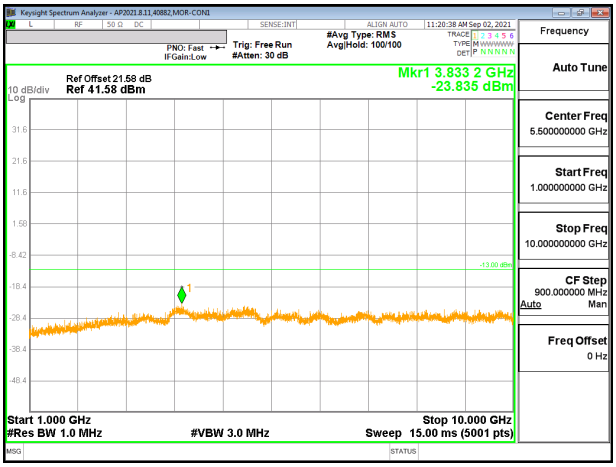
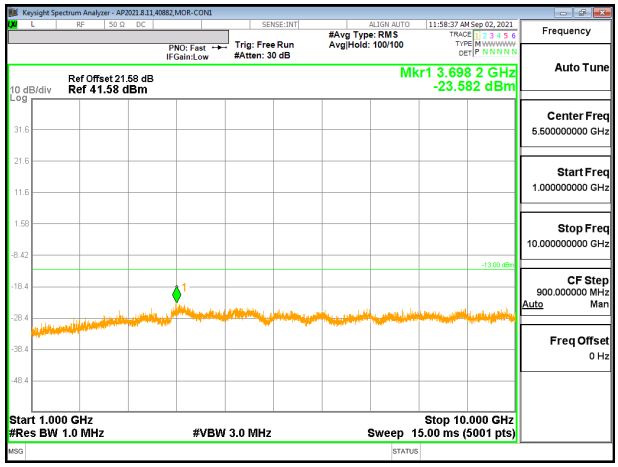
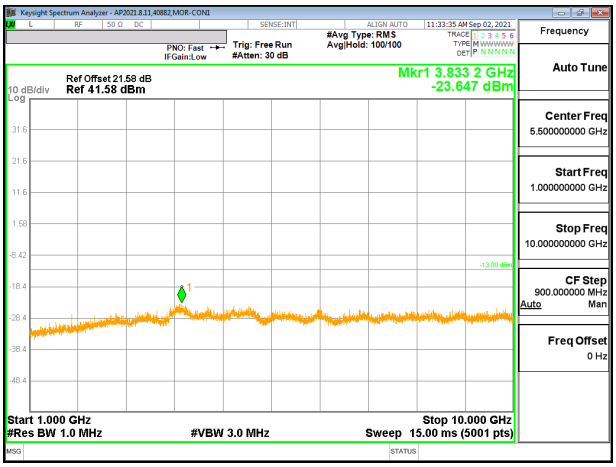
1-10GHz: Port B



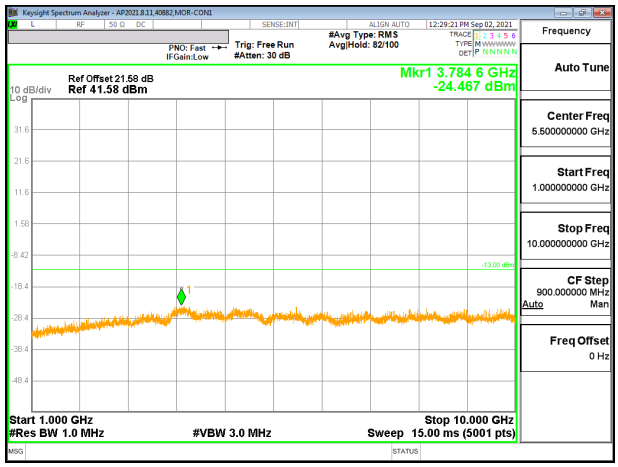
QPSK – 894.73MHz



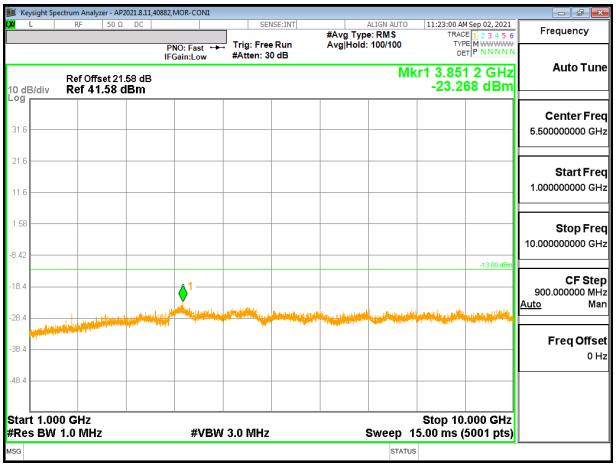
QPSK – 895.24MHz



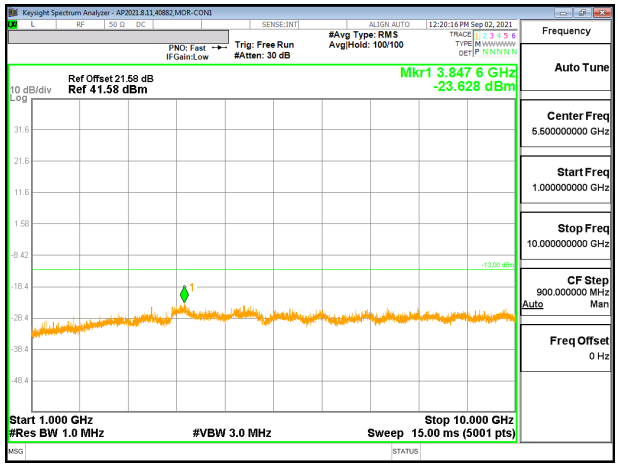
QPSK – 894.76MHz



QPSK – 895.27MHz



16QAM – 894.73MHz



16QAM – 895.24MHz

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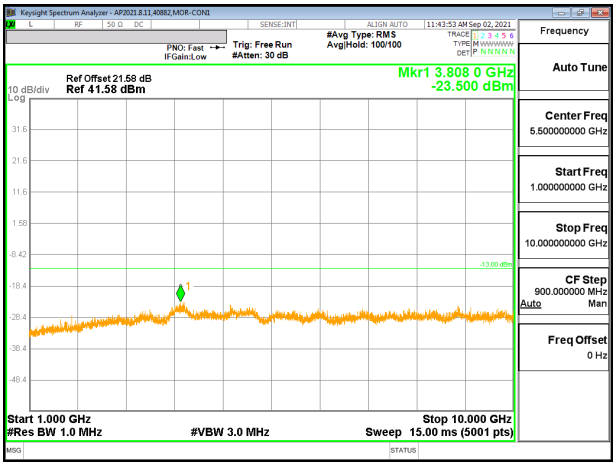
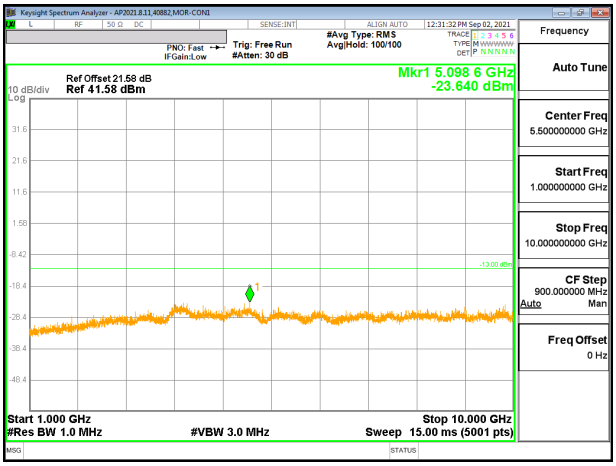
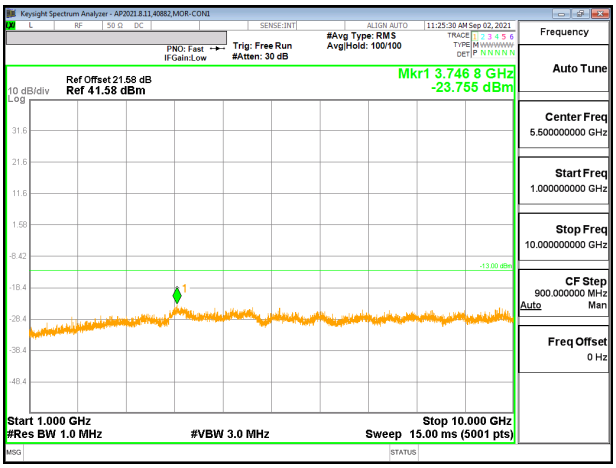


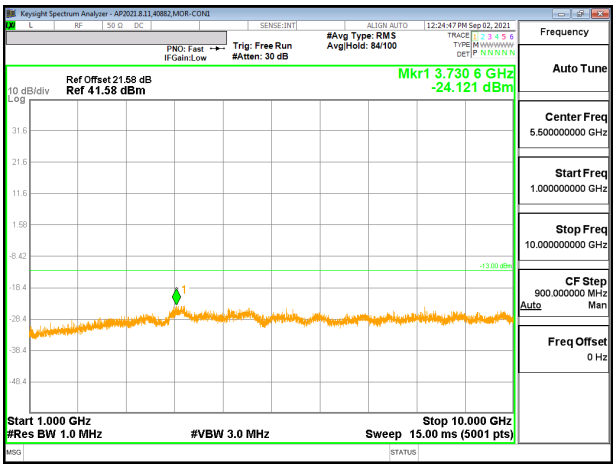
16QAM – 894.76MHz



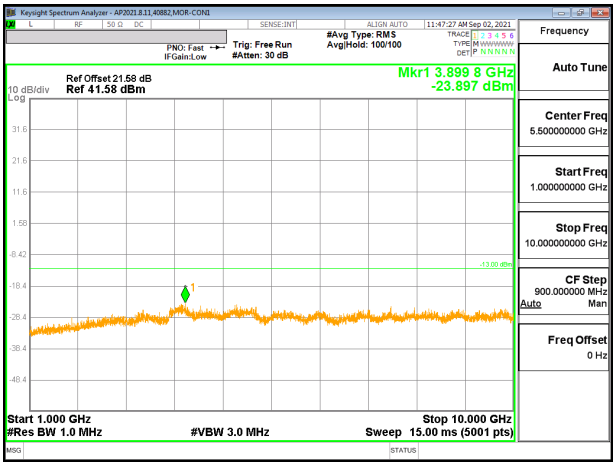
16QAM – 895.27MHz



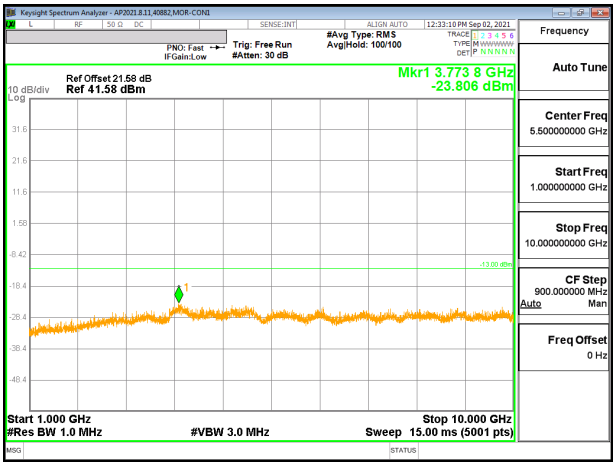
64QAM – 894.73MHz



64QAM – 895.24MHz



64QAM – 894.76MHz



64QAM – 895.27MHz

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9. RADIATED TEST RESULTS

This report contains data provided by the applicant which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer.

9.1 FIELD STRENGTH OF SPURIOUS RADIATION ABOVE 1GHz

TEST PROCEDURE

ANSI C63.26 Clause 5.5.4

Converting field strength to EIRP:

EIRP = E - 104.77dB + 20log(d), at 3m EIRP = E - 95.2

With: E = V + AF + G/L
V = W + 107

Therefore: EIRP = ((W + 107) + AF + G/L) - 95.2 (@3m)
EIRP = W + AF + G/L + 11.8 (@3m)

Where
E = E-field strength in dB(uV/m).
EIRP = equivalent (or effective) isotropically radiated power in dBm. (= P + Gi. P in terms of dBm, Gi in terms of dBi.)
V = voltage in dBuV measured by the spectrum analyzer.
W = power in dBm measured by the spectrum analyzer.
AF = antenna factor of measurement antenna in dB(/m).
G/L = Insertion-loss of cables, filters, and preamps between the measurement antenna and spectrum analyzer, and are usually measured all together. If an external filter is inserted into the string, its IL is added to EIRP or ERP equations.

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz.

