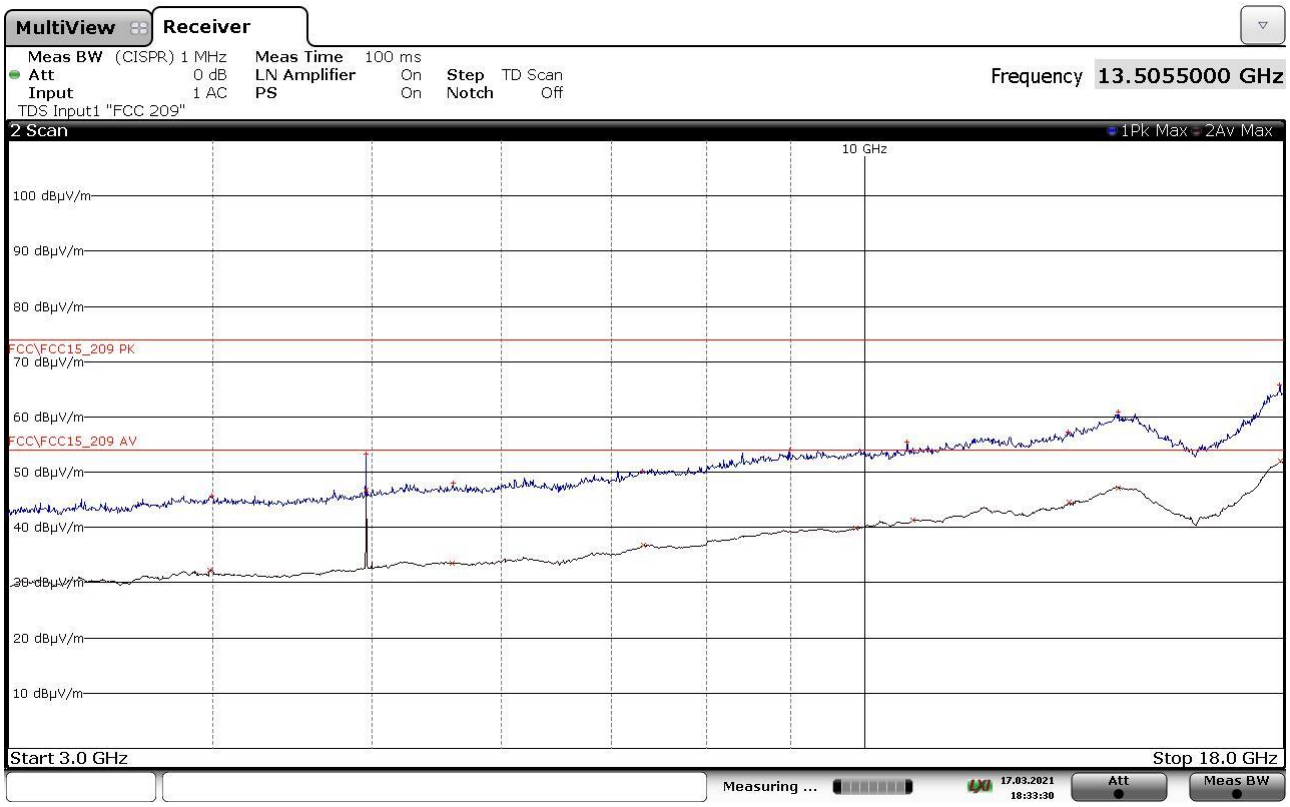
Gandini 21023345



FINAL RESULT TABLE

MAX PEAK

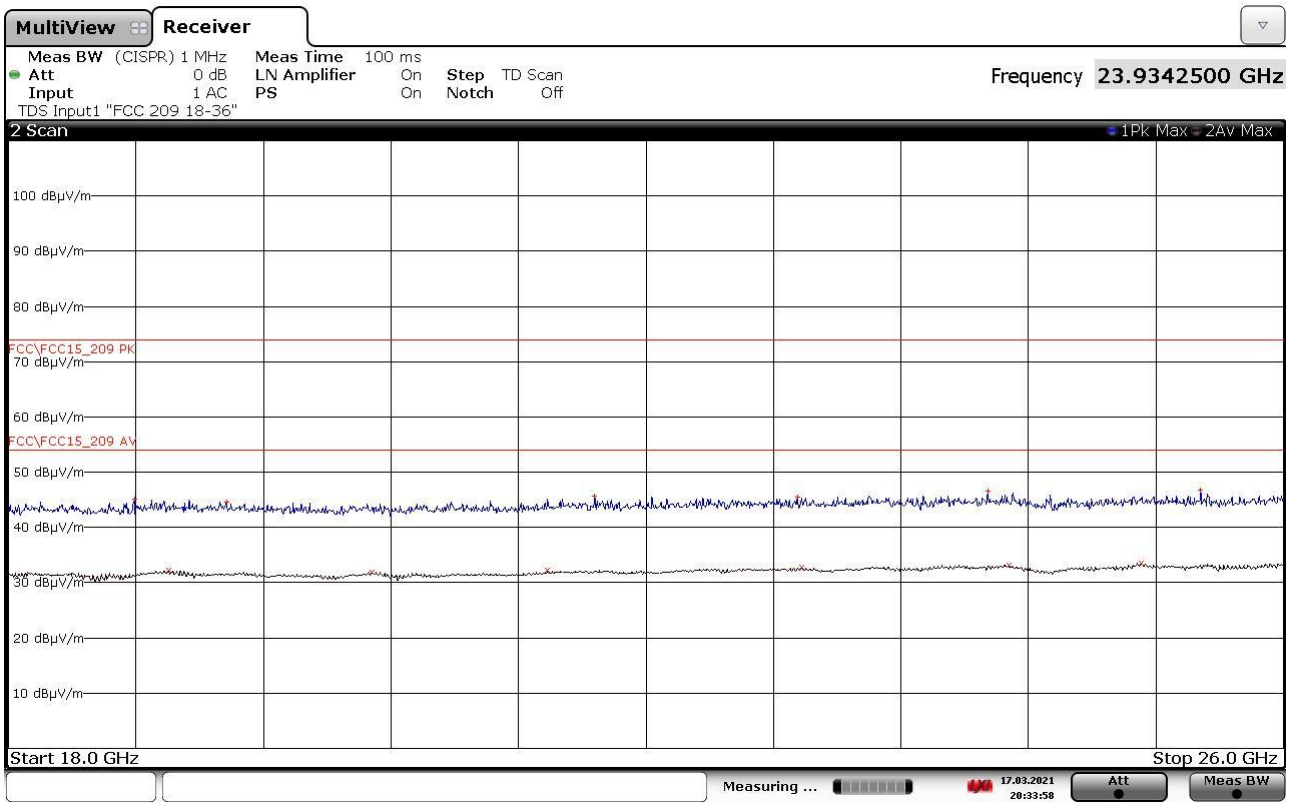
Freq Hz	Lev dBuV/m	Margin dB
3994250000	+45,73	-28,25
4958000000	+53,21	-20,77
5602500000	+48,07	-25,91
7309250000	+50,27	-23,71
8988500000	+54,03	-19,95
10605500000	+55,40	-18,58
13295250000	+57,34	-16,64
14274750000	+60,83	-13,15
17910750000	+65,73	-8,25

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
3978750000	+32,26	-21,72
4958000000	+46,71	-7,27
5600000000	+33,54	-20,44
7322750000	+36,78	-17,20
9869750000	+39,91	-14,07
10696000000	+41,38	-12,60
13315750000	+44,57	-9,41
14276750000	+47,20	-6,78
17923000000	+52,06	-1,92

