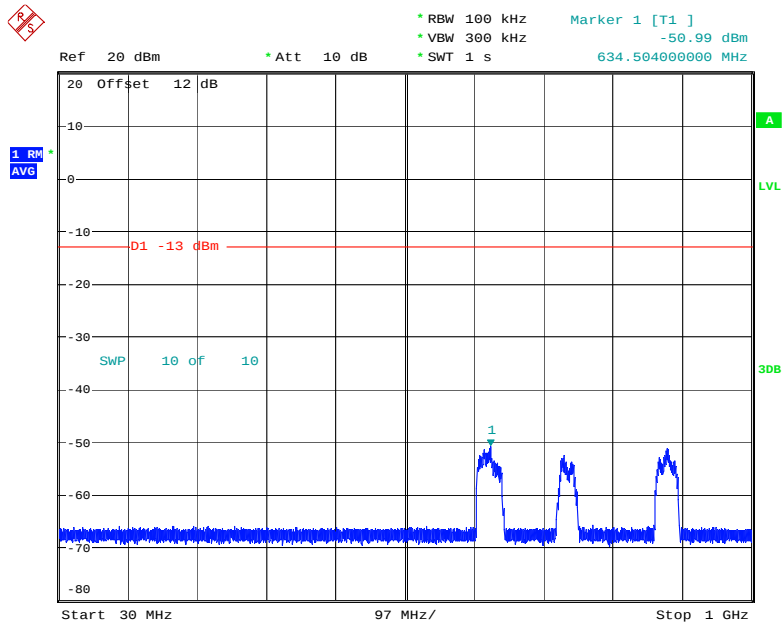


Date: 14. JAN. 2023 13:55:29

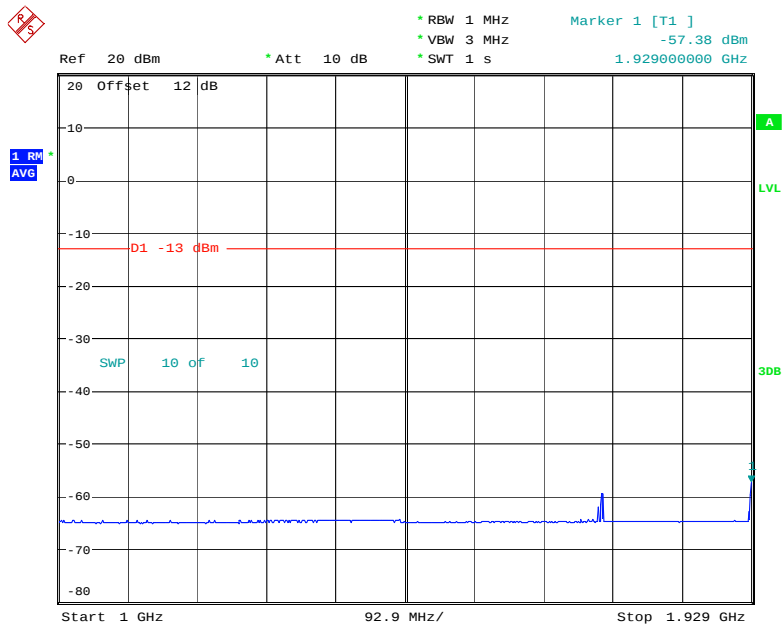


Date: 14. JAN. 2023 13:56:09

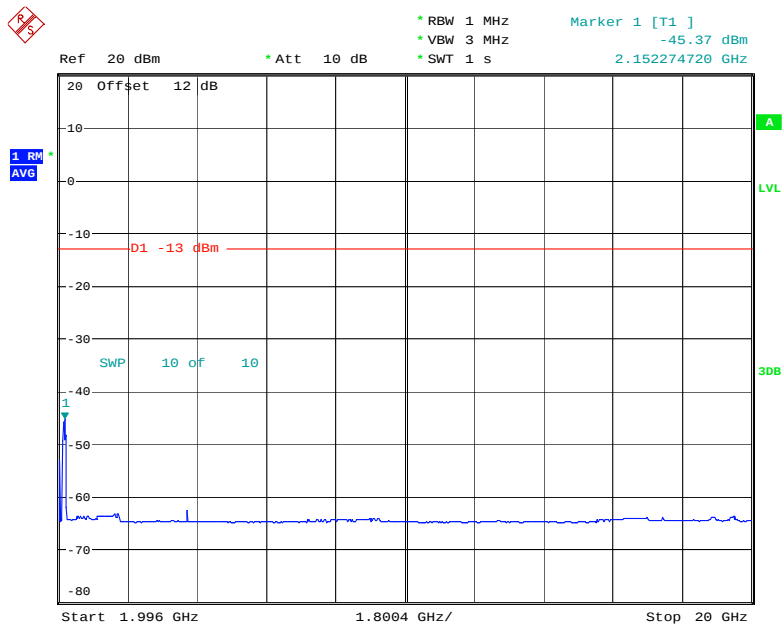
PCS- GSM-Pre AGC-Low Channel



Date: 14. JAN. 2023 13:25:53

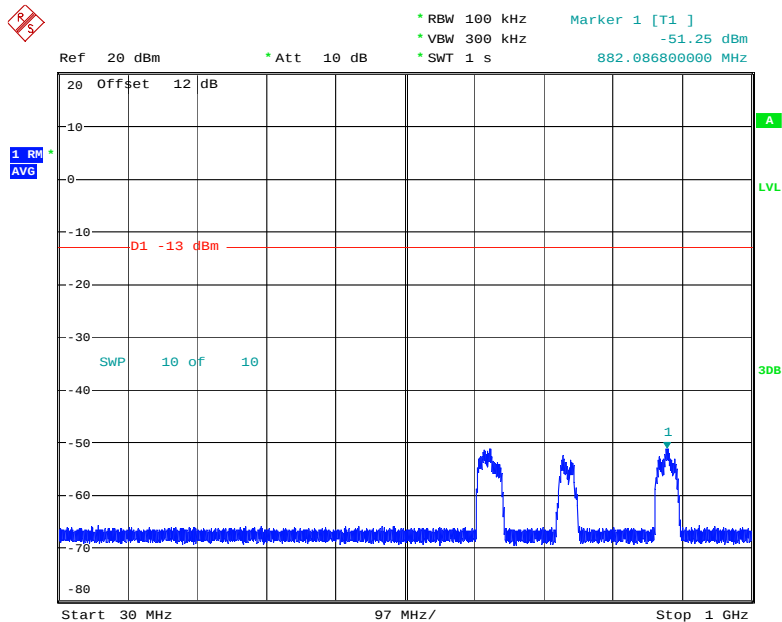


Date: 14. JAN. 2023 13:25:32

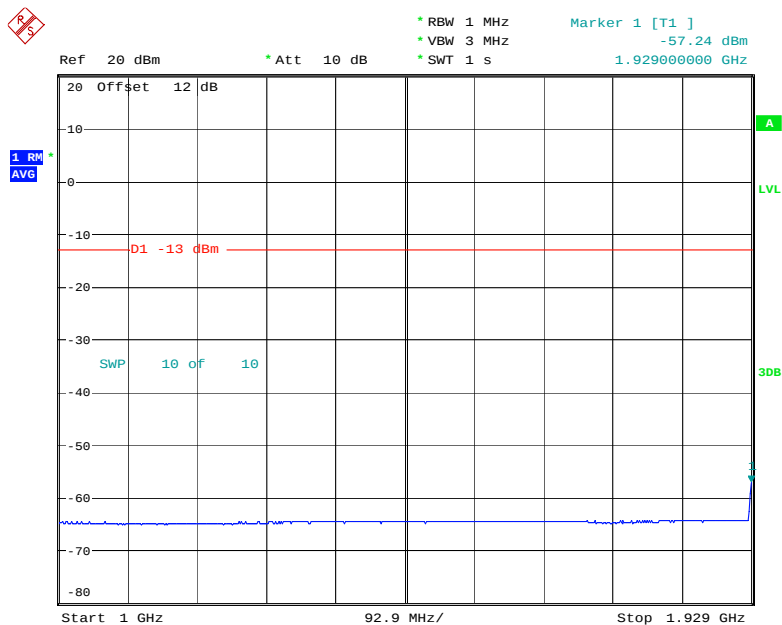


Date: 14. JAN. 2023 13:26:12

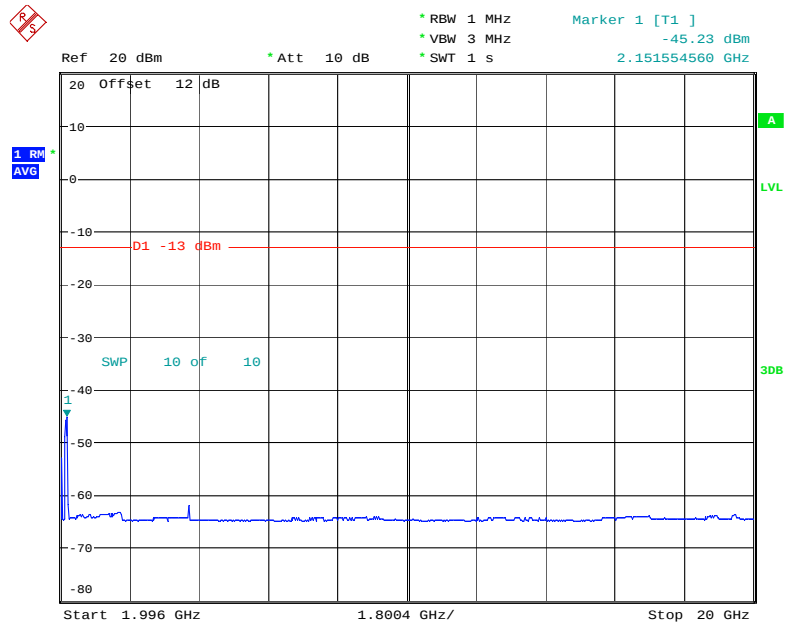
PCS- GSM-Pre AGC-Middle Channel



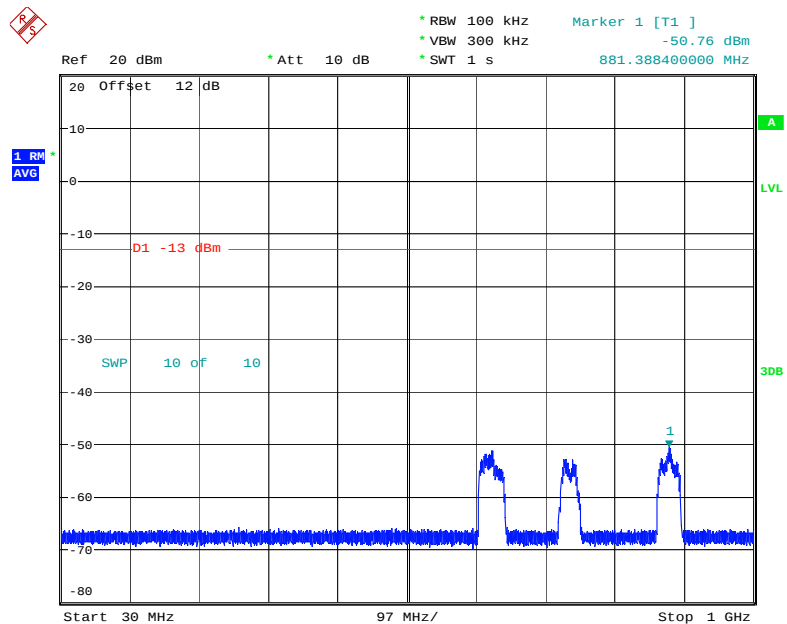
Date: 14.JAN.2023 13:31:27



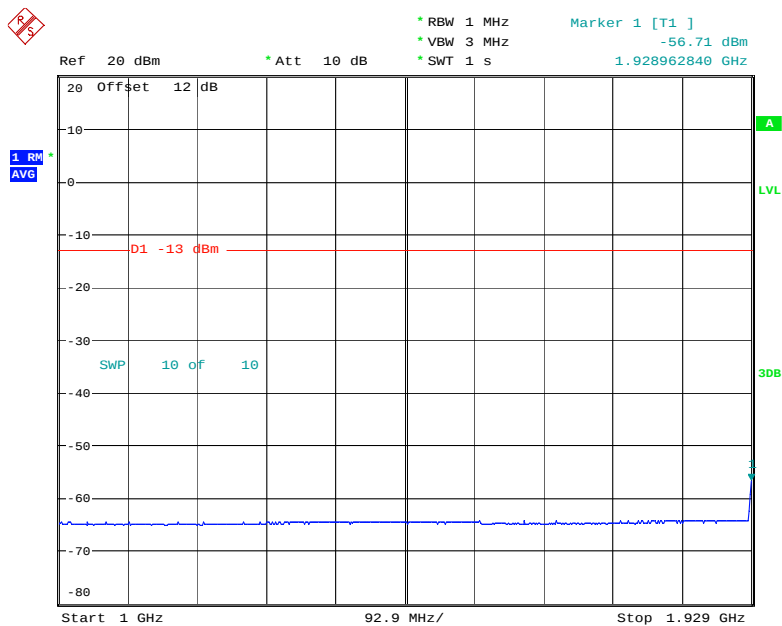
Date: 14.JAN.2023 13:31:08



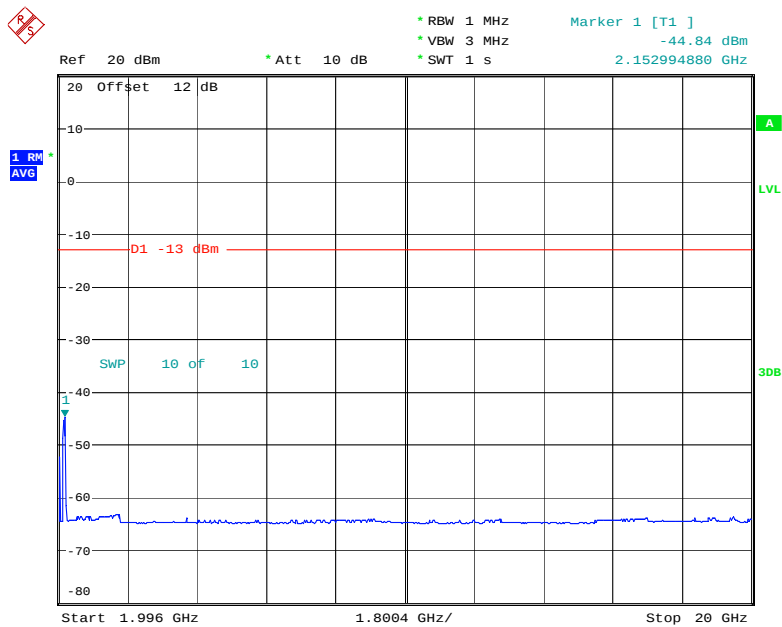
Date: 14. JAN. 2023 13:31:48

PCS- GSM-Pre AGC-High Channel

Date: 14. JAN. 2023 13:37:43

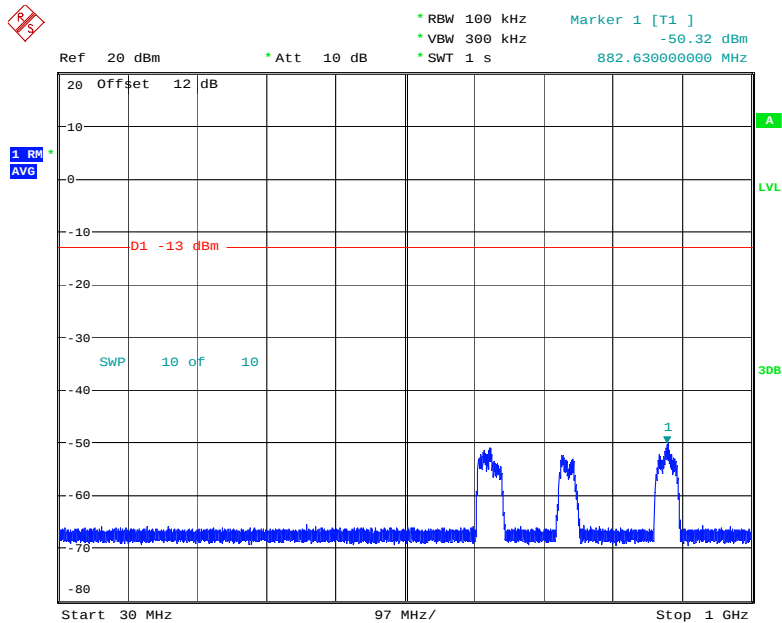


Date: 14.JAN.2023 13:37:22

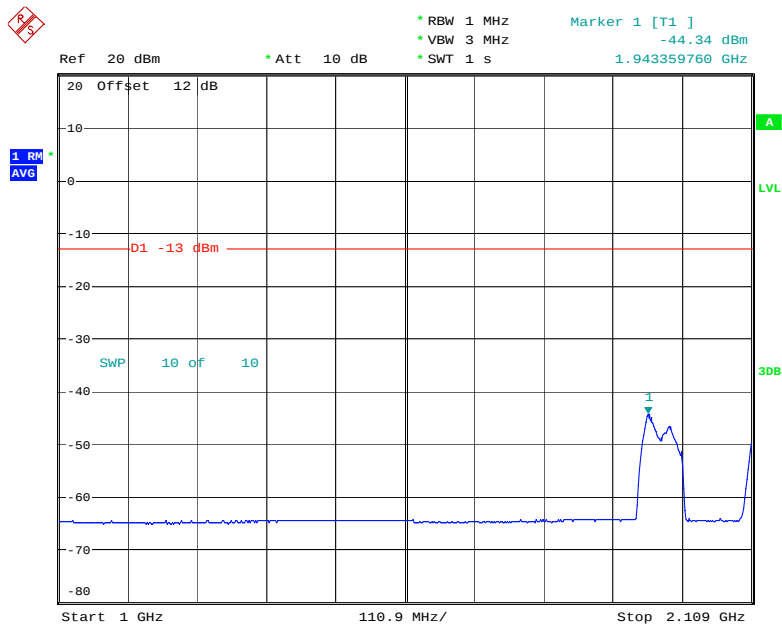


Date: 14.JAN.2023 13:38:02

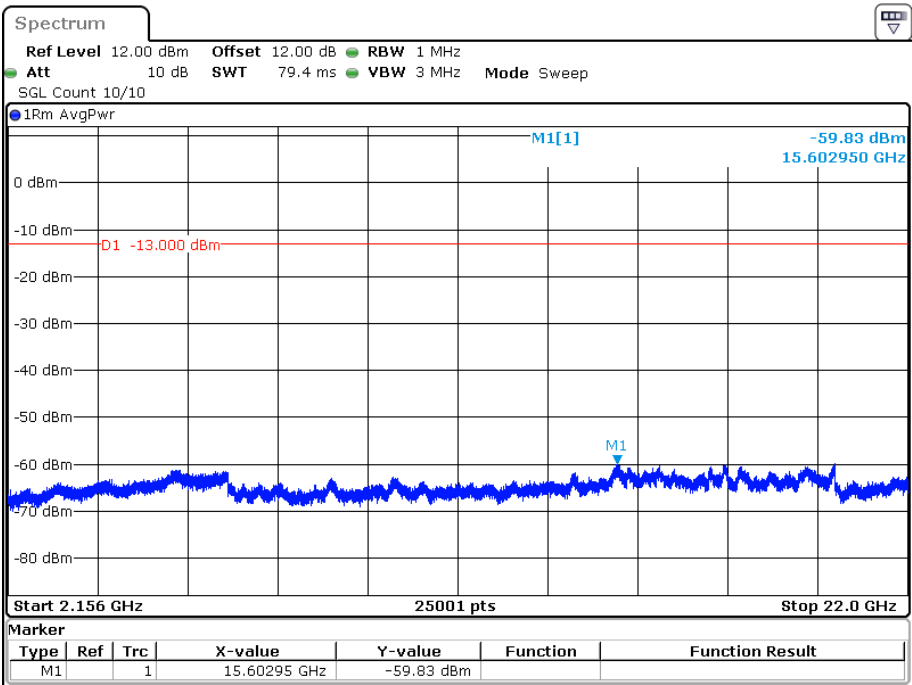
AWS- AWGN-Pre AGC-Low Channel



Date: 14. JAN. 2023 13:44:59

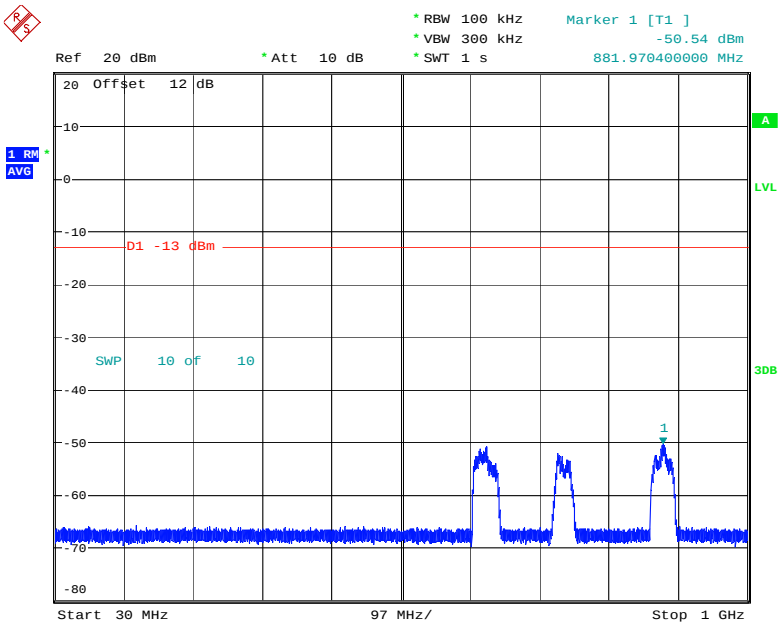


Date: 14. JAN. 2023 13:44:38

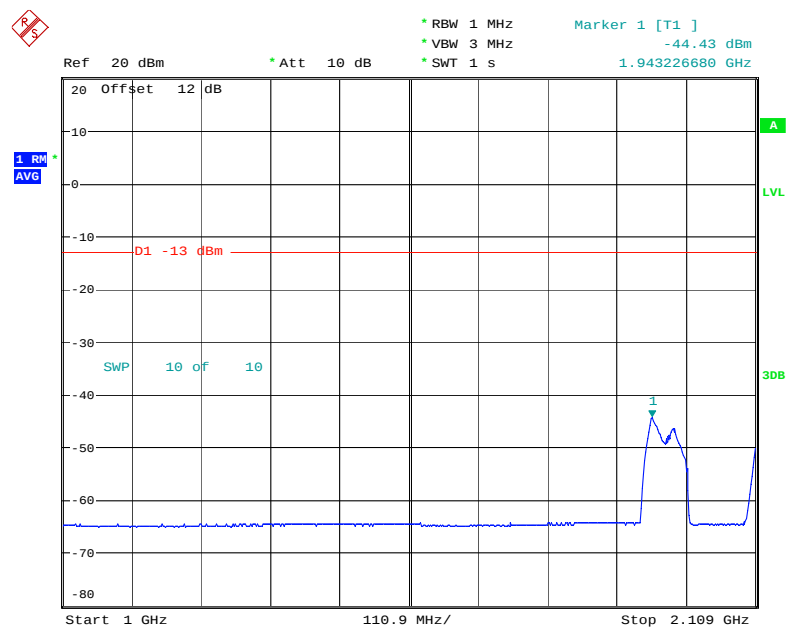


Date: 1.FEB.2023 13:24:22

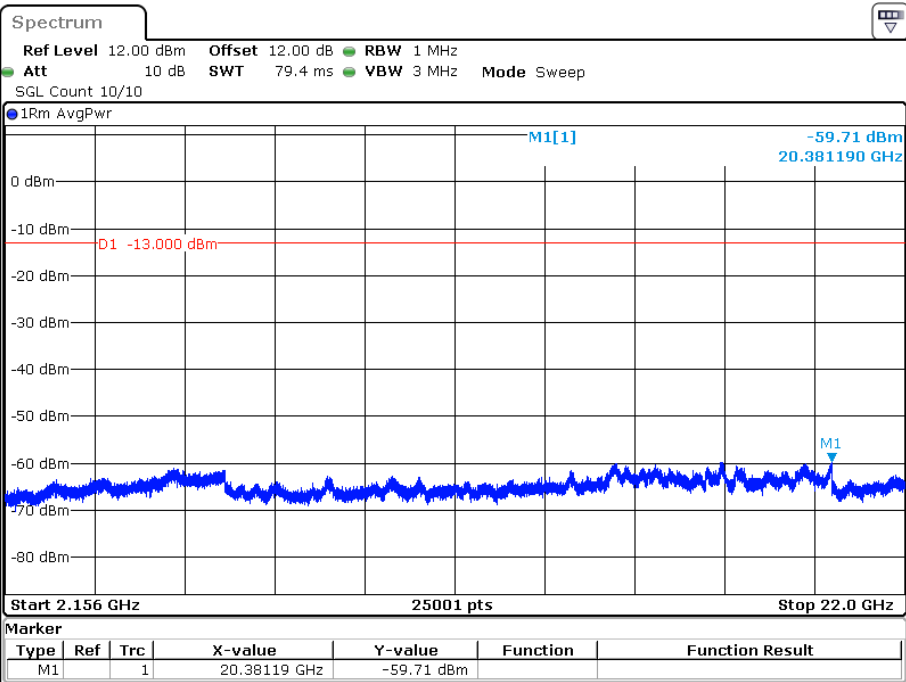
AWS- AWGN-Pre AGC-Middle Channel



Date: 14.JAN.2023 13:50:33

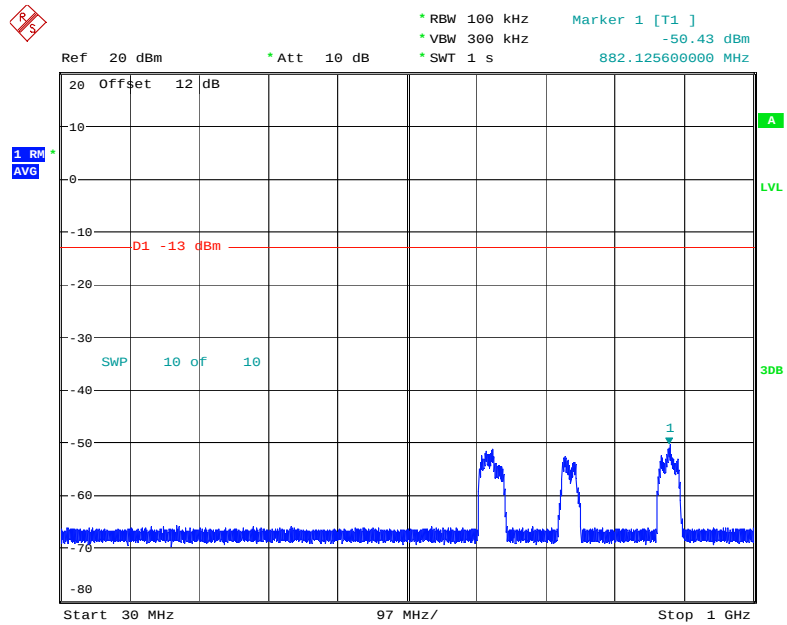


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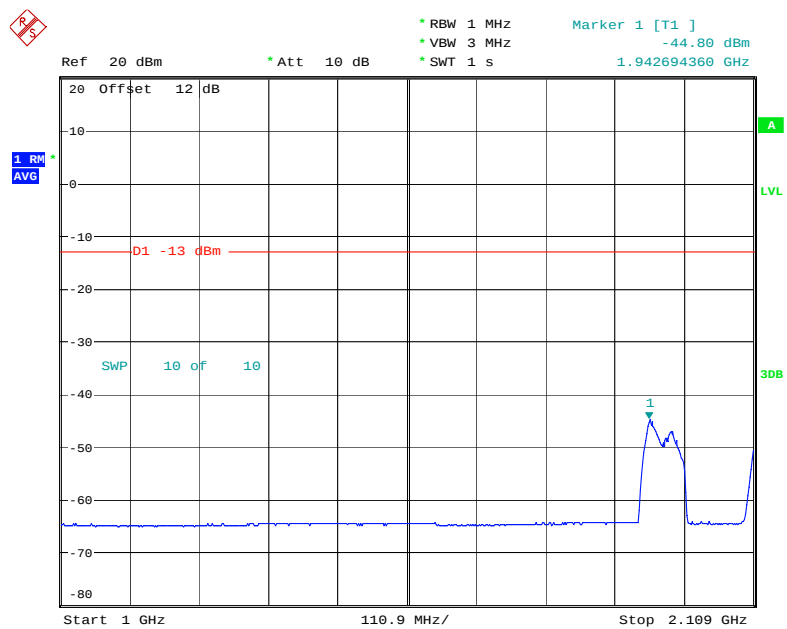


Date: 1.FEB.2023 13:24:32

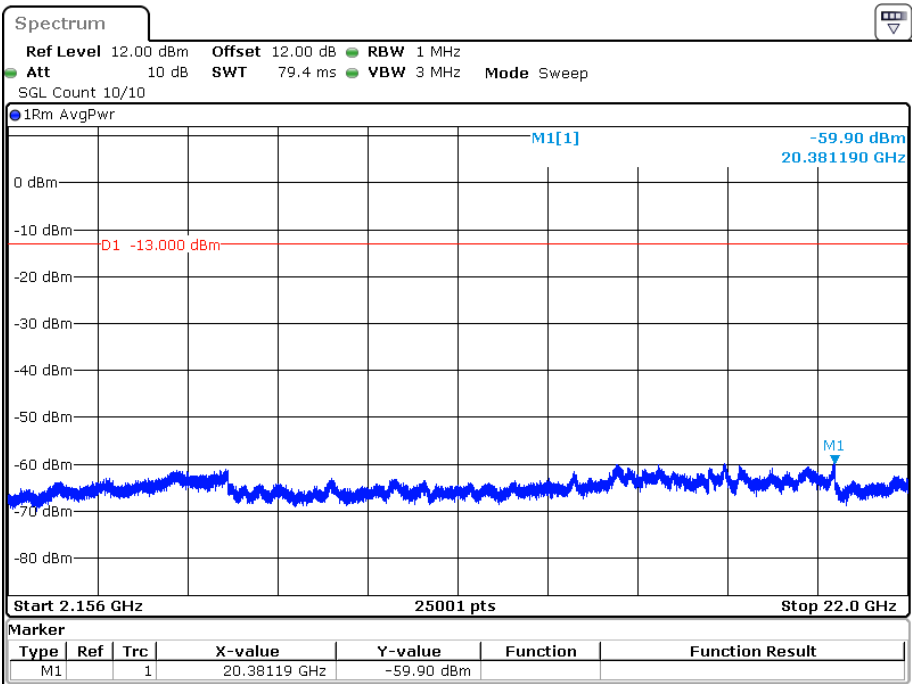
AWS- AWGN-Pre AGC-High Channel



Date: 14.JAN.2023 13:56:48

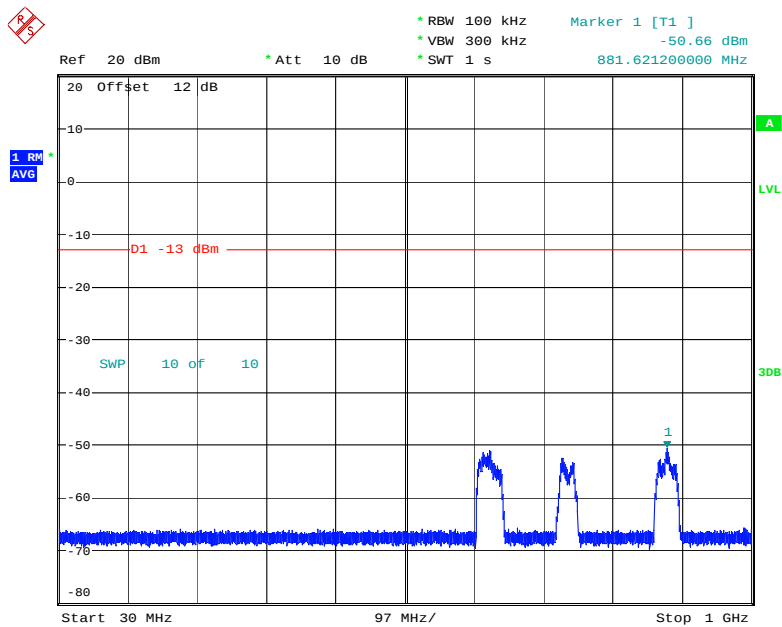


Date: 14.JAN.2023 13:56:28

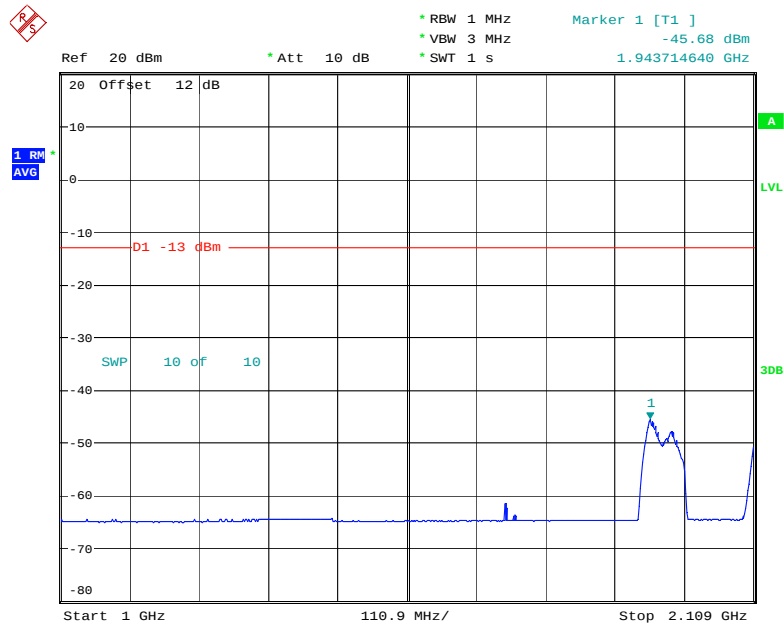


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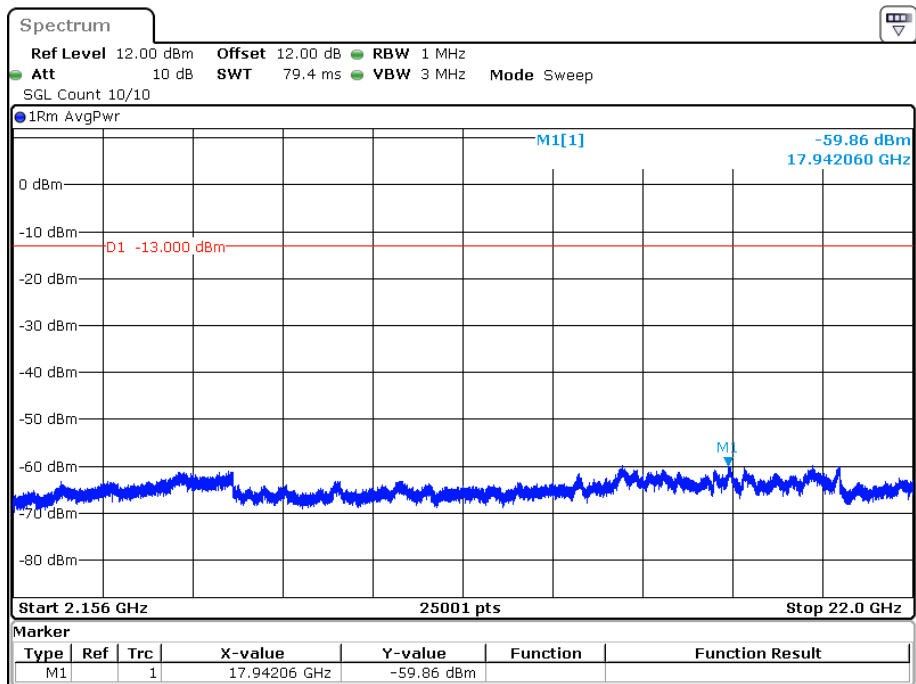
AWS- GSM-Pre AGC-Low Channel



Date: 14.JAN.2023 13:26:51

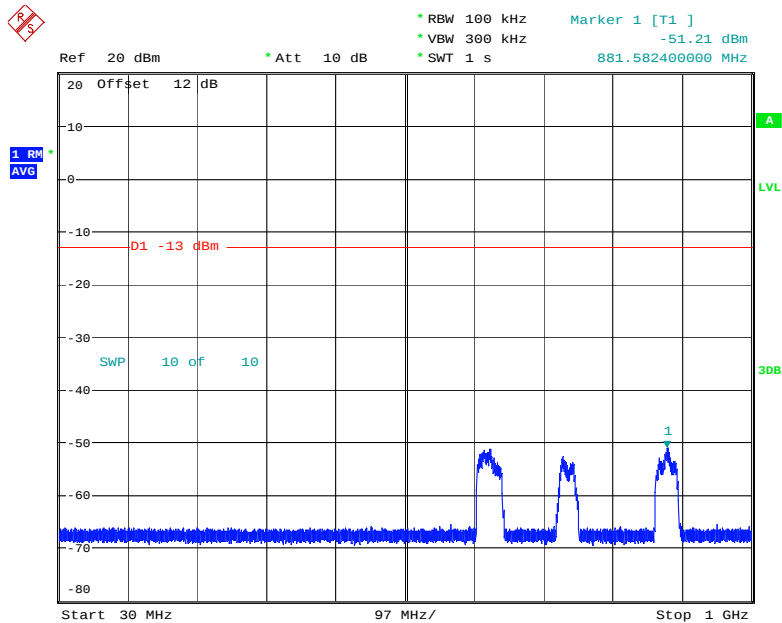


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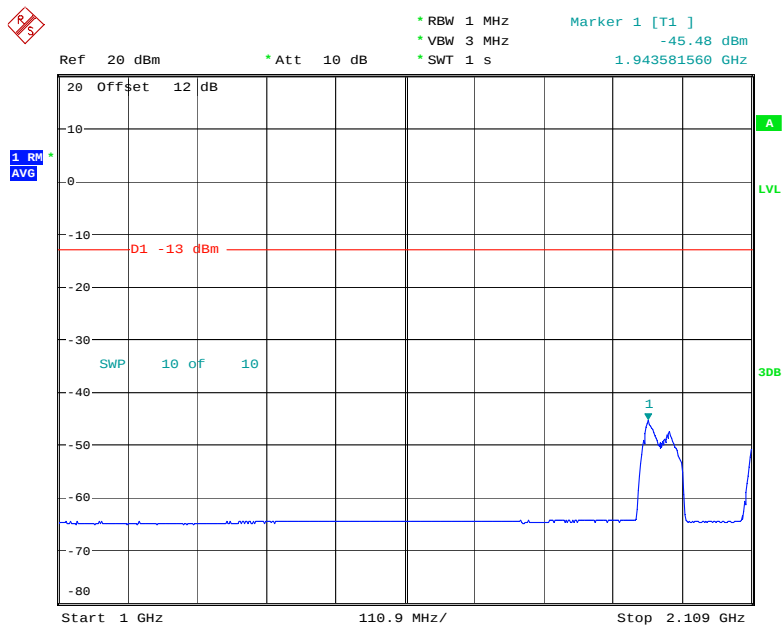


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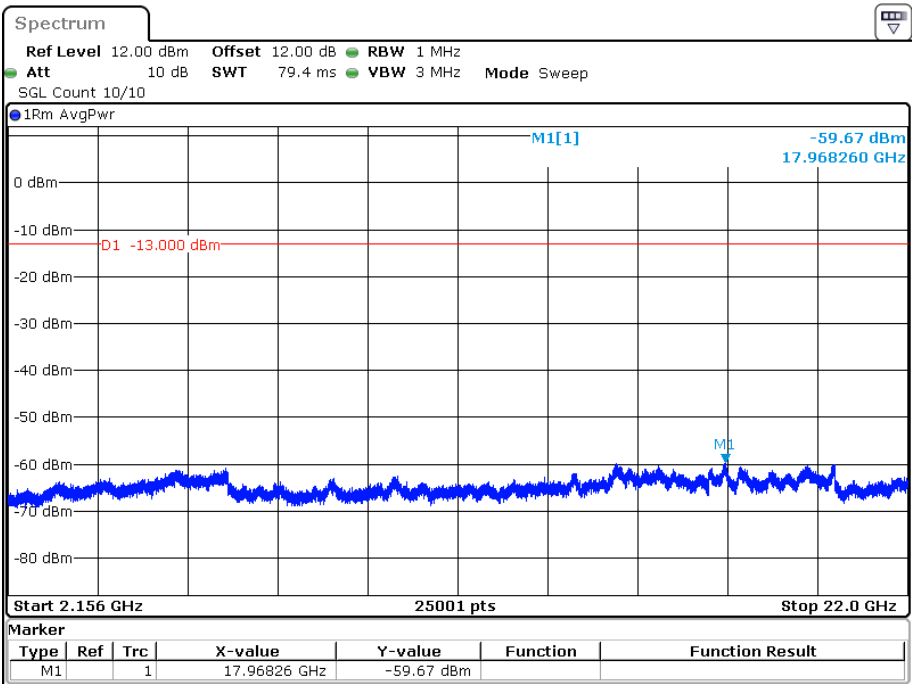
AWS- GSM-Pre AGC-Middle Channel



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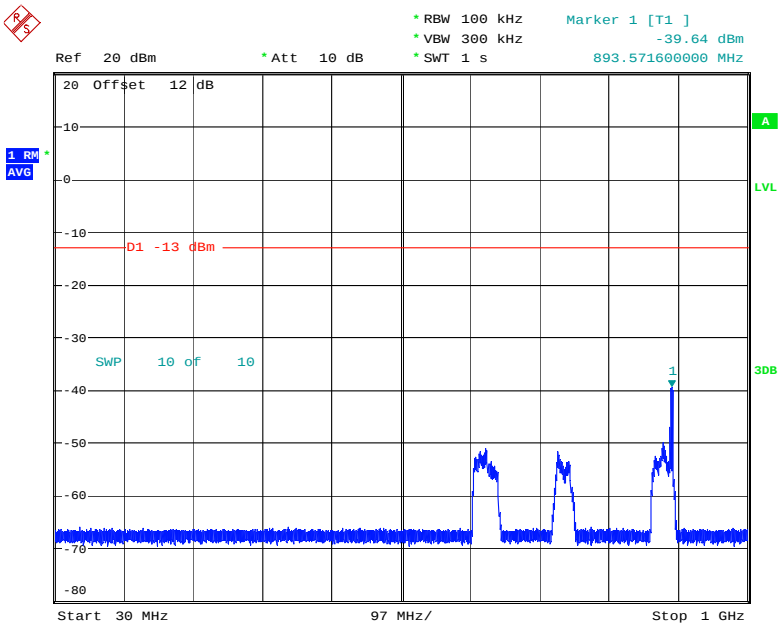


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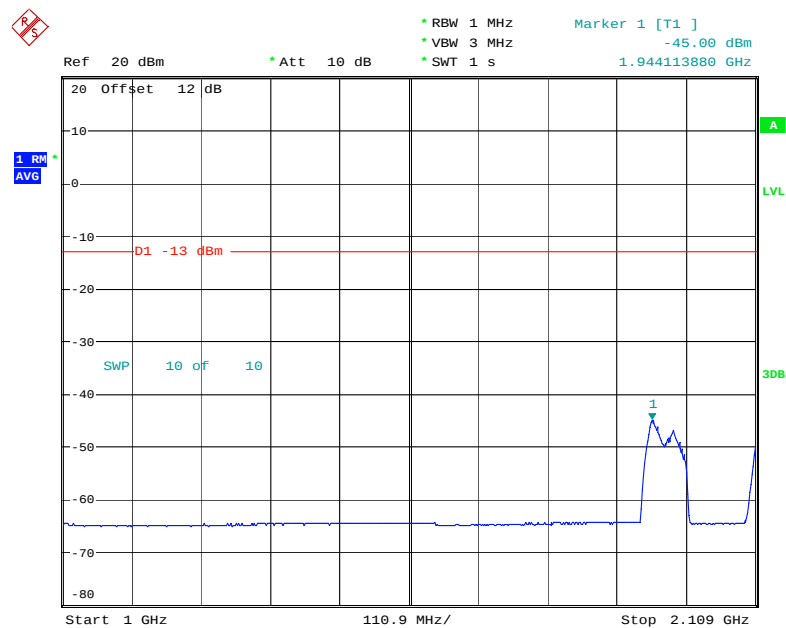


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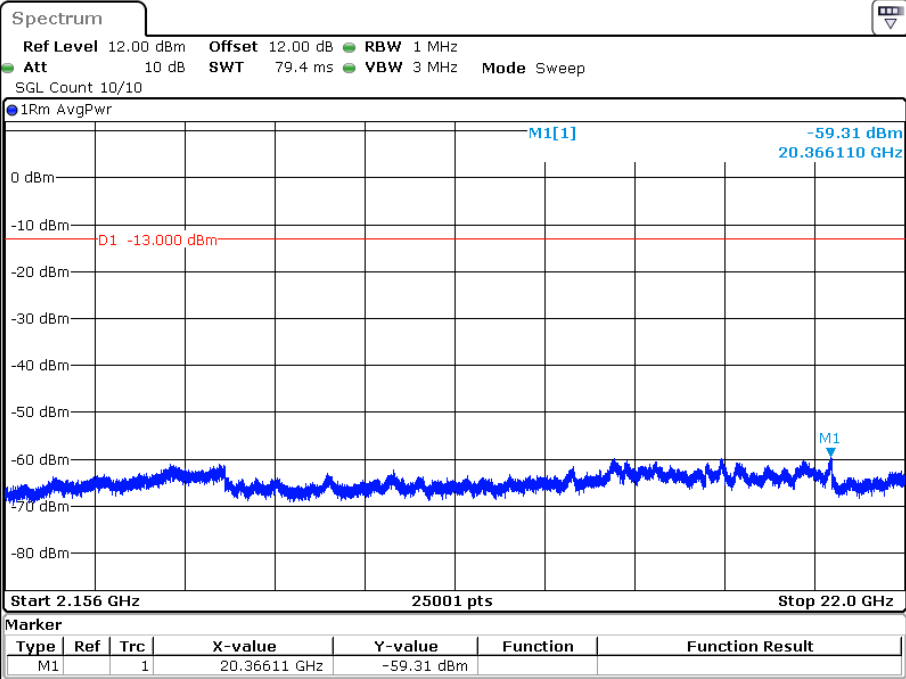
AWS- GSM-Pre AGC-High Channel



Date: 14.JAN.2023 13:38:41



Date: 14.JAN.2023 13:38:22

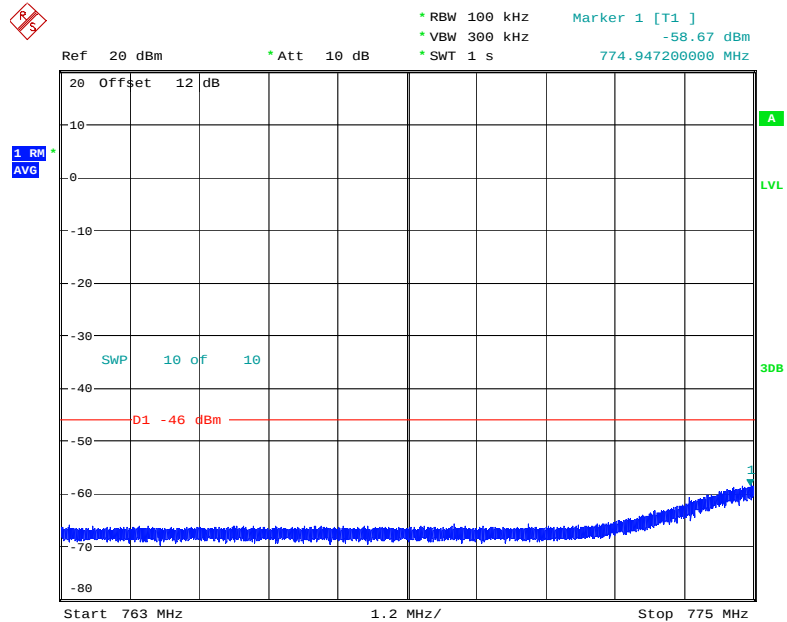


Date: 1.FEB.2023 11:38:51

Uplink:

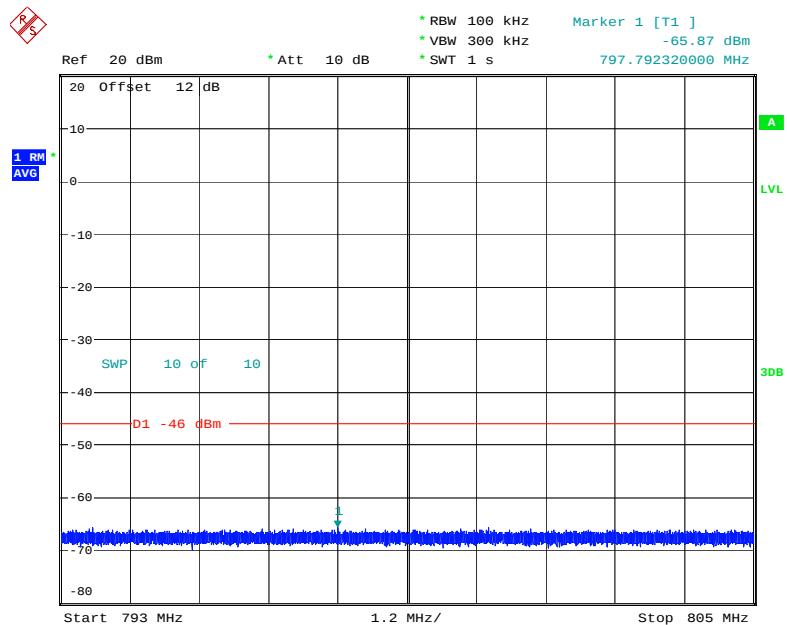
Additional requirement for upper 700MHz band

763 MHz~775 MHz



Date: 14.JAN.2023 16:30:17

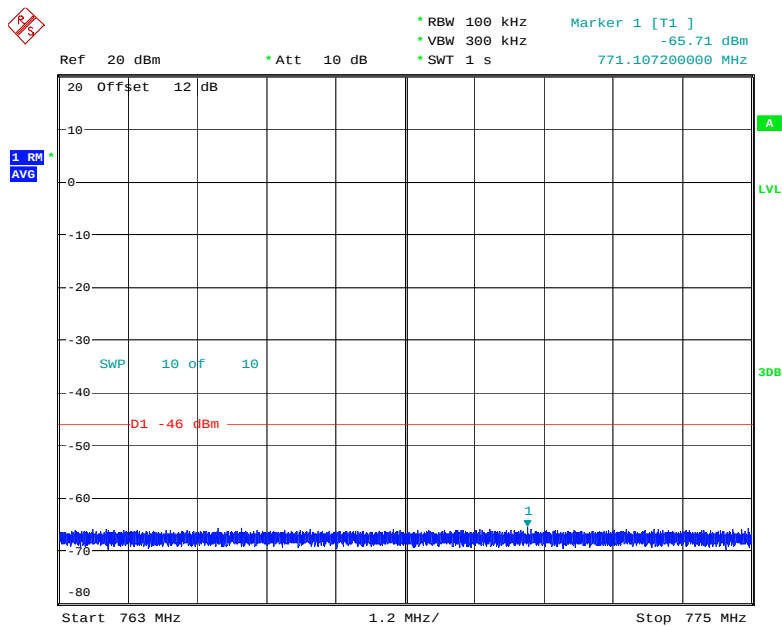
793 MHz~805 MHz



Date: 14.JAN.2023 16:30:37

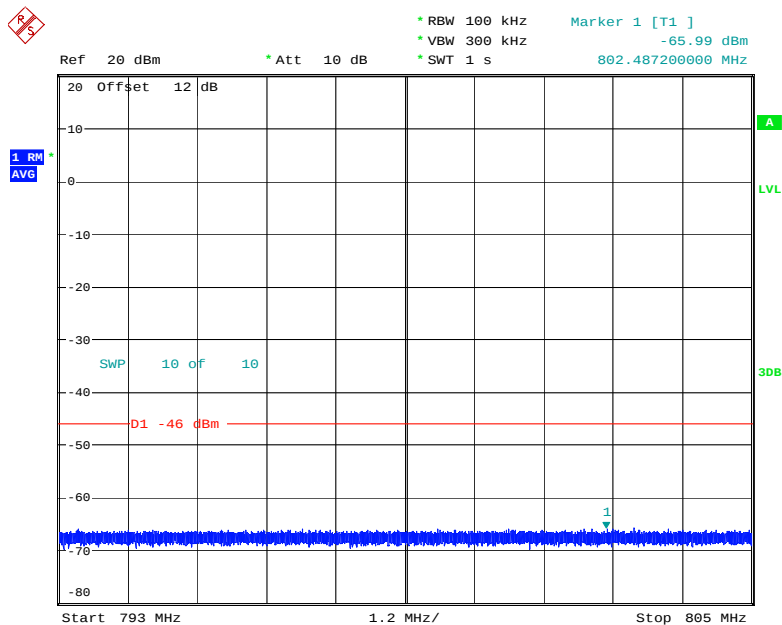
Downlink:

763 MHz~775 MHz



Date: 17.JAN.2023 13:53:03

793 MHz~805 MHz



Date: 17.JAN.2023 13:53:22

FCC §2.1053, §22.917 & §24.238 & §27.53 - SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917, § 24.238 and & §27.53.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg(\text{TXpwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \log_{10}(\text{power out in Watts})$

Test Data

Environmental Conditions

Temperature:	23.9~25°C
Relative Humidity:	54~58%
ATM Pressure:	101.0 kPa

The testing was performed by Jeff Jiang from 2022-12-28 to 2022-12-29.

