

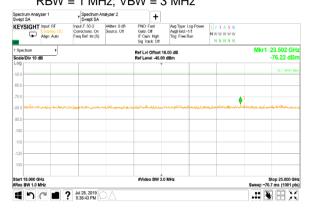
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

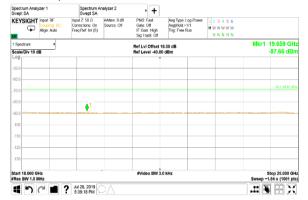
#### Plot 7.4.274 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT: RBW = 1 MHz; VBW = 3 MHz 10 MHz ONE BEAM #4

RBW = 1 MHz; VBW = 3 kHz





## Plot 7.4.275 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

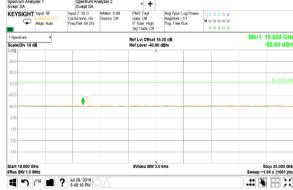
CHANNEL BANDWIDTH:

CONFIGURATION:

ANTENNA PORT:

	SA		Spectrum A Swept SA		+				
(EY	SIGHT	Input: RF Coupling: DC	Input Z: 50 O Corrections: On	#Aften: 0 dB Source: Off	PNO: Fast Gate: Off	Avg Type: Log-Power AvgiHold >1/1	1 2 3 4 5 6		
	◒	Align: Auto	Freq Ref: Int (S)	Jource. On	IF Cain: High	Trig: Free Run	MWWWWW		
W					Sig Track: Off		NNNNN		
1 Spe	ctrum	,			Ref Lvi Offset 1	3.00 dB		Mkr1	23.845 GH
	/Div 10 d	В			Ref Level -40.00	dBm			-77.04 dBn
Log					1				
-50.0									DL1 48.61 dB
60.0									
70.0									
00.0	and woman dayle	and the second	and a second as	Array San		والمناعد والمعارض المعاولا والمناوعة	and the first of the		a and design of
-00.0		manage of the same	IL HANNEY LANGUAGE	MA SECULO SERVICE	Alle and apply for other	a conference and a second		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
0.00									
-100									
-100 -110									
-110 -120									
-110									
-110 -120 -130	18.000 GI				#Video BW 3.0	MHz		Sweep ~7	Stop 25,000 GH





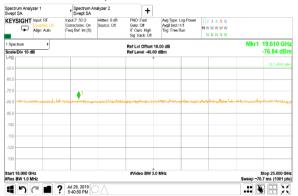


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks: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

### Plot 7.4.276 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

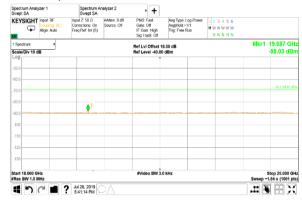
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3 MHz



10 MHz ONE BEAM

RBW = 1 MHz; VBW = 3 kHz

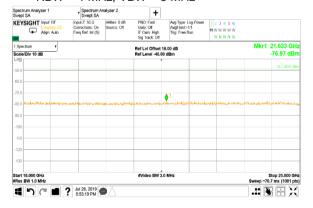


## Plot 7.4.277 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

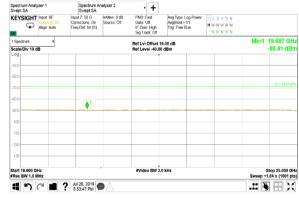
CHANNEL BANDWIDTH:

**CONFIGURATION:** ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz



10 MHz ONE BEAM #5





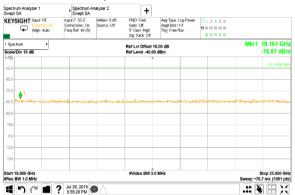
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks: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

#### Plot 7.4.278 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

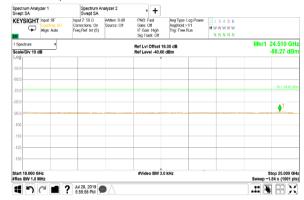
ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz



10 MHz ONE BEAM #5

RBW = 1 MHz; VBW = 3 kHz



## Plot 7.4.279 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH:

CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz

Spectrum Analyser 1
Spectrum Analyser 2
Spectrum Analyser 3
Spectrum Analyser 4
Spectr