21023345_2

Gandini 21023346



FINAL RESULT TABLE

MAX PEAK

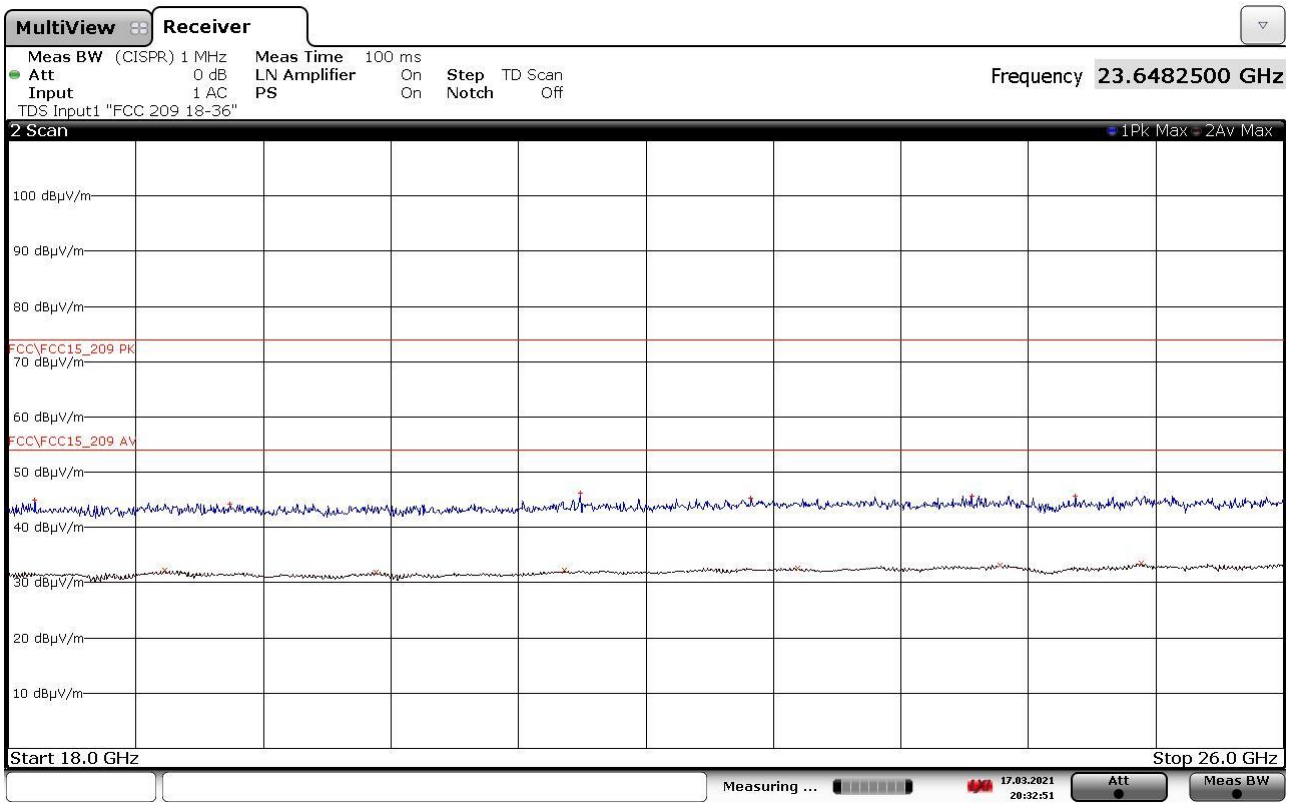
Freq Hz	Lev dBuV/m	Margin dB
18789000000	+45,04	-28,94
19367250000	+44,66	-29,32
21678750000	+45,62	-28,36
22951000000	+45,54	-28,44
24144750000	+46,49	-27,49
25480250000	+46,78	-27,20

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19003000000	+32,23	-21,75
20280750000	+31,94	-22,04
21384000000	+32,20	-21,78
22978750000	+32,73	-21,25
24275000000	+33,24	-20,74
25106500000	+33,61	-20,37

21023346_2

Gandini 21023347



FINAL RESULT TABLE

MAX PEAK

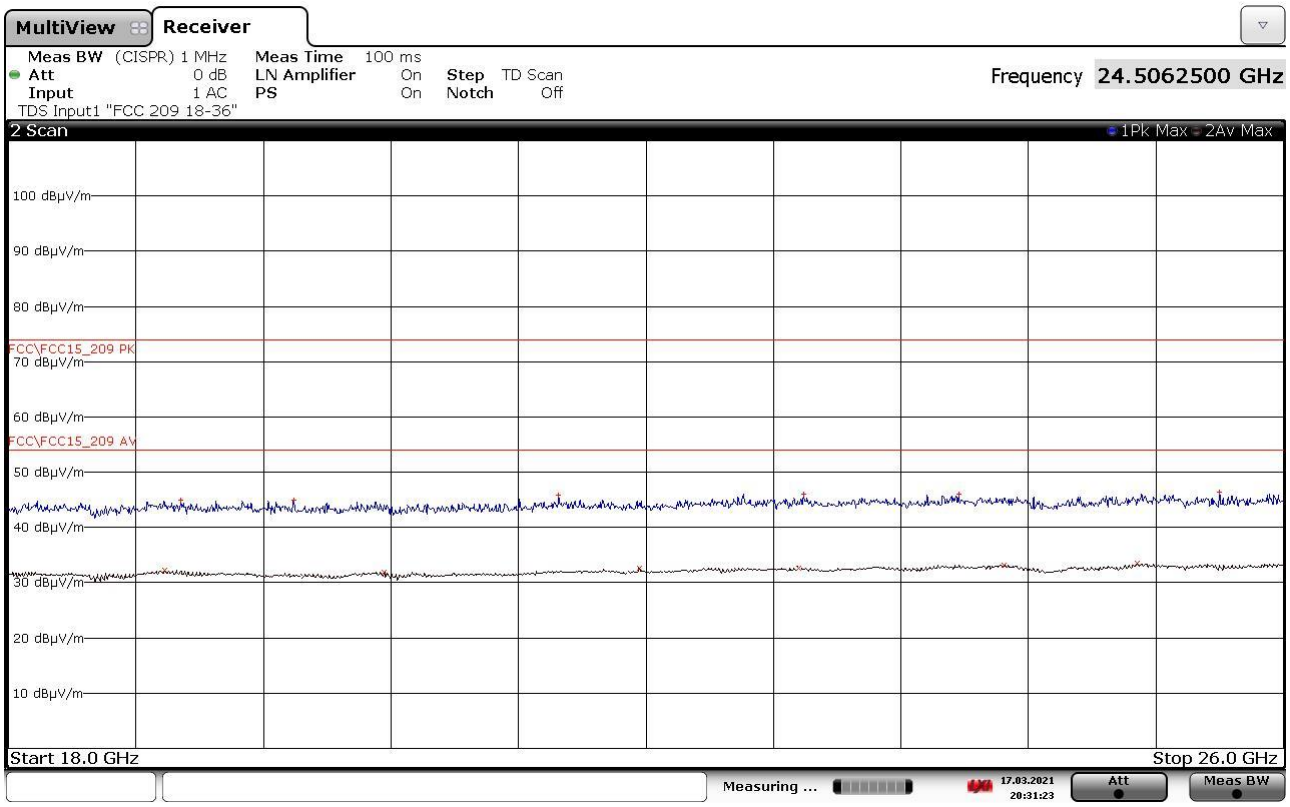
Freq Hz	Lev dBuV/m	Margin dB
18165500000	+45,01	-28,97
19390500000	+44,24	-29,74
21586000000	+46,22	-27,76
22659750000	+45,24	-28,74
24042750000	+45,75	-28,23
24693750000	+45,71	-28,27

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
18982250000	+32,20	-21,78
20306250000	+31,98	-22,00
21487250000	+32,32	-21,66
22950750000	+32,65	-21,33
24222500000	+33,18	-20,80
25108250000	+33,47	-20,51

21023347_2

Gandini 21023348



FINAL RESULT TABLE

MAX PEAK

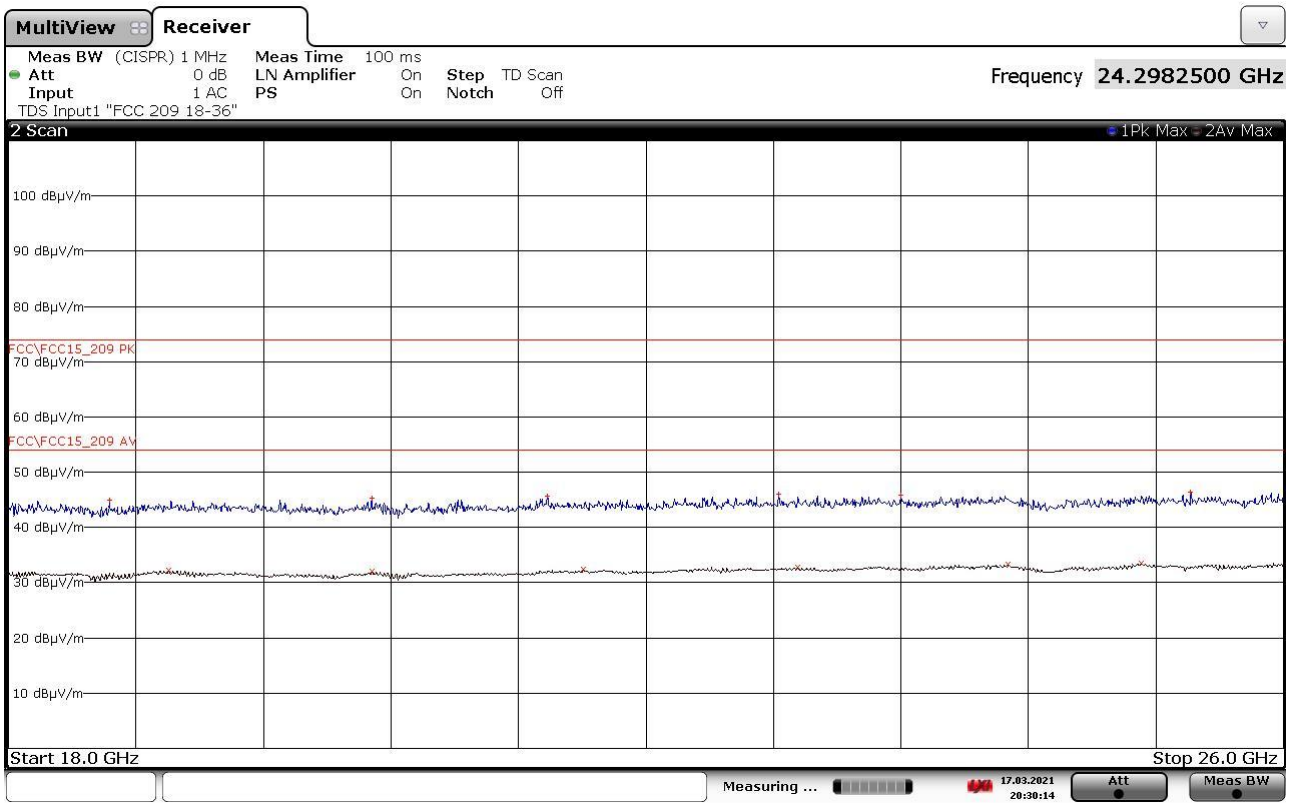
Freq Hz	Lev dBuV/m	Margin dB
19080500000	+44,86	-29,12
19788000000	+44,90	-29,08
21451250000	+45,76	-28,22
22989250000	+46,01	-27,97
23964250000	+46,00	-27,98
25599750000	+46,32	-27,66

