



# RADIATED EMISSIONS

Test Report #: 72163097 Test Area: STS

EUT Model #: TBD Date: 22 September 2020

EUT Serial #: TBD EUT Power: 14VDC

Test Method: EN 61000-6-3 Temperature: 23 °C

Customer: Data Panel Air Pressure: 99 kPa

EUT Description: Prototypes Relative Humidity: 48 %

Notes: 3m limits are 10dB higher than 10m limits.

Tested by: Doug Dahl Reviewed by: Brad A Reasoner

Signature: *Doug Dahl* Signature: \_\_\_\_\_

## Equipment List Used During Testing

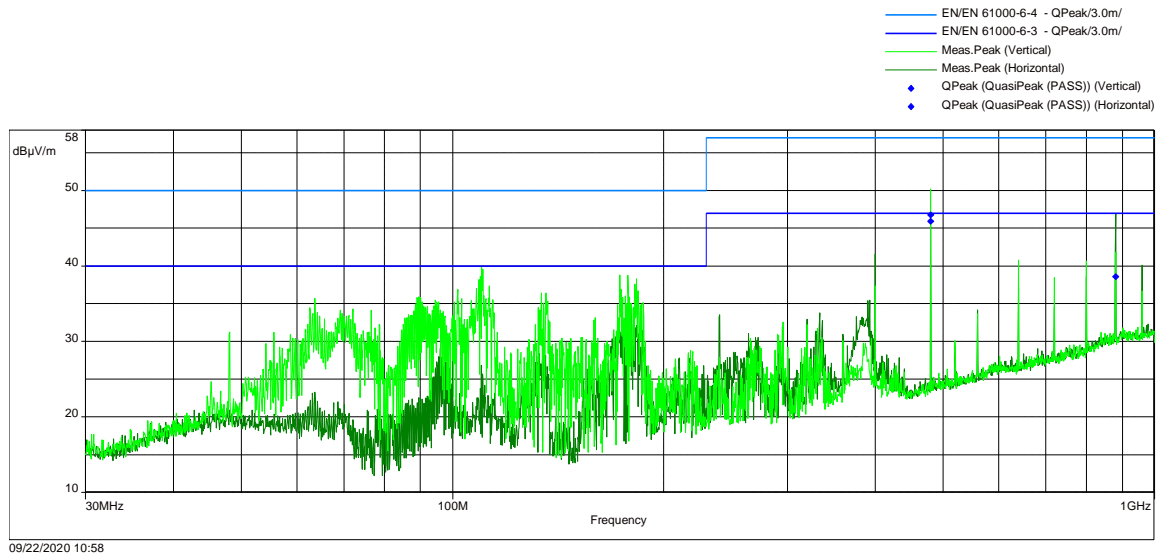
Equipment Description	Equipment Manufacturer	Equipment Model #	Equipment SN#	Asset #	Frequency Range	Calibrated On	Calibration Due	Calibration Required (Y or N)
Antenna - Trilog	Schwarzbeck	VULB 9162	9162-196	NBLE11579	30 MHz - 8 GHz	11/20/2018	11/20/2020	Yes
Preamplifier - 8447D	Hewlett-Packard	8447D	2727A05370	NBLE11142	100 kHz - 1.3 GHz	6/5/2019	12/5/2020	Yes
Receiver - R&S ESR	Rohde & Schwarz	ESR 7	101771	NBLE11592	10 Hz - 7 GHz	8/20/2019	11/20/2020	Yes

Note: If Calibration not required, internal verifications are performed

# RADIATED EMISSIONS

## Test RE 30M-1GHz - Standard

Frequency Range	Polarity	Antenna Distance	RBW	Step Size	Sweep Time
30MHz- 1GHz	Vertical	3m	120kHz	18001Pts	1 ms/MHz
30MHz- 1GHz	Horizontal	3m	120kHz	18001Pts	1 ms/MHz