EUT operation mode: Transmitting

Note: pre-scan low, middle, high channel, the worst case is middle channel as below.

Uplink

Frequency (MHz)	Receiver Reading (dBm)	Turntable Degree	Rx Antenna		Substituted Factor (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)				
600MHz Band								
955.67	-77.57	87	1.0	H	10.0	-67.57	-13	-54.57
955.67	-81.12	237	1.2	V	11.7	-69.42	-13	-56.42
1361	-63.1	293	1.8	H	6.3	-56.8	-13	-43.8
1361	-63.2	106	1.2	V	5.7	-57.5	-13	-44.5
2041.5	-52.5	170	1.8	H	4.8	-47.7	-13	-34.7
2041.5	-51.7	147	1.4	V	3.8	-47.9	-13	-34.9
Lower 700MHz (A+B+C Block) Band								
951.06	-77.08	16	2.1	H	10.0	-67.08	-13	-54.08
951.06	-82.32	317	1.1	V	11.7	-70.62	-13	-57.62
1414	-62.2	5	2.1	H	5.7	-56.5	-13	-43.5
1414	-61.8	44	1.7	V	5.4	-56.4	-13	-43.4
2121	-54.7	31	1.3	H	6.6	-48.1	-13	-35.1
2121	-53.9	58	1.0	V	5.8	-48.1	-13	-35.1
Upper 700MHz (C Block) Band								
956.68	-78.62	28	2.4	H	10.0	-68.62	-13	-55.62
956.68	-83.66	220	1.0	V	11.7	-71.96	-13	-58.96
1563	-59.6	35	1.3	H	4.2	-55.4	-40	-15.4
1563	-58.1	255	2.4	V	3.3	-54.8	-40	-14.8
2344.5	-57.3	158	2.3	H	7.3	-50.0	-13	-37
2344.5	-56.7	149	1.3	V	6.4	-50.3	-13	-37.3
Cellular Band								
950.16	-79.00	134	2.3	H	10.0	-69.00	-13	-56
950.16	-81.56	281	1.2	V	11.7	-69.86	-13	-56.86
1673	-57.2	192	1.1	H	3.8	-53.4	-13	-40.4
1673	-55.5	294	1.7	V	3.1	-52.4	-13	-39.4
2509.5	-56.1	100	1.6	H	6.2	-49.9	-13	-36.9
2509.5	-54.4	105	1.9	V	5.6	-48.8	-13	-35.8

Frequency (MHz)	Receiver Reading (dBm)	Turntable Degree	Rx Antenna		Substituted Factor (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)				
PCS Band								
954.69	-78.07	24	2.3	H	10.0	-68.07	-13	-55.07
954.69	-82.16	20	2.5	V	11.7	-70.46	-13	-57.46
3765	-55.2	325	2.3	H	8.8	-46.4	-13	-33.4
3765	-54.2	274	1.4	V	8	-46.2	-13	-33.2
5647.5	-54.0	30	2.3	H	10.2	-43.8	-13	-30.8
5647.5	-53.0	17	2.4	V	9.5	-43.5	-13	-30.5
AWS Band								
956.83	-76.38	318	2.2	H	10.0	-66.38	-13	-53.38
956.83	-83.46	12	1.1	V	11.7	-71.76	-13	-58.76
3490	-51.4	214	1.3	H	7.6	-43.8	-13	-30.8
3490	-51.4	2	2.2	V	6.4	-45.0	-13	-32
5235	-54.3	13	1.5	H	9.7	-44.6	-13	-31.6
5235	-52.8	314	1.1	V	9.2	-43.6	-13	-30.6

Downlink

Frequency (MHz)	Receiver Reading (dBm)	Turntable Degree	Rx Antenna		Substituted Factor (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)				
600MHz Band								
953.76	-78.84	87	1.6	H	10.0	-68.84	-13	-55.84
953.76	-82.45	40	2.0	V	11.7	-70.75	-13	-57.75
1269	-62.8	81	1.5	H	6	-56.8	-13	-43.8
1269	-61.0	113	2.3	V	5	-56.0	-13	-43
1903.5	-54.2	57	1.9	H	3.8	-50.4	-13	-37.4
1903.5	-53.1	37	2.1	V	3	-50.1	-13	-37.1
Lower 700MHz (A+B+C Block) Band								
950.63	-76.44	47	1.7	H	10.0	-66.44	-13	-53.44
950.63	-83.55	2	1.9	V	11.7	-71.85	-13	-58.85
1474	-61.3	248	1.9	H	5.1	-56.2	-13	-43.2
1474	-61.1	328	1.7	V	4.2	-56.9	-13	-43.9
2211	-56.9	243	1.1	H	7.9	-49.0	-13	-36
2211	-56.8	64	1.3	V	6.9	-49.9	-13	-36.9
Upper 700MHz (C Block) Band								
954.86	-77.02	39	1.9	H	10.0	-67.02	-13	-54.02
954.86	-80.91	279	2.1	V	11.7	-69.21	-13	-56.21
1503	-61.9	170	2.2	H	5	-56.9	-13	-43.9
1503	-61.2	34	1.1	V	4.3	-56.9	-13	-43.9
2254.5	-58.8	310	1.1	H	7.9	-50.9	-13	-37.9
2254.5	-56.8	279	2.1	V	6.7	-50.1	-13	-37.1
Upper 700MHz (C Block) Band								
951.58	-76.58	99	1.9	H	10.0	-66.58	-13	-53.58
951.58	-81.76	112	2.0	V	11.7	-70.06	-13	-57.06
1763	-56.9	314	2.4	H	4.4	-52.5	-13	-39.5
1763	-55.0	135	1.2	V	3.2	-51.8	-13	-38.8
2644.5	-56.4	97	1.2	H	6.4	-50.0	-13	-37
2644.5	-54.8	78	1.3	V	5.6	-49.2	-13	-36.2

Frequency (MHz)	Receiver Reading (dBm)	Turntable Degree	Rx Antenna		Substituted Factor (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)				
PCS Band								
950.76	-78.16	24	2.0	H	10.0	-68.16	-13	-55.16
950.76	-83.20	289	1.0	V	11.7	-71.50	-13	-58.5
3925	-53.8	332	1.5	H	9.1	-44.7	-13	-31.7
3925	-52.7	19	2.2	V	8.4	-44.3	-13	-31.3
5887.5	-55.2	278	1.7	H	11.1	-44.1	-13	-31.1
5887.5	-53.9	74	1.1	V	10.5	-43.4	-13	-30.4
AWS Band								
956.60	-76.48	279	2.1	H	10.0	-66.48	-13	-53.48
956.60	-83.09	222	2.4	V	11.7	-71.39	-13	-58.39
4290	-52.3	142	1.5	H	9.7	-42.6	-13	-29.6
4290	-51.3	59	2.4	V	9	-42.3	-13	-29.3
6435	-58.9	208	1.3	H	13.1	-45.8	-13	-32.8
6435	-57.6	282	2.3	V	12.5	-45.1	-13	-32.1

Note:

Absolute Level = Reading Level + Substituted Factor

Substituted Factor contains: SG Level - Cable loss+ Antenna Gain

Margin = Absolute Level - Limit

CC §2.1053, §22.917 & §24.238 & §27.53 - BAND EDGES & INTERMODULATION

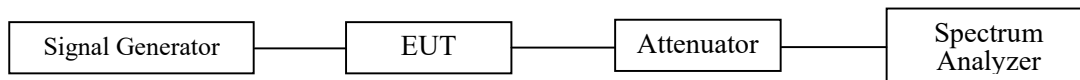
Applicable Standard

FCC §2.1053, §22.917, §24.238 and §27.53.

The power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Test Procedure

Please refer to KDB 935210 D05 Indus Booster Basic Meas v01r04 clause 3.6.2



Test Data

Environmental Conditions

Temperature:	23~25°C
Relative Humidity:	50~52 %
ATM Pressure:	101.0 kPa

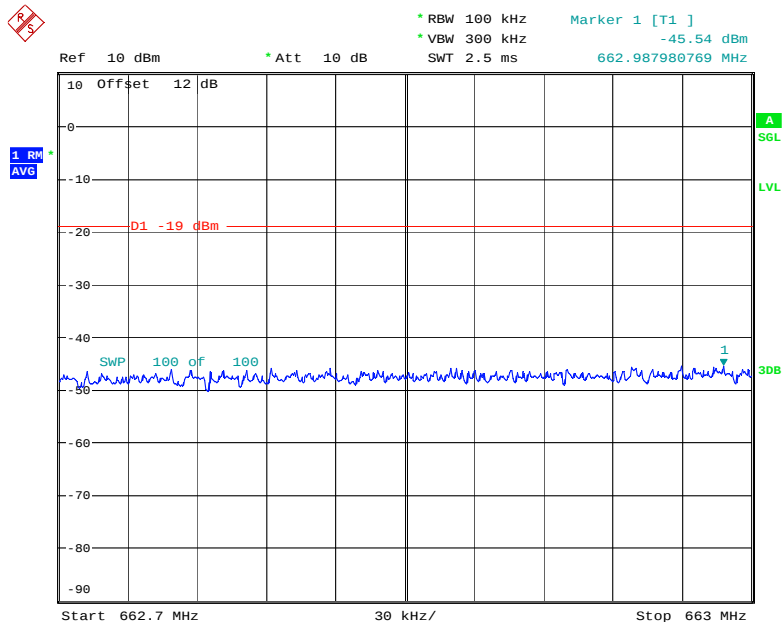
The testing was performed by Glenn.Jiang on 2022-12-01 to 2023-02-01.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to the following plots.

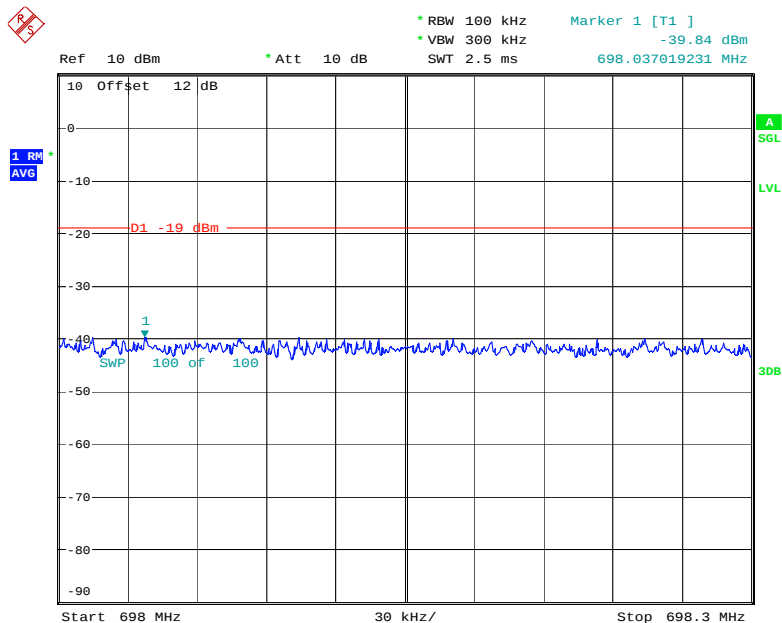
One Signal:
Uplink:

600MHz Band Left Band Edge for AWGN-Pre AGC

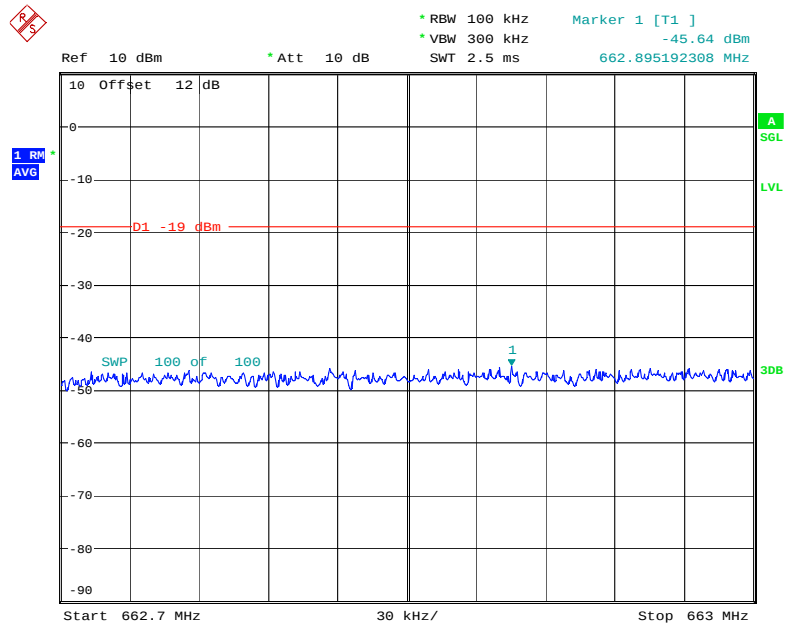


Date: 14.JAN.2023 15:20:47

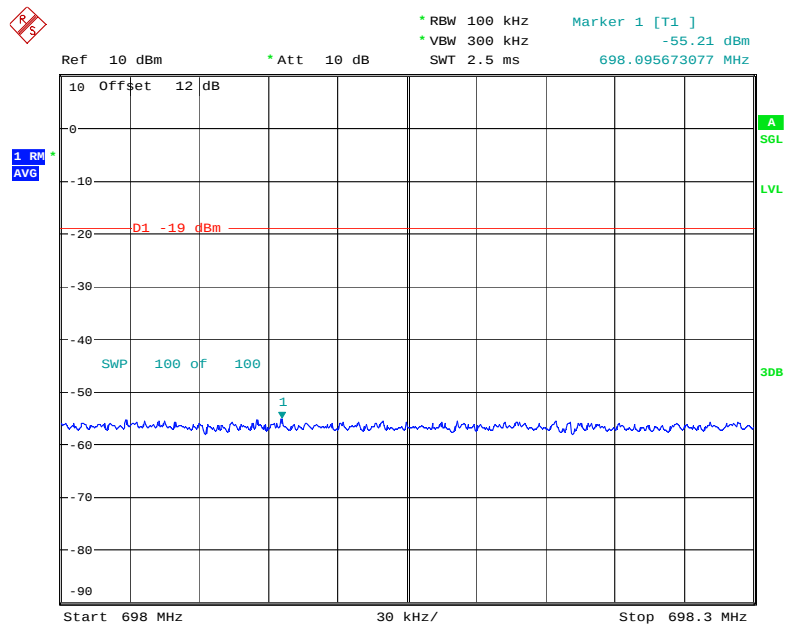
600MHz Band, Right Band Edge for AWGN-Pre AGC



Date: 14.JAN.2023 15:21:06

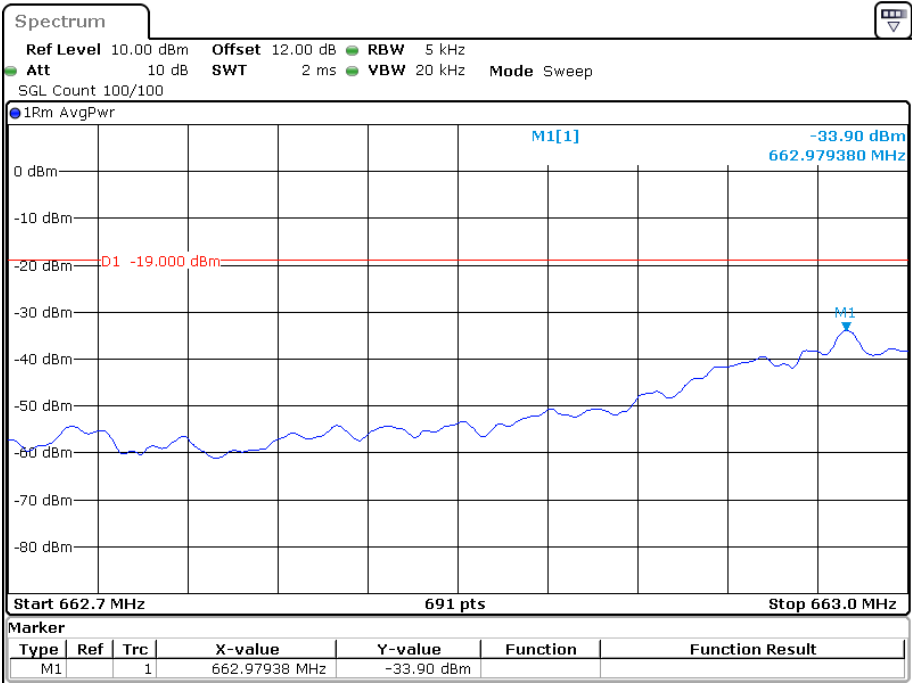
600MHz Band, Left Band Edge for AWGN-3dB Above AGC

Date: 14.JAN.2023 15:20:56

600MHz Band, Right Band Edge for AWGN-3dB Above AGC

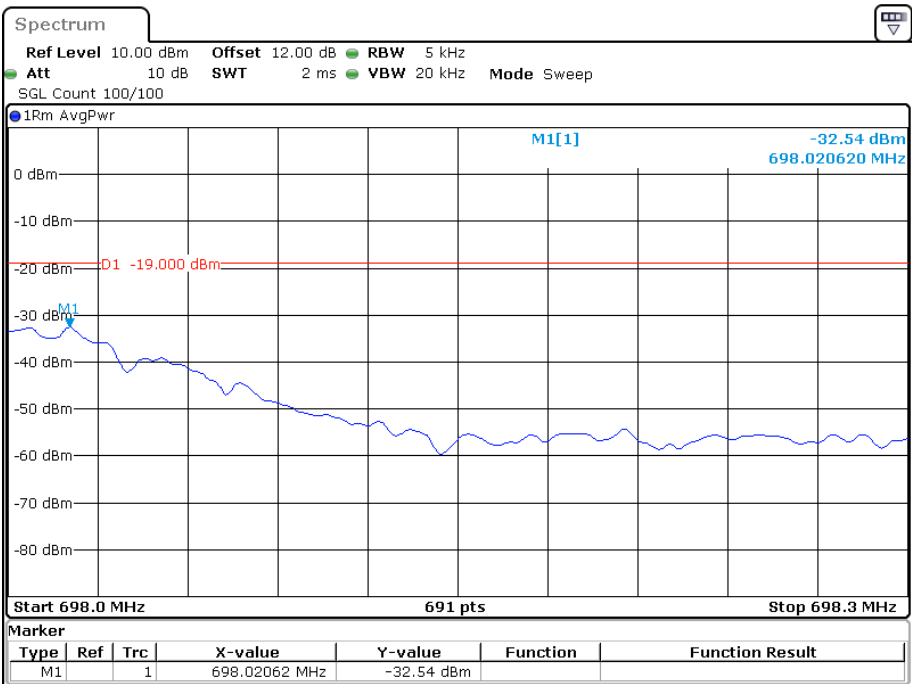
Date: 14.JAN.2023 15:21:15

600MHz Band Left Band Edge for GSM-Pre AGC

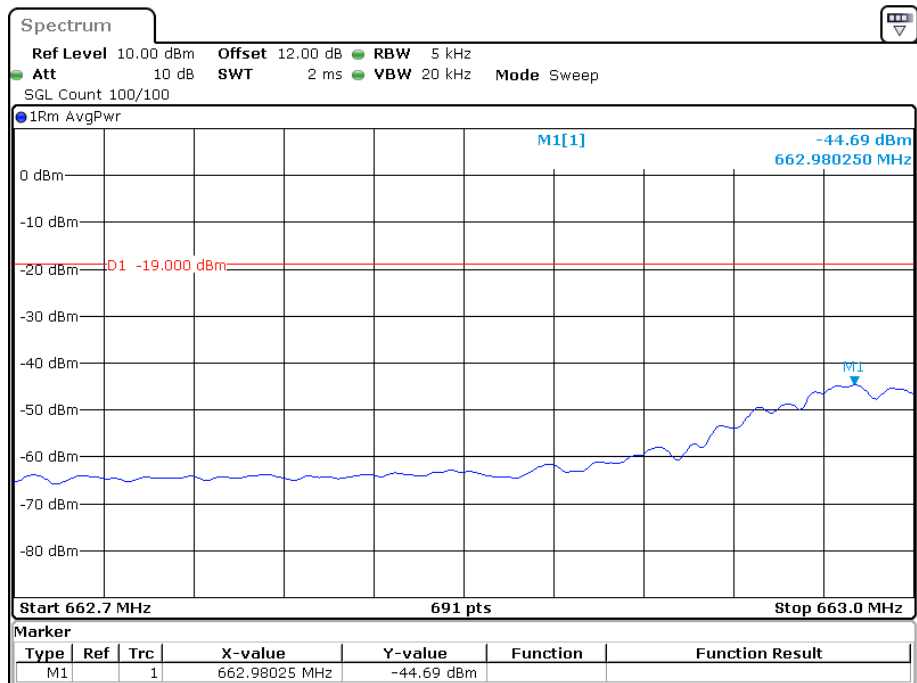


Date: 19.DEC.2022 15:15:56

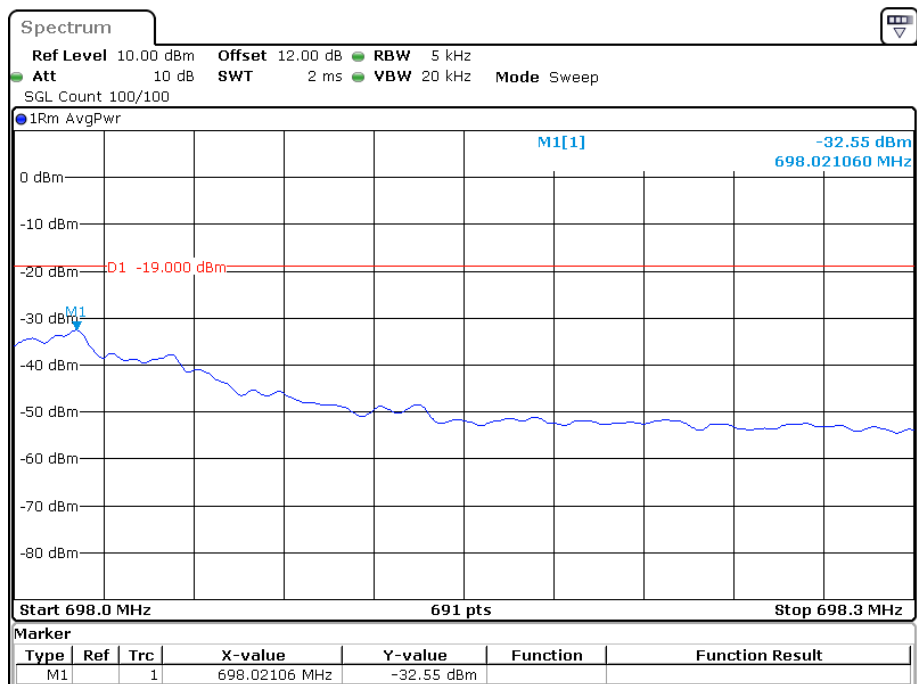
600MHz Band, Right Band Edge for GSM-Pre AGC



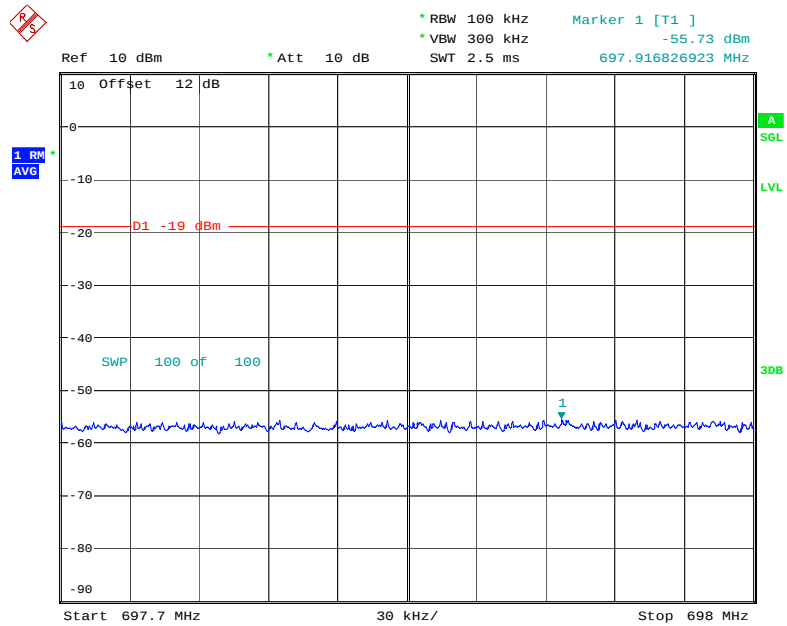
Date: 19.DEC.2022 15:16:11

600MHz Band, Left Band Edge for GSM-3dB Above AGC

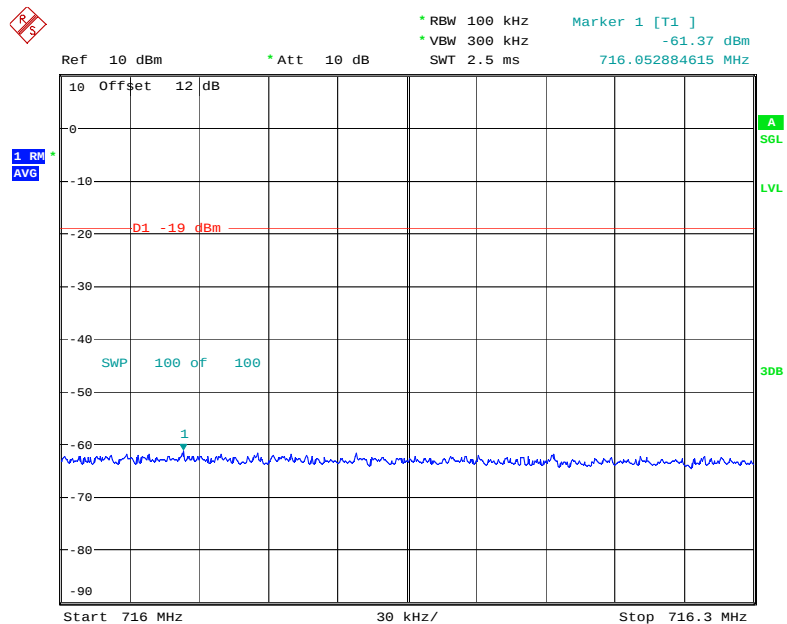
Date: 19.DEC.2022 15:16:04

600MHz Band, Right Band Edge for GSM 3dB Above AGC

Date: 19.DEC.2022 15:16:18

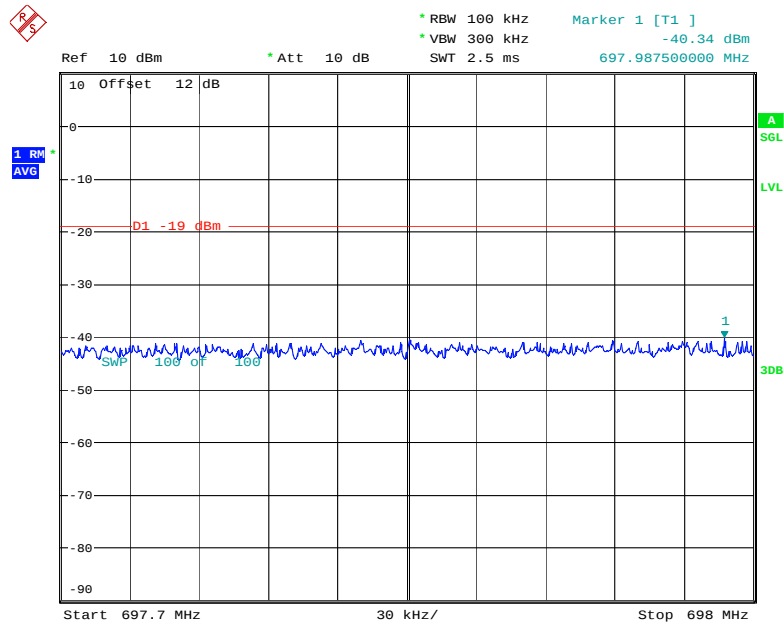
Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC

Date: 14.JAN.2023 15:21:23

Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC

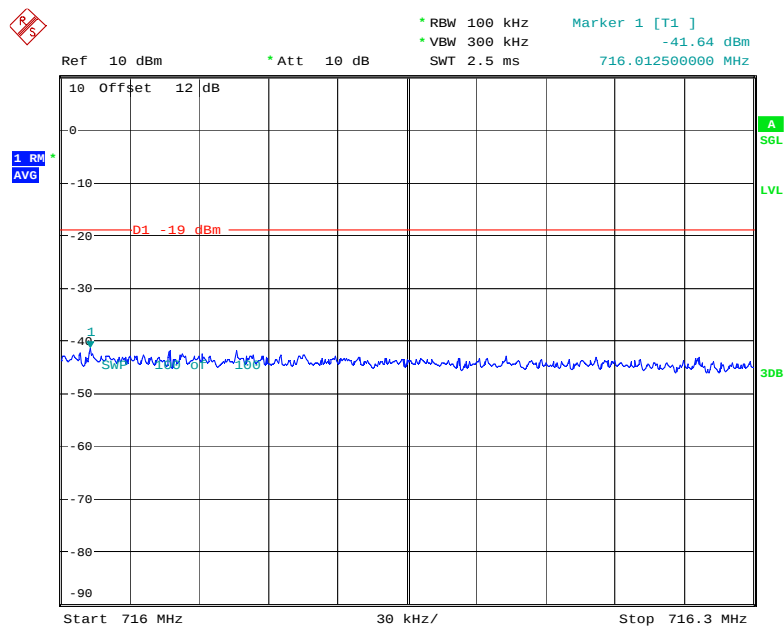
Date: 14.JAN.2023 15:21:42

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-3dB Above AGC



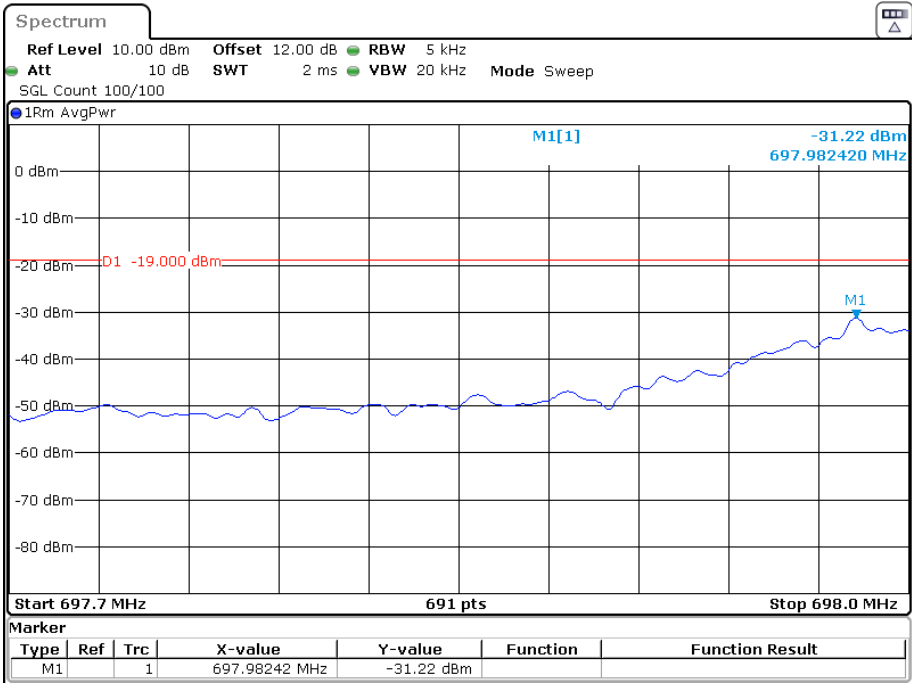
Date: 14. JAN. 2023 15:21:33

Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-3dB Above AGC



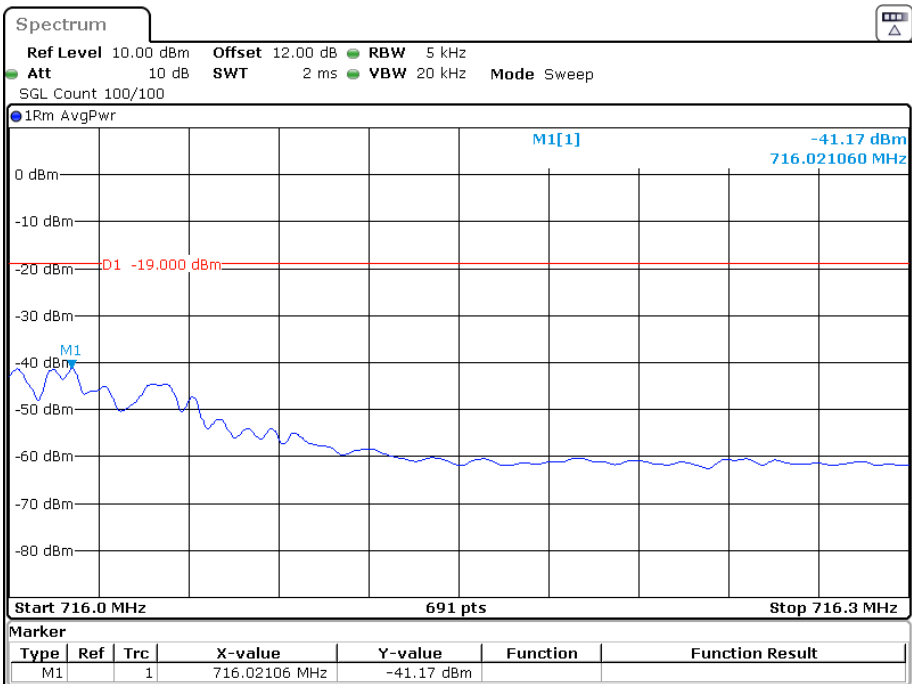
Date: 14. JAN. 2023 15:21:49

Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC



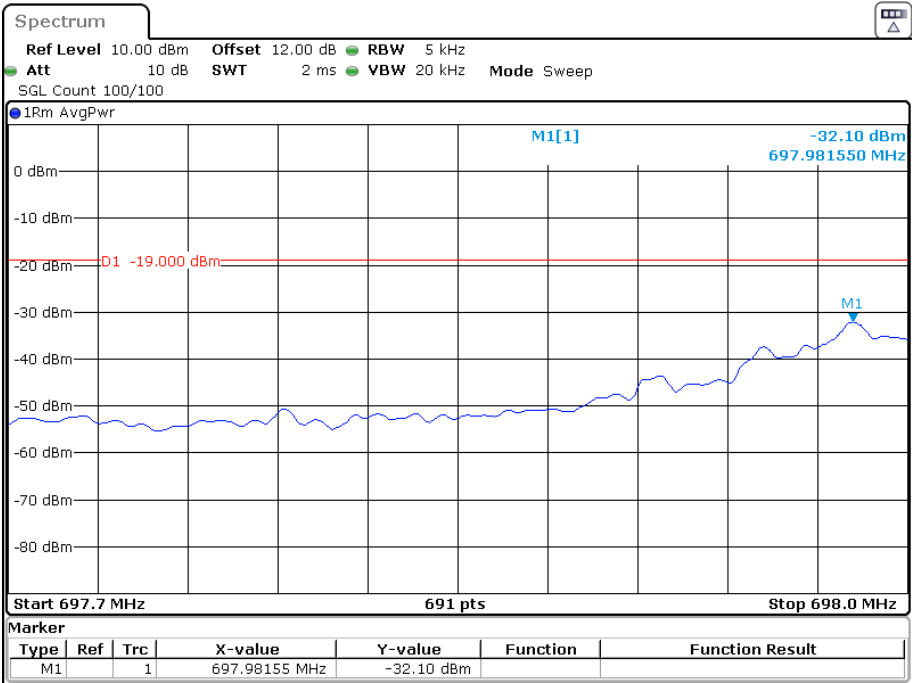
Date: 1.DEC.2022 17:03:13

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC



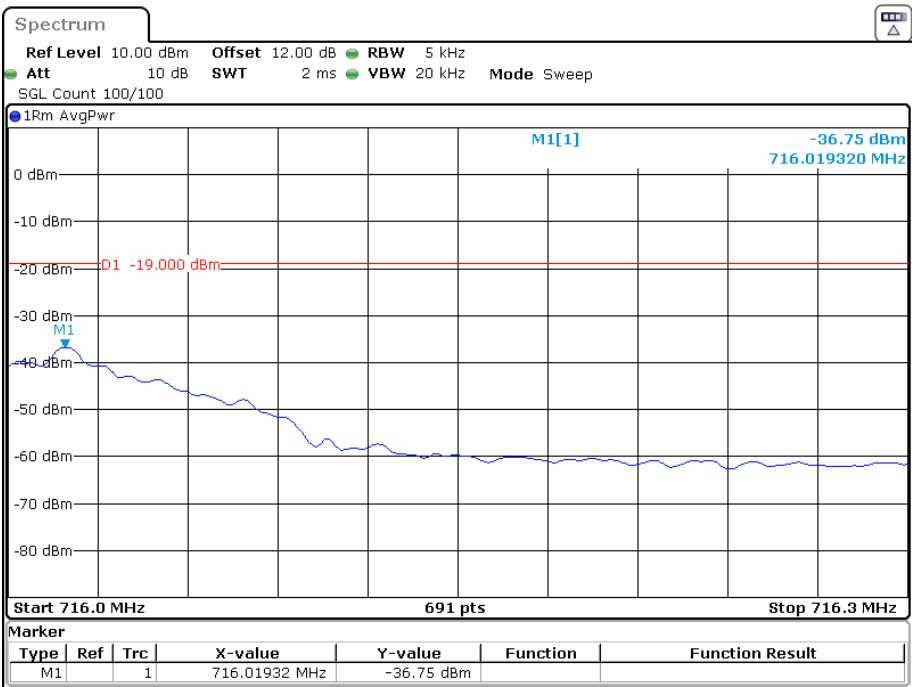
Date: 1.DEC.2022 17:03:53

Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-3dB Above AGC



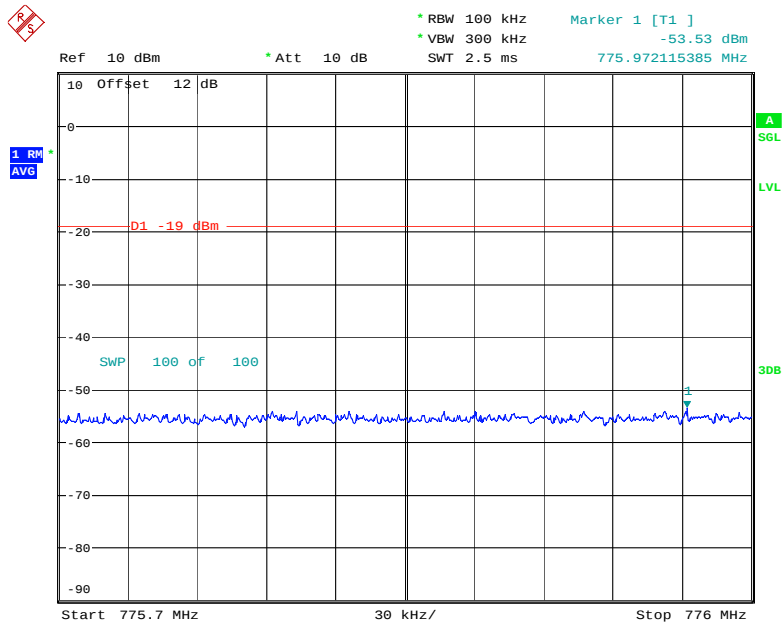
Date: 1.DEC.2022 17:03:27

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-3dB Above AGC



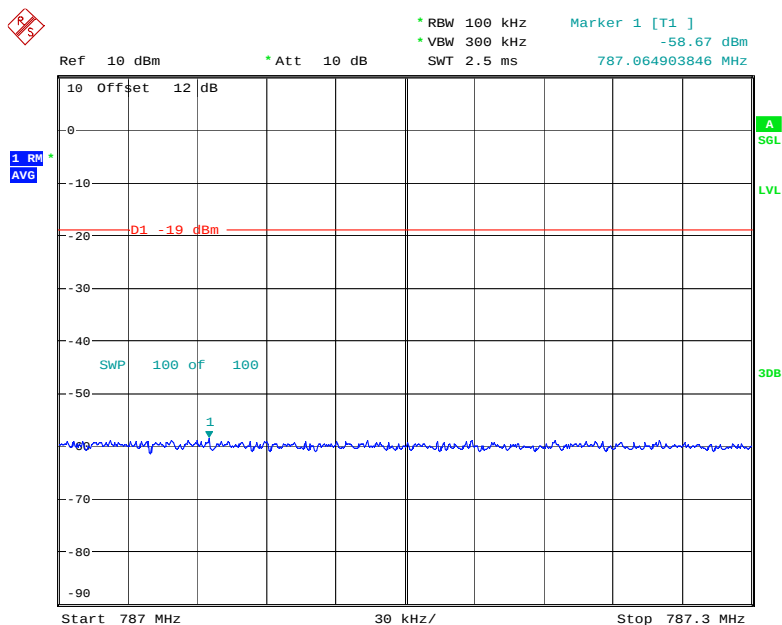
Date: 1.DEC.2022 17:04:03

Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC



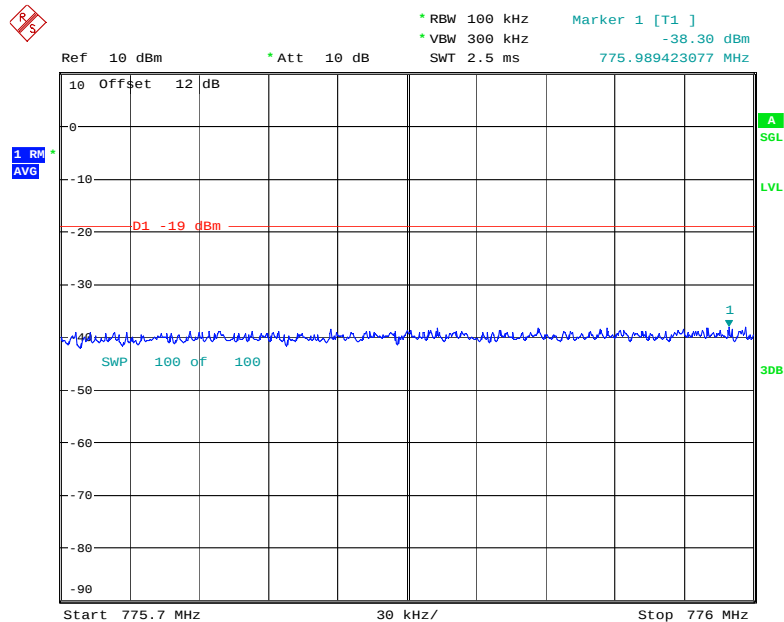
Date: 14.JAN.2023 15:21:58

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC



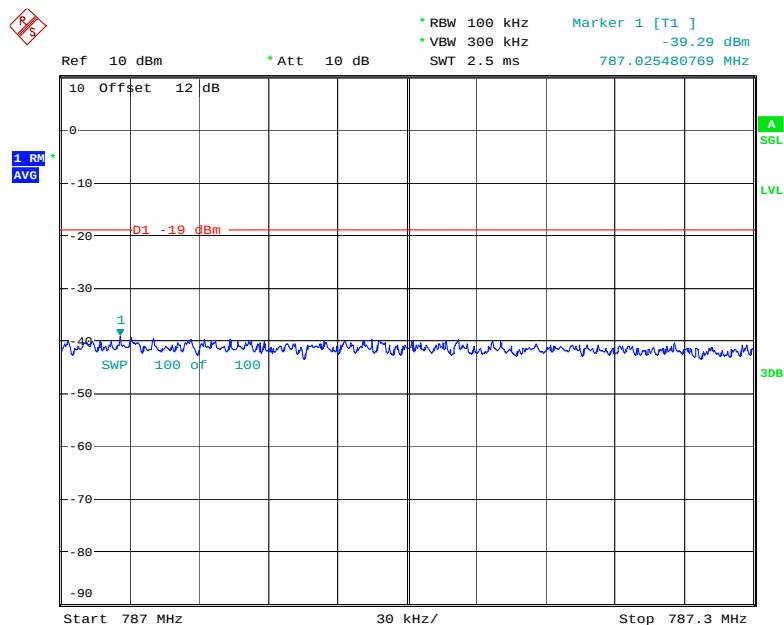
Date: 14.JAN.2023 15:22:17

Upper 700MHz (C Block)Band, Left Band Edge for AWGN-3dB Above AGC



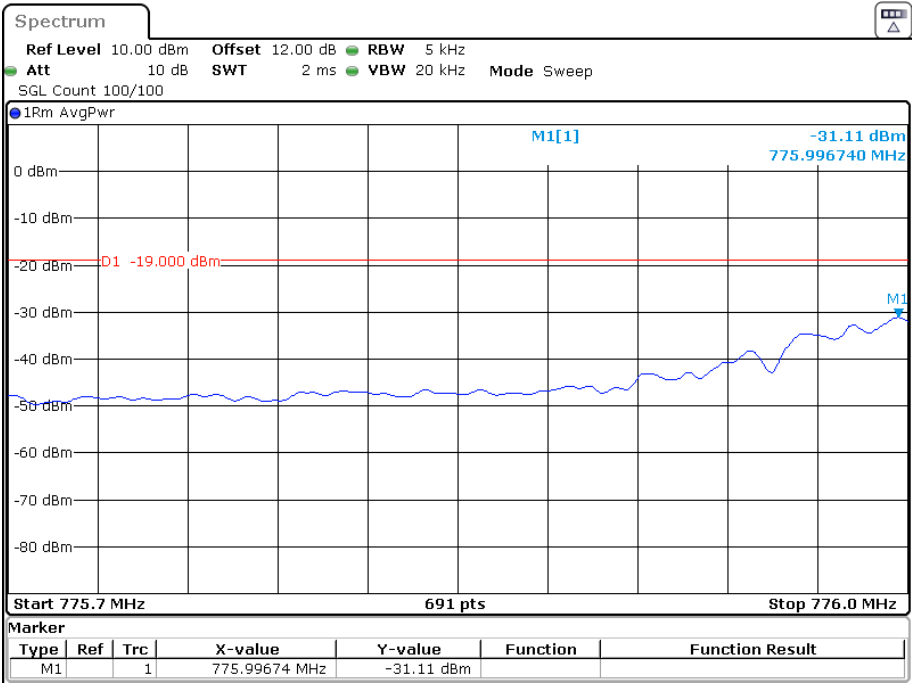
Date: 14. JAN. 2023 15:22:07

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC



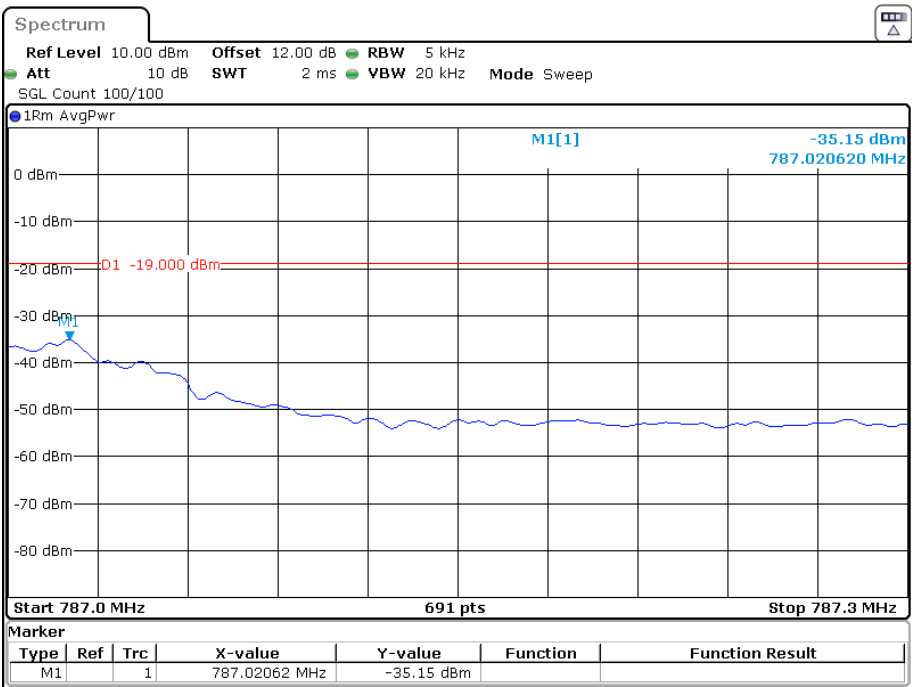
Date: 14. JAN. 2023 15:22:26

Upper 700MHz (C Block) Band, Left Band Edge for GSM-Pre AGC



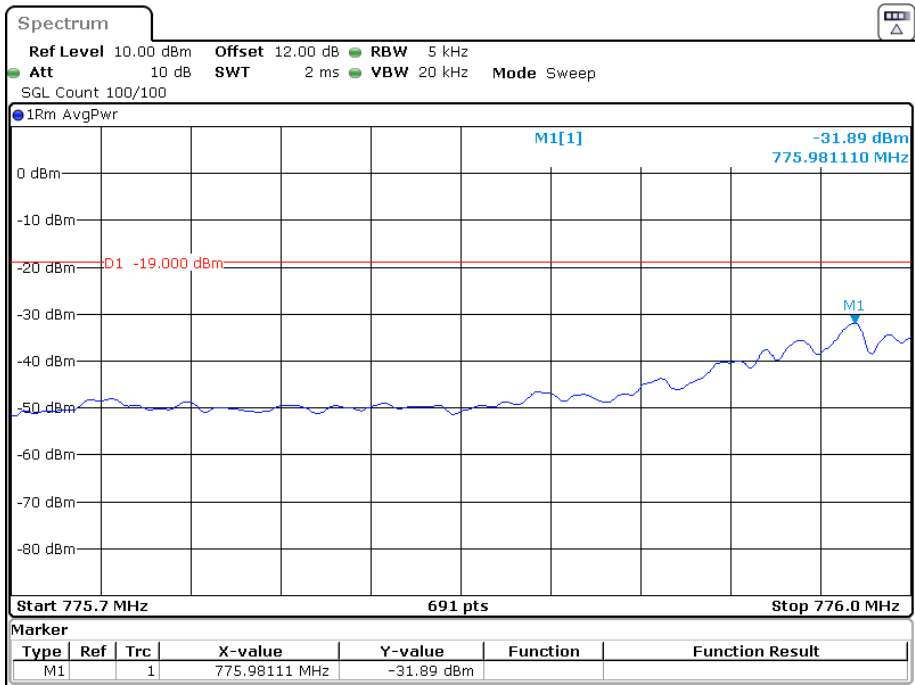
Date: 1.DEC.2022 17:04:28

Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC



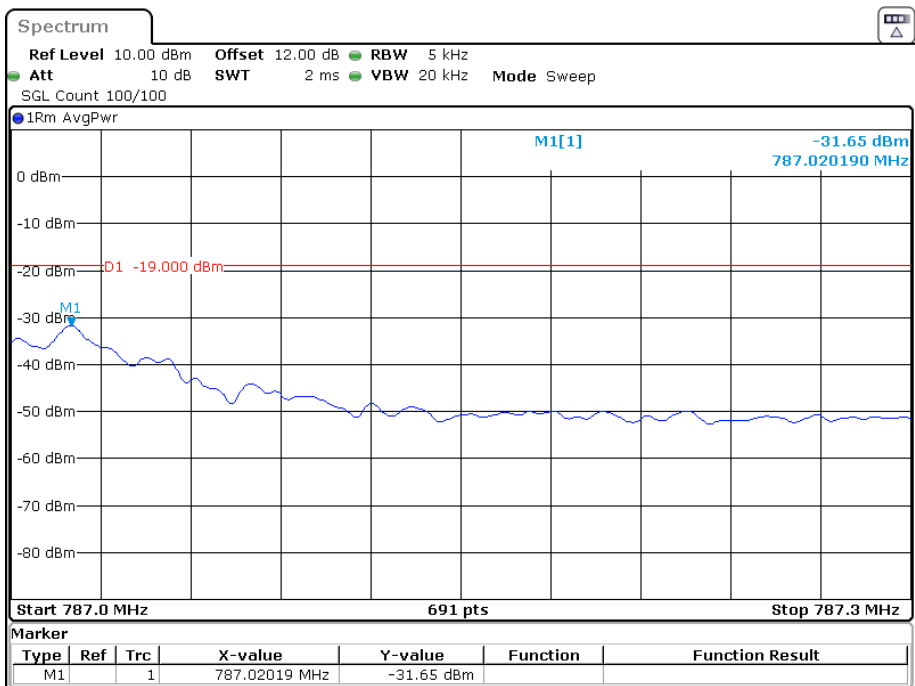
Date: 1.DEC.2022 17:05:13

Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC



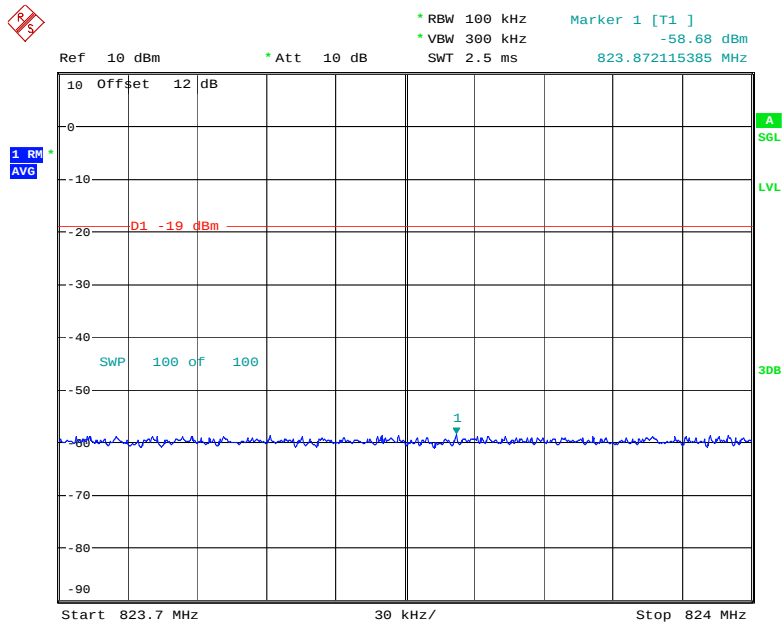
Date: 1.DEC.2022 17:04:43

Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC



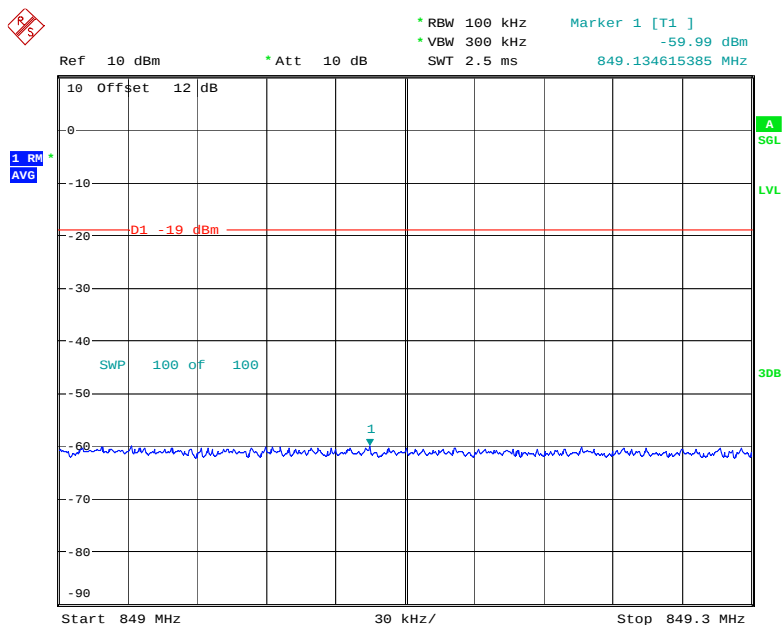
Date: 1.DEC.2022 17:05:23

Cellular Band, Left Band Edge for AWGN-Pre AGC



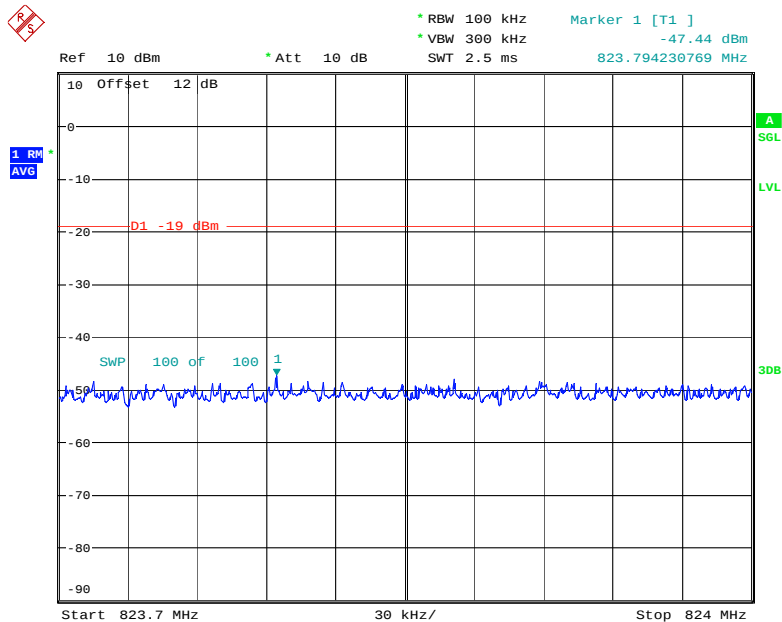
Date: 14.JAN.2023 15:22:33

Cellular Band, Right Band Edge for AWGN-Pre AGC



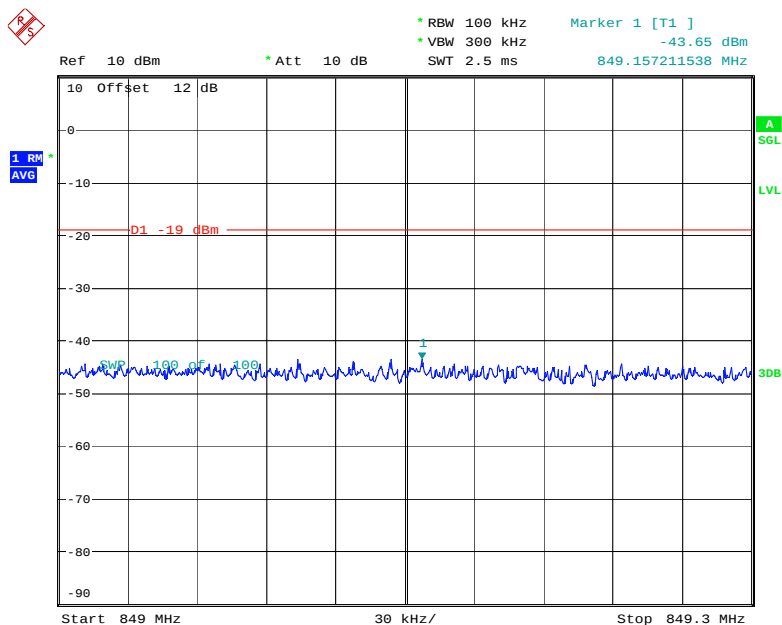
Date: 14.JAN.2023 15:22:51

Cellular Band, Left Band Edge for AWGN-3dB Above AGC



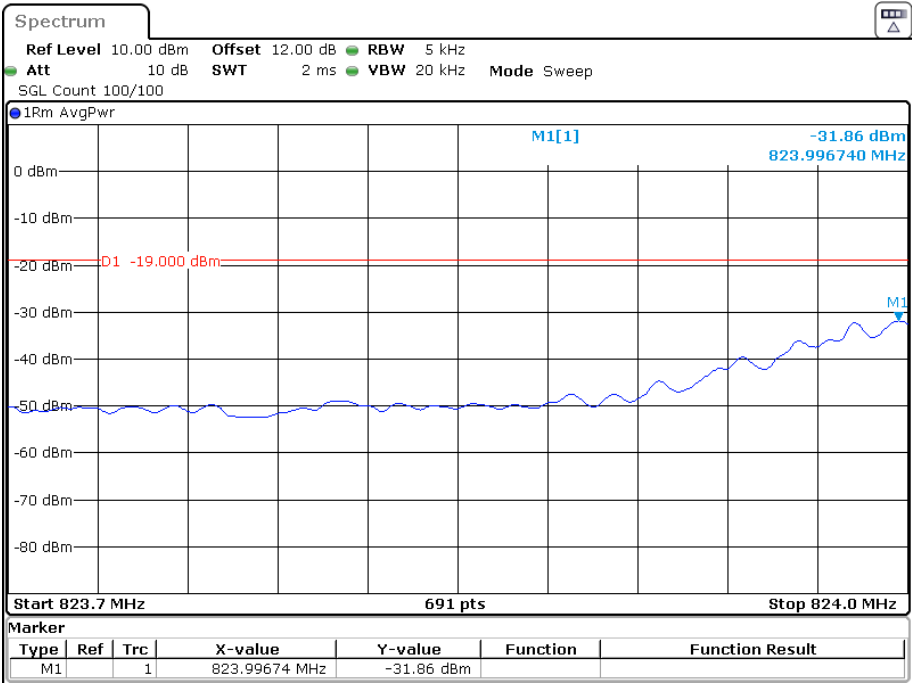
Date: 14.JAN.2023 15:22:42

Cellular Band, Right Band Edge for AWGN-3dB Above AGC



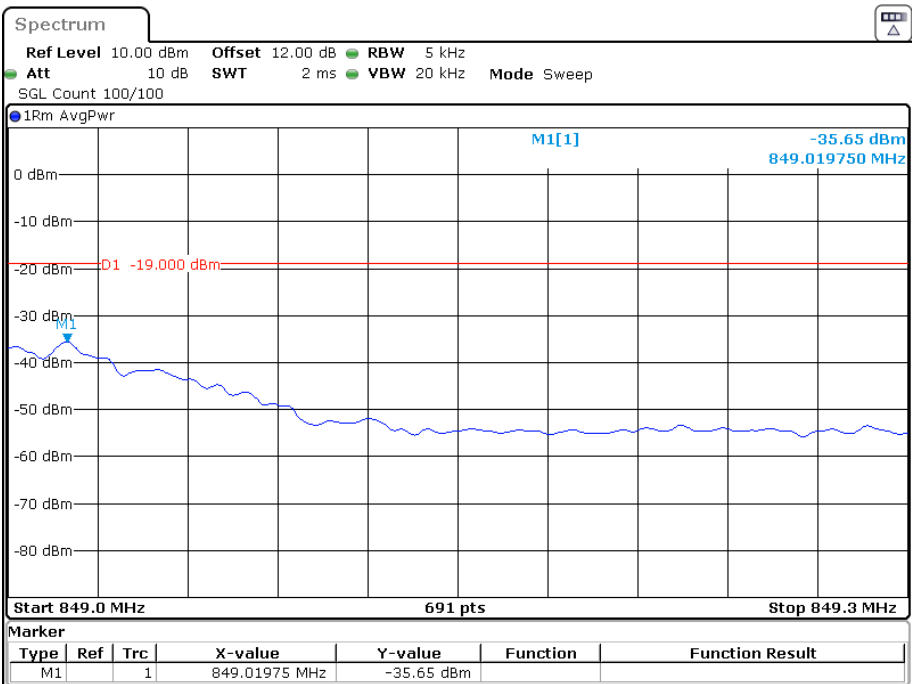
Date: 14.JAN.2023 15:23:01

Cellular Band, Left Band Edge for GSM-Pre AGC



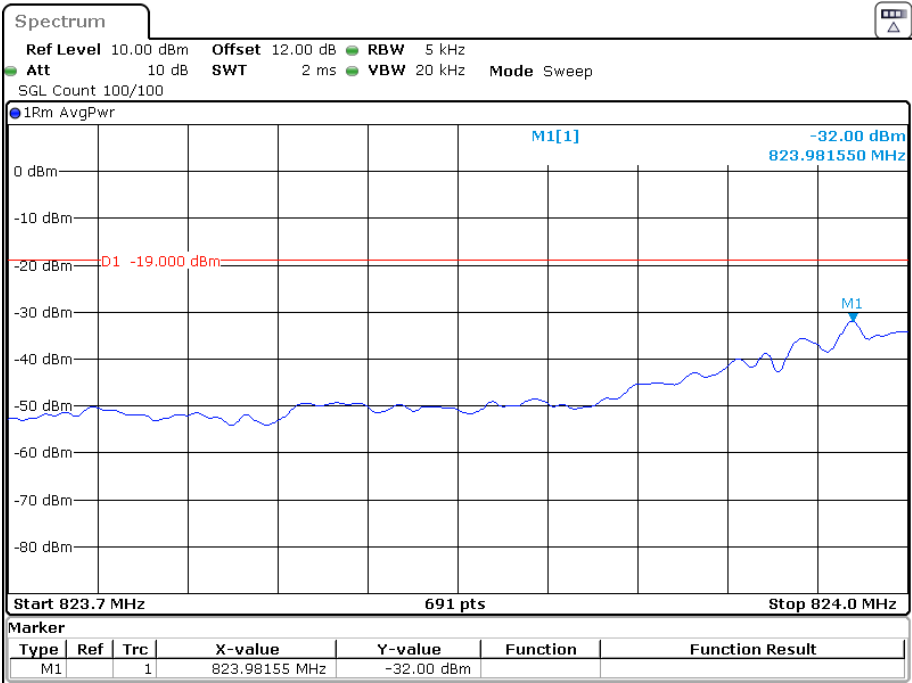
Date: 1.DEC.2022 17:05:57

Cellular Band, Right Band Edge for GSM-Pre AGC



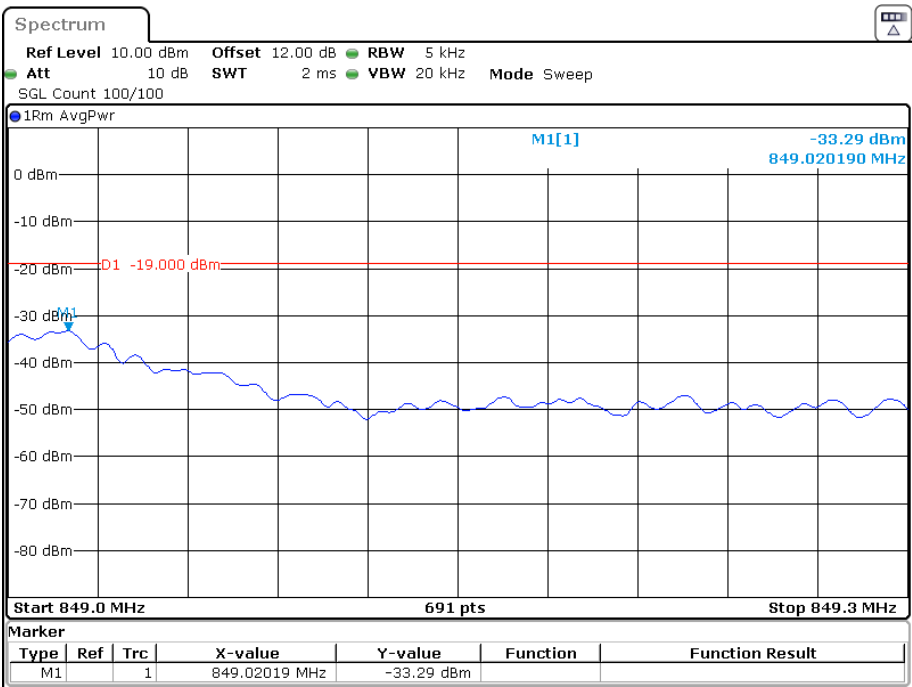
Date: 1.DEC.2022 17:07:06

Cellular Band, Left Band Edge for GSM-3dB Above AGC



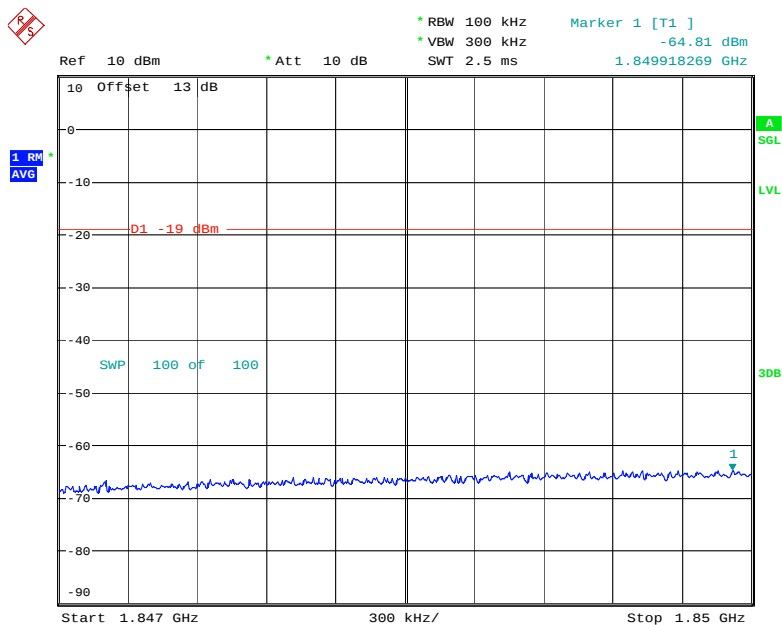
Date: 1.DEC.2022 17:06:09

Cellular Band, Right Band Edge for GSM-3dB Above AGC



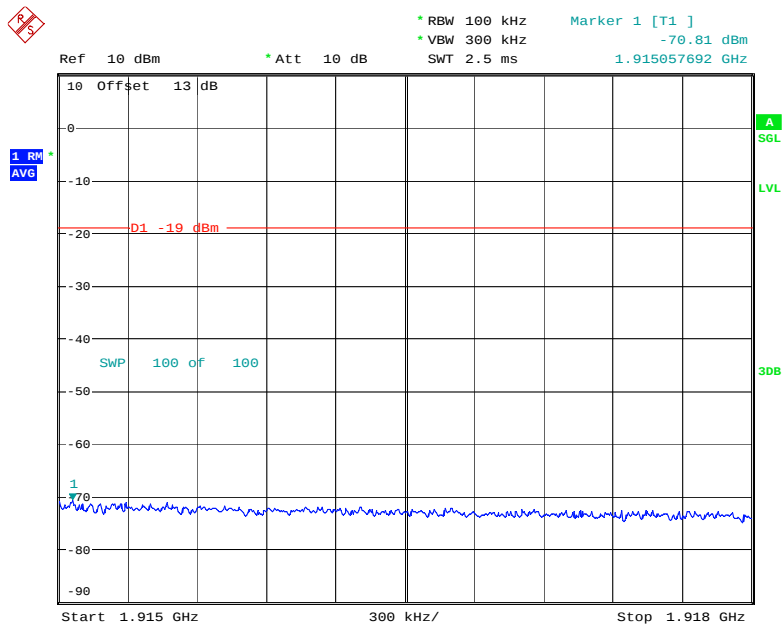
Date: 1.DEC.2022 17:07:24

PCS Band, Left Band Edge for AWGN-Pre AGC



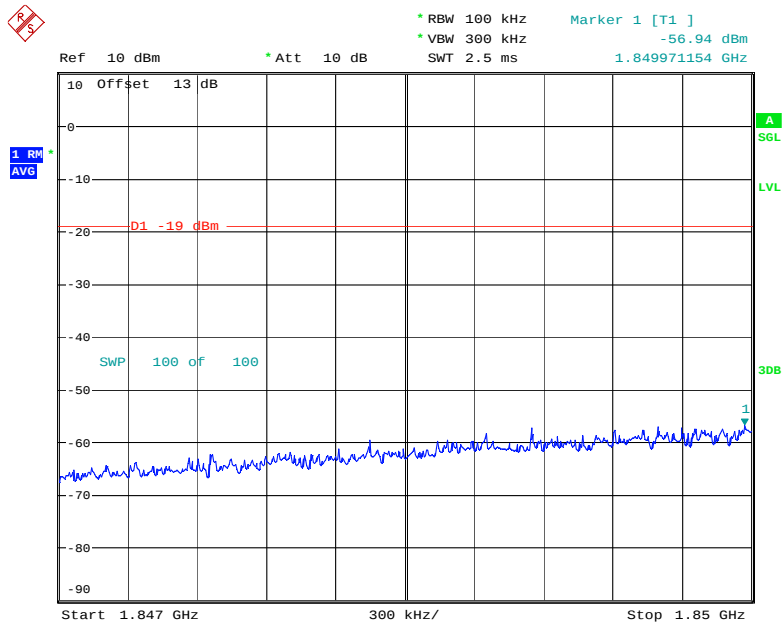
Date: 14.JAN.2023 15:23:09

PCS Band, Right Band Edge for AWGN-Pre AGC



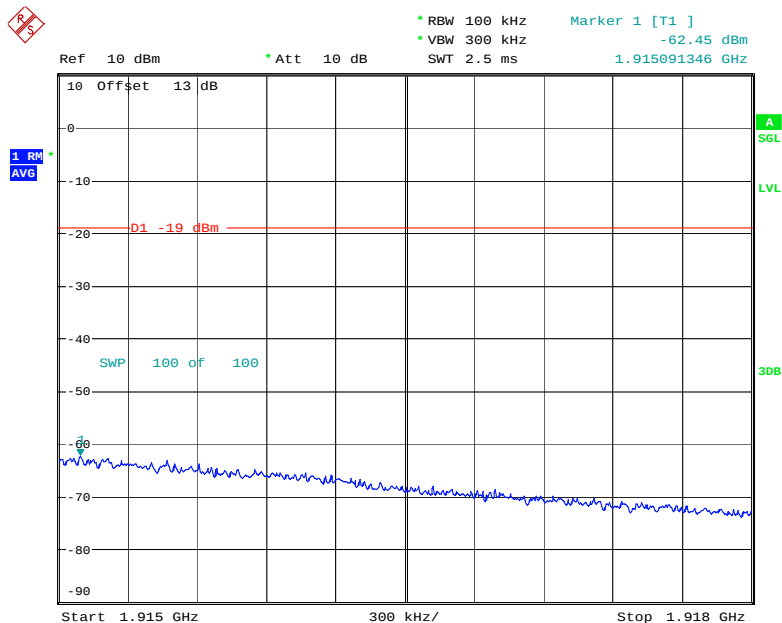
Date: 14.JAN.2023 15:23:26

PCS Band, Left Band Edge for AWGN-3dB Above AGC



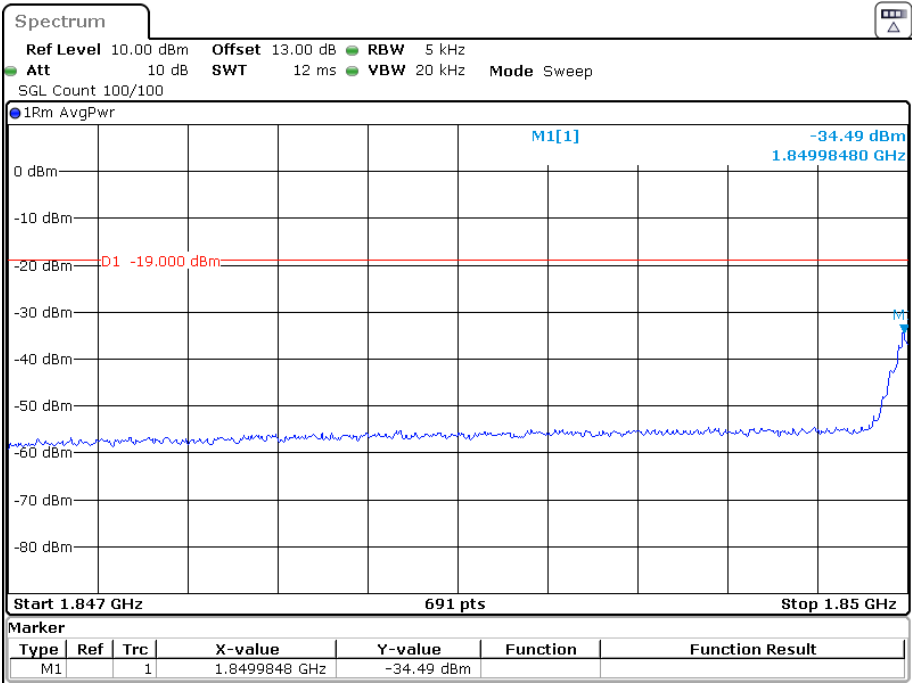
Date: 14.JAN.2023 15:23:17

PCS Band, Right Band Edge for AWGN-3dB Above AGC



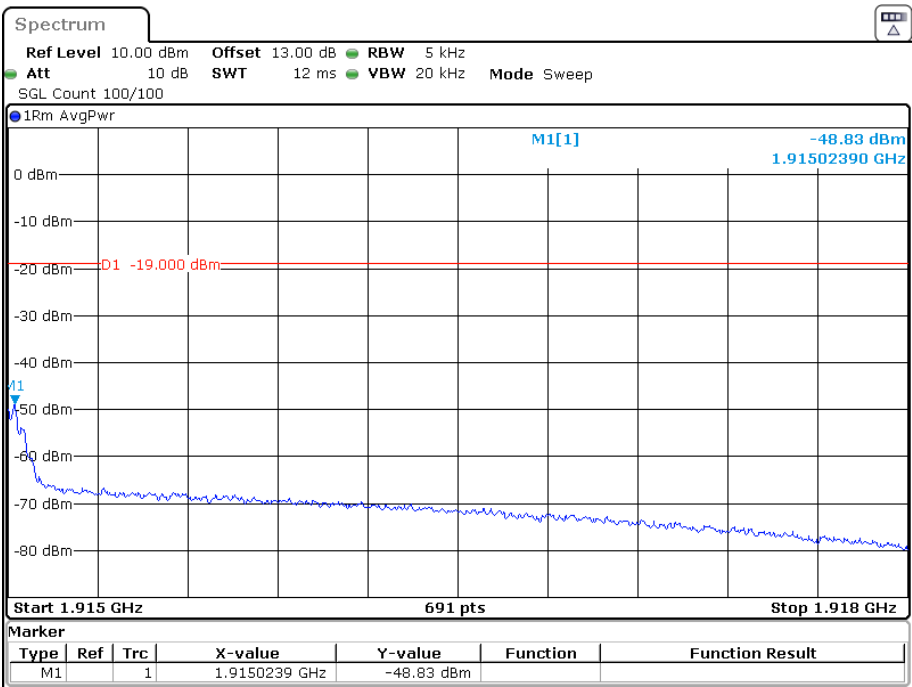
Date: 14.JAN.2023 15:23:36

PCS Band, Left Band Edge for GSM-Pre AGC



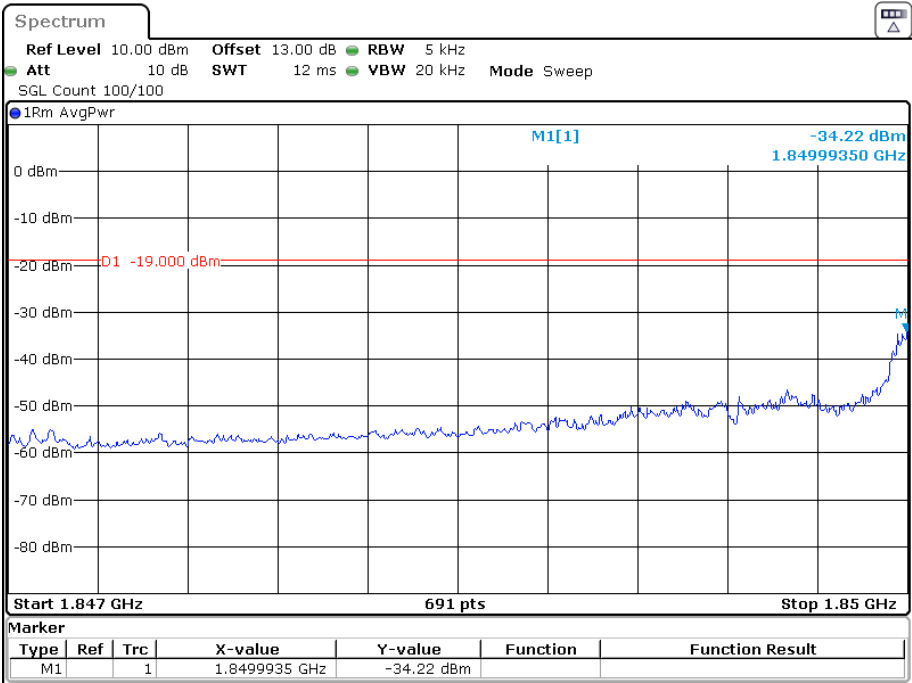
Date: 1.DEC.2022 17:07:56

PCS Band, Right Band Edge for GSM-Pre AGC



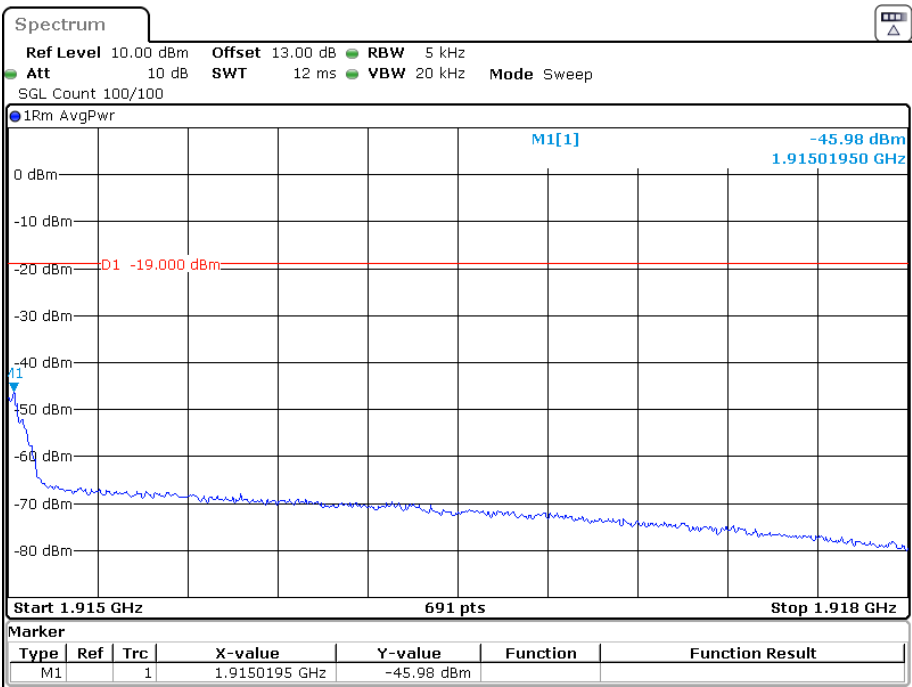
Date: 1.DEC.2022 17:08:30

PCS Band, Left Band Edge for GSM-3dB Above AGC



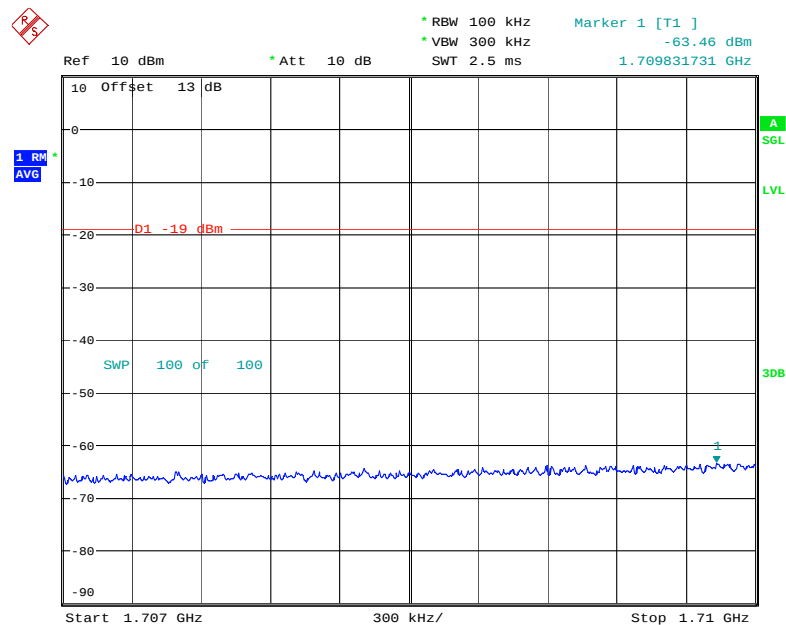
Date: 1.DEC.2022 17:08:07

PCS Band, Right Band Edge for GSM-3dB Above AGC



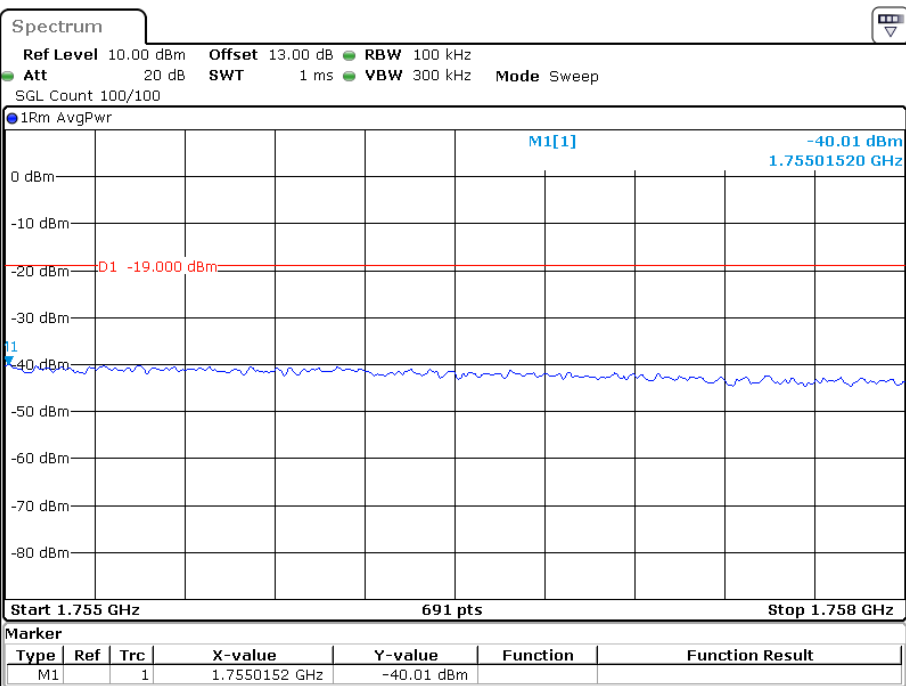
Date: 1.DEC.2022 17:08:43

AWS Band, Left Band Edge for AWGN -Pre AGC



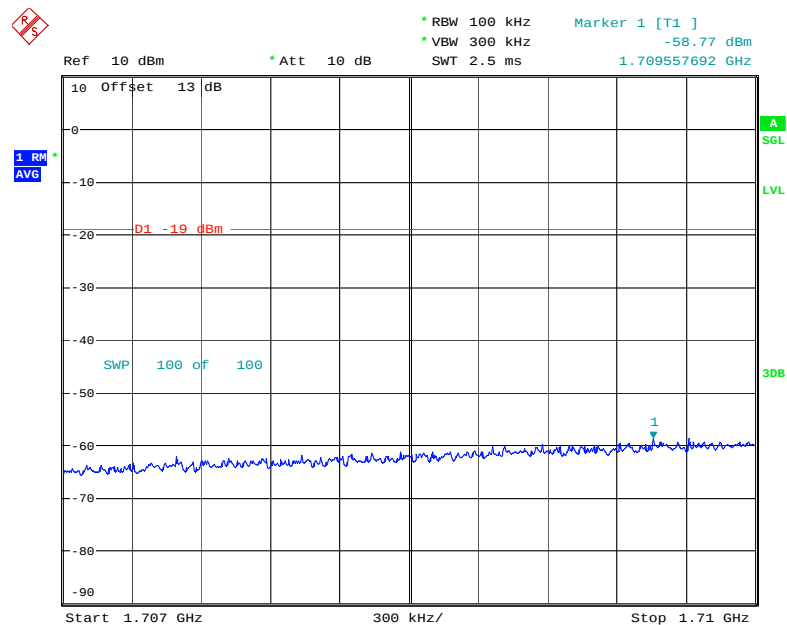
Date: 14.JAN.2023 15:23:45

AWS Band, Right Band Edge for AWGN-Pre AGC



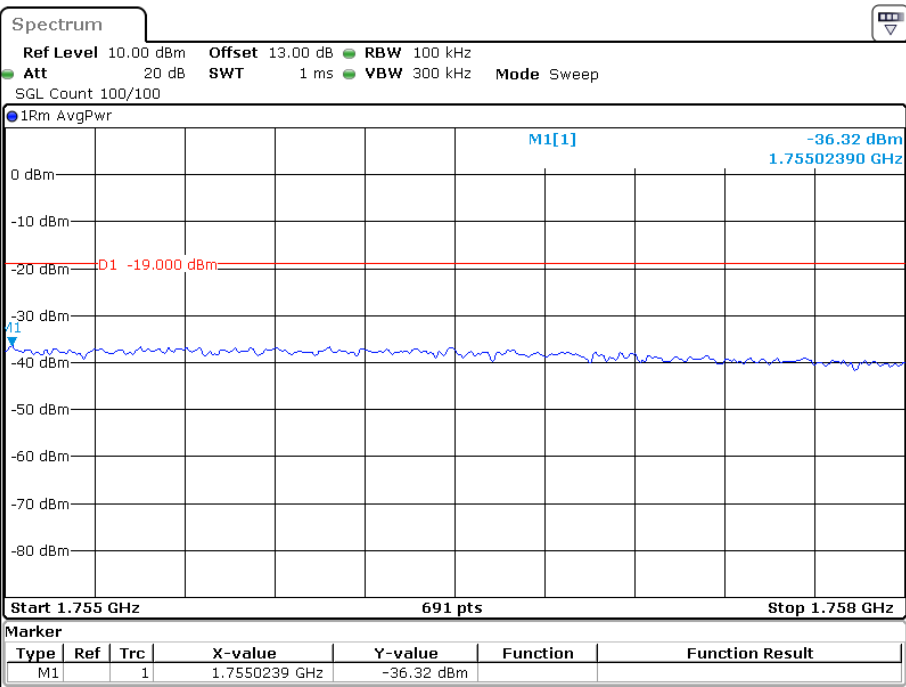
Date: 1.FEB.2023 13:36:20

AWS Band, Left Band Edge for AWGN-3dB Above AGC



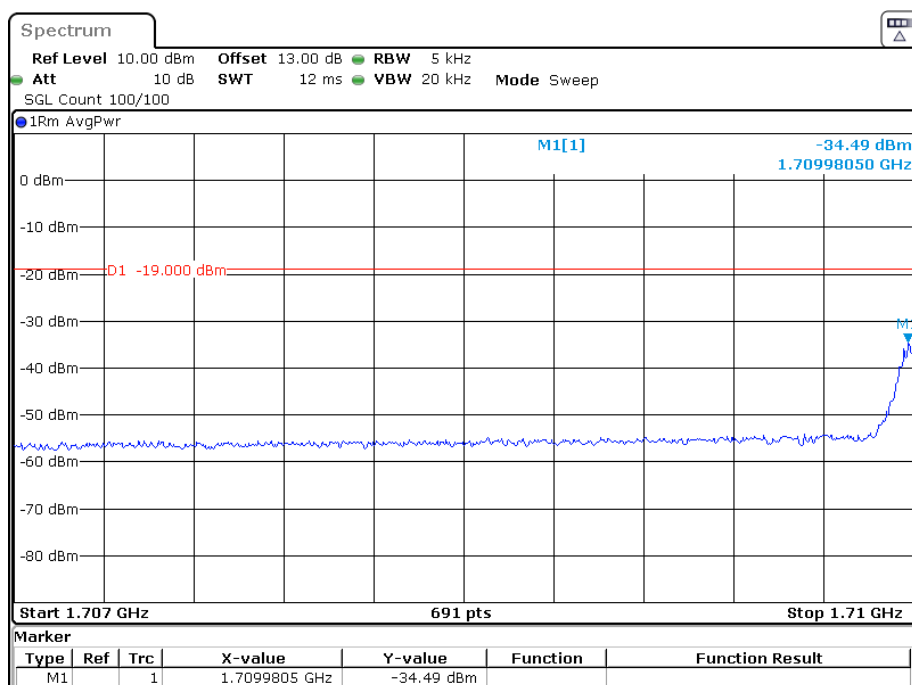
Date: 14.JAN.2023 15:23:52

AWS Band, Right Band Edge for AWGN-3dB Above AGC



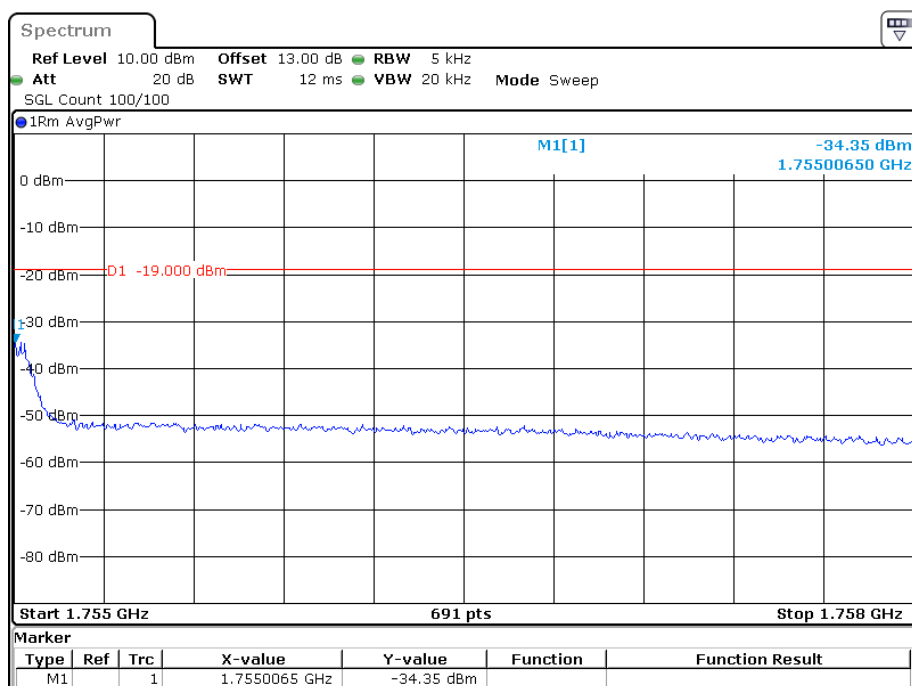
Date: 1.FEB.2023 13:36:41

AWS Band, Left Band Edge for GSM-Pre AGC



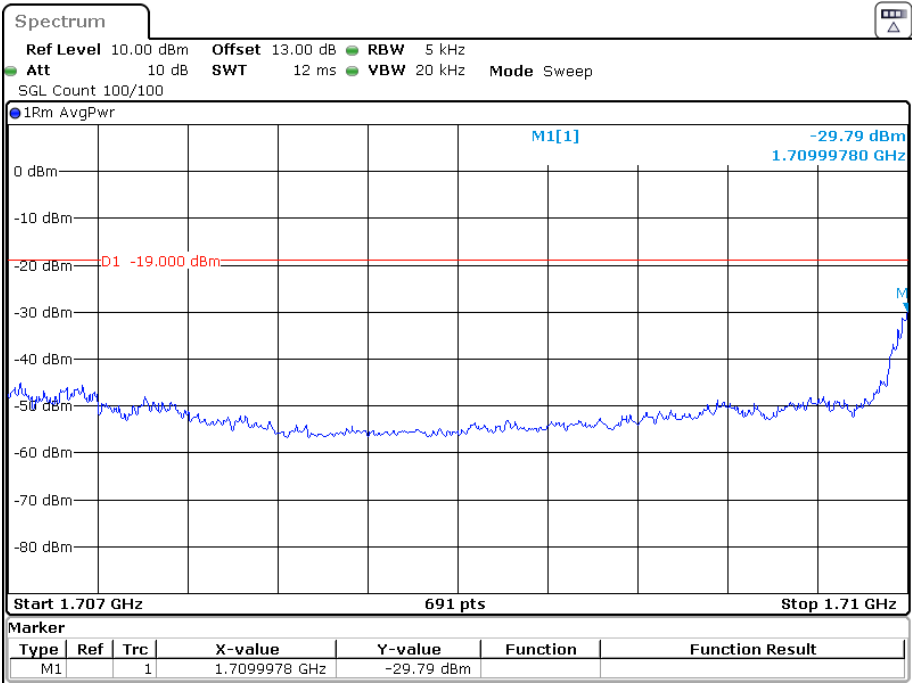
Date: 1.DEC.2022 17:09:05

AWS Band, Right Band Edge for GSM-Pre AGC



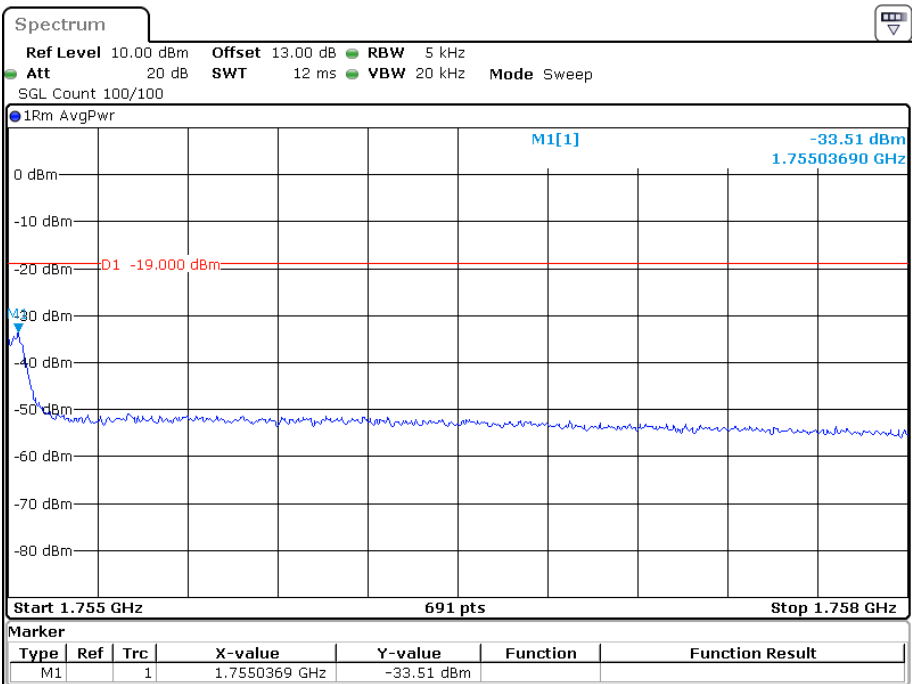
Date: 1.FEB.2023 13:34:48

AWS Band, Left Band Edge for GSM-3dB Above AGC



Date: 1.DEC.2022 17:09:14

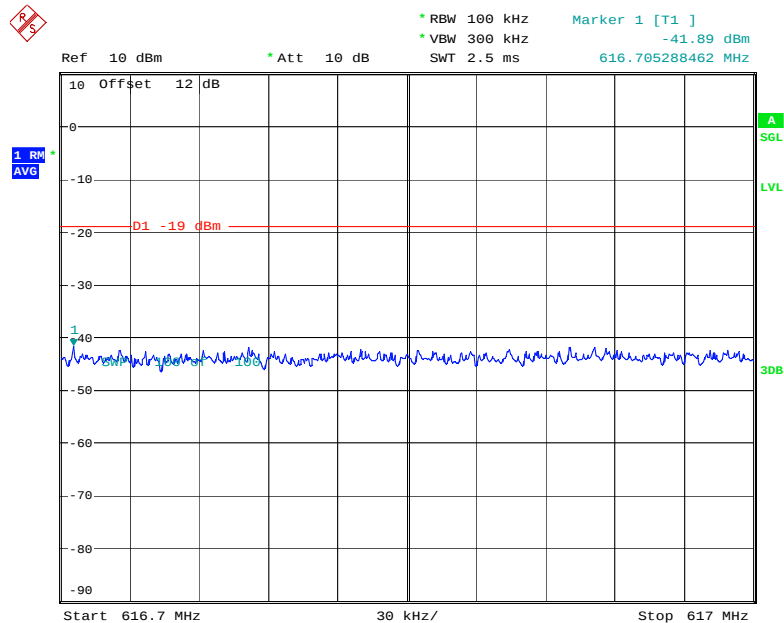
AWS Band, Right Band Edge for GSM-3dB Above AGC



Date: 1.FEB.2023 13:35:09

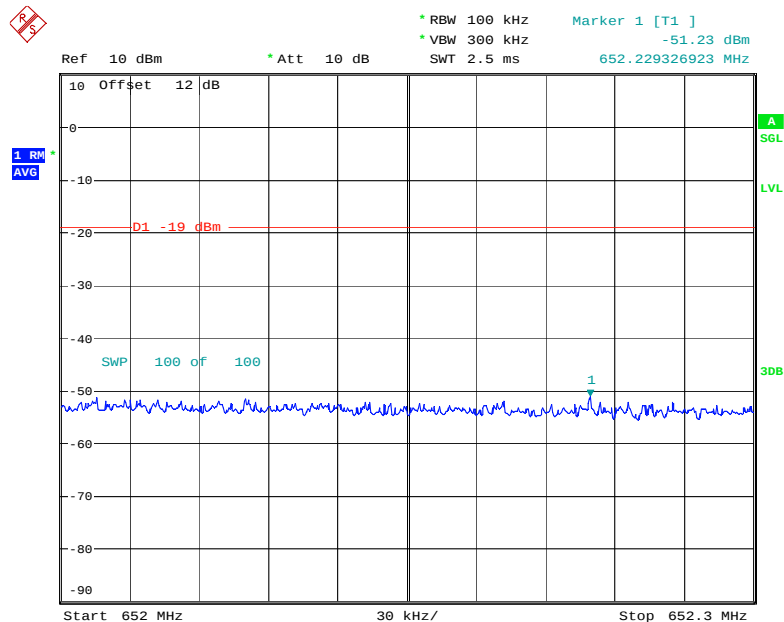
Downlink:

600MHz Band Left Band Edge for AWGN-Pre AGC

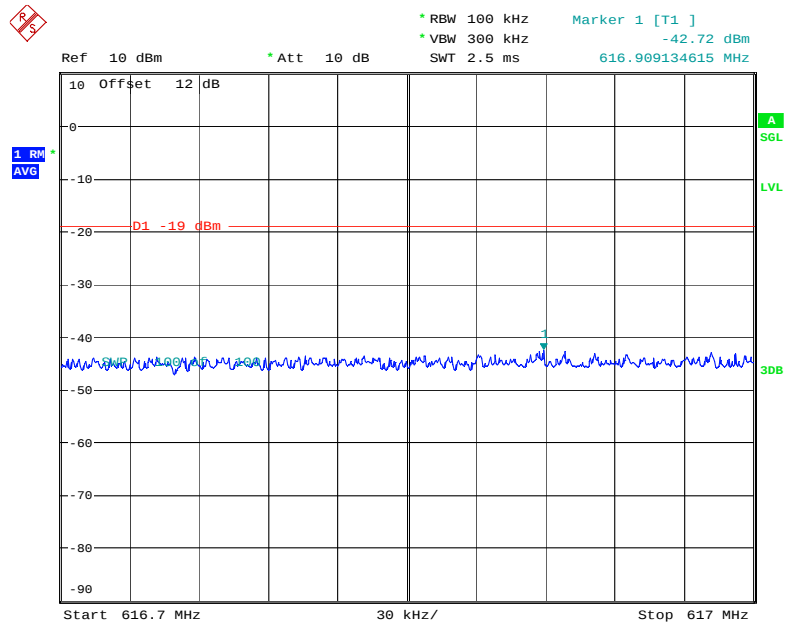


Date: 14.JAN.2023 15:33:44

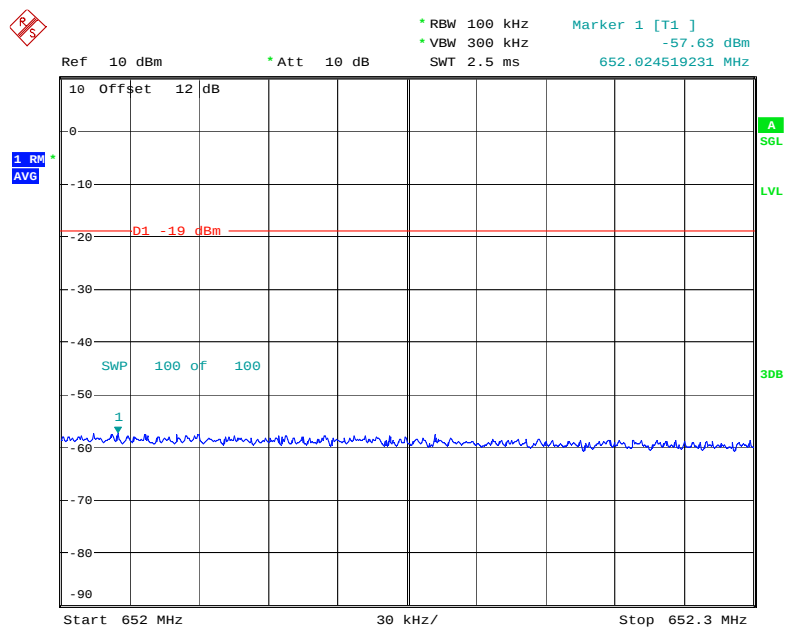
600MHz Band, Right Band Edge for AWGN-Pre AGC



