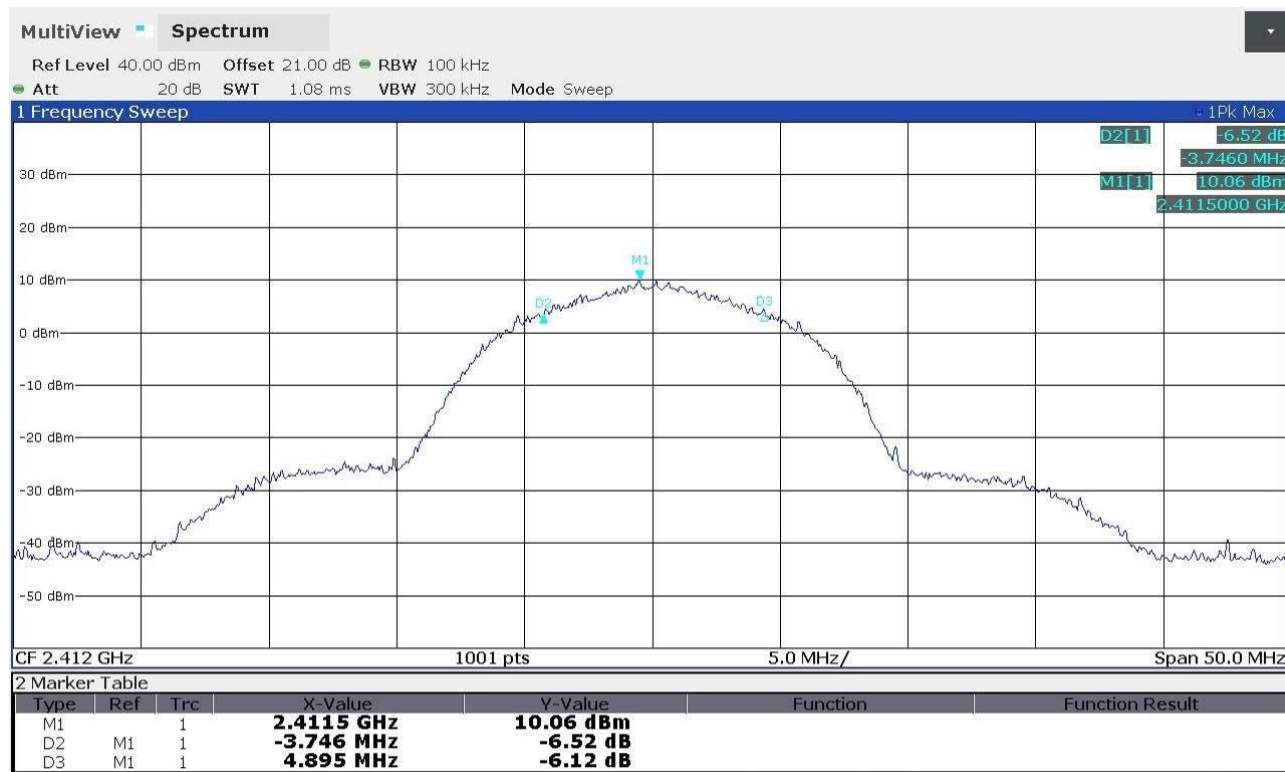


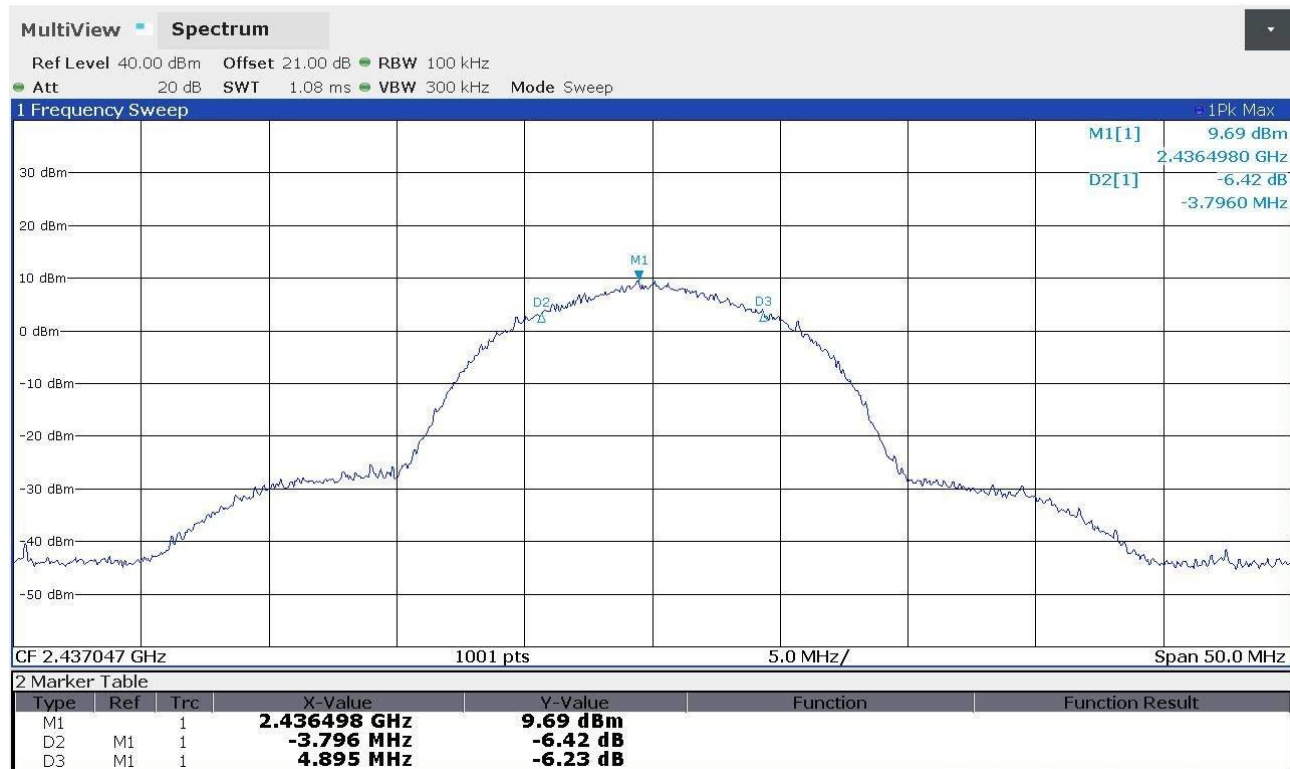


Graphs

De Rosso 20246238



De Rosso 202462345

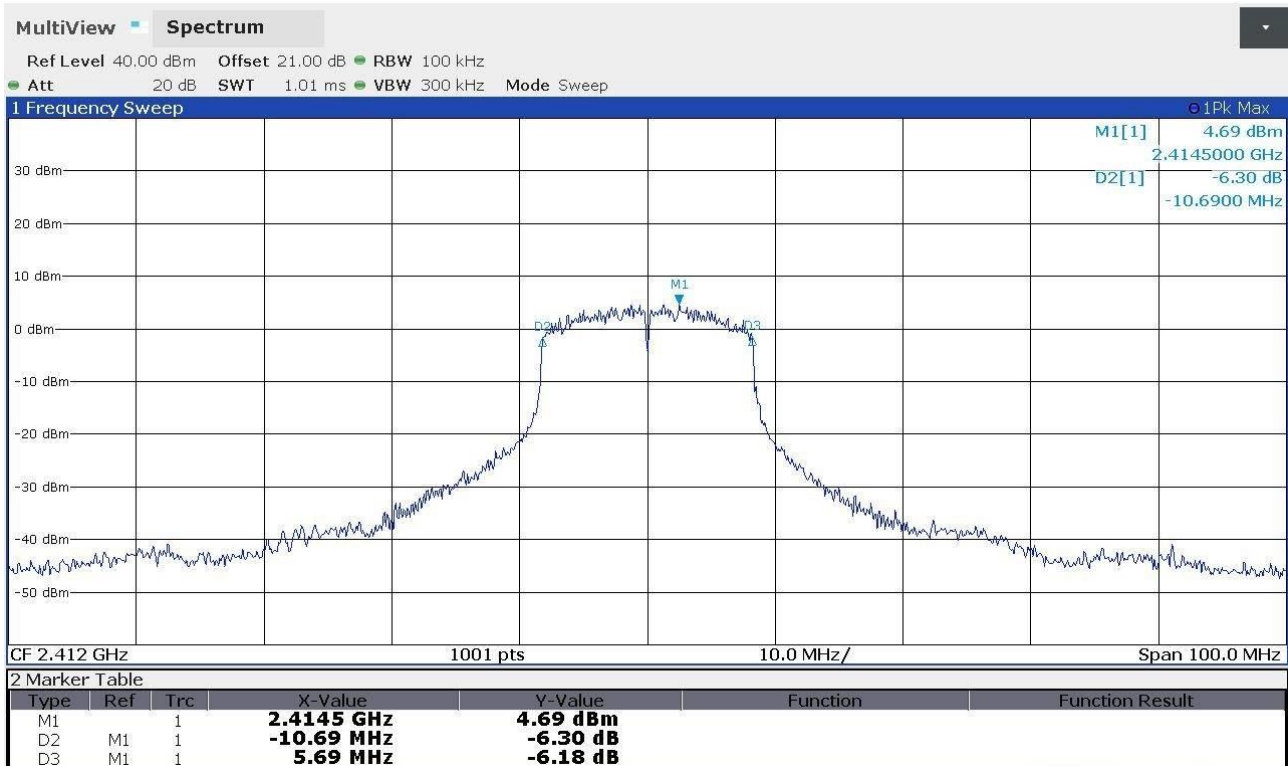




De Rosso 20246252

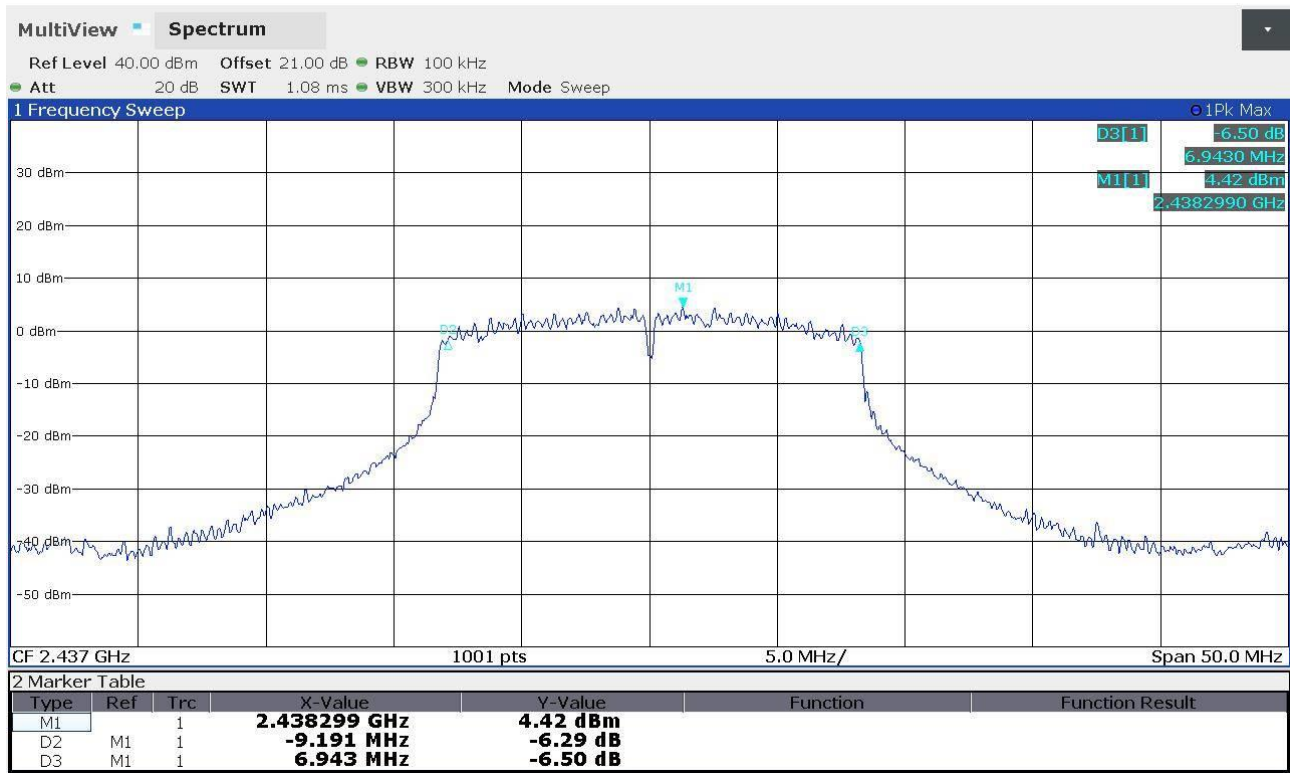


De Rosso 20246259

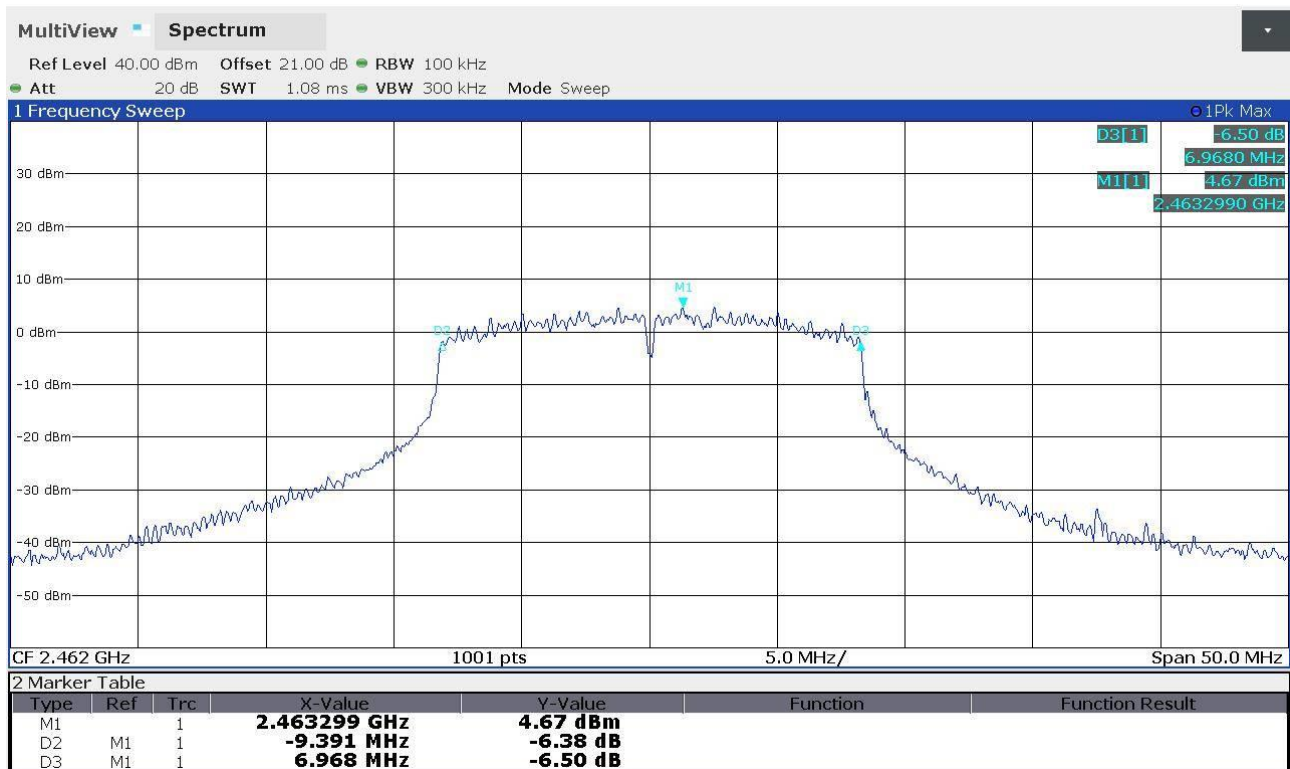




De Rosso 20246265

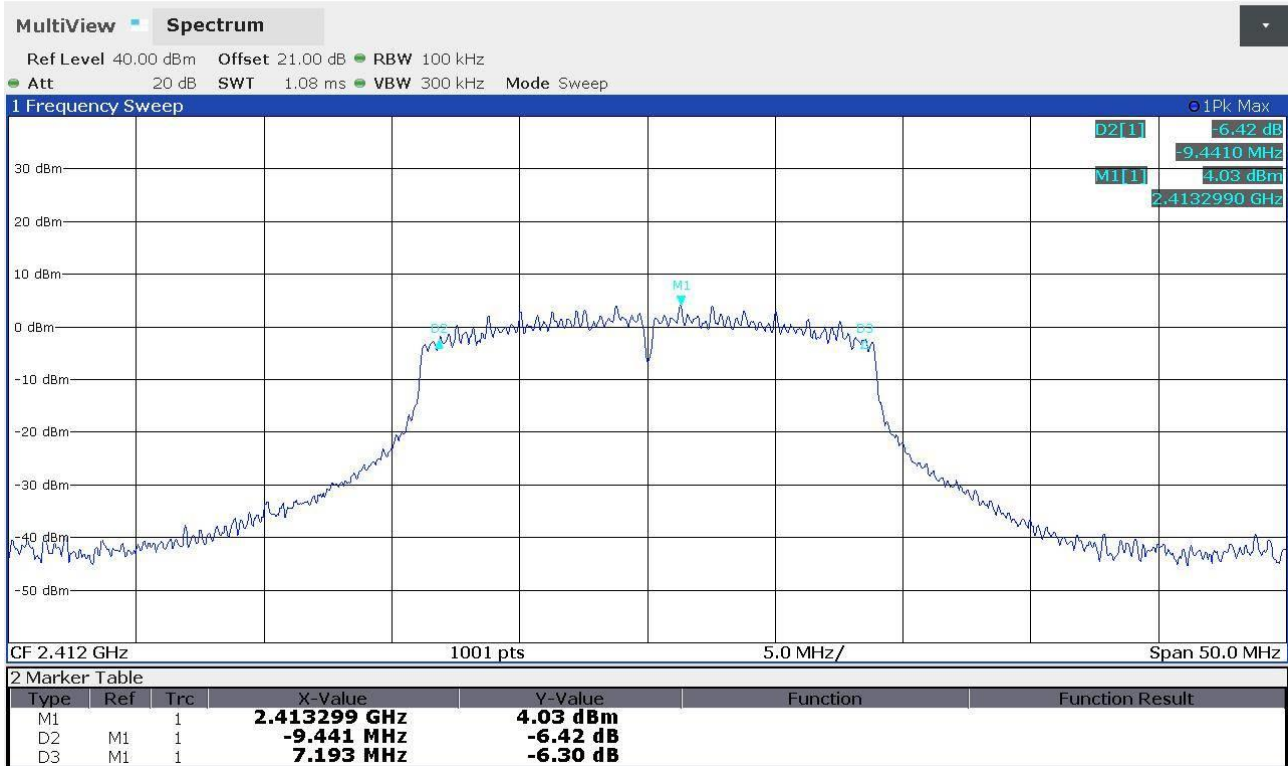


De Rosso 20246271

