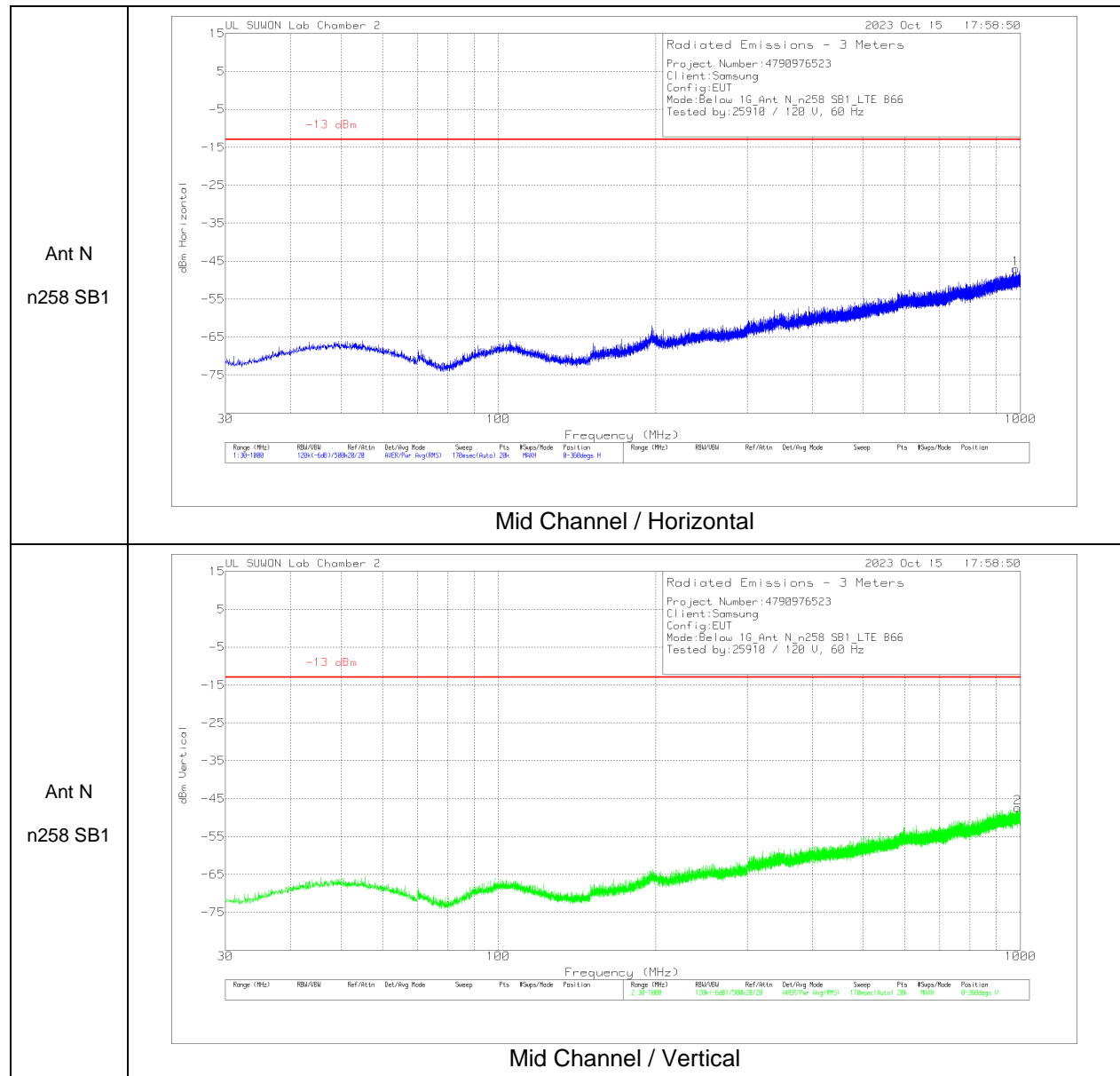


Antenna 2 / Ant N / n258 SB1

30 – 1000 MHz Result



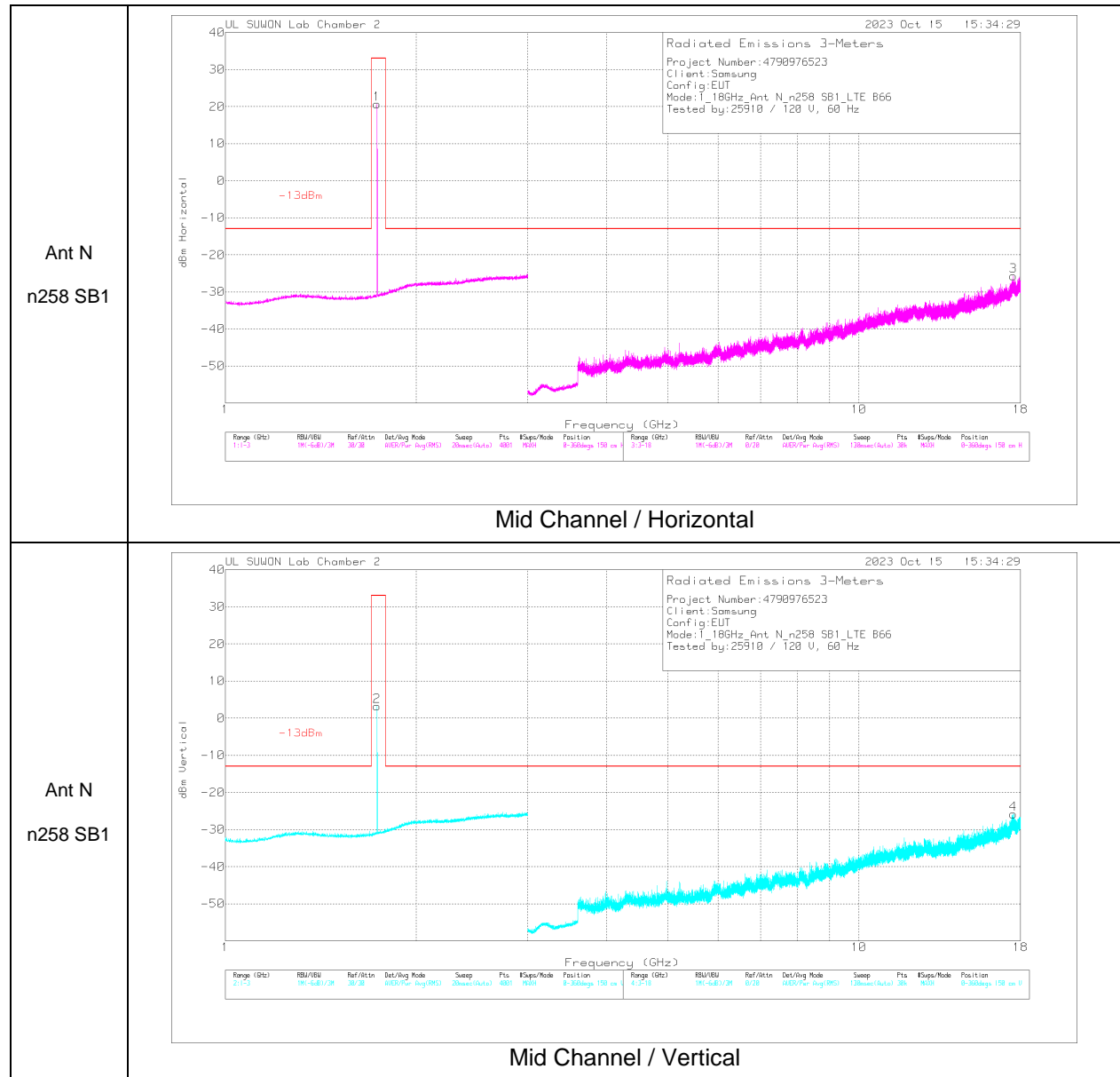
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	VULB9163_749	Below_1G(dB)	Conversion Factor(dB)	Corrected Reading (dBm)	-13 dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	980.0273	-59.76	RMS	27.6	-26.7	11.8	-47.06	-13	-34.06	0-360	200	H
2	987.7385	-60.16	RMS	27.7	-26.7	11.8	-47.36	-13	-34.36	0-360	300	V

RMS - RMS detection

No emissions were detected above noise floor this antenna and band.

1 – 18 GHz Result



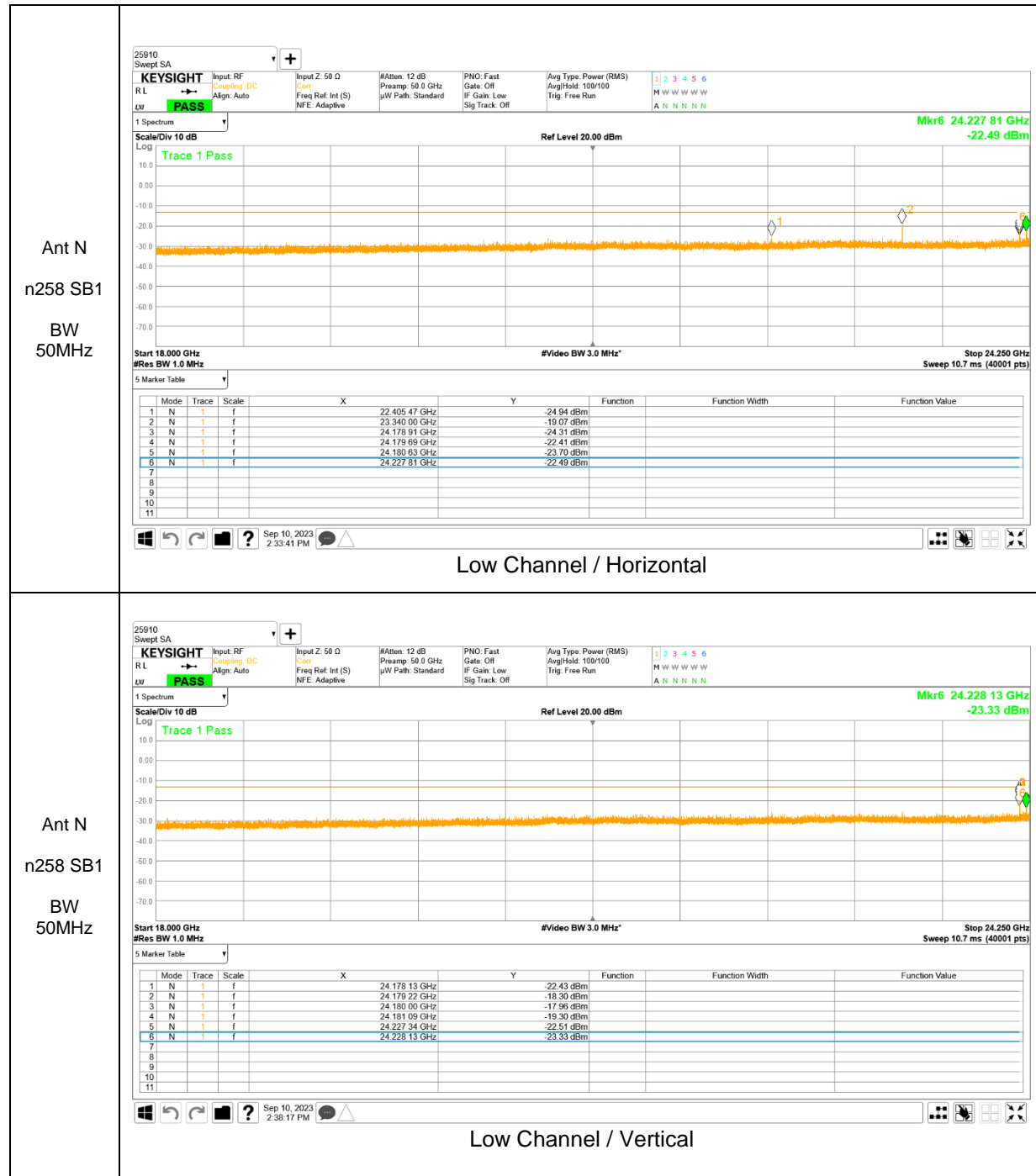
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT(dB)	Conversion Factor(dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.736	-45	RMS	28.9	-20.5	11.8	20.65	33	-12.35	0-360	150	H
2	1.736	-17.02	RMS	28.9	-20.5	11.8	3.18	33	-29.82	0-360	150	V
3	17.55151	-62.78	RMS	41.6	-16.3	11.8	-25.68	-13	-12.68	0-360	150	H
4	17.55151	-63	RMS	41.6	-16.3	11.8	-25.9	-13	-12.9	0-360	150	V

RMS - RMS detection

** Marker 1 and 2 were the fundamental signal of LTE Band 66 that was used as a representative anchor band for EN-DC investigations.
 No emissions were detected above the noise floor which was at least 20dB below the specification limit.

