

Annex 1: Measurement diagrams 23-1-0043901T001a-C02-A1

Number of pages:	162	Date of Report:	2024-Mar-06
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	Applicant:	Continental Engineering Services GmbH
Product: Model:	Telematic Device STP-MID		
FCC ID:	2BDLN-STPMIDNA	IC:	N/A
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A, Part 15 Subpart C Intentional Radiators § 15.247 Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz		

Measurement diagrams

Power spectral density

Power Spectral Density (2412 MHz; b-mode [1Mbps] (20 dBm); 20 MHz)

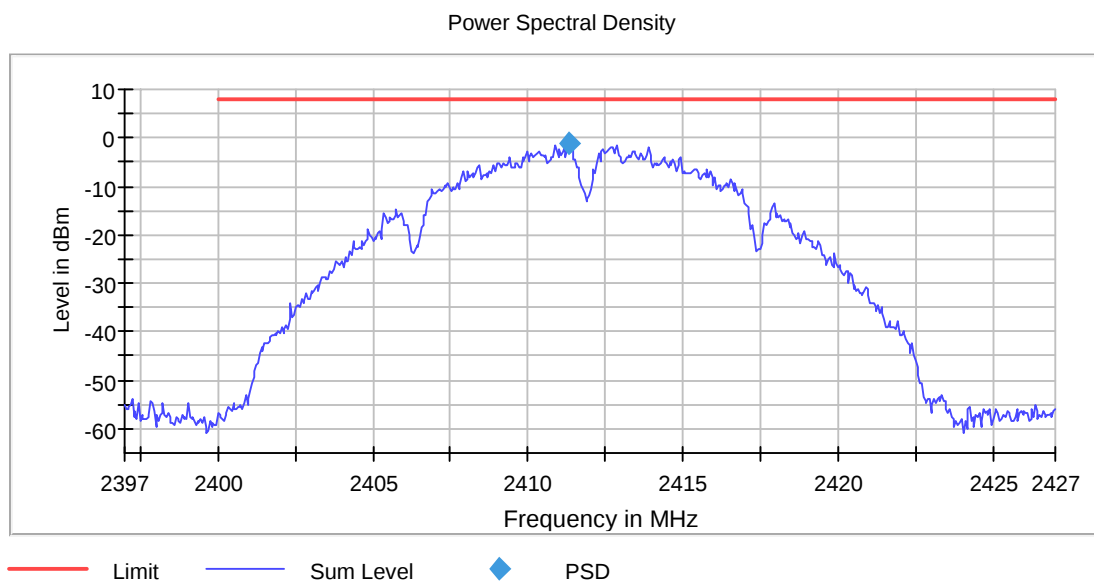
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

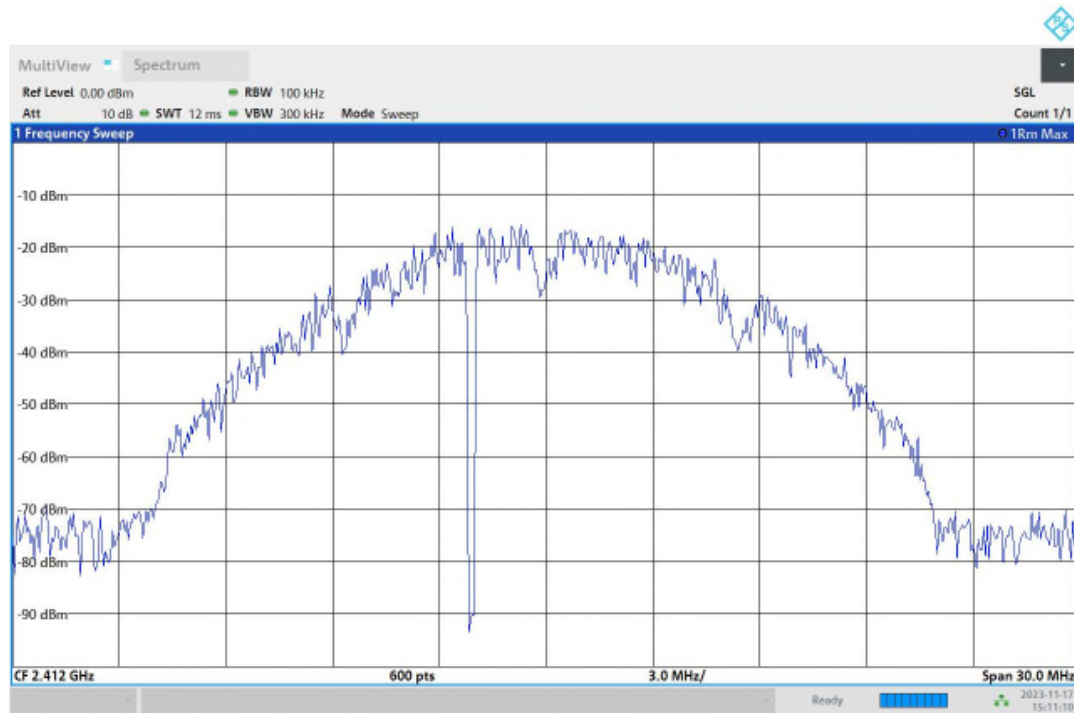
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2411.323873	-1.315	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	84 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.47 dB	0.50 dB

Power Spectral Density (2437 MHz; b-mode [1MBps] (20 dBm); 20 MHz)

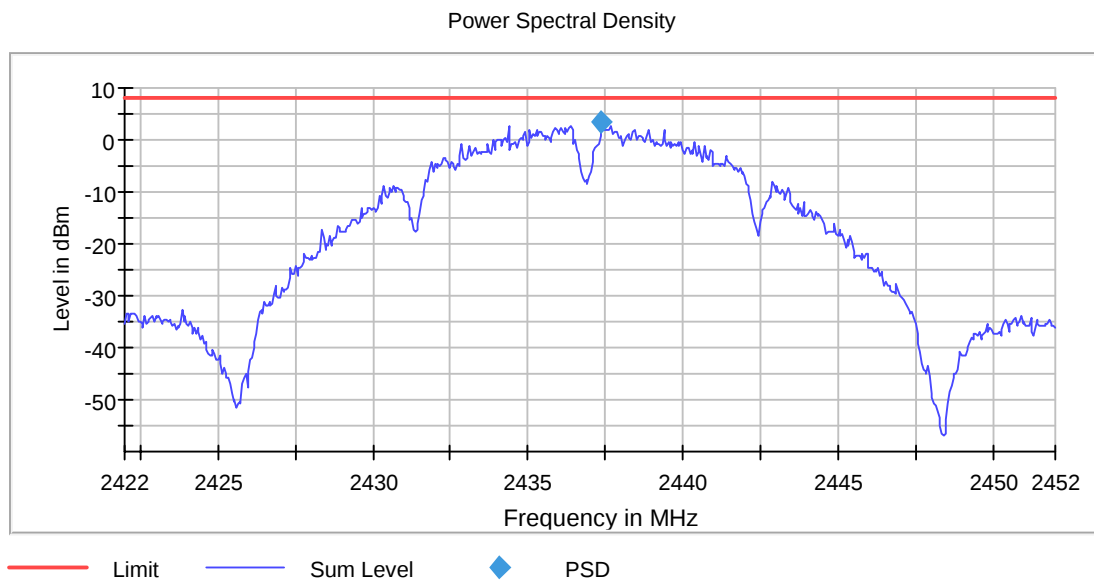
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

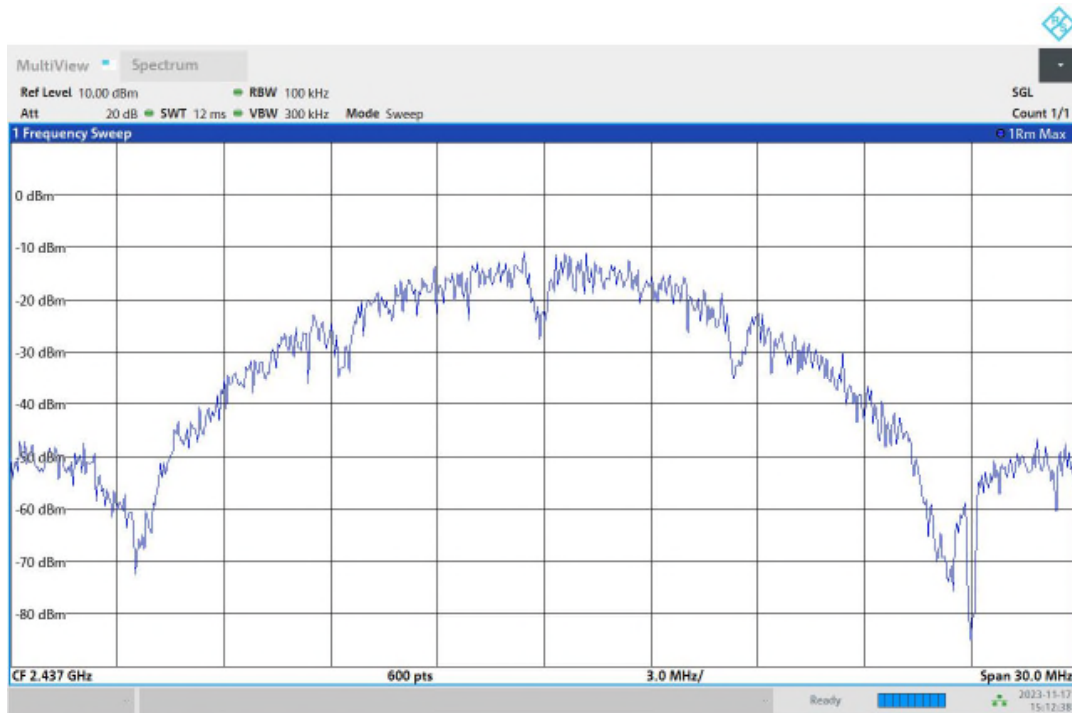
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2437.375626	3.294	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:12:39 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.45200 GHz	2.45200 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	56 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.29 dB	0.50 dB

Power Spectral Density (2462 MHz; b-mode [1MBps] (20 dBm); 20 MHz)

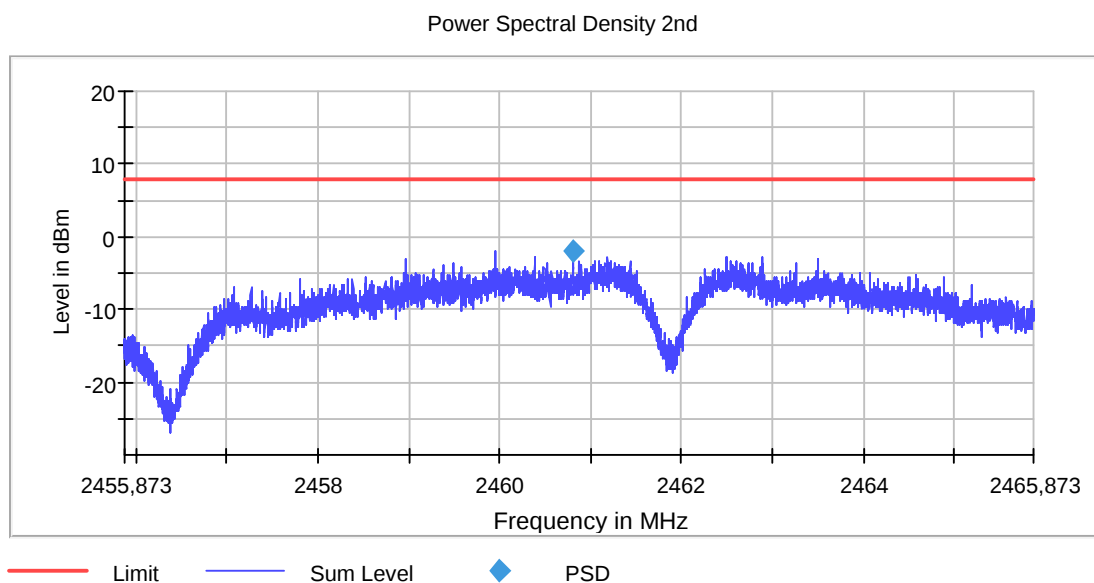
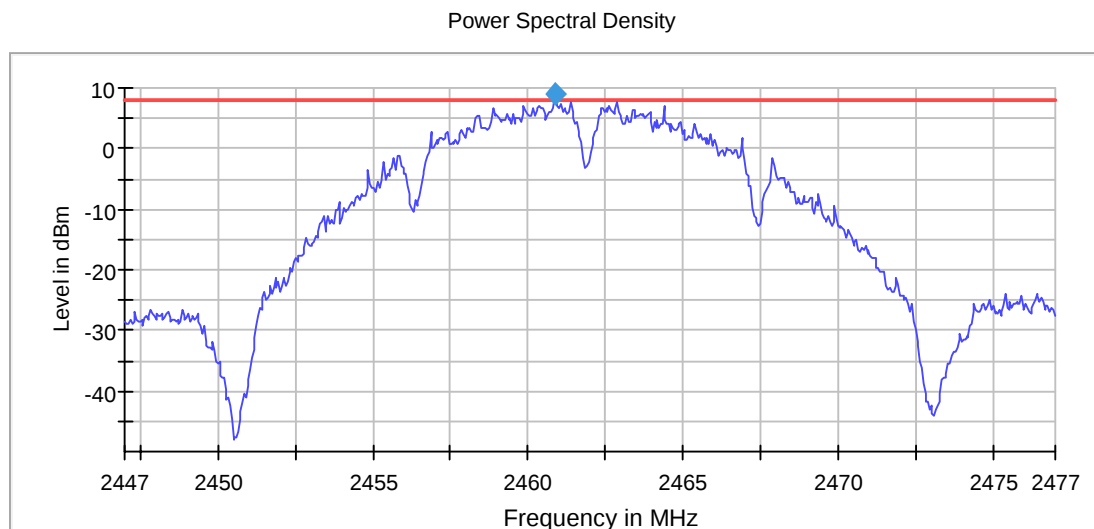
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

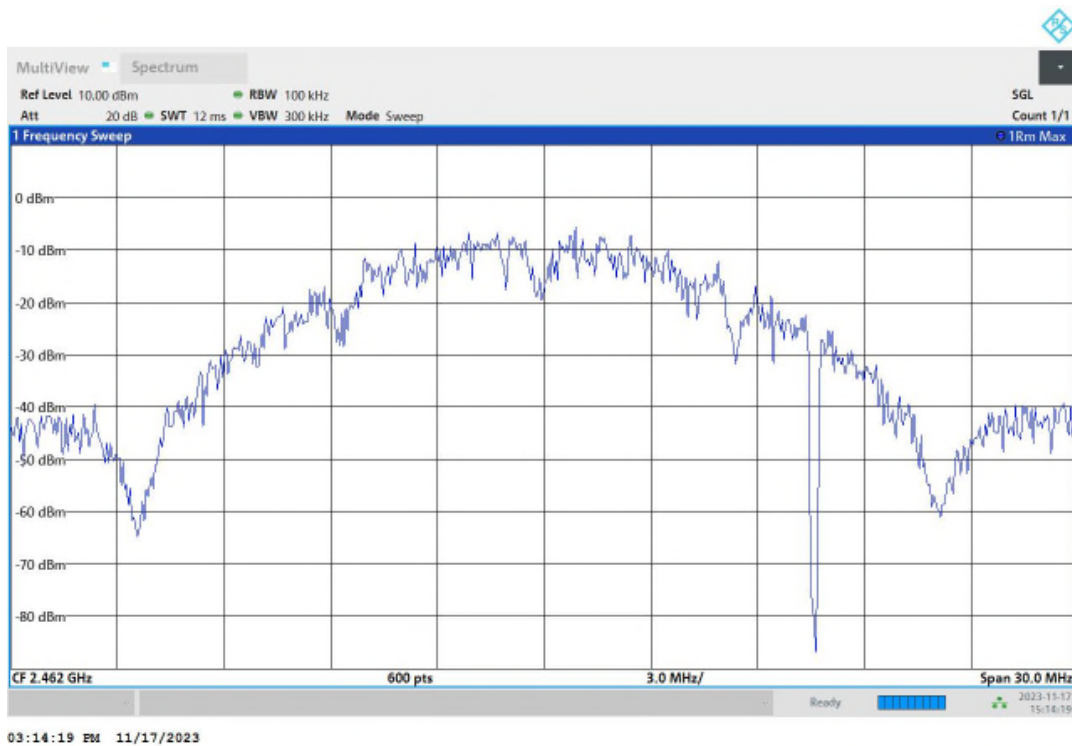
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2460.807115	-1.864	8.0	PASS

Ports

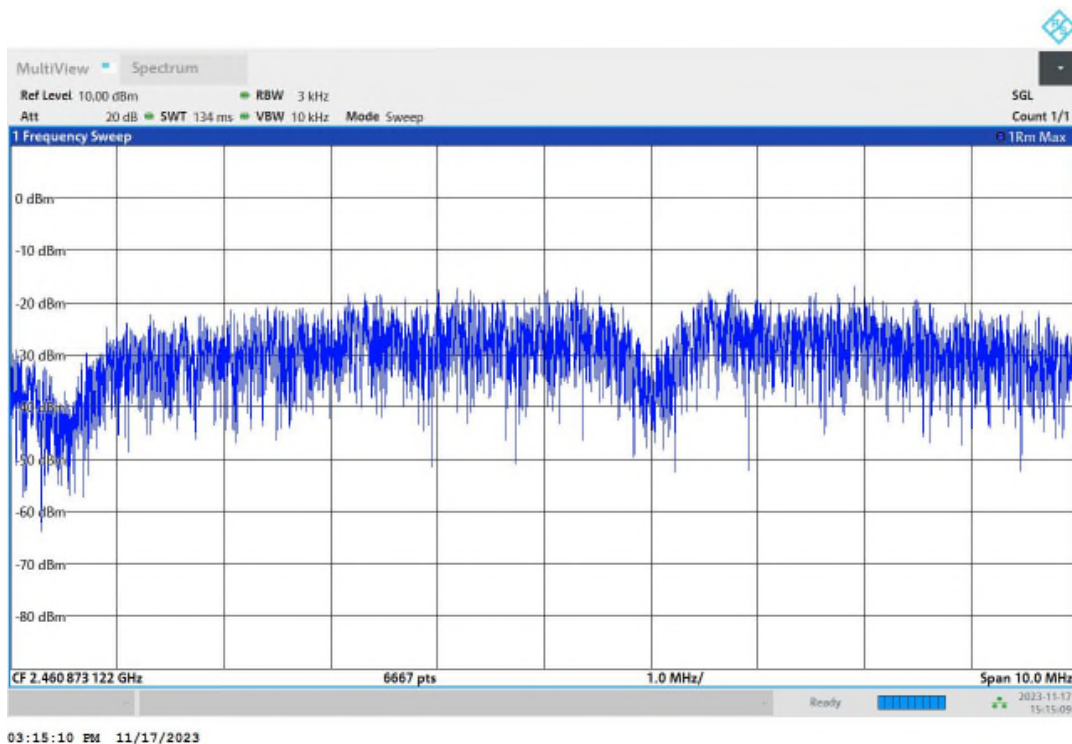
Port	State
1	used



PSD Connector 1



PSD Connector 1 2nd



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44700 GHz	2.44700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	84 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Power Spectral Density (2412 MHz; g-mode [6Mbps] (20 dBm); 20 MHz)

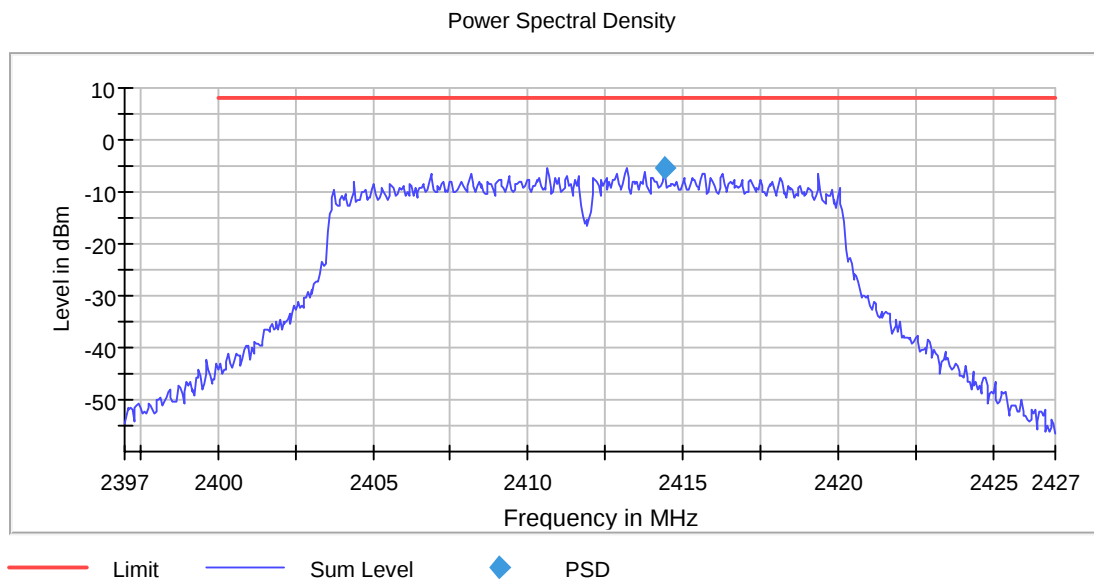
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

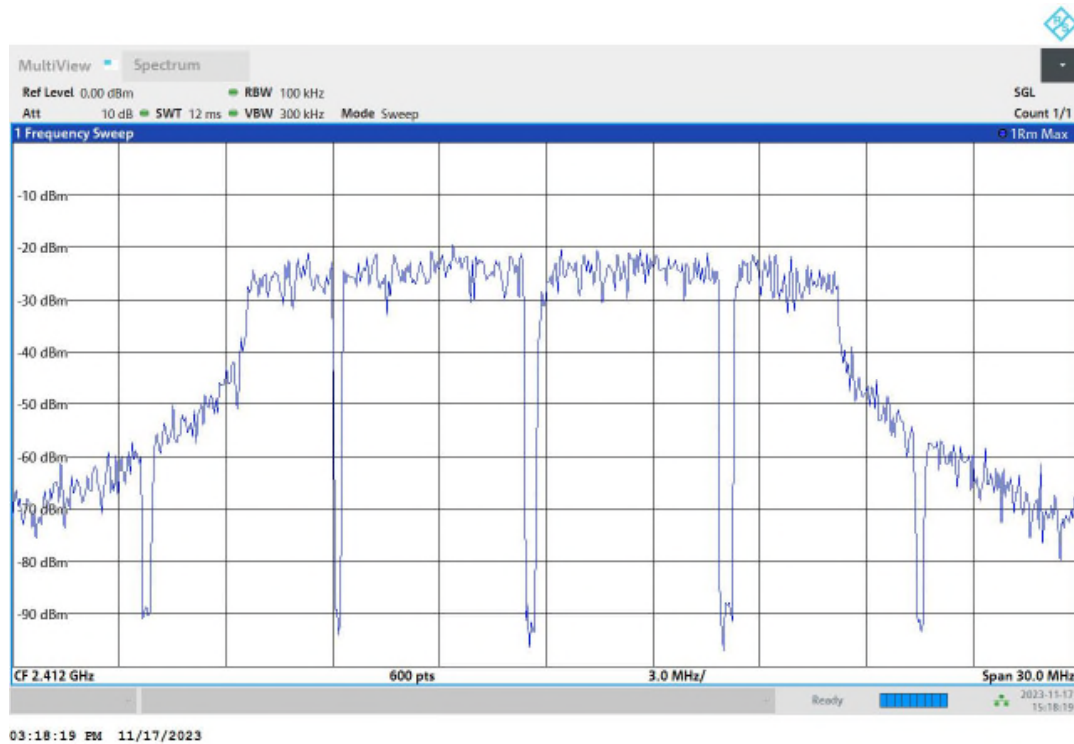
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2414.378965	-5.386	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	114 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.04 dB	0.50 dB

Power Spectral Density (2437 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

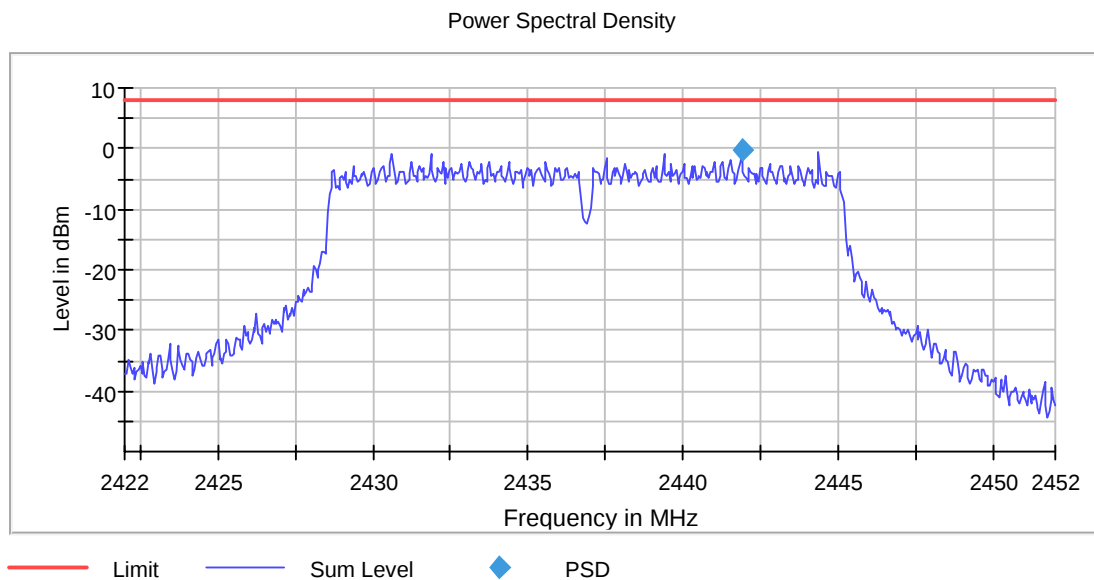
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

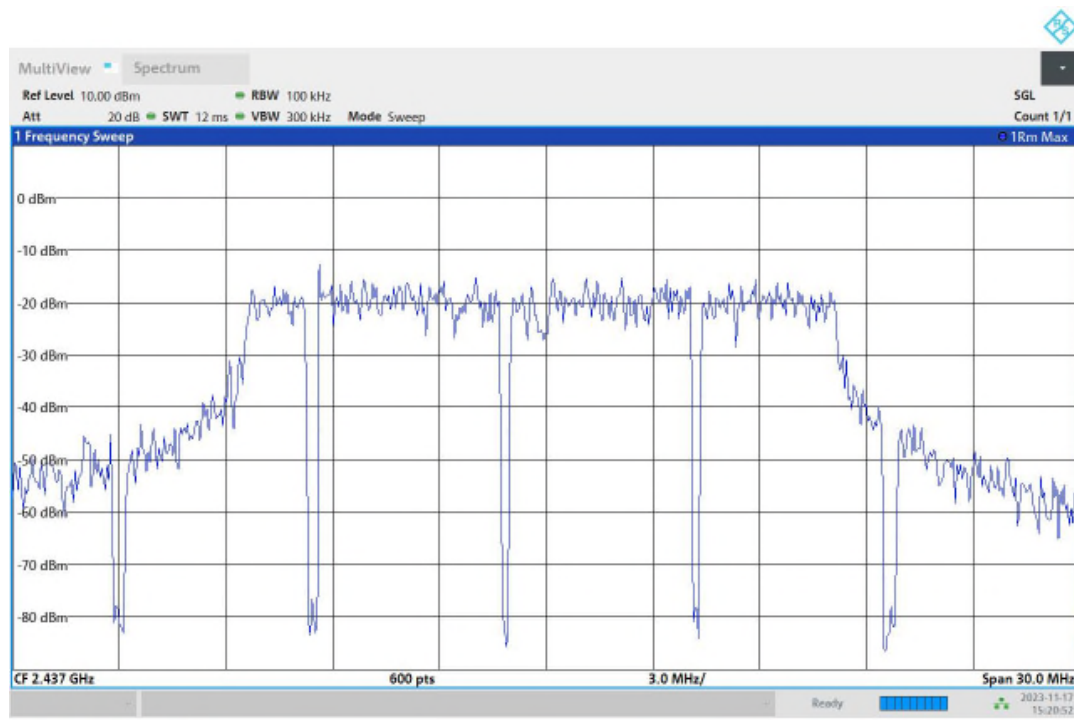
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2441.883139	-0.211	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:20:53 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.45200 GHz	2.45200 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	80 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.16 dB	0.50 dB

Power Spectral Density (2462 MHz; g-mode [6Mbps] (20 dBm); 20 MHz)

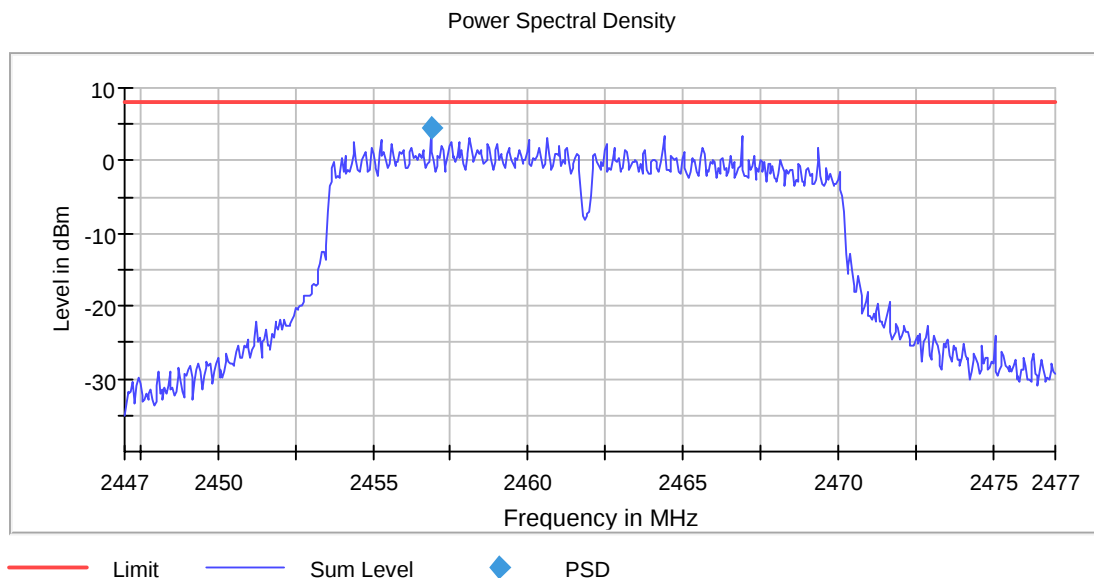
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

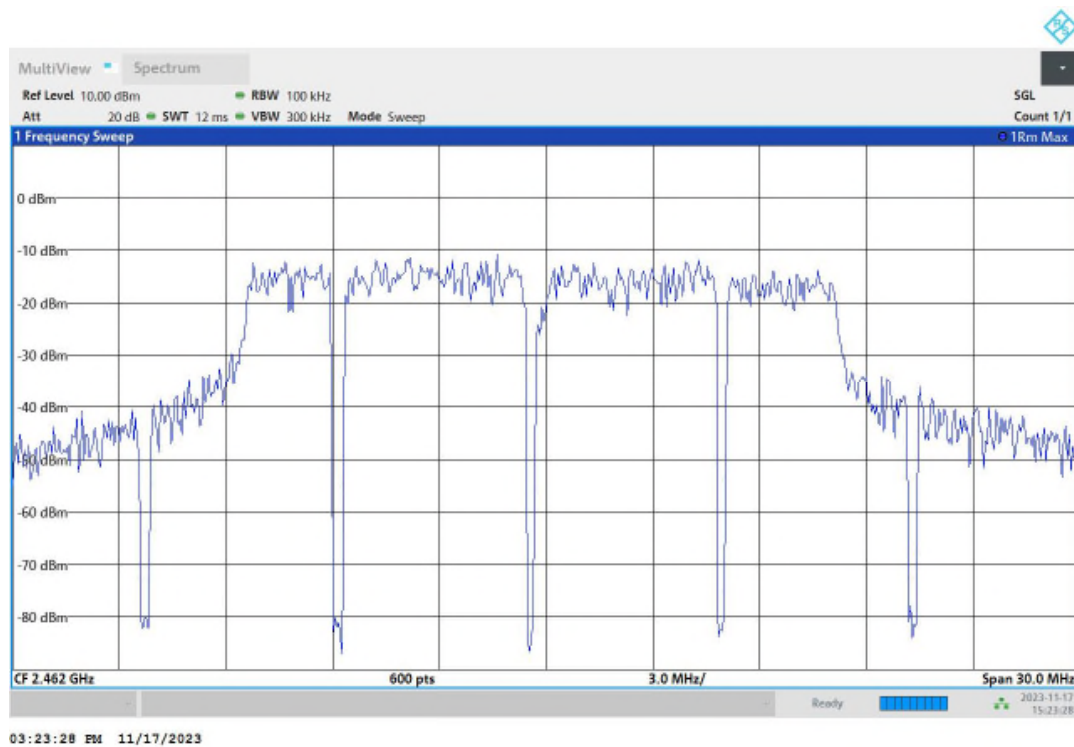
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2456.866444	4.471	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44700 GHz	2.44700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	79 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Power Spectral Density (2412 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

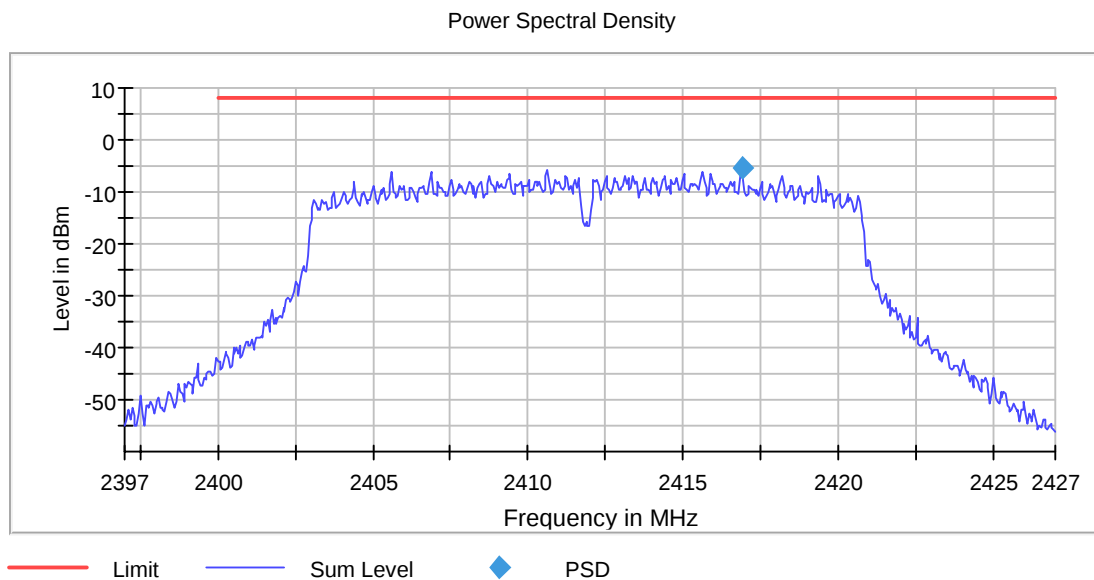
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

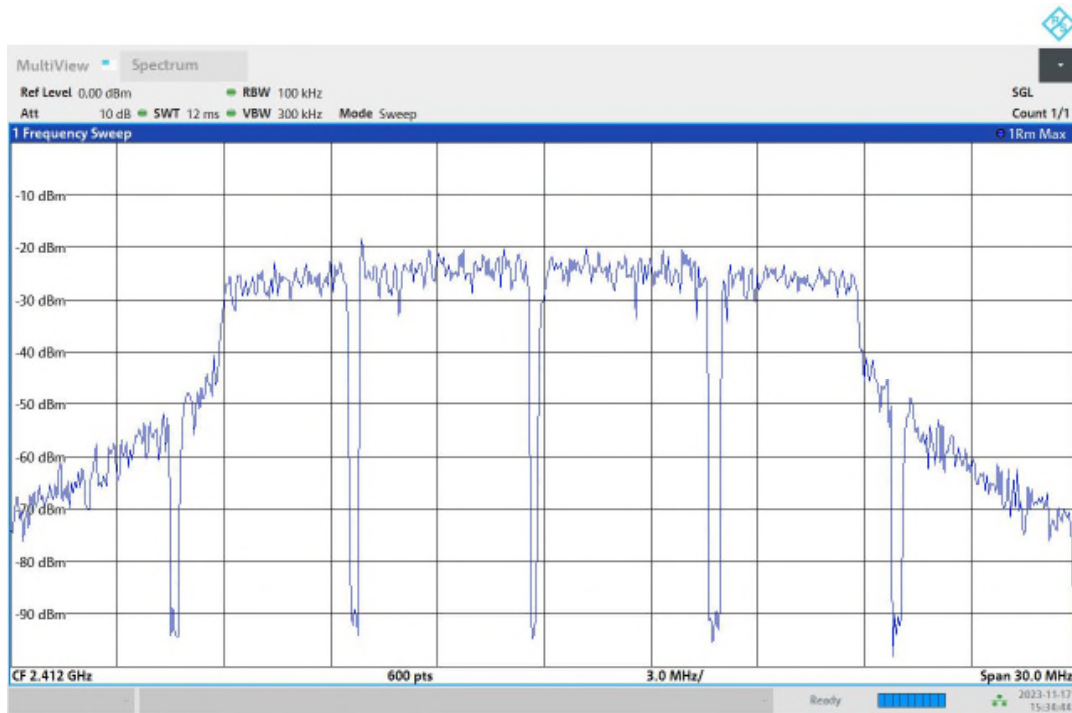
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2412.000000	2416.883139	-5.228	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:34:44 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.42700 GHz	2.42700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	105 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Power Spectral Density (2437 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

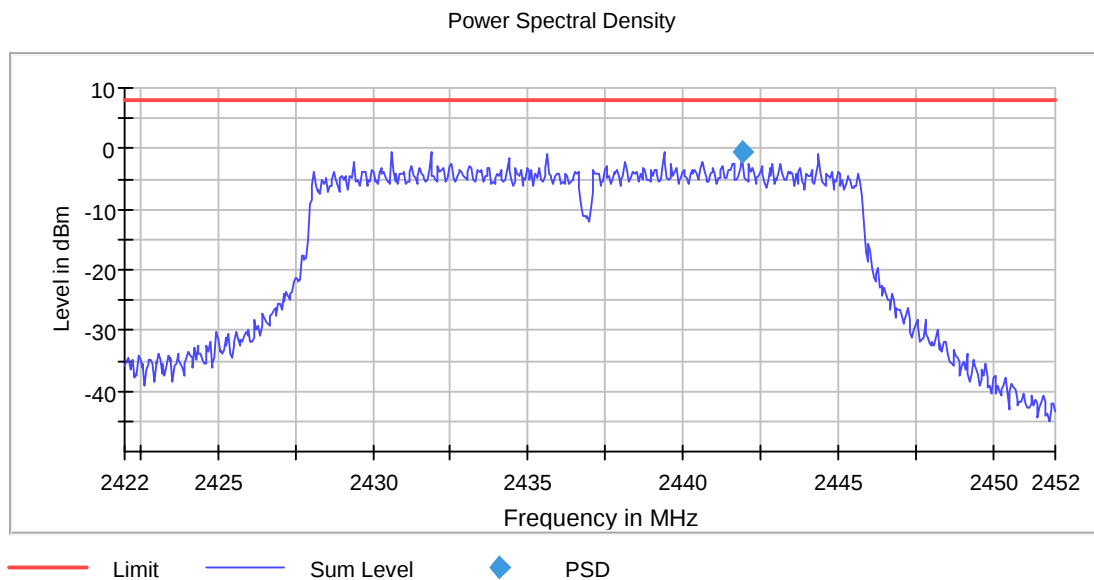
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

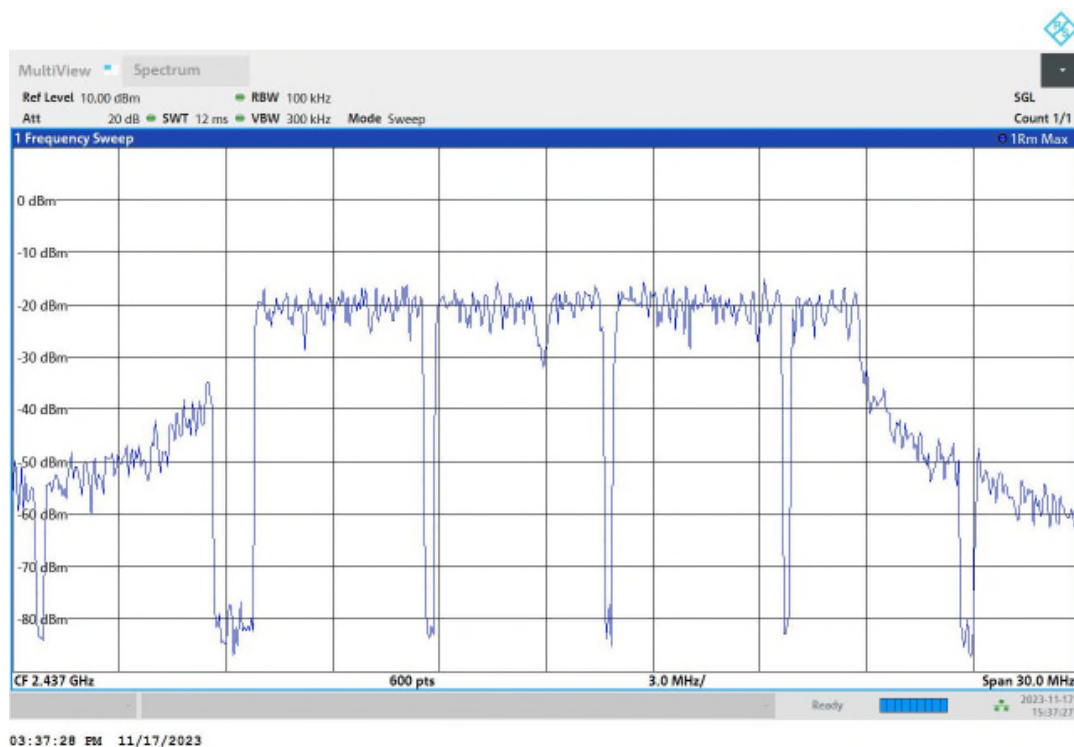
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2441.883139	-0.391	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.45200 GHz	2.45200 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	120 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Power Spectral Density (2462 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

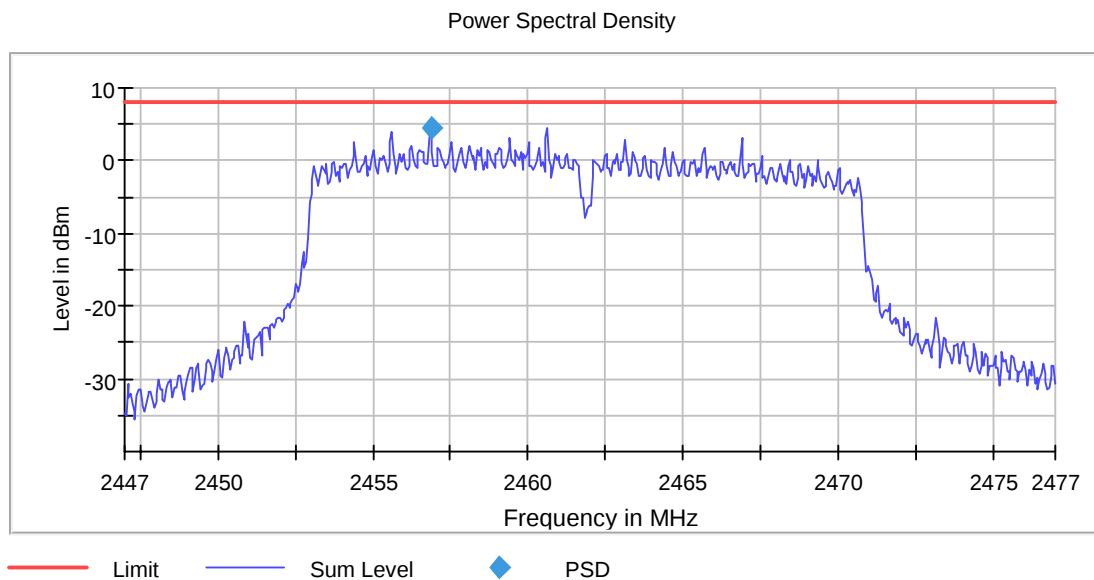
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

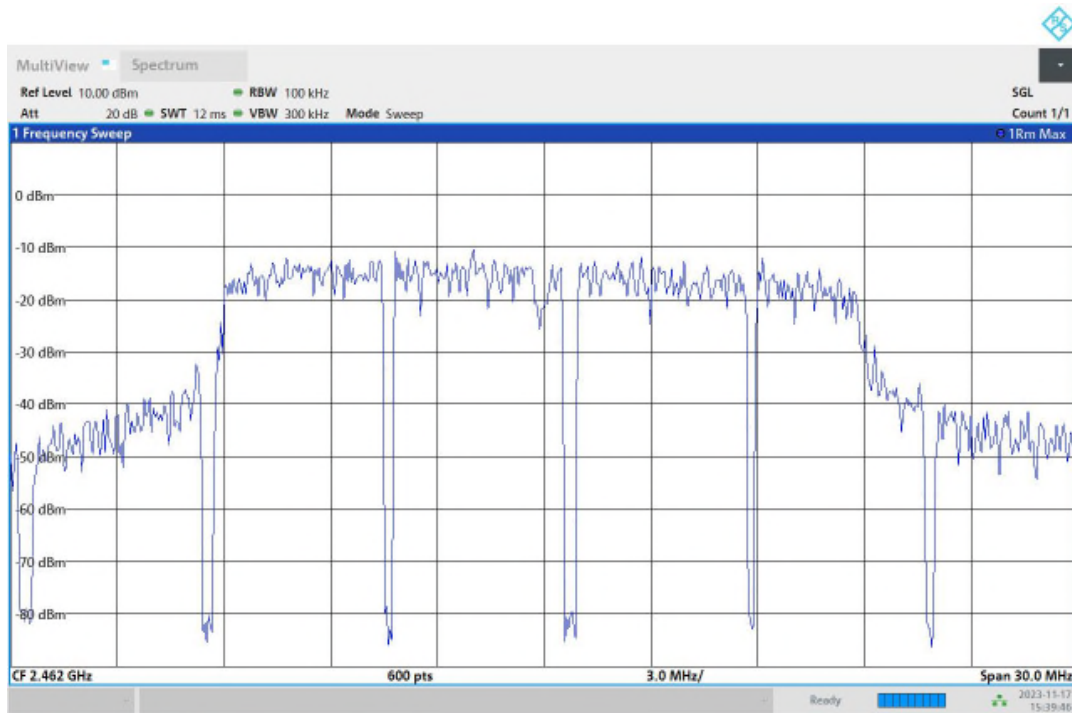
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2462.000000	2456.866444	4.561	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:39:47 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44700 GHz	2.44700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	30.000 MHz	30.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	600	~ 600
SweepTime	12.000 ms	12.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	87 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.41 dB	0.50 dB

Power Spectral Density (2422 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

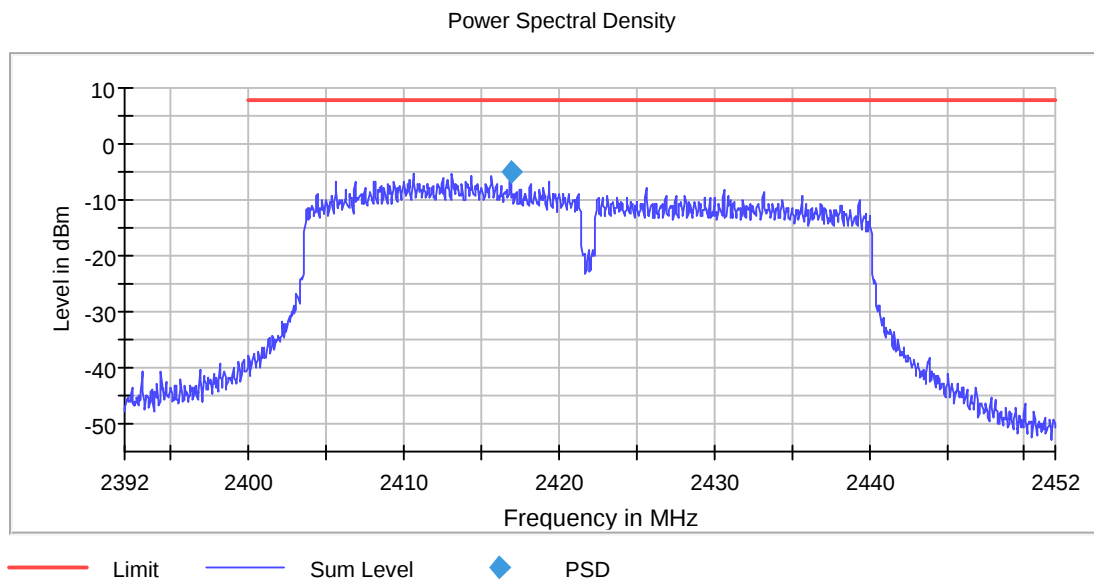
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

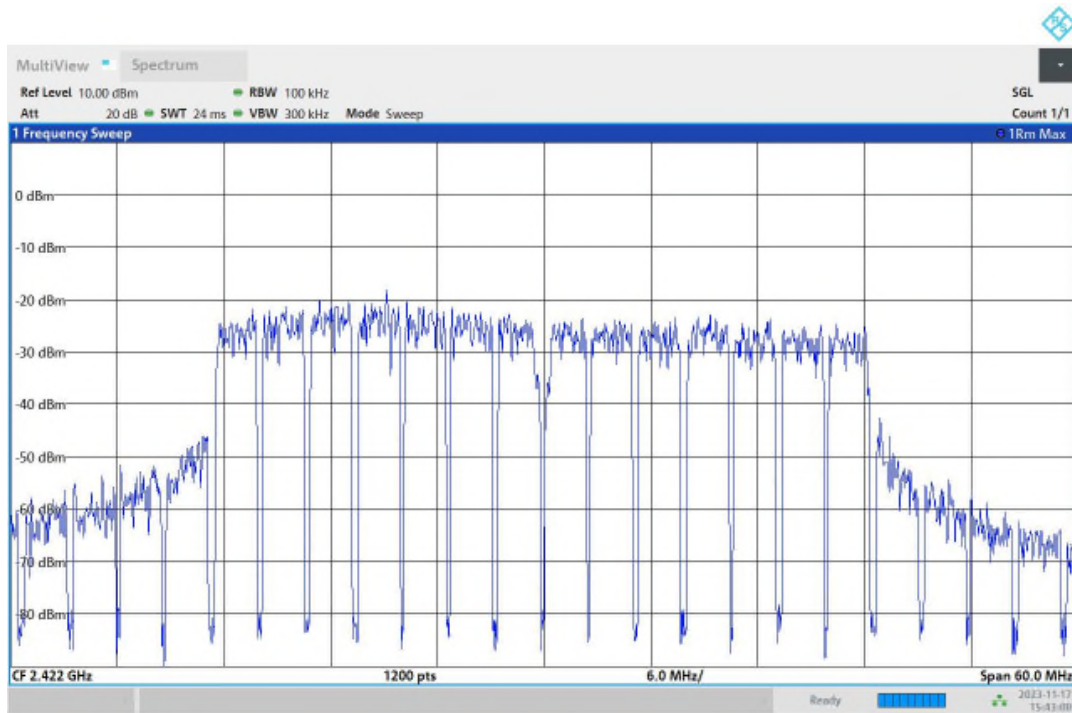
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2422.000000	2416.870726	-5.031	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:43:01 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.45200 GHz	2.45200 GHz
Span	60.000 MHz	60.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1200	~ 1200
SweepTime	24.000 ms	24.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	115 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Power Spectral Density (2437 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

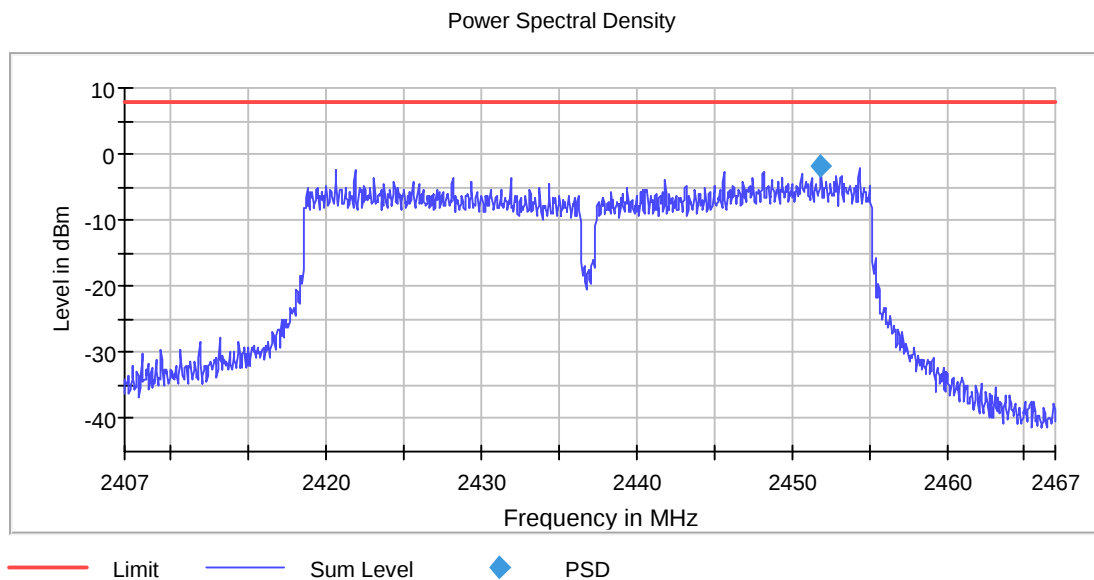
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

