

Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict: PASS			
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.121 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

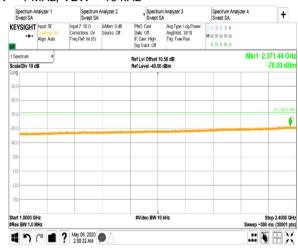
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1
Spectrum Analyzer 2
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectr

10 MHz 3 Non-Overlapping Beams #1

RBW = 1 MHz; VBW = 10 kHz



Plot 7.5.122 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1 Swept SA Spectrum Analyzer 2 Swept SA Spectrum Analyzer 3 Swept SA + Input 2: 50 0 AAtten: 0 dB Corrections: On Freq Ref: Int (S) KEYSIGHT Input RF PNO: Fast Avg Type: Log-Power Gate: Off Avg|Hold: 10/10
IF Gain: High Sig Track: Off Mkr1 2 351 65 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB •1 Start 1.0000 GHz #Res BW 1.0 MHz Video RW 3.0 MHz Stop 2.4000 GHz Sweep ~20.1 ms (30001 pts) 1 9 P May 06, 2020 2:06:34 AM

10 MHz
3 Non-Overlapping Beams
#1

RBW = 1 MHz; VBW = 10 kHz



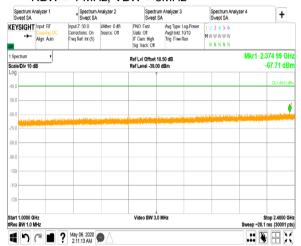


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.123 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

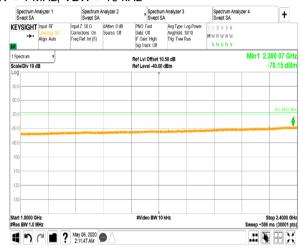
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #1

RBW = 1 MHz; VBW = 10 kHz

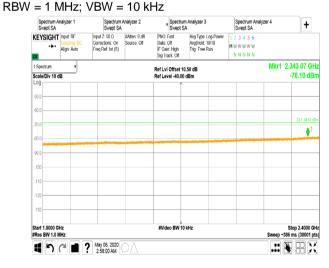


Plot 7.5.124 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT: RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1 Swept SA Spectrum Analyzer 2 Swept SA Spectrum Analyzer 3 Swept SA + Input 2: 50 0 AAtten: 0 dB Corrections: On Freq Ref: Int (S) KEYSIGHT Input RF PNO: Fast Avg Type: Log-Power Gate: Off Avg|Hold: 10/10
IF Gain: High Sig Track: Off Mkr1 2 328 23 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB •1 Start 1.0000 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 2.4000 GHz Sweep ~20.1 ms (30001 pts) ■ 9 May 06, 2020 2:57:28 AM





Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict: PASS			
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.125 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

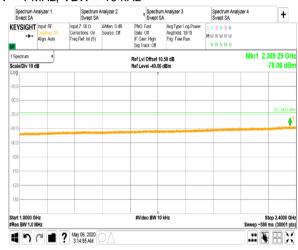
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1
Swept SA
S

10 MHz 3 Non-Overlapping Beams #2

RBW = 1 MHz; VBW = 10 kHz

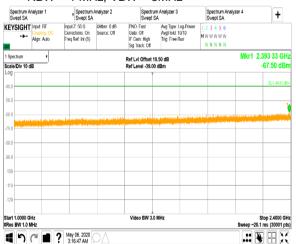


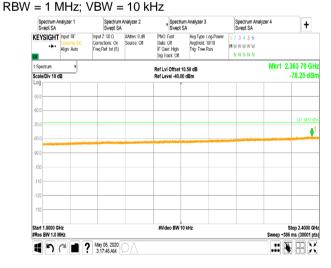
Plot 7.5.126 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz







Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.127 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

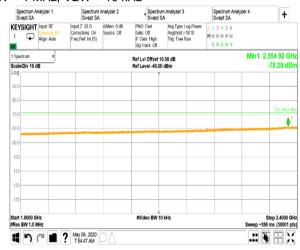
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1
Sept SA
Spectrum Analyzer 2
Sept SA
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Sept SA
Spectrum Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer Analyzer 4
Spectrum Analyzer Anal

10 MHz 3 Non-Overlapping Beams #3

RBW = 1 MHz; VBW = 10 kHz



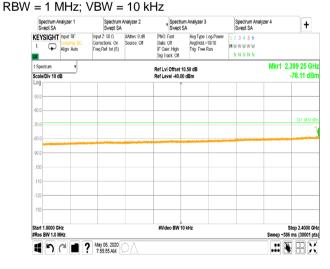
Plot 7.5.128 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1 Swept SA Spectrum Analyzer 2 Swept SA Spectrum Analyzer 3 Swept SA + Input 2: 50 0 AAtten: 0 dB Corrections: On Freq Ref: Int (S) KEYSIGHT Input RF Align Auto Mkr1 2 354 59 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB •1 Start 1.0000 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 2.4000 GHz Sweep ~20.1 ms (30001 pts) ■ ? May 06, 2020 7:55:25 AM



