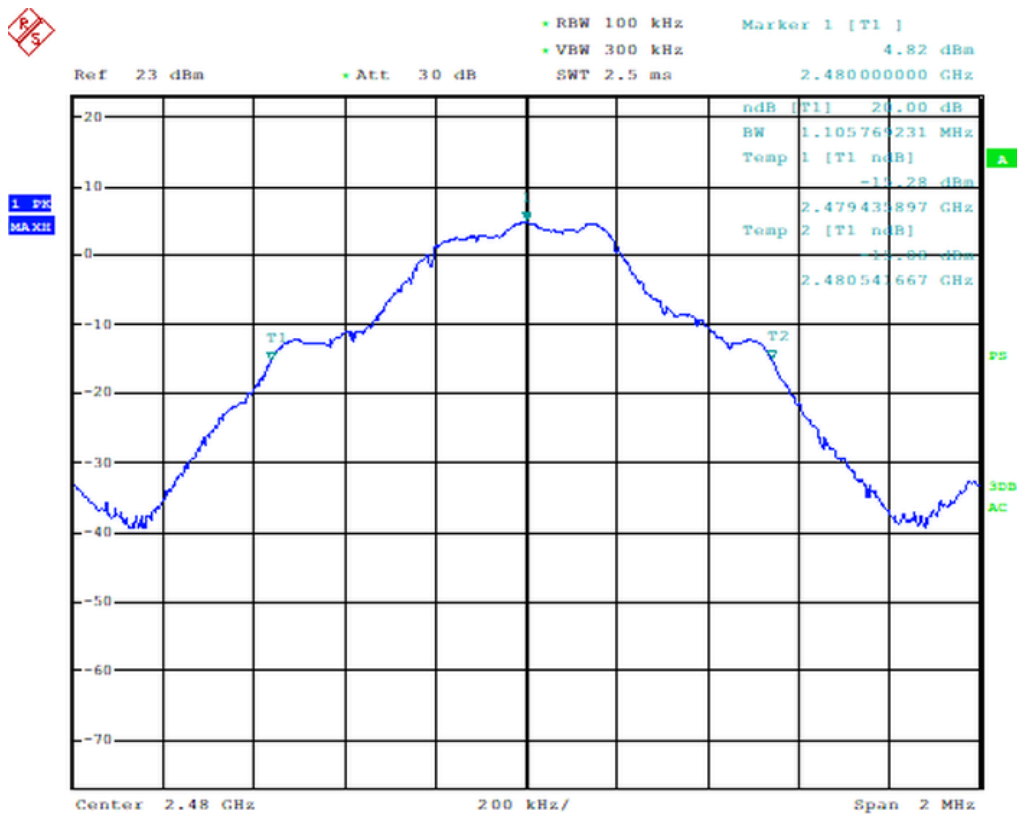




Graphical presentation of 20dB Bandwidth

Operation mode: 3 (Channel 78 – Frequency 2480)

Test conditions			Frequency (MHz)	Channel	20dB Bandwidth (KHz)	Result
Temperature	Voltage	Data Rate				
Tnom +20.5°C	5Vdc (internal battery)	1M_DH3_1010	2480	78	1105.76	PASS

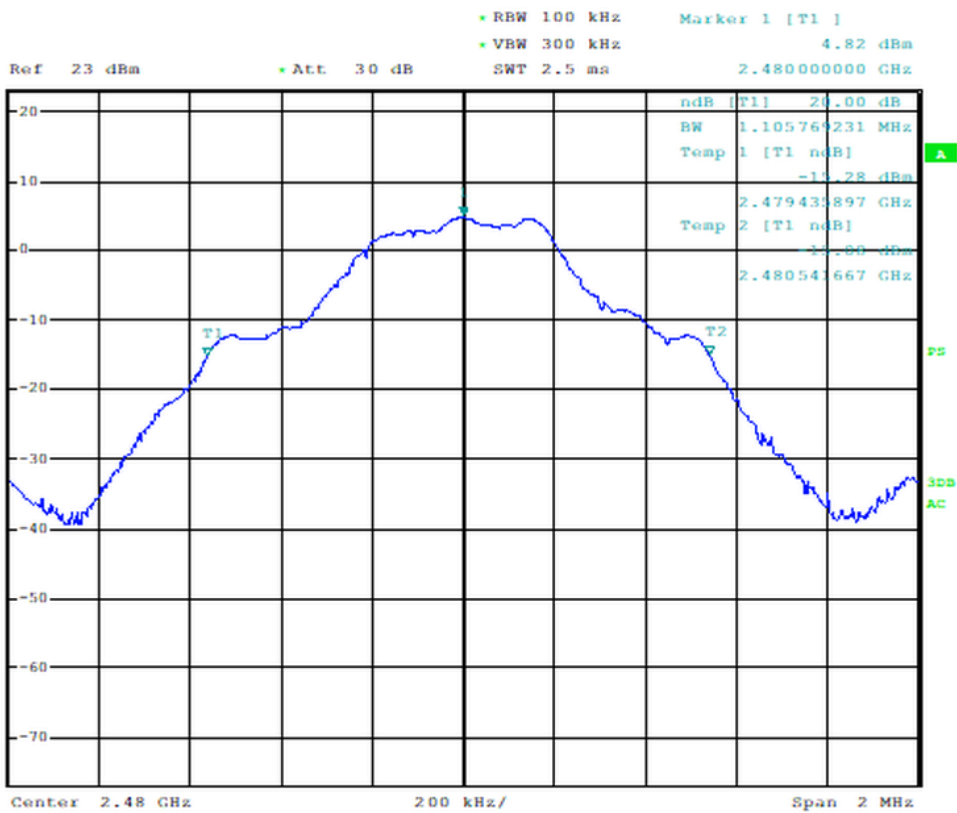




Graphical presentation of 20dB Bandwidth

Operation mode: 3 (Channel 78 – Frequency 2480)

Test conditions			Frequency (MHz)	Channel	20dB Bandwidth (KHz)	Result
Temperature	Voltage	Data Rate				
Tnom +20.5°C	5Vdc (internal battery)	1M_DH5_1010	2480	78	1105.76	PASS

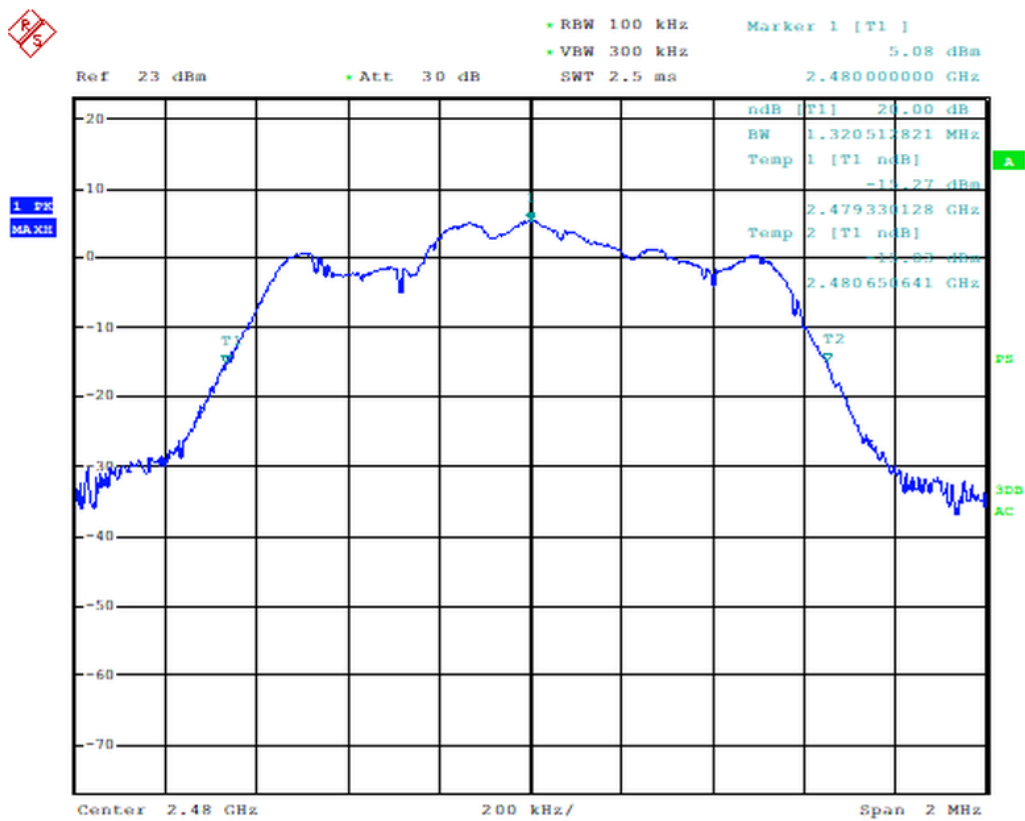




Graphical presentation of 20dB Bandwidth

Operation mode: 3 (Channel 78 – Frequency 2480)

Test conditions			Frequency (MHz)	Channel	20dB Bandwidth (KHz)	Result
Temperature	Voltage	Data Rate				
Tnom +20.5°C	5Vdc (internal battery)	2M_DH1_1010	2480	78	1320.51	PASS

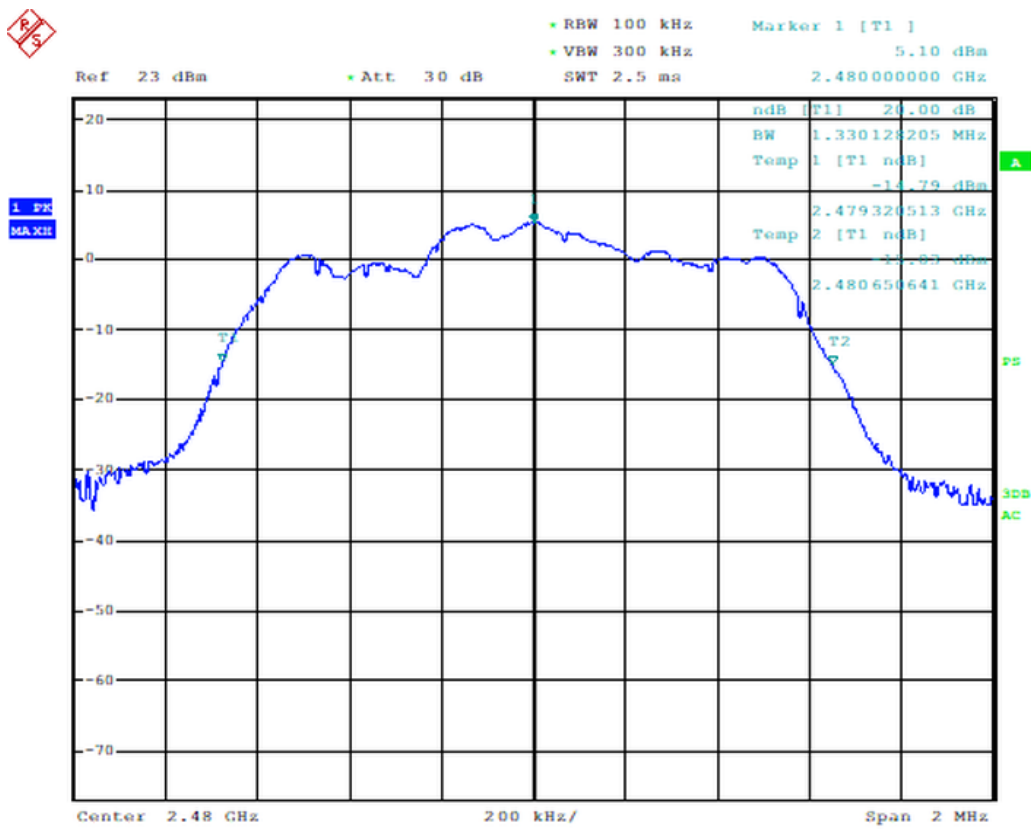




Graphical presentation of 20dB Bandwidth

Operation mode: 3 (Channel 78 – Frequency 2480)

