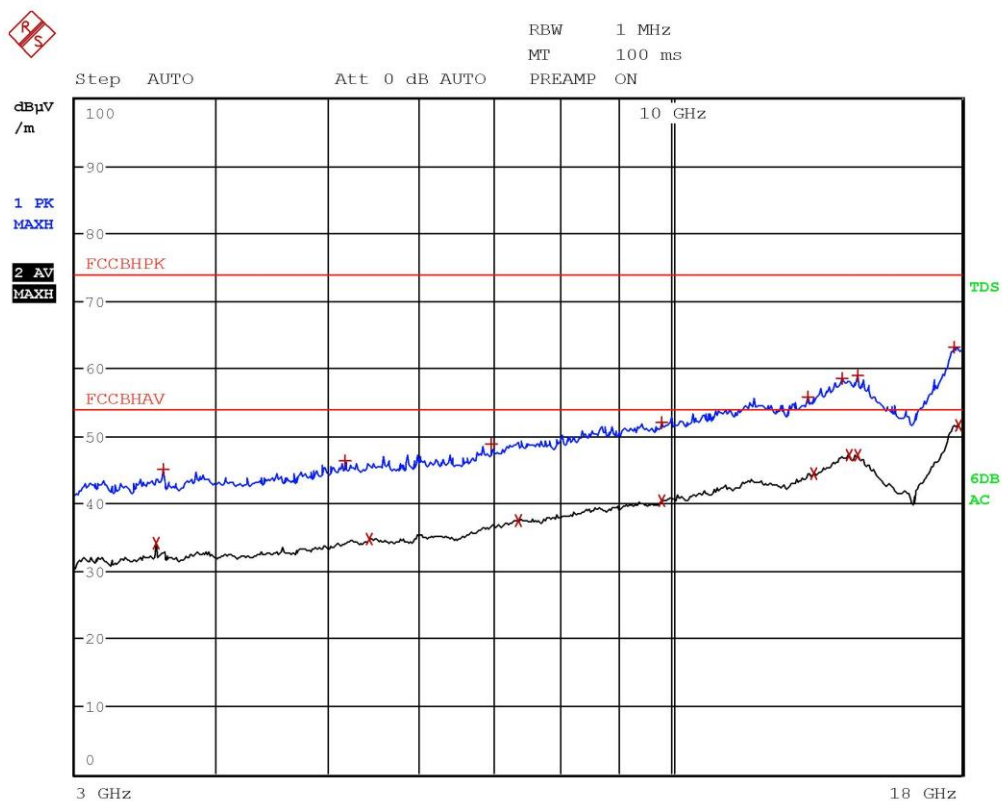




EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	3.5356 GHz	34.00	-19.97
1 Max Peak	3.5788 GHz	44.34	-29.63
1 Max Peak	5.2412 GHz	46.35	-27.62
2 Average	5.42 GHz	34.56	-19.41
1 Max Peak	7.236 GHz	48.87	-25.10
2 Average	7.3208 GHz	37.50	-16.47
1 Max Peak	9.8648 GHz	52.06	-21.91
2 Average	9.8676 GHz	40.42	-13.55
2 Average	13.2332 GHz	44.28	-9.69
1 Max Peak	13.322 GHz	55.51	-18.46
2 Average	14.152 GHz	46.86	-7.11
1 Max Peak	14.238 GHz	58.71	-15.27
2 Average	14.58 GHz	47.01	-6.96
1 Max Peak	14.6132 GHz	59.04	-14.93
1 Max Peak	17.7928 GHz	63.41	-10.56
2 Average	17.876 GHz	51.62	-2.35

Zanivan 20168589

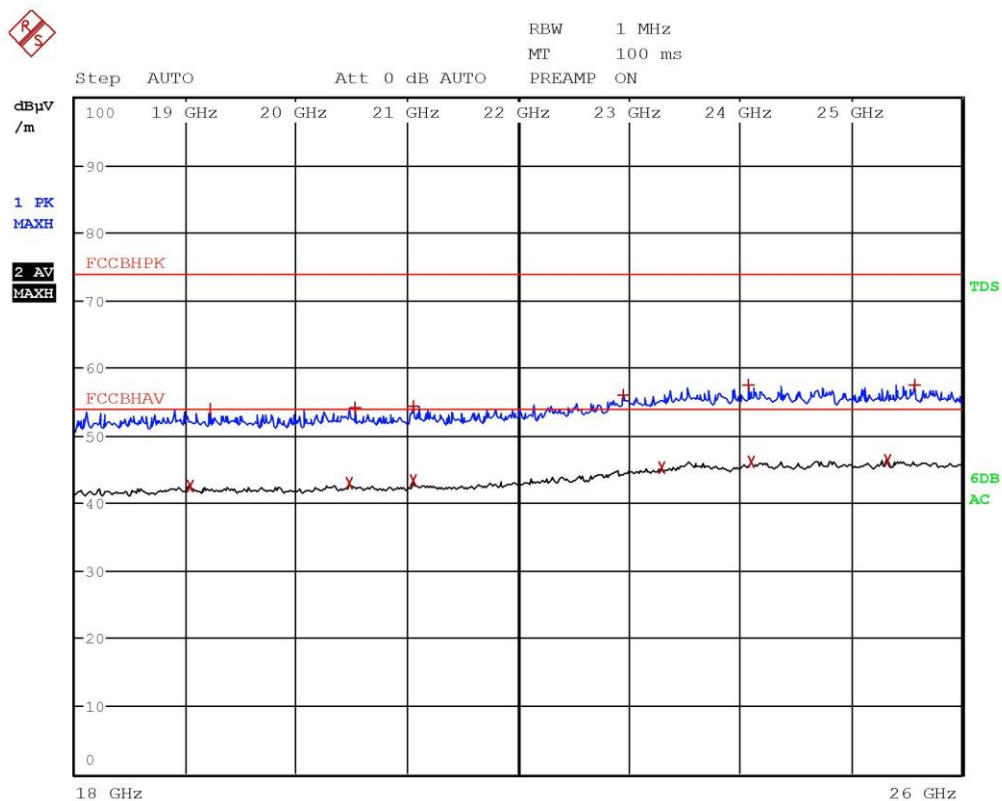


Zanivan 20168590



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	3.5356 GHz	34.03	-19.94
1 Max Peak	3.5792 GHz	45.12	-28.85
1 Max Peak	5.178 GHz	46.29	-27.68
2 Average	5.4332 GHz	34.70	-19.27
1 Max Peak	6.964 GHz	48.88	-25.09
2 Average	7.344 GHz	37.53	-16.44
1 Max Peak	9.8104 GHz	51.91	-22.06
2 Average	9.8256 GHz	40.38	-13.59
1 Max Peak	13.2056 GHz	55.86	-18.11
2 Average	13.3504 GHz	44.36	-9.61
1 Max Peak	14.1492 GHz	58.50	-15.47
2 Average	14.3592 GHz	47.14	-6.83
2 Average	14.5772 GHz	47.06	-6.91
1 Max Peak	14.5908 GHz	59.01	-14.96
1 Max Peak	17.744 GHz	63.21	-10.76
2 Average	17.876 GHz	51.66	-2.31

Zanivan 20168590

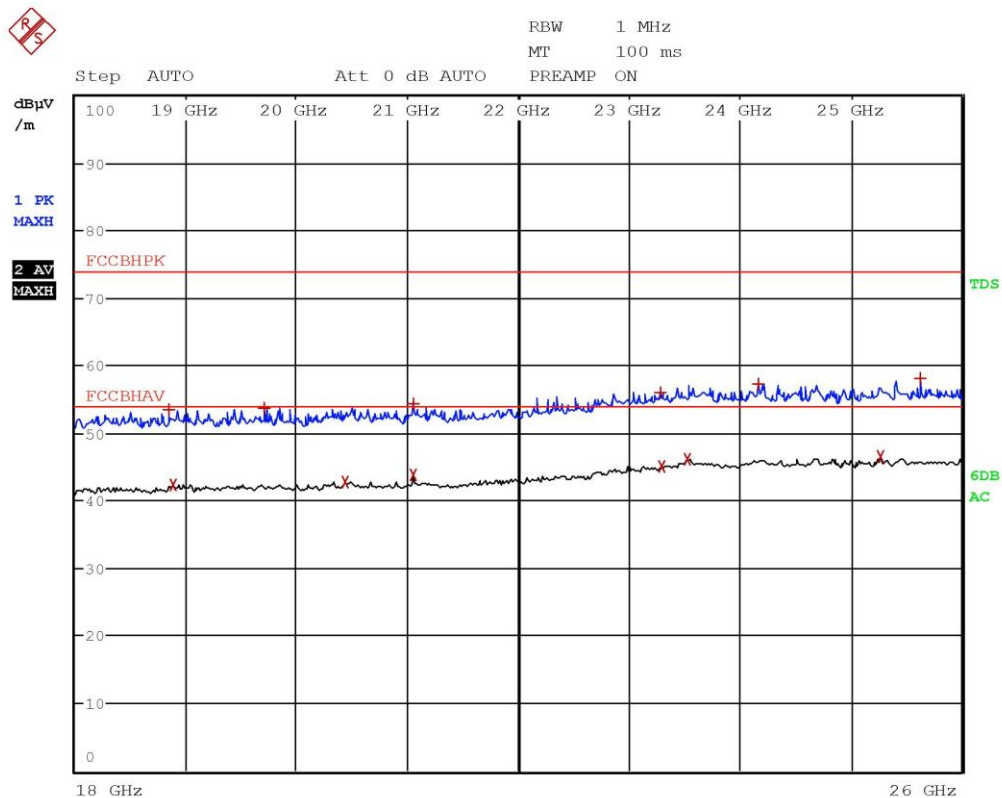


Zanivan 20168592



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	19.0416 GHz	42.45	-11.52
1 Max Peak	19.212 GHz	53.92	-20.05
2 Average	20.48 GHz	43.04	-10.93
1 Max Peak	20.5196 GHz	54.12	-19.85
2 Average	21.0532 GHz	43.29	-10.68
1 Max Peak	21.0536 GHz	54.39	-19.58
1 Max Peak	22.9524 GHz	56.05	-17.92
2 Average	23.2928 GHz	45.17	-8.80
1 Max Peak	24.0828 GHz	57.53	-16.44
2 Average	24.106 GHz	46.17	-7.80
2 Average	25.3388 GHz	46.39	-7.58
1 Max Peak	25.5736 GHz	57.47	-16.50

