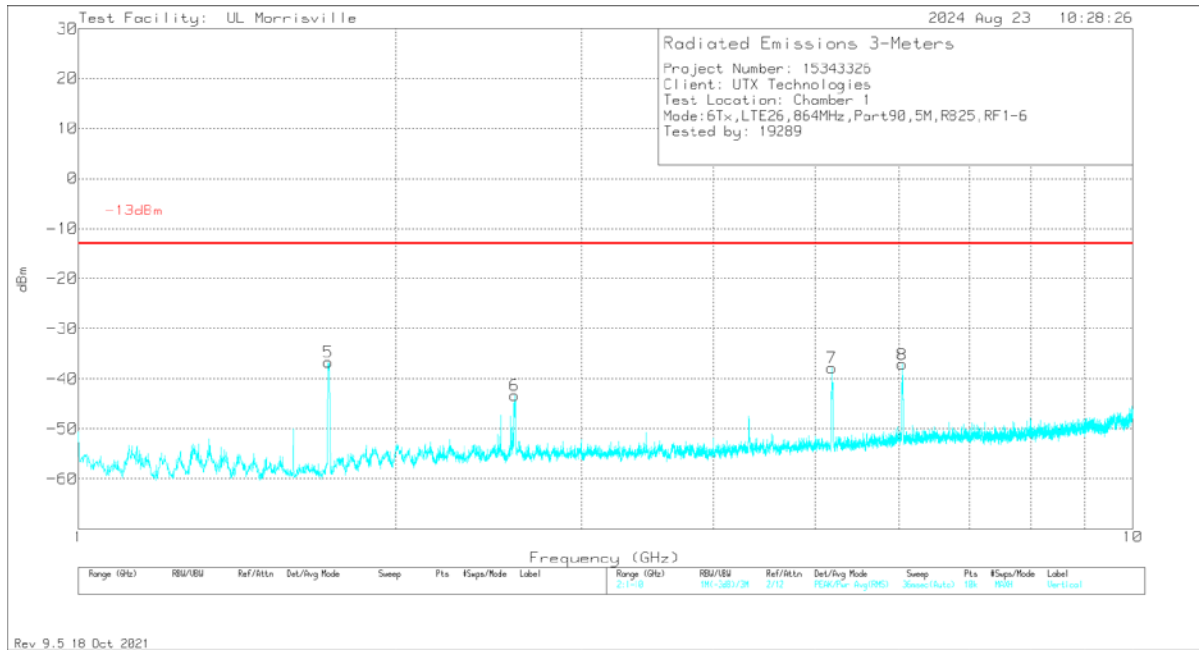
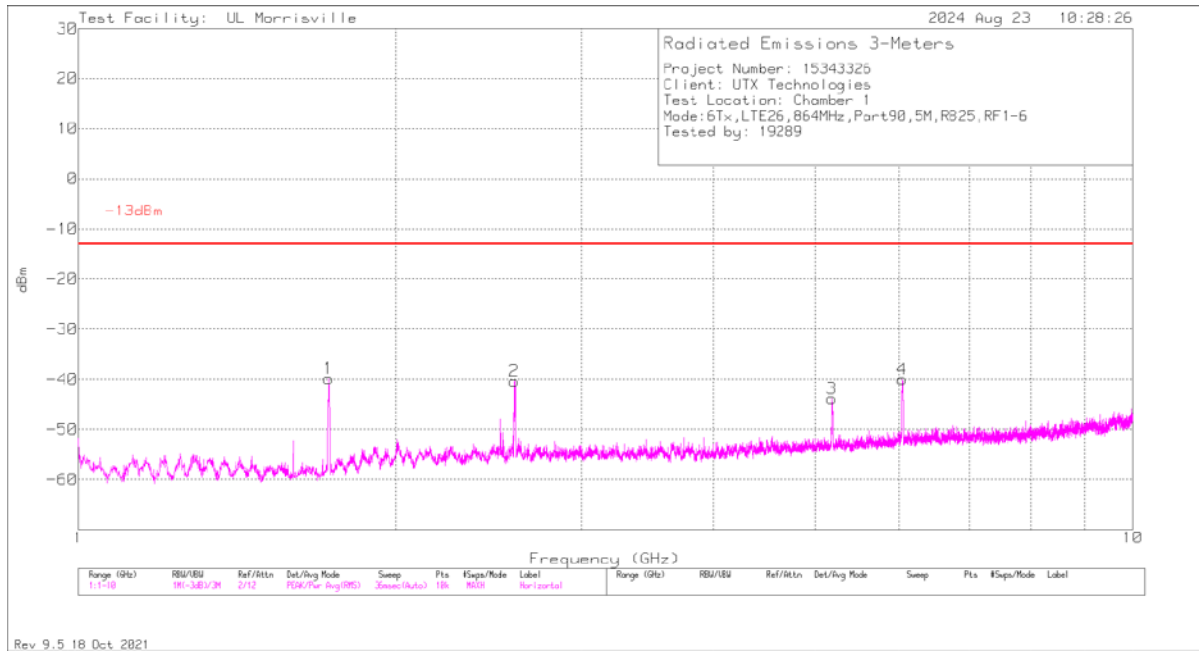
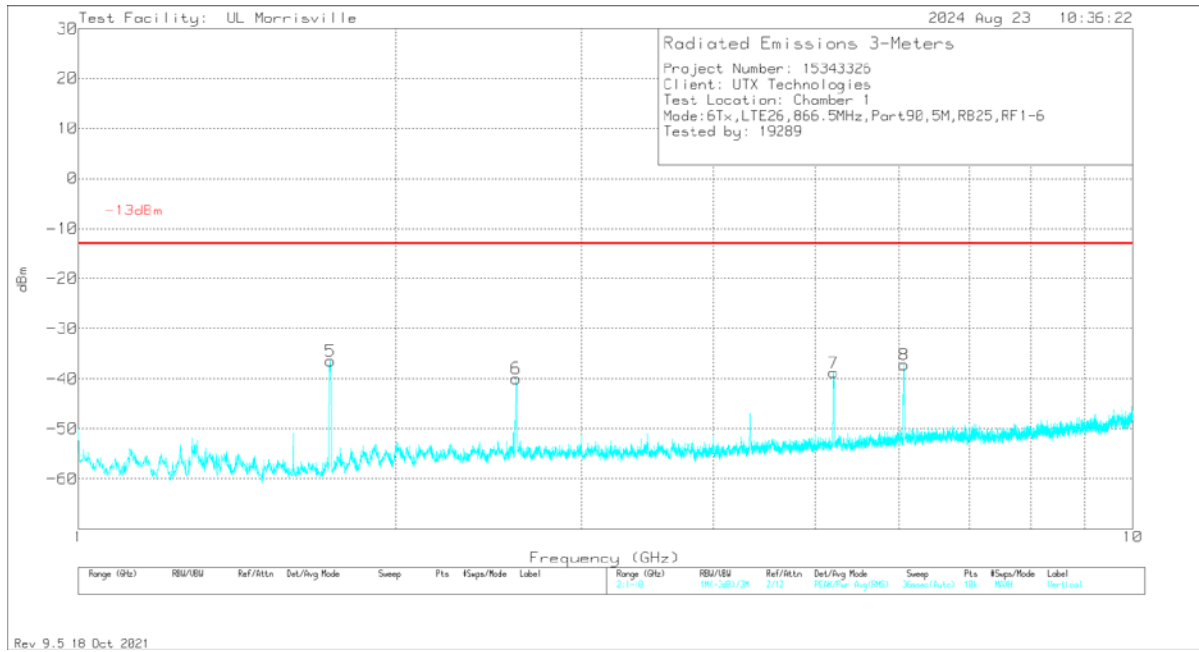
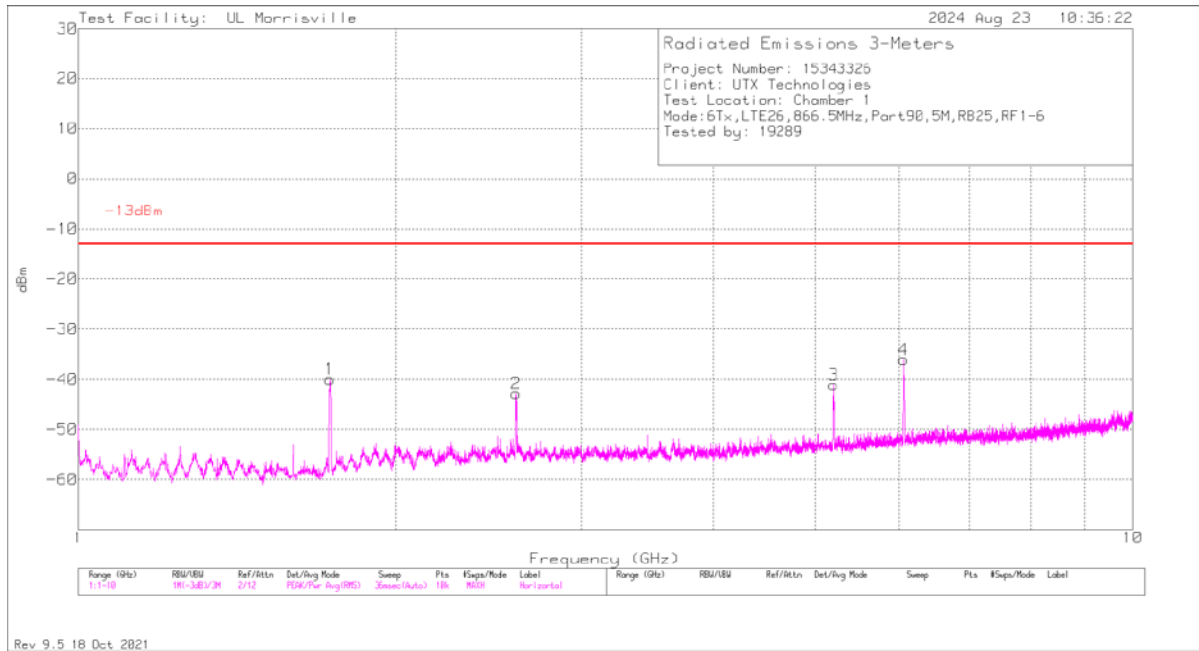




Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	1.7263	-29.9	Pk	29.2	-48.2	.4	11.8	-36.7	-13	-23.7	0-360	101	V
1	1.7281	-33.05	Pk	29.2	-48.2	.4	11.8	-39.85	-13	-26.85	0-360	200	H
2	2.5894	-37.3	Pk	32.4	-47.6	.4	11.8	-40.3	-13	-27.3	0-360	101	H
6	2.5912	-40.36	Pk	32.4	-47.6	.4	11.8	-43.36	-13	-30.36	0-360	200	V
3	5.1805	-45.63	Pk	34.3	-44.6	.3	11.8	-43.83	-13	-30.83	0-360	300	H
7	5.1823	-39.53	Pk	34.3	-44.7	.3	11.8	-37.83	-13	-24.83	0-360	200	V
8	6.0418	-40.85	Pk	35.2	-43.6	.3	11.8	-37.15	-13	-24.15	0-360	200	V
4	6.0427	-43.72	Pk	35.2	-43.6	.3	11.8	-40.02	-13	-27.02	0-360	101	H

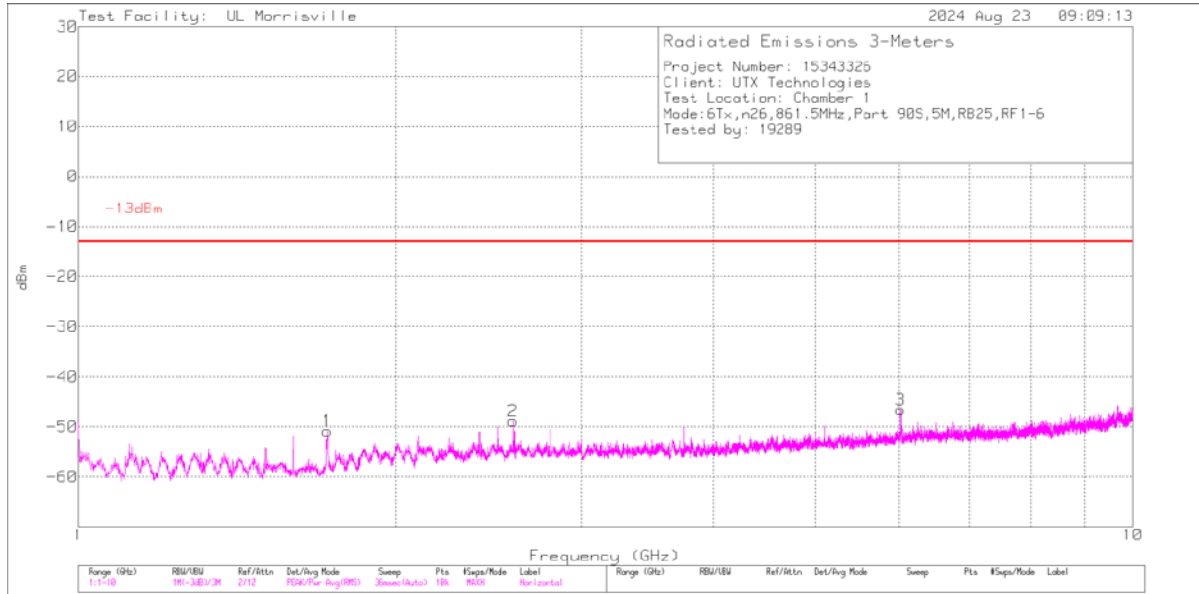
Pk - Peak detector



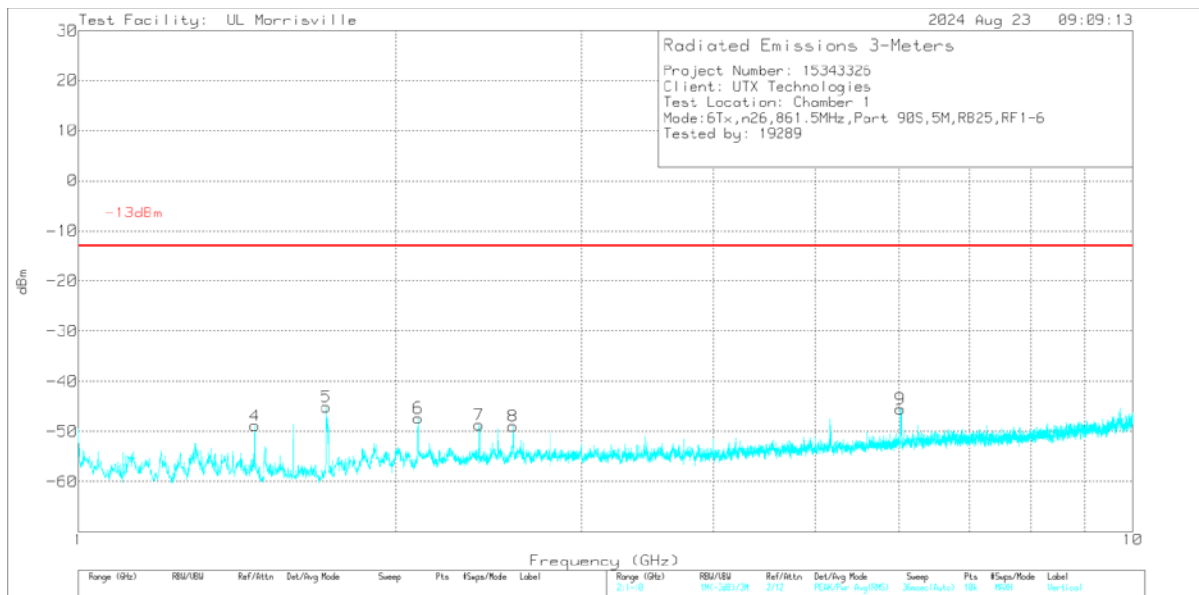
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7326	-33.27	Pk	29.2	-48.1	.4	11.8	-39.97	-13	-26.97	0-360	199	H
5	1.7344	-29.84	Pk	29.3	-48.1	.4	11.8	-36.44	-13	-23.44	0-360	101	V
2	2.5993	-39.84	Pk	32.5	-47.7	.4	11.8	-42.84	-13	-29.84	0-360	199	H
6	2.60065	-36.94	Pk	32.5	-47.7	.4	11.8	-39.94	-13	-26.94	0-360	200	V
7	5.1976	-40.58	Pk	34.3	-44.6	.3	11.8	-38.78	-13	-25.78	0-360	200	V
3	5.2039	-42.74	Pk	34.3	-44.8	.4	11.8	-41.04	-13	-28.04	0-360	300	H
4	6.0643	-39.88	Pk	35.2	-43.5	.3	11.8	-36.08	-13	-23.08	0-360	101	H
8	6.0679	-41.33	Pk	35.2	-43.2	.3	11.8	-37.23	-13	-24.23	0-360	101	V

Pk - Peak detector

OPSK 5G NR n26 (5.0MHZ BANDWIDTH)



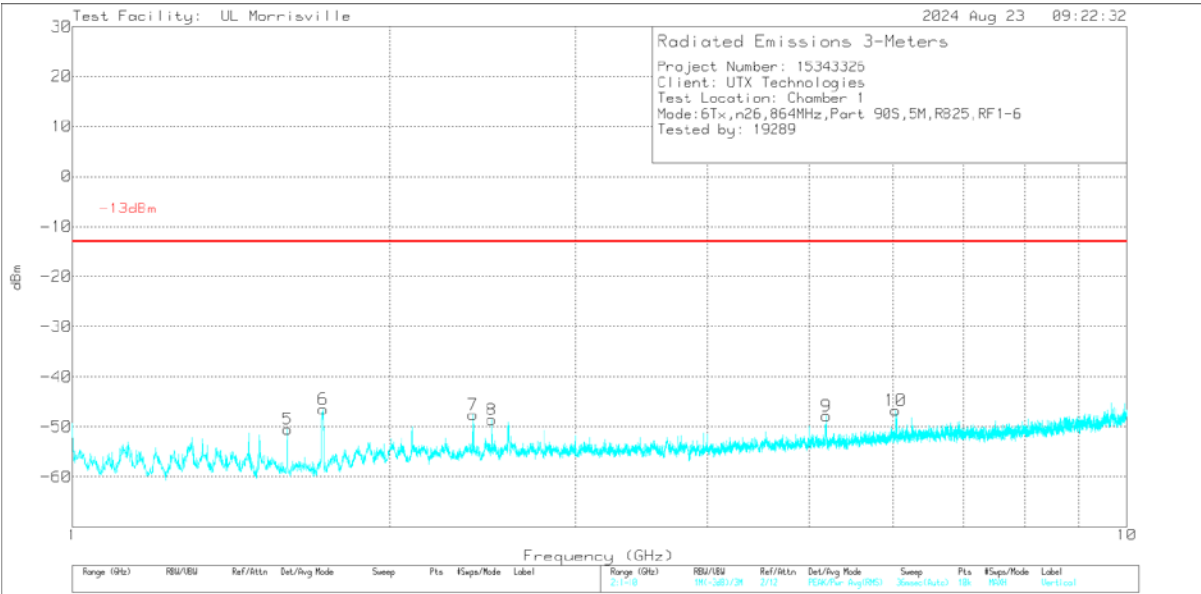
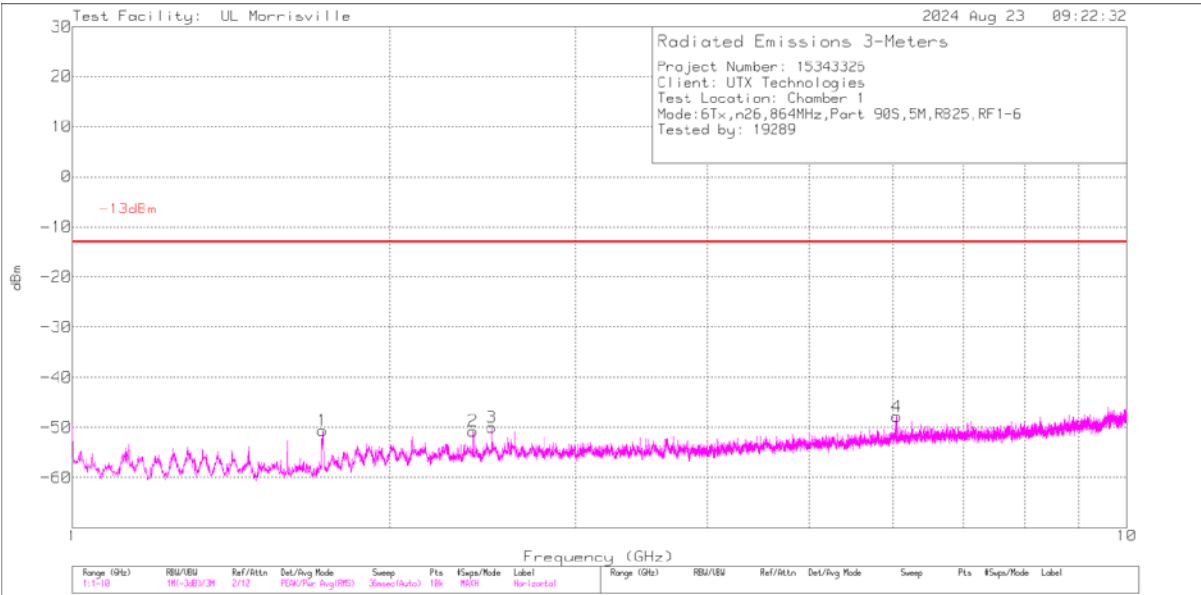
Rev 9.5 18 Oct 2021



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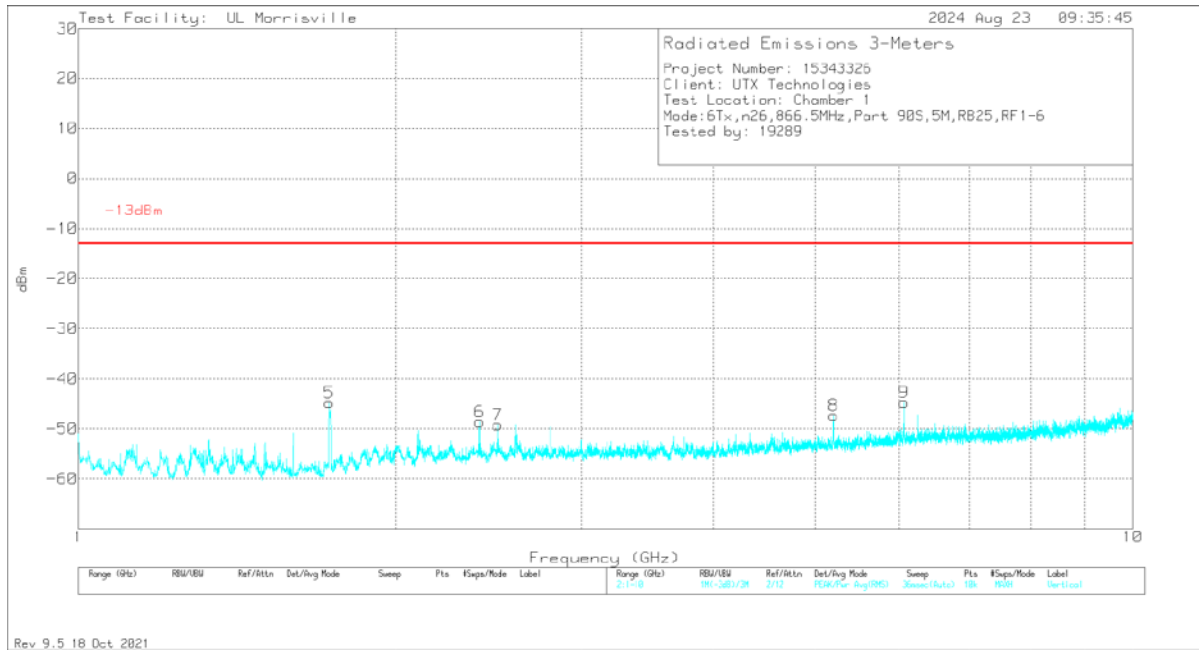
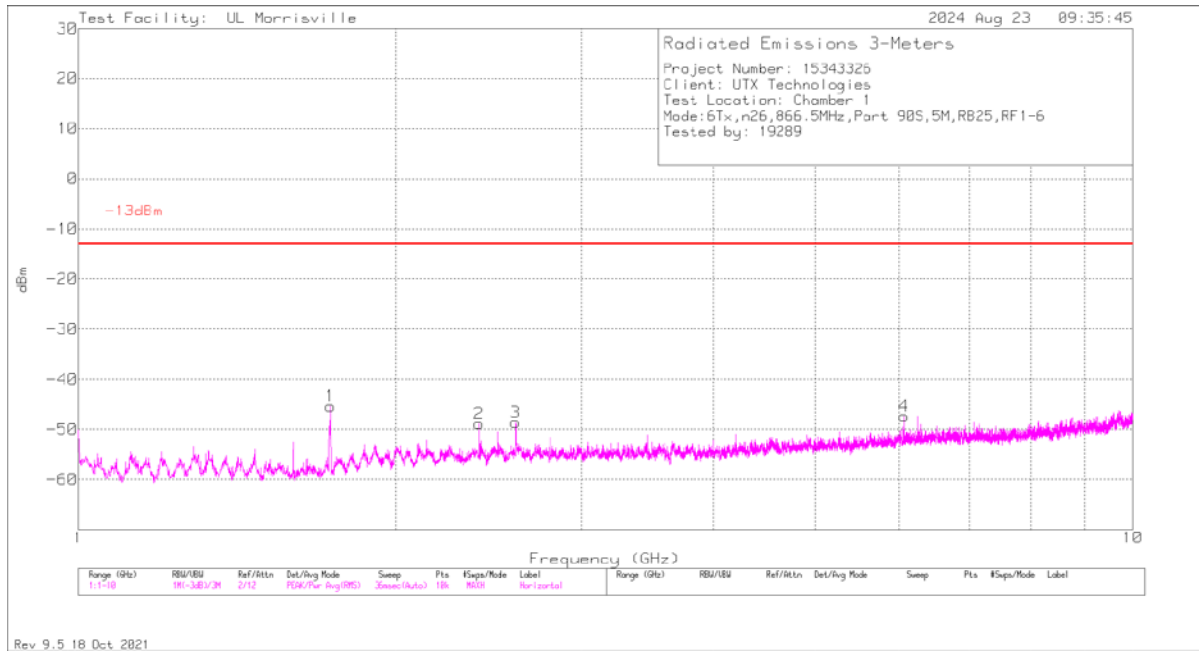
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.4698	-41.81	Pk	28.4	-48	.7	11.8	-48.91	-13	-35.91	0-360	101	V
5	1.7191	-38.25	Pk	29.1	-48.3	.5	11.8	-45.15	-13	-32.15	0-360	200	V
1	1.7236	-43.91	Pk	29.1	-48.2	.4	11.8	-50.81	-13	-37.81	0-360	300	H
6	2.0998	-43.18	Pk	31.7	-48.1	.4	11.8	-47.38	-13	-34.38	0-360	101	V
7	2.3995	-44.67	Pk	32	-48.4	.5	11.8	-48.77	-13	-35.77	0-360	300	V
2	2.5822	-45.83	Pk	32.4	-47.6	.4	11.8	-48.83	-13	-35.83	0-360	101	H
8	2.5831	-45.99	Pk	32.4	-47.6	.4	11.8	-48.99	-13	-35.99	0-360	101	V
9	6.022	-50.14	Pk	35.2	-42.7	.3	11.8	-45.54	-13	-32.54	0-360	200	V
3	6.0247	-51.32	Pk	35.2	-42.6	.3	11.8	-46.62	-13	-33.62	0-360	101	H

Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	1.6003	-43.13	Pk	28.1	-47.9	.6	11.8	-50.53	-13	-37.53	0-360	200	V
1	1.7281	-43.83	Pk	29.2	-48.2	.4	11.8	-50.63	-13	-37.63	0-360	300	H
6	1.729	-39.69	Pk	29.2	-48.2	.4	11.8	-46.49	-13	-33.49	0-360	200	V
2	2.3995	-46.68	Pk	32	-48.4	.5	11.8	-50.78	-13	-37.78	0-360	101	H
7	2.3995	-43.49	Pk	32	-48.4	.5	11.8	-47.59	-13	-34.59	0-360	101	V
3	2.4994	-46.71	Pk	32.3	-47.9	.5	11.8	-50.01	-13	-37.01	0-360	101	H
8	2.4994	-45.33	Pk	32.3	-47.9	.5	11.8	-48.63	-13	-35.63	0-360	200	V
9	5.1859	-49.56	Pk	34.3	-44.7	.3	11.8	-47.86	-13	-34.86	0-360	200	V
10	6.0382	-50.48	Pk	35.2	-43.5	.3	11.8	-46.68	-13	-33.68	0-360	300	V
4	6.0508	-51.66	Pk	35.2	-43.5	.3	11.8	-47.86	-13	-34.86	0-360	101	H

Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	1.7299	-37.99	Pk	29.2	-48.2	.4	11.8	-44.79	-13	-31.79	0-360	200	V
1	1.7335	-38.69	Pk	29.2	-48.1	.4	11.8	-45.39	-13	-32.39	0-360	101	H
2	2.3986	-44.78	Pk	32	-48.4	.5	11.8	-48.88	-13	-35.88	0-360	300	H
6	2.4004	-44.46	Pk	32	-48.4	.5	11.8	-48.56	-13	-35.56	0-360	101	V
7	2.4994	-45.95	Pk	32.3	-47.9	.5	11.8	-49.25	-13	-36.25	0-360	101	V
3	2.5975	-45.61	Pk	32.5	-47.7	.4	11.8	-48.61	-13	-35.61	0-360	101	H
8	5.2012	-49.23	Pk	34.3	-44.6	.4	11.8	-47.33	-13	-34.33	0-360	200	V
4	6.0697	-51.52	Pk	35.2	-43.1	.3	11.8	-47.32	-13	-34.32	0-360	101	H
9	6.0697	-48.96	Pk	35.2	-43.1	.3	11.8	-44.76	-13	-31.76	0-360	101	V

Pk - Peak detector

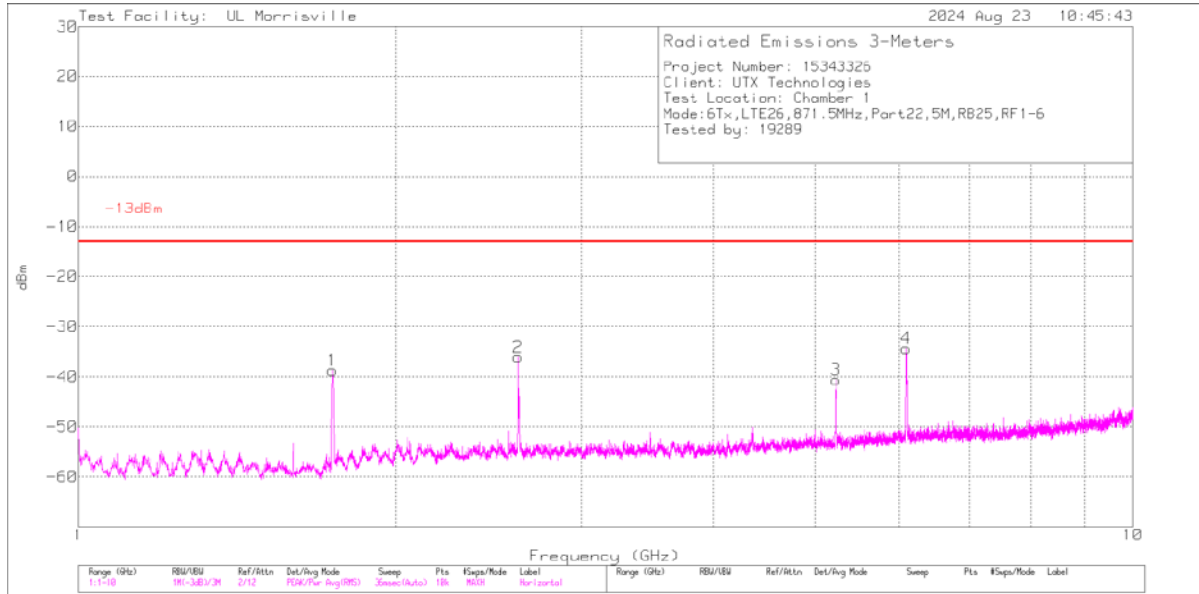
10.1.5. LTE BAND 26 (FCC PART 22)

LIMITS

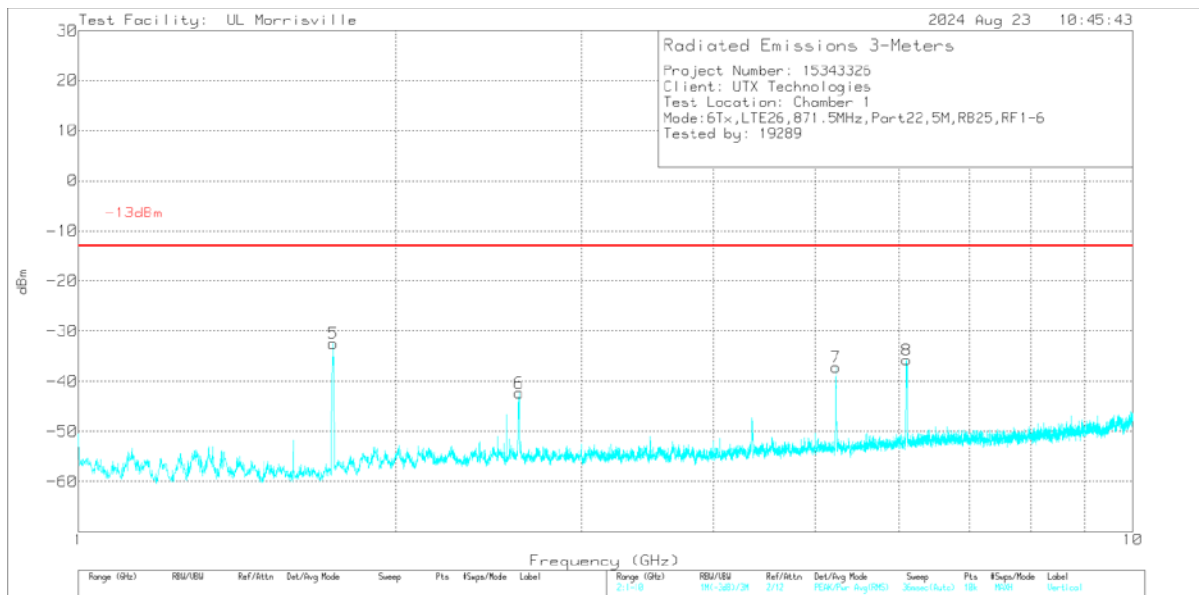
FCC: §22.917(a)

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.

