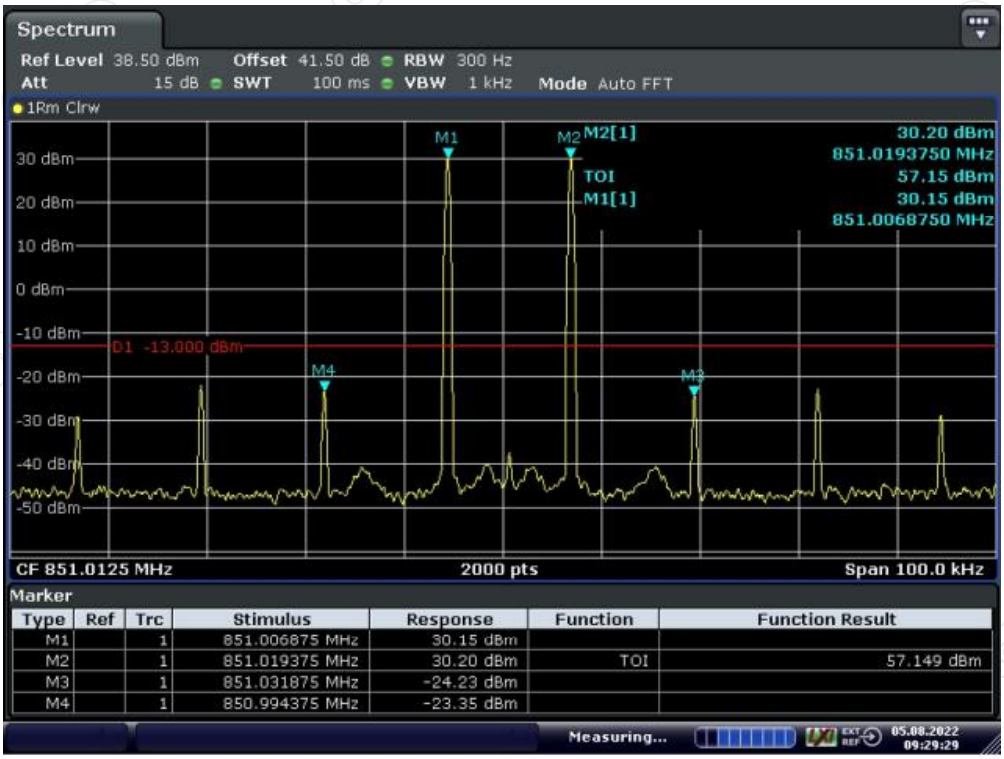
12.18.2.2.800MHz Band

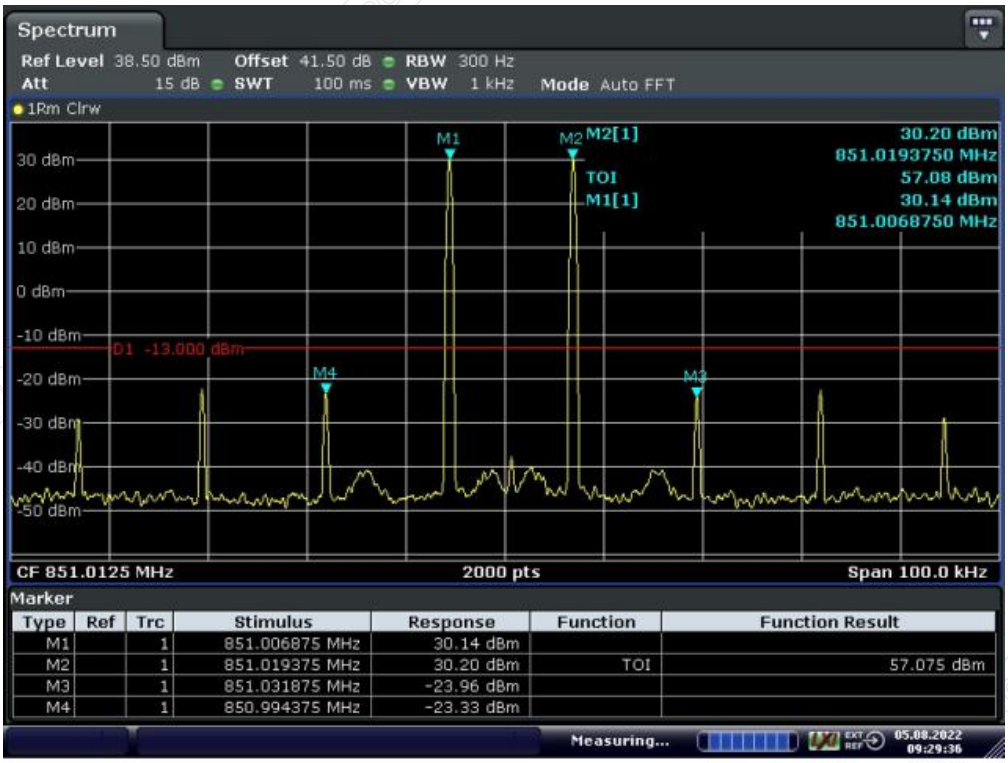
12.18.2.2.1. Channel bandwidth 12.5kHz

12.18.2.2.1.1. Downlink



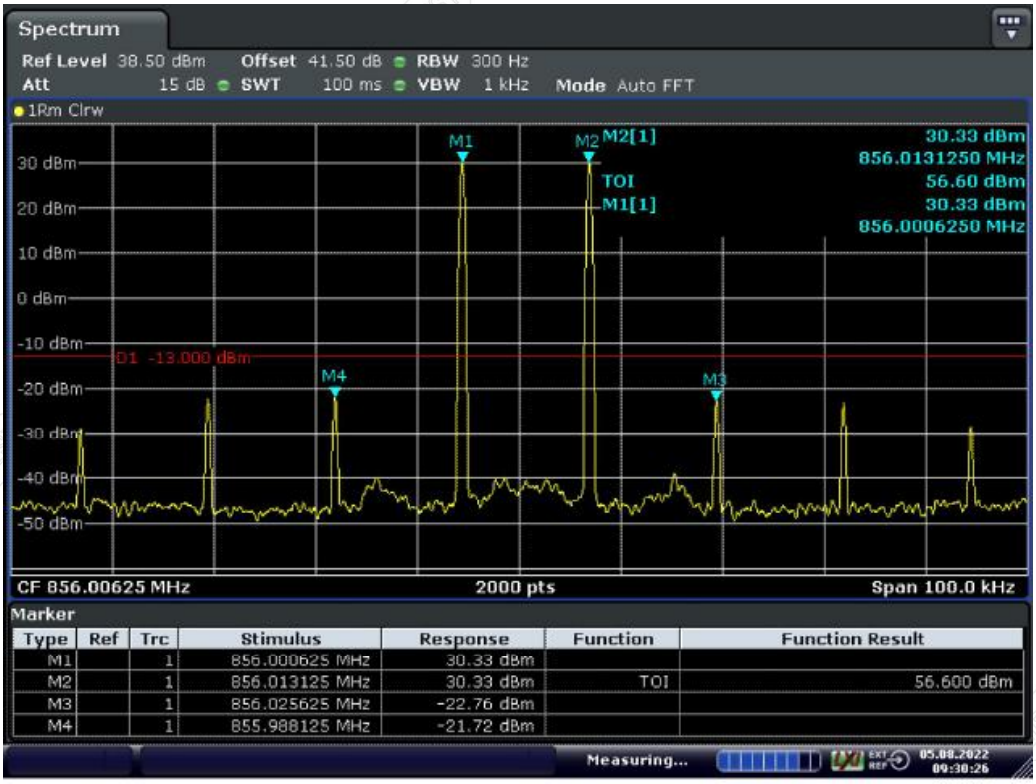
Date: 5.AUG.2022 09:29:30

Low Frequency and with the ALC threshold level



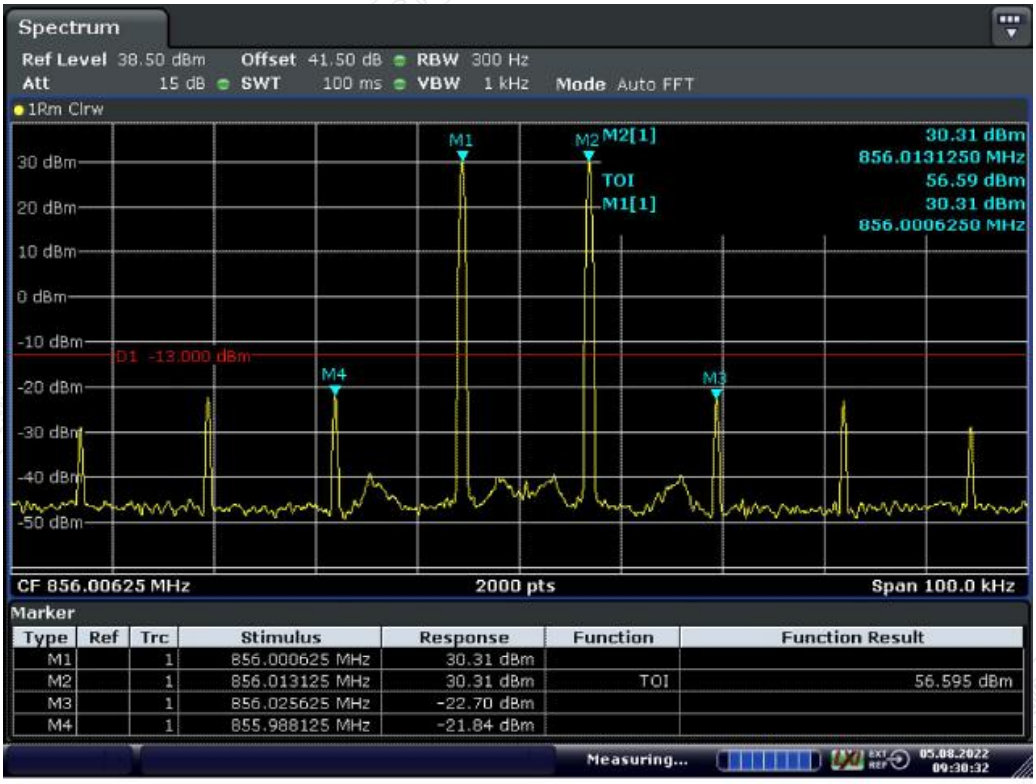
Date: 5.AUG.2022 09:29:37

Low Frequency and with the input signal amplitude set 3 dB above the ALC threshold



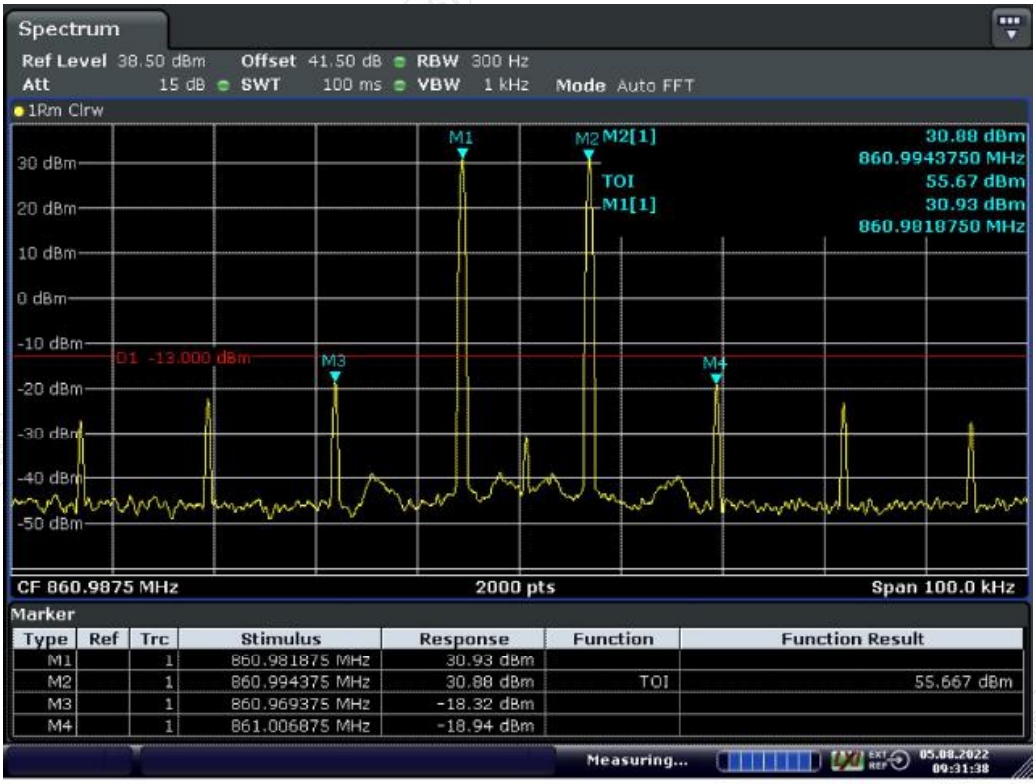
Date: 5.AUG.2022 09:30:26

Mid Frequency and with the ALC threshold level



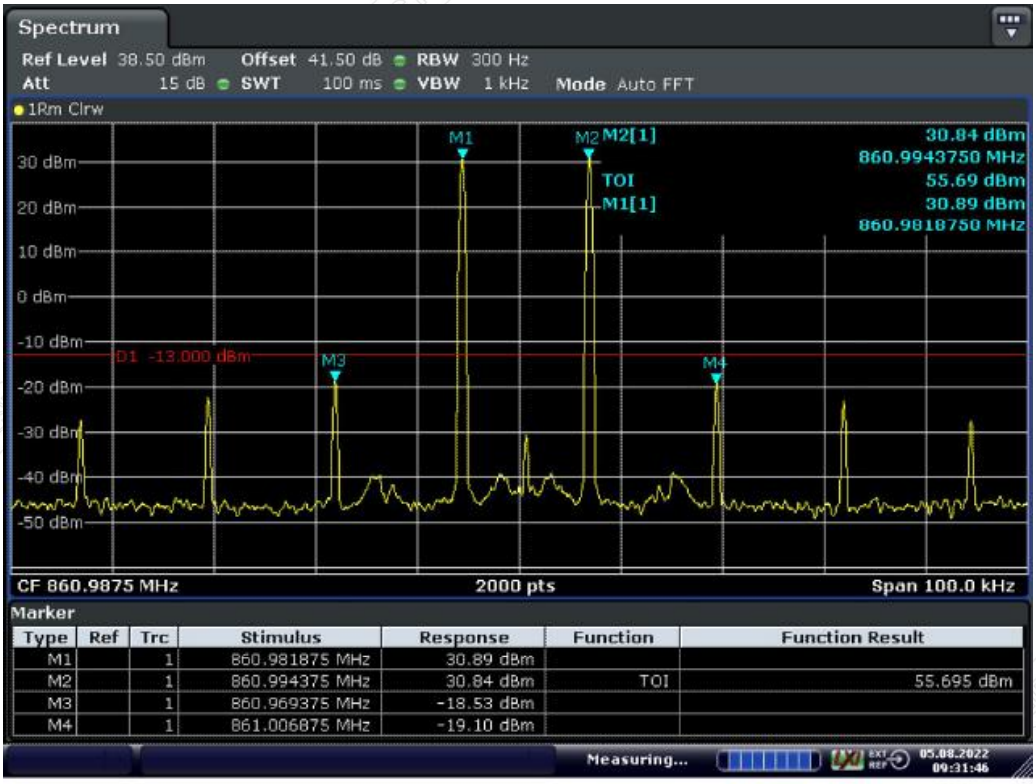
Date: 5.AUG.2022 09:30:32

Mid Frequency and with the input signal amplitude set 3 dB above the ALC threshold



