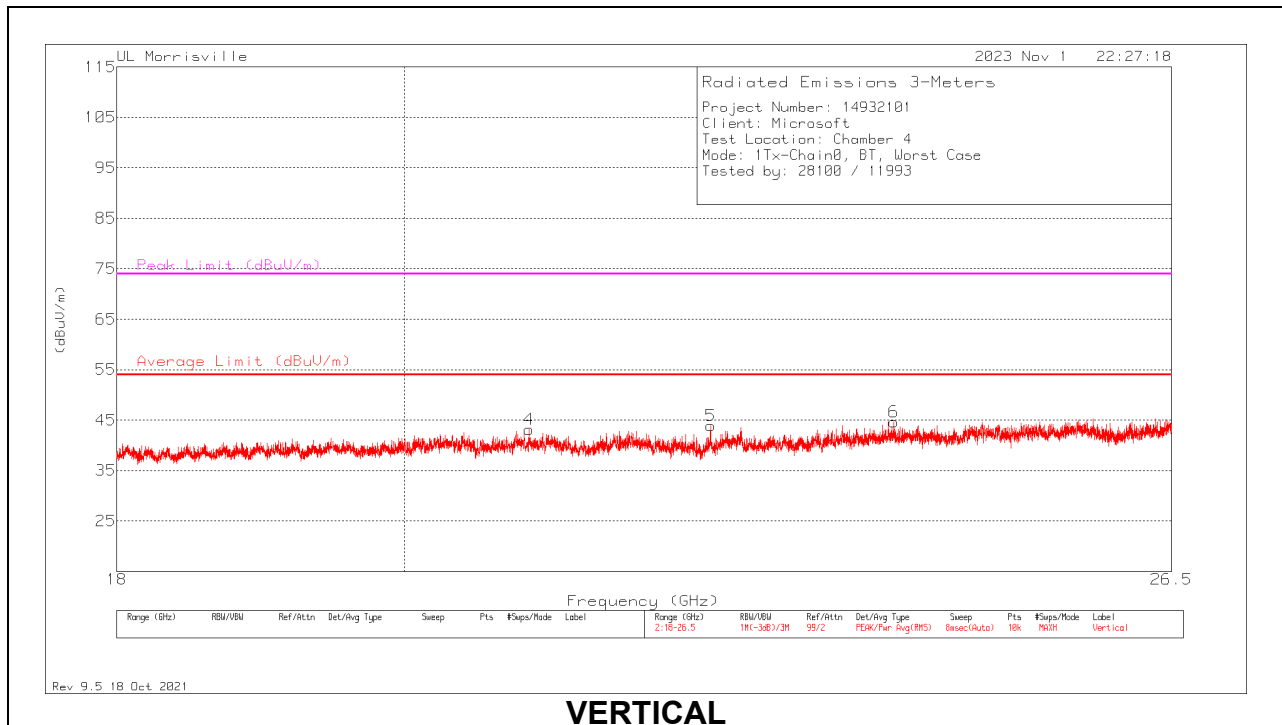
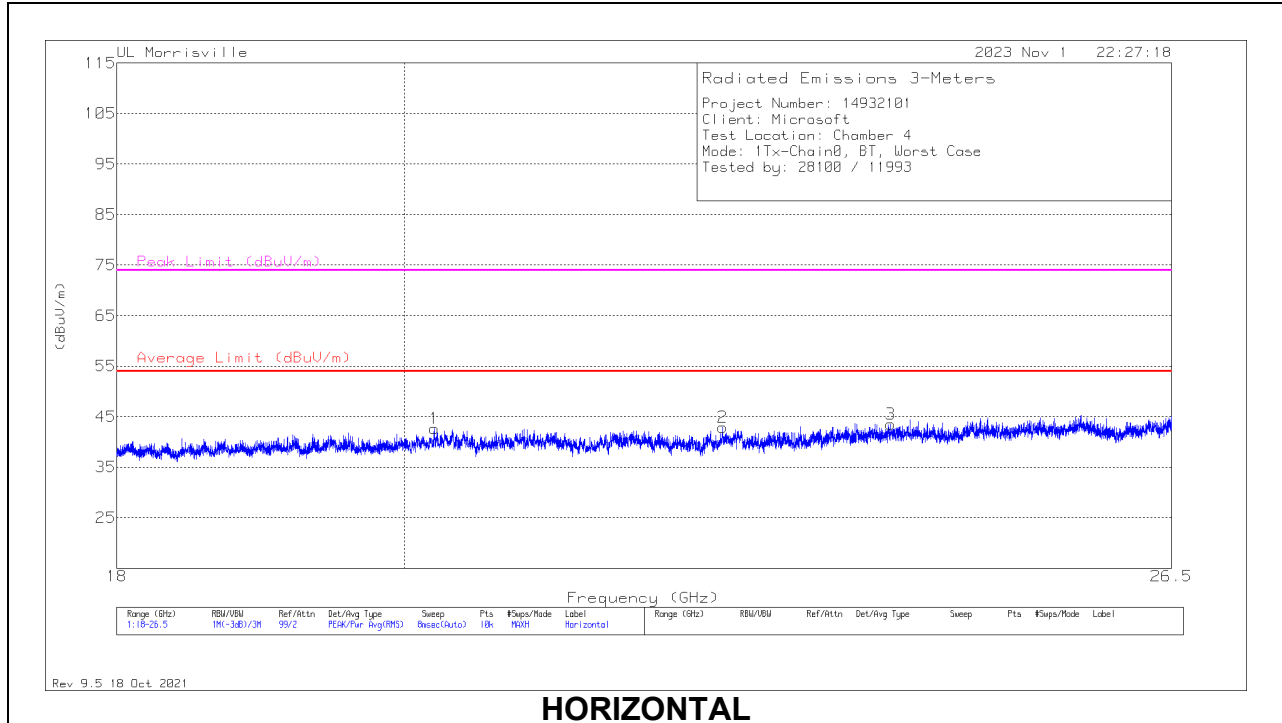