LIMITS

FCC: §22.861 (a)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

ISED RSS-127 Section 5.5
Transmitter Unwanted Emissions. The power of any emission outside of the authorized operating frequency ranges must attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

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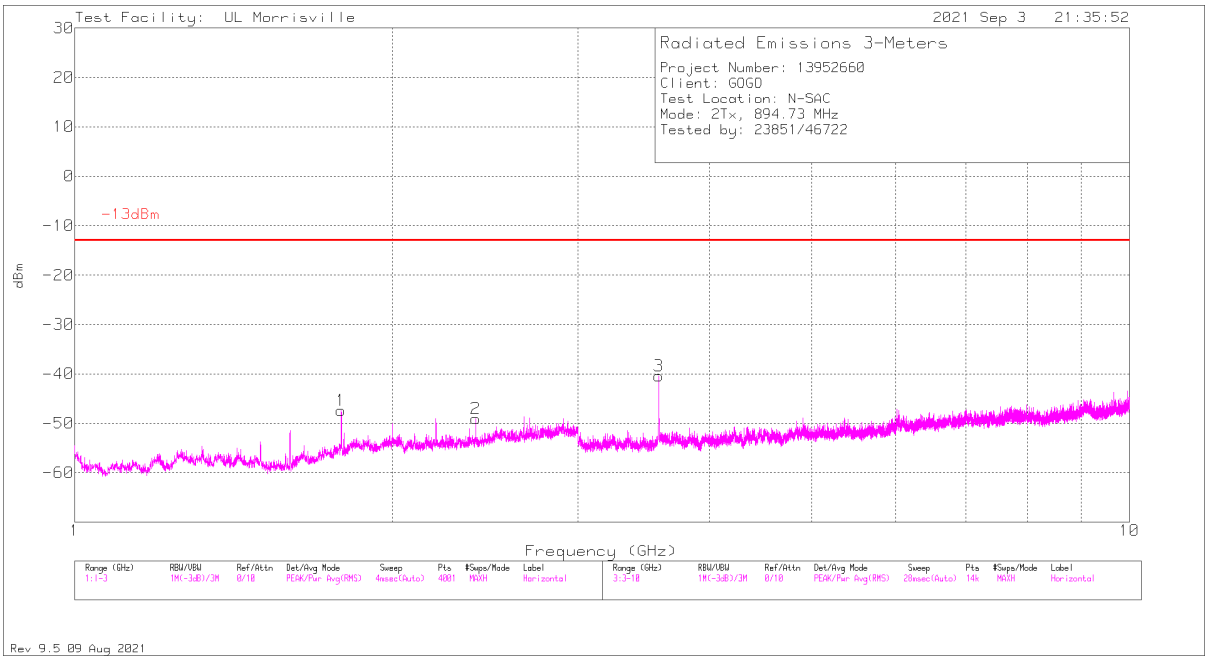
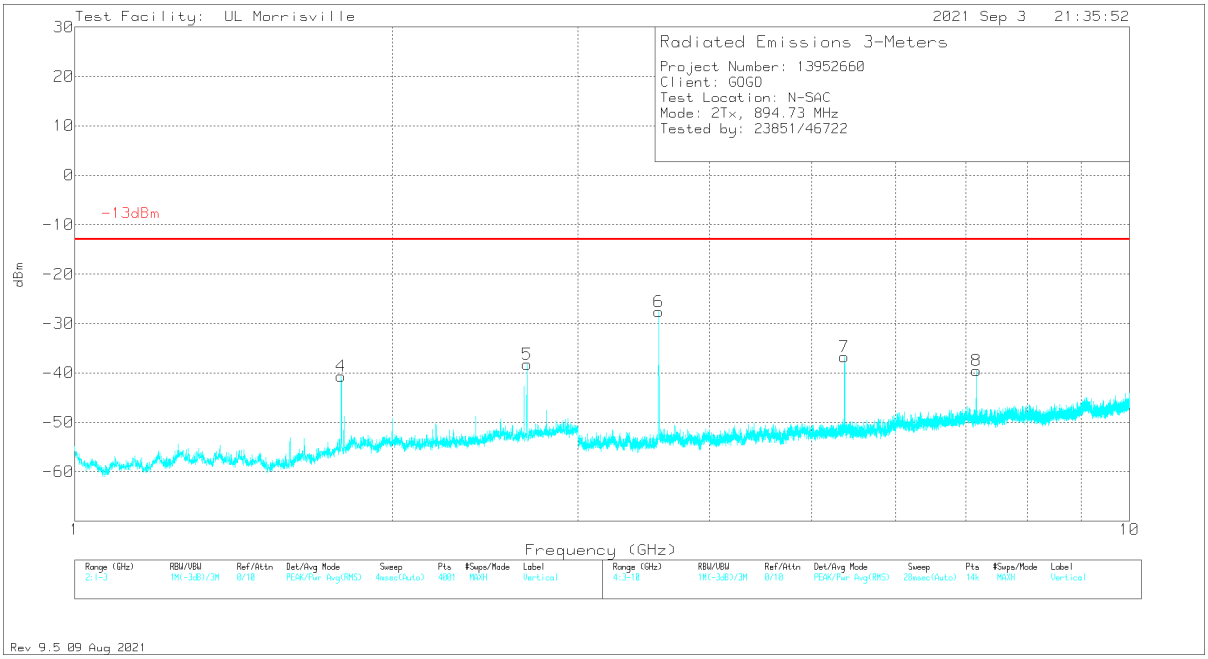
QPSK, 894.73MHz, 2Tx Port A and B





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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0078 (db/m)	Amp/Cbl/Fltr (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	3.5785	-54.08	Pk	33.3	-31.9	.5	11.8	-40.38	-13	-27.38	0-360	299	H
6	3.579	-41.29	Pk	33.3	-31.9	.5	11.8	-27.59	-13	-14.59	0-360	101	V
7	5.3685	-52.41	Pk	34.6	-31.1	.4	11.8	-36.71	-13	-23.71	0-360	101	V
8	7.158	-57.93	Pk	35.8	-29.7	.5	11.8	-39.53	-13	-26.53	0-360	101	V
1	1.7895	-65.14	Pk	30.3	-24.7	.4	11.8	-47.34	-13	-34.34	0-360	299	H
4	1.7895	-58.44	Pk	30.3	-24.7	.4	11.8	-40.64	-13	-27.64	0-360	200	V
2	2.4	-68.76	Pk	31.8	-24.3	.4	11.8	-49.06	-13	-36.06	0-360	101	H
5	2.684	-58.94	Pk	32.5	-24.1	.5	11.8	-38.24	-13	-25.24	0-360	200	V

Pk - Peak detector

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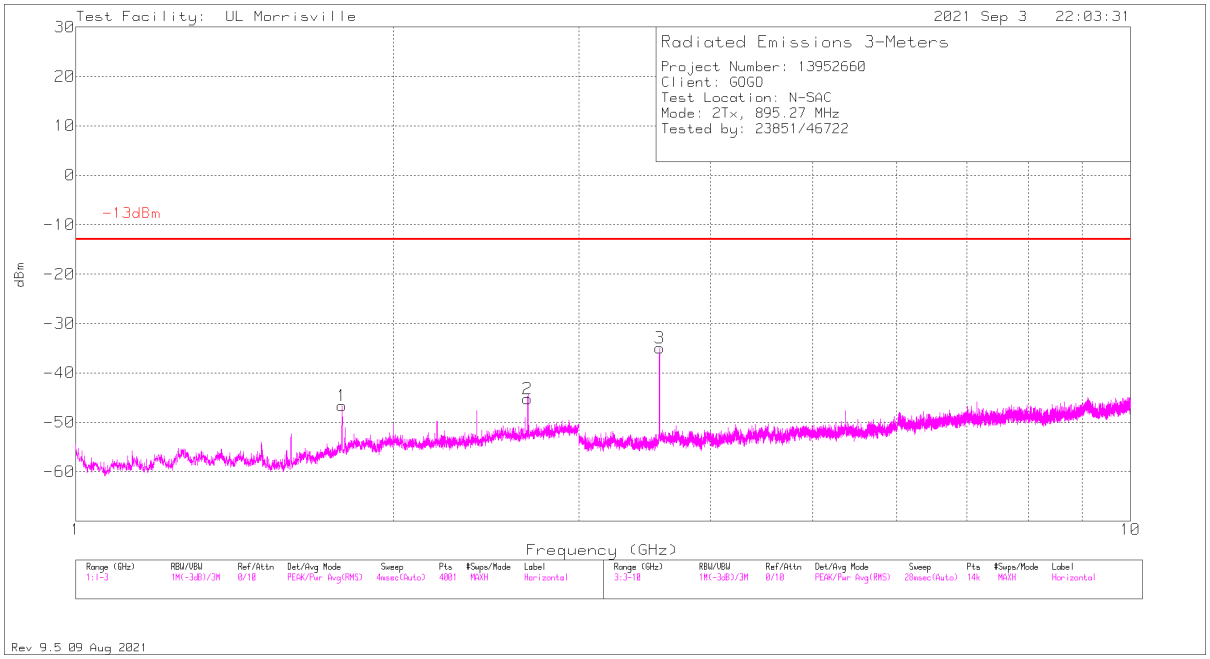
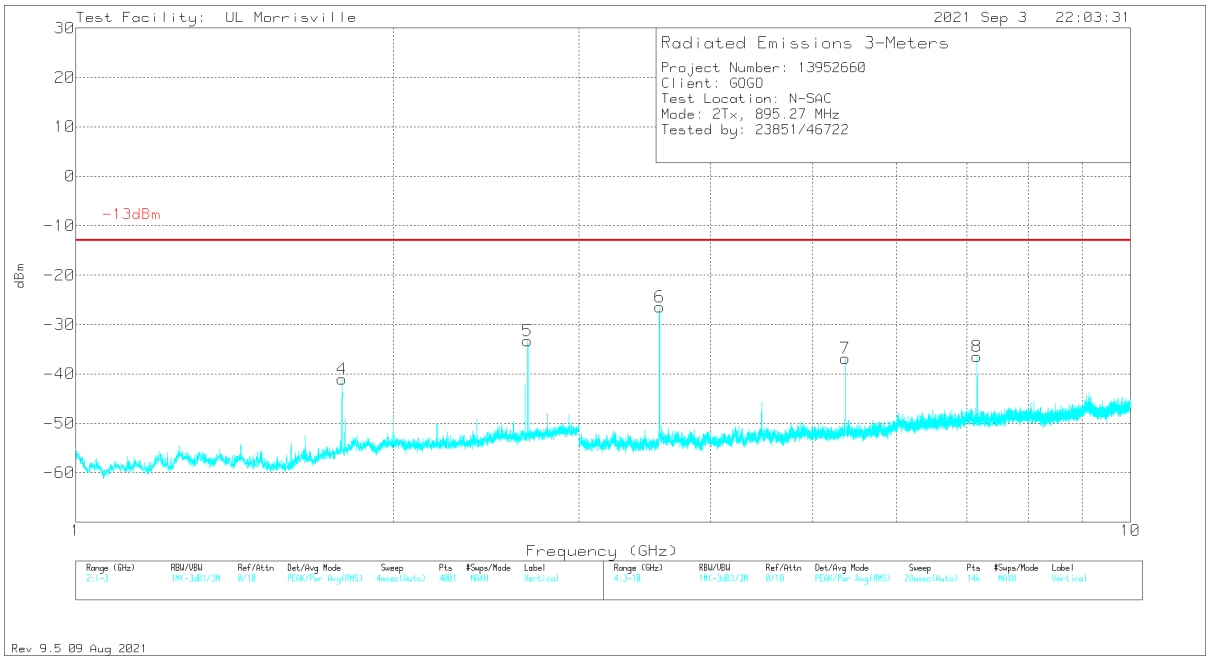
QPSK, 895.27MHz, 2Tx Port A and B





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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0078 (db/m)	Amp/Cbl/Fltr (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	3.5765	-48.68	Pk	33.3	-31.9	.5	11.8	-34.98	-13	-21.98	0-360	300	H
6	3.5765	-40.18	Pk	33.3	-31.9	.5	11.8	-26.48	-13	-13.48	0-360	101	V
7	5.365	-52.79	Pk	34.6	-30.9	.4	11.8	-36.89	-13	-23.89	0-360	101	V
8	7.1545	-55.18	Pk	35.8	-29.4	.5	11.8	-36.48	-13	-23.48	0-360	101	V
4	1.7885	-58.9	Pk	30.3	-24.6	.4	11.8	-41	-13	-28	0-360	200	V
1	1.789	-64.57	Pk	30.3	-24.6	.4	11.8	-46.67	-13	-33.67	0-360	299	H
2	2.683	-66.03	Pk	32.5	-24	.5	11.8	-45.23	-13	-32.23	0-360	299	H
5	2.683	-54.1	Pk	32.5	-24	.5	11.8	-33.3	-13	-20.3	0-360	200	V

