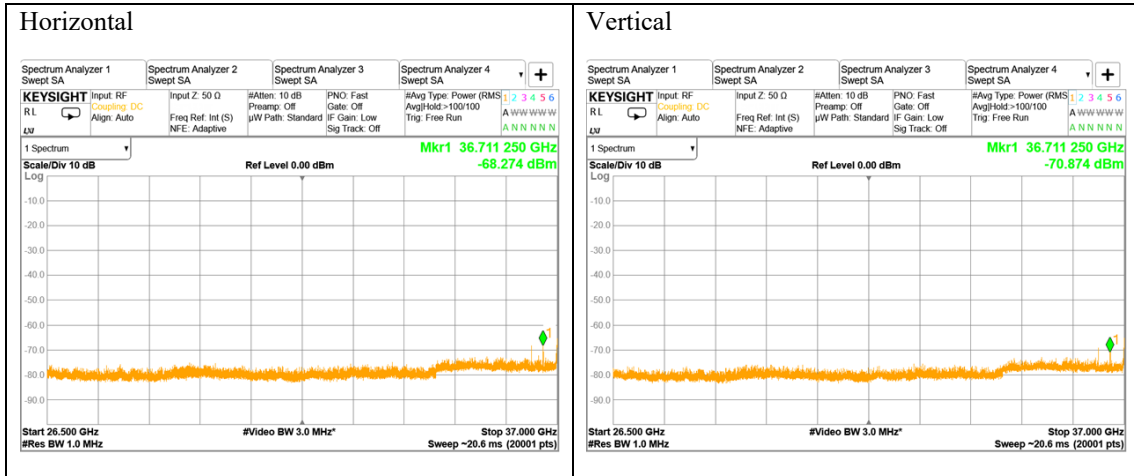


**n260 ANT #0**

26.5 GHz – 40 GHz (Except for 37 GHz – 40 GHz)

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

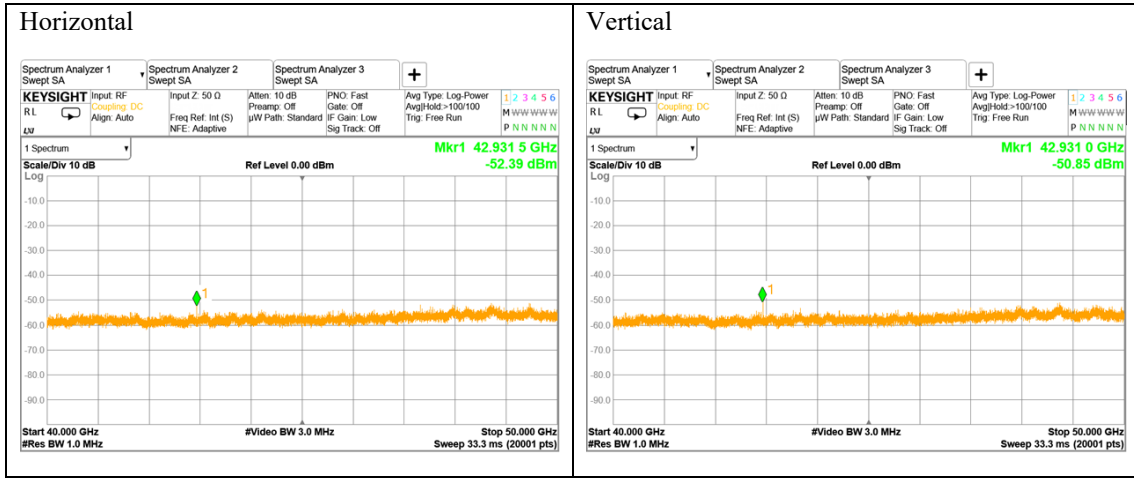
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	36.711	-67.30	1.0	39.21	-28.09	-13	15.09
V	36.711	-67.88	1.0	39.21	-28.67	-13	15.67

AV: Average Detector.

**n260 ANT #0**

40 GHz – 50 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

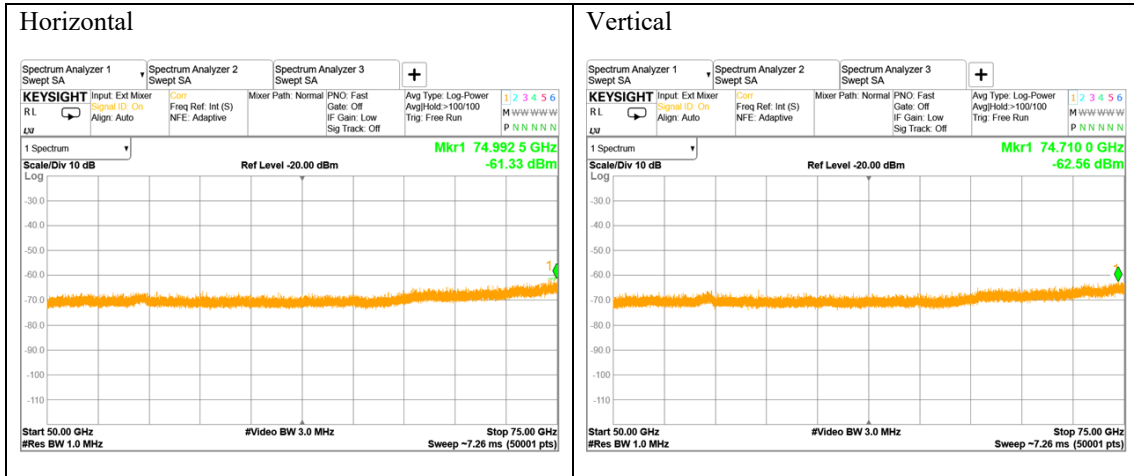
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	42.932	-52.79	2.0	26.66	-26.12	-13	13.12
V	42.931	-53.41	2.0	26.66	-26.75	-13	13.75

AV: Average Detector.

**n260 ANT #0**

50 GHz – 75 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

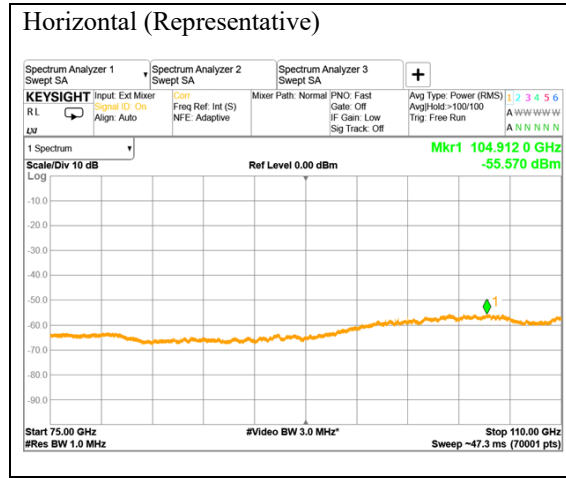
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	74.037	-68.79	2.0	30.81	-37.98	-13	24.98
V	74.037	-70.08	2.0	30.81	-39.27	-13	26.27

AV: Average Detector.

**n260 ANT #0**

75 GHz – 110 GHz

**Chart**

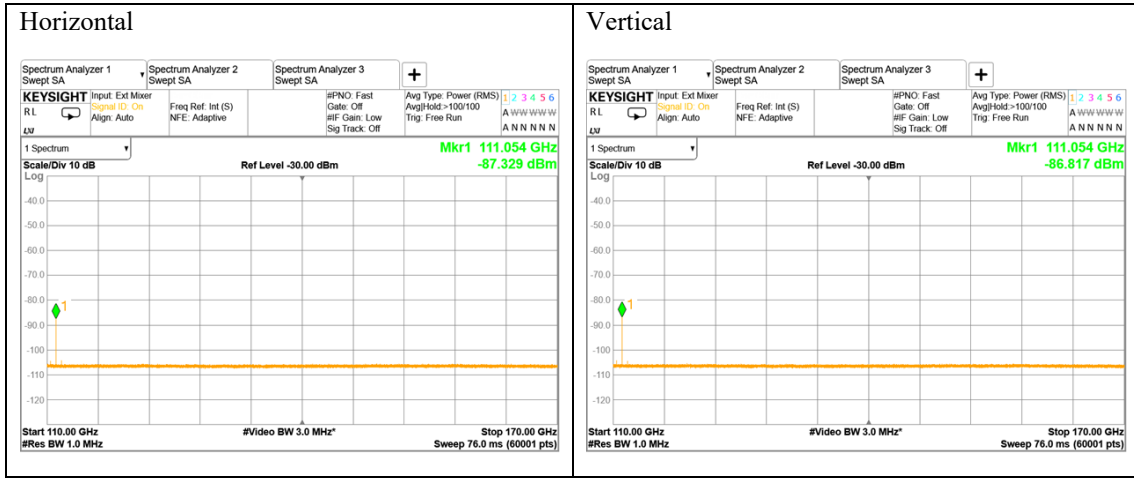


No ssions detected.

**n260 ANT #0**

110 GHz – 170 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

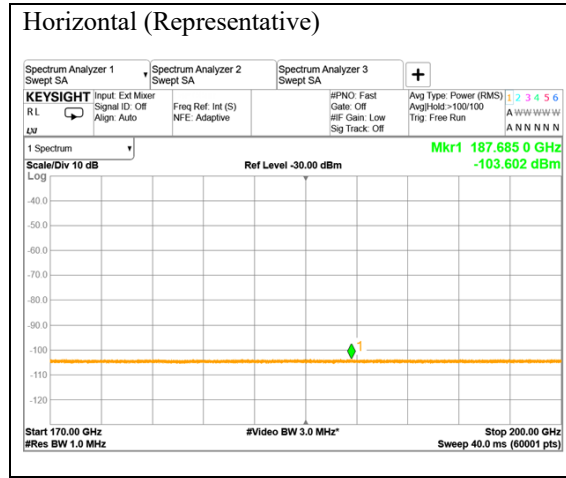
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	111.054	-83.66	0.5	58.40	-25.26	-13	12.26
V	111.054	-86.06	0.5	58.40	-27.65	-13	14.65

AV: Average Detector.

**n260 ANT #0**

170 GHz – 200 GHz

**Chart**

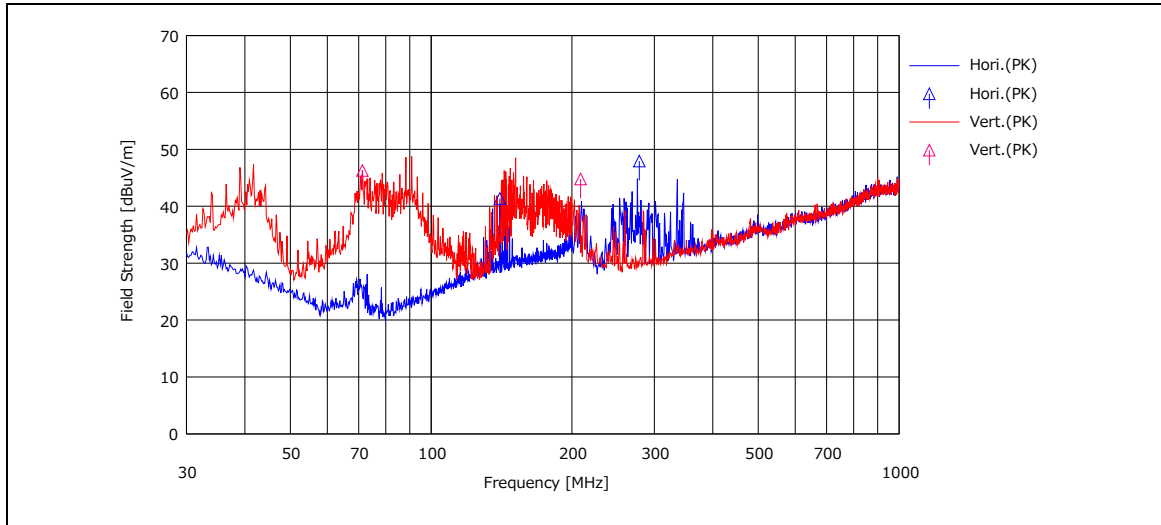


No ssions detected.