Date: 14.JAN.2023 15:34:03

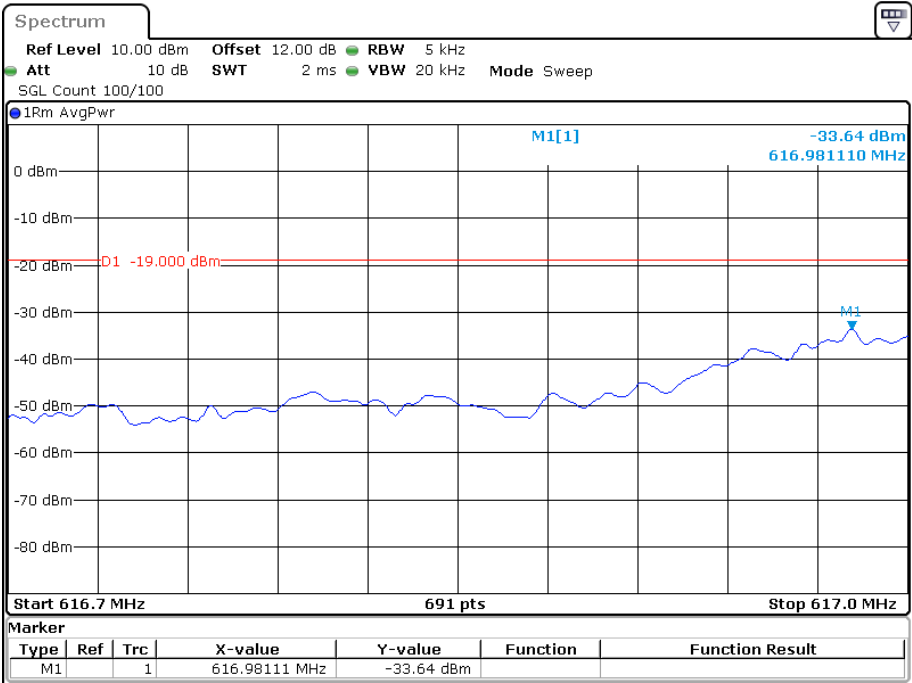
600MHz Band, Left Band Edge for AWGN-3dB Above AGC

Date: 14.JAN.2023 15:33:53

600MHz Band, Right Band Edge for AWGN-3dB Above AGC

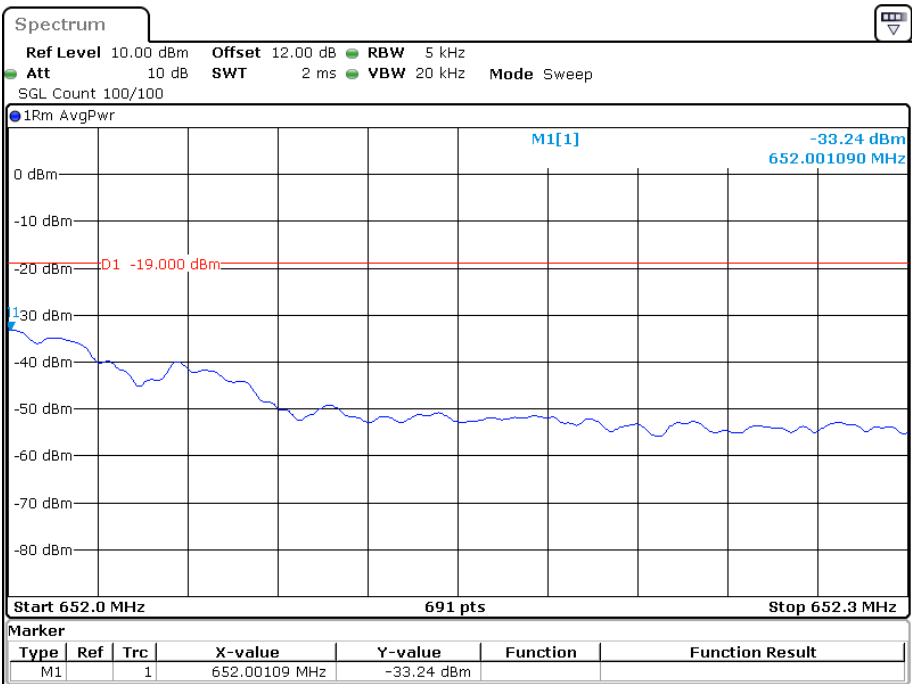
Date: 14.JAN.2023 15:34:10

600MHz Band Left Band Edge for GSM-Pre AGC



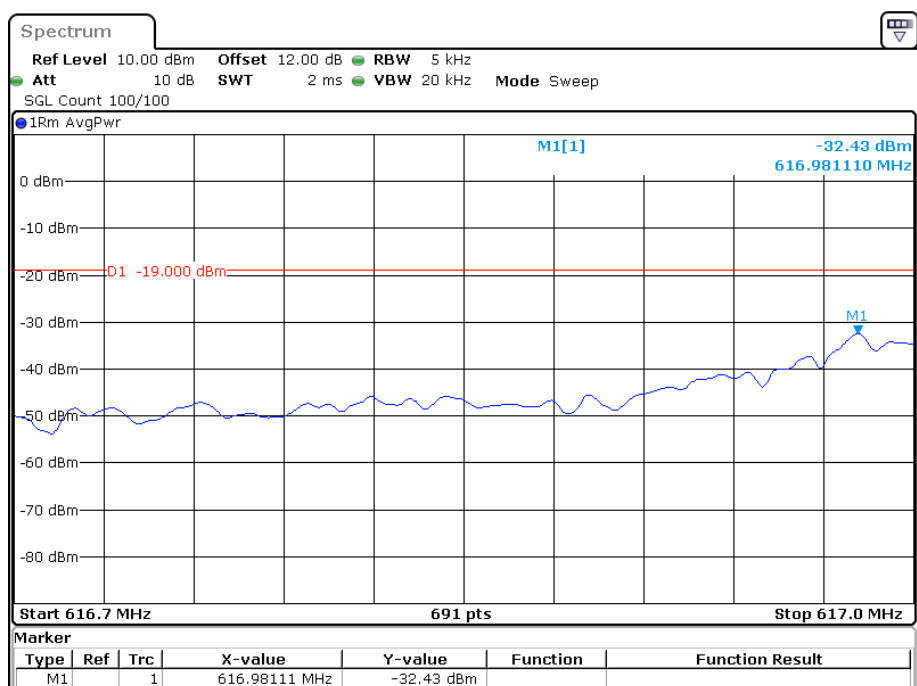
Date: 19.DEC.2022 15:13:55

600MHz Band, Right Band Edge for GSM-Pre AGC



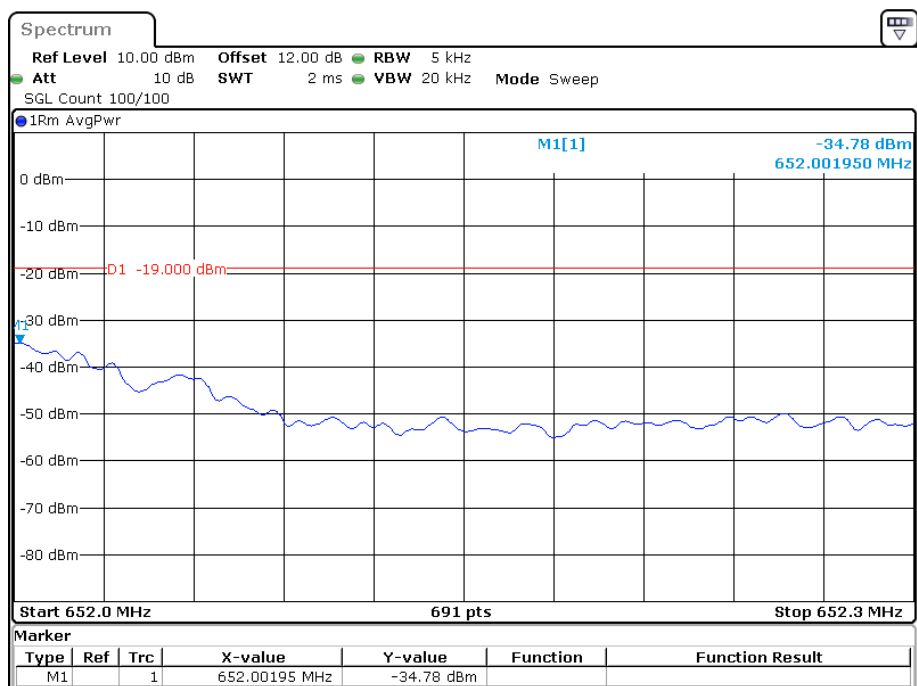
Date: 19.DEC.2022 15:14:09

600MHz Band, Left Band Edge for GSM-3dB Above AGC



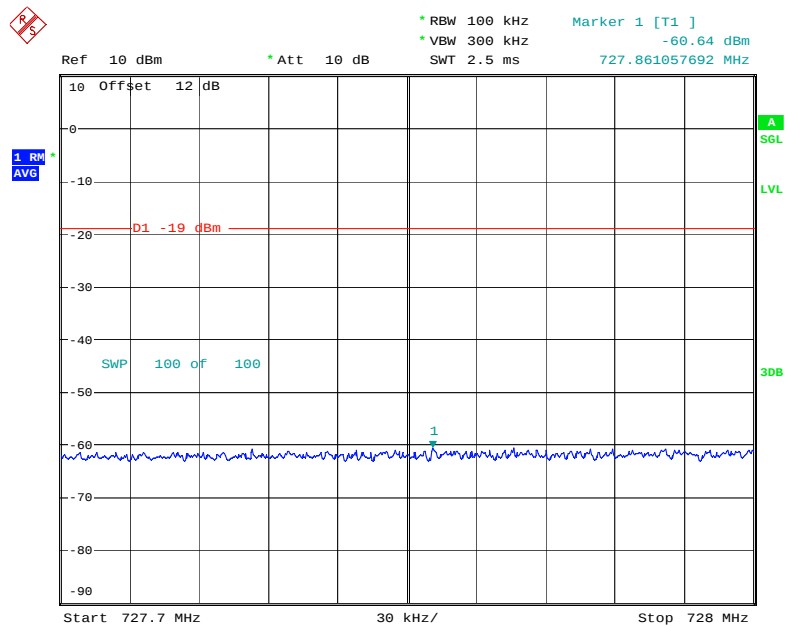
Date: 19.DEC.2022 15:14:02

600MHz Band, Right Band Edge for GSM 3dB Above AGC



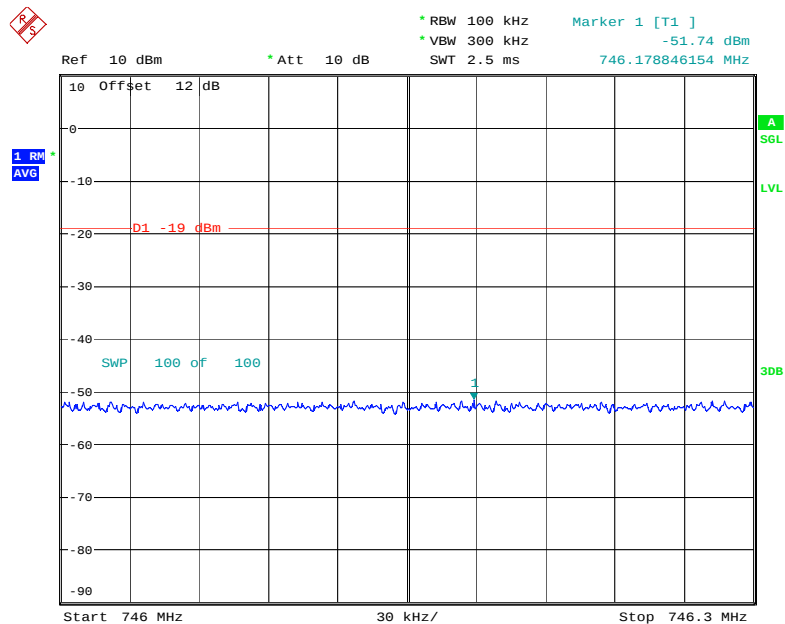
Date: 19.DEC.2022 15:14:17

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC



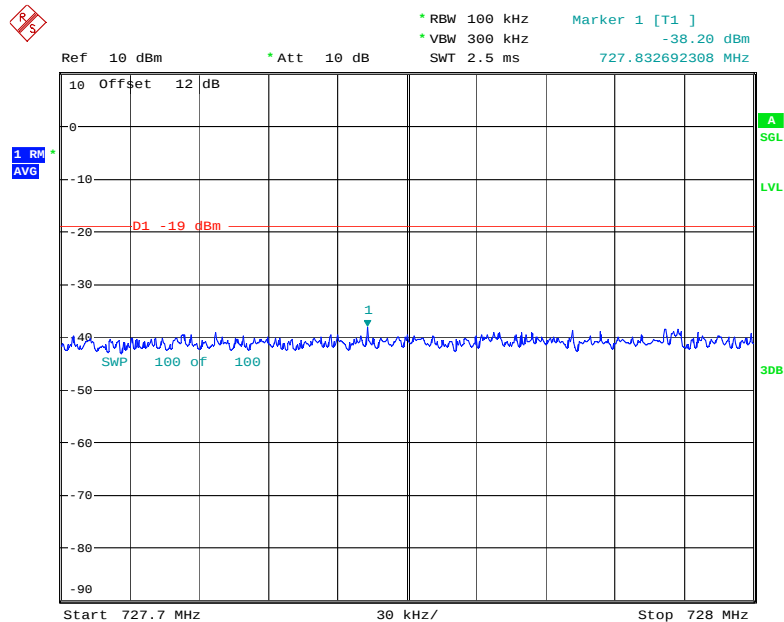
Date: 14.JAN.2023 15:34:20

Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC



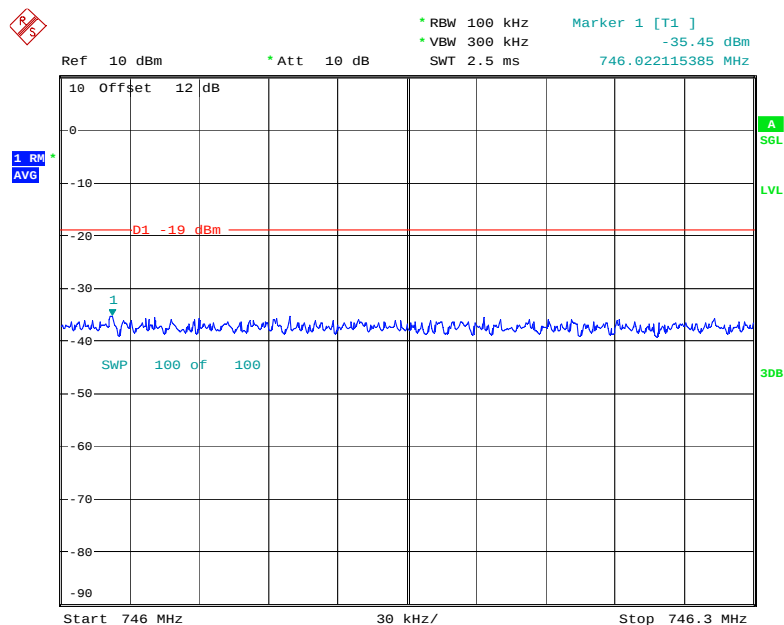
Date: 14.JAN.2023 15:34:39

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-3dB Above AGC

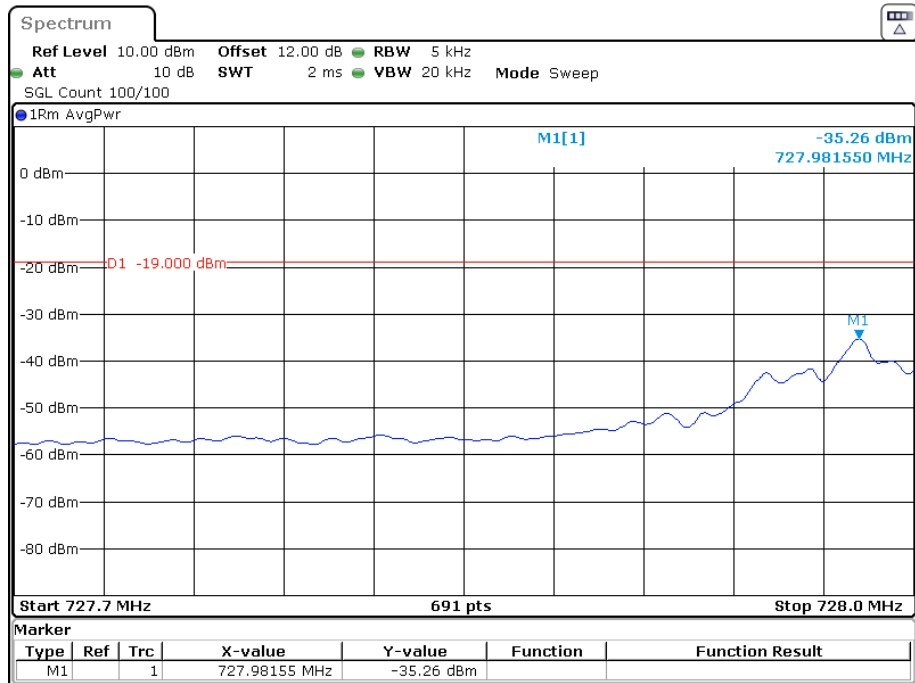


Date: 14.JAN.2023 15:34:30

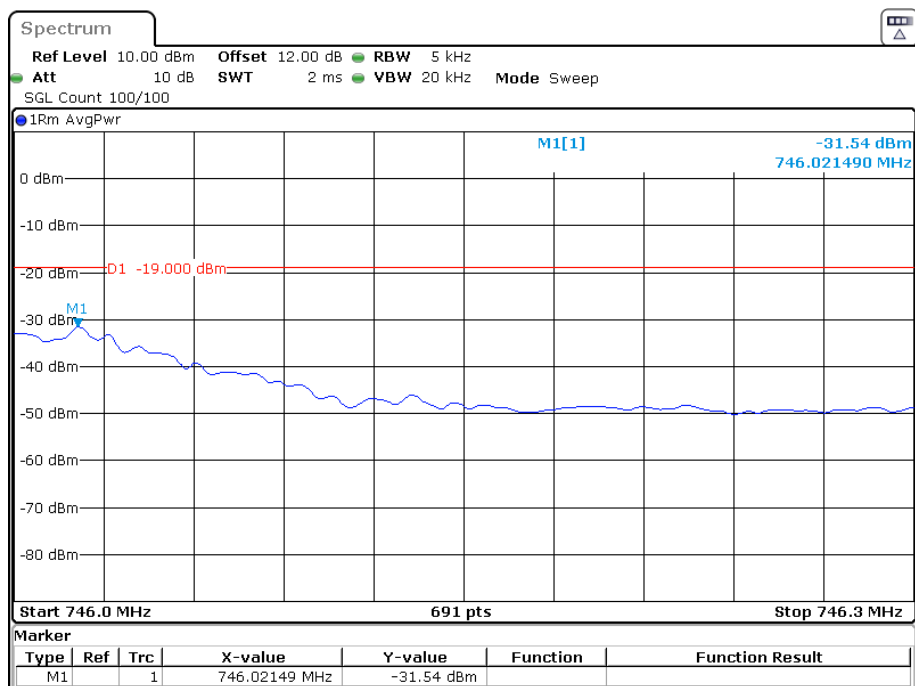
Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-3dB Above AGC



Date: 14.JAN.2023 15:34:49

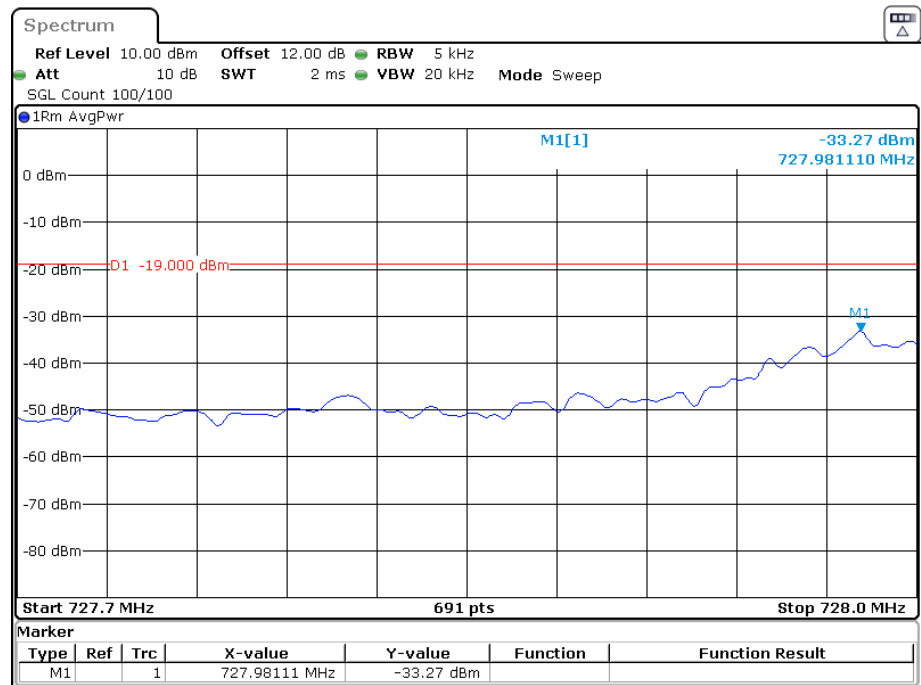
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC

Date: 1.DEC.2022 17:17:51

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC

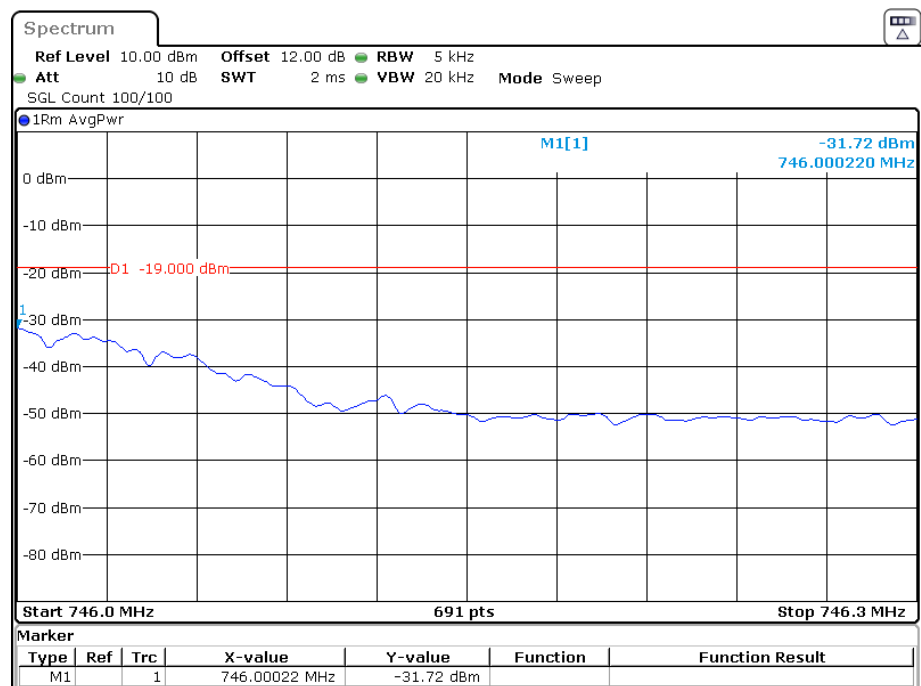
Date: 1.DEC.2022 17:18:55

Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-3dB Above AGC

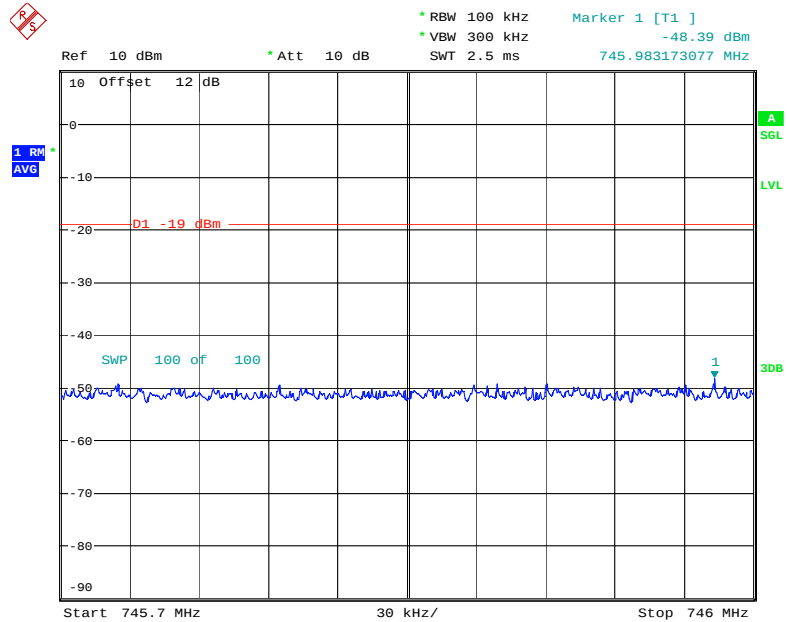


Date: 1.DEC.2022 17:18:29

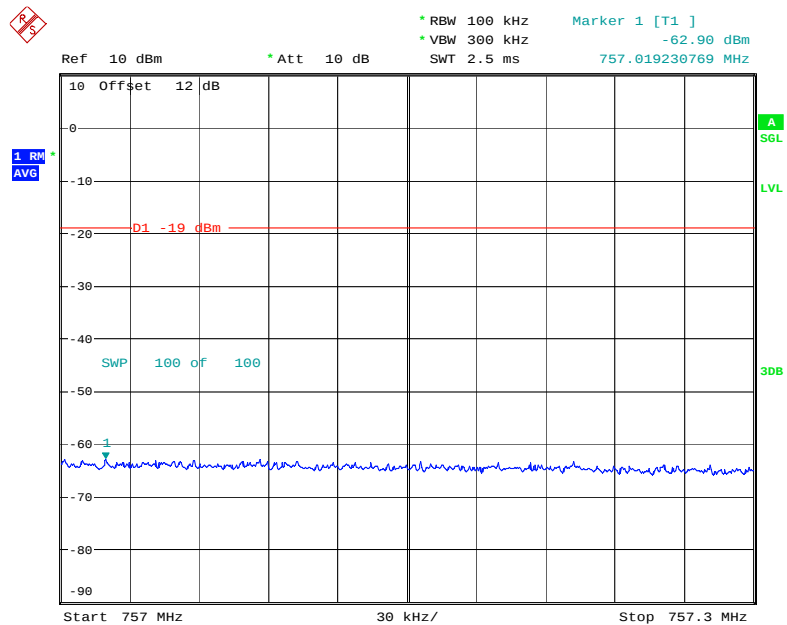
Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-3dB Above AGC



Date: 1.DEC.2022 17:19:28

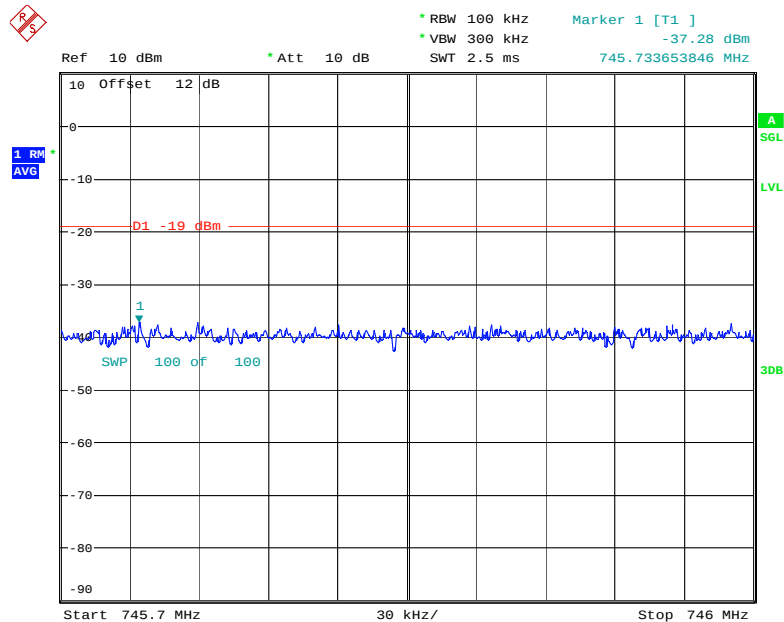
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC

Date: 14.JAN.2023 15:34:58

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC

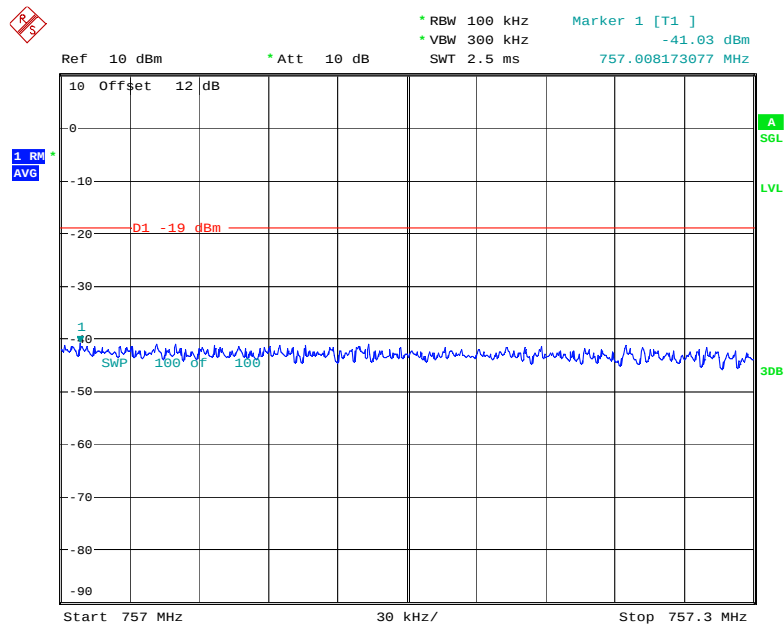
Date: 14.JAN.2023 15:35:15

Upper 700MHz (C Block)Band, Left Band Edge for AWGN-3dB Above AGC



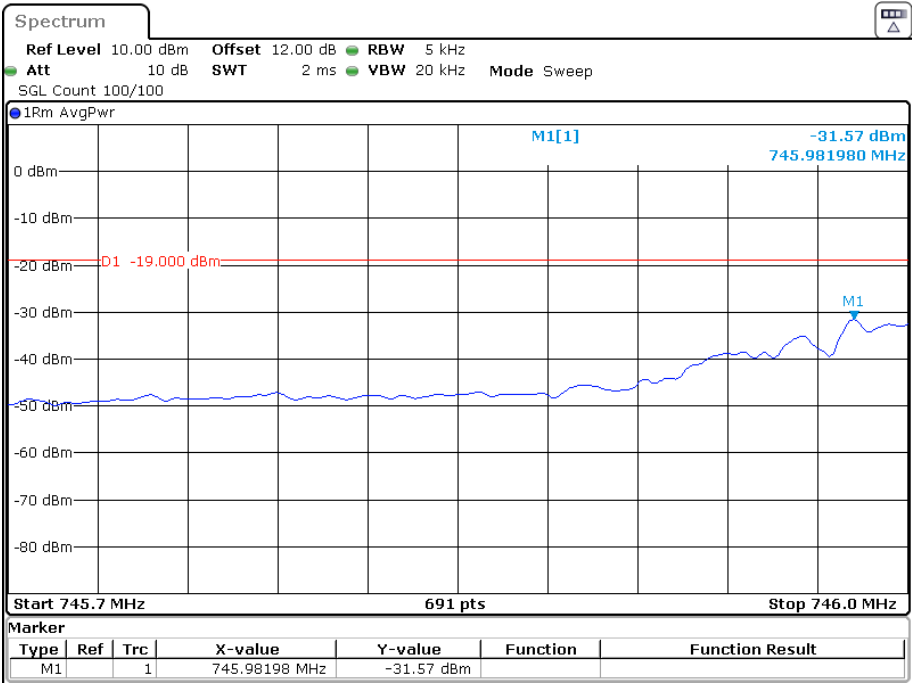
Date: 14. JAN. 2023 15:35:07

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC



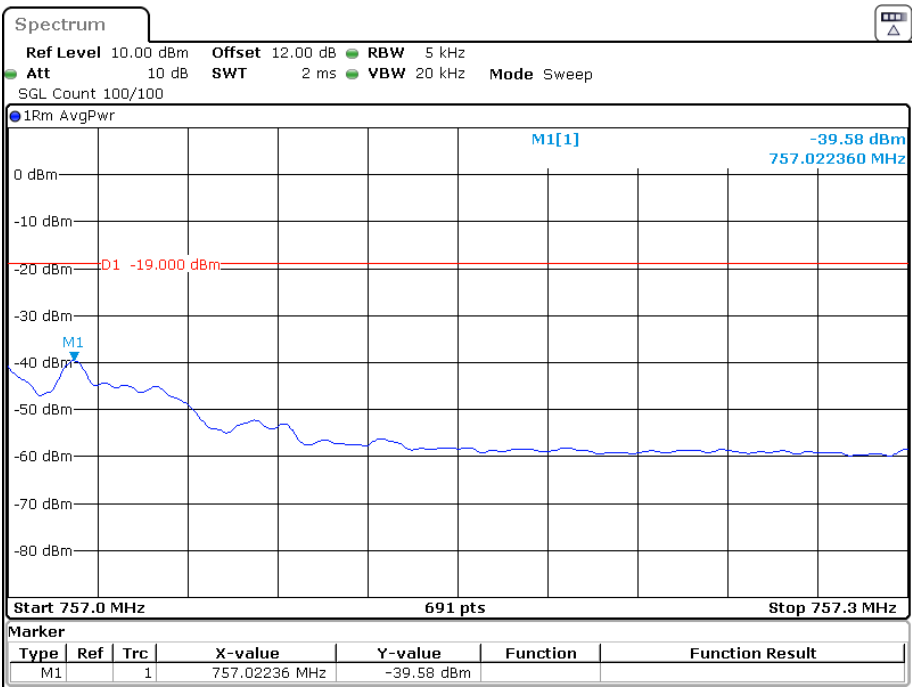
Date: 14. JAN. 2023 15:35:24

Upper 700MHz (C Block) Band, Left Band Edge for GSM-Pre AGC



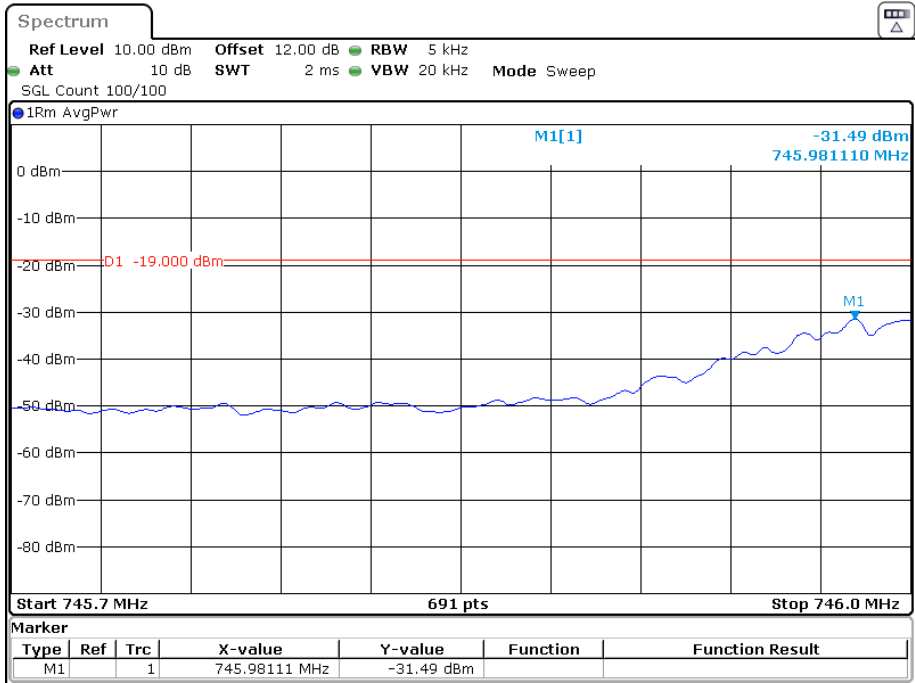
Date: 1.DEC.2022 17:19:57

Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC



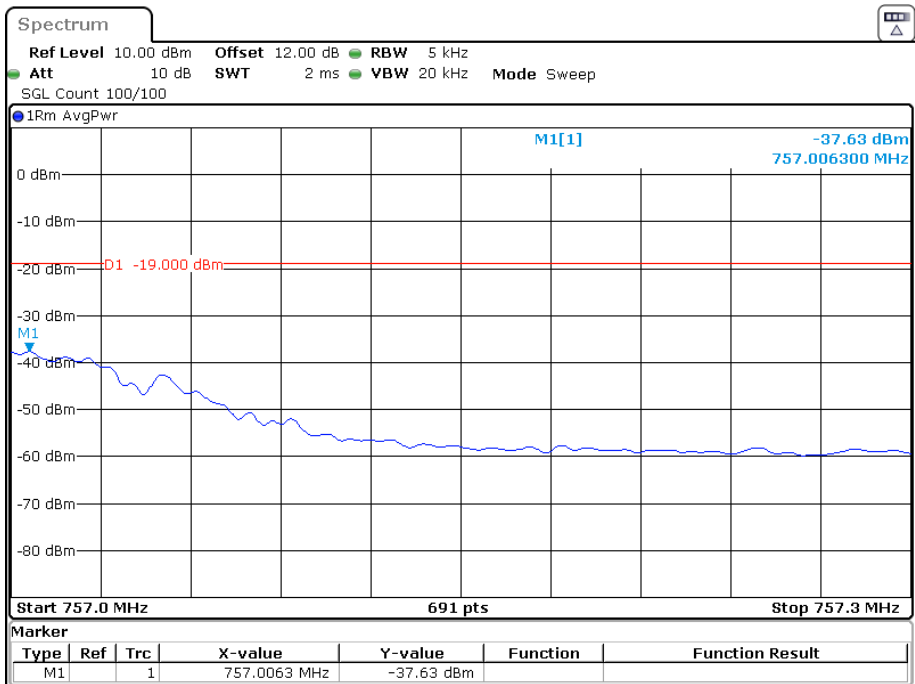
Date: 1.DEC.2022 17:20:48

Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC



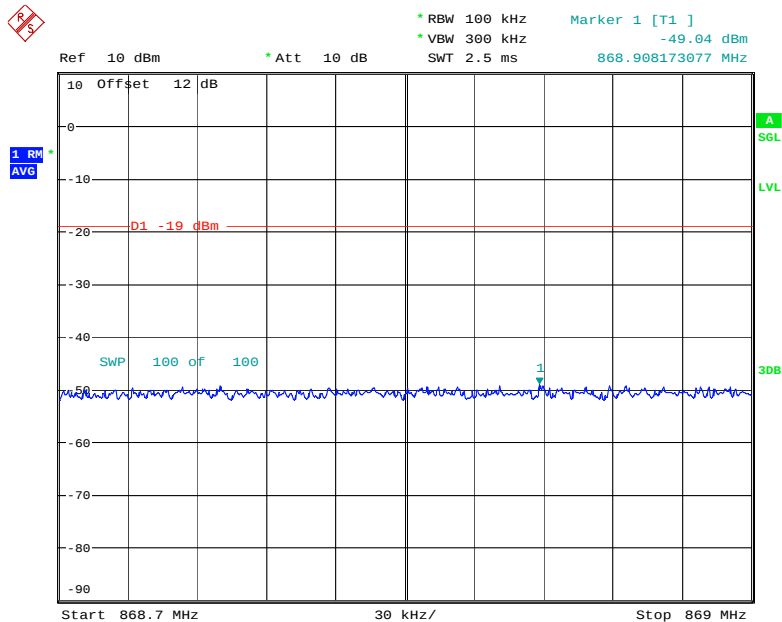
Date: 1.DEC.2022 17:20:26

Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC



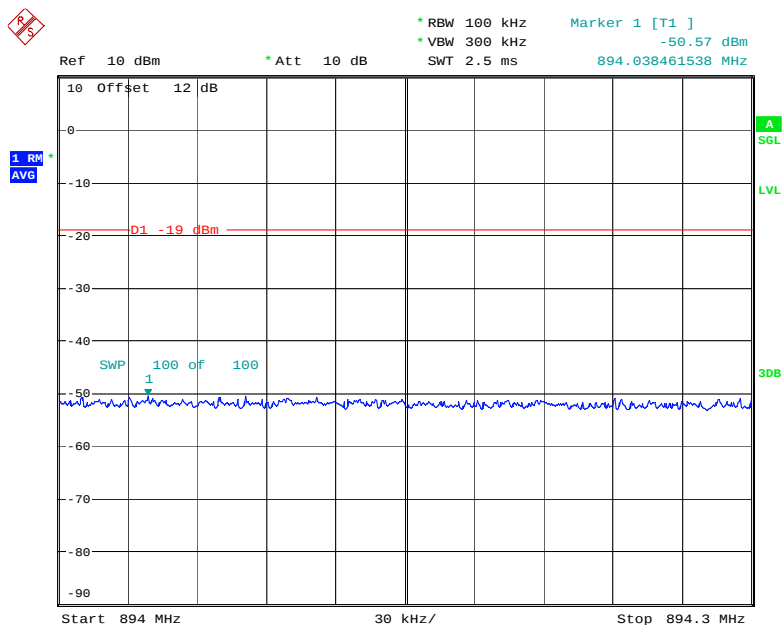
Date: 1.DEC.2022 17:20:56

Cellular Band, Left Band Edge for AWGN-Pre AGC



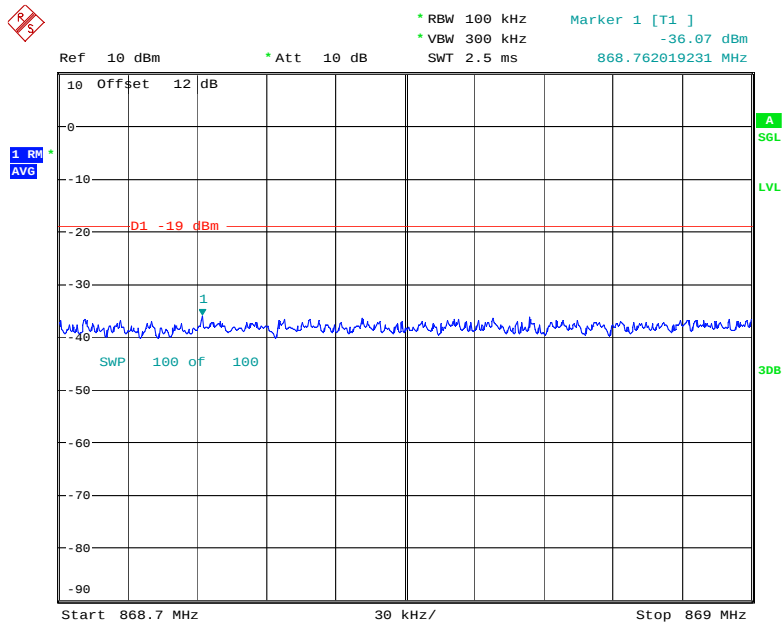
Date: 14.JAN.2023 15:35:34

Cellular Band, Right Band Edge for AWGN-Pre AGC



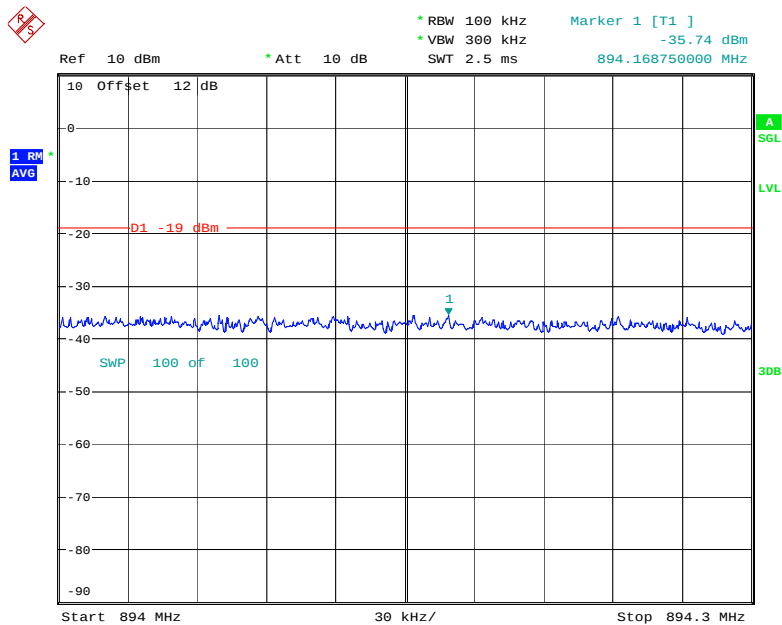
Date: 14.JAN.2023 15:35:50

Cellular Band, Left Band Edge for AWGN-3dB Above AGC



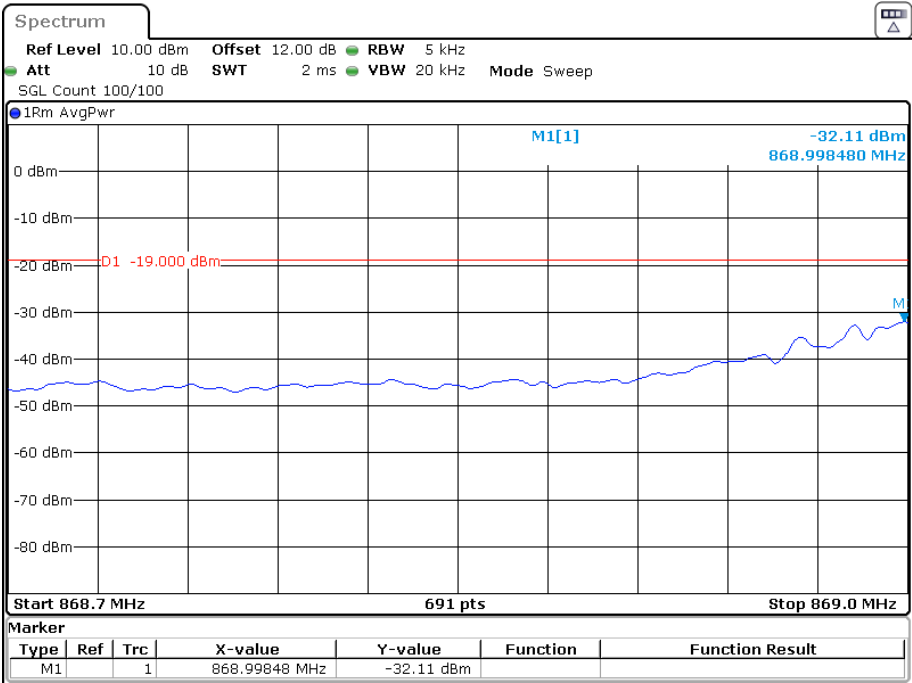
Date: 14.JAN.2023 15:35:41

Cellular Band, Right Band Edge for AWGN-3dB Above AGC



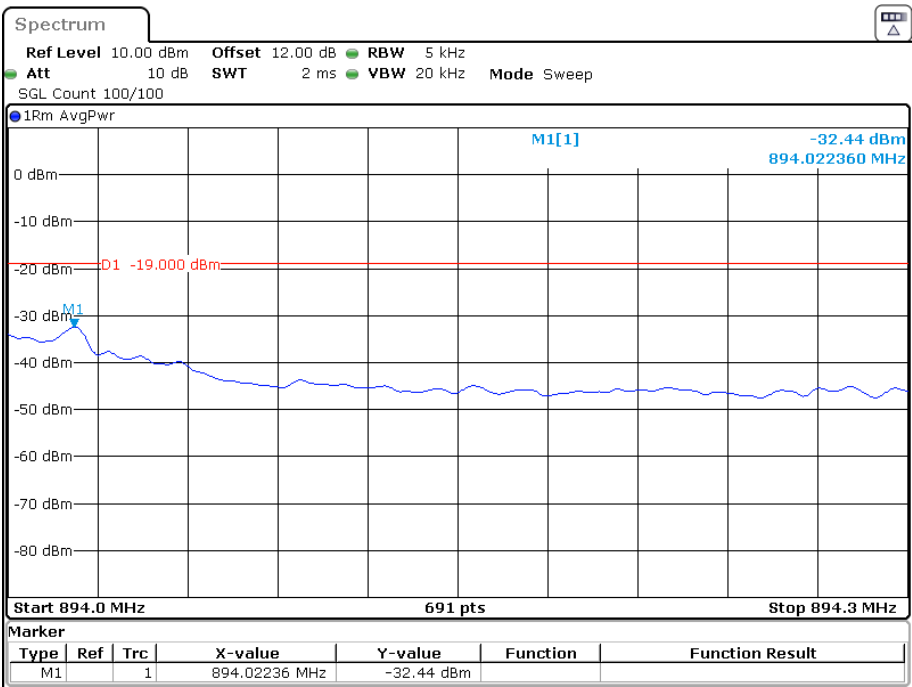
Date: 14.JAN.2023 15:35:59

Cellular Band, Left Band Edge for GSM-Pre AGC



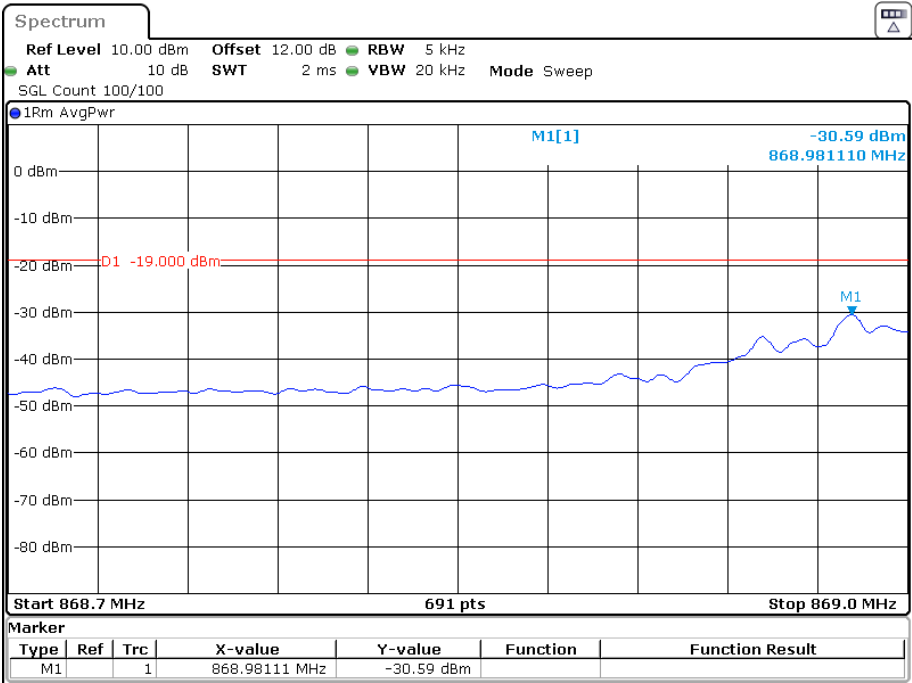
Date: 1.DEC.2022 17:21:20

Cellular Band, Right Band Edge for GSM-Pre AGC



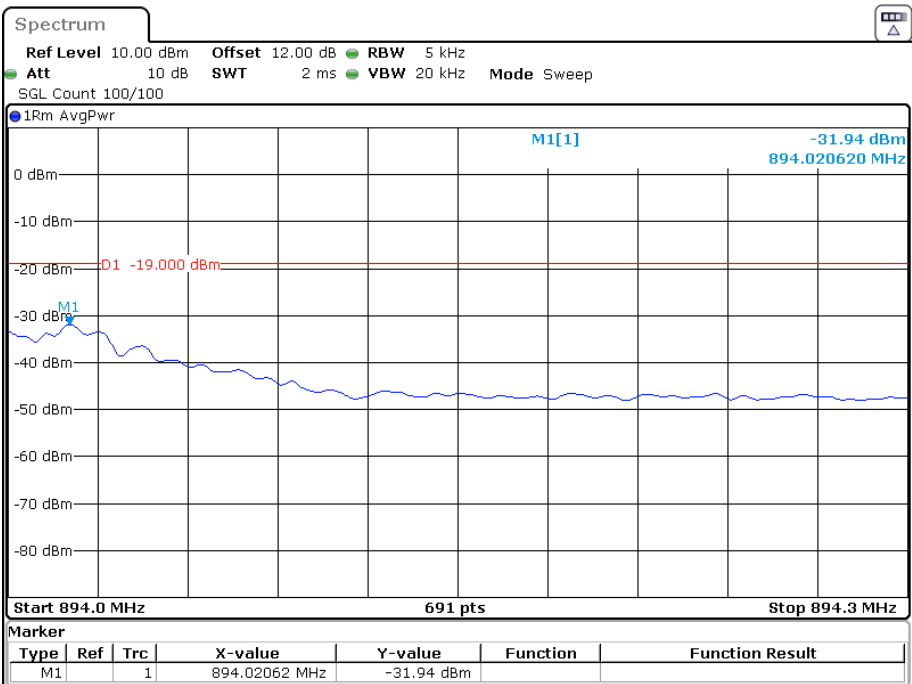
Date: 1.DEC.2022 17:22:00

Cellular Band, Left Band Edge for GSM-3dB Above AGC



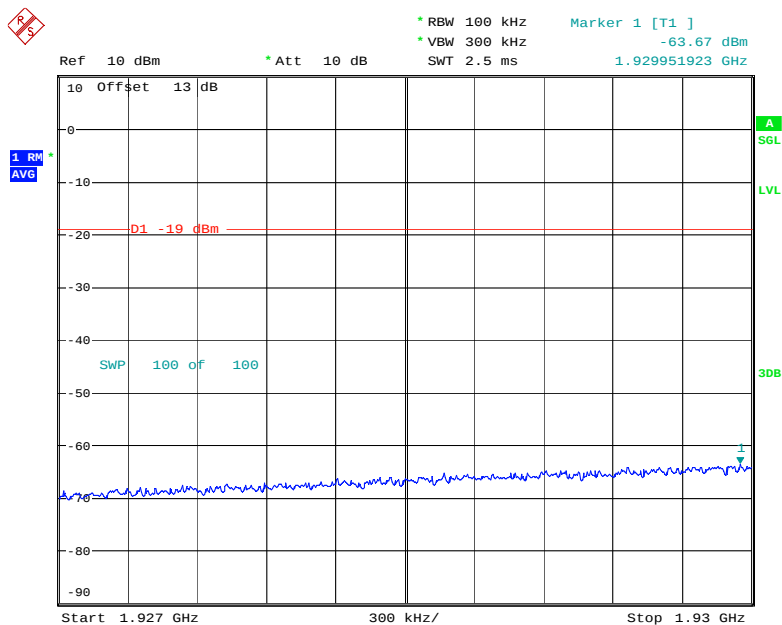
Date: 1.DEC.2022 17:21:35

Cellular Band, Right Band Edge for GSM-3dB Above AGC



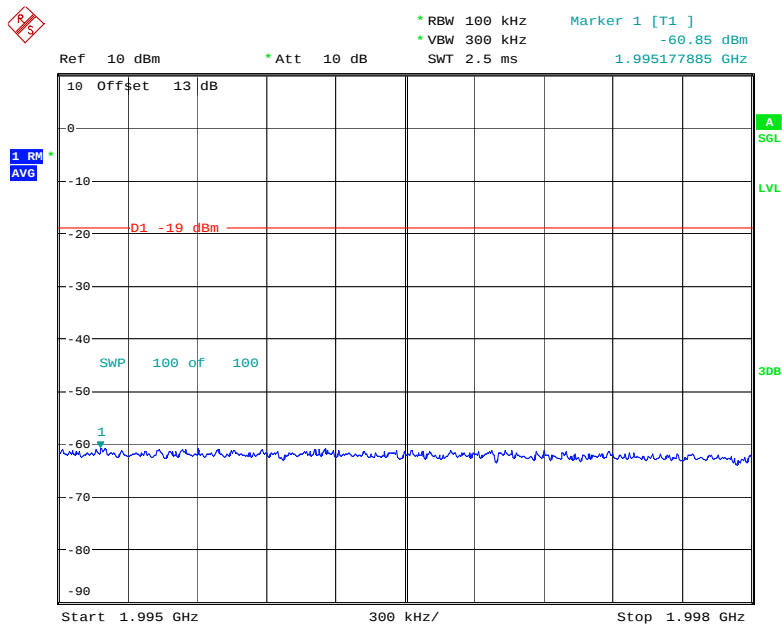
Date: 1.DEC.2022 17:22:13

PCS Band, Left Band Edge for AWGN-Pre AGC



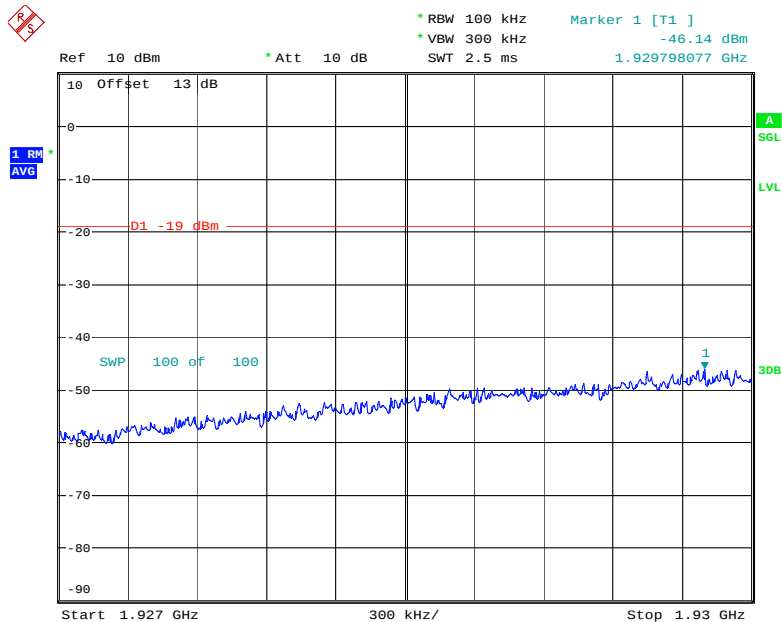
Date: 14.JAN.2023 15:36:09

PCS Band, Right Band Edge for AWGN-Pre AGC



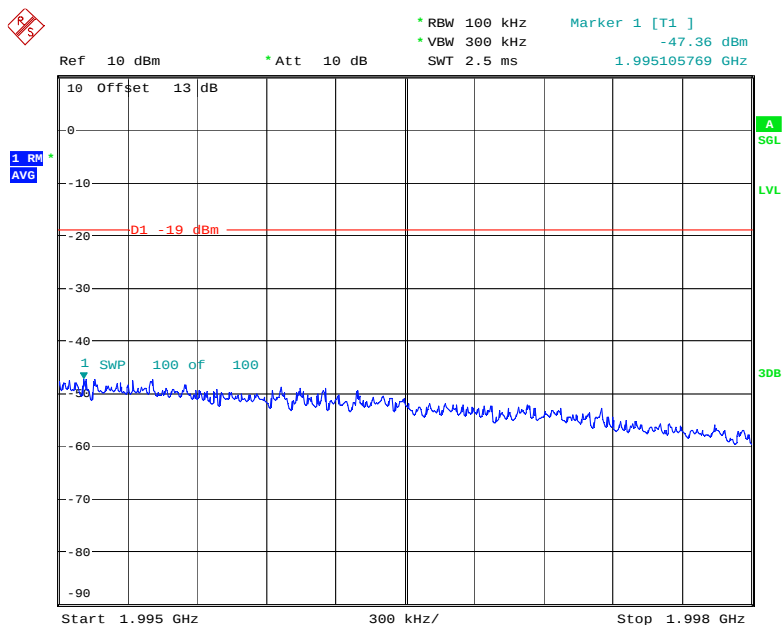
Date: 14.JAN.2023 15:36:26

PCS Band, Left Band Edge for AWGN-3dB Above AGC



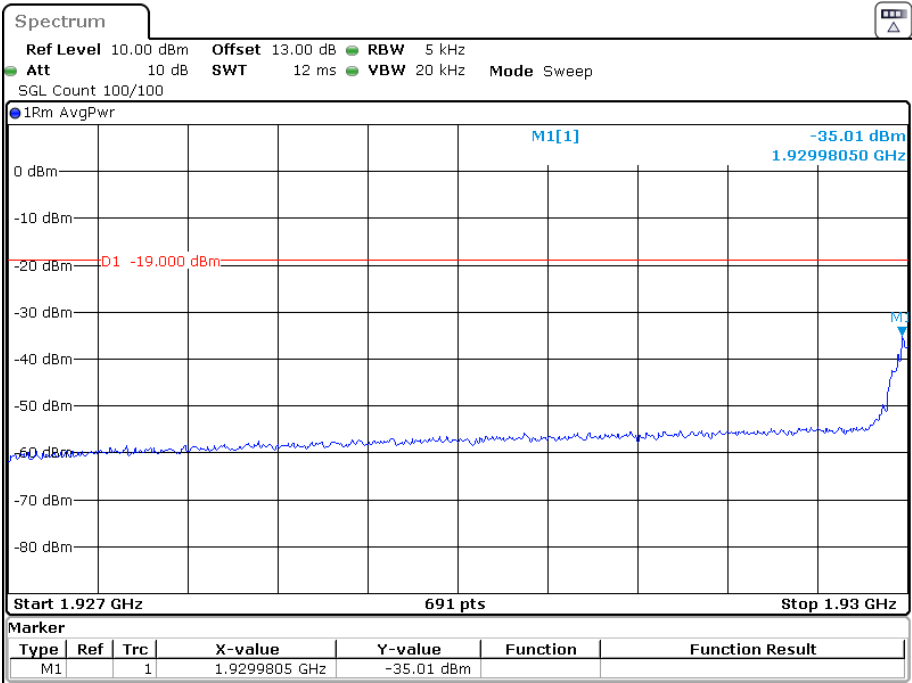
Date: 14. JAN. 2023 15:36:16

PCS Band, Right Band Edge for AWGN-3dB Above AGC



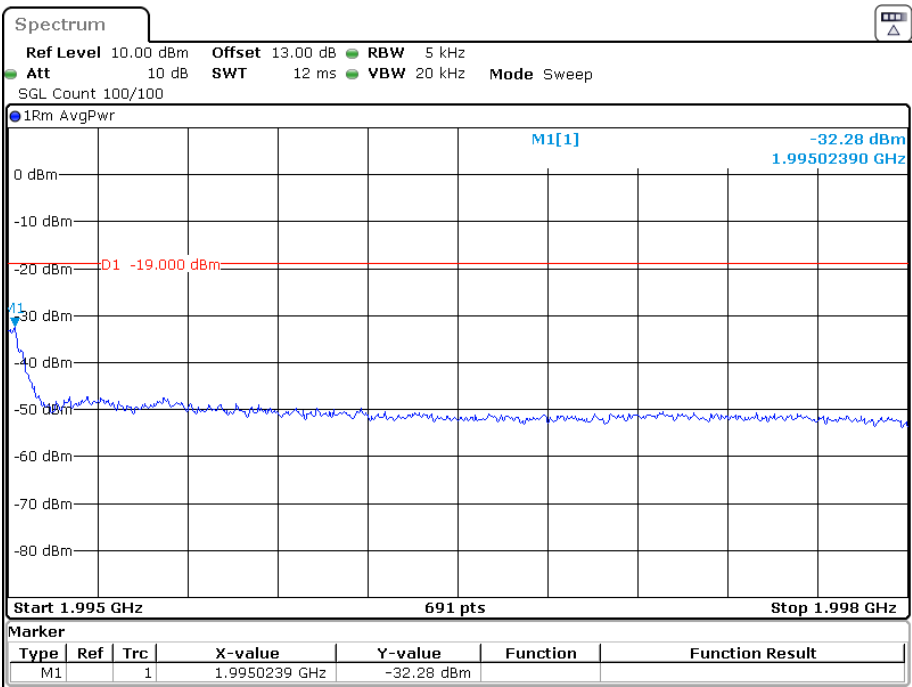
Date: 14. JAN. 2023 15:36:35

PCS Band, Left Band Edge for GSM-Pre AGC



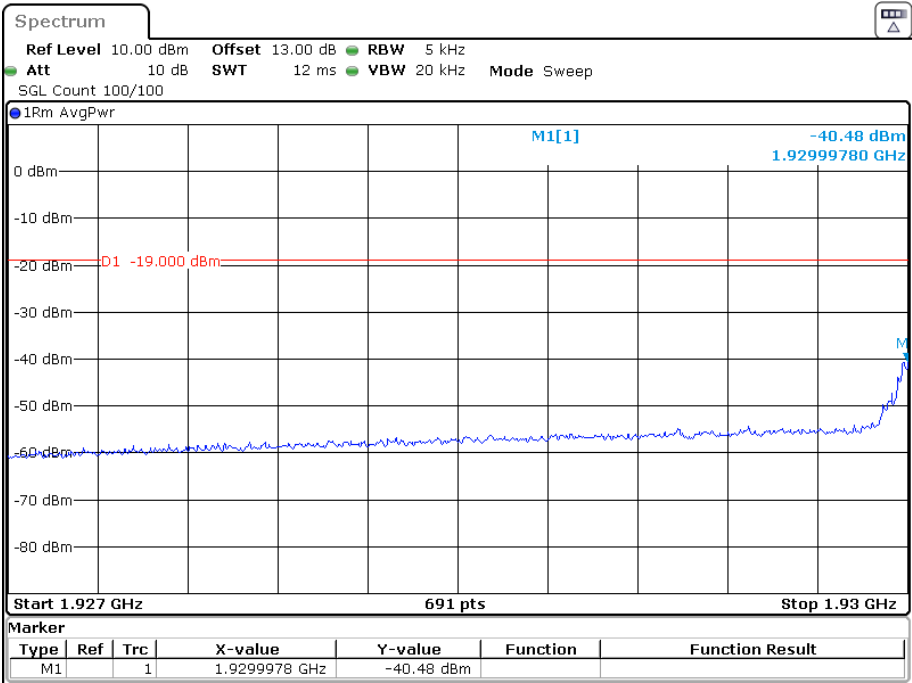
Date: 1.DEC.2022 17:22:45

PCS Band, Right Band Edge for GSM-Pre AGC



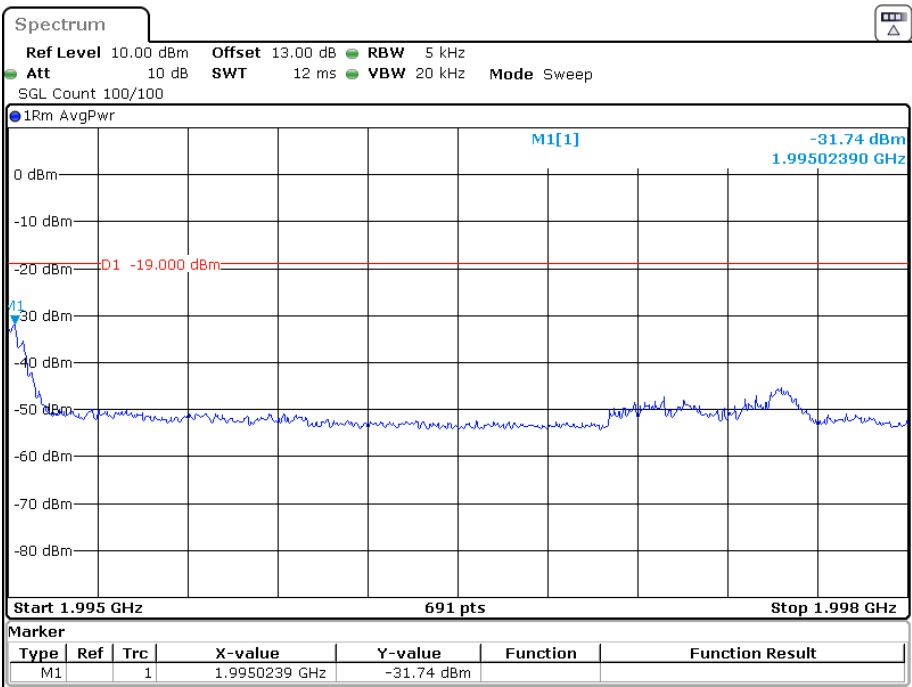
Date: 1.DEC.2022 17:23:18

PCS Band, Left Band Edge for GSM-3dB Above AGC



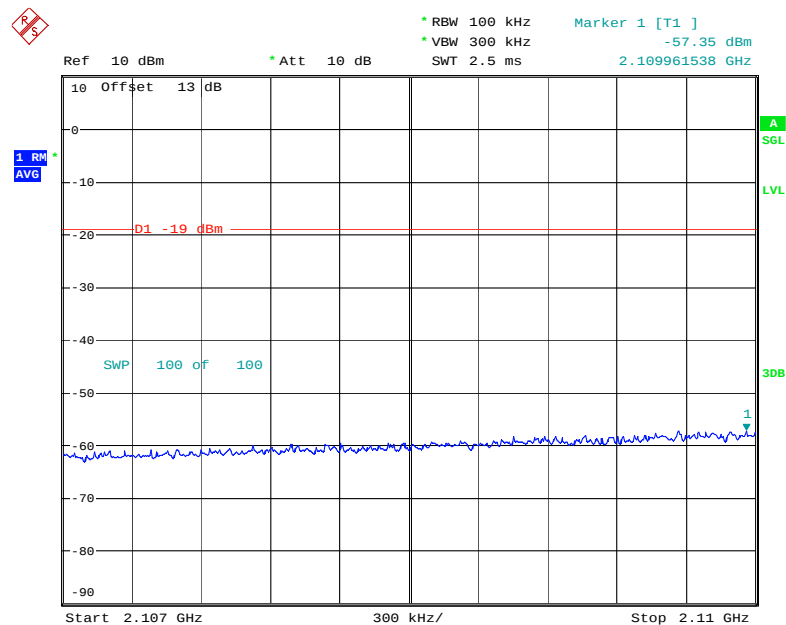
Date: 1.DEC.2022 17:22:59

PCS Band, Right Band Edge for GSM-3dB Above AGC



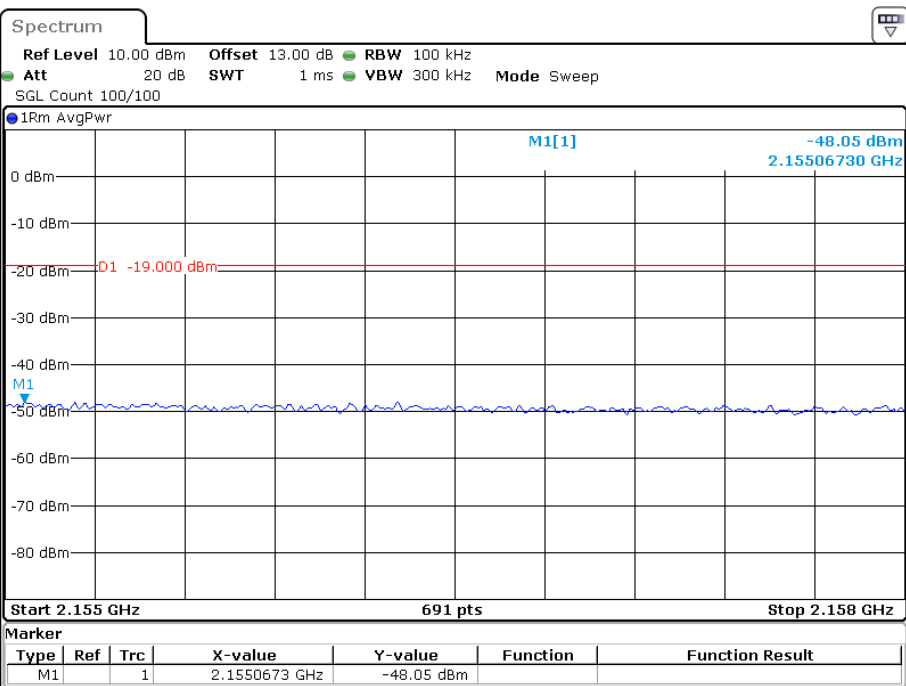
Date: 1.DEC.2022 17:23:46

AWS Band, Left Band Edge for AWGN -Pre AGC



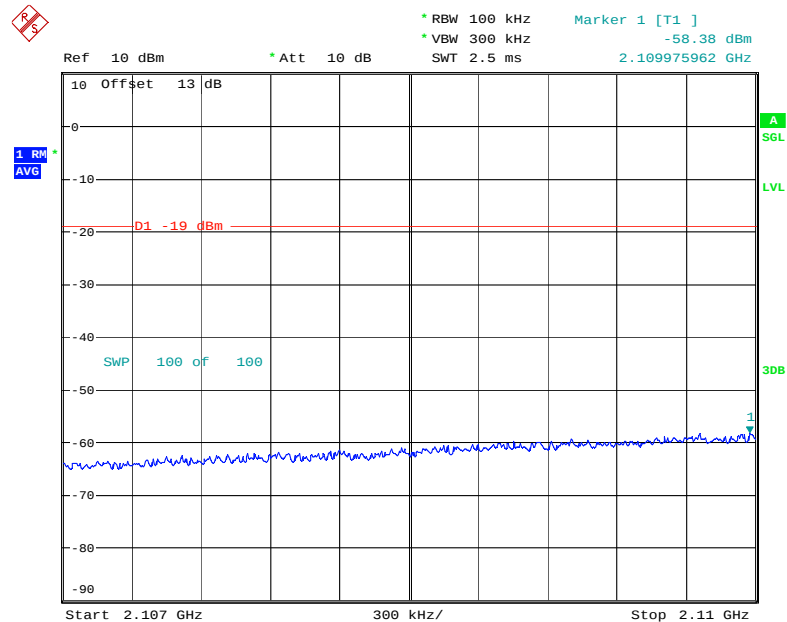
Date: 14.JAN.2023 15:36:44

AWS Band, Right Band Edge for AWGN-Pre AGC



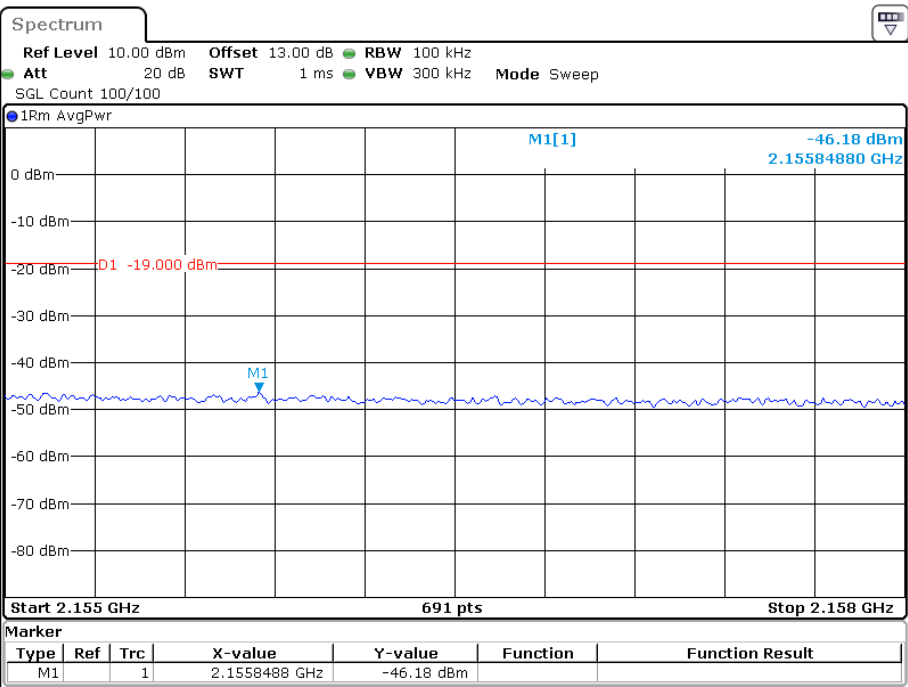
Date: 1.FEB.2023 13:41:59

AWS Band, Left Band Edge for AWGN-3dB Above AGC



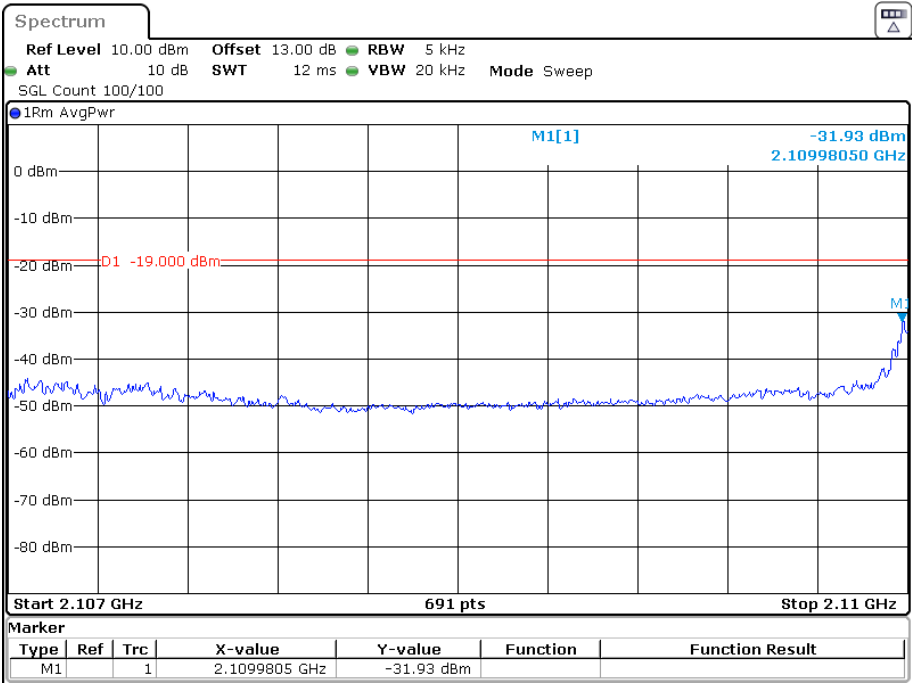
Date: 14.JAN.2023 15:36:53

AWS Band, Right Band Edge for AWGN-3dB Above AGC



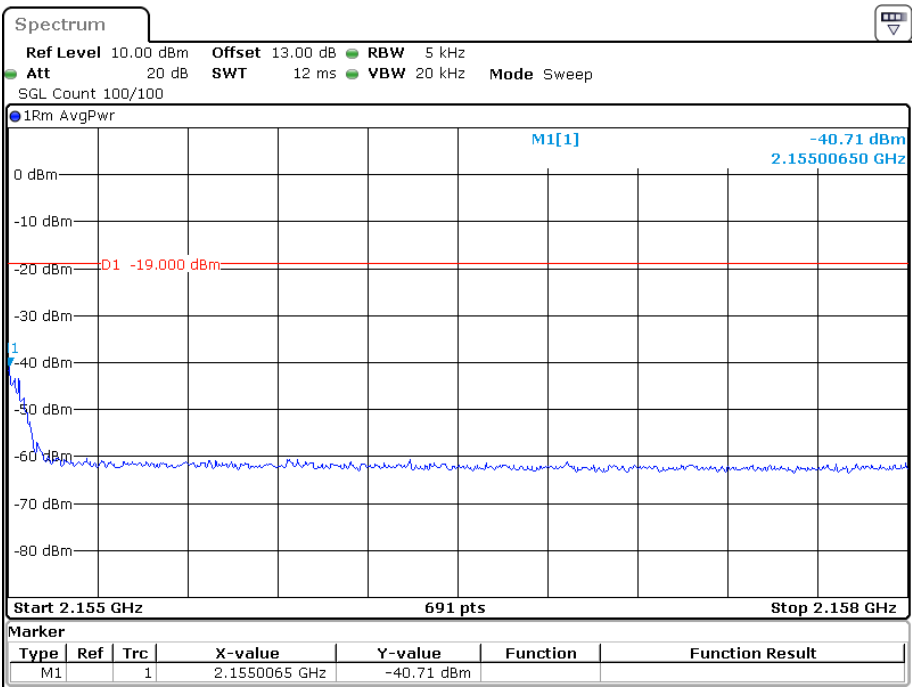
Date: 1.FEB.2023 13:42:08

AWS Band, Left Band Edge for GSM-Pre AGC



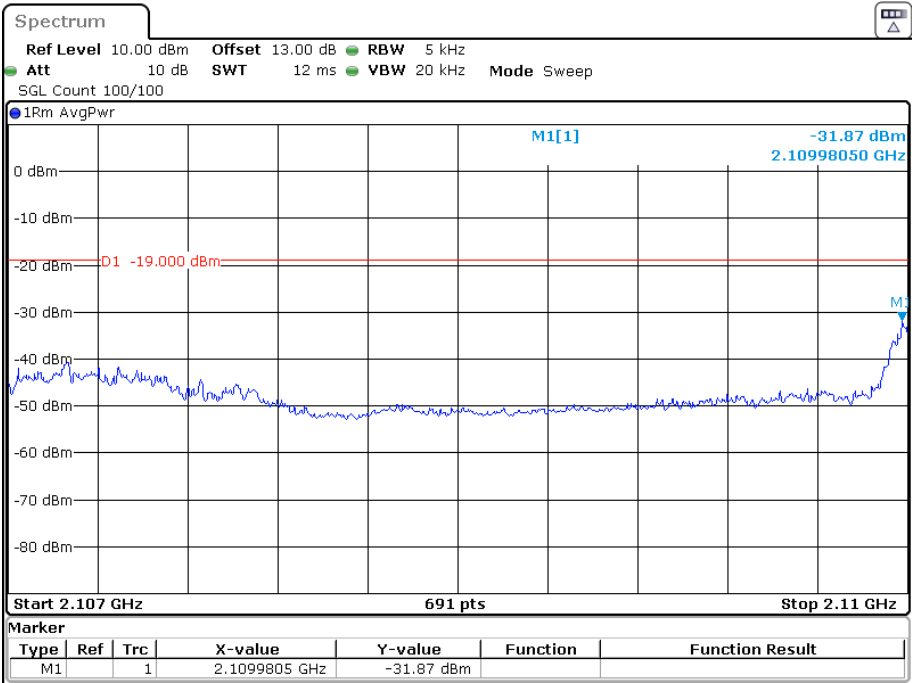
Date: 1.DEC.2022 17:24:52

AWS Band, Right Band Edge for GSM-Pre AGC



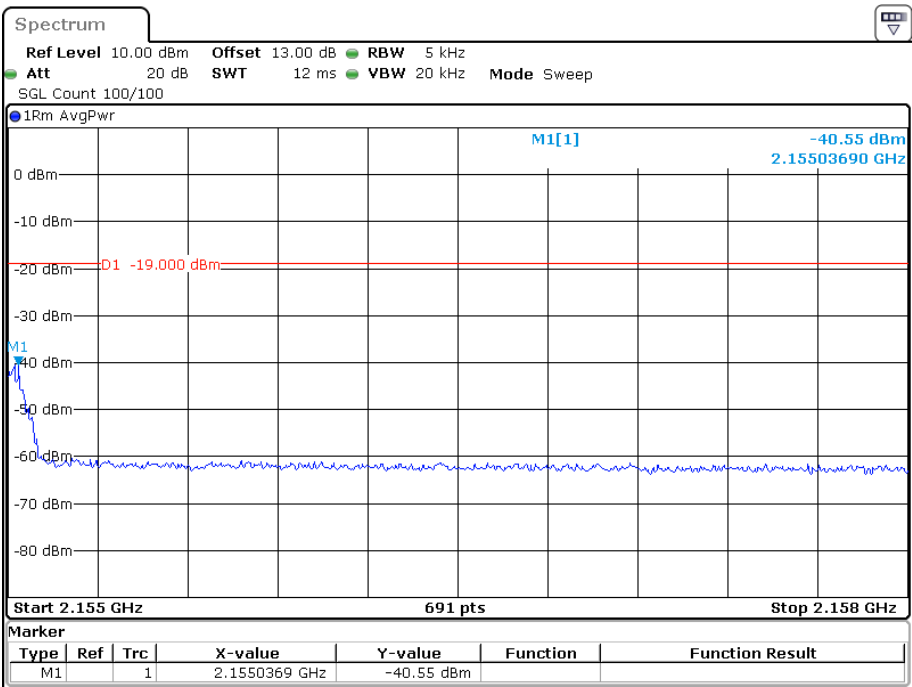
Date: 1.FEB.2023 13:41:32

AWS Band, Left Band Edge for GSM-3dB Above AGC

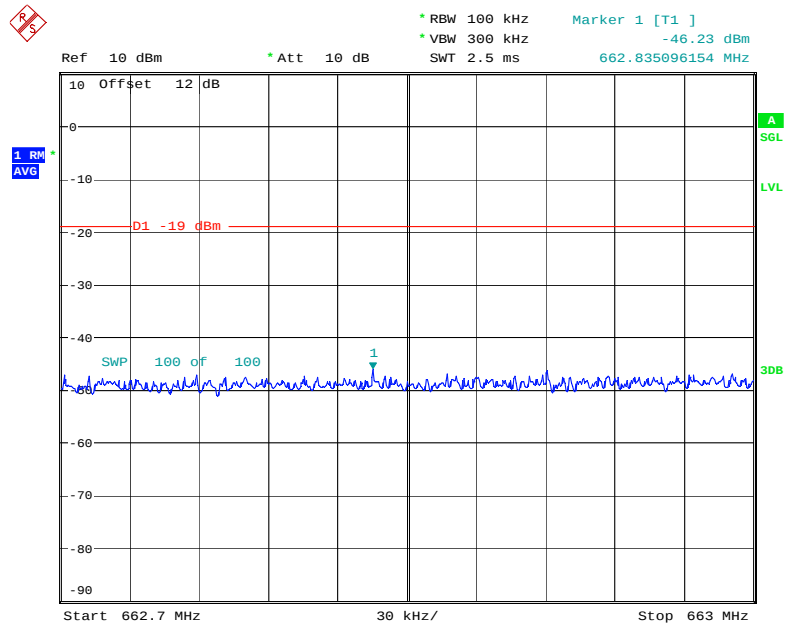


Date: 1.DEC.2022 17:25:01

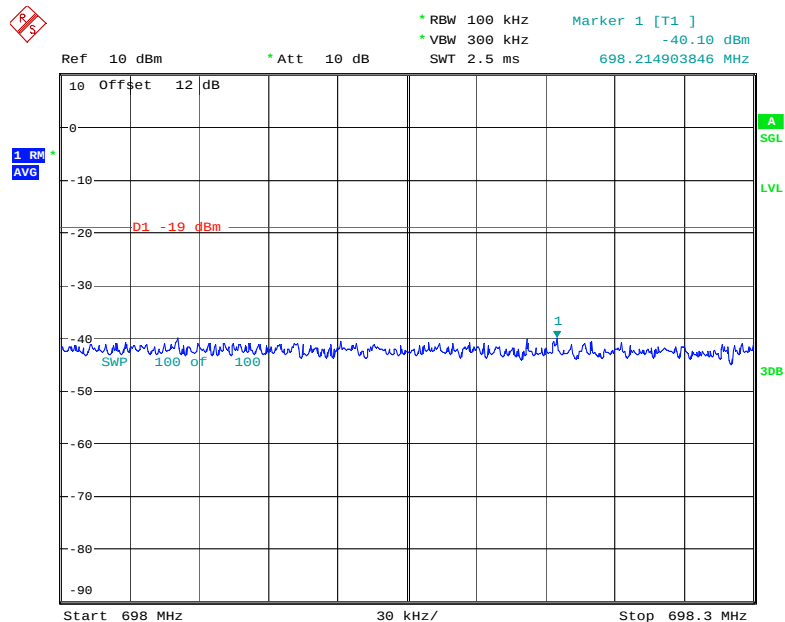
AWS Band, Right Band Edge for GSM-3dB Above AGC



Date: 1.FEB.2023 13:41:45

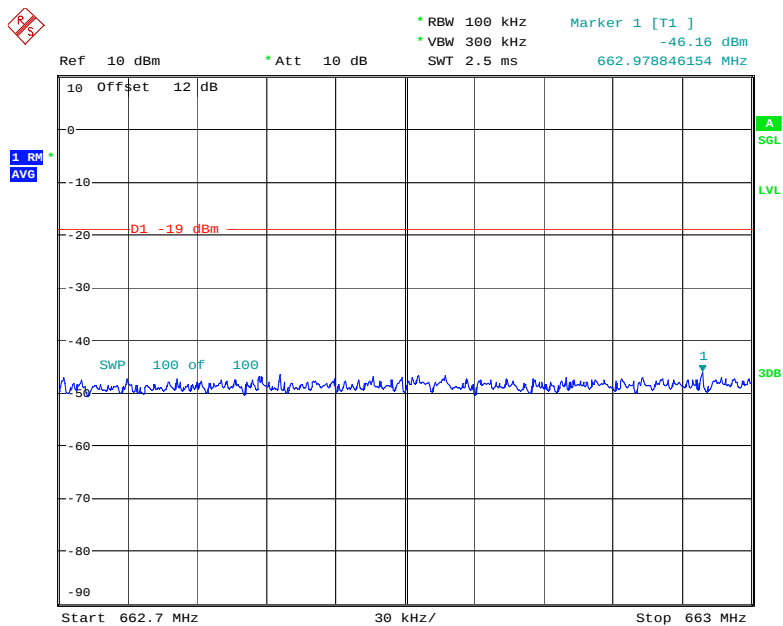
**Inter-Modulation(two signal)
Uplink:****600MHz Band Left Band Edge for AWGN-Pre AGC**

Date: 14.JAN.2023 16:05:56

600MHz Band, Right Band Edge for AWGN-Pre AGC

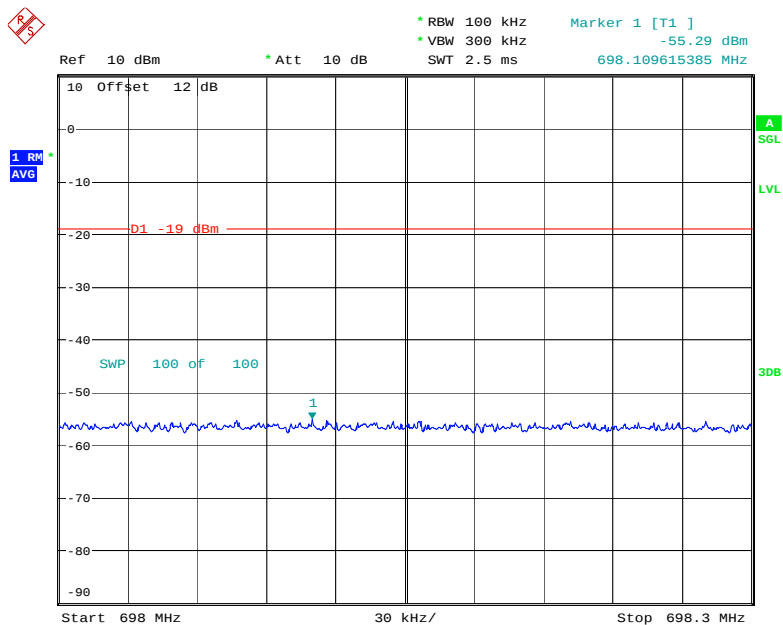
Date: 14.JAN.2023 16:06:14

600MHz Band, Left Band Edge for AWGN-3dB Above AGC



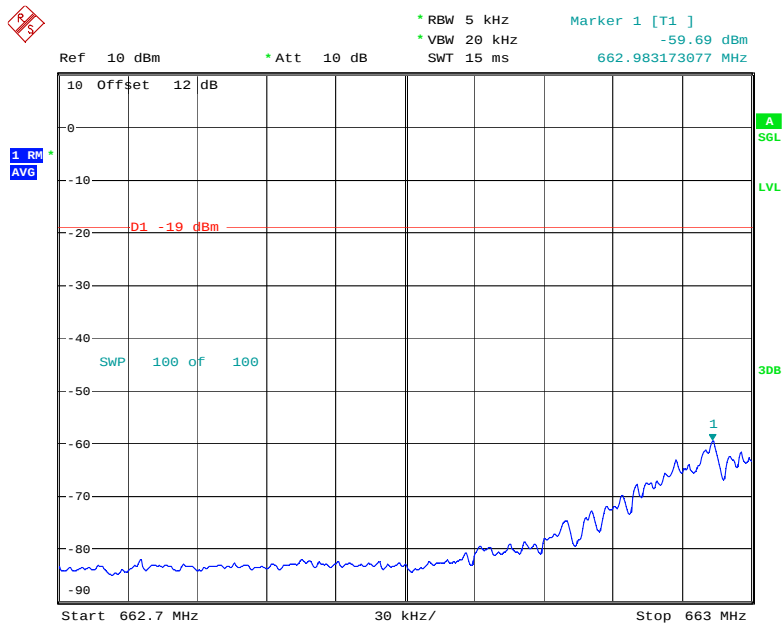
Date: 14.JAN.2023 16:06:05

600MHz Band, Right Band Edge for AWGN-3dB Above AGC



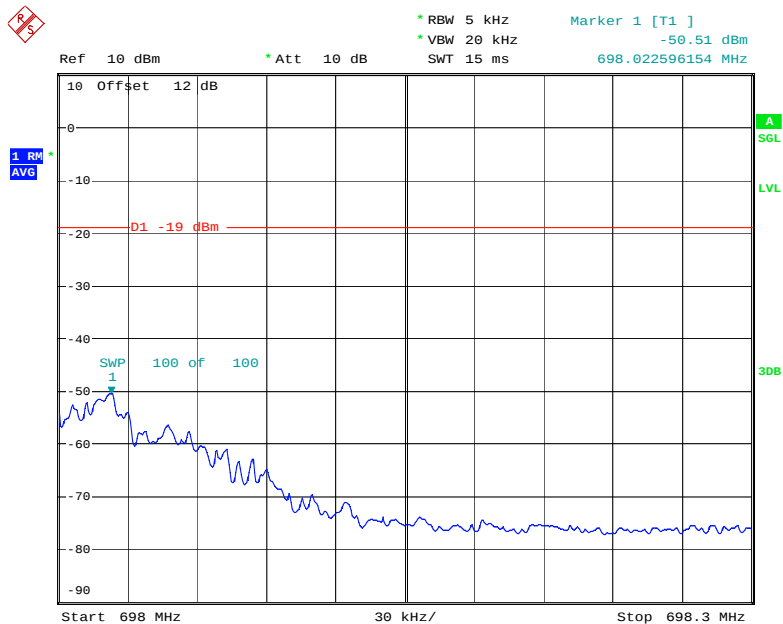
Date: 14.JAN.2023 16:06:23

600MHz Band Left Band Edge for GSM-Pre AGC



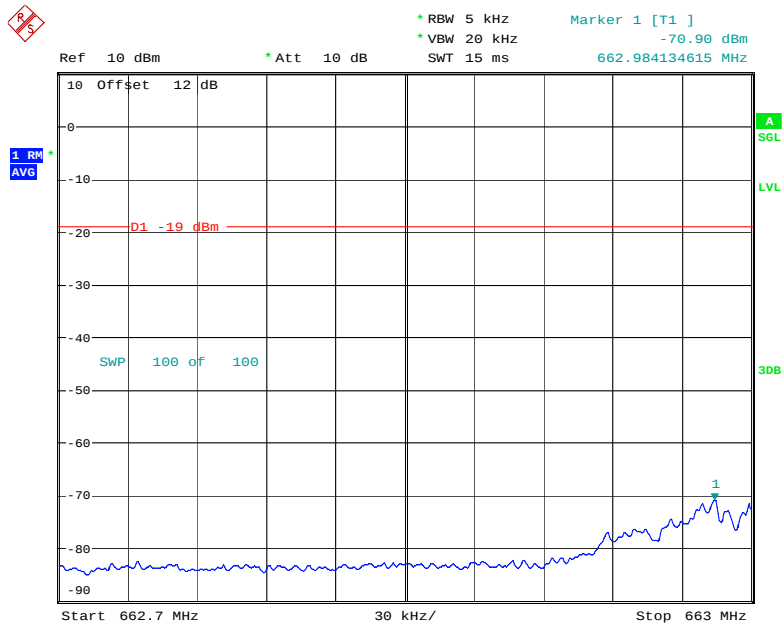
Date: 14.JAN.2023 16:09:42

600MHz Band, Right Band Edge for GSM-Pre AGC



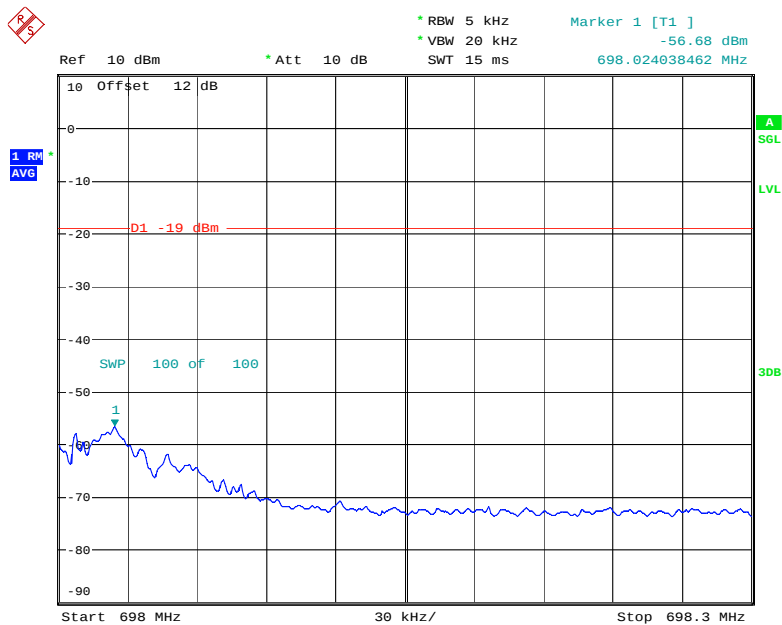
Date: 14.JAN.2023 16:10:04

600MHz Band, Left Band Edge for GSM-3dB Above AGC



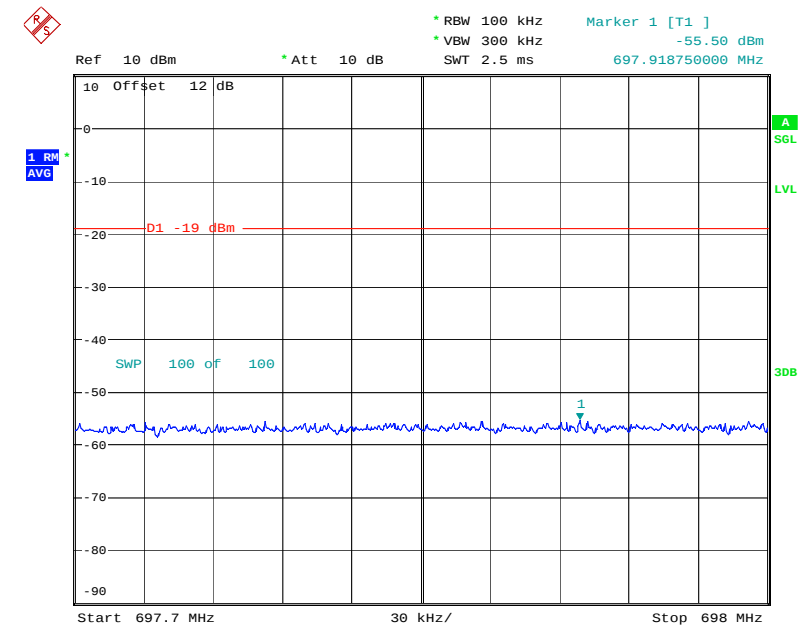
Date: 14.JAN.2023 16:09:52

600MHz Band, Right Band Edge for GSM 3dB Above AGC



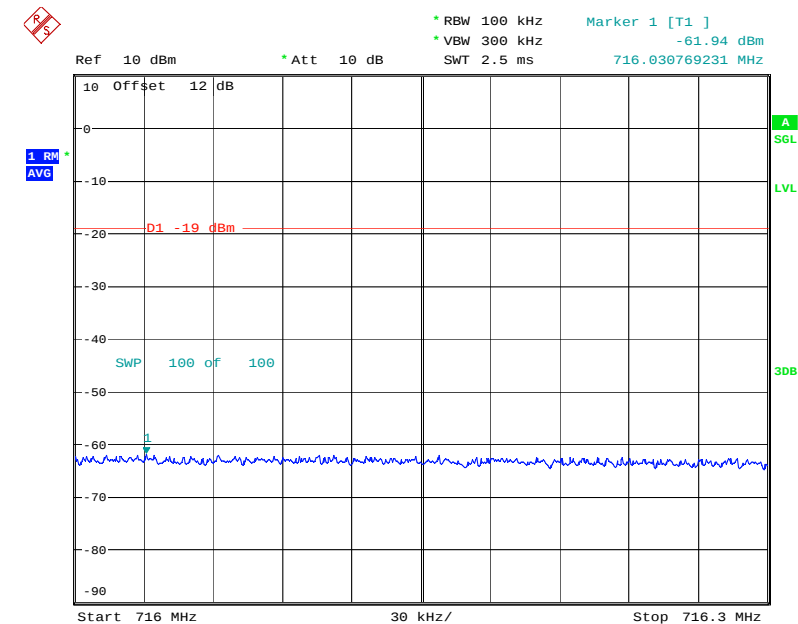
Date: 14.JAN.2023 16:10:17

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC



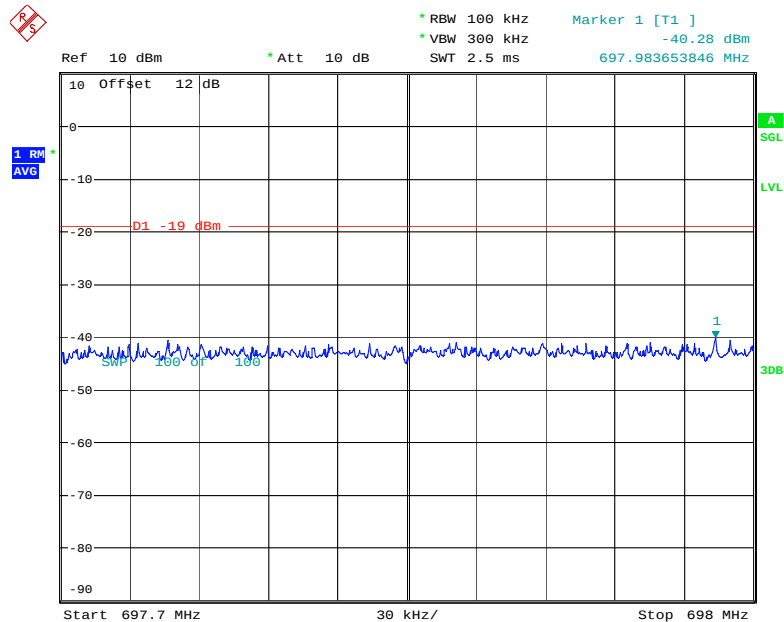
Date: 14.JAN.2023 16:06:32

Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC



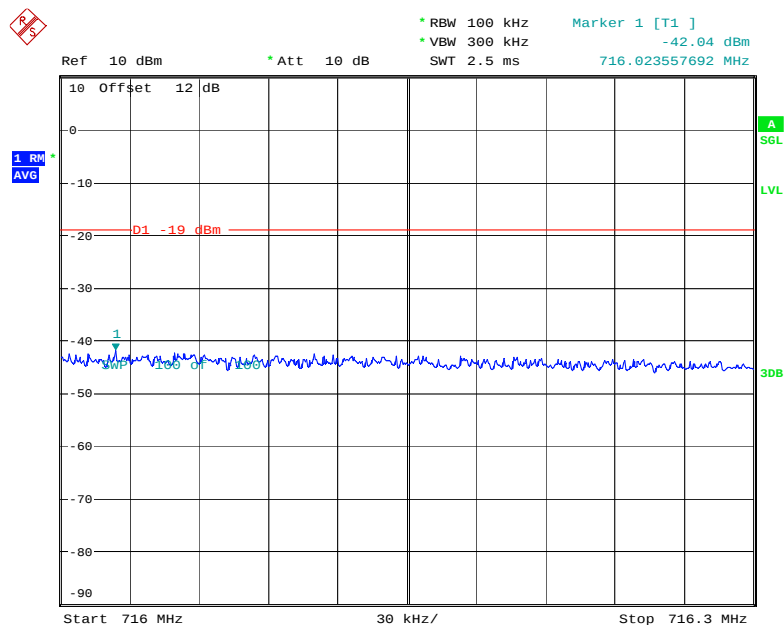
Date: 14.JAN.2023 16:06:51

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-3dB Above AGC

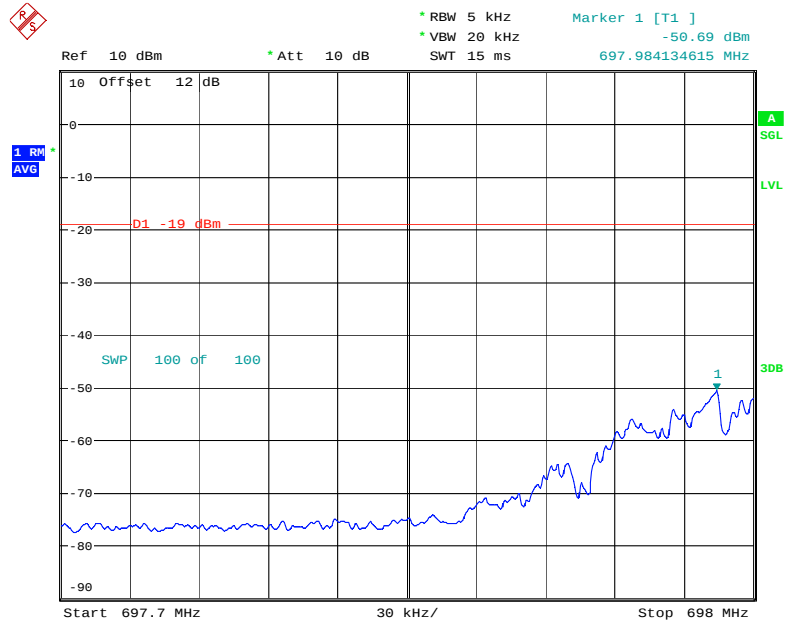


Date: 14. JAN. 2023 16:06:42

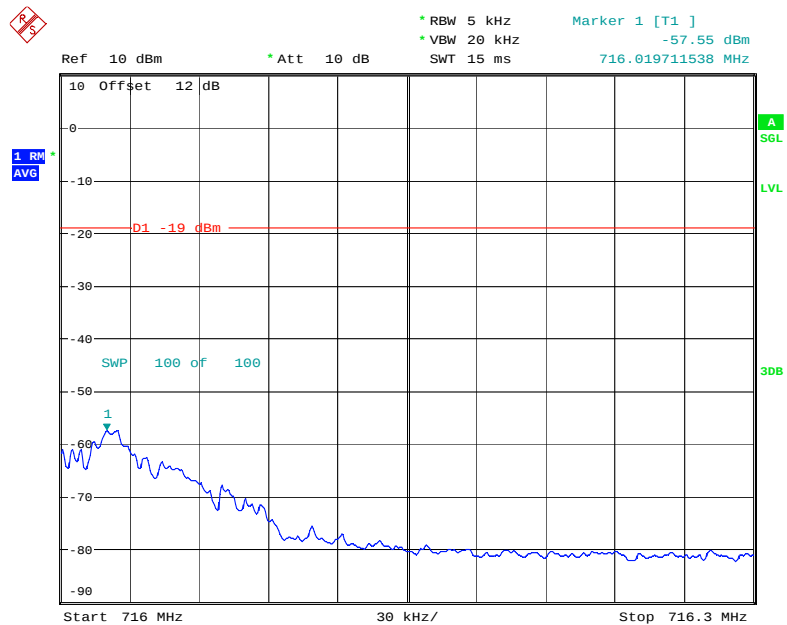
Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-3dB Above AGC



