

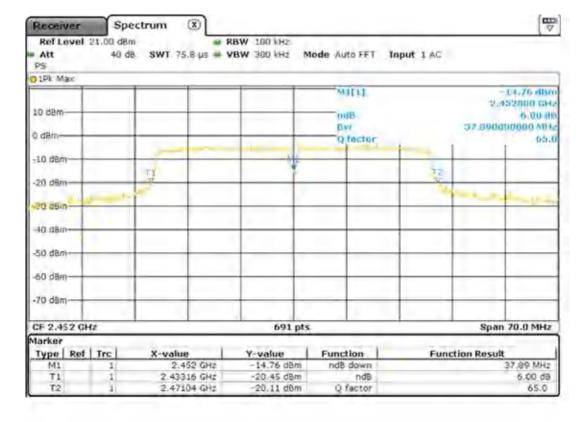




Issue Date: 16/09/2022

Graphical presentation of 6dB Bandwidth measurement

Test conditions		Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result	
Temperature	Voltage	Data rate	(IVIFIZ)		(IVIП2)	
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS2 (HT40)	2452	9	37.89	PASS





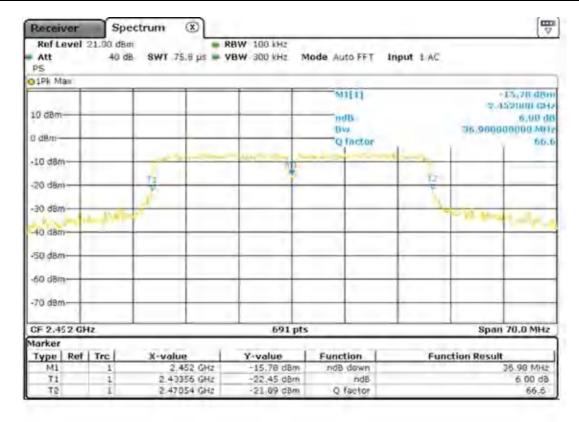




Issue Date: 16/09/2022

Graphical presentation of 6dB Bandwidth measurement

Test conditions		Frequency (MHz)	Channel	6dB Bandwidth	Result	
Temperature	Voltage	Data rate	(IVIFIZ)		(MHz)	
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS3 (HT40)	2452	9	36.98	PASS





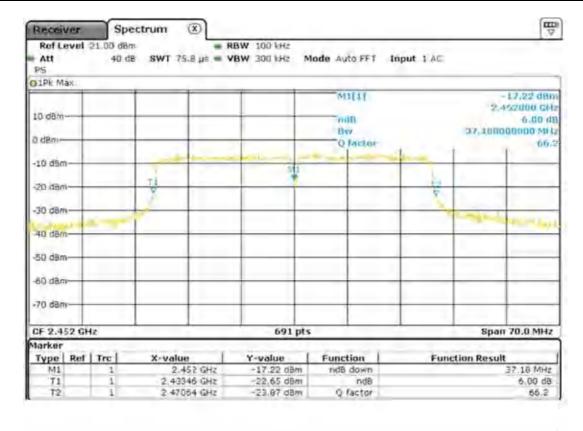




Issue Date: 16/09/2022

Graphical presentation of 6dB Bandwidth measurement

Test conditions		Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result	
Temperature	Voltage	Data rate	(IVIIIZ)		(IVITIZ)	
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS4 (HT40)	2452	9	37.18	PASS





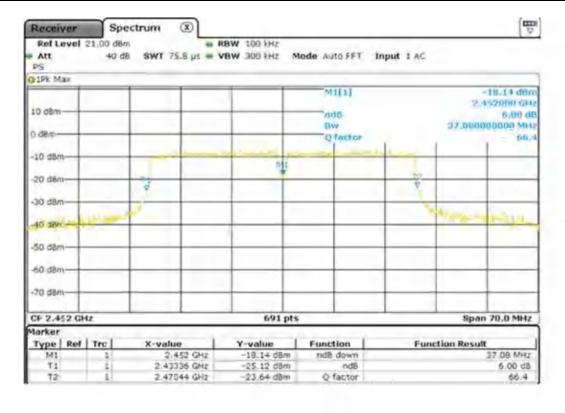




Issue Date: 16/09/2022

Graphical presentation of 6dB Bandwidth measurement

Test conditions		Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result	
Temperature	Voltage	Data rate	(141112)		(IVITIZ)	
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS5 (HT40)	2452	9	37.08	PASS





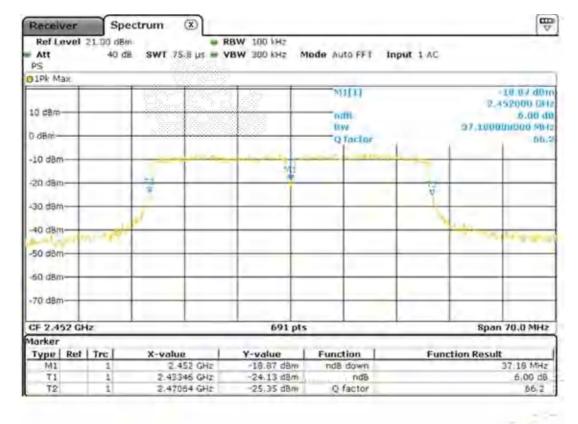




Issue Date: 16/09/2022

Graphical presentation of 6dB Bandwidth measurement

Test conditions		Frequency (MHz)	Channel	6dB Bandwidth	Result	
Temperature	Voltage	Data rate	(IVITIZ)		(MHz)	
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS6 (HT40)	2452	9	37.18	PASS





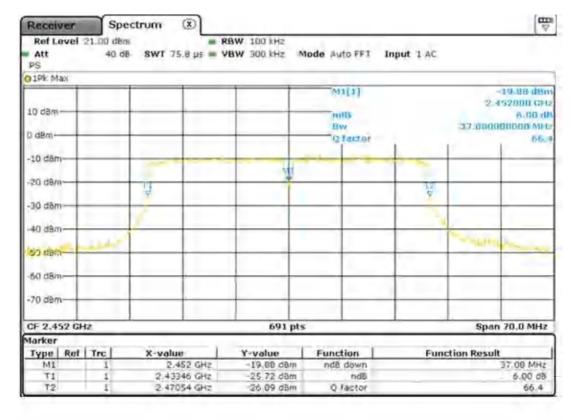




Issue Date: 16/09/2022

Graphical presentation of 6dB Bandwidth measurement

Test conditions		Frequency (MHz)	Channel	6dB Bandwidth	Result	
Temperature	Voltage	Data rate	(IVIIIZ)		(MHz)	
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS7 (HT40)	2452	9	37.08	PASS









Issue Date: 16/09/2022

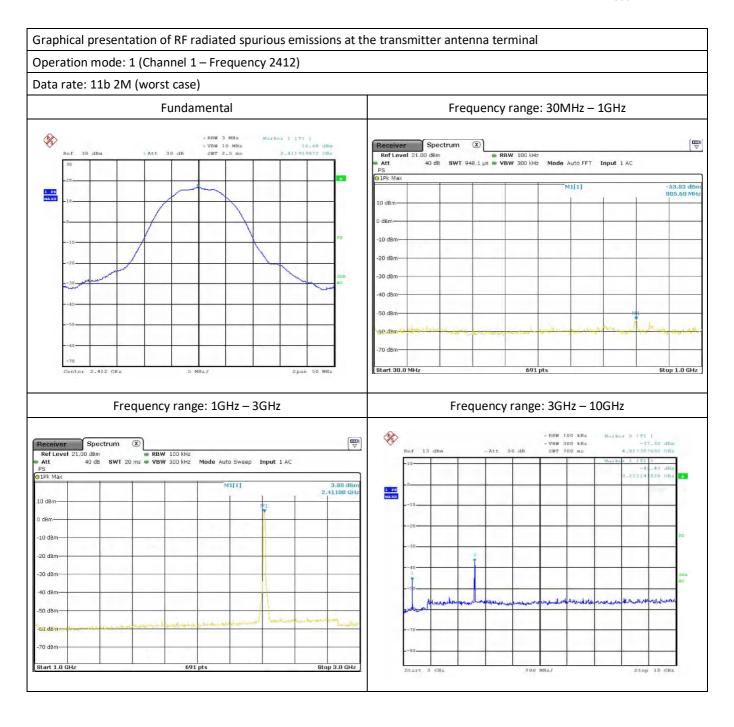
Out-of-band-emissions	
Test date	From 11/04/2022 to 20/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.247
Test method	According to Par. 8.5 of KDB 558074 D01 15.247 Meas. Guidance v05r02 (and par. 11.11 of ANSI C63.10)
Temperature	23,1°
Humidity	54%
Tested by	Francesco Lombardi
Model	MP350
Internal Storage No.	1 (Storage no. A003216149-003)
Operating mode	1, 2, 3, 4, 5
Tested terminals	Antenna connector
Result	PASS

(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)).





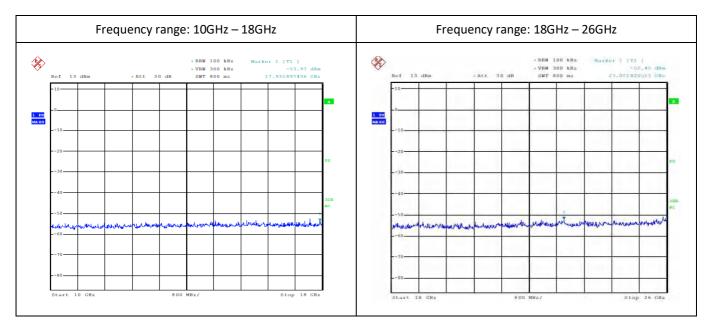










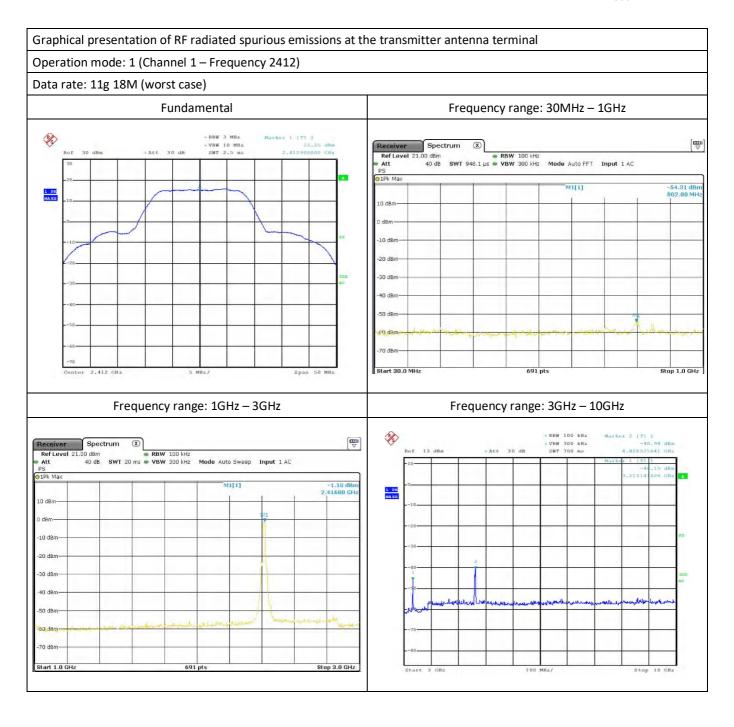


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3213.14	-46.43	16.60	63.11	2 22	43.11	PASS
4817.31	-37.32	16.68	54.00	-3.32	34.00	PASS