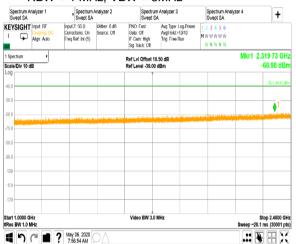


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.129 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

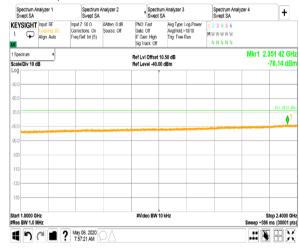


10 MHz 3 Non-Overlapping Beams #3

RBW = 1 MHz; VBW = 10 kHz

3 Non-Overlapping Beams

■ 5 C ■ ? May 06, 2020 ○ △



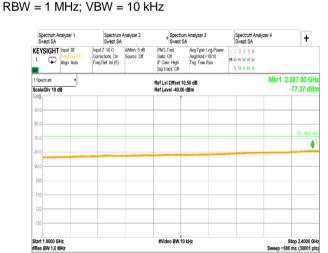
Plot 7.5.130 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency EL BANDWIDTH: 10 MHz

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 2 Swept SA Input 2: 50 0 Affer: 0 d Corrections: On Freq Ref: Int (S) Spectrum Analyzer 3 Swept SA Spectrum Analyzer 1 Swept SA Spectrum Analyzer 4 Swept SA + Avg Type: Log-Por Avg|Hold>10/10 Trig: Free Run KEYSIGHT Input RF Coupling u Align: Auto Mkr1 2.362 43 GHz Scale/Div 10 dB -67.28 dBm •1 Start 1.0000 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 2.4000 GHz Sweep ~20.1 ms (30001 pts) ■ 7 May 06, 2020 Am S.50:00 AM



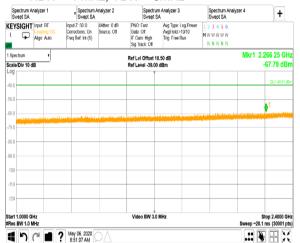


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions					
Test procedure:	ANSI C63.10 section 11.12.2					
Test mode:	Compliance	Verdict: PASS				
Date(s):	28-Jul-19	verdict:	PASS			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC			
Remarks:	-					

Plot 7.5.131 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

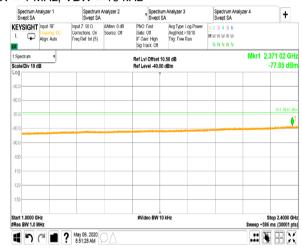
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #4

RBW = 1 MHz; VBW = 10 kHz

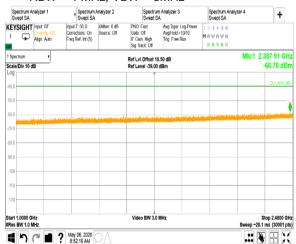


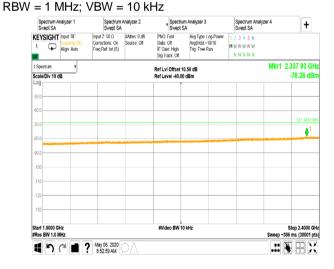
Plot 7.5.132 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz







Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions					
Test procedure:	ANSI C63.10 section 11.12.2					
Test mode:	Compliance	Verdict: PASS				
Date(s):	28-Jul-19	verdict.	PASS			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC			
Remarks:						

Plot 7.5.133 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

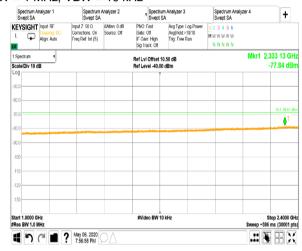
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1
Swept SA
Swept SA
Spectrum Analyzer 2
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 3
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Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer 1
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum

10 MHz 3 Non-Overlapping Beams #5

RBW = 1 MHz; VBW = 10 kHz



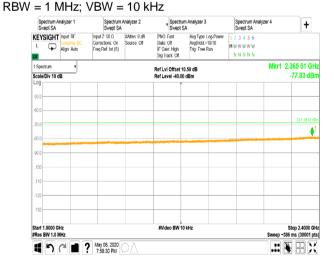
Plot 7.5.134 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1
Spectrum Analyzer 2
Spectrum Analyzer 3
Spectrum Analyzer 4
Sweet SA
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Sweet Sa
Spectrum Analyzer 4
Sweet Swe