Date: 14. JAN. 2023 16:06:59

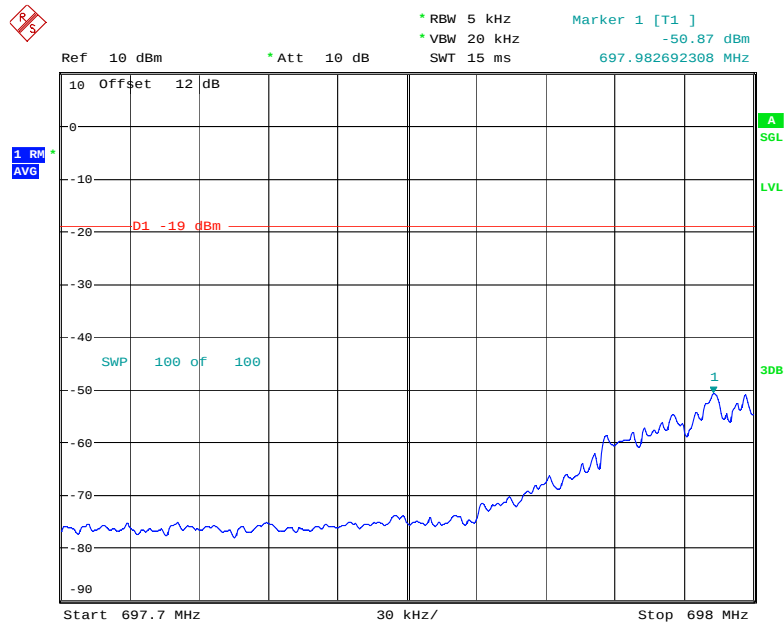
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC

Date: 14.JAN.2023 16:10:27

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC

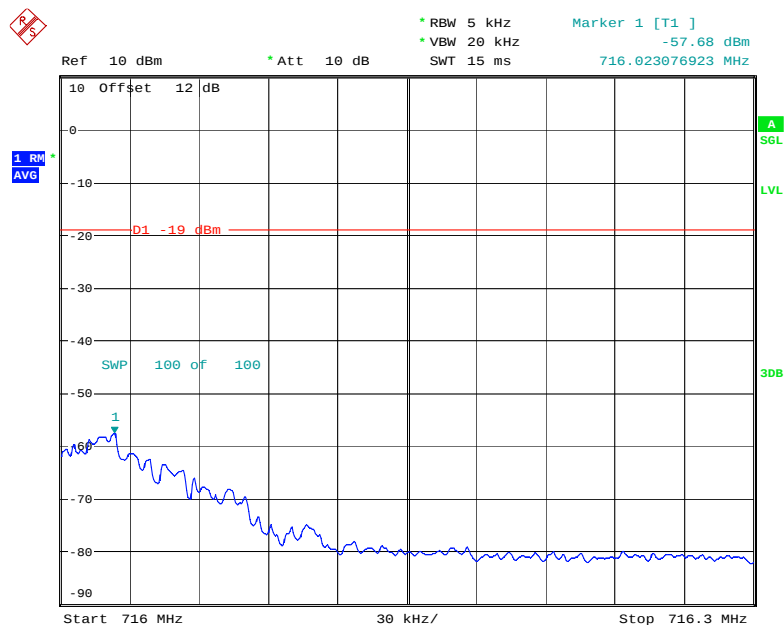
Date: 14.JAN.2023 16:10:45

Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-3dB Above AGC



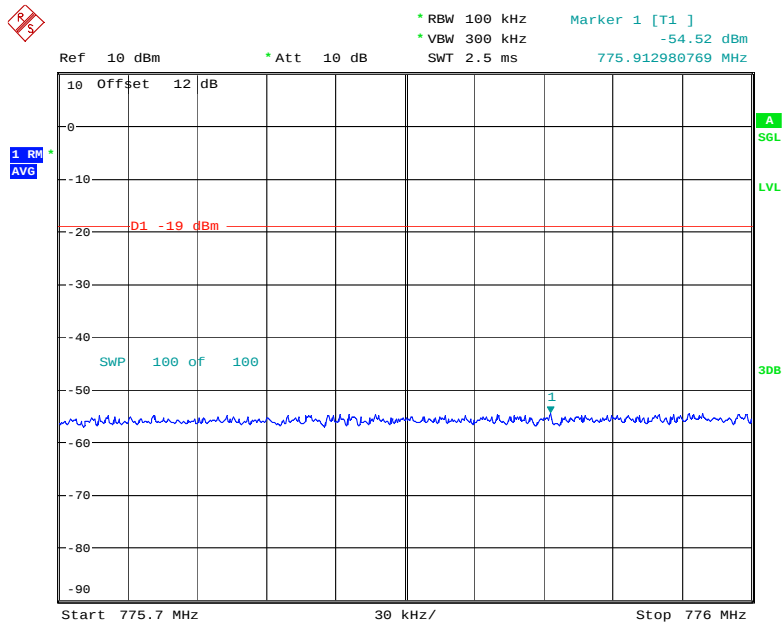
Date: 14.JAN.2023 16:10:35

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-3dB Above AGC



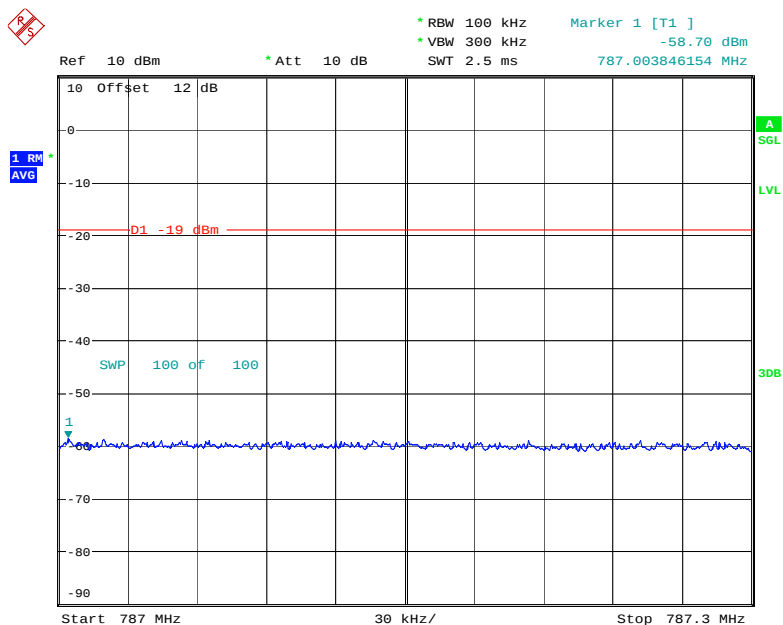
Date: 14.JAN.2023 16:10:56

Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC

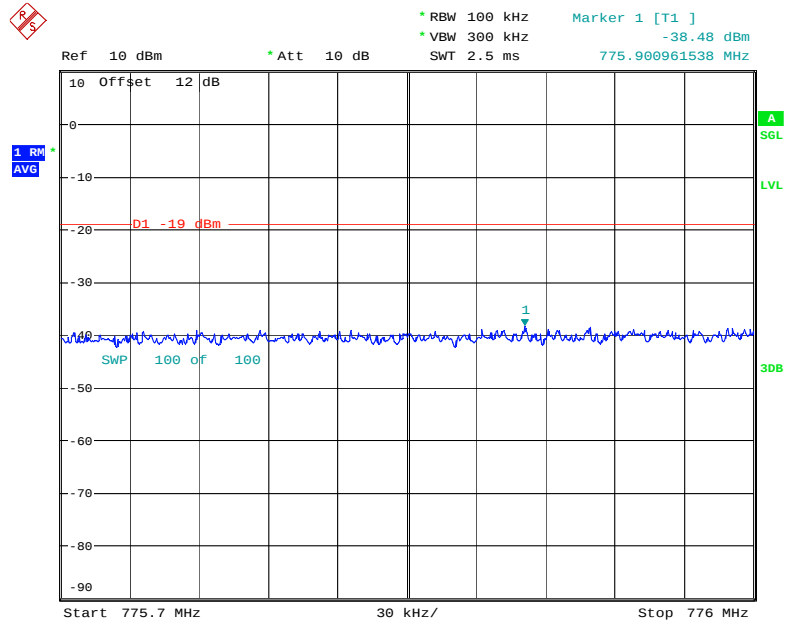


Date: 14.JAN.2023 16:07:07

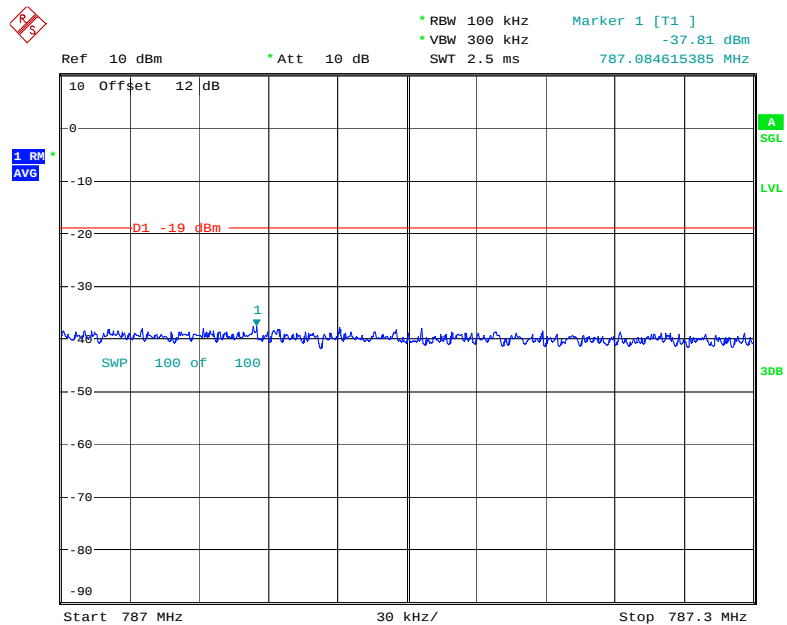
Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC



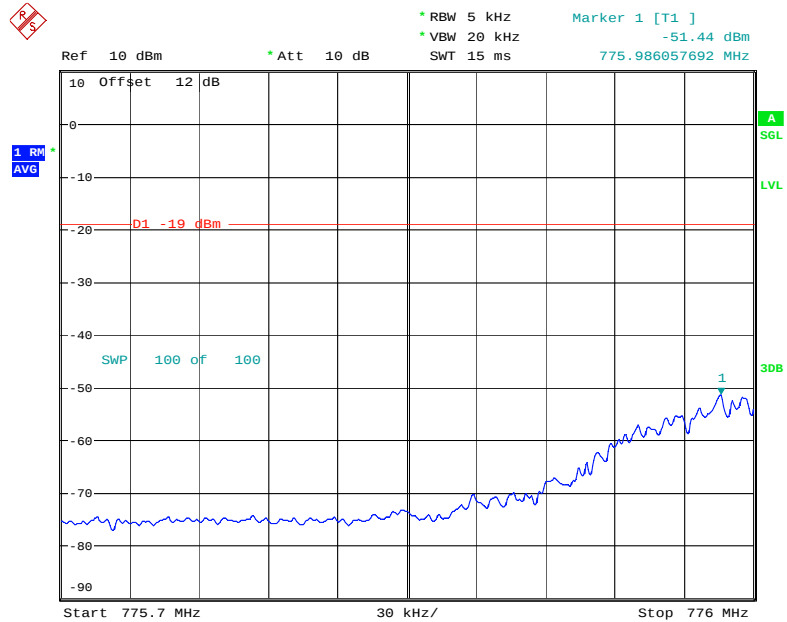
Date: 14.JAN.2023 16:07:25

Upper 700MHz (C Block)Band, Left Band Edge for AWGN-3dB Above AGC

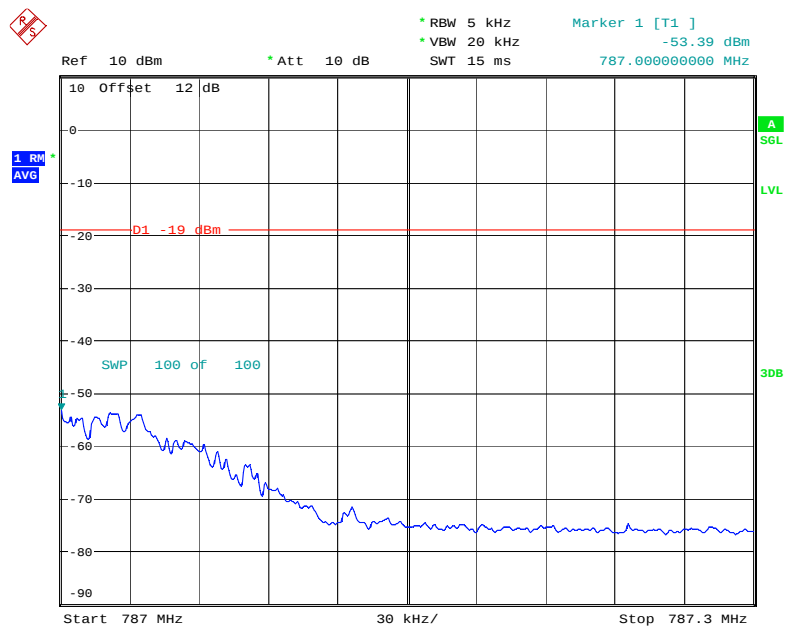
Date: 14.JAN.2023 16:07:16

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC

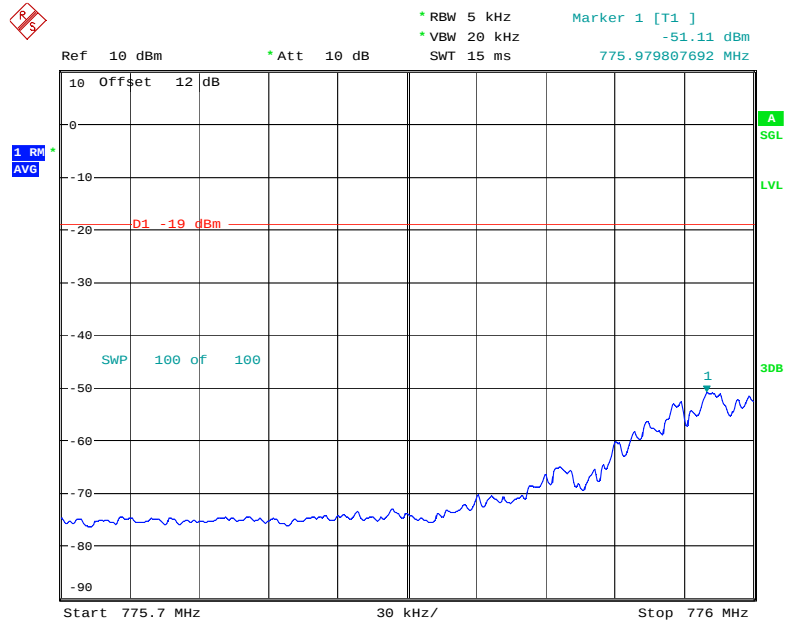
Date: 14.JAN.2023 16:07:35

Upper 700MHz (C Block) Band, Left Band Edge for GSM-Pre AGC

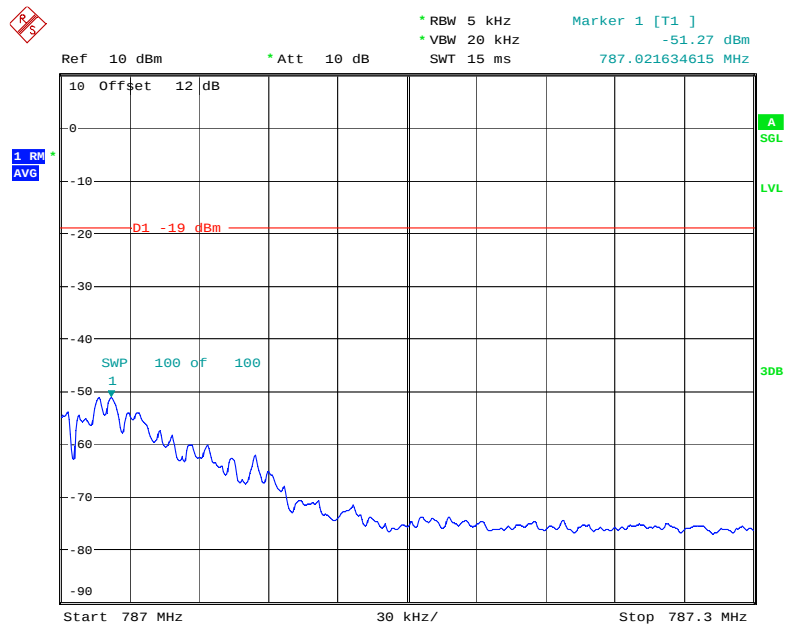
Date: 14.JAN.2023 16:11:04

Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC

Date: 14.JAN.2023 16:11:25

Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC

Date: 14.JAN.2023 16:11:14

Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC

Date: 14.JAN.2023 16:11:33

Ref 10 dBm * Att 10 dB * RBW 100 kHz * VBW 300 kHz * SWT 2.5 ms

Marker 1 [T1] -58.74 dBm 823.933173077 MHz

10 Offset 12 dB

1 RM AVG

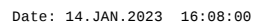
D1 -19 dBm

SWP 100 of 100

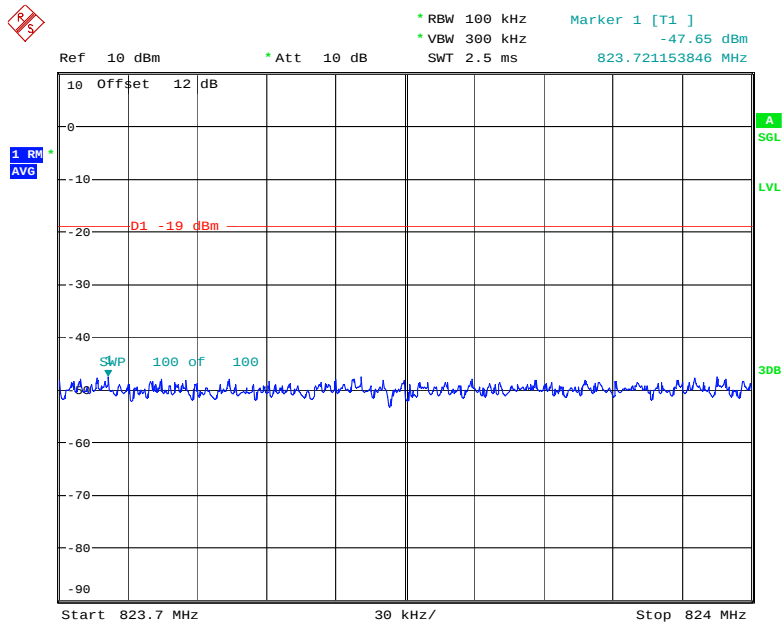
1

Start 823.7 MHz 30 kHz/ Stop 824 MHz

Cellular Band, Right Band Edge for AWGN-Pre AGC

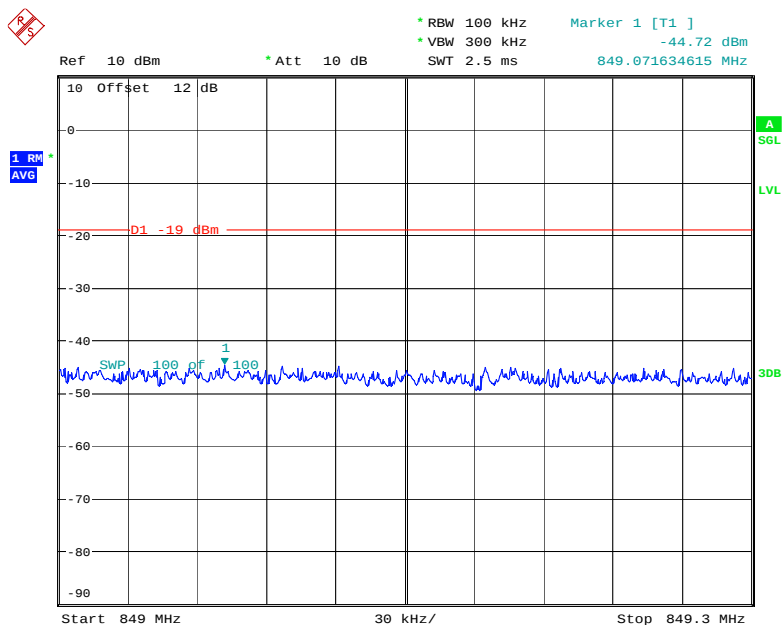


Cellular Band, Left Band Edge for AWGN-3dB Above AGC



Date: 14.JAN.2023 16:07:51

Cellular Band, Right Band Edge for AWGN-3dB Above AGC



Date: 14.JAN.2023 16:08:09

Ref 10 dBm * Att 10 dB * RBW 5 kHz Marker 1 [T1] -53.63 dBm
 * VBW 20 kHz SWT 15 ms 823.984615385 MHz

10 Offset 12 dB

0

-10

-20 D1 -19 dBm

-30

-40

SWP 100 of 100

-50

-60

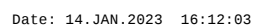
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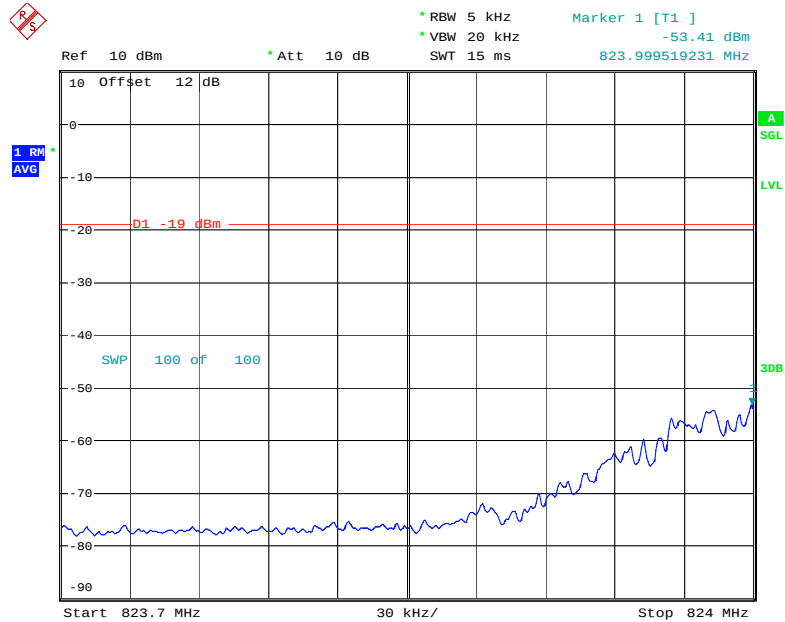
-80

-90

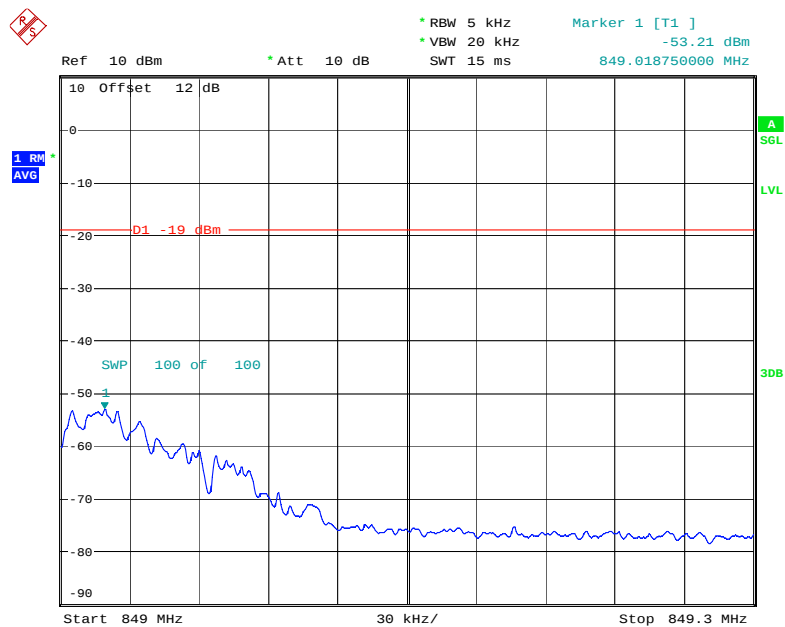
Start 823.7 MHz 30 kHz/ Stop 824 MHz

Cellular Band, Right Band Edge for GSM-Pre AGC



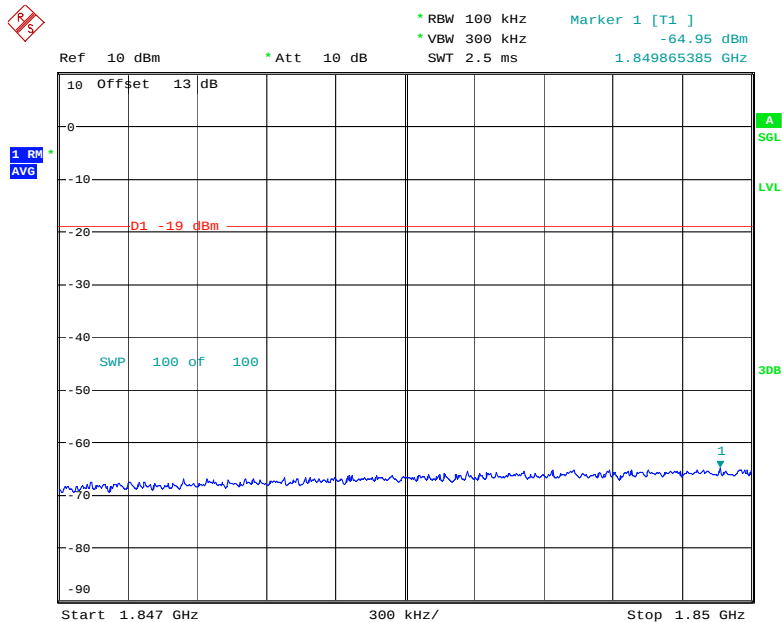
Cellular Band, Left Band Edge for GSM-3dB Above AGC

Date: 14.JAN.2023 16:11:54

Cellular Band, Right Band Edge for GSM-3dB Above AGC

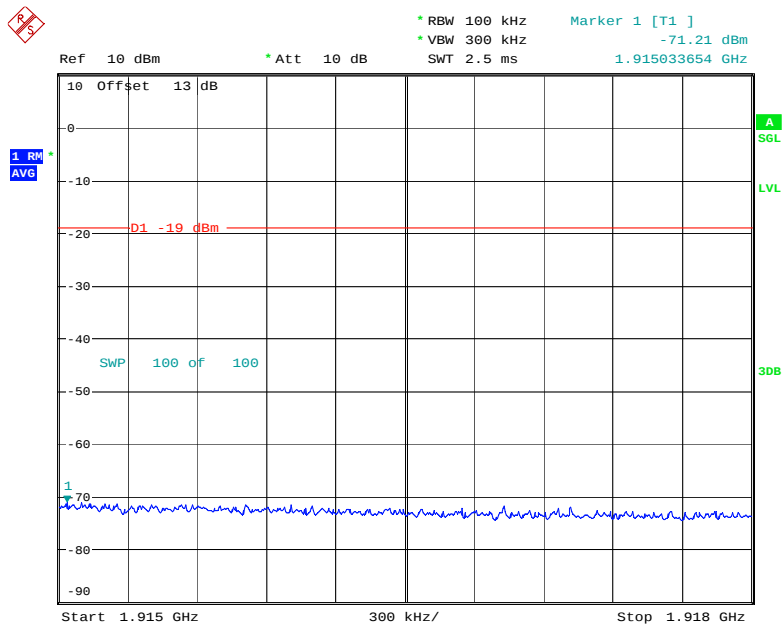
Date: 14.JAN.2023 16:12:12

PCS Band, Left Band Edge for AWGN-Pre AGC

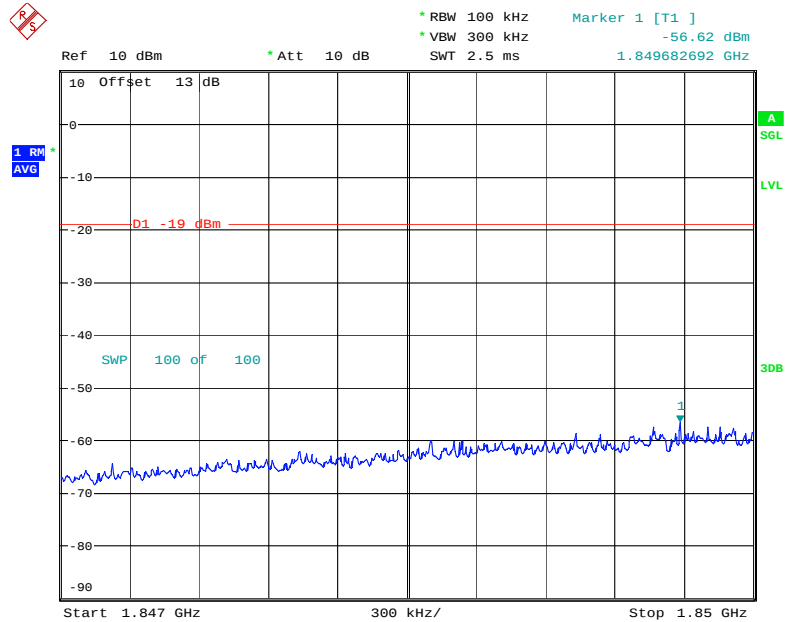


Date: 14.JAN.2023 16:08:19

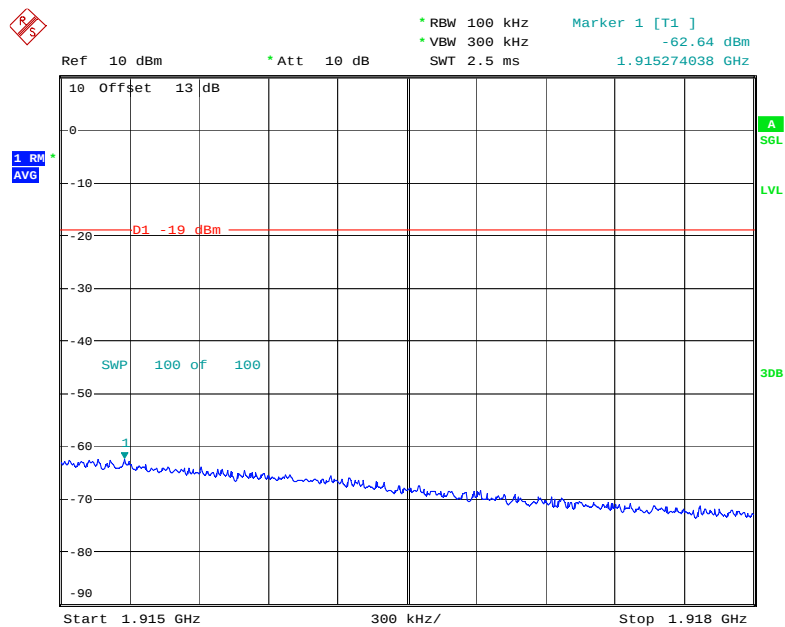
PCS Band, Right Band Edge for AWGN-Pre AGC



Date: 14.JAN.2023 16:08:35

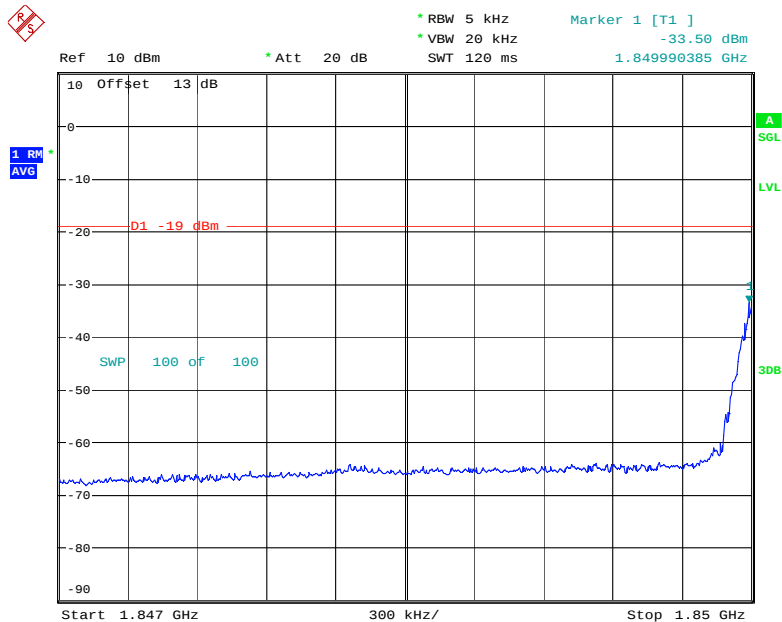
PCS Band, Left Band Edge for AWGN-3dB Above AGC

Date: 14.JAN.2023 16:08:27

PCS Band, Right Band Edge for AWGN-3dB Above AGC

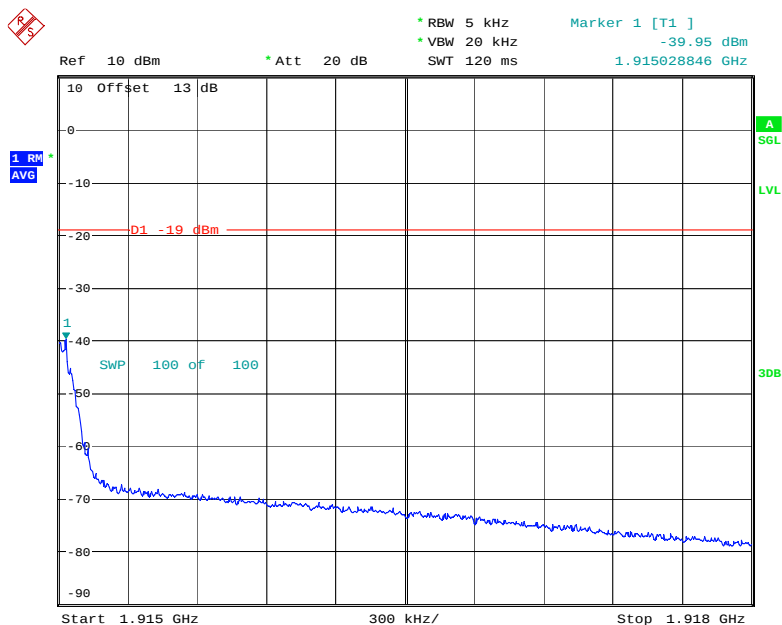
Date: 14.JAN.2023 16:08:44

PCS Band, Left Band Edge for GSM-Pre AGC

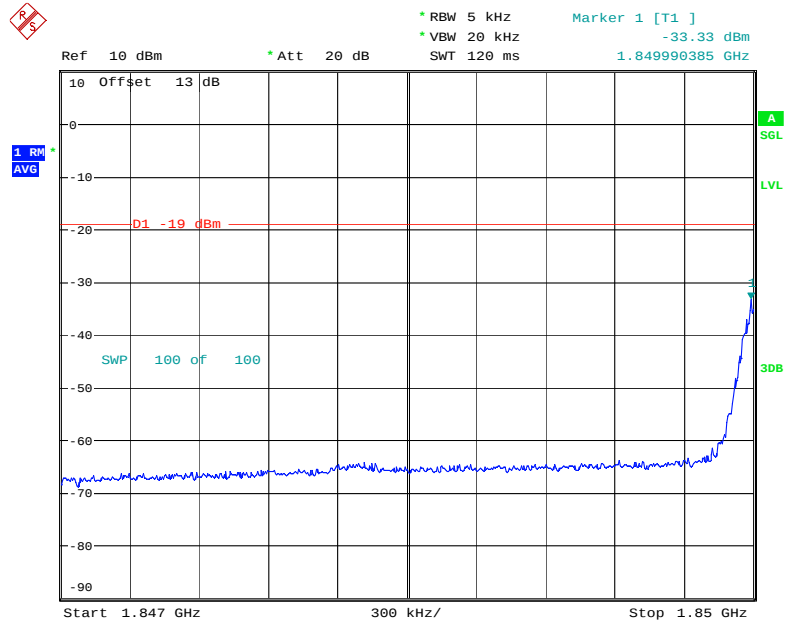


Date: 17. JAN. 2023 13:43:42

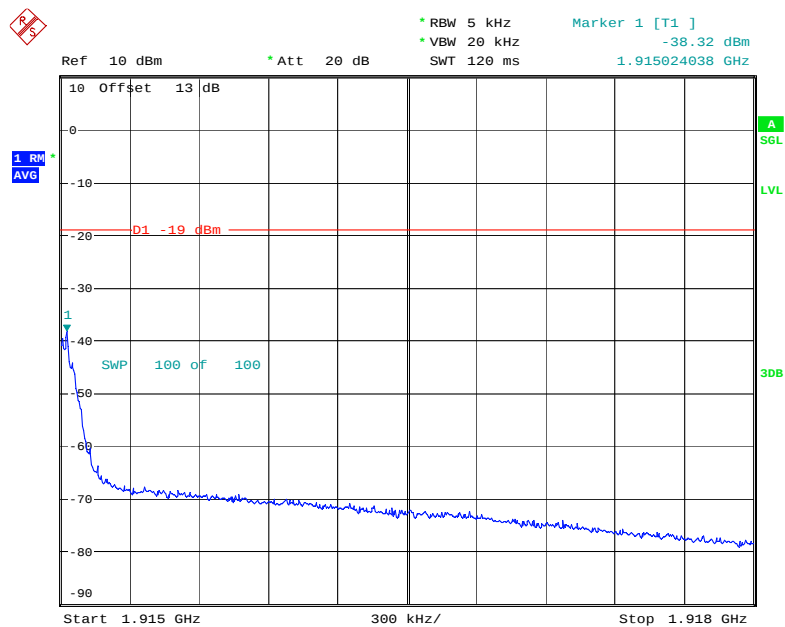
PCS Band, Right Band Edge for GSM-Pre AGC



Date: 17. JAN. 2023 13:44:25

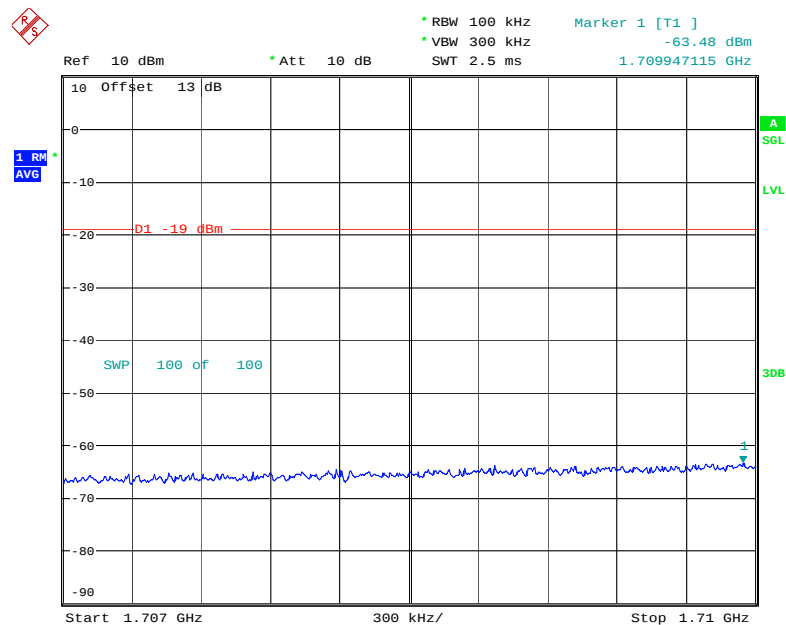
PCS Band, Left Band Edge for GSM-3dB Above AGC

Date: 17.JAN.2023 13:44:03

PCS Band, Right Band Edge for GSM-3dB Above AGC

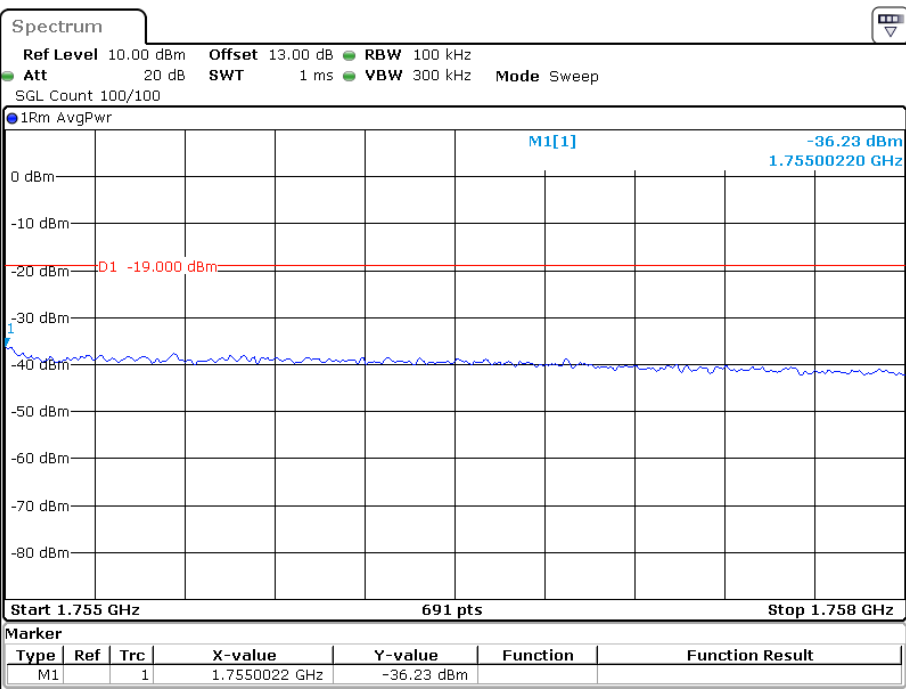
Date: 17.JAN.2023 13:44:48

AWS Band, Left Band Edge for AWGN -Pre AGC



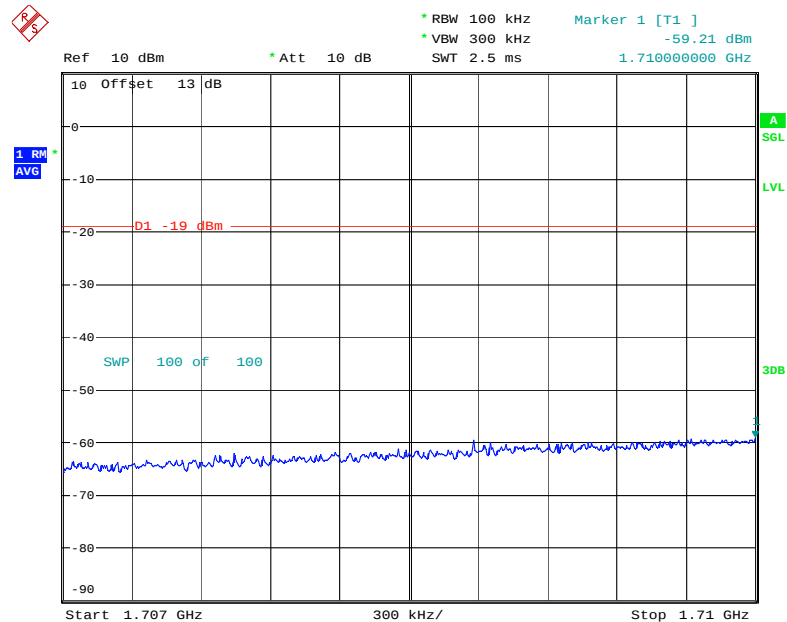
Date: 14.JAN.2023 16:08:54

AWS Band, Right Band Edge for AWGN-Pre AGC



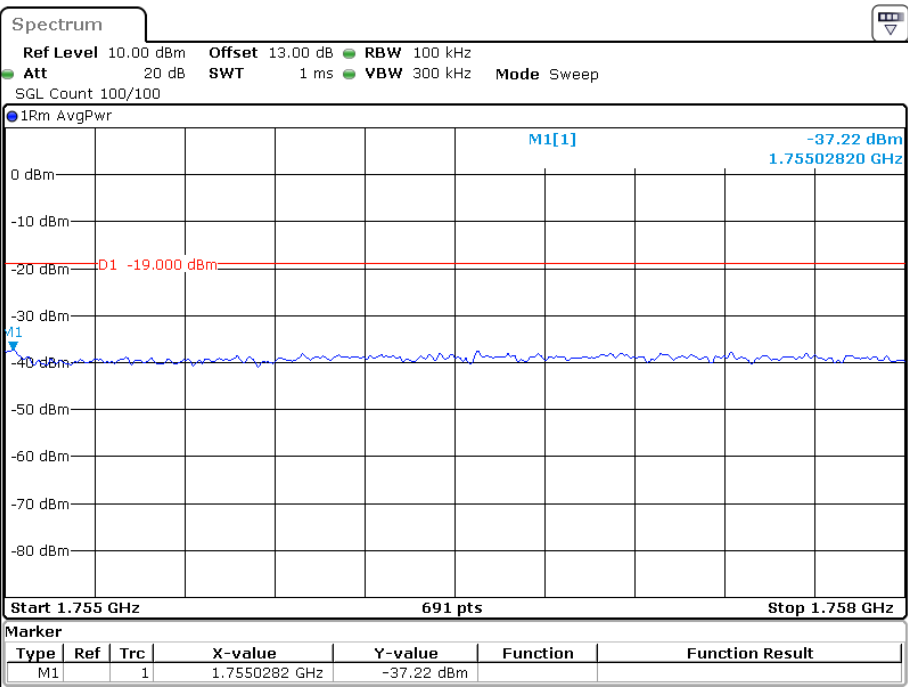
Date: 1.FEB.2023 11:56:10

AWS Band, Left Band Edge for AWGN-3dB Above AGC



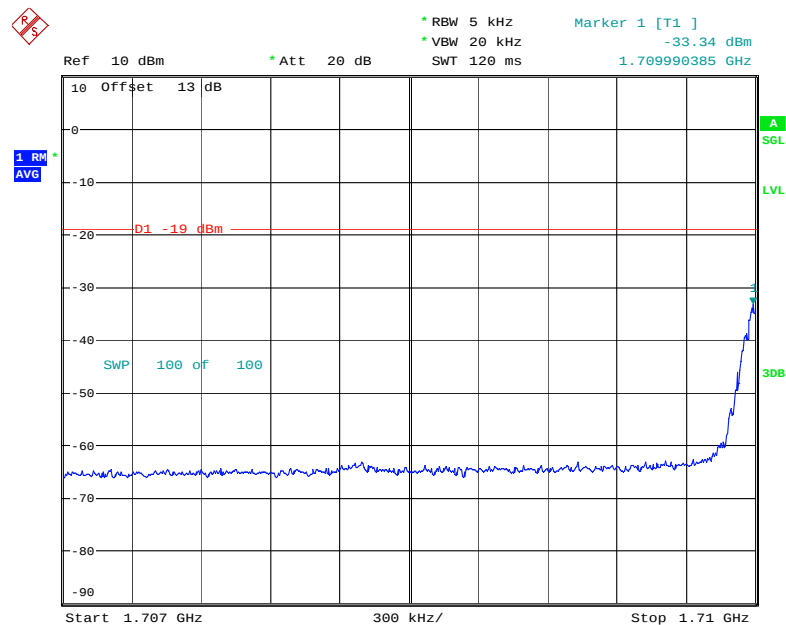
Date: 14.JAN.2023 16:09:01

AWS Band, Right Band Edge for AWGN-3dB Above AGC



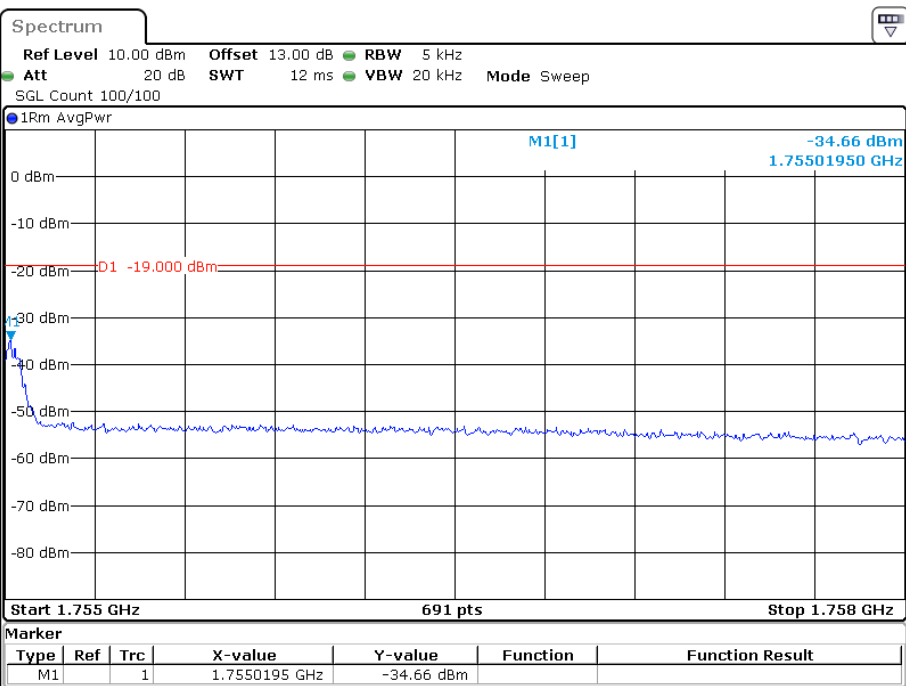
Date: 1.FEB.2023 11:56:31

AWS Band, Left Band Edge for GSM-Pre AGC



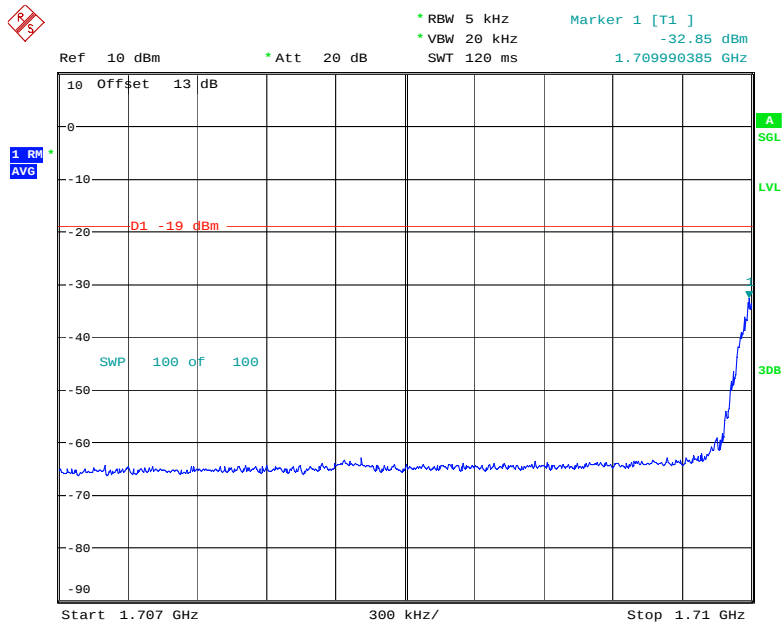
Date: 17.JAN.2023 13:45:11

AWS Band, Right Band Edge for GSM-Pre AGC



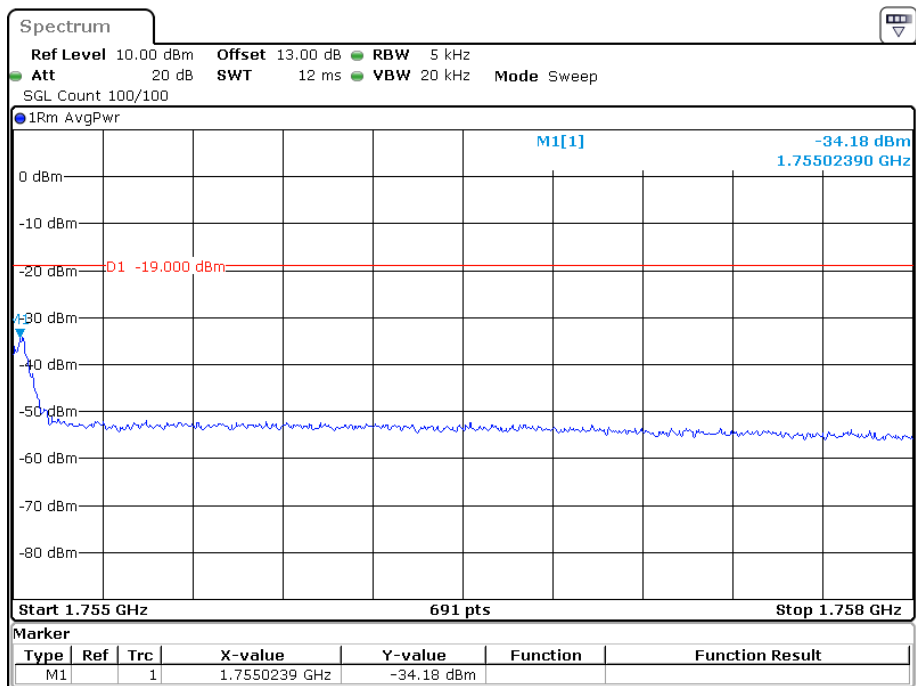
Date: 1.FEB.2023 11:55:15

AWS Band, Left Band Edge for GSM-3dB Above AGC



Date: 17.JAN.2023 13:45:32

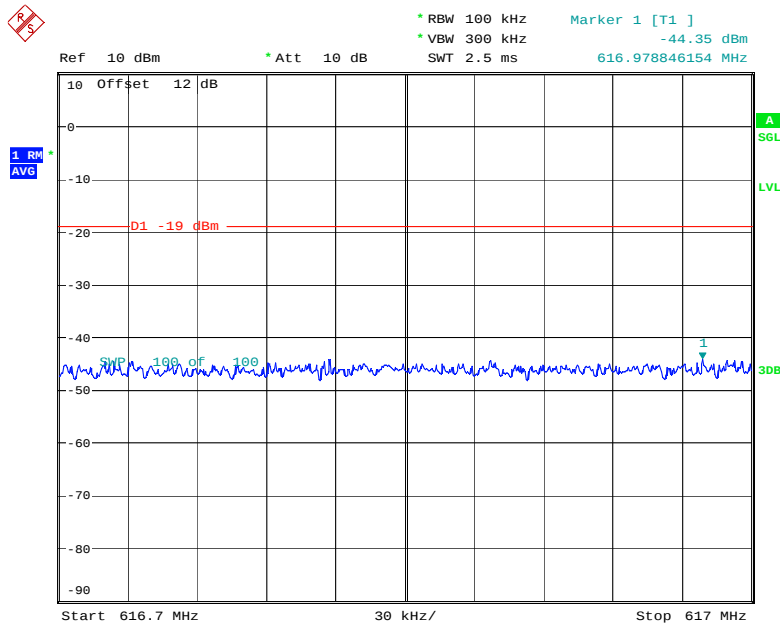
AWS Band, Right Band Edge for GSM-3dB Above AGC