10 MHz ONE BEAM #5





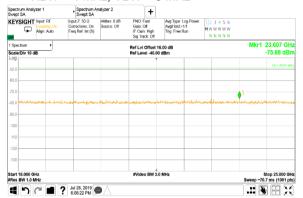
Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions Test procedure: ANSI C63.10 section 11.12.2 Test mode: Compliance Verdict: **PASS** 28-Jul-19 Date(s): Temperature: 24 °C Relative Humidity: 44 % Air Pressure: 1004 hPa Power: 48 VDC Remarks:

#### Plot 7.4.280 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

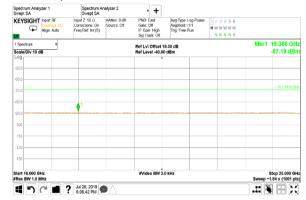
ANTENNA PORT:

RBW = 1 MHz: VBW = 3 MHz



10 MHz ONE BEAM

RBW = 1 MHz; VBW = 3 kHz



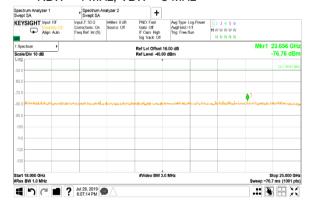
## Plot 7.4.281 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH:

**CONFIGURATION:** 

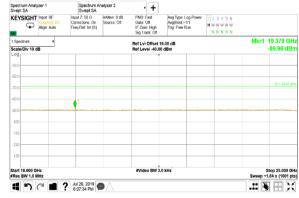
ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz



10 MHz ONE BEAM

#6



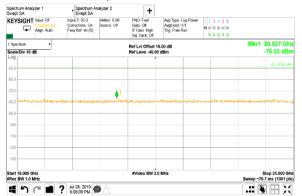


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.4.282 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

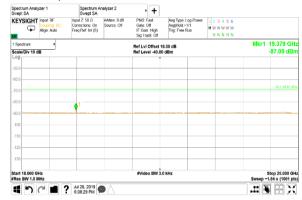
CHANNEL BANDWIDTH: **CONFIGURATION:** ANTENNA PORT:

RBW = 1 MHz: VBW = 3 MHz



10 MHz ONE BEAM

RBW = 1 MHz; VBW = 3 kHz



Plot 7.4.283 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

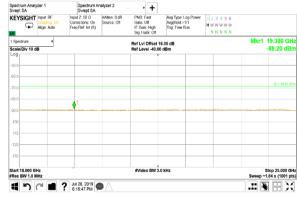
CHANNEL BANDWIDTH:

**CONFIGURATION:** ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz

Spectrum Analy Swept SA	zer 1	Spectrum A Swept SA	nalyzer 2	+				
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 O Corrections: On Freq Ref: Int (S)	#Atten: 0 dB Source: Off	PNO: Fast Gato: Off IF Cain: High Sig Track: Off	Avg Type: Log-Power Avg[Hold:>1/1 Trig: Free Run	1 2 3 4 5 6 MWWWWW NNNNN		
Spectrum	,			Ref Lvi Offset				21.577 GH: -77.18 dBn
Log				1				
50.0			_					DL1 -48.61 dBn
60.0								
70.0								
80.0 <b>APAR</b>	والماراء إستهاد إستالها والمالية	AMOUNT OF THE PROPERTY.	الهمالي والمحمول المعارف والمعارف والمع	topikilogo, (A. ep)	T constitutives (locales)	الواللاق في مساومة من المناسبة	وي أوليانوه بعداء	بإسارحوا فأنك فعالي
-100								
-110								
-120								
-130								
Start 18.000 G				#Video BW 3	.0 MHz			Stop 25.000 GH 0.7 ms (1001 pts
<b>4</b> n		Jul 28, 2019 6:15:25 PM	Ð∆				].:: B	

10 MHz ONE BEAM #7



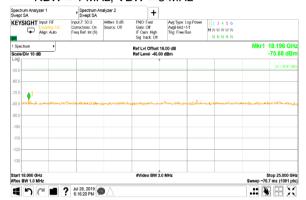


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions				
Test procedure:	ANSI C63.10 section 11.12.2				
Test mode:	Compliance	Verdict:	PASS		
Date(s):	28-Jul-19	verdict.	PASS		
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC		
Remarks: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

#### Plot 7.4.284 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

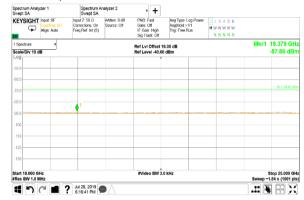
CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz: VBW = 3 MHz