OPSK LTE BAND 26 (15.0MHZ BANDWIDTH)



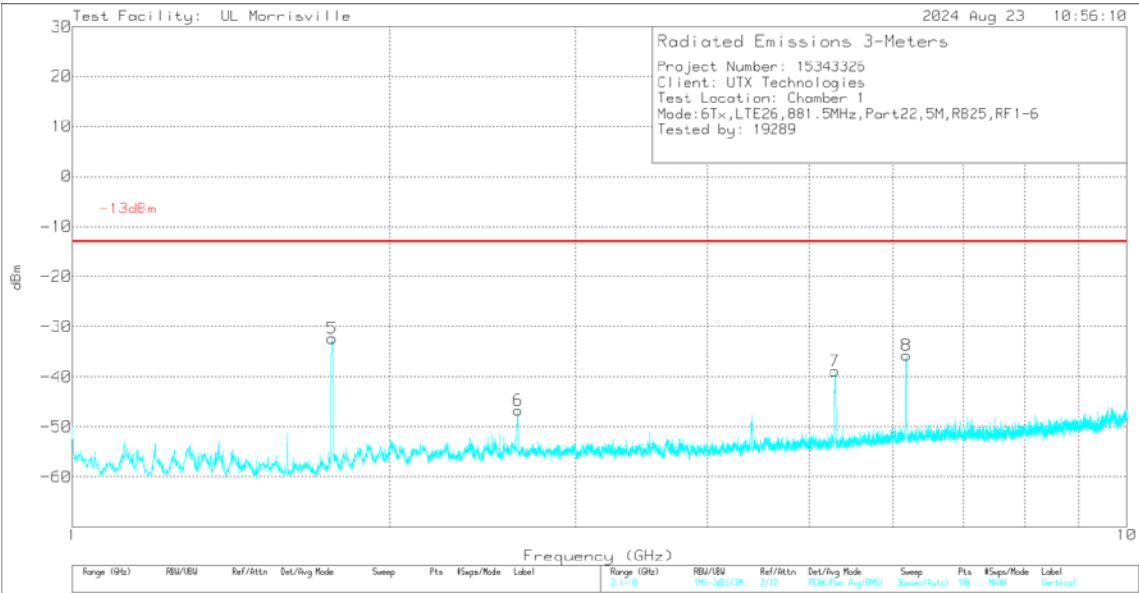
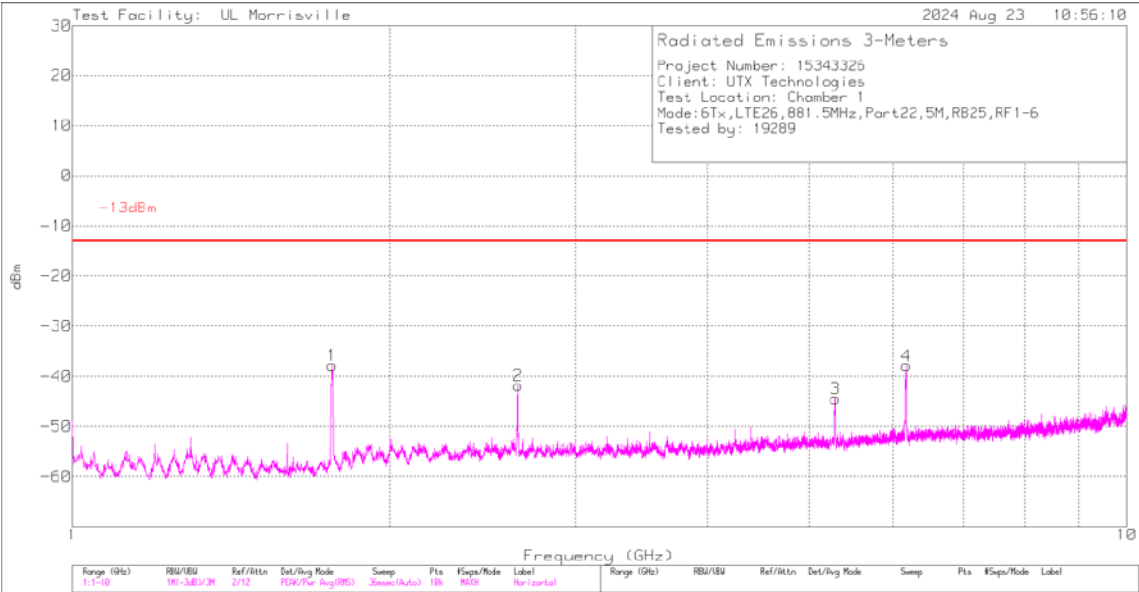
Rev 9.5 18 Oct 2021



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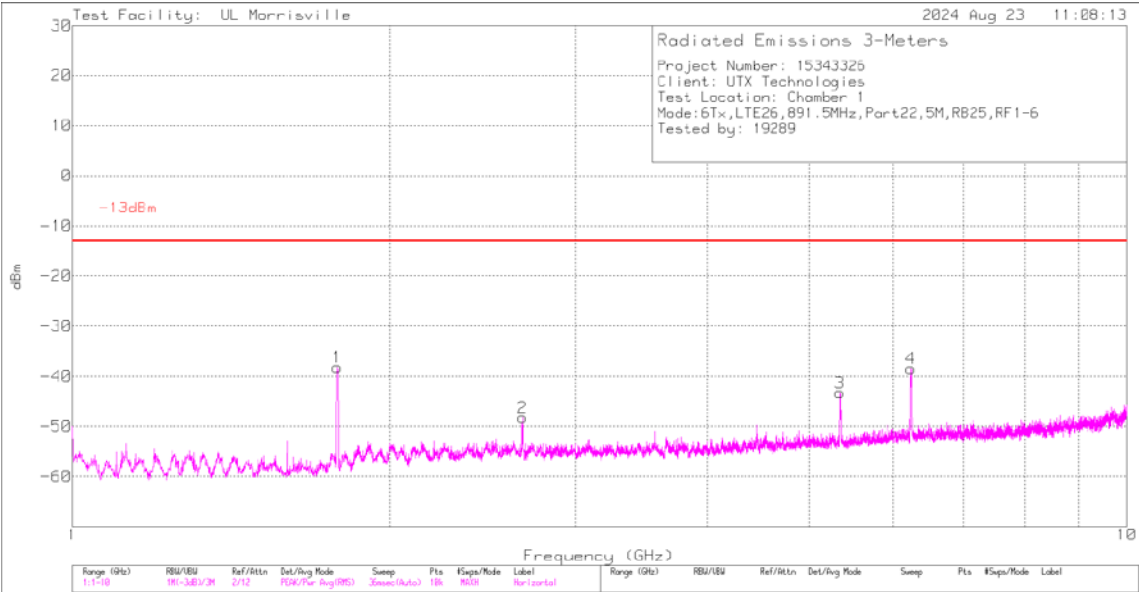
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7425	-32.25	Pk	29.4	-48.1	.4	11.8	-38.75	-13	-25.75	0-360	101	H
5	1.7452	-25.93	Pk	29.4	-48.1	.4	11.8	-32.43	-13	-19.43	0-360	200	V
2	2.6119	-33.4	Pk	32.5	-47.4	.4	11.8	-36.1	-13	-23.1	0-360	101	H
6	2.6173	-39.64	Pk	32.5	-47.5	.5	11.8	-42.34	-13	-29.34	0-360	300	V
7	5.2264	-39.46	Pk	34.3	-44.3	.4	11.8	-37.26	-13	-24.26	0-360	200	V
3	5.2309	-42.88	Pk	34.3	-44.2	.4	11.8	-40.58	-13	-27.58	0-360	101	H
4	6.0976	-38.55	Pk	35.2	-43.1	.3	11.8	-34.35	-13	-21.35	0-360	300	H
8	6.103	-39.97	Pk	35.2	-43.1	.3	11.8	-35.77	-13	-22.77	0-360	200	V

Pk - Peak detector

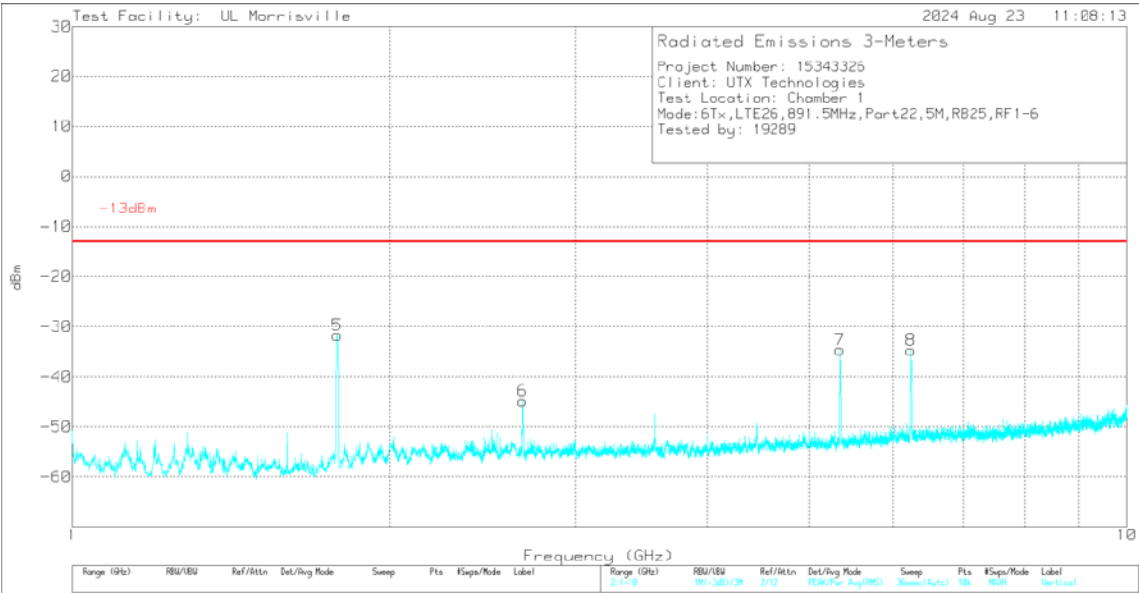


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7623	-31.38	Pk	29.6	-48.3	.4	11.8	-37.88	-13	-24.88	0-360	199	H
5	1.7632	-25.79	Pk	29.6	-48.3	.4	11.8	-32.29	-13	-19.29	0-360	101	V
2	2.6461	-39.15	Pk	32.5	-47.5	.5	11.8	-41.85	-13	-28.85	0-360	101	H
6	2.647	-44.03	Pk	32.5	-47.5	.5	11.8	-46.73	-13	-33.73	0-360	101	V
7	5.2894	-41.16	Pk	34.3	-44.1	.3	11.8	-38.86	-13	-25.86	0-360	200	V
3	5.2912	-46.67	Pk	34.3	-44.2	.3	11.8	-44.47	-13	-31.47	0-360	199	H
8	6.1777	-39.89	Pk	35.4	-43.3	.3	11.8	-35.69	-13	-22.69	0-360	200	V
4	6.1786	-42.1	Pk	35.4	-43.3	.3	11.8	-37.9	-13	-24.9	0-360	300	H

Pk - Peak detector



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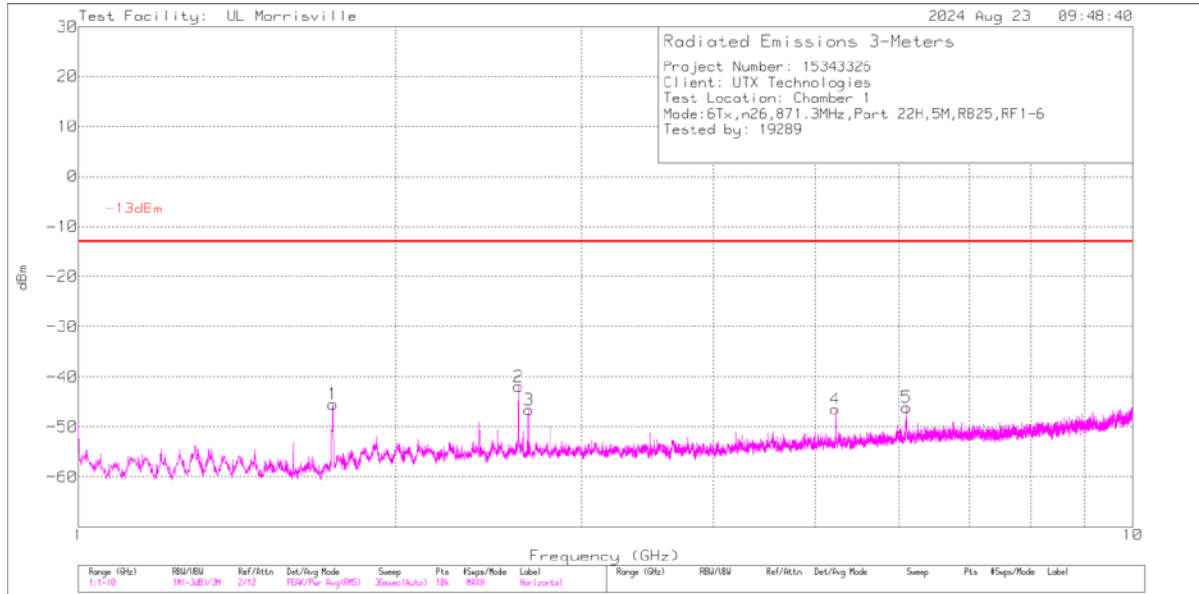


Rev 9.5 18 Oct 2021

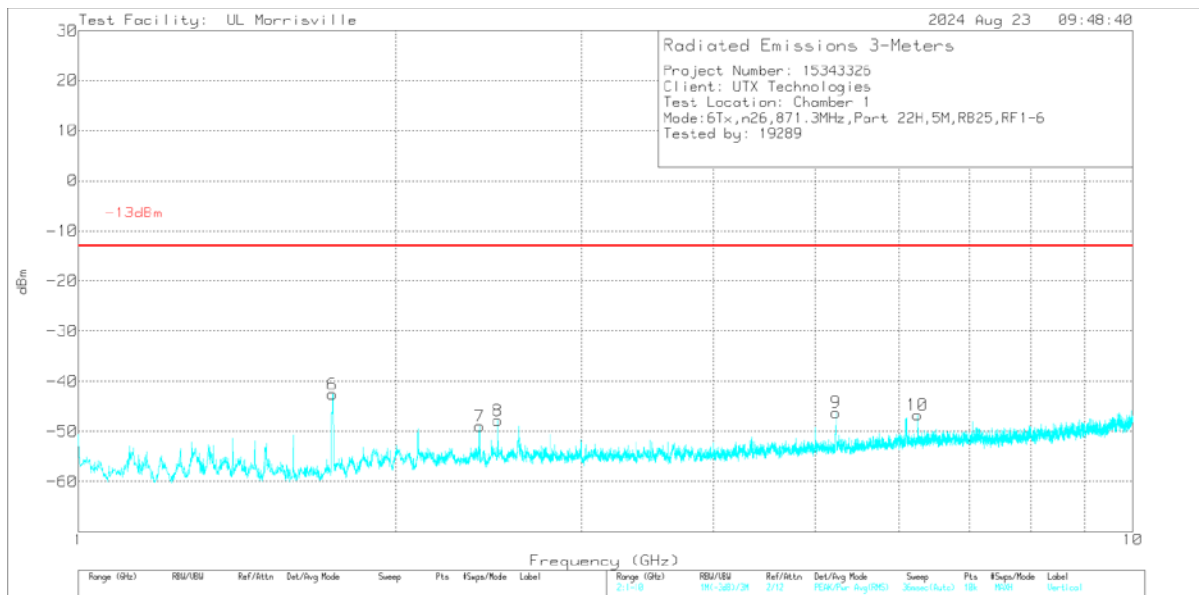
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7821	-32.4	Pk	29.9	-47.9	.4	11.8	-38.2	-13	-25.2	0-360	101	H
5	1.7821	-25.9	Pk	29.9	-47.9	.4	11.8	-31.7	-13	-18.7	0-360	101	V
2	2.674	-45.58	Pk	32.5	-47.4	.4	11.8	-48.28	-13	-35.28	0-360	299	H
6	2.674	-42.1	Pk	32.5	-47.4	.4	11.8	-44.8	-13	-31.8	0-360	200	V
3	5.3461	-45.79	Pk	34.3	-44	.4	11.8	-43.29	-13	-30.29	0-360	299	H
7	5.347	-37.14	Pk	34.3	-44	.4	11.8	-34.64	-13	-21.64	0-360	200	V
4	6.2407	-43.06	Pk	35.5	-43	.3	11.8	-38.46	-13	-25.46	0-360	299	H
8	6.2407	-39.29	Pk	35.5	-43	.3	11.8	-34.69	-13	-21.69	0-360	200	V

Pk - Peak detector

QPSK 5G NR n26 (5MHz BANDWIDTH)



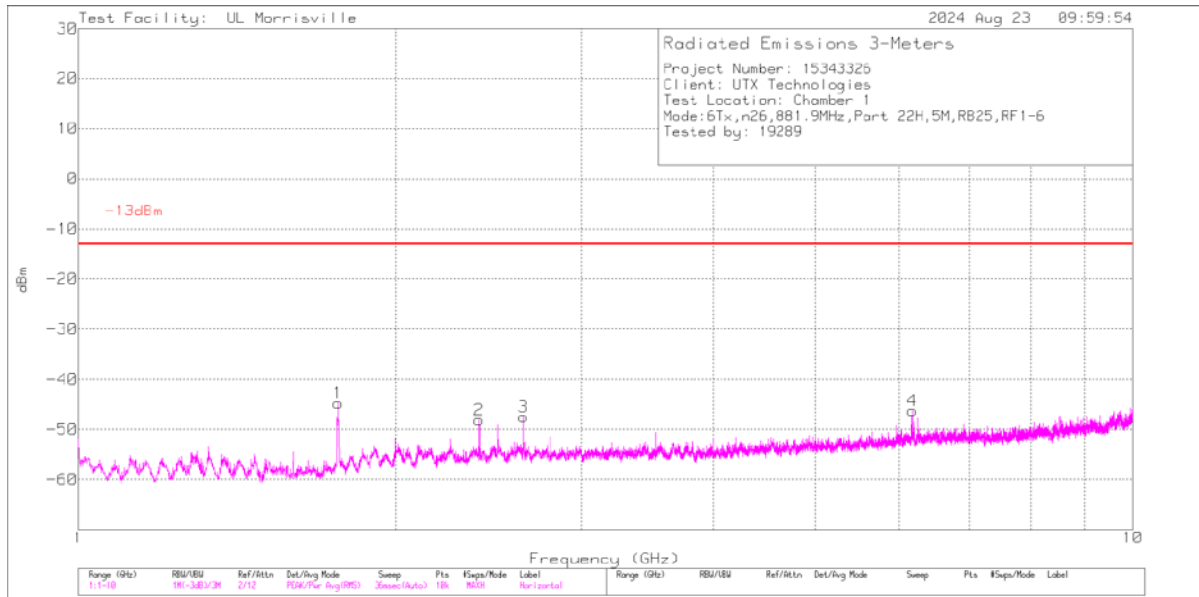
Rev 9.5 18 Oct 2021



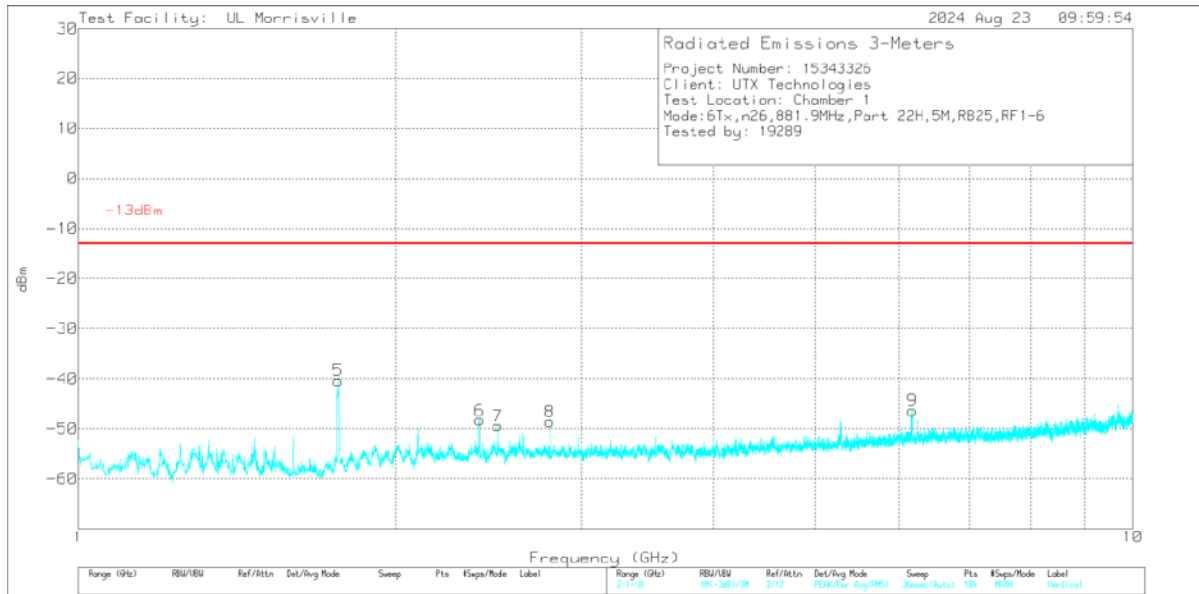
Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	1.7425	-36.09	Pk	29.4	-48.1	.4	11.8	-42.59	-13	-29.59	0-360	200	V
1	1.7434	-39.02	Pk	29.4	-48.1	.4	11.8	-45.52	-13	-32.52	0-360	200	H
7	2.4004	-44.89	Pk	32	-48.4	.5	11.8	-48.99	-13	-35.99	0-360	200	V
8	2.4994	-44.51	Pk	32.3	-47.9	.5	11.8	-47.81	-13	-34.81	0-360	200	V
2	2.6137	-39.25	Pk	32.5	-47.4	.4	11.8	-41.95	-13	-28.95	0-360	101	H
3	2.6758	-43.91	Pk	32.5	-47.4	.4	11.8	-46.61	-13	-33.61	0-360	299	H
4	5.2201	-48.67	Pk	34.3	-44.3	.4	11.8	-46.47	-13	-33.47	0-360	299	H
9	5.2282	-48.55	Pk	34.3	-44.2	.4	11.8	-46.25	-13	-33.25	0-360	200	V
5	6.1012	-50.27	Pk	35.2	-43.1	.3	11.8	-46.07	-13	-33.07	0-360	299	H
10	6.2497	-51.31	Pk	35.5	-43	.3	11.8	-46.71	-13	-33.71	0-360	200	V

Pk - Peak detector



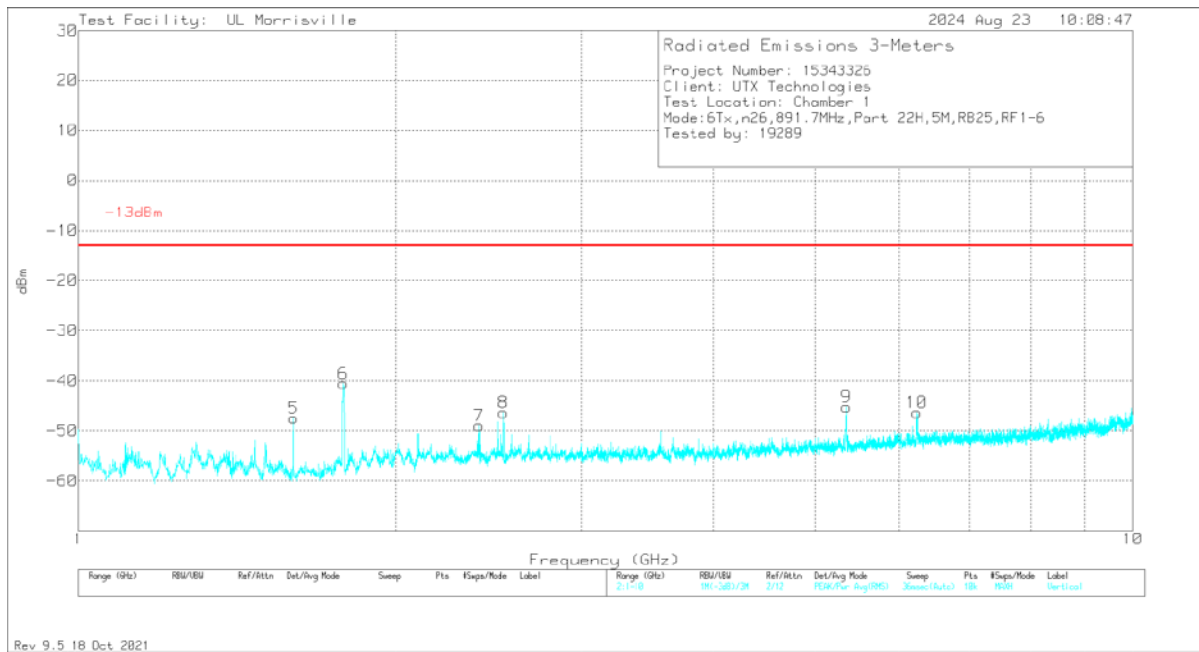
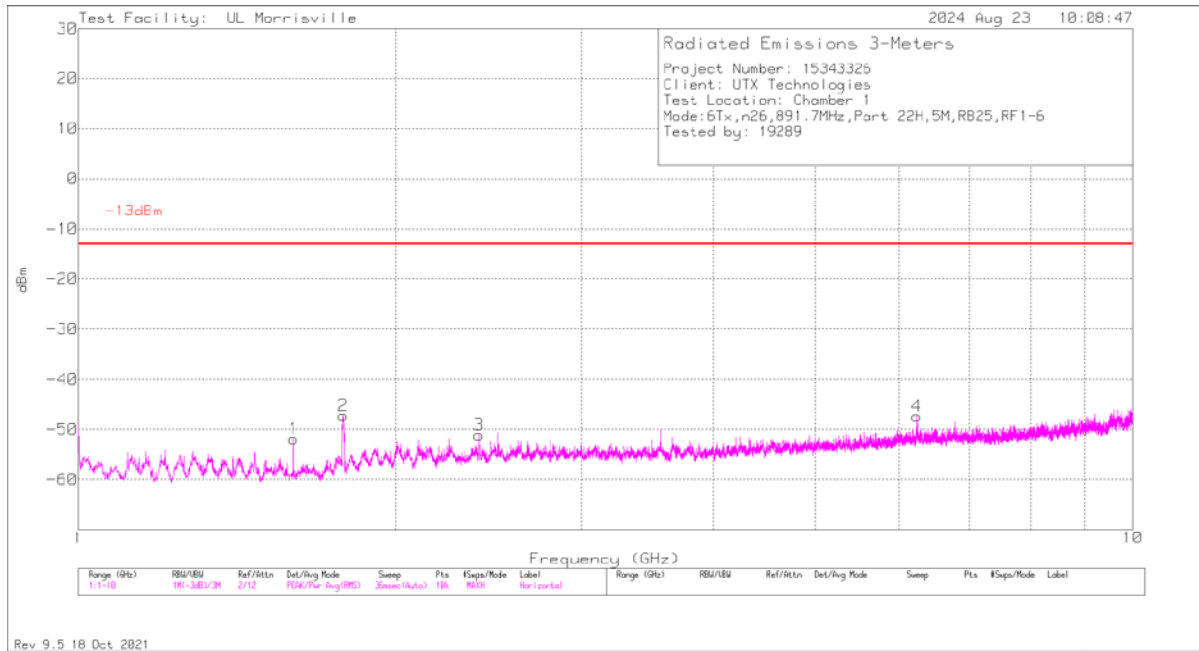
Rev 9.5 18 Oct 2021



Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.7632	-38.19	Pk	29.6	-48.3	.4	11.8	-44.69	-13	-31.69	0-360	200	H
5	1.7632	-33.88	Pk	29.6	-48.3	.4	11.8	-40.38	-13	-27.38	0-360	101	V
2	2.3995	-44	Pk	32	-48.4	.5	11.8	-48.1	-13	-35.1	0-360	300	H
6	2.4004	-44.19	Pk	32	-48.4	.5	11.8	-48.29	-13	-35.29	0-360	101	V
7	2.4994	-46.12	Pk	32.3	-47.9	.5	11.8	-49.42	-13	-36.42	0-360	101	V
3	2.6425	-44.75	Pk	32.5	-47.5	.5	11.8	-47.45	-13	-34.45	0-360	200	H
8	2.8	-46.28	Pk	32.5	-47	.4	11.8	-48.58	-13	-35.58	0-360	101	V
4	6.175	-50.28	Pk	35.4	-43.5	.3	11.8	-46.28	-13	-33.28	0-360	200	H
9	6.175	-50.39	Pk	35.4	-43.5	.3	11.8	-46.39	-13	-33.39	0-360	300	V

Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.5994	-44.41	Pk	28.1	-47.9	.6	11.8	-51.81	-13	-38.81	0-360	300	H
5	1.5994	-40.12	Pk	28.1	-47.9	.6	11.8	-47.52	-13	-34.52	0-360	101	V
2	1.783	-41.32	Pk	29.9	-48	.4	11.8	-47.22	-13	-34.22	0-360	199	H
6	1.783	-34.63	Pk	29.9	-48	.4	11.8	-40.53	-13	-27.53	0-360	200	V
3	2.3995	-46.97	Pk	32	-48.4	.5	11.8	-51.07	-13	-38.07	0-360	101	H
7	2.3995	-44.84	Pk	32	-48.4	.5	11.8	-48.94	-13	-35.94	0-360	101	V
8	2.5309	-42.95	Pk	32.3	-48	.5	11.8	-46.35	-13	-33.35	0-360	200	V
9	5.3524	-47.72	Pk	34.3	-44	.4	11.8	-45.22	-13	-32.22	0-360	101	V
4	6.238	-51.71	Pk	35.5	-43.2	.3	11.8	-47.31	-13	-34.31	0-360	101	H
10	6.2407	-50.91	Pk	35.5	-43	.3	11.8	-46.31	-13	-33.31	0-360	101	V

Pk - Peak detector

10.1.6. LTE BAND 30

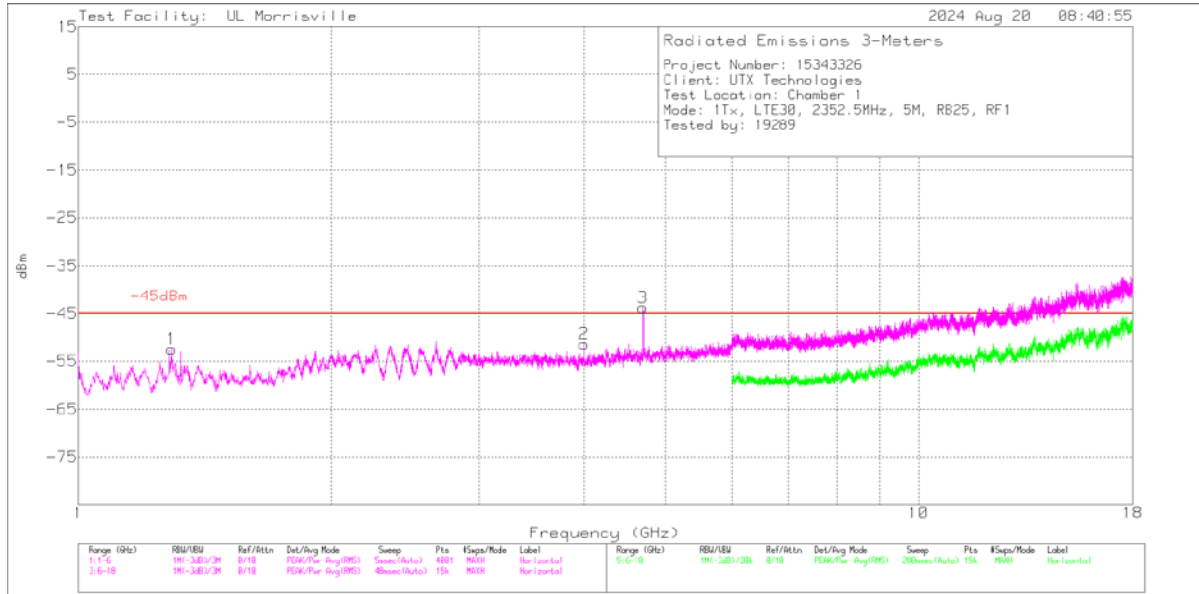
LIMITS

FCC: §27.53 (a)

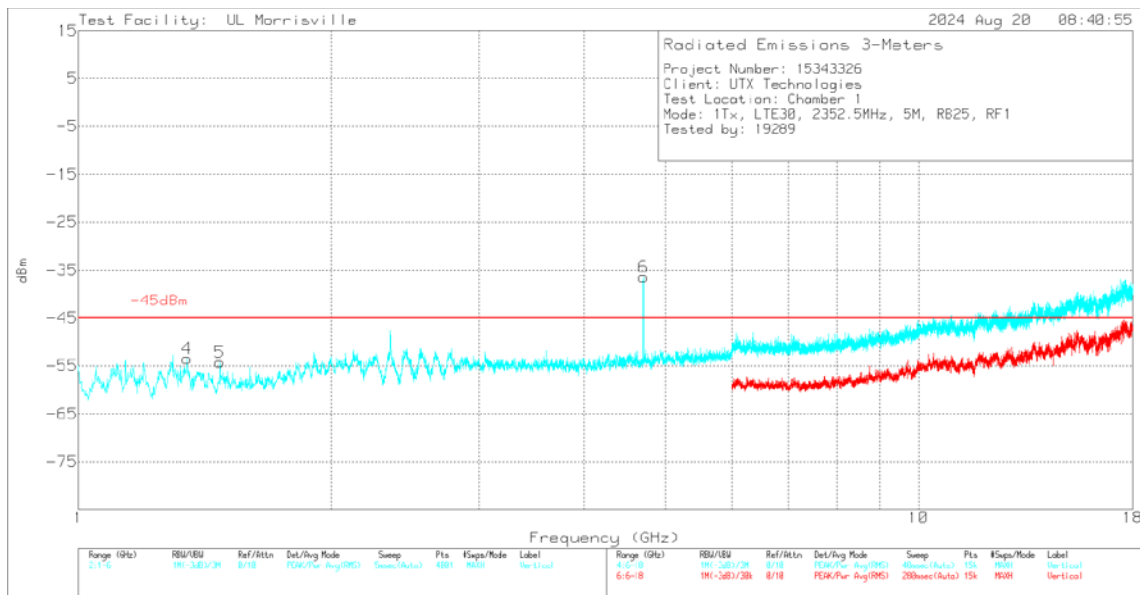
By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, and not less than $75 + 10 \log (P)$ dB on all frequencies between 2320 and 2345 MHz.

Note: Due to proximity of the emission limit to the noise floor, A Reduced Video Bandwidth range was run at >6GHz to confirm no emissions were visible.

OPSK LTE BAND 30 (5MHz BANDWIDTH)



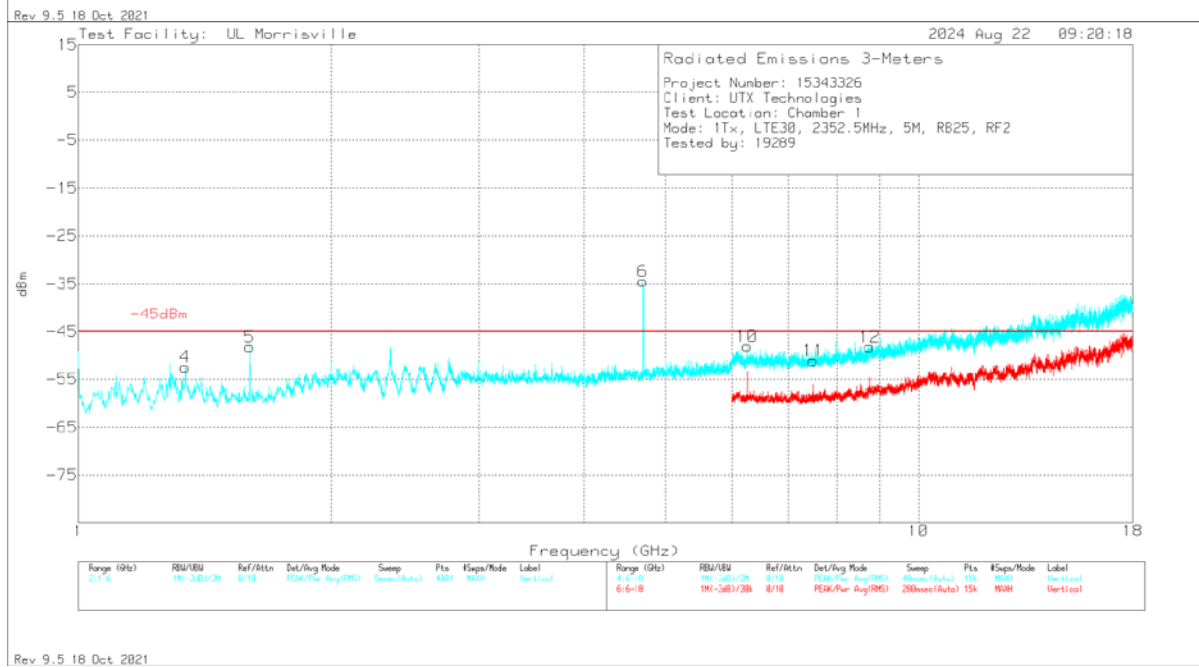
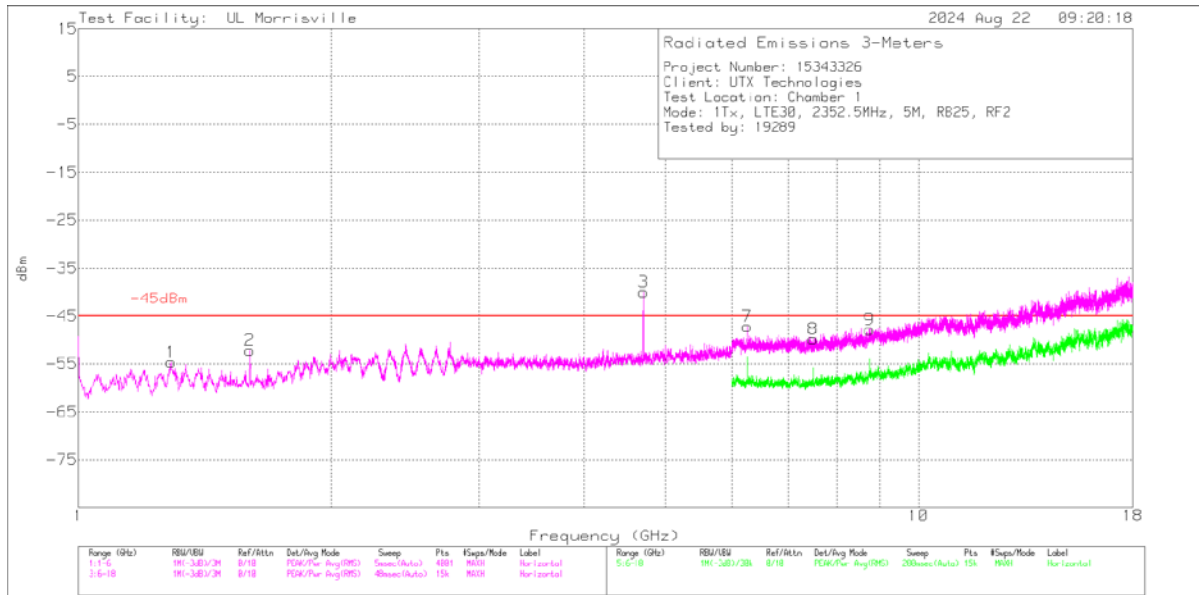
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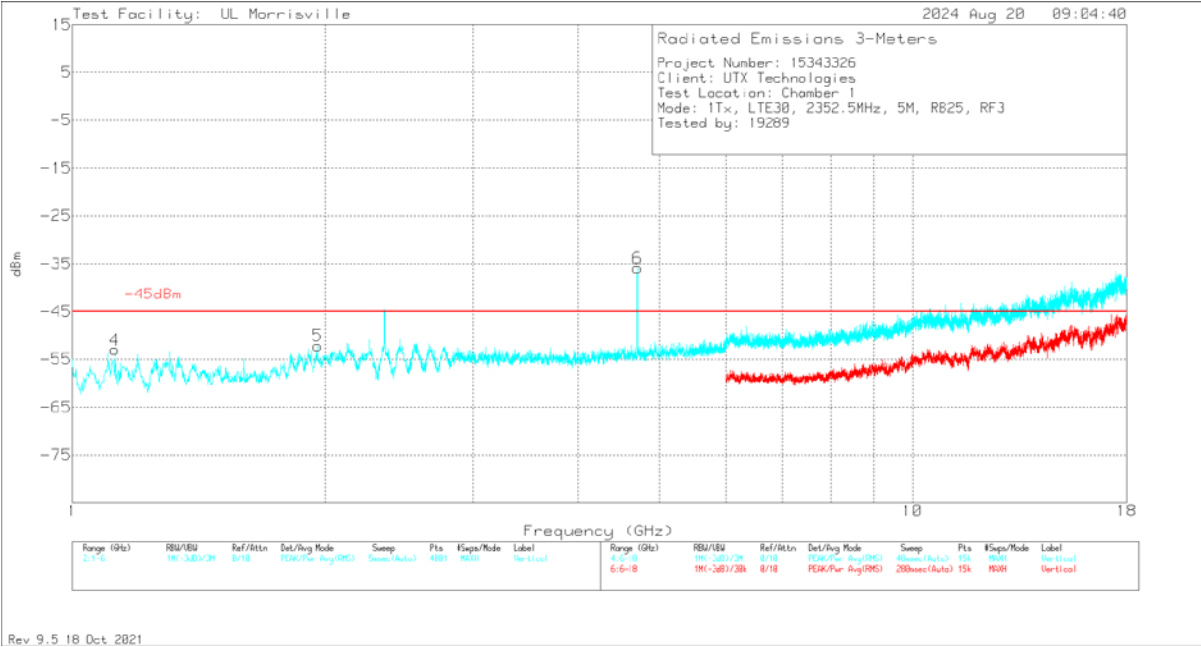
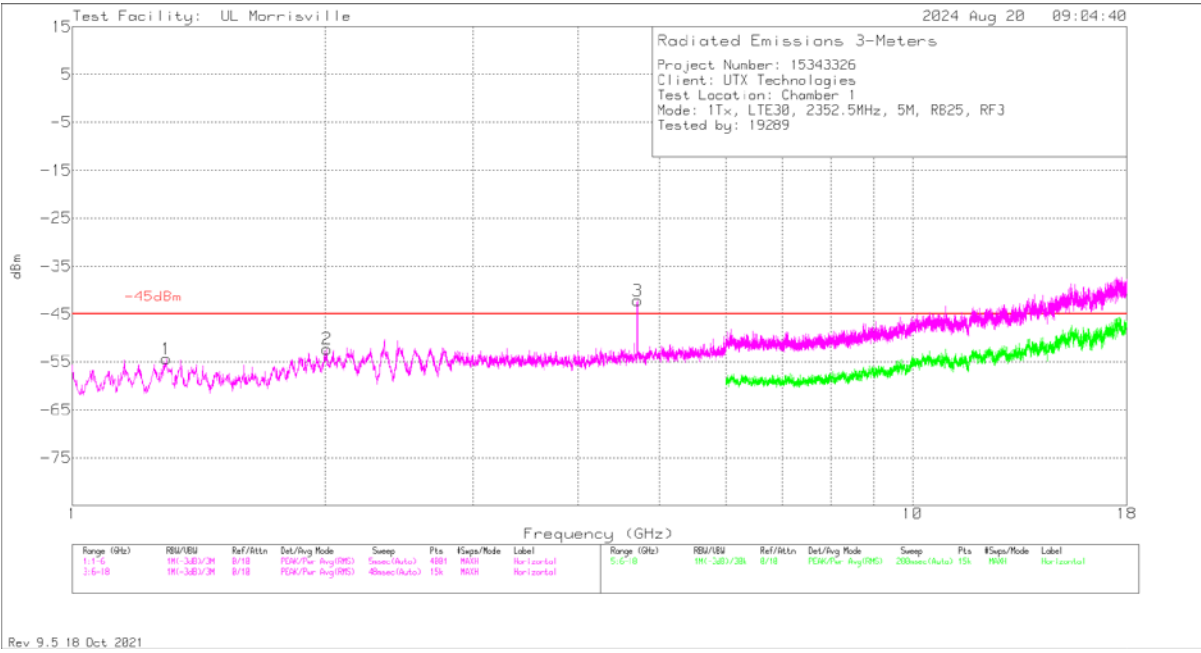
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.29125	-45.39	Pk	29.1	-48.5	11.8	.6	-52.39	-45	-7.39	0-360	299	H
4	1.3475	-46.39	Pk	29	-48.3	11.8	.4	-53.49	-45	-8.49	0-360	200	V
5	1.47375	-46.83	Pk	28.4	-48	11.8	.4	-54.23	-45	-9.23	0-360	200	V
2	4	-51.71	Pk	33	-44.9	11.8	.4	-51.41	-45	-6.41	0-360	299	H
3	4.70487	-52.98	RMS	33.8	-46.1	11.8	.3	-53.18	-45	-8.18	105	101	H
6	4.70519	-47.87	RMS	33.8	-46.1	11.8	.3	-48.07	-45	-3.07	285	177	V

Pk - Peak detector
RMS - RMS detection



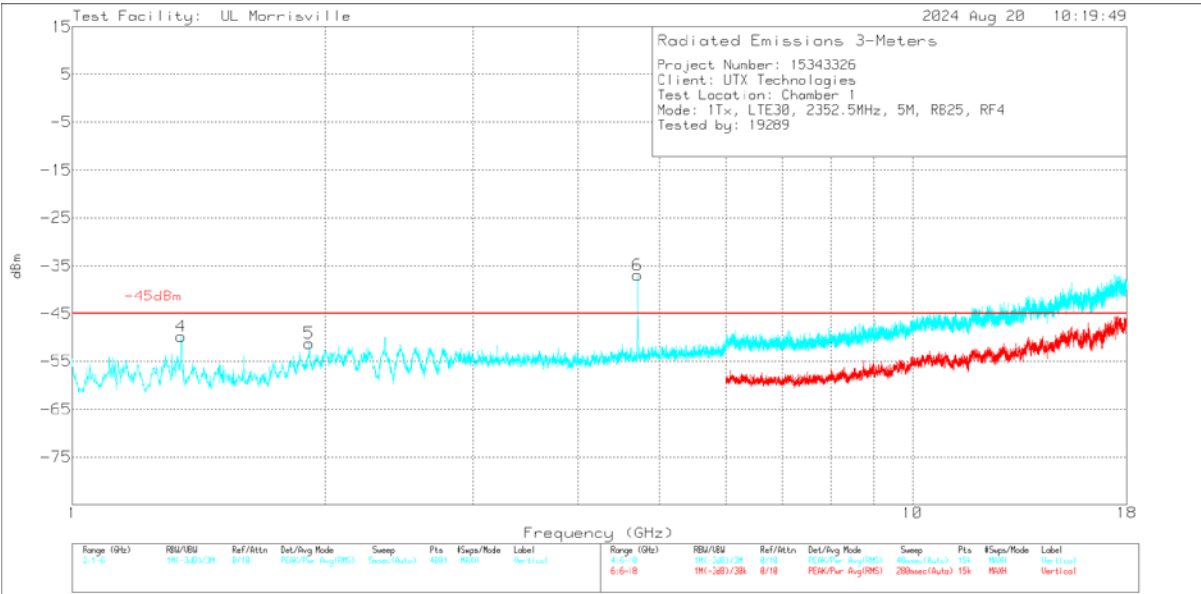
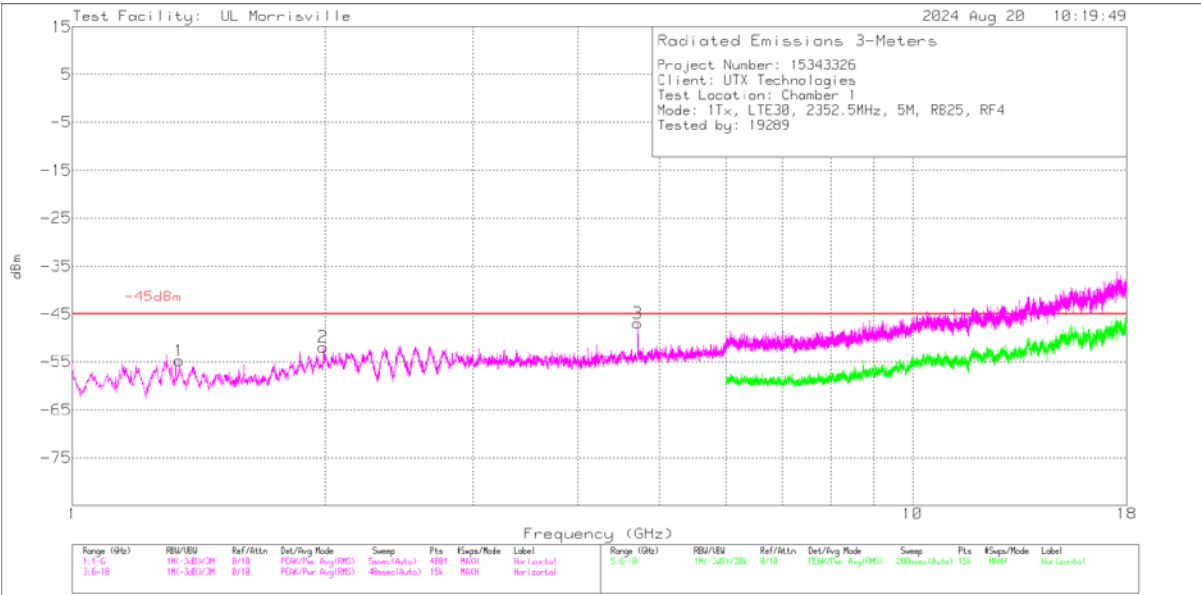
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.28875	-47.67	Pk	29.1	-48.5	11.8	.6	-54.67	-45	-9.67	0-360	99	H
4	1.34125	-45.6	Pk	29.1	-48.2	11.8	.5	-52.4	-45	-7.4	0-360	200	V
2	1.6	-44.68	Pk	28.1	-47.9	11.8	.5	-52.18	-45	-7.18	0-360	299	H
5	1.59996	-41.14	RMS	28.1	-47.9	11.8	.5	-48.64	-45	-3.64	320	110	V
6	4.70499	-46.79	RMS	33.8	-46.1	11.8	.3	-46.99	-45	-1.99	331	175	V
3	4.70464	-53.78	RMS	33.8	-46.1	11.8	.3	-53.98	-45	-8.98	101	105	H
7	6.25002	-57.38	RMS	35.5	-42	11.8	0	-52.08	-45	-7.08	90	102	H
10	6.24992	-55.85	RMS	35.5	-42	11.8	0	-50.55	-45	-5.55	159	105	V
8	7.49996	-62.67	RMS	35.5	-41.3	11.8	0	-56.67	-45	-11.67	170	118	H
11	7.49999	-62.06	RMS	35.5	-41.3	11.8	0	-56.06	-45	-11.06	121	111	V
9	8.7502	-62.53	RMS	35.7	-40	11.8	0	-55.03	-45	-10.03	113	128	H
12	8.75019	-61.7	RMS	35.7	-40	11.8	0	-54.2	-45	-9.2	160	111	V

Pk - Peak detector
RMS - RMS detection



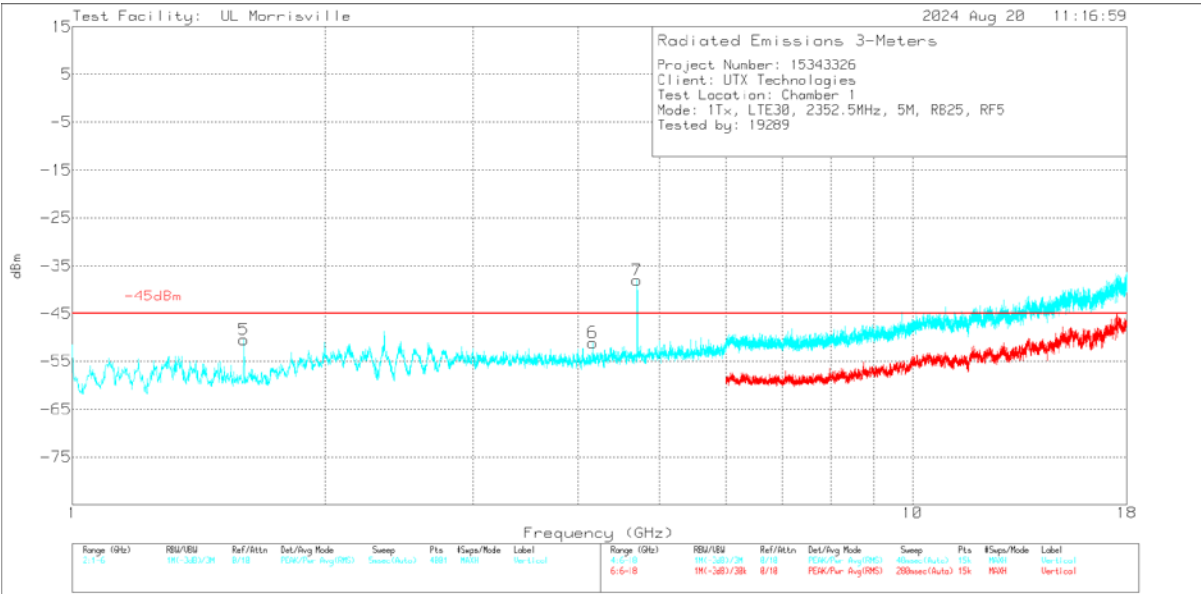
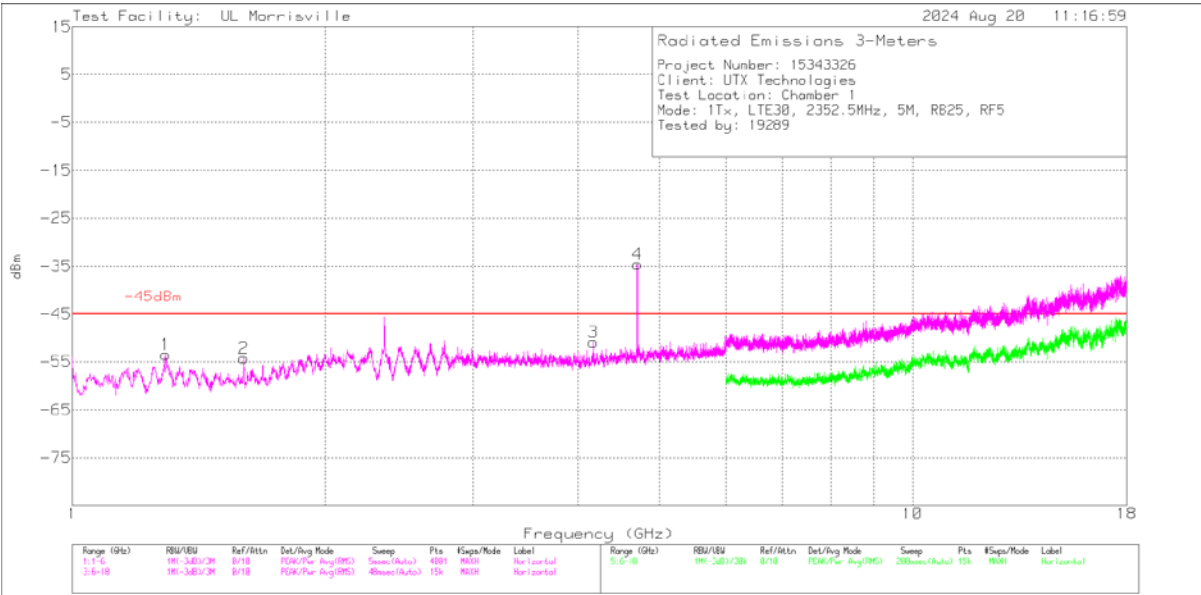
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.1225	-44.7	Pk	28	-48.6	11.8	.5	-53	-45	-8	0-360	101	V
1	1.2925	-47.4	Pk	29.1	-48.5	11.8	.6	-54.4	-45	-9.4	0-360	101	H
5	1.9575	-47.78	Pk	31.5	-48.5	11.8	.8	-52.18	-45	-7.18	0-360	300	V
2	2.00875	-48.64	Pk	31.7	-48.1	11.8	1	-52.24	-45	-7.24	0-360	101	H
3	4.70474	-54.09	RMS	33.8	-46.1	11.8	.3	-54.29	-45	-9.29	84	105	H
6	4.70467	-45.21	RMS	33.8	-46.1	11.8	.3	-45.41	-45	-.41	355	148	V