Zanivan 20168592



Zanivan 20168593



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Max Peak	18.842 GHz	53.38	-20.59
2 Average	18.8852 GHz	42.34	-11.63
1 Max Peak	19.7056 GHz	53.67	-20.30
2 Average	20.4396 GHz	42.78	-11.19
1 Max Peak	21.0532 GHz	54.22	-19.75
2 Average	21.0532 GHz	43.74	-10.23
1 Max Peak	23.2788 GHz	56.09	-17.89
2 Average	23.3008 GHz	45.10	-8.87
2 Average	23.5268 GHz	46.10	-7.87
1 Max Peak	24.1668 GHz	57.30	-16.67
2 Average	25.2736 GHz	46.45	-7.52
1 Max Peak	25.6256 GHz	57.99	-15.98

Zanivan 20168593



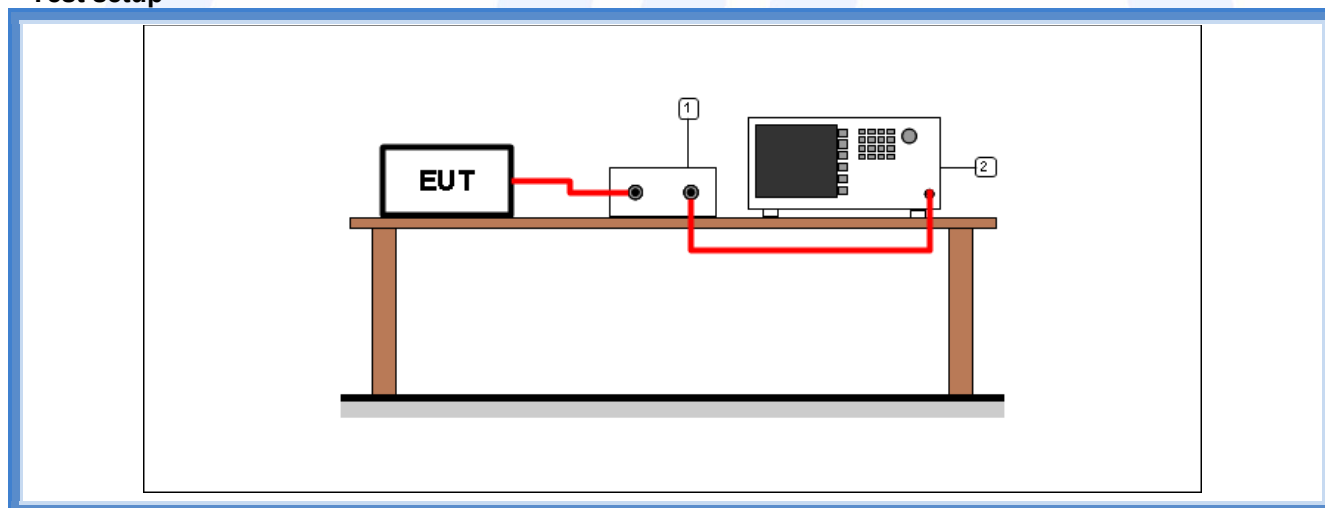
9.3 DTS bandwidth

Tested by	M. Segalla
Test date	28.09.2020
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 – WiFi mode N (MCS0)

Frequency (MHz)	Graphs	6 dB bandwidth (kHz)	Minimum 6 dB bandwidth allowed (kHz)	Results
2412	G20168524	16583	500	Complies
2437	G20168529	17222	500	Complies
2462	G20168534	16543	500	Complies



Result – WiFi mode G

Frequency (MHz)	Graphs	6 dB bandwidth (kHz)	Minimum 6 dB bandwidth allowed (kHz)	Results
2412	G20168567	15904	500	Complies
2437	G20168572	15784	500	Complies
2462	G20168577	15824	500	Complies

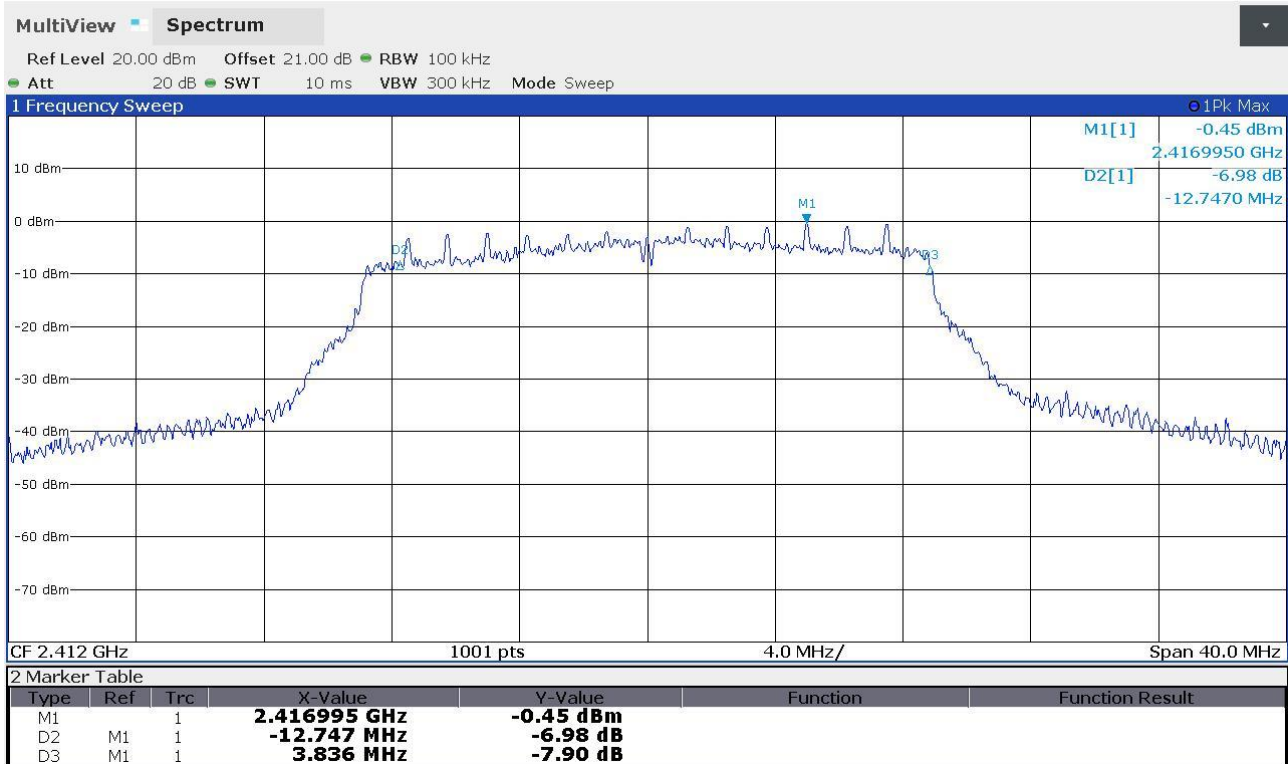
Result – WiFi mode B

Frequency (MHz)	Graphs	6 dB bandwidth (kHz)	Minimum 6 dB bandwidth allowed (kHz)	Results
2412	G201685A01	8751	500	Complies
2437	G201685A06	8911	500	Complies
2462	G201685A11	9191	500	Complies