11.4. WORST CASE 18-26 GHZ

11.4.1. CHAIN 0

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)

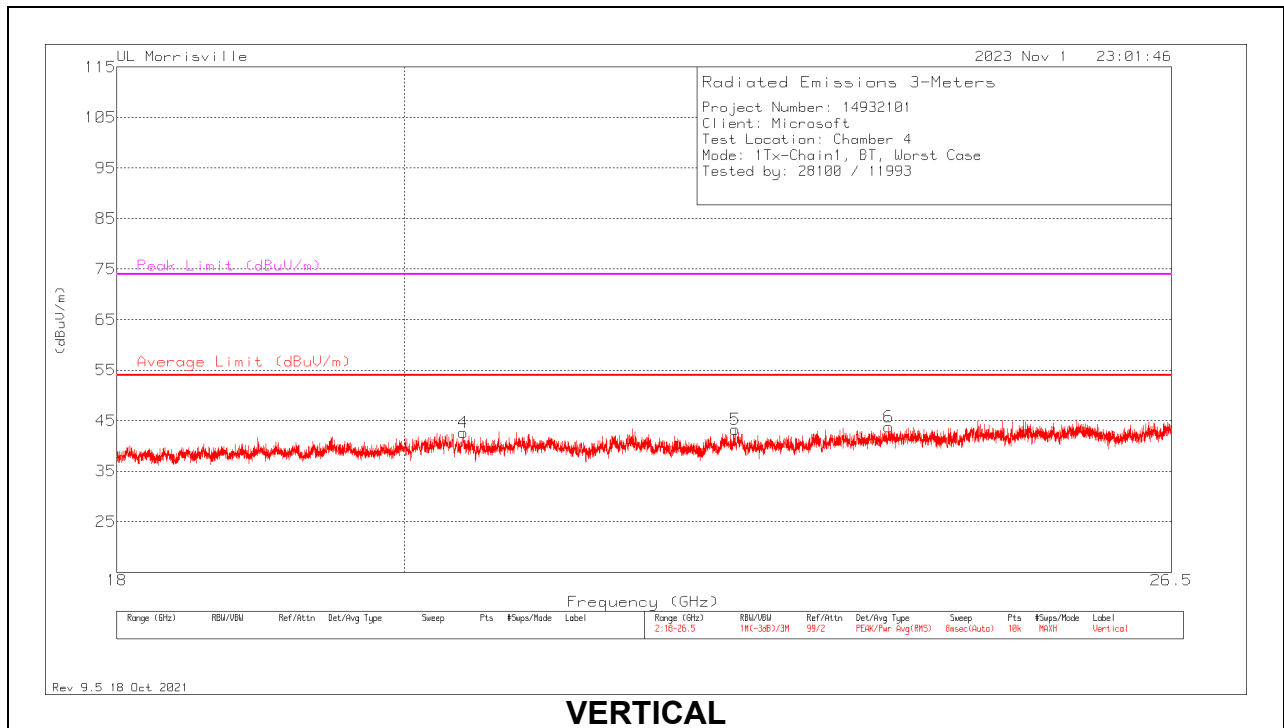
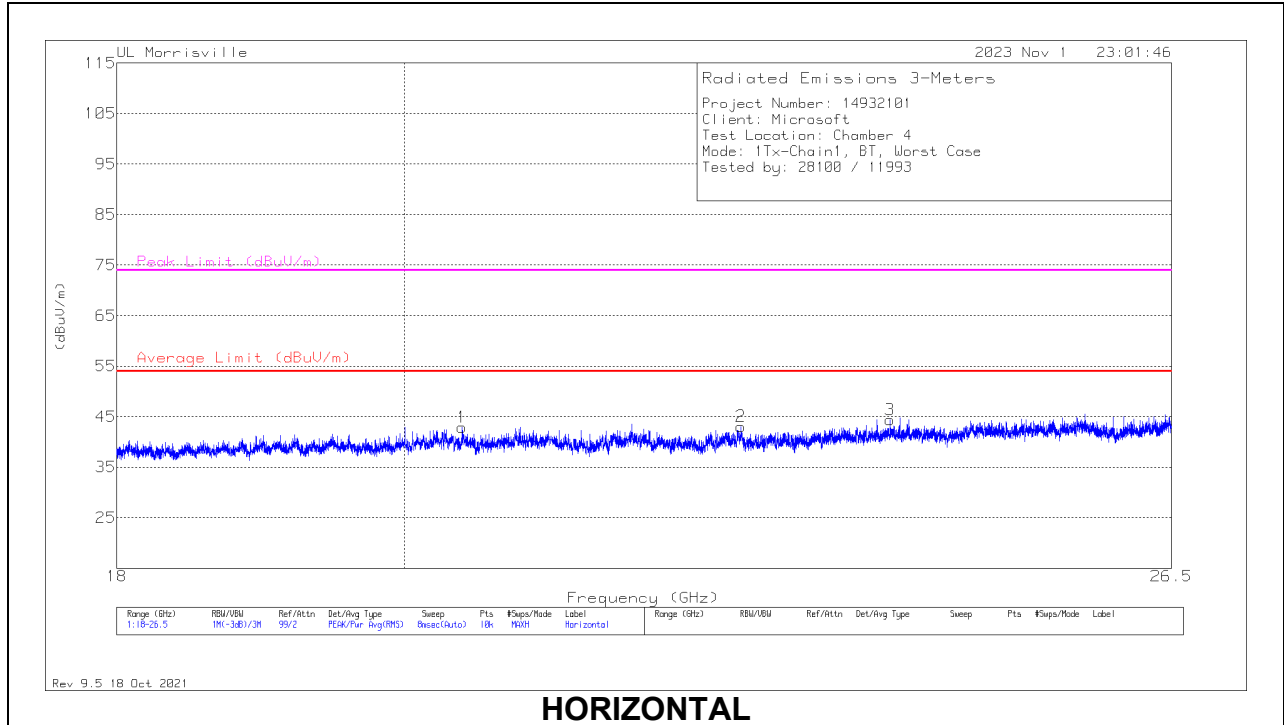