Date: 5.AUG.2022 09:31:38

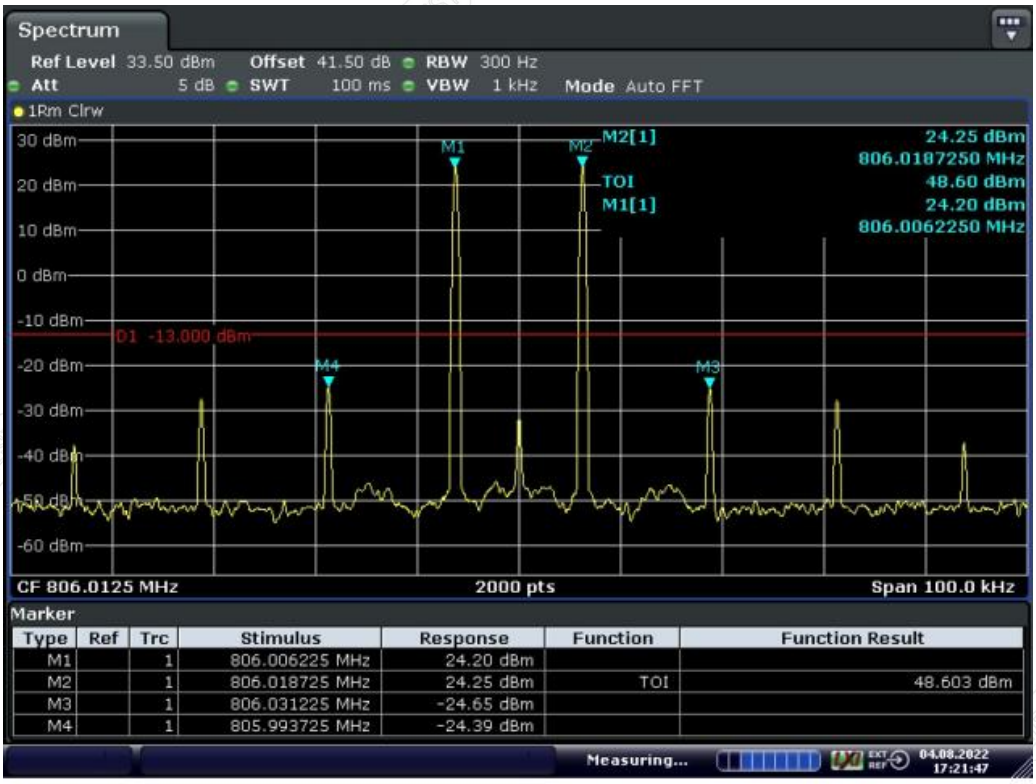
High Frequency and with the ALC threshold level



Date: 5.AUG.2022 09:31:46

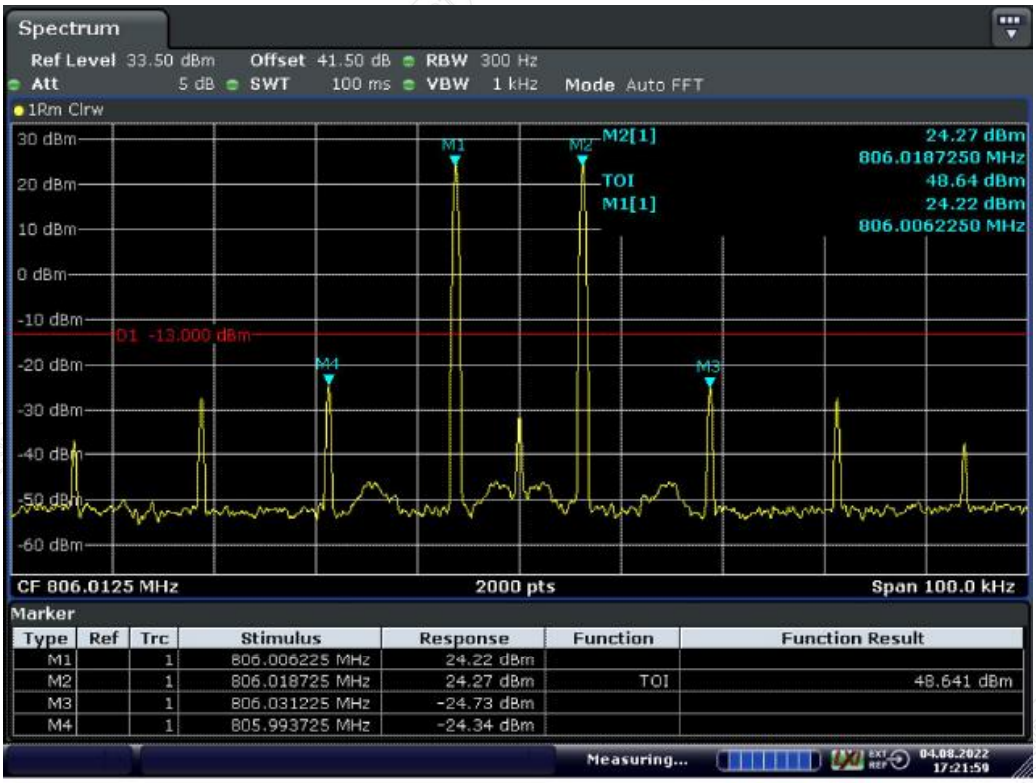
High Frequency and with the input signal amplitude set 3 dB above the ALC threshold

12.18.2.2.1.2. Uplink



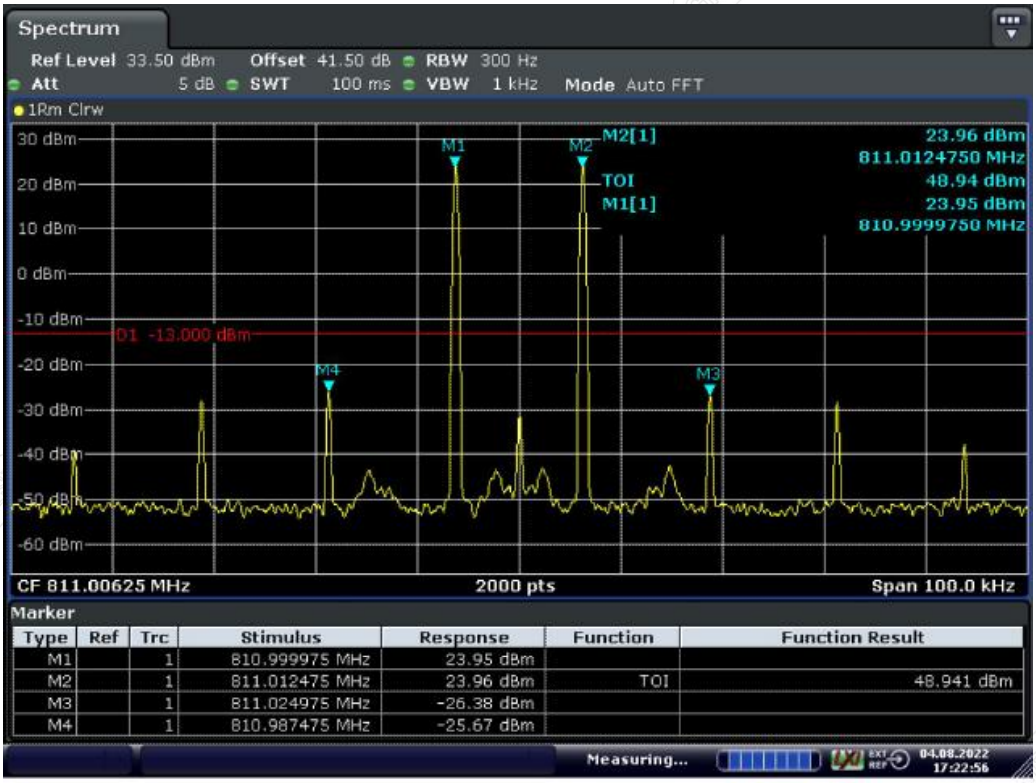
Date: 4.AUG.2022 17:21:47

Low Frequency and with the ALC threshold level



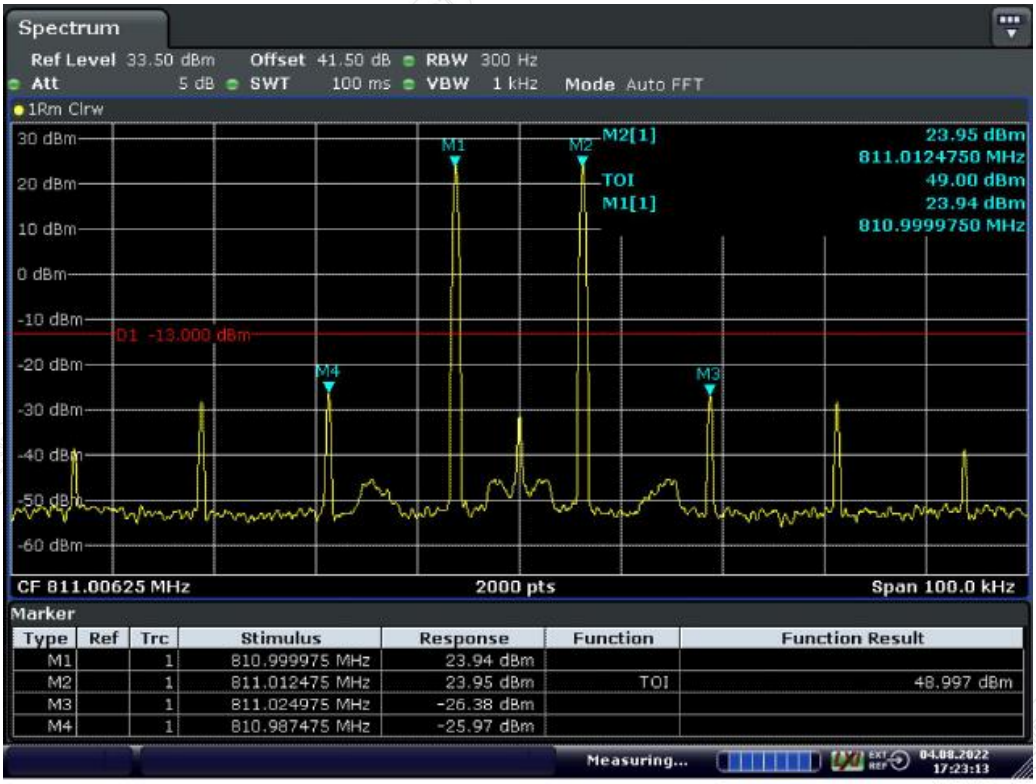
Date: 4.AUG.2022 17:22:00

Low Frequency and with the input signal amplitude set 3 dB above the ALC threshold



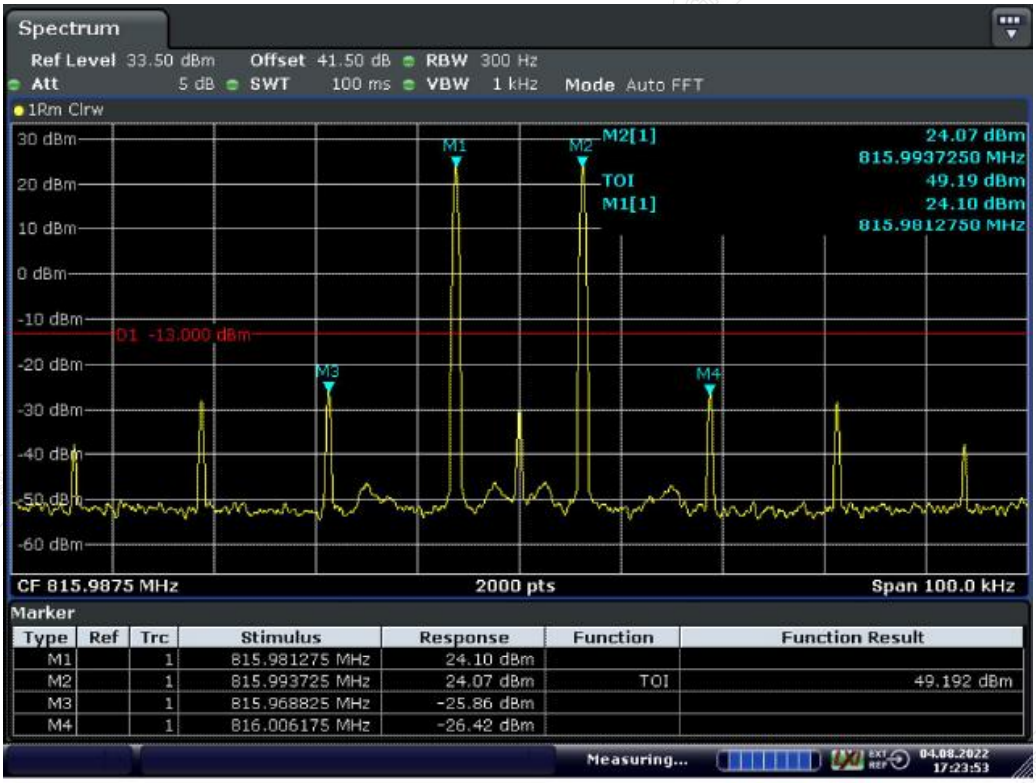
Date: 4.AUG.2022 17:22:57

Mid Frequency and with the ALC threshold level



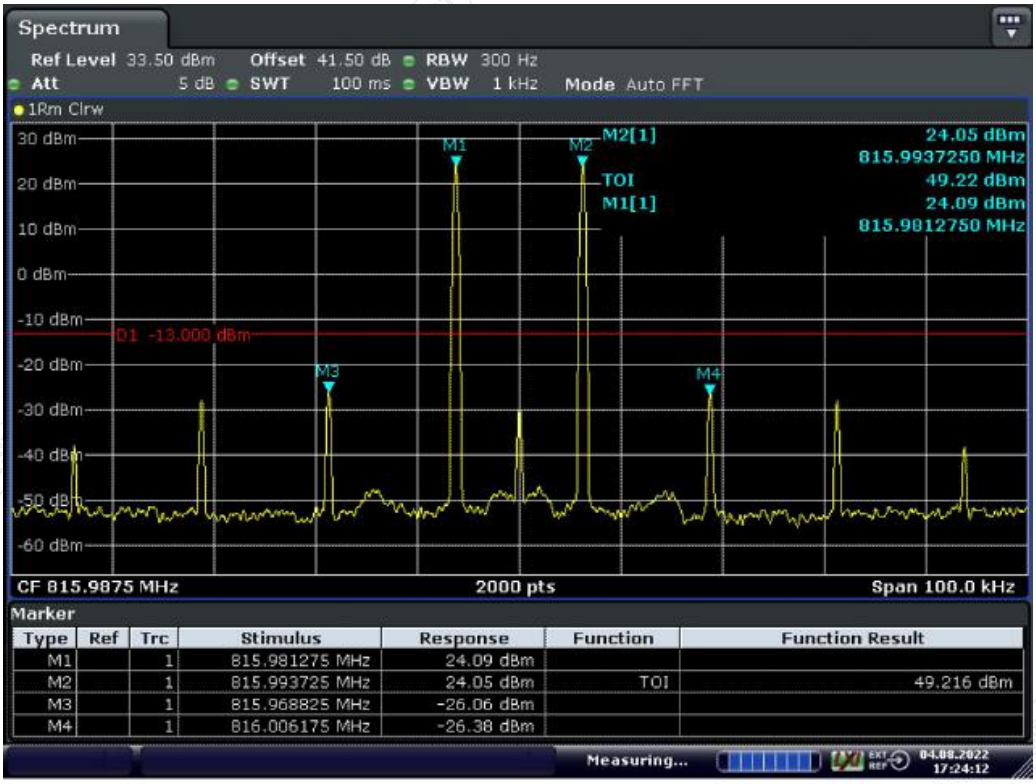
Date: 4.AUG.2022 17:23:13

Mid Frequency and with the input signal amplitude set 3 dB above the ALC threshold