**n260 ANT #1**

30 MHz – 1000 MHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [MHz]	Reading (PK) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Amp. Gain [dB]	Field Strength <i>E</i> [dBuV/m]	Meas. distance <i>D</i> [m]	Corrected EIRP (PK) [dBm]	Limit EIRP [dBm]	Margin [dB]	Remarks
H	140.271	50.43	14.52	8.63	32.21	41.37	3.0	-53.89	-13	40.89	
	278.550	56.37	13.78	9.89	32.11	47.93	3.0	-47.33	-13	34.33	
V	71.289	64.33	6.40	7.81	32.26	46.28	3.0	-48.98	-13	35.98	
	208.637	55.98	11.67	9.29	32.16	44.78	3.0	-50.48	-13	37.48	

$$E \text{ [dBuV/m]} = \text{Reading [dBuV]} + \text{Ant. Factor [dB/m]} + \text{Loss(Cable + ATT)[dB]} - \text{Amp. Gain[dB]}$$

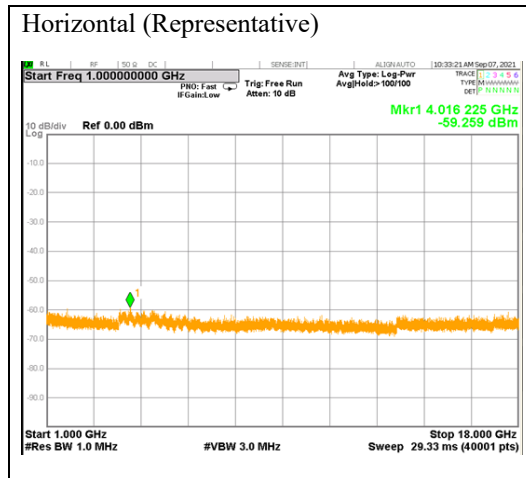
$$\text{EIRP [dBm]} = E \text{ [dBuV/m]} + 20\text{Log}(D) - 104.8$$

PK: Peak Detector

**n260 ANT #1**

1 GHz – 18 GHz

**Chart**



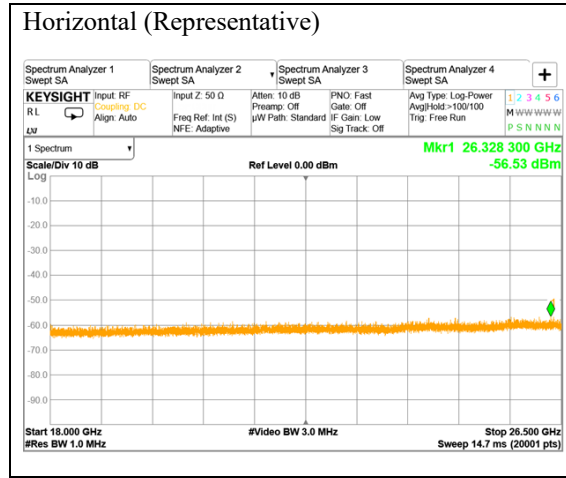
No Emissions detected.



**n260 ANT #1**

18 GHz – 26.5 GHz

**Chart**

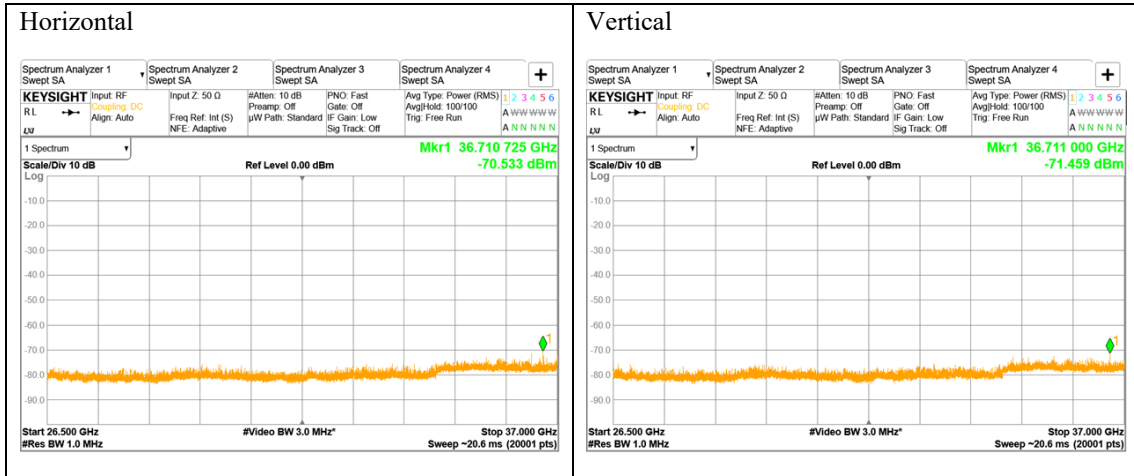


No Emissions detected.

**n260 ANT #1**

26.5 GHz – 40 GHz (Except for 37 GHz – 40 GHz)

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

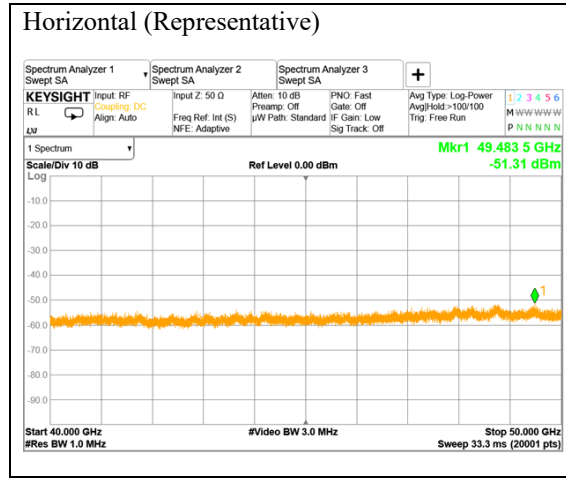
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	36.711	-68.67	1.0	39.21	-29.46	-13	16.46
V	36.711	-69.30	1.0	39.21	-30.09	-13	17.09

AV: Average Detector.

**n260 ANT #1**

40 GHz – 50 GHz

**Chart**

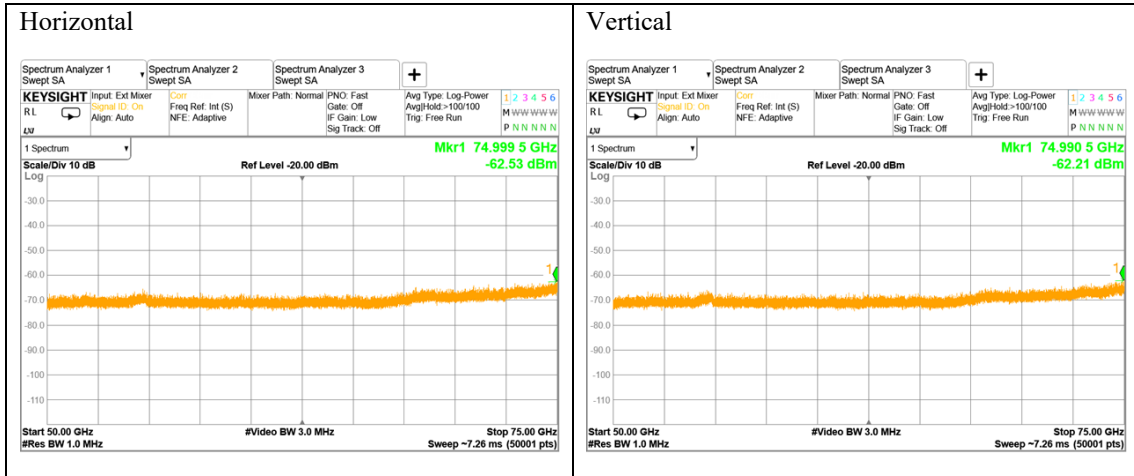


No emissions detected.

**n260 ANT #1**

50 GHz – 75 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

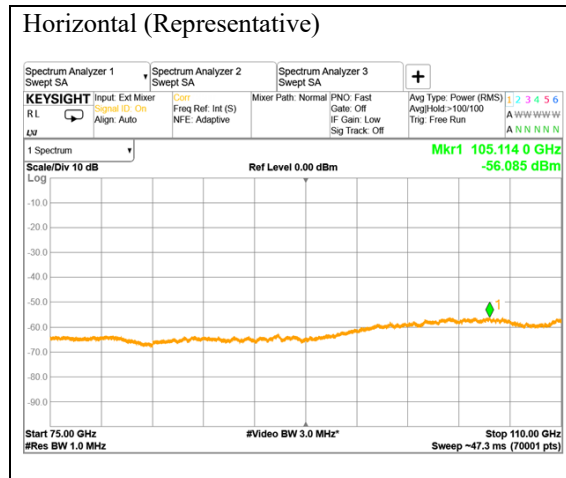
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	74.037	-68.32	2.0	30.81	-37.51	-13	24.51
V	74.037	-67.06	2.0	30.81	-36.25	-13	23.25

AV: Average Detector.

**n260 ANT #1**

75 GHz – 110 GHz

**Chart**

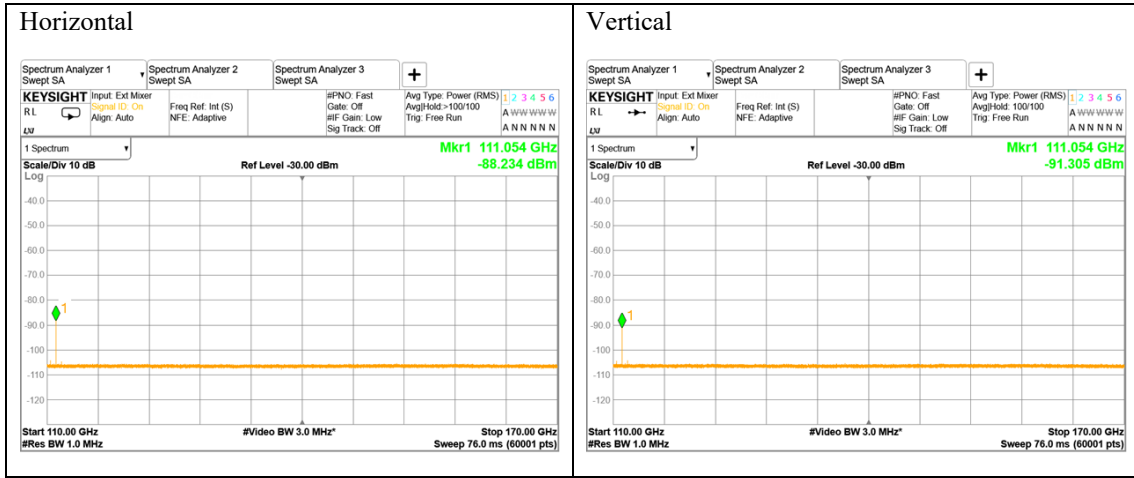


No Emissions detected.

**n260 ANT #1**

110 GHz – 170 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

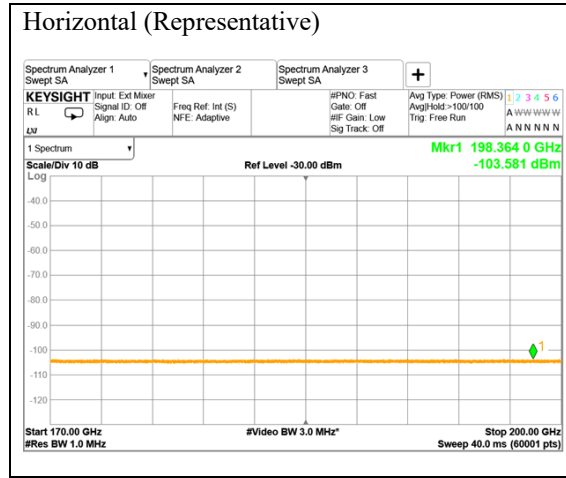
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance <i>D</i> [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	111.054	-84.57	0.5	58.75	-25.82	-13	12.82
V	111.054	-90.29	0.5	58.75	-31.54	-13	18.54

AV: Average Detector.

**n260 ANT #1**

170 GHz – 200 GHz

**Chart**

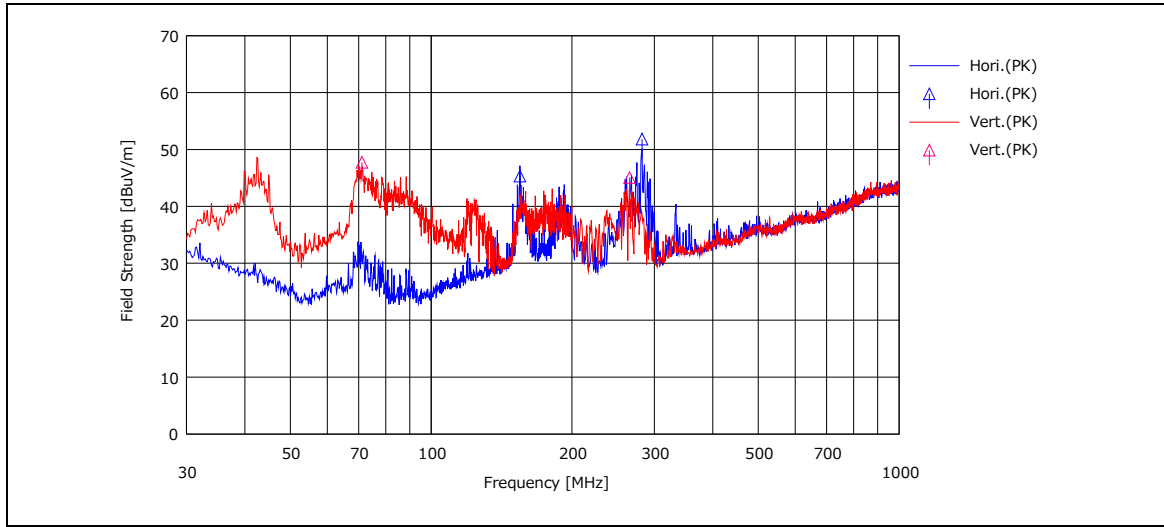


No ssions detected.