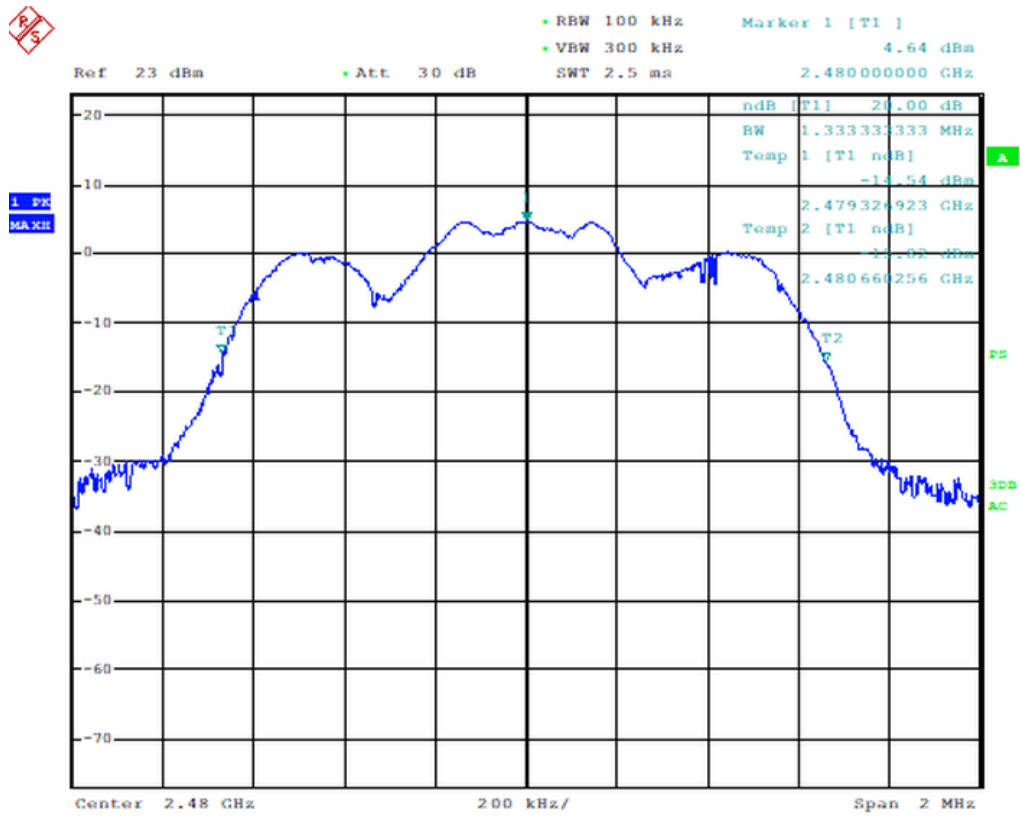
Test conditions			Frequency (MHz)	Channel	20dB Bandwidth (KHz)	Result
Temperature	Voltage	Data Rate				
Tnom +20.5°C	5Vdc (internal battery)	2M_DH3_1010	2480	78	1330.12	PASS





Graphical presentation of 20dB Bandwidth
Operation mode: 3 (Channel 78 – Frequency 2480)

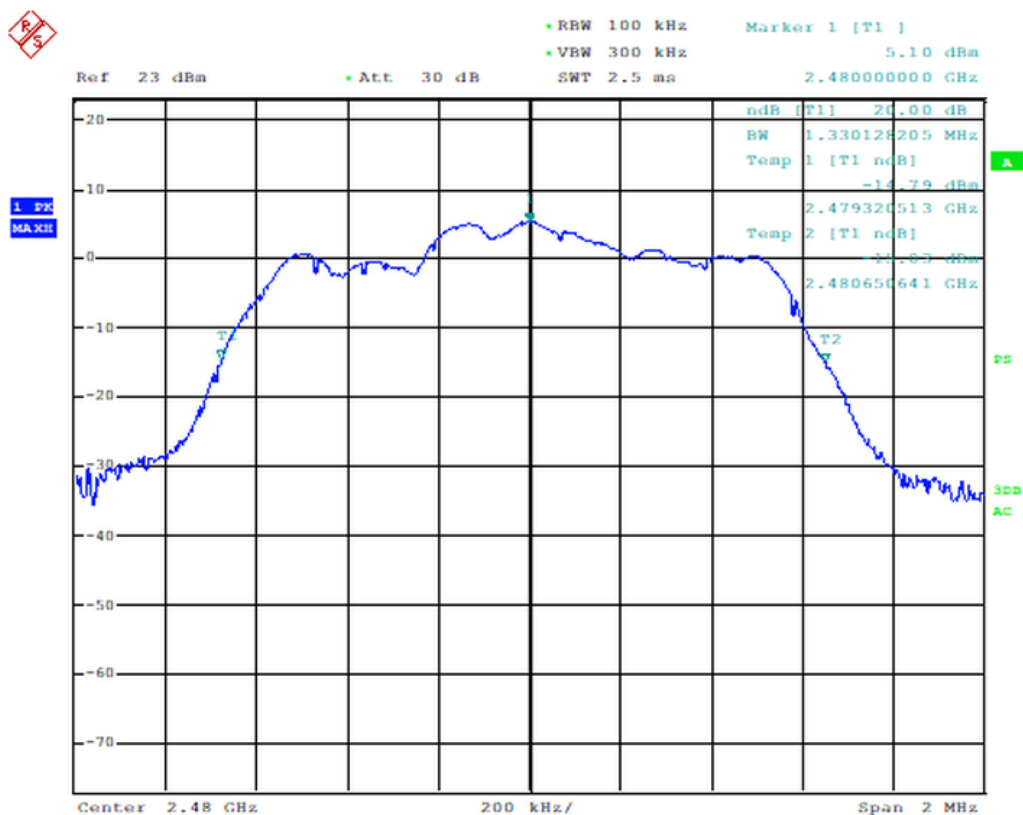
Test conditions			Frequency (MHz)	Channel	20dB Bandwidth (KHz)	Result
Temperature	Voltage	Data Rate				
Tnom +20.5°C	5Vdc (internal battery)	2M_DH5_1010	2480	78	1333.33	PASS



Graphical presentation of 20dB Bandwidth

Operation mode: 3 (Channel 78 – Frequency 2480)

Test conditions			Frequency (MHz)	Channel	20dB Bandwidth (KHz)	Result
Temperature	Voltage	Data Rate				
Tnom +20.5°C	5Vdc (internal battery)	3M_DH1_1010	2480	78	1330.12	PASS

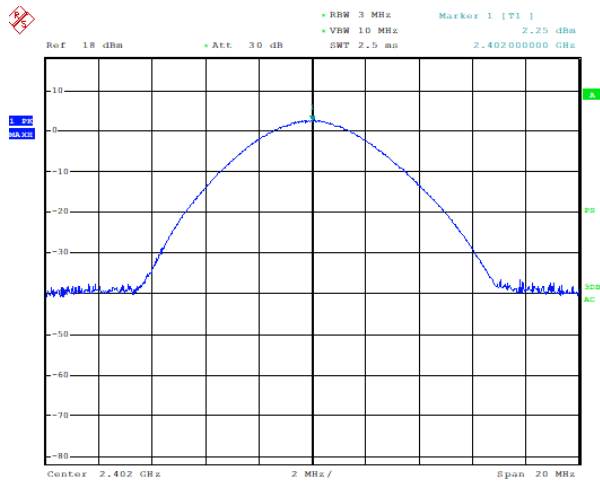
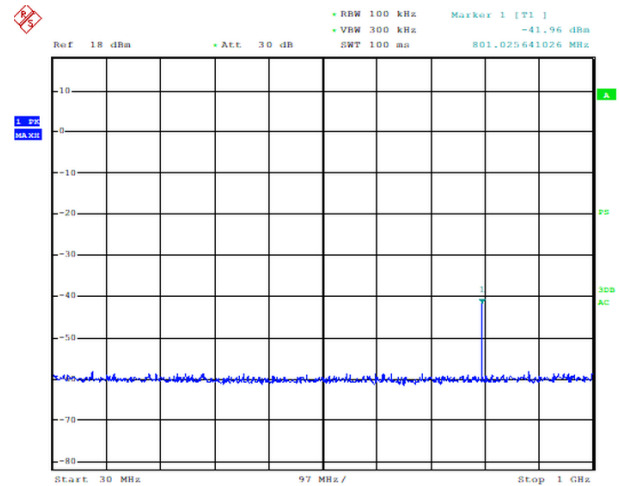
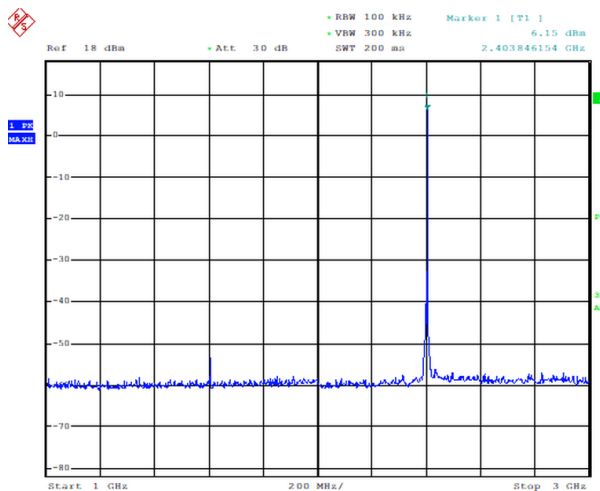
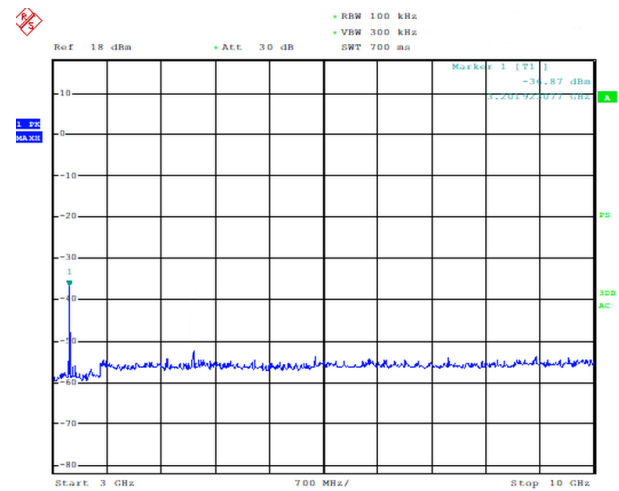