Pk - Peak detector
RMS - RMS detection



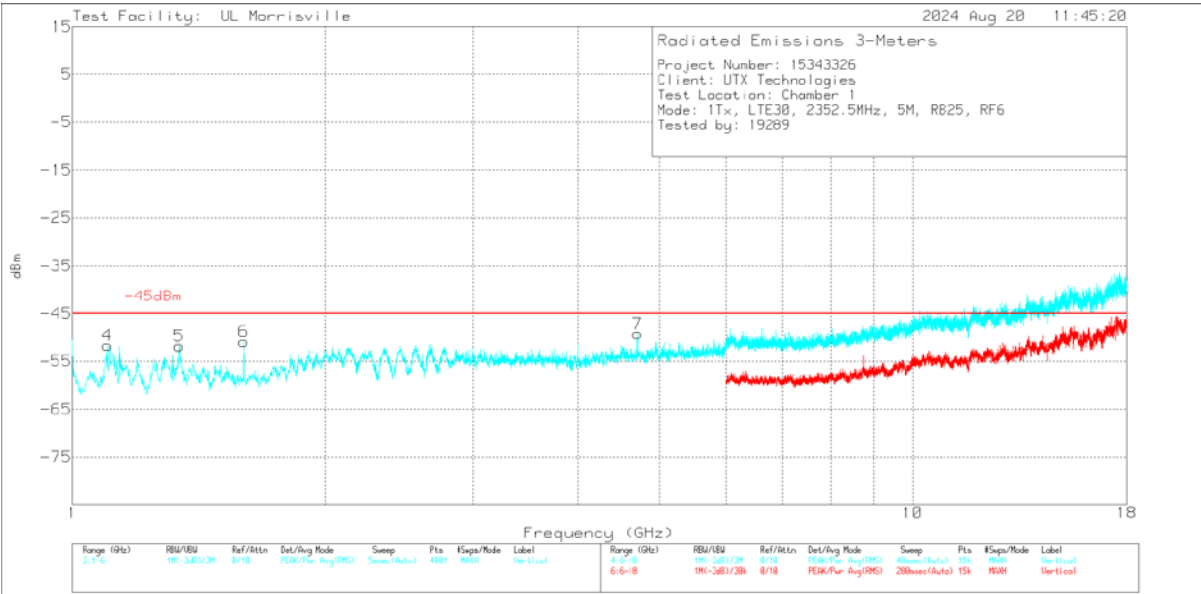
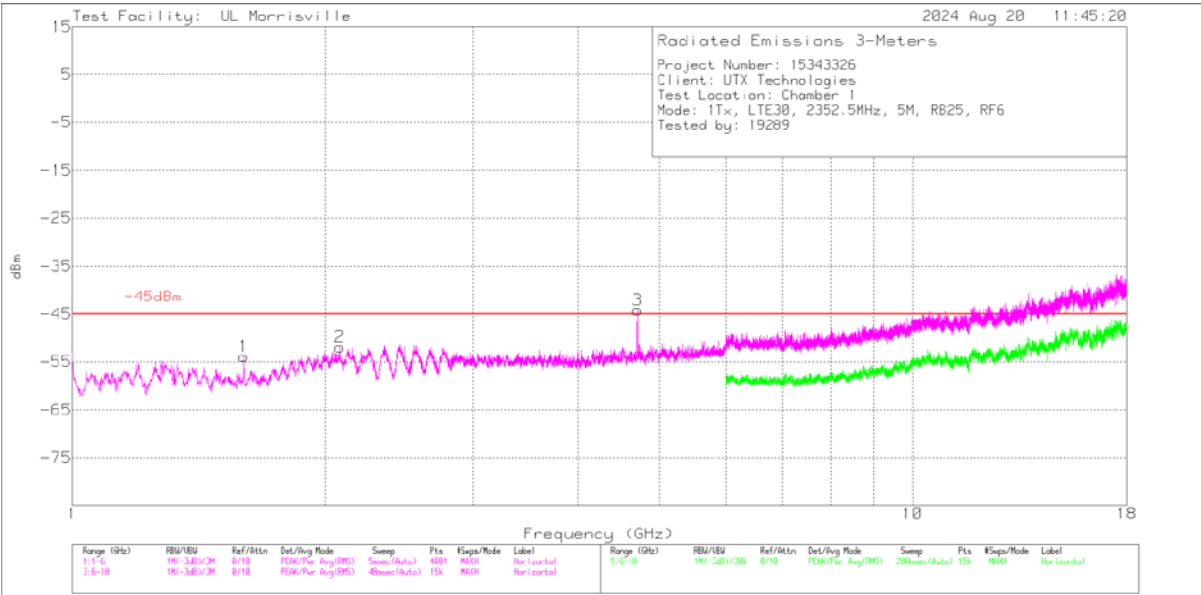
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.34	-47.92	Pk	29.1	-48.2	11.8	.5	-54.72	-45	-9.72	0-360	101	H
4	1.34519	-54.66	RMS	29	-48.2	11.8	.4	-61.66	-45	-16.66	129	111	V
5	1.91375	-47.07	Pk	31.3	-48.1	11.8	.8	-51.27	-45	-6.27	0-360	299	V
2	1.99	-47.84	Pk	31.7	-48.4	11.8	.9	-51.84	-45	-6.84	0-360	101	H
3	4.70998	-54.03	RMS	33.8	-46	11.8	.3	-54.13	-45	-9.13	358	106	H
6	4.70969	-49.63	RMS	33.8	-46	11.8	.3	-49.73	-45	-4.73	0	153	V

Pk - Peak detector
RMS - RMS detection



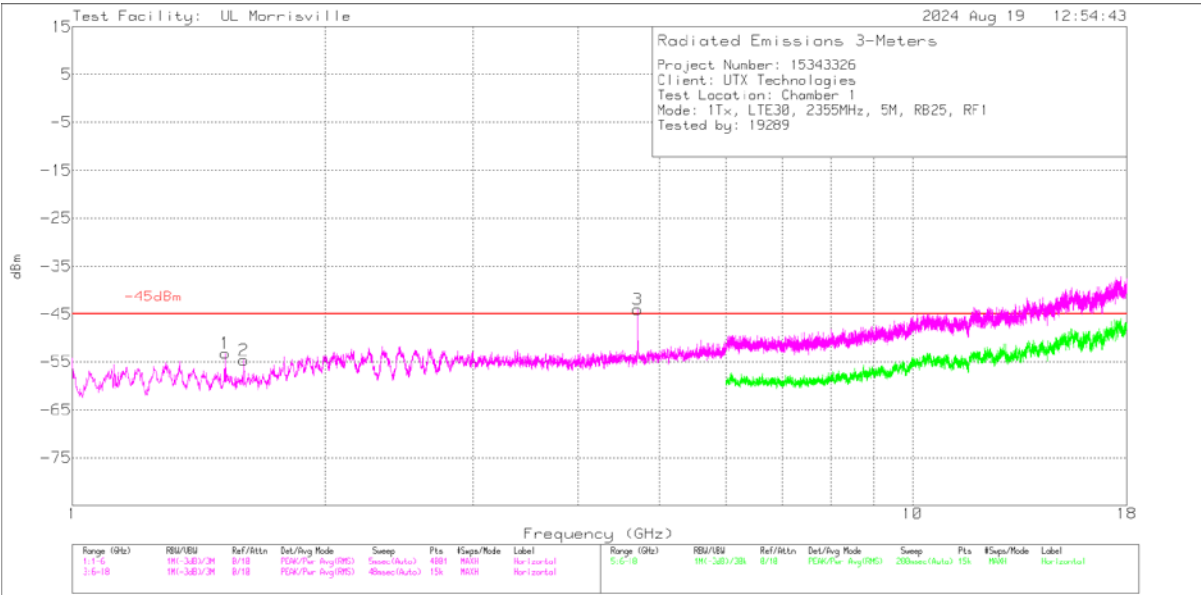
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.29125	-46.46	Pk	29.1	-48.5	11.8	.6	-53.46	-45	-8.46	0-360	101	H
2	1.6	-46.72	Pk	28.1	-47.9	11.8	.5	-54.22	-45	-9.22	0-360	299	H
5	1.59999	-41.63	RMS	28.1	-47.9	11.8	.5	-49.13	-45	-4.13	326	265	V
6	4.16125	-50.57	Pk	33.4	-46	11.8	.3	-51.07	-45	-6.07	0-360	101	V
3	4.16753	-61.93	RMS	33.4	-46	11.8	.3	-62.43	-45	-17.43	112	117	H
7	4.70467	-52.7	RMS	33.8	-46.1	11.8	.3	-52.9	-45	-7.9	306	280	V
4	4.70525	-46.96	RMS	33.8	-46.1	11.8	.3	-47.16	-45	-2.16	324	312	H

Pk - Peak detector
RMS - RMS detection

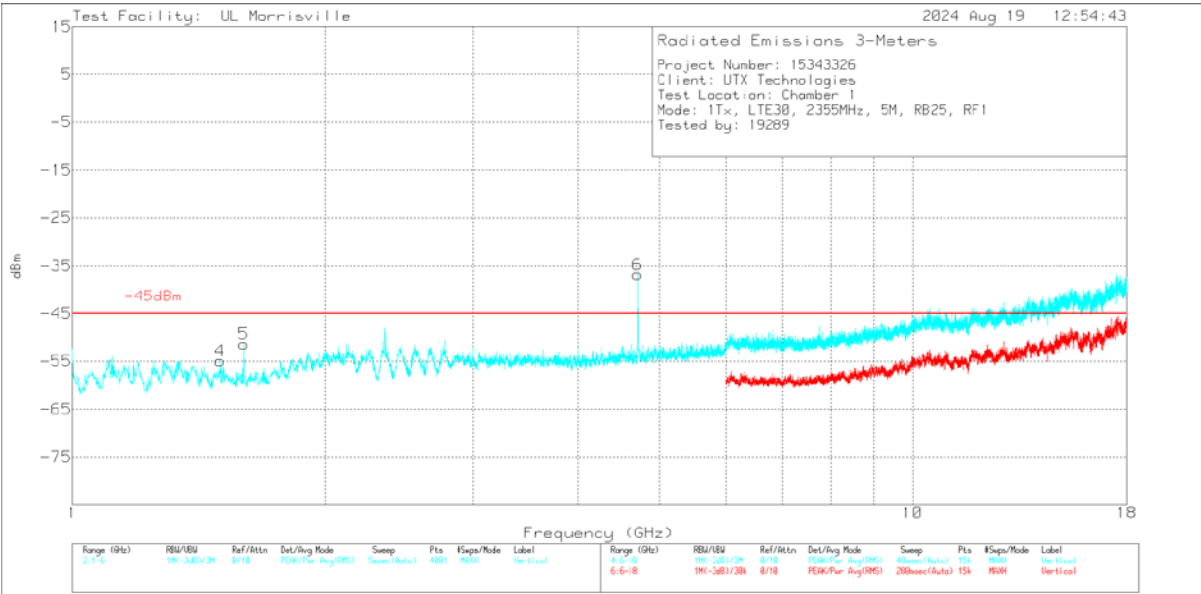


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.1	-43.28	Pk	27.8	-48.5	11.8	.5	-51.68	-45	-6.68	0-360	101	V
5	1.34125	-45.01	Pk	29.1	-48.2	11.8	.5	-51.81	-45	-6.81	0-360	200	V
1	1.6	-46.31	Pk	28.1	-47.9	11.8	.5	-53.81	-45	-8.81	0-360	300	H
6	1.60004	-42.24	RMS	28.1	-47.9	11.8	.5	-49.74	-45	-4.74	325	267	V
2	2.07875	-48.48	Pk	31.7	-48.3	11.8	1.4	-51.88	-45	-6.88	0-360	199	H
3	4.70485	-52.93	RMS	33.8	-46.1	11.8	.3	-53.13	-45	-8.13	323	242	H
7	4.70609	-56.99	RMS	33.8	-46.1	11.8	.3	-57.19	-45	-12.19	347	255	V

PK - Peak detector
RMS - RMS detection



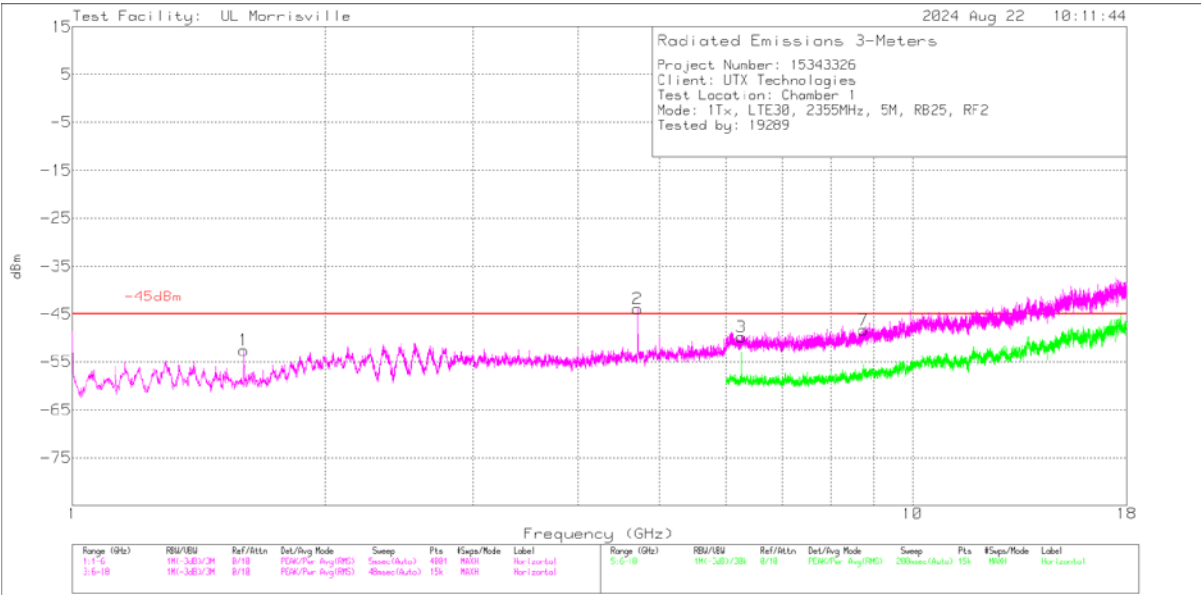
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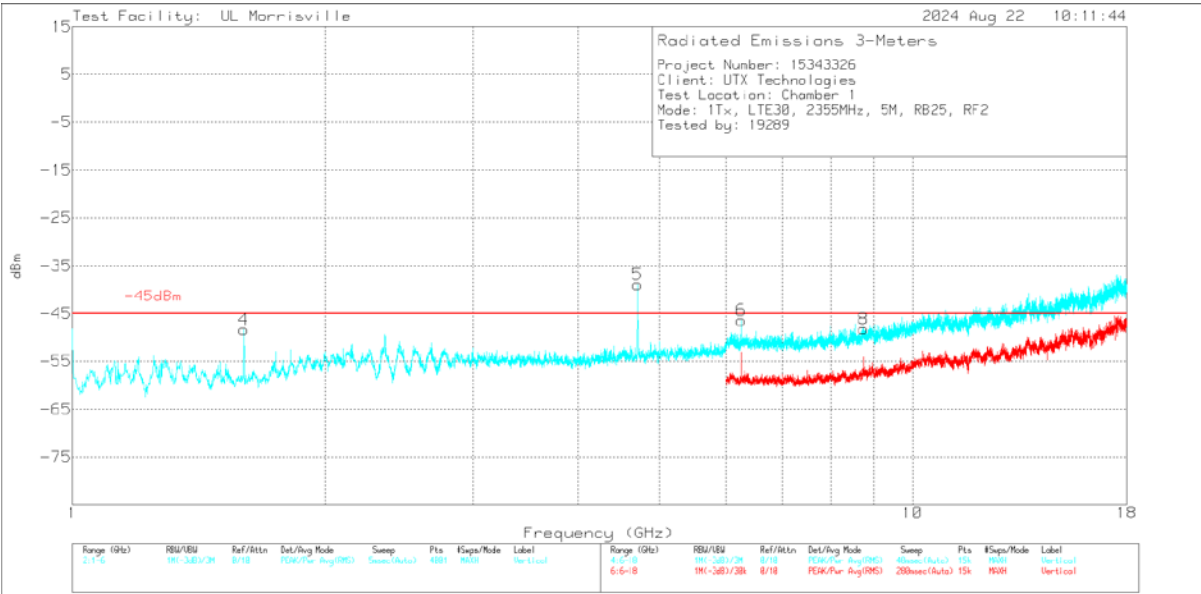
Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.5	-47.18	Pk	28.2	-48.1	11.8	.4	-54.88	-45	-9.88	0-360	101	V
1	1.52	-45.49	Pk	28.1	-48.1	11.8	.5	-53.19	-45	-8.19	0-360	101	H
2	1.6	-47.18	Pk	28.1	-47.9	11.8	.5	-54.68	-45	-9.68	0-360	101	H
5	1.6	-43.83	Pk	28.1	-47.9	11.8	.5	-51.33	-45	-6.33	0-360	101	V
3	4.71006	-52.22	RMS	33.8	-46	11.8	.3	-52.32	-45	-7.32	275	110	H
6	4.71019	-47.32	RMS	33.8	-46	11.8	.3	-47.42	-45	-2.42	287	137	V

Pk - Peak detector
RMS - RMS detection



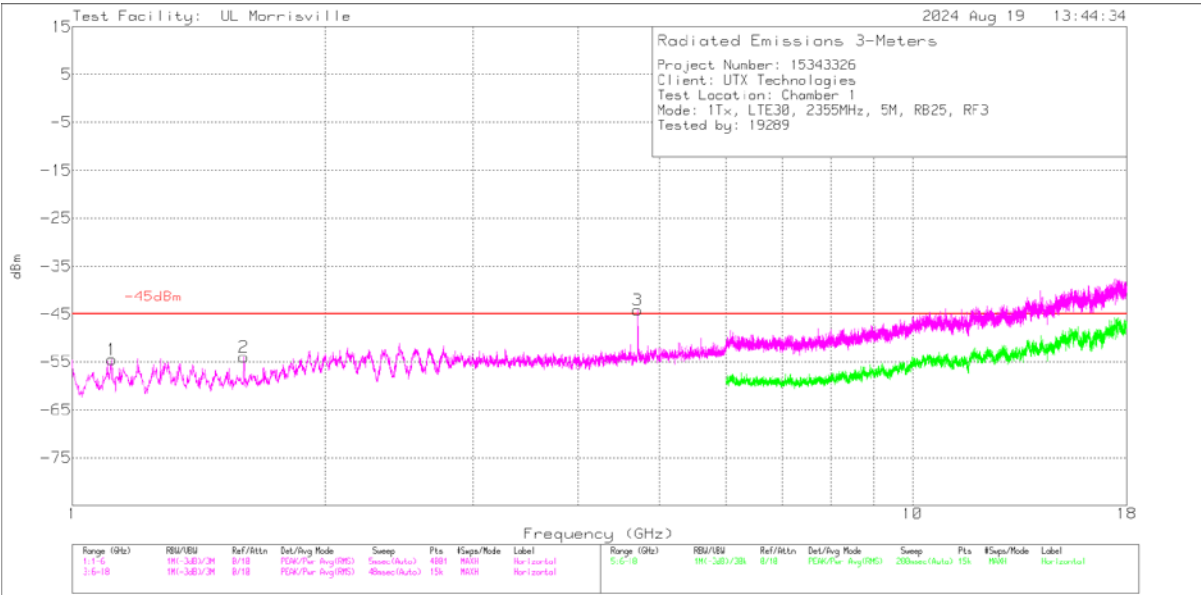
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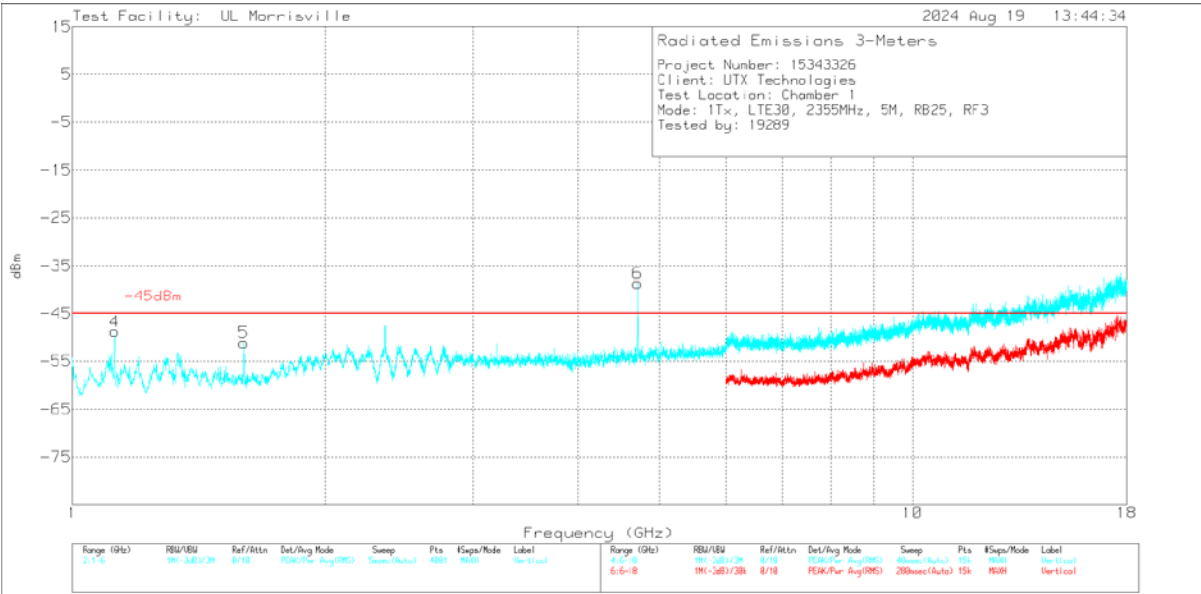
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.6	-45.04	Pk	28.1	-47.9	11.8	.5	-52.54	-45	-7.54	0-360	299	H
4	1.59998	-41.48	RMS	28.1	-47.9	11.8	.5	-48.98	-45	-3.98	318	102	V
2	4.7095	-56.21	RMS	33.8	-46	11.8	.3	-56.31	-45	-11.31	104	101	H
5	4.70963	-47.04	RMS	33.8	-46	11.8	.3	-47.14	-45	-2.14	327	168	V
3	6.24993	-56.82	RMS	35.5	-42	11.8	0	-51.52	-45	-6.52	95	101	H
6	6.24998	-54.76	RMS	35.5	-42	11.8	0	-49.46	-45	-4.46	160	101	V
7	8.75011	-62	RMS	35.7	-40	11.8	0	-54.5	-45	-9.5	30	103	H
8	8.74996	-61.02	RMS	35.7	-40	11.8	0	-53.52	-45	-8.52	4	101	V

Pk - Peak detector
RMS - RMS detection



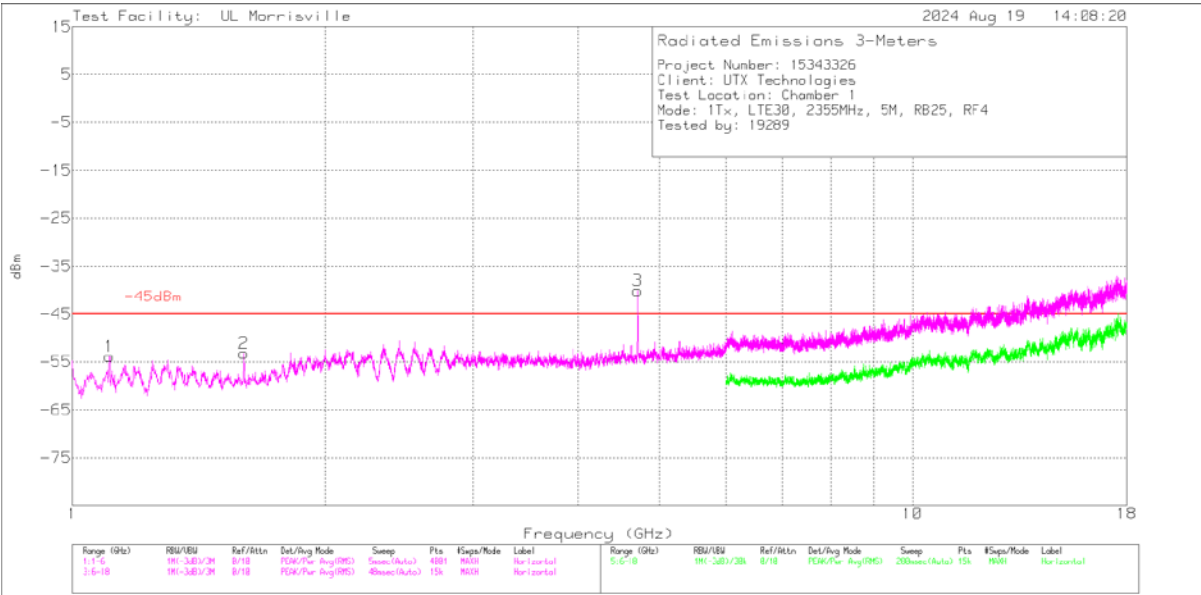
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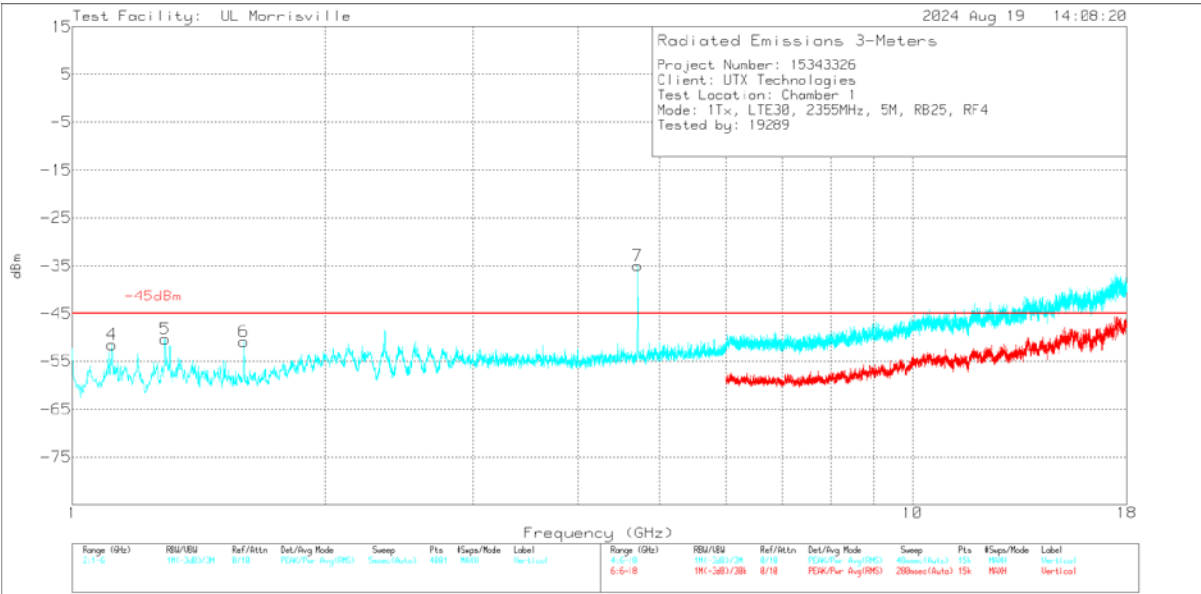
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.11375	-46.14	Pk	28	-48.7	11.8	.5	-54.54	-45	-9.54	0-360	101	H
4	1.11828	-51.13	RMS	28	-48.5	11.8	.5	-59.33	-45	-14.33	316	352	V
2	1.6	-46.47	Pk	28.1	-47.9	11.8	.5	-53.97	-45	-8.97	0-360	101	H
5	1.6	-43.62	Pk	28.1	-47.9	11.8	.5	-51.12	-45	-6.12	0-360	200	V
3	4.71076	-52.34	RMS	33.8	-46	11.8	.3	-52.44	-45	-7.44	341	304	H
6	4.71	-47.02	RMS	33.8	-46	11.8	.3	-47.12	-45	-2.12	4	180	V