**n260 ANT #2**

30 MHz – 1000 MHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [MHz]	Reading (PK) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Amp. Gain [dB]	Field Strength <i>E</i> [dBuV/m]	Meas. distance <i>D</i> [m]	Corrected EIRP (PK) [dBm]	Limit EIRP [dBm]	Margin [dB]	Remarks
H	155.256	53.84	15.30	8.79	31.95	45.98	3.0	-49.28	-13	36.28	
	240.615	53.20	12.09	9.57	31.89	42.97	3.0	-52.29	-13	39.29	
V	70.031	65.90	6.42	7.79	32.02	48.09	3.0	-47.17	-13	34.17	
	240.615	55.40	12.09	9.57	31.89	45.17	3.0	-50.09	-13	37.09	

$$E \text{ [dBuV/m]} = \text{Reading [dBuV]} + \text{Ant. Factor [dB/m]} + \text{Loss(Cable + ATT)[dB]} - \text{Amp. Gain[dB]}$$

$$\text{EIRP [dBm]} = E \text{ [dBuV/m]} + 20\text{Log}(D) - 104.8$$

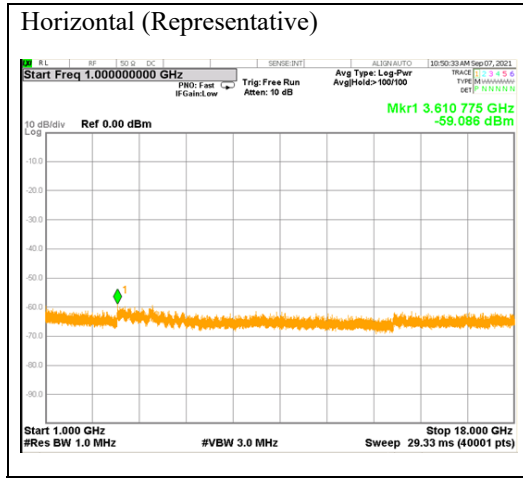
PK: Peak Detector



**n260 ANT #2**

1 GHz – 18 GHz

**Chart**

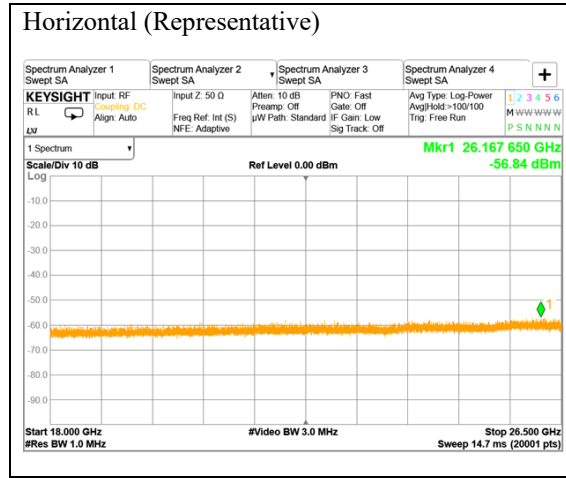


No Emissions detected.

**n260 ANT #2**

**18 GHz – 26.5 GHz**

**Chart**

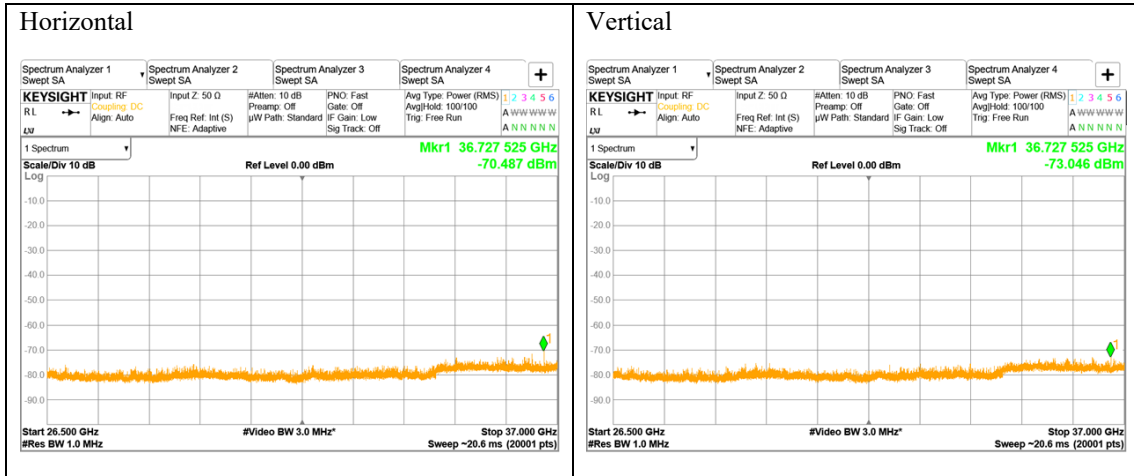


No Emissions detected.

**n260 ANT #2**

26.5 GHz – 40 GHz (Except for 37 GHz – 40 GHz)

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

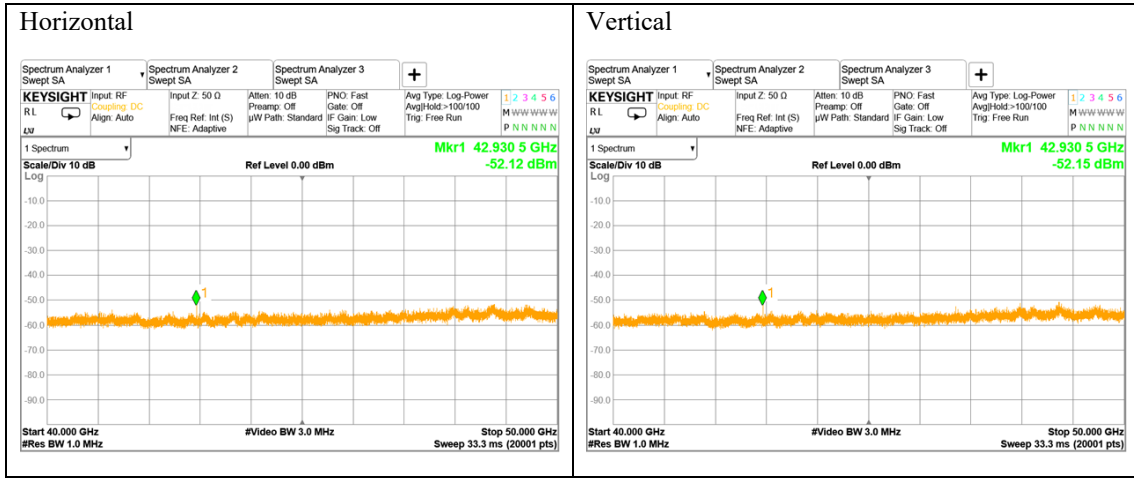
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	36.727	-68.49	1.0	39.23	-29.26	-13	16.26
V	36.727	-69.94	1.0	39.23	-30.71	-13	17.71

AV: Average Detector.

**n260 ANT #2**

40 GHz – 50 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

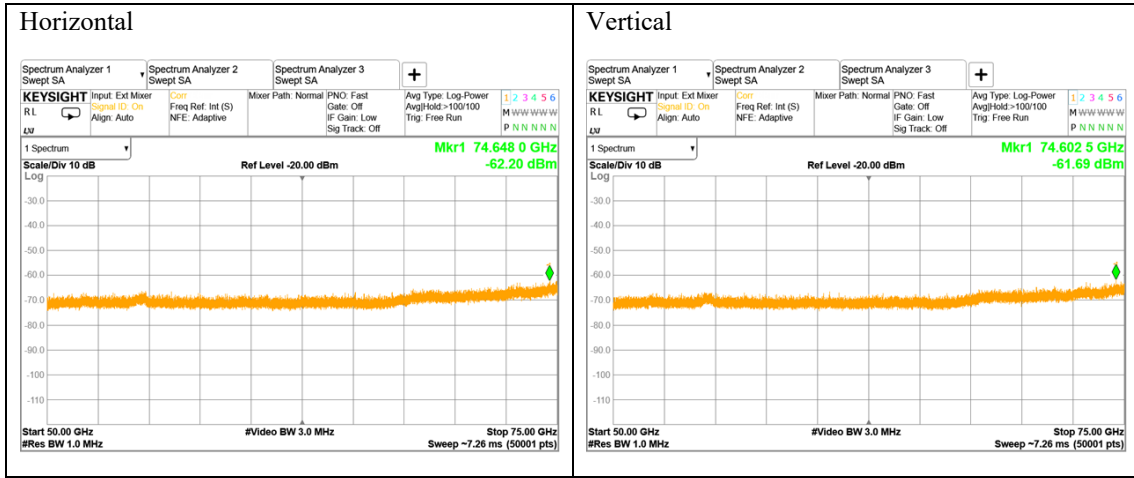
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	42.931	-53.47	2.0	26.66	-26.81	-13	13.81
V	42.931	-57.68	2.0	26.66	-31.02	-13	18.02

AV: Average Detector.

**n260 ANT #2**

50 GHz – 75 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

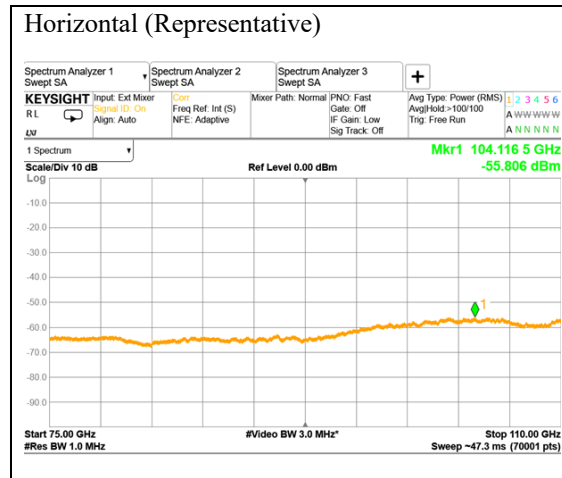
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	74.069	-69.58	2.0	30.83	-38.75	-13	25.75
V	74.069	-69.21	2.0	30.83	-38.38	-13	25.38

AV: Average Detector.

**n260 ANT #2**

75 GHz – 110 GHz

**Chart**

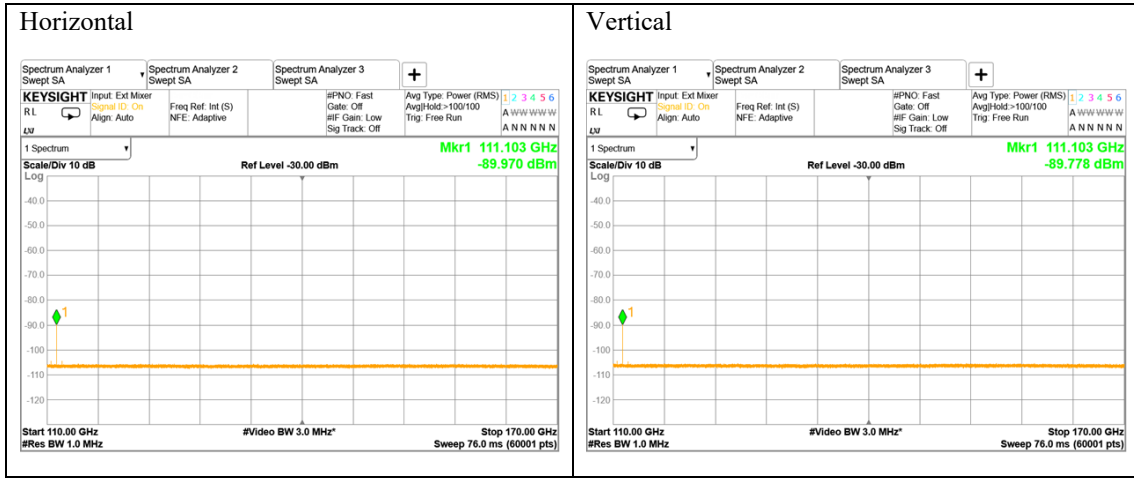


No ssions detected.

**n260 ANT #1**

110 GHz – 170 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

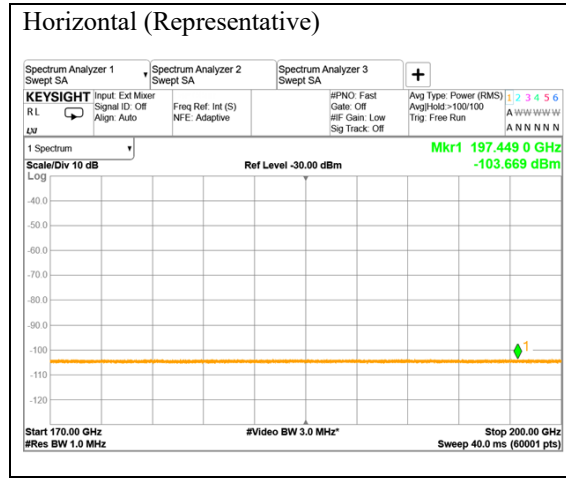
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	111.103	-86.65	0.5	58.40	-28.25	-13	15.25
V	111.103	-88.85	0.5	58.40	-30.45	-13	17.45

AV: Average Detector.

**n260 ANT #2**

170 GHz – 200 GHz

**Chart**



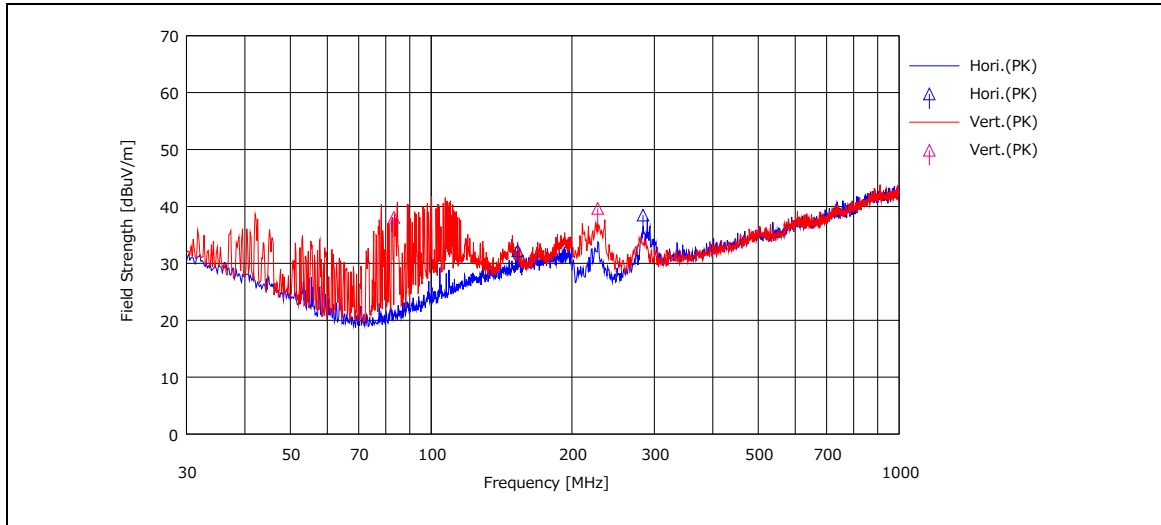
No Emissions detected.