Date: 4.AUG.2022 17:23:54

High Frequency and with the ALC threshold level

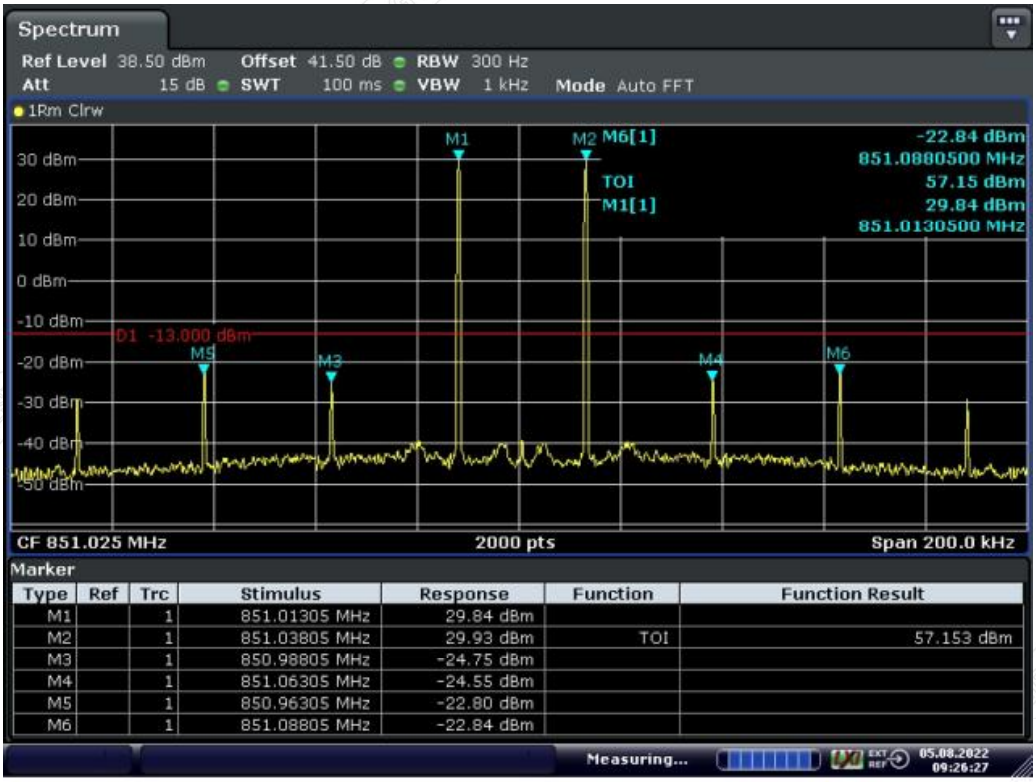


Date: 4.AUG.2022 17:24:12

High Frequency and with the input signal amplitude set 3 dB above the ALC threshold

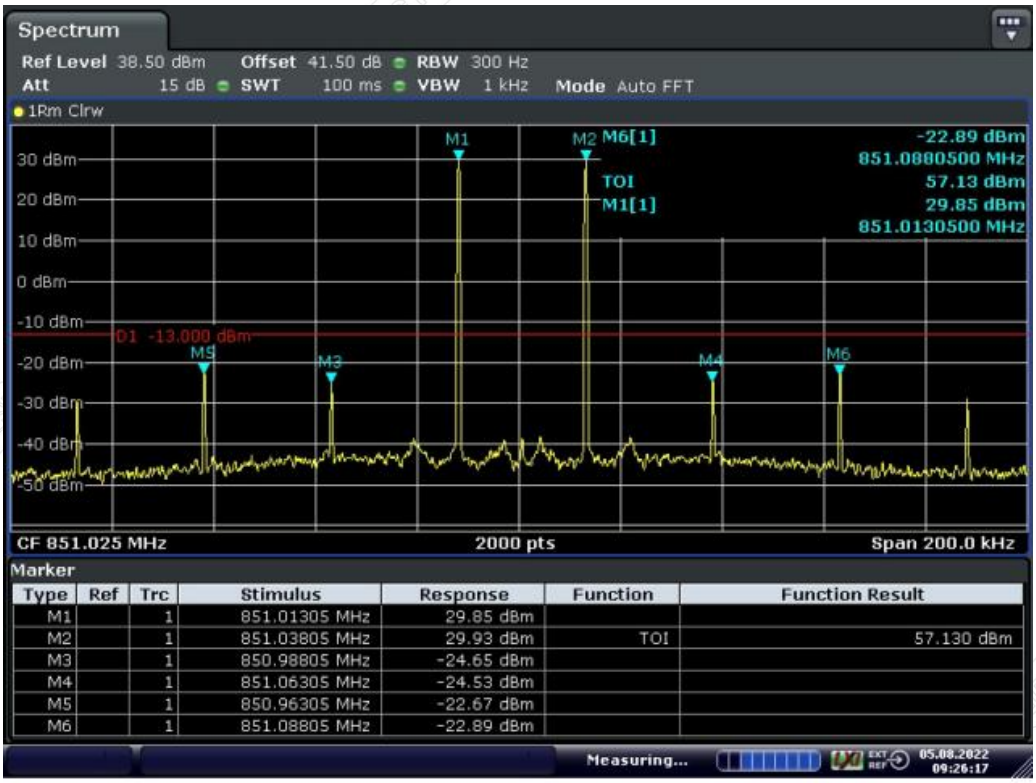
12.18.2.2.2. Channel bandwidth 25kHz

12.18.2.2.2.1. Downlink



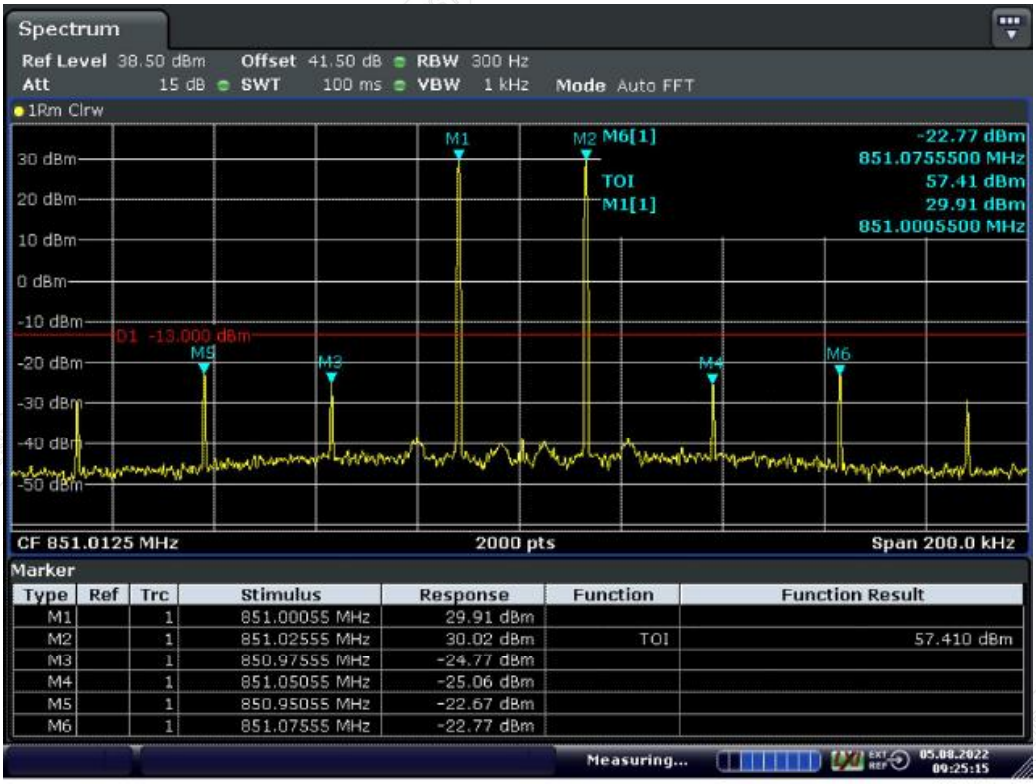
Date: 5.AUG.2022 09:26:28

Low Frequency and with the ALC threshold level



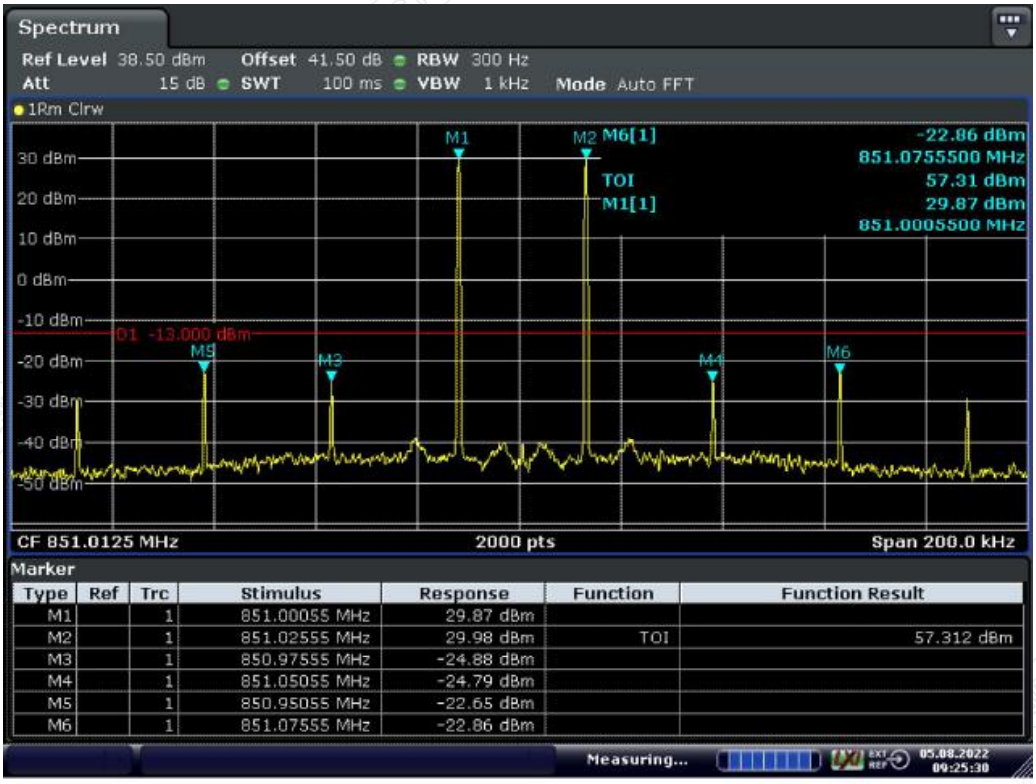
Date: 5.AUG.2022 09:26:17

Low Frequency and with the input signal amplitude set 3 dB above the ALC threshold



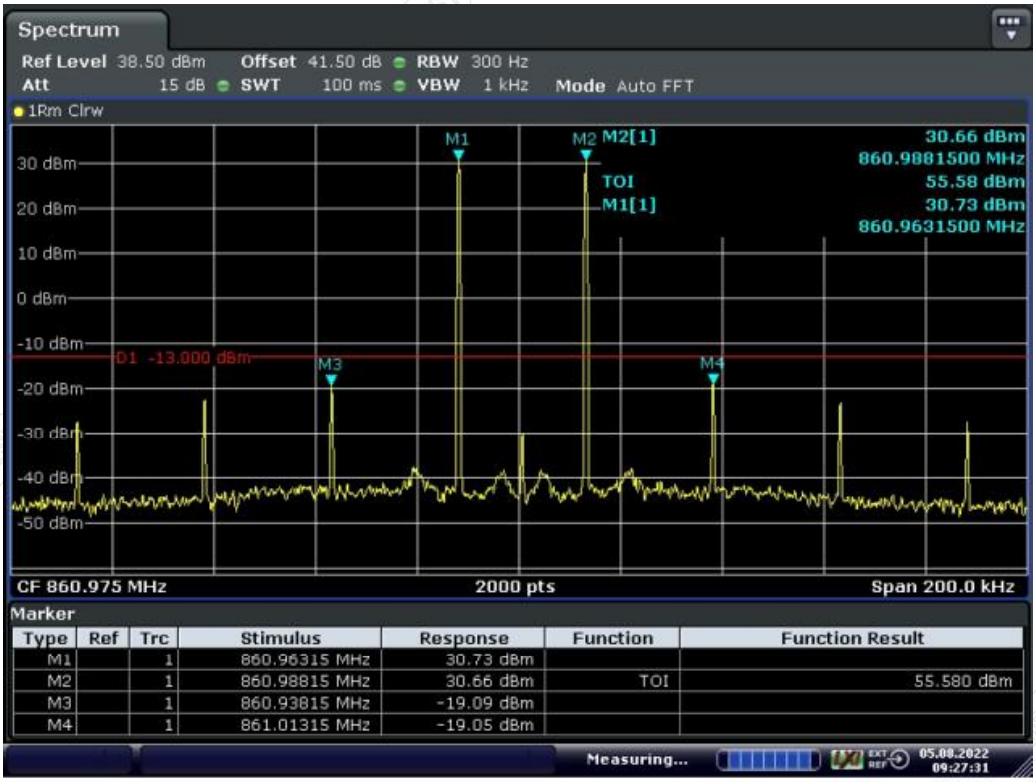
Date: 5.AUG.2022 09:25:15

Mid Frequency and with the ALC threshold level



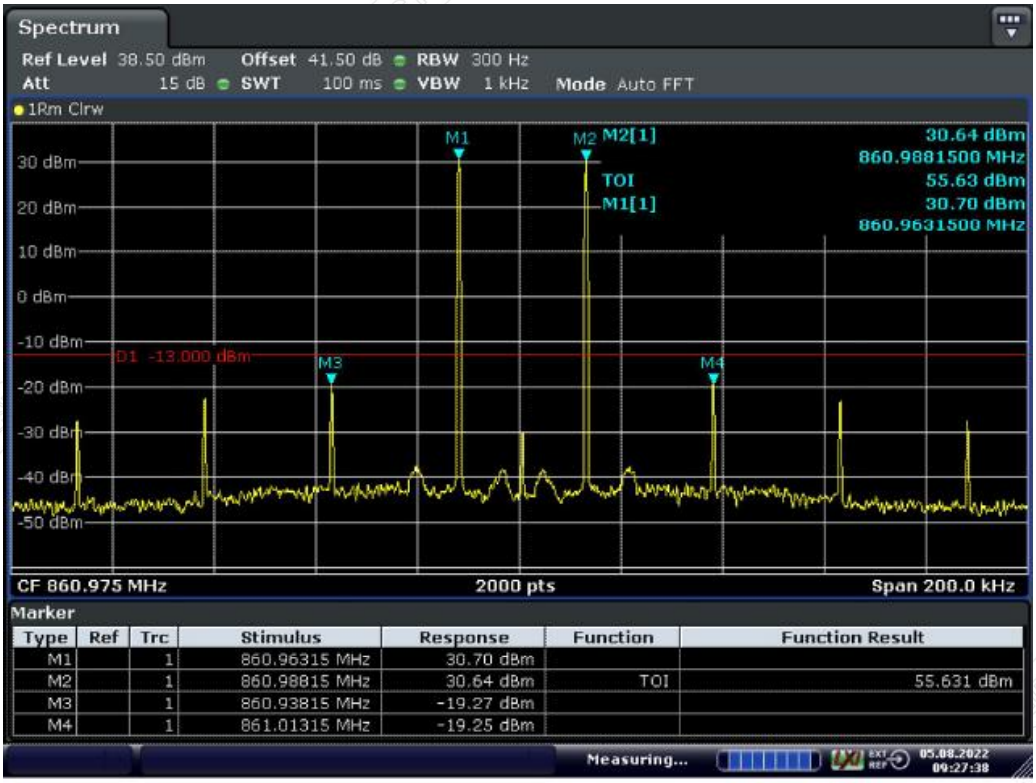
Date: 5.AUG.2022 09:25:31

Mid Frequency and with the input signal amplitude set 3 dB above the ALC threshold