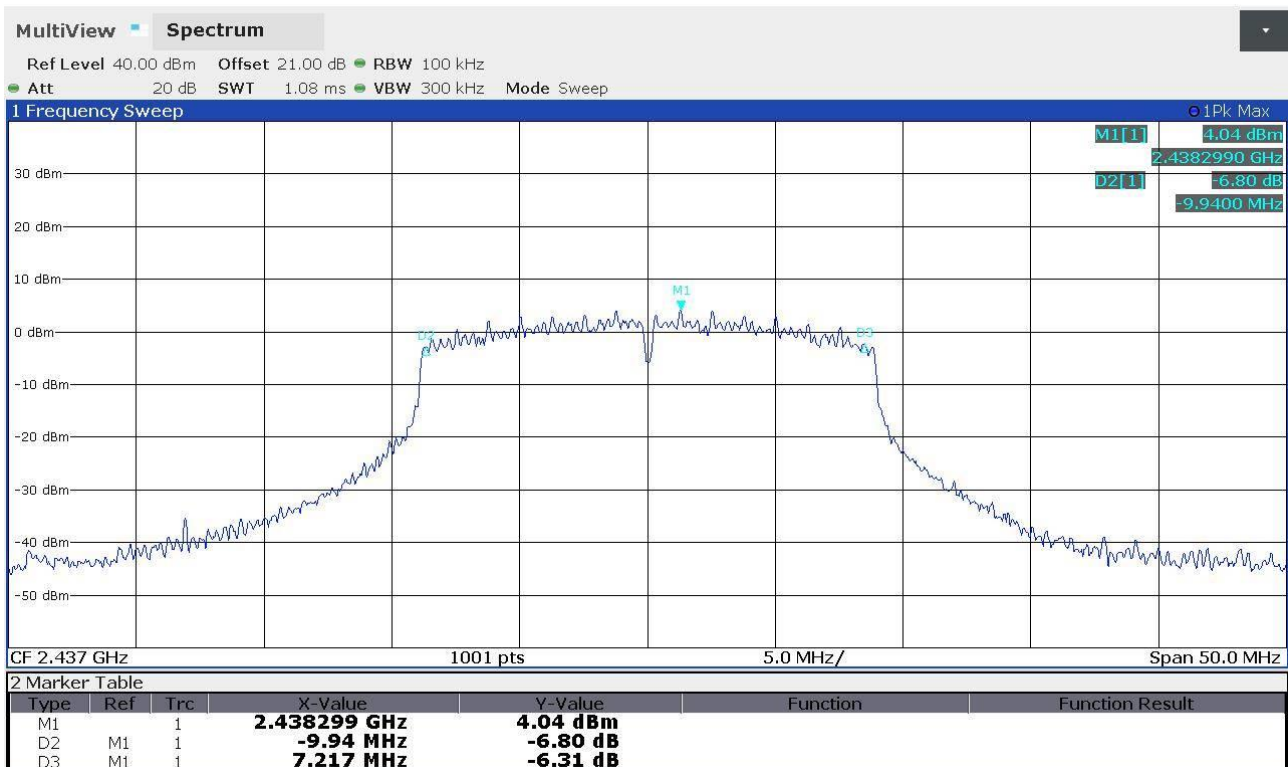




De Rosso 20246277

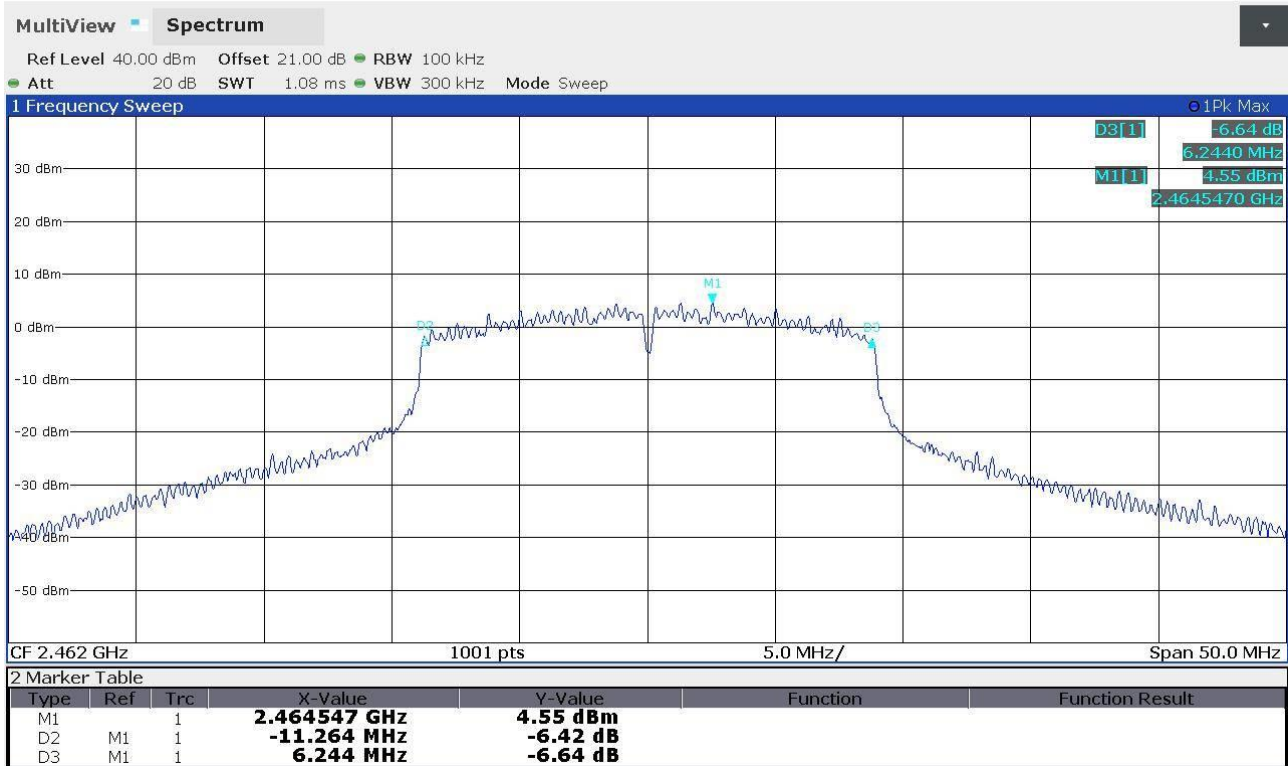


De Rosso 20246283





De Rosso 20246289





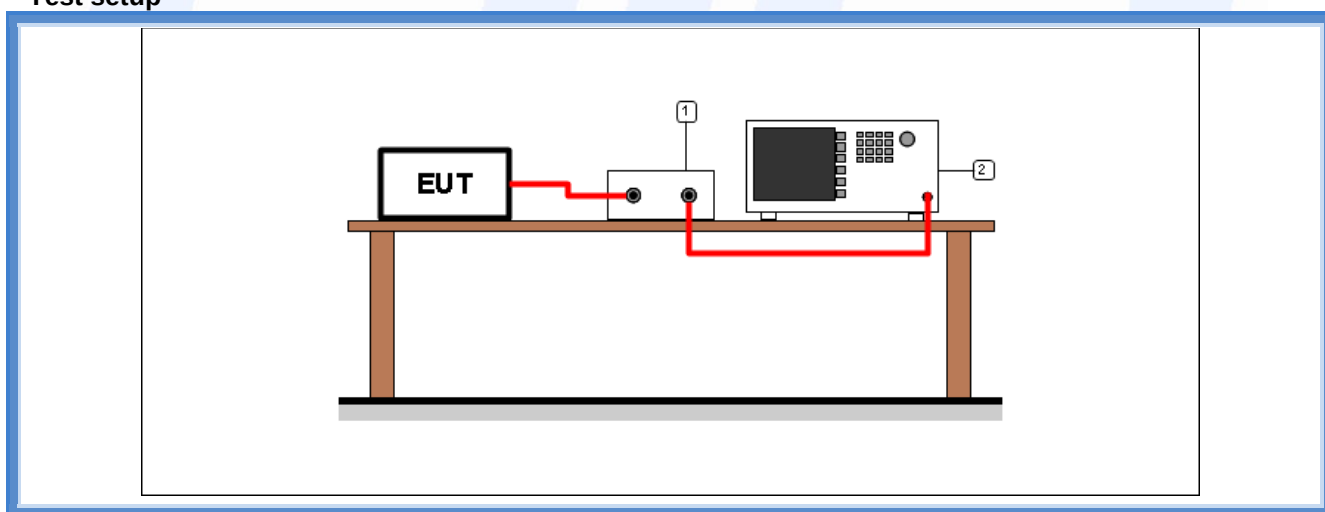
9.5 20 dB bandwidth

Tested by	A. Bertezolo
Test date	27.01.2021
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 – WiFi mode B

Frequency (MHz)	Graphs	20 dB bandwidth (MHz)