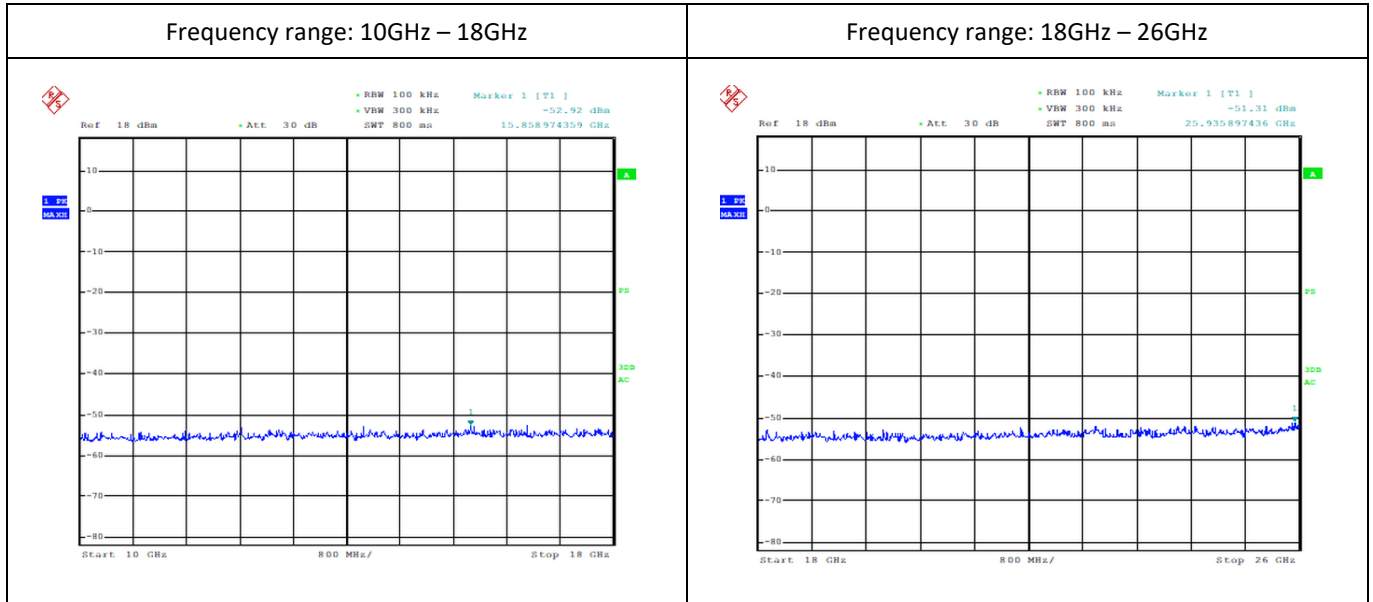
Out-of-band emissions	
Test date	From 01/04/2022 to 04/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.247
Test method	According to Par. 8.5 of KDB 558074 D01 15.247 Meas. Guidance v05r02 (and par. 11.11 of ANSI C63.10)
Temperature	23,1°
Humidity	54%
Tested by	Francesco Lombardi
Model	MP350
Internal Storage No.	1 (Storage no. A003216149-003)
Operating mode	1, 2, 3
Tested terminals	Antenna
Result	PASS
<p>(d) 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)).</p>	

Graphical presentation of Out-of-band emissions

Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 1M_DH1_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz


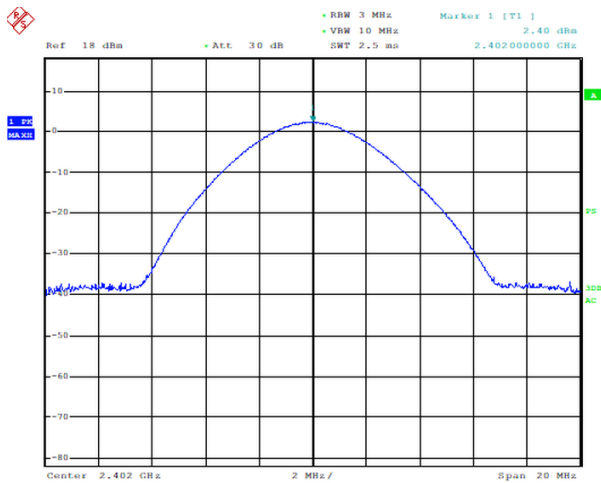
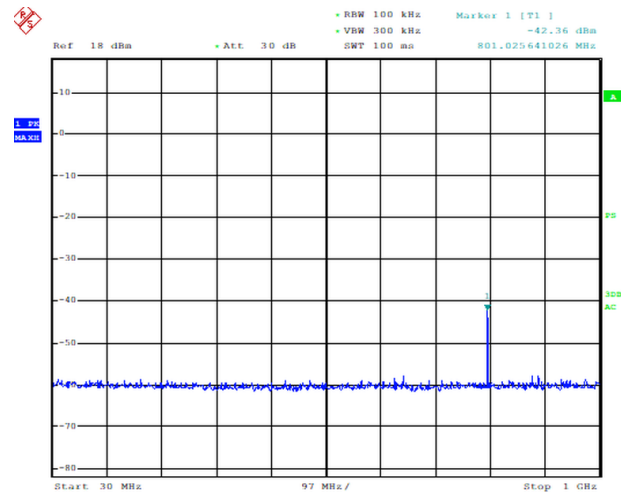
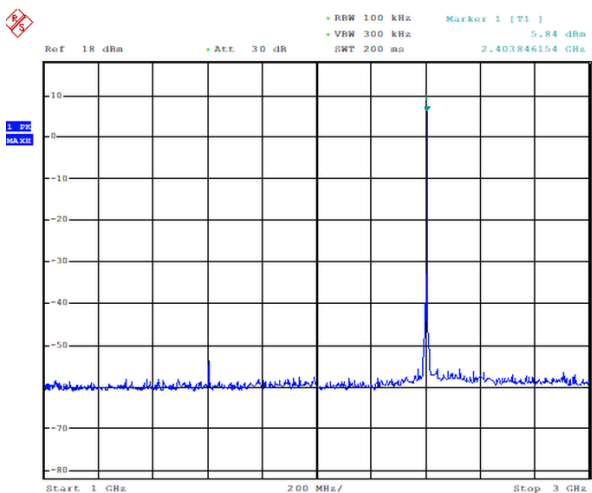
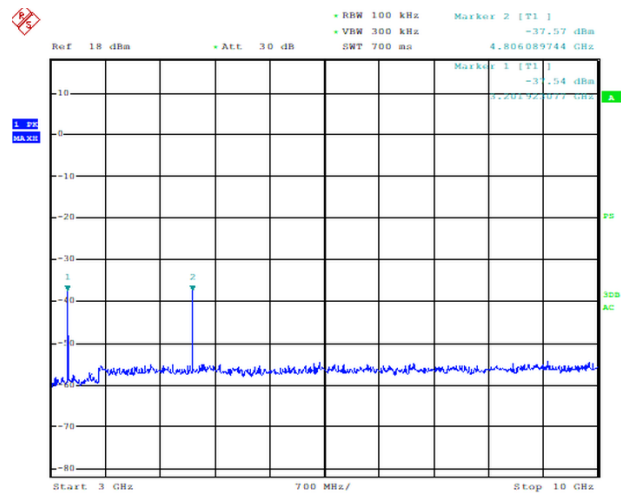


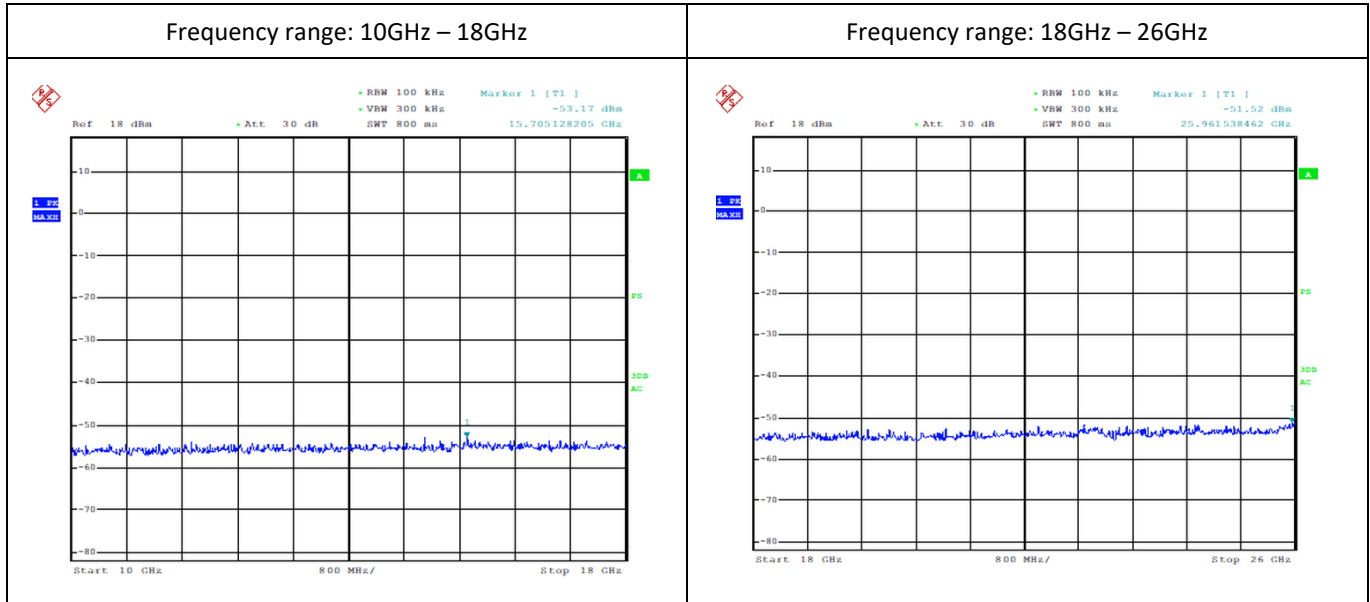
Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-41,96	2,25	44,21	-17,75	24,21	PASS
3201,92	-36,87		39,12		19,12	

Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 1M_DH3_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz


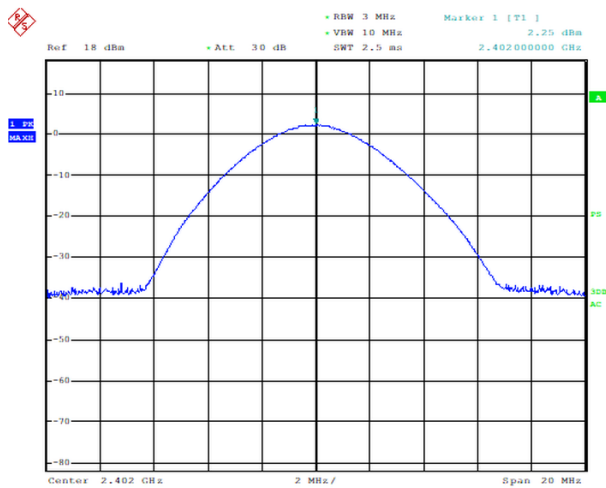
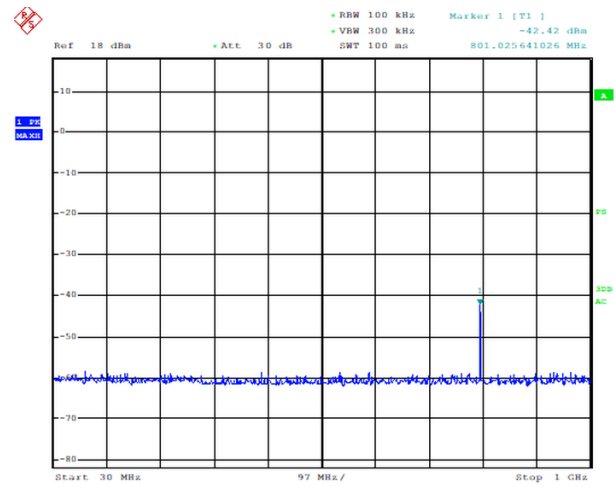
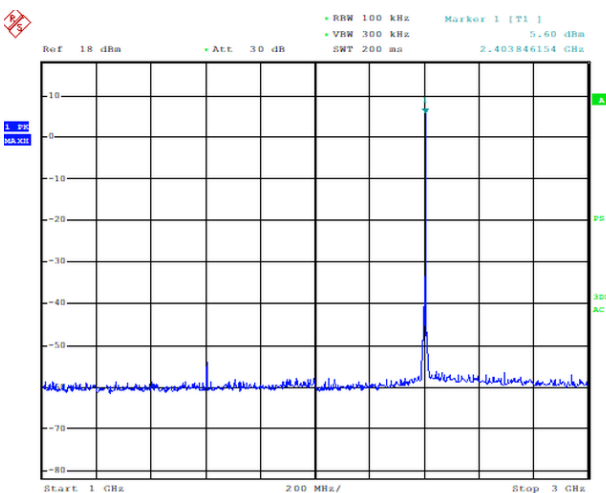
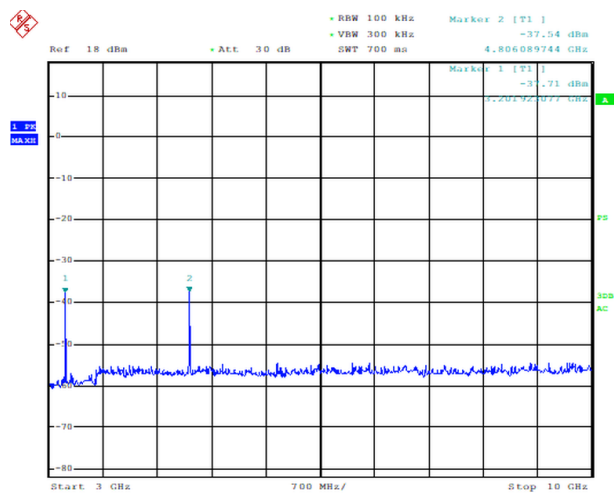