Pk - Peak detector
RMS - RMS detection



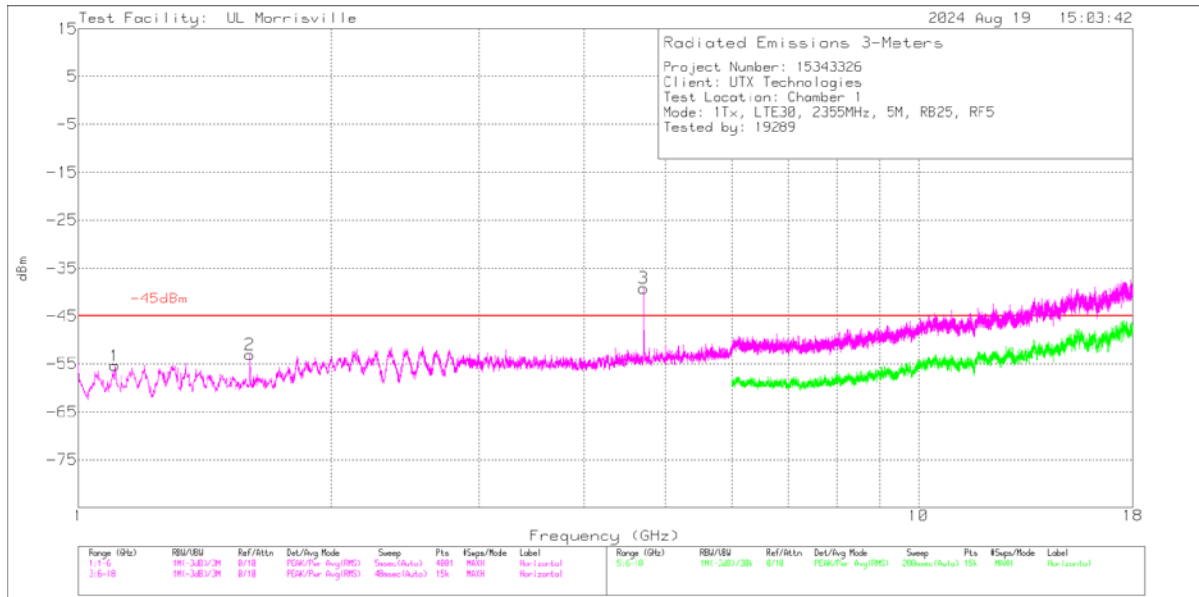
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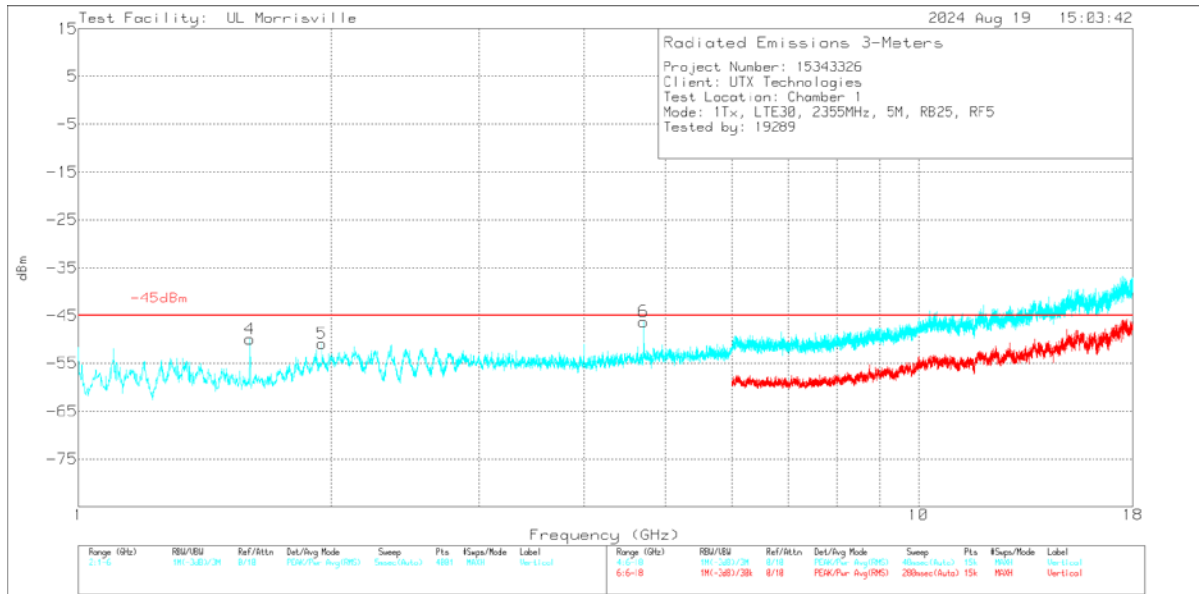
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.10625	-45.4	Pk	27.9	-48.7	11.8	.5	-53.9	-45	-8.9	0-360	101	H
4	1.11375	-43.11	Pk	28	-48.7	11.8	.5	-51.51	-45	-6.51	0-360	101	V
5	1.28889	-54.47	RMS	29.1	-48.5	11.8	.6	-61.47	-45	-16.47	55	384	V
2	1.6	-45.65	Pk	28.1	-47.9	11.8	.5	-53.15	-45	-8.15	0-360	299	H
6	1.60002	-45.95	RMS	28.1	-47.9	11.8	.5	-53.45	-45	-8.45	265	390	V
7	4.70968	-50.6	RMS	33.8	-46	11.8	.3	-50.7	-45	-5.7	358	107	H
3	4.70978	-45.23	RMS	33.8	-46	11.8	.3	-45.33	-45	-.33	331	189	V

Pk - Peak detector
RMS - RMS detection



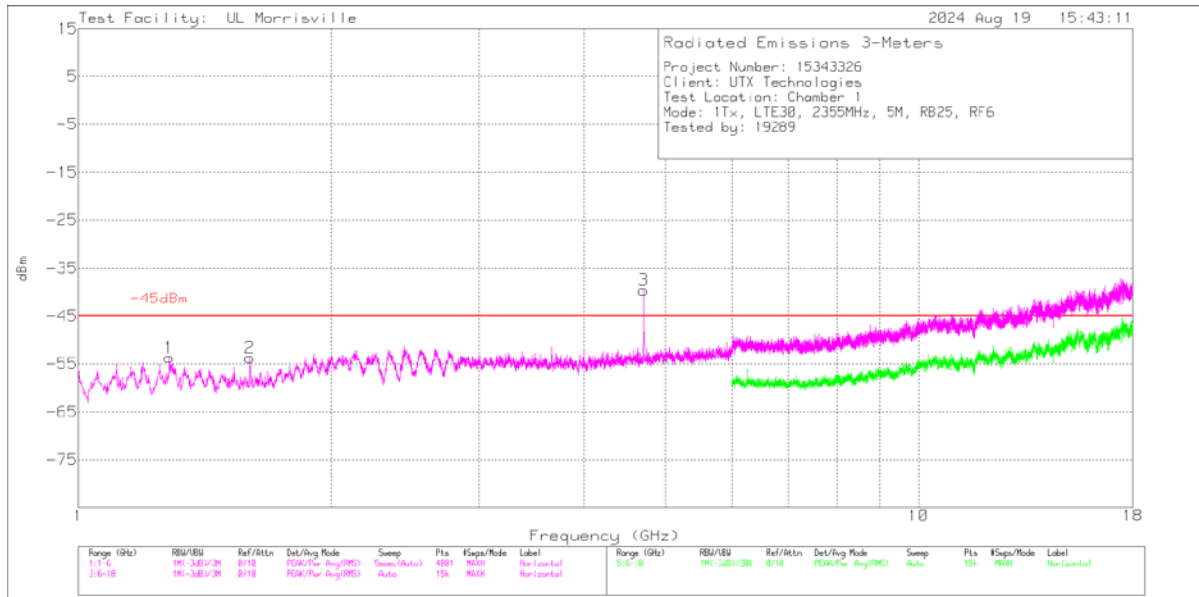
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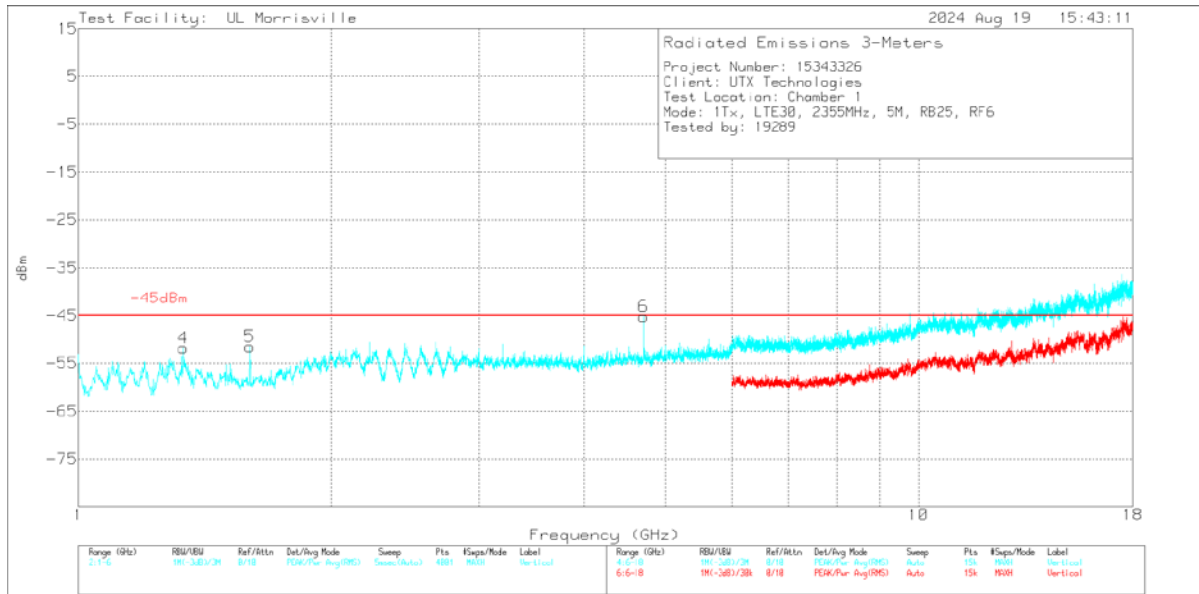
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.105	-46.86	Pk	27.9	-48.7	11.8	.5	-55.36	-45	-10.36	0-360	101	H
2	1.6	-45.54	Pk	28.1	-47.9	11.8	.5	-53.04	-45	-8.04	0-360	101	H
4	1.60007	-43.45	RMS	28.1	-47.9	11.8	.5	-50.95	-45	-5.95	328	219	V
5	1.95004	-57.69	RMS	31.5	-48.5	11.8	.8	-62.09	-45	-17.09	330	296	V
3	4.71011	-49.29	RMS	33.8	-46	11.8	.3	-49.39	-45	-4.39	325	314	H
6	4.70982	-54.46	RMS	33.8	-46	11.8	.3	-54.56	-45	-9.56	360	205	V

Pk - Peak detector
RMS - RMS detection



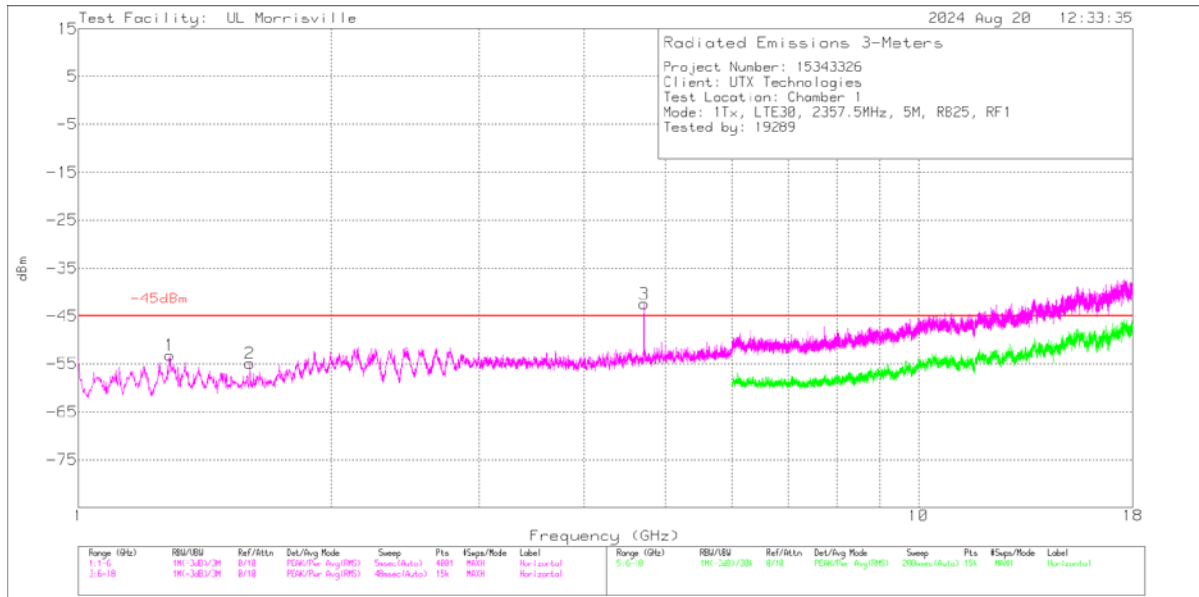
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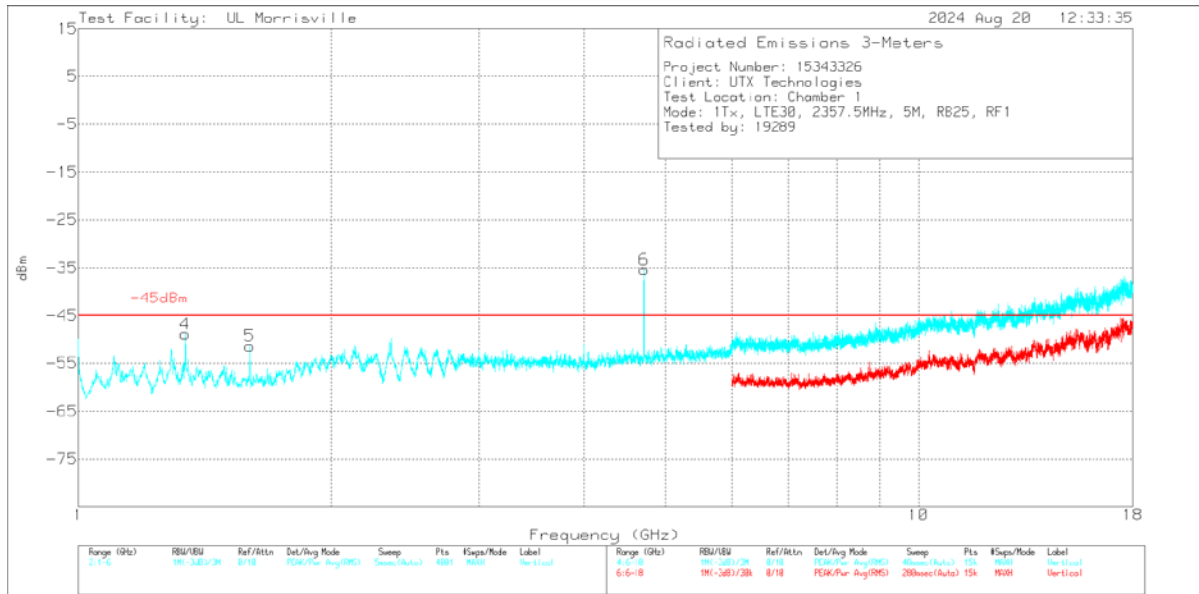
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.2825	-46.66	Pk	29.1	-48.5	11.8	.6	-53.66	-45	-8.66	0-360	199	H
4	1.33375	-44.91	Pk	29.1	-48.3	11.8	.5	-51.81	-45	-6.81	0-360	201	V
2	1.6	-46.22	Pk	28.1	-47.9	11.8	.5	-53.72	-45	-8.72	0-360	299	H
5	1.6	-44	Pk	28.1	-47.9	11.8	.5	-51.5	-45	-6.5	0-360	101	V
3	4.7116	-48.21	RMS	33.8	-45.9	11.8	.4	-48.11	-45	-3.11	321	354	H
6	4.71015	-54.66	RMS	33.8	-46	11.8	.3	-54.76	-45	-9.76	316	312	V

Pk - Peak detector
RMS - RMS detection



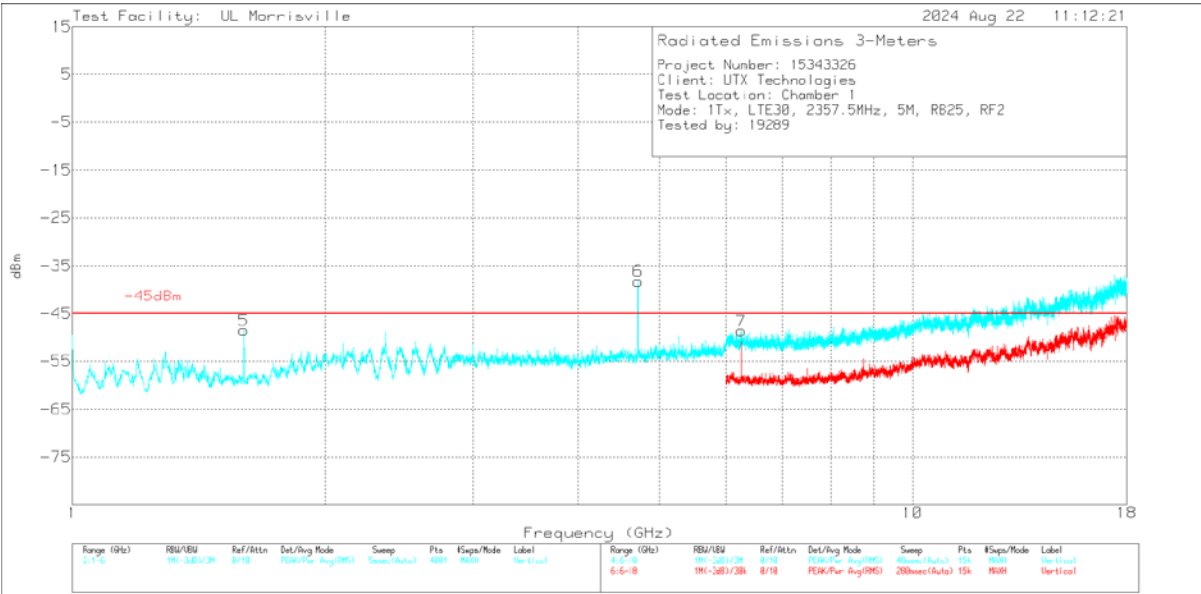
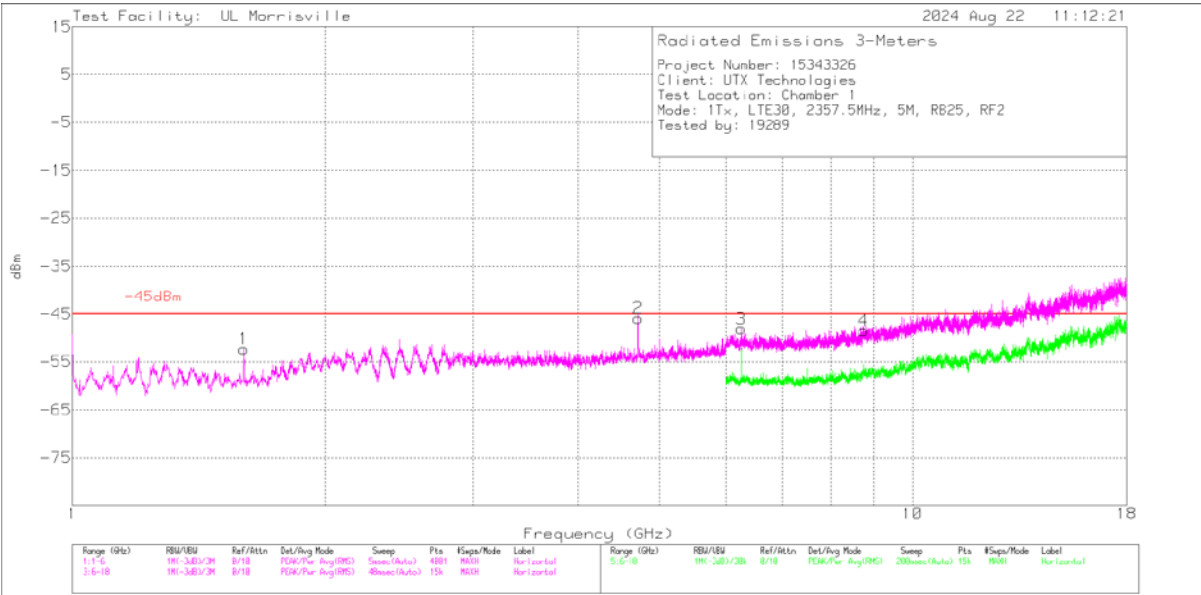
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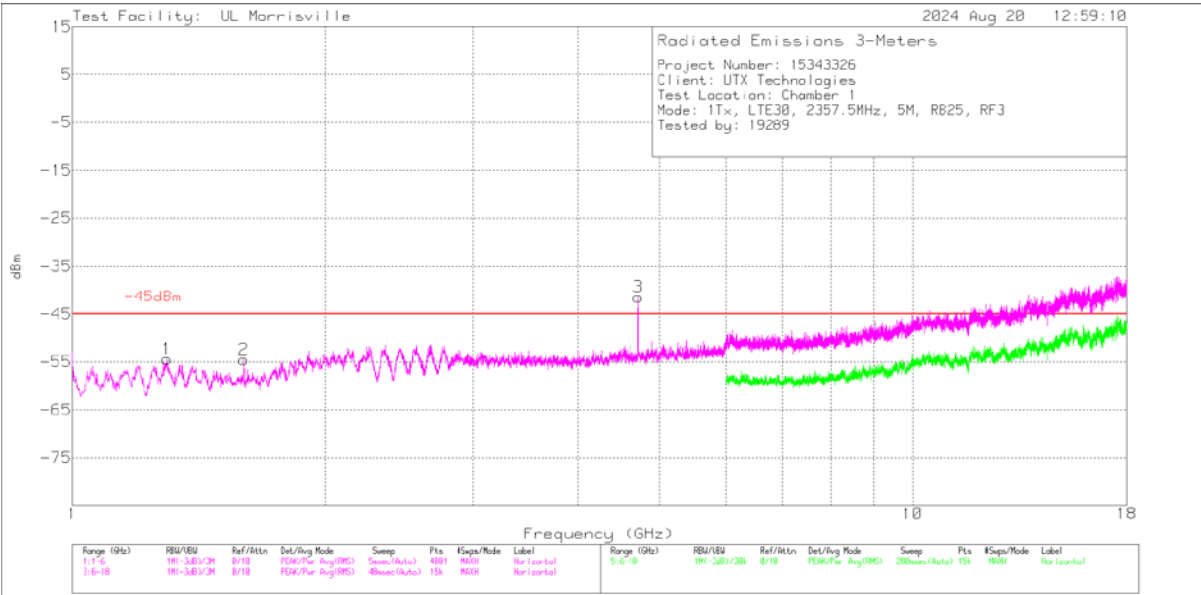
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.285	-46.23	Pk	29.1	-48.5	11.8	.6	-53.23	-45	-8.23	0-360	101	H
4	1.34221	-51.66	RMS	29.1	-48.2	11.8	.4	-58.56	-45	-13.56	172	192	V
2	1.6	-47.36	Pk	28.1	-47.9	11.8	.5	-54.86	-45	-9.86	0-360	299	H
5	1.6	-43.83	Pk	28.1	-47.9	11.8	.5	-51.33	-45	-6.33	0-360	101	V
3	4.71505	-51.45	RMS	33.8	-45.9	11.8	.4	-51.35	-45	-6.35	102	103	H
6	4.71477	-46.47	RMS	33.8	-45.9	11.8	.4	-46.37	-45	-1.37	304	195	V

Pk - Peak detector
RMS - RMS detection

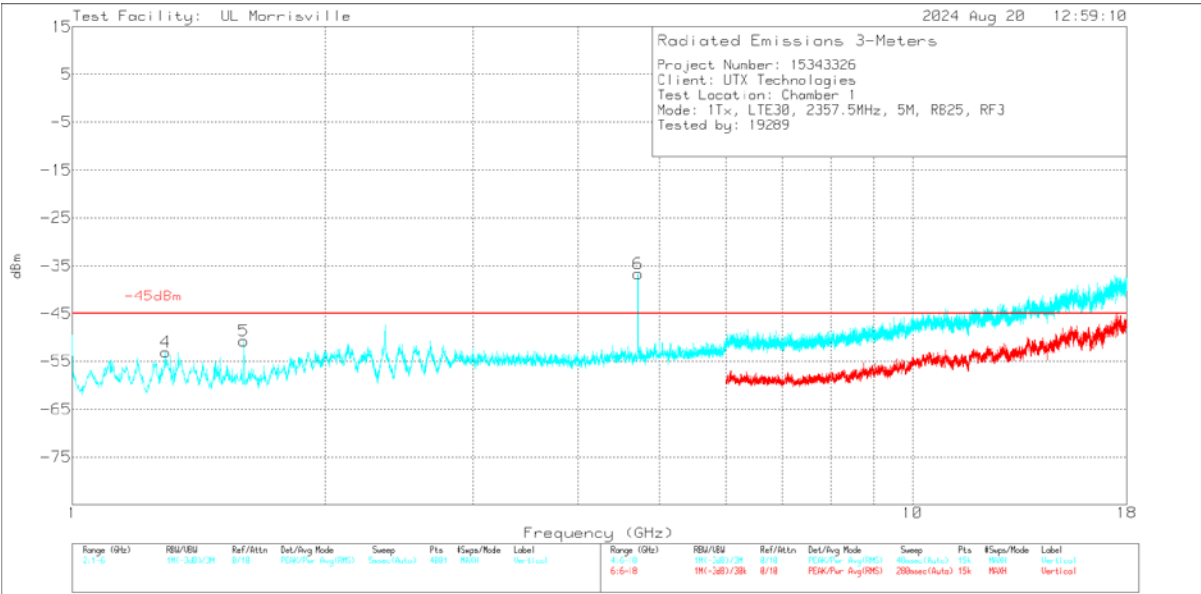


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.6	-44.76	Pk	28.1	-47.9	11.8	.5	-52.26	-45	-7.26	0-360	300	H
5	1.60011	-41.96	RMS	28.1	-47.9	11.8	.5	-49.46	-45	-4.46	173	125	V
2	4.71487	-57.31	RMS	33.8	-45.9	11.8	.4	-57.21	-45	-12.21	102	113	H
6	4.71481	-47.09	RMS	33.8	-45.9	11.8	.4	-46.99	-45	-1.99	331	179	V
3	6.25004	-56.73	RMS	35.5	-42	11.8	0	-51.43	-45	-6.43	90	103	H
7	6.24997	-54.47	RMS	35.5	-42	11.8	0	-49.17	-45	-4.17	160	103	V
4	8.7499	-61.61	RMS	35.7	-40	11.8	0	-54.11	-45	-9.11	34	101	H

Pk - Peak detector
RMS - RMS detection



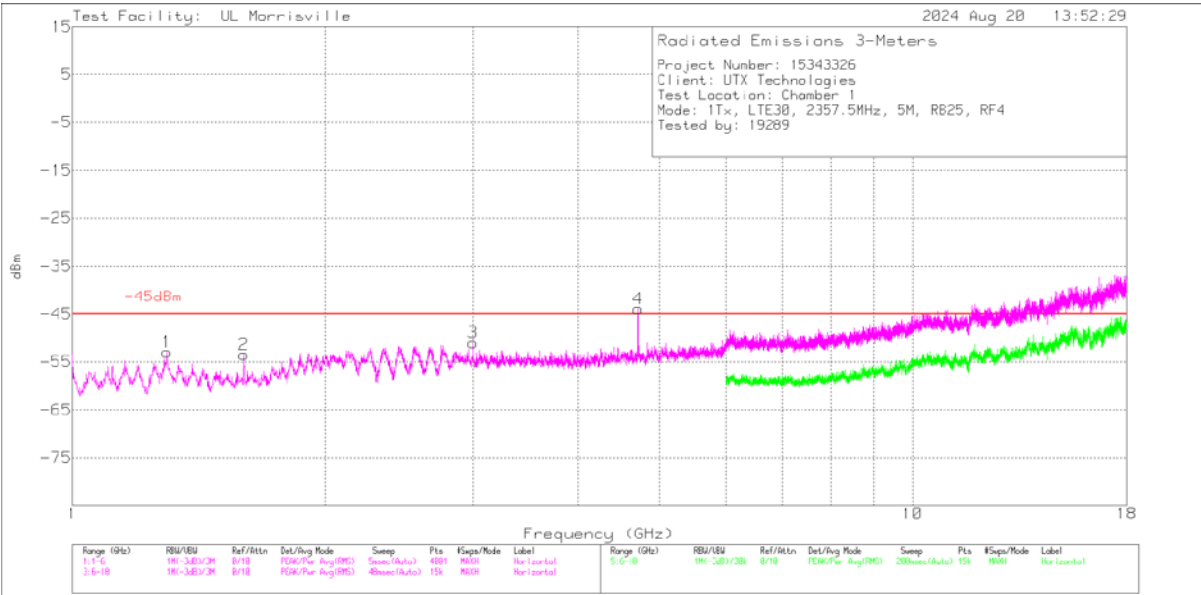
Rev 9.5 18 Oct 2021



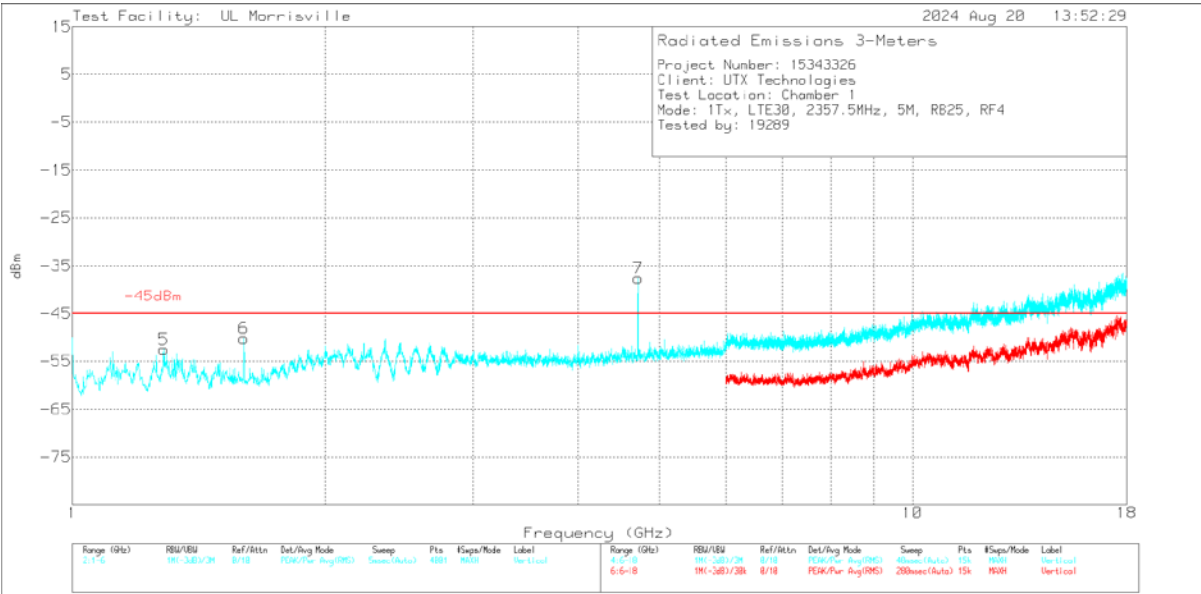
Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.29125	-46.07	Pk	29.1	-48.5	11.8	.6	-53.07	-45	-8.07	0-360	101	V
1	1.29625	-47.36	Pk	29.1	-48.5	11.8	.6	-54.36	-45	-9.36	0-360	299	H
2	1.6	-46.95	Pk	28.1	-47.9	11.8	.5	-54.45	-45	-9.45	0-360	299	H
5	1.60011	-45.28	RMS	28.1	-47.9	11.8	.5	-52.78	-45	-7.78	315	138	V
3	4.71506	-51.36	RMS	33.8	-45.9	11.8	.4	-51.26	-45	-6.26	339	285	H
6	4.71482	-46.52	RMS	33.8	-45.9	11.8	.4	-46.42	-45	-1.42	356	147	V

