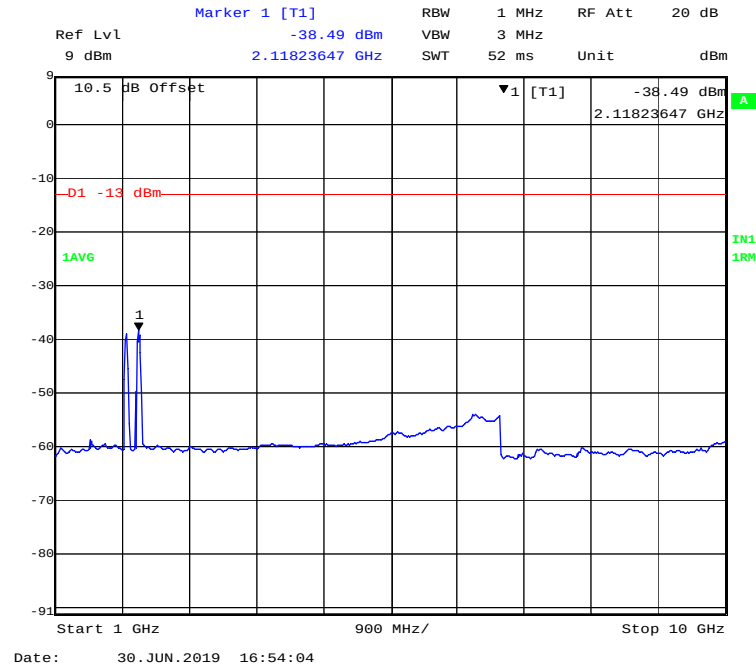
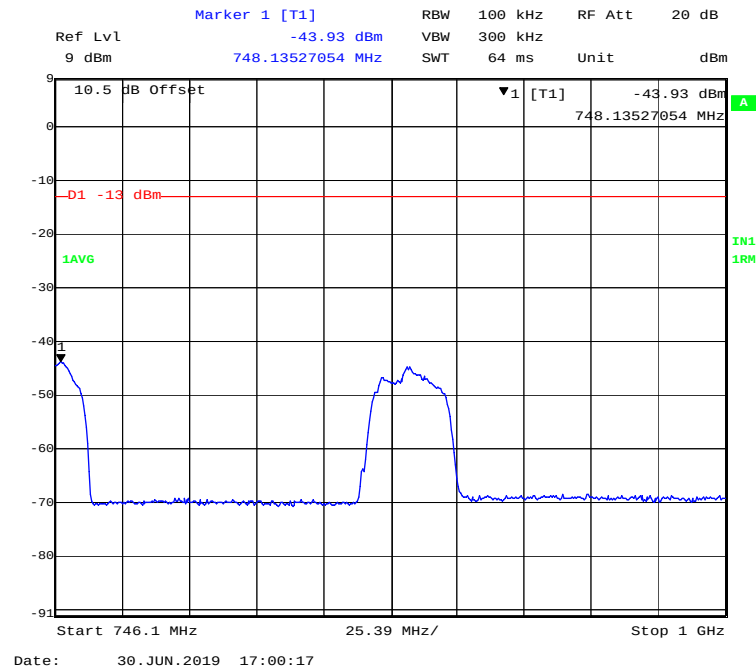
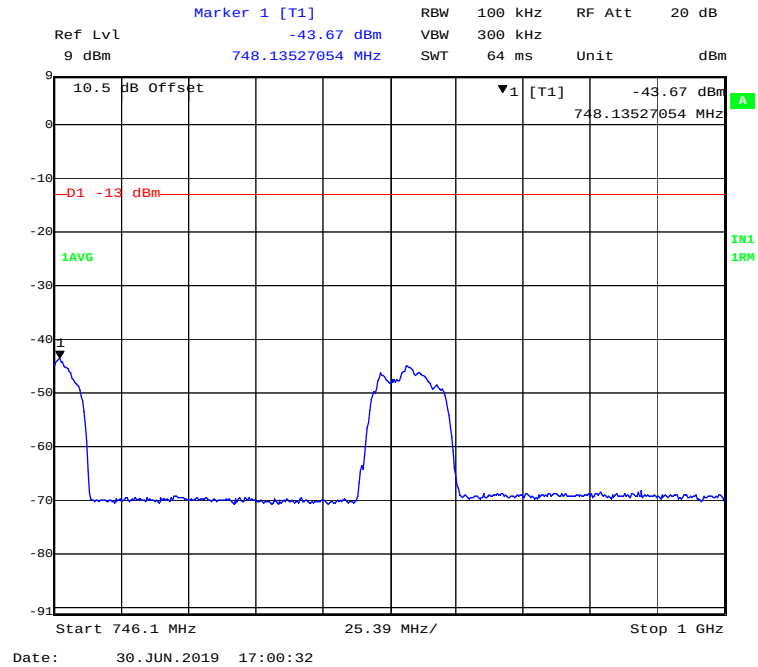
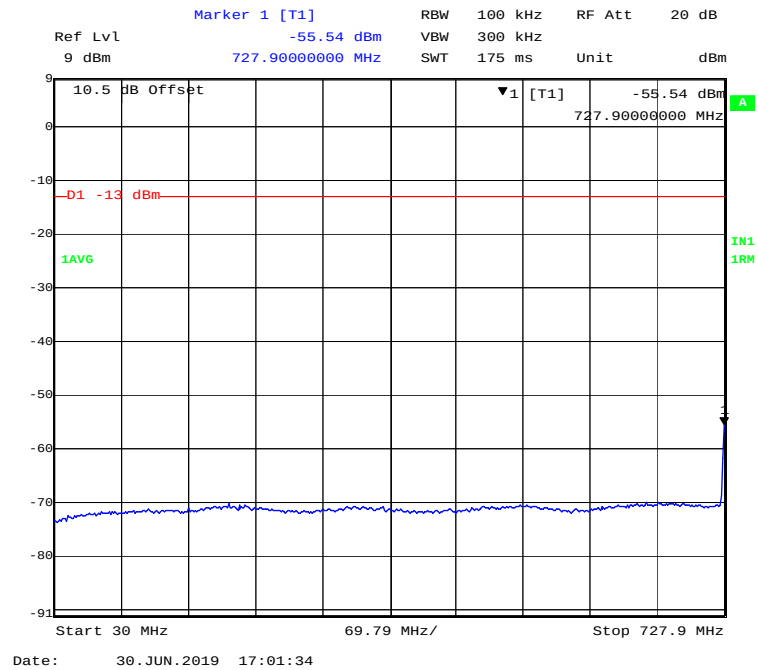
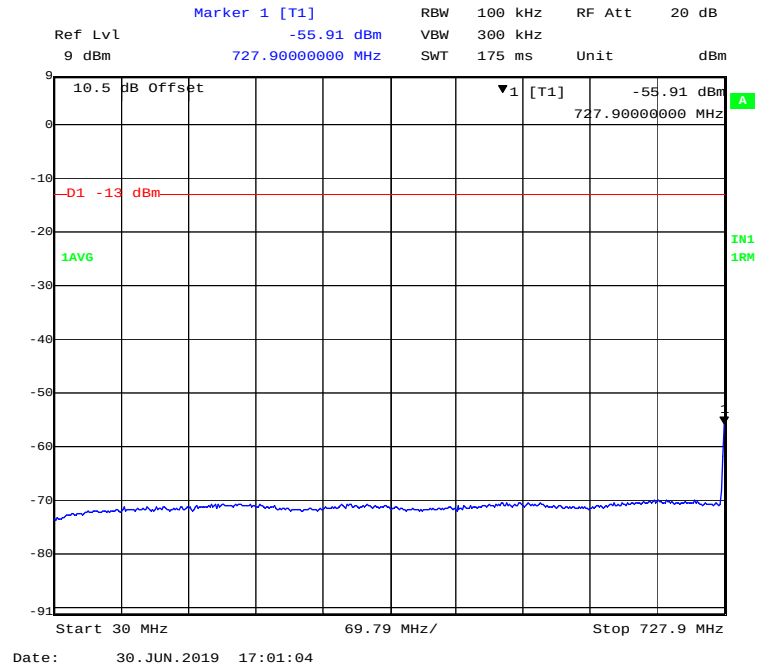


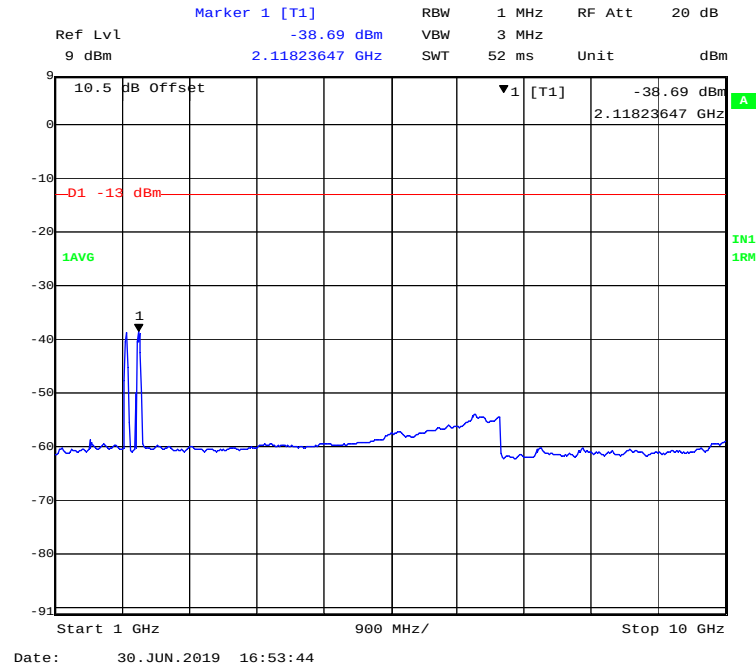
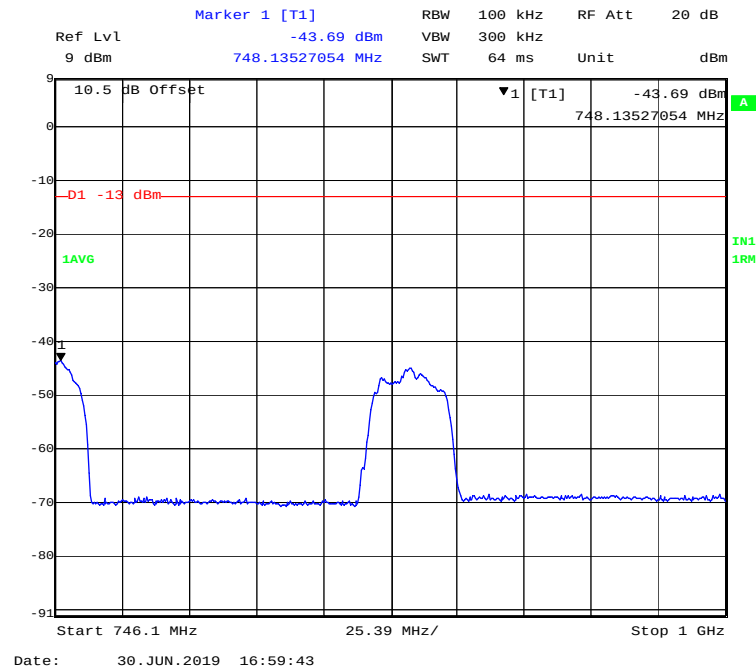


Lower 700MHz (A+B+C Block) - GSM-Pre AGC-Middle Channel

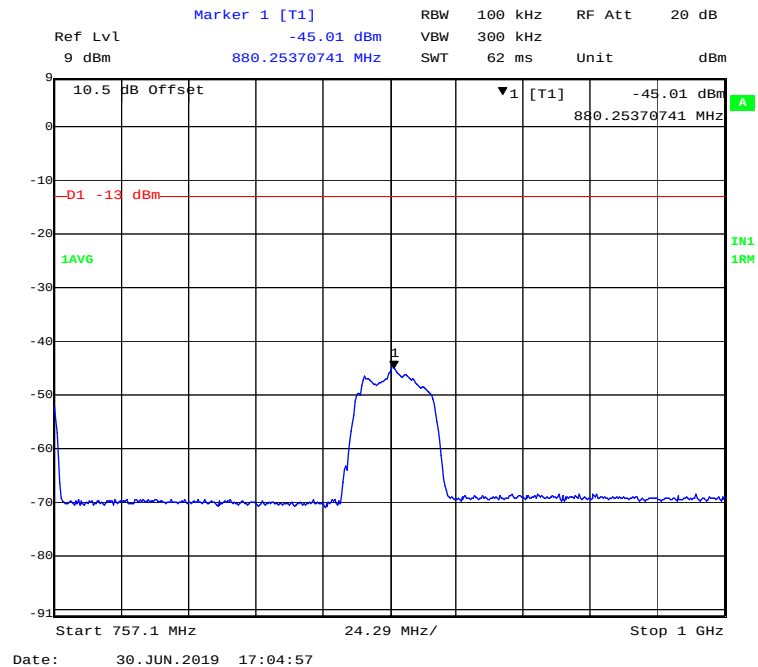
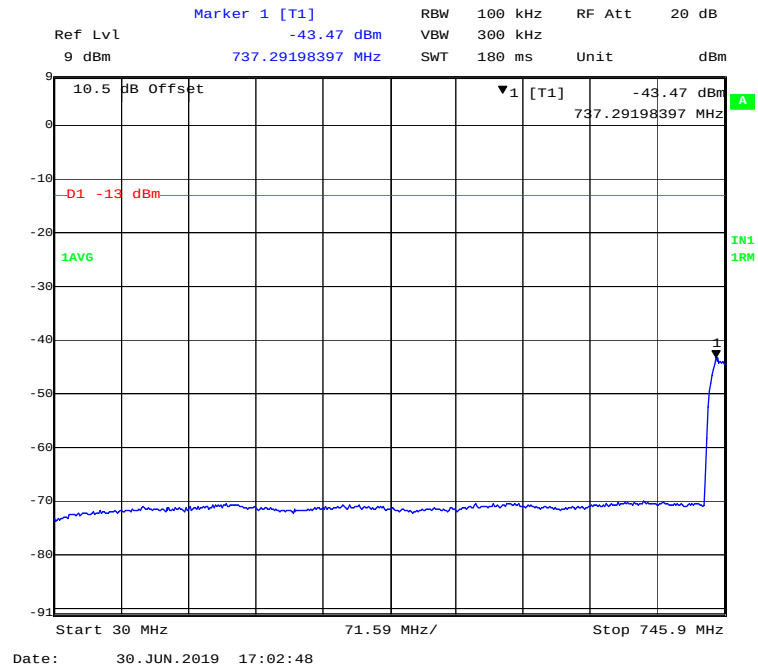


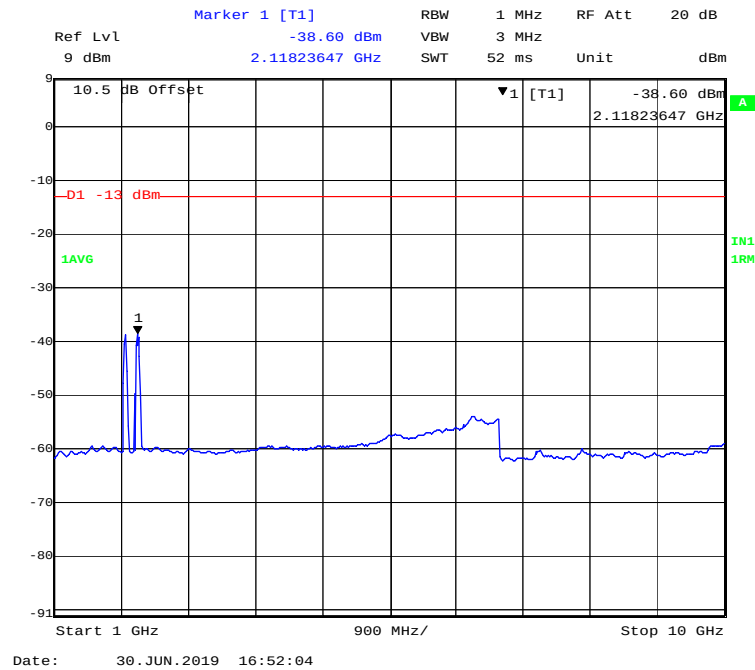
Lower 700MHz (A+B+C Block) - GSM-Pre AGC-High Channel



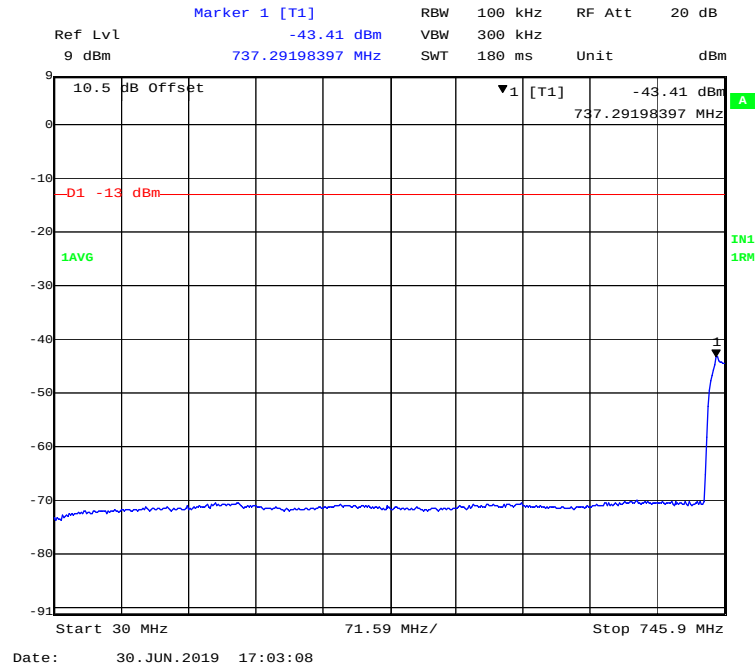


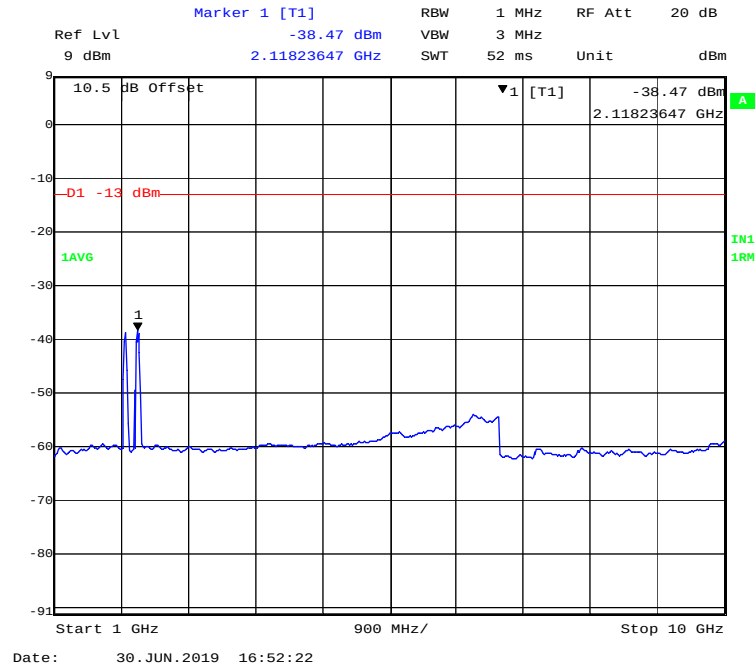
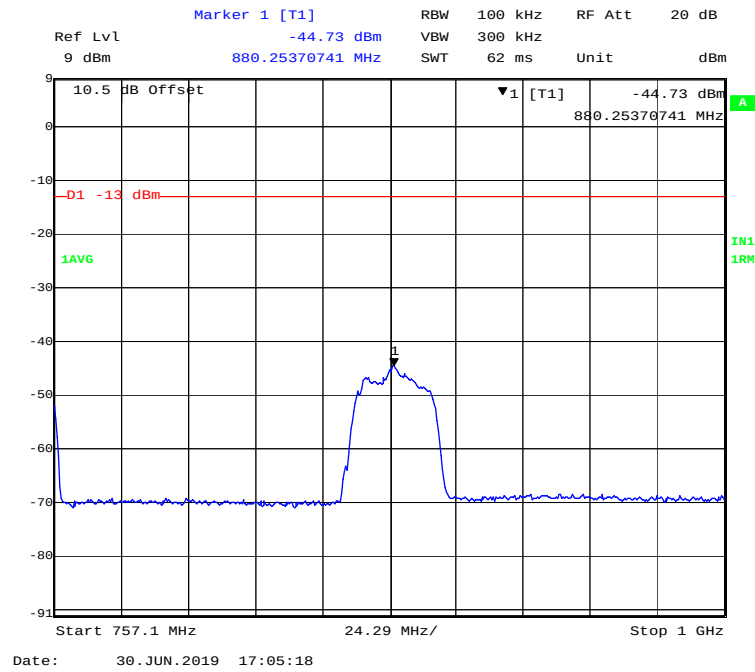
Upper 700MHz (C Block)-AWGN-Pre AGC-Low Channel



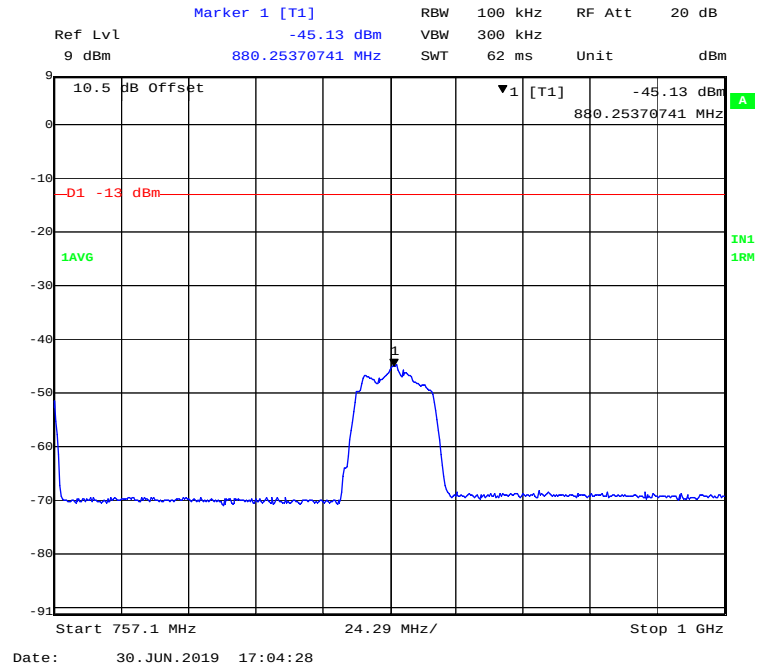
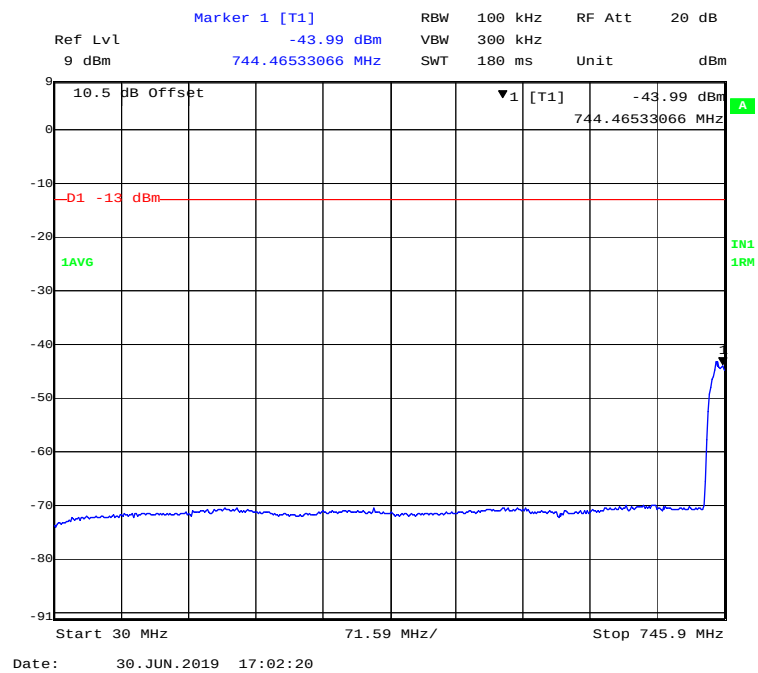


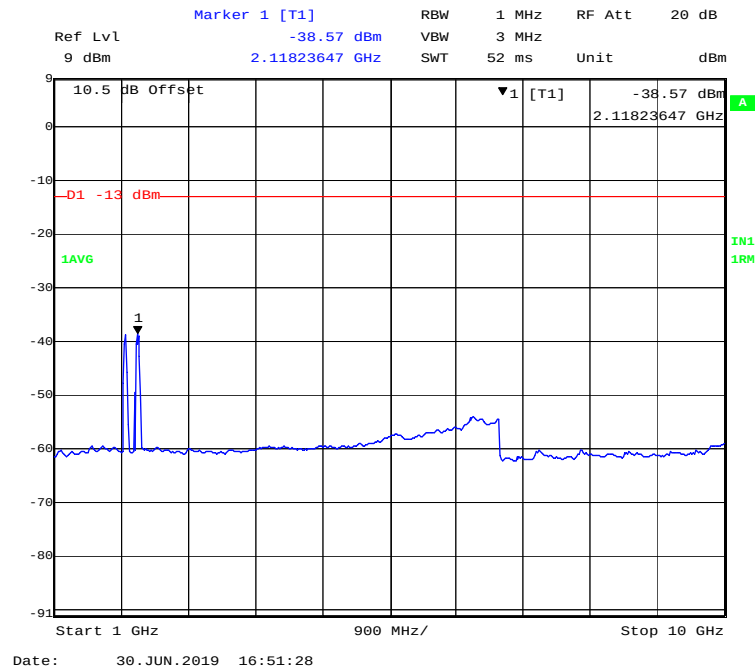
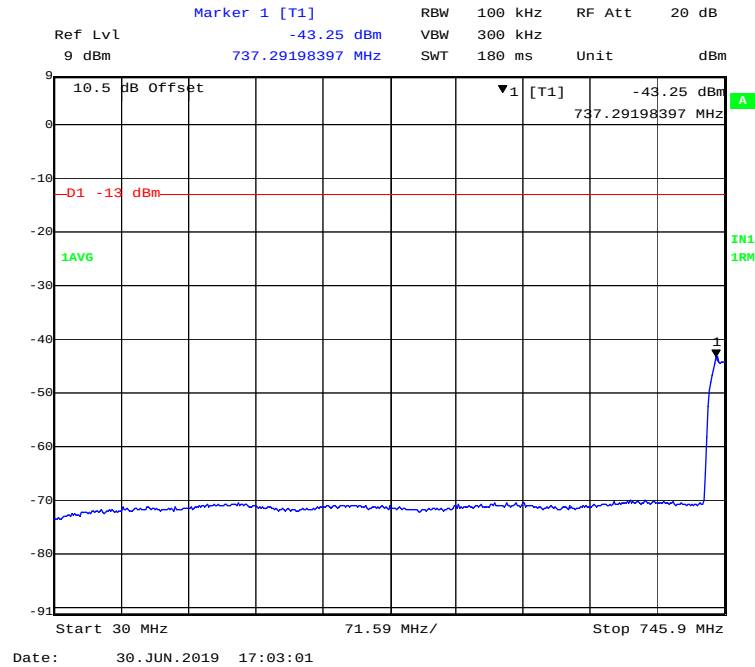
Upper 700MHz (C Block) - AWGN-Pre AGC-Middle Channel

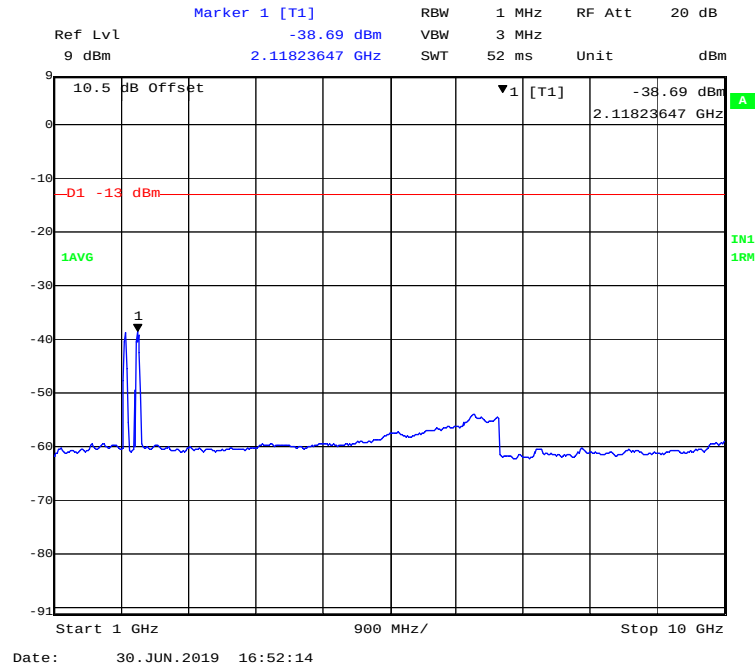
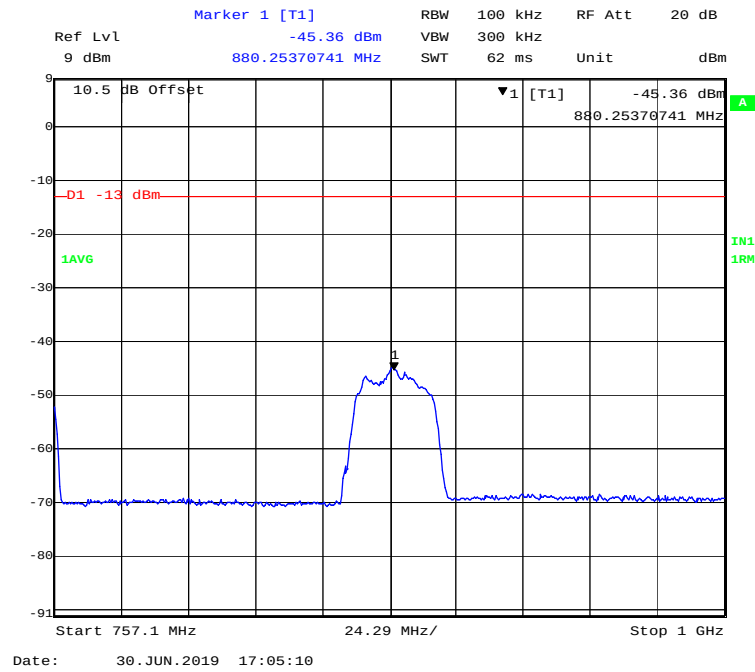




Upper 700MHz (C Block) - AWGN-Pre AGC-High Channel



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



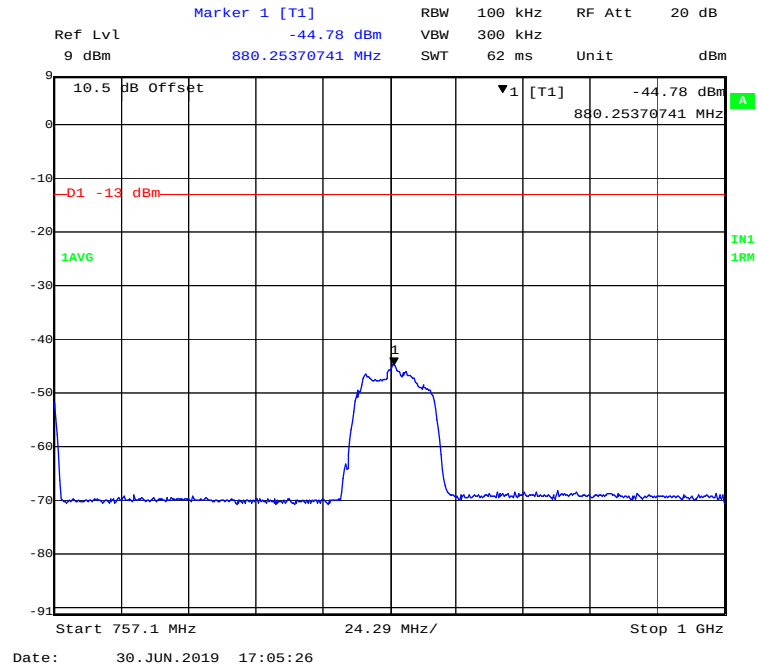
Ref Lvl 9 dBm
 Marker 1 [T1] -43.26 dBm
 RBW 100 kHz
 VBW 300 kHz
 SWT 180 ms
 RF Att 20 dB
 Unit dBm

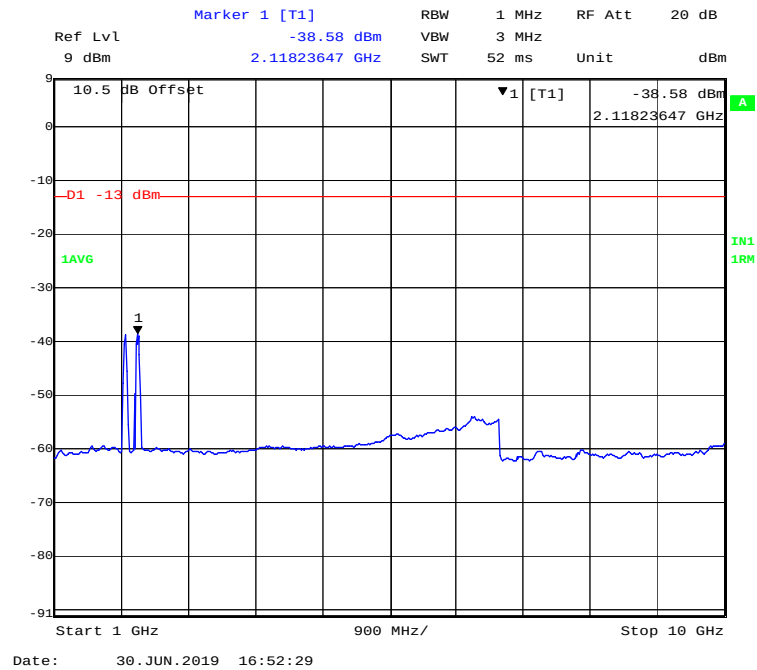
10.5 dB Offset
 ▼1 [T1] -43.26 dBm
 737.29198397 MHz

-D1 -13 dBm
 1AVG
 IN1 1RM

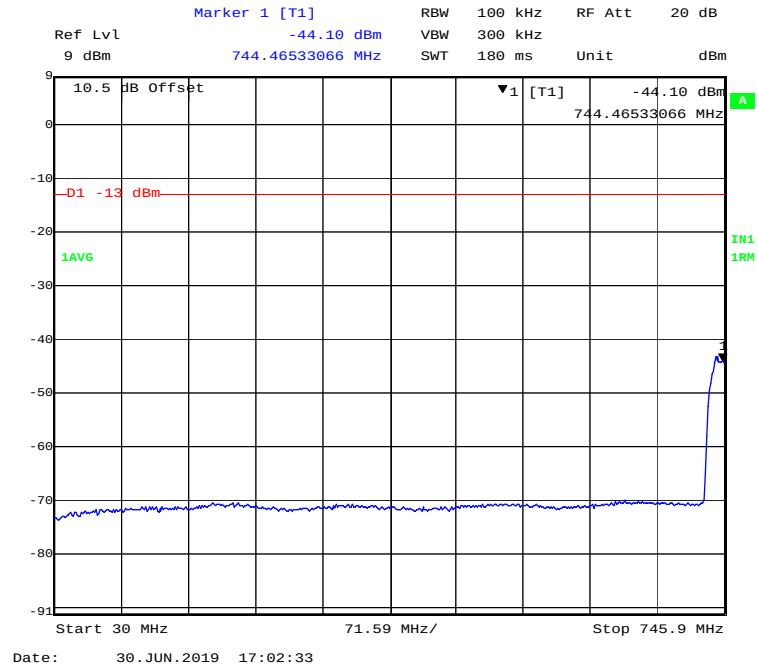
Start 30 MHz
 71.59 MHz/
 Stop 745.9 MHz

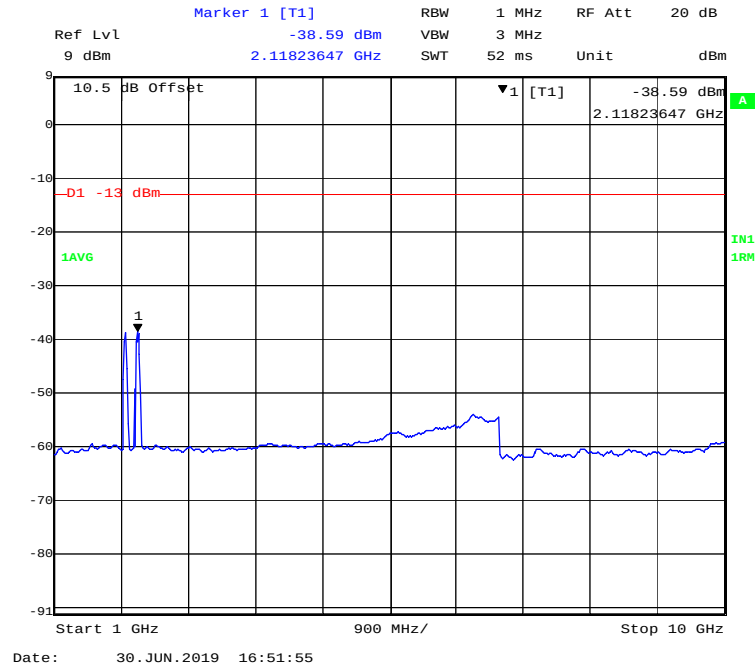
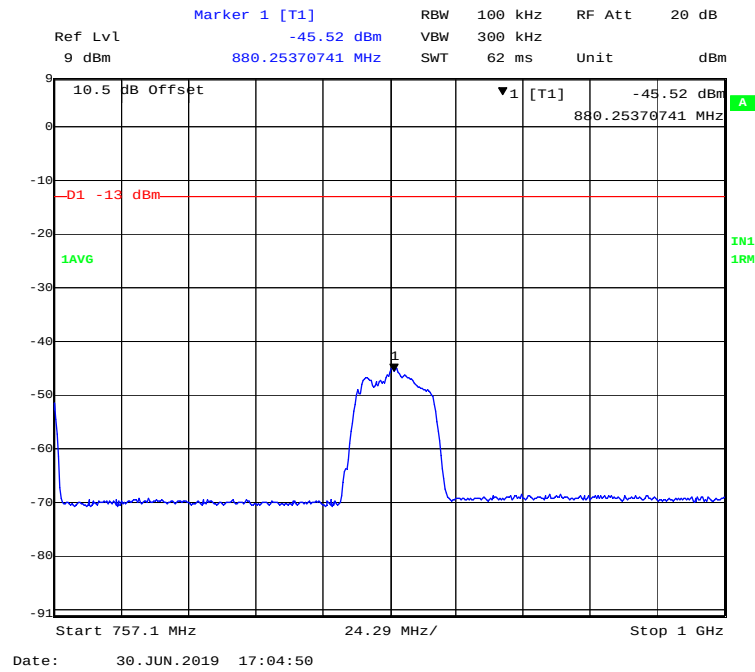
Date: 30.JUN.2019 17:03:18



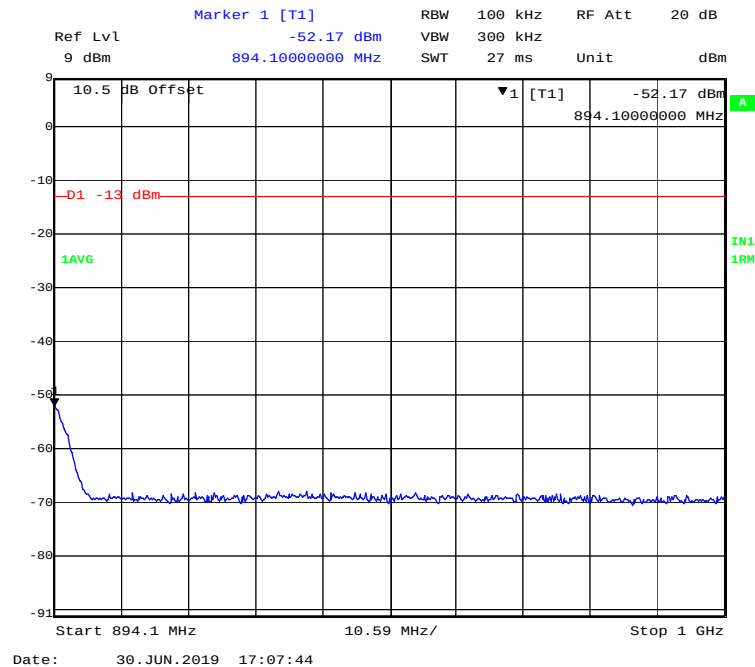
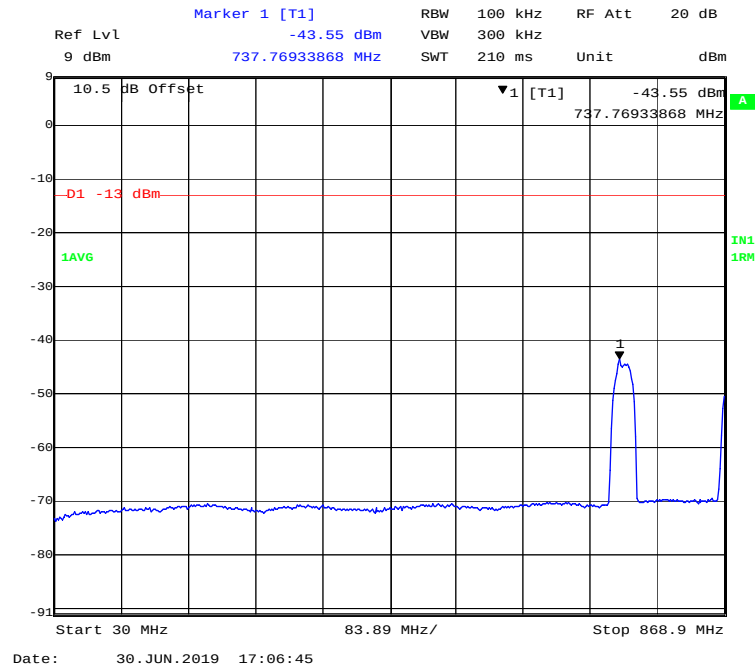


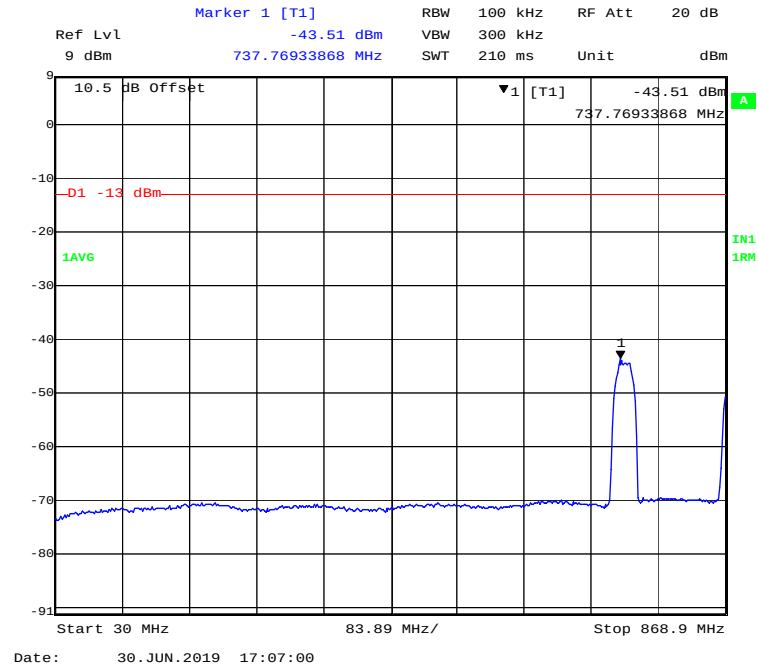
Upper 700MHz (C Block) - GSM-Pre AGC-High Channel

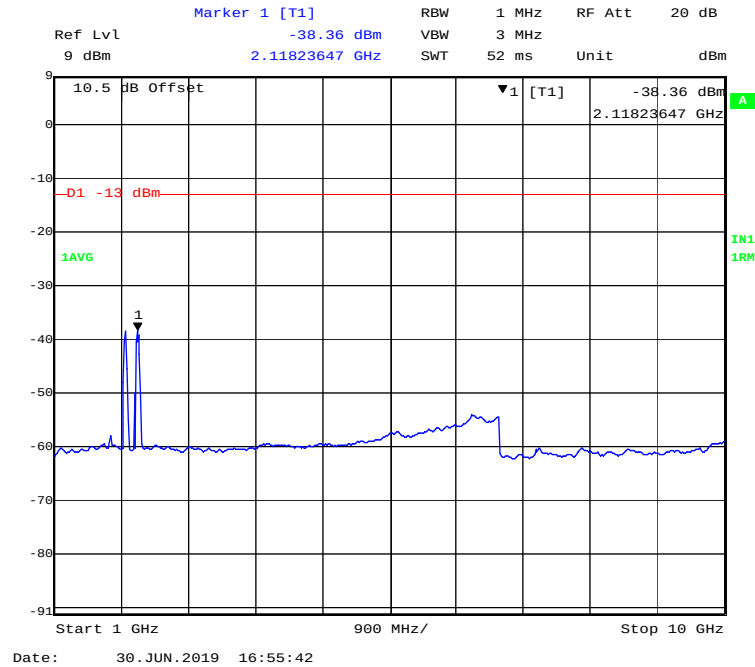
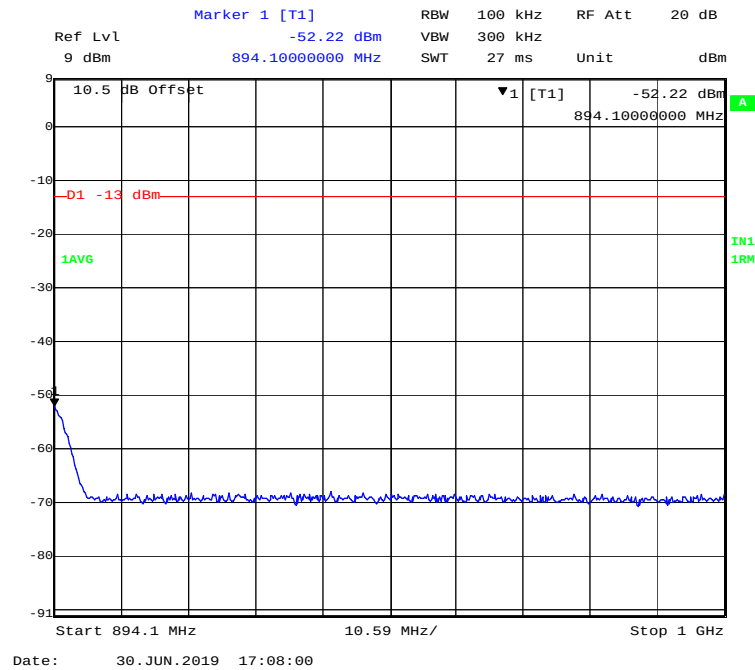




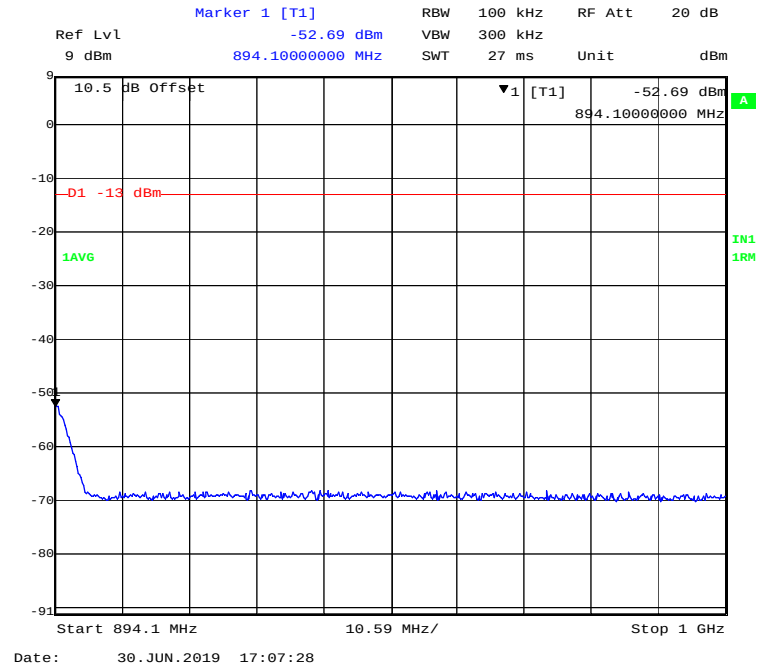
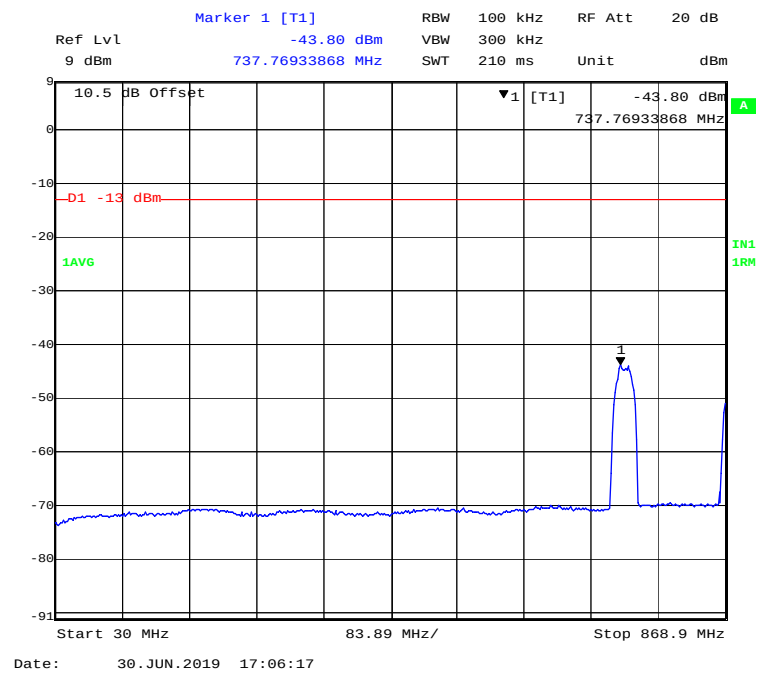
Cellular - AWGN-Pre AGC-Low Channel

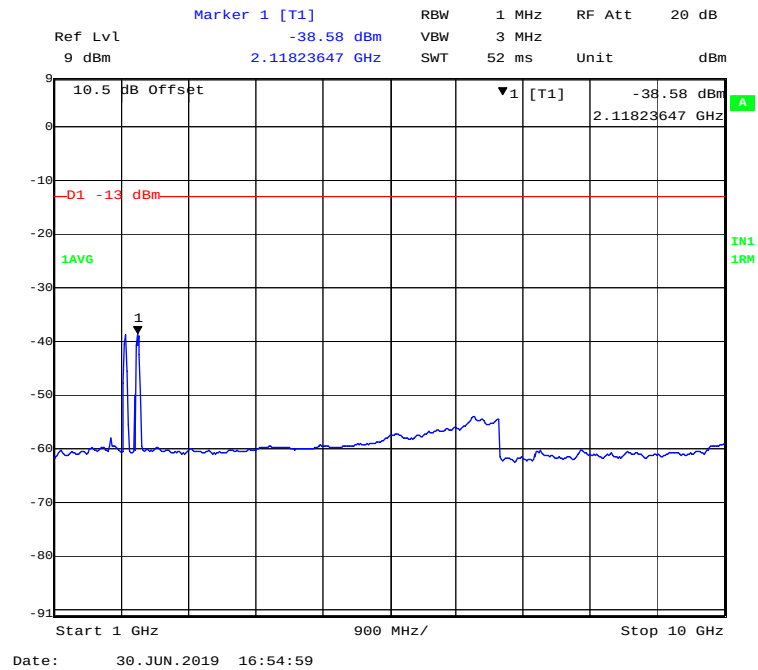


**Cellular - AWGN-Pre AGC-Middle Channel**

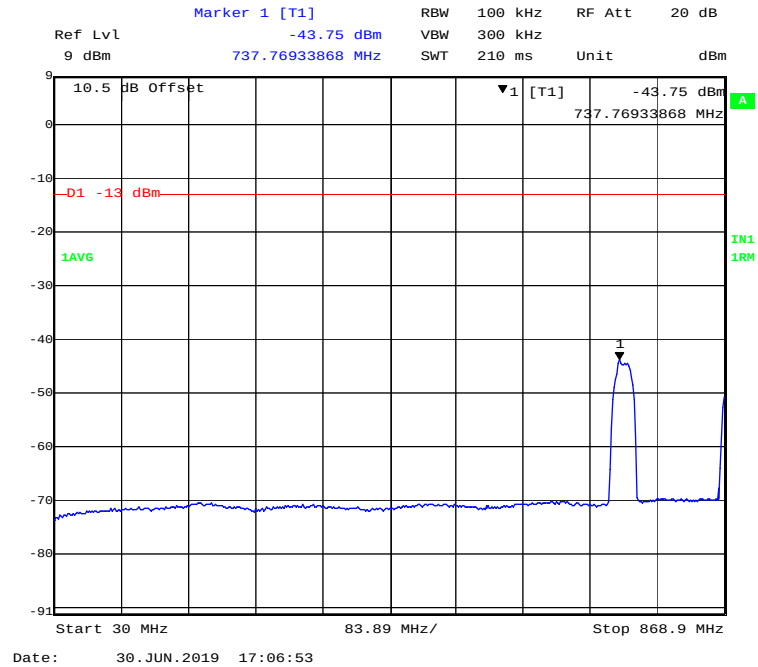


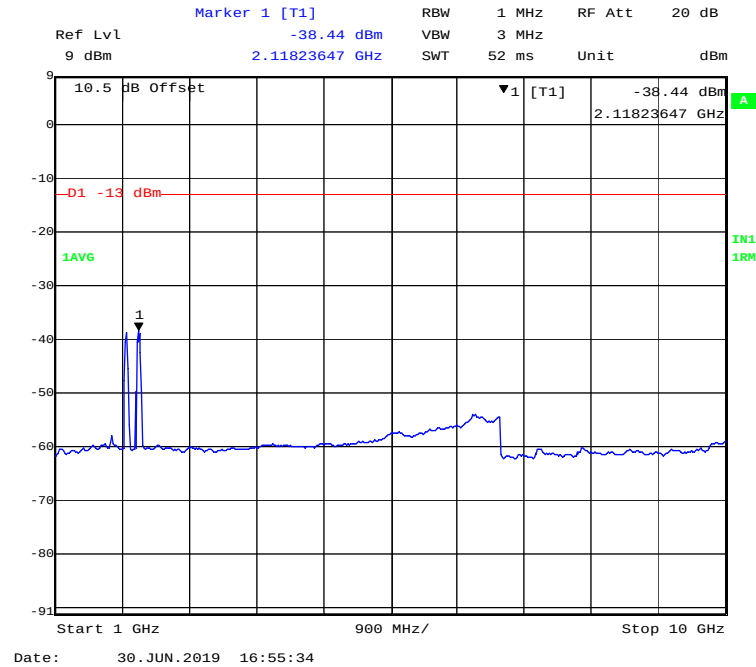
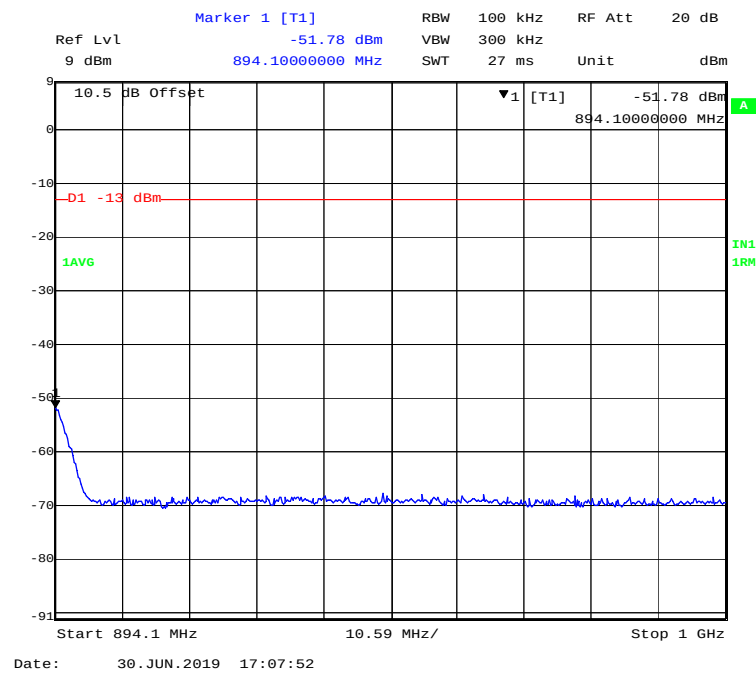
Cellular - AWGN-Pre AGC-High Channel