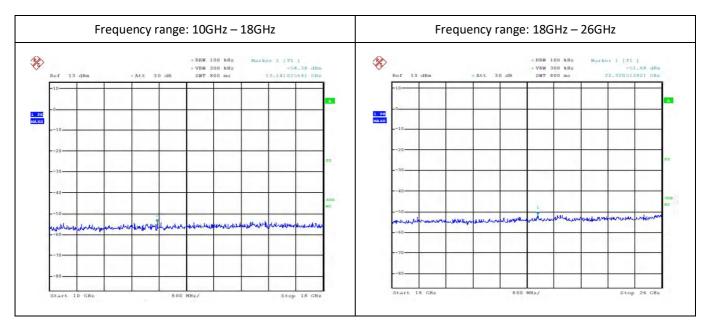










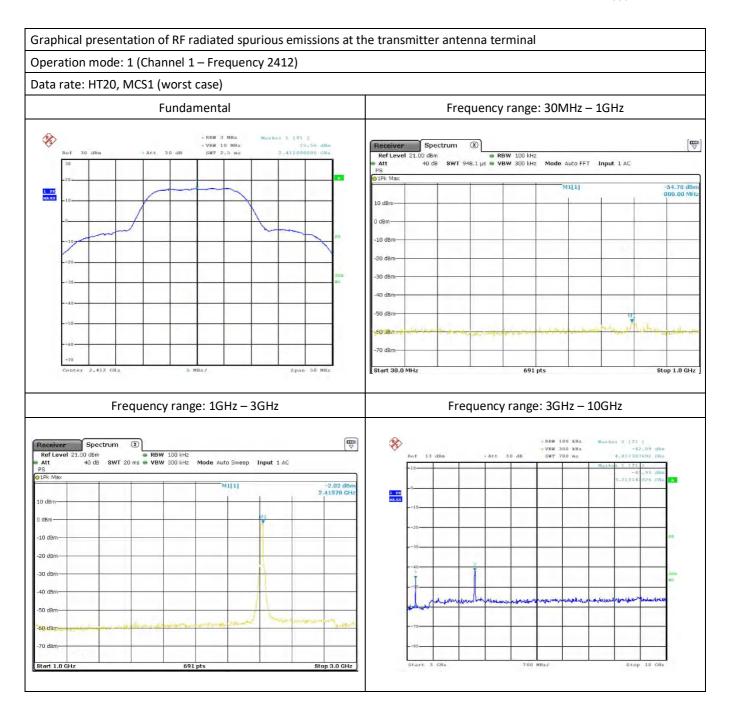


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3213.14	-46.15	15.25	61.40	4.75	41.40	PASS
4828.53	-40.94	15.25	56.19	-4.75	36.19	PASS





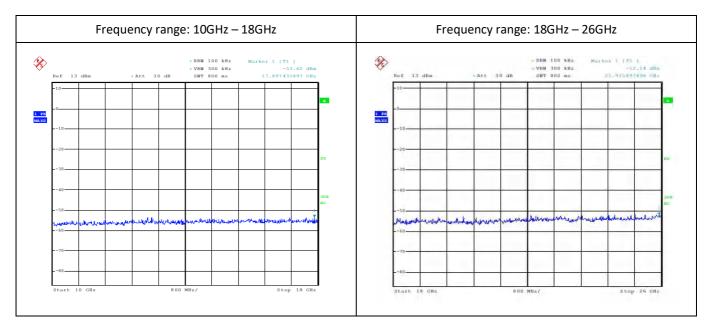










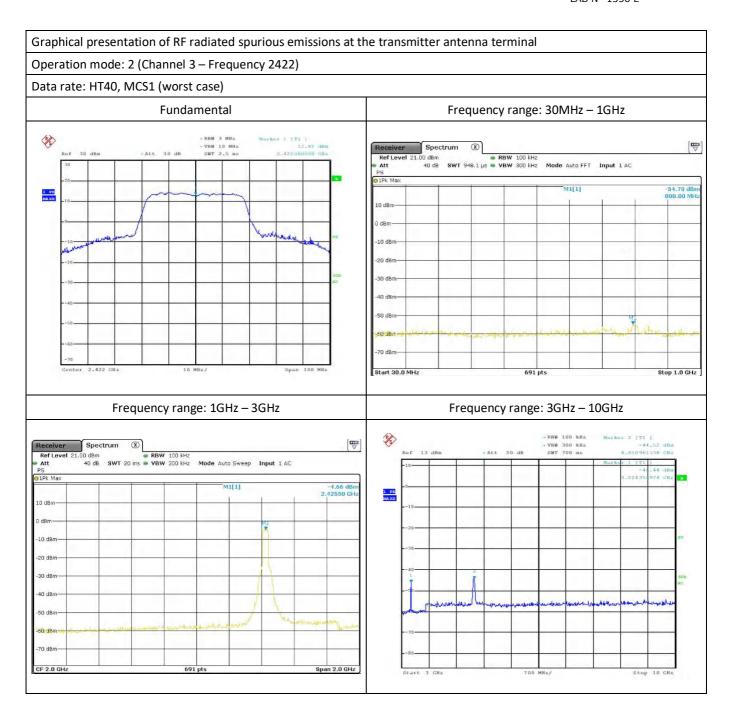


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3213.14	-45.93	15 56	61.49	4.44	41.49	PASS
4817.31	-42.09	15.56	57.65	-4.44	37.65	PASS





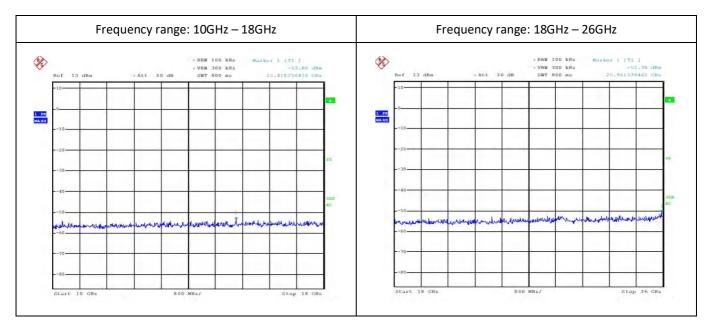










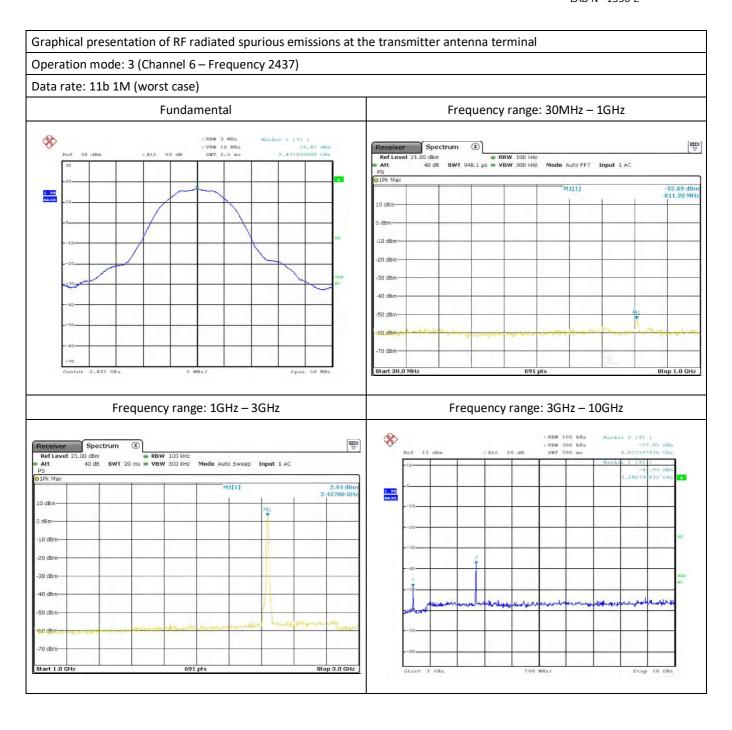


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3224.36	-46.44	12.02	59.26	7.10	39.26	PASS
4850.96	-42.09	12.82	54.91	-7.18	34.91	PASS





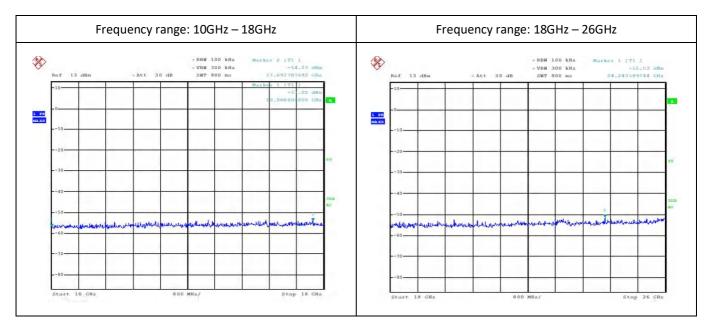










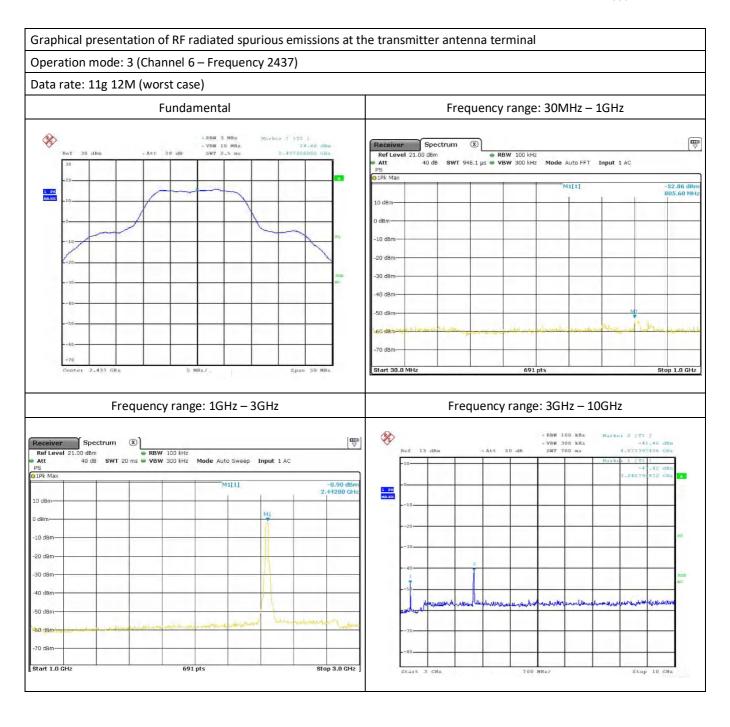


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3246.80	-48.93	16.45	65.38	2.55	45.38	PASS
4873.40	-37.95	16.45	54.40	-3.55	34.40	PASS