Pk - Peak detector
RMS - RMS detection



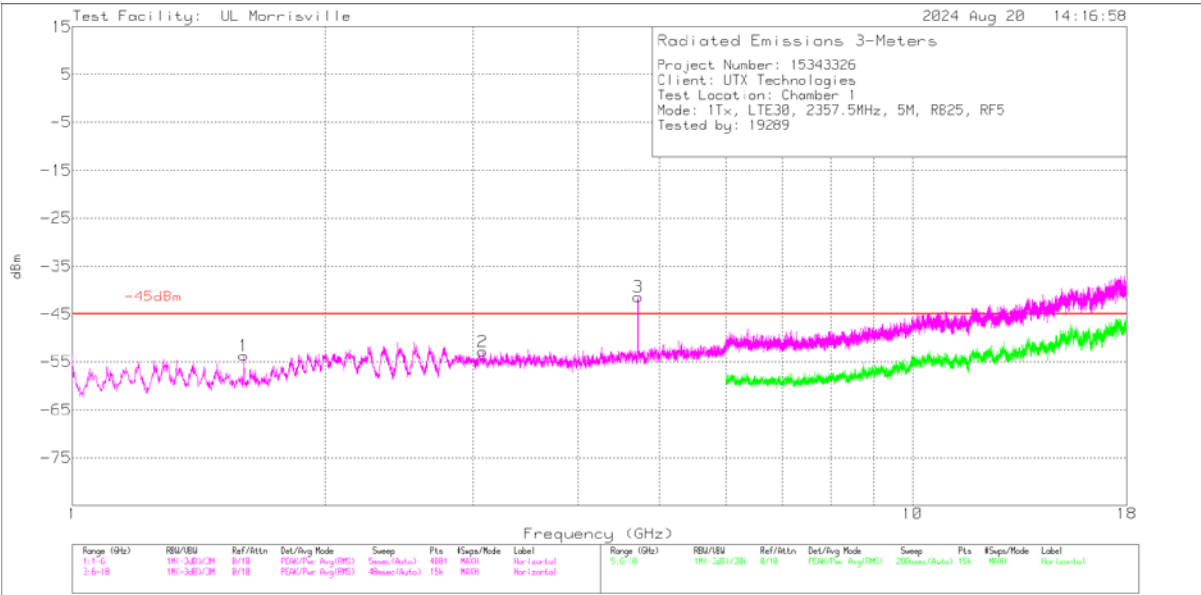
Rev 9.5 18 Oct 2021



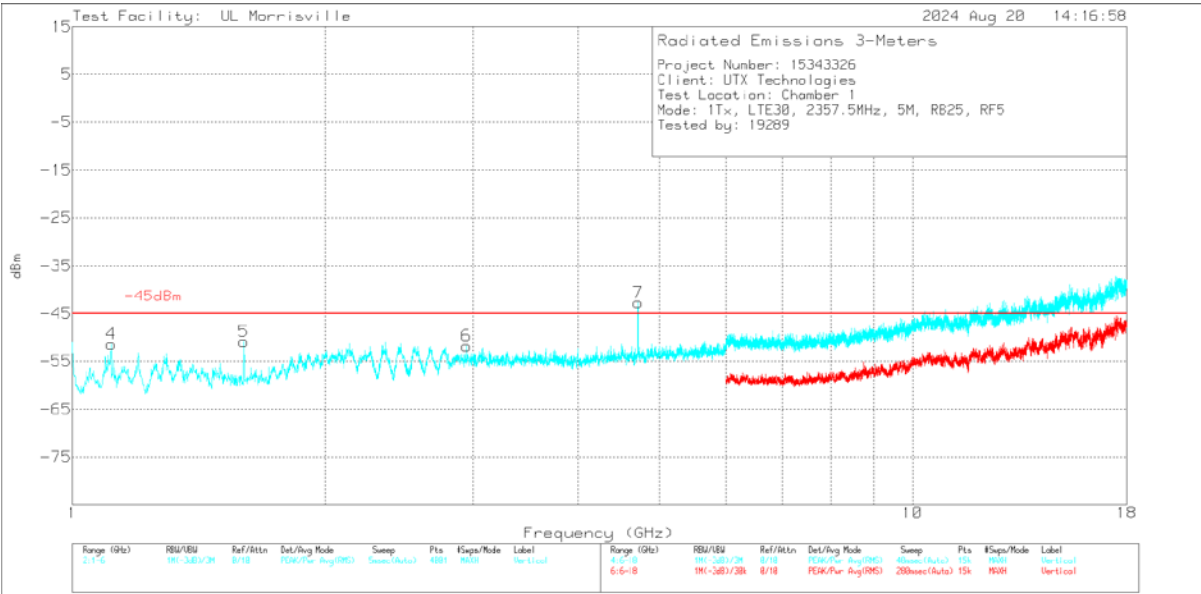
Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	1.28375	-45.48	Pk	29.1	-48.5	11.8	.6	-52.48	-45	-7.48	0-360	101	V
1	1.29625	-45.96	Pk	29.1	-48.5	11.8	.6	-52.96	-45	-7.96	0-360	101	H
2	1.6	-45.99	Pk	28.1	-47.9	11.8	.5	-53.49	-45	-8.49	0-360	300	H
6	1.60004	-41.88	RMS	28.1	-47.9	11.8	.5	-49.38	-45	-4.38	322	264	V
3	2.99993	-59.02	RMS	32.5	-45.9	11.8	.9	-59.72	-45	-14.72	84	397	H
7	4.71477	-48.67	RMS	33.8	-45.9	11.8	.4	-48.57	-45	-3.57	354	172	V
4	4.7147	-52.72	RMS	33.8	-45.9	11.8	.4	-52.62	-45	-7.62	12	237	H

Pk - Peak detector
RMS - RMS detection



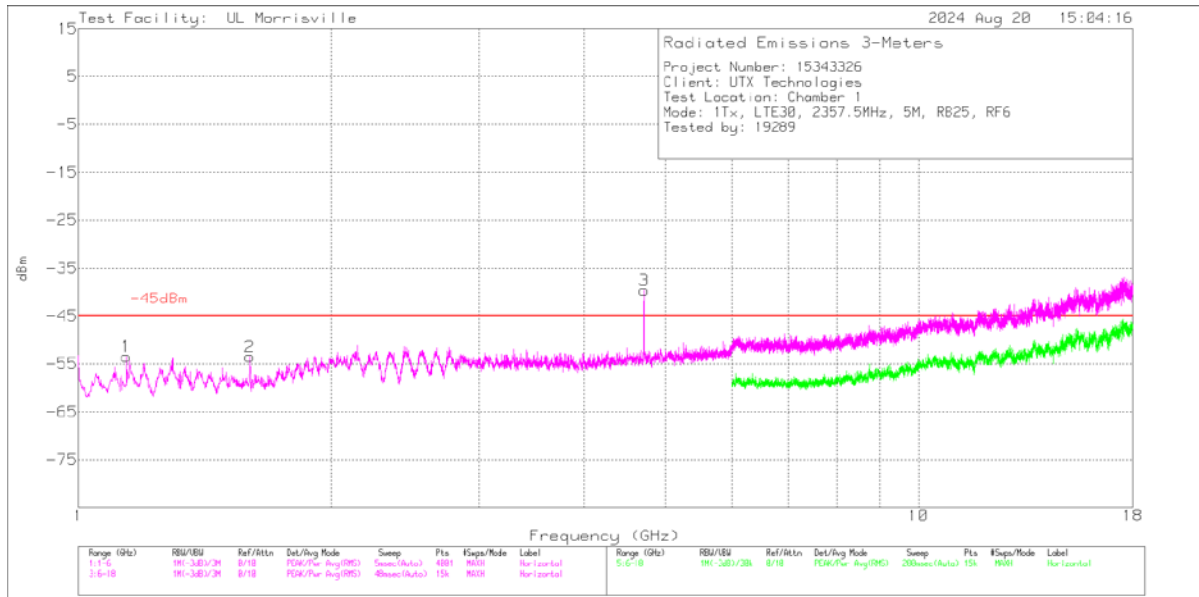
Rev 9.5 18 Oct 2021



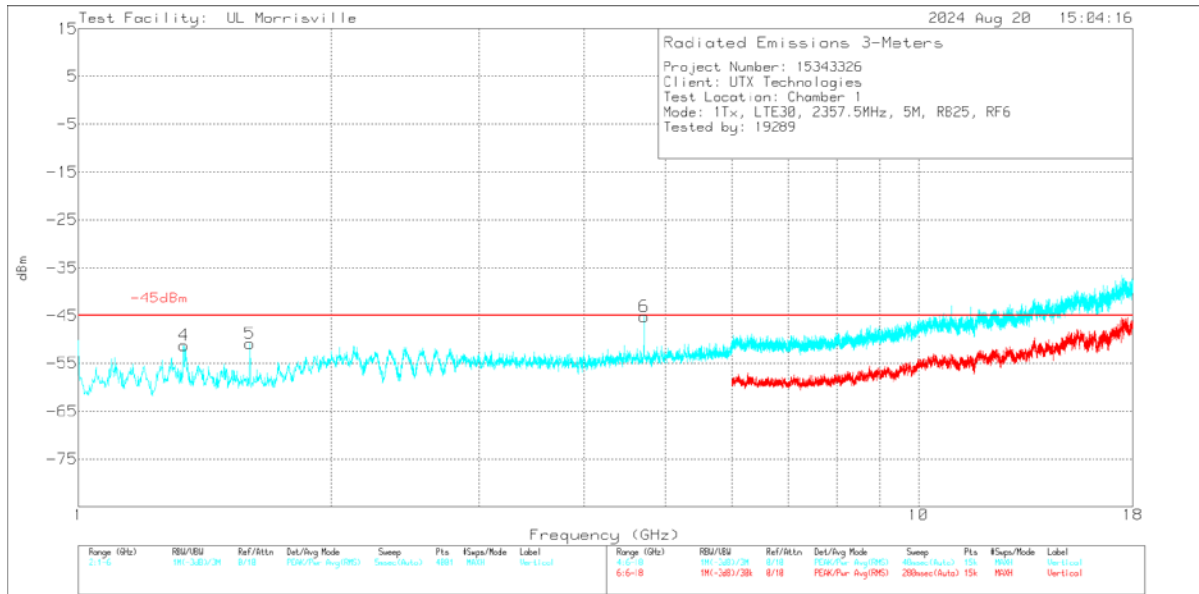
Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.11125	-42.83	Pk	27.9	-48.7	11.8	.5	-51.33	-45	-6.33	0-360	200	V
1	1.6	-46.16	Pk	28.1	-47.9	11.8	.5	-53.66	-45	-8.66	0-360	300	H
5	1.60004	-41.78	RMS	28.1	-47.9	11.8	.5	-49.28	-45	-4.28	322	262	V
6	2.95	-50.87	Pk	32.4	-46.1	11.8	1	-51.77	-45	-6.77	0-360	200	V
2	3.07875	-52.36	Pk	32.6	-45.7	11.8	.8	-52.86	-45	-7.86	0-360	200	H
3	4.71483	-47.39	RMS	33.8	-45.9	11.8	.4	-47.29	-45	-2.29	322	315	H
7	4.71472	-52.44	RMS	33.8	-45.9	11.8	.4	-52.34	-45	-7.34	303	254	V

Pk - Peak detector
RMS - RMS detection



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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-45dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.14125	-45.4	Pk	28.2	-48.7	11.8	.6	-53.5	-45	-8.5	0-360	300	H
4	1.335	-44.33	Pk	29.1	-48.3	11.8	.5	-51.23	-45	-6.23	0-360	200	V
2	1.6	-46.02	Pk	28.1	-47.9	11.8	.5	-53.52	-45	-8.52	0-360	300	H
5	1.6	-41.81	RMS	28.1	-47.9	11.8	.5	-49.31	-45	-4.31	328	262	V
3	4.7166	-50.6	RMS	33.8	-45.8	11.8	.4	-50.4	-45	-5.4	321	356	H
6	4.71671	-55.14	RMS	33.8	-45.8	11.8	.4	-54.94	-45	-9.94	306	292	V

Pk - Peak detector
RMS - RMS detection

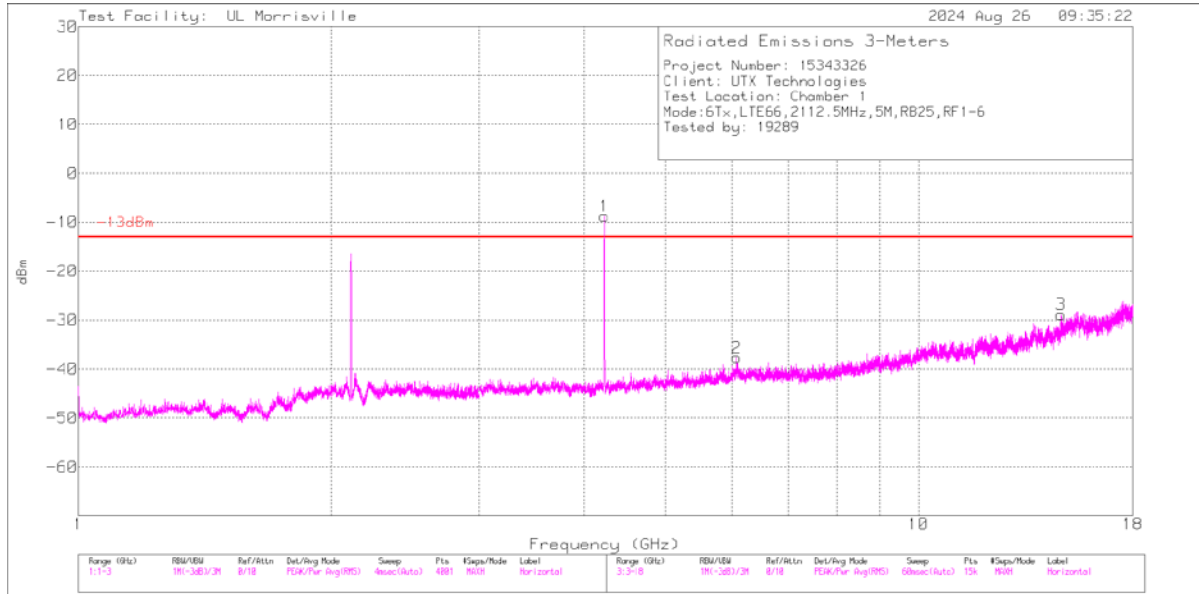
10.1.7. LTE BAND 66

LIMITS

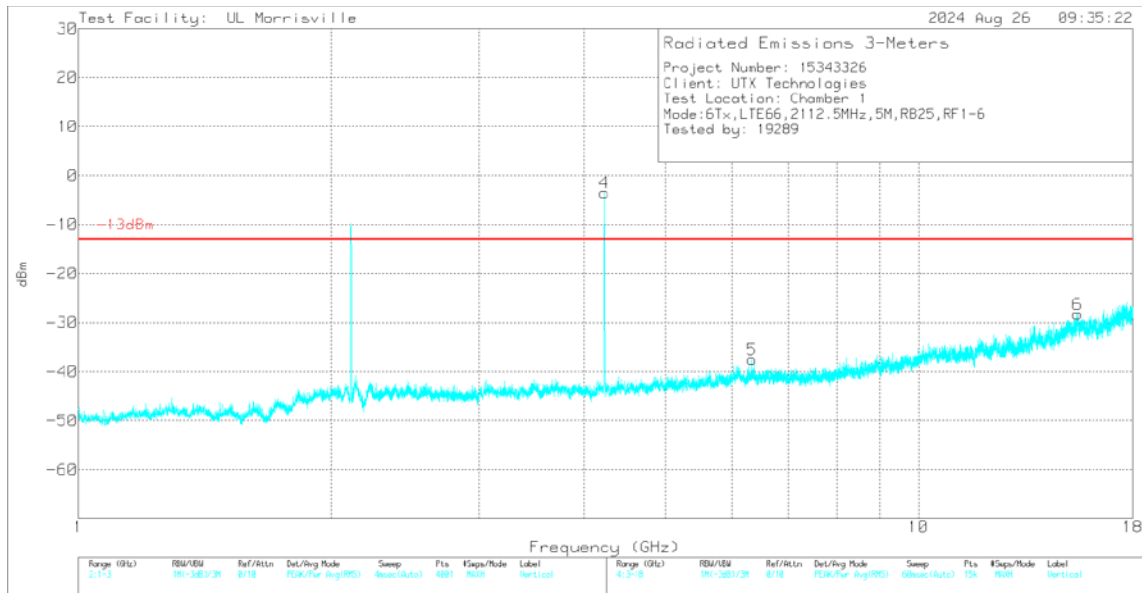
FCC: §27.53 (h)

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.

OPSK LTE BAND 66 (5MHz BANDWIDTH)



Rev 9.5 18 Oct 2021

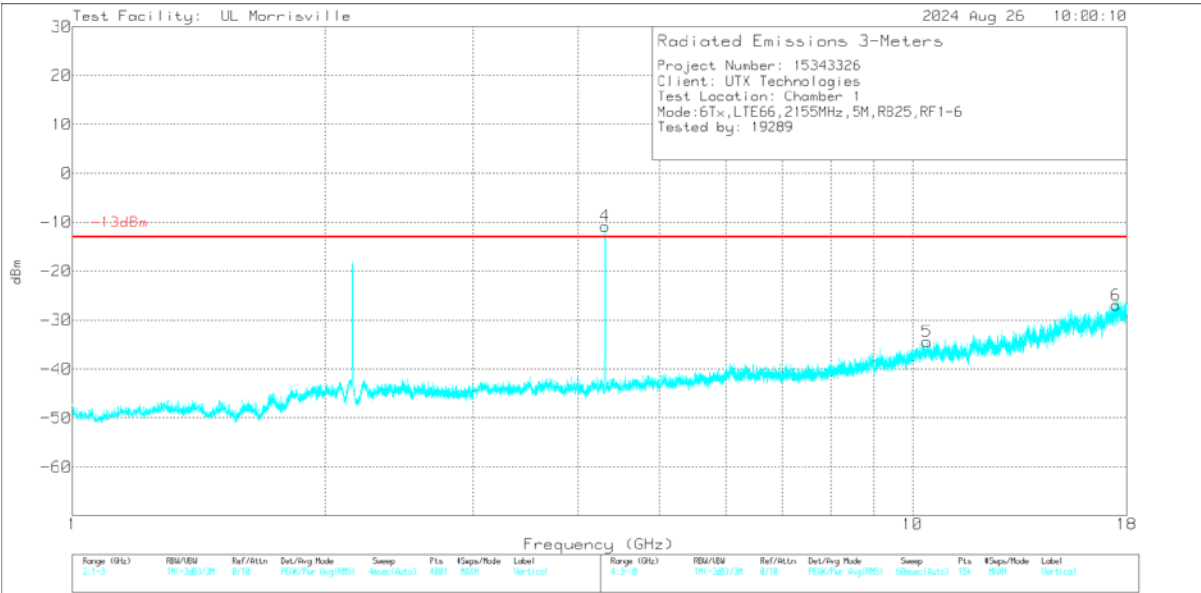
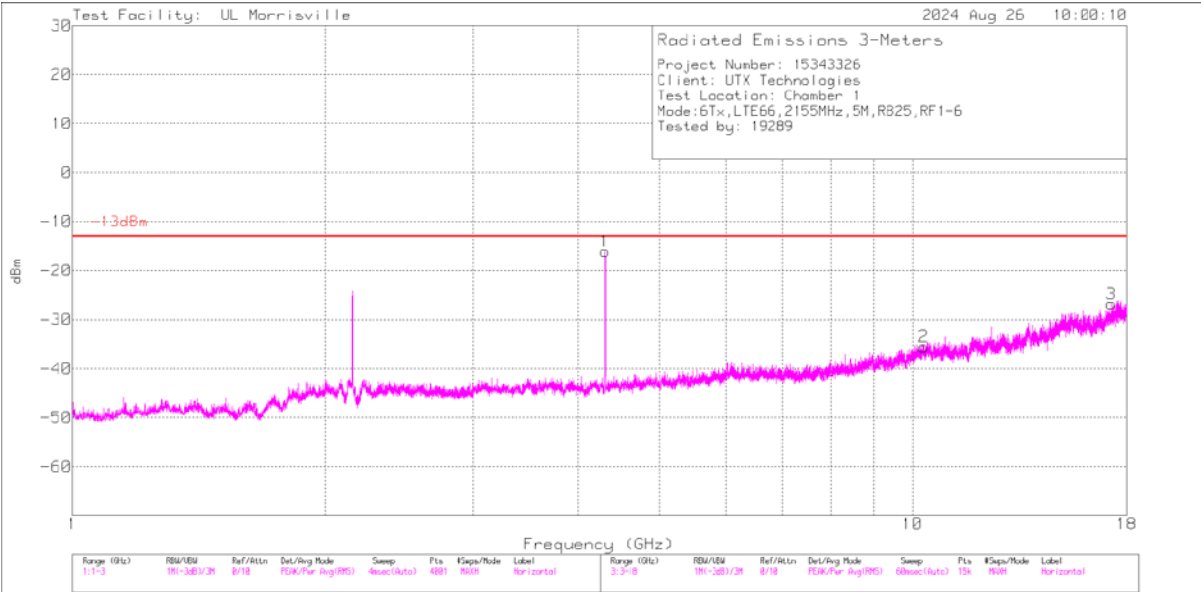


Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Pad (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.22504	-24.2	RMS	33.6	-45.6	11.8	.2	10	-14.2	-13	-1.2	325	156	V
1	4.22488	-33.19	RMS	33.6	-45.6	11.8	.2	10	-23.19	-13	-10.19	328	256	H
2	6.077	-53.6	Pk	35.2	-41.4	11.8	.3	10	-37.7	-13	-24.7	0-360	101	H
5	6.337	-53.07	Pk	35.6	-42.2	11.8	.3	10	-37.57	-13	-24.57	0-360	101	V
3	14.763	-54.94	Pk	39.6	-36.8	11.8	1.3	10.2	-28.84	-13	-15.84	0-360	201	H
6	15.477	-57.29	Pk	40.7	-34.8	11.8	1	10.3	-28.29	-13	-15.29	0-360	300	V

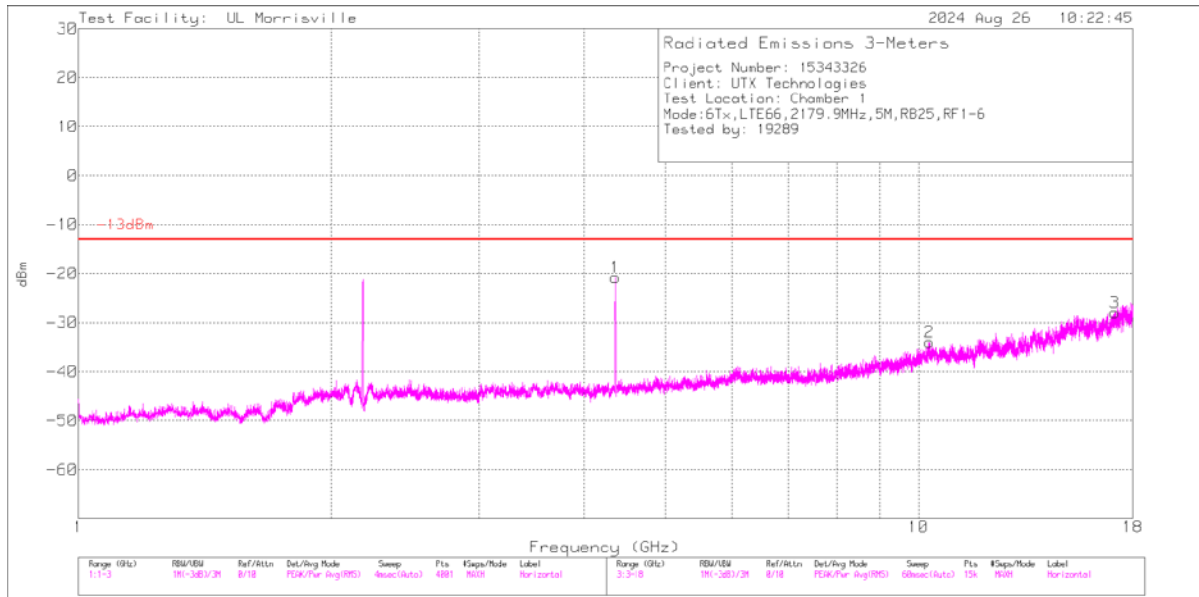
PK - Peak detector

RMS - RMS detection

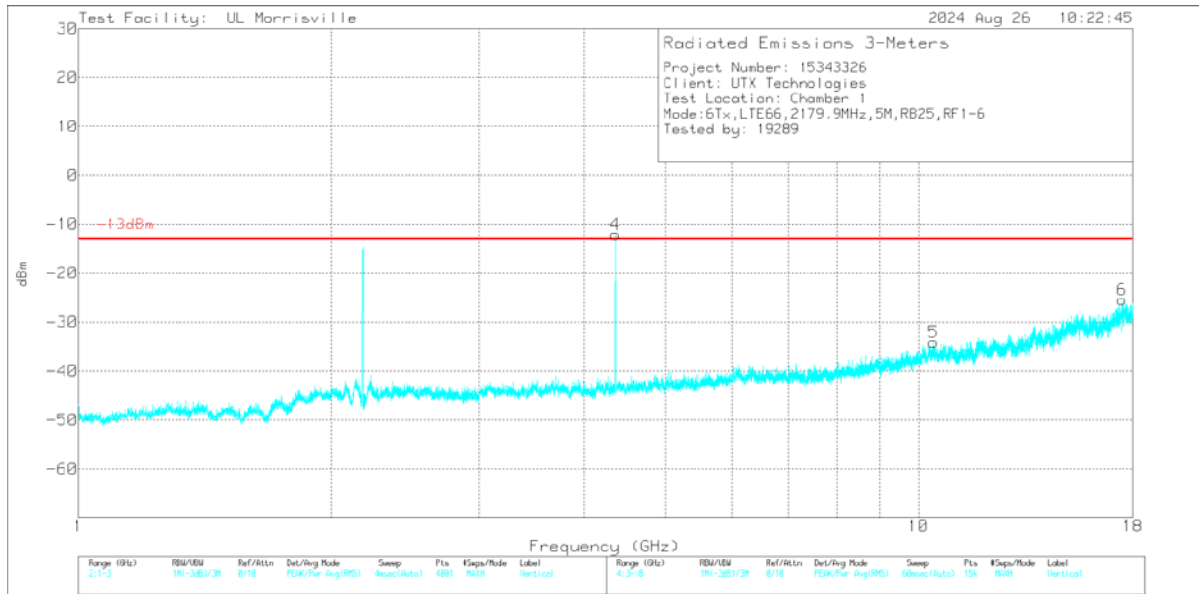


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Pad (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.30998	-28.65	RMS	33.7	-45.4	11.8	.4	10	-18.15	-13	-5.15	313	188	V
1	4.30974	-35.71	RMS	33.7	-45.4	11.8	.4	10	-25.21	-13	-12.21	332	265	H
2	10.326	-56.39	Pk	38	-39.4	11.8	.4	10.1	-35.49	-13	-22.49	0-360	101	H
5	10.402	-55.22	Pk	38	-39.4	11.8	.3	10.1	-34.42	-13	-21.42	0-360	299	V
3	17.236	-57.29	Pk	41.2	-33.5	11.8	.7	10.3	-26.79	-13	-13.79	0-360	300	H
6	17.467	-57.73	Pk	41.2	-33.2	11.8	.7	10.3	-26.93	-13	-13.93	0-360	299	V

Pk - Peak detector
RMS - RMS detection



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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Pad (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.358	-30.62	Pk	33.8	-46	11.8	.2	10	-20.82	-13	-7.82	0-360	300	H
4	4.3598	-30.07	RMS	33.8	-46	11.8	.2	10	-20.27	-13	-7.27	344	160	V
2	10.311	-54.78	Pk	38	-39.5	11.8	.3	10.2	-33.98	-13	-20.98	0-360	200	H
5	10.426	-55.43	Pk	38	-38.9	11.8	.3	10.1	-34.13	-13	-21.13	0-360	101	V
3	17.126	-56.42	Pk	41.2	-35.4	11.8	.7	10.2	-27.92	-13	-14.92	0-360	300	H
6	17.485	-55.88	Pk	41.2	-33.5	11.8	.7	10.3	-25.38	-13	-12.38	0-360	101	V

Pk - Peak detector

RMS - RMS detection

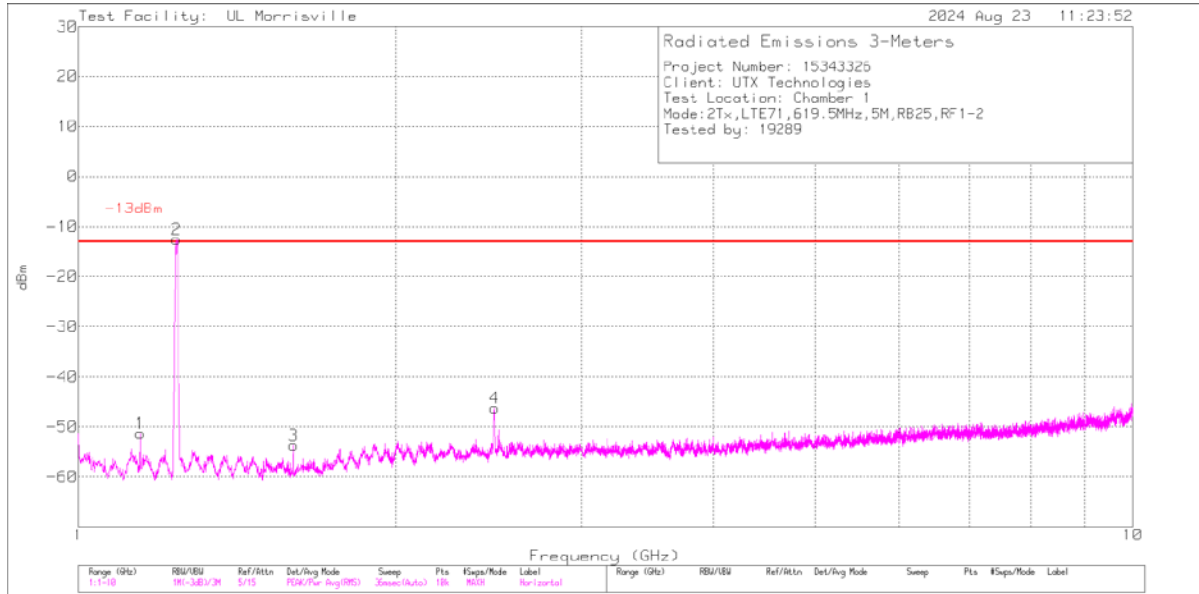
10.1.8. LTE BAND 71 AND 5G NR n71

LIMITS

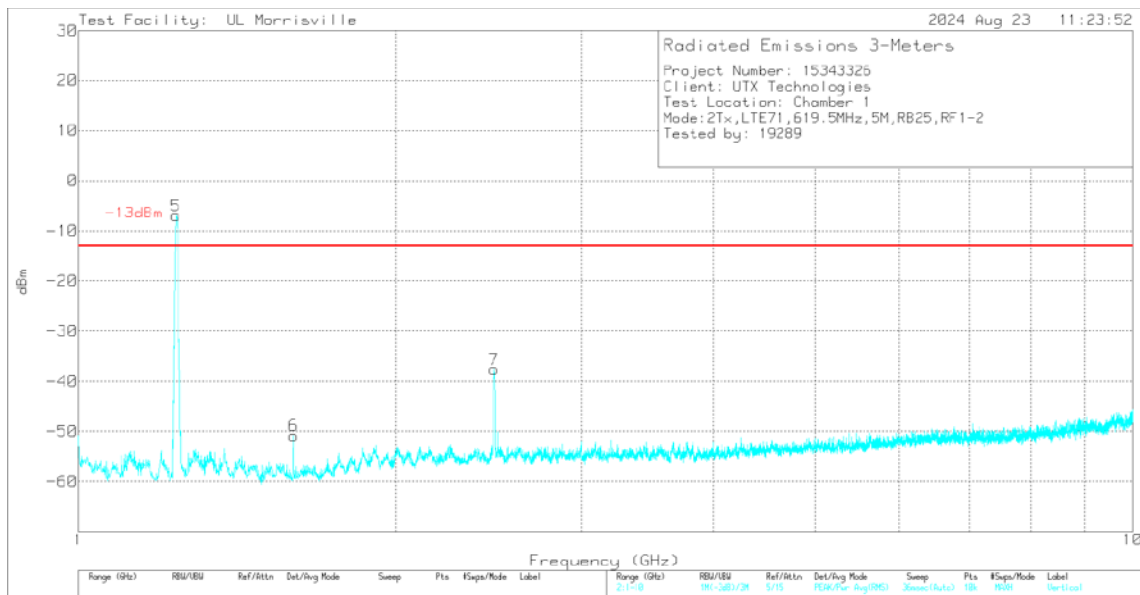
FCC: §27.53 (g)

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.