10 MHz ONE BEAM #7

RBW = 1 MHz; VBW = 3 kHz



## Plot 7.4.285 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

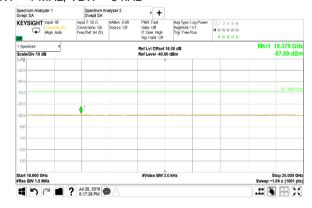
CHANNEL BANDWIDTH:

CONFIGURATION:

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

| Spectrum Analyses | Spec

10 MHz ONE BEAM #7





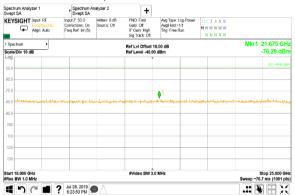
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

#### Plot 7.4.286 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

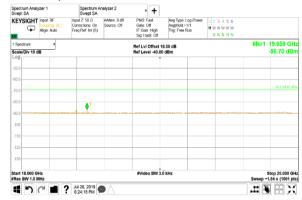
ANTENNA PORT:

RBW = 1 MHz: VBW = 3 MHz



10 MHz ONE BEAM

RBW = 1 MHz; VBW = 3 kHz



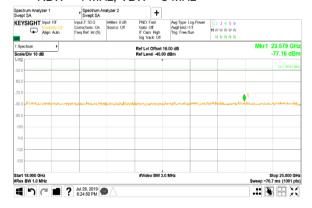
## Plot 7.4.287 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH:

**CONFIGURATION:** 

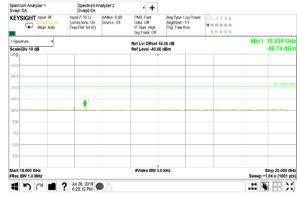
ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz



10 MHz ONE BEAM

#8



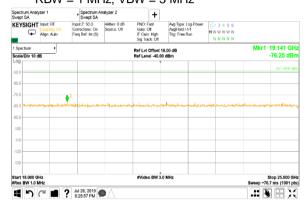


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

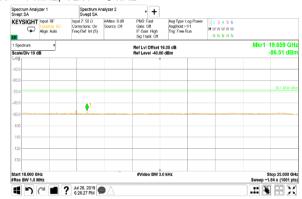
#### Plot 7.4.288 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

RBW = 1 MHz; VBW = 3 MHz



10 MHz ONE BEAM #8





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:				

# 7.5 Spurious emissions at RF antenna connector for 3 non overlapping beam configuration

#### 7.5.1 General

This test was performed to measure spurious emissions at RF antenna connector. Specification test limits are given in Table 7.4.1.

Table 7.5.1 Spurious emission limits

Frequency*, MHz	Attenuation below carrier*, dBc
0.009 – 10 <sup>th</sup> harmonic	20.0

<sup>\* -</sup> The above limits applied from the lowest radio frequency generated in the device, without going below 9 kHz up to the tenth harmonic of the highest fundamental frequency.

#### 7.5.2 Test procedure

- 7.5.2.1 The EUT was set up as shown in Figure 7.4.1, energized and its proper operation was checked.
- 7.5.2.2 The EUT was adjusted to produce maximum available to end user RF output power.
- **7.5.2.3** The highest emission level within the authorized band was measured.
- **7.5.2.4** The spurious emission was measured with spectrum analyzer as provided in Table 7.4.2 and Table 7.4.3 and Table 7.4.4 and associated plots and referenced to the highest emission level measured within the authorized band.

Figure 7.5.1 Spurious emission test setup



<sup>\*\* -</sup> Spurious emission limit is provided in terms of attenuation below the peak of modulated carrier measured with the same resolution bandwidth.



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:				

## Table 7.5.2 Field strength of spurious emissions for 3 non-overlapping beams above 1 GHz within restricted bands

ASSIGNED FREQUENCY: 2400.0 -2483.5 MHz INVESTIGATED FREQUENCY RANGE: 1000 – 25000 MHz

TEST DISTANCE: 3 m
MODULATION: QPSK
MODULATING SIGNAL: PRBS
TRANSMITTER OUTPUT POWER SETTINGS: Maximum
RESOLUTION BANDWIDTH: 1000 kHz

