Certificate of Compliance

Certificate No: 6209420A-150727-1

Manufacturer: OML, Inc.

Model/Part No: M06HWD **Serial/ID No:** 150727-1

Description: WR-06 Harmonic Mixer

Date of Test: August 24, 2020
Temperature: (23 +/- 5) deg C **Humidity:** 20 to 65% RH
Procedure:

This certifies that the above product was tested in compliance with OML specifications using applicable OML's procedures.

As Received : Physical Condition: Good
Within Tolerance: Yes

As Shipped: At the completion of the test, the product COMPLIED with the performance capability.

Remarks: Functional Verification Service

Traceability Information: Traceability is to national standards administered by U.S. NIST, NRC Canada, Euromet members (NPL, PTB, BNM, etc.) or other recognized standards laboratories. Some measurements are traceable to natural physical constants, consensus standards or ratio type measurements. Supporting documentation relative to traceability is available for review by appointment.
In the absence of power standards above 110 GHz, power measurements and conversion loss measurements above 110 GHz are to confirm operation functionality and traceable only to OML.

Mitzi Chow, Material Manager — 08/24/2020 Date

OML Inc.
300 Digital Drive, Morgan Hill, CA 95037 USA Tel. (408) 779 2698 Fax (408) 778 0491

Model M06HWD

Ser No. 150727-1

8/24/2020

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
110.00	**53.66**
111.20	58.62
112.40	48.84
113.60	48.69
114.80	48.29
116.00	51.97
117.20	52.72
118.40	50.14
119.60	48.90
120.80	49.42
122.00	48.19
123.20	53.17
124.40	50.97
125.60	59.00
126.80	57.16
128.00	50.89
129.20	51.48

Frequency (GHz)	Conversion Loss (dB)
130.40	54.86
131.60	49.29
132.80	52.87
134.00	50.36
135.20	51.99
136.40	51.77
137.60	56.16
138.80	50.20
140.00	**56.32**
141.20	51.86
142.40	50.58
143.60	56.95
144.80	55.33
146.00	52.59
147.20	51.97
148.40	59.11
149.60	56.31

Frequency (GHz)	Conversion Loss (dB)
150.80	49.19
152.00	55.25
153.20	52.17
154.40	49.00
155.60	53.69
156.80	58.38
158.00	57.82
159.20	51.30
160.40	56.22
161.60	57.14
162.80	57.21
164.00	52.45
165.20	50.43
166.40	55.13
167.60	57.67
168.80	53.77
170.00	**60.70**

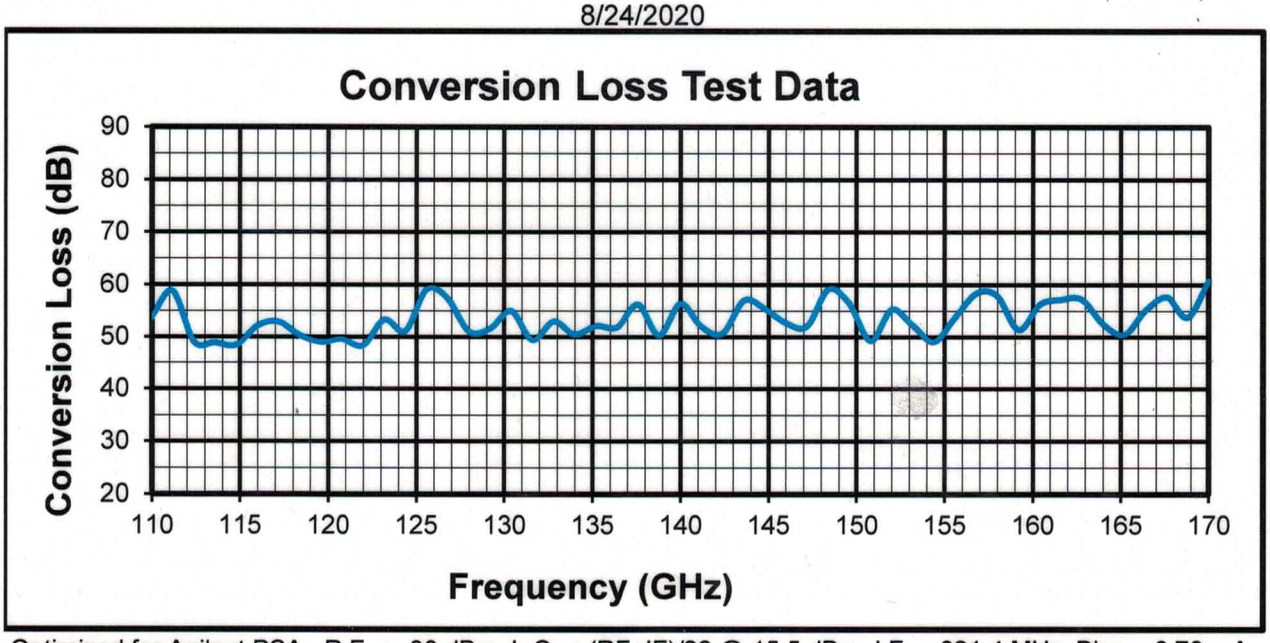
OML INC.

Traceability only available ≤ 110 GHz

6209420A

Morgan Hill, CA 95037

Model M06HWD
Ser No. 150727-1
8/24/2020



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = (RF+IF)/26 @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 0.70 mA

OML INC.

6209420A

Morgan Hill, CA 95037

Certificate of Compliance

Certificate No: 6209420B-150727-1

Manufacturer: OML, Inc.

Model/Part No: M04HWD **Serial/ID No:** 150727-1

Description: WR-04 Harmonic Mixer

Date of Test: August 24, 2020
Temperature: (23 +/- 5) deg C **Humidity:** 20 to 65% RH
Procedure:

This certifies that the above product was tested in compliance with OML specifications using applicable OML's procedures.

As Received : Physical Condition: Good
Within Tolerance: Yes

As Shipped: At the completion of the test, the product COMPLIED with the performance capability.

Remarks: Functional Verification Service

Traceability Information: Traceability is to national standards administered by U.S. NIST, NRC Canada, Euromet members (NPL, PTB, BNM, etc.) or other recognized standards laboratories. Some measurements are traceable to natural physical constants, consensus standards or ratio type measurements. Supporting documentation relative to traceability is available for review by appointment.
In the absence of power standards above 110 GHz, power measurements and conversion loss measurements above 110 GHz are to confirm operation functionality and traceable only to OML.

Mitzi Chow, Material Manager — 08/24/2020 Date

OML Inc.
300 Digital Drive, Morgan Hill, CA 95037 USA Tel. (408) 779 2698 Fax (408) 778 0491

Model M04HWD

Ser No. 150727-1

8/24/2020

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
170.00	**44.41**
171.80	50.60
173.60	48.55
175.40	47.11
177.20	46.86
179.00	44.79
180.80	39.87
182.60	50.64
184.40	55.15
186.20	41.87
188.00	39.07
189.80	45.51
191.60	41.96
193.40	45.81
195.20	47.57
197.00	44.88
198.80	45.09

Frequency (GHz)	Conversion Loss (dB)
200.60	48.59
202.40	42.58
204.20	43.79
206.00	47.13
207.80	41.90
209.60	46.03
211.40	50.39
213.20	48.72
215.00	**44.54**
216.80	54.41
218.60	54.13
220.40	50.48
222.20	46.47
224.00	44.76
225.80	44.92
227.60	48.15
229.40	51.52

Frequency (GHz)	Conversion Loss (dB)
231.20	46.41
233.00	49.92
234.80	45.59
236.60	44.97
238.40	51.63
240.20	48.86
242.00	50.56
243.80	51.56
245.60	47.64
247.40	49.28
249.20	48.10
251.00	48.75
252.80	55.96
254.60	51.74
256.40	49.90
258.20	56.44
260.00	**56.92**

OML INC.

Traceability only available ≤ 110 GHz

6209420B

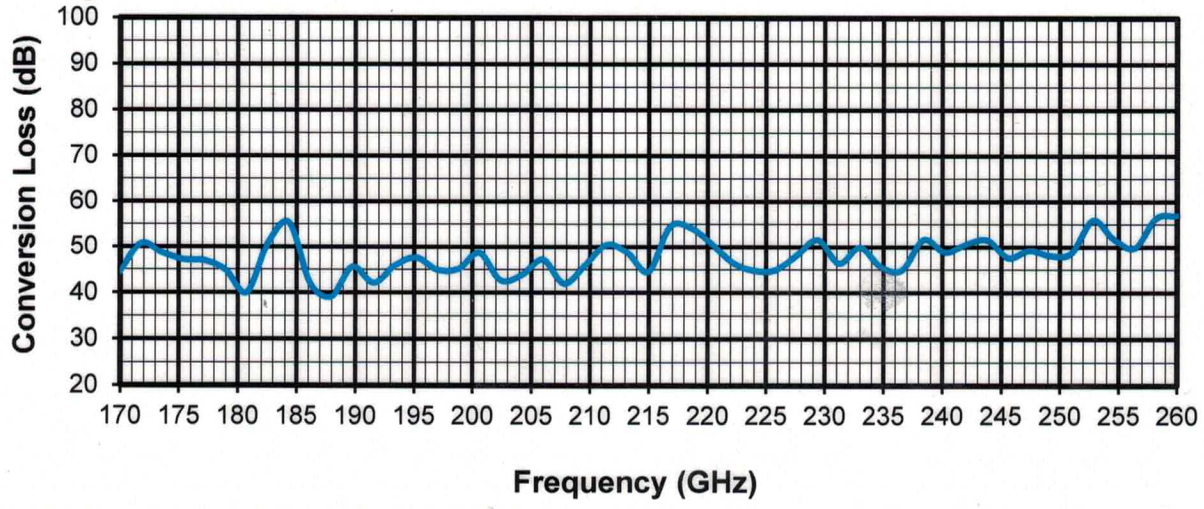
300 Digital Drive Morgan Hill, CA 95037

Model M04HWD

Ser No. 150727-1

8/24/2020

Conversion Loss Test Data



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = (RF+IF)/38 @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 4.82 mA

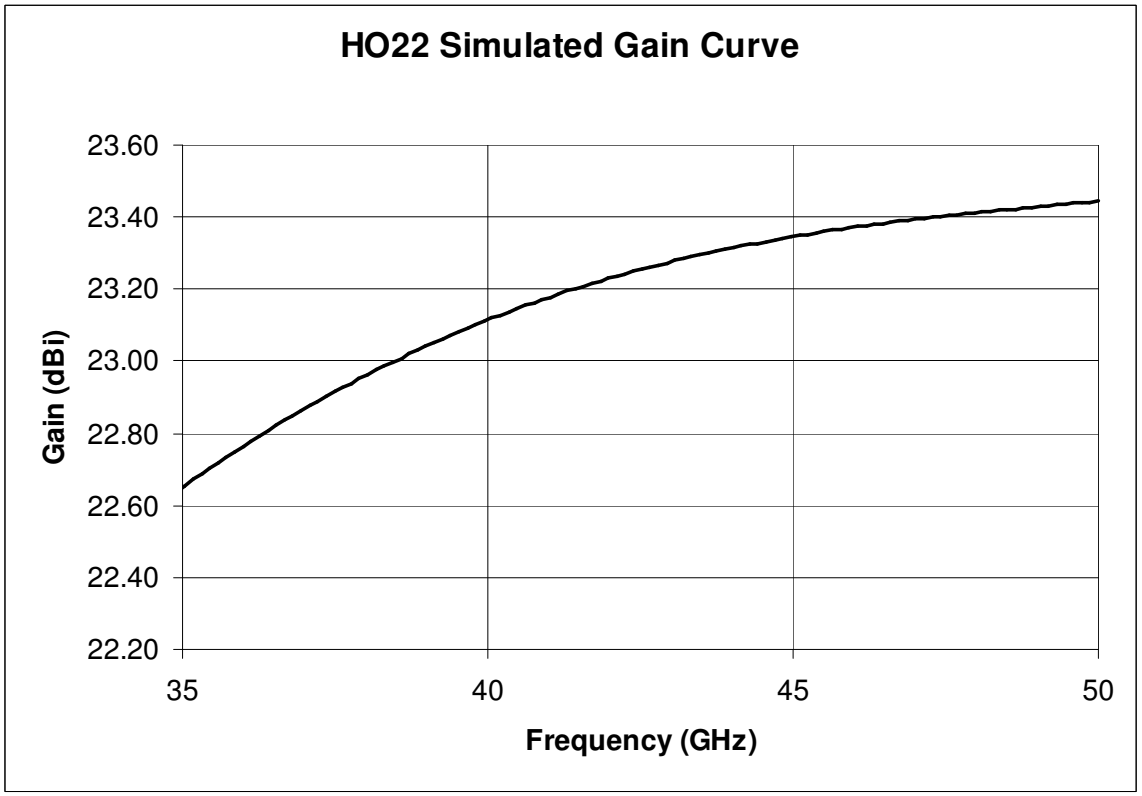
OML INC.

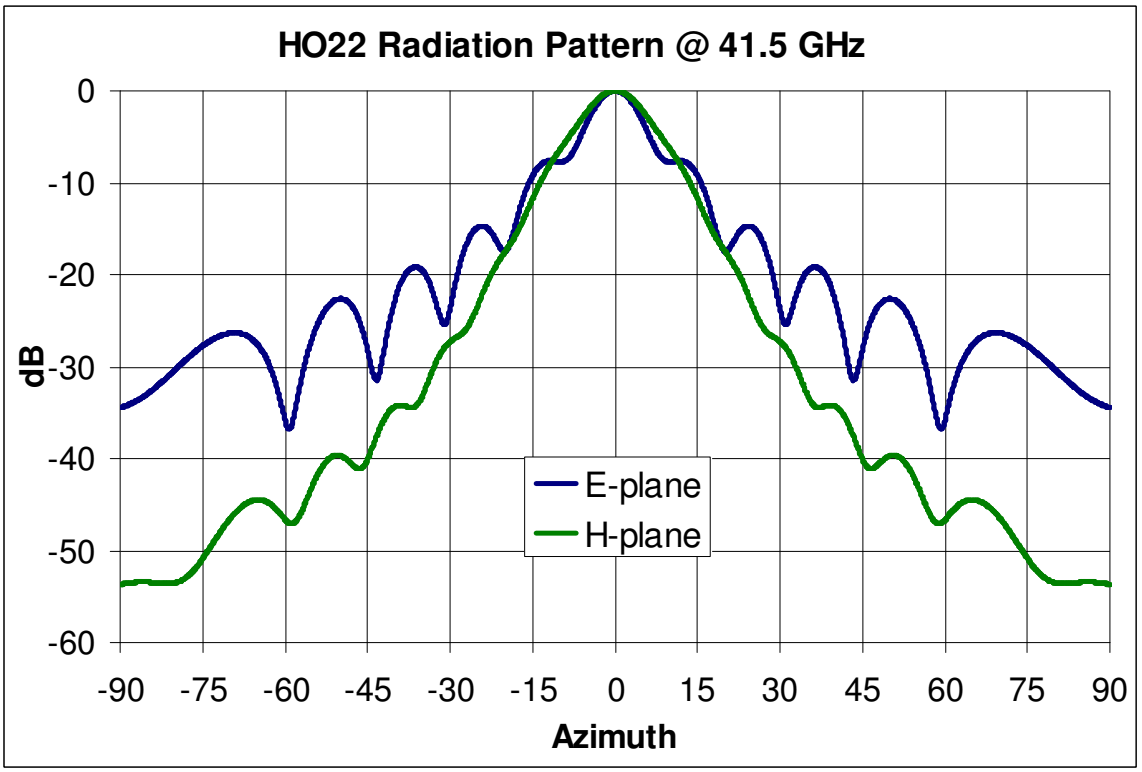
6209420B

300 Digital Drive Morgan Hill, CA 95037

custom microwave inc.

24 Boston Court
Longmont, CO 80501
303 651-0707(P)
303 651-0706(F)
www.custommicrowave.com





Asset # i00484 (33 - 50 GHz Horn antenna) **Model: HO22R**

Antenna Gain to Antenna correction factor conversion worksheet **3/28/2017**

ACF = 19.8-(20*LOG(λ))-(10*LOG(G_{num}))

λ= wavelength in meters = sped of light / frequency (Hz) => v/f
Speed of Light = 299792458 (m/sec) =~ 3 x 10^8
G_{num} = Numeric Antenna Gain = 10 ^ (Gain $_{dBi}$/10)

Asset # i00484 (33 - 50 GHz Horn antenna)						
Frequency	Frequency	speed of light	wavelength	Ant Gain	Antenna Gain	ACF
GHz	Hz	m/sec	m	dBi	numeric	dB
33	33000000000	299792458	0.00908462	22.6	181.97	38.03
34	34000000000	299792458	0.008817425	22.6	181.97	38.29
35	35000000000	299792458	0.008565499	22.65	184.08	38.49
36	36000000000	299792458	0.008327568	22.8	190.55	38.59
37	37000000000	299792458	0.008102499	22.9	194.98	38.73
38	38000000000	299792458	0.007889275	23	199.53	38.86
39	39000000000	299792458	0.007686986	23.05	201.84	39.03
40	40000000000	299792458	0.007494811	23.1	204.17	39.20
41	41000000000	299792458	0.007312011	23.15	206.54	39.37
42	42000000000	299792458	0.007137916	23.2	208.93	39.53
43	43000000000	299792458	0.006971918	23.25	211.35	39.68
44	44000000000	299792458	0.006813465	23.3	213.80	39.83
45	45000000000	299792458	0.006662055	23.35	216.27	39.98
46	46000000000	299792458	0.006517227	23.38	217.77	40.14
47	47000000000	299792458	0.006378563	23.4	218.78	40.31
48	48000000000	299792458	0.006245676	23.41	219.28	40.48
49	49000000000	299792458	0.006118213	23.42	219.79	40.65
50	50000000000	299792458	0.005995849	23.45	221.31	40.79

Certificate of Calibration

ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006

Certificate Number 1-13646873990-1

Model Number	N9038A
Manufacturer	Keysight Technologies Inc
Description	MXE EMI Receiver
Serial Number	MY53220134
Date of Calibration	12 Jan 2021
Procedure	TME-N7818A-E.11.00
Temperature	(23 ± 5) °C
Humidity	(50 ± 30) %RH

Customer
Compliance Testing LLC
1724 S Nevada Way
MESA AZ 85204-6624
United States

Location of Calibration
Keysight Technologies Inc
10090 Foothills Blvd.
Roseville CA 95747-7102
UNITED STATES

This certifies that the equipment has been calibrated using applicable Keysight Technologies procedures and in compliance with ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006. The quality management system is registered to ISO 9001:2015.

As Received Conditions
Initial testing is not part of the service ordered. Thus, neither compliance nor non-compliance with specification can be declared.

Action Taken
- The equipment was repaired.
- The equipment was adjusted.

As Completed Conditions
The measured values of the equipment were observed in specification at the points tested. Additionally, the expanded measurement uncertainty intervals about the measured values were in specification.

Remarks or Special Requirements

This calibration report shall not be reproduced, except in full. The documented results relate to the equipment calibrated only.

The test limits stated in the report correspond to the published specifications of the equipment, at the points tested.
This calibration report may refer to equipment manufactured by HP, Agilent and Keysight as being manufactured by Keysight Technologies.

Based on the customer's request, the next calibration is due on 12 Jan 2022.

Keysight Technologies Inc
10090 Foothills Blvd.
Roseville CA 95747-7102
UNITED STATES

Wes Fischbach Roseville Serv. Cntr. Mgr.

Certificate of Calibration

ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006

Certificate Number 1-13646873990-1

Traceability Information

Technician ID Number N1012666

Measurements are traceable to the International System of Units (SI) via national metrology institutes (www.keysight.com/find/NMI) that are signatories to the CIPM Mutual Recognition Arrangement.

Calibration Equipment Used

Model Number	Model Description	Equipment ID	Cal Due Date
10 MHz External Reference	Rubidium Standard	FS72533342	9 Mar 2021
11667A	DC-18 GHz power splitter, type N, 50 ohm	11667A57990	26 Feb 2021
11667B	Power splitter, DC to 26.5 GHz, 3.5 mm female connectors	11667B03613	14 Sep 2021
11667C	DC - 50 GHz power splitter, 50 ohm	11667C01235	3 Sep 2022
33250A	Function/Arbitrary Waveform Generator, 80 MHz	33250A12759	29 Sep 2021
3458A	Digital multimeter, 8.5 digit	3458A42141	28 Jun 2021
500-13438D	10MHz-1GHz Phase Lock Frequency Source Rev.D Input	500-1343831449	7 Oct 2021
53132A	Universal Counter, 225 MHz, 12 digit/s, 150 ps. GPIB, RS232	53132A01423	8 Apr 2022
8482A	Power Sensor, 100 kHz to 4.2 GHz, -30 to +20 dBm	8482A11442	10 Jul 2021
8485A	Power Sensor, 50 MHz to 26.5 GHz, -30 to +20 dBm	8485A90935	24 Feb 2021
8487D	Power Sensor, 50 MHz to 50 GHz, -70 to -20 dBm	8487D20001	28 Aug 2022
8487D	Power Sensor, 50 MHz to 50 GHz, -70 to -20 dBm	8487D20003	16 Sep 2021
8490D	Coaxial fixed attenuator, dc-50 GHz	8490D07480	6 Jan 2022
8491A	Coaxial attenuator, dc-12.4 GHz, Type N	8491A50198	31 May 2021
8491A	Coaxial attenuator, dc-12.4 GHz, Type N	8491A05249	13 Aug 2021
8491A	Coaxial attenuator, dc-12.4 GHz, Type N	8491A29405	13 Nov 2021
8491B	Coaxial attenuator, dc - 18 GHz, Type N	8491BA0299	8 Mar 2021
8493C	Coaxial fixed attenuator, dc to 26.5 GHz	8493C73530	13 Nov 2022
8493C	Coaxial fixed attenuator, dc to 26.5 GHz	8493CA0085	22 Apr 2021
8494G	0-11dB programmable step ATTENUATOR., dc-4GHz	8494G40782	1 Mar 2021
8496G	0-110dB programmable step attenuator, dc-4GHz	8496G40597	1 Mar 2021
85054B	Standard mechanical calibration kit, DC to 18 GHz, type-N	85054B00363	25 Jun 2021
85056A	Standard mechanical calibration kit, DC to 50 GHz, 2.4 mm	85056A00202	24 Feb 2021
86205A	50 Ohm RF bridge 300kHz to 6GHz	86205A01716	15 Apr 2022
E4419B	Power meter - EPM series, dual channel	E4419B11288	27 Jan 2022
E5071C	ENA Series Network analyzer	E5071C02659	16 Mar 2021
E8257D	PSG analog signal generator	E8257D10802	14 Feb 2022
E8257D	PSG analog signal generator	E8257D30457	28 Jul 2022
E9304A	Power Sensor-Average, 9 kHz to 6 GHz, -60 to +20 dBm	E9304A50015	2 Mar 2021

Certificate of Calibration

ISO/IEC 17025:2017 and ANSI/NCSL Z540.3-2006

Certificate Number 1-13646873990-1

Model Number	Model Description	Equipment ID	Cal Due Date
E9304A	Power Sensor-Average, 9 kHz to 6 GHz, -60 to +20 dBm	E9304A50011	19 Mar 2022
IGUU2916	EMI Calibration Pulse Generator	IGUU2916916187	11 Dec 2021
N5230C	PNA-L network analyzer	N5230C02393	31 May 2021
N8487A	Power Sensor - Thermocouple, average, 50MHz to 50GHz	N8487A80008	11 Jun 2022
N8487A	Power Sensor - Thermocouple, average, 50MHz to 50GHz	N8487A10001	21 Jul 2022

Traceability Table

	Model	Model Description	Equipment ID	Certificate Number	Trace Value
W,R	10 MHz External Reference	Rubidium Standard	FS72533342	1-12318121696-1-ANAB:AC-1498.01	Frequency
W,R	11667A	DC-18 GHz power splitter, type N, 50 ohm	11667A57990	1-12332845182-1-ANAB:AC-1498	Reflection Coefficient
W,R	11667B	Power splitter, DC to 26.5 GHz, 3.5 mm female connectors	11667B03613	1-13166093628-1-ANAB:AC-1498	Reflection Coefficient
W,R	11667C	DC - 50 GHz power splitter, 50 ohm	11667C01235	1-13112347515-1-ANAB:AC-1498	Reflection Coefficient
W,R	33250A	Function/Arbitrary Waveform Generator, 80 MHz	33250A12759	1-13237000797-1-ANAB:AC-1498	AC Voltage Frequency
W,R	3458A	Digital multimeter, 8.5 digit	3458A42141	1-12816868193-1-ANAB:AC-1498	AC Voltage
W,R	500-13438D	10MHz-1GHz Phase Lock Frequency Source Rev.D Input	500-1343831449	1-13144809777-1-ANAB:AC-1498	Phase Noise
W,R	53132A	Universal Counter, 225 MHz, 12 digit/s, 150 ps. GPIB, RS232	53132A01423	1-12380318040-1-ANAB:AC-1498	Frequency
W,R	8482A	Power Sensor, 100 kHz to 4.2 GHz, -30 to +20 dBm	8482A11442	1-12151418206-1-ANAB:AC-1498	RF Power
W,R	8485A	Power Sensor, 50 MHz to 26.5 GHz, -30 to +20 dBm	8485A90935	1-12659709960-1-ANAB:AC-1498	RF Power
W,R	8487D	Power Sensor, 50 MHz to 50 GHz, -70 to -20 dBm	8487D20001	1-13076294022-1-ANAB:AC-1498	RF Power
W,R	8487D	Power Sensor, 50 MHz to 50 GHz, -70 to -20 dBm	8487D20003	1-13220976536-1-ANAB:AC-1498	RF Power
W,R	8490D	Coaxial fixed attenuator, dc-50 GHz	8490D07480	1-13788212930-1-ANAB:AC-1498	Attenuation
W,R	8491A	Coaxial attenuator, dc-12.4 GHz, Type N	8491A05249	1-13014688070-1-ANAB:AC-1498	Attenuation
W,R	8491A	Coaxial attenuator, dc-12.4 GHz, Type N	8491A29405	1-13432197837-1-ANAB:AC-1498	Attenuation
W,R	8491A	Coaxial attenuator, dc-12.4 GHz, Type N	8491A50198	1-11295868540-1-ANAB:AC-1498	Attenuation
W,R	8491B	Coaxial attenuator, dc - 18 GHz, Type N	8491BA0299	1-12660508038-1-ANAB:AC-1498	Attenuation
W,R	8493C	Coaxial fixed attenuator, dc to 26.5 GHz	8493C73530	1-13480390559-1-ANAB:AC-1498	Attenuation

	Model	Model Description	Equipment ID	Certificate Number	Trace Value
W,R	8493C	Coaxial fixed attenuator, dc to 26.5 GHz	8493CA0085	1-11272886665-1-ANAB:AC-1498	Attenuation
W,R	8494G	0-11dB programmable step ATTENUATOR., dc-4GHz	8494G40782	1-12671930960-1-ANAB:AC-1498	Attenuation
W,R	8496G	0-110dB programmable step attenuator, dc-4GHz	8496G40597	1-12671930960-2-ANAB:AC-1498	Attenuation
W,R	85054B	Standard mechanical calibration kit, DC to 18 GHz, type-N	85054B00363	1-12671928966-1-A2LA:2079.01	Reflection Coefficient
W,R	85056A	Standard mechanical calibration kit, DC to 50 GHz, 2.4 mm	85056A00202	1-12177857407-1-A2LA:2079.01	Reflection Coefficient
W	86205A	50 Ohm RF bridge 300kHz to 6GHz	86205A01716	1-12601437538-1	
R	E5071C	ENA Series Network analyzer	E5071C06511	1-12368394877-1-ANAB:AC-1498	Reflection Coefficient
W,R	E4419B	Power meter - EPM series, dual channel	E4419B11288	1-12903246987-1-ANAB:AC-1498	RF Power
W,R	E5071C	ENA Series Network analyzer	E5071C02659	1-12372027643-1-ANAB:AC-1498	Attenuation Frequency Reflection Coefficient
W,R	E8257D	PSG analog signal generator	E8257D30457	1-12982895781-1-ANAB:AC-1498	Frequency Phase Noise RF Power Spectral Purity
W,R	E8257D	PSG analog signal generator	E8257D10802	1-13001507157-1-ANAB:AC-1498	Frequency Phase Noise RF Power Spectral Purity
W,R	E9304A	Power Sensor-Average, 9 kHz to 6 GHz, -60 to +20 dBm	E9304A50015	1-12671751066-1-ANAB:AC-1498	RF Power
W,R	E9304A	Power Sensor-Average, 9 kHz to 6 GHz, -60 to +20 dBm	E9304A50011	1-12376650485-1-ANAB:AC-1498	RF Power
W,R	IGUU2916	EMI Calibration Pulse Generator	IGUU2916916187	1-11994623768-1-NMI:PTB	RF Power
W,R	N5230C	PNA-L network analyzer	N5230C02393	1-11202078100-1-ANAB:AC-1498	Attenuation Frequency Reflection Coefficient
W,R	N8487A	Power Sensor - Thermocouple, average, 50MHz to 50GHz	N8487A10001	1-12920287055-1-ANAB:AC-1498	RF Power
W,R	N8487A	Power Sensor - Thermocouple, average, 50MHz to 50GHz	N8487A80008	1-12642273801-1-ANAB:AC-1498	RF Power

Legend

W - Working Standard The calibration equipment used for the calibration of the Model indicated on the first page of the Certificate of calibration.

R - Reference Standard The Reference Standard (Accredited or NMI-calibrated ETE) used to provide traceability to the SI-Units for the calibration parameters listed.

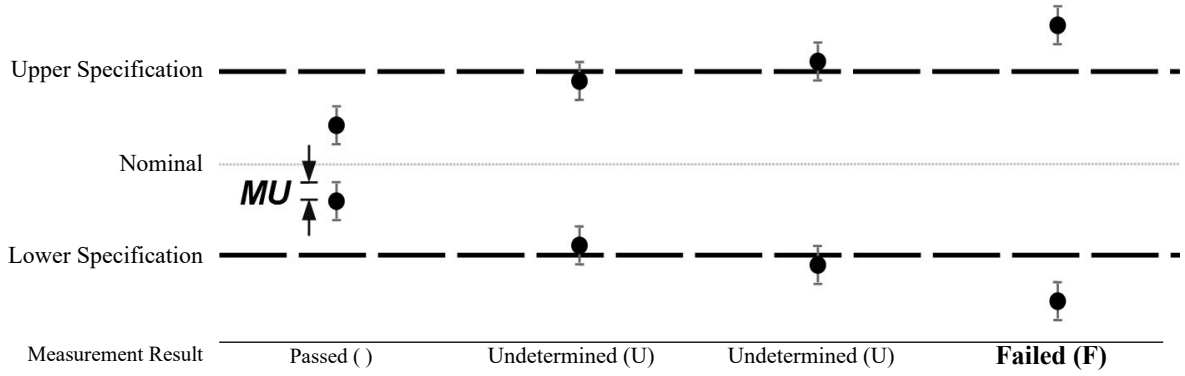
Compliance with Specification

The uncertainty of measurement has been taken into account when determining compliance with specification, as per ILAC-G8:03/2009. If the expanded measurement uncertainty intervals centered about one or more measured values were both in as well as out of specification (upper or lower), it is not possible to state compliance or non-compliance based on a 95% coverage probability for the expanded measurement uncertainty.

An overall statement of compliance for all tests performed as received, and as completed (if any adjustments / repairs were performed) is included at the beginning of this report. Statements of compliance apply only to warranted specifications. When functional verification tests are performed, results are reported in the “Functional Test” section, and do not affect these statements of compliance.
The status summaries relate to the tested item only. A final decision about whether the item's performance actually satisfies requirements of the user can only be made by the user.

Measurement results are reported as:

- Passed ( ) - The measured values of the equipment were observed in specification at the points tested. Additionally, the expanded measurement uncertainty intervals about the measured values were in specification.
- Undetermined (U) - The expanded measurement uncertainty intervals about one or more measured values were in as well as out of specification. Consequently, neither compliance nor non-compliance with specification can be declared based on the stated coverage probability.
- Failed (F) - One or more measured values of the equipment were observed out of specification at the points tested. Additionally, the expanded measurement uncertainty intervals about one or more measured values were entirely outside the specification.



( ) This result is indicated on the measurement report as a blank space in the column labeled “Status” or “Sts”.
MU = 95% expanded measurement uncertainty.

Acceptance Limit

The "Keysight Cal + Uncertainties + Guardbanding" service employs a guard band in the amount of the 95% expanded measurement uncertainty (MU). The resulting acceptance limit applied for Pass or Fail decisions, and for performing adjustments, is the difference of the specification and the guard band.

Uncertainty of Measurement

The uncertainty evaluation has been performed in accordance with ISO/IEC Guide 98-3:2008 (GUM). The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95%. This probability corresponds to a coverage factor of k=2 for a normal distribution.

Calibration Test Results Summary

Test Name	As Completed Status
Frequency Reference Accuracy	Passed
Power Bandwidth Accuracy	Passed
Resolution Bandwidth Switching Uncertainty	Passed
Residual Responses	Passed
Displayed Average Noise Level	Passed
Frequency Readout Accuracy	Passed
Frequency Span Accuracy	Passed
Count Accuracy	Passed
IF Frequency Response	Passed
RBW Selectivity CISPR Bands	Passed
Phase Noise	Passed
Absolute Amplitude Accuracy at 50 MHz	Passed
Input Attenuation Switching Uncertainty	Passed
Display Scale Fidelity	Passed
Freq Resp Above 3.6 GHz Preamp On	Passed
IF Input Gain Accuracy Option EXM	Passed
Spurious Responses	Passed
Freq Resp Above 3.6 GHz Preamp Off	Passed
Second Harmonic Intercept	Passed
Gain Compression	Passed
Third Order Intermodulation Distortion	Passed
Response To Pulses (Peak, Ave, RMS)	Passed
Variation With Pulse Repetition Freq (Ave, RMS)	Passed
Response To Intermittent Disturbances (Ave, RMS)	Passed
Radiated Band Sine Wave Accuracy	Passed
Freq Resp 50 MHz to 3.6 GHz	Passed
Freq Resp 9 kHz to 50 MHz	Passed
Conducted Band Sine Wave Accuracy	Passed
Freq Resp Below 300 kHz	Passed
Response To Pulses (Peak, Ave, RMS) Bands A/B/C/D	Passed
Q-P Detector Absolute Calibration	Passed
Q-P Detector Variation With Pulse Repetition Freq	Passed
Conducted Band VSWR	Passed
Radiated Band VSWR	Passed
LO Output Power Accuracy Option EXM	Passed

Functional Test Results Summary

The following functional test results are not part of an accredited delivery, even if they are part of an otherwise accredited calibration report.

The following tests document the functional verification of the instruments' non-warranted performance. Neither a statement of conformance or decision rule is used for a Functional Test, measurement uncertainties are only provided by exception. For a "Functional Test" the test results are reported as "As Expected" when showing expected performance and "Not As Expected" otherwise. "As Expected" results of individual test points are indicated in the measurement report by a blank space in the column labeled "Status" to allow easier recognition of any "Not As Expected" points. If a functional test result is reported as "Not As Expected", repair and/or adjustment is

recommended. Test results reported as “Done” are possible if no limits are applied. For qualitative or quantitative “Functional Tests” the test results are not warranted, and no judgment is made. The “actual” measured results are helpful to users for some applications.

Test Name	As Completed Status
Internal Alignment	As Expected
MIL STD RBW Selectivity	As Expected
Displayed Average Noise Level RF2	As Expected
Effective DANL Option NFE	As Expected

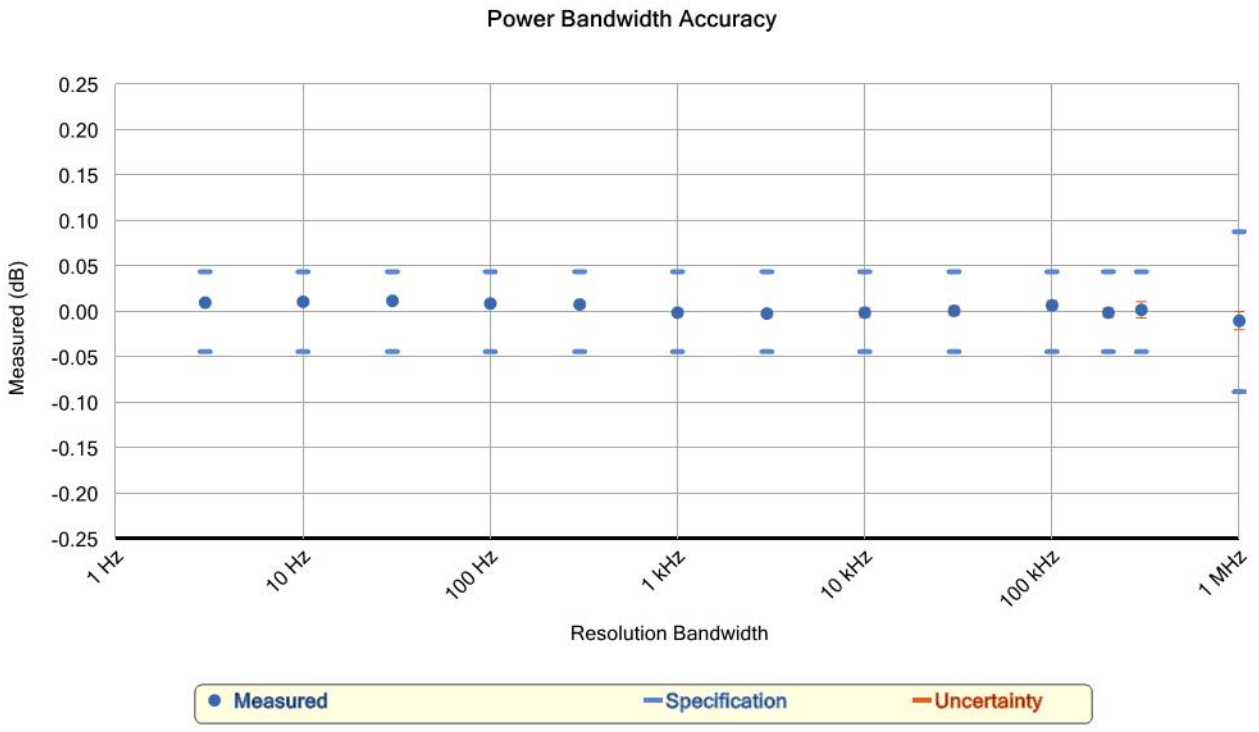
Tested Configuration

Firmware Version	A.19.55
Tested Options	544 B24 CR3 DP2 EDP EMC EXM LSN NFE P44 PC4 PFR SSD W7X

Frequency Reference Accuracy **Passed**

Frequency	Minimum	Measured	Maximum	Uncert.	Status
10 MHz Ref	−1.55 Hz	0.423 Hz	1.55 Hz	0.013 Hz	

Power Bandwidth Accuracy **Passed**



Resolution Bandwidth	Minimum	Measured	Maximum	Uncertainty	Status
3 Hz	−0.044 dB	0.0100 dB	0.044 dB	0.0030 dB	
10 Hz	−0.044 dB	0.0110 dB	0.044 dB	0.0030 dB	
30 Hz	−0.044 dB	0.0120 dB	0.044 dB	0.0030 dB	
100 Hz	−0.044 dB	0.0090 dB	0.044 dB	0.0030 dB	
300 Hz	−0.044 dB	0.0080 dB	0.044 dB	0.0030 dB	
1000 Hz	−0.044 dB	−0.0010 dB	0.044 dB	0.0030 dB	
3000 Hz	−0.044 dB	−0.0020 dB	0.044 dB	0.0030 dB	
10000 Hz	−0.044 dB	−0.0010 dB	0.044 dB	0.0050 dB	
30000 Hz	−0.044 dB	0.0010 dB	0.044 dB	0.0050 dB	
100000 Hz	−0.044 dB	0.0070 dB	0.044 dB	0.0050 dB	
200000 Hz	−0.044 dB	−0.0010 dB	0.044 dB	0.0050 dB	
300000 Hz	−0.044 dB	0.0020 dB	0.044 dB	0.0090 dB	
1000000 Hz	−0.088 dB	−0.0100 dB	0.088 dB	0.010 dB	

Resolution Bandwidth Switching Uncertainty — Passed

Relative to 30 kHz RBW

Resolution Bandwidth	Minimum	Measured	Maximum	Uncert.	Status
0.30 kHz	−0.05 dB	−0.011 dB	0.05 dB	0.021 dB	
0.51 kHz	−0.05 dB	−0.007 dB	0.05 dB	0.021 dB	
1.00 kHz	−0.05 dB	−0.008 dB	0.05 dB	0.021 dB	
3.00 kHz	−0.05 dB	−0.009 dB	0.05 dB	0.021 dB	
10.00 kHz	−0.05 dB	−0.012 dB	0.05 dB	0.021 dB	
100.00 kHz	−0.05 dB	−0.002 dB	0.05 dB	0.021 dB	
300.00 kHz	−0.05 dB	−0.001 dB	0.05 dB	0.021 dB	
1000.00 kHz	−0.05 dB	0.001 dB	0.05 dB	0.021 dB	
1500.00 kHz	−0.05 dB	0.000 dB	0.05 dB	0.021 dB	
2000.00 kHz	−0.10 dB	−0.001 dB	0.10 dB	0.021 dB	
3000.00 kHz	−0.10 dB	−0.001 dB	0.10 dB	0.021 dB	
4000.00 kHz	−1.00 dB	0.001 dB	1.00 dB	0.021 dB	
5000.00 kHz	−1.00 dB	0.002 dB	1.00 dB	0.021 dB	
6000.00 kHz	−1.00 dB	−0.001 dB	1.00 dB	0.021 dB	
8000.00 kHz	−1.00 dB	0.002 dB	1.00 dB	0.021 dB	

Residual Responses — Passed

RF Preselector Off, Preamplifier Off

Center Frequency	Measured	Maximum	Uncert.	Status
1.250 MHz	−132.79 dBm	−100.0 dBm	2.4 dB	
5.000 MHz	−132.63 dBm	−100.0 dBm	2.4 dB	
6.000 MHz	−133.16 dBm	−100.0 dBm	2.5 dB	
50.000 MHz	−128.65 dBm	−100.0 dBm	1.6 dB	
88.330 MHz	−133.10 dBm	−100.0 dBm	2.5 dB	
150.000 MHz	−133.77 dBm	−100.0 dBm	2.6 dB	
200.000 MHz	−134.02 dBm	−100.0 dBm	2.7 dB	
250.000 MHz	−128.93 dBm	−100.0 dBm	1.6 dB	
702.000 MHz	−131.65 dBm	−100.0 dBm	2.1 dB	
1233.750 MHz	−132.56 dBm	−100.0 dBm	2.3 dB	
1331.250 MHz	−131.21 dBm	−100.0 dBm	2.1 dB	
1916.250 MHz	−130.21 dBm	−100.0 dBm	1.9 dB	
1996.880 MHz	−130.29 dBm	−100.0 dBm	1.9 dB	
2158.130 MHz	−130.10 dBm	−100.0 dBm	2.2 dB	
2770.000 MHz	−122.51 dBm	−100.0 dBm	1.1 dB	
3600.000 MHz	−125.65 dBm	−100.0 dBm	1.5 dB	
4155.000 MHz	−127.22 dBm	−100.0 dBm	2.4 dB	
4800.000 MHz	−126.90 dBm	−100.0 dBm	2.3 dB	
6000.000 MHz	−127.16 dBm	−100.0 dBm	2.4 dB	

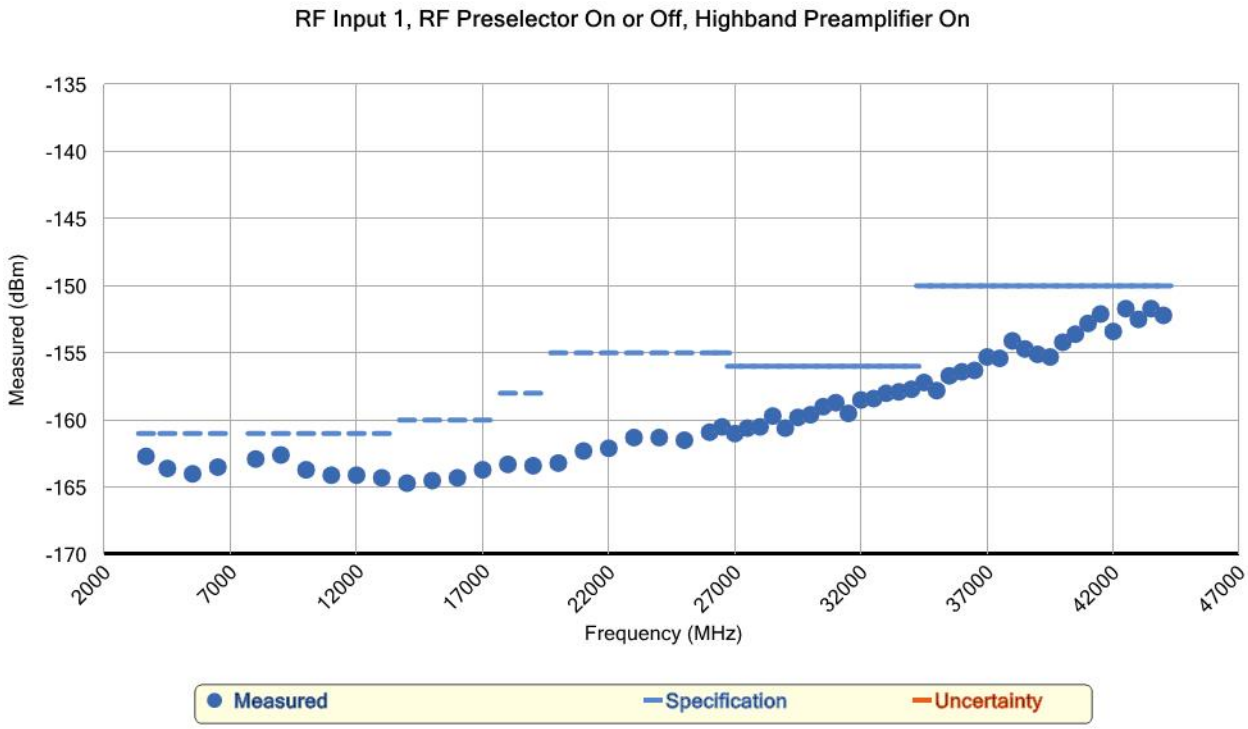
RF Preselector On, Preamplifier Off

Center Frequency	Measured	Maximum	Uncert.	Status
1.250 MHz	−127.60 dBm	−100.0 dBm	1.9 dB	

Residual Responses (cont.)

Center Frequency	Measured	Maximum	Uncert.	Status
5.000 MHz	−134.54 dBm	−100.0 dBm	2.8 dB	
6.000 MHz	−132.14 dBm	−100.0 dBm	2.2 dB	
50.000 MHz	−129.26 dBm	−100.0 dBm	1.5 dB	
88.330 MHz	−133.11 dBm	−100.0 dBm	2.2 dB	
150.000 MHz	−133.68 dBm	−100.0 dBm	2.4 dB	
200.000 MHz	−132.47 dBm	−100.0 dBm	2.1 dB	
250.000 MHz	−127.90 dBm	−100.0 dBm	1.4 dB	
702.000 MHz	−131.86 dBm	−100.0 dBm	2.0 dB	
1233.750 MHz	−129.25 dBm	−100.0 dBm	1.7 dB	
1331.250 MHz	−128.83 dBm	−100.0 dBm	1.7 dB	
1916.250 MHz	−129.73 dBm	−100.0 dBm	1.8 dB	
1996.880 MHz	−129.31 dBm	−100.0 dBm	1.7 dB	
2158.130 MHz	−131.52 dBm	−100.0 dBm	1.8 dB	
2770.000 MHz	−124.36 dBm	−100.0 dBm	1.1 dB	
3600.000 MHz	−126.41 dBm	−100.0 dBm	1.6 dB	

Displayed Average Noise Level **Passed**



RF Input 1, RF Preselector On or Off, Highband Preamplifier On

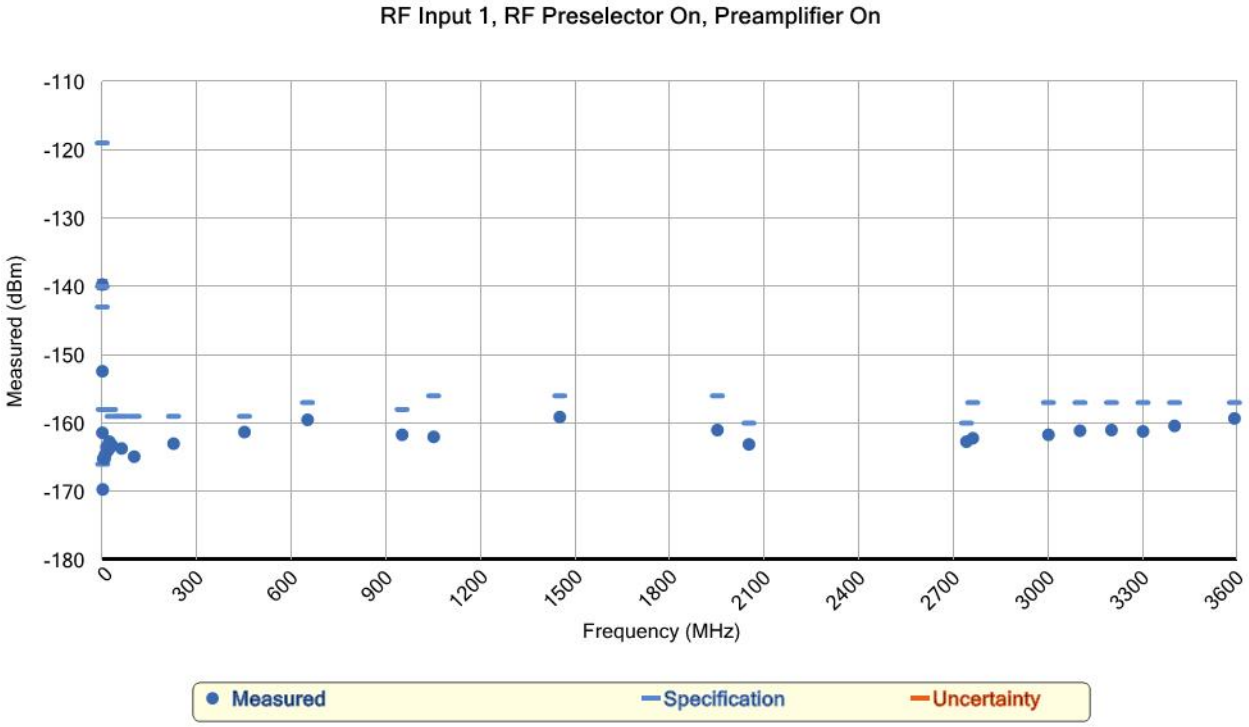
Frequency	Measured	Maximum	Uncert.	Status
3651.00000 MHz	−162.7 dBm	−161 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

Frequency	Measured	Maximum	Uncert.	Status
4501.00000 MHz	−163.6 dBm	−161 dBm	0.34 dB	
5501.00000 MHz	−164.0 dBm	−161 dBm	0.34 dB	
6501.00000 MHz	−163.5 dBm	−161 dBm	0.34 dB	
8001.00000 MHz	−162.9 dBm	−161 dBm	0.34 dB	
9001.00000 MHz	−162.6 dBm	−161 dBm	0.34 dB	
10001.00000 MHz	−163.7 dBm	−161 dBm	0.34 dB	
11001.00000 MHz	−164.1 dBm	−161 dBm	0.34 dB	
12001.00000 MHz	−164.1 dBm	−161 dBm	0.34 dB	
13001.00000 MHz	−164.3 dBm	−161 dBm	0.34 dB	
14001.00000 MHz	−164.7 dBm	−160 dBm	0.34 dB	
15001.00000 MHz	−164.5 dBm	−160 dBm	0.34 dB	
16001.00000 MHz	−164.3 dBm	−160 dBm	0.34 dB	
17001.00000 MHz	−163.7 dBm	−160 dBm	0.34 dB	
18001.00000 MHz	−163.3 dBm	−158 dBm	0.34 dB	
19001.00000 MHz	−163.4 dBm	−158 dBm	0.34 dB	
20001.00000 MHz	−163.2 dBm	−155 dBm	0.34 dB	
21001.00000 MHz	−162.3 dBm	−155 dBm	0.34 dB	
22001.00000 MHz	−162.1 dBm	−155 dBm	0.34 dB	
23001.00000 MHz	−161.3 dBm	−155 dBm	0.34 dB	
24001.00000 MHz	−161.3 dBm	−155 dBm	0.34 dB	
25001.00000 MHz	−161.5 dBm	−155 dBm	0.34 dB	
26001.00000 MHz	−160.9 dBm	−155 dBm	0.34 dB	
26491.00000 MHz	−160.5 dBm	−155 dBm	0.34 dB	
27001.00000 MHz	−161.0 dBm	−156 dBm	0.34 dB	
27501.00000 MHz	−160.6 dBm	−156 dBm	0.34 dB	
28001.00000 MHz	−160.5 dBm	−156 dBm	0.34 dB	
28501.00000 MHz	−159.7 dBm	−156 dBm	0.34 dB	
29001.00000 MHz	−160.6 dBm	−156 dBm	0.34 dB	
29501.00000 MHz	−159.8 dBm	−156 dBm	0.34 dB	
30001.00000 MHz	−159.6 dBm	−156 dBm	0.34 dB	
30501.00000 MHz	−159.0 dBm	−156 dBm	0.34 dB	
31001.00000 MHz	−158.7 dBm	−156 dBm	0.34 dB	
31501.00000 MHz	−159.5 dBm	−156 dBm	0.34 dB	
32001.00000 MHz	−158.5 dBm	−156 dBm	0.34 dB	
32501.00000 MHz	−158.4 dBm	−156 dBm	0.34 dB	
33001.00000 MHz	−158.0 dBm	−156 dBm	0.34 dB	
33501.00000 MHz	−157.9 dBm	−156 dBm	0.34 dB	
34001.00000 MHz	−157.7 dBm	−156 dBm	0.34 dB	
34501.00000 MHz	−157.2 dBm	−150 dBm	0.34 dB	
35001.00000 MHz	−157.8 dBm	−150 dBm	0.34 dB	
35501.00000 MHz	−156.7 dBm	−150 dBm	0.34 dB	
36001.00000 MHz	−156.4 dBm	−150 dBm	0.34 dB	
36501.00000 MHz	−156.3 dBm	−150 dBm	0.34 dB	
37001.00000 MHz	−155.3 dBm	−150 dBm	0.34 dB	
37501.00000 MHz	−155.4 dBm	−150 dBm	0.34 dB	
38001.00000 MHz	−154.1 dBm	−150 dBm	0.34 dB	
38501.00000 MHz	−154.7 dBm	−150 dBm	0.34 dB	
39001.00000 MHz	−155.1 dBm	−150 dBm	0.34 dB	
39501.00000 MHz	−155.3 dBm	−150 dBm	0.34 dB	
40001.00000 MHz	−154.2 dBm	−150 dBm	0.34 dB	
40501.00000 MHz	−153.6 dBm	−150 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

Frequency	Measured	Maximum	Uncert.	Status
41001.00000 MHz	−152.8 dBm	−150 dBm	0.34 dB	
41501.00000 MHz	−152.1 dBm	−150 dBm	0.34 dB	
42001.00000 MHz	−153.4 dBm	−150 dBm	0.34 dB	
42501.00000 MHz	−151.7 dBm	−150 dBm	0.34 dB	
43001.00000 MHz	−152.5 dBm	−150 dBm	0.34 dB	
43501.00000 MHz	−151.7 dBm	−150 dBm	0.34 dB	
43991.00000 MHz	−152.2 dBm	−150 dBm	0.34 dB	

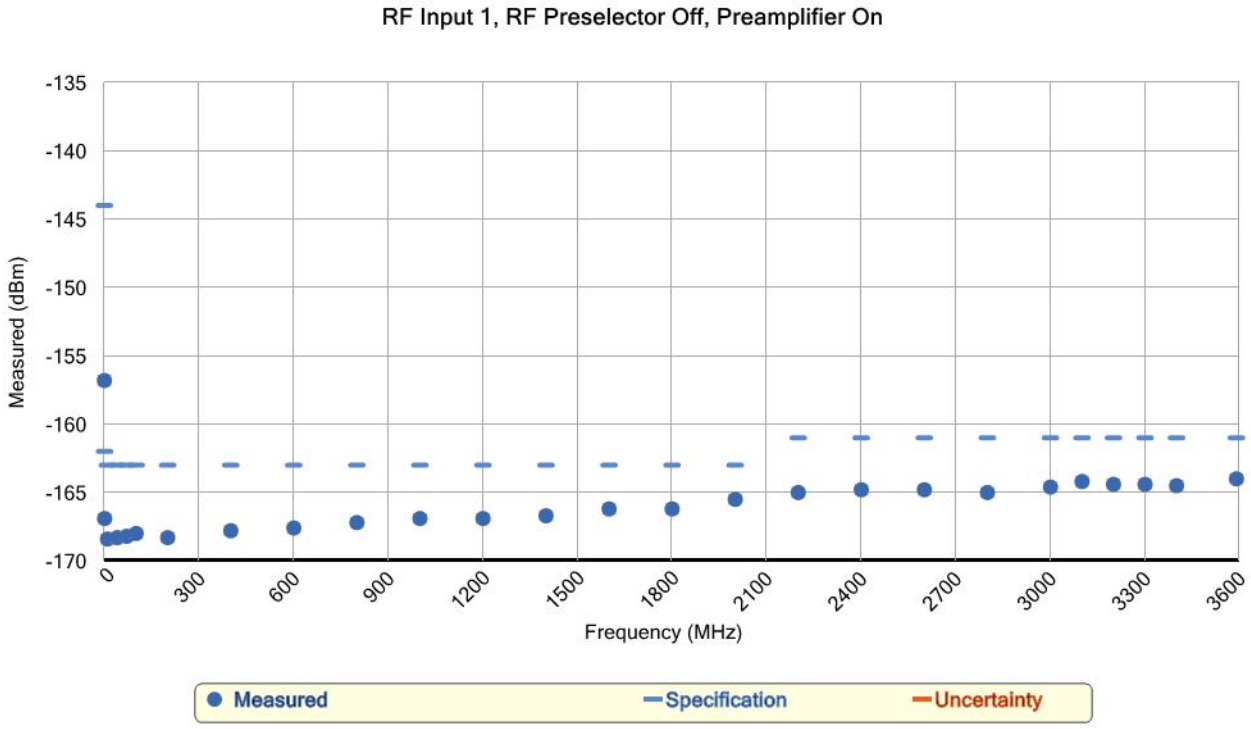


RF Input 1, RF Preselector On, Preamplifier On

Frequency	Measured	Maximum	Uncert.	Status
0.00100 MHz	−139.7 dBm	−119 dBm	0.75 dB	
0.00900 MHz	−152.4 dBm	−143 dBm	0.34 dB	
0.10000 MHz	−161.4 dBm	−140 dBm	0.34 dB	
1.50000 MHz	−169.7 dBm	−166 dBm	0.34 dB	
3.00000 MHz	−165.2 dBm	−158 dBm	0.34 dB	
7.00000 MHz	−165.2 dBm	−158 dBm	0.34 dB	
9.00000 MHz	−164.6 dBm	−158 dBm	0.34 dB	
13.00000 MHz	−163.5 dBm	−158 dBm	0.34 dB	
15.00000 MHz	−164.1 dBm	−158 dBm	0.34 dB	
19.00000 MHz	−163.9 dBm	−158 dBm	0.34 dB	
22.00000 MHz	−162.7 dBm	−158 dBm	0.34 dB	
26.00000 MHz	−163.1 dBm	−158 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

Frequency	Measured	Maximum	Uncert.	Status
31.00000 MHz	−163.3 dBm	−159 dBm	0.34 dB	
61.00000 MHz	−163.7 dBm	−159 dBm	0.34 dB	
101.00000 MHz	−164.9 dBm	−159 dBm	0.34 dB	
226.00000 MHz	−163.0 dBm	−159 dBm	0.34 dB	
451.00000 MHz	−161.3 dBm	−159 dBm	0.34 dB	
651.00000 MHz	−159.5 dBm	−157 dBm	0.34 dB	
951.00000 MHz	−161.7 dBm	−158 dBm	0.34 dB	
1051.00000 MHz	−162.0 dBm	−156 dBm	0.34 dB	
1451.00000 MHz	−159.1 dBm	−156 dBm	0.34 dB	
1951.00000 MHz	−161.0 dBm	−156 dBm	0.34 dB	
2051.00000 MHz	−163.1 dBm	−160 dBm	0.34 dB	
2741.00000 MHz	−162.7 dBm	−160 dBm	0.34 dB	
2761.00000 MHz	−162.2 dBm	−157 dBm	0.34 dB	
3001.00000 MHz	−161.7 dBm	−157 dBm	0.34 dB	
3101.00000 MHz	−161.1 dBm	−157 dBm	0.34 dB	
3201.00000 MHz	−161.0 dBm	−157 dBm	0.34 dB	
3301.00000 MHz	−161.2 dBm	−157 dBm	0.34 dB	
3401.00000 MHz	−160.4 dBm	−157 dBm	0.34 dB	
3591.00000 MHz	−159.3 dBm	−157 dBm	0.34 dB	

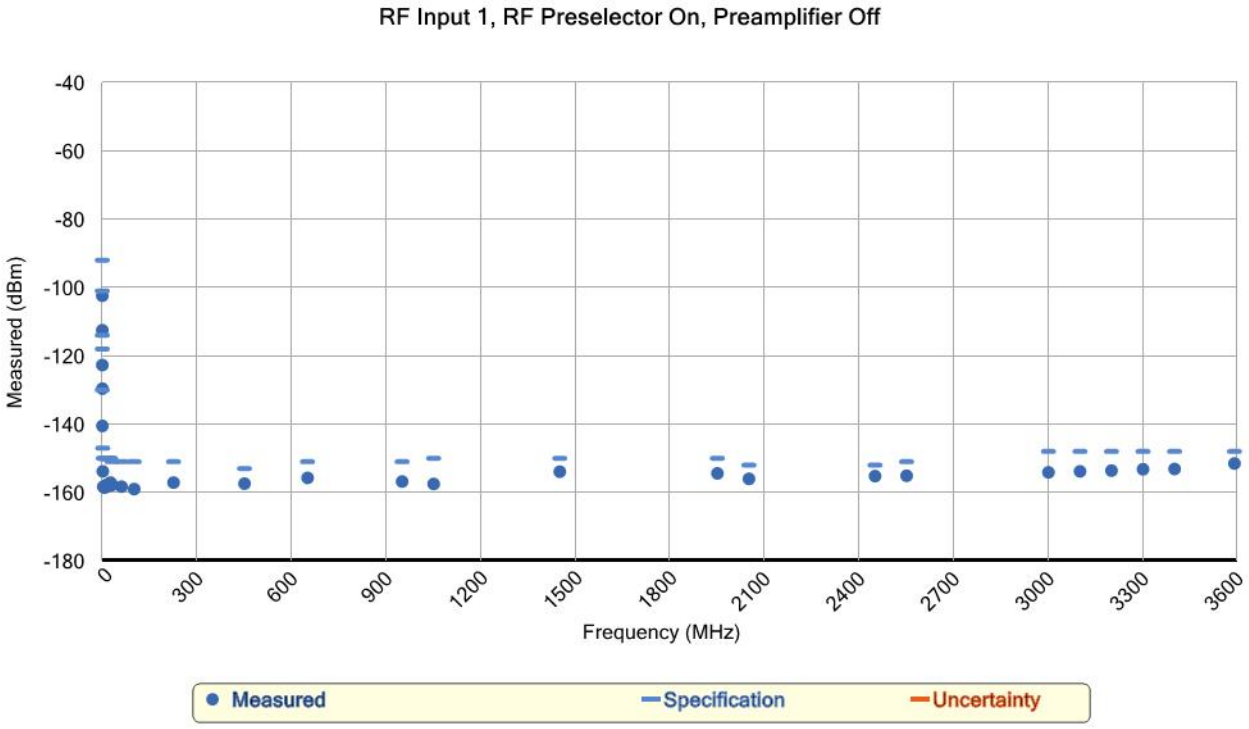


Displayed Average Noise Level (cont.)

RF Input 1, RF Preselector Off, Preamplifier On

Frequency	Measured	Maximum	Uncert.	Status
0.10000 MHz	−156.8 dBm	−144 dBm	0.34 dB	
1.00000 MHz	−166.9 dBm	−162 dBm	0.34 dB	
10.10000 MHz	−168.4 dBm	−163 dBm	0.34 dB	
41.00000 MHz	−168.3 dBm	−163 dBm	0.34 dB	
71.00000 MHz	−168.2 dBm	−163 dBm	0.34 dB	
101.00000 MHz	−168.0 dBm	−163 dBm	0.34 dB	
201.00000 MHz	−168.3 dBm	−163 dBm	0.34 dB	
401.00000 MHz	−167.8 dBm	−163 dBm	0.34 dB	
601.00000 MHz	−167.6 dBm	−163 dBm	0.34 dB	
801.00000 MHz	−167.2 dBm	−163 dBm	0.34 dB	
1001.00000 MHz	−166.9 dBm	−163 dBm	0.34 dB	
1201.00000 MHz	−166.9 dBm	−163 dBm	0.34 dB	
1401.00000 MHz	−166.7 dBm	−163 dBm	0.34 dB	
1601.00000 MHz	−166.2 dBm	−163 dBm	0.34 dB	
1801.00000 MHz	−166.2 dBm	−163 dBm	0.34 dB	
2001.00000 MHz	−165.5 dBm	−163 dBm	0.34 dB	
2201.00000 MHz	−165.0 dBm	−161 dBm	0.34 dB	
2401.00000 MHz	−164.8 dBm	−161 dBm	0.34 dB	
2601.00000 MHz	−164.8 dBm	−161 dBm	0.34 dB	
2801.00000 MHz	−165.0 dBm	−161 dBm	0.34 dB	
3001.00000 MHz	−164.6 dBm	−161 dBm	0.34 dB	
3101.00000 MHz	−164.2 dBm	−161 dBm	0.34 dB	
3201.00000 MHz	−164.4 dBm	−161 dBm	0.34 dB	
3301.00000 MHz	−164.4 dBm	−161 dBm	0.34 dB	
3401.00000 MHz	−164.5 dBm	−161 dBm	0.34 dB	
3591.00000 MHz	−164.0 dBm	−161 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

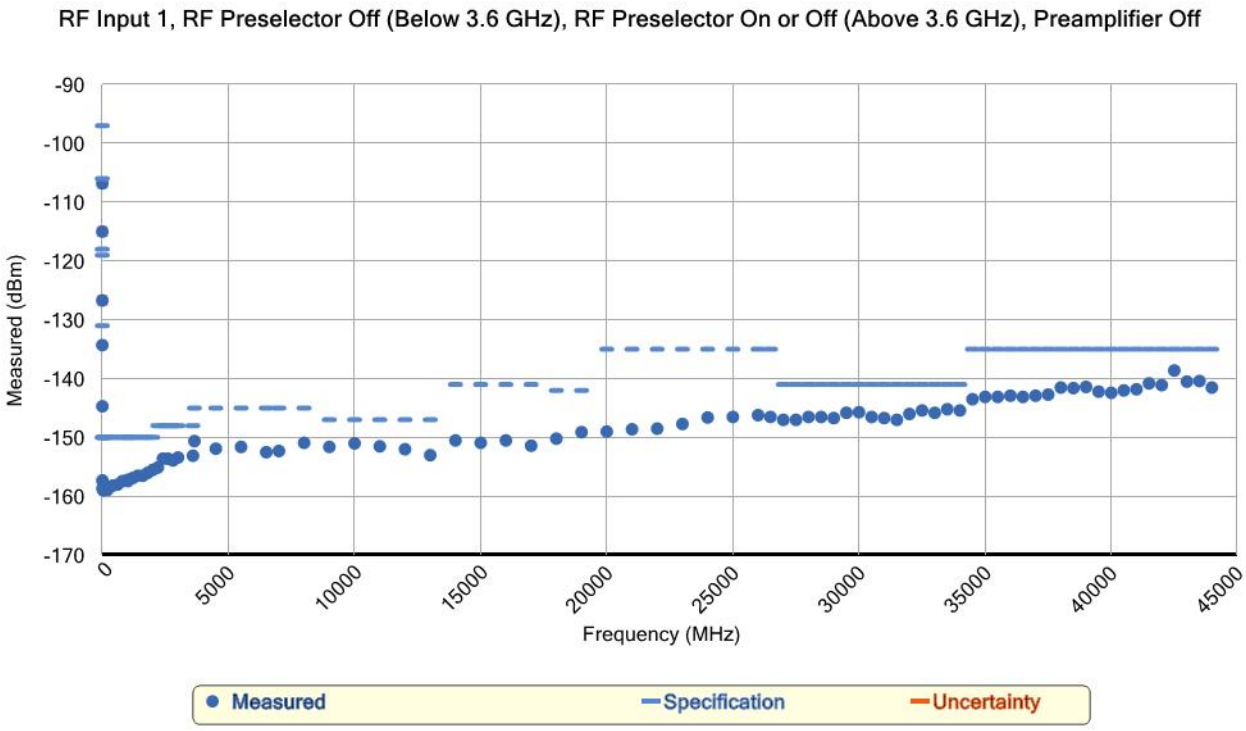


RF Input 1, RF Preselector On, Preamplifier Off

Frequency	Measured	Maximum	Uncert.	Status
0.00002 MHz	−102.4 dBm	−92 dBm	0.75 dB	
0.00010 MHz	−112.5 dBm	−101 dBm	0.75 dB	
0.00100 MHz	−122.7 dBm	−114 dBm	0.75 dB	
0.00900 MHz	−129.6 dBm	−118 dBm	0.34 dB	
0.10000 MHz	−140.5 dBm	−130 dBm	0.34 dB	
1.50000 MHz	−153.8 dBm	−147 dBm	0.34 dB	
3.00000 MHz	−158.3 dBm	−150 dBm	0.34 dB	
7.00000 MHz	−158.6 dBm	−150 dBm	0.34 dB	
9.00000 MHz	−158.2 dBm	−150 dBm	0.34 dB	
13.00000 MHz	−157.8 dBm	−150 dBm	0.34 dB	
15.00000 MHz	−158.2 dBm	−150 dBm	0.34 dB	
19.00000 MHz	−158.1 dBm	−150 dBm	0.34 dB	
22.00000 MHz	−157.4 dBm	−150 dBm	0.34 dB	
26.00000 MHz	−157.1 dBm	−150 dBm	0.34 dB	
31.00000 MHz	−157.8 dBm	−151 dBm	0.34 dB	
61.00000 MHz	−158.3 dBm	−151 dBm	0.34 dB	
101.00000 MHz	−159.0 dBm	−151 dBm	0.34 dB	
226.00000 MHz	−157.1 dBm	−151 dBm	0.34 dB	
451.00000 MHz	−157.4 dBm	−153 dBm	0.34 dB	
651.00000 MHz	−155.7 dBm	−151 dBm	0.34 dB	
951.00000 MHz	−156.8 dBm	−151 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

Frequency	Measured	Maximum	Uncert.	Status
1051.00000 MHz	−157.5 dBm	−150 dBm	0.34 dB	
1451.00000 MHz	−153.9 dBm	−150 dBm	0.34 dB	
1951.00000 MHz	−154.4 dBm	−150 dBm	0.34 dB	
2051.00000 MHz	−156.0 dBm	−152 dBm	0.34 dB	
2451.00000 MHz	−155.2 dBm	−152 dBm	0.34 dB	
2551.00000 MHz	−155.1 dBm	−151 dBm	0.34 dB	
3001.00000 MHz	−154.1 dBm	−148 dBm	0.34 dB	
3101.00000 MHz	−153.8 dBm	−148 dBm	0.34 dB	
3201.00000 MHz	−153.6 dBm	−148 dBm	0.34 dB	
3301.00000 MHz	−153.2 dBm	−148 dBm	0.34 dB	
3401.00000 MHz	−153.1 dBm	−148 dBm	0.34 dB	
3591.00000 MHz	−151.5 dBm	−148 dBm	0.34 dB	



RF Input 1, RF Preselector Off (Below 3.6 GHz), RF Preselector On or Off (Above 3.6 GHz), Preamplifier Off

Frequency	Measured	Maximum	Uncert.	Status
0.00002 MHz	−106.8 dBm	−97 dBm	0.75 dB	
0.00010 MHz	−115.0 dBm	−106 dBm	0.75 dB	
0.00100 MHz	−126.7 dBm	−118 dBm	0.75 dB	
0.00900 MHz	−134.3 dBm	−119 dBm	0.34 dB	
0.10000 MHz	−144.7 dBm	−131 dBm	0.34 dB	
1.00000 MHz	−157.3 dBm	−150 dBm	0.34 dB	
10.10000 MHz	−158.6 dBm	−150 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

Frequency	Measured	Maximum	Uncert.	Status
21.00000 MHz	−158.8 dBm	−150 dBm	0.34 dB	
41.00000 MHz	−159.0 dBm	−150 dBm	0.34 dB	
71.00000 MHz	−158.5 dBm	−150 dBm	0.34 dB	
101.00000 MHz	−158.7 dBm	−150 dBm	0.34 dB	
201.00000 MHz	−158.9 dBm	−150 dBm	0.34 dB	
401.00000 MHz	−158.2 dBm	−150 dBm	0.34 dB	
601.00000 MHz	−158.0 dBm	−150 dBm	0.34 dB	
801.00000 MHz	−157.4 dBm	−150 dBm	0.34 dB	
1001.00000 MHz	−157.2 dBm	−150 dBm	0.34 dB	
1010.00000 MHz	−157.4 dBm	−150 dBm	0.34 dB	
1201.00000 MHz	−156.9 dBm	−150 dBm	0.34 dB	
1401.00000 MHz	−156.5 dBm	−150 dBm	0.34 dB	
1601.00000 MHz	−156.5 dBm	−150 dBm	0.34 dB	
1801.00000 MHz	−156.0 dBm	−150 dBm	0.34 dB	
2001.00000 MHz	−155.5 dBm	−150 dBm	0.34 dB	
2201.00000 MHz	−155.1 dBm	−148 dBm	0.34 dB	
2401.00000 MHz	−153.6 dBm	−148 dBm	0.34 dB	
2601.00000 MHz	−153.6 dBm	−148 dBm	0.34 dB	
2801.00000 MHz	−153.9 dBm	−148 dBm	0.34 dB	
3001.00000 MHz	−153.4 dBm	−148 dBm	0.34 dB	
3591.00000 MHz	−153.1 dBm	−148 dBm	0.34 dB	
3651.00000 MHz	−150.6 dBm	−145 dBm	0.34 dB	
4501.00000 MHz	−151.9 dBm	−145 dBm	0.34 dB	
5501.00000 MHz	−151.6 dBm	−145 dBm	0.34 dB	
6501.00000 MHz	−152.5 dBm	−145 dBm	0.34 dB	
7001.00000 MHz	−152.3 dBm	−145 dBm	0.34 dB	
8001.00000 MHz	−150.9 dBm	−145 dBm	0.34 dB	
9001.00000 MHz	−151.6 dBm	−147 dBm	0.34 dB	
10001.00000 MHz	−151.0 dBm	−147 dBm	0.34 dB	
11001.00000 MHz	−151.5 dBm	−147 dBm	0.34 dB	
12001.00000 MHz	−152.0 dBm	−147 dBm	0.34 dB	
13001.00000 MHz	−153.0 dBm	−147 dBm	0.34 dB	
14001.00000 MHz	−150.5 dBm	−141 dBm	0.34 dB	
15001.00000 MHz	−150.9 dBm	−141 dBm	0.34 dB	
16001.00000 MHz	−150.5 dBm	−141 dBm	0.34 dB	
17001.00000 MHz	−151.4 dBm	−141 dBm	0.34 dB	
18001.00000 MHz	−150.2 dBm	−142 dBm	0.34 dB	
19001.00000 MHz	−149.1 dBm	−142 dBm	0.34 dB	
20001.00000 MHz	−149.0 dBm	−135 dBm	0.34 dB	
21001.00000 MHz	−148.6 dBm	−135 dBm	0.34 dB	
22001.00000 MHz	−148.5 dBm	−135 dBm	0.34 dB	
23001.00000 MHz	−147.7 dBm	−135 dBm	0.34 dB	
24001.00000 MHz	−146.6 dBm	−135 dBm	0.34 dB	
25001.00000 MHz	−146.5 dBm	−135 dBm	0.34 dB	
26001.00000 MHz	−146.2 dBm	−135 dBm	0.34 dB	
26491.00000 MHz	−146.5 dBm	−135 dBm	0.34 dB	
27001.00000 MHz	−147.0 dBm	−141 dBm	0.34 dB	
27501.00000 MHz	−147.0 dBm	−141 dBm	0.34 dB	
28001.00000 MHz	−146.5 dBm	−141 dBm	0.34 dB	
28501.00000 MHz	−146.5 dBm	−141 dBm	0.34 dB	
29001.00000 MHz	−146.7 dBm	−141 dBm	0.34 dB	

Displayed Average Noise Level (cont.)