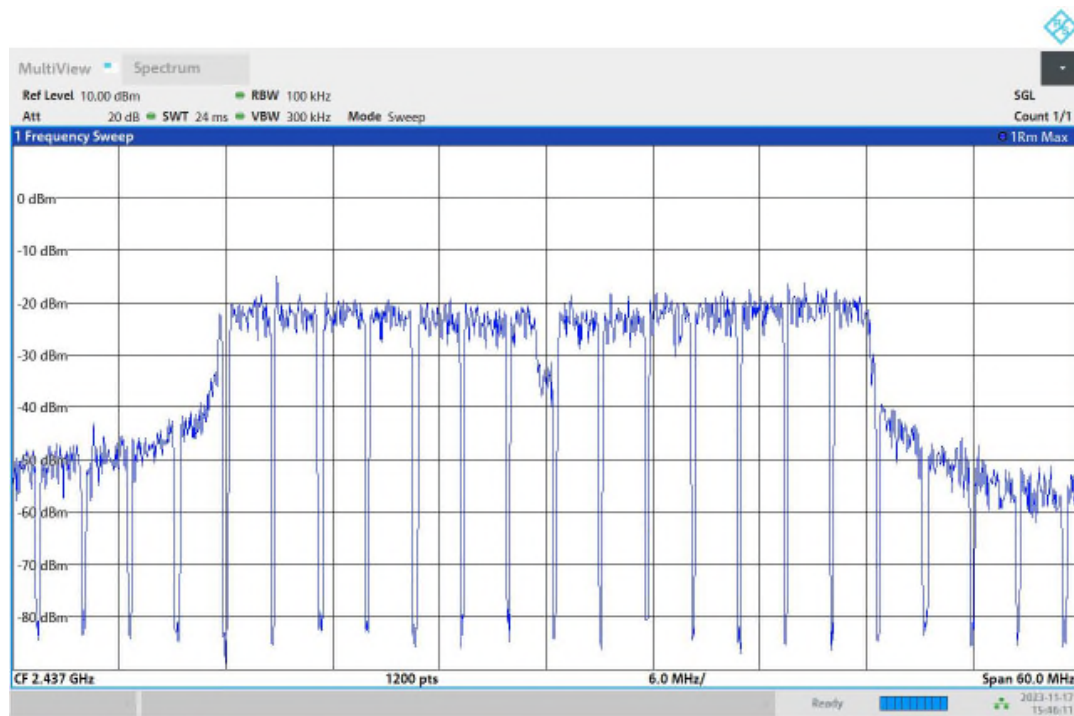
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2437.000000	2451.887406	-1.675	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:46:11 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40700 GHz	2.40700 GHz
Stop Frequency	2.46700 GHz	2.46700 GHz
Span	60.000 MHz	60.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1200	~ 1200
SweepTime	24.000 ms	24.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	96 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.34 dB	0.50 dB

Power Spectral Density (2452 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

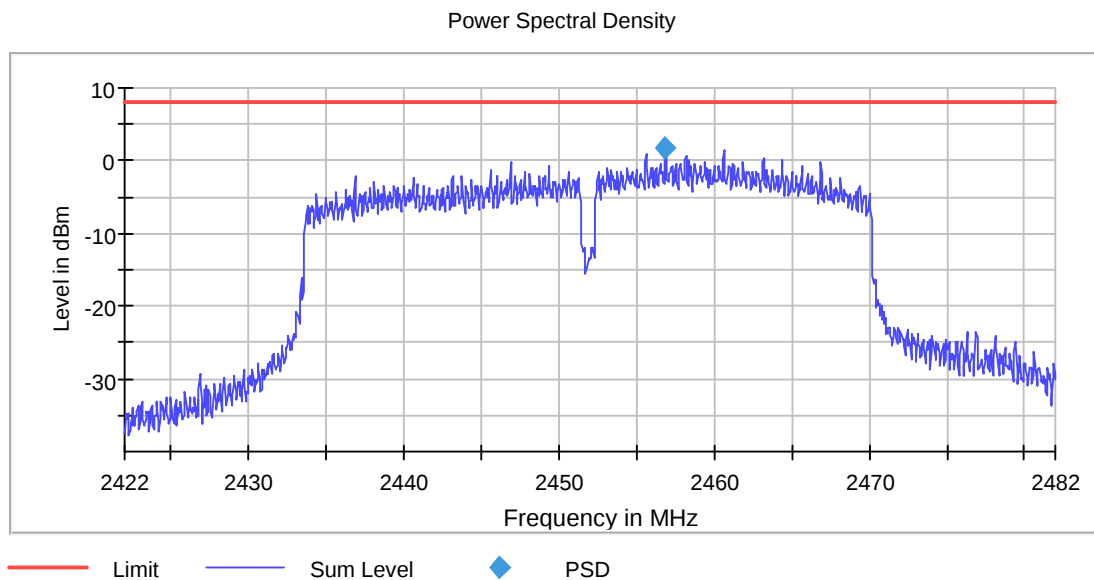
Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

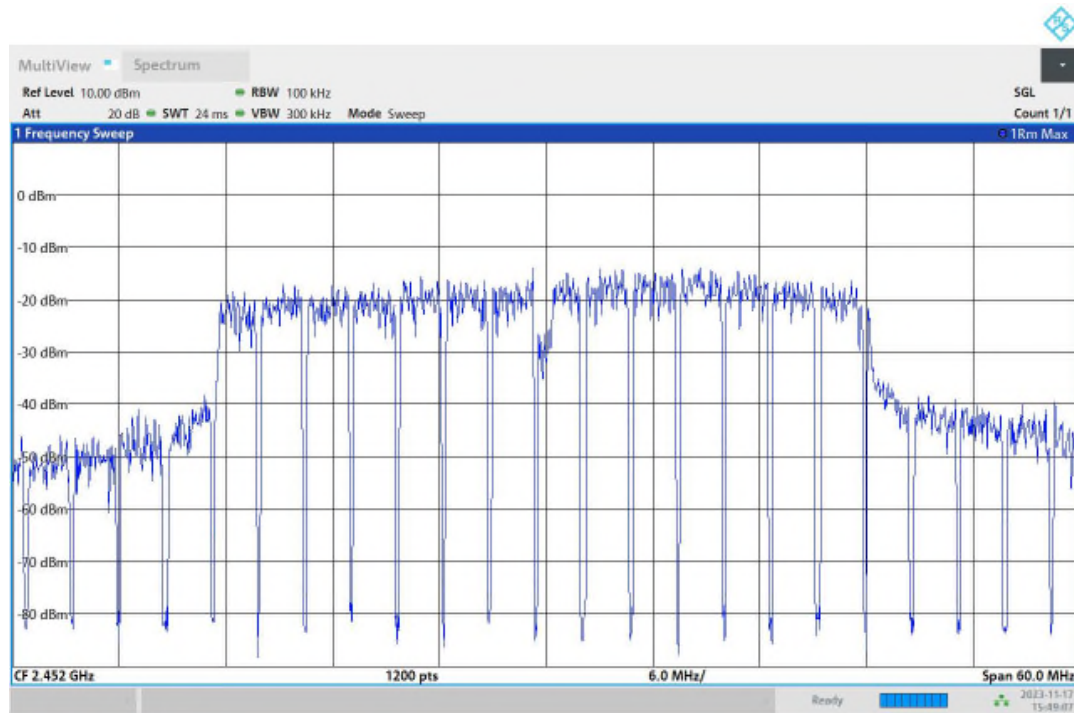
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2452.000000	2456.879066	1.628	8.0	PASS

Ports

Port	State
1	used



PSD Connector 1



03:49:08 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.42200 GHz	2.42200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	60.000 MHz	60.000 MHz
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	1200	~ 1200
SweepTime	24.000 ms	24.000 ms
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	RMS	RMS
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	97 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Minimum Emission Bandwidth 6 dB

Minimum Emission Bandwidth 6 dB (2412 MHz; b-mode [1MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

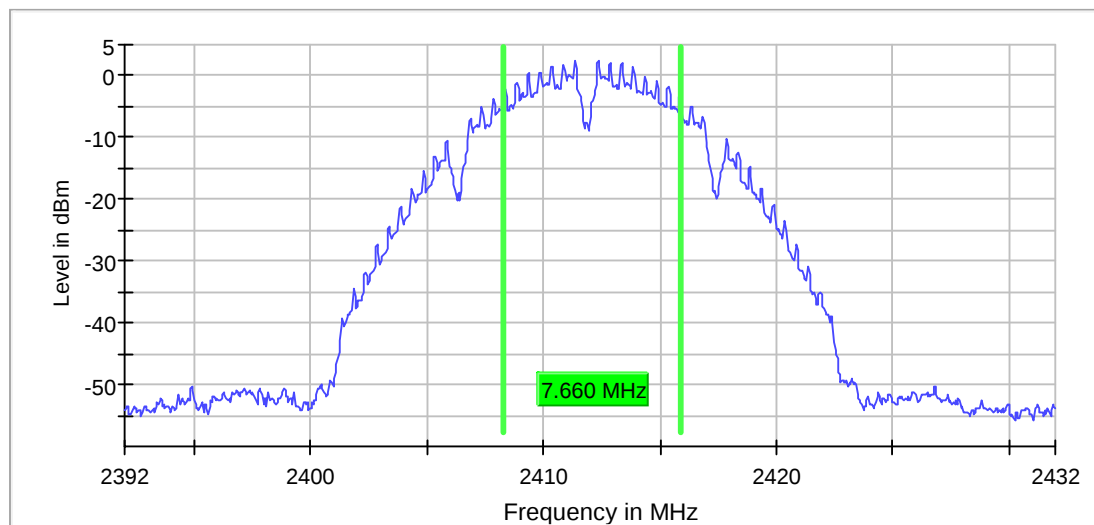
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	7.659574	0.500000	---	2408.270338	2415.929912

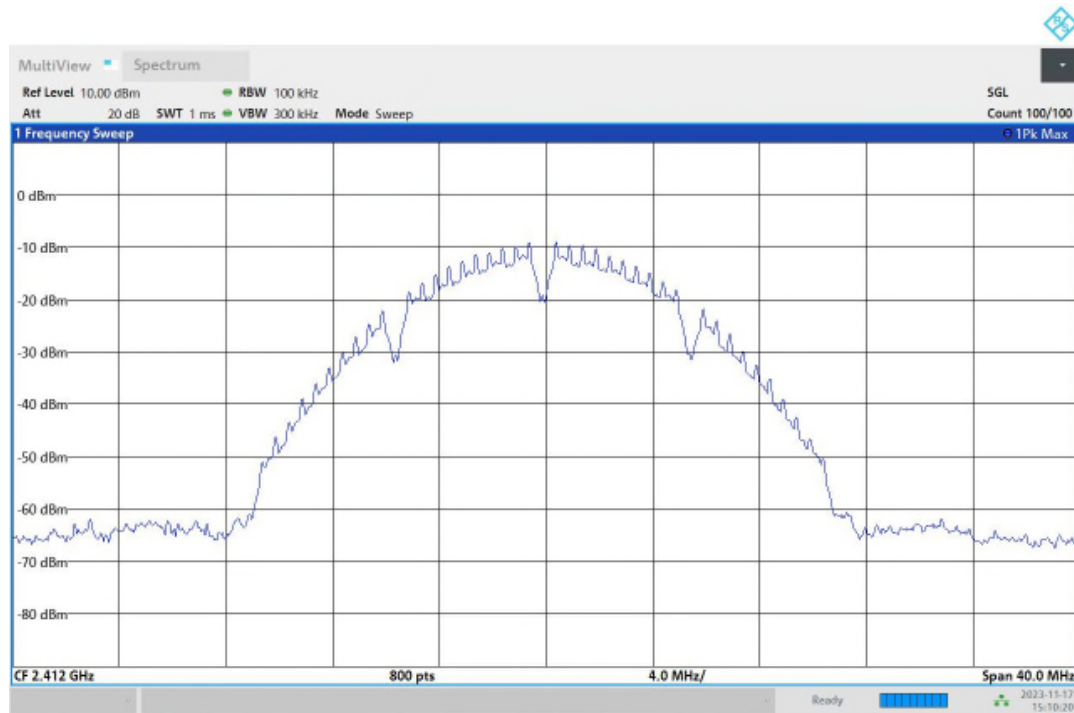
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	2.6	PASS

6 dB Bandwidth



Bandwidth



03:10:20 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	13 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.43 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2437 MHz; b-mode [1Mbps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

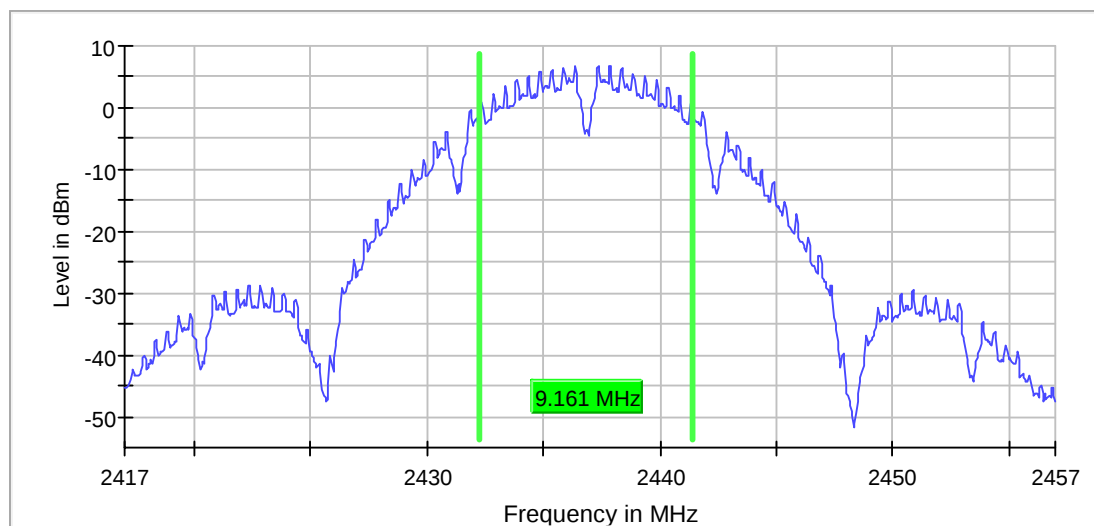
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	9.161452	0.500000	---	2432.269086	2441.430538

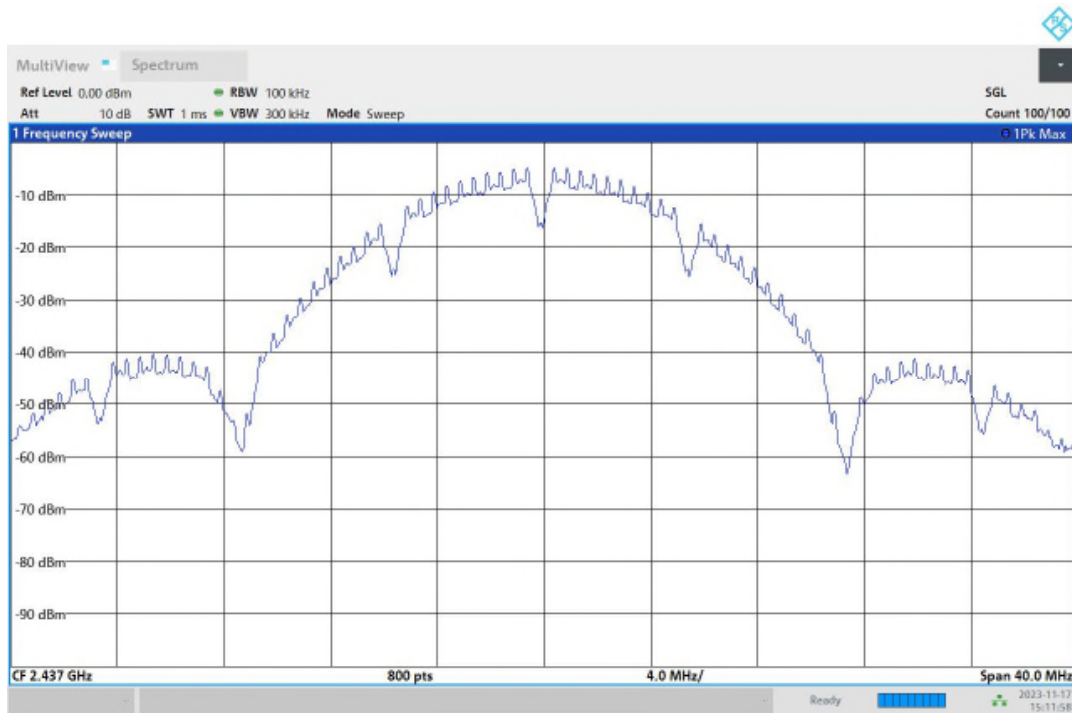
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	6.8	PASS

6 dB Bandwidth



Bandwidth



03:11:59 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	18 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.35 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2462 MHz; b-mode [1Mbps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

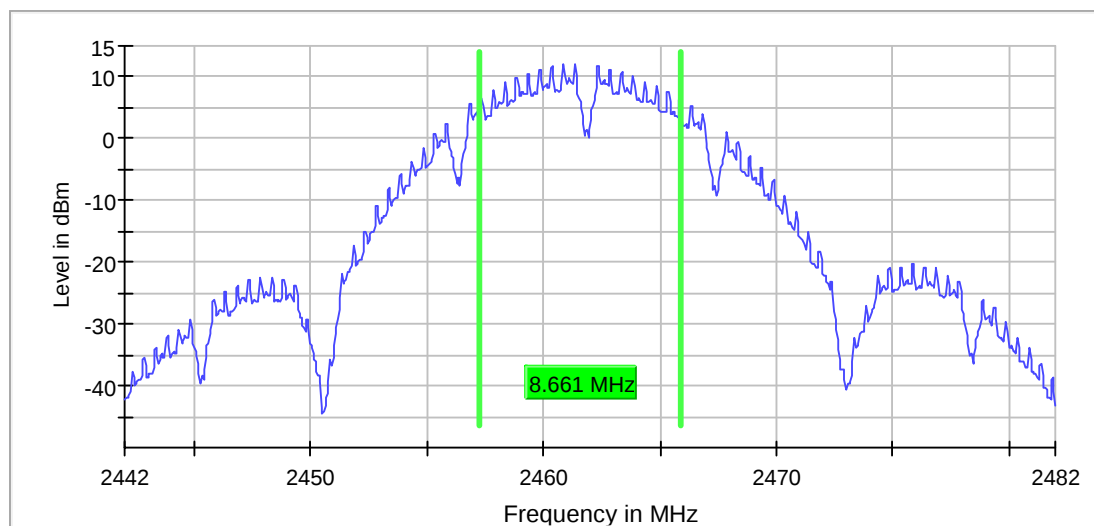
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	8.660826	0.500000	---	2457.269086	2465.929912

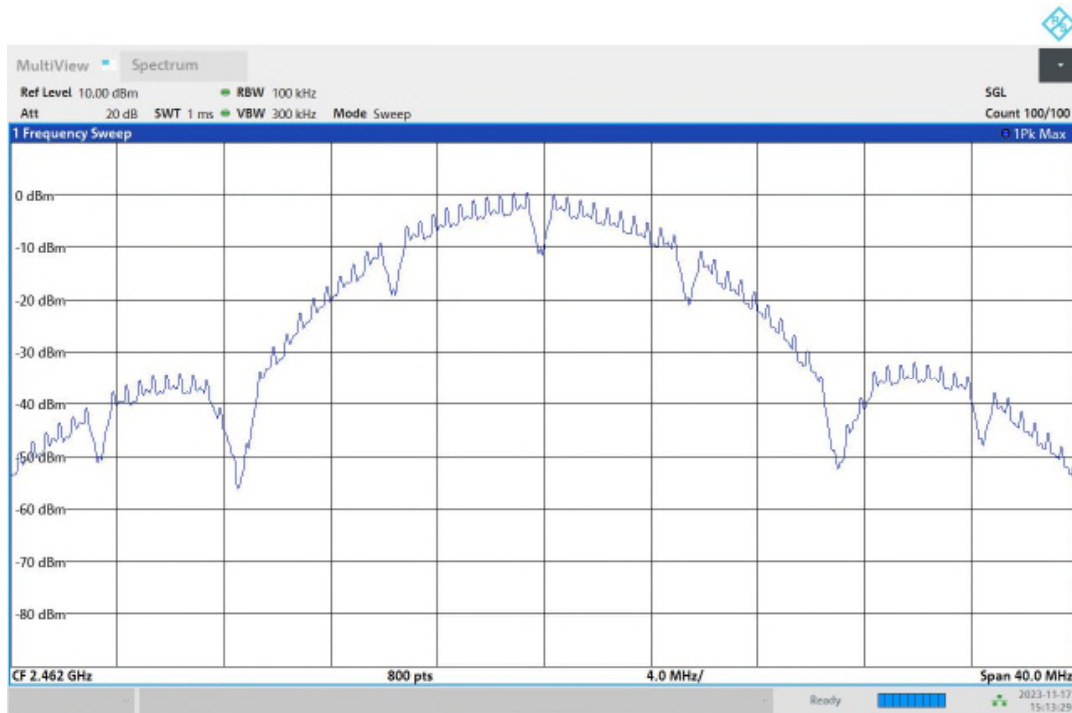
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	12.1	PASS

6 dB Bandwidth



Bandwidth



03:13:29 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	29 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.11 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2412 MHz; g-mode [6Mbps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

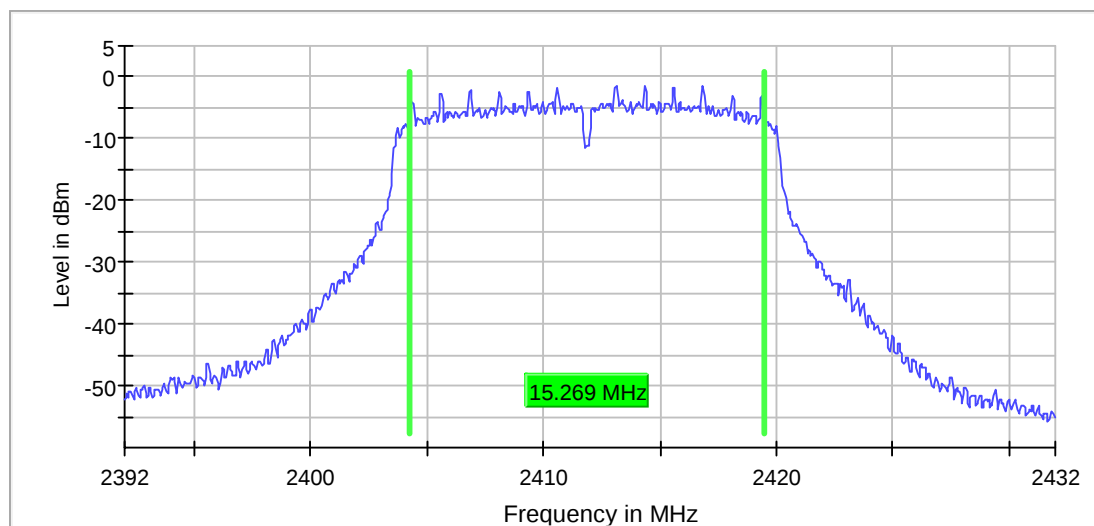
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	15.269086	0.500000	---	2404.215269	2419.484355

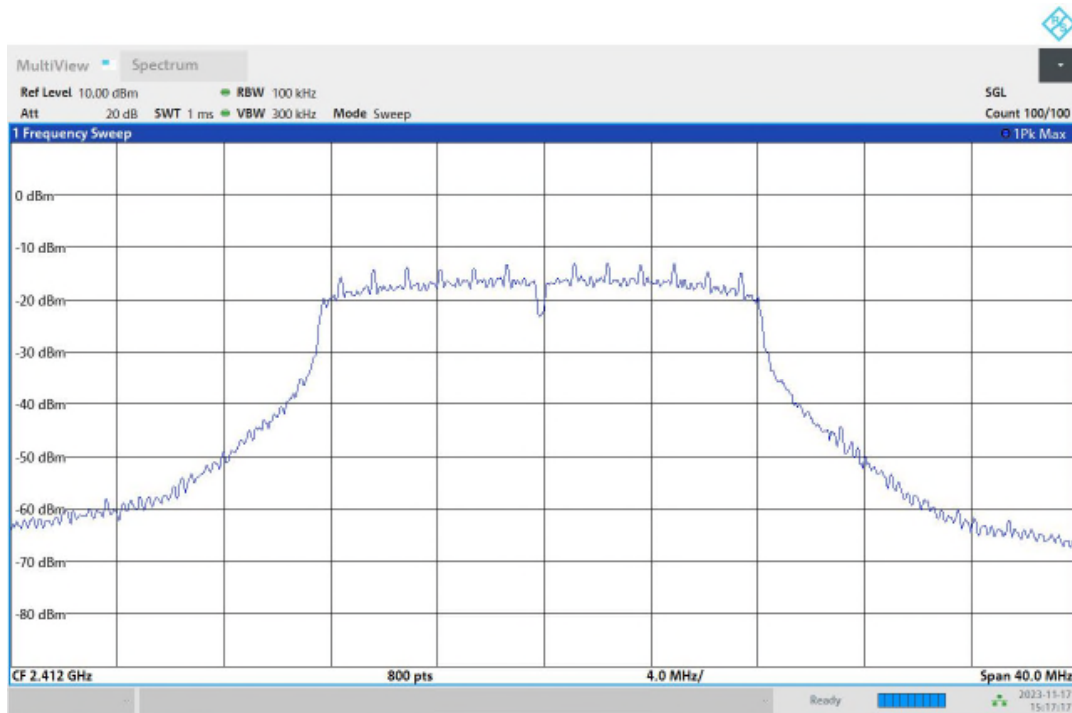
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-1.4	PASS

6 dB Bandwidth



Bandwidth



03:17:18 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	62 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.21 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2437 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

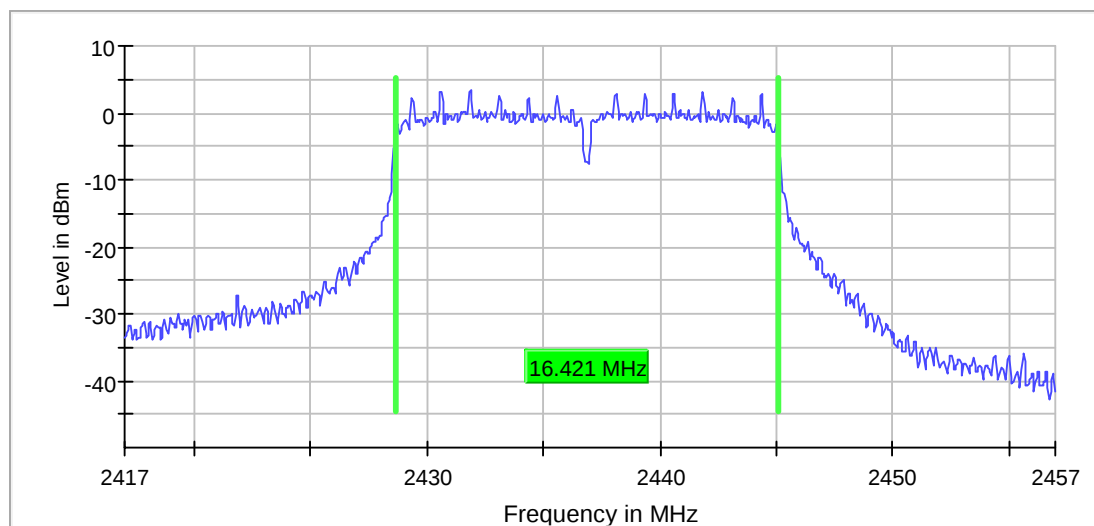
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	16.420525	0.500000	---	2428.664581	2445.085106

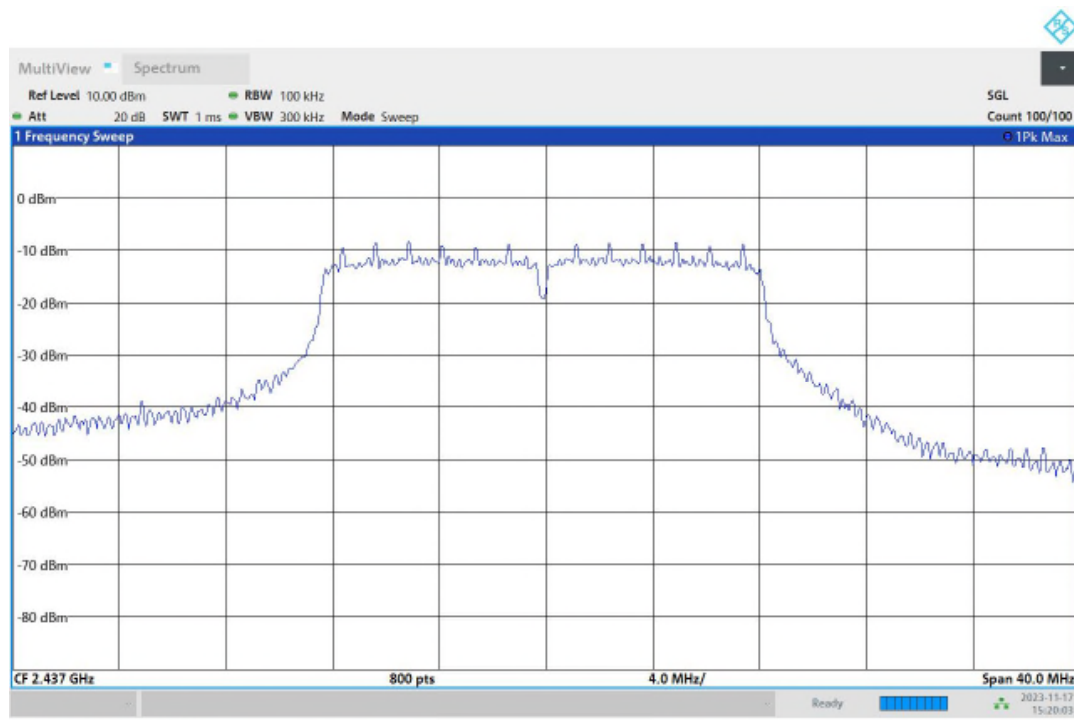
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	3.3	PASS

6 dB Bandwidth



Bandwidth



03:20:04 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	57 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.17 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2462 MHz; g-mode [6Mbps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

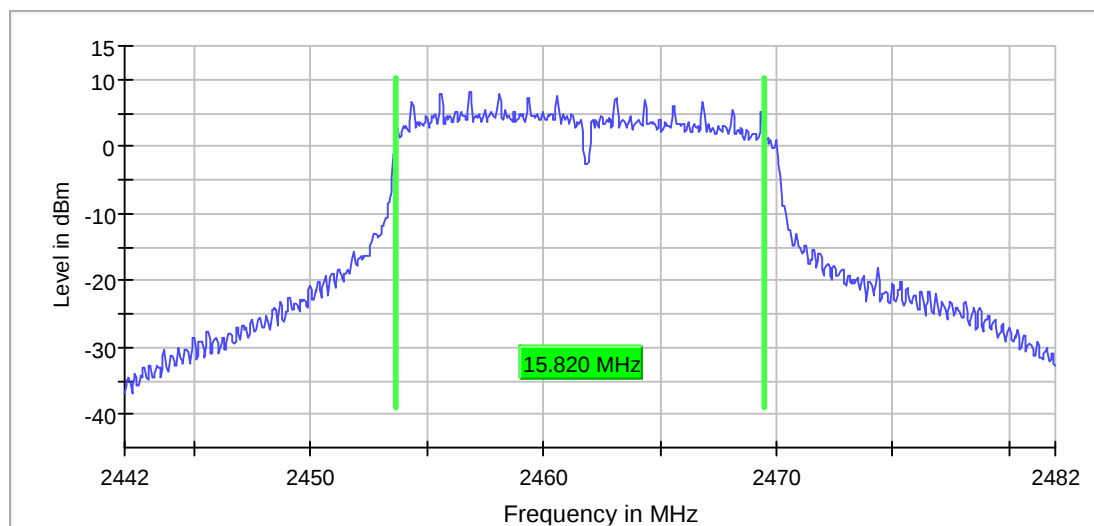
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	15.819774	0.500000	---	2453.664581	2469.484355

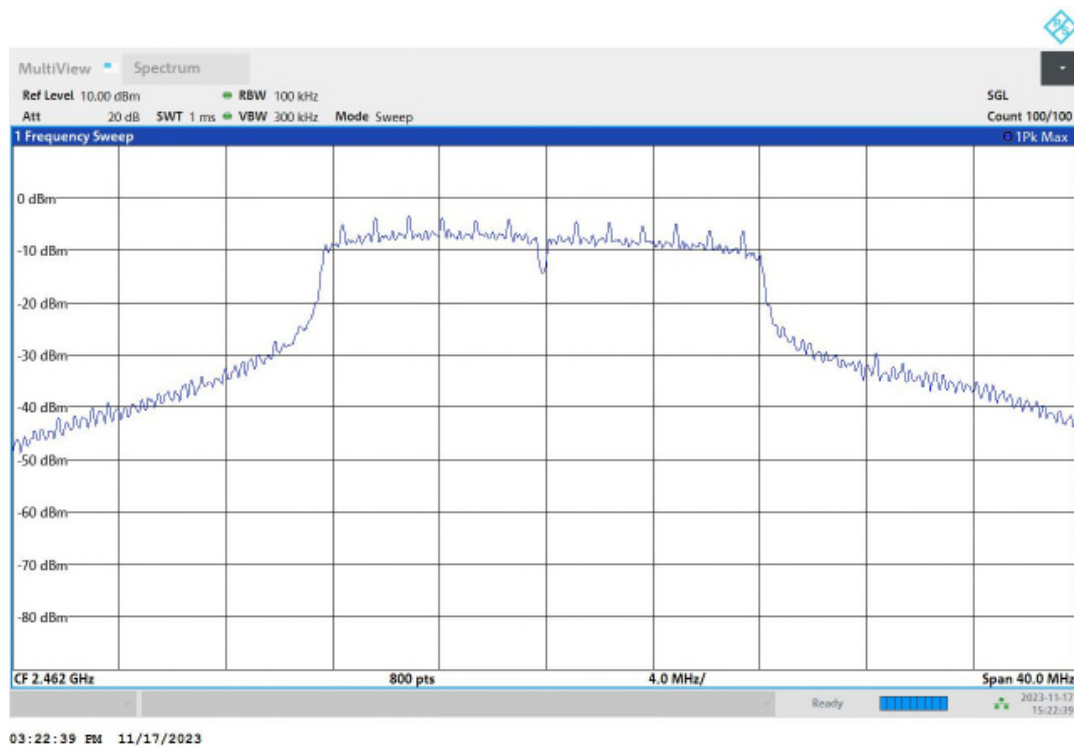
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	8.2	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	77 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.04 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2412 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

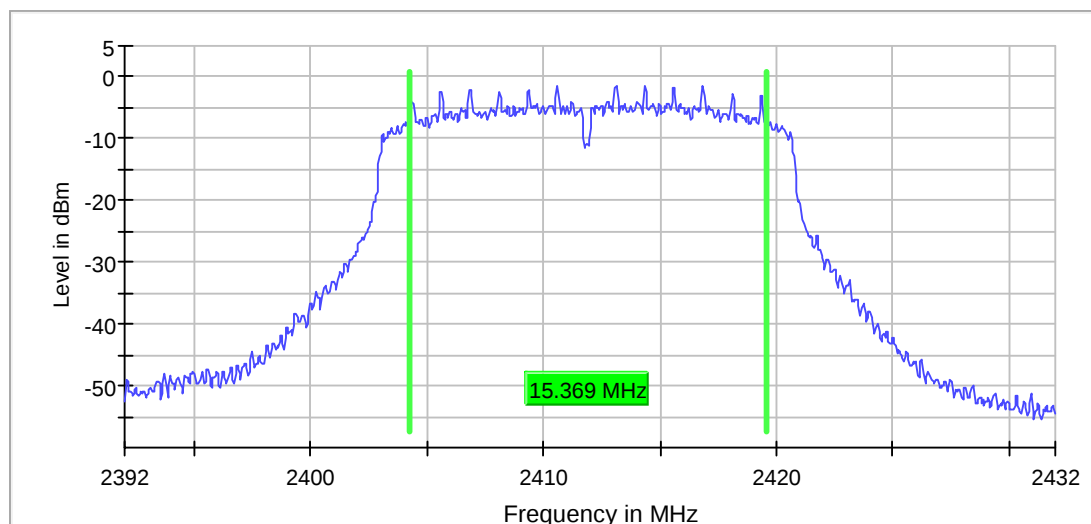
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	15.369212	0.500000	---	2404.215269	2419.584481

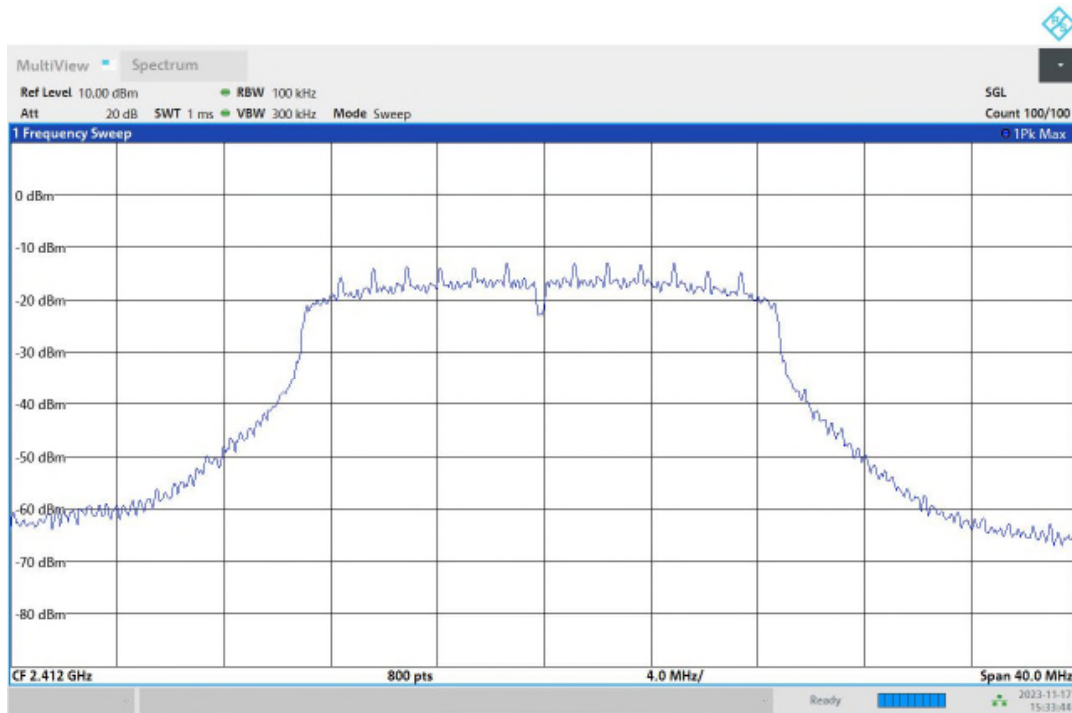
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2412.000000	-1.3	PASS

6 dB Bandwidth



Bandwidth



03:33:45 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	63 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.08 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2437 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

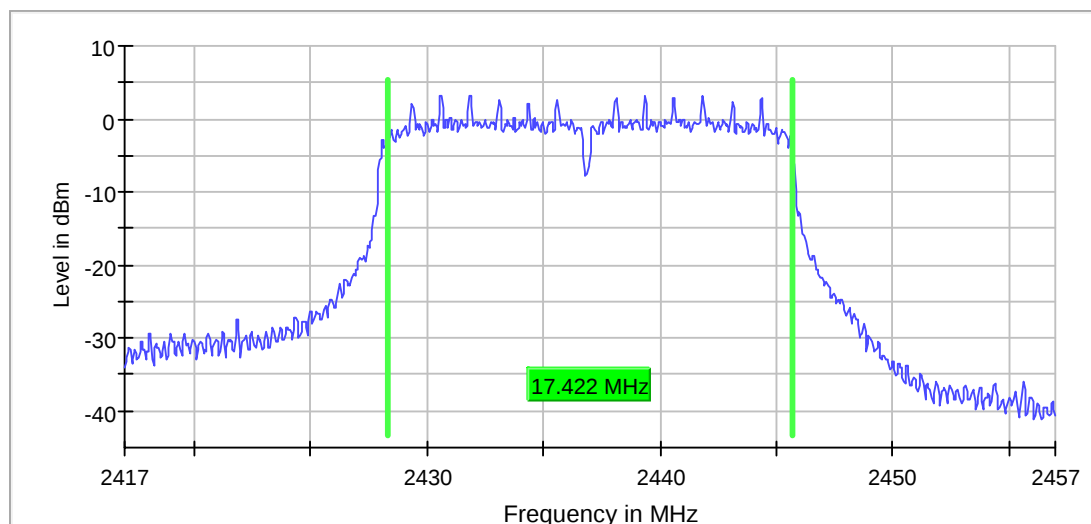
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	17.421777	0.500000	---	2428.264080	2445.685857

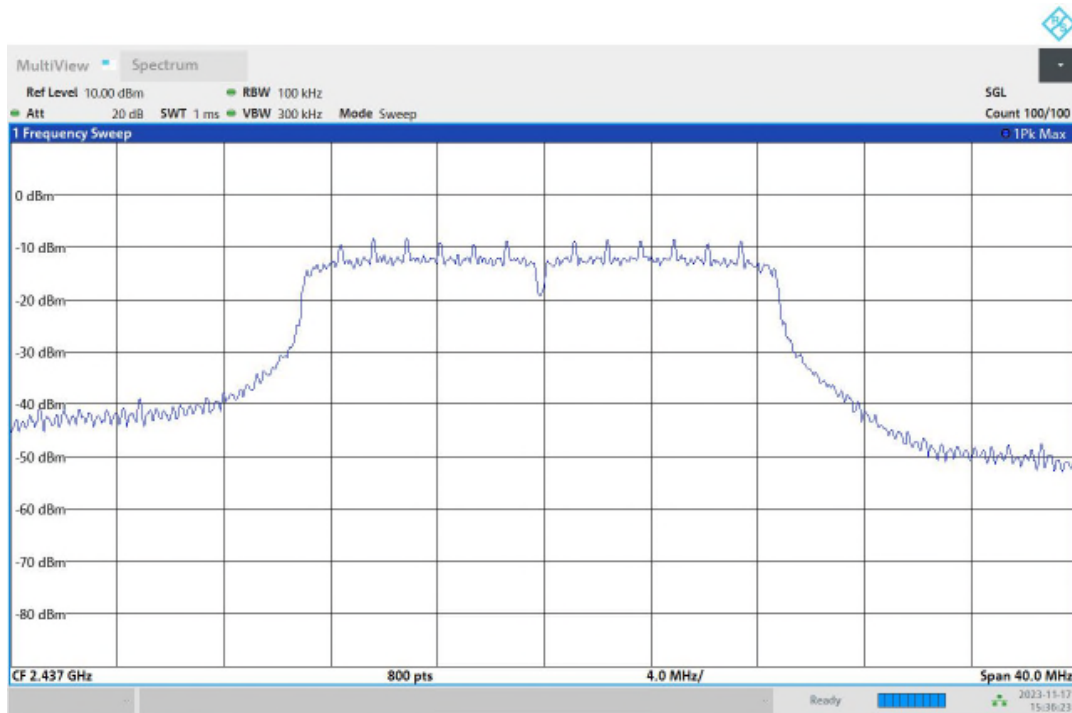
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	3.3	PASS

6 dB Bandwidth



Bandwidth



03:36:24 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	64 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.42 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2462 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

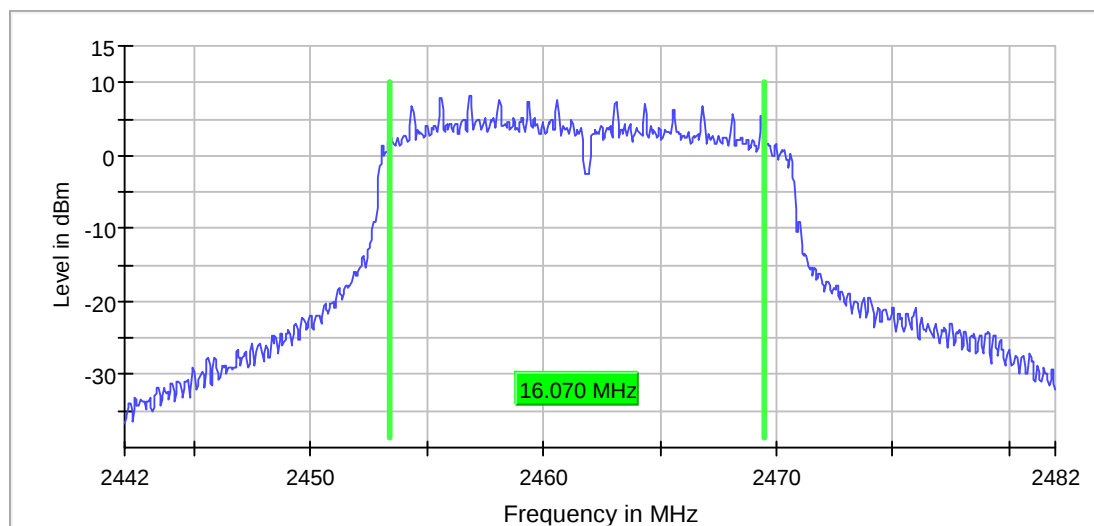
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.070087	0.500000	---	2453.414268	2469.484355

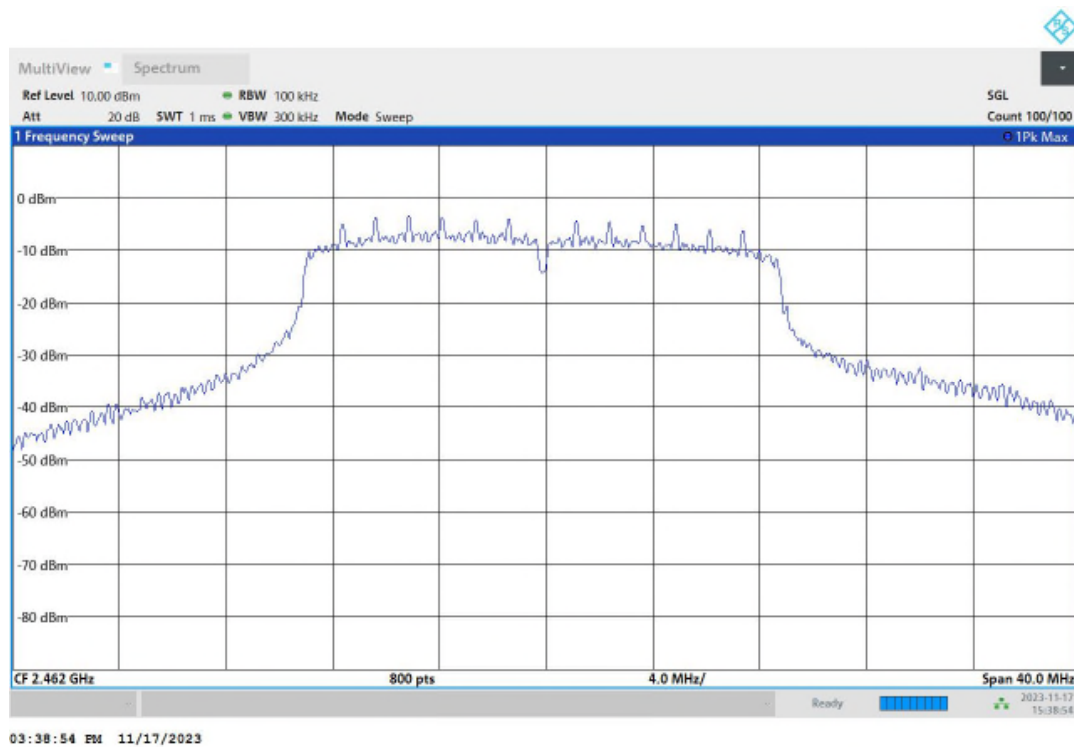
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2462.000000	8.2	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	800	~ 800
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	54 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.42 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2422 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

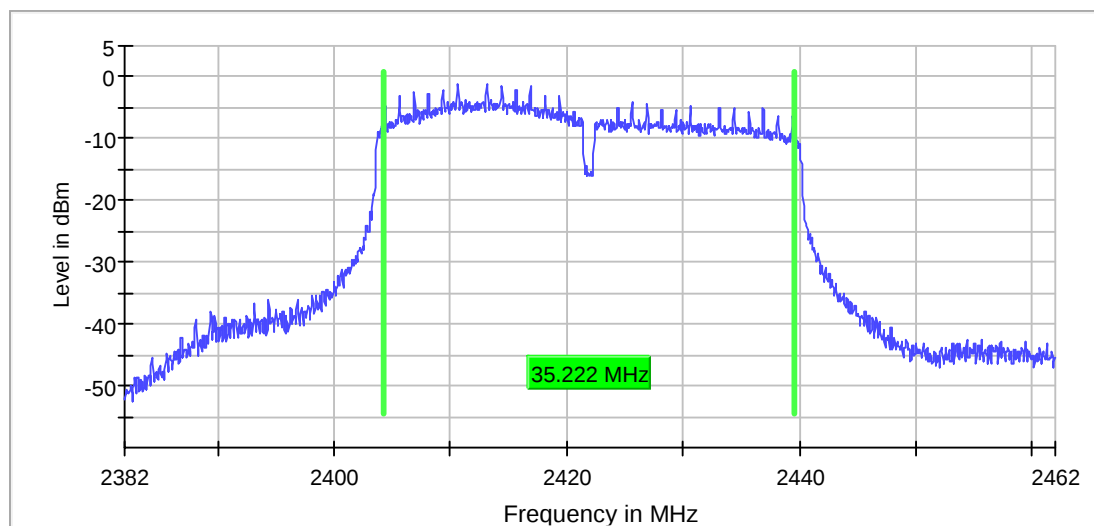
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	35.222014	0.500000	---	2404.263915	2439.485929

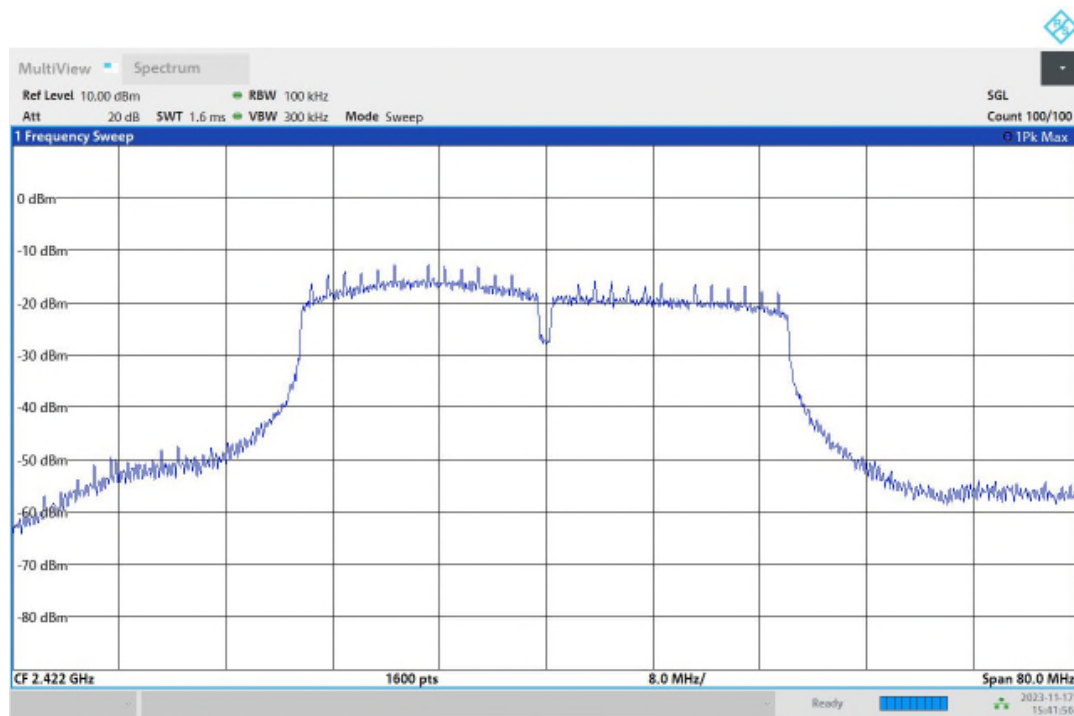
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2422.000000	-1.2	PASS

6 dB Bandwidth



Bandwidth



03:41:57 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.38200 GHz	2.38200 GHz
Stop Frequency	2.46200 GHz	2.46200 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
SweepTime	1.600 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	64 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.47 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2437 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

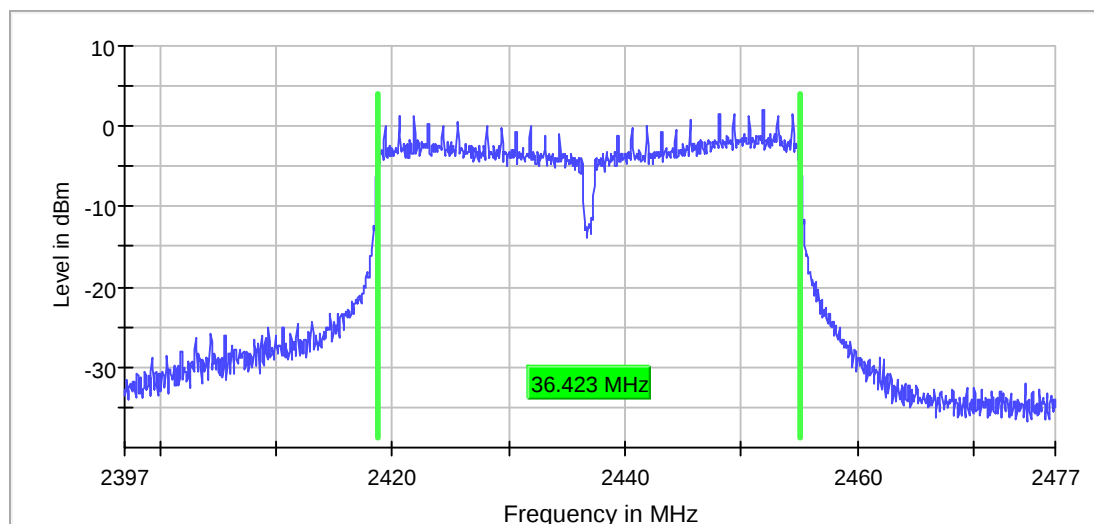
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	36.422764	0.500000	---	2418.713571	2455.136335

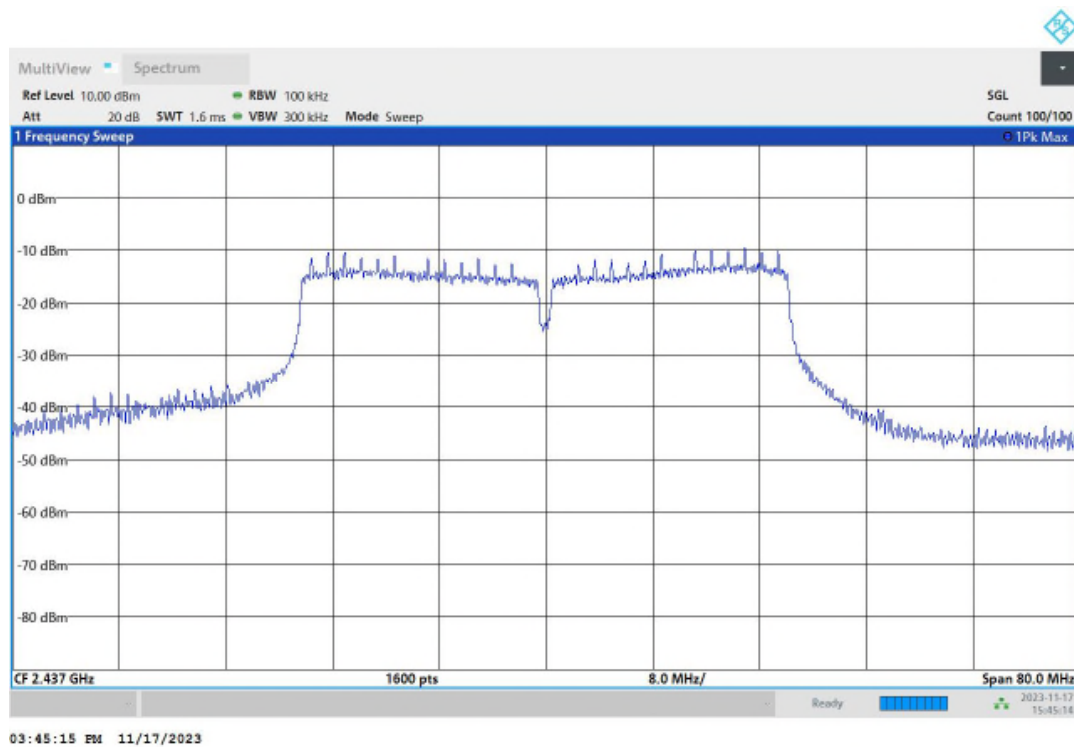
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2437.000000	2.1	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
SweepTime	1.600 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	65 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.01 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2452 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