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.22297	48.24	Pk	33.4	-39	42.64	54	-11.36	74	-31.36	0-360	250	H
2	* ** 22.4791	47.48	Pk	34.2	-38.8	42.88	54	-11.12	74	-31.12	0-360	250	H
3	* ** 23.90724	45.6	Pk	34.4	-36.5	43.5	54	-10.5	74	-30.5	0-360	250	H
4	* ** 20.93619	48.36	Pk	33.5	-38.7	43.16	54	-10.84	74	-30.84	0-360	150	V
5	* ** 22.37879	47.54	Pk	34.1	-37.8	43.84	54	-10.16	74	-30.16	0-360	150	V
6	* ** 23.93274	46.86	Pk	34.4	-36.6	44.66	54	-9.34	74	-29.34	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector

11.4.2. CHAIN 1

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)

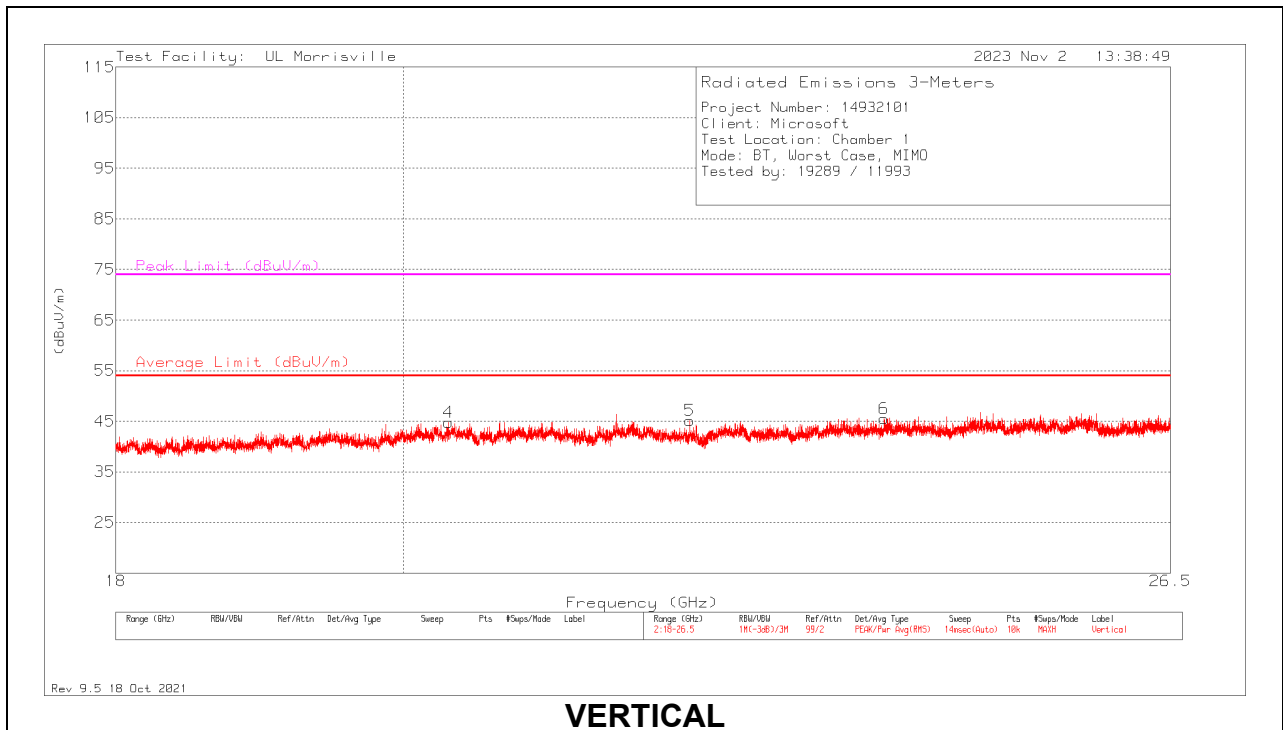
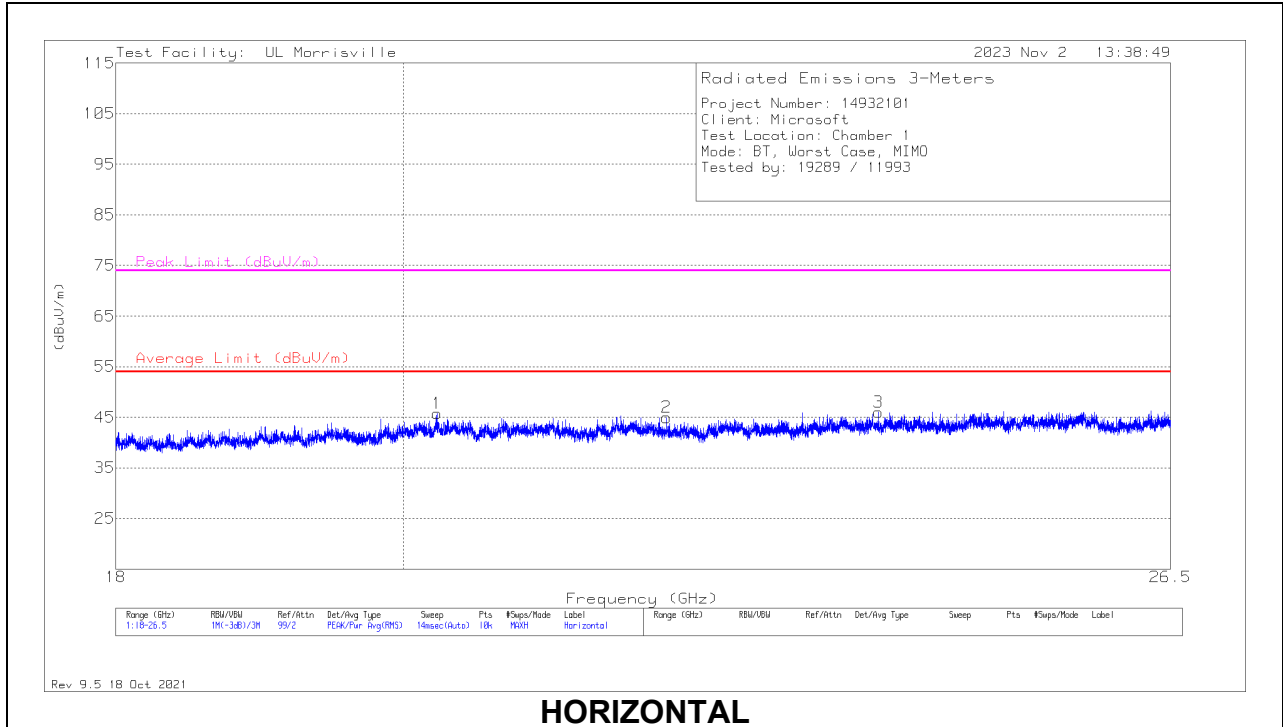