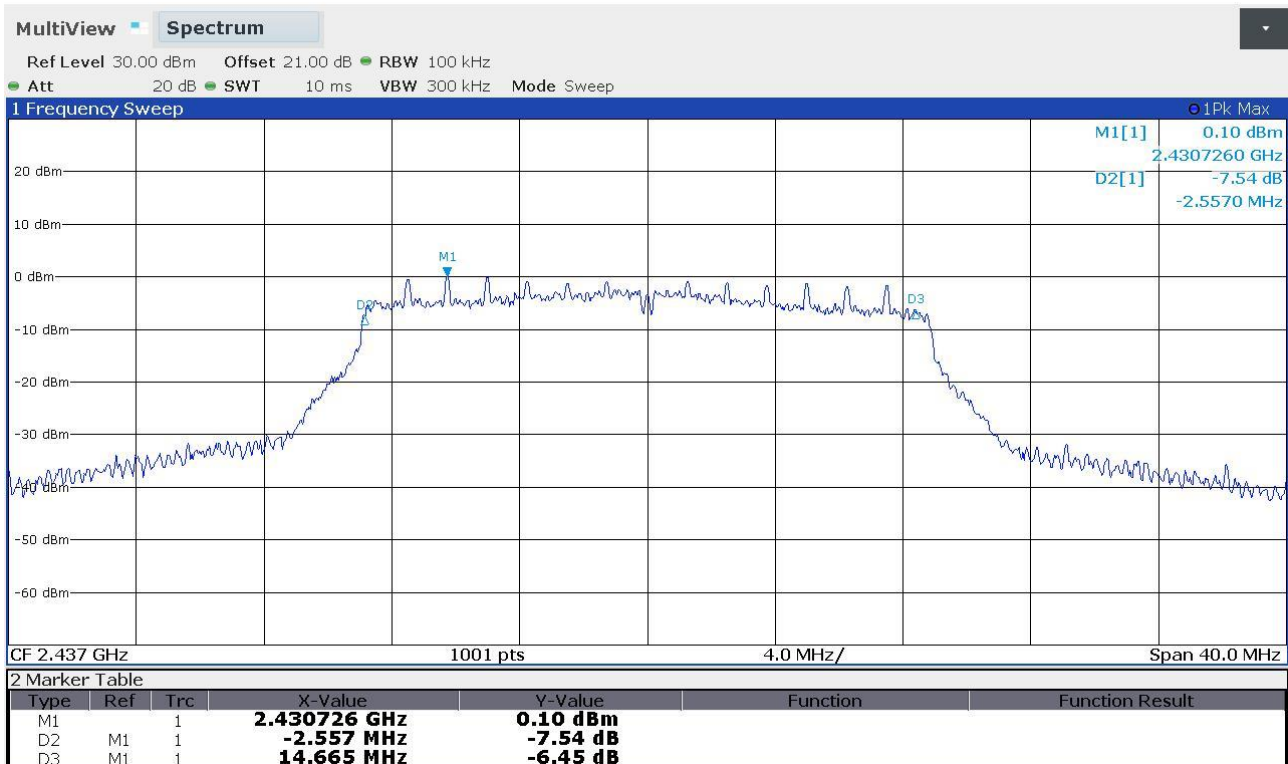


Graphs

Segalla 20168524

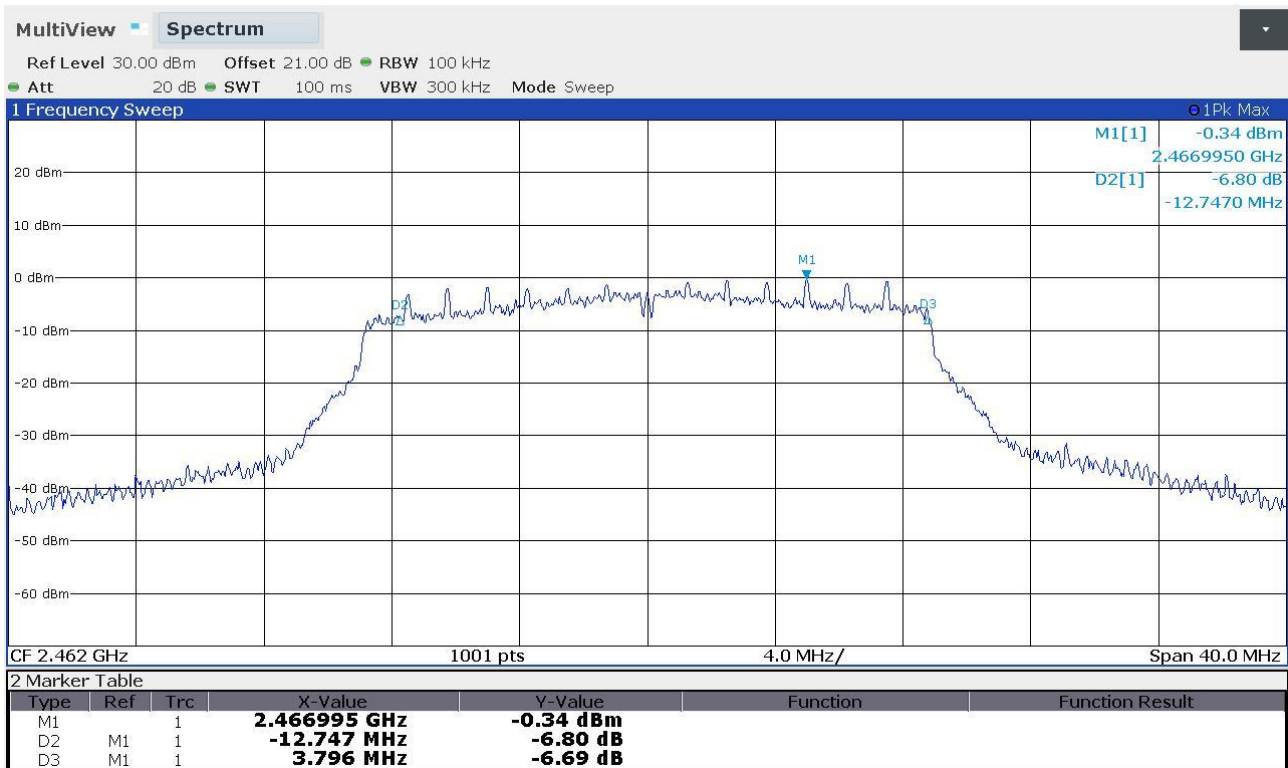


Segalla 20168529

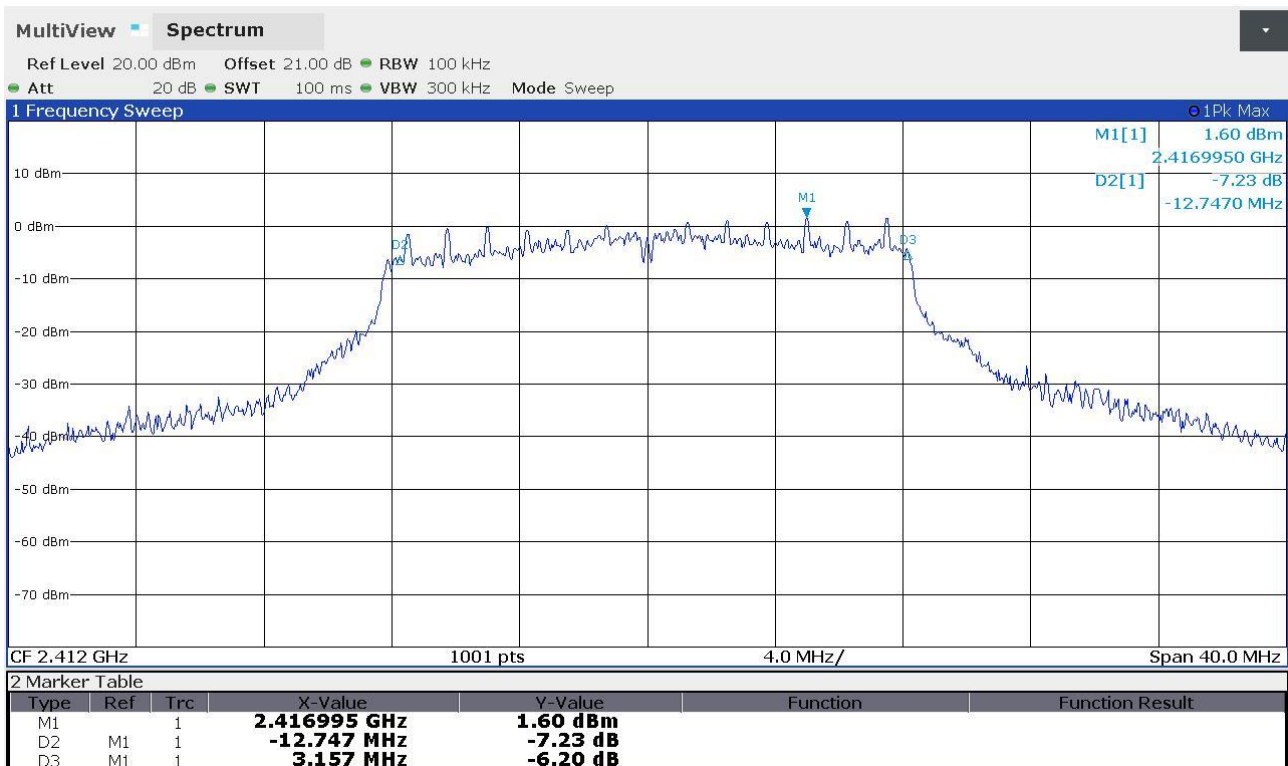




Segalla 20168534

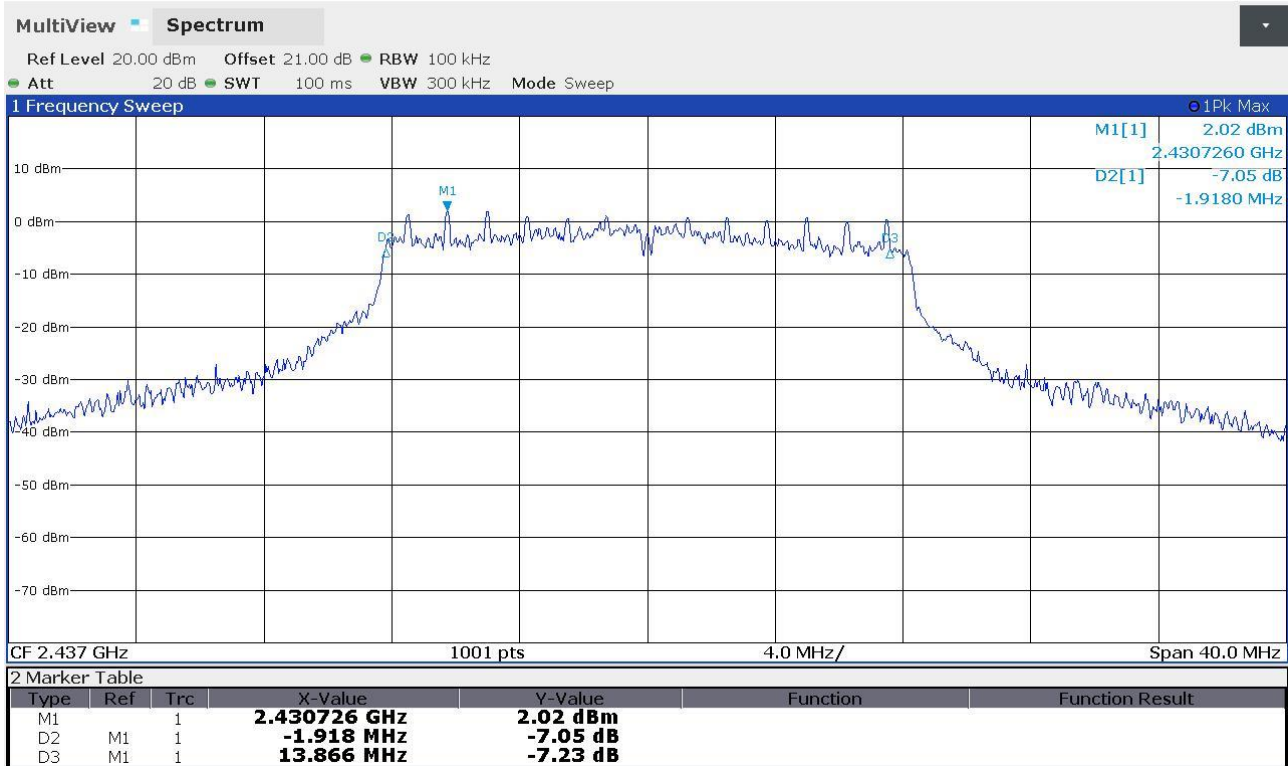


Segalla 20168567

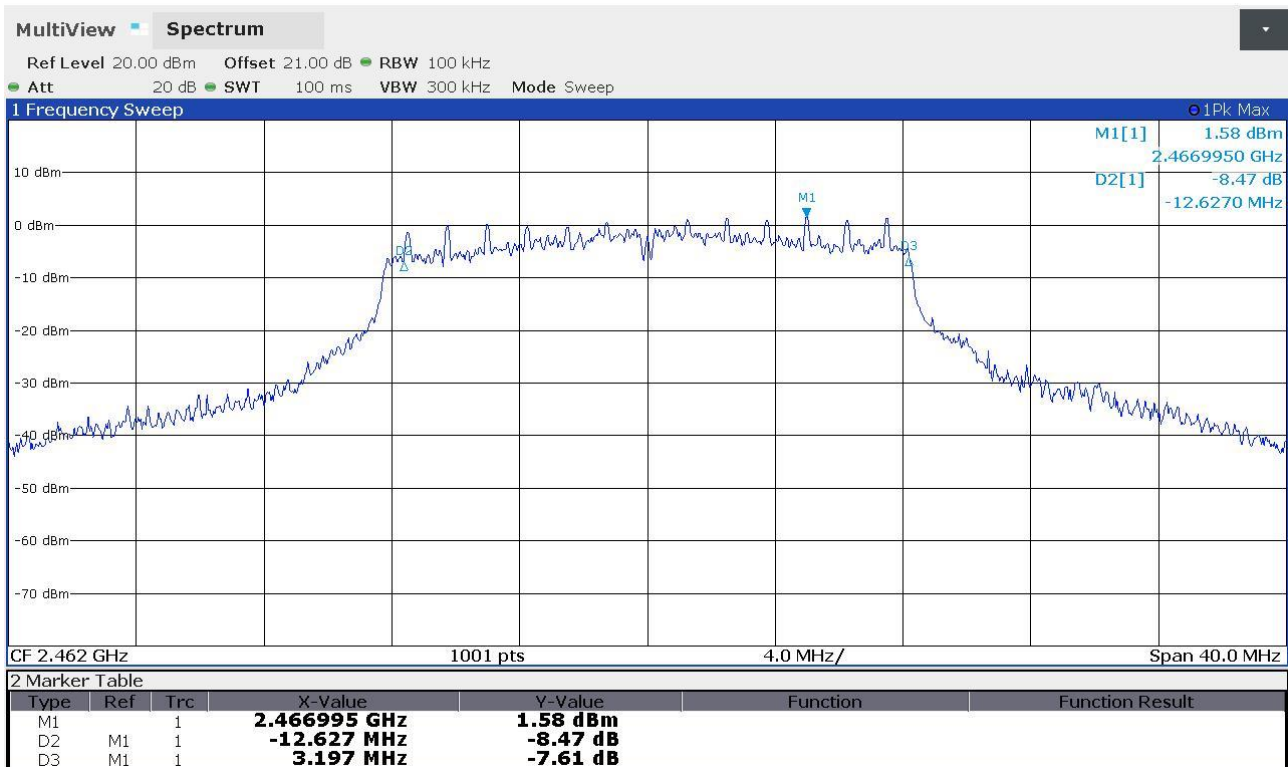




Segalla 20168572

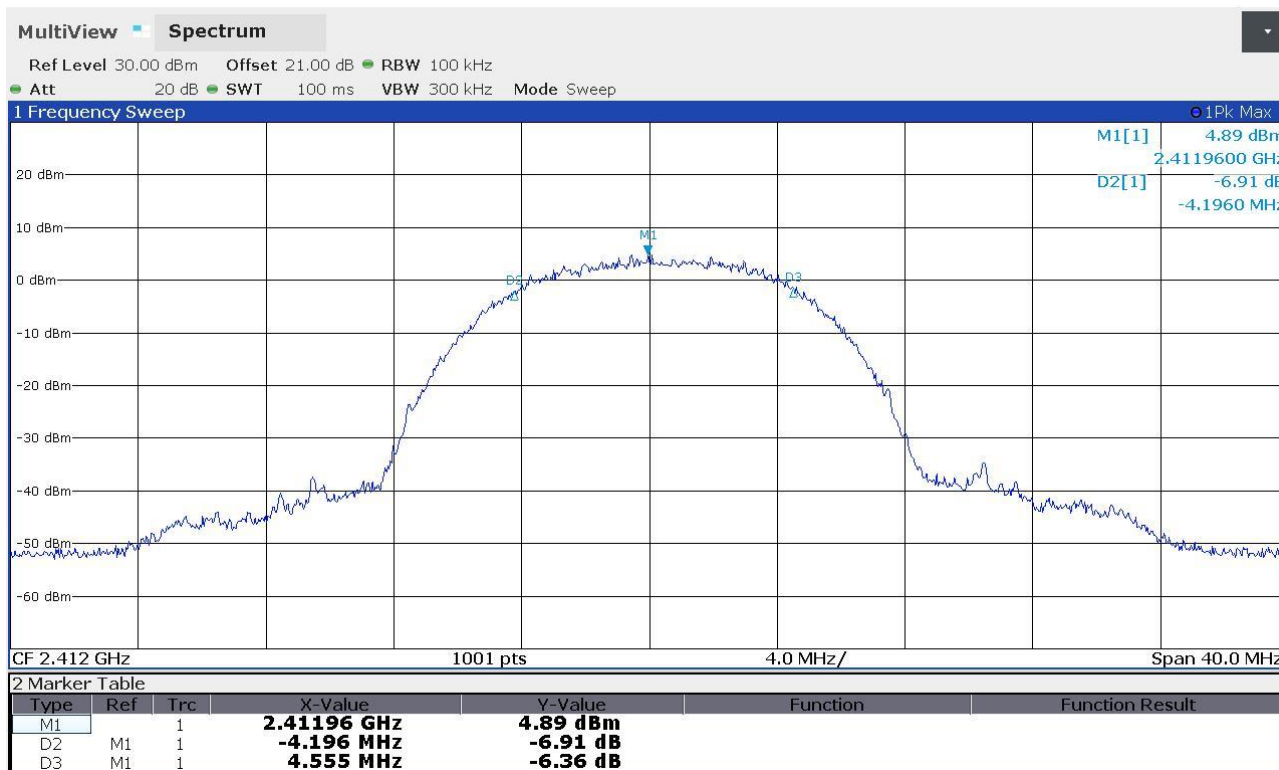


Segalla 20168577

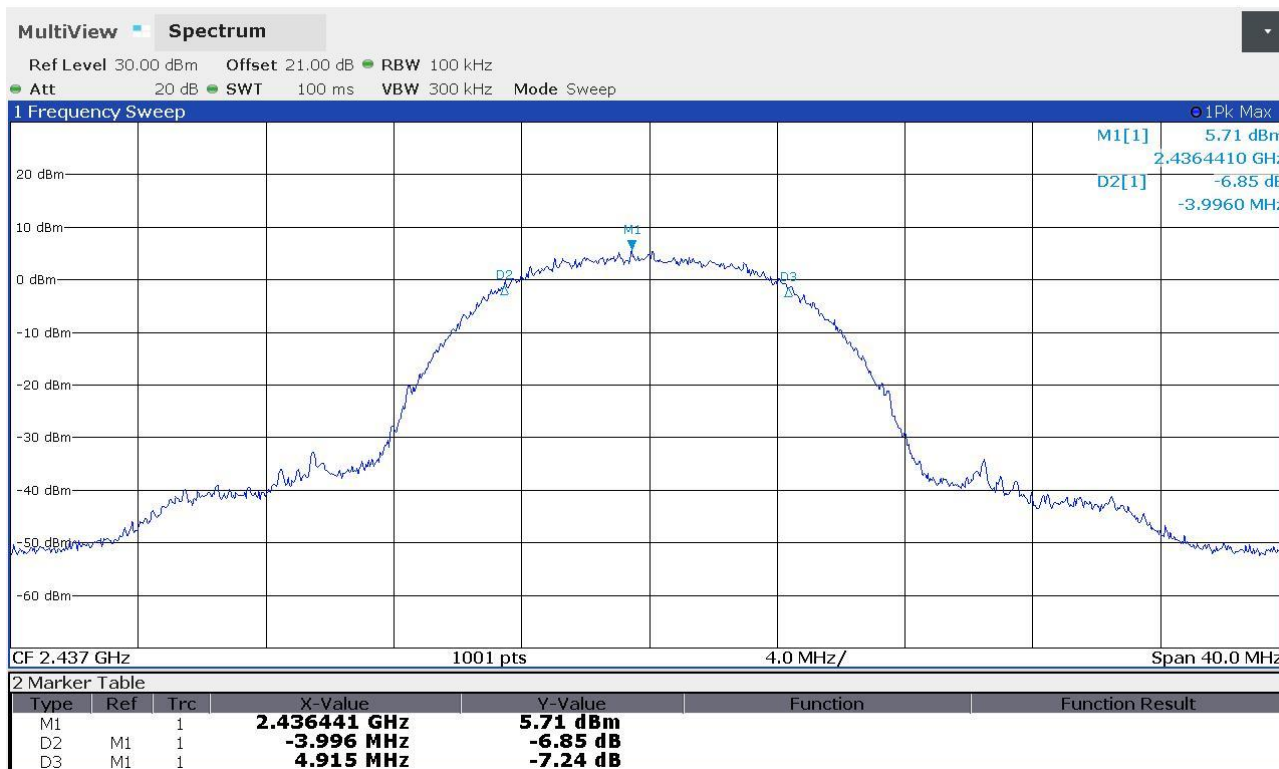