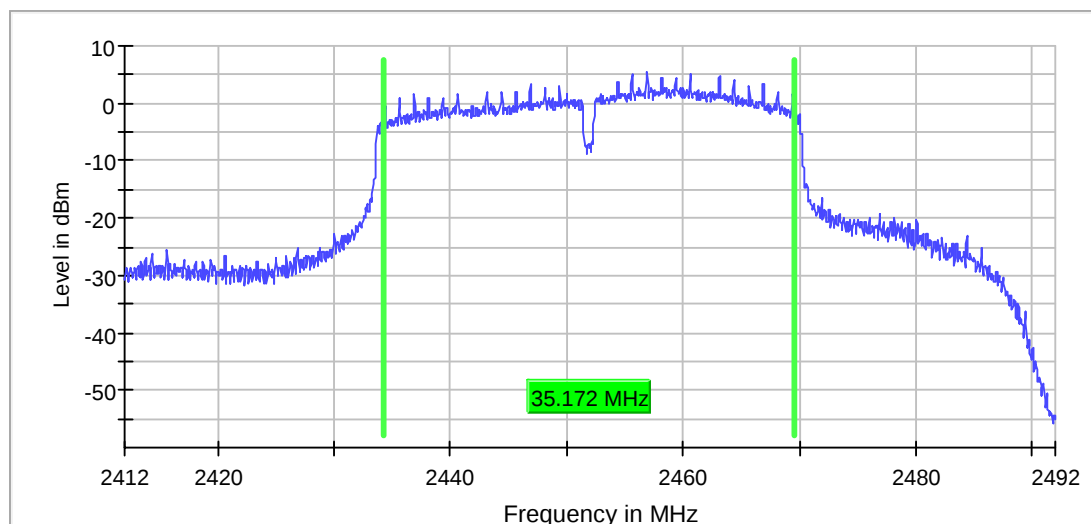
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	35.171983	0.500000	---	2434.313946	2469.485929

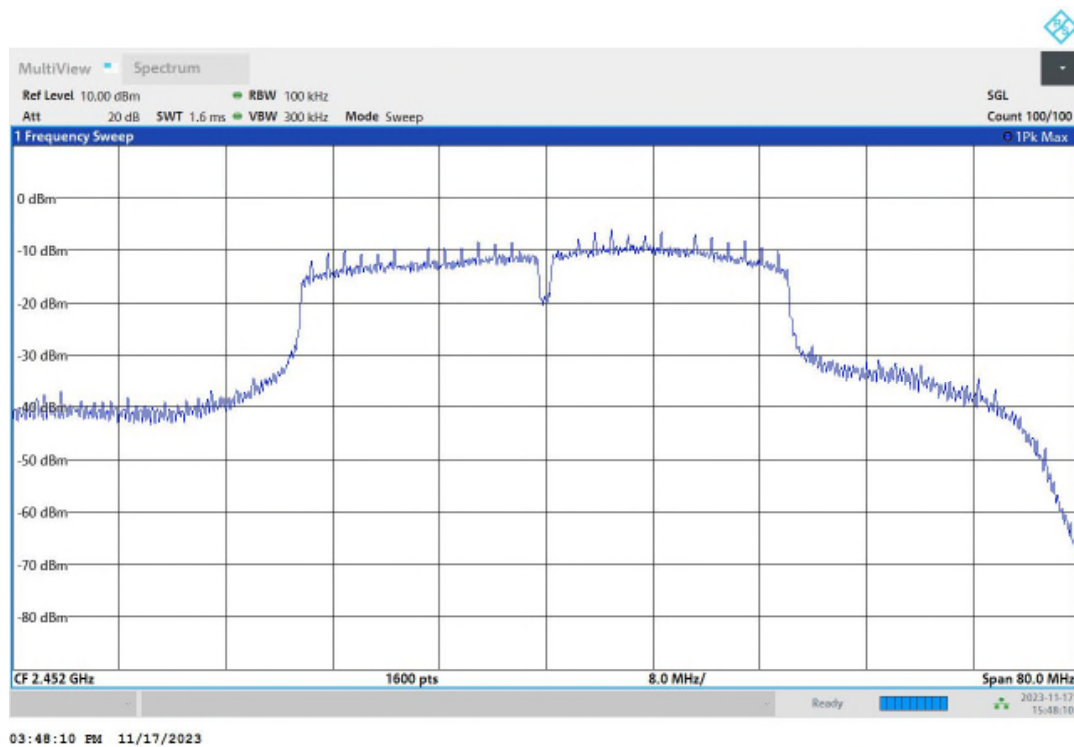
(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2452.000000	5.6	PASS

6 dB Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41200 GHz	2.41200 GHz
Stop Frequency	2.49200 GHz	2.49200 GHz
Span	80.000 MHz	80.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	1600	~ 1600
SweepTime	1.600 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	73 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.32 dB	0.50 dB

Occupied Channel Bandwidth 99%

Occupied Channel Bandwidth 99% (2412 MHz; b-mode [1Mbps] (20 dBm); 20 MHz)

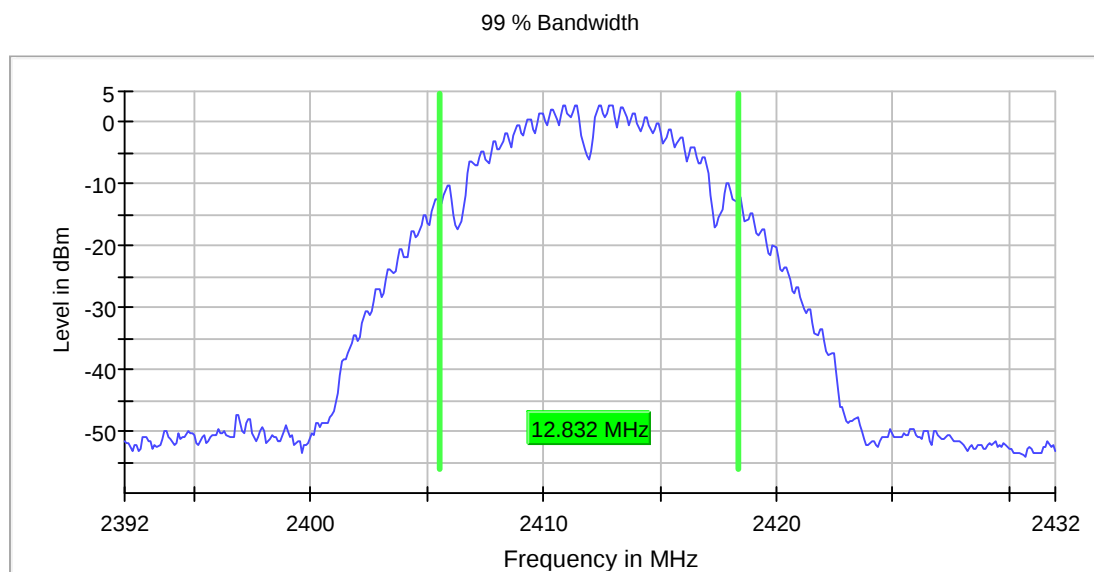
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

99 % Bandwidth

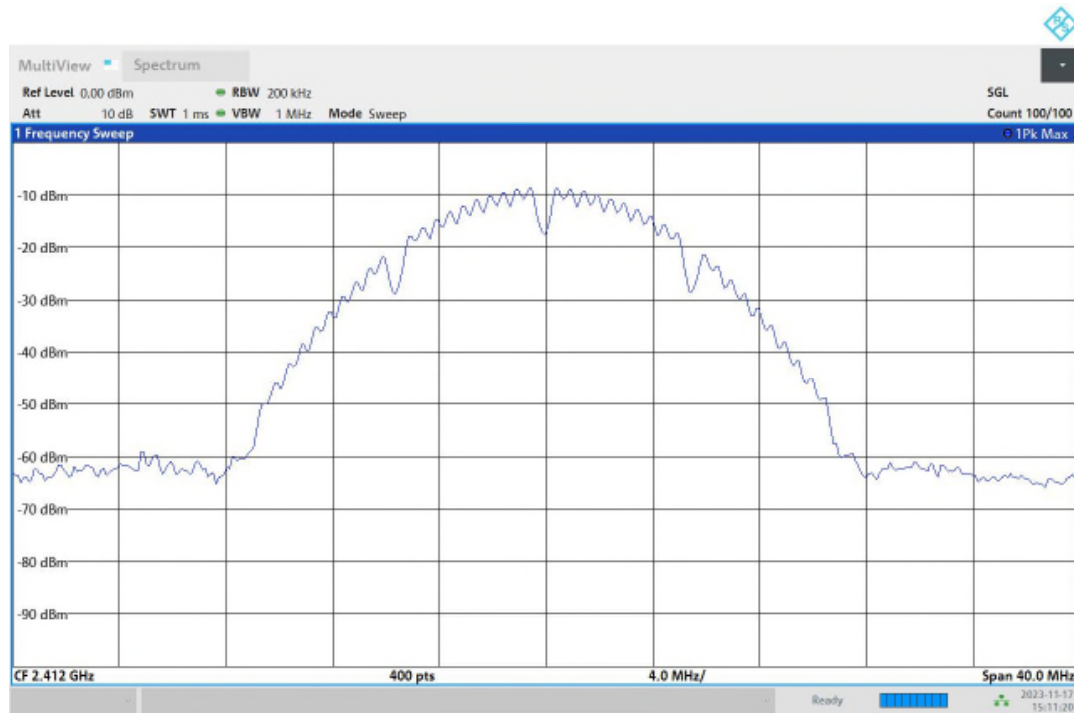
DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	12.832080	---	---	2405.533835	2418.365915

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2412.000000	PASS



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

Occupied Channel Bandwidth 99% (2437 MHz; b-mode [1Mbps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

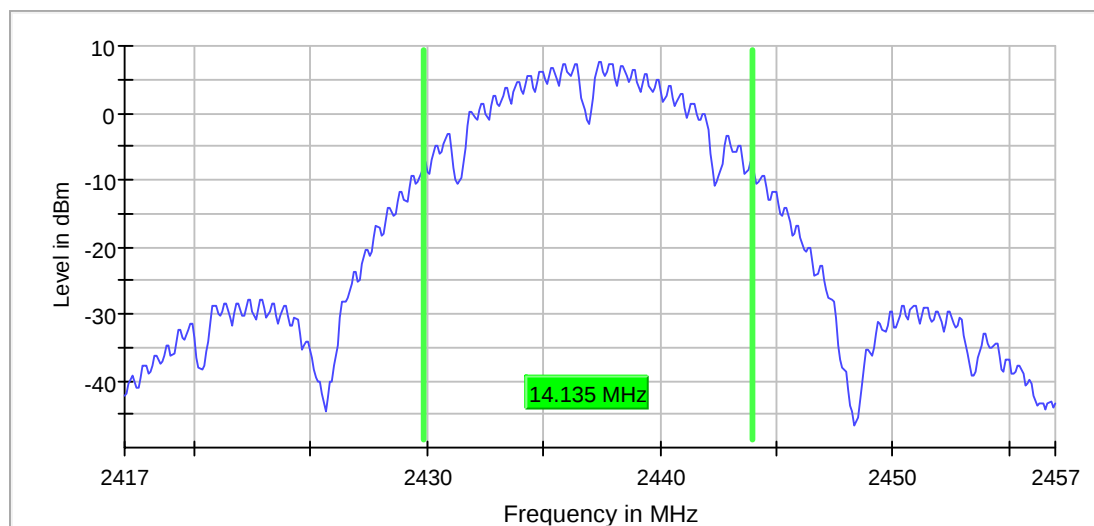
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	14.135339	---	---	2429.832080	2443.967419

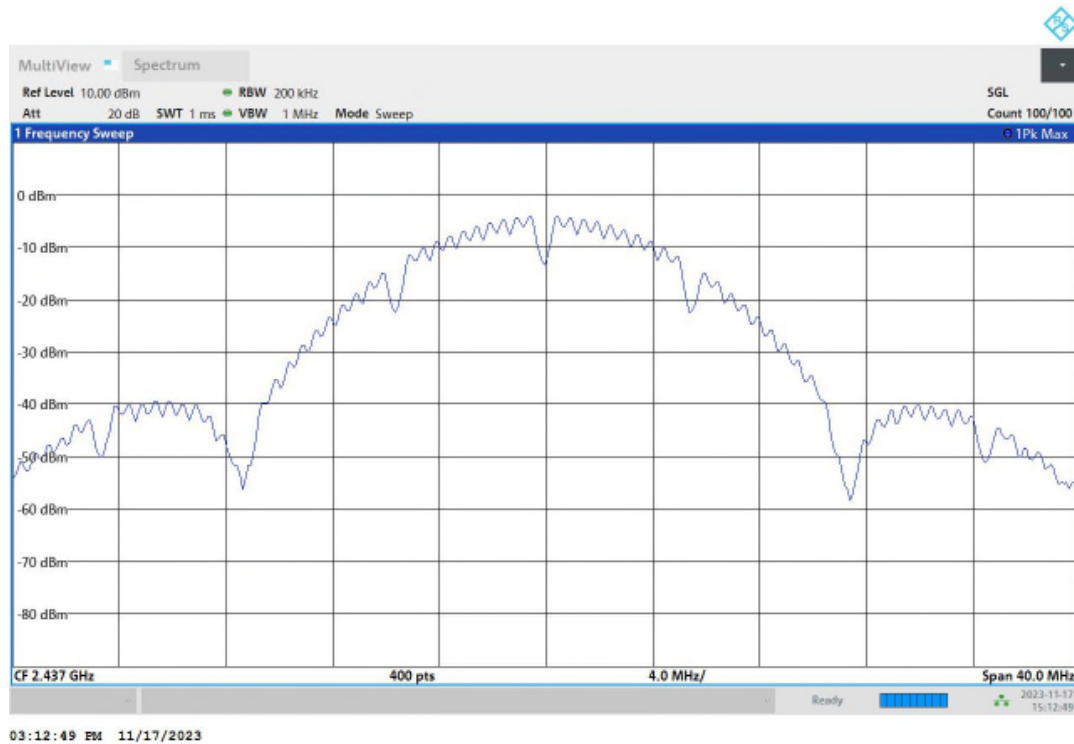
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2437.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	9 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.30 dB

Occupied Channel Bandwidth 99% (2462 MHz; b-mode [1Mbps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

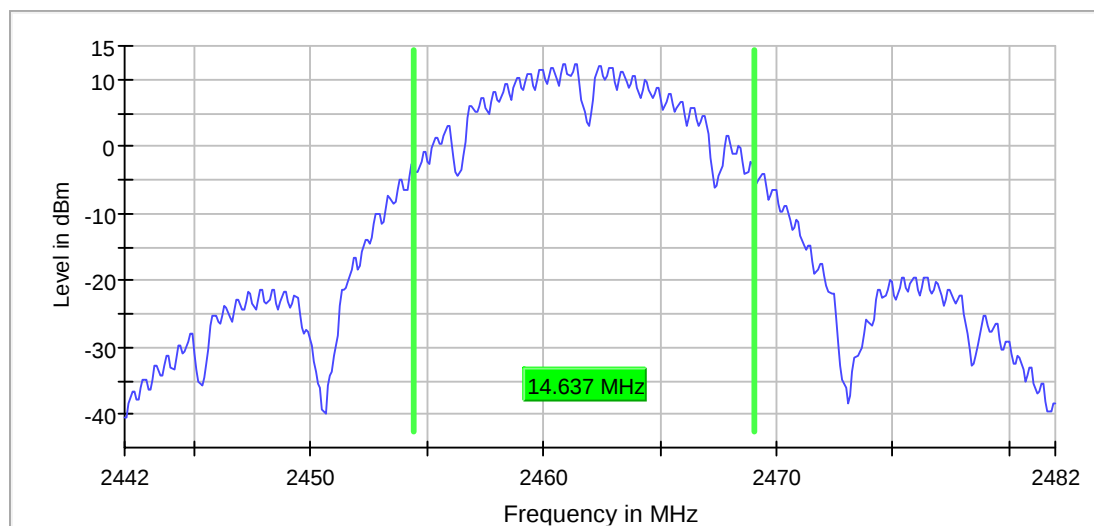
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	14.636591	---	---	2454.431078	2469.067669

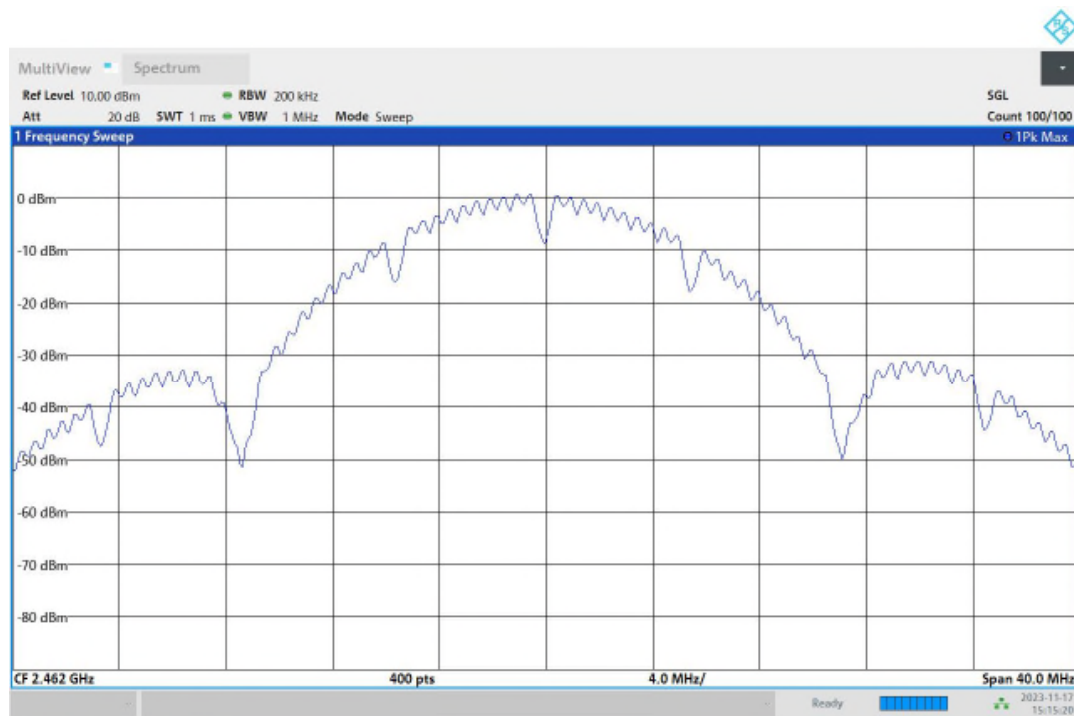
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2462.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.15 dB	0.30 dB

Occupied Channel Bandwidth 99% (2412 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

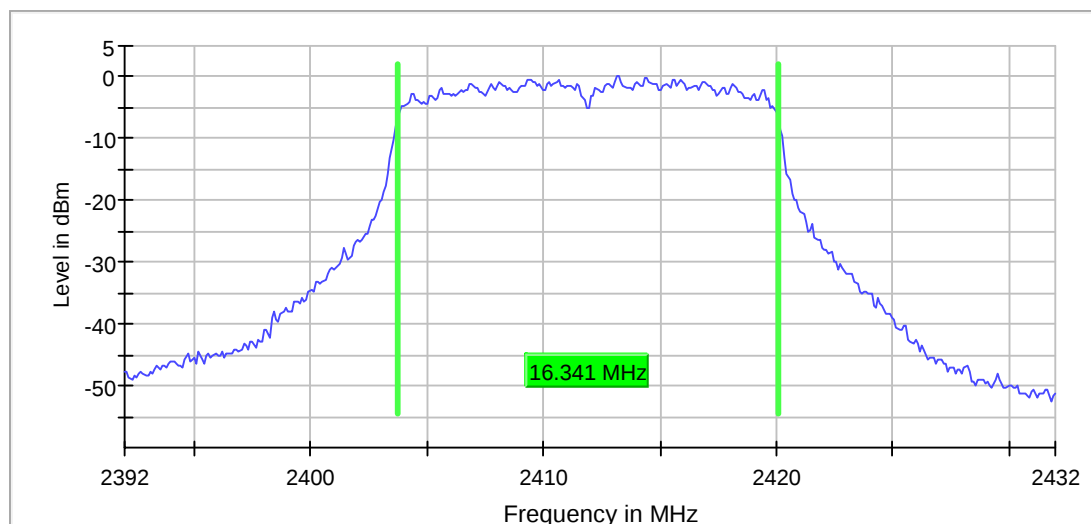
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	16.340852	---	---	2403.729323	2420.070175

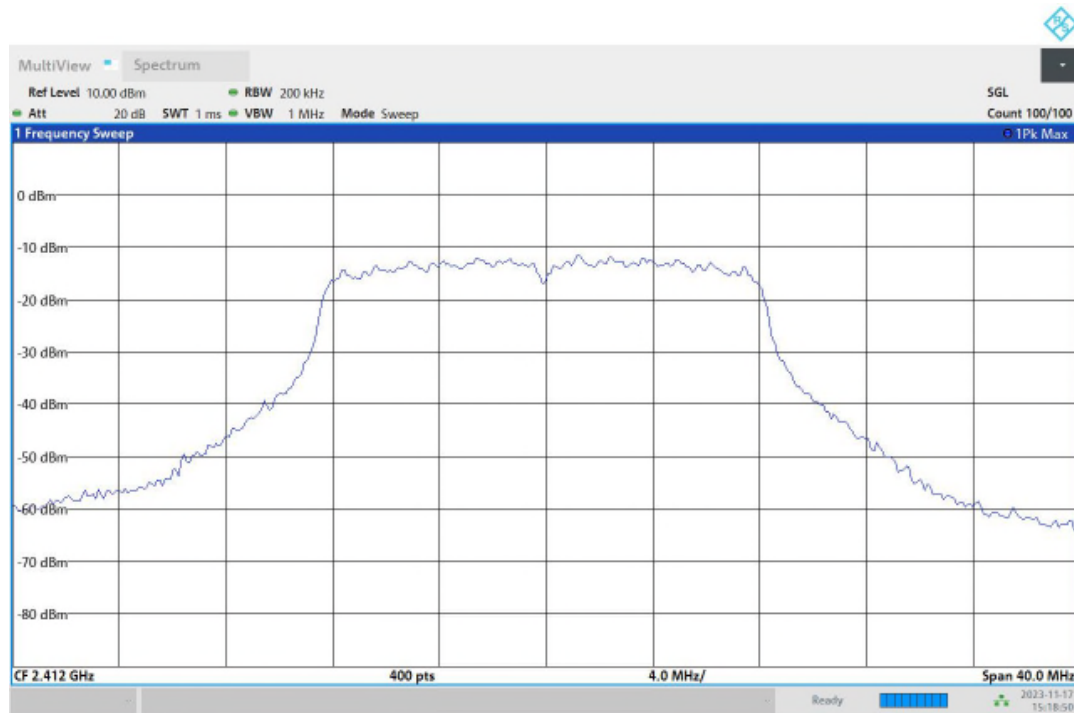
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2412.000000	PASS

99 % Bandwidth



Bandwidth



03:18:51 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	58 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Occupied Channel Bandwidth 99% (2437 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

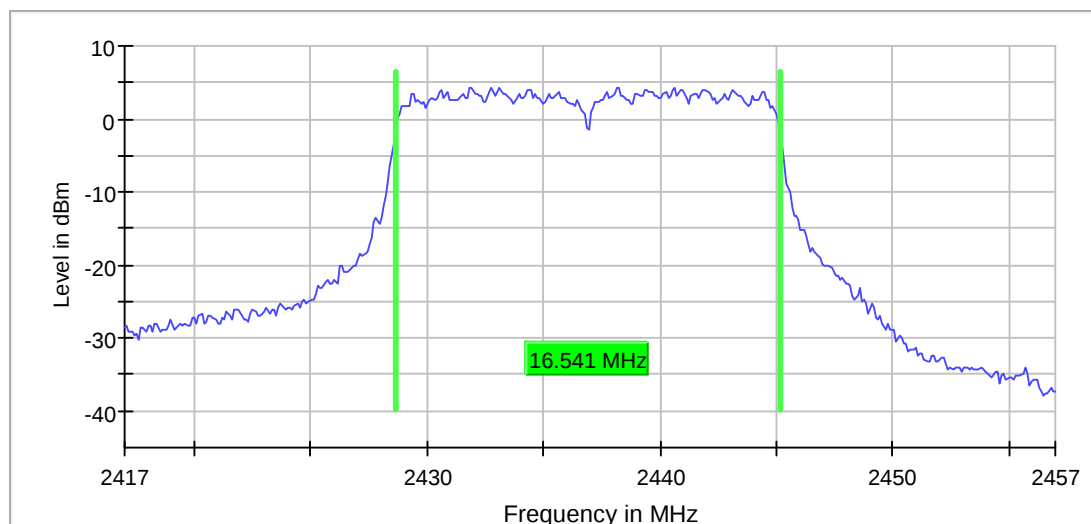
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	16.541353	---	---	2428.629073	2445.170426

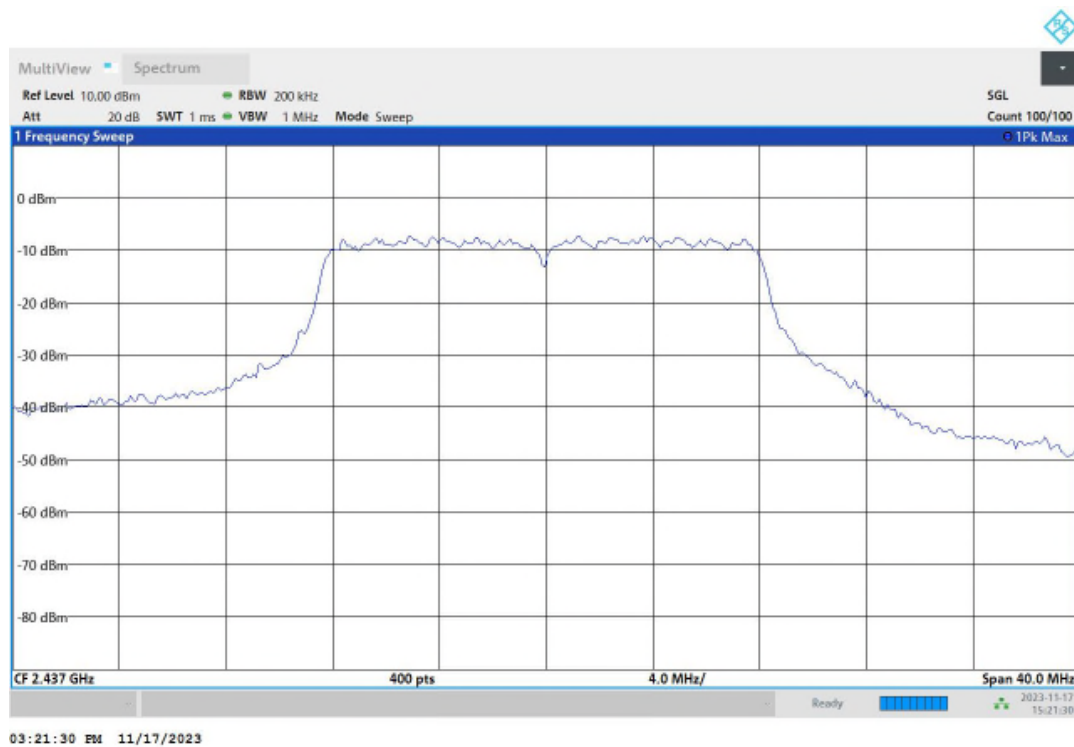
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2437.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	82 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Occupied Channel Bandwidth 99% (2462 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

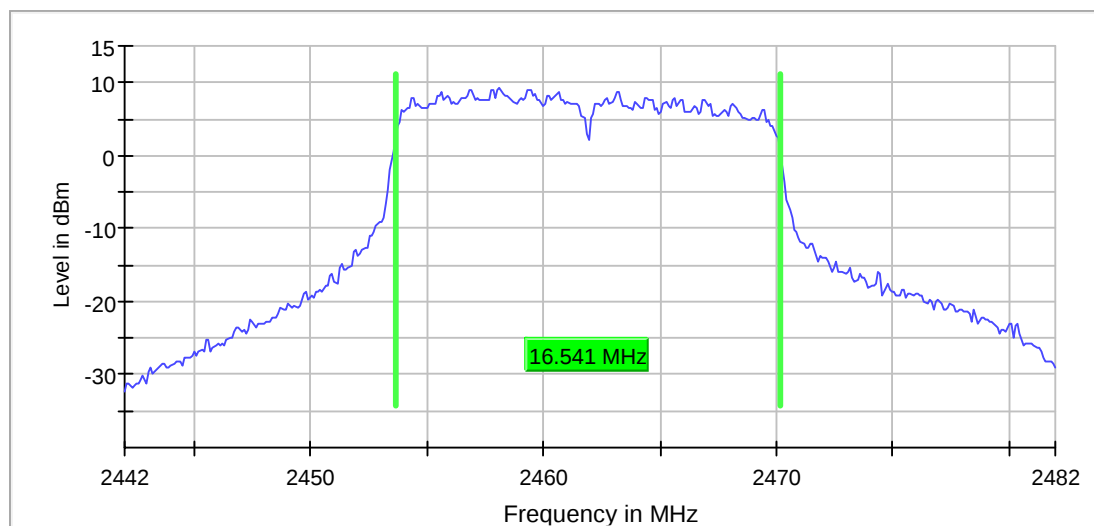
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	16.541353	---	---	2453.629073	2470.170426

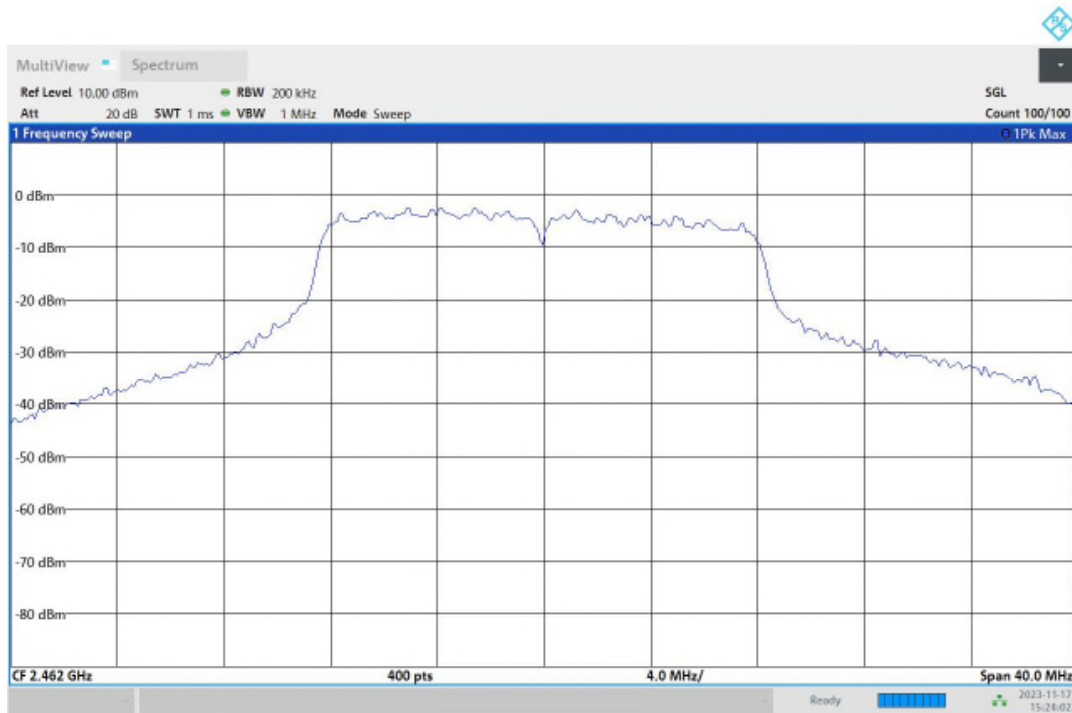
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2462.000000	PASS

99 % Bandwidth



Bandwidth



03:24:02 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	72 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.04 dB	0.30 dB

Occupied Channel Bandwidth 99% (2412 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

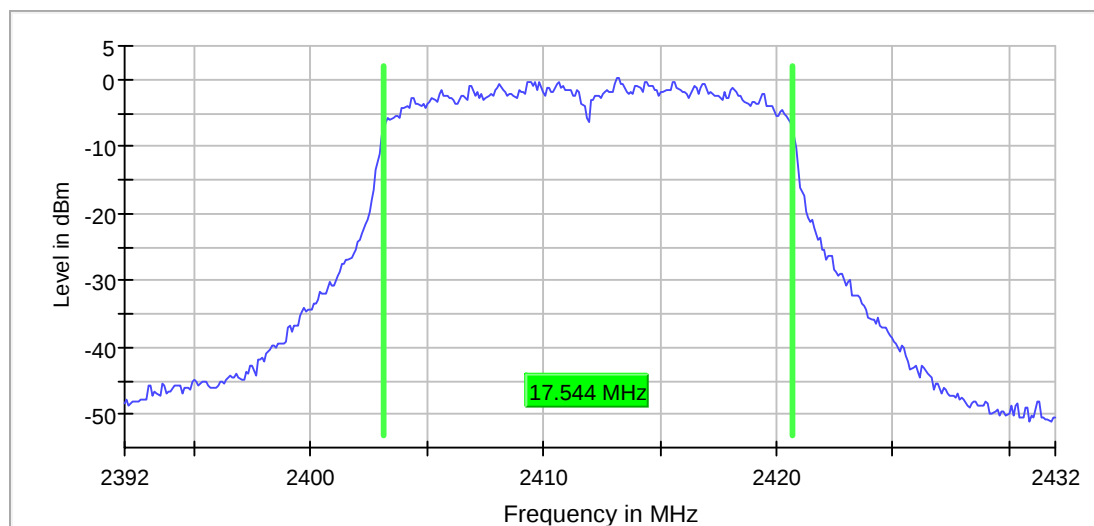
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2412.000000	17.543859	---	---	2403.127820	2420.671679

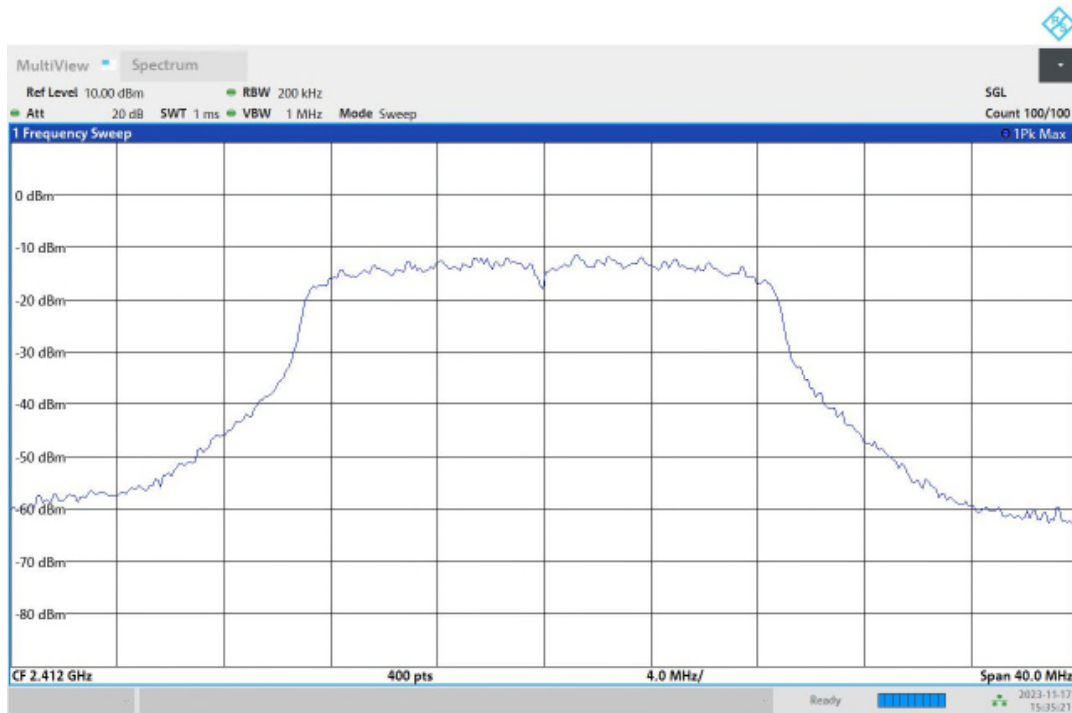
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2412.000000	PASS

99 % Bandwidth



Bandwidth



03:35:21 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39200 GHz	2.39200 GHz
Stop Frequency	2.43200 GHz	2.43200 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	75 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.18 dB	0.30 dB

Occupied Channel Bandwidth 99% (2437 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

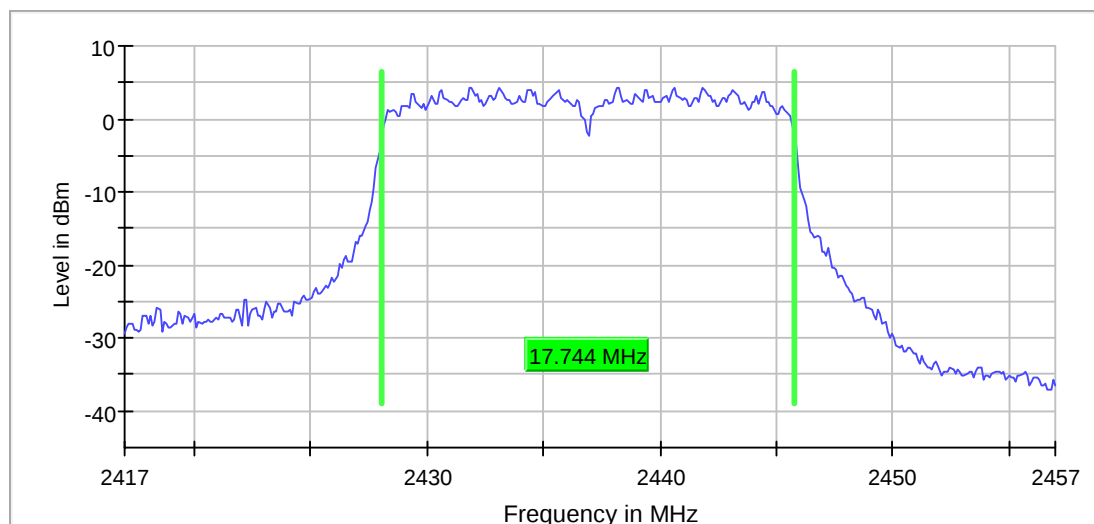
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	17.744361	---	---	2428.027569	2445.771930

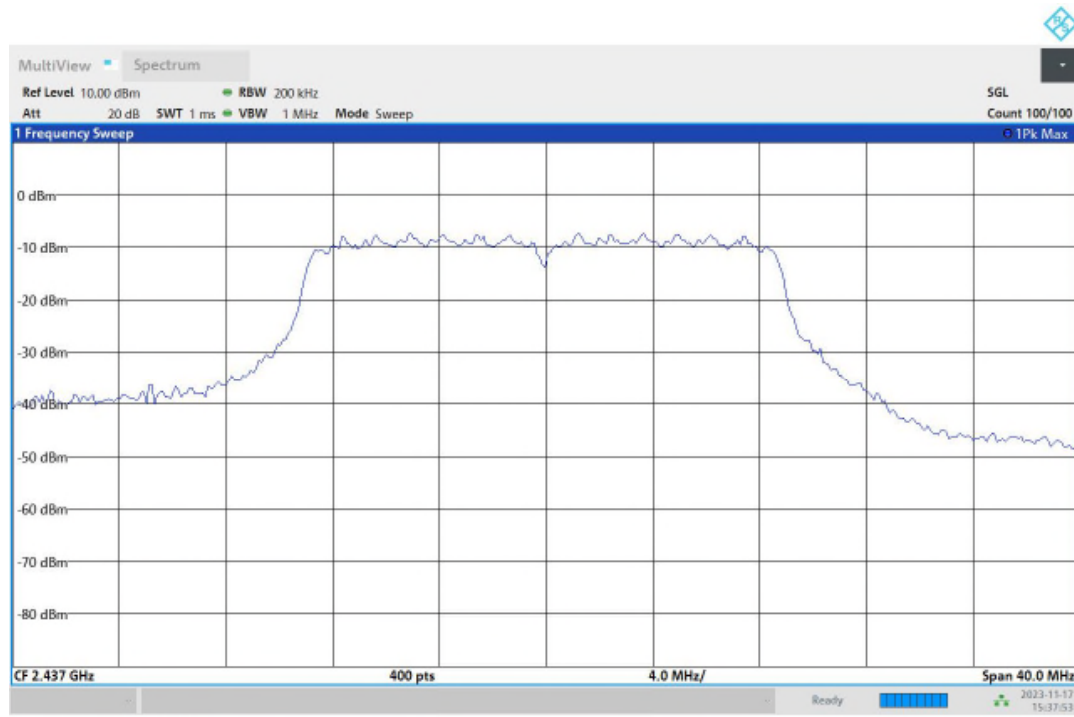
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2437.000000	PASS

99 % Bandwidth



Bandwidth



03:37:53 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41700 GHz	2.41700 GHz
Stop Frequency	2.45700 GHz	2.45700 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	51 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.21 dB	0.30 dB

Occupied Channel Bandwidth 99% (2462 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

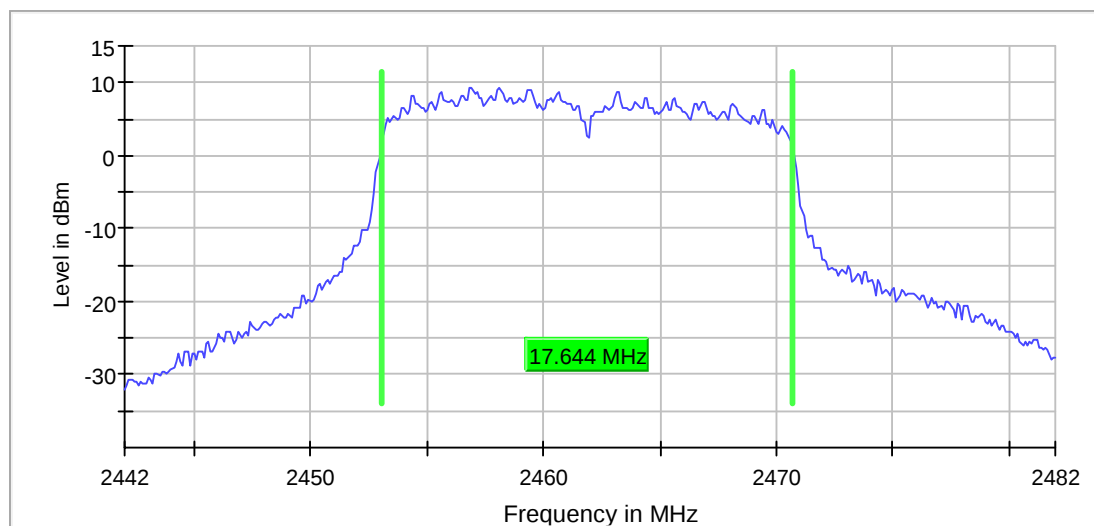
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2462.000000	17.644110	---	---	2453.027569	2470.671679

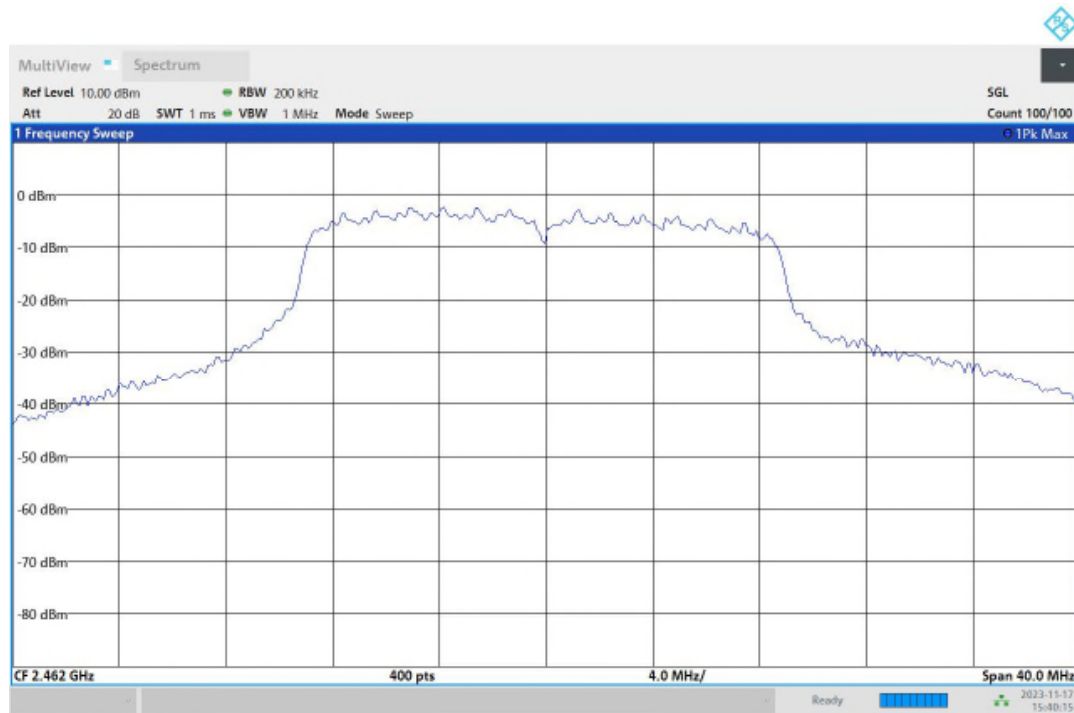
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2462.000000	PASS

99 % Bandwidth



Bandwidth



03:40:16 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44200 GHz	2.44200 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	40.000 MHz	40.000 MHz
RBW	200.000 kHz	>= 200.000 kHz
VBW	1.000 MHz	>= 600.000 kHz
SweepPoints	400	~ 400
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	57 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.30 dB

Occupied Channel Bandwidth 99% (2422 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

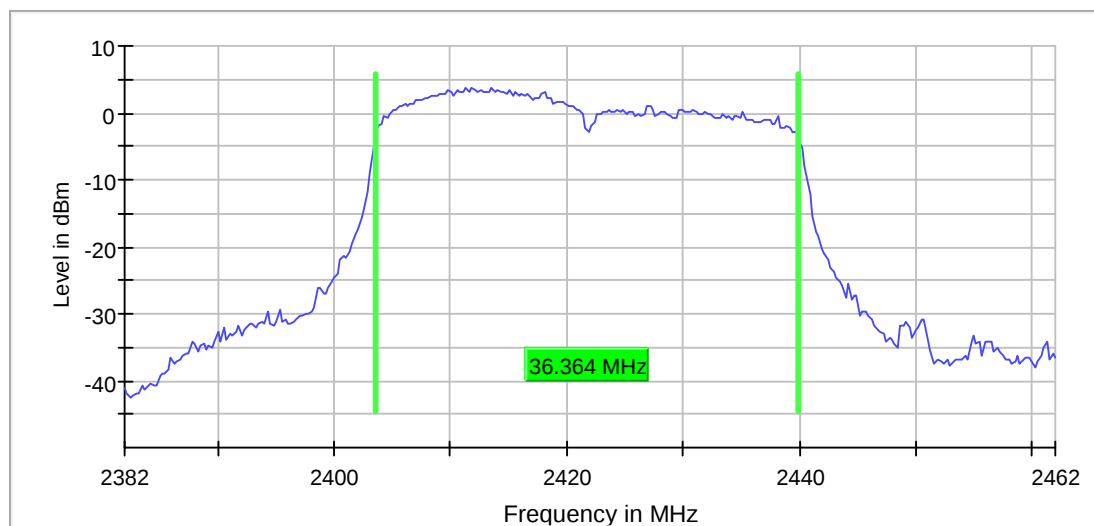
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2422.000000	36.363636	---	---	2403.567398	2439.931034

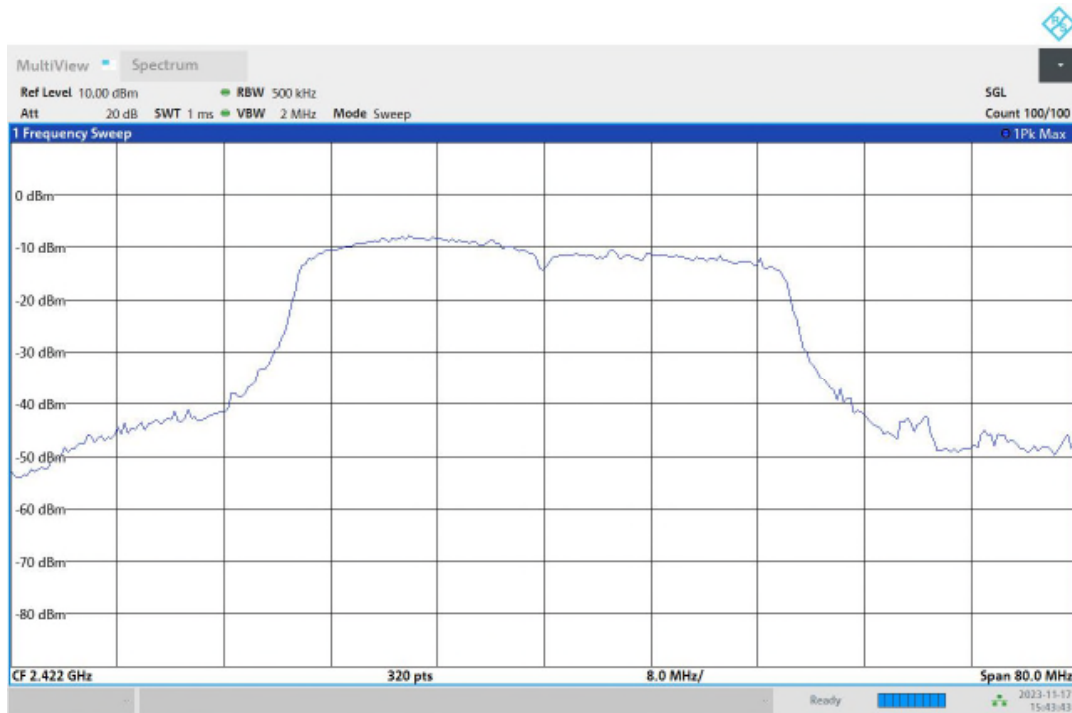
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2422.000000	PASS

99 % Bandwidth



Bandwidth



03:43:44 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.38200 GHz	2.38200 GHz
Stop Frequency	2.46200 GHz	2.46200 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	73 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Occupied Channel Bandwidth 99% (2437 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

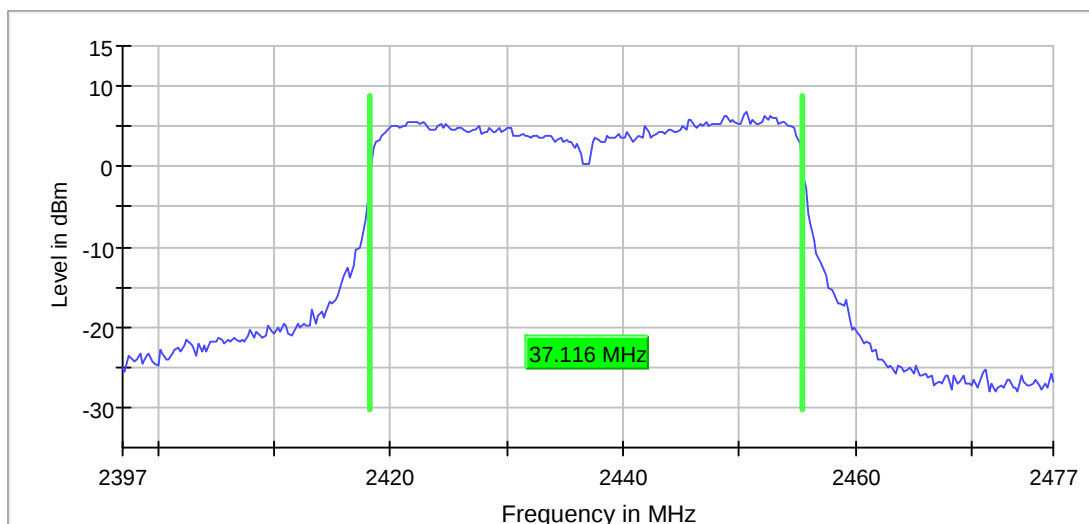
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2437.000000	37.115988	---	---	2418.316614	2455.432602

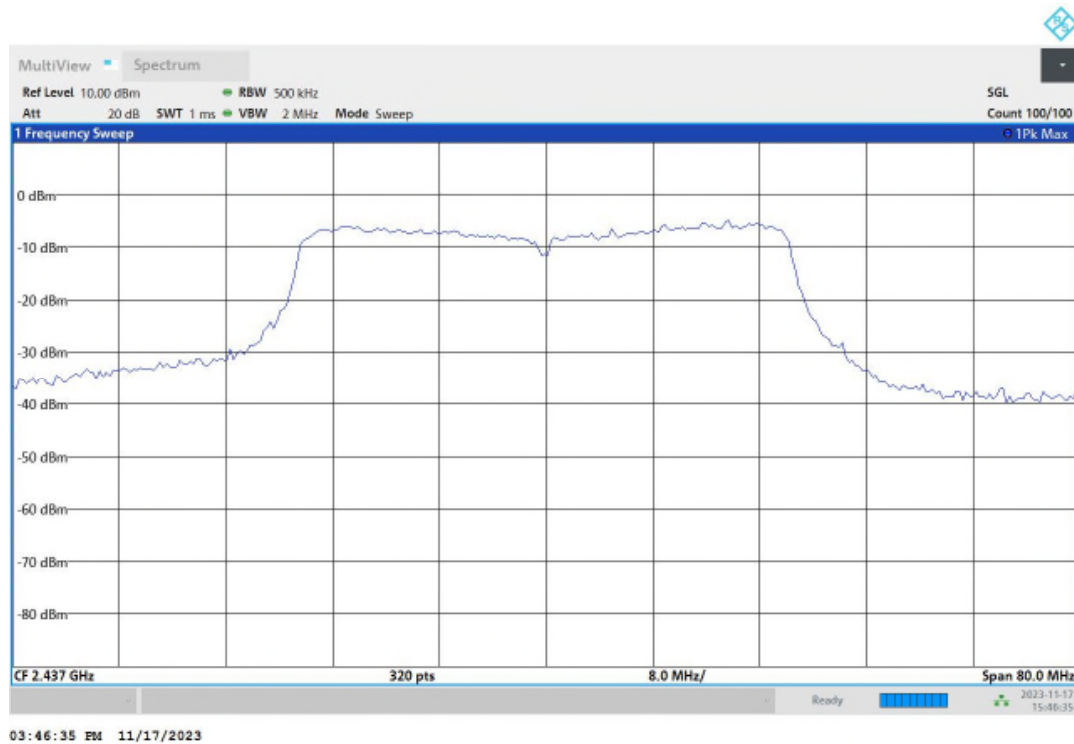
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2437.000000	PASS