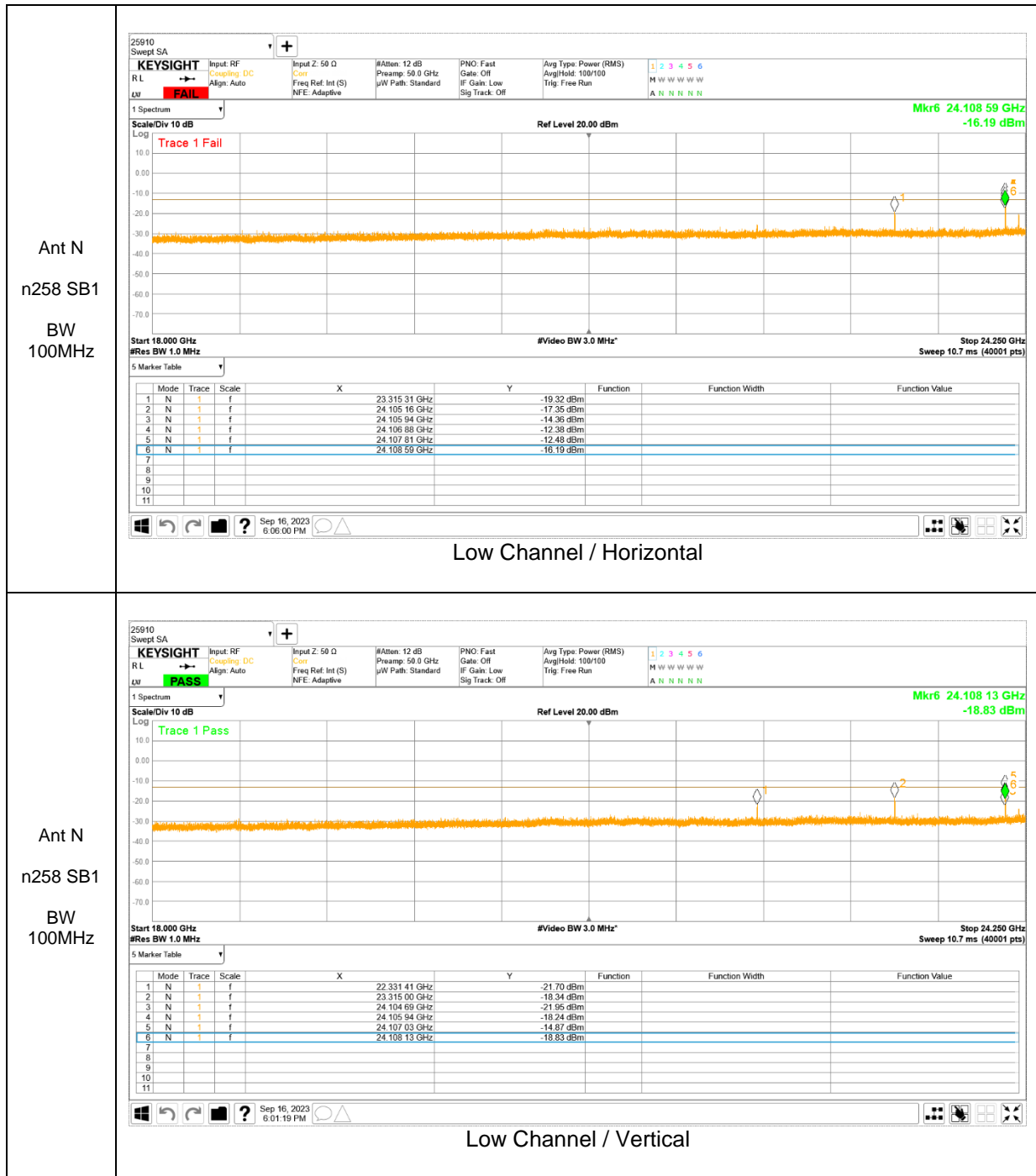
18 – 24.25 GHz



Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
24.18	100	SISO-Dual	QPSK	V	163.33	124.5	-23.49	-13	10.49
23.34	100	SISO-Dual	QPSK	H	182.54	169.3	-19.01	-13	6.01

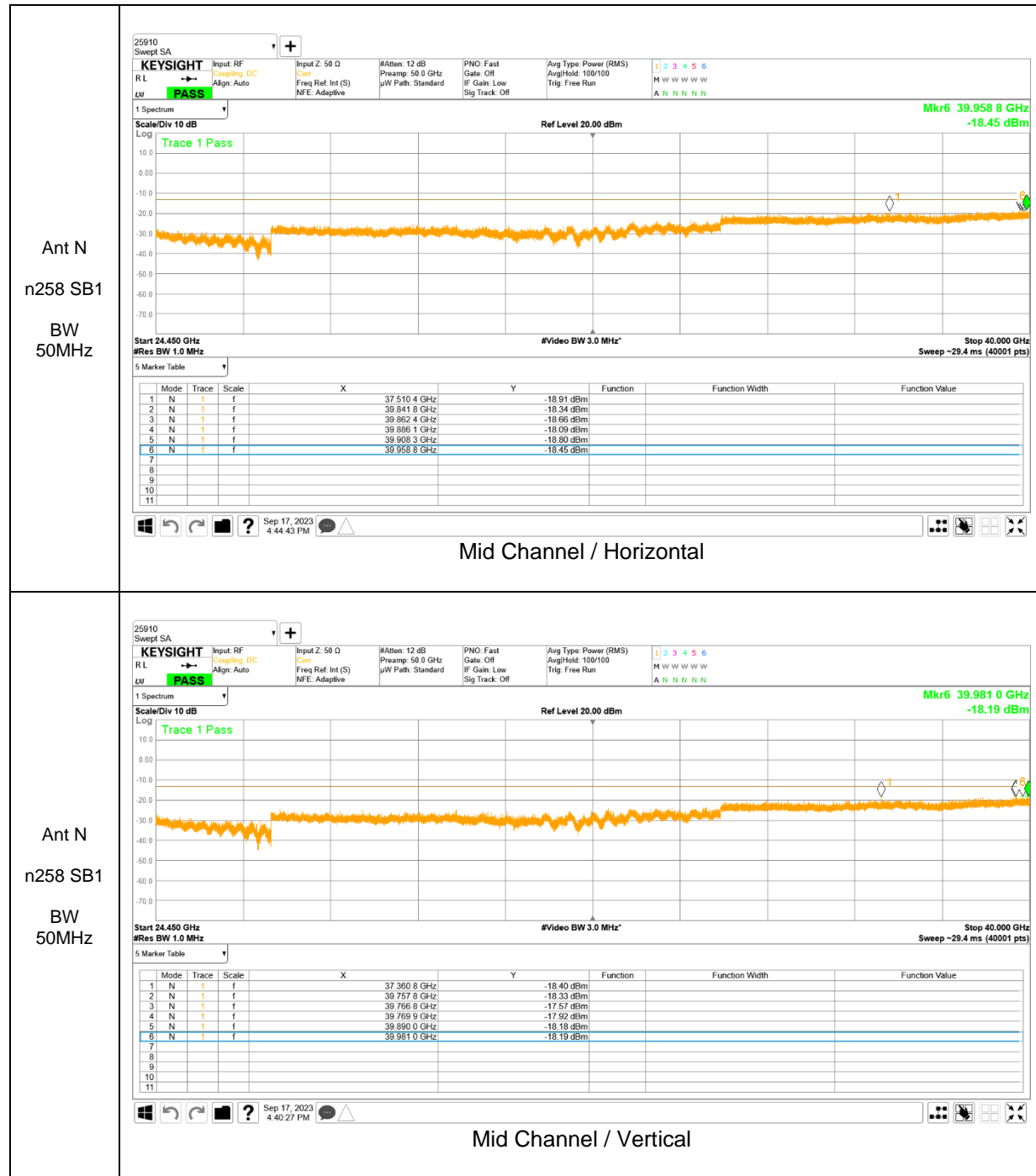


Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

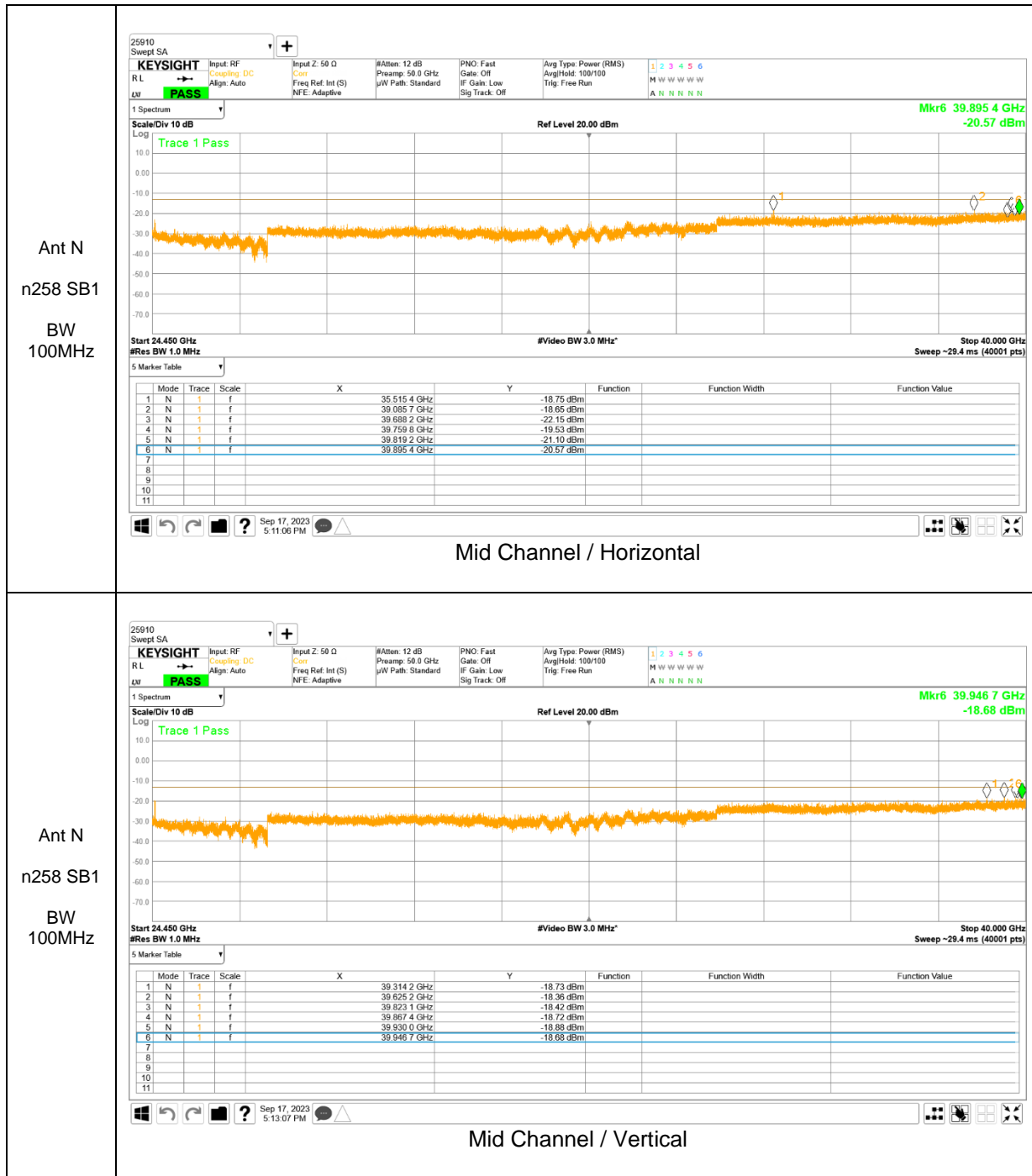
Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
22.33	100	SISO-Dual	QPSK	V	160.3	176.0	-28.49	-13	15.49
23.32	100	SISO-Dual	QPSK	V	195.32	177.0	-24.56	-13	11.56
23.32	100	SISO-Dual	QPSK	H	184.95	147.4	-19.84	-13	6.84
24.11	100	SISO-Dual	QPSK	V	170.43	130.6	-16.20	-13	3.20
24.11	100	SISO-Dual	QPSK	H	182.01	164.2	-19.91	-13	6.91
24.20	100	SISO-Dual	QPSK	V	165.29	148.9	-21.88	-13	8.88

24.45 – 40 GHz Result



No emissions were detected above noise floor this antenna and band.

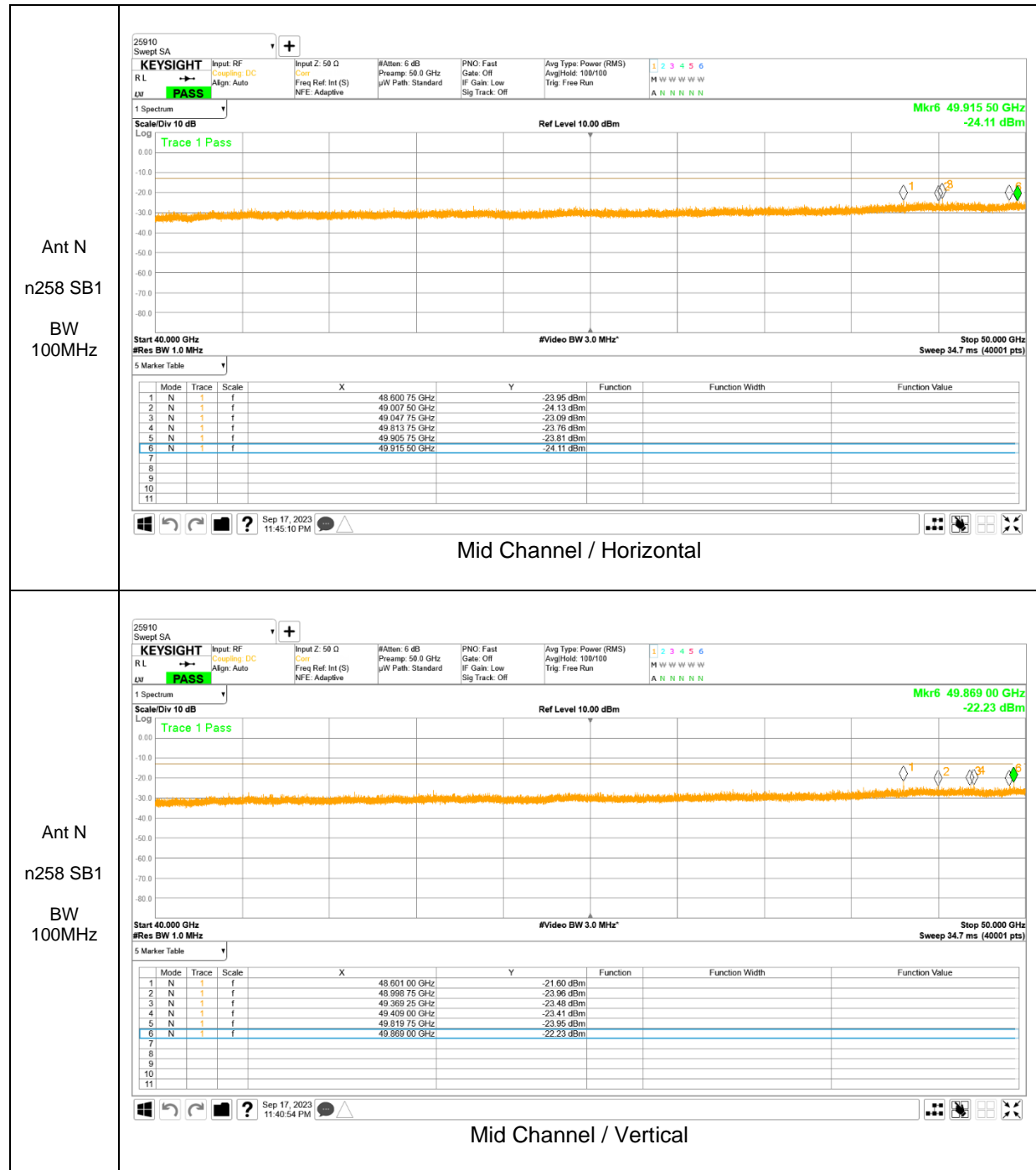


No emissions were detected above noise floor this antenna and band.

