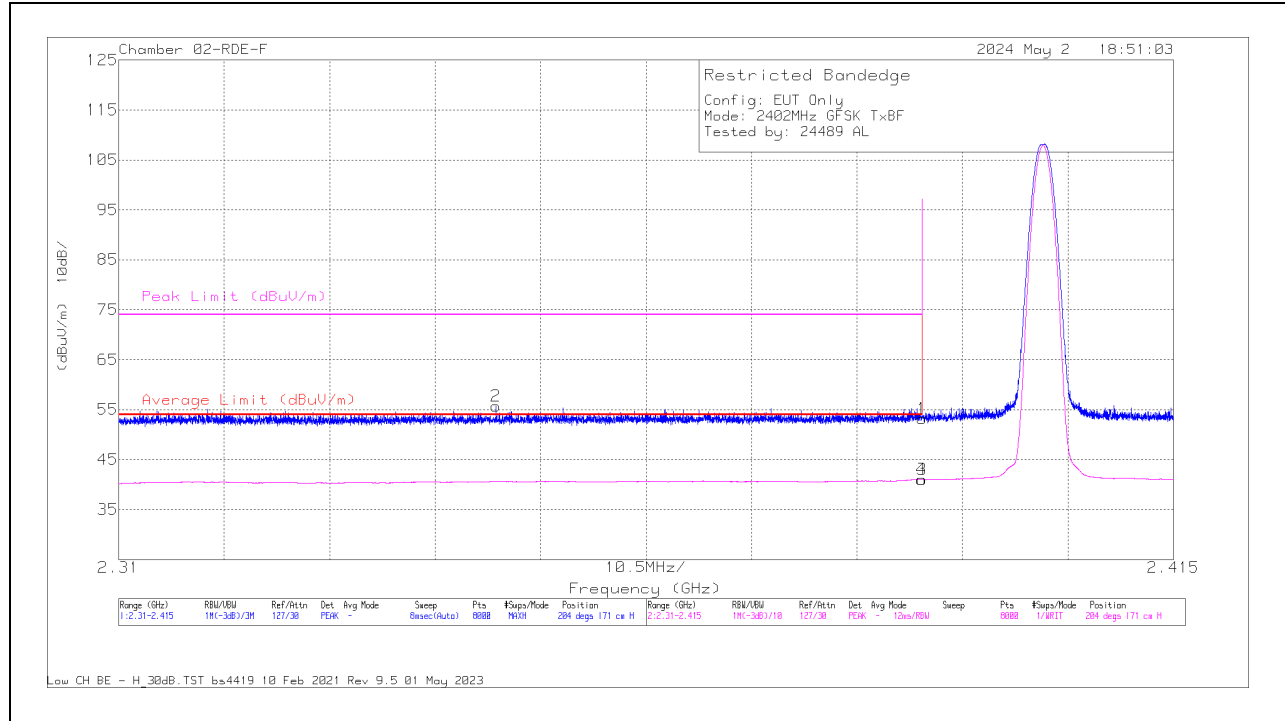


10.1.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



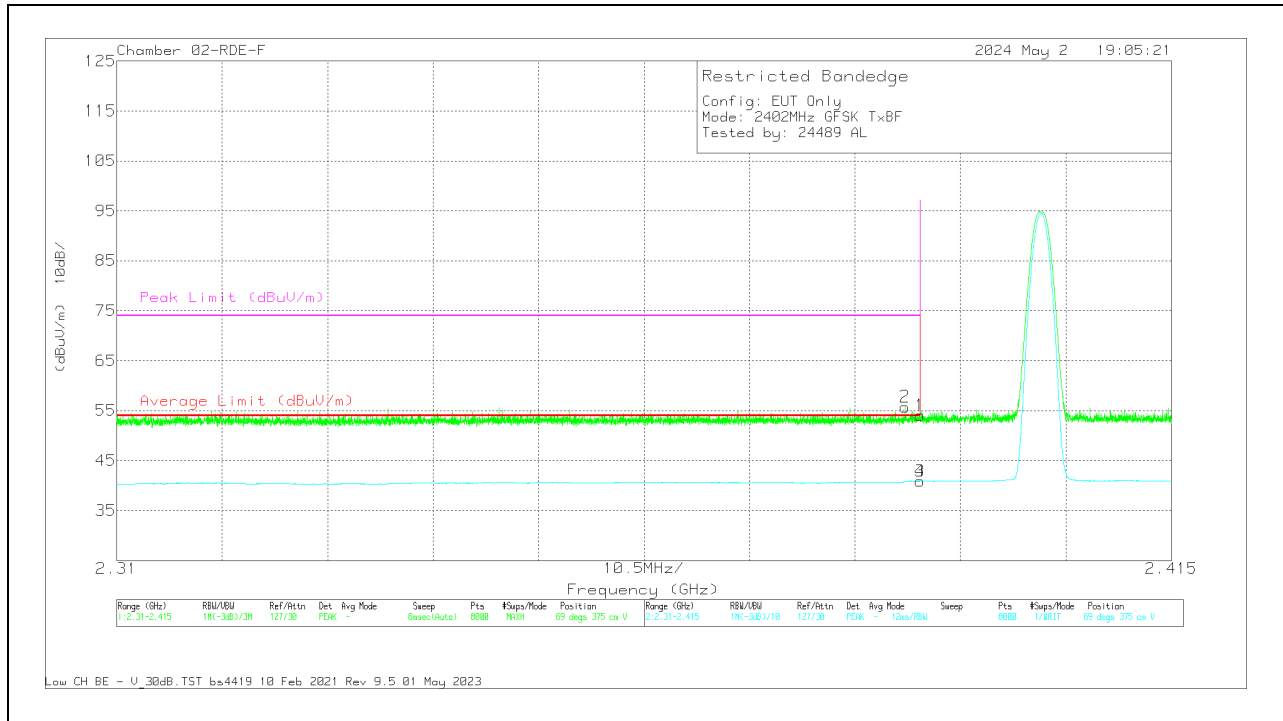
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206806 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.9	Pk	32.2	-38.9	53.2	-	-	74	-20.8	204	171	H
2	* 2.347556	62.69	Pk	32.1	-39.1	55.69	-	-	74	-18.31	204	171	H
3	* 2.39	47.7	VA1T	32.2	-38.9	41	54	-13	-	-	204	171	H