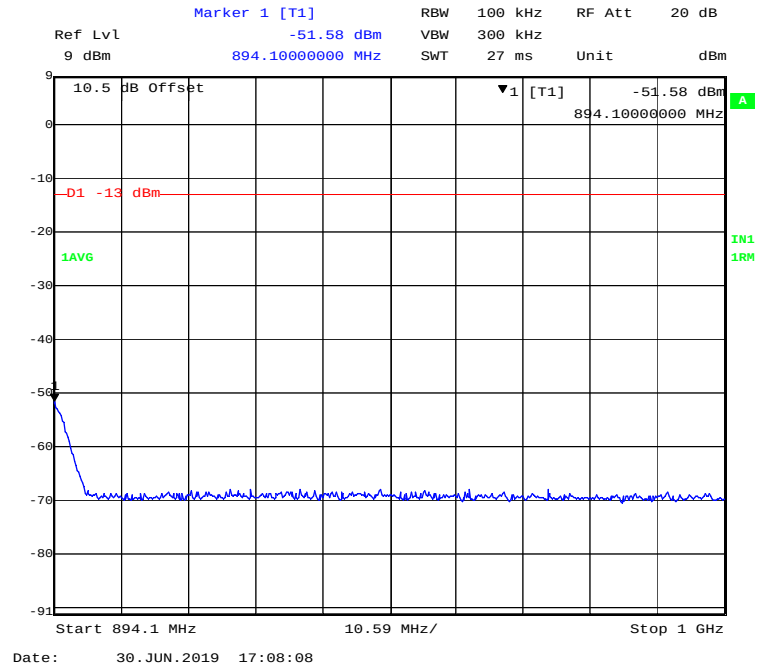
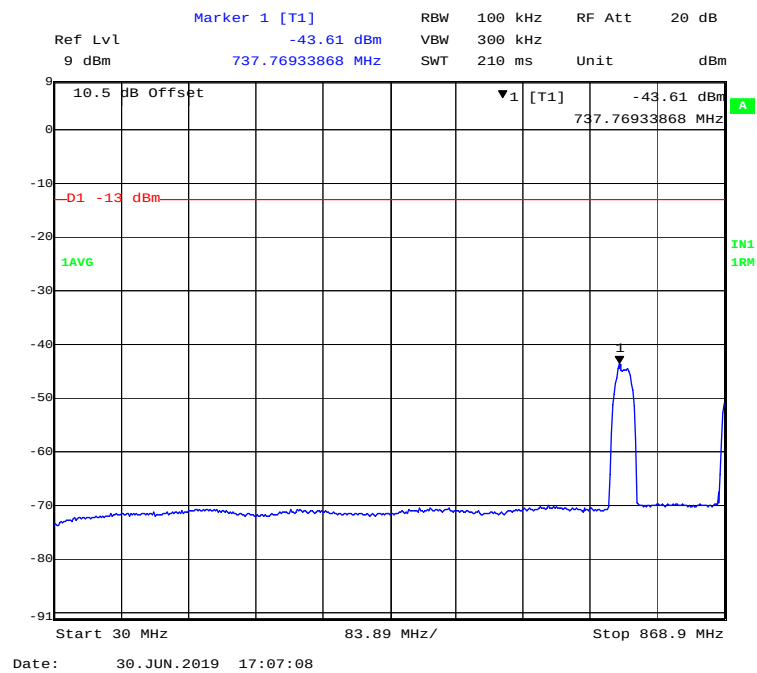


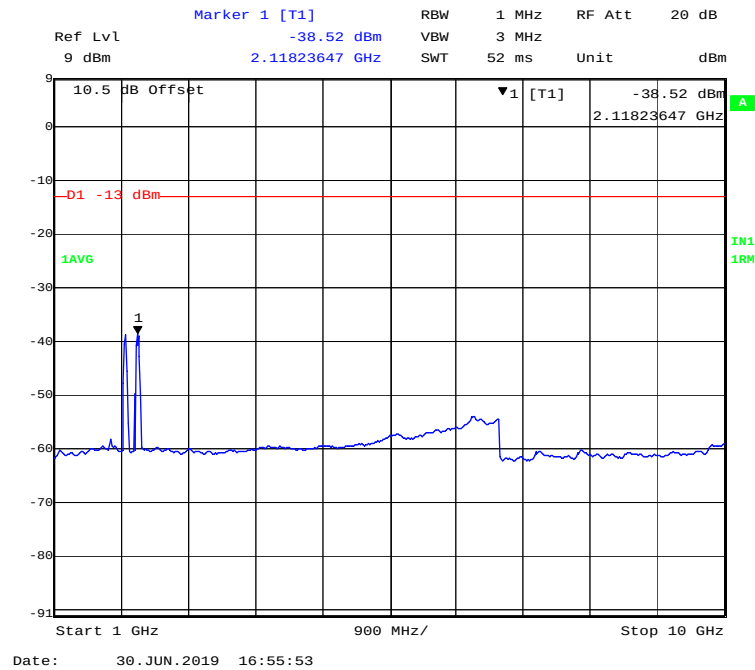
Cellular - GSM-Pre AGC-Low Channel



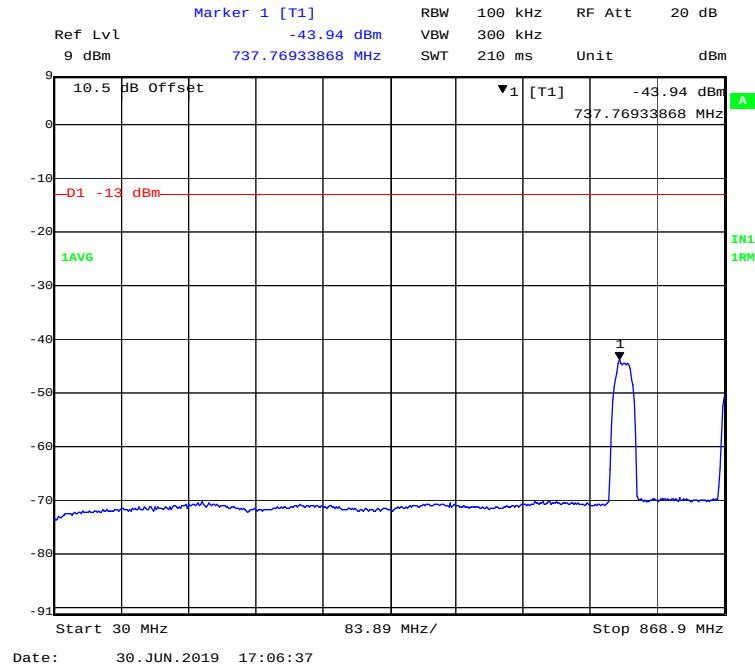


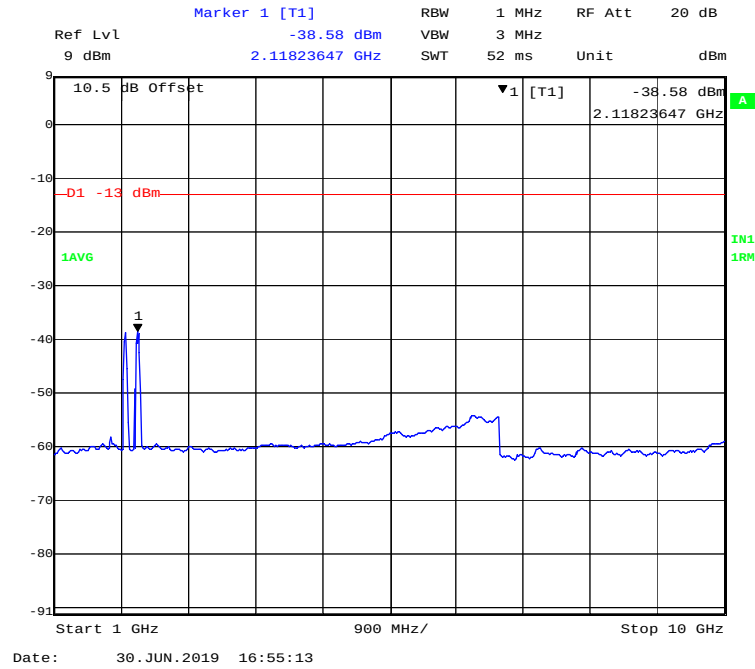
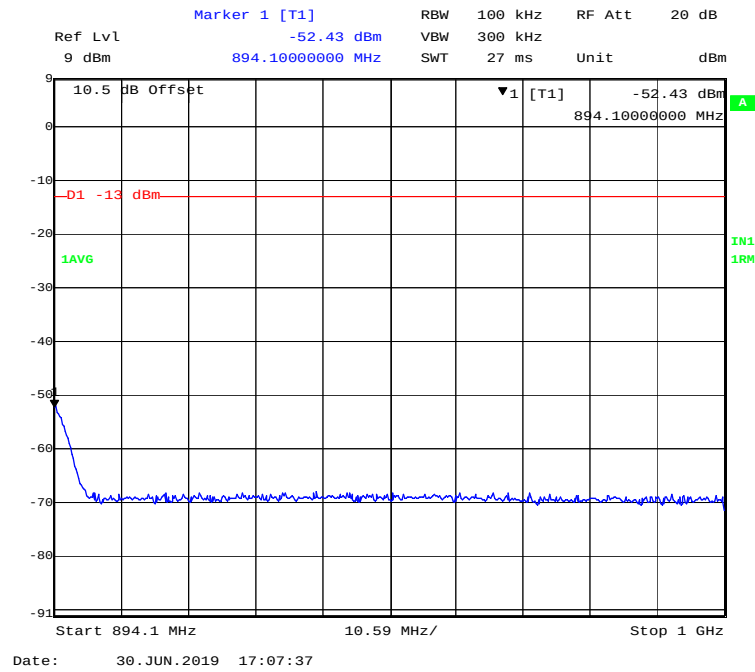
Cellular - GSM-Pre AGC-Middle Channel



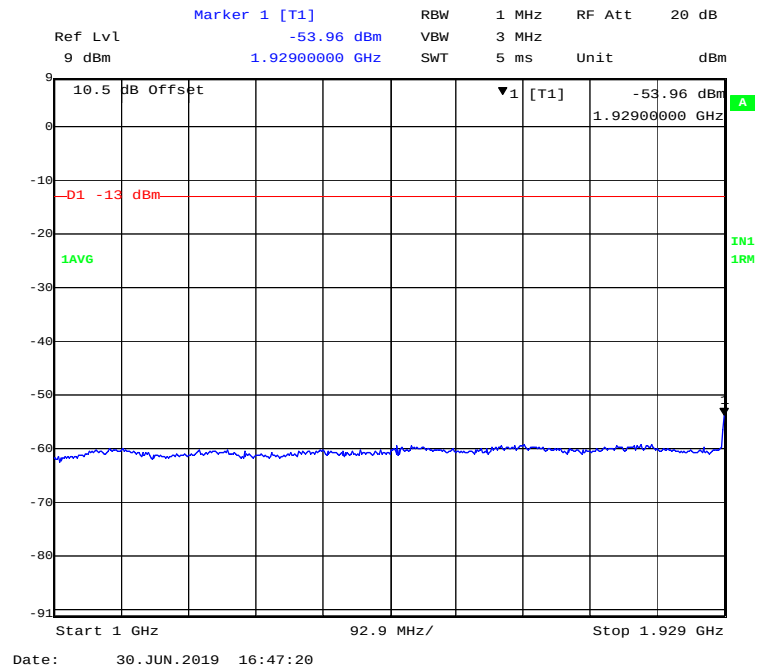
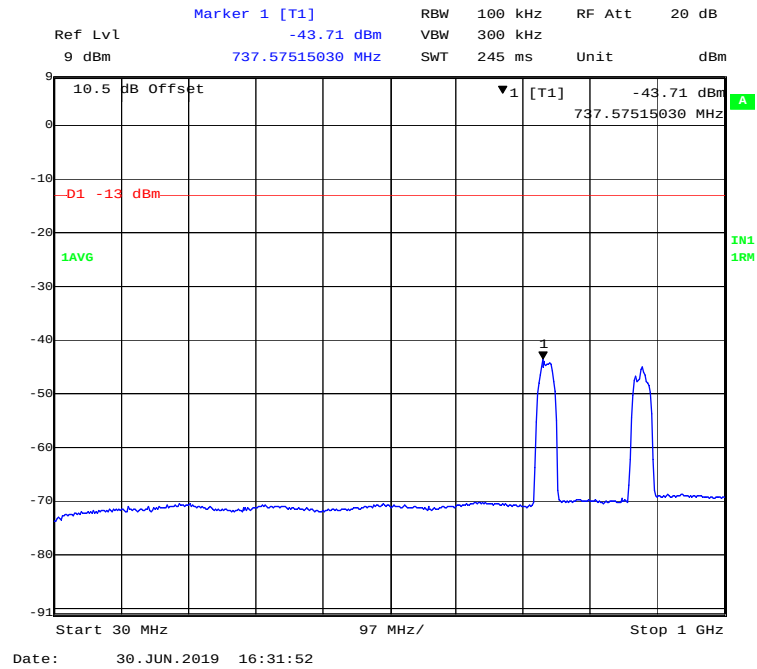


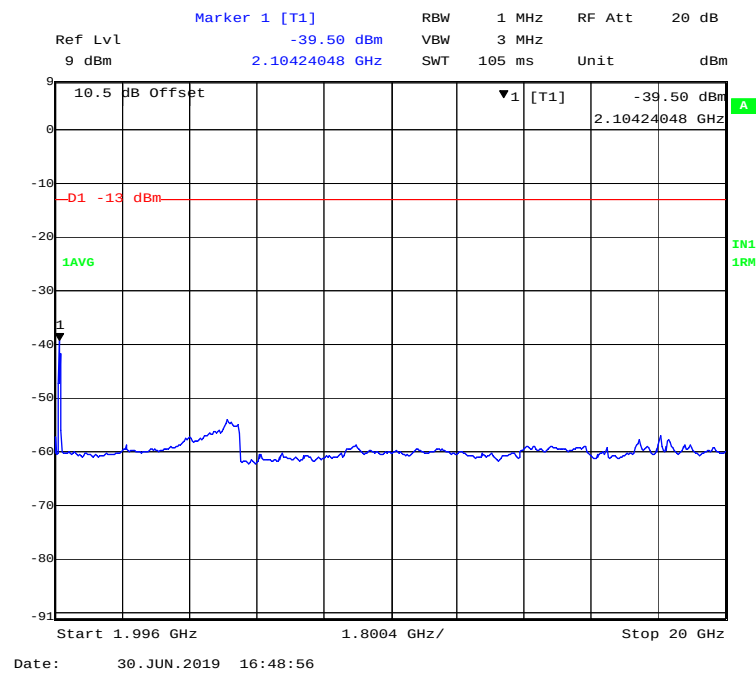
Cellular - GSM-Pre AGC-High Channel



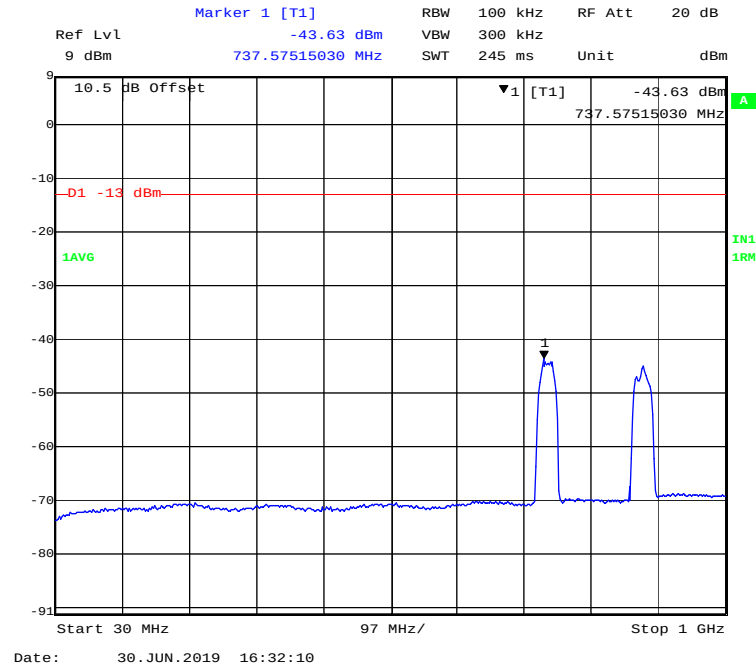


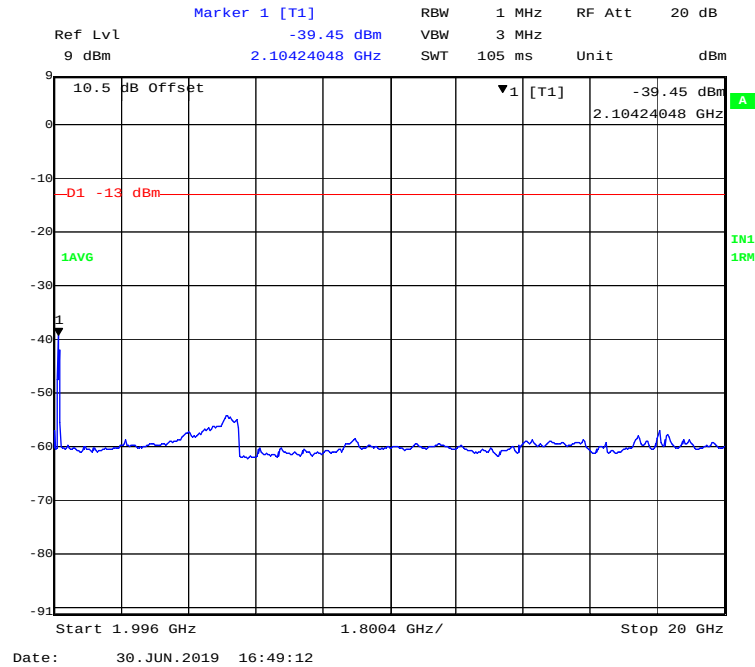
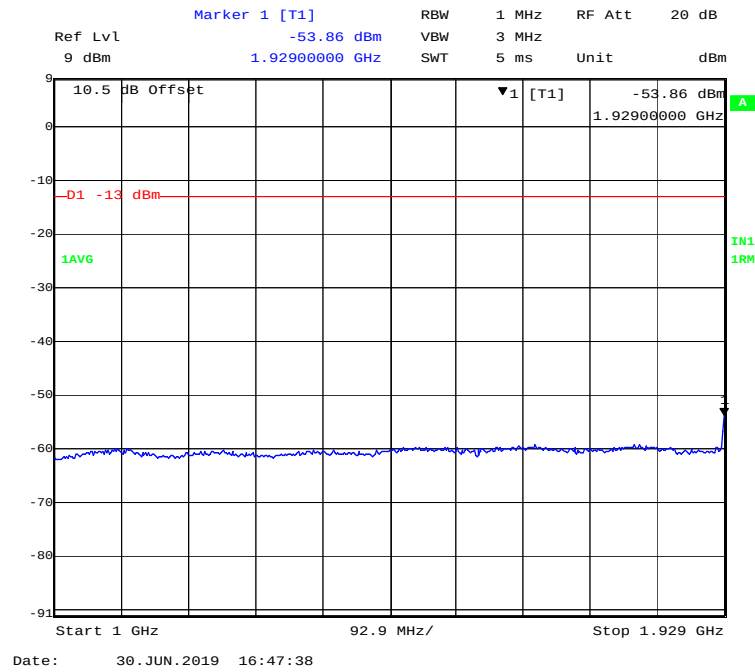
PCS- AWGN-Pre AGC-Low Channel



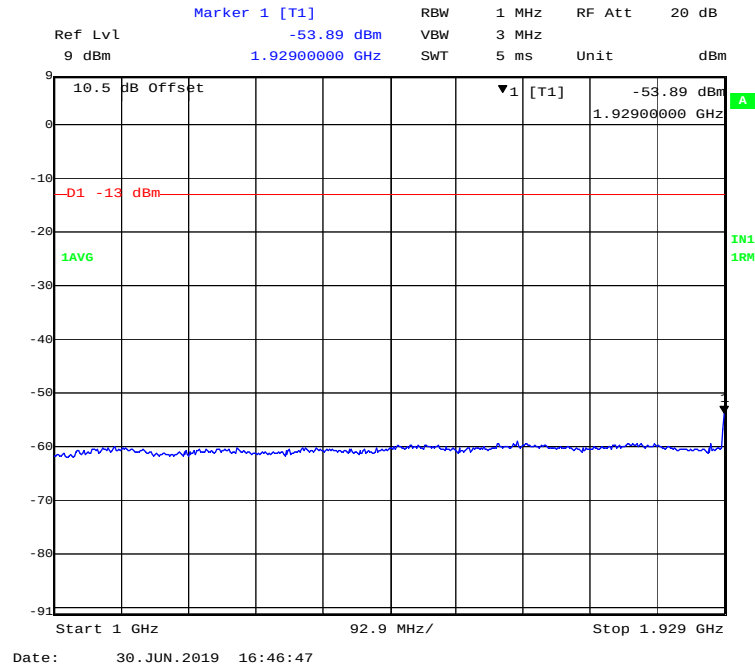
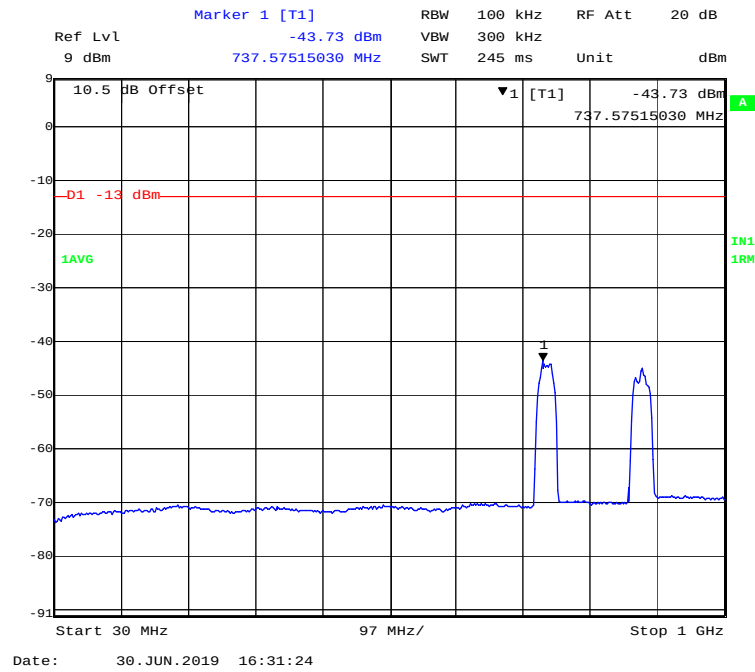


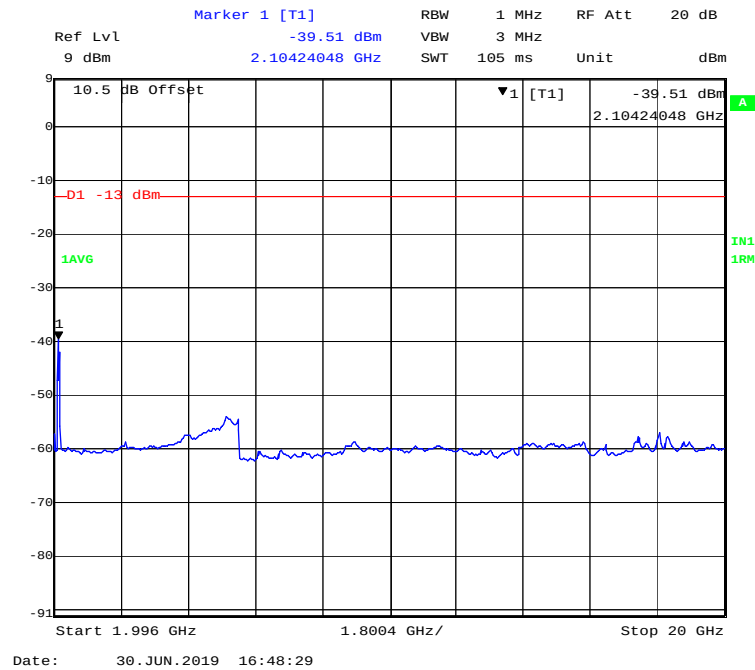
PCS- AWGN-Pre AGC-Middle Channel



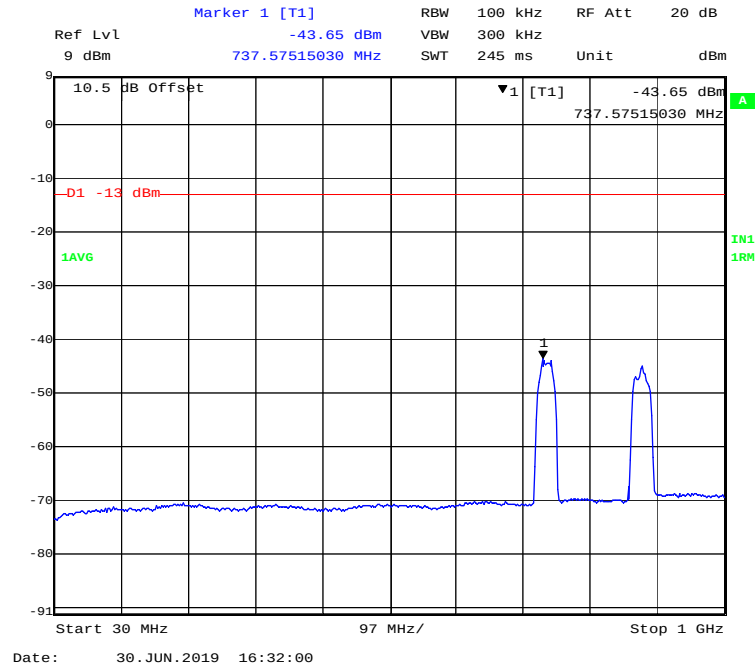


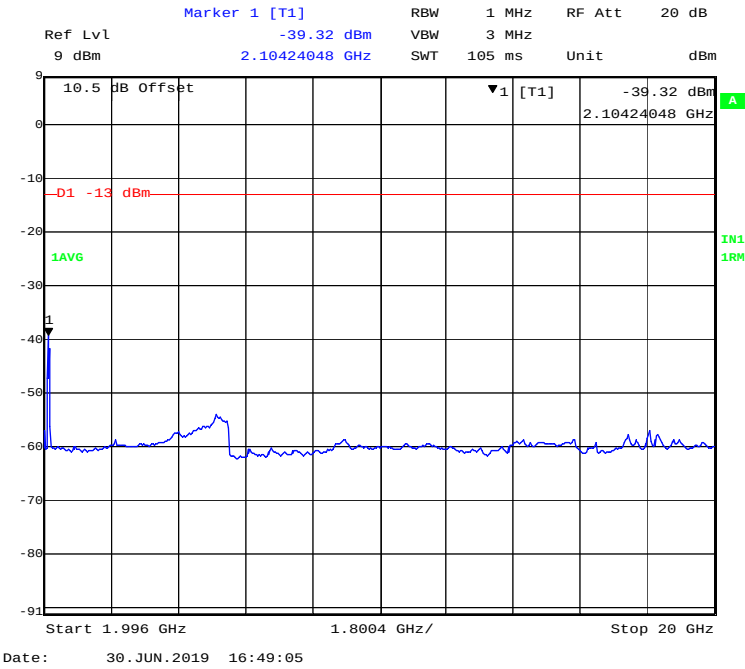
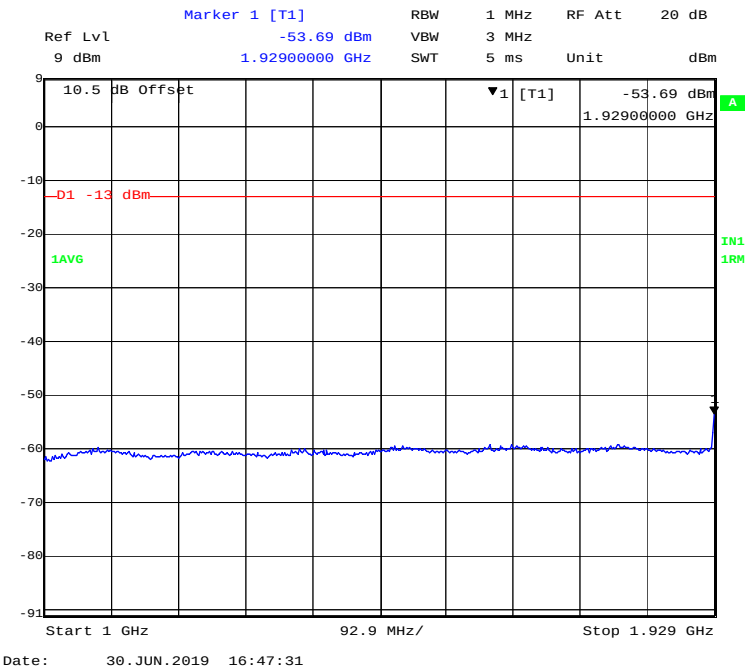
PCS- AWGN-Pre AGC-High Channel



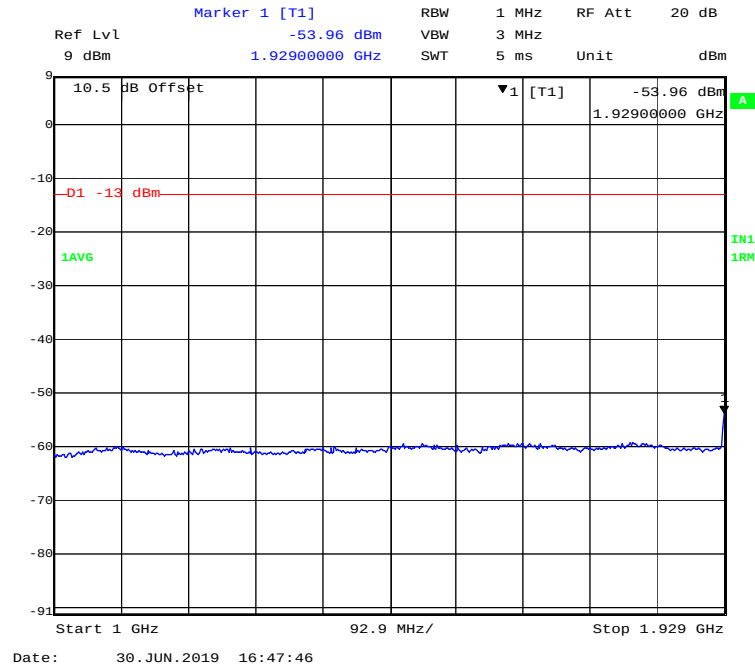
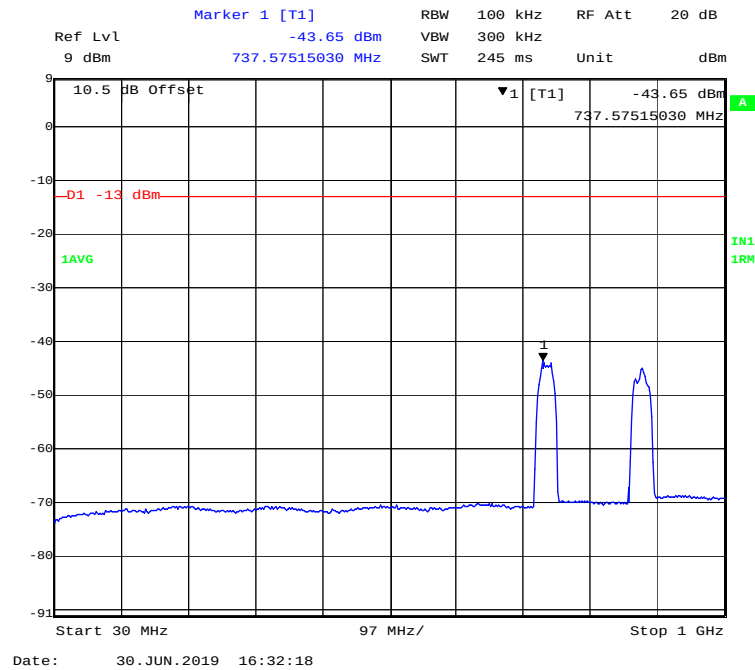


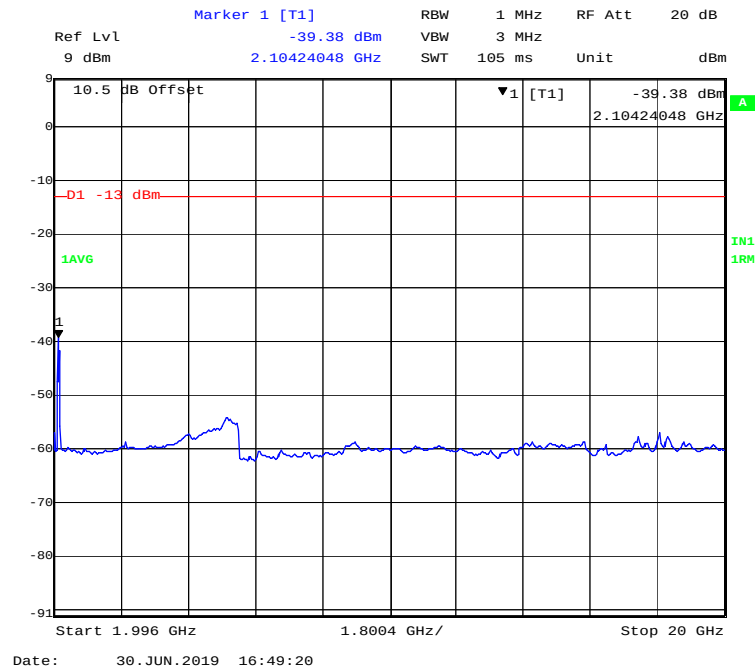
PCS- GSM-Pre AGC-Low Channel



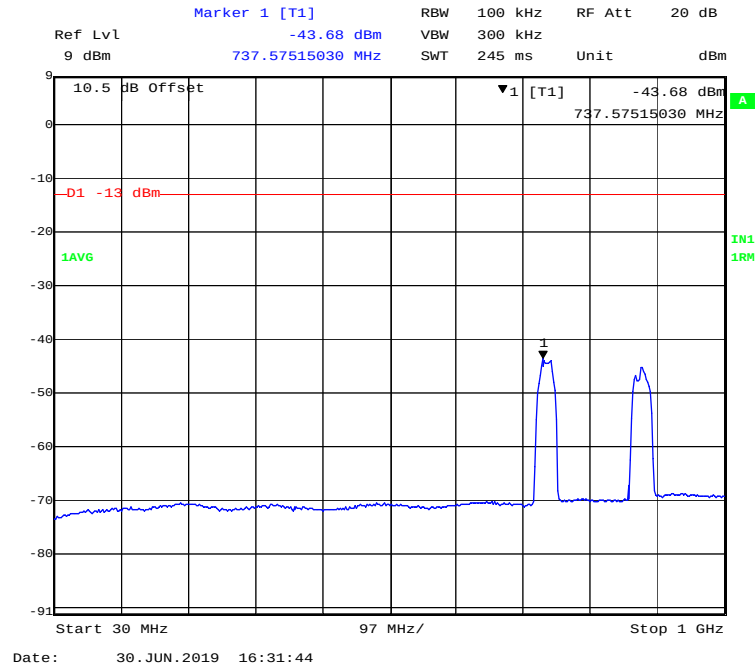


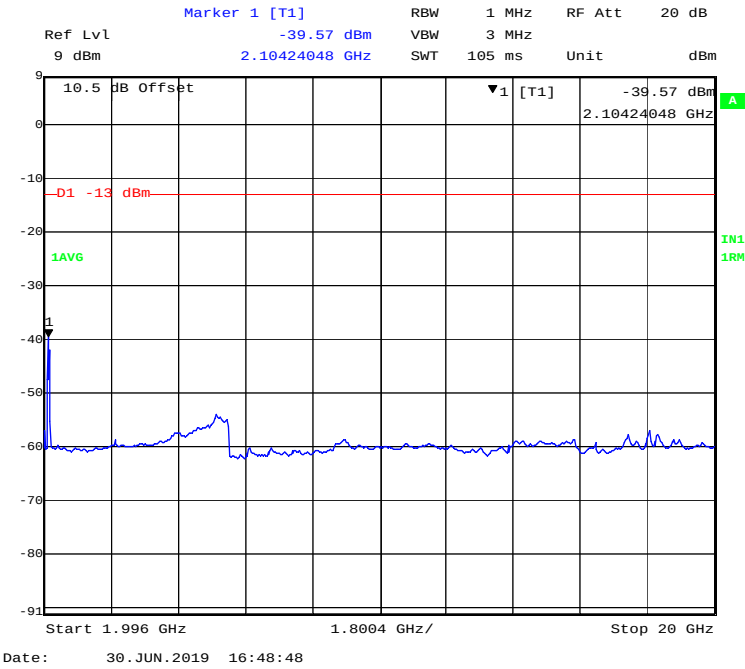
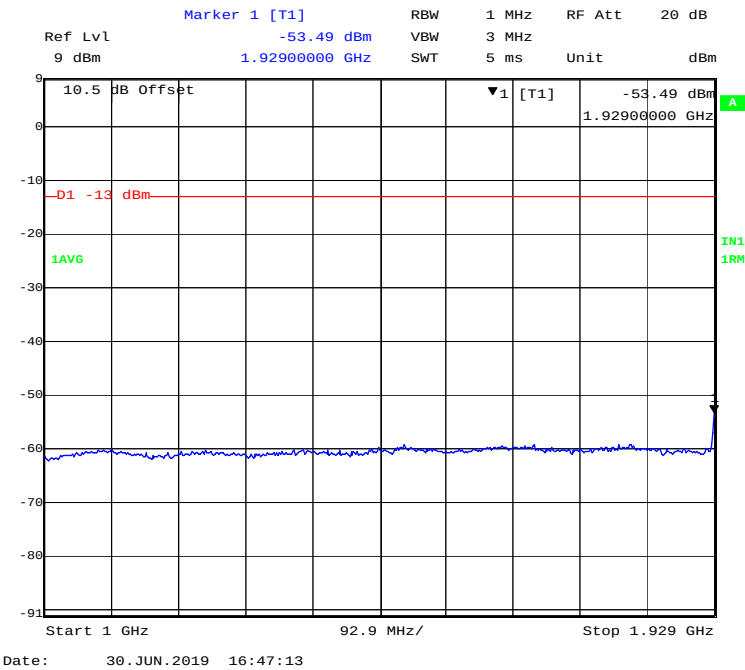
PCS- GSM-Pre AGC-Middle Channel



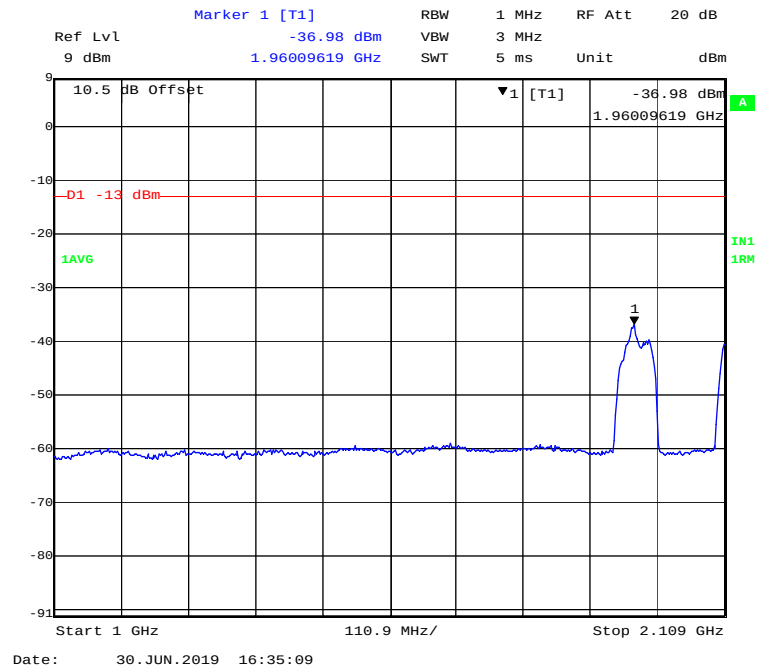
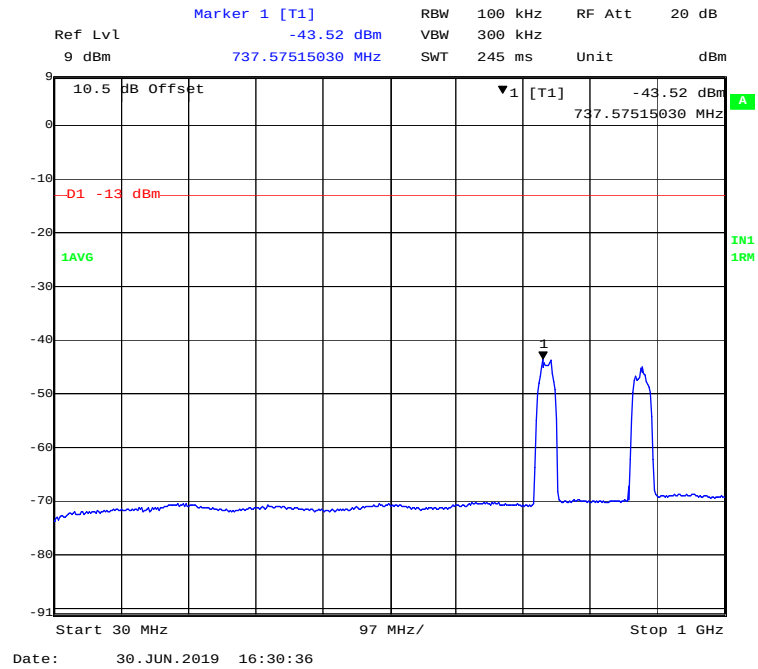


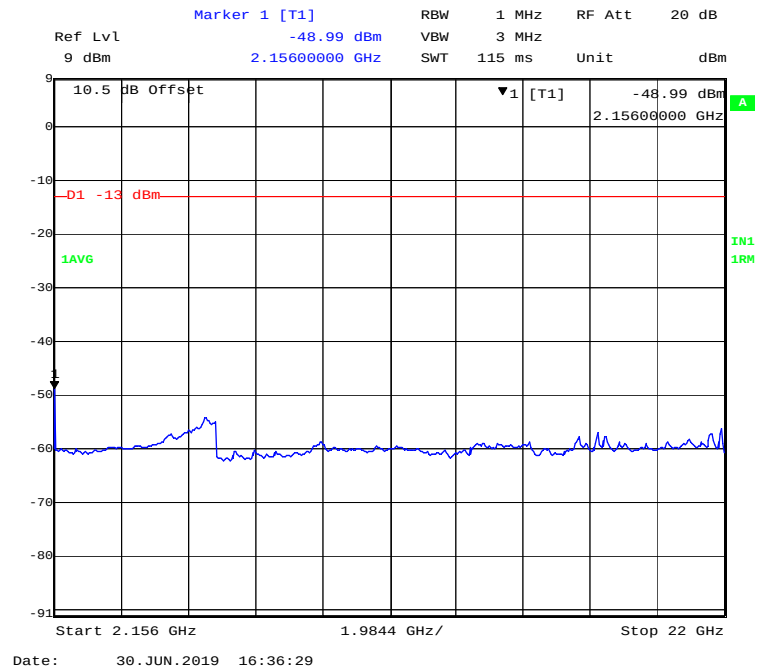
PCS- GSM-Pre AGC-High Channel



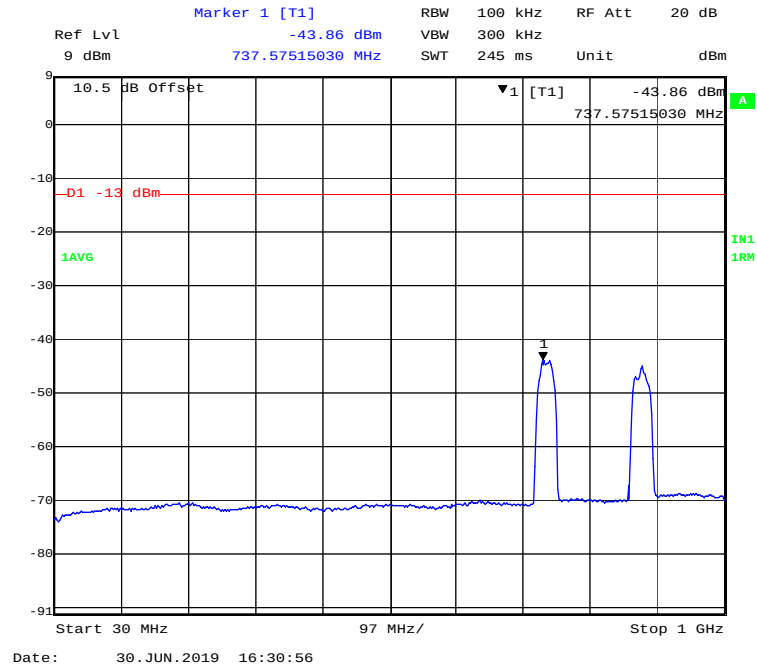


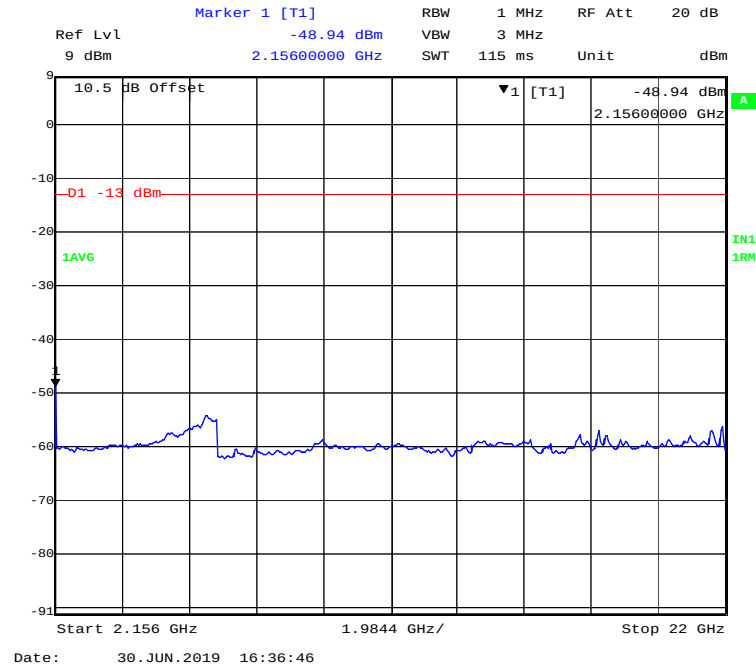
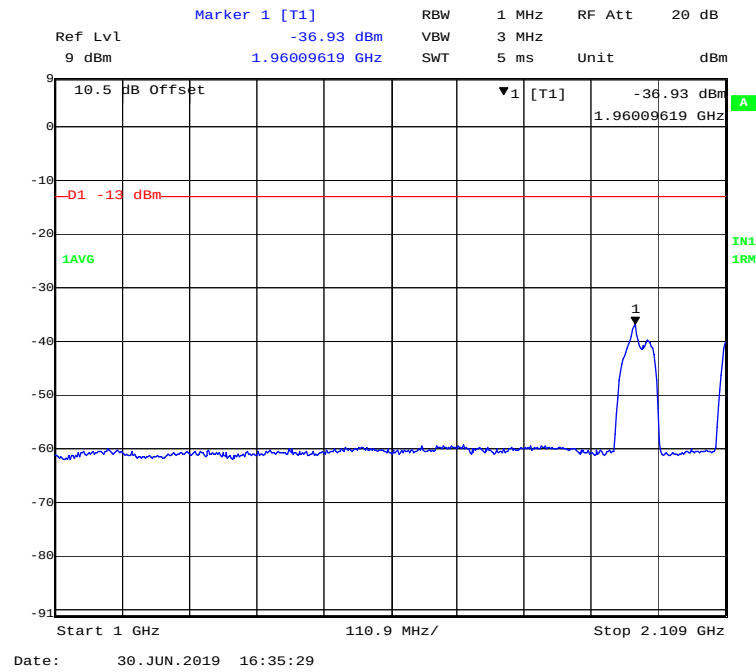
AWS- AWGN-Pre AGC-Low Channel



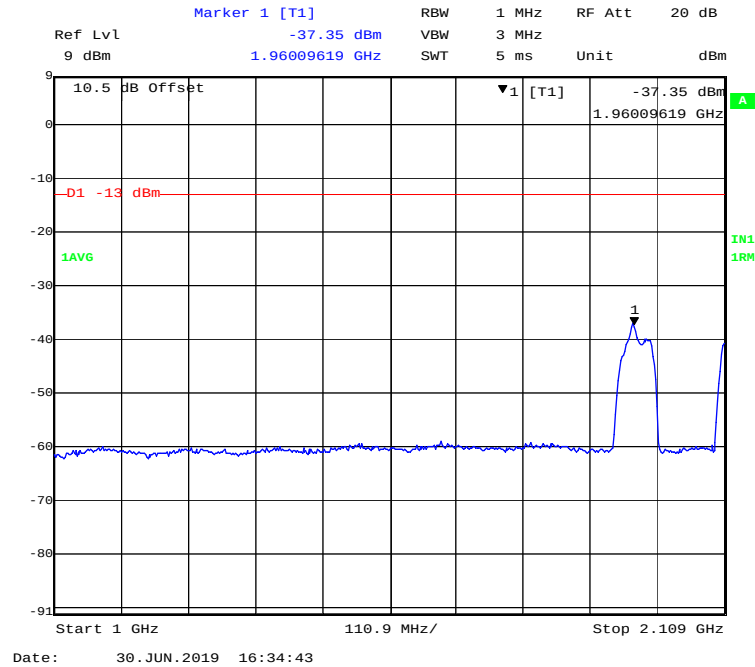
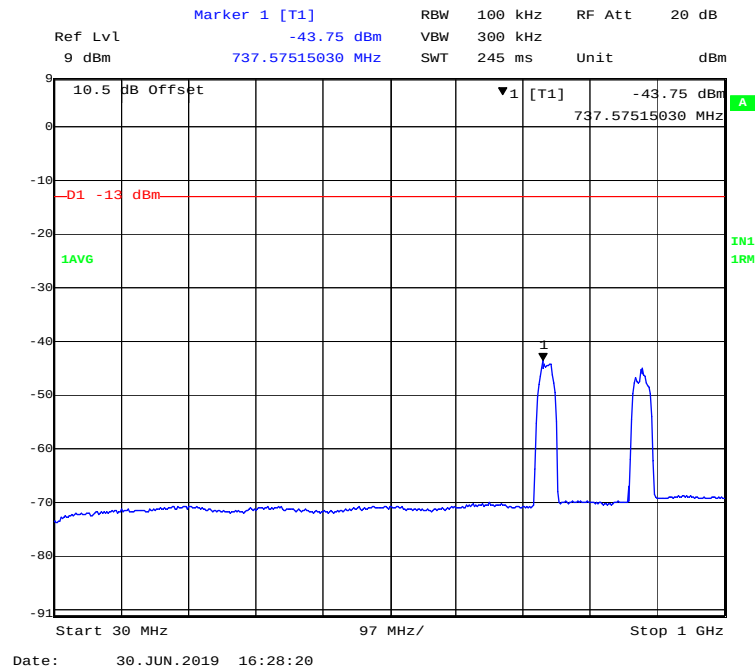


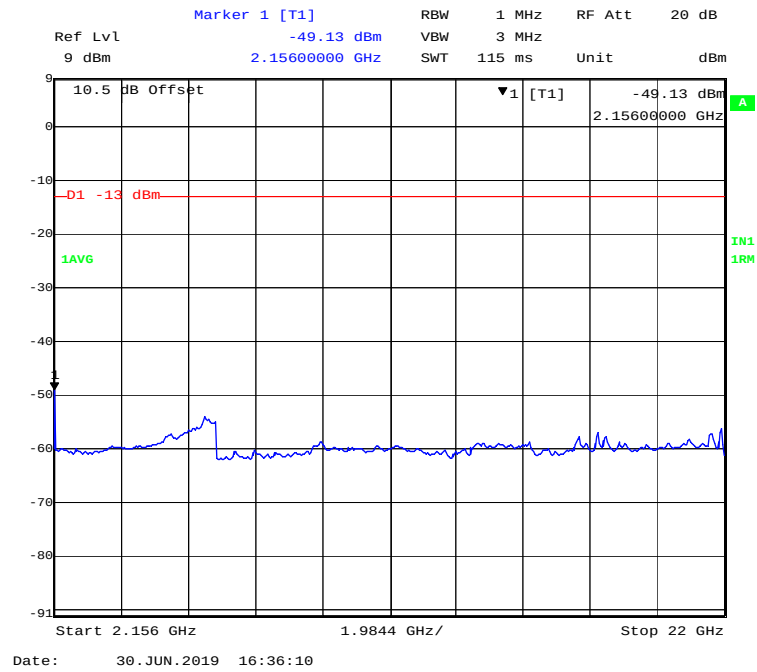
AWS- AWGN-Pre AGC-Middle Channel



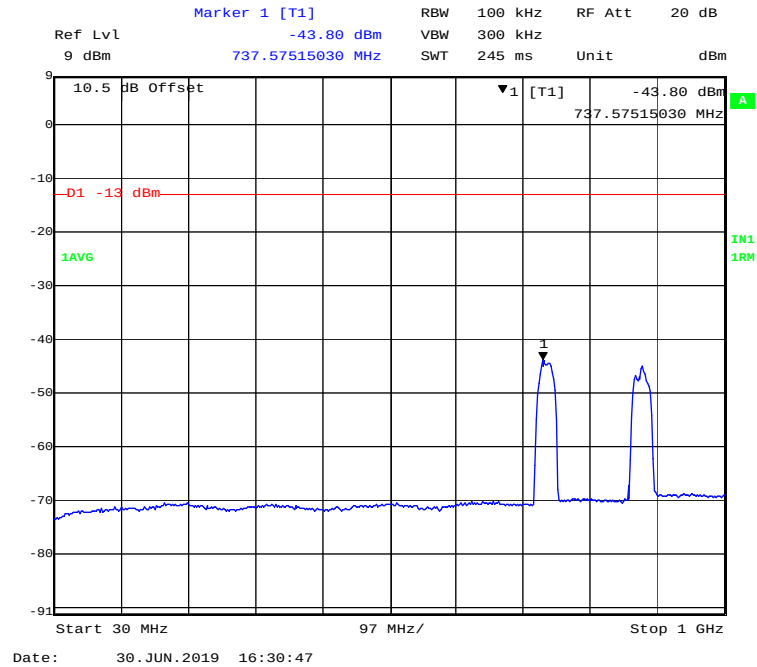


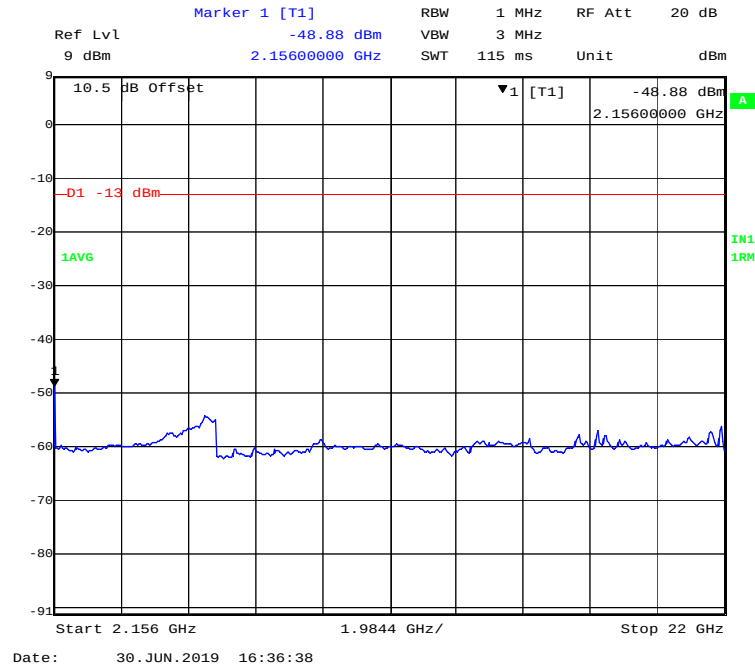
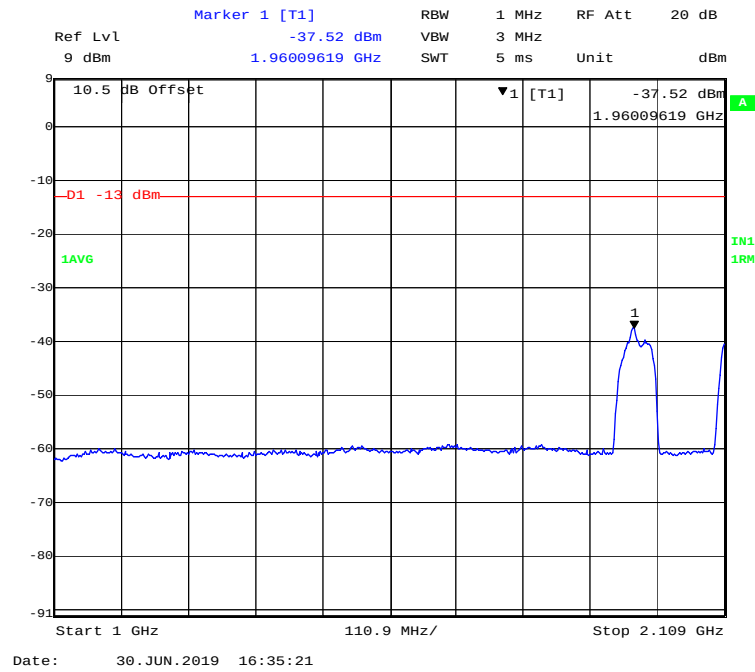
AWS- AWGN-Pre AGC-High Channel