40 – 50 GHz Result

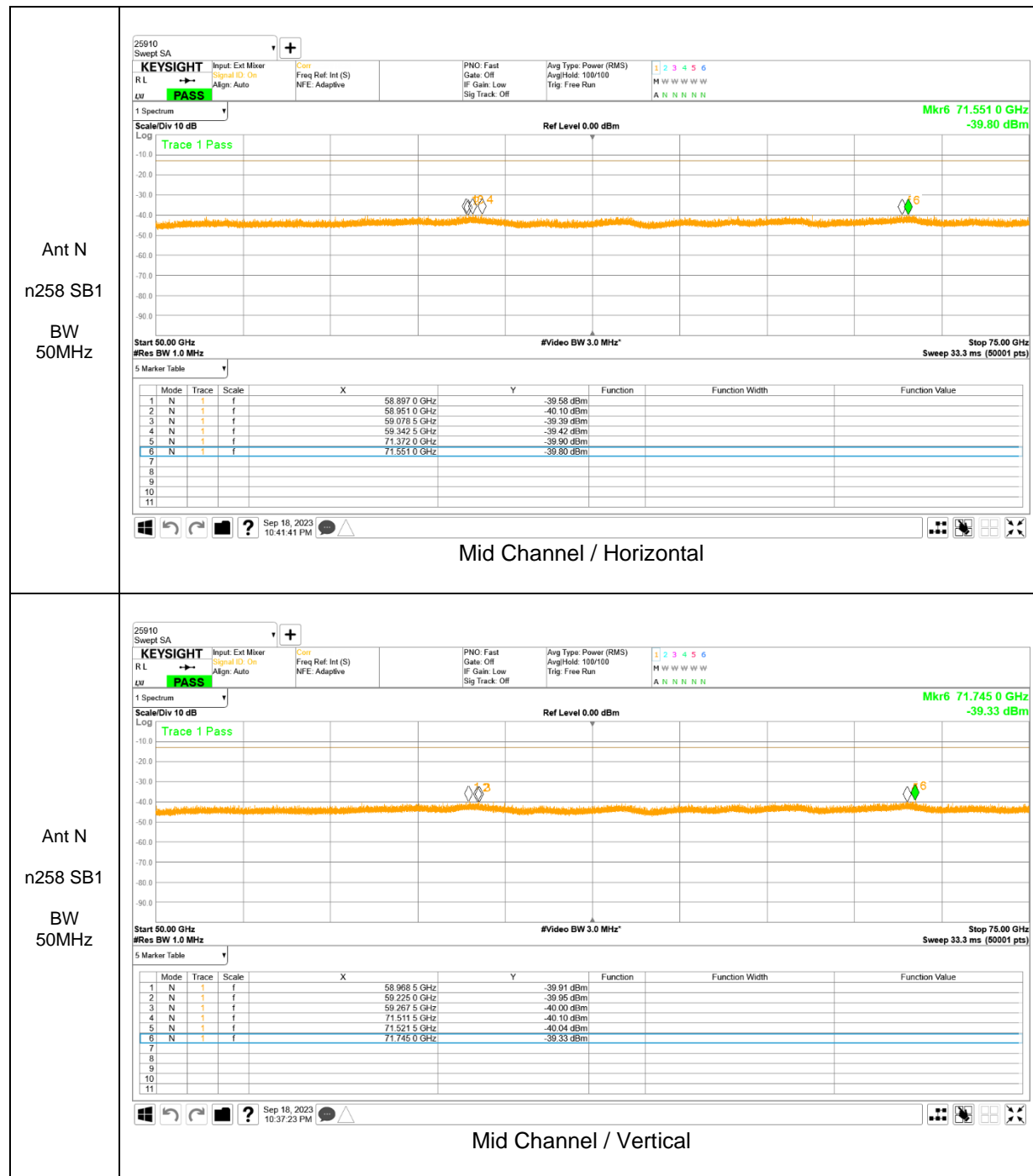


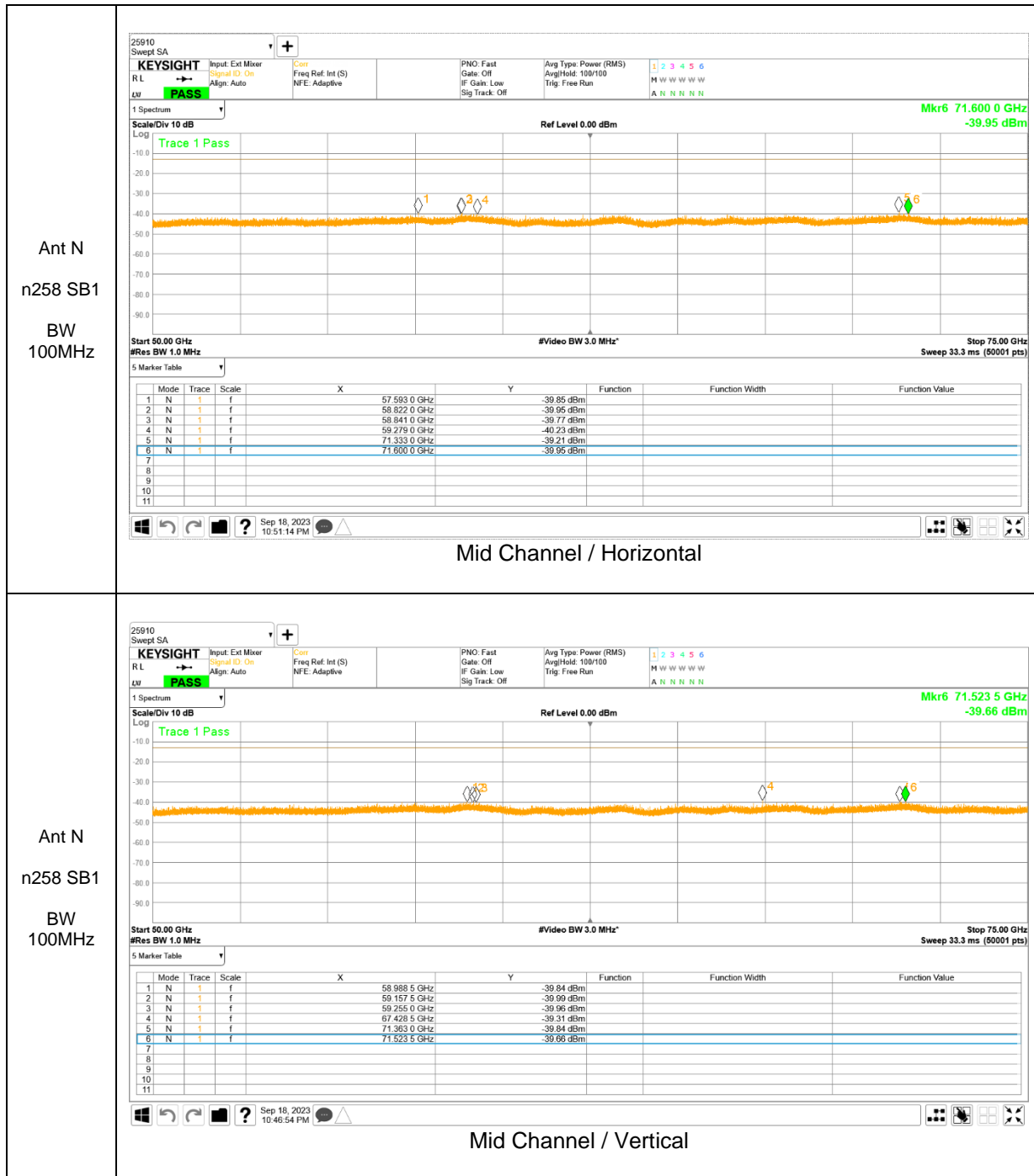
No emissions were detected above noise floor this antenna and band.



No emissions were detected above noise floor this antenna and band.

50 – 75 GHz Result

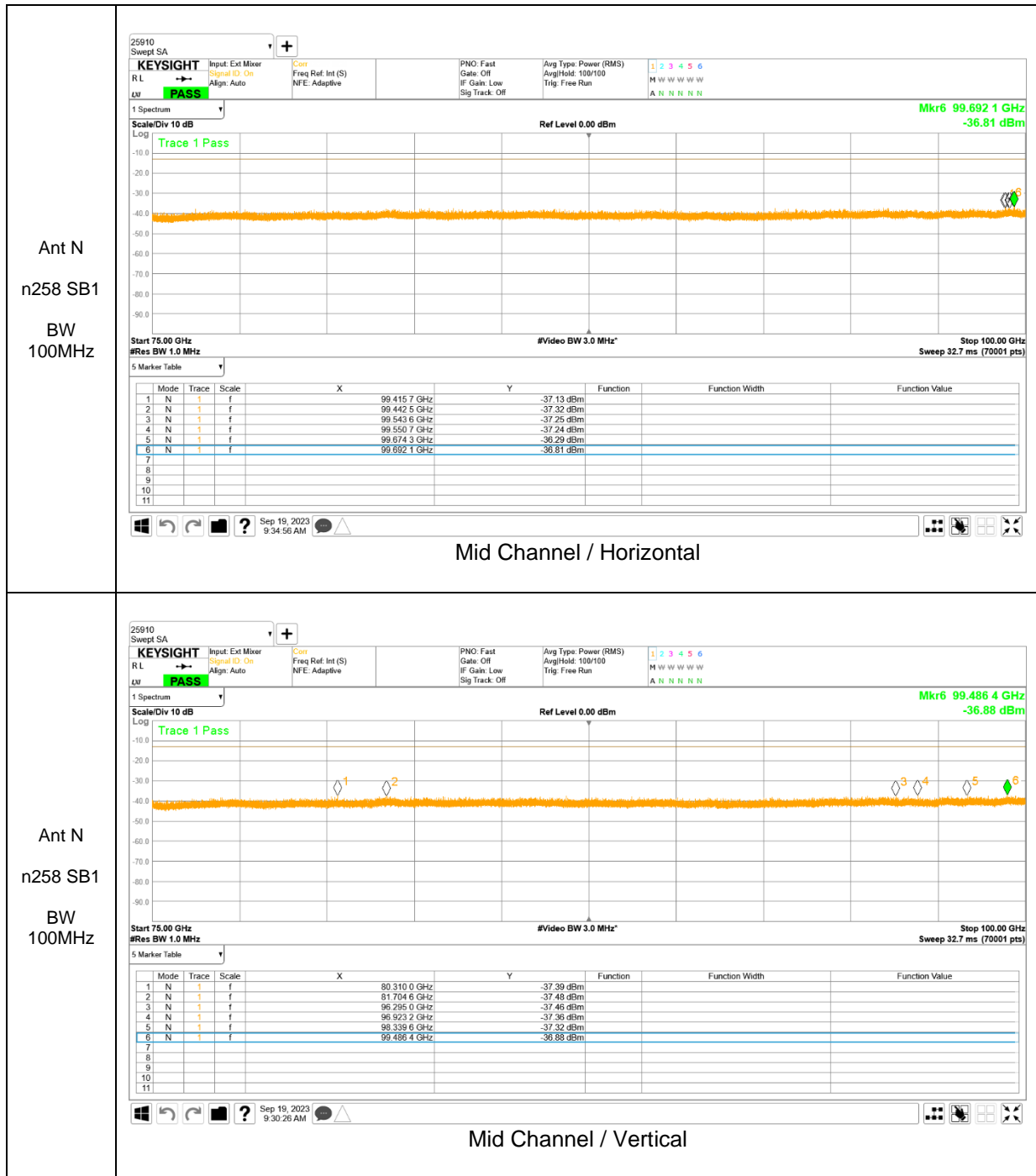




No emissions were detected above noise floor this antenna and band.