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
18977500000	+32,20	-21,78
20358750000	+31,91	-22,07
21957500000	+32,55	-21,43
22956500000	+32,71	-21,27
24247500000	+33,20	-20,78
25080250000	+33,61	-20,37

21023348_2

Gandini 21023349



FINAL RESULT TABLE

MAX PEAK

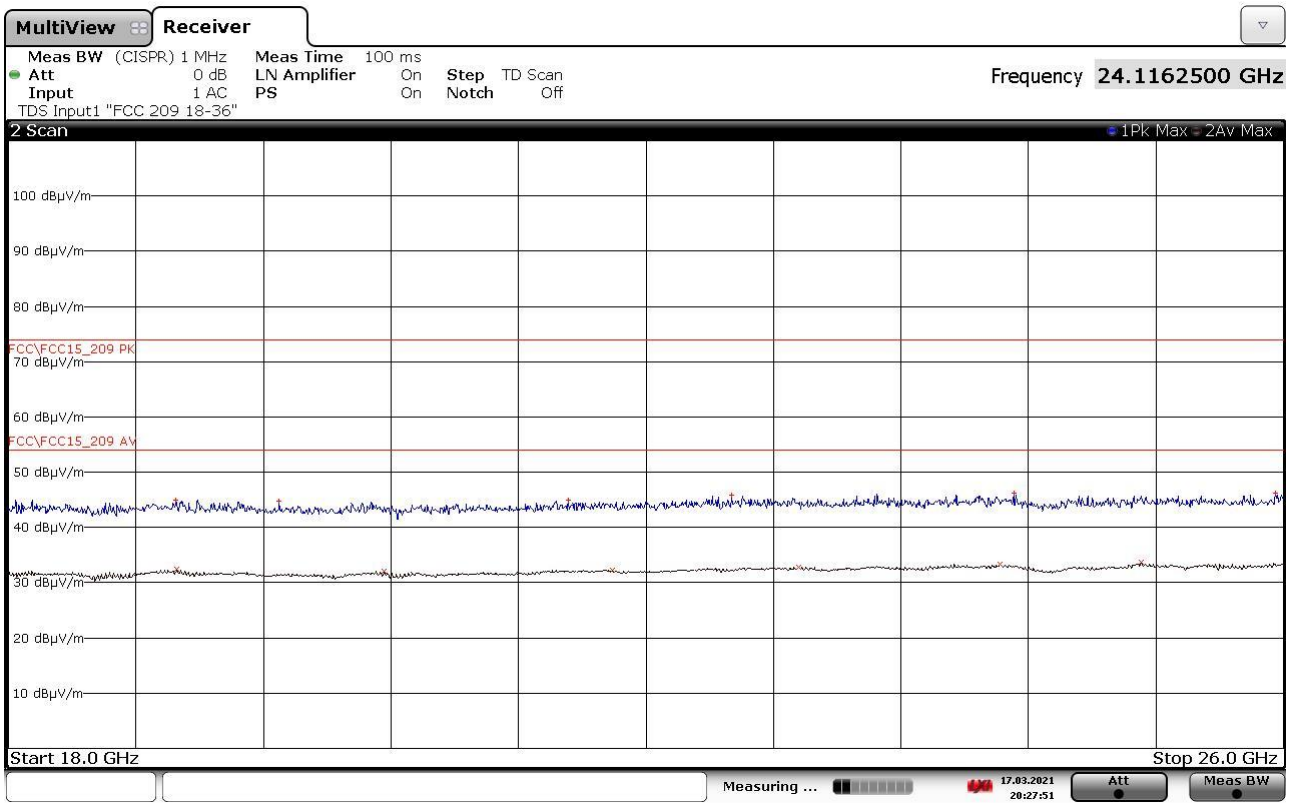
Freq Hz	Lev dBuV/m	Margin dB
18632500000	+44,99	-28,99
20280000000	+45,22	-28,76
21382500000	+45,74	-28,24
22832250000	+46,06	-27,92
23599000000	+45,77	-28,21
25418250000	+46,36	-27,62

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19003750000	+32,19	-21,79
20280000000	+32,03	-21,95
21605750000	+32,36	-21,62
22951000000	+32,77	-21,21
24273500000	+33,29	-20,69
25108000000	+33,58	-20,40

21023349_2

Gandini 21023350



FINAL RESULT TABLE

MAX PEAK

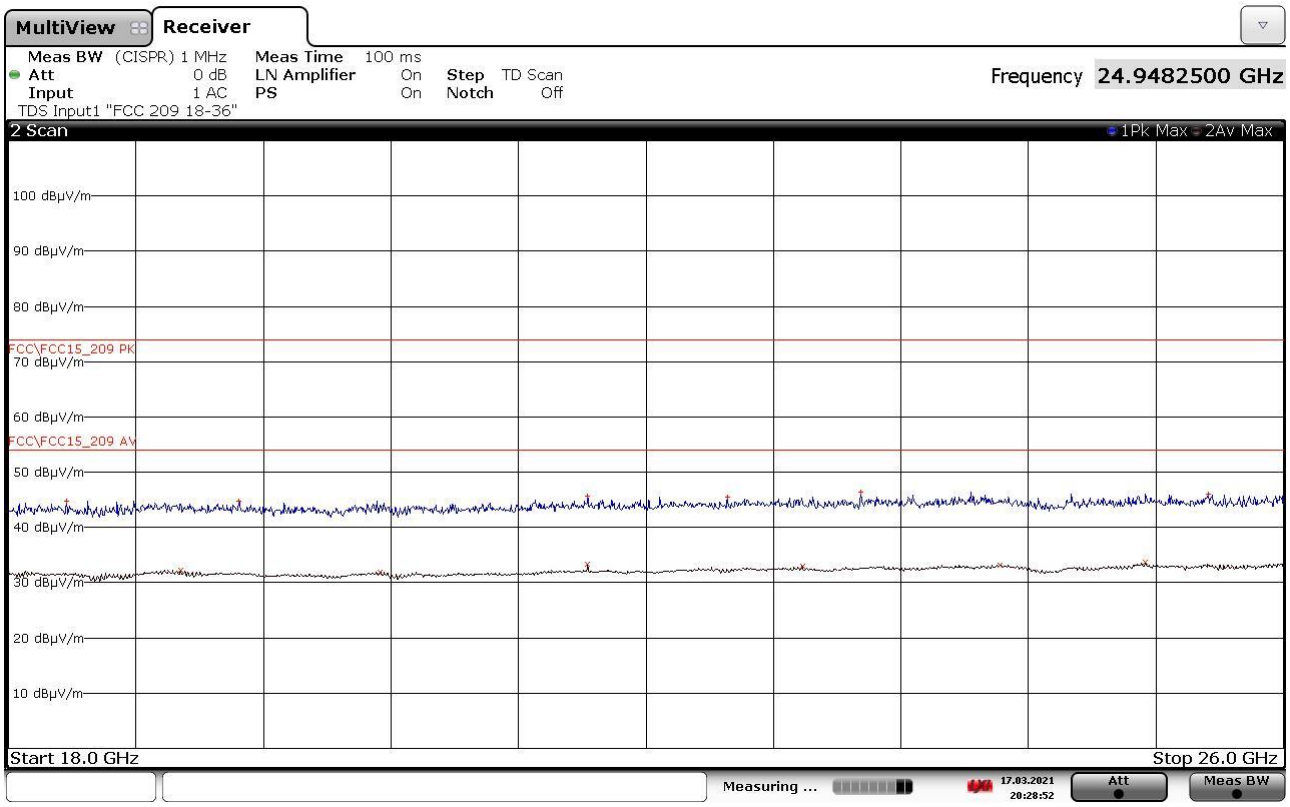
Freq Hz	Lev dBuV/m	Margin dB
19051750000	+45,00	-28,98
19695000000	+44,79	-29,19
21512000000	+44,91	-29,07
22538000000	+45,79	-28,19
24307750000	+46,23	-27,75
25948500000	+46,26	-27,72