Date: 5.AUG.2022 09:27:32

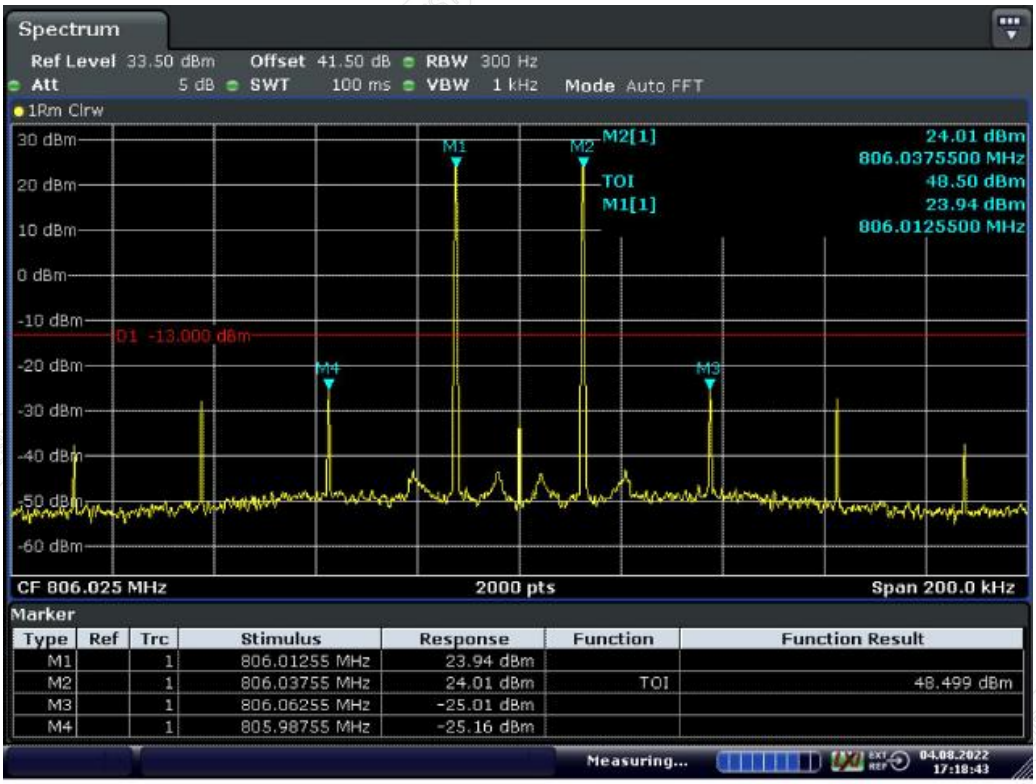
High Frequency and with the ALC threshold level



Date: 5.AUG.2022 09:27:38

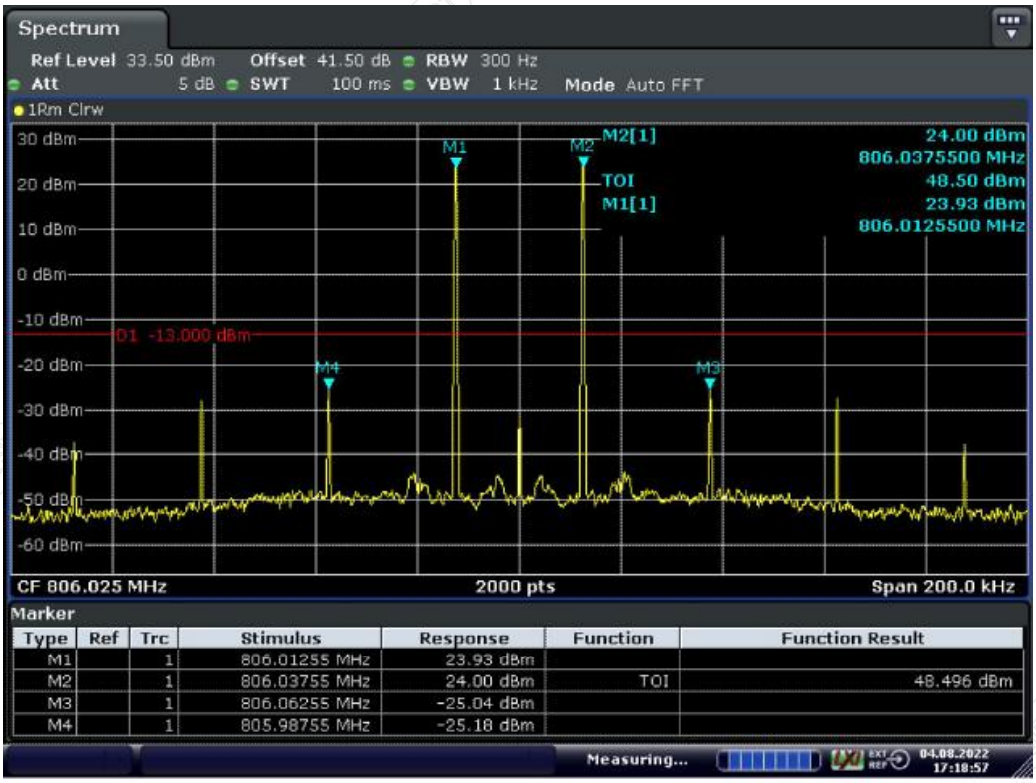
High Frequency and with the input signal amplitude set 3 dB above the ALC threshold

12.18.2.2.2.2. Uplink



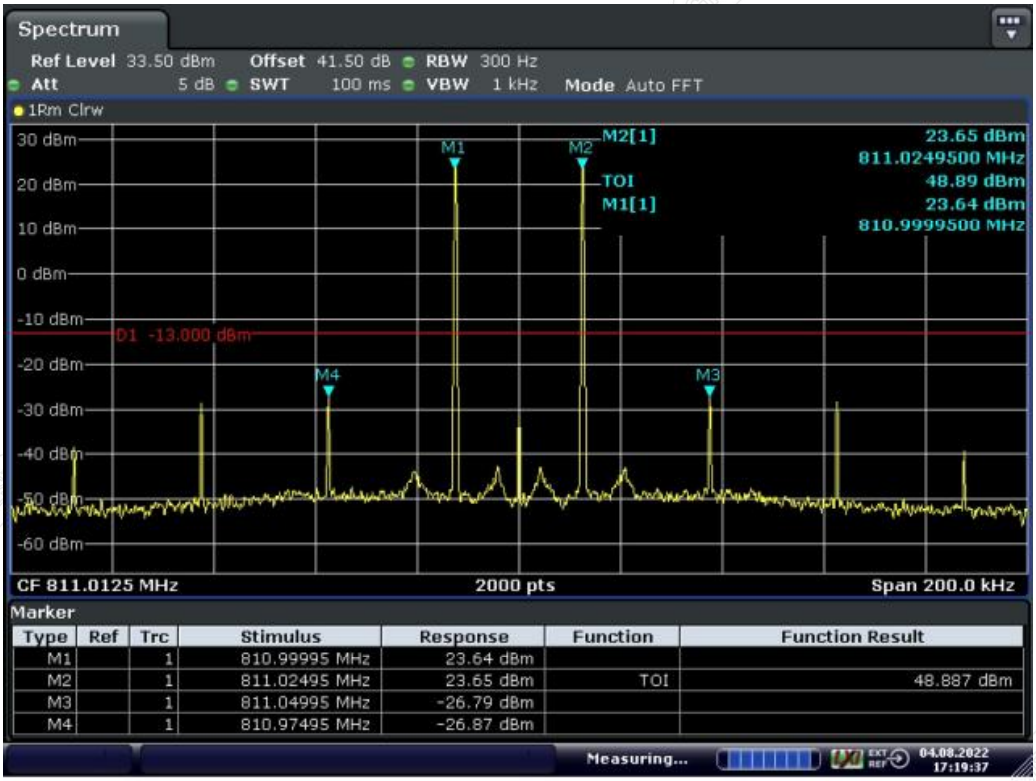
Date: 4.AUG.2022 17:18:43

Low Frequency and with the ALC threshold level



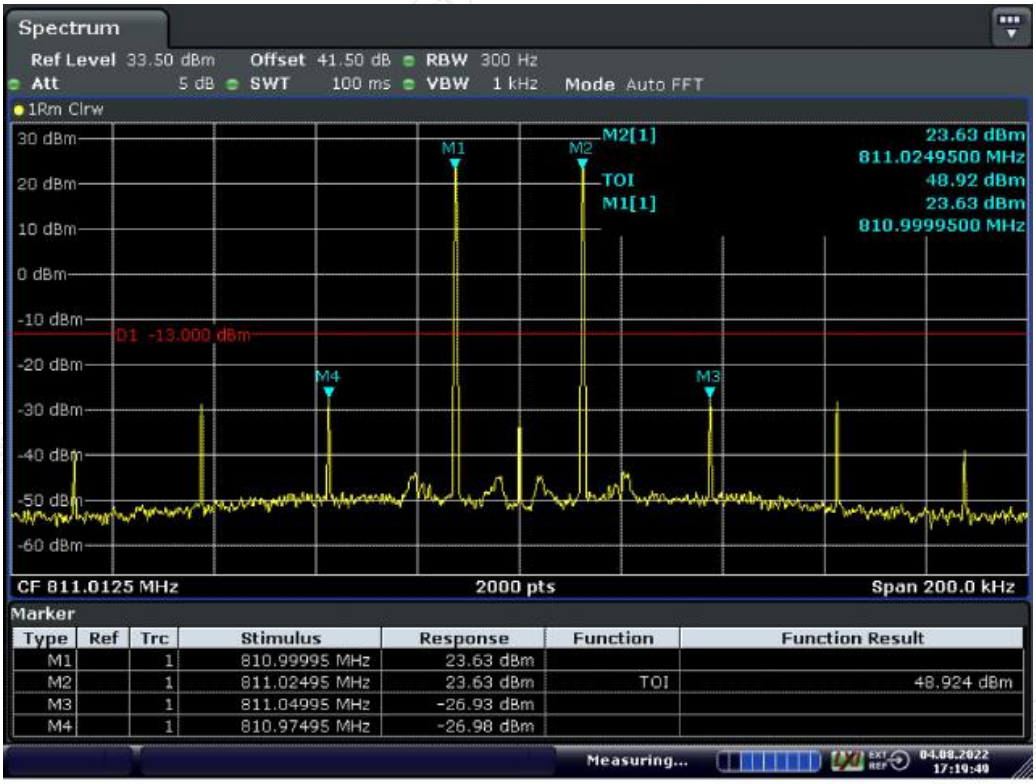
Date: 4.AUG.2022 17:18:57

Low Frequency and with the input signal amplitude set 3 dB above the ALC threshold