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.43124	48.72	Pk	33.6	-39.4	42.92	54	-11.08	74	-31.08	0-360	200	H
2	* ** 22.62956	47.38	Pk	34.2	-38.5	43.08	54	-10.92	74	-30.92	0-360	100	H
3	* ** 23.90299	47.1	Pk	34.4	-37.1	44.4	54	-9.6	74	-29.6	0-360	100	H
4	* ** 20.43974	48.06	Pk	33.6	-39	42.66	54	-11.34	74	-31.34	0-360	300	V
5	* ** 22.58111	47.5	Pk	34.3	-38.5	43.3	54	-10.7	74	-30.7	0-360	250	V
6	* ** 23.88939	45.84	Pk	34.4	-36.5	43.74	54	-10.26	74	-30.26	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector

11.4.3. 2Tx

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 20.25273	49.71	Pk	33.5	-37.5	45.71	54	-8.29	74	-28.29	0-360	250	H
2	*** 22.0294	48.35	Pk	34.2	-37.6	44.95	54	-9.05	74	-29.05	0-360	101	H
3	*** 23.81033	49.05	Pk	34.4	-37.4	46.05	54	-7.95	74	-27.95	0-360	299	H
4	*** 20.33773	49.11	Pk	33.6	-37.9	44.81	54	-9.19	74	-29.19	0-360	300	V
5	*** 22.21642	48.45	Pk	34.3	-37.6	45.15	54	-8.85	74	-28.85	0-360	150	V
6	*** 23.85794	48.53	Pk	34.4	-37.4	45.53	54	-8.47	74	-28.47	0-360	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

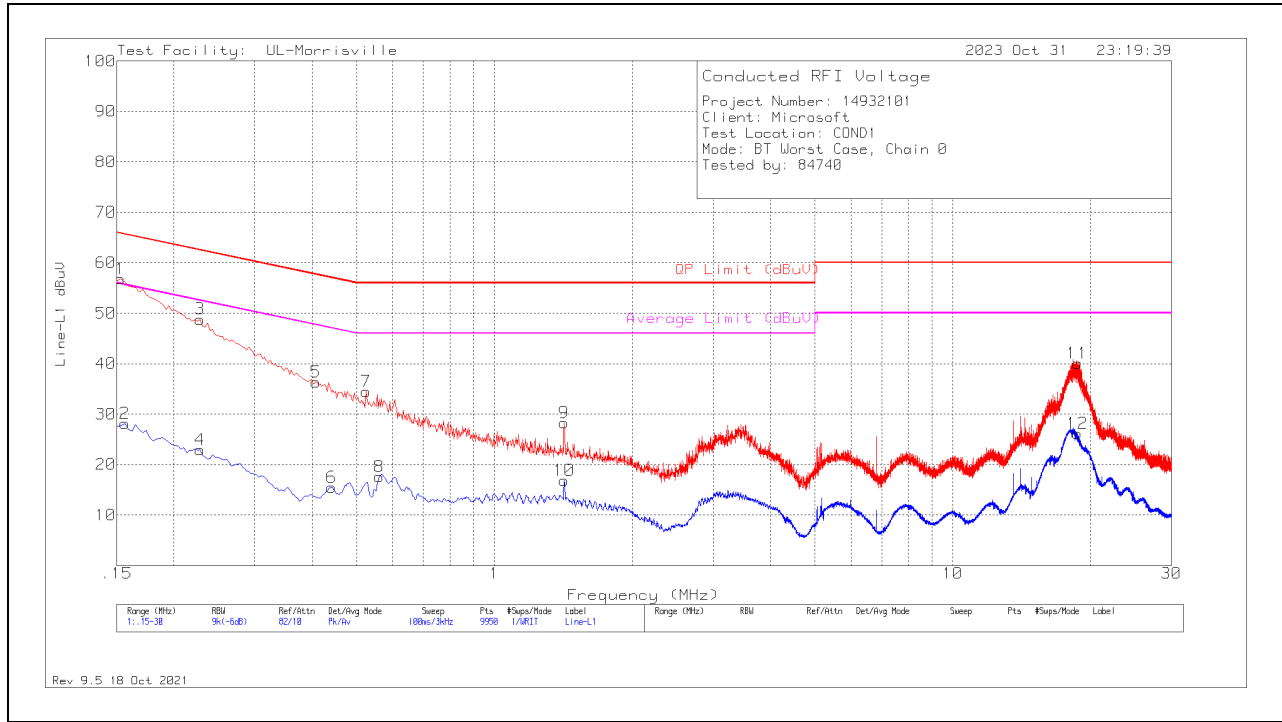
Line conducted data is recorded for both lines.

