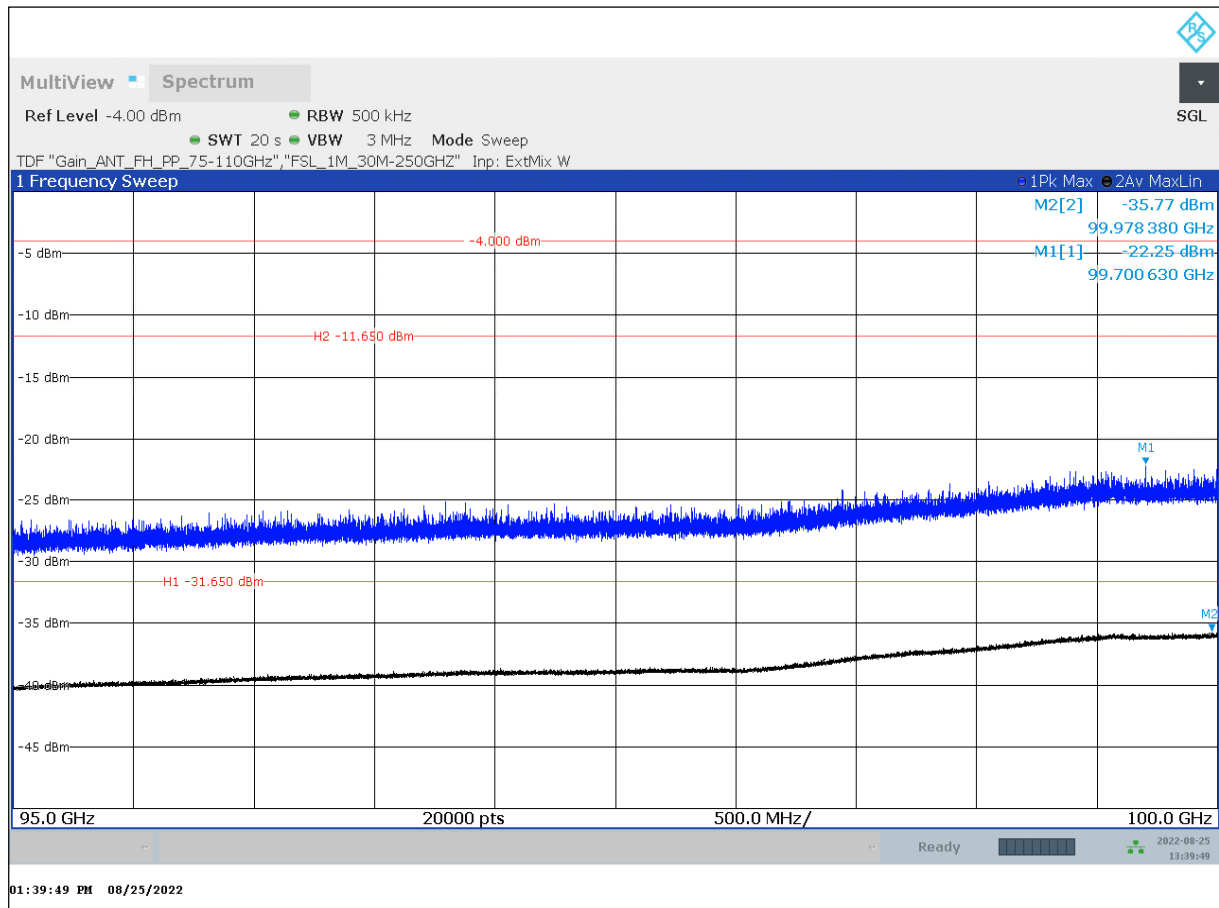


1.3.9 Emission measurements (95GHz < f < 100GHz)

Measurement distance=1m

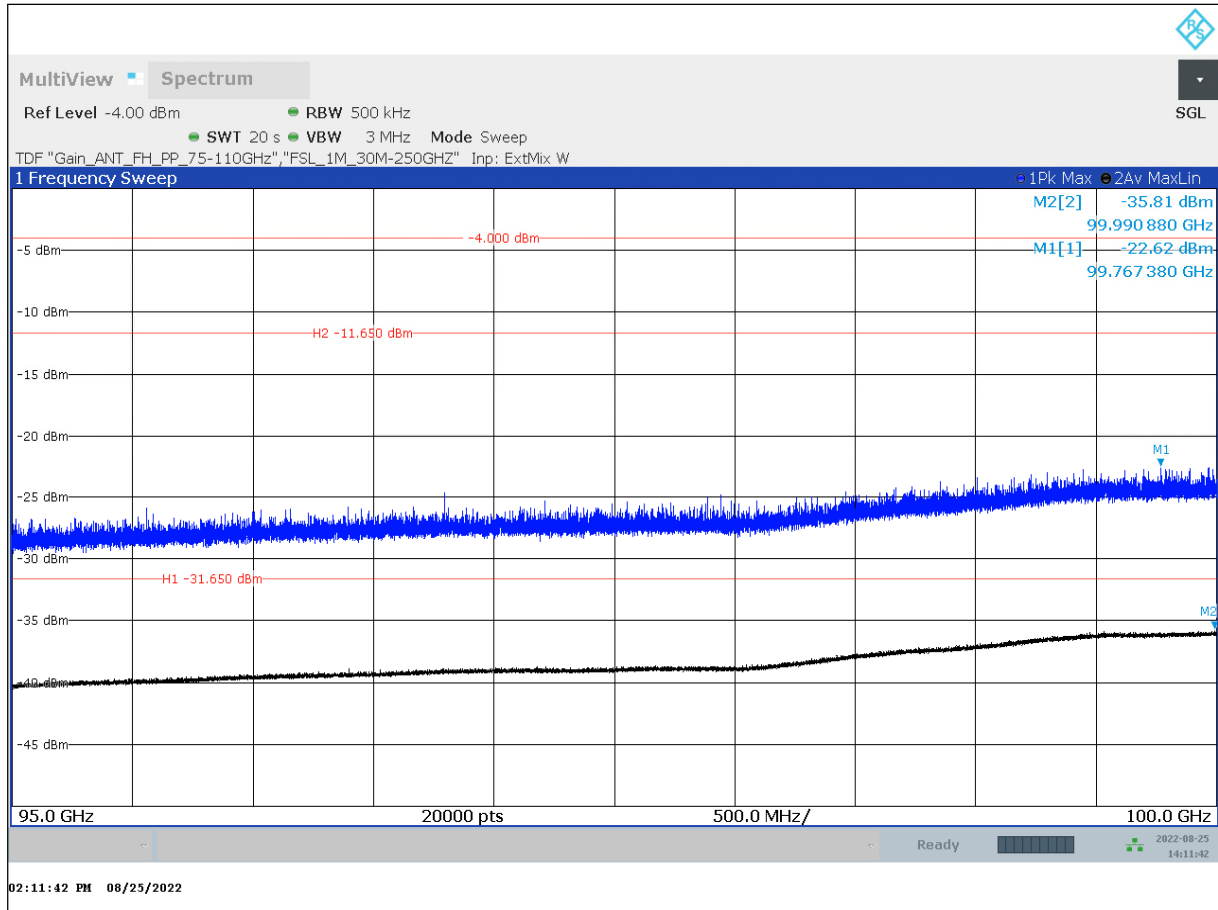
1.3.9.1 Antenna vertical, EUT laying

D135_15__T01_TX_RSE_95_100GHz_EUT_0_AntV



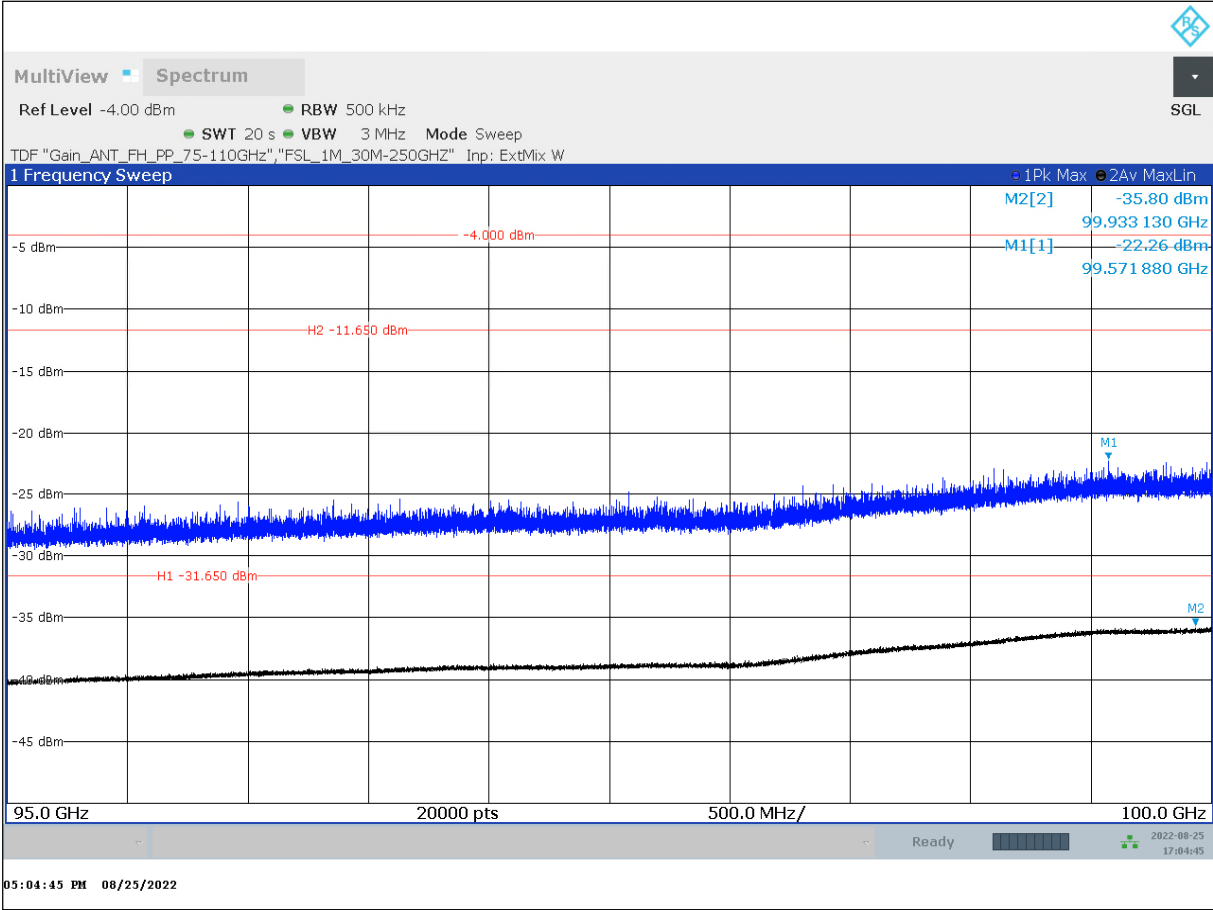
1.3.9.2 Antenna horizontal, EUT laying

D136_34__T01_TX_RSE_95_100GHz_EUT_0_AntH

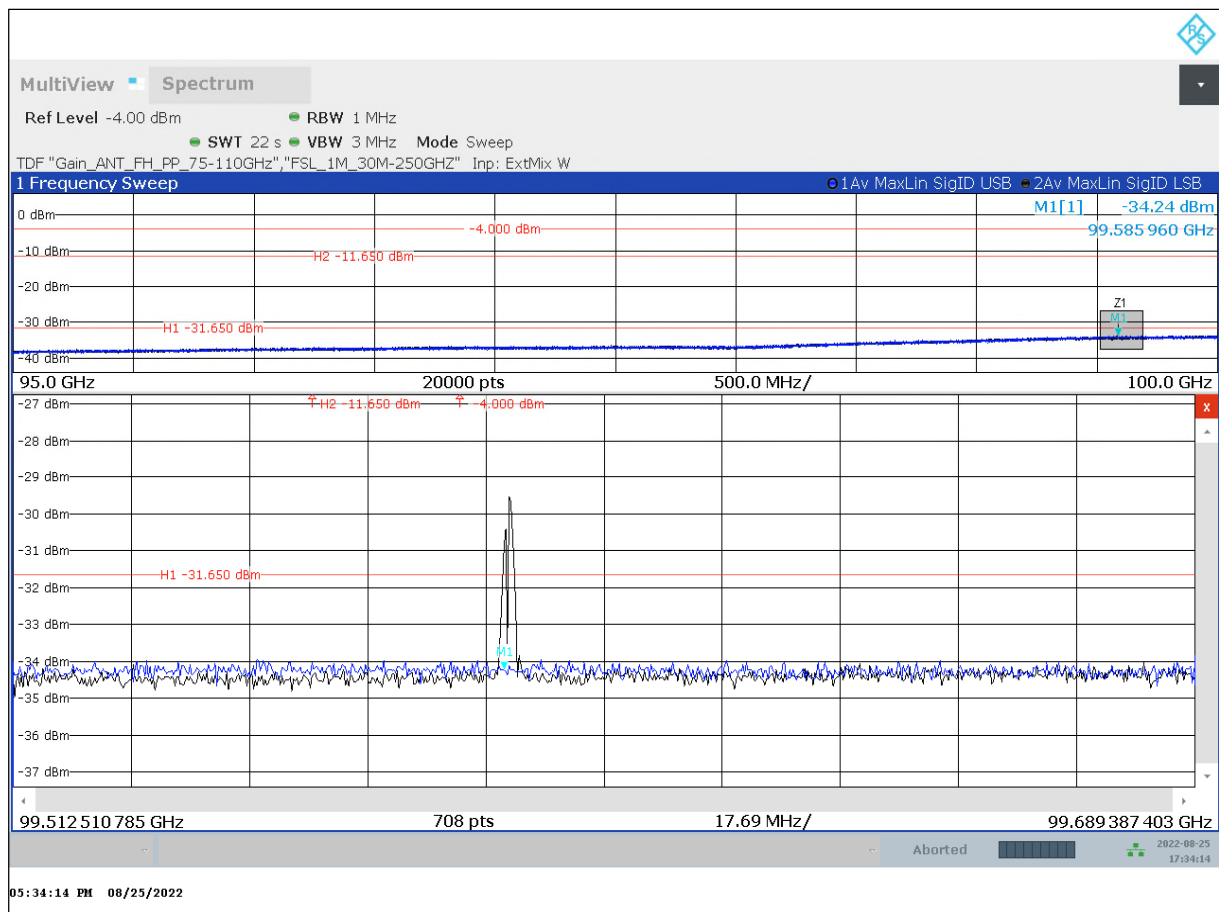


1.3.9.3 Antenna horizontal, EUT standing

D136_21_T01_TX_RSE_95_100GHz_EUT_90_AntH



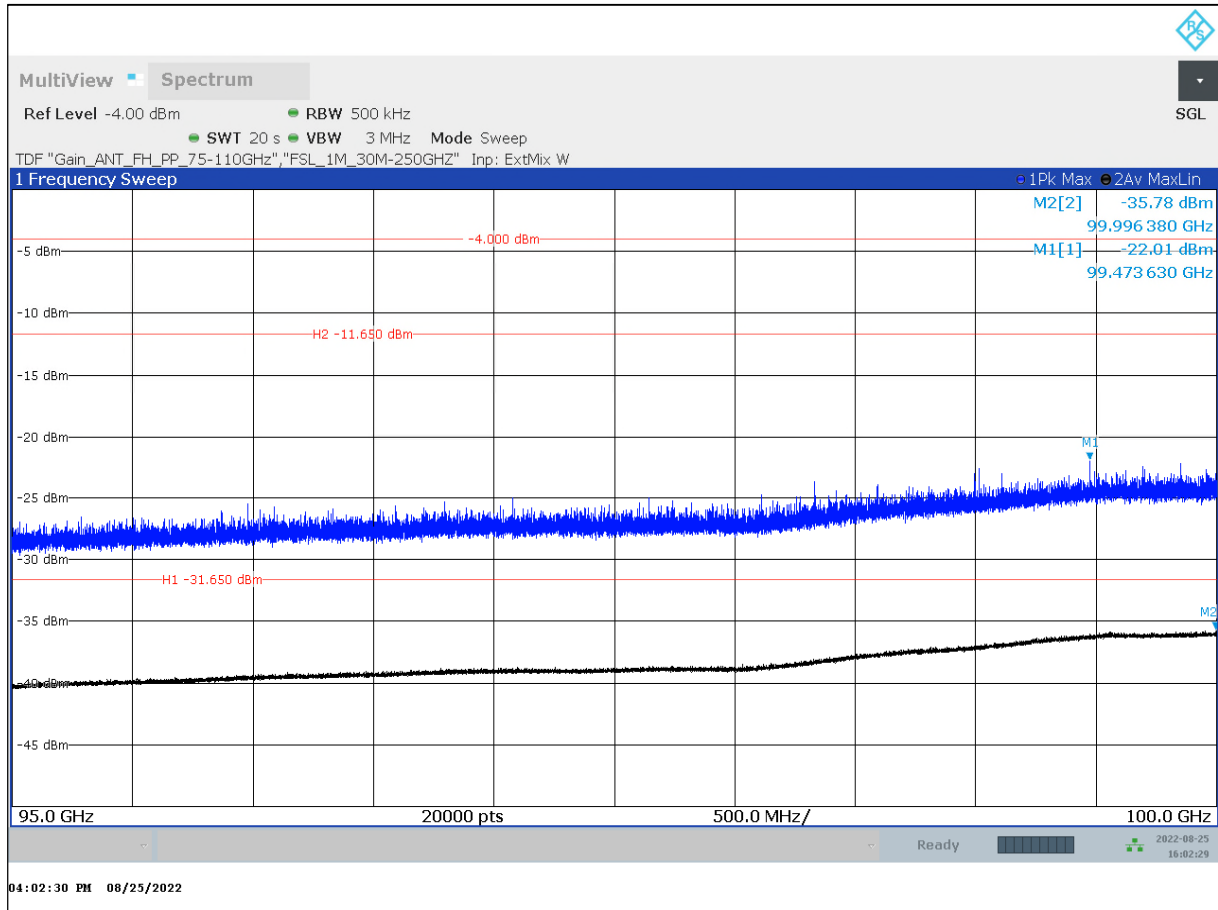
D136_21_Ghost1_Zoom_T01_TX_RSE_95_100GHz_EUT_90_AntH