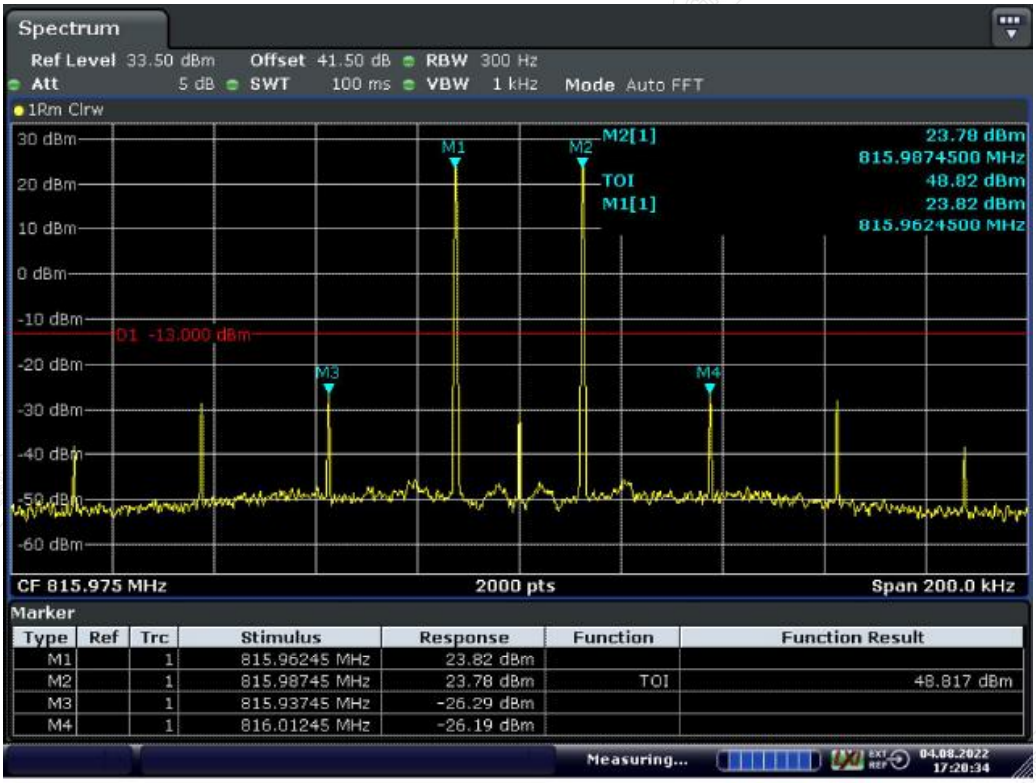
Date: 4.AUG.2022 17:19:38

Mid Frequency and with the ALC threshold level



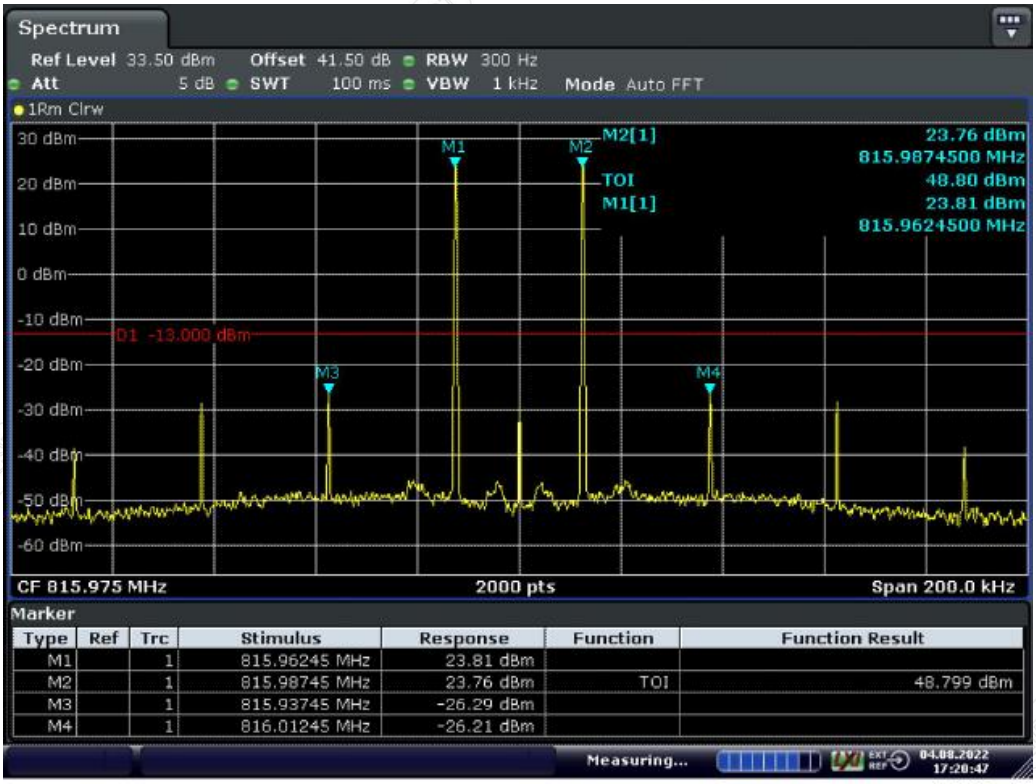
Date: 4.AUG.2022 17:19:50

Mid Frequency and with the input signal amplitude set 3 dB above the ALC threshold



Date: 4.AUG.2022 17:20:35

High Frequency and with the ALC threshold level



Date: 4.AUG.2022 17:20:47

High Frequency and with the input signal amplitude set 3 dB above the ALC threshold

12.19. Conducted spurious emissions

12.19.1. Test results

Test Date (yy-mm-dd): 2022-08-04

Normal condition: Temp:27.1℃, Humid: 52%, Atmospheric Pressure:101kpa

Supply Voltage: AC 110V, 50Hz

12.19.1.1.700MHz Band

Test Frequency		Spurious Limit(dBm)	RBW (kHz)	Max. Spurious Mark Level (dBm)	Margin[1*] (dB)	Result
(1) Downlink Transmit (Frequency range: 758MHz~768MHz)						
LTE 5MHz: Frequency 763MHz	9kHz~1GHz	-13	100	-30.8	17.8	PASS
	1GHz~10GHz	-13	100	-28.6	15.6	PASS
LTE 10MHz: Frequency 763MHz	9kHz~1GHz	-13	100	-30.2	17.2	PASS
	1GHz~10GHz	-13	100	-28.4	15.4	PASS
(2) Downlink Transmit (Frequency range: 768MHz~775MHz)						
Frequency 771.5MHz	9kHz~1GHz	-13	100	-30.1	17.1	PASS
	1GHz~10GHz	-13	100	-28.8	15.8	PASS
(3) Uplink Transmit (Frequency range: 788MHz~798MHz)						
LTE 5MHz: Frequency 793MHz	9kHz~1GHz	-13	100	-31.5	18.5	PASS
	1GHz~10GHz	-13	100	-28.8	15.8	PASS
LTE 10MHz: Frequency 793MHz	9kHz~1GHz	-13	100	-31.5	18.5	PASS
	1GHz~10GHz	-13	100	-29.3	16.3	PASS
(4) Uplink Transmit (Frequency range: 798MHz~805MHz)						
Frequency 801.5MHz	9kHz~1GHz	-13	100	-30.4	17.4	PASS
	1GHz~10GHz	-13	100	-28.9	15.9	PASS
NOTE:[1*]--Margin= specification limit -Maximum mark level.						

12.19.1.2.800MHz Band

Frequency range		Max. Spurious Limit(dBm)	RBW (kHz)	Max. Spurious mark Level (dBm)	Margin[1*] (dB)	Result
(3) Downlink transmit mode (Frequency range: 851MHz~861MHz)						
frequency 856.0MHz	9kHz~1GHz	-13	100	-30.2	17.2	PASS
	1GHz~8.6GHz	-13	100	-27.7	14.7	PASS
(4) Uplink transmit mode(Frequency range: 806MHz~816MHz)						
frequency 811.0MHz	9kHz~1GHz	-13	100	-30.8	17.8	PASS
	1GHz~8.6GHz	-13	100	-29.1	16.1	PASS
NOTE 1:[1*]--Margin= specification limit -Maximum mark level.						

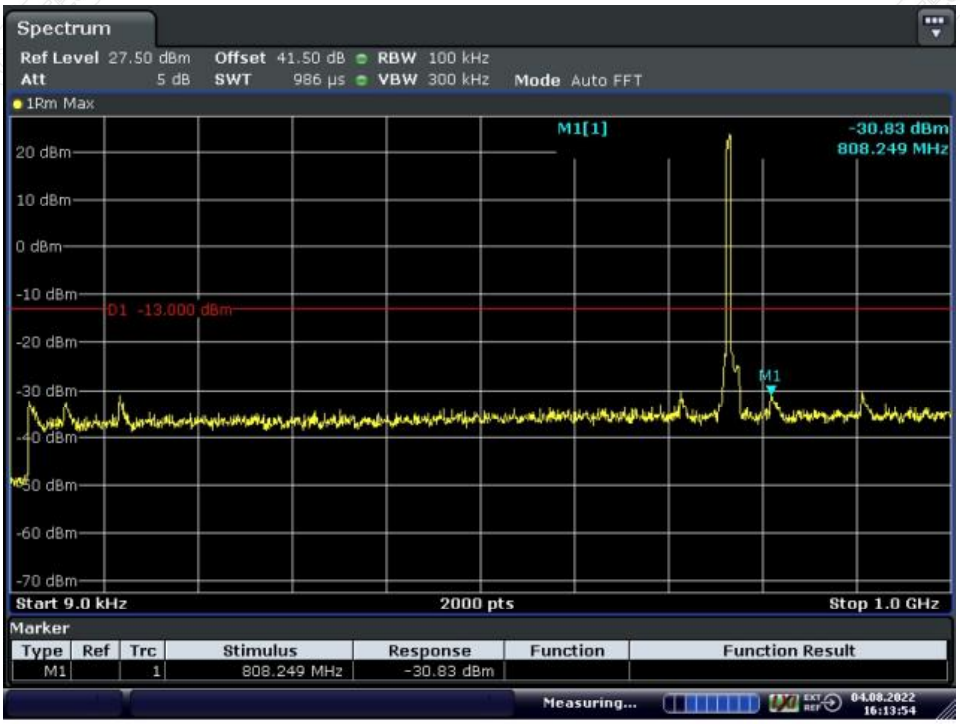
---------- The following blanks ----------

12.19.2. Test screenshot

12.19.2.1.700MHz Band(Frequency range: 758MHz~775MHz/ 788MHz~805MHz)

