

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

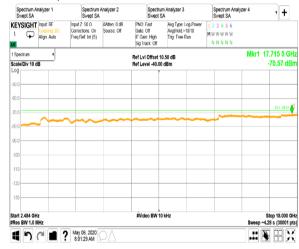
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz

Spectrum Analyzer 1
Spectrum Analyzer 2
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer 3
Spectrum Analyzer 3
Spectrum Analyzer 4
Spectrum Analyzer Analyzer 4
Spectrum Analyzer 4
Spectrum Analyzer An

10 MHz 3 Non-Overlapping Beams #3

RBW = 1 MHz; VBW = 10 kHz



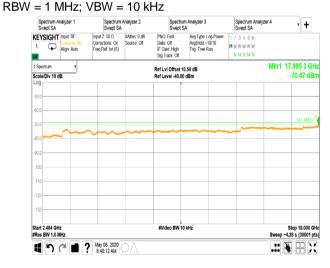
Plot 7.5.178 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

	ectrum A ept SA	nalyzer 1		Spectrum Swept SA	Analyzer 2		Spectrui Swept S	n Analyzer 3 A		Sp Sv	ectrum Ana vept SA	slyzer 4	+
(EYS		Input: RF Coupling: DC Align: Auto	Corre	Z: 50 O ctions: On Ref: Int (S)	#Affen: 0 dB Source: Off	PNO: I Gate: 0 IF Gain Sig Tra	Off	Avg Type: L Avg Hold>1 Trig: Free R	10/10	М₩₩	3 4 5 6 WWWW		,
Spec	frum	,				Ref LvI	Offset 1	0.50 dB				Mkr1	17.450 2 GH
Scale/ Log -	Div 10 d	B				Ref Lev	/el -39.00	dBm					-60.21 dB
49.0													DL1-48.61 d
59.0					principle constant	a calle o los		ainhilata aine	. In a lake o		توسلسي	A Harlestone	1
69.0		- Contract	7		-	a selling year			(to a self-trans	Co., and the			
79.0													
89.0			+				-			-			
99.0													
-109													
-119			_				-			+			
-129													
	.484 GH BW 1.0 N					Video	BW 3.0	MHz				Sweep ~	Stop 18.000 G 157 ms (30001 p
4	5	<u>ا</u> ا		06, 2020 1:01 AM	QΔ								





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

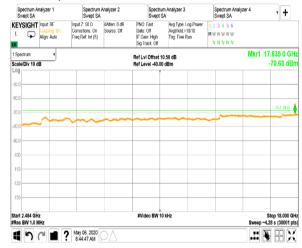
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz

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

10 MHz 3 Non-Overlapping Beams #4

RBW = 1 MHz; VBW = 10 kHz

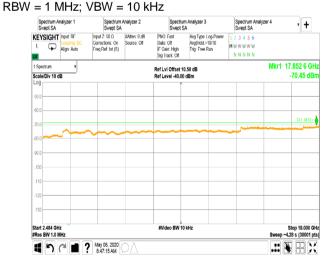


Plot 7.5.180 Spurious emission measurements in 2.4835 - 18 GHz range at high carrier frequency

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 15 483 7 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB •1 Start 2.484 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 18.000 GHz Sweep ~157 ms (30001 pts) May 06, 2020 8:47:36 AM



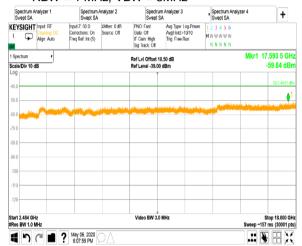


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.181 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

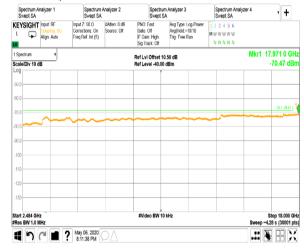
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #5

RBW = 1 MHz; VBW = 10 kHz

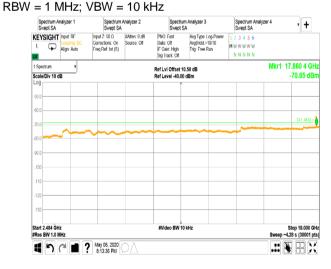


Plot 7.5.182 Spurious emission measurements in 2.4835 - 18 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz

Spectrum Analyzer 1 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 14 564 6 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB 59.36 dBn •1 Start 2.484 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 18.000 GHz Sweep ~157 ms (30001 pts) ■ ? May 06, 2020 8:12:32 PM





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

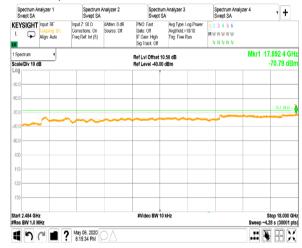
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