4	* 2.389904	47.72	VA1T	32.2	-38.9	41.02	54	-12.98	-	-	204	171	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206806 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.83	Pk	32.2	-38.9	54.13	-	-	74	-19.87	69	375	V
2	* 2.388473	62.67	Pk	32.1	-39	55.77	-	-	74	-18.23	69	375	V
3	* 2.39	47.57	VA1T	32.2	-38.9	40.87	54	-13.13	-	-	69	375	V
4	* 2.389996	47.57	VA1T	32.2	-38.9	40.87	54	-13.13	-	-	69	375	V

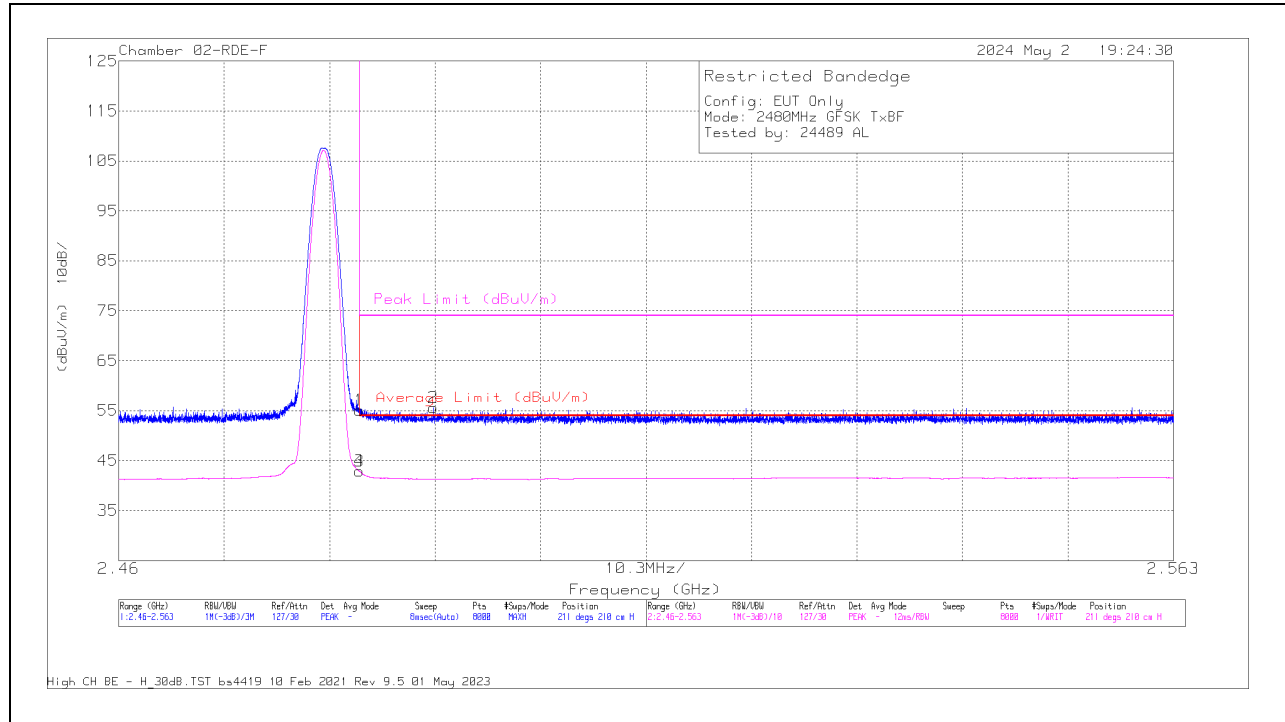