12.19.2.1.1. Downlink

12.19.2.1.1.1. Frequency range: 758 MHz ~768 MHz LTE 5MHz



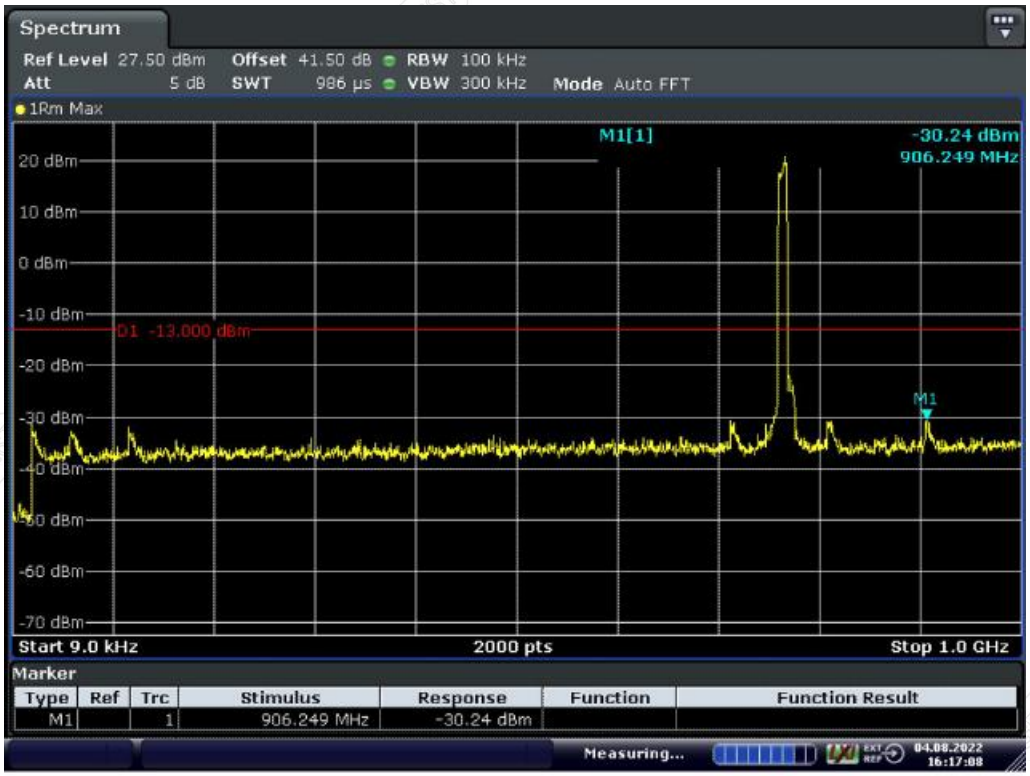
Date: 4.AUG.2022 16:13:54

9kHz~1GHz

Date: 4.AUG.2022 16:15:02

1GHz~10GHz

12.19.2.1.1.2. Frequency range: 758 MHz ~768 MHz LTE 10MHz



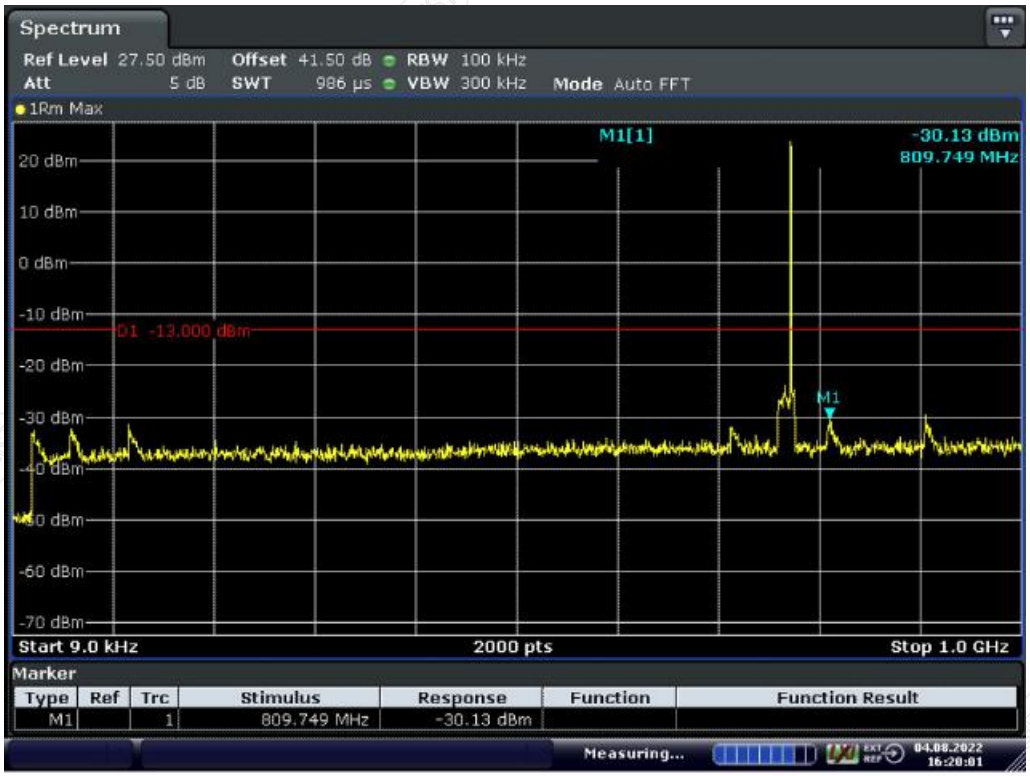
Date: 4.AUG.2022 16:17:08

9kHz~1GHz

Date: 4.AUG.2022 16:16:35

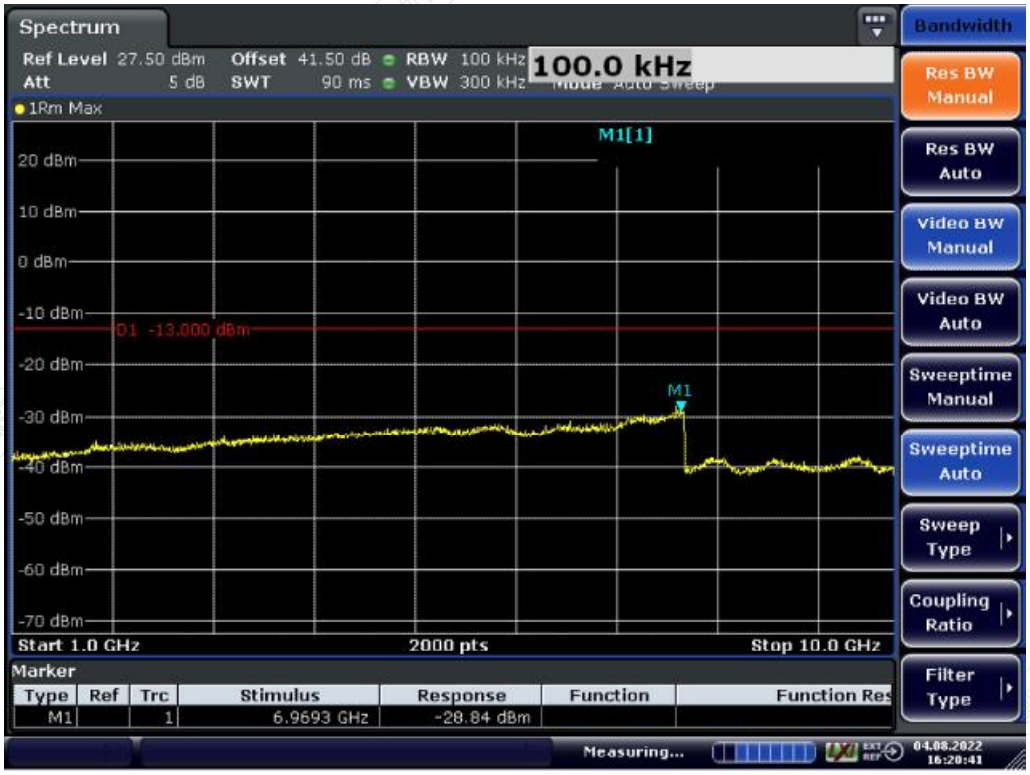
1GHz~10GHz

12.19.2.1.1.3. Frequency range: 768 MHz ~775 MHz



Date: 4.AUG.2022 16:20:01

9kHz~1GHz

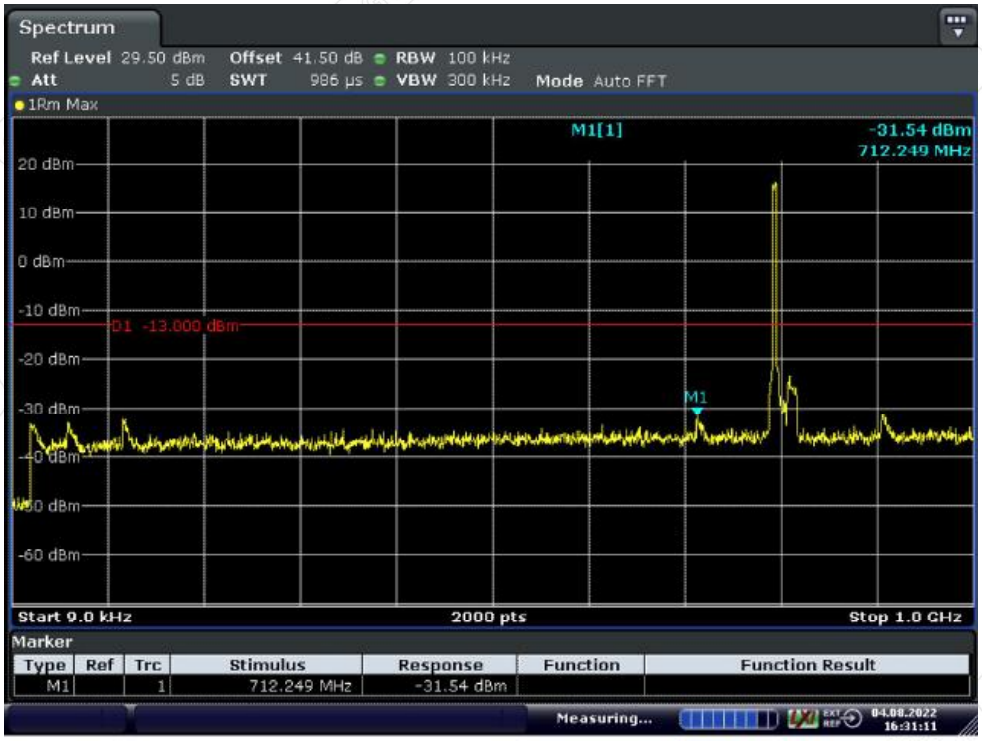


Date: 4.AUG.2022 16:20:41

1GHz~10GHz

12.19.2.1.2. Uplink

12.19.2.1.2.1. Frequency range: 788 MHz ~798 MHz LTE 5MHz



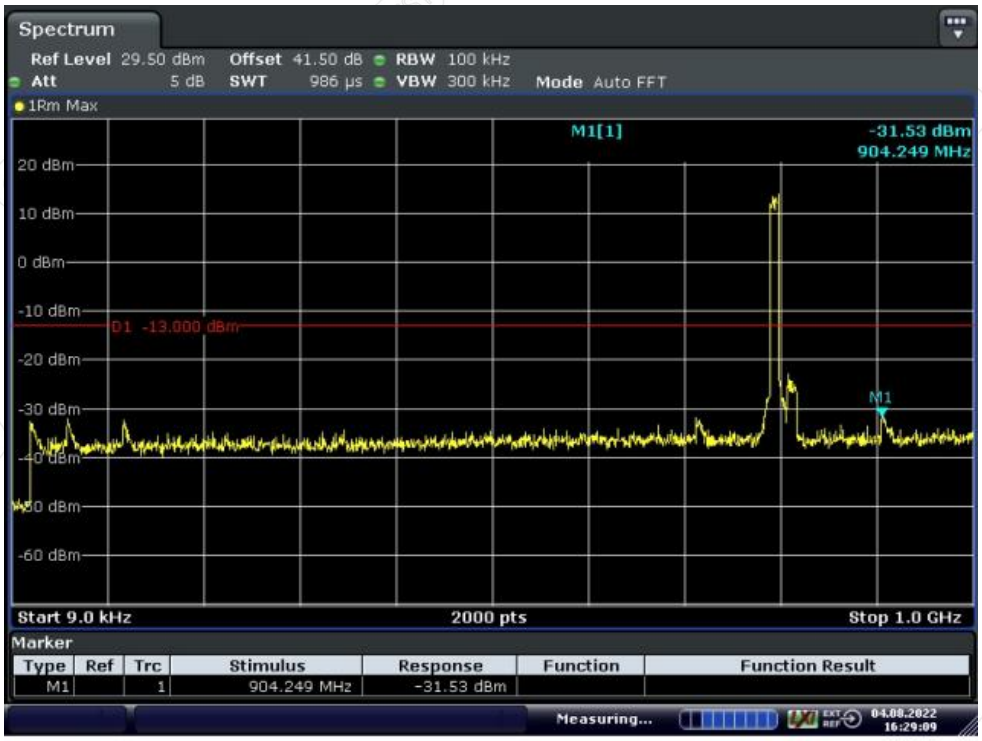
Date: 4.AUG.2022 16:31:12

9kHz~1GHz

Date: 4.AUG.2022 16:30:51

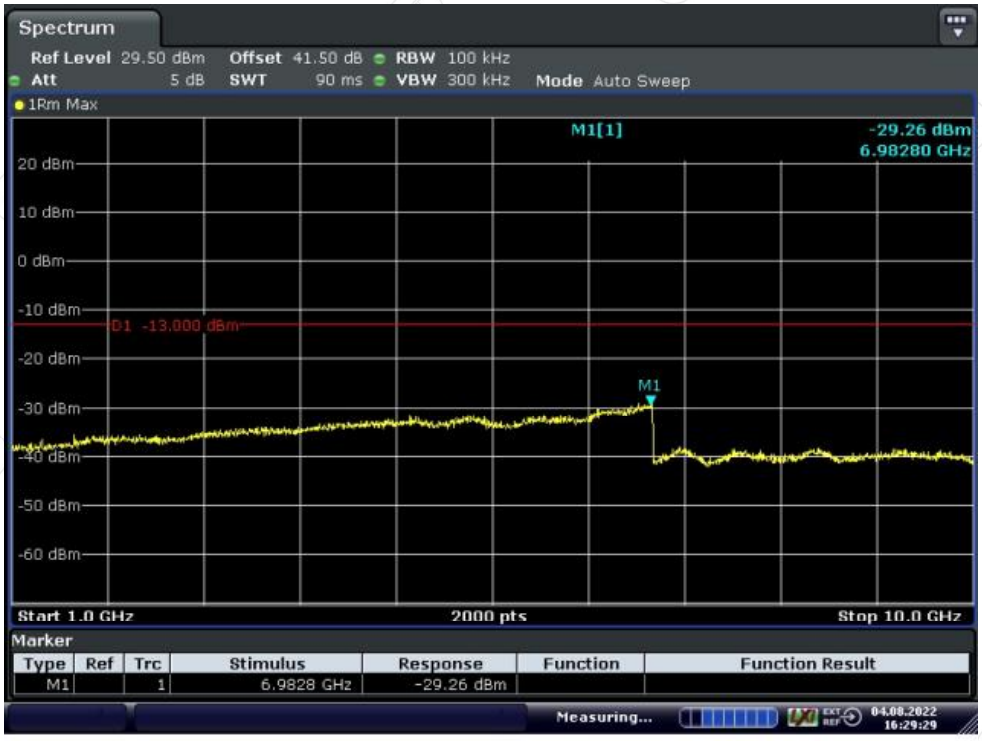
1GHz~10GHz

12.19.2.1.2.2. Frequency range: 788 MHz ~798 MHz LTE 10MHz



Date: 4.AUG.2022 16:29:09

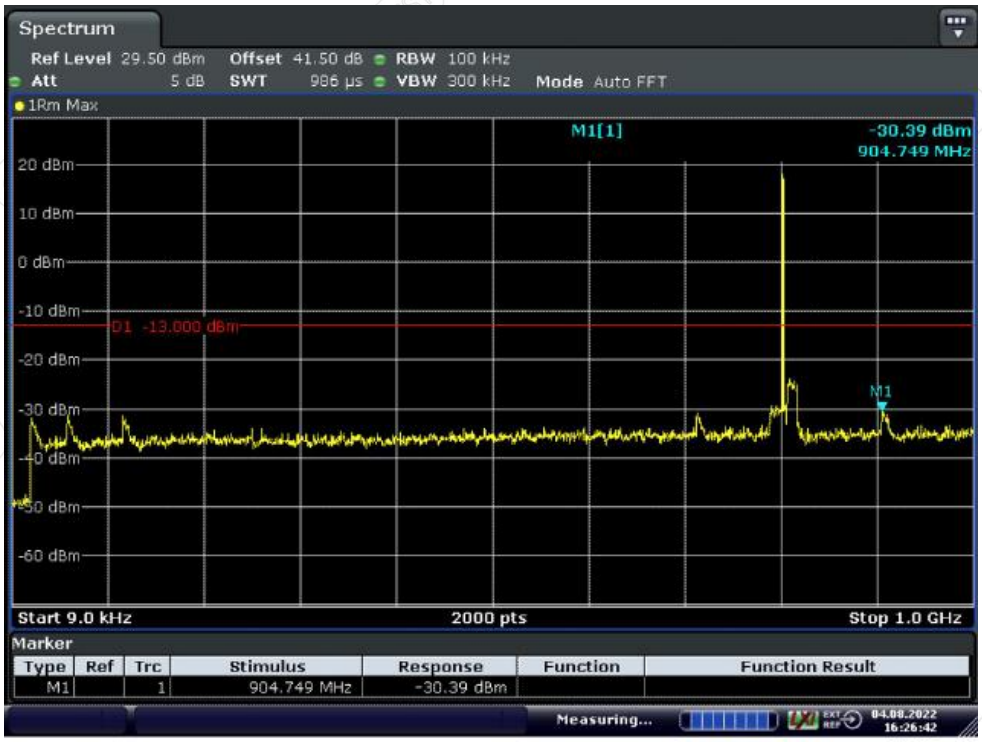
9kHz~1GHz



Date: 4.AUG.2022 16:29:30

1GHz~10GHz

12.19.2.1.2.3. Frequency range: 798 MHz ~805 MHz



Date: 4.AUG.2022 16:26:42

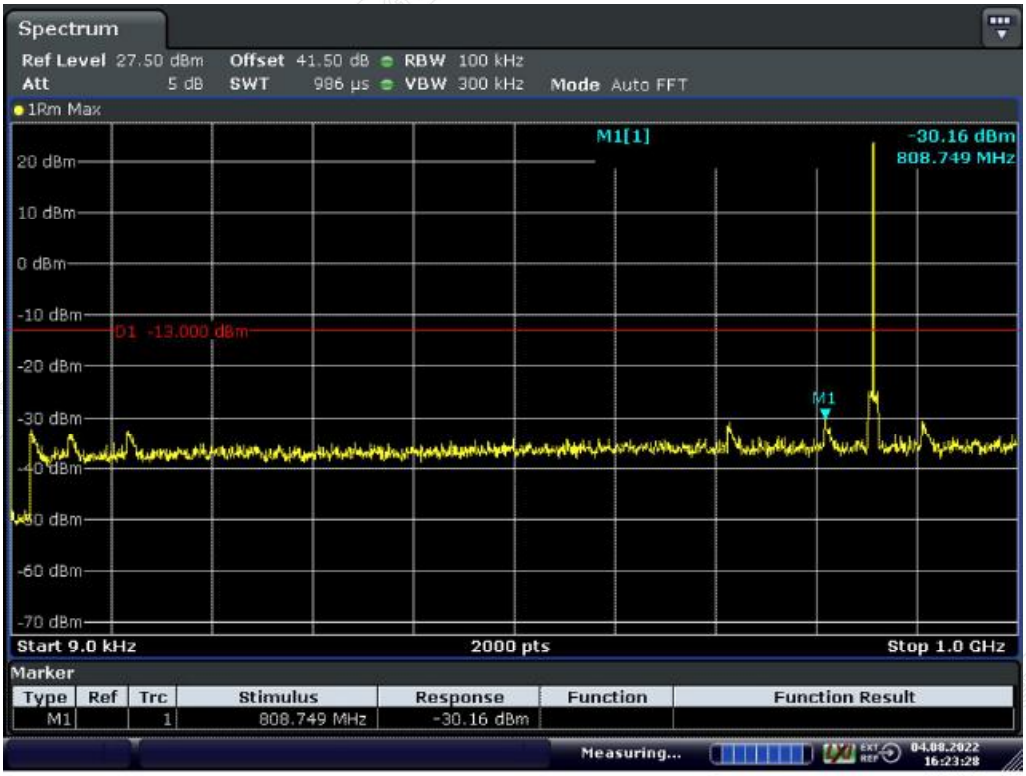
9kHz~1GHz

Date: 4.AUG.2022 16:27:04

1GHz~10GHz

12.19.2.2.800MHz Band(Frequency range: 851MHz~861MHz/ 806MHz~816MHz)