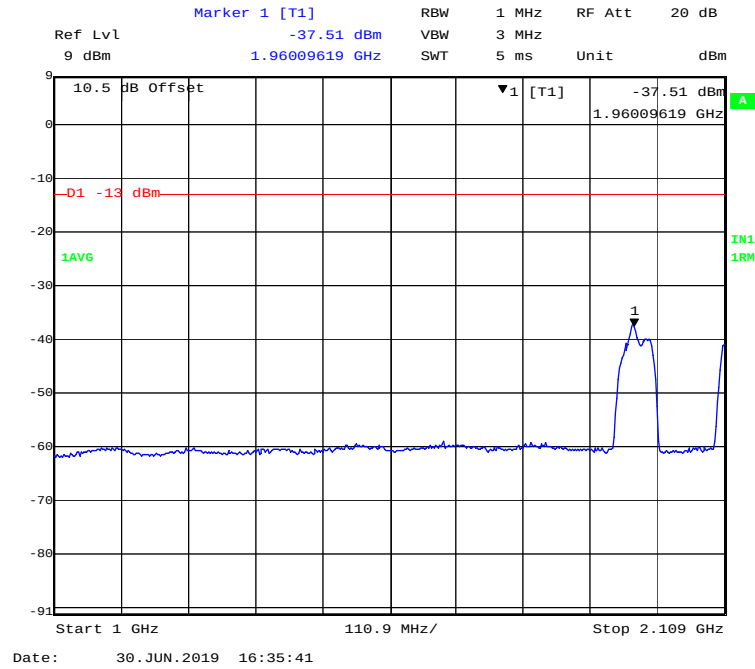
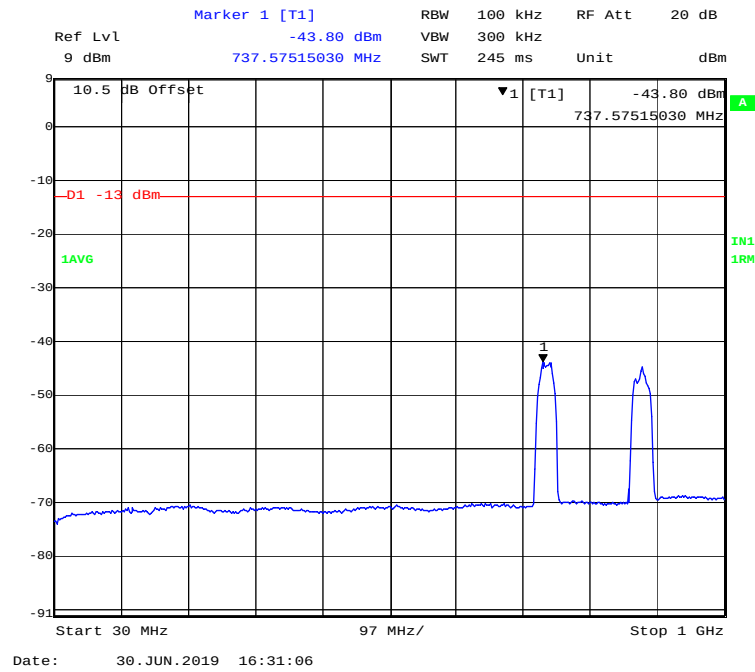


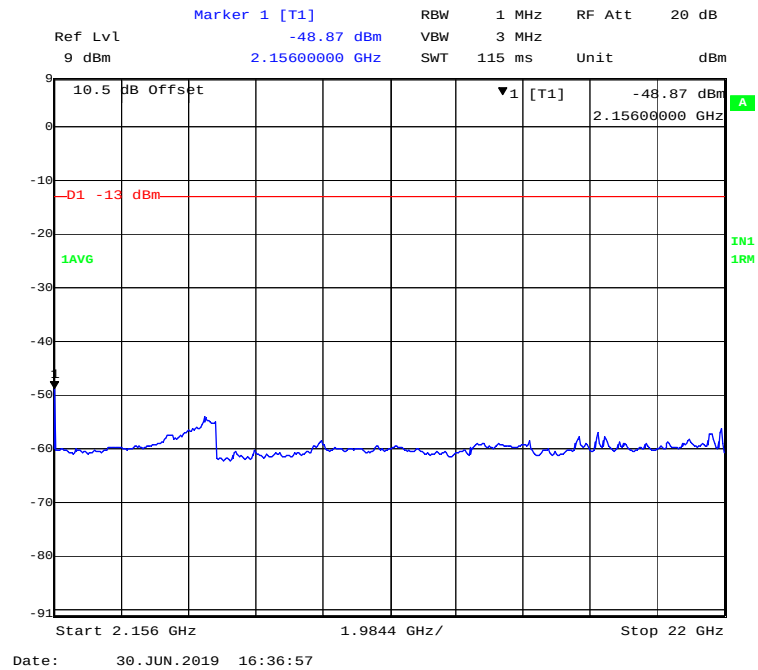
AWS- GSM-Pre AGC-Low Channel



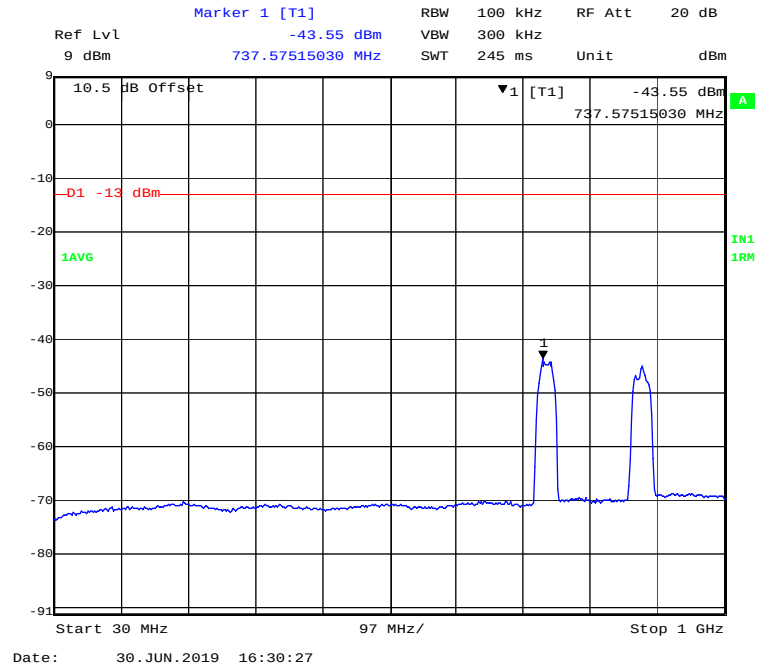


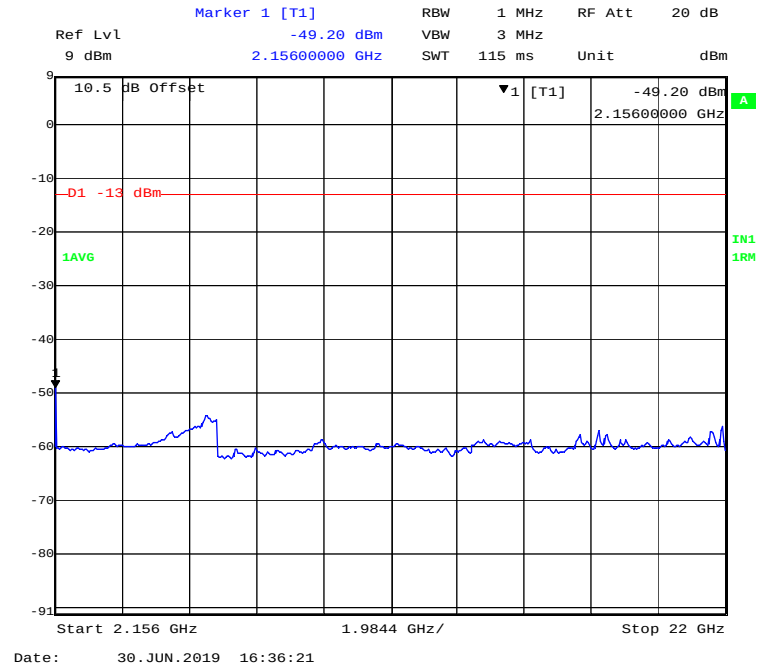
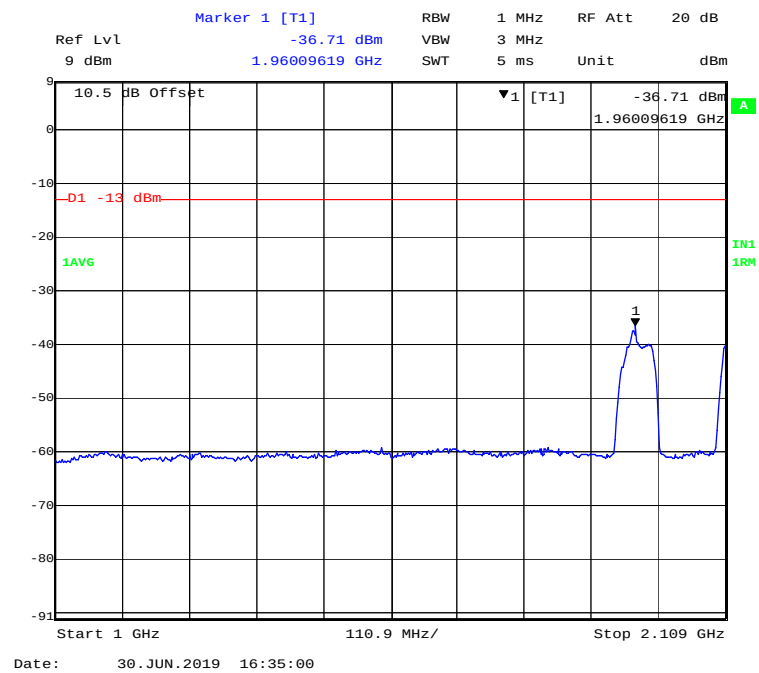
AWS- GSM-Pre AGC-Middle Channel





AWS- GSM-Pre AGC-High Channel

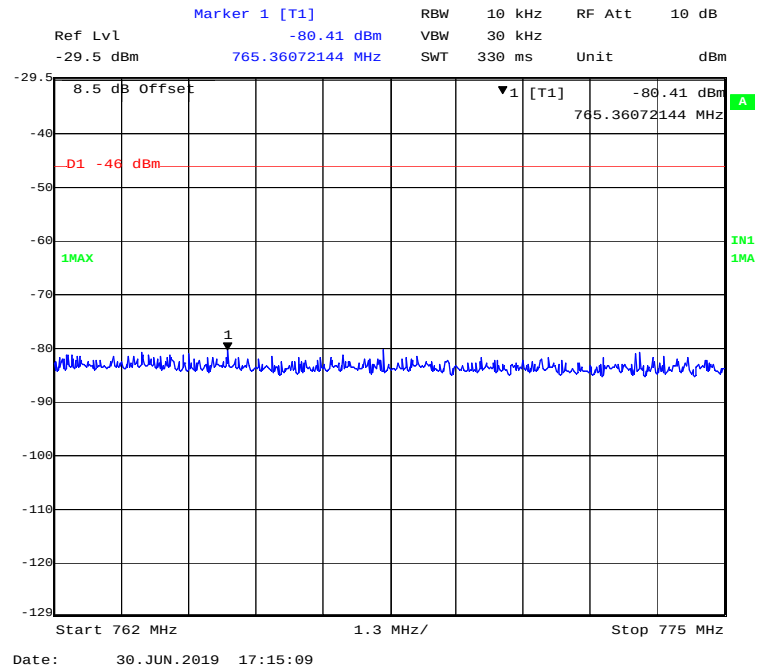




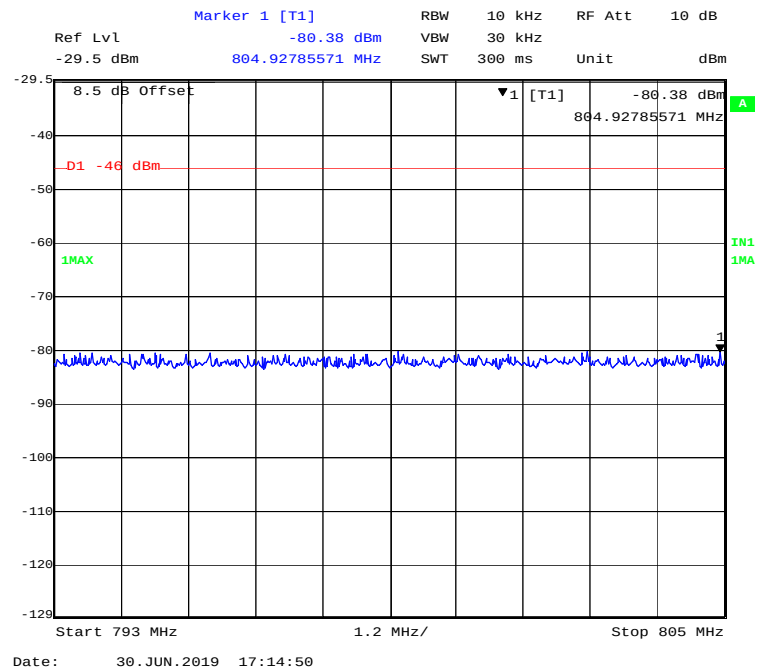
Downlink:

Additional requirement for upper 700MHz band

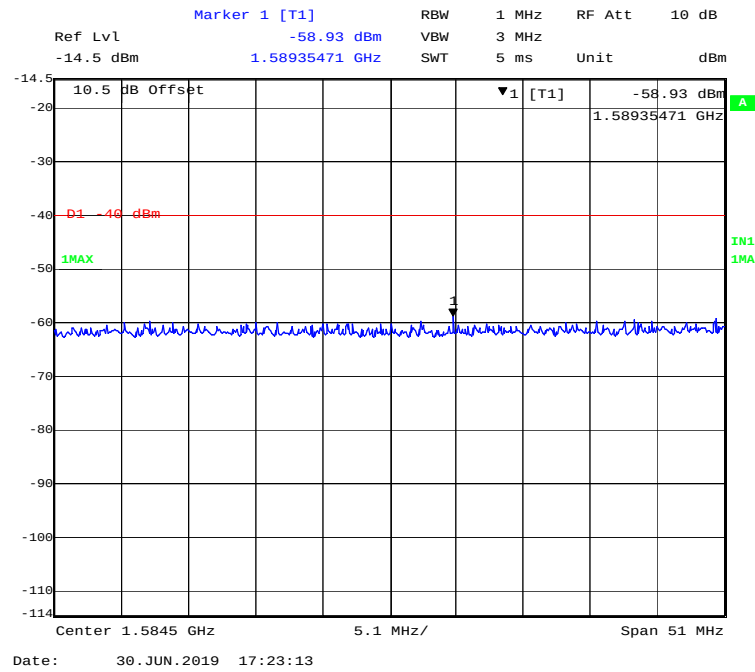
763 MHz~775 MHz



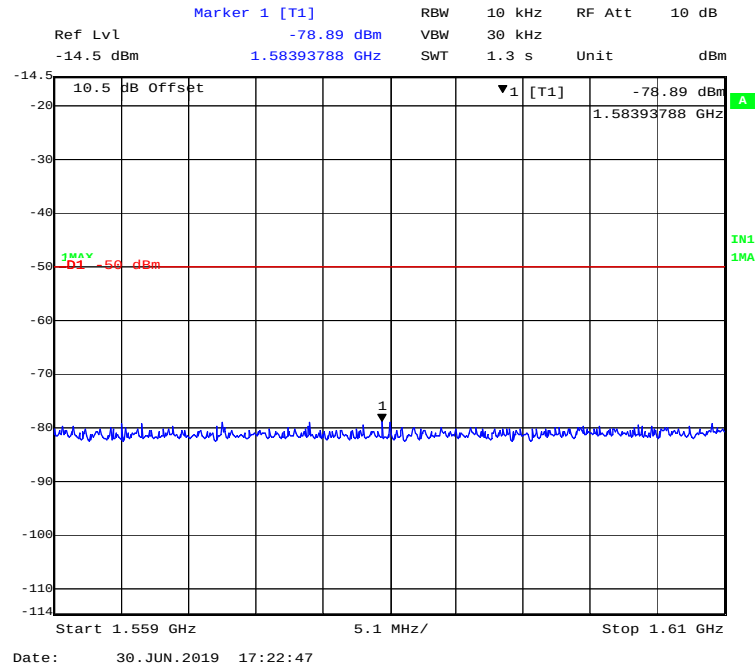
793 MHz~805 MHz



1559 MHz~1610 MHz (wide band)

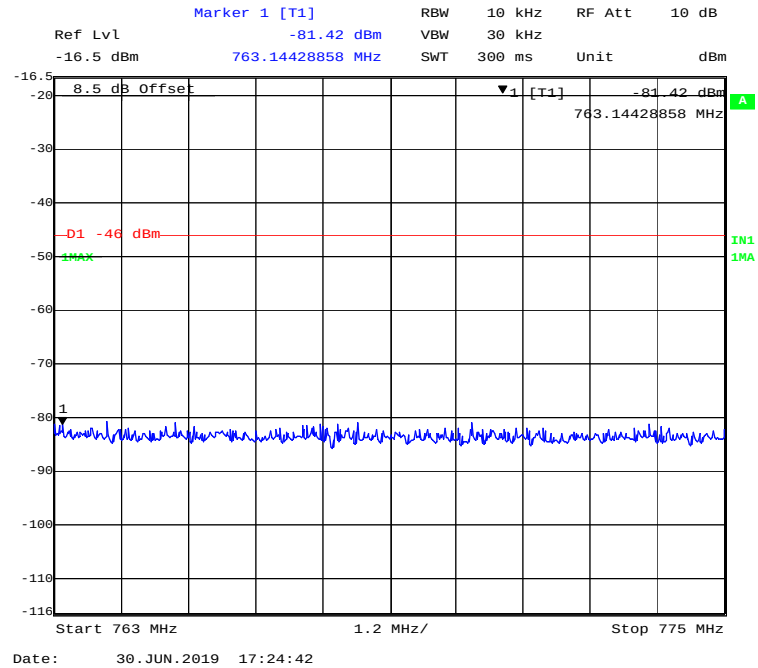


1559 MHz~1610 MHz (narrow band)

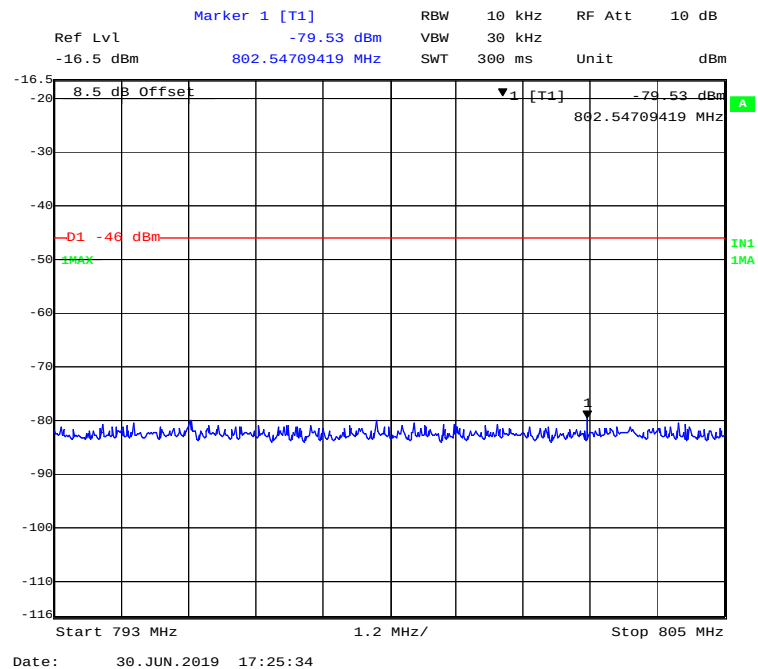


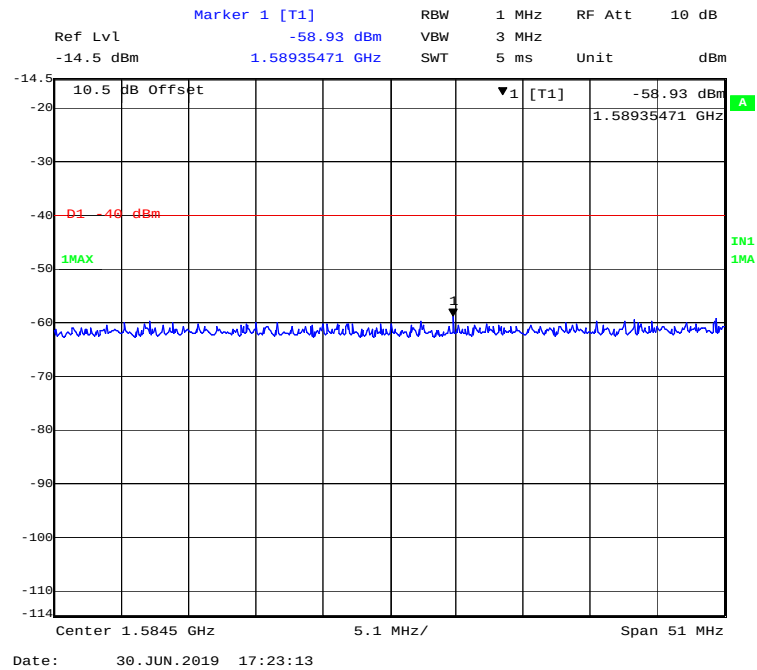
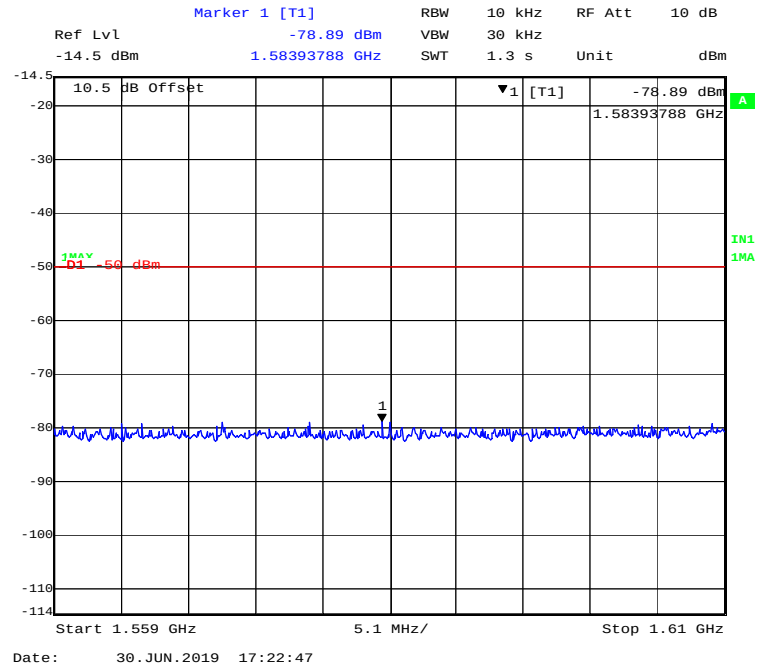
Uplink:

763 MHz~775 MHz



793 MHz~805 MHz



1559 MHz~1610 MHz (wide band)**1559 MHz~1610 MHz (narrow band)**

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

Applicable Standards

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 = $43 + 10 \text{Log}_{10} (\text{power out in Watts})$

Test Data**Environmental Conditions**

Temperature:	23.2°C
Relative Humidity:	51 %
ATM Pressure:	101.3kPa

The testing was performed by Carrie He on 2019-07-02.

Test mode: Transmitting (Pre-scan with low, middle and high channels, and the worse case data as below)

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H/24E/27	
			Height (cm)	Polar (H/V)	SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		Limit (dBm)	Margin (dB)
Uplink										
Lower 700MHz (A+B+C Block) Band										
Test frequency range: 30MHz - 8 GHz										
177.23	58.32	319	183	H	-46.91	0.40	-4.95	-52.26	-13	39.26
177.23	54.11	299	112	V	-48.96	0.40	-4.95	-54.31	-13	41.31
1414.00	48.31	280	235	H	-57.44	0.79	7.19	-51.04	-13	38.04
1414.00	46.32	158	180	V	-59.50	0.79	7.19	-53.10	-13	40.10
Upper 700MHz (C Block) Band										
Test frequency range: 30MHz - 8 GHz										
177.23	58.11	266	124	H	-47.12	0.40	-4.95	-52.47	-13	39.47
177.23	53.14	228	169	V	-49.93	0.57	-1.89	-52.39	-13	39.39
1563.00	47.32	104	126	H	-56.75	0.83	8.30	-49.28	-13	36.28
1563.00	45.32	5	222	V	-59.28	0.83	8.30	-51.81	-13	38.81
Cellular Band										
Test frequency range: 30MHz - 10 GHz										
177.23	57.32	51	112	H	-47.91	0.40	-4.95	-53.26	-13	40.26
177.23	53.41	128	242	V	-49.66	0.40	-4.95	-55.01	-13	42.01
1673.00	46.20	289	229	H	-57.69	0.84	8.48	-50.05	-13	37.05
1673.00	44.11	190	222	V	-59.28	0.84	8.48	-51.64	-13	38.64
PCS Band										
Test frequency range: 30MHz - 20 GHz										
177.23	58.03	275	129	H	-47.20	0.40	-4.95	-52.55	-13	39.55
177.23	54.01	108	195	V	-49.06	0.40	-4.95	-54.41	-13	41.41
3765.00	47.13	31	198	H	-49.57	0.95	9.74	-40.78	-13	27.78
3765.00	45.02	309	117	V	-51.84	0.95	9.74	-43.05	-13	30.05
AWS Band										
Test frequency range: 30MHz - 18 GHz										
177.23	58.11	1	131	H	-47.12	0.57	-1.89	-49.58	-13	36.58
177.23	54.31	7	160	V	-48.76	0.57	-1.89	-51.22	-13	38.22
3465.00	46.74	310	192	H	-50.87	0.93	9.87	-41.93	-13	28.93
3465.00	44.31	22	107	V	-53.84	0.93	9.87	-44.90	-13	31.90

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H/24E/27	
			Height (cm)	Polar (H/V)	SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		Limit (dBm)	Margin (dB)
Downlink										
Lower 700MHz (A+B+C Block) Band										
Test frequency range: 30MHz - 8 GHz										
489.34	58.12	137	191	H	-47.11	0.40	-4.95	-52.46	-13	39.46
489.34	54.11	120	119	V	-48.96	0.40	-4.95	-54.31	-13	41.31
1474.00	48.32	141	158	H	-56.21	0.83	8.13	-48.91	-13	35.91
1474.00	46.11	121	226	V	-58.89	0.83	8.13	-51.59	-13	38.59
Upper 700MHz (C Block) Band										
Test frequency range: 30MHz - 8 GHz										
489.34	58.11	307	146	H	-47.12	0.40	-4.95	-52.47	-13	39.47
489.34	54.03	126	194	V	-49.04	0.40	-4.95	-54.39	-13	41.39
1503.00	48.33	311	203	H	-56.10	0.83	8.20	-48.73	-13	35.73
1503.00	46.10	128	173	V	-58.89	0.83	8.20	-51.52	-13	38.52
Cellular Band										
Test frequency range: 30MHz - 10 GHz										
489.34	57.95	273	156	H	-47.28	0.40	-4.95	-52.63	-13	39.63
489.34	54.21	94	141	V	-48.86	0.40	-4.95	-54.21	-13	41.21
1763.00	47.32	118	119	H	-55.53	0.84	8.62	-47.75	-13	34.75
1763.00	43.33	74	243	V	-59.98	0.84	8.62	-52.20	-13	39.20
PCS Band										
Test frequency range: 30MHz - 20 GHz										
489.34	58.25	99	162	H	-46.98	0.40	-4.95	-52.33	-13	39.33
489.34	53.99	13	169	V	-49.08	0.40	-4.95	-54.43	-13	41.43
3925.00	47.63	222	222	H	-48.48	0.96	9.65	-39.79	-13	26.79
3925.00	45.03	309	119	V	-51.08	0.96	9.65	-42.39	-13	29.39
AWS Band										
Test frequency range: 30MHz -22 GHz										
489.34	58.41	305	229	H	-46.82	0.40	-4.95	-52.17	-13	39.17
489.34	53.94	322	238	V	-49.13	0.40	-4.95	-54.48	-13	41.48
4265.00	46.88	200	170	H	-49.73	1.00	9.76	-40.97	-13	27.97
4265.00	45.03	31	114	V	-51.63	1.00	9.76	-42.87	-13	29.87

Note:

1) Absolute Level = SG Level - Cable loss + Antenna Gain

2) Margin = Limit- Absolute Level

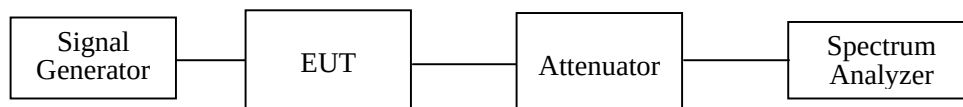
FCC § 22.917, § 24.238, §27.53 - BAND EDGES & INTERMODULATION**Applicable Standards**

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 v01r03 clause 3.6.2

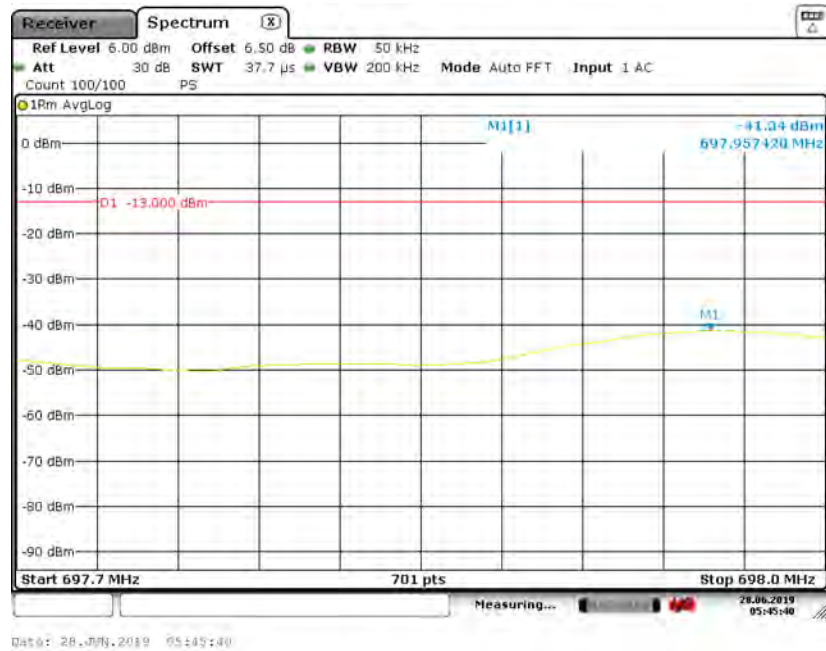
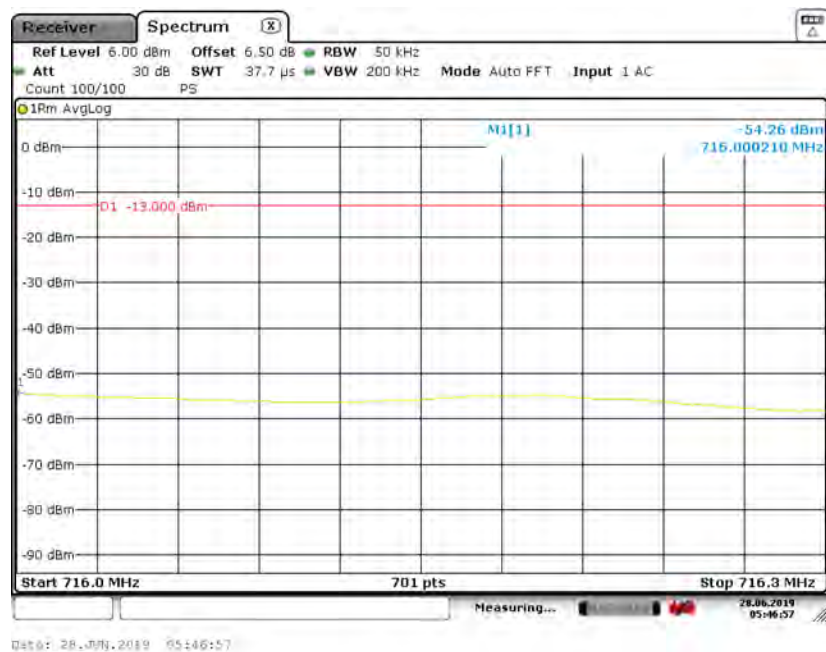
**Test Data****Environmental Conditions**

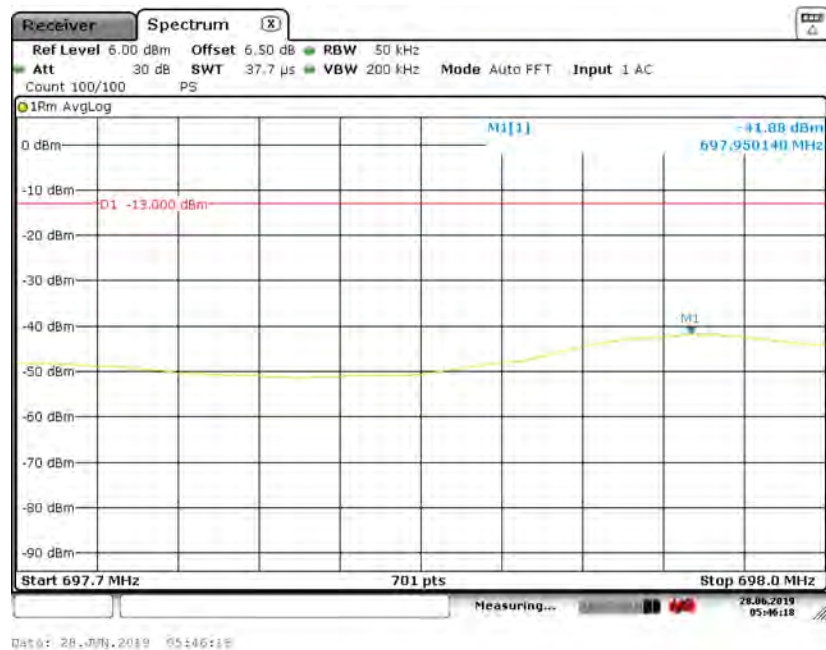
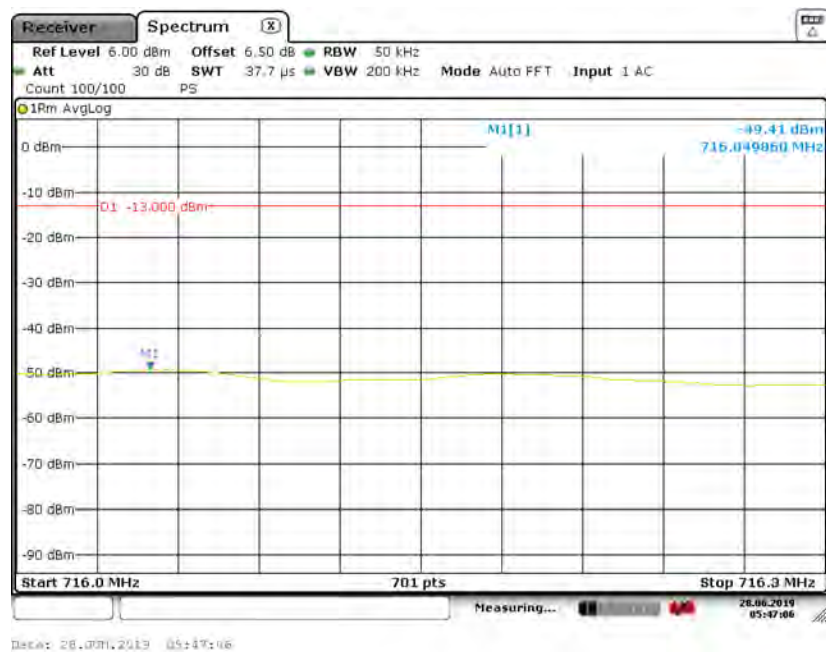
Temperature:	23.2°C-23.5°C
Relative Humidity:	51 %-53%
ATM Pressure:	101.1kPa-103.3kPa

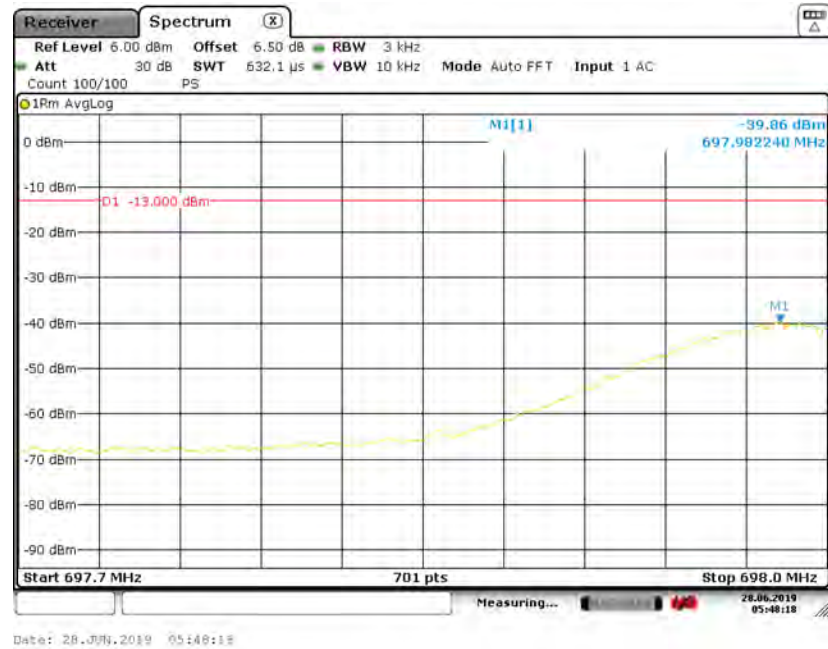
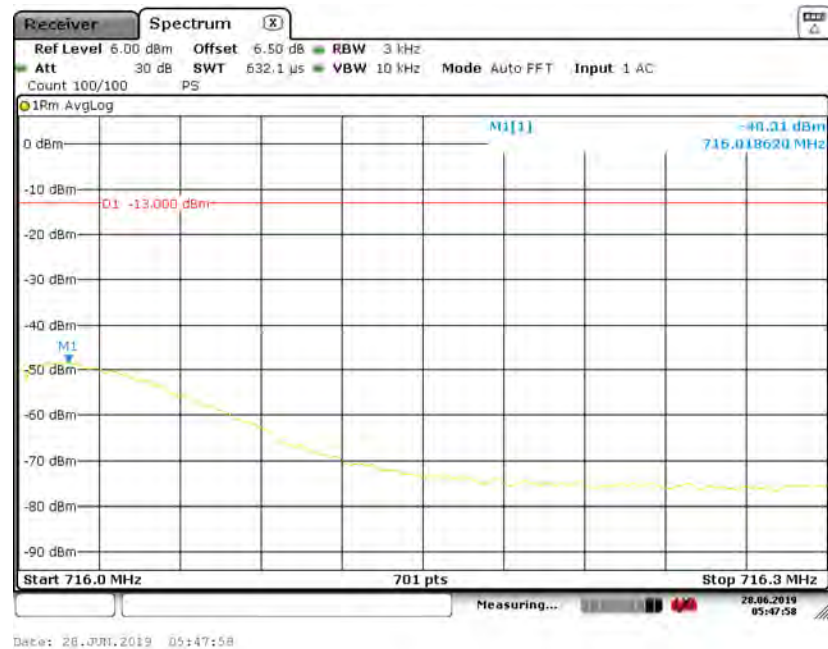
The testing was performed by Carrie He from 2019-06-24 to 2019-07-02.

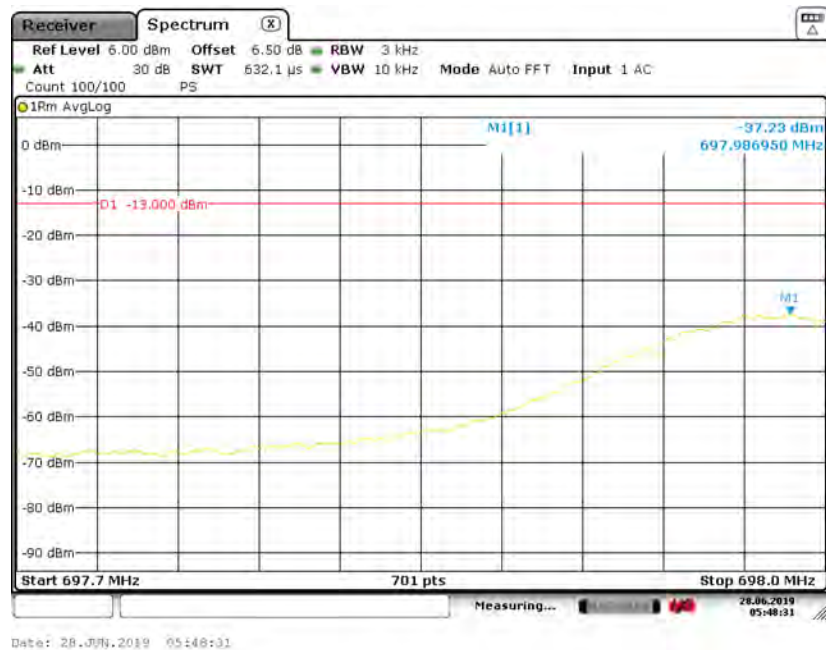
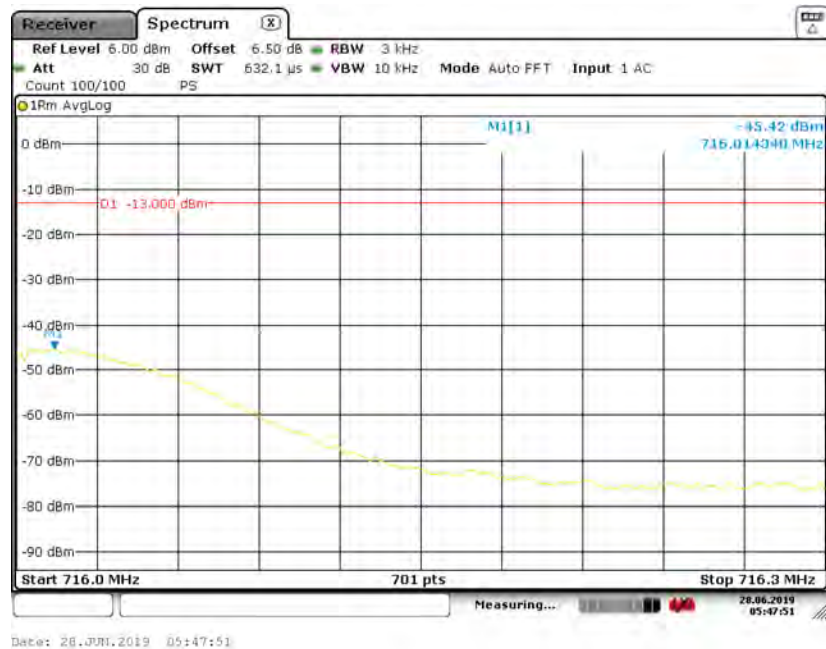
EUT operation mode: Transmitting

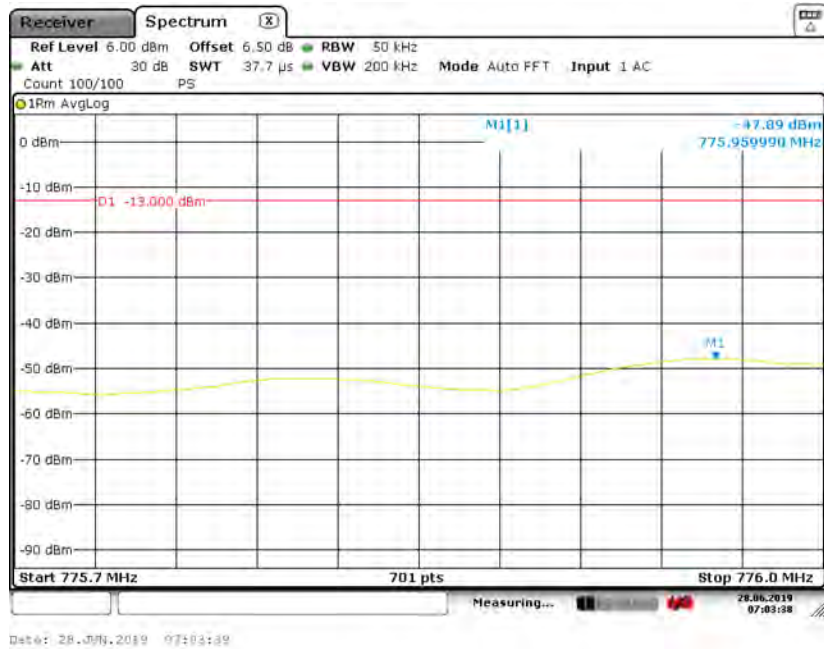
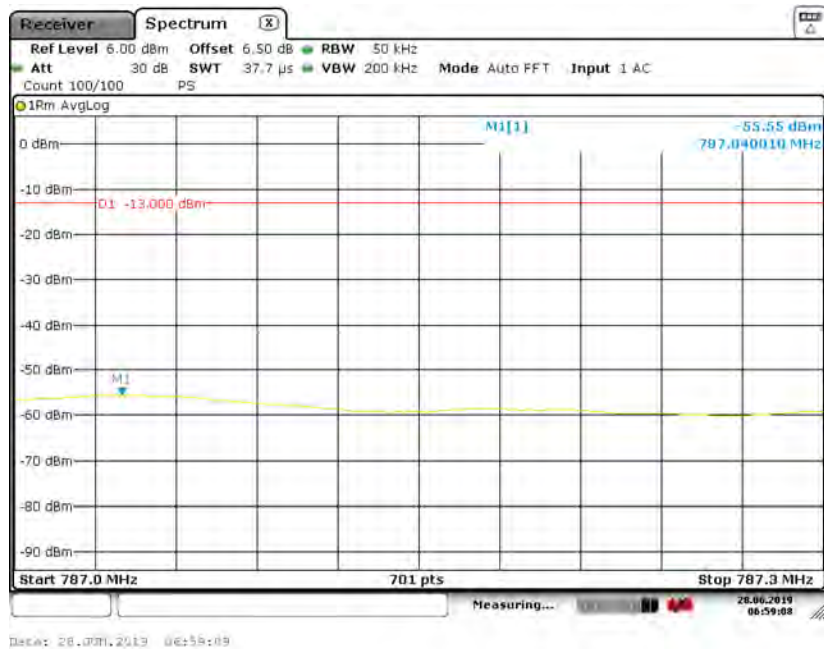
Test Result: Compliant.

