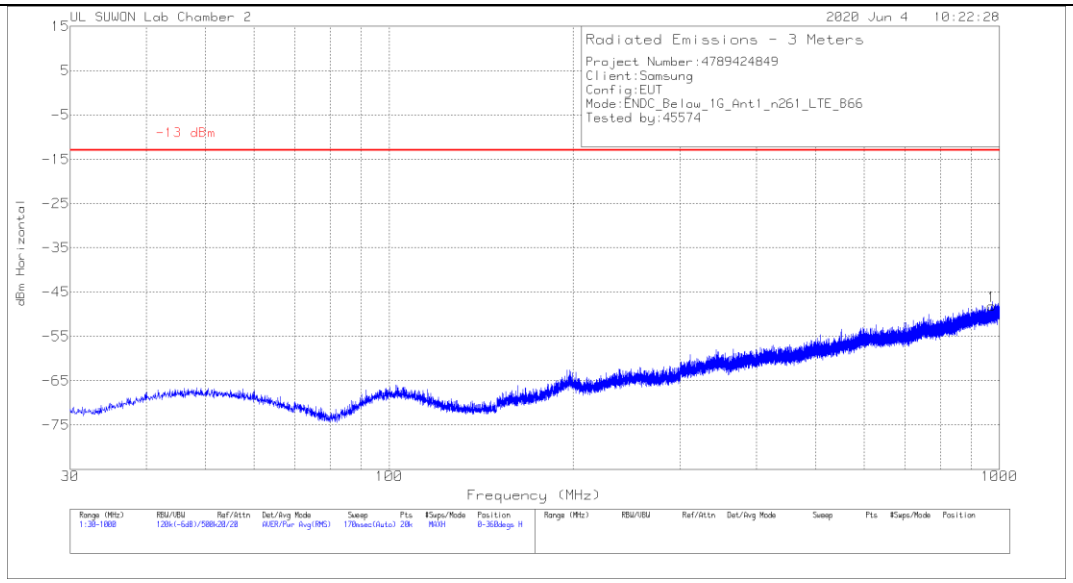
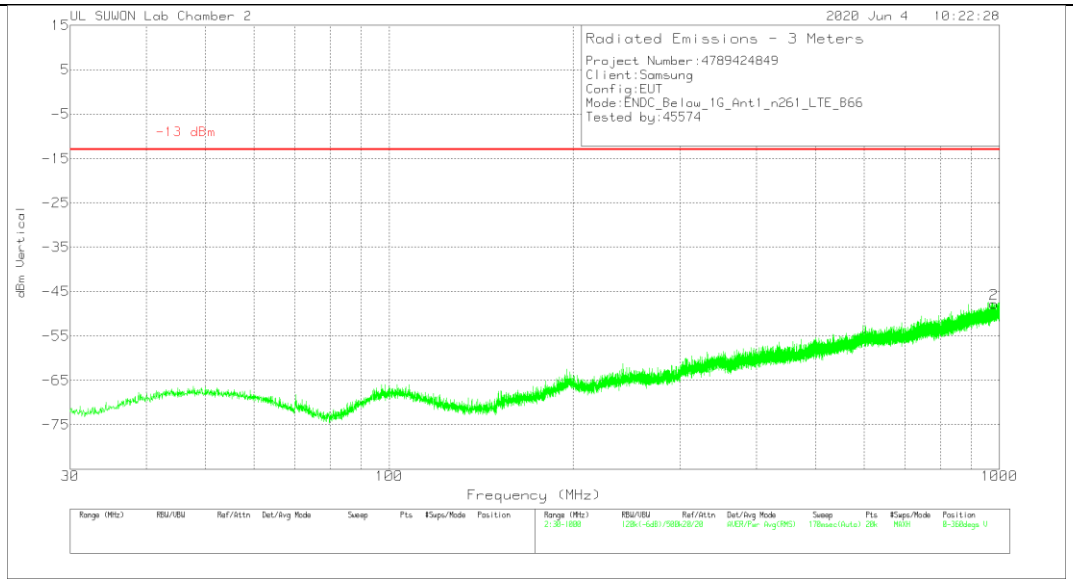
7.4.1. RADIATED SPURIOUS AND HARMONIC EMISSIONS RESULT

Antenna 1 / n261

30 – 1000 MHz Result

Ant 1 n261	 Mid Channel / Horizontal
Ant 1 n261	 Mid Channel / Vertical

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	VULB9163_749	Below_1G[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	972.1221	-61.03	RMS	28.5	-27.4	11.8	-48.13	-13	-	0-360	100	H
2	979.6878	-60.75	RMS	28.4	-27.2	11.8	-47.75	-13	-	0-360	400	V

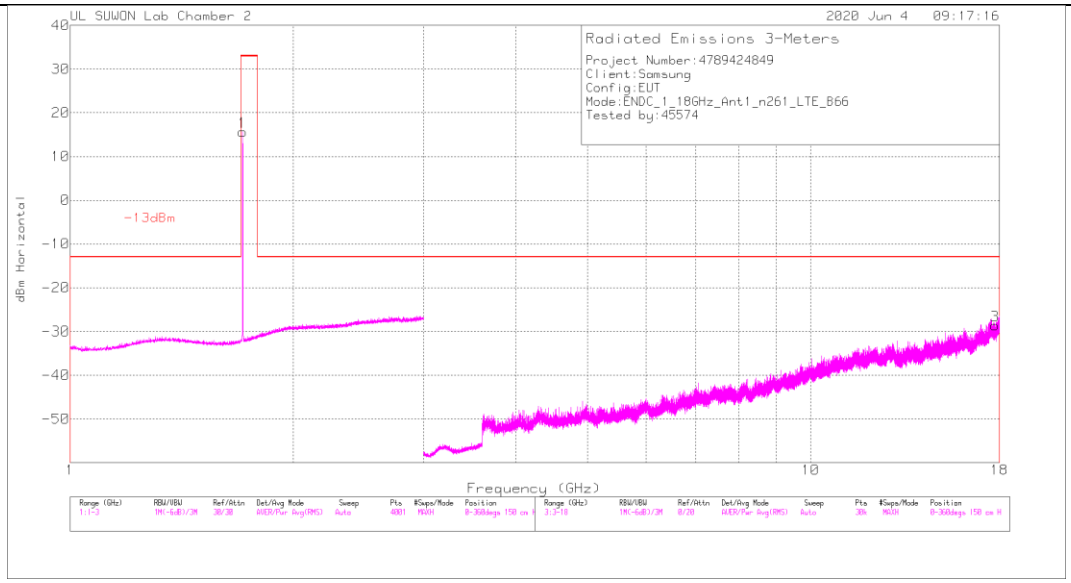
RMS - RMS detection

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

1 – 18 GHz Result

Ant 1

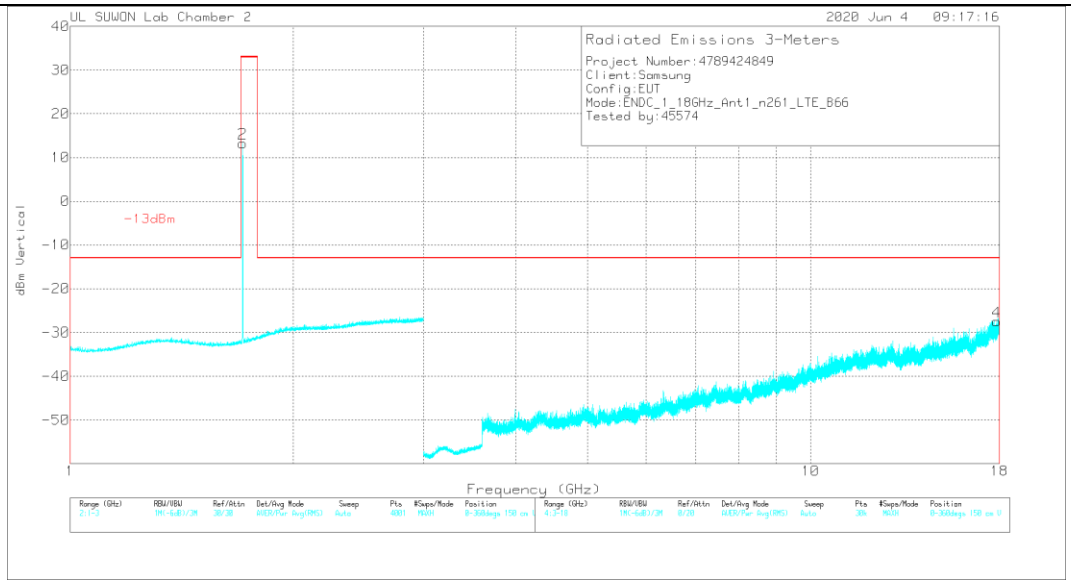
n261



Mid Channel / Horizontal

Ant 1

n261



Mid Channel / Vertical

Trace Markers

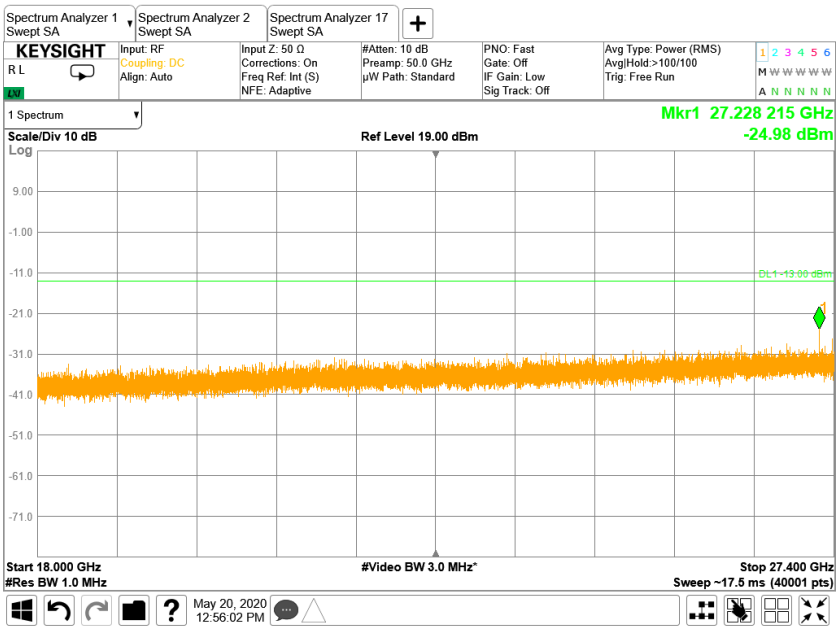
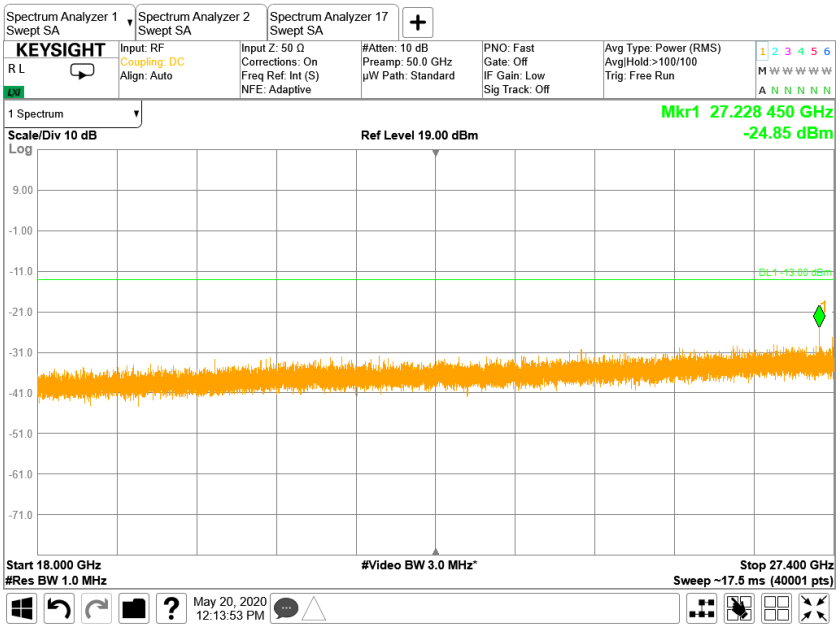
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**1	1.71	-3.61	RMS	28.8	-21.4	11.8	15.59	33	-17.41	0-360	150	H
**2	1.71	-5.91	RMS	28.8	-21.4	11.8	13.29	33	-19.71	0-360	150	V

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	3GHz_HP[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	17.7645	-64.98	RMS	41.5	-16.9	11.8	-28.58	-13	-15.58	0-360	150	H
4	17.85499	-63.56	RMS	41.6	-17.3	11.8	-27.46	-13	-14.46	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 noise floor this antenna and band. Thus reported mid channel data.

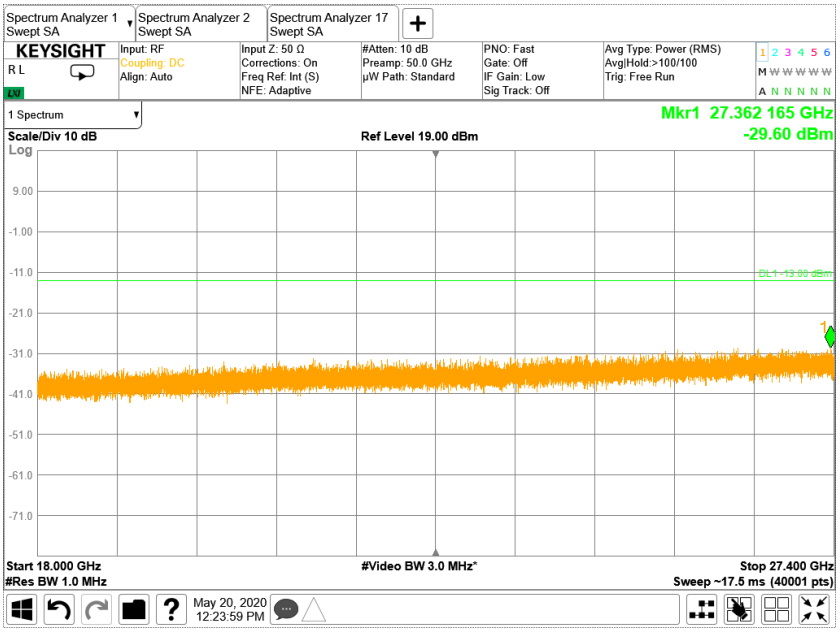
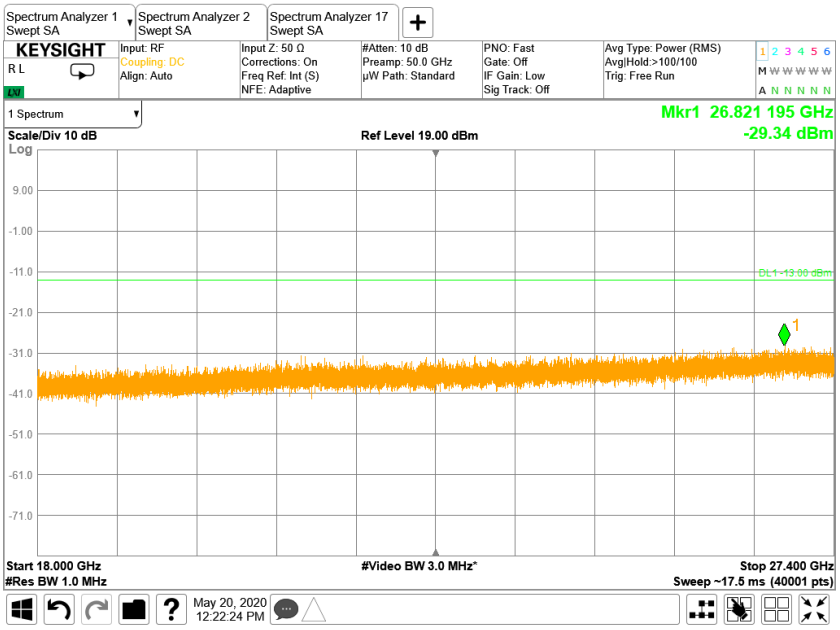
18 – 27.4 GHz

Ant 1 n261 BW 50MHz	 Low Channel / Horizontal
Ant 1 n261 BW 50MHz	 Low Channel / Vertical

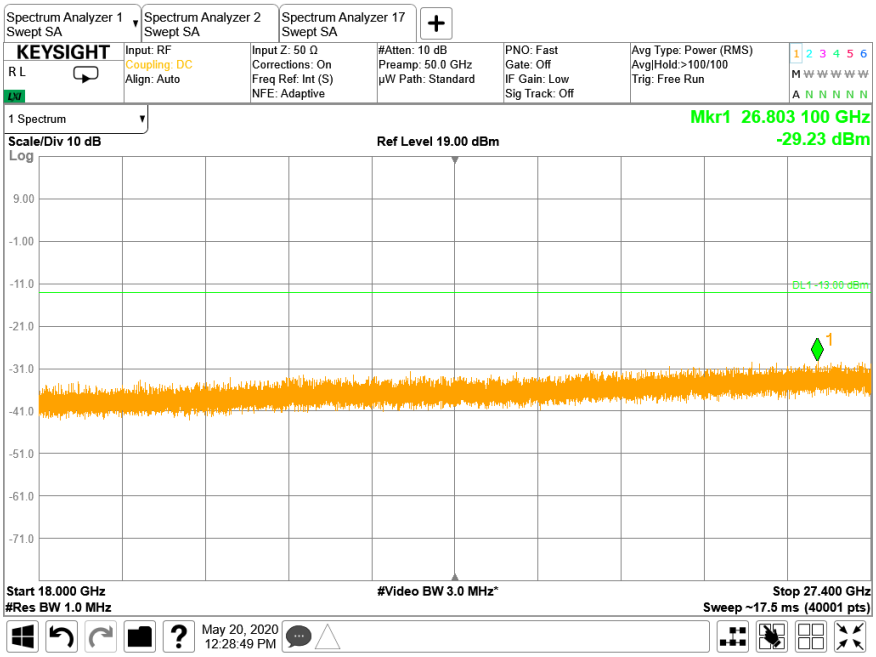
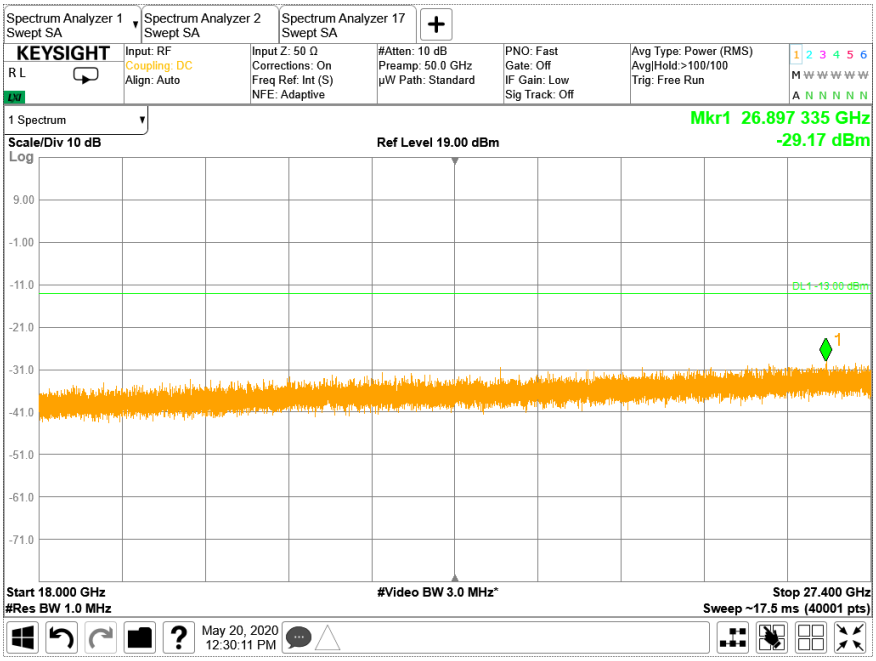
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
27228.07	50	MIMO	QPSK	H	128	30	-28.83	-13.00	-15.83
27228.21	50	MIMO	QPSK	V	126	60	-27.36	-13.00	-14.36

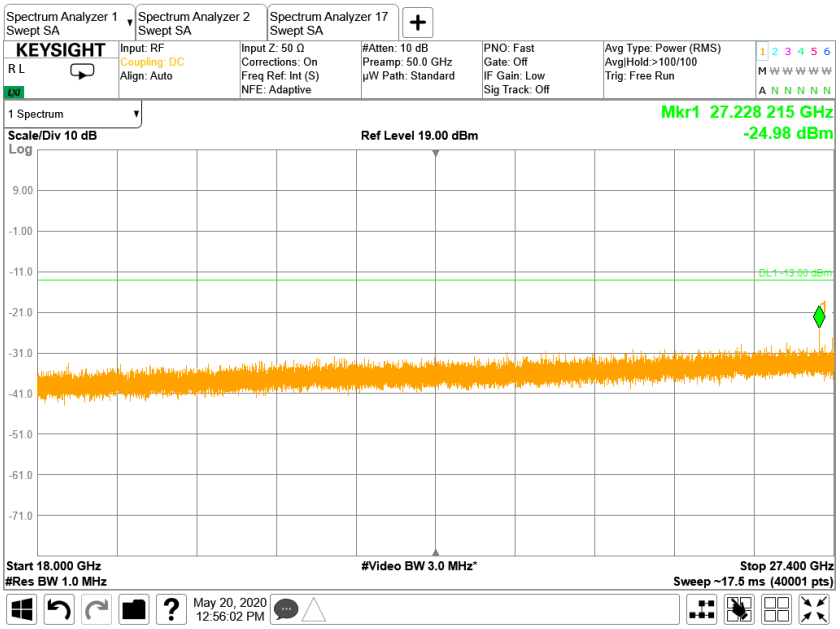
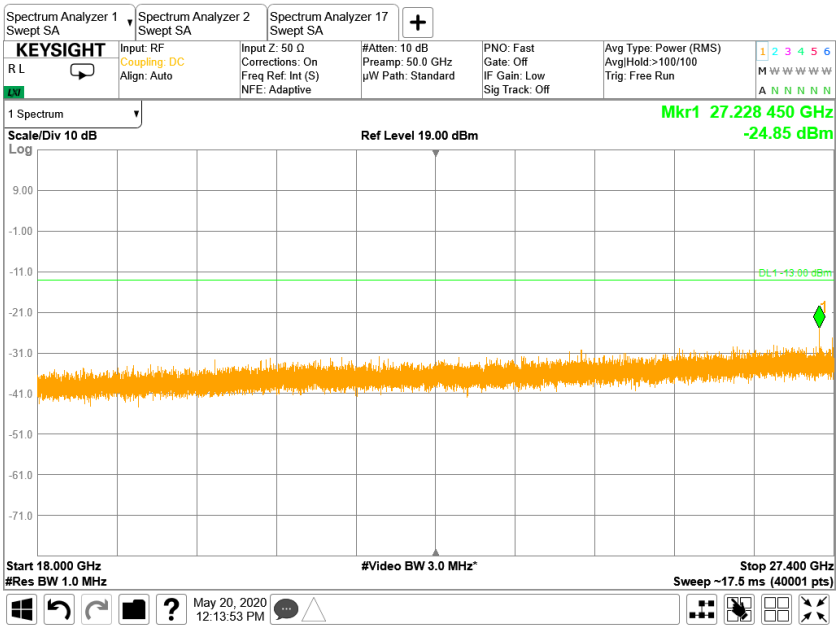
UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_30(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

Ant 1 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor.

Ant 1 n261 BW 50MHz	 High Channel / Horizontal
Ant 1 n261 BW 50MHz	 High Channel / Vertical

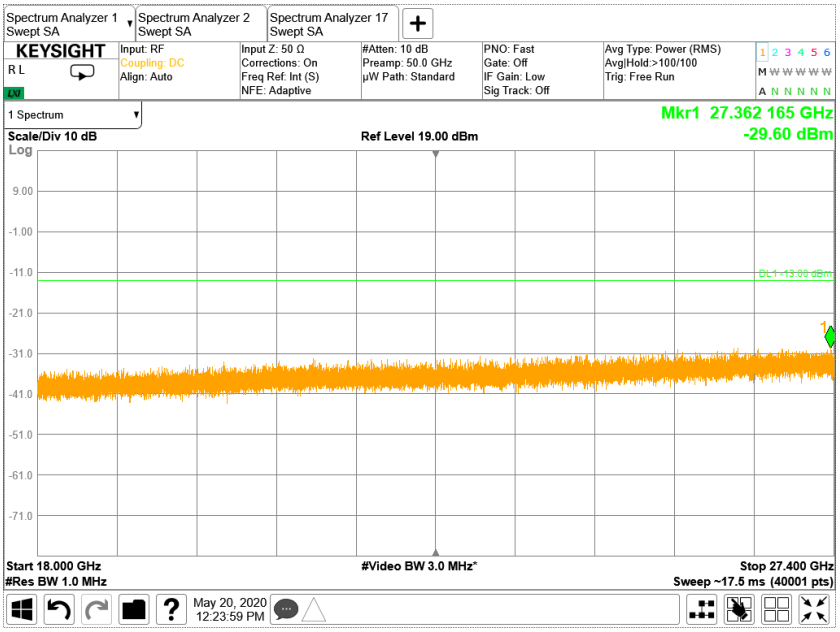
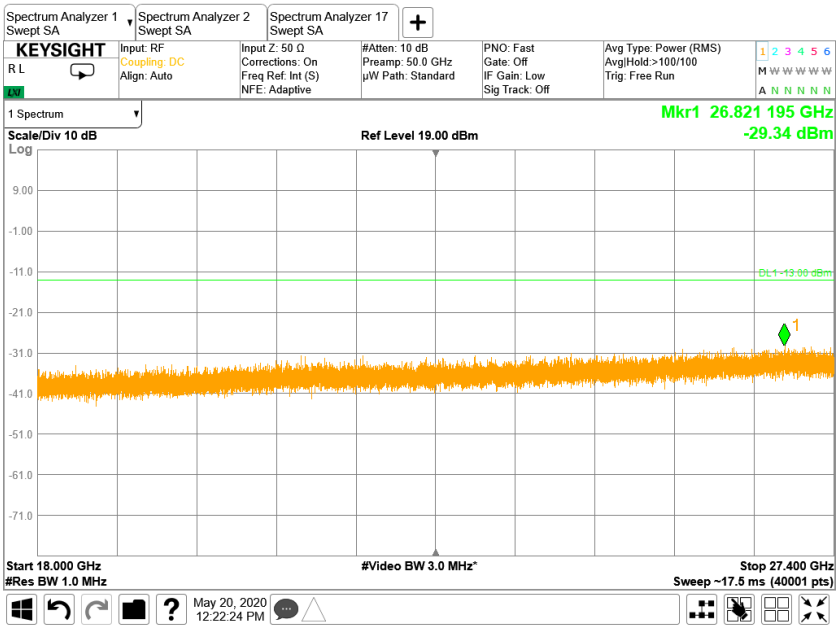
No emissions were detected above noise floor.