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
Spectrum Analyzer A
Spectr

10 MHz 3 Non-Overlapping Beams #5

RBW = 1 MHz; VBW = 10 kHz



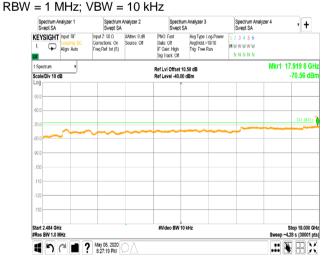
Plot 7.5.184 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

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 Align Auto Mkr1 16 572 0 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB -60.41 dBm Start 2.484 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 18.000 GHz Sweep ~157 ms (30001 pts) May 06, 2020 8:25:45 PM





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

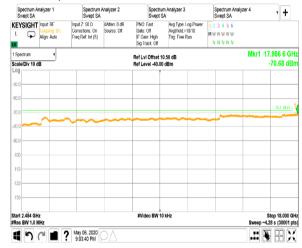
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz

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

10 MHz 3 Non-Overlapping Beams #6

RBW = 1 MHz; VBW = 10 kHz

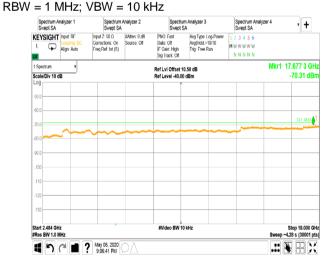


Plot 7.5.186 Spurious emission measurements in 2.4835 - 18 GHz range at high carrier frequency

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 17 532 4 GHz Ref Lvi Offset 10.50 dB Ref Level -39.00 dBm Scale/Div 10 dB -60.52 dBn **∮**¹ Start 2.484 GHz #Res BW 1.0 MHz Video BW 3.0 MHz Stop 18.000 GHz Sweep ~157 ms (30001 pts) May 06, 2020 9:04:35 PM



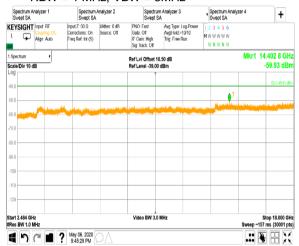


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.187 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

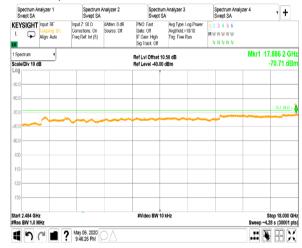
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #7

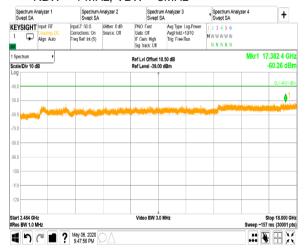
RBW = 1 MHz; VBW = 10 kHz

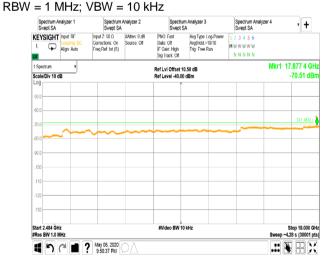


Plot 7.5.188 Spurious emission measurements in 2.4835 - 18 GHz range at mid carrier frequency

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

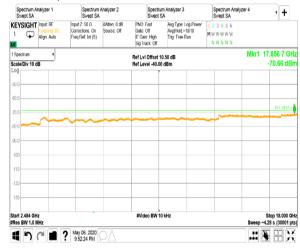
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz

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

10 MHz 3 Non-Overlapping Beams #7

RBW = 1 MHz; VBW = 10 kHz

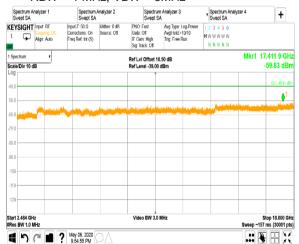


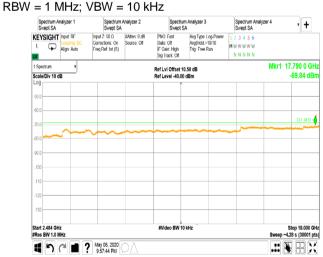
Plot 7.5.190 Spurious emission measurements in 2.4835 - 18 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz





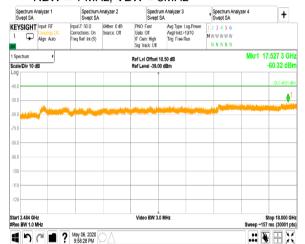


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.191 Spurious emission measurements in 2.4835 - 18 GHz range at mid carrier frequency

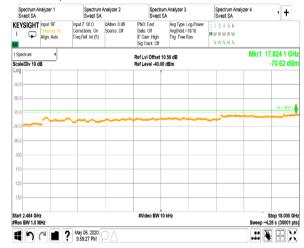
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3MHz