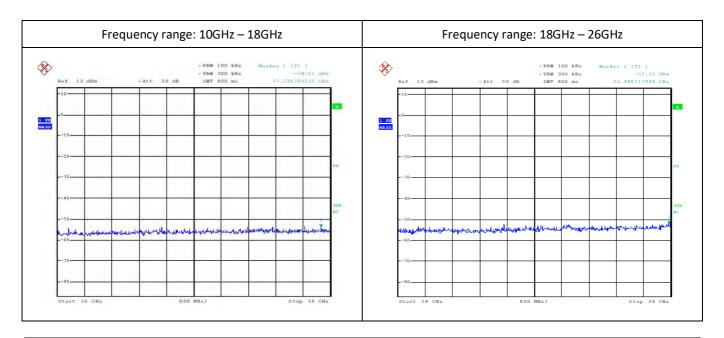










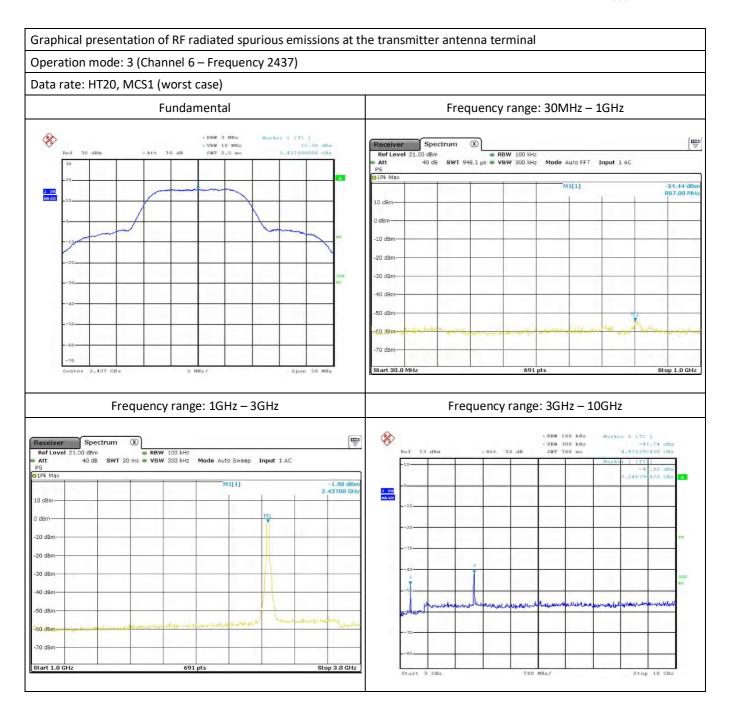


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3246.80	-47.42	14.86	62.28	F 14	42.28	PASS
4873.40	-41.46		56.32	-5.14	36.32	PASS





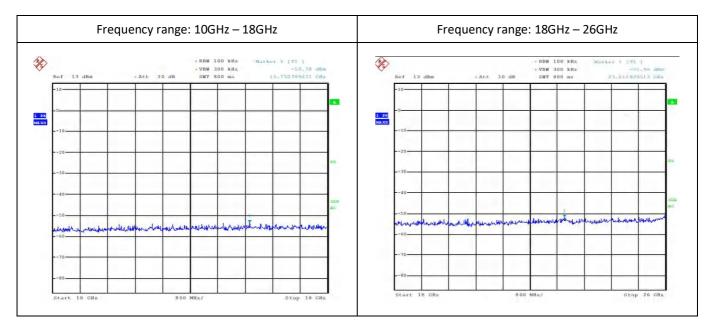










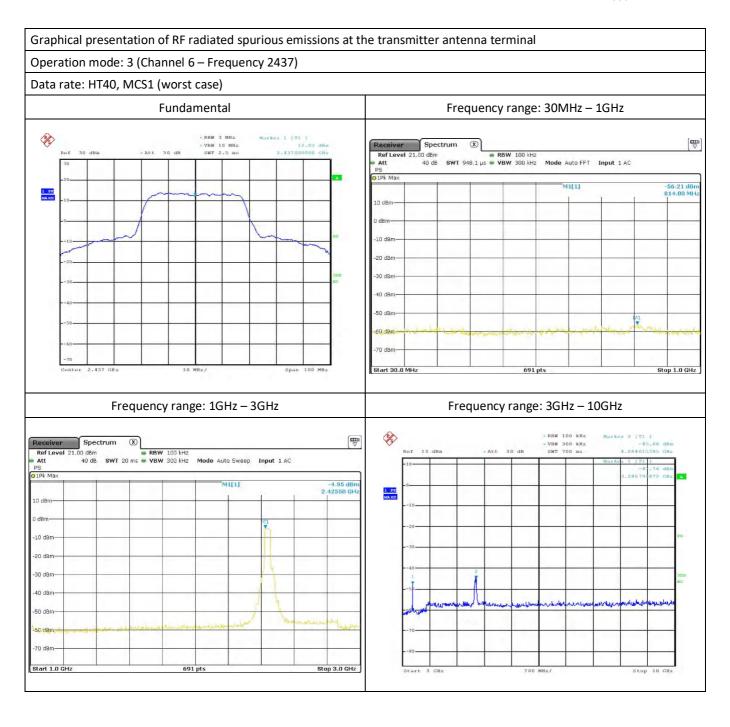


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3246.80	-47.22	15.38	62.60	4.62	42.60	PASS
4873.40	-41.74		57.12	-4.62	37.12	PASS





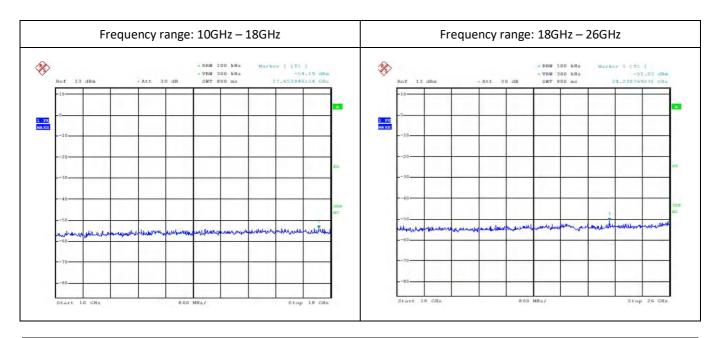










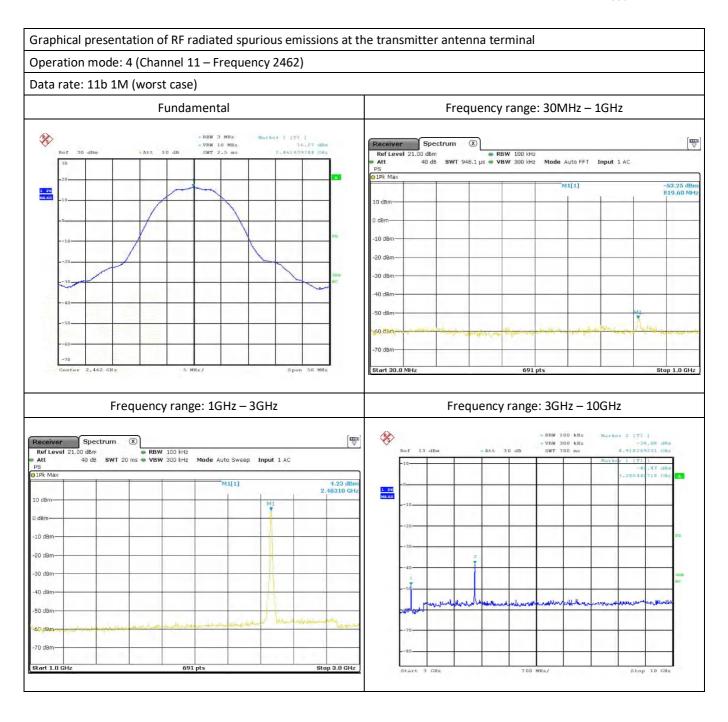


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3246.80	-47.76	12.03	59.79	7.07	39.79	PASS
4884.61	-45.08		57.11	-7.97	37.11	PASS





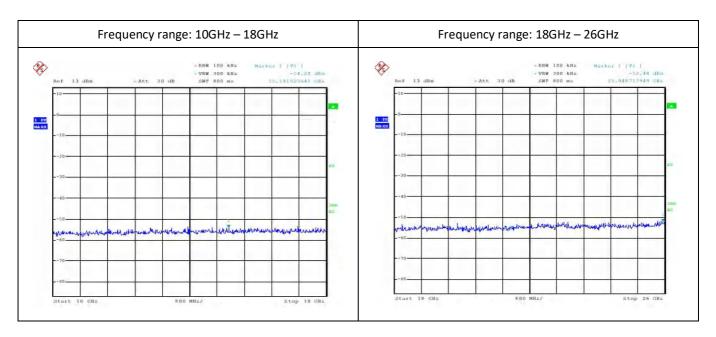










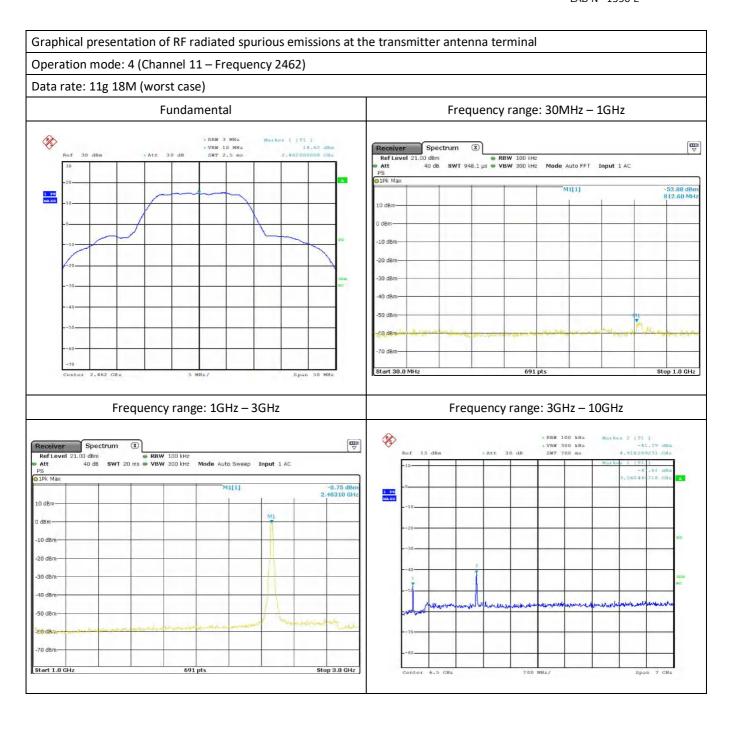


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3280.44	-48.47	16.27	64.74	2 72	44.74	PASS
4918.27	-38.08		54.35	-3.73	34.35	PASS