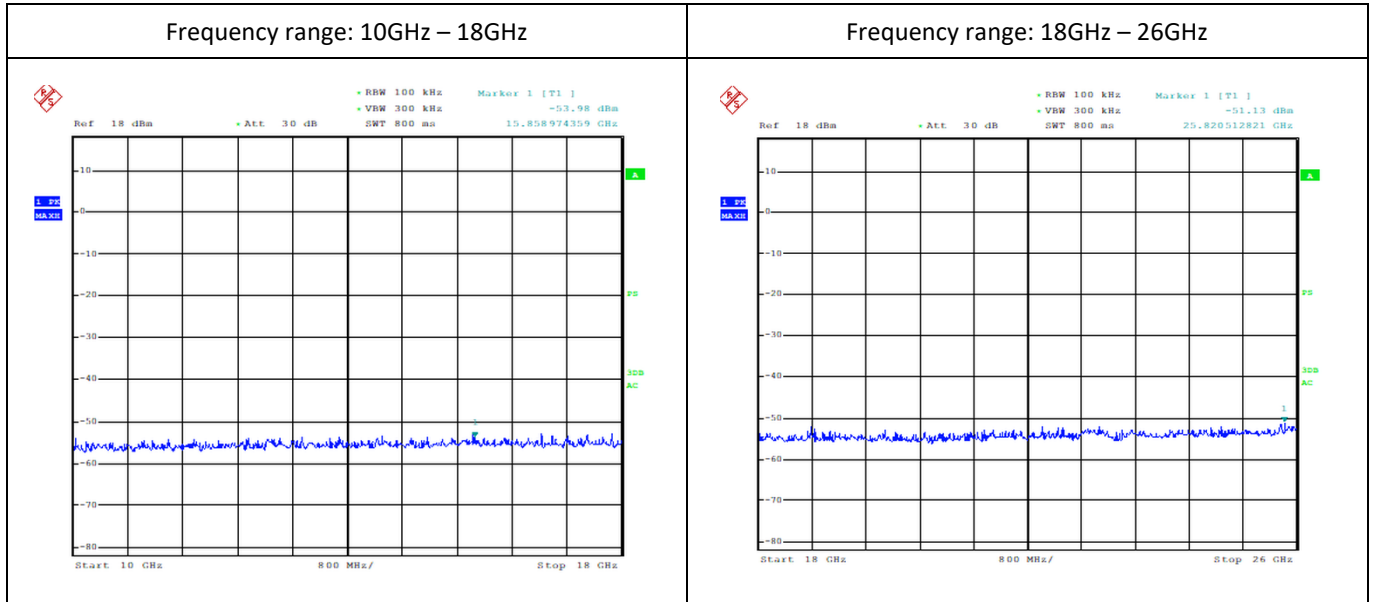
Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-42,36	2,40	44,76	-17,60	24,76	PASS
3201,92	-37,54		39,94		19,94	
4806,09	-37,57		39,97		19,97	

Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 1M_DH5_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz


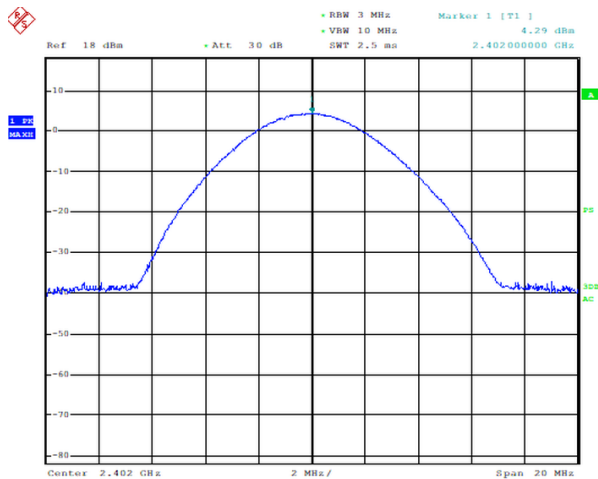
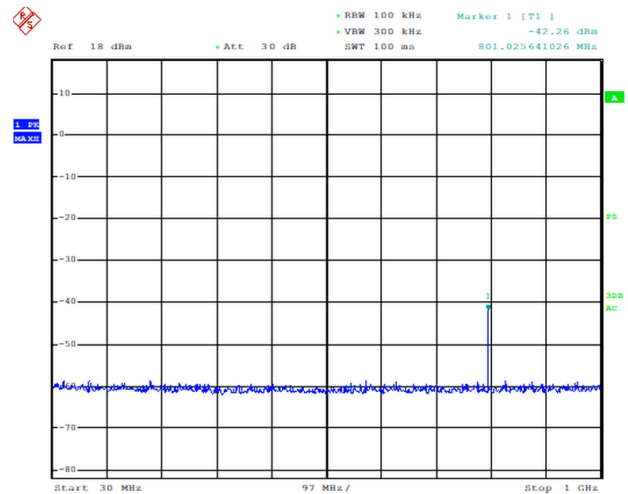
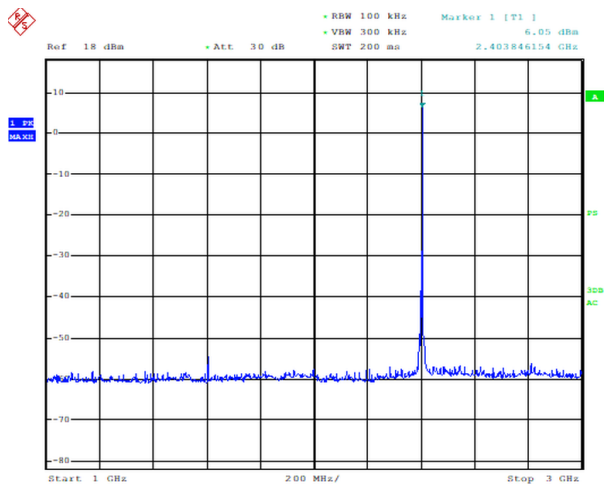
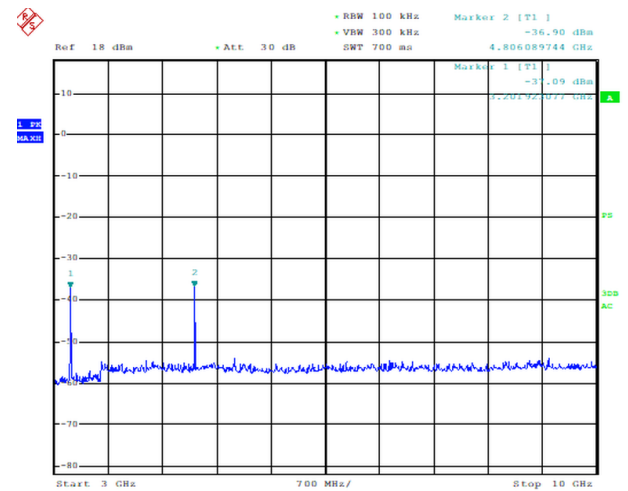


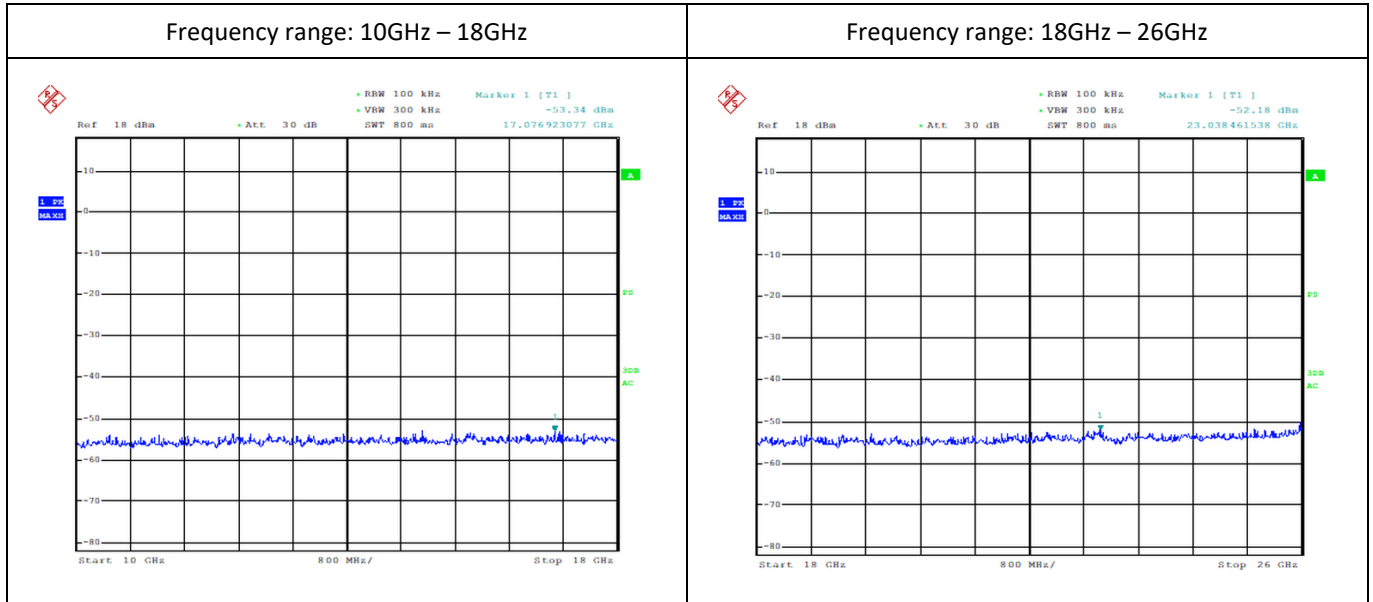
Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-42,42	2,25	44,67	-17,75	24,67	PASS
3201,92	-37,71		39,96		19,96	
4806,09	-37,54		39,79		19,79	

Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 2M_DH1_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz




Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-42,26	4,29	46,55	-15,71	26,55	PASS
3201,92	-37,09		41,38		21,38	
4806,09	-36,90		41,19		21,19	

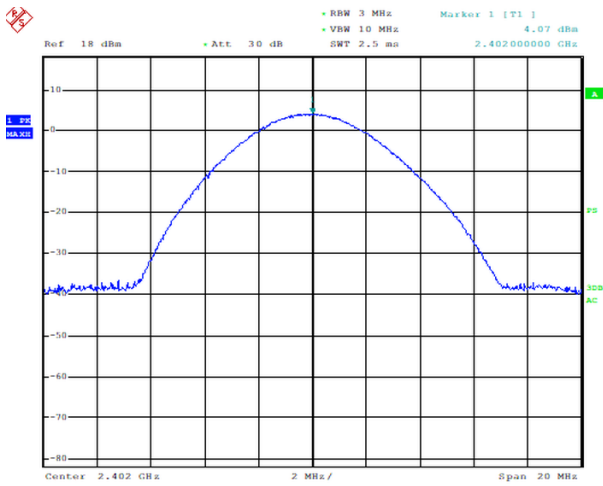


Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

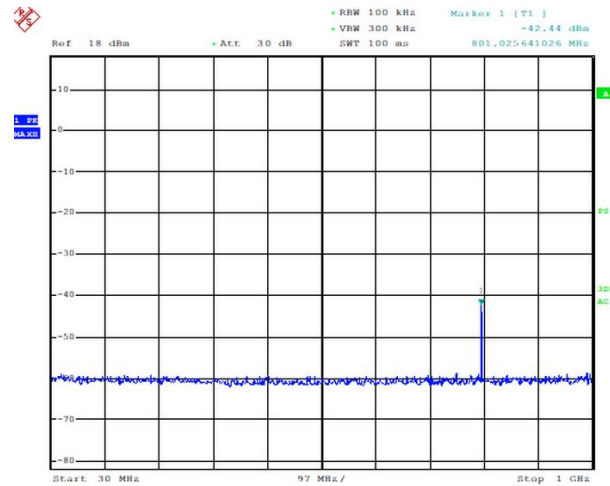
Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 2M_DH3_1010