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



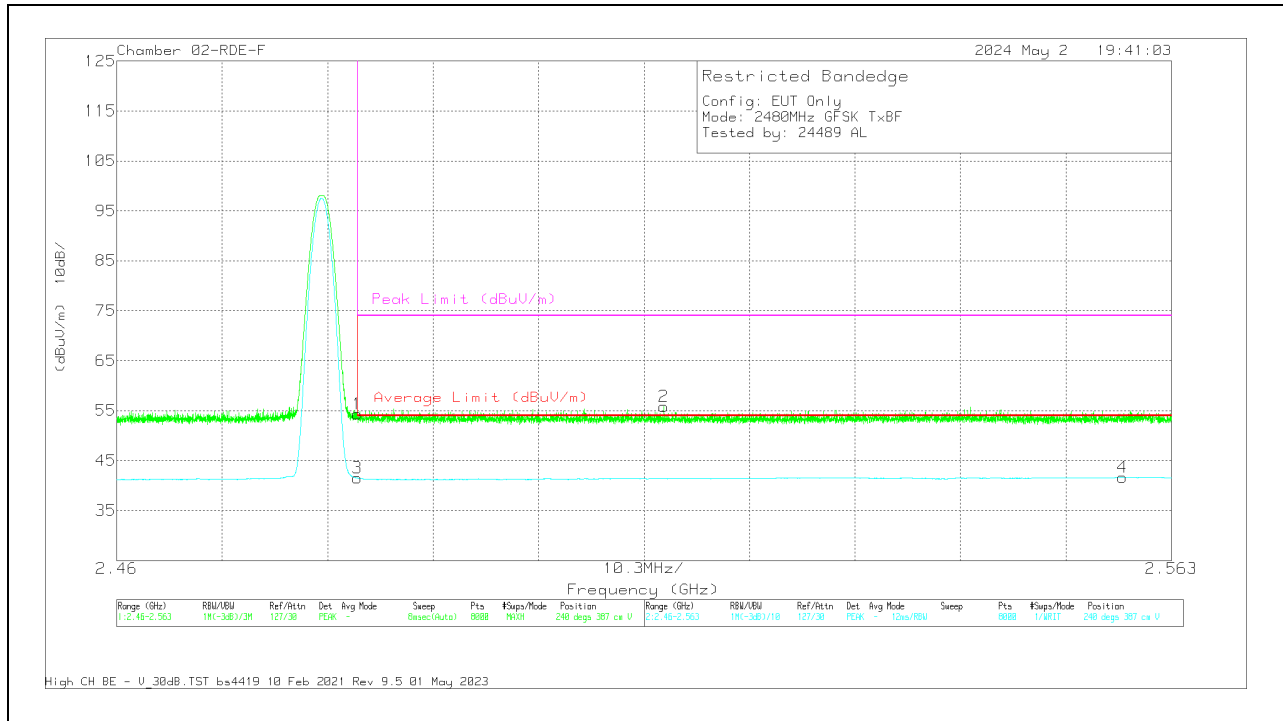
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206806 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.63	Pk	32.2	-38.7	55.13	-	-	74	-18.87	211	210	H
2	* 2.490712	62.03	Pk	32.2	-38.7	55.53	-	-	74	-18.47	211	210	H
3	* 2.4835	49.35	VA1T	32.2	-38.7	42.85	54	-11.15	-	-	211	210	H