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19056250000	+32,37	-21,61
20358000000	+32,08	-21,90
21786750000	+32,33	-21,65
22958250000	+32,83	-21,15
24221250000	+33,35	-20,63
25108000000	+33,73	-20,25

21023350_2

Gandini 21023351



FINAL RESULT TABLE

MAX PEAK

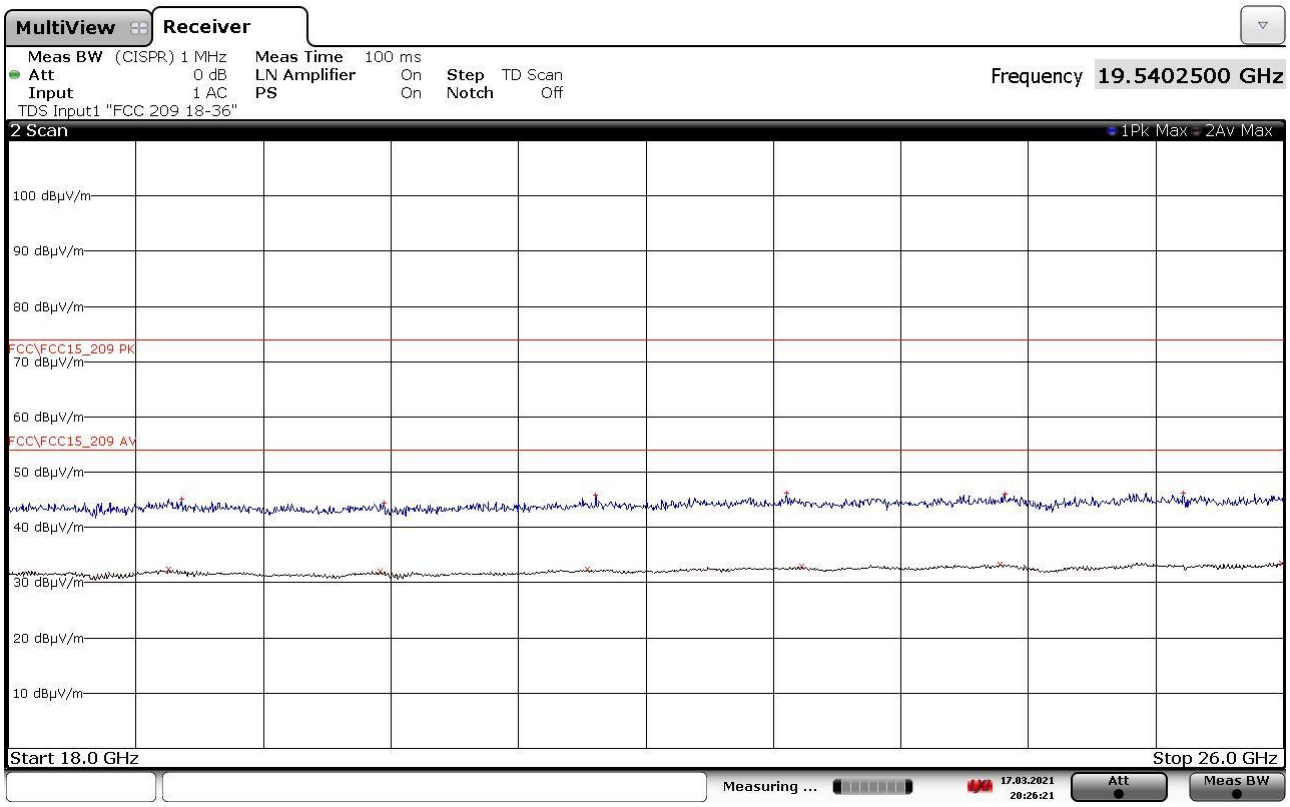
Freq Hz	Lev dBuV/m	Margin dB
18364250000	+44,77	-29,21
19447500000	+44,82	-29,16
21634250000	+45,70	-28,28
22510750000	+45,52	-28,46
23348500000	+46,39	-27,59
25529000000	+46,03	-27,95

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19081000000	+32,26	-21,72
20332500000	+31,90	-22,08
21634750000	+33,26	-20,72
22980750000	+32,94	-21,04
24221500000	+33,25	-20,73
25133750000	+33,62	-20,36

21023351_2

Gandini 21023352



FINAL RESULT TABLE

MAX PEAK

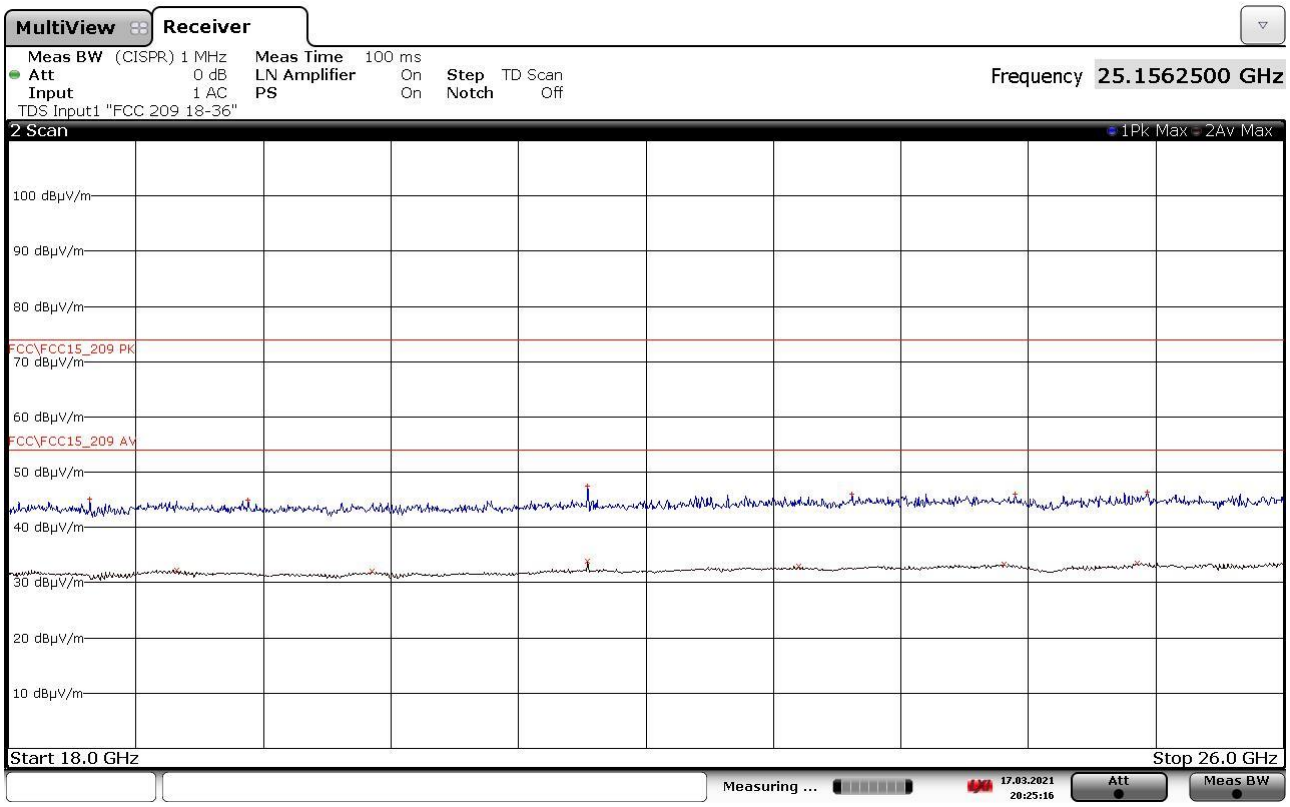
Freq Hz	Lev dBuV/m	Margin dB
19086750000	+45,21	-28,77
20356000000	+44,36	-29,62
21685750000	+45,86	-28,12
22883250000	+46,27	-27,71
24250000000	+45,97	-28,01
25369000000	+46,24	-27,74