99 % Bandwidth



Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.47700 GHz	2.47700 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	35 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.21 dB	0.30 dB

Occupied Channel Bandwidth 99% (2452 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

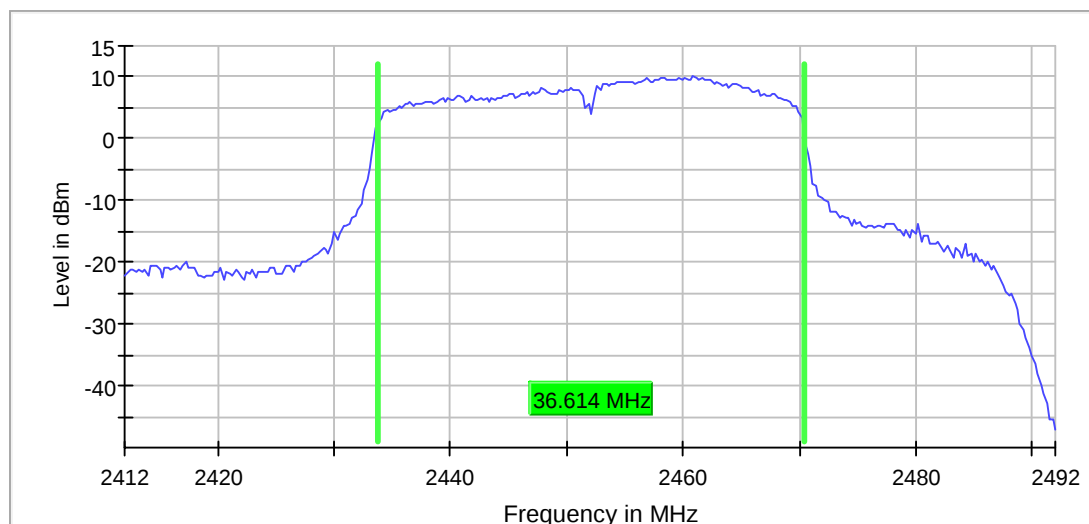
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2452.000000	36.614420	---	---	2433.818182	2470.432602

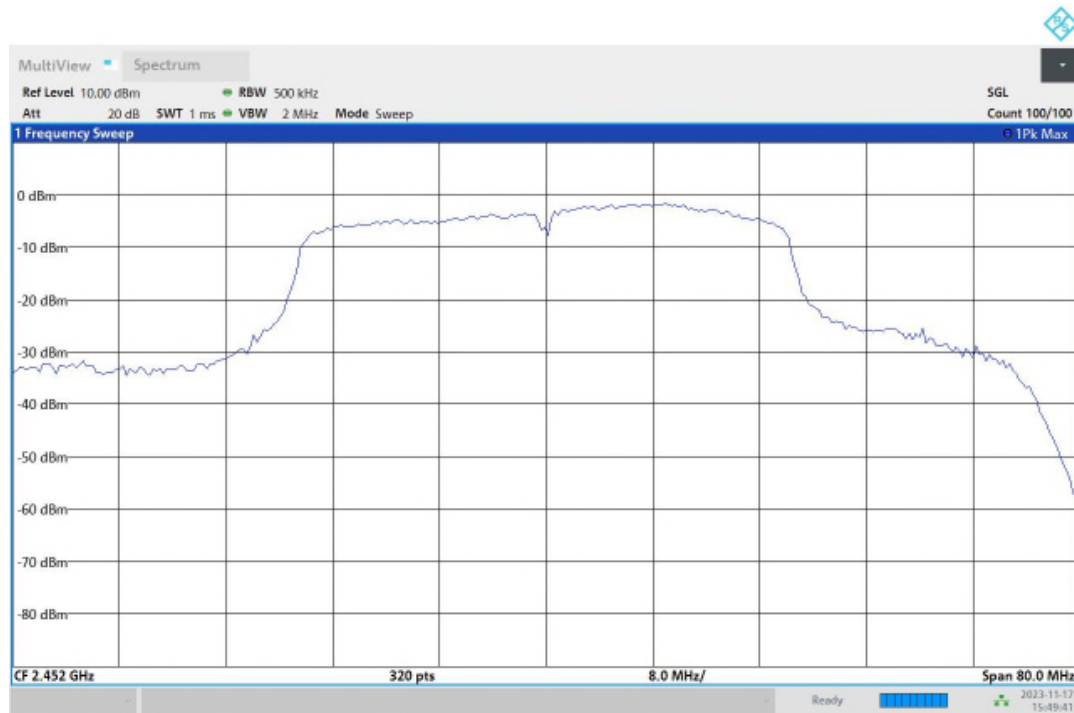
(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2452.000000	PASS

99 % Bandwidth



Bandwidth



03:49:42 PM 11/17/2023

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.41200 GHz	2.41200 GHz
Stop Frequency	2.49200 GHz	2.49200 GHz
Span	80.000 MHz	80.000 MHz
RBW	500.000 kHz	>= 400.000 kHz
VBW	2.000 MHz	>= 1.500 MHz
SweepPoints	320	~ 320
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	55 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.07 dB	0.30 dB

Emissions in non-restricted frequency bands

Tx Spurious Emission (2412 MHz; b-mode [1MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2412.525000	3.5

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

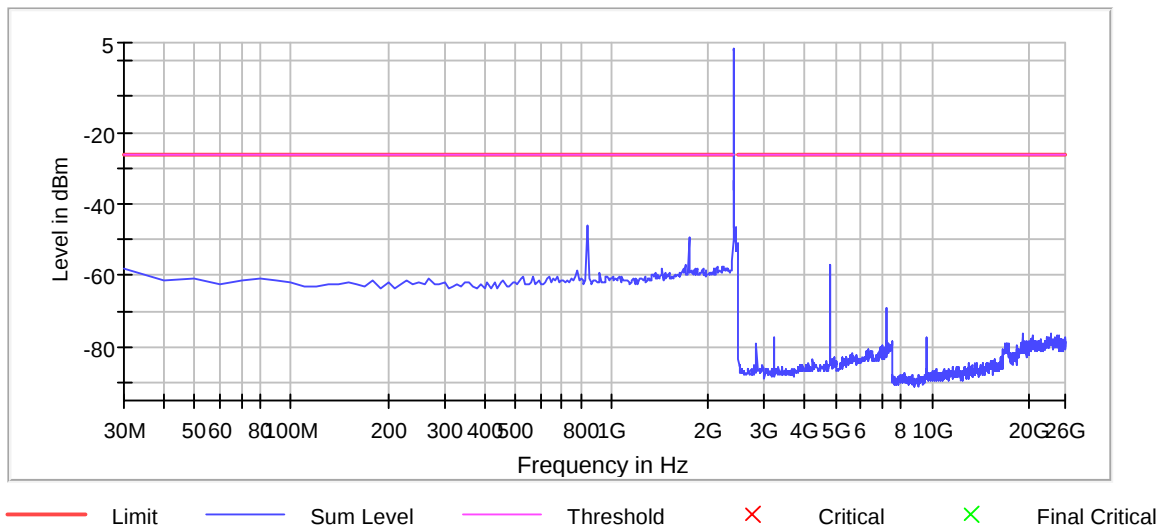
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
840.000000	-46.2	19.6	-26.5
1740.000000	-49.4	22.9	-26.5
2390.000000	-49.8	23.3	-26.5
1750.000000	-50.7	24.1	-26.5
2380.000000	-56.0	29.5	-26.5
1700.000000	-56.9	30.3	-26.5
4823.151786	-57.3	30.8	-26.5
2220.000000	-57.6	31.1	-26.5
2230.000000	-57.7	31.2	-26.5
2130.000000	-57.8	31.2	-26.5
2140.000000	-57.9	31.4	-26.5
2320.000000	-58.0	31.4	-26.5
2310.000000	-58.0	31.4	-26.5
2260.000000	-58.0	31.4	-26.5
2370.000000	-58.0	31.5	-26.5

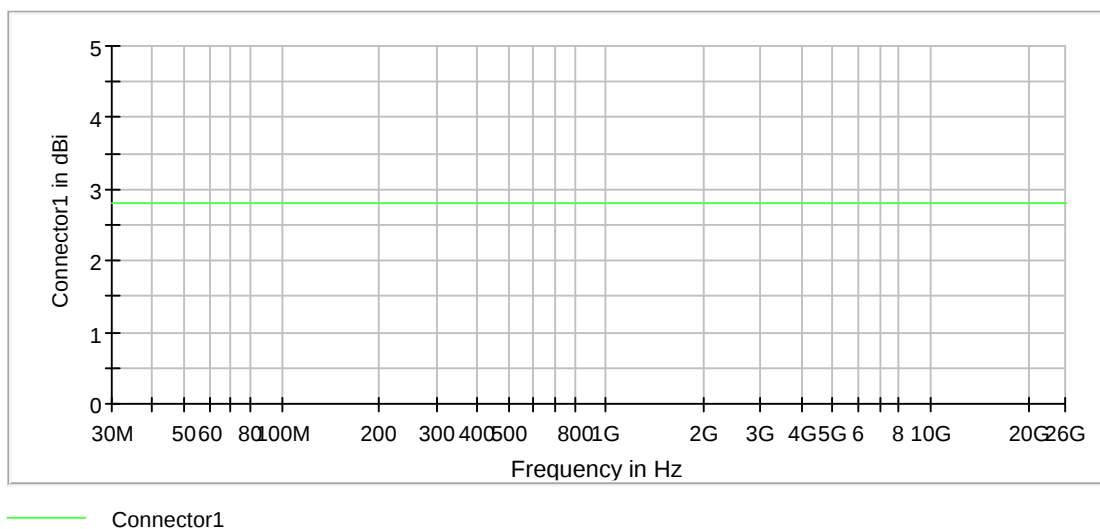
Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

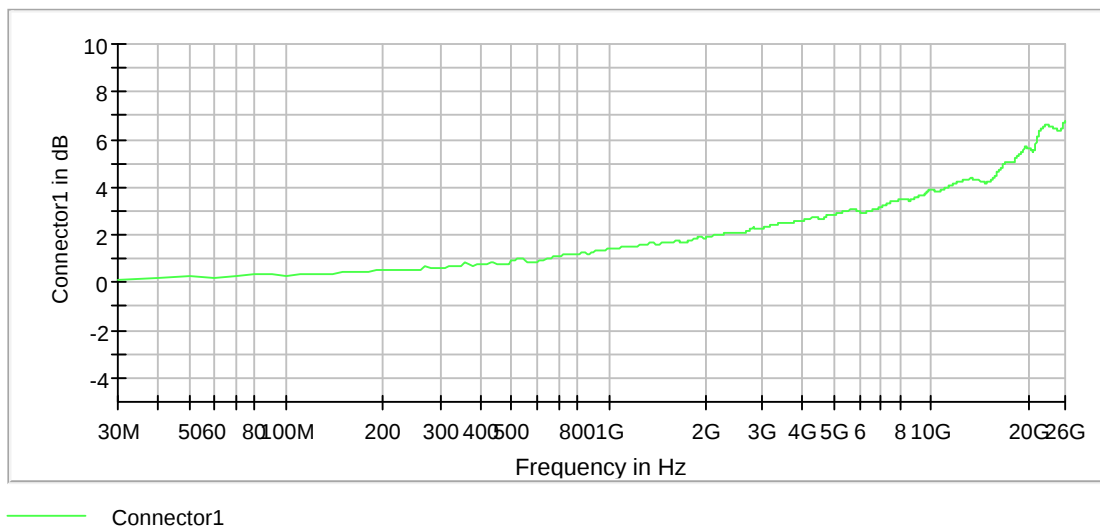
Spurious



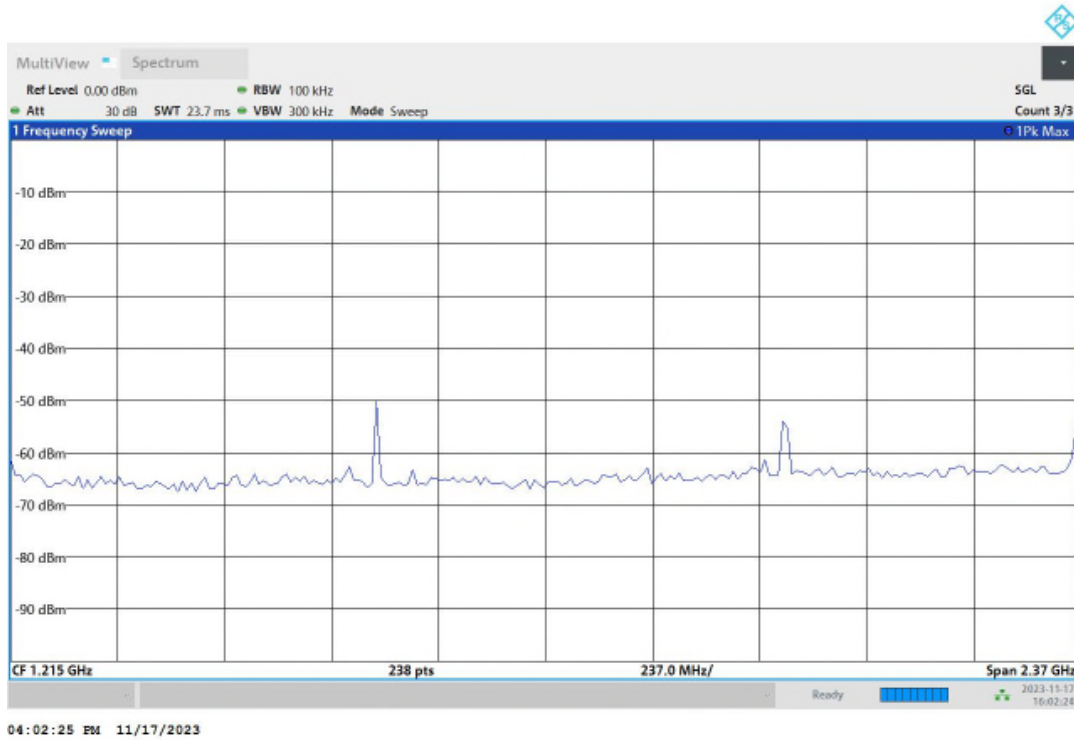
Gain



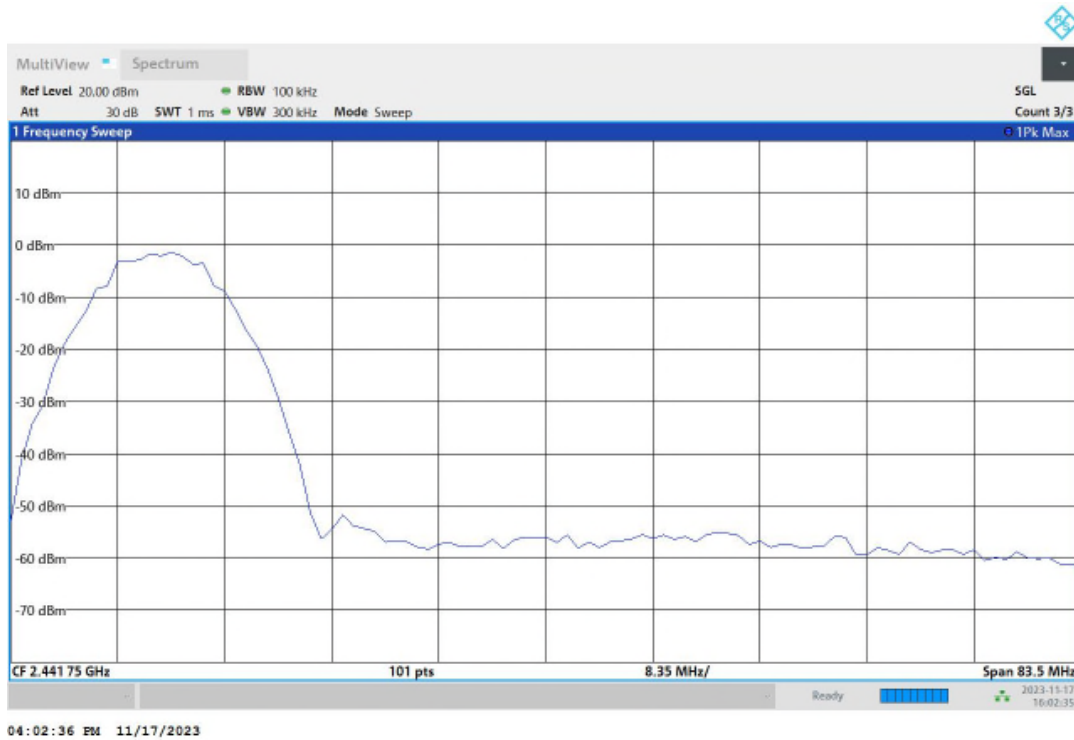
Attenuation



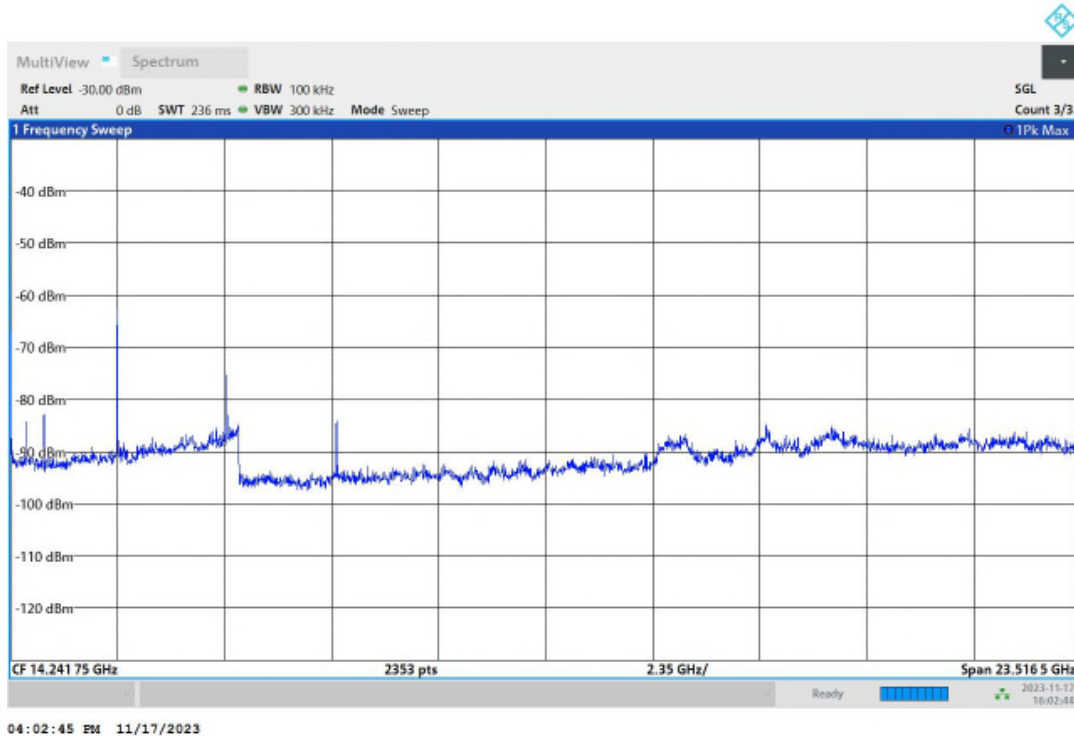
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	0.000 dBm	-30.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	5 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2437 MHz; b-mode [1MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2435.905000	8.6

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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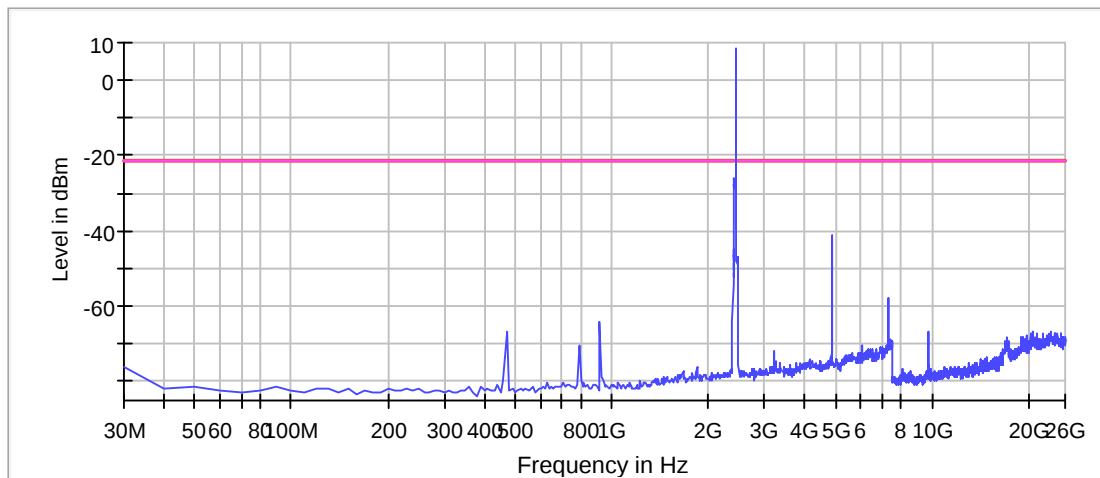
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
4873.144345	-41.3	19.8	-21.4
4863.145833	-53.0	31.6	-21.4
2390.000000	-54.4	32.9	-21.4
7302.782738	-57.9	36.5	-21.4
4883.142857	-58.2	36.7	-21.4
7312.781250	-58.5	37.1	-21.4
920.000000	-63.9	42.4	-21.4
2380.000000	-64.4	42.9	-21.4
470.000000	-66.6	45.1	-21.4
23510.370536	-66.6	45.1	-21.4
20520.815476	-66.8	45.4	-21.4
9742.419643	-66.9	45.5	-21.4
21340.693452	-67.0	45.6	-21.4
20410.831845	-67.0	45.6	-21.4
23590.358631	-67.1	45.6	-21.4

Measurement Settings

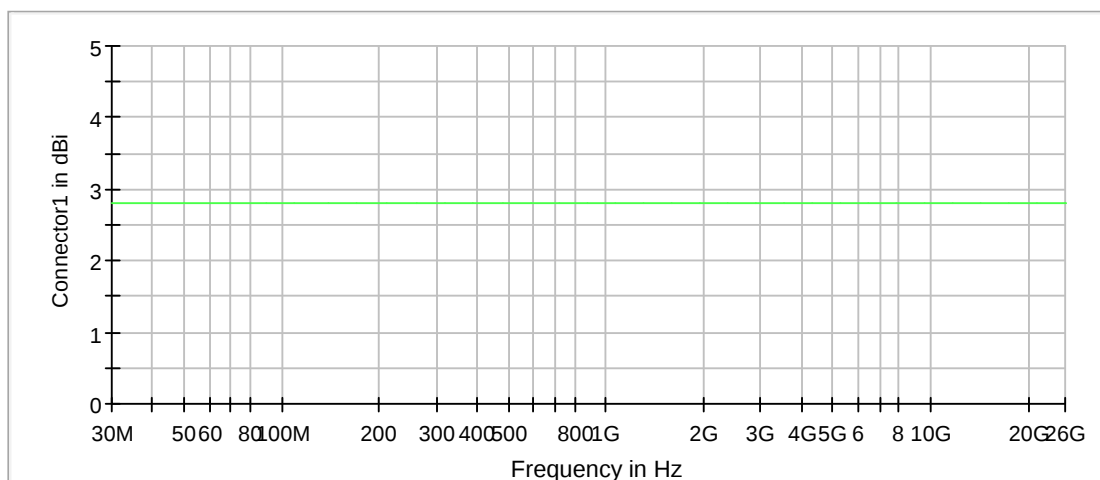
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



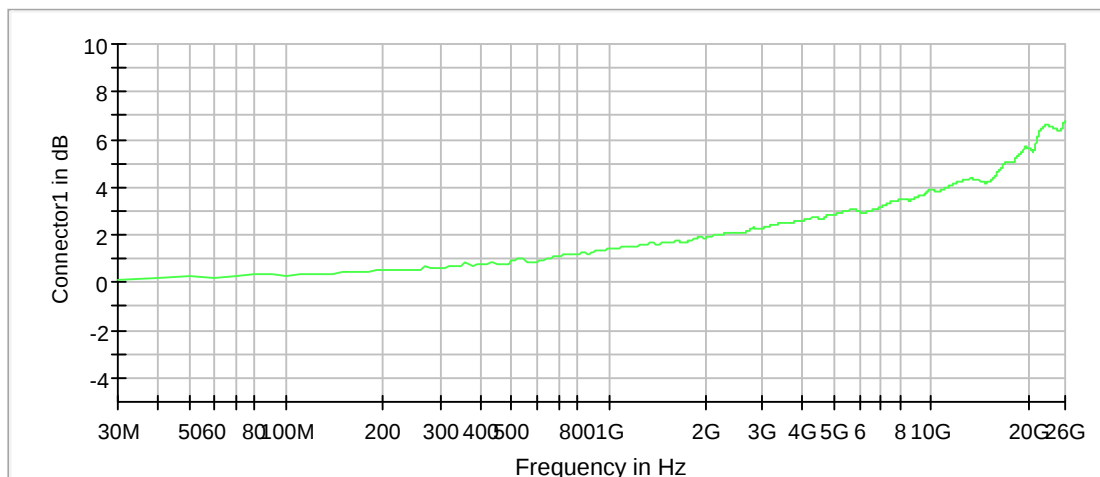
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



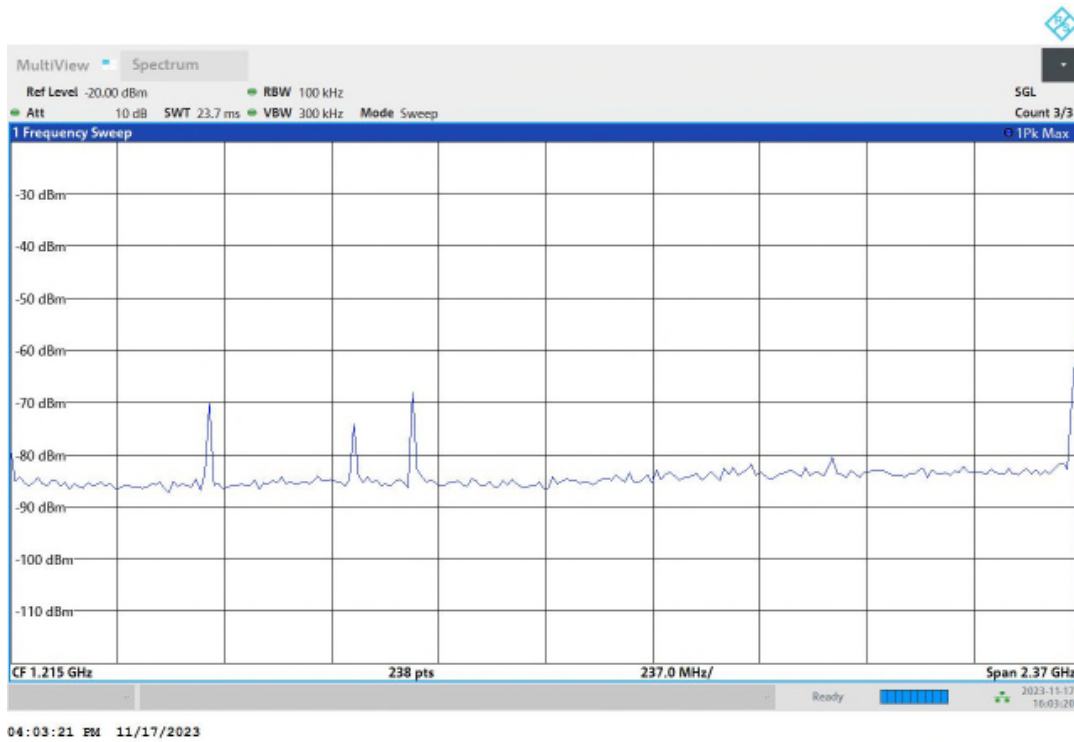
— Connector1

Attenuation

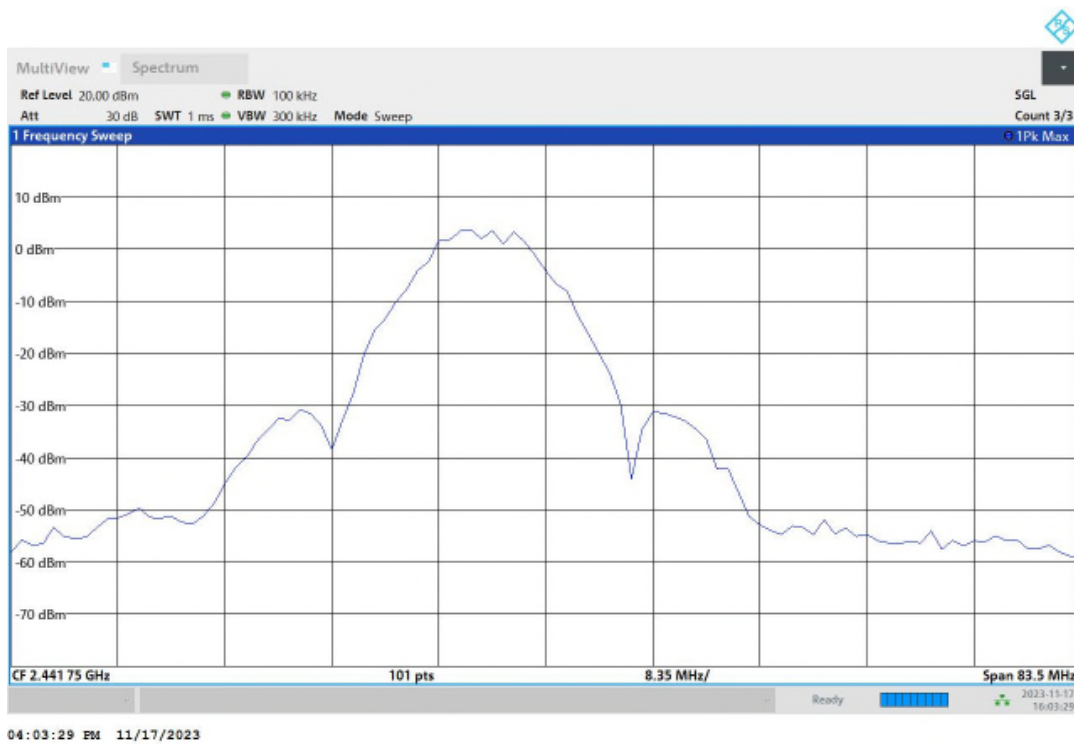


— Connector1

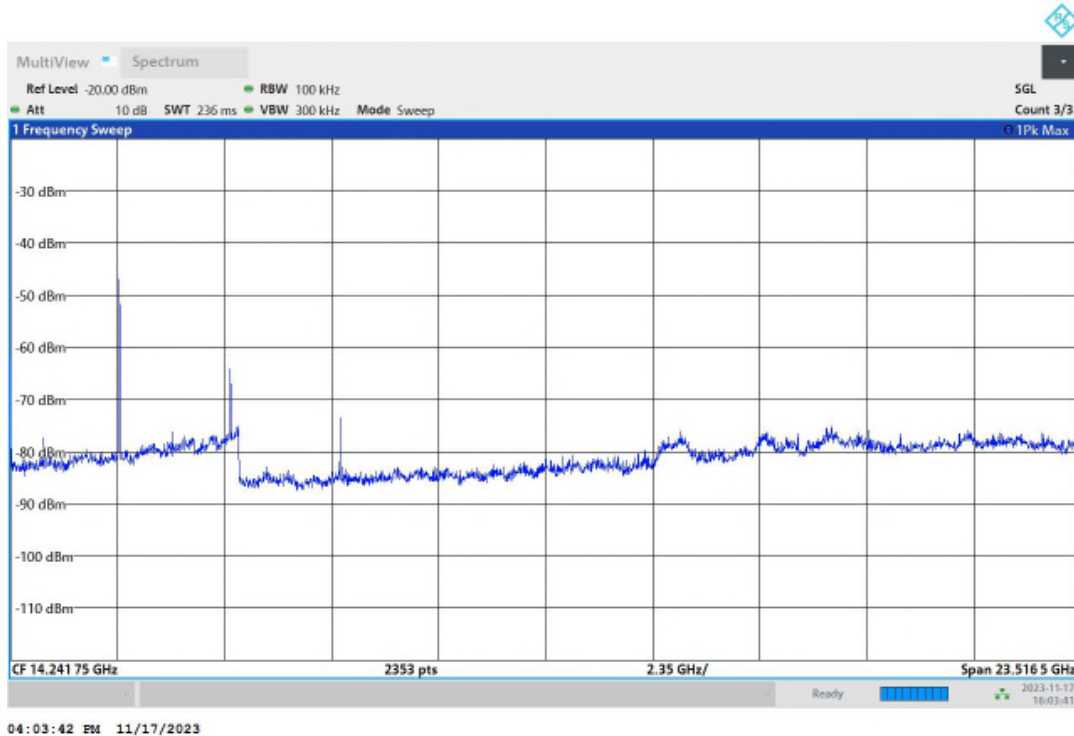
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	6 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2462 MHz; b-mode [1MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2460.955000	13.5

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

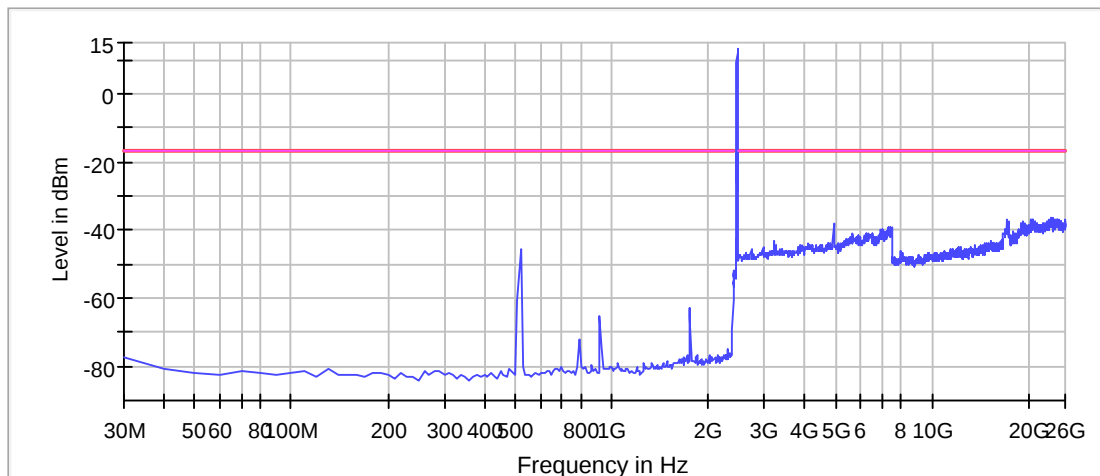
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
23610.355655	-36.1	19.5	-16.5
23680.345238	-36.2	19.6	-16.5
23400.386905	-36.7	20.2	-16.5
24730.188988	-36.7	20.2	-16.5
23450.379464	-36.7	20.2	-16.5
25860.020833	-36.8	20.3	-16.5
24150.275298	-36.9	20.4	-16.5
24740.187500	-36.9	20.4	-16.5
20520.815476	-36.9	20.4	-16.5
20580.806548	-37.0	20.4	-16.5
17141.318452	-37.0	20.5	-16.5
20440.827381	-37.0	20.5	-16.5
23490.373512	-37.0	20.5	-16.5
23420.383929	-37.0	20.5	-16.5
20480.821429	-37.1	20.5	-16.5

Measurement Settings

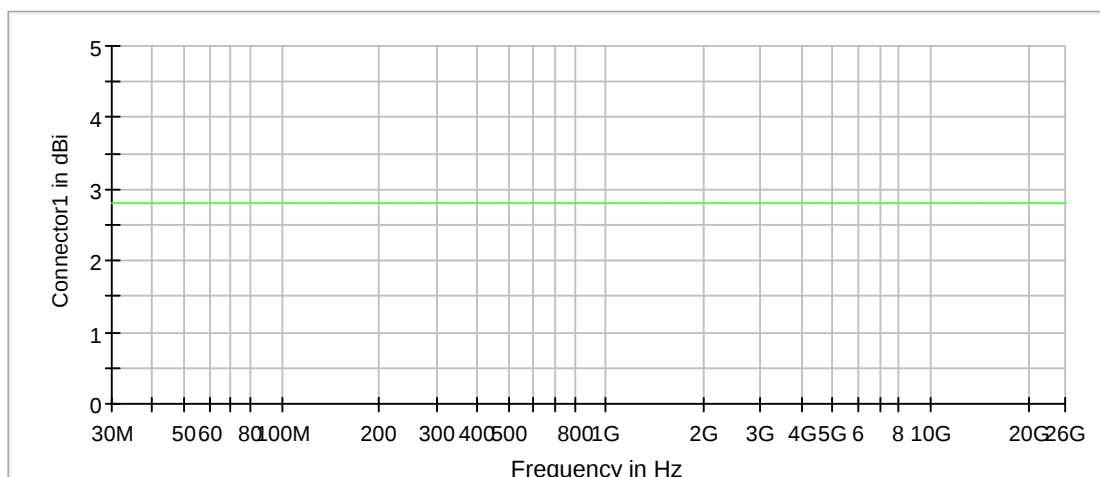
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



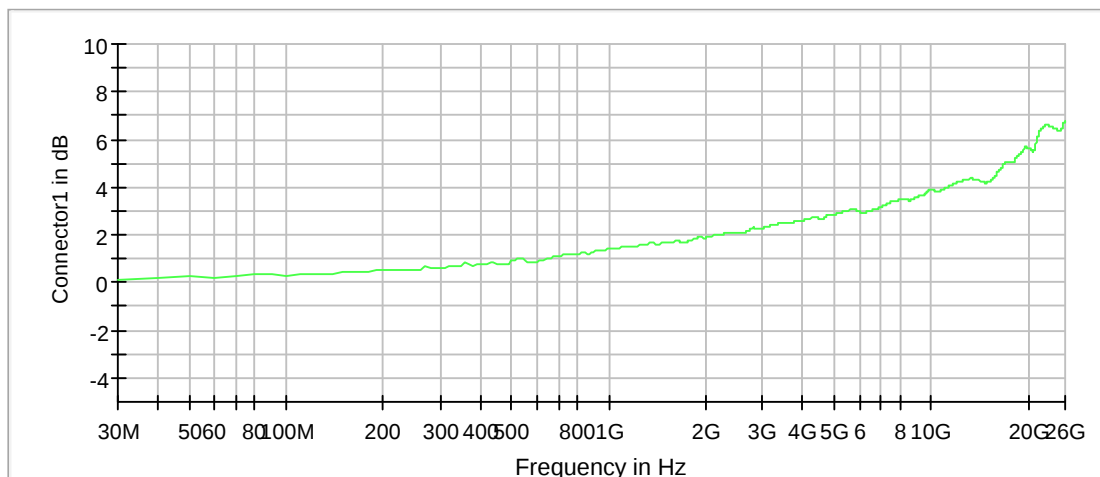
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



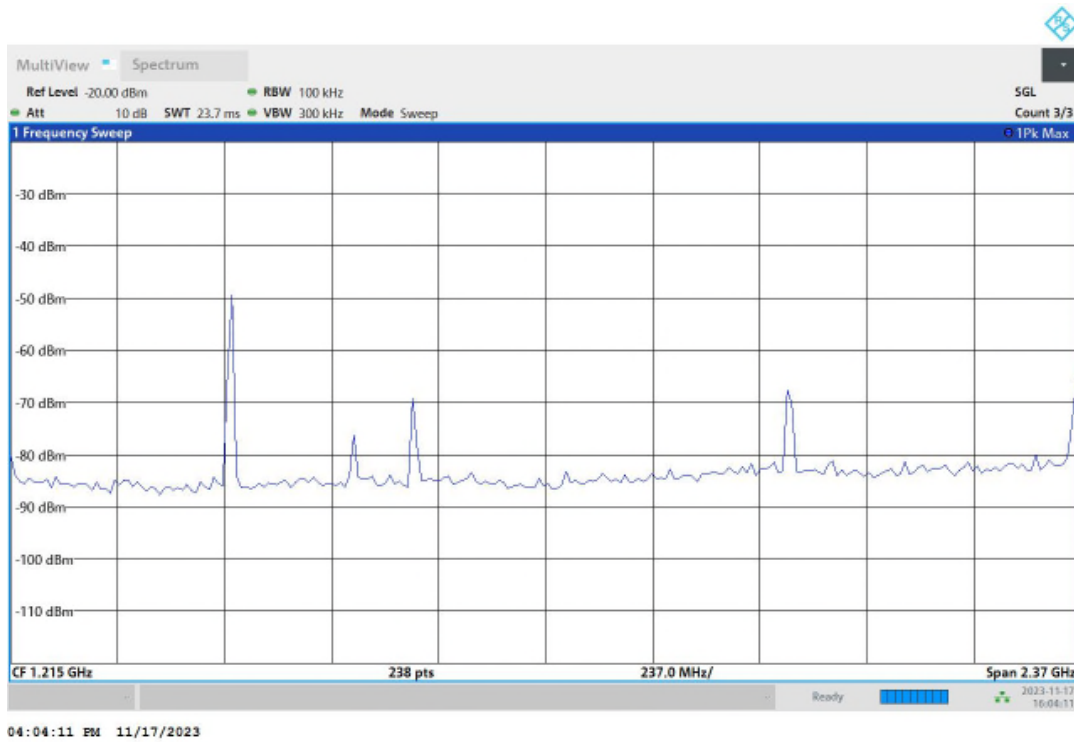
— Connector1

Attenuation

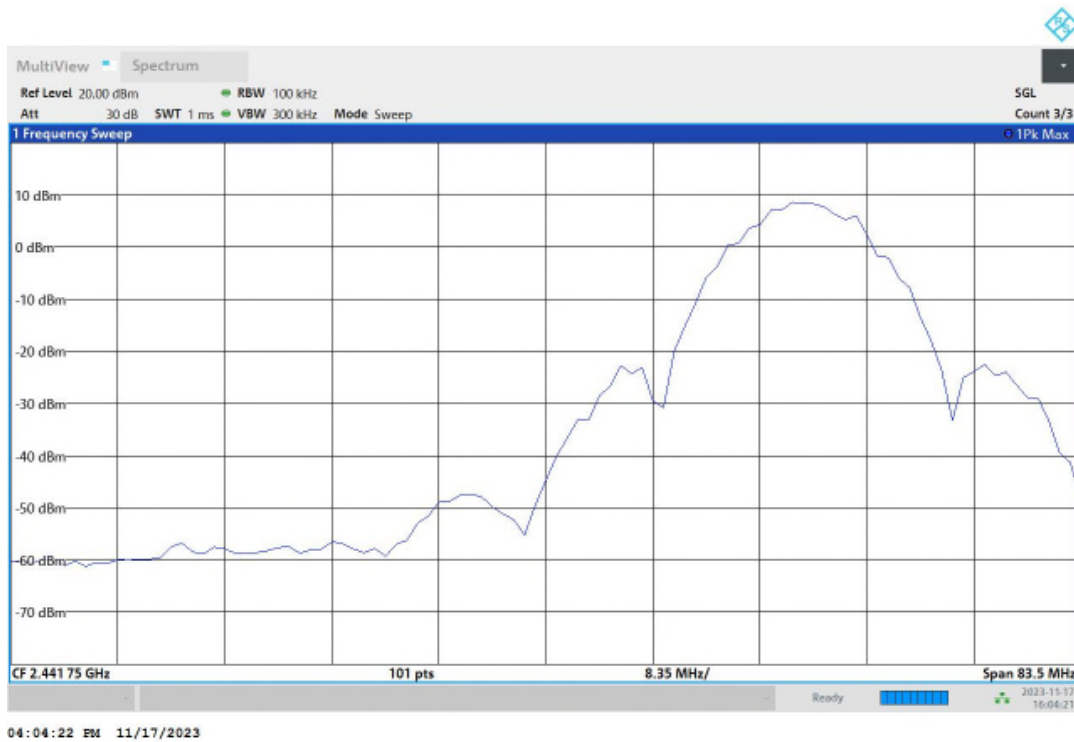


— Connector1

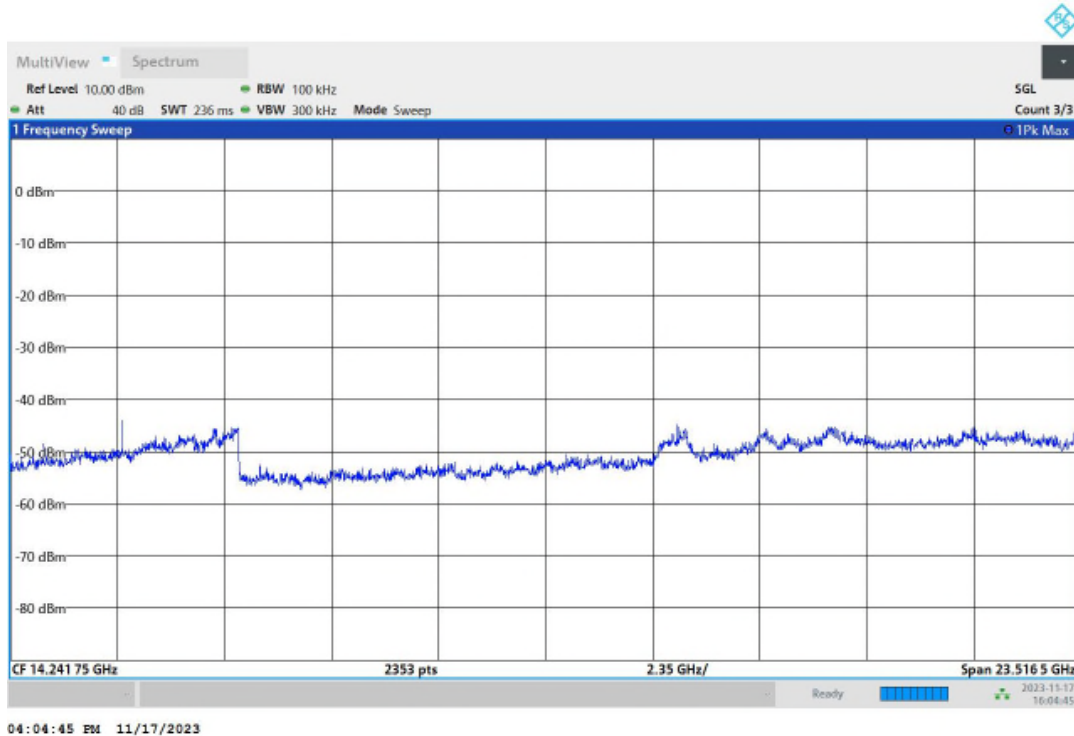
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2412 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2412.525000	-1.8

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

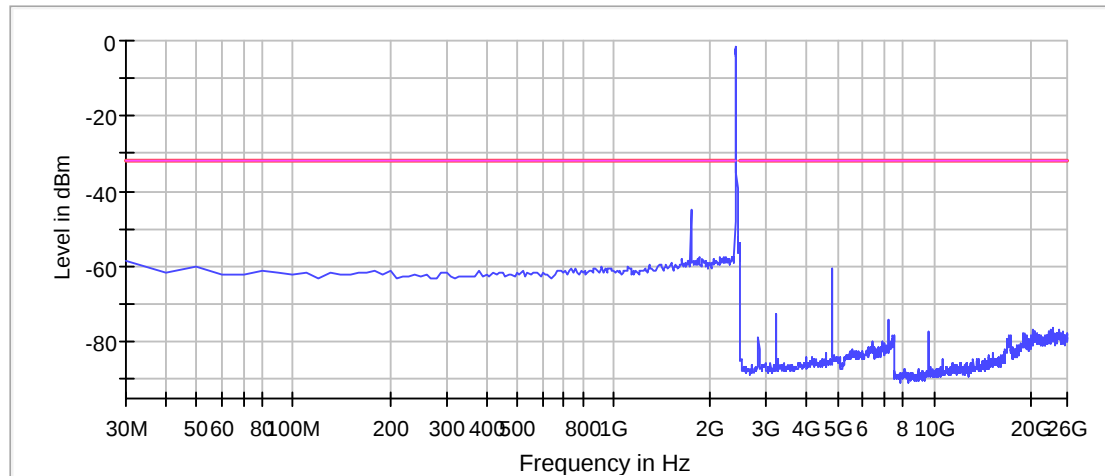
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1740.000000	-45.0	13.2	-31.8
2390.000000	-48.1	16.3	-31.8
2380.000000	-56.8	25.0	-31.8
1750.000000	-57.0	25.2	-31.8
2200.000000	-57.3	25.5	-31.8
2250.000000	-57.3	25.5	-31.8
2360.000000	-57.5	25.7	-31.8
1850.000000	-57.5	25.7	-31.8
2240.000000	-57.6	25.8	-31.8
2150.000000	-57.7	25.9	-31.8
2340.000000	-57.7	25.9	-31.8
2290.000000	-57.8	26.0	-31.8
1630.000000	-57.9	26.1	-31.8
2180.000000	-57.9	26.1	-31.8
2050.000000	-58.0	26.2	-31.8

Measurement Settings

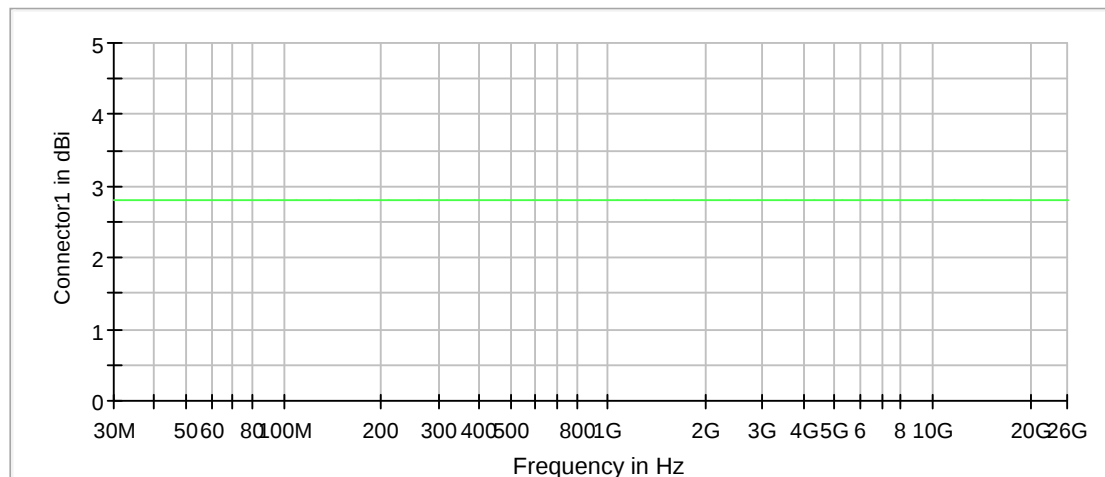
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



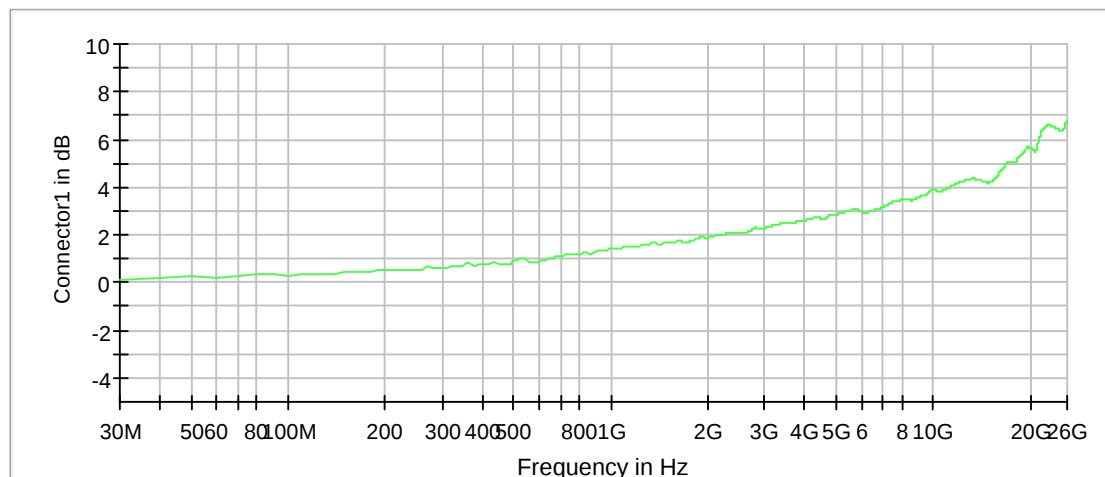
— Limit
 — Sum Level
 — Threshold
 × Critical
 × Final Critical