Date: 1.FEB.2023 11:55:38

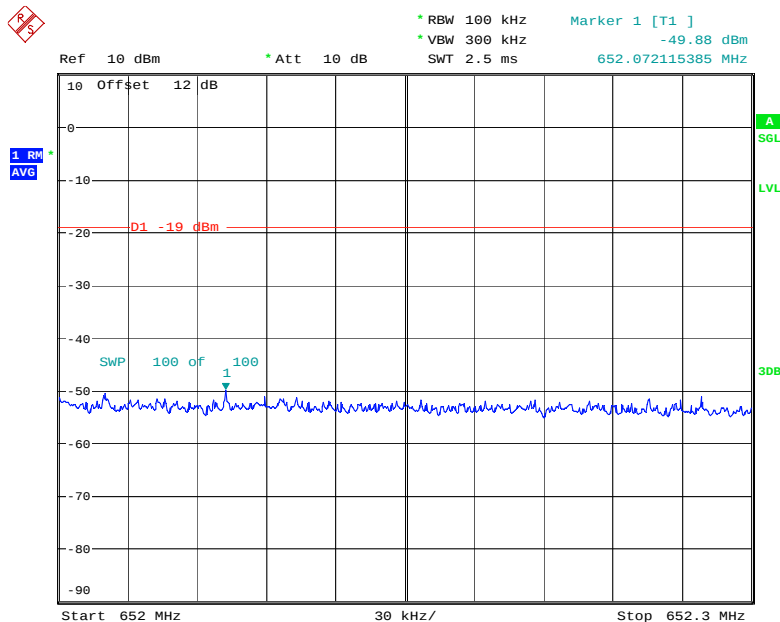
Downlink:

600MHz Band Left Band Edge for AWGN-Pre AGC



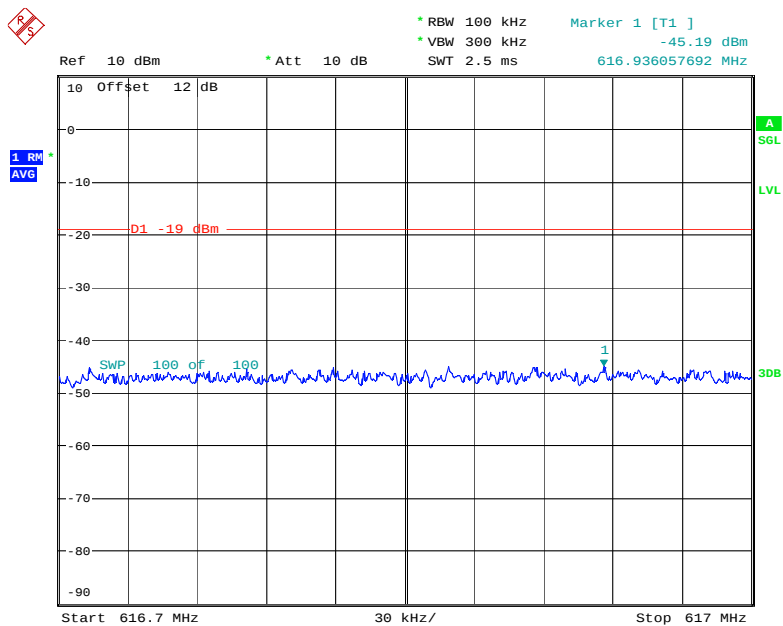
Date: 14.JAN.2023 15:41:26

600MHz Band, Right Band Edge for AWGN-Pre AGC



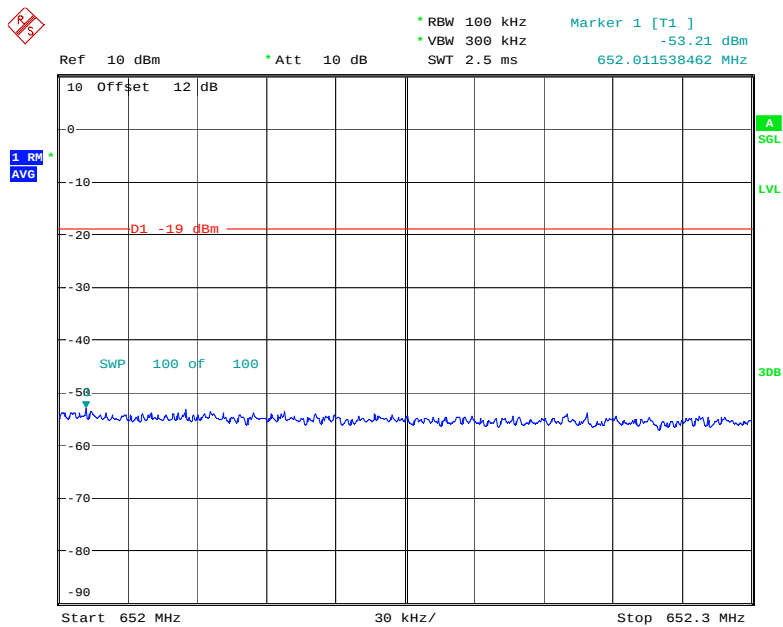
Date: 14.JAN.2023 15:41:43

600MHz Band, Left Band Edge for AWGN-3dB Above AGC



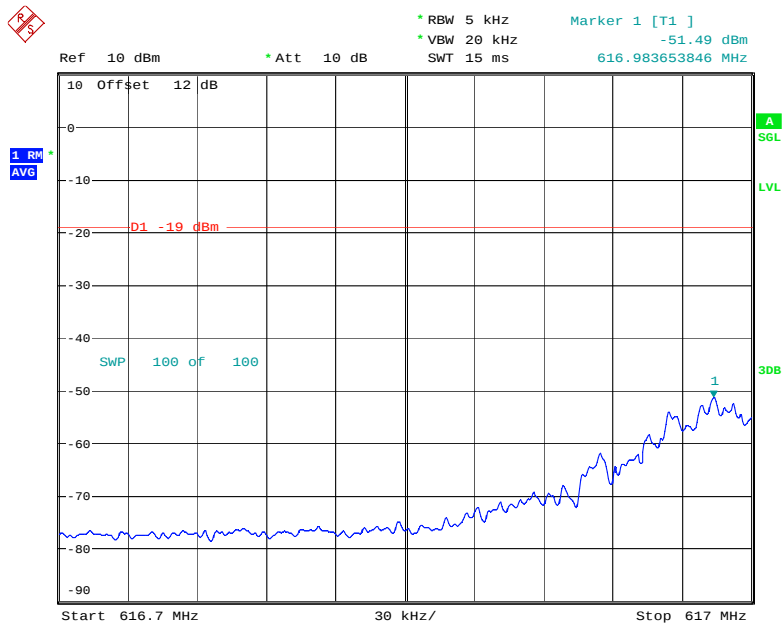
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600MHz Band, Right Band Edge for AWGN-3dB Above AGC



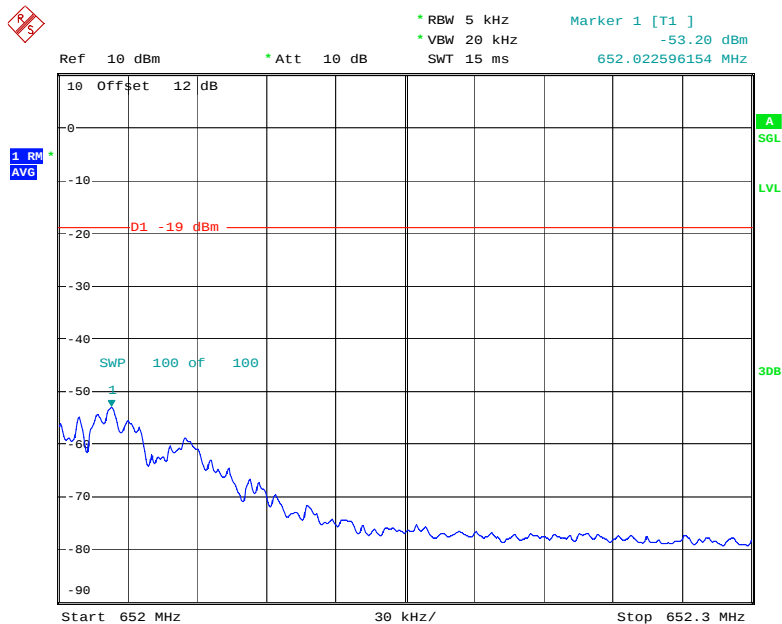
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600MHz Band Left Band Edge for GSM-Pre AGC



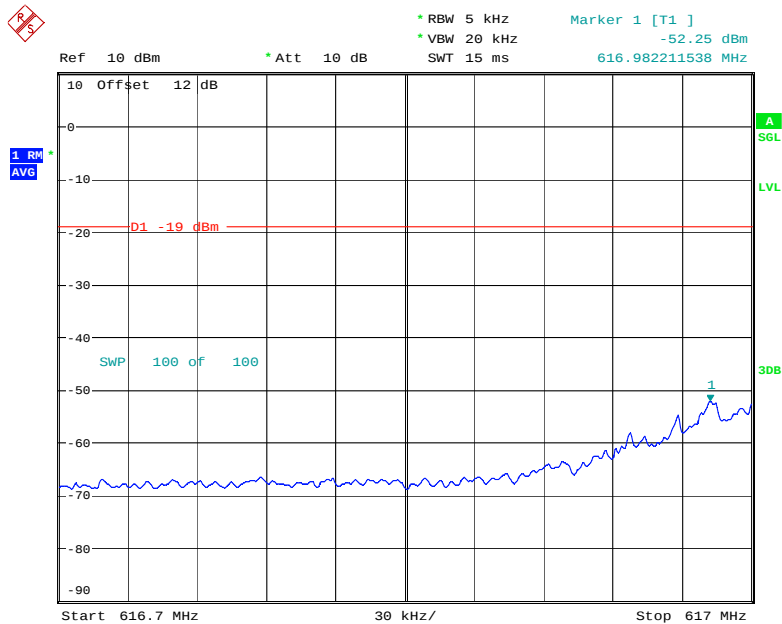
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600MHz Band, Right Band Edge for GSM-Pre AGC