Pk - Peak detector

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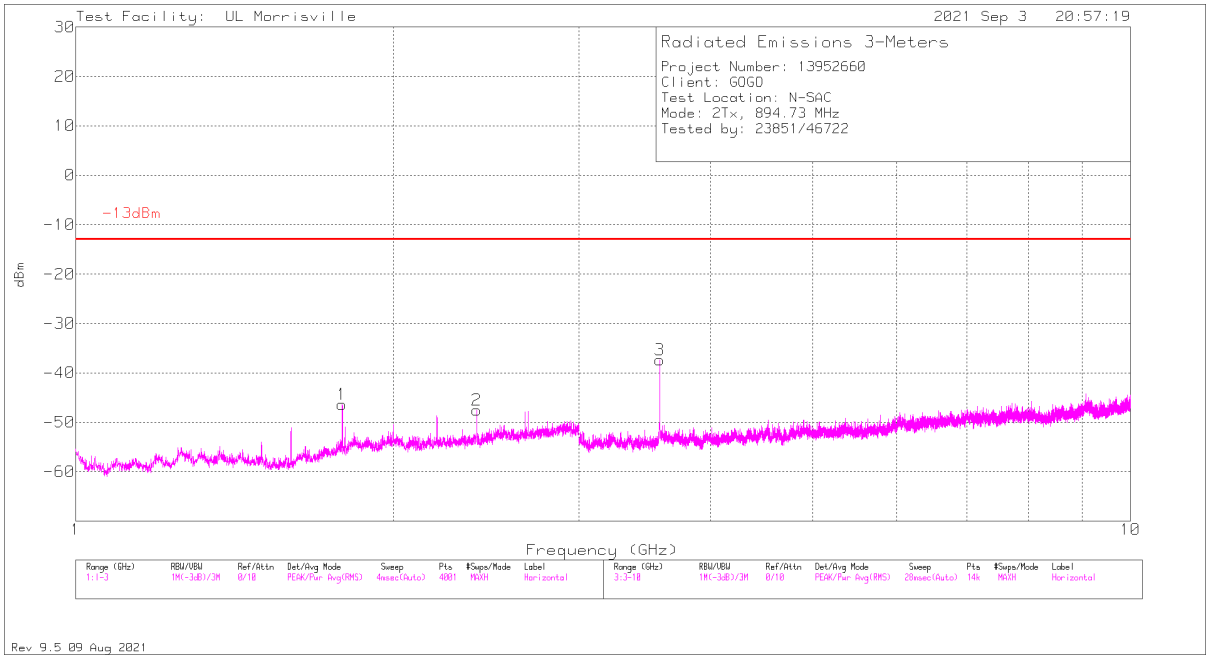
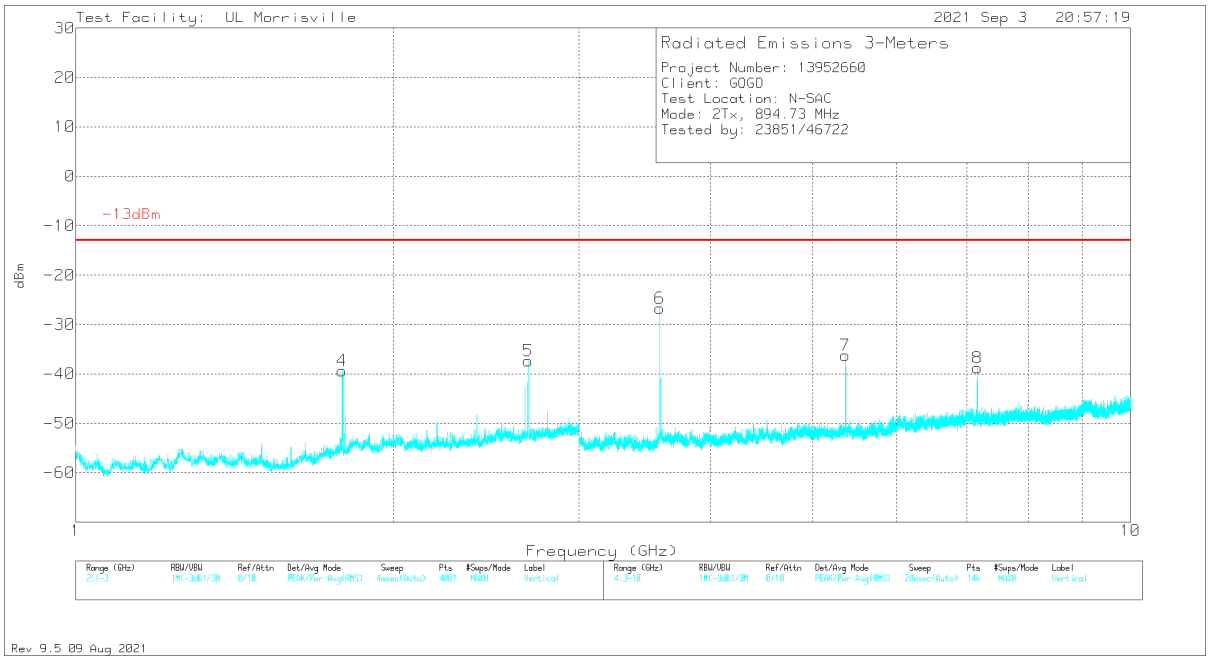
16QAM, 894.73MHz, 2Tx Port A and B





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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0078 (db/m)	Amp/Cbl/Fltr (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	3.5785	-51.03	Pk	33.3	-31.9	.5	11.8	-37.33	-13	-24.33	0-360	299	H
6	3.5785	-40.45	Pk	33.3	-31.9	.5	11.8	-26.75	-13	-13.75	0-360	299	V
7	5.3685	-51.91	Pk	34.6	-31.1	.4	11.8	-36.21	-13	-23.21	0-360	101	V
8	7.158	-57.18	Pk	35.8	-29.7	.5	11.8	-38.78	-13	-25.78	0-360	101	V
1	1.7895	-64.15	Pk	30.3	-24.7	.4	11.8	-46.35	-13	-33.35	0-360	300	H
4	1.7895	-57.14	Pk	30.3	-24.7	.4	11.8	-39.34	-13	-26.34	0-360	101	V
2	2.4	-67.18	Pk	31.8	-24.3	.4	11.8	-47.48	-13	-34.48	0-360	200	H
5	2.684	-58.1	Pk	32.5	-24.1	.5	11.8	-37.4	-13	-24.4	0-360	101	V

Pk - Peak detector

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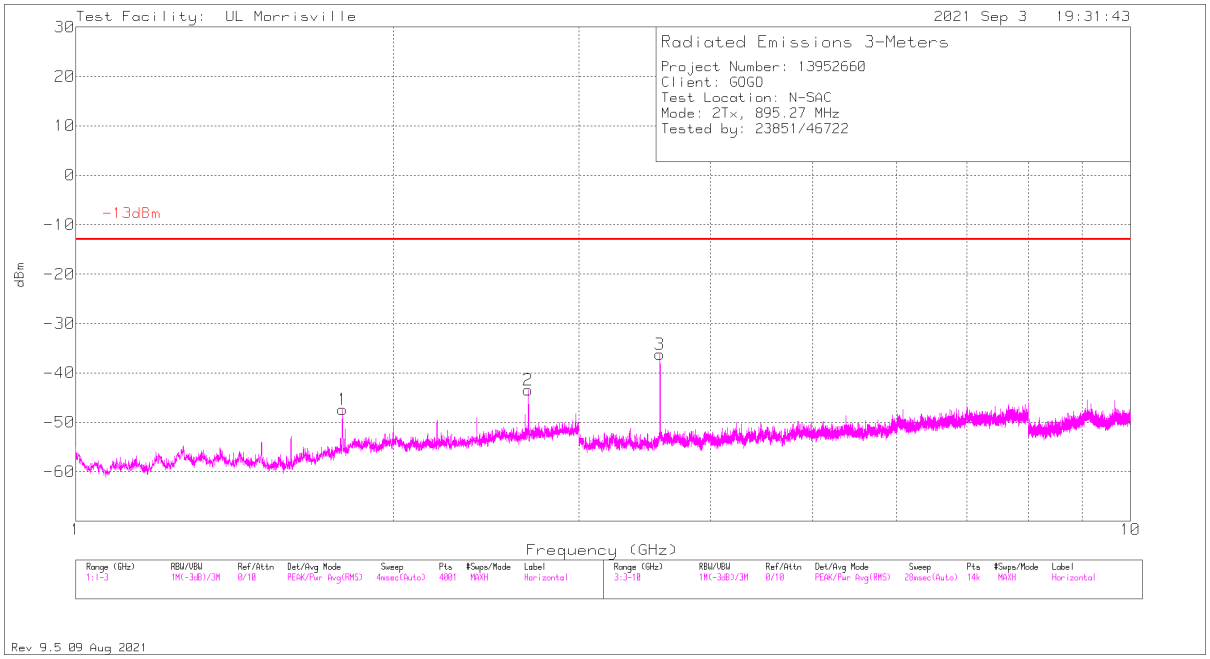
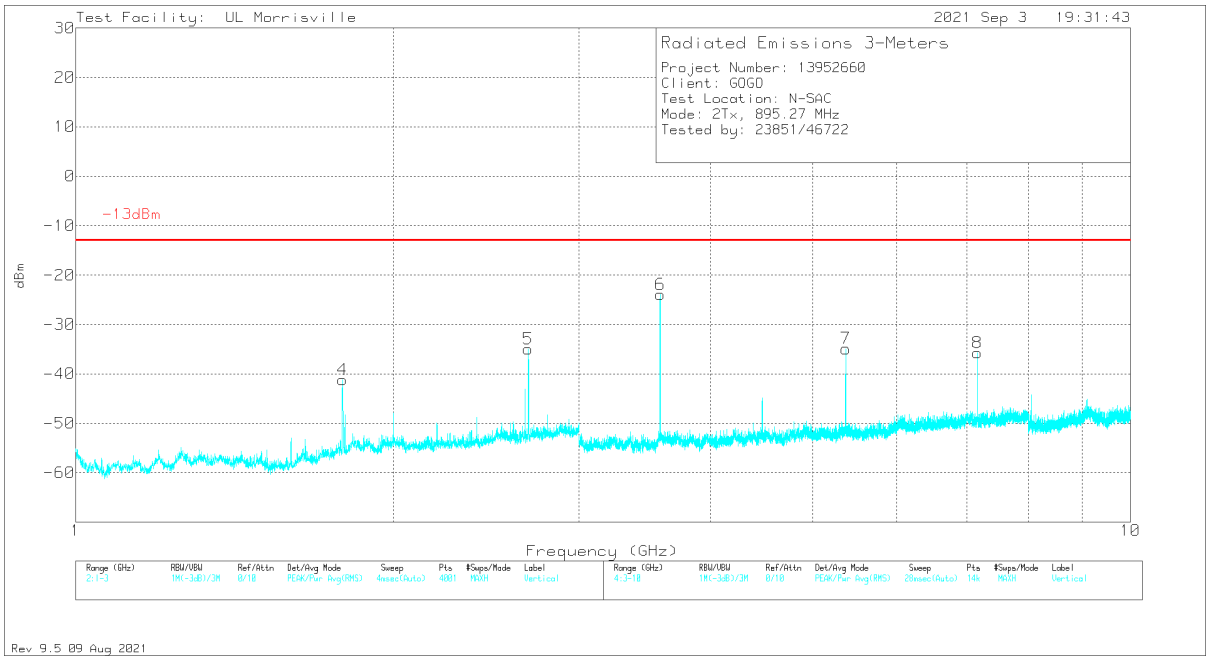
16QAM, 895.27MHz, 2Tx Port A and B





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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0078 (db/m)	Amp/Cbl/Fltr (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	3.5805	-49.91	Pk	33.3	-31.9	.5	11.8	-36.21	-13	-23.21	0-360	299	H
6	3.5815	-37.72	Pk	33.3	-31.9	.6	11.8	-23.92	-13	-10.92	0-360	101	V
7	5.372	-50.79	Pk	34.6	-30.9	.4	11.8	-34.89	-13	-21.89	0-360	101	V
8	7.162	-53.87	Pk	35.8	-30	.5	11.8	-35.77	-13	-22.77	0-360	101	V
1	1.79	-65.23	Pk	30.3	-24.7	.4	11.8	-47.43	-13	-34.43	0-360	299	H
4	1.79075	-58.82	Pk	30.3	-24.7	.3	11.8	-41.12	-13	-28.12	0-360	101	V
2	2.6865	-64.06	Pk	32.5	-24.2	.5	11.8	-43.46	-13	-30.46	0-360	299	H
5	2.6865	-55.61	Pk	32.5	-24.2	.5	11.8	-35.01	-13	-22.01	0-360	299	V

Pk - Peak detector

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9.2 FIELD STRENGTH OF SPURIOUS RADIATION BELOW 1GHz

TEST PROCEDURE

ANSI C63.26 Clause 5.5.4

Converting field strength to ERP:

ERP = EIRP - 2.15 (@3m)

With: EIRP = W + AF + G/L + 11.8 (@3m)

Therefore: ERP = (W + AF + G/L + 11.8) - 2.15 (@3m)
ERP = W + AF + G/L + 9.65 (@3m)

Where

E = E-field strength in dB(uV/m).
EIRP = equivalent (or effective) isotropically radiated power in dBm. (= P + Gi. P in terms of dBm, Gi in terms of dBi.)
ERP = effective radiated power in dBm. (= P + Gd. P in terms of dBm, Gd in terms of dBd.)
V = voltage in dBuV measured by the spectrum analyzer.
W = power in dBm measured by the spectrum analyzer.
AF = antenna factor of measurement antenna in dB(/m).
G/L = Insertion-loss of cables, filters, and preamps between the measurement antenna and spectrum analyzer, and are usually measured all together. If an external filter is inserted into the string, its IL is added to EIRP or ERP equations.