2412	G20246239	16,083
2437	G20246246	15,884
2462	G20246253	16,084



Result – WiFi mode G

Frequency (MHz)	Graphs	20 dB bandwidth (MHz)
2412	G20246260	18,582
2437	G20246266	18,631
2462	G20246272	18,556

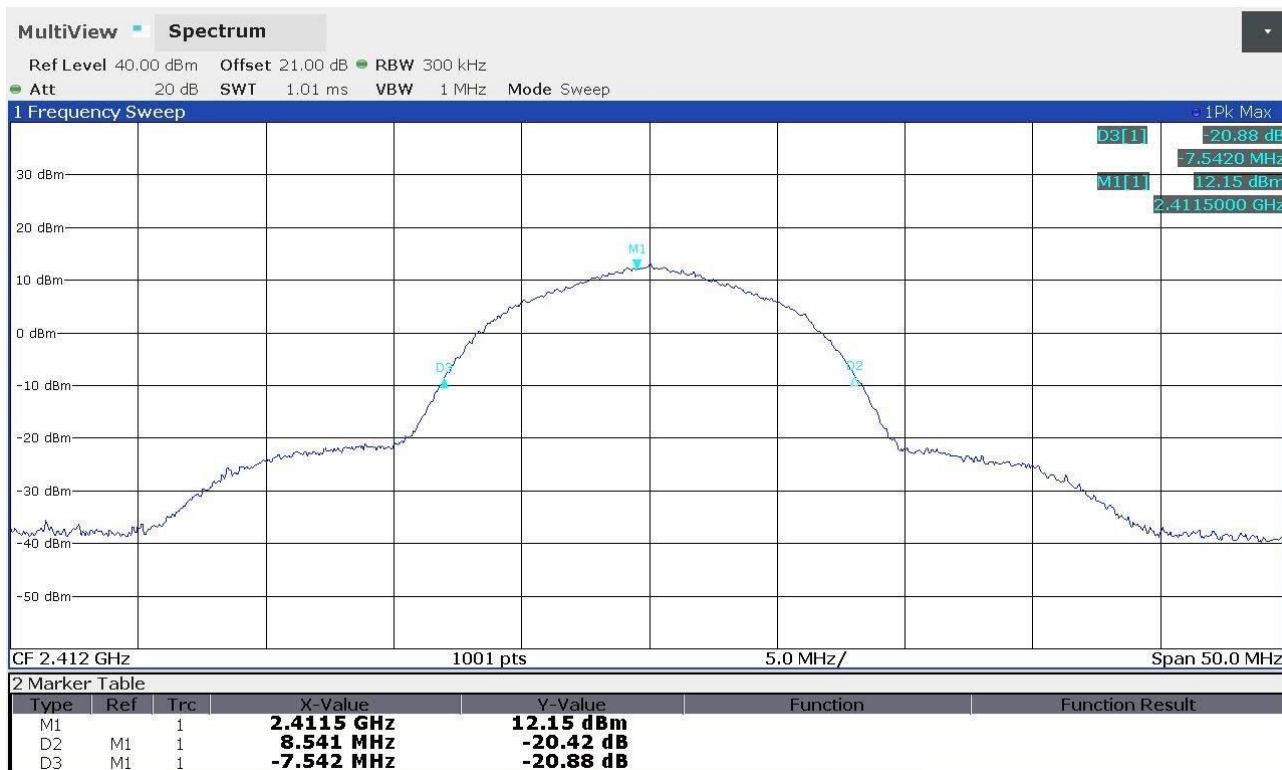
Result – WiFi mode N

Frequency (MHz)	Graphs	20 dB bandwidth (MHz)
2412	G20246278	19,281
2437	G20246284	19,455
2462	G20246290	19,855