➔ Ghost signal

1.3.9.4 Antenna vertical, EUT standing

D135_20__T01_TX_RSE_95_100GHz_EUT_90_AntV

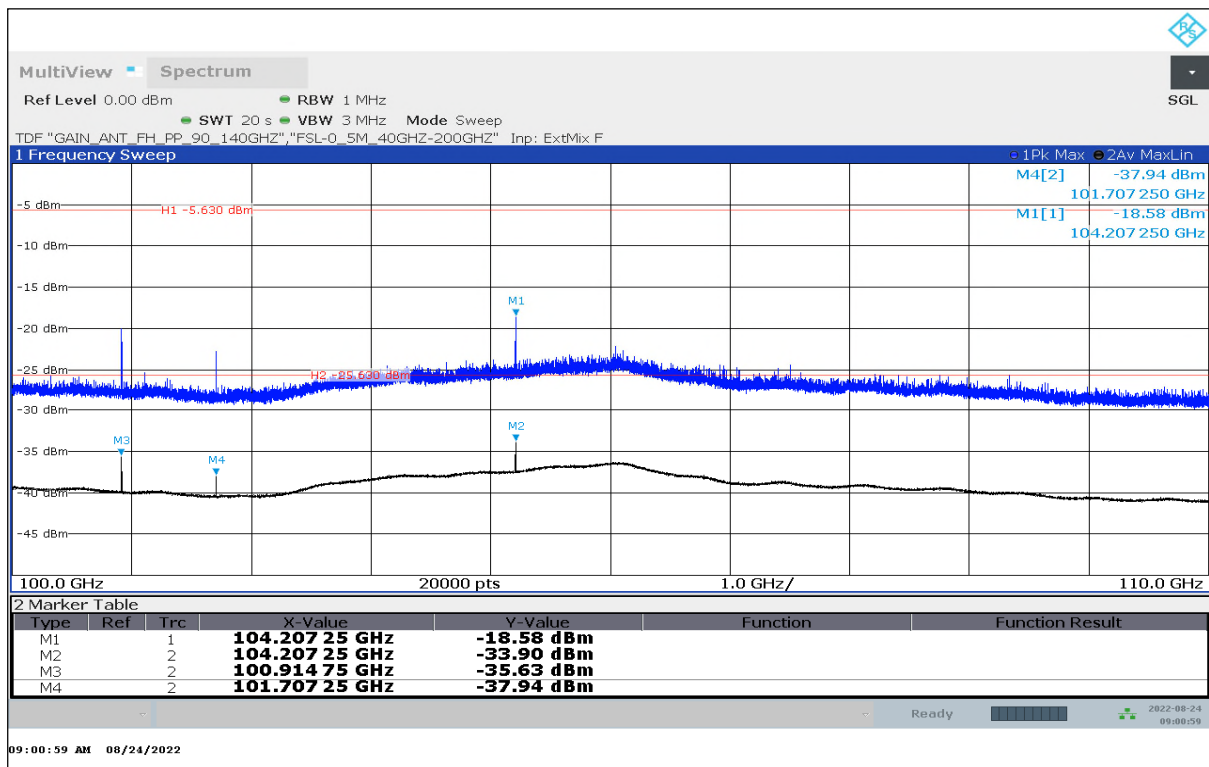


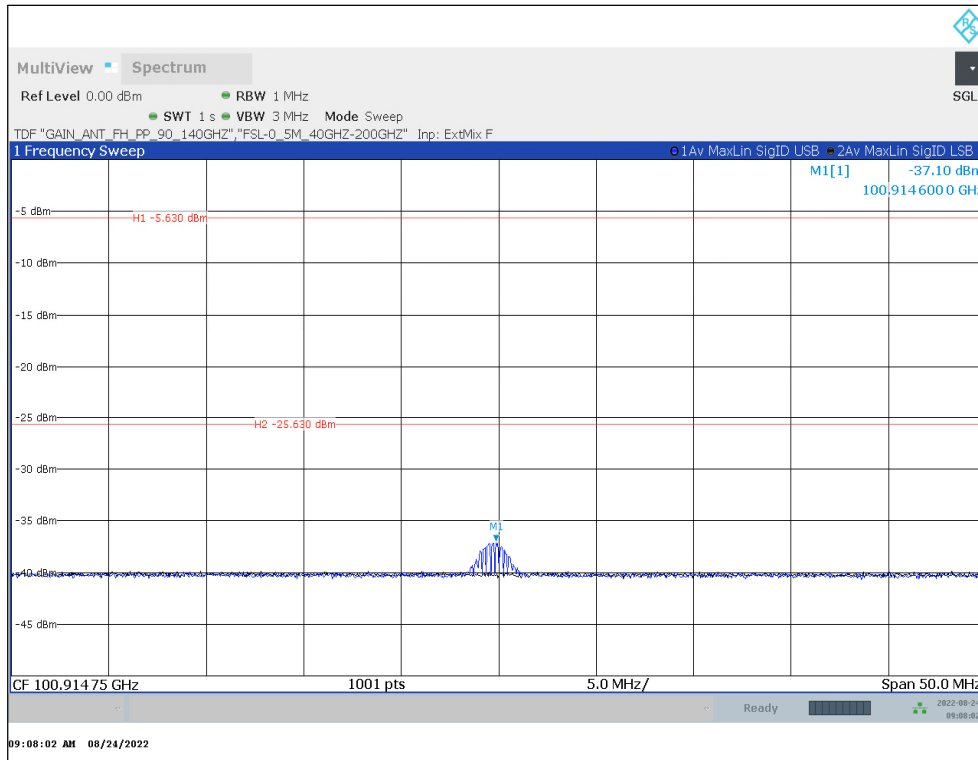
1.3.10 Emission measurements ($100\text{GHz} < f < 110\text{GHz}$)

$d_{\text{meas}}=0.5\text{m}$

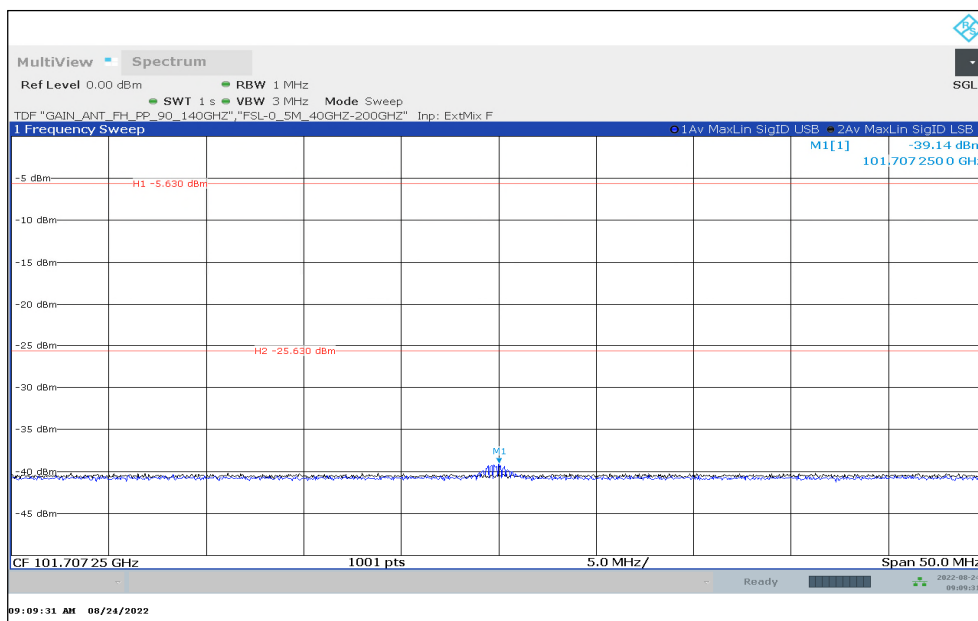
1.3.10.1 Antenna vertical, EUT laying

D137_10_Overview_T01_TX_RSE_100_110GHz_EUT_0_AntV



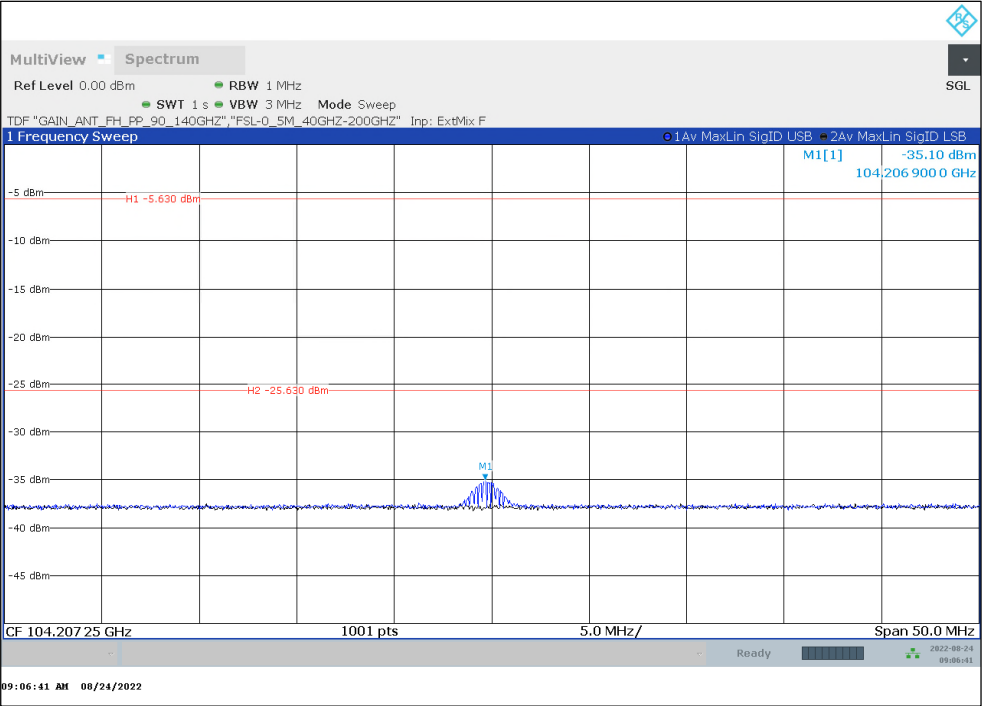
D137_10_100.91475GHz_T01_TX_RSE_100_110GHz_EUT_0_AntV