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19006750000	+32,44	-21,54
20330500000	+32,11	-21,87
21633250000	+32,49	-21,49
22979750000	+32,94	-21,04
24222000000	+33,32	-20,66
25990500000	+33,61	-20,37

21023352_2

Gandini 21023353



FINAL RESULT TABLE

MAX PEAK

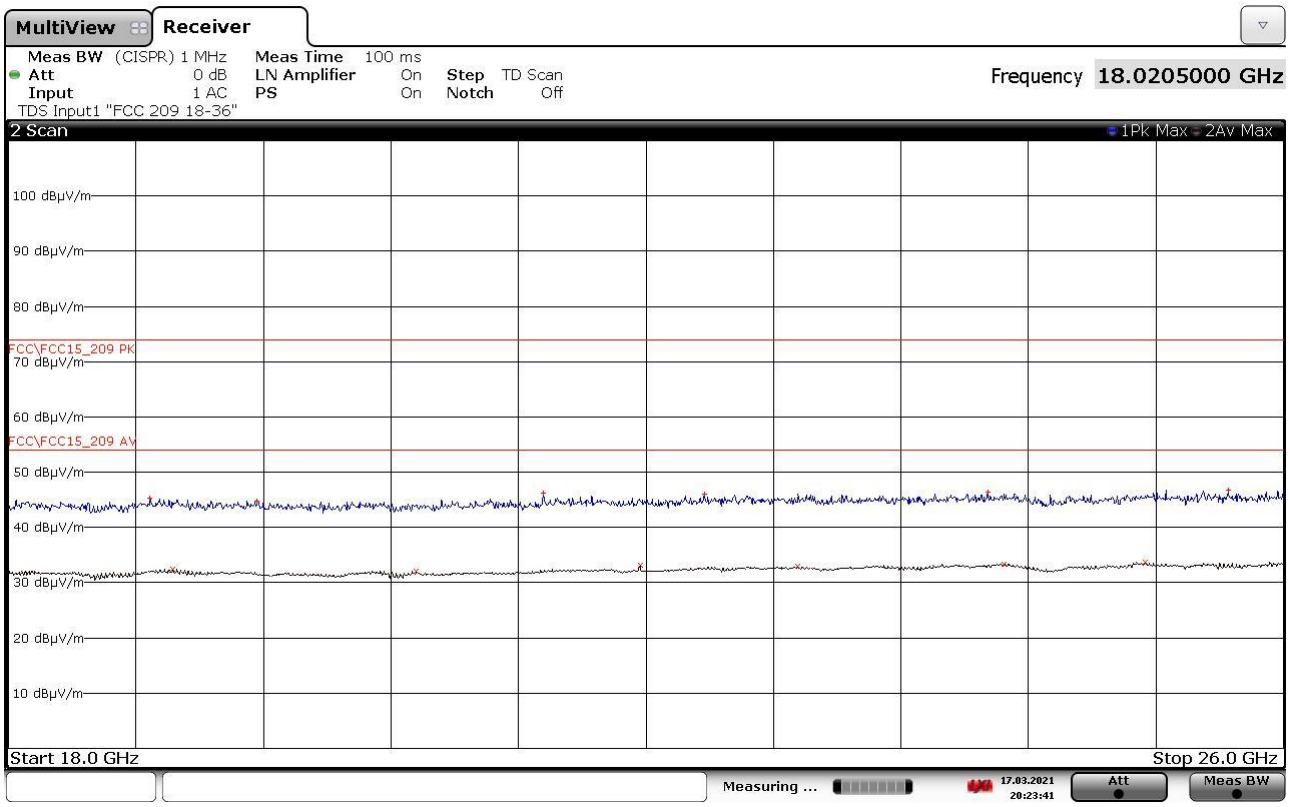
Freq Hz	Lev dBuV/m	Margin dB
18510000000	+45,10	-28,88
19504000000	+44,97	-29,01
21634500000	+47,44	-26,54
23293500000	+45,96	-28,02
24315250000	+46,03	-27,95
25143750000	+46,36	-27,62

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19056250000	+32,33	-21,65
20281000000	+32,00	-21,98
21635000000	+33,84	-20,14
22956000000	+32,96	-21,02
24249000000	+33,33	-20,65
25080500000	+33,58	-20,40

21023353_2

Gandini 21023354



FINAL RESULT TABLE

MAX PEAK

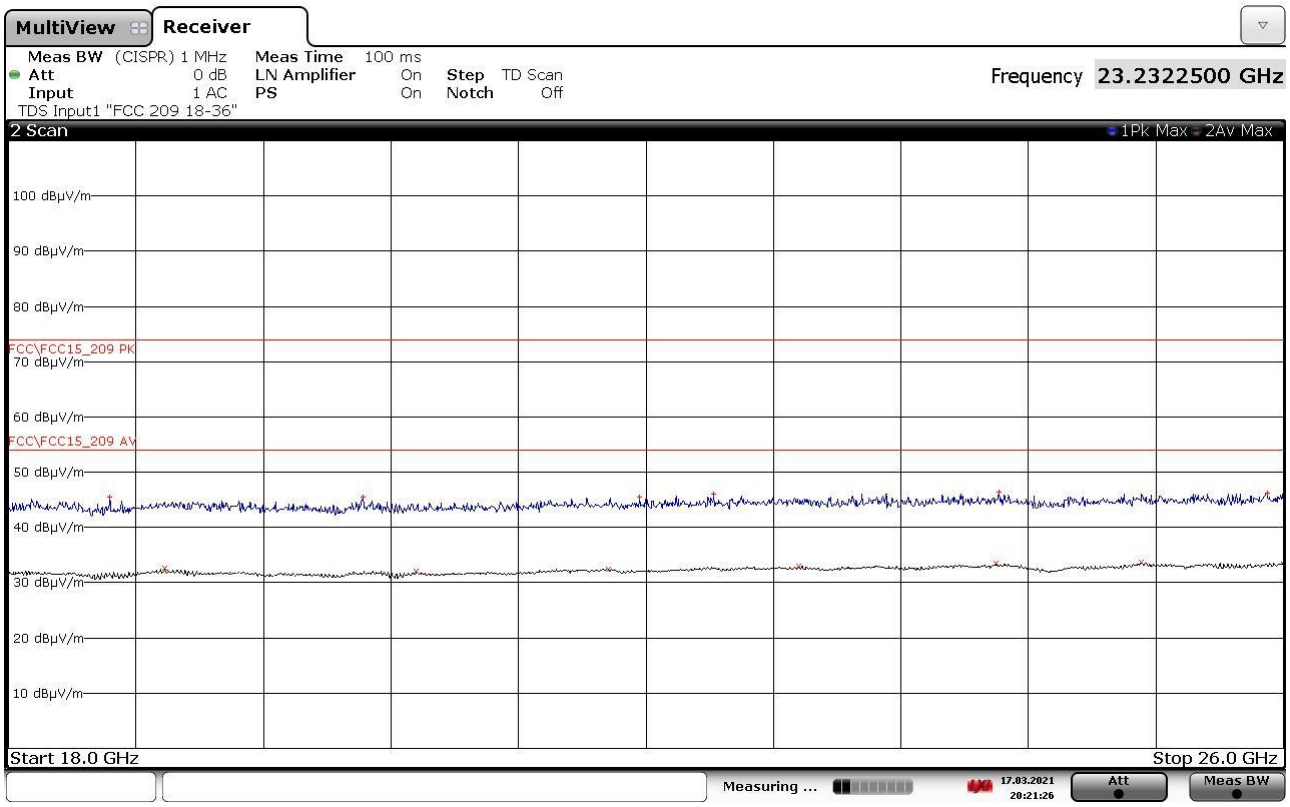
Freq Hz	Lev dBuV/m	Margin dB
18888000000	+45,34	-28,64
19559250000	+44,73	-29,25
21355500000	+46,14	-27,84
22365750000	+46,12	-27,86
24145250000	+46,44	-27,54
25652750000	+46,78	-27,20

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19031250000	+32,40	-21,58
20559500000	+32,11	-21,87
21963000000	+33,11	-20,87
22954250000	+32,93	-21,05
24248750000	+33,41	-20,57
25132250000	+33,75	-20,23