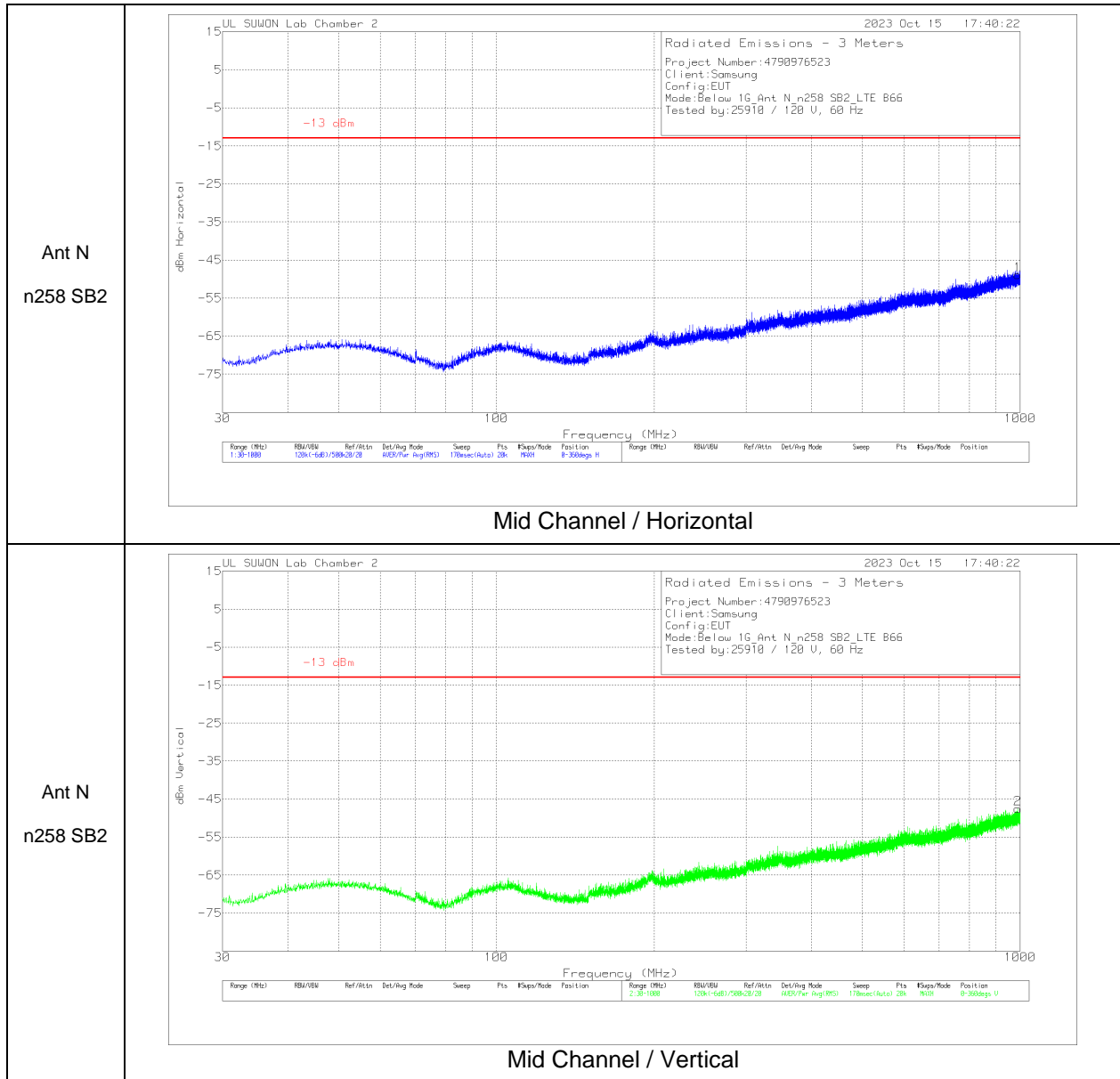
75 – 100 GHz Result





Antenna 2 / Ant N / n258 SB2

30 – 1000 MHz Result



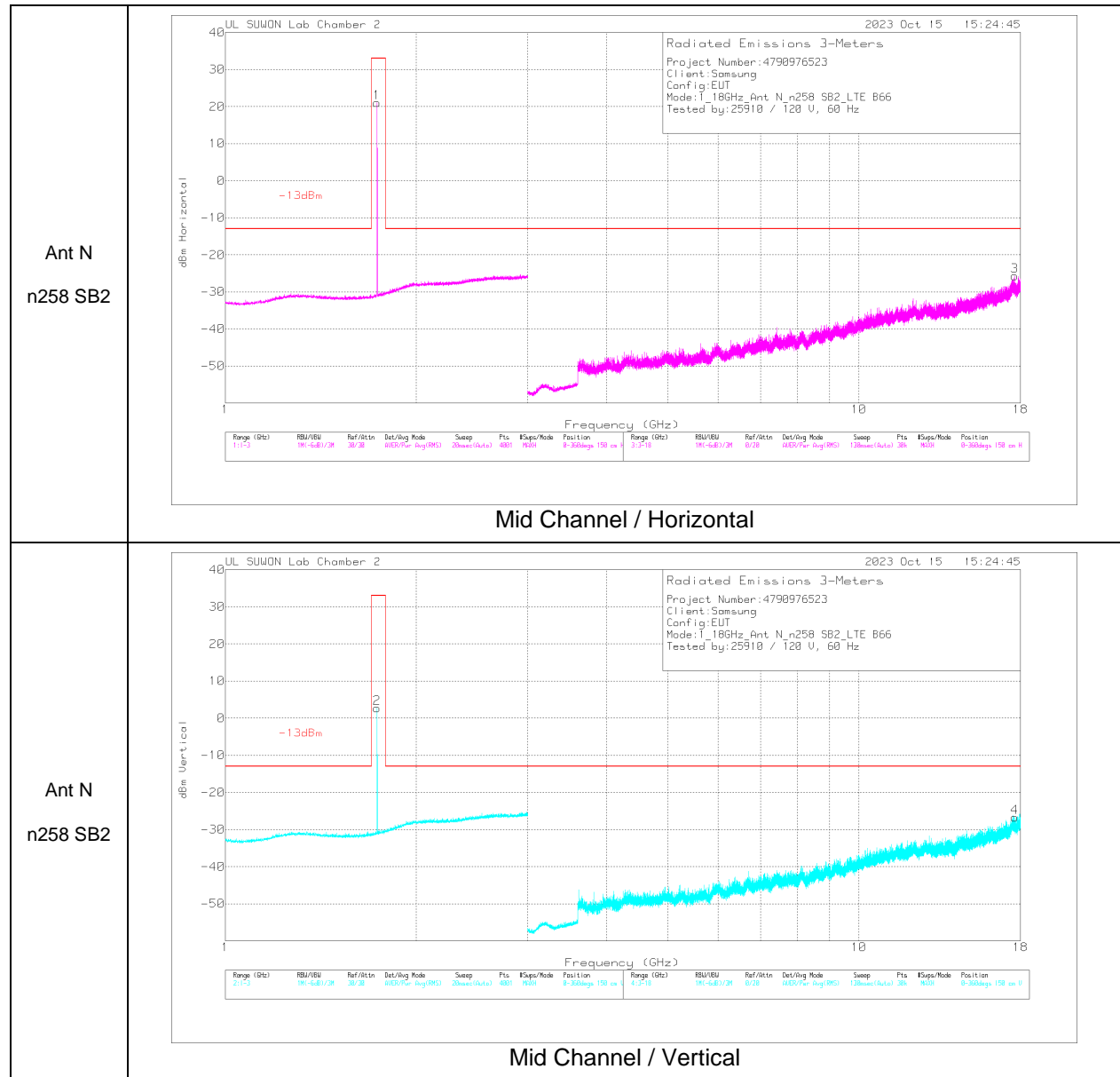
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	VULB9163_749	Below_1G(dB)	Conversion Factor(dB)	Corrected Reading dBm	-13 dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	990.4544	-61.8	RMS	27.7	-26.6	11.8	-48.9	-13	-35.9	0-360	100	H
2	990.1634	-60.38	RMS	27.7	-26.6	11.8	-47.48	-13	-34.48	0-360	100	V

RMS - RMS detection

No emissions were detected above noise floor this antenna and band.

1 – 18 GHz Result



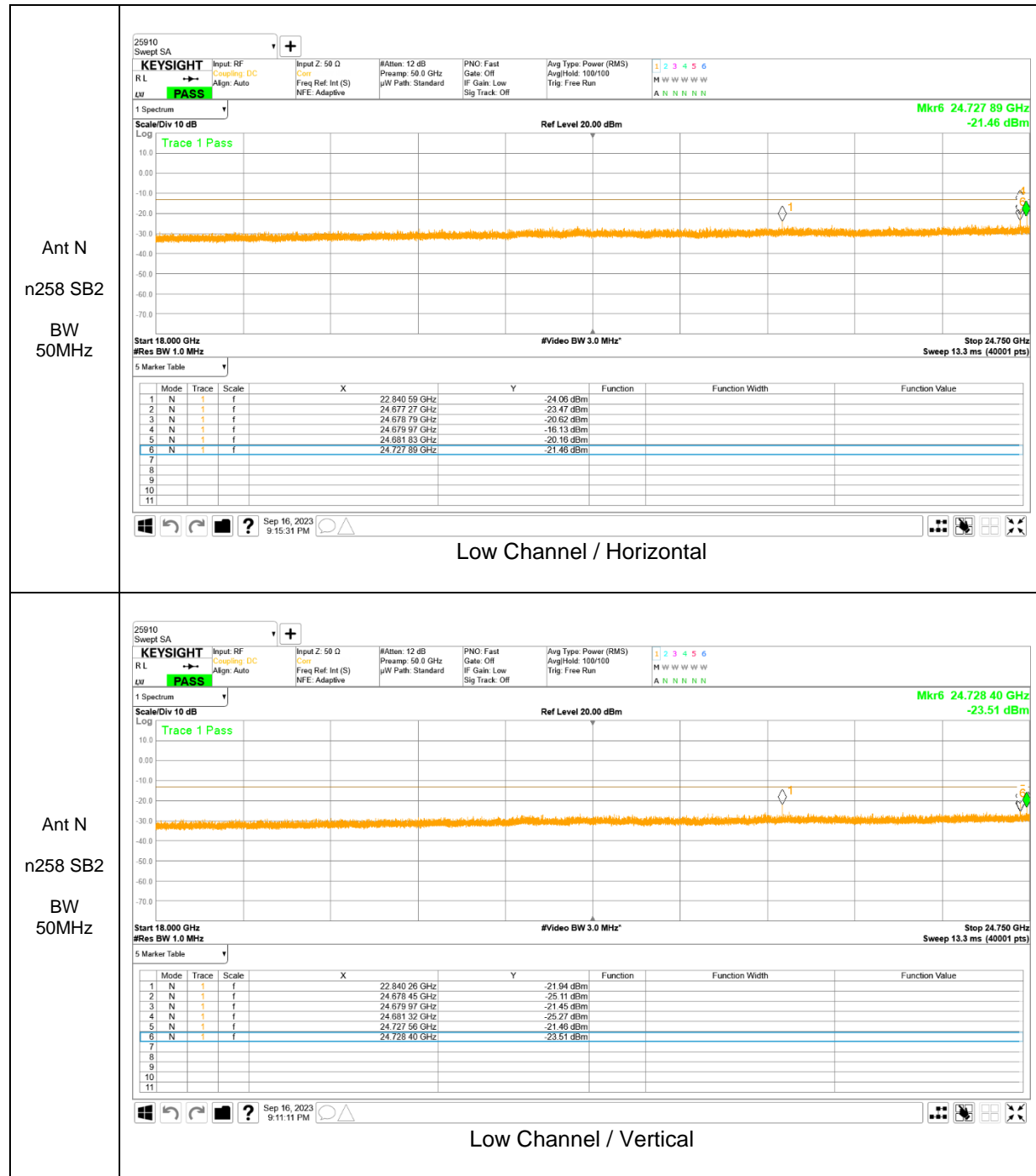
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT(dB)	Conversion Factor(dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.736	.85	RMS	28.9	-20.5	11.8	21.05	33	-11.95	0-360	150	H
2	1.736	-17.52	RMS	28.9	-20.5	11.8	2.68	33	-30.32	0-360	150	V
3	17.639	-62.7	RMS	41.7	-16.5	11.8	-25.7	-13	-12.7	0-360	150	H
4	17.638	-63.82	RMS	41.7	-16.4	11.8	-26.72	-13	-13.72	0-360	150	V

RMS - RMS detection

** Marker 1 and 2 were the fundamental signal of LTE Band 66 that was used as a representative anchor band for EN-DC investigations.
 No emissions were detected above the noise floor which was at least 20dB below the specification limit.

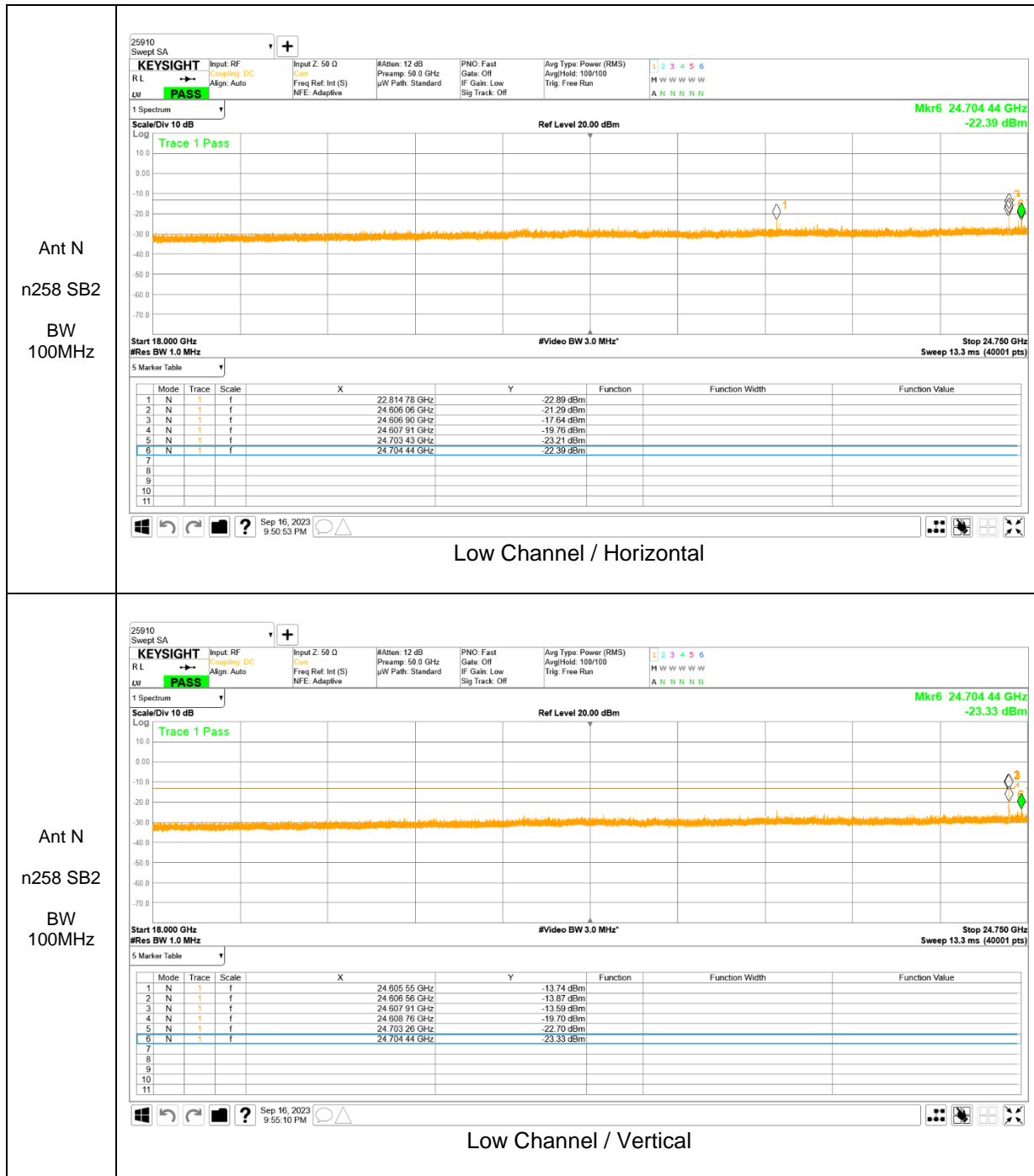
18 – 24.75 GHz



Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
24.68	100	SISO-Dual	QPSK	V	163.41	120.0	-25.15	-13	12.15
24.68	100	SISO-Dual	QPSK	H	179.06	72.1	-24.82	-13	11.82