OPSK LTE BAND 71 (5MHz BANDWIDTH)



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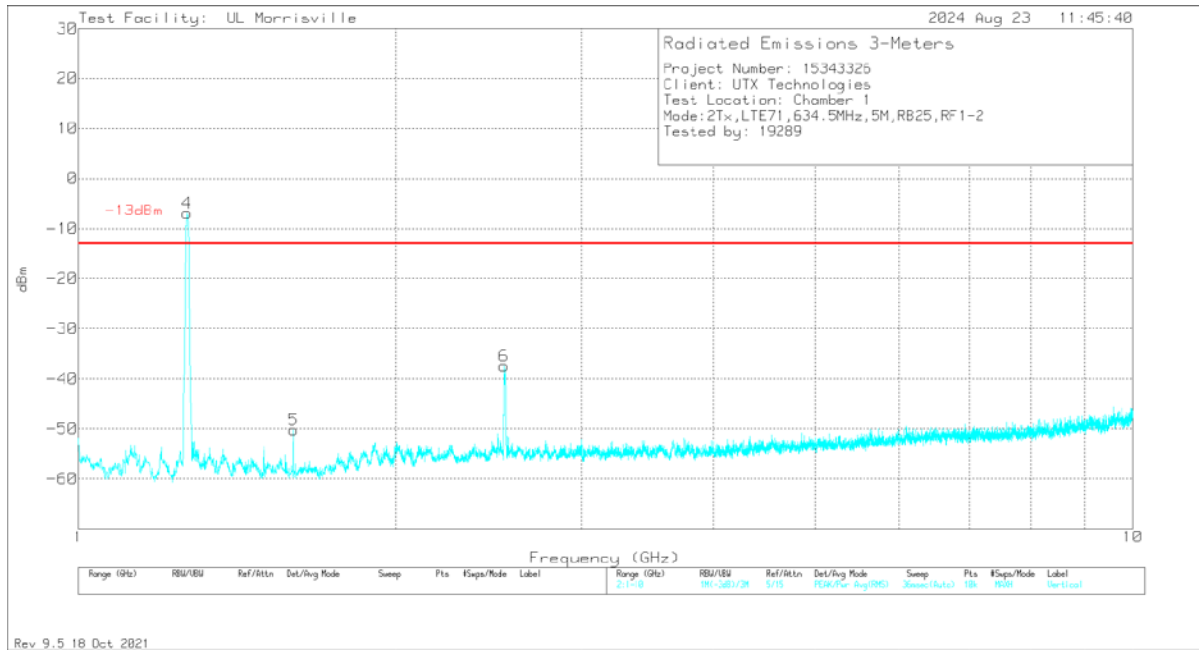
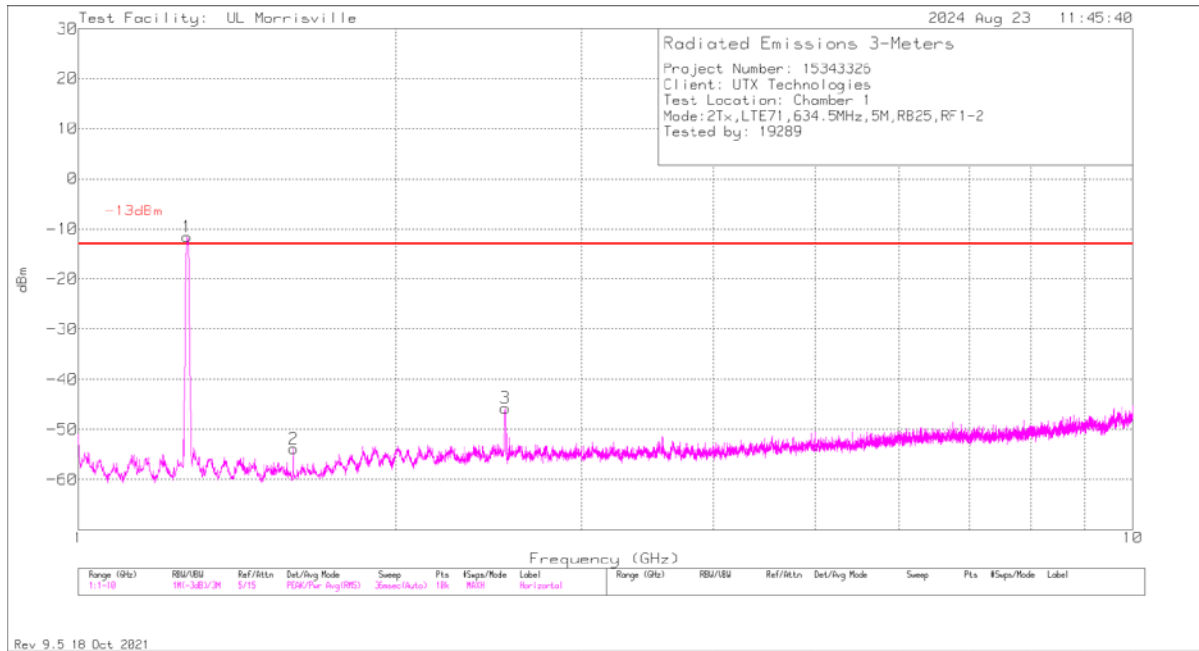


Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.144	-43.7	Pk	28.2	-48.7	1.1	11.8	-51.3	-13	-38.3	0-360	101	H
5	1.24047	-6.87	RMS	29	-48.8	.7	11.8	-14.17	-13	-1.17	52	230	V
2	1.24009	-12.4	RMS	29	-48.7	.7	11.8	-19.6	-13	-6.6	277	369	H
3	1.5994	-46.34	Pk	28.1	-47.9	.6	11.8	-53.74	-13	-40.74	0-360	300	H
6	1.5994	-43.47	Pk	28.1	-47.9	.6	11.8	-50.87	-13	-37.87	0-360	101	V
7	2.4787	-34.35	Pk	32.2	-47.7	.4	11.8	-37.65	-13	-24.65	0-360	201	V
4	2.4814	-43.08	Pk	32.2	-47.6	.4	11.8	-46.28	-13	-33.28	0-360	300	H

Pk - Peak detector

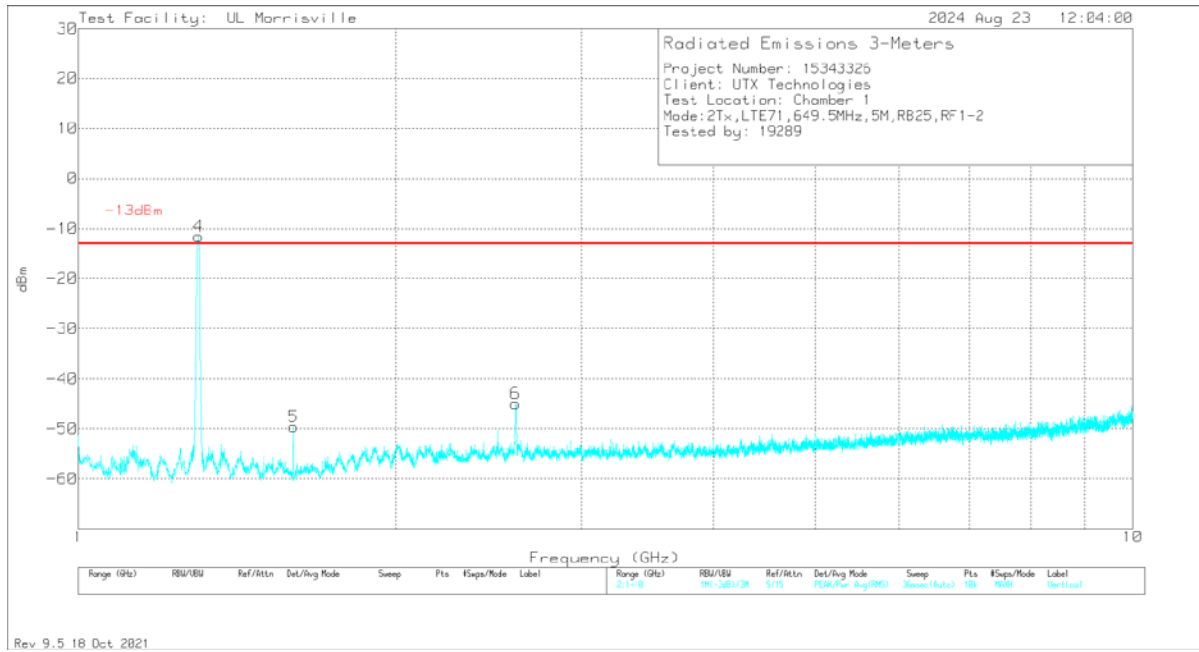
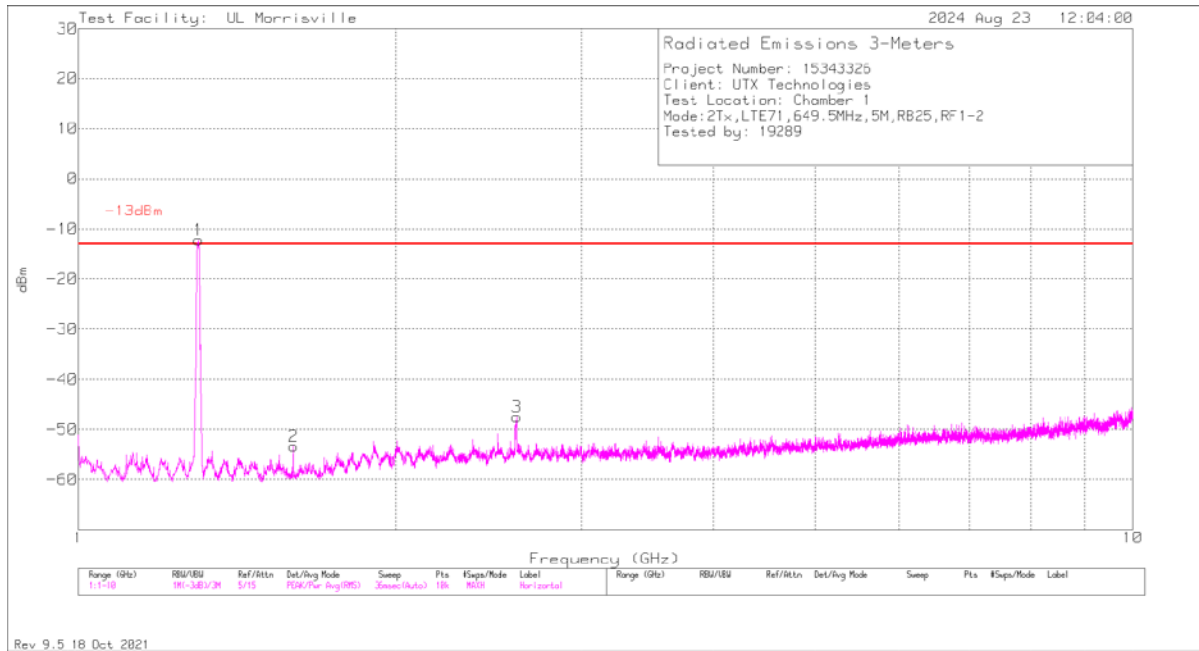
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.26919	-13.31	RMS	29.1	-48.4	.7	11.8	-20.11	-13	-7.11	271	126	H
4	1.26919	-7.77	RMS	29.1	-48.4	.7	11.8	-14.57	-13	-1.57	68	219	V
2	1.5994	-46.49	Pk	28.1	-47.9	.6	11.8	-53.89	-13	-40.89	0-360	300	H
5	1.5994	-42.78	Pk	28.1	-47.9	.6	11.8	-50.18	-13	-37.18	0-360	101	V
6	2.5336	-33.94	Pk	32.3	-48.1	.5	11.8	-37.44	-13	-24.44	0-360	200	V
3	2.5399	-42.3	Pk	32.3	-48	.5	11.8	-45.7	-13	-32.7	0-360	200	H

Pk - Peak detector

RMS - RMS detection

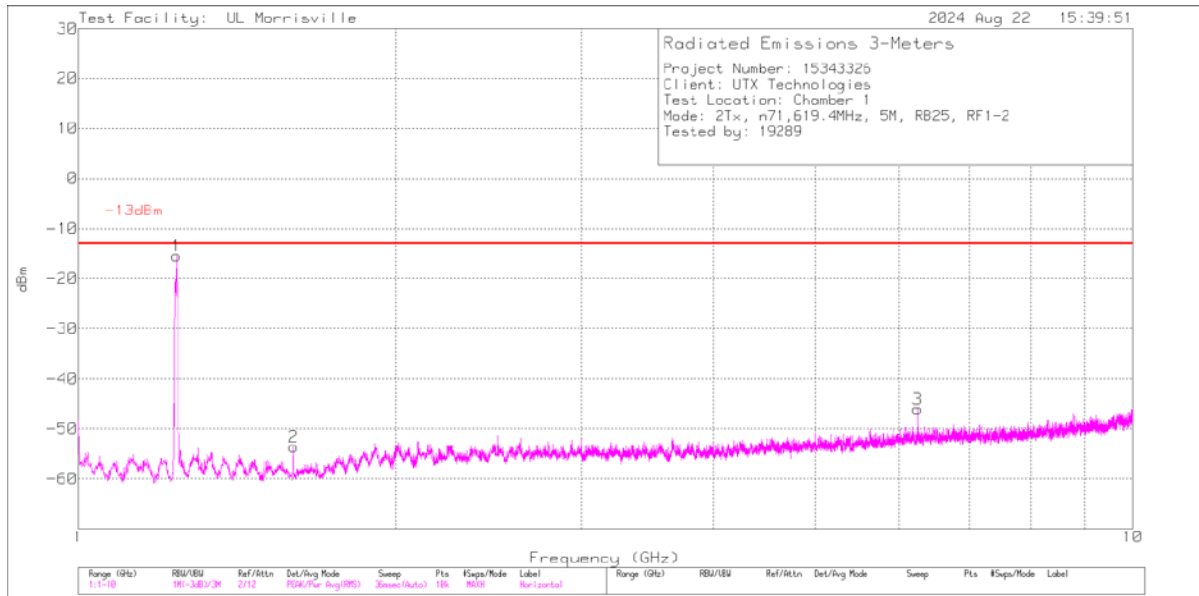


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.29898	-12.6	RMS	29.1	-48.5	.6	11.8	-19.6	-13	-6.6	46	251	V
1	1.2991	-13.44	RMS	29.1	-48.5	.6	11.8	-20.44	-13	-7.44	13	344	H
2	1.5994	-45.91	Pk	28.1	-47.9	.6	11.8	-53.31	-13	-40.31	0-360	300	H
5	1.5994	-42.21	Pk	28.1	-47.9	.6	11.8	-49.61	-13	-36.61	0-360	101	V
6	2.5957	-41.93	Pk	32.5	-47.7	.4	11.8	-44.93	-13	-31.93	0-360	201	V
3	2.602	-44.47	Pk	32.5	-47.7	.4	11.8	-47.47	-13	-34.47	0-360	200	H

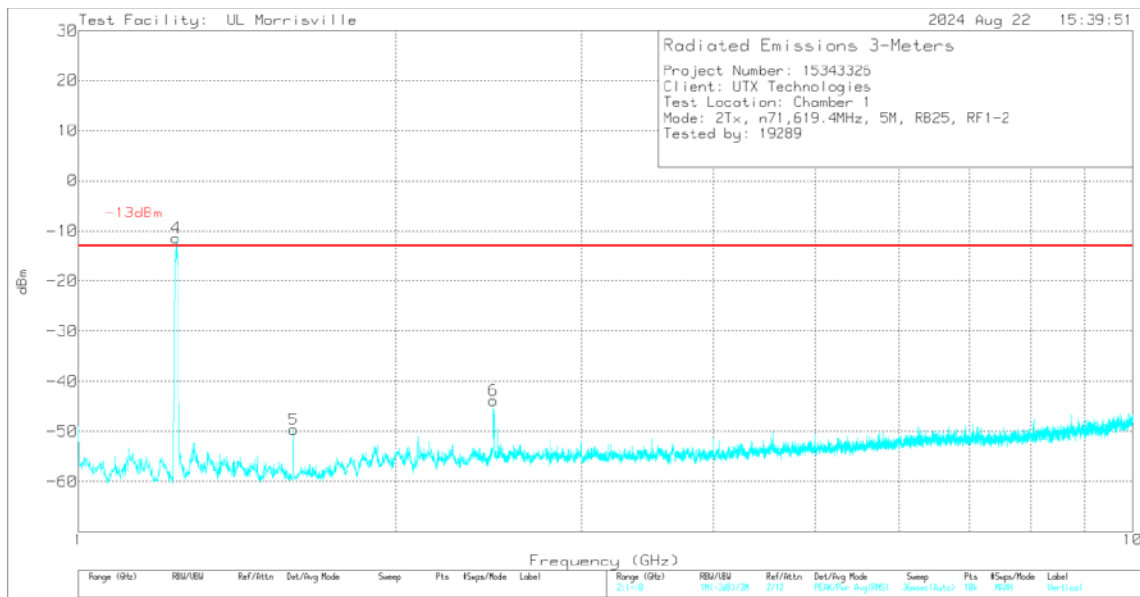
Pk - Peak detector

RMS - RMS detection

QPSK 5G NR n71 (5MHz BANDWIDTH)



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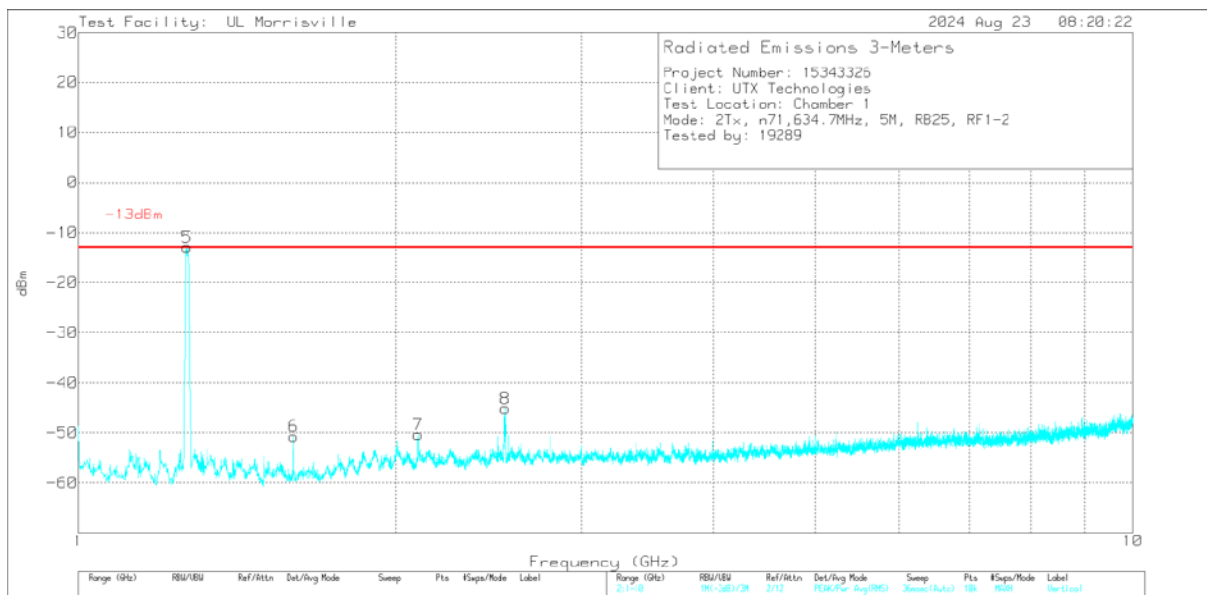
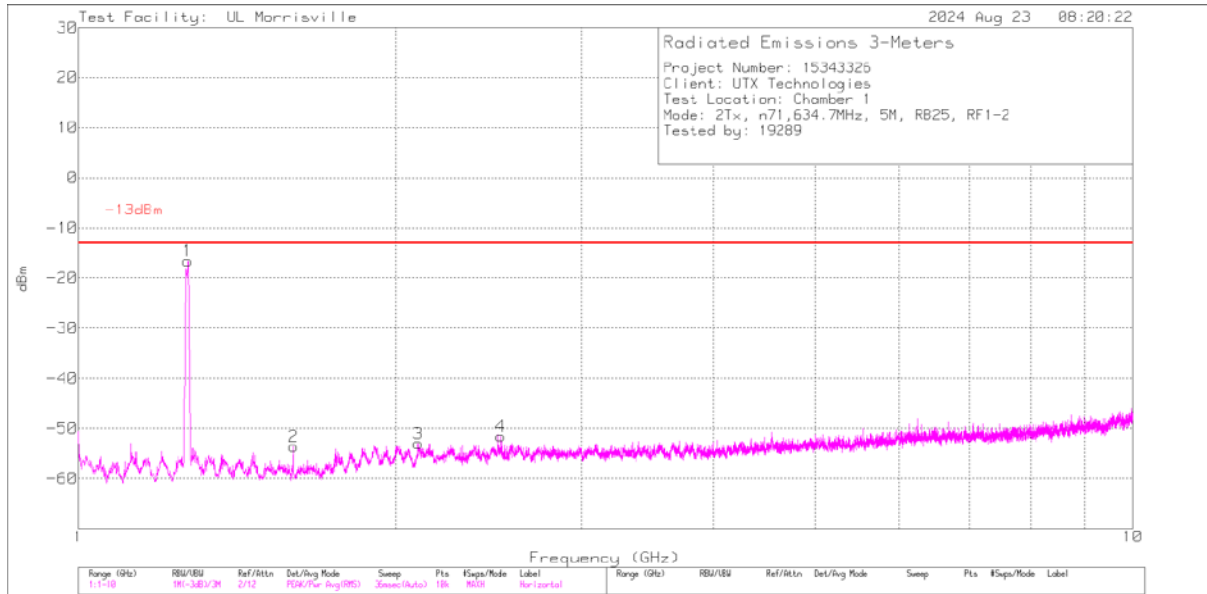


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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.23498	-14.59	RMS	29	-48.7	.7	11.8	-21.79	-13	-8.79	26	233	V
1	1.23852	-19.7	RMS	29	-48.7	.7	11.8	-26.9	-13	-13.9	259	370	H
5	1.5994	-42.26	Pk	28.1	-47.9	.6	11.8	-49.66	-13	-36.66	0-360	101	V
2	1.6003	-46.17	Pk	28.1	-47.9	.6	11.8	-53.57	-13	-40.57	0-360	300	H
6	2.4751	-40.46	Pk	32.2	-47.8	.4	11.8	-43.86	-13	-30.86	0-360	200	V
3	6.2497	-50.64	Pk	35.5	-43	.3	11.8	-46.04	-13	-33.04	0-360	101	H

Pk - Peak detector

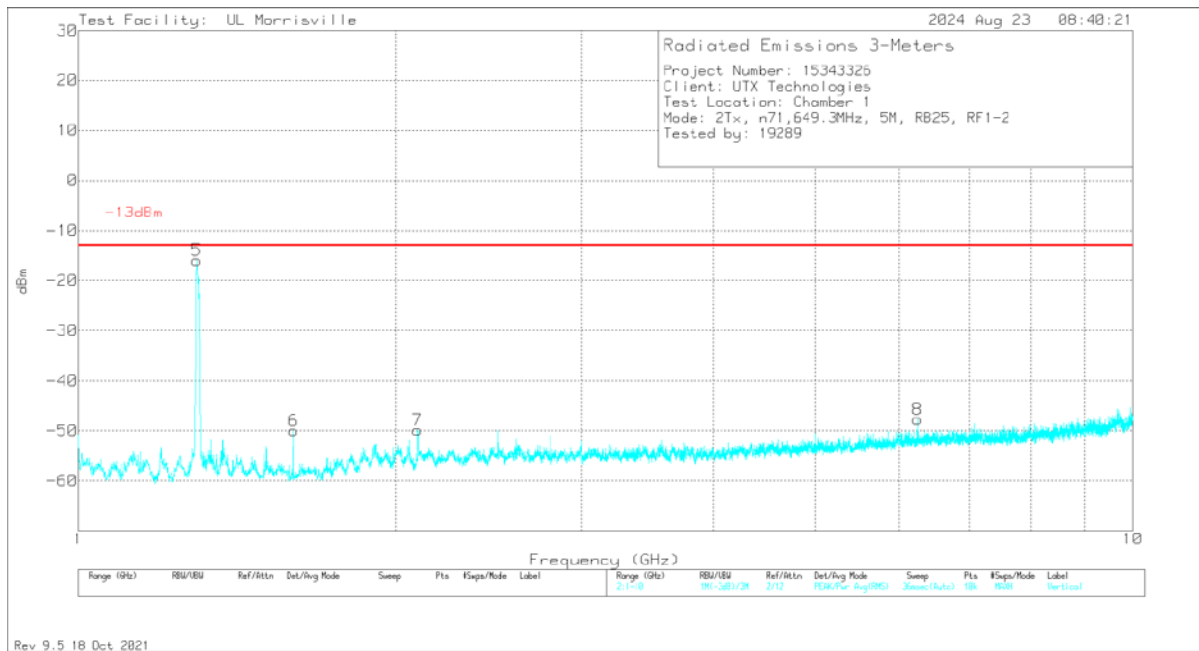
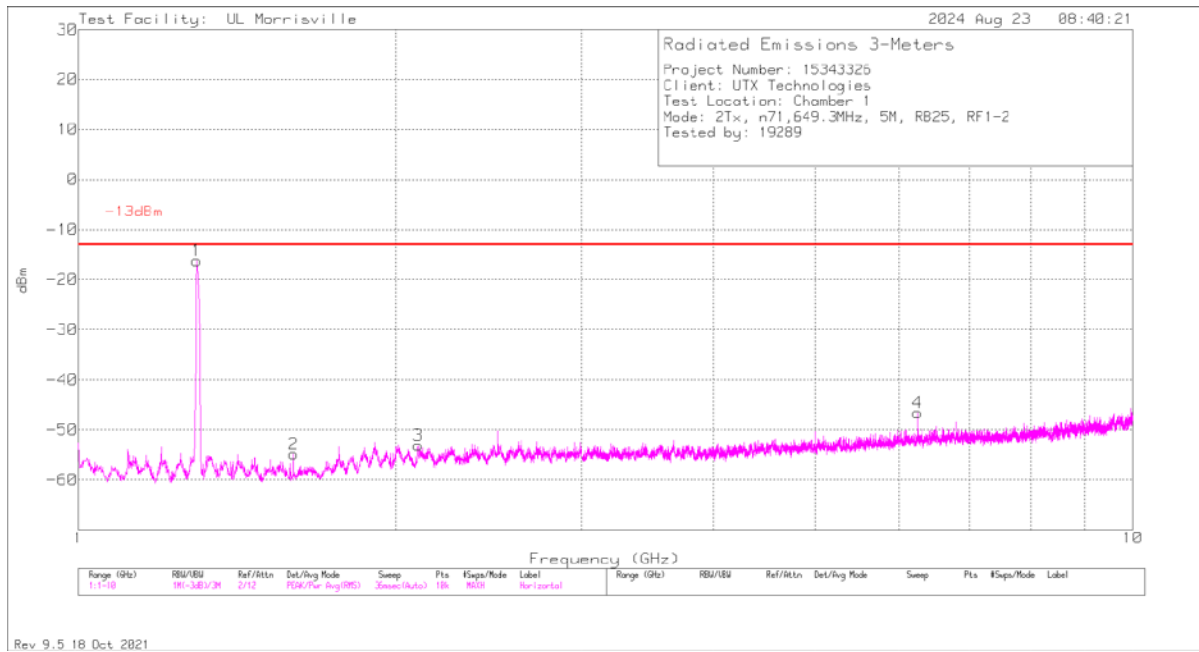
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	1.2656	-12.9	RMS	29.1	-48.4	.7	11.8	-19.7	-13	-6.7	51	258	V
1	1.26561	-18.68	RMS	29.1	-48.4	.7	11.8	-25.48	-13	-12.48	18	223	H
2	1.5994	-46.22	Pk	28.1	-47.9	.6	11.8	-53.62	-13	-40.62	0-360	299	H
6	1.5994	-43.37	Pk	28.1	-47.9	.6	11.8	-50.77	-13	-37.77	0-360	101	V
7	2.0998	-46.14	Pk	31.7	-48.1	.4	11.8	-50.34	-13	-37.34	0-360	101	V
3	2.1007	-48.84	Pk	31.7	-48.1	.4	11.8	-53.04	-13	-40.04	0-360	299	H
4	2.5165	-48.35	Pk	32.3	-47.8	.5	11.8	-51.55	-13	-38.55	0-360	299	H
8	2.539	-41.76	Pk	32.3	-48	.5	11.8	-45.16	-13	-32.16	0-360	200	V