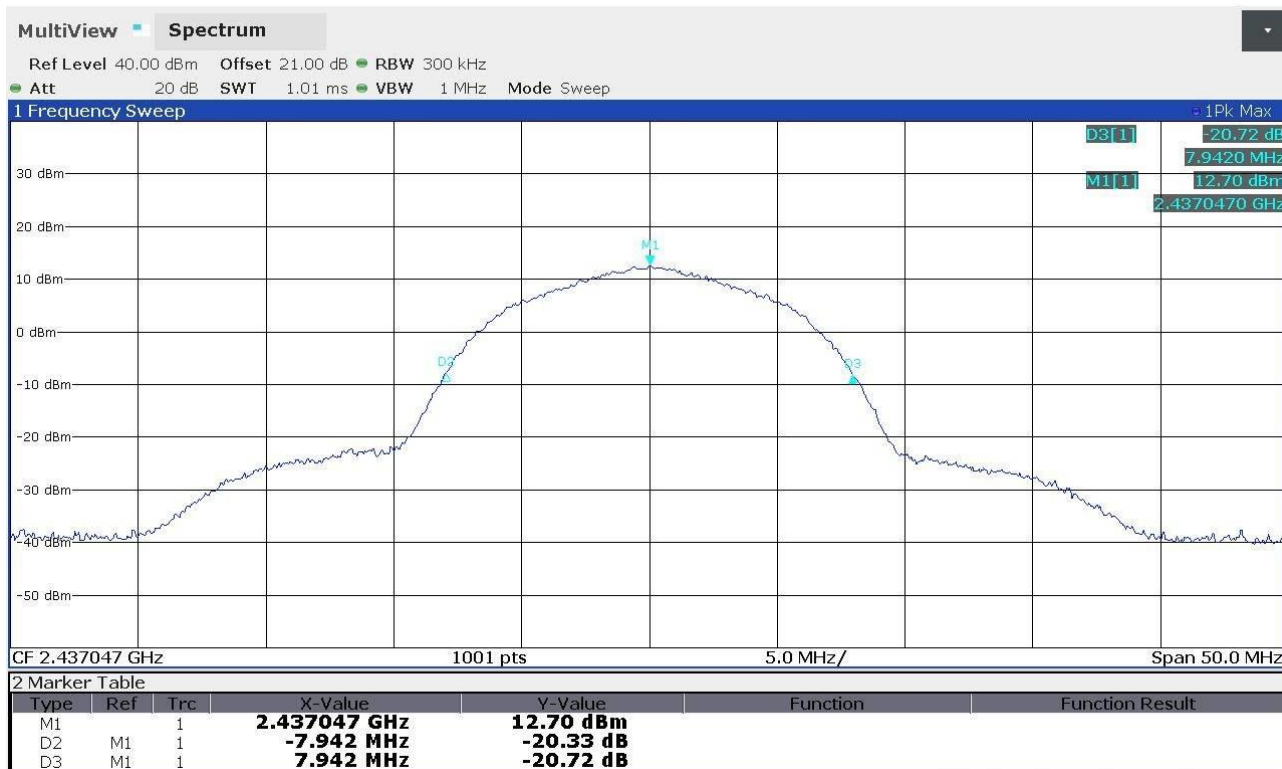


Graphs

De Rosso 20246239

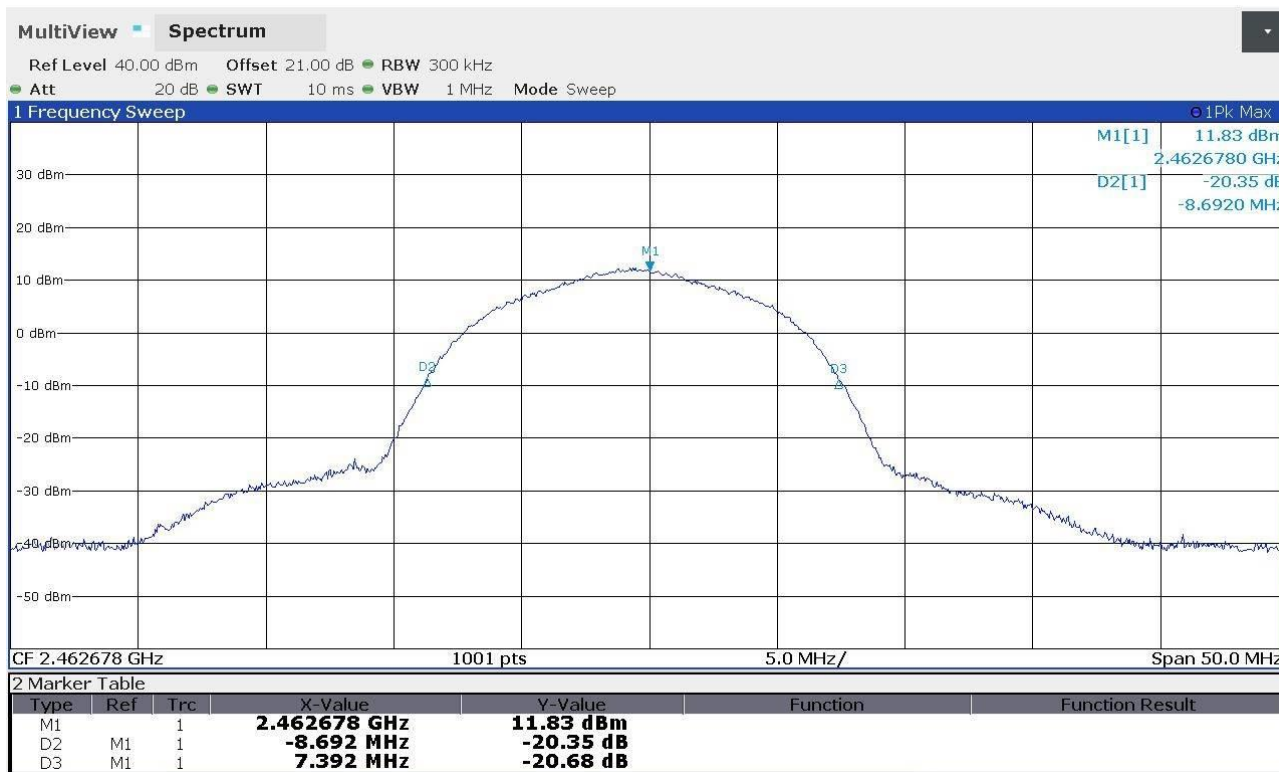


De Rosso 20246246

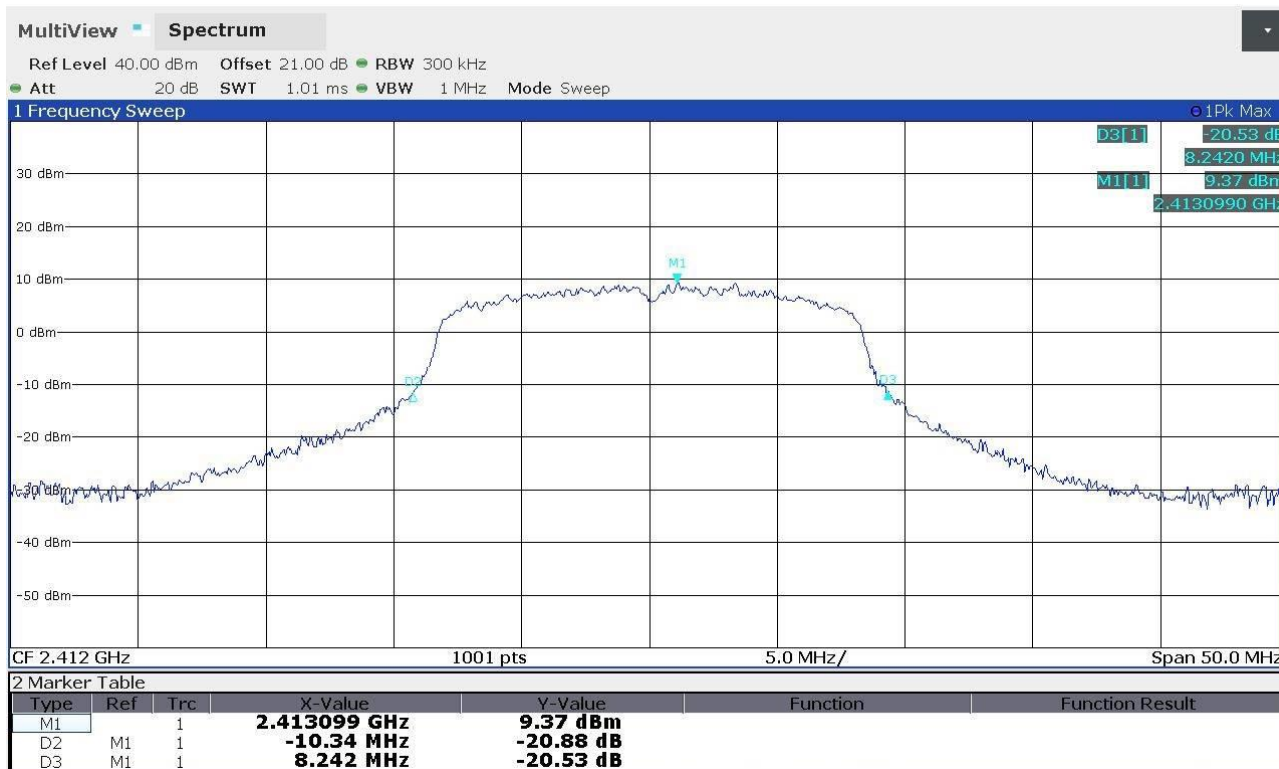




De Rosso 20246253

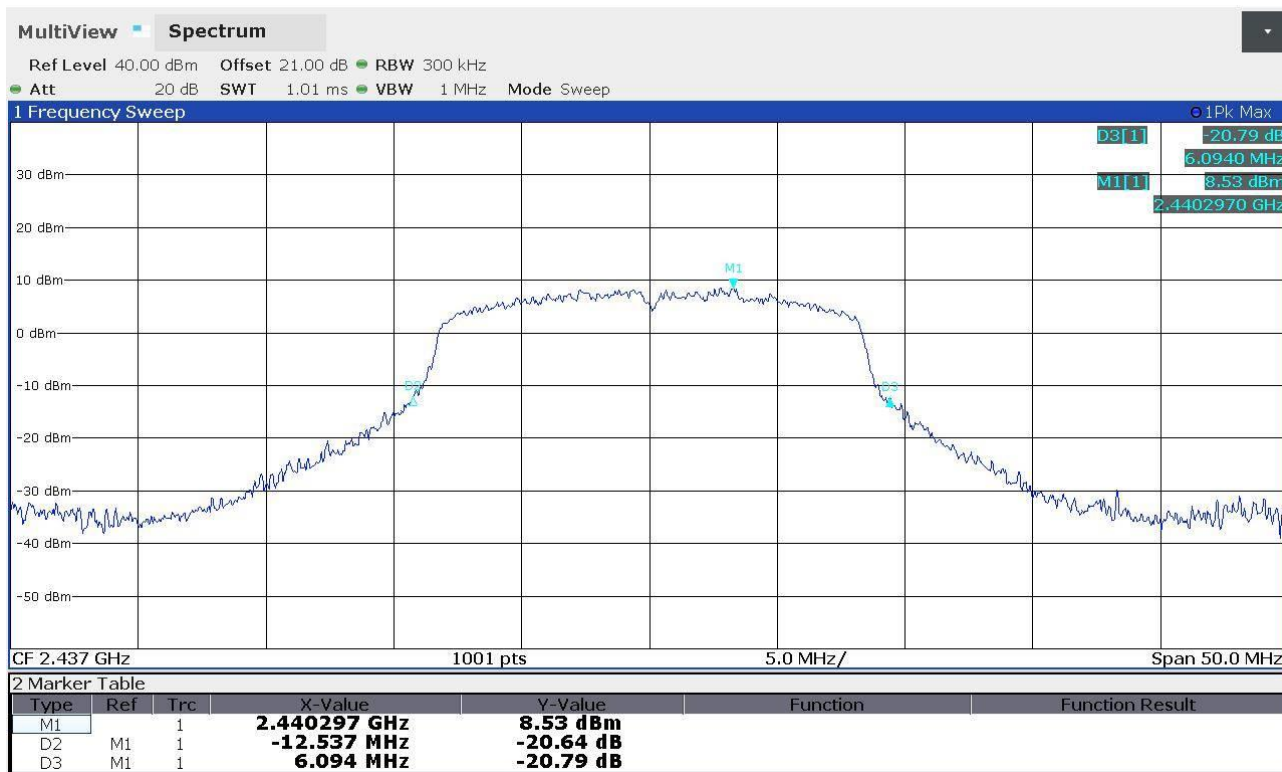


De Rosso 20246260

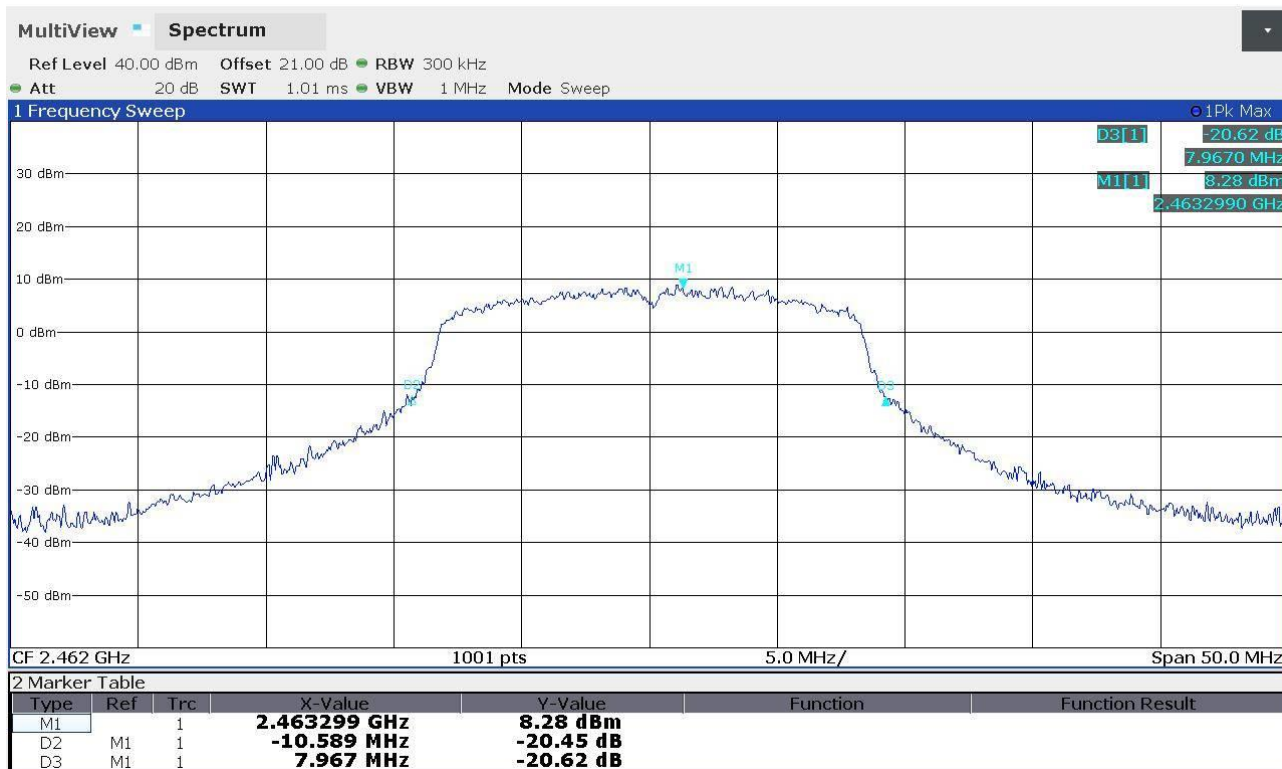




De Rosso 20246266

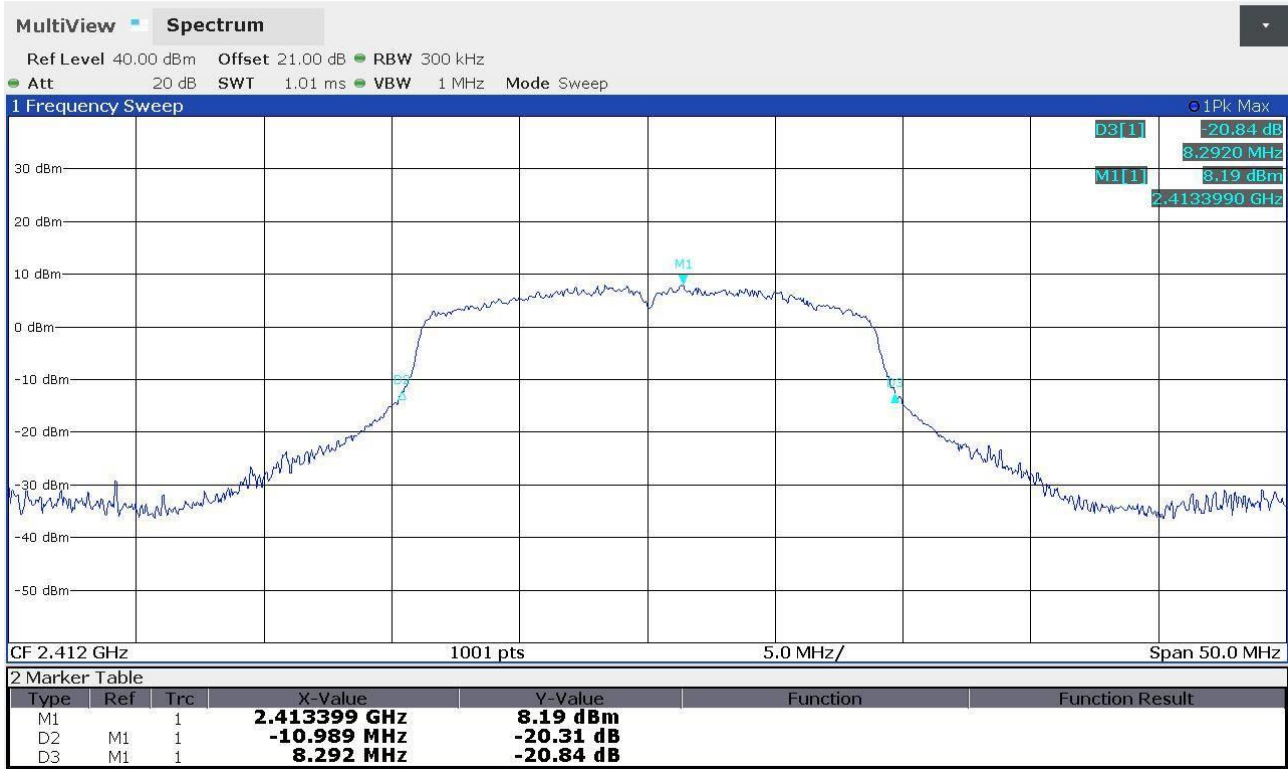


De Rosso 20246272

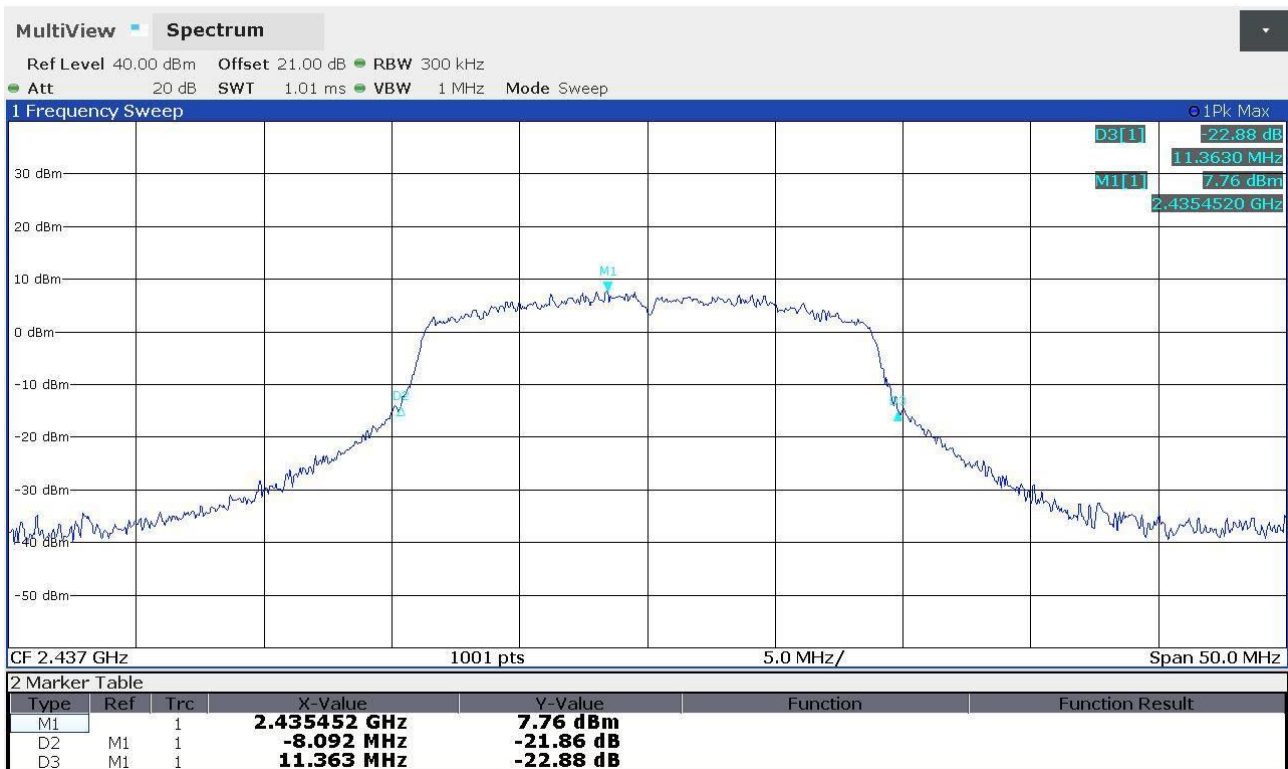




De Rosso 20246278



De Rosso 20246284





De Rosso 20246290





9.6 Band edge

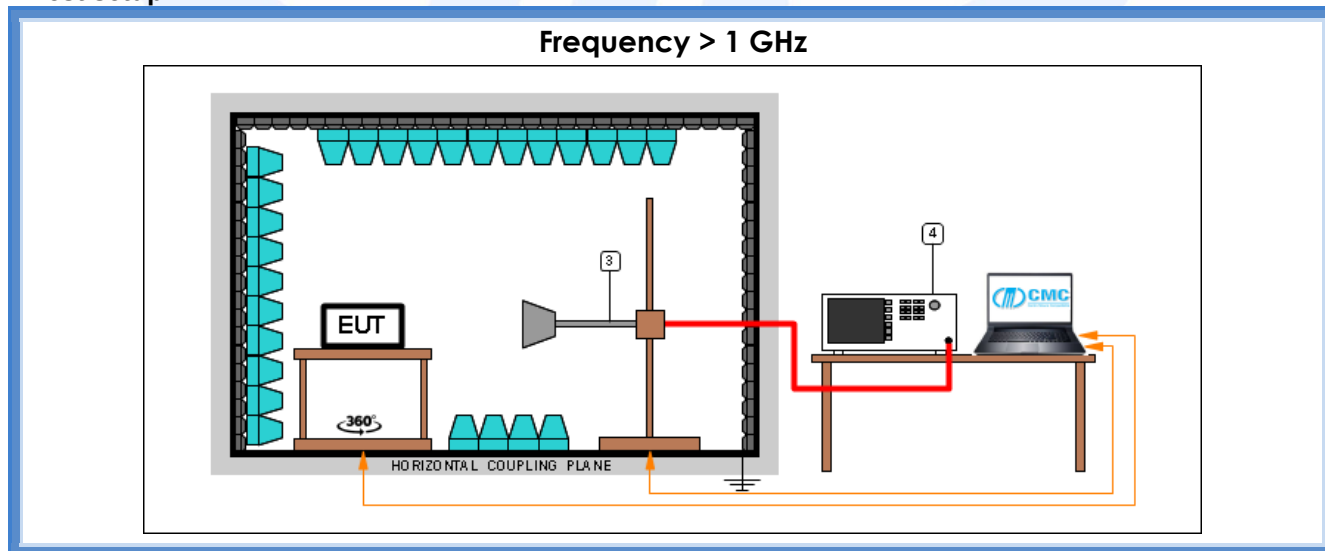
Tested by	A. Bertezolo
Test date	09.02.2021