Frequency	Measured	Maximum	Uncert.	Status
29501.00000 MHz	−145.8 dBm	−141 dBm	0.34 dB	
30001.00000 MHz	−145.7 dBm	−141 dBm	0.34 dB	
30501.00000 MHz	−146.5 dBm	−141 dBm	0.34 dB	
31001.00000 MHz	−146.7 dBm	−141 dBm	0.34 dB	
31501.00000 MHz	−147.0 dBm	−141 dBm	0.34 dB	
32001.00000 MHz	−146.0 dBm	−141 dBm	0.34 dB	
32501.00000 MHz	−145.4 dBm	−141 dBm	0.34 dB	
33001.00000 MHz	−145.8 dBm	−141 dBm	0.34 dB	
33501.00000 MHz	−145.2 dBm	−141 dBm	0.34 dB	
34001.00000 MHz	−145.4 dBm	−141 dBm	0.34 dB	
34501.00000 MHz	−143.5 dBm	−135 dBm	0.34 dB	
35001.00000 MHz	−143.1 dBm	−135 dBm	0.34 dB	
35501.00000 MHz	−143.1 dBm	−135 dBm	0.34 dB	
36001.00000 MHz	−142.9 dBm	−135 dBm	0.34 dB	
36501.00000 MHz	−143.1 dBm	−135 dBm	0.34 dB	
37001.00000 MHz	−142.9 dBm	−135 dBm	0.34 dB	
37501.00000 MHz	−142.7 dBm	−135 dBm	0.34 dB	
38001.00000 MHz	−141.5 dBm	−135 dBm	0.34 dB	
38501.00000 MHz	−141.6 dBm	−135 dBm	0.34 dB	
39001.00000 MHz	−141.4 dBm	−135 dBm	0.34 dB	
39501.00000 MHz	−142.2 dBm	−135 dBm	0.34 dB	
40001.00000 MHz	−142.4 dBm	−135 dBm	0.34 dB	
40501.00000 MHz	−142.0 dBm	−135 dBm	0.34 dB	
41001.00000 MHz	−141.8 dBm	−135 dBm	0.34 dB	
41501.00000 MHz	−140.8 dBm	−135 dBm	0.34 dB	
42001.00000 MHz	−141.1 dBm	−135 dBm	0.34 dB	
42501.00000 MHz	−138.6 dBm	−135 dBm	0.34 dB	
43001.00000 MHz	−140.5 dBm	−135 dBm	0.34 dB	
43501.00000 MHz	−140.4 dBm	−135 dBm	0.34 dB	
43991.00000 MHz	−141.5 dBm	−135 dBm	0.34 dB	

Frequency Readout Accuracy

Passed

Center Frequency	Span	RBW	Minimum	Measured	Maximum	Uncertainty	Sts
517.59 MHz	1.98 MHz	0.02 MHz	−5.90 kHz	0.20 kHz	5.90 kHz	0.30 kHz	
832.50 MHz	1.98 MHz	0.02 MHz	−5.90 kHz	0.30 kHz	5.90 kHz	0.30 kHz	
1505.00 MHz	318.00 MHz	3.00 MHz	−952.95 kHz	47.70 kHz	952.95 kHz	49 kHz	
1505.00 MHz	127.20 MHz	1.20 MHz	−381.18 kHz	19.08 kHz	381.18 kHz	19 kHz	
1505.00 MHz	54.10 MHz	0.51 MHz	−162.10 kHz	5.41 kHz	162.10 kHz	8.3 kHz	
1505.00 MHz	7.95 MHz	0.08 MHz	−23.83 kHz	1.59 kHz	23.83 kHz	1.2 kHz	
1505.00 MHz	0.11 MHz	0.00 MHz	−0.32 kHz	0.01 kHz	0.32 kHz	0.016 kHz	

Frequency Span Accuracy

Passed

Sweep Points = 20001

Center Frequency	Span	Resolution Bandwidth	Minimum	Measured	Maximum	Uncert.	Status
200.00 MHz	17.00 MHz	8.20 kHz	−0.255 %	0.0000 %	0.255 %	0.0041 %	

Frequency Span Accuracy (cont.)

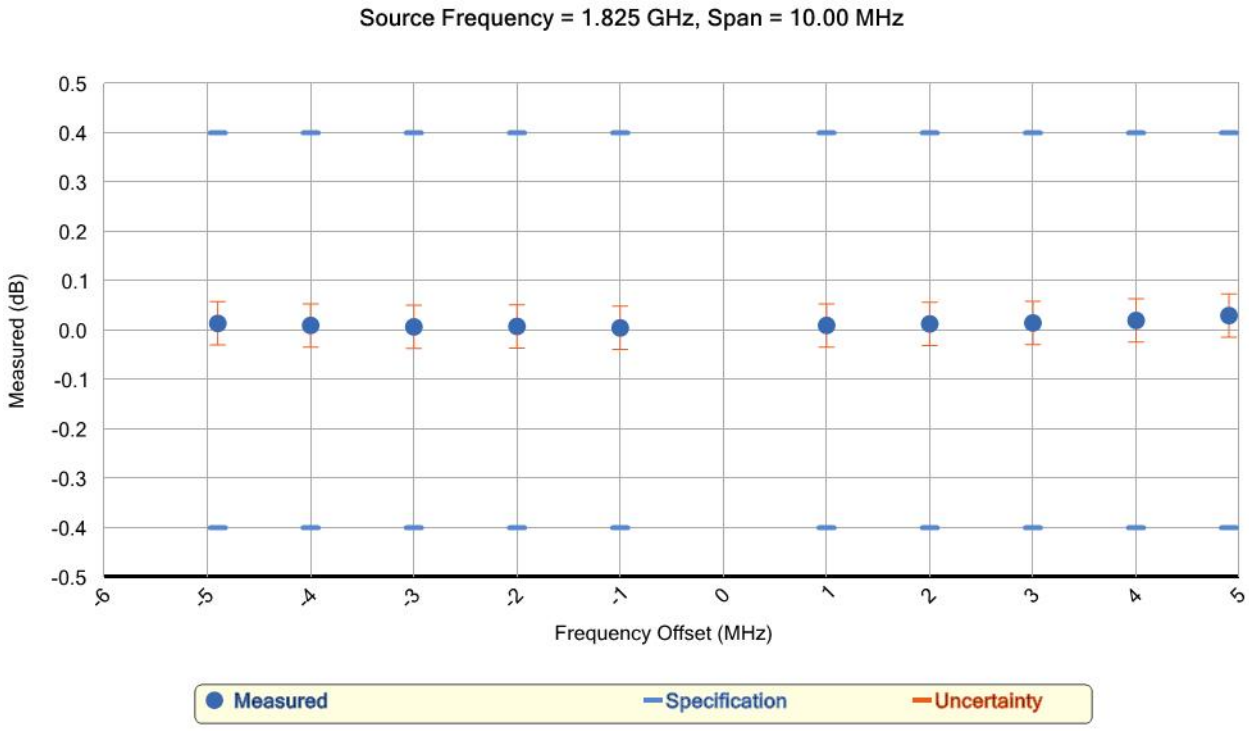
Center Frequency	Span	Resolution Bandwidth	Minimum	Measured	Maximum	Uncert.	Status
350.00 MHz	680.00 MHz	68.00 kHz	−0.260 %	0.0000 %	0.260 %	0.0082 %	
1377.50 MHz	1600.00 MHz	160.00 kHz	−0.260 %	0.0000 %	0.260 %	0.0082 %	
1415.00 MHz	1570.00 MHz	160.00 kHz	−0.260 %	0.0000 %	0.260 %	0.0082 %	
1805.00 MHz	3590.00 MHz	360.00 kHz	−0.260 %	0.0000 %	0.260 %	0.0082 %	
2800.00 MHz	1600.00 MHz	160.00 kHz	−0.260 %	0.0000 %	0.260 %	0.0082 %	
2838.75 MHz	1522.50 MHz	150.00 kHz	−0.260 %	0.0000 %	0.260 %	0.0082 %	

Count Accuracy **Passed**

Frequency = 1.00 GHz

Center Frequency	Frequency Count	Minimum	Measured	Maximum	Uncertainty	Status
1.00 GHz	999999999.99 Hz	−0.100 Hz	−0.0066 Hz	0.100 Hz	0.0050 Hz	

IF Frequency Response **Passed**

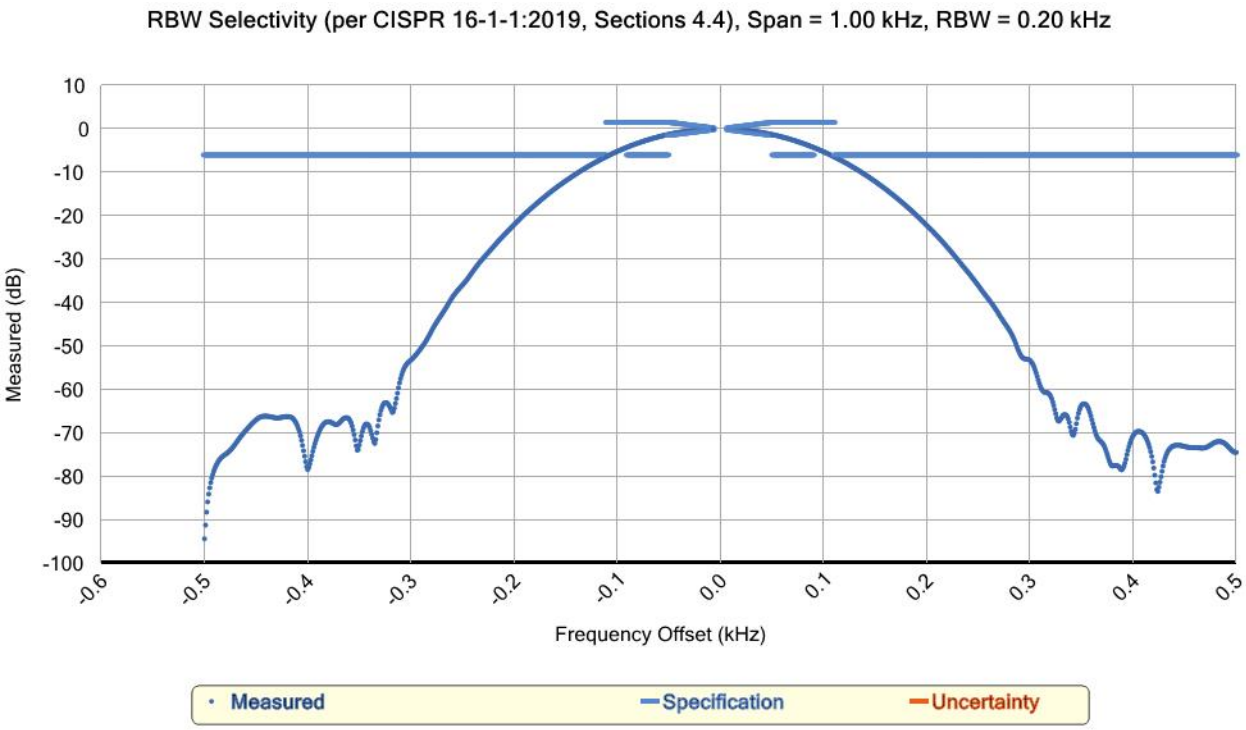


IF Frequency Response (cont.)

Source Frequency = 1.825 GHz, Span = 10.00 MHz

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−4.90 MHz	−0.40 dB	0.014 dB	0.40 dB	0.044 dB	
−4.00 MHz	−0.40 dB	0.010 dB	0.40 dB	0.044 dB	
−3.00 MHz	−0.40 dB	0.007 dB	0.40 dB	0.044 dB	
−2.00 MHz	−0.40 dB	0.008 dB	0.40 dB	0.044 dB	
−1.00 MHz	−0.40 dB	0.005 dB	0.40 dB	0.044 dB	
1.00 MHz	−0.40 dB	0.010 dB	0.40 dB	0.044 dB	
2.00 MHz	−0.40 dB	0.013 dB	0.40 dB	0.044 dB	
3.00 MHz	−0.40 dB	0.015 dB	0.40 dB	0.044 dB	
4.00 MHz	−0.40 dB	0.020 dB	0.40 dB	0.044 dB	
4.90 MHz	−0.40 dB	0.030 dB	0.40 dB	0.044 dB	

RBW Selectivity CISPR Bands **Passed**



RBW Selectivity (per CISPR 16-1-1:2019, Sections 4.4), Span = 1.00 kHz, RBW = 0.20 kHz

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−0.111 kHz		−6.437 dB	−6.00 dB	0.061 dB	
−0.110 kHz		−6.317 dB	1.50 dB	0.061 dB	
−0.109 kHz		−6.200 dB	1.50 dB	0.061 dB	
−0.108 kHz		−6.083 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−0.107 kHz		−5.968 dB	1.50 dB	0.061 dB	
−0.106 kHz		−5.853 dB	1.50 dB	0.061 dB	
−0.105 kHz		−5.739 dB	1.50 dB	0.061 dB	
−0.104 kHz		−5.628 dB	1.50 dB	0.061 dB	
−0.103 kHz		−5.515 dB	1.50 dB	0.061 dB	
−0.102 kHz		−5.407 dB	1.50 dB	0.061 dB	
−0.101 kHz		−5.298 dB	1.50 dB	0.061 dB	
−0.100 kHz		−5.191 dB	1.50 dB	0.061 dB	
−0.099 kHz		−5.084 dB	1.50 dB	0.061 dB	
−0.098 kHz		−4.980 dB	1.50 dB	0.061 dB	
−0.097 kHz		−4.875 dB	1.50 dB	0.061 dB	
−0.096 kHz		−4.772 dB	1.50 dB	0.061 dB	
−0.095 kHz		−4.670 dB	1.50 dB	0.061 dB	
−0.094 kHz		−4.570 dB	1.50 dB	0.061 dB	
−0.093 kHz		−4.469 dB	1.50 dB	0.061 dB	
−0.092 kHz		−4.371 dB	1.50 dB	0.061 dB	
−0.091 kHz		−4.273 dB	1.50 dB	0.061 dB	
−0.090 kHz	−6.00 dB	−4.177 dB	1.50 dB	0.061 dB	
−0.089 kHz	−6.00 dB	−4.083 dB	1.50 dB	0.061 dB	
−0.088 kHz	−6.00 dB	−3.989 dB	1.50 dB	0.061 dB	
−0.087 kHz	−6.00 dB	−3.898 dB	1.50 dB	0.061 dB	
−0.086 kHz	−6.00 dB	−3.807 dB	1.50 dB	0.061 dB	
−0.085 kHz	−6.00 dB	−3.718 dB	1.50 dB	0.061 dB	
−0.084 kHz	−6.00 dB	−3.629 dB	1.50 dB	0.061 dB	
−0.083 kHz	−6.00 dB	−3.541 dB	1.50 dB	0.061 dB	
−0.082 kHz	−6.00 dB	−3.454 dB	1.50 dB	0.061 dB	
−0.081 kHz	−6.00 dB	−3.369 dB	1.50 dB	0.061 dB	
−0.080 kHz	−6.00 dB	−3.285 dB	1.50 dB	0.061 dB	
−0.079 kHz	−6.00 dB	−3.201 dB	1.50 dB	0.061 dB	
−0.078 kHz	−6.00 dB	−3.119 dB	1.50 dB	0.061 dB	
−0.077 kHz	−6.00 dB	−3.038 dB	1.50 dB	0.061 dB	
−0.076 kHz	−6.00 dB	−2.958 dB	1.50 dB	0.061 dB	
−0.075 kHz	−6.00 dB	−2.879 dB	1.50 dB	0.061 dB	
−0.074 kHz	−6.00 dB	−2.801 dB	1.50 dB	0.061 dB	
−0.073 kHz	−6.00 dB	−2.723 dB	1.50 dB	0.061 dB	
−0.072 kHz	−6.00 dB	−2.648 dB	1.50 dB	0.061 dB	
−0.071 kHz	−6.00 dB	−2.574 dB	1.50 dB	0.061 dB	
−0.070 kHz	−6.00 dB	−2.501 dB	1.50 dB	0.061 dB	
−0.069 kHz	−6.00 dB	−2.428 dB	1.50 dB	0.061 dB	
−0.068 kHz	−6.00 dB	−2.357 dB	1.50 dB	0.061 dB	
−0.067 kHz	−6.00 dB	−2.286 dB	1.50 dB	0.061 dB	
−0.066 kHz	−6.00 dB	−2.218 dB	1.50 dB	0.061 dB	
−0.065 kHz	−6.00 dB	−2.149 dB	1.50 dB	0.061 dB	
−0.064 kHz	−6.00 dB	−2.083 dB	1.50 dB	0.061 dB	
−0.063 kHz	−6.00 dB	−2.017 dB	1.50 dB	0.061 dB	
−0.062 kHz	−6.00 dB	−1.953 dB	1.50 dB	0.061 dB	
−0.061 kHz	−6.00 dB	−1.889 dB	1.50 dB	0.061 dB	
−0.060 kHz	−6.00 dB	−1.825 dB	1.50 dB	0.061 dB	
−0.059 kHz	−6.00 dB	−1.763 dB	1.50 dB	0.061 dB	
−0.058 kHz	−6.00 dB	−1.702 dB	1.50 dB	0.061 dB	
−0.057 kHz	−6.00 dB	−1.642 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−0.056 kHz	−6.00 dB	−1.584 dB	1.50 dB	0.061 dB	
−0.055 kHz	−6.00 dB	−1.527 dB	1.50 dB	0.061 dB	
−0.054 kHz	−6.00 dB	−1.470 dB	1.50 dB	0.061 dB	
−0.053 kHz	−6.00 dB	−1.416 dB	1.50 dB	0.061 dB	
−0.052 kHz	−6.00 dB	−1.361 dB	1.50 dB	0.061 dB	
−0.051 kHz	−6.00 dB	−1.308 dB	1.50 dB	0.061 dB	
−0.050 kHz	−1.50 dB	−1.256 dB	1.50 dB	0.061 dB	
−0.049 kHz	−1.47 dB	−1.206 dB	1.47 dB	0.061 dB	
−0.048 kHz	−1.44 dB	−1.155 dB	1.44 dB	0.061 dB	
−0.047 kHz	−1.41 dB	−1.106 dB	1.41 dB	0.061 dB	
−0.046 kHz	−1.38 dB	−1.058 dB	1.38 dB	0.061 dB	
−0.045 kHz	−1.35 dB	−1.012 dB	1.35 dB	0.061 dB	
−0.044 kHz	−1.32 dB	−0.966 dB	1.32 dB	0.061 dB	
−0.043 kHz	−1.29 dB	−0.921 dB	1.29 dB	0.061 dB	
−0.042 kHz	−1.26 dB	−0.876 dB	1.26 dB	0.061 dB	
−0.041 kHz	−1.23 dB	−0.833 dB	1.23 dB	0.061 dB	
−0.040 kHz	−1.20 dB	−0.792 dB	1.20 dB	0.061 dB	
−0.039 kHz	−1.17 dB	−0.751 dB	1.17 dB	0.061 dB	
−0.038 kHz	−1.14 dB	−0.712 dB	1.14 dB	0.061 dB	
−0.037 kHz	−1.11 dB	−0.674 dB	1.11 dB	0.061 dB	
−0.036 kHz	−1.08 dB	−0.636 dB	1.08 dB	0.061 dB	
−0.035 kHz	−1.05 dB	−0.600 dB	1.05 dB	0.061 dB	
−0.034 kHz	−1.02 dB	−0.565 dB	1.02 dB	0.061 dB	
−0.033 kHz	−0.99 dB	−0.531 dB	0.99 dB	0.061 dB	
−0.032 kHz	−0.96 dB	−0.497 dB	0.96 dB	0.061 dB	
−0.031 kHz	−0.93 dB	−0.465 dB	0.93 dB	0.061 dB	
−0.030 kHz	−0.90 dB	−0.434 dB	0.90 dB	0.061 dB	
−0.029 kHz	−0.87 dB	−0.405 dB	0.87 dB	0.061 dB	
−0.028 kHz	−0.84 dB	−0.378 dB	0.84 dB	0.061 dB	
−0.027 kHz	−0.81 dB	−0.351 dB	0.81 dB	0.061 dB	
−0.026 kHz	−0.78 dB	−0.323 dB	0.78 dB	0.061 dB	
−0.025 kHz	−0.75 dB	−0.297 dB	0.75 dB	0.061 dB	
−0.024 kHz	−0.72 dB	−0.271 dB	0.72 dB	0.061 dB	
−0.023 kHz	−0.69 dB	−0.248 dB	0.69 dB	0.061 dB	
−0.022 kHz	−0.66 dB	−0.226 dB	0.66 dB	0.061 dB	
−0.021 kHz	−0.63 dB	−0.206 dB	0.63 dB	0.061 dB	
−0.020 kHz	−0.60 dB	−0.186 dB	0.60 dB	0.061 dB	
−0.019 kHz	−0.57 dB	−0.167 dB	0.57 dB	0.061 dB	
−0.018 kHz	−0.54 dB	−0.149 dB	0.54 dB	0.061 dB	
−0.017 kHz	−0.51 dB	−0.132 dB	0.51 dB	0.061 dB	
−0.016 kHz	−0.48 dB	−0.116 dB	0.48 dB	0.061 dB	
−0.015 kHz	−0.45 dB	−0.102 dB	0.45 dB	0.061 dB	
−0.014 kHz	−0.42 dB	−0.087 dB	0.42 dB	0.061 dB	
−0.013 kHz	−0.39 dB	−0.074 dB	0.39 dB	0.061 dB	
−0.012 kHz	−0.36 dB	−0.062 dB	0.36 dB	0.061 dB	
−0.011 kHz	−0.33 dB	−0.050 dB	0.33 dB	0.061 dB	
−0.010 kHz	−0.30 dB	−0.041 dB	0.30 dB	0.061 dB	
−0.009 kHz	−0.27 dB	−0.031 dB	0.27 dB	0.061 dB	
−0.008 kHz	−0.24 dB	−0.024 dB	0.24 dB	0.061 dB	
−0.007 kHz	−0.21 dB	−0.017 dB	0.21 dB	0.061 dB	
0.000 kHz		REF			

RBW Selectivity CISPR Bands (cont.)

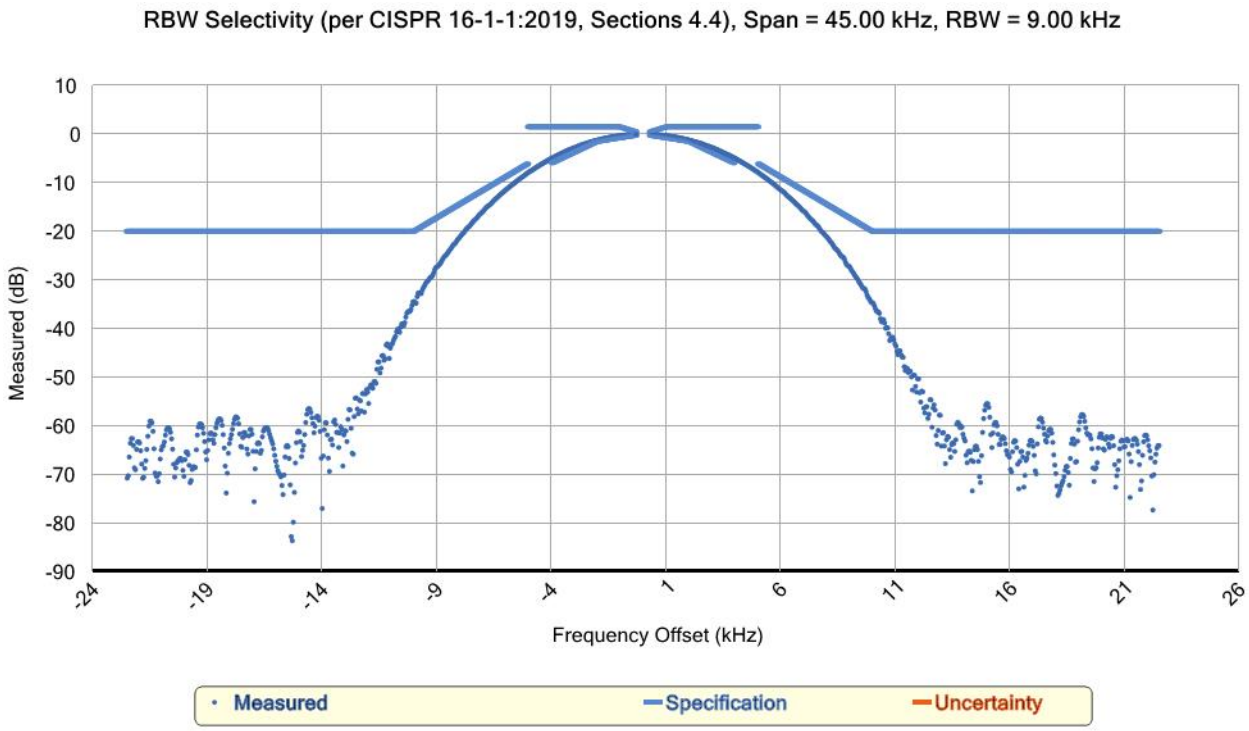
Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
0.007 kHz	−0.21 dB	−0.023 dB	0.21 dB	0.061 dB	
0.008 kHz	−0.24 dB	−0.031 dB	0.24 dB	0.061 dB	
0.009 kHz	−0.27 dB	−0.040 dB	0.27 dB	0.061 dB	
0.010 kHz	−0.30 dB	−0.050 dB	0.30 dB	0.061 dB	
0.011 kHz	−0.33 dB	−0.060 dB	0.33 dB	0.061 dB	
0.012 kHz	−0.36 dB	−0.072 dB	0.36 dB	0.061 dB	
0.013 kHz	−0.39 dB	−0.084 dB	0.39 dB	0.061 dB	
0.014 kHz	−0.42 dB	−0.098 dB	0.42 dB	0.061 dB	
0.015 kHz	−0.45 dB	−0.112 dB	0.45 dB	0.061 dB	
0.016 kHz	−0.48 dB	−0.128 dB	0.48 dB	0.061 dB	
0.017 kHz	−0.51 dB	−0.145 dB	0.51 dB	0.061 dB	
0.018 kHz	−0.54 dB	−0.164 dB	0.54 dB	0.061 dB	
0.019 kHz	−0.57 dB	−0.183 dB	0.57 dB	0.061 dB	
0.020 kHz	−0.60 dB	−0.203 dB	0.60 dB	0.061 dB	
0.021 kHz	−0.63 dB	−0.224 dB	0.63 dB	0.061 dB	
0.022 kHz	−0.66 dB	−0.246 dB	0.66 dB	0.061 dB	
0.023 kHz	−0.69 dB	−0.269 dB	0.69 dB	0.061 dB	
0.024 kHz	−0.72 dB	−0.294 dB	0.72 dB	0.061 dB	
0.025 kHz	−0.75 dB	−0.319 dB	0.75 dB	0.061 dB	
0.026 kHz	−0.78 dB	−0.346 dB	0.78 dB	0.061 dB	
0.027 kHz	−0.81 dB	−0.373 dB	0.81 dB	0.061 dB	
0.028 kHz	−0.84 dB	−0.401 dB	0.84 dB	0.061 dB	
0.029 kHz	−0.87 dB	−0.430 dB	0.87 dB	0.061 dB	
0.030 kHz	−0.90 dB	−0.460 dB	0.90 dB	0.061 dB	
0.031 kHz	−0.93 dB	−0.492 dB	0.93 dB	0.061 dB	
0.032 kHz	−0.96 dB	−0.526 dB	0.96 dB	0.061 dB	
0.033 kHz	−0.99 dB	−0.560 dB	0.99 dB	0.061 dB	
0.034 kHz	−1.02 dB	−0.595 dB	1.02 dB	0.061 dB	
0.035 kHz	−1.05 dB	−0.632 dB	1.05 dB	0.061 dB	
0.036 kHz	−1.08 dB	−0.669 dB	1.08 dB	0.061 dB	
0.037 kHz	−1.11 dB	−0.707 dB	1.11 dB	0.061 dB	
0.038 kHz	−1.14 dB	−0.746 dB	1.14 dB	0.061 dB	
0.039 kHz	−1.17 dB	−0.786 dB	1.17 dB	0.061 dB	
0.040 kHz	−1.20 dB	−0.826 dB	1.20 dB	0.061 dB	
0.041 kHz	−1.23 dB	−0.868 dB	1.23 dB	0.061 dB	
0.042 kHz	−1.26 dB	−0.910 dB	1.26 dB	0.061 dB	
0.043 kHz	−1.29 dB	−0.955 dB	1.29 dB	0.061 dB	
0.044 kHz	−1.32 dB	−1.000 dB	1.32 dB	0.061 dB	
0.045 kHz	−1.35 dB	−1.047 dB	1.35 dB	0.061 dB	
0.046 kHz	−1.38 dB	−1.095 dB	1.38 dB	0.061 dB	
0.047 kHz	−1.41 dB	−1.144 dB	1.41 dB	0.061 dB	
0.048 kHz	−1.44 dB	−1.195 dB	1.44 dB	0.061 dB	
0.049 kHz	−1.47 dB	−1.246 dB	1.47 dB	0.061 dB	
0.050 kHz	−1.50 dB	−1.298 dB	1.50 dB	0.061 dB	
0.051 kHz	−6.00 dB	−1.350 dB	1.50 dB	0.061 dB	
0.052 kHz	−6.00 dB	−1.403 dB	1.50 dB	0.061 dB	
0.053 kHz	−6.00 dB	−1.457 dB	1.50 dB	0.061 dB	
0.054 kHz	−6.00 dB	−1.513 dB	1.50 dB	0.061 dB	
0.055 kHz	−6.00 dB	−1.569 dB	1.50 dB	0.061 dB	
0.056 kHz	−6.00 dB	−1.628 dB	1.50 dB	0.061 dB	
0.057 kHz	−6.00 dB	−1.687 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
0.058 kHz	−6.00 dB	−1.748 dB	1.50 dB	0.061 dB	
0.059 kHz	−6.00 dB	−1.809 dB	1.50 dB	0.061 dB	
0.060 kHz	−6.00 dB	−1.873 dB	1.50 dB	0.061 dB	
0.061 kHz	−6.00 dB	−1.936 dB	1.50 dB	0.061 dB	
0.062 kHz	−6.00 dB	−2.000 dB	1.50 dB	0.061 dB	
0.063 kHz	−6.00 dB	−2.066 dB	1.50 dB	0.061 dB	
0.064 kHz	−6.00 dB	−2.132 dB	1.50 dB	0.061 dB	
0.065 kHz	−6.00 dB	−2.200 dB	1.50 dB	0.061 dB	
0.066 kHz	−6.00 dB	−2.269 dB	1.50 dB	0.061 dB	
0.067 kHz	−6.00 dB	−2.340 dB	1.50 dB	0.061 dB	
0.068 kHz	−6.00 dB	−2.411 dB	1.50 dB	0.061 dB	
0.069 kHz	−6.00 dB	−2.484 dB	1.50 dB	0.061 dB	
0.070 kHz	−6.00 dB	−2.557 dB	1.50 dB	0.061 dB	
0.071 kHz	−6.00 dB	−2.632 dB	1.50 dB	0.061 dB	
0.072 kHz	−6.00 dB	−2.708 dB	1.50 dB	0.061 dB	
0.073 kHz	−6.00 dB	−2.786 dB	1.50 dB	0.061 dB	
0.074 kHz	−6.00 dB	−2.863 dB	1.50 dB	0.061 dB	
0.075 kHz	−6.00 dB	−2.943 dB	1.50 dB	0.061 dB	
0.076 kHz	−6.00 dB	−3.023 dB	1.50 dB	0.061 dB	
0.077 kHz	−6.00 dB	−3.104 dB	1.50 dB	0.061 dB	
0.078 kHz	−6.00 dB	−3.188 dB	1.50 dB	0.061 dB	
0.079 kHz	−6.00 dB	−3.270 dB	1.50 dB	0.061 dB	
0.080 kHz	−6.00 dB	−3.356 dB	1.50 dB	0.061 dB	
0.081 kHz	−6.00 dB	−3.442 dB	1.50 dB	0.061 dB	
0.082 kHz	−6.00 dB	−3.529 dB	1.50 dB	0.061 dB	
0.083 kHz	−6.00 dB	−3.616 dB	1.50 dB	0.061 dB	
0.084 kHz	−6.00 dB	−3.705 dB	1.50 dB	0.061 dB	
0.085 kHz	−6.00 dB	−3.795 dB	1.50 dB	0.061 dB	
0.086 kHz	−6.00 dB	−3.887 dB	1.50 dB	0.061 dB	
0.087 kHz	−6.00 dB	−3.977 dB	1.50 dB	0.061 dB	
0.088 kHz	−6.00 dB	−4.072 dB	1.50 dB	0.061 dB	
0.089 kHz	−6.00 dB	−4.165 dB	1.50 dB	0.061 dB	
0.090 kHz	−6.00 dB	−4.261 dB	1.50 dB	0.061 dB	
0.091 kHz		−4.358 dB	1.50 dB	0.061 dB	
0.092 kHz		−4.455 dB	1.50 dB	0.061 dB	
0.093 kHz		−4.553 dB	1.50 dB	0.061 dB	
0.094 kHz		−4.652 dB	1.50 dB	0.061 dB	
0.095 kHz		−4.752 dB	1.50 dB	0.061 dB	
0.096 kHz		−4.853 dB	1.50 dB	0.061 dB	
0.097 kHz		−4.956 dB	1.50 dB	0.061 dB	
0.098 kHz		−5.058 dB	1.50 dB	0.061 dB	
0.099 kHz		−5.164 dB	1.50 dB	0.061 dB	
0.100 kHz		−5.269 dB	1.50 dB	0.061 dB	
0.101 kHz		−5.378 dB	1.50 dB	0.061 dB	
0.102 kHz		−5.486 dB	1.50 dB	0.061 dB	
0.103 kHz		−5.597 dB	1.50 dB	0.061 dB	
0.104 kHz		−5.708 dB	1.50 dB	0.061 dB	
0.105 kHz		−5.821 dB	1.50 dB	0.061 dB	
0.106 kHz		−5.936 dB	1.50 dB	0.061 dB	
0.107 kHz		−6.050 dB	1.50 dB	0.061 dB	
0.108 kHz		−6.167 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
0.109 kHz		−6.284 dB	1.50 dB	0.061 dB	
0.110 kHz		−6.404 dB	1.50 dB	0.061 dB	



RBW Selectivity (per CISPR 16-1-1:2019, Sections 4.4), Span = 45.00 kHz, RBW = 9.00 kHz

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−4.545 kHz		−6.497 dB	1.50 dB	0.061 dB	
−4.500 kHz		−6.365 dB	1.50 dB	0.061 dB	
−4.455 kHz		−6.225 dB	1.50 dB	0.061 dB	
−4.410 kHz		−6.093 dB	1.50 dB	0.061 dB	
−4.365 kHz		−5.969 dB	1.50 dB	0.061 dB	
−4.320 kHz		−5.853 dB	1.50 dB	0.061 dB	
−4.275 kHz		−5.732 dB	1.50 dB	0.061 dB	
−4.230 kHz		−5.601 dB	1.50 dB	0.061 dB	
−4.185 kHz		−5.469 dB	1.50 dB	0.061 dB	
−4.140 kHz		−5.338 dB	1.50 dB	0.061 dB	
−4.095 kHz		−5.220 dB	1.50 dB	0.061 dB	
−4.050 kHz		−5.111 dB	1.50 dB	0.061 dB	
−4.005 kHz		−5.008 dB	1.50 dB	0.061 dB	
−3.960 kHz	−5.91 dB	−4.898 dB	1.50 dB	0.061 dB	
−3.915 kHz	−5.81 dB	−4.783 dB	1.50 dB	0.061 dB	
−3.870 kHz	−5.71 dB	−4.663 dB	1.50 dB	0.061 dB	
−3.825 kHz	−5.61 dB	−4.546 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−3.780 kHz	−5.50 dB	−4.434 dB	1.50 dB	0.061 dB	
−3.735 kHz	−5.40 dB	−4.332 dB	1.50 dB	0.061 dB	
−3.690 kHz	−5.30 dB	−4.234 dB	1.50 dB	0.061 dB	
−3.645 kHz	−5.20 dB	−4.143 dB	1.50 dB	0.061 dB	
−3.600 kHz	−5.10 dB	−4.047 dB	1.50 dB	0.061 dB	
−3.555 kHz	−5.00 dB	−3.947 dB	1.50 dB	0.061 dB	
−3.510 kHz	−4.90 dB	−3.843 dB	1.50 dB	0.061 dB	
−3.465 kHz	−4.80 dB	−3.733 dB	1.50 dB	0.061 dB	
−3.420 kHz	−4.69 dB	−3.622 dB	1.50 dB	0.061 dB	
−3.375 kHz	−4.59 dB	−3.512 dB	1.50 dB	0.061 dB	
−3.330 kHz	−4.49 dB	−3.413 dB	1.50 dB	0.061 dB	
−3.285 kHz	−4.39 dB	−3.321 dB	1.50 dB	0.061 dB	
−3.240 kHz	−4.29 dB	−3.237 dB	1.50 dB	0.061 dB	
−3.195 kHz	−4.19 dB	−3.156 dB	1.50 dB	0.061 dB	
−3.150 kHz	−4.09 dB	−3.076 dB	1.50 dB	0.061 dB	
−3.105 kHz	−3.99 dB	−2.994 dB	1.50 dB	0.061 dB	
−3.060 kHz	−3.89 dB	−2.910 dB	1.50 dB	0.061 dB	
−3.015 kHz	−3.78 dB	−2.823 dB	1.50 dB	0.061 dB	
−2.970 kHz	−3.68 dB	−2.735 dB	1.50 dB	0.061 dB	
−2.925 kHz	−3.58 dB	−2.647 dB	1.50 dB	0.061 dB	
−2.880 kHz	−3.48 dB	−2.561 dB	1.50 dB	0.061 dB	
−2.835 kHz	−3.38 dB	−2.478 dB	1.50 dB	0.061 dB	
−2.790 kHz	−3.28 dB	−2.398 dB	1.50 dB	0.061 dB	
−2.745 kHz	−3.18 dB	−2.319 dB	1.50 dB	0.061 dB	
−2.700 kHz	−3.07 dB	−2.244 dB	1.50 dB	0.061 dB	
−2.655 kHz	−2.97 dB	−2.168 dB	1.50 dB	0.061 dB	
−2.610 kHz	−2.87 dB	−2.097 dB	1.50 dB	0.061 dB	
−2.565 kHz	−2.77 dB	−2.030 dB	1.50 dB	0.061 dB	
−2.520 kHz	−2.67 dB	−1.962 dB	1.50 dB	0.061 dB	
−2.475 kHz	−2.57 dB	−1.889 dB	1.50 dB	0.061 dB	
−2.430 kHz	−2.47 dB	−1.816 dB	1.50 dB	0.061 dB	
−2.385 kHz	−2.37 dB	−1.744 dB	1.50 dB	0.061 dB	
−2.340 kHz	−2.26 dB	−1.674 dB	1.50 dB	0.061 dB	
−2.295 kHz	−2.16 dB	−1.604 dB	1.50 dB	0.061 dB	
−2.250 kHz	−2.06 dB	−1.540 dB	1.50 dB	0.061 dB	
−2.205 kHz	−1.96 dB	−1.479 dB	1.50 dB	0.061 dB	
−2.160 kHz	−1.86 dB	−1.418 dB	1.50 dB	0.061 dB	
−2.115 kHz	−1.76 dB	−1.361 dB	1.50 dB	0.061 dB	
−2.070 kHz	−1.66 dB	−1.306 dB	1.50 dB	0.061 dB	
−2.025 kHz	−1.56 dB	−1.254 dB	1.50 dB	0.061 dB	
−1.980 kHz	−1.49 dB	−1.201 dB	1.50 dB	0.061 dB	
−1.935 kHz	−1.45 dB	−1.149 dB	1.50 dB	0.061 dB	
−1.890 kHz	−1.42 dB	−1.095 dB	1.50 dB	0.061 dB	
−1.845 kHz	−1.38 dB	−1.041 dB	1.50 dB	0.061 dB	
−1.800 kHz	−1.35 dB	−0.989 dB	1.50 dB	0.061 dB	
−1.755 kHz	−1.32 dB	−0.938 dB	1.50 dB	0.061 dB	
−1.710 kHz	−1.28 dB	−0.890 dB	1.50 dB	0.061 dB	
−1.665 kHz	−1.25 dB	−0.842 dB	1.50 dB	0.061 dB	
−1.620 kHz	−1.22 dB	−0.794 dB	1.50 dB	0.061 dB	
−1.575 kHz	−1.18 dB	−0.749 dB	1.50 dB	0.061 dB	
−1.530 kHz	−1.15 dB	−0.704 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

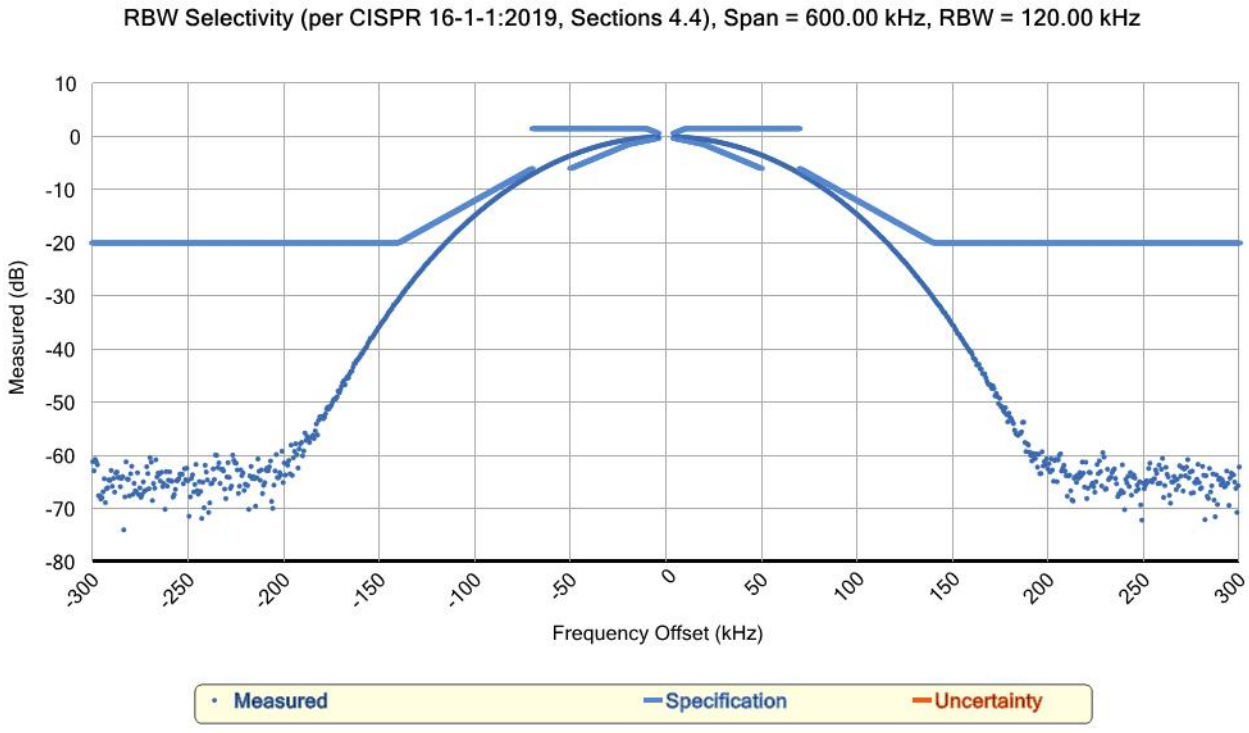
Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−1.485 kHz	−1.11 dB	−0.665 dB	1.50 dB	0.061 dB	
−1.440 kHz	−1.08 dB	−0.625 dB	1.50 dB	0.061 dB	
−1.395 kHz	−1.05 dB	−0.588 dB	1.50 dB	0.061 dB	
−1.350 kHz	−1.01 dB	−0.553 dB	1.50 dB	0.061 dB	
−1.305 kHz	−0.98 dB	−0.516 dB	1.50 dB	0.061 dB	
−1.260 kHz	−0.95 dB	−0.484 dB	1.50 dB	0.061 dB	
−1.215 kHz	−0.91 dB	−0.454 dB	1.50 dB	0.061 dB	
−1.170 kHz	−0.88 dB	−0.417 dB	1.50 dB	0.061 dB	
−1.125 kHz	−0.84 dB	−0.385 dB	1.50 dB	0.061 dB	
−1.080 kHz	−0.81 dB	−0.355 dB	1.50 dB	0.061 dB	
−1.035 kHz	−0.78 dB	−0.324 dB	1.50 dB	0.061 dB	
−0.990 kHz	−0.74 dB	−0.295 dB	1.49 dB	0.061 dB	
−0.945 kHz	−0.71 dB	−0.271 dB	1.42 dB	0.061 dB	
−0.900 kHz	−0.68 dB	−0.247 dB	1.35 dB	0.061 dB	
−0.855 kHz	−0.64 dB	−0.223 dB	1.28 dB	0.061 dB	
−0.810 kHz	−0.61 dB	−0.198 dB	1.22 dB	0.061 dB	
−0.765 kHz	−0.57 dB	−0.175 dB	1.15 dB	0.061 dB	
−0.720 kHz	−0.54 dB	−0.153 dB	1.08 dB	0.061 dB	
−0.675 kHz	−0.51 dB	−0.132 dB	1.01 dB	0.061 dB	
−0.630 kHz	−0.47 dB	−0.116 dB	0.95 dB	0.061 dB	
−0.585 kHz	−0.44 dB	−0.099 dB	0.88 dB	0.061 dB	
−0.540 kHz	−0.41 dB	−0.086 dB	0.81 dB	0.061 dB	
−0.495 kHz	−0.37 dB	−0.071 dB	0.74 dB	0.061 dB	
−0.450 kHz	−0.34 dB	−0.060 dB	0.68 dB	0.061 dB	
−0.405 kHz	−0.30 dB	−0.049 dB	0.61 dB	0.061 dB	
−0.360 kHz	−0.27 dB	−0.041 dB	0.54 dB	0.061 dB	
−0.315 kHz	−0.24 dB	−0.031 dB	0.47 dB	0.061 dB	
0.000 kHz		REF			
0.315 kHz	−0.24 dB	−0.029 dB	0.47 dB	0.061 dB	
0.360 kHz	−0.27 dB	−0.039 dB	0.54 dB	0.061 dB	
0.405 kHz	−0.30 dB	−0.048 dB	0.61 dB	0.061 dB	
0.450 kHz	−0.34 dB	−0.058 dB	0.68 dB	0.061 dB	
0.495 kHz	−0.37 dB	−0.068 dB	0.74 dB	0.061 dB	
0.540 kHz	−0.41 dB	−0.080 dB	0.81 dB	0.061 dB	
0.585 kHz	−0.44 dB	−0.094 dB	0.88 dB	0.061 dB	
0.630 kHz	−0.47 dB	−0.112 dB	0.95 dB	0.061 dB	
0.675 kHz	−0.51 dB	−0.126 dB	1.01 dB	0.061 dB	
0.720 kHz	−0.54 dB	−0.147 dB	1.08 dB	0.061 dB	
0.765 kHz	−0.57 dB	−0.167 dB	1.15 dB	0.061 dB	
0.810 kHz	−0.61 dB	−0.187 dB	1.22 dB	0.061 dB	
0.855 kHz	−0.64 dB	−0.211 dB	1.28 dB	0.061 dB	
0.900 kHz	−0.68 dB	−0.235 dB	1.35 dB	0.061 dB	
0.945 kHz	−0.71 dB	−0.259 dB	1.42 dB	0.061 dB	
0.990 kHz	−0.74 dB	−0.288 dB	1.49 dB	0.061 dB	
1.035 kHz	−0.78 dB	−0.315 dB	1.50 dB	0.061 dB	
1.080 kHz	−0.81 dB	−0.347 dB	1.50 dB	0.061 dB	
1.125 kHz	−0.84 dB	−0.376 dB	1.50 dB	0.061 dB	
1.170 kHz	−0.88 dB	−0.408 dB	1.50 dB	0.061 dB	
1.215 kHz	−0.91 dB	−0.440 dB	1.50 dB	0.061 dB	
1.260 kHz	−0.95 dB	−0.474 dB	1.50 dB	0.061 dB	
1.305 kHz	−0.98 dB	−0.504 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
1.350 kHz	−1.01 dB	−0.541 dB	1.50 dB	0.061 dB	
1.395 kHz	−1.05 dB	−0.581 dB	1.50 dB	0.061 dB	
1.440 kHz	−1.08 dB	−0.624 dB	1.50 dB	0.061 dB	
1.485 kHz	−1.11 dB	−0.667 dB	1.50 dB	0.061 dB	
1.530 kHz	−1.15 dB	−0.706 dB	1.50 dB	0.061 dB	
1.575 kHz	−1.18 dB	−0.749 dB	1.50 dB	0.061 dB	
1.620 kHz	−1.22 dB	−0.785 dB	1.50 dB	0.061 dB	
1.665 kHz	−1.25 dB	−0.827 dB	1.50 dB	0.061 dB	
1.710 kHz	−1.28 dB	−0.872 dB	1.50 dB	0.061 dB	
1.755 kHz	−1.32 dB	−0.920 dB	1.50 dB	0.061 dB	
1.800 kHz	−1.35 dB	−0.968 dB	1.50 dB	0.061 dB	
1.845 kHz	−1.38 dB	−1.019 dB	1.50 dB	0.061 dB	
1.890 kHz	−1.42 dB	−1.068 dB	1.50 dB	0.061 dB	
1.935 kHz	−1.45 dB	−1.124 dB	1.50 dB	0.061 dB	
1.980 kHz	−1.49 dB	−1.182 dB	1.50 dB	0.061 dB	
2.025 kHz	−1.56 dB	−1.244 dB	1.50 dB	0.061 dB	
2.070 kHz	−1.66 dB	−1.307 dB	1.50 dB	0.061 dB	
2.115 kHz	−1.76 dB	−1.365 dB	1.50 dB	0.061 dB	
2.160 kHz	−1.86 dB	−1.425 dB	1.50 dB	0.061 dB	
2.205 kHz	−1.96 dB	−1.484 dB	1.50 dB	0.061 dB	
2.250 kHz	−2.06 dB	−1.547 dB	1.50 dB	0.061 dB	
2.295 kHz	−2.16 dB	−1.606 dB	1.50 dB	0.061 dB	
2.340 kHz	−2.26 dB	−1.667 dB	1.50 dB	0.061 dB	
2.385 kHz	−2.37 dB	−1.723 dB	1.50 dB	0.061 dB	
2.430 kHz	−2.47 dB	−1.781 dB	1.50 dB	0.061 dB	
2.475 kHz	−2.57 dB	−1.841 dB	1.50 dB	0.061 dB	
2.520 kHz	−2.67 dB	−1.912 dB	1.50 dB	0.061 dB	
2.565 kHz	−2.77 dB	−1.987 dB	1.50 dB	0.061 dB	
2.610 kHz	−2.87 dB	−2.070 dB	1.50 dB	0.061 dB	
2.655 kHz	−2.97 dB	−2.155 dB	1.50 dB	0.061 dB	
2.700 kHz	−3.07 dB	−2.240 dB	1.50 dB	0.061 dB	
2.745 kHz	−3.18 dB	−2.320 dB	1.50 dB	0.061 dB	
2.790 kHz	−3.28 dB	−2.396 dB	1.50 dB	0.061 dB	
2.835 kHz	−3.38 dB	−2.464 dB	1.50 dB	0.061 dB	
2.880 kHz	−3.48 dB	−2.533 dB	1.50 dB	0.061 dB	
2.925 kHz	−3.58 dB	−2.608 dB	1.50 dB	0.061 dB	
2.970 kHz	−3.68 dB	−2.685 dB	1.50 dB	0.061 dB	
3.015 kHz	−3.78 dB	−2.771 dB	1.50 dB	0.061 dB	
3.060 kHz	−3.89 dB	−2.860 dB	1.50 dB	0.061 dB	
3.105 kHz	−3.99 dB	−2.948 dB	1.50 dB	0.061 dB	
3.150 kHz	−4.09 dB	−3.036 dB	1.50 dB	0.061 dB	
3.195 kHz	−4.19 dB	−3.126 dB	1.50 dB	0.061 dB	
3.240 kHz	−4.29 dB	−3.213 dB	1.50 dB	0.061 dB	
3.285 kHz	−4.39 dB	−3.312 dB	1.50 dB	0.061 dB	
3.330 kHz	−4.49 dB	−3.414 dB	1.50 dB	0.061 dB	
3.375 kHz	−4.59 dB	−3.518 dB	1.50 dB	0.061 dB	
3.420 kHz	−4.69 dB	−3.620 dB	1.50 dB	0.061 dB	
3.465 kHz	−4.80 dB	−3.722 dB	1.50 dB	0.061 dB	
3.510 kHz	−4.90 dB	−3.824 dB	1.50 dB	0.061 dB	
3.555 kHz	−5.00 dB	−3.926 dB	1.50 dB	0.061 dB	
3.600 kHz	−5.10 dB	−4.027 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
3.645 kHz	−5.20 dB	−4.120 dB	1.50 dB	0.061 dB	
3.690 kHz	−5.30 dB	−4.208 dB	1.50 dB	0.061 dB	
3.735 kHz	−5.40 dB	−4.293 dB	1.50 dB	0.061 dB	
3.780 kHz	−5.50 dB	−4.388 dB	1.50 dB	0.061 dB	
3.825 kHz	−5.61 dB	−4.493 dB	1.50 dB	0.061 dB	
3.870 kHz	−5.71 dB	−4.612 dB	1.50 dB	0.061 dB	
3.915 kHz	−5.81 dB	−4.730 dB	1.50 dB	0.061 dB	
3.960 kHz	−5.91 dB	−4.844 dB	1.50 dB	0.061 dB	
4.005 kHz		−4.956 dB	1.50 dB	0.061 dB	
4.050 kHz		−5.065 dB	1.50 dB	0.061 dB	
4.095 kHz		−5.182 dB	1.50 dB	0.061 dB	
4.140 kHz		−5.310 dB	1.50 dB	0.061 dB	
4.185 kHz		−5.443 dB	1.50 dB	0.061 dB	
4.230 kHz		−5.570 dB	1.50 dB	0.061 dB	
4.275 kHz		−5.695 dB	1.50 dB	0.061 dB	
4.320 kHz		−5.817 dB	1.50 dB	0.061 dB	
4.365 kHz		−5.942 dB	1.50 dB	0.061 dB	
4.410 kHz		−6.075 dB	1.50 dB	0.061 dB	
4.455 kHz		−6.207 dB	1.50 dB	0.061 dB	
4.500 kHz		−6.332 dB	1.50 dB	0.061 dB	
4.545 kHz		−6.455 dB	1.50 dB	0.061 dB	



RBW Selectivity CISPR Bands (cont.)

RBW Selectivity (per CISPR 16-1-1:2019, Sections 4.4), Span = 600.00 kHz, RBW = 120.00 kHz

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−66.600 kHz		−6.340 dB	1.50 dB	0.061 dB	
−66.000 kHz		−6.251 dB	1.50 dB	0.061 dB	
−65.400 kHz		−6.128 dB	1.50 dB	0.061 dB	
−64.800 kHz		−6.007 dB	1.50 dB	0.061 dB	
−64.200 kHz		−5.902 dB	1.50 dB	0.061 dB	
−63.600 kHz		−5.796 dB	1.50 dB	0.061 dB	
−63.000 kHz		−5.673 dB	1.50 dB	0.061 dB	
−62.400 kHz		−5.592 dB	1.50 dB	0.061 dB	
−61.800 kHz		−5.455 dB	1.50 dB	0.061 dB	
−61.200 kHz		−5.364 dB	1.50 dB	0.061 dB	
−60.600 kHz		−5.251 dB	1.50 dB	0.061 dB	
−60.000 kHz		−5.143 dB	1.50 dB	0.061 dB	
−59.400 kHz		−5.028 dB	1.50 dB	0.061 dB	
−58.800 kHz		−4.934 dB	1.50 dB	0.061 dB	
−58.200 kHz		−4.821 dB	1.50 dB	0.061 dB	
−57.600 kHz		−4.737 dB	1.50 dB	0.061 dB	
−57.000 kHz		−4.632 dB	1.50 dB	0.061 dB	
−56.400 kHz		−4.542 dB	1.50 dB	0.061 dB	
−55.800 kHz		−4.431 dB	1.50 dB	0.061 dB	
−55.200 kHz		−4.348 dB	1.50 dB	0.061 dB	
−54.600 kHz		−4.245 dB	1.50 dB	0.061 dB	
−54.000 kHz		−4.166 dB	1.50 dB	0.061 dB	
−53.400 kHz		−4.062 dB	1.50 dB	0.061 dB	
−52.800 kHz		−3.958 dB	1.50 dB	0.061 dB	
−52.200 kHz		−3.892 dB	1.50 dB	0.061 dB	
−51.600 kHz		−3.789 dB	1.50 dB	0.061 dB	
−51.000 kHz		−3.708 dB	1.50 dB	0.061 dB	
−50.400 kHz		−3.610 dB	1.50 dB	0.061 dB	
−49.800 kHz	−5.97 dB	−3.531 dB	1.50 dB	0.061 dB	
−49.200 kHz	−5.88 dB	−3.443 dB	1.50 dB	0.061 dB	
−48.600 kHz	−5.79 dB	−3.367 dB	1.50 dB	0.061 dB	
−48.000 kHz	−5.70 dB	−3.281 dB	1.50 dB	0.061 dB	
−47.400 kHz	−5.61 dB	−3.199 dB	1.50 dB	0.061 dB	
−46.800 kHz	−5.52 dB	−3.114 dB	1.50 dB	0.061 dB	
−46.200 kHz	−5.43 dB	−3.041 dB	1.50 dB	0.061 dB	
−45.600 kHz	−5.34 dB	−2.956 dB	1.50 dB	0.061 dB	
−45.000 kHz	−5.25 dB	−2.873 dB	1.50 dB	0.061 dB	
−44.400 kHz	−5.16 dB	−2.805 dB	1.50 dB	0.061 dB	
−43.800 kHz	−5.07 dB	−2.717 dB	1.50 dB	0.061 dB	
−43.200 kHz	−4.98 dB	−2.643 dB	1.50 dB	0.061 dB	
−42.600 kHz	−4.89 dB	−2.587 dB	1.50 dB	0.061 dB	
−42.000 kHz	−4.80 dB	−2.511 dB	1.50 dB	0.061 dB	
−41.400 kHz	−4.71 dB	−2.432 dB	1.50 dB	0.061 dB	
−40.800 kHz	−4.62 dB	−2.356 dB	1.50 dB	0.061 dB	
−40.200 kHz	−4.53 dB	−2.295 dB	1.50 dB	0.061 dB	
−39.600 kHz	−4.44 dB	−2.225 dB	1.50 dB	0.061 dB	
−39.000 kHz	−4.35 dB	−2.153 dB	1.50 dB	0.061 dB	
−38.400 kHz	−4.26 dB	−2.088 dB	1.50 dB	0.061 dB	
−37.800 kHz	−4.17 dB	−2.028 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−37.200 kHz	−4.08 dB	−1.961 dB	1.50 dB	0.061 dB	
−36.600 kHz	−3.99 dB	−1.905 dB	1.50 dB	0.061 dB	
−36.000 kHz	−3.90 dB	−1.835 dB	1.50 dB	0.061 dB	
−35.400 kHz	−3.81 dB	−1.768 dB	1.50 dB	0.061 dB	
−34.800 kHz	−3.72 dB	−1.714 dB	1.50 dB	0.061 dB	
−34.200 kHz	−3.63 dB	−1.656 dB	1.50 dB	0.061 dB	
−33.600 kHz	−3.54 dB	−1.599 dB	1.50 dB	0.061 dB	
−33.000 kHz	−3.45 dB	−1.547 dB	1.50 dB	0.061 dB	
−32.400 kHz	−3.36 dB	−1.487 dB	1.50 dB	0.061 dB	
−31.800 kHz	−3.27 dB	−1.431 dB	1.50 dB	0.061 dB	
−31.200 kHz	−3.18 dB	−1.381 dB	1.50 dB	0.061 dB	
−30.600 kHz	−3.09 dB	−1.329 dB	1.50 dB	0.061 dB	
−30.000 kHz	−3.00 dB	−1.275 dB	1.50 dB	0.061 dB	
−29.400 kHz	−2.91 dB	−1.219 dB	1.50 dB	0.061 dB	
−28.800 kHz	−2.82 dB	−1.176 dB	1.50 dB	0.061 dB	
−28.200 kHz	−2.73 dB	−1.129 dB	1.50 dB	0.061 dB	
−27.600 kHz	−2.64 dB	−1.082 dB	1.50 dB	0.061 dB	
−27.000 kHz	−2.55 dB	−1.030 dB	1.50 dB	0.061 dB	
−26.400 kHz	−2.46 dB	−0.984 dB	1.50 dB	0.061 dB	
−25.800 kHz	−2.37 dB	−0.943 dB	1.50 dB	0.061 dB	
−25.200 kHz	−2.28 dB	−0.900 dB	1.50 dB	0.061 dB	
−24.600 kHz	−2.19 dB	−0.856 dB	1.50 dB	0.061 dB	
−24.000 kHz	−2.10 dB	−0.826 dB	1.50 dB	0.061 dB	
−23.400 kHz	−2.01 dB	−0.776 dB	1.50 dB	0.061 dB	
−22.800 kHz	−1.92 dB	−0.737 dB	1.50 dB	0.061 dB	
−22.200 kHz	−1.83 dB	−0.699 dB	1.50 dB	0.061 dB	
−21.600 kHz	−1.74 dB	−0.661 dB	1.50 dB	0.061 dB	
−21.000 kHz	−1.65 dB	−0.629 dB	1.50 dB	0.061 dB	
−20.400 kHz	−1.56 dB	−0.585 dB	1.50 dB	0.061 dB	
−19.800 kHz	−1.48 dB	−0.548 dB	1.50 dB	0.061 dB	
−19.200 kHz	−1.44 dB	−0.520 dB	1.50 dB	0.061 dB	
−18.600 kHz	−1.39 dB	−0.494 dB	1.50 dB	0.061 dB	
−18.000 kHz	−1.35 dB	−0.460 dB	1.50 dB	0.061 dB	
−17.400 kHz	−1.31 dB	−0.435 dB	1.50 dB	0.061 dB	
−16.800 kHz	−1.26 dB	−0.400 dB	1.50 dB	0.061 dB	
−16.200 kHz	−1.21 dB	−0.372 dB	1.50 dB	0.061 dB	
−15.600 kHz	−1.17 dB	−0.348 dB	1.50 dB	0.061 dB	
−15.000 kHz	−1.13 dB	−0.314 dB	1.50 dB	0.061 dB	
−14.400 kHz	−1.08 dB	−0.294 dB	1.50 dB	0.061 dB	
−13.800 kHz	−1.04 dB	−0.271 dB	1.50 dB	0.061 dB	
−13.200 kHz	−0.99 dB	−0.247 dB	1.50 dB	0.061 dB	
−12.600 kHz	−0.95 dB	−0.225 dB	1.50 dB	0.061 dB	
−12.000 kHz	−0.90 dB	−0.212 dB	1.50 dB	0.061 dB	
−11.400 kHz	−0.85 dB	−0.186 dB	1.50 dB	0.061 dB	
−10.800 kHz	−0.81 dB	−0.165 dB	1.50 dB	0.061 dB	
−10.200 kHz	−0.76 dB	−0.150 dB	1.50 dB	0.061 dB	
−9.600 kHz	−0.72 dB	−0.132 dB	1.44 dB	0.061 dB	
−9.000 kHz	−0.67 dB	−0.115 dB	1.35 dB	0.061 dB	
−8.400 kHz	−0.63 dB	−0.097 dB	1.26 dB	0.061 dB	
−7.800 kHz	−0.59 dB	−0.088 dB	1.17 dB	0.061 dB	
−7.200 kHz	−0.54 dB	−0.072 dB	1.08 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

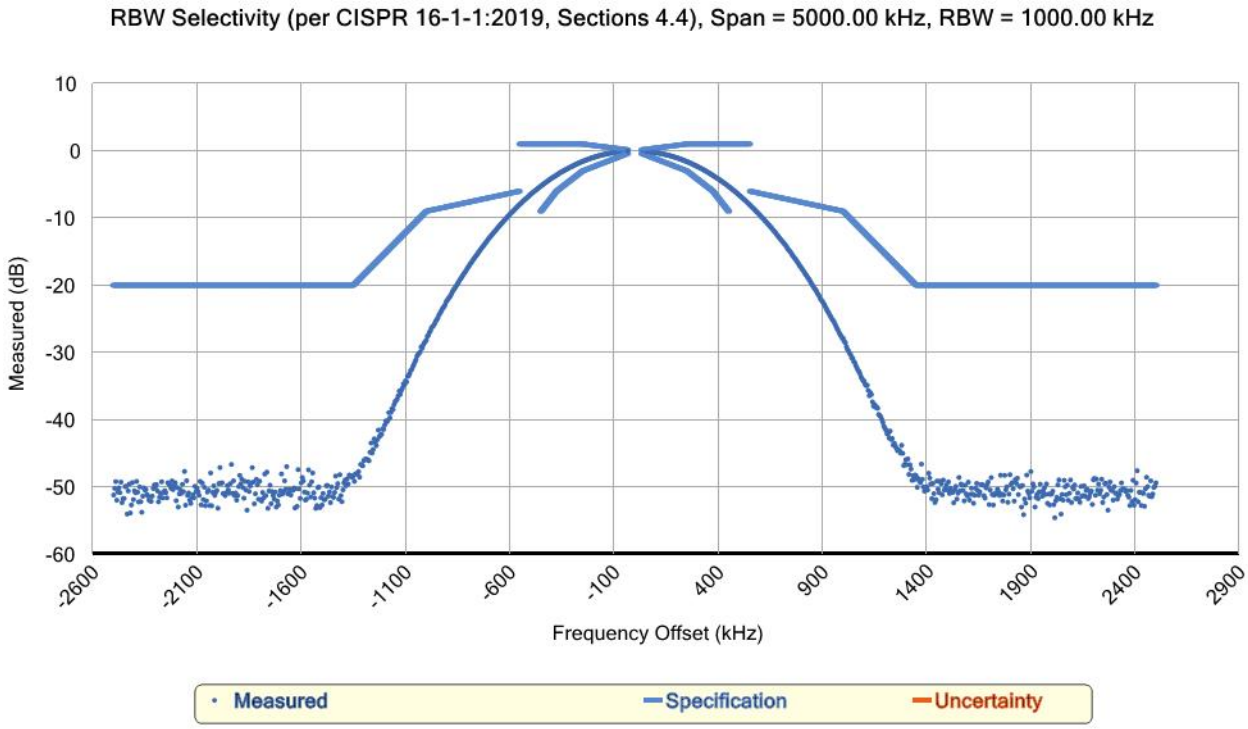
Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−6.600 kHz	−0.49 dB	−0.060 dB	0.99 dB	0.061 dB	
−6.000 kHz	−0.45 dB	−0.052 dB	0.90 dB	0.061 dB	
−5.400 kHz	−0.40 dB	−0.041 dB	0.81 dB	0.061 dB	
−4.800 kHz	−0.36 dB	−0.037 dB	0.72 dB	0.061 dB	
−4.200 kHz	−0.31 dB	−0.026 dB	0.63 dB	0.061 dB	
0.000 kHz		REF			
4.200 kHz	−0.31 dB	−0.020 dB	0.63 dB	0.061 dB	
4.800 kHz	−0.36 dB	−0.025 dB	0.72 dB	0.061 dB	
5.400 kHz	−0.40 dB	−0.035 dB	0.81 dB	0.061 dB	
6.000 kHz	−0.45 dB	−0.035 dB	0.90 dB	0.061 dB	
6.600 kHz	−0.49 dB	−0.052 dB	0.99 dB	0.061 dB	
7.200 kHz	−0.54 dB	−0.064 dB	1.08 dB	0.061 dB	
7.800 kHz	−0.59 dB	−0.072 dB	1.17 dB	0.061 dB	
8.400 kHz	−0.63 dB	−0.087 dB	1.26 dB	0.061 dB	
9.000 kHz	−0.67 dB	−0.103 dB	1.35 dB	0.061 dB	
9.600 kHz	−0.72 dB	−0.118 dB	1.44 dB	0.061 dB	
10.200 kHz	−0.76 dB	−0.129 dB	1.50 dB	0.061 dB	
10.800 kHz	−0.81 dB	−0.141 dB	1.50 dB	0.061 dB	
11.400 kHz	−0.85 dB	−0.165 dB	1.50 dB	0.061 dB	
12.000 kHz	−0.90 dB	−0.179 dB	1.50 dB	0.061 dB	
12.600 kHz	−0.95 dB	−0.200 dB	1.50 dB	0.061 dB	
13.200 kHz	−0.99 dB	−0.225 dB	1.50 dB	0.061 dB	
13.800 kHz	−1.04 dB	−0.240 dB	1.50 dB	0.061 dB	
14.400 kHz	−1.08 dB	−0.264 dB	1.50 dB	0.061 dB	
15.000 kHz	−1.13 dB	−0.289 dB	1.50 dB	0.061 dB	
15.600 kHz	−1.17 dB	−0.313 dB	1.50 dB	0.061 dB	
16.200 kHz	−1.21 dB	−0.341 dB	1.50 dB	0.061 dB	
16.800 kHz	−1.26 dB	−0.371 dB	1.50 dB	0.061 dB	
17.400 kHz	−1.31 dB	−0.394 dB	1.50 dB	0.061 dB	
18.000 kHz	−1.35 dB	−0.419 dB	1.50 dB	0.061 dB	
18.600 kHz	−1.39 dB	−0.459 dB	1.50 dB	0.061 dB	
19.200 kHz	−1.44 dB	−0.490 dB	1.50 dB	0.061 dB	
19.800 kHz	−1.48 dB	−0.515 dB	1.50 dB	0.061 dB	
20.400 kHz	−1.56 dB	−0.553 dB	1.50 dB	0.061 dB	
21.000 kHz	−1.65 dB	−0.590 dB	1.50 dB	0.061 dB	
21.600 kHz	−1.74 dB	−0.613 dB	1.50 dB	0.061 dB	
22.200 kHz	−1.83 dB	−0.652 dB	1.50 dB	0.061 dB	
22.800 kHz	−1.92 dB	−0.694 dB	1.50 dB	0.061 dB	
23.400 kHz	−2.01 dB	−0.734 dB	1.50 dB	0.061 dB	
24.000 kHz	−2.10 dB	−0.771 dB	1.50 dB	0.061 dB	
24.600 kHz	−2.19 dB	−0.807 dB	1.50 dB	0.061 dB	
25.200 kHz	−2.28 dB	−0.856 dB	1.50 dB	0.061 dB	
25.800 kHz	−2.37 dB	−0.896 dB	1.50 dB	0.061 dB	
26.400 kHz	−2.46 dB	−0.926 dB	1.50 dB	0.061 dB	
27.000 kHz	−2.55 dB	−0.984 dB	1.50 dB	0.061 dB	
27.600 kHz	−2.64 dB	−1.024 dB	1.50 dB	0.061 dB	
28.200 kHz	−2.73 dB	−1.070 dB	1.50 dB	0.061 dB	
28.800 kHz	−2.82 dB	−1.117 dB	1.50 dB	0.061 dB	
29.400 kHz	−2.91 dB	−1.164 dB	1.50 dB	0.061 dB	
30.000 kHz	−3.00 dB	−1.223 dB	1.50 dB	0.061 dB	
30.600 kHz	−3.09 dB	−1.267 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
31.200 kHz	−3.18 dB	−1.319 dB	1.50 dB	0.061 dB	
31.800 kHz	−3.27 dB	−1.376 dB	1.50 dB	0.061 dB	
32.400 kHz	−3.36 dB	−1.424 dB	1.50 dB	0.061 dB	
33.000 kHz	−3.45 dB	−1.481 dB	1.50 dB	0.061 dB	
33.600 kHz	−3.54 dB	−1.536 dB	1.50 dB	0.061 dB	
34.200 kHz	−3.63 dB	−1.599 dB	1.50 dB	0.061 dB	
34.800 kHz	−3.72 dB	−1.643 dB	1.50 dB	0.061 dB	
35.400 kHz	−3.81 dB	−1.711 dB	1.50 dB	0.061 dB	
36.000 kHz	−3.90 dB	−1.770 dB	1.50 dB	0.061 dB	
36.600 kHz	−3.99 dB	−1.830 dB	1.50 dB	0.061 dB	
37.200 kHz	−4.08 dB	−1.886 dB	1.50 dB	0.061 dB	
37.800 kHz	−4.17 dB	−1.949 dB	1.50 dB	0.061 dB	
38.400 kHz	−4.26 dB	−2.017 dB	1.50 dB	0.061 dB	
39.000 kHz	−4.35 dB	−2.089 dB	1.50 dB	0.061 dB	
39.600 kHz	−4.44 dB	−2.162 dB	1.50 dB	0.061 dB	
40.200 kHz	−4.53 dB	−2.225 dB	1.50 dB	0.061 dB	
40.800 kHz	−4.62 dB	−2.284 dB	1.50 dB	0.061 dB	
41.400 kHz	−4.71 dB	−2.349 dB	1.50 dB	0.061 dB	
42.000 kHz	−4.80 dB	−2.427 dB	1.50 dB	0.061 dB	
42.600 kHz	−4.89 dB	−2.493 dB	1.50 dB	0.061 dB	
43.200 kHz	−4.98 dB	−2.568 dB	1.50 dB	0.061 dB	
43.800 kHz	−5.07 dB	−2.643 dB	1.50 dB	0.061 dB	
44.400 kHz	−5.16 dB	−2.717 dB	1.50 dB	0.061 dB	
45.000 kHz	−5.25 dB	−2.793 dB	1.50 dB	0.061 dB	
45.600 kHz	−5.34 dB	−2.879 dB	1.50 dB	0.061 dB	
46.200 kHz	−5.43 dB	−2.951 dB	1.50 dB	0.061 dB	
46.800 kHz	−5.52 dB	−3.013 dB	1.50 dB	0.061 dB	
47.400 kHz	−5.61 dB	−3.111 dB	1.50 dB	0.061 dB	
48.000 kHz	−5.70 dB	−3.192 dB	1.50 dB	0.061 dB	
48.600 kHz	−5.79 dB	−3.265 dB	1.50 dB	0.061 dB	
49.200 kHz	−5.88 dB	−3.345 dB	1.50 dB	0.061 dB	
49.800 kHz	−5.97 dB	−3.441 dB	1.50 dB	0.061 dB	
50.400 kHz		−3.521 dB	1.50 dB	0.061 dB	
51.000 kHz		−3.603 dB	1.50 dB	0.061 dB	
51.600 kHz		−3.689 dB	1.50 dB	0.061 dB	
52.200 kHz		−3.786 dB	1.50 dB	0.061 dB	
52.800 kHz		−3.880 dB	1.50 dB	0.061 dB	
53.400 kHz		−3.974 dB	1.50 dB	0.061 dB	
54.000 kHz		−4.064 dB	1.50 dB	0.061 dB	
54.600 kHz		−4.162 dB	1.50 dB	0.061 dB	
55.200 kHz		−4.247 dB	1.50 dB	0.061 dB	
55.800 kHz		−4.358 dB	1.50 dB	0.061 dB	
56.400 kHz		−4.450 dB	1.50 dB	0.061 dB	
57.000 kHz		−4.536 dB	1.50 dB	0.061 dB	
57.600 kHz		−4.650 dB	1.50 dB	0.061 dB	
58.200 kHz		−4.756 dB	1.50 dB	0.061 dB	
58.800 kHz		−4.850 dB	1.50 dB	0.061 dB	
59.400 kHz		−4.948 dB	1.50 dB	0.061 dB	
60.000 kHz		−5.059 dB	1.50 dB	0.061 dB	
60.600 kHz		−5.144 dB	1.50 dB	0.061 dB	
61.200 kHz		−5.266 dB	1.50 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
61.800 kHz		−5.374 dB	1.50 dB	0.061 dB	
62.400 kHz		−5.465 dB	1.50 dB	0.061 dB	
63.000 kHz		−5.585 dB	1.50 dB	0.061 dB	
63.600 kHz		−5.698 dB	1.50 dB	0.061 dB	
64.200 kHz		−5.814 dB	1.50 dB	0.061 dB	
64.800 kHz		−5.897 dB	1.50 dB	0.061 dB	
65.400 kHz		−6.022 dB	1.50 dB	0.061 dB	
66.000 kHz		−6.121 dB	1.50 dB	0.061 dB	
66.600 kHz		−6.261 dB	1.50 dB	0.061 dB	
67.200 kHz		−6.366 dB	1.50 dB	0.061 dB	