RESULTS

12.1. AC POWER LINE NORM

12.1.1. CHAIN 0

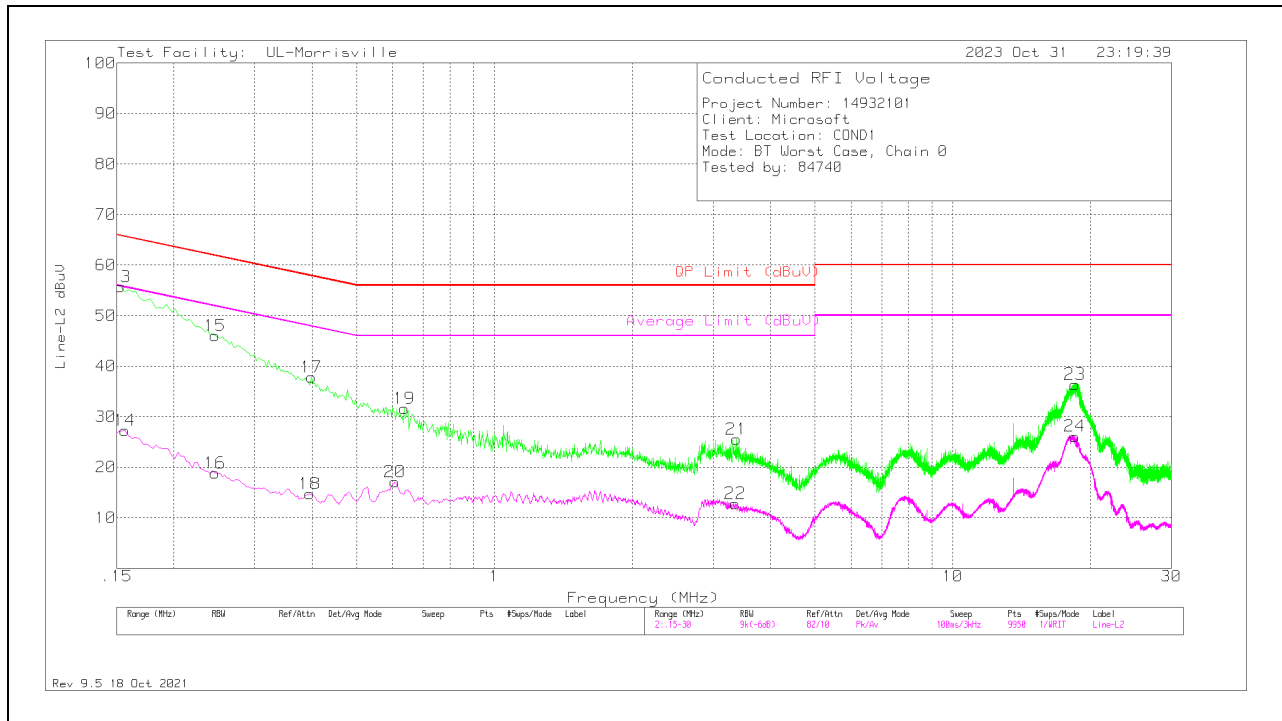
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	46.78	Pk	.3	9.8	56.88	65.84	-8.96	-	-
2	.156	18.08	Av	.3	9.8	28.18	-	-	55.67	-27.49
3	.228	38.82	Pk	.2	9.8	48.82	62.52	-13.7	-	-
4	.228	12.89	Av	.2	9.8	22.89	-	-	52.52	-29.63
5	.408	26.44	Pk	.1	9.8	36.34	57.69	-21.35	-	-
6	.441	5.62	Av	.1	9.8	15.52	-	-	47.04	-31.52
7	.525	24.57	Pk	.1	9.8	34.47	56	-21.53	-	-
8	.561	7.7	Av	.1	9.8	17.6	-	-	46	-28.4
9	1.419	18.35	Pk	.1	9.8	28.25	56	-27.75	-	-
10	1.419	6.92	Av	.1	9.8	16.82	-	-	46	-29.18
11	18.702	29.75	Pk	.2	10.1	40.05	60	-19.95	-	-
12	18.708	15.85	Av	.2	10.1	26.15	-	-	50	-23.85