Ant 1 n261 BW 100MHz	 Low Channel / Horizontal
Ant 1 n261 BW 100MHz	 Low Channel / Vertical

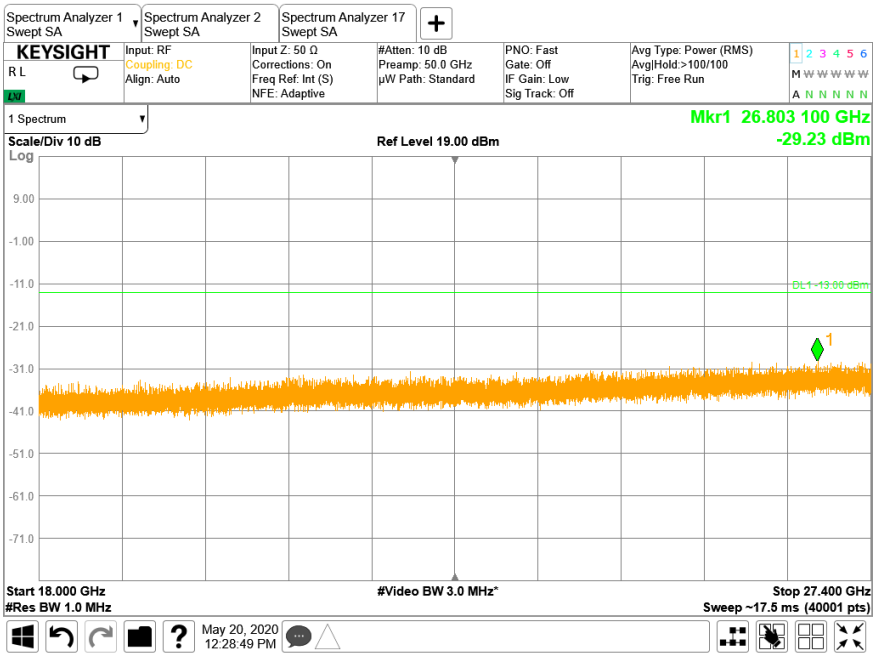
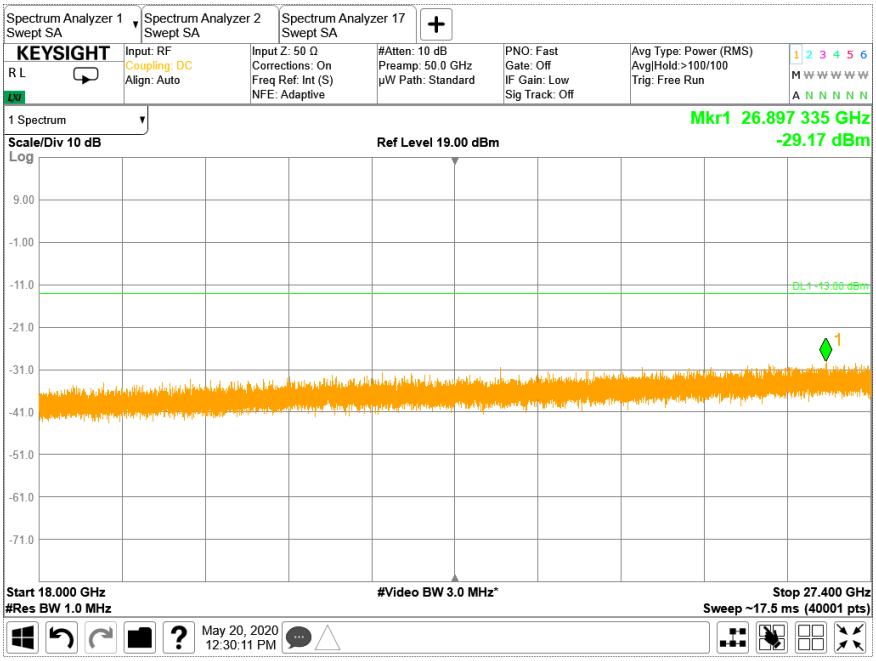
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
27228.07	50	MIMO	QPSK	H	128	30	-28.83	-13.00	-15.83
27228.21	50	MIMO	QPSK	V	126	60	-27.36	-13.00	-14.36

UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_30(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

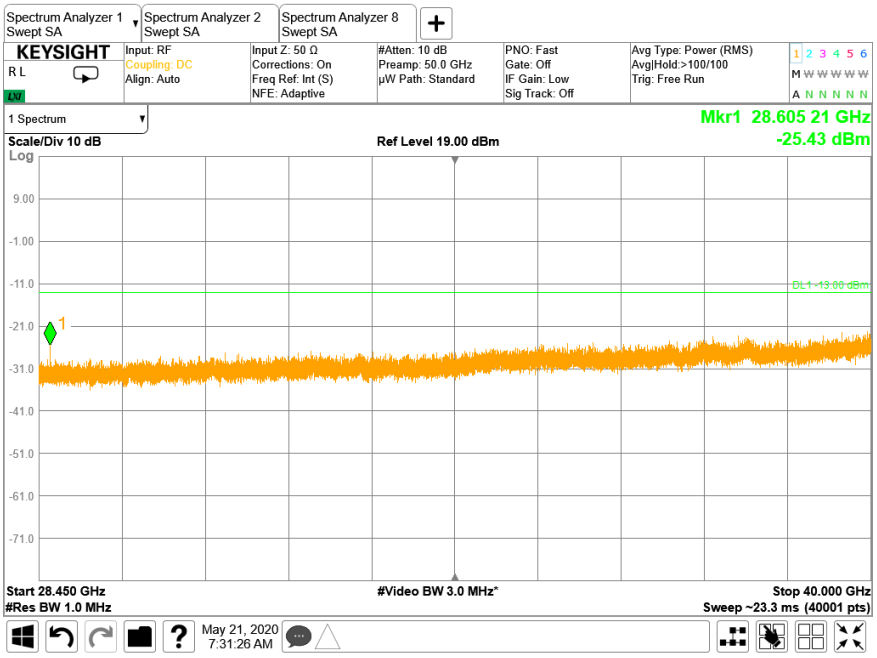
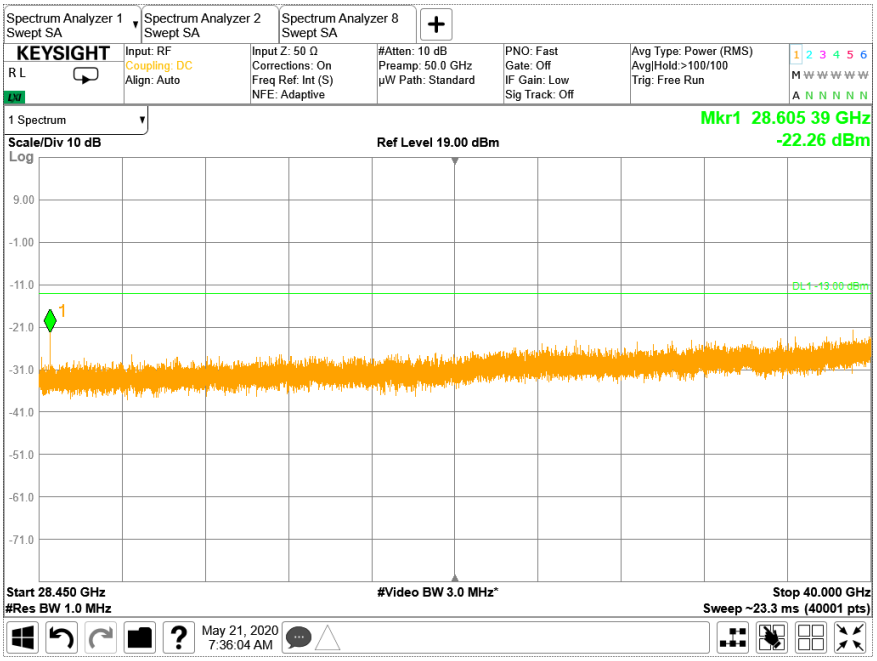
Ant 1 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor.

Ant 1 n261 BW 100MHz	 High Channel / Horizontal
Ant 1 n261 BW 100MHz	 High Channel / Vertical

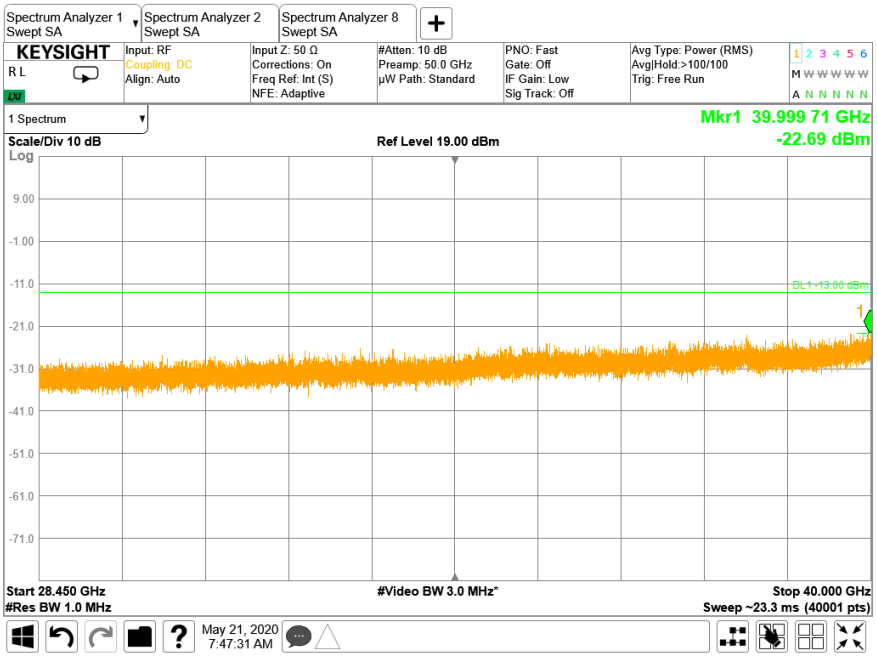
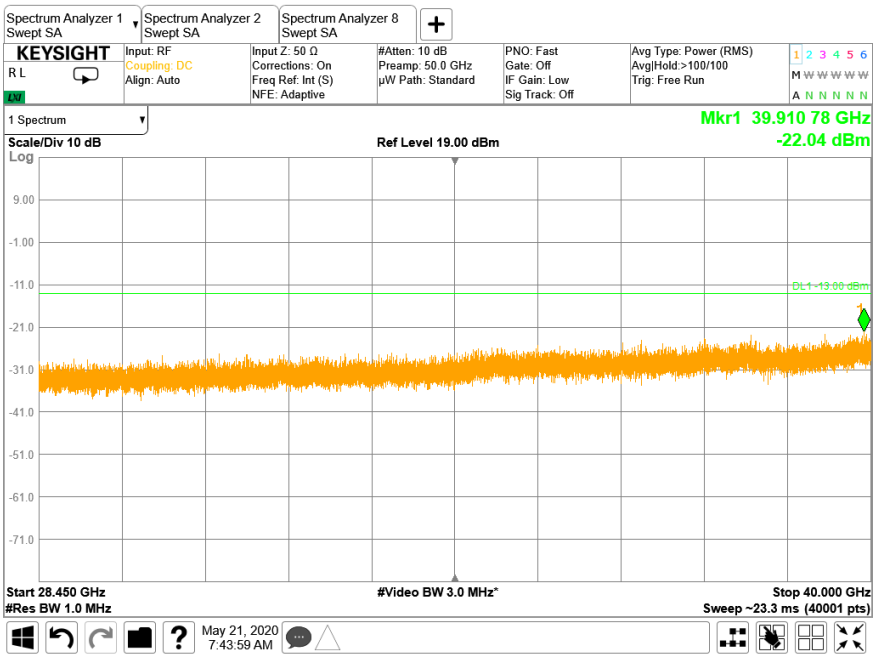
No emissions were detected above noise floor.

28.45 – 40 GHz Result

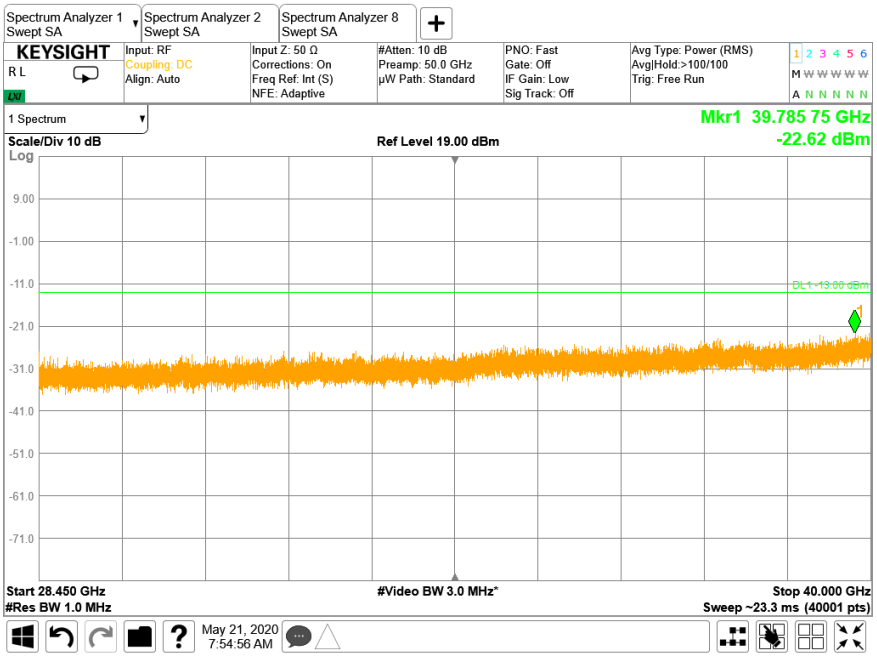
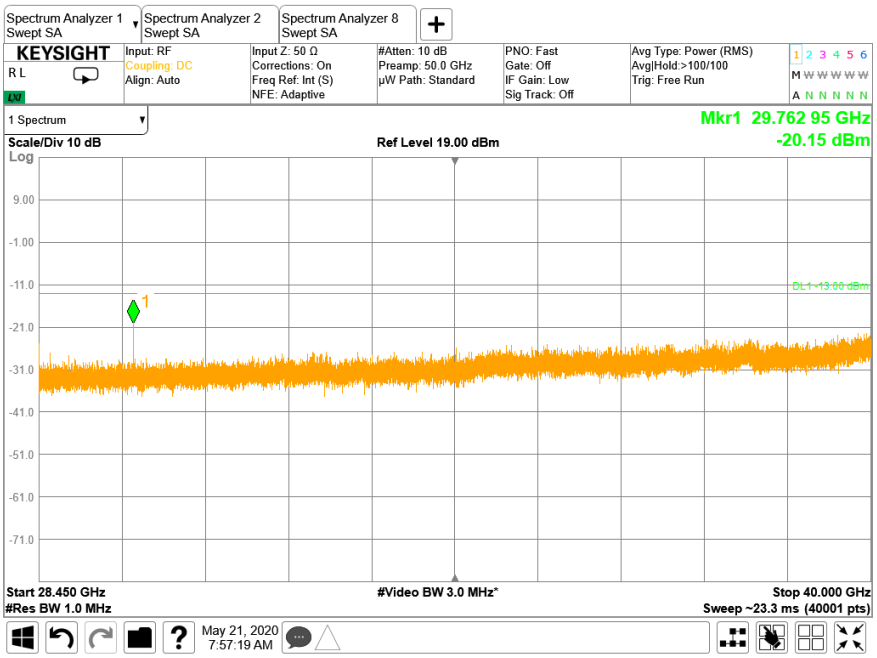
Ant 1 n261 BW 50MHz	 Low Channel / Horizontal
Ant 1 n261 BW 50MHz	 Low Channel / Vertical

Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
28605.49	50	MIMO	QPSK	H	56	22	-25.08	-13.00	-12.08
28605.59	50	MIMO	QPSK	V	172	54	-23.46	-13.00	-10.46

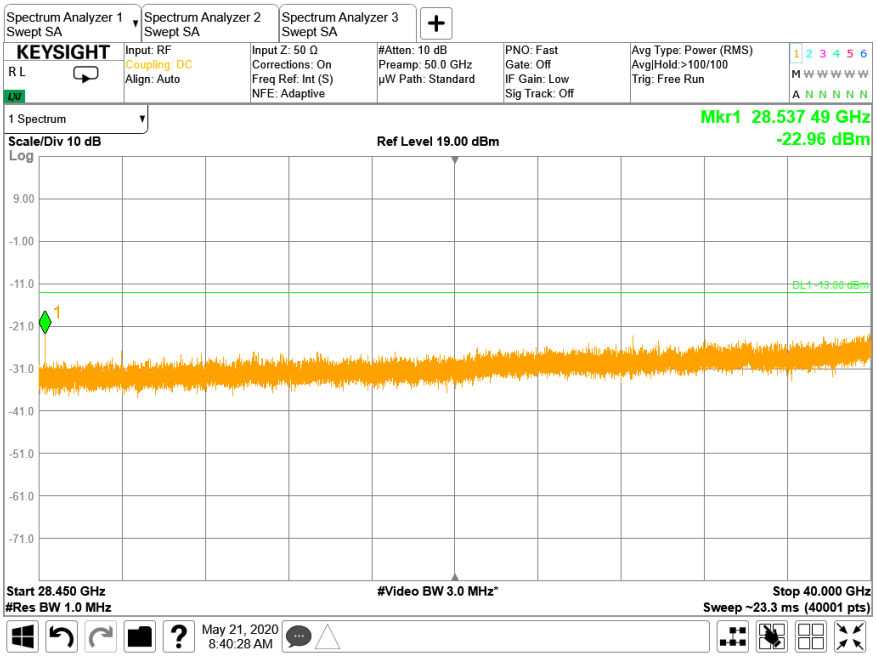
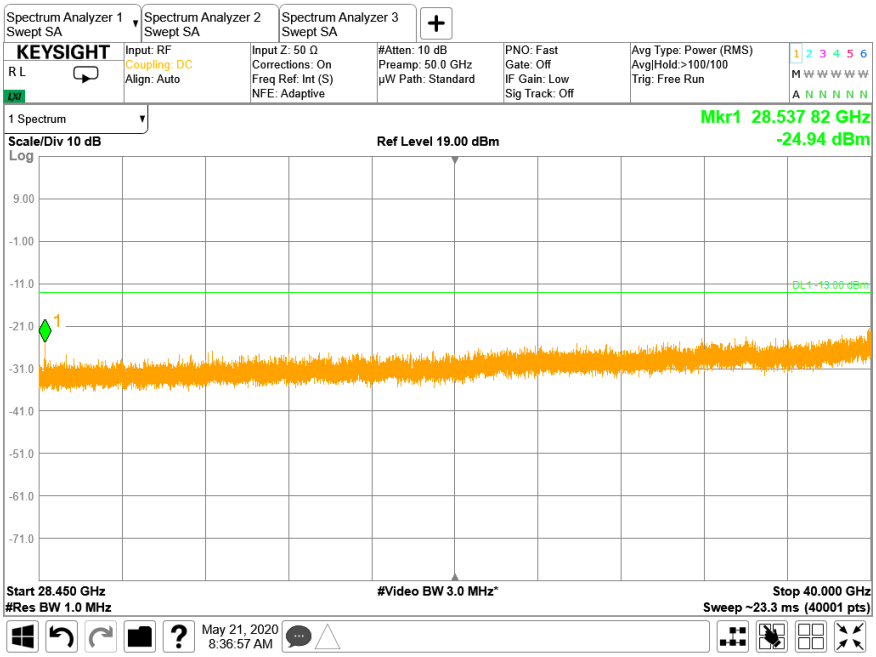
Ant 1 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor.

Ant 1 n261l BW 50MHz	 High Channel / Horizontal
Ant 1 n261 BW 50MHz	 High Channel / Vertical

Final Measurement Data Table

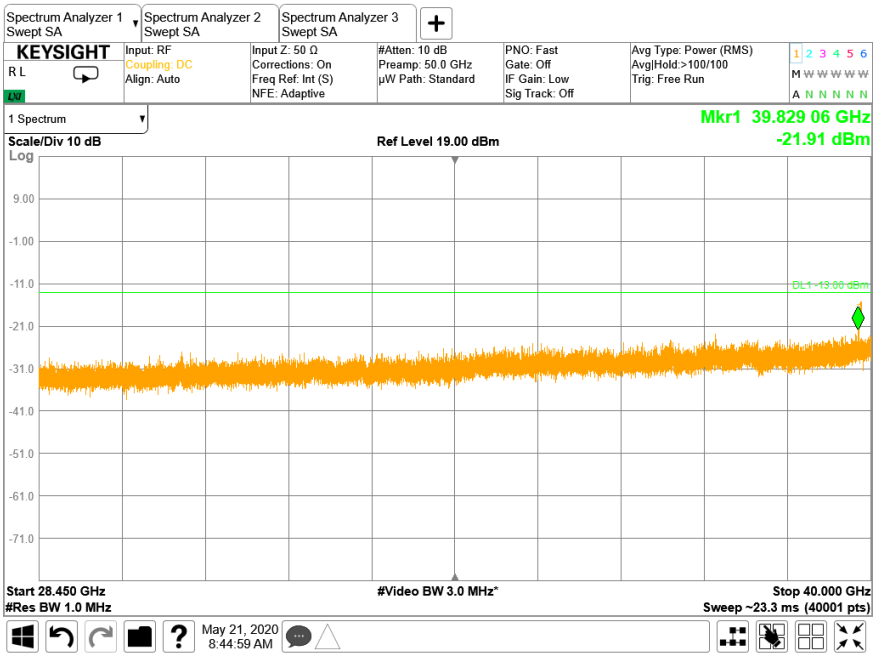
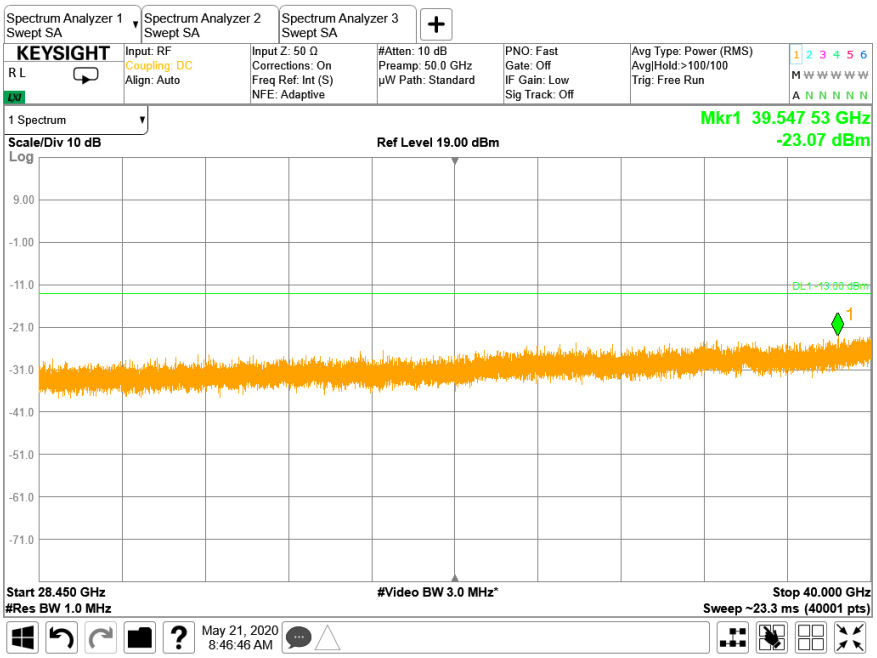
Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
29763.45	50	MIMO	QPSK	V	162	78	-22.62	-13.00	-9.62

Ant 1 n261 BW 100MHz	 Low Channel / Horizontal
Ant 1 n261 BW 100MHz	 Low Channel / Vertical

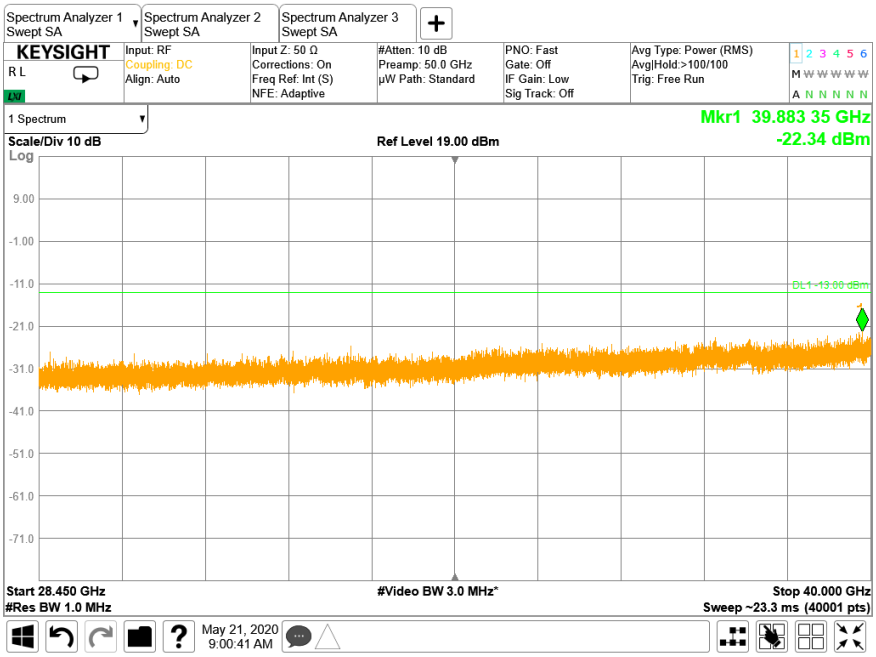
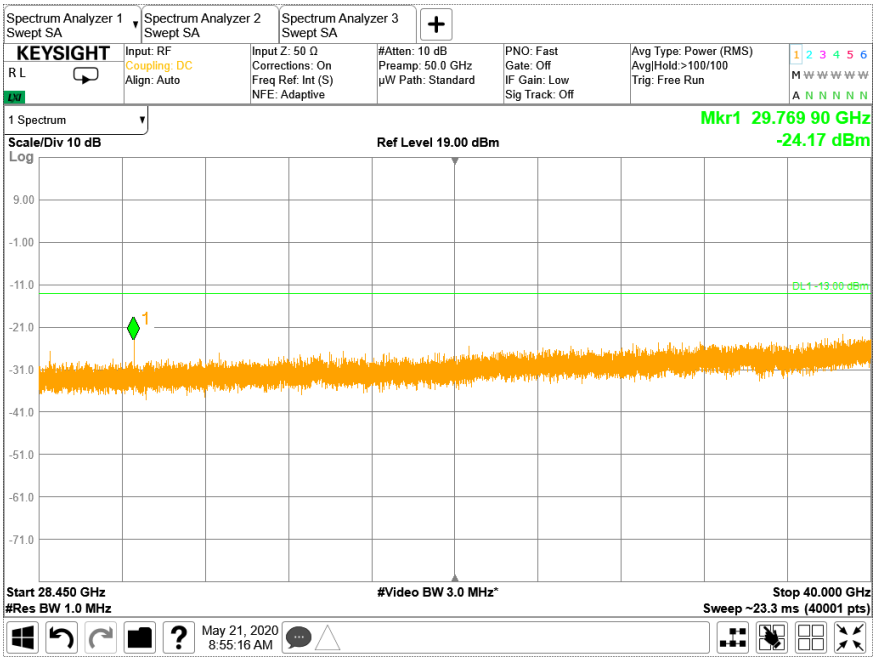
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
28537.44	100	MIMO	QPSK	H	53	26	-24.05	-13.00	-11.05
28537.61	100	MIMO	QPSK	V	171	45	-25.43	-13.00	-12.43

UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_30(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

Ant 1 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 100MHz	 Mid Channel / Vertical

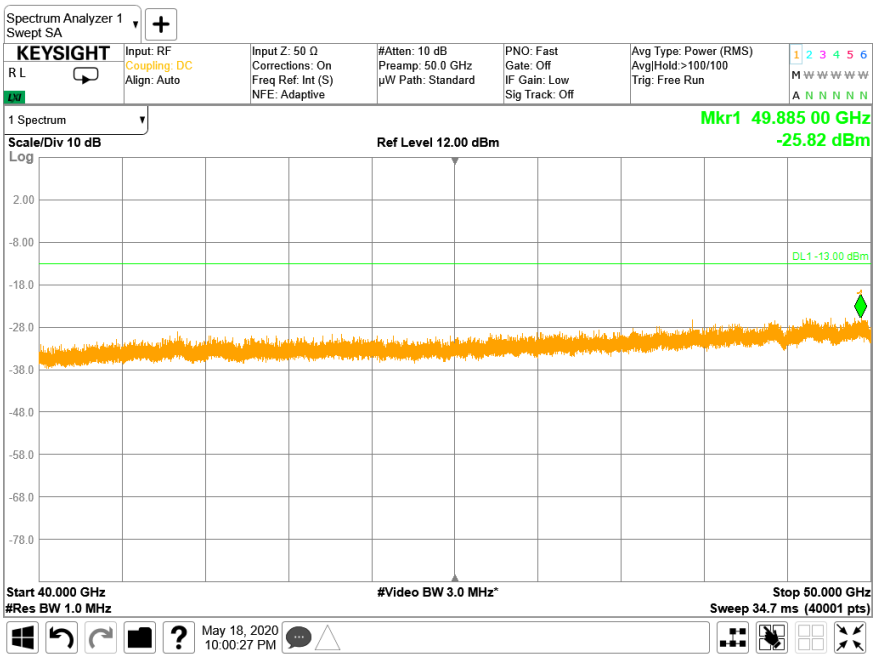
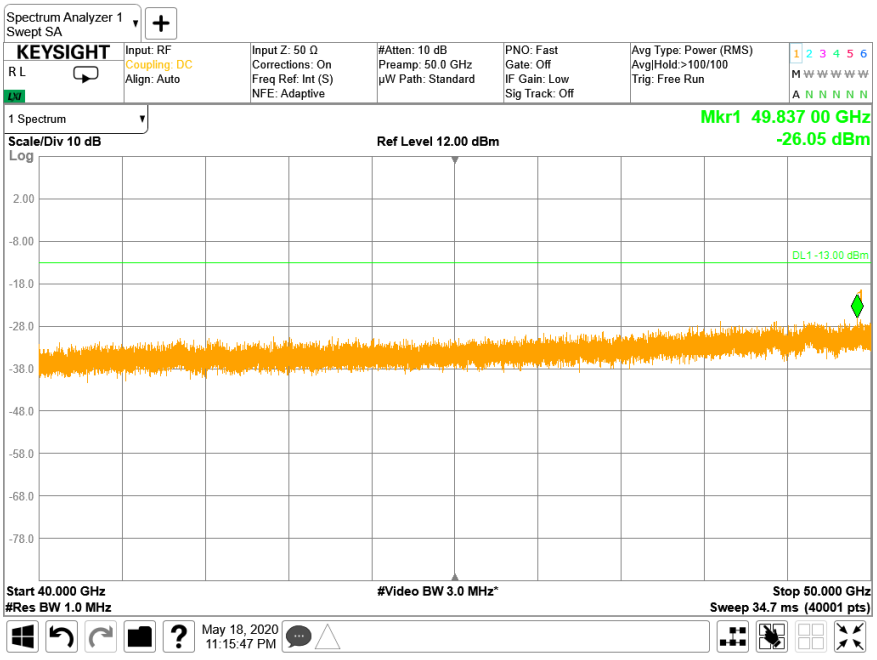
No emissions were detected above noise floor.