RBW Selectivity (per CISPR 16-1-1:2019, Sections 4.4), Span = 5000.00 kHz, RBW = 1000.00 kHz

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−500.000 kHz		−6.476 dB	1.00 dB	0.061 dB	
−495.000 kHz		−6.346 dB	1.00 dB	0.061 dB	
−490.000 kHz		−6.232 dB	1.00 dB	0.061 dB	
−485.000 kHz		−6.093 dB	1.00 dB	0.061 dB	
−480.000 kHz		−5.975 dB	1.00 dB	0.061 dB	
−475.000 kHz		−5.847 dB	1.00 dB	0.061 dB	
−470.000 kHz		−5.746 dB	1.00 dB	0.061 dB	
−465.000 kHz		−5.600 dB	1.00 dB	0.061 dB	
−460.000 kHz		−5.488 dB	1.00 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−455.000 kHz		−5.364 dB	1.00 dB	0.061 dB	
−450.000 kHz	−9.00 dB	−5.232 dB	1.00 dB	0.061 dB	
−445.000 kHz	−8.80 dB	−5.115 dB	1.00 dB	0.061 dB	
−440.000 kHz	−8.60 dB	−5.003 dB	1.00 dB	0.061 dB	
−435.000 kHz	−8.40 dB	−4.891 dB	1.00 dB	0.061 dB	
−430.000 kHz	−8.20 dB	−4.774 dB	1.00 dB	0.061 dB	
−425.000 kHz	−8.00 dB	−4.658 dB	1.00 dB	0.061 dB	
−420.000 kHz	−7.80 dB	−4.555 dB	1.00 dB	0.061 dB	
−415.000 kHz	−7.60 dB	−4.432 dB	1.00 dB	0.061 dB	
−410.000 kHz	−7.40 dB	−4.311 dB	1.00 dB	0.061 dB	
−405.000 kHz	−7.20 dB	−4.209 dB	1.00 dB	0.061 dB	
−400.000 kHz	−7.00 dB	−4.109 dB	1.00 dB	0.061 dB	
−395.000 kHz	−6.80 dB	−4.001 dB	1.00 dB	0.061 dB	
−390.000 kHz	−6.60 dB	−3.904 dB	1.00 dB	0.061 dB	
−385.000 kHz	−6.40 dB	−3.815 dB	1.00 dB	0.061 dB	
−380.000 kHz	−6.20 dB	−3.710 dB	1.00 dB	0.061 dB	
−375.000 kHz	−6.00 dB	−3.607 dB	1.00 dB	0.061 dB	
−370.000 kHz	−5.88 dB	−3.506 dB	1.00 dB	0.061 dB	
−365.000 kHz	−5.76 dB	−3.401 dB	1.00 dB	0.061 dB	
−360.000 kHz	−5.64 dB	−3.294 dB	1.00 dB	0.061 dB	
−355.000 kHz	−5.52 dB	−3.183 dB	1.00 dB	0.061 dB	
−350.000 kHz	−5.40 dB	−3.128 dB	1.00 dB	0.061 dB	
−345.000 kHz	−5.28 dB	−3.047 dB	1.00 dB	0.061 dB	
−340.000 kHz	−5.16 dB	−2.933 dB	1.00 dB	0.061 dB	
−335.000 kHz	−5.04 dB	−2.860 dB	1.00 dB	0.061 dB	
−330.000 kHz	−4.92 dB	−2.780 dB	1.00 dB	0.061 dB	
−325.000 kHz	−4.80 dB	−2.698 dB	1.00 dB	0.061 dB	
−320.000 kHz	−4.68 dB	−2.607 dB	1.00 dB	0.061 dB	
−315.000 kHz	−4.56 dB	−2.518 dB	1.00 dB	0.061 dB	
−310.000 kHz	−4.44 dB	−2.446 dB	1.00 dB	0.061 dB	
−305.000 kHz	−4.32 dB	−2.374 dB	1.00 dB	0.061 dB	
−300.000 kHz	−4.20 dB	−2.301 dB	1.00 dB	0.061 dB	
−295.000 kHz	−4.08 dB	−2.221 dB	1.00 dB	0.061 dB	
−290.000 kHz	−3.96 dB	−2.130 dB	1.00 dB	0.061 dB	
−285.000 kHz	−3.84 dB	−2.063 dB	1.00 dB	0.061 dB	
−280.000 kHz	−3.72 dB	−1.980 dB	1.00 dB	0.061 dB	
−275.000 kHz	−3.60 dB	−1.907 dB	1.00 dB	0.061 dB	
−270.000 kHz	−3.48 dB	−1.851 dB	1.00 dB	0.061 dB	
−265.000 kHz	−3.36 dB	−1.751 dB	1.00 dB	0.061 dB	
−260.000 kHz	−3.24 dB	−1.699 dB	1.00 dB	0.061 dB	
−255.000 kHz	−3.12 dB	−1.647 dB	1.00 dB	0.061 dB	
−250.000 kHz	−3.00 dB	−1.581 dB	1.00 dB	0.061 dB	
−245.000 kHz	−2.94 dB	−1.504 dB	0.98 dB	0.061 dB	
−240.000 kHz	−2.88 dB	−1.453 dB	0.96 dB	0.061 dB	
−235.000 kHz	−2.82 dB	−1.398 dB	0.94 dB	0.061 dB	
−230.000 kHz	−2.76 dB	−1.322 dB	0.92 dB	0.061 dB	
−225.000 kHz	−2.70 dB	−1.275 dB	0.90 dB	0.061 dB	
−220.000 kHz	−2.64 dB	−1.223 dB	0.88 dB	0.061 dB	
−215.000 kHz	−2.58 dB	−1.154 dB	0.86 dB	0.061 dB	
−210.000 kHz	−2.52 dB	−1.106 dB	0.84 dB	0.061 dB	
−205.000 kHz	−2.46 dB	−1.035 dB	0.82 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
−200.000 kHz	−2.40 dB	−0.999 dB	0.80 dB	0.061 dB	
−195.000 kHz	−2.34 dB	−0.946 dB	0.78 dB	0.061 dB	
−190.000 kHz	−2.28 dB	−0.902 dB	0.76 dB	0.061 dB	
−185.000 kHz	−2.22 dB	−0.863 dB	0.74 dB	0.061 dB	
−180.000 kHz	−2.16 dB	−0.808 dB	0.72 dB	0.061 dB	
−175.000 kHz	−2.10 dB	−0.760 dB	0.70 dB	0.061 dB	
−170.000 kHz	−2.04 dB	−0.728 dB	0.68 dB	0.061 dB	
−165.000 kHz	−1.98 dB	−0.670 dB	0.66 dB	0.061 dB	
−160.000 kHz	−1.92 dB	−0.640 dB	0.64 dB	0.061 dB	
−155.000 kHz	−1.86 dB	−0.594 dB	0.62 dB	0.061 dB	
−150.000 kHz	−1.80 dB	−0.564 dB	0.60 dB	0.061 dB	
−145.000 kHz	−1.74 dB	−0.511 dB	0.58 dB	0.061 dB	
−140.000 kHz	−1.68 dB	−0.493 dB	0.56 dB	0.061 dB	
−135.000 kHz	−1.62 dB	−0.453 dB	0.54 dB	0.061 dB	
−130.000 kHz	−1.56 dB	−0.420 dB	0.52 dB	0.061 dB	
−125.000 kHz	−1.50 dB	−0.387 dB	0.50 dB	0.061 dB	
−120.000 kHz	−1.44 dB	−0.364 dB	0.48 dB	0.061 dB	
−115.000 kHz	−1.38 dB	−0.329 dB	0.46 dB	0.061 dB	
−110.000 kHz	−1.32 dB	−0.311 dB	0.44 dB	0.061 dB	
−105.000 kHz	−1.26 dB	−0.261 dB	0.42 dB	0.061 dB	
−100.000 kHz	−1.20 dB	−0.243 dB	0.40 dB	0.061 dB	
−95.000 kHz	−1.14 dB	−0.223 dB	0.38 dB	0.061 dB	
−90.000 kHz	−1.08 dB	−0.202 dB	0.36 dB	0.061 dB	
−85.000 kHz	−1.02 dB	−0.173 dB	0.34 dB	0.061 dB	
−80.000 kHz	−0.96 dB	−0.156 dB	0.32 dB	0.061 dB	
−75.000 kHz	−0.90 dB	−0.129 dB	0.30 dB	0.061 dB	
−70.000 kHz	−0.84 dB	−0.118 dB	0.28 dB	0.061 dB	
−65.000 kHz	−0.78 dB	−0.103 dB	0.26 dB	0.061 dB	
−60.000 kHz	−0.72 dB	−0.084 dB	0.24 dB	0.061 dB	
−55.000 kHz	−0.66 dB	−0.064 dB	0.22 dB	0.061 dB	
−50.000 kHz	−0.60 dB	−0.065 dB	0.20 dB	0.061 dB	
−45.000 kHz	−0.54 dB	−0.043 dB	0.18 dB	0.061 dB	
−40.000 kHz	−0.48 dB	−0.049 dB	0.16 dB	0.061 dB	
−35.000 kHz	−0.42 dB	−0.029 dB	0.14 dB	0.061 dB	
0.000 kHz		REF			
35.000 kHz	−0.42 dB	−0.038 dB	0.14 dB	0.061 dB	
40.000 kHz	−0.48 dB	−0.035 dB	0.16 dB	0.061 dB	
45.000 kHz	−0.54 dB	−0.046 dB	0.18 dB	0.061 dB	
50.000 kHz	−0.60 dB	−0.061 dB	0.20 dB	0.061 dB	
55.000 kHz	−0.66 dB	−0.079 dB	0.22 dB	0.061 dB	
60.000 kHz	−0.72 dB	−0.105 dB	0.24 dB	0.061 dB	
65.000 kHz	−0.78 dB	−0.111 dB	0.26 dB	0.061 dB	
70.000 kHz	−0.84 dB	−0.129 dB	0.28 dB	0.061 dB	
75.000 kHz	−0.90 dB	−0.152 dB	0.30 dB	0.061 dB	
80.000 kHz	−0.96 dB	−0.164 dB	0.32 dB	0.061 dB	
85.000 kHz	−1.02 dB	−0.193 dB	0.34 dB	0.061 dB	
90.000 kHz	−1.08 dB	−0.226 dB	0.36 dB	0.061 dB	
95.000 kHz	−1.14 dB	−0.235 dB	0.38 dB	0.061 dB	
100.000 kHz	−1.20 dB	−0.258 dB	0.40 dB	0.061 dB	
105.000 kHz	−1.26 dB	−0.293 dB	0.42 dB	0.061 dB	
110.000 kHz	−1.32 dB	−0.305 dB	0.44 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
115.000 kHz	−1.38 dB	−0.332 dB	0.46 dB	0.061 dB	
120.000 kHz	−1.44 dB	−0.379 dB	0.48 dB	0.061 dB	
125.000 kHz	−1.50 dB	−0.408 dB	0.50 dB	0.061 dB	
130.000 kHz	−1.56 dB	−0.443 dB	0.52 dB	0.061 dB	
135.000 kHz	−1.62 dB	−0.473 dB	0.54 dB	0.061 dB	
140.000 kHz	−1.68 dB	−0.512 dB	0.56 dB	0.061 dB	
145.000 kHz	−1.74 dB	−0.540 dB	0.58 dB	0.061 dB	
150.000 kHz	−1.80 dB	−0.593 dB	0.60 dB	0.061 dB	
155.000 kHz	−1.86 dB	−0.623 dB	0.62 dB	0.061 dB	
160.000 kHz	−1.92 dB	−0.661 dB	0.64 dB	0.061 dB	
165.000 kHz	−1.98 dB	−0.701 dB	0.66 dB	0.061 dB	
170.000 kHz	−2.04 dB	−0.753 dB	0.68 dB	0.061 dB	
175.000 kHz	−2.10 dB	−0.790 dB	0.70 dB	0.061 dB	
180.000 kHz	−2.16 dB	−0.844 dB	0.72 dB	0.061 dB	
185.000 kHz	−2.22 dB	−0.887 dB	0.74 dB	0.061 dB	
190.000 kHz	−2.28 dB	−0.930 dB	0.76 dB	0.061 dB	
195.000 kHz	−2.34 dB	−0.987 dB	0.78 dB	0.061 dB	
200.000 kHz	−2.40 dB	−1.028 dB	0.80 dB	0.061 dB	
205.000 kHz	−2.46 dB	−1.077 dB	0.82 dB	0.061 dB	
210.000 kHz	−2.52 dB	−1.123 dB	0.84 dB	0.061 dB	
215.000 kHz	−2.58 dB	−1.197 dB	0.86 dB	0.061 dB	
220.000 kHz	−2.64 dB	−1.252 dB	0.88 dB	0.061 dB	
225.000 kHz	−2.70 dB	−1.308 dB	0.90 dB	0.061 dB	
230.000 kHz	−2.76 dB	−1.364 dB	0.92 dB	0.061 dB	
235.000 kHz	−2.82 dB	−1.425 dB	0.94 dB	0.061 dB	
240.000 kHz	−2.88 dB	−1.493 dB	0.96 dB	0.061 dB	
245.000 kHz	−2.94 dB	−1.561 dB	0.98 dB	0.061 dB	
250.000 kHz	−3.00 dB	−1.611 dB	1.00 dB	0.061 dB	
255.000 kHz	−3.12 dB	−1.675 dB	1.00 dB	0.061 dB	
260.000 kHz	−3.24 dB	−1.757 dB	1.00 dB	0.061 dB	
265.000 kHz	−3.36 dB	−1.810 dB	1.00 dB	0.061 dB	
270.000 kHz	−3.48 dB	−1.866 dB	1.00 dB	0.061 dB	
275.000 kHz	−3.60 dB	−1.963 dB	1.00 dB	0.061 dB	
280.000 kHz	−3.72 dB	−2.046 dB	1.00 dB	0.061 dB	
285.000 kHz	−3.84 dB	−2.105 dB	1.00 dB	0.061 dB	
290.000 kHz	−3.96 dB	−2.176 dB	1.00 dB	0.061 dB	
295.000 kHz	−4.08 dB	−2.246 dB	1.00 dB	0.061 dB	
300.000 kHz	−4.20 dB	−2.337 dB	1.00 dB	0.061 dB	
305.000 kHz	−4.32 dB	−2.404 dB	1.00 dB	0.061 dB	
310.000 kHz	−4.44 dB	−2.502 dB	1.00 dB	0.061 dB	
315.000 kHz	−4.56 dB	−2.576 dB	1.00 dB	0.061 dB	
320.000 kHz	−4.68 dB	−2.648 dB	1.00 dB	0.061 dB	
325.000 kHz	−4.80 dB	−2.748 dB	1.00 dB	0.061 dB	
330.000 kHz	−4.92 dB	−2.813 dB	1.00 dB	0.061 dB	
335.000 kHz	−5.04 dB	−2.933 dB	1.00 dB	0.061 dB	
340.000 kHz	−5.16 dB	−2.990 dB	1.00 dB	0.061 dB	
345.000 kHz	−5.28 dB	−3.096 dB	1.00 dB	0.061 dB	
350.000 kHz	−5.40 dB	−3.187 dB	1.00 dB	0.061 dB	
355.000 kHz	−5.52 dB	−3.275 dB	1.00 dB	0.061 dB	
360.000 kHz	−5.64 dB	−3.377 dB	1.00 dB	0.061 dB	
365.000 kHz	−5.76 dB	−3.471 dB	1.00 dB	0.061 dB	

RBW Selectivity CISPR Bands (cont.)

Frequency Offset	Minimum	Measured	Maximum	Uncert.	Status
370.000 kHz	−5.88 dB	−3.577 dB	1.00 dB	0.061 dB	
375.000 kHz	−6.00 dB	−3.674 dB	1.00 dB	0.061 dB	
380.000 kHz	−6.20 dB	−3.754 dB	1.00 dB	0.061 dB	
385.000 kHz	−6.40 dB	−3.866 dB	1.00 dB	0.061 dB	
390.000 kHz	−6.60 dB	−3.972 dB	1.00 dB	0.061 dB	
395.000 kHz	−6.80 dB	−4.081 dB	1.00 dB	0.061 dB	
400.000 kHz	−7.00 dB	−4.162 dB	1.00 dB	0.061 dB	
405.000 kHz	−7.20 dB	−4.286 dB	1.00 dB	0.061 dB	
410.000 kHz	−7.40 dB	−4.375 dB	1.00 dB	0.061 dB	
415.000 kHz	−7.60 dB	−4.507 dB	1.00 dB	0.061 dB	
420.000 kHz	−7.80 dB	−4.592 dB	1.00 dB	0.061 dB	
425.000 kHz	−8.00 dB	−4.718 dB	1.00 dB	0.061 dB	
430.000 kHz	−8.20 dB	−4.837 dB	1.00 dB	0.061 dB	
435.000 kHz	−8.40 dB	−4.930 dB	1.00 dB	0.061 dB	
440.000 kHz	−8.60 dB	−5.039 dB	1.00 dB	0.061 dB	
445.000 kHz	−8.80 dB	−5.197 dB	1.00 dB	0.061 dB	
450.000 kHz	−9.00 dB	−5.316 dB	1.00 dB	0.061 dB	
455.000 kHz		−5.424 dB	1.00 dB	0.061 dB	
460.000 kHz		−5.529 dB	1.00 dB	0.061 dB	
465.000 kHz		−5.691 dB	1.00 dB	0.061 dB	
470.000 kHz		−5.806 dB	1.00 dB	0.061 dB	
475.000 kHz		−5.915 dB	1.00 dB	0.061 dB	
480.000 kHz		−6.024 dB	1.00 dB	0.061 dB	
485.000 kHz		−6.192 dB	1.00 dB	0.061 dB	
490.000 kHz		−6.308 dB	1.00 dB	0.061 dB	
495.000 kHz		−6.422 dB	1.00 dB	0.061 dB	

Phase Noise

Passed

CW Frequency = 1.00 GHz

Phase Noise Offset	Measured	Maximum	Uncert.	Status
0.10 kHz	−85.75 dBc/Hz	−84 dBc/Hz	0.63 dB	
10.00 kHz	−104.43 dBc/Hz	−103 dBc/Hz	0.46 dB	
100.00 kHz	−116.94 dBc/Hz	−115 dBc/Hz	0.69 dB	
1000.00 kHz	−136.99 dBc/Hz	−135 dBc/Hz	0.69 dB	

The reported value for phase noise represents both the phase noise of the EMI Receiver plus the phase noise of the signal source used for this measurement. For reported values near the specification limit, the phase noise contribution from the signal source is negligible. However, for reported values significantly better than the specification limit, the contribution from the signal source may be significant. For these cases, it can be assumed the EMI Receiver phase noise is better than the reported value.

The reported uncertainties assume measured values near the specification limit.

Absolute Amplitude Accuracy at 50 MHz — Passed

RF Input 1, Preamp Off, RF Preselector Off

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−11.00 dBm	820.000 kHz	4990.00 kHz	−11.167 dBm	−0.33 dB	0.012 dB	0.33 dB	0.10 dB	
−13.00 dBm	360.000 kHz	4990.00 kHz	−13.238 dBm	−0.33 dB	−0.071 dB	0.33 dB	0.10 dB	
−21.00 dBm	47.000 kHz	4982.00 kHz	−21.256 dBm	−0.33 dB	−0.025 dB	0.33 dB	0.10 dB	
−26.00 dBm	30.000 kHz	3180.00 kHz	−26.253 dBm	−0.33 dB	−0.035 dB	0.33 dB	0.10 dB	
−36.00 dBm	4.700 kHz	498.20 kHz	−36.327 dBm	−0.33 dB	−0.058 dB	0.33 dB	0.10 dB	
−50.00 dBm	2.000 kHz	212.00 kHz	−50.196 dBm	−0.33 dB	−0.029 dB	0.33 dB	0.10 dB	

RF Input 1, Preamp On, RF Preselector Off

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−41.00 dBm	47.000 kHz	4982.00 kHz	−41.303 dBm	−0.33 dB	−0.001 dB	0.33 dB	0.10 dB	
−61.00 dBm	7.500 kHz	795.00 kHz	−61.256 dBm	−0.33 dB	−0.035 dB	0.33 dB	0.10 dB	
−70.00 dBm	1.000 kHz	1.06 kHz	−70.226 dBm	−0.33 dB	0.013 dB	0.33 dB	0.10 dB	

RF Input 1, Preamp Off, RF Preselector On

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−11.00 dBm	820.000 kHz	4990.00 kHz	−11.162 dBm	−0.33 dB	0.017 dB	0.33 dB	0.10 dB	
−13.00 dBm	360.000 kHz	4990.00 kHz	−13.228 dBm	−0.33 dB	−0.061 dB	0.33 dB	0.10 dB	
−21.00 dBm	47.000 kHz	4982.00 kHz	−21.244 dBm	−0.33 dB	−0.013 dB	0.33 dB	0.10 dB	
−26.00 dBm	30.000 kHz	3180.00 kHz	−26.241 dBm	−0.33 dB	−0.023 dB	0.33 dB	0.10 dB	
−36.00 dBm	4.700 kHz	498.20 kHz	−36.314 dBm	−0.33 dB	−0.045 dB	0.33 dB	0.10 dB	
−50.00 dBm	2.000 kHz	212.00 kHz	−50.188 dBm	−0.33 dB	−0.021 dB	0.33 dB	0.10 dB	

RF Input 1, Preamp On, RF Preselector On

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−41.00 dBm	47.000 kHz	4982.00 kHz	−41.391 dBm	−0.33 dB	−0.089 dB	0.33 dB	0.10 dB	
−61.00 dBm	7.500 kHz	795.00 kHz	−61.343 dBm	−0.33 dB	−0.122 dB	0.33 dB	0.10 dB	
−70.00 dBm	1.000 kHz	1.06 kHz	−70.316 dBm	−0.33 dB	−0.077 dB	0.33 dB	0.10 dB	

RF Input 2, Preamp Off, RF Preselector Off

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−11.00 dBm	820.000 kHz	4990.00 kHz	−11.145 dBm	−0.36 dB	0.034 dB	0.36 dB	0.10 dB	
−13.00 dBm	360.000 kHz	4990.00 kHz	−13.217 dBm	−0.36 dB	−0.050 dB	0.36 dB	0.10 dB	
−21.00 dBm	47.000 kHz	4982.00 kHz	−21.241 dBm	−0.36 dB	−0.010 dB	0.36 dB	0.10 dB	
−26.00 dBm	30.000 kHz	3180.00 kHz	−26.229 dBm	−0.36 dB	−0.011 dB	0.36 dB	0.10 dB	
−36.00 dBm	4.700 kHz	498.20 kHz	−36.296 dBm	−0.36 dB	−0.027 dB	0.36 dB	0.10 dB	
−50.00 dBm	2.000 kHz	212.00 kHz	−50.192 dBm	−0.36 dB	−0.025 dB	0.36 dB	0.10 dB	

Absolute Amplitude Accuracy at 50 MHz (cont.)

RF Input 2, Preamp On, RF Preselector Off

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−41.00 dBm	47.000 kHz	4982.00 kHz	−41.292 dBm	−0.36 dB	0.010 dB	0.36 dB	0.10 dB	
−61.00 dBm	7.500 kHz	795.00 kHz	−61.269 dBm	−0.36 dB	−0.048 dB	0.36 dB	0.12 dB	

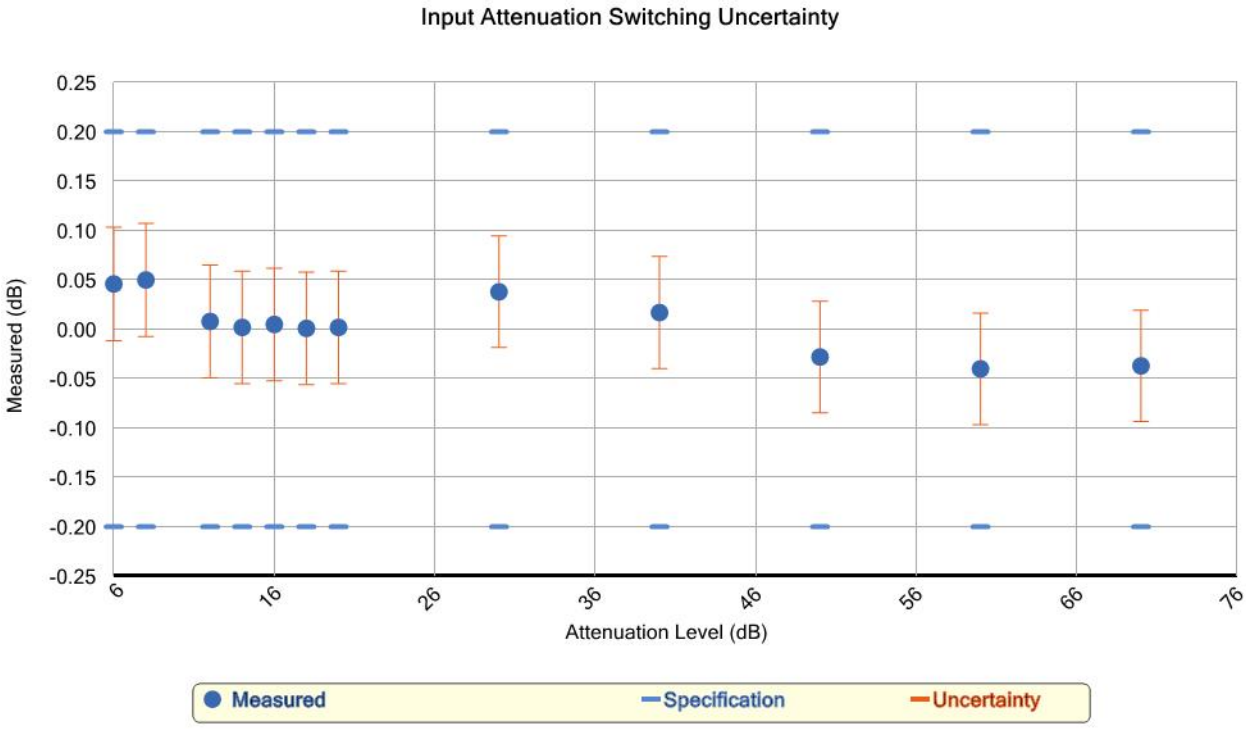
RF Input 2, Preamp Off, RF Preselector On

Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−11.00 dBm	820.000 kHz	4990.00 kHz	−11.156 dBm	−0.36 dB	0.023 dB	0.36 dB	0.10 dB	
−13.00 dBm	360.000 kHz	4990.00 kHz	−13.227 dBm	−0.36 dB	−0.060 dB	0.36 dB	0.10 dB	
−21.00 dBm	47.000 kHz	4982.00 kHz	−21.246 dBm	−0.36 dB	−0.015 dB	0.36 dB	0.10 dB	
−26.00 dBm	30.000 kHz	3180.00 kHz	−26.228 dBm	−0.36 dB	−0.010 dB	0.36 dB	0.10 dB	
−36.00 dBm	4.700 kHz	498.20 kHz	−36.304 dBm	−0.36 dB	−0.035 dB	0.36 dB	0.10 dB	
−50.00 dBm	2.000 kHz	212.00 kHz	−50.181 dBm	−0.36 dB	−0.014 dB	0.36 dB	0.10 dB	

RF Input 2, Preamp On, RF Preselector On

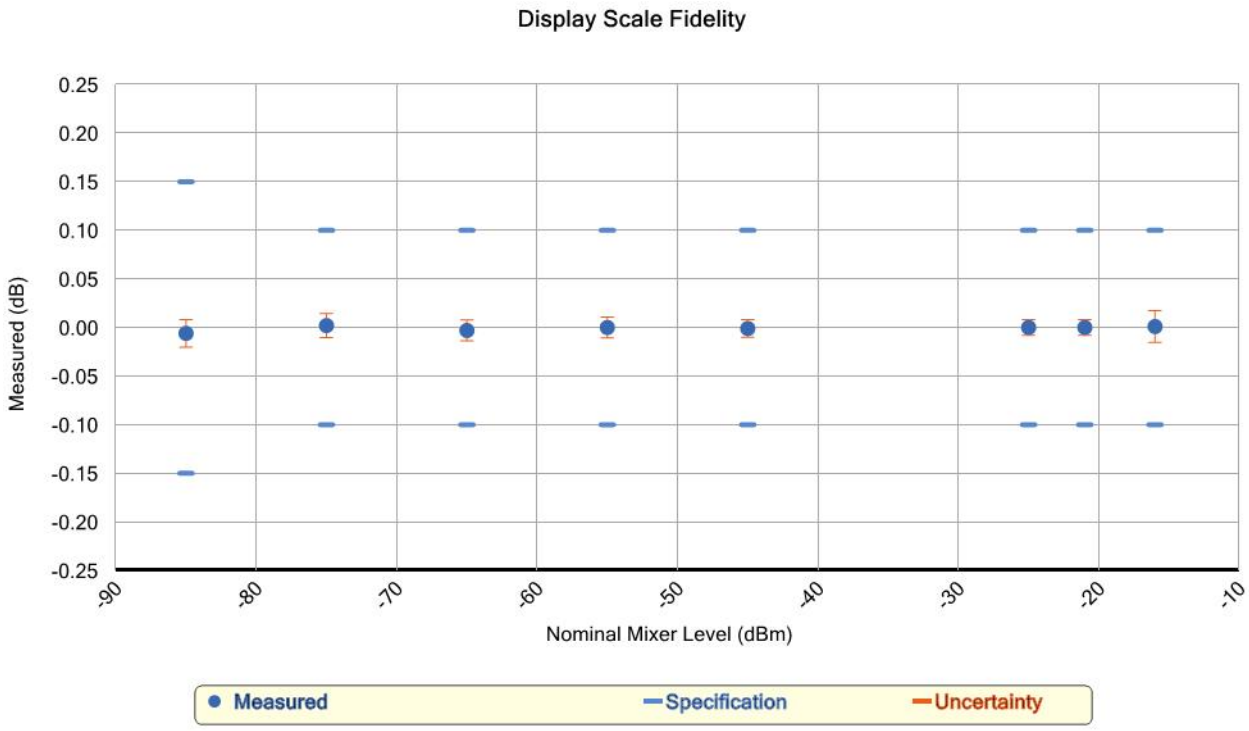
Nominal Input Level	Resolution Bandwidth	Span	Measured Amplitude	Minimum	Measured	Maximum	Uncert.	Sts
−41.00 dBm	47.000 kHz	4982.00 kHz	−41.403 dBm	−0.36 dB	−0.101 dB	0.36 dB	0.10 dB	
−61.00 dBm	7.500 kHz	795.00 kHz	−61.406 dBm	−0.36 dB	−0.185 dB	0.36 dB	0.12 dB	

Input Attenuation Switching Uncertainty — Passed



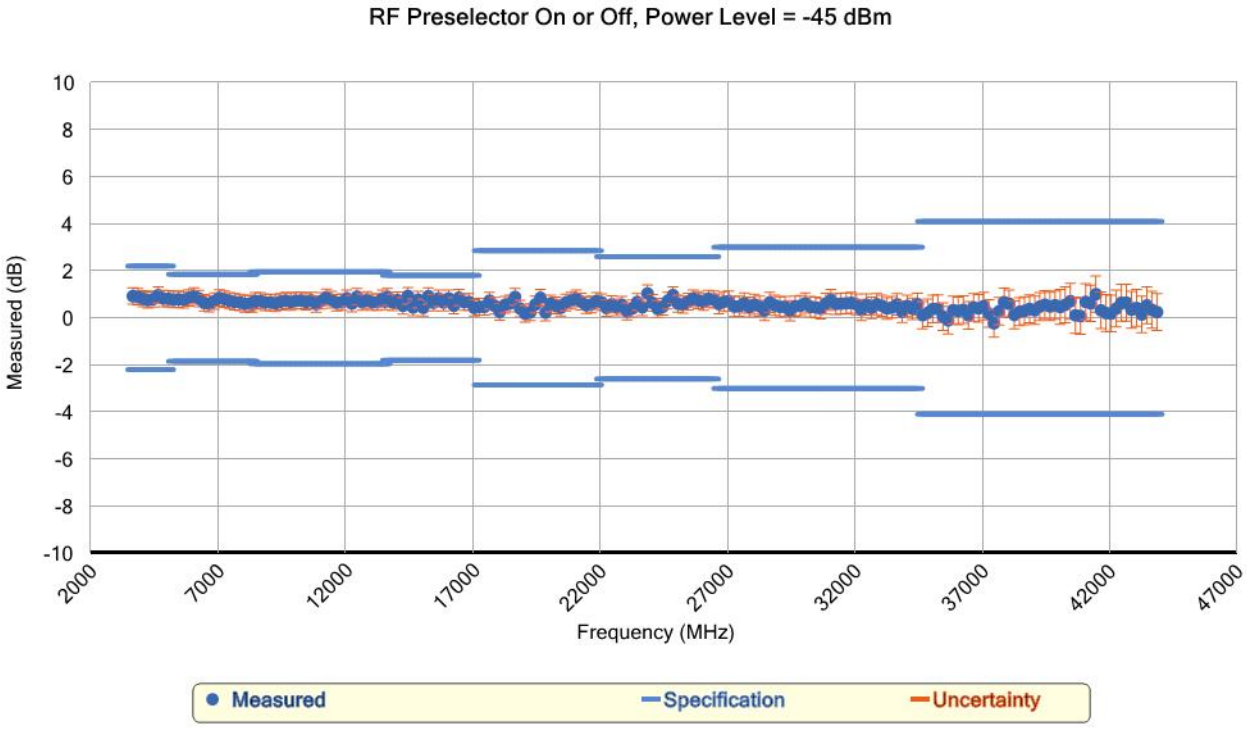
Attenuation Level	Minimum	Measured	Maximum	Uncert.	Status
6.00 dB	−0.20 dB	0.046 dB	0.20 dB	0.057 dB	
8.00 dB	−0.20 dB	0.050 dB	0.20 dB	0.057 dB	
12.00 dB	−0.20 dB	0.008 dB	0.20 dB	0.057 dB	
14.00 dB	−0.20 dB	0.002 dB	0.20 dB	0.057 dB	
16.00 dB	−0.20 dB	0.005 dB	0.20 dB	0.057 dB	
18.00 dB	−0.20 dB	0.001 dB	0.20 dB	0.057 dB	
20.00 dB	−0.20 dB	0.002 dB	0.20 dB	0.057 dB	
30.00 dB	−0.20 dB	0.038 dB	0.20 dB	0.057 dB	
40.00 dB	−0.20 dB	0.017 dB	0.20 dB	0.057 dB	
50.00 dB	−0.20 dB	−0.028 dB	0.20 dB	0.057 dB	
60.00 dB	−0.20 dB	−0.040 dB	0.20 dB	0.056 dB	
70.00 dB	−0.20 dB	−0.037 dB	0.20 dB	0.056 dB	

Display Scale Fidelity **Passed**



Nominal Mixer Level	Measured Input Level	Minimum	Measured	Maximum	Uncertainty	Status
−85.00 dBm	−74.98 dBm	−0.15 dB	−0.006 dB	0.15 dB	0.014 dB	
−75.00 dBm	−64.95 dBm	−0.10 dB	0.002 dB	0.10 dB	0.012 dB	
−65.00 dBm	−54.90 dBm	−0.10 dB	−0.003 dB	0.10 dB	0.011 dB	
−55.00 dBm	−45.03 dBm	−0.10 dB	0.000 dB	0.10 dB	0.011 dB	
−45.00 dBm	−34.98 dBm	−0.10 dB	−0.001 dB	0.10 dB	0.0091 dB	
−25.00 dBm	−14.91 dBm	−0.10 dB	0.000 dB	0.10 dB	0.0082 dB	
−21.00 dBm	−10.87 dBm	−0.10 dB	0.000 dB	0.10 dB	0.0082 dB	
−16.00 dBm	−5.74 dBm	−0.10 dB	0.001 dB	0.10 dB	0.016 dB	

Freq Resp Above 3.6 GHz Preamp On — Passed



RF Preselector On or Off, Power Level = -45 dBm

Frequency	Minimum	Measured	Maximum	Uncert.	Status
3650.00 MHz	−2.20 dB	0.922 dB	2.20 dB	0.35 dB	
3850.00 MHz	−2.20 dB	0.904 dB	2.20 dB	0.35 dB	
4050.00 MHz	−2.20 dB	0.810 dB	2.20 dB	0.35 dB	
4250.00 MHz	−2.20 dB	0.755 dB	2.20 dB	0.35 dB	
4450.00 MHz	−2.20 dB	0.796 dB	2.20 dB	0.35 dB	
4650.00 MHz	−2.20 dB	0.966 dB	2.20 dB	0.35 dB	
4850.00 MHz	−2.20 dB	0.820 dB	2.20 dB	0.35 dB	
5050.00 MHz	−2.20 dB	0.810 dB	2.20 dB	0.35 dB	
5250.00 MHz	−1.85 dB	0.773 dB	1.85 dB	0.35 dB	
5450.00 MHz	−1.85 dB	0.788 dB	1.85 dB	0.35 dB	
5650.00 MHz	−1.85 dB	0.758 dB	1.85 dB	0.35 dB	
5850.00 MHz	−1.85 dB	0.849 dB	1.85 dB	0.35 dB	
6050.00 MHz	−1.85 dB	0.922 dB	1.85 dB	0.35 dB	
6250.00 MHz	−1.85 dB	0.822 dB	1.85 dB	0.35 dB	
6450.00 MHz	−1.85 dB	0.638 dB	1.85 dB	0.35 dB	
6650.00 MHz	−1.85 dB	0.598 dB	1.85 dB	0.35 dB	
6850.00 MHz	−1.85 dB	0.707 dB	1.85 dB	0.35 dB	
7050.00 MHz	−1.85 dB	0.845 dB	1.85 dB	0.35 dB	

Freq Resp Above 3.6 GHz Preamp On (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
7250.00 MHz	−1.85 dB	0.796 dB	1.85 dB	0.35 dB	
7450.00 MHz	−1.85 dB	0.724 dB	1.85 dB	0.35 dB	
7650.00 MHz	−1.85 dB	0.677 dB	1.85 dB	0.35 dB	
7850.00 MHz	−1.85 dB	0.660 dB	1.85 dB	0.35 dB	
8050.00 MHz	−1.85 dB	0.593 dB	1.85 dB	0.35 dB	
8250.00 MHz	−1.85 dB	0.608 dB	1.85 dB	0.35 dB	
8350.00 MHz	−1.85 dB	0.585 dB	1.85 dB	0.35 dB	
8450.00 MHz	−1.95 dB	0.720 dB	1.95 dB	0.35 dB	
8650.00 MHz	−1.95 dB	0.717 dB	1.95 dB	0.35 dB	
8850.00 MHz	−1.95 dB	0.654 dB	1.95 dB	0.35 dB	
9050.00 MHz	−1.95 dB	0.657 dB	1.95 dB	0.35 dB	
9250.00 MHz	−1.95 dB	0.621 dB	1.95 dB	0.35 dB	
9450.00 MHz	−1.95 dB	0.686 dB	1.95 dB	0.35 dB	
9650.00 MHz	−1.95 dB	0.733 dB	1.95 dB	0.35 dB	
9850.00 MHz	−1.95 dB	0.673 dB	1.95 dB	0.35 dB	
10050.00 MHz	−1.95 dB	0.728 dB	1.95 dB	0.35 dB	
10250.00 MHz	−1.95 dB	0.740 dB	1.95 dB	0.35 dB	
10450.00 MHz	−1.95 dB	0.678 dB	1.95 dB	0.35 dB	
10650.00 MHz	−1.95 dB	0.739 dB	1.95 dB	0.35 dB	
10850.00 MHz	−1.95 dB	0.586 dB	1.95 dB	0.35 dB	
11050.00 MHz	−1.95 dB	0.721 dB	1.95 dB	0.35 dB	
11250.00 MHz	−1.95 dB	0.874 dB	1.95 dB	0.35 dB	
11450.00 MHz	−1.95 dB	0.768 dB	1.95 dB	0.35 dB	
11650.00 MHz	−1.95 dB	0.644 dB	1.95 dB	0.35 dB	
11850.00 MHz	−1.95 dB	0.666 dB	1.95 dB	0.35 dB	
12050.00 MHz	−1.95 dB	0.826 dB	1.95 dB	0.35 dB	
12250.00 MHz	−1.95 dB	0.603 dB	1.95 dB	0.35 dB	
12450.00 MHz	−1.95 dB	0.901 dB	1.95 dB	0.35 dB	
12650.00 MHz	−1.95 dB	0.667 dB	1.95 dB	0.35 dB	
12850.00 MHz	−1.95 dB	0.756 dB	1.95 dB	0.35 dB	
13050.00 MHz	−1.95 dB	0.667 dB	1.95 dB	0.35 dB	
13250.00 MHz	−1.95 dB	0.667 dB	1.95 dB	0.35 dB	
13450.00 MHz	−1.95 dB	0.822 dB	1.95 dB	0.35 dB	
13550.00 MHz	−1.95 dB	0.695 dB	1.95 dB	0.35 dB	
13650.00 MHz	−1.80 dB	0.889 dB	1.80 dB	0.35 dB	
13850.00 MHz	−1.80 dB	0.655 dB	1.80 dB	0.35 dB	
14050.00 MHz	−1.80 dB	0.746 dB	1.80 dB	0.35 dB	
14250.00 MHz	−1.80 dB	0.511 dB	1.80 dB	0.35 dB	
14450.00 MHz	−1.80 dB	0.932 dB	1.80 dB	0.35 dB	
14650.00 MHz	−1.80 dB	0.440 dB	1.80 dB	0.35 dB	
14850.00 MHz	−1.80 dB	0.772 dB	1.80 dB	0.35 dB	
15050.00 MHz	−1.80 dB	0.427 dB	1.80 dB	0.35 dB	
15250.00 MHz	−1.80 dB	0.921 dB	1.80 dB	0.35 dB	
15450.00 MHz	−1.80 dB	0.641 dB	1.80 dB	0.35 dB	
15650.00 MHz	−1.80 dB	0.826 dB	1.80 dB	0.35 dB	
15850.00 MHz	−1.80 dB	0.650 dB	1.80 dB	0.35 dB	
16050.00 MHz	−1.80 dB	0.825 dB	1.80 dB	0.35 dB	
16250.00 MHz	−1.80 dB	0.517 dB	1.80 dB	0.35 dB	
16450.00 MHz	−1.80 dB	0.856 dB	1.80 dB	0.35 dB	
16650.00 MHz	−1.80 dB	0.670 dB	1.80 dB	0.35 dB	
16850.00 MHz	−1.80 dB	0.674 dB	1.80 dB	0.35 dB	

Freq Resp Above 3.6 GHz Preamp On (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
17050.00 MHz	−1.80 dB	0.423 dB	1.80 dB	0.35 dB	
17250.00 MHz	−2.85 dB	0.467 dB	2.85 dB	0.35 dB	
17450.00 MHz	−2.85 dB	0.471 dB	2.85 dB	0.35 dB	
17650.00 MHz	−2.85 dB	0.729 dB	2.85 dB	0.35 dB	
17850.00 MHz	−2.85 dB	0.508 dB	2.85 dB	0.35 dB	
18050.00 MHz	−2.85 dB	0.254 dB	2.85 dB	0.35 dB	
18250.00 MHz	−2.85 dB	0.550 dB	2.85 dB	0.35 dB	
18450.00 MHz	−2.85 dB	0.611 dB	2.85 dB	0.35 dB	
18650.00 MHz	−2.85 dB	0.887 dB	2.85 dB	0.35 dB	
18850.00 MHz	−2.85 dB	0.394 dB	2.85 dB	0.35 dB	
19050.00 MHz	−2.85 dB	0.173 dB	2.85 dB	0.35 dB	
19250.00 MHz	−2.85 dB	0.236 dB	2.85 dB	0.35 dB	
19450.00 MHz	−2.85 dB	0.566 dB	2.85 dB	0.35 dB	
19650.00 MHz	−2.85 dB	0.850 dB	2.85 dB	0.35 dB	
19850.00 MHz	−2.85 dB	0.223 dB	2.85 dB	0.35 dB	
20050.00 MHz	−2.85 dB	0.612 dB	2.85 dB	0.35 dB	
20250.00 MHz	−2.85 dB	0.524 dB	2.85 dB	0.35 dB	
20450.00 MHz	−2.85 dB	0.430 dB	2.85 dB	0.35 dB	
20650.00 MHz	−2.85 dB	0.651 dB	2.85 dB	0.35 dB	
20850.00 MHz	−2.85 dB	0.731 dB	2.85 dB	0.35 dB	
21050.00 MHz	−2.85 dB	0.824 dB	2.85 dB	0.35 dB	
21250.00 MHz	−2.85 dB	0.691 dB	2.85 dB	0.35 dB	
21450.00 MHz	−2.85 dB	0.533 dB	2.85 dB	0.35 dB	
21650.00 MHz	−2.85 dB	0.568 dB	2.85 dB	0.35 dB	
21850.00 MHz	−2.85 dB	0.718 dB	2.85 dB	0.35 dB	
22050.00 MHz	−2.60 dB	0.664 dB	2.60 dB	0.36 dB	
22250.00 MHz	−2.60 dB	0.414 dB	2.60 dB	0.36 dB	
22450.00 MHz	−2.60 dB	0.572 dB	2.60 dB	0.36 dB	
22650.00 MHz	−2.60 dB	0.440 dB	2.60 dB	0.36 dB	
22850.00 MHz	−2.60 dB	0.550 dB	2.60 dB	0.36 dB	
23050.00 MHz	−2.60 dB	0.273 dB	2.60 dB	0.36 dB	
23250.00 MHz	−2.60 dB	0.396 dB	2.60 dB	0.36 dB	
23450.00 MHz	−2.60 dB	0.674 dB	2.60 dB	0.36 dB	
23650.00 MHz	−2.60 dB	0.449 dB	2.60 dB	0.36 dB	
23850.00 MHz	−2.60 dB	1.037 dB	2.60 dB	0.36 dB	
24050.00 MHz	−2.60 dB	0.636 dB	2.60 dB	0.36 dB	
24250.00 MHz	−2.60 dB	0.380 dB	2.60 dB	0.36 dB	
24450.00 MHz	−2.60 dB	0.472 dB	2.60 dB	0.36 dB	
24650.00 MHz	−2.60 dB	0.731 dB	2.60 dB	0.36 dB	
24850.00 MHz	−2.60 dB	0.964 dB	2.60 dB	0.36 dB	
25050.00 MHz	−2.60 dB	0.600 dB	2.60 dB	0.36 dB	
25250.00 MHz	−2.60 dB	0.559 dB	2.60 dB	0.36 dB	
25450.00 MHz	−2.60 dB	0.693 dB	2.60 dB	0.36 dB	
25650.00 MHz	−2.60 dB	0.828 dB	2.60 dB	0.36 dB	
25850.00 MHz	−2.60 dB	0.748 dB	2.60 dB	0.36 dB	
26050.00 MHz	−2.60 dB	0.678 dB	2.60 dB	0.36 dB	
26250.00 MHz	−2.60 dB	0.809 dB	2.60 dB	0.36 dB	
26450.00 MHz	−2.60 dB	0.775 dB	2.60 dB	0.36 dB	
26650.00 MHz	−3.00 dB	0.587 dB	3.00 dB	0.42 dB	
26850.00 MHz	−3.00 dB	0.685 dB	3.00 dB	0.42 dB	
27050.00 MHz	−3.00 dB	0.716 dB	3.00 dB	0.42 dB	

Freq Resp Above 3.6 GHz Preamp On (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
27250.00 MHz	−3.00 dB	0.478 dB	3.00 dB	0.43 dB	
27450.00 MHz	−3.00 dB	0.490 dB	3.00 dB	0.43 dB	
27650.00 MHz	−3.00 dB	0.630 dB	3.00 dB	0.43 dB	
27850.00 MHz	−3.00 dB	0.455 dB	3.00 dB	0.43 dB	
28050.00 MHz	−3.00 dB	0.569 dB	3.00 dB	0.43 dB	
28250.00 MHz	−3.00 dB	0.491 dB	3.00 dB	0.43 dB	
28450.00 MHz	−3.00 dB	0.311 dB	3.00 dB	0.43 dB	
28650.00 MHz	−3.00 dB	0.659 dB	3.00 dB	0.43 dB	
28850.00 MHz	−3.00 dB	0.530 dB	3.00 dB	0.43 dB	
29050.00 MHz	−3.00 dB	0.469 dB	3.00 dB	0.43 dB	
29250.00 MHz	−3.00 dB	0.476 dB	3.00 dB	0.43 dB	
29450.00 MHz	−3.00 dB	0.301 dB	3.00 dB	0.43 dB	
29650.00 MHz	−3.00 dB	0.488 dB	3.00 dB	0.43 dB	
29850.00 MHz	−3.00 dB	0.517 dB	3.00 dB	0.43 dB	
30050.00 MHz	−3.00 dB	0.628 dB	3.00 dB	0.43 dB	
30250.00 MHz	−3.00 dB	0.467 dB	3.00 dB	0.44 dB	
30450.00 MHz	−3.00 dB	0.443 dB	3.00 dB	0.44 dB	
30650.00 MHz	−3.00 dB	0.394 dB	3.00 dB	0.44 dB	
30850.00 MHz	−3.00 dB	0.598 dB	3.00 dB	0.44 dB	
31050.00 MHz	−3.00 dB	0.763 dB	3.00 dB	0.44 dB	
31250.00 MHz	−3.00 dB	0.591 dB	3.00 dB	0.44 dB	
31450.00 MHz	−3.00 dB	0.605 dB	3.00 dB	0.44 dB	
31650.00 MHz	−3.00 dB	0.616 dB	3.00 dB	0.44 dB	
31850.00 MHz	−3.00 dB	0.638 dB	3.00 dB	0.45 dB	
32050.00 MHz	−3.00 dB	0.571 dB	3.00 dB	0.45 dB	
32250.00 MHz	−3.00 dB	0.336 dB	3.00 dB	0.45 dB	
32450.00 MHz	−3.00 dB	0.561 dB	3.00 dB	0.45 dB	
32650.00 MHz	−3.00 dB	0.421 dB	3.00 dB	0.45 dB	
32850.00 MHz	−3.00 dB	0.580 dB	3.00 dB	0.45 dB	
33050.00 MHz	−3.00 dB	0.512 dB	3.00 dB	0.45 dB	
33250.00 MHz	−3.00 dB	0.399 dB	3.00 dB	0.45 dB	
33450.00 MHz	−3.00 dB	0.444 dB	3.00 dB	0.46 dB	
33650.00 MHz	−3.00 dB	0.573 dB	3.00 dB	0.46 dB	
33850.00 MHz	−3.00 dB	0.253 dB	3.00 dB	0.46 dB	
34050.00 MHz	−3.00 dB	0.508 dB	3.00 dB	0.46 dB	
34250.00 MHz	−3.00 dB	0.382 dB	3.00 dB	0.46 dB	
34450.00 MHz	−3.00 dB	0.580 dB	3.00 dB	0.46 dB	
34650.00 MHz	−4.10 dB	0.109 dB	4.10 dB	0.59 dB	
34850.00 MHz	−4.10 dB	0.213 dB	4.10 dB	0.59 dB	
35050.00 MHz	−4.10 dB	0.375 dB	4.10 dB	0.59 dB	
35250.00 MHz	−4.10 dB	0.387 dB	4.10 dB	0.59 dB	
35450.00 MHz	−4.10 dB	0.052 dB	4.10 dB	0.59 dB	
35650.00 MHz	−4.10 dB	−0.107 dB	4.10 dB	0.59 dB	
35850.00 MHz	−4.10 dB	0.329 dB	4.10 dB	0.59 dB	
36050.00 MHz	−4.10 dB	0.292 dB	4.10 dB	0.59 dB	
36250.00 MHz	−4.10 dB	0.343 dB	4.10 dB	0.59 dB	
36450.00 MHz	−4.10 dB	0.106 dB	4.10 dB	0.59 dB	
36650.00 MHz	−4.10 dB	0.441 dB	4.10 dB	0.59 dB	
36850.00 MHz	−4.10 dB	0.402 dB	4.10 dB	0.59 dB	
37050.00 MHz	−4.10 dB	0.498 dB	4.10 dB	0.59 dB	
37250.00 MHz	−4.10 dB	0.185 dB	4.10 dB	0.59 dB	

Freq Resp Above 3.6 GHz Preamp On (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
37450.00 MHz	−4.10 dB	−0.230 dB	4.10 dB	0.59 dB	
37650.00 MHz	−4.10 dB	0.278 dB	4.10 dB	0.59 dB	
37850.00 MHz	−4.10 dB	0.666 dB	4.10 dB	0.59 dB	
38050.00 MHz	−4.10 dB	0.596 dB	4.10 dB	0.59 dB	
38250.00 MHz	−4.10 dB	0.121 dB	4.10 dB	0.59 dB	
38450.00 MHz	−4.10 dB	0.256 dB	4.10 dB	0.59 dB	
38650.00 MHz	−4.10 dB	0.299 dB	4.10 dB	0.59 dB	
38850.00 MHz	−4.10 dB	0.378 dB	4.10 dB	0.59 dB	
39050.00 MHz	−4.10 dB	0.320 dB	4.10 dB	0.59 dB	
39250.00 MHz	−4.10 dB	0.479 dB	4.10 dB	0.59 dB	
39450.00 MHz	−4.10 dB	0.561 dB	4.10 dB	0.60 dB	
39650.00 MHz	−4.10 dB	0.483 dB	4.10 dB	0.60 dB	
39850.00 MHz	−4.10 dB	0.537 dB	4.10 dB	0.60 dB	
40050.00 MHz	−4.10 dB	0.463 dB	4.10 dB	0.75 dB	
40250.00 MHz	−4.10 dB	0.557 dB	4.10 dB	0.76 dB	
40450.00 MHz	−4.10 dB	0.705 dB	4.10 dB	0.76 dB	
40650.00 MHz	−4.10 dB	0.107 dB	4.10 dB	0.77 dB	
40850.00 MHz	−4.10 dB	0.073 dB	4.10 dB	0.77 dB	
41050.00 MHz	−4.10 dB	0.680 dB	4.10 dB	0.77 dB	
41250.00 MHz	−4.10 dB	0.611 dB	4.10 dB	0.77 dB	
41450.00 MHz	−4.10 dB	1.007 dB	4.10 dB	0.77 dB	
41650.00 MHz	−4.10 dB	0.320 dB	4.10 dB	0.78 dB	
41850.00 MHz	−4.10 dB	0.204 dB	4.10 dB	0.78 dB	
42050.00 MHz	−4.10 dB	0.181 dB	4.10 dB	0.78 dB	
42250.00 MHz	−4.10 dB	0.396 dB	4.10 dB	0.78 dB	
42450.00 MHz	−4.10 dB	0.637 dB	4.10 dB	0.78 dB	
42650.00 MHz	−4.10 dB	0.642 dB	4.10 dB	0.78 dB	
42850.00 MHz	−4.10 dB	0.345 dB	4.10 dB	0.78 dB	
43050.00 MHz	−4.10 dB	0.417 dB	4.10 dB	0.78 dB	
43250.00 MHz	−4.10 dB	0.143 dB	4.10 dB	0.78 dB	
43450.00 MHz	−4.10 dB	0.529 dB	4.10 dB	0.78 dB	
43650.00 MHz	−4.10 dB	0.338 dB	4.10 dB	0.78 dB	
43850.00 MHz	−4.10 dB	0.243 dB	4.10 dB	0.78 dB	

IF Input Gain Accuracy Option EXM — Passed

STD IF Path

Test Condition	Minimum	Measured	Maximum	Uncert.	Status
STD IF Path	−1.20 dB	0.098 dB	1.20 dB	0.19 dB	

Spurious Responses — Passed

First Order Spurious Responses

Spurious Frequency	Source Frequency	Measured	Maximum	Uncert.	Status
333.50 MHz	322.50 MHz	−125.80 dBc	−80.0 dBc	0.45 dB	
4477.50 MHz	322.50 MHz	−128.94 dBc	−80.0 dBc	0.51 dB	
9279.50 MHz	9278.50 MHz	−102.42 dBc	−74.0 dBc	0.57 dB	

Spurious Responses (cont.)

Note: The reported uncertainties assume measured values near the specification limit.

Higher Order Spurious Responses

Spurious Frequency	Source Frequency	Measured	Maximum	Uncert.	Status
1000.00 MHz	1161.25 MHz	−109.22 dBc	−80.0 dBc	0.45 dB	
1000.00 MHz	3561.25 MHz	−101.15 dBc	−80.0 dBc	0.45 dB	
1100.00 MHz	2561.25 MHz	−105.52 dBc	−80.0 dBc	0.45 dB	
25000.00 MHz	161.25 MHz	−103.96 dBc	−68.0 dBc	0.54 dB	
25000.00 MHz	25161.25 MHz	−104.18 dBc	−68.0 dBc	0.61 dB	

Note: The reported uncertainties assume measured values near the specification limit.

Image Spurious Responses

Spurious Frequency	Source Frequency	Measured	Maximum	Uncert.	Status
225.00 MHz	10470.00 MHz	−134.00 dBc	−80.0 dBc	0.51 dB	
1100.00 MHz	1745.00 MHz	−121.88 dBc	−80.0 dBc	0.45 dB	
5500.00 MHz	6145.00 MHz	−112.06 dBc	−78.0 dBc	0.57 dB	
12000.00 MHz	12645.00 MHz	−109.78 dBc	−78.0 dBc	0.57 dB	
15000.00 MHz	15645.00 MHz	−117.14 dBc	−74.0 dBc	0.57 dB	
15500.00 MHz	16145.00 MHz	−112.67 dBc	−74.0 dBc	0.57 dB	
20500.00 MHz	21145.00 MHz	−117.49 dBc	−70.0 dBc	0.60 dB	
23000.00 MHz	23645.00 MHz	−105.49 dBc	−68.0 dBc	0.61 dB	
30000.00 MHz	30645.00 MHz	−112.35 dBc	−70.0 dBc	0.72 dB	
34000.00 MHz	34645.00 MHz	−110.88 dBc	−70.0 dBc	0.77 dB	
40000.00 MHz	40645.00 MHz	−101.97 dBc	−60.0 dBc	0.86 dB	
41000.00 MHz	41645.00 MHz	−94.74 dBc	−60.0 dBc	0.90 dB	

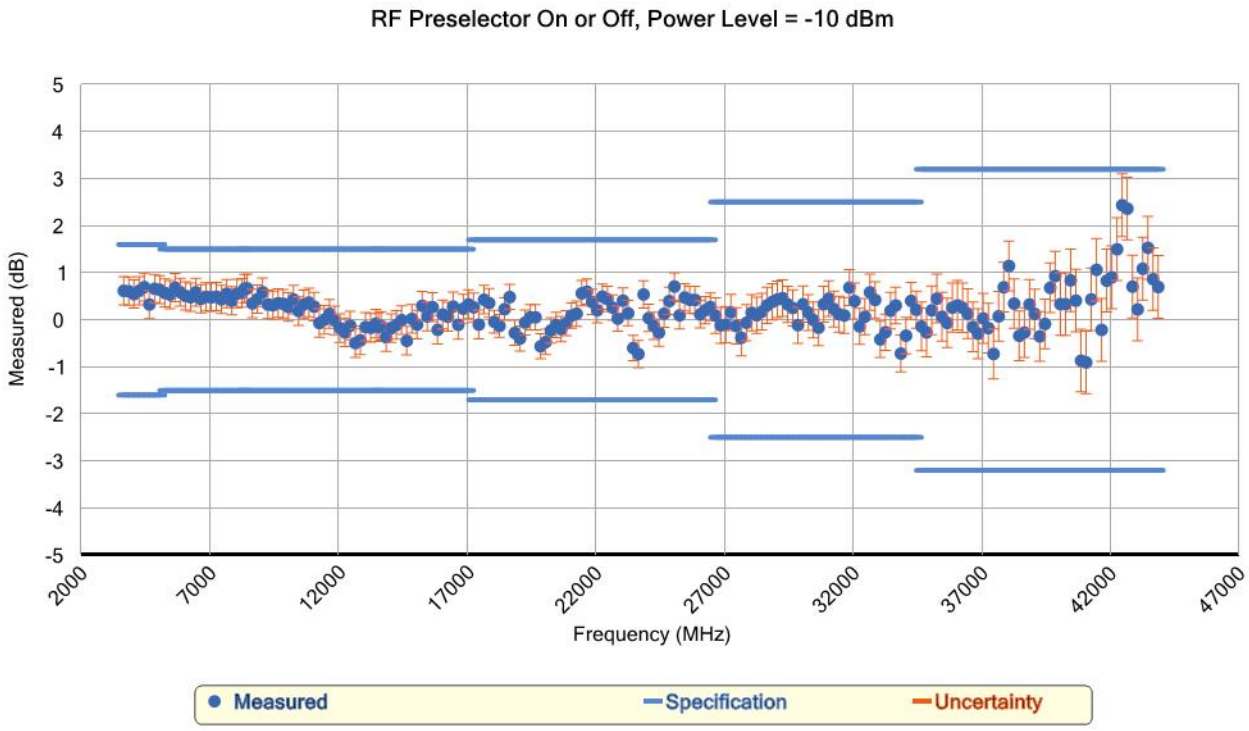
Note: The reported uncertainties assume measured values near the specification limit.

LO Related Spurious Responses

Spurious Frequency	Source Frequency	Measured	Maximum	Uncert.	Status
2176.50 MHz	1473.00 MHz	−95.83 dBc	−60.0 dBc	0.45 dB	

Note: The reported uncertainties assume measured values near the specification limit.