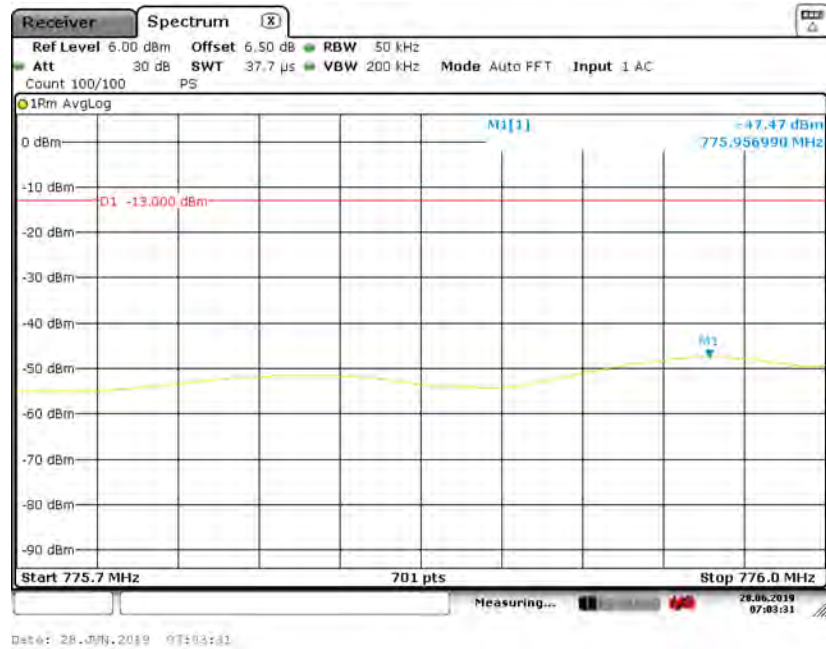
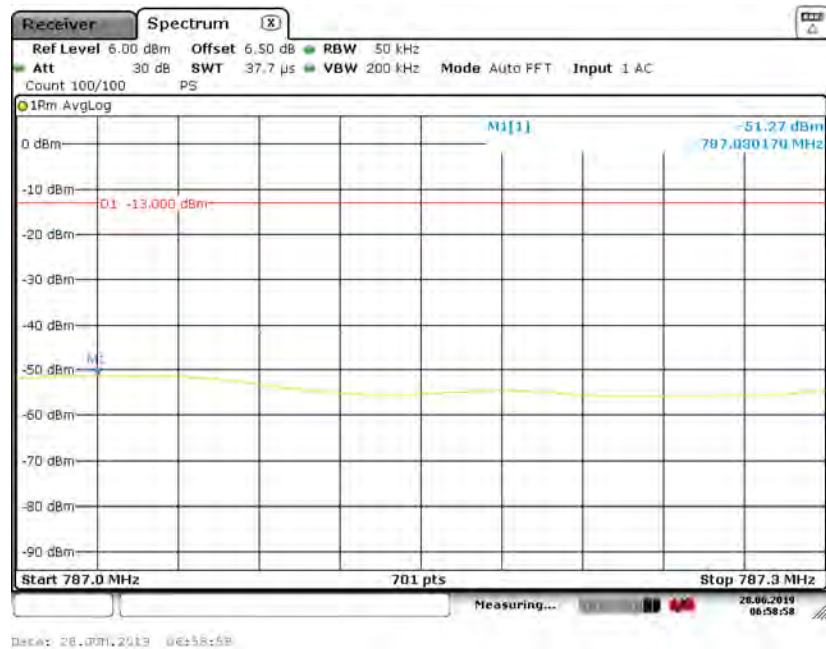
For Band Edge:**Uplink:****Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC****Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC**

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

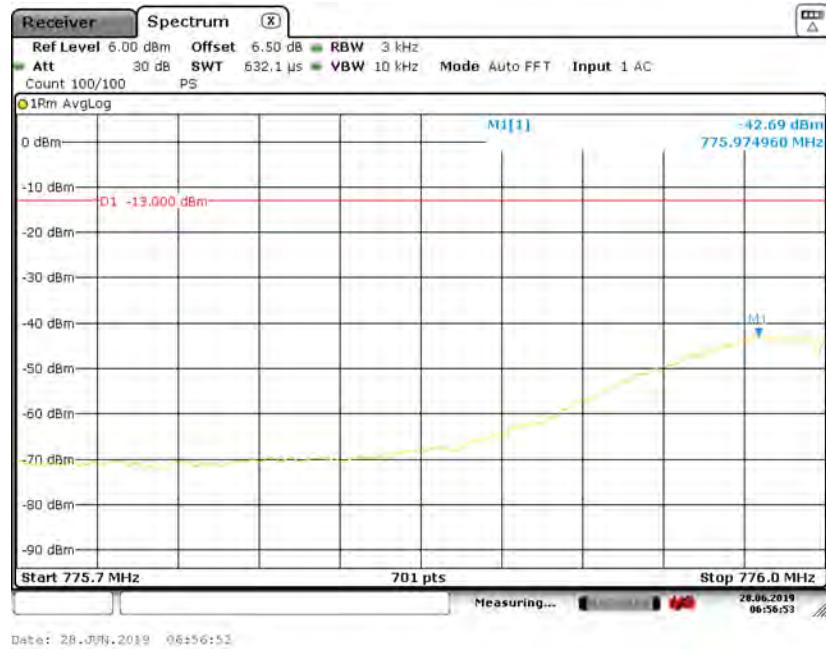
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC**Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC**

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

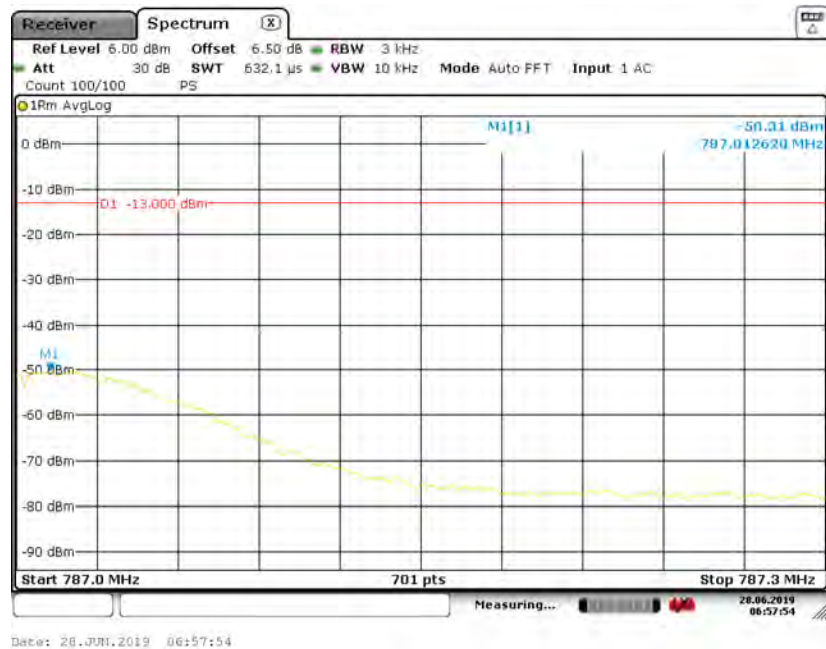
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC**Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC**

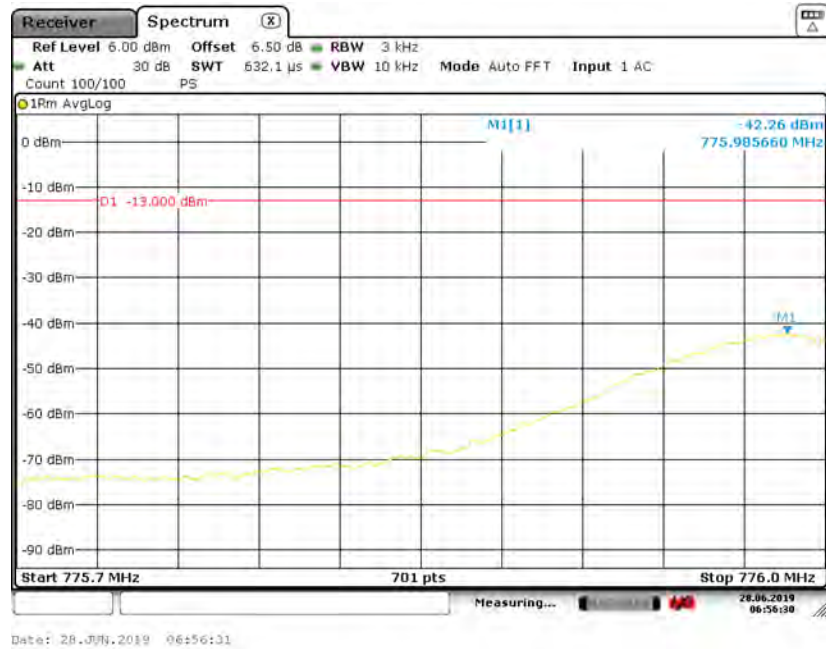
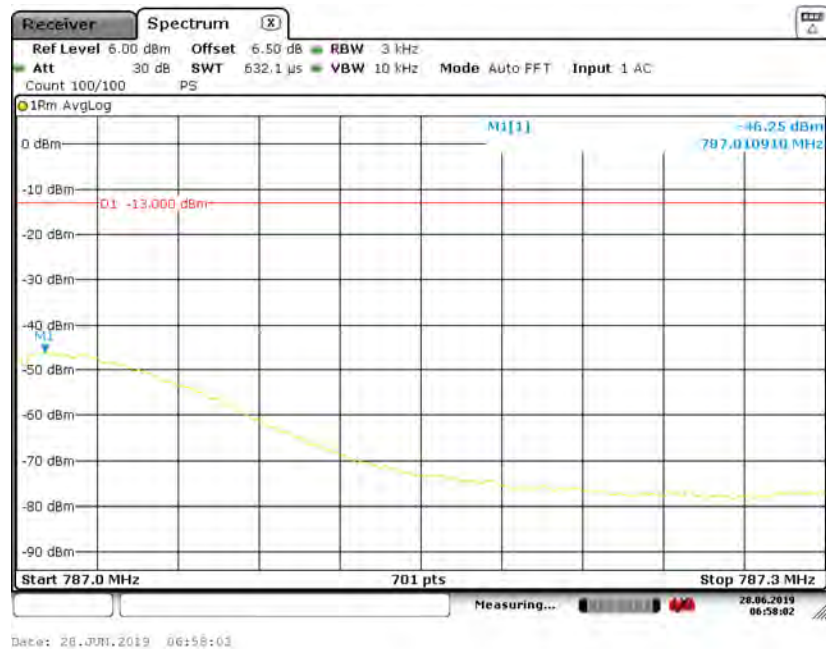
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-3dB Above AGC**Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC**

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

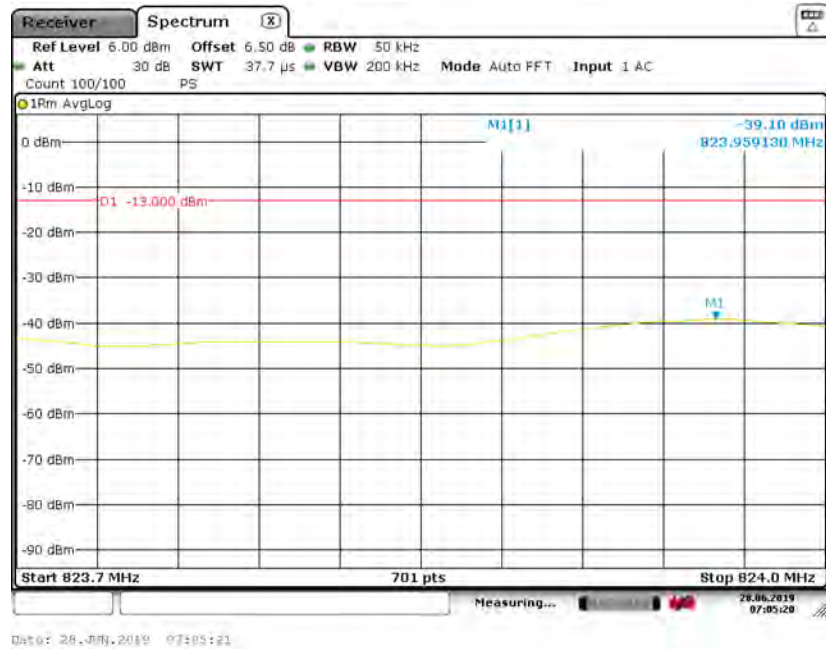


Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC

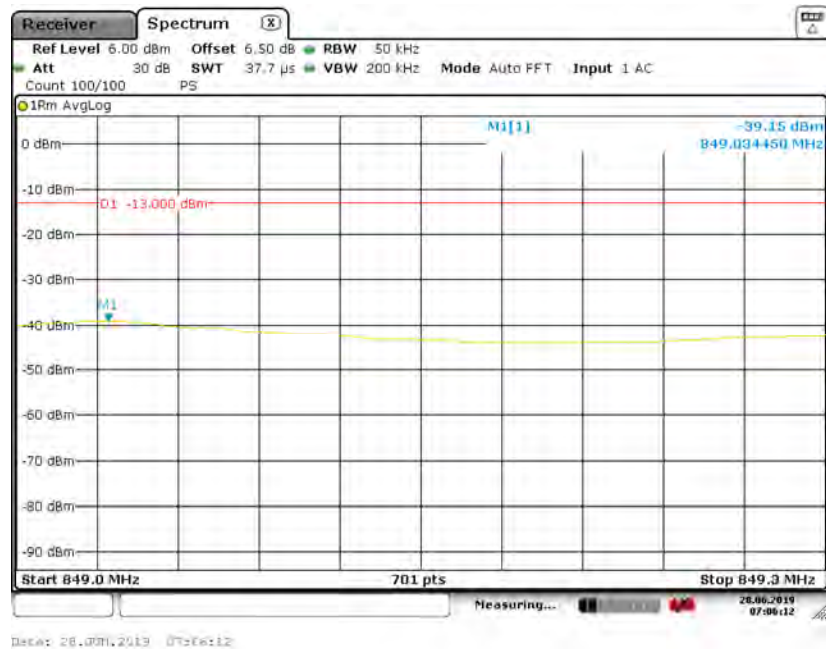


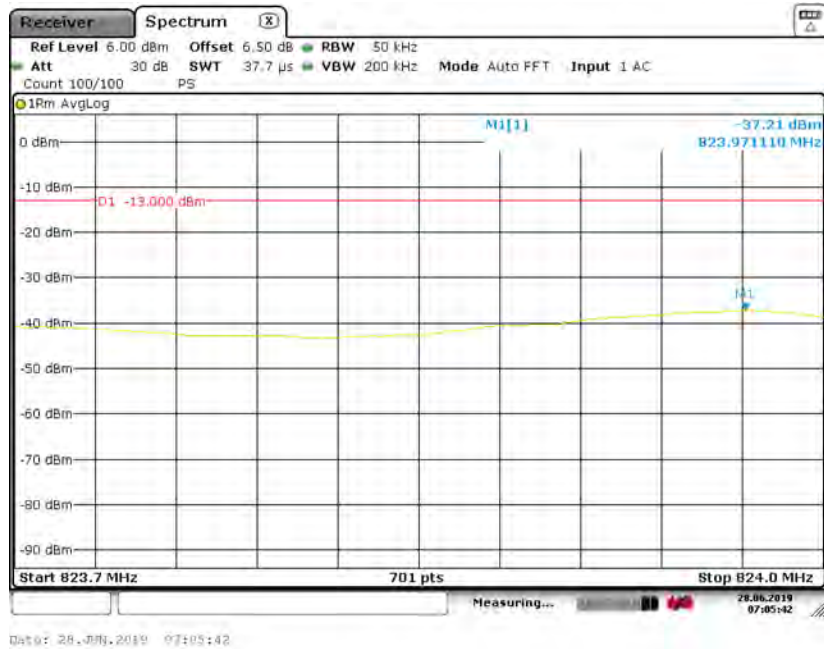
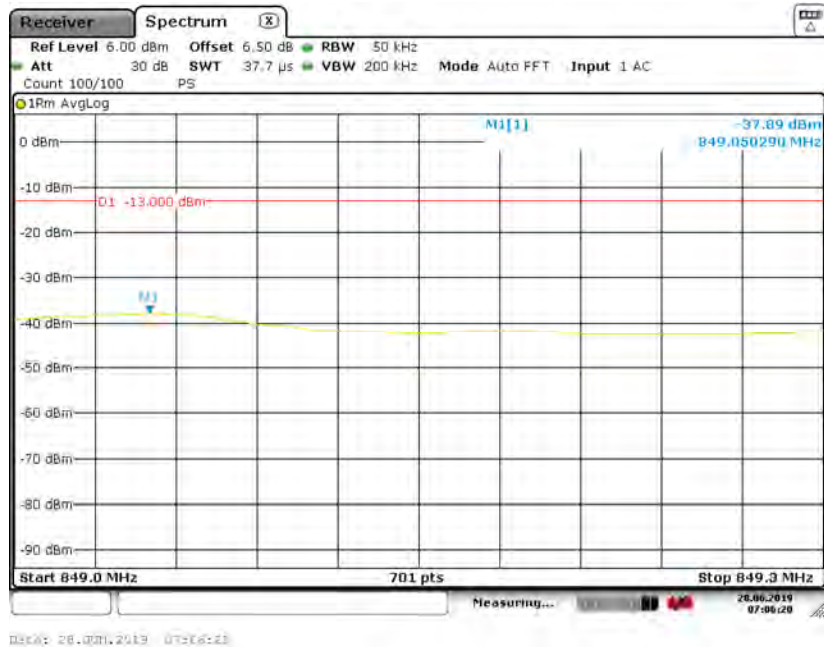
Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC**Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC**

Cellular Band, Left Band Edge for AWGN-Pre AGC

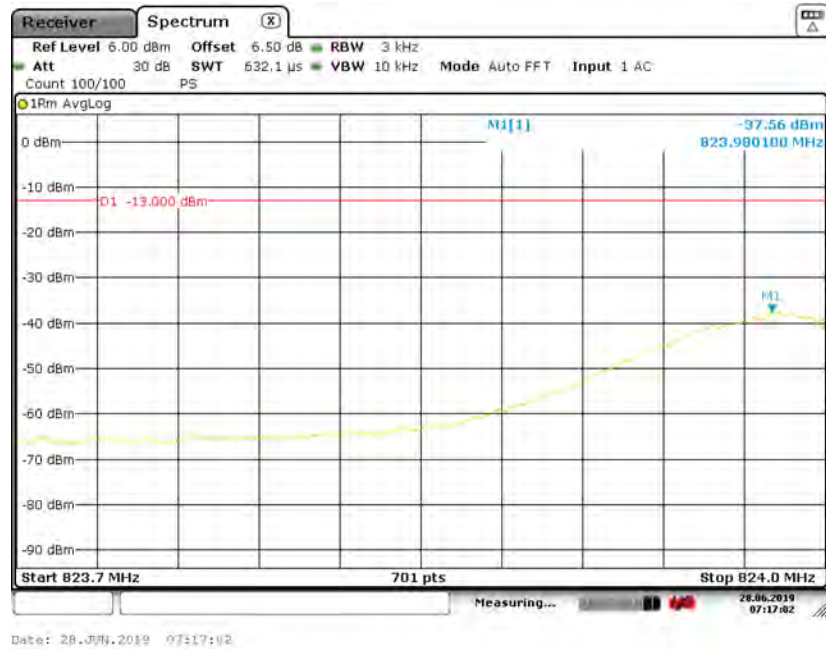


Cellular Band, Right Band Edge for AWGN-Pre AGC

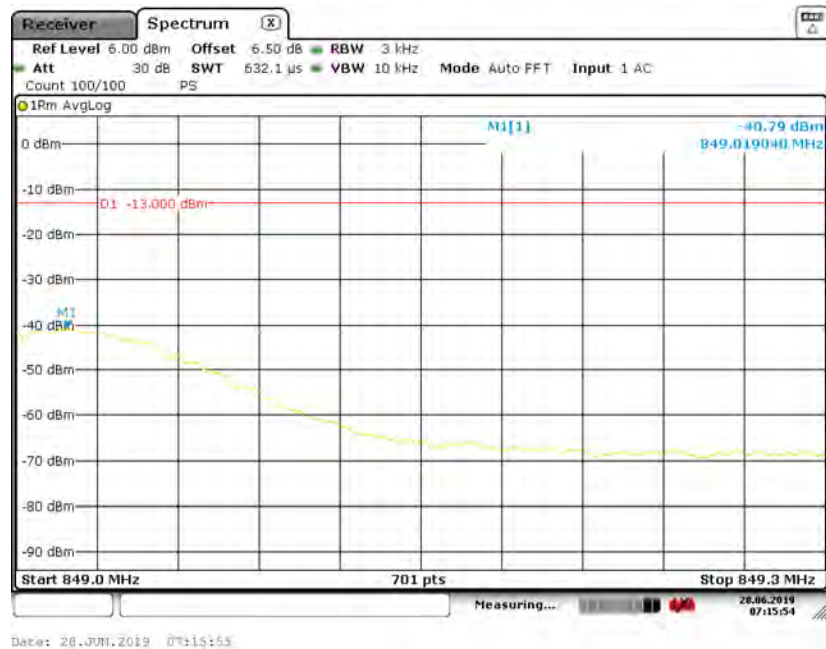


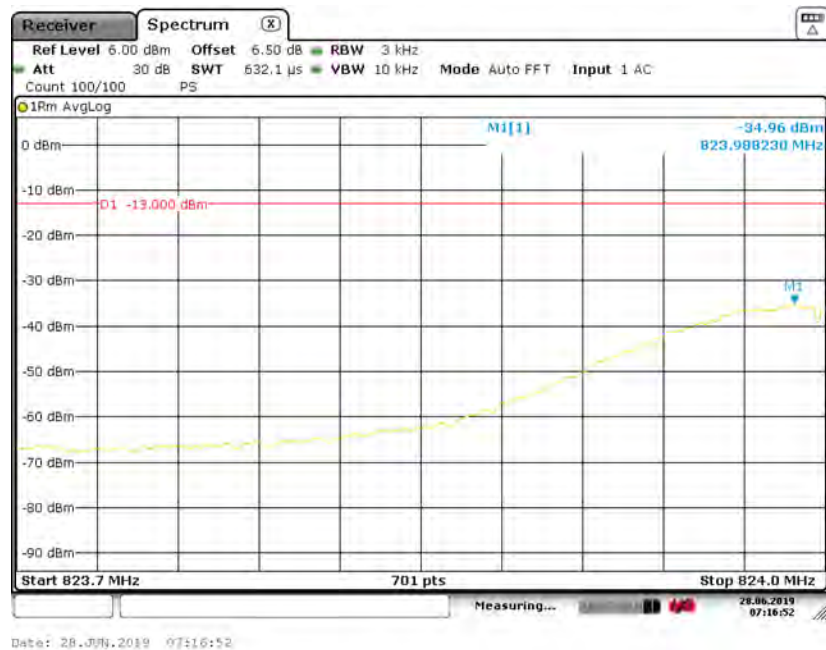
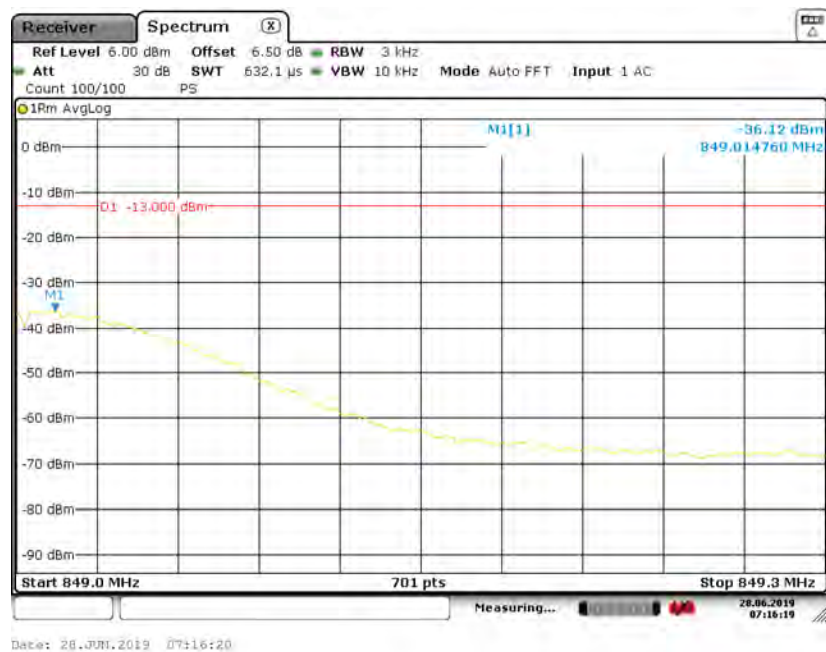
Cellular Band, Left Band Edge for AWGN-3dB Above AGC**Cellular Band, Right Band Edge for AWGN-3dB Above AGC**

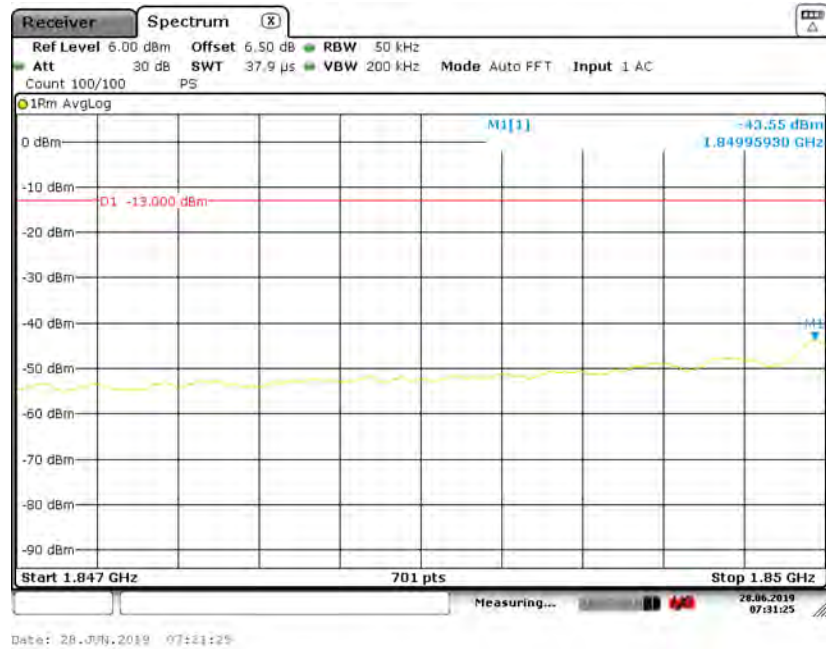
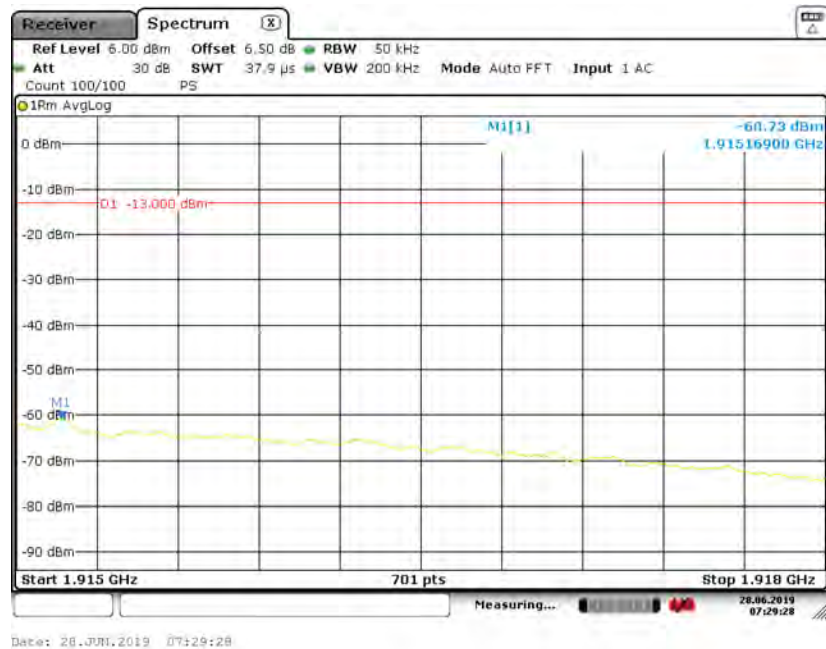
Cellular Band, Left Band Edge for GSM-Pre AGC



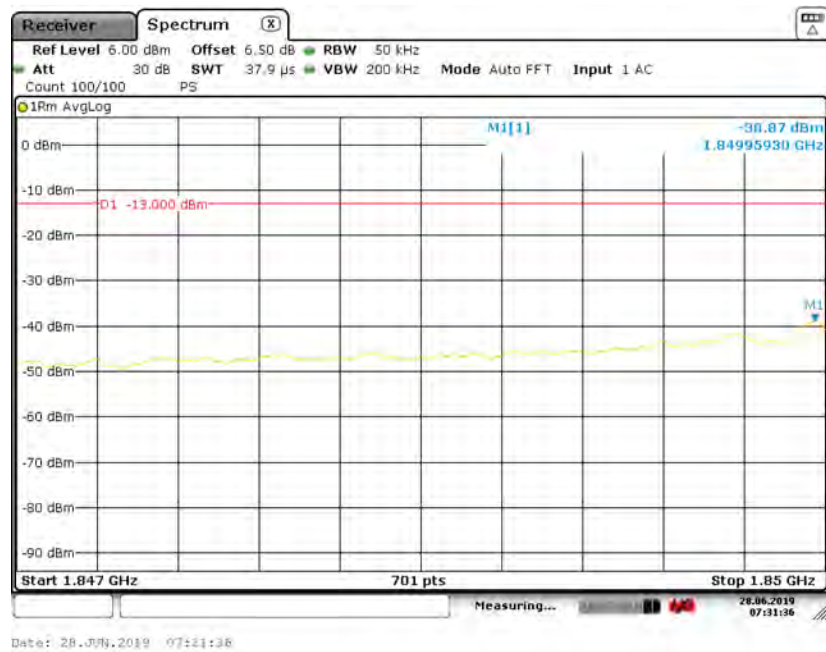
Cellular Band, Right Band Edge for GSM-Pre AGC



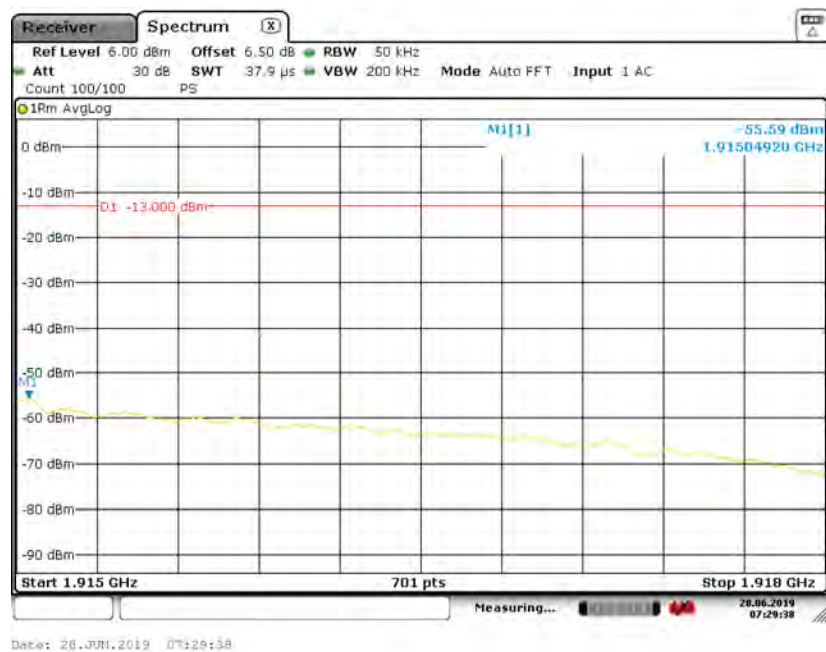
Cellular Band, Left Band Edge for GSM-3dB Above AGC**Cellular Band, Right Band Edge for GSM-3dB Above AGC**

PCS Band, Left Band Edge for AWGN-Pre AGC**PCS Band, Right Band Edge for AWGN-Pre AGC**

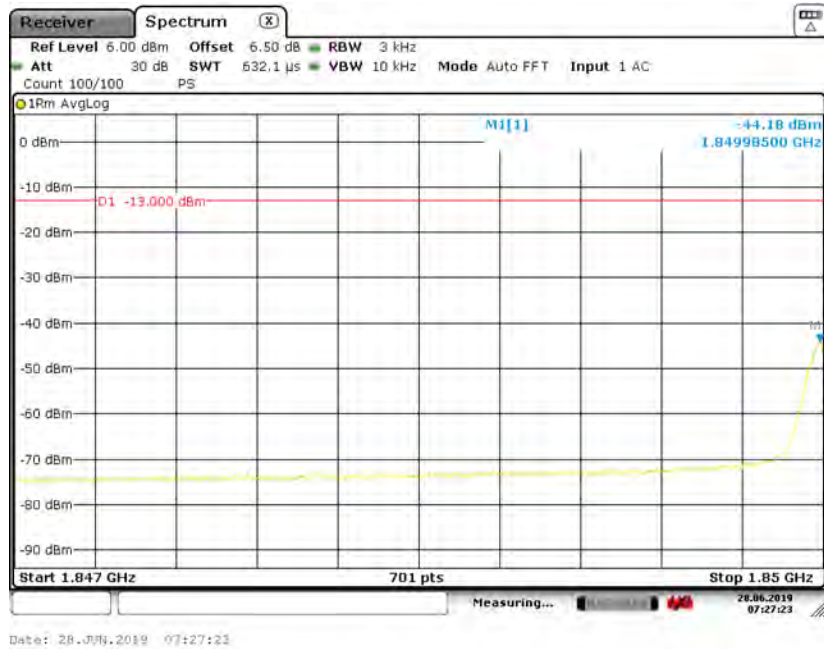
PCS Band, Left Band Edge for AWGN-3dB Above AGC



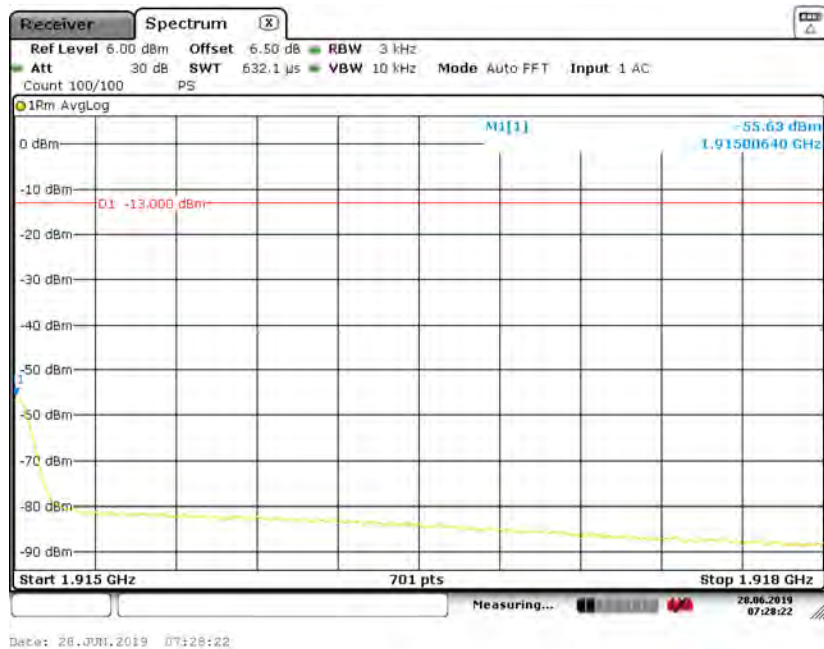
PCS Band, Right Band Edge for AWGN-3dB Above AGC

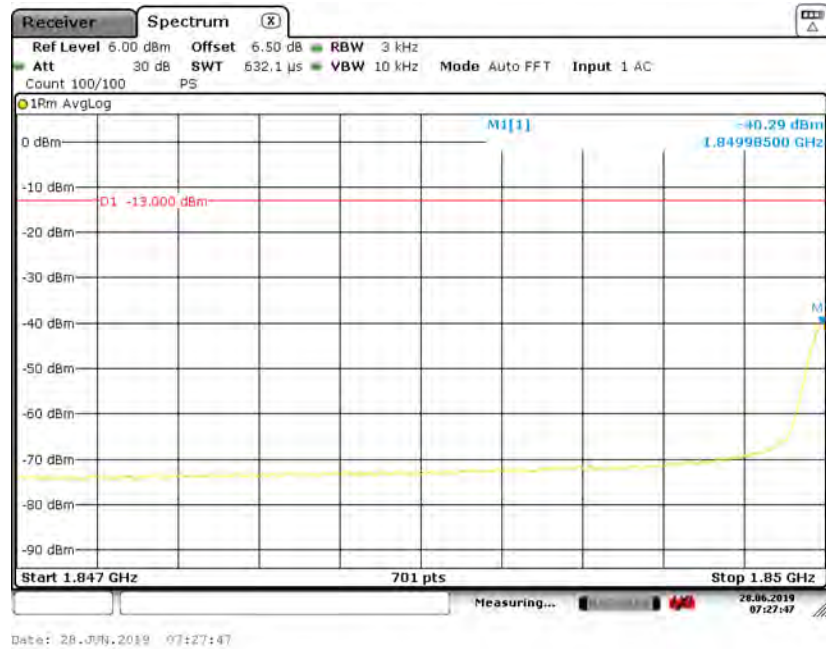
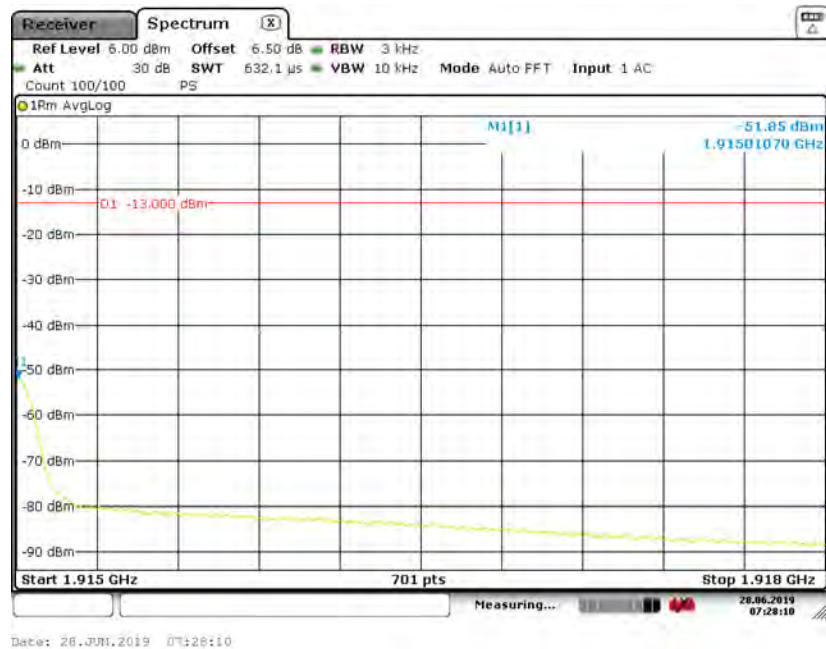


PCS Band, Left Band Edge for GSM-Pre AGC

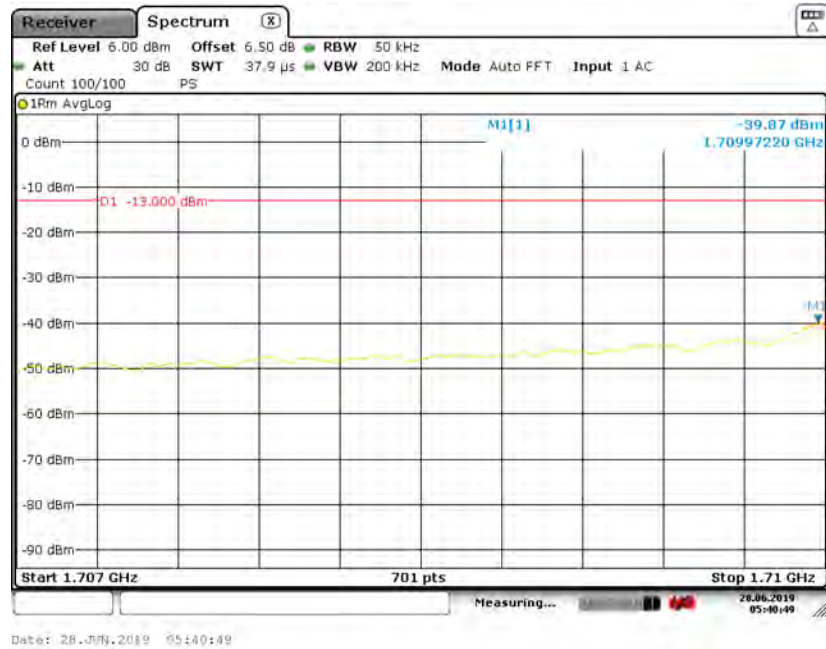


PCS Band, Right Band Edge for GSM-Pre AGC

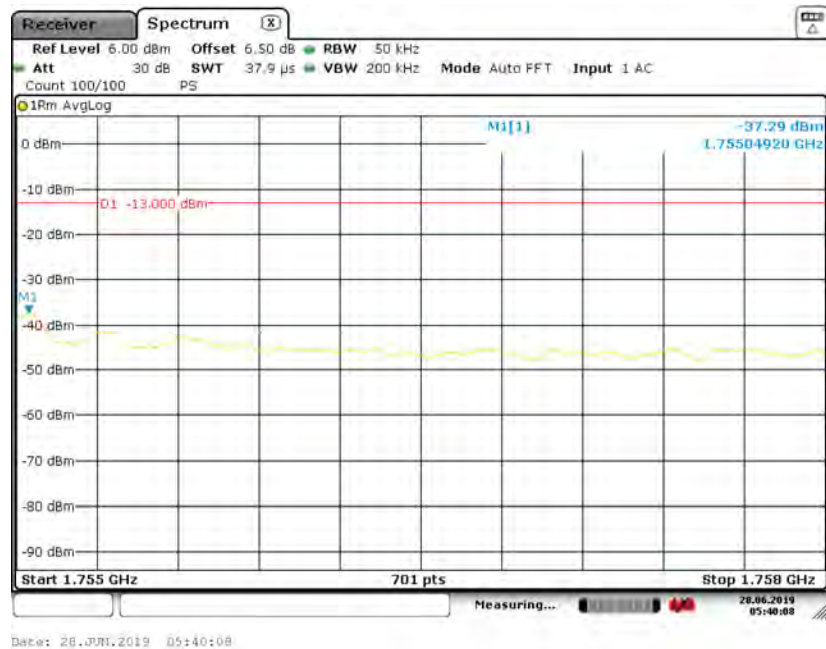


PCS Band, Left Band Edge for GSM-3dB Above AGC**PCS Band, Right Band Edge for GSM-3dB Above AGC**

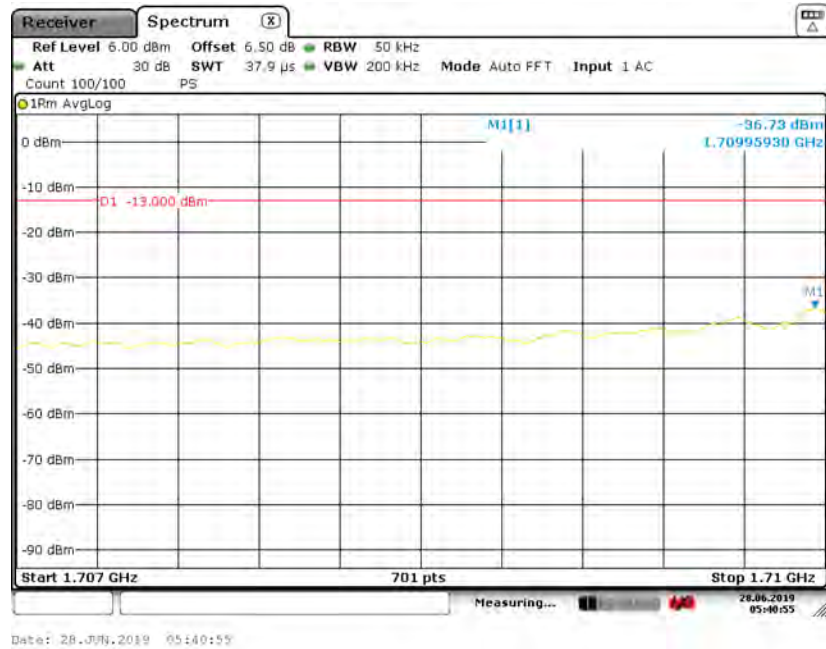
AWS Band, Left Band Edge for AWGN-Pre AGC



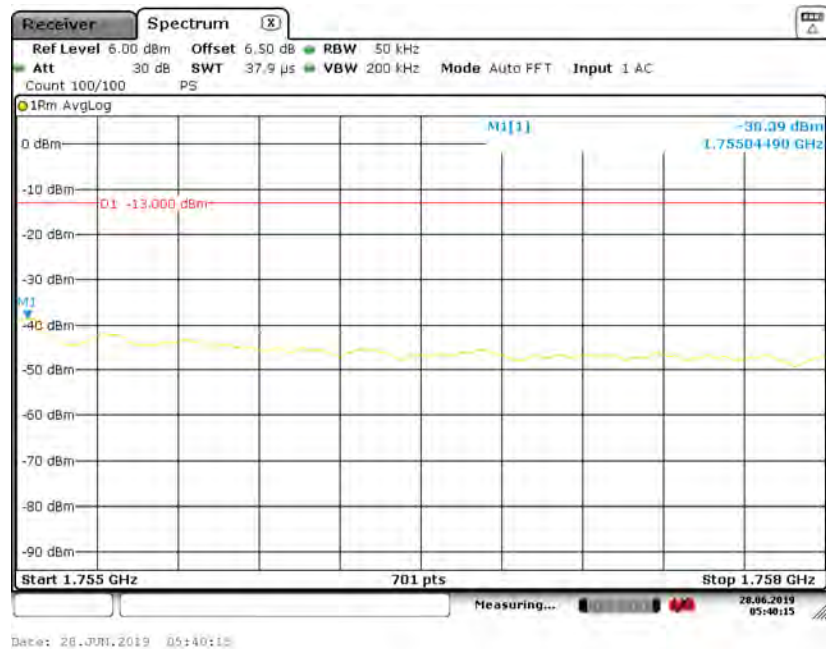
AWS Band, Right Band Edge for AWGN-Pre AGC



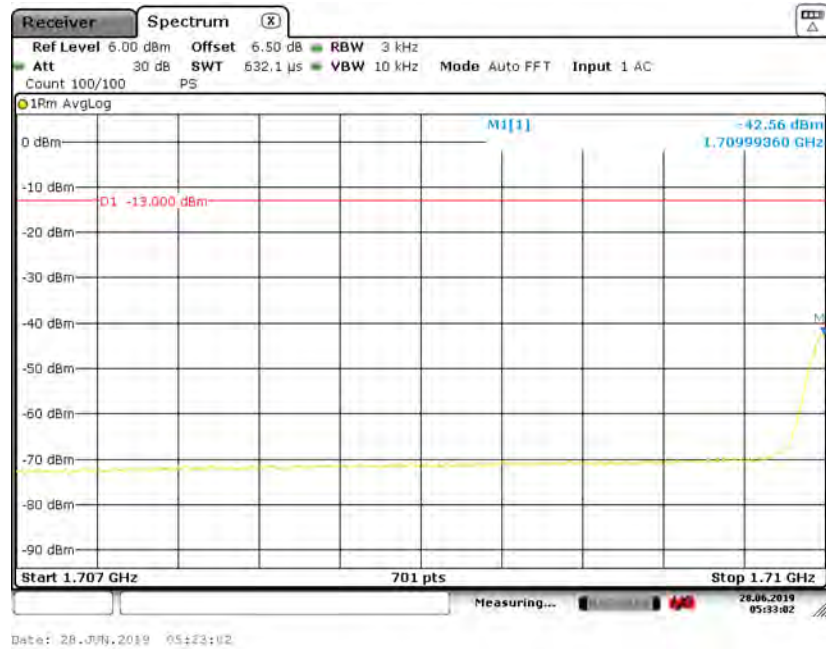
AWS Band, Left Band Edge for AWGN-3dB Above AGC



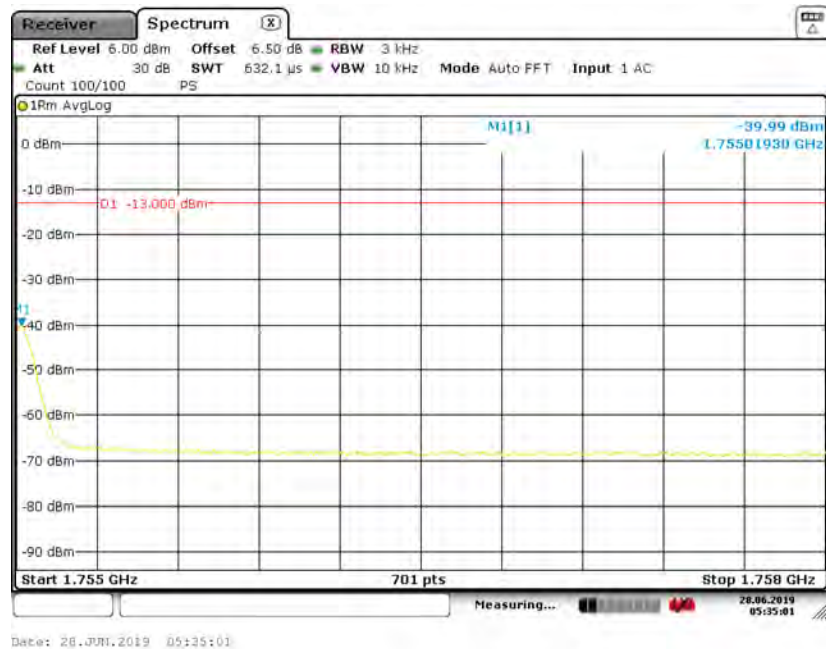
AWS Band, Right Band Edge for AWGN-3dB Above AGC



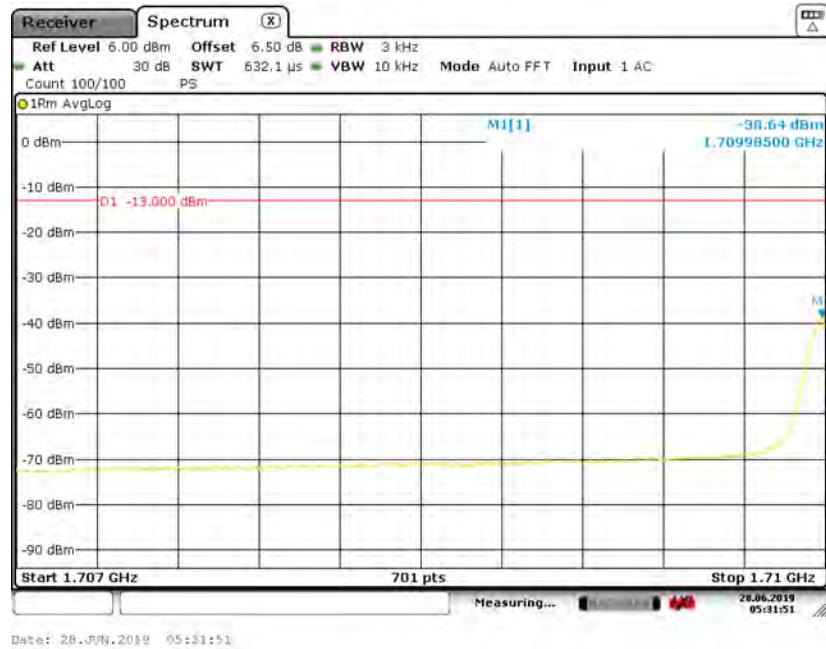
AWS Band, Left Band Edge for GSM-Pre AGC



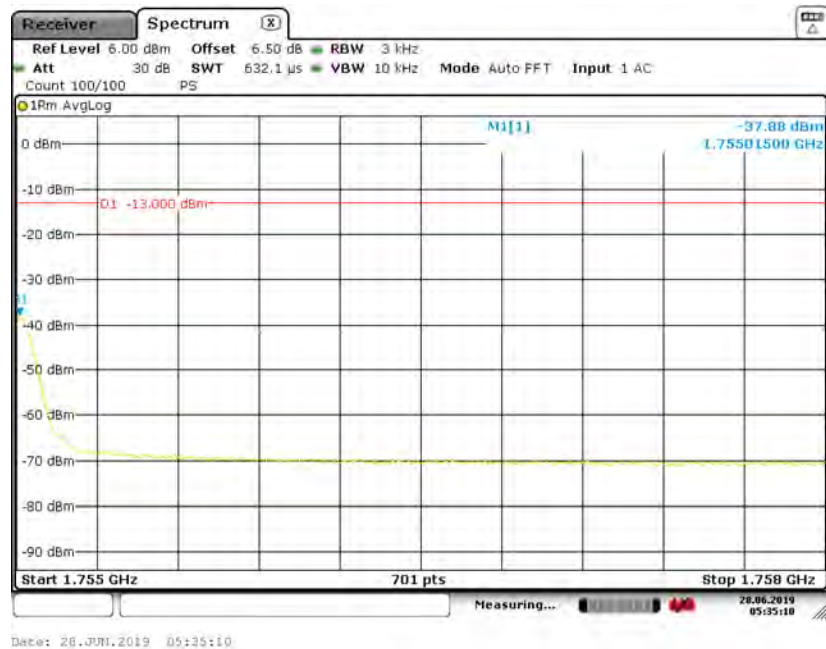
AWS Band, Right Band Edge for GSM-Pre AGC

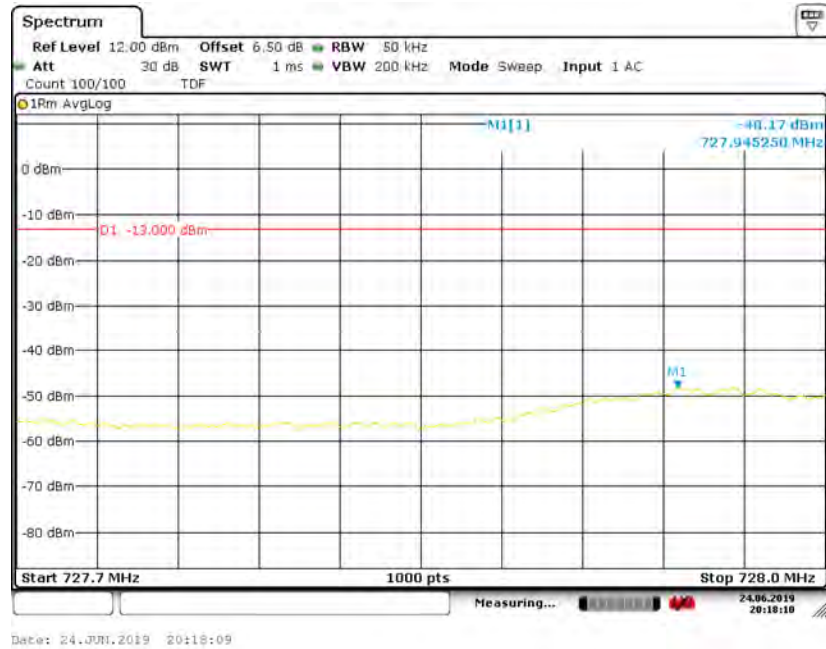
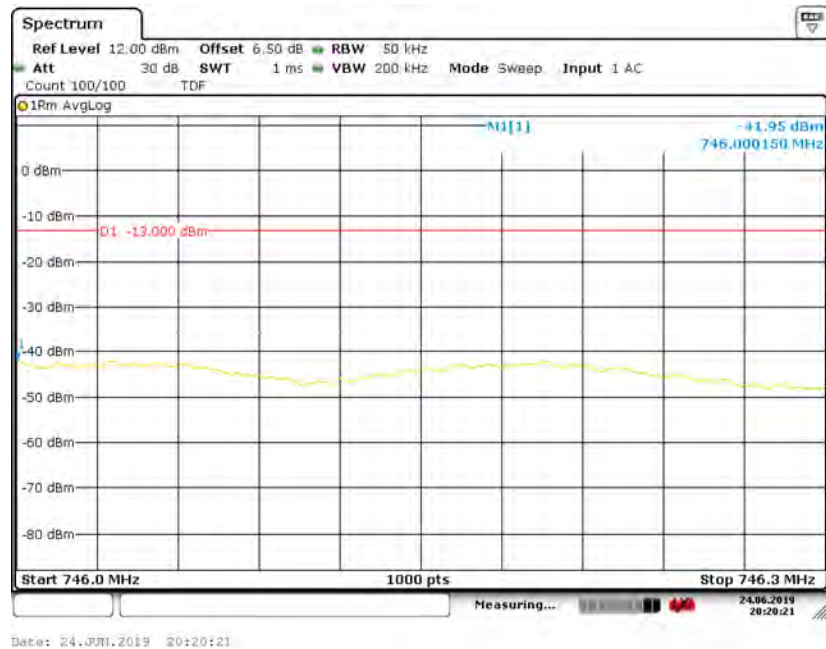


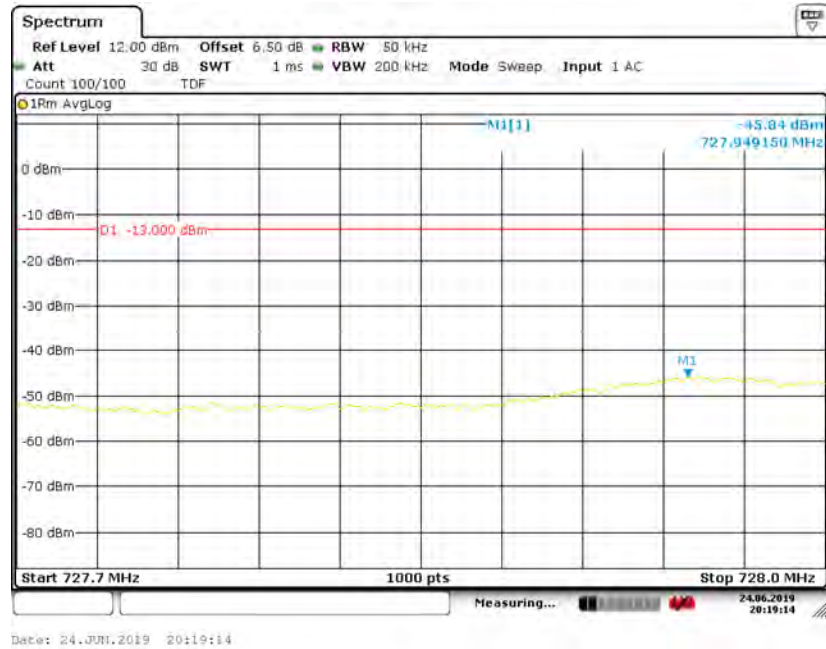
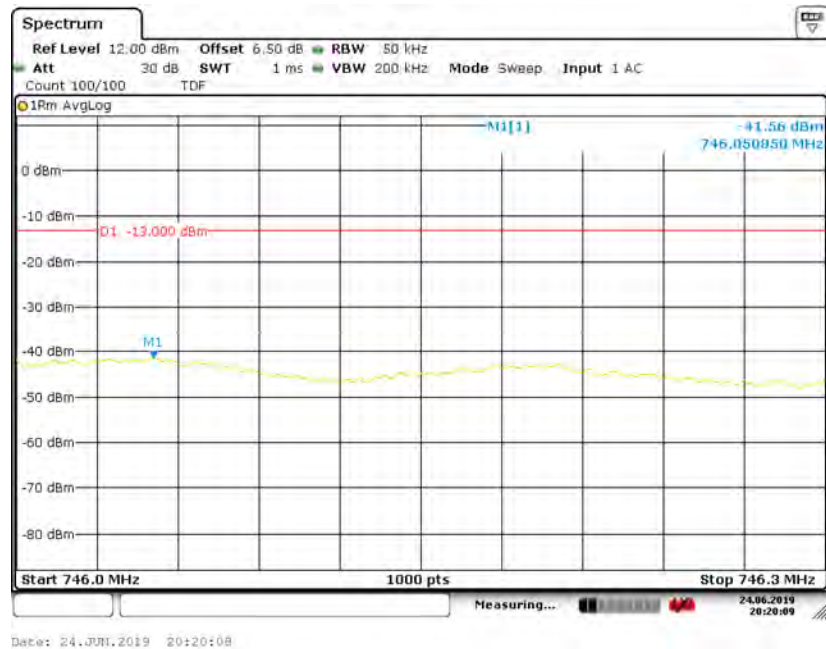
AWS Band, Left Band Edge for GSM-3dB Above AGC