4	* 2.483501	49.35	VA1T	32.2	-38.7	42.85	54	-11.15	-	-	211	210	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206806 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.87	Pk	32.2	-38.7	54.37	-	-	74	-19.63	240	387	V
3	* 2.4835	48	VA1T	32.2	-38.7	41.5	54	-12.5	-	-	240	387	V
2	2.513452	62.18	Pk	32.2	-38.6	55.78	-	-	74	-18.22	240	387	V
4	2.558239	47.98	VA1T	32.2	-38.5	41.68	54	-12.32	-	-	240	387	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

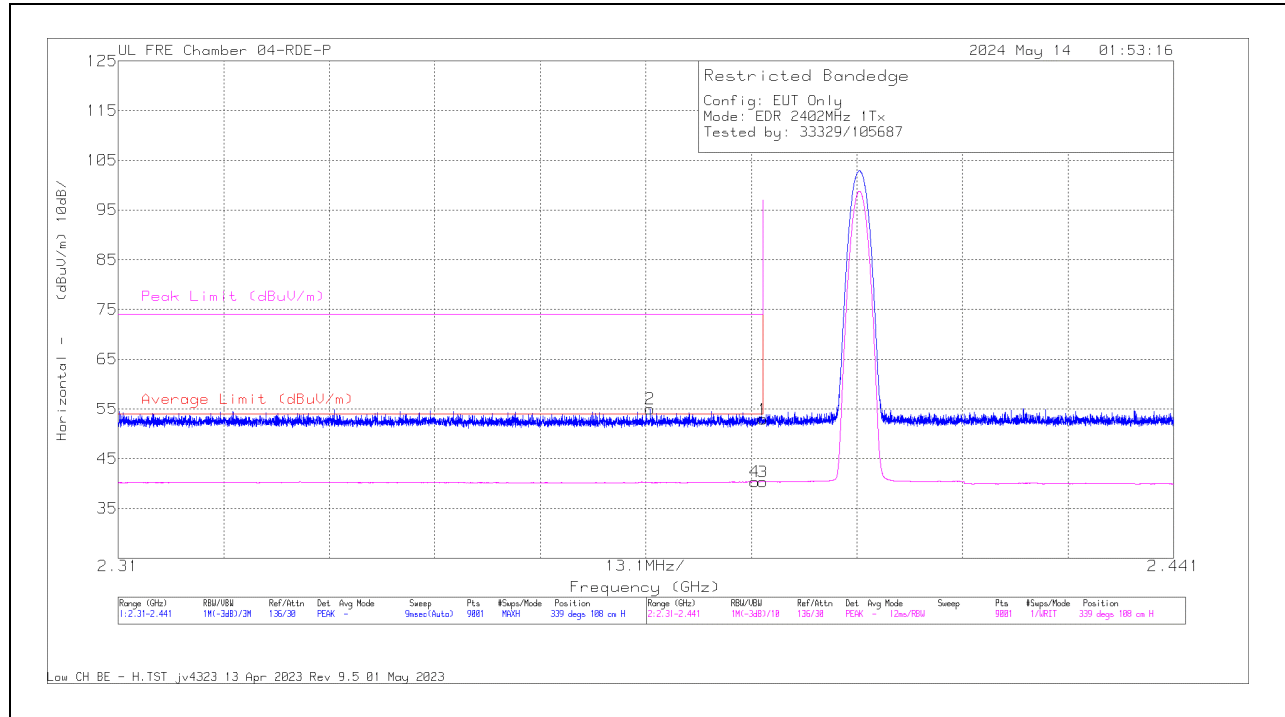
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEGE (LOW CHANNEL)

HORIZONTAL RESULT

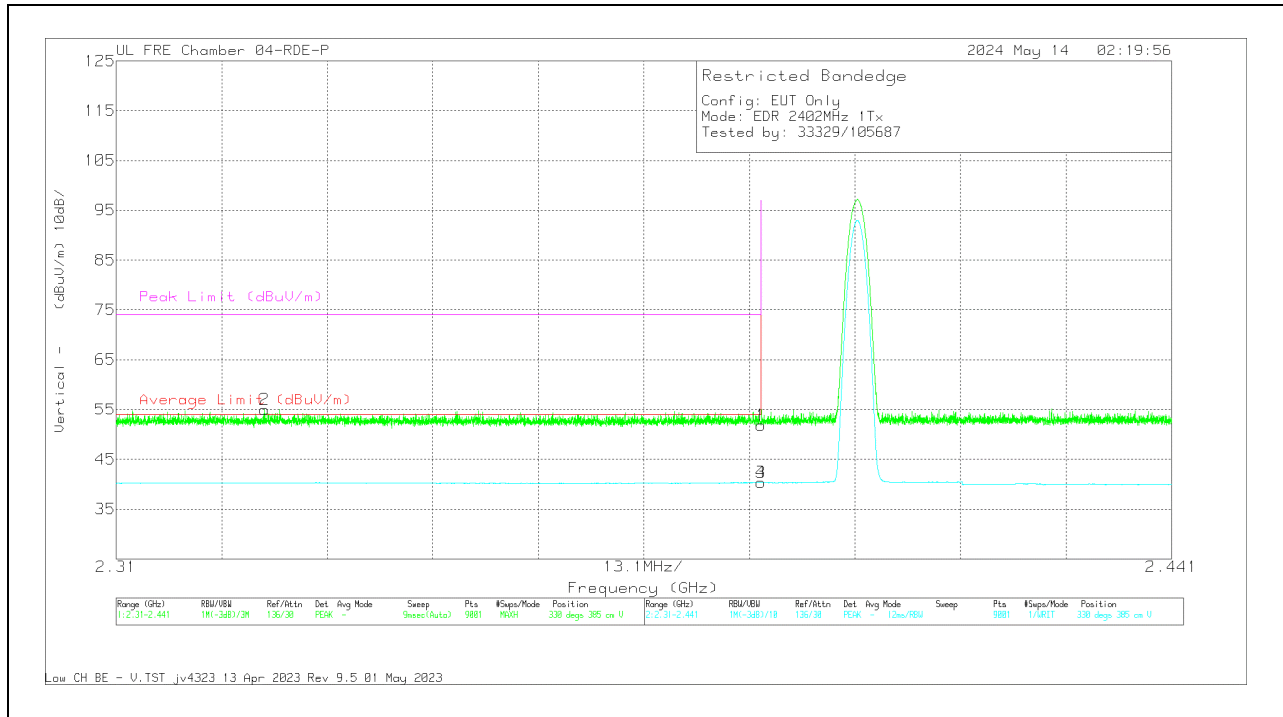


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.376041	63.75	Pk	32	-40.78	54.97	-	-	74	-19.03	339	108	H
4	2.38901	49.11	VA1T	32	-40.75	40.36	54	-13.64	-	-	339	108	H
1	2.39	61.66	Pk	32	-40.75	52.91	-	-	74	-21.09	339	108	H