➔ Ghost signal

D137_10_101.70725GHz_T01_TX_RSE_100_110GHz_EUT_0_AntV

➔ Ghost signal

D137_10_104.20725_T01_TX_RSE_100_110GHz_EUT_0_AntV

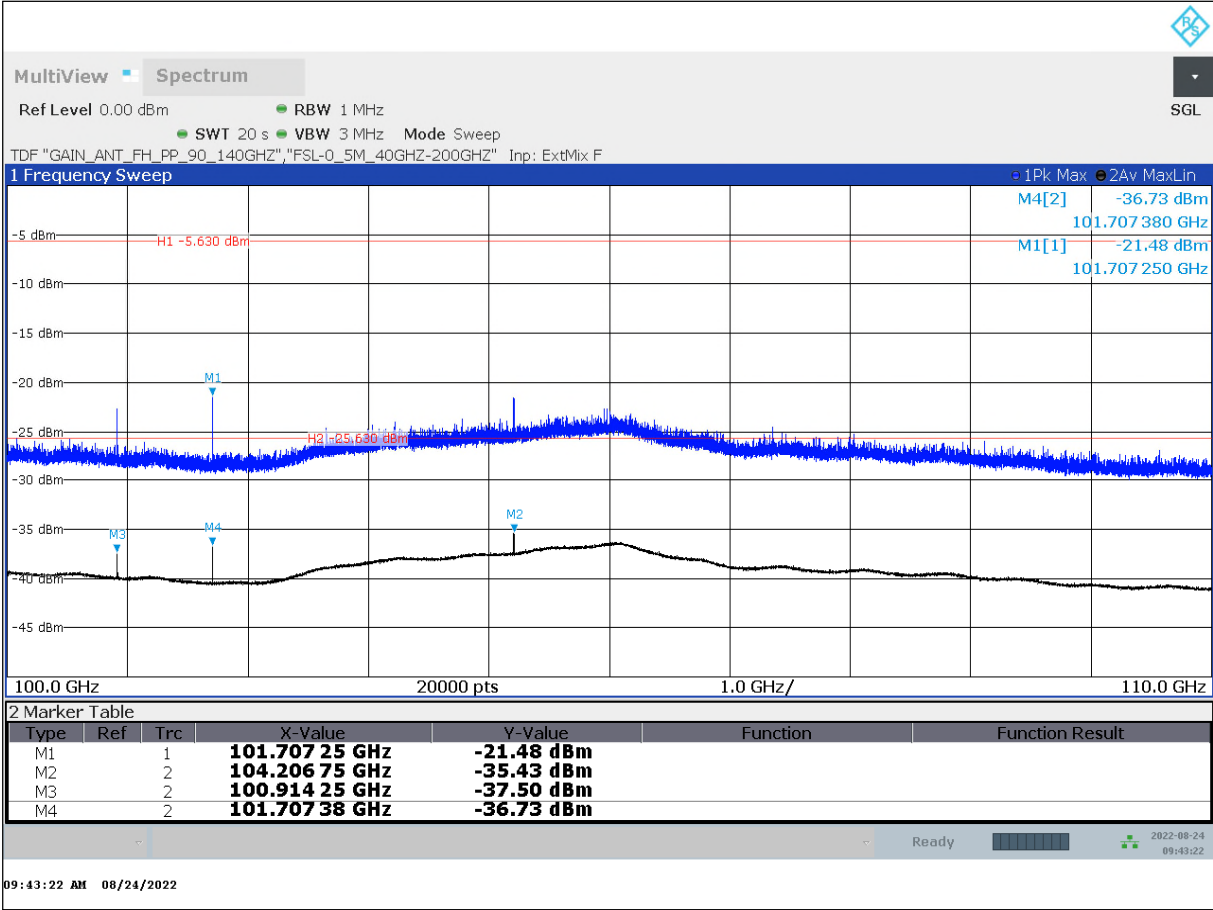


➔ Ghost signal

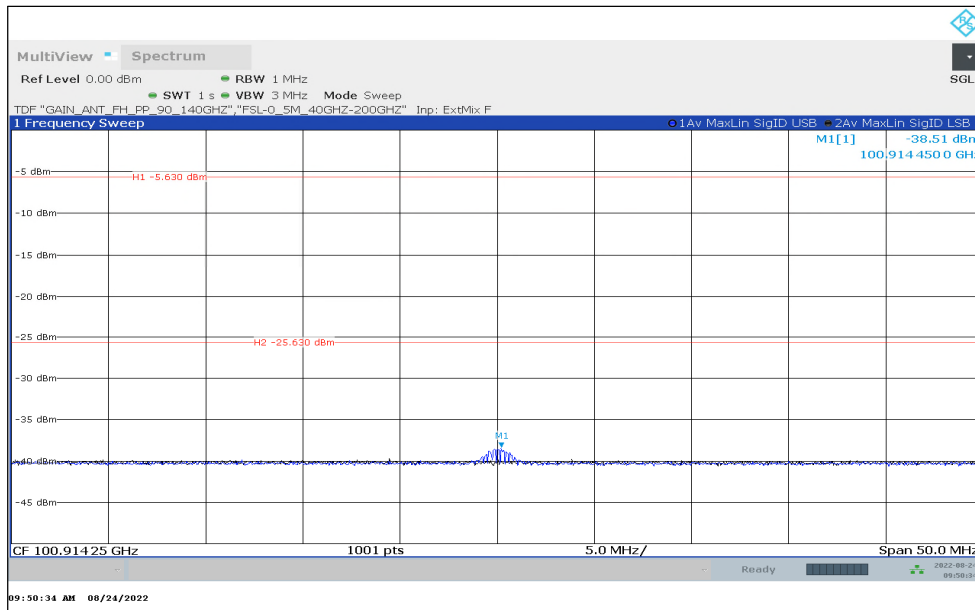
1.3.10.2 EUT laying / Antenna vertical

1.3.10.3 Antenna horizontal, EUT laying

D138_02__Overview_T01_TX_RSE_100_110GHz_EUT_0_AntH

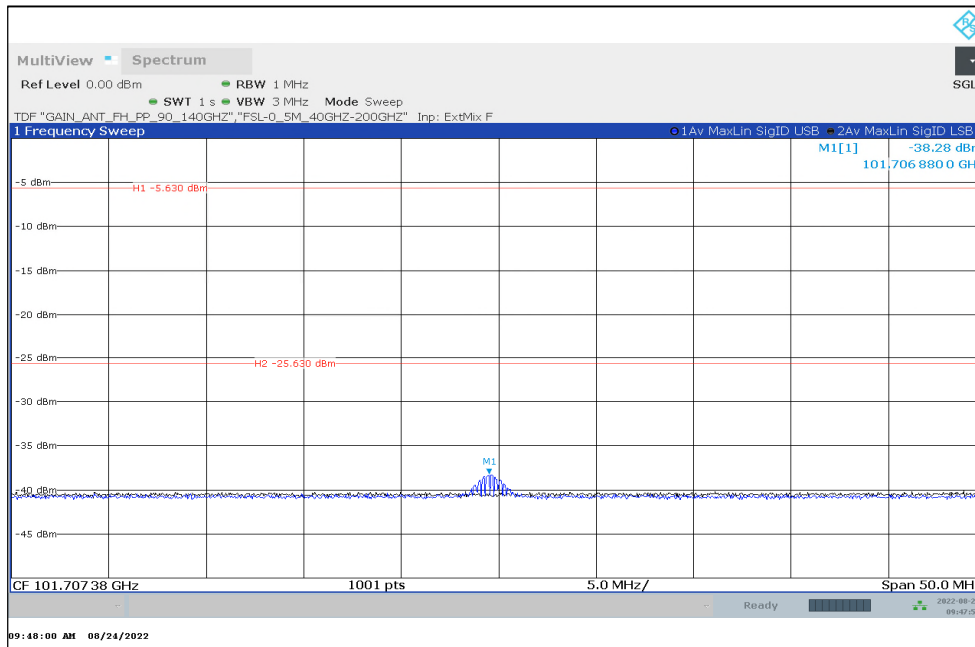


D138_02__100.91425GHz_T01_TX_RSE_100_110GHz_EUT_0_AntH



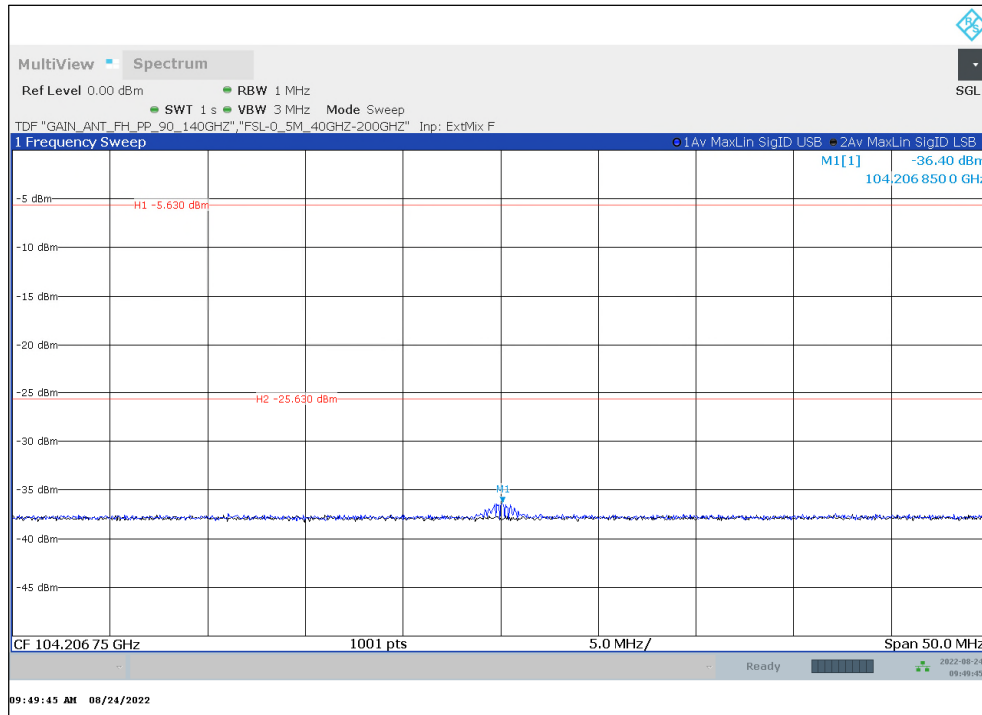
➔ Ghost signal

D138_02__101.70725GHz_T01_TX_RSE_100_110GHz_EUT_0_AntH



➔ Ghost signal

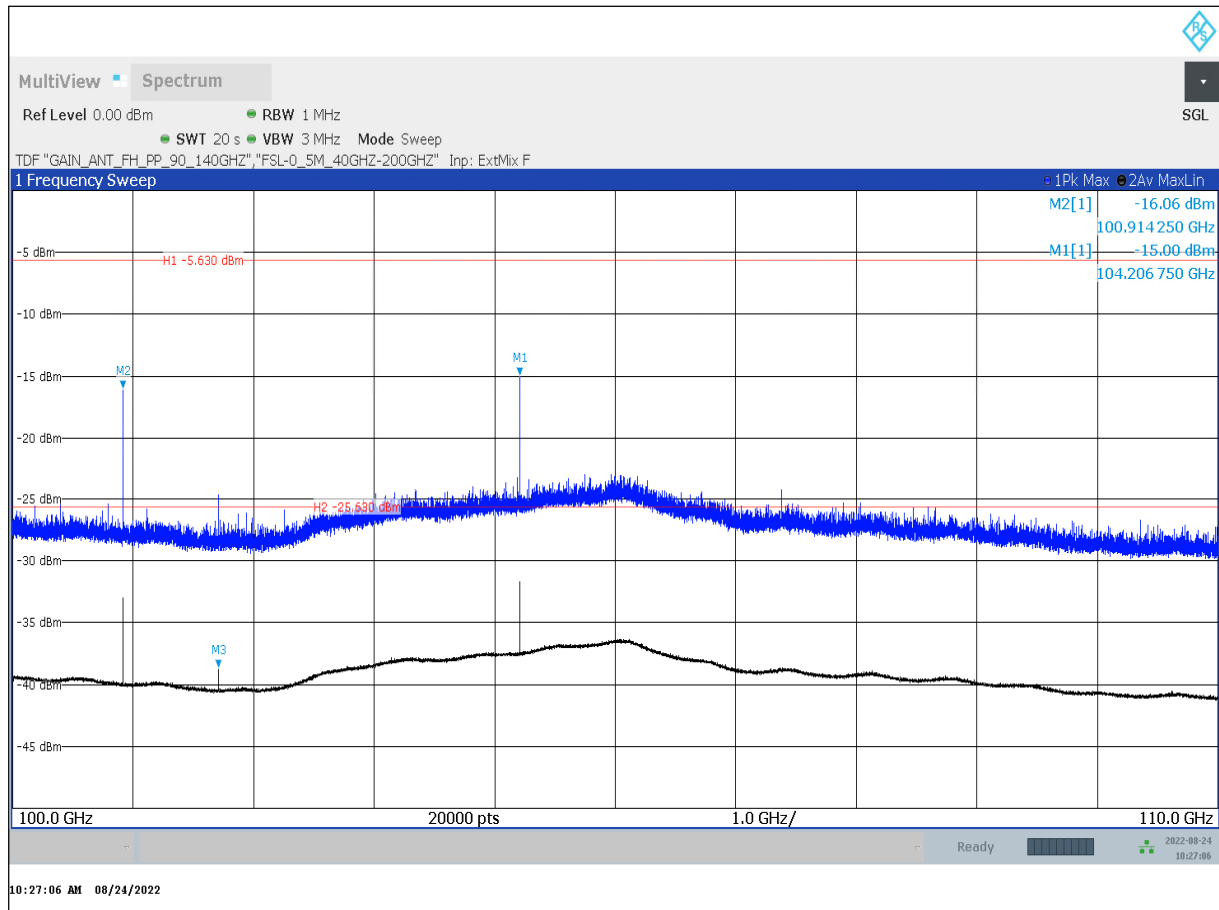
D138_02__104.20675GHz_T01_TX_RSE_100_110GHz_EUT_0_AntH

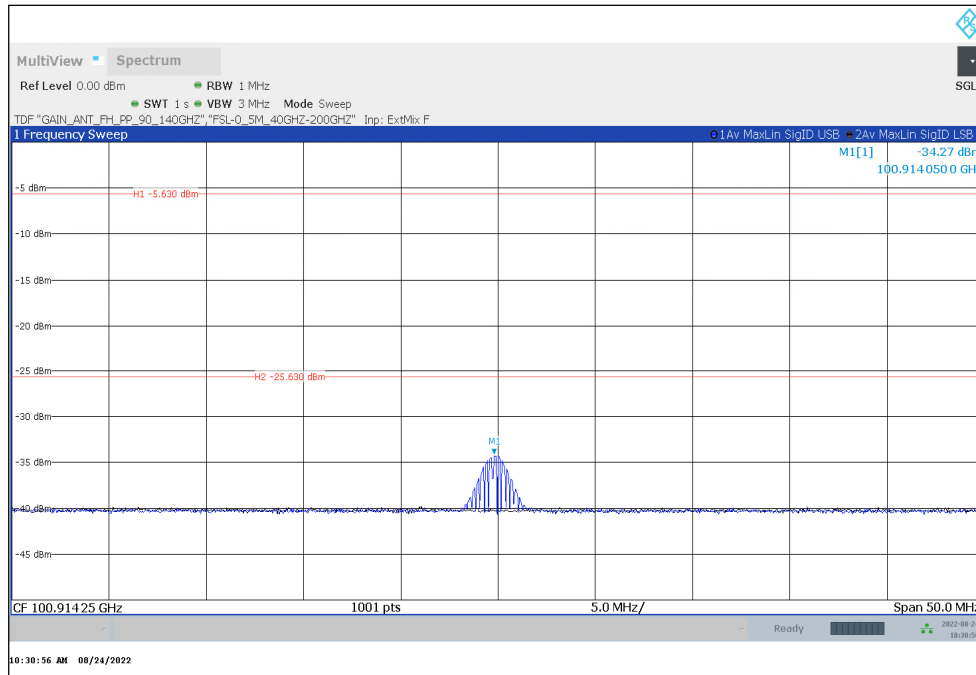


➔ Ghost signal

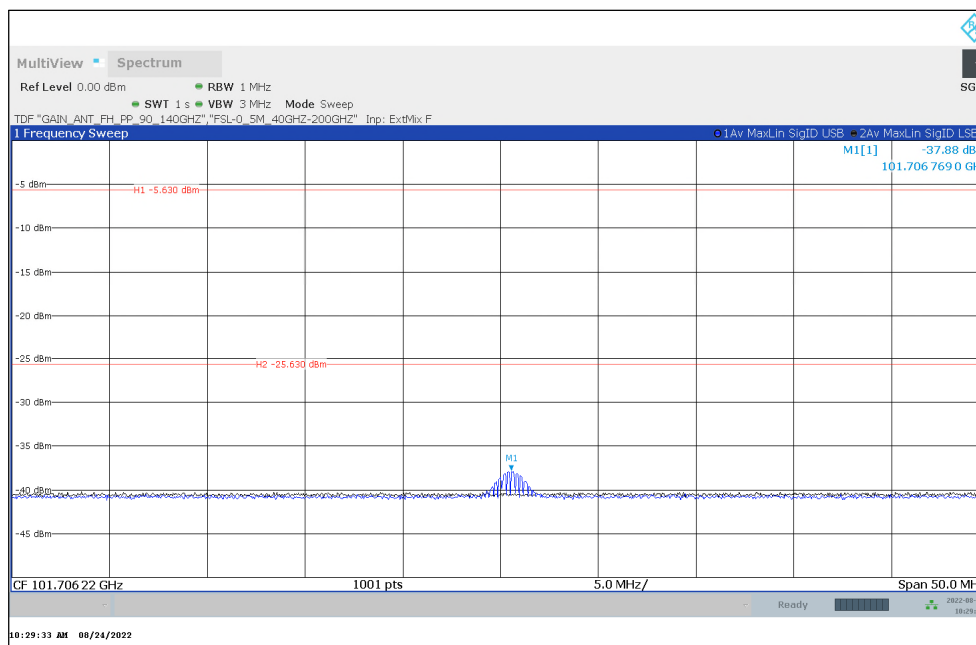
1.3.10.4 Antenna horizontal, EUT standing

D138_03__Overview_T01_TX_RSE_100_110GHz_EUT_90_AntH



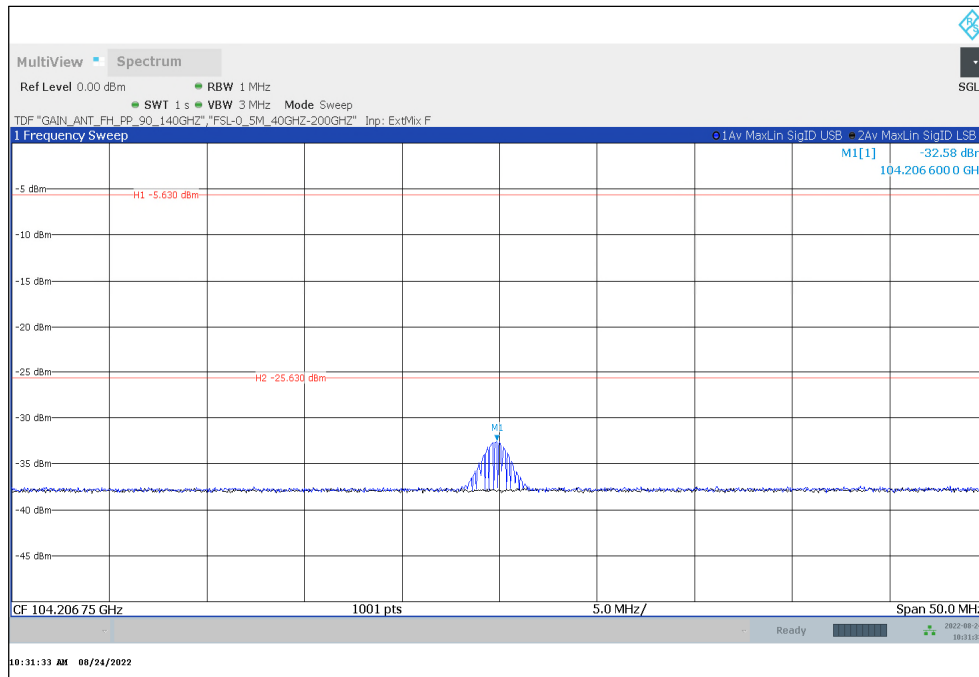
D138_03__100.91425GHz_T01_TX_RSE_100_110GHz_EUT_90_AntH

➔ Ghost signal

D138_03__101.7067690GHz_T01_TX_RSE_100_110GHz_EUT_90_AntH

->Ghost signal

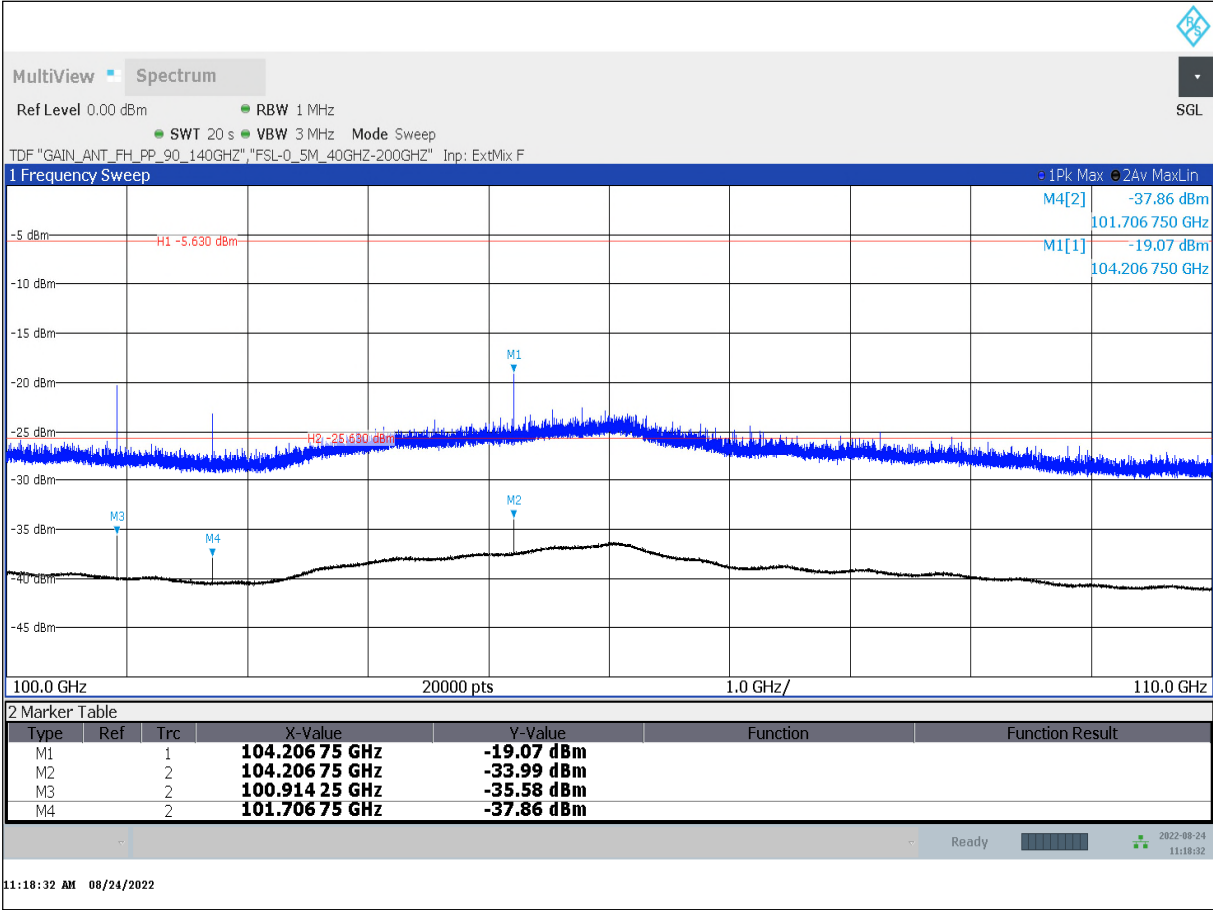
D138_03__104.20675GHz_T01_TX_RSE_100_110GHz_EUT_90_AntH