10 MHz 3 Non-Overlapping Beams #8

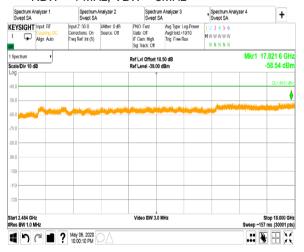
RBW = 1 MHz; VBW = 10 kHz



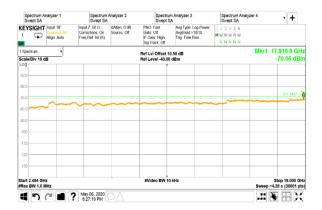
Plot 7.5.192 Spurious emission measurements in 2.4835 - 18 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3MHz



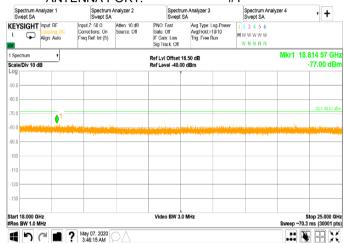
10 MHz 3 Non-Overlapping Beams #8 RBW = 1 MHz; VBW = 10 kHz



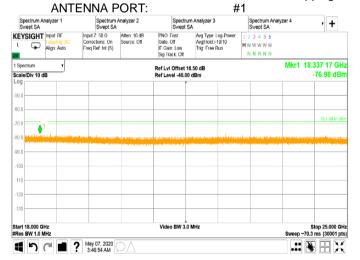


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.193 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



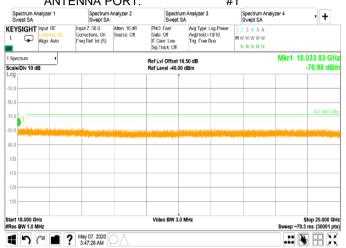
Plot 7.5.194 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



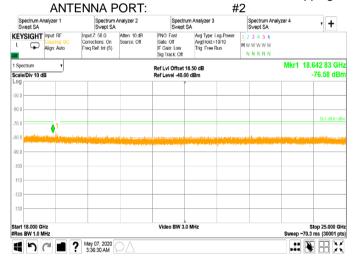


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.195 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



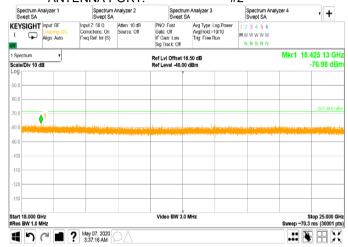
Plot 7.5.196 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



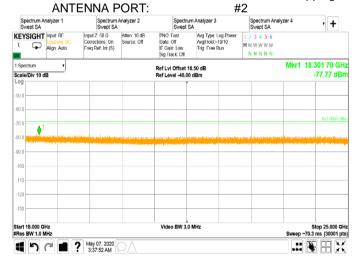


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.197 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



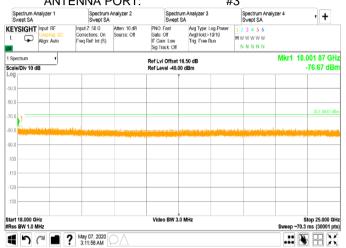
Plot 7.5.198 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



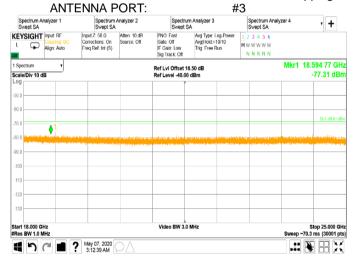


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions		
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Verdict: PASS	
Date(s):	28-Jul-19	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.199 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



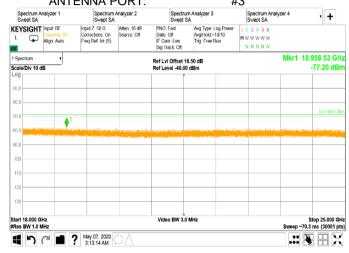
Plot 7.5.200 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency





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 7.5.201 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



Plot 7.5.202 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

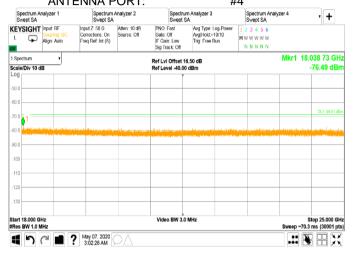
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 3 Non-Overlapping Beams