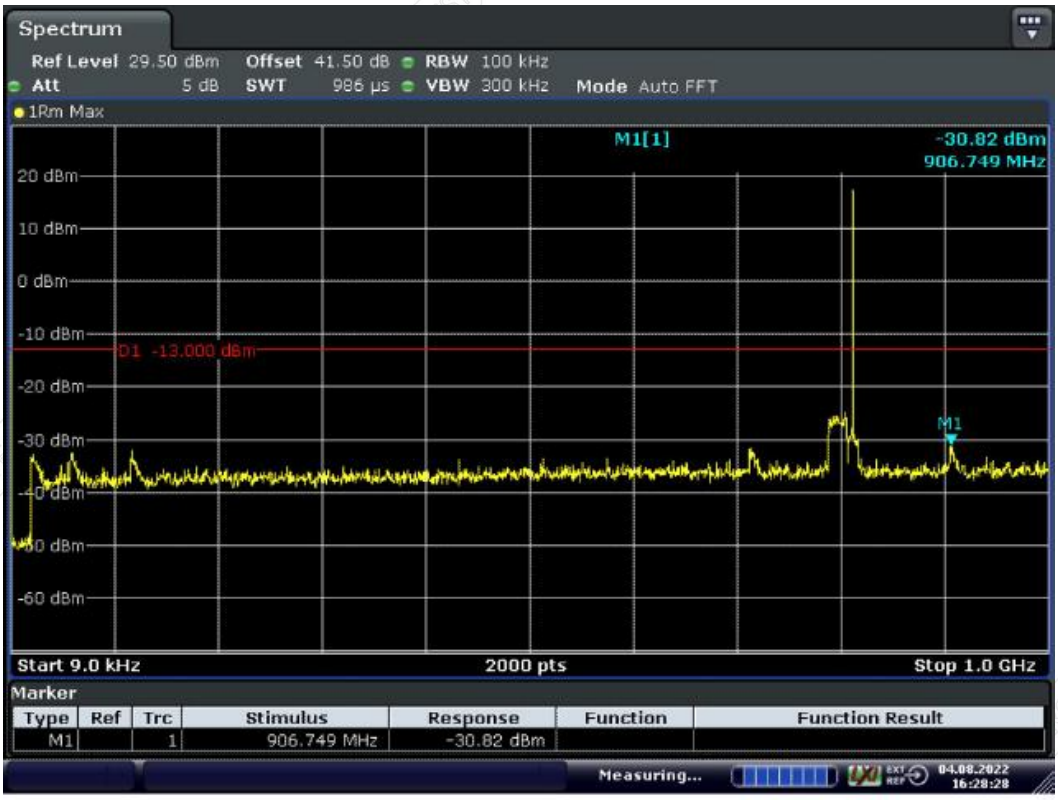
12.19.2.2.1. Downlink



9kHz~1GHz

1GHz~10GHz

12.19.2.2.2. Uplink



Date: 4.AUG.2022 16:28:28

9kHz~1GHz

Date: 4.AUG.2022 16:28:02

1GHz~10GHz

12.20. Frequency stability

12.20.1. Test results

Test Date (yy-mm-dd): 2022-08-15

Normal condition: Temp:25.1℃, Humid: 47%, Atmospheric Pressure:101kpa

Extreme test conditions:

Temp range: -30℃~+50℃ Test Date: 2022-08-15

12.20.1.1. Downlink

12.20.1.1.1. The center frequency is 763MHz

Temperature (℃)	Voltage	Intput carrier Frequency (MHz)	Comparison of deviation value between output frequency and input frequency(Hz)	Limit (ppm)	Frequency stability (ppm)	Result
-30	AC 93.5V(110*85%)	763.0	-0.3	±2.5	-0.0004	PASS
	AC 110V	763.0	-0.7	±2.5	-0.0009	PASS
	AC 126.5V(110*115%)	763.0	0.4	±2.5	0.0005	PASS
-20	AC 93.5V(110*85%)	763.0	-0.6	±2.5	-0.0008	PASS
	AC 110V	763.0	-0.8	±2.5	-0.0010	PASS
	AC 126.5V(110*115%)	763.0	-0.5	±2.5	-0.0007	PASS
-10	AC 93.5V(110*85%)	763.0	0.8	±2.5	0.0010	PASS
	AC 110V	763.0	0.2	±2.5	0.0003	PASS
	AC 126.5V(110*115%)	763.0	-0.2	±2.5	-0.0003	PASS
0	AC 93.5V(110*85%)	763.0	0.6	±2.5	0.0008	PASS
	AC 110V	763.0	0.2	±2.5	0.0003	PASS
	AC 126.5V(110*115%)	763.0	-0.8	±2.5	-0.0010	PASS
10	AC 93.5V(110*85%)	763.0	0.7	±2.5	0.0009	PASS
	AC 110V	763.0	-0.8	±2.5	-0.0010	PASS
	AC 126.5V(110*115%)	763.0	-0.3	±2.5	-0.0004	PASS
20	AC 93.5V(110*85%)	763.0	-0.5	±2.5	-0.0007	PASS
	AC 110V	763.0	-0.4	±2.5	-0.0005	PASS
	AC 126.5V(110*115%)	763.0	0.7	±2.5	0.0009	PASS
30	AC 93.5V(110*85%)	763.0	-0.4	±2.5	-0.0005	PASS
	AC 110V	763.0	-0.3	±2.5	-0.0004	PASS
	AC 126.5V(110*115%)	763.0	0.3	±2.5	0.0004	PASS
40	AC 93.5V(110*85%)	763.0	-0.7	±2.5	-0.0009	PASS
	AC 110V	763.0	-0.3	±2.5	-0.0004	PASS
	AC 126.5V(110*115%)	763.0	-0.7	±2.5	-0.0009	PASS
50	AC 93.5V(110*85%)	763.0	0.7	±2.5	0.0009	PASS
	AC 110V	763.0	-0.4	±2.5	-0.0005	PASS
	AC 126.5V(110*115%)	763.0	0.5	±2.5	0.0007	PASS
NOTE: The test result is accurate to 4 decimal places.						

12.20.1.1.2. The center frequency is 771.5MHz

Temperature (℃)	Voltage	Intput carrier Frequency (MHz)	Comparison of deviation value between output frequency and input frequency(Hz)	Limit (ppm)	Frequency stability (ppm)	Result
-30	AC 93.5V(110*85%)	771.5	0.4	±1.5	0.0005	PASS
	AC 110V	771.5	-0.8	±1.5	-0.0010	PASS
	AC 126.5V(110*115%)	771.5	0.6	±1.5	0.0008	PASS
-20	AC 93.5V(110*85%)	771.5	0.6	±1.5	0.0008	PASS
	AC 110V	771.5	0.8	±1.5	0.0010	PASS
	AC 126.5V(110*115%)	771.5	-0.6	±1.5	-0.0008	PASS
-10	AC 93.5V(110*85%)	771.5	0.1	±1.5	0.0001	PASS
	AC 110V	771.5	0.3	±1.5	0.0004	PASS
	AC 126.5V(110*115%)	771.5	0.2	±1.5	0.0003	PASS
0	AC 93.5V(110*85%)	771.5	0.2	±1.5	0.0003	PASS
	AC 110V	771.5	-0.6	±1.5	-0.0008	PASS
	AC 126.5V(110*115%)	771.5	0	±1.5	0.0000	PASS
10	AC 93.5V(110*85%)	771.5	0.3	±1.5	0.0004	PASS
	AC 110V	771.5	-0.5	±1.5	-0.0006	PASS
	AC 126.5V(110*115%)	771.5	0.7	±1.5	0.0009	PASS
20	AC 93.5V(110*85%)	771.5	0.2	±1.5	0.0003	PASS
	AC 110V	771.5	-0.1	±1.5	-0.0001	PASS
	AC 126.5V(110*115%)	771.5	-0.5	±1.5	-0.0006	PASS
30	AC 93.5V(110*85%)	771.5	-0.5	±1.5	-0.0006	PASS
	AC 110V	771.5	-0.7	±1.5	-0.0009	PASS
	AC 126.5V(110*115%)	771.5	0.8	±1.5	0.0010	PASS
40	AC 93.5V(110*85%)	771.5	0.5	±1.5	0.0006	PASS
	AC 110V	771.5	-0.3	±1.5	-0.0004	PASS
	AC 126.5V(110*115%)	771.5	0	±1.5	0.0000	PASS
50	AC 93.5V(110*85%)	771.5	0.4	±1.5	0.0005	PASS
	AC 110V	771.5	-0.4	±1.5	-0.0005	PASS
	AC 126.5V(110*115%)	771.5	-0.3	±1.5	-0.0004	PASS
NOTE: The test result is accurate to 4 decimal places.						

12.20.1.1.3. The center frequency is 856MHz

Temperature (℃)	Voltage	Intput carrier Frequency (MHz)	Comparison of deviation value between output frequency and input frequency(Hz)	Limit (ppm)	Frequency stability (ppm)	Result
-30	AC 93.5V(110*85%)	856.0	0.5	±1.0	0.0006	PASS
	AC 110V	856.0	-0.5	±1.0	-0.0006	PASS
	AC 126.5V(110*115%)	856.0	0.8	±1.0	0.0009	PASS
-20	AC 93.5V(110*85%)	856.0	0.3	±1.0	0.0004	PASS
	AC 110V	856.0	0.7	±1.0	0.0008	PASS
	AC 126.5V(110*115%)	856.0	0.4	±1.0	0.0005	PASS
-10	AC 93.5V(110*85%)	856.0	0.4	±1.0	0.0005	PASS
	AC 110V	856.0	0.2	±1.0	0.0002	PASS
	AC 126.5V(110*115%)	856.0	0.6	±1.0	0.0007	PASS
0	AC 93.5V(110*85%)	856.0	0.5	±1.0	0.0006	PASS
	AC 110V	856.0	-0.8	±1.0	-0.0009	PASS
	AC 126.5V(110*115%)	856.0	-0.6	±1.0	-0.0007	PASS
10	AC 93.5V(110*85%)	856.0	0.3	±1.0	0.0004	PASS
	AC 110V	856.0	-0.6	±1.0	-0.0007	PASS
	AC 126.5V(110*115%)	856.0	0.4	±1.0	0.0005	PASS
20	AC 93.5V(110*85%)	856.0	-0.7	±1.0	-0.0008	PASS
	AC 110V	856.0	0.3	±1.0	0.0004	PASS
	AC 126.5V(110*115%)	856.0	0.5	±1.0	0.0006	PASS
30	AC 93.5V(110*85%)	856.0	-0.5	±1.0	-0.0006	PASS
	AC 110V	856.0	0.8	±1.0	0.0009	PASS
	AC 126.5V(110*115%)	856.0	-0.3	±1.0	-0.0004	PASS
40	AC 93.5V(110*85%)	856.0	0.8	±1.0	0.0009	PASS
	AC 110V	856.0	-0.1	±1.0	-0.0001	PASS
	AC 126.5V(110*115%)	856.0	-0.8	±1.0	-0.0009	PASS
50	AC 93.5V(110*85%)	856.0	-0.7	±1.0	-0.0008	PASS
	AC 110V	856.0	-0.8	±1.0	-0.0009	PASS
	AC 126.5V(110*115%)	856.0	0.2	±1.0	0.0002	PASS
NOTE: The test result is accurate to 4 decimal places.						

12.20.1.2.Uplink

12.20.1.2.1. The center frequency is 793MHz

Temperature (℃)	Voltage	Intput carrier Frequency (MHz)	Comparison of deviation value between output frequency and input frequency(Hz)	Limit (ppm)	Frequency stability (ppm)	Result
-30	AC 93.5V(110*85%)	793.0	0.4	±2.5	0.0005	PASS
	AC 110V	793.0	-0.8	±2.5	-0.0010	PASS
	AC 126.5V(110*115%)	793.0	0.2	±2.5	0.0003	PASS
-20	AC 93.5V(110*85%)	793.0	0.4	±2.5	0.0005	PASS
	AC 110V	793.0	0.1	±2.5	0.0001	PASS
	AC 126.5V(110*115%)	793.0	0.3	±2.5	0.0004	PASS
-10	AC 93.5V(110*85%)	793.0	-0.3	±2.5	-0.0004	PASS
	AC 110V	793.0	-0.2	±2.5	-0.0003	PASS
	AC 126.5V(110*115%)	793.0	-0.7	±2.5	-0.0009	PASS
0	AC 93.5V(110*85%)	793.0	0.8	±2.5	0.0010	PASS
	AC 110V	793.0	-0.4	±2.5	-0.0005	PASS
	AC 126.5V(110*115%)	793.0	-0.7	±2.5	-0.0009	PASS
10	AC 93.5V(110*85%)	793.0	-0.5	±2.5	-0.0006	PASS
	AC 110V	793.0	0.8	±2.5	0.0010	PASS
	AC 126.5V(110*115%)	793.0	0.7	±2.5	0.0009	PASS
20	AC 93.5V(110*85%)	793.0	0.3	±2.5	0.0004	PASS
	AC 110V	793.0	-0.1	±2.5	-0.0001	PASS
	AC 126.5V(110*115%)	793.0	0.6	±2.5	0.0008	PASS
30	AC 93.5V(110*85%)	793.0	-0.4	±2.5	-0.0005	PASS
	AC 110V	793.0	0.2	±2.5	0.0003	PASS
	AC 126.5V(110*115%)	793.0	0.6	±2.5	0.0008	PASS
40	AC 93.5V(110*85%)	793.0	-0.7	±2.5	-0.0009	PASS
	AC 110V	793.0	-0.7	±2.5	-0.0009	PASS
	AC 126.5V(110*115%)	793.0	-0.8	±2.5	-0.0010	PASS
50	AC 93.5V(110*85%)	793.0	-0.3	±2.5	-0.0004	PASS
	AC 110V	793.0	-0.4	±2.5	-0.0005	PASS
	AC 126.5V(110*115%)	793.0	-0.7	±2.5	-0.0009	PASS
NOTE: The test result is accurate to 4 decimal places.						

12.20.1.2.2. The center frequency is 801.5MHz

Temperature (℃)	Voltage	Intput carrier Frequency (MHz)	Comparison of deviation value between output frequency and input frequency(Hz)	Limit (ppm)	Frequency stability (ppm)	Result
-30	AC 93.5V(110*85%)	801.5	-0.4	±1.5	-0.0005	PASS
	AC 110V	801.5	-0.6	±1.5	-0.0007	PASS
	AC 126.5V(110*115%)	801.5	0.7	±1.5	0.0009	PASS
-20	AC 93.5V(110*85%)	801.5	0.6	±1.5	0.0007	PASS
	AC 110V	801.5	0.8	±1.5	0.0010	PASS
	AC 126.5V(110*115%)	801.5	0.5	±1.5	0.0006	PASS
-10	AC 93.5V(110*85%)	801.5	-0.6	±1.5	-0.0007	PASS
	AC 110V	801.5	-0.7	±1.5	-0.0009	PASS
	AC 126.5V(110*115%)	801.5	0.4	±1.5	0.0005	PASS
0	AC 93.5V(110*85%)	801.5	0.3	±1.5	0.0004	PASS
	AC 110V	801.5	-0.2	±1.5	-0.0002	PASS
	AC 126.5V(110*115%)	801.5	-0.3	±1.5	-0.0004	PASS
10	AC 93.5V(110*85%)	801.5	0.5	±1.5	0.0006	PASS
	AC 110V	801.5	0.2	±1.5	0.0002	PASS
	AC 126.5V(110*115%)	801.5	-0.3	±1.5	-0.0004	PASS
20	AC 93.5V(110*85%)	801.5	-0.4	±1.5	-0.0005	PASS
	AC 110V	801.5	0.8	±1.5	0.0010	PASS
	AC 126.5V(110*115%)	801.5	0.4	±1.5	0.0005	PASS
30	AC 93.5V(110*85%)	801.5	0.2	±1.5	0.0002	PASS
	AC 110V	801.5	-0.8	±1.5	-0.0010	PASS
	AC 126.5V(110*115%)	801.5	0.7	±1.5	0.0009	PASS
40	AC 93.5V(110*85%)	801.5	-0.8	±1.5	-0.0010	PASS
	AC 110V	801.5	0.4	±1.5	0.0005	PASS
	AC 126.5V(110*115%)	801.5	0.4	±1.5	0.0005	PASS
50	AC 93.5V(110*85%)	801.5	0.8	±1.5	0.0010	PASS
	AC 110V	801.5	-0.7	±1.5	-0.0009	PASS
	AC 126.5V(110*115%)	801.5	0.6	±1.5	0.0007	PASS
NOTE: The test result is accurate to 4 decimal places.						