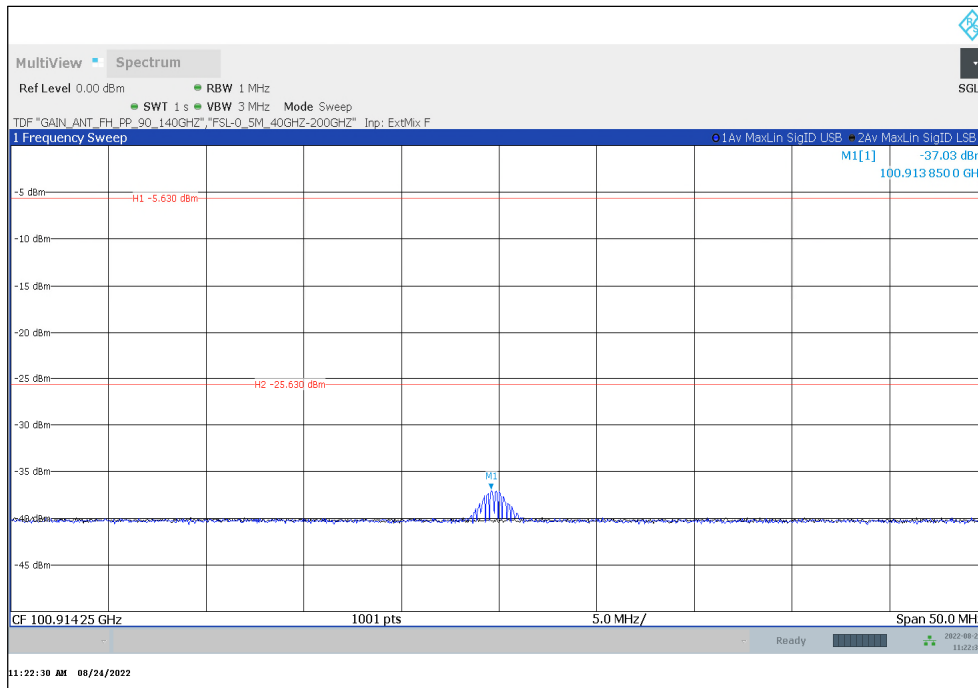


➔ Ghost signal

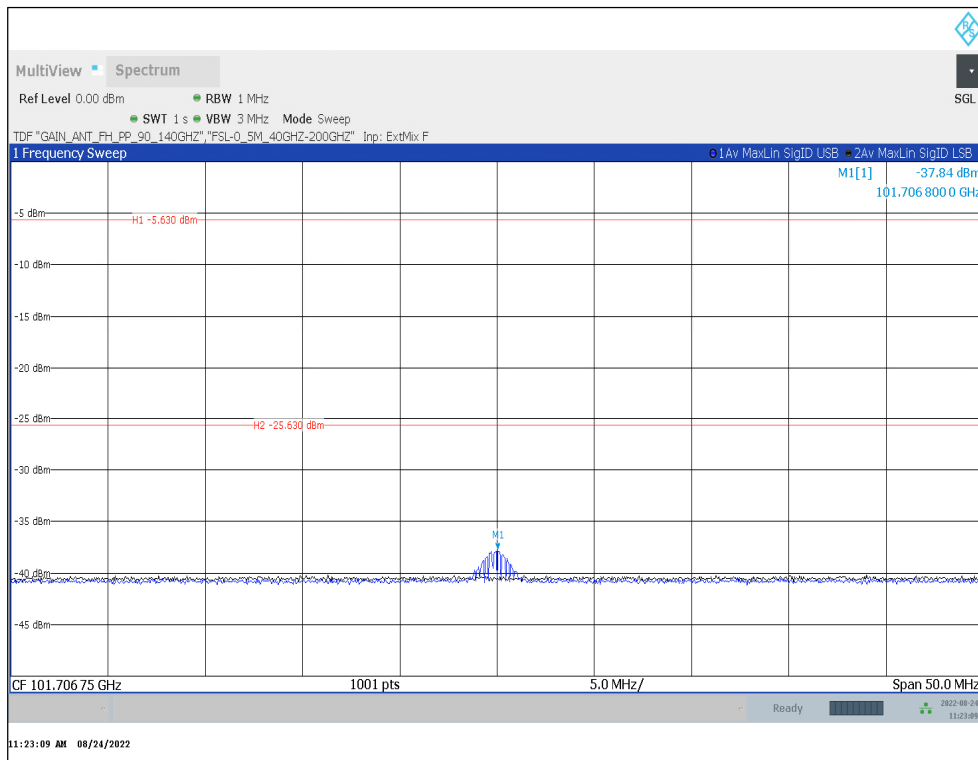
1.3.10.5 Antenna vertical, EUT standing

D137_12__Overview_T01_TX_RSE_100_110GHz_EUT_90_AntV

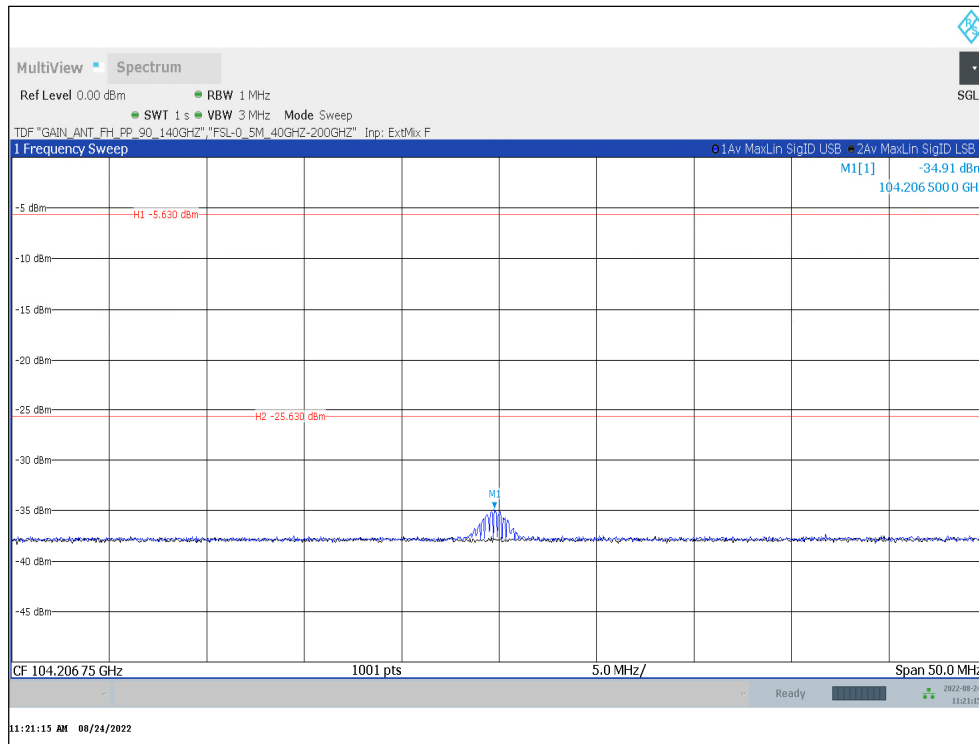


D137_12__100.91425GHz_T01_TX_RSE_100_110GHz_EUT_90_AntV

➔ Ghost signal

D137_12__101.70675GHz_T01_TX_RSE_100_110GHz_EUT_90_AntV

➔ Ghost signal

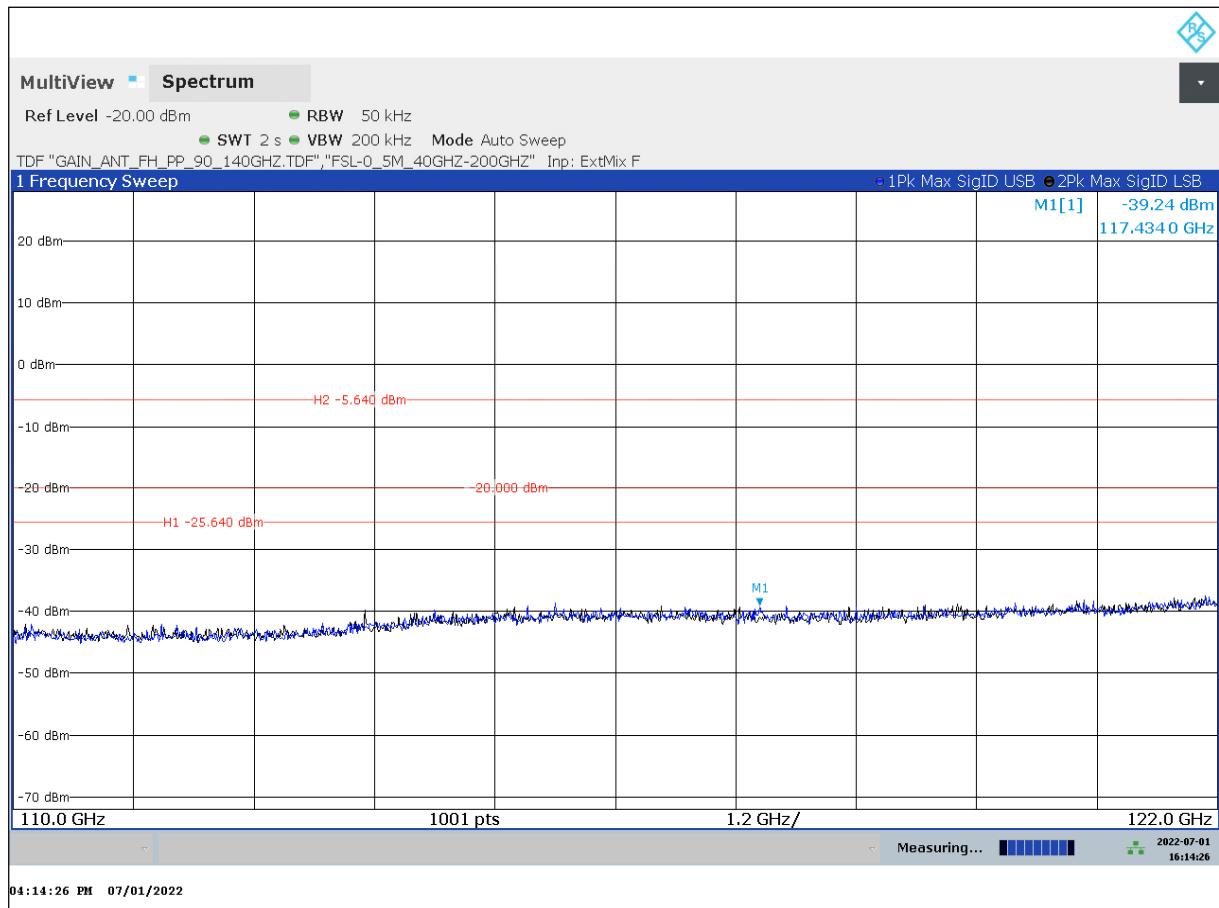
D137_12__104.2065GHz_T01_TX_RSE_100_110GHz_EUT_90_AntV

➔ Ghost signal

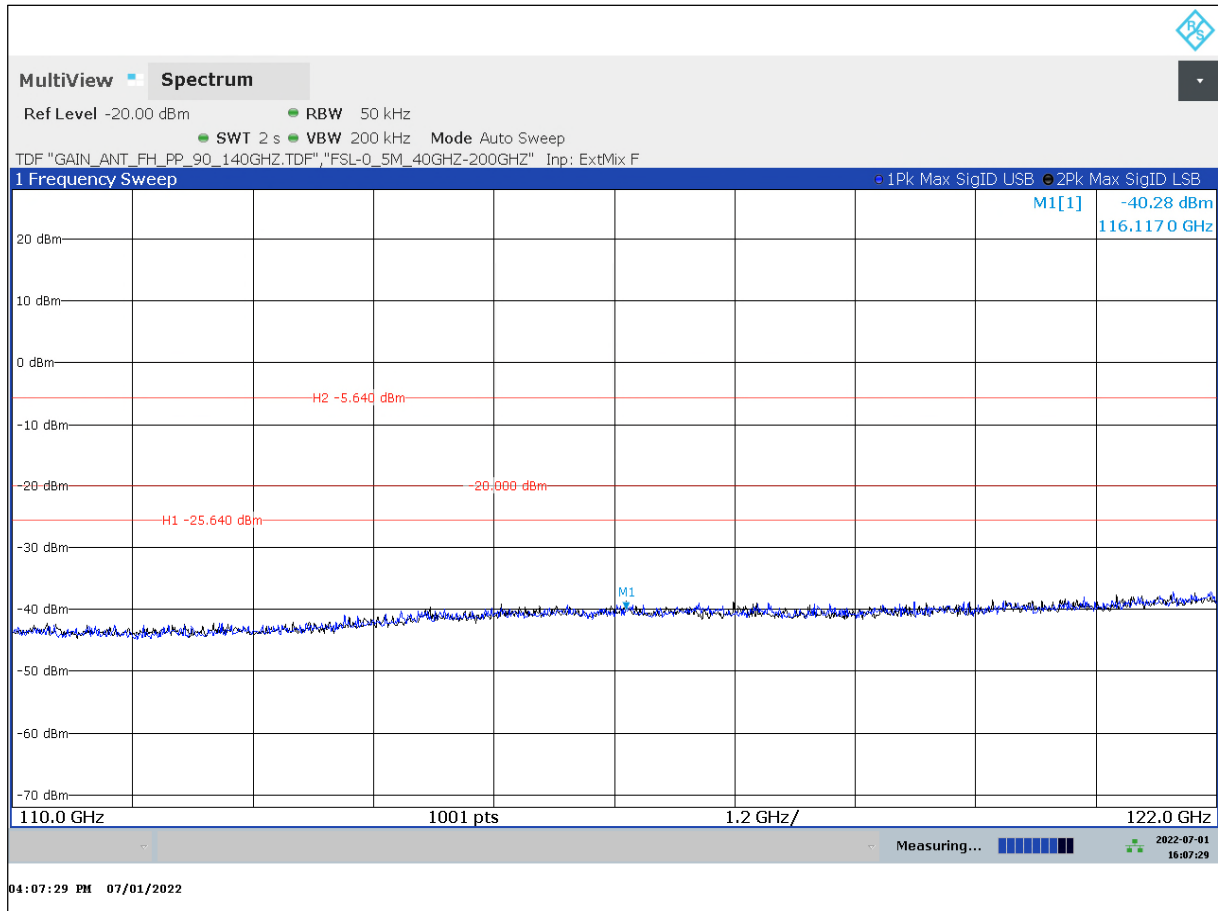
1.3.11 Emission measurements ($110\text{GHz} < f < 122\text{GHz}$)

$d_{\text{meas}}=0.5\text{m}$

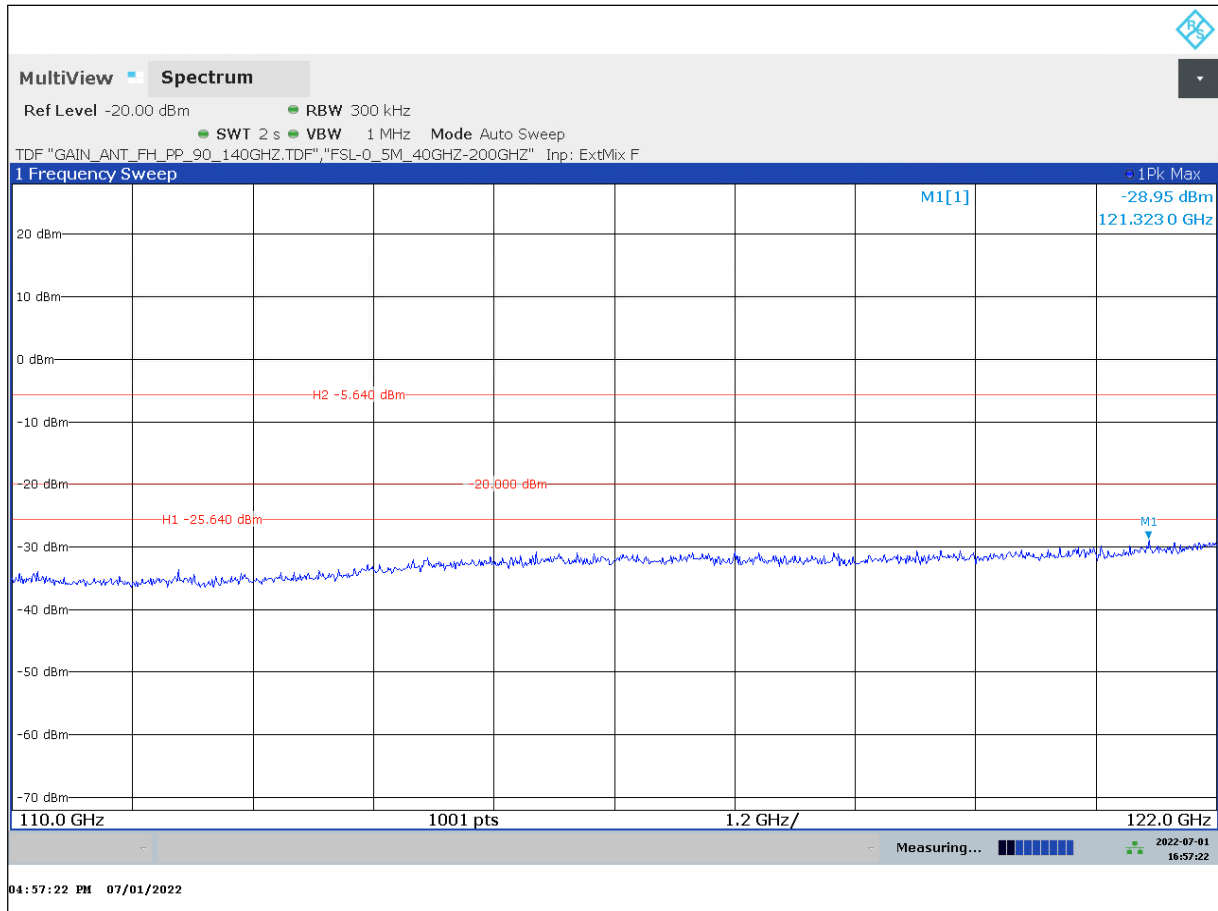
D139_01_T01_TX_RSE_110G_122GHz_EUT_90_TT0-360_Ant_V