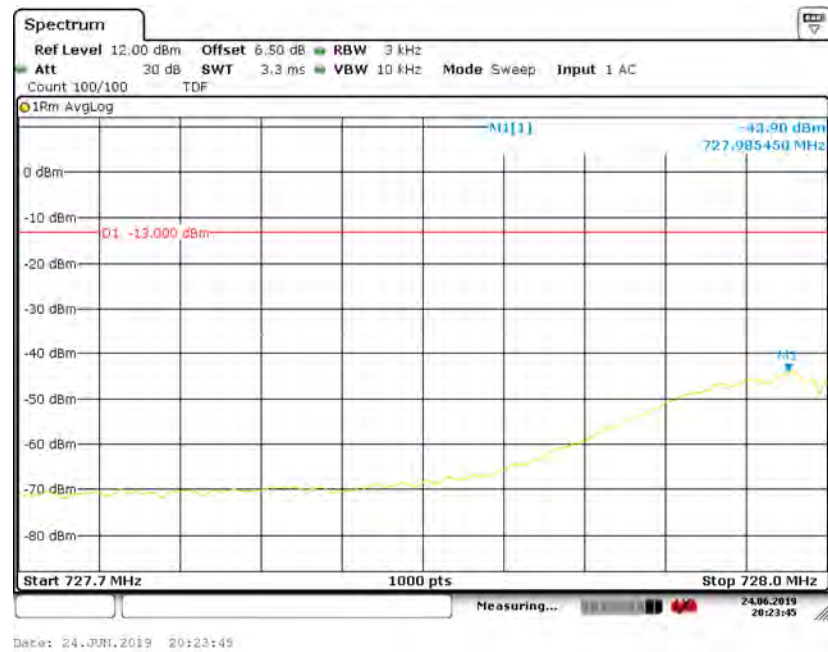
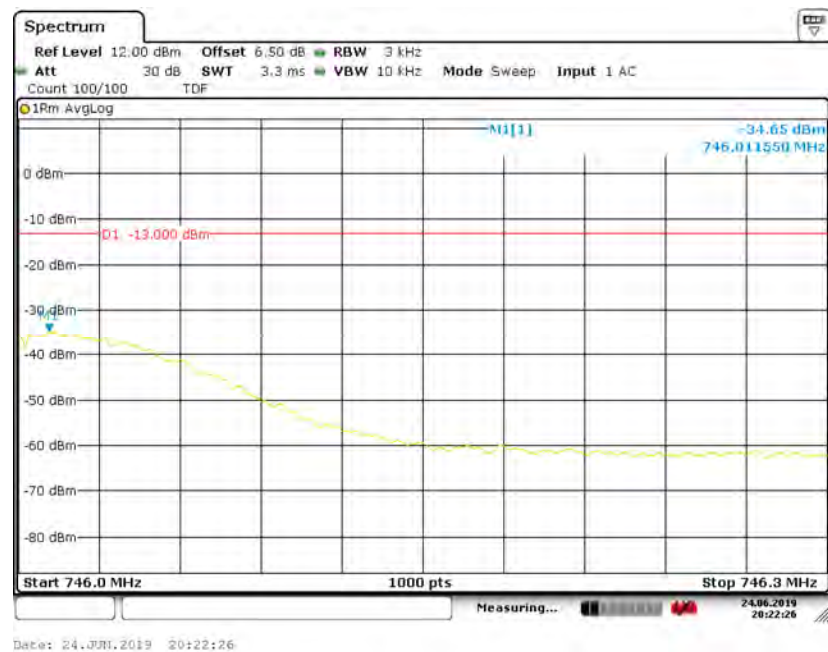


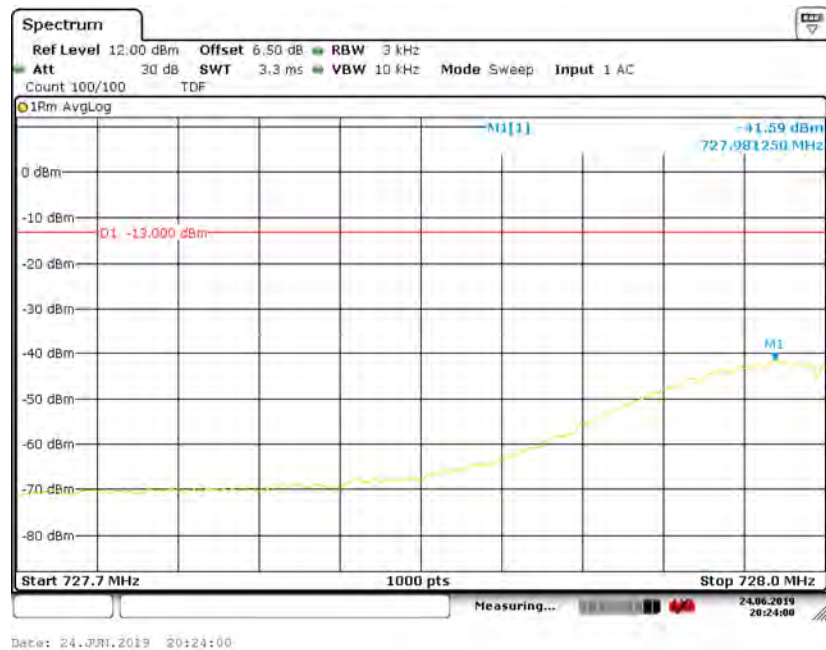
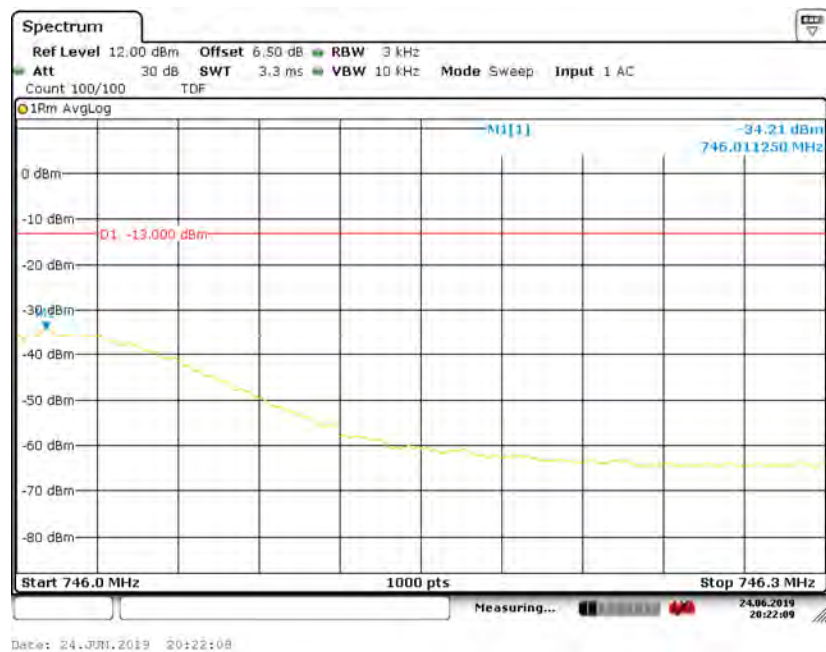
AWS Band, Right Band Edge for GSM-3dB Above AGC

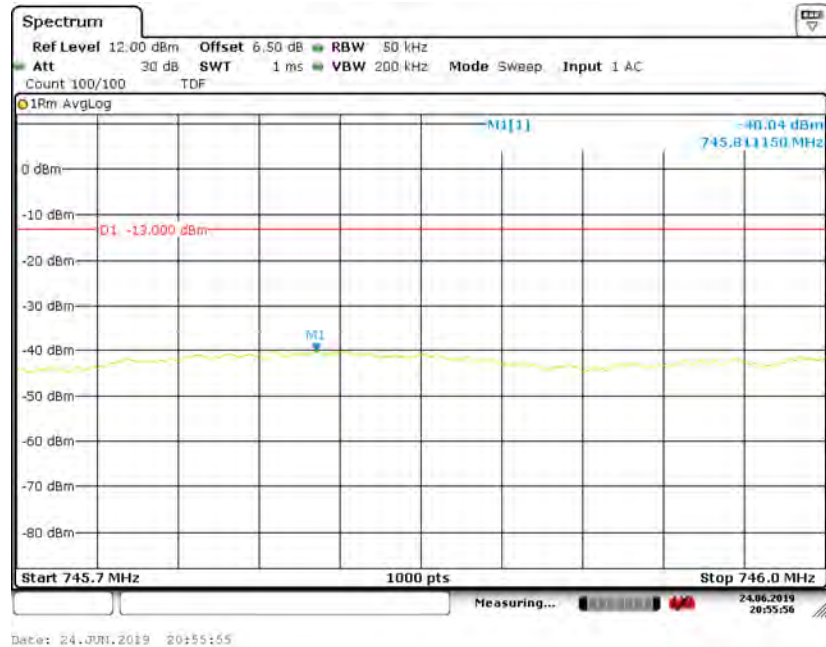
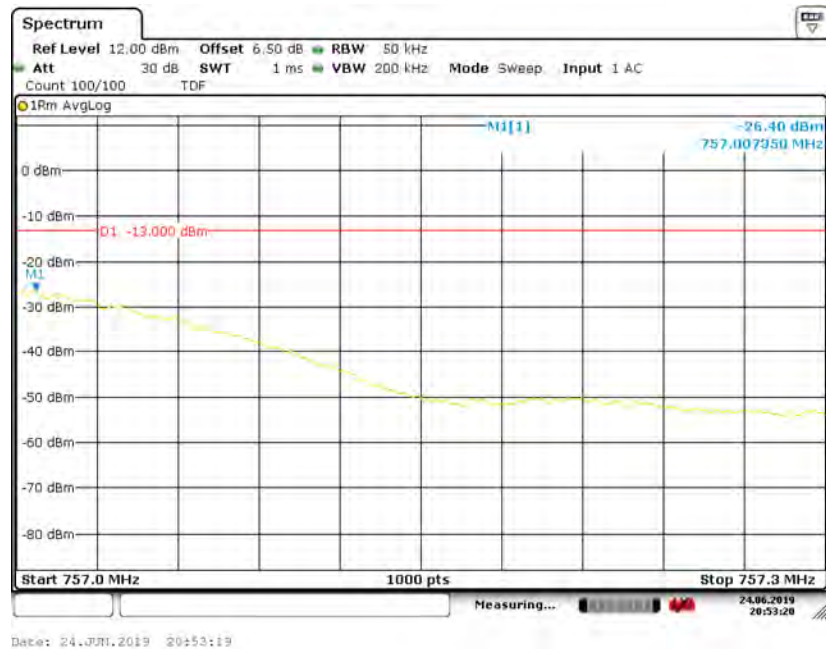


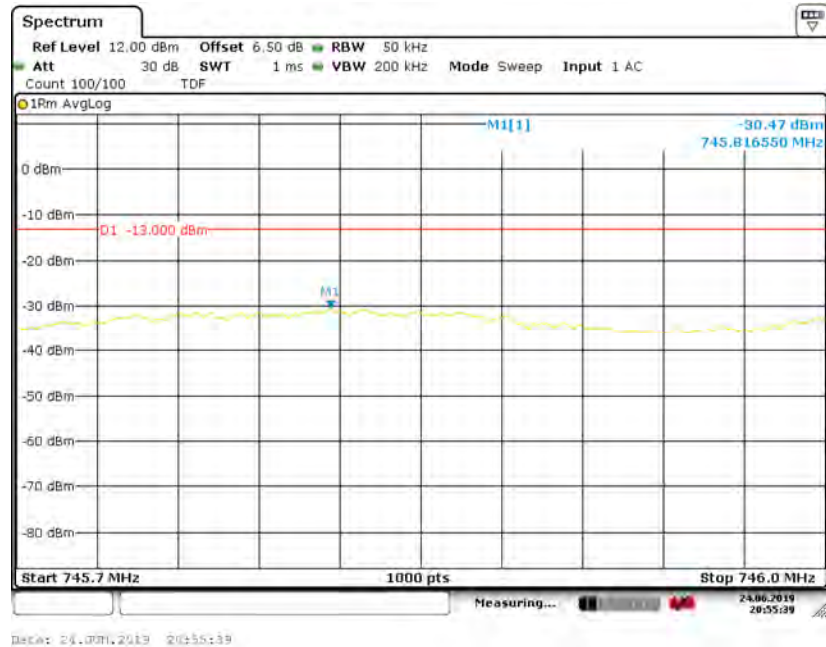
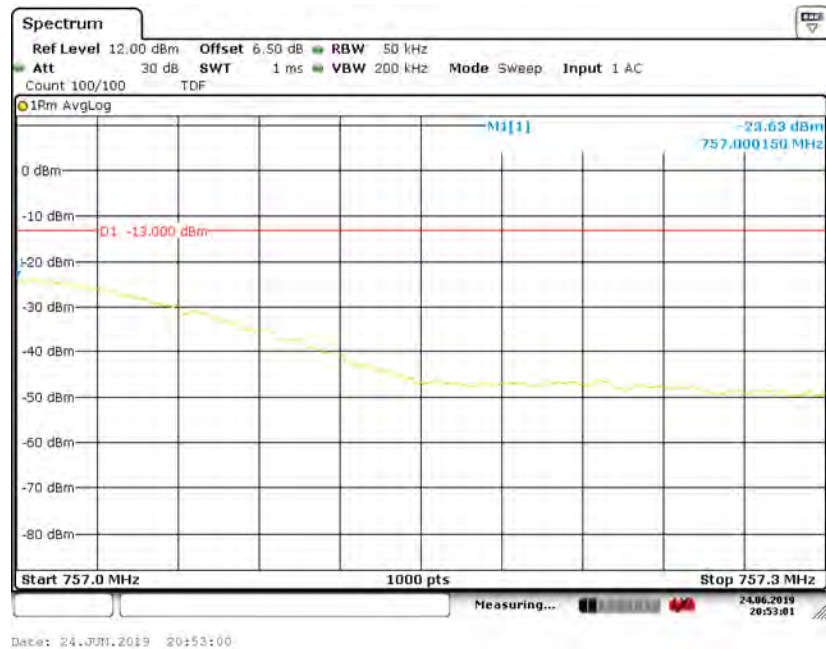
Downlink:**Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC****Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC**

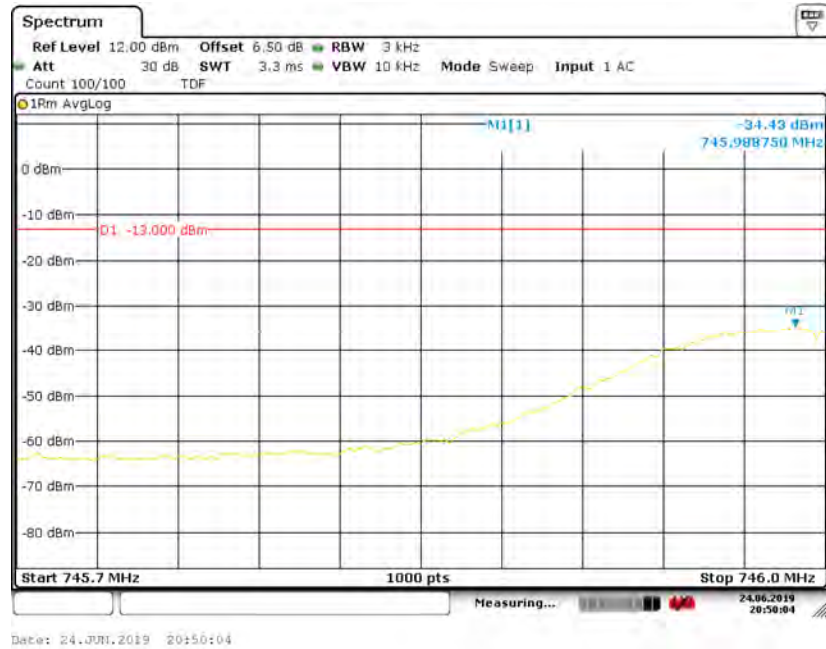
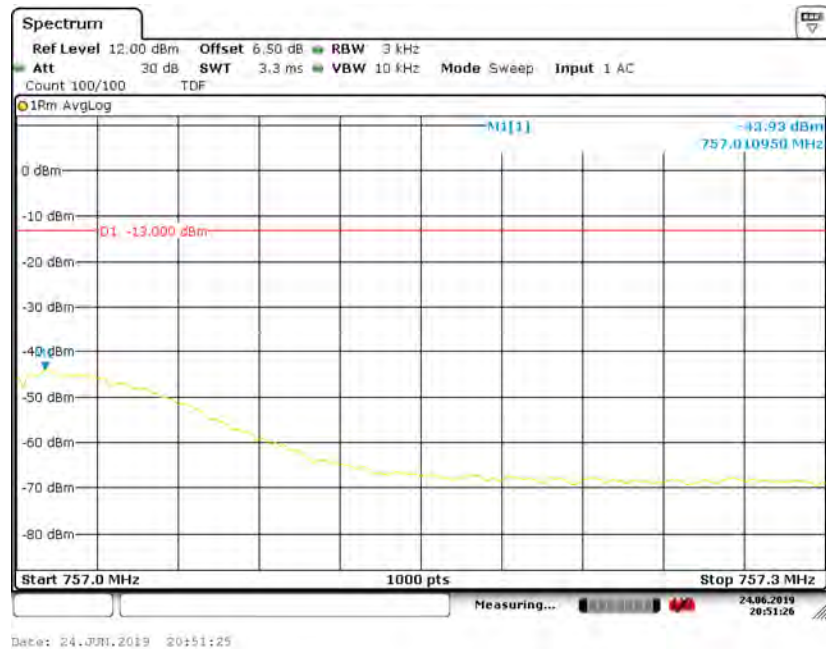
Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-3dB Above AGC**Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-3dB Above AGC**

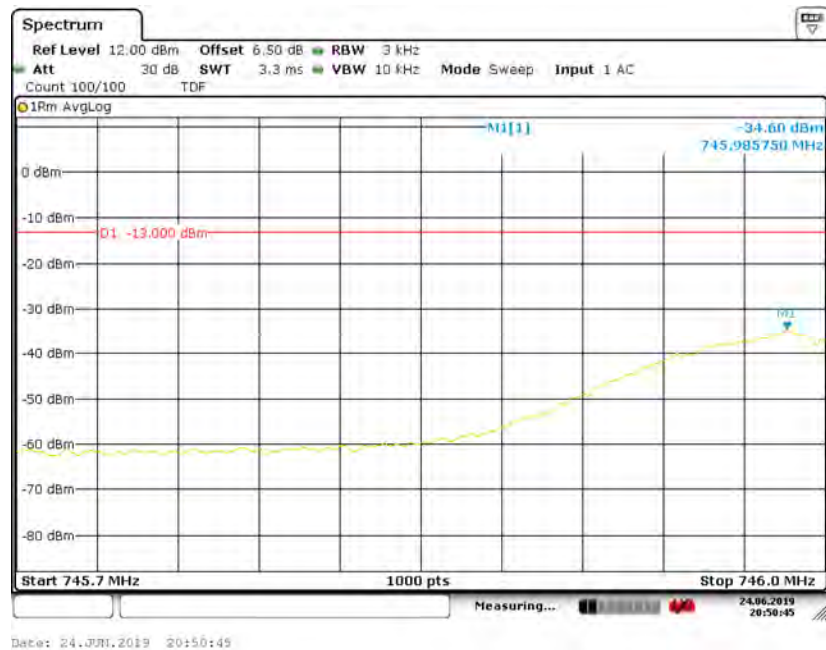
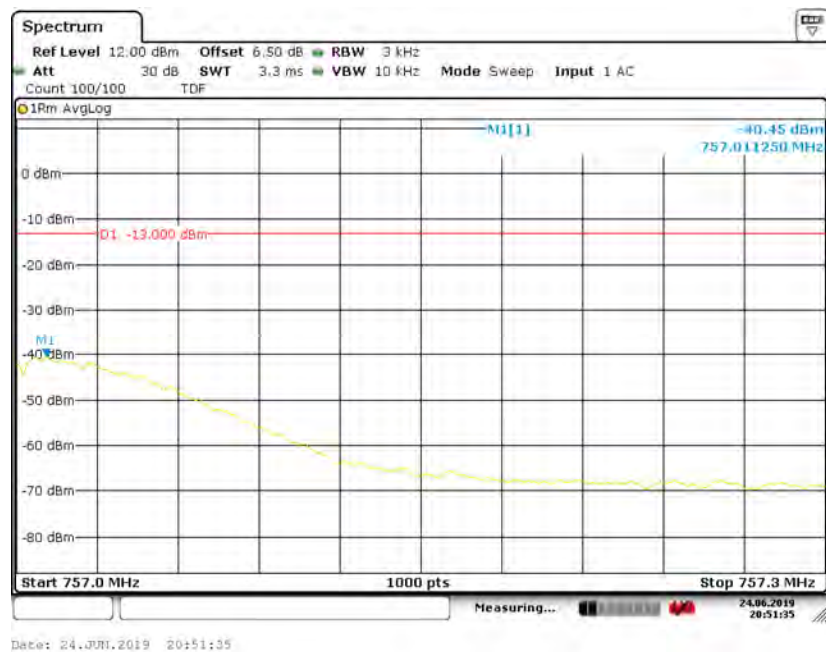
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC**Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC**

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

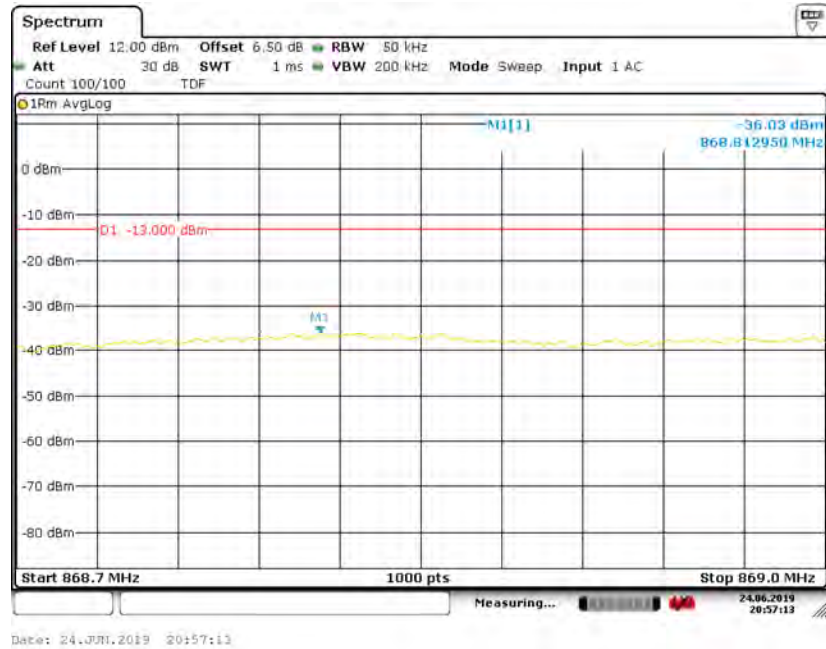
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC**Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC**

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

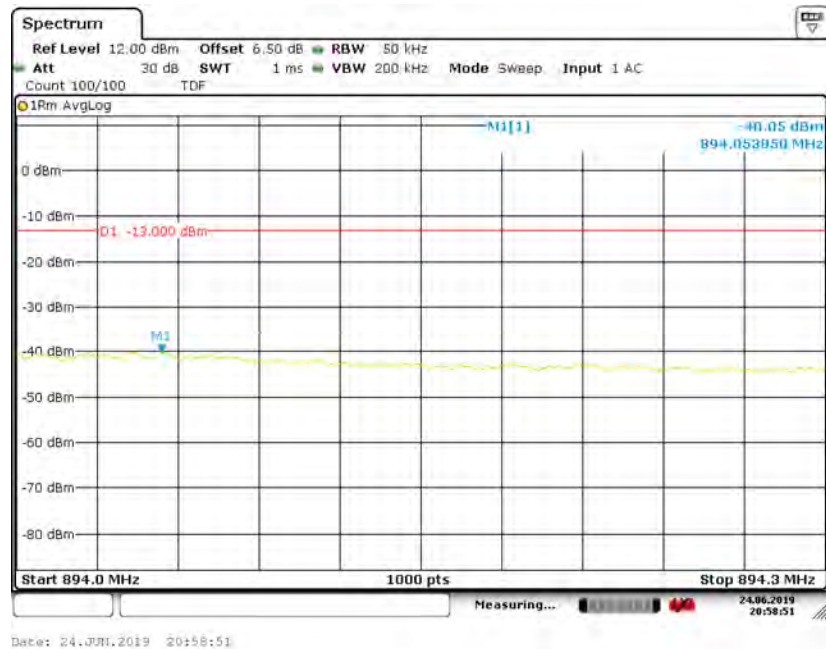
Upper 700MHz (C Block) Band, Left Band Edge for GSM-Pre AGC**Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC**

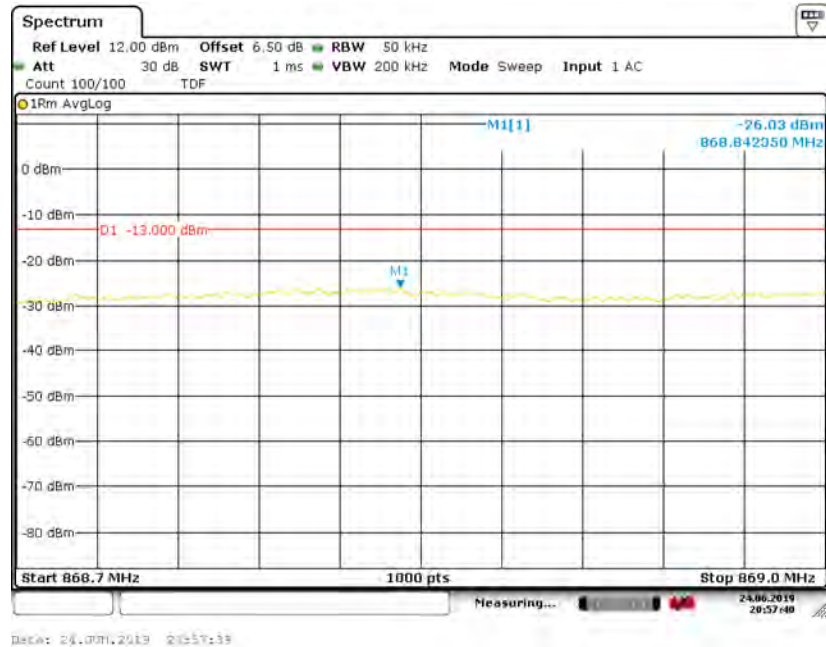
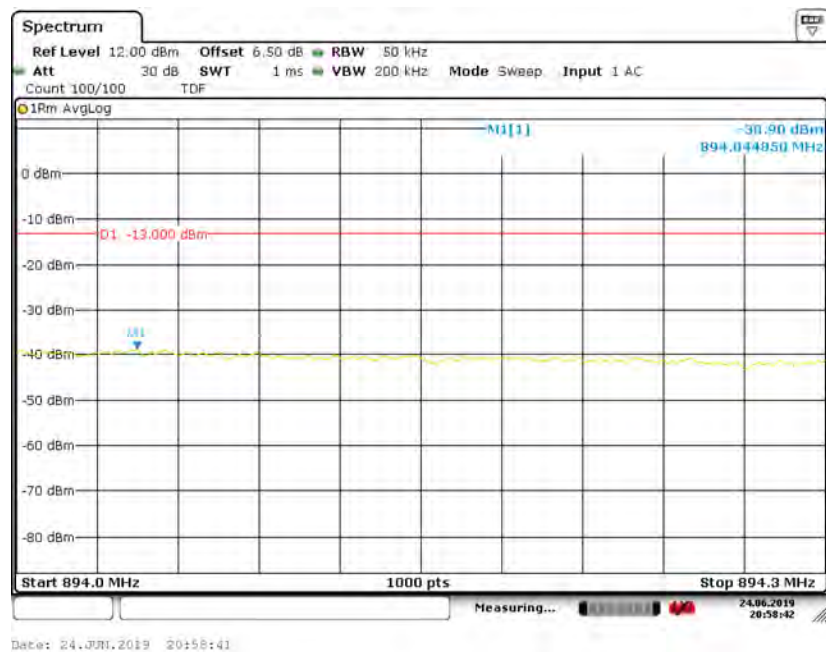
Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC**Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC**

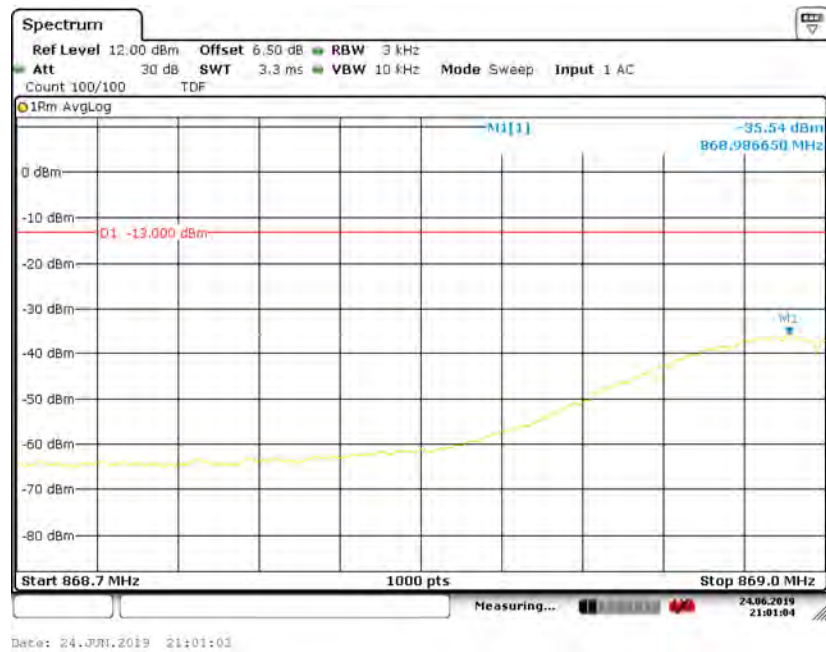
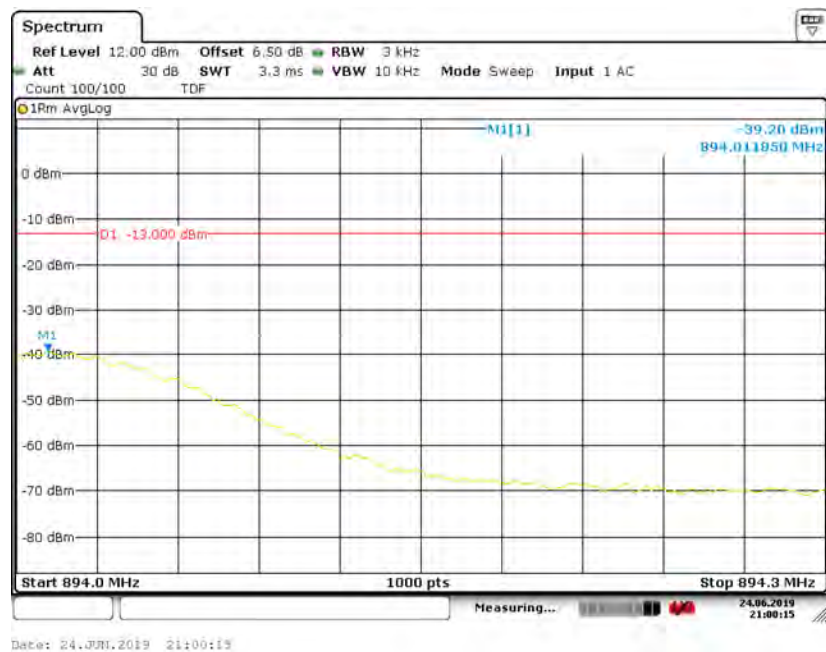
Cellular Band, Left Band Edge for AWGN-Pre AGC



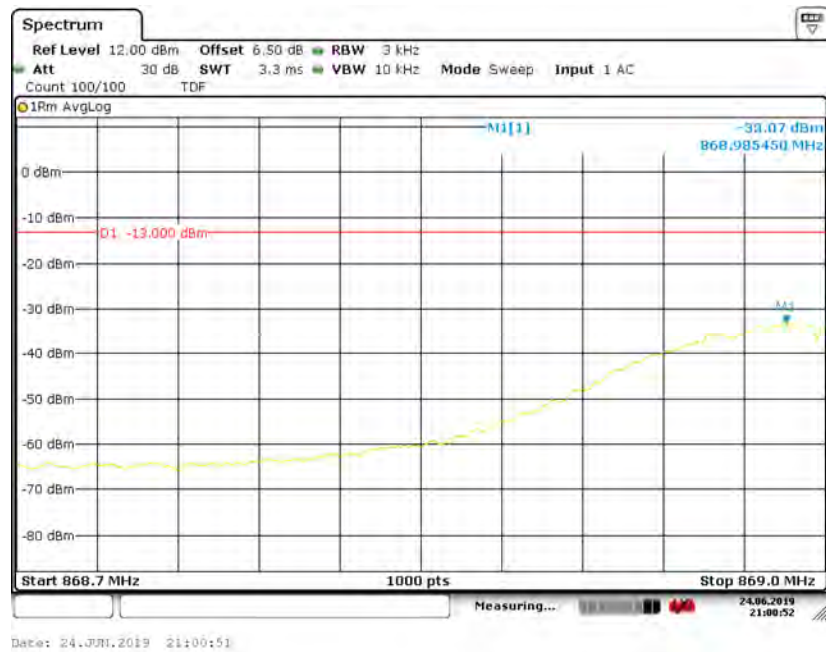
Cellular Band, Right Band Edge for AWGN-Pre AGC



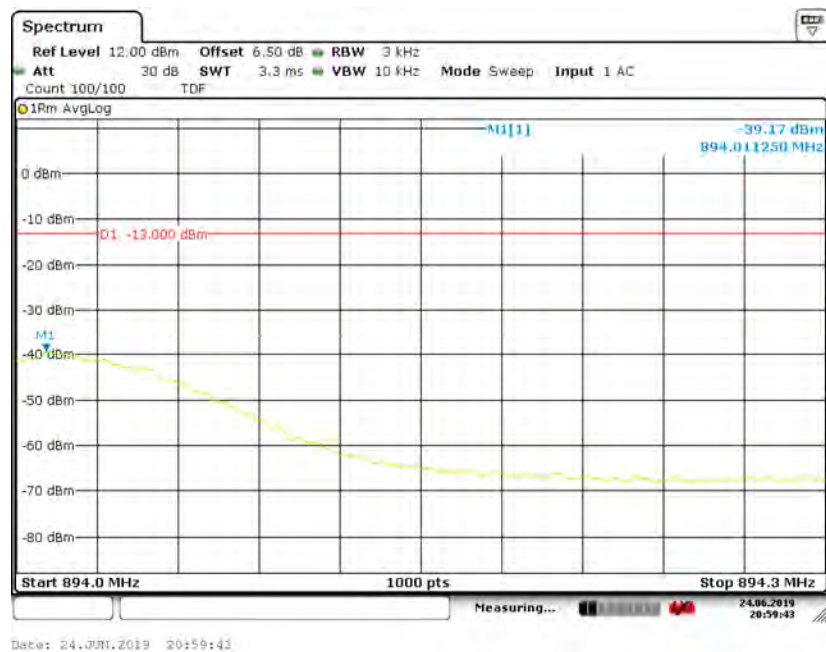
Cellular Band, Left Band Edge for AWGN-3dB Above AGC**Cellular Band, Right Band Edge for AWGN-3dB Above AGC**

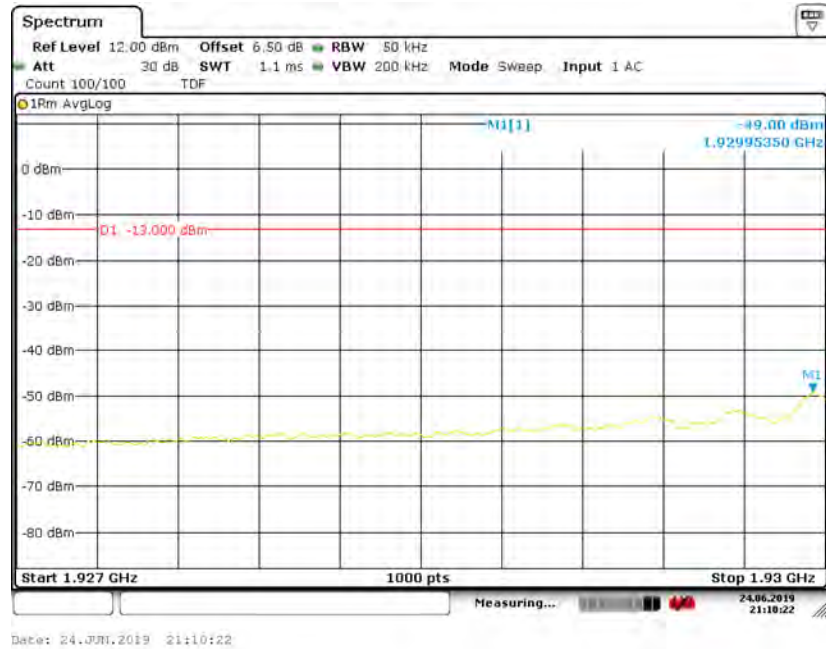
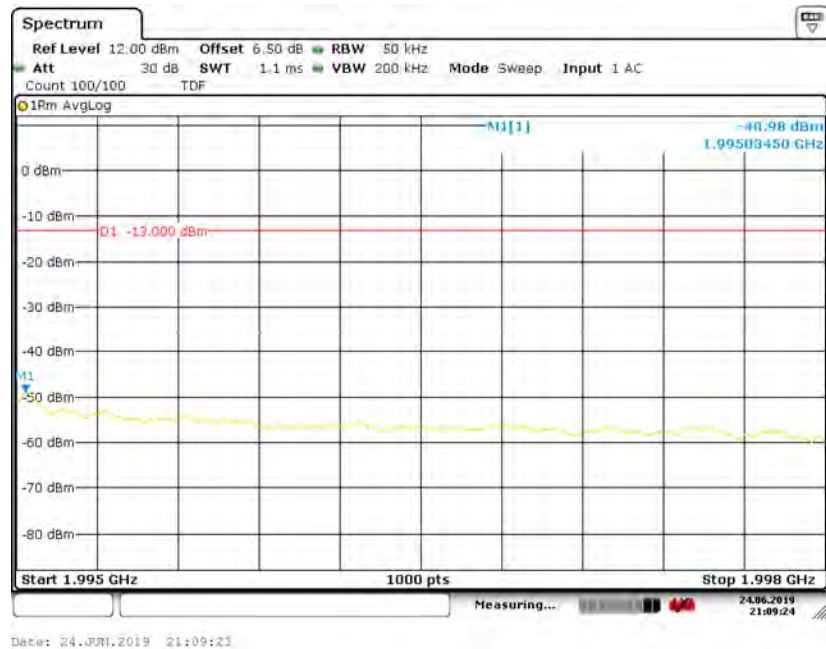
Cellular Band, Left Band Edge for GSM-Pre AGC**Cellular Band, Right Band Edge for GSM-Pre AGC**

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

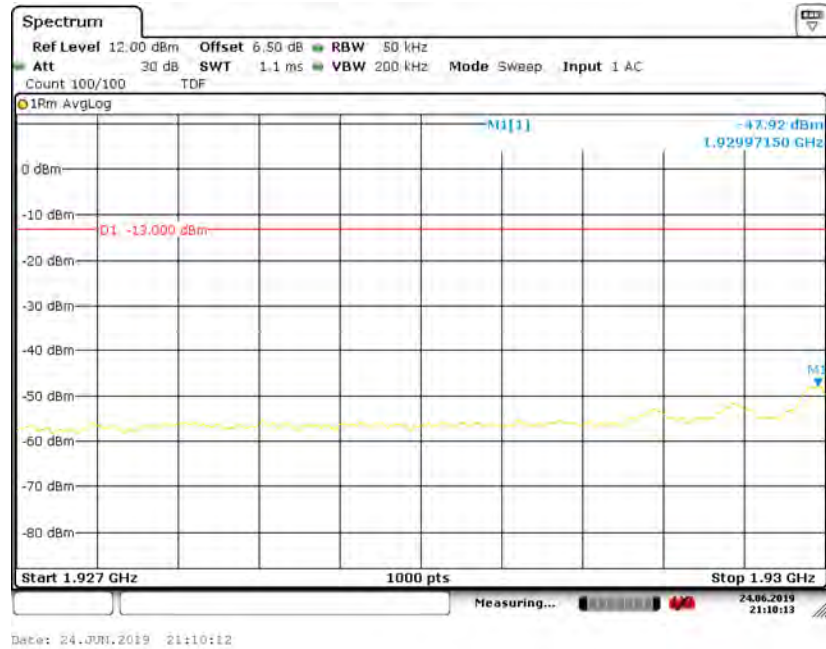


Cellular Band, Right Band Edge for GSM-3dB Above AGC

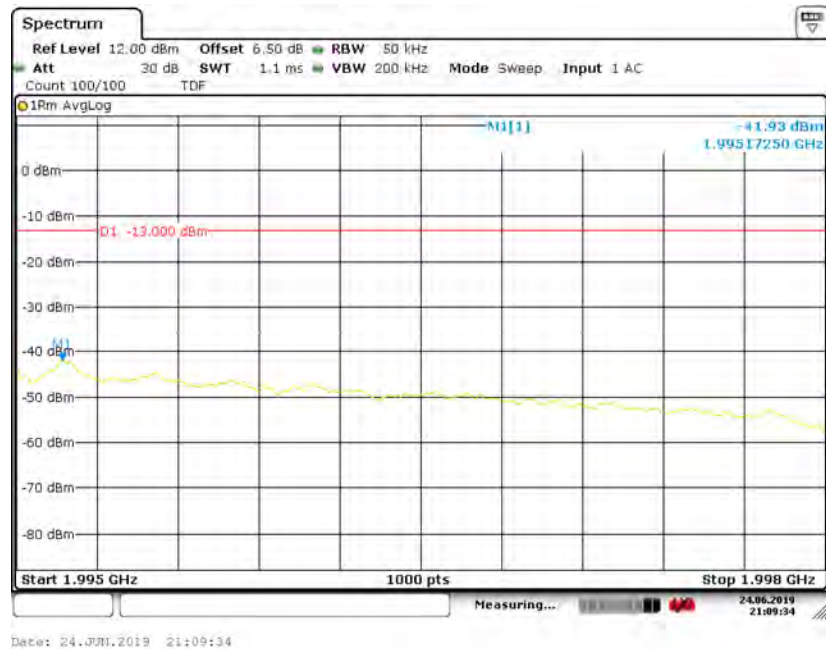


PCS Band, Left Band Edge for AWGN-Pre AGC**PCS Band, Right Band Edge for AWGN-Pre AGC**

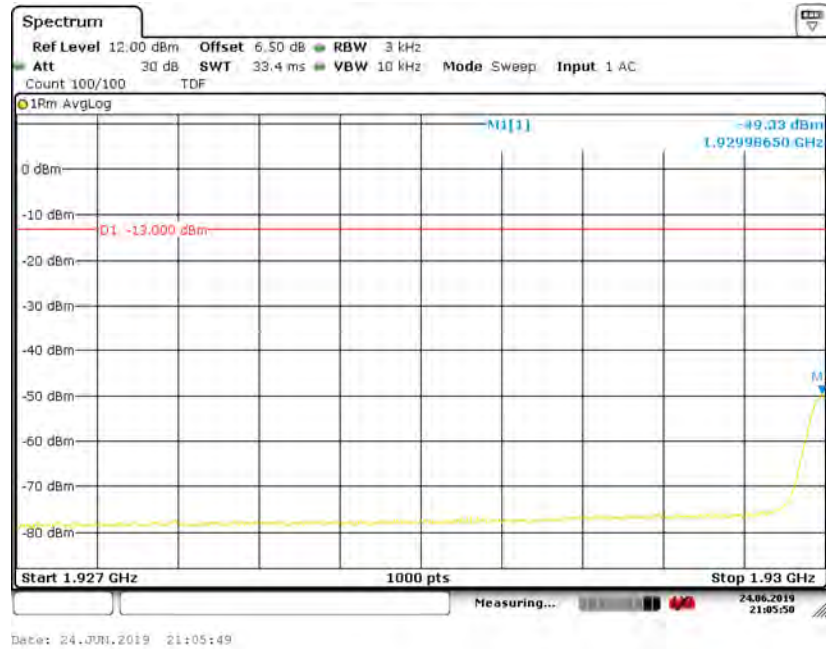
PCS Band, Left Band Edge for AWGN-3dB Above AGC



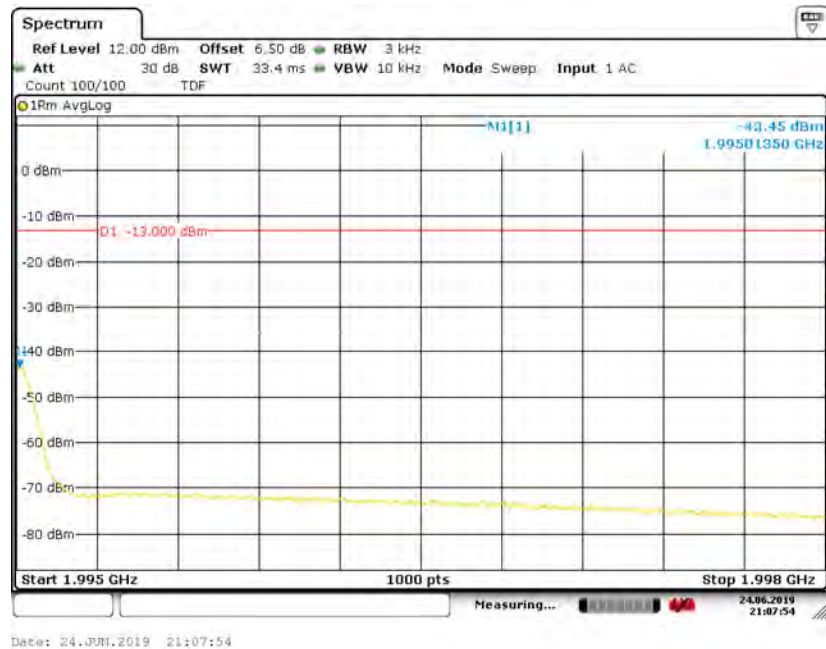
PCS Band, Right Band Edge for AWGN-3dB Above AGC



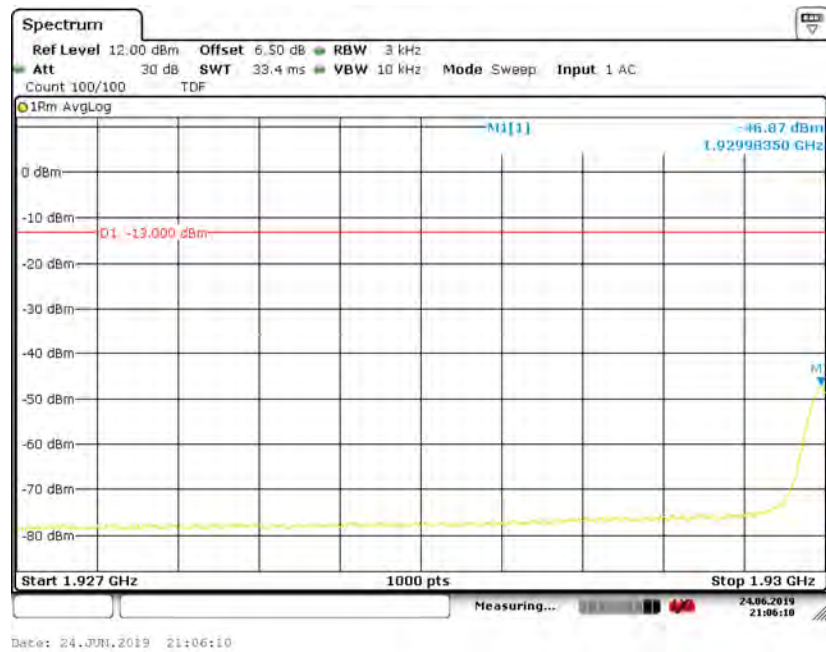
PCS Band, Left Band Edge for GSM-Pre AGC



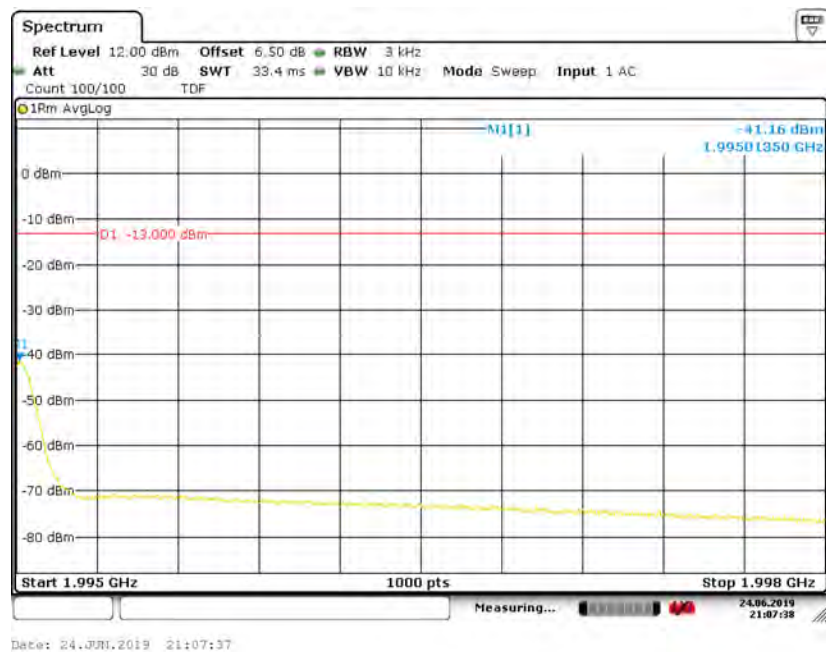
PCS Band, Right Band Edge for GSM-Pre AGC



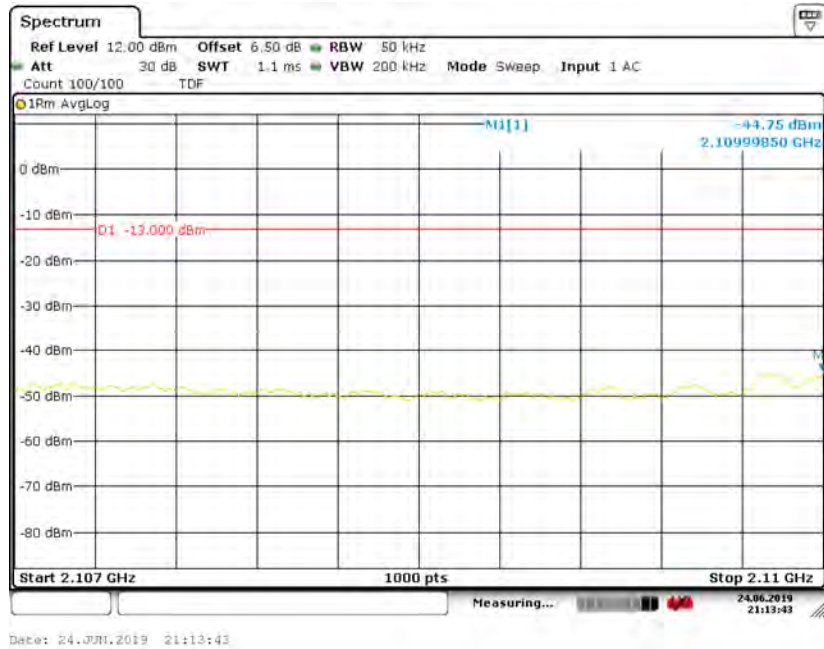
PCS Band, Left Band Edge for GSM-3dB Above AGC



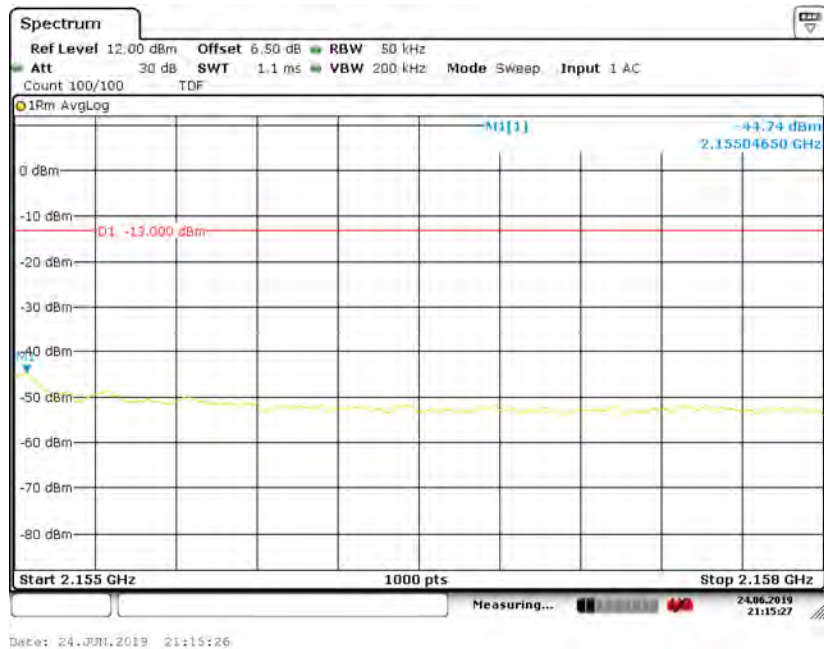
PCS Band, Right Band Edge for GSM-3dB Above AGC



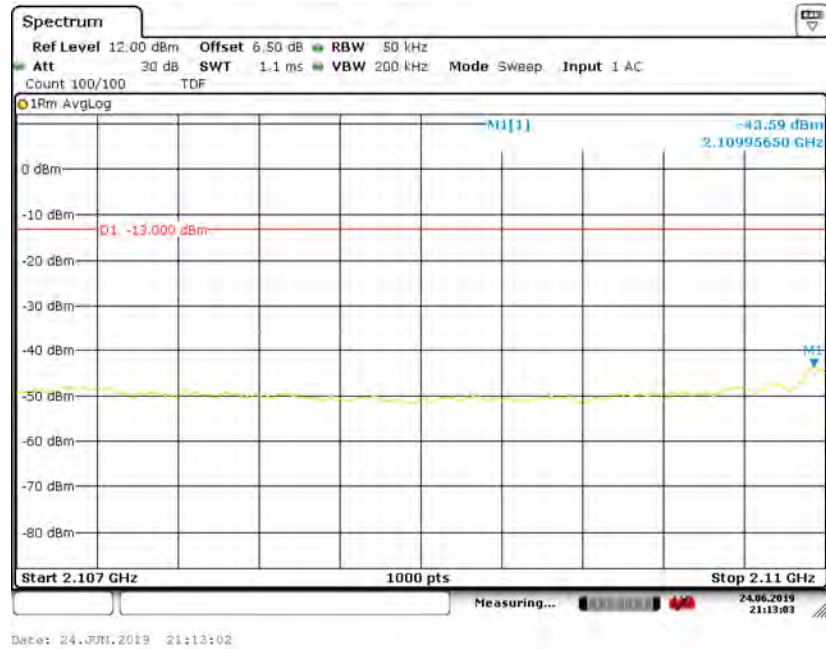
AWS Band, Left Band Edge for AWGN-Pre AGC



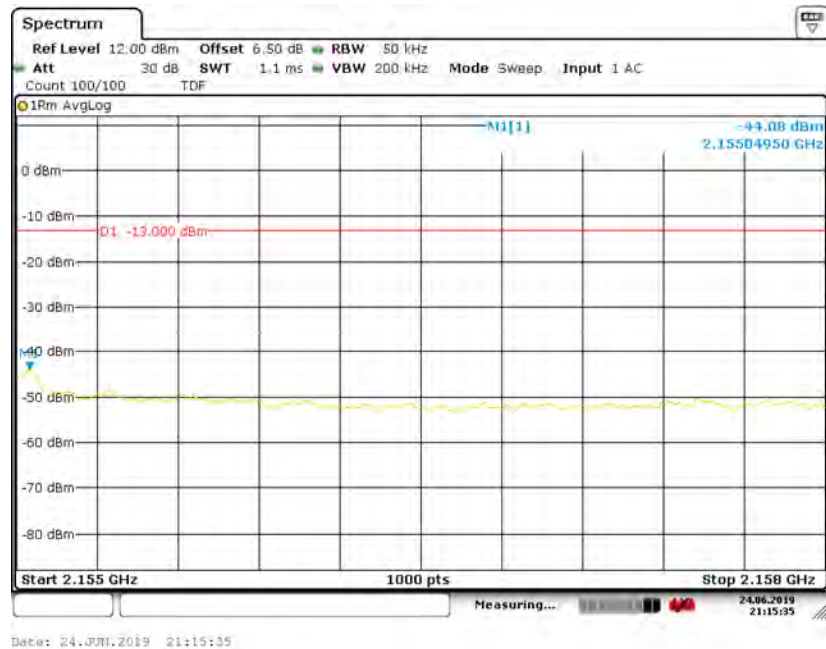
AWS Band, Right Band Edge for AWGN-Pre AGC