Ant 1 n261 BW 100MHz	 High Channel / Horizontal
Ant 1 n261 BW 100MHz	 High Channel / Vertical

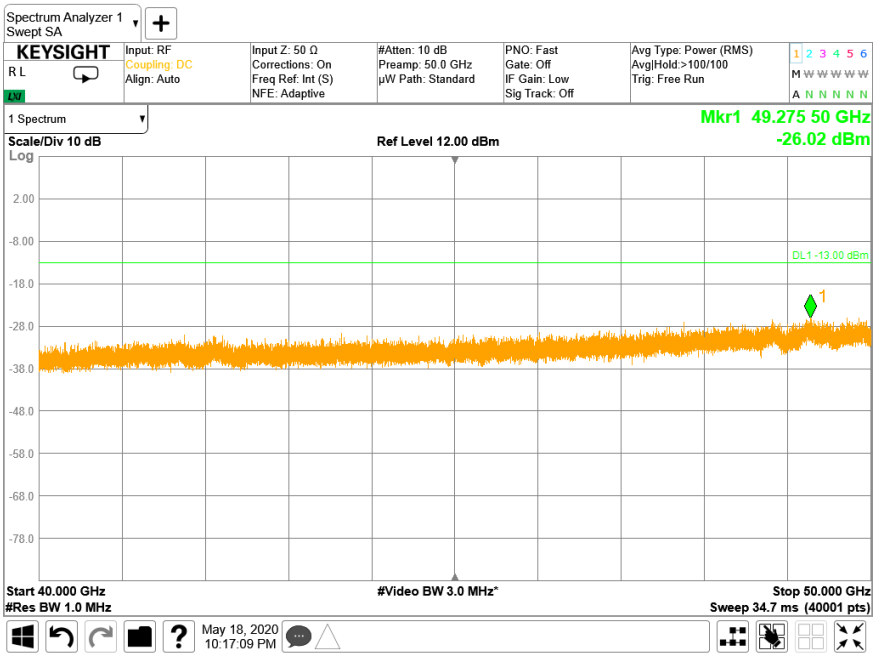
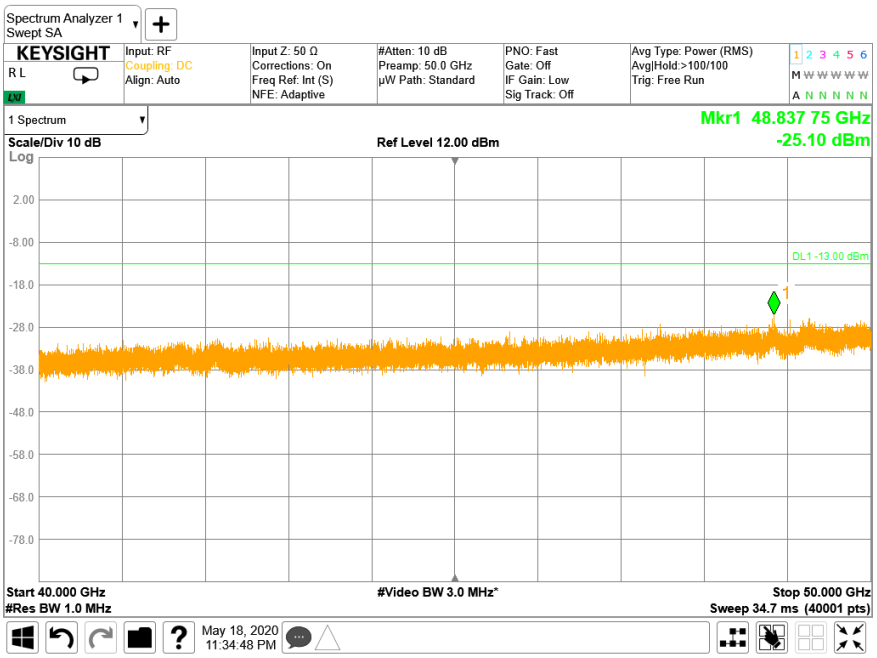
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
29769.38	50	MIMO	QPSK	V	97	72	-26.56	-13.00	-13.56

40 – 50 GHz Result

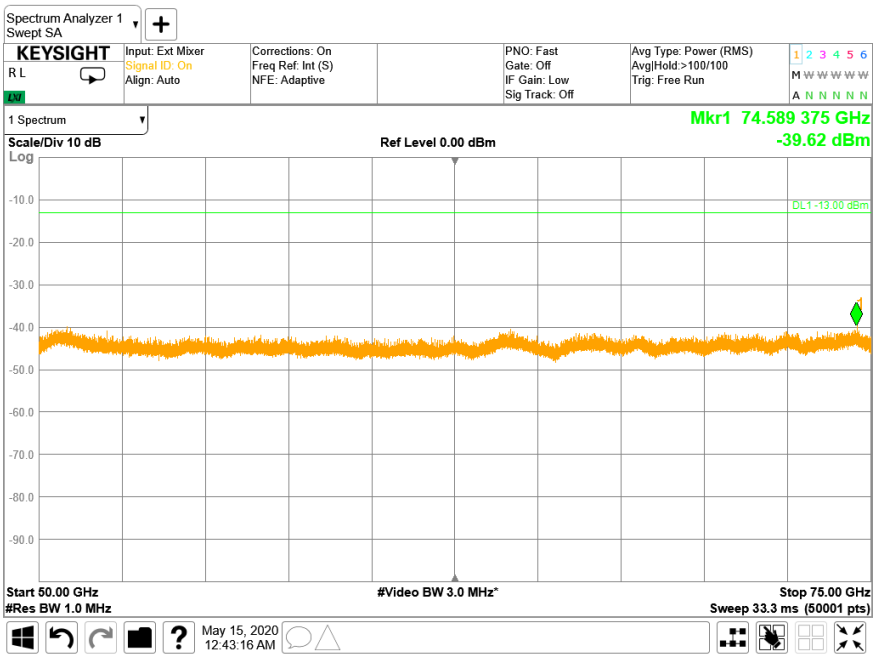
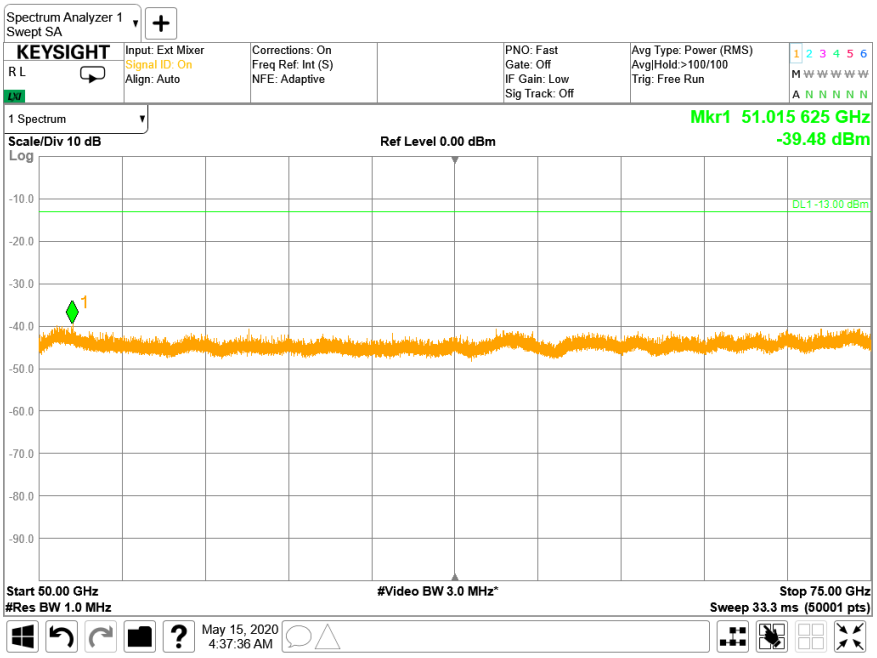
Ant 1 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

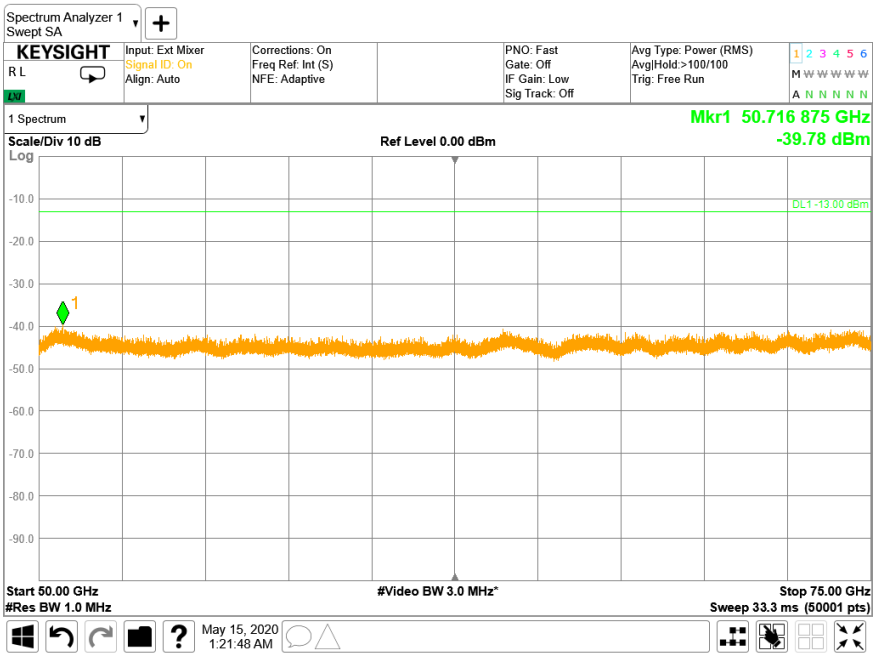
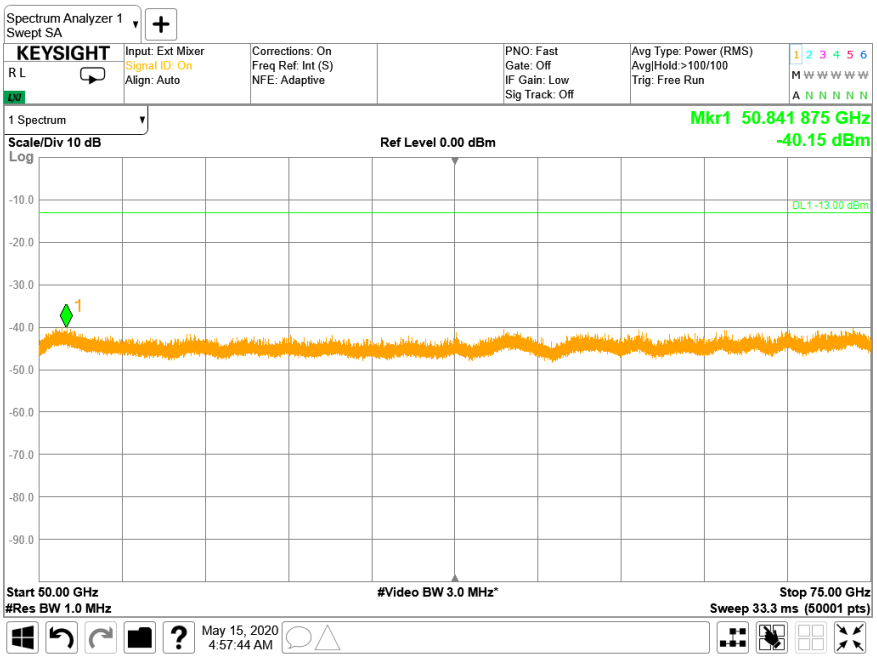
Ant 1 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

50 – 75 GHz Result

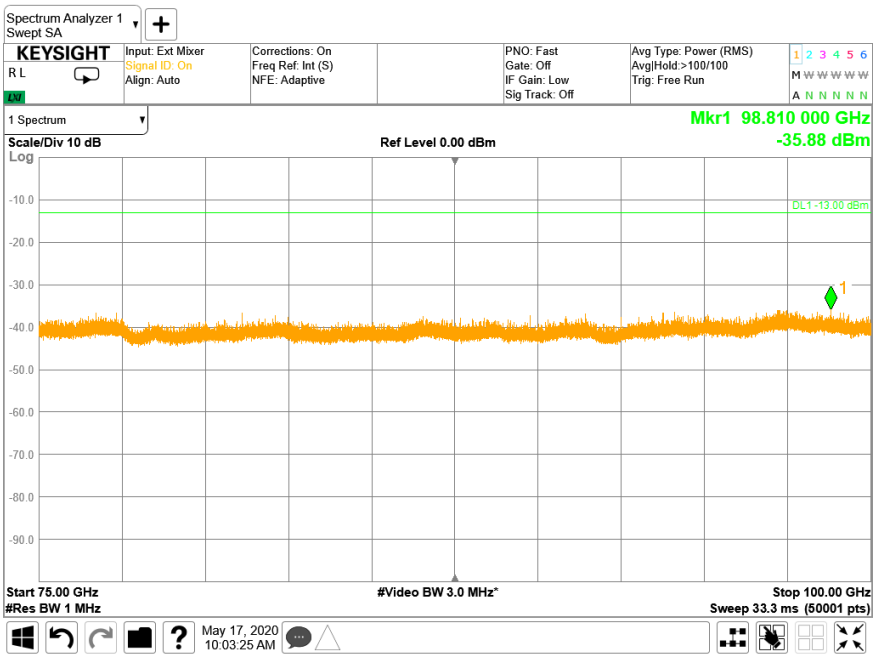
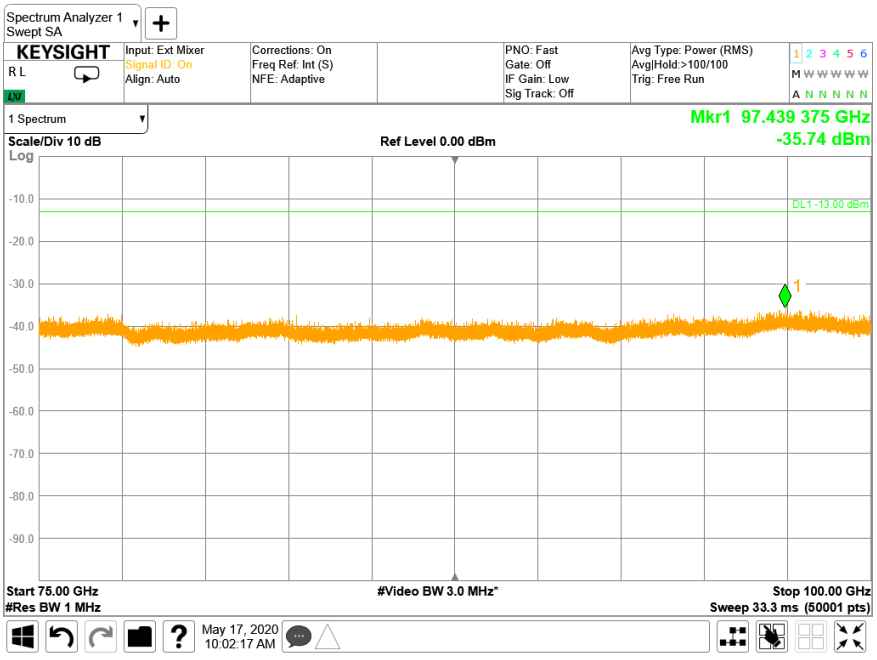
Ant 1 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

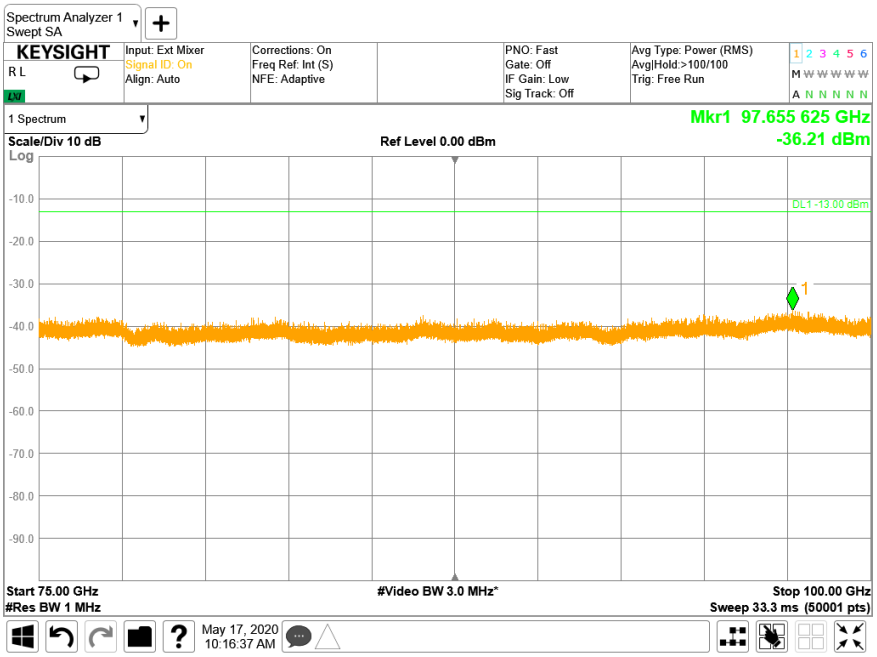
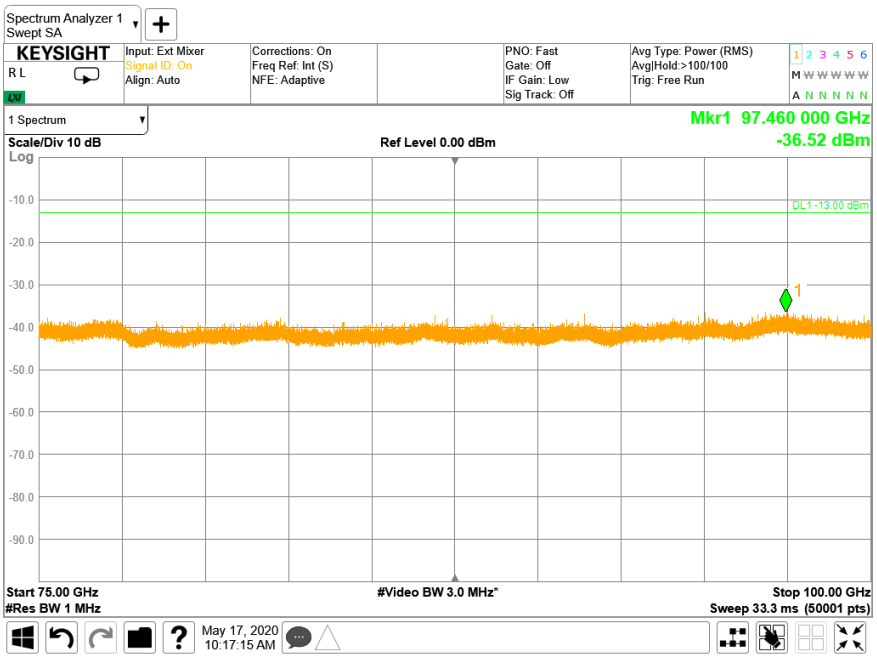
Ant 1 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

75 – 100 GHz Result

Ant 1 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 50MHz	 Mid Channel / Vertical

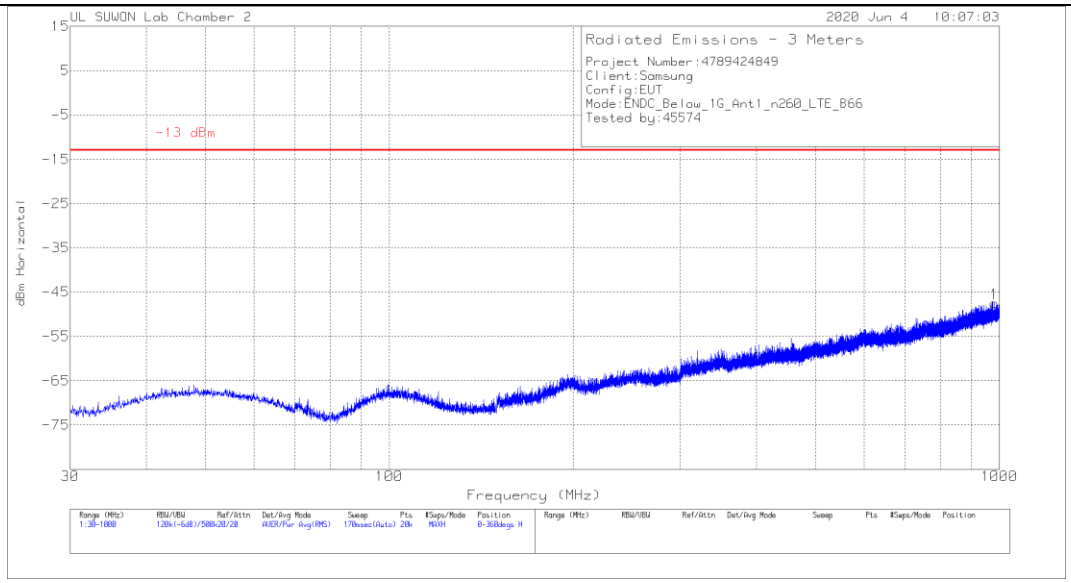
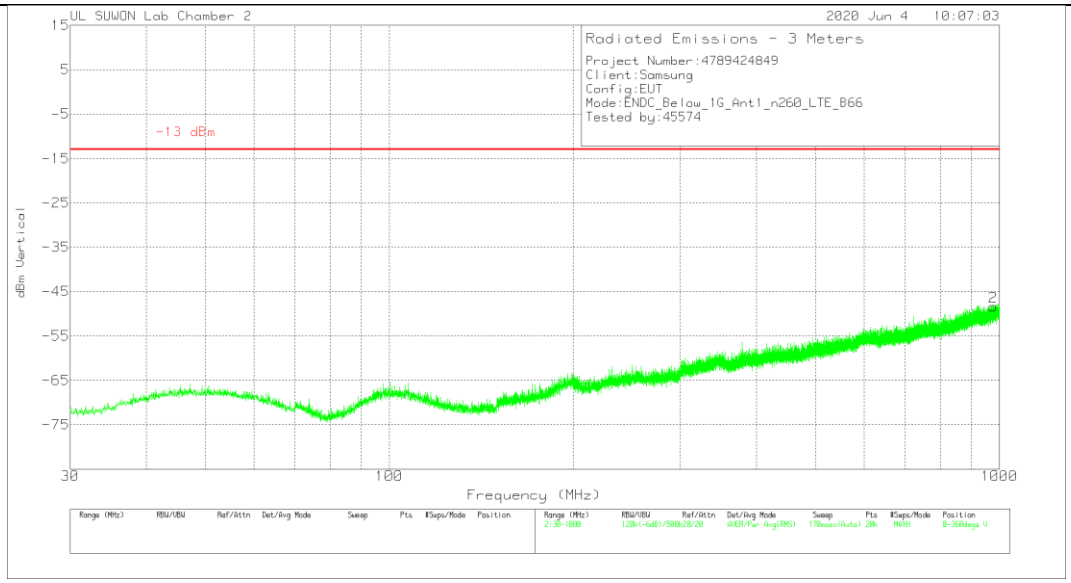
No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

Ant 1 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

Antenna 1 / n260

30 – 1000 MHz Result

Ant 1 n260	 Mid Channel / Horizontal
Ant 1 n260	 Mid Channel / Vertical

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	VULB9163_749	Below_1G[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	981.0458	-60.48	RMS	28.3	-27.2	11.8	-47.58	-13	-	0-360	300	H
2	976.584	-61.21	RMS	28.4	-27.4	11.8	-48.41	-13	-	0-360	400	V

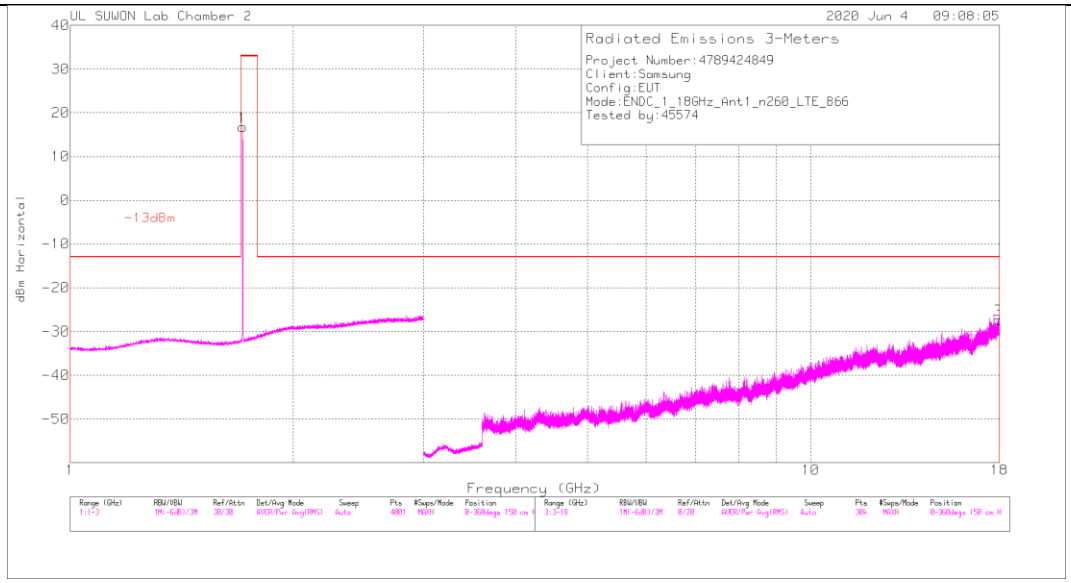
RMS - RMS detection

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

1 – 18 GHz Result

Ant 1

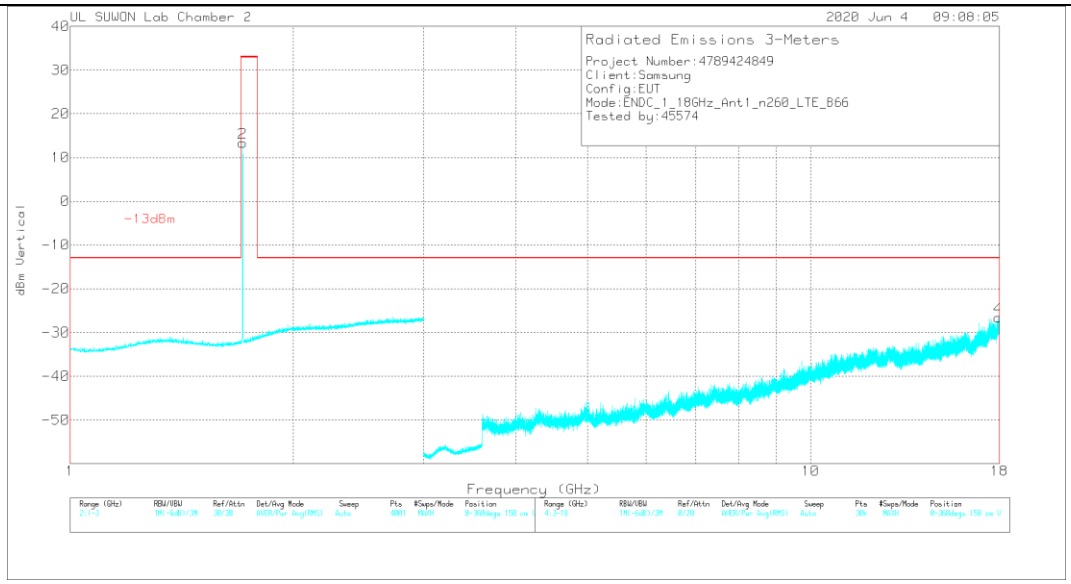
n260



Mid Channel / Horizontal

Ant 1

n260



Mid Channel / Vertical

Trace Markers

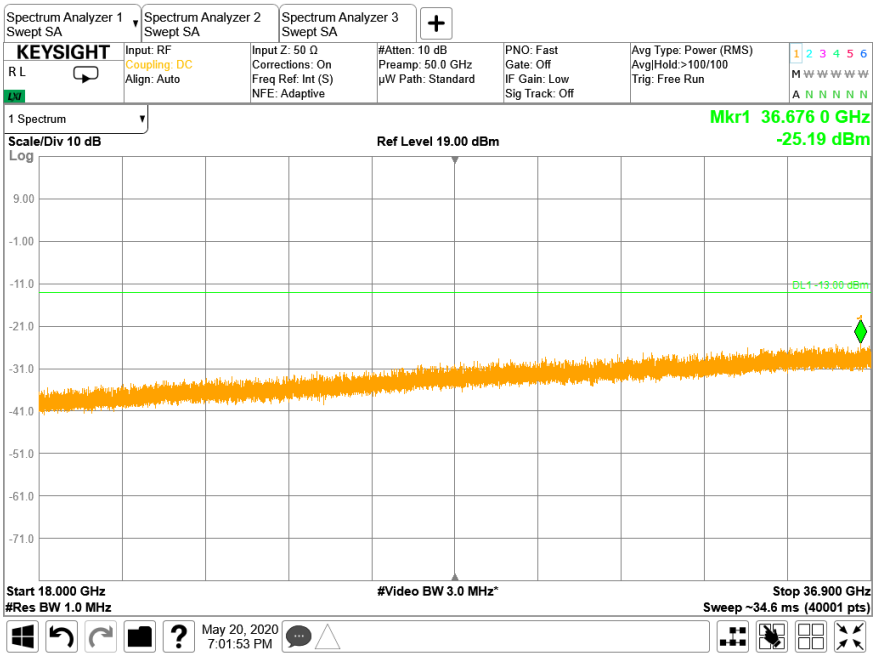
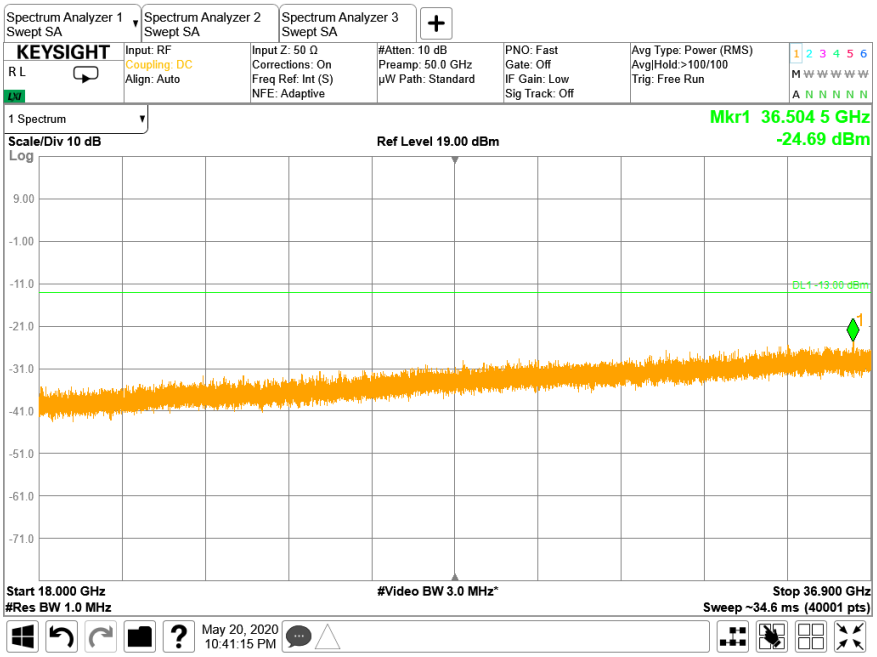
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
**1	1.71	-2.43	RMS	28.8	-21.4	11.8	16.77	33	-16.23	0-360	150	H
**2	1.71	-5.88	RMS	28.8	-21.4	11.8	13.32	33	-19.68	0-360	150	V