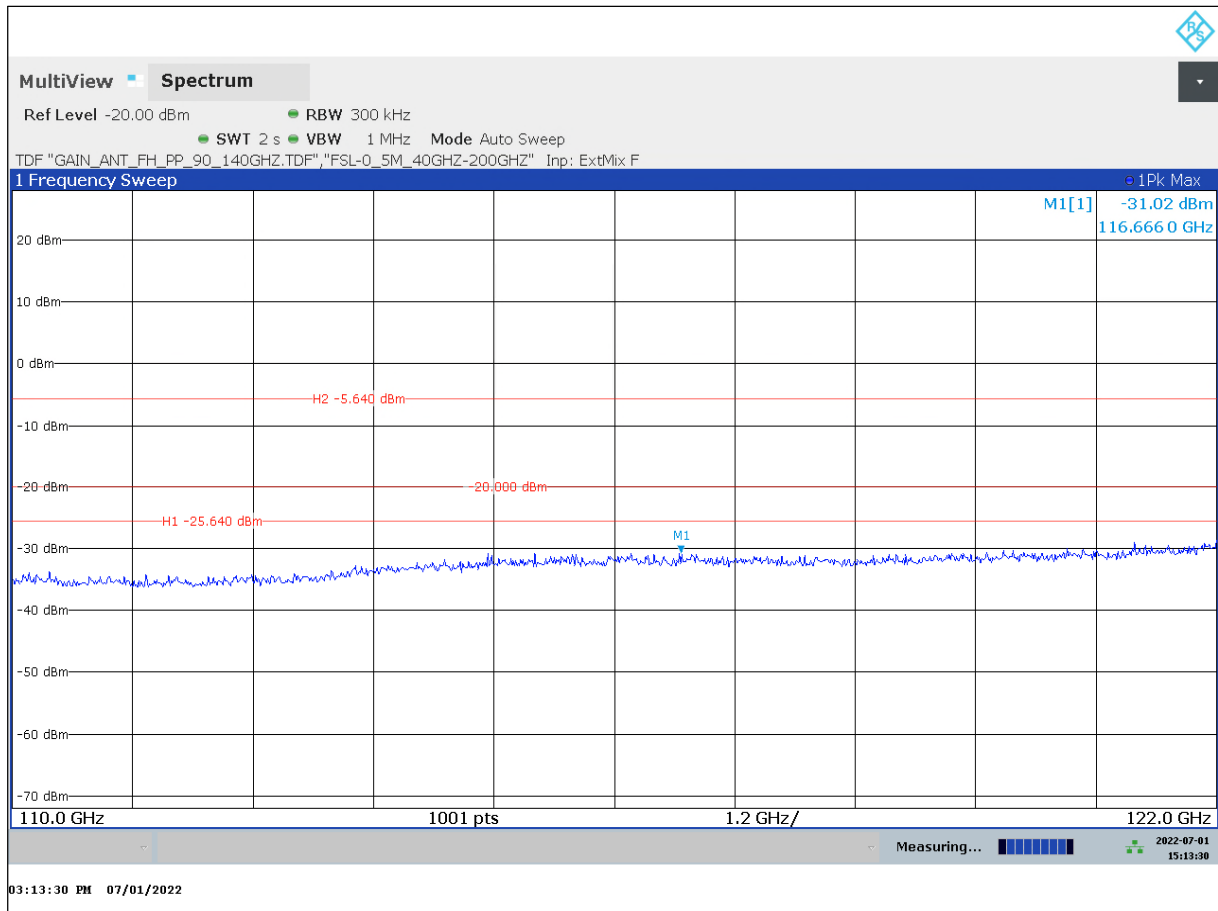
D139_04_T01_TX_RSE_110G_122GHz_EUT_0_TT0-360_Ant_V



D140_01_T01_TX_RSE_110G_122GHz_EUT_90_TT0-360_Ant_H



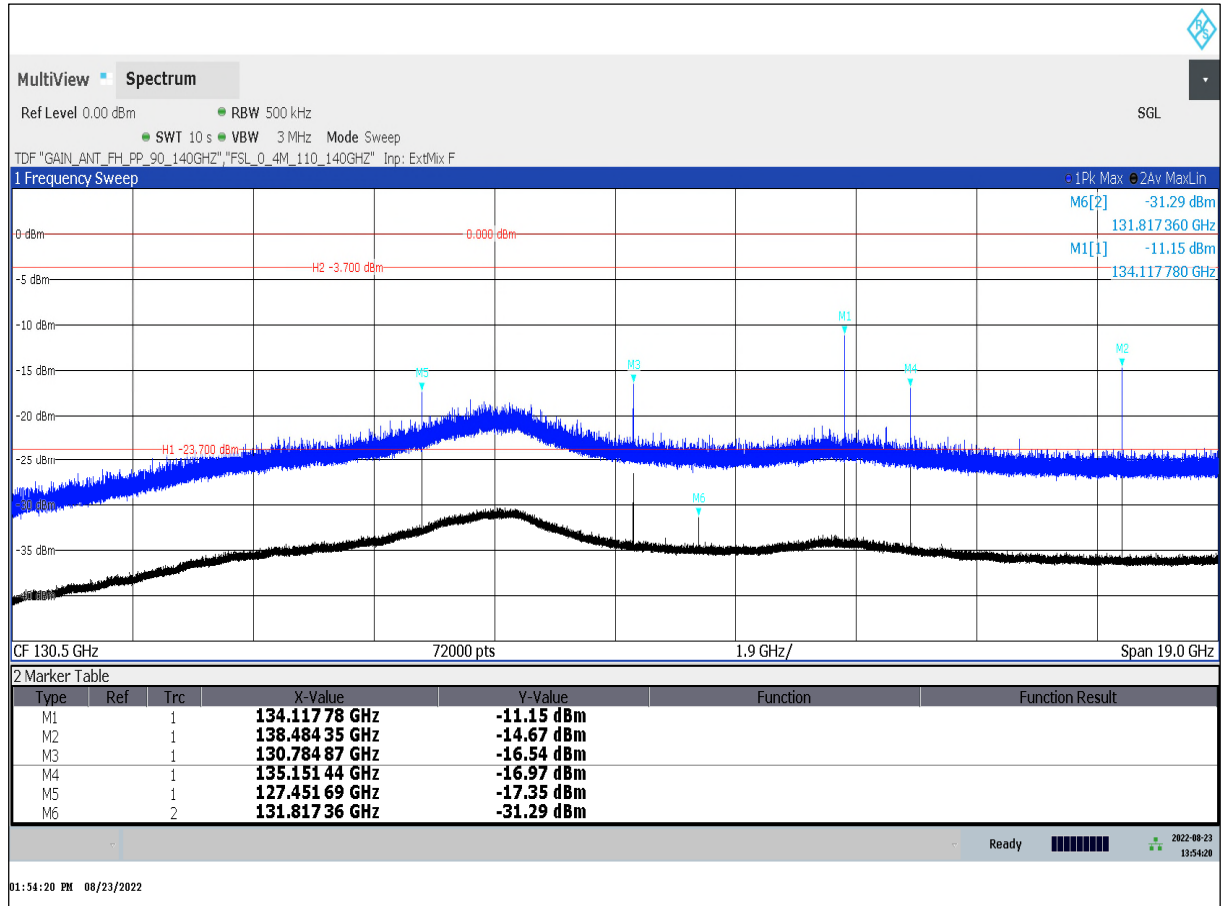
D140_04_T01_TX_RSE_110G_122GHz_EUT_0_TT0-360_Ant_H



1.3.12 Emission measurements (121GHz < f < 140GHz)

1.3.12.1 EUT standing / Antenna horizontal

D139_06_Overview_T01_TX_RSE_122_140GHz_EUT_90_AntH



MultiView ☐ Spectrum

Ref Level 0.00 dBm RBW 100 kHz
SWT 1 s VBW 3 MHz Mode Sweep

TDF "GAIN_ANT_FH_PP_90_140GHz" "FSL_O_4M_110_140GHz" Inp: ExtMix F

1 Frequency Sweep : 1Pk Max SigID USB 2Pk Max SigID LSB

The spectrum plot displays a noise floor around -30 dBm. Two harmonic signals are identified: H1 at -23.700 dBm and H2 at -3.700 dBm. The plot includes a frequency sweep from 127.45169 GHz to 127.45269 GHz with a span of 10.0 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 3 MHz. The sweep mode is set to 'Sweep'.

0 dBm
-5 dBm
-10 dBm
-15 dBm
-20 dBm
-25 dBm
-30 dBm
-35 dBm
-40 dBm

H2 -3.700 dBm
H1 -23.700 dBm
0.000 dBm

CF 127.45169 GHz 1001 pts 1.0 MHz/ Span 10.0 MHz

Ready 2022-08-21 18:03:02

MultiView ☒ Spectrum

Ref Level 0.00 dBm RBW 500 kHz

SWT 1 s VBW 3 MHz Mode Sweep

TDF "GAIN_ANT_FH_PP_90_140GHZ" "FSL_0_4M_110_140GHZ" Inp: ExtMix F

1 Frequency Sweep

1Pk Max SigID USB 2Pk Max SigID LSB

0 dBm -24.85 dBm M6[2] 130.8098700 GHz

-5 dBm -14.22 dBm M1[1] 130.7842710 GHz

-10 dBm

-15 dBm

-20 dBm

-25 dBm

-30 dBm

-35 dBm

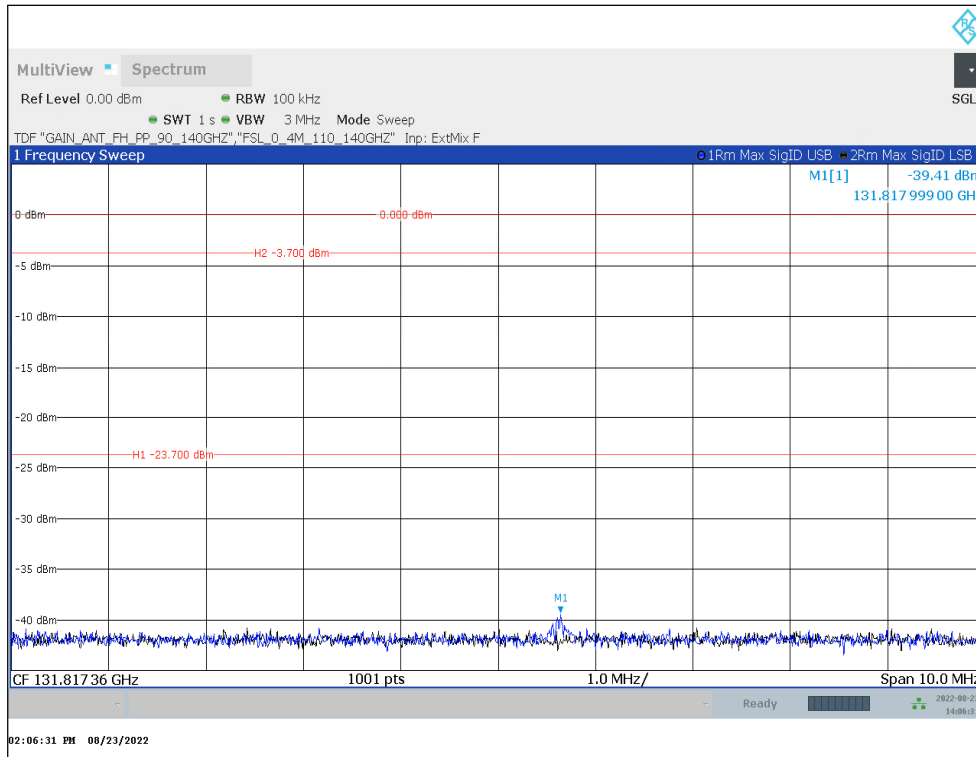
-40 dBm

CF 130.78487 GHz 1001 pts 5.0 MHz/ Span 50.0 MHz

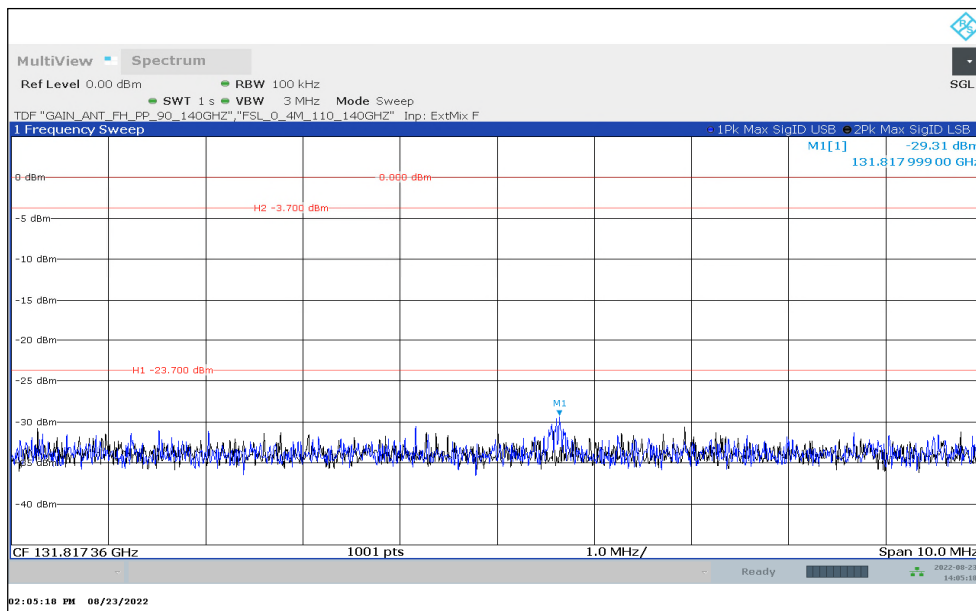
2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		130.784271 GHz	-14.22 dBm		
M2	1		130.80987 GHz	-26.54 dBm		
M3	1		130.784868 GHz	-25.91 dBm		
M4	1		130.80987 GHz	-26.54 dBm		
M5	1		130.75987 GHz	-26.24 dBm		
M6	2		130.80987 GHz	-24.85 dBm		

75 / 110

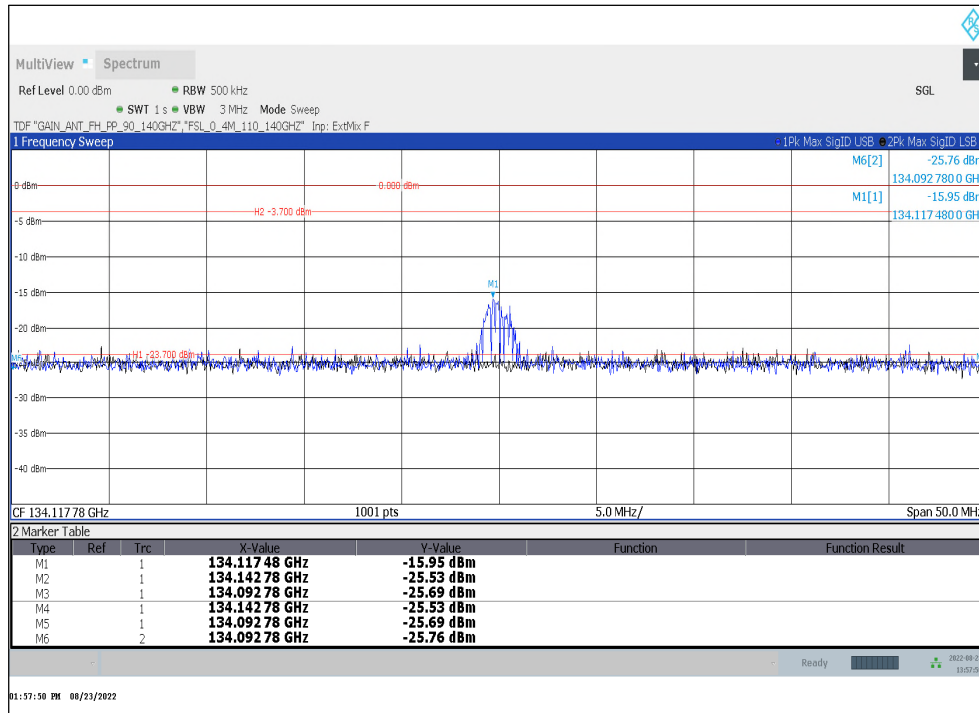
D139_06_131.817999_02_GHz__T01_TX_RSE_122_140GHz_EUT_90_Anth