**n261 ANT #0**

30 MHz – 1000 MHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [MHz]	Reading (PK) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Amp. Gain [dB]	Field Strength <i>E</i> [dBuV/m]	Meas. distance <i>D</i> [m]	Corrected EIRP (PK) [dBm]	Limit EIRP [dBm]	Margin [dB]	Remarks
H	152.910	40.32	15.23	8.77	32.20	32.12	3.0	-63.14	-13	50.14	
	283.810	46.79	13.87	9.93	32.10	38.49	3.0	-56.77	-13	43.77	
V	83.090	54.99	7.38	7.97	32.26	38.08	3.0	-57.18	-13	44.18	
	226.920	50.42	11.92	9.45	32.15	39.64	3.0	-55.62	-13	42.62	

$$E \text{ [dBuV/m]} = \text{Reading [dBuV]} + \text{Ant. Factor [dB/m]} + \text{Loss(Cable + ATT)[dB]} - \text{Amp. Gain[dB]}$$

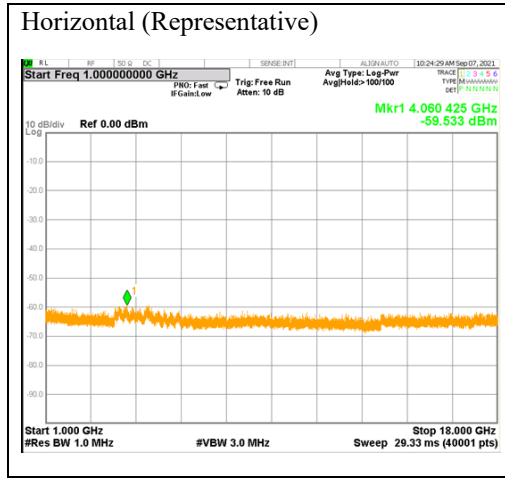
$$\text{EIRP [dBm]} = E \text{ [dBuV/m]} + 20\text{Log}(D) - 104.8$$

PK: Peak Detector

**n261 ANT #0**

1 GHz – 18 GHz

**Chart**

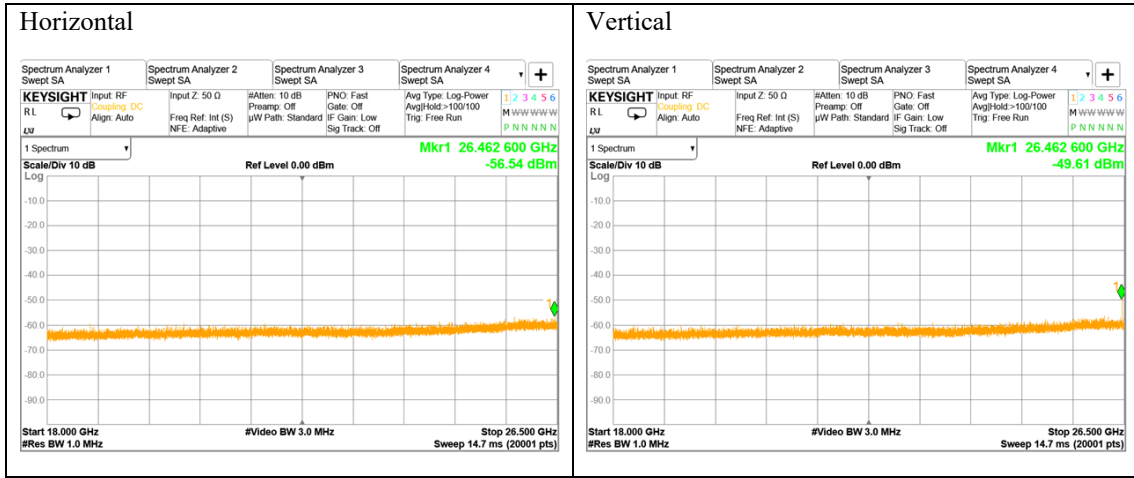


No Emissions detected.

**n261 ANT #0**

18 GHz – 26.5 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	26.463	-65.61	1.0	19.02	-46.59	-13	33.59
V	26.463	-57.28	1.0	19.02	-38.26	-13	25.26

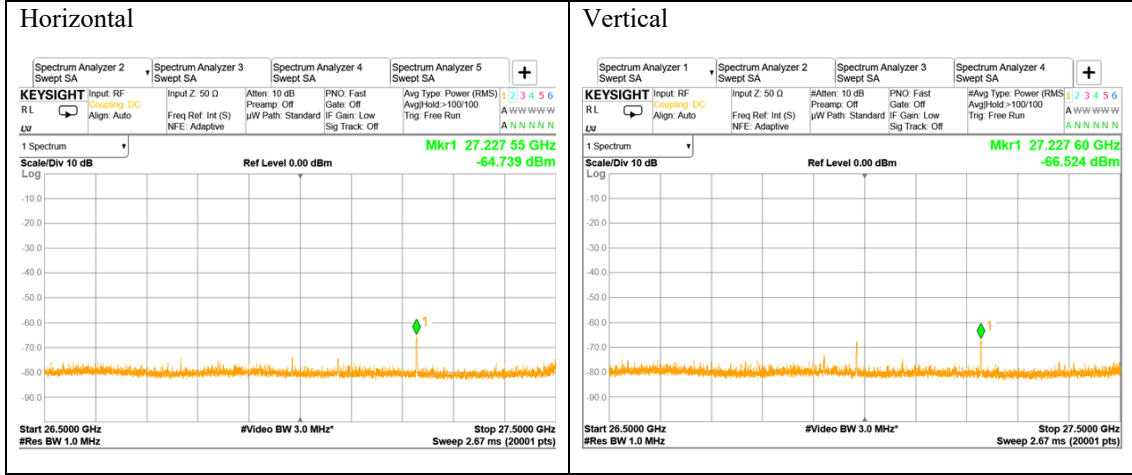
AV: Average Detector.

**n261 ANT #0**

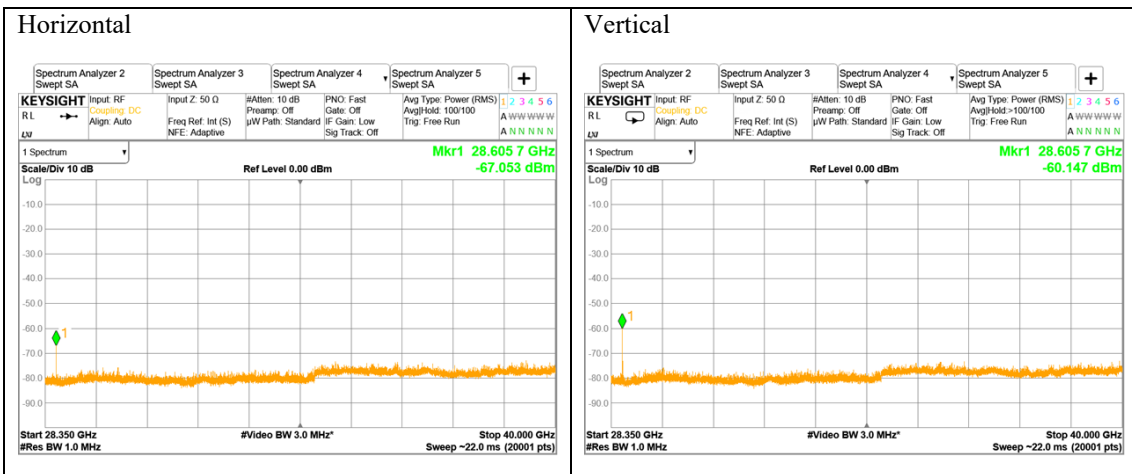
26.5 GHz – 40 GHz (Except for 27.5 GHz – 28.35 GHz)

**Chart**

26.5 GHz – 27.5 GHz



28.35 GHz – 40 GHz



Emissions detected. The measurement results are as shown in the table below.

**Result**

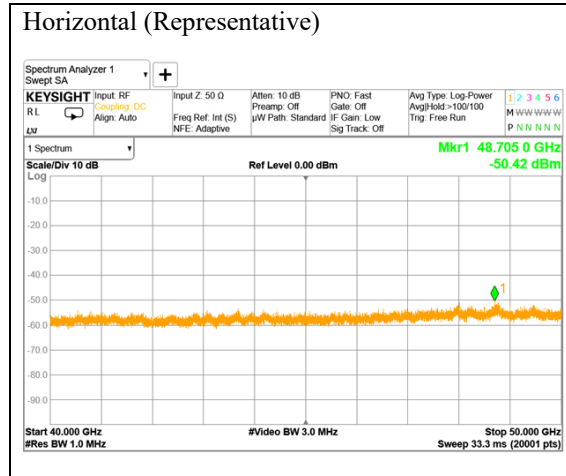
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H/V	27.228	-63.86	1.0	35.66	-28.20	-13	15.20
	28.606	-65.44	1.0	35.36	-30.08	-13	17.08
V	27.228	-64.89	1.0	35.66	-29.23	-13	16.23
	28.606	-58.59	1.0	35.36	-23.23	-13	10.23

AV: Average Detector.

**n261 ANT #0**

40 GHz – 50 GHz

**Chart**

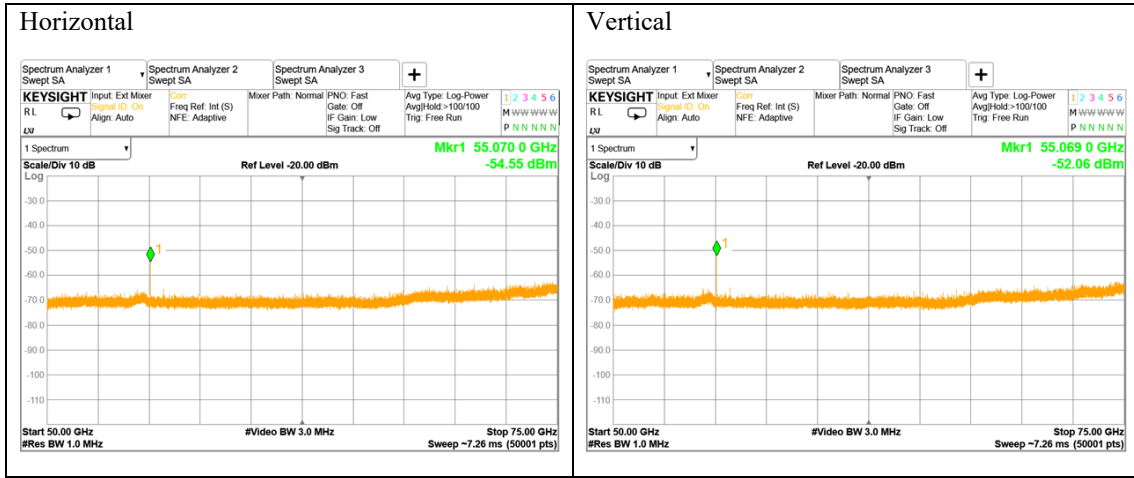


No Emissions detected.

**n261 ANT #0**

50 GHz – 75 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

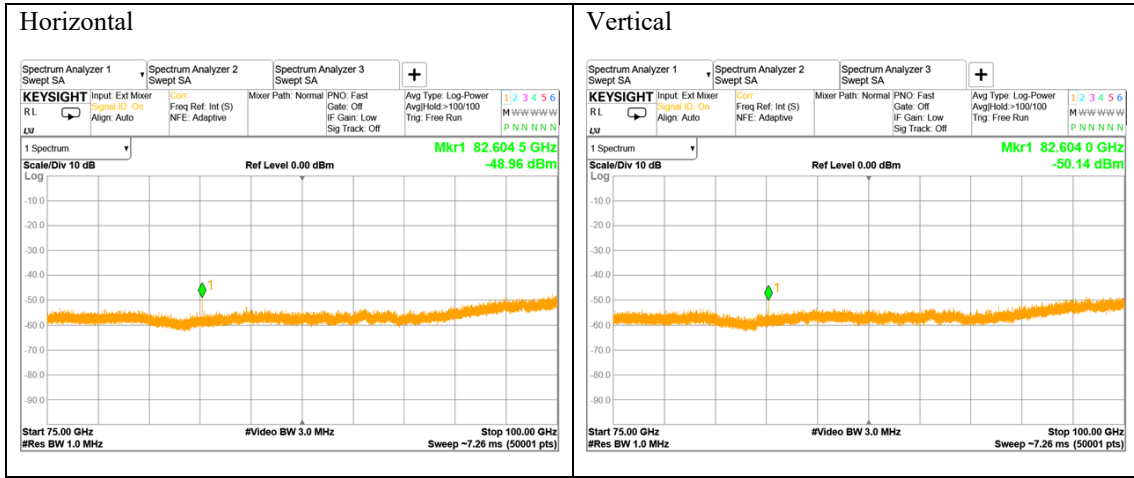
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	55.070	-60.60	2.0	23.50	-37.09	-13	24.09
V	55.070	-57.46	2.0	23.50	-33.96	-13	20.96

AV: Average Detector.