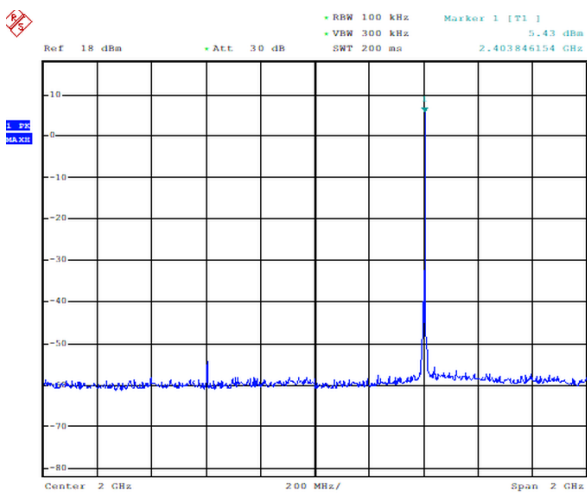
Fundamental



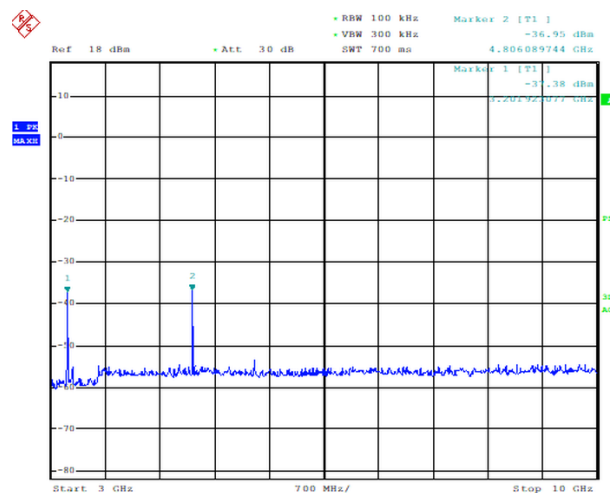
Frequency range: 30MHz – 1GHz

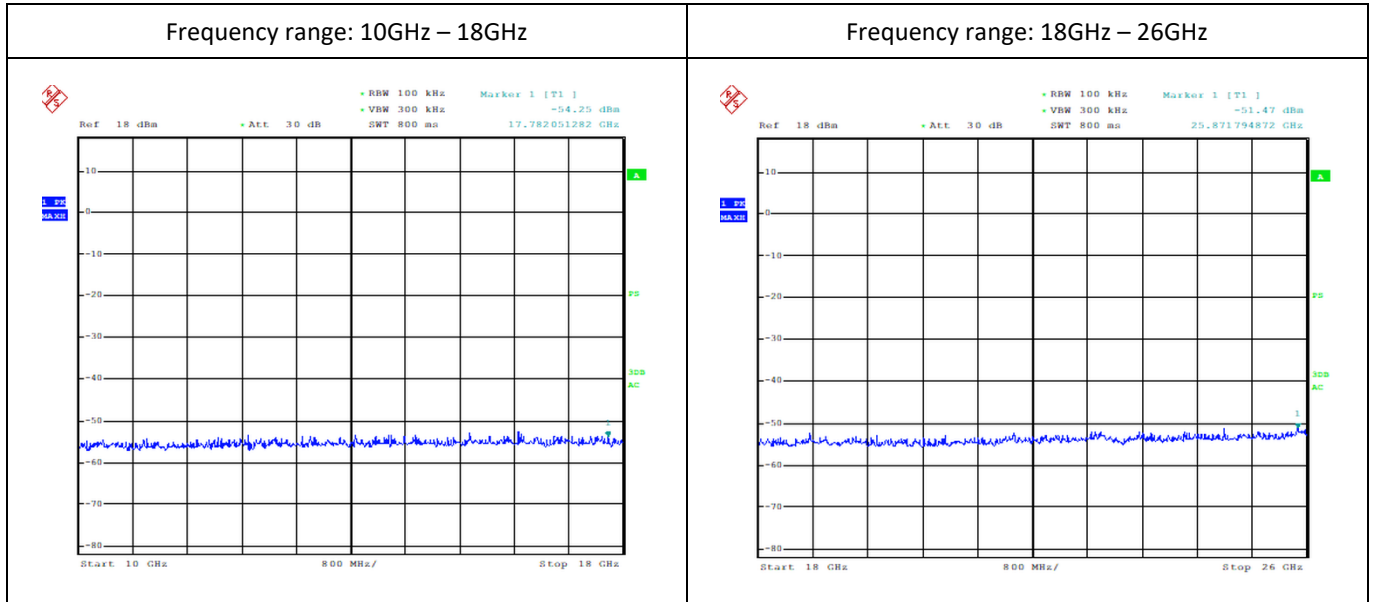


Frequency range: 1GHz – 3GHz



Frequency range: 3GHz – 10GHz





Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-42,44	4,07	46,51	-15,93	26,51	PASS
3201,92	-37,38		41,45		21,45	
4806,09	-36,95		41,02		21,02	

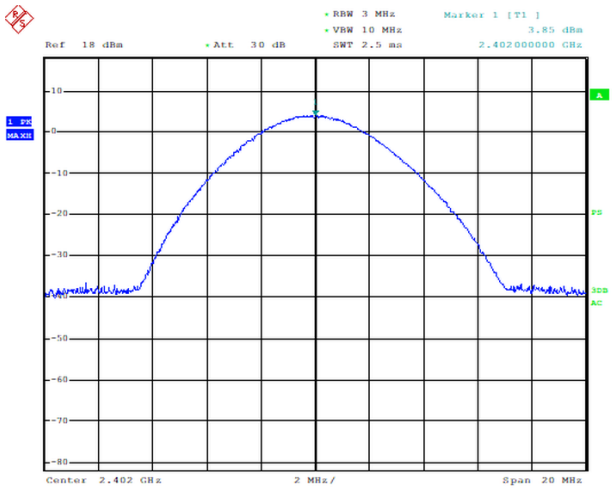


Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

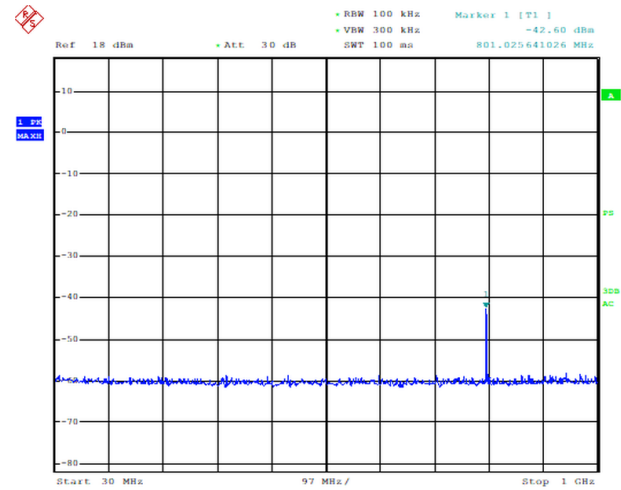
Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 2M_DH5_1010