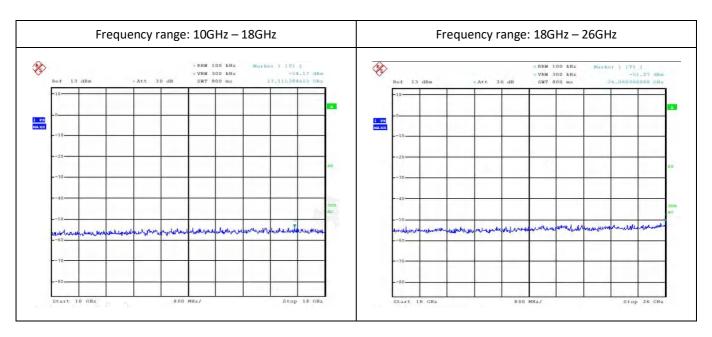










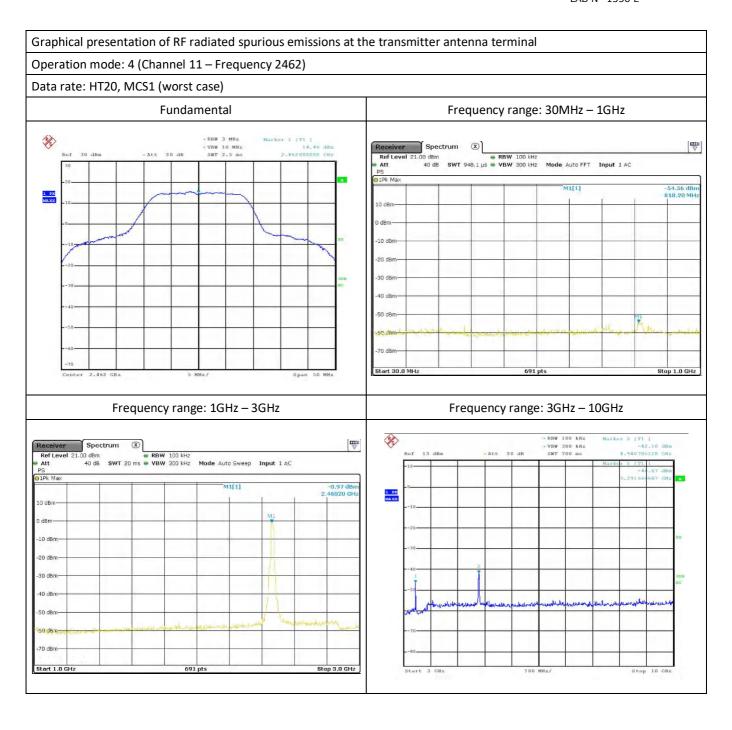


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3280.44	-47.61	14.62	62.23	F 20	42.23	PASS
4918.27	-41.79		56.41	-5.38	36.41	PASS





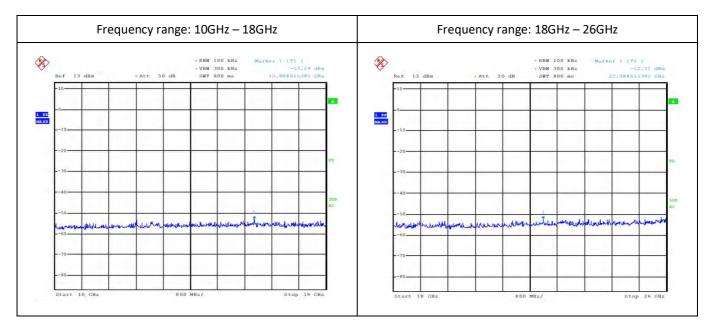










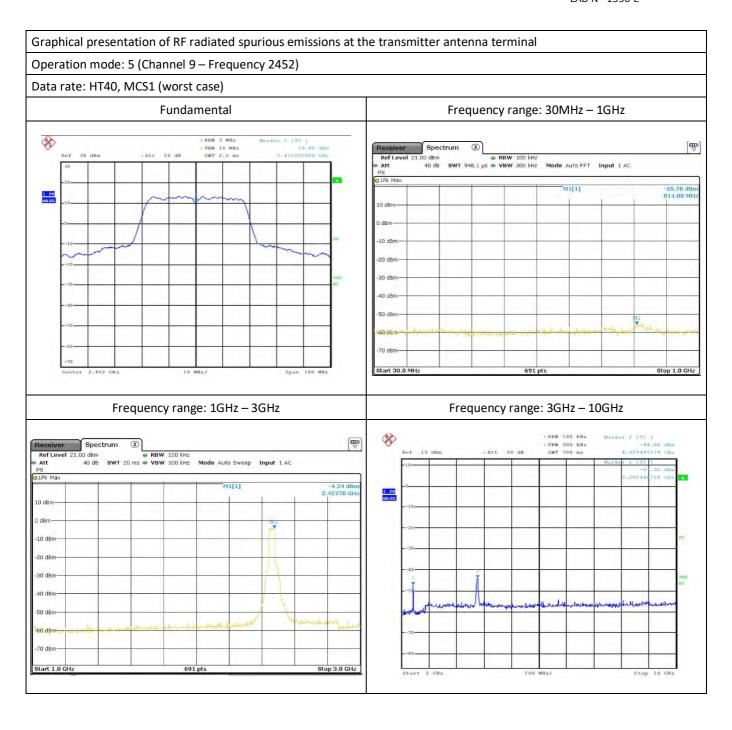


Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3291.66	-46.67	14.46	61.13	F F 4	41.13	PASS
4940.70	-42.10		56.56	-5.54	36.56	PASS





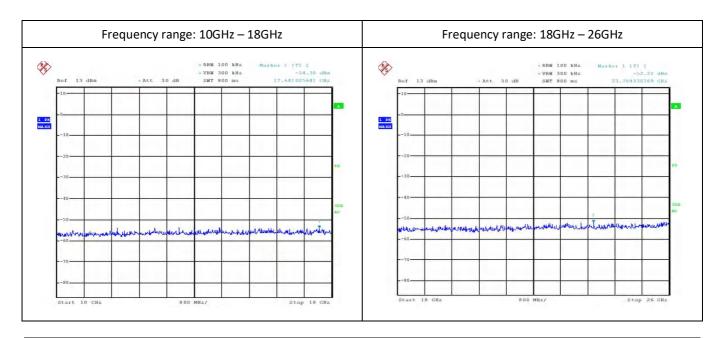












Frequency (MHz)	Measured power (dBm)	Fundamental Level (dBm)	Difference Peak / Spurious (dB)	Peak Limit at PK power – 20dB (dBm)	Margin	Result
3280.44	-47.36	11.66	59.02	0.24	39.02	PASS
4929.48	-44.08		55.74	-8.34	35.74	PASS







Band Edge	
Test date	20/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.247
Test method	According to Par. 8.7.2 (Marker-Delta method) of KDB 558074 D01 15.247 Meas Guidance v05r02 (and par. 6.10.4 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, 4, 5
Tested terminals	Antenna connector
Result	PASS







Issue Date: 16/09/2022

(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)).





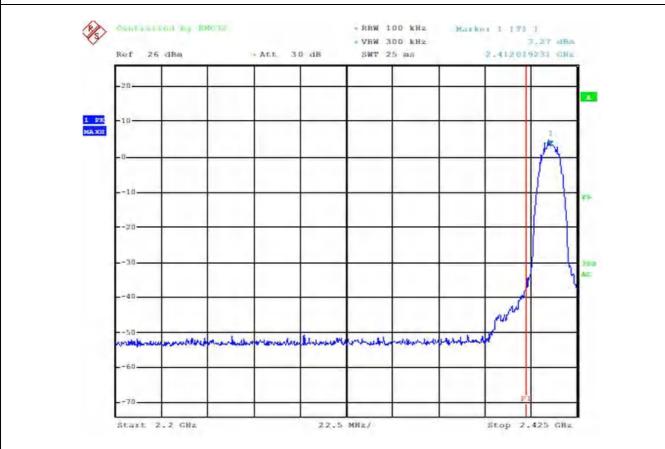


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 1 (Channel 1 – Frequency 2412)

Data rate: 11b 2M (worst case)



Frequency (MHz)	Measured peak power at fundamental frequency (dBm)	Difference Peak / band edge (dBm)	Result
2412.01	3.27	> 20	PASS





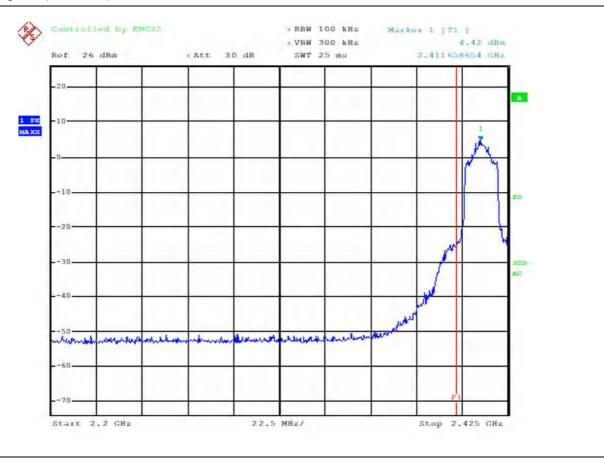


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 1 (Channel 1 – Frequency 2412)

Data rate: 11g 18M (worst case)



Frequency (MHz)	. , , , , , , , , , , , , , , , , , , ,		Result
2411.65	4.42	> 20	PASS





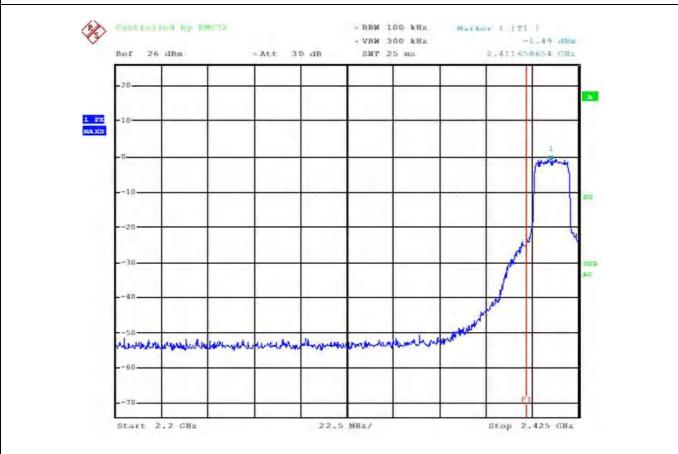


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 1 (Channel 1 – Frequency 2412)

Data rate: HT20, MCS1 (worst case)



Frequency (MHz)	. , , , , , , , , , , , , , , , , , , ,		Result
2411.65	-1.49	> 20	PASS





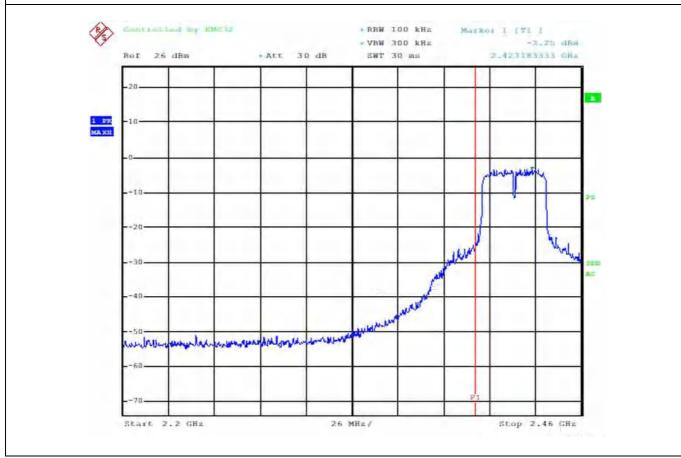


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 2 (Channel 3 – Frequency 2422)

Data rate: HT40, MCS1 (worst case)



Frequency (MHz)	Measured peak power at fundamental frequency (dBm)	Difference Peak / band edge (dBm)	Result
2423.18	-3.25	> 20	PASS