All tests below 1GHz were done with a Resolution Bandwidth of 100kHz, and a Video Bandwidth of 300kHz.

LIMITS

FCC: §22.917 (a)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

ISED RSS-127 Section
5.5 Transmitter Unwanted Emissions. The power of any emission outside of the authorized operating frequency ranges must attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

RESULTS: 30MHz to 1000MHz

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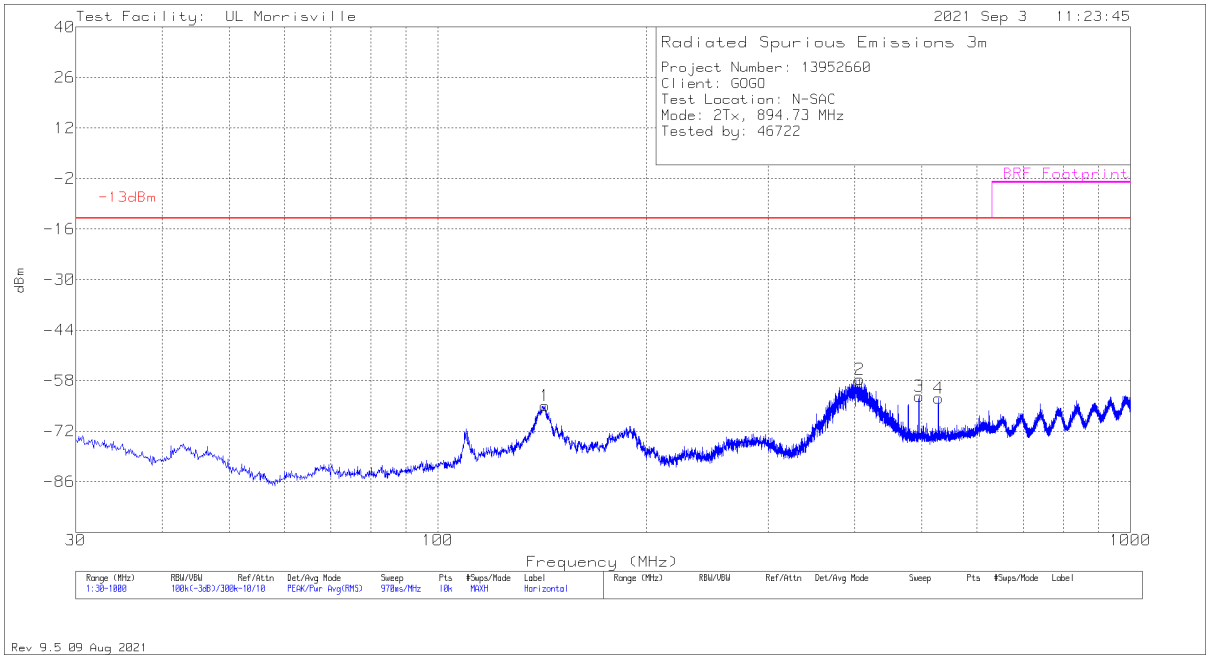
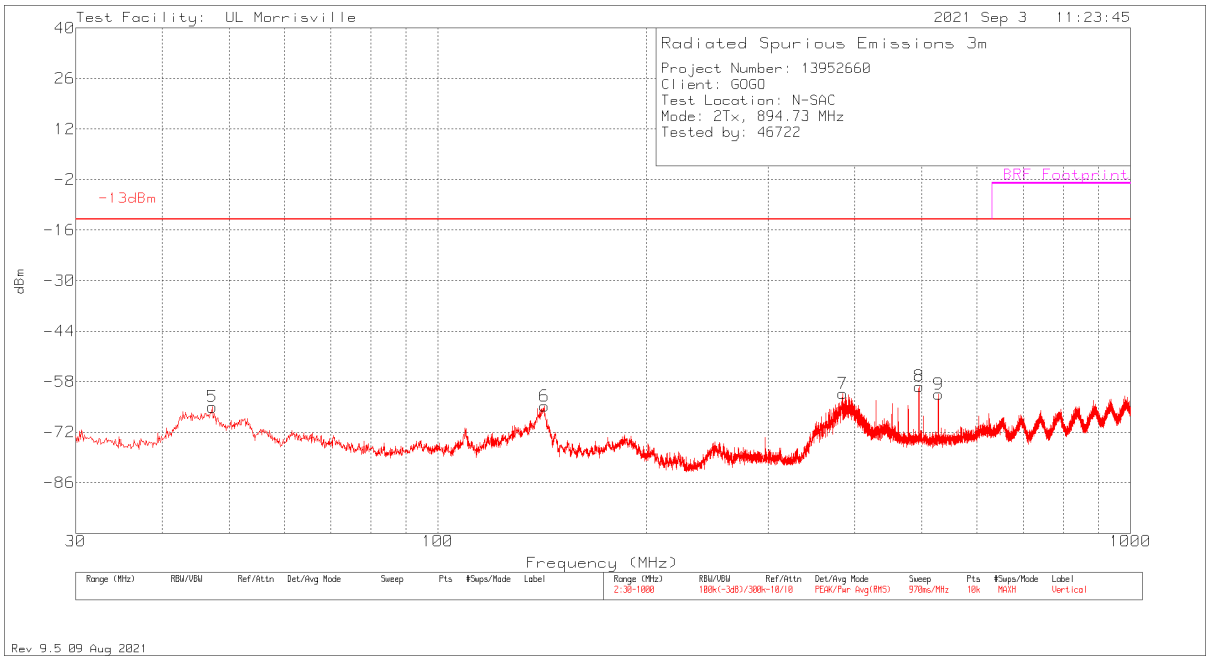
QPSK, 894.73MHz, 2Tx Port A and B





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Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	- 13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	47.266	-58.92	Pk	15.1	-31	.1	9.7	-65.02	-13	-52.02	0-360	100	V
6	142.423	-63.95	Pk	19	-30	.5	9.7	-64.75	-13	-51.75	0-360	100	V
1	142.714	-64.03	Pk	18.9	-30	.5	9.7	-64.93	-13	-51.93	0-360	199	H
7	384.535	-64.84	Pk	21.3	-27.9	.5	9.7	-61.24	-13	-48.24	0-360	100	V
2	406.263	-61.86	Pk	22	-27.9	.4	9.7	-57.66	-13	-44.66	0-360	100	H
3	495.018	-69.19	Pk	24	-27.4	.6	9.7	-62.29	-13	-49.29	0-360	100	H
8	495.018	-66.19	Pk	24	-27.4	.6	9.7	-59.29	-13	-46.29	0-360	100	V
4	527.998	-70.11	Pk	24.1	-27.2	.7	9.7	-62.81	-13	-49.81	0-360	199	H
9	527.998	-68.72	Pk	24.1	-27.2	.7	9.7	-61.42	-13	-48.42	0-360	100	V

Pk - Peak detector

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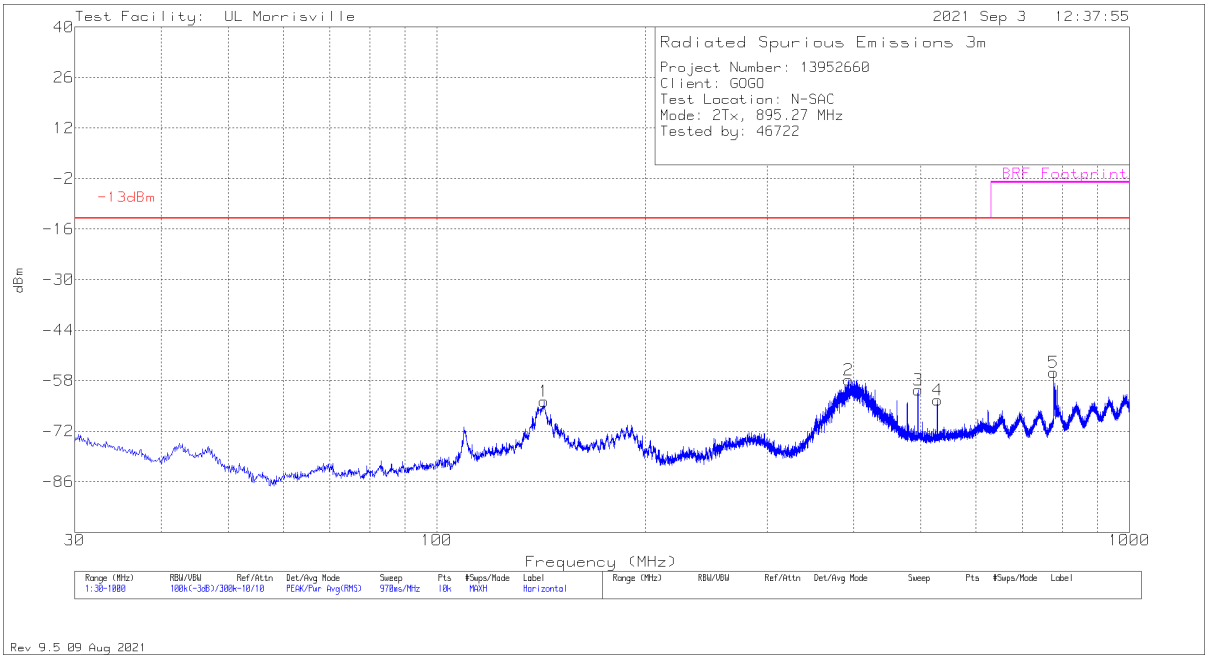
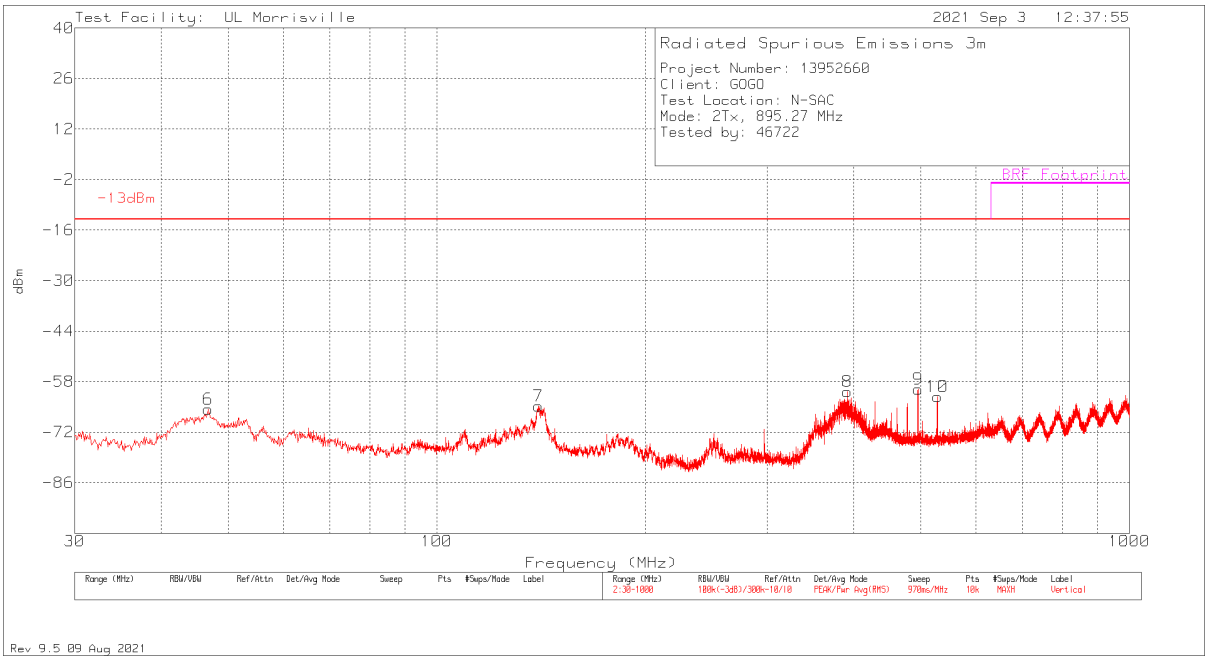
QPSK, 895.27MHz, 2Tx Port A and B





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Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	46.781	-59.77	Pk	15.4	-31	.1	9.7	-65.57	-13	-52.57	0-360	100	V
7	140.289	-64.24	Pk	19.1	-29.9	.5	9.7	-64.84	-13	-51.84	0-360	100	V
1	142.811	-62.85	Pk	18.9	-30	.5	9.7	-63.75	-13	-50.75	0-360	200	H
8	391.519	-64.53	Pk	21.5	-27.9	.5	9.7	-60.73	-13	-47.73	0-360	100	V
2	393.556	-61.71	Pk	21.5	-27.7	.4	9.7	-57.81	-13	-44.81	0-360	99	H
3	495.018	-67.49	Pk	24	-27.4	.6	9.7	-60.59	-13	-47.59	0-360	200	H
9	495.018	-66.91	Pk	24	-27.4	.6	9.7	-60.01	-13	-47.01	0-360	100	V
4	527.998	-70.67	Pk	24.1	-27.2	.7	9.7	-63.37	-13	-50.37	0-360	200	H
10	527.998	-69.42	Pk	24.1	-27.2	.7	9.7	-62.12	-13	-49.12	0-360	100	V
5	777.773	-69.64	Pk	27.7	-25.9	2.4	9.7	-55.74	-13	-42.74	0-360	400	H