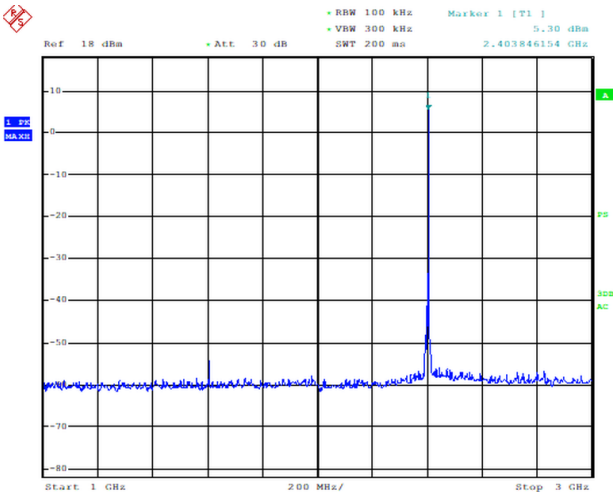
Fundamental



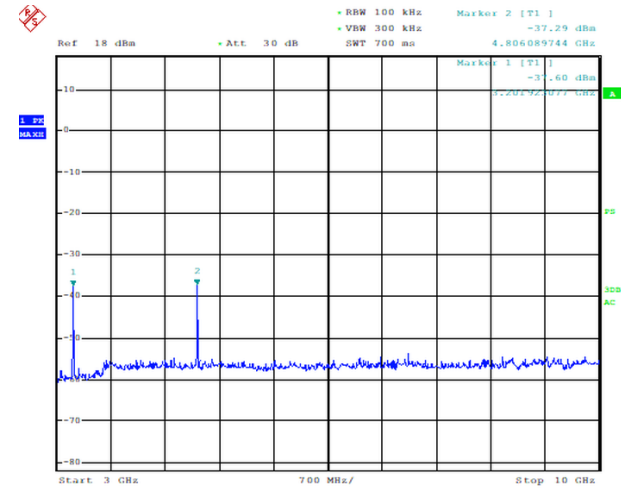
Frequency range: 30MHz – 1GHz

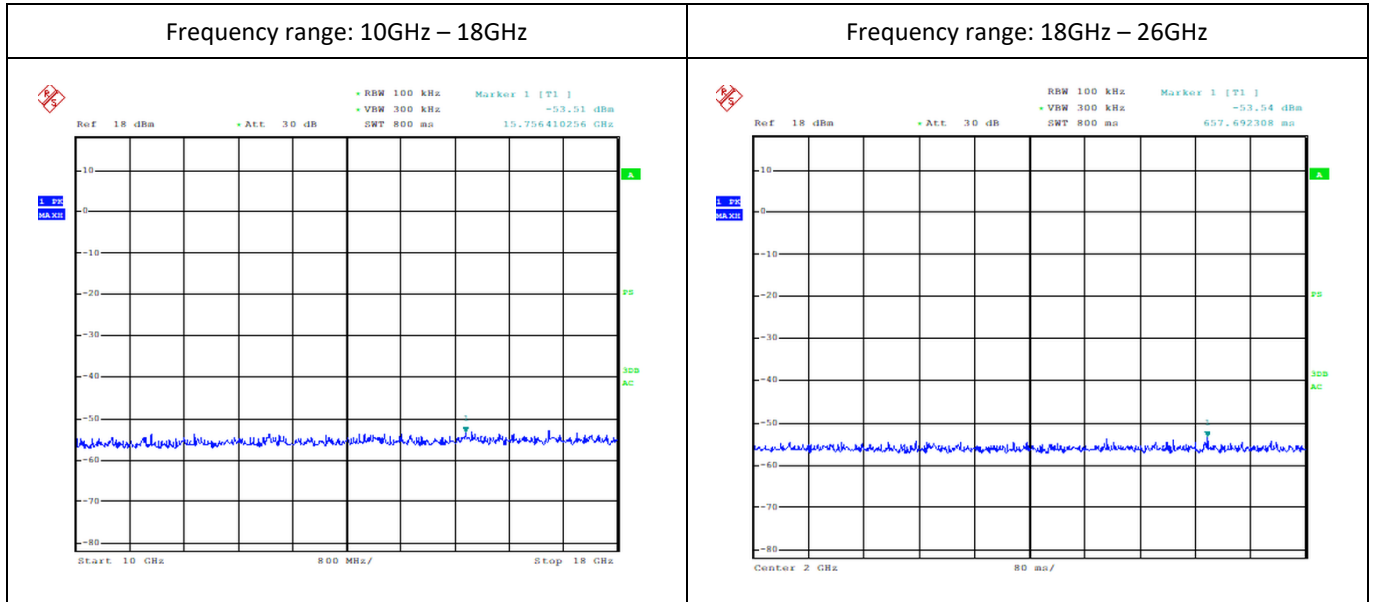


Frequency range: 1GHz – 3GHz



Frequency range: 3GHz – 10GHz



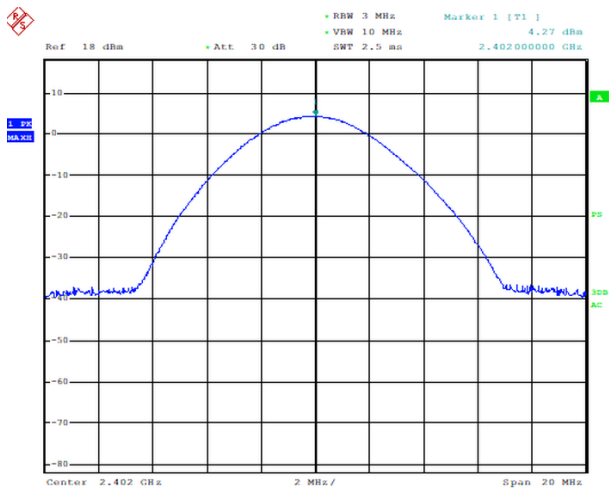
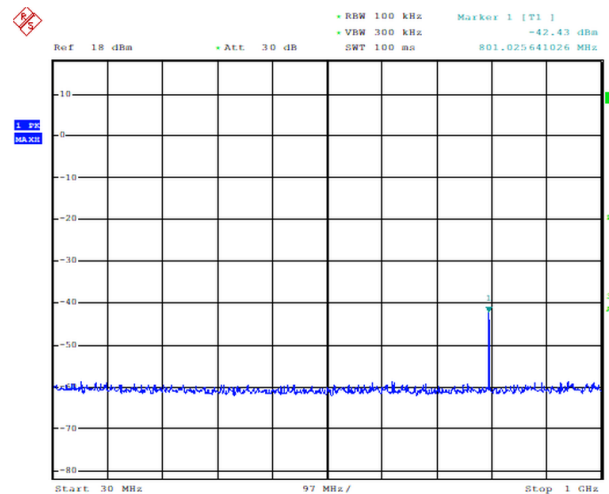
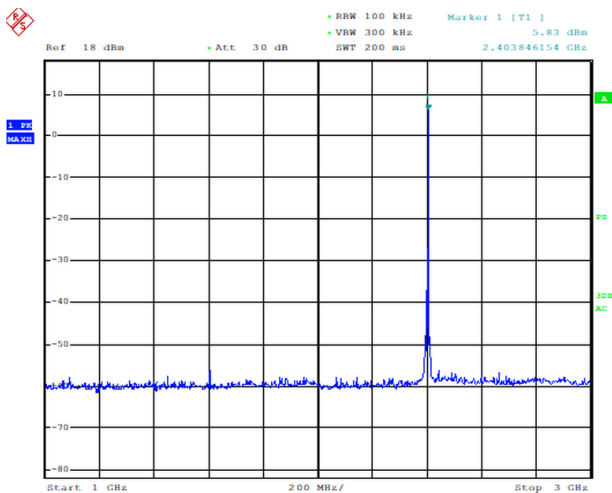
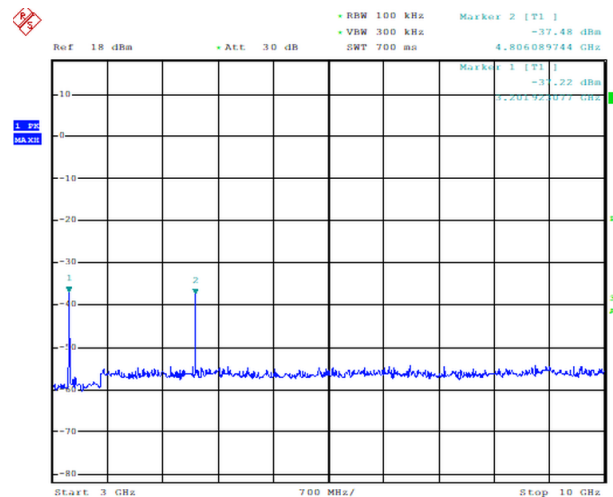


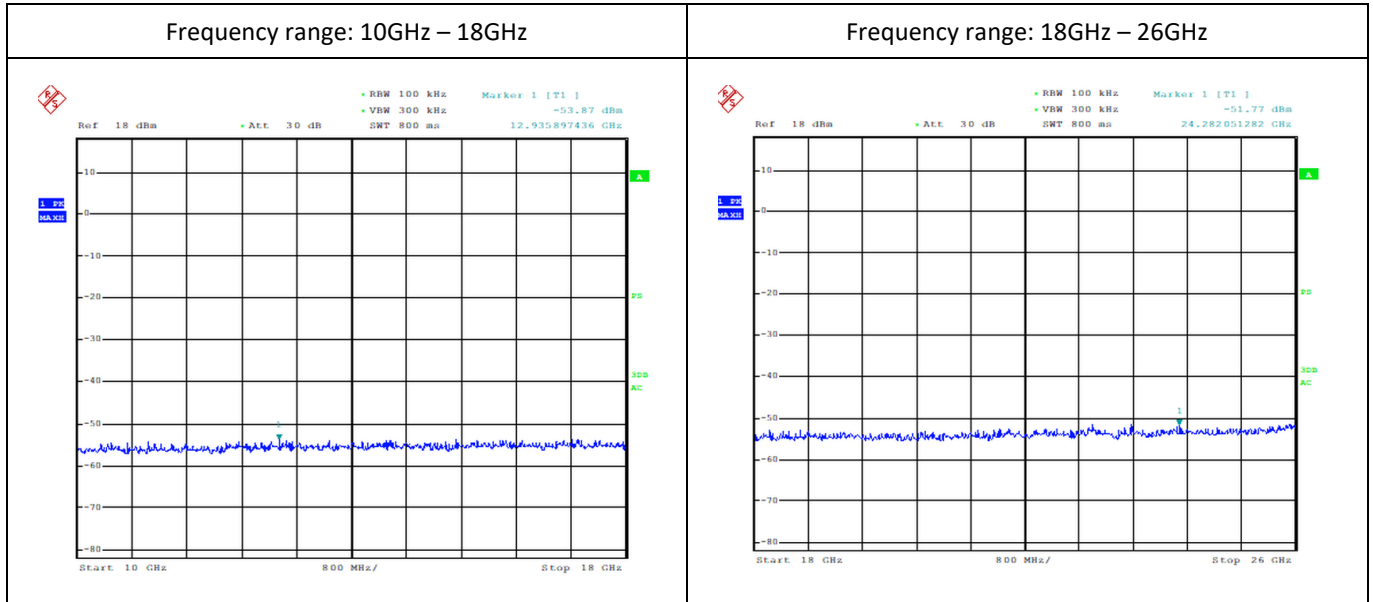
Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-42,60	3,85	46,45	-16,15	26,45	PASS
3201,92	-37,60		41,45		21,45	
4806,09	-37,29		41,14		21,14	

Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 3M_DH1_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz




Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-42,43	4,27	46,70	-15,73	26,70	PASS
3201,92	-37,22		41,49		21,49	
4806,09	-37,48		41,75		21,75	

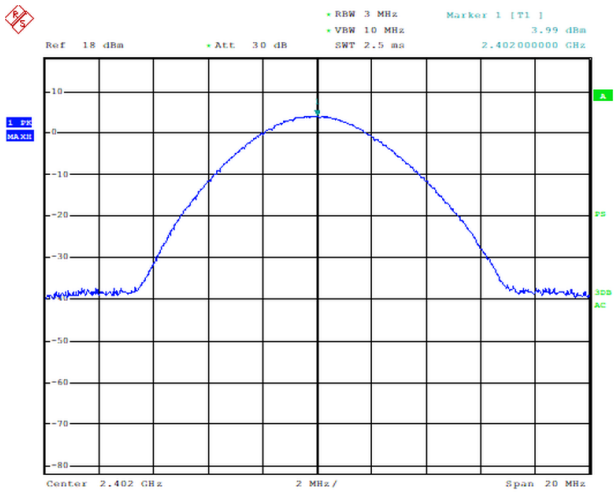


Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

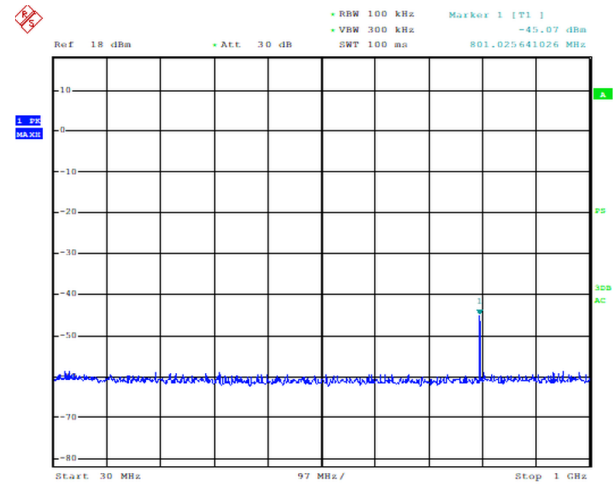
Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 3M_DH3_1010