➔ Ghost signal

D139_06_131.817999GHz__T01_TX_RSE_122_140GHz_EUT_90_Anth

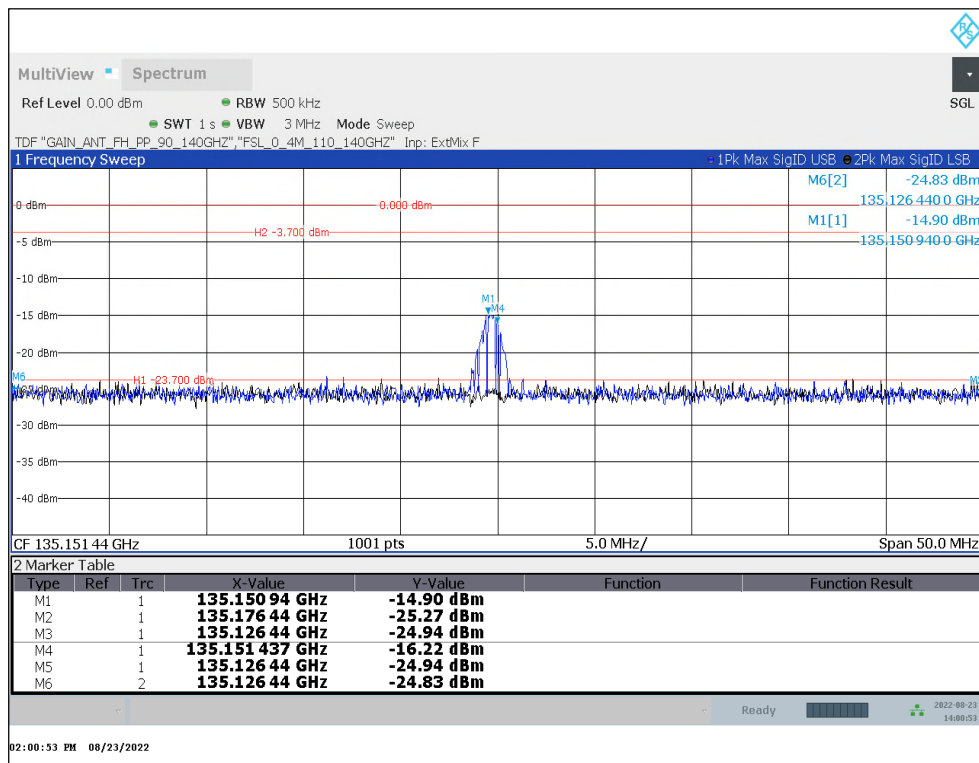
➔ Ghost signal

D139_06_134.11748GHz__T01_TX_RSE_122_140GHz_EUT_90_AntH



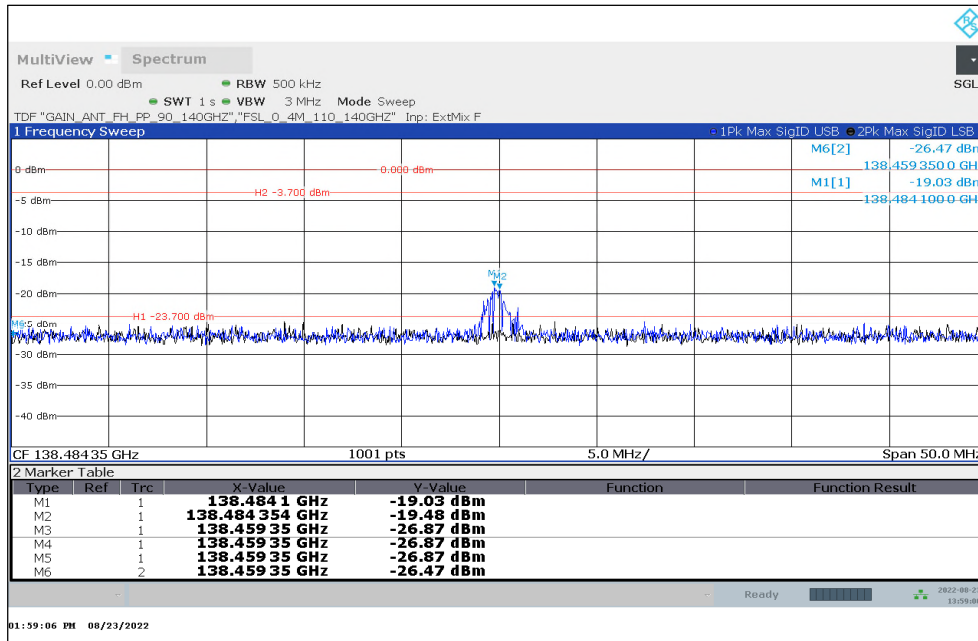
➔ Ghost signal

D139_06_135.15144GHz__T01_TX_RSE_122_140GHz_EUT_90_AntH



➔ Ghost signal

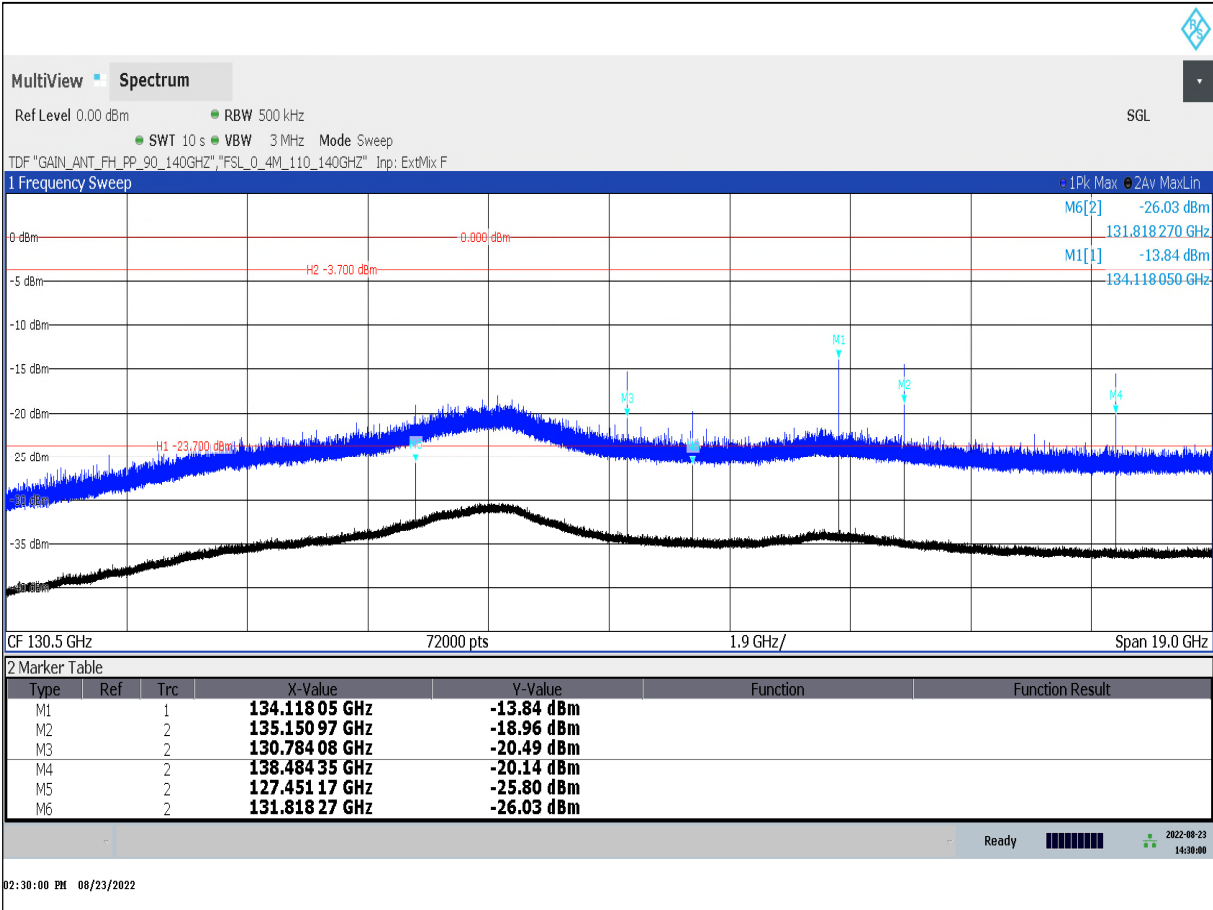
D139_06_138.48435GHz__T01_TX_RSE_122_140GHz_EUT_90_AntH



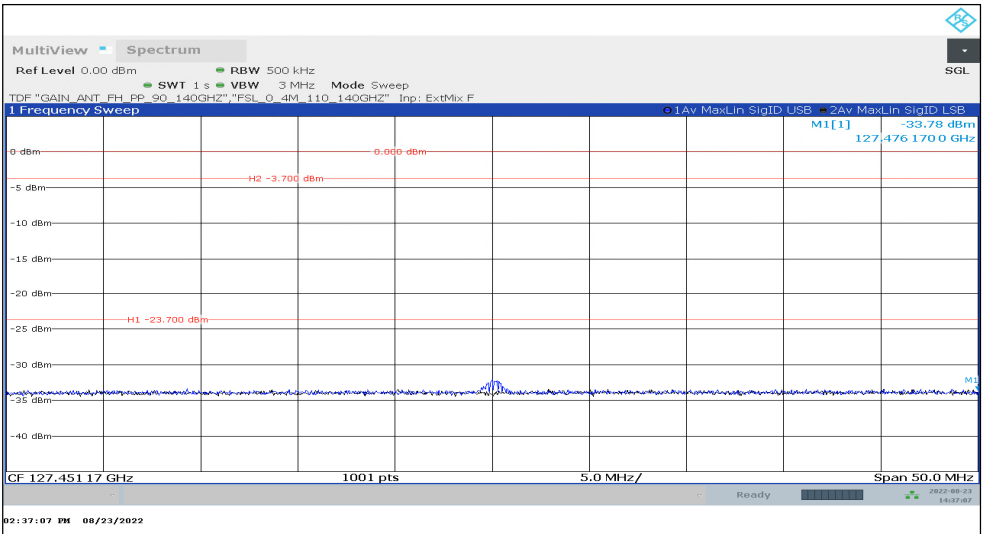
➔ Ghost signal

1.3.12.2 EUT standing / Antenna vertical

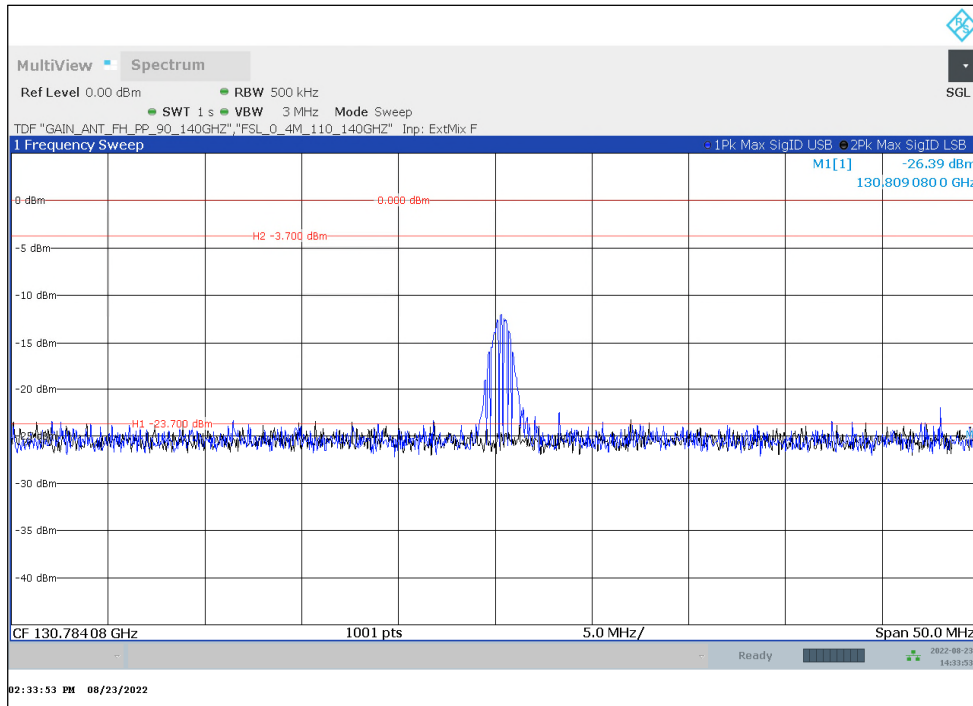
D139_07_Overview_T01_TX_RSE_122_140GHz_EUT_90_AntV



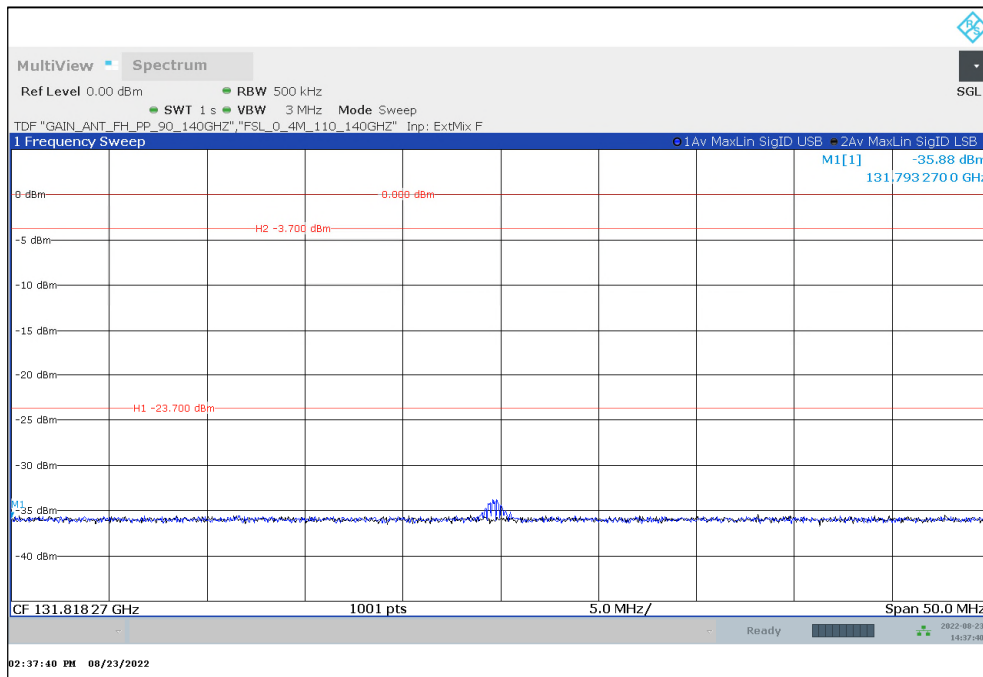
D139_07_127.45117GHz__T01_TX_RSE_122_140GHz_EUT_90_AntV



➔ Ghost signal

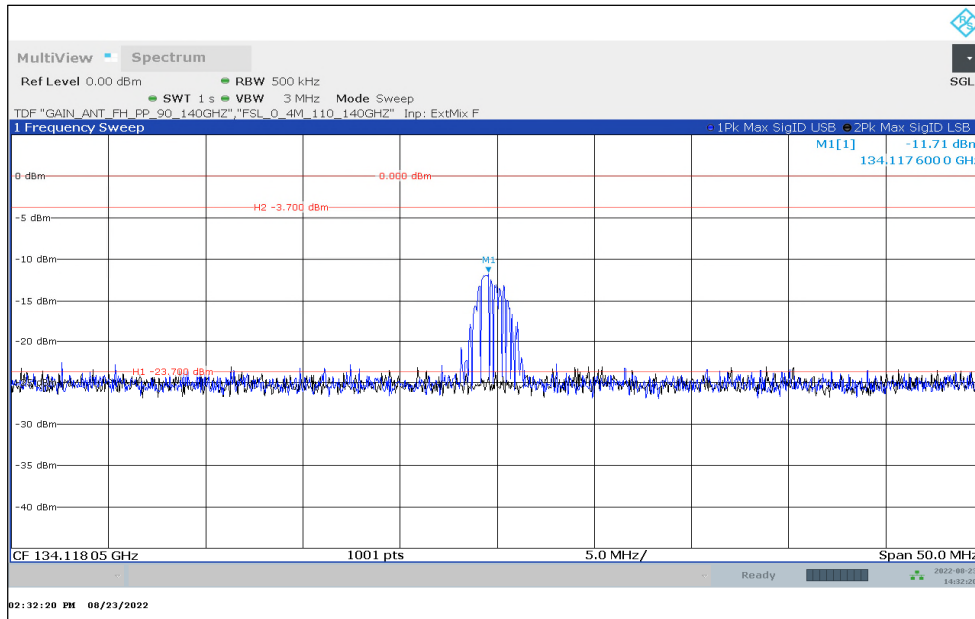
D139_07_130.78408GHz__T01_TX_RSE_122_140GHz_EUT_90_AntV