**n261 ANT #0**

75 GHz – 100 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

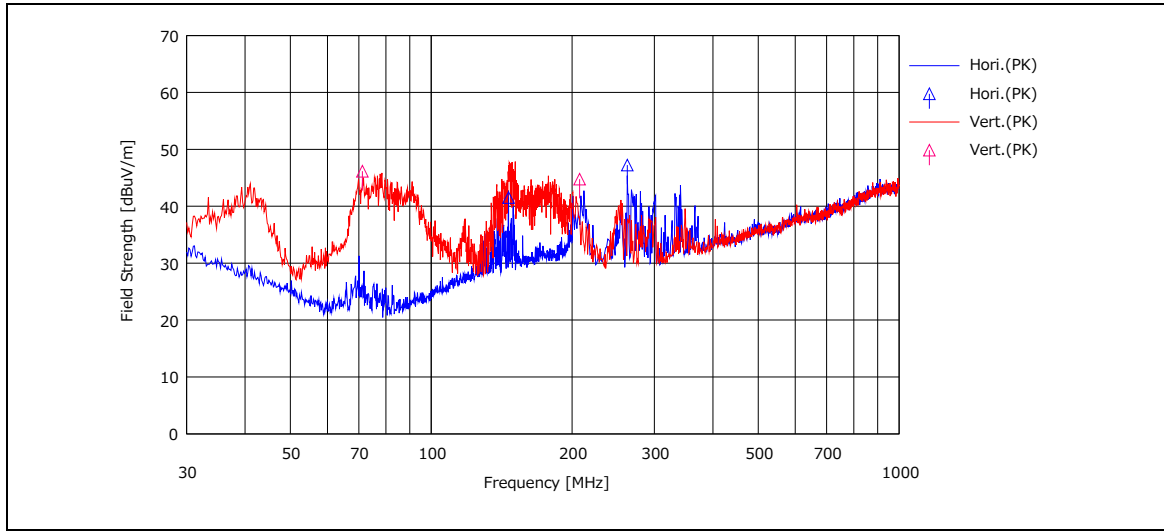
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	82.604	-56.10	1.0	13.80	-42.30	-13	29.30
V	82.604	-55.28	1.0	13.80	-41.48	-13	28.48

AV: Average Detector.

**n261 ANT #1**

**30 MHz – 1000 MHz**

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [MHz]	Reading (PK) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Amp. Gain [dB]	Field Strength <i>E</i> [dBuV/m]	Meas. distance <i>D</i> [m]	Corrected EIRP (PK) [dBm]	Limit EIRP [dBm]	Margin [dB]	Remarks
H	146.285	50.20	14.85	8.70	32.21	41.54	3.0	-53.72	-13	40.72	
	262.491	56.91	12.70	9.75	32.12	47.24	3.0	-48.02	-13	35.02	
V	71.288	64.20	6.40	7.81	32.26	46.15	3.0	-49.11	-13	36.11	
	207.553	55.97	11.68	9.28	32.16	44.77	3.0	-50.49	-13	37.49	

$$E \text{ [dBuV/m]} = \text{Reading [dBuV]} + \text{Ant. Factor [dB/m]} + \text{Loss(Cable + ATT)[dB]} - \text{Amp. Gain[dB]}$$

$$\text{EIRP [dBm]} = E \text{ [dBuV/m]} + 20\text{Log}(D) - 104.8$$

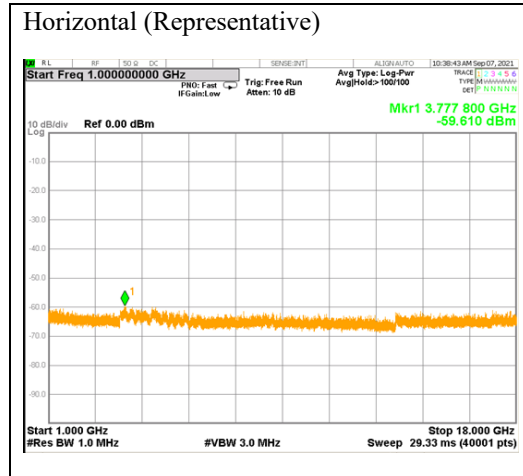
PK: Peak Detector



**n261 ANT #1**

1 GHz – 18 GHz

**Chart**

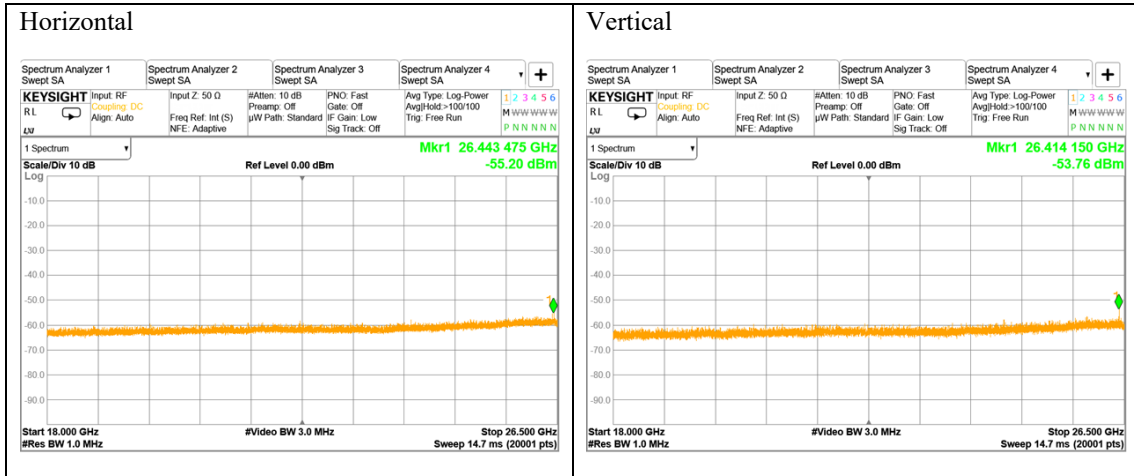


No Emissions detected.

**n261 ANT #1**

18 GHz – 26.5 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	26.443	-62.81	1.0	18.91	-43.90	-13	30.90
V	26.414	-63.54	1.0	18.93	-44.61	-13	31.61

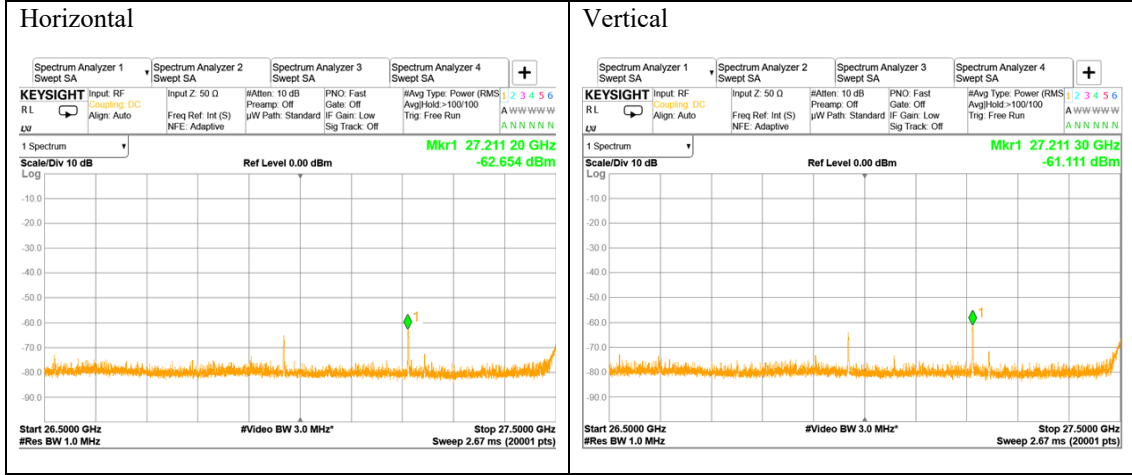
AV: Average Detector.

**n261 ANT #1**

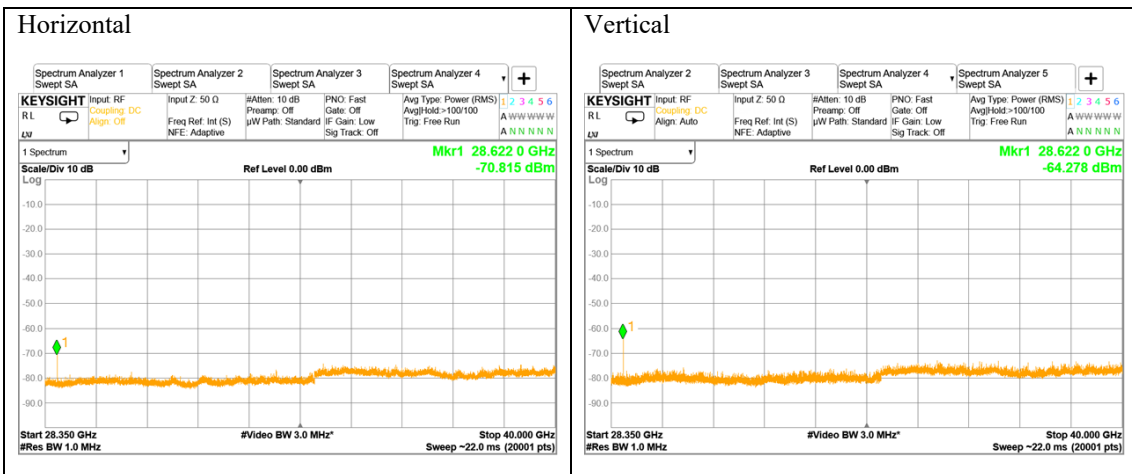
26.5 GHz – 40 GHz (Except for 27.5 GHz – 28.35 GHz)

**Chart**

26.5 GHz – 27.5 GHz



28.35 GHz – 40 GHz



Emissions detected. The measurement results are as shown in the table below.

**Result**

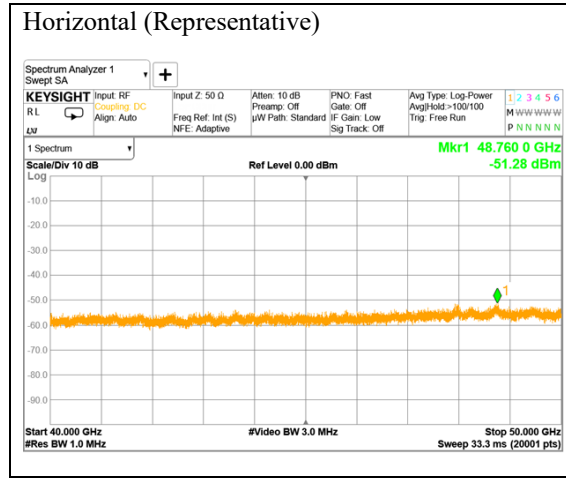
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	27.211	-61.72	1.0	35.66	-26.06	-13	13.06
	28.622	-67.43	1.0	35.36	-32.07	-13	19.07
V	27.211	-60.58	1.0	35.66	-24.92	-13	11.92
	28.622	-63.02	1.0	35.36	-27.66	-13	14.66

AV: Average Detector.

**n261 ANT #1**

**40 GHz – 50 GHz**

**Chart**

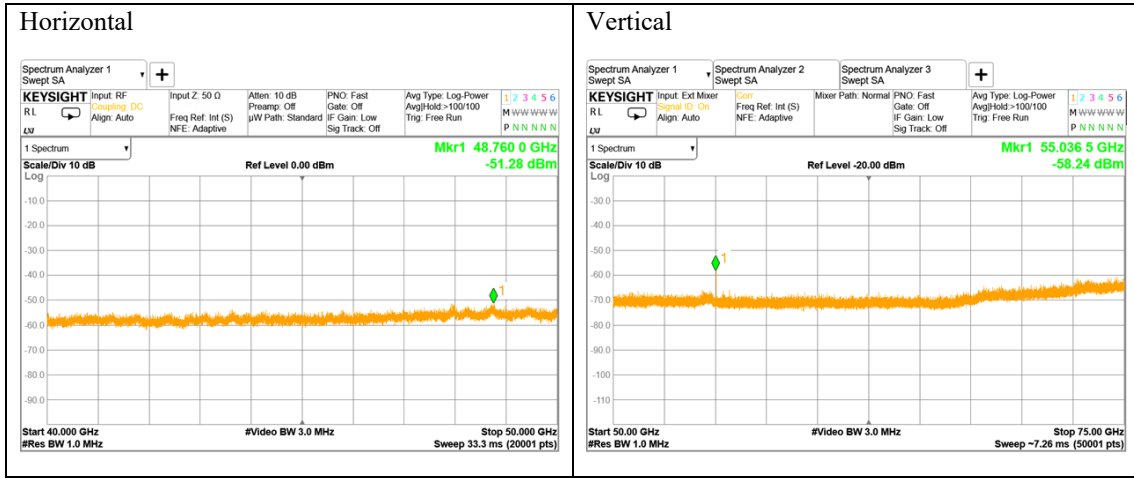


No Emissions detected.