3	2.39	49.06	VA1T	32	-40.75	40.31	54	-13.69	-	-	339	108	H

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT

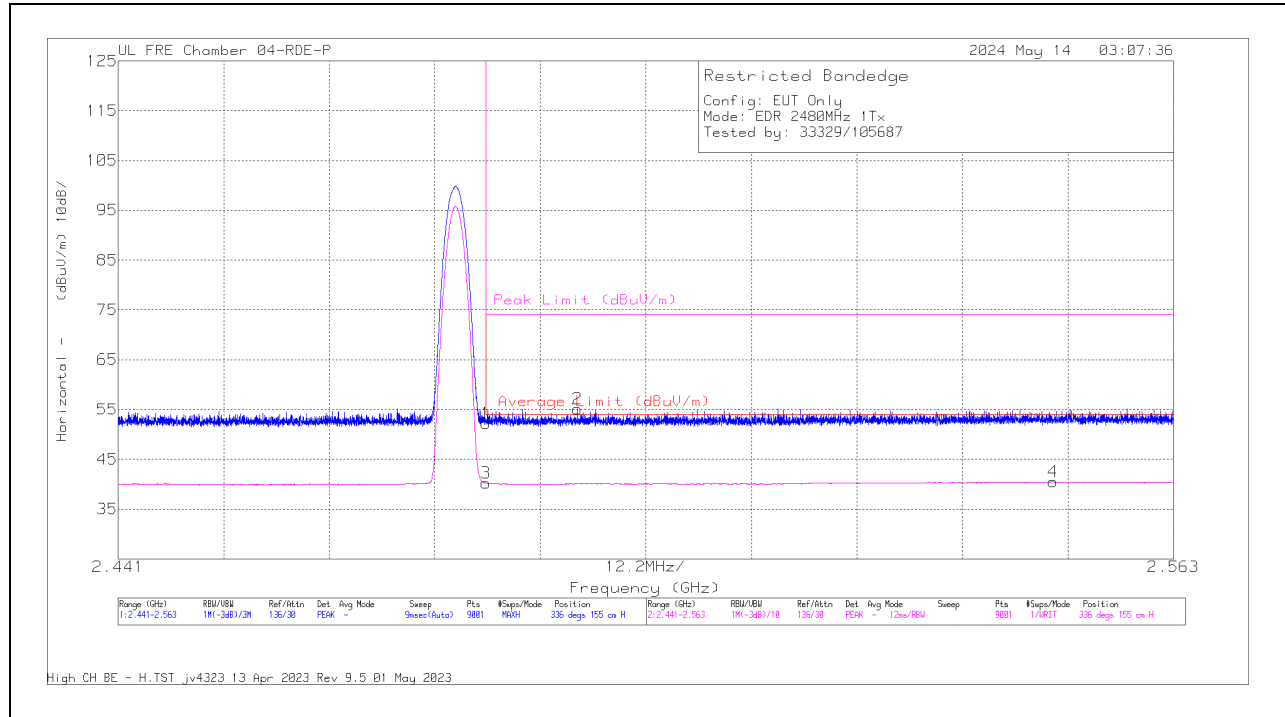


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.55	Pk	32	-40.75	51.8	-	-	74	-22.2	330	385	V
2	* 2.328442	63.89	Pk	31.9	-40.8	54.99	-	-	74	-19.01	330	385	V
3	* 2.39	49.1	VA1T	32	-40.75	40.35	54	-13.65	-	-	330	385	V
4	* 2.39	49.1	VA1T	32	-40.75	40.35	54	-13.65	-	-	330	385	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