21023354_2

Gandini 21023355



FINAL RESULT TABLE

MAX PEAK

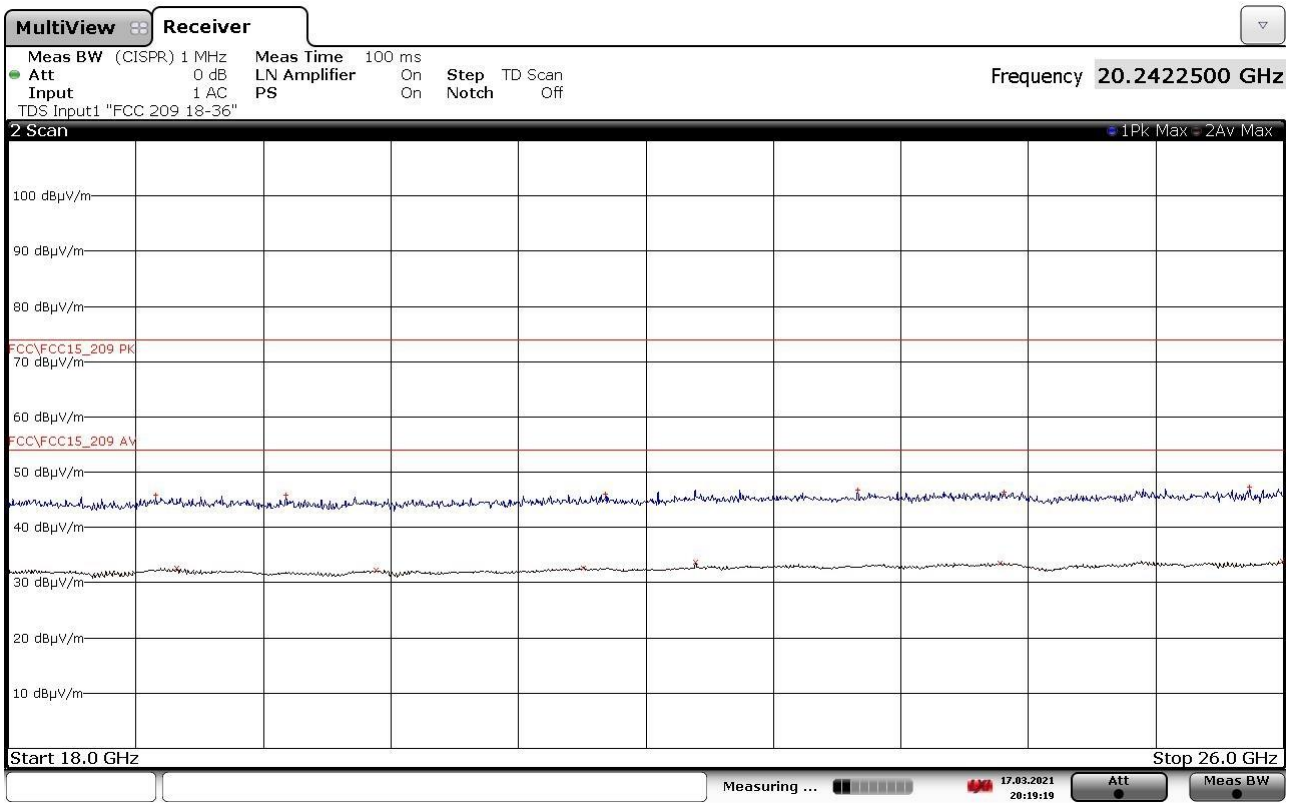
Freq Hz	Lev dBuV/m	Margin dB
18637500000	+45,47	-28,51
20225250000	+45,40	-28,58
21958750000	+45,52	-28,46
22422250000	+45,99	-27,99
24215000000	+46,31	-27,67
25896750000	+46,16	-27,82

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
18979750000	+32,57	-21,41
20559500000	+32,08	-21,90
21762250000	+32,48	-21,50
22955750000	+33,06	-20,92
24197750000	+33,55	-20,43
25105500000	+33,67	-20,31

21023355_2

Gandini 21023356



FINAL RESULT TABLE

MAX PEAK

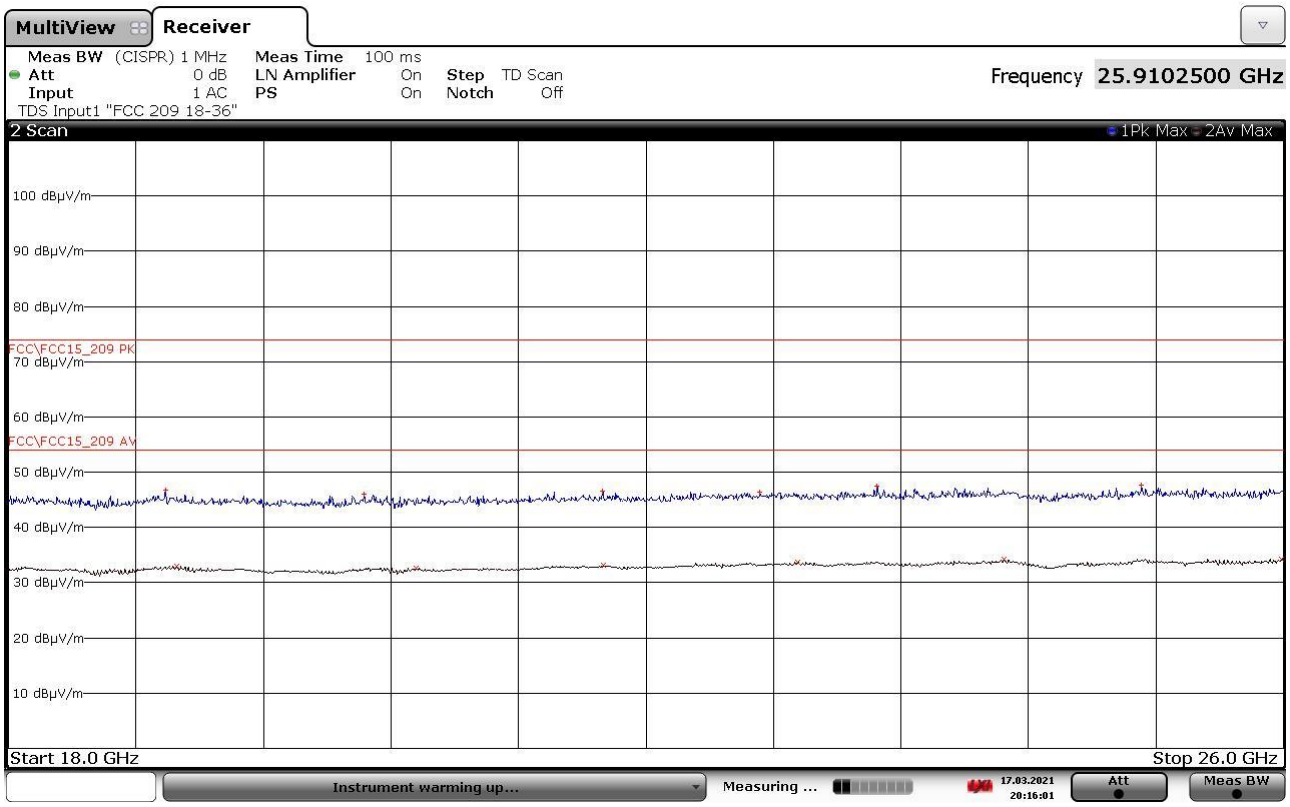
Freq Hz	Lev dBuV/m	Margin dB
18923500000	+45,76	-28,22
19740750000	+45,87	-28,11
21746750000	+46,02	-27,96
23328750000	+46,84	-27,14
24247500000	+46,46	-27,52
25786000000	+47,36	-26,62

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19055250000	+32,61	-21,37
20306500000	+32,32	-21,66
21609000000	+32,71	-21,27
22311250000	+33,73	-20,25
24223250000	+33,61	-20,37
25990750000	+33,93	-20,05

21023356_2

Gandini 21023357



FINAL RESULT TABLE

MAX PEAK

Freq Hz	Lev dBuV/m	Margin dB
18984250000	+46,75	-27,23
20231750000	+46,01	-27,97
21729500000	+46,53	-27,45
22713250000	+46,48	-27,50
23450250000	+47,54	-26,44
25106250000	+47,64	-26,34

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
19054750000	+32,99	-20,99
20557500000	+32,68	-21,30
21735500000	+33,08	-20,90
22954250000	+33,73	-20,25
24247000000	+34,17	-19,81
25989500000	+34,30	-19,68