Gain



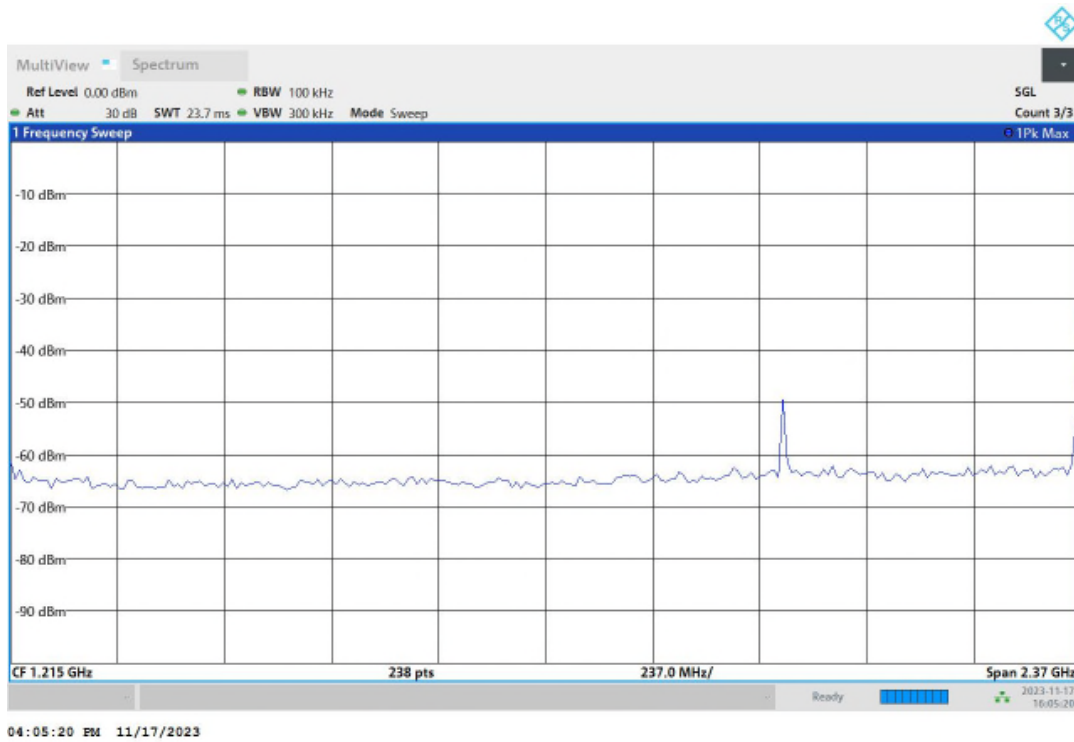
— Connector1

Attenuation

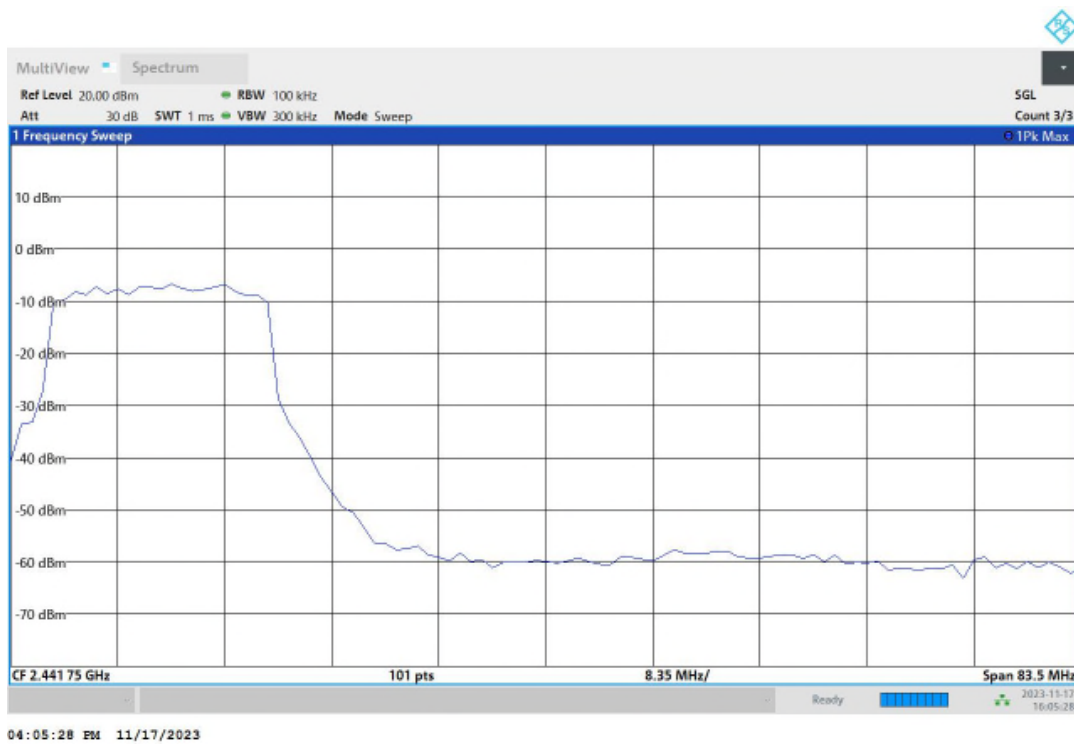


— Connector1

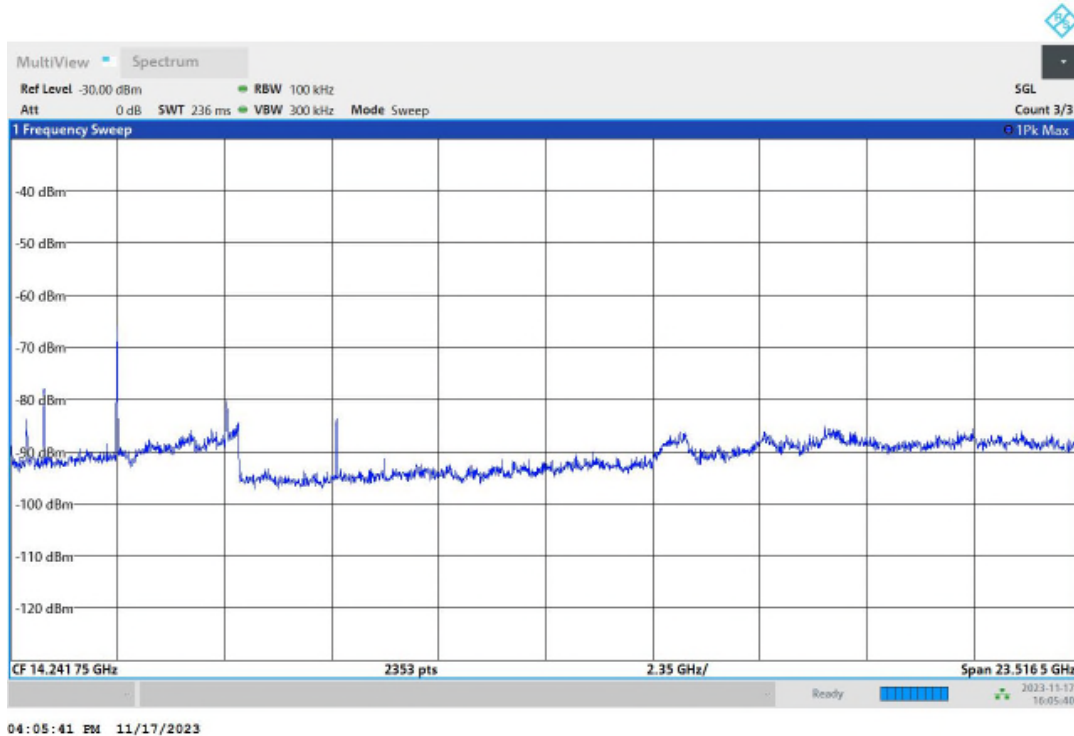
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	0.000 dBm	-30.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2437 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2432.565000	2.5

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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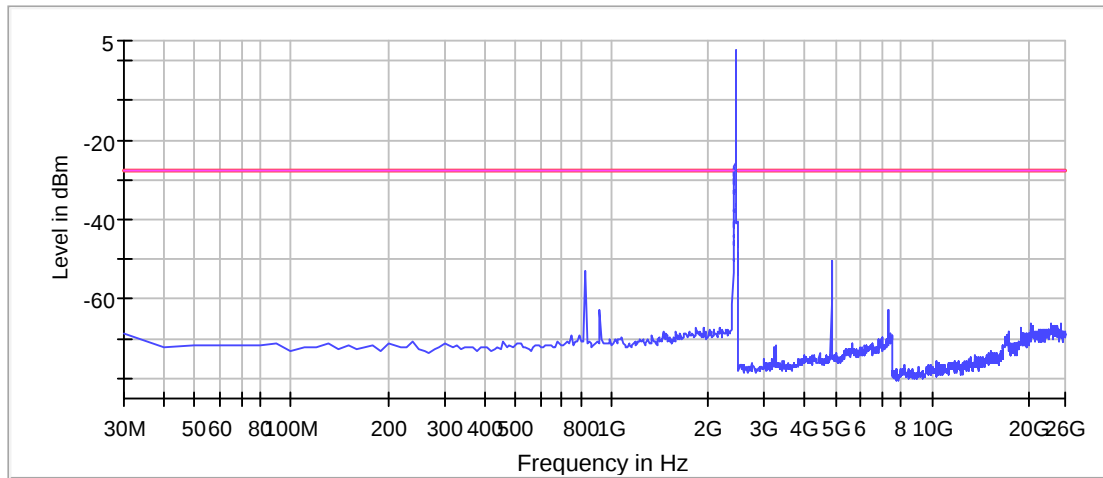
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
4873.144345	-50.2	22.7	-27.5
830.000000	-53.0	25.6	-27.5
2390.000000	-53.5	26.0	-27.5
4863.145833	-54.3	26.8	-27.5
4883.142857	-55.4	27.9	-27.5
4853.147321	-60.3	32.9	-27.5
2380.000000	-61.4	34.0	-27.5
7312.781250	-62.6	35.1	-27.5
920.000000	-62.7	35.3	-27.5
7302.782738	-62.8	35.3	-27.5
7292.784226	-63.5	36.1	-27.5
7322.779762	-64.6	37.2	-27.5
20460.824405	-66.2	38.8	-27.5
23380.389881	-66.4	38.9	-27.5
25350.096726	-66.4	39.0	-27.5

Measurement Settings

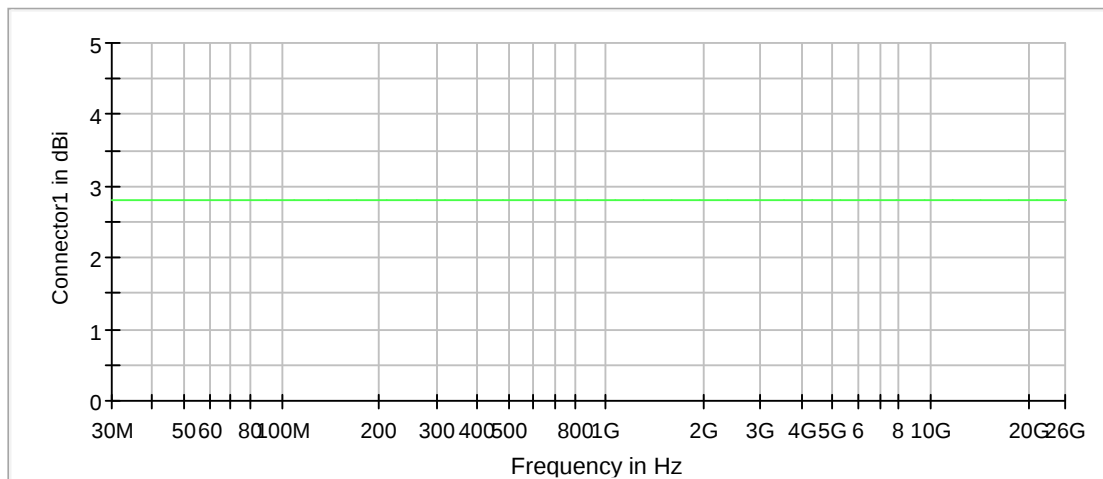
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



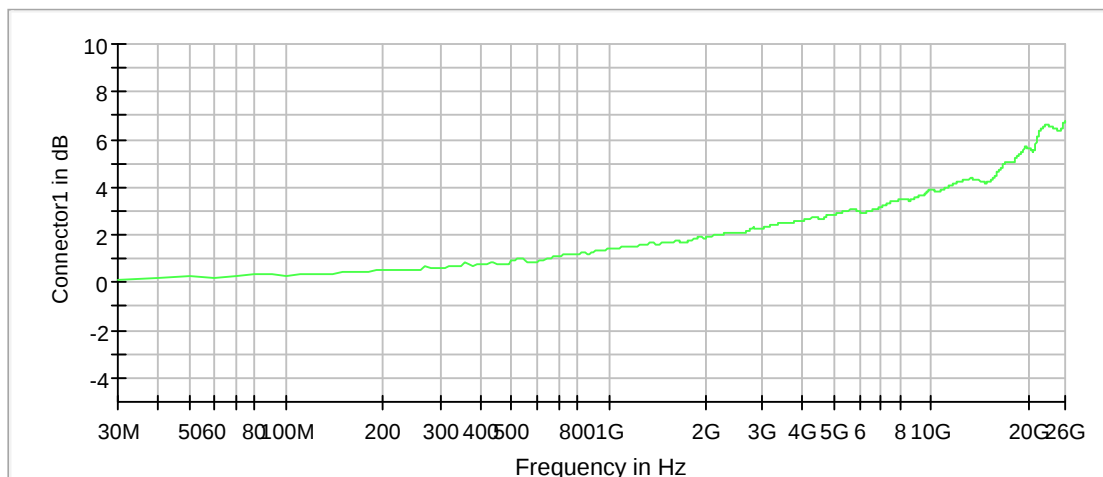
— Limit
 — Sum Level
 — Threshold
 × Critical
 × Final Critical

Gain



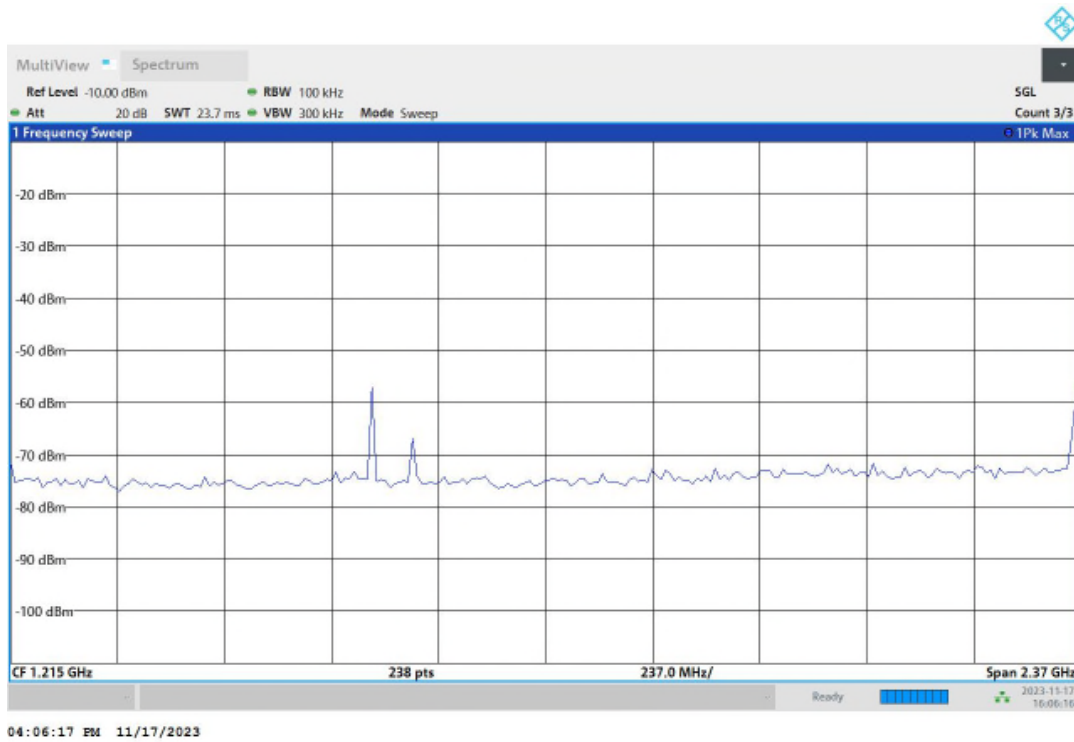
— Connector1

Attenuation

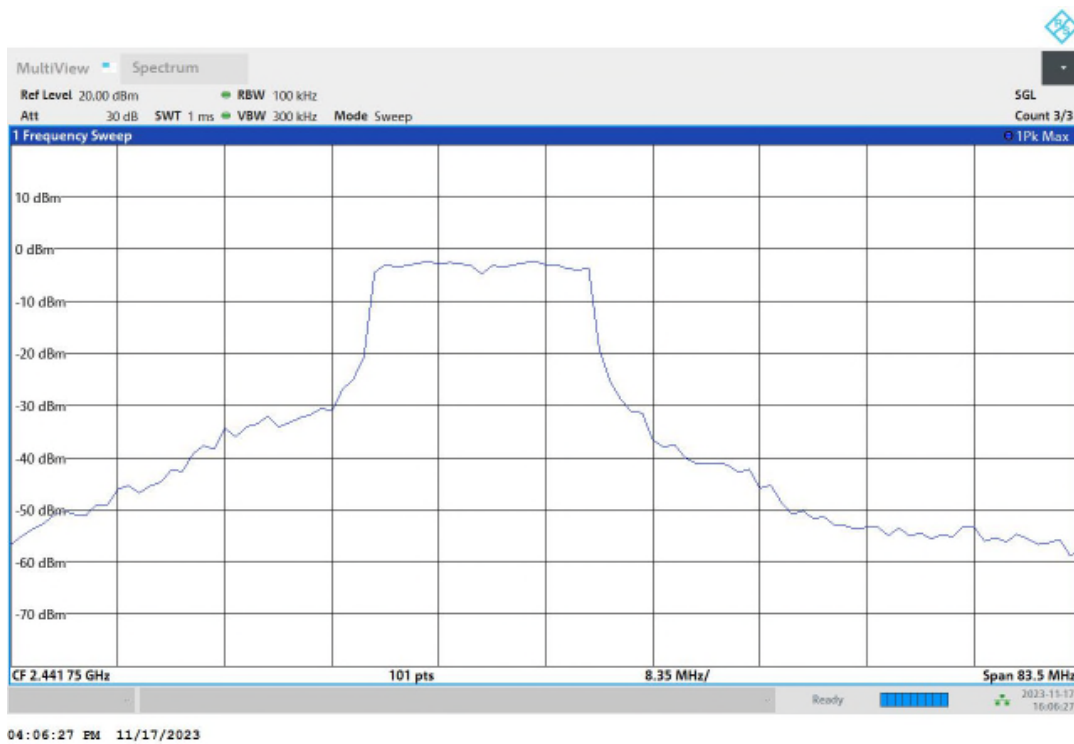


— Connector1

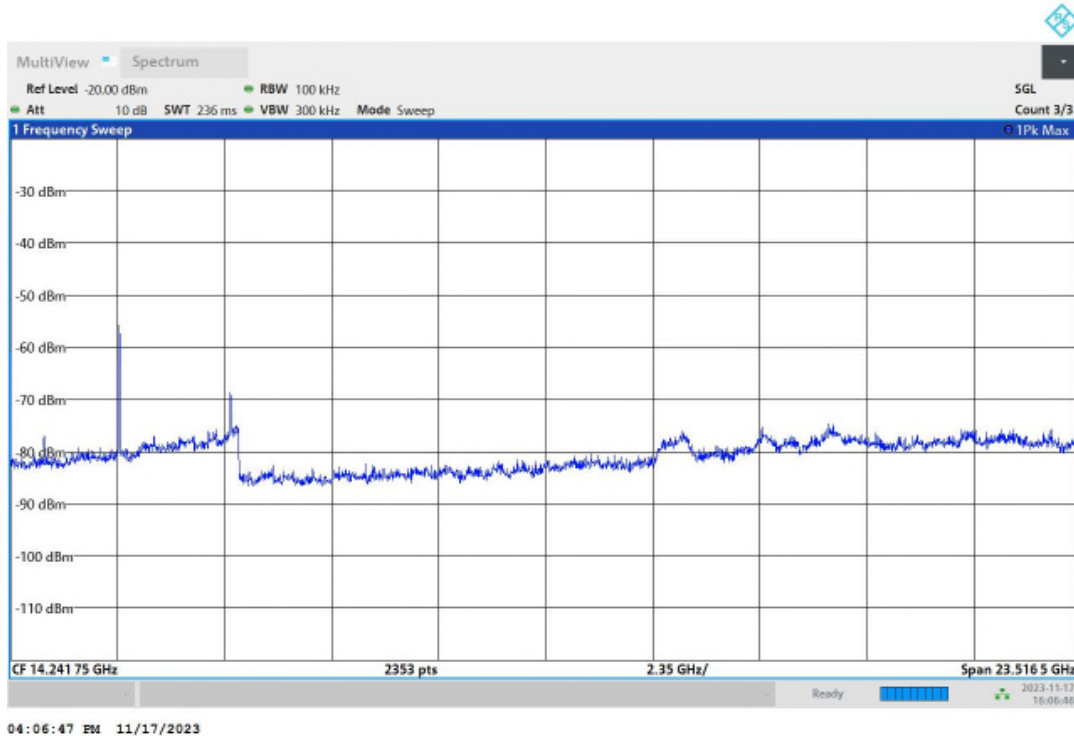
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-10.000 dBm	-30.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2462 MHz; g-mode [6MBps] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2454.275000	8.2

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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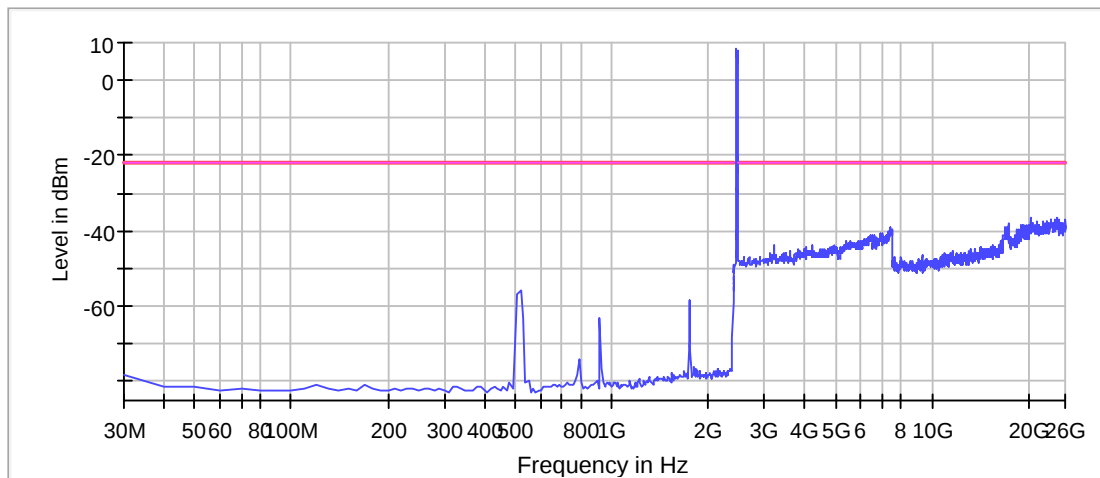
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
20460.824405	-36.4	14.6	-21.8
24640.202381	-36.7	14.9	-21.8
24580.211310	-36.8	15.0	-21.8
20420.830357	-36.9	15.2	-21.8
23410.385417	-37.0	15.2	-21.8
25830.025298	-37.1	15.3	-21.8
24780.181548	-37.2	15.4	-21.8
24310.251488	-37.2	15.4	-21.8
23530.367560	-37.2	15.5	-21.8
24520.220238	-37.3	15.6	-21.8
24280.255952	-37.3	15.6	-21.8
24660.199405	-37.4	15.6	-21.8
23510.370536	-37.4	15.7	-21.8
23450.379464	-37.5	15.7	-21.8
22980.449405	-37.5	15.7	-21.8

Measurement Settings

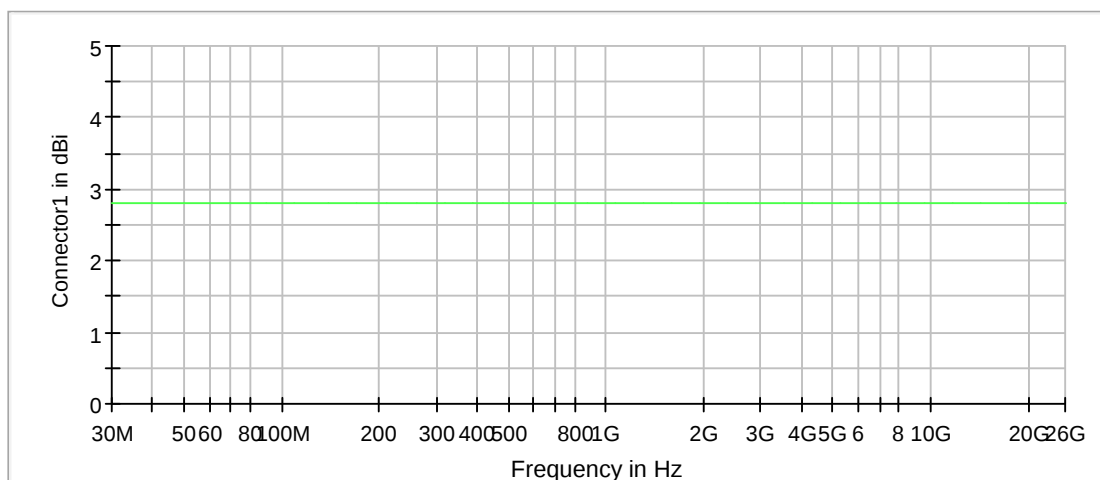
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



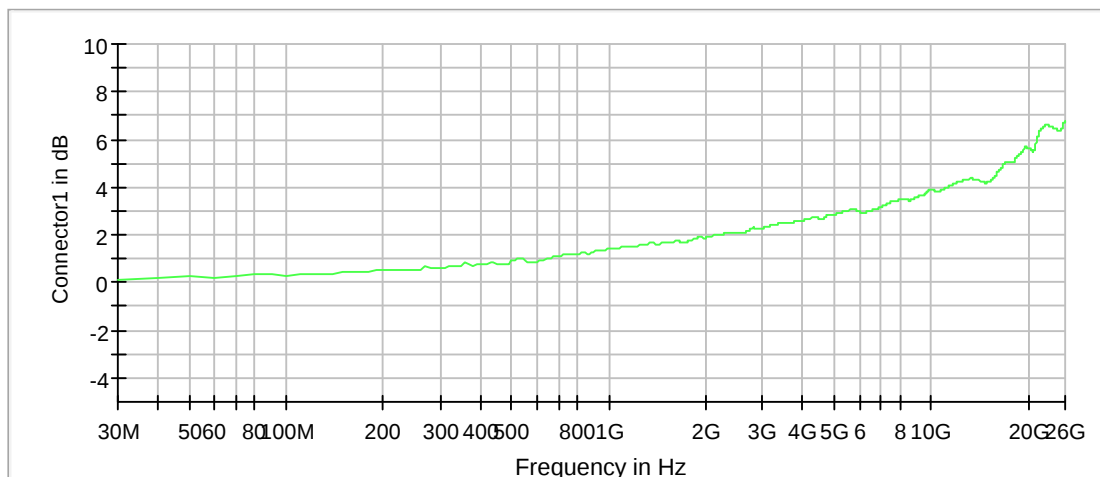
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



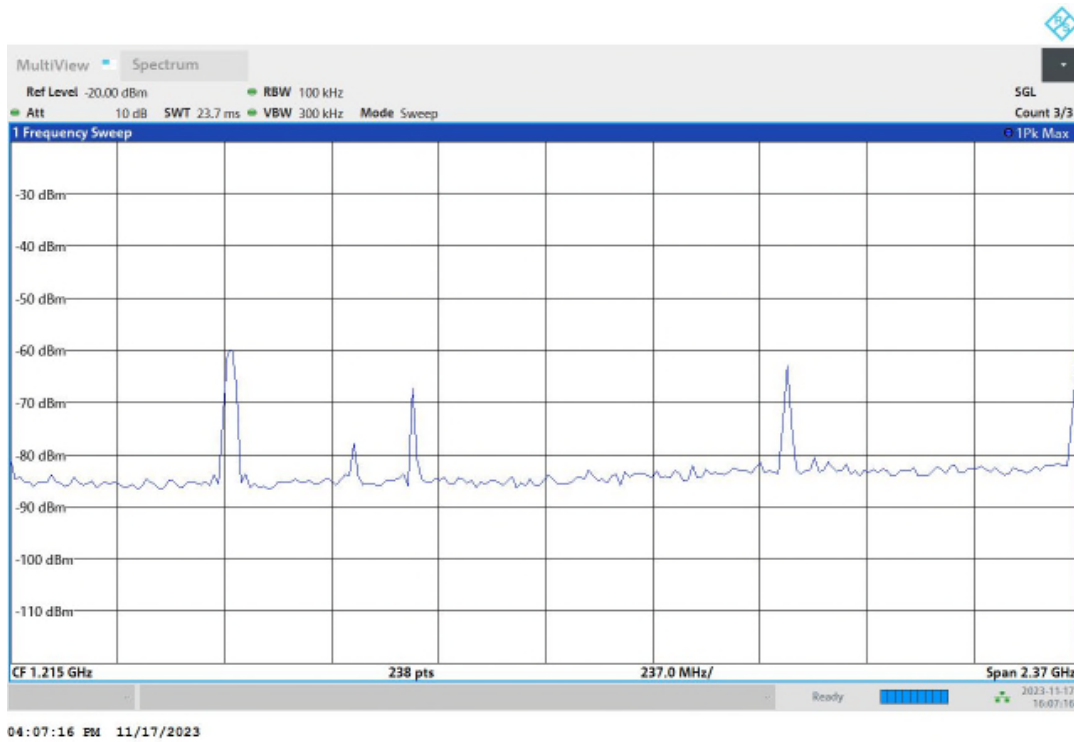
— Connector1

Attenuation

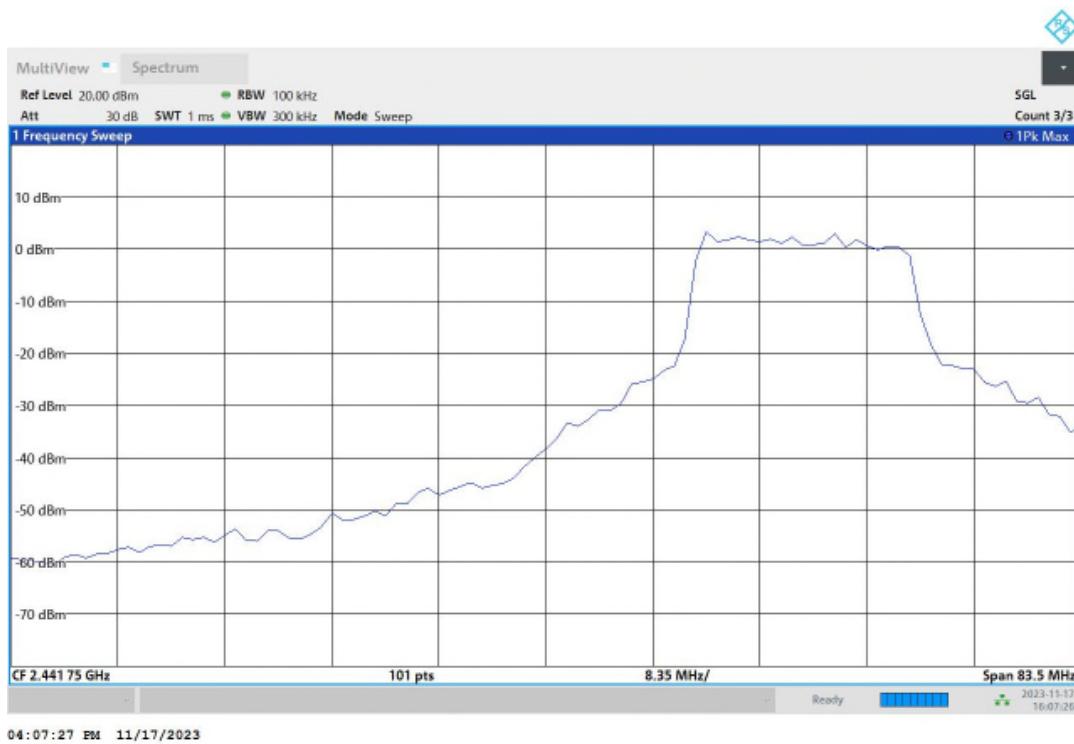


— Connector1

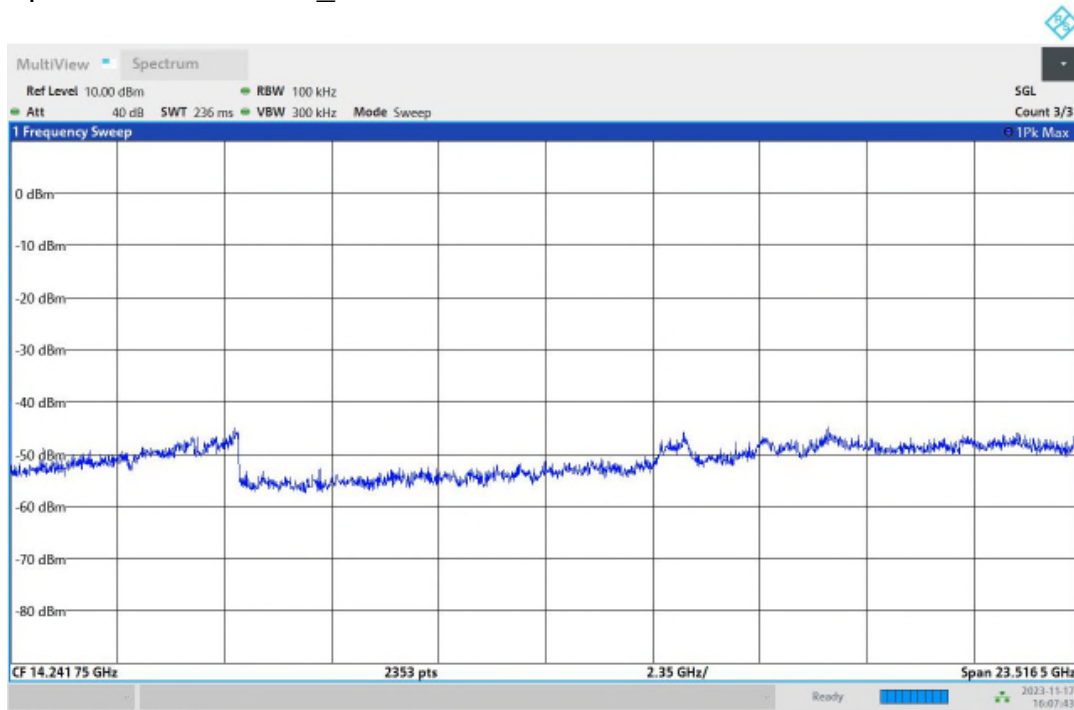
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



04:07:43 PM 11/17/2023

Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	11 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2412 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2412.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2412.525000	0.5

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
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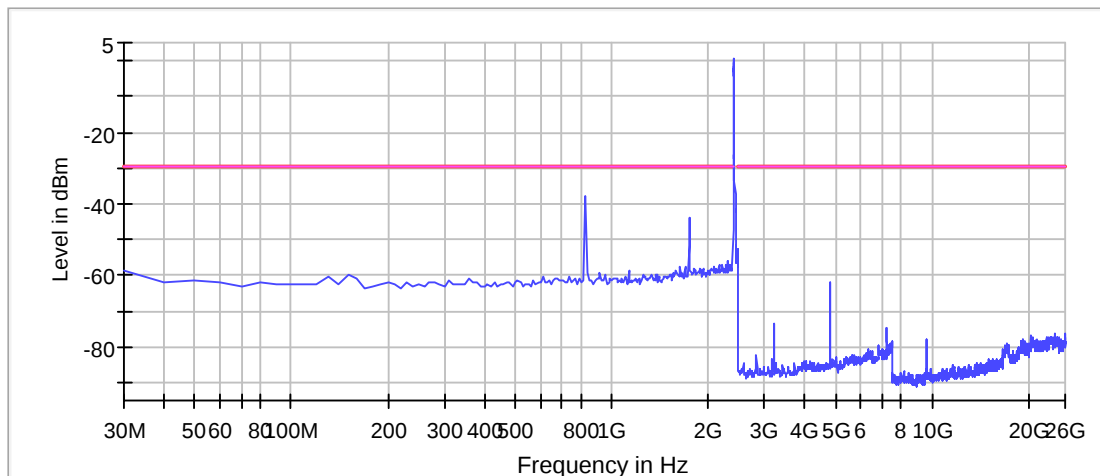
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
830.000000	-38.1	8.6	-29.5
1750.000000	-43.7	14.2	-29.5
2390.000000	-47.1	17.6	-29.5
1740.000000	-51.3	21.8	-29.5
2310.000000	-55.9	26.4	-29.5
2280.000000	-56.8	27.3	-29.5
2220.000000	-57.1	27.6	-29.5
2160.000000	-57.1	27.6	-29.5
2340.000000	-57.2	27.7	-29.5
1640.000000	-57.4	27.9	-29.5
2320.000000	-57.5	28.0	-29.5
2380.000000	-57.6	28.1	-29.5
1700.000000	-57.6	28.1	-29.5
2080.000000	-57.7	28.2	-29.5
2300.000000	-57.9	28.4	-29.5

Measurement Settings

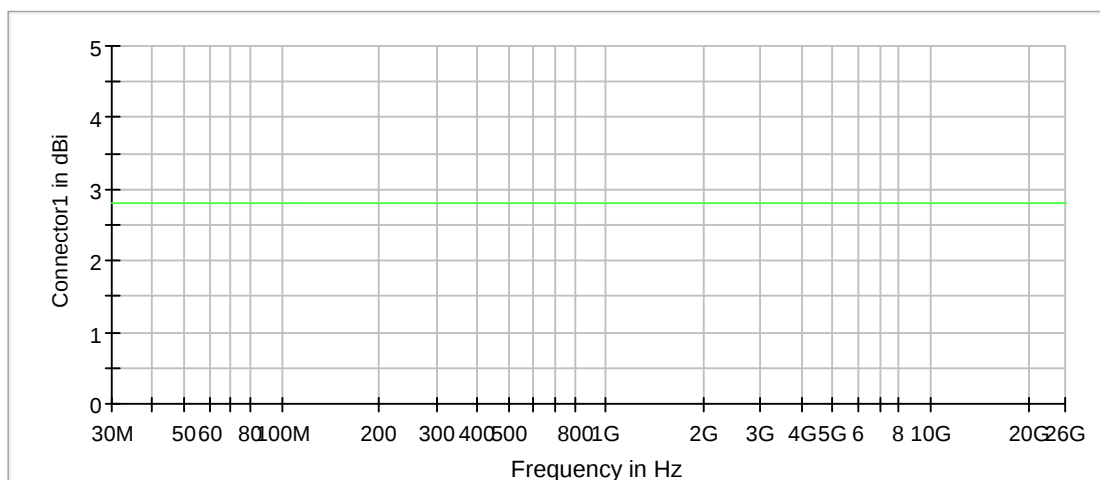
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



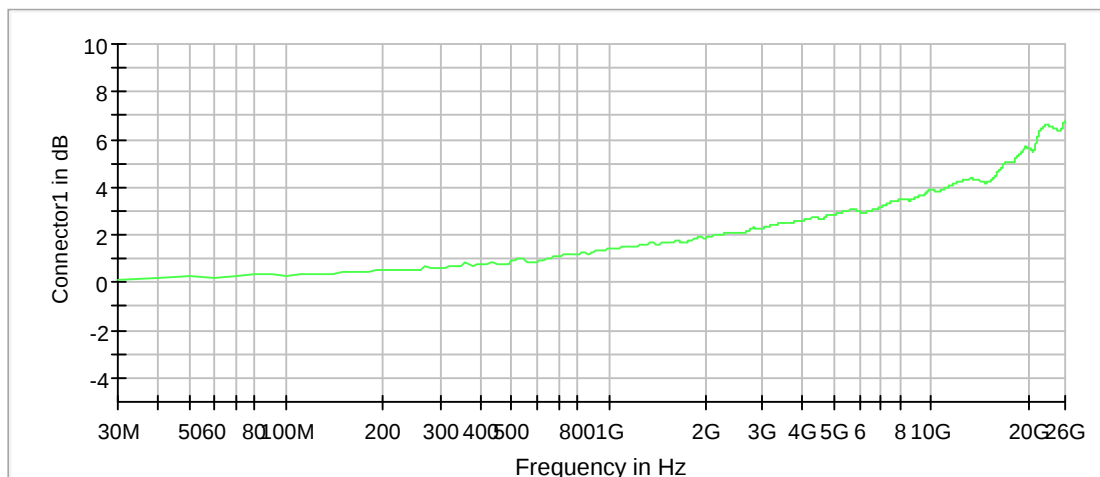
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



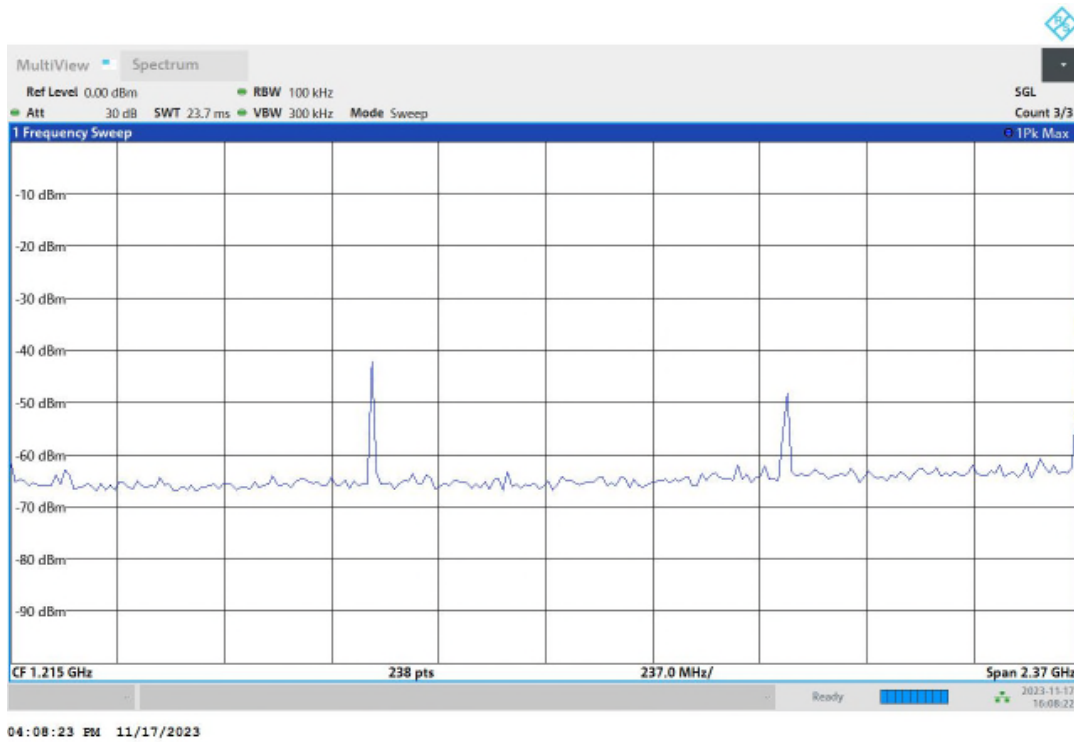
— Connector1

Attenuation

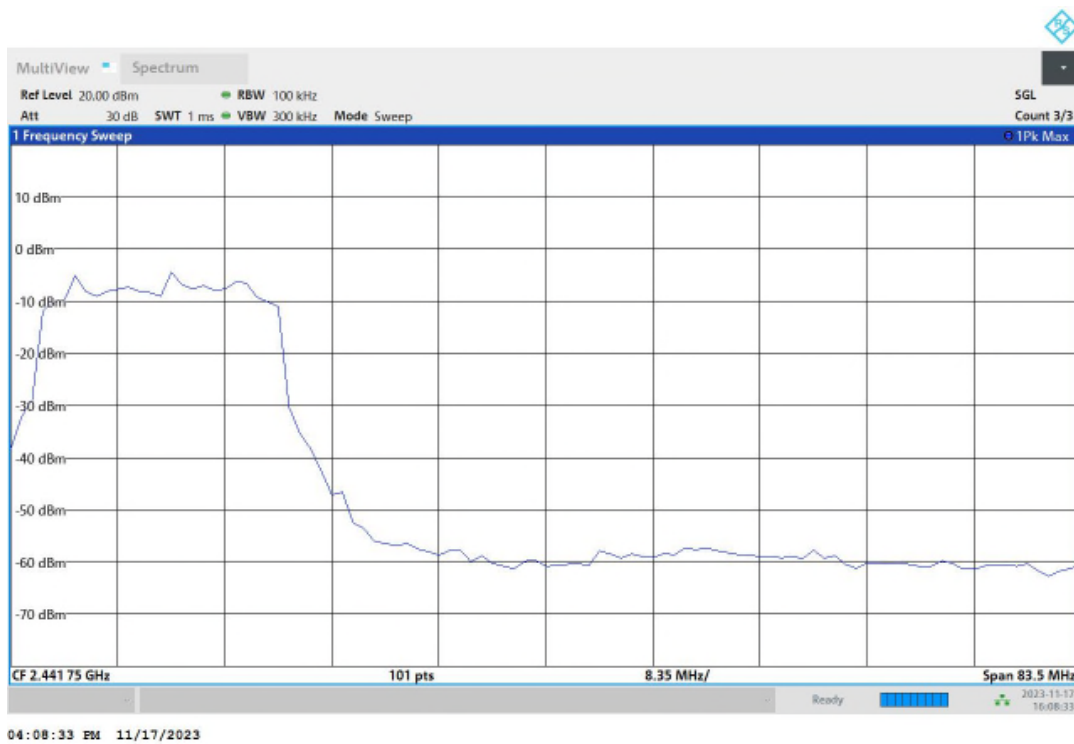


— Connector1

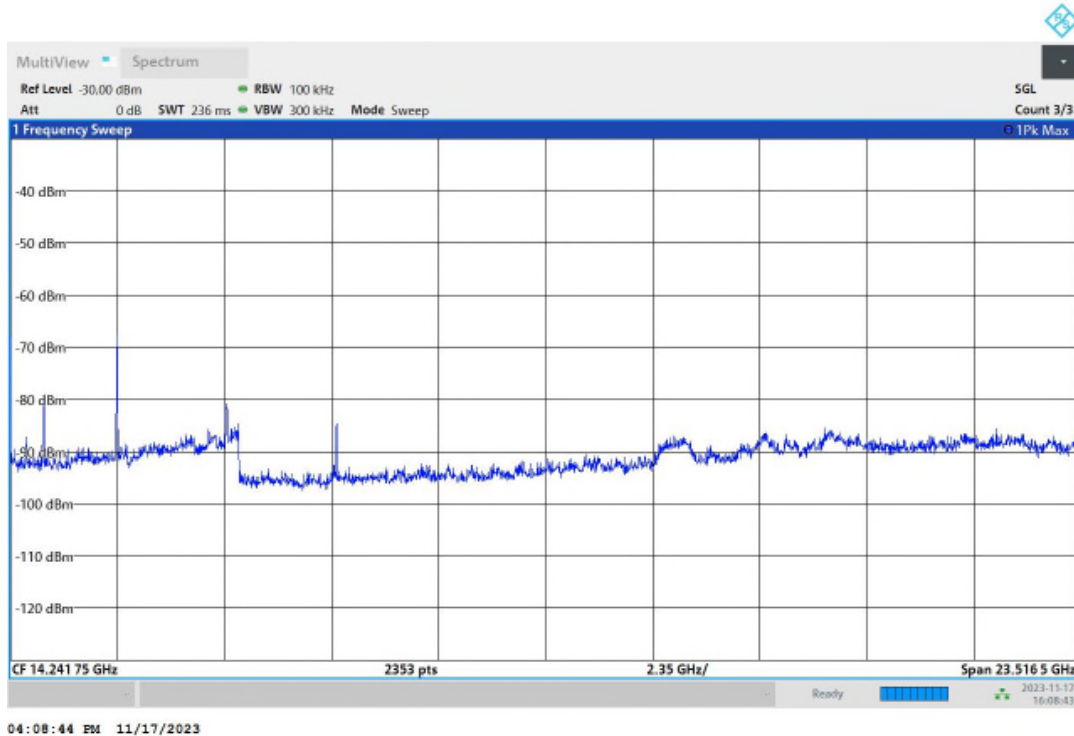
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	0.000 dBm	-30.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	5 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2437 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2439.245000	5.4

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

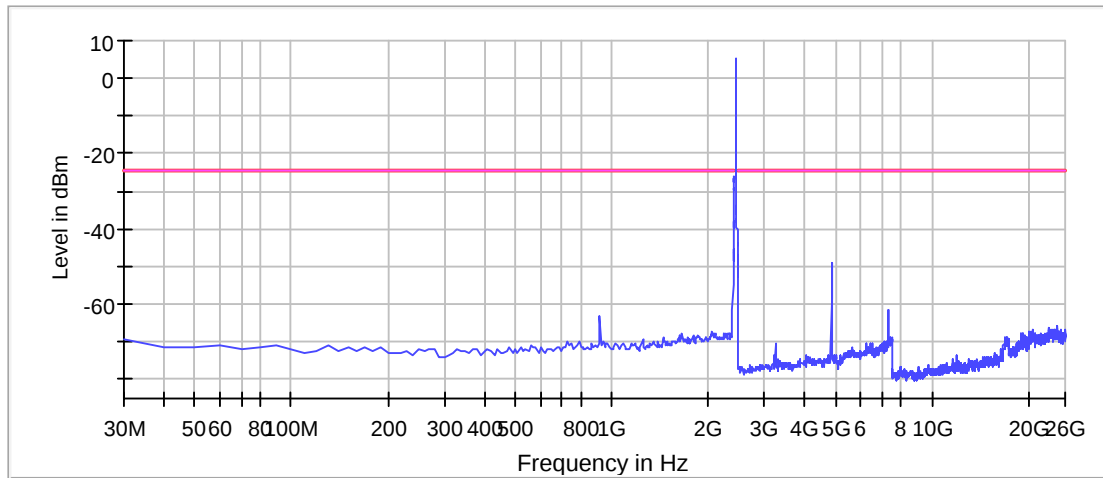
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
4873.144345	-49.0	24.4	-24.6
4863.145833	-54.6	30.0	-24.6
2390.000000	-54.7	30.0	-24.6
4883.142857	-56.8	32.2	-24.6
4853.147321	-58.6	33.9	-24.6
2380.000000	-61.6	37.0	-24.6
7302.782738	-61.6	37.0	-24.6
920.000000	-63.1	38.5	-24.6
7312.781250	-63.2	38.6	-24.6
7292.784226	-65.5	40.9	-24.6
24530.218750	-65.6	41.0	-24.6
7322.779762	-65.9	41.3	-24.6
23030.441964	-66.1	41.5	-24.6
24670.197917	-66.3	41.6	-24.6
24180.270833	-66.5	41.9	-24.6

Measurement Settings

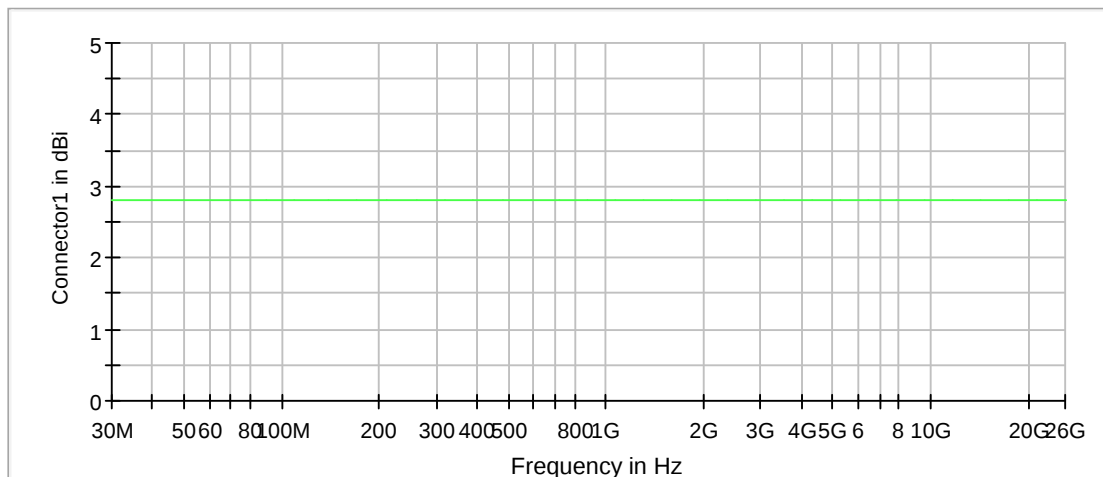
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



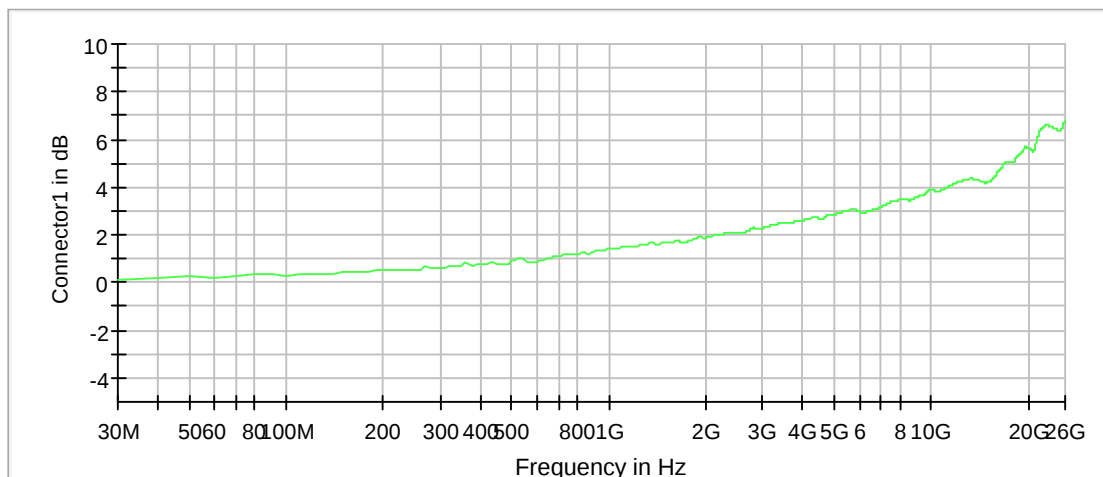
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