ANTENNA PORT: #4 Spectrum Analyzer 2 Swept SA Input 2: 50 0 Aften: 10 di Corrections: On Freq Ref: Int (S) Spectrum Analyzer 4 Swept SA Spectrum Analyzer 1 Swept SA PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold:>10/10 Trig: Free Run KEYSIGHT Input RF Coupling: D Align: Auto 1 Spectrum Scale/Div 10 dB Mkr1 18.716 33 GHz Ref Lvi Offset 16.50 dB Ref Level -40.00 dBm -77.36 dB Stop 25.000 GHz Sweep ~70.3 ms (30001 pts) **■** ? May 07, 2020 △



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 7.5.203 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



Plot 7.5.204 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 3 Non-Overlapping Beams

ANTENNA PORT: #4 Spectrum Analyzer 2 Swept SA

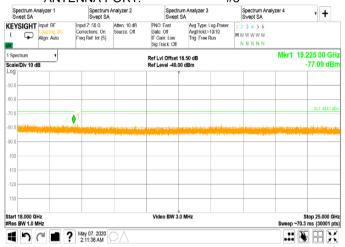
Input Z: 50 0
Corrections: On
Freq Ref: Int (S)

Atten: 10 d
Source: Of Spectrum Analyzer 4 Swept SA Spectrum Analyzer 1 Swept SA PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold:>10/10 Trig: Free Run KEYSIGHT Input RF Coupling: D Align: Auto 1 Spectrum Scale/Div 10 dB Mkr1 18.484 40 GHz Ref Lvi Offset 16.50 dB Ref Level -40.00 dBm -76.64 dB Stop 25.000 GHz Sweep ~70.3 ms (30001 pts) **■** ? May 07, 2020 ○△

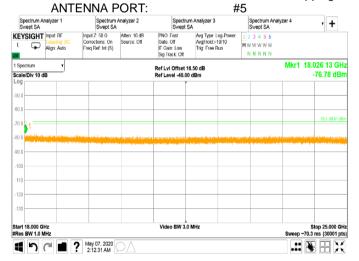


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions		
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Verdict: PASS	
Date(s):	28-Jul-19	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.205 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



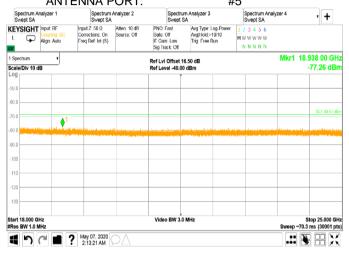
Plot 7.5.206 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



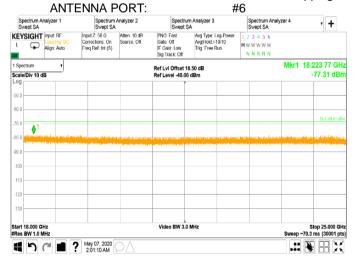


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions		
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Verdict: PASS	
Date(s):	28-Jul-19	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.207 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



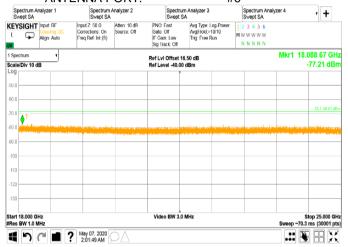
Plot 7.5.208 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



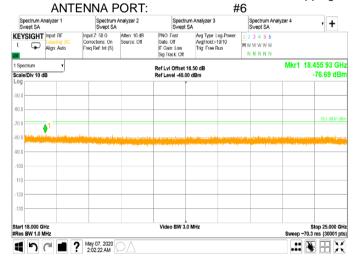


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions		
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Verdict:	PASS
Date(s):	28-Jul-19	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.209 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency



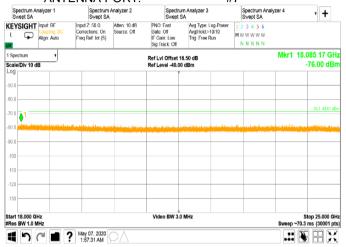
Plot 7.5.210 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



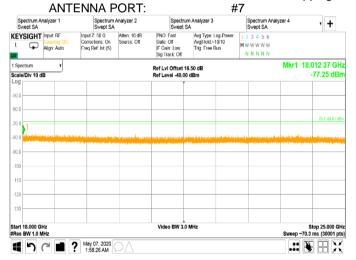


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions		
Test procedure:	ANSI C63.10 section 11.12.2		
Test mode:	Compliance	Verdict: PASS	
Date(s):	28-Jul-19	verdict.	PASS
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.211 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency



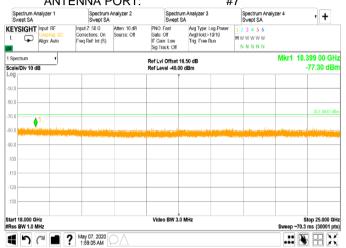
Plot 7.5.212 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency





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 7.5.213 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency



Plot 7.5.214 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