Pk - Peak detector
 Av - Average detection

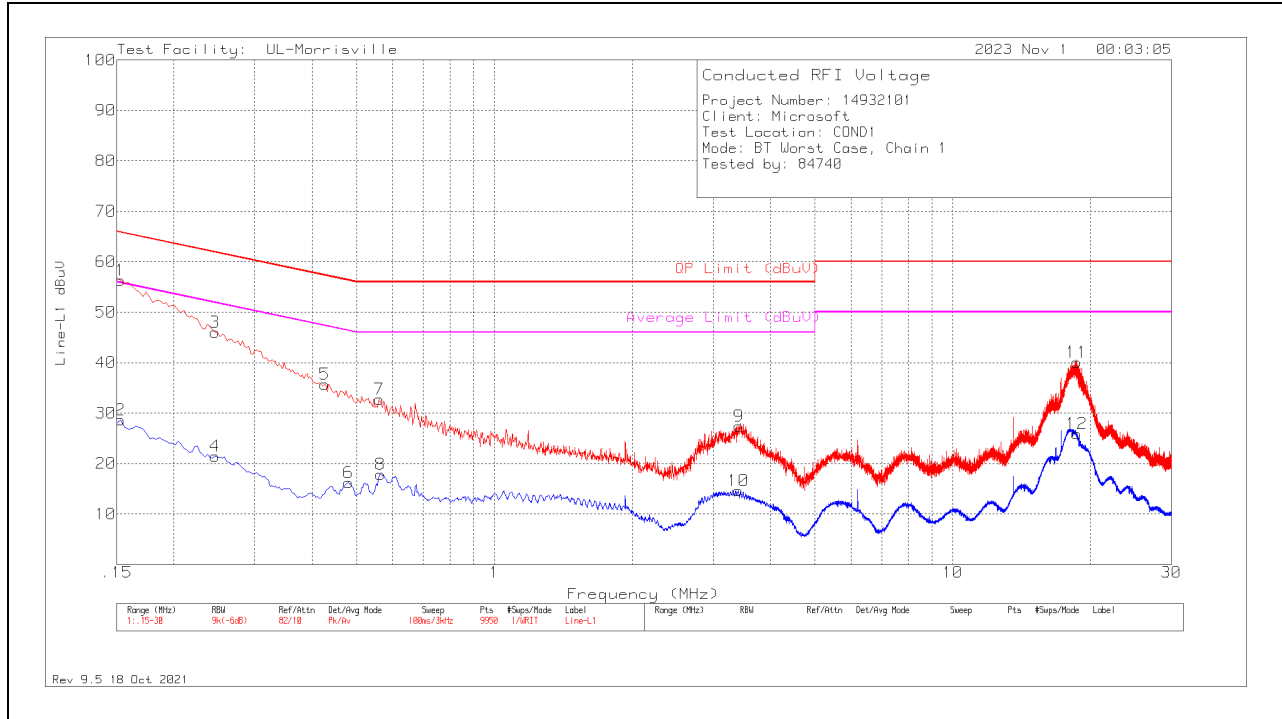
LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	45.6	Pk	.3	9.8	55.7	65.84	-10.14	-	-
14	.156	17.19	Av	.3	9.8	27.29	-	-	55.67	-28.38
15	.246	35.97	Pk	.2	9.8	45.97	61.89	-15.92	-	-
16	.246	8.85	Av	.2	9.8	18.85	-	-	51.89	-33.04
17	.399	27.88	Pk	.1	9.8	37.78	57.87	-20.09	-	-
18	.396	4.83	Av	.1	9.8	14.73	-	-	47.94	-33.21
19	.636	21.76	Pk	.1	9.8	31.66	56	-24.34	-	-
20	.606	7.25	Av	.1	9.8	17.15	-	-	46	-28.85
21	3.372	15.6	Pk	.1	9.8	25.5	56	-30.5	-	-
22	3.357	2.91	Av	.1	9.8	12.81	-	-	46	-33.19
23	18.453	26.1	Pk	.2	10.1	36.4	60	-23.6	-	-
24	18.468	15.8	Av	.2	10.1	26.1	-	-	50	-23.9

Pk - Peak detector
 Av - Average detection

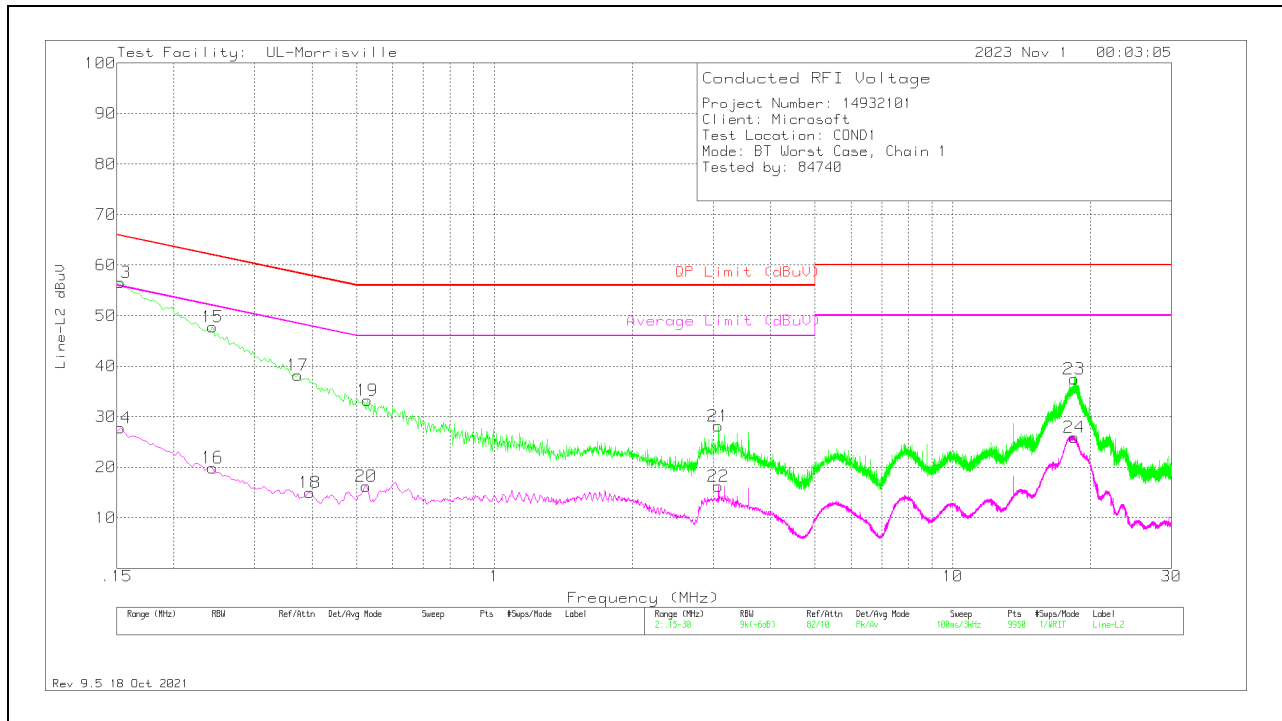
12.1.2. CHAIN 1
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	46.18	Pk	.3	9.8	56.28	65.84	-9.56	-	-
2	.153	18.49	Av	.3	9.8	28.59	-	-	55.84	-27.25
3	.246	35.98	Pk	.2	9.8	45.98	61.89	-15.91	-	-
4	.246	11.44	Av	.2	9.8	21.44	-	-	51.89	-30.45
5	.426	25.84	Pk	.1	9.8	35.74	57.33	-21.59	-	-
6	.48	6.35	Av	.1	9.8	16.25	-	-	46.34	-30.09
7	.561	22.85	Pk	.1	9.8	32.75	56	-23.25	-	-
8	.564	7.94	Av	.1	9.8	17.84	-	-	46	-28.16
9	3.414	17.45	Pk	.1	9.8	27.35	56	-28.65	-	-
10	3.402	4.76	Av	.1	9.8	14.66	-	-	46	-31.34
11	18.627	29.71	Pk	.2	10.1	40.01	60	-19.99	-	-
12	18.627	15.66	Av	.2	10.1	25.96	-	-	50	-24.04