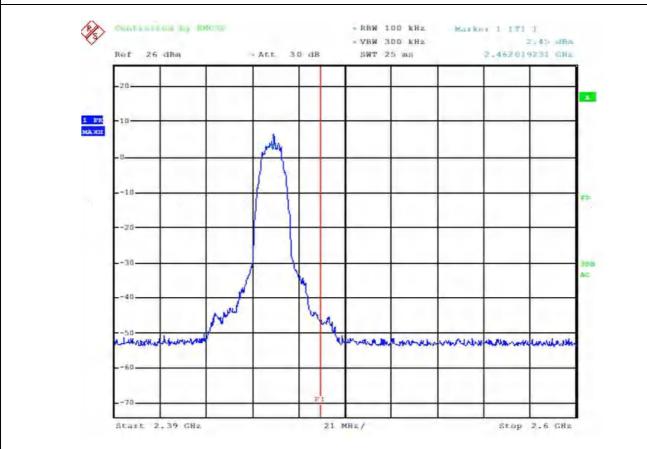


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 4 (Channel 11 – Frequency 2462)

Data rate: 11b 1M (worst case)



Frequency (MHz)	Measured peak power at fundamental frequency (dBm)	Difference Peak / band edge (dBm)	Result
2462.02	2.45	> 20	PASS





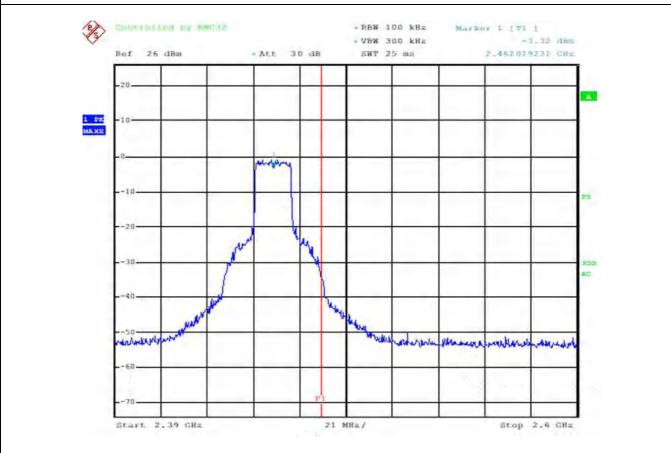


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 4 (Channel 11 – Frequency 2462)

Data rate: 11g 18M (worst case)



Frequency (MHz)	• •		Result
2462.02	-3.32	> 20	PASS





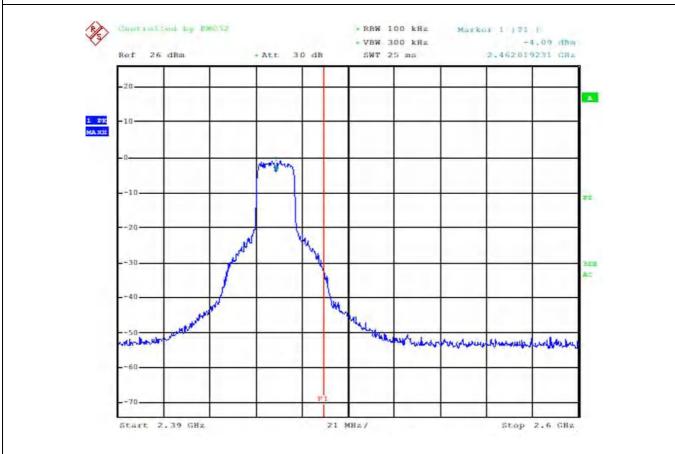


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 4 (Channel 11 – Frequency 2462)

Data rate: HT20, MCS1 (worst case)



Frequency (MHz)	. , , , , , , , , , , , , , , , , , , ,		Result
2462.02 -4.09		> 20	PASS





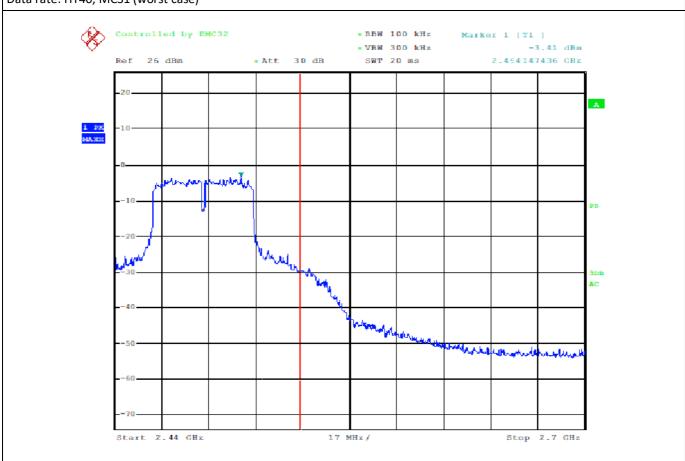


Issue Date: 16/09/2022

Graphical presentation of Lower Band-Edge

Operation mode: 5 (Channel 9 – Frequency 2452)

Data rate: HT40, MCS1 (worst case)



Frequency (MHz)	. ,		Result
2454.14	-3.41	> 20	PASS







Issue Date: 16/09/2022

Power spectral density	
Test date	From 04/04/2022 to 06/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.247
Test method	According to Par. 8.4 of KDB 558074 D01 15.247 Meas. Guidance v05r02 (and par. 11.10.2 Method PK PSD 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, 4, 5
Tested terminals	Antenna connector
Result	PASS







Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11b, 1M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	1.51	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11b, 2M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	0.65	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11b, 5.5M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	1.11	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11b, 11M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	2.42	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 6M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-8.41	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 9M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-8.36	8	PASS









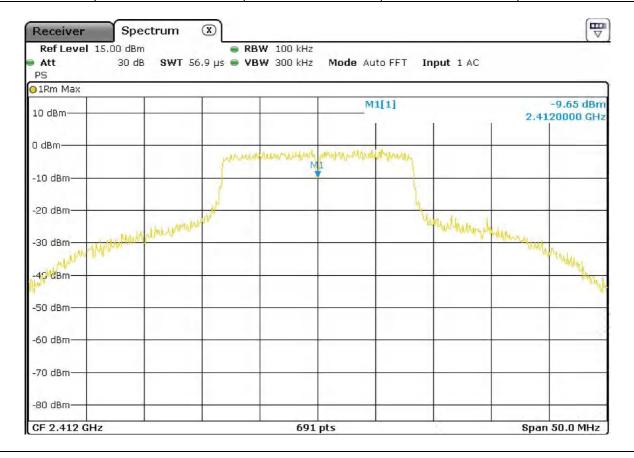
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 12M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-9.65	8	PASS









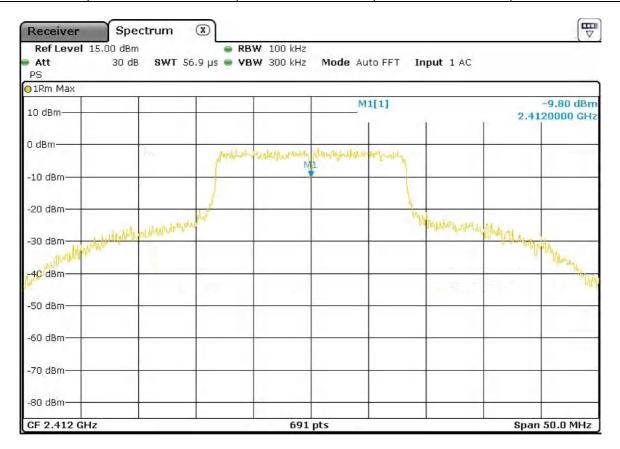
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 18M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-9.80	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 24M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-11.17	8	PASS









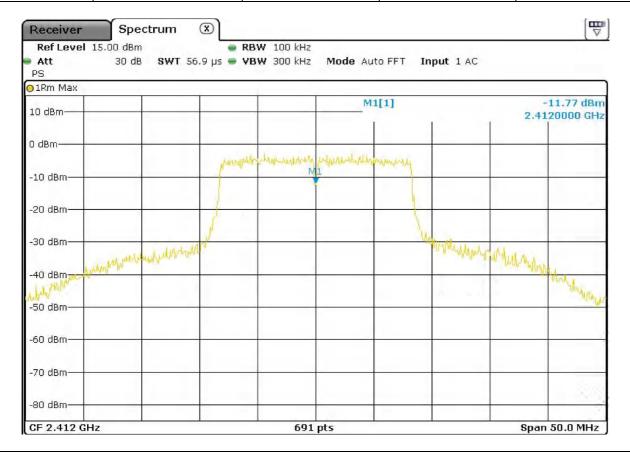
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 36M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-11.77	8	PASS









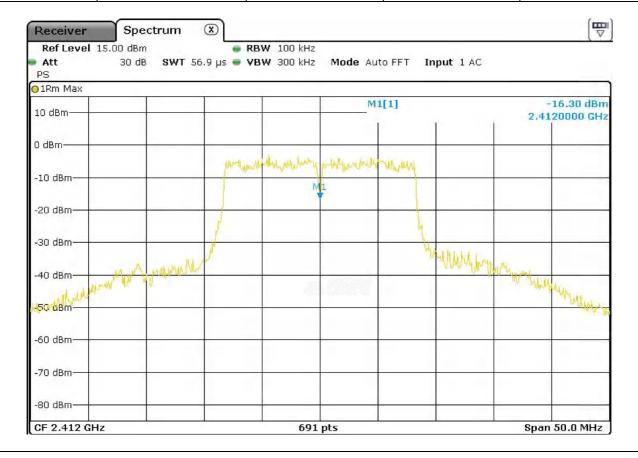
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 48M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-16.30	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Data rate: 11g, 54M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-14.08	8	PASS







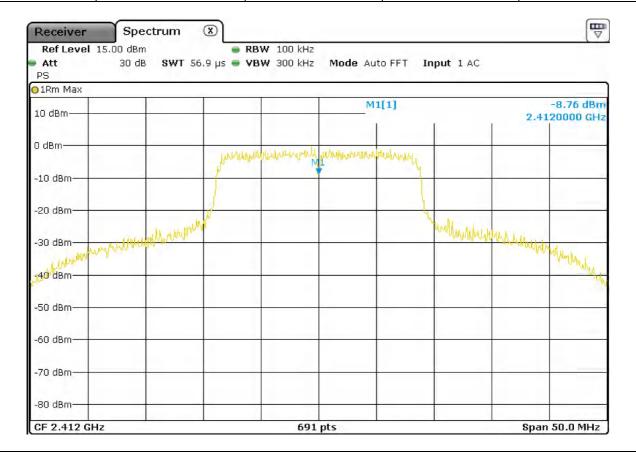


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-8.76	8	PASS







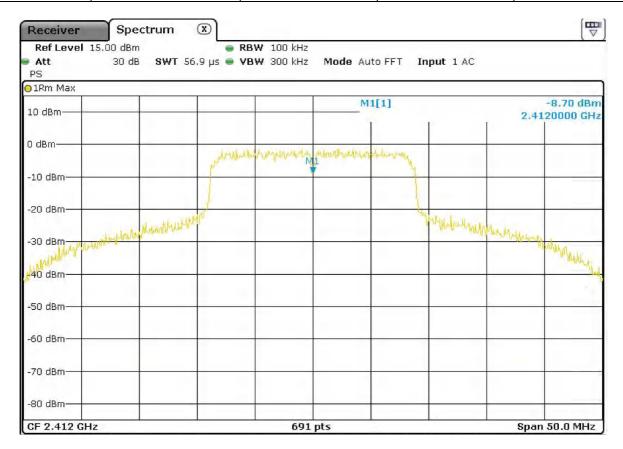


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-8.70	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-8.94	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-12.70	8	PASS