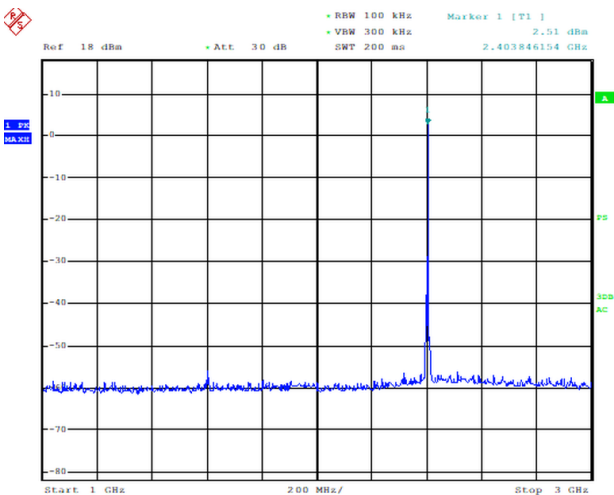
Fundamental



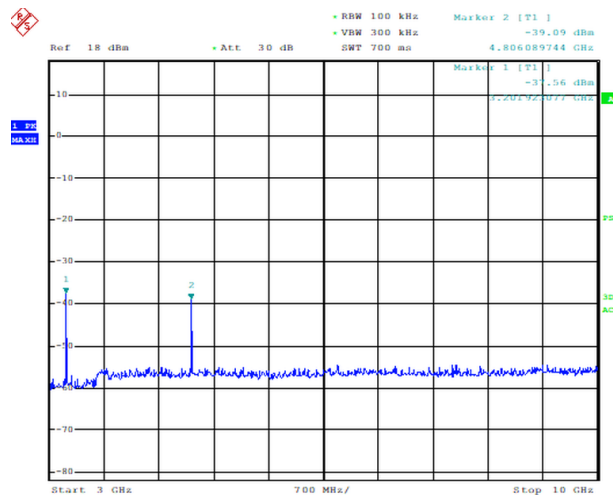
Frequency range: 30MHz – 1GHz

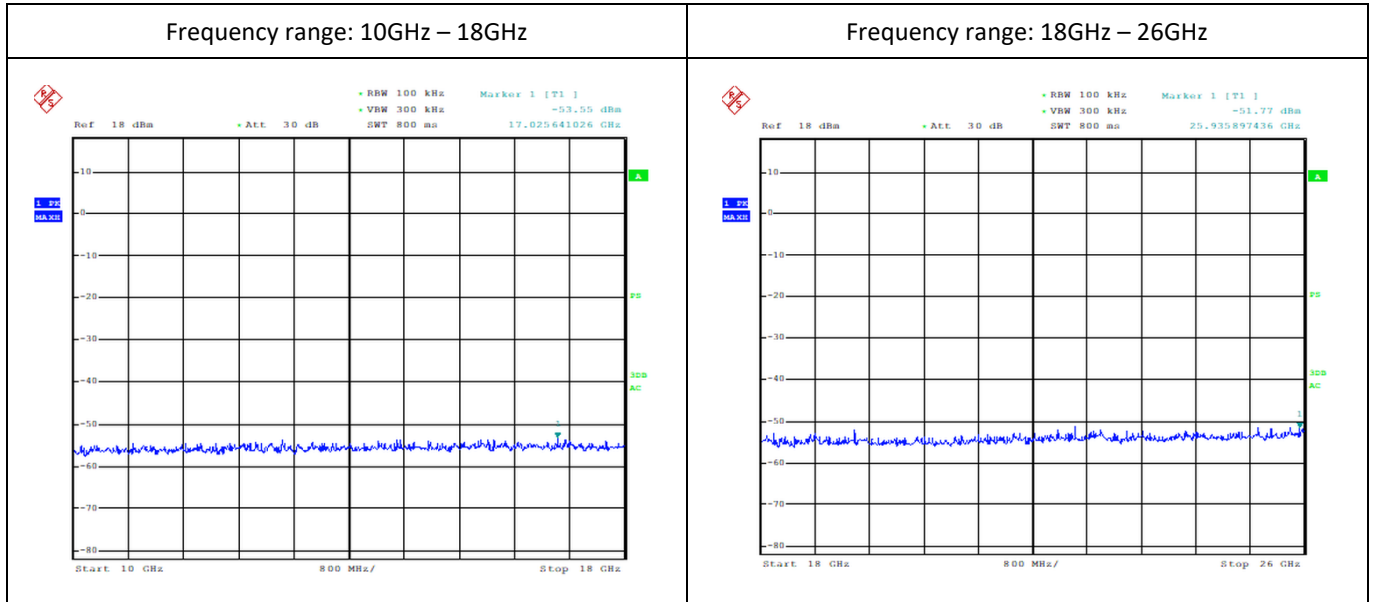


Frequency range: 1GHz – 3GHz



Frequency range: 3GHz – 10GHz





Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-45,07	3,99	49,06	-16,01	29,06	PASS
3201,92	-37,56		41,55		21,55	
4806,09	-39,09		43,08		23,08	

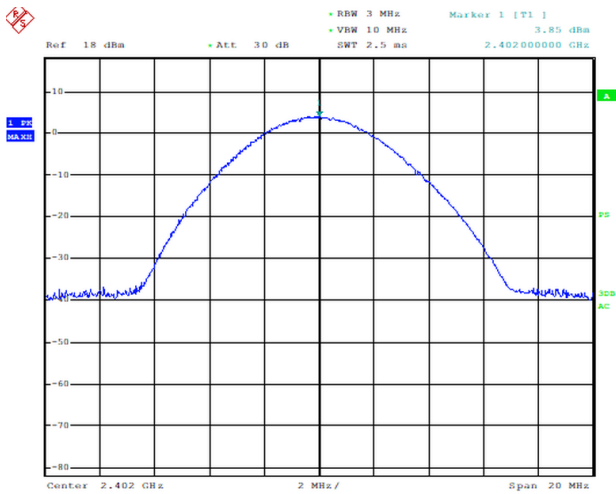


Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

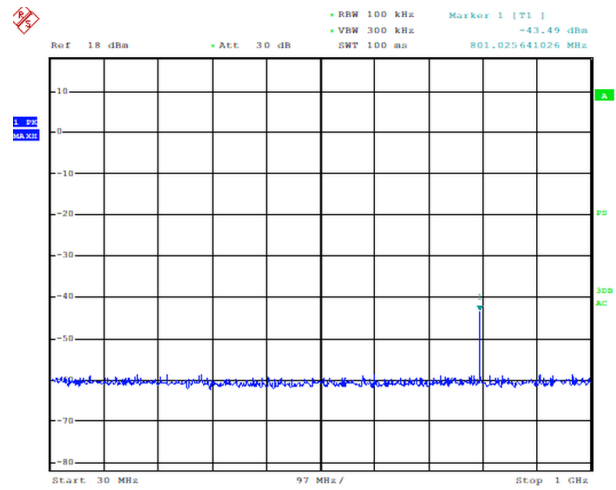
Operation mode: 1 (Channel 0 – Frequency 2402)

Data rate: 3M_DH5_1010

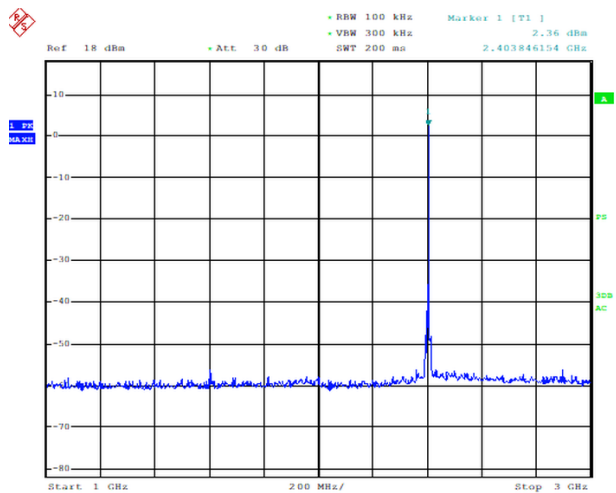
Fundamental



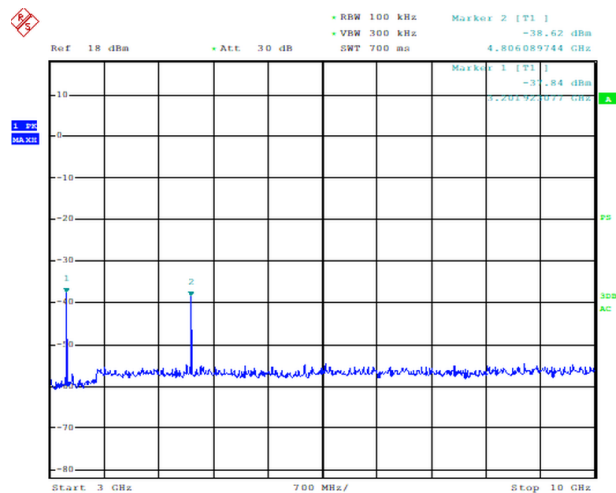
Frequency range: 30MHz – 1GHz

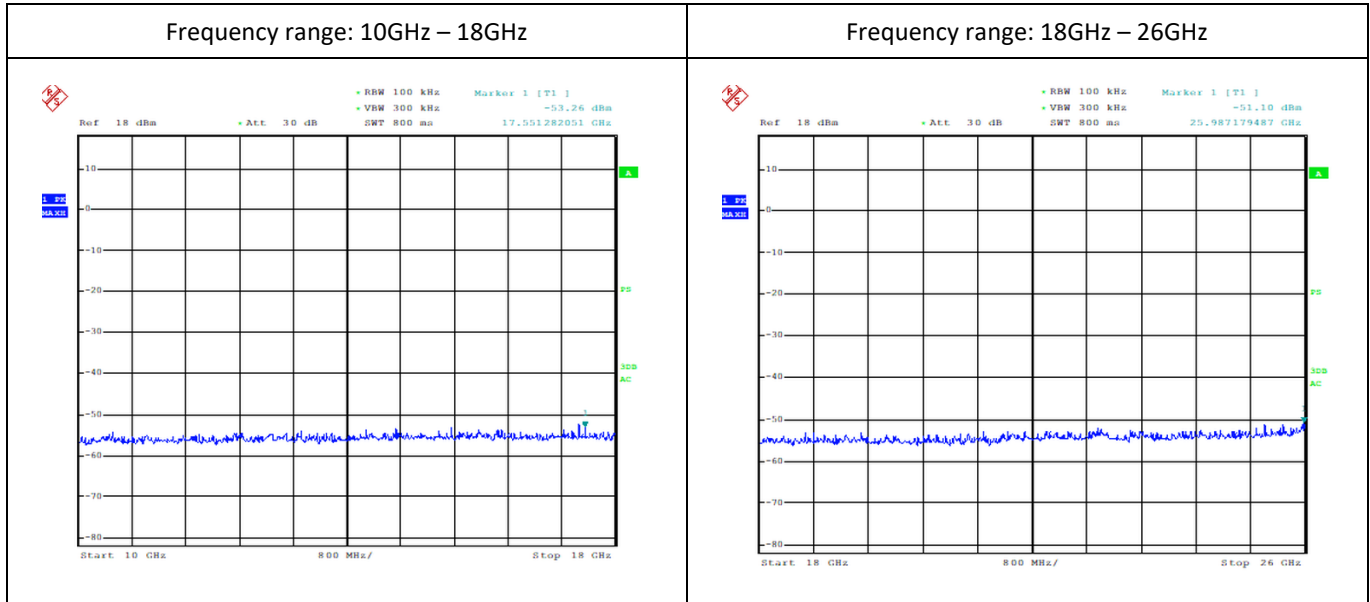


Frequency range: 1GHz – 3GHz



Frequency range: 3GHz – 10GHz



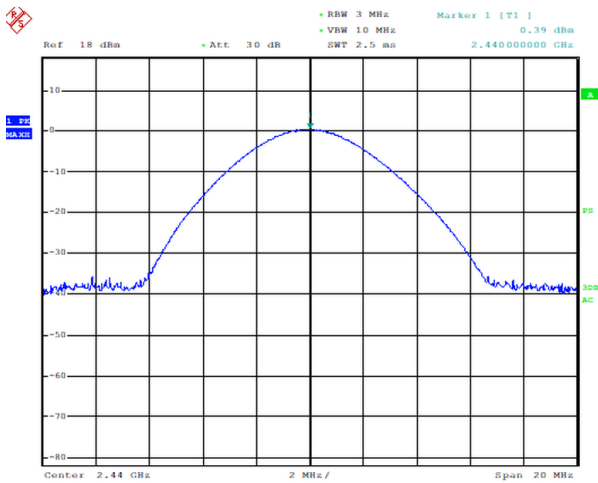
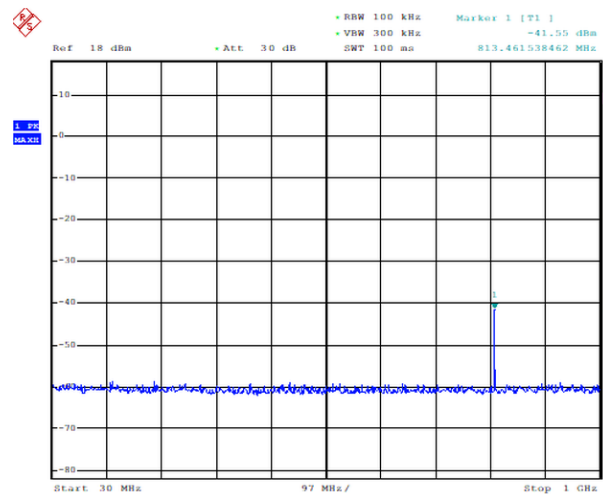
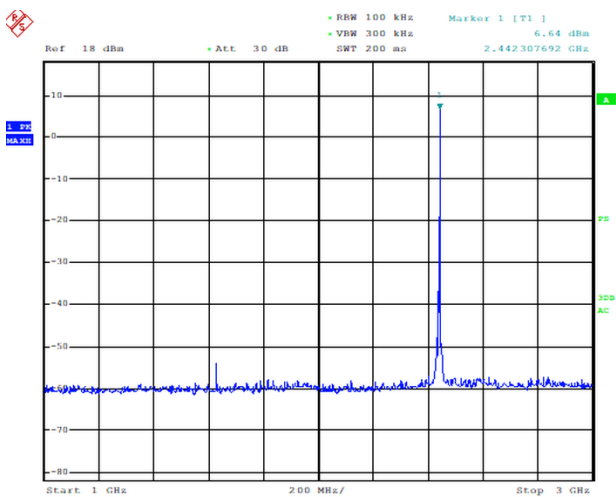
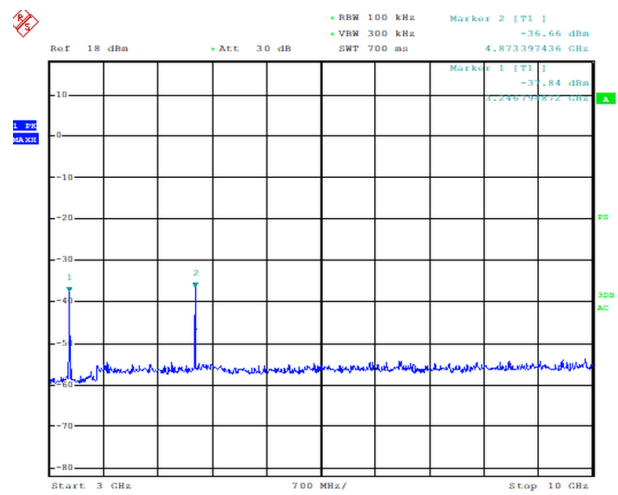