TEST ANTENNA TYPE: Double ridged guide

NUMBER ANTENNA PORTS: N = 8

INCIVIDEIX /	IIII LIIIIA II (	JI 1 1 3.		11 – 0					
		Peak power (	VBW=3 MHz)	Average power (VBW=3 kHz)					
Frequency, MHz	Measured, dBm	Total, dBm***	Limit, dBm*	Margin, dB**	Measured, dBm	Total, dBm***	Limit, dBm*	Margin, dB**	Verdict
Channel ba	Channel bandwidth 5 MHz								
Low carrier	frequency 24	148.2 MHz							
No emissions were found						Pass			
Mid carrier	frequency 24	58.2 MHz							
No emissions were found						Pass			
High carrie	r frequency 2	473.2 MHz							
			No emis	ssions were fo	und				Pass
Channel ba	ındwidth 10 M	lHz							
Low carrier	frequency 24	450.7 MHz							
			No emis	ssions were fo	und				Pass
Mid carrier	frequency 24	60.7 MHz							
			No emis	ssions were fo	und				Pass
High carrie	r frequency 2	470.7 MHz							
		·	No emis	ssions were fo	und				Pass

<sup>\* -</sup> Limit = Radiated spurious emission limit – Directional Antenna Gain

<sup>\*\* -</sup> Margin = Total emission - specification limit.

<sup>\*\*\* -</sup> Total emission = Maximum emission per chain + 10\*log(N)



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:				

## Table 7.5.3 Field strength of spurious emissions for 3 non-overlapping beams below 1 GHz within restricted bands

ASSIGNED FREQUENCY: 2400.0 -2483.5 MHz INVESTIGATED FREQUENCY RANGE: 0.009 – 1000 MHz

TEST DISTANCE: 3 m
MODULATION: QPSK
MODULATING SIGNAL: PRBS
TRANSMITTER OUTPUT POWER SETTINGS: Maximum

RESOLUTION BANDWIDTH: 0.2 kHz (9 kHz – 150 kHz)

9.0 kHz (150 kHz – 30 MHz) 120 kHz (30 MHz – 1000 MHz) > Resolution bandwidth

VIDEO BANDWIDTH: > Resolution bandwidth
TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)
Biconilog (30 MHz – 1000 MHz)

				=1001 m og (00 11 m i= 1000 i		
Fraguency	Peak		Quasi-peak			
Frequency, MHz	emission, dB(μV/m)	Measured emission, dB(μV/m)	Limit, dB(μV/m)	Margin, dB*	Verdict	
Low carrier	Low carrier frequency 2448.2 / 2450.7 MHz					
No emissions were found					Pass	
Mid carrier	Mid carrier frequency 2458.2 / 2460.7 MHz					
No emissions were found				Pass		
High carrier	High carrier frequency 2473.2 / 2470.7 MHz					
No emissions were found					Pass	

<sup>\*-</sup> Margin = Measured emission - specification limit.



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			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Table 7.5.4 Spurious emission for 3 non-overlapping beams outside restricted bands test results

ASSIGNED FREQUENCY RANGE: 2400.0 -2483.5 MHz INVESTIGATED FREQUENCY RANGE: 1000 – 25 000 MHz

DETECTOR USED:

RESOLUTION BANDWIDTH:

VIDEO BANDWIDTH:

MODULATION:

MODULATING SIGNAL:

TRANSMITTER OUTPUT POWER SETTINGS:

Peak

100 kHz

200 kHz

PRS

MAXIMUM

Frequency, MHz	Spurious emission, dBm	Emission at carrier, dBm	Attenuation below carrier, dBc	Limit, dBc	Margin, dB*	Verdict	
Low carrier free	Low carrier frequency 2448.2 / 2450.7 MHz						
No emission were found						Pass	
Mid carrier freq	Mid carrier frequency 2458.2 / 2460.7 MHz						
No emission were found						Pass	
High carrier fre	High carrier frequency 2473.2 / 2470.7 MHz						
No emission were found					Pass		

<sup>\*-</sup> Margin = Attenuation below carrier – specification limit.

## Reference numbers of test equipment used

		=				
HL 1809	HL 5376	HL 3901	HL 4366	HL 4338		

Full description is given in Appendix A.