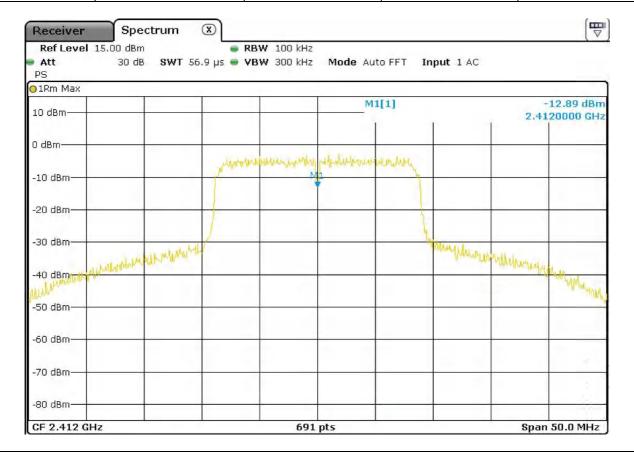


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-12.89	8	PASS







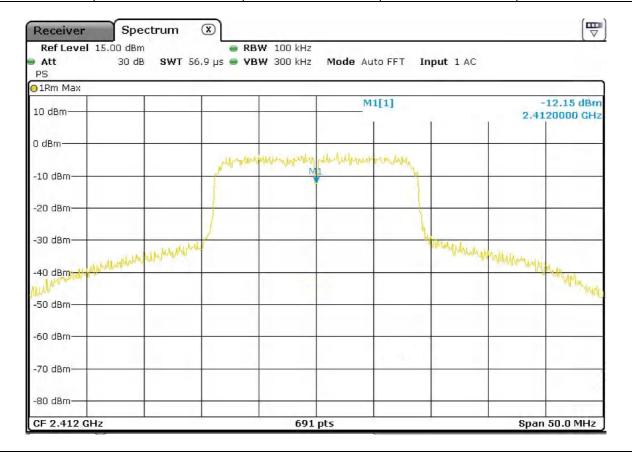


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-12.15	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-13.95	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 1 (Channel 1 - Frequency 2412)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
1	2412.00	-13.68	8	PASS







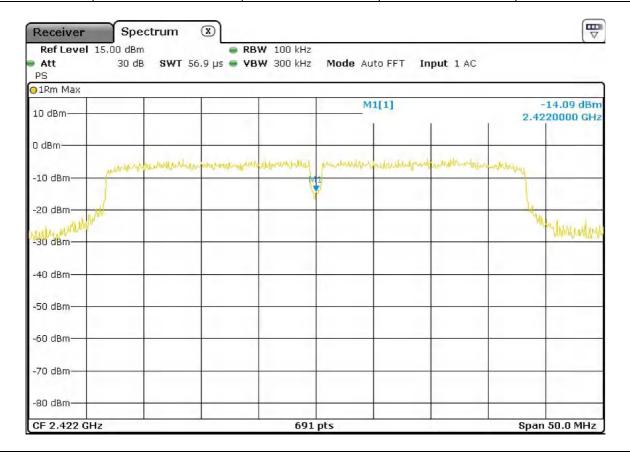


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-14.09	8	PASS







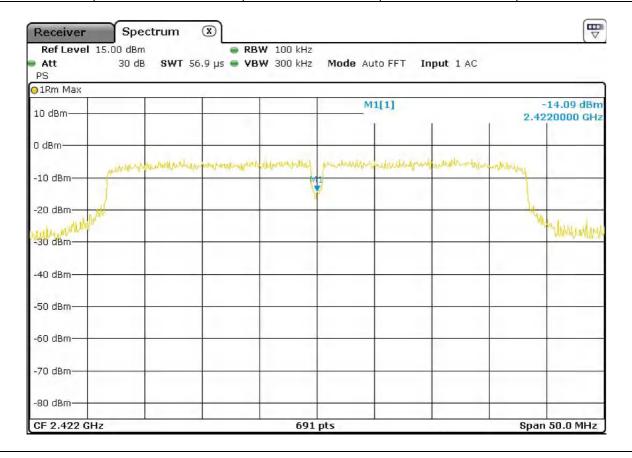


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-14.09	8	PASS







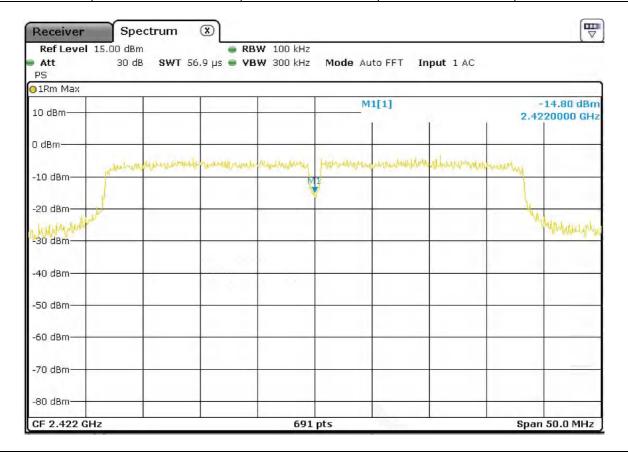


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-14.80	8	PASS







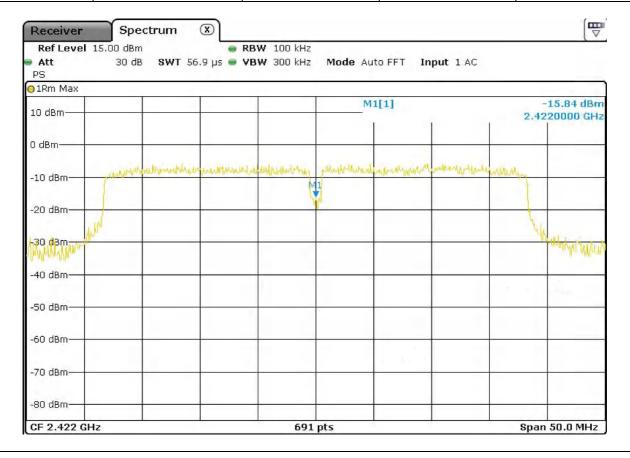


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-15.84	8	PASS







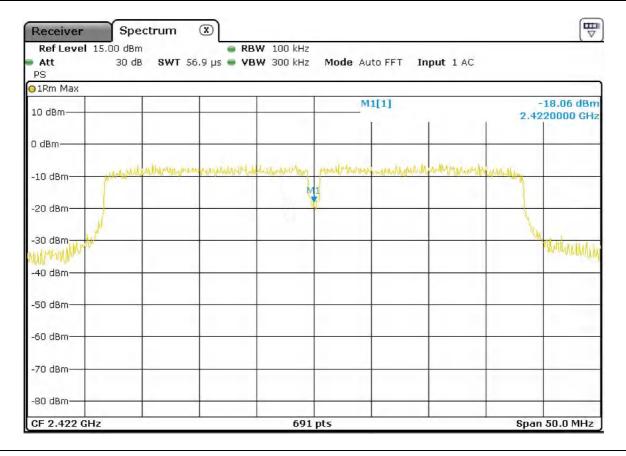


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-18.06	8	PASS







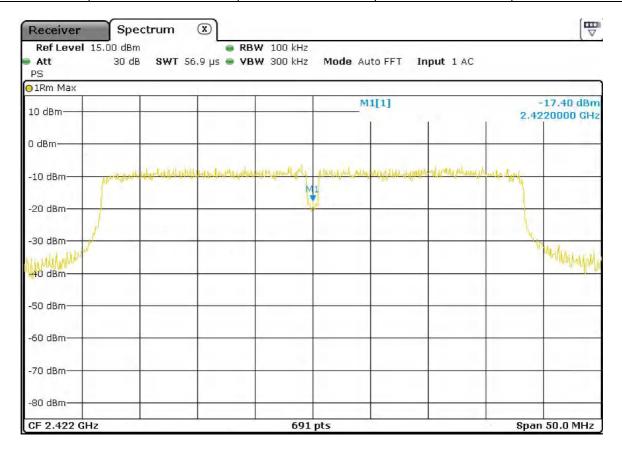


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-17.40	8	PASS







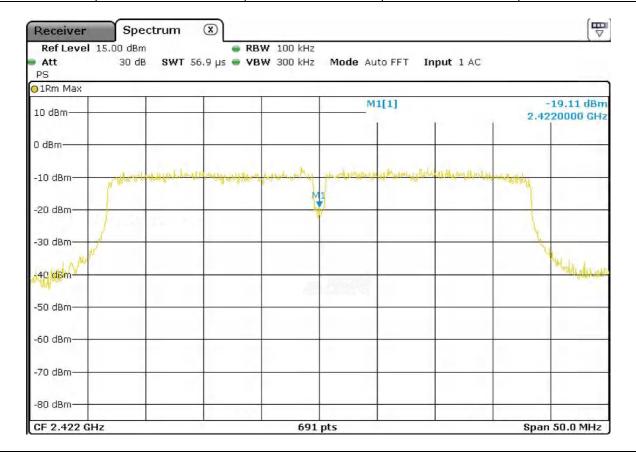


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-19.11	8	PASS







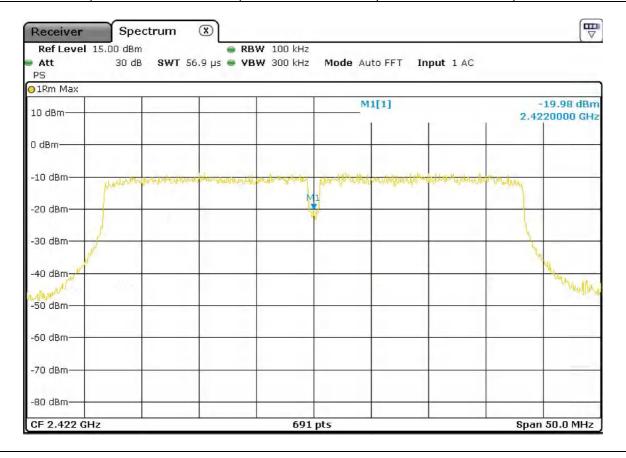


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 2 (Channel 3 - Frequency 2422)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
3	2422.00	-19.98	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11b, 1M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	1.16	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11b, 2M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	0.37	8	PASS









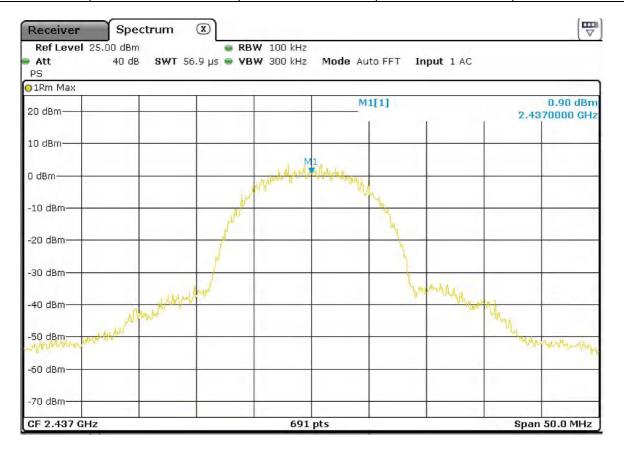
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11b, 5.5M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	0.90	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11b, 11M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	2.03	8	PASS