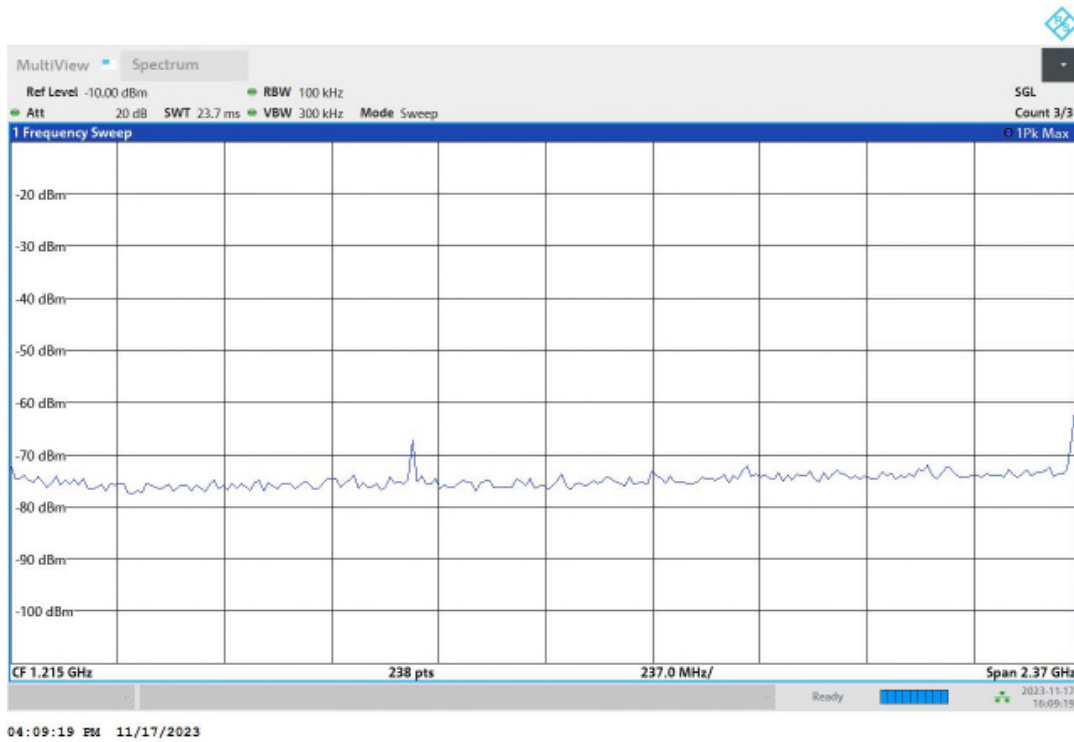
— Connector1

Attenuation

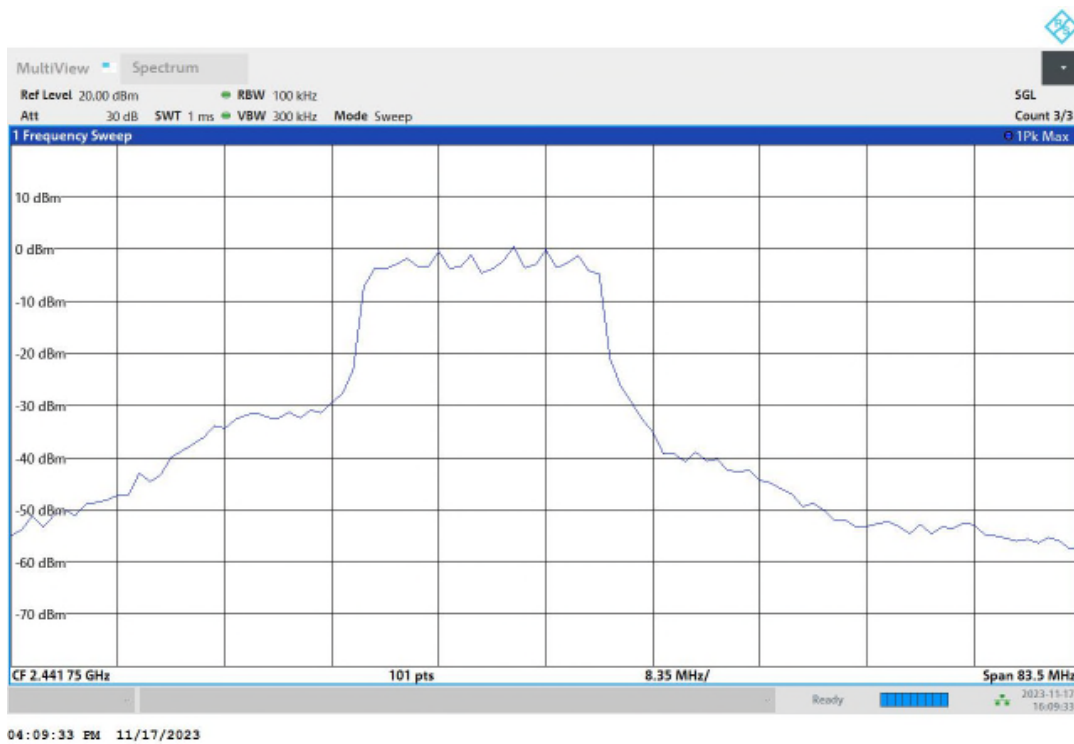


— Connector1

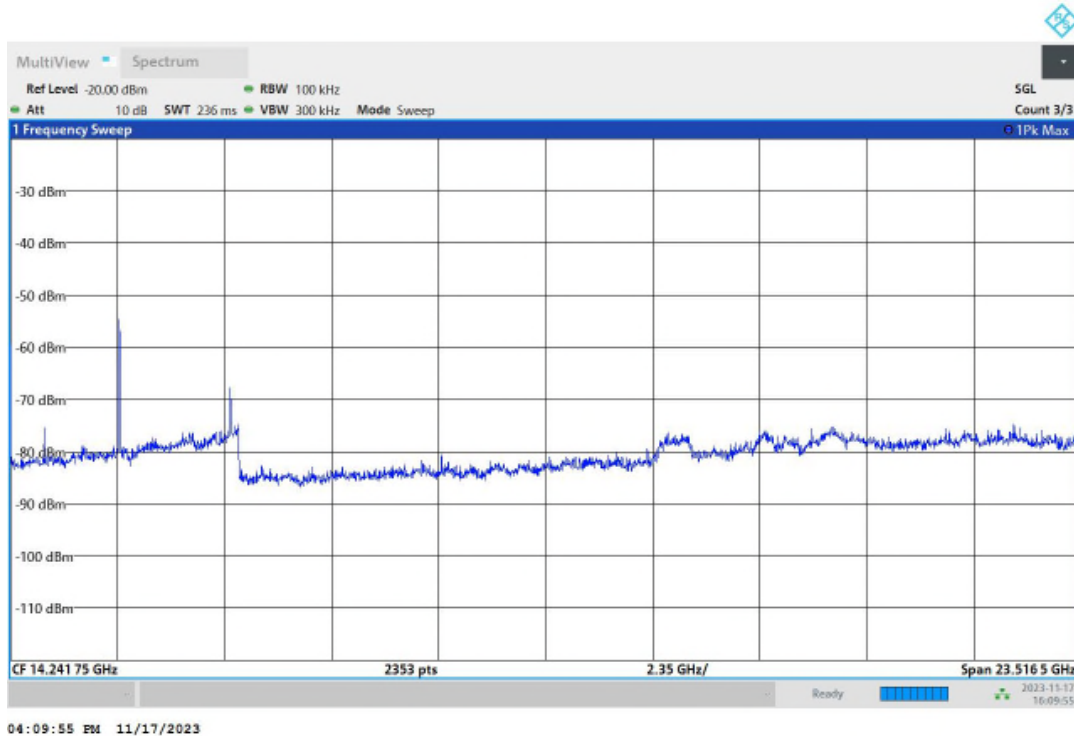
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-10.000 dBm	-30.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	5 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2462 MHz; n20-mode [MCS0] (20 dBm); 20 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2462.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2466.800000	9.4

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

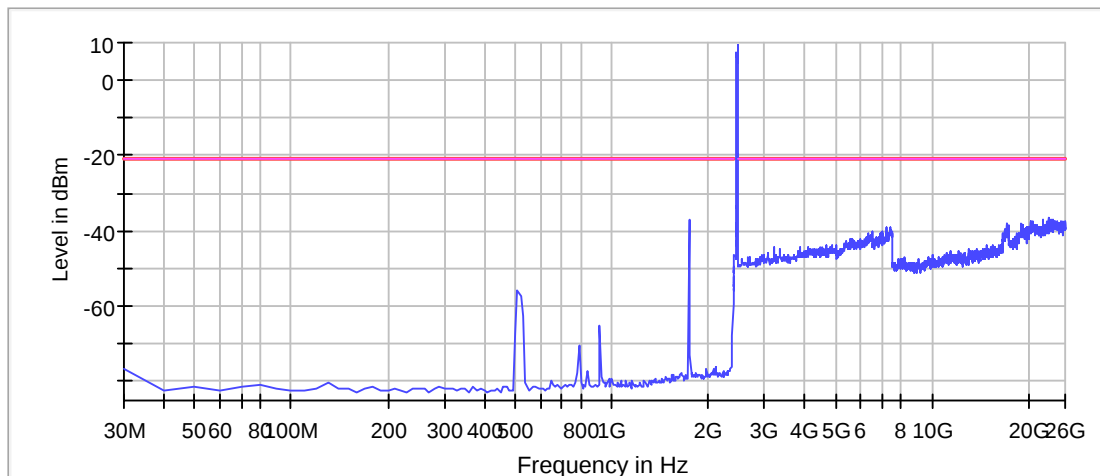
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
23040.440476	-36.6	16.0	-20.6
23640.351190	-36.8	16.2	-20.6
1740.000000	-37.0	16.4	-20.6
23930.308036	-37.1	16.5	-20.6
22180.568452	-37.2	16.6	-20.6
23190.418155	-37.2	16.6	-20.6
20380.836310	-37.2	16.6	-20.6
25900.014881	-37.3	16.7	-20.6
20500.818452	-37.3	16.8	-20.6
20360.839286	-37.4	16.8	-20.6
25390.090774	-37.4	16.8	-20.6
20570.808036	-37.5	16.9	-20.6
24100.282738	-37.5	16.9	-20.6
23530.367560	-37.6	17.0	-20.6
25290.105655	-37.6	17.0	-20.6

Measurement Settings

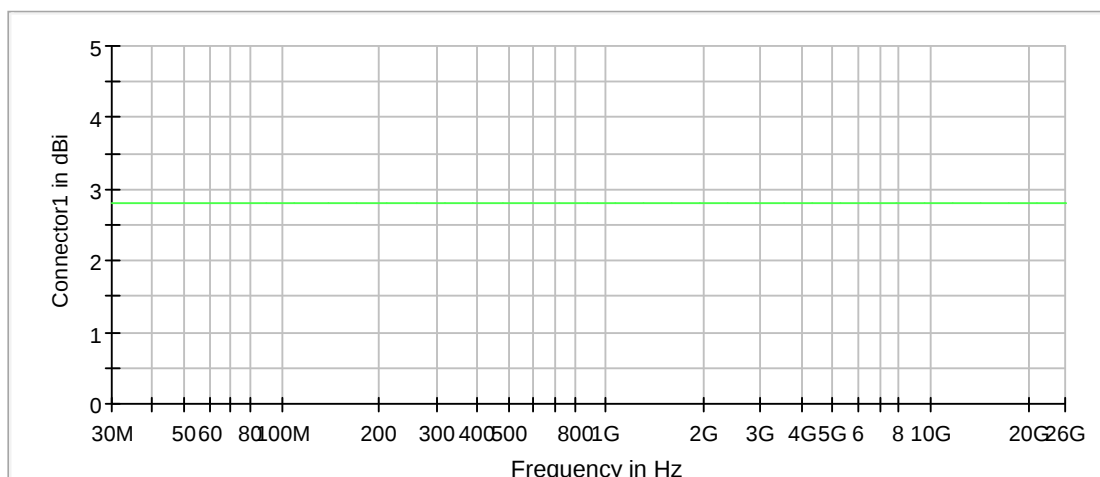
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



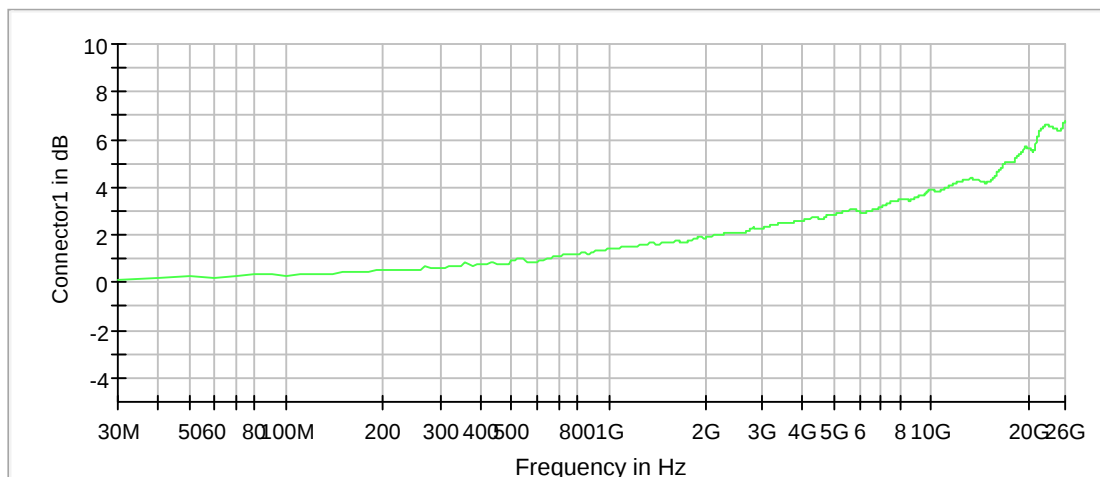
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



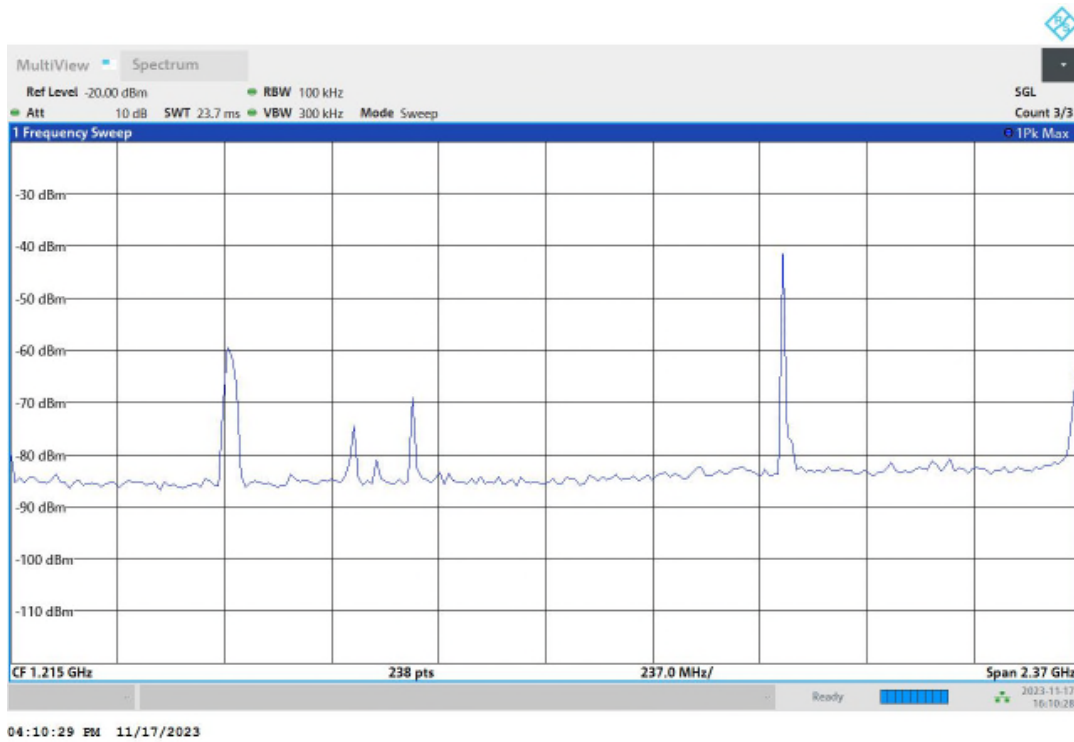
— Connector1

Attenuation

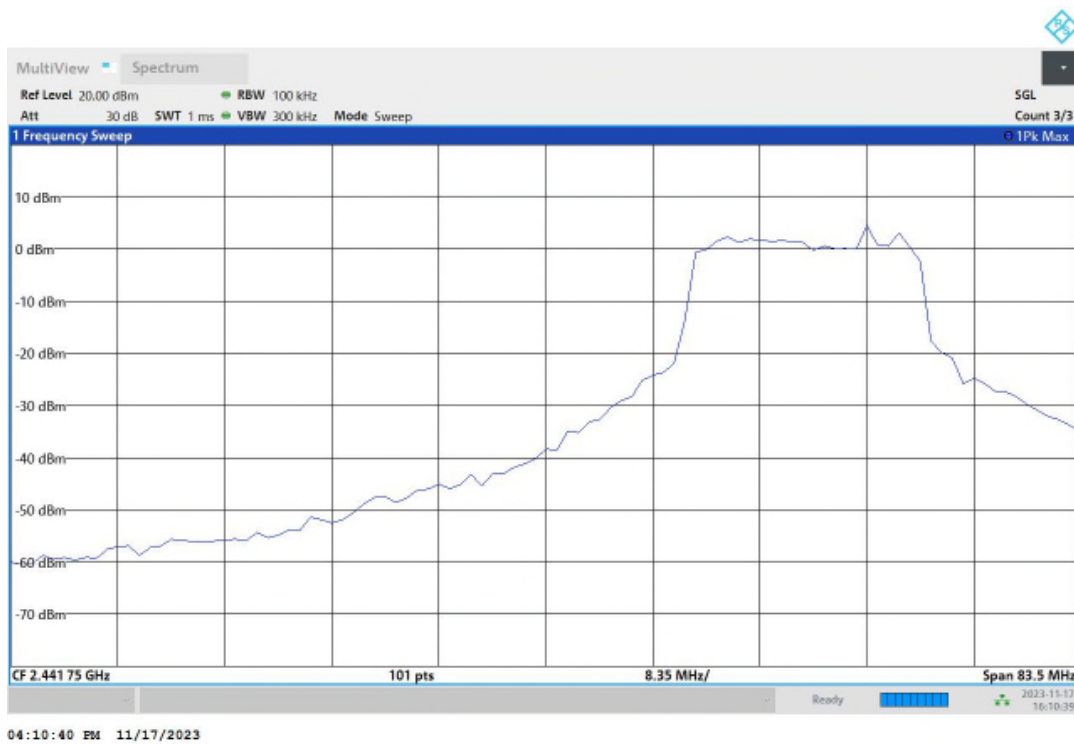


— Connector1

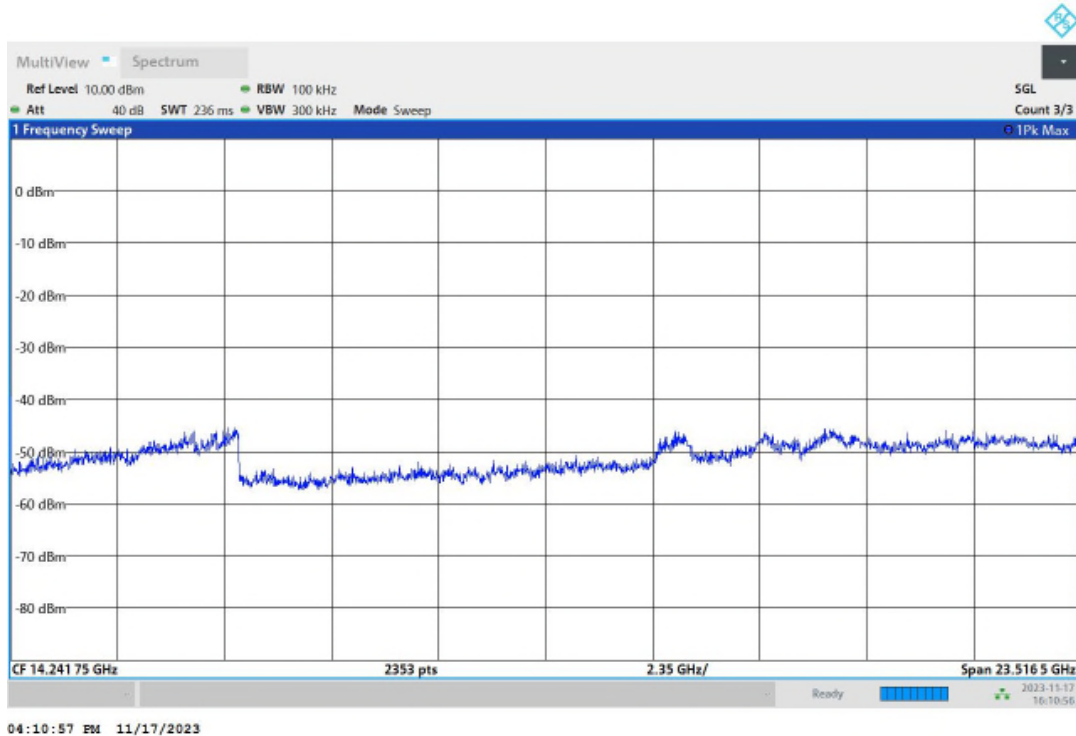
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2422 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2422.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2410.020000	0.8

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

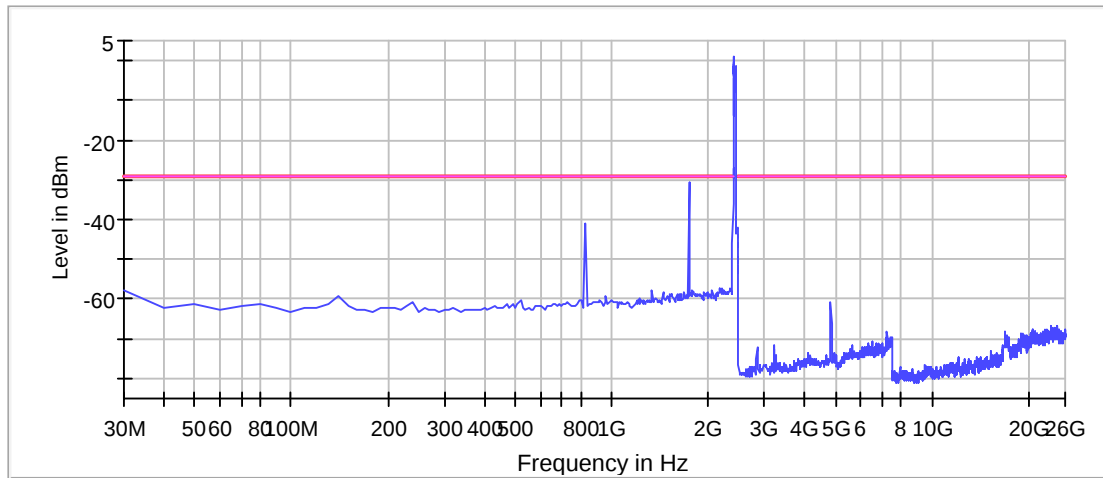
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
1740.000000	-30.8	1.6	-29.2
2390.000000	-36.1	6.9	-29.2
1750.000000	-36.8	7.6	-29.2
830.000000	-40.8	11.6	-29.2
2380.000000	-46.2	17.0	-29.2
2180.000000	-57.2	28.0	-29.2
2350.000000	-57.4	28.2	-29.2
2220.000000	-57.5	28.3	-29.2
2340.000000	-57.6	28.4	-29.2
2060.000000	-57.7	28.5	-29.2
1340.000000	-57.9	28.7	-29.2
30.000000	-58.0	28.8	-29.2
1790.000000	-58.0	28.8	-29.2
2190.000000	-58.0	28.8	-29.2
2250.000000	-58.0	28.8	-29.2

Measurement Settings

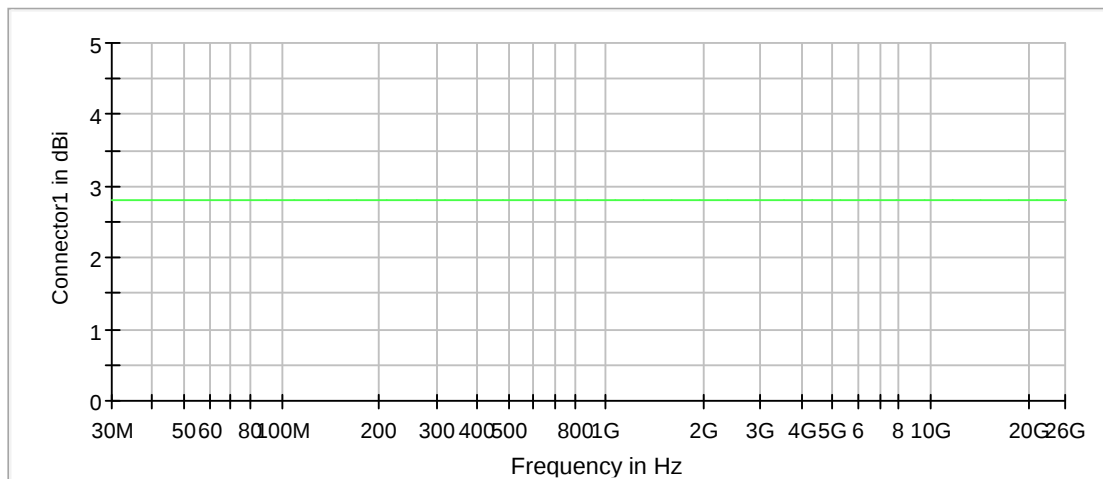
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



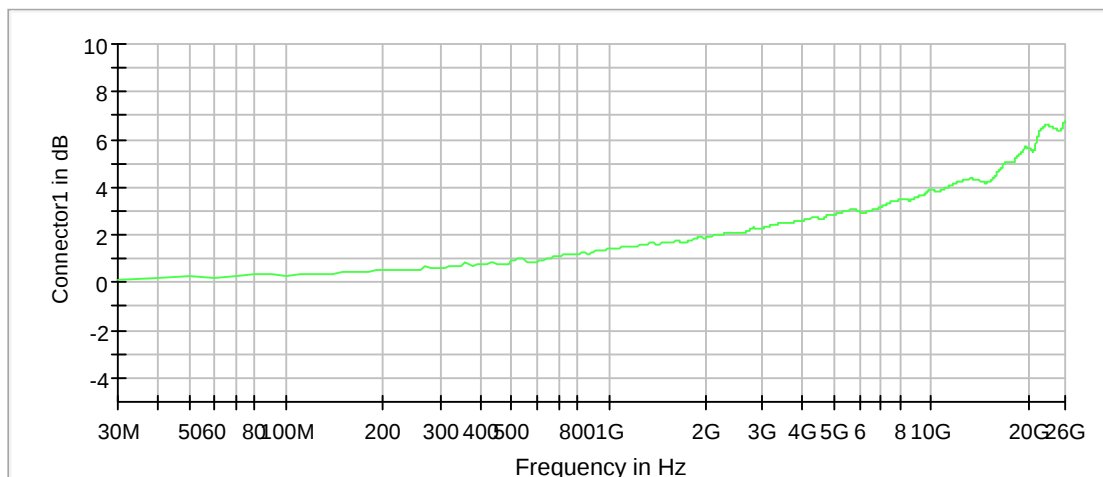
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



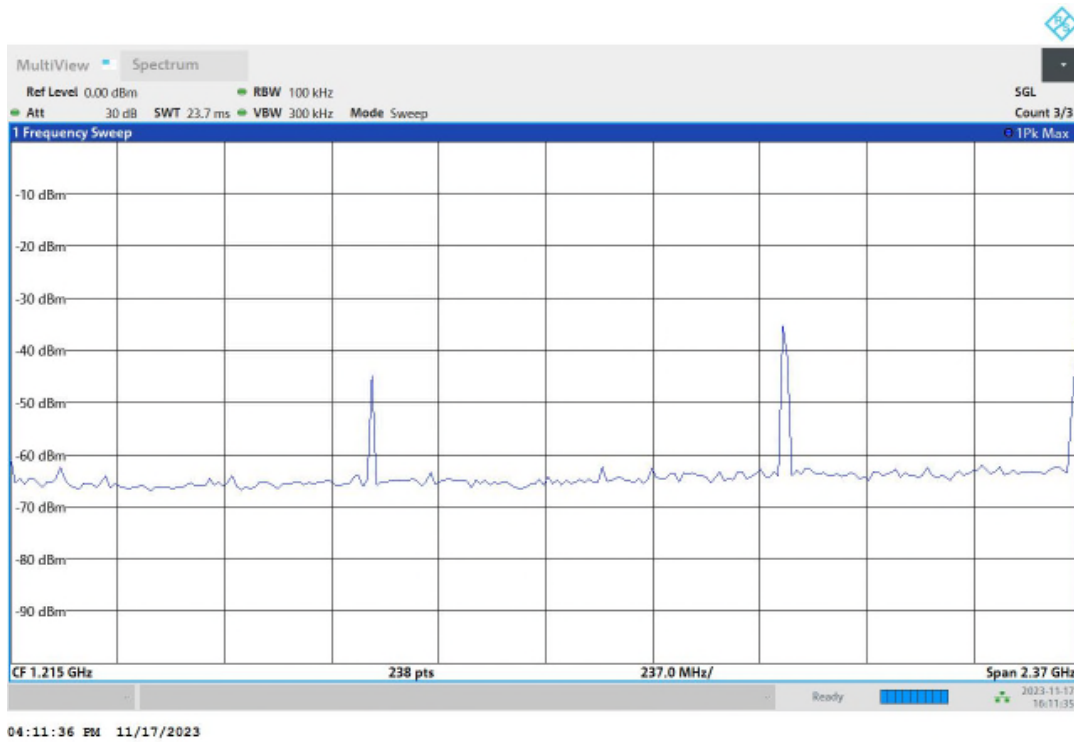
— Connector1

Attenuation



— Connector1

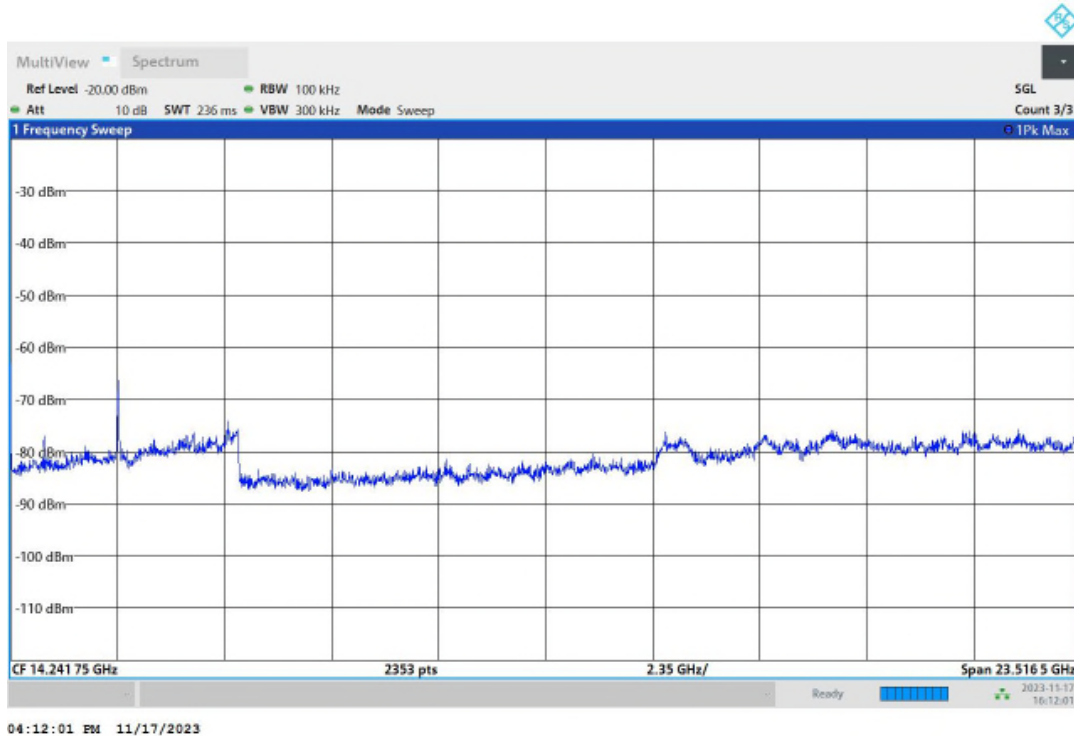
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	≤ 100.000 kHz
VBW	300.000 kHz	≥ 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	0.000 dBm	-30.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.37 dB	0.50 dB

Tx Spurious Emission (2437 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2437.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2451.770000	4.6

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

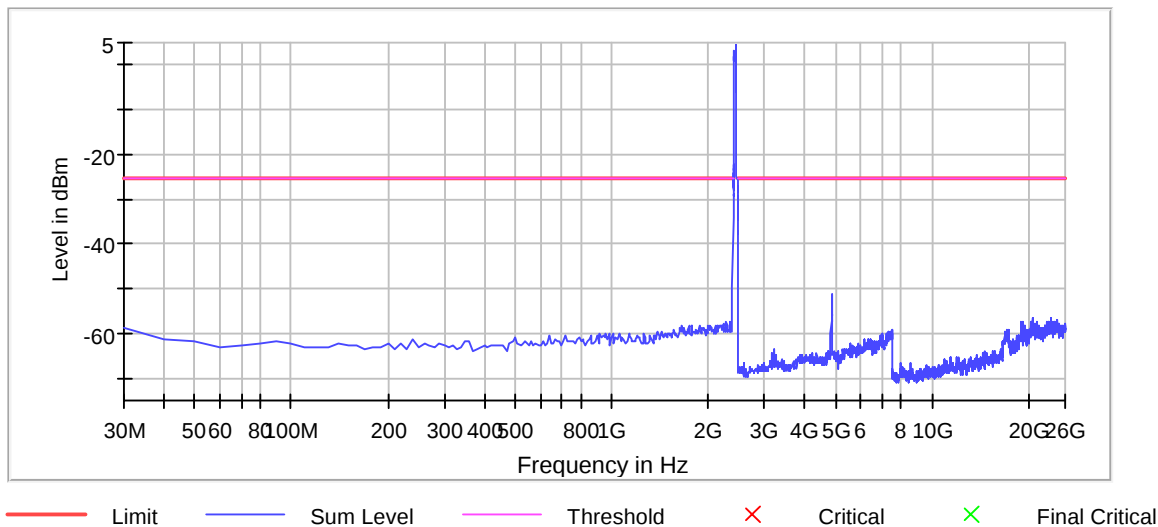
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-34.2	8.8	-25.4
2380.000000	-49.5	24.0	-25.4
4873.144345	-51.1	25.7	-25.4
4893.141369	-55.5	30.0	-25.4
4883.142857	-56.2	30.8	-25.4
23640.351190	-56.4	31.0	-25.4
20550.811012	-56.6	31.2	-25.4
20510.816964	-57.0	31.6	-25.4
24490.224702	-57.0	31.6	-25.4
20540.812500	-57.1	31.6	-25.4
23480.375000	-57.1	31.6	-25.4
4853.147321	-57.1	31.7	-25.4
23690.343750	-57.3	31.9	-25.4
24620.205357	-57.3	31.9	-25.4
20450.825893	-57.3	31.9	-25.4

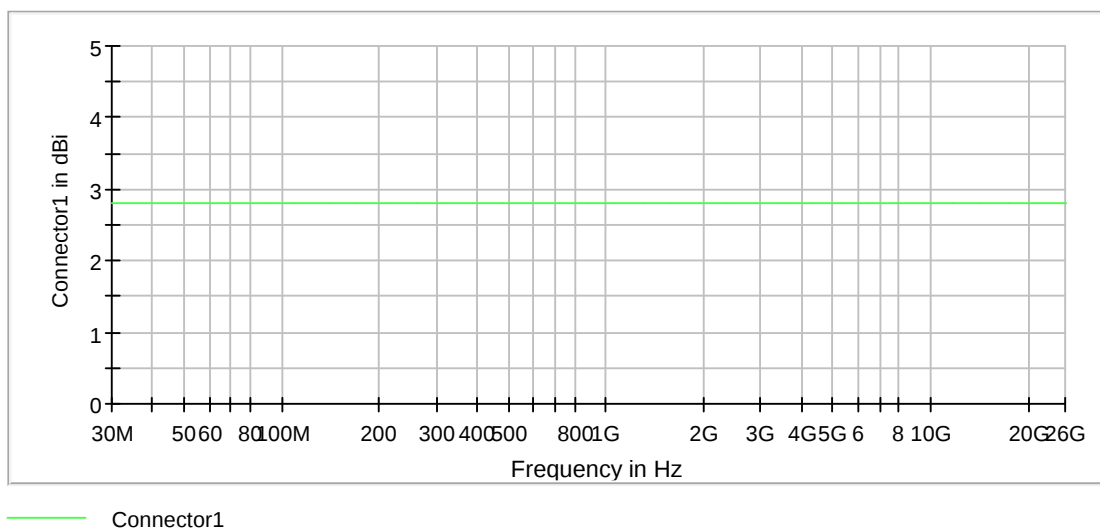
Measurement Settings

Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

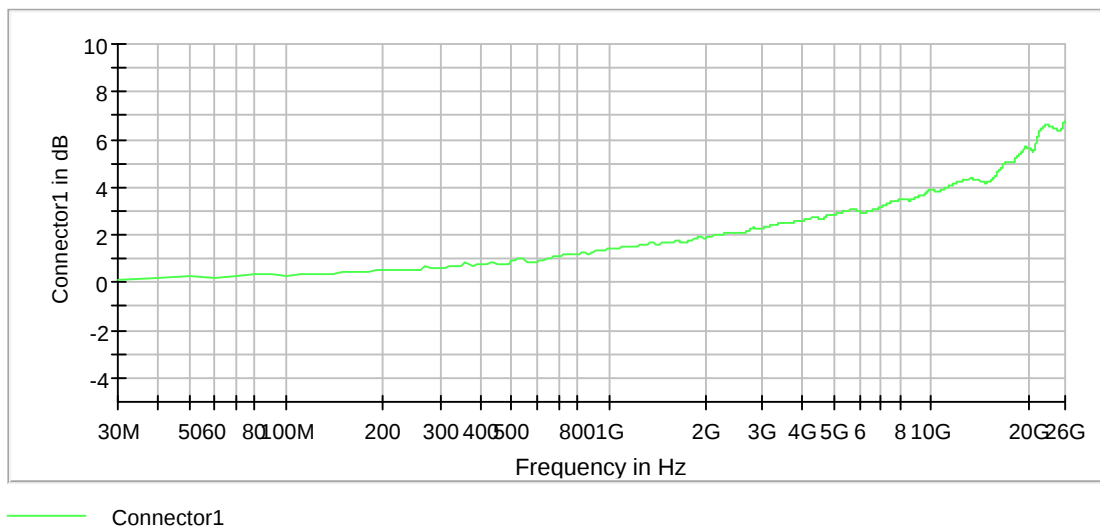
Spurious



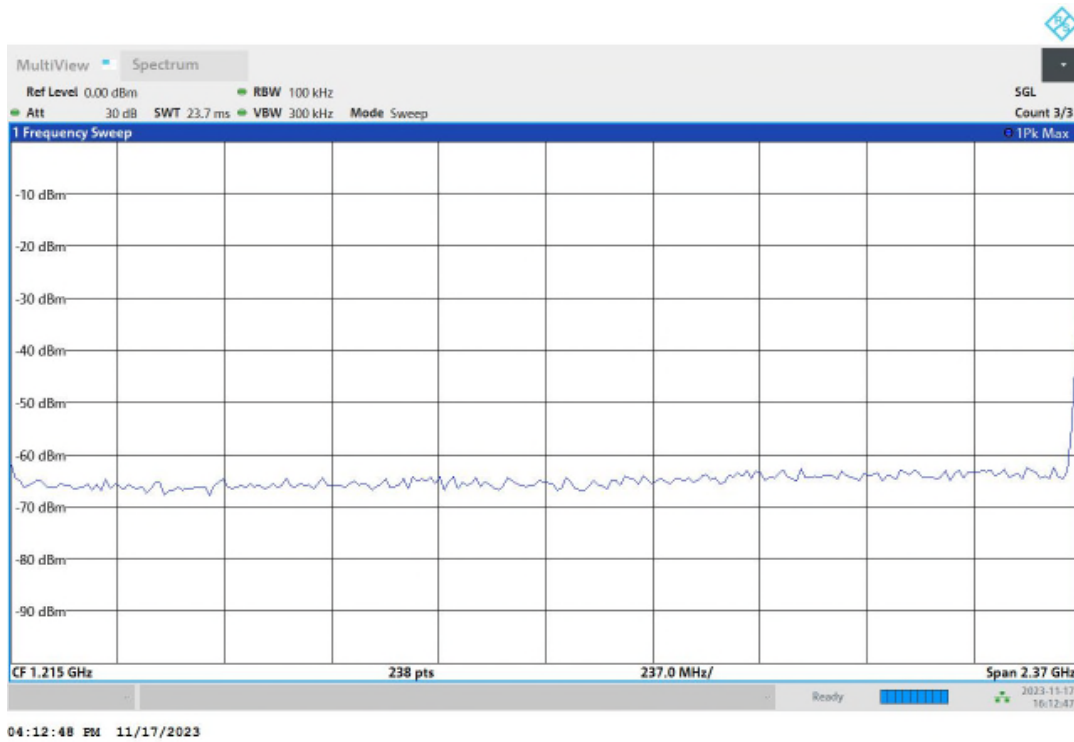
Gain



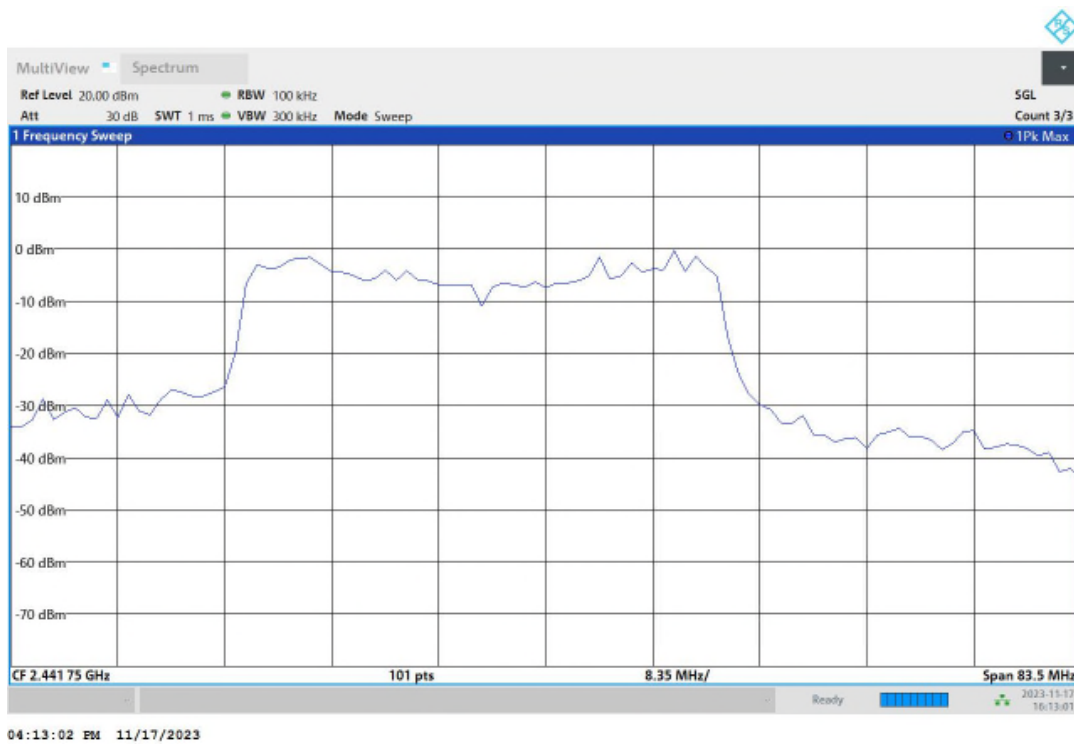
Attenuation



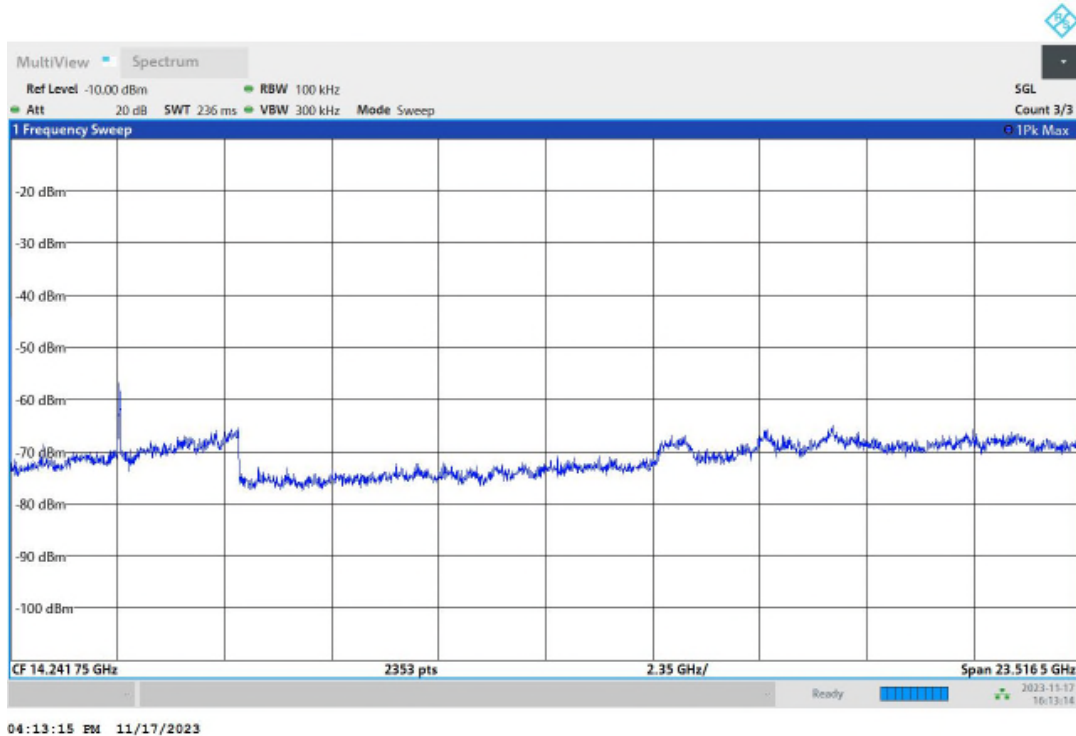
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	0.000 dBm	-30.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Tx Spurious Emission (2452 MHz; n40-mode [MCS0] (20 dBm); 40 MHz)

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result
2452.000000	PASS

Inband Peak

Frequency (MHz)	Level (dBm)
2455.945000	8.1

Final measurements

Frequency (MHz)	Level Pre Measurement (dBm)	level (dBm)	Limit (dBm)	Margin (dB)	Result
---	---	---	---	---	---

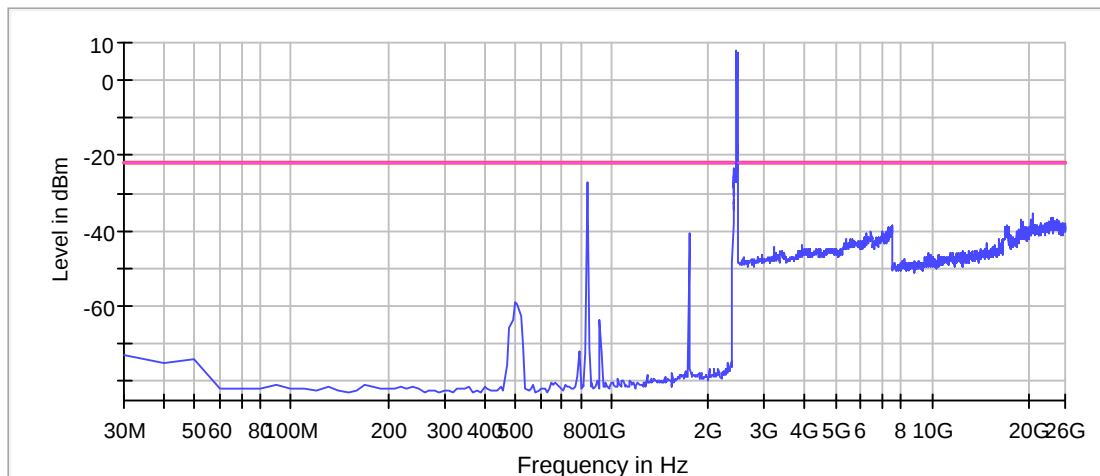
Pre Measurements

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
840.000000	-26.9	5.0	-21.9
20520.815476	-35.5	13.6	-21.9
23690.343750	-36.5	14.6	-21.9
23670.346726	-36.6	14.7	-21.9
19031.037202	-36.8	14.9	-21.9
23480.375000	-36.8	14.9	-21.9
23460.377976	-36.8	14.9	-21.9
23590.358631	-37.0	15.1	-21.9
23440.380952	-37.1	15.2	-21.9
24630.203869	-37.1	15.2	-21.9
24660.199405	-37.1	15.2	-21.9
20410.831845	-37.2	15.3	-21.9
20640.797619	-37.2	15.3	-21.9
23650.349702	-37.3	15.4	-21.9
24140.276786	-37.4	15.5	-21.9

Measurement Settings

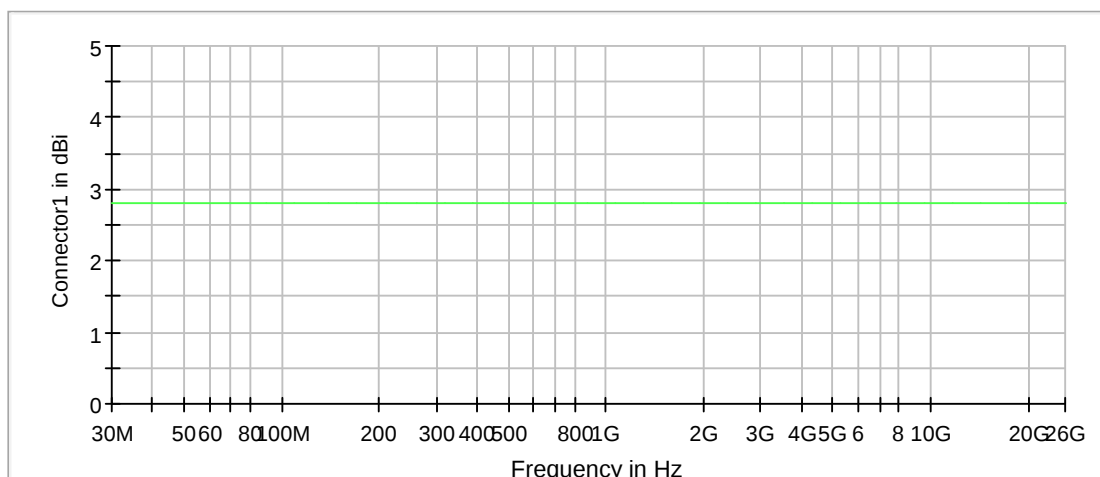
Start Frequency (MHz)	Stop Frequency (MHz)	Pre Measurement	Final Measurement
30.000000	2400.000000	1	1
2400.000000	2483.500000	1	1
2483.500000	26000.000000	1	1

Spurious



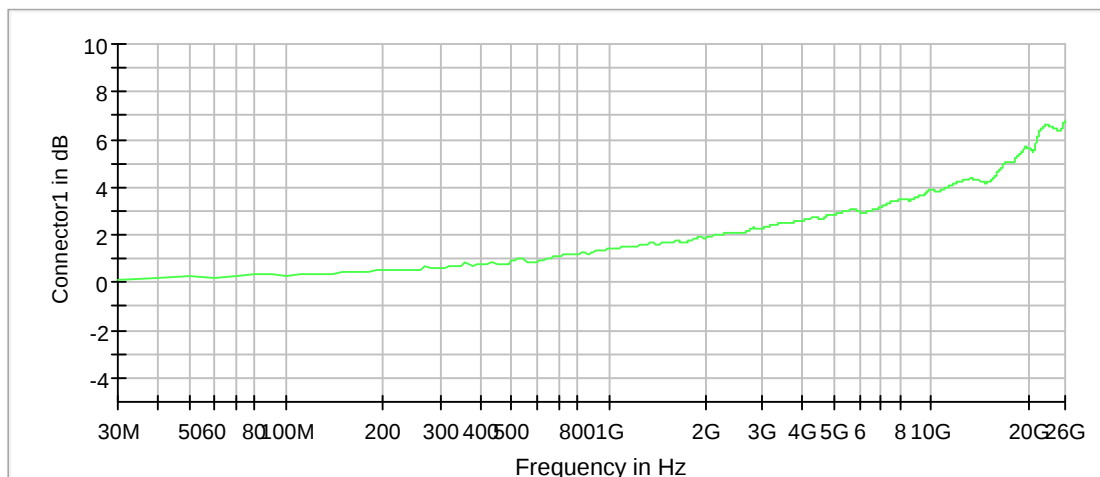
— Limit — Sum Level — Threshold × Critical × Final Critical