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	3GHz_HP[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	17.94999	-64.2	RMS	41.7	-16.6	11.8	-27.3	-13	-14.3	0-360	150	H
4	17.94149	-63.36	RMS	41.7	-16.7	11.8	-26.56	-13	-13.56	0-360	150	V

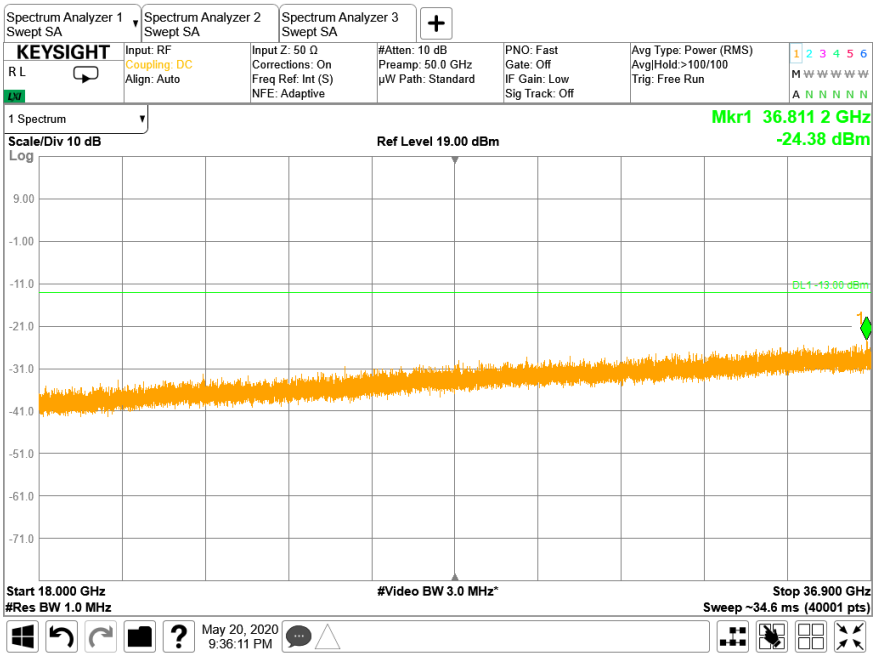
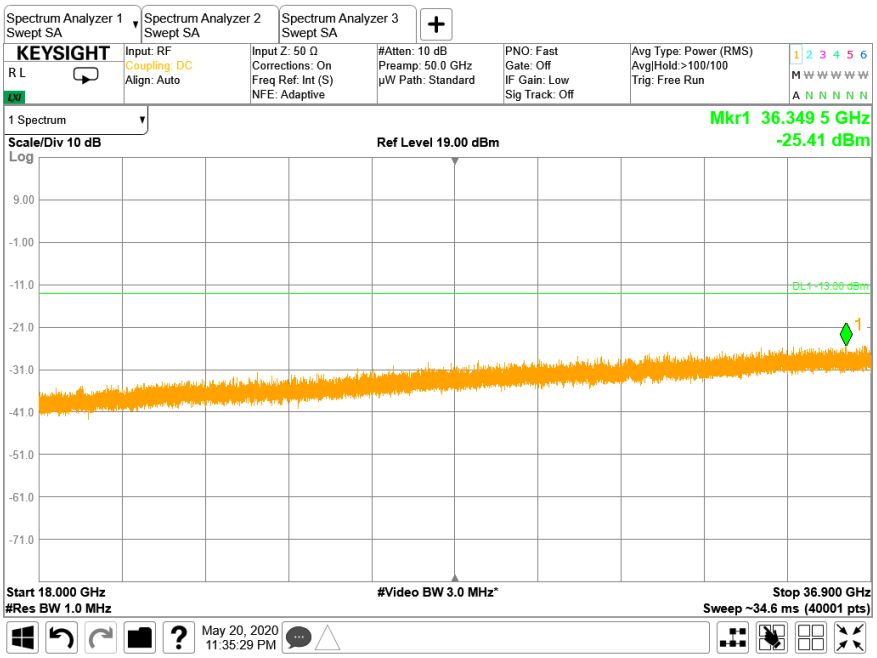
RMS - RMS detection

** 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 noise floor this antenna and band. Thus reported mid channel data.

18 – 36.9 GHz Result

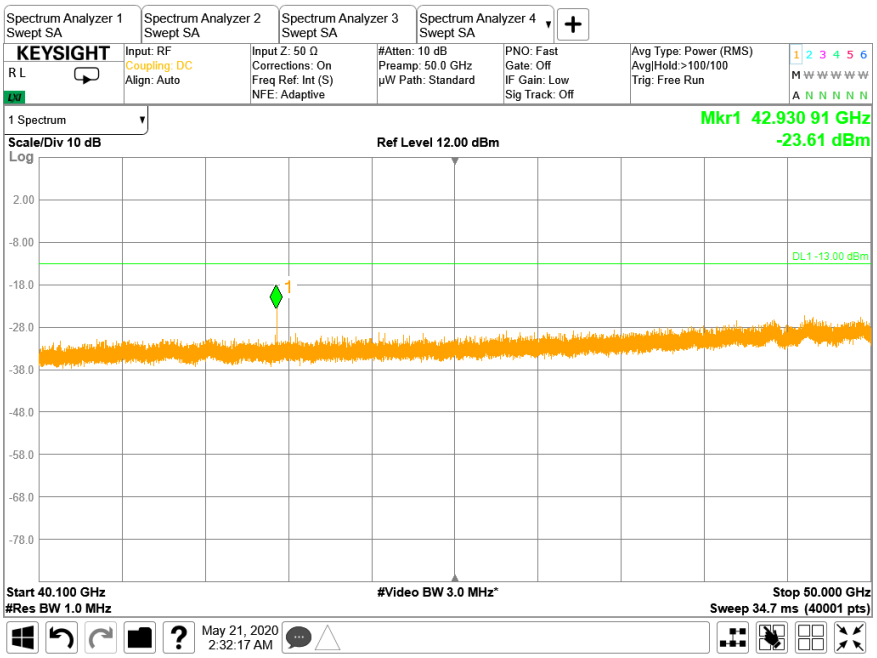
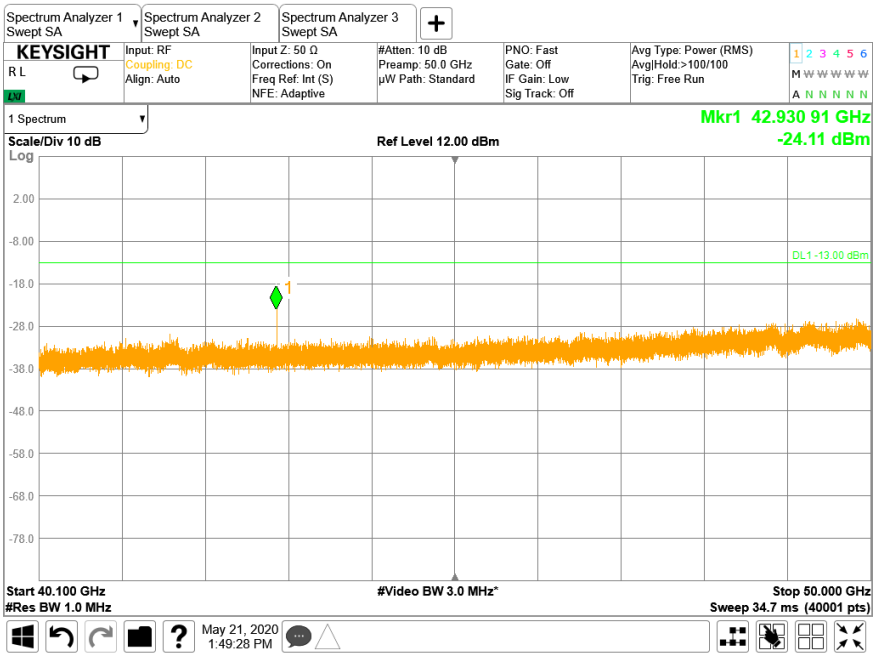
Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

Ant 1 n260 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

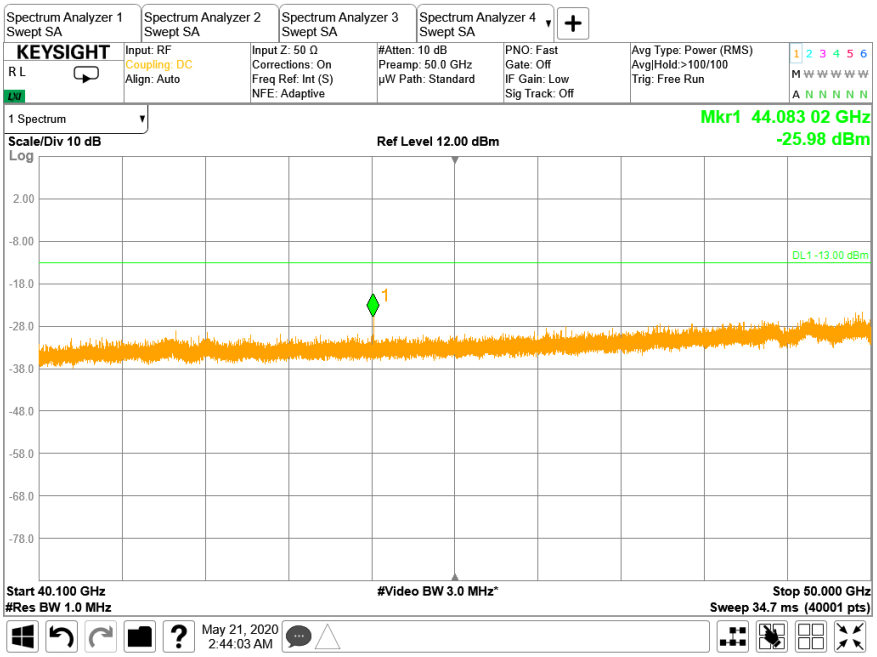
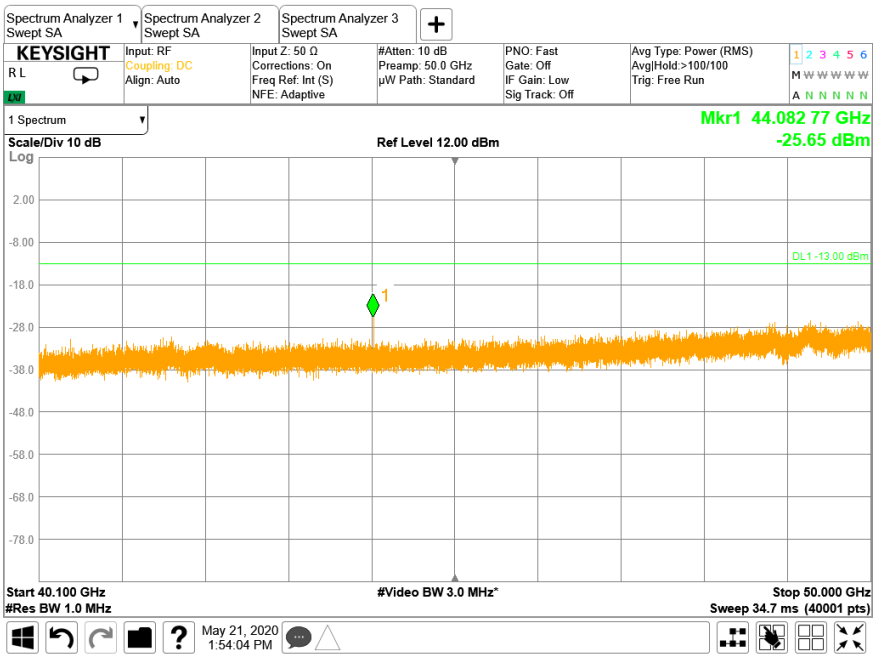
No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

40.1 – 50 GHz Result

Ant 1 n260 BW 50MHz	 Low Channel / Horizontal
Ant 1 n260 BW 50MHz	 Low Channel / Vertical

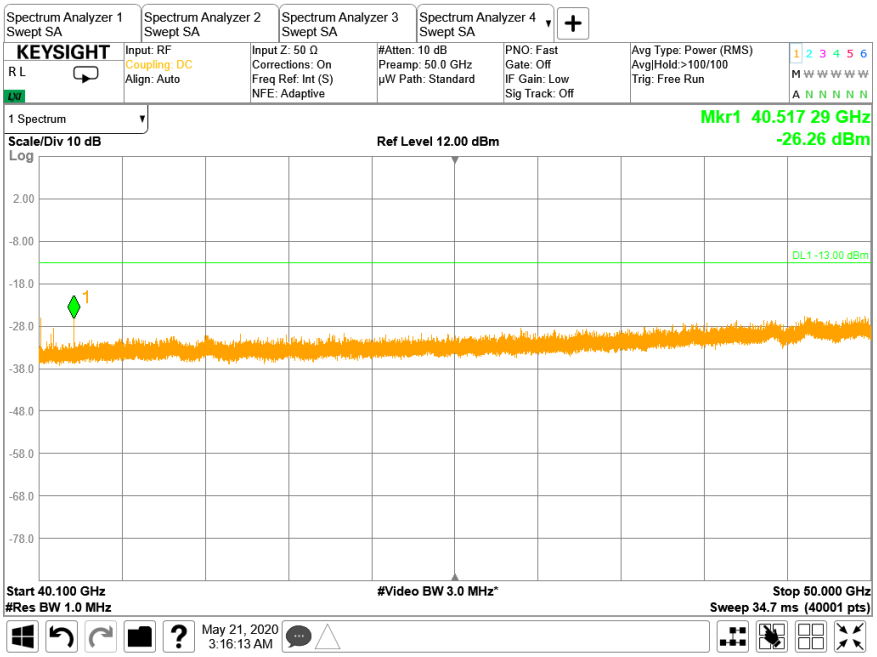
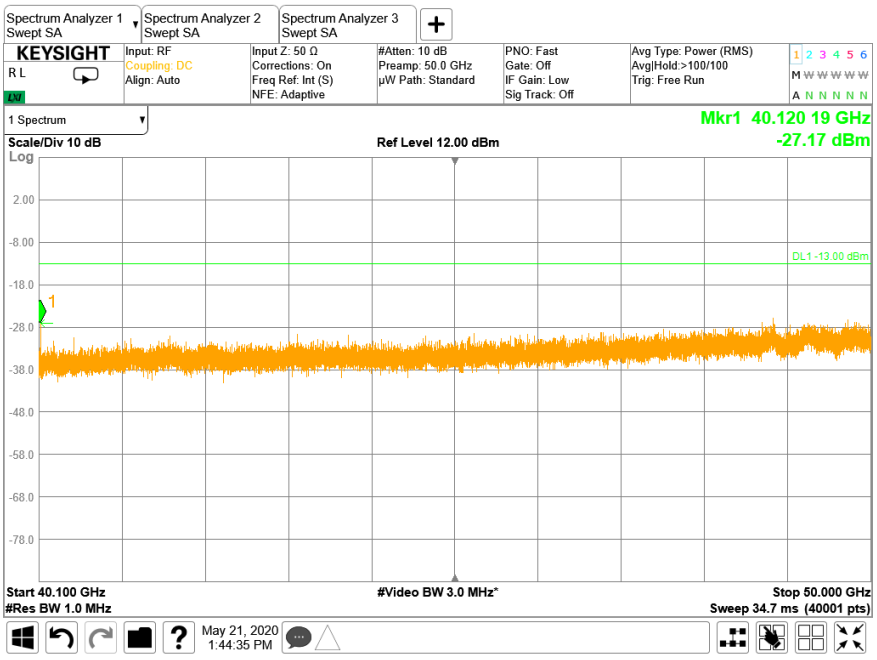
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
42930.98	50	MIMO	QPSK	H	127	83	-25.29	-13.00	-12.29
42931.03	50	MIMO	QPSK	V	76	8	-24.96	-13.00	-11.96

Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

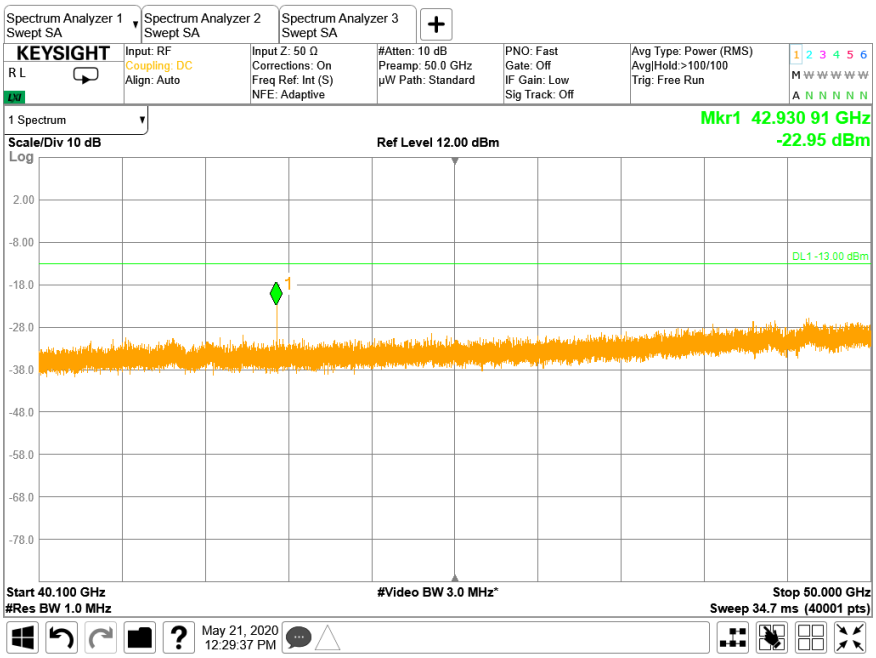
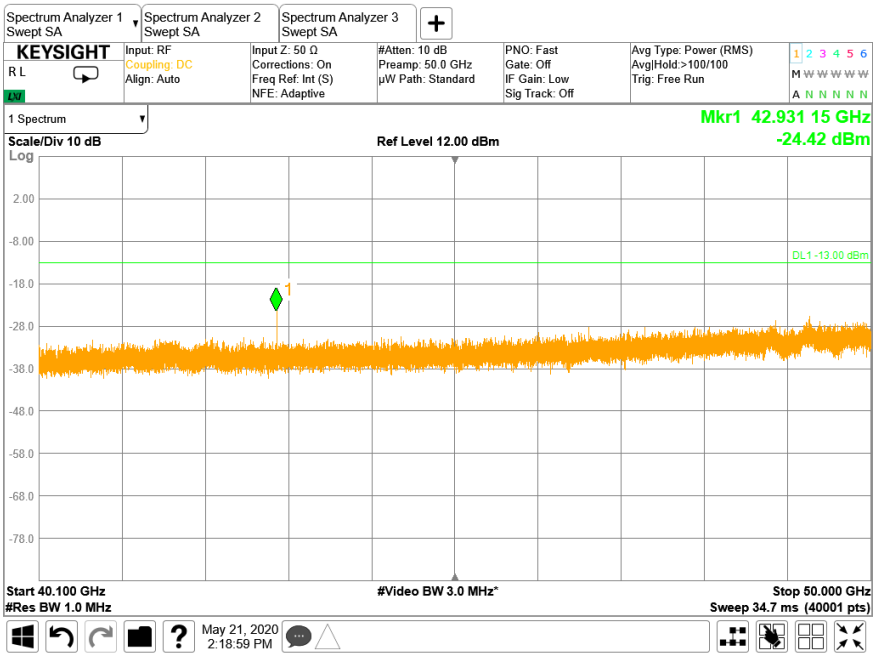
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
44083.03	50	MIMO	QPSK	H	125	60	-28.24	-13.00	-15.24
44082.91	50	MIMO	QPSK	V	77	22	-27.47	-13.00	-14.47

Ant 1 n260 BW 50MHz	 High Channel / Horizontal
Ant 1 n260 BW 50MHz	 High Channel / Vertical

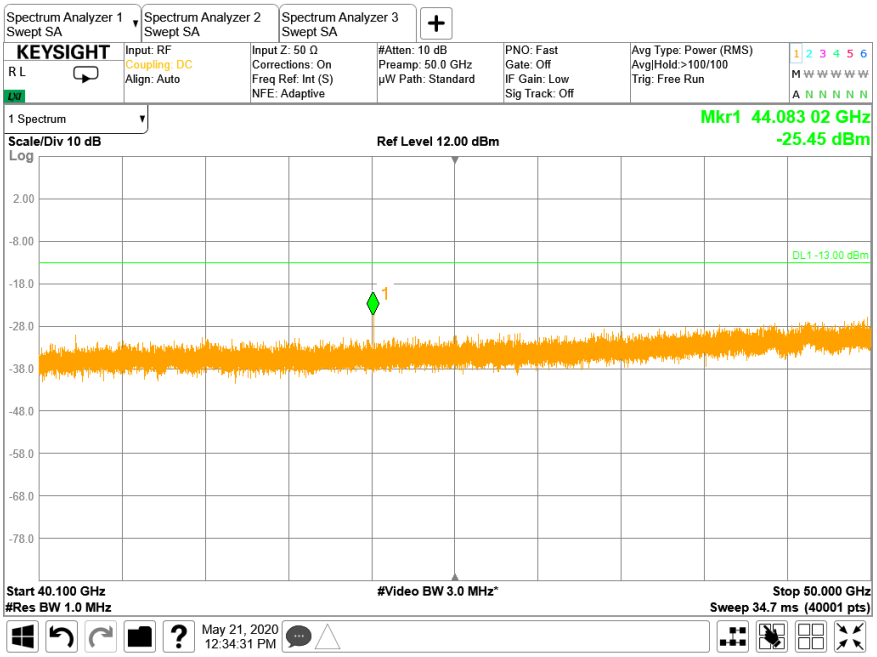
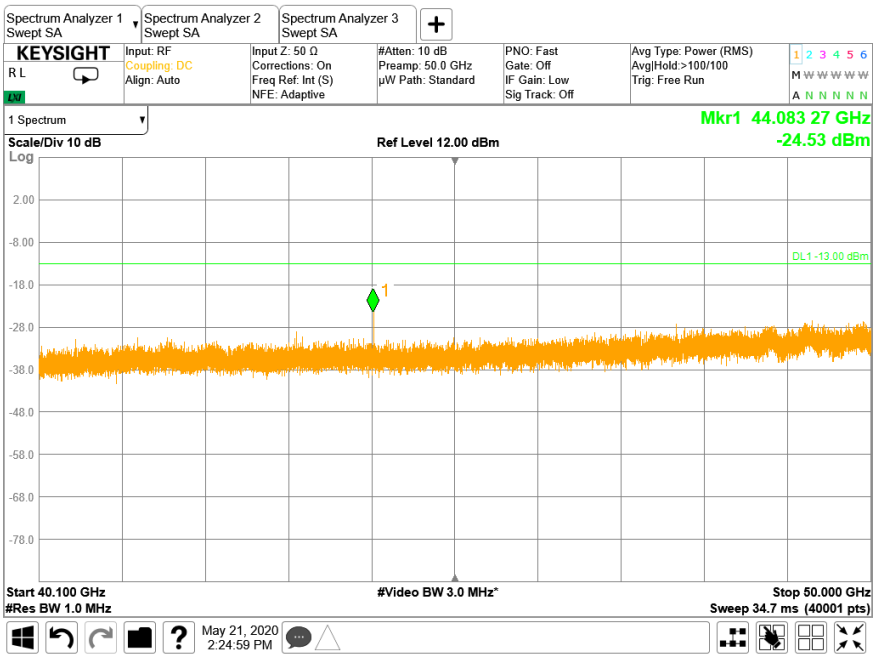
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
40517.03	50	MIMO	QPSK	H	112	55	-30.21	-13.00	-17.21
40120.08	50	MIMO	QPSK	V	79	25	-29.68	-13.00	-16.68

Ant 1 n260 BW 100MHz	 Low Channel / Horizontal
Ant 1 n260 BW 100MHz	 Low Channel / Vertical

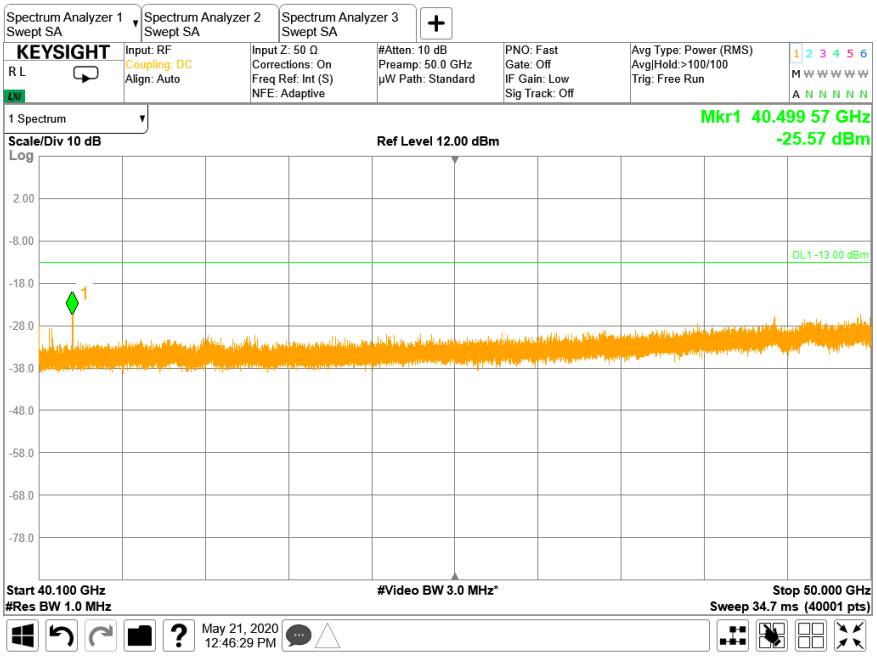
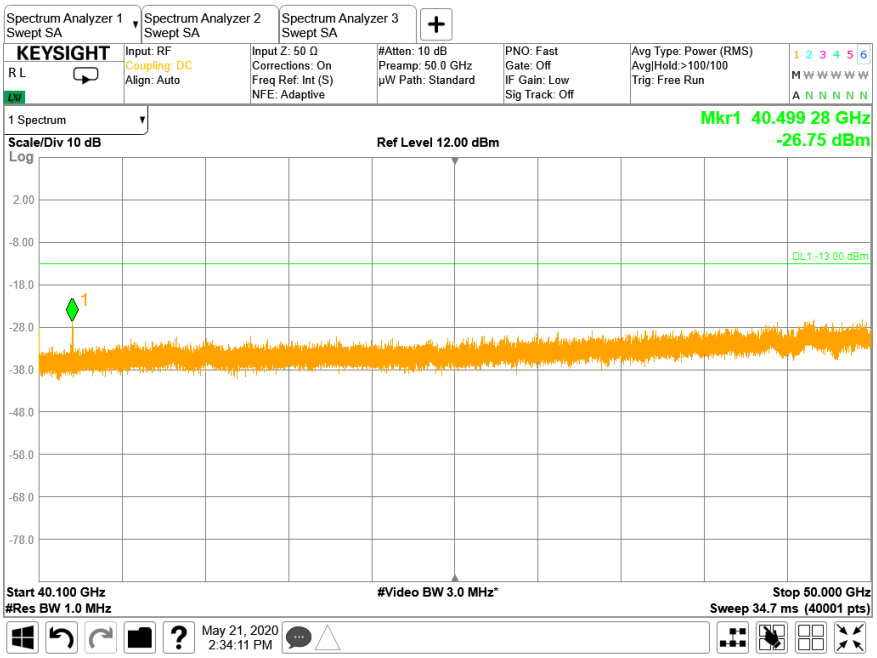
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
42931.03	100	MIMO	QPSK	H	139	70	-23.52	-13.00	-10.52
42931.01	100	MIMO	QPSK	V	73	11	-24.45	-13.00	-11.45