Pk - Peak detector

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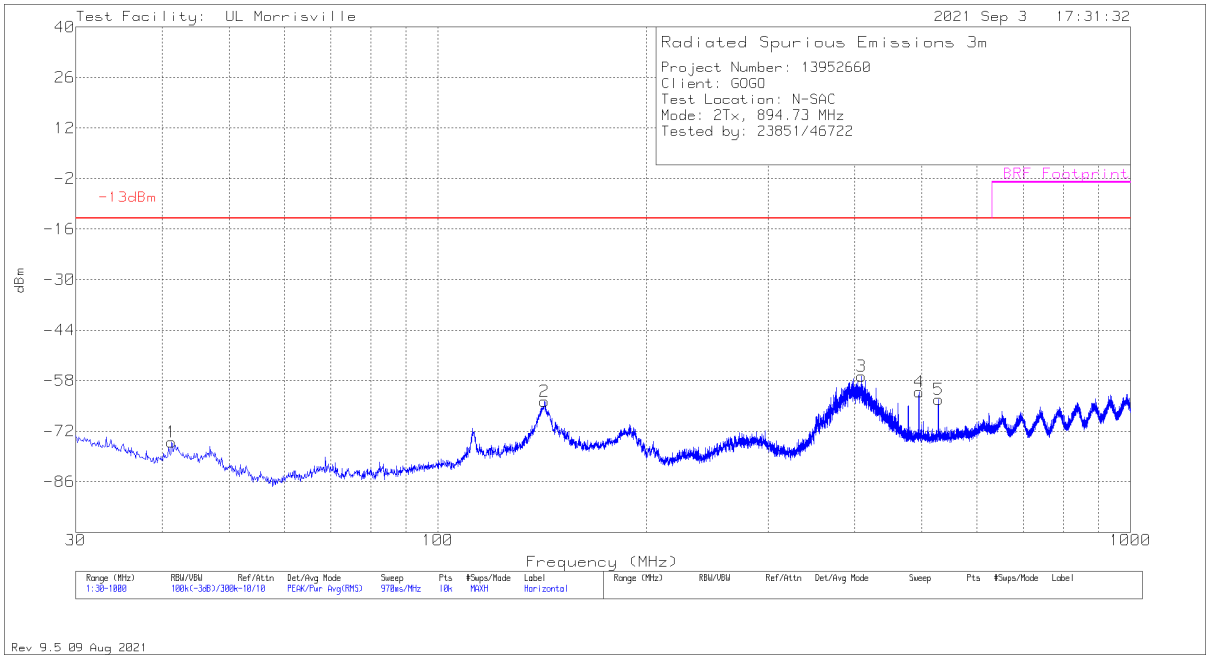
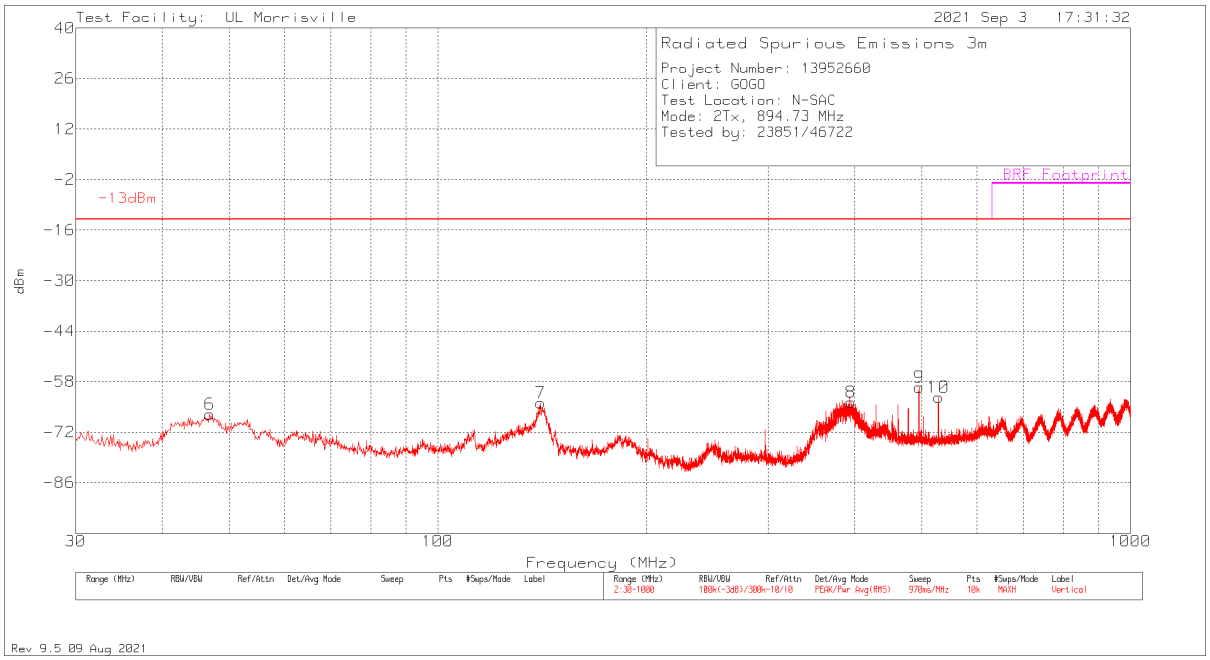
16QAM, 894.73MHz, 2Tx Port A and B





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Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	41.252	-72.8	Pk	19.2	-31.3	.1	9.7	-75.1	-13	-62.1	0-360	399	H
6	46.878	-61.07	Pk	15.4	-31.1	.1	9.7	-66.97	-13	-53.97	0-360	100	V
7	140.774	-63.21	Pk	19.1	-30	.5	9.7	-63.91	-13	-50.91	0-360	100	V
2	142.52	-62.83	Pk	18.9	-30	.5	9.7	-63.73	-13	-50.73	0-360	199	H
8	395.108	-67.44	Pk	21.6	-28	.4	9.7	-63.74	-13	-50.74	0-360	100	V
3	409.173	-61.33	Pk	22.1	-27.7	.4	9.7	-56.83	-13	-43.83	0-360	100	H
4	495.018	-67.99	Pk	24	-27.4	.6	9.7	-61.09	-13	-48.09	0-360	100	H
9	495.018	-66.51	Pk	24	-27.4	.6	9.7	-59.61	-13	-46.61	0-360	100	V
5	527.998	-70.44	Pk	24.1	-27.2	.7	9.7	-63.14	-13	-50.14	0-360	199	H
10	527.998	-69.62	Pk	24.1	-27.2	.7	9.7	-62.32	-13	-49.32	0-360	100	V

Pk - Peak detector

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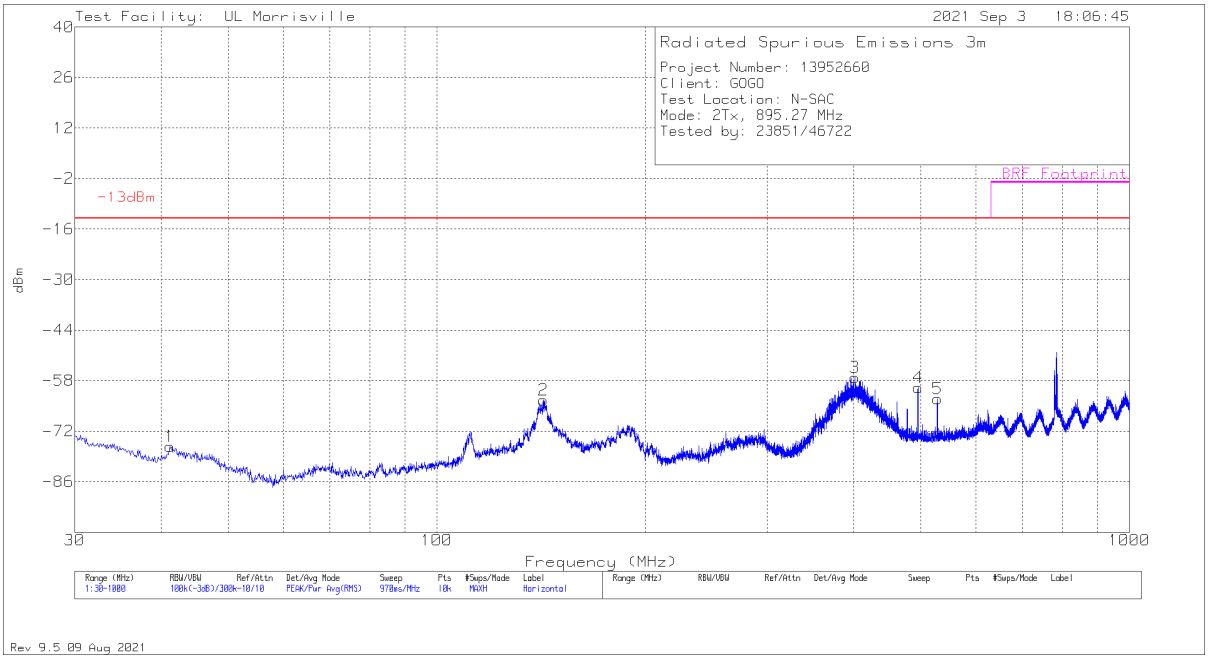
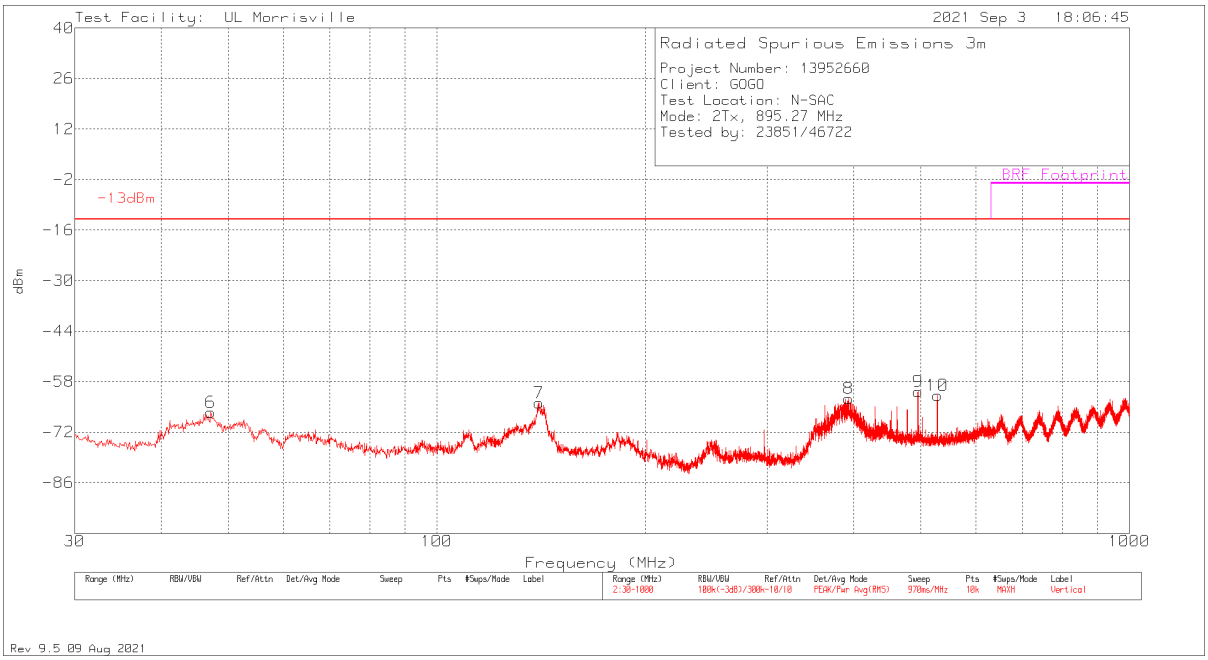
16QAM, 895.27MHz, 2Tx Port A and B





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Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Filter (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	41.155	-74	Pk	19.3	-31.3	.1	9.7	-76.2	-13	-63.2	0-360	299	H
6	47.169	-60.57	Pk	15.2	-30.9	.1	9.7	-66.47	-13	-53.47	0-360	100	V
7	140.58	-63.06	Pk	19.1	-30.1	.5	9.7	-63.86	-13	-50.86	0-360	100	V
2	142.617	-62.53	Pk	18.9	-30	.5	9.7	-63.43	-13	-50.43	0-360	199	H
8	393.362	-66.55	Pk	21.5	-27.8	.4	9.7	-62.75	-13	-49.75	0-360	100	V
3	401.316	-61.14	Pk	21.8	-27.9	.4	9.7	-57.14	-13	-44.14	0-360	99	H
4	495.018	-66.83	Pk	24	-27.4	.6	9.7	-59.93	-13	-46.93	0-360	199	H
9	495.018	-67.73	Pk	24	-27.4	.6	9.7	-60.83	-13	-47.83	0-360	100	V
5	527.998	-70.25	Pk	24.1	-27.2	.7	9.7	-62.95	-13	-49.95	0-360	199	H
10	527.998	-69.17	Pk	24.1	-27.2	.7	9.7	-61.87	-13	-48.87	0-360	100	V