➔ Ghost signal

D139_07_131.81827GHz__T01_TX_RSE_122_140GHz_EUT_90_AntV

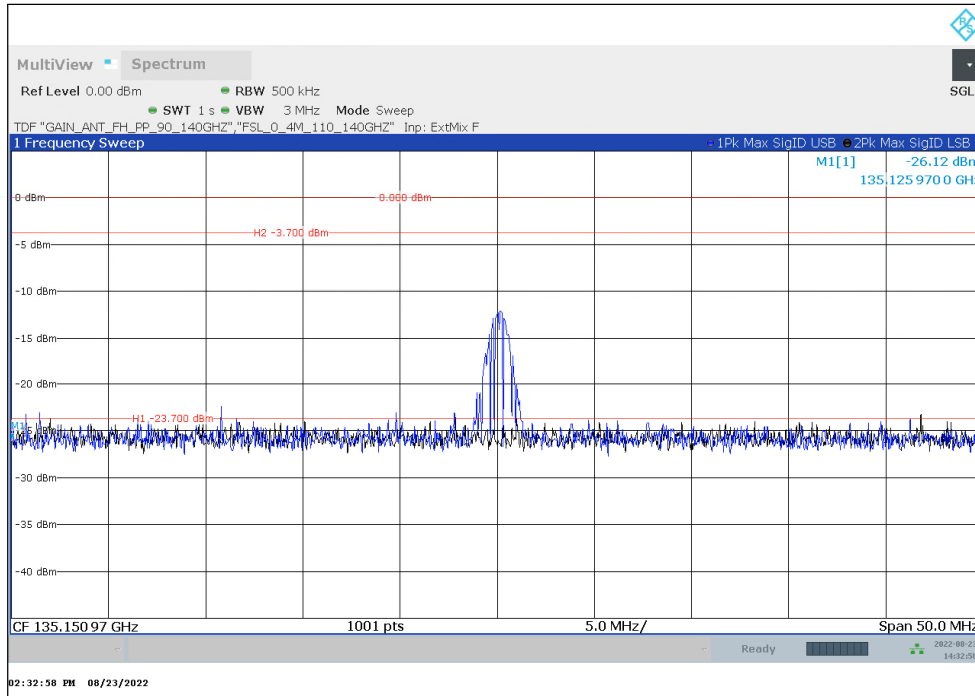
➔ Ghost signal

D139_07_134.11805GHz__T01_TX_RSE_122_140GHz_EUT_90_AntV



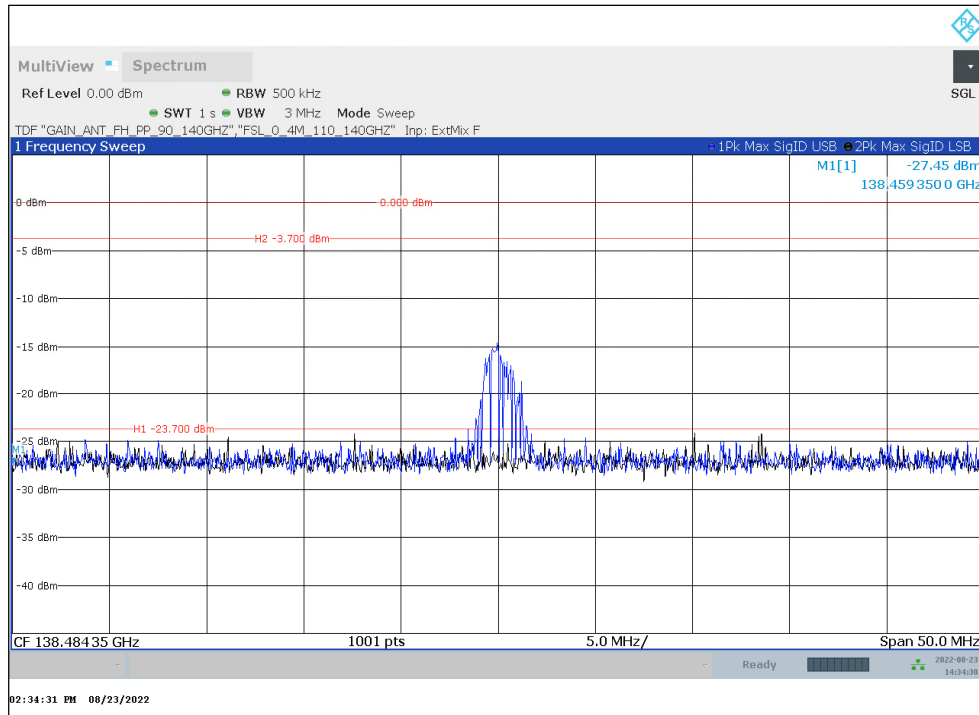
➔ Ghost signal

D139_07_135.15097GHz__T01_TX_RSE_122_140GHz_EUT_90_AntV



➔ Ghost signal

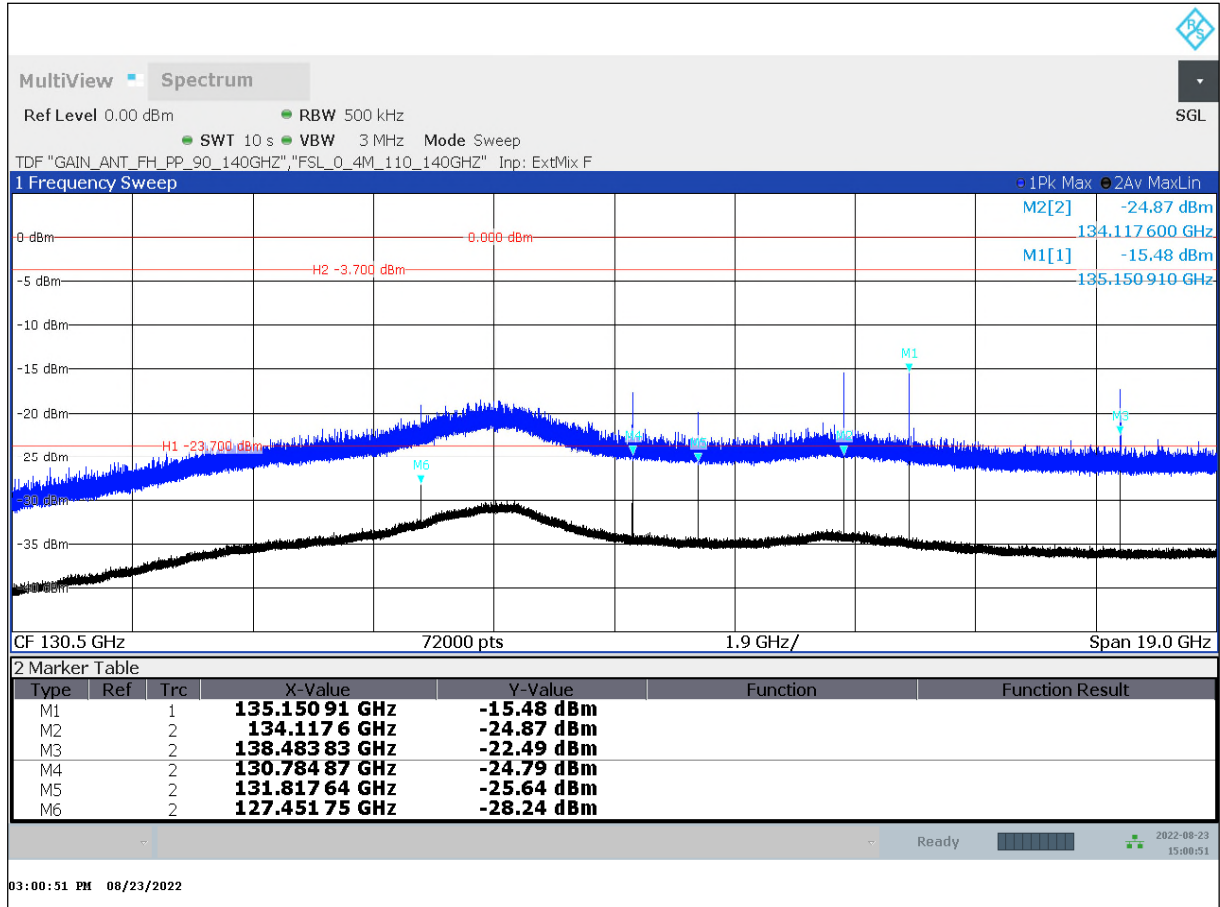
D139_07_138.48435GHz__T01_TX_RSE_122_140GHz_EUT_90_AntV

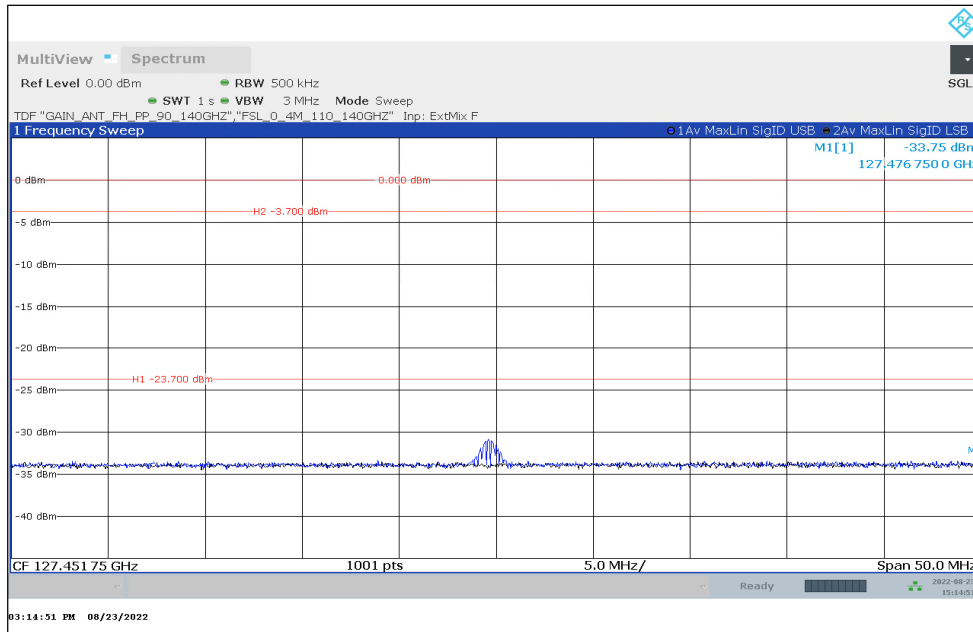


➔ Ghost signal

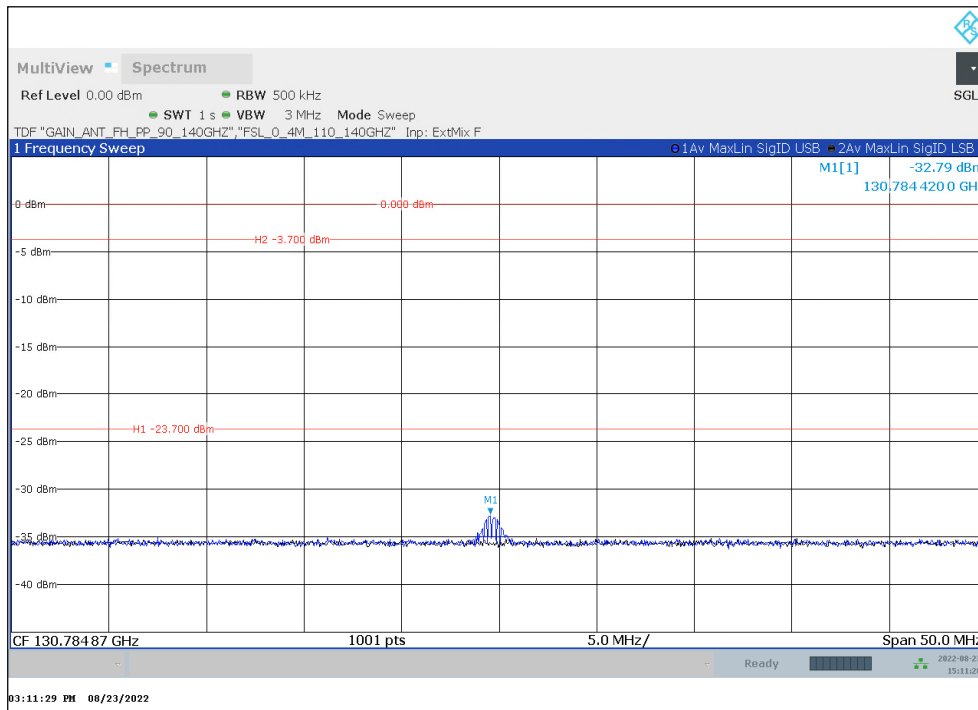
1.3.12.3 EUT laying / Antenna vertical

D139_08_Overview__T01_TX_RSE_122_140GHz_EUT_0_AntV



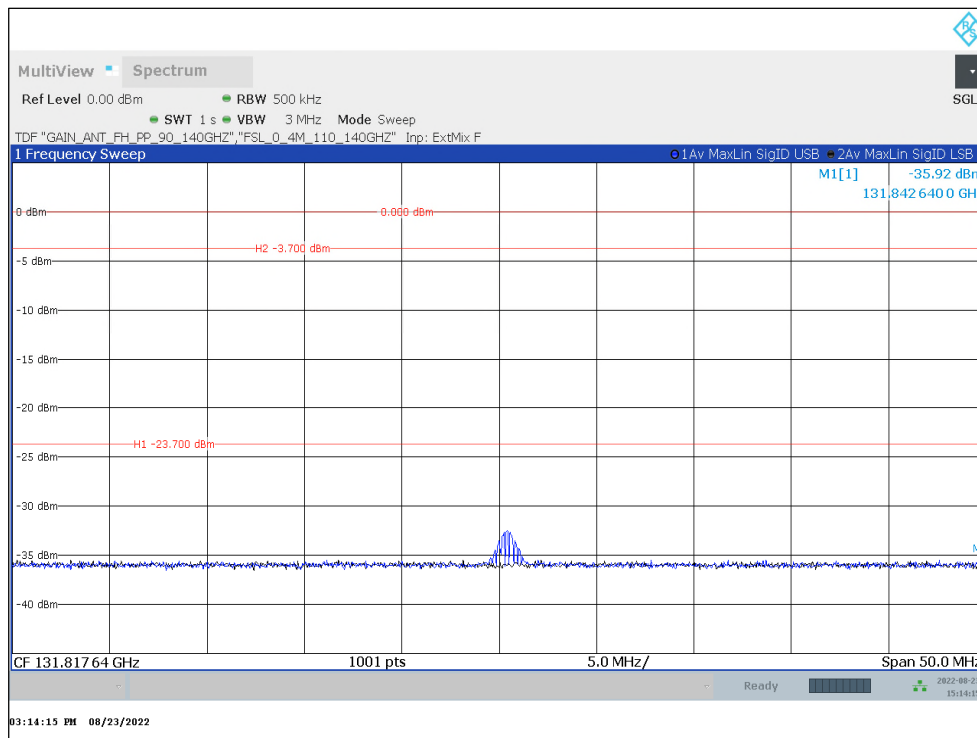
D139_08_127.45175GHz__T01_TX_RSE_122_140GHz_EUT_0_AntV