Segalla 201685A01

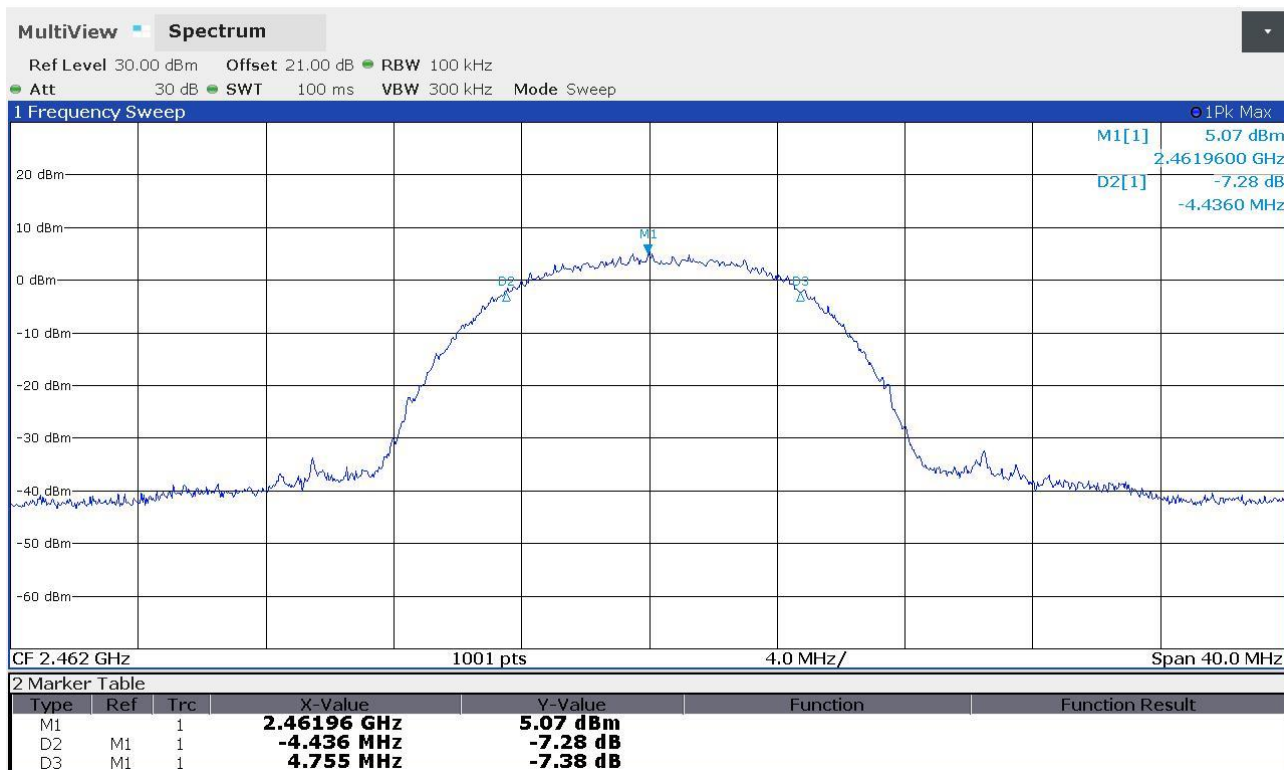


Segalla 201685A06





Segalla 201685A11





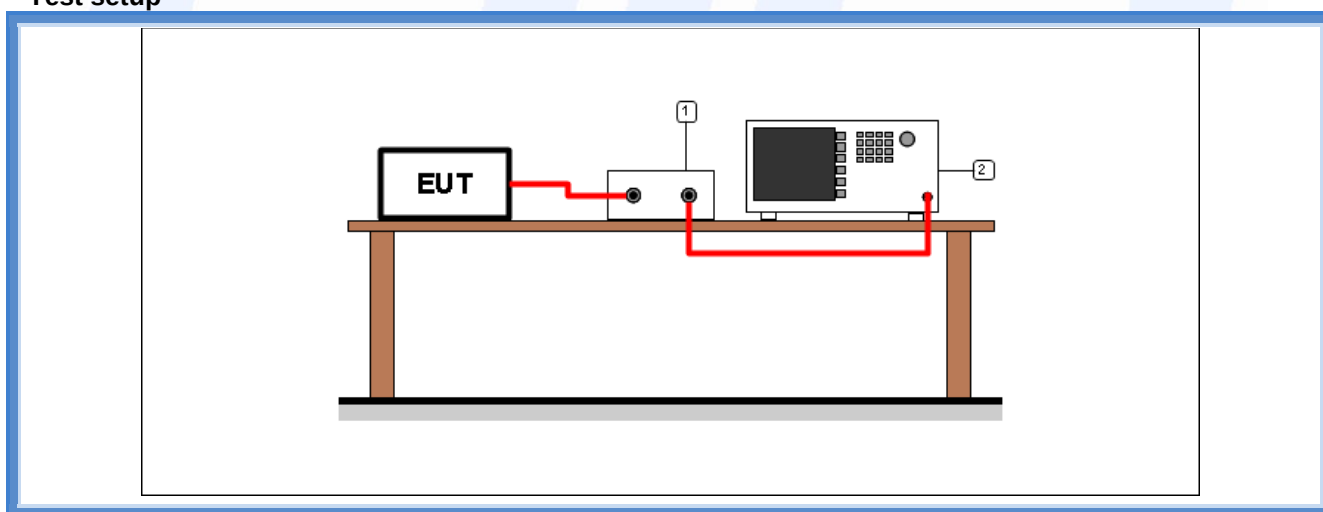
9.4 20 dB bandwidth

Tested by	M. Segalla
Test date	28.09.2020
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 – WiFi mode N (MCS0)

Frequency (MHz)	Graphs	20 dB bandwidth (kHz)	Results
2412	G20168525	21099	Complies
2437	G20168530	21259	Complies