Freq Resp Above 3.6 GHz Preamp Off — Passed



RF Preselector On or Off, Power Level = -10 dBm

Frequency	Minimum	Measured	Maximum	Uncert.	Status
3650.00 MHz	−1.60 dB	0.618 dB	1.60 dB	0.30 dB	
3850.00 MHz	−1.60 dB	0.607 dB	1.60 dB	0.30 dB	
4050.00 MHz	−1.60 dB	0.546 dB	1.60 dB	0.30 dB	
4250.00 MHz	−1.60 dB	0.617 dB	1.60 dB	0.30 dB	
4450.00 MHz	−1.60 dB	0.695 dB	1.60 dB	0.30 dB	
4650.00 MHz	−1.60 dB	0.326 dB	1.60 dB	0.30 dB	
4850.00 MHz	−1.60 dB	0.662 dB	1.60 dB	0.30 dB	
5050.00 MHz	−1.60 dB	0.640 dB	1.60 dB	0.30 dB	
5250.00 MHz	−1.50 dB	0.572 dB	1.50 dB	0.30 dB	
5450.00 MHz	−1.50 dB	0.536 dB	1.50 dB	0.30 dB	
5650.00 MHz	−1.50 dB	0.683 dB	1.50 dB	0.30 dB	
5850.00 MHz	−1.50 dB	0.585 dB	1.50 dB	0.30 dB	
6050.00 MHz	−1.50 dB	0.510 dB	1.50 dB	0.30 dB	
6250.00 MHz	−1.50 dB	0.479 dB	1.50 dB	0.30 dB	
6450.00 MHz	−1.50 dB	0.586 dB	1.50 dB	0.30 dB	
6650.00 MHz	−1.50 dB	0.445 dB	1.50 dB	0.30 dB	
6850.00 MHz	−1.50 dB	0.489 dB	1.50 dB	0.30 dB	
7050.00 MHz	−1.50 dB	0.479 dB	1.50 dB	0.30 dB	

Freq Resp Above 3.6 GHz Preamp Off (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
7250.00 MHz	−1.50 dB	0.493 dB	1.50 dB	0.30 dB	
7450.00 MHz	−1.50 dB	0.434 dB	1.50 dB	0.30 dB	
7650.00 MHz	−1.50 dB	0.557 dB	1.50 dB	0.30 dB	
7850.00 MHz	−1.50 dB	0.403 dB	1.50 dB	0.30 dB	
8050.00 MHz	−1.50 dB	0.559 dB	1.50 dB	0.30 dB	
8250.00 MHz	−1.50 dB	0.571 dB	1.50 dB	0.30 dB	
8350.00 MHz	−1.50 dB	0.665 dB	1.50 dB	0.30 dB	
8450.00 MHz	−1.50 dB	0.670 dB	1.50 dB	0.30 dB	
8650.00 MHz	−1.50 dB	0.349 dB	1.50 dB	0.30 dB	
8850.00 MHz	−1.50 dB	0.438 dB	1.50 dB	0.30 dB	
9050.00 MHz	−1.50 dB	0.587 dB	1.50 dB	0.30 dB	
9250.00 MHz	−1.50 dB	0.325 dB	1.50 dB	0.30 dB	
9450.00 MHz	−1.50 dB	0.310 dB	1.50 dB	0.30 dB	
9650.00 MHz	−1.50 dB	0.354 dB	1.50 dB	0.30 dB	
9850.00 MHz	−1.50 dB	0.341 dB	1.50 dB	0.30 dB	
10050.00 MHz	−1.50 dB	0.271 dB	1.50 dB	0.30 dB	
10250.00 MHz	−1.50 dB	0.431 dB	1.50 dB	0.30 dB	
10450.00 MHz	−1.50 dB	0.187 dB	1.50 dB	0.30 dB	
10650.00 MHz	−1.50 dB	0.327 dB	1.50 dB	0.30 dB	
10850.00 MHz	−1.50 dB	0.368 dB	1.50 dB	0.30 dB	
11050.00 MHz	−1.50 dB	0.280 dB	1.50 dB	0.30 dB	
11250.00 MHz	−1.50 dB	−0.068 dB	1.50 dB	0.30 dB	
11450.00 MHz	−1.50 dB	0.002 dB	1.50 dB	0.30 dB	
11650.00 MHz	−1.50 dB	0.126 dB	1.50 dB	0.30 dB	
11850.00 MHz	−1.50 dB	−0.013 dB	1.50 dB	0.30 dB	
12050.00 MHz	−1.50 dB	−0.174 dB	1.50 dB	0.30 dB	
12250.00 MHz	−1.50 dB	−0.269 dB	1.50 dB	0.30 dB	
12450.00 MHz	−1.50 dB	−0.125 dB	1.50 dB	0.30 dB	
12650.00 MHz	−1.50 dB	−0.495 dB	1.50 dB	0.30 dB	
12850.00 MHz	−1.50 dB	−0.435 dB	1.50 dB	0.30 dB	
13050.00 MHz	−1.50 dB	−0.153 dB	1.50 dB	0.30 dB	
13250.00 MHz	−1.50 dB	−0.169 dB	1.50 dB	0.30 dB	
13450.00 MHz	−1.50 dB	−0.079 dB	1.50 dB	0.30 dB	
13550.00 MHz	−1.50 dB	−0.156 dB	1.50 dB	0.30 dB	
13650.00 MHz	−1.50 dB	−0.130 dB	1.50 dB	0.30 dB	
13850.00 MHz	−1.50 dB	−0.368 dB	1.50 dB	0.30 dB	
14050.00 MHz	−1.50 dB	−0.177 dB	1.50 dB	0.30 dB	
14250.00 MHz	−1.50 dB	−0.108 dB	1.50 dB	0.30 dB	
14450.00 MHz	−1.50 dB	−0.006 dB	1.50 dB	0.30 dB	
14650.00 MHz	−1.50 dB	−0.445 dB	1.50 dB	0.30 dB	
14850.00 MHz	−1.50 dB	0.022 dB	1.50 dB	0.30 dB	
15050.00 MHz	−1.50 dB	−0.101 dB	1.50 dB	0.30 dB	
15250.00 MHz	−1.50 dB	0.297 dB	1.50 dB	0.30 dB	
15450.00 MHz	−1.50 dB	0.071 dB	1.50 dB	0.30 dB	
15650.00 MHz	−1.50 dB	0.270 dB	1.50 dB	0.30 dB	
15850.00 MHz	−1.50 dB	−0.210 dB	1.50 dB	0.30 dB	
16050.00 MHz	−1.50 dB	0.113 dB	1.50 dB	0.30 dB	
16250.00 MHz	−1.50 dB	0.066 dB	1.50 dB	0.30 dB	
16450.00 MHz	−1.50 dB	0.281 dB	1.50 dB	0.31 dB	
16650.00 MHz	−1.50 dB	−0.104 dB	1.50 dB	0.31 dB	
16850.00 MHz	−1.50 dB	0.237 dB	1.50 dB	0.31 dB	

Freq Resp Above 3.6 GHz Preamp Off (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
17050.00 MHz	−1.50 dB	0.329 dB	1.50 dB	0.31 dB	
17250.00 MHz	−1.70 dB	0.265 dB	1.70 dB	0.31 dB	
17450.00 MHz	−1.70 dB	−0.101 dB	1.70 dB	0.31 dB	
17650.00 MHz	−1.70 dB	0.429 dB	1.70 dB	0.31 dB	
17850.00 MHz	−1.70 dB	0.357 dB	1.70 dB	0.31 dB	
18050.00 MHz	−1.70 dB	−0.041 dB	1.70 dB	0.24 dB	
18250.00 MHz	−1.70 dB	−0.130 dB	1.70 dB	0.24 dB	
18450.00 MHz	−1.70 dB	0.228 dB	1.70 dB	0.24 dB	
18650.00 MHz	−1.70 dB	0.485 dB	1.70 dB	0.26 dB	
18850.00 MHz	−1.70 dB	−0.279 dB	1.70 dB	0.27 dB	
19050.00 MHz	−1.70 dB	−0.396 dB	1.70 dB	0.27 dB	
19250.00 MHz	−1.70 dB	−0.058 dB	1.70 dB	0.27 dB	
19450.00 MHz	−1.70 dB	0.055 dB	1.70 dB	0.27 dB	
19650.00 MHz	−1.70 dB	0.054 dB	1.70 dB	0.27 dB	
19850.00 MHz	−1.70 dB	−0.563 dB	1.70 dB	0.27 dB	
20050.00 MHz	−1.70 dB	−0.471 dB	1.70 dB	0.27 dB	
20250.00 MHz	−1.70 dB	−0.226 dB	1.70 dB	0.27 dB	
20450.00 MHz	−1.70 dB	−0.111 dB	1.70 dB	0.27 dB	
20650.00 MHz	−1.70 dB	−0.199 dB	1.70 dB	0.27 dB	
20850.00 MHz	−1.70 dB	−0.071 dB	1.70 dB	0.27 dB	
21050.00 MHz	−1.70 dB	0.090 dB	1.70 dB	0.27 dB	
21250.00 MHz	−1.70 dB	0.131 dB	1.70 dB	0.27 dB	
21450.00 MHz	−1.70 dB	0.563 dB	1.70 dB	0.27 dB	
21650.00 MHz	−1.70 dB	0.598 dB	1.70 dB	0.27 dB	
21850.00 MHz	−1.70 dB	0.379 dB	1.70 dB	0.27 dB	
22050.00 MHz	−1.70 dB	0.204 dB	1.70 dB	0.27 dB	
22250.00 MHz	−1.70 dB	0.493 dB	1.70 dB	0.27 dB	
22450.00 MHz	−1.70 dB	0.441 dB	1.70 dB	0.27 dB	
22650.00 MHz	−1.70 dB	0.259 dB	1.70 dB	0.27 dB	
22850.00 MHz	−1.70 dB	0.027 dB	1.70 dB	0.27 dB	
23050.00 MHz	−1.70 dB	0.407 dB	1.70 dB	0.27 dB	
23250.00 MHz	−1.70 dB	0.140 dB	1.70 dB	0.27 dB	
23450.00 MHz	−1.70 dB	−0.599 dB	1.70 dB	0.27 dB	
23650.00 MHz	−1.70 dB	−0.727 dB	1.70 dB	0.29 dB	
23850.00 MHz	−1.70 dB	0.539 dB	1.70 dB	0.29 dB	
24050.00 MHz	−1.70 dB	0.039 dB	1.70 dB	0.29 dB	
24250.00 MHz	−1.70 dB	−0.130 dB	1.70 dB	0.29 dB	
24450.00 MHz	−1.70 dB	−0.272 dB	1.70 dB	0.29 dB	
24650.00 MHz	−1.70 dB	0.130 dB	1.70 dB	0.29 dB	
24850.00 MHz	−1.70 dB	0.400 dB	1.70 dB	0.29 dB	
25050.00 MHz	−1.70 dB	0.708 dB	1.70 dB	0.29 dB	
25250.00 MHz	−1.70 dB	0.096 dB	1.70 dB	0.29 dB	
25450.00 MHz	−1.70 dB	0.476 dB	1.70 dB	0.29 dB	
25650.00 MHz	−1.70 dB	0.425 dB	1.70 dB	0.29 dB	
25850.00 MHz	−1.70 dB	0.423 dB	1.70 dB	0.29 dB	
26050.00 MHz	−1.70 dB	0.115 dB	1.70 dB	0.29 dB	
26250.00 MHz	−1.70 dB	0.205 dB	1.70 dB	0.29 dB	
26450.00 MHz	−1.70 dB	0.273 dB	1.70 dB	0.29 dB	
26650.00 MHz	−2.50 dB	0.089 dB	2.50 dB	0.38 dB	
26850.00 MHz	−2.50 dB	−0.118 dB	2.50 dB	0.38 dB	
27050.00 MHz	−2.50 dB	−0.101 dB	2.50 dB	0.38 dB	

Freq Resp Above 3.6 GHz Preamp Off (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
27250.00 MHz	−2.50 dB	0.159 dB	2.50 dB	0.38 dB	
27450.00 MHz	−2.50 dB	−0.132 dB	2.50 dB	0.38 dB	
27650.00 MHz	−2.50 dB	−0.381 dB	2.50 dB	0.38 dB	
27850.00 MHz	−2.50 dB	−0.062 dB	2.50 dB	0.38 dB	
28050.00 MHz	−2.50 dB	0.150 dB	2.50 dB	0.39 dB	
28250.00 MHz	−2.50 dB	0.098 dB	2.50 dB	0.39 dB	
28450.00 MHz	−2.50 dB	0.173 dB	2.50 dB	0.39 dB	
28650.00 MHz	−2.50 dB	0.308 dB	2.50 dB	0.39 dB	
28850.00 MHz	−2.50 dB	0.381 dB	2.50 dB	0.39 dB	
29050.00 MHz	−2.50 dB	0.433 dB	2.50 dB	0.39 dB	
29250.00 MHz	−2.50 dB	0.460 dB	2.50 dB	0.39 dB	
29450.00 MHz	−2.50 dB	0.327 dB	2.50 dB	0.39 dB	
29650.00 MHz	−2.50 dB	0.251 dB	2.50 dB	0.39 dB	
29850.00 MHz	−2.50 dB	−0.113 dB	2.50 dB	0.39 dB	
30050.00 MHz	−2.50 dB	0.332 dB	2.50 dB	0.38 dB	
30250.00 MHz	−2.50 dB	0.154 dB	2.50 dB	0.38 dB	
30450.00 MHz	−2.50 dB	−0.004 dB	2.50 dB	0.38 dB	
30650.00 MHz	−2.50 dB	−0.167 dB	2.50 dB	0.38 dB	
30850.00 MHz	−2.50 dB	0.332 dB	2.50 dB	0.38 dB	
31050.00 MHz	−2.50 dB	0.450 dB	2.50 dB	0.38 dB	
31250.00 MHz	−2.50 dB	0.229 dB	2.50 dB	0.38 dB	
31450.00 MHz	−2.50 dB	0.118 dB	2.50 dB	0.38 dB	
31650.00 MHz	−2.50 dB	0.092 dB	2.50 dB	0.38 dB	
31850.00 MHz	−2.50 dB	0.686 dB	2.50 dB	0.38 dB	
32050.00 MHz	−2.50 dB	0.398 dB	2.50 dB	0.38 dB	
32250.00 MHz	−2.50 dB	−0.141 dB	2.50 dB	0.38 dB	
32450.00 MHz	−2.50 dB	0.068 dB	2.50 dB	0.38 dB	
32650.00 MHz	−2.50 dB	0.585 dB	2.50 dB	0.38 dB	
32850.00 MHz	−2.50 dB	0.423 dB	2.50 dB	0.38 dB	
33050.00 MHz	−2.50 dB	−0.416 dB	2.50 dB	0.39 dB	
33250.00 MHz	−2.50 dB	−0.264 dB	2.50 dB	0.39 dB	
33450.00 MHz	−2.50 dB	0.194 dB	2.50 dB	0.39 dB	
33650.00 MHz	−2.50 dB	0.305 dB	2.50 dB	0.39 dB	
33850.00 MHz	−2.50 dB	−0.716 dB	2.50 dB	0.39 dB	
34050.00 MHz	−2.50 dB	−0.336 dB	2.50 dB	0.39 dB	
34250.00 MHz	−2.50 dB	0.403 dB	2.50 dB	0.39 dB	
34450.00 MHz	−2.50 dB	0.212 dB	2.50 dB	0.39 dB	
34650.00 MHz	−3.20 dB	−0.142 dB	3.20 dB	0.52 dB	
34850.00 MHz	−3.20 dB	−0.267 dB	3.20 dB	0.52 dB	
35050.00 MHz	−3.20 dB	0.204 dB	3.20 dB	0.52 dB	
35250.00 MHz	−3.20 dB	0.452 dB	3.20 dB	0.52 dB	
35450.00 MHz	−3.20 dB	0.065 dB	3.20 dB	0.52 dB	
35650.00 MHz	−3.20 dB	−0.065 dB	3.20 dB	0.52 dB	
35850.00 MHz	−3.20 dB	0.259 dB	3.20 dB	0.52 dB	
36050.00 MHz	−3.20 dB	0.308 dB	3.20 dB	0.52 dB	
36250.00 MHz	−3.20 dB	0.256 dB	3.20 dB	0.53 dB	
36450.00 MHz	−3.20 dB	0.128 dB	3.20 dB	0.53 dB	
36650.00 MHz	−3.20 dB	−0.150 dB	3.20 dB	0.53 dB	
36850.00 MHz	−3.20 dB	−0.296 dB	3.20 dB	0.53 dB	
37050.00 MHz	−3.20 dB	0.031 dB	3.20 dB	0.53 dB	
37250.00 MHz	−3.20 dB	−0.176 dB	3.20 dB	0.53 dB	

Freq Resp Above 3.6 GHz Preamp Off (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
37450.00 MHz	−3.20 dB	−0.725 dB	3.20 dB	0.53 dB	
37650.00 MHz	−3.20 dB	0.075 dB	3.20 dB	0.53 dB	
37850.00 MHz	−3.20 dB	0.692 dB	3.20 dB	0.53 dB	
38050.00 MHz	−3.20 dB	1.146 dB	3.20 dB	0.53 dB	
38250.00 MHz	−3.20 dB	0.344 dB	3.20 dB	0.53 dB	
38450.00 MHz	−3.20 dB	−0.339 dB	3.20 dB	0.53 dB	
38650.00 MHz	−3.20 dB	−0.270 dB	3.20 dB	0.53 dB	
38850.00 MHz	−3.20 dB	0.327 dB	3.20 dB	0.53 dB	
39050.00 MHz	−3.20 dB	0.126 dB	3.20 dB	0.53 dB	
39250.00 MHz	−3.20 dB	−0.352 dB	3.20 dB	0.53 dB	
39450.00 MHz	−3.20 dB	−0.087 dB	3.20 dB	0.53 dB	
39650.00 MHz	−3.20 dB	0.681 dB	3.20 dB	0.53 dB	
39850.00 MHz	−3.20 dB	0.930 dB	3.20 dB	0.53 dB	
40050.00 MHz	−3.20 dB	0.334 dB	3.20 dB	0.66 dB	
40250.00 MHz	−3.20 dB	0.333 dB	3.20 dB	0.66 dB	
40450.00 MHz	−3.20 dB	0.839 dB	3.20 dB	0.66 dB	
40650.00 MHz	−3.20 dB	0.408 dB	3.20 dB	0.66 dB	
40850.00 MHz	−3.20 dB	−0.867 dB	3.20 dB	0.66 dB	
41050.00 MHz	−3.20 dB	−0.905 dB	3.20 dB	0.66 dB	
41250.00 MHz	−3.20 dB	0.434 dB	3.20 dB	0.66 dB	
41450.00 MHz	−3.20 dB	1.064 dB	3.20 dB	0.67 dB	
41650.00 MHz	−3.20 dB	−0.213 dB	3.20 dB	0.67 dB	
41850.00 MHz	−3.20 dB	0.832 dB	3.20 dB	0.67 dB	
42050.00 MHz	−3.20 dB	0.904 dB	3.20 dB	0.67 dB	
42250.00 MHz	−3.20 dB	1.499 dB	3.20 dB	0.67 dB	
42450.00 MHz	−3.20 dB	2.436 dB	3.20 dB	0.67 dB	
42650.00 MHz	−3.20 dB	2.363 dB	3.20 dB	0.67 dB	
42850.00 MHz	−3.20 dB	0.705 dB	3.20 dB	0.67 dB	
43050.00 MHz	−3.20 dB	0.221 dB	3.20 dB	0.66 dB	
43250.00 MHz	−3.20 dB	1.086 dB	3.20 dB	0.67 dB	
43450.00 MHz	−3.20 dB	1.530 dB	3.20 dB	0.67 dB	
43650.00 MHz	−3.20 dB	0.865 dB	3.20 dB	0.67 dB	
43850.00 MHz	−3.20 dB	0.697 dB	3.20 dB	0.67 dB	

Second Harmonic Intercept — Passed

RF Preselector Off (Below 3.6 GHz), RF Preselector On or Off (Above 3.6 GHz), Mixer Level = -15 dBm

Frequency	Minimum	Measured	Uncert.	Status
50.10 MHz	45 dBm	59.2 dBm	0.99 dB	
290.10 MHz	45 dBm	83.2 dBm	1.2 dB	
1748.10 MHz	41 dBm	61.0 dBm	0.99 dB	
3900.10 MHz	60 dBm	84.7 dBm	1.7 dB	
8200.10 MHz	55 dBm	81.7 dBm	1.6 dB	
12400.10 MHz	50 dBm	88.7 dBm	2.7 dB	
16700.10 MHz	44 dBm	58.2 dBm	1.0 dB	
21500.10 MHz	44 dBm	58.0 dBm	1.1 dB	

Second Harmonic Intercept (cont.)

RF Preselector On, Mixer Level = -15 dBm

Frequency	Minimum	Measured	Uncert.	Status
50.10 MHz	57 dBm	74.0 dBm	1.0 dB	
290.10 MHz	57 dBm	81.2 dBm	1.2 dB	
1748.10 MHz	46 dBm	60.1 dBm	0.99 dB	

Gain Compression — Passed

RF Preselector Off (Below 3.6 GHz), RF Preselector On or Off (Above 3.6 GHz)

Center Frequency	Mixer Level	Measured	Maximum	Uncert.	Status
50.00 MHz	0.00 dBm	0.00 dB	1 dB	0.16 dB	
200.00 MHz	0.00 dBm	0.00 dB	1 dB	0.16 dB	
500.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	
2000.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	
3000.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	
3500.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	
6000.00 MHz	0.00 dBm	0.00 dB	1 dB	0.19 dB	
11000.00 MHz	0.00 dBm	0.00 dB	1 dB	0.19 dB	
15300.00 MHz	0.00 dBm	0.00 dB	1 dB	0.19 dB	
19900.00 MHz	0.00 dBm	0.00 dB	1 dB	0.18 dB	
32500.00 MHz	−3.00 dBm	0.06 dB	1 dB	0.20 dB	
37000.00 MHz	−3.00 dBm	0.00 dB	1 dB	0.21 dB	
43500.00 MHz	−3.00 dBm	0.00 dB	1 dB	0.23 dB	

RF Preselector On

Center Frequency	Mixer Level	Measured	Maximum	Uncert.	Status
50.00 MHz	0.00 dBm	0.00 dB	1 dB	0.16 dB	
200.00 MHz	0.00 dBm	0.00 dB	1 dB	0.16 dB	
500.00 MHz	1.00 dBm	0.02 dB	1 dB	0.16 dB	
2000.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	
3000.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	
3500.00 MHz	1.00 dBm	0.00 dB	1 dB	0.16 dB	

Third Order Intermodulation Distortion — Passed

RF Preselector On, Preamplifier On

Frequency	Minimum	Measured	Uncert.	Status
10.11 MHz	−9.0 dBm	2.47 dBm	0.56 dB	
12.11 MHz	−9.0 dBm	2.70 dBm	0.56 dB	
15.11 MHz	−9.0 dBm	2.79 dBm	0.56 dB	
18.11 MHz	−9.0 dBm	2.71 dBm	0.56 dB	
22.11 MHz	−9.0 dBm	2.44 dBm	0.56 dB	
26.11 MHz	−9.0 dBm	1.82 dBm	0.56 dB	
30.11 MHz	−9.0 dBm	1.80 dBm	0.56 dB	
50.11 MHz	−9.0 dBm	−0.95 dBm	0.53 dB	
100.11 MHz	−9.0 dBm	−0.13 dBm	0.56 dB	

Third Order Intermodulation Distortion (cont.)

Frequency	Minimum	Measured	Uncert.	Status
400.11 MHz	−9.0 dBm	−1.03 dBm	0.56 dB	
800.11 MHz	−9.0 dBm	2.29 dBm	0.56 dB	
1700.11 MHz	−4.0 dBm	1.88 dBm	0.57 dB	
2800.11 MHz	−6.0 dBm	2.39 dBm	0.57 dB	

RF Preselector On, Preamplifier Off

Frequency	Minimum	Measured	Uncert.	Status
10.11 MHz	12.0 dBm	22.97 dBm	0.63 dB	
12.11 MHz	12.0 dBm	23.38 dBm	0.65 dB	
15.11 MHz	12.0 dBm	23.66 dBm	0.67 dB	
18.11 MHz	12.0 dBm	21.52 dBm	0.58 dB	
22.11 MHz	12.0 dBm	21.05 dBm	0.56 dB	
26.11 MHz	12.0 dBm	22.19 dBm	0.60 dB	
30.11 MHz	12.5 dBm	22.63 dBm	0.60 dB	
50.11 MHz	12.5 dBm	18.80 dBm	0.53 dB	
100.11 MHz	12.5 dBm	23.40 dBm	0.63 dB	
400.11 MHz	12.5 dBm	19.37 dBm	0.52 dB	
800.11 MHz	12.5 dBm	20.92 dBm	0.55 dB	
1700.11 MHz	14.5 dBm	17.91 dBm	0.53 dB	
2800.11 MHz	14.5 dBm	18.41 dBm	0.53 dB	

RF Preselector Off (Below 3.6 GHz), RF Preselector On or Off (Above 3.6 GHz), Preamplifier Off

Frequency	Minimum	Measured	Uncert.	Status
50.01 MHz	12.0 dBm	22.96 dBm	0.63 dB	
1700.11 MHz	16.0 dBm	25.80 dBm	0.86 dB	
2800.11 MHz	16.0 dBm	20.23 dBm	0.57 dB	
5000.11 MHz	15.0 dBm	20.19 dBm	0.62 dB	
13000.11 MHz	15.0 dBm	18.03 dBm	0.59 dB	
17999.81 MHz	10.0 dBm	19.82 dBm	0.72 dB	
28000.11 MHz	10.0 dBm	21.94 dBm	0.98 dB	
36500.11 MHz	10.0 dBm	16.32 dBm	0.88 dB	
41500.11 MHz	10.0 dBm	22.97 dBm	1.9 dB	

Response To Pulses (Peak, Ave, RMS) Passed

Band E Response to Pulses (CISPR 16-1-1:2019, Sections 6.4, 7.3.1, 8.3.2)

Detector	Frequency	Minimum	Measured	Maximum	Uncert.	Status
Average	1100.000 MHz	−1.5 dB	−0.35 dB	1.5 dB	0.35 dB	
Peak	1100.000 MHz	−1.5 dB	−0.98 dB	1.5 dB	0.35 dB	
RMS	1100.000 MHz	−1.5 dB	−0.05 dB	1.5 dB	0.35 dB	

Variation With Pulse Repetition Freq (Ave, RMS) Passed

Average Detector Variation to Repetition Frequency (CISPR 16-1-1:2019, Section 7.3.2)

Band	PRF	Minimum	Measured	Maximum	Uncert.	Status
A	10.000 Hz	5.96 dB	7.461 dB	9.96 dB	0.15 dB	
A	100.000 Hz	−14.04 dB	−11.636 dB	−10.04 dB	0.15 dB	
B	100.000 Hz	11.98 dB	13.921 dB	15.98 dB	0.12 dB	
B	1000.000 Hz	−8.02 dB	−6.023 dB	−4.02 dB	0.12 dB	
C/D	1000.000 Hz	11.98 dB	13.864 dB	15.98 dB	0.12 dB	
C/D	10000.000 Hz	−8.02 dB	−6.007 dB	−4.02 dB	0.12 dB	
E	10000.000 Hz	11.98 dB	13.507 dB	15.98 dB	0.12 dB	
E	100000.000 Hz	−8.02 dB	−5.972 dB	−4.02 dB	0.12 dB	

RMS Detector Variation to Repetition Frequency (CISPR 16-1-1:2019, Section 8.3.3)

Band	PRF	Minimum	Measured	Maximum	Uncert.	Status
A	5.000 Hz	8.30 dB	9.443 dB	9.70 dB	0.14 dB	
A	10.000 Hz	3.60 dB	4.006 dB	4.40 dB	0.14 dB	
A	100.000 Hz	−6.60 dB	−6.011 dB	−5.40 dB	0.14 dB	
B	5.000 Hz	22.70 dB	25.362 dB	27.30 dB	0.12 dB	
B	10.000 Hz	18.00 dB	19.890 dB	22.00 dB	0.12 dB	
B	25.000 Hz	14.40 dB	15.950 dB	17.60 dB	0.12 dB	
B	31.646 Hz	13.50 dB	14.889 dB	16.50 dB	0.12 dB	
B	100.000 Hz	9.00 dB	10.000 dB	11.00 dB	0.12 dB	
B	316.456 Hz	4.50 dB	4.997 dB	5.50 dB	0.12 dB	
C	100.000 Hz	9.00 dB	10.044 dB	11.00 dB	0.12 dB	
C	316.456 Hz	4.50 dB	5.028 dB	5.50 dB	0.12 dB	
C	10000.000 Hz	−11.00 dB	−10.016 dB	−9.00 dB	0.12 dB	
D	100.000 Hz	9.00 dB	10.050 dB	11.00 dB	0.12 dB	
D	316.456 Hz	4.50 dB	5.032 dB	5.50 dB	0.12 dB	
D	10000.000 Hz	−11.00 dB	−10.008 dB	−9.00 dB	0.12 dB	
E	316.456 Hz	9.00 dB	9.621 dB	11.00 dB	0.12 dB	
E	10000.000 Hz	−11.00 dB	−10.044 dB	−9.00 dB	0.12 dB	
E	100000.000 Hz	−22.00 dB	−20.101 dB	−18.00 dB	0.12 dB	

Response To Intermittent Disturbances (Ave, RMS) Passed

Average Detector Response to Intermittent Pulses (CISPR 16-1-1:2019, Section 7.3.3)

Band	Frequency	Minimum	Measured	Maximum	Uncert.	Status
A	0.125 MHz	−10.0 dB	−9.00 dB	−8.0 dB	0.12 dB	
B	10.000 MHz	−10.0 dB	−9.00 dB	−8.0 dB	0.12 dB	
C/D	100.000 MHz	−10.0 dB	−9.00 dB	−8.0 dB	0.12 dB	
E	1100.000 MHz	−10.0 dB	−8.99 dB	−8.0 dB	0.12 dB	

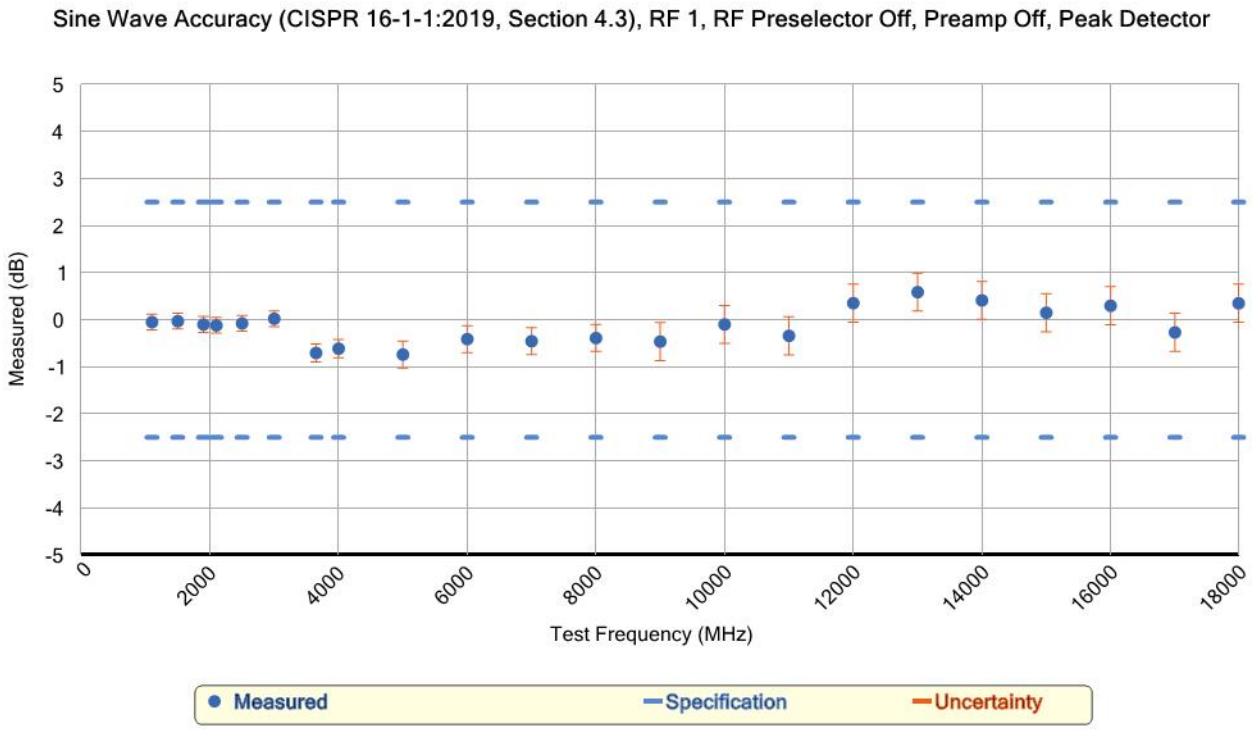
RMS Detector Response to Intermittent Pulses (CISPR 16-1-1:2019, Section 8.3.4)

Band	Frequency	Minimum	Measured	Maximum	Uncert.	Status
A	0.125 MHz	−8.9 dB	−7.76 dB	−6.9 dB	0.12 dB	

Response To Intermittent Disturbances (Ave, RMS) (cont.)

Band	Frequency	Minimum	Measured	Maximum	Uncert.	Status
B	10.000 MHz	−8.9 dB	−7.69 dB	−6.9 dB	0.12 dB	
C/D	100.000 MHz	−10.0 dB	−8.78 dB	−8.0 dB	0.12 dB	
E	1100.000 MHz	−10.0 dB	−8.99 dB	−8.0 dB	0.12 dB	

Radiated Band Sine Wave Accuracy — Passed



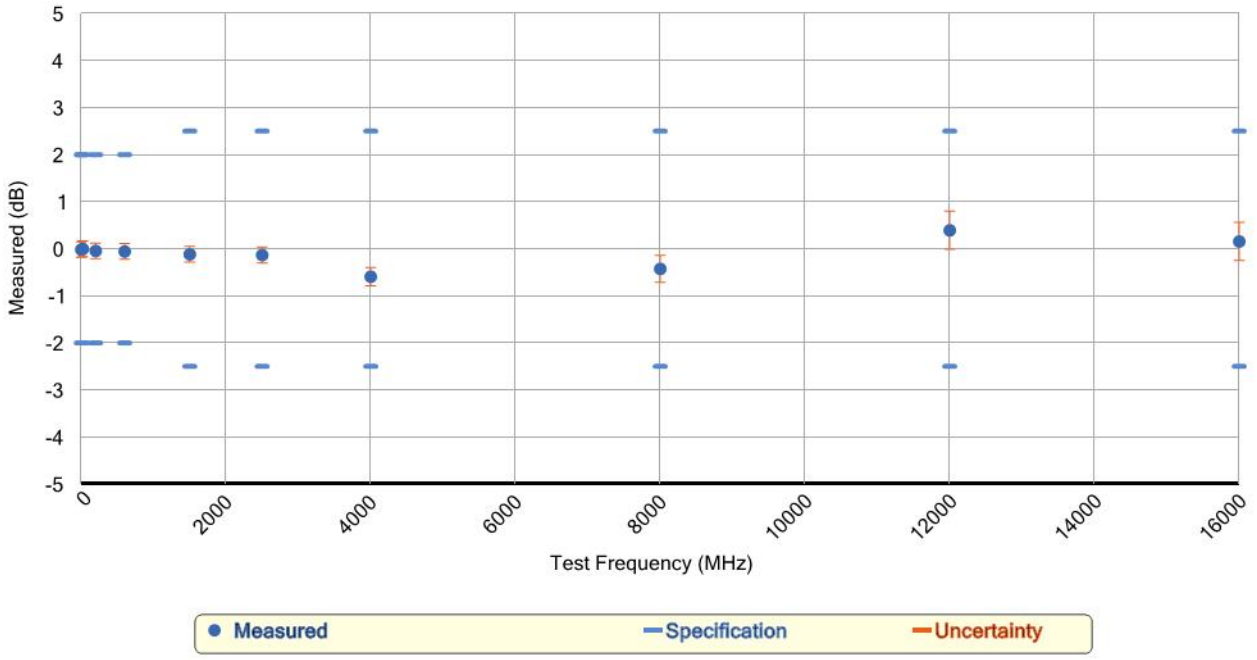
Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector Off, Preamp Off, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
1100.00 MHz	10.00 dB	−2.50 dB	−0.049 dB	2.50 dB	0.17 dB	
1500.00 MHz	10.00 dB	−2.50 dB	−0.030 dB	2.50 dB	0.17 dB	
1900.00 MHz	10.00 dB	−2.50 dB	−0.099 dB	2.50 dB	0.17 dB	
2100.00 MHz	10.00 dB	−2.50 dB	−0.118 dB	2.50 dB	0.17 dB	
2500.00 MHz	10.00 dB	−2.50 dB	−0.075 dB	2.50 dB	0.17 dB	
3000.00 MHz	10.00 dB	−2.50 dB	0.023 dB	2.50 dB	0.17 dB	
3650.00 MHz	10.00 dB	−2.50 dB	−0.704 dB	2.50 dB	0.19 dB	
4000.00 MHz	10.00 dB	−2.50 dB	−0.613 dB	2.50 dB	0.19 dB	
5000.00 MHz	10.00 dB	−2.50 dB	−0.738 dB	2.50 dB	0.29 dB	
6000.00 MHz	10.00 dB	−2.50 dB	−0.410 dB	2.50 dB	0.29 dB	
7000.00 MHz	10.00 dB	−2.50 dB	−0.454 dB	2.50 dB	0.29 dB	
8000.00 MHz	10.00 dB	−2.50 dB	−0.387 dB	2.50 dB	0.29 dB	

Radiated Band Sine Wave Accuracy (cont.)

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
9000.00 MHz	10.00 dB	−2.50 dB	−0.463 dB	2.50 dB	0.40 dB	
10000.00 MHz	10.00 dB	−2.50 dB	−0.098 dB	2.50 dB	0.40 dB	
11000.00 MHz	10.00 dB	−2.50 dB	−0.339 dB	2.50 dB	0.40 dB	
12000.00 MHz	10.00 dB	−2.50 dB	0.355 dB	2.50 dB	0.40 dB	
13000.00 MHz	10.00 dB	−2.50 dB	0.589 dB	2.50 dB	0.40 dB	
14000.00 MHz	10.00 dB	−2.50 dB	0.413 dB	2.50 dB	0.40 dB	
15000.00 MHz	10.00 dB	−2.50 dB	0.150 dB	2.50 dB	0.40 dB	
16000.00 MHz	10.00 dB	−2.50 dB	0.299 dB	2.50 dB	0.40 dB	
17000.00 MHz	10.00 dB	−2.50 dB	−0.266 dB	2.50 dB	0.40 dB	
17990.00 MHz	10.00 dB	−2.50 dB	0.352 dB	2.50 dB	0.40 dB	

Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, EMI-Average Detector

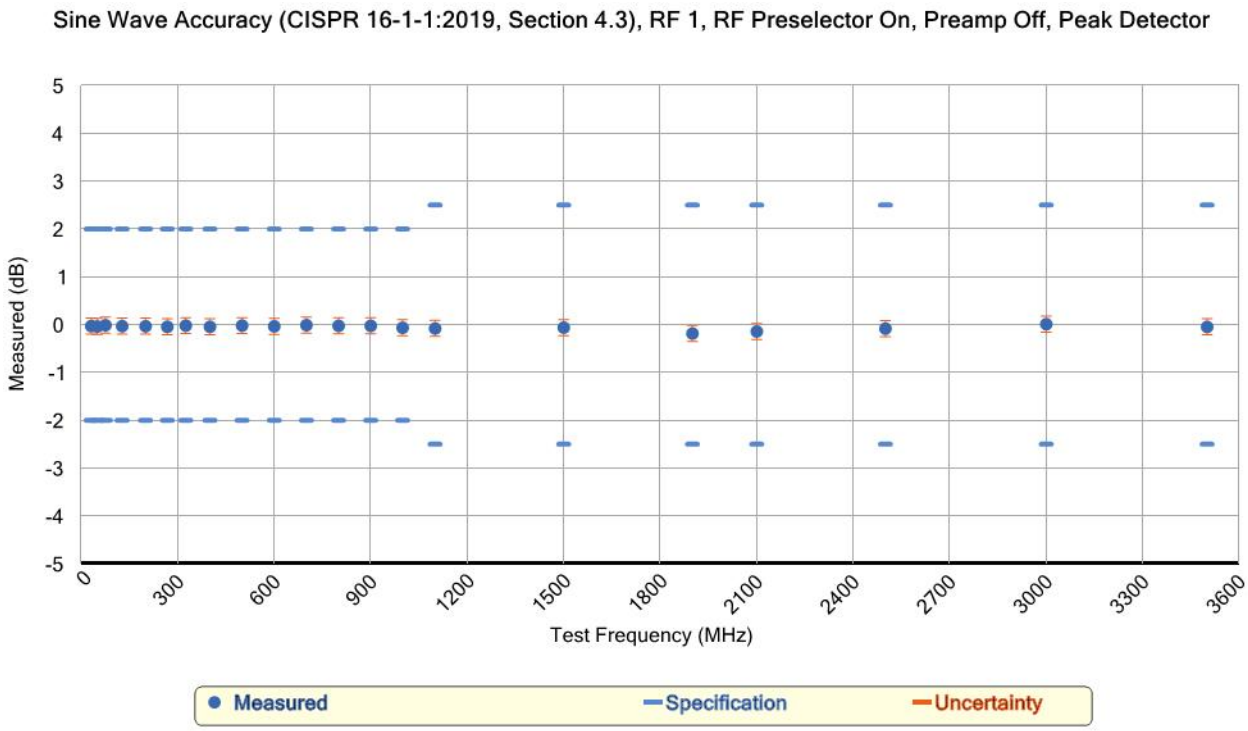


Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, EMI-Average Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.13 MHz	10.00 dB	−2.00 dB	−0.017 dB	2.00 dB	0.17 dB	
20.00 MHz	10.00 dB	−2.00 dB	−0.002 dB	2.00 dB	0.17 dB	
200.00 MHz	10.00 dB	−2.00 dB	−0.045 dB	2.00 dB	0.17 dB	
600.00 MHz	10.00 dB	−2.00 dB	−0.057 dB	2.00 dB	0.17 dB	
1500.00 MHz	10.00 dB	−2.50 dB	−0.116 dB	2.50 dB	0.17 dB	
2500.00 MHz	10.00 dB	−2.50 dB	−0.133 dB	2.50 dB	0.17 dB	
4000.00 MHz	10.00 dB	−2.50 dB	−0.592 dB	2.50 dB	0.19 dB	

Radiated Band Sine Wave Accuracy (cont.)

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
8000.00 MHz	10.00 dB	−2.50 dB	−0.426 dB	2.50 dB	0.29 dB	
12000.00 MHz	10.00 dB	−2.50 dB	0.393 dB	2.50 dB	0.40 dB	
16000.00 MHz	10.00 dB	−2.50 dB	0.155 dB	2.50 dB	0.40 dB	



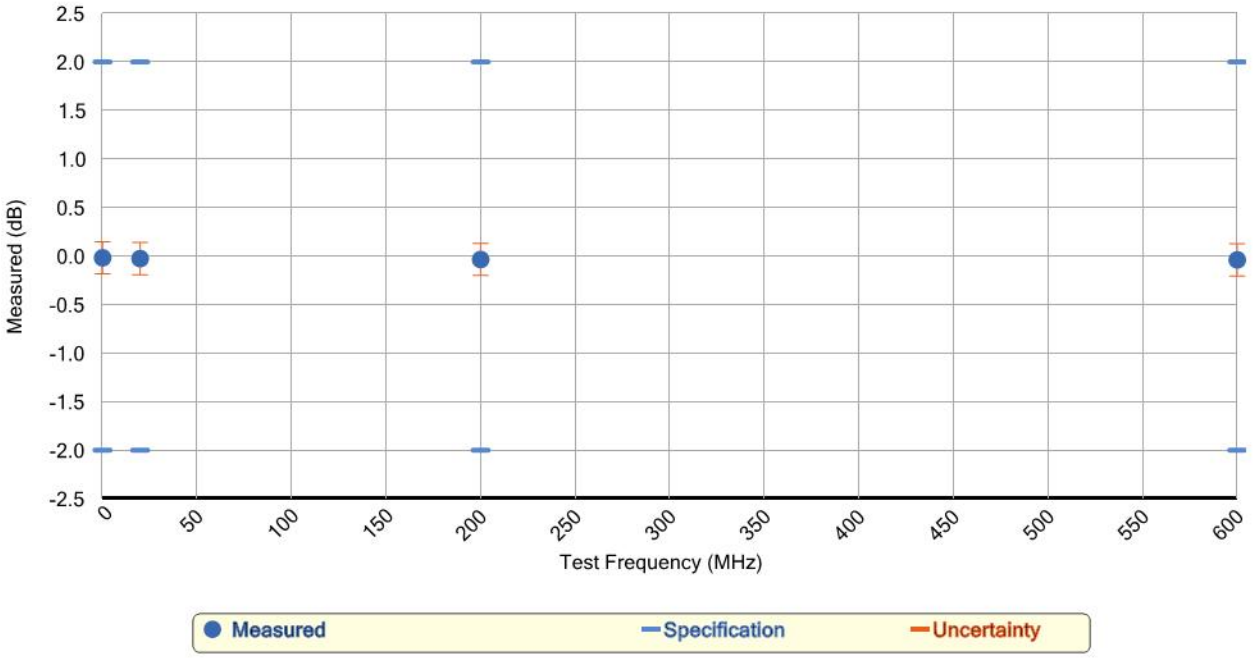
Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
31.00 MHz	10.00 dB	−2.00 dB	−0.029 dB	2.00 dB	0.17 dB	
50.00 MHz	10.00 dB	−2.00 dB	−0.037 dB	2.00 dB	0.17 dB	
75.20 MHz	10.00 dB	−2.00 dB	−0.011 dB	2.00 dB	0.17 dB	
127.00 MHz	10.00 dB	−2.00 dB	−0.031 dB	2.00 dB	0.17 dB	
200.00 MHz	10.00 dB	−2.00 dB	−0.032 dB	2.00 dB	0.17 dB	
267.50 MHz	10.00 dB	−2.00 dB	−0.045 dB	2.00 dB	0.17 dB	
325.00 MHz	10.00 dB	−2.00 dB	−0.019 dB	2.00 dB	0.17 dB	
400.00 MHz	10.00 dB	−2.00 dB	−0.044 dB	2.00 dB	0.17 dB	
500.00 MHz	10.00 dB	−2.00 dB	−0.019 dB	2.00 dB	0.17 dB	
600.00 MHz	10.00 dB	−2.00 dB	−0.035 dB	2.00 dB	0.17 dB	
700.00 MHz	10.00 dB	−2.00 dB	−0.010 dB	2.00 dB	0.17 dB	
800.00 MHz	10.00 dB	−2.00 dB	−0.024 dB	2.00 dB	0.17 dB	
900.00 MHz	10.00 dB	−2.00 dB	−0.025 dB	2.00 dB	0.17 dB	
999.00 MHz	10.00 dB	−2.00 dB	−0.065 dB	2.00 dB	0.17 dB	

Radiated Band Sine Wave Accuracy (cont.)

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
1100.00 MHz	10.00 dB	−2.50 dB	−0.080 dB	2.50 dB	0.17 dB	
1500.00 MHz	10.00 dB	−2.50 dB	−0.062 dB	2.50 dB	0.17 dB	
1900.00 MHz	10.00 dB	−2.50 dB	−0.186 dB	2.50 dB	0.17 dB	
2100.00 MHz	10.00 dB	−2.50 dB	−0.142 dB	2.50 dB	0.17 dB	
2500.00 MHz	10.00 dB	−2.50 dB	−0.083 dB	2.50 dB	0.17 dB	
3000.00 MHz	10.00 dB	−2.50 dB	0.011 dB	2.50 dB	0.17 dB	
3500.00 MHz	10.00 dB	−2.50 dB	−0.046 dB	2.50 dB	0.17 dB	

Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, Quasi-Peak Detector

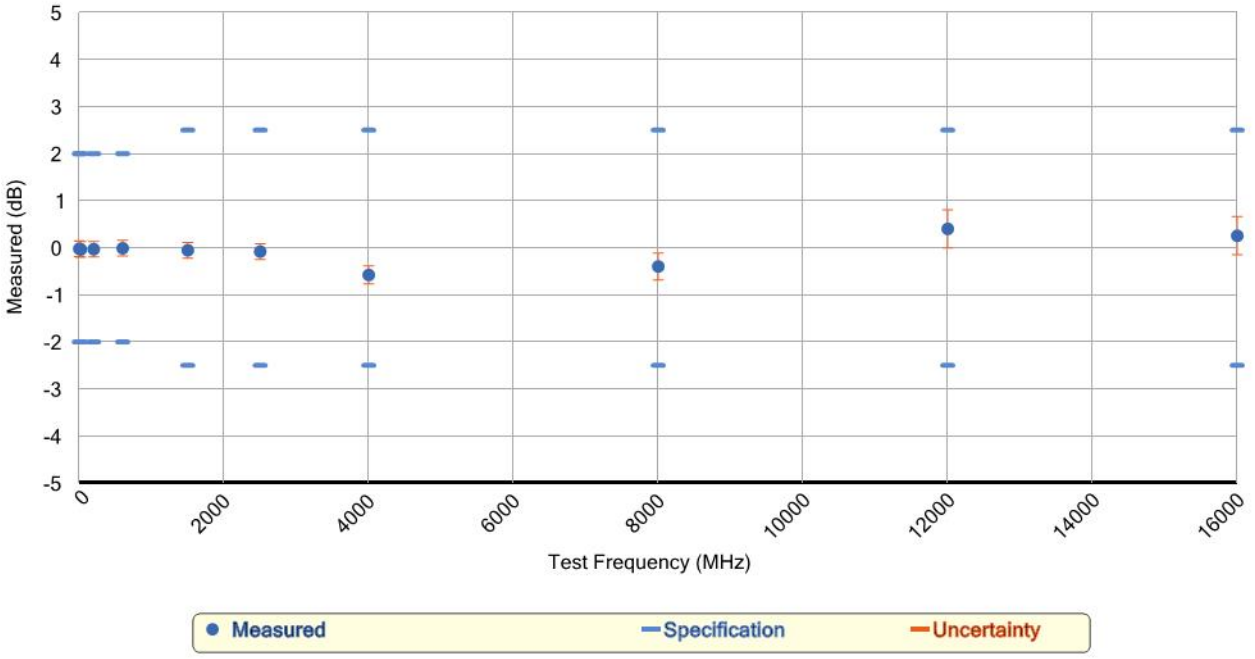


Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, Quasi-Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.13 MHz	10.00 dB	−2.00 dB	−0.018 dB	2.00 dB	0.17 dB	
20.00 MHz	10.00 dB	−2.00 dB	−0.026 dB	2.00 dB	0.17 dB	
200.00 MHz	10.00 dB	−2.00 dB	−0.035 dB	2.00 dB	0.17 dB	
600.00 MHz	10.00 dB	−2.00 dB	−0.039 dB	2.00 dB	0.17 dB	

Radiated Band Sine Wave Accuracy (cont.)

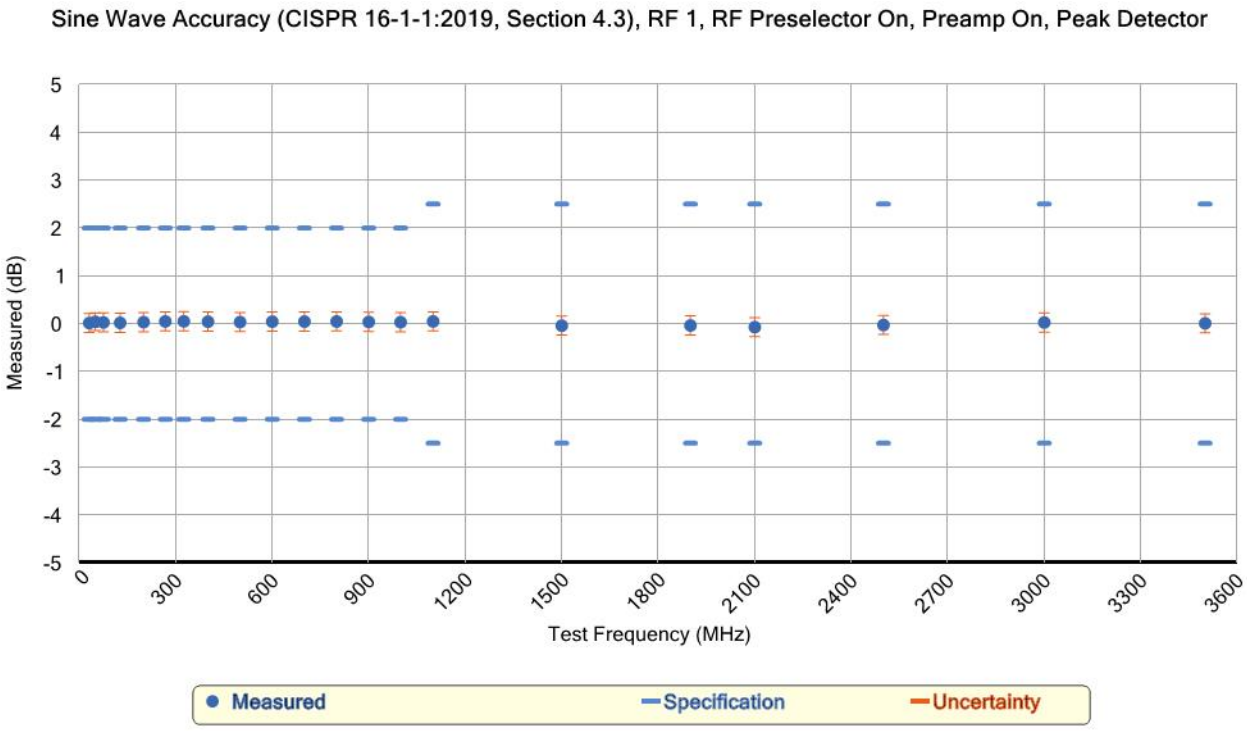
Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, RMS-Average Detector



Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, RMS-Average Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.13 MHz	10.00 dB	−2.00 dB	−0.019 dB	2.00 dB	0.17 dB	
20.00 MHz	10.00 dB	−2.00 dB	−0.035 dB	2.00 dB	0.17 dB	
200.00 MHz	10.00 dB	−2.00 dB	−0.030 dB	2.00 dB	0.17 dB	
600.00 MHz	10.00 dB	−2.00 dB	−0.009 dB	2.00 dB	0.17 dB	
1500.00 MHz	10.00 dB	−2.50 dB	−0.052 dB	2.50 dB	0.17 dB	
2500.00 MHz	10.00 dB	−2.50 dB	−0.079 dB	2.50 dB	0.17 dB	
4000.00 MHz	10.00 dB	−2.50 dB	−0.576 dB	2.50 dB	0.19 dB	
8000.00 MHz	10.00 dB	−2.50 dB	−0.396 dB	2.50 dB	0.29 dB	
12000.00 MHz	10.00 dB	−2.50 dB	0.403 dB	2.50 dB	0.40 dB	
16000.00 MHz	10.00 dB	−2.50 dB	0.257 dB	2.50 dB	0.40 dB	

Radiated Band Sine Wave Accuracy (cont.)

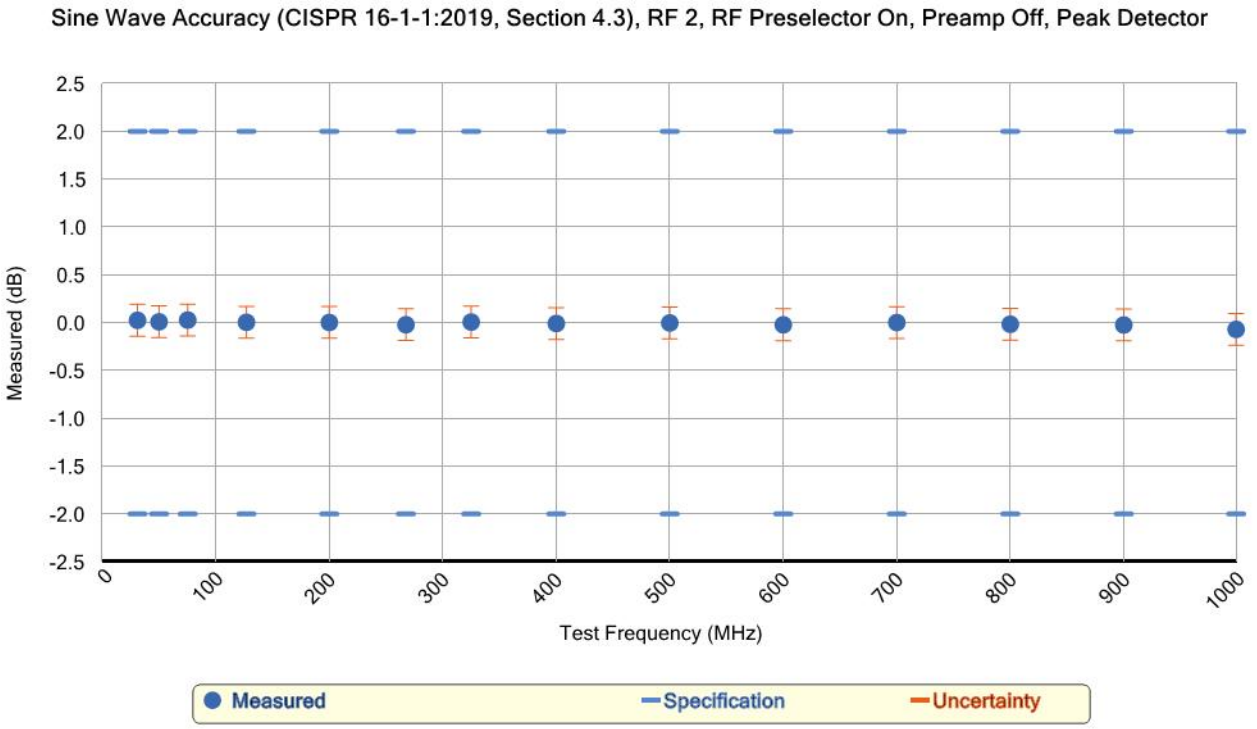


Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp On, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
31.00 MHz	0.00 dB	−2.00 dB	0.014 dB	2.00 dB	0.20 dB	
50.00 MHz	0.00 dB	−2.00 dB	0.039 dB	2.00 dB	0.18 dB	
75.20 MHz	0.00 dB	−2.00 dB	0.026 dB	2.00 dB	0.20 dB	
127.00 MHz	0.00 dB	−2.00 dB	0.018 dB	2.00 dB	0.20 dB	
200.00 MHz	0.00 dB	−2.00 dB	0.032 dB	2.00 dB	0.20 dB	
267.50 MHz	0.00 dB	−2.00 dB	0.047 dB	2.00 dB	0.20 dB	
325.00 MHz	0.00 dB	−2.00 dB	0.049 dB	2.00 dB	0.20 dB	
400.00 MHz	0.00 dB	−2.00 dB	0.042 dB	2.00 dB	0.20 dB	
500.00 MHz	0.00 dB	−2.00 dB	0.034 dB	2.00 dB	0.20 dB	
600.00 MHz	0.00 dB	−2.00 dB	0.042 dB	2.00 dB	0.20 dB	
700.00 MHz	0.00 dB	−2.00 dB	0.044 dB	2.00 dB	0.20 dB	
800.00 MHz	0.00 dB	−2.00 dB	0.046 dB	2.00 dB	0.20 dB	
900.00 MHz	0.00 dB	−2.00 dB	0.036 dB	2.00 dB	0.20 dB	
999.00 MHz	0.00 dB	−2.00 dB	0.031 dB	2.00 dB	0.20 dB	
1100.00 MHz	0.00 dB	−2.50 dB	0.047 dB	2.50 dB	0.20 dB	
1500.00 MHz	0.00 dB	−2.50 dB	−0.041 dB	2.50 dB	0.20 dB	
1900.00 MHz	0.00 dB	−2.50 dB	−0.037 dB	2.50 dB	0.20 dB	
2100.00 MHz	0.00 dB	−2.50 dB	−0.073 dB	2.50 dB	0.20 dB	
2500.00 MHz	0.00 dB	−2.50 dB	−0.028 dB	2.50 dB	0.20 dB	
3000.00 MHz	0.00 dB	−2.50 dB	0.025 dB	2.50 dB	0.20 dB	

Radiated Band Sine Wave Accuracy (cont.)

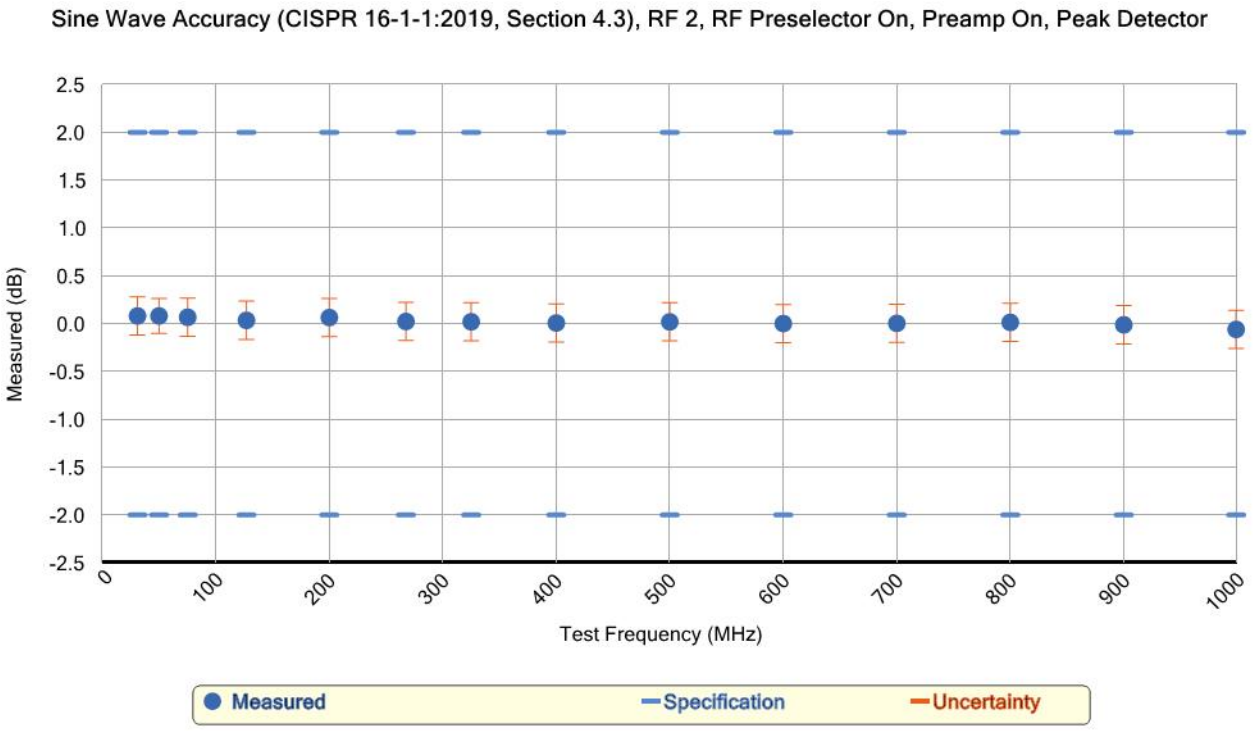
Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
3500.00 MHz	0.00 dB	−2.50 dB	0.008 dB	2.50 dB	0.20 dB	



Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 2, RF Preselector On, Preamp Off, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
31.00 MHz	10.00 dB	−2.00 dB	0.025 dB	2.00 dB	0.17 dB	
50.00 MHz	10.00 dB	−2.00 dB	0.009 dB	2.00 dB	0.17 dB	
75.20 MHz	10.00 dB	−2.00 dB	0.027 dB	2.00 dB	0.17 dB	
127.00 MHz	10.00 dB	−2.00 dB	0.004 dB	2.00 dB	0.17 dB	
200.00 MHz	10.00 dB	−2.00 dB	0.002 dB	2.00 dB	0.17 dB	
267.50 MHz	10.00 dB	−2.00 dB	−0.021 dB	2.00 dB	0.17 dB	
325.00 MHz	10.00 dB	−2.00 dB	0.006 dB	2.00 dB	0.17 dB	
400.00 MHz	10.00 dB	−2.00 dB	−0.009 dB	2.00 dB	0.17 dB	
500.00 MHz	10.00 dB	−2.00 dB	−0.003 dB	2.00 dB	0.17 dB	
600.00 MHz	10.00 dB	−2.00 dB	−0.022 dB	2.00 dB	0.17 dB	
700.00 MHz	10.00 dB	−2.00 dB	0.001 dB	2.00 dB	0.17 dB	
800.00 MHz	10.00 dB	−2.00 dB	−0.016 dB	2.00 dB	0.17 dB	
900.00 MHz	10.00 dB	−2.00 dB	−0.024 dB	2.00 dB	0.17 dB	
999.00 MHz	10.00 dB	−2.00 dB	−0.070 dB	2.00 dB	0.17 dB	

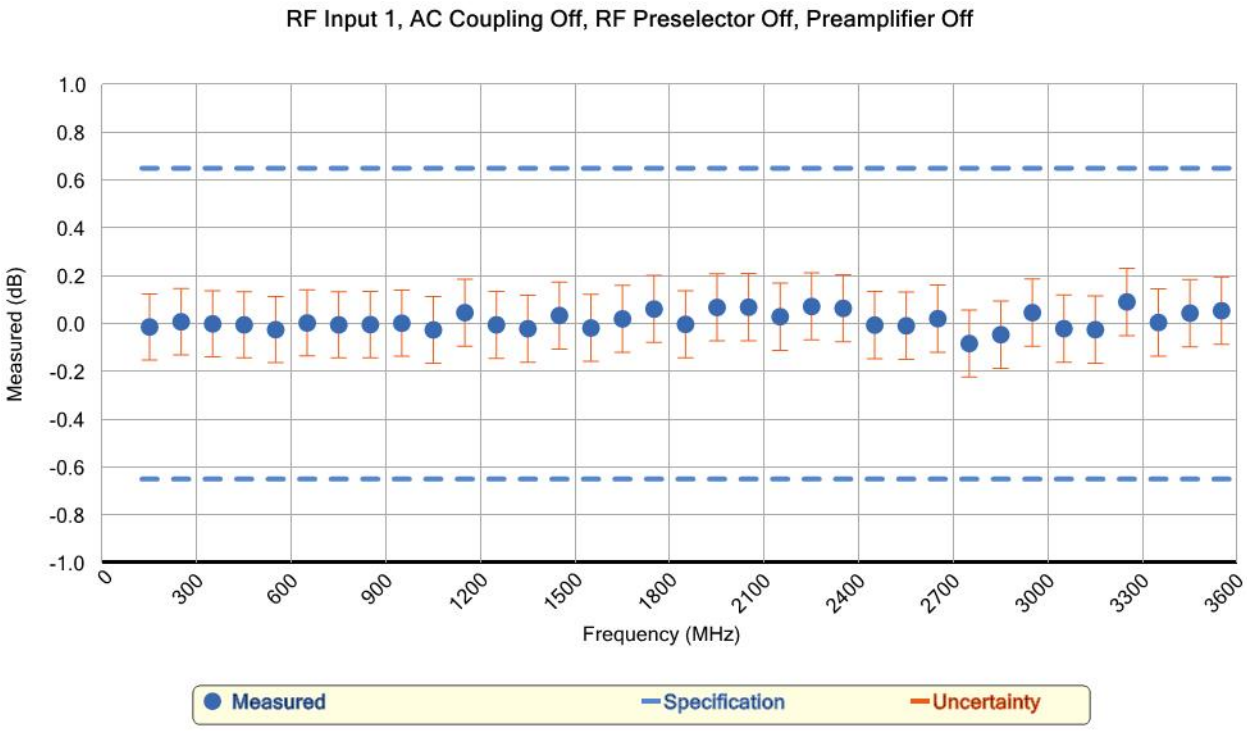
Radiated Band Sine Wave Accuracy (cont.)



Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 2, RF Preselector On, Preamp On, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
31.00 MHz	0.00 dB	−2.00 dB	0.081 dB	2.00 dB	0.20 dB	
50.00 MHz	0.00 dB	−2.00 dB	0.081 dB	2.00 dB	0.18 dB	
75.20 MHz	0.00 dB	−2.00 dB	0.067 dB	2.00 dB	0.20 dB	
127.00 MHz	0.00 dB	−2.00 dB	0.035 dB	2.00 dB	0.20 dB	
200.00 MHz	0.00 dB	−2.00 dB	0.064 dB	2.00 dB	0.20 dB	
267.50 MHz	0.00 dB	−2.00 dB	0.023 dB	2.00 dB	0.20 dB	
325.00 MHz	0.00 dB	−2.00 dB	0.020 dB	2.00 dB	0.20 dB	
400.00 MHz	0.00 dB	−2.00 dB	0.007 dB	2.00 dB	0.20 dB	
500.00 MHz	0.00 dB	−2.00 dB	0.019 dB	2.00 dB	0.20 dB	
600.00 MHz	0.00 dB	−2.00 dB	0.001 dB	2.00 dB	0.20 dB	
700.00 MHz	0.00 dB	−2.00 dB	0.004 dB	2.00 dB	0.20 dB	
800.00 MHz	0.00 dB	−2.00 dB	0.014 dB	2.00 dB	0.20 dB	
900.00 MHz	0.00 dB	−2.00 dB	−0.012 dB	2.00 dB	0.20 dB	
999.00 MHz	0.00 dB	−2.00 dB	−0.060 dB	2.00 dB	0.20 dB	

Freq Resp 50 MHz to 3.6 GHz — Passed

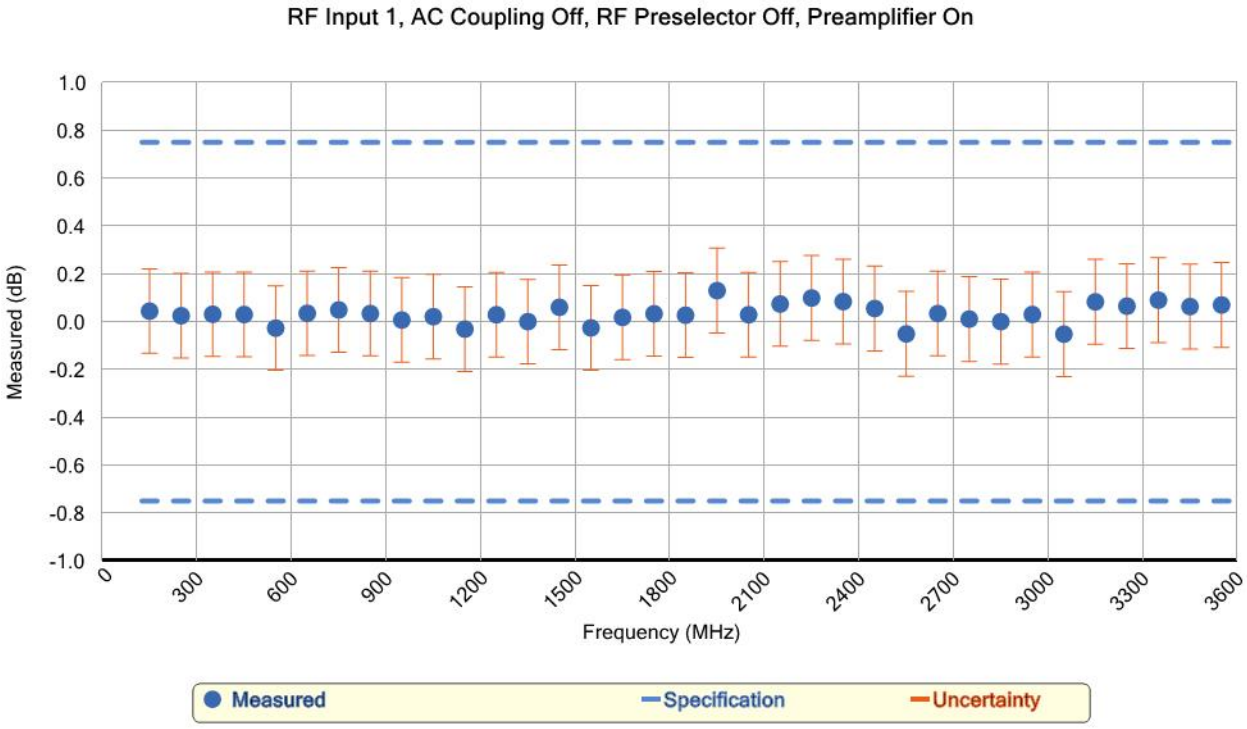


RF Input 1, AC Coupling Off, RF Preselector Off, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.65 dB	−0.014 dB	0.65 dB	0.14 dB	
250.00 MHz	−0.65 dB	0.008 dB	0.65 dB	0.14 dB	
350.00 MHz	−0.65 dB	−0.001 dB	0.65 dB	0.14 dB	
450.00 MHz	−0.65 dB	−0.005 dB	0.65 dB	0.14 dB	
550.00 MHz	−0.65 dB	−0.025 dB	0.65 dB	0.14 dB	
650.00 MHz	−0.65 dB	0.003 dB	0.65 dB	0.14 dB	
750.00 MHz	−0.65 dB	−0.005 dB	0.65 dB	0.14 dB	
850.00 MHz	−0.65 dB	−0.004 dB	0.65 dB	0.14 dB	
950.00 MHz	−0.65 dB	0.002 dB	0.65 dB	0.14 dB	
1050.00 MHz	−0.65 dB	−0.026 dB	0.65 dB	0.14 dB	
1150.00 MHz	−0.65 dB	0.046 dB	0.65 dB	0.14 dB	
1250.00 MHz	−0.65 dB	−0.005 dB	0.65 dB	0.14 dB	
1350.00 MHz	−0.65 dB	−0.021 dB	0.65 dB	0.14 dB	
1450.00 MHz	−0.65 dB	0.034 dB	0.65 dB	0.14 dB	
1550.00 MHz	−0.65 dB	−0.018 dB	0.65 dB	0.14 dB	
1650.00 MHz	−0.65 dB	0.020 dB	0.65 dB	0.14 dB	
1750.00 MHz	−0.65 dB	0.061 dB	0.65 dB	0.14 dB	
1850.00 MHz	−0.65 dB	−0.003 dB	0.65 dB	0.14 dB	

Freq Resp 50 MHz to 3.6 GHz (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
1950.00 MHz	−0.65 dB	0.068 dB	0.65 dB	0.14 dB	
2050.00 MHz	−0.65 dB	0.069 dB	0.65 dB	0.14 dB	
2150.00 MHz	−0.65 dB	0.029 dB	0.65 dB	0.14 dB	
2250.00 MHz	−0.65 dB	0.072 dB	0.65 dB	0.14 dB	
2350.00 MHz	−0.65 dB	0.064 dB	0.65 dB	0.14 dB	
2450.00 MHz	−0.65 dB	−0.006 dB	0.65 dB	0.14 dB	
2550.00 MHz	−0.65 dB	−0.009 dB	0.65 dB	0.14 dB	
2650.00 MHz	−0.65 dB	0.021 dB	0.65 dB	0.14 dB	
2750.00 MHz	−0.65 dB	−0.083 dB	0.65 dB	0.14 dB	
2850.00 MHz	−0.65 dB	−0.046 dB	0.65 dB	0.14 dB	
2950.00 MHz	−0.65 dB	0.046 dB	0.65 dB	0.14 dB	
3050.00 MHz	−0.65 dB	−0.021 dB	0.65 dB	0.14 dB	
3150.00 MHz	−0.65 dB	−0.025 dB	0.65 dB	0.14 dB	
3250.00 MHz	−0.65 dB	0.091 dB	0.65 dB	0.14 dB	
3350.00 MHz	−0.65 dB	0.005 dB	0.65 dB	0.14 dB	
3450.00 MHz	−0.65 dB	0.044 dB	0.65 dB	0.14 dB	
3550.00 MHz	−0.65 dB	0.054 dB	0.65 dB	0.14 dB	



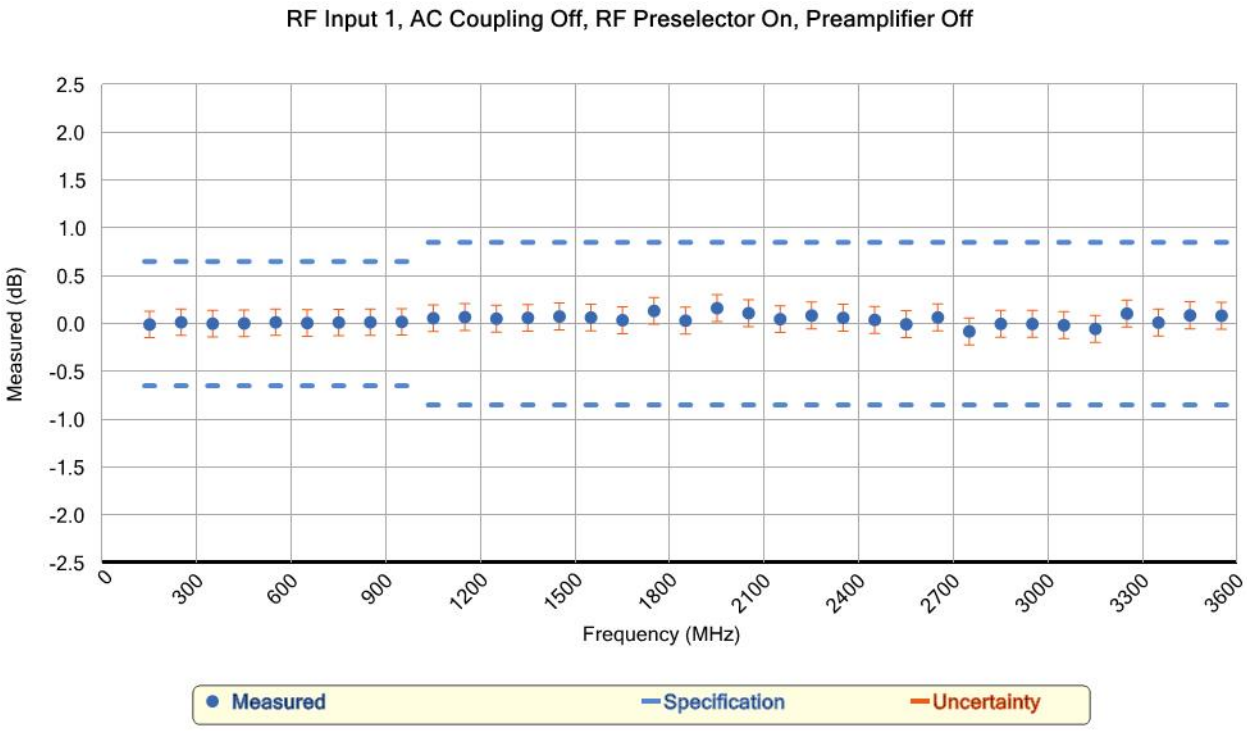
RF Input 1, AC Coupling Off, RF Preselector Off, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.75 dB	0.044 dB	0.75 dB	0.18 dB	
250.00 MHz	−0.75 dB	0.025 dB	0.75 dB	0.18 dB	

Freq Resp 50 MHz to 3.6 GHz (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
350.00 MHz	−0.75 dB	0.031 dB	0.75 dB	0.18 dB	
450.00 MHz	−0.75 dB	0.030 dB	0.75 dB	0.18 dB	
550.00 MHz	−0.75 dB	−0.027 dB	0.75 dB	0.18 dB	
650.00 MHz	−0.75 dB	0.035 dB	0.75 dB	0.18 dB	
750.00 MHz	−0.75 dB	0.049 dB	0.75 dB	0.18 dB	
850.00 MHz	−0.75 dB	0.034 dB	0.75 dB	0.18 dB	
950.00 MHz	−0.75 dB	0.007 dB	0.75 dB	0.18 dB	
1050.00 MHz	−0.75 dB	0.021 dB	0.75 dB	0.18 dB	
1150.00 MHz	−0.75 dB	−0.031 dB	0.75 dB	0.18 dB	
1250.00 MHz	−0.75 dB	0.029 dB	0.75 dB	0.18 dB	
1350.00 MHz	−0.75 dB	0.000 dB	0.75 dB	0.18 dB	
1450.00 MHz	−0.75 dB	0.060 dB	0.75 dB	0.18 dB	
1550.00 MHz	−0.75 dB	−0.026 dB	0.75 dB	0.18 dB	
1650.00 MHz	−0.75 dB	0.018 dB	0.75 dB	0.18 dB	
1750.00 MHz	−0.75 dB	0.033 dB	0.75 dB	0.18 dB	
1850.00 MHz	−0.75 dB	0.027 dB	0.75 dB	0.18 dB	
1950.00 MHz	−0.75 dB	0.130 dB	0.75 dB	0.18 dB	
2050.00 MHz	−0.75 dB	0.029 dB	0.75 dB	0.18 dB	
2150.00 MHz	−0.75 dB	0.074 dB	0.75 dB	0.18 dB	
2250.00 MHz	−0.75 dB	0.099 dB	0.75 dB	0.18 dB	
2350.00 MHz	−0.75 dB	0.084 dB	0.75 dB	0.18 dB	
2450.00 MHz	−0.75 dB	0.055 dB	0.75 dB	0.18 dB	
2550.00 MHz	−0.75 dB	−0.051 dB	0.75 dB	0.18 dB	
2650.00 MHz	−0.75 dB	0.034 dB	0.75 dB	0.18 dB	
2750.00 MHz	−0.75 dB	0.011 dB	0.75 dB	0.18 dB	
2850.00 MHz	−0.75 dB	0.000 dB	0.75 dB	0.18 dB	
2950.00 MHz	−0.75 dB	0.030 dB	0.75 dB	0.18 dB	
3050.00 MHz	−0.75 dB	−0.052 dB	0.75 dB	0.18 dB	
3150.00 MHz	−0.75 dB	0.083 dB	0.75 dB	0.18 dB	
3250.00 MHz	−0.75 dB	0.065 dB	0.75 dB	0.18 dB	
3350.00 MHz	−0.75 dB	0.090 dB	0.75 dB	0.18 dB	
3450.00 MHz	−0.75 dB	0.063 dB	0.75 dB	0.18 dB	
3550.00 MHz	−0.75 dB	0.070 dB	0.75 dB	0.18 dB	

Freq Resp 50 MHz to 3.6 GHz (cont.)