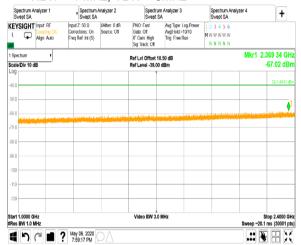


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.135 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

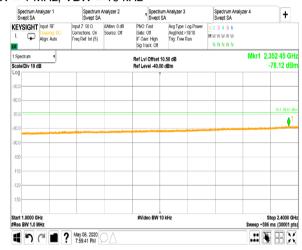
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #5

RBW = 1 MHz; VBW = 10 kHz

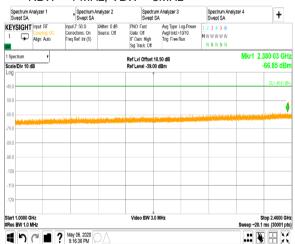


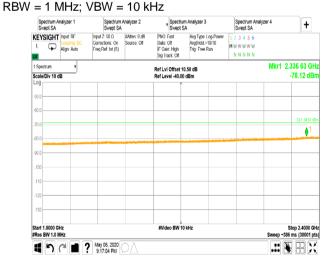
Plot 7.5.136 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz





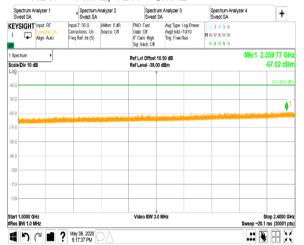


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict: PASS			
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.137 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #6

RBW = 1 MHz; VBW = 10 kHz

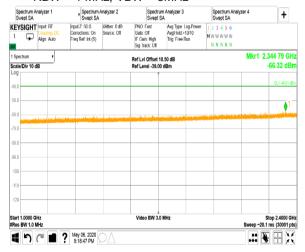


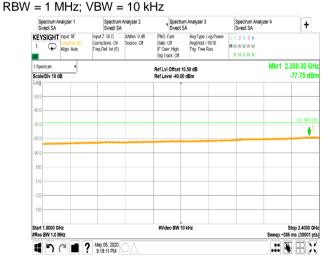
Plot 7.5.138 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz





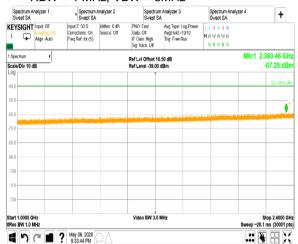


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions					
Test procedure:	ANSI C63.10 section 11.12.2					
Test mode:	Compliance	Verdict: PASS				
Date(s):	28-Jul-19	verdict.	PASS			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC			
Remarks:						

Plot 7.5.139 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

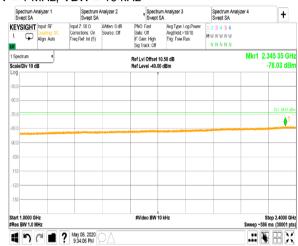
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #7

RBW = 1 MHz; VBW = 10 kHz



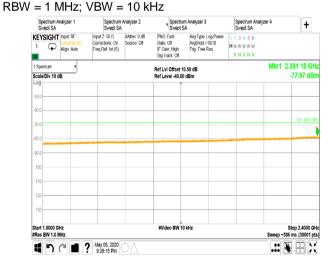
Plot 7.5.140 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

	ectrum A ept SA	nalyzer 1	Spectrum Swept SA	Analyzer 2		Spectrui Swept S	m Analyzer 3 A		Spectrum Ana Swept SA	lyzer 4	+
KEYS	SIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 0 Corrections: On Freq Ref: Int (S)	#Affen: 0 dB Source: Off	PNO Gate: IF Gai Sig Tra	or n: High	Avg Type: Li Avg Hold>1 Trig: Free R	0/10	1 2 3 4 5 6 MWWWWW N N N N N		
1 Spec	frum	,			Ref Lvi	Offset 1	0.50 dB				224 44 GH
Scale/ Log -	Div 10 d	B			Ref Lev	el -39.00	dBm				67.13 dBi
49.0 -											DL1 48.61 dB
59.0										<u></u> 1	
69.0	and a rite	a salaman a salaman		na raisala arabi	م بالارب ال	anca.	فتحدث أحمدوات	la la constituit de			a de la company
79.0	(and a fine sector	ecopy posts inter			1			S. Marie Control			
-89.0											
99.0											
-109											
-119						_					
-129											
	.0000 G BW 1.0 N				Vide	BW 3.0	MHz			Sweep ~20.1	top 2.4000 GF ms (30001 pt
4	ๆ	<u>ا ا</u>	May 06, 2020 9:34:52 PM	ΩΔ						.:: 🖔	