**Limit:**  
EN 61000-6-3

**Test Results:**  
Pass

Test Notes: Standard

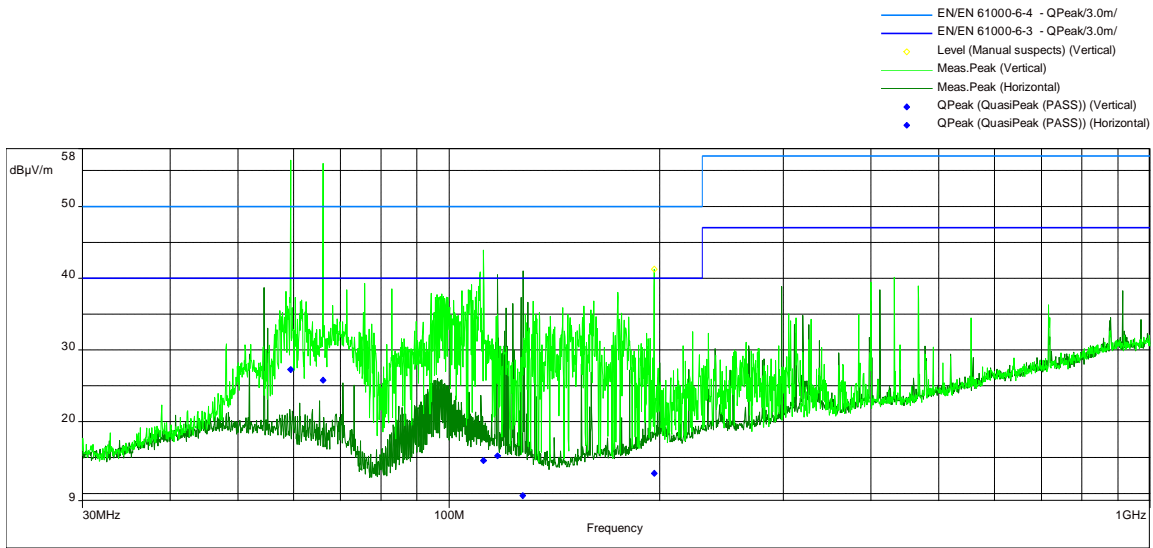
### Data Table

Frequency	QP Level (dBµV/m)	QP Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
479.995MHz	45.92	47.00	-1.08	117.00	1.00	Vertical	Pass
480.00031MHz	46.78	47.00	-0.22	356.00	1.00	Horizontal	Pass
880.03854MHz	38.55	47.00	-8.45	243.00	1.00	Horizontal	Pass

# RADIATED EMISSIONS

## Test RE 30M-1GHz - SIT9005

Frequency Range	Polarity	Antenna Distance	RBW	Step Size	Sweep Time
30MHz- 1GHz	Vertical	3m	120kHz	18001Pts	1 ms/MHz
30MHz- 1GHz	Horizontal	3m	120kHz	18001Pts	1 ms/MHz



**Limit:**  
EN 61000-6-3

**Test Results:**  
Pass

Test Notes: SIT9005

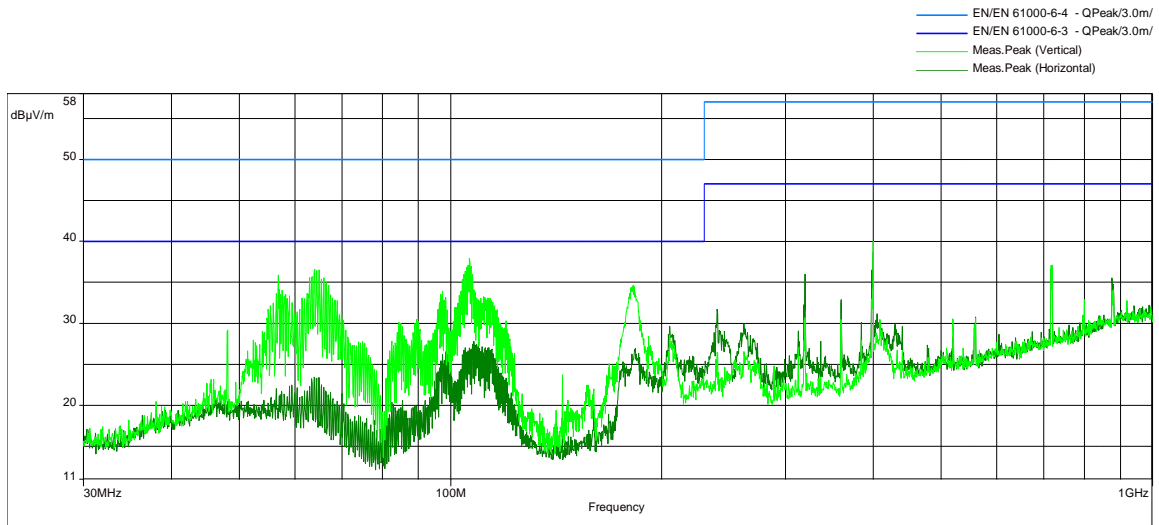
### Data Table

Frequency	QP Level (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (°)	Height (m)	Polarity	Result
59.427538MHz	27.26	40.00	-12.74	204.00	1.20	Vertical	Pass
66.132435MHz	25.79	40.00	-14.21	360.00	1.00	Vertical	Pass
112.04756MHz	14.59	40.00	-25.41	360.00	1.00	Vertical	Pass
117.30377MHz	15.27	40.00	-24.73	242.00	4.00	Horizontal	Pass
127.49975MHz	9.72	40.00	-30.28	360.00	4.00	Horizontal	Pass
196.21336MHz	12.84	40.00	-27.16	242.00	1.00	Vertical	Pass

# RADIATED EMISSIONS

## Test RE 30M-1GHz - 34044-5 SIT9005

Frequency Range	Polarity	Antenna Distance	RBW	Step Size	Sweep Time
30MHz- 1GHz	Vertical	3m	120kHz	18001Pts	1 ms/MHz
30MHz- 1GHz	Horizontal	3m	120kHz	18001Pts	1 ms/MHz



09/22/2020 11:17

**Limit:**  
EN 61000-6-3

**Test Results:**  
Pass

Test Notes: 34044-5 SIT9005 Pre-screen only.