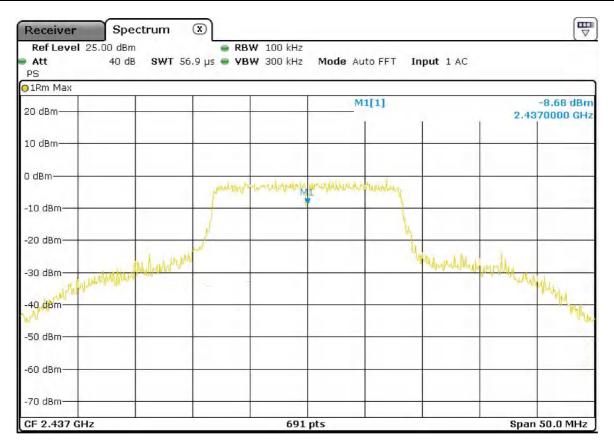
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 6M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-8.68	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 9M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-8.62	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 12M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-9.87	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 18M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-9.67	8	PASS









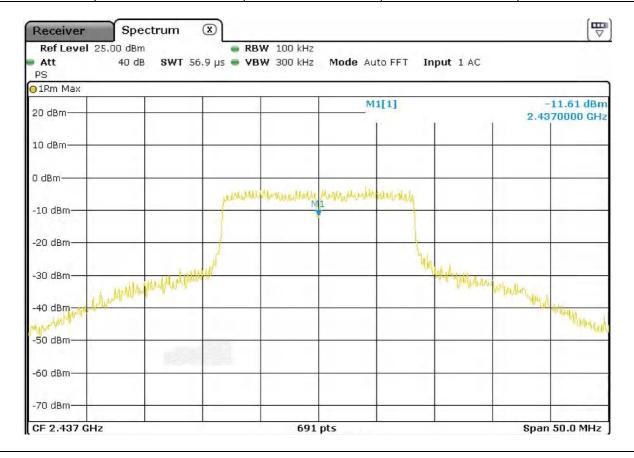
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 24M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-11.61	8	PASS









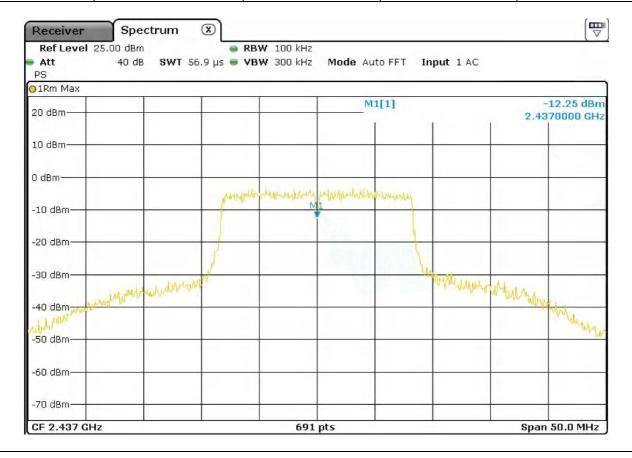
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 36M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-12.25	8	PASS









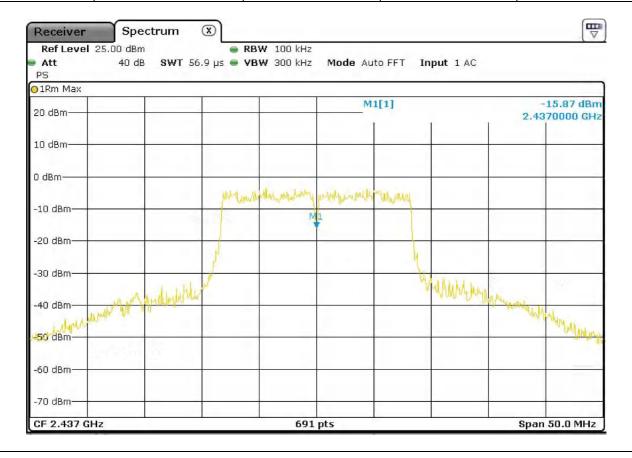
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 48M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-15.87	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Data rate: 11g, 54M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-14.75	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-9.13	8	PASS







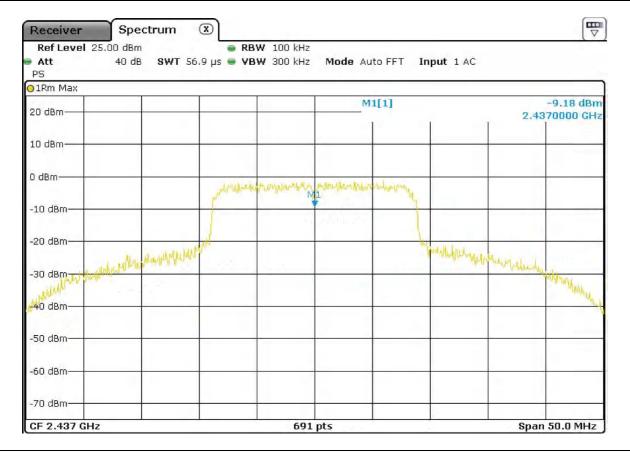


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-9.18	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-8.64	8	PASS







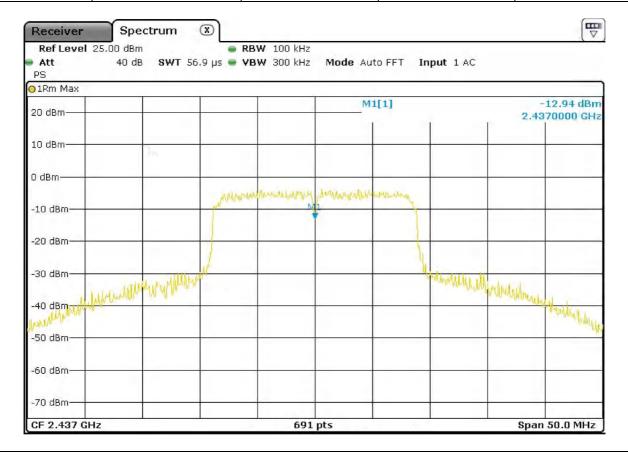


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-12.94	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-13.66	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-12.98	8	PASS







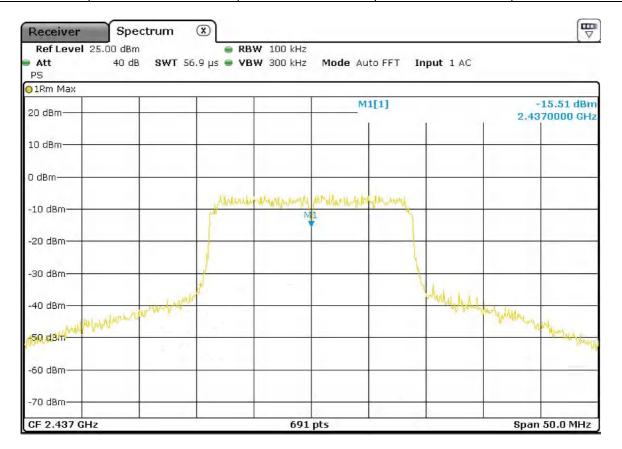


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-15.51	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-14.67	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-13.66	8	PASS







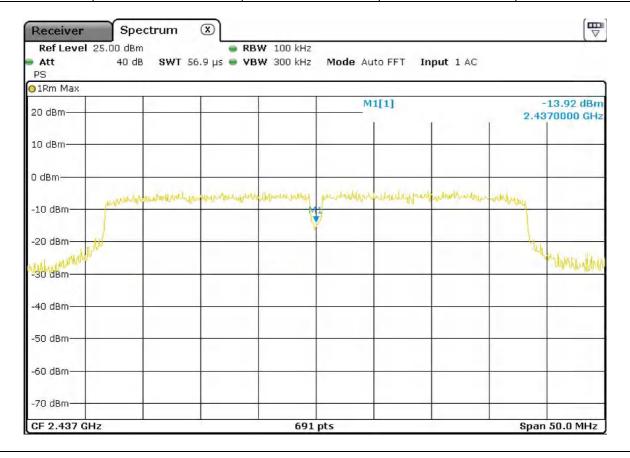


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-13.92	33.92	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-15.00	8	PASS







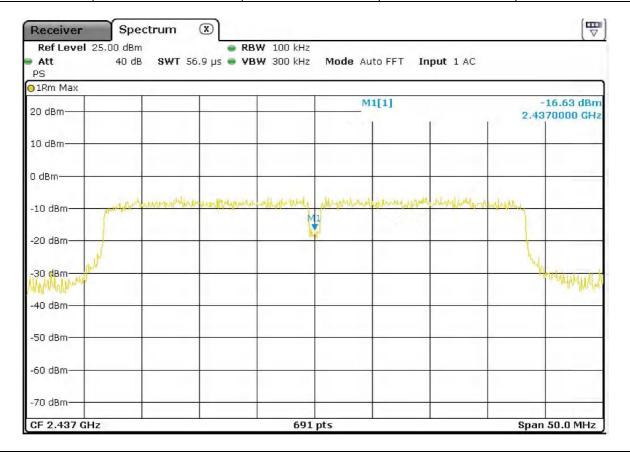


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-16.63	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-18.54	8	PASS







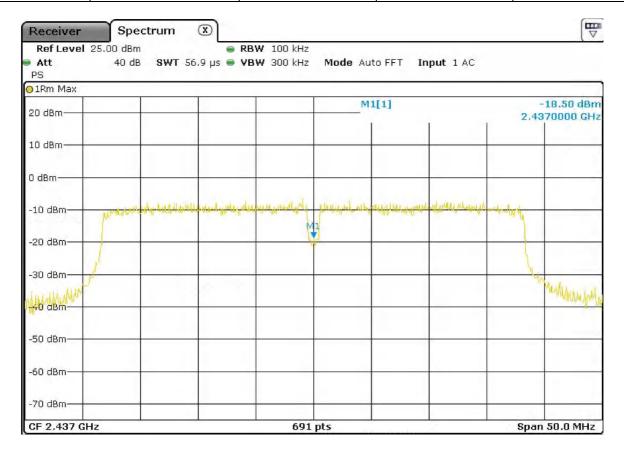


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-18.50	8	PASS







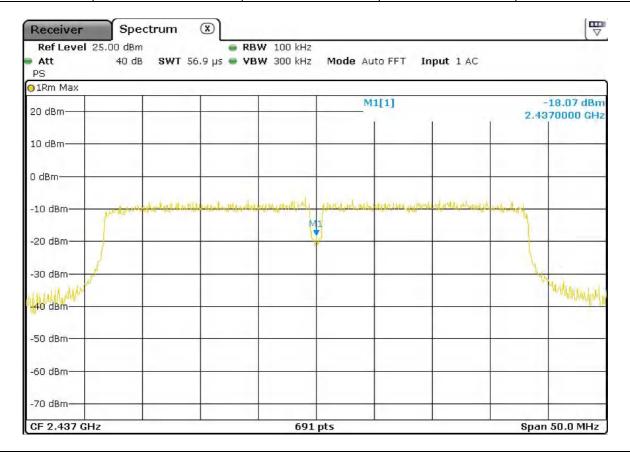


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-18.07	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 3 (Channel 6 - Frequency 2437)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
6	2437.00	-19.99	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 – Frequency 2462)