Gain



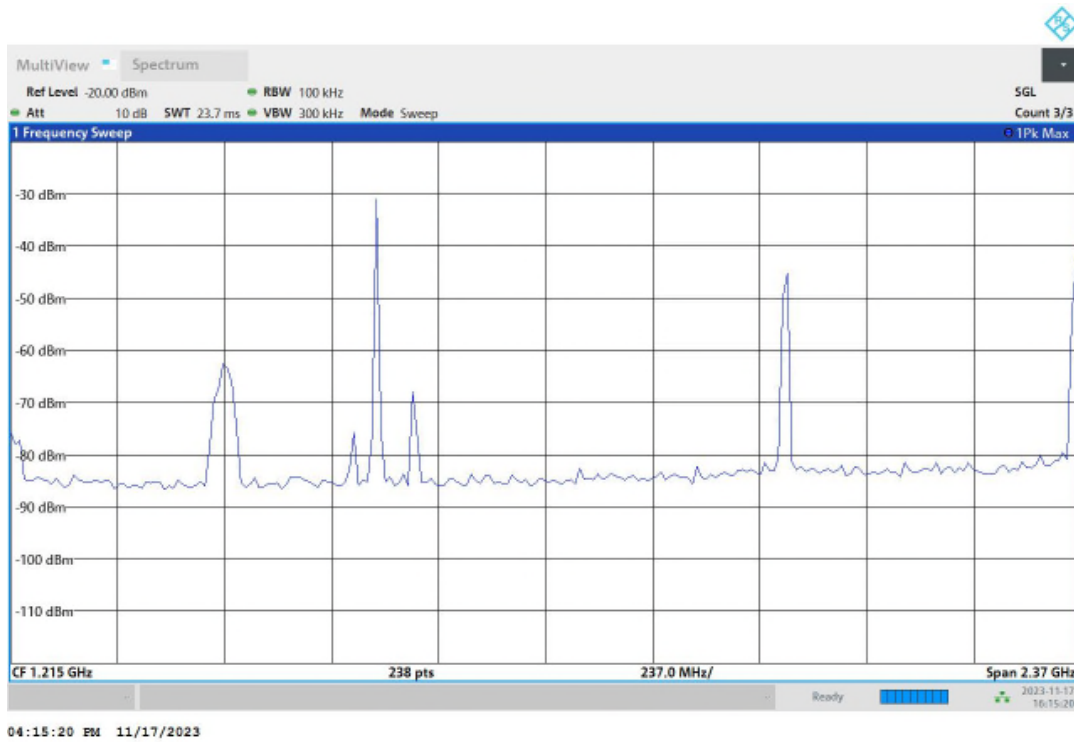
— Connector1

Attenuation

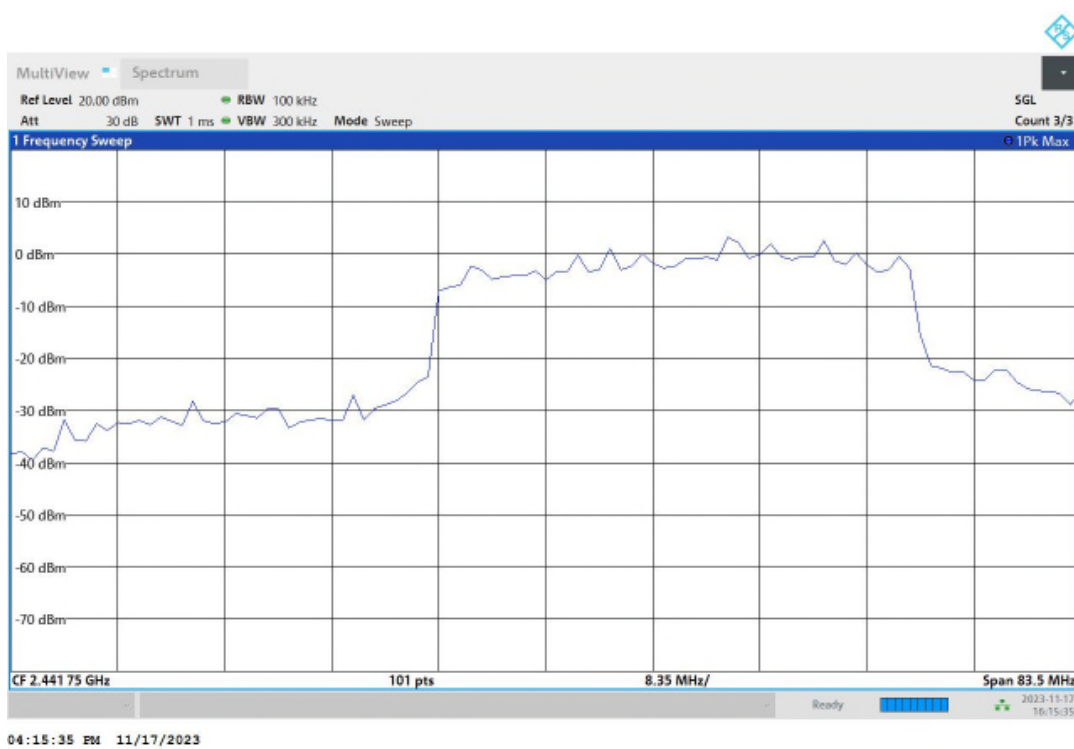


— Connector1

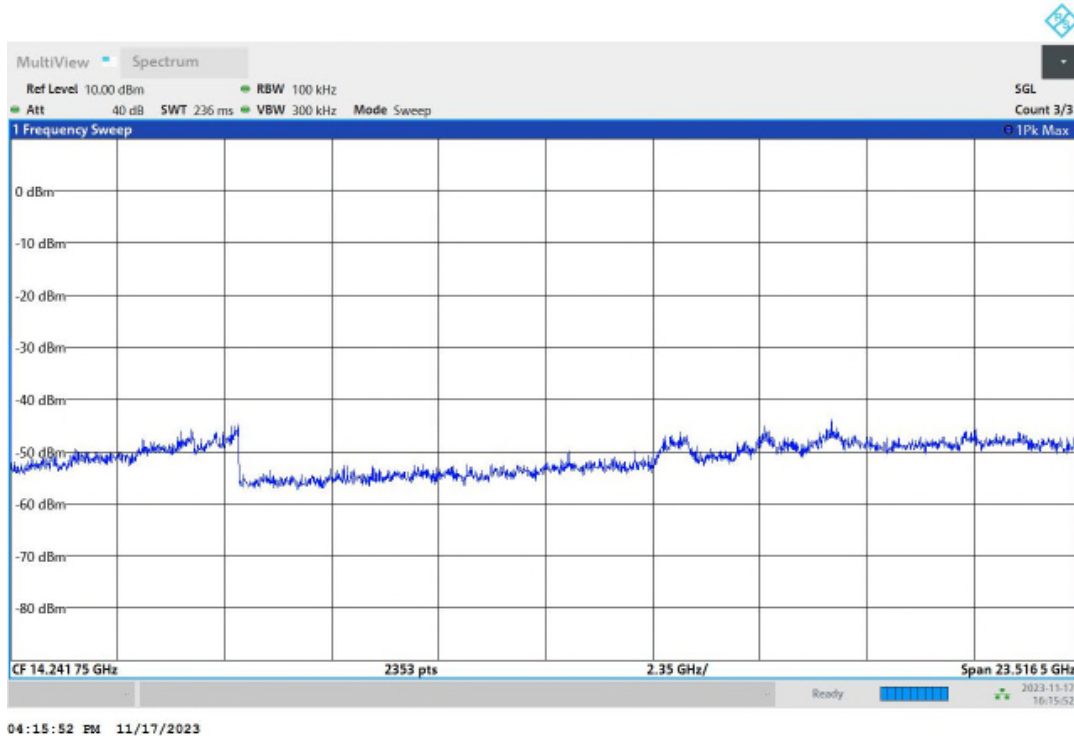
Spurious Connector 1_0



Spurious Connector 1_1



Spurious Connector 1_2



Pre Measurement 1

Setting	Instrument Value	Target Value
RBW	100.000 kHz	<= 100.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	238	~ 238
SweepTime	23.700 ms	AUTO
Reference Level	-20.000 dBm	-30.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	3	3
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 40	max. 40
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Radiated field strength emissions below 30 MHz

2.01a_b-mode_1 Mbps_ch01

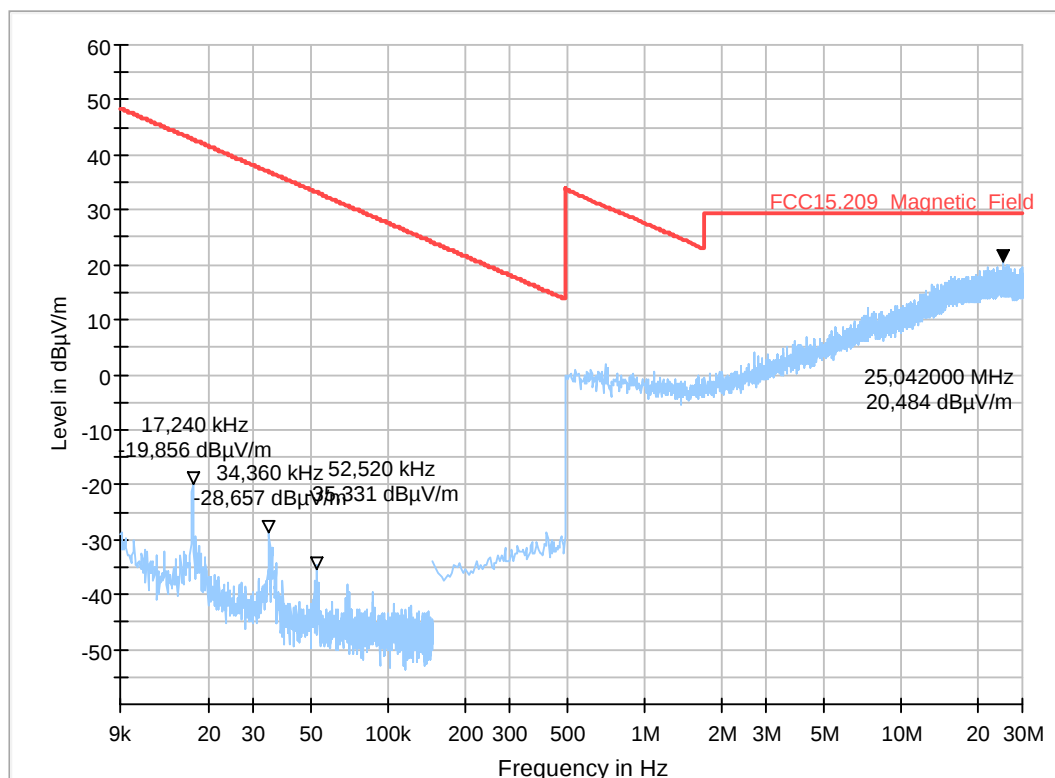
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel low
Comment 2:	b-mode 1 Mbps; ch01; 2412 MHz
Environmental Conditions:	Temperature: 22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT laying
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



2.01b_b-mode_1 Mbps_ch01

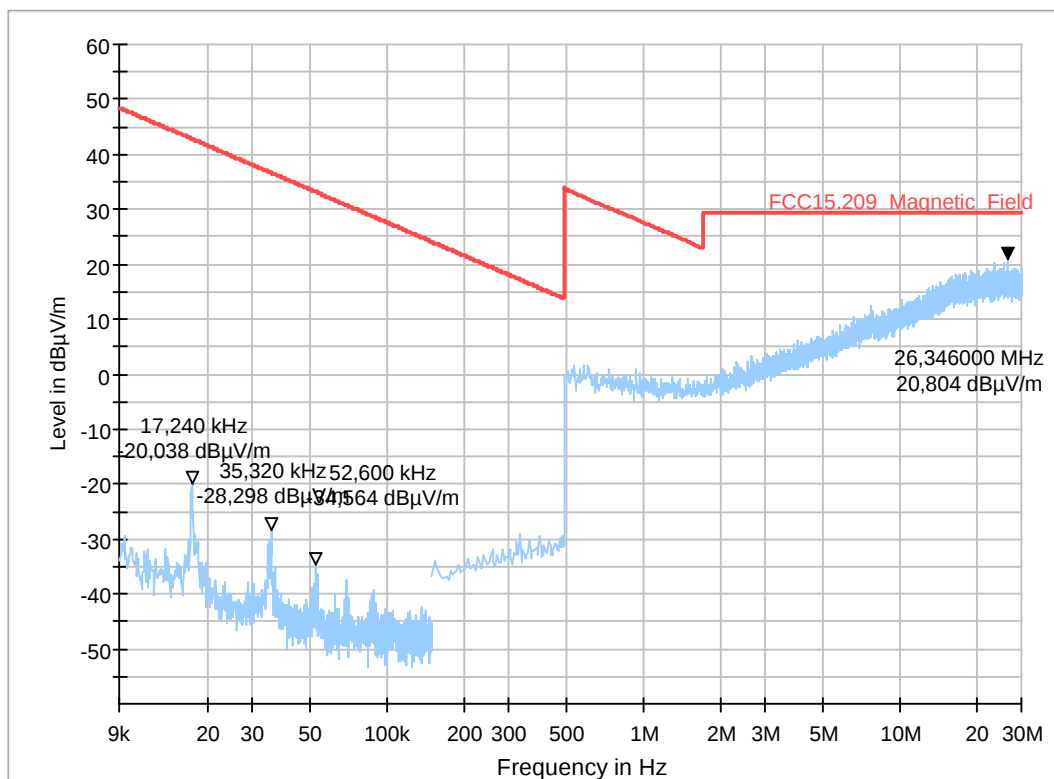
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel low
Comment 2:	b-mode 1 Mbps; ch01; 2412 MHz
Environmental Conditions:	T=22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT standing
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



2.02_g-mode_6Mbps_ch06

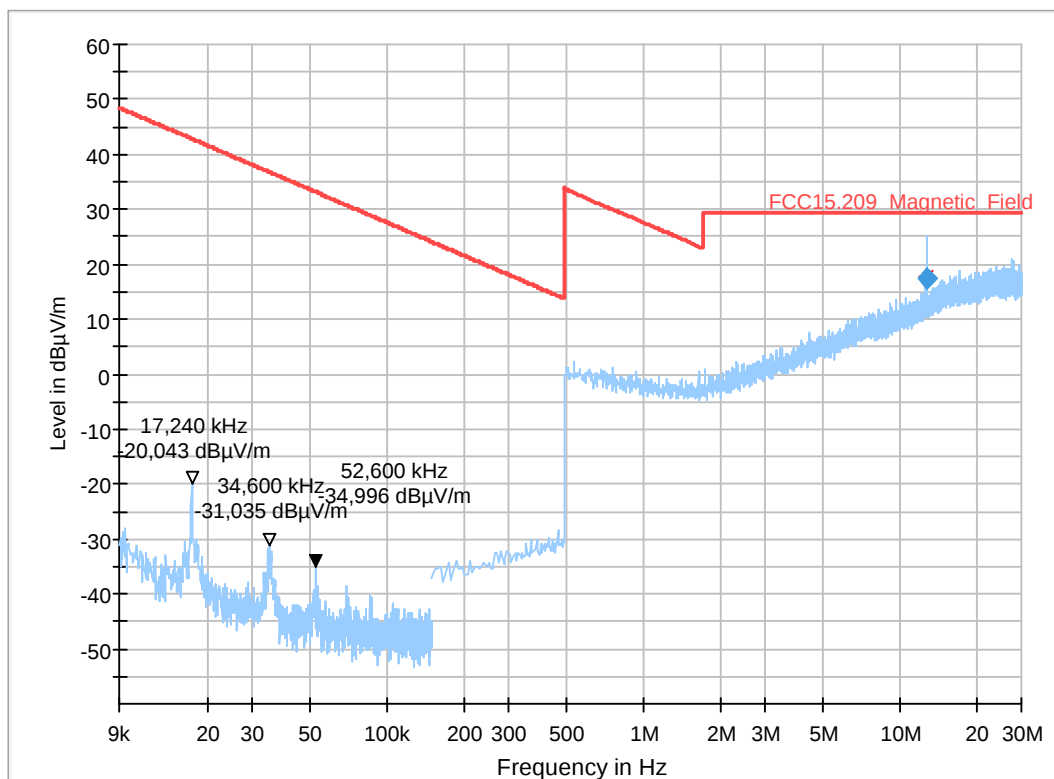
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel mid
Comment 2:	g-mode 6 Mbps; ch06; 2437 MHz
Environmental Conditions:	T=22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT standing
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



2.03_n20-mode_MCS0_ch11

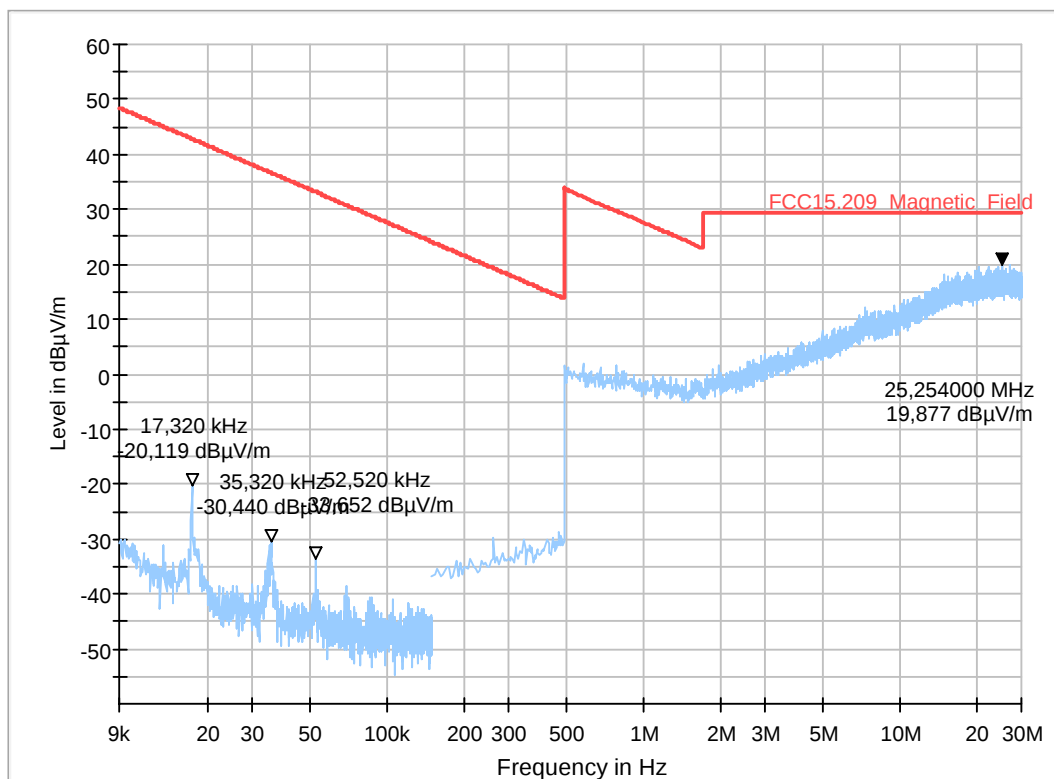
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel high
Comment 2:	n20-mode MCS0; ch11; 2462 MHz
Environmental Conditions:	T=22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT standing
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



2.04_n40-mode_MCS0_ch03

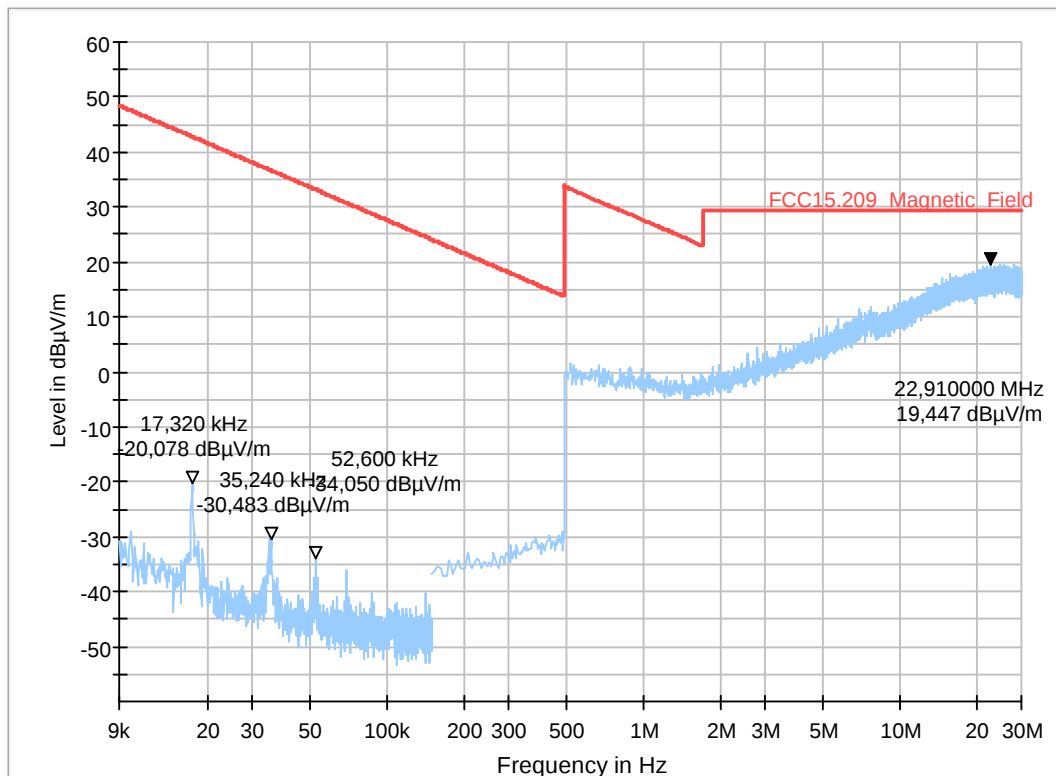
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel high
Comment 2:	n40-mode MCS0; ch03; 2422 MHz
Environmental Conditions:	T=22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT standing
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



2.05_n40-mode_MCS0_ch06

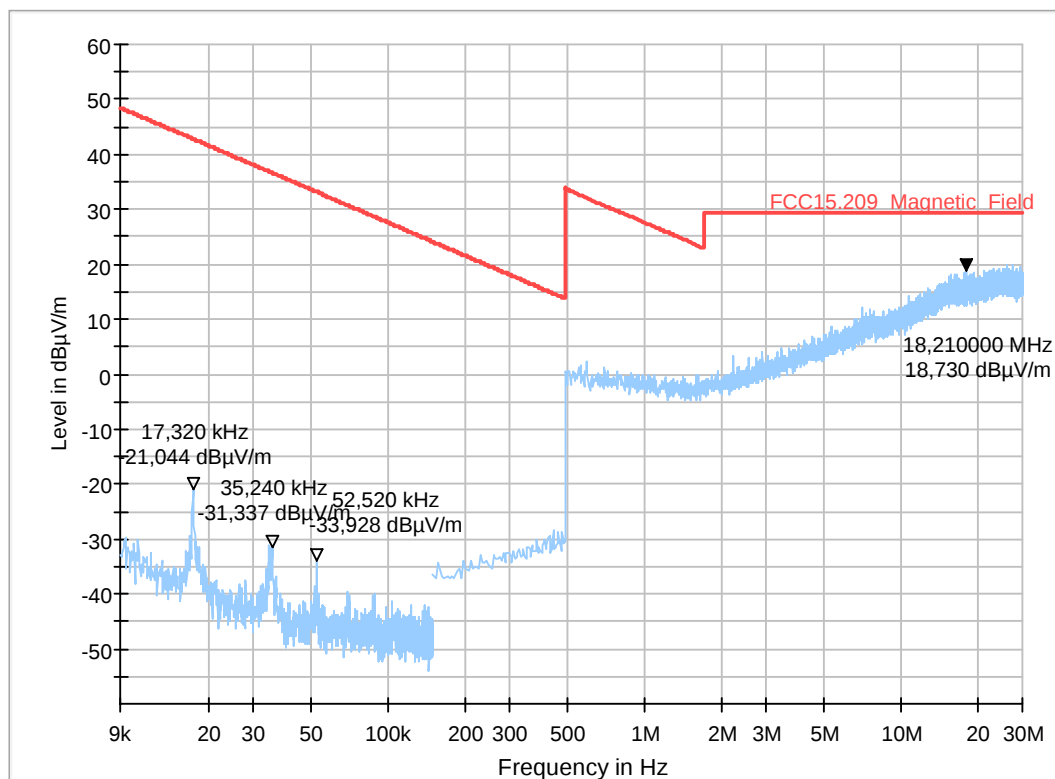
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel mid
Comment 2:	n40-mode MCS0; ch06; 2437 MHz
Environmental Conditions:	T=22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT standing
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



2.06_n40-mode_MCS0_ch09

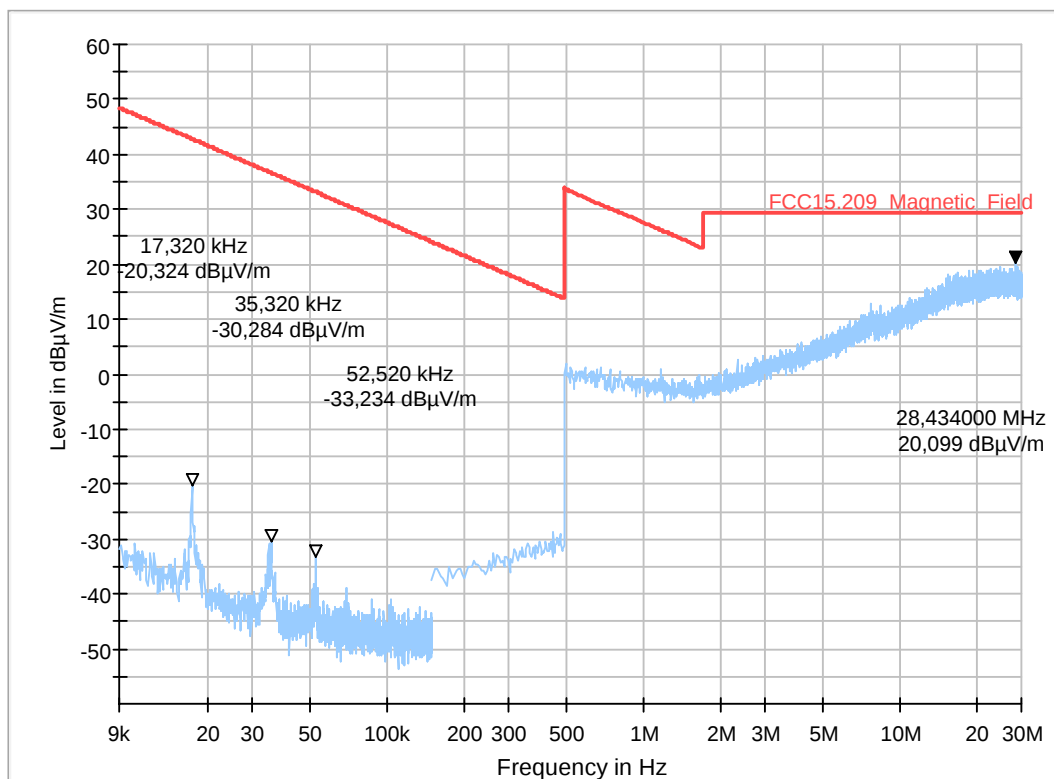
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.205 § 15.209
Operator:	SOz
Operating Mode:	TX-on
Power during tests:	12 V DC
Comment 1:	Channel high
Comment 2:	n40-mode MCS0; ch09; 2452 MHz
Environmental Conditions:	T=22.4 °C, Humidity: 62% rH
EUT Setup:	S03_C01+S05_C01, EUT standing
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC

Full Spectrum



Radiated field strength emissions 30 MHz – 1 GHz

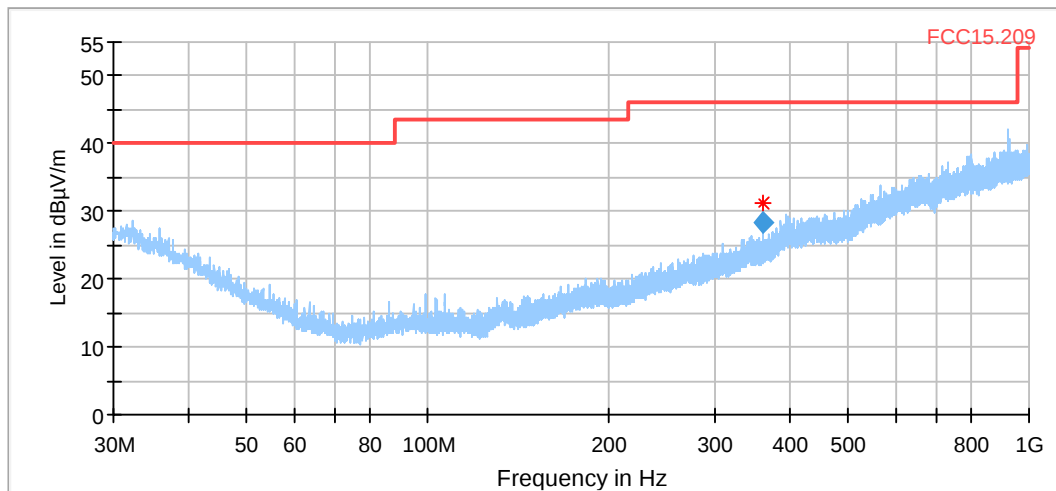
3.01a_b-mode_1 Mbps_ch01

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetecom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, EUT laying
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	b-mode 1 Mbps; ch01; 2412 MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)	Preamp (dB)
359.990000	28.28	46.00	17.72	120.000	100.0	H	240.0	16.5	0.0	2.0

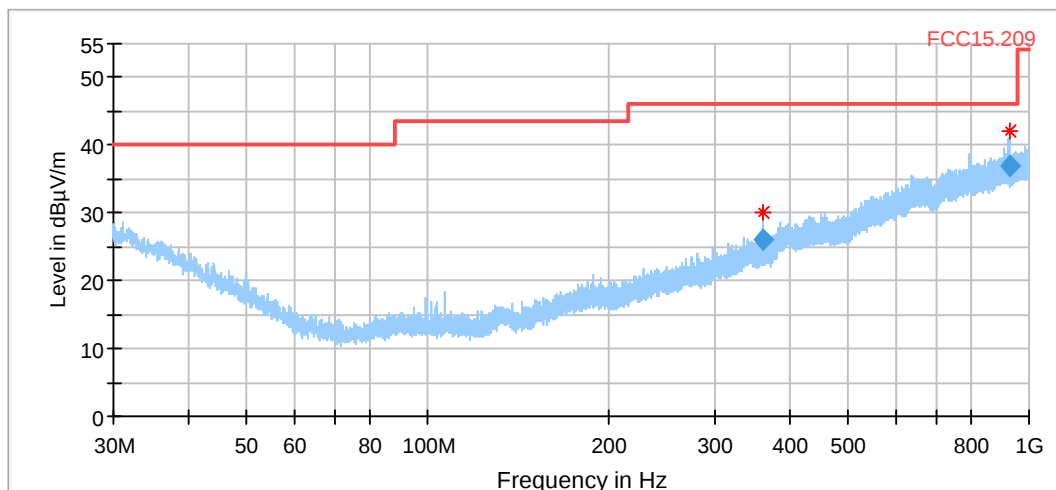
3.01b_b-mode_1 Mbps_ch01

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, EUT standing
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	b-mode 1 Mbps; ch01; 2412 MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)	Preamp (dB)
359.990000	25.99	46.00	20.01	120.000	127.0	V	338.0	16.5	0.0	2.0
925.430000	36.97	46.00	9.03	120.000	109.0	V	357.0	27.0	0.0	3.4

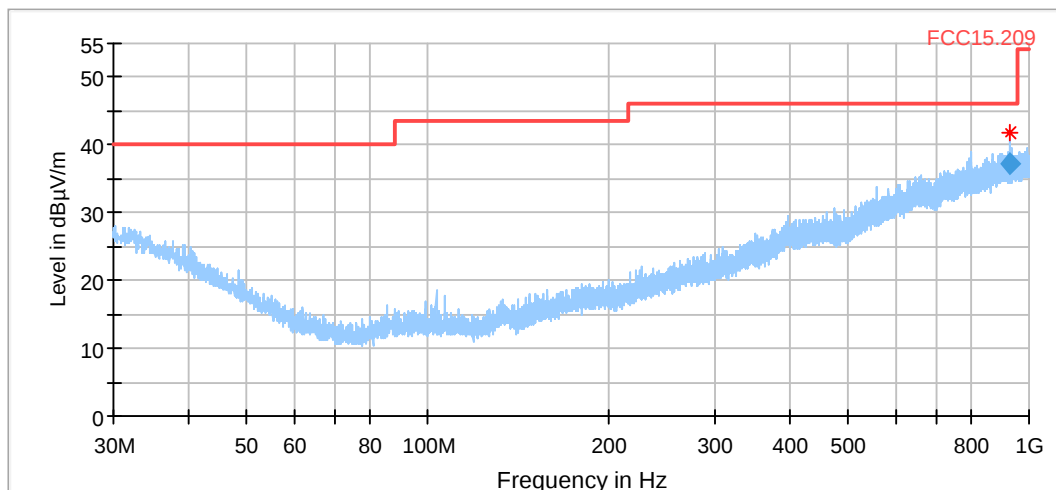
3.02_g-mode_6Mbps_ch06

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, laying
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	g-mode 6Mbps; ch06; 2437MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)	Preamp (dB)
925.470000	37.14	46.00	8.86	120.000	224.0	V	280.0	27.0	0.0	3.4

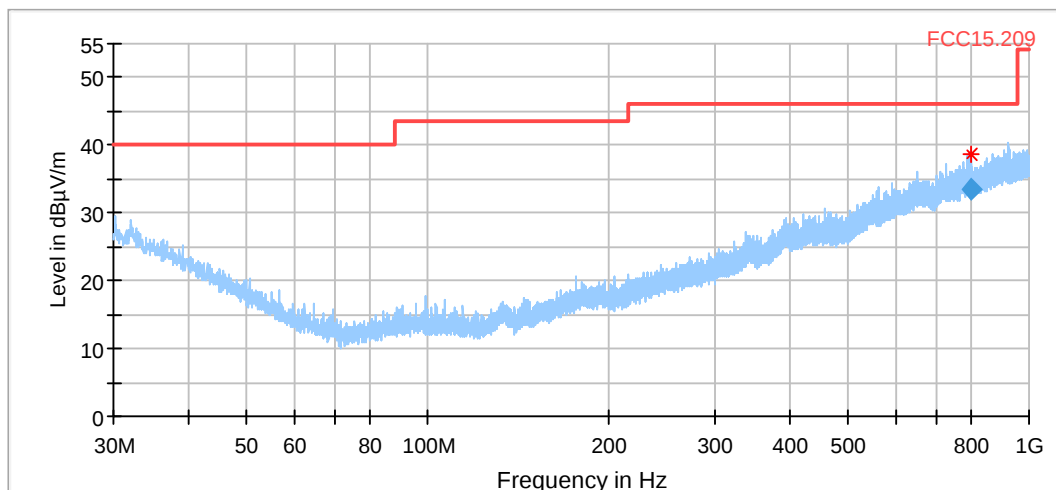
3.03_n20-mode_MCS0_ch11

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, laying
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	n20-mode MCS0; ch11; 2462 MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)	Preamp (dB)
798.870000	33.43	46.00	12.57	120.000	188.0	V	0.0	25.5	0.0	3.1

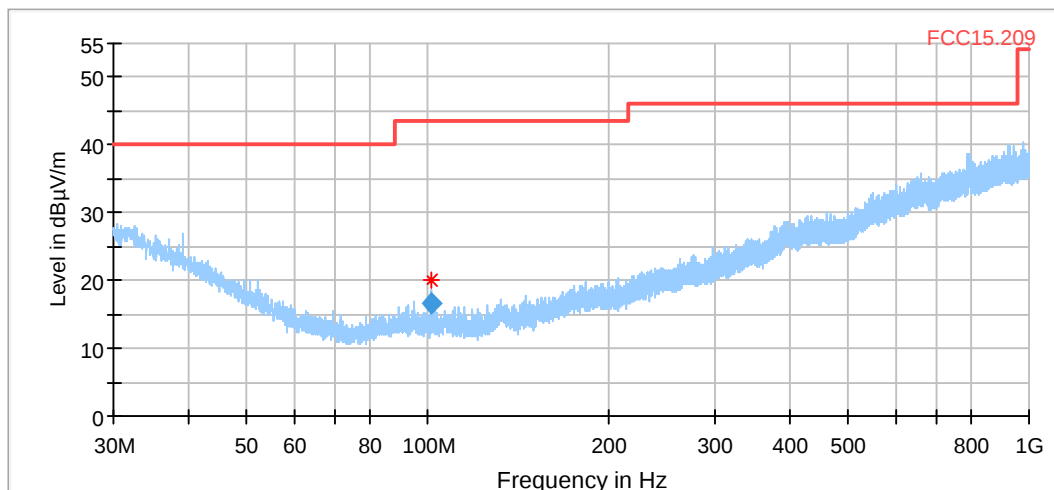
3.04_n40-mode_MCS0_ch03

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetecom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, laying
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	n20-mode MCS0; ch03; 2422 MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)	Preamp (dB)
101.310000	16.52	43.50	26.98	120.000	152.0	V	173.0	7.7	0.0	0.9

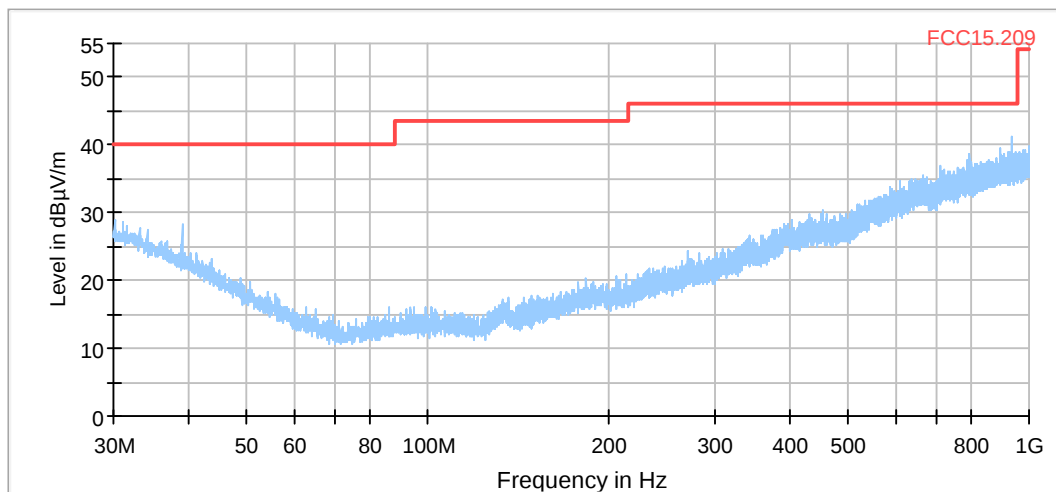
3.05_n40-mode_MCS0_ch06

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, laying
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	n20-mode MCS0; ch06; 2437 MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



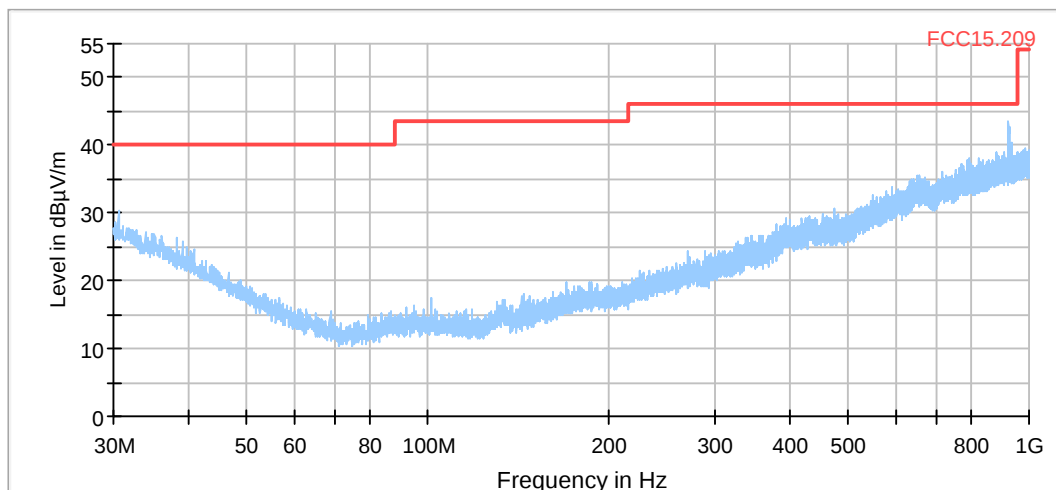
3.06_n40-mode_MCS0_ch09

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH
Test Standard:	FCC 15.205&15.209
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40% rH; Temperature: 20 °C
Operator Name:	Maa
EUT:	S03_C01+S05_C01, laying
Operating Mode:	TX-on
Power supply:	12 V DC
Comment:	n20-mode MCS0; ch09; 2452 MHz
Verdict:	Passed

EUT Information

PMT number:	23-1-00439S03_C01
Power:	12 V DC



Radiated field strength emissions above 1 GHz

4.01a_b-mode_1 Mbps_ch01

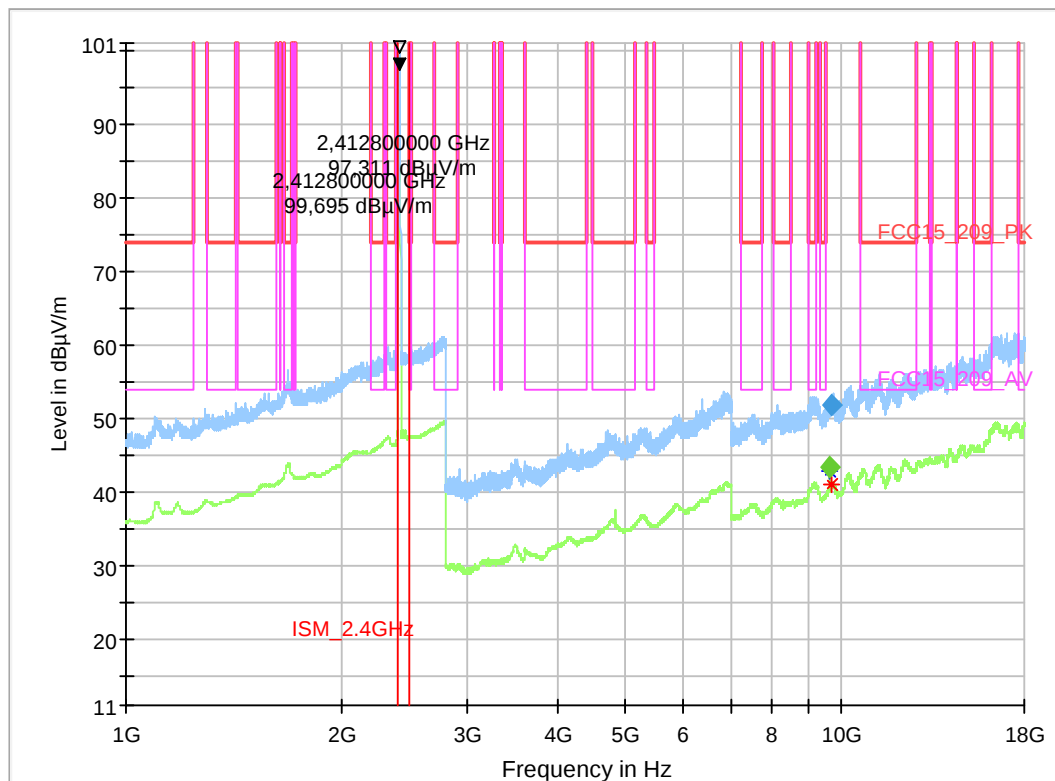
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	TX, continuous
Set-up no.	b-mode 1 Mbps; ch01; 2412 MHz
Operator:	LAB/ ASa
Comment:	Channel no.1
Comment2:	b-mode 1 Mbps; ch01; 2412 MHz
Environmental Conditions:	Humidity: 60% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00516S03_C01
Power Supply:	12 V DC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
9647.610000	---	43.24	150.00	106.76	100.0	1000.000	155.0	V	313.0	90.0
9653.610000	51.83	---	150.00	98.17	100.0	1000.000	155.0	V	91.0	0.0

4.01b_b-mode_1 Mbps_ch01_AntH

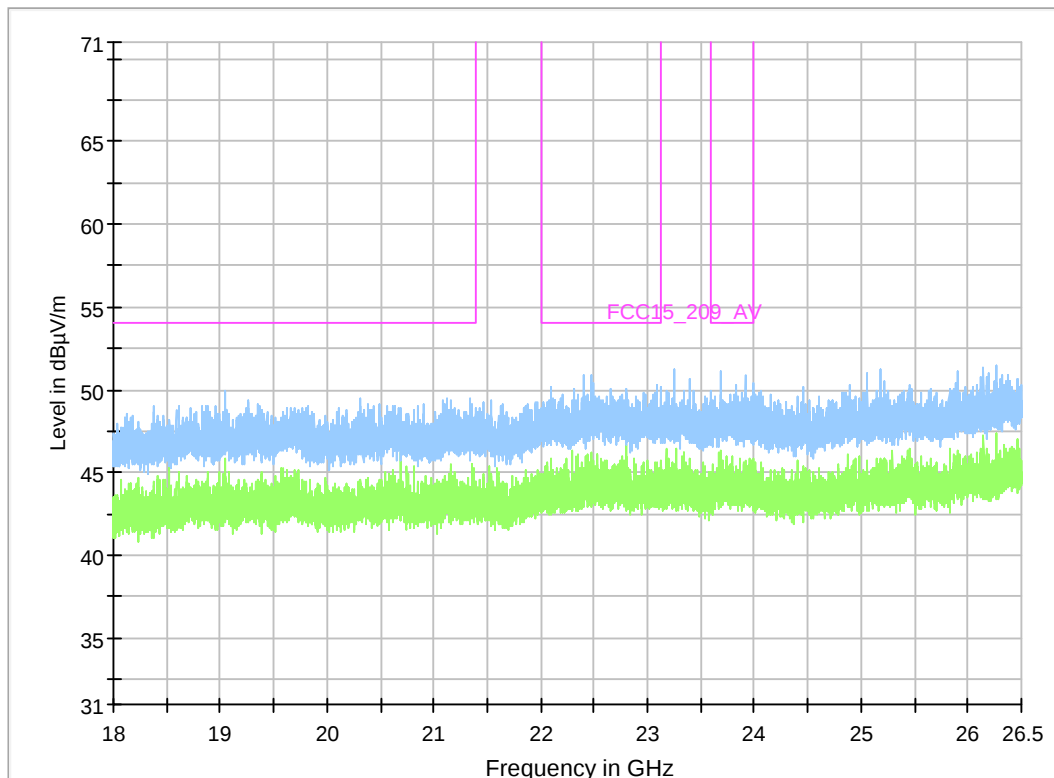
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	b-mode 1 Mbps; ch01; 2412 MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	SOz
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



4.01c_b-mode_1 Mbps_ch01_AntV

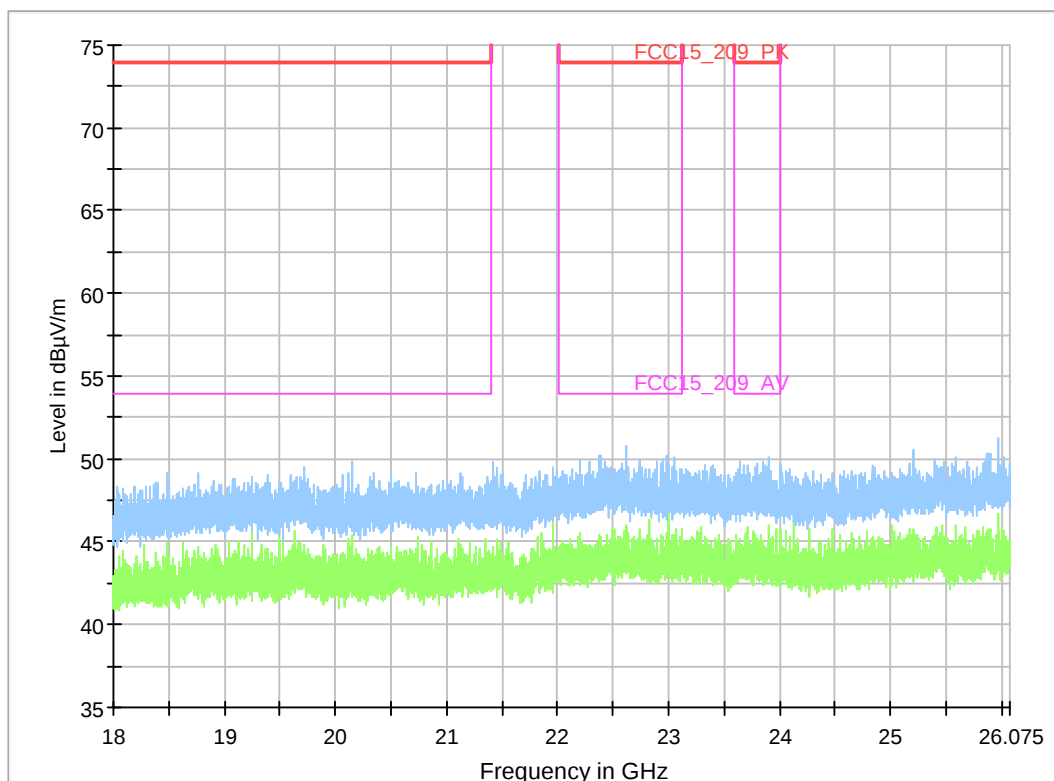
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	b-mode 1 Mbps; ch01; 2412 MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
Power:	12 V DC

Full Spectrum



4.02a_g-mode_6Mbps_ch06

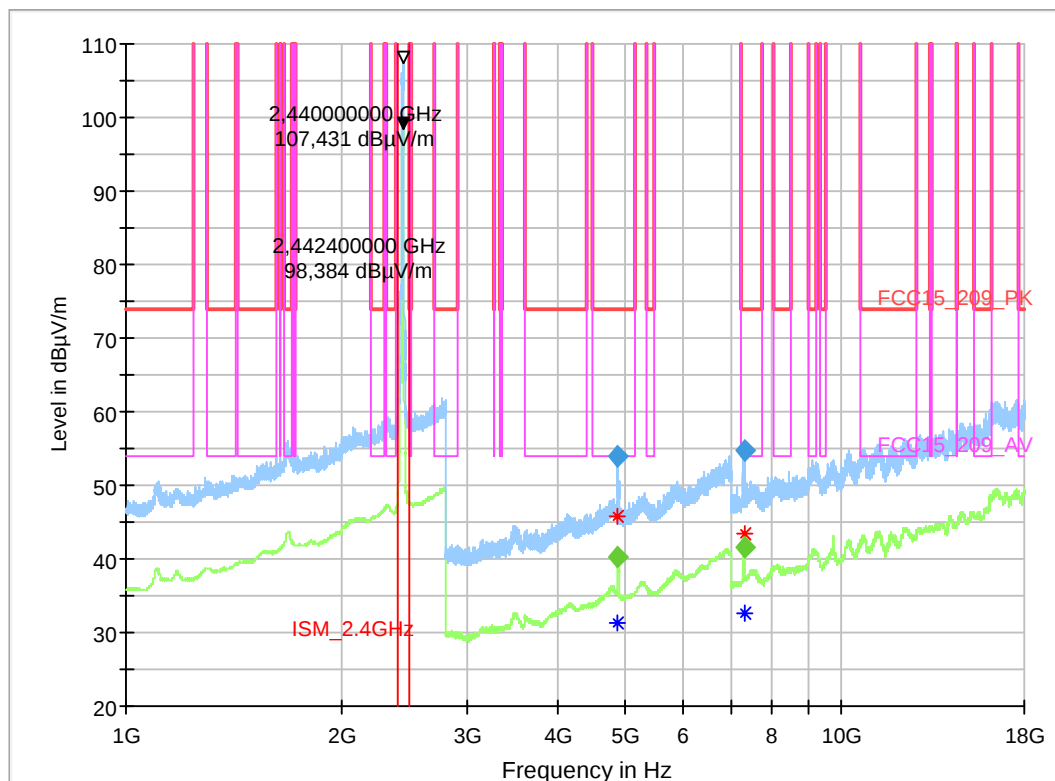
Common Information

Test Description: Radiated field strength emission in 3m distance
Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard: FCC 15.247&15.209
Antenna polarisation: horizontal/vertical
Operating Mode: g-mode 6 Mbps; ch06; 2437 MHz
Operator: ASa
Environmental Conditions: Humidity: 60% rH; Temperature: 20 °C
Verdict: Passed

EUT Information

PMT Sample Nr: 23-1-00439S02_C01
Power Supply: 12 V DC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
4871.610000	---	40.37	54.00	13.63	100.0	1000.000	155.0	V	45.0	90.0
4872.570000	53.97	---	74.00	20.03	100.0	1000.000	155.0	V	47.0	90.0
7312.890000	---	41.48	54.00	12.52	100.0	1000.000	155.0	H	0.0	90.0
7315.410000	54.74	---	74.00	19.26	100.0	1000.000	155.0	H	-3.0	90.0

4.02b_g-mode_6Mbps_ch06_AntH

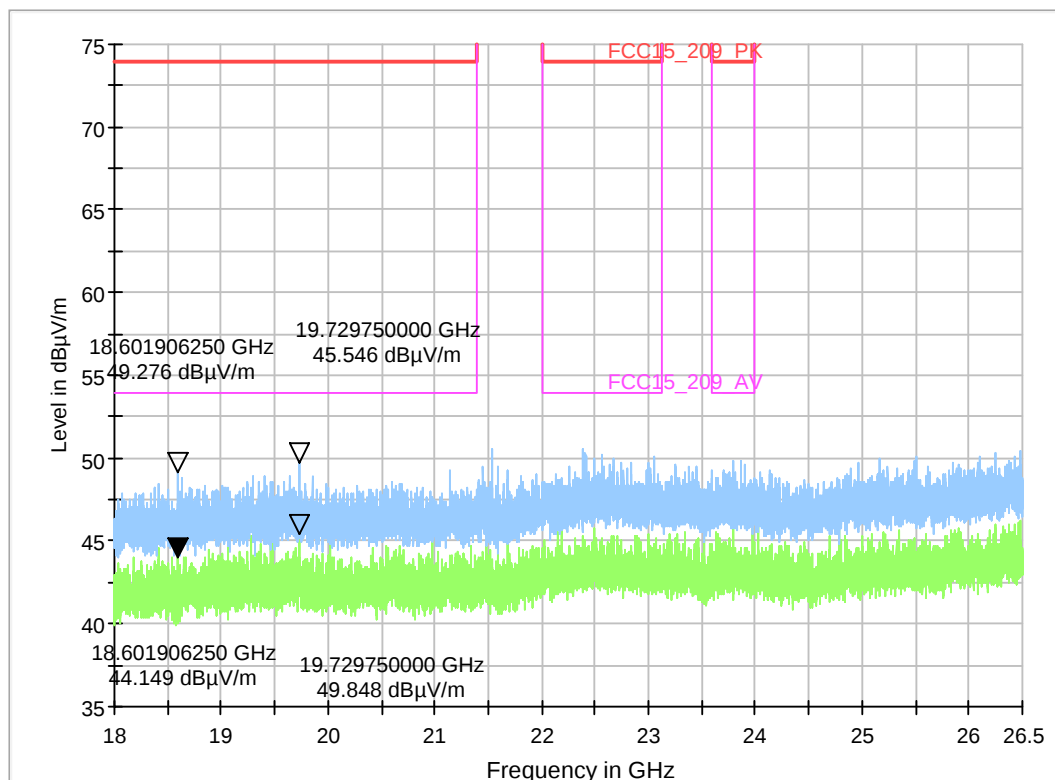
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	g-mode 6Mbps; ch06; 2437MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	SOZ
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.02c_g-mode_6Mbps_ch06_AntV

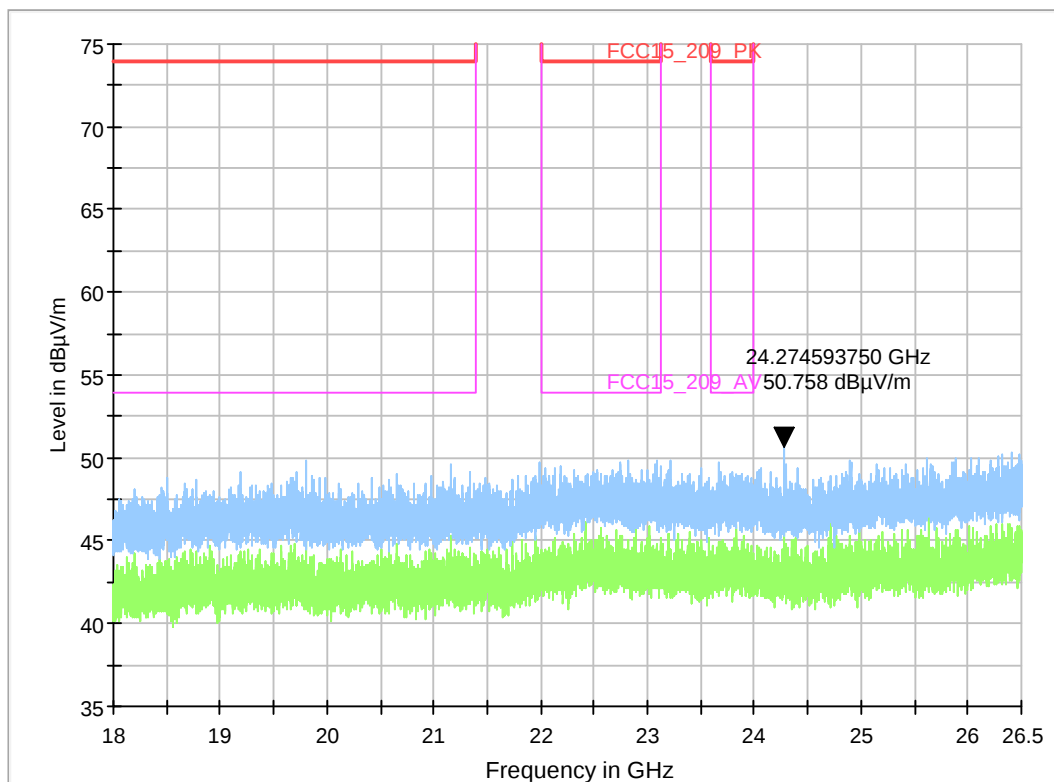
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	b-mode 1 Mbps; ch01; 2412 MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	SOZ
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.03a_n-mode_MCS0_ch11