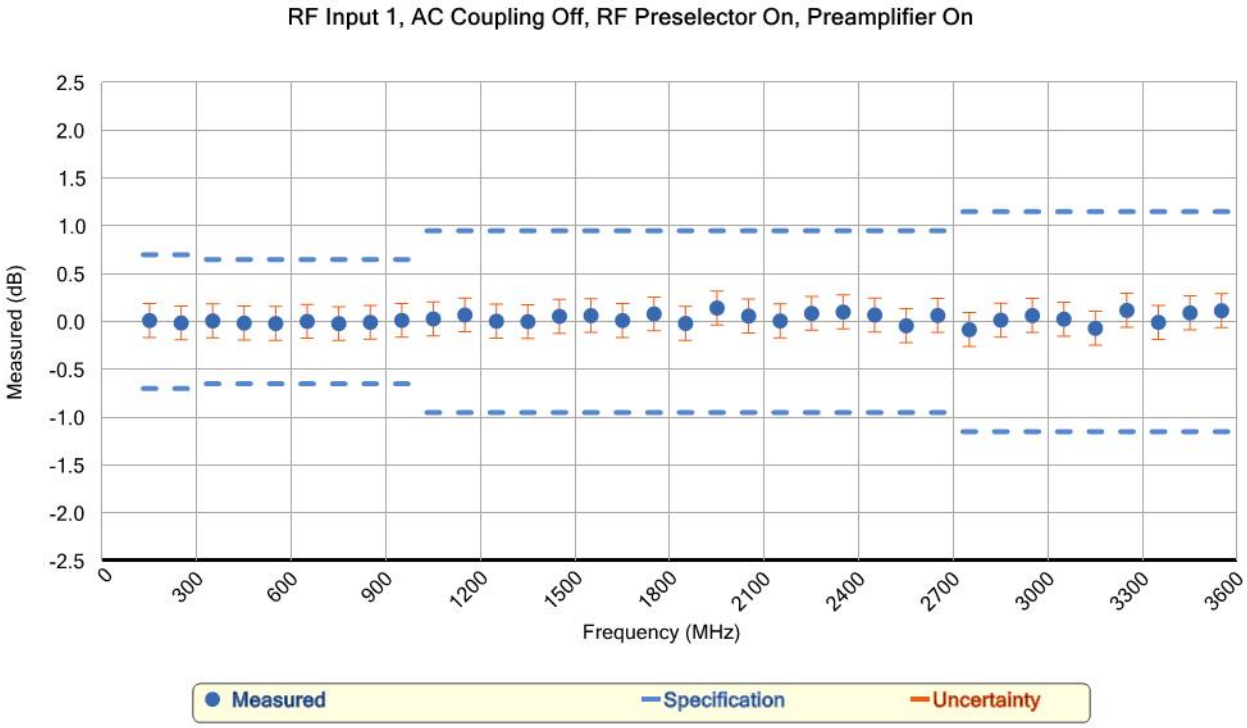


RF Input 1, AC Coupling Off, RF Preselector On, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.65 dB	−0.009 dB	0.65 dB	0.14 dB	
250.00 MHz	−0.65 dB	0.015 dB	0.65 dB	0.14 dB	
350.00 MHz	−0.65 dB	0.000 dB	0.65 dB	0.14 dB	
450.00 MHz	−0.65 dB	0.003 dB	0.65 dB	0.14 dB	
550.00 MHz	−0.65 dB	0.015 dB	0.65 dB	0.14 dB	
650.00 MHz	−0.65 dB	0.007 dB	0.65 dB	0.14 dB	
750.00 MHz	−0.65 dB	0.012 dB	0.65 dB	0.14 dB	
850.00 MHz	−0.65 dB	0.015 dB	0.65 dB	0.14 dB	
950.00 MHz	−0.65 dB	0.019 dB	0.65 dB	0.14 dB	
1050.00 MHz	−0.85 dB	0.057 dB	0.85 dB	0.14 dB	
1150.00 MHz	−0.85 dB	0.068 dB	0.85 dB	0.14 dB	
1250.00 MHz	−0.85 dB	0.052 dB	0.85 dB	0.14 dB	
1350.00 MHz	−0.85 dB	0.061 dB	0.85 dB	0.14 dB	
1450.00 MHz	−0.85 dB	0.075 dB	0.85 dB	0.14 dB	
1550.00 MHz	−0.85 dB	0.064 dB	0.85 dB	0.14 dB	
1650.00 MHz	−0.85 dB	0.036 dB	0.85 dB	0.14 dB	
1750.00 MHz	−0.85 dB	0.134 dB	0.85 dB	0.14 dB	
1850.00 MHz	−0.85 dB	0.031 dB	0.85 dB	0.14 dB	
1950.00 MHz	−0.85 dB	0.162 dB	0.85 dB	0.14 dB	
2050.00 MHz	−0.85 dB	0.110 dB	0.85 dB	0.14 dB	
2150.00 MHz	−0.85 dB	0.047 dB	0.85 dB	0.14 dB	

Freq Resp 50 MHz to 3.6 GHz (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
2250.00 MHz	−0.85 dB	0.085 dB	0.85 dB	0.14 dB	
2350.00 MHz	−0.85 dB	0.061 dB	0.85 dB	0.14 dB	
2450.00 MHz	−0.85 dB	0.039 dB	0.85 dB	0.14 dB	
2550.00 MHz	−0.85 dB	−0.006 dB	0.85 dB	0.14 dB	
2650.00 MHz	−0.85 dB	0.065 dB	0.85 dB	0.14 dB	
2750.00 MHz	−0.85 dB	−0.082 dB	0.85 dB	0.14 dB	
2850.00 MHz	−0.85 dB	−0.002 dB	0.85 dB	0.14 dB	
2950.00 MHz	−0.85 dB	−0.003 dB	0.85 dB	0.14 dB	
3050.00 MHz	−0.85 dB	−0.016 dB	0.85 dB	0.14 dB	
3150.00 MHz	−0.85 dB	−0.055 dB	0.85 dB	0.14 dB	
3250.00 MHz	−0.85 dB	0.105 dB	0.85 dB	0.14 dB	
3350.00 MHz	−0.85 dB	0.011 dB	0.85 dB	0.14 dB	
3450.00 MHz	−0.85 dB	0.087 dB	0.85 dB	0.14 dB	
3550.00 MHz	−0.85 dB	0.083 dB	0.85 dB	0.14 dB	



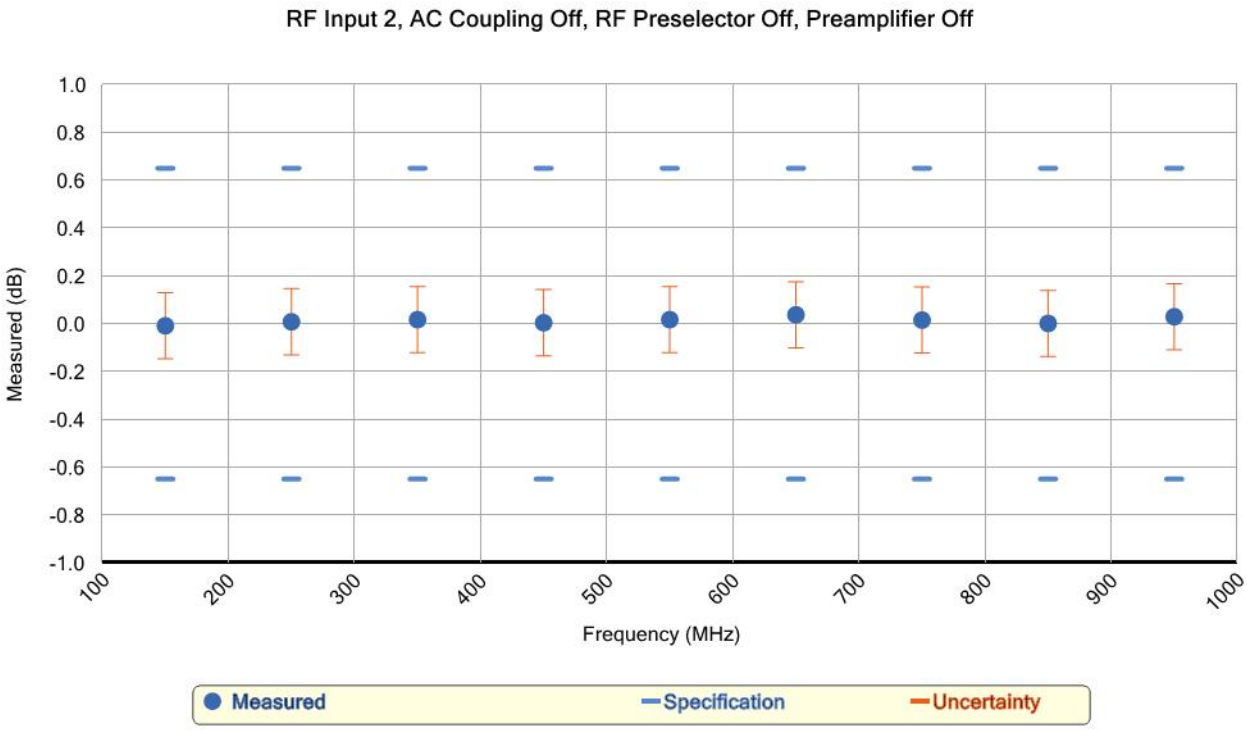
RF Input 1, AC Coupling Off, RF Preselector On, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.70 dB	0.012 dB	0.70 dB	0.18 dB	
250.00 MHz	−0.70 dB	−0.014 dB	0.70 dB	0.18 dB	
350.00 MHz	−0.65 dB	0.008 dB	0.65 dB	0.18 dB	
450.00 MHz	−0.65 dB	−0.015 dB	0.65 dB	0.18 dB	
550.00 MHz	−0.65 dB	−0.019 dB	0.65 dB	0.18 dB	

Freq Resp 50 MHz to 3.6 GHz (cont.)

Frequency	Minimum	Measured	Maximum	Uncert.	Status
650.00 MHz	−0.65 dB	0.003 dB	0.65 dB	0.18 dB	
750.00 MHz	−0.65 dB	−0.020 dB	0.65 dB	0.18 dB	
850.00 MHz	−0.65 dB	−0.007 dB	0.65 dB	0.18 dB	
950.00 MHz	−0.65 dB	0.014 dB	0.65 dB	0.18 dB	
1050.00 MHz	−0.95 dB	0.029 dB	0.95 dB	0.18 dB	
1150.00 MHz	−0.95 dB	0.070 dB	0.95 dB	0.18 dB	
1250.00 MHz	−0.95 dB	0.005 dB	0.95 dB	0.18 dB	
1350.00 MHz	−0.95 dB	0.000 dB	0.95 dB	0.18 dB	
1450.00 MHz	−0.95 dB	0.056 dB	0.95 dB	0.18 dB	
1550.00 MHz	−0.95 dB	0.063 dB	0.95 dB	0.18 dB	
1650.00 MHz	−0.95 dB	0.012 dB	0.95 dB	0.18 dB	
1750.00 MHz	−0.95 dB	0.081 dB	0.95 dB	0.18 dB	
1850.00 MHz	−0.95 dB	−0.018 dB	0.95 dB	0.18 dB	
1950.00 MHz	−0.95 dB	0.143 dB	0.95 dB	0.18 dB	
2050.00 MHz	−0.95 dB	0.059 dB	0.95 dB	0.18 dB	
2150.00 MHz	−0.95 dB	0.008 dB	0.95 dB	0.18 dB	
2250.00 MHz	−0.95 dB	0.087 dB	0.95 dB	0.18 dB	
2350.00 MHz	−0.95 dB	0.101 dB	0.95 dB	0.18 dB	
2450.00 MHz	−0.95 dB	0.070 dB	0.95 dB	0.18 dB	
2550.00 MHz	−0.95 dB	−0.042 dB	0.95 dB	0.18 dB	
2650.00 MHz	−0.95 dB	0.065 dB	0.95 dB	0.18 dB	
2750.00 MHz	−1.15 dB	−0.083 dB	1.15 dB	0.18 dB	
2850.00 MHz	−1.15 dB	0.016 dB	1.15 dB	0.18 dB	
2950.00 MHz	−1.15 dB	0.064 dB	1.15 dB	0.18 dB	
3050.00 MHz	−1.15 dB	0.026 dB	1.15 dB	0.18 dB	
3150.00 MHz	−1.15 dB	−0.069 dB	1.15 dB	0.18 dB	
3250.00 MHz	−1.15 dB	0.118 dB	1.15 dB	0.18 dB	
3350.00 MHz	−1.15 dB	−0.007 dB	1.15 dB	0.18 dB	
3450.00 MHz	−1.15 dB	0.092 dB	1.15 dB	0.18 dB	
3550.00 MHz	−1.15 dB	0.114 dB	1.15 dB	0.18 dB	

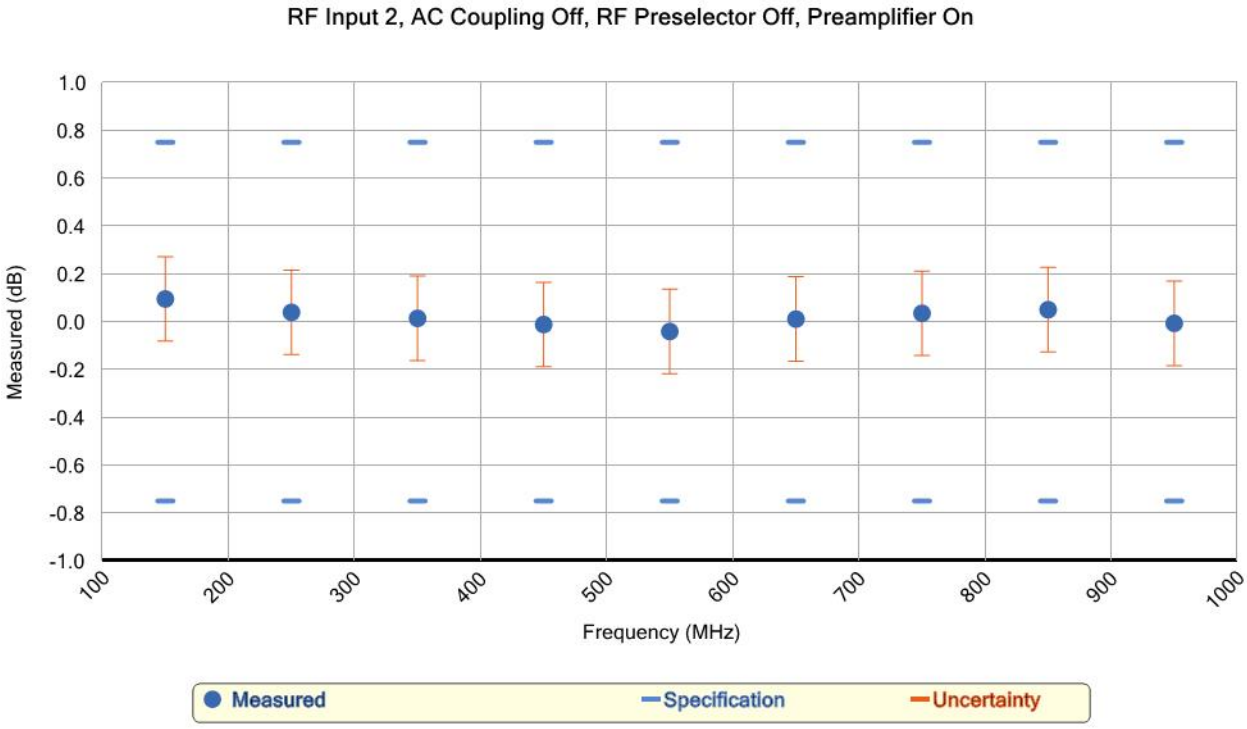
Freq Resp 50 MHz to 3.6 GHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector Off, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.65 dB	−0.009 dB	0.65 dB	0.14 dB	
250.00 MHz	−0.65 dB	0.008 dB	0.65 dB	0.14 dB	
350.00 MHz	−0.65 dB	0.017 dB	0.65 dB	0.14 dB	
450.00 MHz	−0.65 dB	0.004 dB	0.65 dB	0.14 dB	
550.00 MHz	−0.65 dB	0.017 dB	0.65 dB	0.14 dB	
650.00 MHz	−0.65 dB	0.037 dB	0.65 dB	0.14 dB	
750.00 MHz	−0.65 dB	0.015 dB	0.65 dB	0.14 dB	
850.00 MHz	−0.65 dB	0.001 dB	0.65 dB	0.14 dB	
950.00 MHz	−0.65 dB	0.029 dB	0.65 dB	0.14 dB	

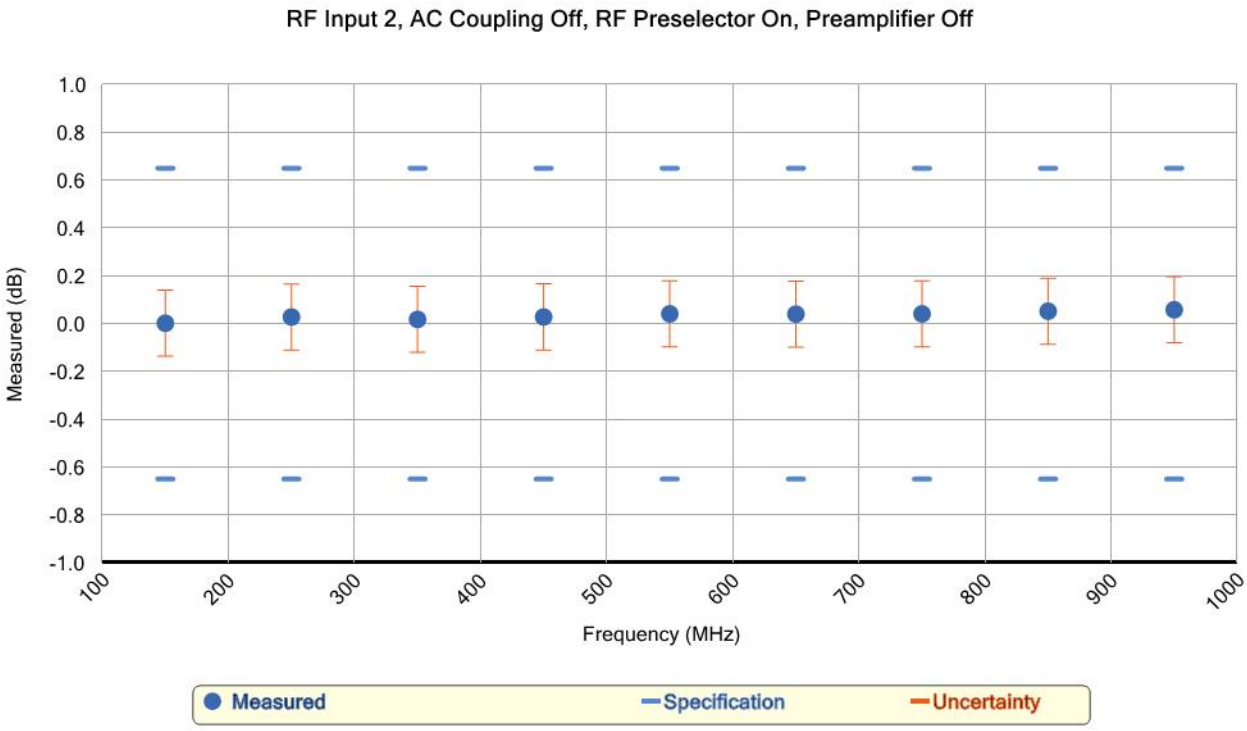
Freq Resp 50 MHz to 3.6 GHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector Off, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.75 dB	0.095 dB	0.75 dB	0.18 dB	
250.00 MHz	−0.75 dB	0.039 dB	0.75 dB	0.18 dB	
350.00 MHz	−0.75 dB	0.014 dB	0.75 dB	0.18 dB	
450.00 MHz	−0.75 dB	−0.012 dB	0.75 dB	0.18 dB	
550.00 MHz	−0.75 dB	−0.041 dB	0.75 dB	0.18 dB	
650.00 MHz	−0.75 dB	0.011 dB	0.75 dB	0.18 dB	
750.00 MHz	−0.75 dB	0.035 dB	0.75 dB	0.18 dB	
850.00 MHz	−0.75 dB	0.050 dB	0.75 dB	0.18 dB	
950.00 MHz	−0.75 dB	−0.007 dB	0.75 dB	0.18 dB	

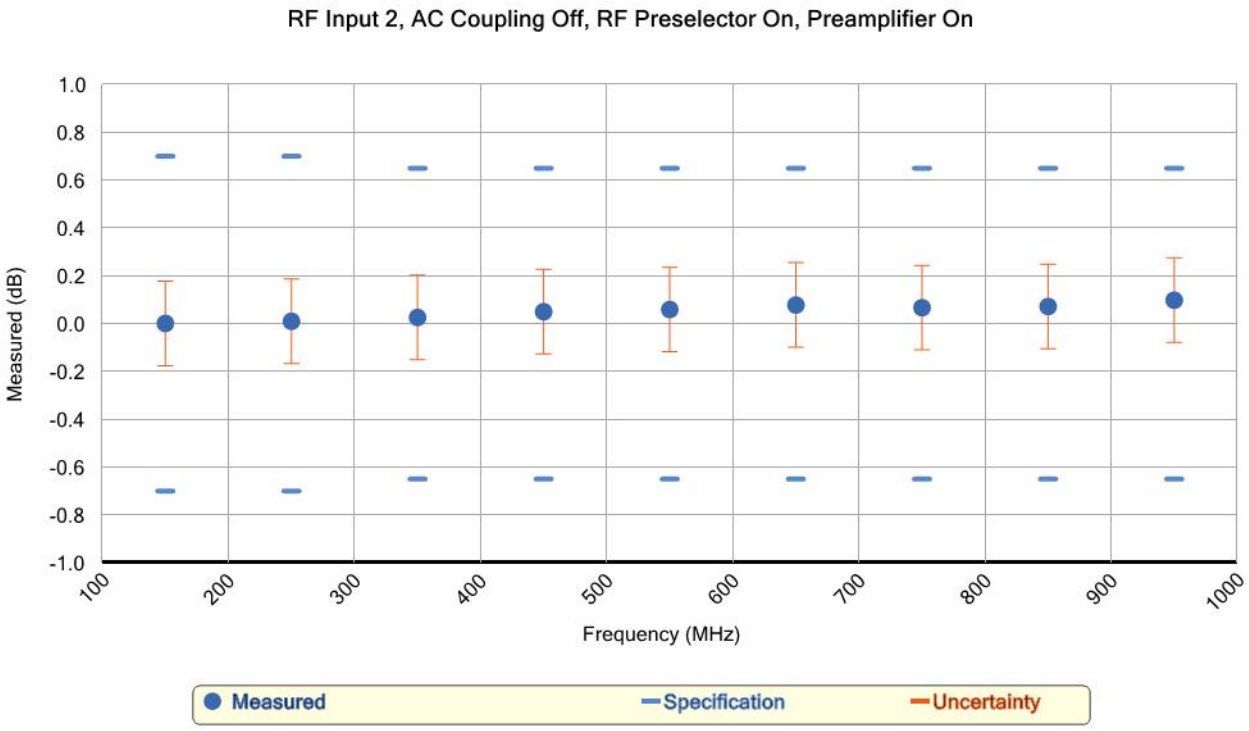
Freq Resp 50 MHz to 3.6 GHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector On, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.65 dB	0.002 dB	0.65 dB	0.14 dB	
250.00 MHz	−0.65 dB	0.028 dB	0.65 dB	0.14 dB	
350.00 MHz	−0.65 dB	0.018 dB	0.65 dB	0.14 dB	
450.00 MHz	−0.65 dB	0.028 dB	0.65 dB	0.14 dB	
550.00 MHz	−0.65 dB	0.041 dB	0.65 dB	0.14 dB	
650.00 MHz	−0.65 dB	0.040 dB	0.65 dB	0.14 dB	
750.00 MHz	−0.65 dB	0.041 dB	0.65 dB	0.14 dB	
850.00 MHz	−0.65 dB	0.052 dB	0.65 dB	0.14 dB	
950.00 MHz	−0.65 dB	0.058 dB	0.65 dB	0.14 dB	

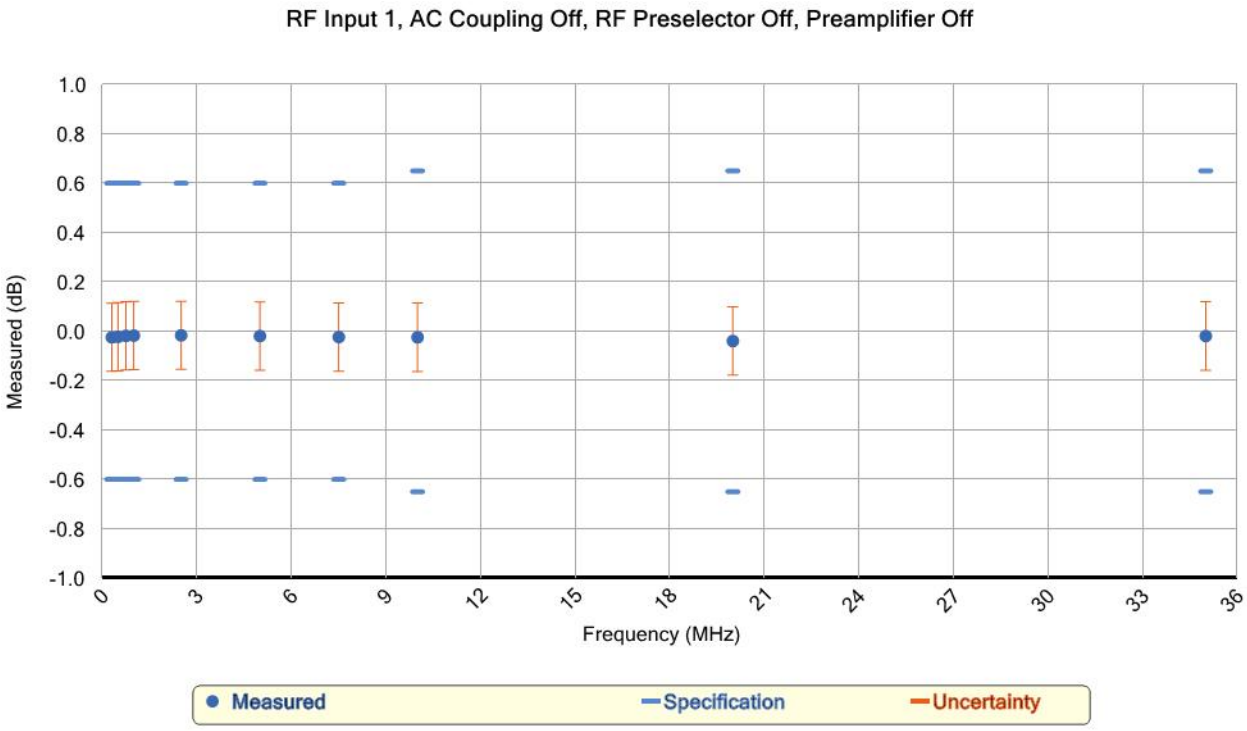
Freq Resp 50 MHz to 3.6 GHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector On, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
150.00 MHz	−0.70 dB	0.001 dB	0.70 dB	0.18 dB	
250.00 MHz	−0.70 dB	0.010 dB	0.70 dB	0.18 dB	
350.00 MHz	−0.65 dB	0.026 dB	0.65 dB	0.18 dB	
450.00 MHz	−0.65 dB	0.050 dB	0.65 dB	0.18 dB	
550.00 MHz	−0.65 dB	0.059 dB	0.65 dB	0.18 dB	
650.00 MHz	−0.65 dB	0.078 dB	0.65 dB	0.18 dB	
750.00 MHz	−0.65 dB	0.067 dB	0.65 dB	0.18 dB	
850.00 MHz	−0.65 dB	0.072 dB	0.65 dB	0.18 dB	
950.00 MHz	−0.65 dB	0.098 dB	0.65 dB	0.18 dB	

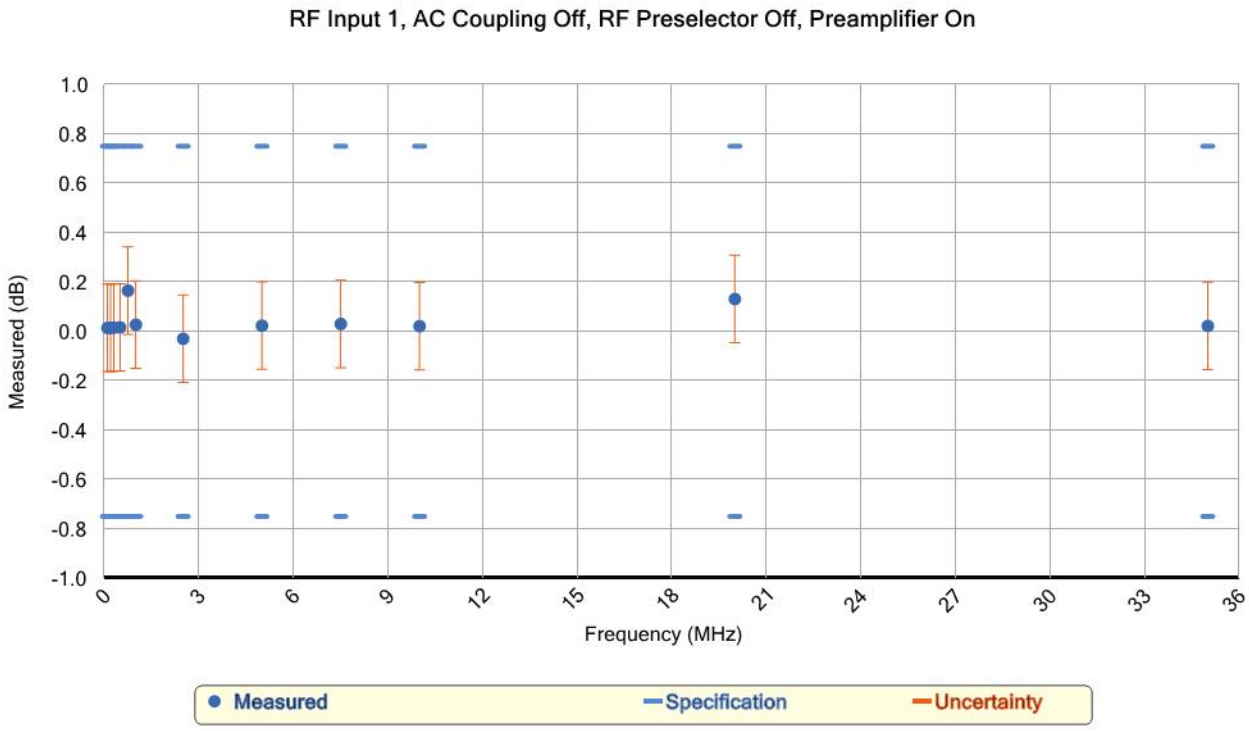
Freq Resp 9 kHz to 50 MHz **Passed**



RF Input 1, AC Coupling Off, RF Preselector Off, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.300 MHz	−0.60 dB	−0.024 dB	0.60 dB	0.14 dB	
0.500 MHz	−0.60 dB	−0.022 dB	0.60 dB	0.14 dB	
0.750 MHz	−0.60 dB	−0.018 dB	0.60 dB	0.14 dB	
1.000 MHz	−0.60 dB	−0.017 dB	0.60 dB	0.14 dB	
2.500 MHz	−0.60 dB	−0.016 dB	0.60 dB	0.14 dB	
5.000 MHz	−0.60 dB	−0.019 dB	0.60 dB	0.14 dB	
7.500 MHz	−0.60 dB	−0.023 dB	0.60 dB	0.14 dB	
10.000 MHz	−0.65 dB	−0.024 dB	0.65 dB	0.14 dB	
20.000 MHz	−0.65 dB	−0.039 dB	0.65 dB	0.14 dB	
35.000 MHz	−0.65 dB	−0.019 dB	0.65 dB	0.14 dB	

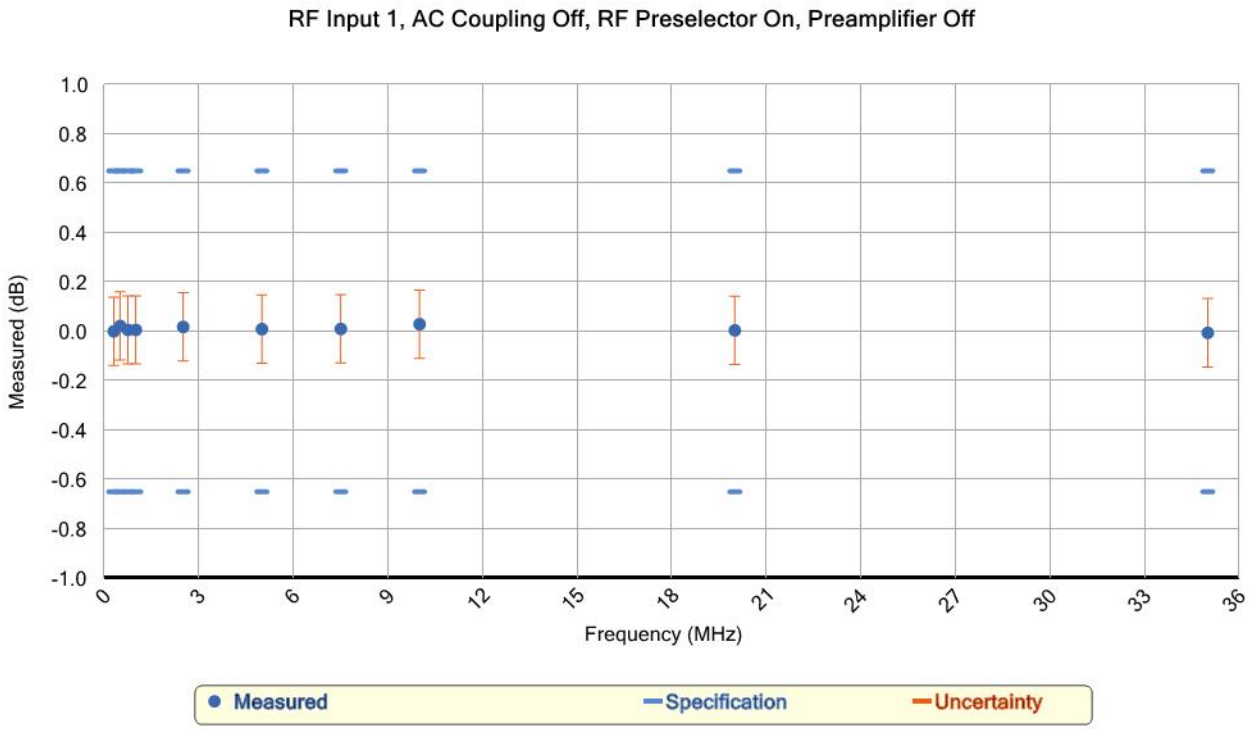
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 1, AC Coupling Off, RF Preselector Off, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.100 MHz	−0.75 dB	0.014 dB	0.75 dB	0.18 dB	
0.200 MHz	−0.75 dB	0.014 dB	0.75 dB	0.18 dB	
0.300 MHz	−0.75 dB	0.015 dB	0.75 dB	0.18 dB	
0.500 MHz	−0.75 dB	0.016 dB	0.75 dB	0.18 dB	
0.750 MHz	−0.75 dB	0.165 dB	0.75 dB	0.18 dB	
1.000 MHz	−0.75 dB	0.027 dB	0.75 dB	0.18 dB	
2.500 MHz	−0.75 dB	−0.030 dB	0.75 dB	0.18 dB	
5.000 MHz	−0.75 dB	0.023 dB	0.75 dB	0.18 dB	
7.500 MHz	−0.75 dB	0.030 dB	0.75 dB	0.18 dB	
10.000 MHz	−0.75 dB	0.021 dB	0.75 dB	0.18 dB	
20.000 MHz	−0.75 dB	0.131 dB	0.75 dB	0.18 dB	
35.000 MHz	−0.75 dB	0.022 dB	0.75 dB	0.18 dB	

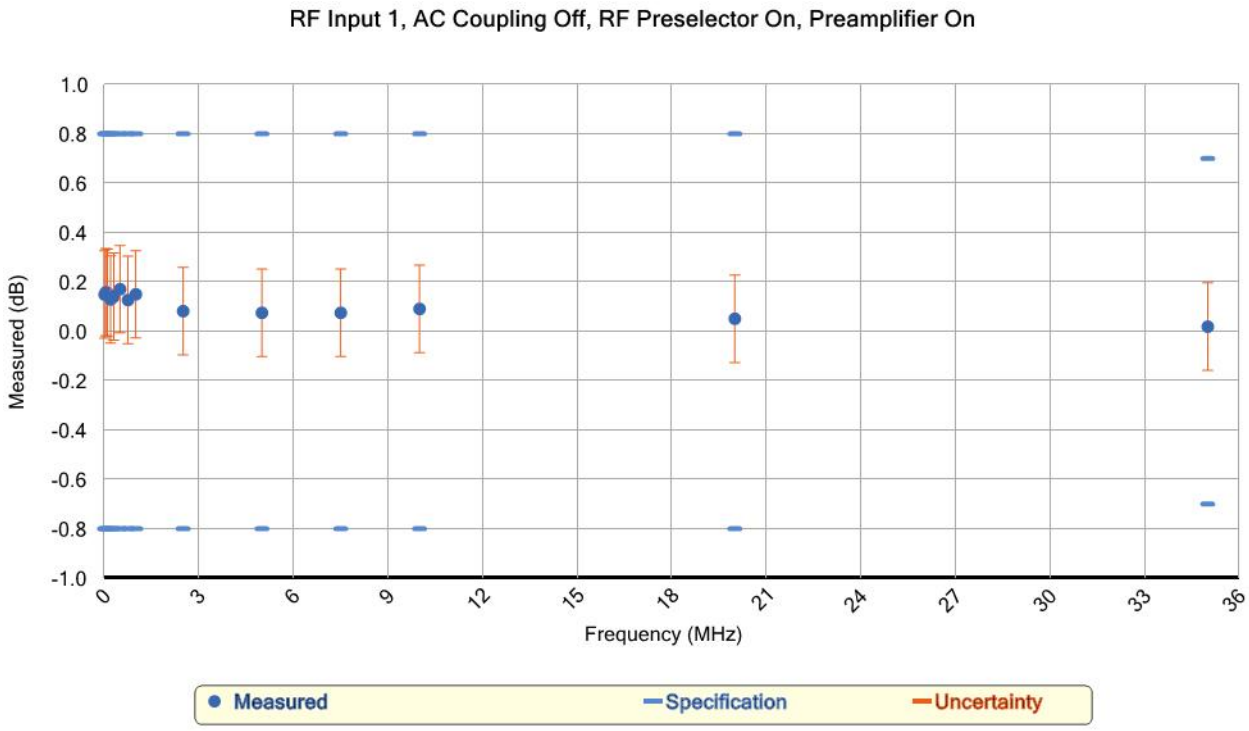
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 1, AC Coupling Off, RF Preselector On, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.300 MHz	−0.65 dB	0.000 dB	0.65 dB	0.14 dB	
0.500 MHz	−0.65 dB	0.022 dB	0.65 dB	0.14 dB	
0.750 MHz	−0.65 dB	0.006 dB	0.65 dB	0.14 dB	
1.000 MHz	−0.65 dB	0.006 dB	0.65 dB	0.14 dB	
2.500 MHz	−0.65 dB	0.018 dB	0.65 dB	0.14 dB	
5.000 MHz	−0.65 dB	0.009 dB	0.65 dB	0.14 dB	
7.500 MHz	−0.65 dB	0.010 dB	0.65 dB	0.14 dB	
10.000 MHz	−0.65 dB	0.029 dB	0.65 dB	0.14 dB	
20.000 MHz	−0.65 dB	0.004 dB	0.65 dB	0.14 dB	
35.000 MHz	−0.65 dB	−0.006 dB	0.65 dB	0.14 dB	

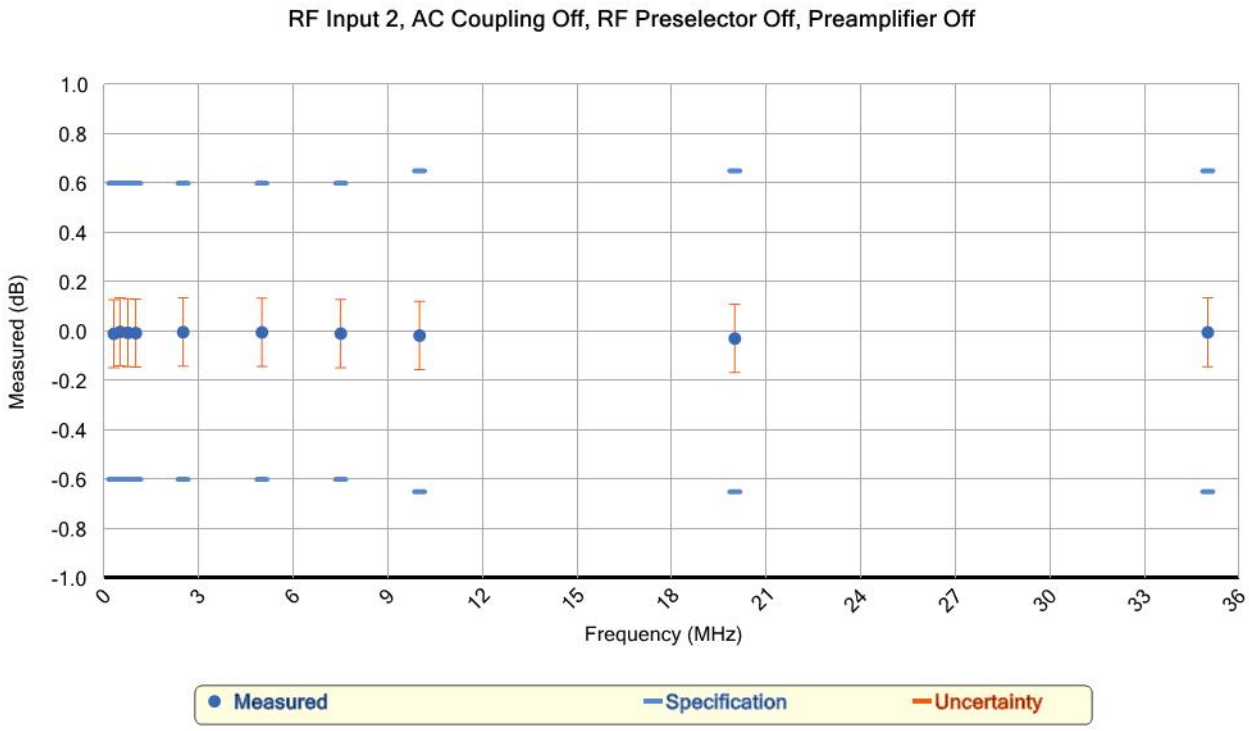
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 1, AC Coupling Off, RF Preselector On, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.009 MHz	−0.80 dB	0.149 dB	0.80 dB	0.18 dB	
0.050 MHz	−0.80 dB	0.159 dB	0.80 dB	0.18 dB	
0.100 MHz	−0.80 dB	0.156 dB	0.80 dB	0.18 dB	
0.200 MHz	−0.80 dB	0.129 dB	0.80 dB	0.18 dB	
0.300 MHz	−0.80 dB	0.141 dB	0.80 dB	0.18 dB	
0.500 MHz	−0.80 dB	0.171 dB	0.80 dB	0.18 dB	
0.750 MHz	−0.80 dB	0.127 dB	0.80 dB	0.18 dB	
1.000 MHz	−0.80 dB	0.150 dB	0.80 dB	0.18 dB	
2.500 MHz	−0.80 dB	0.082 dB	0.80 dB	0.18 dB	
5.000 MHz	−0.80 dB	0.075 dB	0.80 dB	0.18 dB	
7.500 MHz	−0.80 dB	0.075 dB	0.80 dB	0.18 dB	
10.000 MHz	−0.80 dB	0.091 dB	0.80 dB	0.18 dB	
20.000 MHz	−0.80 dB	0.051 dB	0.80 dB	0.18 dB	
35.000 MHz	−0.70 dB	0.019 dB	0.70 dB	0.18 dB	

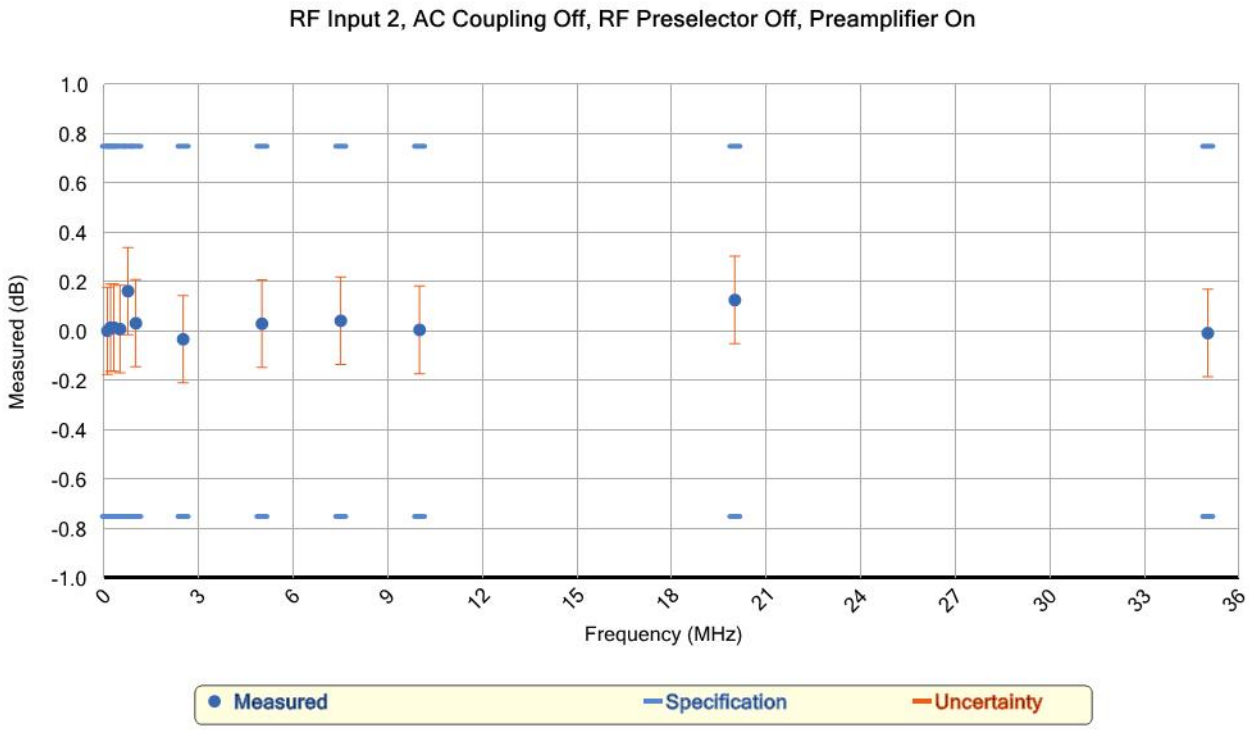
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector Off, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.300 MHz	−0.60 dB	−0.010 dB	0.60 dB	0.14 dB	
0.500 MHz	−0.60 dB	−0.002 dB	0.60 dB	0.14 dB	
0.750 MHz	−0.60 dB	−0.006 dB	0.60 dB	0.14 dB	
1.000 MHz	−0.60 dB	−0.007 dB	0.60 dB	0.14 dB	
2.500 MHz	−0.60 dB	−0.003 dB	0.60 dB	0.14 dB	
5.000 MHz	−0.60 dB	−0.004 dB	0.60 dB	0.14 dB	
7.500 MHz	−0.60 dB	−0.009 dB	0.60 dB	0.14 dB	
10.000 MHz	−0.65 dB	−0.017 dB	0.65 dB	0.14 dB	
20.000 MHz	−0.65 dB	−0.029 dB	0.65 dB	0.14 dB	
35.000 MHz	−0.65 dB	−0.004 dB	0.65 dB	0.14 dB	

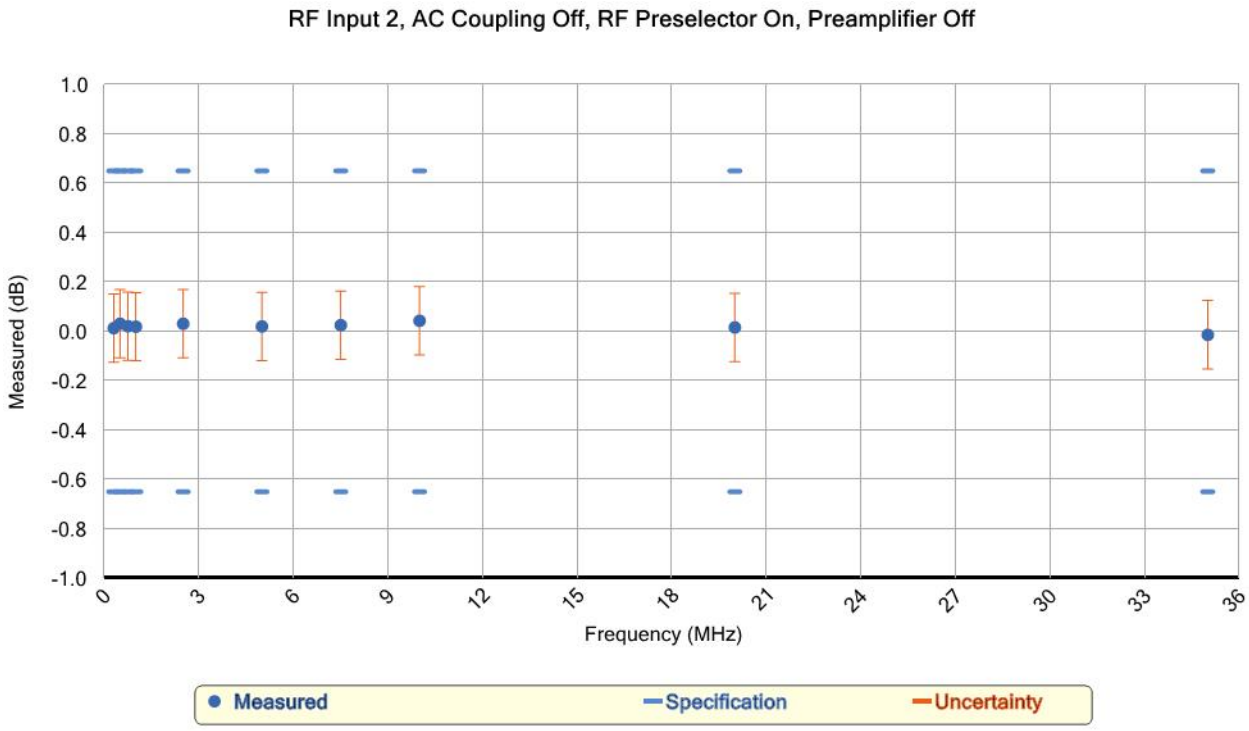
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector Off, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.100 MHz	−0.75 dB	0.002 dB	0.75 dB	0.18 dB	
0.200 MHz	−0.75 dB	0.015 dB	0.75 dB	0.18 dB	
0.300 MHz	−0.75 dB	0.015 dB	0.75 dB	0.18 dB	
0.500 MHz	−0.75 dB	0.009 dB	0.75 dB	0.18 dB	
0.750 MHz	−0.75 dB	0.163 dB	0.75 dB	0.18 dB	
1.000 MHz	−0.75 dB	0.033 dB	0.75 dB	0.18 dB	
2.500 MHz	−0.75 dB	−0.032 dB	0.75 dB	0.18 dB	
5.000 MHz	−0.75 dB	0.031 dB	0.75 dB	0.18 dB	
7.500 MHz	−0.75 dB	0.043 dB	0.75 dB	0.18 dB	
10.000 MHz	−0.75 dB	0.006 dB	0.75 dB	0.18 dB	
20.000 MHz	−0.75 dB	0.127 dB	0.75 dB	0.18 dB	
35.000 MHz	−0.75 dB	−0.007 dB	0.75 dB	0.18 dB	

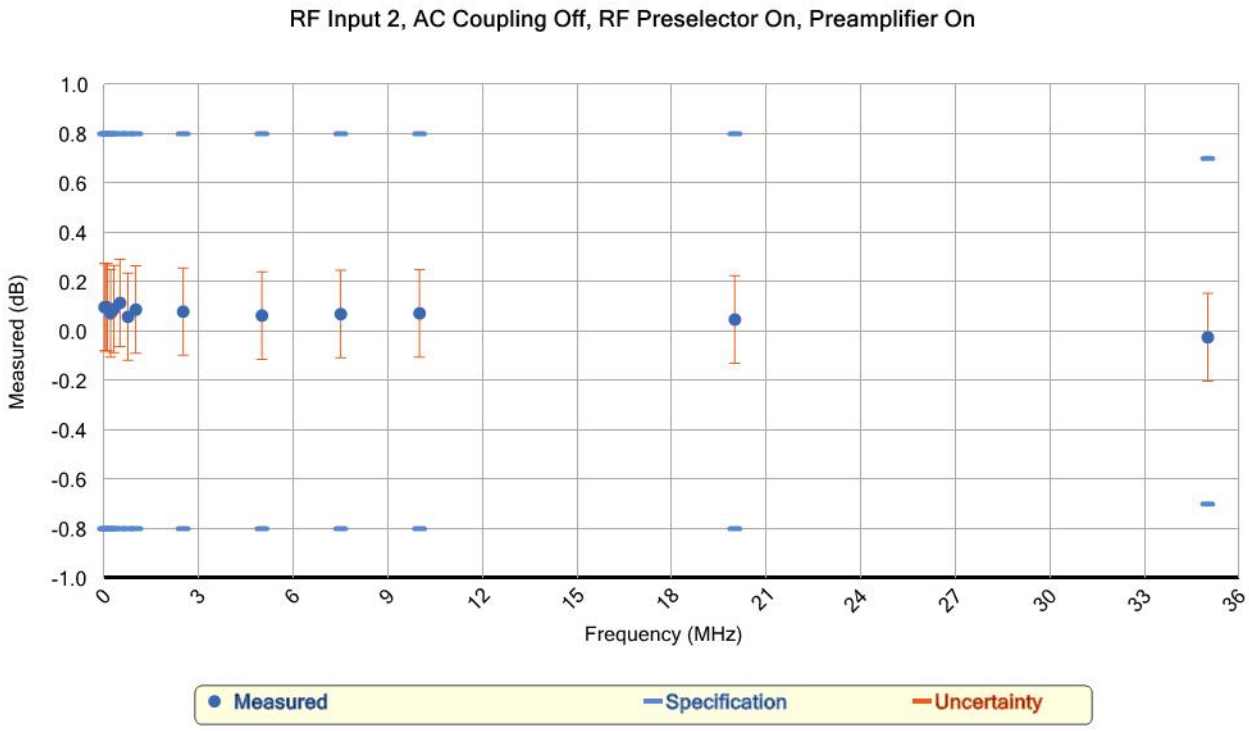
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector On, Preamplifier Off

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.300 MHz	−0.65 dB	0.013 dB	0.65 dB	0.14 dB	
0.500 MHz	−0.65 dB	0.031 dB	0.65 dB	0.14 dB	
0.750 MHz	−0.65 dB	0.021 dB	0.65 dB	0.14 dB	
1.000 MHz	−0.65 dB	0.019 dB	0.65 dB	0.14 dB	
2.500 MHz	−0.65 dB	0.031 dB	0.65 dB	0.14 dB	
5.000 MHz	−0.65 dB	0.020 dB	0.65 dB	0.14 dB	
7.500 MHz	−0.65 dB	0.025 dB	0.65 dB	0.14 dB	
10.000 MHz	−0.65 dB	0.043 dB	0.65 dB	0.14 dB	
20.000 MHz	−0.65 dB	0.016 dB	0.65 dB	0.14 dB	
35.000 MHz	−0.65 dB	−0.014 dB	0.65 dB	0.14 dB	

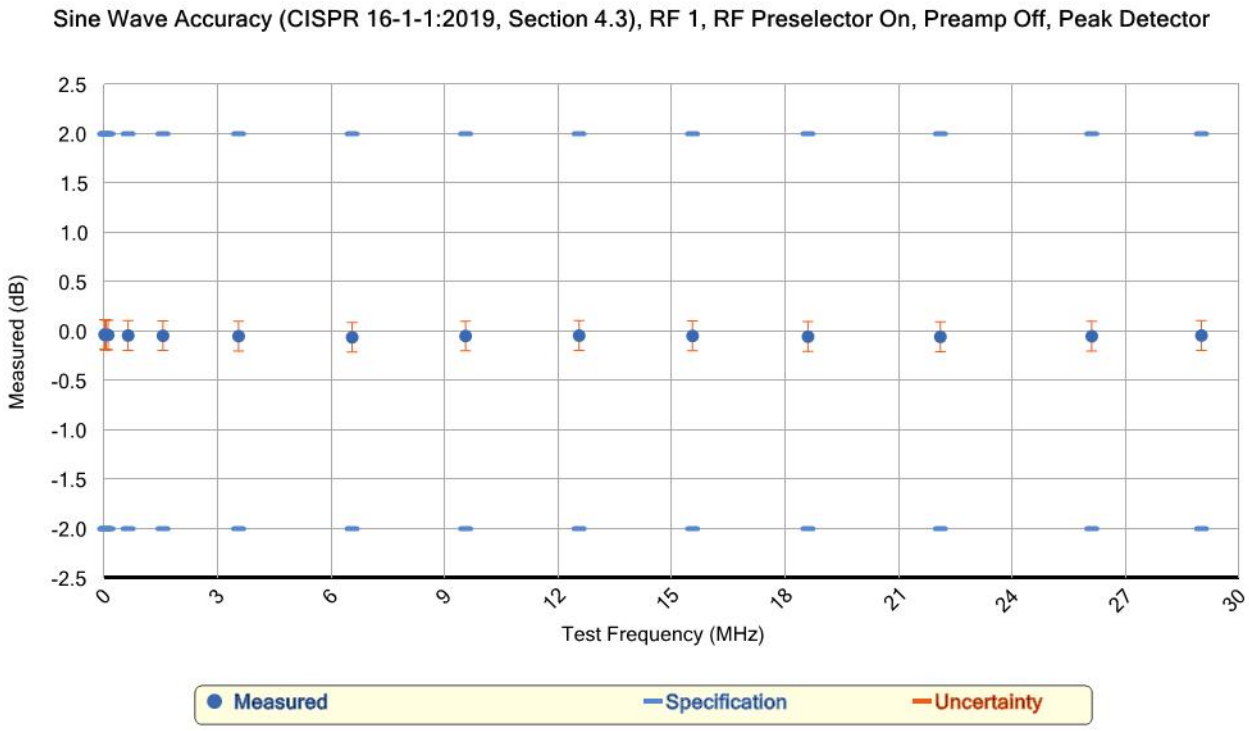
Freq Resp 9 kHz to 50 MHz (cont.)



RF Input 2, AC Coupling Off, RF Preselector On, Preamplifier On

Frequency	Minimum	Measured	Maximum	Uncert.	Status
0.009 MHz	−0.80 dB	0.098 dB	0.80 dB	0.18 dB	
0.050 MHz	−0.80 dB	0.099 dB	0.80 dB	0.18 dB	
0.100 MHz	−0.80 dB	0.097 dB	0.80 dB	0.18 dB	
0.200 MHz	−0.80 dB	0.073 dB	0.80 dB	0.18 dB	
0.300 MHz	−0.80 dB	0.090 dB	0.80 dB	0.18 dB	
0.500 MHz	−0.80 dB	0.115 dB	0.80 dB	0.18 dB	
0.750 MHz	−0.80 dB	0.059 dB	0.80 dB	0.18 dB	
1.000 MHz	−0.80 dB	0.088 dB	0.80 dB	0.18 dB	
2.500 MHz	−0.80 dB	0.080 dB	0.80 dB	0.18 dB	
5.000 MHz	−0.80 dB	0.064 dB	0.80 dB	0.18 dB	
7.500 MHz	−0.80 dB	0.070 dB	0.80 dB	0.18 dB	
10.000 MHz	−0.80 dB	0.073 dB	0.80 dB	0.18 dB	
20.000 MHz	−0.80 dB	0.048 dB	0.80 dB	0.18 dB	
35.000 MHz	−0.70 dB	−0.024 dB	0.70 dB	0.18 dB	

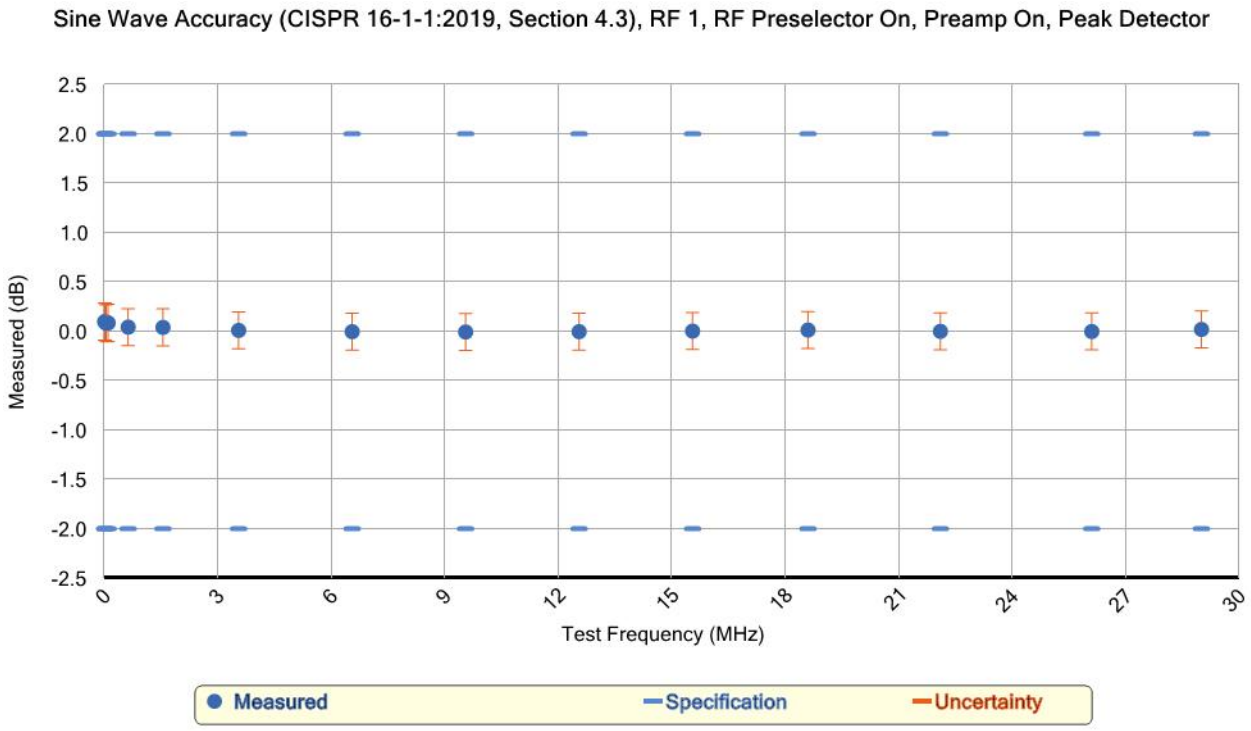
Conducted Band Sine Wave Accuracy — Passed



Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp Off, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.01 MHz	10.00 dB	−2.00 dB	−0.032 dB	2.00 dB	0.15 dB	
0.02 MHz	10.00 dB	−2.00 dB	−0.036 dB	2.00 dB	0.15 dB	
0.05 MHz	10.00 dB	−2.00 dB	−0.035 dB	2.00 dB	0.15 dB	
0.10 MHz	10.00 dB	−2.00 dB	−0.037 dB	2.00 dB	0.15 dB	
0.63 MHz	10.00 dB	−2.00 dB	−0.042 dB	2.00 dB	0.15 dB	
1.55 MHz	10.00 dB	−2.00 dB	−0.044 dB	2.00 dB	0.15 dB	
3.55 MHz	10.00 dB	−2.00 dB	−0.048 dB	2.00 dB	0.15 dB	
6.55 MHz	10.00 dB	−2.00 dB	−0.060 dB	2.00 dB	0.15 dB	
9.55 MHz	10.00 dB	−2.00 dB	−0.047 dB	2.00 dB	0.15 dB	
12.55 MHz	10.00 dB	−2.00 dB	−0.043 dB	2.00 dB	0.15 dB	
15.55 MHz	10.00 dB	−2.00 dB	−0.046 dB	2.00 dB	0.15 dB	
18.60 MHz	10.00 dB	−2.00 dB	−0.053 dB	2.00 dB	0.15 dB	
22.10 MHz	10.00 dB	−2.00 dB	−0.055 dB	2.00 dB	0.15 dB	
26.10 MHz	10.00 dB	−2.00 dB	−0.049 dB	2.00 dB	0.15 dB	
29.00 MHz	10.00 dB	−2.00 dB	−0.042 dB	2.00 dB	0.15 dB	

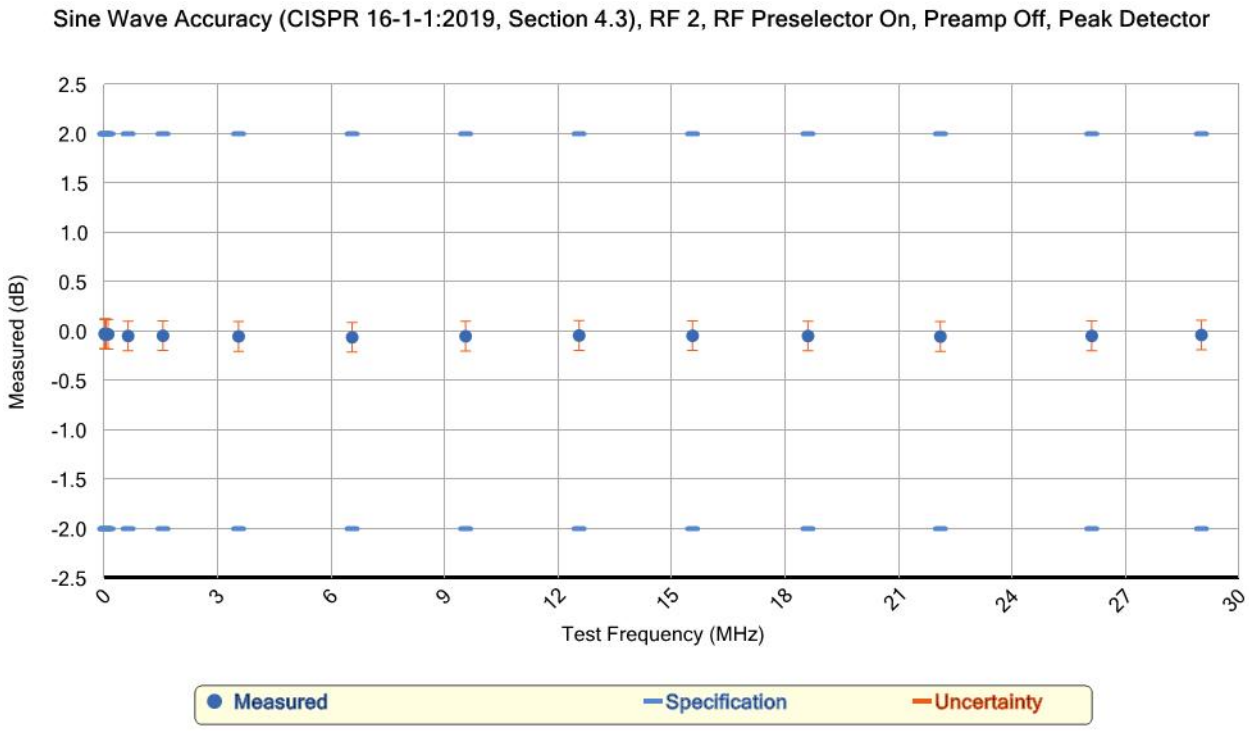
Conducted Band Sine Wave Accuracy (cont.)



Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 1, RF Preselector On, Preamp On, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.01 MHz	0.00 dB	−2.00 dB	0.098 dB	2.00 dB	0.19 dB	
0.02 MHz	0.00 dB	−2.00 dB	0.099 dB	2.00 dB	0.19 dB	
0.05 MHz	0.00 dB	−2.00 dB	0.082 dB	2.00 dB	0.19 dB	
0.10 MHz	0.00 dB	−2.00 dB	0.086 dB	2.00 dB	0.19 dB	
0.63 MHz	0.00 dB	−2.00 dB	0.043 dB	2.00 dB	0.19 dB	
1.55 MHz	0.00 dB	−2.00 dB	0.040 dB	2.00 dB	0.19 dB	
3.55 MHz	0.00 dB	−2.00 dB	0.010 dB	2.00 dB	0.19 dB	
6.55 MHz	0.00 dB	−2.00 dB	−0.003 dB	2.00 dB	0.19 dB	
9.55 MHz	0.00 dB	−2.00 dB	−0.006 dB	2.00 dB	0.19 dB	
12.55 MHz	0.00 dB	−2.00 dB	−0.003 dB	2.00 dB	0.19 dB	
15.55 MHz	0.00 dB	−2.00 dB	0.003 dB	2.00 dB	0.19 dB	
18.60 MHz	0.00 dB	−2.00 dB	0.013 dB	2.00 dB	0.19 dB	
22.10 MHz	0.00 dB	−2.00 dB	0.000 dB	2.00 dB	0.19 dB	
26.10 MHz	0.00 dB	−2.00 dB	−0.001 dB	2.00 dB	0.19 dB	
29.00 MHz	0.00 dB	−2.00 dB	0.020 dB	2.00 dB	0.19 dB	

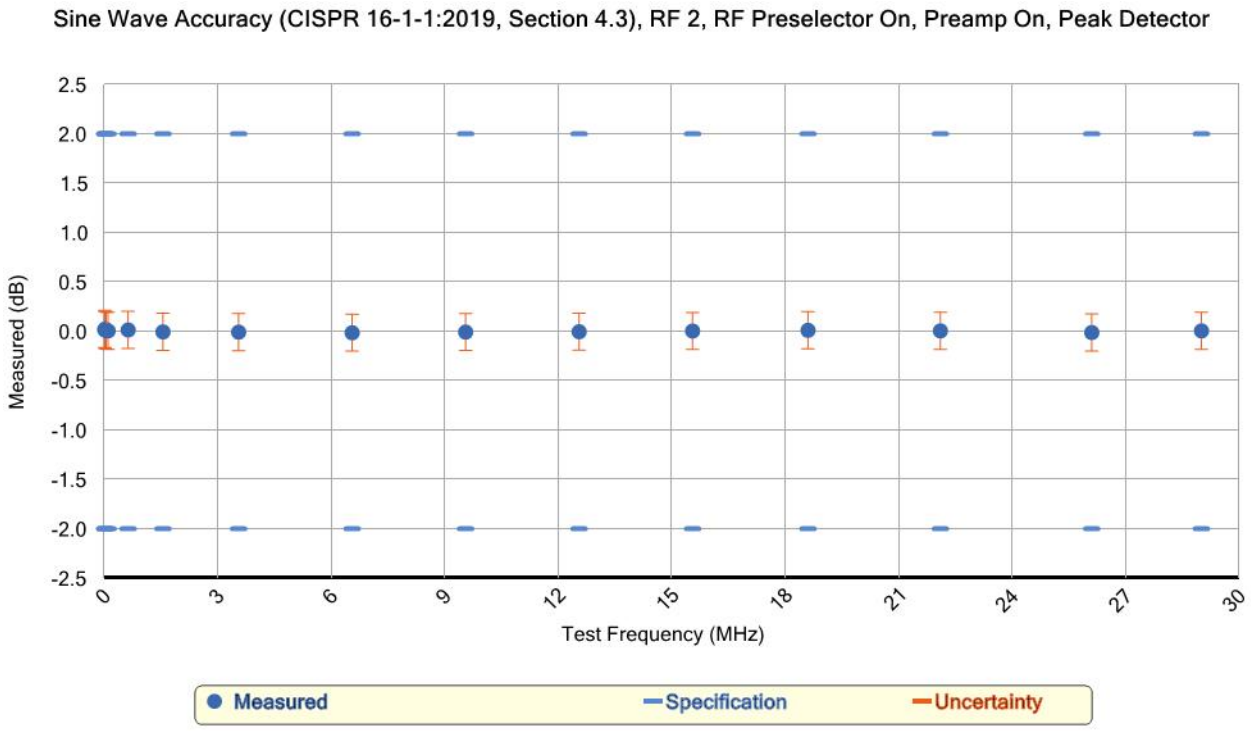
Conducted Band Sine Wave Accuracy (cont.)



Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 2, RF Preselector On, Preamp Off, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.01 MHz	10.00 dB	−2.00 dB	−0.024 dB	2.00 dB	0.15 dB	
0.02 MHz	10.00 dB	−2.00 dB	−0.030 dB	2.00 dB	0.15 dB	
0.05 MHz	10.00 dB	−2.00 dB	−0.030 dB	2.00 dB	0.15 dB	
0.10 MHz	10.00 dB	−2.00 dB	−0.030 dB	2.00 dB	0.15 dB	
0.63 MHz	10.00 dB	−2.00 dB	−0.047 dB	2.00 dB	0.15 dB	
1.55 MHz	10.00 dB	−2.00 dB	−0.044 dB	2.00 dB	0.15 dB	
3.55 MHz	10.00 dB	−2.00 dB	−0.051 dB	2.00 dB	0.15 dB	
6.55 MHz	10.00 dB	−2.00 dB	−0.060 dB	2.00 dB	0.15 dB	
9.55 MHz	10.00 dB	−2.00 dB	−0.049 dB	2.00 dB	0.15 dB	
12.55 MHz	10.00 dB	−2.00 dB	−0.042 dB	2.00 dB	0.15 dB	
15.55 MHz	10.00 dB	−2.00 dB	−0.044 dB	2.00 dB	0.15 dB	
18.60 MHz	10.00 dB	−2.00 dB	−0.047 dB	2.00 dB	0.15 dB	
22.10 MHz	10.00 dB	−2.00 dB	−0.052 dB	2.00 dB	0.15 dB	
26.10 MHz	10.00 dB	−2.00 dB	−0.046 dB	2.00 dB	0.15 dB	
29.00 MHz	10.00 dB	−2.00 dB	−0.037 dB	2.00 dB	0.15 dB	

Conducted Band Sine Wave Accuracy (cont.)

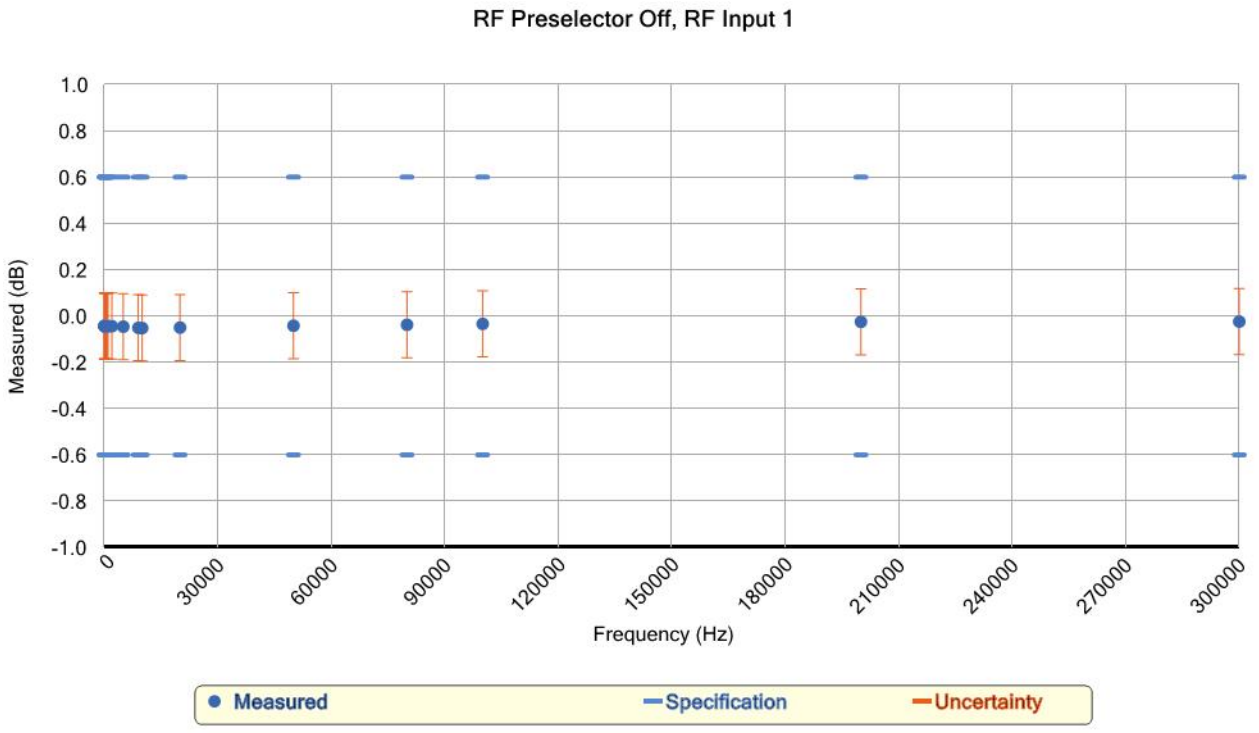


Sine Wave Accuracy (CISPR 16-1-1:2019, Section 4.3), RF 2, RF Preselector On, Preamp On, Peak Detector

Test Frequency	Input Attenuation	Minimum	Measured	Maximum	Uncert.	Status
0.01 MHz	0.00 dB	−2.00 dB	0.017 dB	2.00 dB	0.19 dB	
0.02 MHz	0.00 dB	−2.00 dB	0.024 dB	2.00 dB	0.19 dB	
0.05 MHz	0.00 dB	−2.00 dB	0.007 dB	2.00 dB	0.19 dB	
0.10 MHz	0.00 dB	−2.00 dB	0.005 dB	2.00 dB	0.19 dB	
0.63 MHz	0.00 dB	−2.00 dB	0.014 dB	2.00 dB	0.19 dB	
1.55 MHz	0.00 dB	−2.00 dB	−0.005 dB	2.00 dB	0.19 dB	
3.55 MHz	0.00 dB	−2.00 dB	−0.008 dB	2.00 dB	0.19 dB	
6.55 MHz	0.00 dB	−2.00 dB	−0.014 dB	2.00 dB	0.19 dB	
9.55 MHz	0.00 dB	−2.00 dB	−0.007 dB	2.00 dB	0.19 dB	
12.55 MHz	0.00 dB	−2.00 dB	−0.004 dB	2.00 dB	0.19 dB	
15.55 MHz	0.00 dB	−2.00 dB	0.004 dB	2.00 dB	0.19 dB	
18.60 MHz	0.00 dB	−2.00 dB	0.011 dB	2.00 dB	0.19 dB	
22.10 MHz	0.00 dB	−2.00 dB	0.005 dB	2.00 dB	0.19 dB	
26.10 MHz	0.00 dB	−2.00 dB	−0.012 dB	2.00 dB	0.19 dB	
29.00 MHz	0.00 dB	−2.00 dB	0.005 dB	2.00 dB	0.19 dB	

Freq Resp Below 300 kHz

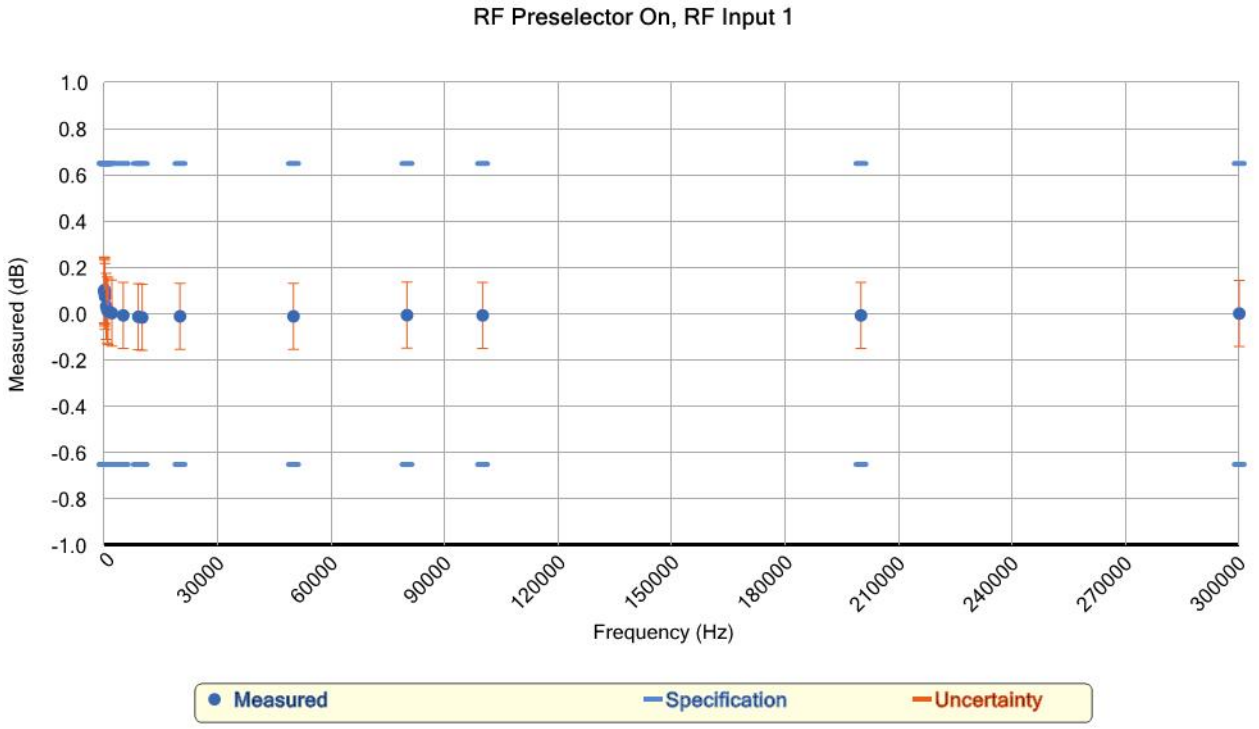
Passed



RF Preselector Off, RF Input 1

Frequency	Minimum	Measured	Maximum	Uncert.	Status
20.00 Hz	−0.60 dB	−0.043 dB	0.60 dB	0.14 dB	
50.00 Hz	−0.60 dB	−0.044 dB	0.60 dB	0.14 dB	
80.00 Hz	−0.60 dB	−0.044 dB	0.60 dB	0.14 dB	
100.00 Hz	−0.60 dB	−0.043 dB	0.60 dB	0.14 dB	
200.00 Hz	−0.60 dB	−0.043 dB	0.60 dB	0.14 dB	
500.00 Hz	−0.60 dB	−0.045 dB	0.60 dB	0.14 dB	
800.00 Hz	−0.60 dB	−0.043 dB	0.60 dB	0.14 dB	
1000.00 Hz	−0.60 dB	−0.044 dB	0.60 dB	0.14 dB	
2000.00 Hz	−0.60 dB	−0.044 dB	0.60 dB	0.14 dB	
5000.00 Hz	−0.60 dB	−0.046 dB	0.60 dB	0.14 dB	
9000.00 Hz	−0.60 dB	−0.051 dB	0.60 dB	0.14 dB	
10000.00 Hz	−0.60 dB	−0.052 dB	0.60 dB	0.14 dB	
20000.00 Hz	−0.60 dB	−0.050 dB	0.60 dB	0.14 dB	
50000.00 Hz	−0.60 dB	−0.042 dB	0.60 dB	0.14 dB	
80000.00 Hz	−0.60 dB	−0.038 dB	0.60 dB	0.14 dB	
100000.00 Hz	−0.60 dB	−0.034 dB	0.60 dB	0.14 dB	
200000.00 Hz	−0.60 dB	−0.025 dB	0.60 dB	0.14 dB	
300000.00 Hz	−0.60 dB	−0.024 dB	0.60 dB	0.14 dB	

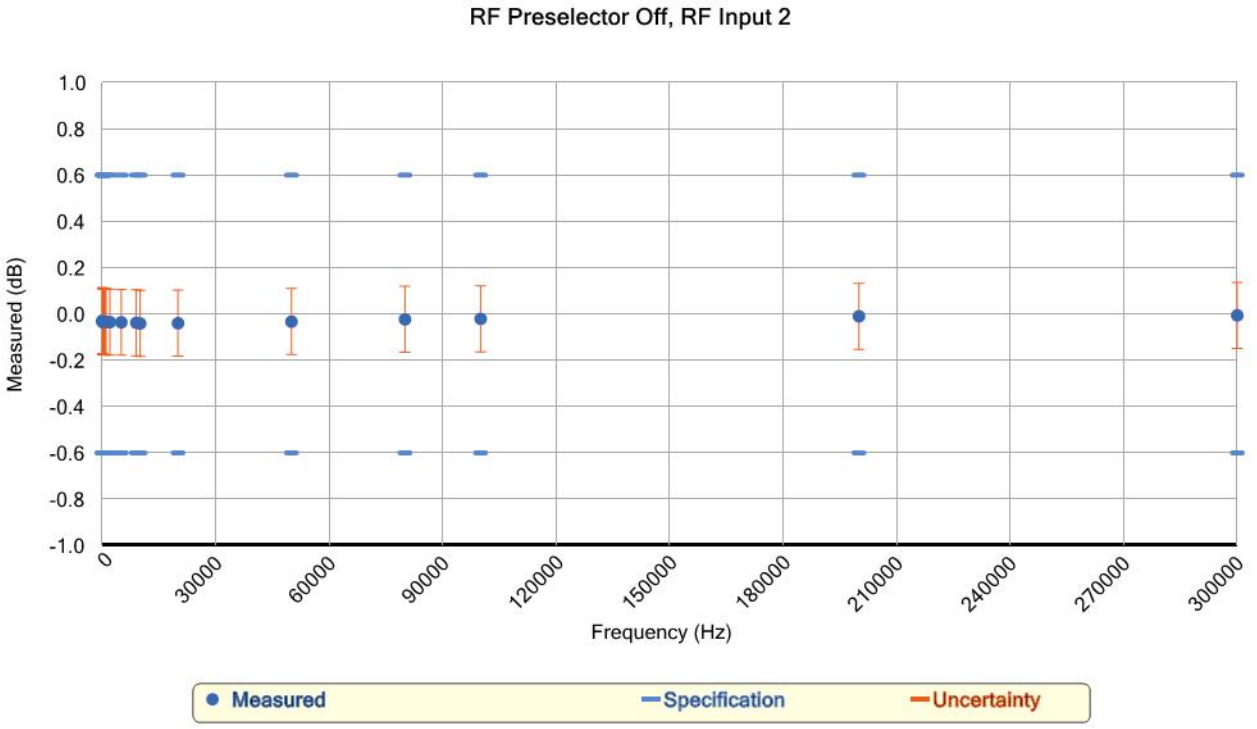
Freq Resp Below 300 kHz (cont.)



RF Preselector On, RF Input 1

Frequency	Minimum	Measured	Maximum	Uncert.	Status
20.00 Hz	−0.65 dB	0.102 dB	0.65 dB	0.14 dB	
50.00 Hz	−0.65 dB	0.103 dB	0.65 dB	0.14 dB	
80.00 Hz	−0.65 dB	0.098 dB	0.65 dB	0.14 dB	
100.00 Hz	−0.65 dB	0.090 dB	0.65 dB	0.14 dB	
200.00 Hz	−0.65 dB	0.076 dB	0.65 dB	0.14 dB	
500.00 Hz	−0.65 dB	0.033 dB	0.65 dB	0.14 dB	
800.00 Hz	−0.65 dB	0.017 dB	0.65 dB	0.14 dB	
1000.00 Hz	−0.65 dB	0.011 dB	0.65 dB	0.14 dB	
2000.00 Hz	−0.65 dB	0.004 dB	0.65 dB	0.14 dB	
5000.00 Hz	−0.65 dB	−0.006 dB	0.65 dB	0.14 dB	
9000.00 Hz	−0.65 dB	−0.012 dB	0.65 dB	0.14 dB	
10000.00 Hz	−0.65 dB	−0.015 dB	0.65 dB	0.14 dB	
20000.00 Hz	−0.65 dB	−0.010 dB	0.65 dB	0.14 dB	
50000.00 Hz	−0.65 dB	−0.010 dB	0.65 dB	0.14 dB	
80000.00 Hz	−0.65 dB	−0.005 dB	0.65 dB	0.14 dB	
100000.00 Hz	−0.65 dB	−0.006 dB	0.65 dB	0.14 dB	
200000.00 Hz	−0.65 dB	−0.006 dB	0.65 dB	0.14 dB	
300000.00 Hz	−0.65 dB	0.002 dB	0.65 dB	0.14 dB	

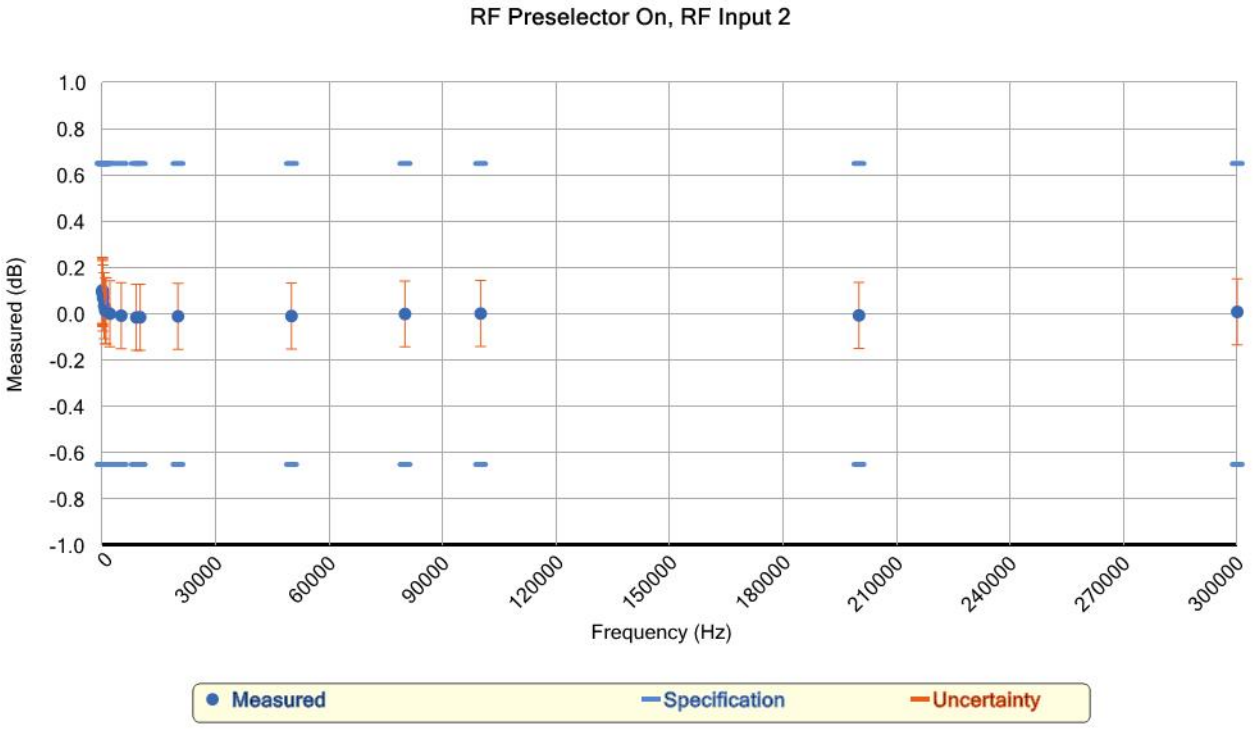
Freq Resp Below 300 kHz (cont.)



RF Preselector Off, RF Input 2

Frequency	Minimum	Measured	Maximum	Uncert.	Status
20.00 Hz	−0.60 dB	−0.029 dB	0.60 dB	0.14 dB	
50.00 Hz	−0.60 dB	−0.032 dB	0.60 dB	0.14 dB	
80.00 Hz	−0.60 dB	−0.034 dB	0.60 dB	0.14 dB	
100.00 Hz	−0.60 dB	−0.032 dB	0.60 dB	0.14 dB	
200.00 Hz	−0.60 dB	−0.032 dB	0.60 dB	0.14 dB	
500.00 Hz	−0.60 dB	−0.032 dB	0.60 dB	0.14 dB	
800.00 Hz	−0.60 dB	−0.035 dB	0.60 dB	0.14 dB	
1000.00 Hz	−0.60 dB	−0.034 dB	0.60 dB	0.14 dB	
2000.00 Hz	−0.60 dB	−0.035 dB	0.60 dB	0.14 dB	
5000.00 Hz	−0.60 dB	−0.036 dB	0.60 dB	0.14 dB	
9000.00 Hz	−0.60 dB	−0.038 dB	0.60 dB	0.14 dB	
10000.00 Hz	−0.60 dB	−0.041 dB	0.60 dB	0.14 dB	
20000.00 Hz	−0.60 dB	−0.040 dB	0.60 dB	0.14 dB	
50000.00 Hz	−0.60 dB	−0.033 dB	0.60 dB	0.14 dB	
80000.00 Hz	−0.60 dB	−0.023 dB	0.60 dB	0.14 dB	
100000.00 Hz	−0.60 dB	−0.021 dB	0.60 dB	0.14 dB	
200000.00 Hz	−0.60 dB	−0.010 dB	0.60 dB	0.14 dB	
300000.00 Hz	−0.60 dB	−0.006 dB	0.60 dB	0.14 dB	

Freq Resp Below 300 kHz (cont.)



RF Preselector On, RF Input 2

Frequency	Minimum	Measured	Maximum	Uncert.	Status
20.00 Hz	−0.65 dB	0.102 dB	0.65 dB	0.14 dB	
50.00 Hz	−0.65 dB	0.099 dB	0.65 dB	0.14 dB	
80.00 Hz	−0.65 dB	0.094 dB	0.65 dB	0.14 dB	
100.00 Hz	−0.65 dB	0.088 dB	0.65 dB	0.14 dB	
200.00 Hz	−0.65 dB	0.069 dB	0.65 dB	0.14 dB	
500.00 Hz	−0.65 dB	0.035 dB	0.65 dB	0.14 dB	
800.00 Hz	−0.65 dB	0.014 dB	0.65 dB	0.14 dB	
1000.00 Hz	−0.65 dB	0.013 dB	0.65 dB	0.14 dB	
2000.00 Hz	−0.65 dB	0.001 dB	0.65 dB	0.14 dB	
5000.00 Hz	−0.65 dB	−0.007 dB	0.65 dB	0.14 dB	
9000.00 Hz	−0.65 dB	−0.015 dB	0.65 dB	0.14 dB	
10000.00 Hz	−0.65 dB	−0.014 dB	0.65 dB	0.14 dB	
20000.00 Hz	−0.65 dB	−0.010 dB	0.65 dB	0.14 dB	
50000.00 Hz	−0.65 dB	−0.009 dB	0.65 dB	0.14 dB	
80000.00 Hz	−0.65 dB	0.000 dB	0.65 dB	0.14 dB	
100000.00 Hz	−0.65 dB	0.002 dB	0.65 dB	0.14 dB	
200000.00 Hz	−0.65 dB	−0.006 dB	0.65 dB	0.14 dB	
300000.00 Hz	−0.65 dB	0.009 dB	0.65 dB	0.14 dB	

Response To Pulses (Peak, Ave, RMS) Bands A/B/C/D — Passed

Band A Response to Pulses (CISPR 16-1-1:2019, Sections 6.4, 7.3.1, 8.3.2)

Detector	PRF	Minimum	Measured	Maximum	Uncert.	Status
Average	25 Hz	−1.5 dB	−0.26 dB	1.5 dB	0.43 dB	
Peak	25 Hz	−1.5 dB	−0.78 dB	1.5 dB	0.43 dB	
RMS	25 Hz	−1.5 dB	−0.68 dB	1.5 dB	0.43 dB	

Band B Response to Pulses (CISPR 16-1-1:2019, Sections 6.4, 7.3.1, 8.3.2)

Detector	PRF	Minimum	Measured	Maximum	Uncert.	Status
Average	500 Hz	−1.5 dB	0.16 dB	1.5 dB	0.36 dB	
Peak	100 Hz	−1.5 dB	−0.48 dB	1.5 dB	0.36 dB	
RMS	1000 Hz	−1.5 dB	−0.20 dB	1.5 dB	0.38 dB	

Band C/D Response to Pulses (CISPR 16-1-1:2019, Sections 6.4, 7.3.1, 8.3.2)

Detector	PRF	Minimum	Measured	Maximum	Uncert.	Status
Average	5000 Hz	−1.5 dB	−0.27 dB	1.5 dB	0.34 dB	
Peak	100 Hz	−1.5 dB	−0.68 dB	1.5 dB	0.34 dB	
RMS	1000 Hz	−1.5 dB	−0.40 dB	1.5 dB	0.35 dB	

Q-P Detector Absolute Calibration — Passed

Quasi Peak Sine Wave to Reference PRF Response (CISPR 16-1-1:2019, Section 5.2.1)

Test Frequency	PRF	Minimum	Measured	Maximum	Uncert.	Status
0.10 MHz	25 Hz	−1.5 dB	0.16 dB	1.5 dB	0.29 dB	
10.00 MHz	100 Hz	−1.5 dB	0.78 dB	1.5 dB	0.29 dB	
100.00 MHz	100 Hz	−1.5 dB	0.77 dB	1.5 dB	0.29 dB	

Q-P Detector Variation With Pulse Repetition Freq — Passed

Quasi Peak Response (Band A, CISPR 16-1-1:2019, Section 5.2.2), Center Frequency = 0.10 MHz

Pulse Repitition Frequency	Minimum	Measured	Maximum	Uncert.	Status
100 Hz	3.0 dB	4.05 dB	5.0 dB	0.13 dB	
60 Hz	2.0 dB	2.80 dB	4.0 dB	0.11 dB	
10 Hz	−5.0 dB	−4.18 dB	−3.0 dB	0.13 dB	
5 Hz	−9.0 dB	−8.10 dB	−6.0 dB	0.13 dB	
2 Hz	−15.0 dB	−13.66 dB	−11.0 dB	0.13 dB	
1 Hz	−19.0 dB	−16.86 dB	−15.0 dB	0.13 dB	
Isolated	−21.0 dB	−18.59 dB	−17.0 dB	0.13 dB	

Q-P Detector Variation With Pulse Repetition Freq (cont.)

Quasi Peak Response (Band B, CISPR 16-1-1:2019, Section 5.2.2), Center Frequency = 9.50 MHz

Pulse Repitition Frequency	Minimum	Measured	Maximum	Uncert.	Status
20 Hz	−7.5 dB	−6.88 dB	−5.5 dB	0.13 dB	
10 Hz	−11.5 dB	−11.05 dB	−8.5 dB	0.13 dB	
2 Hz	−22.5 dB	−20.84 dB	−18.5 dB	0.13 dB	
1 Hz	−24.5 dB	−21.96 dB	−20.5 dB	0.13 dB	
Isolated	−25.5 dB	−22.22 dB	−21.5 dB	0.13 dB	

Quasi Peak Response (Band C, CISPR 16-1-1:2019, Section 5.2.2), Center Frequency = 125.00 MHz

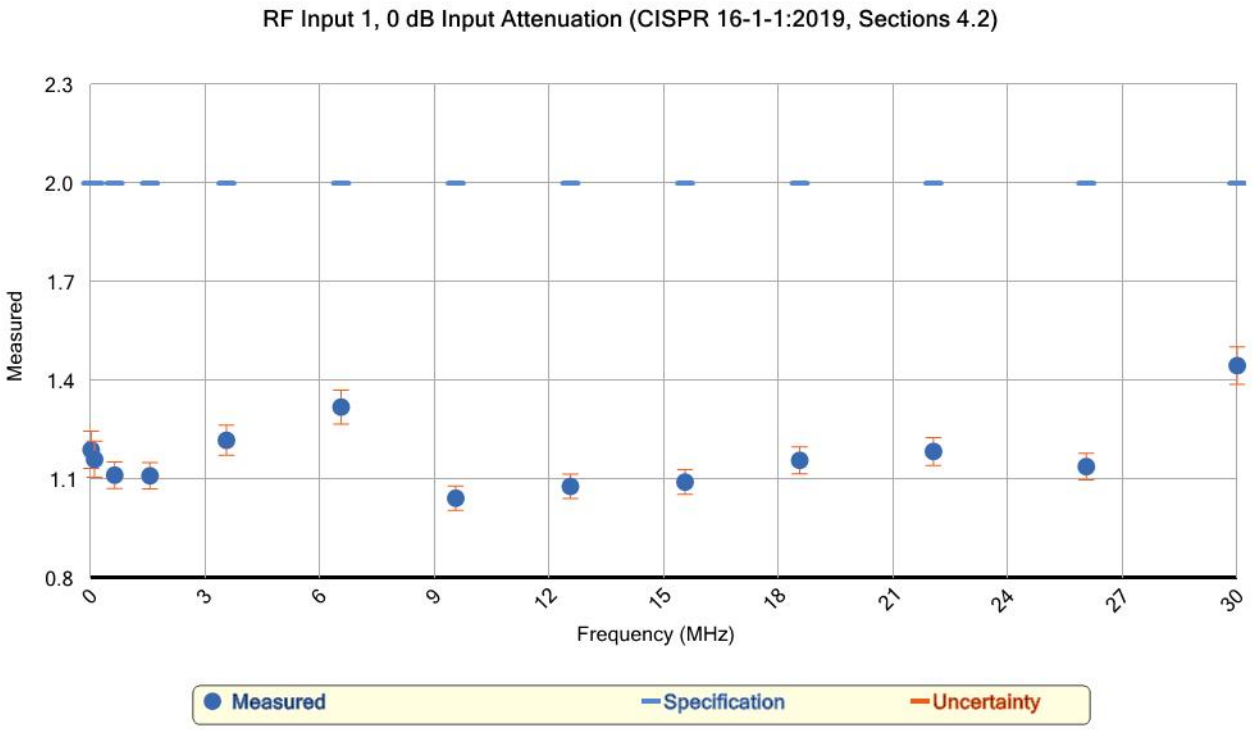
Pulse Repitition Frequency	Minimum	Measured	Maximum	Uncert.	Status
20 Hz	−10.0 dB	−9.66 dB	−8.0 dB	0.13 dB	
10 Hz	−15.5 dB	−14.68 dB	−12.5 dB	0.13 dB	
2 Hz	−28.0 dB	−26.15 dB	−24.0 dB	0.13 dB	
1 Hz	−30.5 dB	−29.17 dB	−26.5 dB	0.13 dB	
Isolated	−33.5 dB	−30.35 dB	−29.5 dB	0.13 dB	

Quasi Peak Response (Band D, CISPR 16-1-1:2019, Section 5.2.2), Center Frequency = 410.00 MHz

Pulse Repitition Frequency	Minimum	Measured	Maximum	Uncert.	Status
20 Hz	−10.0 dB	−9.55 dB	−8.0 dB	0.13 dB	
10 Hz	−15.5 dB	−14.58 dB	−12.5 dB	0.13 dB	
2 Hz		−25.83 dB		0.13 dB	
1 Hz		−28.36 dB		0.13 dB	
Isolated		−29.73 dB		0.13 dB	

Note: CISPR 16-1-1 states that this is an optional and not essential specification. Data is provided for information purposes only.

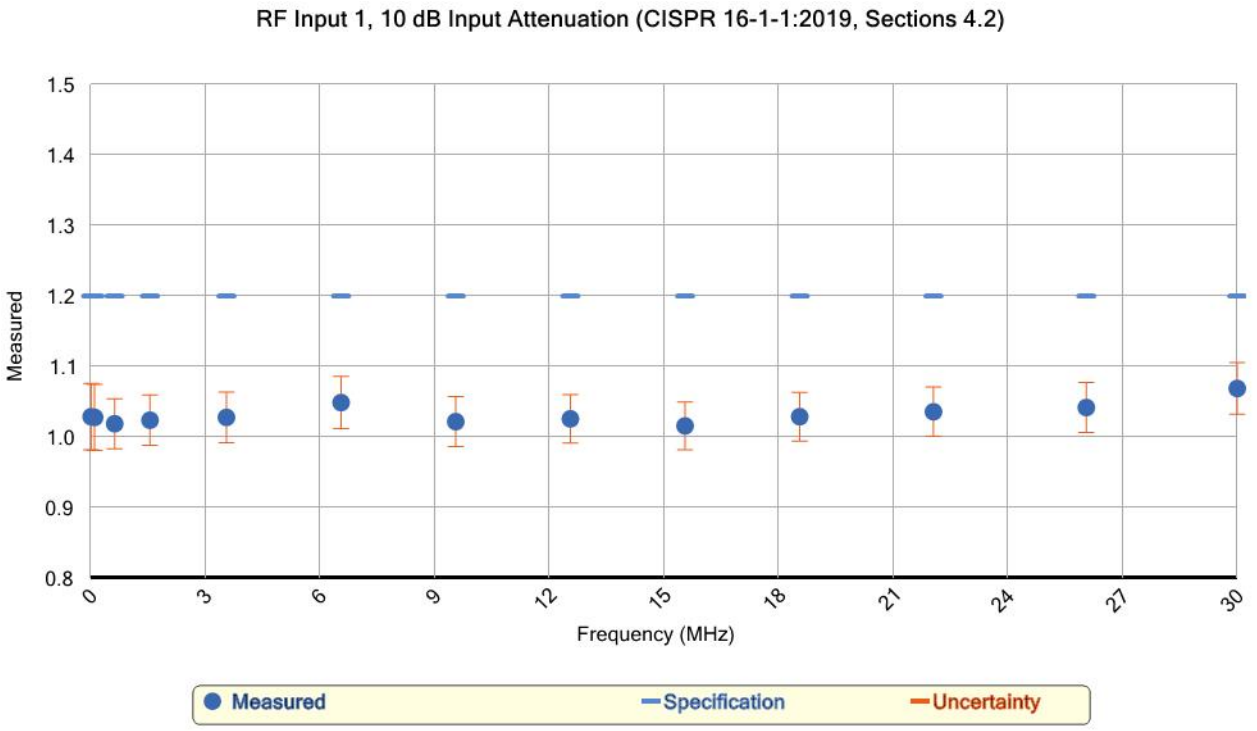
Conducted Band VSWR — Passed



RF Input 1, 0 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
0.010 MHz	21.23 dB	1.190	2.00	0.057	
0.100 MHz	22.56 dB	1.161	2.00	0.055	
0.625 MHz	25.47 dB	1.113	2.00	0.040	
1.550 MHz	25.58 dB	1.111	2.00	0.040	
3.550 MHz	20.11 dB	1.219	2.00	0.046	
6.550 MHz	17.21 dB	1.320	2.00	0.052	
9.550 MHz	33.45 dB	1.043	2.00	0.037	
12.550 MHz	28.39 dB	1.079	2.00	0.037	
15.550 MHz	27.14 dB	1.092	2.00	0.038	
18.550 MHz	22.70 dB	1.158	2.00	0.041	
22.050 MHz	21.46 dB	1.185	2.00	0.043	
26.050 MHz	23.75 dB	1.139	2.00	0.040	
30.000 MHz	14.79 dB	1.446	2.00	0.057	

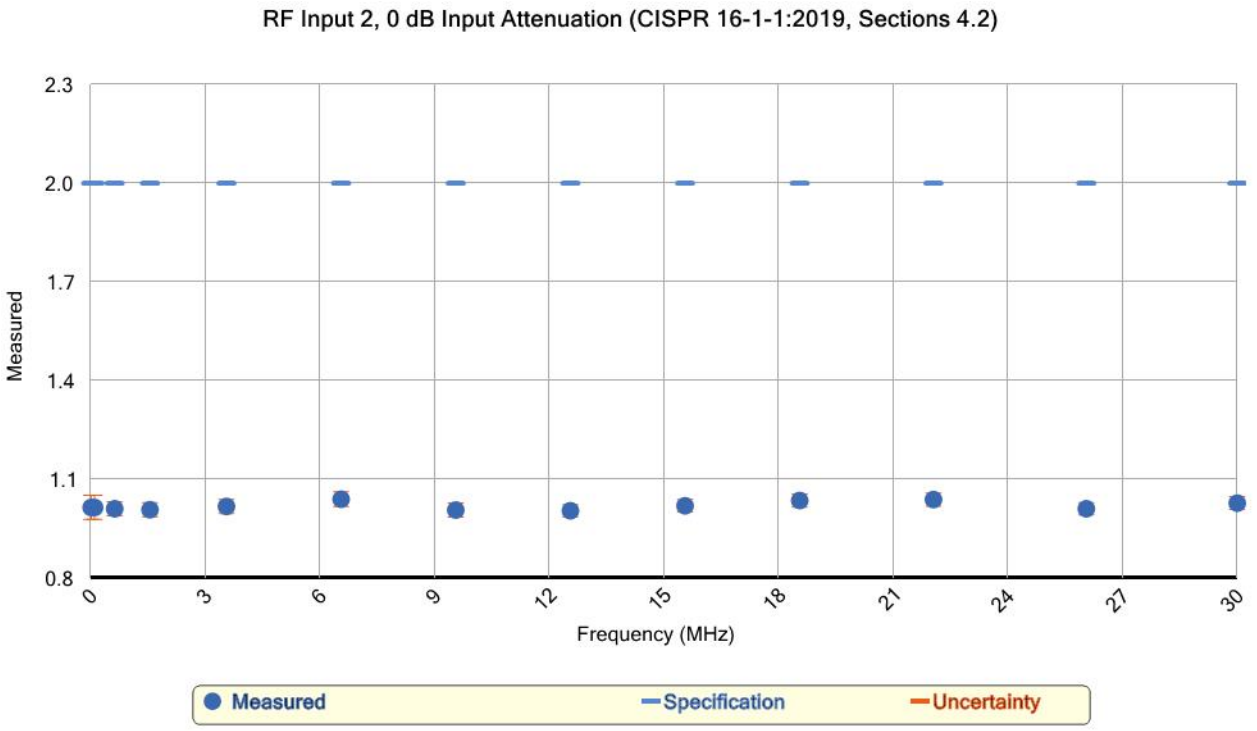
Conducted Band VSWR (cont.)



RF Input 1, 10 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
0.010 MHz	36.83 dB	1.029	1.20	0.047	
0.100 MHz	37.21 dB	1.028	1.20	0.047	
0.625 MHz	40.50 dB	1.019	1.20	0.035	
1.550 MHz	38.57 dB	1.024	1.20	0.036	
3.550 MHz	37.35 dB	1.028	1.20	0.036	
6.550 MHz	32.45 dB	1.049	1.20	0.037	
9.550 MHz	39.43 dB	1.022	1.20	0.036	
12.550 MHz	37.89 dB	1.026	1.20	0.034	
15.550 MHz	42.21 dB	1.016	1.20	0.034	
18.550 MHz	36.76 dB	1.029	1.20	0.035	
22.050 MHz	35.16 dB	1.036	1.20	0.035	
26.050 MHz	33.67 dB	1.042	1.20	0.035	
30.000 MHz	29.56 dB	1.069	1.20	0.037	

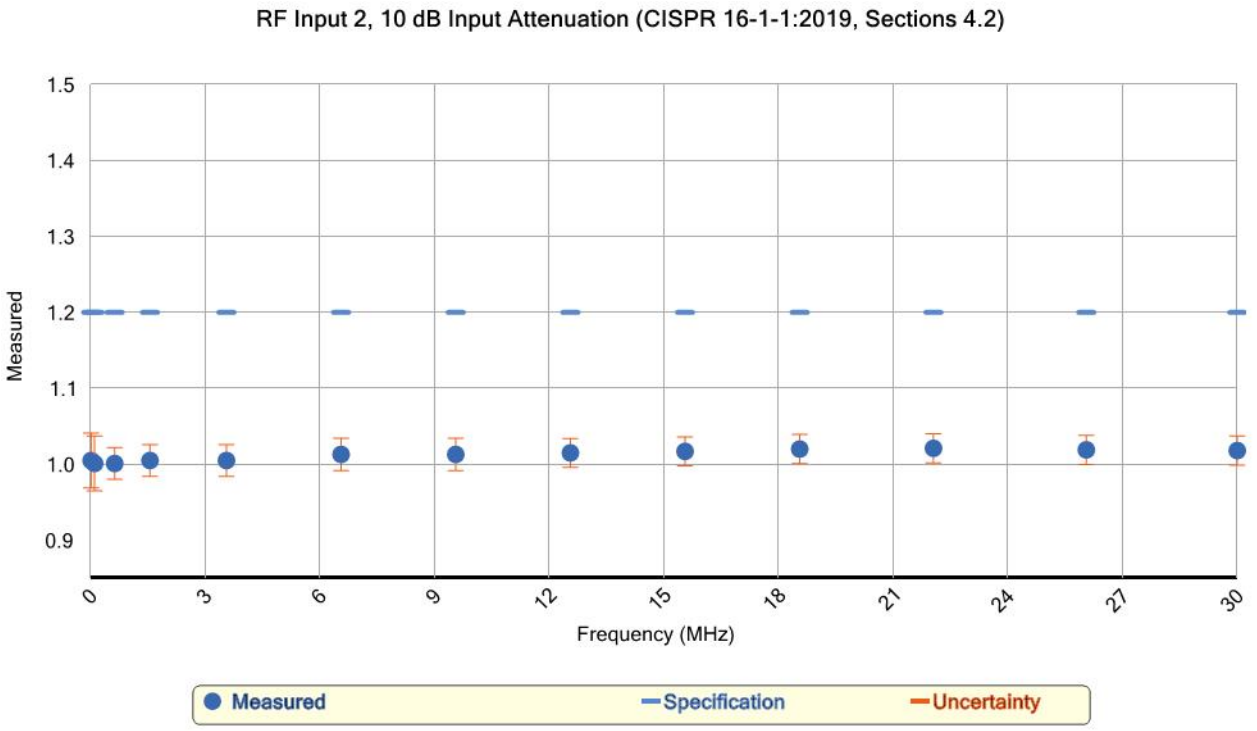
Conducted Band VSWR (cont.)



RF Input 2, 0 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
0.010 MHz	42.51 dB	1.015	2.00	0.037	
0.100 MHz	42.80 dB	1.015	2.00	0.037	
0.625 MHz	44.87 dB	1.011	2.00	0.021	
1.550 MHz	47.82 dB	1.008	2.00	0.021	
3.550 MHz	41.21 dB	1.018	2.00	0.021	
6.550 MHz	34.22 dB	1.040	2.00	0.022	
9.550 MHz	49.56 dB	1.007	2.00	0.021	
12.550 MHz	51.35 dB	1.005	2.00	0.019	
15.550 MHz	39.95 dB	1.020	2.00	0.019	
18.550 MHz	35.05 dB	1.036	2.00	0.020	
22.050 MHz	34.40 dB	1.039	2.00	0.020	
26.050 MHz	45.20 dB	1.011	2.00	0.019	
30.000 MHz	37.33 dB	1.028	2.00	0.019	

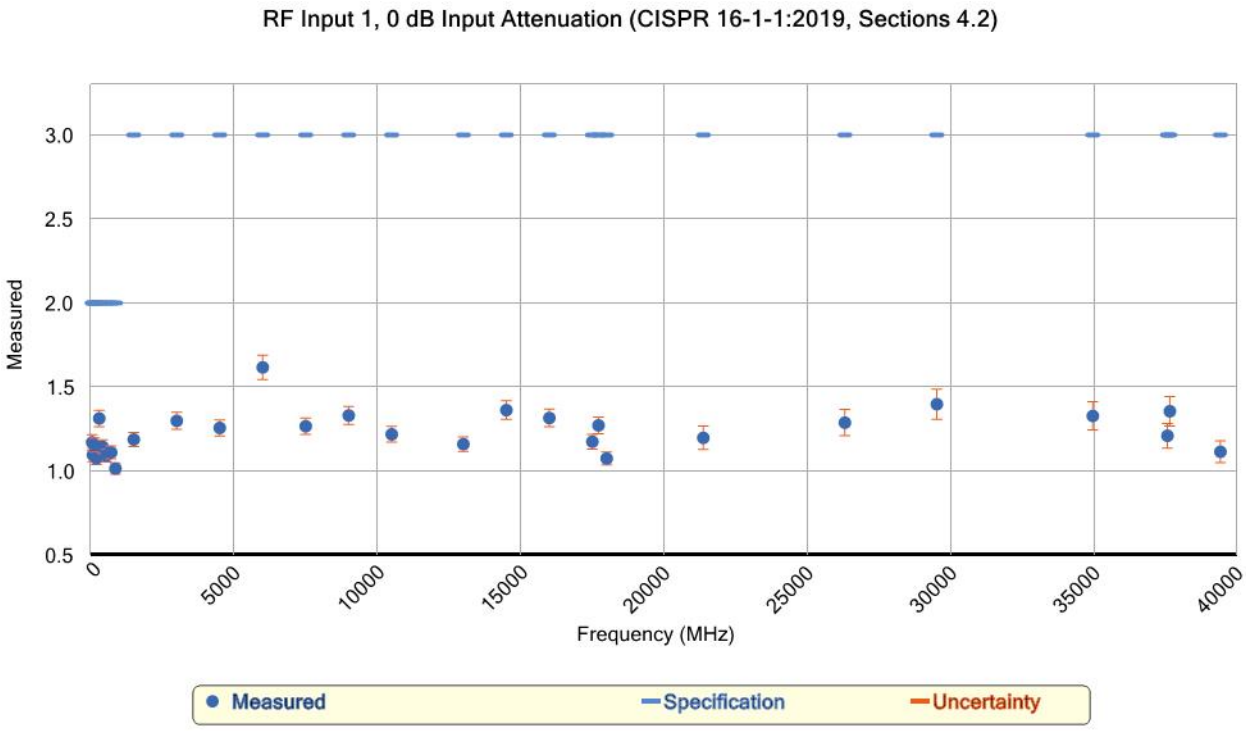
Conducted Band VSWR (cont.)



RF Input 2, 10 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
0.010 MHz	52.02 dB	1.005	1.20	0.036	
0.100 MHz	63.61 dB	1.001	1.20	0.036	
0.625 MHz	64.87 dB	1.001	1.20	0.021	
1.550 MHz	52.32 dB	1.005	1.20	0.021	
3.550 MHz	51.44 dB	1.005	1.20	0.021	
6.550 MHz	43.88 dB	1.013	1.20	0.021	
9.550 MHz	44.13 dB	1.013	1.20	0.021	
12.550 MHz	42.64 dB	1.015	1.20	0.019	
15.550 MHz	41.61 dB	1.017	1.20	0.019	
18.550 MHz	40.30 dB	1.020	1.20	0.019	
22.050 MHz	39.64 dB	1.021	1.20	0.019	
26.050 MHz	40.33 dB	1.019	1.20	0.019	
30.000 MHz	41.01 dB	1.018	1.20	0.019	

Radiated Band VSWR — Passed

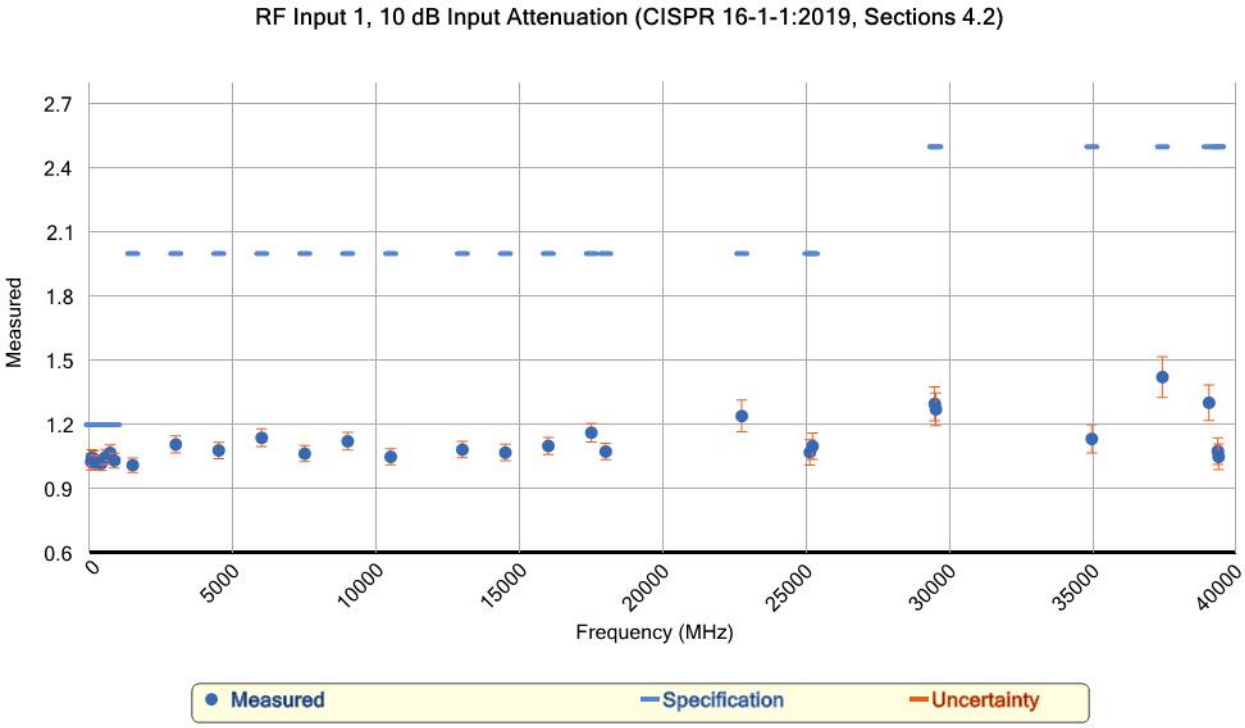


RF Input 1, 0 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
50.000 MHz	22.09 dB	1.171	2.00	0.046	
75.220 MHz	26.75 dB	1.096	2.00	0.040	
127.450 MHz	22.80 dB	1.156	2.00	0.041	
195.290 MHz	28.71 dB	1.076	2.00	0.037	
293.650 MHz	17.36 dB	1.313	2.00	0.049	
410.000 MHz	23.40 dB	1.145	2.00	0.040	
545.000 MHz	27.13 dB	1.092	2.00	0.037	
710.000 MHz	25.55 dB	1.111	2.00	0.038	
860.200 MHz	42.79 dB	1.015	2.00	0.034	
1500.000 MHz	21.30 dB	1.188	3.00	0.042	
3000.000 MHz	17.72 dB	1.299	3.00	0.050	
4500.000 MHz	18.87 dB	1.257	3.00	0.048	
6000.000 MHz	12.55 dB	1.617	3.00	0.073	
7500.000 MHz	18.59 dB	1.267	3.00	0.048	
9000.000 MHz	16.95 dB	1.331	3.00	0.053	
10500.000 MHz	20.12 dB	1.219	3.00	0.046	
13000.000 MHz	22.62 dB	1.160	3.00	0.043	
14500.000 MHz	16.28 dB	1.363	3.00	0.055	

Radiated Band VSWR (cont.)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
16000.000 MHz	17.30 dB	1.316	3.00	0.052	
17500.000 MHz	21.89 dB	1.175	3.00	0.044	
17712.500 MHz	18.43 dB	1.272	3.00	0.050	
18000.000 MHz	28.87 dB	1.075	3.00	0.038	
21370.000 MHz	20.93 dB	1.198	3.00	0.070	
26310.000 MHz	18.00 dB	1.288	3.00	0.078	
29518.500 MHz	15.59 dB	1.398	3.00	0.089	
34960.000 MHz	17.02 dB	1.328	3.00	0.084	
37564.000 MHz	20.43 dB	1.210	3.00	0.074	
37648.000 MHz	16.42 dB	1.356	3.00	0.088	
39412.000 MHz	25.29 dB	1.115	3.00	0.065	

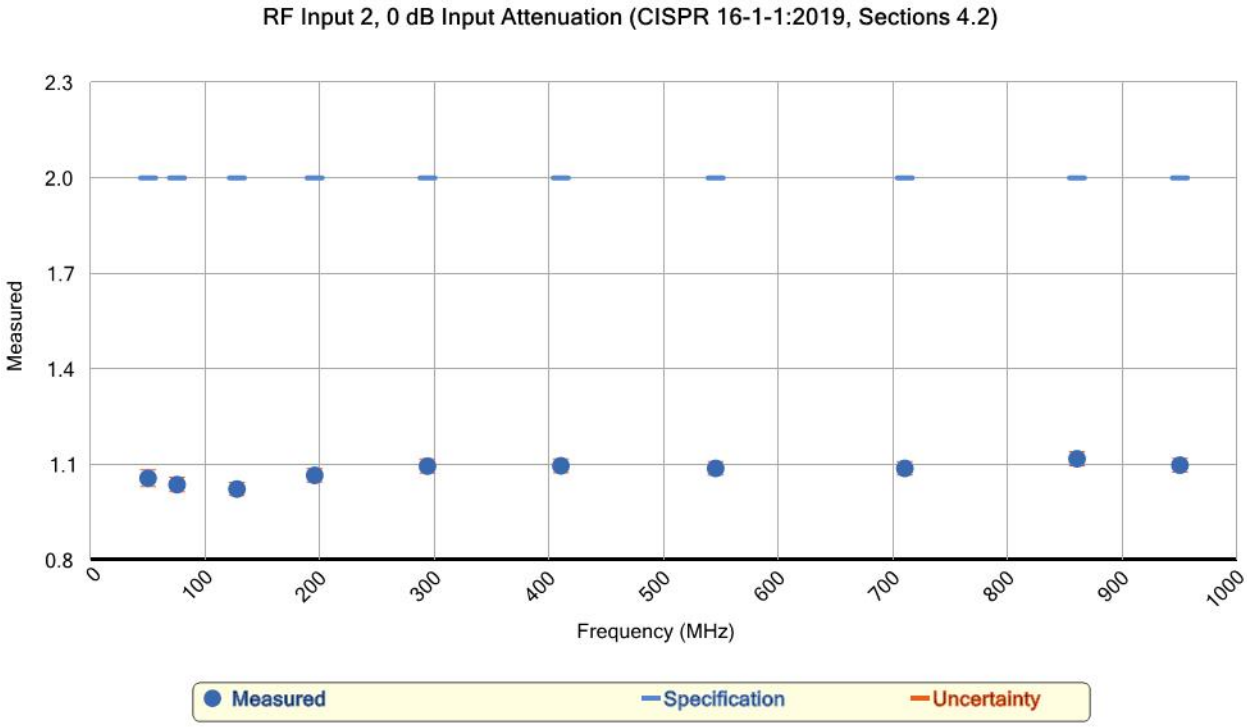


RF Input 1, 10 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
50.000 MHz	37.43 dB	1.027	1.20	0.038	
75.220 MHz	32.89 dB	1.046	1.20	0.037	
127.450 MHz	33.76 dB	1.042	1.20	0.036	
195.290 MHz	38.91 dB	1.023	1.20	0.035	
293.650 MHz	38.17 dB	1.025	1.20	0.034	
410.000 MHz	40.23 dB	1.020	1.20	0.034	
545.000 MHz	32.36 dB	1.049	1.20	0.035	
710.000 MHz	29.54 dB	1.069	1.20	0.036	

Radiated Band VSWR (cont.)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
860.200 MHz	35.70 dB	1.033	1.20	0.035	
1500.000 MHz	45.47 dB	1.011	2.00	0.033	
3000.000 MHz	25.82 dB	1.108	2.00	0.039	
4500.000 MHz	28.34 dB	1.080	2.00	0.038	
6000.000 MHz	23.72 dB	1.139	2.00	0.041	
7500.000 MHz	30.02 dB	1.065	2.00	0.037	
9000.000 MHz	24.72 dB	1.123	2.00	0.041	
10500.000 MHz	32.32 dB	1.050	2.00	0.037	
13000.000 MHz	27.91 dB	1.084	2.00	0.039	
14500.000 MHz	29.46 dB	1.070	2.00	0.038	
16000.000 MHz	26.37 dB	1.101	2.00	0.040	
17500.000 MHz	22.47 dB	1.163	2.00	0.043	
18000.000 MHz	28.84 dB	1.075	2.00	0.038	
22747.500 MHz	19.36 dB	1.241	2.00	0.074	
25122.500 MHz	29.30 dB	1.071	2.00	0.059	
25217.500 MHz	26.42 dB	1.100	2.00	0.062	
29478.000 MHz	17.73 dB	1.298	2.50	0.079	
29518.500 MHz	18.44 dB	1.272	2.50	0.077	
34960.000 MHz	24.03 dB	1.134	2.50	0.066	
37424.000 MHz	15.17 dB	1.423	2.50	0.095	
39048.000 MHz	17.62 dB	1.303	2.50	0.083	
39356.000 MHz	28.65 dB	1.077	2.50	0.062	
39384.000 MHz	32.30 dB	1.050	2.50	0.060	

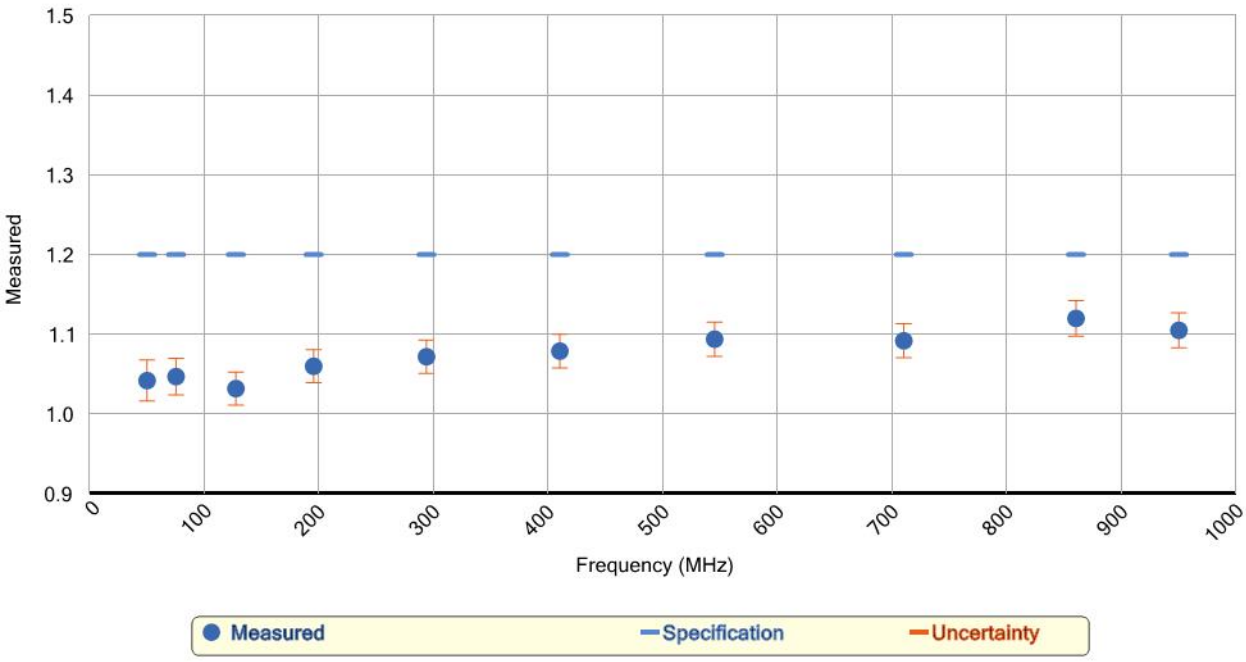


Radiated Band VSWR (cont.)

RF Input 2, 0 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
50.000 MHz	31.08 dB	1.057	2.00	0.026	
75.220 MHz	34.88 dB	1.037	2.00	0.023	
127.450 MHz	39.02 dB	1.023	2.00	0.020	
195.290 MHz	29.94 dB	1.066	2.00	0.021	
293.650 MHz	26.86 dB	1.095	2.00	0.022	
410.000 MHz	26.76 dB	1.096	2.00	0.022	
545.000 MHz	27.48 dB	1.088	2.00	0.021	
710.000 MHz	27.46 dB	1.088	2.00	0.021	
860.200 MHz	25.10 dB	1.118	2.00	0.022	
950.000 MHz	26.65 dB	1.098	2.00	0.022	

RF Input 2, 10 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)



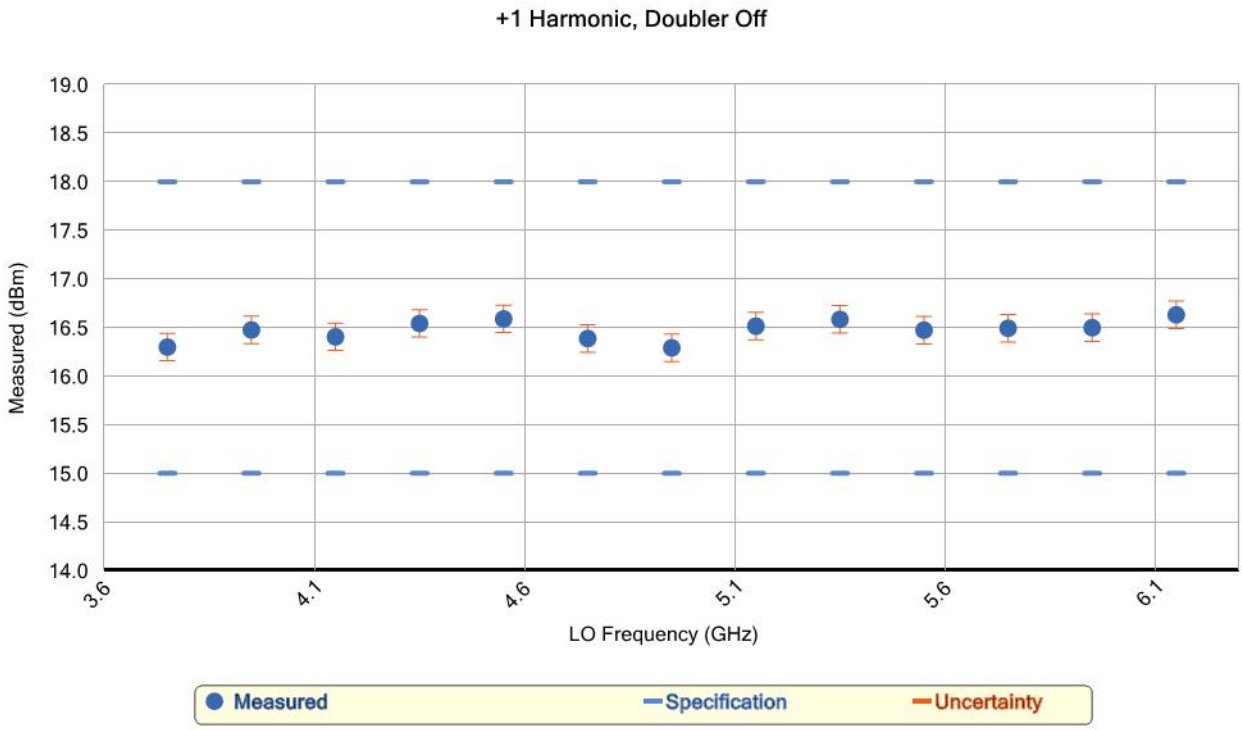
RF Input 2, 10 dB Input Attenuation (CISPR 16-1-1:2019, Sections 4.2)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
50.000 MHz	33.67 dB	1.042	1.20	0.026	
75.220 MHz	32.71 dB	1.047	1.20	0.023	
127.450 MHz	35.92 dB	1.032	1.20	0.021	
195.290 MHz	30.65 dB	1.060	1.20	0.021	
293.650 MHz	29.20 dB	1.072	1.20	0.021	
410.000 MHz	28.37 dB	1.079	1.20	0.021	
545.000 MHz	26.94 dB	1.094	1.20	0.022	

Radiated Band VSWR (cont.)

Frequency	Return Loss	Measured	Maximum	Uncert.	Status
710.000 MHz	27.11 dB	1.092	1.20	0.021	
860.200 MHz	24.95 dB	1.120	1.20	0.022	
950.000 MHz	26.07 dB	1.105	1.20	0.022	

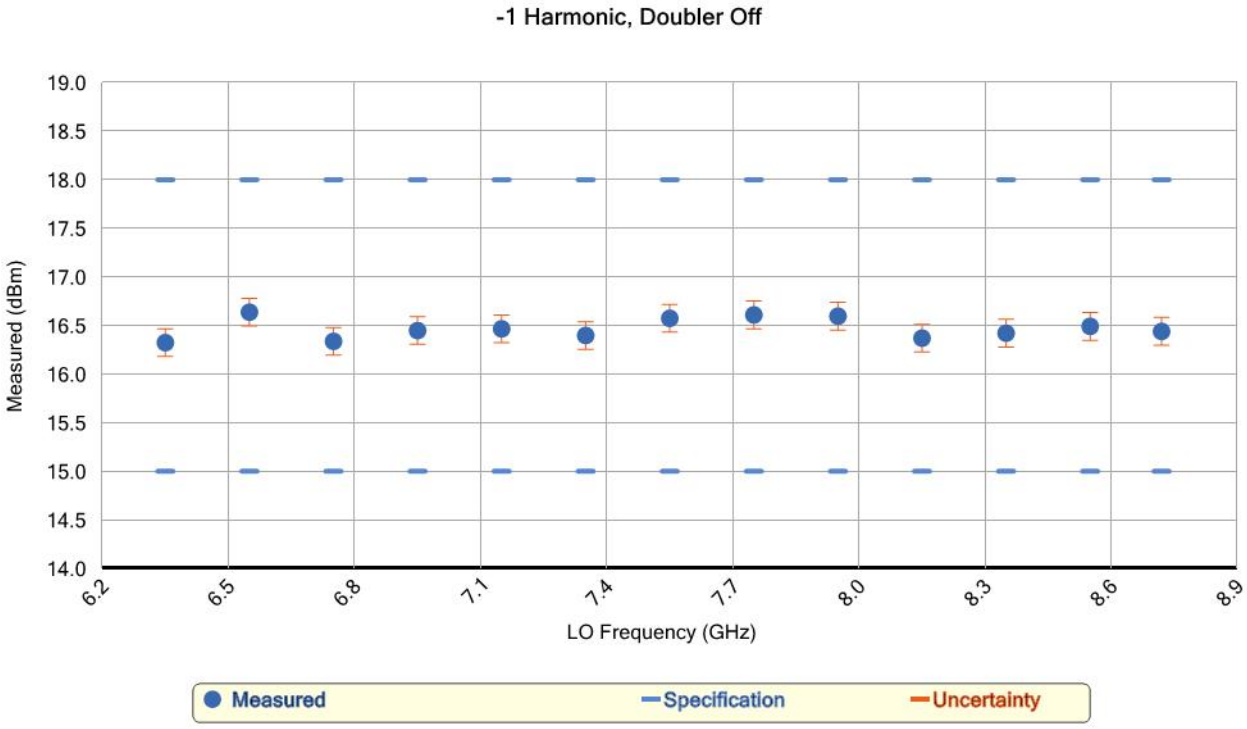
LO Output Power Accuracy Option EXM **Passed**



+1 Harmonic, Doubler Off

LO Frequency	Minimum	Measured	Maximum	Uncert.	Status
3.75 GHz	15.00 dBm	16.298 dBm	18.00 dBm	0.14 dB	
3.95 GHz	15.00 dBm	16.475 dBm	18.00 dBm	0.14 dB	
4.15 GHz	15.00 dBm	16.404 dBm	18.00 dBm	0.14 dB	
4.35 GHz	15.00 dBm	16.542 dBm	18.00 dBm	0.14 dB	
4.55 GHz	15.00 dBm	16.589 dBm	18.00 dBm	0.14 dB	
4.75 GHz	15.00 dBm	16.387 dBm	18.00 dBm	0.14 dB	
4.95 GHz	15.00 dBm	16.291 dBm	18.00 dBm	0.14 dB	
5.15 GHz	15.00 dBm	16.514 dBm	18.00 dBm	0.14 dB	
5.35 GHz	15.00 dBm	16.584 dBm	18.00 dBm	0.14 dB	
5.55 GHz	15.00 dBm	16.473 dBm	18.00 dBm	0.14 dB	
5.75 GHz	15.00 dBm	16.492 dBm	18.00 dBm	0.14 dB	
5.95 GHz	15.00 dBm	16.498 dBm	18.00 dBm	0.14 dB	
6.15 GHz	15.00 dBm	16.631 dBm	18.00 dBm	0.14 dB	

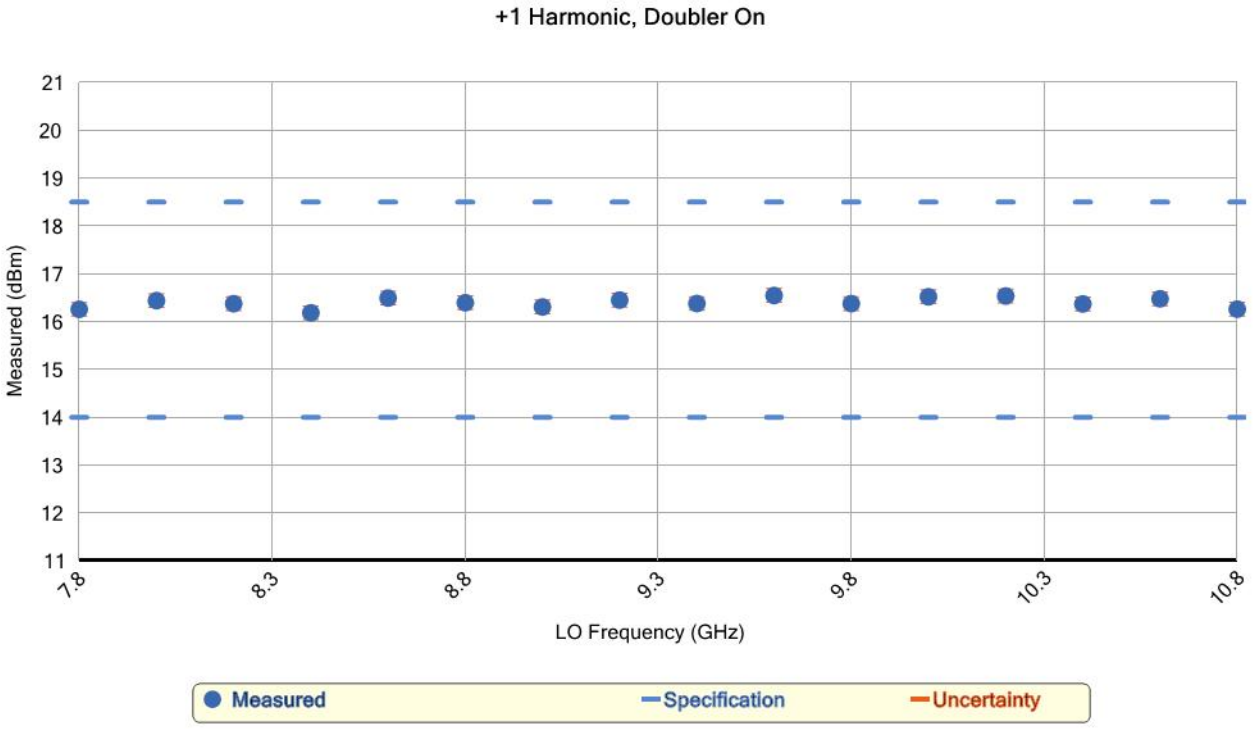
LO Output Power Accuracy Option EXM (cont.)



-1 Harmonic, Doubler Off

LO Frequency	Minimum	Measured	Maximum	Uncert.	Status
6.35 GHz	15.00 dBm	16.324 dBm	18.00 dBm	0.14 dB	
6.55 GHz	15.00 dBm	16.637 dBm	18.00 dBm	0.14 dB	
6.75 GHz	15.00 dBm	16.337 dBm	18.00 dBm	0.14 dB	
6.95 GHz	15.00 dBm	16.448 dBm	18.00 dBm	0.14 dB	
7.15 GHz	15.00 dBm	16.466 dBm	18.00 dBm	0.14 dB	
7.35 GHz	15.00 dBm	16.397 dBm	18.00 dBm	0.14 dB	
7.55 GHz	15.00 dBm	16.574 dBm	18.00 dBm	0.14 dB	
7.75 GHz	15.00 dBm	16.609 dBm	18.00 dBm	0.14 dB	
7.95 GHz	15.00 dBm	16.596 dBm	18.00 dBm	0.14 dB	
8.15 GHz	15.00 dBm	16.370 dBm	18.00 dBm	0.14 dB	
8.35 GHz	15.00 dBm	16.421 dBm	18.00 dBm	0.14 dB	
8.55 GHz	15.00 dBm	16.491 dBm	18.00 dBm	0.14 dB	
8.72 GHz	15.00 dBm	16.439 dBm	18.00 dBm	0.14 dB	

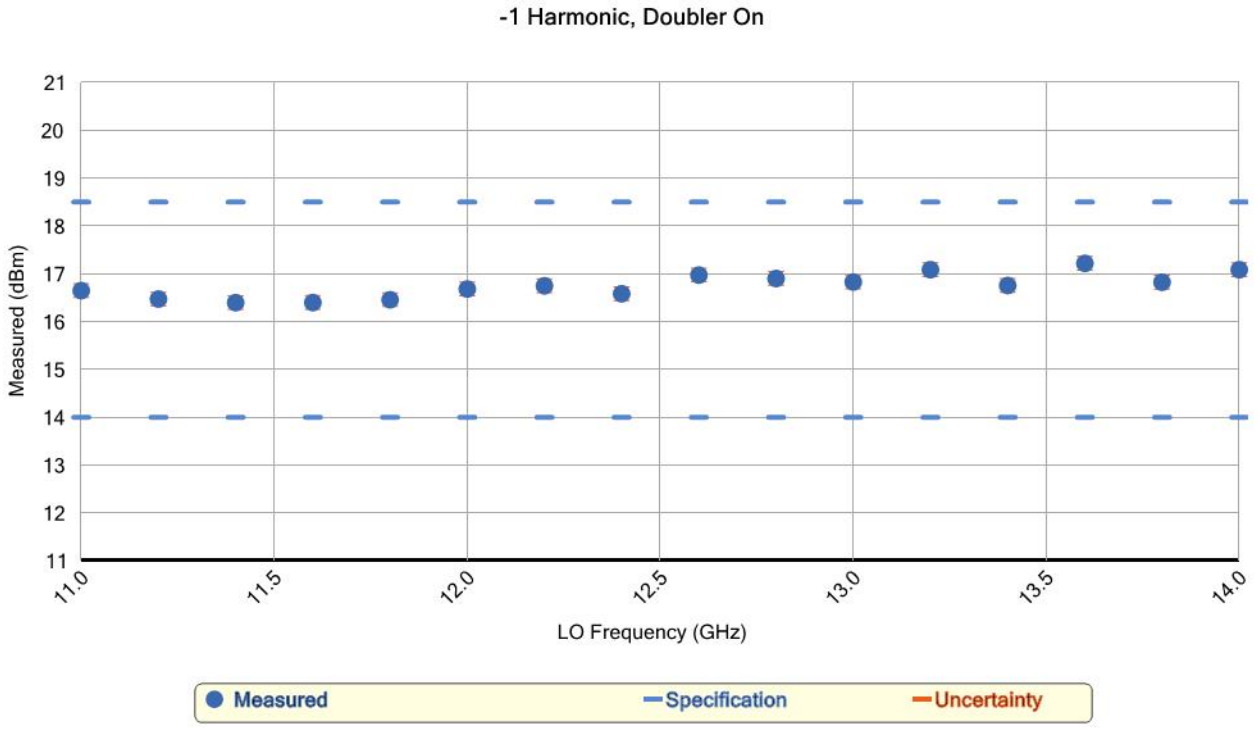
LO Output Power Accuracy Option EXM (cont.)