2462	G20168535	21019	Complies



Result – WiFi mode G

Frequency (MHz)	Graphs	20 dB bandwidth (kHz)	Results
2412	G20168568	20500	Complies
2437	G20168573	20939	Complies
2462	G20168578	20739	Complies

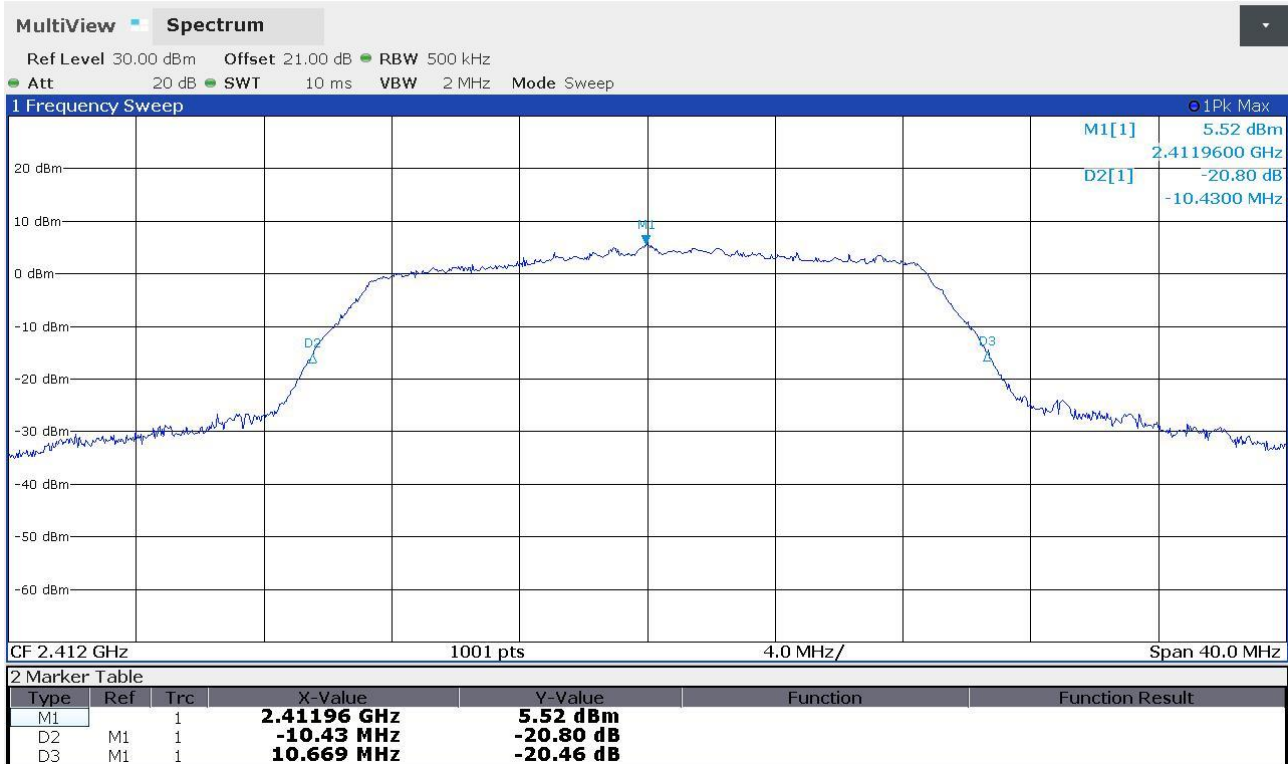
Result – WiFi mode B

Frequency (MHz)	Graphs	20 dB bandwidth (kHz)	Results
2412	G201685A02	13626	Complies
2437	G201685A07	13746	Complies
2462	G201685A12	13786	Complies