Ant 1 n260 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

Final Measurement Data Table

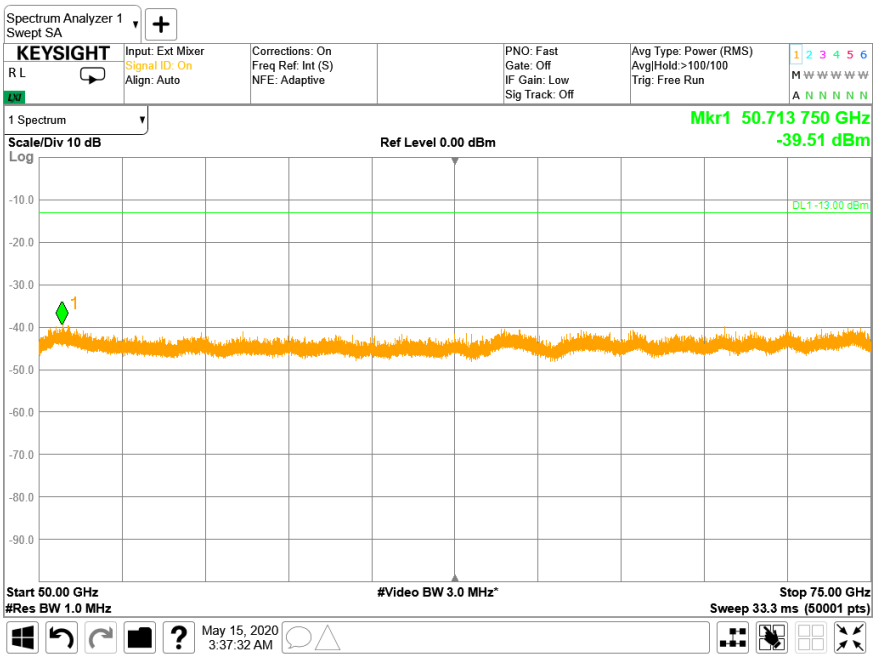
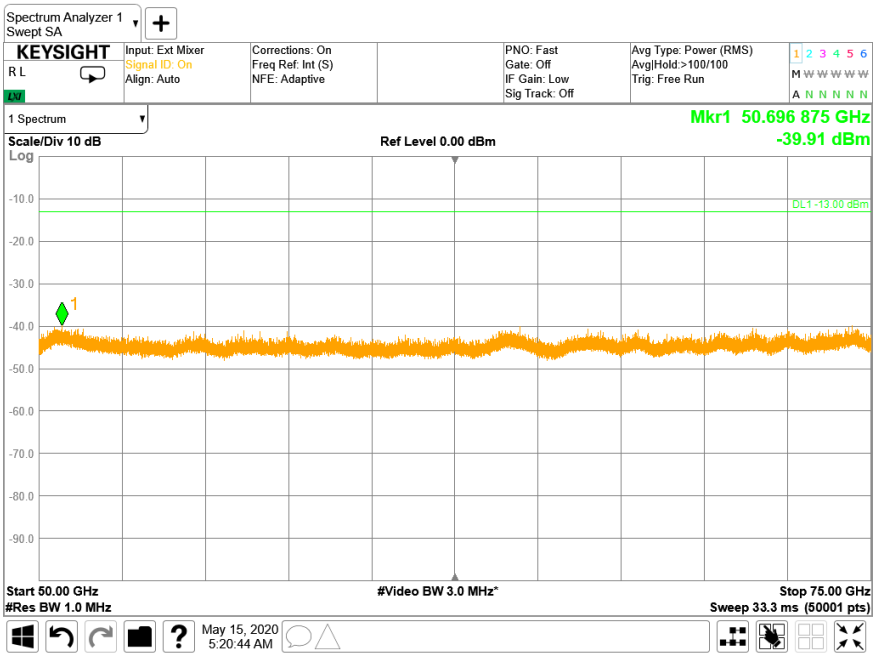
Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
44082.98	100	MIMO	QPSK	H	120	87	-27.34	-13.00	-14.34
44083.03	100	MIMO	QPSK	V	75	8	-27.23	-13.00	-14.23

Ant 1 n260 BW 100MHz	 High Channel / Horizontal
Ant 1 n260 BW 100MHz	 High Channel / Vertical

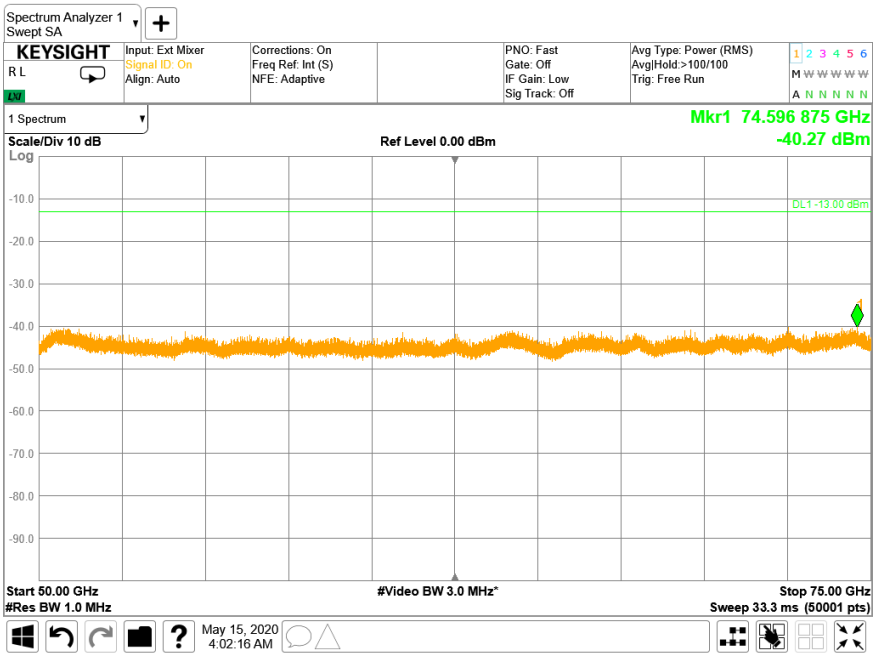
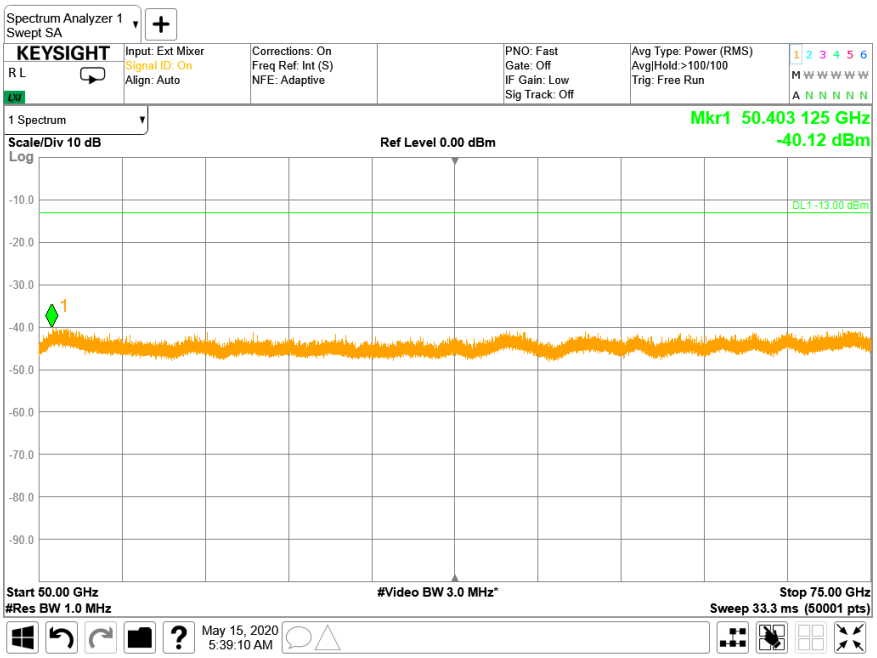
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
40499.36	100	MIMO	QPSK	H	128	66	-29.53	-13.00	-16.53
40499.31	100	MIMO	QPSK	V	76	11	-30.45	-13.00	-17.45

50 – 75 GHz Result

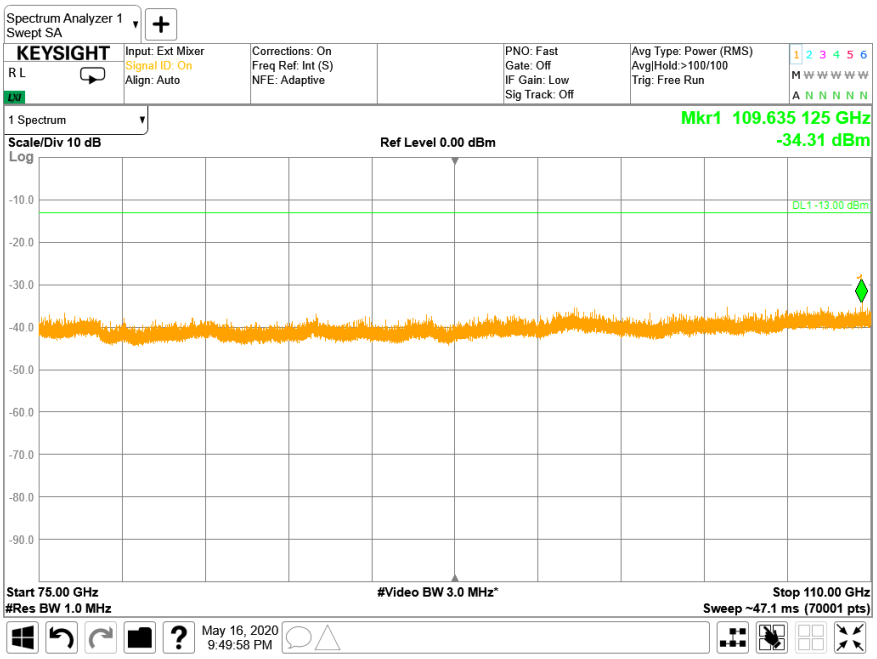
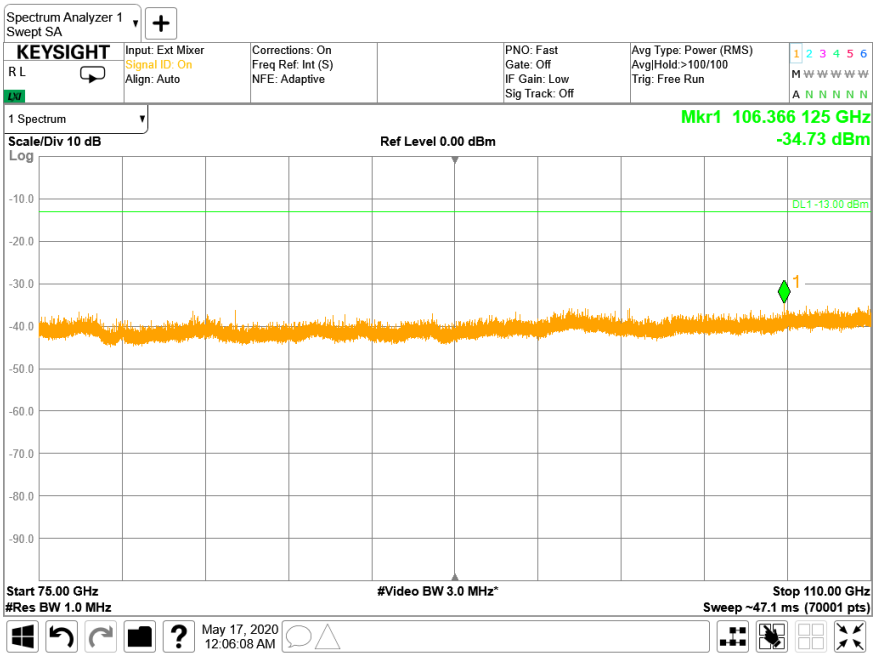
Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

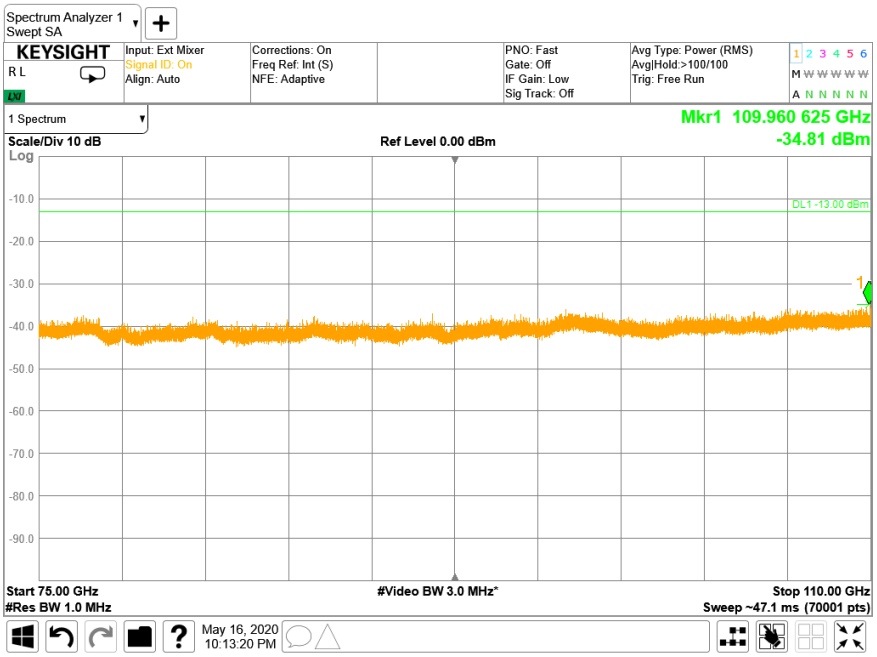
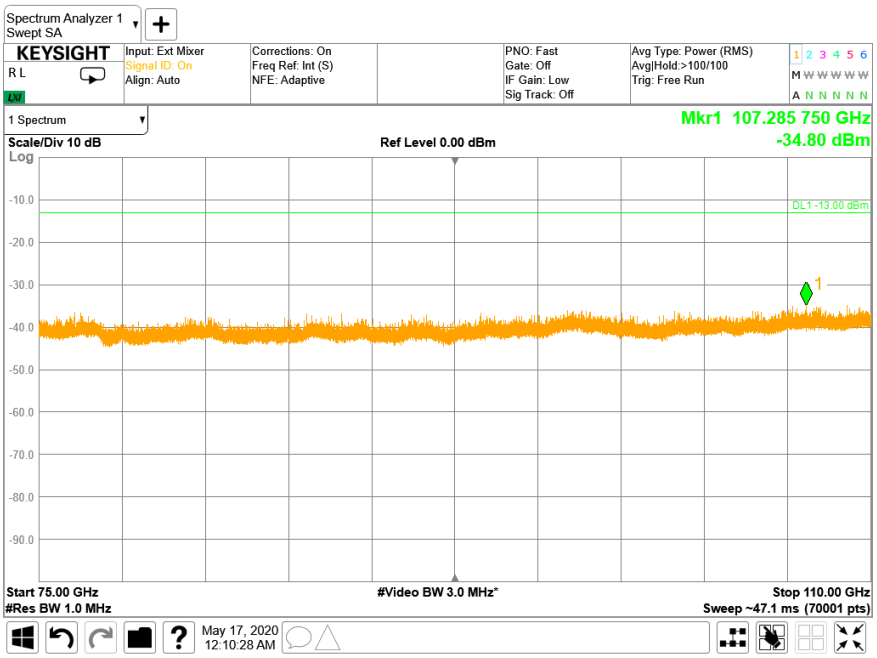
Ant 1 n260 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

75 – 110 GHz Result

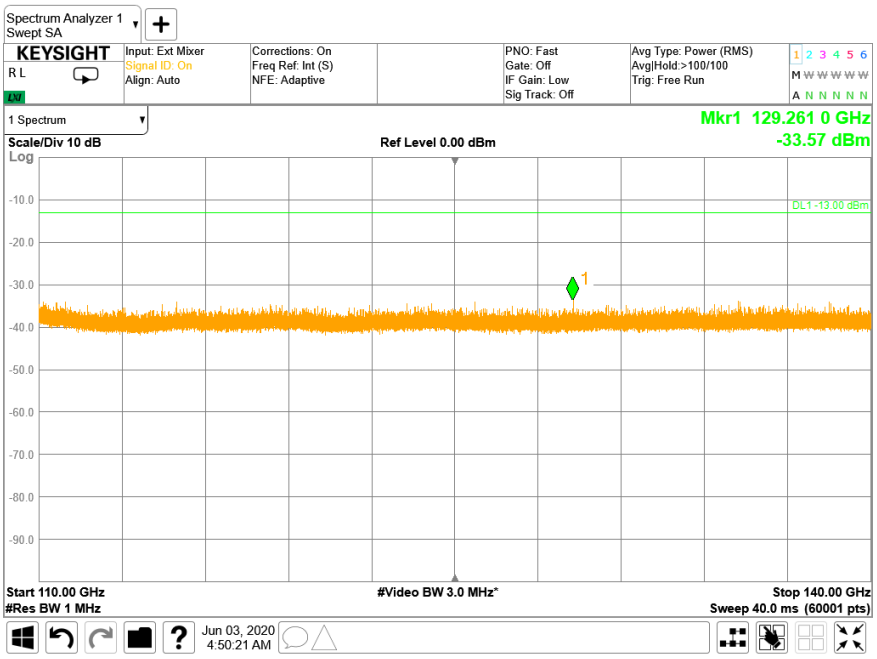
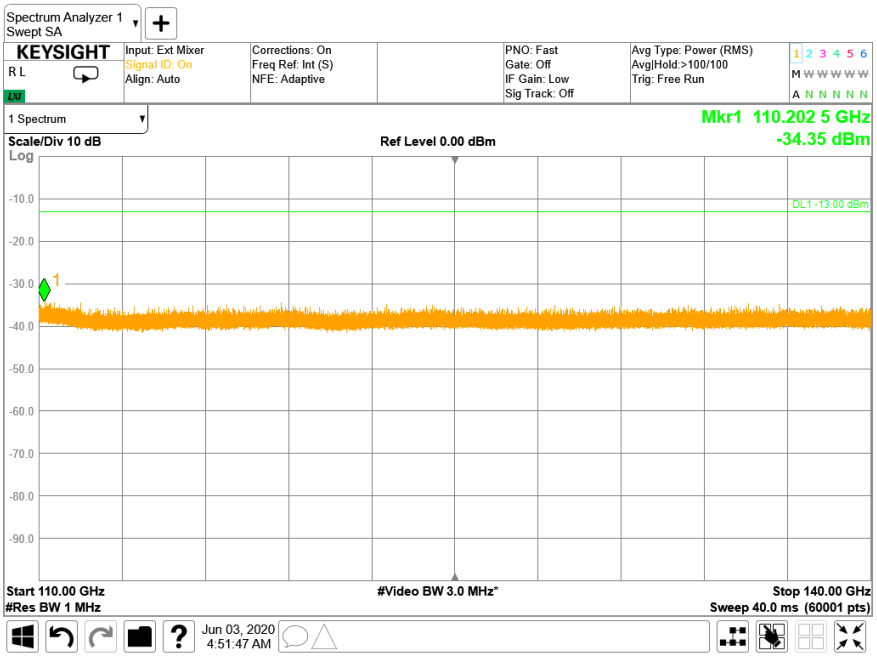
Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

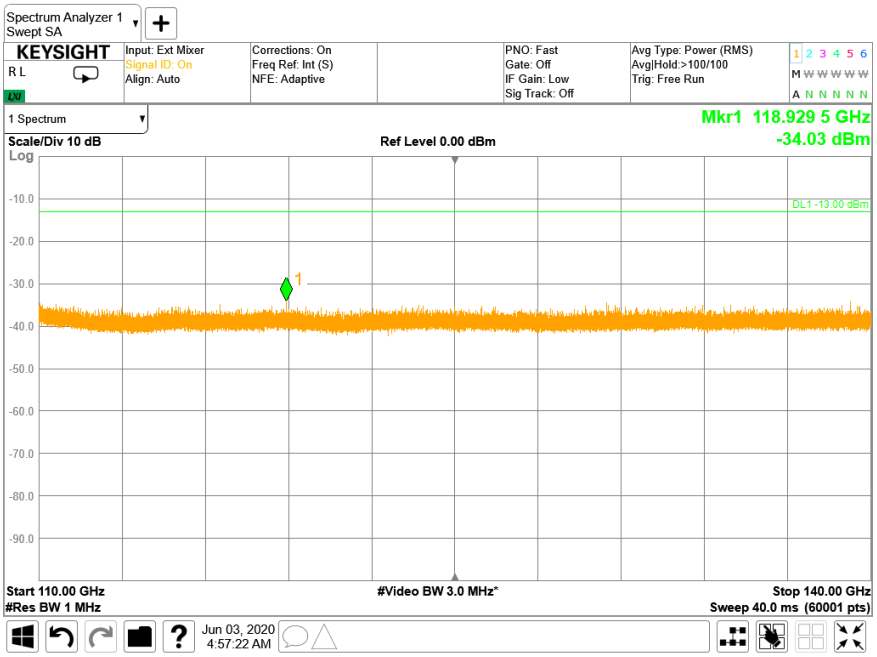
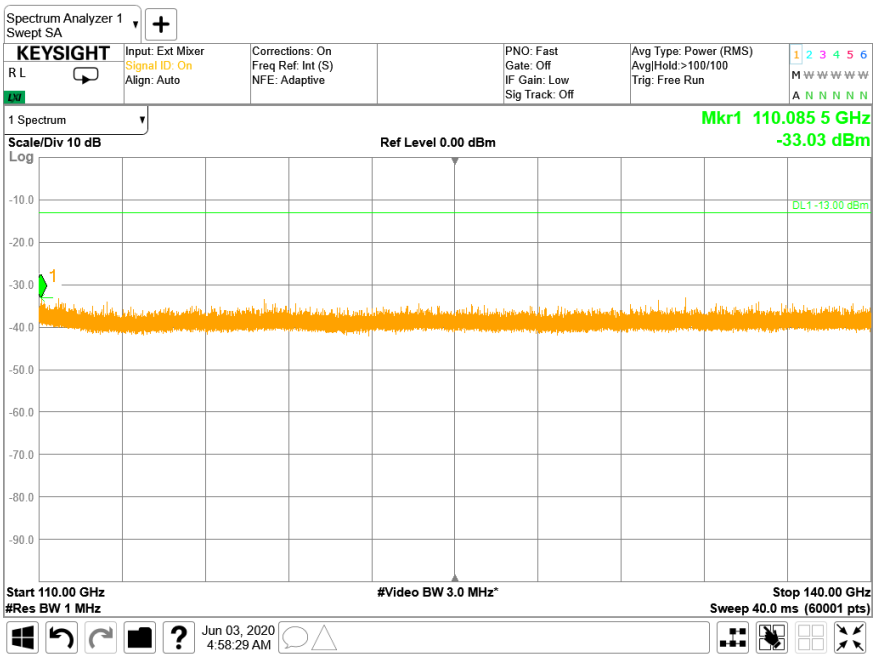
Ant 1 n260l BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

110 – 140 GHz Result

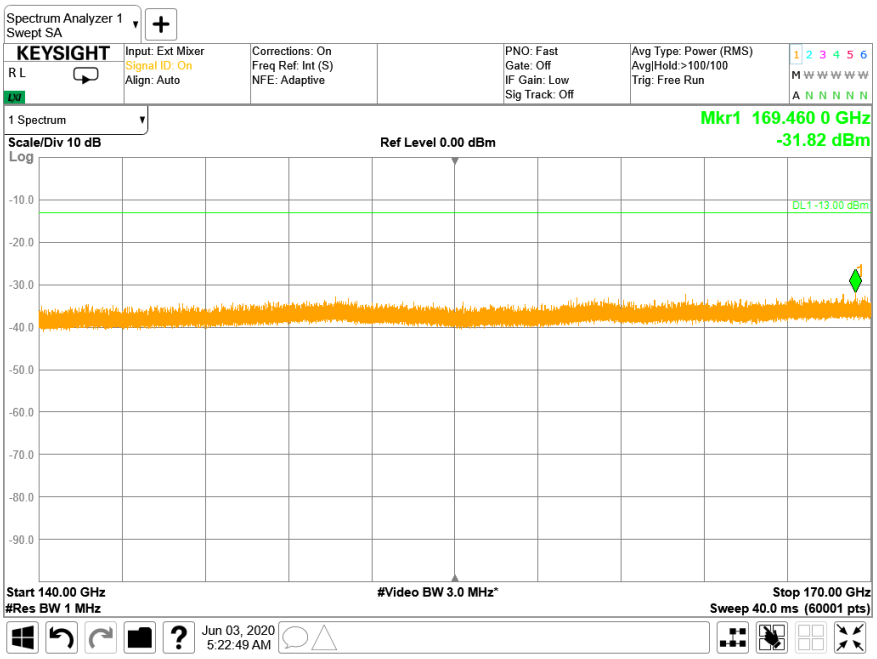
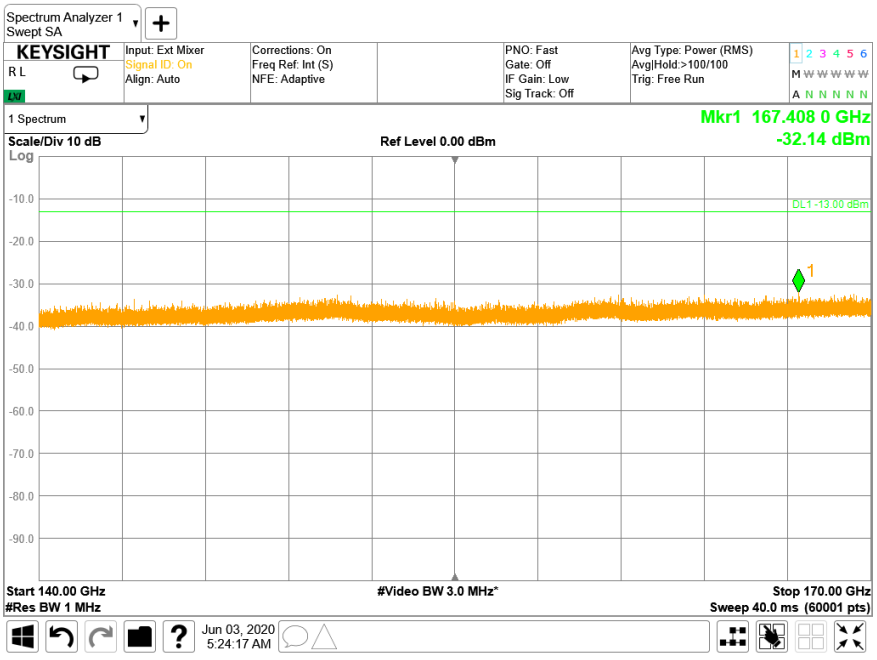
Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

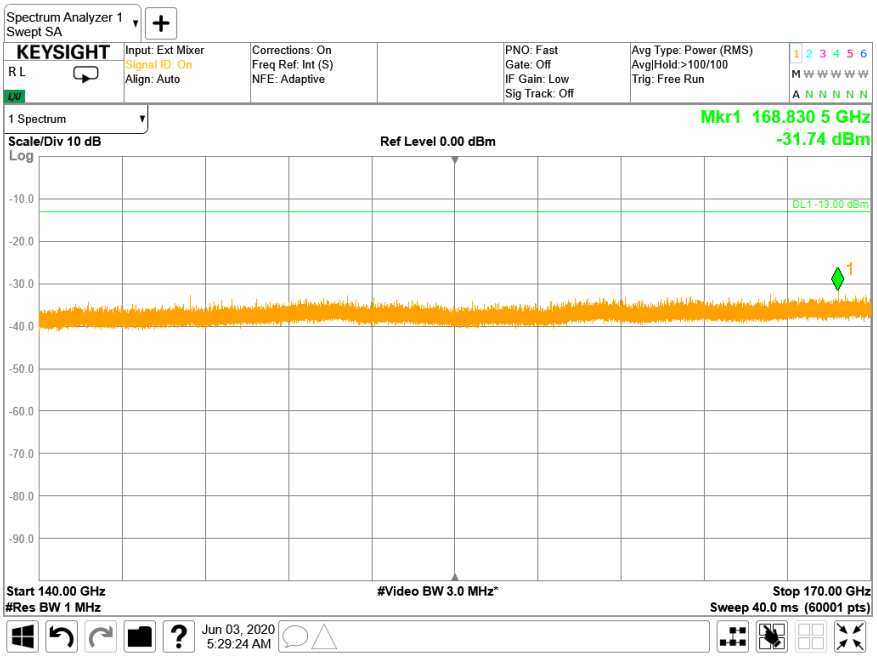
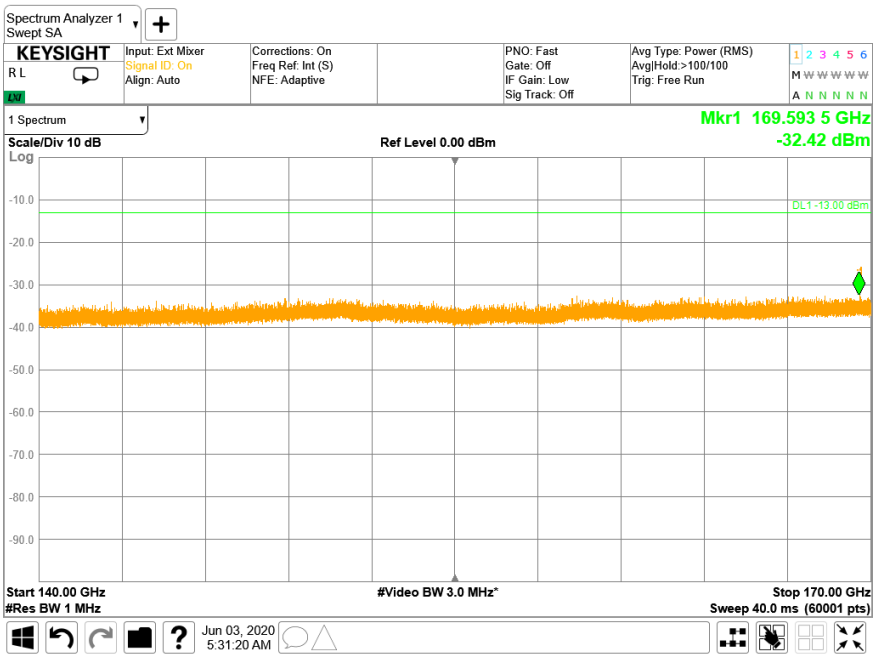
Ant 1 n260 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