+1 Harmonic, Doubler On

LO Frequency	Minimum	Measured	Maximum	Uncert.	Status
7.80 GHz	14.00 dBm	16.259 dBm	18.50 dBm	0.14 dB	
8.00 GHz	14.00 dBm	16.440 dBm	18.50 dBm	0.14 dB	
8.20 GHz	14.00 dBm	16.376 dBm	18.50 dBm	0.14 dB	
8.40 GHz	14.00 dBm	16.185 dBm	18.50 dBm	0.14 dB	
8.60 GHz	14.00 dBm	16.493 dBm	18.50 dBm	0.14 dB	
8.80 GHz	14.00 dBm	16.397 dBm	18.50 dBm	0.14 dB	
9.00 GHz	14.00 dBm	16.307 dBm	18.50 dBm	0.14 dB	
9.20 GHz	14.00 dBm	16.451 dBm	18.50 dBm	0.14 dB	
9.40 GHz	14.00 dBm	16.379 dBm	18.50 dBm	0.14 dB	
9.60 GHz	14.00 dBm	16.547 dBm	18.50 dBm	0.14 dB	
9.80 GHz	14.00 dBm	16.378 dBm	18.50 dBm	0.14 dB	
10.00 GHz	14.00 dBm	16.521 dBm	18.50 dBm	0.14 dB	
10.20 GHz	14.00 dBm	16.537 dBm	18.50 dBm	0.14 dB	
10.40 GHz	14.00 dBm	16.371 dBm	18.50 dBm	0.14 dB	
10.60 GHz	14.00 dBm	16.478 dBm	18.50 dBm	0.14 dB	
10.80 GHz	14.00 dBm	16.262 dBm	18.50 dBm	0.14 dB	

LO Output Power Accuracy Option EXM (cont.)



-1 Harmonic, Doubler On

LO Frequency	Minimum	Measured	Maximum	Uncert.	Status
11.00 GHz	14.00 dBm	16.649 dBm	18.50 dBm	0.14 dB	
11.20 GHz	14.00 dBm	16.473 dBm	18.50 dBm	0.14 dB	
11.40 GHz	14.00 dBm	16.398 dBm	18.50 dBm	0.14 dB	
11.60 GHz	14.00 dBm	16.400 dBm	18.50 dBm	0.14 dB	
11.80 GHz	14.00 dBm	16.459 dBm	18.50 dBm	0.14 dB	
12.00 GHz	14.00 dBm	16.682 dBm	18.50 dBm	0.14 dB	
12.20 GHz	14.00 dBm	16.749 dBm	18.50 dBm	0.14 dB	
12.40 GHz	14.00 dBm	16.584 dBm	18.50 dBm	0.14 dB	
12.60 GHz	14.00 dBm	16.975 dBm	18.50 dBm	0.14 dB	
12.80 GHz	14.00 dBm	16.903 dBm	18.50 dBm	0.14 dB	
13.00 GHz	14.00 dBm	16.830 dBm	18.50 dBm	0.14 dB	
13.20 GHz	14.00 dBm	17.087 dBm	18.50 dBm	0.14 dB	
13.40 GHz	14.00 dBm	16.757 dBm	18.50 dBm	0.14 dB	
13.60 GHz	14.00 dBm	17.219 dBm	18.50 dBm	0.14 dB	
13.80 GHz	14.00 dBm	16.826 dBm	18.50 dBm	0.15 dB	
14.00 GHz	14.00 dBm	17.086 dBm	18.50 dBm	0.15 dB	

Internal Alignment — As Expected

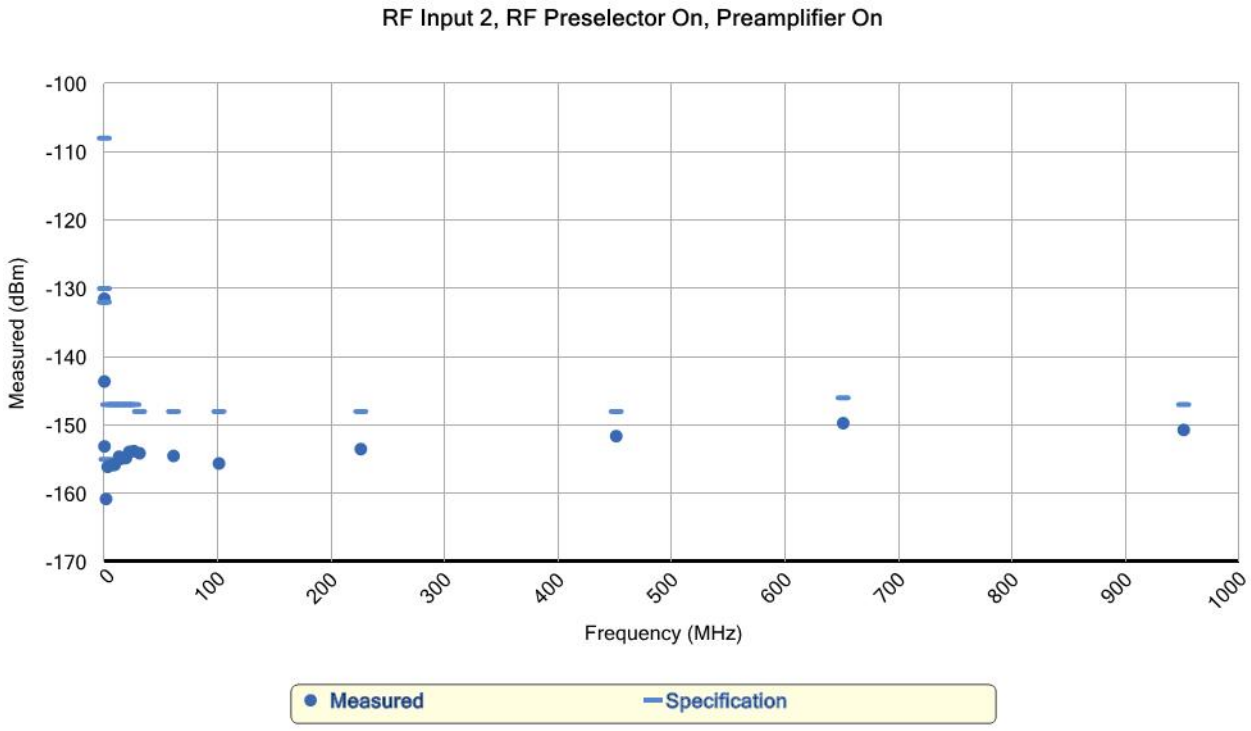
Test Condition	Result
Functional Check	DONE

MIL STD RBW Selectivity — As Expected

RBW Setting	Measured RBW	Minimum	Measured	Maximum	Status
0.010 kHz	0.010 kHz	−10.0 %	−3.77 %	10.0 %	
0.100 kHz	0.096 kHz	−10.0 %	−4.31 %	10.0 %	
1.000 kHz	0.958 kHz	−10.0 %	−4.18 %	10.0 %	
10.000 kHz	9.576 kHz	−10.0 %	−4.24 %	10.0 %	
100.000 kHz	96.554 kHz	−10.0 %	−3.45 %	10.0 %	
1000.000 kHz	954.745 kHz	−10.0 %	−4.53 %	10.0 %	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Displayed Average Noise Level RF2 — As Expected

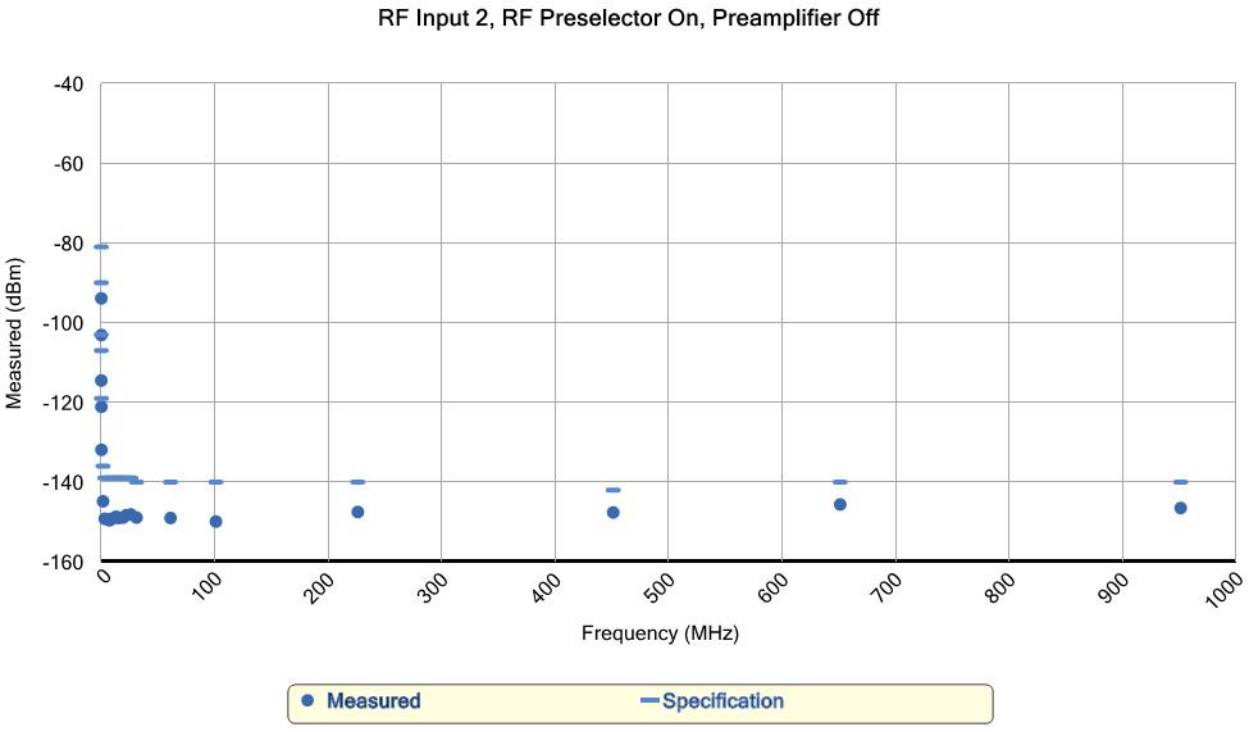


Displayed Average Noise Level RF2 (cont.)

RF Input 2, RF Preselector On, Preamplifier On

Frequency	Measured	Maximum	Status
0.00100 MHz	−131.5 dBm	−108 dBm	
0.00900 MHz	−143.6 dBm	−132 dBm	
0.10000 MHz	−153.1 dBm	−130 dBm	
1.50000 MHz	−160.8 dBm	−155 dBm	
3.00000 MHz	−156.1 dBm	−147 dBm	
7.00000 MHz	−155.8 dBm	−147 dBm	
9.00000 MHz	−155.8 dBm	−147 dBm	
13.00000 MHz	−154.6 dBm	−147 dBm	
15.00000 MHz	−154.9 dBm	−147 dBm	
19.00000 MHz	−154.8 dBm	−147 dBm	
22.00000 MHz	−153.9 dBm	−147 dBm	
26.00000 MHz	−153.8 dBm	−147 dBm	
31.00000 MHz	−154.1 dBm	−148 dBm	
61.00000 MHz	−154.5 dBm	−148 dBm	
101.00000 MHz	−155.6 dBm	−148 dBm	
226.00000 MHz	−153.5 dBm	−148 dBm	
451.00000 MHz	−151.6 dBm	−148 dBm	
651.00000 MHz	−149.7 dBm	−146 dBm	
951.00000 MHz	−150.7 dBm	−147 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.



Displayed Average Noise Level RF2 (cont.)

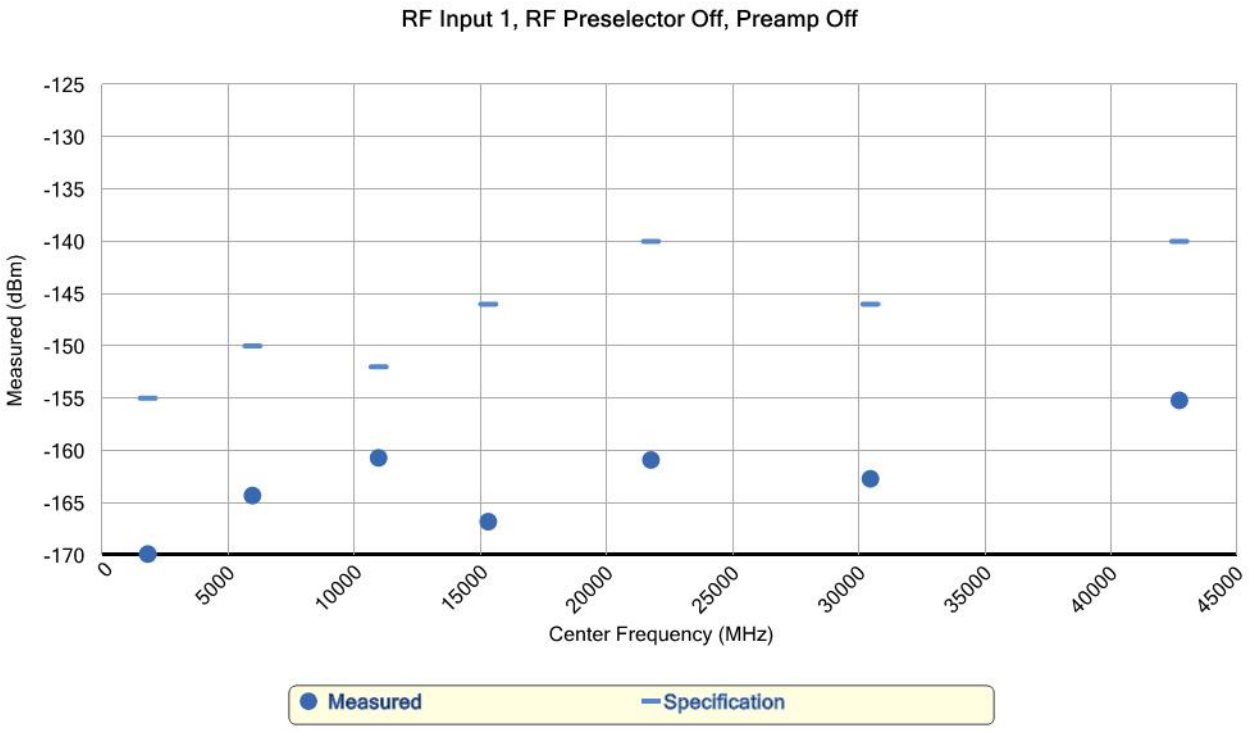
RF Input 2, RF Preselector On, Preamplifier Off

Frequency	Measured	Maximum	Status
0.00002 MHz	−93.9 dBm	−81 dBm	
0.00010 MHz	−103.1 dBm	−90 dBm	
0.00100 MHz	−114.5 dBm	−103 dBm	
0.00900 MHz	−121.1 dBm	−107 dBm	
0.10000 MHz	−131.9 dBm	−119 dBm	
1.50000 MHz	−144.8 dBm	−136 dBm	
3.00000 MHz	−149.2 dBm	−139 dBm	
7.00000 MHz	−149.6 dBm	−139 dBm	
9.00000 MHz	−149.2 dBm	−139 dBm	
13.00000 MHz	−148.7 dBm	−139 dBm	
15.00000 MHz	−149.0 dBm	−139 dBm	
19.00000 MHz	−148.9 dBm	−139 dBm	
22.00000 MHz	−148.3 dBm	−139 dBm	
26.00000 MHz	−148.1 dBm	−139 dBm	
31.00000 MHz	−148.9 dBm	−140 dBm	
61.00000 MHz	−149.0 dBm	−140 dBm	
101.00000 MHz	−149.9 dBm	−140 dBm	
226.00000 MHz	−147.5 dBm	−140 dBm	
451.00000 MHz	−147.6 dBm	−142 dBm	
651.00000 MHz	−145.6 dBm	−140 dBm	
951.00000 MHz	−146.5 dBm	−140 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Effective DANL Option NFE

As Expected

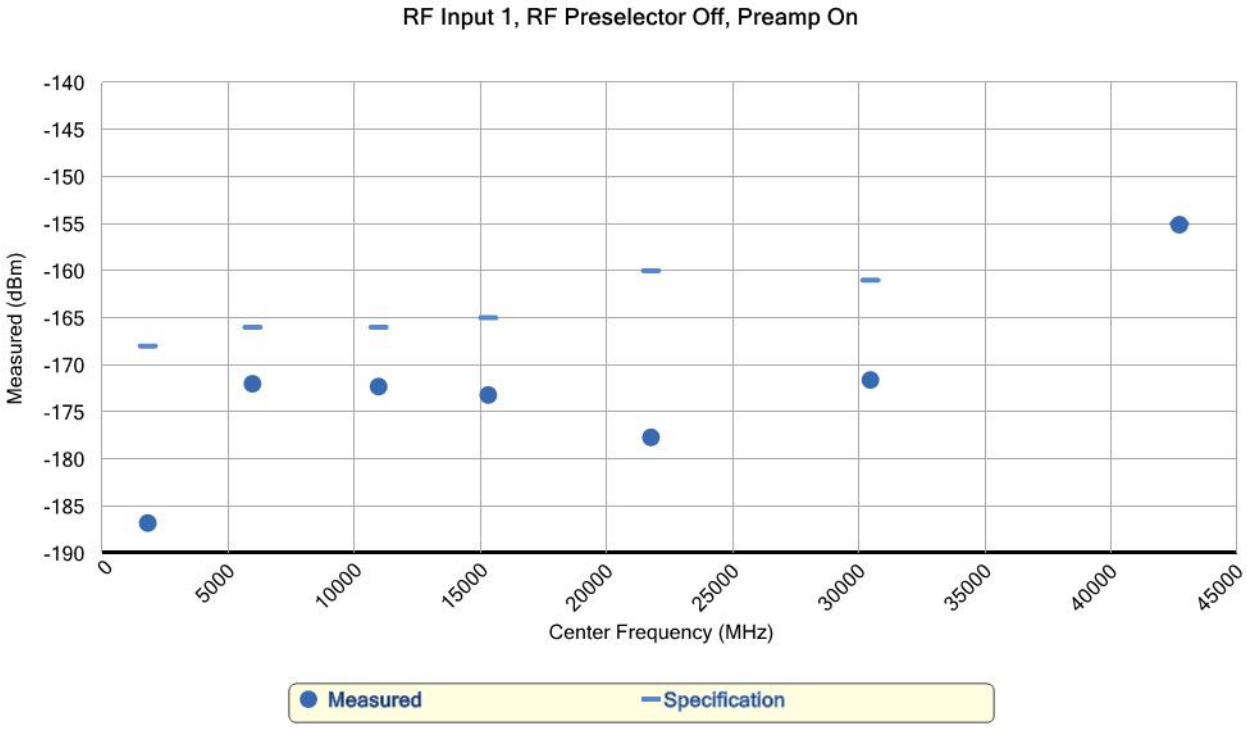


RF Input 1, RF Preselector Off, Preamp Off

Center Frequency	Noise Improvement	Measured	Maximum	Status
1803.14 MHz	−13.73 dB	−169.9 dBm	−155 dBm	
5953.14 MHz	−12.66 dB	−164.3 dBm	−150 dBm	
10953.14 MHz	−9.23 dB	−160.7 dBm	−152 dBm	
15303.14 MHz	−16.50 dB	−166.8 dBm	−146 dBm	
21753.14 MHz	−13.34 dB	−160.9 dBm	−140 dBm	
30453.14 MHz	−16.47 dB	−162.7 dBm	−146 dBm	
42703.14 MHz	−15.78 dB	−155.2 dBm	−140 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Effective DANL Option NFE (cont.)

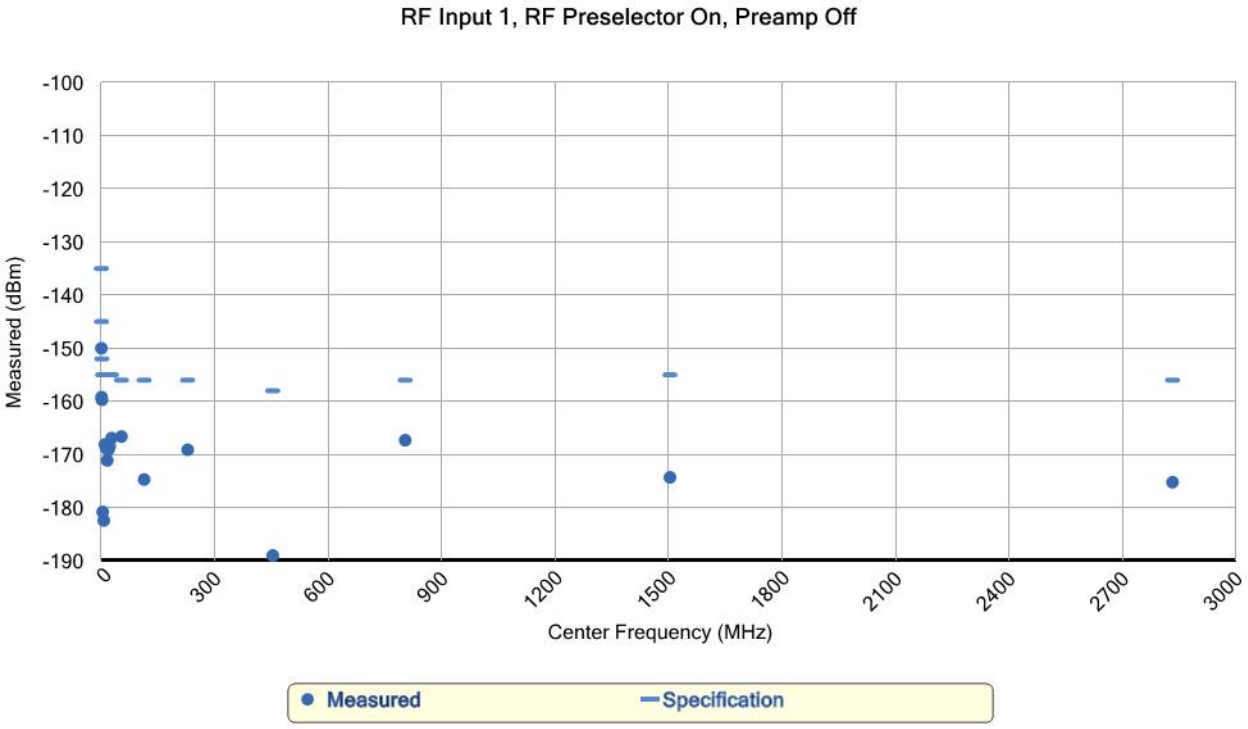


RF Input 1, RF Preselector Off, Preamp On

Center Frequency	Noise Improvement	Measured	Maximum	Status
1803.14 MHz	−20.88 dB	−186.8 dBm	−168 dBm	
5953.14 MHz	−7.87 dB	−172.0 dBm	−166 dBm	
10953.14 MHz	−8.20 dB	−172.3 dBm	−166 dBm	
15303.14 MHz	−8.99 dB	−173.2 dBm	−165 dBm	
21753.14 MHz	−15.60 dB	−177.7 dBm	−160 dBm	
30453.14 MHz	−12.30 dB	−171.6 dBm	−161 dBm	
42703.14 MHz	−2.87 dB	−155.1 dBm	−155 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Effective DANL Option NFE (cont.)

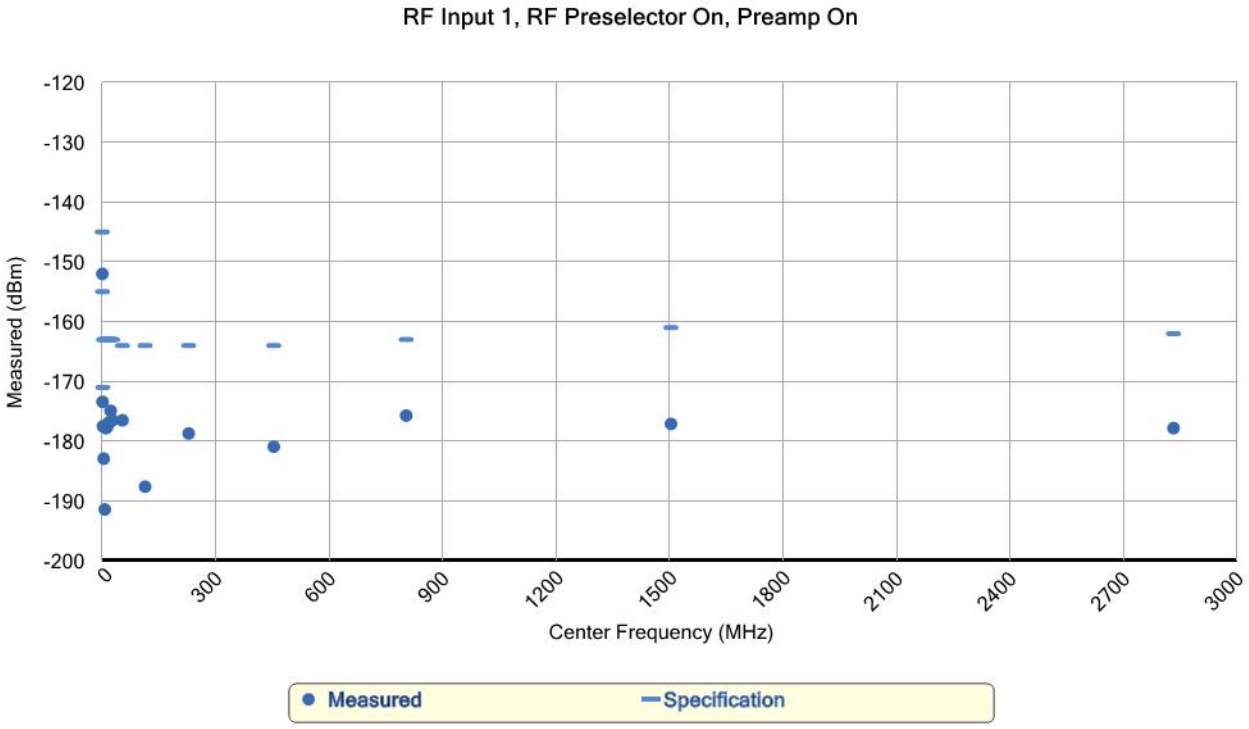


RF Input 1, RF Preselector On, Preamp Off

Center Frequency	Noise Improvement	Measured	Maximum	Status
0.12 MHz	−8.61 dB	−150.0 dBm	−135 dBm	
0.58 MHz	−9.56 dB	−159.2 dBm	−145 dBm	
1.50 MHz	−5.54 dB	−159.7 dBm	−152 dBm	
3.50 MHz	−22.27 dB	−180.8 dBm	−155 dBm	
6.50 MHz	−25.21 dB	−182.4 dBm	−155 dBm	
9.50 MHz	−9.62 dB	−168.1 dBm	−155 dBm	
12.50 MHz	−10.38 dB	−168.8 dBm	−155 dBm	
15.50 MHz	−12.84 dB	−171.1 dBm	−155 dBm	
18.50 MHz	−10.86 dB	−169.1 dBm	−155 dBm	
22.00 MHz	−11.11 dB	−168.5 dBm	−155 dBm	
27.00 MHz	−9.54 dB	−166.9 dBm	−155 dBm	
53.14 MHz	−8.32 dB	−166.6 dBm	−156 dBm	
113.14 MHz	−15.84 dB	−174.7 dBm	−156 dBm	
228.14 MHz	−12.09 dB	−169.1 dBm	−156 dBm	
453.14 MHz	−31.49 dB	−189.0 dBm	−158 dBm	
803.14 MHz	−11.05 dB	−167.3 dBm	−156 dBm	
1503.14 MHz	−20.16 dB	−174.3 dBm	−155 dBm	
2831.42 MHz	−20.59 dB	−175.2 dBm	−156 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Effective DANL Option NFE (cont.)



RF Input 1, RF Preselector On, Preamp On

Center Frequency	Noise Improvement	Measured	Maximum	Status
0.12 MHz	−0.32 dB	−152.0 dBm	−145 dBm	
0.58 MHz	−6.94 dB	−173.4 dBm	−155 dBm	
1.50 MHz	−7.79 dB	−177.5 dBm	−171 dBm	
3.50 MHz	−17.92 dB	−182.9 dBm	−163 dBm	
6.50 MHz	−28.28 dB	−191.4 dBm	−163 dBm	
9.50 MHz	−13.32 dB	−177.8 dBm	−163 dBm	
12.50 MHz	−13.70 dB	−177.6 dBm	−163 dBm	
15.50 MHz	−13.26 dB	−177.0 dBm	−163 dBm	
18.50 MHz	−13.14 dB	−176.8 dBm	−163 dBm	
22.00 MHz	−12.20 dB	−174.9 dBm	−163 dBm	
27.00 MHz	−13.79 dB	−176.5 dBm	−163 dBm	
53.14 MHz	−12.80 dB	−176.5 dBm	−164 dBm	
113.14 MHz	−22.87 dB	−187.6 dBm	−164 dBm	
228.14 MHz	−16.03 dB	−178.7 dBm	−164 dBm	
453.14 MHz	−19.71 dB	−180.9 dBm	−164 dBm	
803.14 MHz	−15.07 dB	−175.7 dBm	−163 dBm	
1503.14 MHz	−18.09 dB	−177.1 dBm	−161 dBm	
2831.42 MHz	−15.92 dB	−177.8 dBm	−162 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Effective DANL Option NFE (cont.)

RF Input 2, RF Preselector Off, Preamp Off

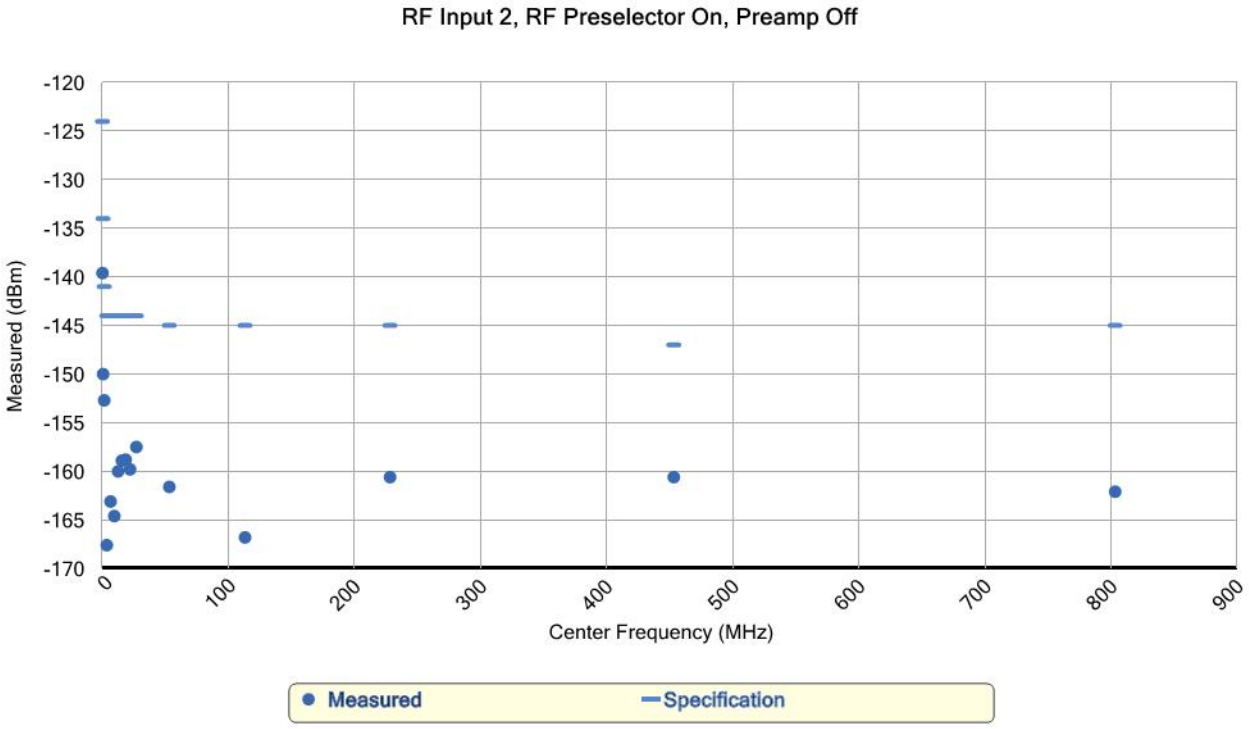
Center Frequency	Noise Improvement	Measured	Maximum	Status
504.14 MHz	−12.10 dB	−160.7 dBm	−144 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

RF Input 2, RF Preselector Off, Preamp On

Center Frequency	Noise Improvement	Measured	Maximum	Status
504.14 MHz	−19.28 dB	−176.9 dBm	−157 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.



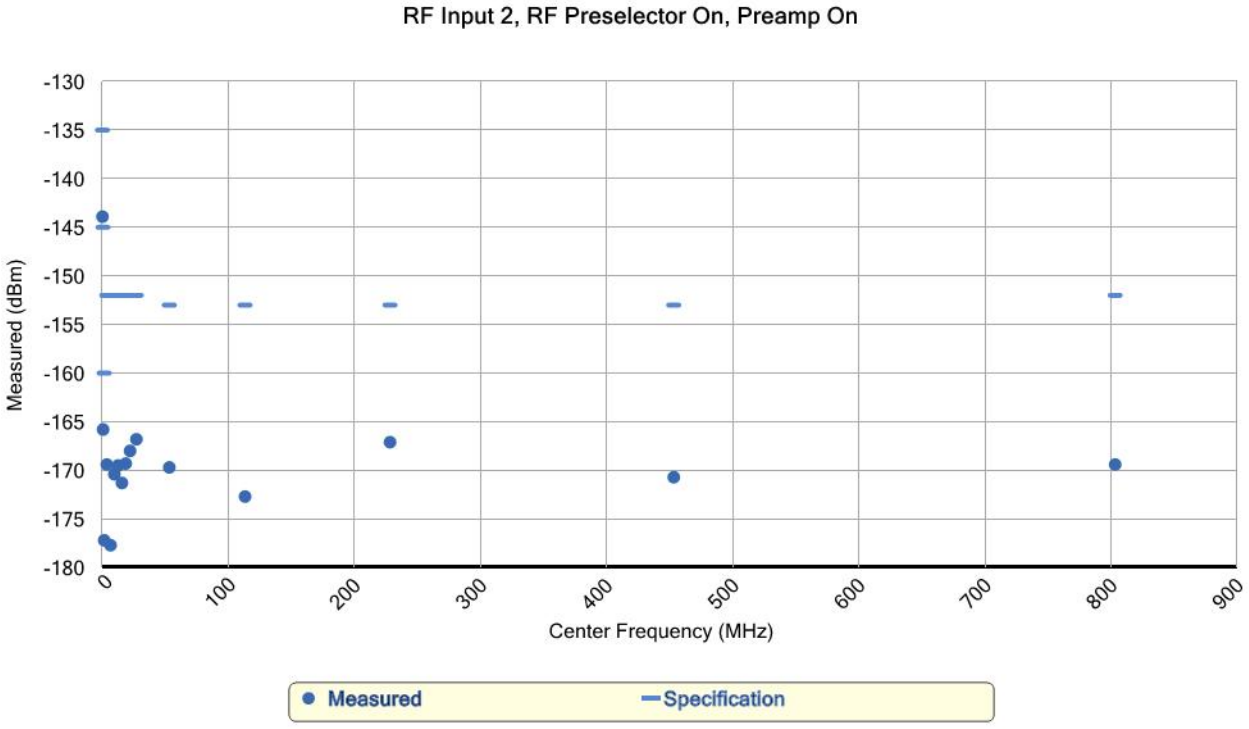
RF Input 2, RF Preselector On, Preamp Off

Center Frequency	Noise Improvement	Measured	Maximum	Status
0.12 MHz	−7.07 dB	−139.6 dBm	−124 dBm	
0.58 MHz	−9.39 dB	−150.0 dBm	−134 dBm	
1.50 MHz	−7.50 dB	−152.7 dBm	−141 dBm	

Effective DANL Option NFE (cont.)

Center Frequency	Noise Improvement	Measured	Maximum	Status
3.50 MHz	−18.37 dB	−167.6 dBm	−144 dBm	
6.50 MHz	−14.92 dB	−163.1 dBm	−144 dBm	
9.50 MHz	−15.20 dB	−164.6 dBm	−144 dBm	
12.50 MHz	−10.74 dB	−160.0 dBm	−144 dBm	
15.50 MHz	−9.81 dB	−158.9 dBm	−144 dBm	
18.50 MHz	−9.66 dB	−158.8 dBm	−144 dBm	
22.00 MHz	−11.61 dB	−159.8 dBm	−144 dBm	
27.00 MHz	−9.31 dB	−157.5 dBm	−144 dBm	
53.14 MHz	−12.53 dB	−161.6 dBm	−145 dBm	
113.14 MHz	−17.21 dB	−166.8 dBm	−145 dBm	
228.14 MHz	−13.03 dB	−160.6 dBm	−145 dBm	
453.14 MHz	−13.07 dB	−160.6 dBm	−147 dBm	
803.14 MHz	−16.17 dB	−162.1 dBm	−145 dBm	

Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.



RF Input 2, RF Preselector On, Preamp On

Center Frequency	Noise Improvement	Measured	Maximum	Status
0.12 MHz	−0.39 dB	−143.9 dBm	−135 dBm	

Effective DANL Option NFE (cont.)

Center Frequency	Noise Improvement	Measured	Maximum	Status
0.58 MHz	−8.32 dB	−165.8 dBm	−145 dBm	
1.50 MHz	−16.51 dB	−177.2 dBm	−160 dBm	
3.50 MHz	−13.44 dB	−169.4 dBm	−152 dBm	
6.50 MHz	−23.62 dB	−177.7 dBm	−152 dBm	
9.50 MHz	−15.01 dB	−170.4 dBm	−152 dBm	
12.50 MHz	−14.71 dB	−169.5 dBm	−152 dBm	
15.50 MHz	−16.69 dB	−171.3 dBm	−152 dBm	
18.50 MHz	−14.81 dB	−169.3 dBm	−152 dBm	
22.00 MHz	−14.43 dB	−168.0 dBm	−152 dBm	
27.00 MHz	−13.28 dB	−166.8 dBm	−152 dBm	
53.14 MHz	−15.22 dB	−169.7 dBm	−153 dBm	
113.14 MHz	−17.39 dB	−172.7 dBm	−153 dBm	
228.14 MHz	−13.99 dB	−167.1 dBm	−153 dBm	
453.14 MHz	−19.49 dB	−170.7 dBm	−153 dBm	
803.14 MHz	−19.27 dB	−169.4 dBm	−152 dBm	

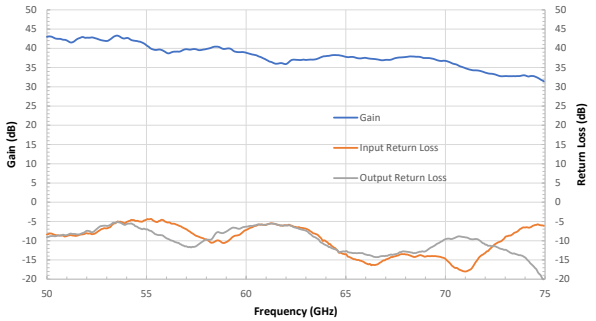
Note: This is not a published warranted specification. The test limits have been set to ensure that the hardware is functional.

Eravant **SBL-5037533550-1515-E1(06648-01) Raw Test Data** **50 - 75 GHz Pre-Amplifier**

Gain		Input Return Loss		Output Return Loss		Gain Ref:	35	Freq	Gain	Input Return Loss	Output Return Loss	
50000000000	7.982	50000000000	-8.378	50000000000	-9.125	Tested By:	LB	50	42.982	-8.378	-9.125	5.934
50062344140	8.084	50062344140	-8.281	50062344140	-9.018	Date:	9/14/2020	50.06234	43.084	-8.281	-9.018	
50124688279	8.103	50124688279	-8.13	50124688279	-8.897			50.12469	43.103	-8.13	-8.897	
50187032419	8.072	50187032419	-8.119	50187032419	-8.806			50.18703	43.072	-8.119	-8.806	
50249376559	7.993	50249376559	-8.183	50249376559	-8.795			50.24938	42.993	-8.183	-8.795	
50311720698	7.842	50311720698	-8.325	50311720698	-8.779			50.31172	42.842	-8.325	-8.779	
50374064838	7.674	50374064838	-8.435	50374064838	-8.825			50.37406	42.674	-8.435	-8.825	
50436408978	7.548	50436408978	-8.537	50436408978	-8.828			50.43641	42.548	-8.537	-8.828	
50498753117	7.488	50498753117	-8.592	50498753117	-8.732			50.49875	42.488	-8.592	-8.732	
50561097257	7.471	50561097257	-8.595	50561097257	-8.641			50.5611	42.471	-8.595	-8.641	
50623441397	7.468	50623441397	-8.641	50623441397	-8.68			50.62344	42.468	-8.641	-8.68	
50685785536	7.441	50685785536	-8.652	50685785536	-8.61			50.68579	42.441	-8.652	-8.61	
50748129676	7.328	50748129676	-8.682	50748129676	-8.531			50.74813	42.328	-8.682	-8.531	
50810473815	7.242	50810473815	-8.638	50810473815	-8.44			50.81047	42.242	-8.638	-8.44	
50872817955	7.221	50872817955	-8.885	50872817955	-8.528			50.87282	42.221	-8.885	-8.528	
50935162095	7.18	50935162095	-8.861	50935162095	-8.575			50.93516	42.18	-8.861	-8.575	
50997506234	7.045	50997506234	-8.79	50997506234	-8.529			50.99751	42.045	-8.79	-8.529	
51059850374	6.87	51059850374	-8.654	51059850374	-8.415			51.05985	41.87	-8.654	-8.415	
51122194514	6.666	51122194514	-8.591	51122194514	-8.259			51.12219	41.666	-8.591	-8.259	
51184538653	6.532	51184538653	-8.545	51184538653	-8.144			51.18454	41.532	-8.545	-8.144	
51246882793	6.534	51246882793	-8.599	51246882793	-8.196			51.24688	41.534	-8.599	-8.196	
51309226933	6.639	51309226933	-8.668	51309226933	-8.262			51.30923	41.639	-8.668	-8.262	
51371571072	6.825	51371571072	-8.672	51371571072	-8.227			51.37157	41.825	-8.672	-8.227	
51433915212	7.097	51433915212	-8.757	51433915212	-8.268			51.43392	42.097	-8.757	-8.268	
51496259352	7.336	51496259352	-8.702	51496259352	-8.369			51.49626	42.336	-8.702	-8.369	
51558603491	7.515	51558603491	-8.63	51558603491	-8.347			51.5586	42.515	-8.63	-8.347	
51620947631	7.641	51620947631	-8.495	51620947631	-8.366			51.62095	42.641	-8.495	-8.366	
51683291771	7.765	51683291771	-8.419	51683291771	-8.232			51.68329	42.765	-8.419	-8.232	
51745635910	7.899	51745635910	-8.367	51745635910	-8.095			51.74564	42.899	-8.367	-8.095	
51807980050	7.94	51807980050	-8.33	51807980050	-7.968			51.80798	42.94	-8.33	-7.968	
51870324190	7.822	51870324190	-8.262	51870324190	-7.863			51.87032	42.822	-8.262	-7.863	
51932668329	7.729	51932668329	-8.125	51932668329	-7.625			51.93267	42.729	-8.125	-7.625	
51995012469	7.767	51995012469	-8.045	51995012469	-7.424			51.99501	42.767	-8.045	-7.424	
52057356608	7.767	52057356608	-8.149	52057356608	-7.446			52.05736	42.767	-8.149	-7.446	
52119700748	7.756	52119700748	-8.125	52119700748	-7.493			52.1197	42.756	-8.125	-7.493	
52182044888	7.784	52182044888	-8.111	52182044888	-7.619			52.18204	42.784	-8.111	-7.619	
52244389027	7.836	52244389027	-8.309	52244389027	-7.861			52.24439	42.836	-8.309	-7.861	
52306733167	7.812	52306733167	-8.254	52306733167	-7.743			52.30673	42.812	-8.254	-7.743	
52369077307	7.713	52369077307	-8.216	52369077307	-7.562			52.36908	42.713	-8.216	-7.562	
52431421446	7.617	52431421446	-8.05	52431421446	-7.251			52.43142	42.617	-8.05	-7.251	
52493765586	7.532	52493765586	-7.858	52493765586	-6.979			52.49377	42.532	-7.858	-6.979	
52556109726	7.411	52556109726	-7.594	52556109726	-6.702			52.55611	42.411	-7.594	-6.702	
52618453865	7.292	52618453865	-7.391	52618453865	-6.452			52.61845	42.292	-7.391	-6.452	
52680798005	7.185	52680798005	-7.168	52680798005	-6.237			52.6808	42.185	-7.168	-6.237	
52743142145	7.097	52743142145	-6.969	52743142145	-6.183			52.74314	42.097	-6.969	-6.183	
52805486284	7.034	52805486284	-6.897	52805486284	-6.119			52.80549	42.034	-6.897	-6.119	
52867830424	6.977	52867830424	-6.749	52867830424	-6.101			52.86783	41.977	-6.749	-6.101	
52930174564	6.932	52930174564	-6.776	52930174564	-6.092			52.93017	41.932	-6.776	-6.092	
52992518703	6.905	52992518703	-6.792	52992518703	-6.141			52.99252	41.905	-6.792	-6.141	
53054862843	6.952	53054862843	-6.705	53054862843	-6.136			53.05486	41.952	-6.705	-6.136	
53117206983	7.136	53117206983	-6.565	53117206983	-6.037			53.11721	42.136	-6.565	-6.037	
53179551122	7.342	53179551122	-6.438	53179551122	-5.867			53.17955	42.342	-6.438	-5.867	
53241895262	7.572	53241895262	-6.051	53241895262	-5.655			53.2419	42.572	-6.051	-5.655	
53304239401	7.842	53304239401	-5.716	53304239401	-5.37			53.30424	42.842	-5.716	-5.37	
53366583541	8.067	53366583541	-5.527	53366583541	-5.318			53.36658	43.067	-5.527	-5.318	
53428927681	8.198	53428927681	-5.469	53428927681	-5.337			53.42893	43.198	-5.469	-5.337	
53491271820	8.3	53491271820	-5.2	53491271820	-5.203			53.49127	43.3	-5.2	-5.203	
53553615960	8.284	53553615960	-4.985	53553615960	-5.1			53.55362	43.284	-4.985	-5.1	
53615960100	8.166	53615960100	-5.128	53615960100	-5.243			53.61596	43.166	-5.128	-5.243	
53678304239	7.981	53678304239	-5.032	53678304239	-5.31			53.6783	42.981	-5.032	-5.31	
53740648379	7.765	53740648379	-5.163	53740648379	-5.474			53.74065	42.765	-5.163	-5.474	
53802992519	7.622	53802992519	-5.235	53802992519	-5.652			53.80299	42.622	-5.235	-5.652	
53865336658	7.554	53865336658	-5.416	53865336658	-5.828			53.86534	42.554	-5.416	-5.828	
53927680798	7.606	53927680798	-5.408	53927680798	-5.875			53.92768	42.606	-5.408	-5.875	
53990024938	7.676	53990024938	-5.153	53990024938	-5.694			53.99002	42.676	-5.153	-5.694	
54052369077	7.699	54052369077	-5.015	54052369077	-5.586			54.05237	42.699	-5.015	-5.586	
54114713217	7.556	54114713217	-4.881	54114713217	-5.559			54.11471	42.556	-4.881	-5.559	
54177057357	7.342	54177057357	-4.788	54177057357	-5.565			54.17706	42.342	-4.788	-5.565	
54239401496	7.15	54239401496	-4.56	54239401496	-5.496			54.2394	42.15	-4.56	-5.496	
54301745636	7.059	54301745636	-4.658	54301745636	-5.729			54.30175	42.059	-4.658	-5.729	
54364089776	7.004	54364089776	-4.623	54364089776	-5.821			54.36409	42.004	-4.623	-5.821	
54426433915	6.944	54426433915	-4.832	54426433915	-6.194			54.42643	41.944	-4.832	-6.194	

Gain and Return Loss vs. Frequency

Bias: +8 V_{DC}/151 mA



54488778055	6.917	54488778055	-4.859	54488778055	-6.273
54551122195	6.856	54551122195	-4.818	54551122195	-6.457
54613466334	6.757	54613466334	-4.972	54613466334	-6.696
54675810474	6.727	54675810474	-4.999	54675810474	-6.787
54738154613	6.584	54738154613	-5.059	54738154613	-6.943
54800498753	6.449	54800498753	-4.999	54800498753	-6.999
54862842893	6.288	54862842893	-4.768	54862842893	-6.85
54925187032	6.076	54925187032	-4.675	54925187032	-6.985
54987531172	5.812	54987531172	-4.541	54987531172	-7.056
55049875312	5.582	55049875312	-4.367	55049875312	-7.05
55112219451	5.386	55112219451	-4.445	55112219451	-7.276
55174563591	5.087	55174563591	-4.386	55174563591	-7.41
55236907731	4.895	55236907731	-4.342	55236907731	-7.479
55299251870	4.762	55299251870	-4.62	55299251870	-7.743
55361596010	4.666	55361596010	-4.842	55361596010	-7.976
55423940150	4.587	55423940150	-5.008	55423940150	-8.271
55486284289	4.59	55486284289	-5.12	55486284289	-8.369
55548628429	4.628	55548628429	-5.13	55548628429	-8.476
55610972569	4.691	55610972569	-4.897	55610972569	-8.537
55673316708	4.683	55673316708	-4.823	55673316708	-8.526
55735660848	4.603	55735660848	-4.584	55735660848	-8.572
55798004988	4.483	55798004988	-4.587	55798004988	-8.603
55860349127	4.304	55860349127	-4.73	55860349127	-8.825
55922693267	4.12	55922693267	-5.018	55922693267	-9.08
55985037406	3.906	55985037406	-5.125	55985037406	-9.311
56047381546	3.741	56047381546	-5.266	56047381546	-9.473
56109725686	3.697	56109725686	-5.249	56109725686	-9.586
56172069825	3.777	56172069825	-5.296	56172069825	-9.778
56234413965	3.927	56234413965	-5.531	56234413965	-9.926
56296758105	4.056	56296758105	-5.582	56296758105	-9.998
56359102244	4.117	56359102244	-5.57	56359102244	-10.129
56421446384	4.145	56421446384	-5.638	56421446384	-10.335
56483790524	4.14	56483790524	-5.787	56483790524	-10.404
56546134663	4.167	56546134663	-5.889	56546134663	-10.534
56608478803	4.128	56608478803	-6.059	56608478803	-10.569
56670822943	4.172	56670822943	-6.197	56670822943	-10.844
56733167082	4.294	56733167082	-6.29	56733167082	-10.971
56795511222	4.469	56795511222	-6.537	56795511222	-11.187
56857855362	4.615	56857855362	-6.674	56857855362	-11.261
56920199501	4.73	56920199501	-6.853	56920199501	-11.467
56982543641	4.771	56982543641	-6.976	56982543641	-11.445
57044887781	4.752	57044887781	-7.193	57044887781	-11.574
57107231920	4.699	57107231920	-7.438	57107231920	-11.682
57169576060	4.655	57169576060	-7.605	57169576060	-11.593
57231920200	4.691	57231920200	-7.886	57231920200	-11.742
57294264339	4.763	57294264339	-8.07	57294264339	-11.588
57356608479	4.804	57356608479	-8.284	57356608479	-11.613
57418952618	4.81	57418952618	-8.509	57418952618	-11.561
57481296758	4.757	57481296758	-8.712	57481296758	-11.434
57543640898	4.664	57543640898	-8.809	57543640898	-11.215
57605985037	4.546	57605985037	-8.93	57605985037	-10.973
57668329177	4.524	57668329177	-9.073	57668329177	-10.732
57730673317	4.559	57730673317	-9.196	57730673317	-10.49
57793017456	4.625	57793017456	-9.295	57793017456	-10.281
57855361596	4.686	57855361596	-9.405	57855361596	-10.07
57917705736	4.727	57917705736	-9.624	57917705736	-9.846
57980049875	4.798	57980049875	-9.605	57980049875	-9.742
58042394015	4.873	58042394015	-9.789	58042394015	-9.723
58104738155	4.944	58104738155	-9.976	58104738155	-9.72
58167082294	5.026	58167082294	-10.25	58167082294	-9.75
58229426434	5.117	58229426434	-10.503	58229426434	-9.717
58291770574	5.258	58291770574	-10.506	58291770574	-9.473
58354114713	5.364	58354114713	-10.446	58354114713	-9.004
58416458853	5.438	58416458853	-10.253	58416458853	-8.487
58478802993	5.435	58478802993	-10.064	58478802993	-8.059
58541147132	5.444	58541147132	-9.921	58541147132	-7.817
58603491272	5.389	58603491272	-9.924	58603491272	-7.754
58665835411	5.295	58665835411	-10.053	58665835411	-7.881
58728179551	5.115	58728179551	-10.259	58728179551	-7.979
58790523691	4.949	58790523691	-10.512	58790523691	-8.023
58852867830	4.847	58852867830	-10.591	58852867830	-7.993
58915211970	4.84	58915211970	-10.569	58915211970	-7.842
58977556110	4.889	58977556110	-10.399	58977556110	-7.691
59039900249	4.947	59039900249	-10.264	59039900249	-7.504

54.48878	41.917	-4.859	-6.273
54.55112	41.856	-4.818	-6.457
54.61347	41.757	-4.972	-6.696
54.67581	41.727	-4.999	-6.787
54.73815	41.584	-5.059	-6.943
54.8005	41.449	-4.999	-6.999
54.86284	41.288	-4.768	-6.85
54.92519	41.076	-4.675	-6.985
54.98753	40.812	-4.541	-7.056
55.04988	40.582	-4.367	-7.05
55.11222	40.386	-4.445	-7.276
55.17456	40.087	-4.386	-7.41
55.23691	39.895	-4.342	-7.479
55.29925	39.762	-4.62	-7.743
55.3616	39.666	-4.842	-7.976
55.42394	39.587	-5.008	-8.271
55.48628	39.59	-5.12	-8.369
55.54863	39.628	-5.13	-8.476
55.61097	39.691	-4.897	-8.537
55.67332	39.683	-4.823	-8.526
55.73566	39.603	-4.584	-8.572
55.798	39.483	-4.587	-8.603
55.86035	39.304	-4.73	-8.825
55.92269	39.12	-5.018	-9.08
55.98504	38.906	-5.125	-9.311
56.04738	38.741	-5.266	-9.473
56.10973	38.697	-5.249	-9.586
56.17207	38.777	-5.296	-9.778
56.23441	38.927	-5.531	-9.926
56.29676	39.056	-5.582	-9.998
56.3591	39.117	-5.57	-10.129
56.42145	39.145	-5.638	-10.335
56.48379	39.14	-5.787	-10.404
56.54613	39.167	-5.889	-10.534
56.60848	39.128	-6.059	-10.569
56.67082	39.172	-6.197	-10.844
56.73317	39.294	-6.29	-10.971
56.79551	39.469	-6.537	-11.187
56.85786	39.615	-6.674	-11.261
56.9202	39.73	-6.853	-11.467
56.98254	39.771	-6.976	-11.445
57.04489	39.752	-7.193	-11.574
57.10723	39.699	-7.438	-11.682
57.16958	39.655	-7.605	-11.593
57.23192	39.691	-7.886	-11.742
57.29426	39.763	-8.07	-11.588
57.35661	39.804	-8.284	-11.613
57.41895	39.81	-8.509	-11.561
57.4813	39.757	-8.712	-11.434
57.54364	39.664	-8.809	-11.215
57.60599	39.546	-8.93	-10.973
57.66833	39.524	-9.073	-10.732
57.73067	39.559	-9.196	-10.49
57.79302	39.625	-9.295	-10.281
57.85536	39.686	-9.405	-10.07
57.91771	39.727	-9.624	-9.846
57.98005	39.798	-9.605	-9.742
58.04239	39.873	-9.789	-9.723
58.10474	39.944	-9.976	-9.72
58.16708	40.026	-10.25	-9.75
58.22943	40.117	-10.503	-9.717
58.29177	40.258	-10.506	-9.473
58.35411	40.364	-10.446	-9.004
58.41646	40.438	-10.253	-8.487
58.4788	40.435	-10.064	-8.059
58.54115	40.444	-9.921	-7.817
58.60349	40.389	-9.924	-7.754
58.66584	40.295	-10.053	-7.881
58.72818	40.115	-10.259	-7.979
58.79052	39.949	-10.512	-8.023
58.85287	39.847	-10.591	-7.993
58.91521	39.84	-10.569	-7.842
58.97756	39.889	-10.399	-7.691
59.0399	39.947	-10.264	-7.504

59102244389	4.977	59102244389	-10.031	59102244389	-7.287
59164588529	4.957	59164588529	-9.767	59164588529	-7.051
59226932668	4.85	59226932668	-9.492	59226932668	-6.861
59289276808	4.644	59289276808	-9.149	59289276808	-6.672
59351620948	4.381	59351620948	-8.927	59351620948	-6.59
59413965087	4.191	59413965087	-8.748	59413965087	-6.642
59476309227	4.109	59476309227	-8.668	59476309227	-6.663
59538653367	4.046	59538653367	-8.641	59538653367	-6.787
59600997506	4.013	59600997506	-8.564	59600997506	-6.872
59663341646	4.013	59663341646	-8.465	59663341646	-6.899
59725685786	4.011	59725685786	-8.216	59725685786	-6.774
59788029925	4.037	59788029925	-7.96	59788029925	-6.617
59850374065	4.024	59850374065	-7.668	59850374065	-6.457
59912718204	3.967	59912718204	-7.391	59912718204	-6.421
59975062344	3.897	59975062344	-7.254	59975062344	-6.356
60037406484	3.787	60037406484	-7.119	60037406484	-6.331
60099750623	3.708	60099750623	-6.949	60099750623	-6.287
60162094763	3.606	60162094763	-6.754	60162094763	-6.166
60224438903	3.522	60224438903	-6.617	60224438903	-6.15
60286783042	3.422	60286783042	-6.523	60286783042	-6.155
60349127182	3.37	60349127182	-6.381	60349127182	-6.114
60411471322	3.307	60411471322	-6.175	60411471322	-6.015
60473815461	3.239	60473815461	-6.144	60473815461	-5.976
60536159601	3.142	60536159601	-6.029	60536159601	-5.853
60598503741	2.969	60598503741	-5.84	60598503741	-5.771
60660847880	2.845	60660847880	-5.809	60660847880	-5.76
60723192020	2.746	60723192020	-5.829	60723192020	-5.829
60785536160	2.598	60785536160	-5.754	60785536160	-5.823
60847880299	2.428	60847880299	-5.892	60847880299	-5.867
60910224439	2.294	60910224439	-5.897	60910224439	-5.836
60972568579	2.128	60972568579	-5.927	60972568579	-5.842
61034912718	1.947	61034912718	-5.792	61034912718	-5.779
61097256858	1.785	61097256858	-5.683	61097256858	-5.711
61159600998	1.585	61159600998	-5.593	61159600998	-5.647
61221945137	1.508	61221945137	-5.48	61221945137	-5.56
61284289277	1.414	61284289277	-5.471	61284289277	-5.559
61346633416	1.247	61346633416	-5.549	61346633416	-5.557
61408977556	1.11	61408977556	-5.6	61408977556	-5.614
61471321696	1.006	61471321696	-5.642	61471321696	-5.714
61533665835	1.002	61533665835	-5.798	61533665835	-5.771
61596009975	1.036	61596009975	-5.908	61596009975	-5.847
61658354115	1.101	61658354115	-5.966	61658354115	-5.93
61720698254	1.161	61720698254	-6.072	61720698254	-6.026
61783042394	1.148	61783042394	-6.034	61783042394	-6.051
61845386534	1.066	61845386534	-6.092	61845386534	-6.1
61907730673	0.959	61907730673	-5.968	61907730673	-6.051
61970074813	0.898	61970074813	-5.979	61970074813	-6.04
62032418953	0.981	62032418953	-5.985	62032418953	-6.023
62094763092	1.2	62094763092	-5.99	62094763092	-6.004
62157107232	1.486	62157107232	-5.82	62157107232	-5.987
62219451372	1.772	62219451372	-6.057	62219451372	-6.046
62281795511	1.961	62281795511	-6.079	62281795511	-6.172
62344139651	2.036	62344139651	-6.232	62344139651	-6.372
62406483791	2.063	62406483791	-6.37	62406483791	-6.524
62468827930	2.033	62468827930	-6.391	62468827930	-6.589
62531172070	2.008	62531172070	-6.507	62531172070	-6.691
62593516209	1.994	62593516209	-6.512	62593516209	-6.765
62655860349	1.972	62655860349	-6.48	62655860349	-6.919
62718204489	1.963	62718204489	-6.656	62718204489	-7.007
62780548628	1.98	62780548628	-6.655	62780548628	-7.089
62842892768	2.054	62842892768	-6.708	62842892768	-7.175
62905236908	2.049	62905236908	-6.776	62905236908	-7.248
62967581047	1.992	62967581047	-6.828	62967581047	-7.325
63029925187	1.992	63029925187	-6.935	63029925187	-7.482
63092269327	2.025	63092269327	-7.098	63092269327	-7.669
63154613466	2.049	63154613466	-7.246	63154613466	-8.034
63216957606	2.074	63216957606	-7.545	63216957606	-8.253
63279301746	2.068	63279301746	-7.704	63279301746	-8.517
63341645885	2.06	63341645885	-7.981	63341645885	-8.825
63403990025	2.088	63403990025	-8.106	63403990025	-9.018
63466334165	2.132	63466334165	-8.199	63466334165	-9.1
63528678304	2.206	63528678304	-8.339	63528678304	-9.341
63591022444	2.323	63591022444	-8.488	63591022444	-9.515
63653366584	2.448	63653366584	-8.82	63653366584	-9.784

59.10224	39.977	-10.031	-7.287
59.16459	39.957	-9.767	-7.051
59.22693	39.85	-9.492	-6.861
59.28928	39.644	-9.149	-6.672
59.35162	39.381	-8.927	-6.59
59.41397	39.191	-8.748	-6.642
59.47631	39.109	-8.668	-6.663
59.53865	39.046	-8.641	-6.787
59.601	39.013	-8.564	-6.872
59.66334	39.013	-8.465	-6.899
59.72569	39.011	-8.216	-6.774
59.78803	39.037	-7.96	-6.617
59.85037	39.024	-7.668	-6.457
59.91272	38.967	-7.391	-6.421
59.97506	38.897	-7.254	-6.356
60.03741	38.787	-7.119	-6.331
60.09975	38.708	-6.949	-6.287
60.16209	38.606	-6.754	-6.166
60.22444	38.522	-6.617	-6.15
60.28678	38.422	-6.523	-6.155
60.34913	38.37	-6.381	-6.114
60.41147	38.307	-6.175	-6.015
60.47382	38.239	-6.144	-5.976
60.53616	38.142	-6.029	-5.853
60.5985	37.969	-5.84	-5.771
60.66085	37.845	-5.809	-5.76
60.72319	37.746	-5.829	-5.829
60.78554	37.598	-5.754	-5.823
60.84788	37.428	-5.892	-5.867
60.91022	37.294	-5.897	-5.836
60.97257	37.128	-5.927	-5.842
61.03491	36.947	-5.792	-5.779
61.09726	36.785	-5.683	-5.711
61.1596	36.585	-5.593	-5.647
61.22195	36.508	-5.48	-5.56
61.28429	36.414	-5.471	-5.559
61.34663	36.247	-5.549	-5.557
61.40898	36.11	-5.6	-5.614
61.47132	36.006	-5.642	-5.714
61.53367	36.002	-5.798	-5.771
61.59601	36.036	-5.908	-5.847
61.65835	36.101	-5.966	-5.93
61.7207	36.161	-6.072	-6.026
61.78304	36.148	-6.034	-6.051
61.84539	36.066	-6.092	-6.1
61.90773	35.959	-5.968	-6.051
61.97007	35.898	-5.979	-6.04
62.03242	35.981	-5.985	-6.023
62.09476	36.2	-5.99	-6.004
62.15711	36.486	-5.82	-5.987
62.21945	36.772	-6.057	-6.046
62.2818	36.961	-6.079	-6.172
62.34414	37.036	-6.232	-6.372
62.40648	37.063	-6.37	-6.524
62.46883	37.033	-6.391	-6.589
62.53117	37.008	-6.507	-6.691
62.59352	36.994	-6.512	-6.765
62.65586	36.972	-6.48	-6.919
62.7182	36.963	-6.656	-7.007
62.78055	36.98	-6.655	-7.089
62.84289	37.054	-6.708	-7.175
62.90524	37.049	-6.776	-7.248
62.96758	36.992	-6.828	-7.325
63.02993	36.992	-6.935	-7.482
63.09227	37.025	-7.098	-7.669
63.15461	37.049	-7.246	-8.034
63.21696	37.074	-7.545	-8.253
63.2793	37.068	-7.704	-8.517
63.34165	37.06	-7.981	-8.825
63.40399	37.088	-8.106	-9.018
63.46633	37.132	-8.199	-9.1
63.52868	37.206	-8.339	-9.341
63.59102	37.323	-8.488	-9.515
63.65337	37.448	-8.82	-9.784

63715710723	2.601	63715710723	-9.124	63715710723	-10.28
63778054863	2.73	63778054863	-9.476	63778054863	-10.517
63840399002	2.856	63840399002	-10.056	63840399002	-10.666
63902743142	2.934	63902743142	-9.899	63902743142	-10.907
63965087282	2.947	63965087282	-10.011	63965087282	-11.061
64027431421	2.996	64027431421	-10.258	64027431421	-11.228
64089775561	3.035	64089775561	-10.44	64089775561	-11.352
64152119701	3.048	64152119701	-10.899	64152119701	-11.674
64214463840	3.118	64214463840	-10.88	64214463840	-11.635
64276807980	3.189	64276807980	-11.291	64276807980	-11.915
64339152120	3.23	64339152120	-11.509	64339152120	-12.017
64401496259	3.252	64401496259	-11.786	64401496259	-12.145
64463840399	3.258	64463840399	-11.92	64463840399	-12.22
64526184539	3.233	64526184539	-12.283	64526184539	-12.357
64588528678	3.228	64588528678	-12.599	64588528678	-12.555
64650872818	3.211	64650872818	-13.104	64650872818	-12.994
64713216958	3.139	64713216958	-13.137	64713216958	-12.915
64775561097	3.09	64775561097	-13.201	64775561097	-12.863
64837905237	3.016	64837905237	-13.379	64837905237	-12.805
64900249377	2.919	64900249377	-13.428	64900249377	-12.764
64962593516	2.837	64962593516	-13.547	64962593516	-12.838
65024937656	2.766	65024937656	-13.5	65024937656	-12.651
65087281796	2.714	65087281796	-14.052	65087281796	-12.91
65149625935	2.705	65149625935	-14.181	65149625935	-13.011
65211970075	2.755	65211970075	-14.319	65211970075	-13.091
65274314214	2.769	65274314214	-14.472	65274314214	-13.107
65336658354	2.774	65336658354	-14.643	65336658354	-13.212
65399002494	2.722	65399002494	-14.793	65399002494	-13.206
65461346633	2.626	65461346633	-14.802	65461346633	-13.206
65523690773	2.532	65523690773	-14.945	65523690773	-13.233
65586034913	2.447	65586034913	-15.003	65586034913	-13.245
65648379052	2.403	65648379052	-15.002	65648379052	-13.181
65710723192	2.384	65710723192	-15.189	65710723192	-13.217
65773067332	2.398	65773067332	-15.214	65773067332	-13.217
65835411471	2.461	65835411471	-15.373	65835411471	-13.208
65897755611	2.496	65897755611	-15.497	65897755611	-13.388
65960099751	2.538	65960099751	-15.755	65960099751	-13.53
66022443890	2.502	66022443890	-15.9	66022443890	-13.607
66084788030	2.43	66084788030	-16.038	66084788030	-13.717
66147132170	2.367	66147132170	-16.145	66147132170	-13.725
66209476309	2.326	66209476309	-16.008	66209476309	-13.772
66271820449	2.291	66271820449	-16.364	66271820449	-13.887
66334164589	2.264	66334164589	-16.277	66334164589	-13.992
66396508728	2.244	66396508728	-16.29	66396508728	-14.172
66458852868	2.216	66458852868	-16.321	66458852868	-14.214
66521197007	2.165	66521197007	-16.236	66521197007	-14.272
66583541147	2.123	66583541147	-16.161	66583541147	-14.252
66645885287	2.06	66645885287	-15.958	66645885287	-14.241
66708229426	1.989	66708229426	-15.727	66708229426	-14.099
66770573566	1.923	66770573566	-15.558	66770573566	-14.022
66832917706	1.9	66832917706	-15.285	66832917706	-13.989
66895261845	1.925	66895261845	-15.118	66895261845	-13.967
66957605985	1.975	66957605985	-15.09	66957605985	-14.008
67019950125	2.013	67019950125	-14.848	67019950125	-13.901
67082294264	2.016	67082294264	-14.769	67082294264	-13.948
67144638404	2.005	67144638404	-14.626	67144638404	-13.753
67206982544	2.002	67206982544	-14.475	67206982544	-13.689
67269326683	2.058	67269326683	-14.239	67269326683	-13.566
67331670823	2.157	67331670823	-14.263	67331670823	-13.686
67394014963	2.296	67394014963	-14.145	67394014963	-13.58
67456359102	2.412	67456359102	-14.06	67456359102	-13.535
67518703242	2.488	67518703242	-13.984	67518703242	-13.462
67581047382	2.552	67581047382	-13.87	67581047382	-13.381
67643391521	2.601	67643391521	-13.805	67643391521	-13.217
67705735661	2.634	67705735661	-13.599	67705735661	-12.975
67768079800	2.642	67768079800	-13.511	67768079800	-12.953
67830423940	2.667	67830423940	-13.475	67830423940	-12.821
67892768080	2.695	67892768080	-13.505	67892768080	-12.758
67955112219	2.714	67955112219	-13.486	67955112219	-12.813
68017456359	2.755	68017456359	-13.587	68017456359	-12.829
68079800499	2.796	68079800499	-13.577	68079800499	-12.884
68142144638	2.848	68142144638	-13.684	68142144638	-12.912
68204488778	2.887	68204488778	-13.8	68204488778	-12.97
68266832918	2.906	68266832918	-13.926	68266832918	-13.061

63.71571	37.601	-9.124	-10.28
63.77805	37.73	-9.476	-10.517
63.8404	37.856	-10.056	-10.666
63.90274	37.934	-9.899	-10.907
63.96509	37.947	-10.011	-11.061
64.02743	37.996	-10.258	-11.228
64.08978	38.035	-10.44	-11.352
64.15212	38.048	-10.899	-11.674
64.21446	38.118	-10.88	-11.635
64.27681	38.189	-11.291	-11.915
64.33915	38.23	-11.509	-12.017
64.4015	38.252	-11.786	-12.145
64.46384	38.258	-11.92	-12.22
64.52618	38.233	-12.283	-12.357
64.58853	38.228	-12.599	-12.555
64.65087	38.211	-13.104	-12.994
64.71322	38.139	-13.137	-12.915
64.77556	38.09	-13.201	-12.863
64.83791	38.016	-13.379	-12.805
64.90025	37.919	-13.428	-12.764
64.96259	37.837	-13.547	-12.838
65.02494	37.766	-13.5	-12.651
65.08728	37.714	-14.052	-12.91
65.14963	37.705	-14.181	-13.011
65.21197	37.755	-14.319	-13.091
65.27431	37.769	-14.472	-13.107
65.33666	37.774	-14.643	-13.212
65.399	37.722	-14.793	-13.206
65.46135	37.626	-14.802	-13.206
65.52369	37.532	-14.945	-13.233
65.58603	37.447	-15.003	-13.245
65.64838	37.403	-15.002	-13.181
65.71072	37.384	-15.189	-13.217
65.77307	37.398	-15.214	-13.217
65.83541	37.461	-15.373	-13.208
65.89776	37.496	-15.497	-13.388
65.9601	37.538	-15.755	-13.53
66.02244	37.502	-15.9	-13.607
66.08479	37.43	-16.038	-13.717
66.14713	37.367	-16.145	-13.725
66.20948	37.326	-16.008	-13.772
66.27182	37.291	-16.364	-13.887
66.33416	37.264	-16.277	-13.992
66.39651	37.244	-16.29	-14.172
66.45885	37.216	-16.321	-14.214
66.5212	37.165	-16.236	-14.272
66.58354	37.123	-16.161	-14.252
66.64589	37.06	-15.958	-14.241
66.70823	36.989	-15.727	-14.099
66.77057	36.923	-15.558	-14.022
66.83292	36.9	-15.285	-13.989
66.89526	36.925	-15.118	-13.967
66.95761	36.975	-15.09	-14.008
67.01995	37.013	-14.848	-13.901
67.08229	37.016	-14.769	-13.948
67.14464	37.005	-14.626	-13.753
67.20698	37.002	-14.475	-13.689
67.26933	37.058	-14.239	-13.566
67.33167	37.157	-14.263	-13.686
67.39401	37.296	-14.145	-13.58
67.45636	37.412	-14.06	-13.535
67.5187	37.488	-13.984	-13.462
67.58105	37.552	-13.87	-13.381
67.64339	37.601	-13.805	-13.217
67.70574	37.634	-13.599	-12.975
67.76808	37.642	-13.511	-12.953
67.83042	37.667	-13.475	-12.821
67.89277	37.695	-13.505	-12.758
67.95511	37.714	-13.486	-12.813
68.01746	37.755	-13.587	-12.829
68.0798	37.796	-13.577	-12.884
68.14214	37.848	-13.684	-12.912
68.20449	37.887	-13.8	-12.97
68.26683	37.906	-13.926	-13.061