Data rate: 11b, 1M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	1.59	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 – Frequency 2462)

Data rate: 11b, 2M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	0.66	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11b, 5.5M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	1.32	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11b, 11M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	2.29	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 6M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-8.24	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 9M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-7.44	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 12M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-9.36	8	PASS









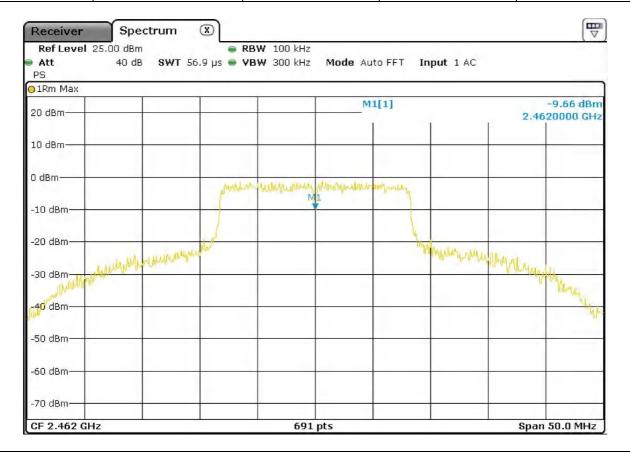
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 18M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-9.66	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 24M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-11.13	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 36M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-11.63	8	PASS









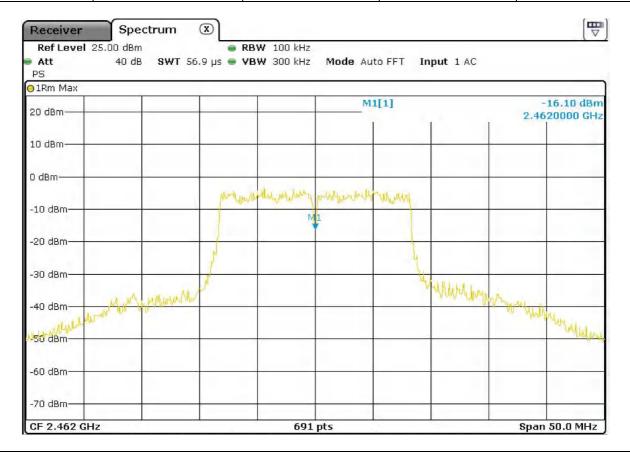
Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 48M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-16.10	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Data rate: 11g, 54M

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-14.29	8	PASS







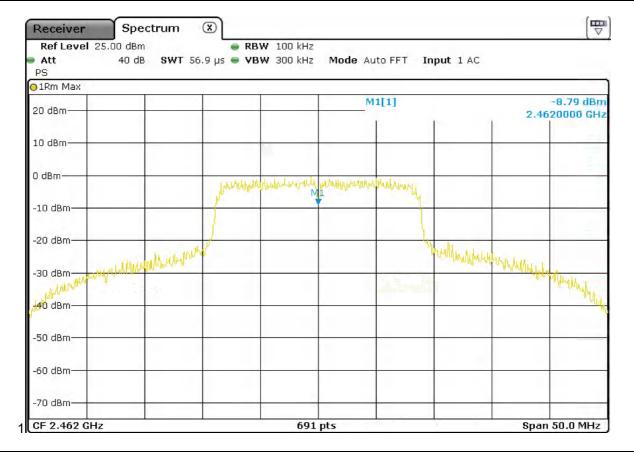


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-8.79	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-8.02	8	PASS







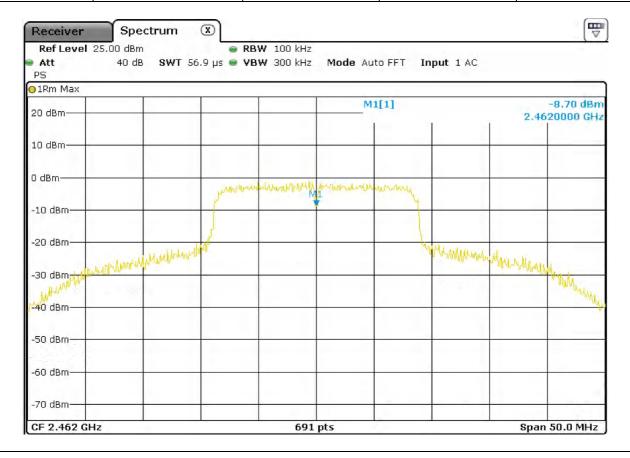


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-8.70	8	PASS







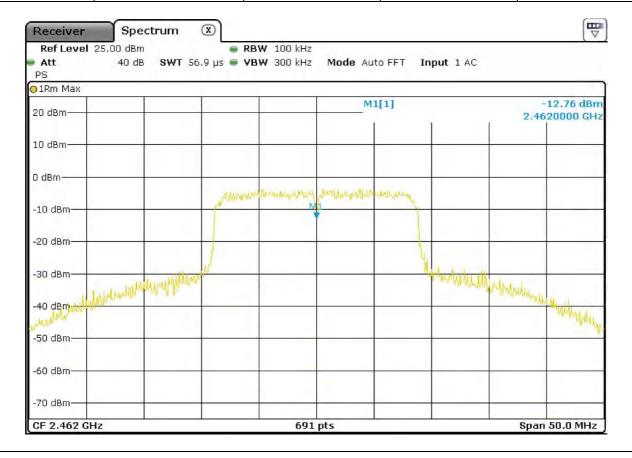


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-12.76	8	PASS







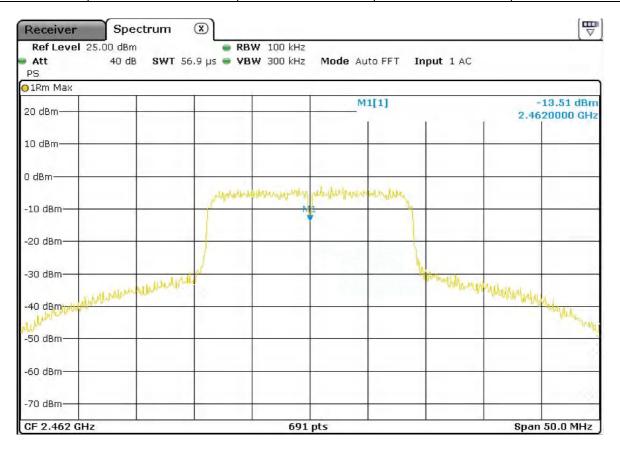


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-13.51	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-12.64	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 - Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-14.33	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 4 (Channel 11 – Frequency 2462)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
11	2462.00	-13.55	8	PASS







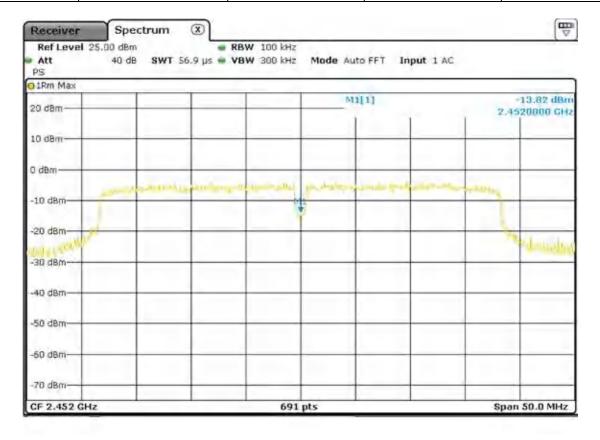


Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-13.82	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-13.80	33.92	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-13.80	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-16.01	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-17.32	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-17.32	8	PASS









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 – Frequency 2452)

Channel	Frequency (MHz) Conducted Power Spectral Density Measured (dBm)		Limit (dBm)	Result	
9	2452.00	-19.67	8	PASS	









Issue Date: 16/09/2022

Graphical presentation of spectral density measurement

Operation mode: 5 (Channel 9 - Frequency 2452)

Channel	Frequency (MHz)	Conducted Power Spectral Density Measured (dBm)	Limit (dBm)	Result
9	2452.00	-20.76	8	PASS









Issue Date: 16/09/2022

Additional provisions to the general radiated emission limitations				
Test date	04/04/2022			
Applied Standard	Title 47 Part 15 Subpart C §15.215			
Test method				
Temperature	23,1°			
Humidity	54%			
Tested by	Francesco Lombardi			
Model	MP350			
Internal Storage No.	1 (Storage no. A003216149-003)			
Operating mode				
Tested terminals	Antenna connector			
Result	PASS			







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A) The regulations in §§ 15.217-15.257 provide alternatives to the general radiated emission limits for intentional radiators operating in specified frequency bands. Unless otherwise stated, there are no restrictions as to the types of operation permitted under these sections.	
(B) In most cases, unwanted emissions outside of the frequency bands shown in these	VERDICT
alternative provisions must be attenuated to the emission limits shown in Section 15.209. In no case shall the level of the unwanted emissions from an intentional radiator operating under these additional provisions exceed the field strength of the fundamental emission.	PASS
	VERDICT
(C) 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. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.	PASS







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15. List of test equipment

Equipment	Туре	Inventory no.	Manufacturer	Last calibration date	Calibration due date			
Test stand: Radiated emissions (9KHz – 26GHz)								
Semi-anechoic Chamber	FACT3	2782378	ETS Lindgren	05/2020	05/2022			
Loop Antenna	EMCO	6512	2782356	07/2020	07/2023			
BiConiLog Antenna	3142-E	2782348	ETS Lindgren	05/2020	05/2023			
Preamplified Horn Antenna	3117-PA	2782349	ETS Lindgren	08/2020	08/2023			
Preamplified Horn Antenna	3160-09	2782350	ETS Lindgren	09/2020	09/2023			
Highpass Filter	WHKX10-2520- 2800-180	2782704	Wainwrigth Instruments	12/2021	12/2022			
EMI Receiver	ESW44	2782867	Rohde&Schwarz	06/2021	06/2022			
Software EMC32	10.60.15		Rohde&Schwarz					
Test stand: Maximum Conduct	Test stand: Maximum Conducted Peak Output Power							
EMI Receiver	ESU40	2782345	Rohde&Schwarz	11/2021	11/2022			
Fast Power Sensor	NRP-Z81	2782701	Rohde&Schwarz	07/2021	07/2022			
Test stand: 6db Bandwidth								
EMI Receiver	ESR3	2782768	Rohde&Schwarz	03/2022	03/2023			
Test stand: Out-of-band emissi	ons							
EMI Receiver	ESU40	2782345	Rohde&Schwarz	11/2021	11/2022			
EMI Receiver	ESR3	2782768	Rohde&Schwarz	03/2022	03/2023			
Test stand: Band Edge								
EMI Receiver	ESU40	2782345	Rohde&Schwarz	11/2021	11/2022			
Test stand: Power spectral density								
EMI Receiver	ESU40	2782345	Rohde&Schwarz	11/2021	11/2022			







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--- END OF TEST REPORT ---