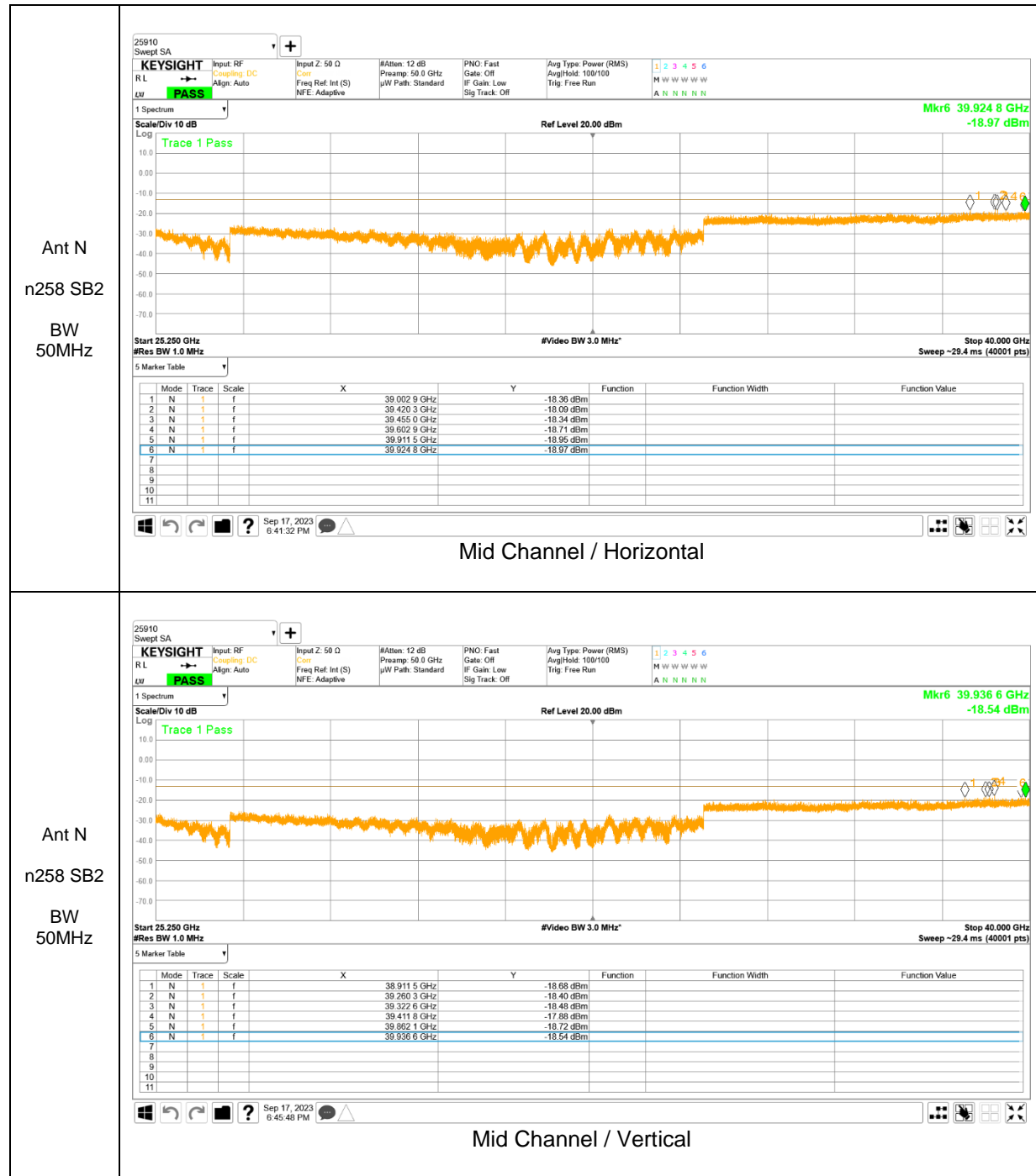


Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

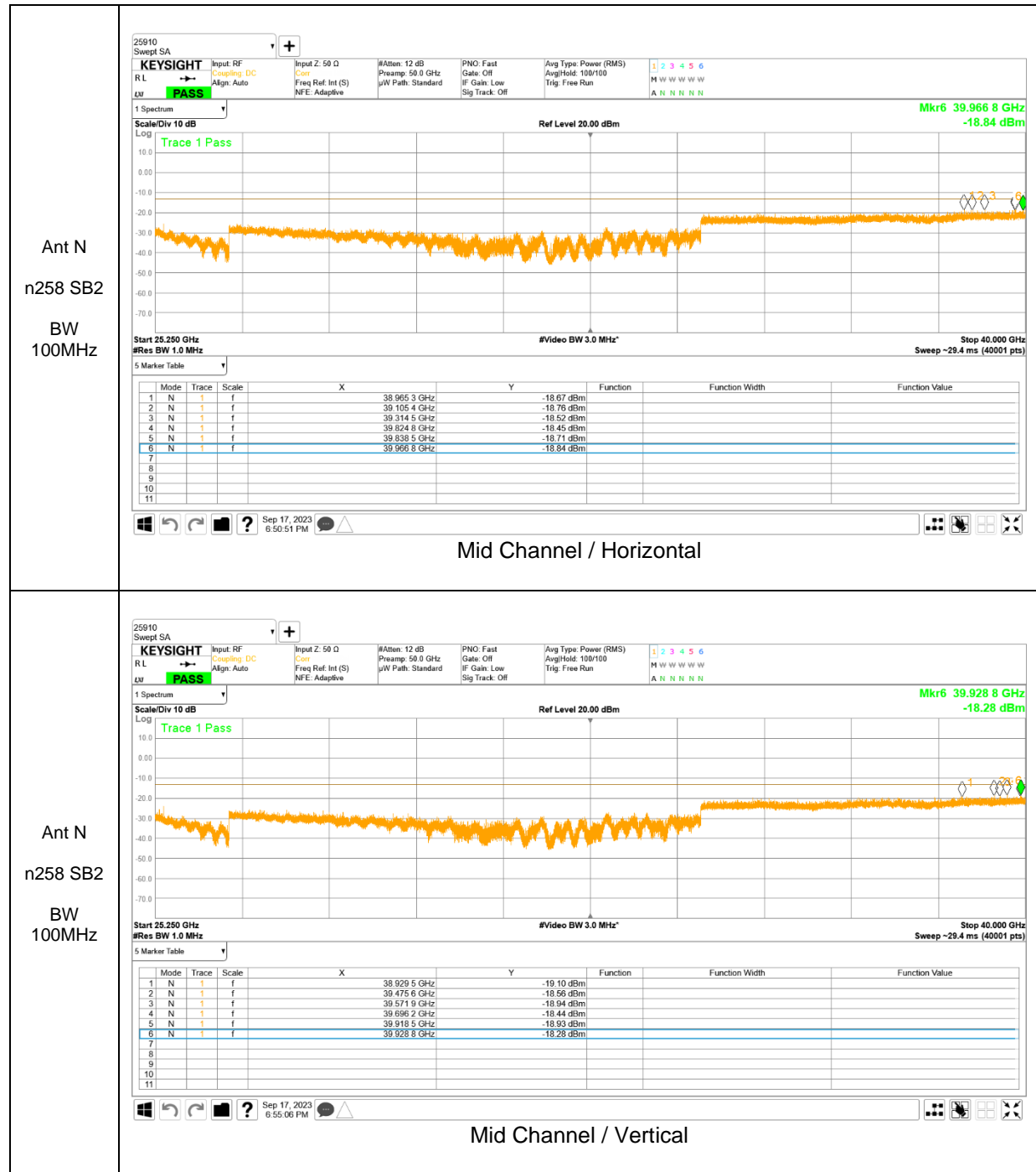
Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
24.61	100	SISO-Dual	QPSK	V	165.83	120.0	-17.64	-13	4.64
24.61	100	SISO-Dual	QPSK	H	194.98	76.6	-24.21	-13	11.21

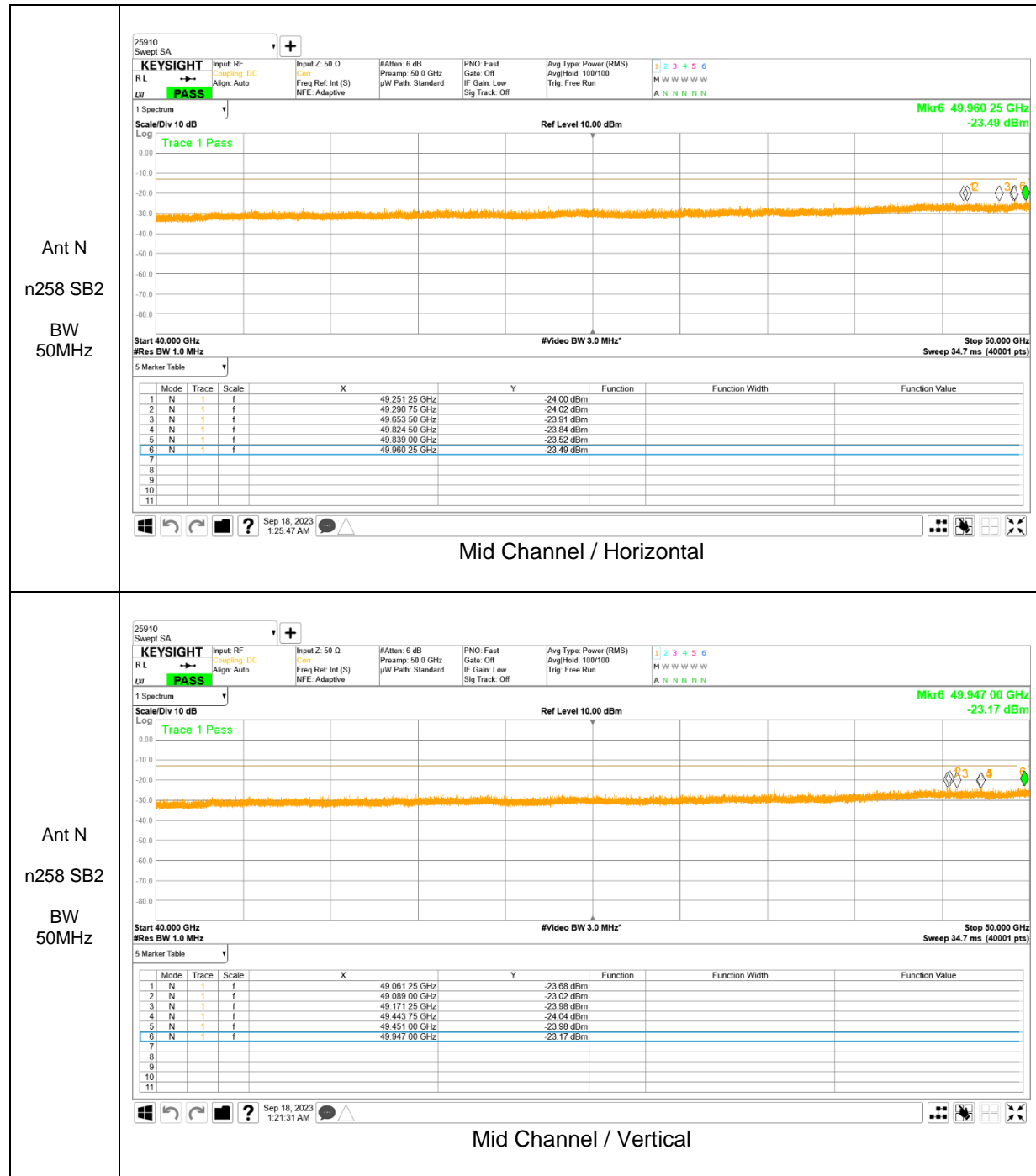
25.25 – 40 GHz Result



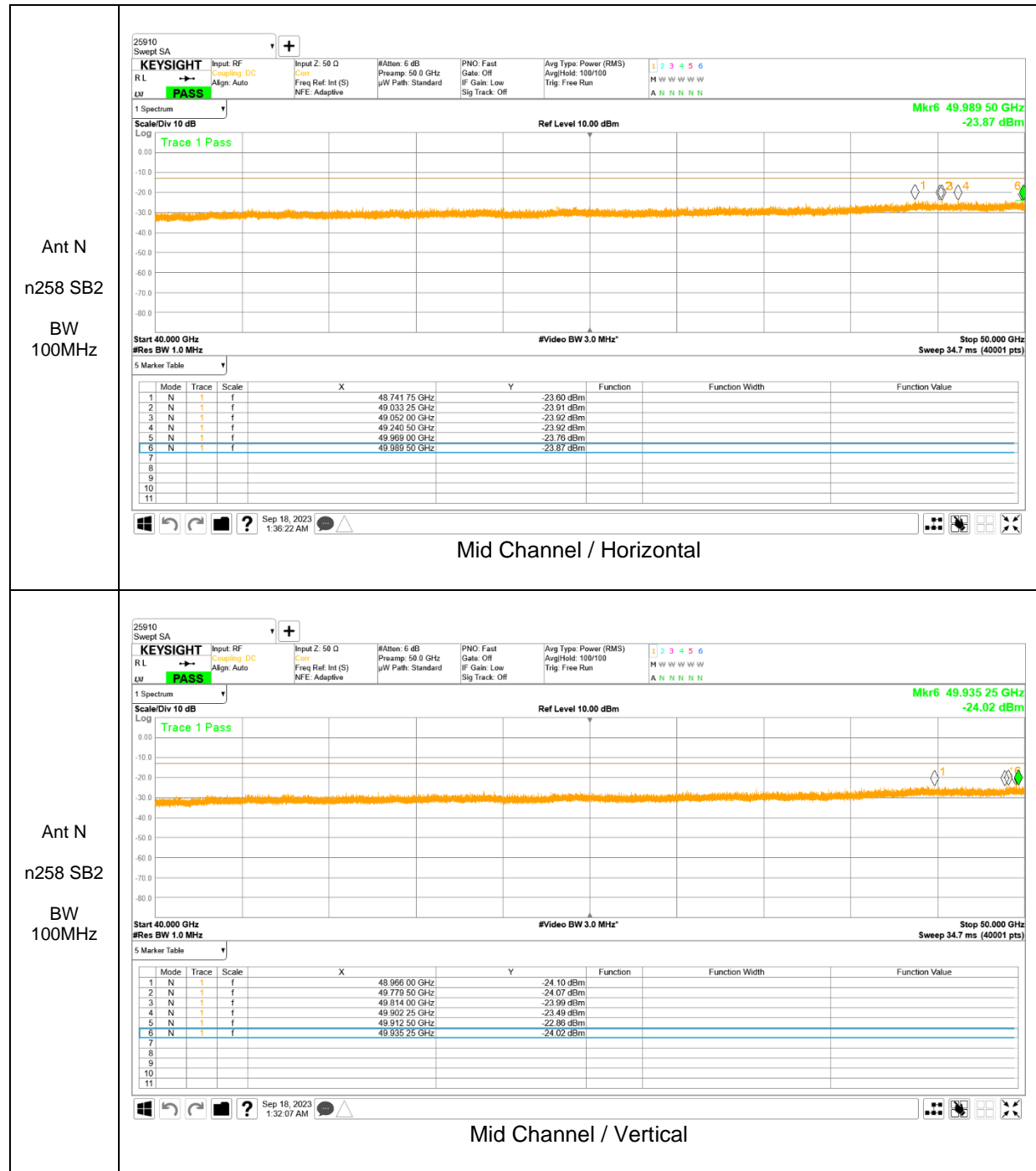
No emissions were detected above noise floor this antenna and band.