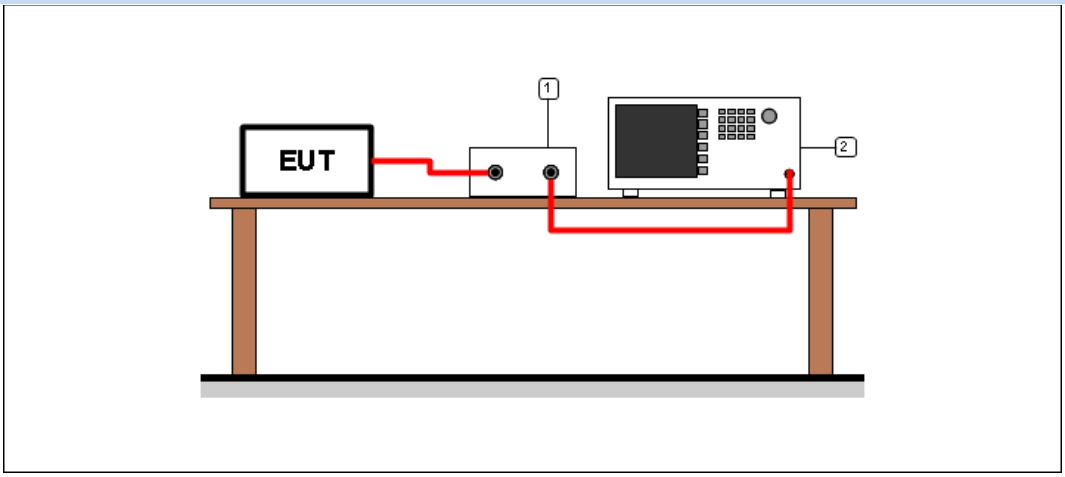
21023357_2

9.3 DTS bandwidth

Tested by ..... :	G. Gandini
Test date ..... :	23.03.2021
Test location (stand) ..... :	Laboratory
Reference standards ..... :	FCC Rules and Regulation; Titles 47 Part 15.247 (a) (2) ANSI C63.10 cl. 11.8 KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.2
Supplementary test set-up description ..... :	--
Supplementary information..... :	--

Acceptance limits
Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz

Test setup



Test setup PR002_01				
Nr.	*Id. Number*	*Manufacturer*	*Model*	*Description*
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

Result

Chip A

Frequency (MHz)	*Graphs*	*6 dB bandwidth (kHz)*	*Minimum 6 dB bandwidth allowed (kHz)*	*Results*
2404	G21023358	986,00	500	Complies
2440	G21023359	989,10	500	Complies
2479	G21023360	992,00	500	Complies

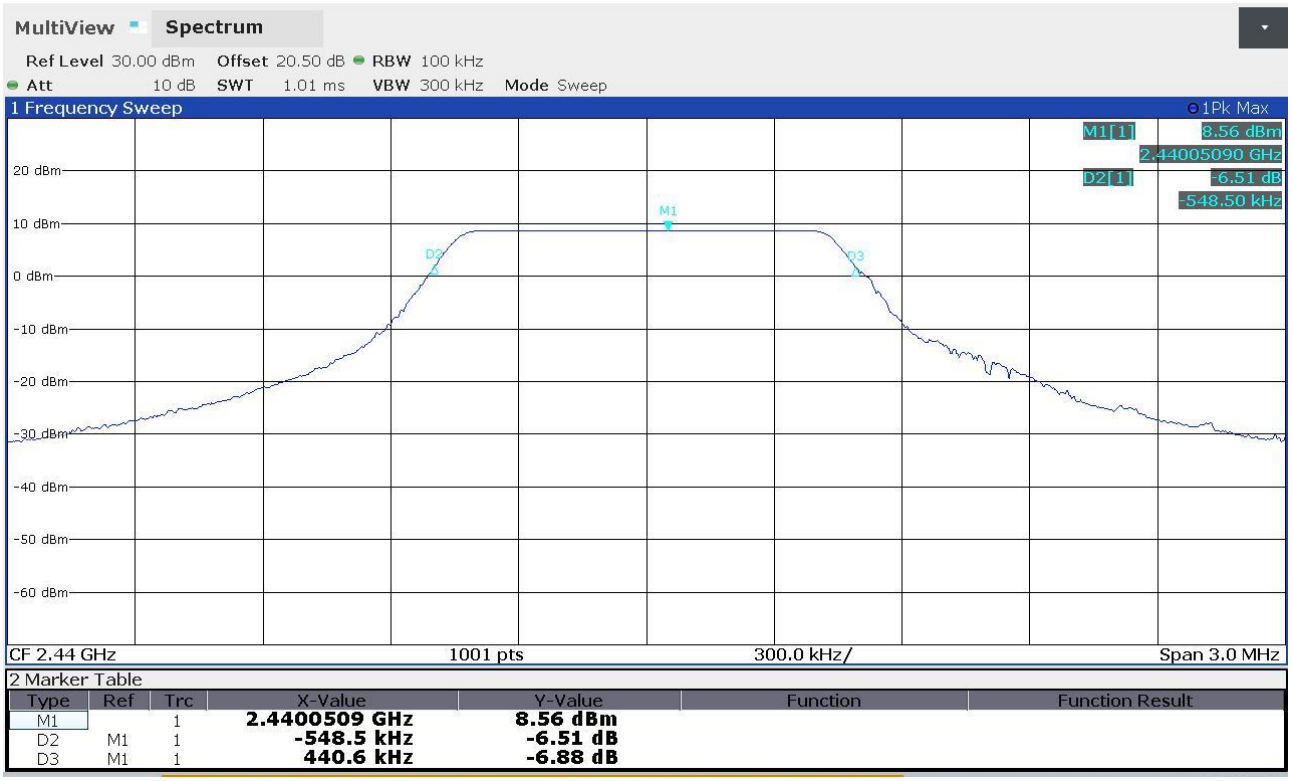
Chip B

Frequency (MHz)	*Graphs*	*6 dB bandwidth (kHz)*	*Minimum 6 dB bandwidth allowed (kHz)*	*Results*
2404	G21023378	983,00	500	Complies
2440	G21023379	983,00	500	Complies
2479	G21023380	989,00	500	Complies