68329177057	2.878	68329177057	-14.063	68329177057	-13.088
68391521197	2.878	68391521197	-14.167	68391521197	-13.247
68453865337	2.849	68453865337	-14.236	68453865337	-13.187
68516209476	2.818	68516209476	-14.143	68516209476	-13.223
68578553616	2.809	68578553616	-14.039	68578553616	-13.064
68640897756	2.815	68640897756	-13.895	68640897756	-12.983
68703241895	2.783	68703241895	-13.769	68703241895	-12.854
68765586035	2.711	68765586035	-13.758	68765586035	-12.876
68827930175	2.62	68827930175	-13.873	68827930175	-12.747
68890274314	2.505	68890274314	-14	68890274314	-12.821
68952618454	2.483	68952618454	-14.142	68952618454	-12.821
69014962594	2.492	69014962594	-14.107	69014962594	-12.701
69077306733	2.472	69077306733	-14.003	69077306733	-12.484
69139650873	2.477	69139650873	-14	69139650873	-12.234
69201995012	2.461	69201995012	-14.011	69201995012	-12.003
69264339152	2.403	69264339152	-14.021	69264339152	-11.772
69326683292	2.337	69326683292	-13.97	69326683292	-11.641
69389027431	2.28	69389027431	-14.024	69389027431	-11.467
69451371571	2.17	69451371571	-13.986	69451371571	-11.292
69513715711	2.06	69513715711	-14.024	69513715711	-11.052
69576059850	1.928	69576059850	-14.063	69576059850	-10.811
69638403990	1.846	69638403990	-14.104	69638403990	-10.668
69700748130	1.764	69700748130	-14.159	69700748130	-10.506
69763092269	1.717	69763092269	-14.219	69763092269	-10.275
69825436409	1.72	69825436409	-14.354	69825436409	-10.154
69887780549	1.771	69887780549	-14.42	69887780549	-9.907
69950124688	1.772	69950124688	-14.538	69950124688	-9.715
70012468828	1.725	70012468828	-14.777	70012468828	-9.57
70074812968	1.661	70074812968	-15.112	70074812968	-9.495
70137157107	1.544	70137157107	-15.398	70137157107	-9.457
70199501247	1.428	70199501247	-15.708	70199501247	-9.467
70261845387	1.294	70261845387	-16.052	70261845387	-9.553
70324189526	1.134	70324189526	-16.477	70324189526	-9.545
70386533666	1.005	70386533666	-16.711	70386533666	-9.432
70448877805	0.923	70448877805	-16.972	70448877805	-9.314
70511221945	0.859	70511221945	-17.09	70511221945	-9.16
70573566085	0.753	70573566085	-17.065	70573566085	-9.014
70635910224	0.588	70635910224	-17.293	70635910224	-8.885
70698254364	0.406	70698254364	-17.521	70698254364	-8.869
70760598504	0.28	70760598504	-17.636	70760598504	-8.908
70822942643	0.178	70822942643	-17.771	70822942643	-8.976
70885286783	0.071	70885286783	-17.908	70885286783	-9.025
70947630923	-0.044	70947630923	-17.969	70947630923	-9.067
71009975062	-0.173	71009975062	-17.999	71009975062	-9.135
71072319202	-0.286	71072319202	-17.922	71072319202	-9.174
71134663342	-0.395	71134663342	-17.785	71134663342	-9.281
71197007481	-0.489	71197007481	-17.617	71197007481	-9.446
71259351621	-0.571	71259351621	-17.461	71259351621	-9.575
71321695761	-0.64	71321695761	-17.177	71321695761	-9.621
71384039900	-0.703	71384039900	-16.692	71384039900	-9.641
71446384040	-0.719	71446384040	-16.184	71446384040	-9.583
71508728180	-0.714	71508728180	-15.634	71508728180	-9.559
71571072319	-0.734	71571072319	-15.222	71571072319	-9.556
71633416459	-0.766	71633416459	-14.766	71633416459	-9.666
71695760599	-0.813	71695760599	-14.305	71695760599	-9.872
71758104738	-0.893	71758104738	-14.013	71758104738	-10.091
71820448878	-0.984	71820448878	-13.747	71820448878	-10.385
71882793017	-1.082	71882793017	-13.604	71882793017	-10.651
71945137157	-1.206	71945137157	-13.351	71945137157	-10.734
72007481297	-1.327	72007481297	-13.143	72007481297	-11.031
72069825436	-1.406	72069825436	-12.78	72069825436	-11.036
72132169576	-1.5	72132169576	-12.714	72132169576	-11.321
72194513716	-1.563	72194513716	-12.365	72194513716	-11.297
72256857855	-1.587	72256857855	-12.036	72256857855	-11.322
72319201995	-1.607	72319201995	-11.729	72319201995	-11.402
72381546135	-1.648	72381546135	-11.398	72381546135	-11.385
72443890274	-1.731	72443890274	-11.088	72443890274	-11.445
72506234414	-1.804	72506234414	-10.844	72506234414	-11.44
72568578554	-1.931	72568578554	-10.66	72568578554	-11.637
72630922693	-2.038	72630922693	-10.457	72630922693	-11.737
72693266833	-2.156	72693266833	-10.338	72693266833	-11.945
72755610973	-2.228	72755610973	-10.215	72755610973	-12.061
72817955112	-2.264	72817955112	-10.061	72817955112	-12.151
72880299252	-2.249	72880299252	-9.742	72880299252	-12.225

68.32918	37.878	-14.063	-13.088
68.39152	37.878	-14.167	-13.247
68.45387	37.849	-14.236	-13.187
68.51621	37.818	-14.143	-13.223
68.57855	37.809	-14.039	-13.064
68.6409	37.815	-13.895	-12.983
68.70324	37.783	-13.769	-12.854
68.76559	37.711	-13.758	-12.876
68.82793	37.62	-13.873	-12.747
68.89027	37.505	-14	-12.821
68.95262	37.483	-14.142	-12.821
69.01496	37.492	-14.107	-12.701
69.07731	37.472	-14.003	-12.484
69.13965	37.477	-14	-12.234
69.202	37.461	-14.011	-12.003
69.26434	37.403	-14.021	-11.772
69.32668	37.337	-13.97	-11.641
69.38903	37.28	-14.024	-11.467
69.45137	37.17	-13.986	-11.292
69.51372	37.06	-14.024	-11.052
69.57606	36.928	-14.063	-10.811
69.6384	36.846	-14.104	-10.668
69.70075	36.764	-14.159	-10.506
69.76309	36.717	-14.219	-10.275
69.82544	36.72	-14.354	-10.154
69.88778	36.771	-14.42	-9.907
69.95012	36.772	-14.538	-9.715
70.01247	36.725	-14.777	-9.57
70.07481	36.661	-15.112	-9.495
70.13716	36.544	-15.398	-9.457
70.1995	36.428	-15.708	-9.467
70.26185	36.294	-16.052	-9.553
70.32419	36.134	-16.477	-9.545
70.38653	36.005	-16.711	-9.432
70.44888	35.923	-16.972	-9.314
70.51122	35.859	-17.09	-9.16
70.57357	35.753	-17.065	-9.014
70.63591	35.588	-17.293	-8.885
70.69825	35.406	-17.521	-8.869
70.7606	35.28	-17.636	-8.908
70.82294	35.178	-17.771	-8.976
70.88529	35.071	-17.908	-9.025
70.94763	34.956	-17.969	-9.067
71.00998	34.827	-17.999	-9.135
71.07232	34.714	-17.922	-9.174
71.13466	34.605	-17.785	-9.281
71.19701	34.511	-17.617	-9.446
71.25935	34.429	-17.461	-9.575
71.3217	34.36	-17.177	-9.621
71.38404	34.297	-16.692	-9.641
71.44638	34.281	-16.184	-9.583
71.50873	34.286	-15.634	-9.559
71.57107	34.266	-15.222	-9.556
71.63342	34.234	-14.766	-9.666
71.69576	34.187	-14.305	-9.872
71.7581	34.107	-14.013	-10.091
71.82045	34.016	-13.747	-10.385
71.88279	33.918	-13.604	-10.651
71.94514	33.794	-13.351	-10.734
72.00748	33.673	-13.143	-11.031
72.06983	33.594	-12.78	-11.036
72.13217	33.5	-12.714	-11.321
72.19451	33.437	-12.365	-11.297
72.25686	33.413	-12.036	-11.322
72.3192	33.393	-11.729	-11.402
72.38155	33.352	-11.398	-11.385
72.44389	33.269	-11.088	-11.445
72.50623	33.196	-10.844	-11.44
72.56858	33.069	-10.66	-11.637
72.63092	32.962	-10.457	-11.737
72.69327	32.844	-10.338	-11.945
72.75561	32.772	-10.215	-12.061
72.81796	32.736	-10.061	-12.151
72.8803	32.751	-9.742	-12.225

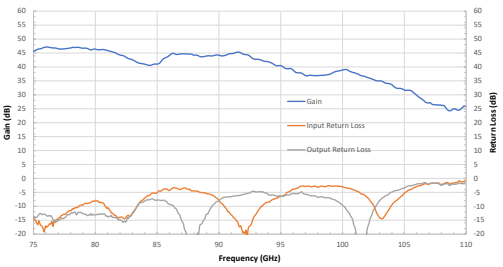
72942643392	-2.233	72942643392	-9.485	72942643392	-12.369	72.94264	32.767	-9.485	-12.369
73004987531	-2.211	73004987531	-9.028	73004987531	-12.343	73.00499	32.789	-9.028	-12.343
73067331671	-2.203	73067331671	-8.847	73067331671	-12.456	73.06733	32.797	-8.847	-12.456
73129675810	-2.234	73129675810	-8.801	73129675810	-12.687	73.12968	32.766	-8.801	-12.687
73192019950	-2.241	73192019950	-8.658	73192019950	-12.874	73.19202	32.759	-8.658	-12.874
73254364090	-2.238	73254364090	-8.674	73254364090	-13.101	73.25436	32.762	-8.674	-13.101
73316708229	-2.244	73316708229	-8.512	73316708229	-13.236	73.31671	32.756	-8.512	-13.236
73379052369	-2.233	73379052369	-8.298	73379052369	-13.36	73.37905	32.767	-8.298	-13.36
73441396509	-2.222	73441396509	-7.99	73441396509	-13.288	73.4414	32.778	-7.99	-13.288
73503740648	-2.25	73503740648	-7.864	73503740648	-13.431	73.50374	32.75	-7.864	-13.431
73566084788	-2.217	73566084788	-7.742	73566084788	-13.516	73.56608	32.783	-7.742	-13.516
73628428928	-2.214	73628428928	-7.543	73628428928	-13.637	73.62843	32.786	-7.543	-13.637
73690773067	-2.205	73690773067	-7.235	73690773067	-13.755	73.69077	32.795	-7.235	-13.755
73753117207	-2.184	73753117207	-6.949	73753117207	-13.75	73.75312	32.816	-6.949	-13.75
73815461347	-2.096	73815461347	-6.796	73815461347	-13.852	73.81546	32.904	-6.796	-13.852
73877805486	-2.033	73877805486	-6.581	73877805486	-13.954	73.87781	32.967	-6.581	-13.954
73940149626	-2	73940149626	-6.545	73940149626	-14.186	73.94015	33	-6.545	-14.186
74002493766	-2.049	74002493766	-6.562	74002493766	-14.355	74.00249	32.951	-6.562	-14.355
74064837905	-2.159	74064837905	-6.496	74064837905	-14.698	74.06484	32.841	-6.496	-14.698
74127182045	-2.28	74127182045	-6.543	74127182045	-15.074	74.12718	32.72	-6.543	-15.074
74189526185	-2.315	74189526185	-6.611	74189526185	-15.337	74.18953	32.685	-6.611	-15.337
74251870324	-2.22	74251870324	-6.537	74251870324	-15.813	74.25187	32.78	-6.537	-15.813
74314214464	-2.186	74314214464	-6.386	74314214464	-16.098	74.31421	32.814	-6.386	-16.098
74376558603	-2.189	74376558603	-6.147	74376558603	-16.417	74.37656	32.811	-6.147	-16.417
74438902743	-2.238	74438902743	-6.037	74438902743	-16.733	74.4389	32.762	-6.037	-16.733
74501246883	-2.354	74501246883	-5.906	74501246883	-17.118	74.50125	32.646	-5.906	-17.118
74563591022	-2.486	74563591022	-5.891	74563591022	-17.405	74.56359	32.514	-5.891	-17.405
74625935162	-2.637	74625935162	-5.729	74625935162	-18.034	74.62594	32.363	-5.729	-18.034
74688279302	-2.815	74688279302	-5.853	74688279302	-18.537	74.68828	32.185	-5.853	-18.537
74750623441	-3.016	74750623441	-5.955	74750623441	-18.787	74.75062	31.984	-5.955	-18.787
74812967581	-3.217	74812967581	-5.998	74812967581	-19.279	74.81297	31.783	-5.998	-19.279
74875311721	-3.384	74875311721	-6.032	74875311721	-19.911	74.87531	31.616	-6.032	-19.911
74937655860	-3.568	74937655860	-6.128	74937655860	-20.017	74.93766	31.432	-6.128	-20.017

Eravant **75 - 110 GHz Pre-amplifier** **SBL-7531143550-1010-E1(06649-01) Raw Test Data**

75000000000	10.621	75000000000	-13.969	75000000000	-14.378	Gain Ref:	35	Freq	Gain	Input Return Loss	Output Return Loss
75087281796	10.737	75087281796	-14.986	75087281796	-13.728	Tested By:	LB	75	45.621	-13.969	-14.378
75174563591	10.954	75174563591	-15.052	75174563591	-14.159	Date:	9/15/2020	75.08728	45.737	-14.986	-13.728
75261845387	11.201	75261845387	-16.062	75261845387	-13.937			75.17456	45.954	-15.052	-14.159
75349127182	11.355	75349127182	-16.595	75349127182	-13.538			75.26185	46.201	-16.062	-13.937
75436408978	11.429	75436408978	-15.17	75436408978	-12.969			75.34913	46.355	-16.595	-13.538
75523690773	11.476	75523690773	-16.4	75523690773	-12.593			75.43641	46.429	-15.17	-12.969
75610972569	11.566	75610972569	-16.901	75610972569	-12.676			75.52369	46.476	-16.4	-12.593
75698254364	11.731	75698254364	-17.268	75698254364	-13.071			75.61097	46.566	-16.901	-12.676
75785536160	11.893	75785536160	-18.141	75785536160	-12.805			75.69825	46.731	-17.268	-13.071
75872817955	12.014	75872817955	-19.221	75872817955	-12.849			75.78554	46.893	-18.141	-12.805
75960099751	12.097	75960099751	-17.106	75960099751	-12.967			75.87282	47.014	-19.221	-12.849
76047381546	12.154	76047381546	-17.532	76047381546	-13.371			75.9601	47.097	-17.106	-12.967
76134663342	12.154	76134663342	-17.213	76134663342	-13.571			76.04738	47.154	-17.532	-13.371
76221945137	12.063	76221945137	-16.842	76221945137	-13.318			76.13466	47.154	-17.213	-13.571
76309226933	11.986	76309226933	-16.288	76309226933	-13.552			76.22195	47.063	-16.842	-13.318
76396508728	11.932	76396508728	-16.37	76396508728	-13.351			76.30923	46.986	-16.288	-13.552
76483790524	11.833	76483790524	-15.439	76483790524	-13.846			76.39651	46.932	-16.37	-13.351
76571072319	11.813	76571072319	-17.26	76571072319	-14.626			76.48379	46.833	-15.439	-13.846
76658354115	11.83	76658354115	-15.557	76658354115	-15.67			76.57107	46.813	-17.26	-14.626
76745635910	11.786	76745635910	-15.864	76745635910	-14.914			76.65835	46.83	-15.557	-15.67
76832917706	11.717	76832917706	-14.868	76832917706	-15.488			76.74564	46.786	-15.864	-14.914
76920199501	11.643	76920199501	-14.714	76920199501	-15.474			76.83292	46.717	-14.868	-15.488
77007481297	11.506	77007481297	-14.296	77007481297	-14.939			76.9202	46.643	-14.714	-15.474
77094763092	11.407	77094763092	-14.154	77094763092	-14.997			77.00748	46.506	-14.296	-14.939
77182044888	11.409	77182044888	-13.722	77182044888	-14.502			77.09476	46.407	-14.154	-14.997
77269326683	11.437	77269326683	-13.286	77269326683	-14.156			77.18204	46.409	-13.722	-14.502
77356608479	11.462	77356608479	-13.168	77356608479	-14.555			77.26933	46.437	-13.286	-14.156
77443890274	11.457	77443890274	-12.874	77443890274	-14.289			77.35661	46.462	-13.168	-14.555
77531172070	11.511	77531172070	-12.885	77531172070	-14.173			77.44389	46.457	-12.874	-14.289
77618453865	11.566	77618453865	-12.689	77618453865	-13.717			77.53117	46.511	-12.885	-14.173
77705735661	11.623	77705735661	-12.215	77705735661	-13.193			77.61845	46.566	-12.689	-13.717
77793017456	11.673	77793017456	-11.916	77793017456	-12.943			77.70574	46.623	-12.215	-13.193
77880299252	11.717	77880299252	-11.662	77880299252	-13.079			77.79302	46.673	-11.916	-12.943
77967581047	11.8	77967581047	-11.544	77967581047	-12.804			77.8803	46.717	-11.662	-13.079
78054862843	11.868	78054862843	-11.544	78054862843	-12.335			77.96758	46.8	-11.544	-12.804
78142144638	11.978	78142144638	-10.891	78142144638	-12.454			78.05486	46.868	-11.544	-12.335
78229426434	12.016	78229426434	-11.011	78229426434	-12.349			78.14214	46.978	-10.891	-12.454
78316708229	11.978	78316708229	-10.668	78316708229	-12.036			78.22943	47.016	-11.011	-12.349
78403990025	11.973	78403990025	-10.506	78403990025	-12.341			78.31671	46.978	-10.668	-12.036
78491271820	12.025	78491271820	-10.471	78491271820	-13.105			78.40399	46.973	-10.506	-12.341
78578553616	12.041	78578553616	-10.464	78578553616	-12.277			78.49127	47.025	-10.471	-13.105
78665835411	12.014	78665835411	-9.96	78665835411	-12.179			78.57855	47.041	-10.464	-12.277
78753117207	11.916	78753117207	-9.724	78753117207	-12.292			78.66584	47.014	-9.96	-12.179
78840399002	11.827	78840399002	-9.704	78840399002	-12.174			78.75312	46.916	-9.724	-12.292
78927680798	11.756	78927680798	-9.456	78927680798	-12.56			78.8404	46.827	-9.704	-12.174
79014962594	11.714	79014962594	-9.544	79014962594	-12.634			78.92768	46.756	-9.456	-12.56
79102244389	11.736	79102244389	-9.091	79102244389	-12.788			79.01496	46.714	-9.544	-12.634
79189526185	11.756	79189526185	-8.971	79189526185	-12.857			79.10224	46.736	-9.091	-12.788
79276807980	11.715	79276807980	-8.952	79276807980	-13.05			79.18953	46.756	-8.971	-12.857
79364089776	11.624	79364089776	-9.042	79364089776	-13.376			79.27681	46.715	-8.952	-13.05
79451371571	11.421	79451371571	-8.869	79451371571	-13.129			79.36409	46.624	-9.042	-13.376
79538653367	11.212	79538653367	-8.77	79538653367	-13.198			79.45137	46.421	-8.869	-13.129
79625935162	11.102	79625935162	-8.712	79625935162	-12.648			79.53865	46.212	-8.77	-13.198
79713216958	11.14	79713216958	-8.326	79713216958	-13.259			79.62594	46.102	-8.712	-12.648
79800498753	11.286	79800498753	-8.144	79800498753	-12.923			79.71322	46.14	-8.326	-13.259
79887780549	11.418	79887780549	-8.257	79887780549	-13.05			79.8005	46.286	-8.144	-12.923
79975062344	11.413	79975062344	-8.07	79975062344	-13.135			79.88778	46.418	-8.257	-13.05
80062344140	11.31	80062344140	-7.905	80062344140	-13.074			79.97506	46.413	-8.07	-13.135
80149625935	11.187	80149625935	-8.193	80149625935	-12.873			80.06234	46.31	-7.905	-13.074
80236907731	11.138	80236907731	-8.141	80236907731	-12.94			80.14963	46.187	-8.193	-12.873
80324189526	11.157	80324189526	-8.742	80324189526	-13.005			80.23691	46.138	-8.141	-12.94
80411471322	11.167	80411471322	-8.525	80411471322	-12.623			80.32419	46.157	-8.742	-13.005
80498753117	11.212	80498753117	-8.663	80498753117	-12.849			80.41147	46.167	-8.525	-12.623
80586034913	11.245	80586034913	-8.805	80586034913	-12.788			80.49875	46.212	-8.663	-12.849
80673316708	11.234	80673316708	-8.973	80673316708	-12.827			80.58603	46.245	-8.805	-12.788
80760598504	11.154	80760598504	-9.641	80760598504	-12.789			80.67332	46.234	-8.973	-12.827
80847880299	11.055	80847880299	-10.231	80847880299	-13.544			80.7606	46.154	-9.641	-12.789
80935162095	10.954	80935162095	-10.762	80935162095	-13.423			80.84788	46.055	-10.231	-13.544
81022443890	10.858	81022443890	-10.517	81022443890	-13.846			80.93516	45.954	-10.762	-13.423
81109725686	10.734	81109725686	-11.171	81109725686	-13.717			81.02244	45.858	-10.517	-13.846
81197007481	10.633	81197007481	-11.552	81197007481	-13.615			81.10973	45.734	-11.171	-13.717
81284289277	10.517	81284289277	-12.187	81284289277	-13.305			81.19701	45.633	-11.552	-13.615
81371571072	10.407	81371571072	-12.596	81371571072	-14.063			81.28429	45.517	-12.187	-13.305
81458852868	10.3	81458852868	-12.734	81458852868	-13.937			81.37157	45.407	-12.596	-14.063
81546134663	10.195	81546134663	-13.225	81546134663	-14.002			81.45885	45.3	-12.734	-13.937
81633416459	10.048	81633416459	-13.3	81633416459	-14.135			81.54613	45.195	-13.225	-14.002
81720698254	9.835	81720698254	-13.659	81720698254	-14.044			81.63342	45.048	-13.3	-14.135
81807980050	9.616	81807980050	-14.002	81807980050	-14.7			81.7207	44.835	-13.659	-14.044
81895261845	9.429	81895261845	-14.162	81895261845	-14.945			81.80798	44.616	-14.002	-14.7
81982543641	9.3	81982543641	-13.966	81982543641	-14.779			81.89526	44.429	-14.162	-14.945
82069825436	9.169	82069825436	-13.889	82069825436	-15.005			81.98254	44.3	-13.966	-14.779
82157107232	9.135	82157107232	-13.898	82157107232	-15.151			82.06983	44.169	-13.889	-15.005
82244389027	9.067	82244389027	-14.209	82244389027	-15.799			82.15711	44.135	-13.898	-15.151
82331670823	8.902	82331670823	-14.395	82331670823	-15.409			82.24439	44.067	-14.209	-15.799
82418952618	8.683	82418952618	-14.417	82418952618	-15.576			82.33167	43.902	-14.395	-15.409
82506234414	8.432	82506234414	-13.777	82506234414	-15.515			82.41895	43.683	-14.417	-15.576
82593516209	8.185	82593516209	-13.407	82593516209	-14.083			82.50623	43.432	-13.777	-15.515
82680798005	7.998	82680798005	-13.225	82680798005	-14.365			82.59352	43.185	-13.407	-14.083
82768079800	7.891	82768079800	-13.788	82768079800	-13.752			82.6808	42.998	-13.225	-14.365
82855361596	7.806	82855361596	-13.436	82855361596	-13.563			82.76808	42.891	-13.788	-13.752
82942643392	7.68	82942643392	-12.797	82942643392	-13.264			82.85536	42.806	-13.436	-13.563
83029925187	7.498	83029925187	-12.508	83029925187	-12.05			82.94264	42.68	-12.797	-13.264
83117206983	7.301	83117206983	-12	83117206983	-11.794			83.02993	42.498	-12.508	-12.05
83204488778	7.089	83204488778	-11.165	83204488778	-11.511			83.11721	42.301	-12	-11.794
83291770574	6.867	83291770574	-10.662	83291770574	-10.772			83.20449	42.089	-11.165	-11.511
83379052369	6.647	83379052369	-9.921	83379052369	-10.182			83.29177	41.867	-10.662	-10.772
83466334165	6.473	83466334165	-9.358	83466334165	-9.577			83.37905	41.647	-9.921	-10.182
83553615960	6.356	83553615960	-8.845	83553615960	-8.974			83.46633	41.473	-9.358	-9.577
83640897756	6.274	83640897756	-8.334	83640897756	-8.757			83.55362	41.356	-8.845	-8.974
83728179551	6.229	83728179551	-8.05	83728179551	-8.605			83.6409	41.274	-8.334	-8.757
83815461347	6.153	83815461347	-7.839	83815461347	-8.649			83.72818	41.229	-8.05	-8.605
83902743142	6.068	83902743142	-7.504	83902743142	-8.416			83.81546	41.153	-7.839	-8.649
83990024938	6.007	83990024938	-7.072	83990024938	-8.091			83.90274	41.068	-7.504	-8.416
84077306733	5.911	84077306733	-6.735	84077306733	-8.012			83.99002	41.007	-7.072	-8.091
84164588529	5.788	84164588529	-6.436	84164588529	-7.716			84.07731	40.911	-6.735	-8.012
84251870324	5.653	84251870324	-6.174	84251870324	-7.638			84.16459	40.788	-6.436	-7.716
84339152120	5.565	84339152120	-6.147	84339152120	-7.762			84.25187	40.653	-6.174	-7.638
84426433915	5.559	84426433915	-5.955	84426433915	-7.619			84.33915	40.565	-6.147	-7.762
84513715711	5.633	84513715711	-5.505	84513715711	-7.422			84.42643	40.559	-5.955	-7.619
84600997506	5.771	84600997506	-5.302	84600997506	-7.315			84.51372	40.633	-5.505	-7.422
84688279302	5.917	84688279302	-5.24	84688279302	-7.503			84.601	40.771	-5.302	-7.315
84775561097	6.01	84775561097	-5.29	84775561097	-7.68			84.68828	40.917	-5.24	-7.503
84862842893	6.034	84862842893	-5.312	84862842893	-7.905			84.77556	41.01	-5.29	-7.68
84950124688	6.026	84950124688	-5.29	84950124688	-7.806			84.86284	41.034	-5.312	-7.905
85037406484	6.026	85037406484	-5.021	85037406484	-7.809			84.95012	41.026	-5.29	-7.806
85124688279	6.166	85124688279	-4.493	85124688279	-7.723			85.03741	41.026	-5.021	-7.809
85211970075	6.41	85211970075	-4.491	85211970075	-7.866			85.12469	41.166	-4.493	-7.723
85299251870	6.858	85299251870	-4.579	85299251870	-7.908			85.21197	41.41	-4.491	-7.866
85386533666	7.372	85386533666	-4.29	85386533666	-7.921			85.29925	41.858	-4.579	-7.908
85473815461	7.8	85473815461	-4.016	85473815461	-7.842			85.38653	42.372	-4.29	-7.921
85561097257	8.081	85561097257	-3.839	85561097257	-7.822			85.47382	42.8	-4.016	-7.842
85648379052	8.24	85648379052	-3.777	85648379052	-8.095			85.5611	43.081	-3.839	-7.822
85735660848	8.402	85735660848	-3.799	85735660848	-8.279			85.64838	43.24	-3.777	-8.095
85822942643	8.627	85822942643	-3.884	85822942643	-8.622			85.73566	43.402	-3.799	-8.279
85910224439	8.842	85910224439	-4.315	85910224439	-9.179			85.82294	43.627	-3.884	-8.622
85997506234	9.119	85997506234	-4.315	85997506234	-9.27			85.91022	43.842	-4.315	-9.179
86084788030	9.454	86084788030	-4.038	86084788030	-9.465			85.99751	44.119	-4.315	-9.27
86172069825	9.734	86172069825	-3.738	86172069825	-9.484			86.08479	44.454	-4.038	-9.465
86259351621	9.877	86259351621	-3.493	86259351621	-9.712			86.17207	44.734	-3.738	-9.484
86346633416	9.841	86346633416	-3.326	86346633416	-9.937			86.25935	44.877	-3.493	-9.712
86433915212	9.682	86433915212	-3.411	86433915212	-10.682			86.34663	44.841	-3.326	-9.937
86521197007	9.54	86521197007	-3.48	86521197007	-10.817			86.43392	44.682	-3.411	-10.682
86608478803	9.457	86608478803	-3.601	86608478803	-11.476			86.5212	44.54	-3.48	-10.817
86695760599	9.504	86695760599	-3.683	86695760599	-12.505			86.60848	44.457	-3.601	-11.476
86783042394	9.58	86783042394	-3.868	86783042394	-12.83			86.69576	44.504	-3.683	-12.505
86870324190	9.646	86870324190	-4.032	86870324190	-13.7			86.78304	44.58	-3.868	-12.83

Gain and Return Loss vs. Frequency

Bias: +8 V_{DC}/81 mA



86957605985	9.665	86957605985	-3.928	86957605985	-14.832
87044887781	9.718	87044887781	-3.628	87044887781	-15.675
87132169576	9.706	87132169576	-3.491	87132169576	-16.397
87219451372	9.671	87219451372	-3.417	87219451372	-18.392
87306733167	9.627	87306733167	-3.499	87306733167	-19.026
87394014963	9.633	87394014963	-3.711	87394014963	-20.655
87481296758	9.663	87481296758	-3.969	87481296758	-23.613
87568578554	9.611	87568578554	-3.93	87568578554	-25.241
87655860349	9.641	87655860349	-3.933	87655860349	-24.377
87743142145	9.589	87743142145	-4.414	87743142145	-24.665
87830423940	9.465	87830423940	-4.466	87830423940	-23.097
87917705736	9.3	87917705736	-4.518	87917705736	-24.165
88004987531	9.21	88004987531	-4.504	88004987531	-23.97
88092269327	9.207	88092269327	-4.559	88092269327	-24.016
88179551122	9.262	88179551122	-4.532	88179551122	-21.743
88266832918	9.168	88266832918	-4.597	88266832918	-19.627
88354114713	8.968	88354114713	-4.762	88354114713	-20.045
88441396509	8.778	88441396509	-4.991	88441396509	-16.983
88528678304	8.666	88528678304	-5.073	88528678304	-16.505
88615960100	8.643	88615960100	-5.057	88615960100	-16.236
88703241895	8.641	88703241895	-5.188	88703241895	-15.458
88790523691	8.718	88790523691	-5.117	88790523691	-14.89
88877805486	8.816	88877805486	-5.243	88877805486	-14.249
88965087282	8.91	88965087282	-5.386	88965087282	-12.939
89052369077	8.946	89052369077	-5.543	89052369077	-12.808
89139650873	9.006	89139650873	-5.589	89139650873	-12.384
89226932668	8.992	89226932668	-5.595	89226932668	-11.523
89314214464	8.946	89314214464	-5.752	89314214464	-10.858
89401496259	8.935	89401496259	-5.851	89401496259	-10.209
89488778055	8.962	89488778055	-6.081	89488778055	-9.649
89576059850	9.064	89576059850	-6.271	89576059850	-9.339
89663341646	9.185	89663341646	-6.548	89663341646	-9.006
89750623441	9.259	89750623441	-6.878	89750623441	-8.531
89837905237	9.295	89837905237	-7.15	89837905237	-8.309
89925187032	9.278	89925187032	-7.46	89925187032	-8.201
90012468828	9.201	90012468828	-7.962	90012468828	-7.905
90099750623	9.083	90099750623	-8.468	90099750623	-7.625
90187032419	8.976	90187032419	-8.885	90187032419	-7.281
90274314214	8.949	90274314214	-9.136	90274314214	-7.04
90361596010	8.987	90361596010	-9.592	90361596010	-6.815
90448877805	9.088	90448877805	-10.157	90448877805	-6.8
90536159601	9.207	90536159601	-10.591	90536159601	-6.644
90623441397	9.322	90623441397	-11.022	90623441397	-6.702
90710723192	9.548	90710723192	-11.879	90710723192	-6.68
90798004988	9.677	90798004988	-11.978	90798004988	-6.594
90885286783	9.759	90885286783	-12.549	90885286783	-6.575
90972568579	9.778	90972568579	-13.011	90972568579	-6.592
91059850374	9.801	91059850374	-13.297	91059850374	-6.375
91147132170	9.852	91147132170	-13.901	91147132170	-6.373
91234413965	9.951	91234413965	-14.214	91234413965	-6.304
91321695761	10.099	91321695761	-14.53	91321695761	-6.312
91408977556	10.228	91408977556	-15.187	91408977556	-6.244
91496259352	10.327	91496259352	-15.461	91496259352	-6.189
91583541147	10.322	91583541147	-16.521	91583541147	-6.183
91670822943	10.242	91670822943	-17.431	91670822943	-6.104
91758104738	10.063	91758104738	-17.016	91758104738	-6.015
91845386534	9.886	91845386534	-18.153	91845386534	-5.922
91932668329	9.625	91932668329	-19.504	91932668329	-5.77
92019950125	9.507	92019950125	-19.202	92019950125	-5.721
92107231920	9.457	92107231920	-19.856	92107231920	-5.647
92194513716	9.405	92194513716	-18.581	92194513716	-5.521
92281795511	9.358	92281795511	-20.726	92281795511	-5.4
92369077307	9.262	92369077307	-18.051	92369077307	-5.345
92456359102	9.044	92456359102	-17.216	92456359102	-5.279
92543640898	8.707	92543640898	-16.894	92543640898	-5.147
92630922693	8.361	92630922693	-16.31	92630922693	-4.738
92718204489	8.051	92718204489	-15.033	92718204489	-4.659
92805486284	7.867	92805486284	-13.992	92805486284	-4.653
92892768080	7.768	92892768080	-13.456	92892768080	-4.7
92980049875	7.748	92980049875	-12.967	92980049875	-4.84
93067331671	7.767	93067331671	-12.351	93067331671	-4.853
93154613466	7.729	93154613466	-11.679	93154613466	-4.862
93241895262	7.672	93241895262	-11.124	93241895262	-4.736
93329177057	7.587	93329177057	-10.58	93329177057	-4.782
93416458853	7.466	93416458853	-10.163	93416458853	-4.809
93503740648	7.279	93503740648	-9.931	93503740648	-4.864
93591022444	7.13	93591022444	-9.443	93591022444	-4.85
93678304239	7.034	93678304239	-9.182	93678304239	-5.227
93765586035	6.974	93765586035	-8.819	93765586035	-5.188
93852867830	6.949	93852867830	-8.652	93852867830	-5.303
93940149626	6.917	93940149626	-8.603	93940149626	-5.515
94027431421	6.817	94027431421	-8.452	94027431421	-5.916
94114713217	6.68	94114713217	-8.371	94114713217	-6.061
94201995012	6.504	94201995012	-8.012	94201995012	-6.026
94289276808	6.336	94289276808	-7.718	94289276808	-5.886
94376558603	6.109	94376558603	-7.548	94376558603	-5.969
94463840399	5.872	94463840399	-7.41	94463840399	-6.012
94551122195	5.634	94551122195	-7.251	94551122195	-6.201
94638403990	5.455	94638403990	-7.221	94638403990	-6.375
94725685786	5.397	94725685786	-7.004	94725685786	-6.414
94812967581	5.45	94812967581	-6.878	94812967581	-6.323
94900249377	5.509	94900249377	-6.548	94900249377	-6.205
94987531172	5.491	94987531172	-6.493	94987531172	-6.342
95074812968	5.365	95074812968	-6.38	95074812968	-6.479
95162094763	5.117	95162094763	-6.329	95162094763	-6.45
95249376559	4.857	95249376559	-6.09	95249376559	-6.389
95336658354	4.593	95336658354	-5.889	95336658354	-6.183
95423940150	4.42	95423940150	-5.625	95423940150	-6.029
95511221945	4.356	95511221945	-5.045	95511221945	-5.99
95598503741	4.378	95598503741	-4.961	95598503741	-5.996
95685785536	4.417	95685785536	-4.746	95685785536	-5.93
95773067332	4.428	95773067332	-4.538	95773067332	-5.82
95860349127	4.315	95860349127	-4.257	95860349127	-5.559
95947630923	4.07	95947630923	-3.982	95947630923	-5.438
96034912718	3.744	96034912718	-3.827	96034912718	-5.403
96122194514	3.367	96122194514	-3.817	96122194514	-5.509
96209476309	3.071	96209476309	-3.694	96209476309	-5.512
96296758105	2.928	96296758105	-3.581	96296758105	-5.548
96384039900	2.889	96384039900	-3.43	96384039900	-5.471
96471321696	2.892	96471321696	-3.197	96471321696	-5.279
96558603491	2.884	96558603491	-2.915	96558603491	-5.156
96645885287	2.804	96645885287	-2.788	96645885287	-4.851
96733167082	2.667	96733167082	-2.741	96733167082	-4.911
96820448878	2.423	96820448878	-2.741	96820448878	-5.447
96907730673	2.145	96907730673	-2.821	96907730673	-5.565
96995012469	1.911	96995012469	-2.912	96995012469	-5.755
97082294264	1.81	97082294264	-2.889	97082294264	-5.768
97169576060	1.829	97169576060	-2.747	97169576060	-5.796
97256857855	1.936	97256857855	-2.755	97256857855	-5.952
97344139651	2.003	97344139651	-2.835	97344139651	-6.114
97431421446	1.994	97431421446	-3.013	97431421446	-6.265
97518703242	1.972	97518703242	-2.996	97518703242	-6.251
97605985037	1.923	97605985037	-2.876	97605985037	-6.315
97693266833	1.874	97693266833	-2.758	97693266833	-6.229
97780548628	1.868	97780548628	-2.786	97780548628	-6.323
97867830424	1.879	97867830424	-2.892	97867830424	-6.457
97955112219	1.882	97955112219	-3.125	97955112219	-6.696
98042394015	1.909	98042394015	-3.175	98042394015	-6.85
98129675810	1.923	98129675810	-3.016	98129675810	-6.671
98216957606	1.955	98216957606	-2.826	98216957606	-6.611
98304239401	1.98	98304239401	-2.774	98304239401	-6.551
98391521197	1.996	98391521197	-2.848	98391521197	-6.674
98478802993	2.024	98478802993	-2.908	98478802993	-6.806
98566084788	2.057	98566084788	-2.958	98566084788	-6.927
98653366584	2.118	98653366584	-2.931	98653366584	-6.963
98740648379	2.195	98740648379	-2.777	98740648379	-6.907
98827930175	2.244	98827930175	-2.628	98827930175	-6.91
98915211970	2.307	98915211970	-2.629	98915211970	-6.996

86.87032	44.646	-4.032	-13.7
86.95761	44.665	-3.928	-14.832
87.04489	44.718	-3.628	-15.675
87.13217	44.706	-3.491	-16.397
87.21945	44.671	-3.417	-18.392
87.30673	44.627	-3.499	-19.026
87.39401	44.633	-3.711	-20.655
87.4813	44.663	-3.969	-23.613
87.56858	44.611	-3.93	-25.241
87.65586	44.641	-3.933	-24.377
87.74314	44.589	-4.414	-24.665
87.83042	44.465	-4.466	-23.097
87.91771	44.3	-4.518	-24.165
88.00499	44.21	-4.504	-23.97
88.09227	44.207	-4.559	-24.016
88.17955	44.262	-4.532	-21.743
88.26683	44.168	-4.597	-19.627
88.35411	43.968	-4.762	-20.045
88.4414	43.778	-4.991	-16.983
88.52868	43.666	-5.073	-16.505
88.61596	43.643	-5.057	-16.236
88.70324	43.641	-5.188	-15.458
88.79052	43.718	-5.117	-14.89
88.87781	43.816	-5.243	-14.249
88.96509	43.91	-5.386	-12.939
89.05237	43.946	-5.543	-12.808
89.13965	44.006	-5.589	-12.384
89.22693	43.992	-5.595	-11.523
89.31421	43.946	-5.752	-10.858
89.4015	43.935	-5.851	-10.209
89.48878	43.962	-6.081	-9.649
89.57606	44.064	-6.271	-9.339
89.66334	44.185	-6.548	-9.006
89.75062	44.259	-6.878	-8.531
89.83791	44.295	-7.15	-8.309
89.92519	44.278	-7.46	-8.201
90.01247	44.201	-7.962	-7.905
90.09975	44.083	-8.468	-7.625
90.18703	43.976	-8.885	-7.281
90.27431	43.949	-9.136	-7.04
90.3616	43.987	-9.592	-6.815
90.44888	44.088	-10.157	-6.8
90.53616	44.207	-10.591	-6.644
90.62344	44.322	-11.022	-6.702
90.71072	44.548	-11.879	-6.68
90.798	44.677	-11.978	-6.594
90.88529	44.759	-12.549	-6.575
90.97257	44.778	-13.011	-6.592
91.05985	44.801	-13.297	-6.375
91.14713	44.852	-13.901	-6.373
91.23441	44.951	-14.214	-6.304
91.3217	45.099	-14.53	-6.312
91.40898	45.228	-15.187	-6.244
91.49626	45.327	-15.461	-6.189
91.58354	45.322	-16.521	-6.183
91.67082	45.242	-17.431	-6.104
91.7581	45.063	-17.016	-6.015
91.84539	44.886	-18.153	-5.922
91.93267	44.625	-19.504	-5.77
92.01995	44.507	-19.202	-5.721
92.10723	44.457	-19.856	-5.647
92.19451	44.405	-18.581	-5.521
92.2818	44.358	-20.726	-5.4
92.36908	44.262	-18.051	-5.345
92.45636	44.044	-17.216	-5.279
92.54364	43.707	-16.894	-5.147
92.63092	43.361	-16.31	-4.738
92.7182	43.051	-15.033	-4.659
92.80549	42.867	-13.992	-4.653
92.89277	42.768	-13.456	-4.7
92.98005	42.748	-12.967	-4.84
93.06733	42.767	-12.351	-4.853
93.15461	42.729	-11.679	-4.862
93.2419	42.672	-11.124	-4.736
93.32918	42.587	-10.58	-4.782
93.41646	42.466	-10.163	-4.809
93.50374	42.279	-9.931	-4.864
93.59102	42.13	-9.443	-4.85
93.6783	42.034	-9.182	-5.227
93.76559	41.974	-8.819	-5.188
93.85287	41.949	-8.652	-5.303
93.94015	41.917	-8.603	-5.515
94.02743	41.817	-8.452	-5.916
94.11471	41.68	-8.371	-6.061
94.202	41.504	-8.012	-6.026
94.28928	41.336	-7.718	-5.886
94.37656	41.109	-7.548	-5.969
94.46384	40.872	-7.41	-6.012
94.55112	40.634	-7.251	-6.201
94.6384	40.455	-7.221	-6.375
94.72569	40.397	-7.004	-6.414
94.81297	40.45	-6.878	-6.323
94.90025	40.509	-6.548	-6.205
94.98753	40.491	-6.493	-6.342
95.07481	40.365	-6.38	-6.479
95.16209	40.117	-6.329	-6.45
95.24938	39.857	-6.09	-6.389
95.33666	39.593	-5.889	-6.183
95.42394	39.42	-5.625	-6.029
95.51122	39.356	-5.045	-5.99
95.5985	39.378	-4.961	-5.996
95.68579	39.417	-4.746	-5.93
95.77307	39.428	-4.538	-5.82
95.86035	39.315	-4.257	-5.559
95.94763	39.07	-3.982	-5.438
96.03491	38.744	-3.827	-5.403
96.12219	38.367	-3.817	-5.509
96.20948	38.071	-3.694	-5.512
96.29676	37.928	-3.581	-5.548
96.38404	37.889	-3.43	-5.471
96.47132	37.892	-3.197	-5.279
96.5586	37.884	-2.915	-5.156
96.64589	37.804	-2.788	-4.851
96.73317	37.667	-2.741	-4.911
96.82045	37.423	-2.741	-5.447
96.90773	37.145	-2.821	-5.565
96.99501	36.911	-2.912	-5.755
97.08229	36.81	-2.889	-5.768
97.16958	36.829	-2.747	-5.796
97.25686	36.936	-2.755	-5.952
97.34414	37.003	-2.835	-6.114
97.43142	36.994	-3.013	-6.265
97.5187	36.972	-2.996	-6.251
97.60599	36.923	-2.876	-6.315
97.69327	36.874	-2.758	-6.229
97.78055	36.868	-2.786	-6.323
97.86783	36.879	-2.892	-6.457
97.95511	36.882	-3.125	-6.696
98.04239	36.909	-3.175	-6.85
98.12968	36.923	-3.016	-6.671
98.21696	36.955	-2.826	-6.611
98.30424	36.98	-2.774	-6.551
98.39152	36.996	-2.848	-6.674
98.4788	37.024	-2.908	-6.806
98.56608	37.057	-2.958	-6.927
98.65337	37.118	-2.931	-6.963
98.74065	37.195	-2.777	-6.907
98.82793	37.244	-2.628	-6.91

99002493766	2.43	99002493766	-2.722	99002493766	-7.09
99089775561	2.599	99089775561	-2.805	99089775561	-7.317
99177057357	2.807	99177057357	-2.829	99177057357	-7.446
99264339152	3.043	99264339152	-2.719	99264339152	-7.567
99351620948	3.2	99351620948	-2.747	99351620948	-7.663
99438902743	3.326	99438902743	-2.763	99438902743	-7.869
99526184539	3.425	99526184539	-2.774	99526184539	-8.135
99613466334	3.516	99613466334	-2.843	99613466334	-8.268
99700748130	3.593	99700748130	-2.851	99700748130	-8.597
99788029925	3.645	99788029925	-2.845	99788029925	-8.764
99875311721	3.725	99875311721	-2.878	99875311721	-9.146
99962593516	3.848	99962593516	-2.972	99962593516	-9.446
1.0005E+11	3.958	1.0005E+11	-3.133	1.0005E+11	-9.816
1.00137E+11	4.038	1.00137E+11	-3.257	1.00137E+11	-10.13
1.00224E+11	4.079	1.00224E+11	-3.326	1.00224E+11	-10.613
1.00312E+11	4.059	1.00312E+11	-3.422	1.00312E+11	-11.19
1.00399E+11	3.9	1.00399E+11	-3.496	1.00399E+11	-11.739
1.00486E+11	3.683	1.00486E+11	-3.548	1.00486E+11	-12.077
1.00574E+11	3.464	1.00574E+11	-3.647	1.00574E+11	-12.761
1.00661E+11	3.294	1.00661E+11	-3.705	1.00661E+11	-13.609
1.00748E+11	3.153	1.00748E+11	-3.862	1.00748E+11	-14.113
1.00835E+11	3.027	1.00835E+11	-4.034	1.00835E+11	-15.062
1.00923E+11	2.925	1.00923E+11	-4.167	1.00923E+11	-16.941
1.0101E+11	2.832	1.0101E+11	-4.304	1.0101E+11	-17.614
1.01097E+11	2.669	1.01097E+11	-4.455	1.01097E+11	-19.897
1.01185E+11	2.544	1.01185E+11	-4.653	1.01185E+11	-21.63
1.01272E+11	2.453	1.01272E+11	-4.779	1.01272E+11	-22.366
1.01359E+11	2.134	1.01359E+11	-4.963	1.01359E+11	-23.171
1.01446E+11	1.977	1.01446E+11	-5.422	1.01446E+11	-22.185
1.01534E+11	1.865	1.01534E+11	-5.562	1.01534E+11	-23.712
1.01621E+11	1.76	1.01621E+11	-5.642	1.01621E+11	-23.77
1.01708E+11	1.7	1.01708E+11	-5.762	1.01708E+11	-24.294
1.01796E+11	1.574	1.01796E+11	-6.029	1.01796E+11	-23.506
1.01883E+11	1.434	1.01883E+11	-6.334	1.01883E+11	-21.904
1.0197E+11	1.28	1.0197E+11	-6.751	1.0197E+11	-18.878
1.02057E+11	1.145	1.02057E+11	-7.048	1.02057E+11	-17.17
1.02145E+11	1.047	1.02145E+11	-7.421	1.02145E+11	-16.103
1.02232E+11	0.907	1.02232E+11	-8.045	1.02232E+11	-14.382
1.02319E+11	0.785	1.02319E+11	-8.603	1.02319E+11	-13.665
1.02406E+11	0.58	1.02406E+11	-9.009	1.02406E+11	-12.536
1.02494E+11	0.459	1.02494E+11	-9.627	1.02494E+11	-11.374
1.02581E+11	0.322	1.02581E+11	-10.374	1.02581E+11	-10.926
1.02668E+11	0.14	1.02668E+11	-11.319	1.02668E+11	-10.165
1.02756E+11	0.019	1.02756E+11	-12.396	1.02756E+11	-9.548
1.02843E+11	0	1.02843E+11	-13.009	1.02843E+11	-8.987
1.0293E+11	-0.025	1.0293E+11	-13.662	1.0293E+11	-8.352
1.03017E+11	0.019	1.03017E+11	-14.187	1.03017E+11	-7.899
1.03105E+11	-0.044	1.03105E+11	-14.384	1.03105E+11	-7.509
1.03192E+11	-0.142	1.03192E+11	-14.456	1.03192E+11	-7.136
1.03279E+11	-0.343	1.03279E+11	-14.357	1.03279E+11	-6.878
1.03367E+11	-0.572	1.03367E+11	-13.769	1.03367E+11	-6.594
1.03454E+11	-0.764	1.03454E+11	-13.272	1.03454E+11	-6.317
1.03541E+11	-0.876	1.03541E+11	-12.616	1.03541E+11	-6.093
1.03628E+11	-0.904	1.03628E+11	-12.022	1.03628E+11	-5.968
1.03716E+11	-0.956	1.03716E+11	-11.451	1.03716E+11	-5.831
1.03803E+11	-1.013	1.03803E+11	-10.913	1.03803E+11	-5.307
1.0389E+11	-1.137	1.0389E+11	-10.13	1.0389E+11	-5.068
1.03978E+11	-1.329	1.03978E+11	-9.633	1.03978E+11	-4.939
1.04065E+11	-1.687	1.04065E+11	-9.105	1.04065E+11	-4.785
1.04152E+11	-2.054	1.04152E+11	-8.682	1.04152E+11	-4.587
1.04239E+11	-2.362	1.04239E+11	-8.336	1.04239E+11	-4.414
1.04327E+11	-2.524	1.04327E+11	-8.067	1.04327E+11	-4.34
1.04414E+11	-2.67	1.04414E+11	-7.809	1.04414E+11	-4.357
1.04501E+11	-2.711	1.04501E+11	-7.43	1.04501E+11	-4.206
1.04589E+11	-2.719	1.04589E+11	-7.034	1.04589E+11	-4.093
1.04676E+11	-2.725	1.04676E+11	-6.741	1.04676E+11	-3.906
1.04763E+11	-2.764	1.04763E+11	-6.361	1.04763E+11	-3.758
1.0485E+11	-2.941	1.0485E+11	-6.139	1.0485E+11	-3.656
1.04938E+11	-3.15	1.04938E+11	-5.587	1.04938E+11	-3.521
1.05025E+11	-3.335	1.05025E+11	-5.199	1.05025E+11	-3.367
1.05112E+11	-3.419	1.05112E+11	-4.933	1.05112E+11	-3.137
1.052E+11	-3.389	1.052E+11	-4.688	1.052E+11	-2.966
1.05287E+11	-3.409	1.05287E+11	-4.346	1.05287E+11	-2.753
1.05374E+11	-3.375	1.05374E+11	-4.15	1.05374E+11	-2.65
1.05461E+11	-3.42	1.05461E+11	-4.104	1.05461E+11	-2.708
1.05549E+11	-3.549	1.05549E+11	-3.93	1.05549E+11	-2.686
1.05636E+11	-3.82	1.05636E+11	-3.722	1.05636E+11	-2.571
1.05723E+11	-4.142	1.05723E+11	-3.471	1.05723E+11	-2.414
1.0581E+11	-4.512	1.0581E+11	-3.31	1.0581E+11	-2.319
1.05898E+11	-4.776	1.05898E+11	-3.145	1.05898E+11	-2.211
1.05985E+11	-5.112	1.05985E+11	-2.955	1.05985E+11	-2.062
1.06072E+11	-5.433	1.06072E+11	-2.75	1.06072E+11	-1.912
1.0616E+11	-5.711	1.0616E+11	-2.703	1.0616E+11	-1.923
1.06247E+11	-6.043	1.06247E+11	-2.629	1.06247E+11	-1.959
1.06334E+11	-6.26	1.06334E+11	-2.56	1.06334E+11	-1.928
1.06421E+11	-6.545	1.06421E+11	-2.357	1.06421E+11	-1.816
1.06509E+11	-6.889	1.06509E+11	-2.228	1.06509E+11	-1.711
1.06596E+11	-7.166	1.06596E+11	-2.033	1.06596E+11	-1.582
1.06683E+11	-7.573	1.06683E+11	-1.848	1.06683E+11	-1.502
1.06771E+11	-7.743	1.06771E+11	-1.95	1.06771E+11	-1.672
1.06858E+11	-7.911	1.06858E+11	-2.15	1.06858E+11	-1.933
1.06945E+11	-7.946	1.06945E+11	-2.186	1.06945E+11	-2.01
1.07032E+11	-7.877	1.07032E+11	-1.994	1.07032E+11	-1.854
1.0712E+11	-7.885	1.0712E+11	-1.838	1.0712E+11	-1.728
1.07207E+11	-8.306	1.07207E+11	-1.78	1.07207E+11	-1.697
1.07294E+11	-8.468	1.07294E+11	-1.741	1.07294E+11	-1.714
1.07382E+11	-8.518	1.07382E+11	-1.7	1.07382E+11	-1.763
1.07469E+11	-8.652	1.07469E+11	-1.662	1.07469E+11	-1.747
1.07556E+11	-8.616	1.07556E+11	-1.703	1.07556E+11	-1.796
1.07643E+11	-8.553	1.07643E+11	-1.634	1.07643E+11	-1.706
1.07731E+11	-8.762	1.07731E+11	-1.654	1.07731E+11	-1.849
1.07818E+11	-8.652	1.07818E+11	-1.774	1.07818E+11	-2.013
1.07905E+11	-8.655	1.07905E+11	-2.076	1.07905E+11	-2.28
1.07993E+11	-8.789	1.07993E+11	-2.249	1.07993E+11	-2.483
1.0808E+11	-8.765	1.0808E+11	-2.102	1.0808E+11	-2.371
1.08167E+11	-8.902	1.08167E+11	-1.944	1.08167E+11	-2.134
1.08254E+11	-9.029	1.08254E+11	-1.782	1.08254E+11	-2.052
1.08342E+11	-9.564	1.08342E+11	-1.563	1.08342E+11	-1.912
1.08429E+11	-10.1	1.08429E+11	-1.5	1.08429E+11	-1.859
1.08516E+11	-10.481	1.08516E+11	-1.593	1.08516E+11	-1.942
1.08603E+11	-10.682	1.08603E+11	-1.744	1.08603E+11	-2.439
1.08691E+11	-10.734	1.08691E+11	-2.101	1.08691E+11	-2.524
1.08778E+11	-10.643	1.08778E+11	-1.854	1.08778E+11	-2.203
1.08865E+11	-10.341	1.08865E+11	-1.709	1.08865E+11	-2.096
1.08953E+11	-10.171	1.08953E+11	-1.646	1.08953E+11	-2.074
1.0904E+11	-9.973	1.0904E+11	-1.662	1.0904E+11	-2.126
1.09127E+11	-10.13	1.09127E+11	-1.539	1.09127E+11	-2.082
1.09214E+11	-10.319	1.09214E+11	-1.461	1.09214E+11	-2.013
1.09302E+11	-10.481	1.09302E+11	-1.422	1.09302E+11	-1.969
1.09389E+11	-10.572	1.09389E+11	-0.997	1.09389E+11	-1.832
1.09476E+11	-10.396	1.09476E+11	-0.835	1.09476E+11	-1.741
1.09564E+11	-10.201	1.09564E+11	-1.195	1.09564E+11	-1.777
1.09651E+11	-9.803	1.09651E+11	-1.28	1.09651E+11	-1.931
1.09738E+11	-9.386	1.09738E+11	-1.214	1.09738E+11	-1.862
1.09825E+11	-9.04	1.09825E+11	-1.102	1.09825E+11	-1.829
1.09913E+11	-9.158	1.09913E+11	-0.675	1.09913E+11	-1.439

98.91521	37.307	-2.629	-6.996
99.00249	37.43	-2.722	-7.09
99.08978	37.599	-2.805	-7.317
99.17706	37.807	-2.829	-7.446
99.26434	38.043	-2.719	-7.567
99.35162	38.2	-2.747	-7.663
99.4389	38.326	-2.763	-7.869
99.52618	38.425	-2.774	-8.135
99.61347	38.516	-2.843	-8.268
99.70075	38.593	-2.851	-8.597
99.78803	38.645	-2.845	-8.764
99.87531	38.725	-2.878	-9.146
99.96259	38.848	-2.972	-9.446
100.0499	38.958	-3.133	-9.816
100.1372	39.038	-3.257	-10.13
100.2244	39.079	-3.326	-10.613
100.3117	39.059	-3.422	-11.19
100.399	38.9	-3.496	-11.739
100.4863	38.683	-3.548	-12.077
100.5736	38.464	-3.647	-12.761
100.6608	38.294	-3.705	-13.609
100.7481	38.153	-3.862	-14.113
100.8354	38.027	-4.034	-15.062
100.9227	37.925	-4.167	-16.941
101.01	37.832	-4.304	-17.614
101.0973	37.669	-4.455	-19.897
101.1845	37.544	-4.653	-21.63
101.2718	37.453	-4.779	-22.366
101.3591	37.134	-4.963	-23.171
101.4464	36.977	-5.422	-22.185
101.5337	36.865	-5.562	-23.712
101.6209	36.76	-5.642	-23.77
101.7082	36.7	-5.762	-24.294
101.7955	36.574	-6.029	-23.506
101.8828	36.434	-6.334	-21.904
101.9701	36.28	-6.751	-18.878
102.0574	36.145	-7.048	-17.17
102.1446	36.047	-7.421	-16.103
102.2319	35.907	-8.045	-14.382
102.3192	35.785	-8.603	-13.665
102.4065	35.58	-9.009	-12.536
102.4938	35.459	-9.627	-11.374
102.581	35.322	-10.374	-10.926
102.6683	35.14	-11.319	-10.165
102.7556	35.019	-12.396	-9.548
102.8429	35	-13.009	-8.987
102.9302	34.975	-13.662	-8.352
103.0175	35.019	-14.187	-7.899
103.1047	34.956	-14.384	-7.509
103.192	34.858	-14.456	-7.136
103.2793	34.657	-14.357	-6.878
103.3666	34.428	-13.769	-6.594
103.4539	34.236	-13.272	-6.317
103.5411	34.124	-12.616	-6.093
103.6284	34.096	-12.022	-5.968
103.7157	34.044	-11.451	-5.831
103.803	33.987	-10.913	-5.307
103.8903	33.863	-10.13	-5.068
103.9776	33.671	-9.633	-4.939
104.0648	33.313	-9.105	-4.785
104.1521	32.946	-8.682	-4.587
104.2394	32.638	-8.336	-4.414
104.3267	32.476	-8.067	-4.34
104.414	32.33	-7.809	-4.357
104.5012	32.289	-7.43	-4.206
104.5885	32.281	-7.034	-4.093
104.6758	32.275	-6.741	-3.906
104.7631	32.236	-6.361	-3.758
104.8504	32.059	-6.139	-3.656
104.9377	31.85	-5.587	-3.521
105.0249	31.665	-5.199	-3.367
105.1122	31.581	-4.933	-3.137
105.1995	31.611	-4.688	-2.966
105.2868	31.591	-4.346	-2.753
105.3741	31.625	-4.15	-2.65
105.4613	31.58	-4.104	-2.708
105.5486	31.451	-3.93	-2.686
105.6359	31.18	-3.722	-2.571
105.7232	30.858	-3.471	-2.414
105.8105	30.488	-3.31	-2.319
105.8978	30.224	-3.145	-2.211
105.985	29.888	-2.955	-2.062
106.0723	29.567	-2.75	-1.912
106.1596	29.289	-2.703	-1.923
106.2469	28.957	-2.629	-1.959
106.3342	28.74	-2.56	-1.928
106.4214	28.455	-2.357	-1.816
106.5087	28.111	-2.228	-1.711
106.596	27.834	-2.033	-1.582
106.6833	27.427	-1.848	-1.502
106.7706	27.257	-1.95	-1.672
106.8579	27.089	-2.15	-1.933
106.9451	27.054	-2.186	-2.01
107.0324	27.123	-1.994	-1.854
107.1197	27.115	-1.838	-1.728
107.207	26.694	-1.78	-1.697
107.2943	26.532	-1.741	-1.714
107.3815	26.482	-1.7	-1.763
107.4688	26.348	-1.662	-1.747
107.5561	26.384	-1.703	-1.796
107.6434	26.447	-1.634	-1.706
107.7307	26.238	-1.654	-1.849
107.818	26.348	-1.774	-2.013
107.9052	26.345	-2.076	-2.28
107.9925	26.211	-2.249	-2.483
108.0798	26.235	-2.102	-2.371
108.1671	26.098	-1.944	-2.134
108.2544	25.971	-1.782	-2.052
108.3416	25.436	-1.563	-1.912
108.4289	24.9	-1.5	-1.859
108.5162	24.519	-1.593	-1.942
108.6035	24.318	-1.744	-2.439
108.6908	24.266	-2.101	-2.524
108.7781	24.357	-1.854	-2.203
108.8653	24.659	-1.709	-2.096
108.9526	24.829	-1.646	-2.074
109.0399	25.027	-1.662	-2.126
109.1272	24.87	-1.539	-2.082
109.2145	24.681	-1.461	-2.013
109.3017	24.519	-1.422	-1.969
109.389	24.428	-0.997	-1.832
109.4763	24.604	-0.835	-1.741
109.5636	24.799	-1.195	-1.777
109.6509	25.197	-1.28	-1.931
109.7382	25.614	-1.214	-1.862
109.8254	25.96	-1.102	-1.829
109.9127	25.842	-0.675	-1.439

I00591_1 – 50 GHz Pre-amplifier	
From 11-1-2020 test data	
1.000	-48.13
1.024	-48.12
1.498	-47.93
1.523	-47.92
1.998	-47.74
2.023	-47.73
2.497	-47.45
2.522	-47.43
2.996	-46.96
3.021	-46.95
3.496	-46.98
3.521	-46.98
3.995	-46.84
4.020	-46.82
4.494	-46.42
4.519	-46.41
4.994	-46.16
5.019	-46.16
5.493	-46.03
5.518	-46.02
5.993	-45.80
6.018	-45.79
6.492	-45.51
6.517	-45.49
6.991	-45.23
7.016	-45.21
7.491	-45.01
7.516	-44.99
7.990	-44.71
8.015	-44.70
8.489	-44.39
8.514	-44.37
8.989	-44.12
9.014	-44.11
9.488	-43.87
9.513	-43.86
9.988	-43.66
10.013	-43.65

10.487	-43.36
10.512	-43.35
10.986	-43.13
11.011	-43.12
11.486	-42.96
11.511	-42.95
11.985	-42.81
12.010	-42.81
12.484	-42.68
12.509	-42.67
12.984	-42.52
13.009	-42.51
13.483	-42.35
13.508	-42.34
13.983	-42.10
14.008	-42.08
14.482	-41.78
14.507	-41.76
14.981	-41.36
15.006	-41.35
15.481	-40.95
15.506	-40.93
15.980	-40.73
16.005	-40.71
16.479	-40.66
16.504	-40.66
16.979	-40.70
17.004	-40.69
17.478	-40.72
17.503	-40.72
17.528	-40.72
17.978	-40.73
18.003	-40.73
18.477	-40.73
18.502	-40.76
18.976	-40.93
19.001	-40.94
19.576	-41.25
19.601	-41.27
19.975	-41.64
20.000	-41.67

20.499	-42.17
20.524	-42.21
20.999	-43.06
21.024	-43.09
21.498	-43.61
21.523	-43.62
21.898	-43.79
21.923	-43.79
22.497	-43.64
22.522	-43.64
22.996	-43.59
23.021	-43.56
23.496	-43.36
23.521	-43.35
23.995	-43.13
24.020	-43.15
24.494	-42.98
24.519	-42.93
24.994	-42.67
25.019	-42.65
25.493	-42.29
25.518	-42.27
25.993	-42.23
26.018	-42.24
26.492	-42.84
26.517	-42.87
26.991	-43.30
27.016	-43.31
27.491	-43.15
27.516	-43.15
27.990	-42.74
28.015	-42.75
28.489	-42.89
28.514	-42.89
28.989	-43.01
29.014	-43.02
29.488	-42.34
29.513	-42.31
29.988	-42.07
30.013	-42.10
30.487	-42.43

30.512	-42.47
30.986	-43.60
31.011	-43.68
31.486	-43.89
31.511	-43.79
31.985	-42.73
32.010	-42.73
32.484	-42.60
32.509	-42.65
32.984	-43.13
33.009	-43.16
33.483	-43.93
33.508	-43.96
33.983	-43.42
34.008	-43.39
34.482	-42.73
34.507	-42.65
34.981	-41.78
35.006	-41.70
35.481	-41.91
35.506	-41.94
35.980	-42.58
36.005	-42.57
36.479	-44.03
36.504	-43.99
36.979	-44.14
37.004	-44.19
37.478	-44.01
37.503	-43.95
37.978	-44.66
38.003	-44.66
38.477	-45.48
38.502	-45.41
38.976	-46.51
39.001	-46.43
39.476	-47.37
39.501	-47.45
39.950	-47.95
39.975	-48.00
40.000	-48.08

Subject : CAL INTERVAL
Date : Monday, September 10, 2018 11:38 am
Linked to : Main Email Address (Lori Montgomery)
From : <usa_orders@keysight.com>
To : <MARKS@COMPLIANCETESTING.COM>

Hi Mark,

You can find below the cal interval for your products.

11970V - 36 MONTH
11970W - 36 MONTH
11970Q - 36 MONTH

Please let us know if you have any further questions at all.

Best Regards,

Tenesha Swift

Support Order Manager
IntelliSource CCC Operations

Keysight Technologies, Inc.
800 829 4444 T | 800 829 4433 F
usa_orders@keysight.com
www.keysight.com

Electro Rent Corporation
15385 Oxnard St
Van Nuys, CA 91411
Toll Free: (800) 455-5445
Phone: (818) 787-2100
Email: csc@electorent.com
Web: www.electorent.com

Certificate of Conformance

Order Number: 2914630
Purchase Order Number: P001027
Order Shipping Date: MAY 24, 2021
Testing Facility: ELECTRO RENT CORPORATION (WDC)
15385 OXNARD ST
VAN NUYS, CA 91411

The equipment for this order meets or exceeds published specifications and has been tested or otherwise verified using industry accepted methods. This certification shall not be reproduced except in full, without the written approval of Electro Rent Corporation.

Electro Rent Corporation
Authorized Signature
Alejandra Salazar
Director of Quality

Alejandra Salazar

Purchase Order

Order No.: **P001027**
Date: 5/7/21
Vendor ID: ELECTRO RENT

Compliance Testing LLC
1724 S Nevada Way
Mesa, AZ, 85204
Phone: 480-926-3100
Web: compliancetesting.com

TO:	SHIP TO:
Electro Rent Corporation 27315 Network Place Chicago IL 60673-1273 United States of America	Compliance Testing LLC 1724 S Nevada Way Mesa AZ 85204 United States of America

FOB POINT	SHIP VIA	TERMS	ORDER DATE
		Net 30	5/7/21

ITEM	QTY.	UNIT PRICE	EXTENDED PRICE
(monthly) tranportable license for option SMW-K61 (multi-carrier CW signal)	1.00		
(monthly) transportable license for option SMW-K144 (new radio)	1.00		
monthly rental KT-E8257DS15 (50-75GHz millimeter source module)	1.00		
monthly rental KT-E8257DSD10 (75-110GHz millilmeter source module)	1.00		
monthly rental of Rohde & Schwarz SMW200A (options 40/B9/B13XT/B22)	1.00		
Please ship UPS 2nd Day Air using our account #50x0x2.	0.00		

PO Total:
Tax Total:

Total (USD):

Electro Rent Corporation
15385 Oxnard St
Van Nuys, CA 91411
Toll Free: (800) 455-5445
Phone: (818) 787-2100
Email: csc@electorent.com
Web: www.electorent.com

Certificate of Conformance

Order Number: 2914630
Purchase Order Number: P001027
Order Shipping Date: MAY 24, 2021
Testing Facility: ELECTRO RENT CORPORATION (WDC)
15385 OXNARD ST
VAN NUYS, CA 91411

The equipment for this order meets or exceeds published specifications and has been tested or otherwise verified using industry accepted methods. This certification shall not be reproduced except in full, without the written approval of Electro Rent Corporation.

Electro Rent Corporation
Authorized Signature
Alejandra Salazar
Director of Quality

Alejandra Salazar

Purchase Order

Order No.: **P001027**
Date: 5/7/21
Vendor ID: ELECTRO RENT

Compliance Testing LLC
1724 S Nevada Way
Mesa, AZ, 85204
Phone: 480-926-3100
Web: compliancetesting.com

TO:	SHIP TO:
Electro Rent Corporation 27315 Network Place Chicago IL 60673-1273 United States of America	Compliance Testing LLC 1724 S Nevada Way Mesa AZ 85204 United States of America

FOB POINT	SHIP VIA	TERMS	ORDER DATE
		Net 30	5/7/21

ITEM	QTY.	UNIT PRICE	EXTENDED PRICE
(monthly) tranportable license for option SMW-K61 (multi-carrier CW signal)	1.00		
(monthly) transportable license for option SMW-K144 (new radio)	1.00		
monthly rental KT-E8257DS15 (50-75GHz millimeter source module)	1.00		
monthly rental KT-E8257DSD10 (75-110GHz millilmeter source module)	1.00		
monthly rental of Rohde & Schwarz SMW200A (options 40/B9/B13XT/B22)	1.00		
Please ship UPS 2nd Day Air using our account #50x0x2.	0.00		

PO Total:
Tax Total:

Total (USD):

Electro Rent Corporation

15385 OXNARD ST
VAN NUYS, CA 91411

CALIBRATION CERTIFICATE

Certificate Number: 1749933B-05/13/21
Calibration Date: 05/13/21
Procedure Method: VENDOR CAL
Revision Level: V04.92

Calibration Facility: ROHDE & SCHWARZ USA,INC
6821 BENJAMIN FRANKLIN DR.
COLUMBIA, MD 21046

The equipment listed has been calibrated using the method identified above.

Measurements are traceable to the SI as defined by the documentary standards to which compliance is claimed through the calibration equipment identified on the following page, or the supplier's certificate.

Reported results of calibration are based on calibration procedure test limits, test ratios or measurement uncertainty and decision risk rules of the documentary standards to which compliance is claimed. Electro Rent Corp. does not report indeterminate results.

Calibration measurement results with units of measurement and associated measurement uncertainty information calculated using GUM methods, or as provided by the calibration procedure are identified with the asset number in order to ensure that the page(s) is (are) recognized as a part of this calibration certificate.

This certificate and associated report may not be reproduced except in full without approval of Electro Rent Corporation.

Electro Rent West Coast Distribution Center quality management system implements ISO 9001 and is registered. Our calibration system implements ISO/IEC 17025, ANSI Z540-1, and MIL-STD-45662A.

This calibration certificate and any associated report is not intended to demonstrate traceability per ILAC P10.

Manufacturer:	Rohde & Schwarz
Model Number:	SMW200A-40
Serial Number:	105546
Asset Number:	1749933B
Description:	100kHz-40GHz Vector signal generator
Customer:	COMPLIANCE TESTING 1724 S. NEVADA WAY MESA, AZ 85204
Customer PO:	P001027
Performance upon receipt:	INOPERATIVE
Results of calibration:	IN TOL ADJUST
Ambient Temp:	70.0F
Relative Humidity:	40.00%
Date of Issue:	05/21/21
Calib Due Date:	05/13/24
OS Build:	N/A
Firmware:	4.80.041.57

Laboratory Manager:
Alejandra Salazar

Alejandra Salazar

Technician:
OSCAR AVILA

CALIBRATION CERTIFICATE

Model Number: SMW200A-40 **Asset Number:** 1749933B
Certificate Number: 1749933B-05/13/21 **Serial Number:** 105546

Calibration Date: 05/13/21

Calibration Equipment

Description	Model	Asset	Certificate Number	Cal. Due
N/A	N/A	N/A	N/A	N/A

Remarks:

VENDOR CALIBRATION CERTIFICATE NO: 5000-309127836