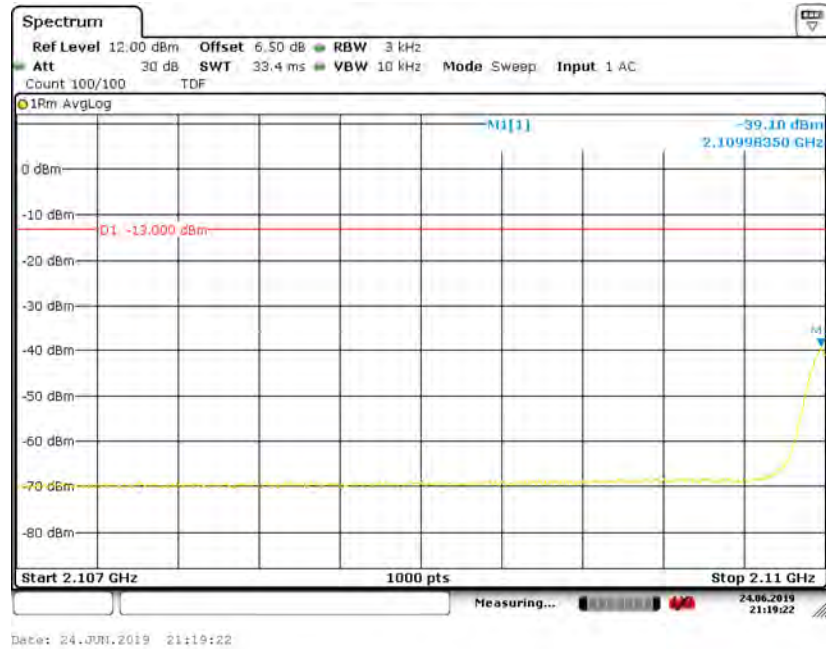
AWS Band, Left Band Edge for AWGN-3dB Above AGC



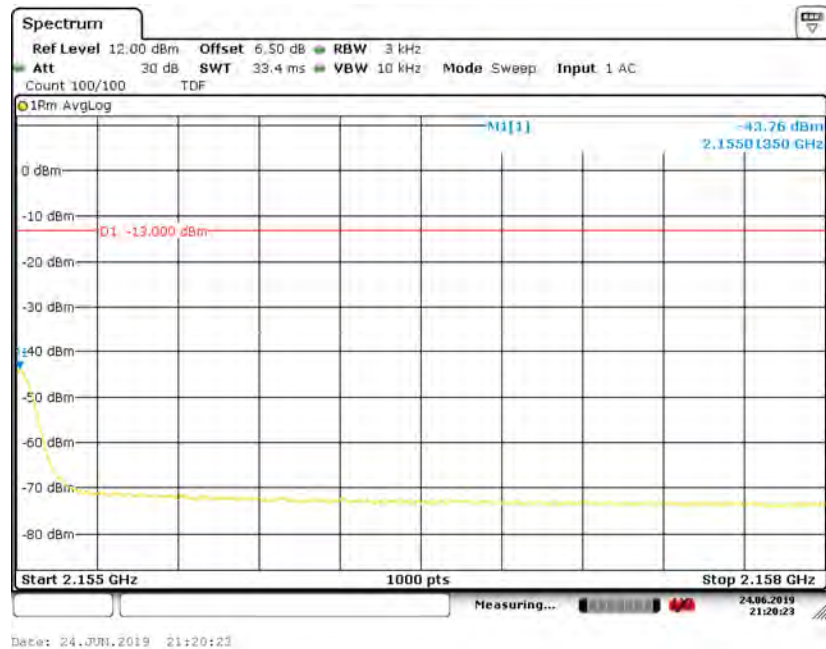
AWS Band, Right Band Edge for AWGN-3dB Above AGC

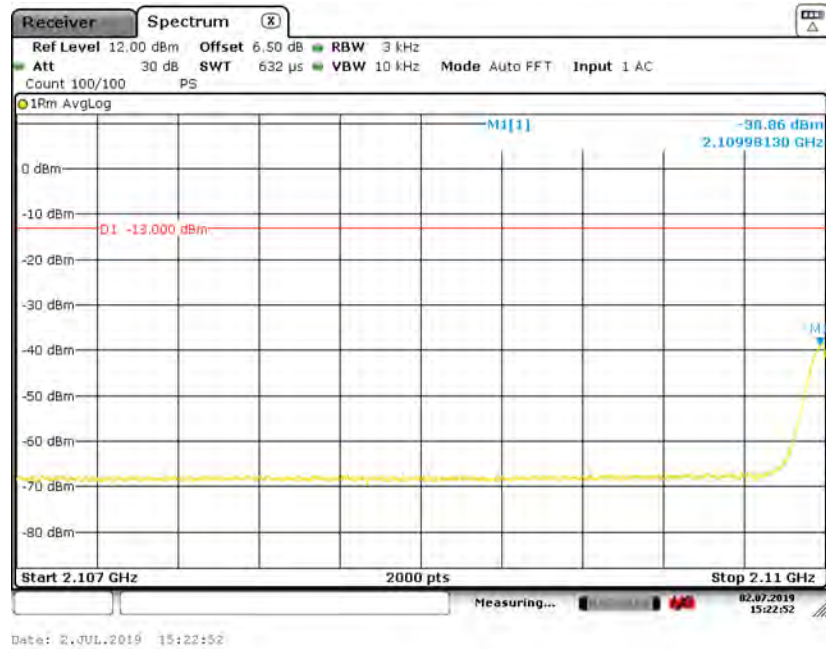
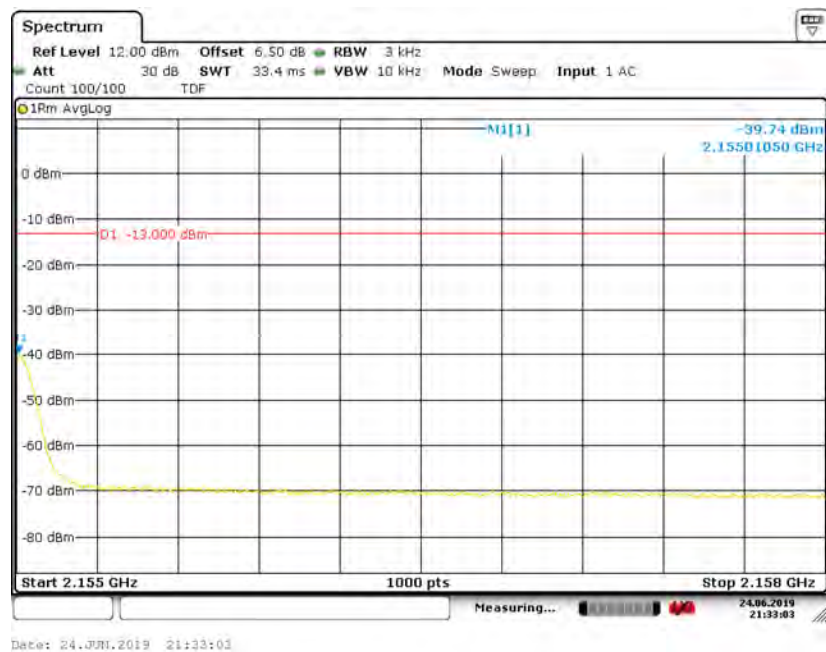


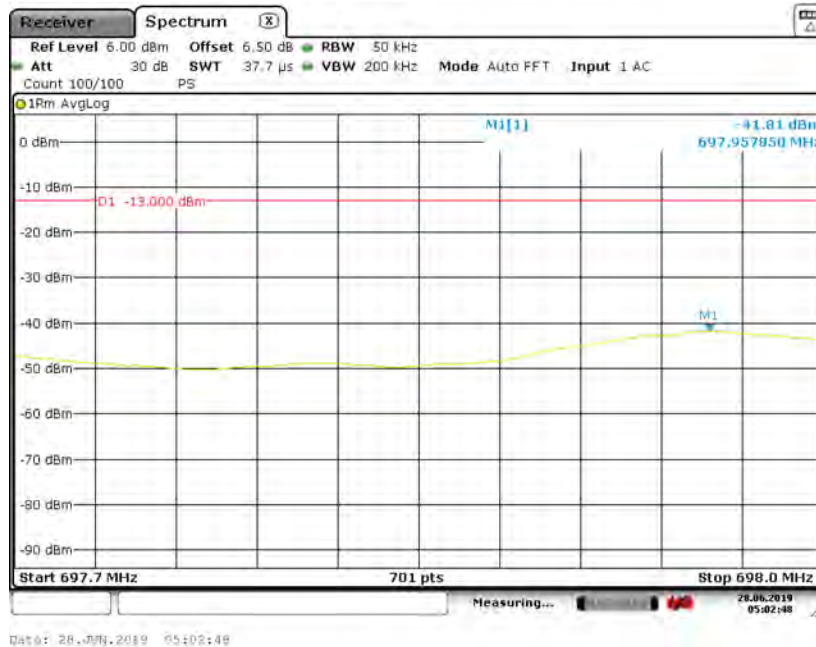
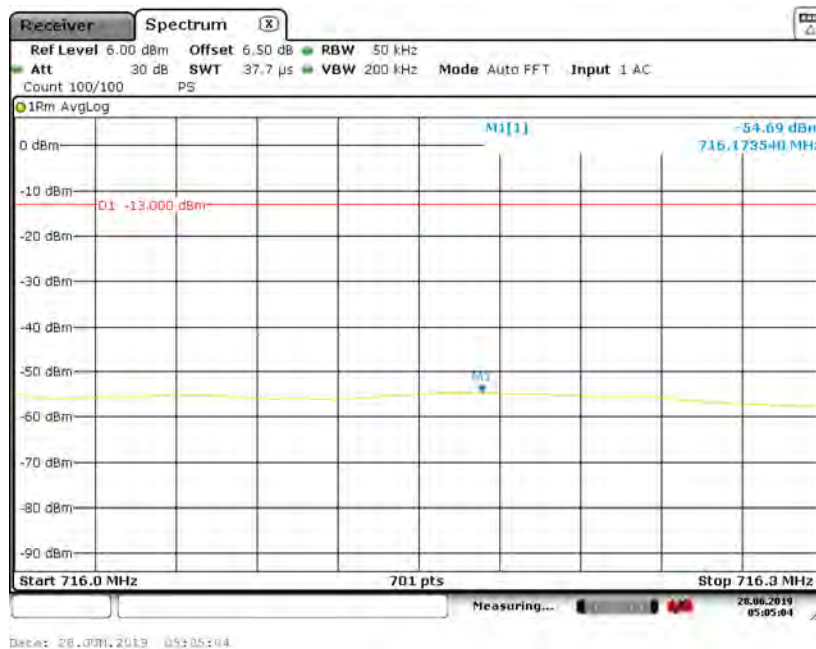
AWS Band, Left Band Edge for GSM-Pre AGC

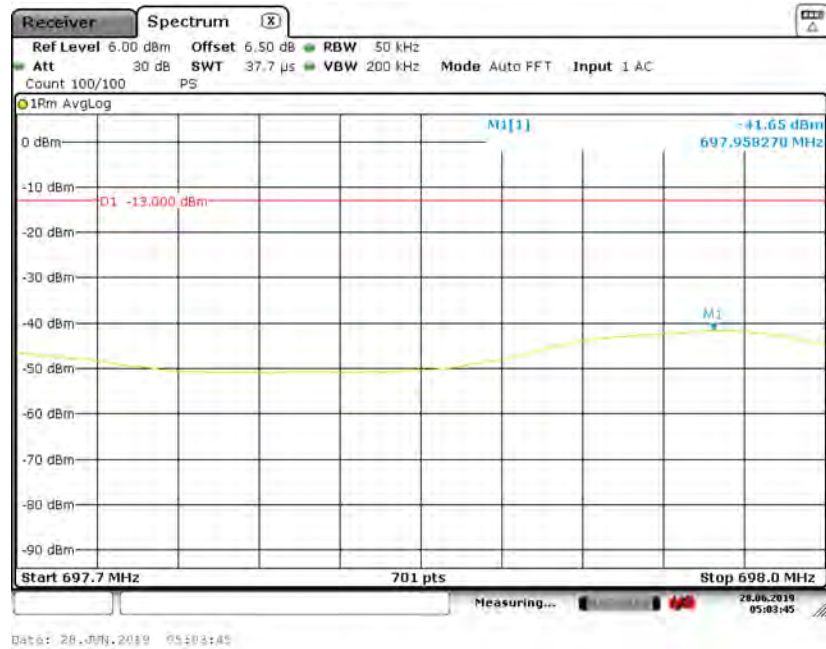
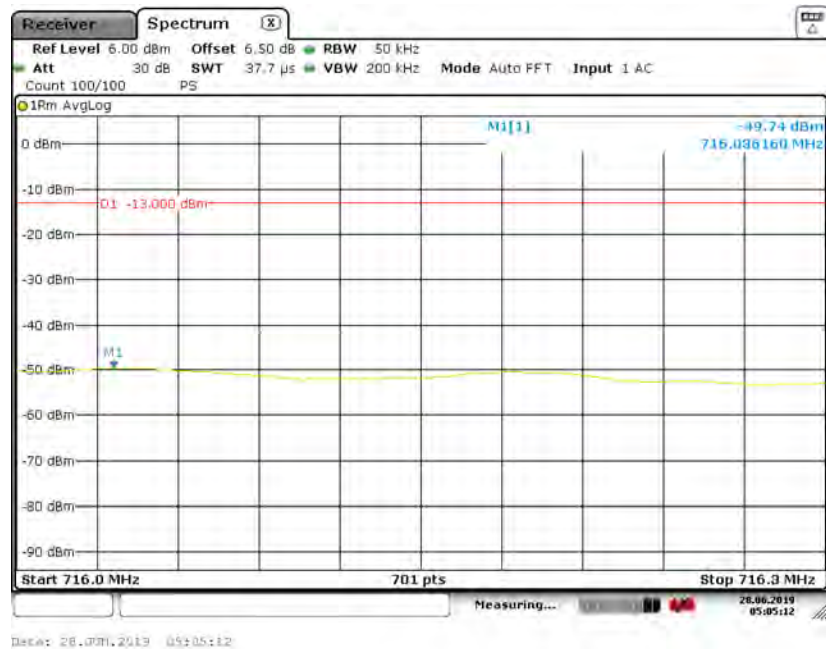


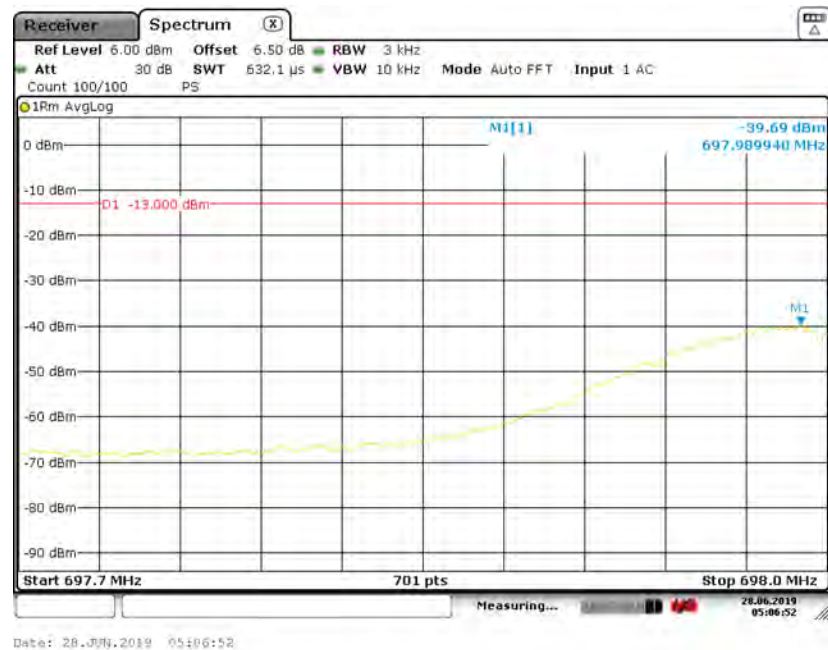
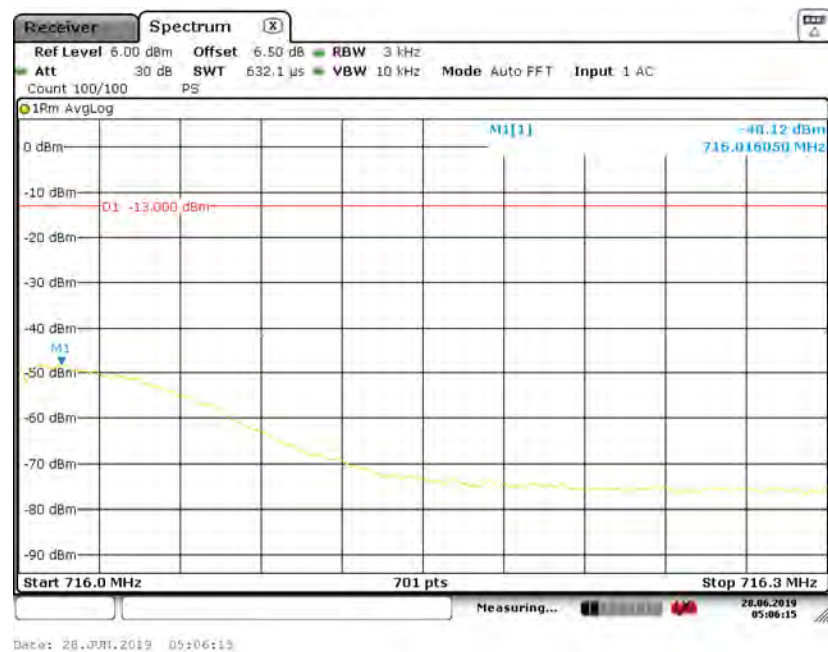
AWS Band, Right Band Edge for GSM-Pre AGC

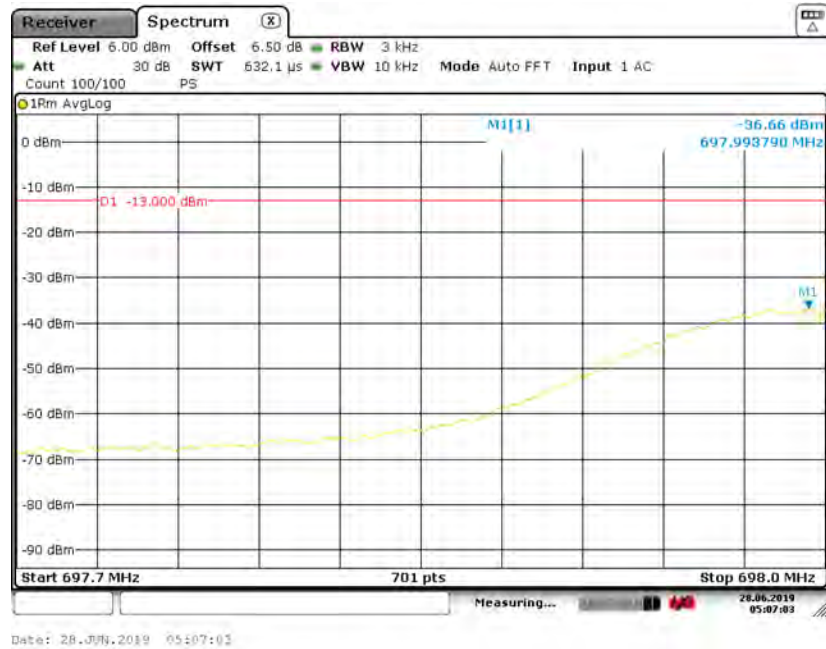
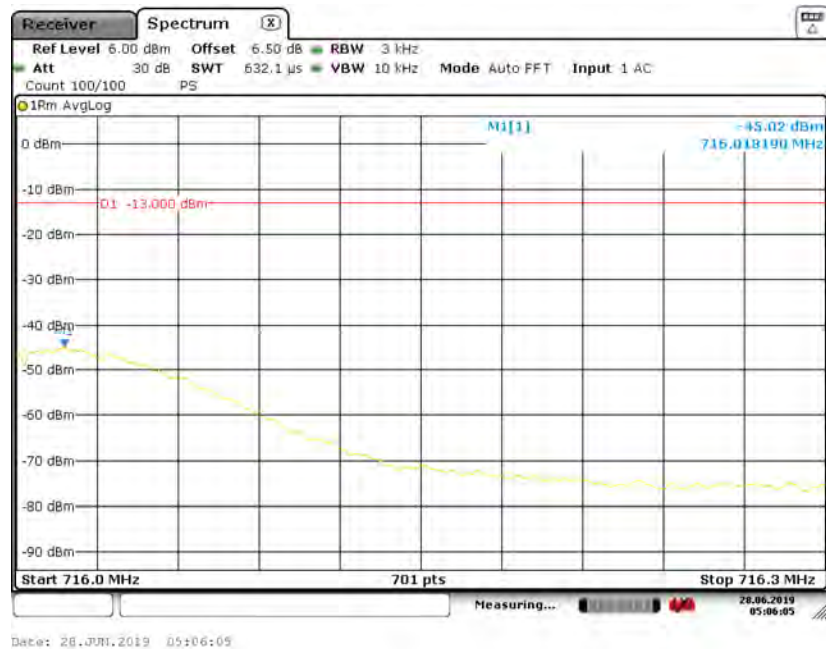


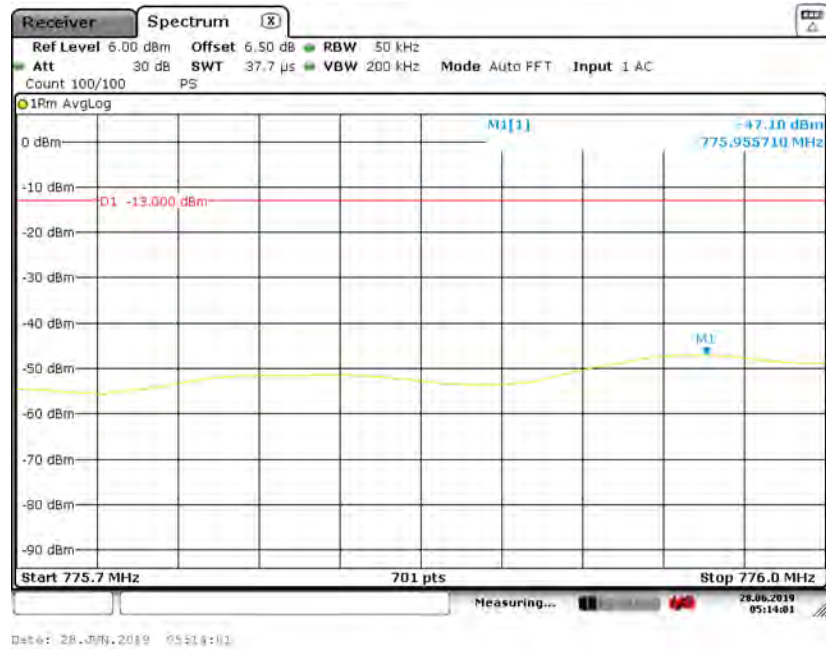
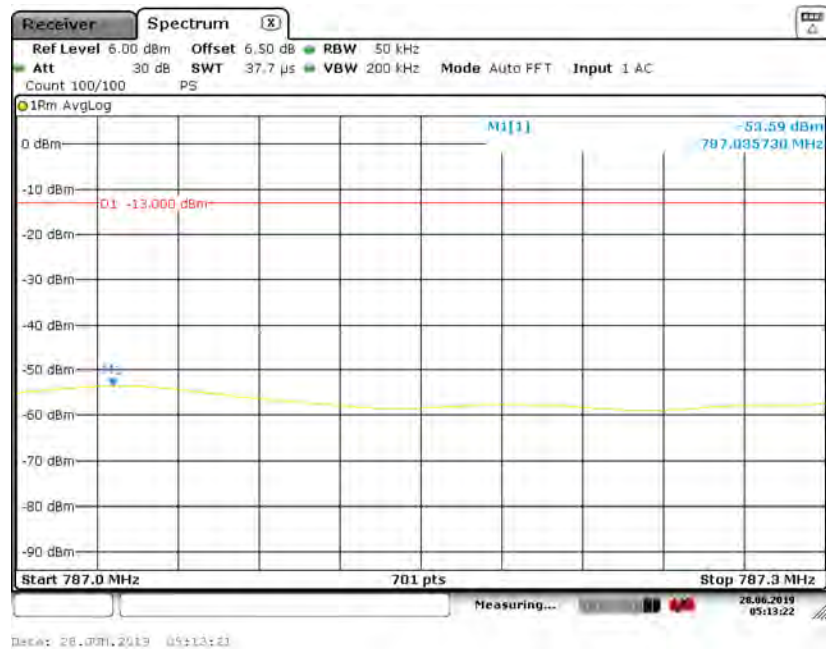
AWS Band, Left Band Edge for GSM-3dB Above AGC**AWS Band, Right Band Edge for GSM-3dB Above AGC**

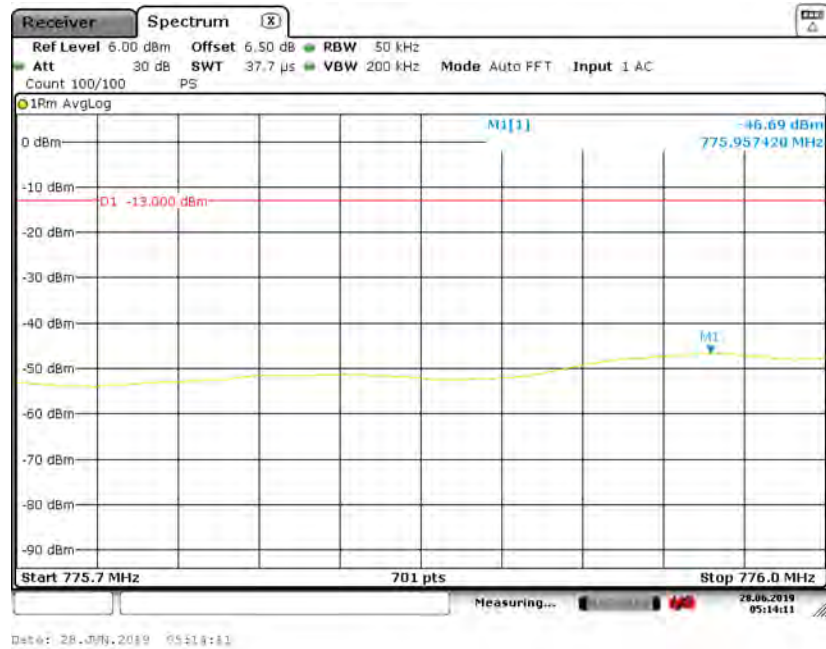
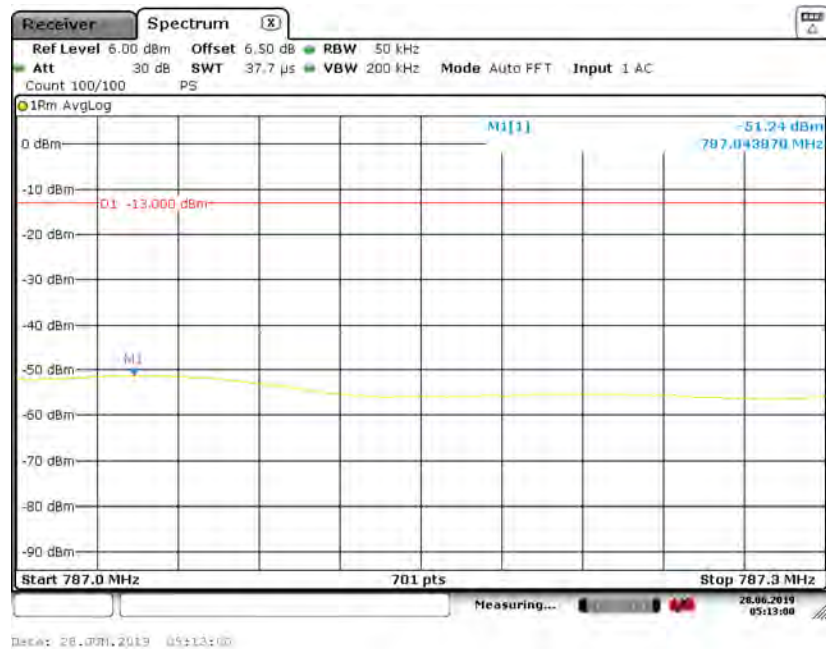
Inter-Modulation**Uplink:****Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC****Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC**

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

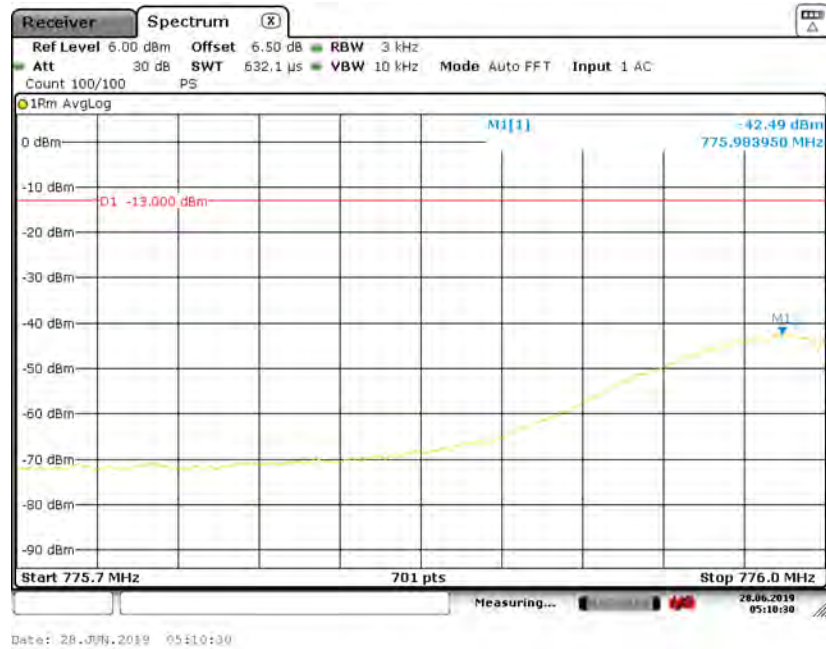
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC**Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC**

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

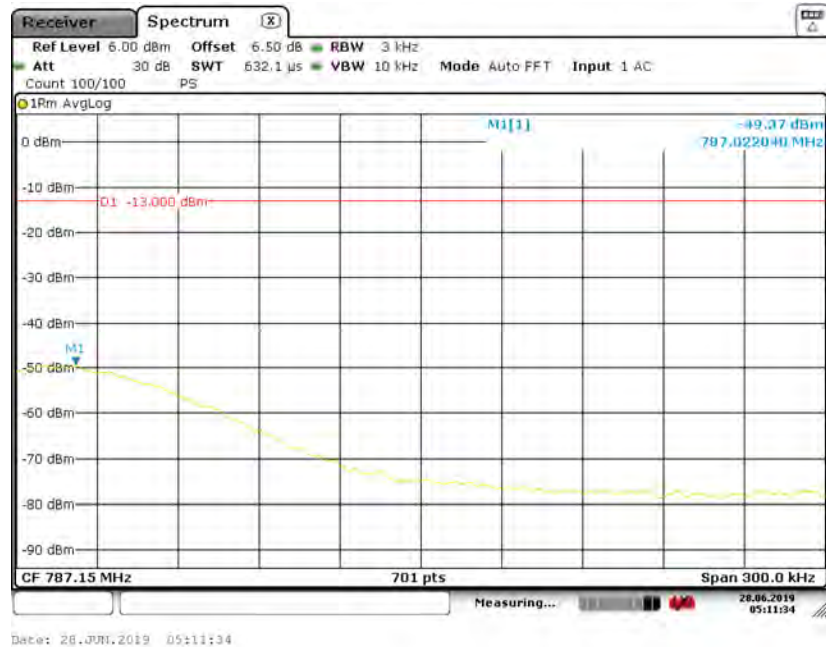
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC**Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC**

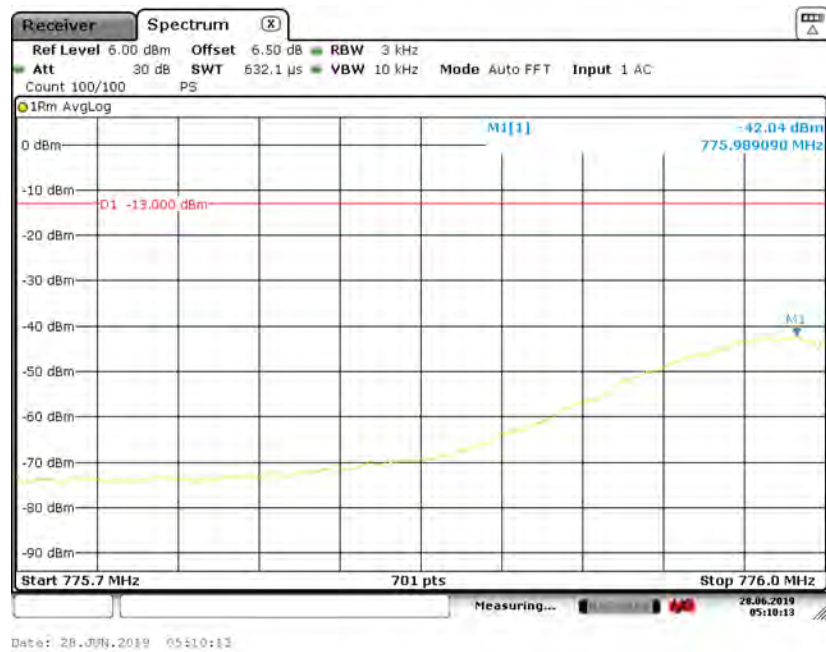
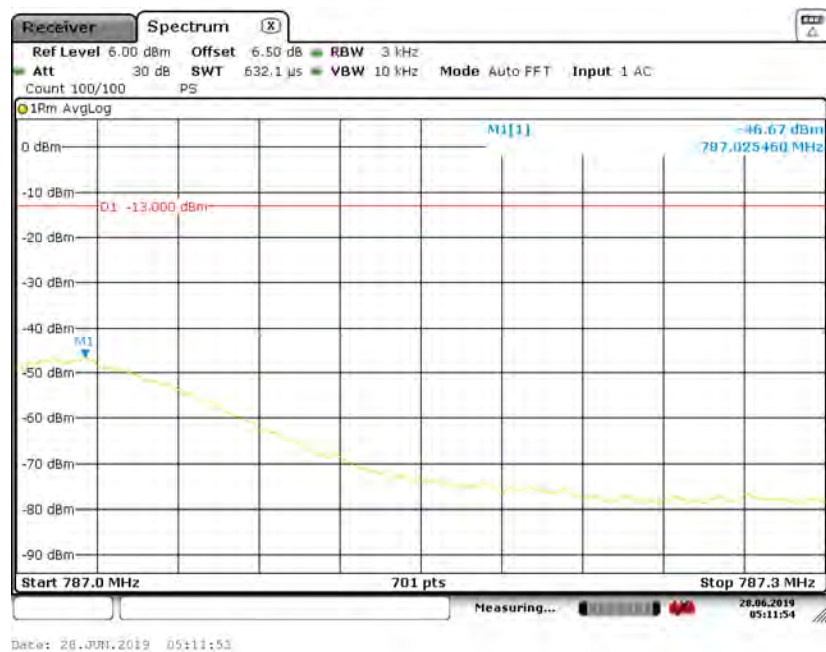
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-3dB Above AGC**Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC**

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

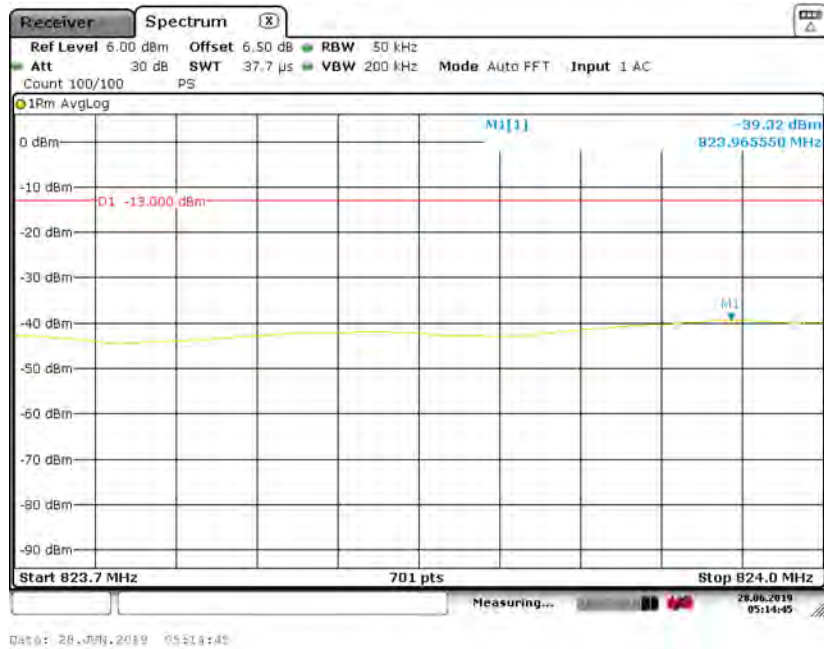


Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC

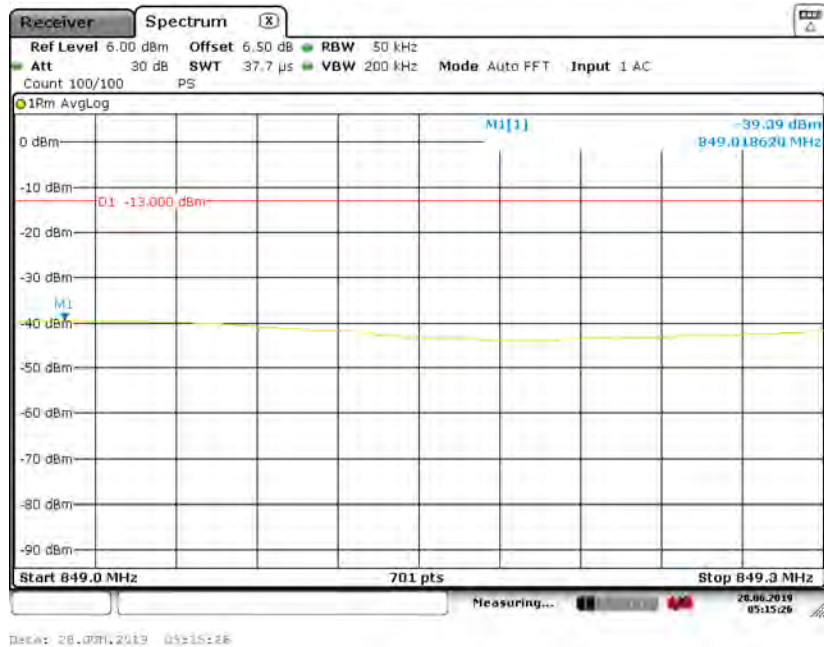


Upper 700MHz (C Block) Band, Left Band Edge for GSM-3dB Above AGC**Upper 700MHz (C Block) Band, Right Band Edge for GSM-3dB Above AGC**

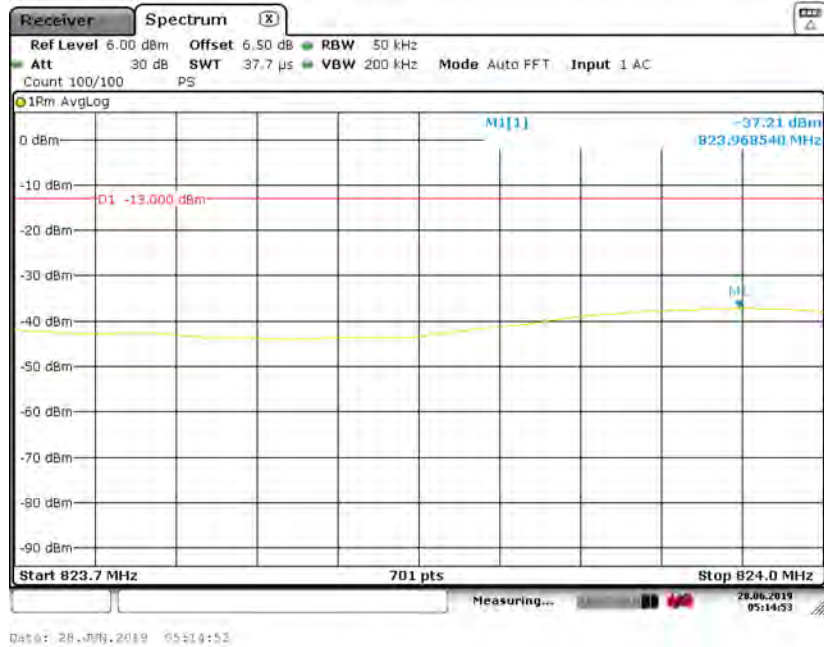
Cellular Band, Left Band Edge for AWGN-Pre AGC



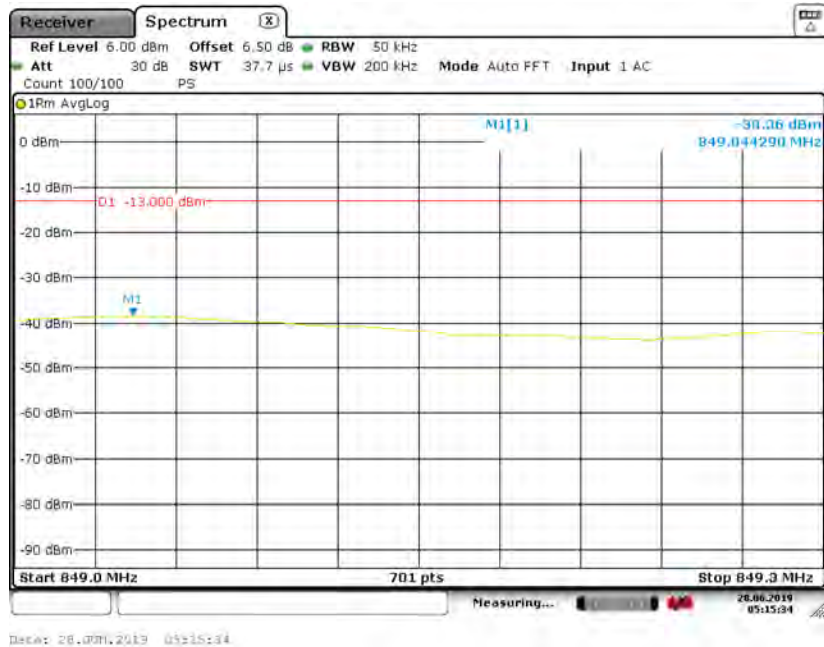
Cellular Band, Right Band Edge for AWGN-Pre AGC



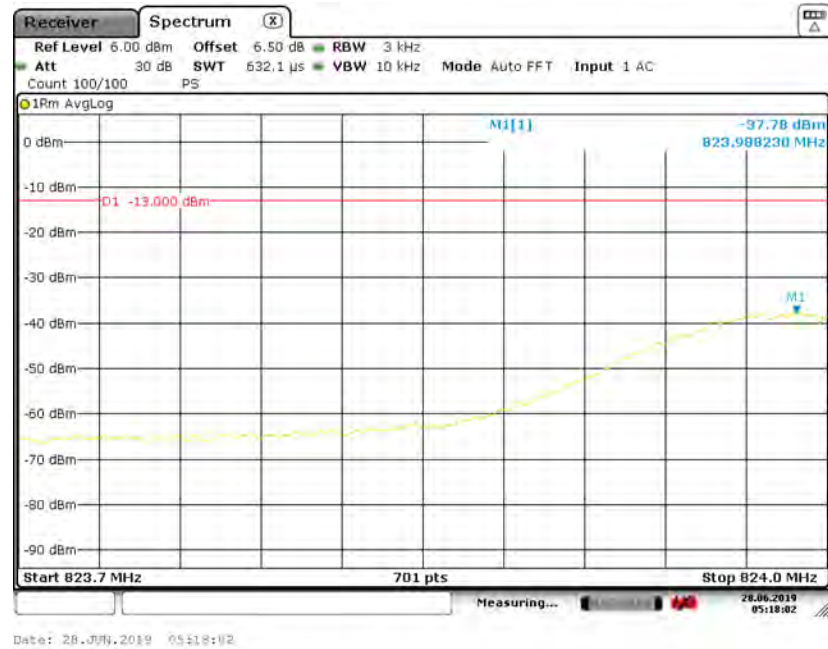
Cellular Band, Left Band Edge for AWGN-3dB Above AGC



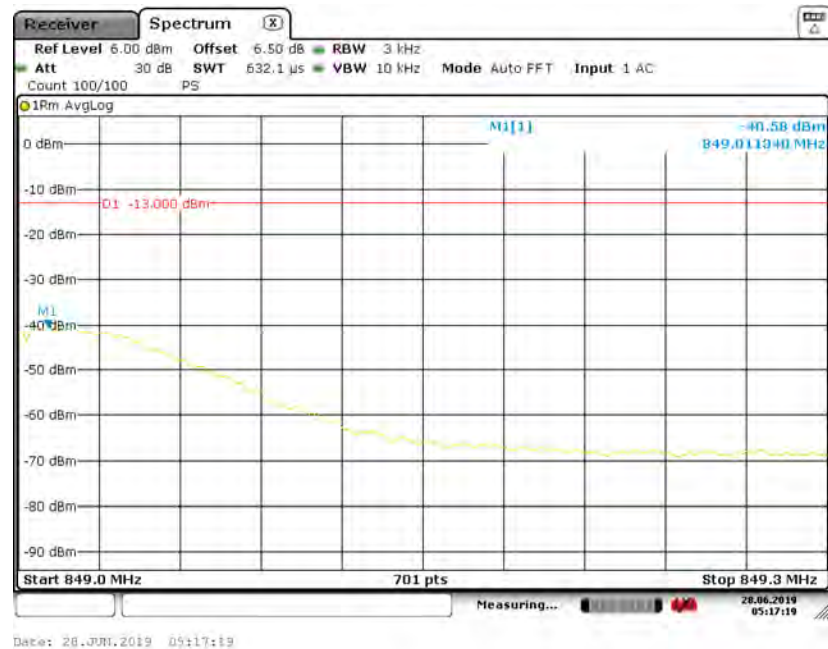
Cellular Band, Right Band Edge for AWGN-3dB Above AGC



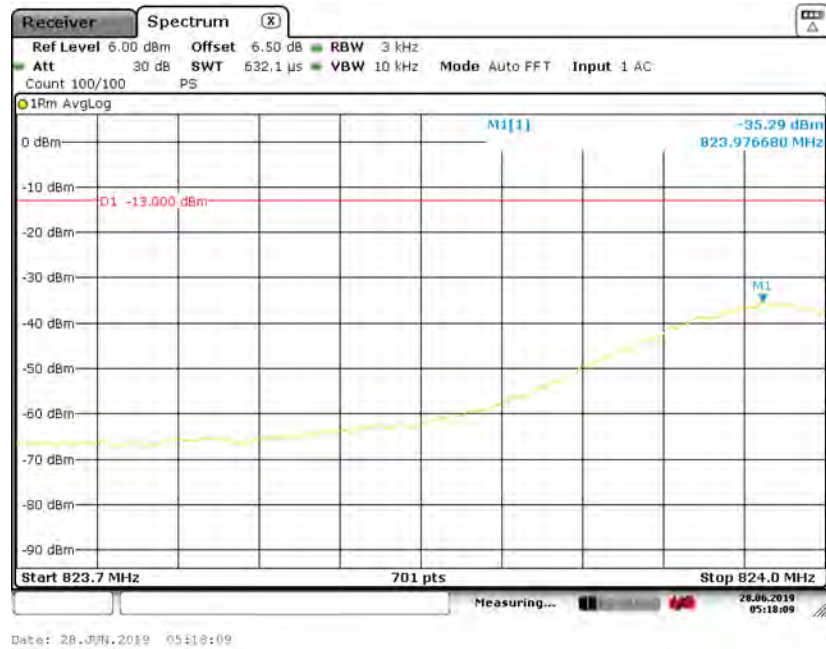
Cellular Band, Left Band Edge for GSM-Pre AGC



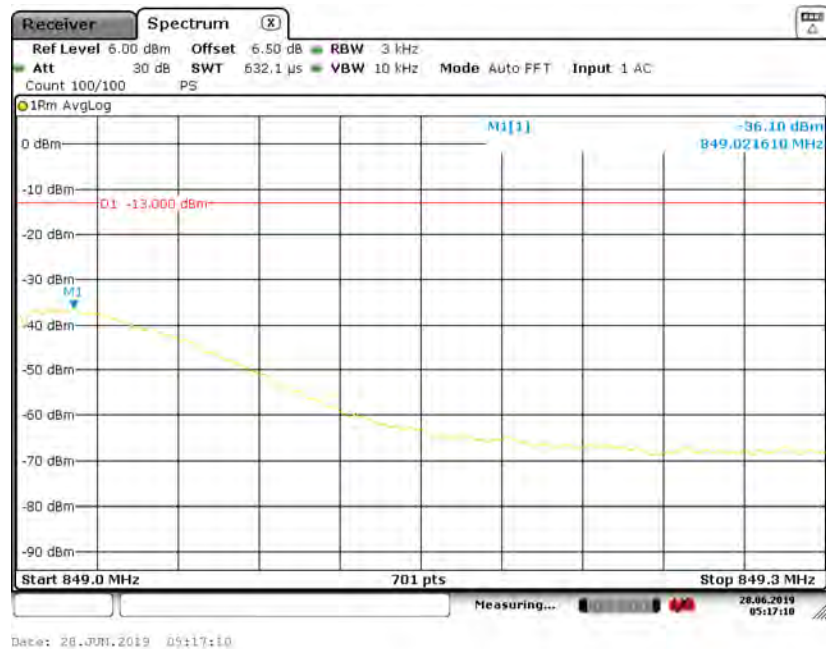
Cellular Band, Right Band Edge for GSM-Pre AGC

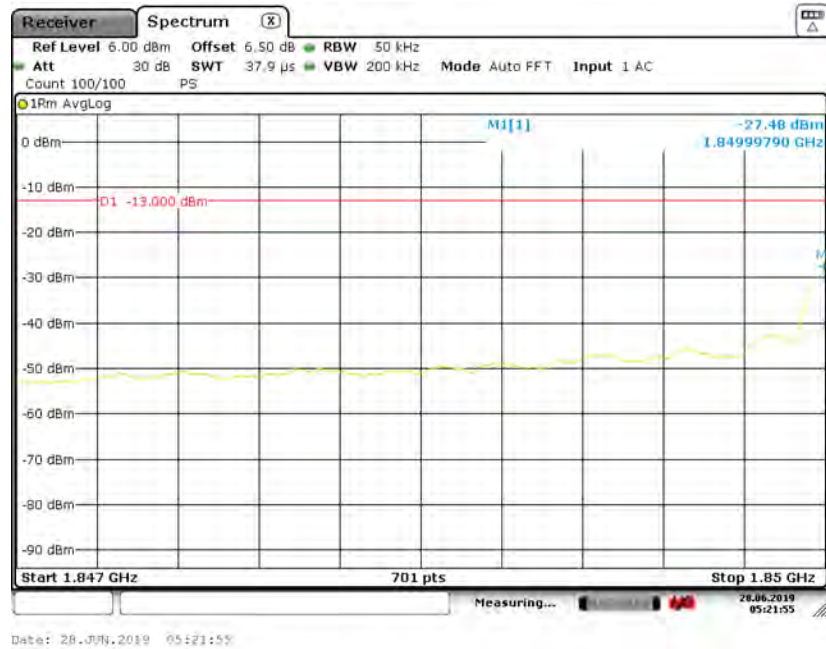
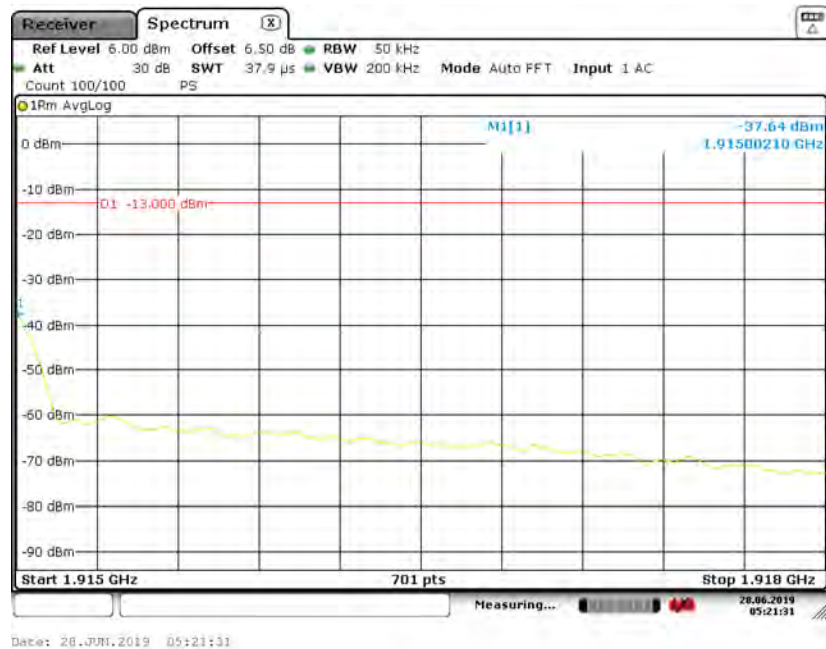


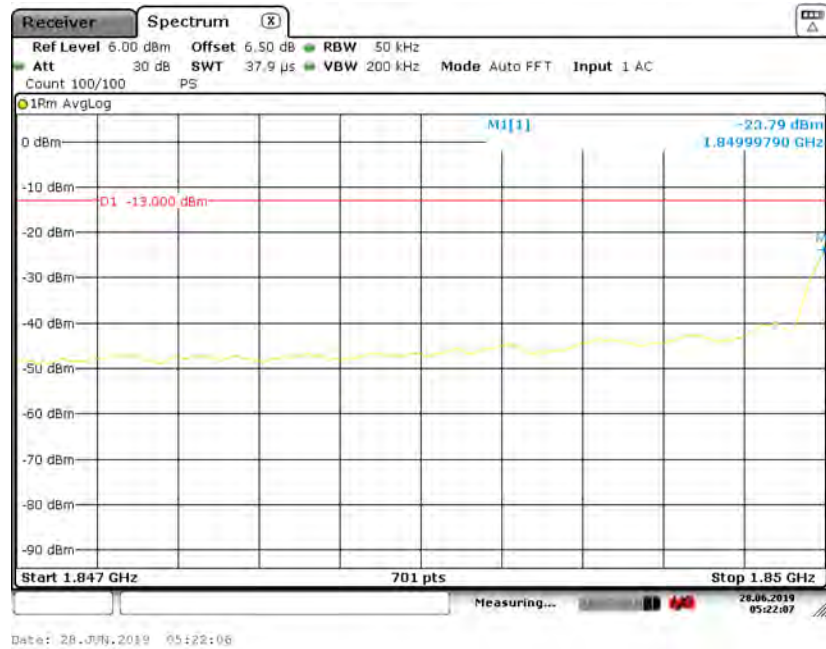
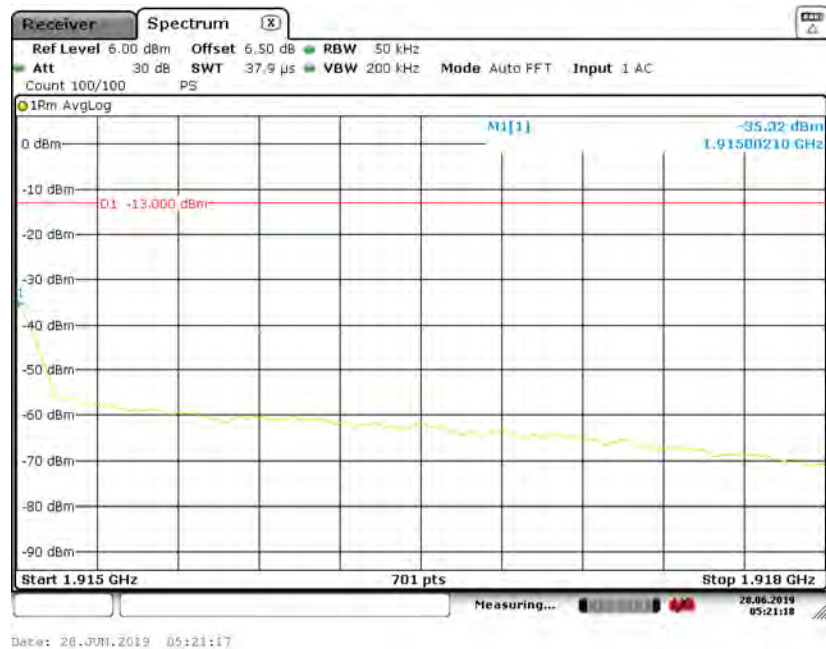
Cellular Band, Left Band Edge for GSM-3dB Above AGC