Test location (stand)	Semi-anechoic chamber (CMC A070)
Reference standards	FCC Rules and Regulation; Titles 47 Part 15.205, 15.209, 15.247 (d) ANSI C63.10 cl. 11.11.1 and 11.12.1 KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.7
Supplementary test set-up description	--
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 B

Channel	Bandwidth	Graph(s)	Results	
Lowest	1 MHz	G202462123	--	*
Lowest	100 kHz	G202462124	2404,0865 MHz	Complies
Highest	1 MHz	G202462125	2473,9647 MHz	Complies
Highest	1 MHz	G202462126	--	**

*: 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	G202462131	--	*
Lowest	100 kHz	G202462129	2403,3654 MHz	Complies
Highest	1 MHz	G202462128	2476,6891 MHz	Complies
Highest	1 MHz	G202462127	--	**

*: 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 N

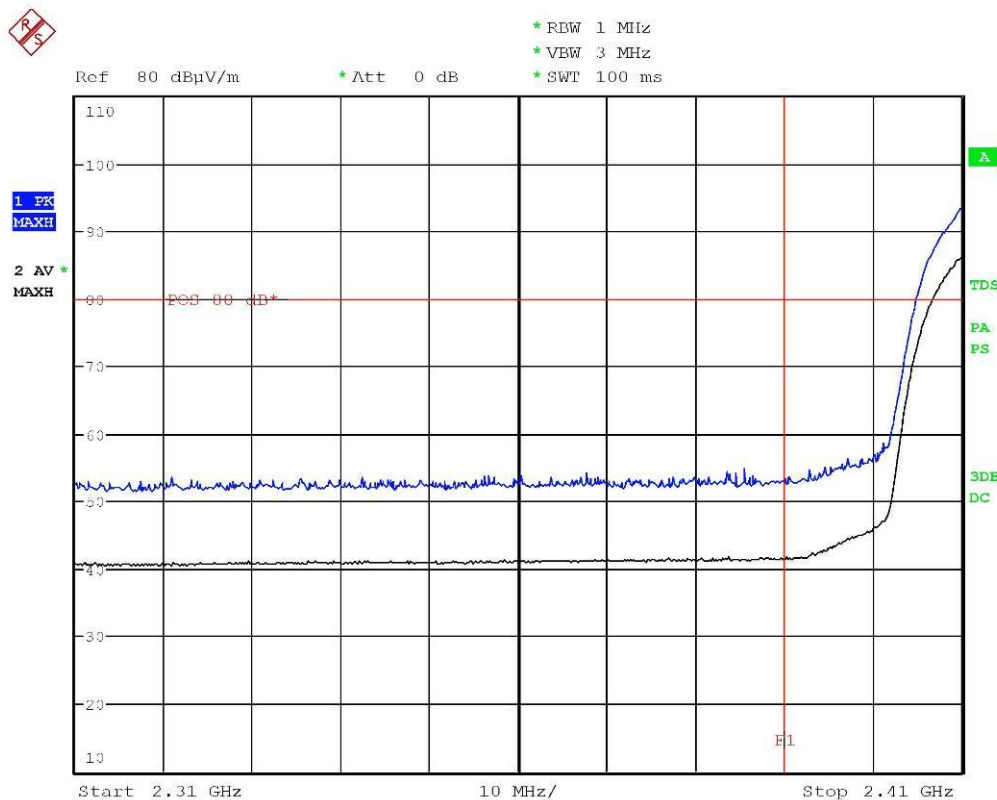
Channel	Bandwidth	Graph(s)	Results	
Lowest	1 MHz	G202462132	--	*
Lowest	100 kHz	G202462133	2402,7244 MHz	Complies
Highest	1 MHz	G202462134	2476,2884 MHz	Complies
Highest	1 MHz	G202462135	--	**

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

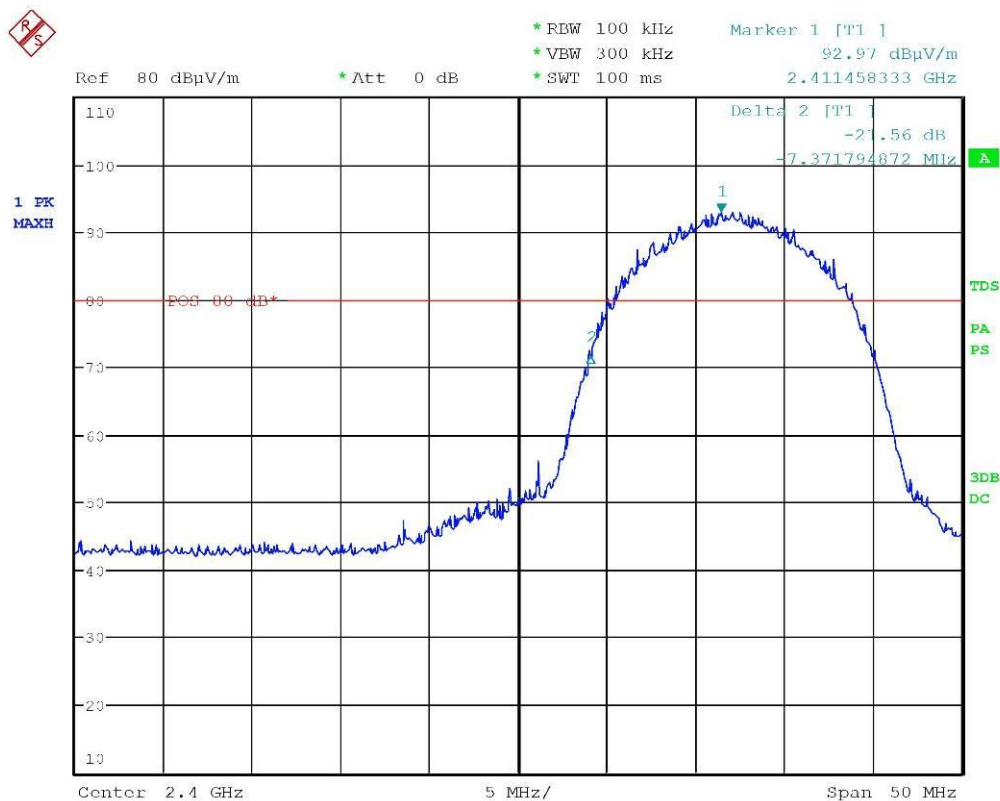
**: this graph shows the emissions in 2483,5 – 2500 MHz restricted band