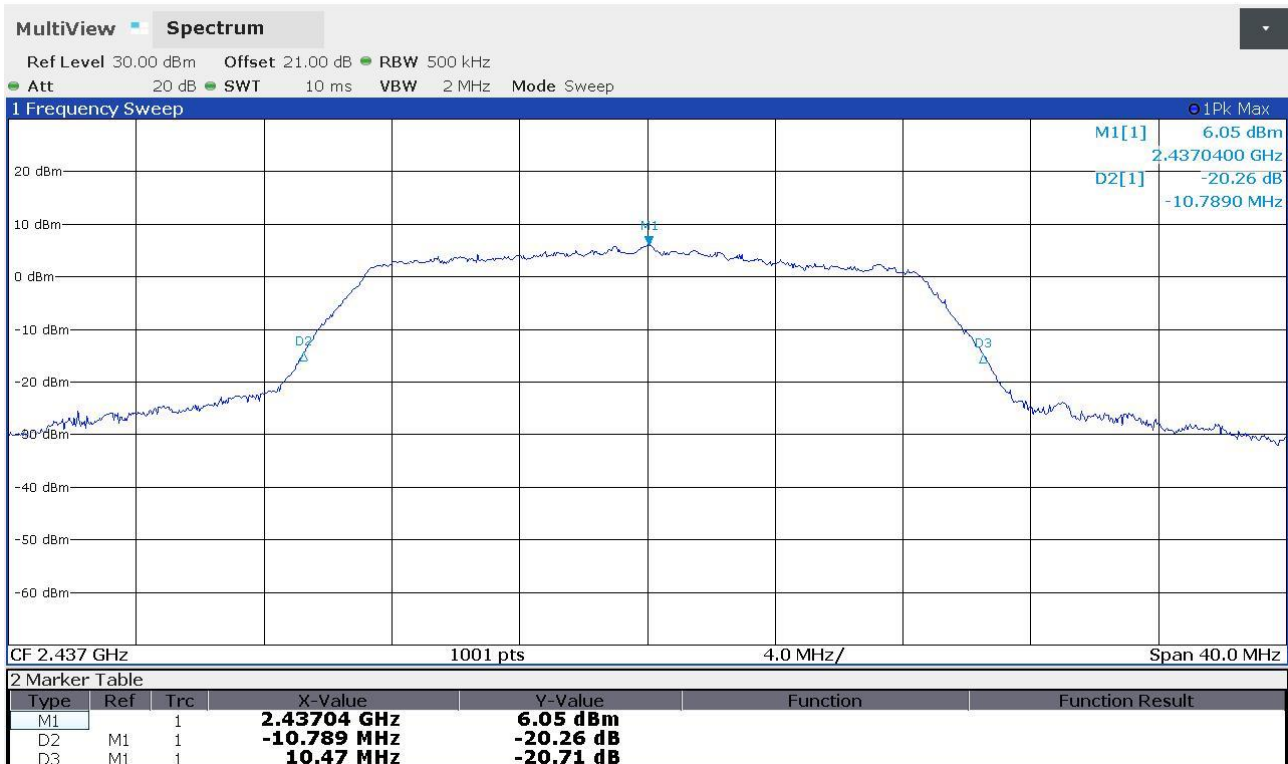


Graphs

Segalla 20168525

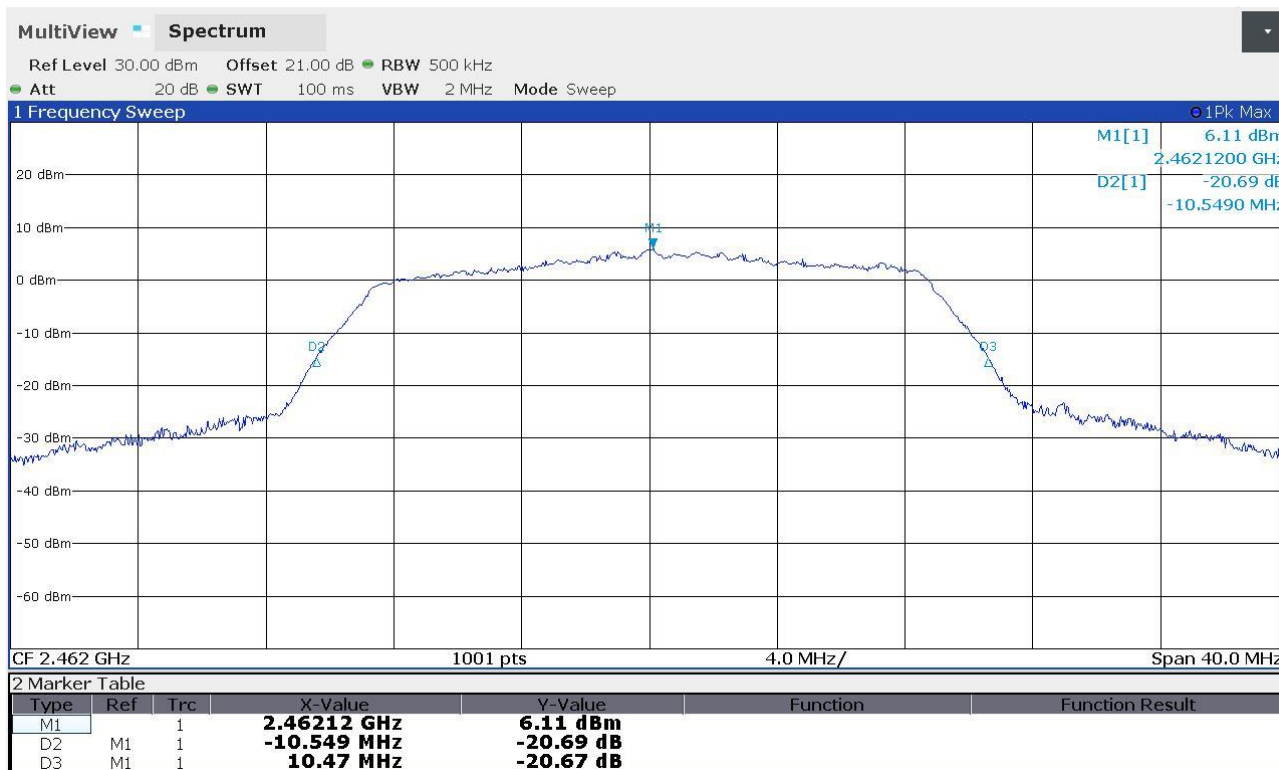


Segalla 20168530

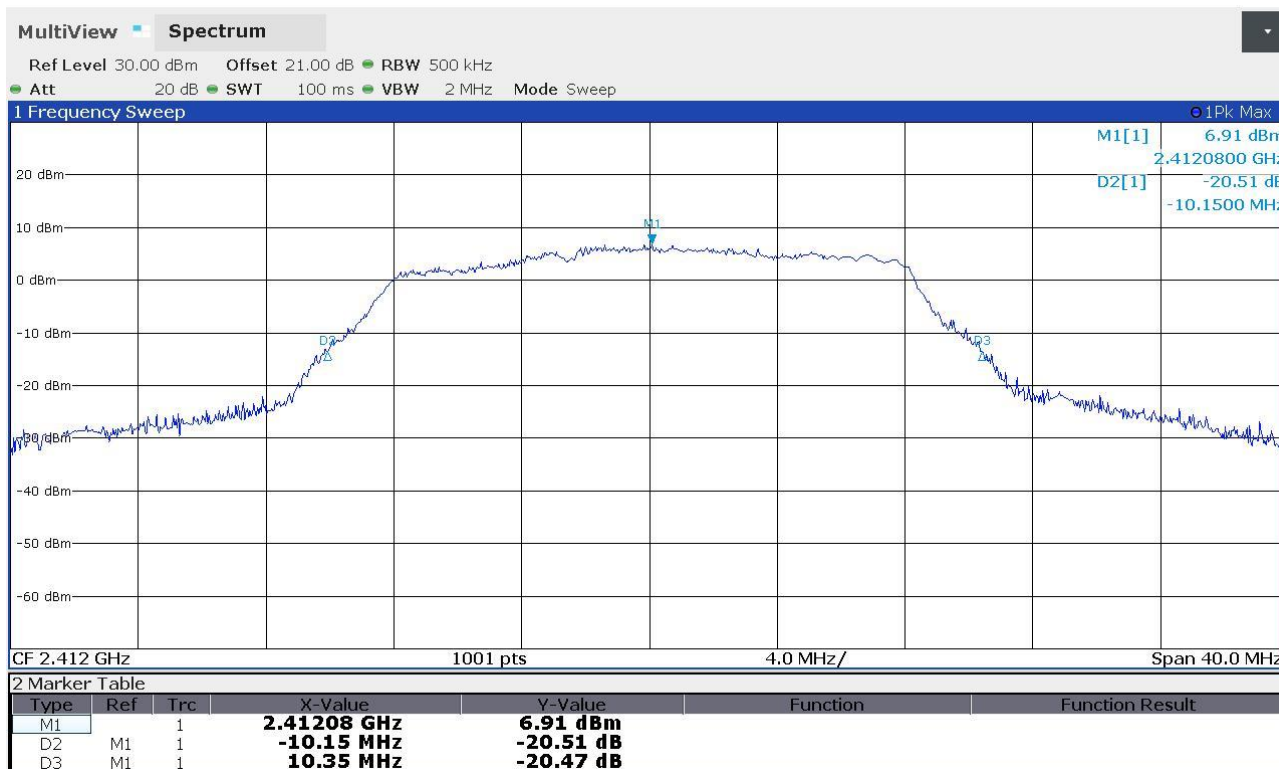




Segalla 20168535

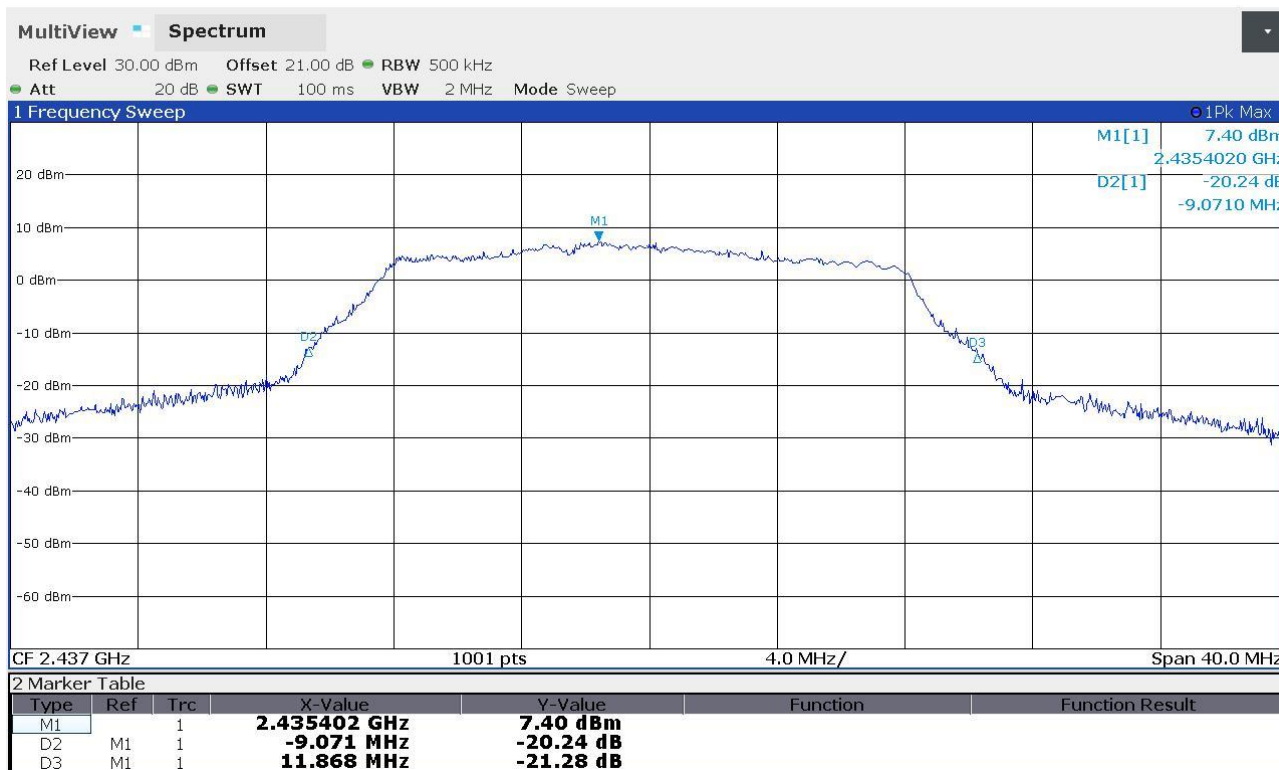


Segalla 20168568

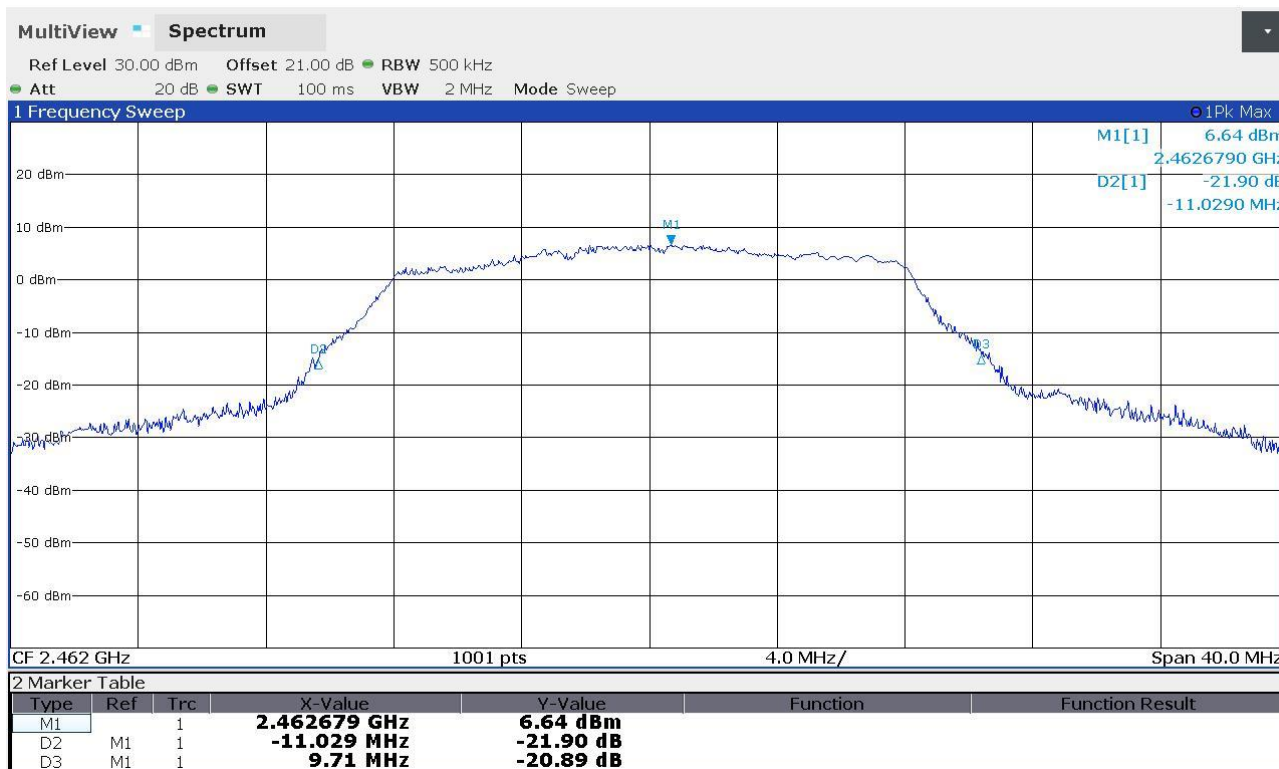




Segalla 20168573

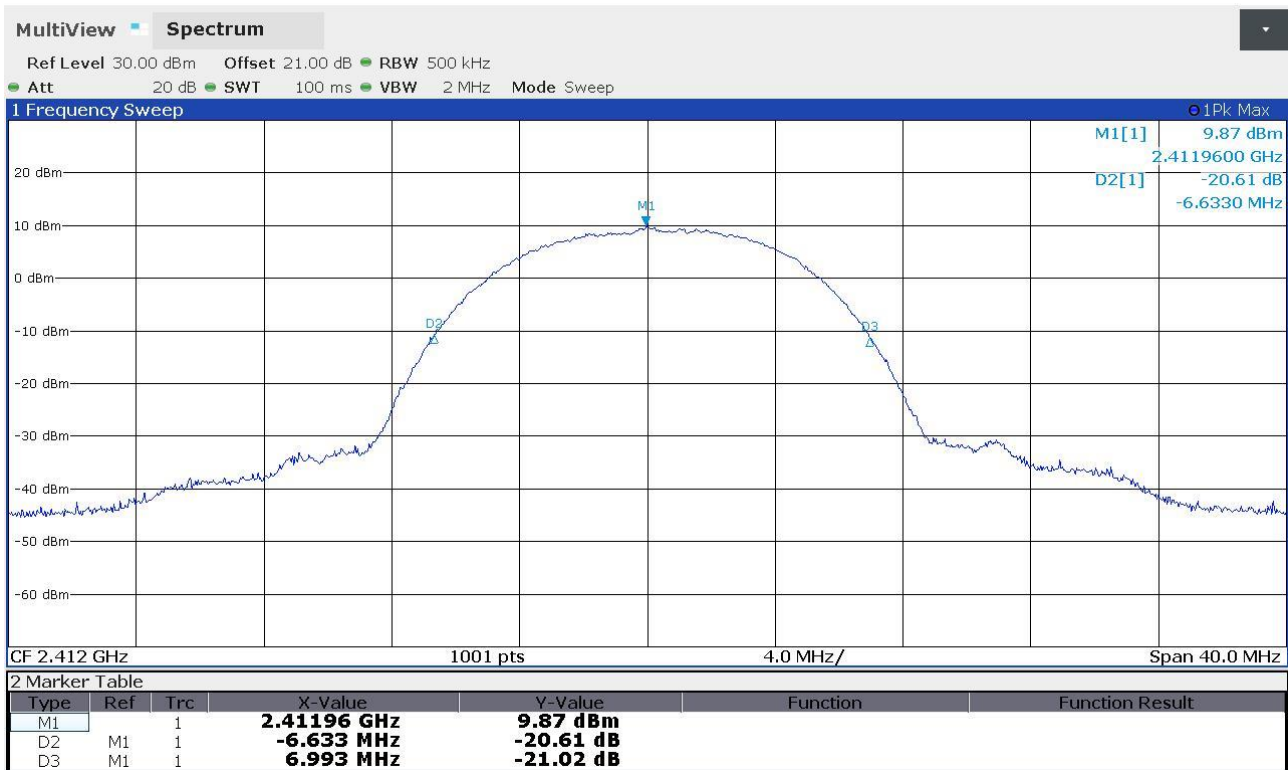


Segalla 20168578

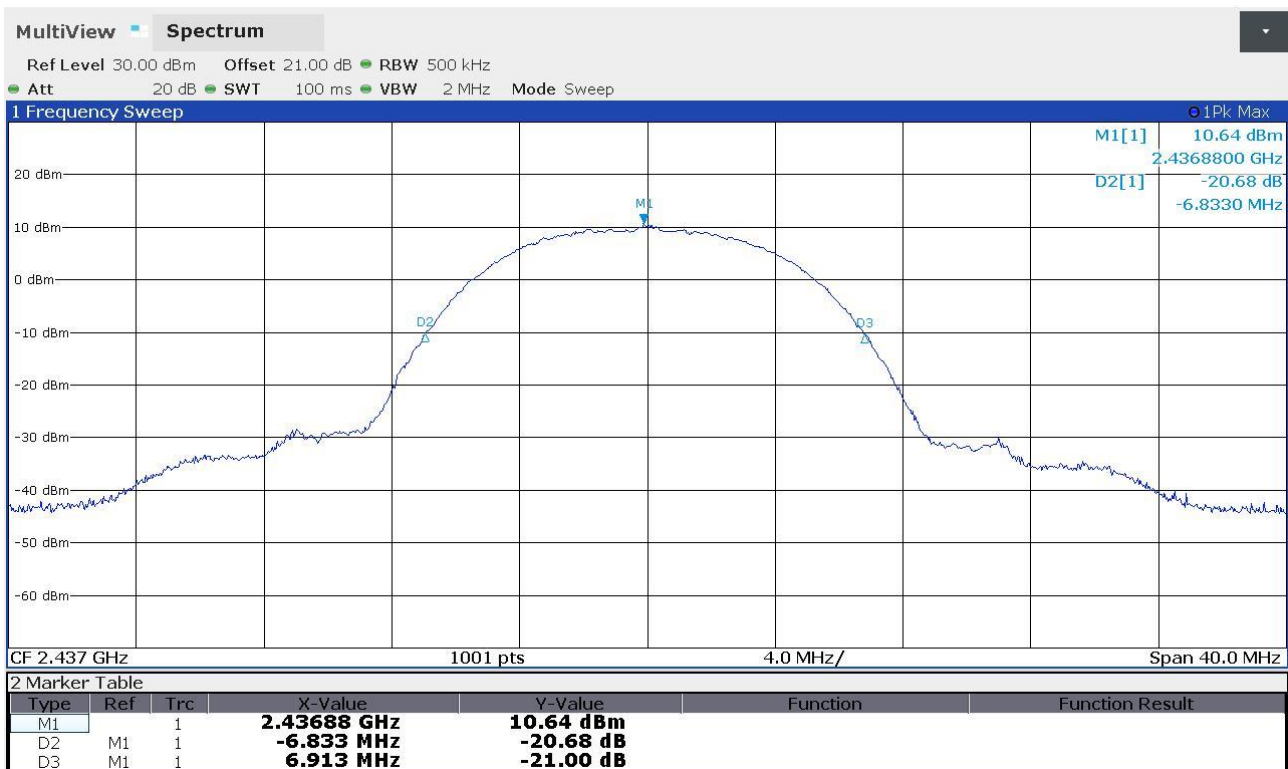




Segalla 201685A02

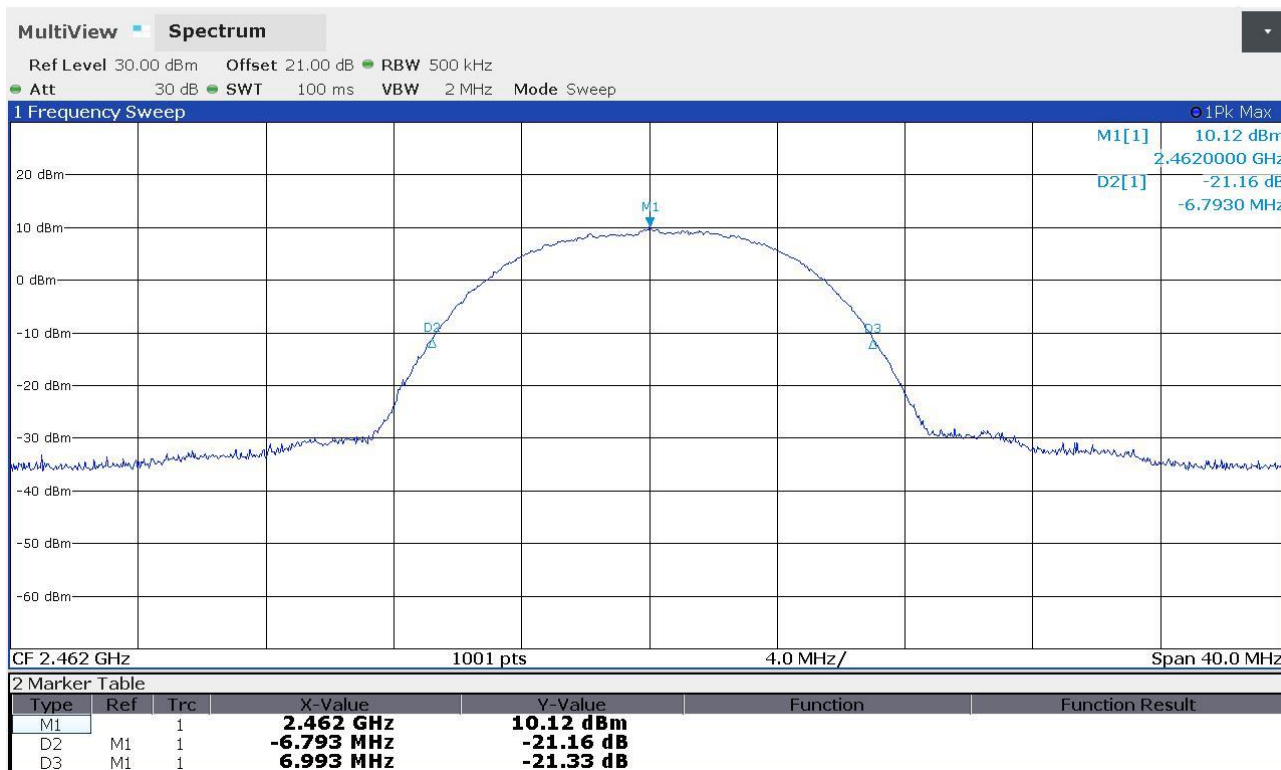


Segalla 201685A07





Segalla 201685A12





9.5 Band edge

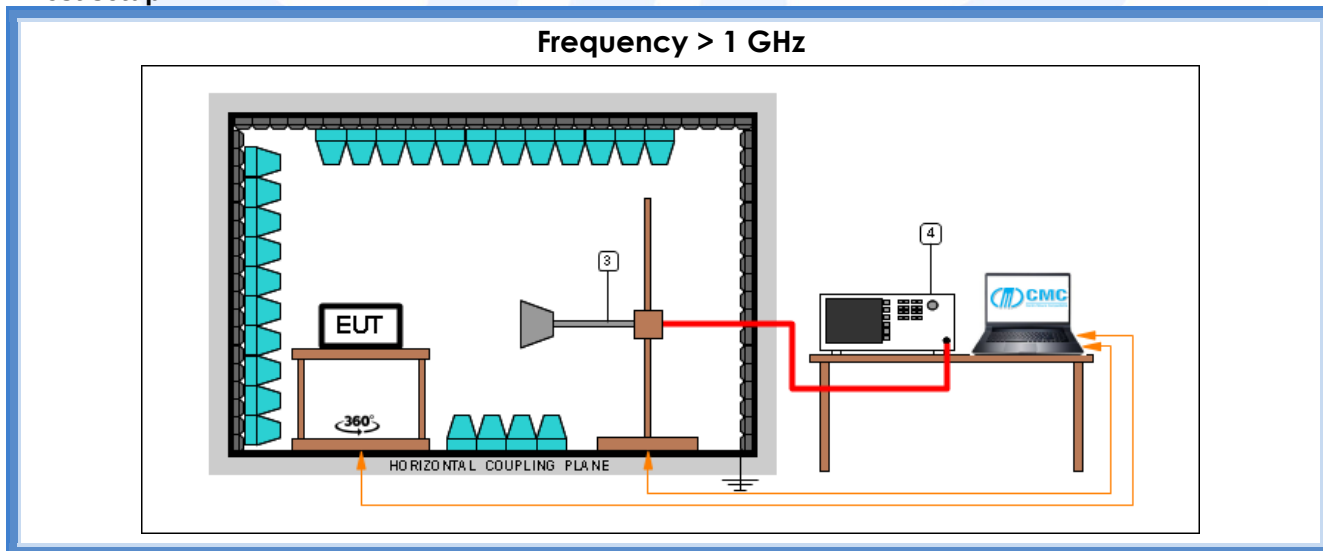
Tested by	M. Segalla
Test date	17.09.2020
Test location (stand)	Semi-anechoic chamber (CMC A070)
Reference standards	FCC Rules and Regulation; Titles 47 Part 15.205, 15.209, 15.247 (d) ANSI C63.10 cl. 11.11.1 and 11.12.1 KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.7