**n261 ANT #1**

50 GHz – 75 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

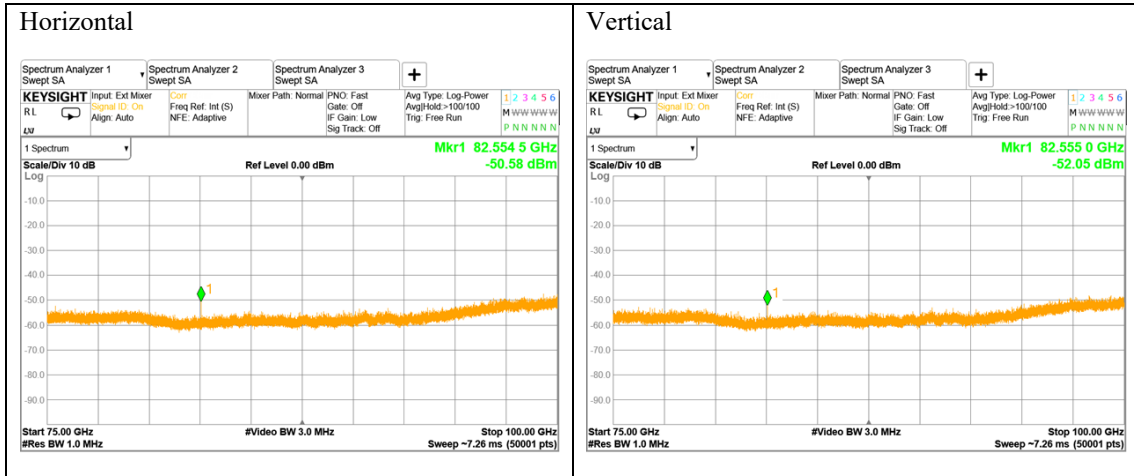
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	55.037	-60.06	2.0	23.49	-36.57	-13	23.57
V	55.037	-62.69	2.0	23.49	-39.20	-13	26.20

AV: Average Detector.

**n261 ANT #1**

75 GHz – 100 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

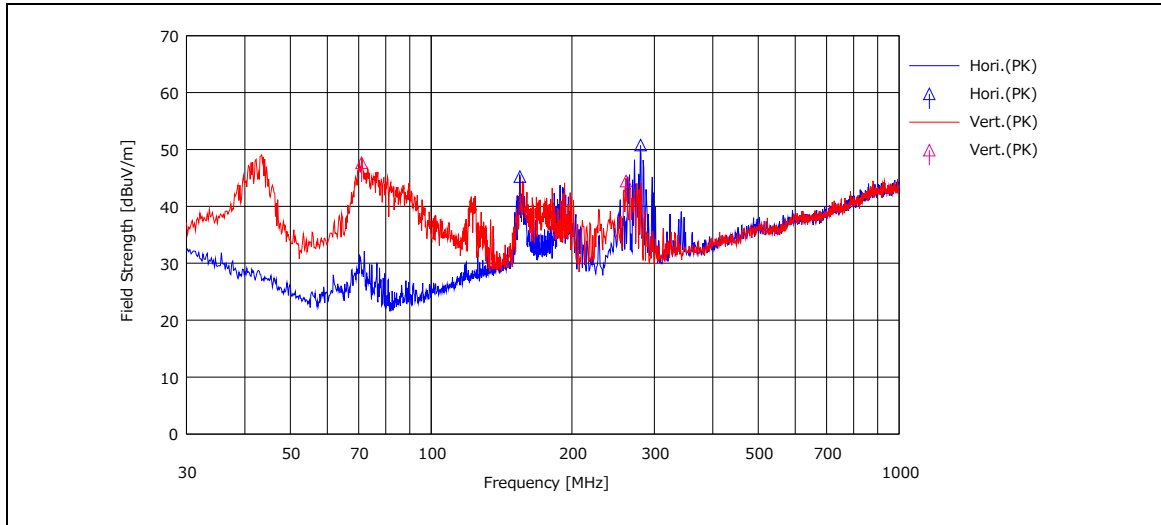
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	82.555	-56.68	1.0	13.78	-42.90	-13	29.90
V	82.555	-56.34	1.0	13.78	-42.56	-13	29.56

AV: Average Detector.

**n261 ANT #2**

30 MHz – 1000 MHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [MHz]	Reading (PK) [dBuV]	Ant. Factor [dB/m]	Loss [dB]	Amp. Gain [dB]	Field Strength <i>E</i> [dBuV/m]	Meas. distance <i>D</i> [m]	Corrected EIRP (PK) [dBm]	Limit EIRP [dBm]	Margin [dB]	Remarks
H	154.796	53.12	15.29	8.79	31.95	45.25	3.0	-50.01	-13	37.01	
	280.215	58.92	13.82	9.90	31.86	50.78	3.0	-44.48	-13	31.48	
V	71.048	65.49	6.40	7.80	32.02	47.67	3.0	-47.59	-13	34.59	
	260.864	54.01	12.57	9.74	31.88	44.44	3.0	-50.82	-13	37.82	

$$E \text{ [dBuV/m]} = \text{Reading [dBuV]} + \text{Ant. Factor [dB/m]} + \text{Loss(Cable + ATT)[dB]} - \text{Amp. Gain[dB]}$$

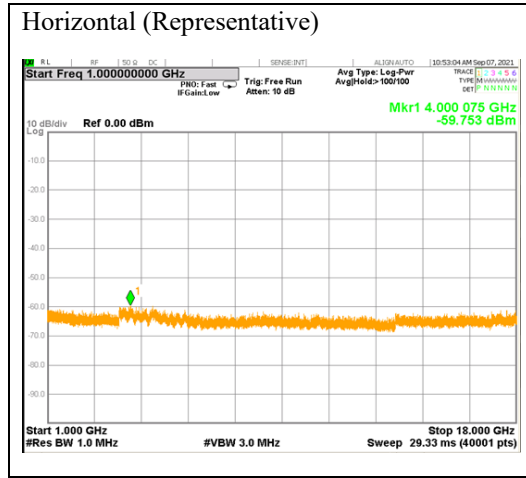
$$\text{EIRP [dBm]} = E \text{ [dBuV/m]} + 20\text{Log}(D) - 104.8$$

PK: Peak Detector

**n261 ANT #2**

1 GHz – 18 GHz

**Chart**



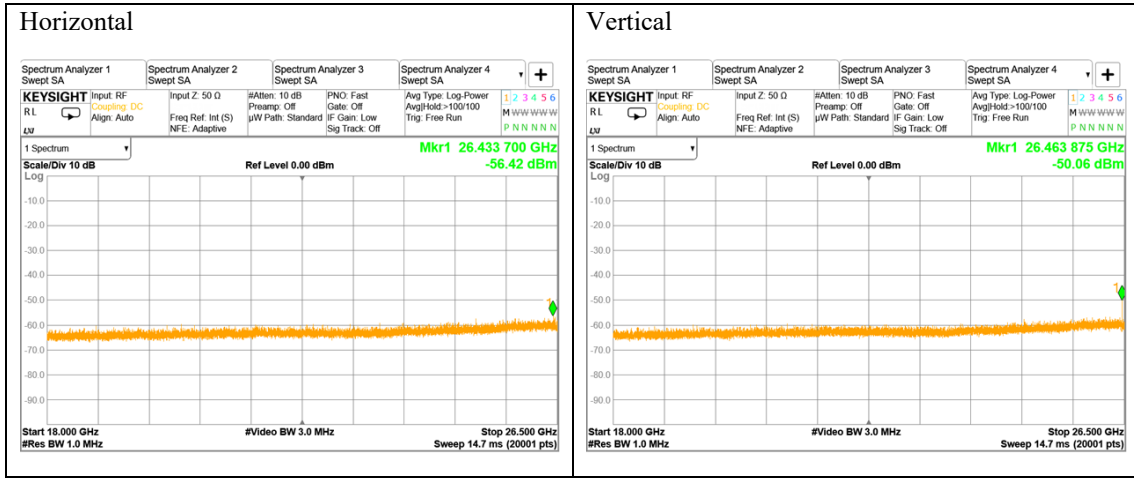
No Emissions detected.



**n261 ANT #2**

18 GHz – 26.5 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	26.434	-65.33	1.0	18.96	-46.37	-13	33.37
V	26.464	-60.08	1.0	19.02	-41.06	-13	28.06

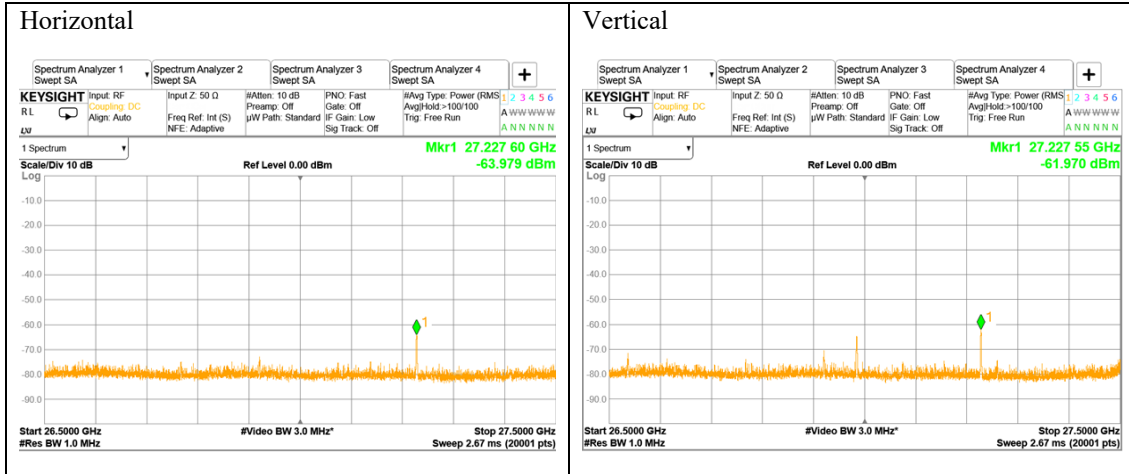
AV: Average Detector.

**n261 ANT #2**

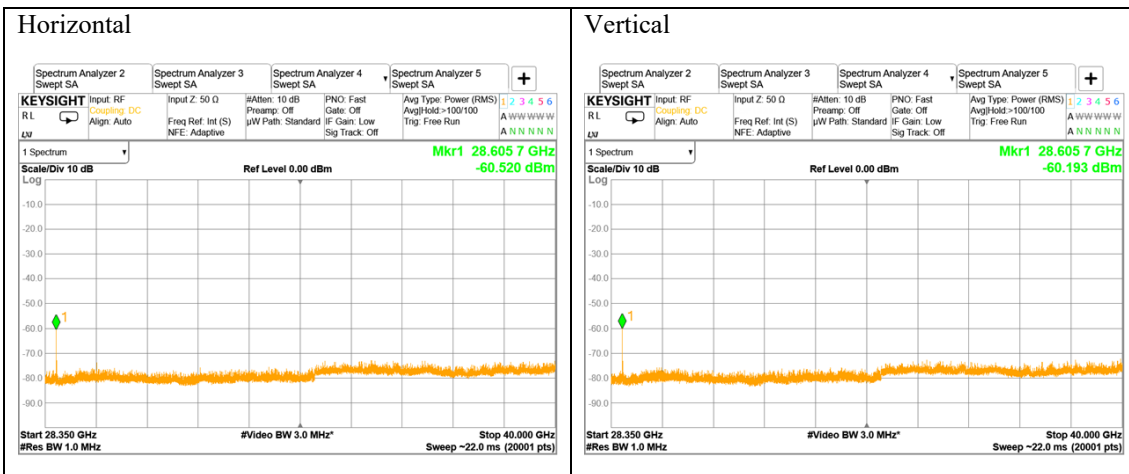
**26.5 GHz – 40 GHz (Except for 27.5 GHz – 28.35 GHz)**

**Chart**

26.5 GHz – 27.5 GHz



28.35 GHz – 40 GHz



Emissions detected. The measurement results are as shown in the table below.

**Result**

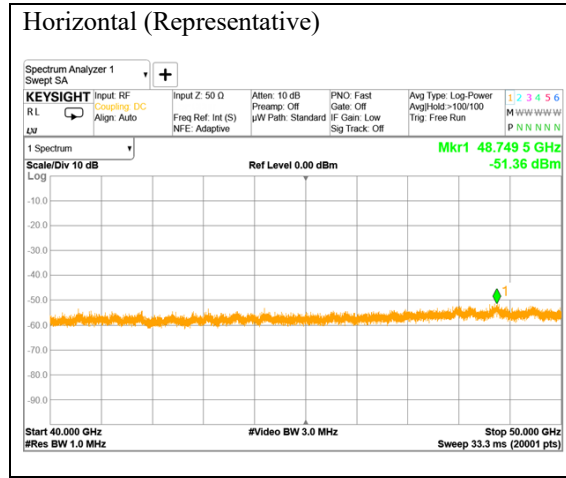
Rx Ant Polarity	Freq. [GHz]	Reading (AV) [dBm]	Meas. distance D [m]	CF [dB]	Corrected EIRP (AV) [dBm]	Limit EIRP [dBm]	Margin [dB]
H	27.228	-62.63	1.0	35.66	-26.97	-13	13.97
	28.606	-64.56	1.0	35.36	-29.20	-13	16.20
V	27.228	-61.31	1.0	35.66	-25.65	-13	12.65
	28.606	-59.71	1.0	35.36	-24.35	-13	11.35

AV: Average Detector.