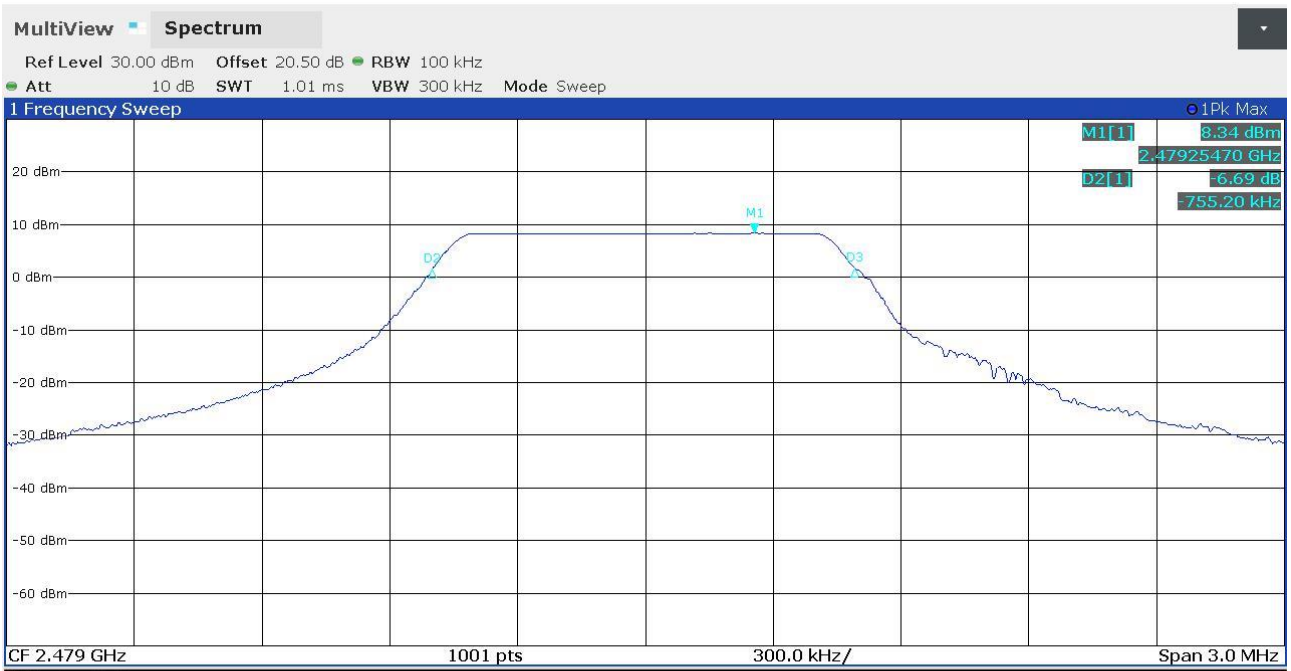
Graphs

Gandini 21023358

Gandini 21023359



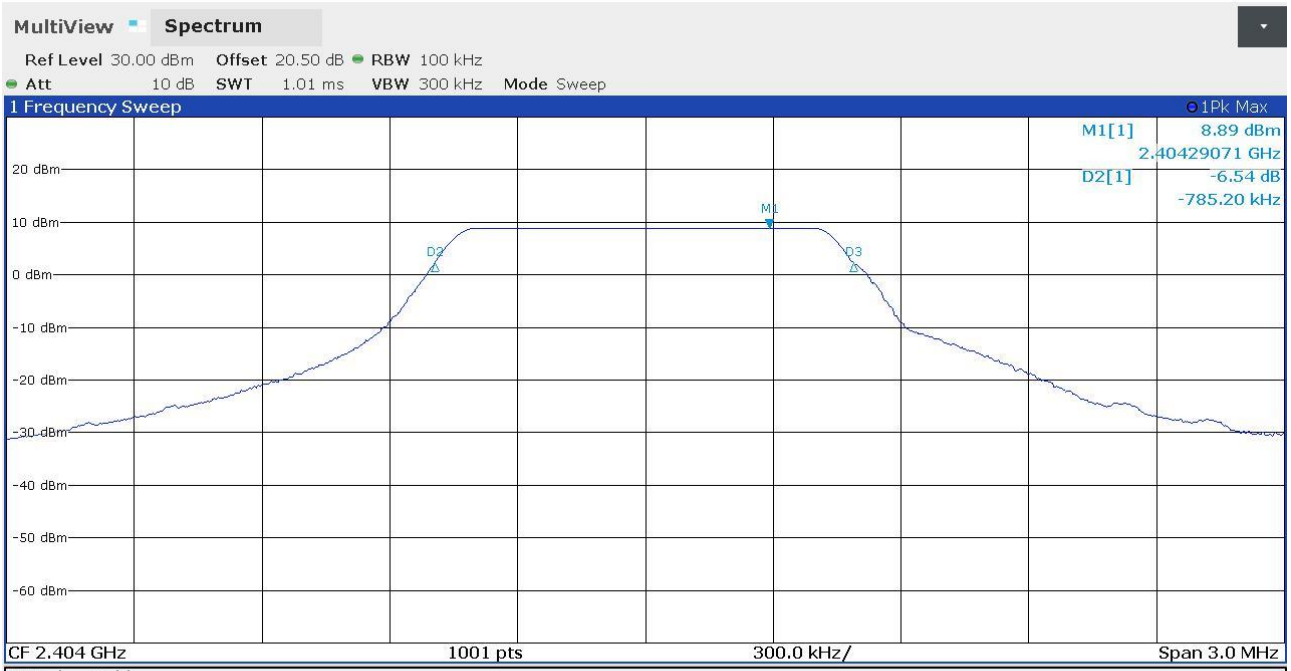
Gandini 21023360



2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**2.4792547 GHz**	**8.34 dBm**		
D2	M1	1	**-755.2 kHz**	**-6.69 dB**		
D3	M1	1	**236.8 kHz**	**-6.60 dB**		

Gandini 21023378



2 Marker Table

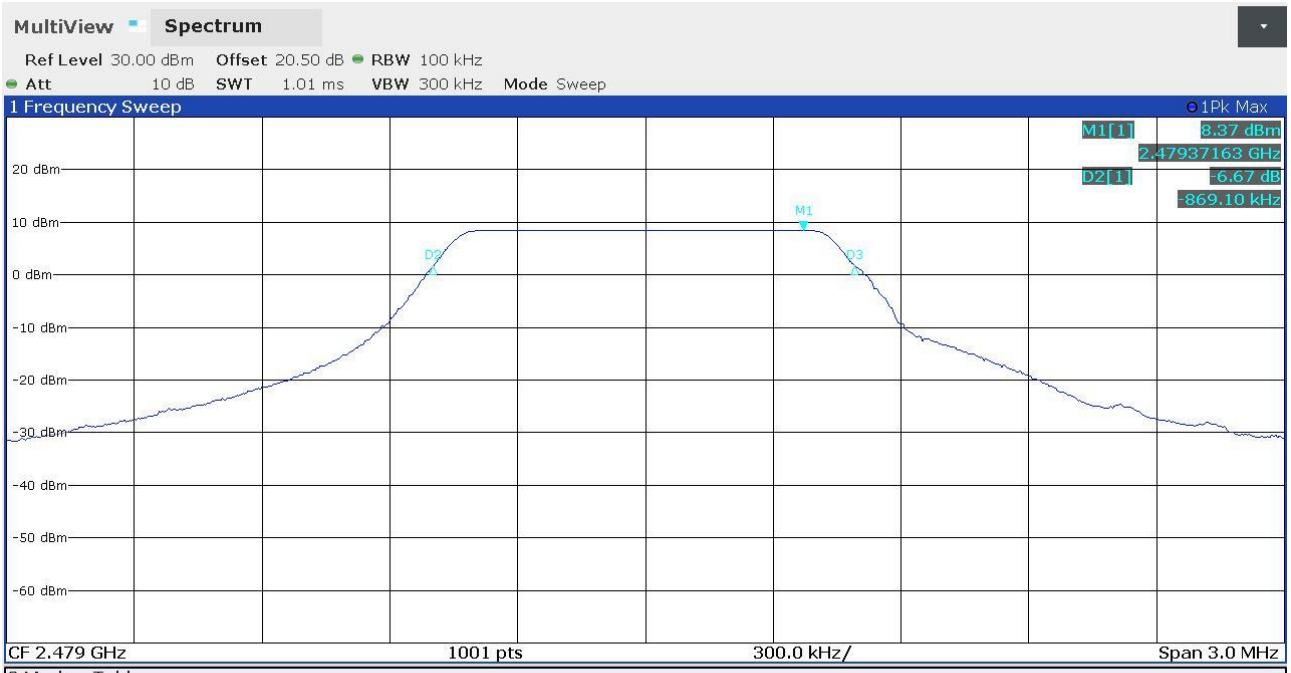
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**2.40429071 GHz**	**8.89 dBm**		
D2	M1	1	**-785.2 kHz**	**-6.54 dB**		
D3	M1	1	**197.8 kHz**	**-6.55 dB**		

Gandini 21023379

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**2.44032967 GHz**	**8.52 dBm**		
D2	M1	1	**-824.2 kHz**	**-6.52 dB**		
D3	M1	1	**158.8 kHz**	**-6.57 dB**		

Gandini 21023380



2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**2.47937163 GHz**	**8.37 dBm**		
D2	M1	1	**-869.1 kHz**	**-6.67 dB**		
D3	M1	1	**119.9 kHz**	**-6.53 dB**		

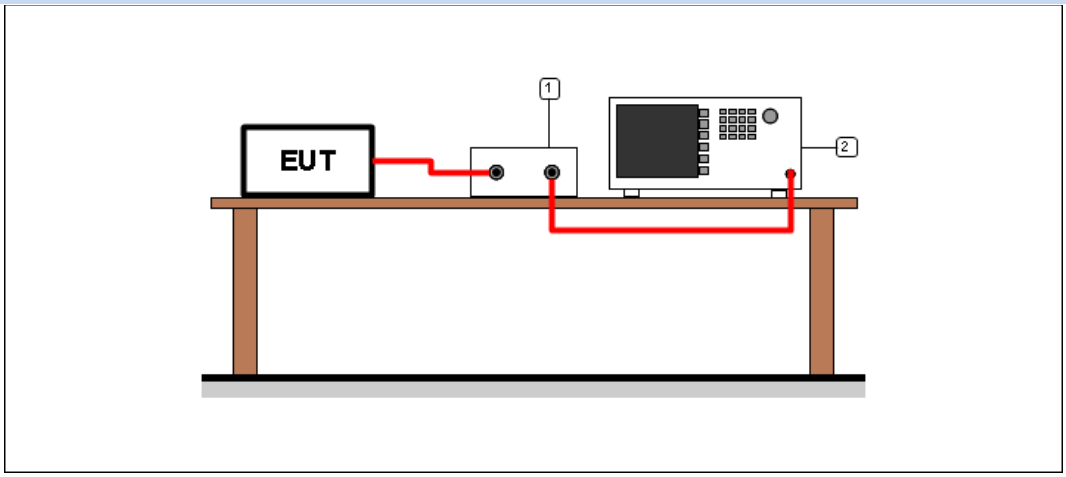
9.4 20 dB bandwidth

Tested by ..... :	G. Gandini
Test date ..... :	23.03.2021
Test location (stand) ..... :	Laboratory
Reference standards ..... :	FCC Rules and Regulation; Titles 47 Part. 15.215 (c) ANSI C63.10 cl. 7.8.7
Supplementary test set-up description ..... :	--
Supplementary information..... :	--

Acceptance limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated

Test setup



Test setup PR002_01				
Nr.	*Id. Number*	*Manufacturer*	*Model*	*Description*
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

Result

Chip A

Frequency (MHz)	*Graphs*	*20 dB bandwidth (kHz)*	*Results*
2404	G21023366	950,10	Complies
2440	G21023365	944,10	Complies
2479	G21023364	947,10	Complies

Chip B

Frequency (MHz)	*Graphs*	*20 dB bandwidth (kHz)*	*Results*
2404	G21023384	941,10	Complies
2440	G21023385	941,10	Complies
2479	G21023386	944,10	Complies