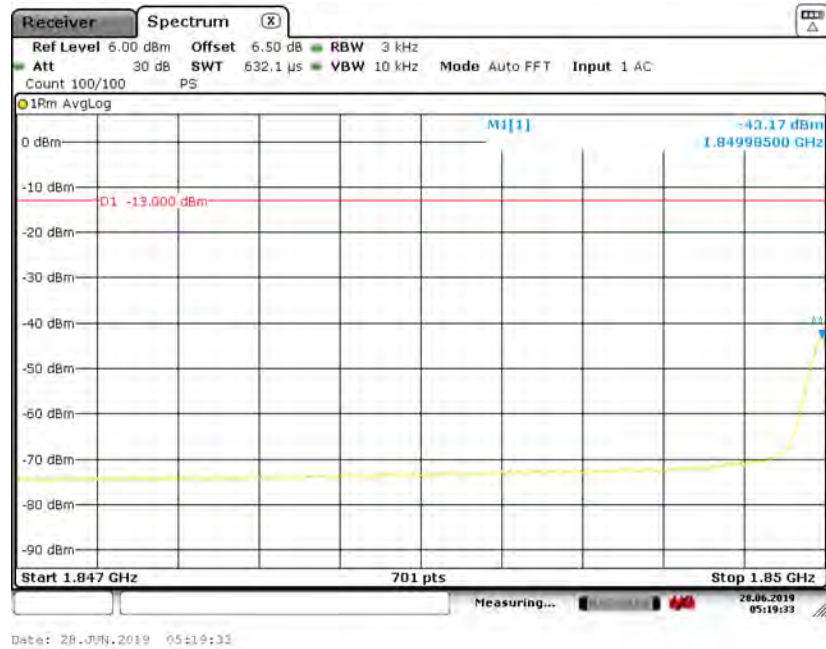
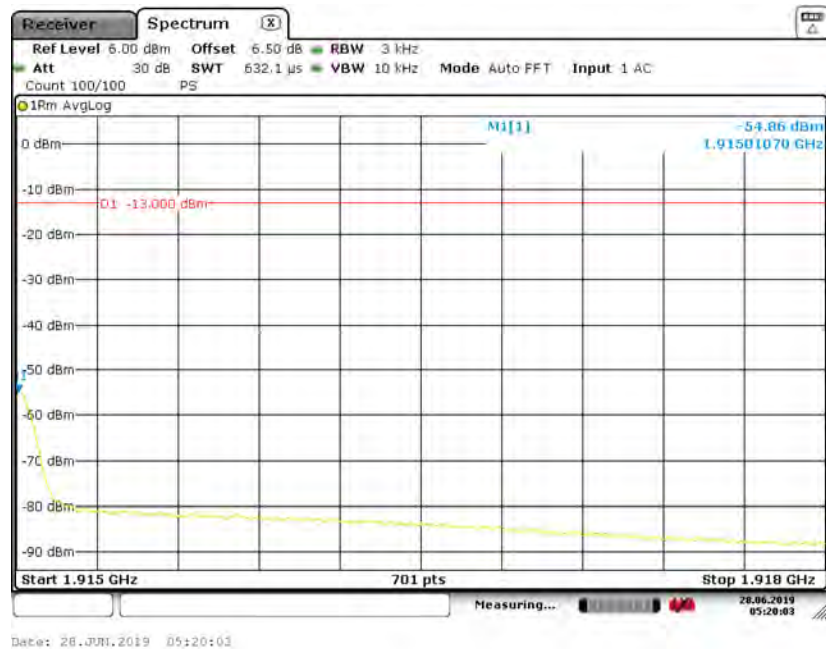


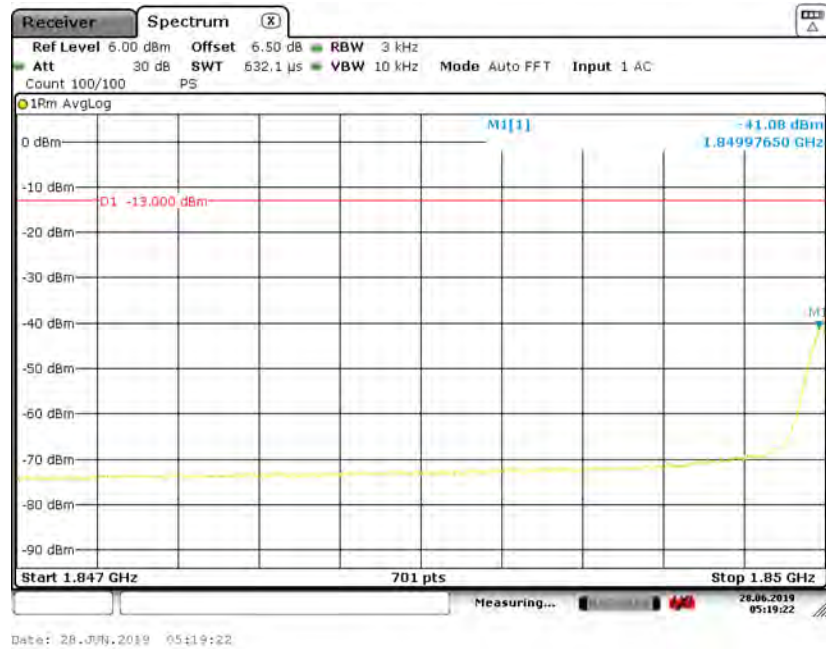
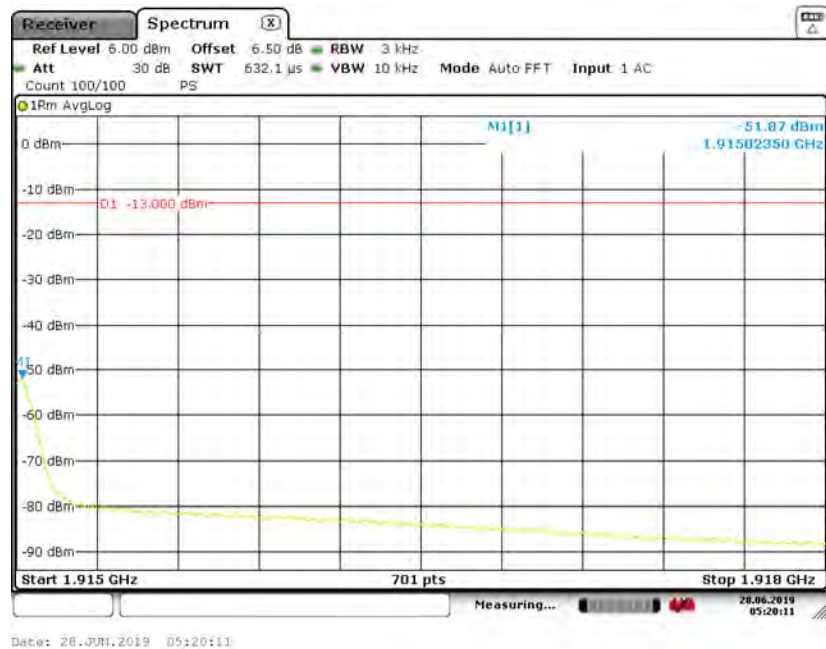
Cellular Band, Right Band Edge for GSM-3dB Above AGC



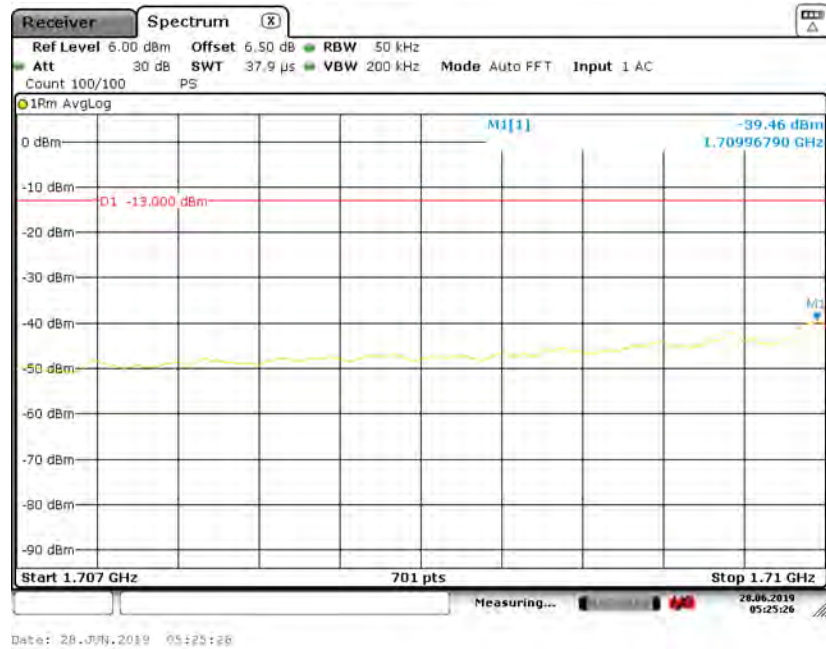
PCS Band, Left Band Edge for AWGN-Pre AGC**PCS Band, Right Band Edge for AWGN-Pre AGC**

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

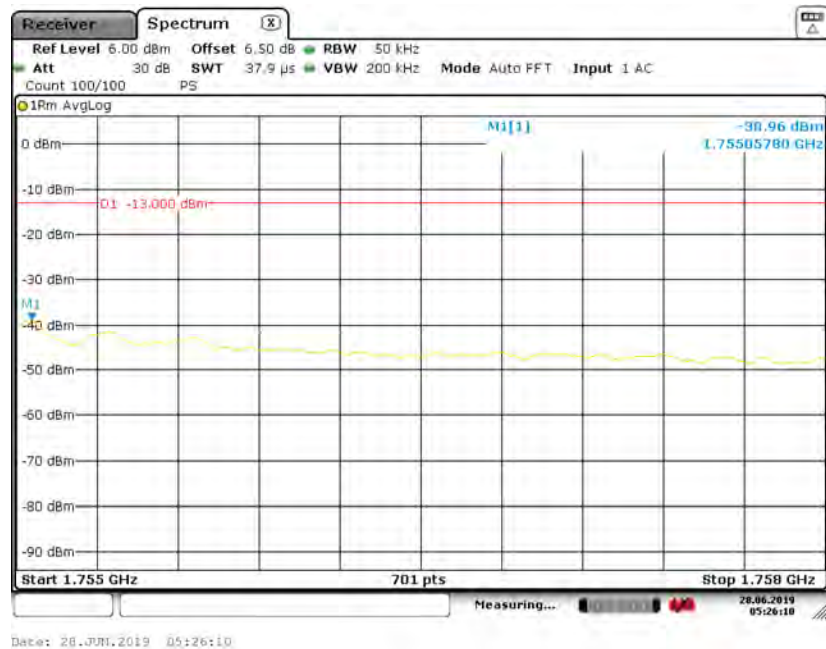
PCS Band, Left Band Edge for GSM-Pre AGC**PCS Band, Right Band Edge for GSM-Pre AGC**

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

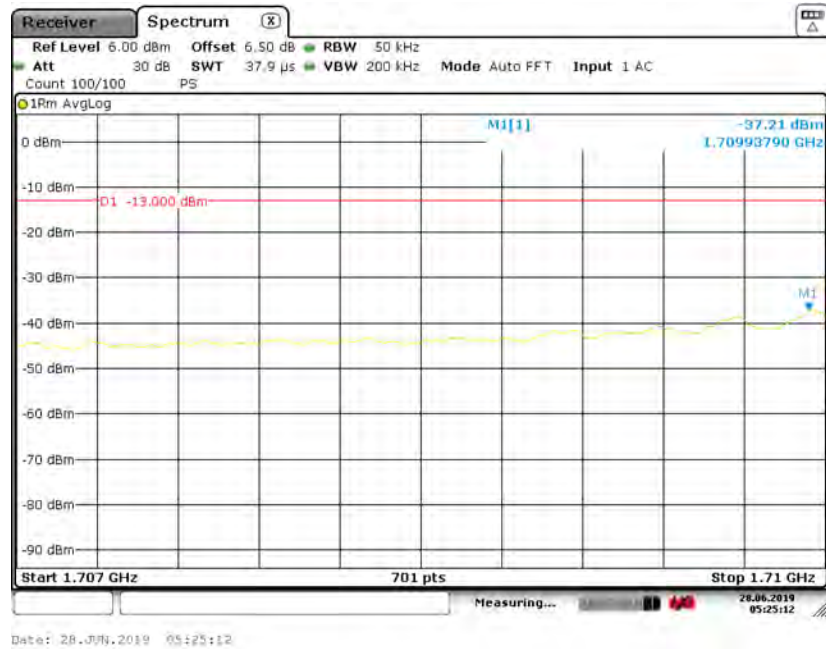
AWS Band, Left Band Edge for AWGN-Pre AGC



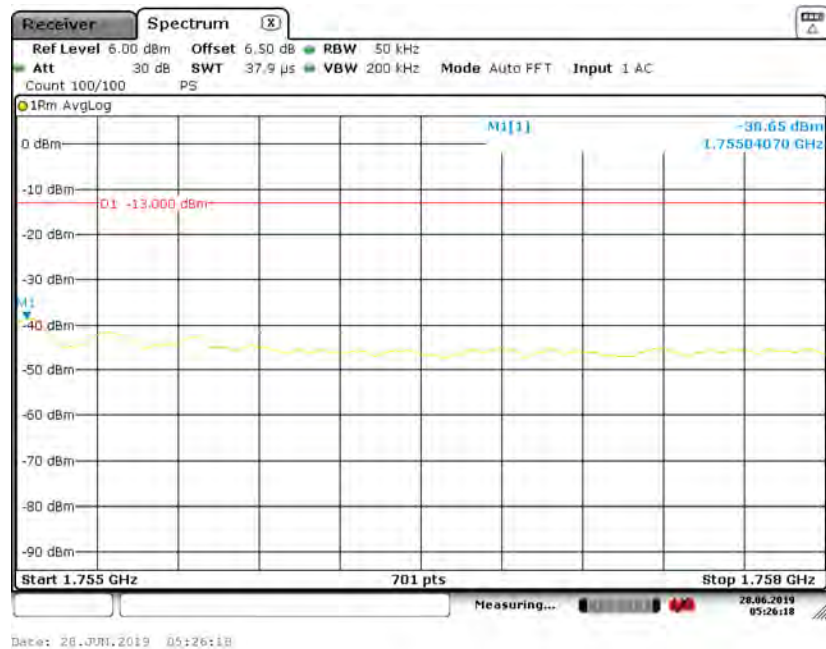
AWS Band, Right Band Edge for AWGN-Pre AGC



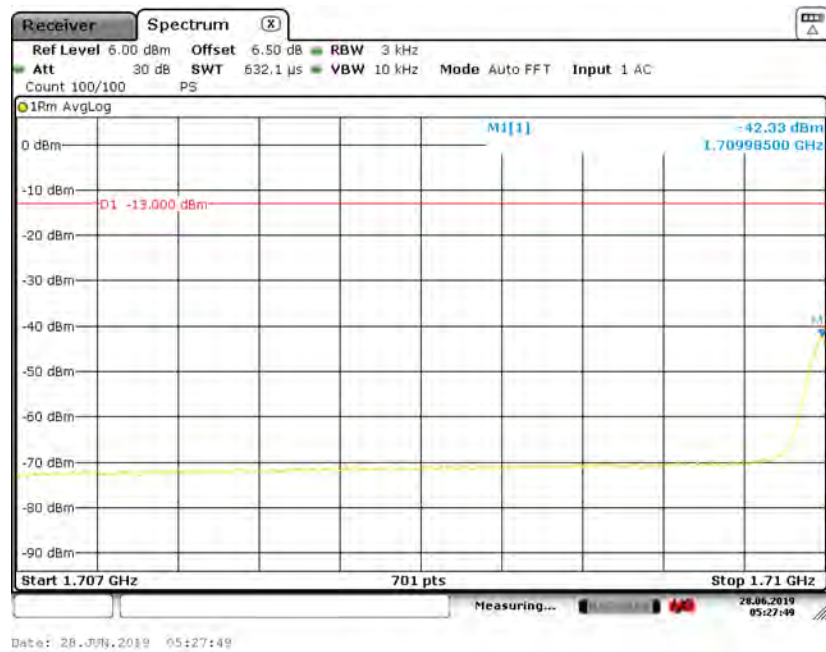
AWS Band, Left Band Edge for AWGN-3dB Above AGC



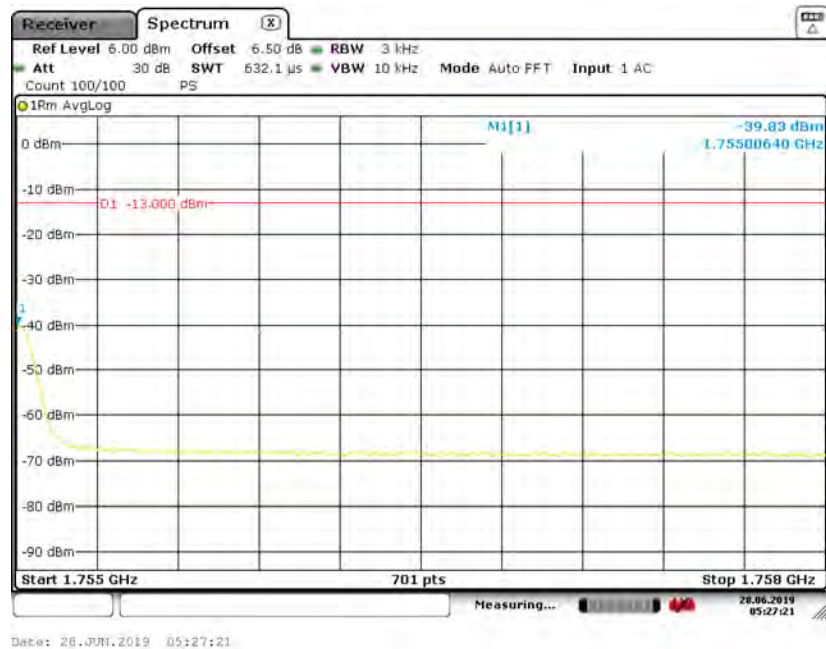
AWS Band, Right Band Edge for AWGN-3dB Above AGC



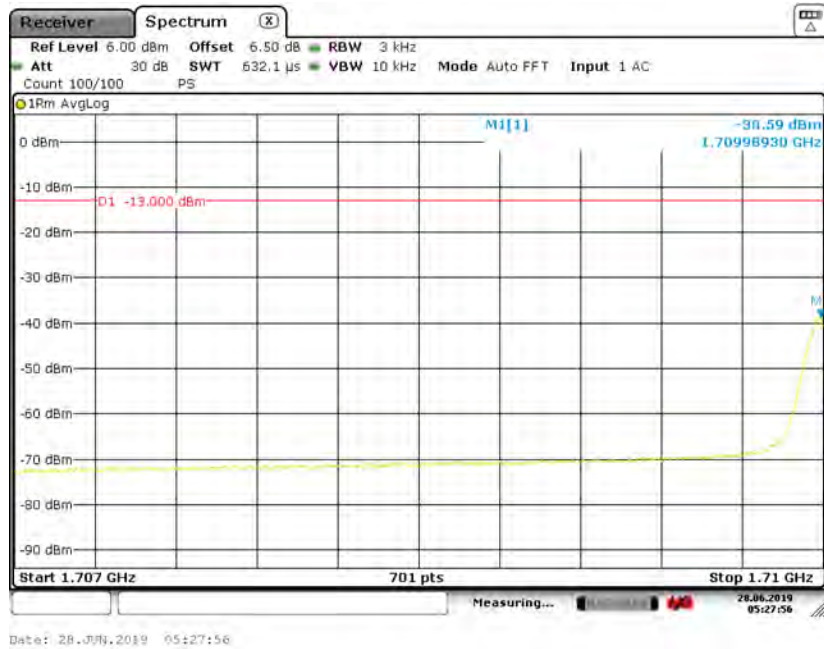
AWS Band, Left Band Edge for GSM-Pre AGC



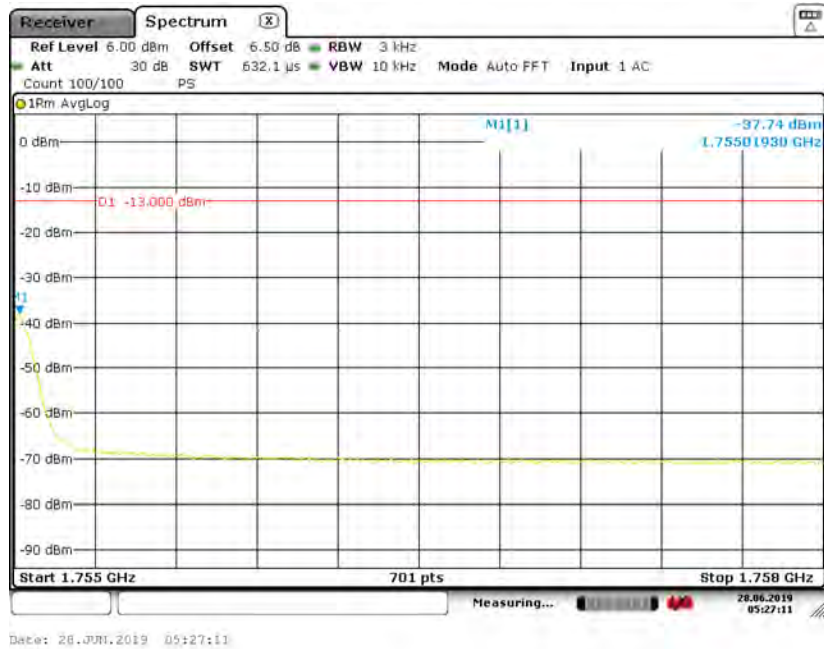
AWS Band, Right Band Edge for GSM-Pre AGC

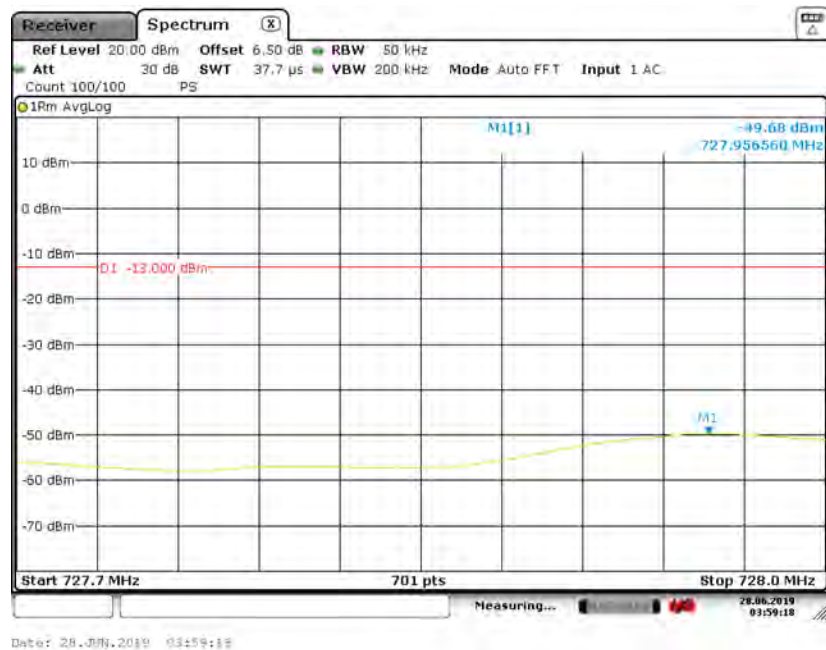
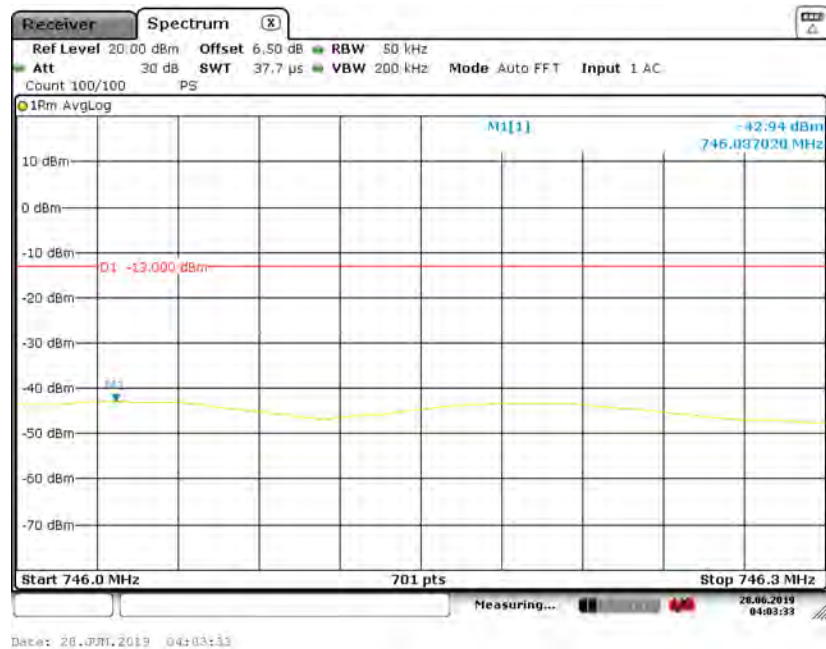


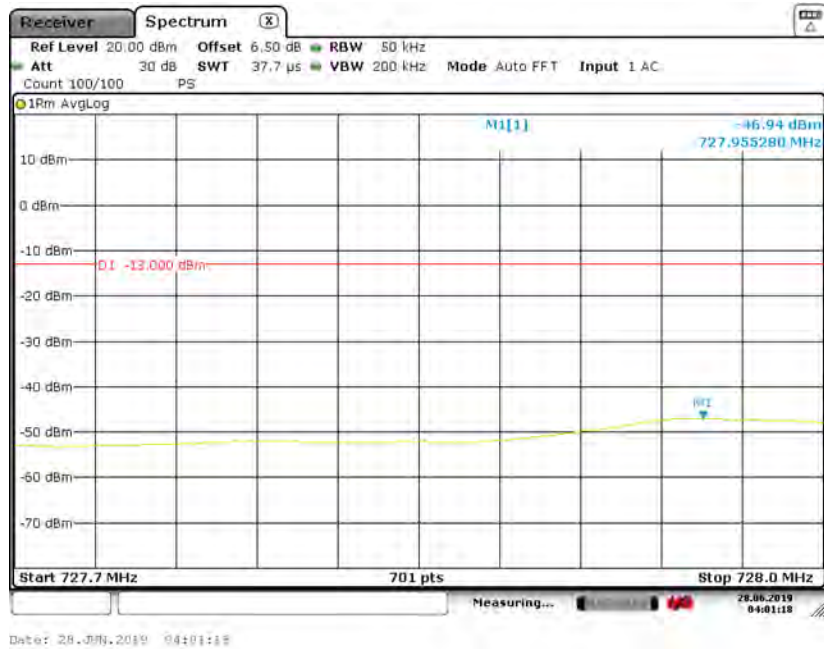
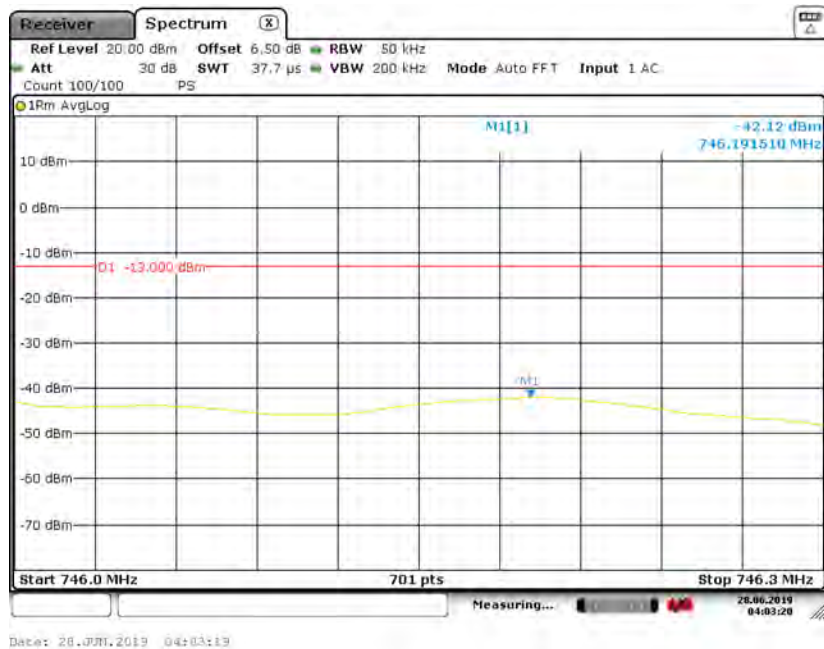
AWS Band, Left Band Edge for GSM-3dB Above AGC

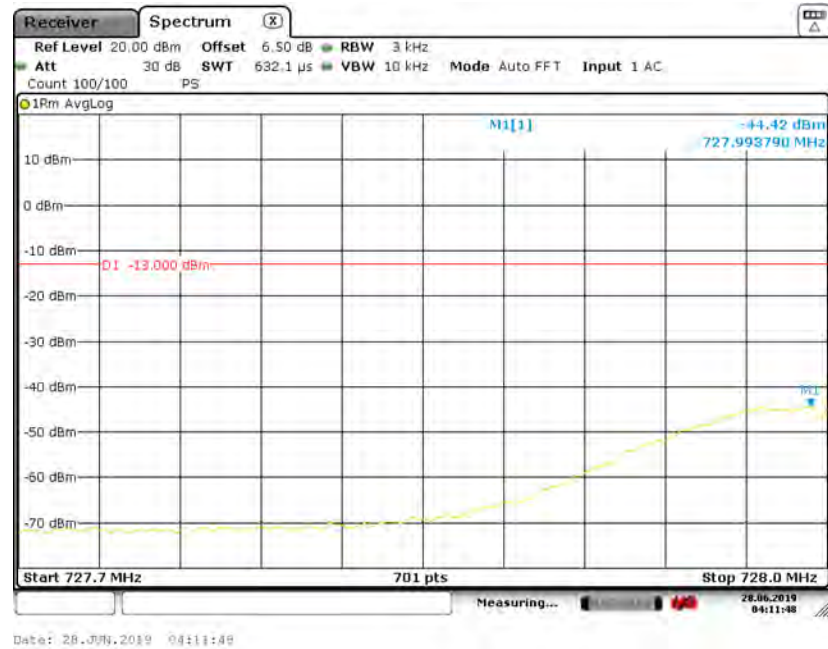
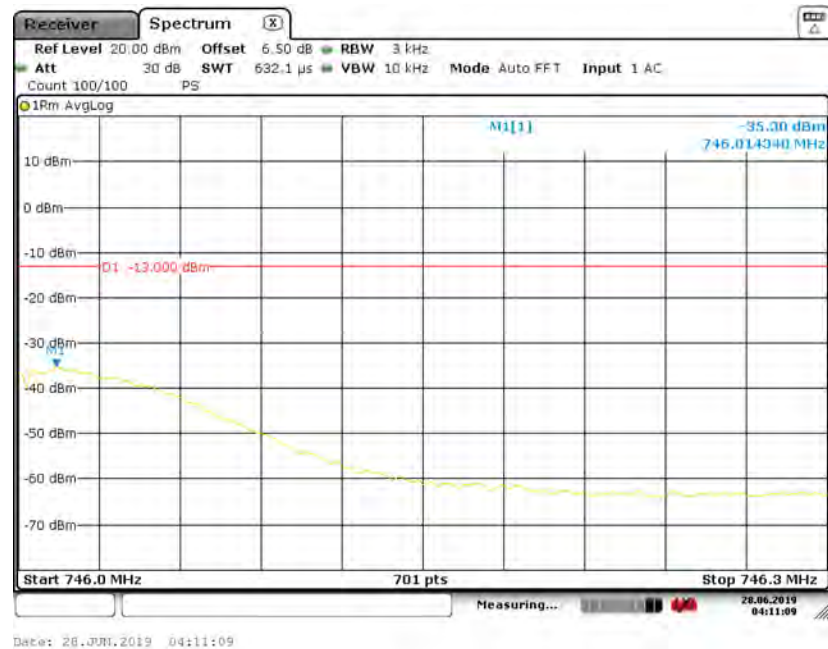


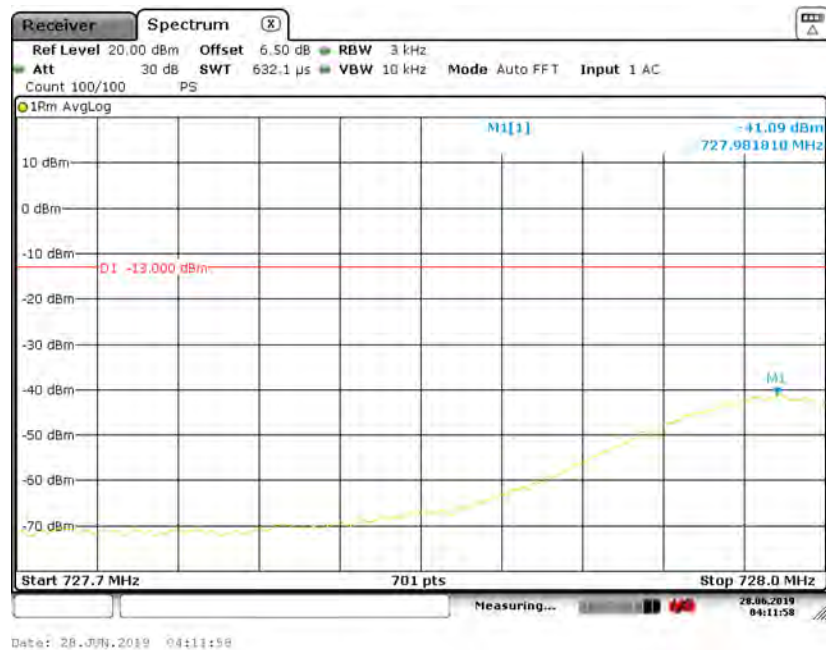
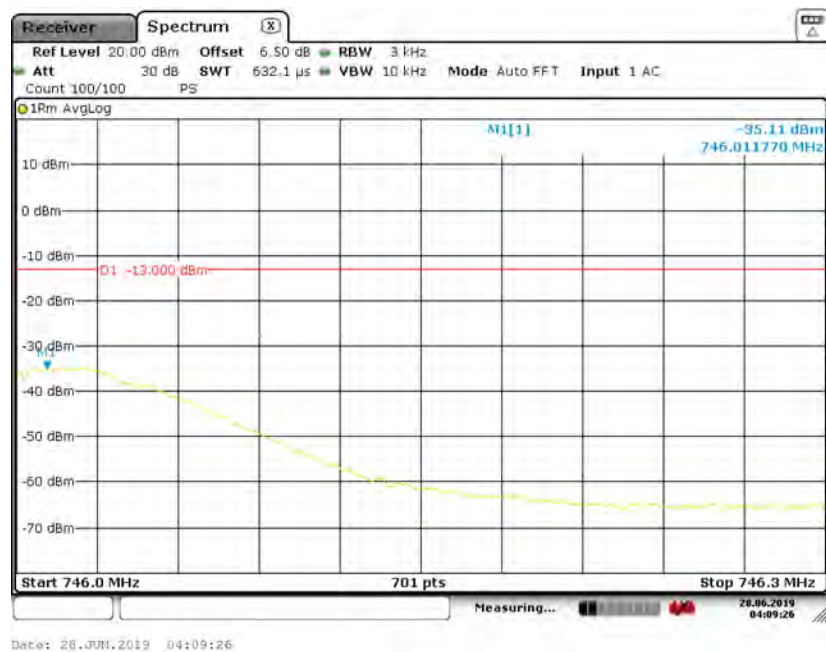
AWS Band, Right Band Edge for GSM-3dB Above AGC



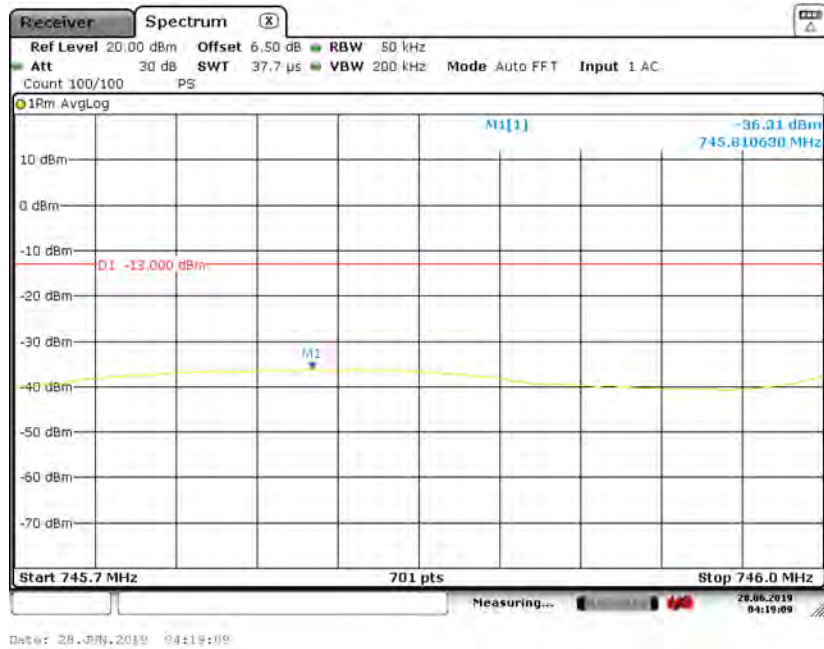
Downlink:**Lower 700MHz (A+B+C Block) Band, Left Band Edge for AWGN-Pre AGC****Lower 700MHz (A+B+C Block) Band, Right Band Edge for AWGN-Pre AGC**

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

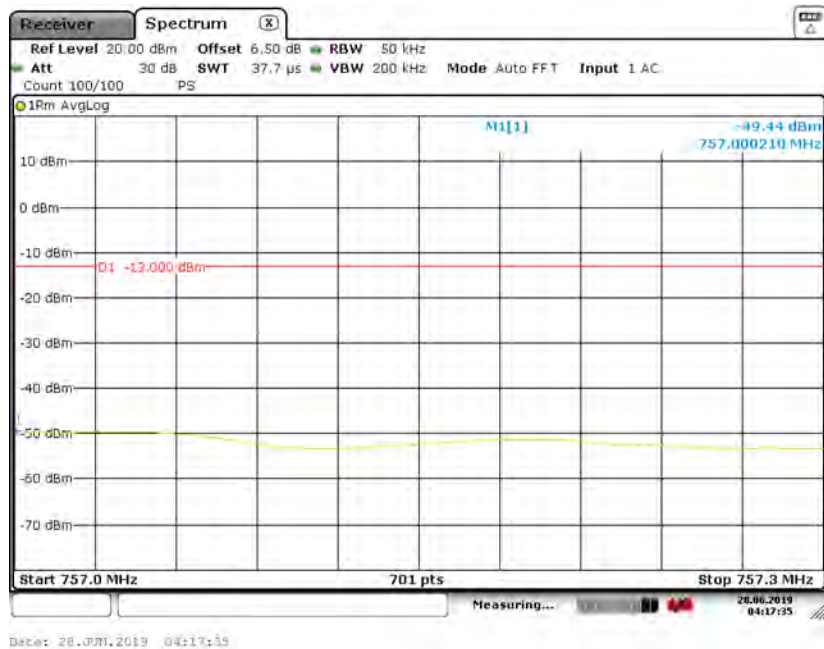
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-Pre AGC**Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-Pre AGC**

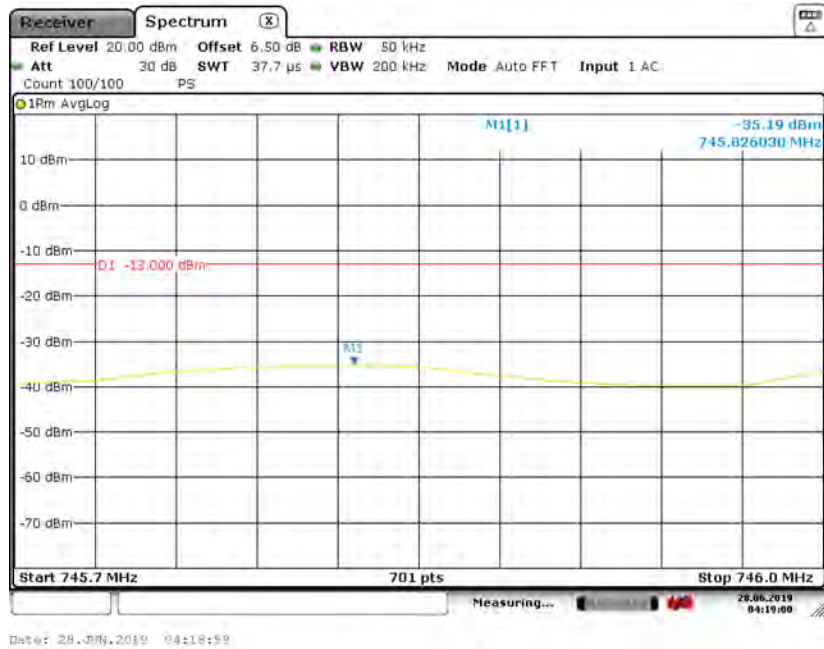
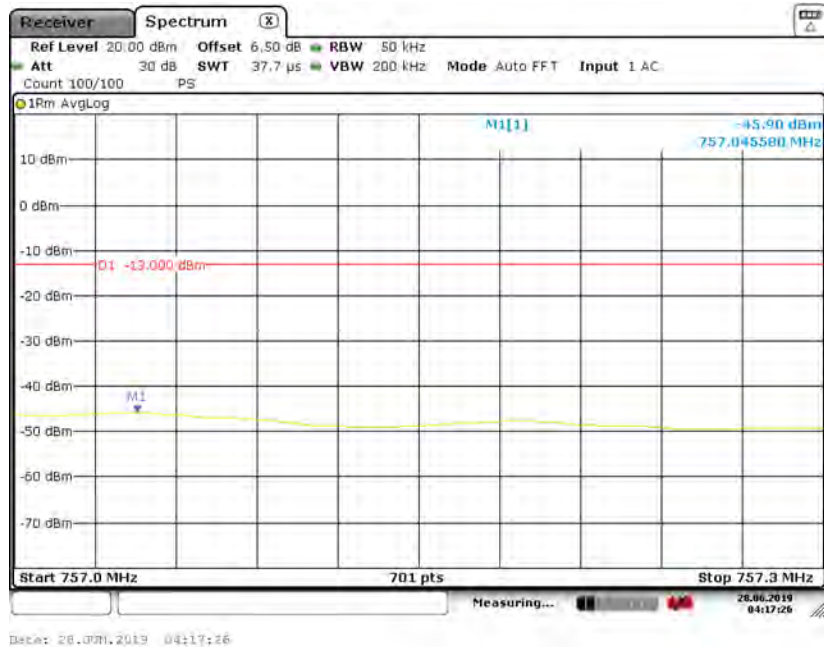
Lower 700MHz (A+B+C Block) Band, Left Band Edge for GSM-3dB Above AGC**Lower 700MHz (A+B+C Block) Band, Right Band Edge for GSM-3dB Above AGC**

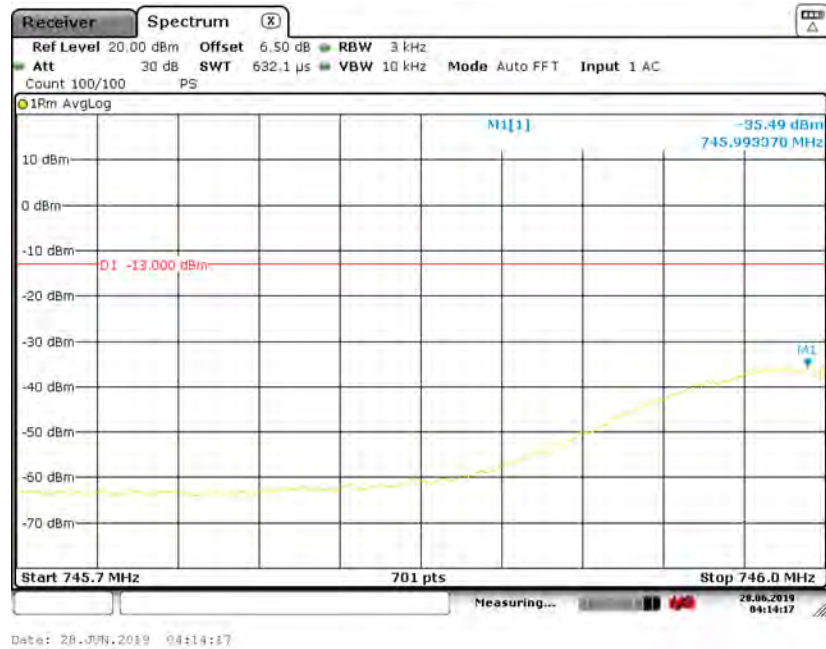
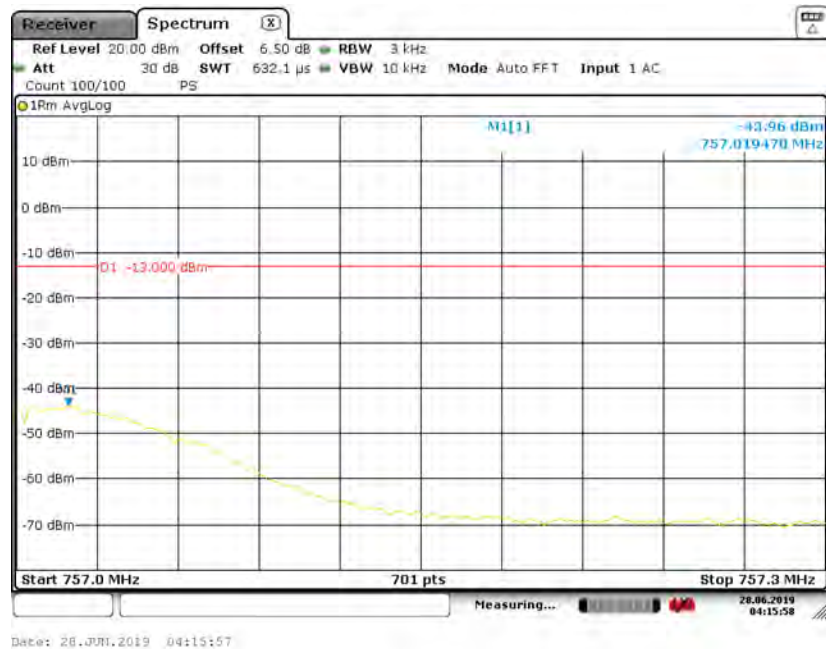
Upper 700MHz (C Block) Band, Left Band Edge for AWGN-Pre AGC

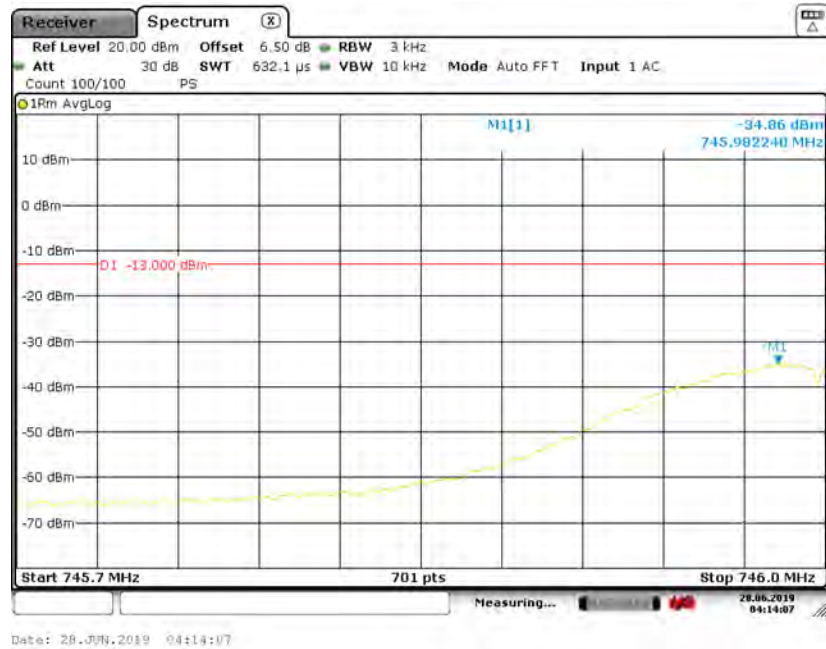
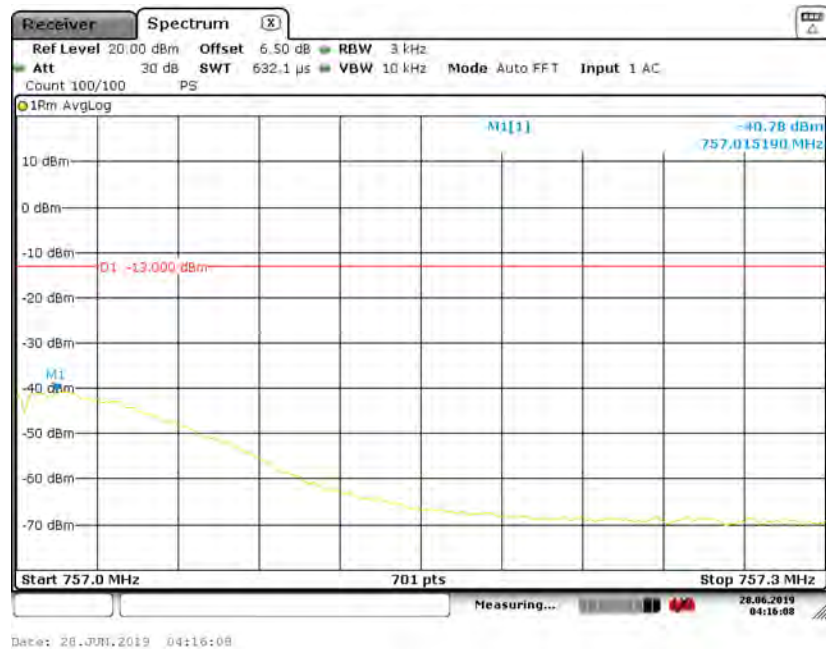


Upper 700MHz (C Block) Band, Right Band Edge for AWGN-Pre AGC

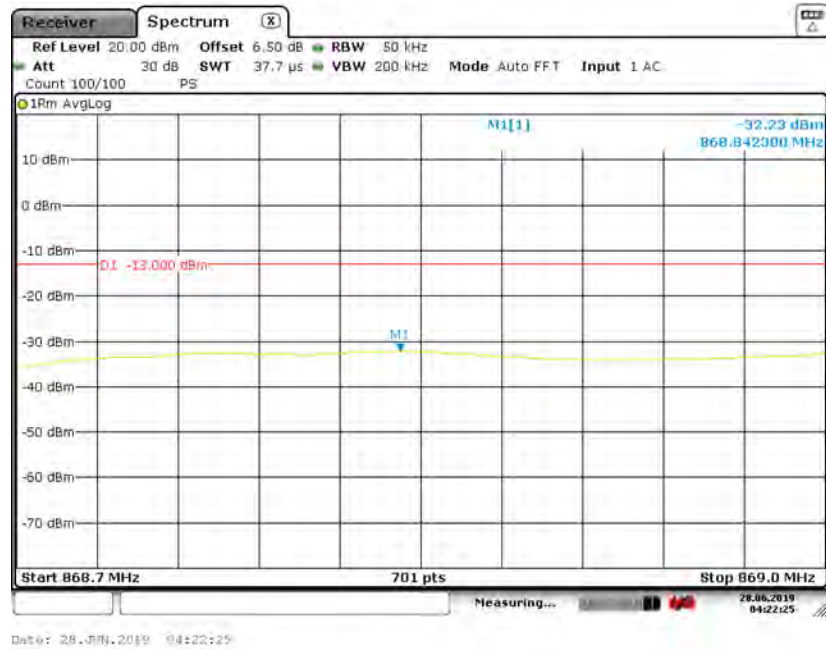


Upper 700MHz (C Block) Band, Left Band Edge for AWGN-3dB Above AGC**Upper 700MHz (C Block) Band, Right Band Edge for AWGN-3dB Above AGC**

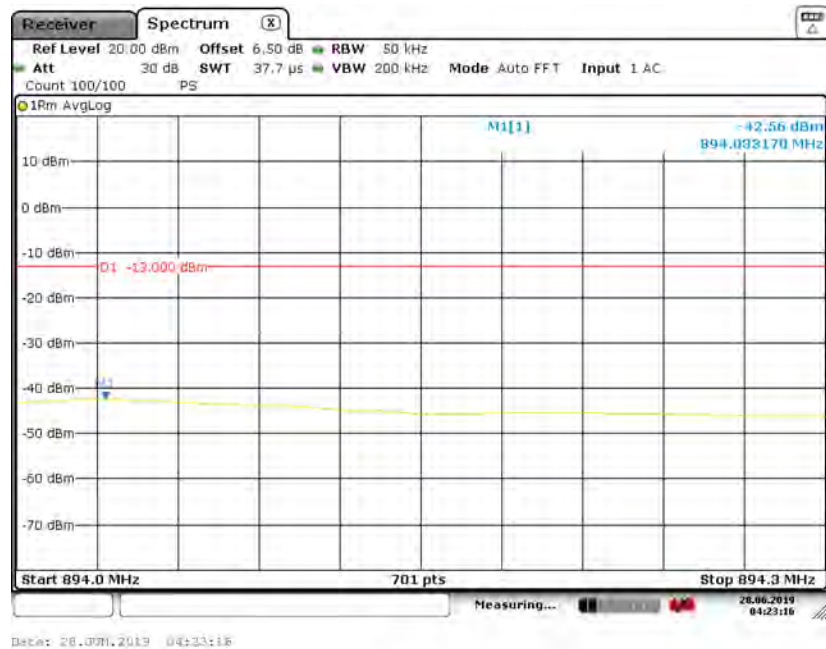
Upper 700MHz (C Block) Band, Left Band Edge for GSM-Pre AGC**Upper 700MHz (C Block) Band, Right Band Edge for GSM-Pre AGC**

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

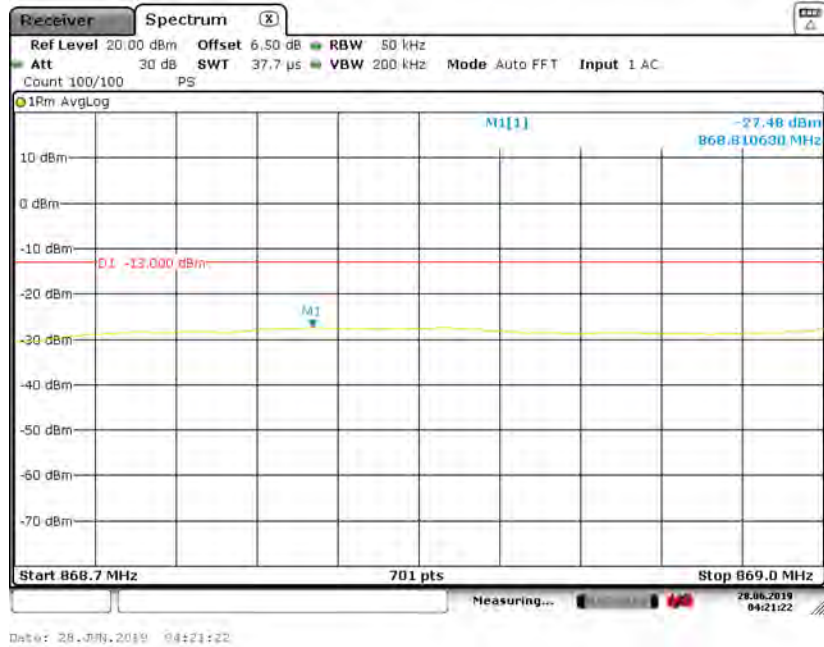
Cellular Band, Left Band Edge for AWGN-Pre AGC