**n261 ANT #2**

**40 GHz – 50 GHz**

**Chart**

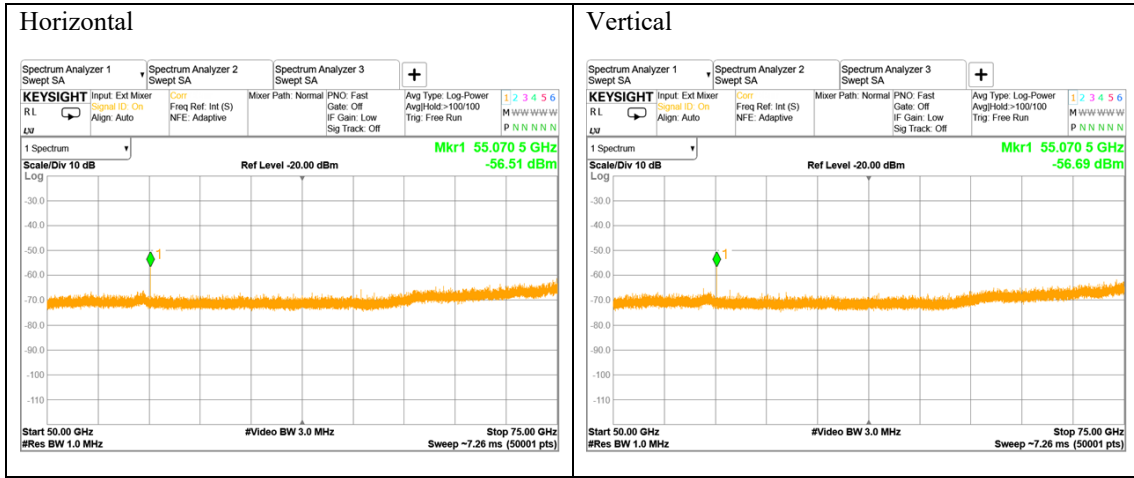


No Emissions detected.

**n261 ANT #2**

50 GHz – 75 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

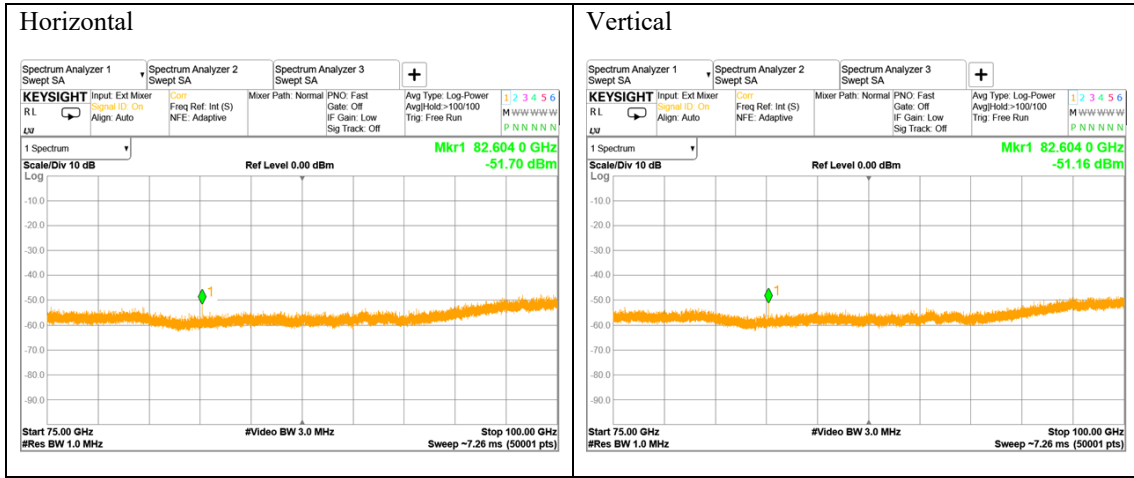
Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	55.070	-60.34	2.0	23.50	-36.84	-13	23.84
V	55.070	-61.04	2.0	23.50	-37.54	-13	24.54

AV: Average Detector.

**n261 ANT #2**

75 GHz – 100 GHz

**Chart**



Emissions detected. The measurement results are as shown in the table below.

**Result**

Rx Ant Polarity	Freq.	Reading (AV)	Meas. distance D	CF	Corrected EIRP (AV)	Limit EIRP	Margin
H/V	[GHz]	[dBm]	[m]	[dB]	[dBm]	[dBm]	[dB]
H	82.604	-54.85	1.0	13.80	-41.05	-13	28.05
V	82.604	-55.98	1.0	13.80	-42.18	-13	29.18

AV: Average Detector.

## A.5 Frequency stability

**Antenna #0, Band n258a, Setting Frequency 24399.96 MHz**

Test Condition		Frequency [MHz]	Delta [Hz]
Temperature [°C]	Voltage [%]		
50	100 % (AC)	24409.854605761	-12014.761
40	100 % (AC)	24409.816789071	25801.929
30	100 % (AC)	24409.837803967	4787.033
20	100 % (AC)	24409.842591000	Reference
10	100 % (AC)	24409.929723356	-87132.356
0	100 % (AC)	24409.976490825	-133899.825
-10	100 % (AC)	24410.048252672	-205661.672
-20	100 % (AC)	24410.049024349	-206433.349
-30	100 % (AC)	24410.064666021	-222075.021
20	100 % (DC)	24409.842861571	-270.571
20	115% (AC)	24409.831844296	10746.704
20	85% (AC)	24409.832395979	10195.021
20	115% (DC)	24409.847155449	-4564.449
20	85% (DC)	24409.852626288	-10035.288
20	End point (DC)	24409.892749562	-50158.562

**Antenna #0, Band n258b, Setting Frequency 24800.04 MHz**

Test Condition		Frequency [MHz]	Delta [Hz]
Temperature [°C]	Voltage [%]		
50	Normal (AC)	24809.932659985	-11870.113
40	Normal (AC)	24809.894118632	26671.240
30	Normal (AC)	24809.935377370	-14587.498
20	Normal (AC)	24809.920789872	Reference
10	Normal (AC)	24810.010988371	-90198.499
0	Normal (AC)	24810.076160906	-155371.034
-10	Normal (AC)	24810.130189088	-209399.216
-20	Normal (AC)	24810.147864430	-227074.558
-30	Normal (AC)	24810.148518351	-227728.479
20	Normal (DC)	24809.928996696	-8206.824
20	115% (AC)	24809.909882995	10906.877
20	85% (AC)	24809.911837108	8952.764
20	115% (DC)	24809.926415994	-5626.122
20	85% (DC)	24809.924164020	-3374.148
20	End point (DC)	24809.934528667	-13738.795

**Antenna #0, Band n260, Setting Frequency 38499.96 MHz**

Test Condition		Frequency	Delta
Temperature [°C]	Voltage [%]	[MHz]	[Hz]
50	Normal (AC)	38504.791941582	-24033.691
40	Normal (AC)	38504.733336463	34571.428
30	Normal (AC)	38504.766555568	1352.323
20	Normal (AC)	38504.767907891	Reference
10	Normal (AC)	38504.911885374	-143977.483
0	Normal (AC)	38504.993182158	-225274.267
-10	Normal (AC)	38505.100549294	-332641.403
-20	Normal (AC)	38505.127040378	-359132.487
-30	Normal (AC)	38505.129994055	-362086.164
20	Normal (DC)	38504.778740094	-10832.203
20	115% (AC)	38504.758210901	9696.990
20	85% (AC)	38504.759523980	8383.911
20	115% (DC)	38504.778328910	-10421.019
20	85% (DC)	38504.784115364	-16207.473
20	End point (DC)	38504.779764655	-11856.764

**Antenna #0, Band n261, Setting Frequency 27924.96 MHz**

Test Condition		Frequency	Delta
Temperature [°C]	Voltage [%]	[MHz]	[Hz]
50	Normal (AC)	27929.840941056	-21630.641
40	Normal (AC)	27929.795890478	23419.937
30	Normal (AC)	27929.818483499	826.916
20	Normal (AC)	27929.819310415	Reference
10	Normal (AC)	27929.921055450	-101745.035
0	Normal (AC)	27929.983561433	-164251.018
-10	Normal (AC)	27930.060238644	-240928.229
-20	Normal (AC)	27930.080800173	-261489.758
-30	Normal (AC)	27930.084538971	-265228.556
20	Normal (DC)	27929.828495165	-9184.750
20	115% (AC)	27929.811995999	7314.416
20	85% (AC)	27929.813124543	6185.872
20	115% (DC)	27929.829216625	-9906.210
20	85% (DC)	27929.828003524	-8693.109
20	End point (DC)	27929.828243777	-8933.362

## A.6 Test engineer and Test condition

Test Item	Date	Test engineer	Test place	Temperature [deg.C]	Humidity [% RH]	
OBW	2021/7/11	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	51	
	2021/7/12	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	53	
	2021/7/13	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	65	
EIRP	2021/7/19	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	64	
	2021/7/20	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	24	66	
	2021/7/21	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	59	
	2021/7/24	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	53	
	2021/7/25	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	48	
	2021/7/26	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	51	
	2021/7/27	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	52	
	2021/7/28	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	24	57	
	2021/7/29	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	60	
	2021/7/30	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	63	
	2021/7/31	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	54	
	2021/8/2	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	50	
	2021/8/3	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	65	
	2021/8/10	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	65	
	2021/8/11	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	65	
	2021/8/14	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	67	
	2021/8/15	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	72	
	2021/8/23	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	68	
	OOB	2021/8/20	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	22	72
		2021/8/23	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	68
2021/8/24		Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	73	
2021/8/25		Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	72	
2021/8/26		Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	73	
2021/8/27		Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	24	75	
2021/9/1		Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	64	
RSE	2021/9/2	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	68	
	2021/9/3	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	71	
	2021/9/4	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	63	
	2021/9/5	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	21	56	
	2021/9/6	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	22	62	
	2021/9/7	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	20	52	
	2021/9/8	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	20	53	
	2021/9/9	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	20	56	
	2021/9/10	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	20	52	
	2021/9/14	Yuichiro Yamazaki	No.1 Semi Anechoic Chamber	21	72	
	2021/9/15	Yuichiro Yamazaki	No.1 Semi Anechoic Chamber	19	49	
	2021/9/16	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	18	65	
	2021/9/17	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	21	58	
	2021/9/21	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	66	
	2021/9/22	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	22	64	
	2021/9/23	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	21	62	
	2021/9/24	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	21	60	
	2021/9/28	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	60	
	2021/9/29	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	57	
	2021/9/30	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	24	65	
	2021/10/3	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	22	52	
	2021/10/5	Yuichiro Yamazaki	No.2 Semi Anechoic Chamber	23	55	
	2021/10/6	Yuichiro Yamazaki	No.4 Semi Anechoic Chamber	22	45	
2021/10/7	Yuichiro Yamazaki	No.3 Semi Anechoic Chamber	23	55		
Frequency	2021/9/6	Junki Nagatomi	No.6 Measurement Room	22	36	
Stability	2021/9/7	Junki Nagatomi	No.6 Measurement Room	22	36	



## Appendix B Test instruments

## B.1 Test instruments

(1/2)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	MAEC-03	142008	AC3 Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	05/22/2020	24
RE	MOS-13	141554	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	1301	01/15/2021	12
RE	MMM-08	141532	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	51201197	01/07/2021	12
RE	MJM-16	142183	Measure	KOMELON	KMC-36	-	-	-
RE	MSA-19	182484	Signal Analyzer	Keysight Technologies Inc	N9030B	MY57143159	06/18/2021	12
RE	MHA-16	141513	Horn Antenna 15-40GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9170	BBHA9170306	06/07/2021	12
RE	MHA-04	141505	Horn Antenna 26.5-40GHz	EMCO	3160-10	1140	09/03/2021	12
RE	MPA-03	141577	Microwave System Power Amplifier	Keysight Technologies Inc	83050A	MY39500610	10/28/2021	12
RE	MCC-55	141326	Microwave Cable	Suhner	SUCOFLEX101	2874(1m) / 2877(5m)	03/02/2021	12
RE	MHA-02	141503	Horn Antenna 18-26.5GHz	EMCO	3160-09	1265	06/28/2021	12
RE	MAEC-02	142004	AC2_Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-06902	05/26/2020	24
RE	MOS-41	192300	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	0013	12/06/2020	12
RE	MMM-01	141542	Digital Tester	Fluke Corporation	FLUKE 26-3	78030611	08/10/2021	12
RE	MJM-27	142228	Measure	KOMELON	KMC-36	-	-	-
RE	MHA-31	142041	Horn Antenna	Oshima Prototype Engineering Co.	A16-187	1	09/30/2021	12
RE	MPA-25	159919	Power Amplifier	SAGE Millimeter, Inc.	SBP-4035033018-2F2F-S1	12559-01	06/02/2021	12
RE	MCC-220	151897	Microwave Cable	Huber+Suhner	SF101EA/11PC24/11PC24/2.5M	SN MY1726/1EA	04/12/2021	12
RE	MHA-33	180634	Horn Antenna	SAGE Millimeter, Inc.	SAZ-2410-15-S1	17343-01	06/24/2021	12
RE	MPA-23	142055	Power Amplifier	SAGE Millimeter, Inc.	SBP-5037532015-1515-N1	11599-01	03/05/2021	12
RE	MMX-07	186076	Wave guide Harmonic Mixer	Keysight Technologies Inc	M1971V	MY56390208	05/18/2021	12
RE	MSA-04	141885	Spectrum Analyzer	Keysight Technologies Inc	E4448A	US44300523	11/09/2020	12
RE	MCC-54	141325	Microwave Cable	Suhner	SUCOFLEX101	2873(1m) / 2876(5m)	03/02/2021	12
RE	MOS-14	141561	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	1401	01/15/2021	12
RE	MMM-12	141547	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	60500120	02/01/2021	12
RE	MCH-04	141429	Temperature and Humidity Chamber	Espec	PL-2KP	14015723	08/05/2021	12
RE	MAEC-02-SVSWR	142006	AC2_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-06902	04/09/2021	24
RE	MHA-06	141512	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	254	10/21/2021	12
RE	MCC-218	141394	Microwave Cable	Junkosha	MWX221	1607S141(1 m) / 1608S264(5 m)	09/30/2021	12
RE	MPA-10	141579	Pre Amplifier	Keysight Technologies Inc	8449B	3008A02142	02/18/2021	12
RE	COTS-MEMI-02	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
RE	MHA-35	180544	Horn Antenna	SAGE Millimeter, Inc.	SAZ-2410-10-S1	17343-01	06/24/2021	12
RE	MPA-31	180607	Power Amplifier	SAGE Millimeter, Inc.	SBP-7531142515-1010-E1	17343-01	10/18/2021	12
RE	MMX-08	186077	Wave guide Harmonic Mixer	Keysight Technologies Inc	M1971W	MY56390146	05/18/2021	12
RE	MHA-27	142039	Horn Antenna	Custom Microwave Inc.	HO4R	-	09/30/2021	12