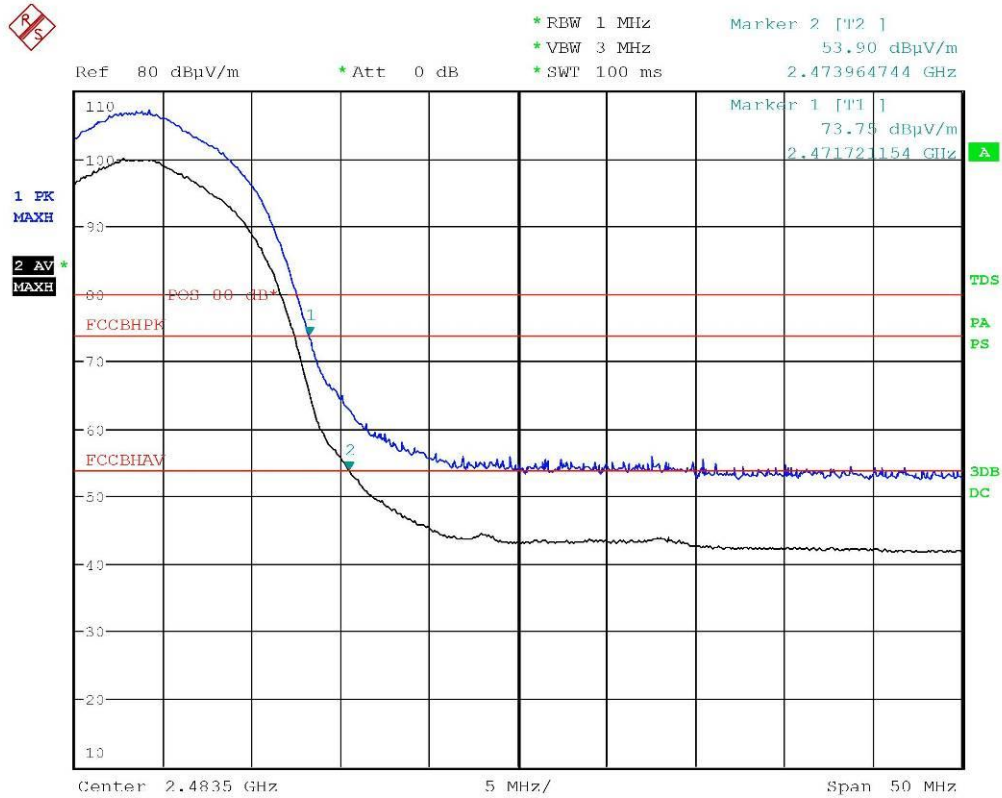
Graphs



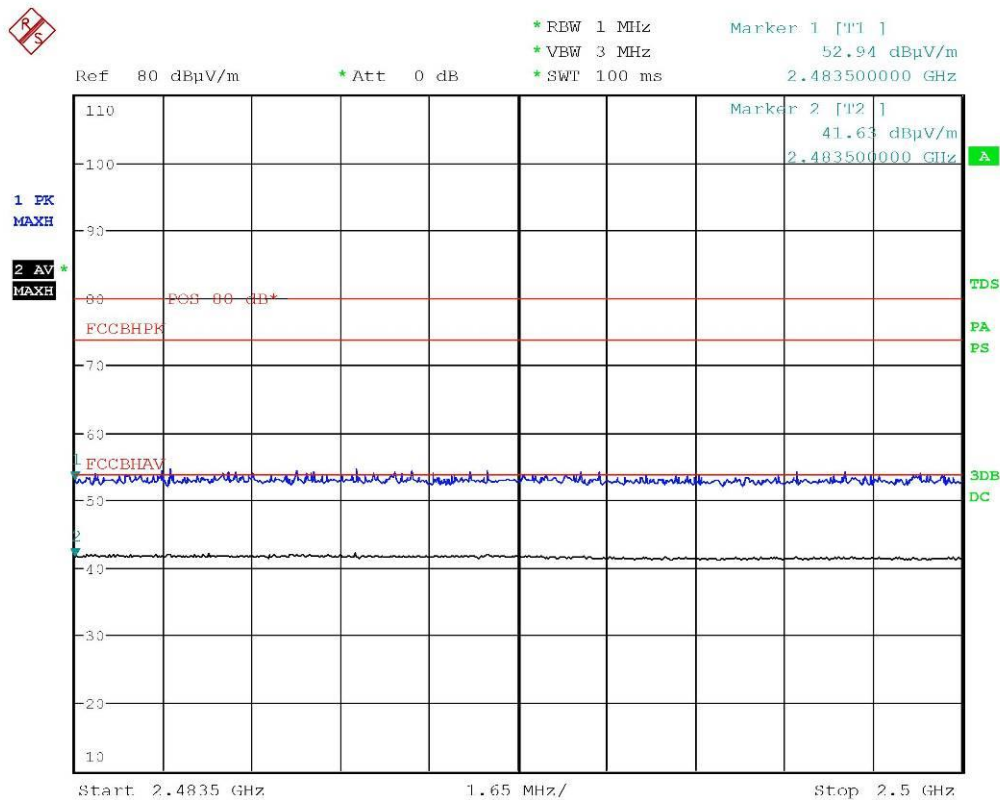
De Rosso 202462123



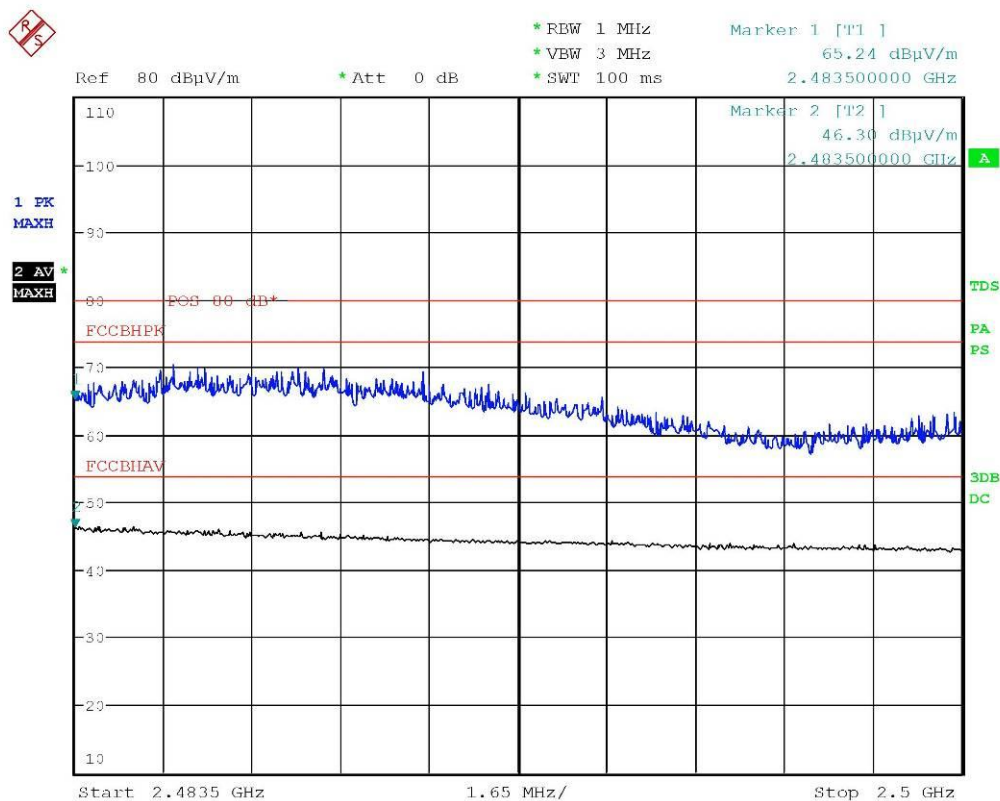
De Rosso 202462124



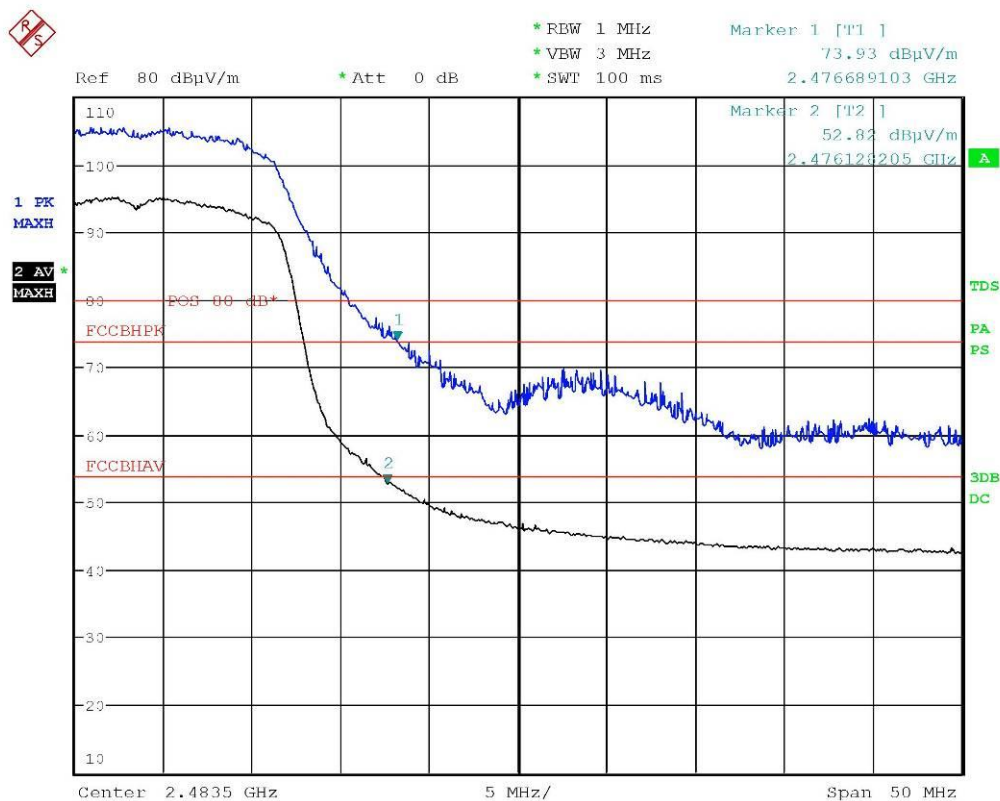
De Rosso 202462125



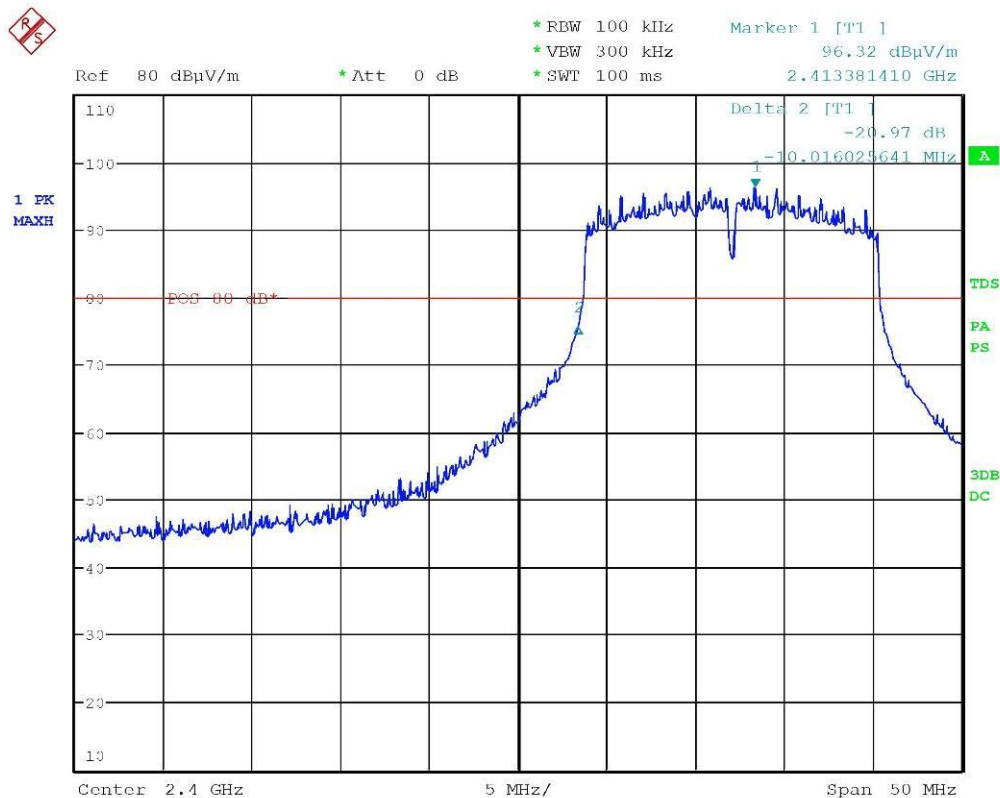
De Rosso 202462126