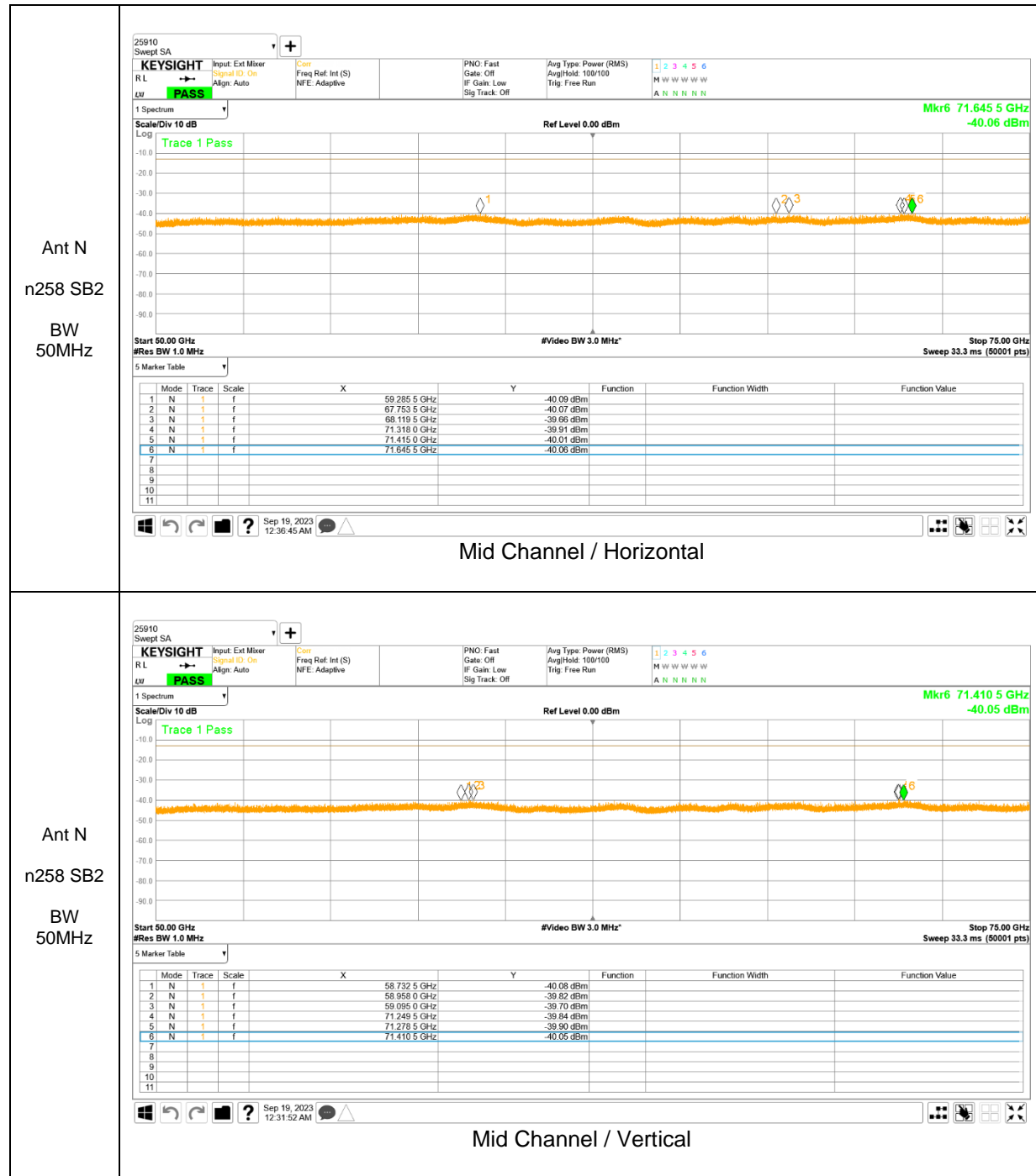
40 – 50 GHz Result



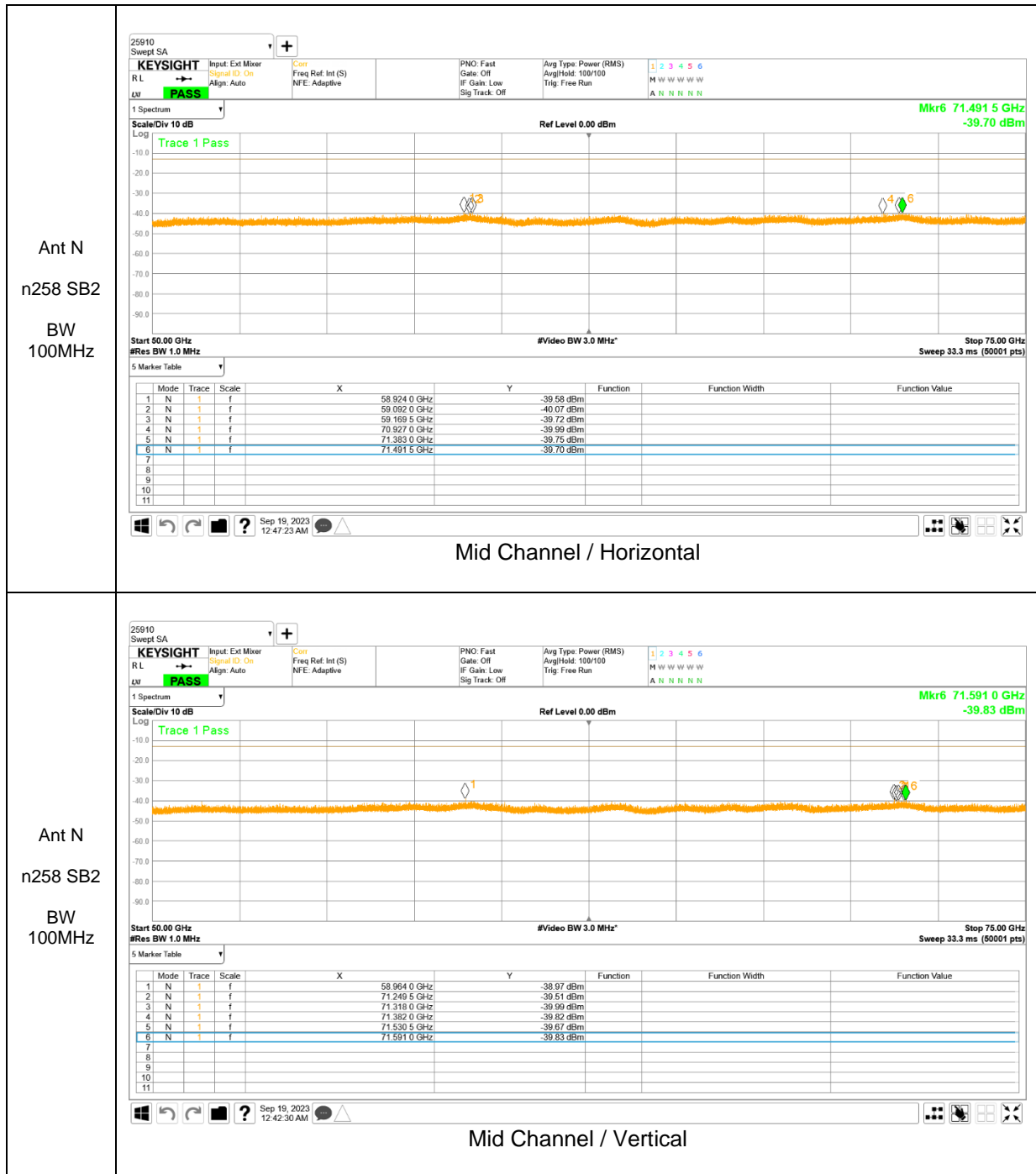
No emissions were detected above noise floor this antenna and band.



50 – 75 GHz Result

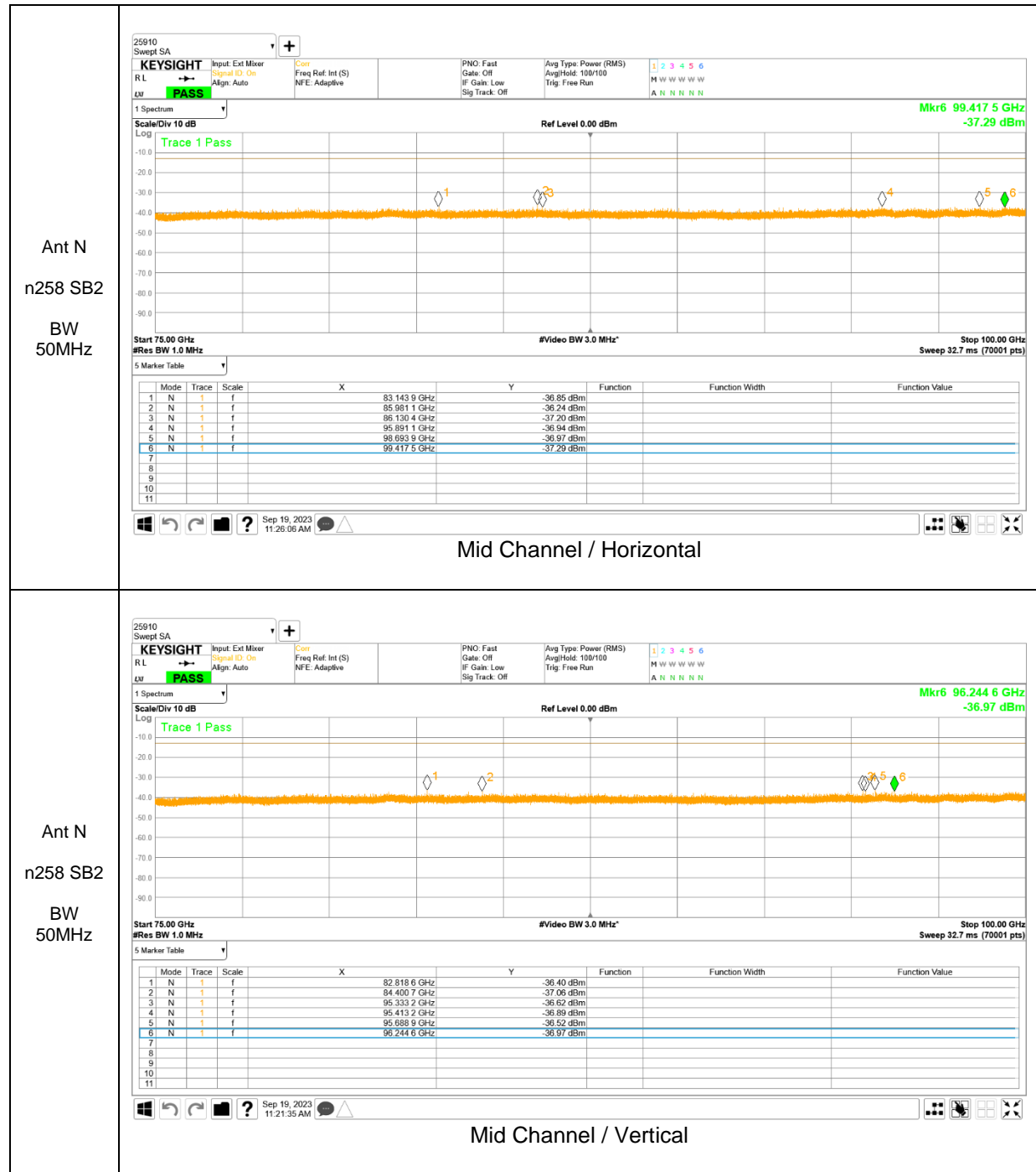


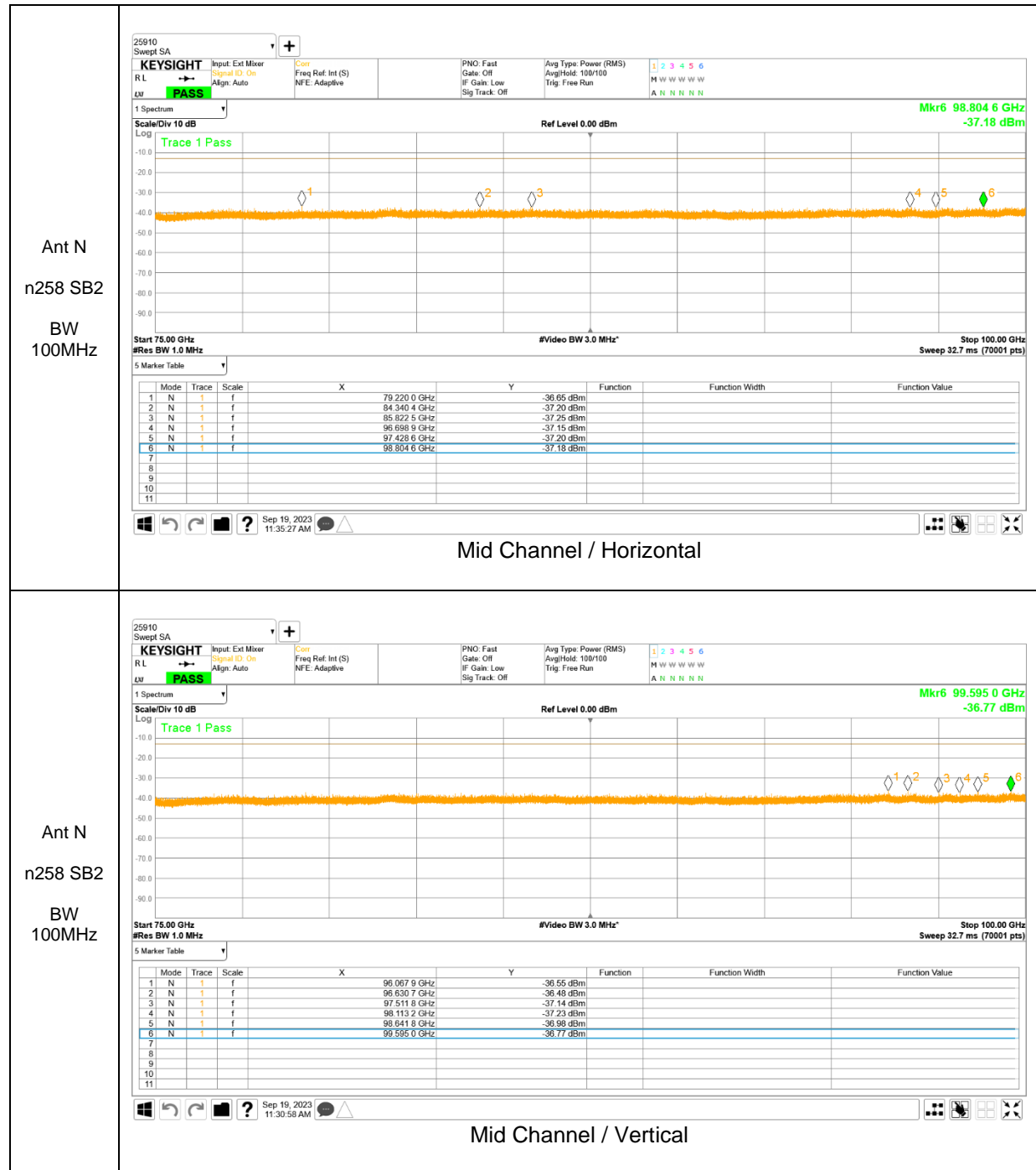
No emissions were detected above noise floor this antenna and band.



No emissions were detected above noise floor this antenna and band.