Pk - Peak detector

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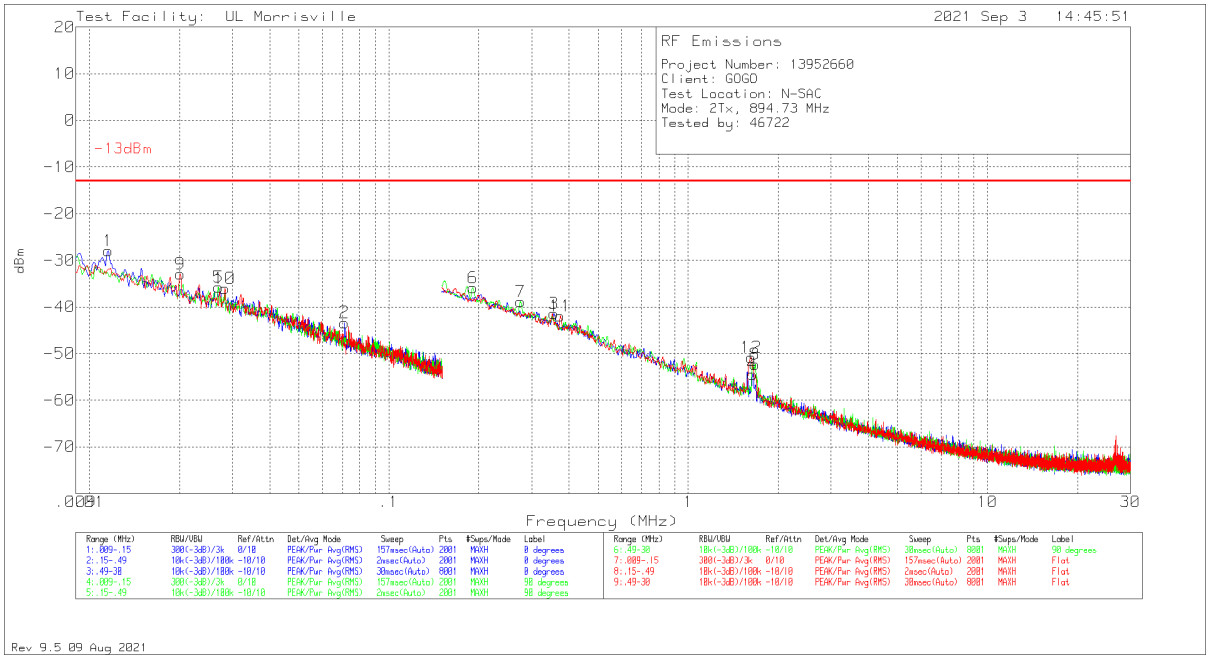
RESULTS: Below 30MHz

QPSK, 894.73MHz, 2Tx Port A and B



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0079 (dB/m)	Cbl (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
1	.01156	-57.6	Pk	17.7	.1	11.8	-28	-13	-15	0-360	400	0 degs
9	.02008	-58.89	Pk	14.1	.1	11.8	-32.89	-13	-19.89	0-360	400	Flat
5	.02696	-61.22	Pk	13.6	.1	11.8	-35.72	-13	-22.72	0-360	400	90 degs
10	.02838	-61.46	Pk	13.5	.1	11.8	-36.06	-13	-23.06	0-360	400	Flat
2	.0712	-66.76	Pk	11.5	.1	11.8	-43.36	-13	-30.36	0-360	400	0 degs
6	.19063	-58.98	Pk	11.2	.1	11.8	-35.88	-13	-22.88	0-360	400	90 degs
7	.27504	-62	Pk	11.2	.1	11.8	-38.9	-13	-25.9	0-360	400	90 degs
3	.35579	-64.56	Pk	11.2	.1	11.8	-41.46	-13	-28.46	0-360	400	0 degs
11	.37423	-65.07	Pk	11.2	.1	11.8	-41.97	-13	-28.97	0-360	400	Flat
12	1.62252	-74.28	Pk	11.4	.2	11.8	-50.88	-13	-37.88	0-360	400	Flat
4	1.64281	-77.85	Pk	11.4	.2	11.8	-54.45	-13	-41.45	0-360	400	0 degs
8	1.67417	-75.81	Pk	11.4	.3	11.8	-52.31	-13	-39.31	0-360	400	90 degs

Pk - Peak detector

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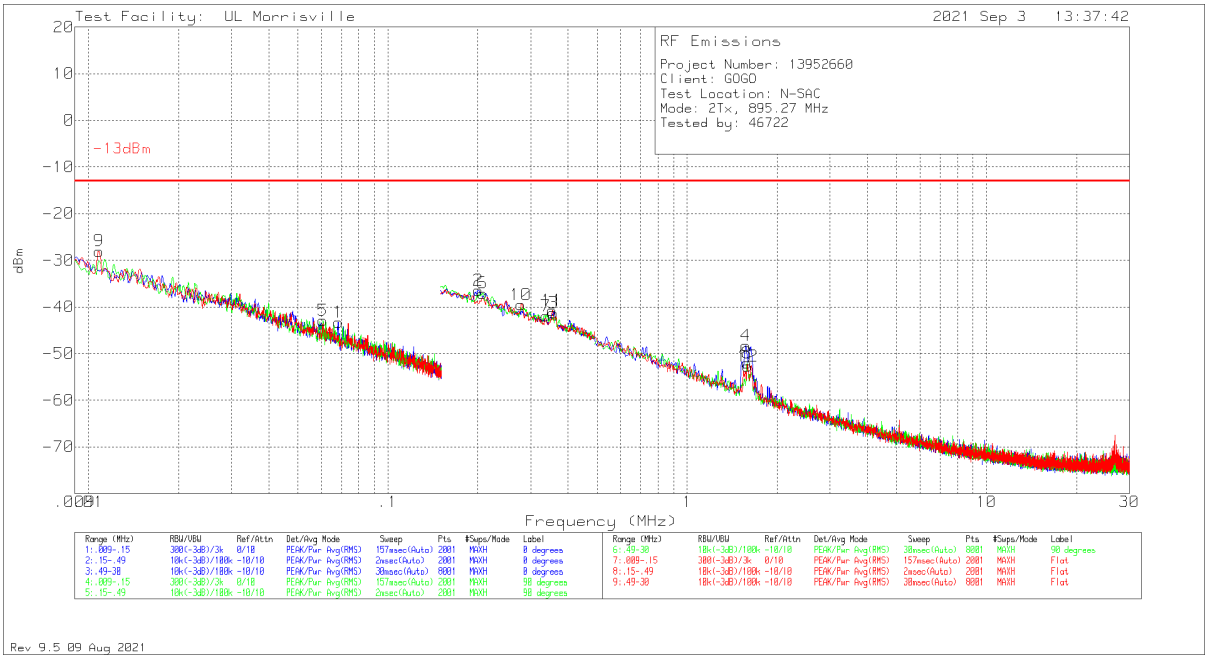
QPSK, 895.27MHz, 2Tx Port A and B



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0079 (dB/m)	Cbl (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
9	.01085	-57.93	Pk	18	.1	11.8	-28.03	-13	-15.03	0-360	400	Flat
5	.06076	-66.35	Pk	11.6	.1	11.8	-42.85	-13	-29.85	0-360	400	90 degs
1	.06843	-66.71	Pk	11.5	.1	11.8	-43.31	-13	-30.31	0-360	101	0 degs
2	.20092	-59.48	Pk	11.2	.1	11.8	-36.38	-13	-23.38	0-360	101	0 degs
6	.20772	-60.14	Pk	11.2	.1	11.8	-37.04	-13	-24.04	0-360	400	90 degs
10	.27869	-62.58	Pk	11.2	.1	11.8	-39.48	-13	-26.48	0-360	400	Flat
7	.33819	-65.1	Pk	11.2	.1	11.8	-42	-13	-29	0-360	400	90 degs
11	.35417	-63.88	Pk	11.2	.1	11.8	-40.78	-13	-27.78	0-360	400	Flat
3	.35664	-64.38	Pk	11.2	.1	11.8	-41.28	-13	-28.28	0-360	101	0 degs
4	1.57088	-71.68	Pk	11.4	.2	11.8	-48.28	-13	-35.28	0-360	101	0 degs
8	1.58194	-75.38	Pk	11.4	.2	11.8	-51.98	-13	-38.98	0-360	400	90 degs
12	1.59301	-76.1	Pk	11.4	.2	11.8	-52.7	-13	-39.7	0-360	400	Flat

Pk - Peak detector

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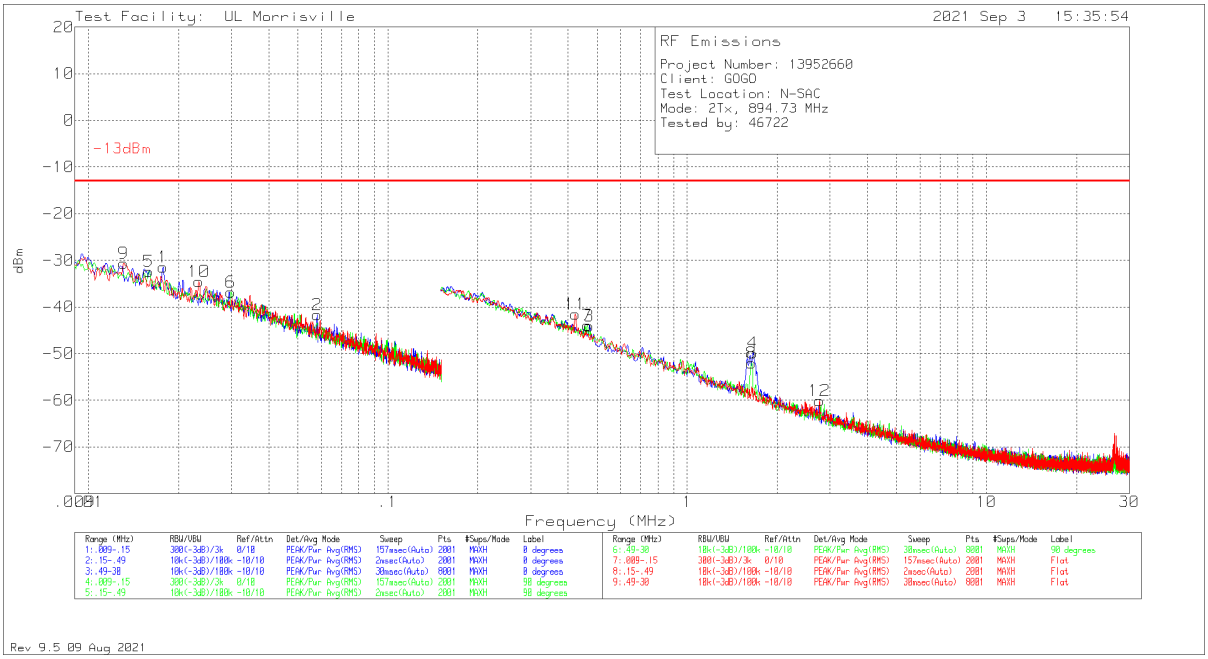
16QAM, 894.73MHz, 2Tx Port A and B



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0079 (dB/m)	Cbl (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
9	.01312	-59.6	Pk	17.1	.1	11.8	-30.6	-13	-17.6	0-360	400	Flat
5	.01589	-60.17	Pk	15.9	.1	11.8	-32.37	-13	-19.37	0-360	400	90 degs
1	.01773	-58.41	Pk	15.1	.1	11.8	-31.41	-13	-18.41	0-360	400	0 degs
10	.02341	-60.22	Pk	13.8	.1	11.8	-34.52	-13	-21.52	0-360	400	Flat
6	.02991	-62.05	Pk	13.3	.1	11.8	-36.85	-13	-23.85	0-360	400	90 degs
2	.05806	-65.33	Pk	11.7	.1	11.8	-41.73	-13	-28.73	0-360	400	0 degs
11	.42294	-64.79	Pk	11.2	.2	11.8	-41.59	-13	-28.59	0-360	400	Flat
7	.46416	-67.21	Pk	11.2	.2	11.8	-44.01	-13	-31.01	0-360	400	90 degs
3	.47147	-67.24	Pk	11.2	.2	11.8	-44.04	-13	-31.04	0-360	400	0 degs
8	1.64097	-75.43	Pk	11.4	.2	11.8	-52.03	-13	-39.03	0-360	400	90 degs
4	1.65941	-73.27	Pk	11.4	.2	11.8	-49.87	-13	-36.87	0-360	400	0 degs
12	2.76611	-83.54	Pk	11.4	.3	11.8	-60.04	-13	-47.04	0-360	400	Flat