12.20.1.2.3. The center frequency is 811MHz

Temperature (℃)	Voltage	Intput carrier Frequency (MHz)	Comparison of deviation value between output frequency and input frequency(Hz)	Limit (ppm)	Frequency stability (ppm)	Result
-30	AC 93.5V(110*85%)	811.0	0.5	±1.0	0.0006	PASS
	AC 110V	811.0	-0.4	±1.0	-0.0005	PASS
	AC 126.5V(110*115%)	811.0	-0.1	±1.0	-0.0001	PASS
-20	AC 93.5V(110*85%)	811.0	0.2	±1.0	0.0002	PASS
	AC 110V	811.0	0.7	±1.0	0.0009	PASS
	AC 126.5V(110*115%)	811.0	-0.5	±1.0	-0.0006	PASS
-10	AC 93.5V(110*85%)	811.0	0.3	±1.0	0.0004	PASS
	AC 110V	811.0	-0.6	±1.0	-0.0007	PASS
	AC 126.5V(110*115%)	811.0	-0.7	±1.0	-0.0009	PASS
0	AC 93.5V(110*85%)	811.0	0.6	±1.0	0.0007	PASS
	AC 110V	811.0	-0.3	±1.0	-0.0004	PASS
	AC 126.5V(110*115%)	811.0	0.3	±1.0	0.0004	PASS
10	AC 93.5V(110*85%)	811.0	-0.7	±1.0	-0.0009	PASS
	AC 110V	811.0	-0.2	±1.0	-0.0002	PASS
	AC 126.5V(110*115%)	811.0	-0.8	±1.0	-0.0010	PASS
20	AC 93.5V(110*85%)	811.0	0.2	±1.0	0.0002	PASS
	AC 110V	811.0	-0.2	±1.0	-0.0002	PASS
	AC 126.5V(110*115%)	811.0	-0.4	±1.0	-0.0005	PASS
30	AC 93.5V(110*85%)	811.0	0.1	±1.0	0.0001	PASS
	AC 110V	811.0	0.7	±1.0	0.0009	PASS
	AC 126.5V(110*115%)	811.0	-0.5	±1.0	-0.0006	PASS
40	AC 93.5V(110*85%)	811.0	0.1	±1.0	0.0001	PASS
	AC 110V	811.0	0.5	±1.0	0.0006	PASS
	AC 126.5V(110*115%)	811.0	0.2	±1.0	0.0002	PASS
50	AC 93.5V(110*85%)	811.0	0.2	±1.0	0.0002	PASS
	AC 110V	811.0	0.5	±1.0	0.0006	PASS
	AC 126.5V(110*115%)	811.0	-0.4	±1.0	-0.0005	PASS
NOTE: The test result is accurate to 4 decimal places.						

12.21. Radiated spurious emissions

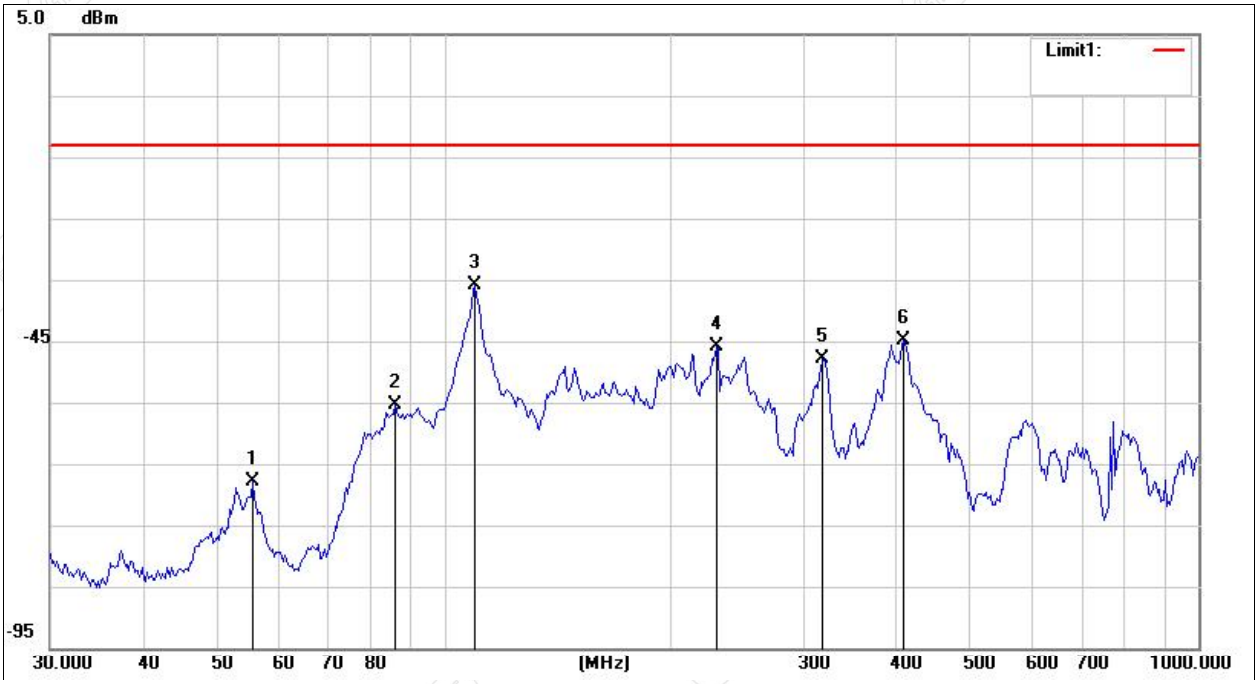
12.21.1. Test results

12.21.1.1. Below 1GHz

12.21.1.1.1. 700MHz Band

12.21.1.1.1.1. Polarization type: Horizontal

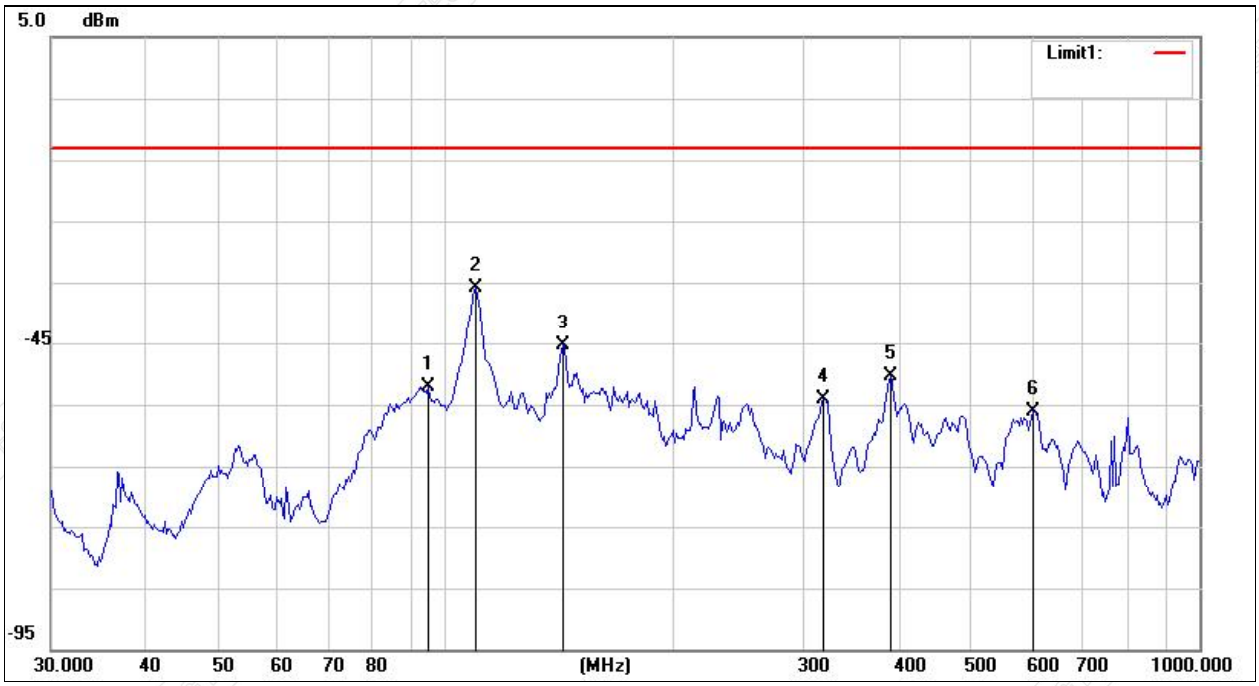
Test Result:	PASS	Polarization:	Horizontal
Standard:	FCC PART 90	Power Source:	AC 110V, 50Hz
Test item:	Radiation spurious emissions	Date:	2022-08-10
Temp.(℃)/Hum.(%RH):	23.8℃/47%RH	Time:	10:12:20
EUT:	Public Safety Bi-directional Amplifier	Test mode:	Downlink mode
Model:	RX78V2F-B-AC	Distance:	3m
Note:	/		



No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	55.6644	-89.73	21.92	-67.81	-13.00	-54.81	peak
2	86.2854	-75.39	19.96	-55.43	-13.00	-42.43	peak
3	109.8700	-60.65	24.82	-35.83	-13.00	-22.83	peak
4	229.3962	-71.67	25.89	-45.78	-13.00	-32.78	peak
5	317.7868	-73.60	25.64	-47.96	-13.00	-34.96	peak
6	406.9287	-74.59	29.83	-44.76	-13.00	-31.76	peak
Note: When the read value of the test frequency does not exceed the peak limit, peak is used instead of RMS value.							

12.21.1.1.1.2. Polarization type: Vertical

Test Result:	PASS	Polarization:	Vertical
Standard:	FCC PART 90	Power Source:	AC 110V, 50Hz
Test item:	Radiation spurious emissions	Date:	2022-08-10
Temp.(℃)/Hum.(%RH):	23.8℃/47%RH	Time:	10:08:37
EUT:	Public Safety Bi-directional Amplifier	Test mode:	Downlink mode
Model:	RX78V2F-B-AC	Distance:	3m
Note:	/		

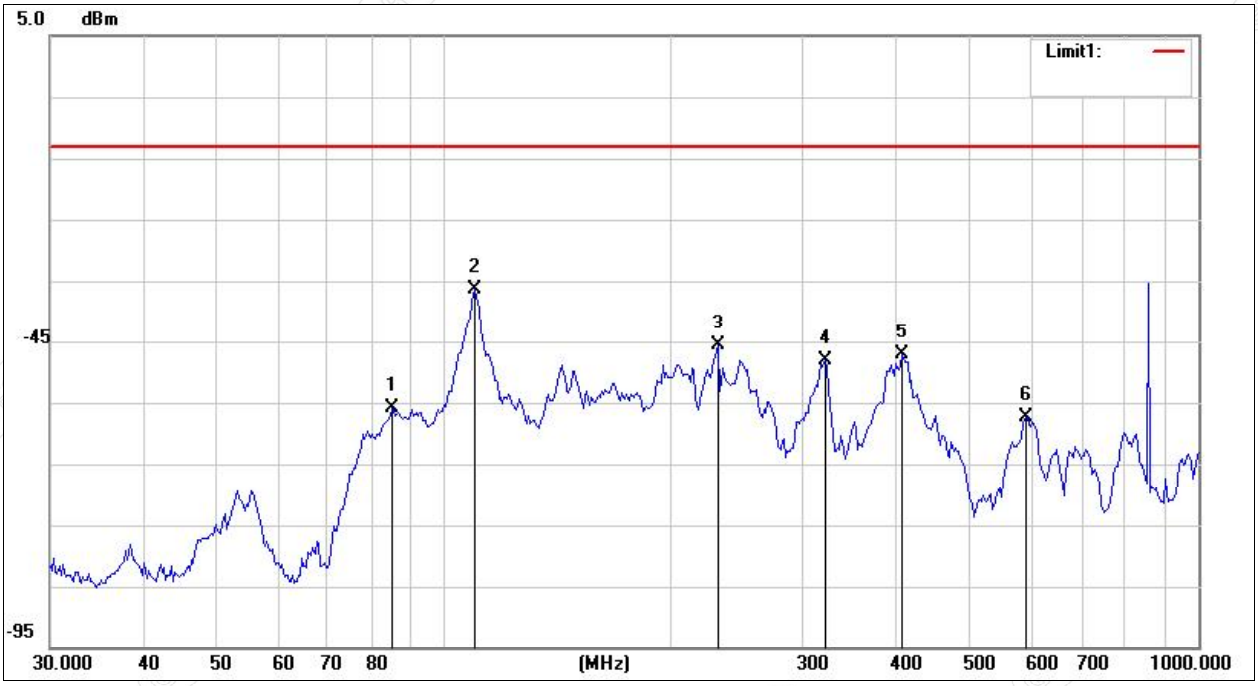


No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	94.9349	-73.74	21.62	-52.12	-13.00	-39.12	peak
2	109.8700	-60.68	24.82	-35.86	-13.00	-22.86	peak
3	143.0814	-74.31	28.96	-45.35	-13.00	-32.35	peak
4	317.7868	-79.83	25.64	-54.19	-13.00	-41.19	peak
5	389.0399	-78.36	28.09	-50.27	-13.00	-37.27	peak
6	603.0510	-89.98	33.98	-56.00	-13.00	-43.00	peak
Note: When the read value of the test frequency does not exceed the peak limit, peak is used instead of RMS value.							

12.21.1.1.2. 800MHz Band

12.21.1.1.2.1. Polarization type: Horizontal

Test Result:	PASS	Polarization:	Horizontal
Standard:	FCC PART 90	Power Source:	AC 110V, 50Hz
Test item:	Radiation spurious emissions	Date:	2022-08-10
Temp.(℃)/Hum.(%RH):	23.8℃/47%RH	Time:	10:16:46
EUT:	Public Safety Bi-directional Amplifier	Test mode:	Downlink mode
Model:	RX78V2F-B-AC	Distance:	3m
Note:	/		



No.	Frequency (MHz)	Reading (dBm)	Correct Factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	85.3210	-75.84	19.86	-55.98	-13.00	-42.98	peak
2	109.8700	-61.12	24.82	-36.30	-13.00	-23.30	peak
3	230.6889	-71.67	25.95	-45.72	-13.00	-32.72	peak
4	319.5776	-73.87	25.63	-48.24	-13.00	-35.24	peak
5	404.6482	-76.89	29.83	-47.06	-13.00	-34.06	peak
6	589.6468	-89.68	32.28	-57.40	-13.00	-44.40	peak
Note: When the read value of the test frequency does not exceed the peak limit, peak is used instead of RMS value.							