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS

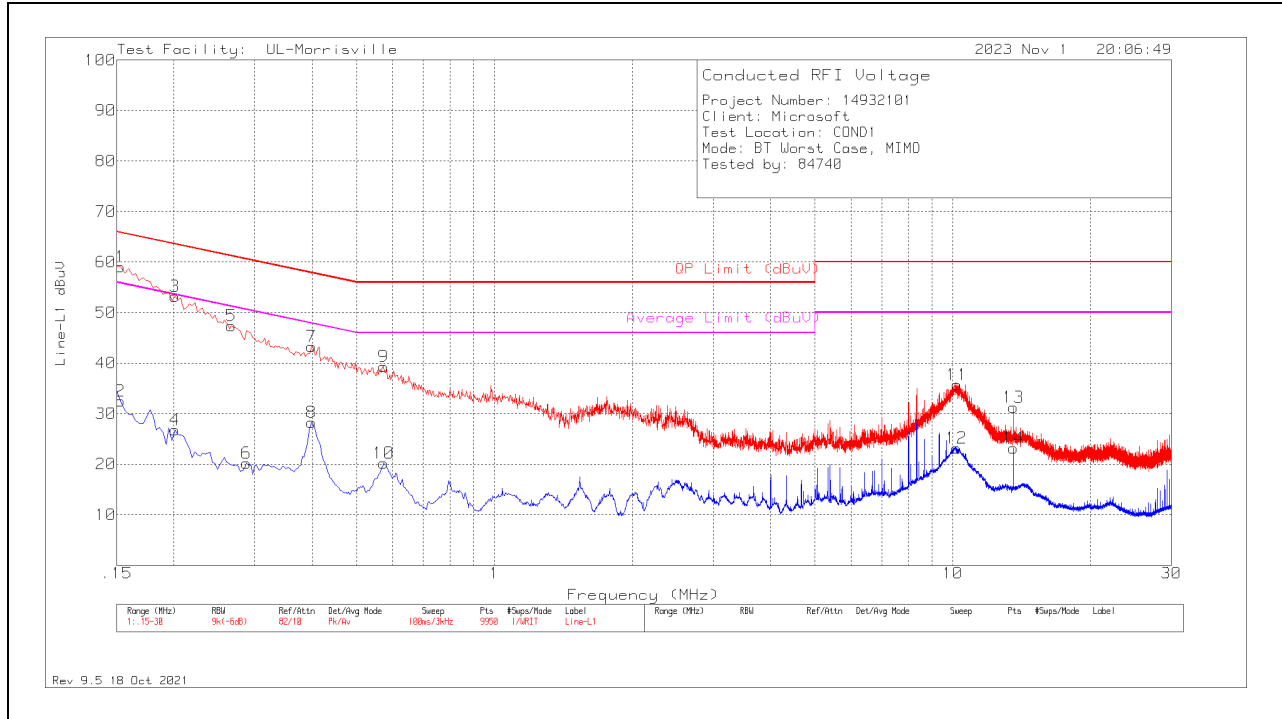


Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	46.43	Pk	.3	9.8	56.53	65.84	-9.31	-	-
14	.153	17.63	Av	.3	9.8	27.73	-	-	55.84	-28.11
15	.243	37.81	Pk	.2	9.8	47.81	61.99	-14.18	-	-
16	.243	9.89	Av	.2	9.8	19.89	-	-	51.99	-32.1
17	.372	28.28	Pk	.1	9.8	38.18	58.46	-20.28	-	-
18	.396	5.12	Av	.1	9.8	15.02	-	-	47.94	-32.92
19	.528	23.29	Pk	.1	9.8	33.19	56	-22.81	-	-
20	.525	6.36	Av	.1	9.8	16.26	-	-	46	-29.74
21	3.084	18.22	Pk	.1	9.8	28.12	56	-27.88	-	-
22	3.084	6.31	Av	.1	9.8	16.21	-	-	46	-29.79
23	18.387	27.11	Pk	.2	10.1	37.41	60	-22.59	-	-
24	18.39	15.66	Av	.2	10.1	25.96	-	-	50	-24.04