Pk - Peak detector

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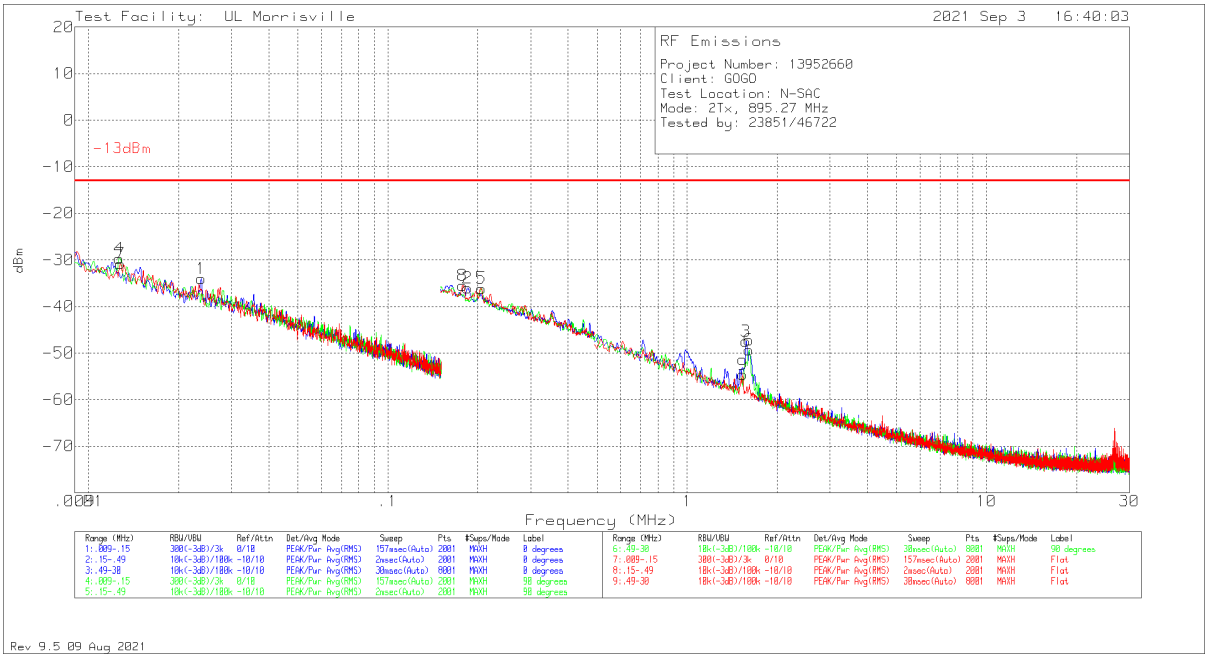
16QAM, 895.27MHz, 2Tx Port A and B



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AT0079 (dB/m)	Cbl (dB)	Conversion Factor (dB)	Corrected Reading dBm	-13dBm	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Loop Angle
1	.02377	-59.68	Pk	13.8	.1	11.8	-33.98	-13	-20.98	0-360	400	On
2	.18494	-59.11	Pk	11.2	.1	11.8	-36.01	-13	-23.01	0-360	400	On
3	1.57088	-70.9	Pk	11.4	.2	11.8	-47.5	-13	-34.5	0-360	400	On
4	.01269	-58.76	Pk	17.2	.1	11.8	-29.66	-13	-16.66	0-360	400	Off
5	.20517	-59.2	Pk	11.2	.1	11.8	-36.1	-13	-23.1	0-360	400	Off
6	1.61146	-72.71	Pk	11.4	.2	11.8	-49.31	-13	-36.31	0-360	400	Off
7	.01276	-59.89	Pk	17.2	.1	11.8	-30.79	-13	-17.79	0-360	400	Flat
8	.17814	-58.6	Pk	11.2	.1	11.8	-35.5	-13	-22.5	0-360	400	Flat
9	1.53399	-78.01	Pk	11.4	.2	11.8	-54.61	-13	-41.61	0-360	400	Flat

Pk - Peak detector

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10. RECIEVER SPURIOUS EMISSIONS

RSS-127 Section 5.6, RSS GEN Section 7.3

Radiated emission measurements shall be performed with the receiver antenna connected to the receiver antenna ports. The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least five times the highest tunable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.

Spurious emissions from receivers shall not exceed the radiated emissions limits shown in table 3.

Table 3 – Receiver radiated emissions limits

Frequency (MHz)	Field strength (µV/m at 3 metres)
30 – 88	100
88 – 216	150
216 – 960	200
Above 960	500

Note 1: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with RSS Gen section 6.6.

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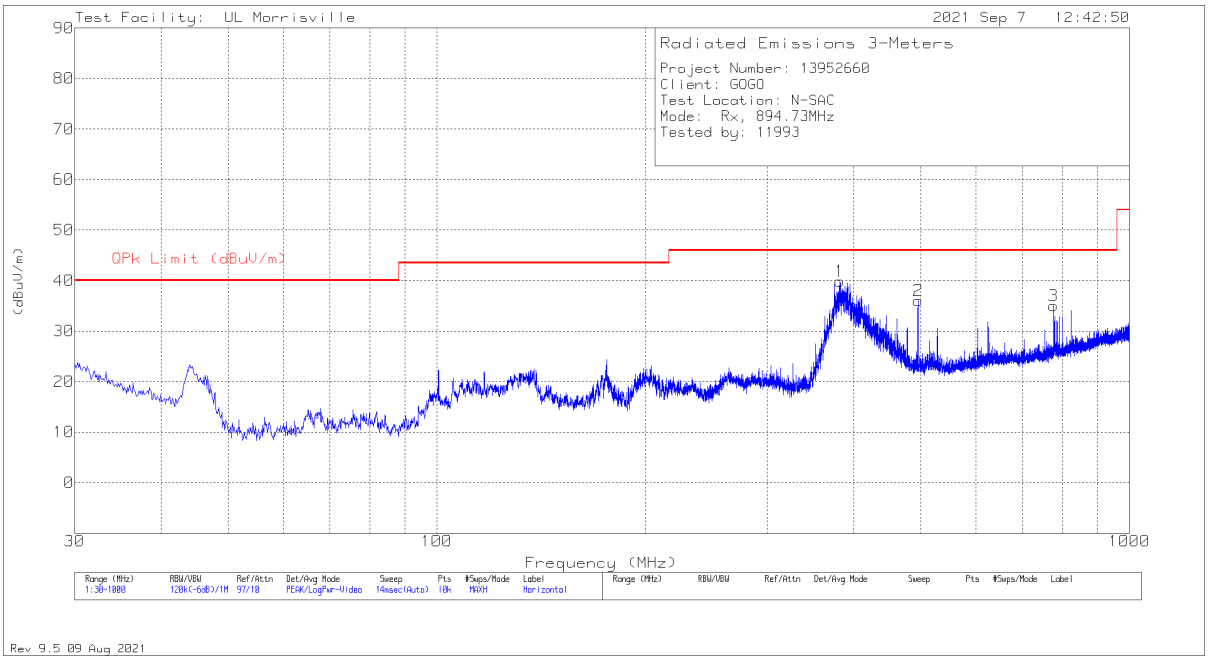
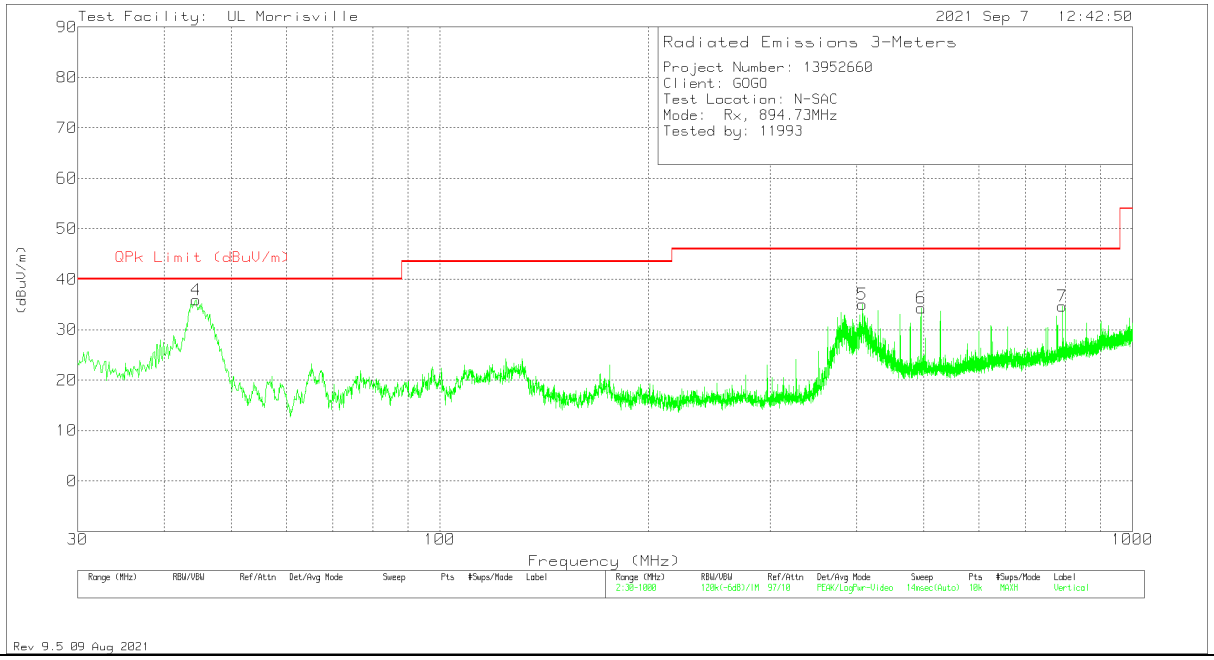
RADIATED EMISSIONS 30 TO 1000 MHz





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Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	44.3993	48.43	Qp	16.9	-31.3	34.03	40	-5.97	149	100	V
1	382.207	46.48	Pk	21.3	-27.9	39.88	46.02	-6.14	0-360	100	H
5	407.039	40.87	Pk	22.1	-27.9	35.07	46.02	-10.95	0-360	100	V
2	495.018	39.4	Pk	24	-27.4	36	46.02	-10.02	0-360	200	H
6	495.018	37.68	Pk	24	-27.4	34.28	46.02	-11.74	0-360	100	V
3	777.87	33.15	Pk	27.7	-25.8	35.05	46.02	-10.97	0-360	200	H
7	792.032	32.55	Pk	27.7	-25.6	34.65	46.02	-11.37	0-360	100	V

Pk - Peak detector

Qp - Quasi-Peak detector

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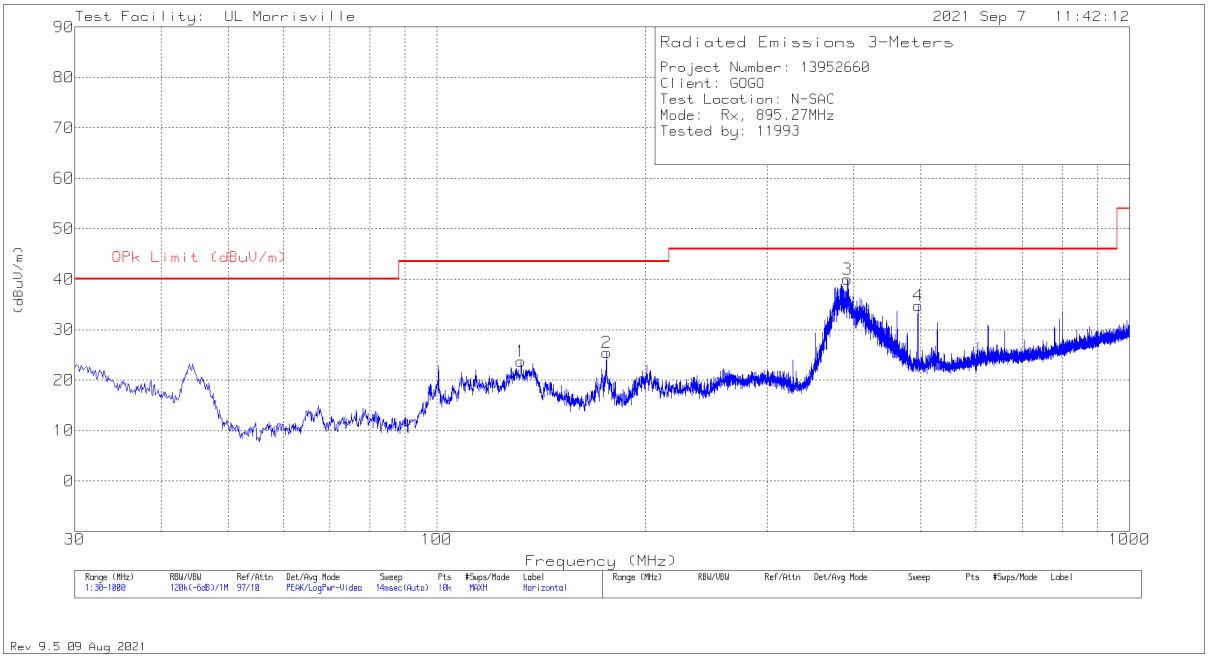