Pk - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.26561	-18.68	RMS	29.1	-48.4	.7	11.8	-25.48	-13	-12.48	18	223	H
5	1.2656	-12.9	RMS	29.1	-48.4	.7	11.8	-19.7	-13	-6.7	51	258	V
2	1.5994	-47.47	Pk	28.1	-47.9	.6	11.8	-54.87	-13	-41.87	0-360	300	H
6	1.5994	-42.58	Pk	28.1	-47.9	.6	11.8	-49.98	-13	-36.98	0-360	101	V
7	2.0989	-45.63	Pk	31.7	-48.1	.4	11.8	-49.83	-13	-36.83	0-360	101	V
3	2.0998	-48.87	Pk	31.7	-48.1	.4	11.8	-53.07	-13	-40.07	0-360	300	H
4	6.2497	-51.19	Pk	35.5	-43	.3	11.8	-46.59	-13	-33.59	0-360	101	H
8	6.2497	-52.28	Pk	35.5	-43	.3	11.8	-47.68	-13	-34.68	0-360	101	V

Pk - Peak detector, RMS - RMS detection

10.1.9. 5G NR n77 (FCC Part 27 3450-3550MHz)

LIMITS

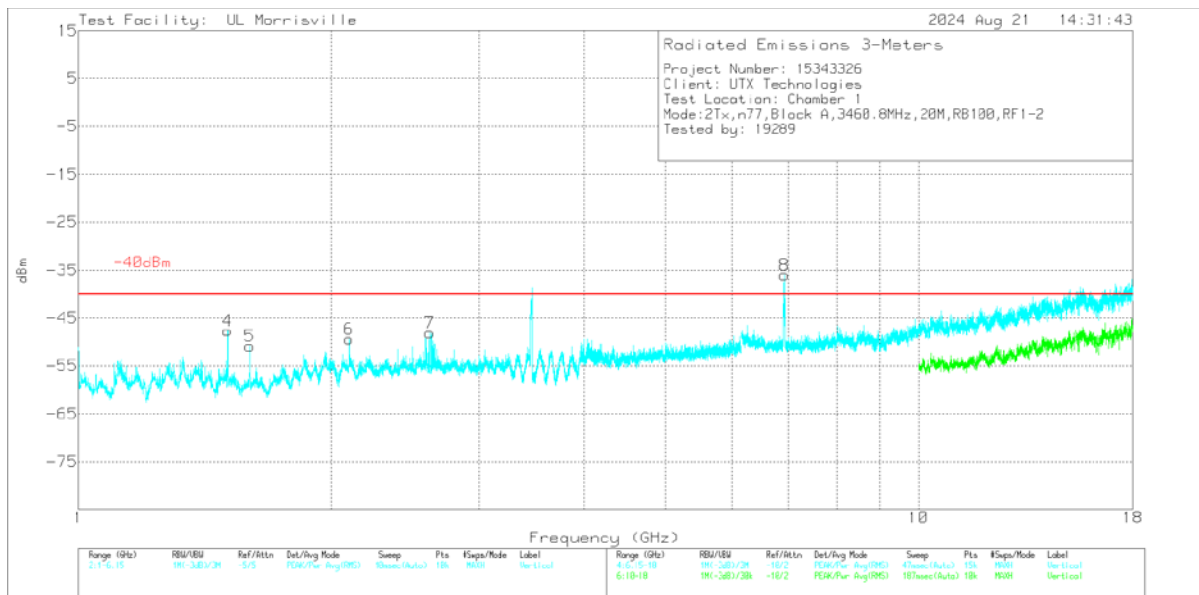
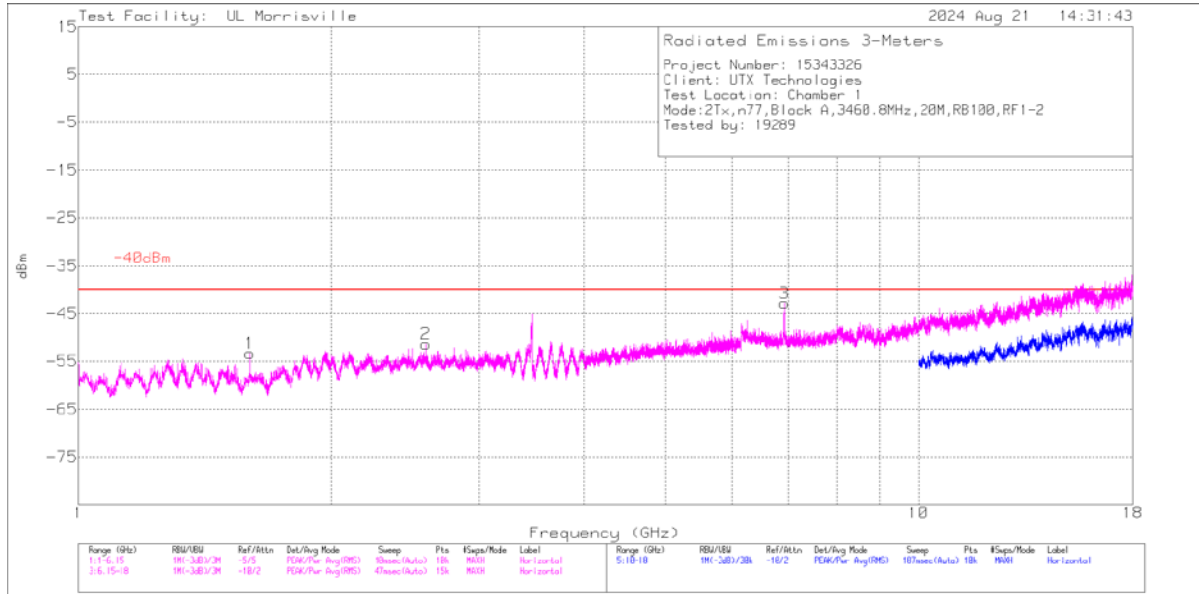
FCC: §27.53

(n) 3.45 GHz Service. The following emission limits apply to stations transmitting in the 3450-3550 MHz band:

(1) For base station operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with the provisions of this [paragraph \(n\)\(1\)](#) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Notwithstanding the channel edge requirement of -13 dBm per megahertz, for base station operations in the 3450-3550 MHz band, the conducted power of any emission below 3440 MHz or above 3560 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3430 MHz or above 3570 MHz shall not exceed -40 dBm/MHz.

Note: Due to proximity of the emission limit to the noise floor, A Reduced Video Bandwidth range was run at >10GHz to confirm no emissions were visible.

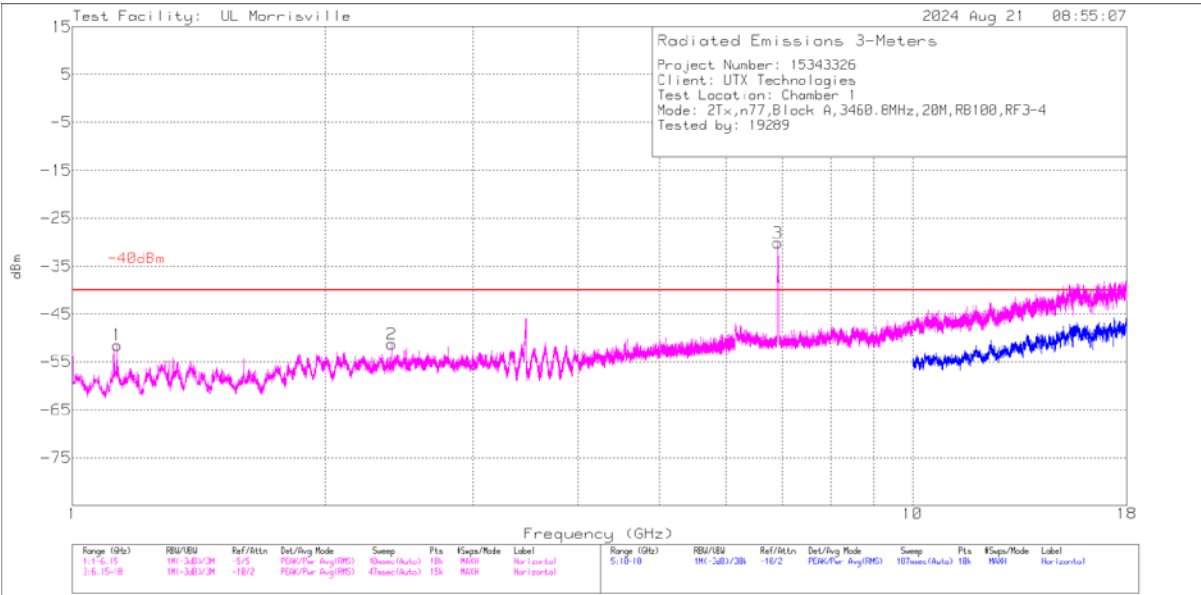
OPSK 5G NR n77 (20MHz BANDWIDTH)



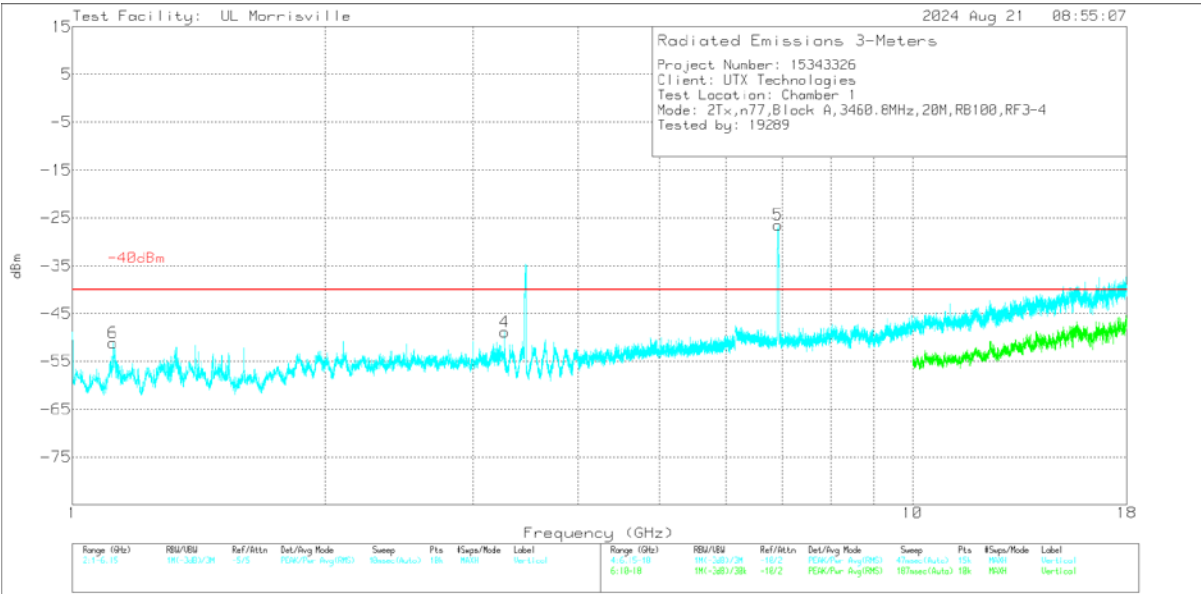
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-40dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.50522	-39.84	Pk	28.2	-48.1	11.8	.3	-47.64	-40	-7.64	0-360	101	V
1	1.59998	-45.64	Pk	28.1	-47.9	11.8	.3	-53.34	-40	-13.34	0-360	200	H
5	1.59998	-43.13	Pk	28.1	-47.9	11.8	.3	-50.83	-40	-10.83	0-360	101	V
6	2.10004	-45.39	Pk	31.7	-48.1	11.8	.6	-49.39	-40	-9.39	0-360	101	V
2	2.59032	-48.5	Pk	32.4	-47.6	11.8	.5	-51.4	-40	-11.4	0-360	200	H
7	2.61968	-45.53	Pk	32.5	-47.5	11.8	.6	-48.13	-40	-8.13	0-360	200	V
3	6.92652	-58.26	RMS	35.4	-42.4	11.8	.8	-52.66	-40	-12.66	290	373	H
8	6.91918	-57.62	RMS	35.4	-42.2	11.8	.7	-51.92	-40	-11.92	8	250	V

Pk - Peak detector

RMS - RMS detection



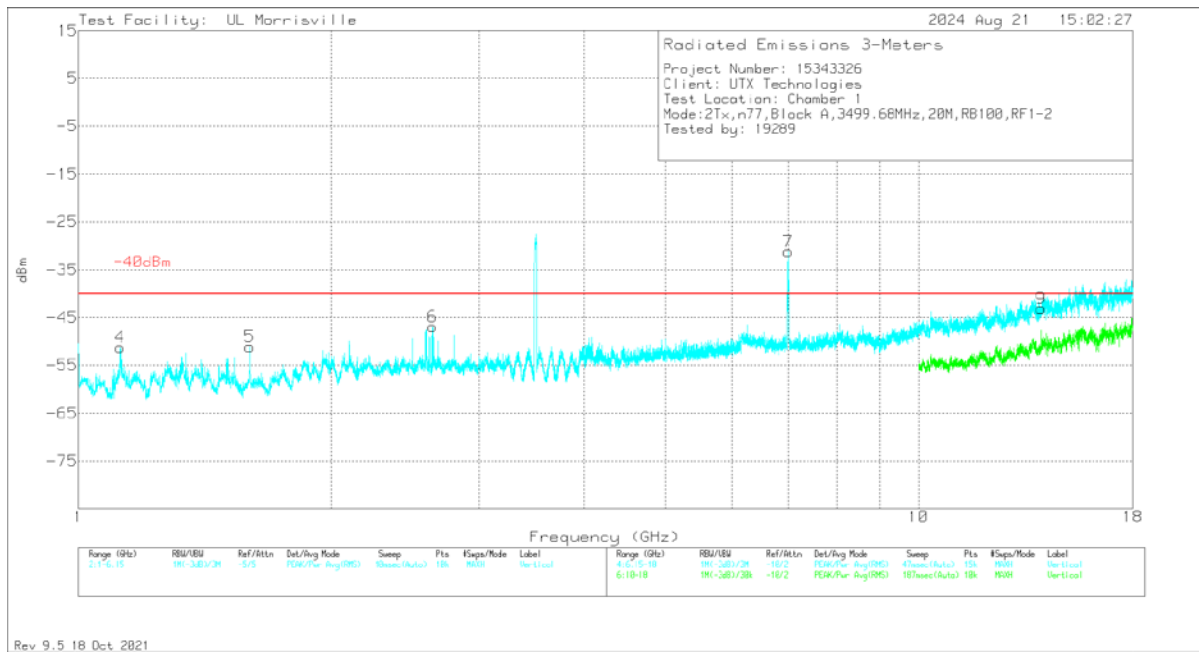
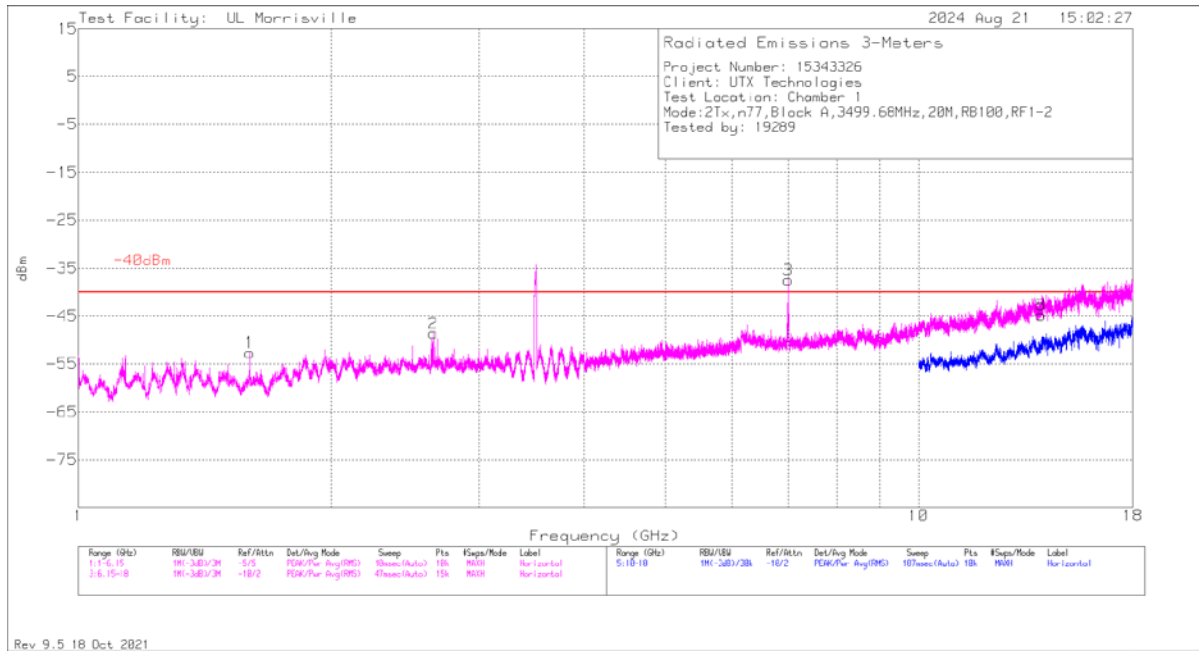
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Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-40dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	1.11794	-42.66	Pk	28	-48.6	11.8	.3	-51.16	-40	-11.16	0-360	101	V
1	1.1303	-42.97	Pk	28.1	-48.8	11.8	.4	-51.47	-40	-11.47	0-360	100	H
2	2.40029	-47.29	Pk	32	-48.4	11.8	.6	-51.29	-40	-11.29	0-360	199	H
4	3.27012	-48.66	Pk	32.7	-45.1	11.8	.4	-48.86	-40	-8.86	0-360	200	V
3	6.92101	-51.16	RMS	35.4	-42.3	11.8	.7	-45.56	-40	-5.56	350	314	H
5	6.9222	-47.26	RMS	35.4	-42.3	11.8	.7	-41.66	-40	-1.66	312	303	V

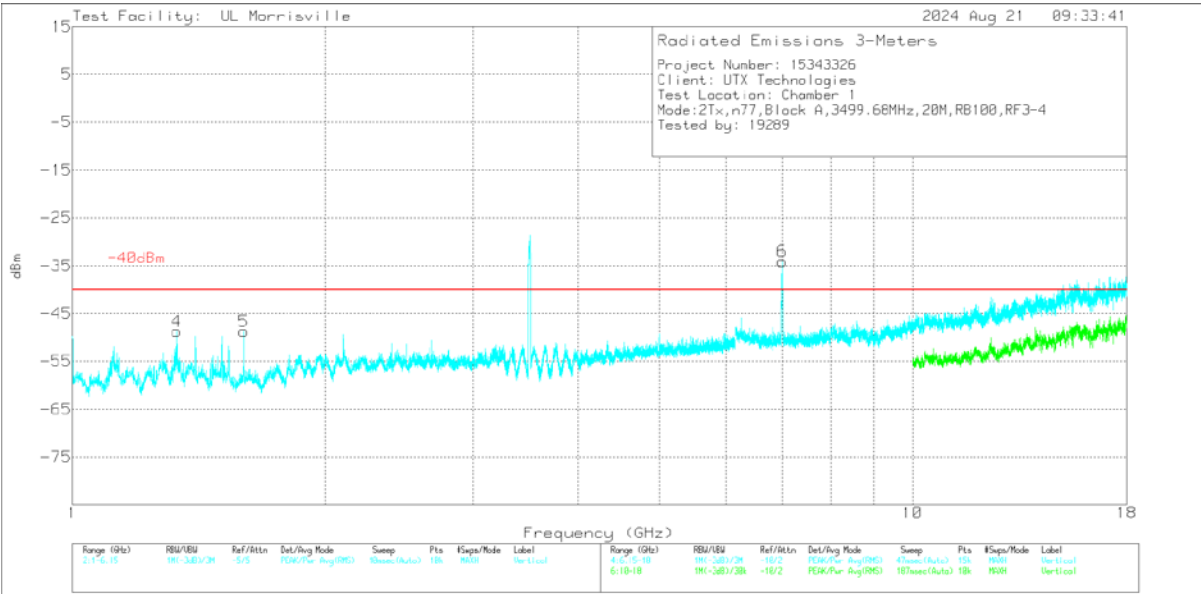
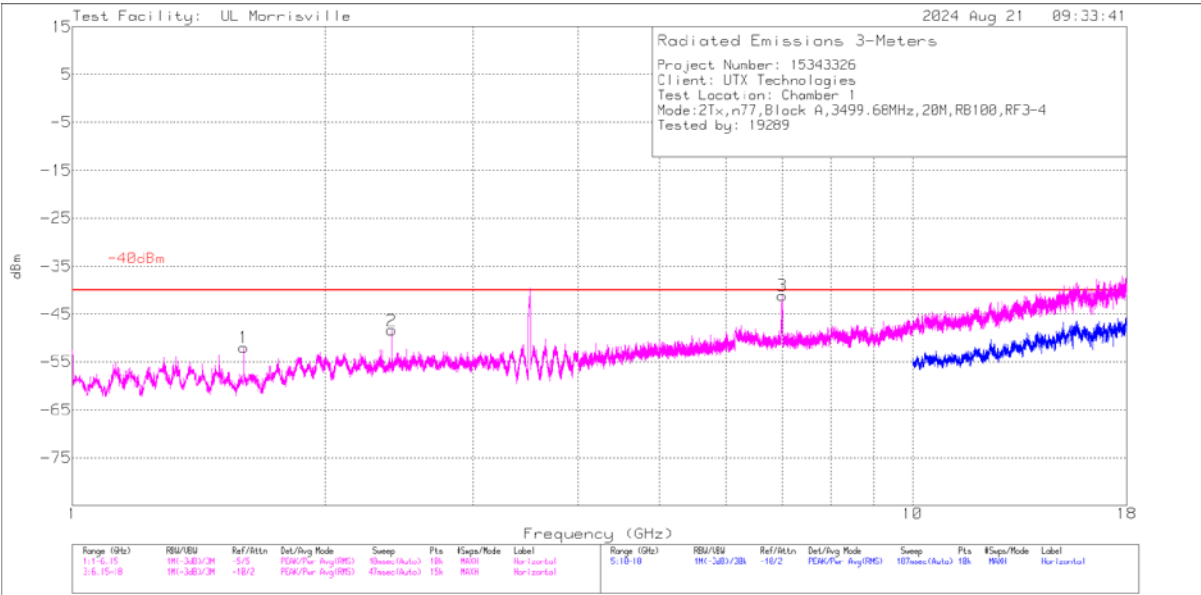
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-40dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.12051	-42.83	Pk	28	-48.5	11.8	.3	-51.23	-40	-11.23	0-360	200	V
1	1.59998	-45.01	Pk	28.1	-47.9	11.8	.3	-52.71	-40	-12.71	0-360	200	H
5	1.59998	-43.39	Pk	28.1	-47.9	11.8	.3	-51.09	-40	-11.09	0-360	200	V
6	2.63873	-44.25	Pk	32.5	-47.6	11.8	.6	-46.95	-40	-6.95	0-360	299	V
2	2.64388	-46.07	Pk	32.5	-47.5	11.8	.6	-48.67	-40	-8.67	0-360	200	H
7	7.00453	-52.46	RMS	35.4	-42.3	11.8	.7	-46.86	-40	-6.86	346	213	V
3	7.00454	-57.91	RMS	35.4	-42.3	11.8	.7	-52.31	-40	-12.31	341	271	H
8	13.99866	-63.88	RMS	39.1	-37.8	11.8	1.2	-49.58	-40	-9.58	75	396	H
9	13.99864	-61.31	RMS	39.1	-37.8	11.8	1.2	-47.01	-40	-7.01	193	239	V

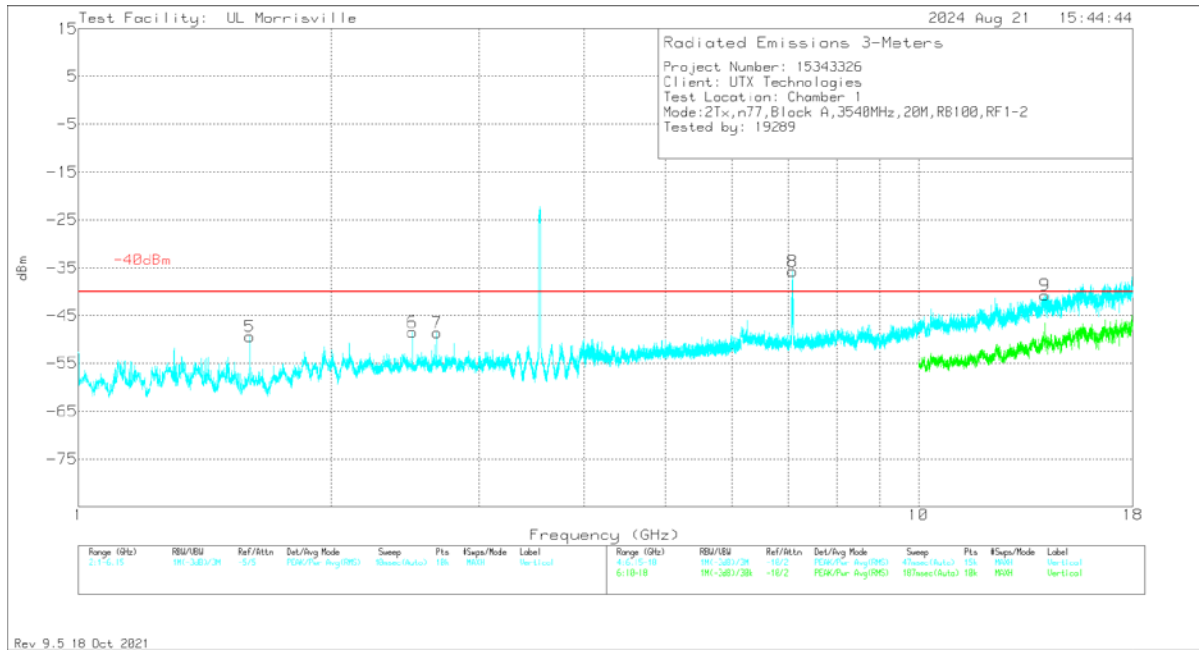
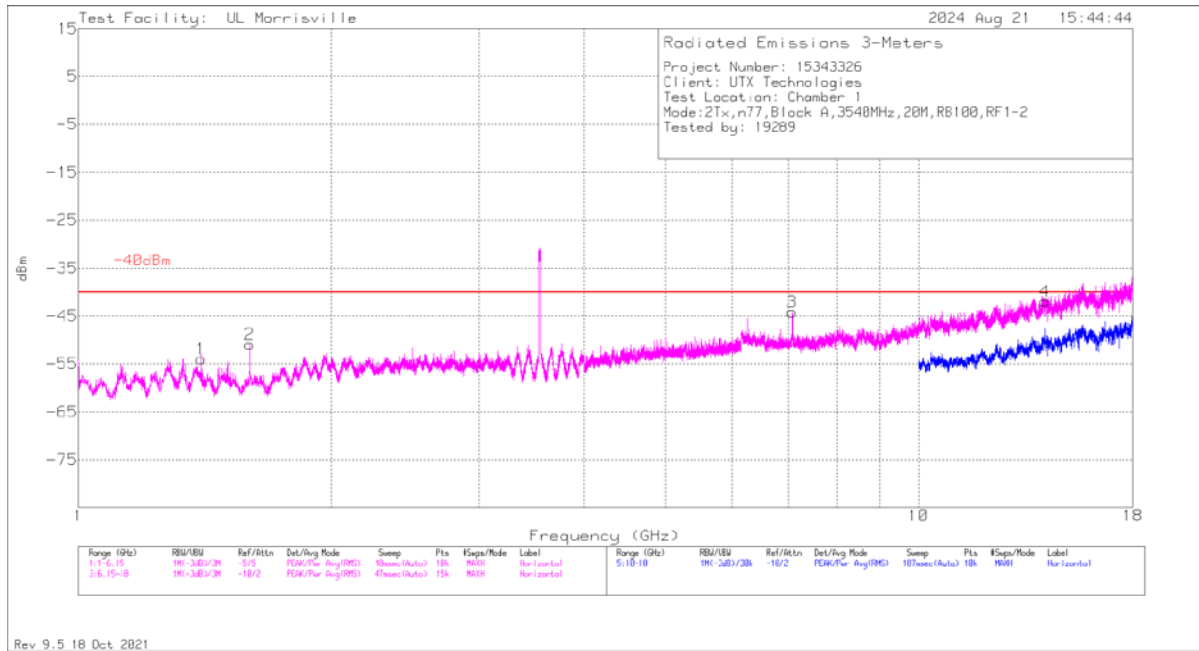
Pk - Peak detector

RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-40dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.33218	-41.66	Pk	29.1	-48.3	11.8	.3	-48.76	-40	-8.76	0-360	199	V
1	1.59998	-44.26	Pk	28.1	-47.9	11.8	.3	-51.96	-40	-11.96	0-360	101	H
5	1.59998	-41.05	Pk	28.1	-47.9	11.8	.3	-48.75	-40	-8.75	0-360	101	V
2	2.40029	-44.42	Pk	32	-48.4	11.8	.6	-48.42	-40	-8.42	0-360	101	H
6	7.00006	-48.52	RMS	35.4	-42.4	11.8	.7	-43.02	-40	-3.02	315	298	V
3	7.00023	-54.64	RMS	35.4	-42.4	11.8	.7	-49.14	-40	-9.14	13	344	H

Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-40dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.40016	-46.84	Pk	28.7	-48	11.8	.4	-53.94	-40	-13.94	0-360	101	H
2	1.59998	-43.21	Pk	28.1	-47.9	11.8	.3	-50.91	-40	-10.91	0-360	300	H
5	1.59998	-41.69	Pk	28.1	-47.9	11.8	.3	-49.39	-40	-9.39	0-360	200	V
6	2.5002	-45.32	Pk	32.3	-47.9	11.8	.6	-48.52	-40	-8.52	0-360	101	V
7	2.67169	-46.02	Pk	32.5	-47.4	11.8	.5	-48.62	-40	-8.62	0-360	300	V
3	7.08551	-61.16	RMS	35.4	-42.2	11.8	.8	-55.36	-40	-15.36	291	380	H
8	7.08546	-55.74	RMS	35.4	-42.2	11.8	.8	-49.94	-40	-9.94	351	215	V
4	14.16004	-61.77	RMS	39.2	-37.3	11.8	1	-47.07	-40	-7.07	115	262	V
9	14.16005	-61.93	RMS	39.2	-37.3	11.8	1	-47.23	-40	-7.23	186	108	H

Pk - Peak detector

RMS - RMS detection