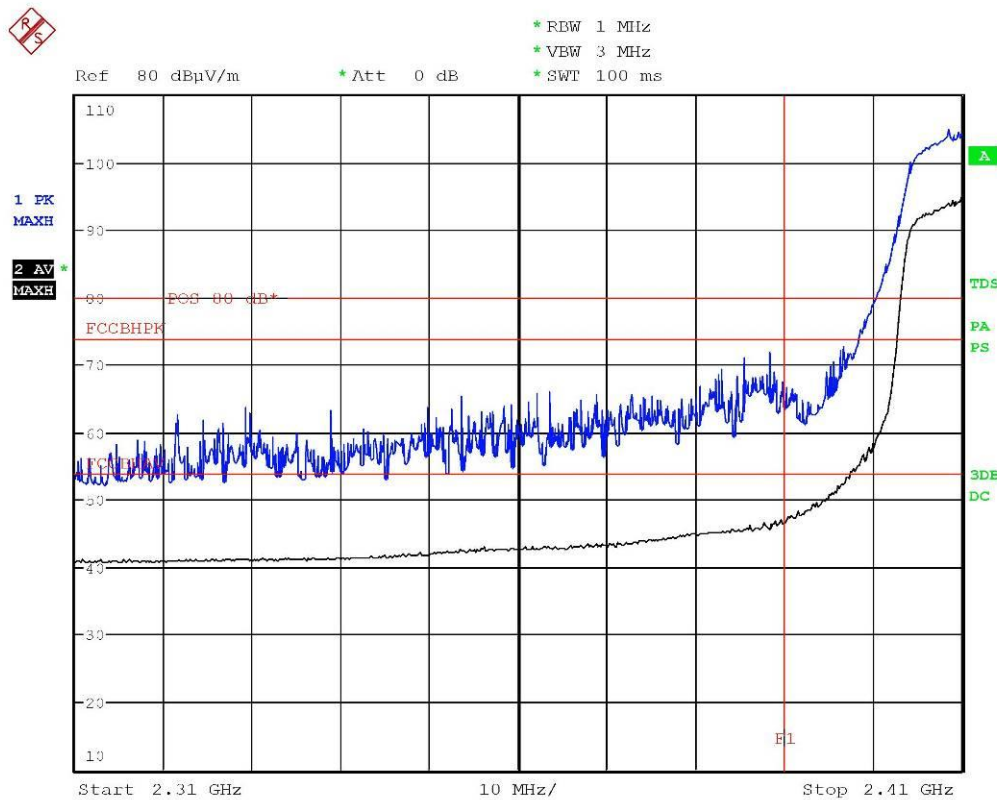
De Rosso 202462127



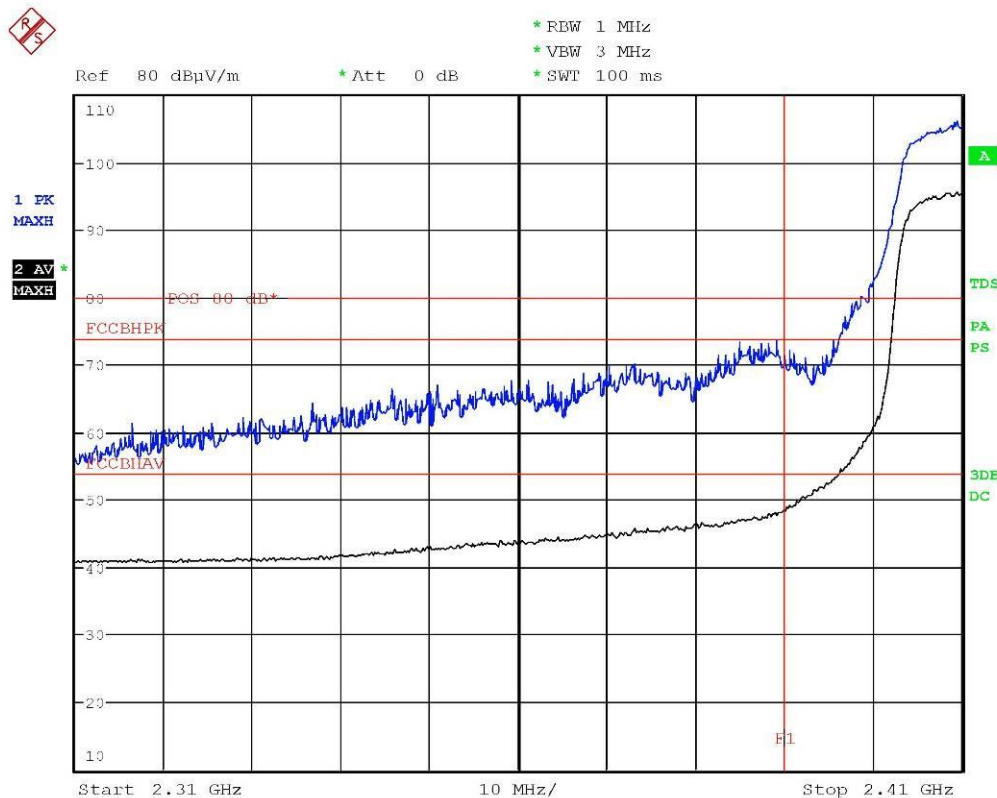
De Rosso 202462128



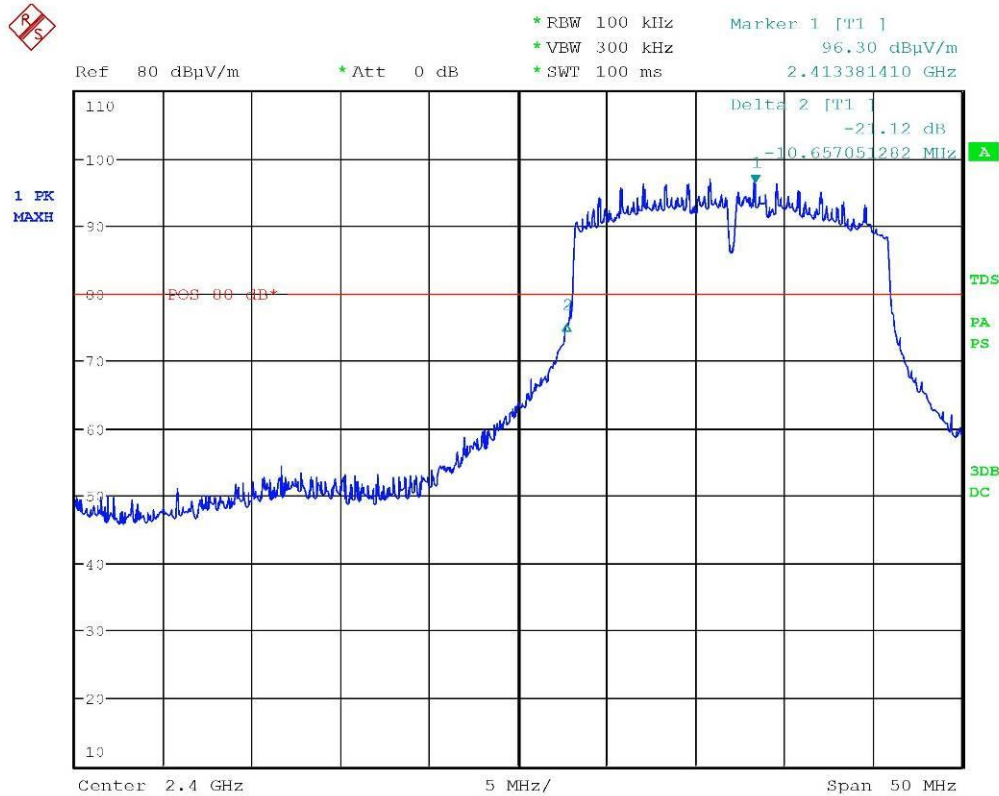
De Rosso 202462129



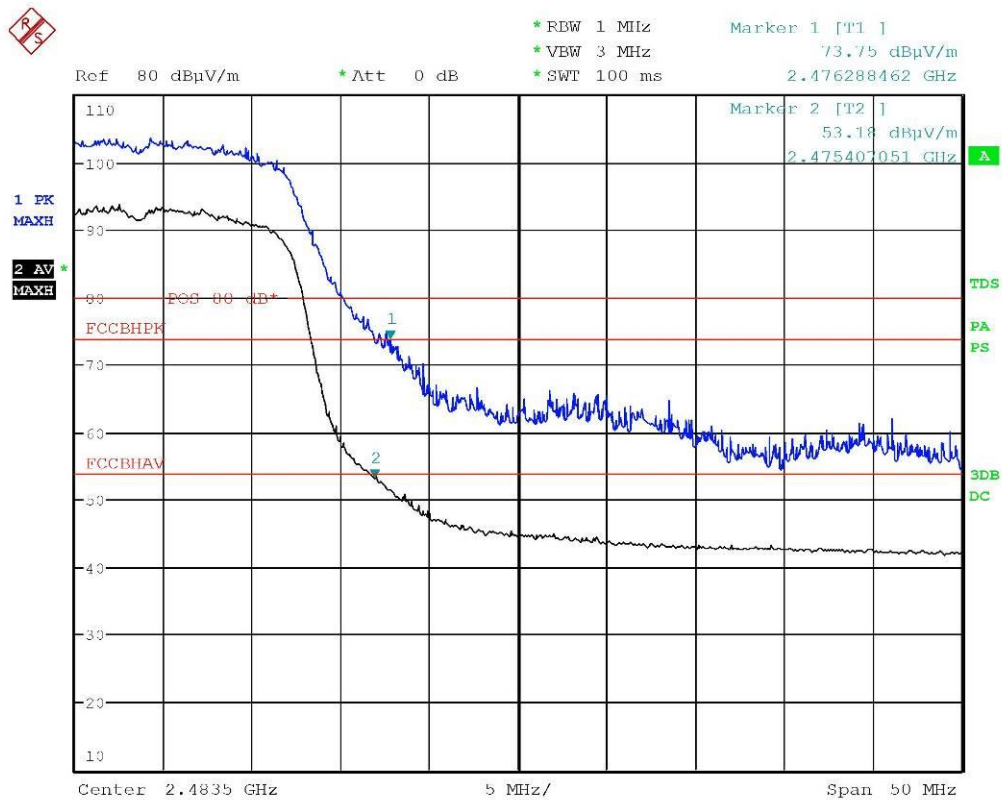
De Rosso 202462131 ok 48 Mbps



De Rosso 202462132



De Rosso 202462133



De Rosso 202462134