140 – 170 GHz Result

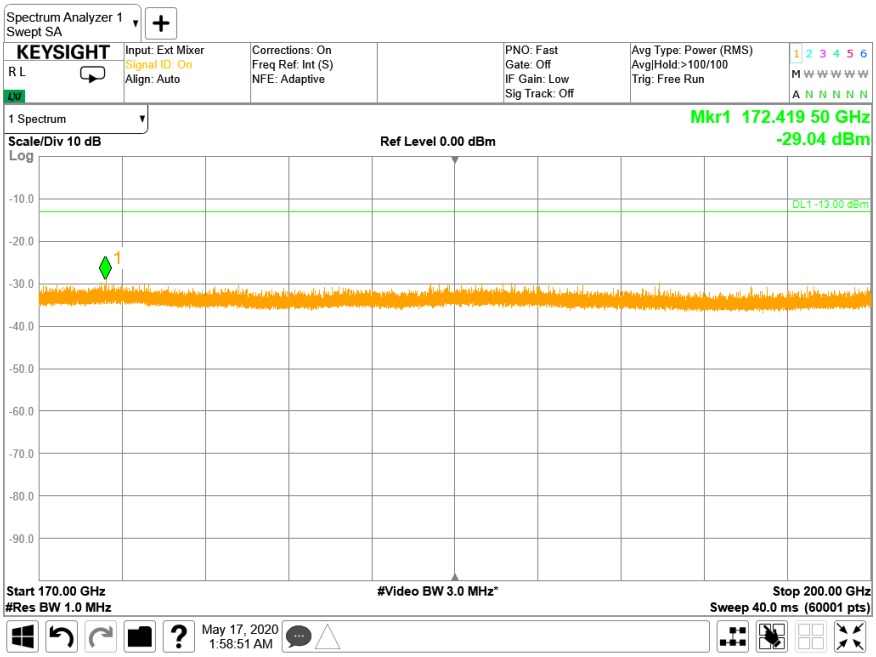
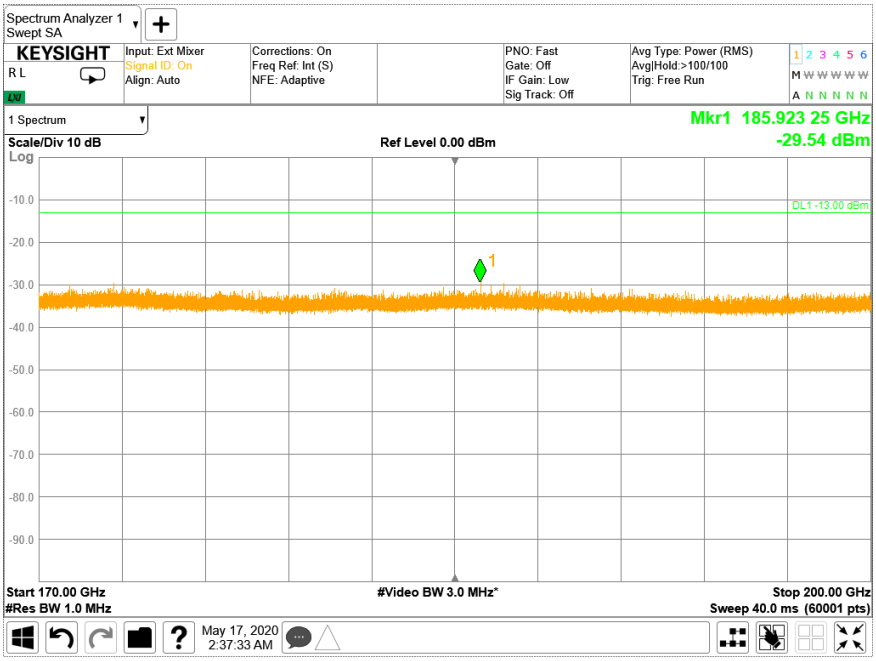
Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

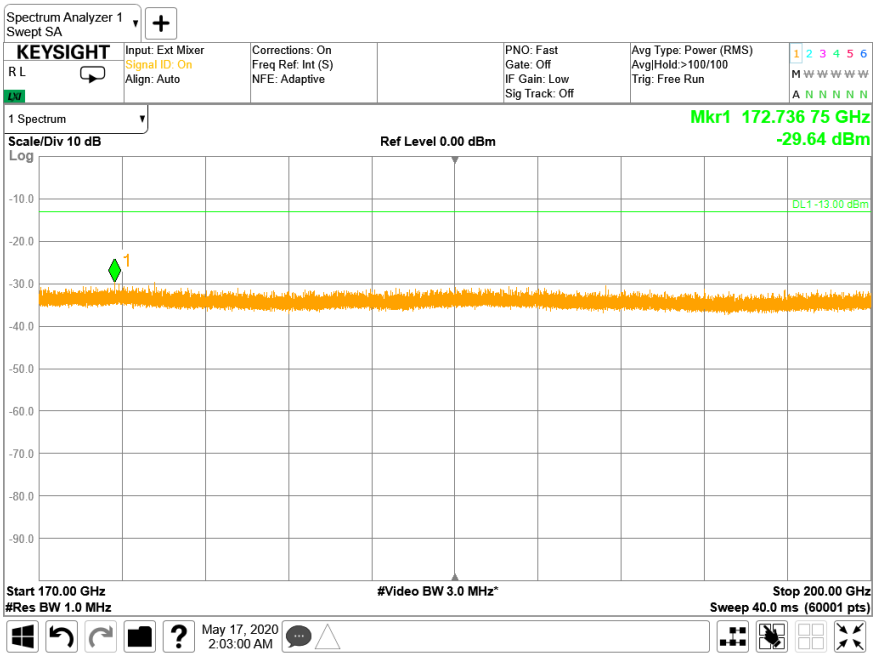
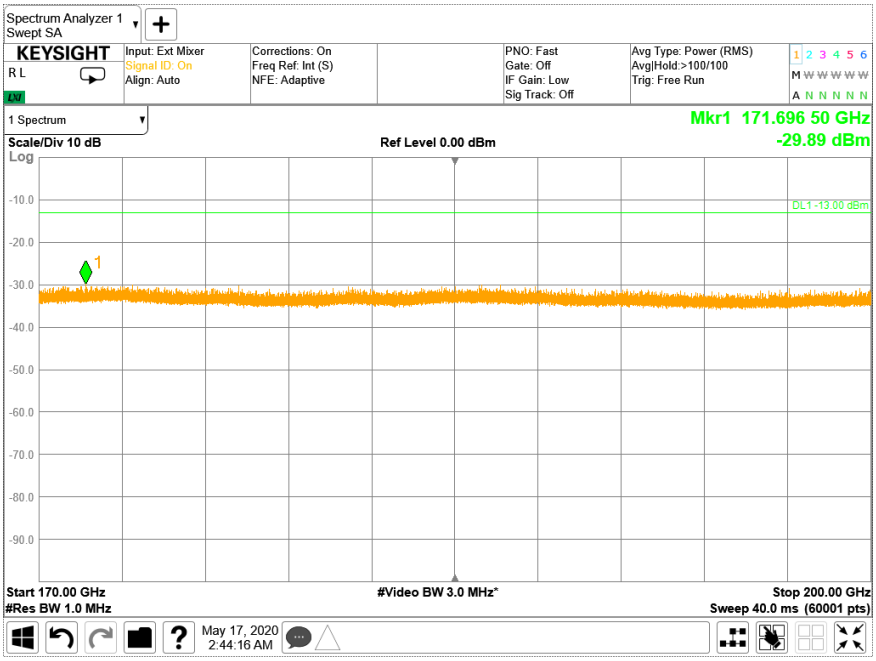
Ant 1 n260 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

170 – 200 GHz Result

Ant 1 n260 BW 50MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 50MHz	 Mid Channel / Vertical

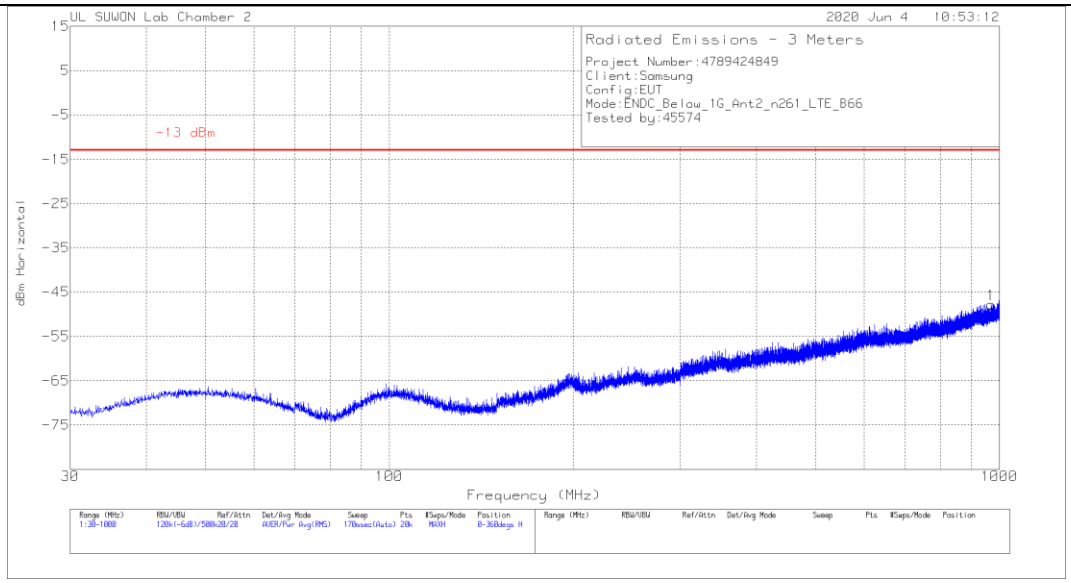
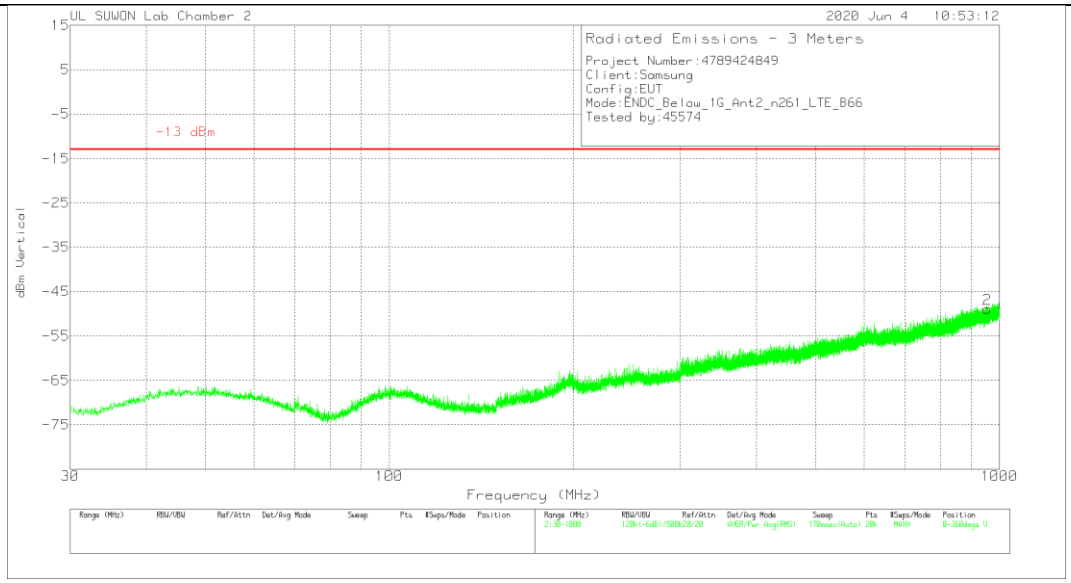
No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

Ant 1 n260 BW 100MHz	 Mid Channel / Horizontal
Ant 1 n260 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

Antenna 2 / n261

30 – 1000 MHz Result

Ant 2 n261	 Mid Channel / Horizontal
Ant 2 n261	 Mid Channel / Vertical

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	VULB9163_749	Below_1G[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	969.5033	-60.69	RMS	28.5	-27.4	11.8	-47.79	-13	-	0-360	400	H
2	955.1478	-61.23	RMS	28.1	-27.6	11.8	-48.93	-13	-	0-360	100	V

RMS - RMS detection

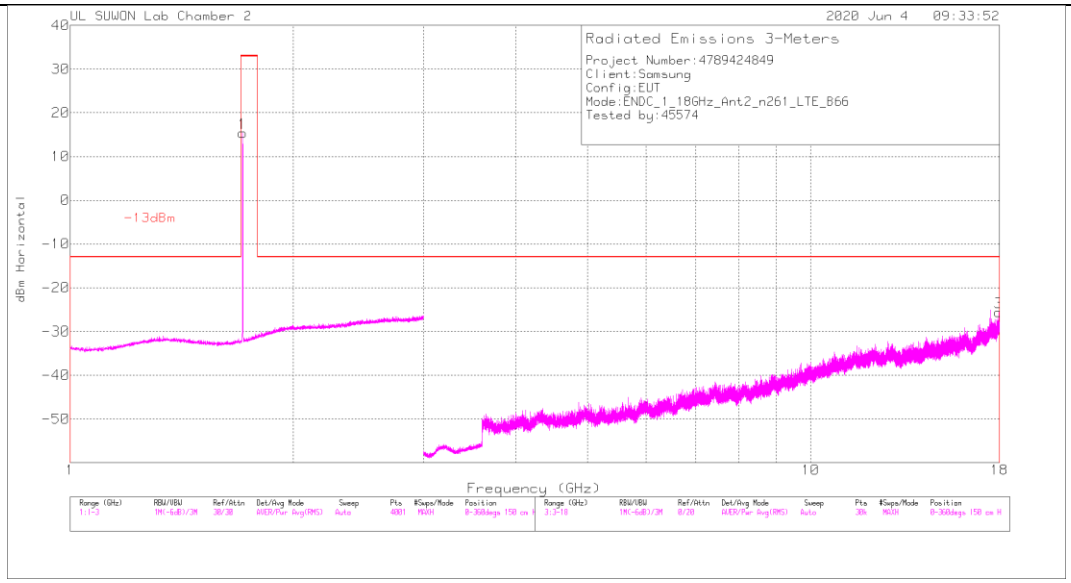
No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_30(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

1 – 18 GHz Result

Ant 2

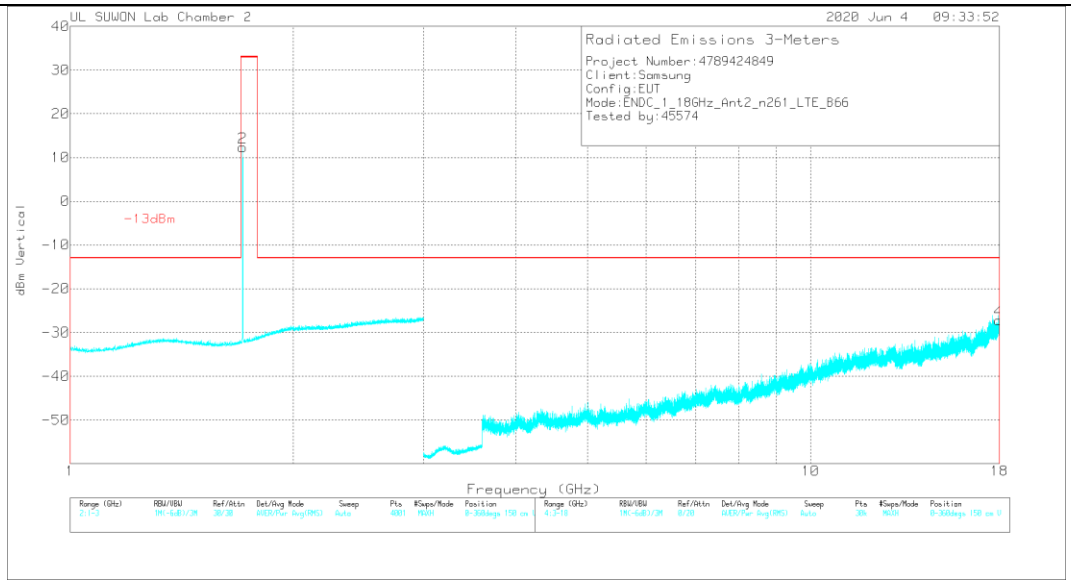
n261



Mid Channel / Horizontal

Ant 2

n261



Mid Channel / Vertical

Trace Markers

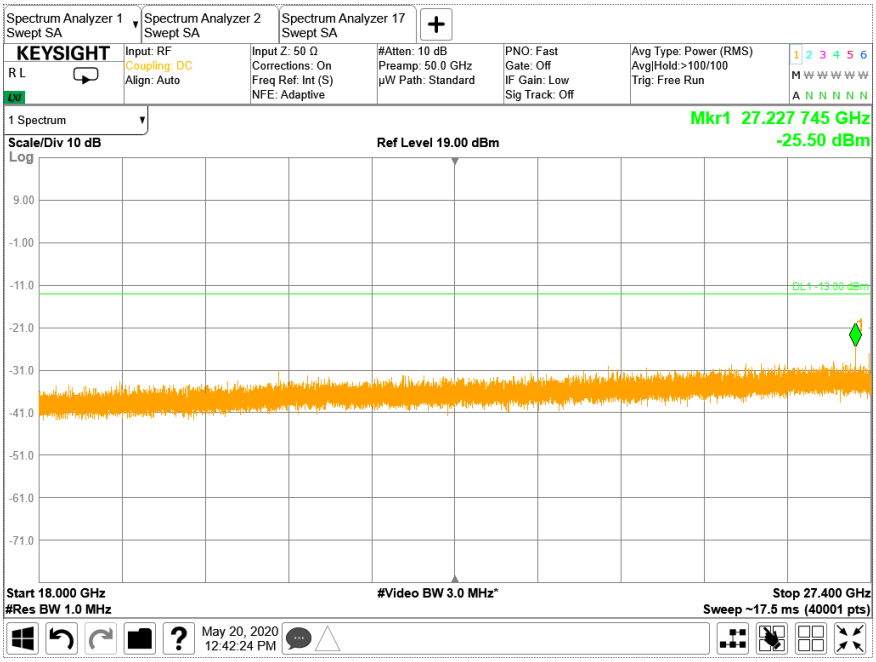
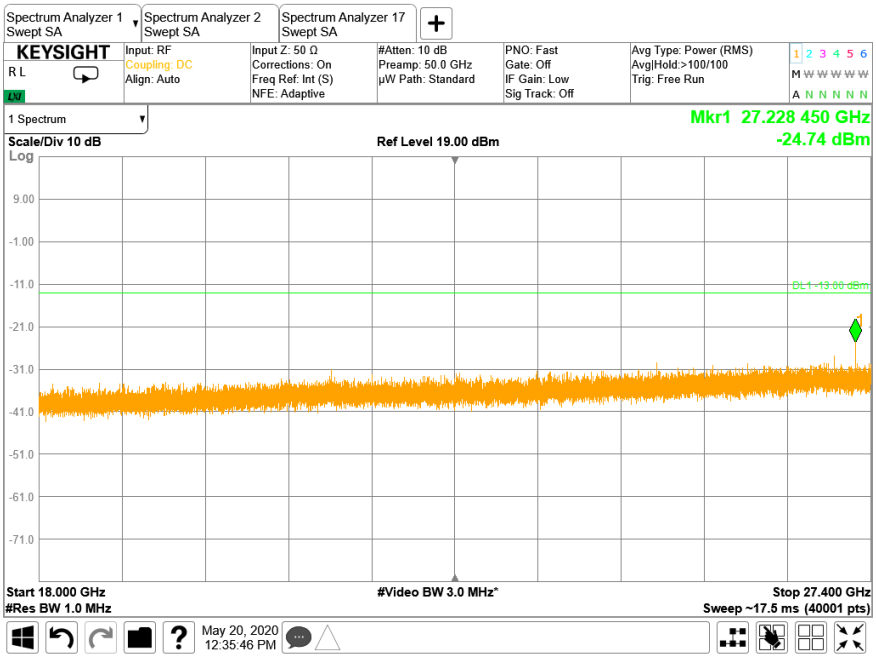
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.71	-3.8	RMS	28.8	-21.4	11.8	15.4	33	-17.6	0-360	150	H
2	1.71	-6.81	RMS	28.8	-21.4	11.8	12.39	33	-20.61	0-360	150	V

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	3GHz_HP[dB]	Conversion Factor[dB]	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	17.96799	-62.37	RMS	41.7	-16.7	11.8	-25.57	-13	-12.57	0-360	150	H
4	17.97349	-63.97	RMS	41.7	-16.8	11.8	-27.27	-13	-14.27	0-360	150	V

RMS - RMS detection

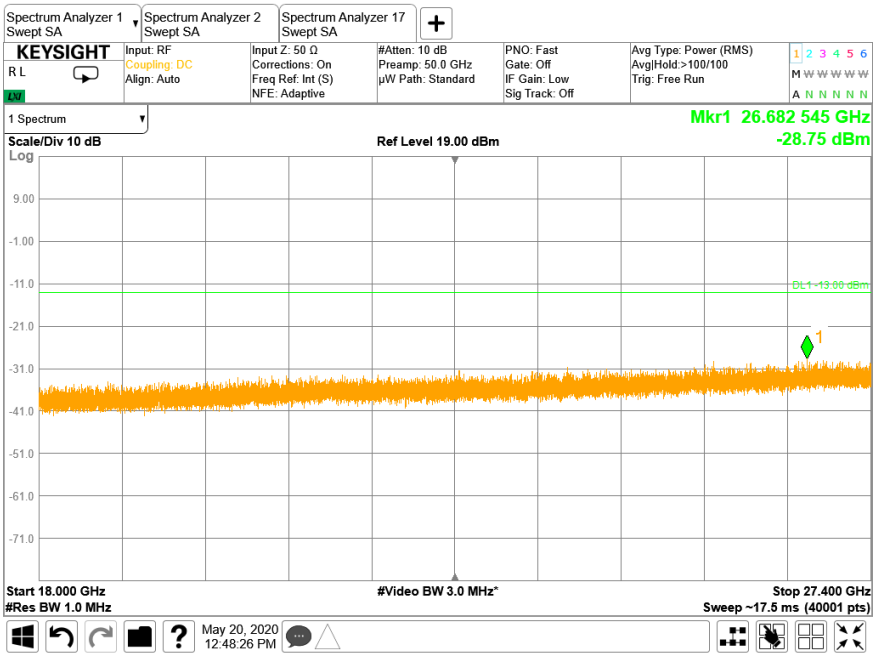
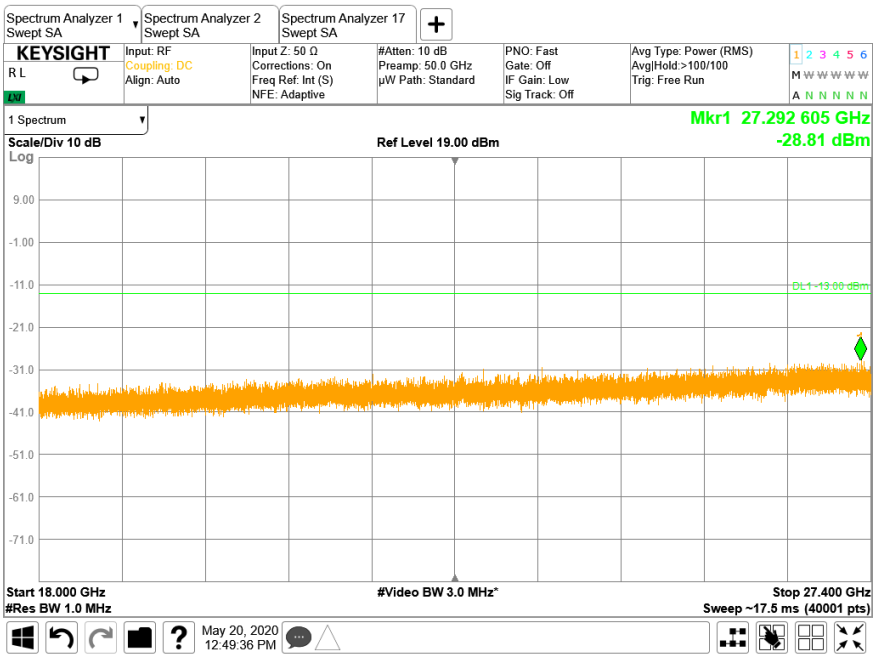
** Marker 1 and 2 were the fundamental signal of LTE Band 66 that was used as a representative anchor band for EN-DC investigations.
No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

18 – 27.4 GHz

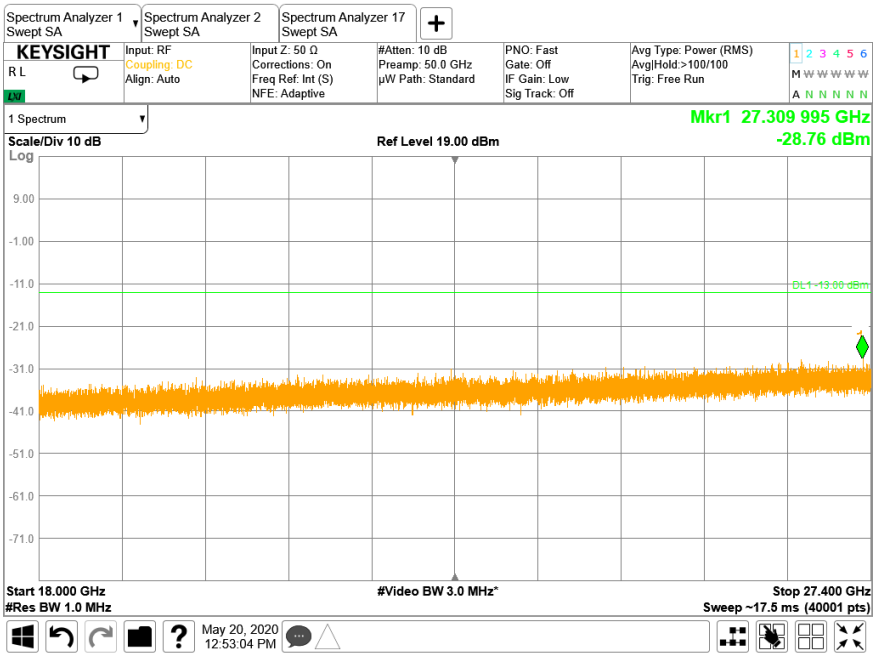
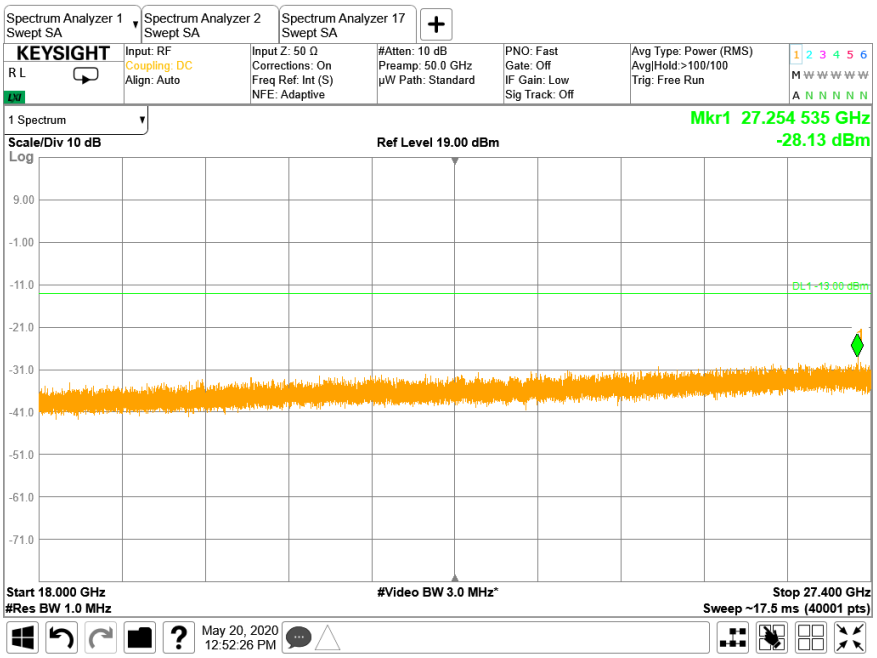
Ant 2 n261 BW 50MHz	 Low Channel / Horizontal
Ant 2 n261 BW 50MHz	 Low Channel / Vertical

Final Measurement Data Table

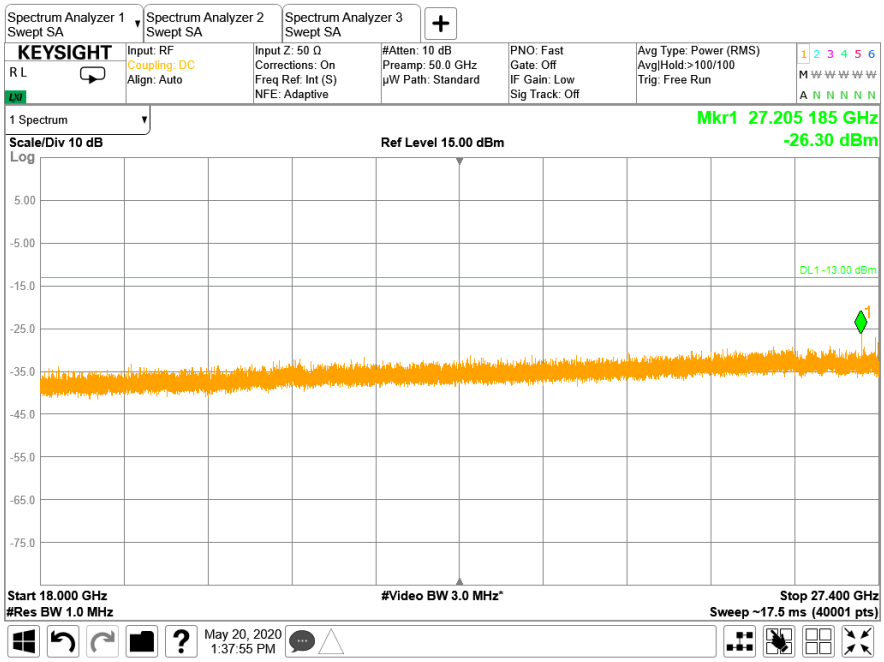
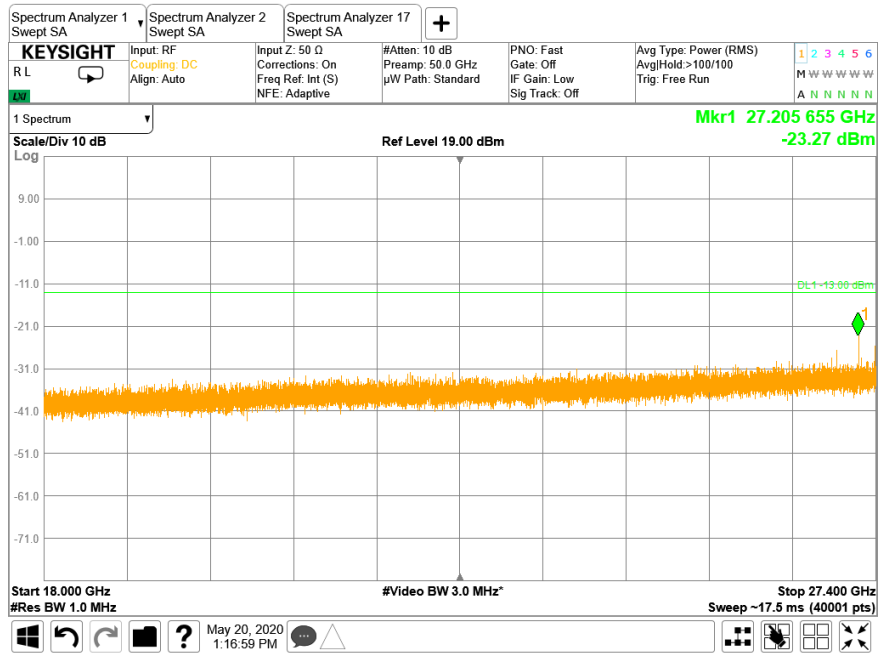
Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
27534.84	50	MIMO	QPSK	H	238	83	-30.08	-13.00	-17.08
27534.84	50	MIMO	QPSK	V	223	67	-26.63	-13.00	-13.63

Ant 2 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor.