Pk - Peak detector
 Av - Average detection

12.1.3. 2Tx

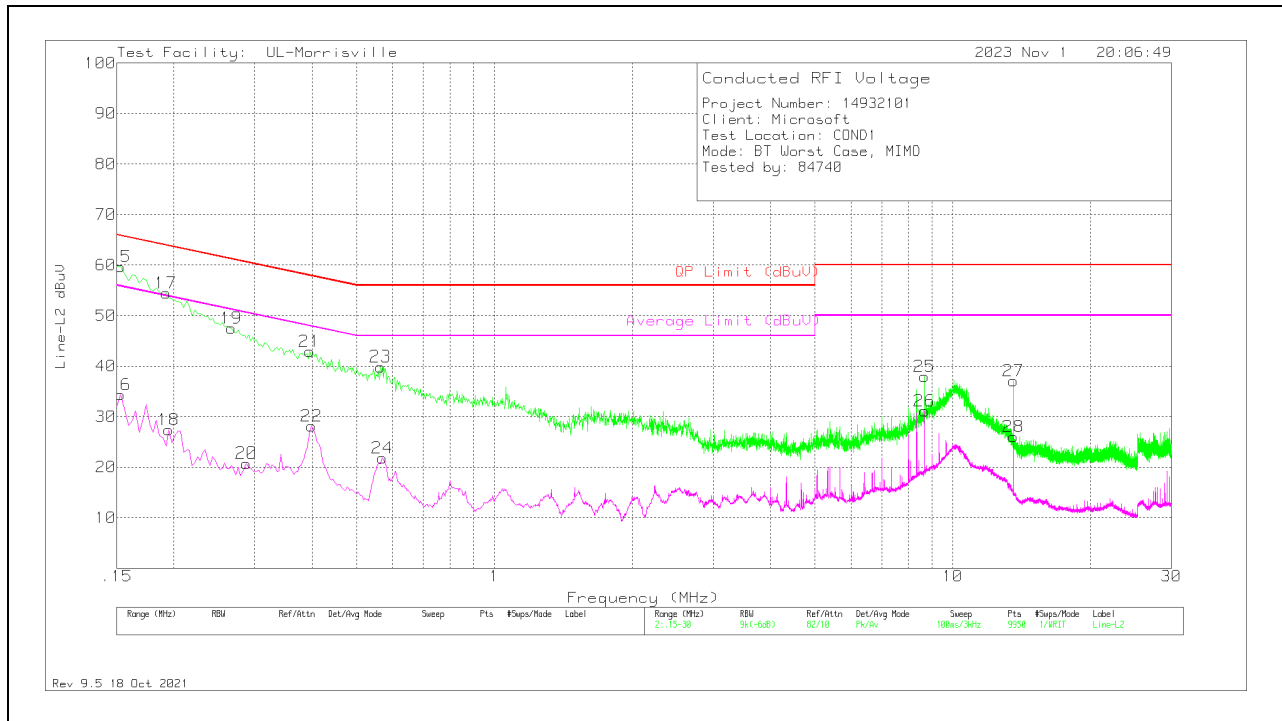
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	48.99	Pk	.3	9.8	59.09	65.84	-6.75	-	-
2	.153	22.37	Av	.3	9.8	32.47	-	-	55.84	-23.37
3	.201	43.18	Pk	.2	9.8	53.18	63.57	-10.39	-	-
4	.201	16.74	Av	.2	9.8	26.74	-	-	53.57	-26.83
5	.267	37.44	Pk	.2	9.8	47.44	61.21	-13.77	-	-
6	.288	10.21	Av	.2	9.8	20.21	-	-	50.58	-30.37
7	.399	33.39	Pk	.1	9.8	43.29	57.87	-14.58	-	-
8	.399	18.37	Av	.1	9.8	28.27	-	-	47.87	-19.6
9	.573	29.39	Pk	.1	9.8	39.29	56	-16.71	-	-
10	.573	10.28	Av	.1	9.8	20.18	-	-	46	-25.82
11	10.212	25.66	Pk	.1	10	35.76	60	-24.24	-	-
12	10.194	13.04	Av	.1	10	23.14	-	-	50	-26.86
13	13.563	21.06	Pk	.2	10	31.26	60	-28.74	-	-
14	13.563	13.02	Av	.2	10	23.22	-	-	50	-26.78

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
15	.153	49.6	Pk	.3	9.8	59.7	65.84	-6.14	-	-
16	.153	24.31	Av	.3	9.8	34.41	-	-	55.84	-21.43
17	.192	44.45	Pk	.2	9.8	54.45	63.95	-9.5	-	-
18	.195	17.36	Av	.2	9.8	27.36	-	-	53.82	-26.46
19	.267	37.47	Pk	.2	9.8	47.47	61.21	-13.74	-	-
20	.288	10.76	Av	.2	9.8	20.76	-	-	50.58	-29.82
21	.396	32.97	Pk	.1	9.8	42.87	57.94	-15.07	-	-
22	.399	18.26	Av	.1	9.8	28.16	-	-	47.87	-19.71
23	.564	29.98	Pk	.1	9.8	39.88	56	-16.12	-	-
24	.57	11.93	Av	.1	9.8	21.83	-	-	46	-24.17
25	8.67	27.81	Pk	.1	10	37.91	60	-22.09	-	-
26	8.67	21	Av	.1	10	31.1	-	-	50	-18.9
27	13.563	26.84	Pk	.2	10	37.04	60	-22.96	-	-
28	13.563	15.89	Av	.2	10	26.09	-	-	50	-23.91

Pk - Peak detector
 Av - Average detection

13. SETUP PHOTOS

Please refer to R14932101-EP1b for setup photos

END OF TEST REPORT