(2/2)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	MMX-10	186080	Extension Module	Virginia Diodes, Inc.	SAX	SAX371	09/07/2021	12
RE	MHA-24	142036	Horn Antenna	Custom Microwave Inc.	HO6R	-	09/30/2021	12
RE	MMX-09	186079	Extension Module	Virginia Diodes, Inc.	SAX	SAX370	09/10/2021	12
RE	MOS-27	141566	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	A08Q26	01/15/2021	12
RE	MMM-03	141530	Digital Tester	Fluke Corporation	FLUKE 26-3	78030621	08/10/2021	12
RE	MJM-25	142226	Measure	KOMELON	KMC-36	-	-	-
RE	MAEC-01-SVSWR	141994	AC1_Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 10m	DA-06881	04/05/2021	24
RE	MCC-217	141393	Microwave Cable	Junkosha	MWX221	1604S254(1m) / 1608S088(5m)	08/04/2021	12
RE	MPA-01	141576	Pre Amplifier	Keysight Technologies Inc	8449B	3008A01671	02/18/2021	12
RE	MAT-95	142314	Attenuator	Pasternack Enterprises	PE7390-6	D/C 1504	06/09/2021	12
RE	MBA-03	141424	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103+BBA9106	1915	08/21/2021	12
RE	MCC-51	141323	Coaxial cable	UL Japan	-	-	07/19/2021	12
RE	MLA-22	141266	Logperiodic Antenna(200-1000MHz)	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	9111B-191	08/21/2021	12
RE	MPA-13	141582	Pre Amplifier	SONOMA INSTRUMENT	310	260834	02/18/2021	12
RE	MSA-14	141901	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY48250080	12/18/2020	12
RE	MRENT-130	141855	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46187750	11/18/2020	12
RE	MPA-14	141583	Pre Amplifier	SONOMA INSTRUMENT	310	260833	02/18/2021	12
RE	MAT-07	141203	Attenuator(6dB)	Weinschel Corp	2	BK7970	11/13/2020	12
RE	MLPA-01	141254	Loop Antenna	Rohde & Schwarz	HFH2-Z2	100017	04/17/2021	12
RE	MCC-255	207745	Coaxial Cable	UL Japan Inc.	-	-	05/17/2021	12
RE	MCC-13	141222	Coaxial Cable	Fujikura,HP,Mini-Circuits,Fujikura	3D-2W(12m)/5D-2W(5m)/5D-2W(0.8m)/5D-2W(1m)	-	02/18/2021	12
RE	MCC-112	141216	Coaxial cable	Fujikura/Suhner/TSJ	5D-2W/SFM14/sucoform141-PE/421-010/RFM-E321(SW)	-/00640	07/19/2021	12
RE	MAEC-04	142011	AC4 Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	05/25/2020	24
RE	MOS-15	141562	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	0010	01/15/2021	12
RE	MMM-10	141545	DIGITAL HiTESTER	HIOKI E.E. CORPORATION	3805	51201148	01/07/2021	12
RE	MJM-29	142230	Measure	KOMELON	KMC-36	-	-	-
RE	MAEC-04-SVSWR	142017	AC4 Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-10005	04/12/2021	24
RE	MAEC-03-SVSWR	142013	AC3 Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-10005	04/01/2021	24

\*Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.

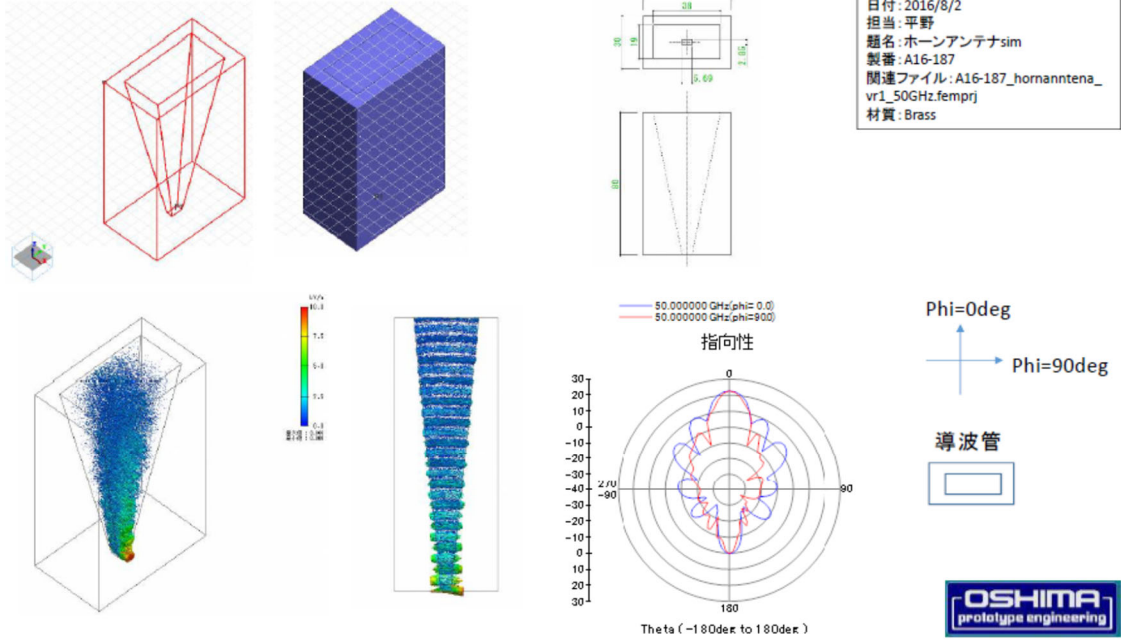
The expiration date of the calibration is the end of the expired month.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

Test item: RE: Radiated Emission test

## B.2 Calibration data MHA-31



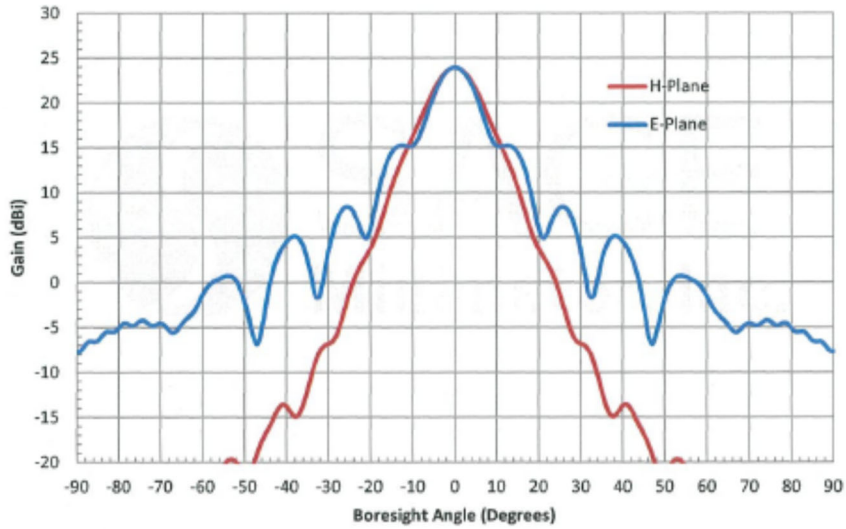
MHA-33

## SAZ-2410-15-S1

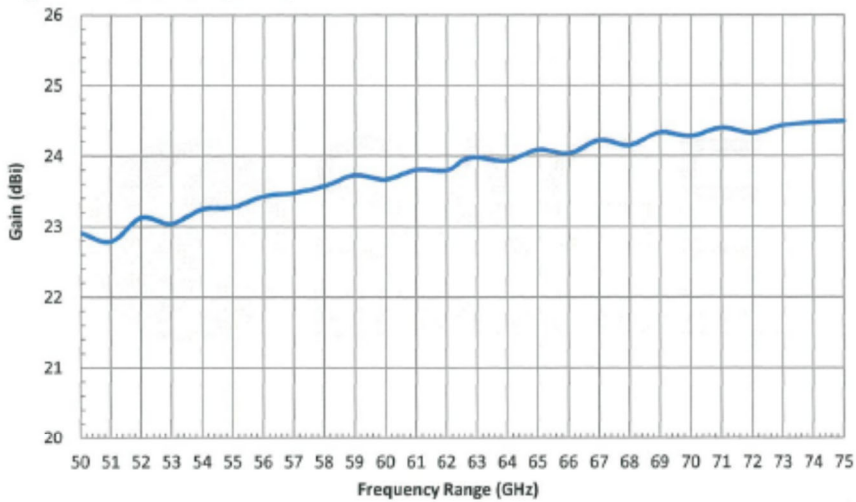
Rev. 1.1

### WR-15 Standard Gain Horn Antenna, 24 dBi Gain

#### Typical Antenna Patterns @ 62.5 GHz



#### Typical Gain vs. Frequency



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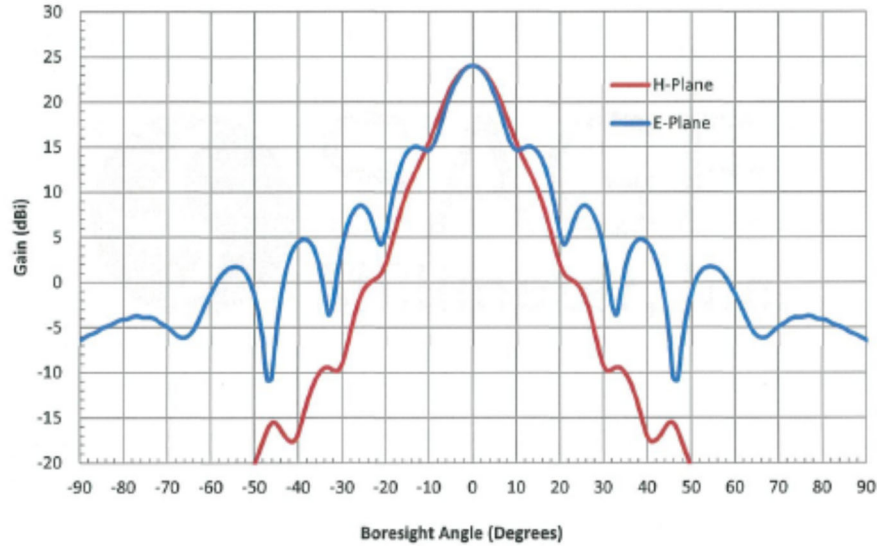
MHA-35

## SAZ-2410-10-S1

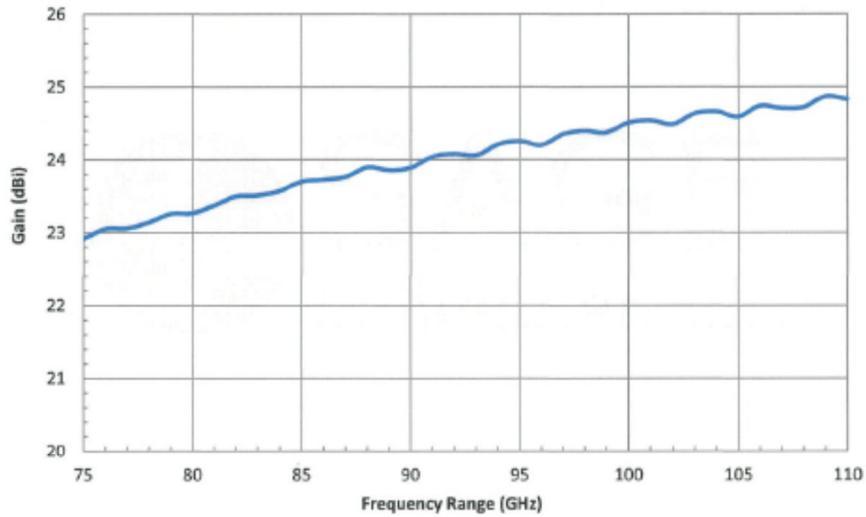
Rev. 1.0

### WR-10 Standard Gain Horn Antenna, 24 dBi Gain

#### Typical Antenna Patterns @ 92 GHz



#### Typical Gain vs. Frequency



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