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 7.5.1 Spurious emission measurements in 9 kHz - 30 MHz range at low carrier frequency

| Spectrum Analyzer 1 | Spectrum Analyzer 2 | Spectrum Analyzer 3 | Spectrum Analyzer 3

5 MHz

5 MHz

3 Non-Overlapping Beams

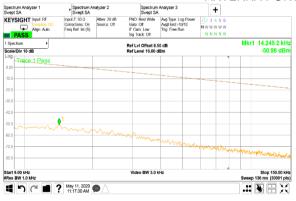
3 Non-Overlapping Beams

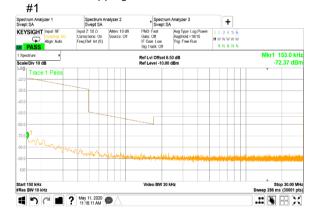
##1
Spectrum Analyzer 1
Spectrum Analyzer 2
Spectrum Analyzer 3
Spectrum Analyzer 4
Sp

Plot 7.5.2 Spurious emission measurements in 9 kHz - 30 MHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION:

CONFIGURATION ANTENNA PORT:



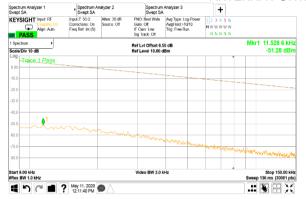


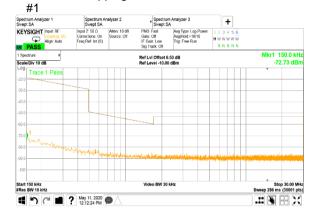


Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.3 Spurious emission measurements in 9 kHz - 30 MHz range at high carrier frequency

5 MHz 3 Non-Overlapping Beams





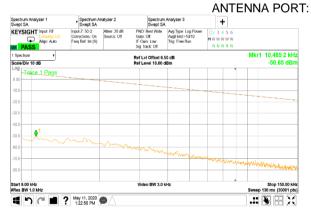
Plot 7.5.4 Spurious emission measurements in 9 kHz - 30 MHz range at low carrier frequency

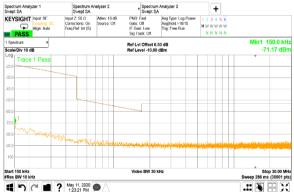
CHANNEL BANDWIDTH: CONFIGURATION:

5 MHz

3 Non-Overlapping Beams

#2







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:				

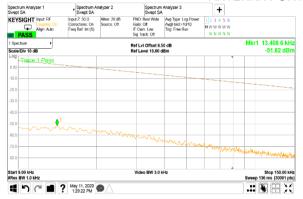
Plot 7.5.5 Spurious emission measurements in 9 kHz - 30 MHz range at mid carrier frequency

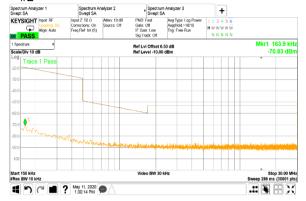
5 MHz

3 Non-Overlapping Beams

3 Non-Overlapping Beams

#2

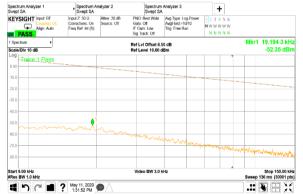


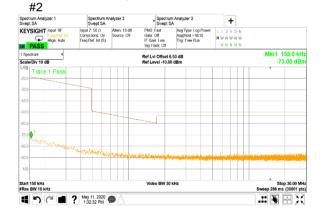


Plot 7.5.6 Spurious emission measurements in 9 kHz - 30 MHz range at high carrier frequency 5 MHz

CHANNEL BANDWIDTH:

**CONFIGURATION:** ANTENNA PORT:







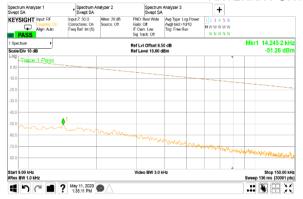
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

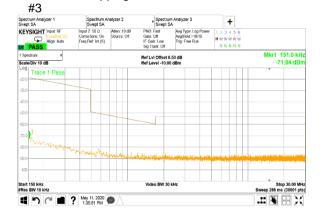
Plot 7.5.7 Spurious emission measurements in 9 kHz - 30 MHz range at low carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

5 MHz 3 Non-Overlapping Beams

3 Non-Overlapping Beams

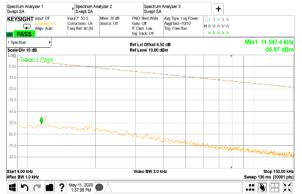


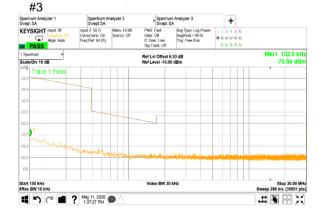


Plot 7.5.8 Spurious emission measurements in 9 kHz - 30 MHz range at mid carrier frequency 5 MHz

CHANNEL BANDWIDTH:

**CONFIGURATION:** ANTENNA PORT:





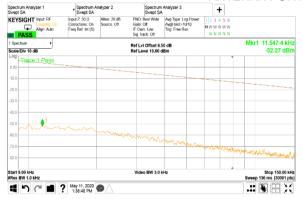


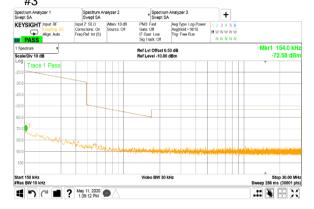
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.9 Spurious emission measurements in 9 kHz - 30 MHz range at high carrier frequency

5 MHz 3 Non-Overlapping Beams #3

3 Non-Overlapping Beams

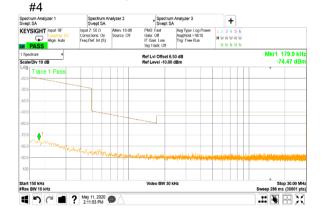




Plot 7.5.10 Spurious emission measurements in 9 kHz - 30 MHz range at low carrier frequency CHANNEL BANDWIDTH: 5 MHz

CHANNEL BANDWIDTH: CONFIGURATION:

ANTENNA PORT:





Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF

Align: Auto

Scale/Div 10 dB

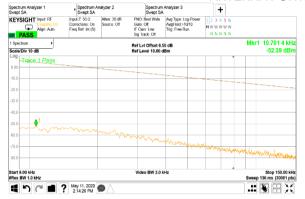
Start 9.00 kHz #Res BW 1.0 kHz

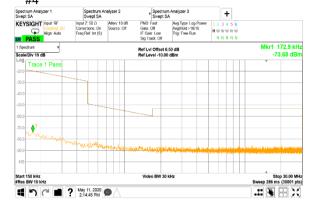
Test specification:	Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure:	ANSI C63.10 section 11.12.2			
Test mode:	Compliance	Verdict:	PASS	
Date(s):	28-Jul-19	verdict.	PASS	
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC	
Remarks:				

Plot 7.5.11 Spurious emission measurements in 9 kHz - 30 MHz range at mid carrier frequency

CHANNEL BANDWIDTH: CONFIGURATION: ANTENNA PORT:

5 MHz 3 Non-Overlapping Beams #4

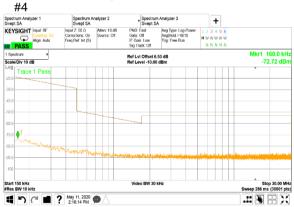


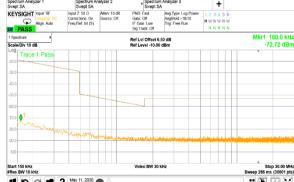


Plot 7.5.12 Spurious emission measurements in 9 kHz - 30 MHz range at high carrier frequency 5 MHz

CHANNEL BANDWIDTH: **CONFIGURATION:** 

ANTENNA PORT: + Mkr1 13.709 4 kHz -51.78 dBm





3 Non-Overlapping Beams



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: PA	PASS
Date(s):	28-Jul-19		PASS
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

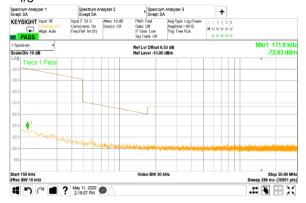
Plot 7.5.13 Spurious emission measurements in 9 kHz - 30 MHz range at low carrier frequency

CHANNEL BANDWIDTH: **CONFIGURATION:** ANTENNA PORT:

Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Lag-I Avg[Hold:>10/1 Trig: Free Run Couping C Align: Auto Mkr1 10.217 3 kHz -51.33 dBm Scale/Div 10 dR Sweep 136 ms (30001 pts) 1 1 May 11, 2020 p

5 MHz 3 Non-Overlapping Beams

#5

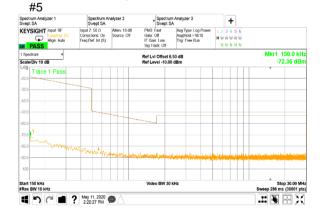


Plot 7.5.14 Spurious emission measurements in 9 kHz - 30 MHz range at mid carrier frequency 5 MHz

CHANNEL BANDWIDTH: **CONFIGURATION:** 

ANTENNA PORT:

Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF + Align: Auto Mkr1 15.058 3 kHz 1 Spectrum Scale/Div 10 dB -51.19 d Start 9.00 kHz #Res BW 1.0 kHz ■ ? May 11, 2020 ● 



3 Non-Overlapping Beams