Ant 2 n261 BW 50MHz	 High Channel / Horizontal
Ant 2 n261 BW 50MHz	 High Channel / Vertical

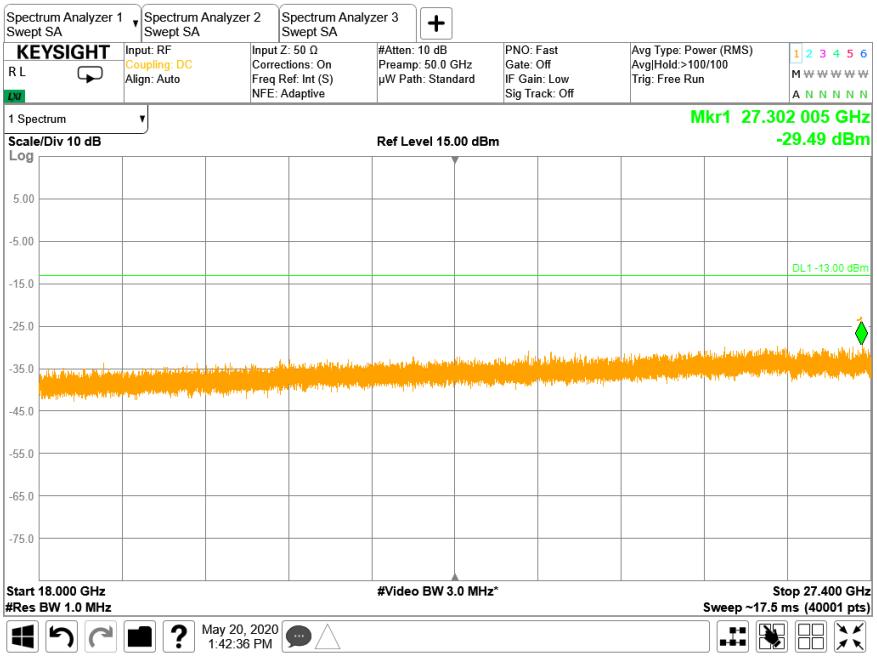
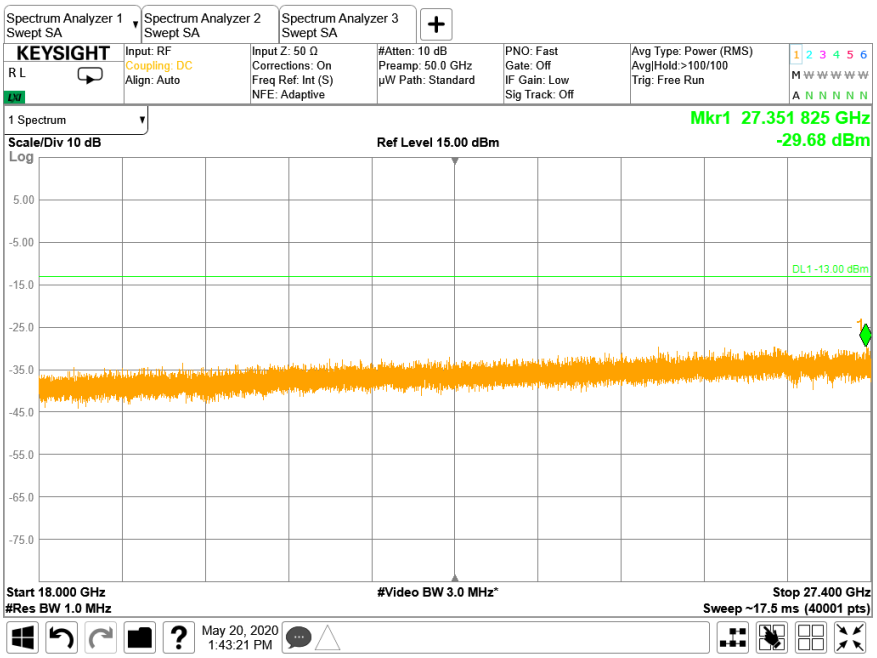
No emissions were detected above noise floor.

Ant 2 n261 BW 100MHz	 Low Channel / Horizontal
Ant 2 n261 BW 100MHz	 Low Channel / Vertical

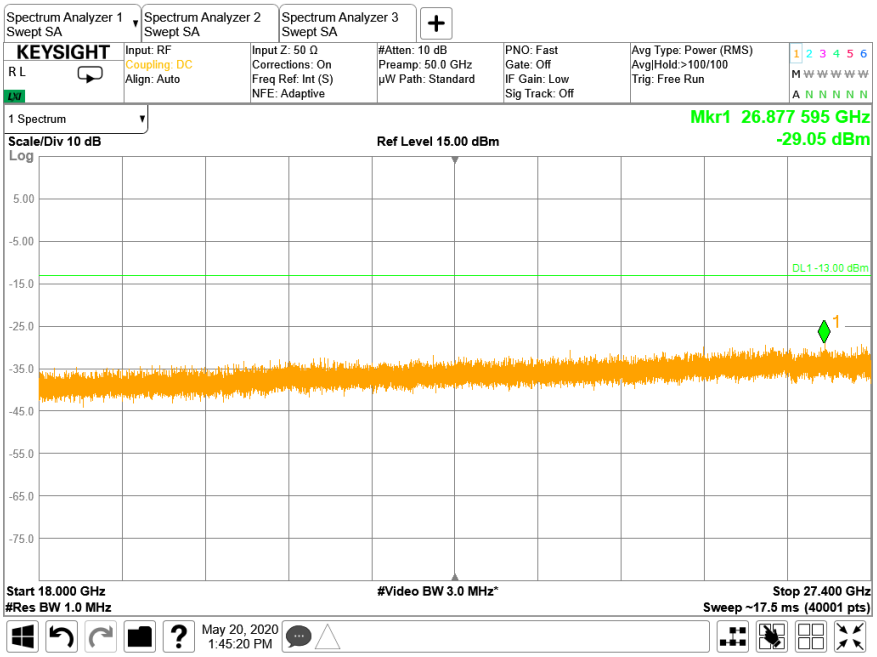
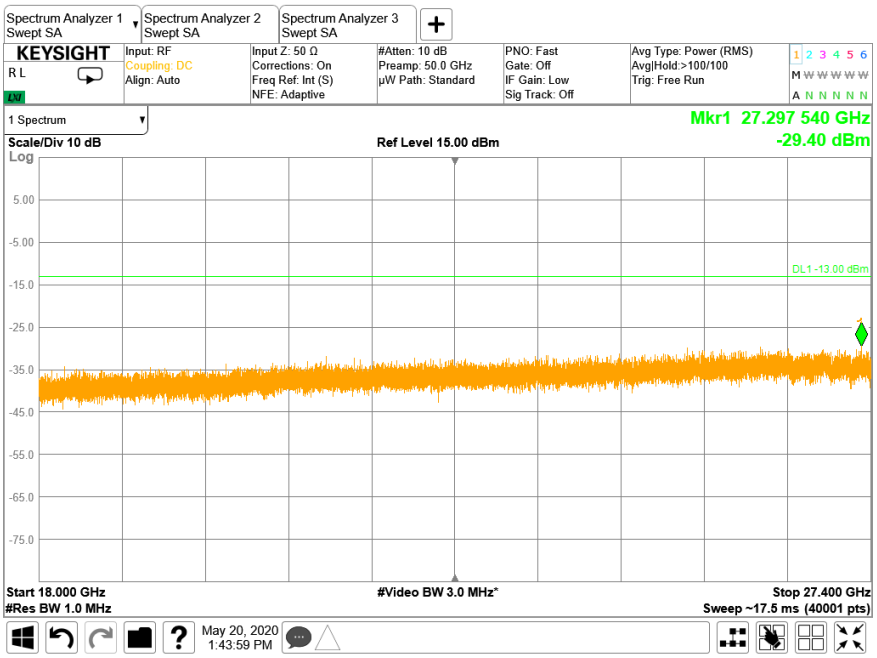
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
27559.32	100	MIMO	QPSK	H	238	80	-29.94	-13.00	-16.94
27559.32	100	MIMO	QPSK	V	227	70	-25.85	-13.00	-12.85

UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_30(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

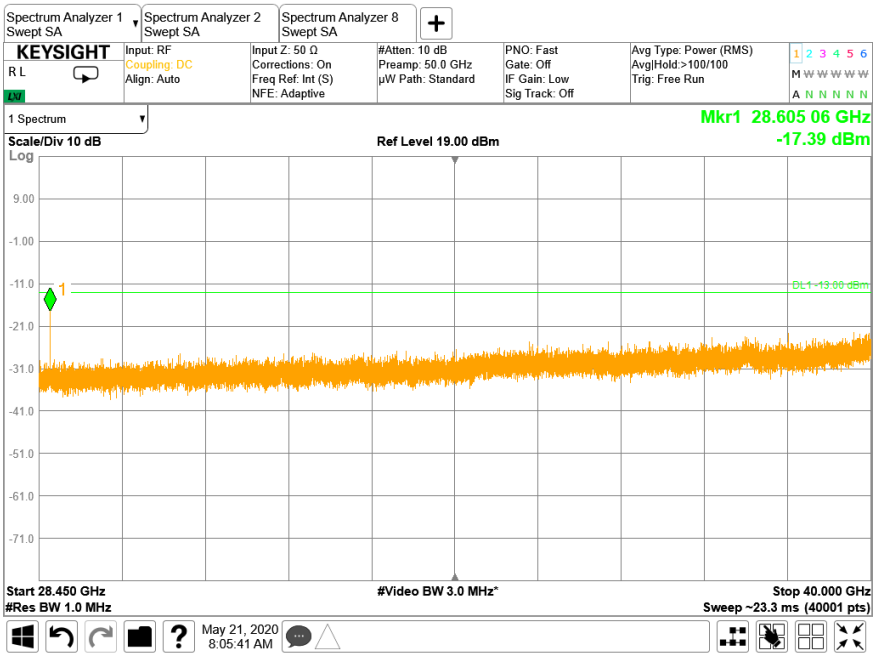
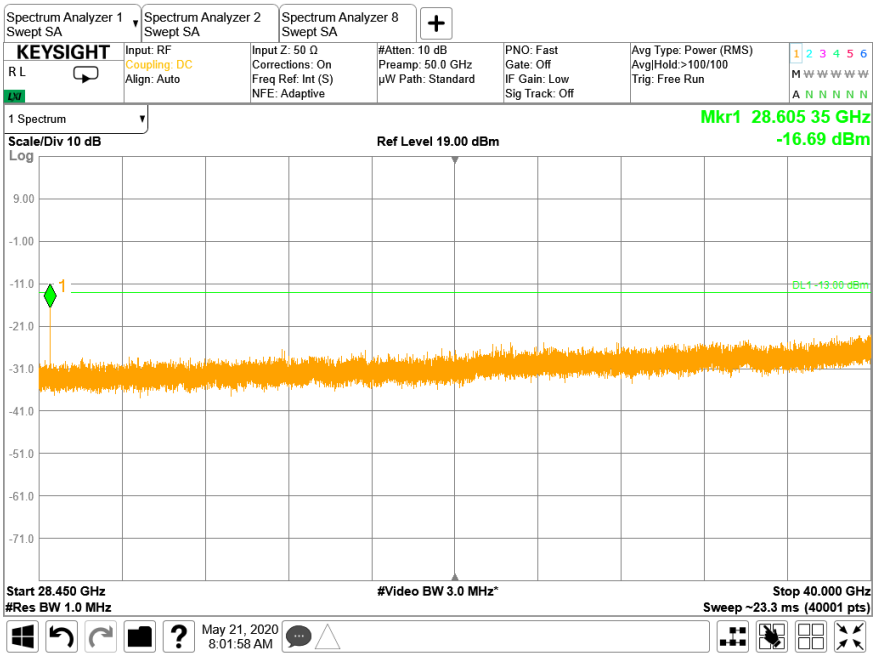
Ant 2 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor.

Ant 2 n261 BW 100MHz	 High Channel / Horizontal
Ant 2 n261 BW 100MHz	 High Channel / Vertical

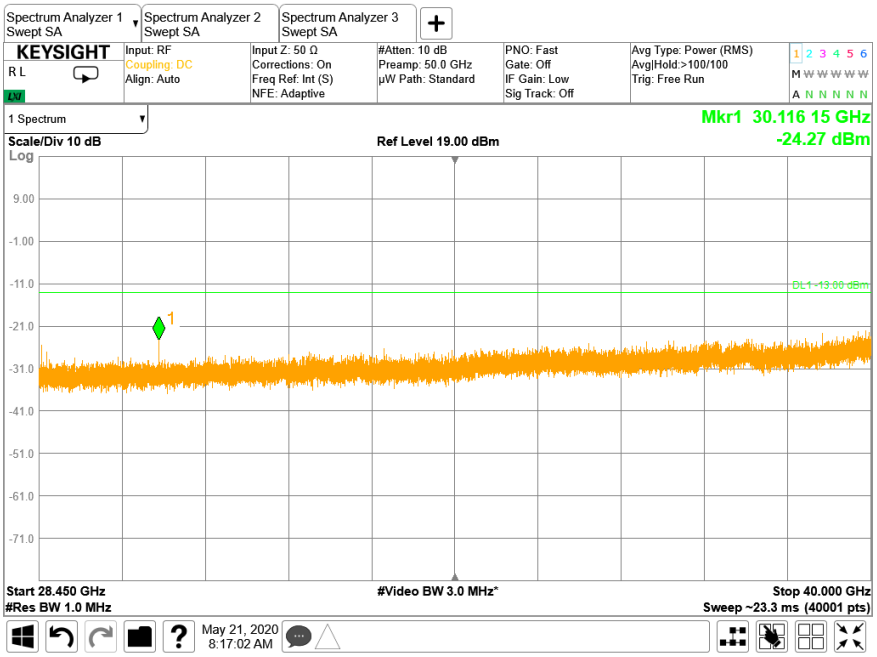
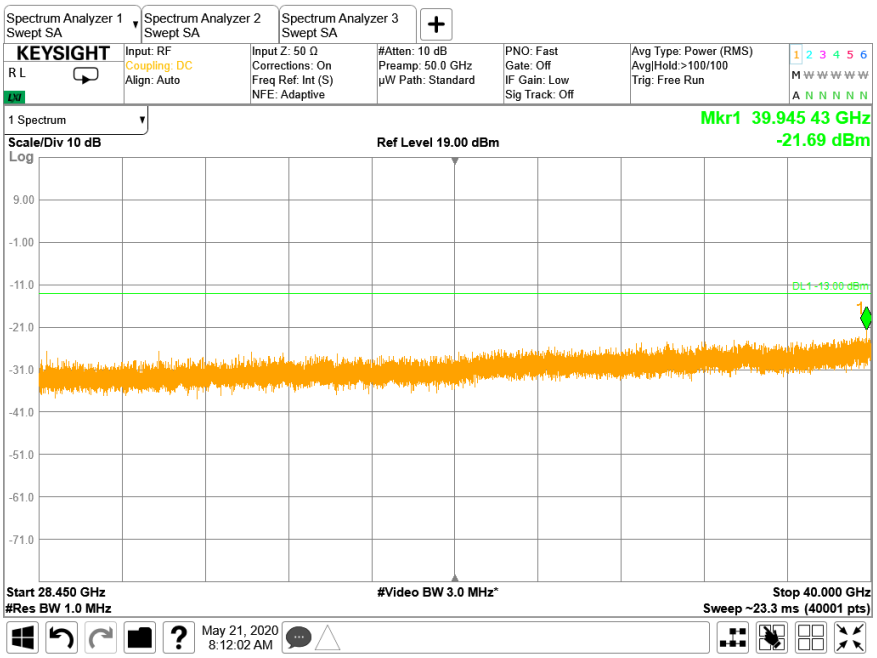
No emissions were detected above noise floor.

28.45 – 40 GHz Result

Ant 2 n261 BW 50MHz	 Low Channel / Horizontal
Ant 2 n261 BW 50MHz	 Low Channel / Vertical

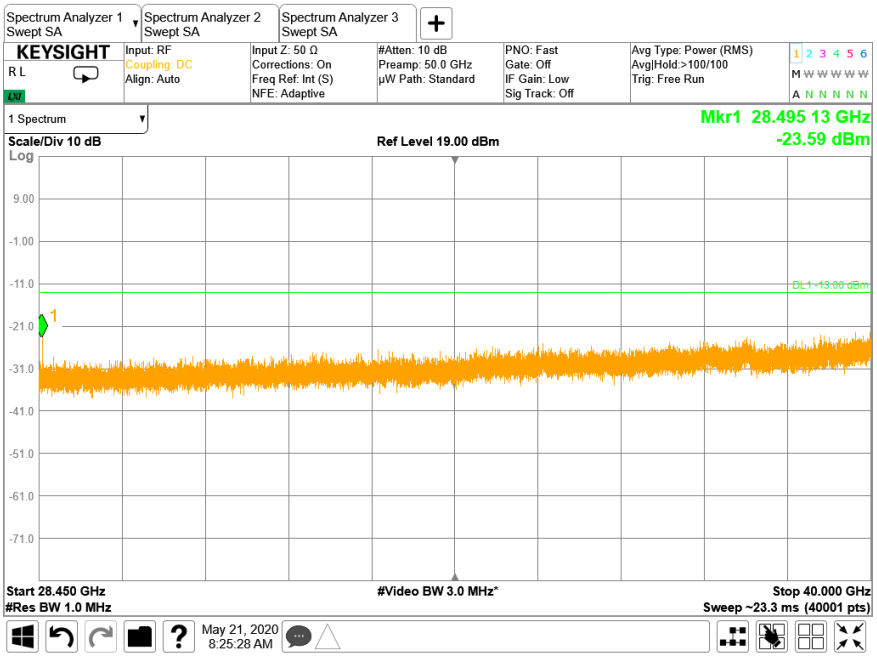
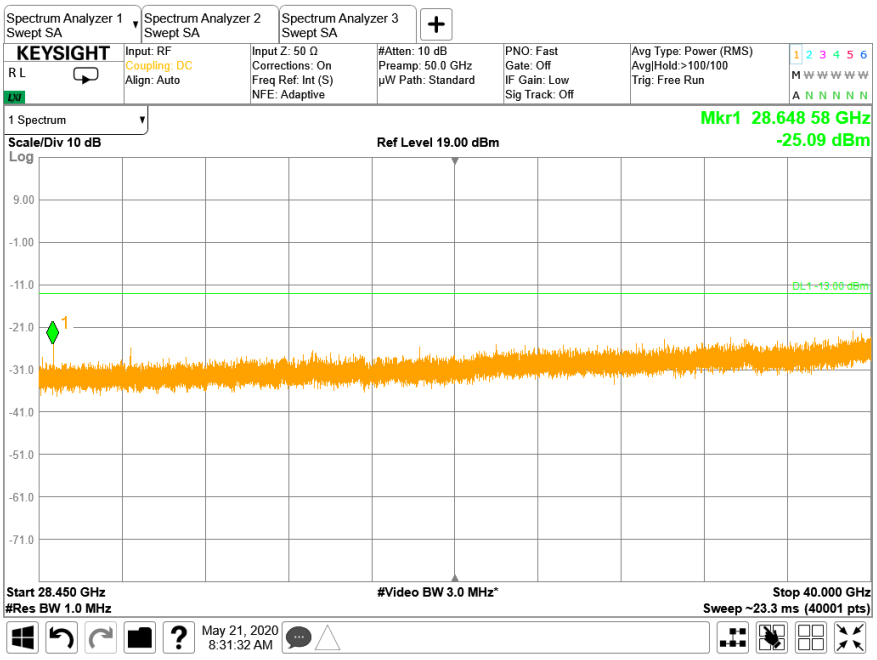
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
28605.24	50	MIMO	QPSK	H	218	80	-19.11	-13.00	-6.11
28603.35	50	MIMO	QPSK	V	215	75	-19.09	-13.00	-6.09

Ant 2 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 50MHz	 Mid Channel / Vertical

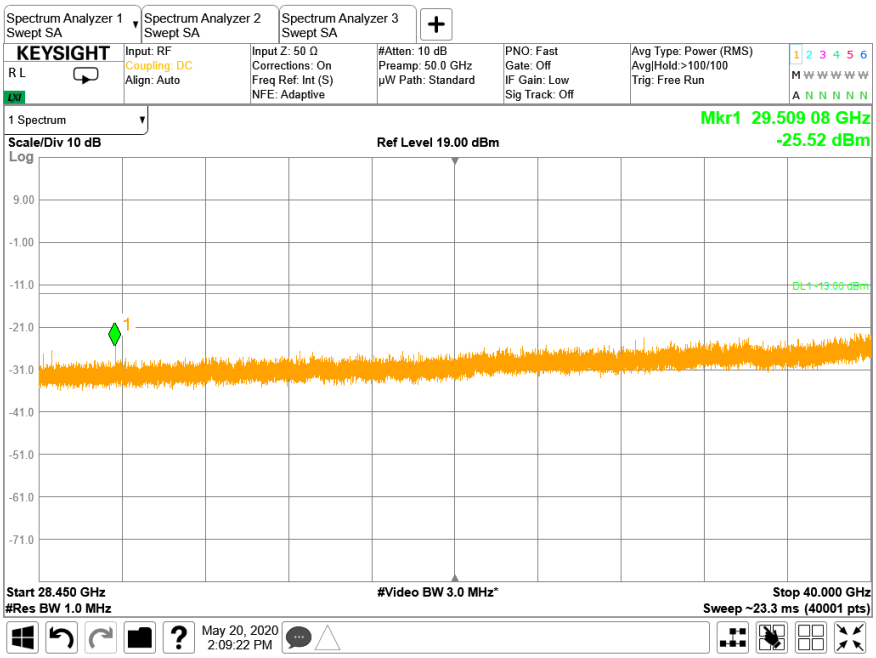
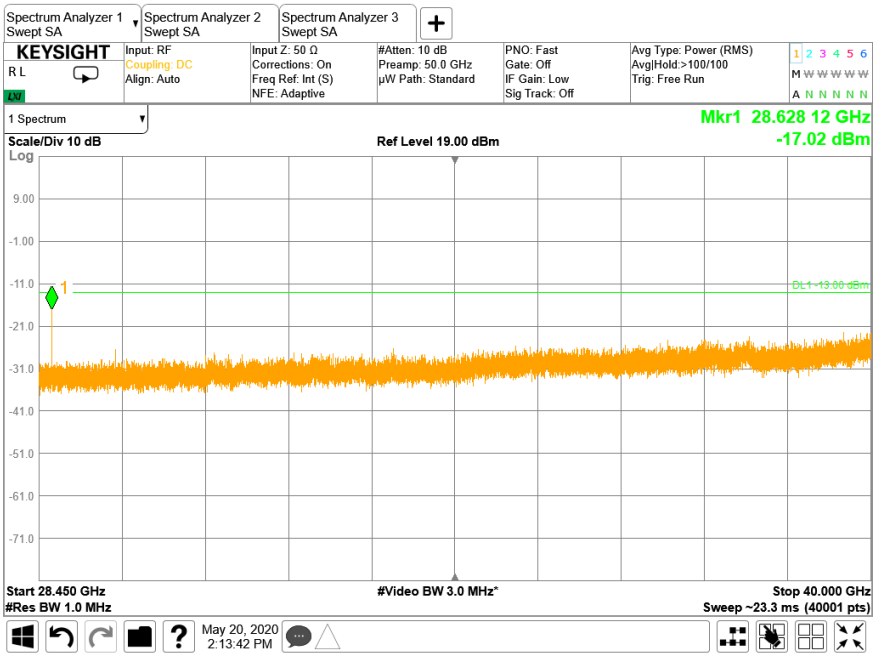
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
30116.22	50	MIMO	QPSK	H	226	84	-28.47	-13.00	-15.47

Ant 2 n261 BW 50MHz	 High Channel / Horizontal
Ant 2 n261 BW 50MHz	 High Channel / Vertical

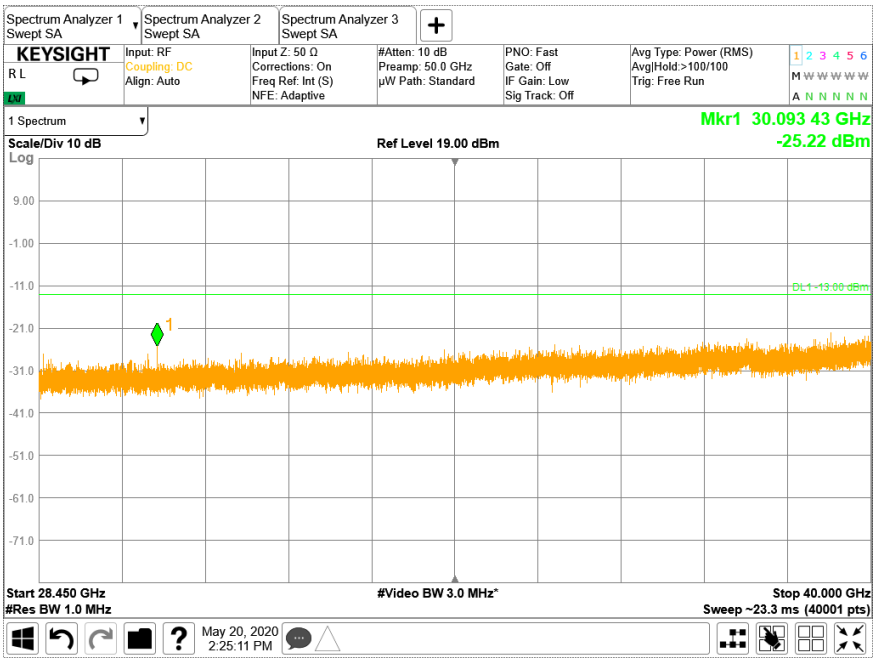
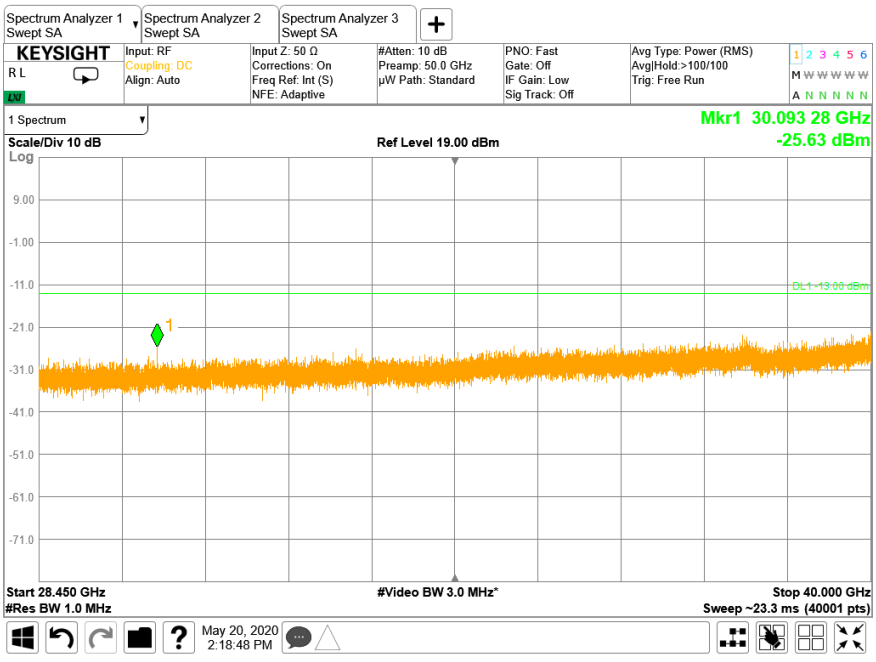
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
28495.23	50	MIMO	QPSK	H	238	87	-27.72	-13.00	-14.72
28648.80	50	MIMO	QPSK	V	232	66	-28.48	-13.00	-15.48