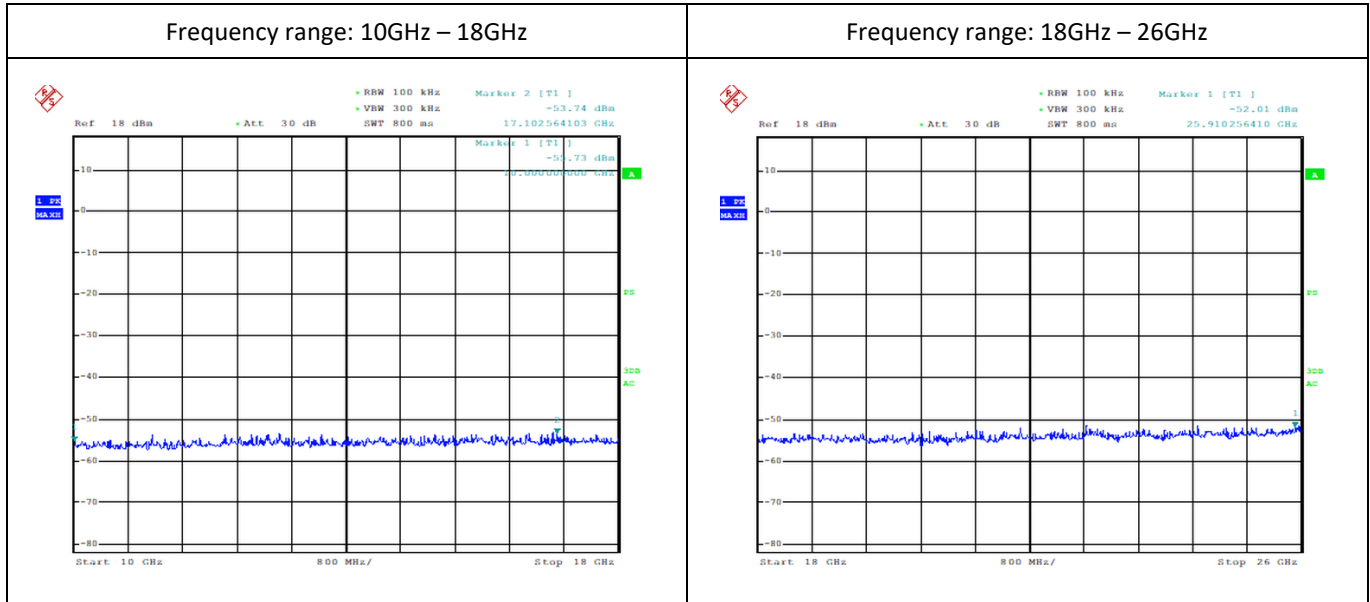
Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
801,02	-43,49	3,85	47,34	-16,15	27,34	PASS
3201,92	-37,84		41,69		21,69	
4806,09	-38,62		42,47		22,47	

Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

Operation mode: 2 (Channel 38 – Frequency 2440)

Data rate: 1M_DH1_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz


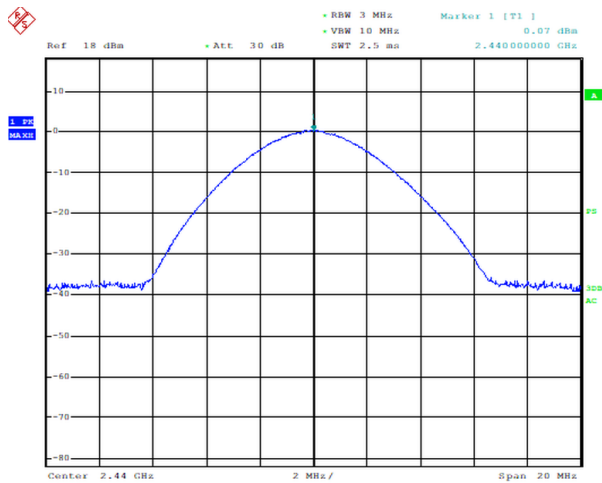
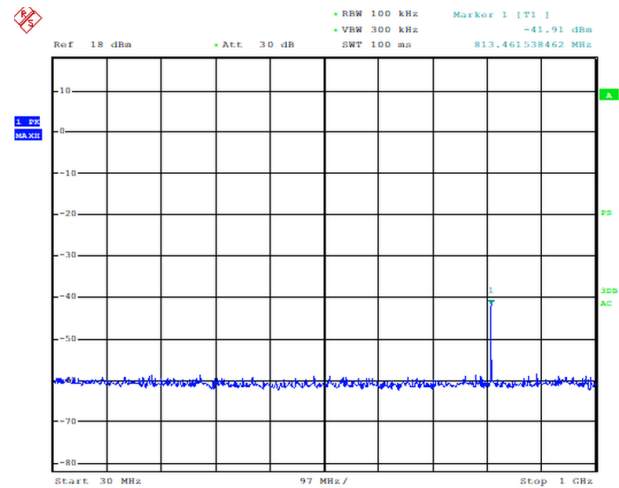
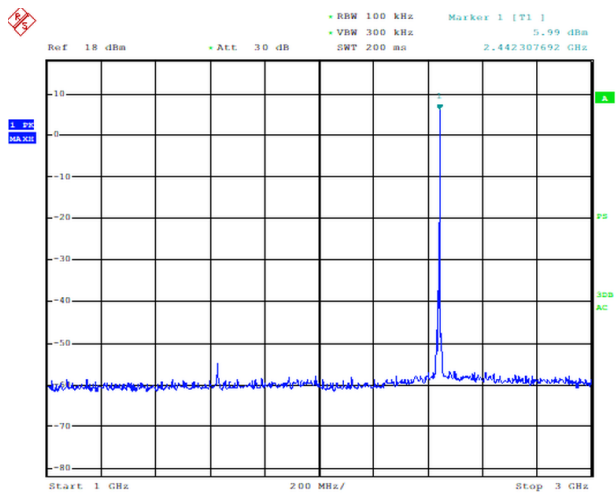
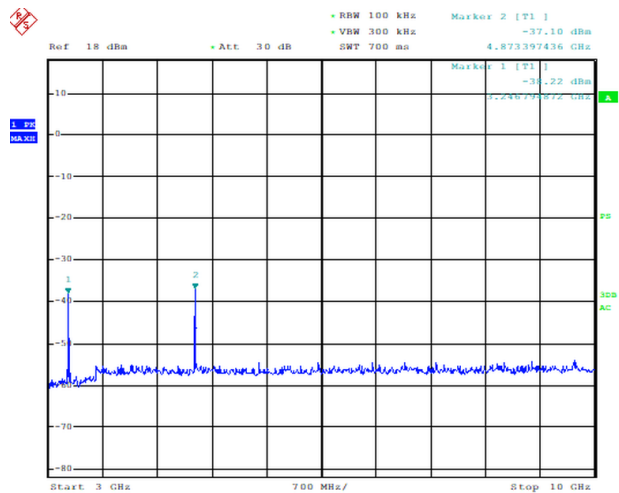


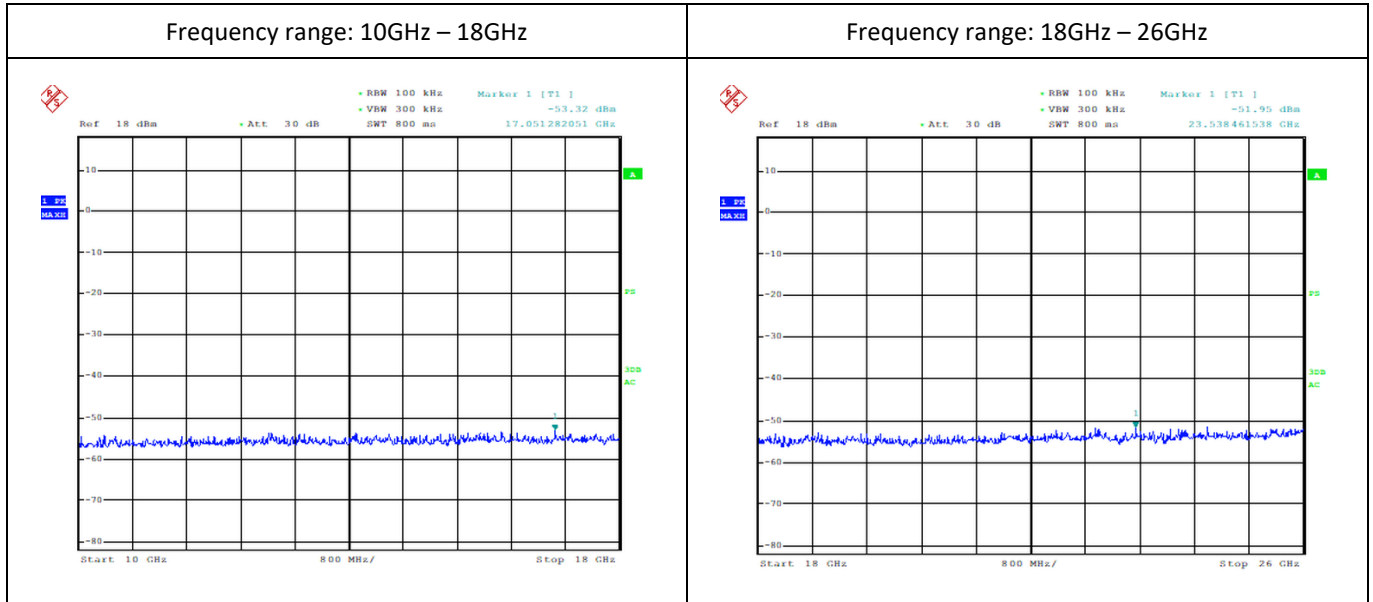
Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
813,46	-41,55	0,39	41,94	-19,61	21,94	PASS
3246,79	-37,84		38,23		18,23	
4873,39	-36,66		37,05		17,05	

Graphical presentation of RF radiated spurious emissions at the transmitter antenna terminal

Operation mode: 2 (Channel 38 – Frequency 2440)

Data rate: 1M_DH3_1010

Fundamental

Frequency range: 30MHz – 1GHz

Frequency range: 1GHz – 3GHz

Frequency range: 3GHz – 10GHz




Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power -20dB (dBm)	Margin	Result
813,46	-41,91	0,07	41,98	-19,93	21,98	PASS
3246,79	-38,22		38,29		18,29	
4873,39	-37,10		37,17		17,17	