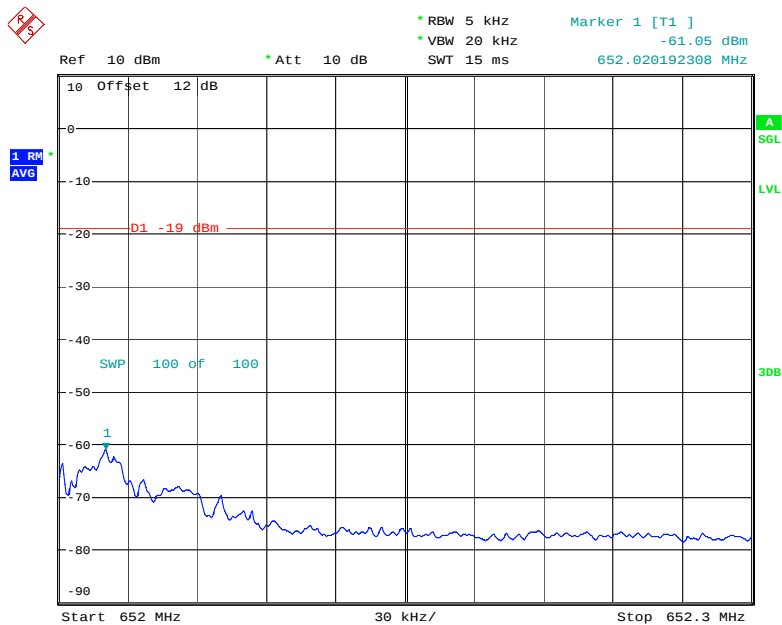
Date: 14.JAN.2023 15:58:15

600MHz Band, Left Band Edge for GSM-3dB Above AGC



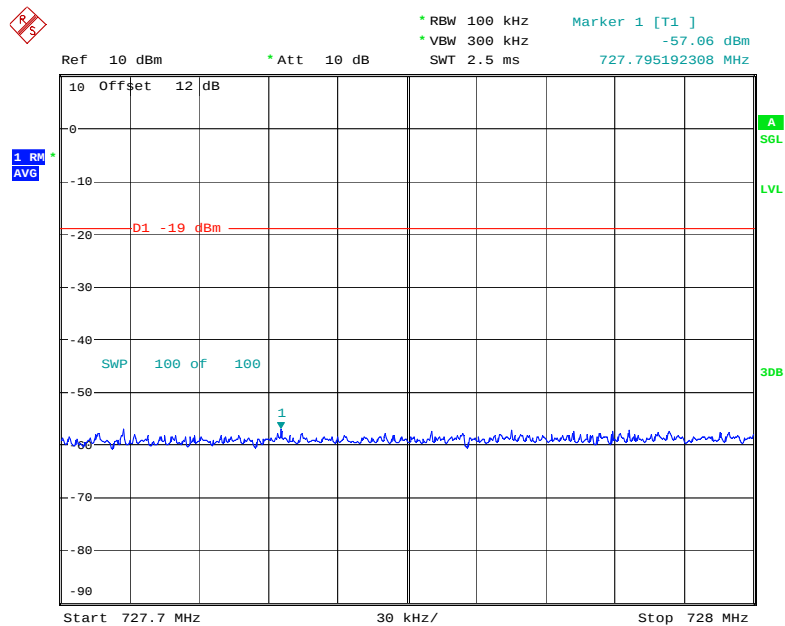
Date: 14.JAN.2023 15:58:04

600MHz Band, Right Band Edge for GSM 3dB Above AGC



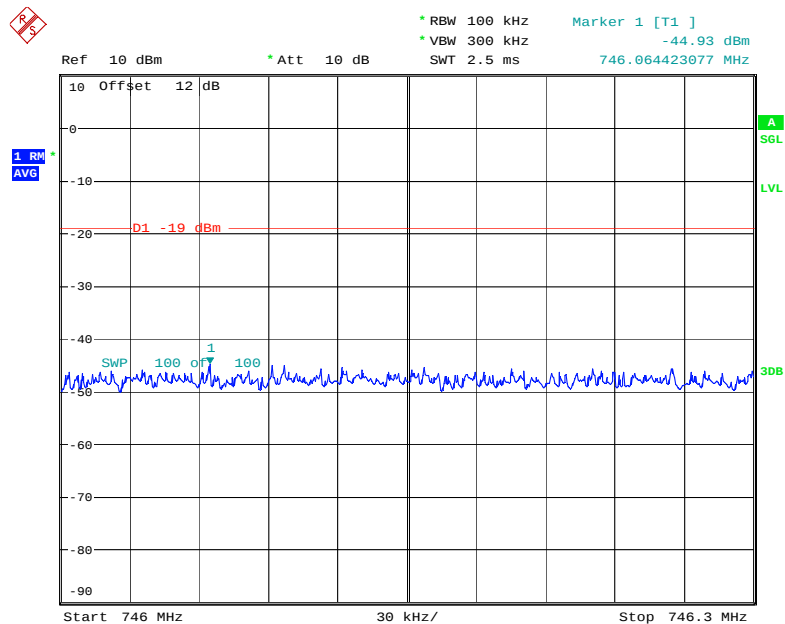
Date: 14.JAN.2023 15:58:24

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC



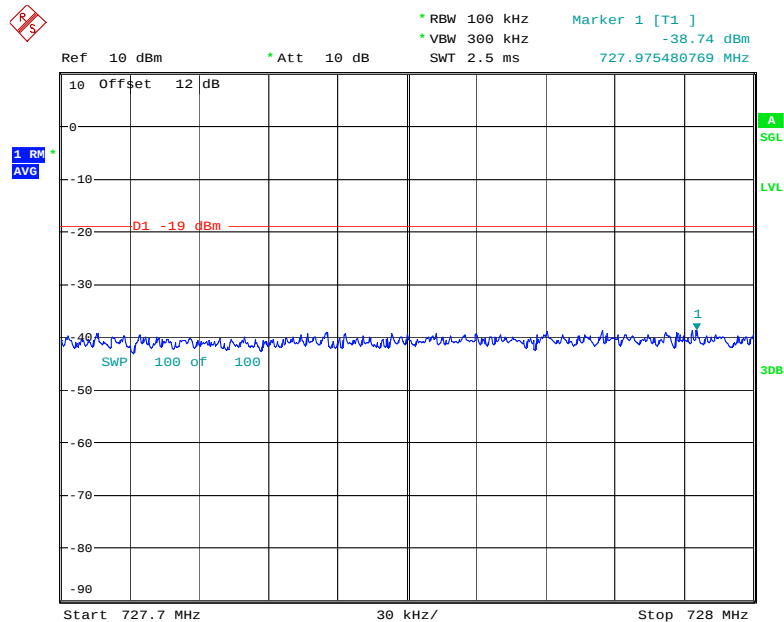
Date: 14.JAN.2023 15:42:04

Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC



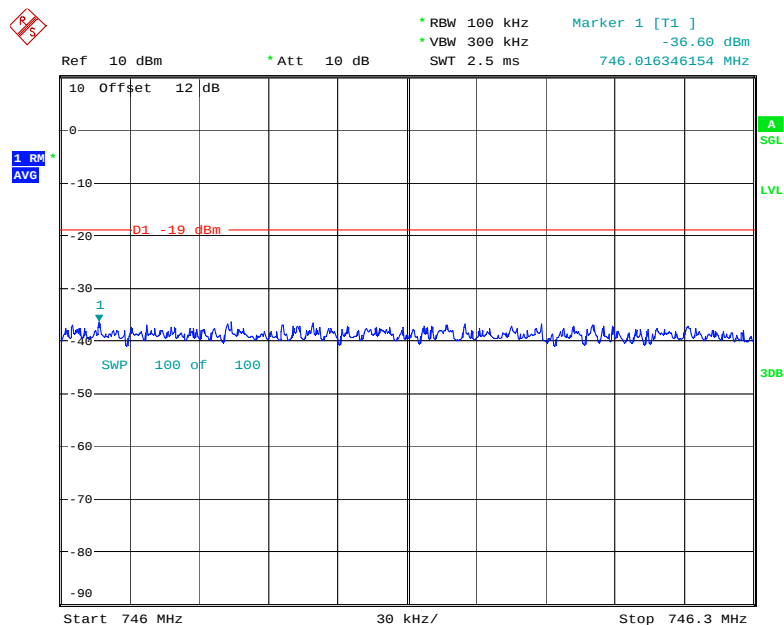
Date: 14.JAN.2023 15:42:22

Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-3dB Above AGC



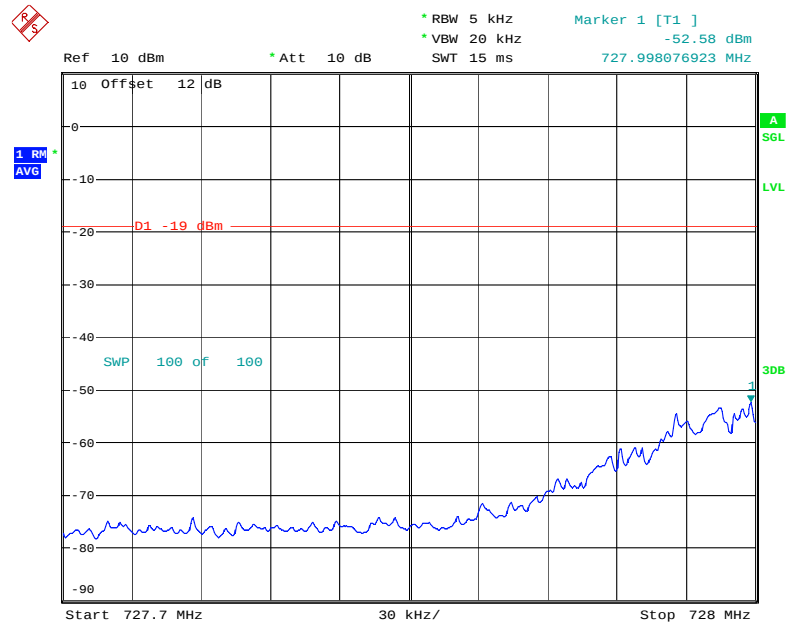
Date: 14.JAN.2023 15:42:13

Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-3dB Above AGC



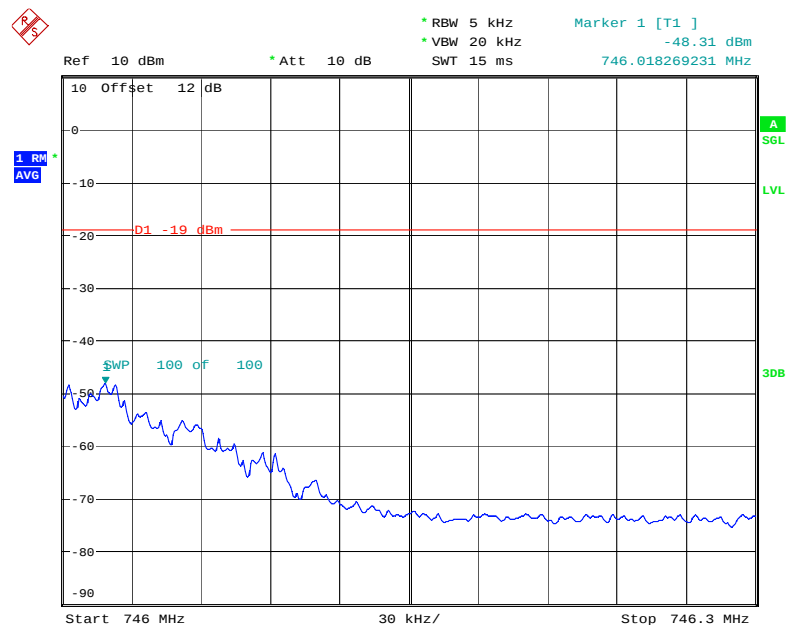
Date: 14.JAN.2023 15:42:31

Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC



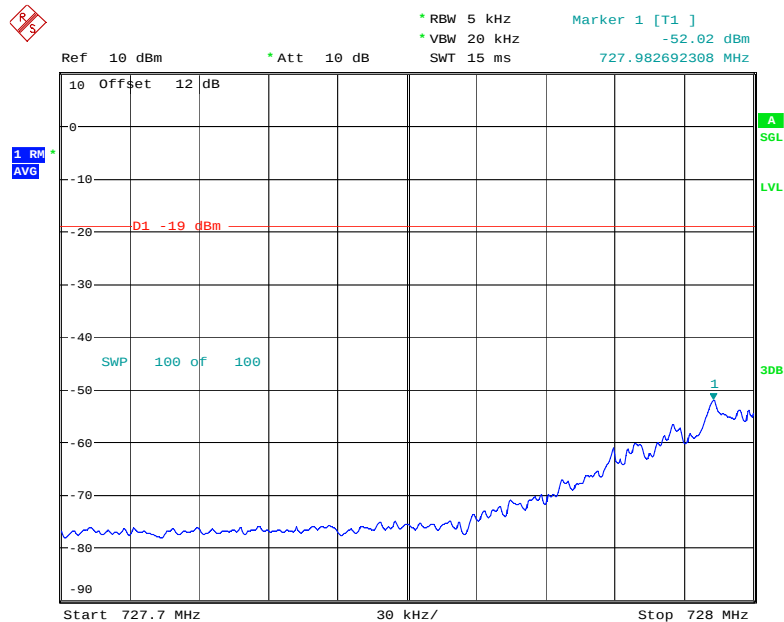
Date: 14.JAN.2023 15:58:37

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC



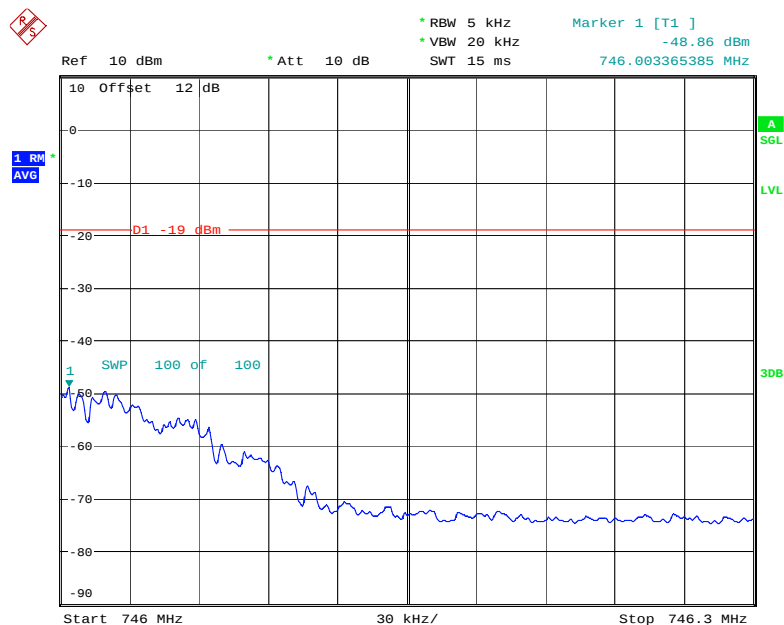
Date: 14.JAN.2023 15:59:00

Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-3dB Above AGC



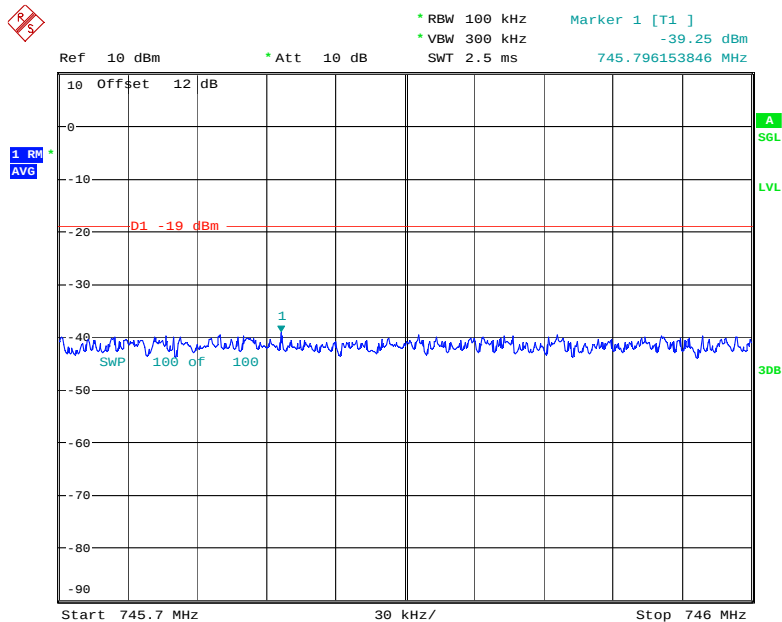
Date: 14.JAN.2023 15:58:51

Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-3dB Above AGC



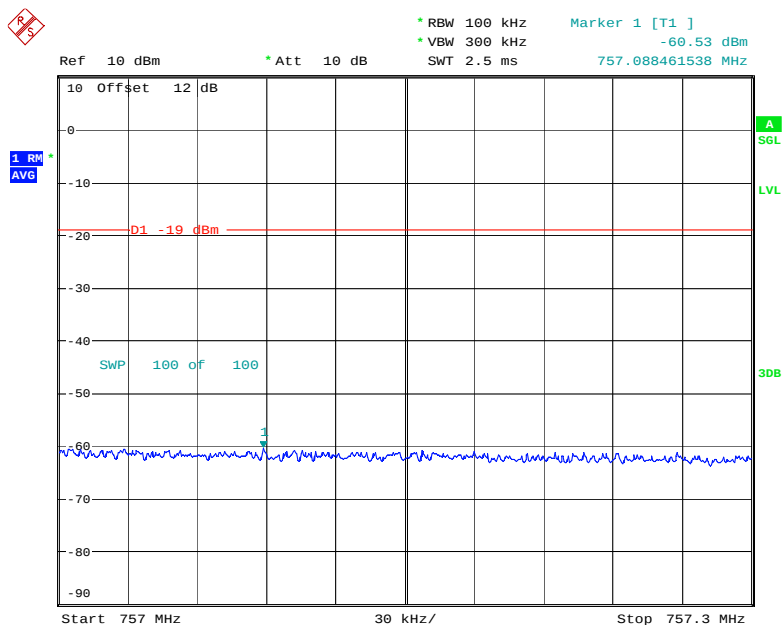
Date: 14.JAN.2023 15:59:10

Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC



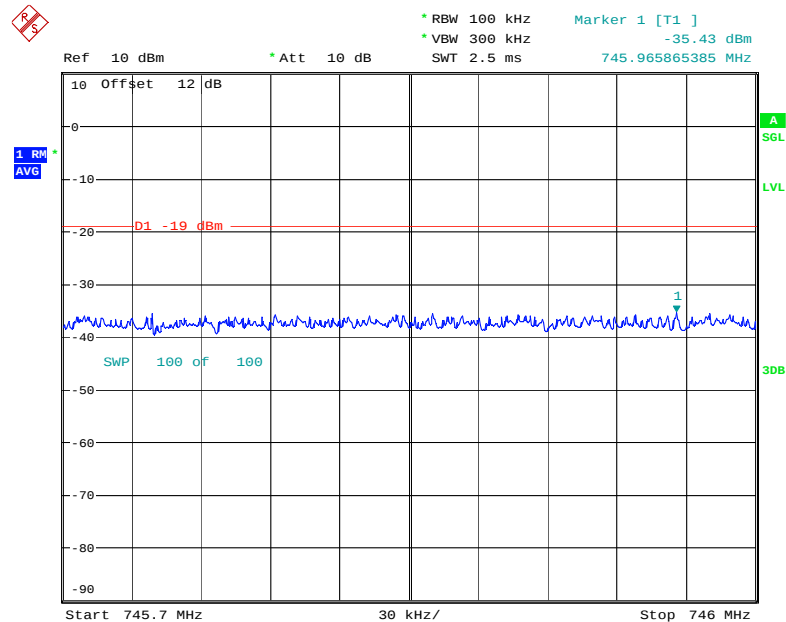
Date: 14. JAN. 2023 15:42:40

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC



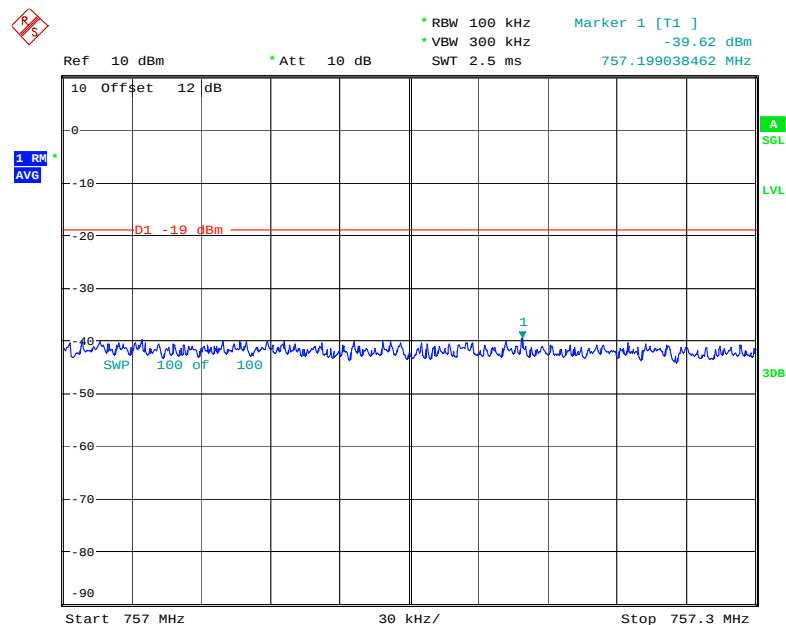
Date: 14. JAN. 2023 15:42:58

Upper 700MHz (C Block)Band, Left Band Edge for AWGN-3dB Above AGC



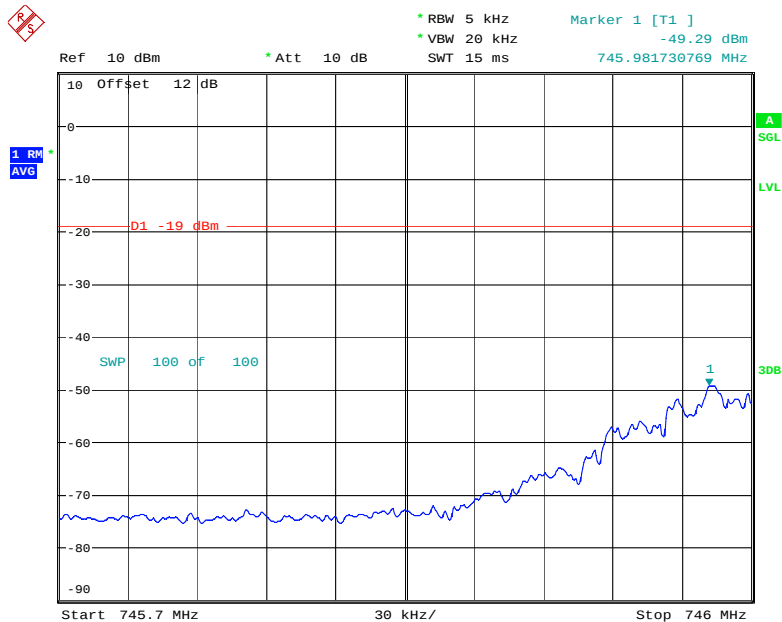
Date: 14. JAN. 2023 15:42:49

Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC



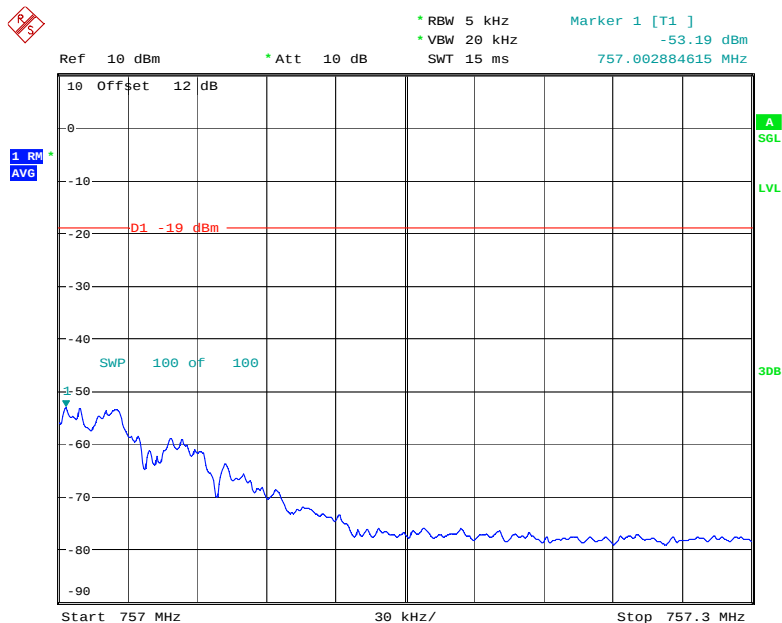
Date: 14. JAN. 2023 15:43:08

Upper 700MHz (C Block) Band, Left Band Edge for GSM-Pre AGC



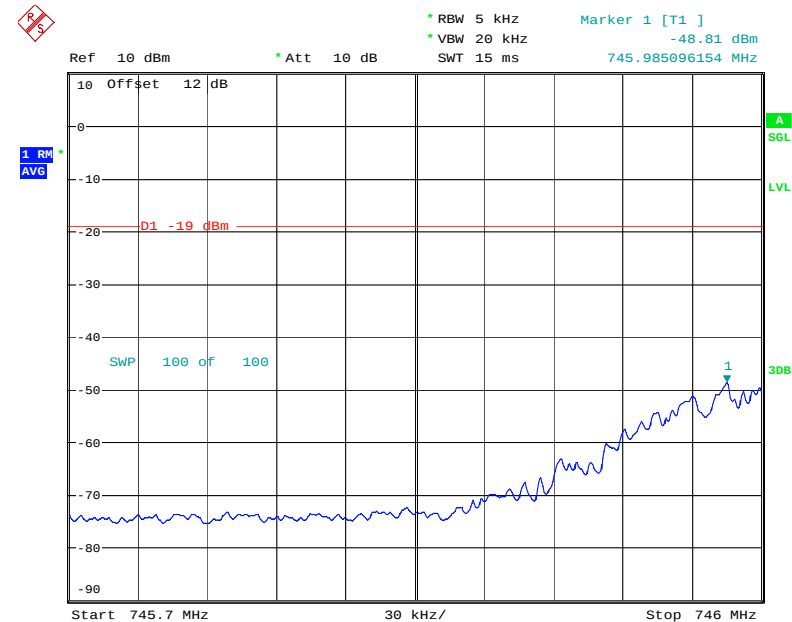
Date: 14.JAN.2023 15:59:23

Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC



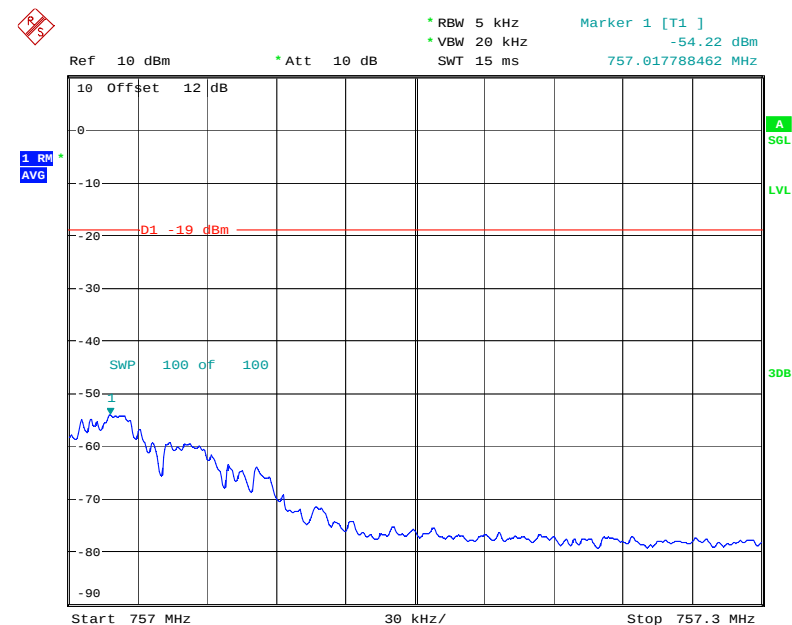
Date: 14.JAN.2023 15:59:44

Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC



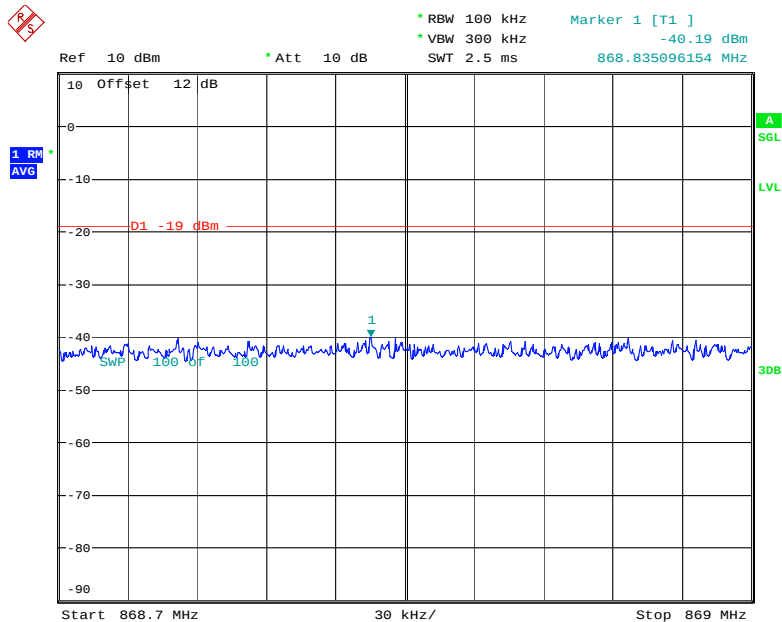
Date: 14.JAN.2023 15:59:35

Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC



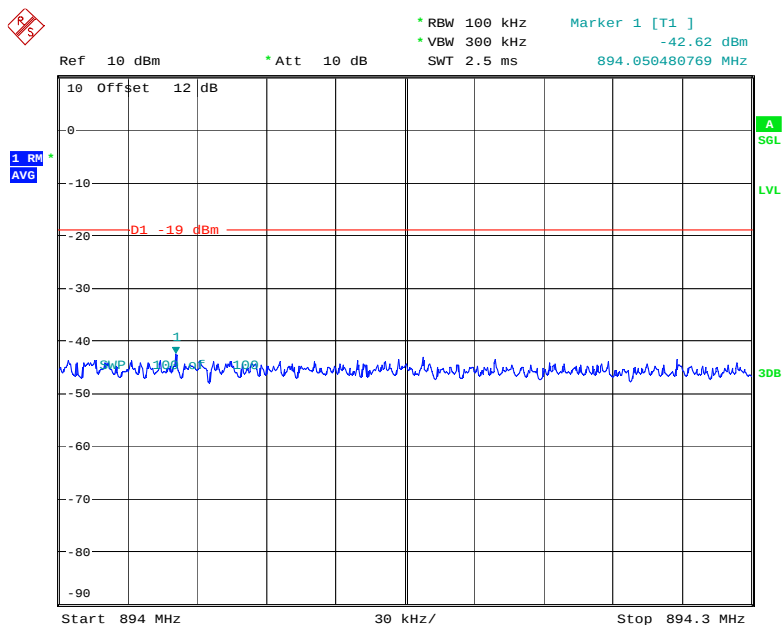
Date: 14.JAN.2023 15:59:54

Cellular Band, Left Band Edge for AWGN-Pre AGC



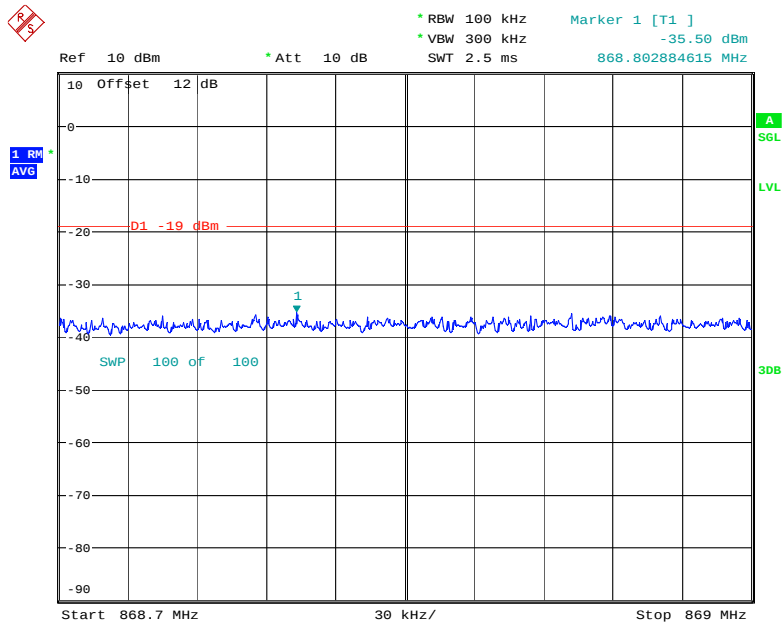
Date: 14.JAN.2023 15:43:17

Cellular Band, Right Band Edge for AWGN-Pre AGC



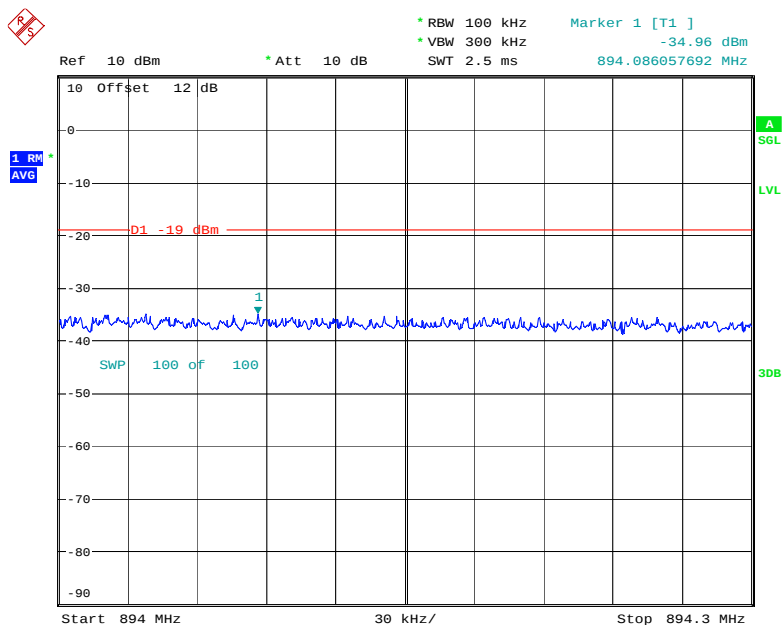
Date: 14.JAN.2023 15:43:33

Cellular Band, Left Band Edge for AWGN-3dB Above AGC



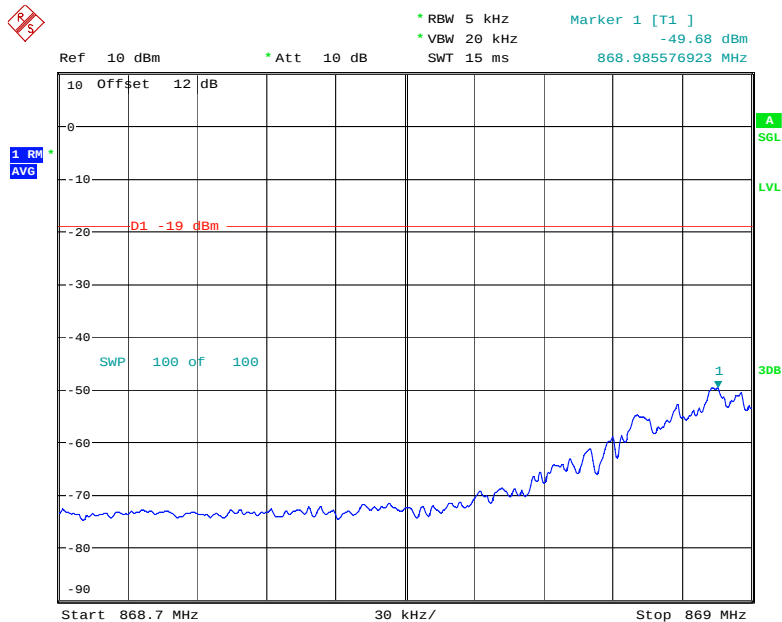
Date: 14.JAN.2023 15:43:24

Cellular Band, Right Band Edge for AWGN-3dB Above AGC



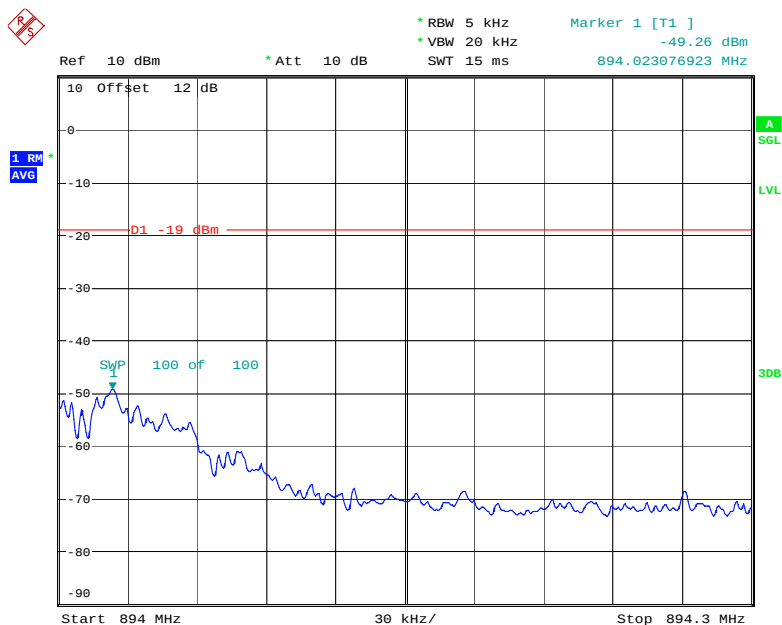
Date: 14.JAN.2023 15:43:43

Cellular Band, Left Band Edge for GSM-Pre AGC



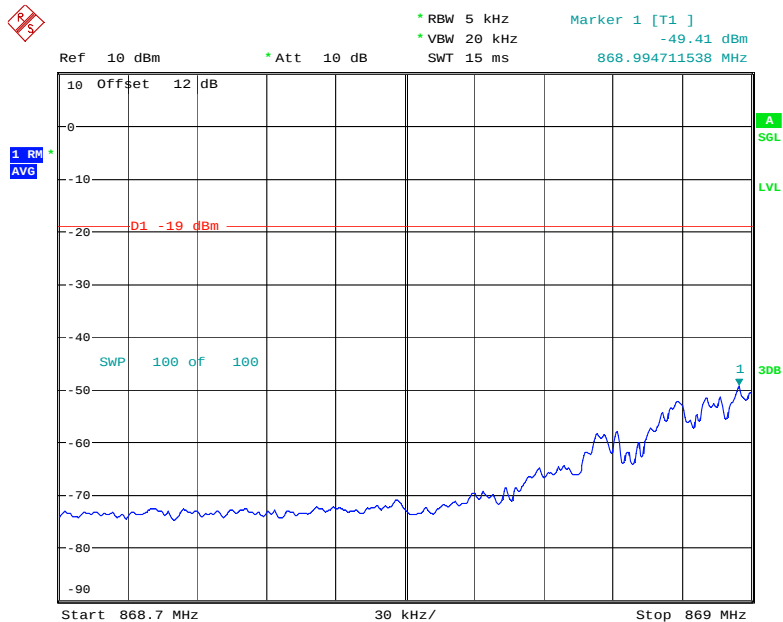
Date: 14.JAN.2023 16:00:04

Cellular Band, Right Band Edge for GSM-Pre AGC



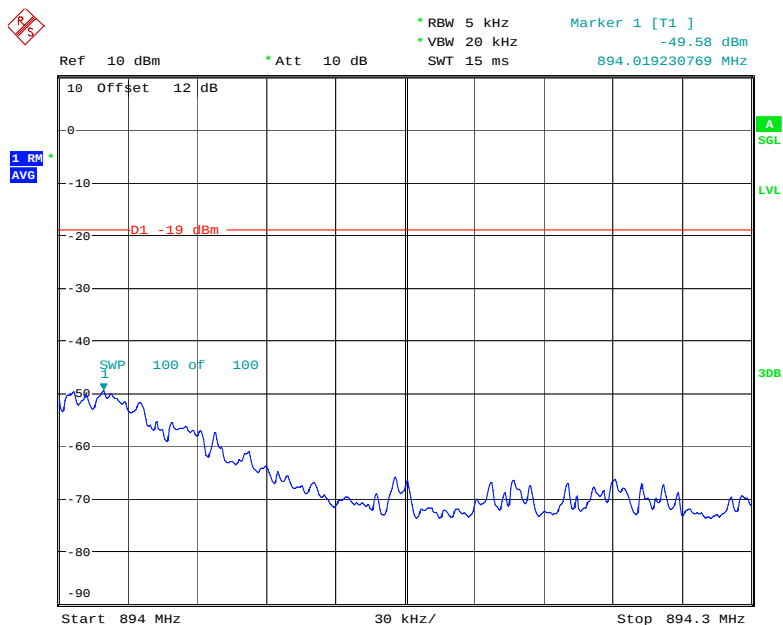
Date: 14.JAN.2023 16:00:23

Cellular Band, Left Band Edge for GSM-3dB Above AGC



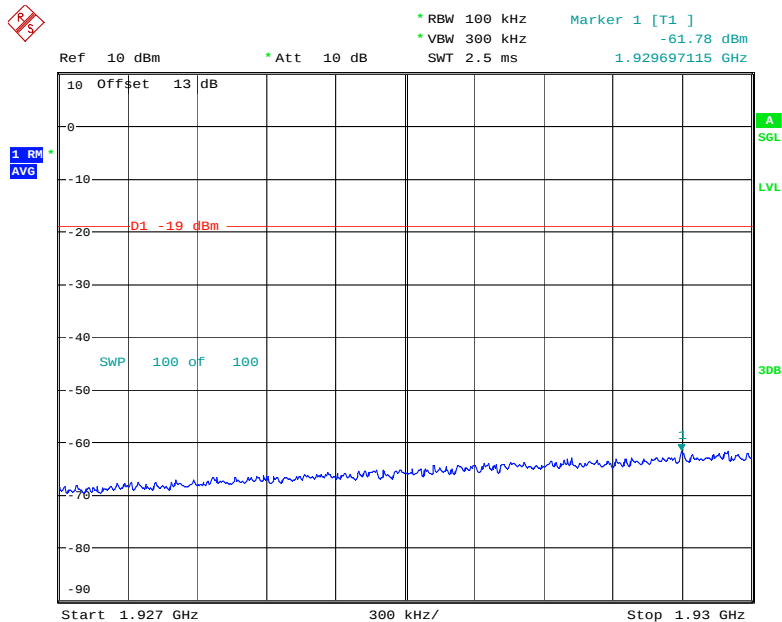
Date: 14.JAN.2023 16:00:15

Cellular Band, Right Band Edge for GSM-3dB Above AGC



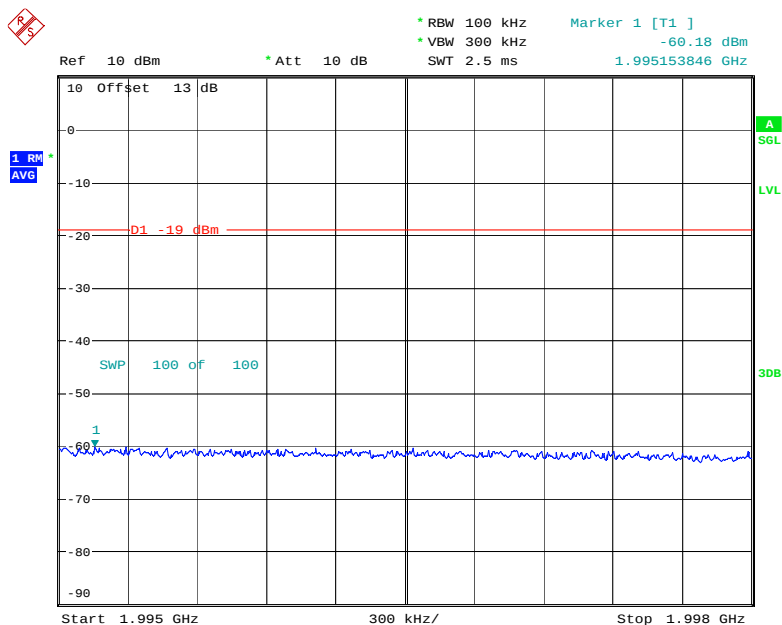
Date: 14.JAN.2023 16:00:33

PCS Band, Left Band Edge for AWGN-Pre AGC



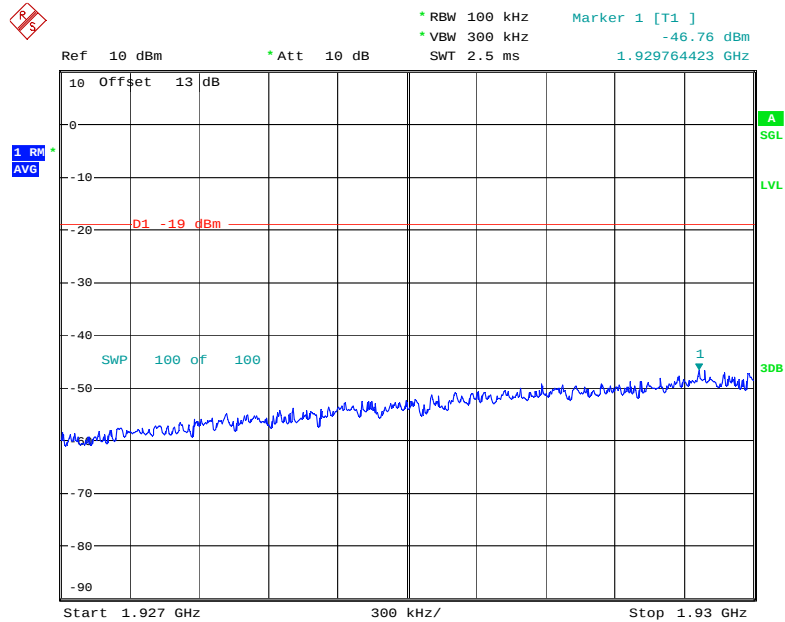
Date: 14. JAN. 2023 15:43:52

PCS Band, Right Band Edge for AWGN-Pre AGC



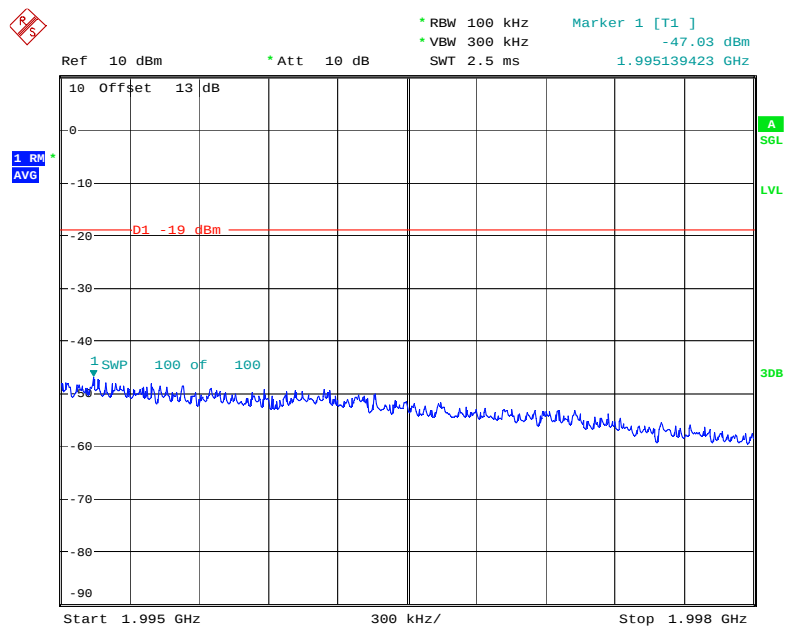
Date: 14. JAN. 2023 15:44:09

PCS Band, Left Band Edge for AWGN-3dB Above AGC



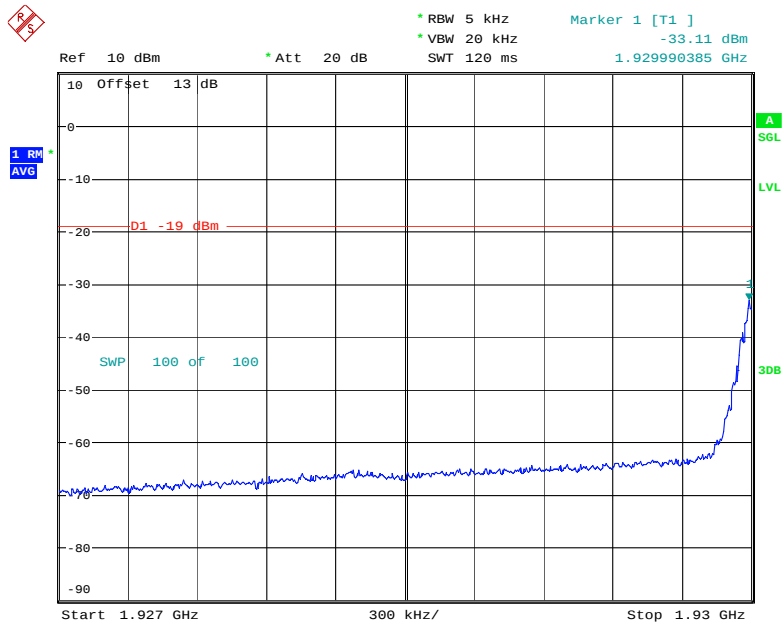
Date: 14.JAN.2023 15:43:59

PCS Band, Right Band Edge for AWGN-3dB Above AGC



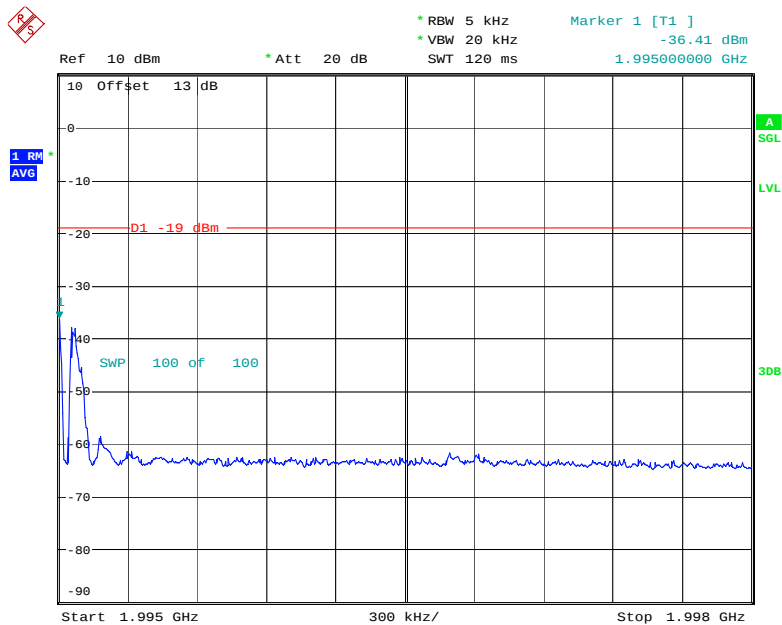
Date: 14.JAN.2023 15:44:18

PCS Band, Left Band Edge for GSM-Pre AGC



Date: 17.JAN.2023 13:39:32

PCS Band, Right Band Edge for GSM-Pre AGC



Date: 17.JAN.2023 13:40:17

Ref 10 dBm * Att 20 dB * RBW 5 kHz * VBW 20 kHz Marker 1 [T1] -33.77 dBm
 SWT 120 ms 1.929990385 GHz

10 Offset 13 dB

1 RM
 AVG

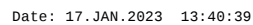
D1 -19 dBm

SWP 100 of 100

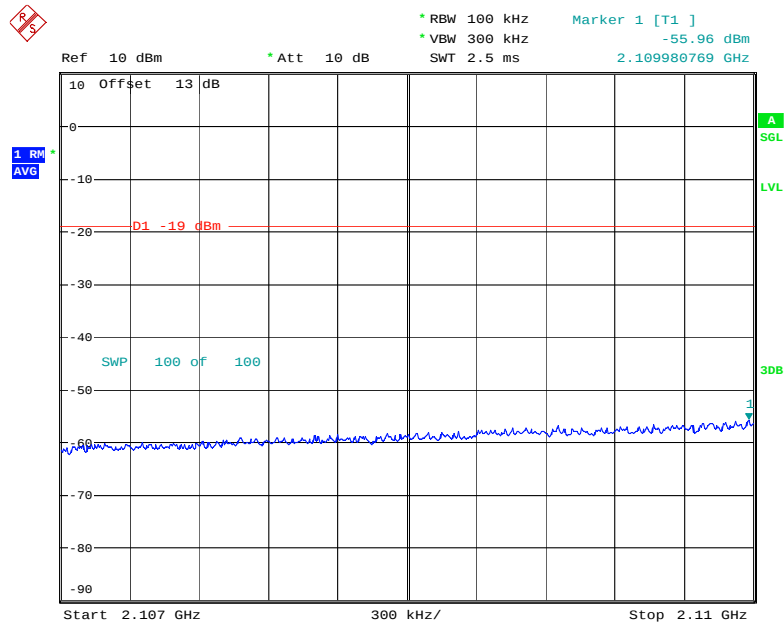
30B

Start 1.927 GHz 300 kHz/ Stop 1.93 GHz

PCS Band, Right Band Edge for GSM-3dB Above AGC

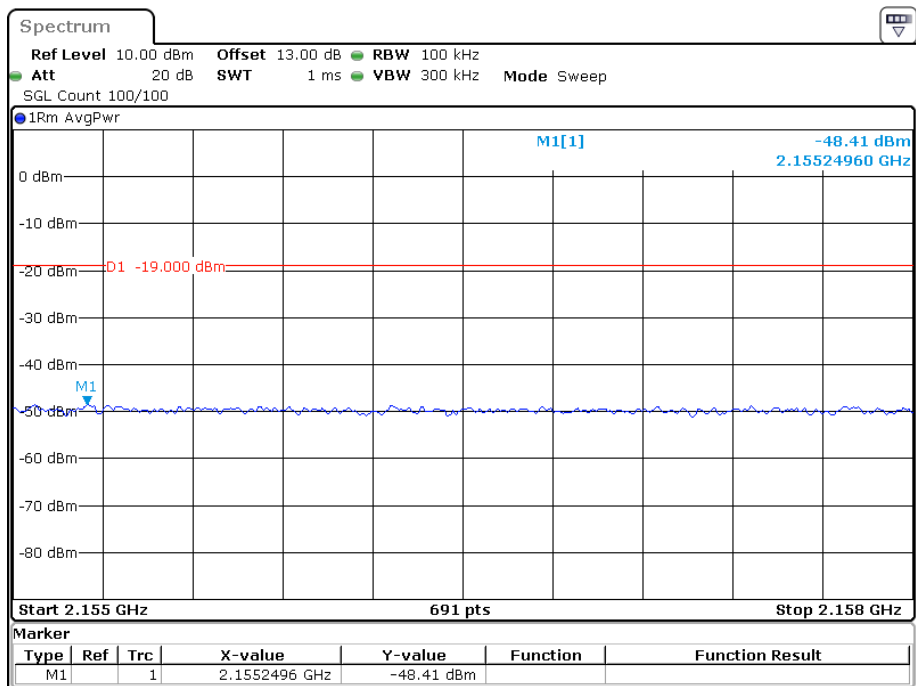


AWS Band, Left Band Edge for AWGN -Pre AGC



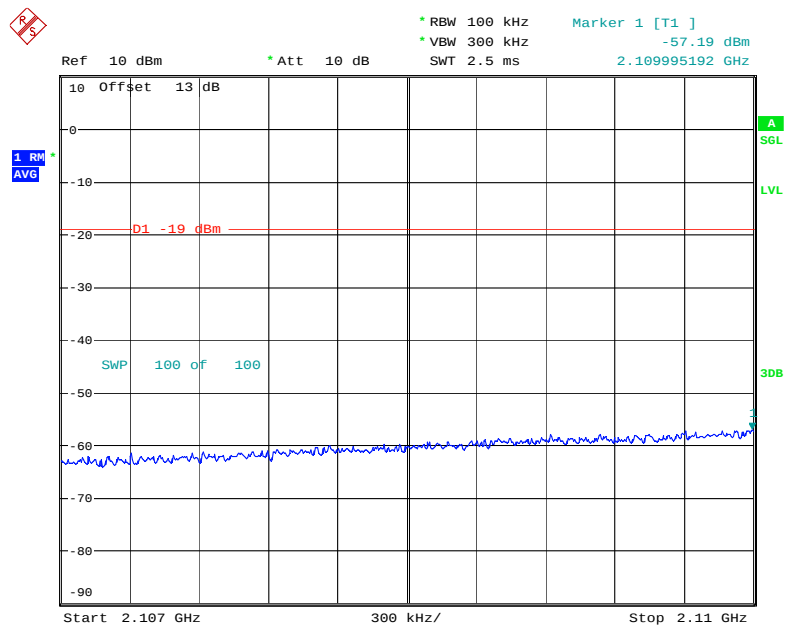
Date: 14.JAN.2023 15:44:27

AWS Band, Right Band Edge for AWGN-Pre AGC



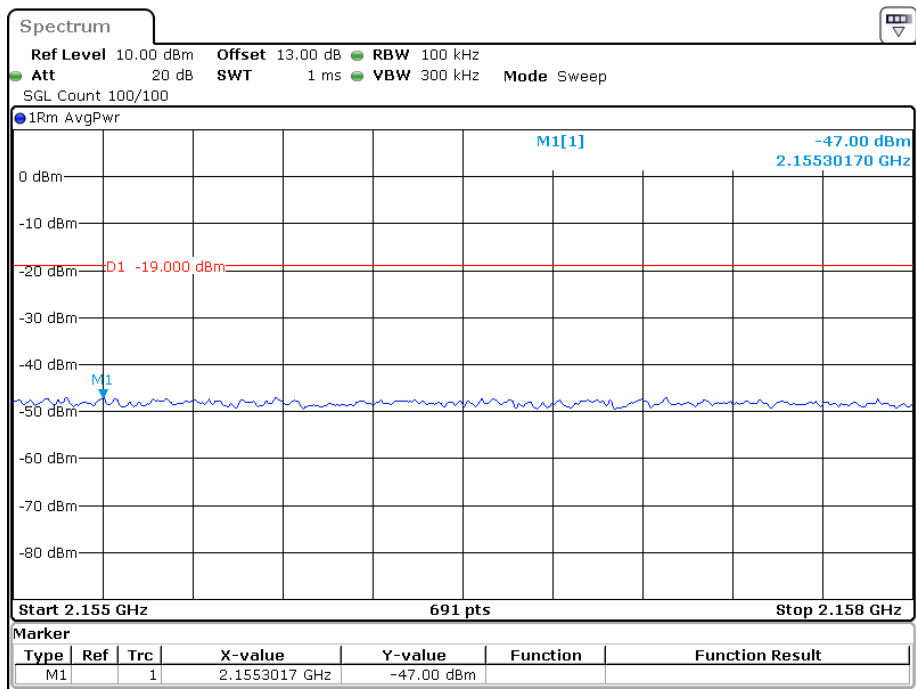
Date: 1.FEB.2023 11:53:47

AWS Band, Left Band Edge for AWGN-3dB Above AGC



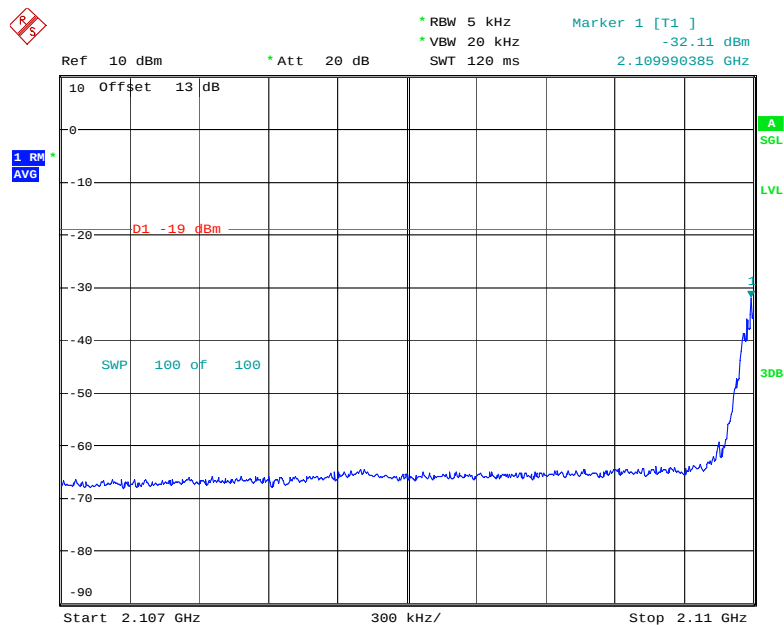
Date: 14.JAN.2023 15:44:36

AWS Band, Right Band Edge for AWGN-3dB Above AGC



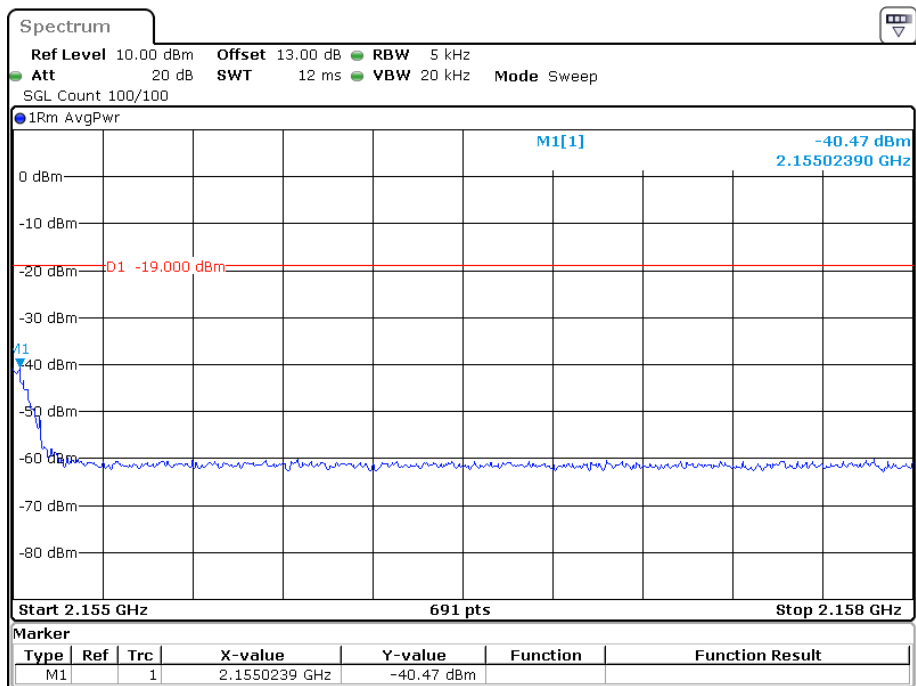
Date: 1.FEB.2023 11:54:08

AWS Band, Left Band Edge for GSM-Pre AGC



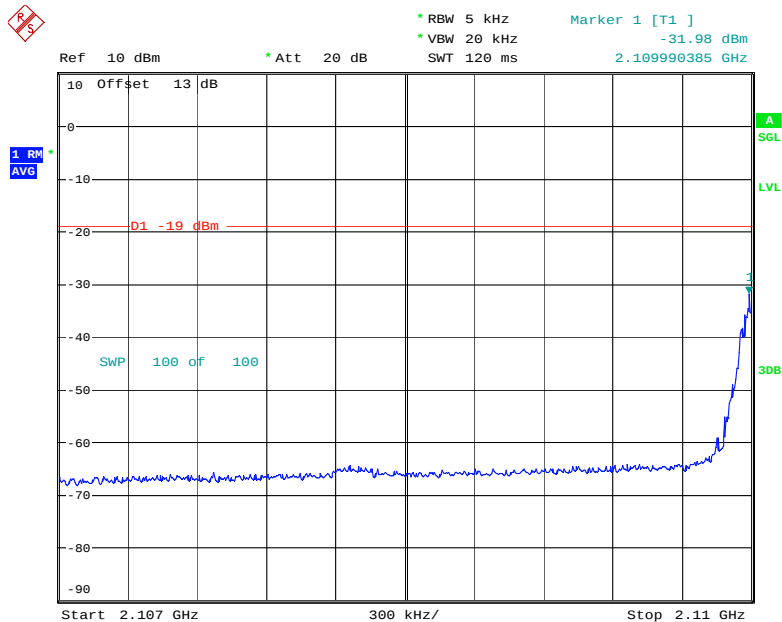
Date: 17.JAN.2023 13:41:02

AWS Band, Right Band Edge for GSM-Pre AGC



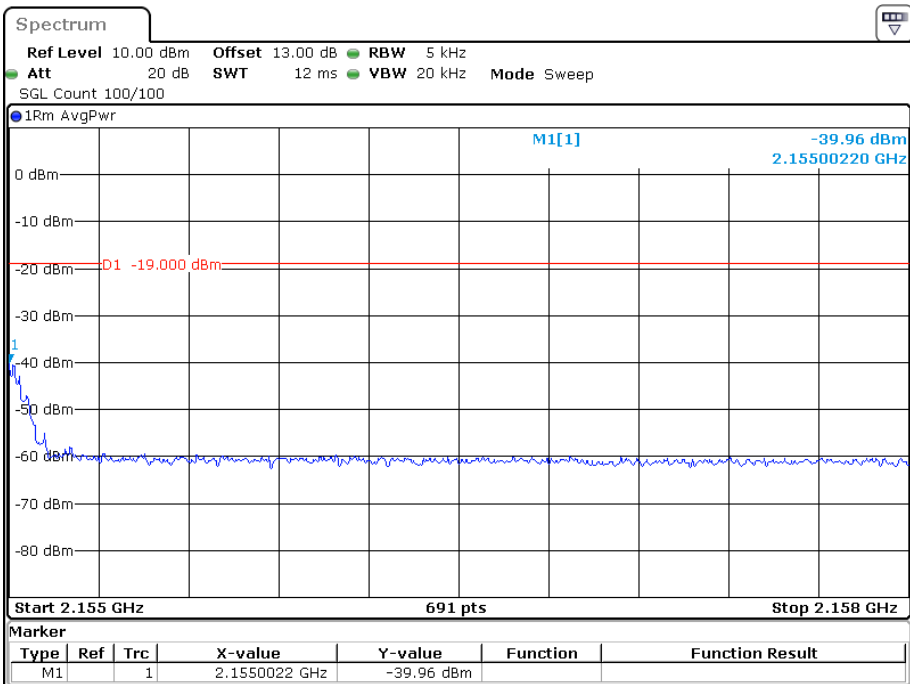
Date: 1.FEB.2023 11:52:35

AWS Band, Left Band Edge for GSM-3dB Above AGC



Date: 17.JAN.2023 13:41:25

AWS Band, Right Band Edge for GSM-3dB Above AGC



Date: 1.FEB.2023 11:52:56

FCC §20.21 - OUT OF BAND REJECTION

Applicable Standard

According to FCC Part § 20.21, a booster shall have -20dB at the band edge referenced to the gain in the center of the pass band of the booster, where band edge is the end of the licensee's allocated spectrum.

Test Procedure

FCC KDB 935210 D05 Indus Booster Basic Meas v01r04, Section 3.3.

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. The span of the spectrum analyzer was set to be wide enough in order to capture the spectrum of entire operating band.

Test Data

Environmental Conditions

Temperature:	23°C
Relative Humidity:	50%
ATM Pressure:	101.0 kPa

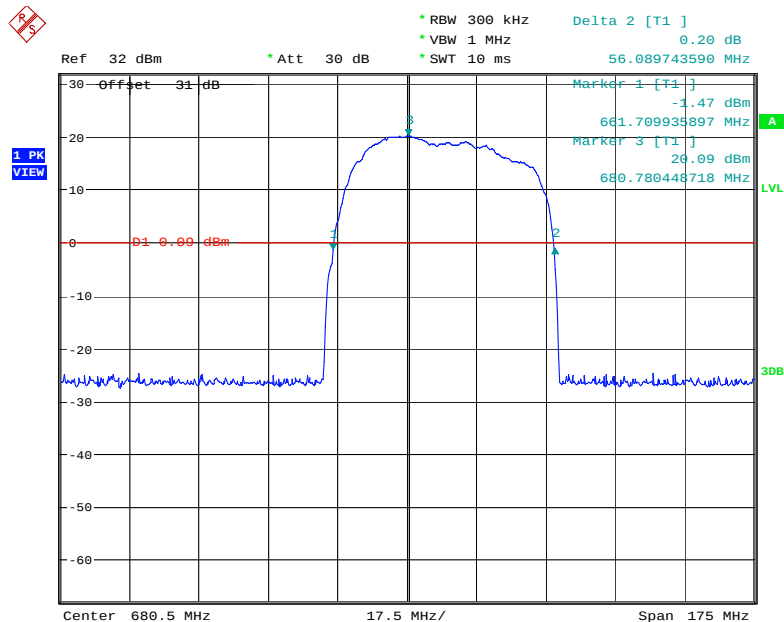
The testing was performed by Glenn.Jiang on 2023-01-14 and 2023-01-19.

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to the following plots.

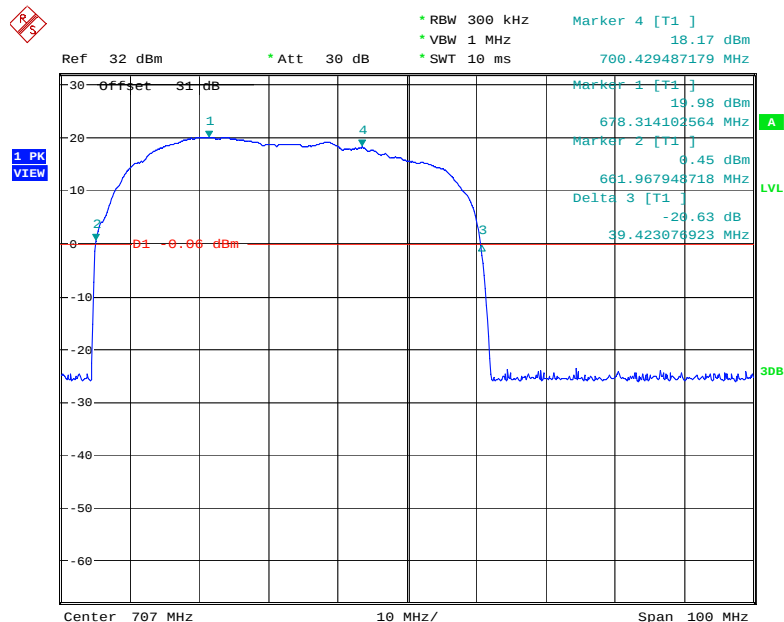
Uplink:

600MHz Band



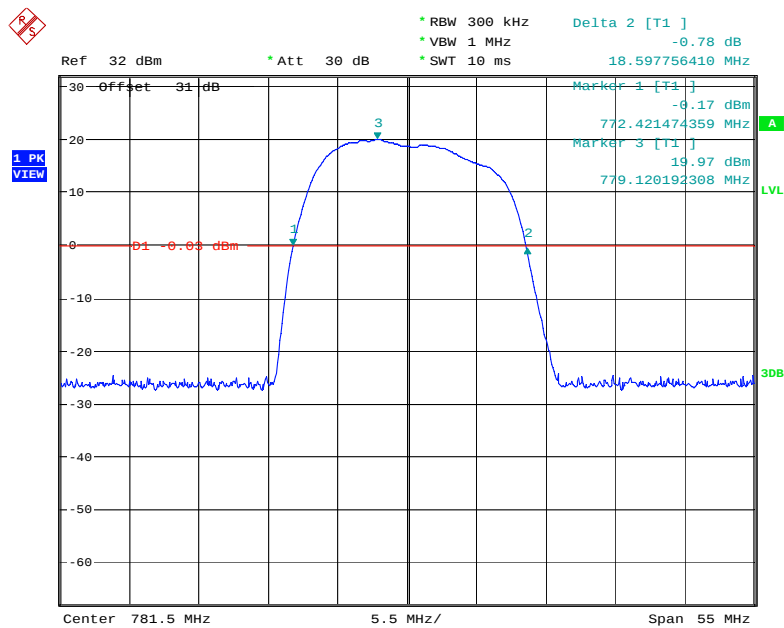
Date: 14.JAN.2023 16:59:32

Lower 700MHz (A+B+C Block) Band



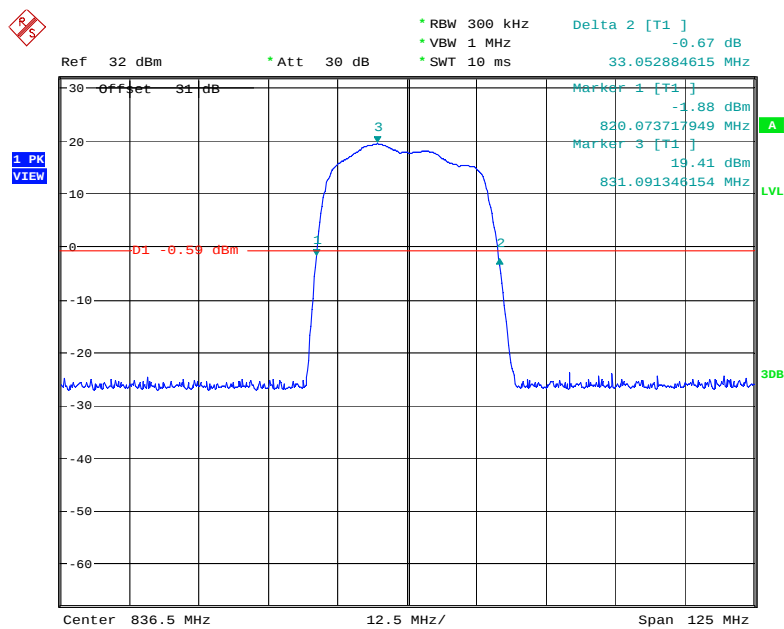
Date: 19.JAN.2023 11:02:46

Upper 700MHz (C Block) Band



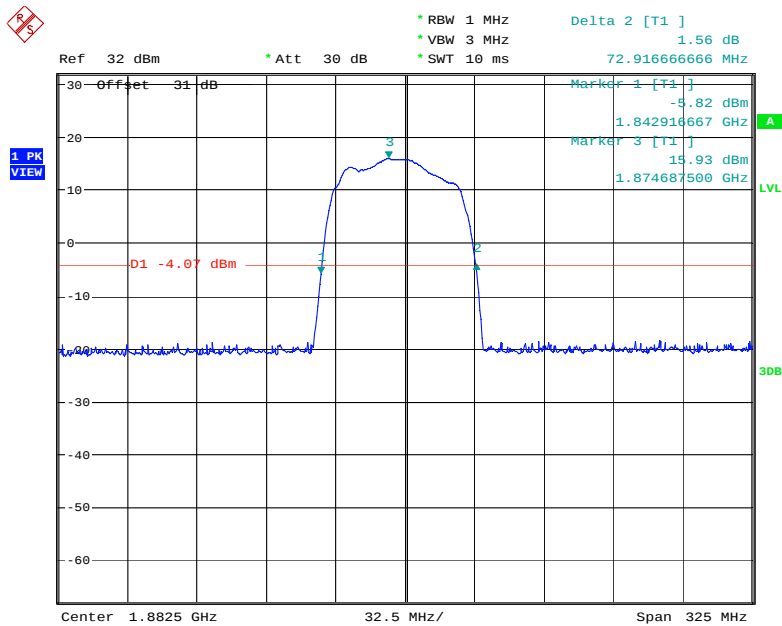
Date: 14.JAN.2023 17:00:28

Cellular Band



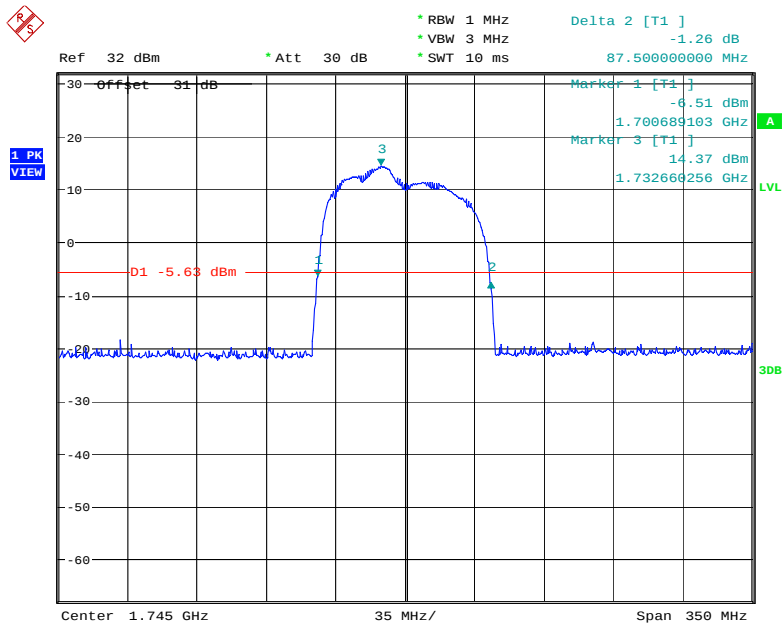
Date: 14.JAN.2023 17:03:40

PCS Band



Date: 14.JAN.2023 17:04:52

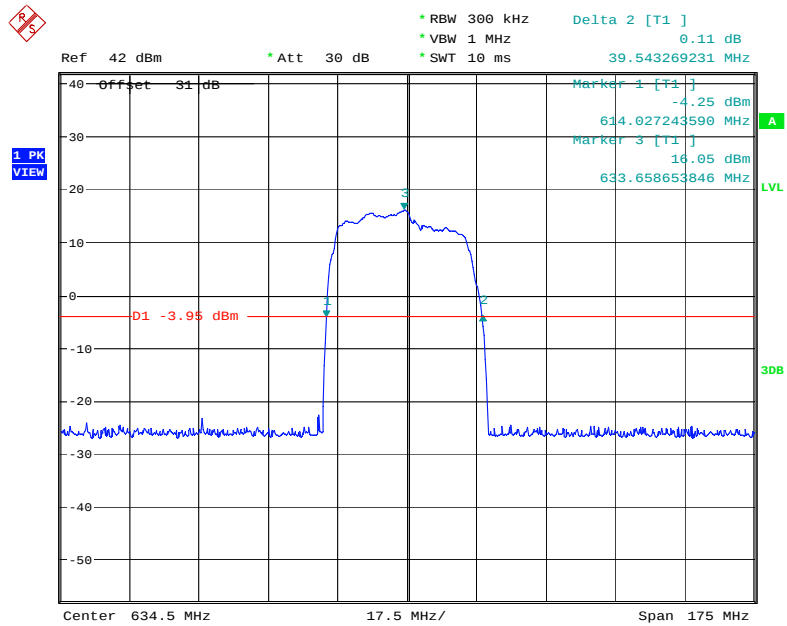
AWS Band



Date: 14.JAN.2023 17:02:48

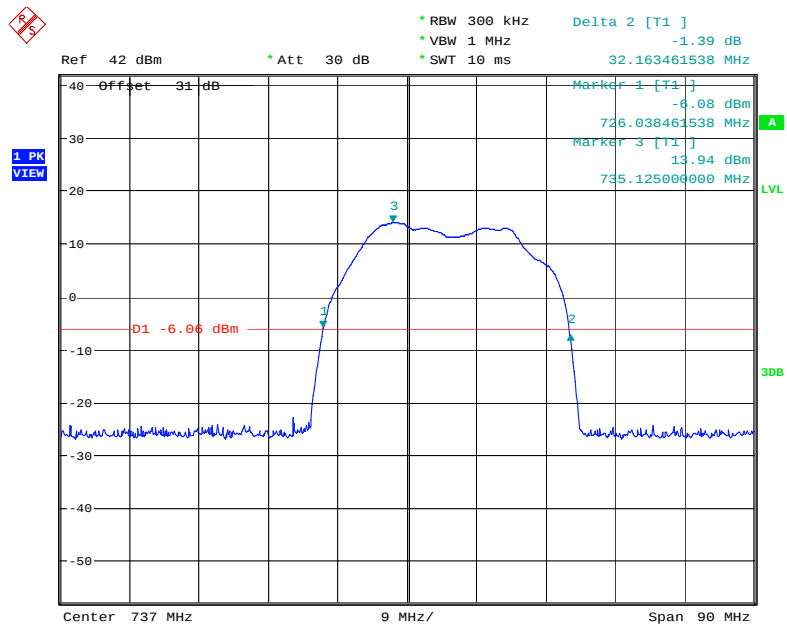
Downlink:

600MHz Band



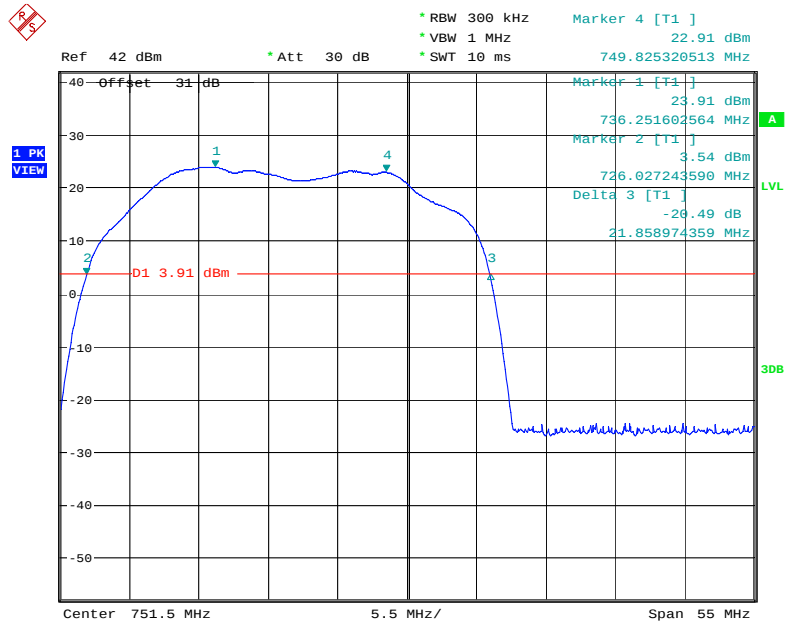
Date: 14.JAN.2023 17:09:41

Lower 700MHz (A+B+C Block)



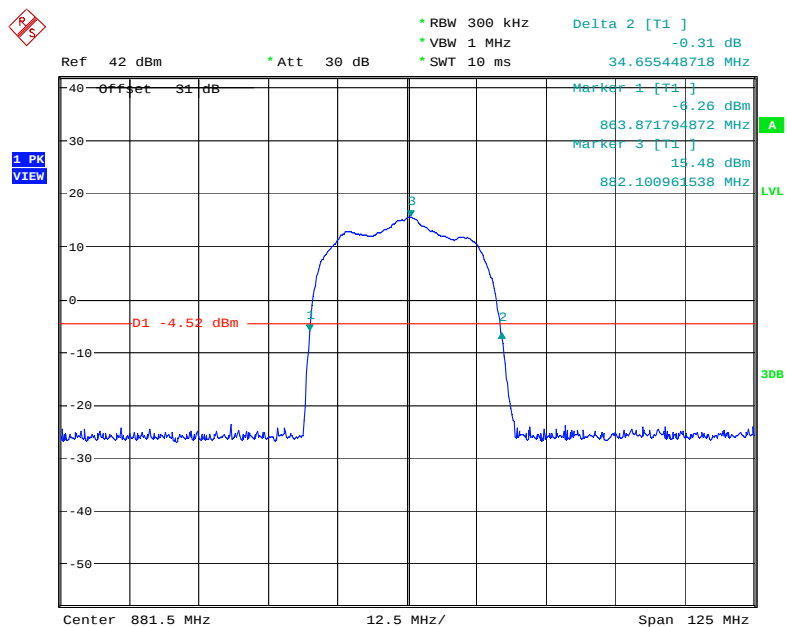
Date: 14.JAN.2023 17:10:30

Upper 700MHz (C Block) Band



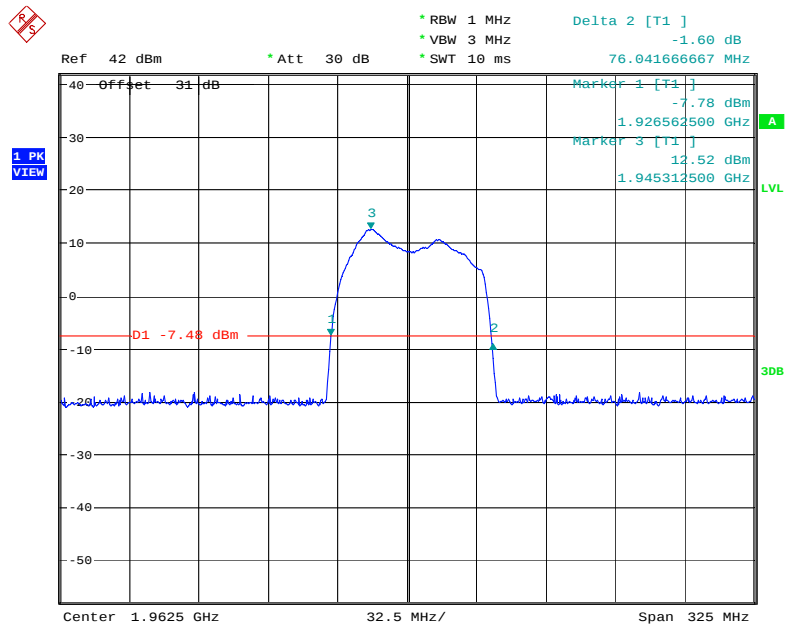
Date: 19.JAN.2023 11:07:16

Cellular Band



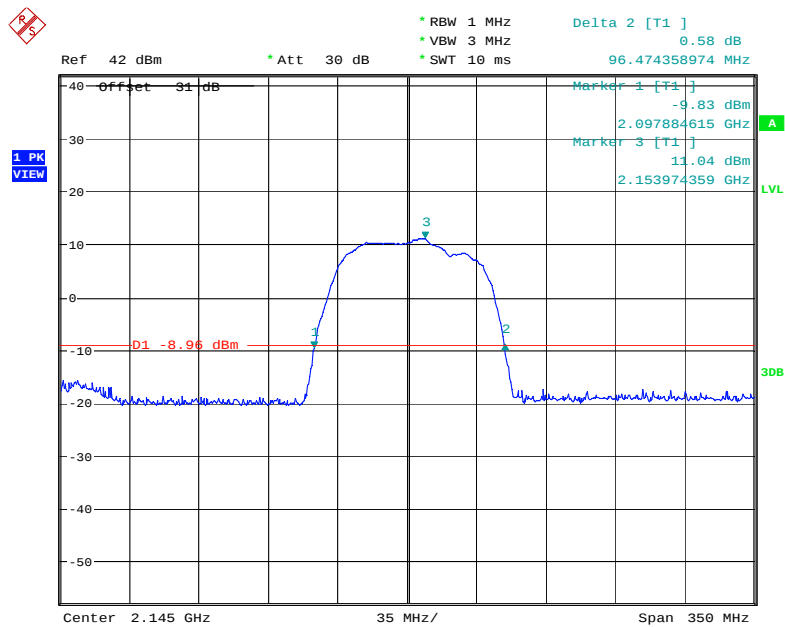
Date: 14.JAN.2023 17:14:25

PCS Band



Date: 14.JAN.2023 17:14:54

AWS Band



Date: 14.JAN.2023 17:15:32

***** END OF REPORT *****