➔ Ghost signal

D139_08_130.78487GHz__T01_TX_RSE_122_140GHz_EUT_0_AntV

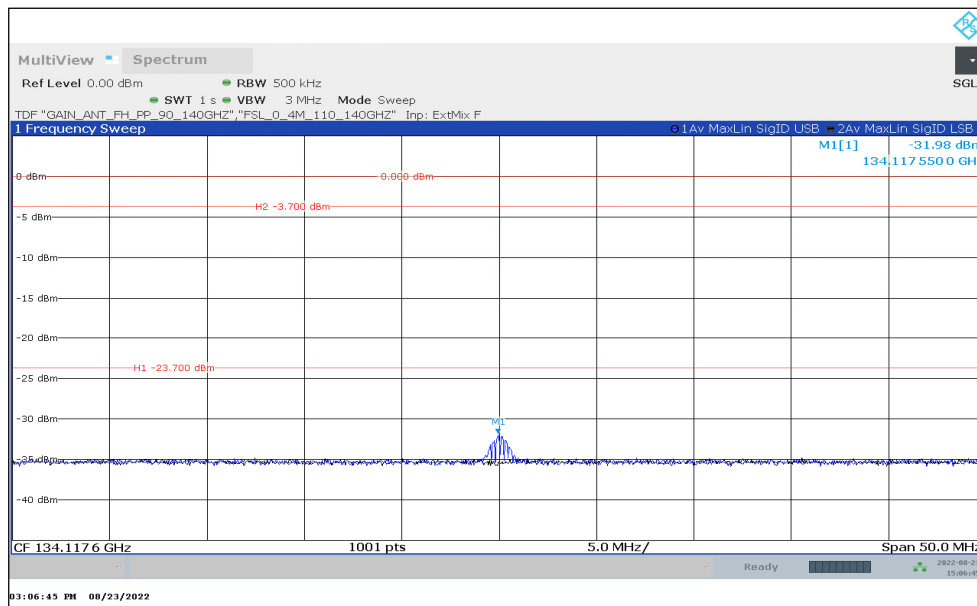
➔ Ghost signal

D139_08_131.81764GHz__T01_TX_RSE_122_140GHz_EUT_0_AntV



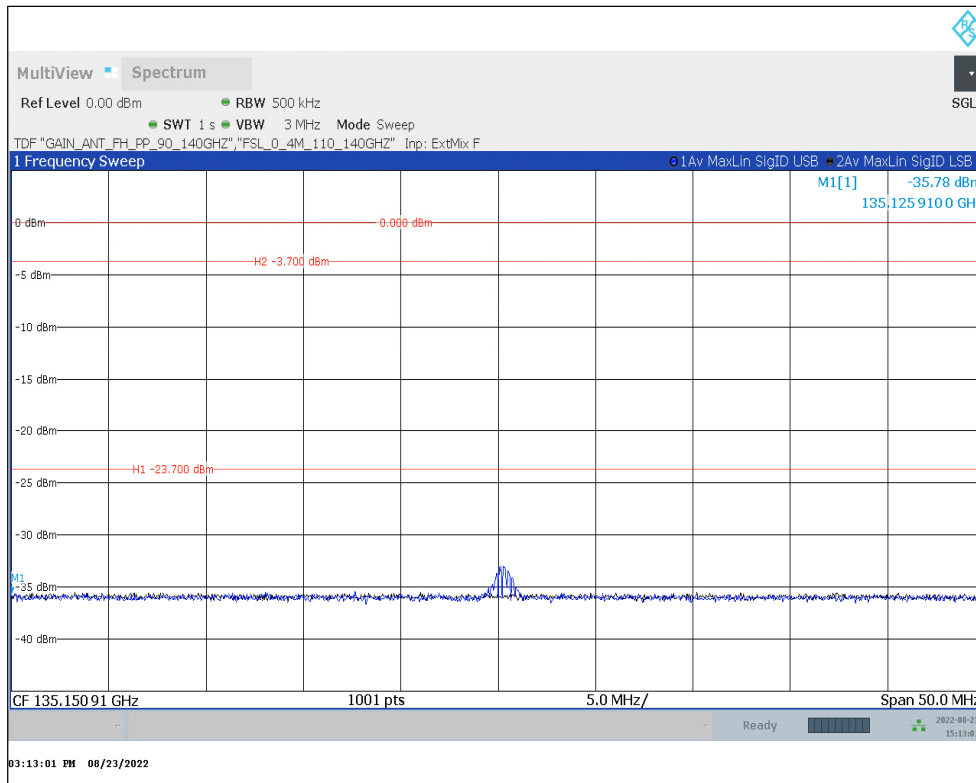
➔ Ghost signal

D139_08_134.1176GHz__T01_TX_RSE_122_140GHz_EUT_0_AntV



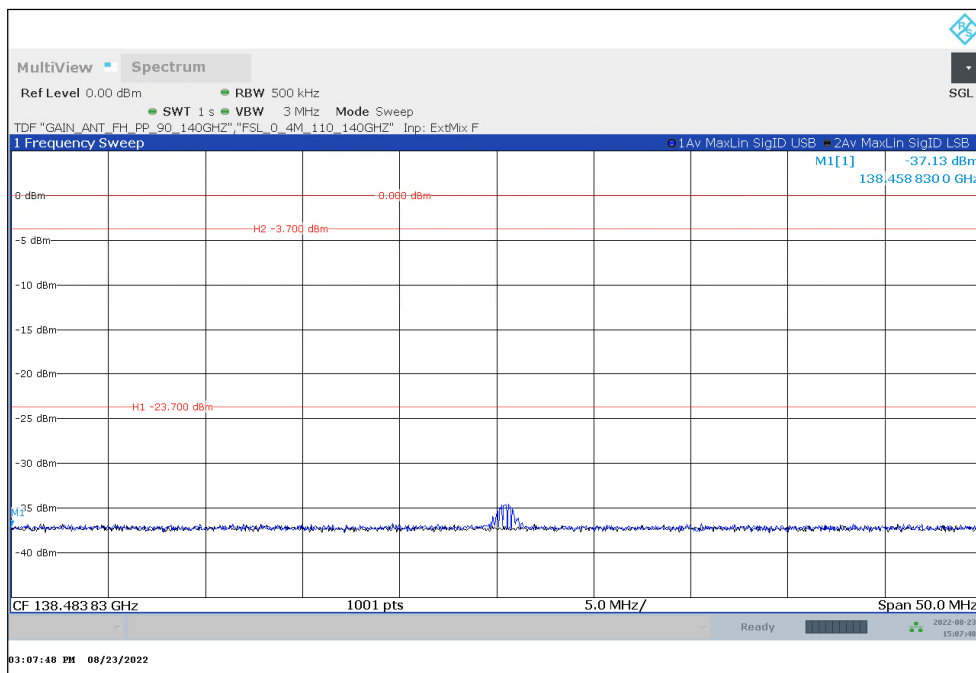
➔ Ghost signal

D139_08_135.15091GHz__T01_TX_RSE_122_140GHz_EUT_0_AntV



➔ Ghost signal

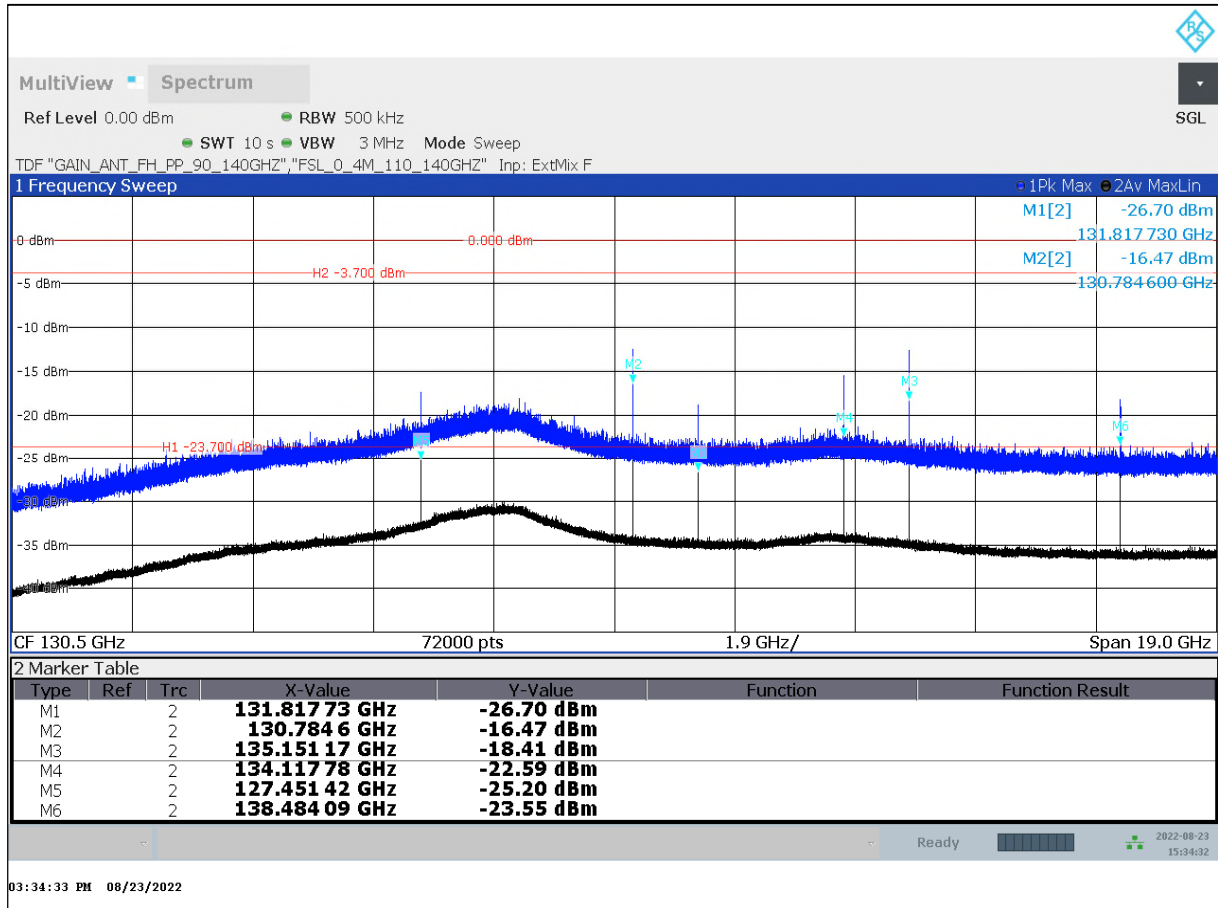
D139_08_138.48383GHz__T01_TX_RSE_122_140GHz_EUT_0_AntV

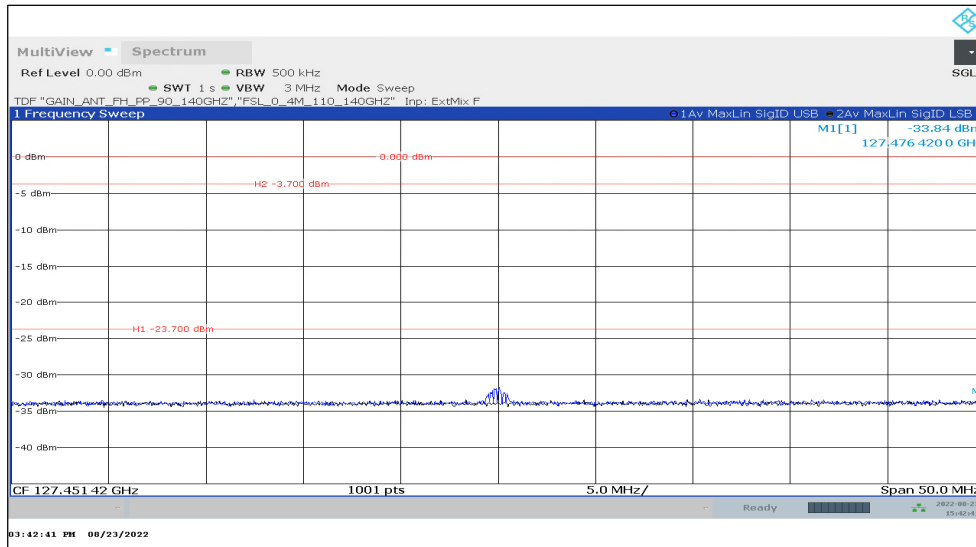


➔ Ghost signal

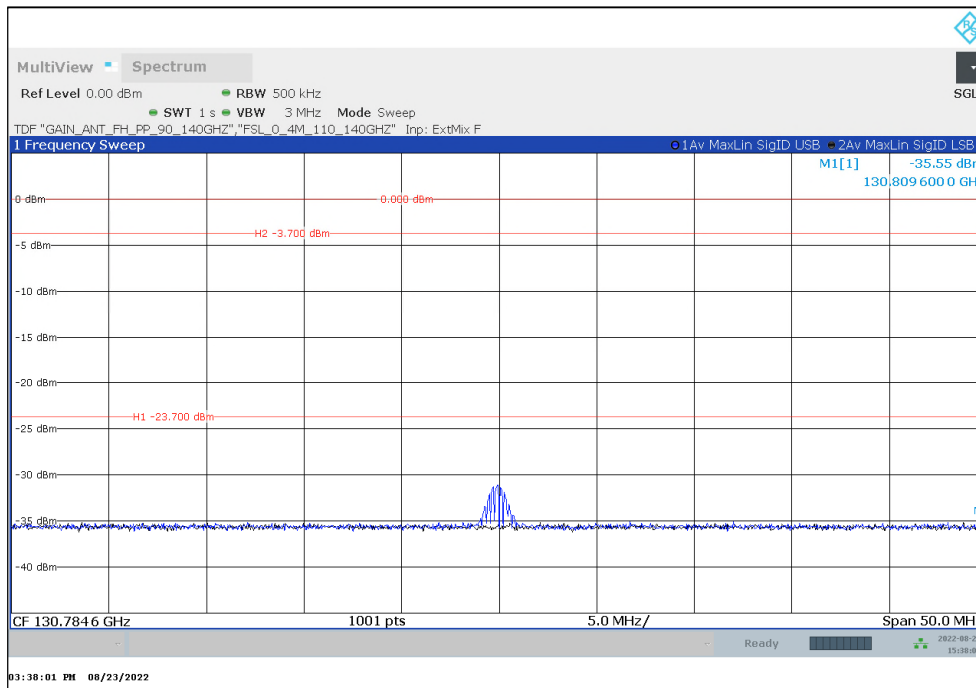
1.3.12.4 EUT laying / Antenna horizontal

D139_09_Overview__T01_TX_RSE_122_140GHz_EUT_0_AntH



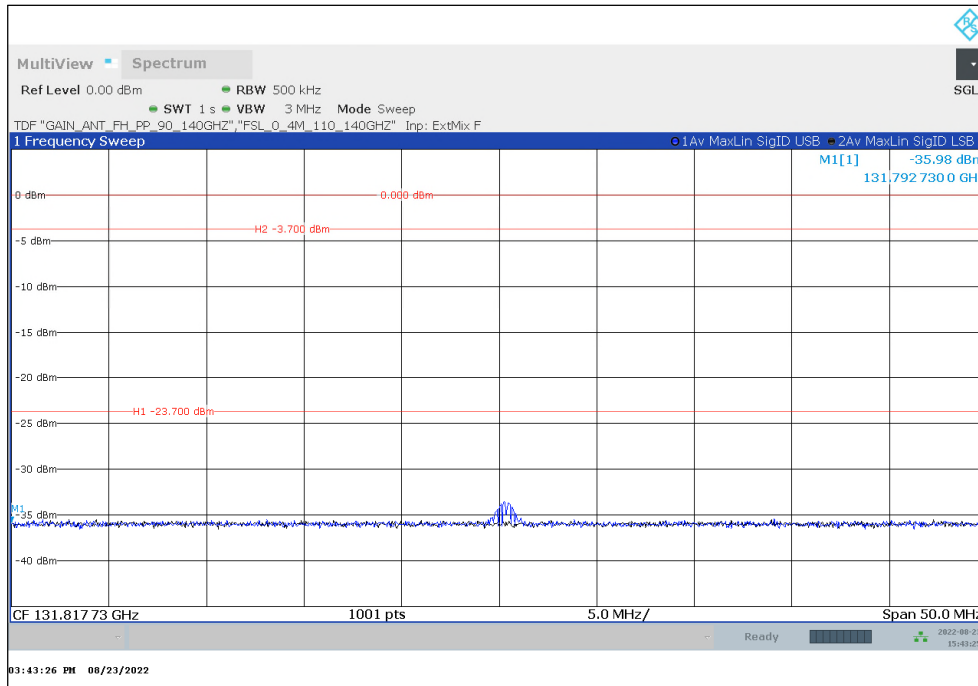
D139_09_127.45142GHz__T01_TX_RSE_122_140GHz_EUT_0_AntH

➔ Ghost signal

D139_09_130.7846GHz__T01_TX_RSE_122_140GHz_EUT_0_AntH

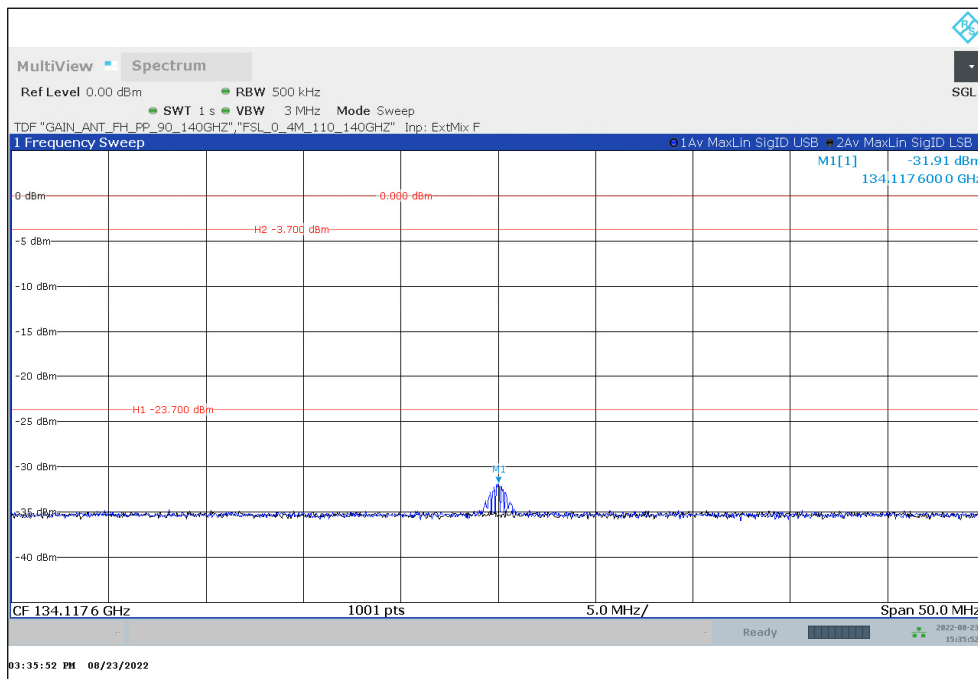
➔ Ghost signal

D139_09_131.81773GHz__T01_TX_RSE_122_140GHz_EUT_0_AntH

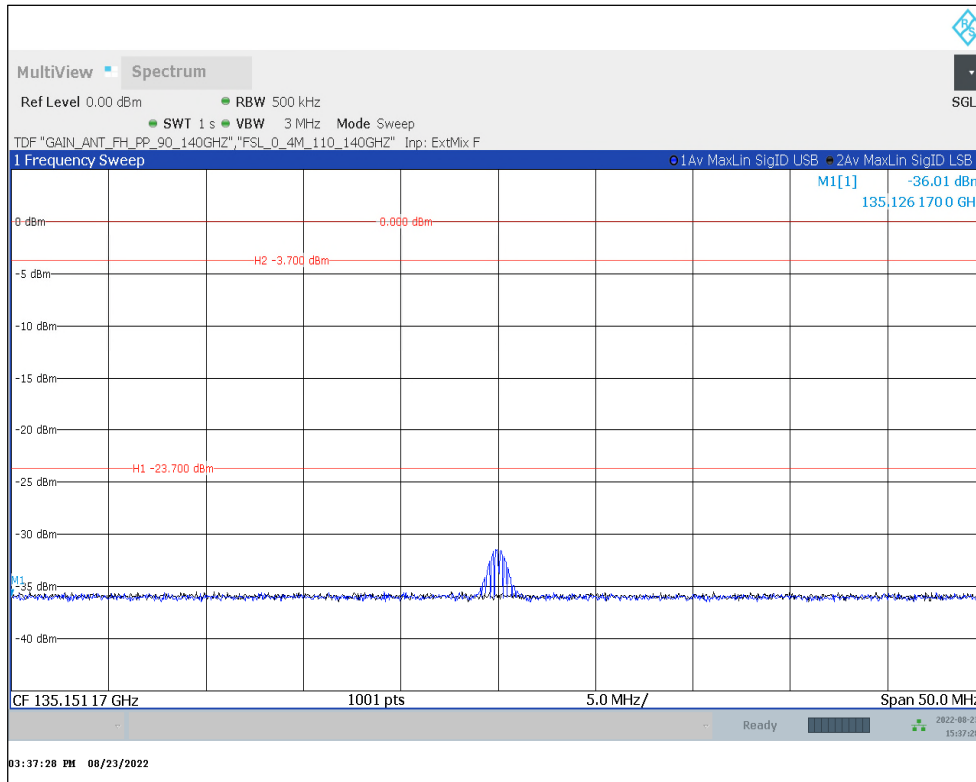


➔ Ghost signal

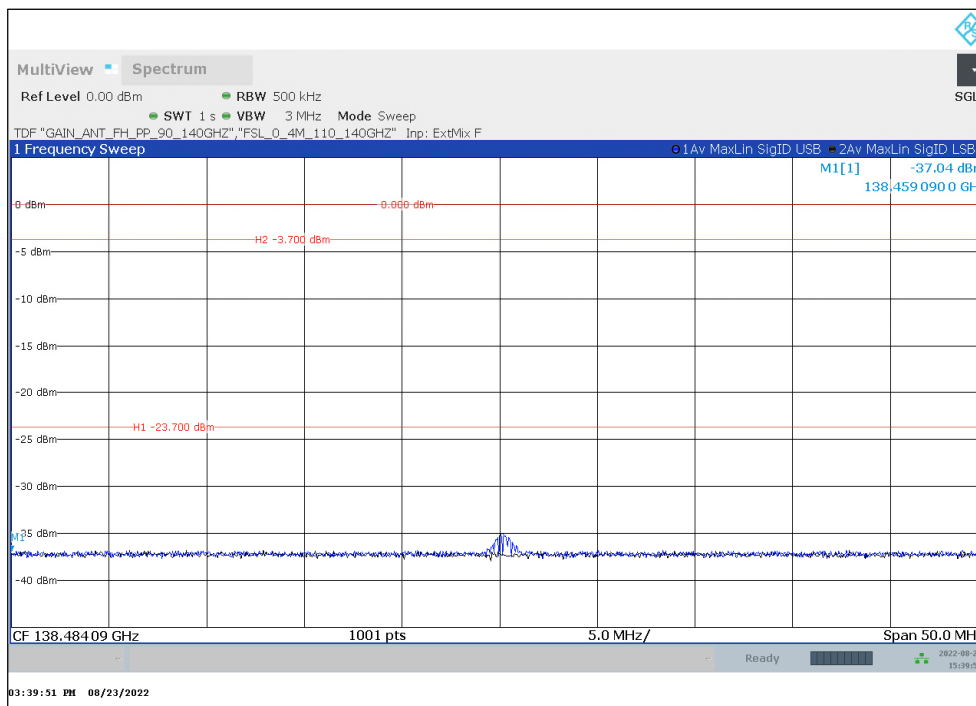
D139_09_134.11778GHz__T01_TX_RSE_122_140GHz_EUT_0_AntH



➔ Ghost signal

D139_09_135.15117GHz__T01_TX_RSE_122_140GHz_EUT_0_AntH

➔ Ghost signal

D139_09_138.48409GHz__T01_TX_RSE_122_140GHz_EUT_0_AntH

➔ Ghost signal