75 – 100 GHz Result

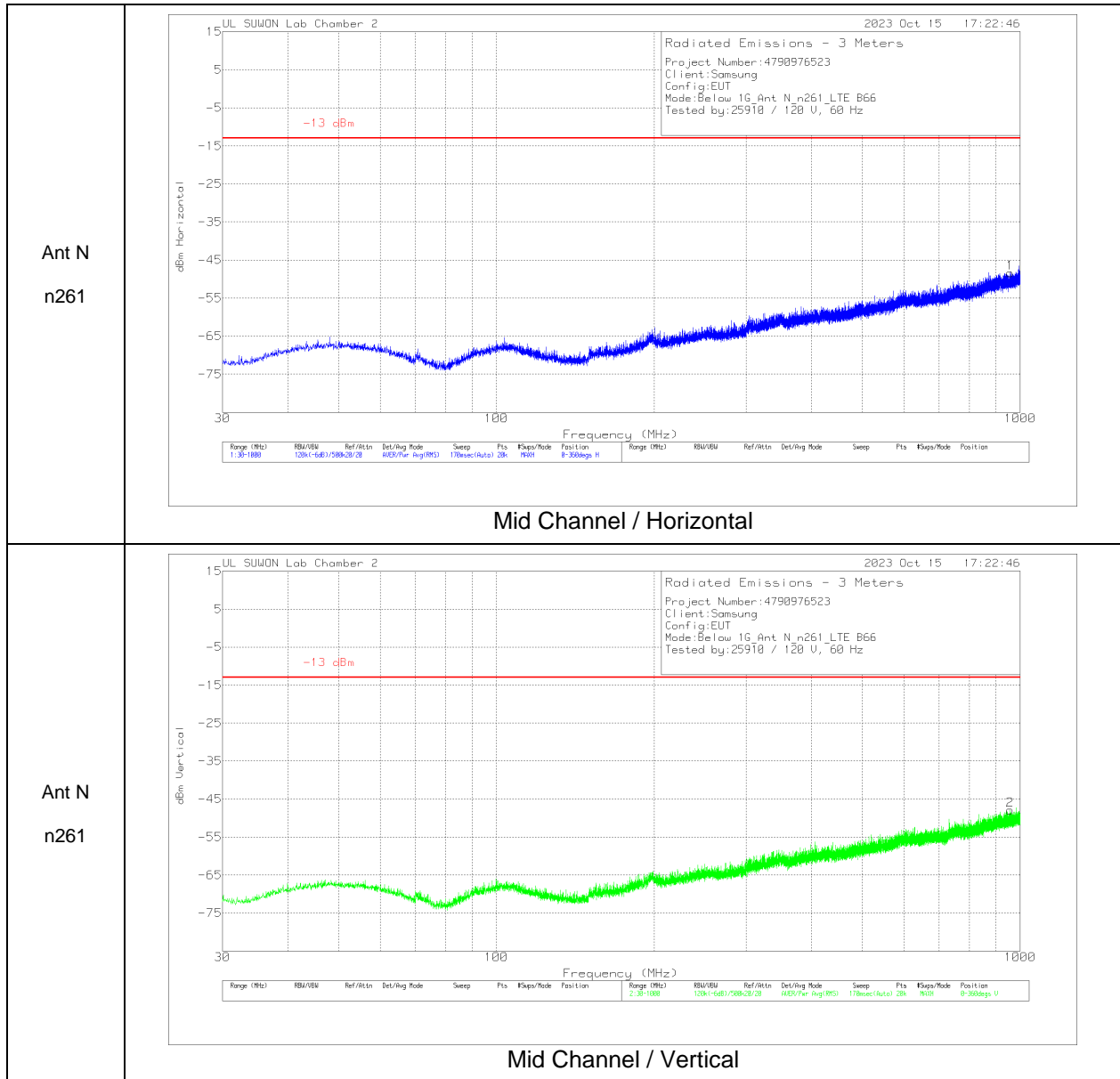




No emissions were detected above noise floor this antenna and band.

Antenna 2 / Ant N / n261

30 – 1000 MHz Result



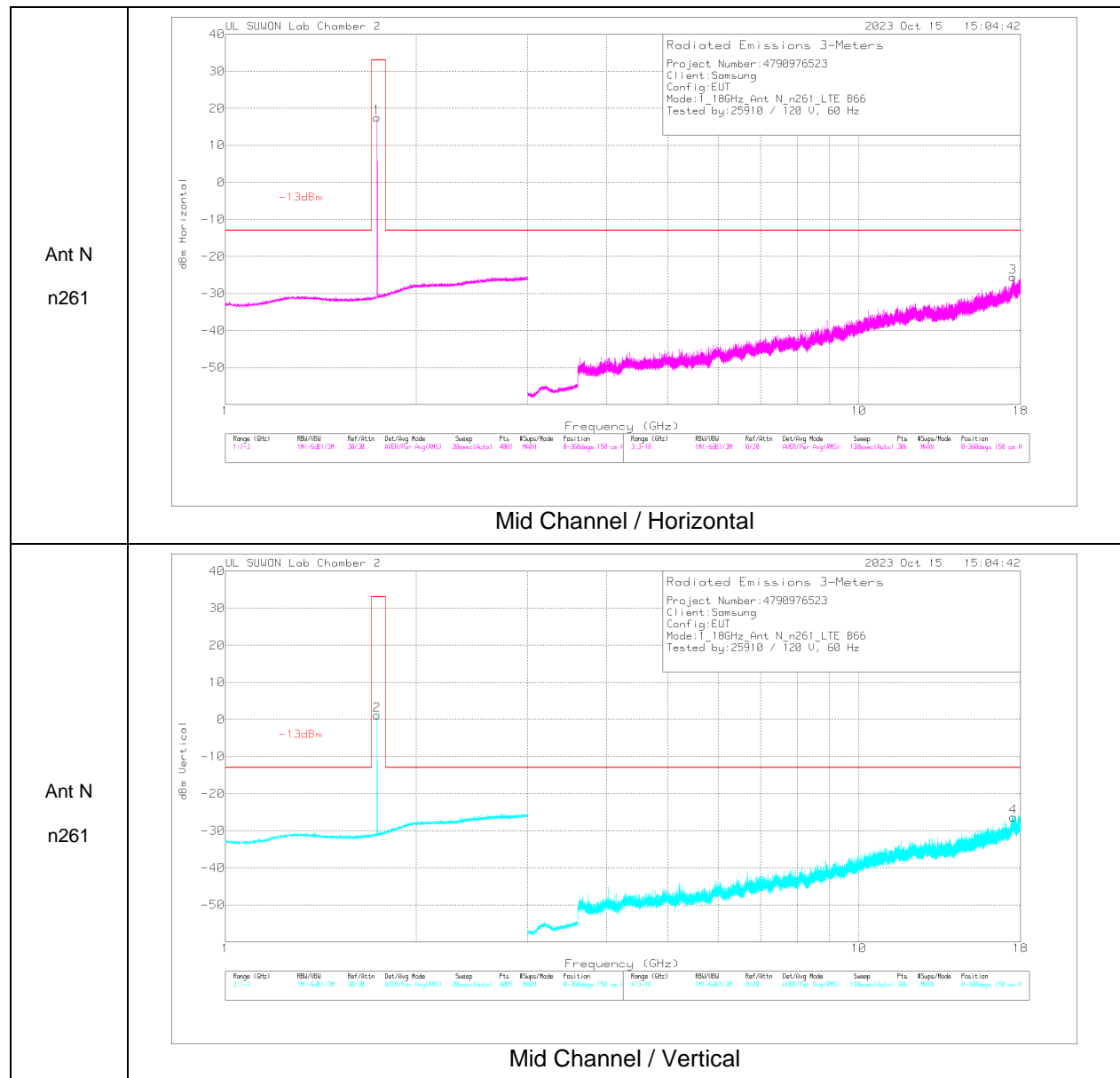
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	VULB9163_749	Below_1G(dB)	Conversion Factor(dB)	Corrected Reading dBm	-13 dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	957.0393	-60.69	RMS	27.6	-27.1	11.8	-48.39	-13	-35.39	0-360	200	H
2	956.4573	-60.17	RMS	27.6	-27.1	11.8	-47.87	-13	-34.87	0-360	100	V

RMS - RMS detection

No emissions were detected above noise floor this antenna and band.

1 – 18 GHz Result



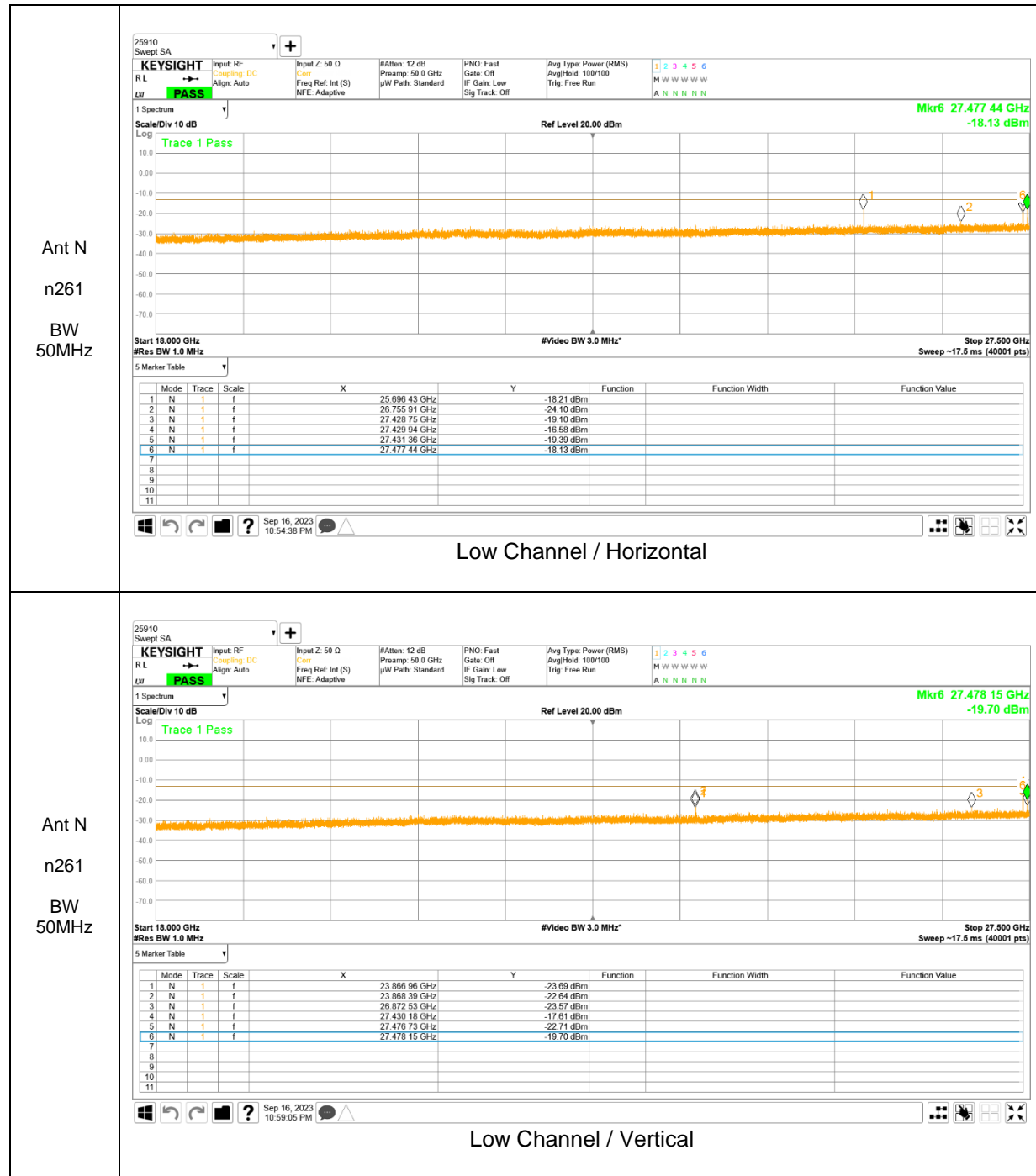
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT(dB)	Conversion Factor(dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.736	-2.67	RMS	28.9	-20.5	11.8	17.53	33	-15.47	0-360	150	H
2	1.736	-19.08	RMS	28.9	-20.5	11.8	1.12	33	-31.88	0-360	150	V
3	17.51301	-62.27	RMS	41.5	-16.6	11.8	-25.57	-13	-12.57	0-360	150	H
4	17.54551	-63.38	RMS	41.6	-16.4	11.8	-26.38	-13	-13.38	0-360	150	V

RMS - RMS detection

** Marker 1 and 2 were the fundamental signal of LTE Band 66 that was used as a representative anchor band for EN-DC investigations.
 No emissions were detected above the noise floor which was at least 20dB below the specification limit.

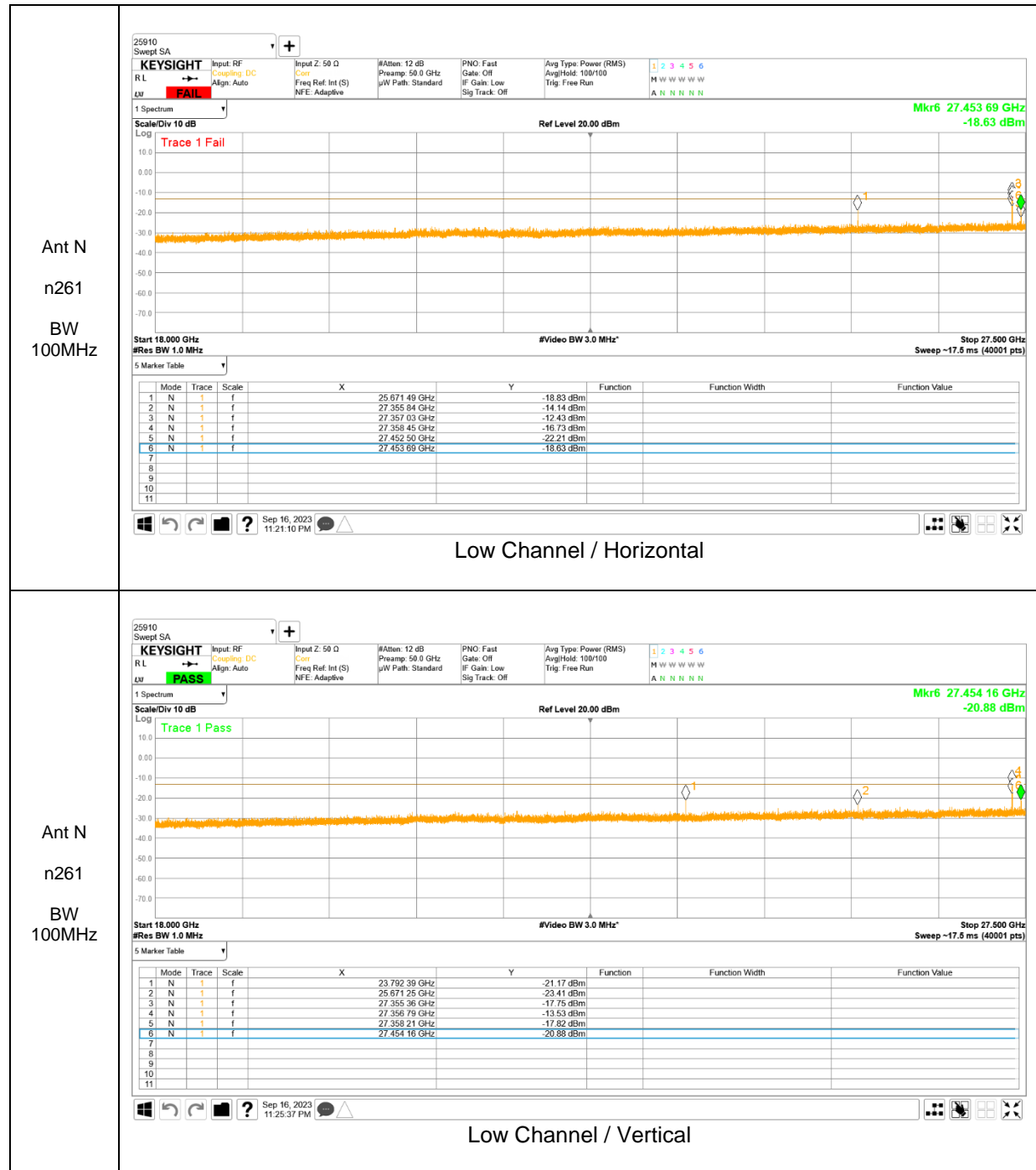
18 – 27.5 GHz



Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
25.70	50	SISO-Dual	QPSK	H	175.77	80.0	-23.40	-13	10.40
27.43	50	SISO-Dual	QPSK	V	185.14	74.7	-23.09	-13	10.09
27.43	50	SISO-Dual	QPSK	H	188.96	75.8	-21.34	-13	8.34
27.48	50	SISO-Dual	QPSK	V	196.09	74.6	-21.81	-13	8.81
27.48	50	SISO-Dual	QPSK	H	195.16	74.9	-22.37	-13	9.37



Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
23.79	100	SISO-Dual	QPSK	V	208.31	110.3	-27.79	-13	14.79
25.67	100	SISO-Dual	QPSK	H	177.54	84.2	-22.20	-13	9.20
27.45	100	SISO-Dual	QPSK	V	195.47	77.3	-21.90	-13	8.90
27.45	100	SISO-Dual	QPSK	H	176.29	84.6	-22.43	-13	9.43
27.36	100	SISO-Dual	QPSK	V	184.49	81.8	-19.49	-13	6.49
27.36	100	SISO-Dual	QPSK	H	192.76	77.2	-17.81	-13	4.81

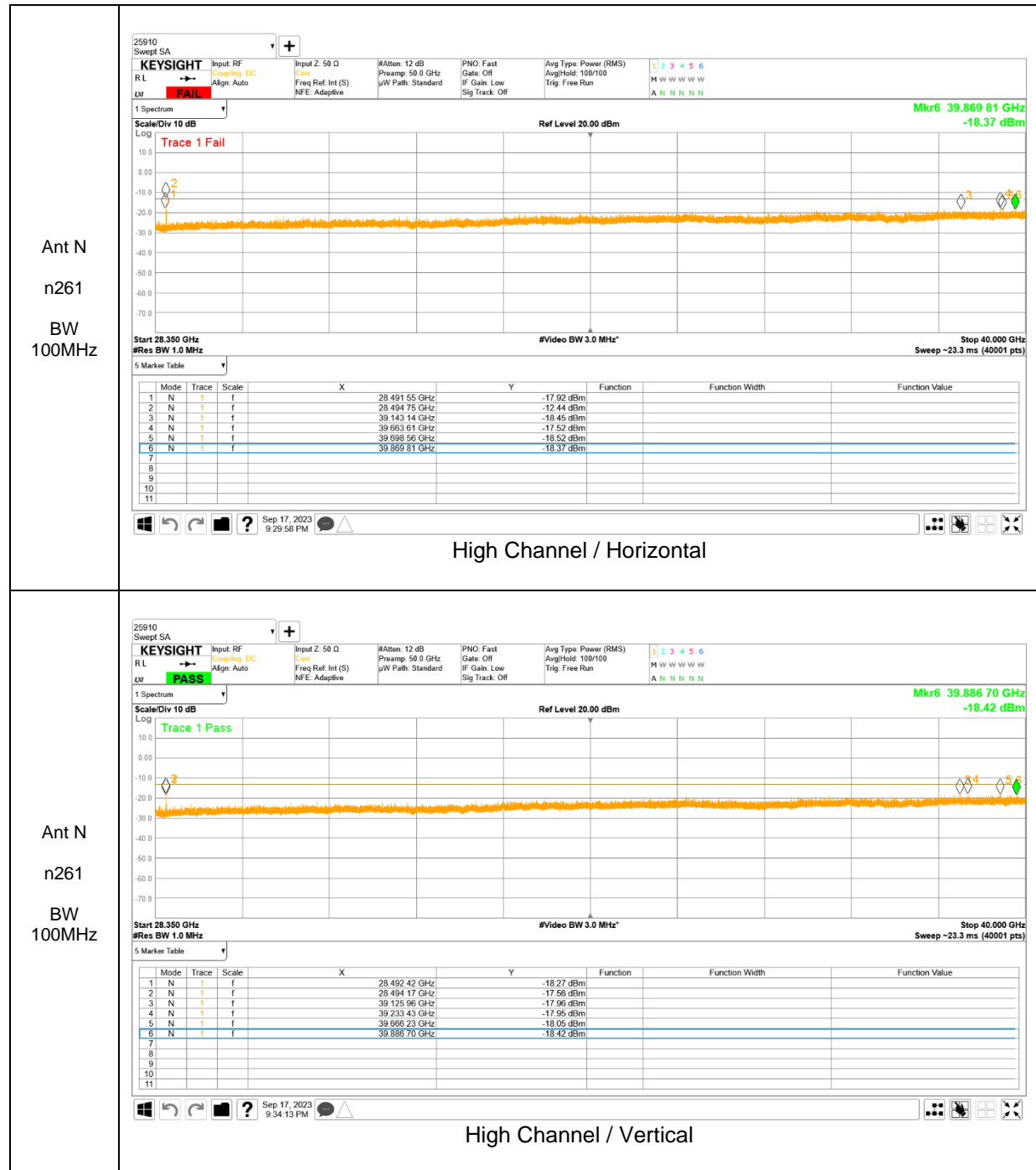
28.35 – 40 GHz Result



Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
29.74	50	SISO-Dual	QPSK	V	186.66	111.3	-30.29	-13	17.29
29.74	50	SISO-Dual	QPSK	H	183.06	77.0	-19.71	-13	6.71

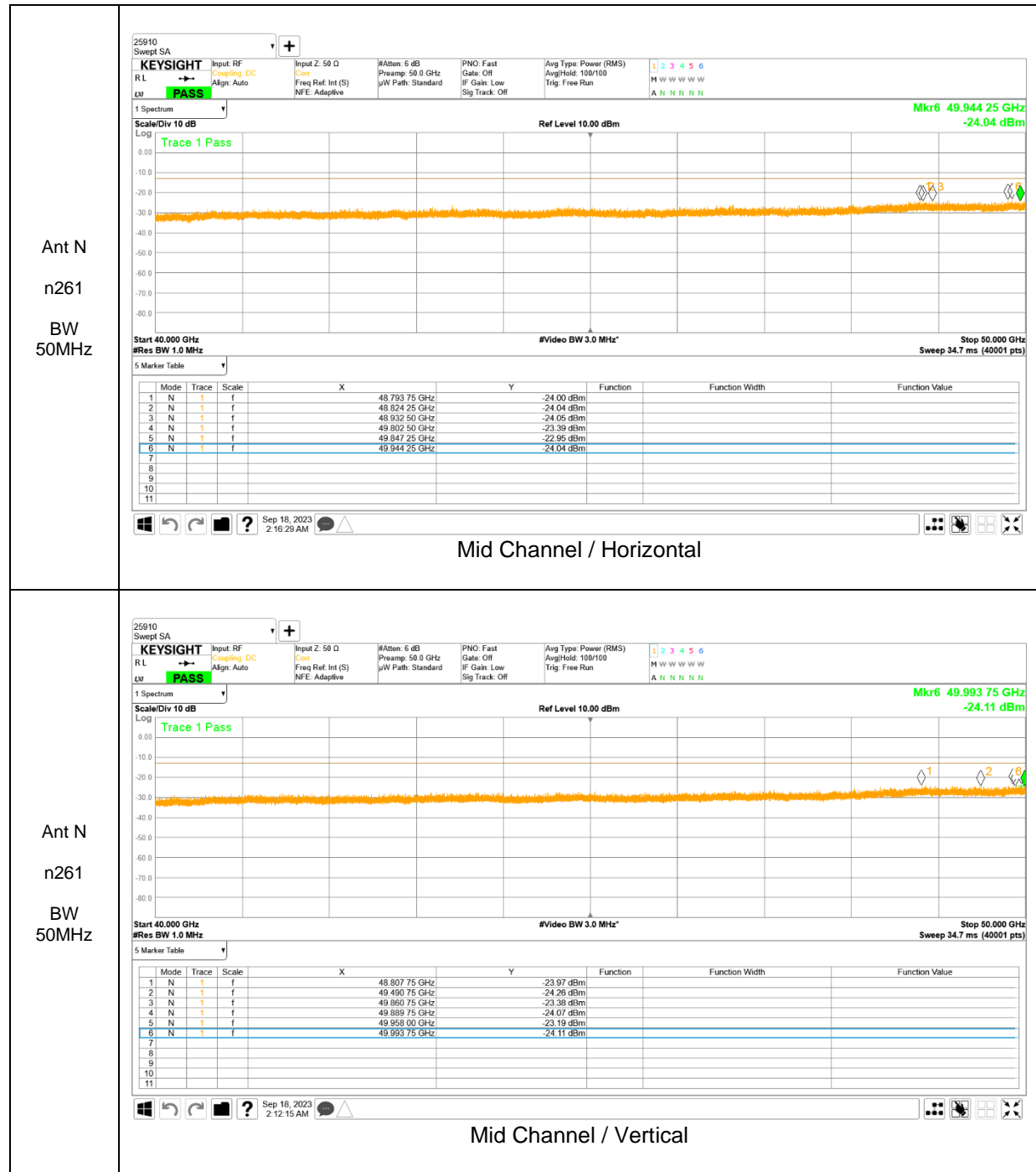


Note. After pre-scan, a zoom scan was performed on the identified spurious emissions.

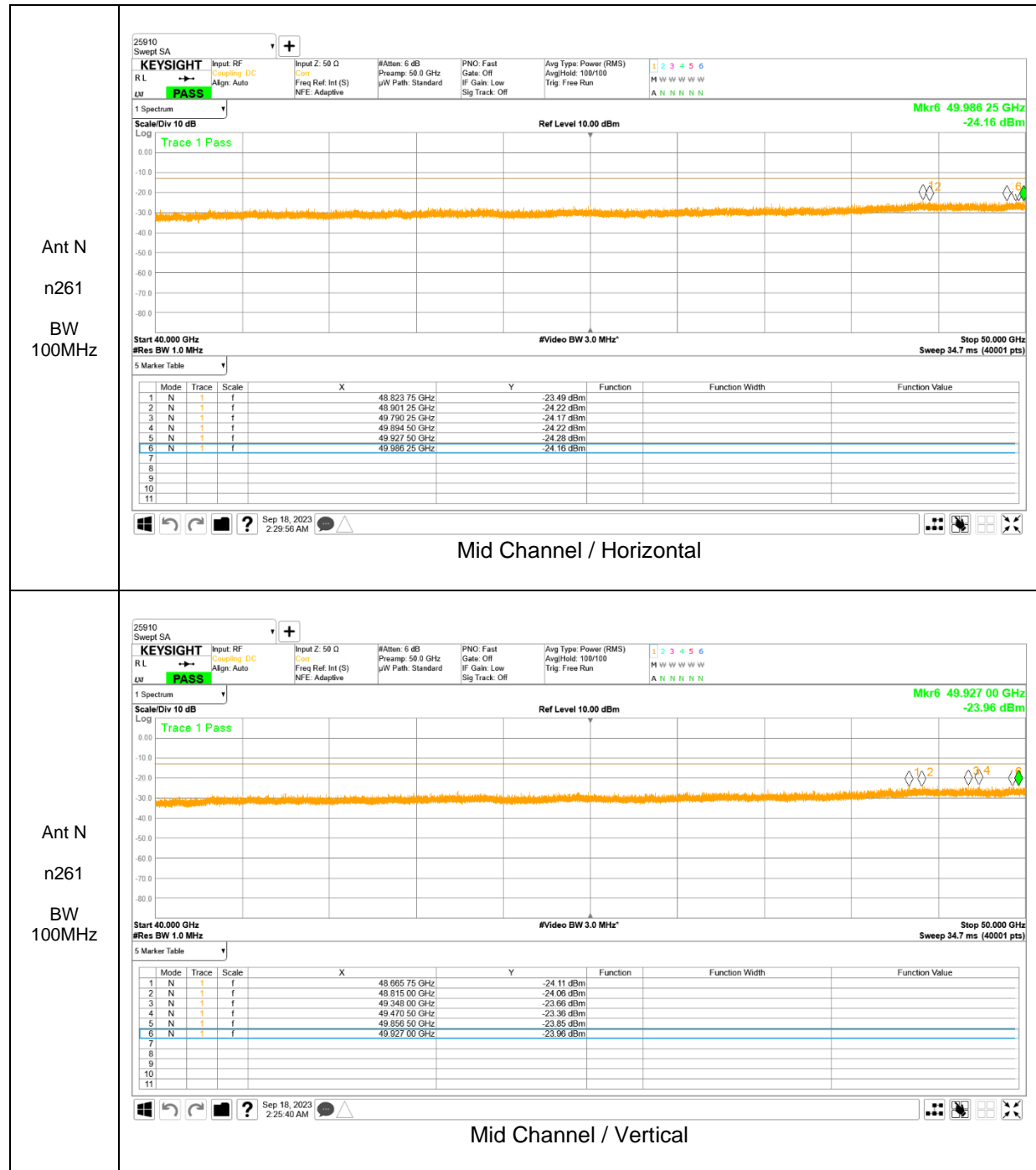
Final Measurement Data Table

Frequency [GHz]	Bandwidth [MHz]	EUT Beam	Modulation	Ant pol [H/V]	X-Axis [degree]	Y-Axis [degree]	EIRP [dBm]	Limit [dBm]	Margin [dB]
28.49	100	SISO-Dual	QPSK	V	190.37	75.7	-20.79	-13	7.79
28.49	100	SISO-Dual	QPSK	H	184.84	75.1	-16.36	-13	3.36

40 – 50 GHz Result



No emissions were detected above noise floor this antenna and band.



No emissions were detected above noise floor this antenna and band.