Ant 2 n261 BW 100MHz	 Low Channel / Horizontal
Ant 2 n261 BW 100MHz	 Low Channel / Vertical

Final Measurement Data Table

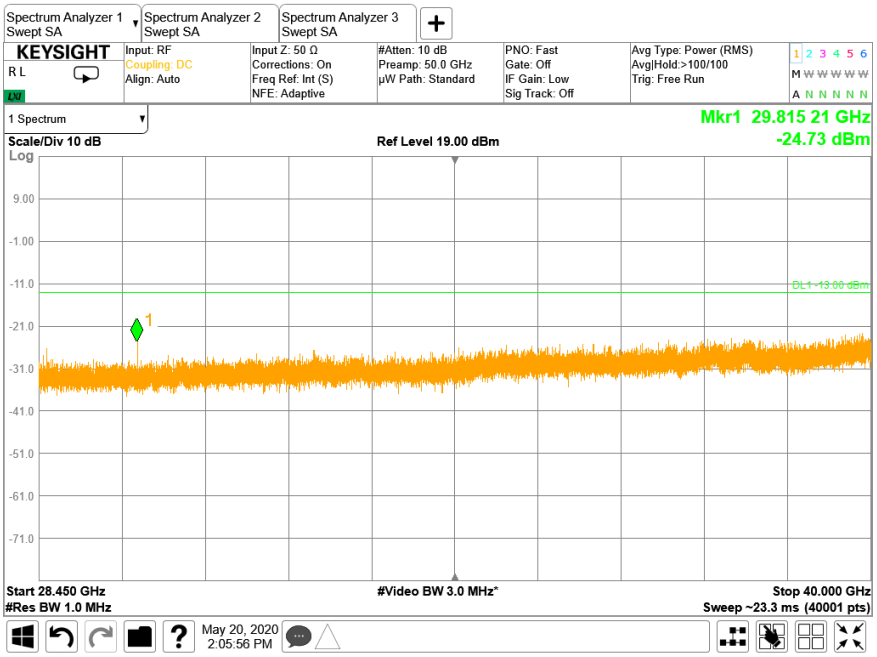
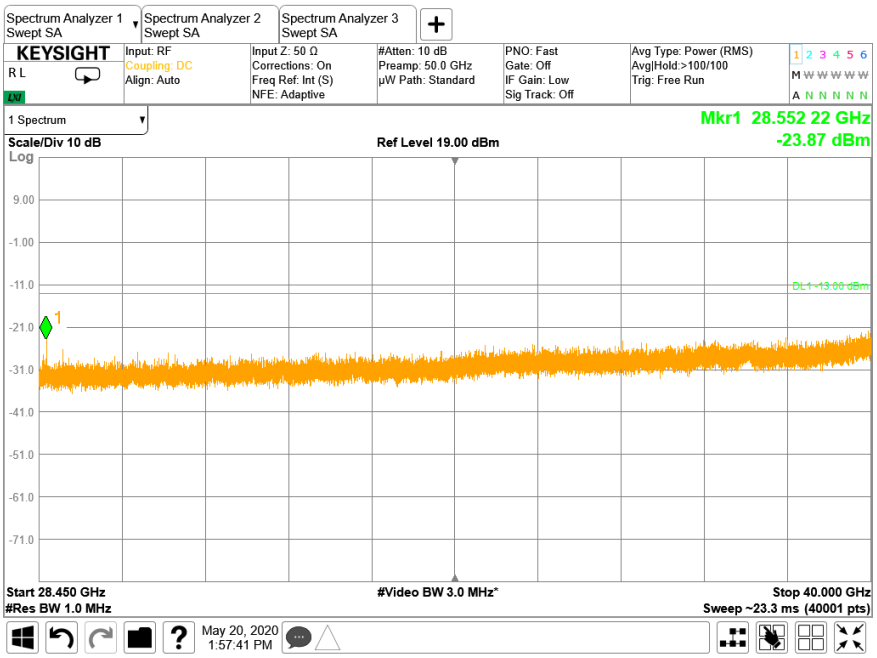
Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
29509.23	100	MIMO	QPSK	H	251	80	-29.43	-13.00	-16.43
28628.17	100	MIMO	QPSK	V	226	67	-19.07	-13.00	-6.07

Ant 2 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 100MHz	 Mid Channel / Vertical

Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
30093.22	100	MIMO	QPSK	H	255	87	-29.16	-13.00	-16.16
30093.59	100	MIMO	QPSK	V	238	40	-29.09	-13.00	-16.09

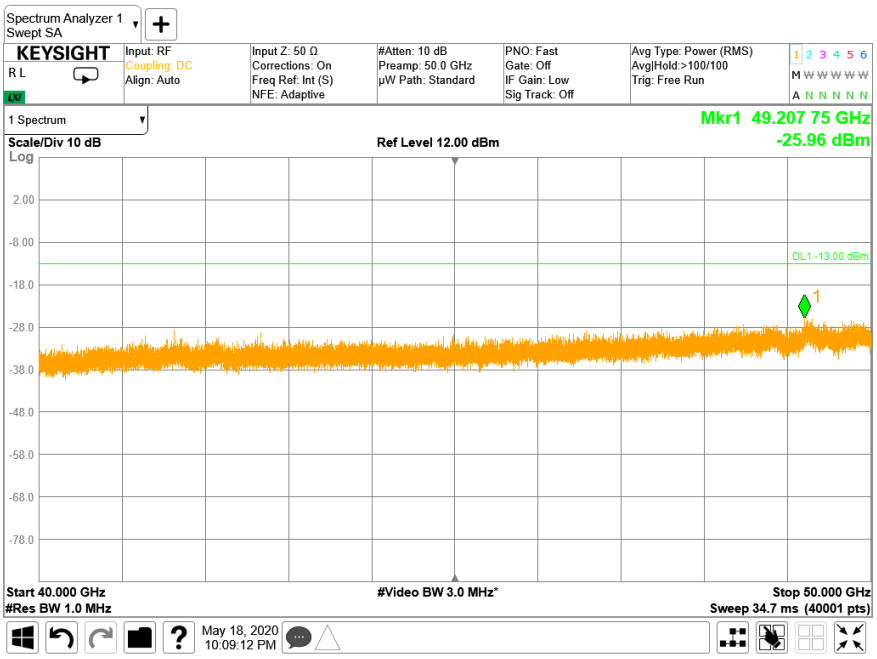
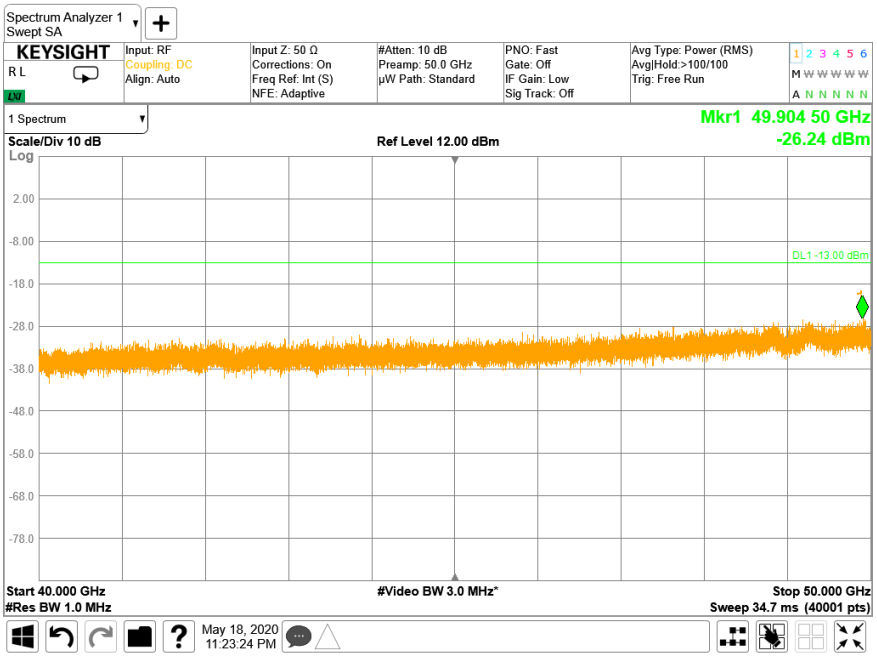
UL Korea, Ltd. Suwon Laboratory FORM ID: FCC_30(04)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

Ant 2 n261 BW 100MHz	 High Channel / Horizontal
Ant 2 n261 BW 100MHz	 High Channel / Vertical

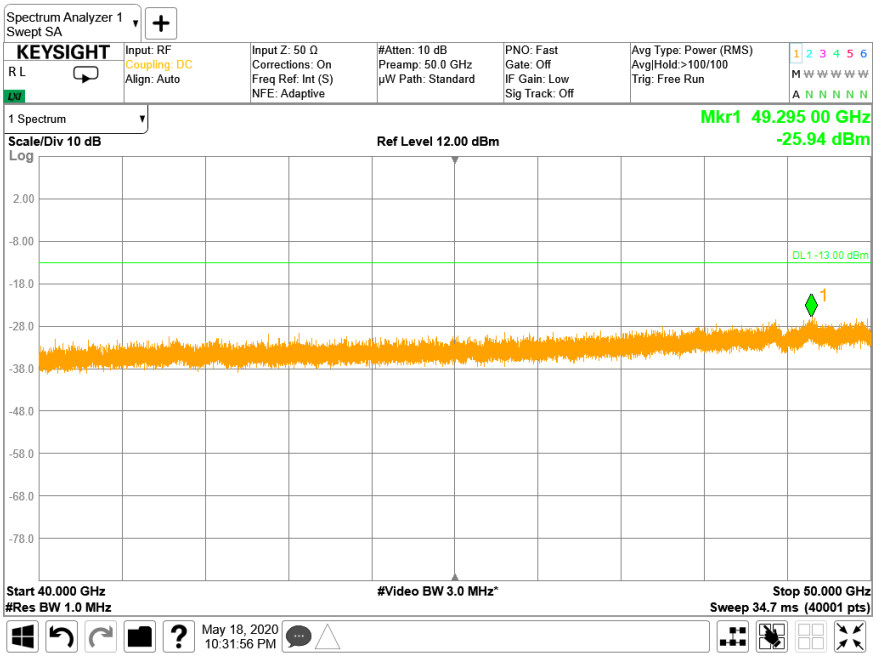
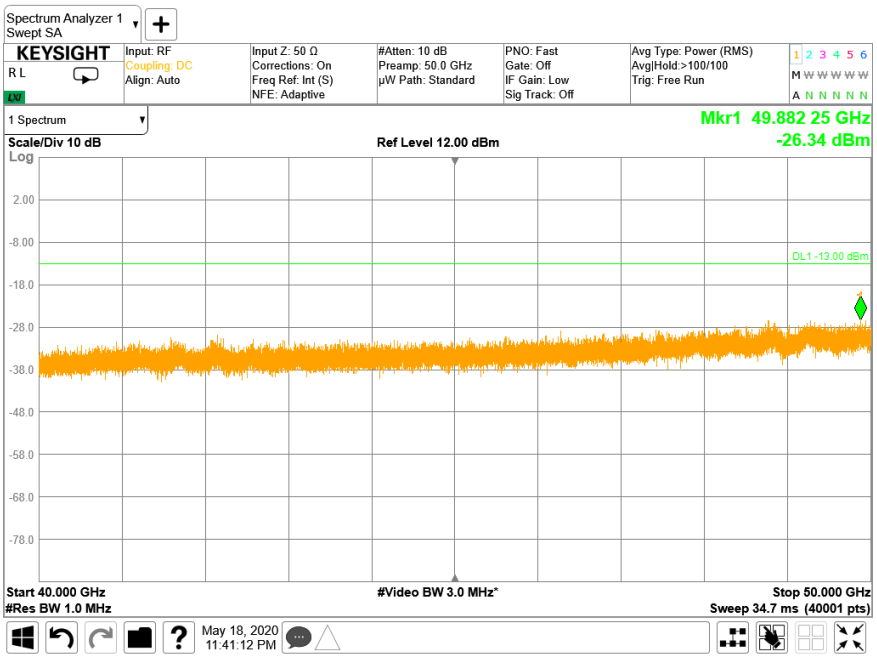
Final Measurement Data Table

Frequency [MHz]	Bandwidth [MHz]	EUT Beam	Modulation	Antenna Polarization [H/V]	X-Axis [degree]	Y-Axis [degree]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
29815.24	100	MIMO	QPSK	H	253	69	-28.75	-13.00	-15.75
28552.52	100	MIMO	QPSK	V	248	16	-27.92	-13.00	-14.92

40 – 50 GHz Result

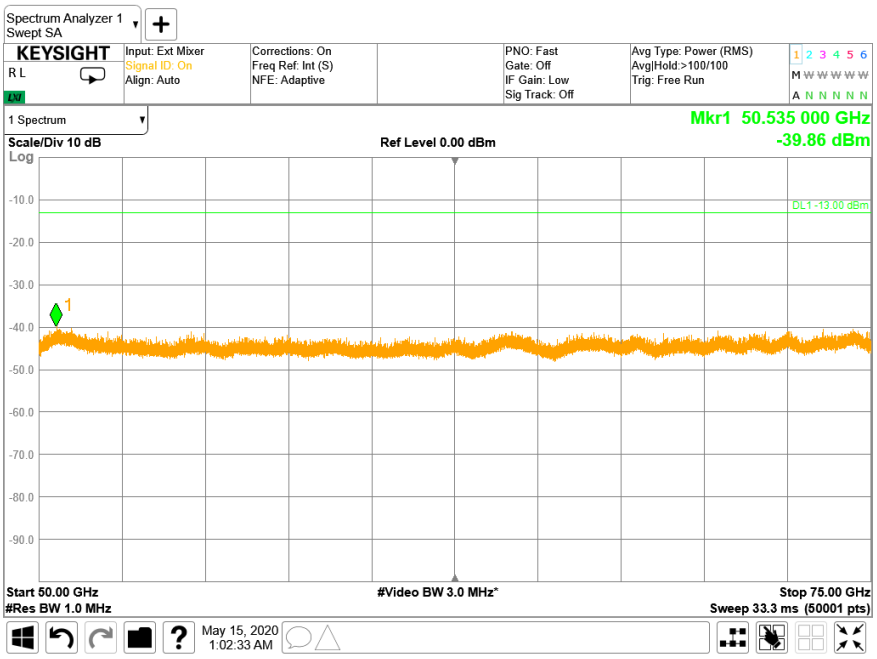
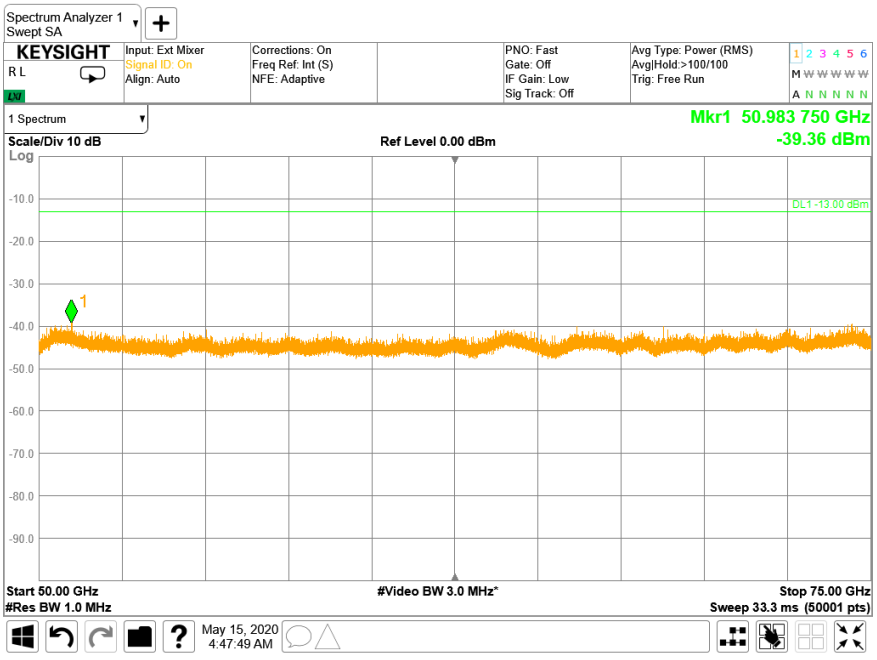
Ant 2 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

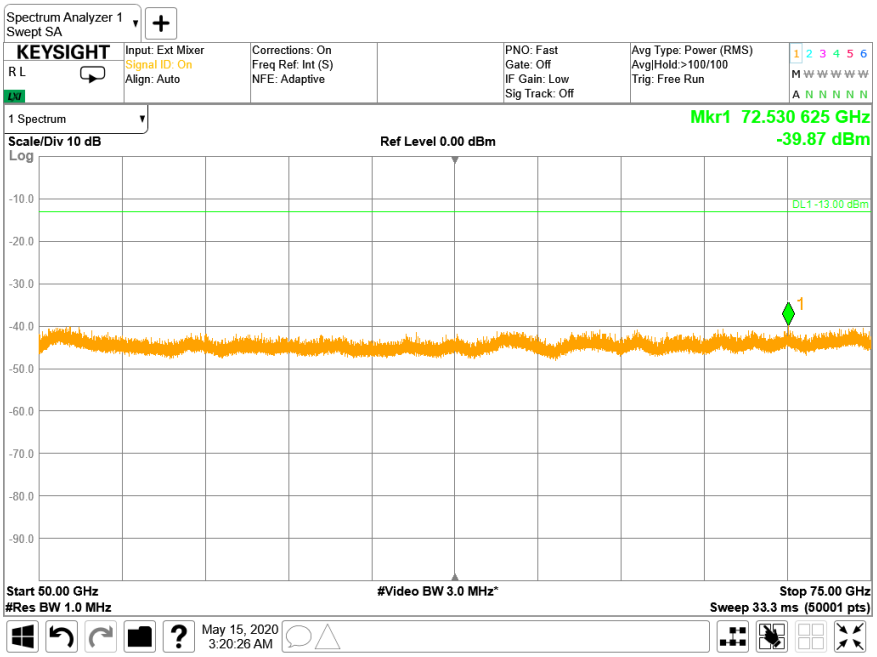
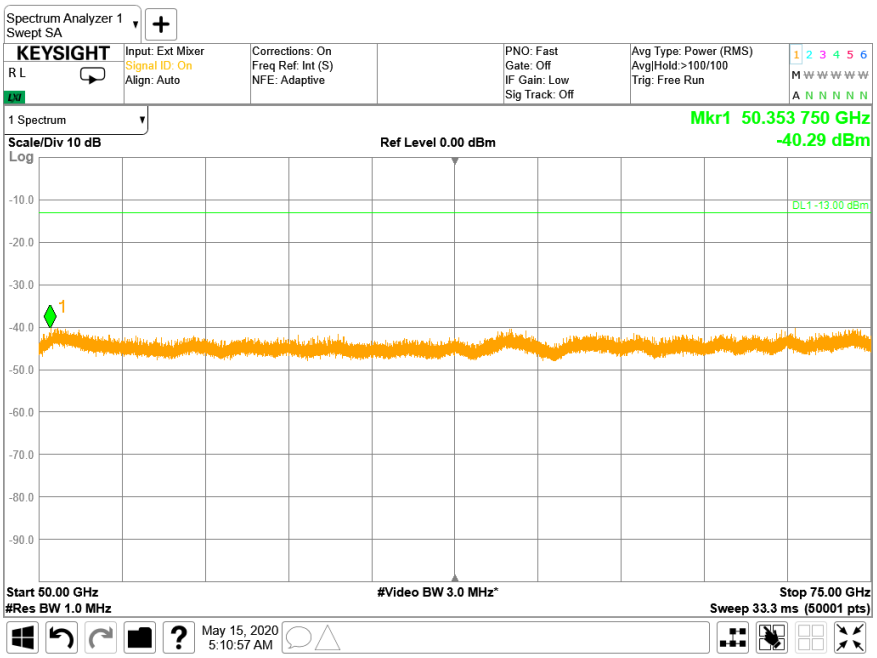
Ant 2 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

50 – 75 GHz Result

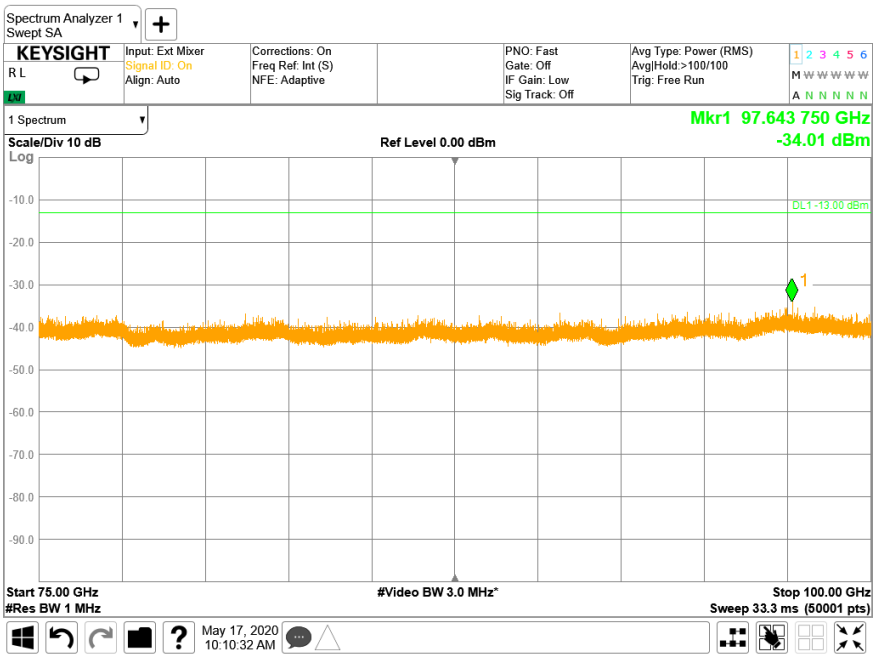
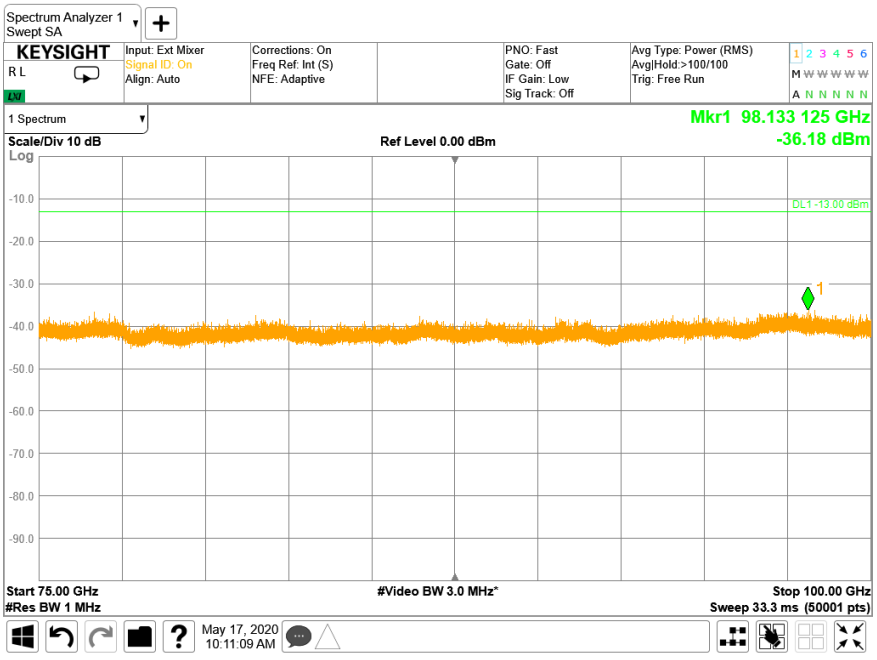
Ant 2 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

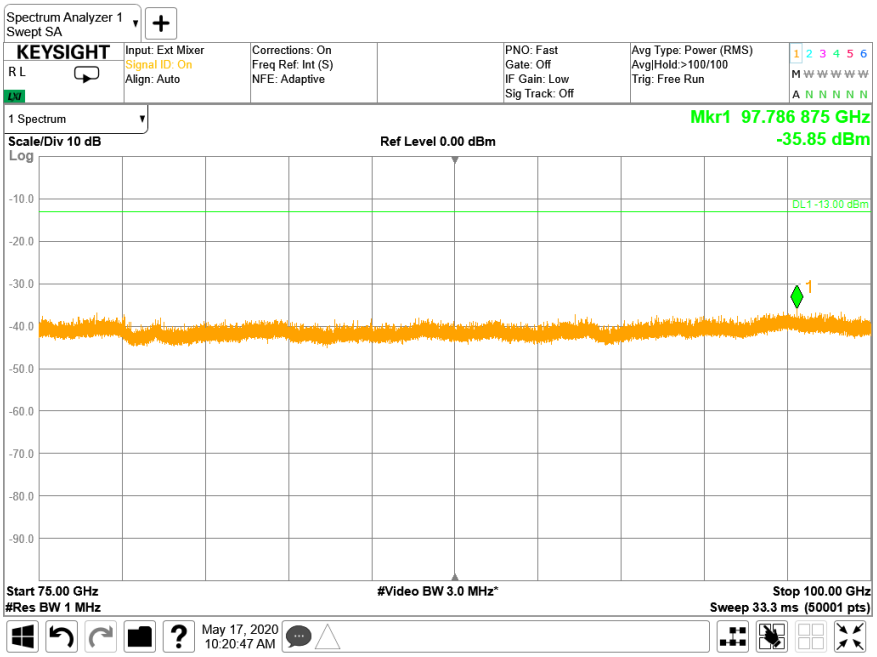
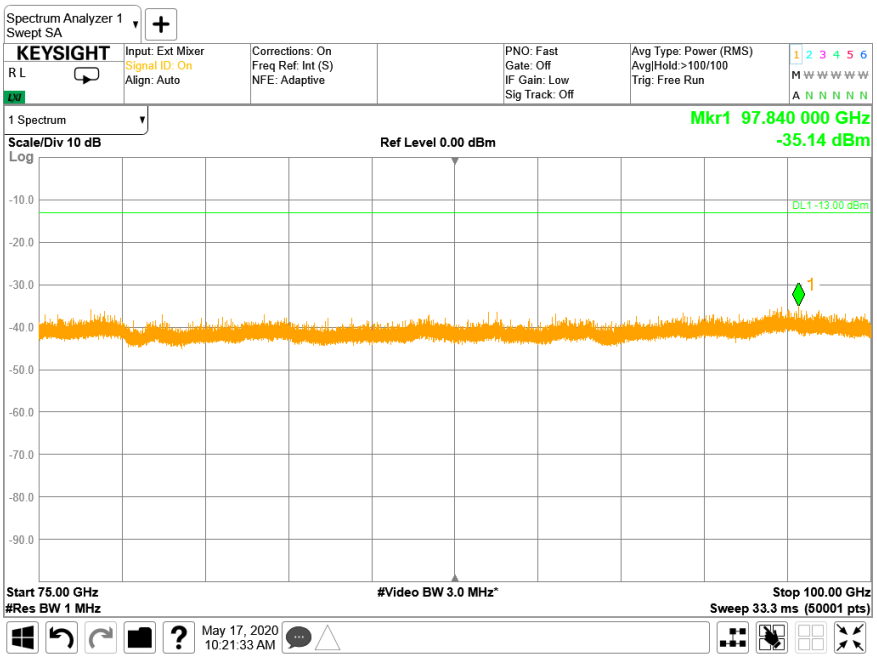
Ant 2 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

75 – 100 GHz Result

Ant 2 n261 BW 50MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 50MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.

Ant 2 n261 BW 100MHz	 Mid Channel / Horizontal
Ant 2 n261 BW 100MHz	 Mid Channel / Vertical

No emissions were detected above noise floor this antenna and band. Thus reported mid channel data.