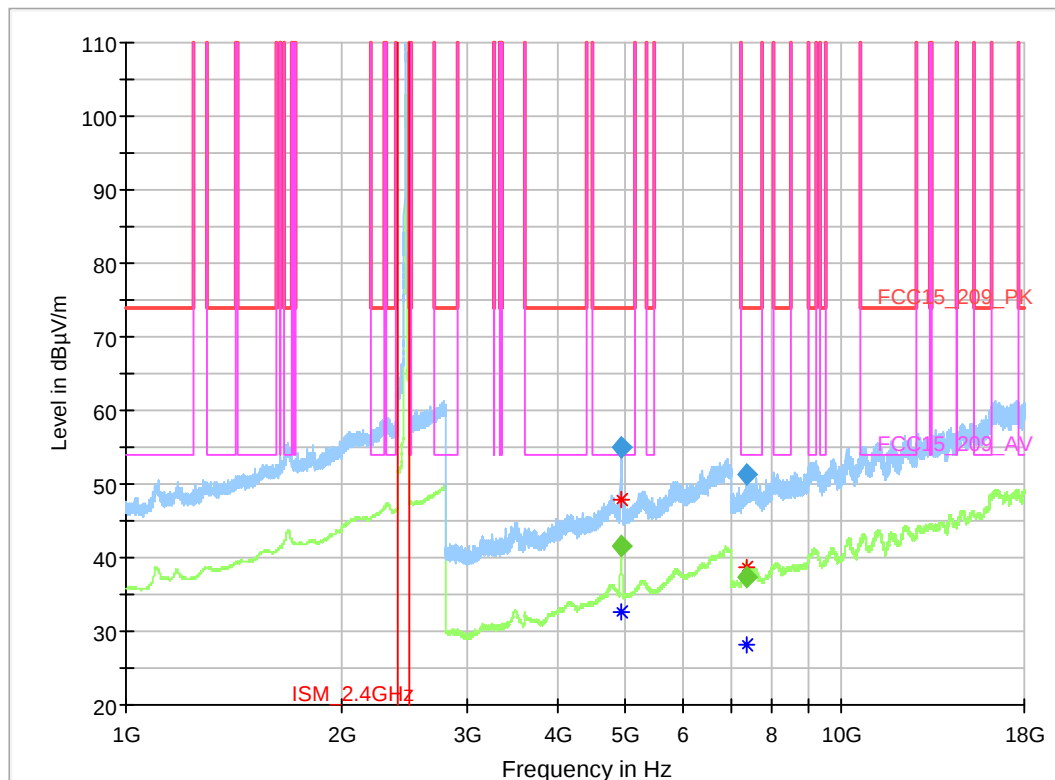
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n20-mode MCS0; ch11; 2462 MHz
Operator:	MNu / PSt
Comment:	Channel no. low
Environmental Conditions:	Humidity : 52% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
4924.730000	---	41.50	54.00	12.50	100.0	1000.000	155.0	V	42.0	90.0
4925.050000	54.89	---	74.00	19.11	100.0	1000.000	155.0	V	40.0	90.0
7373.770000	51.40	---	74.00	22.60	100.0	1000.000	155.0	H	310.0	90.0
7379.770000	---	37.25	54.00	16.75	100.0	1000.000	155.0	H	314.0	90.0

4.03b_n-mode_MCS0_ch11_AntH

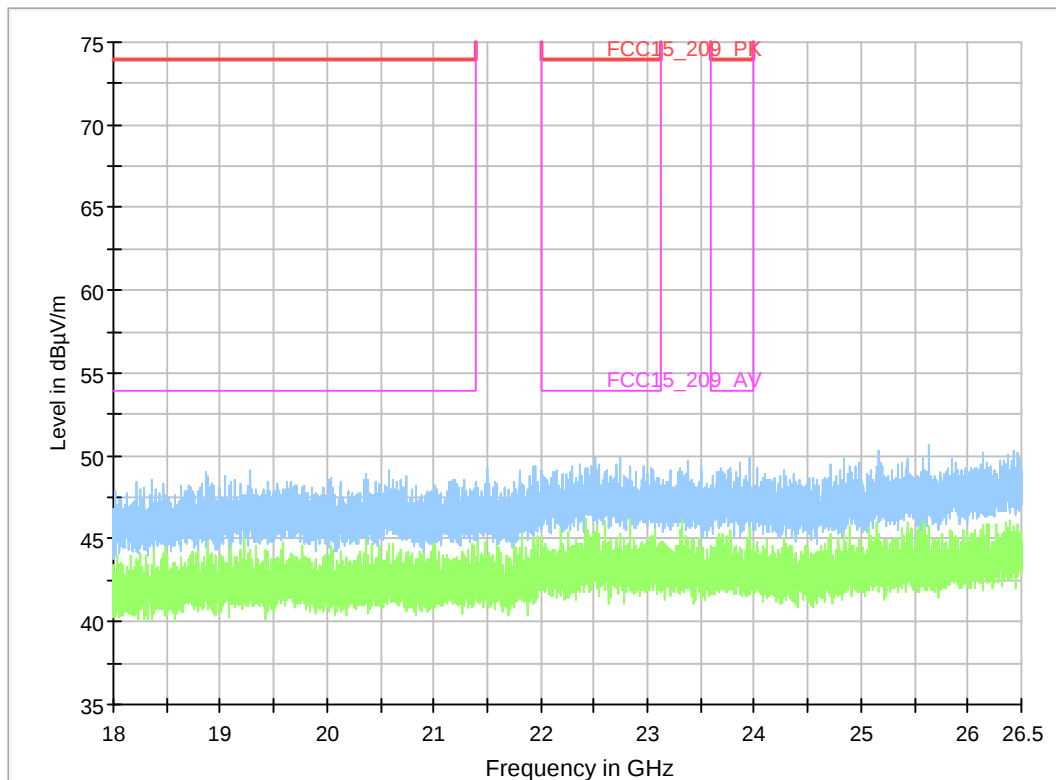
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n20-mode MCS0; ch11; 2462 MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	SOz
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.03c_n-mode_MCS0_ch11_AntV

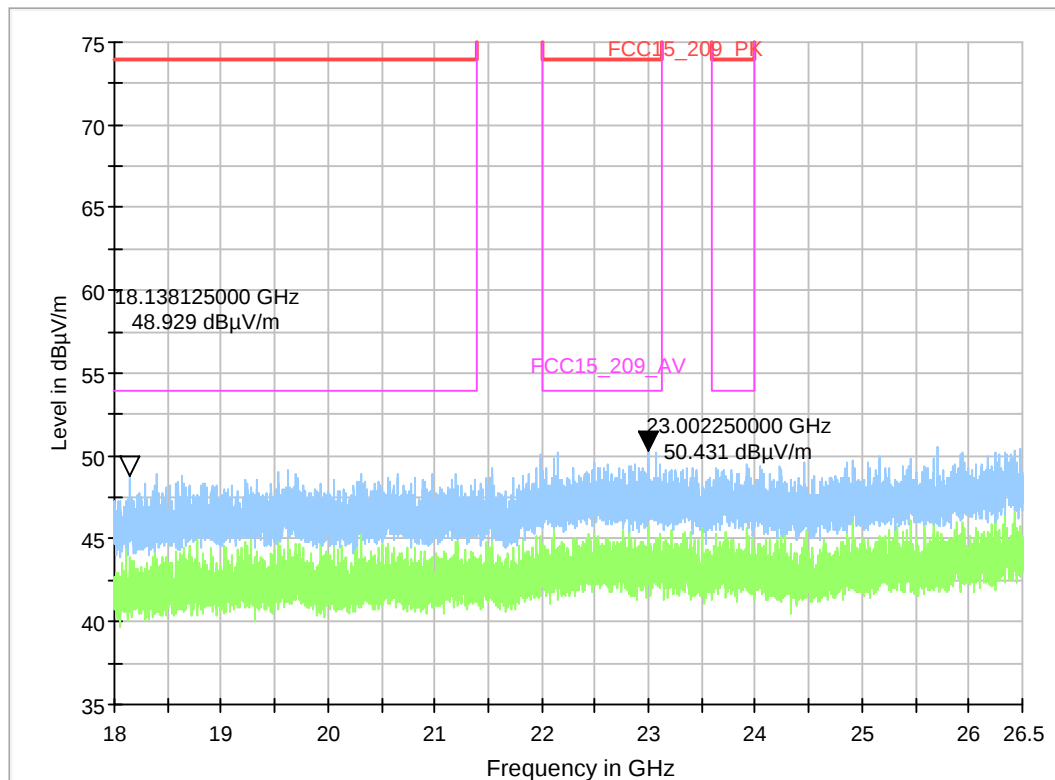
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n20-mode MCS0; ch11; 2462 MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	SOz
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.04a_n40-mode_MCS0_ch03

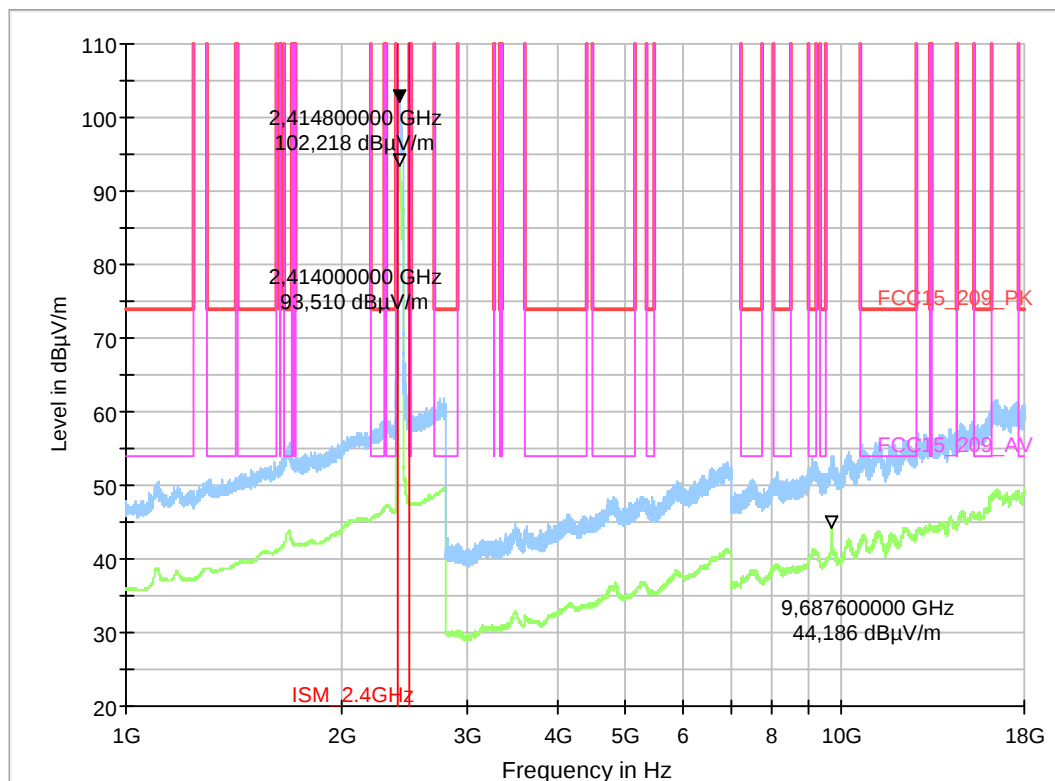
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n40-mode MCS0; ch03; 2422 MHz
Operator:	ASa
Environmental Conditions:	Humidity : 52% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.04b_n40-mode_MCS0_ch03_AntH

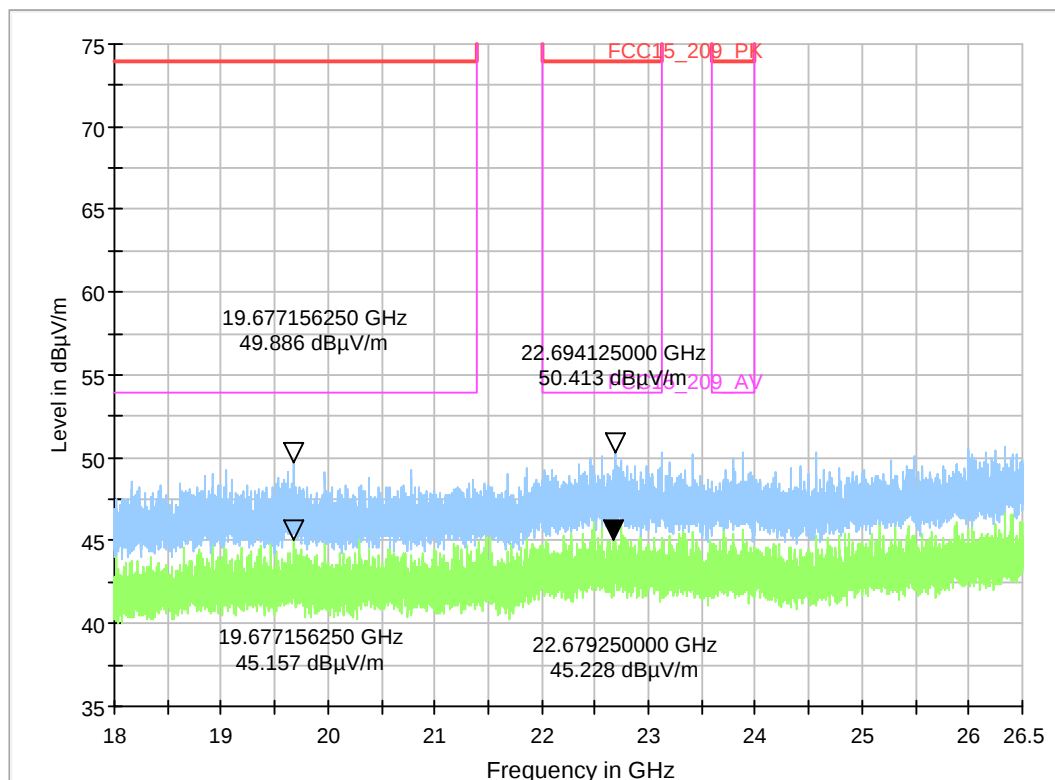
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n40-mode MCS0; ch03; 2422 MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	LAB / DMA
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



4.04c_n40-mode_MCS0_ch03_AntV

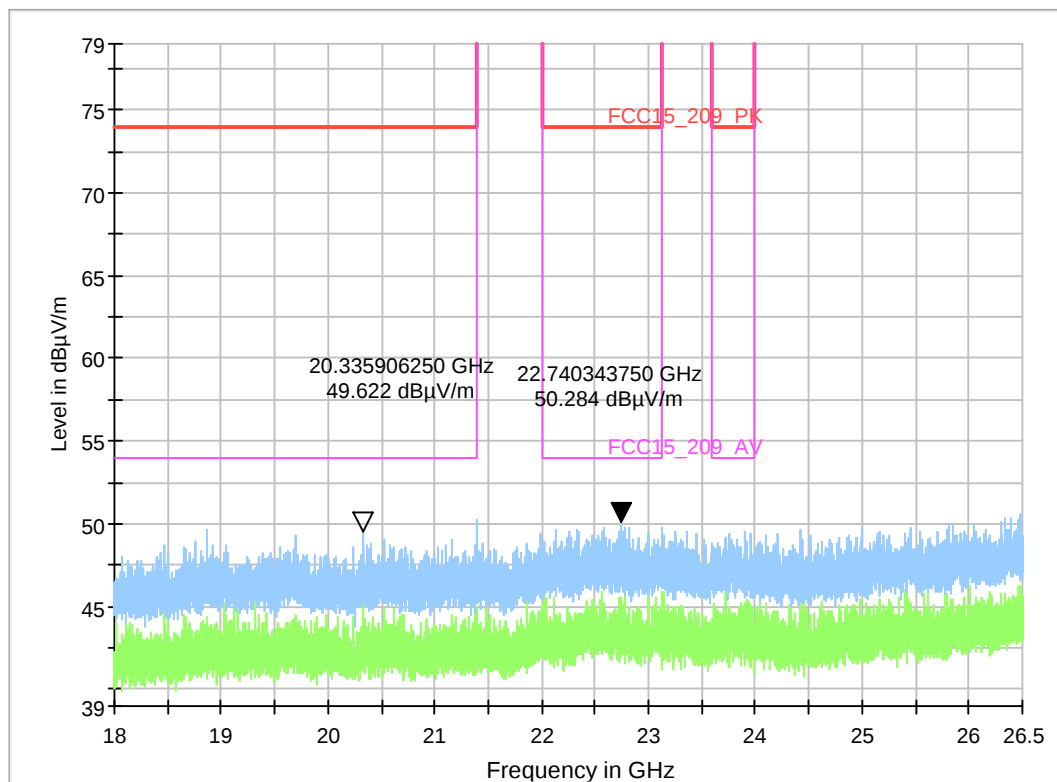
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n40-mode MCS0; ch03; 2422 MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	SOz
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



4.05a_n40-mode_MCS0_ch06

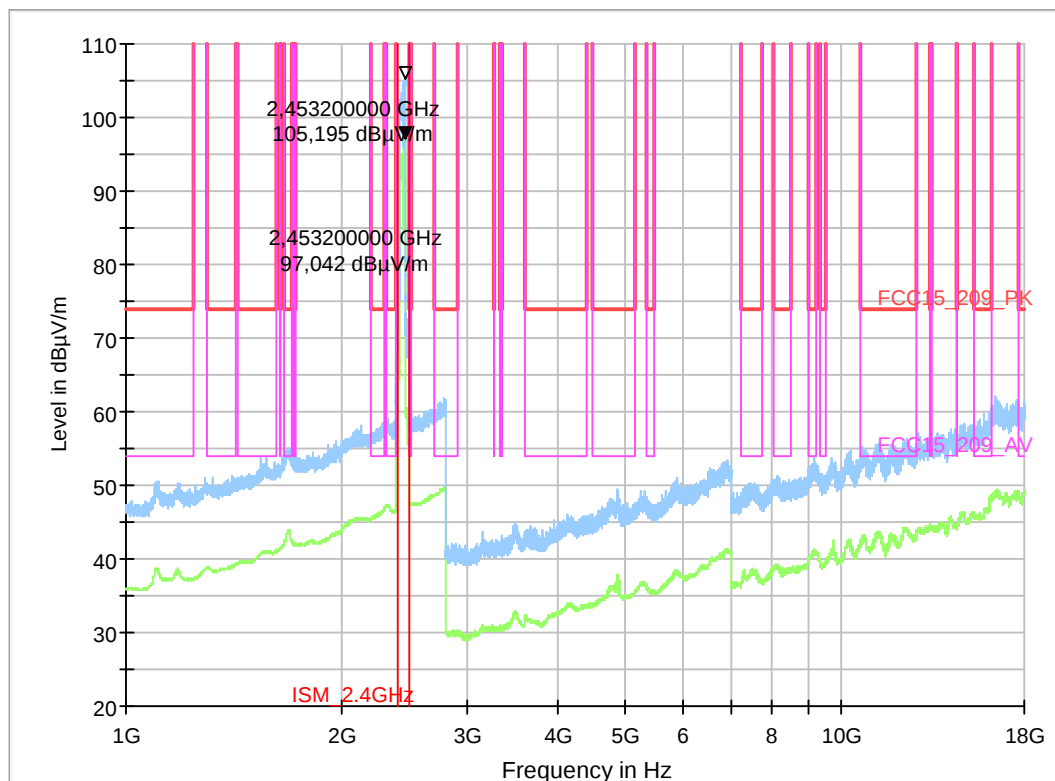
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n40-mode MCS0; ch06; 2437MHz
Operator:	ASa
Environmental Conditions:	Humidity: 52% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.05b_n40-mode_MCS0_ch06_AntH

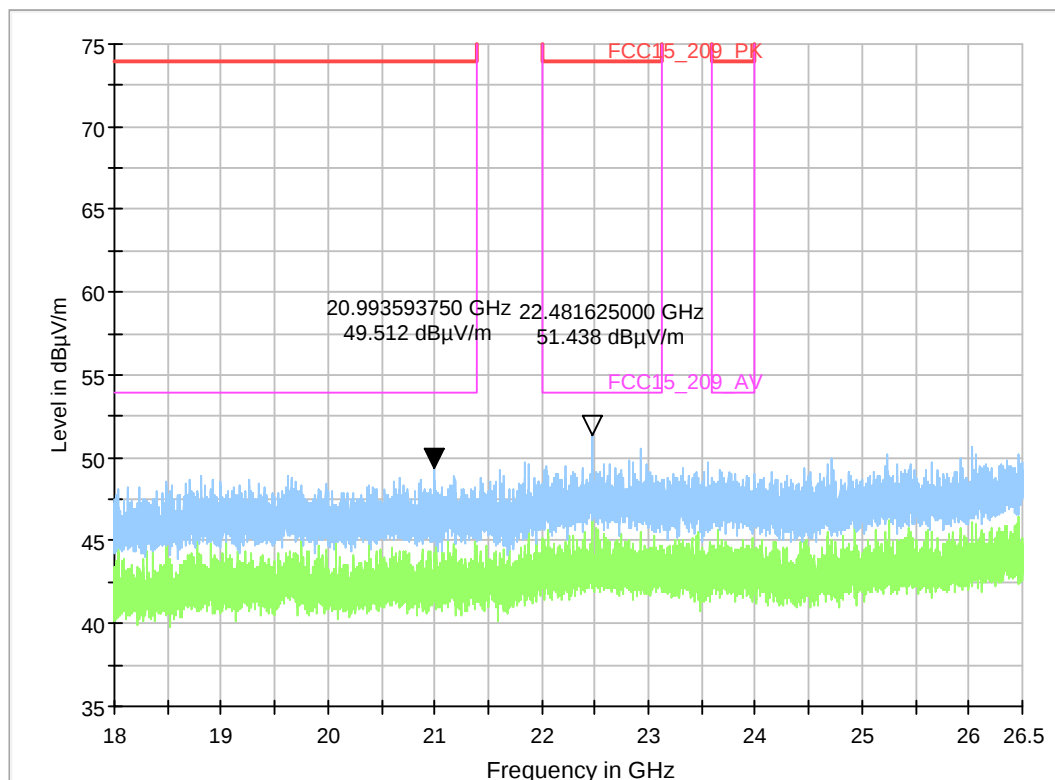
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n40-mode MCS0; ch06; 2437 MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	LAB / DMA
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



4.05c_n40-mode_MCS0_ch06_AntV

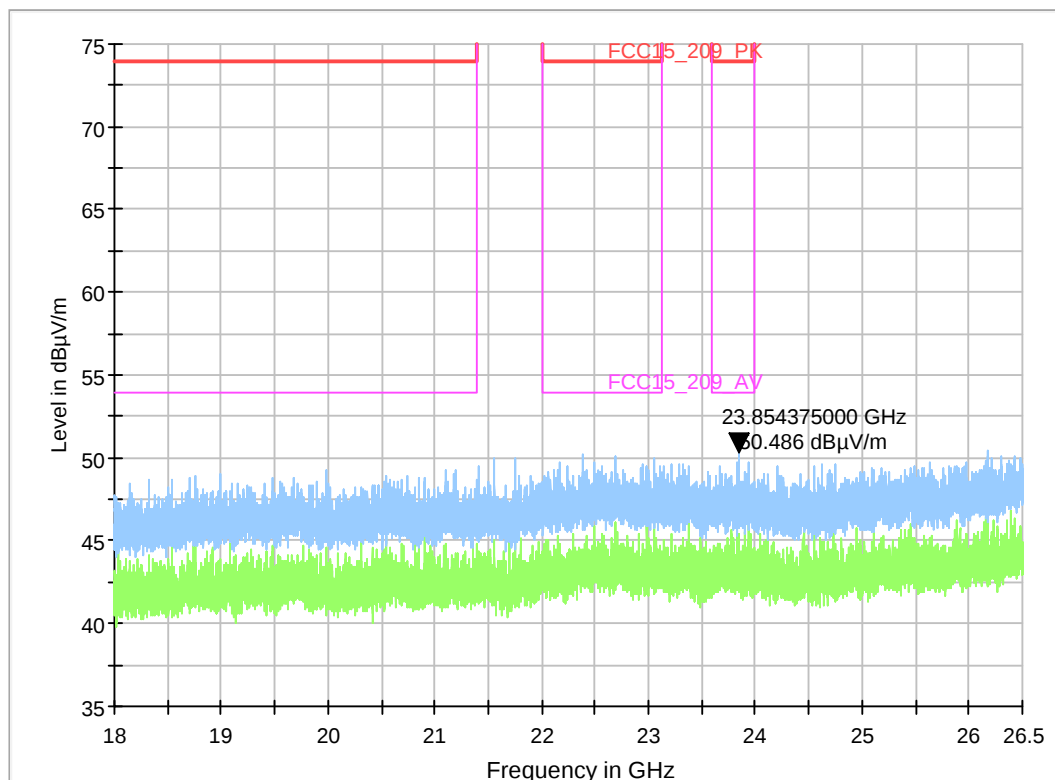
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n40-mode MCS0; ch6; 2437MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	Dma
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



4.06a_n40-mode_MCS0_ch09

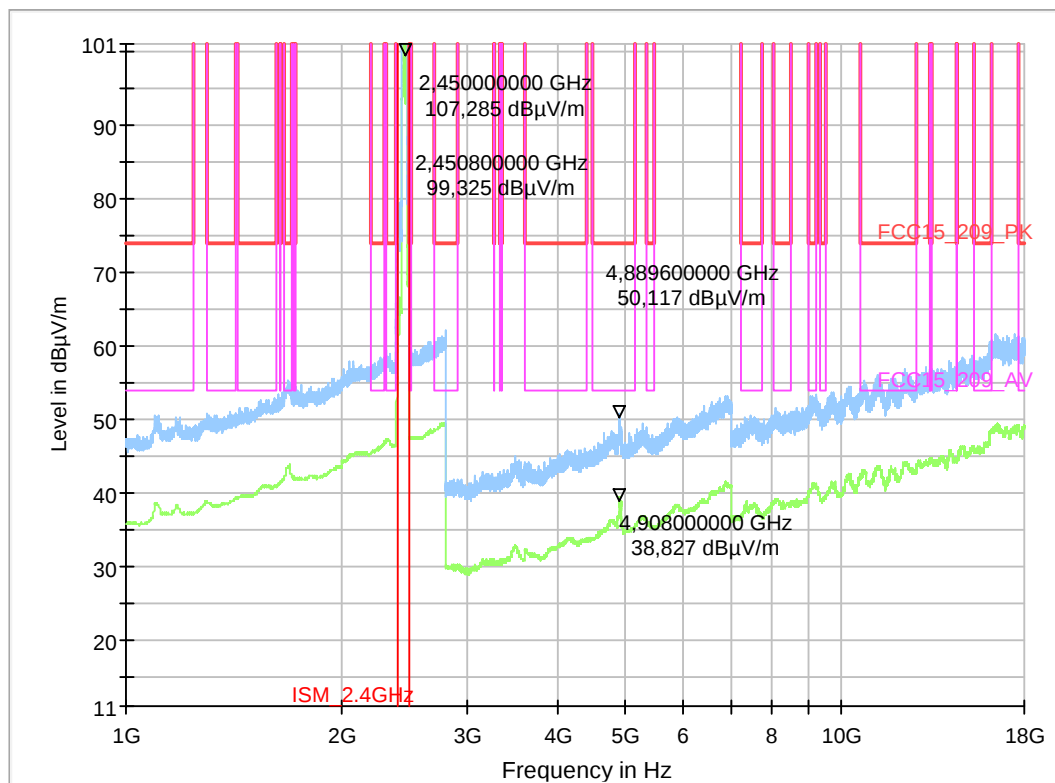
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n40-mode MCS0; ch09; 2452 MHz
Operator:	Maa
Environmental Conditions:	Humidity: 52% rH; Temperature: 21 °C
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



4.06b_n40-mode_MCS0_ch09_AntH

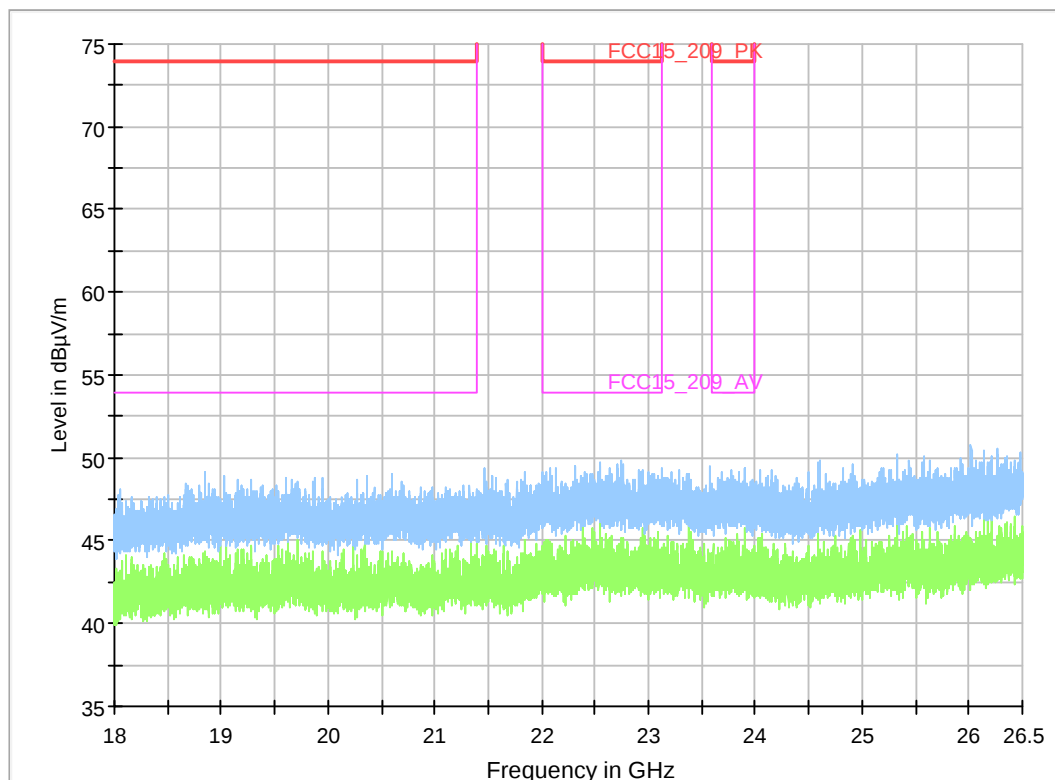
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n40-mode MCS0; ch09; 2452 MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	LAB / DMA
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



4.06c_n40-mode_MCS0_ch09_AntV

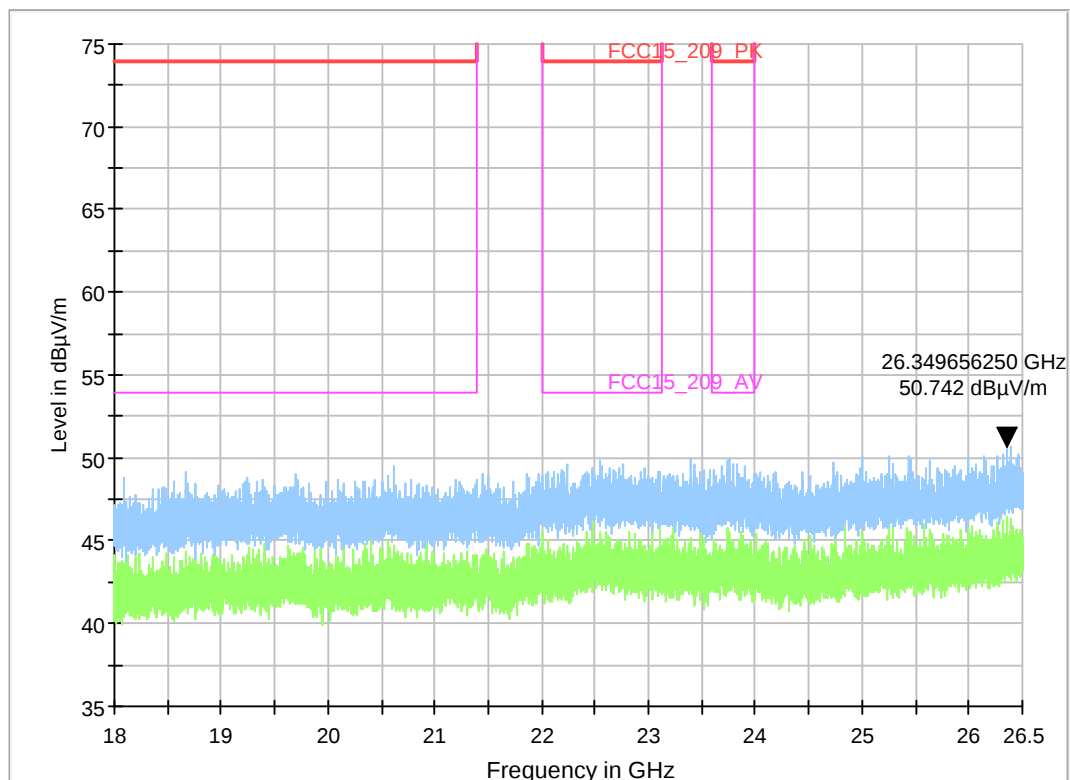
Common Information

Test Description:	Radiated Field Strength Emission@3m distance
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC 15.209
Operating Mode:	n40-mode MCS0; ch09; 2452 MHz
Environmental Conditions:	Humidity: 50% rH; Temperature: 20.1 °C
SW-Version:	EMC32 V10.60.20
Operator:	DMA
Verdict:	Passed

EUT Information

PMT Sample Nr.	23-1-00439S02_C01
power:	12 V DC

Full Spectrum



Radiated Band-Edge emissions

9.01a_b-mode_1 Mbps_ch01

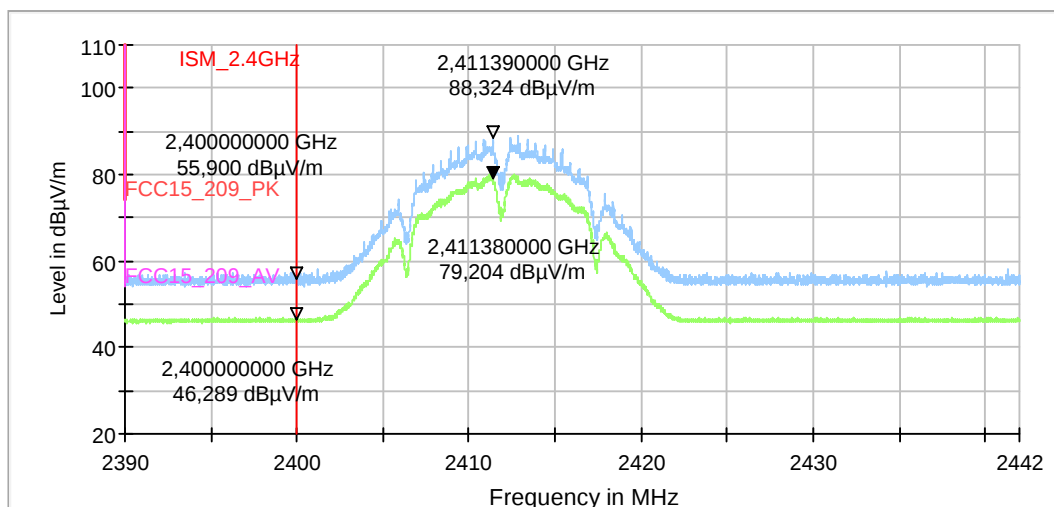
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	b-mode 1 Mbps; ch01; 2412 MHz bdwlan30 Originaldatei / ForcedGain / Gain Index 3
Operator:	SOz
Comment:	Channel no. low
Comment2:	Humidity:52% rH; Temperature: 21 °C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



9.02a_g-mode_6Mbps_ch01

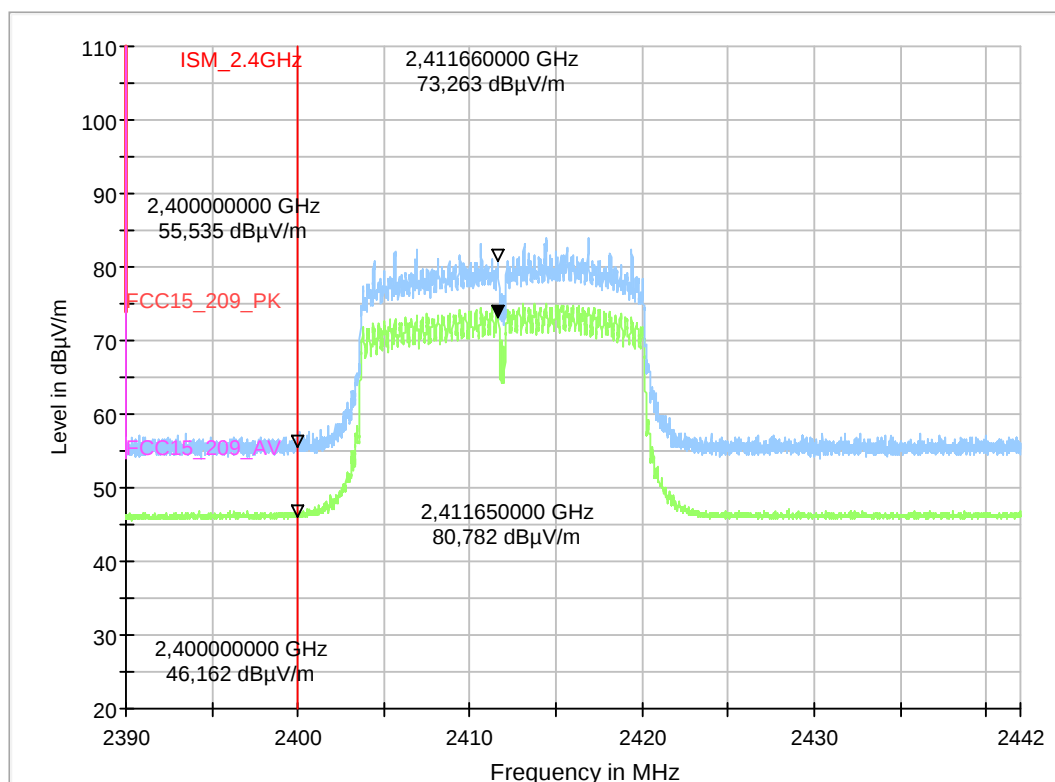
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	g-mode 6 Mbps; ch01; 2412 MHz
Operator:	SOz
Comment:	Channel no. low
Comment2:	Humidity:52% rH; Temperature: 21 °C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



9.03a_n-mode_MCS0_ch01

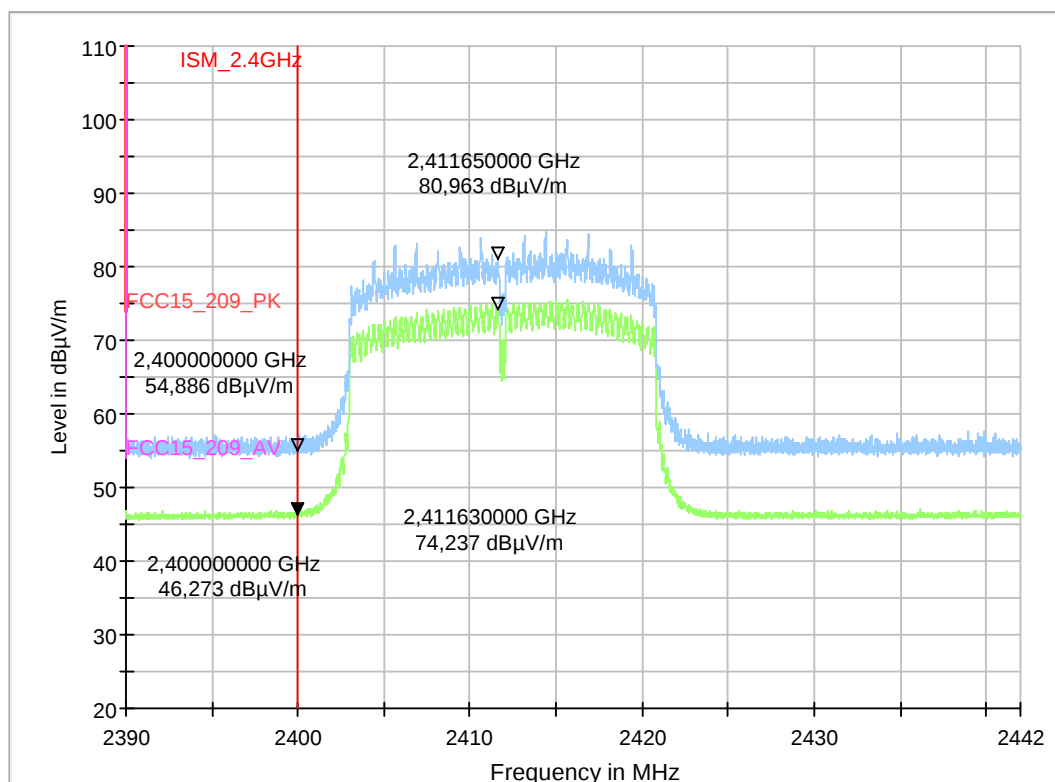
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n20-mode MCS0; ch01; 2412MHz
Operator:	SOz
Comment:	Channel no. low
Comment2:	Humidity:52% rH; Temperature: 21 °C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



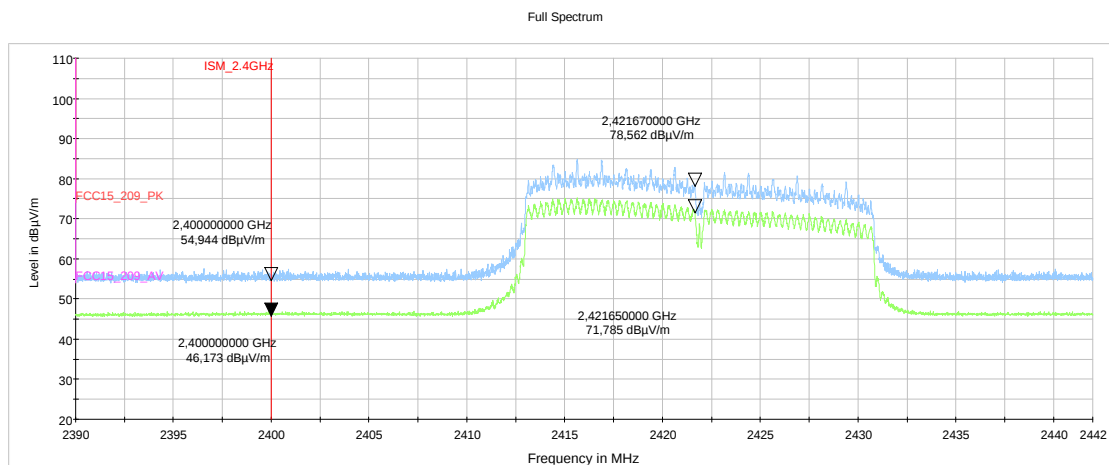
9.04a_n40-mode_MCS0_ch03

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n40-mode MCS0; ch03; 2422MHz
Operator:	SOz
Comment:	Channel no. low
Comment2:	Humidity:52% rH; Temperature: 21 °C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC



9.05a_b-mode_1 Mbps_ch11

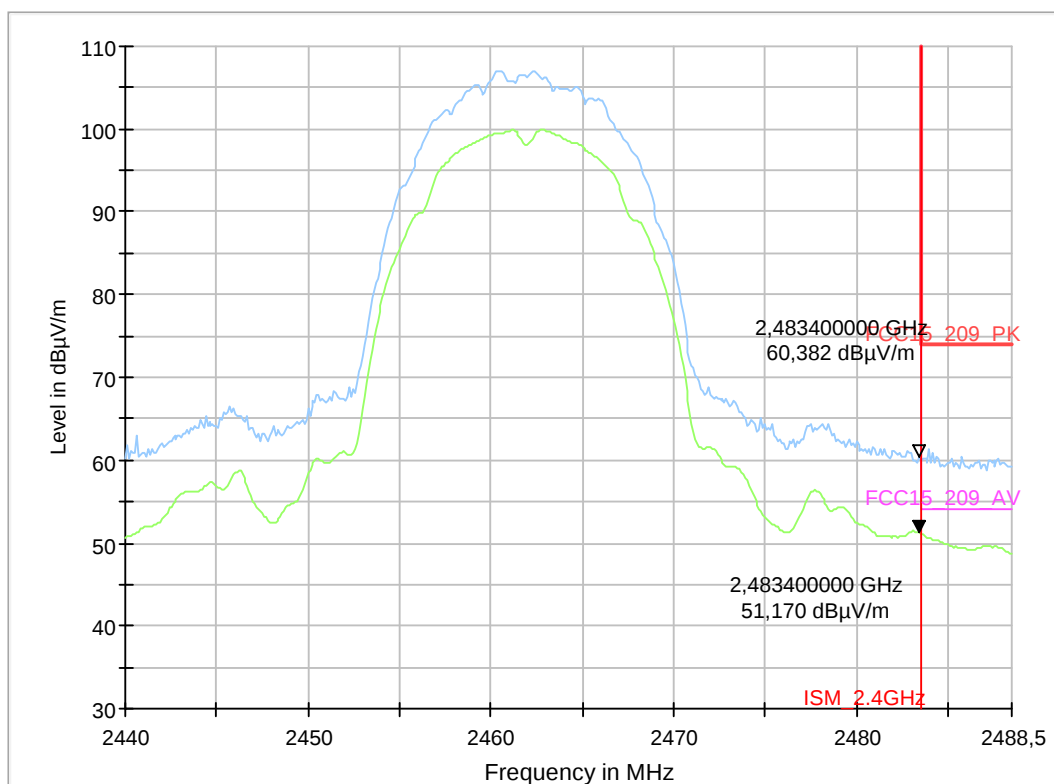
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	b-mode 1 Mbps; ch11; 2462 MHz
Operator:	SOz
Comment:	Channel no. high
Comment2:	Humidity:52% rH; Temperature: 21 °C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



9.06a_g-mode_6Mbps_ch11

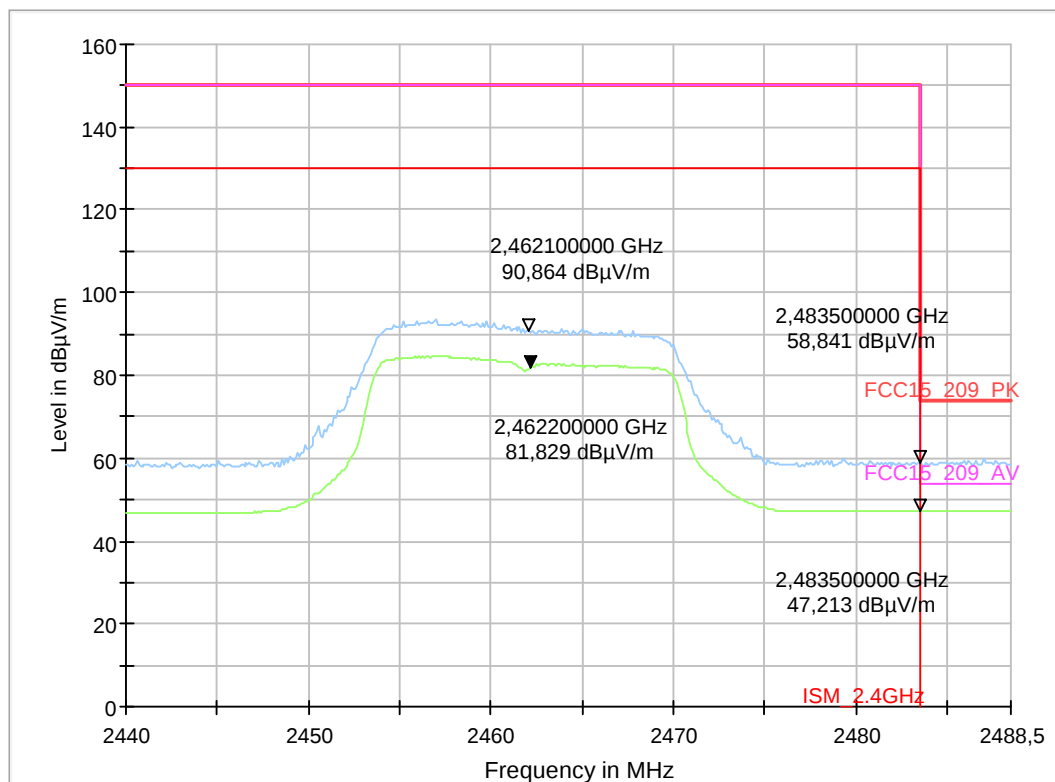
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	g-mode 6 Mbps; ch11; 2462 MHz
Operator:	SOz
Comment:	Channel no. high
Comment2:	Humidity:52% rH; Temperature: 21 °C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



9.07a_n-mode_MCS0_ch11

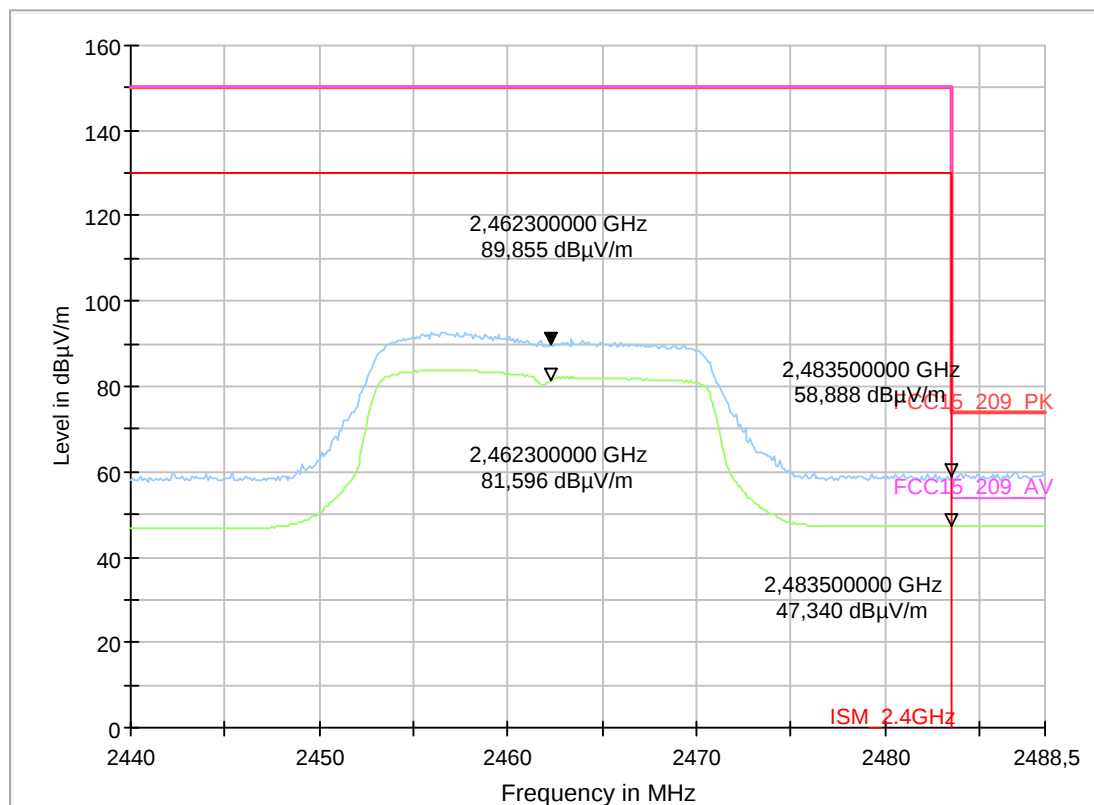
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n20-mode MCS0; ch11; 2462 MHz
Operator:	SOz
Comment:	Channel no. high
Comment2:	Humidity:52%rH; Temperature: 21°C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



9.08a_n40-mode_MCS0_ch09

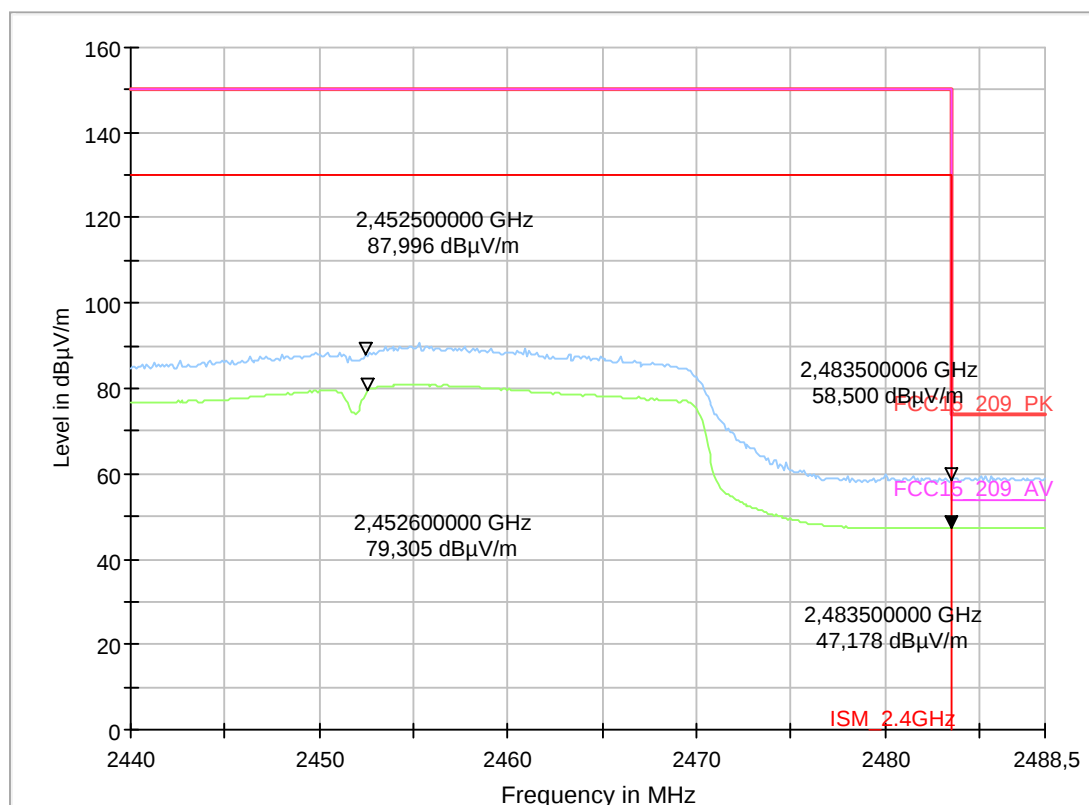
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.247&15.209
Antenna polarisation:	horizontal/vertical
Operating Mode:	n40-mode MCS0; ch09; 2452 MHz
Operator:	SOz
Comment:	Channel no. high
Comment2:	Humidity:52%rH; Temperature: 21°C
EUT Setup:	01
Verdict:	Passed

EUT Information

PMT Sample Nr:	23-1-00439S02_C01
Power Supply:	12 V DC

Full Spectrum



End Of Annex 1