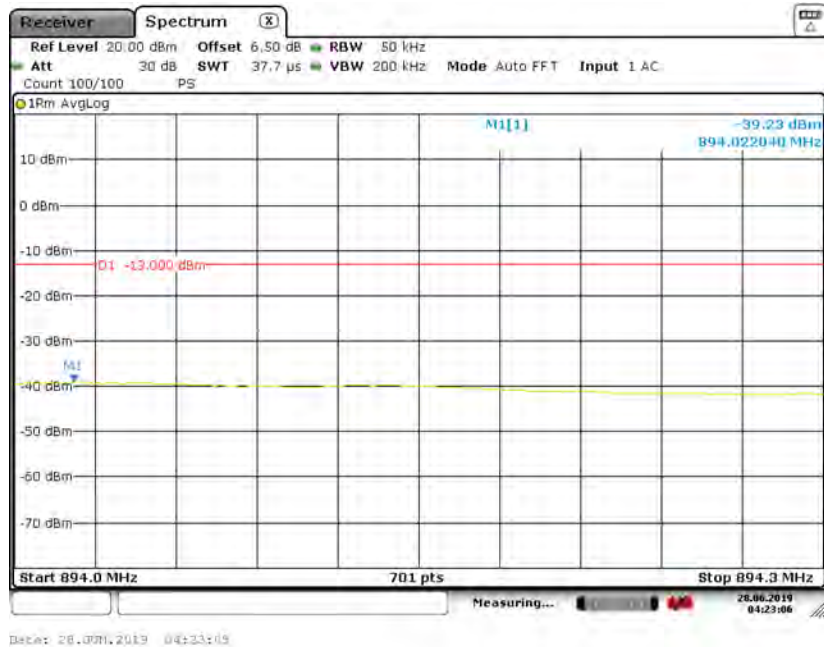
Cellular Band, Right Band Edge for AWGN-Pre AGC

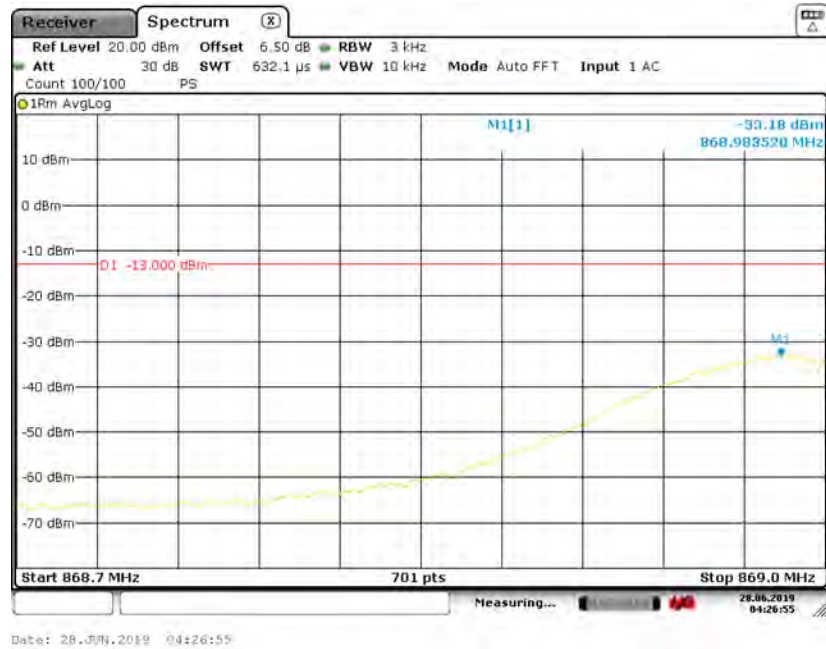
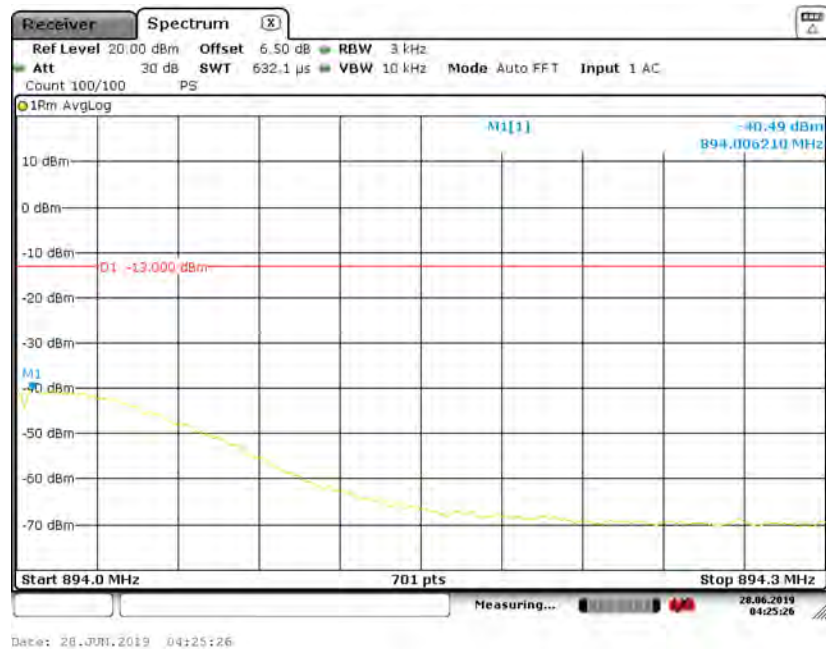


Cellular Band, Left Band Edge for AWGN-3dB Above AGC

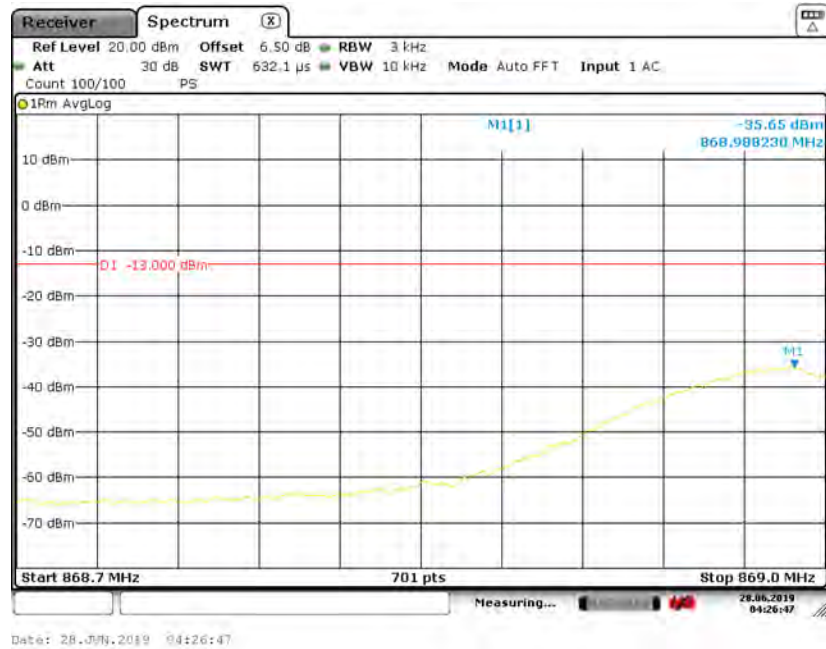


Cellular Band, Right Band Edge for AWGN-3dB Above AGC

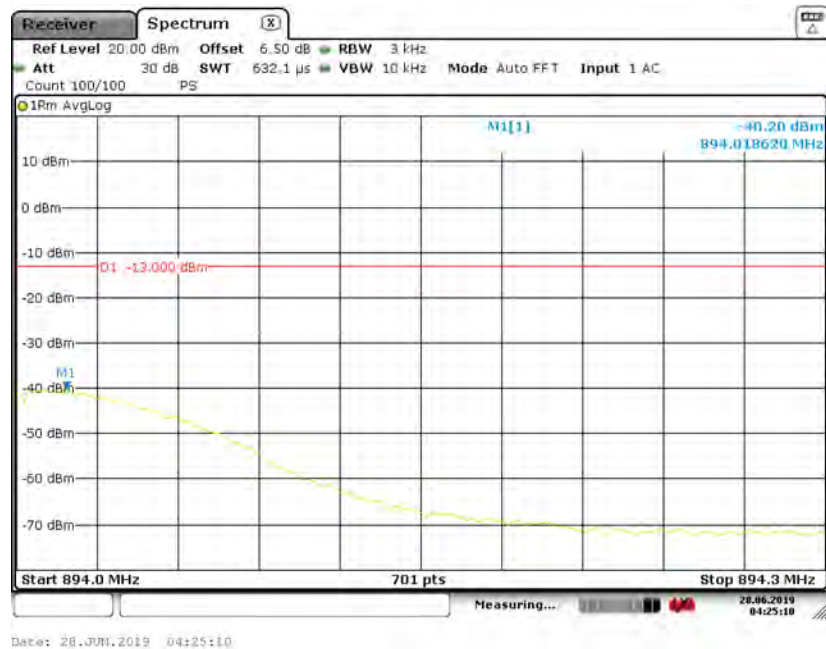


Cellular Band, Left Band Edge for GSM-Pre AGC**Cellular Band, Right Band Edge for GSM-Pre AGC**

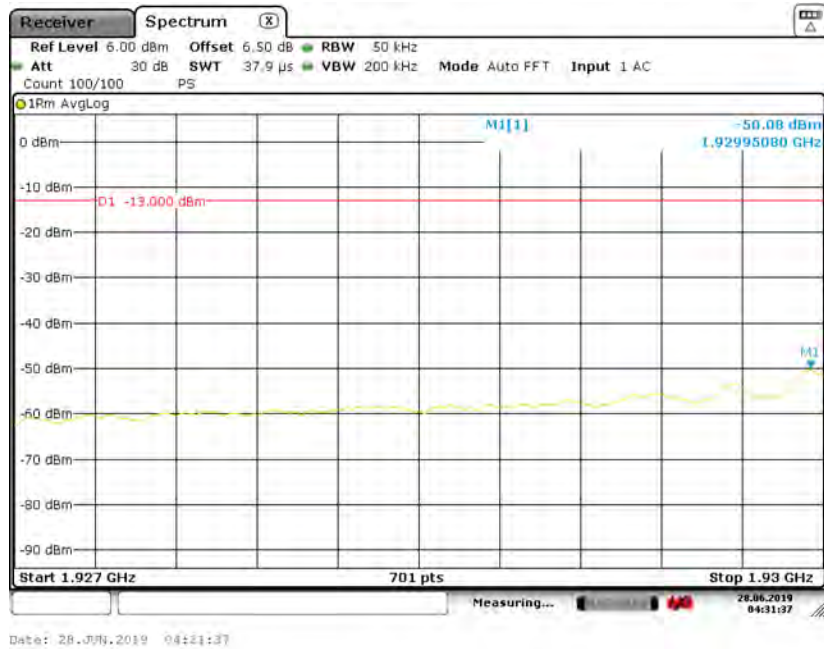
Cellular Band, Left Band Edge for GSM-3dB Above AGC



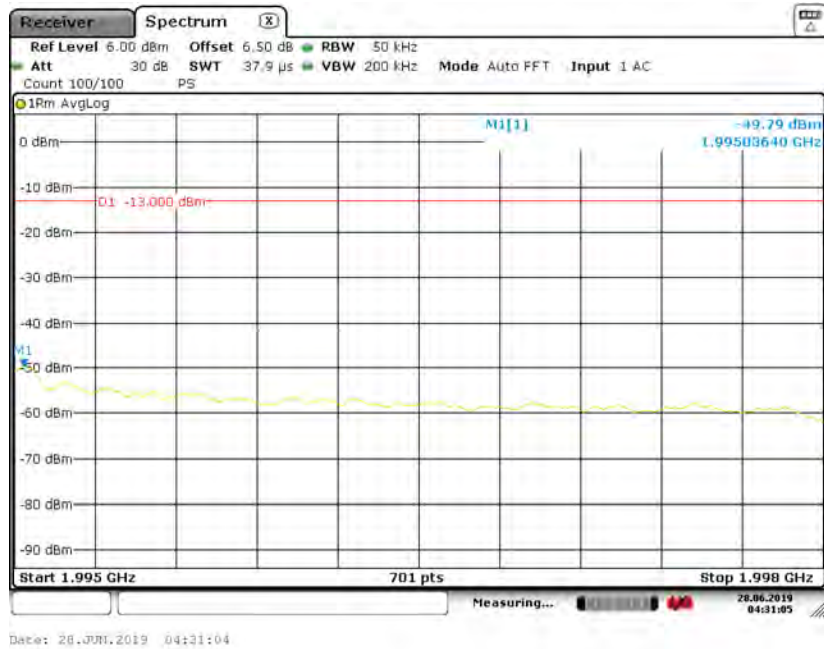
Cellular Band, Right Band Edge for GSM-3dB Above AGC



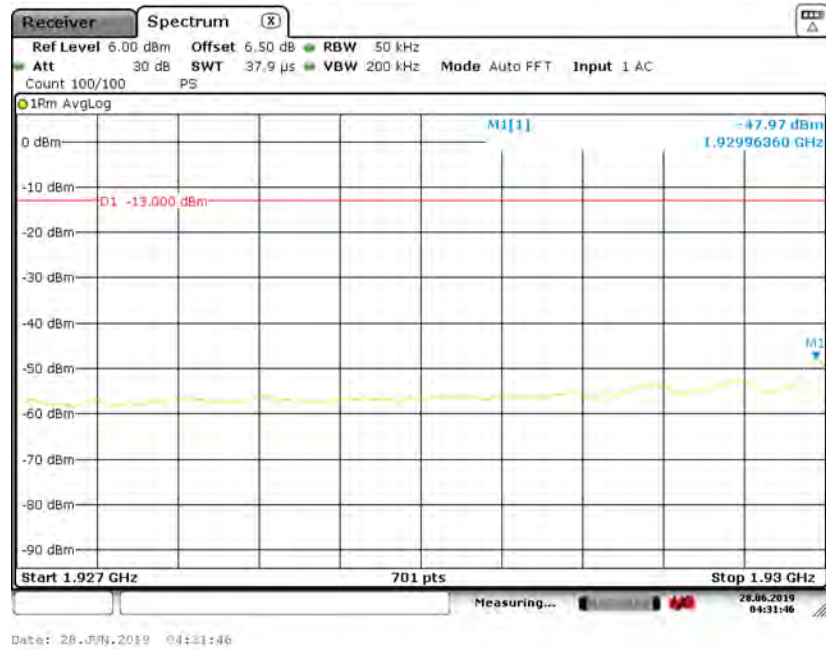
PCS Band, Left Band Edge for AWGN-Pre AGC



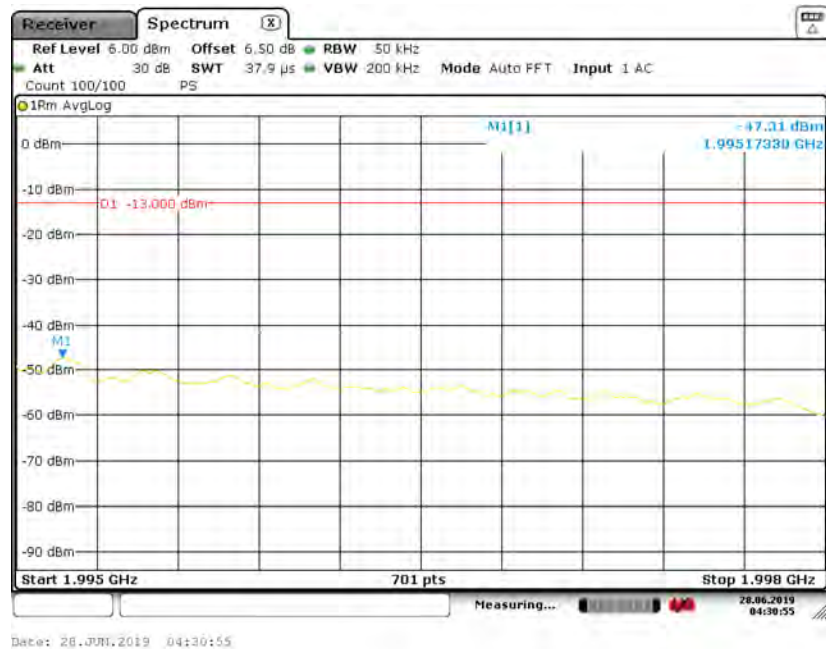
PCS Band, Right Band Edge for AWGN-Pre AGC



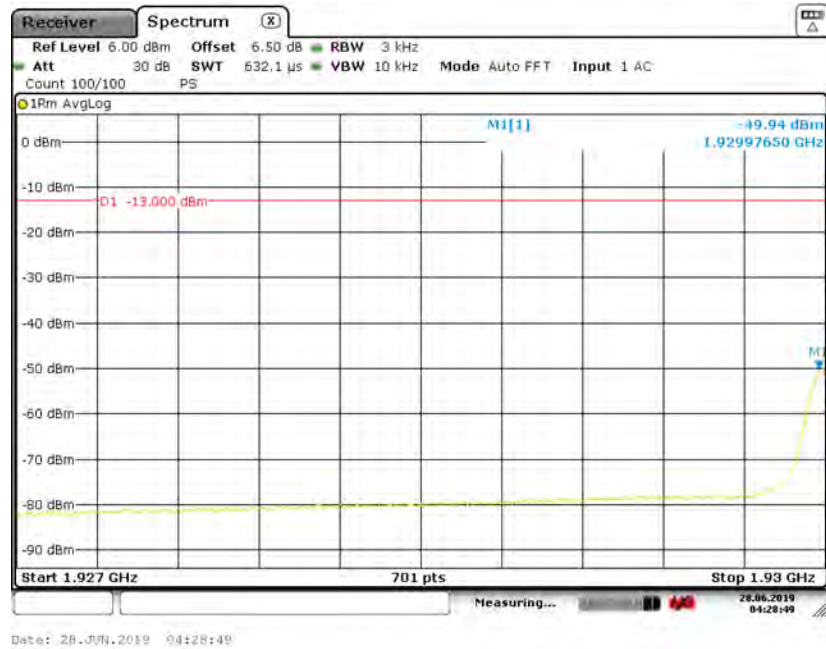
PCS Band, Left Band Edge for AWGN-3dB Above AGC



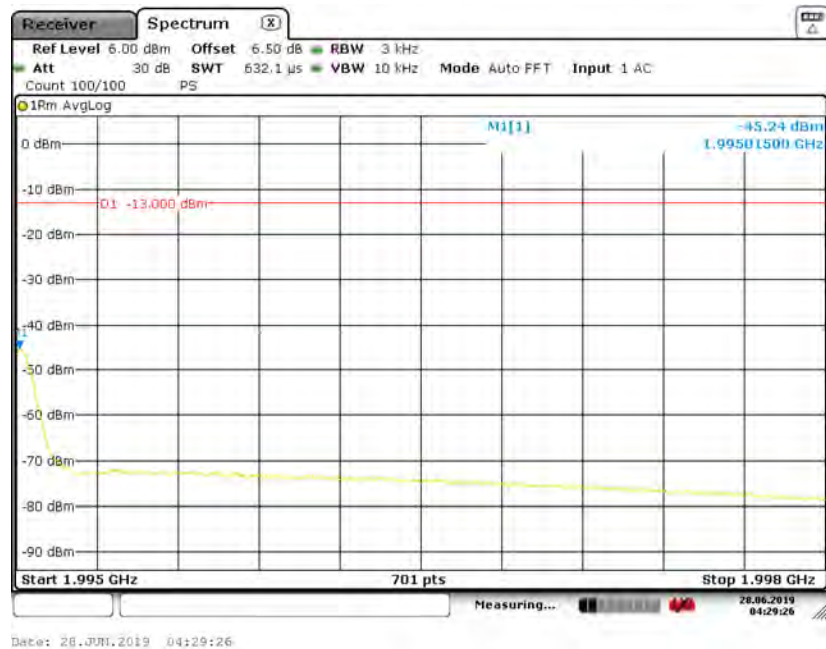
PCS Band, Right Band Edge for AWGN-3dB Above AGC

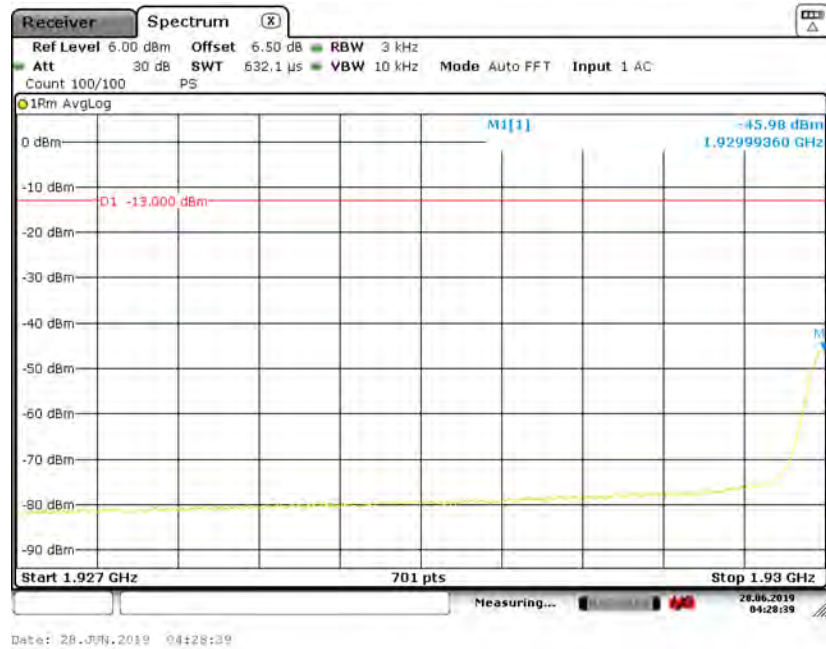
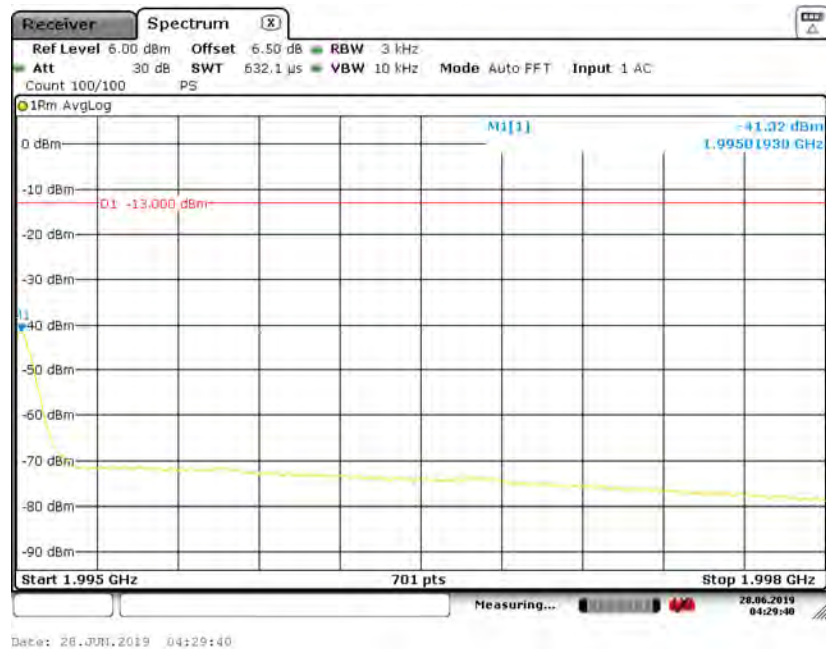


PCS Band, Left Band Edge for GSM-Pre AGC

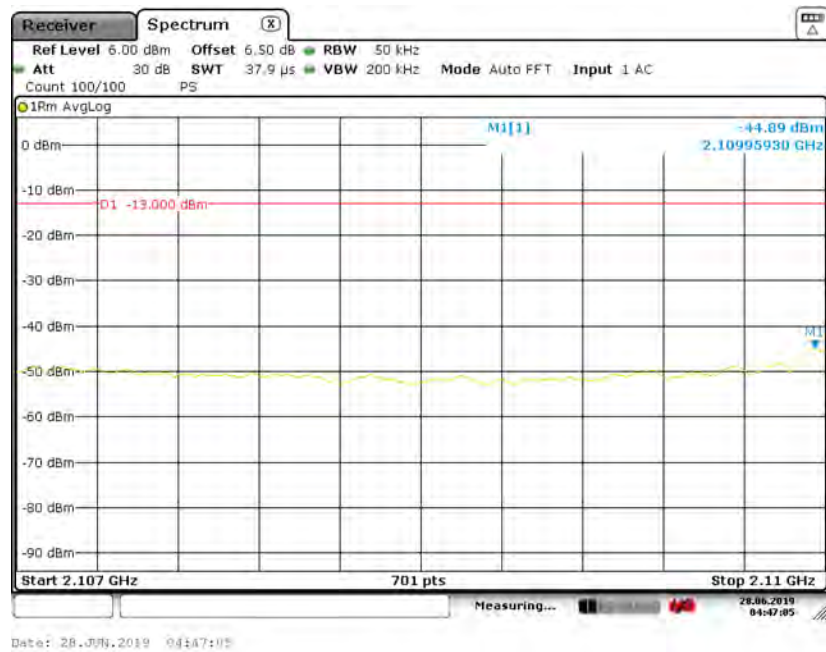


PCS Band, Right Band Edge for GSM-Pre AGC

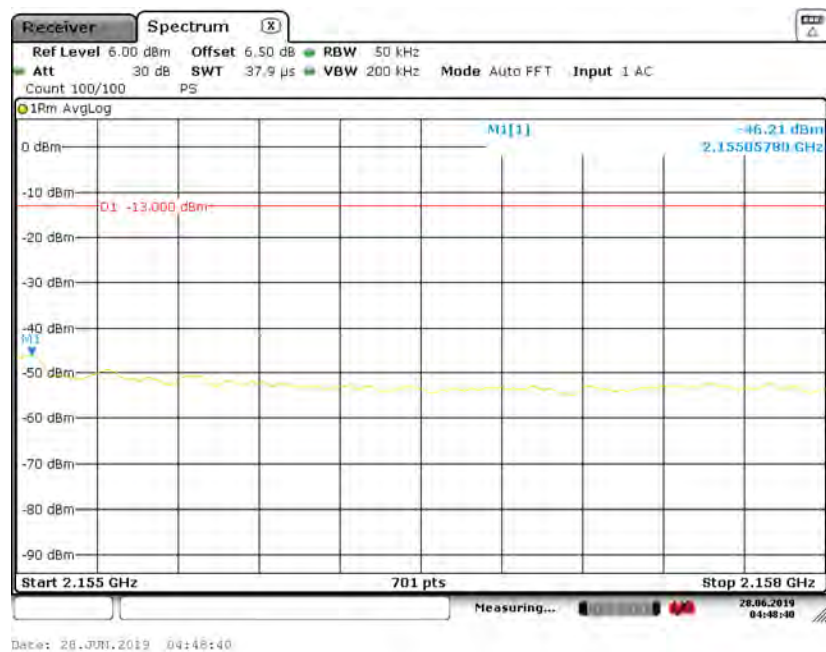


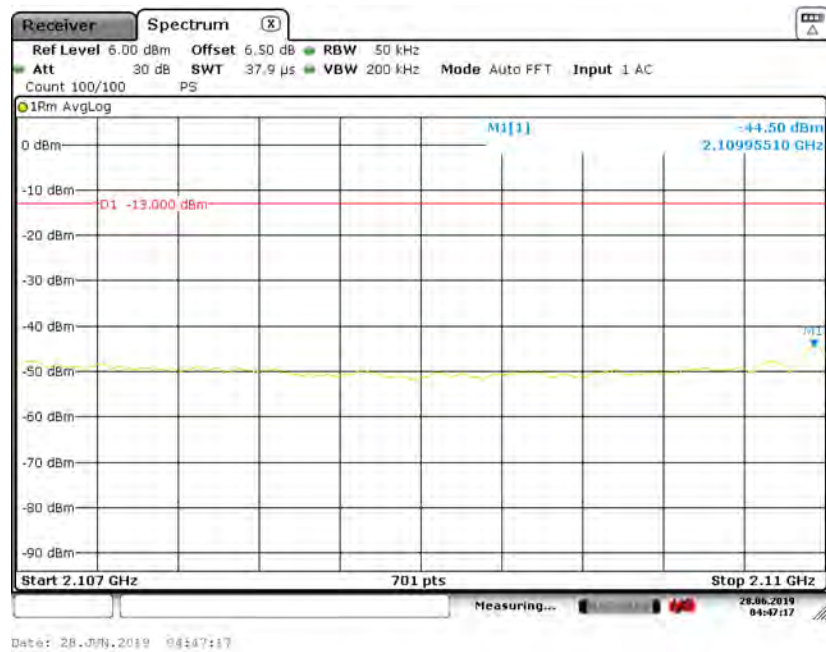
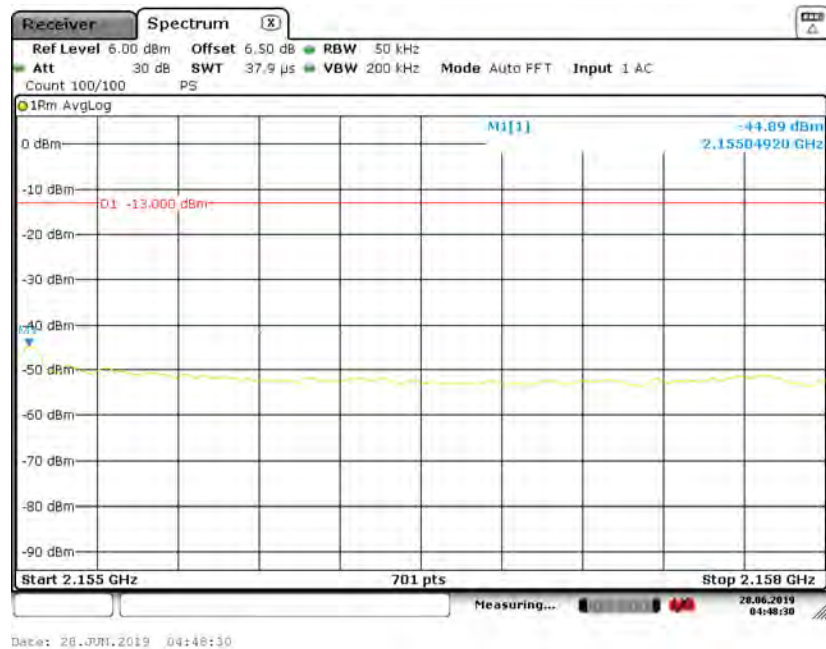
PCS Band, Left Band Edge for GSM-3dB Above AGC**PCS Band, Right Band Edge for GSM-3dB Above AGC**

AWS Band, Left Band Edge for AWGN-Pre AGC

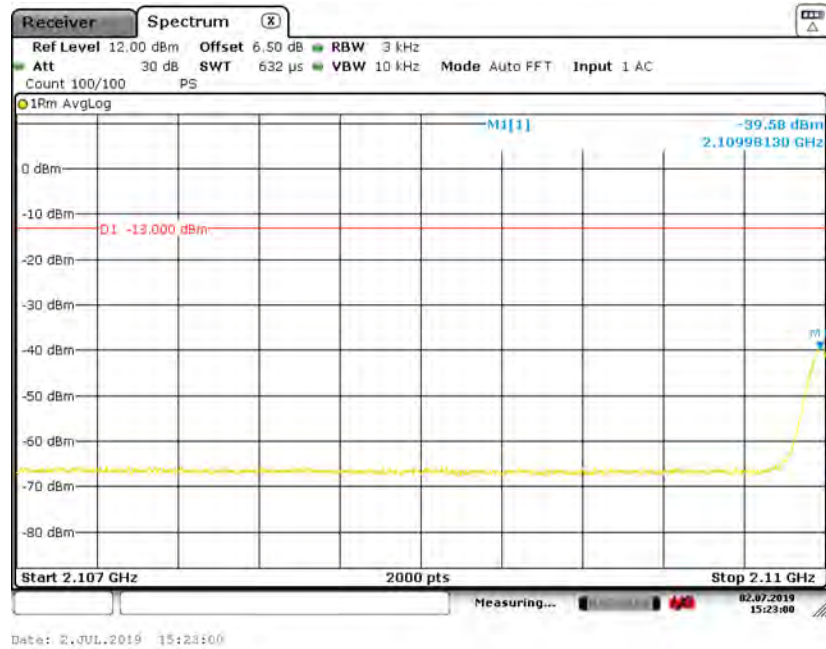


AWS Band, Right Band Edge for AWGN-Pre AGC

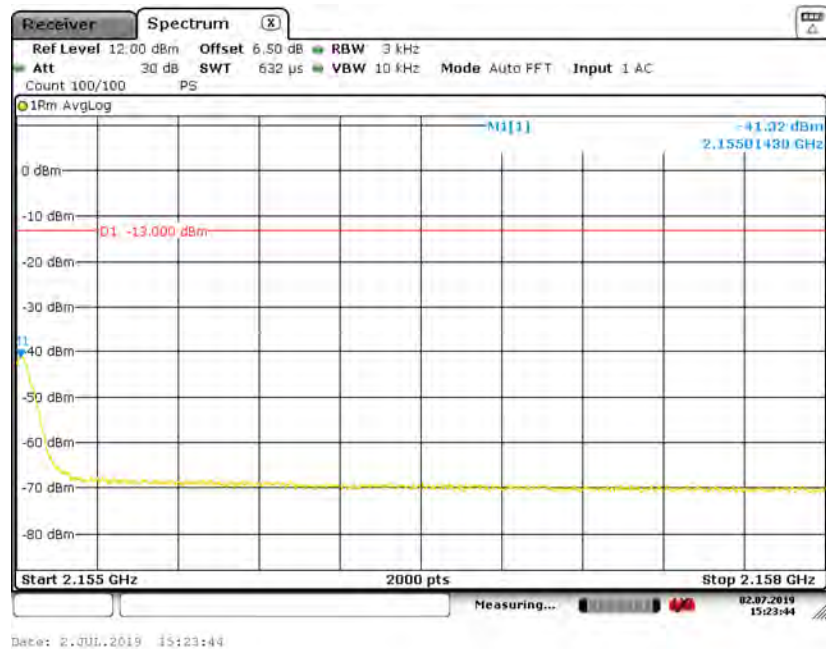


AWS Band, Left Band Edge for AWGN-3dB Above AGC**AWS Band, Right Band Edge for AWGN-3dB Above AGC**

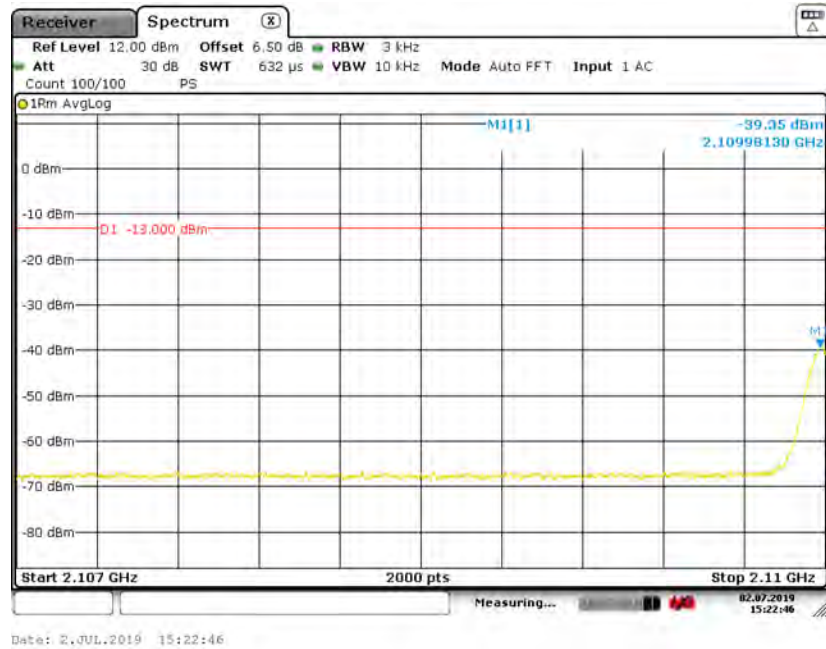
AWS Band, Left Band Edge for GSM-Pre AGC



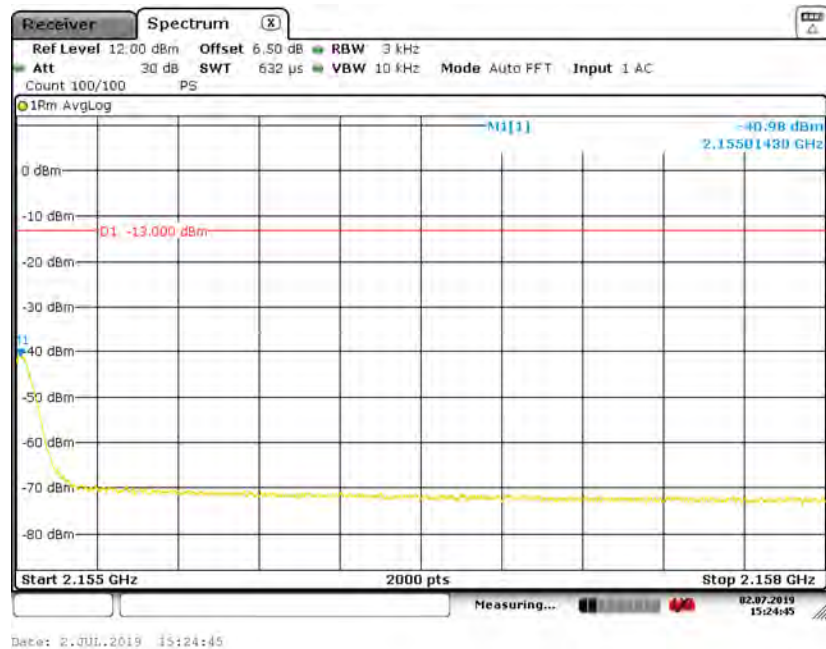
AWS Band, Right Band Edge for GSM-Pre AGC



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



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



FCC § 20.21 - OUT OF BAND REJECTION

Applicable Standards

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 v01r03, 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:	23.2°C
Relative Humidity:	51 %
ATM Pressure:	101.3kPa

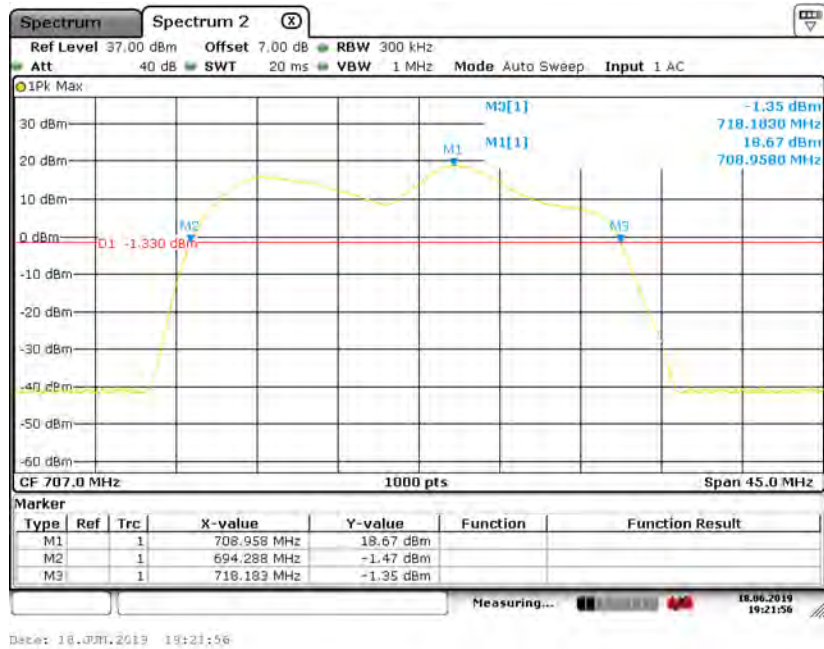
The testing was performed by Carrie He on 2019-06-18.

EUT operation mode: Transmitting

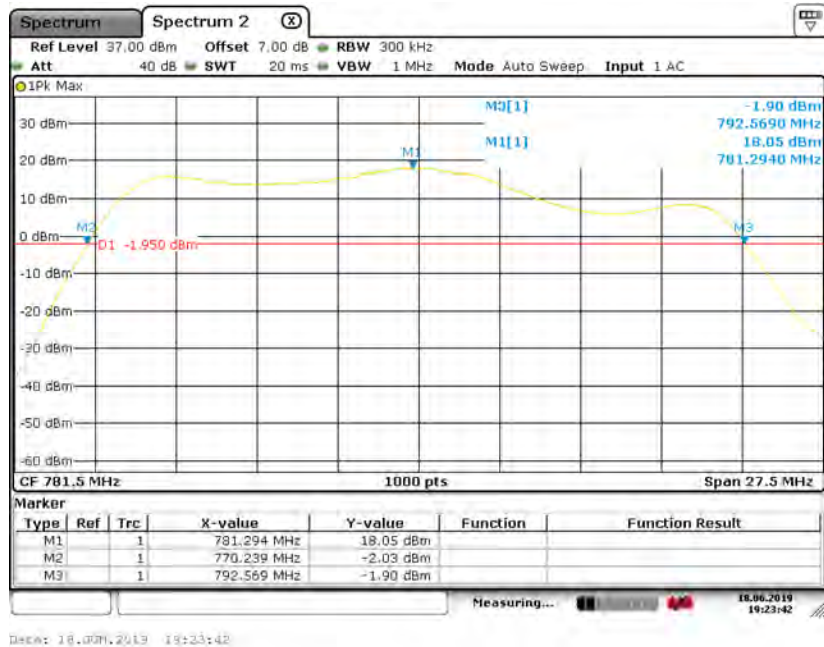
Test Result: Compliant.

Uplink:

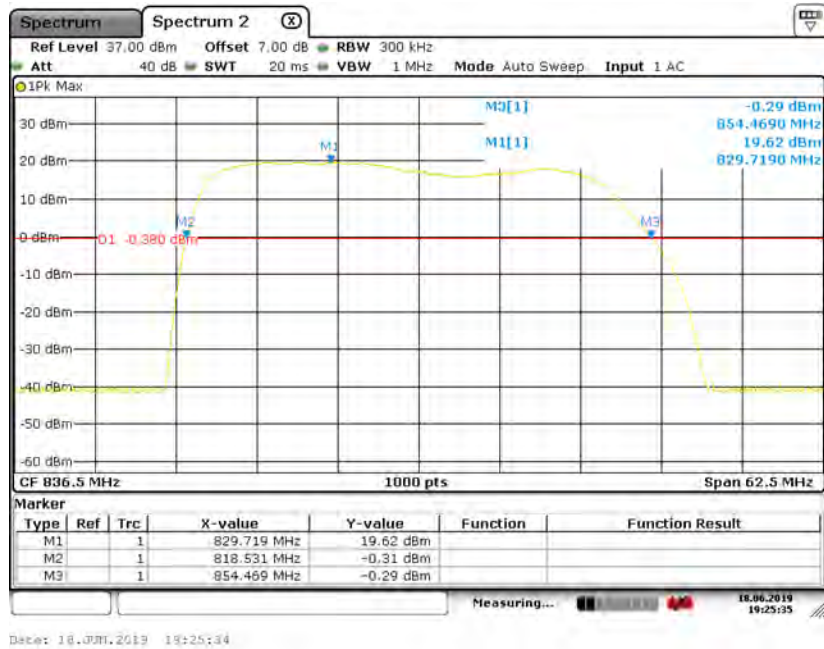
Lower 700MHz (A+B+C Block) Band



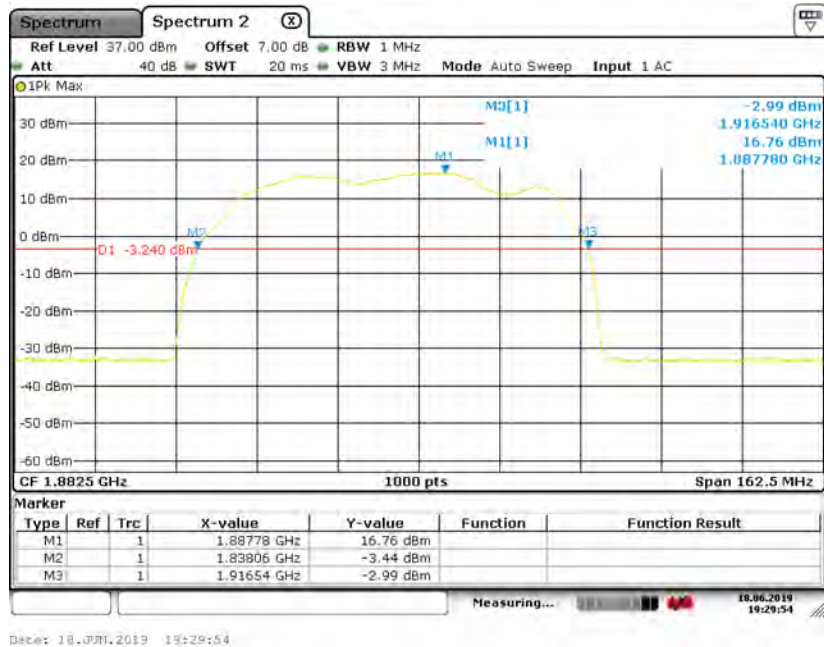
Upper 700MHz (C Block) Band



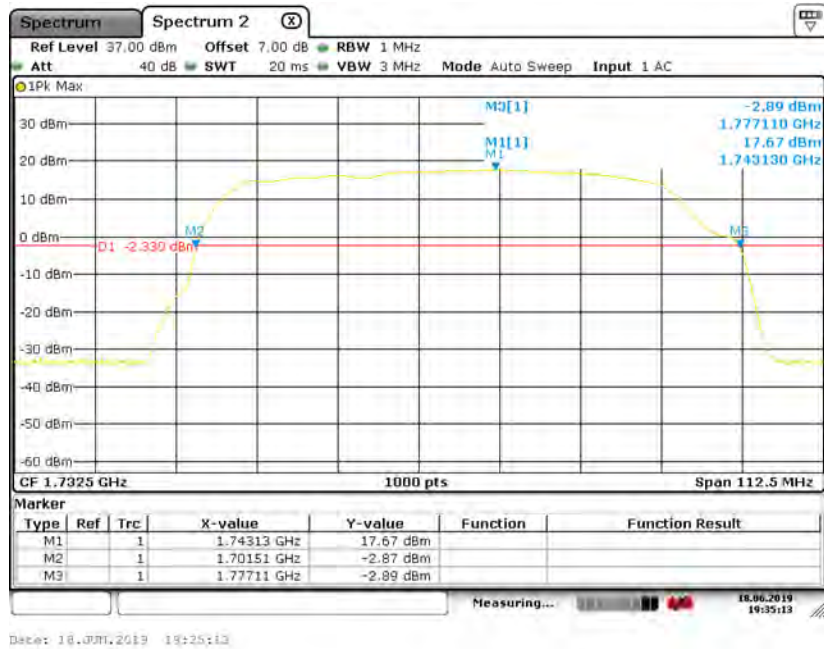
Cellular Band



PCS Band

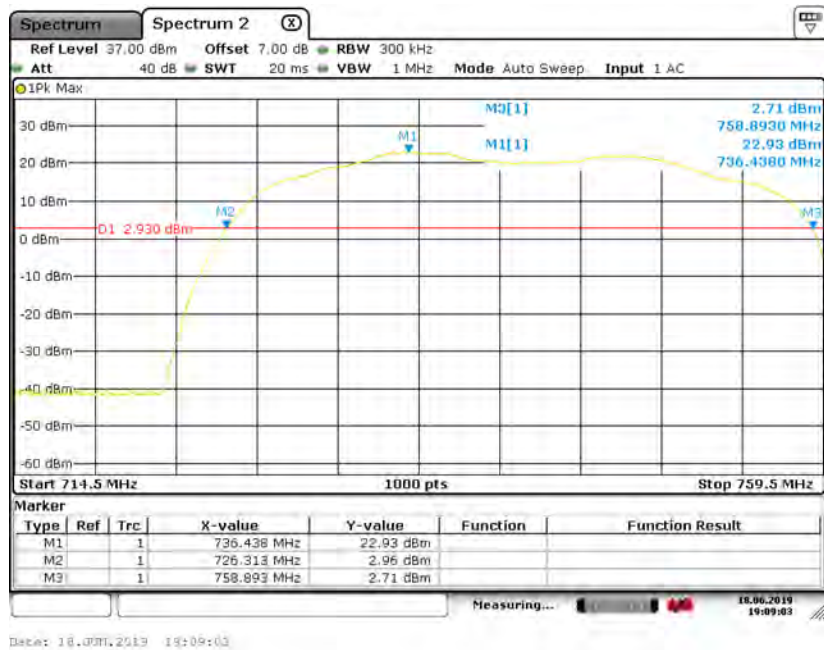


AWS Band

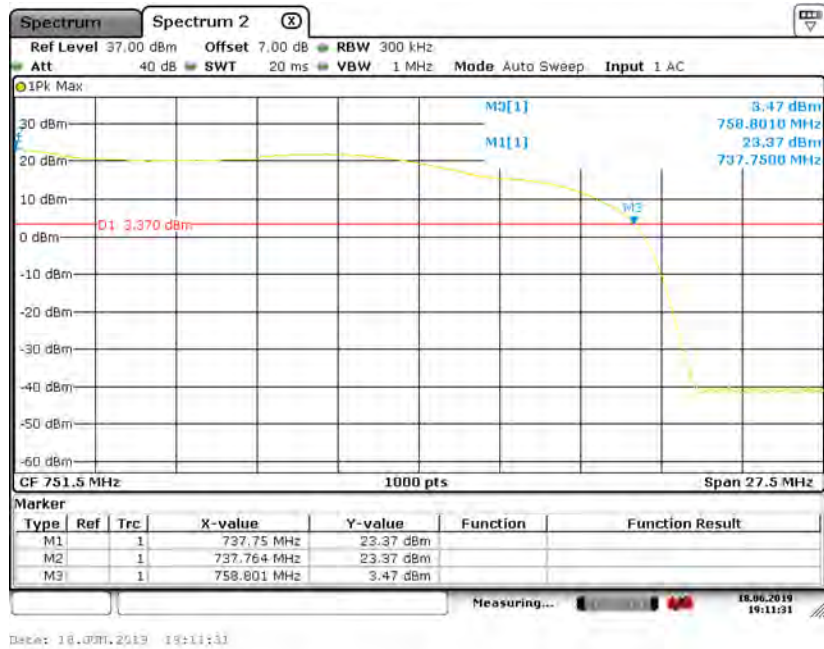


Downlink:

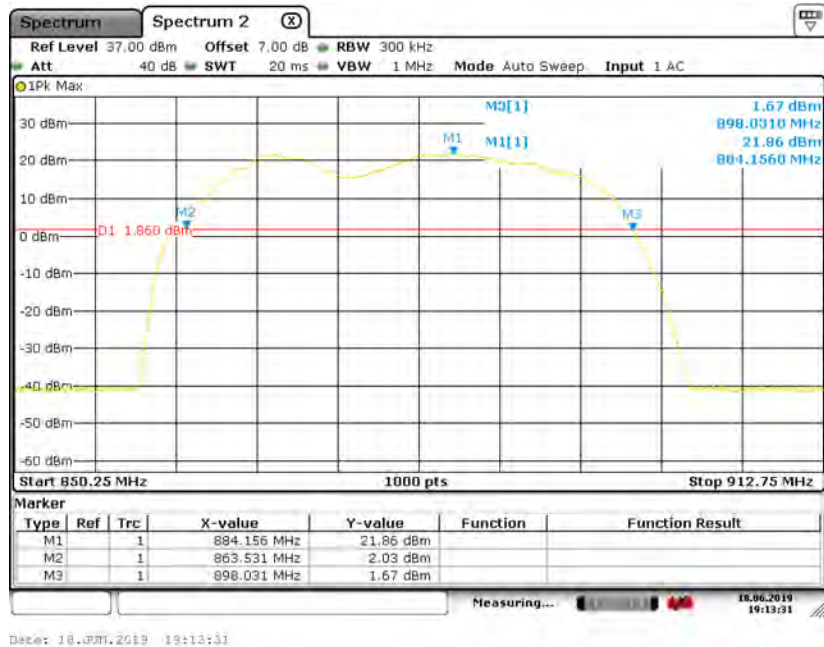
Lower 700MHz (A+B+C Block)



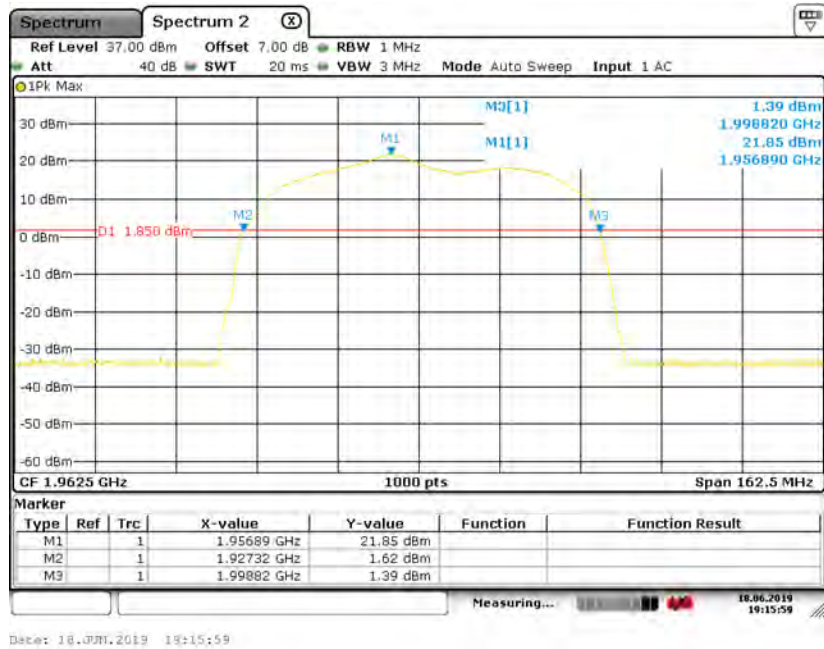
Upper 700MHz (C Block) Band



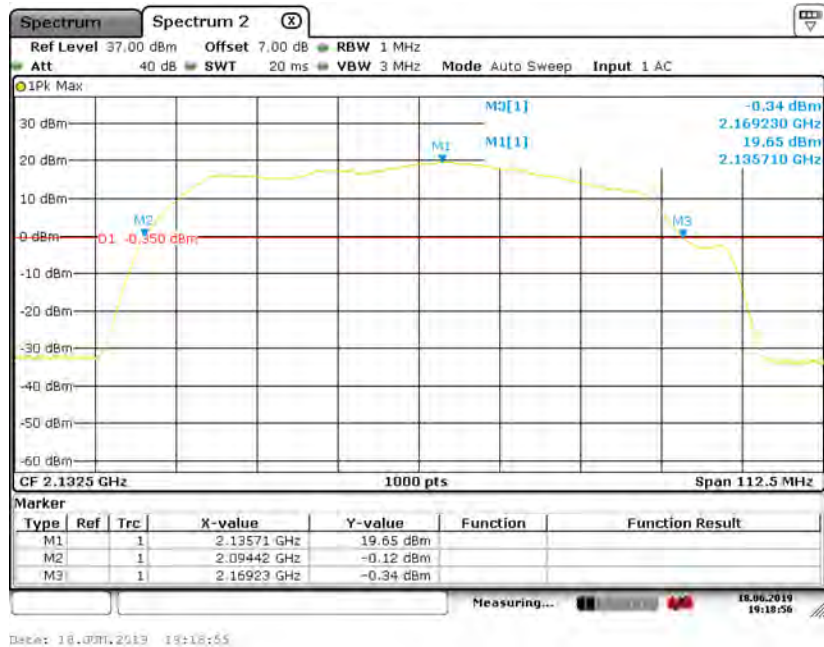
Cellular Band



PCS Band



AWS Band



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