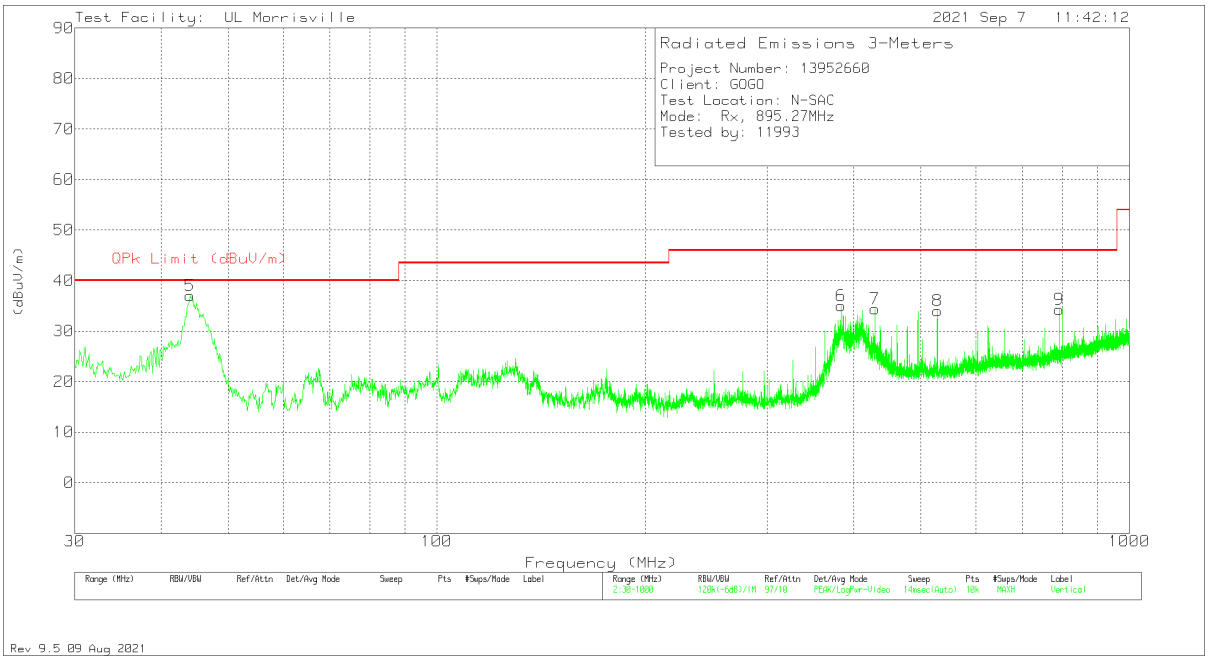

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Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0066 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	44.1099	47.99	Qp	17.1	-31.2	33.89	40	-6.11	84	100	V
1	132.335	34	Pk	19.7	-30	23.7	43.52	-19.82	0-360	200	H
2	175.985	37.64	Pk	17.5	-29.7	25.44	43.52	-18.08	0-360	200	H
6	383.274	41.75	Pk	21.3	-28	35.05	46.02	-10.97	0-360	100	V
3	392.1151	41.46	Qp	21.5	-28	34.96	46.02	-11.06	194	104	H
7	428.961	39.27	Pk	22.7	-27.6	34.37	46.02	-11.65	0-360	100	V
4	495.018	38.19	Pk	24	-27.4	34.79	46.02	-11.23	0-360	200	H
8	527.998	37.16	Pk	24.1	-27.2	34.06	46.02	-11.96	0-360	100	V
9	792.032	32.22	Pk	27.7	-25.6	34.32	46.02	-11.7	0-360	100	V

Pk - Peak detector

Qp - Quasi-Peak detector

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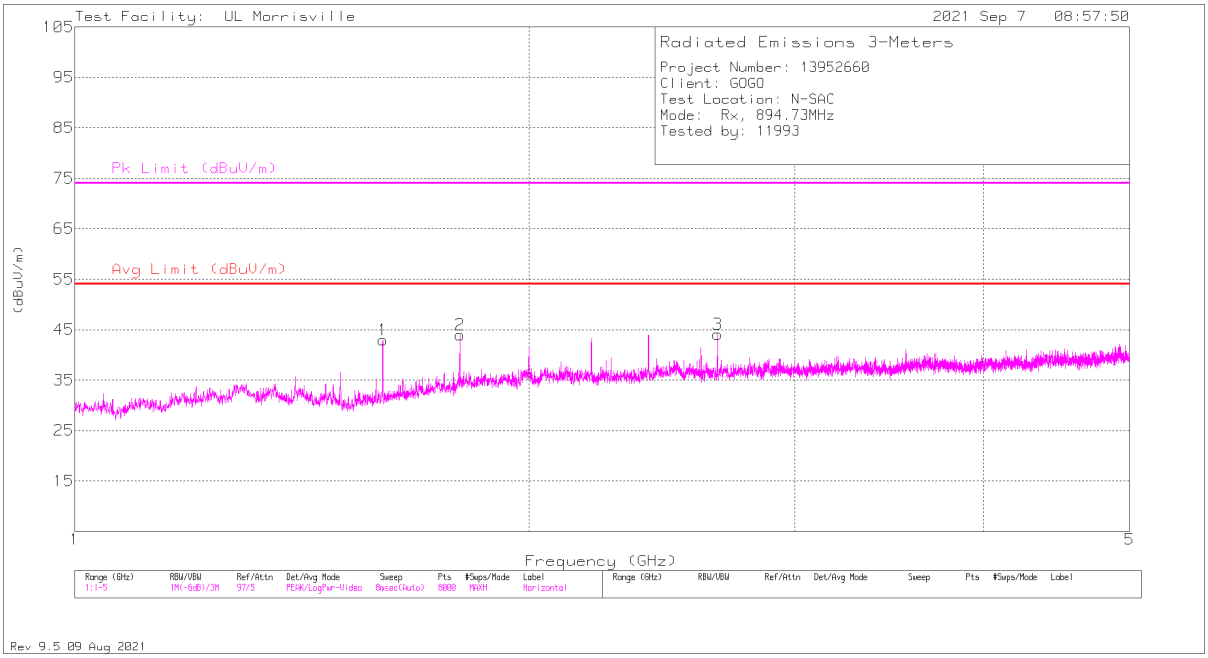
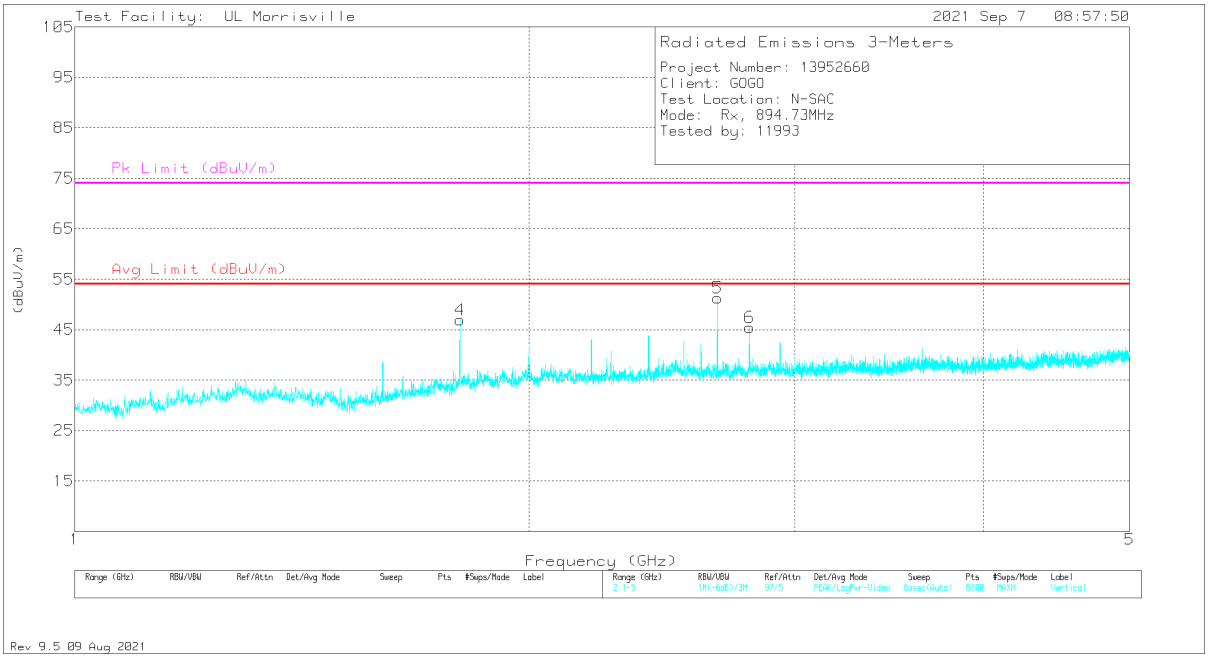
RADIATED EMISSIONS 1000 TO 5,000 MHz





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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0078 (db/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.60008	50.97	Pk	27.7	-35.7	42.97	54	-11.03	74	-31.03	0-360	101	H
2	1.8001	49.03	Pk	30.5	-35.6	43.93	54	-10.07	74	-30.07	0-360	101	H
4	1.8001	52.02	Pk	30.5	-35.6	46.92	54	-7.08	74	-27.08	0-360	101	V
3	2.66671	45.62	Pk	32.6	-34.1	44.12	54	-9.88	74	-29.88	0-360	199	H
5	2.66669	54.7	Pk	32.6	-34.1	53.2	-	-	74	-20.8	60	149	V
	2.66669	52.9	Av	32.6	-34.1	51.4	54	-2.6	-	-	60	149	V
6	2.80023	46.64	Pk	32.7	-33.9	45.44	54	-8.56	74	-28.56	0-360	200	V

Pk - Peak detector

Av - Average detection

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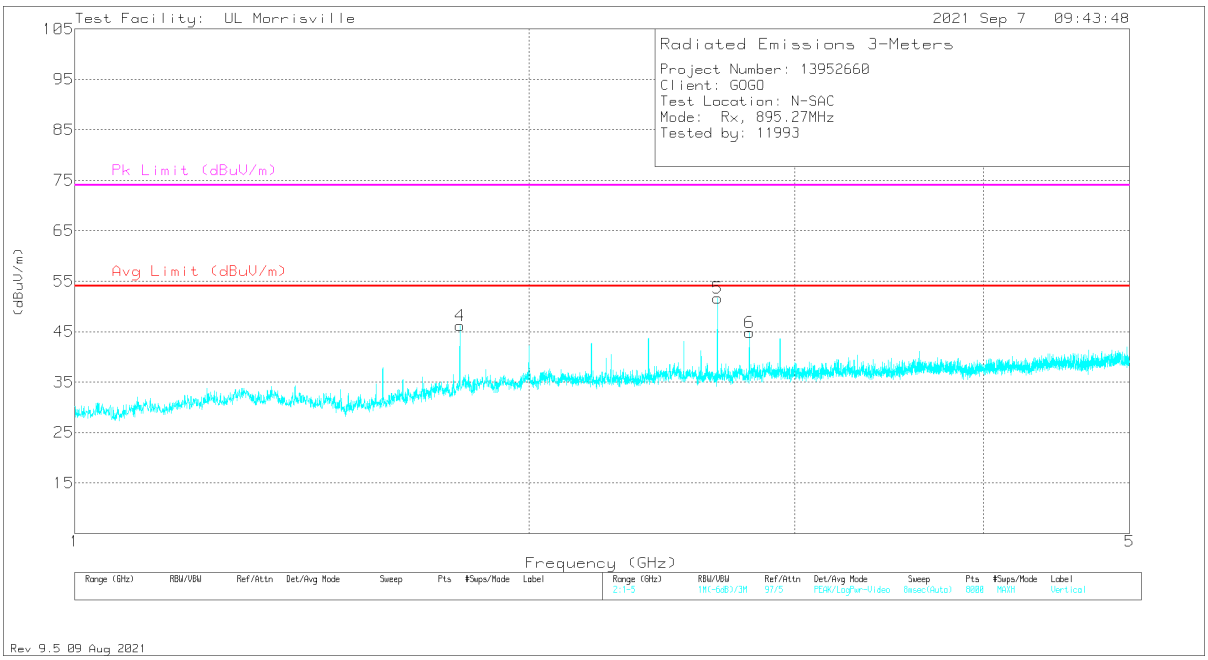

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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0078 (db/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7996	49.1	Pk	30.5	-35.6	44	54	-10	74	-30	0-360	101	H
4	1.8001	51.3	Pk	30.5	-35.6	46.2	54	-7.8	74	-27.8	0-360	101	V
2	2.20015	47.45	Pk	31.5	-34.6	44.35	54	-9.65	74	-29.65	0-360	199	H
3	2.66671	45.5	Pk	32.6	-34.1	44	54	-10	74	-30	0-360	101	H
5	2.66669	54.99	Pk	32.6	-34.1	53.49	-	-	74	-20.51	62	166	V
	2.66669	53.15	Av	32.6	-34.1	51.65	54	-2.35	-	-	62	166	V
6	2.80023	46.06	Pk	32.7	-33.9	44.86	54	-9.14	74	-29.14	0-360	200	V

Pk - Peak detector

Av - Average detection

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11. SETUP PHOTOS

Refer to R13952660-EP1 for setup diagrams and photos.

END OF REPORT

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