Supplementary test set-up description	--
Supplementary information	--

Acceptance limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Operation within the band 2400 – 2483,5 MHz

Test setup



Test setup PE004_04				
Nr.	Id. Number	Manufacturer	Model	Description
4	CMC S164	Rohde & Schwarz	ESU26	Receiver 20 Hz - 26.5 GHz
3	CMC S108	Emco	3115	Waveguide antenna



Result – WiFi mode N (MCS0)

Channel	Bandwidth	Graph(s)	Results	
Lowest	1 MHz	G20168503	--	*
Lowest	100 kHz	G20168504	2402,5641 MHz	Complies
Highest	1 MHz	G20168501	2479,3300 MHz	Complies
Highest	1 MHz	G20168502	--	**

*: this graph shows the emissions in 2310 – 2390 MHz restricted band

**: this graph shows the emissions in 2483,5 – 2500 MHz restricted band

Result – WiFi mode G

Channel	Bandwidth	Graph(s)	Results	
Lowest	1 MHz	G20168556	--	*
Lowest	100 kHz	G20168557	2404,1667 MHz	Complies
Highest	1 MHz	G20168558	2481,6042 MHz	Complies
Highest	1 MHz	G20168591	--	**

*: this graph shows the emissions in 2310 – 2390 MHz restricted band

**: this graph shows the emissions in 2483,5 – 2500 MHz restricted band

Result – WiFi mode B

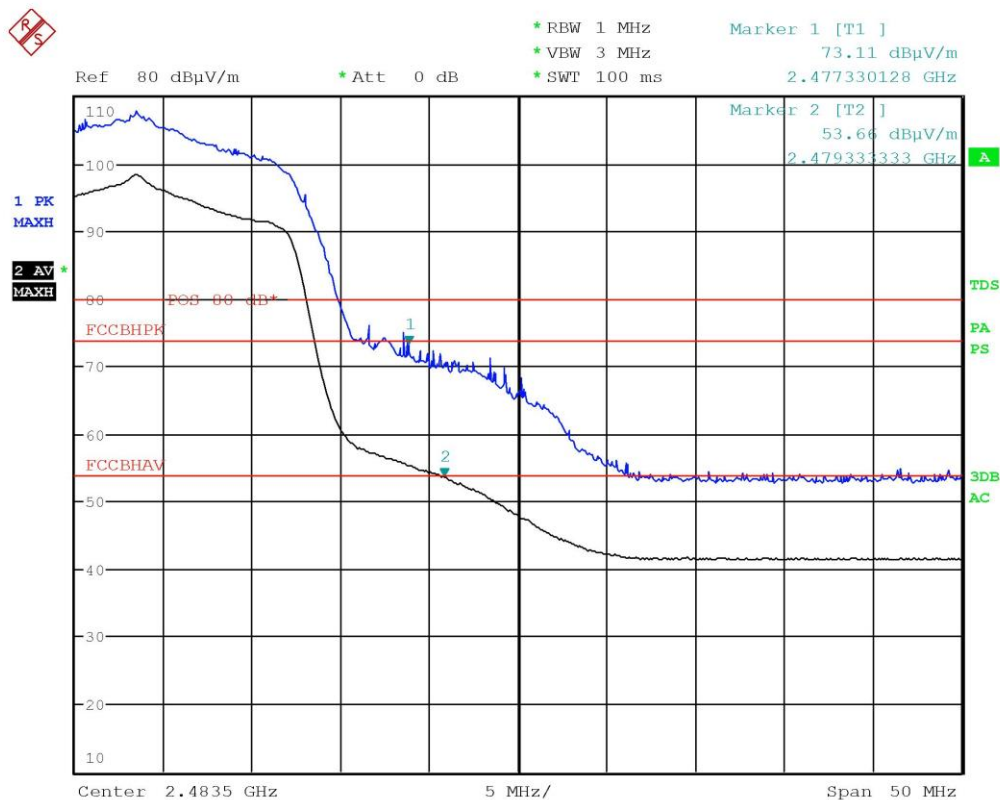
Channel	Bandwidth	Graph(s)	Results	
Lowest	1 MHz	G20168553	--	*
Lowest	100 kHz	G20168554	2405,1442 MHz	Complies
Highest	1 MHz	G20168555	2473,9471 MHz	Complies
Highest	1 MHz	G201685A21	--	**

*: this graph shows the emissions in 2310 – 2390 MHz restricted band

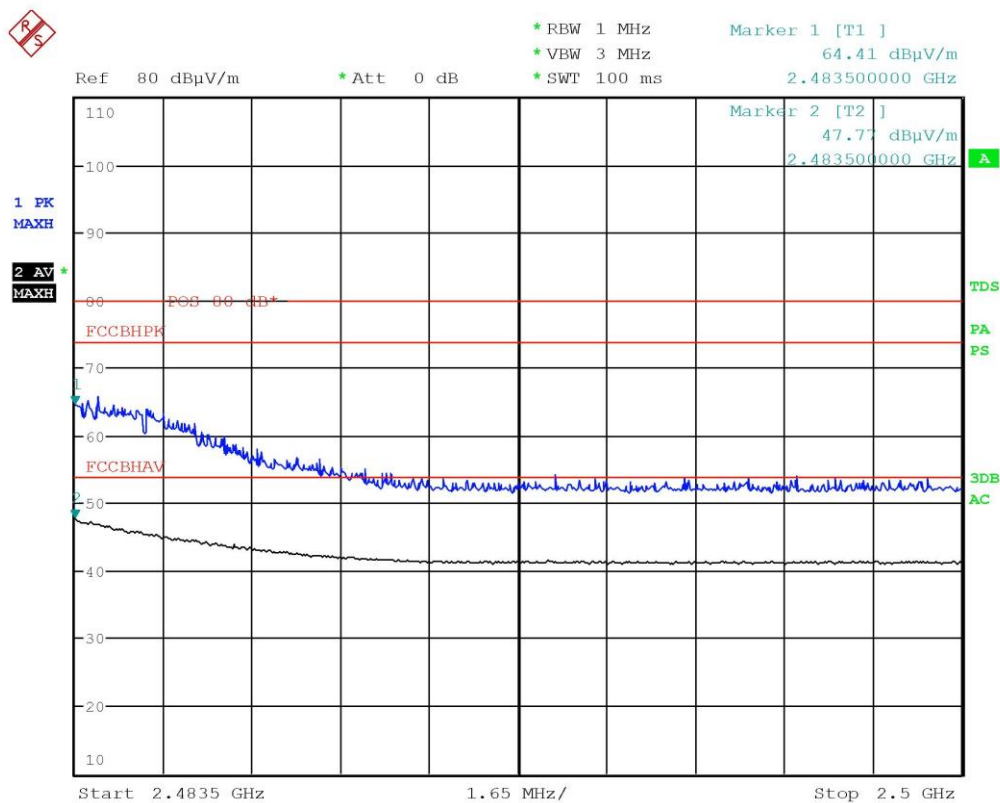
**: this graph shows the emissions in 2483,5 – 2500 MHz restricted band



Graphs



Segalla 20168501



Segalla 20168502