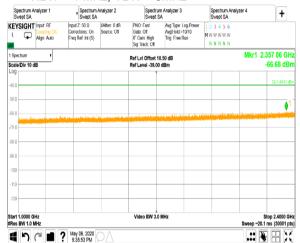


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict: PASS			
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks:					

Plot 7.5.141 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

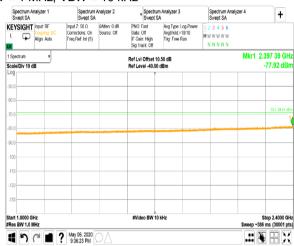
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #7

RBW = 1 MHz; VBW = 10 kHz

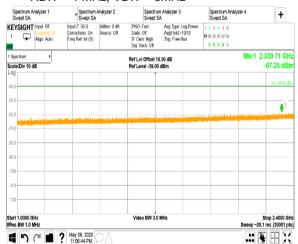


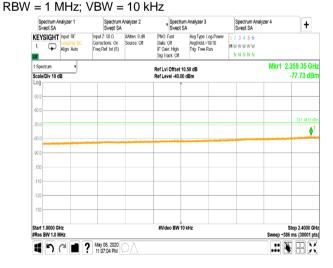
Plot 7.5.142 Spurious emission measurements in 1 - 2.4 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz





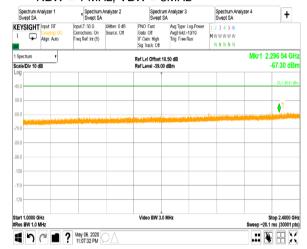


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.143 Spurious emission measurements in 1 - 2.4 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #8

RBW = 1 MHz; VBW = 10 kHz

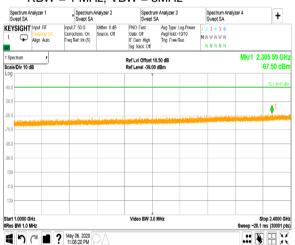


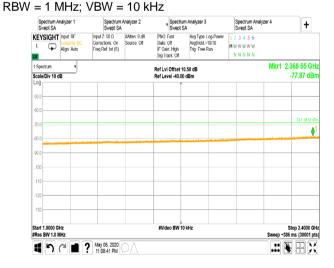
Plot 7.5.144 Spurious emission measurements in 1 - 2.4 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz







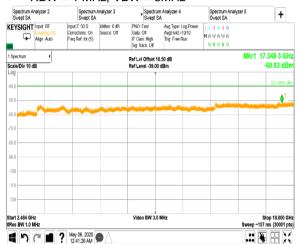
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.145 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

CHANNEL BANDWIDTH:

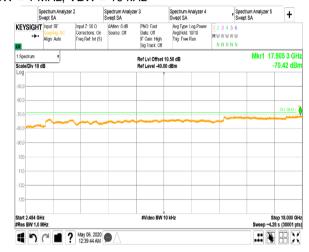
CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz



5 MHz 3 Non-Overlapping Beams #1

RBW = 1 MHz; VBW = 10 kHz



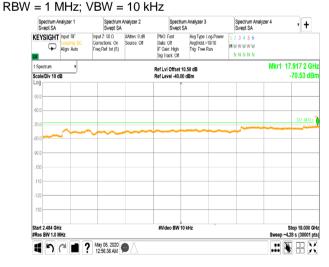
Plot 7.5.146 Spurious emission measurements in 2.4835 - 18 GHz range at mid carrier frequency

CHANNEL BANDWIDTH:

CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1
Spectrum Analyzer 2
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
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Spectrum Analyzer 4
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Spectrum Analyzer 3
Spectrum Analyzer 3
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Spectrum Analyzer 3
Spectrum Analyzer 4
Spectr





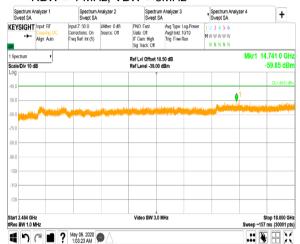
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.147 Spurious emission measurements in 2.4835 - 18 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

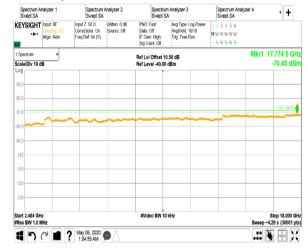
ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz



5 MHz 3 Non-Overlapping Beams #1

RBW = 1 MHz; VBW = 10 kHz



Plot 7.5.148 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

CHANNEL BANDWIDTH:

CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