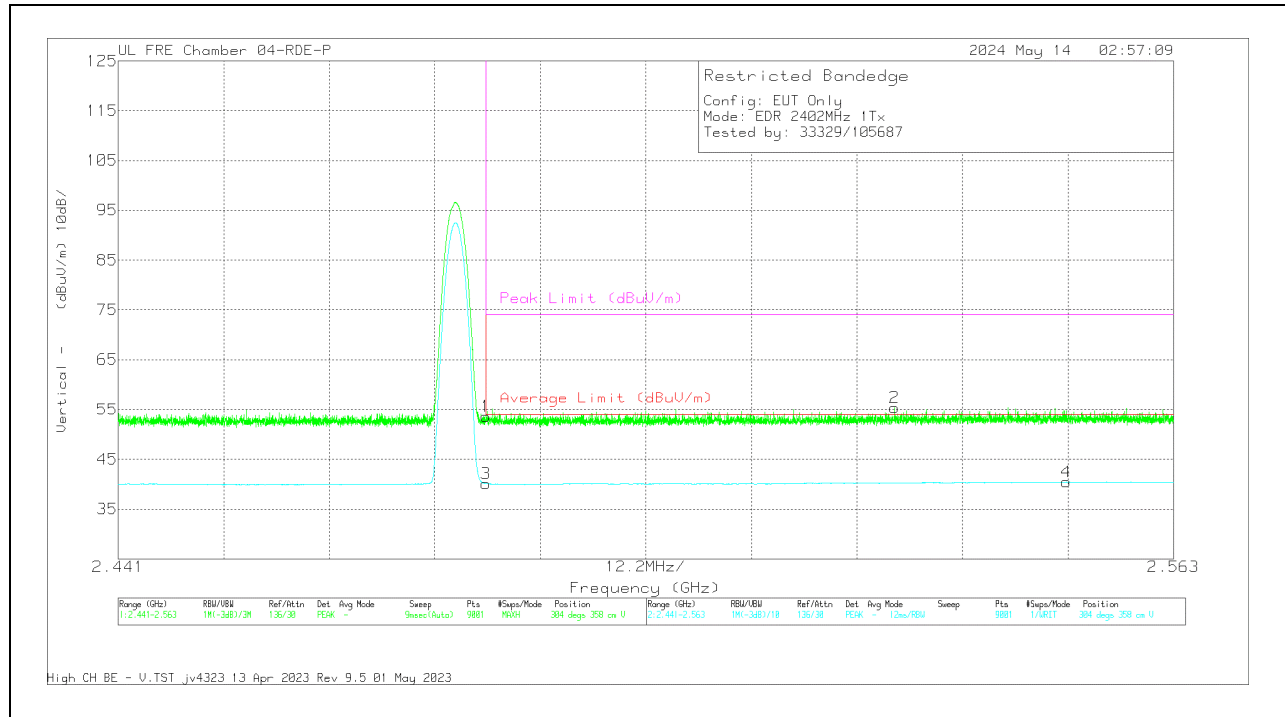
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.89	Pk	32.2	-40.83	52.26	-	-	74	-21.74	336	155	H
2	* 2.494072	63.7	Pk	32.3	-40.83	55.17	-	-	74	-18.83	336	155	H
3	* 2.4835	48.83	VA1T	32.2	-40.83	40.2	54	-13.8	-	-	336	155	H
4	2.549055	48.71	VA1T	32.4	-40.65	40.46	54	-13.54	-	-	336	155	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	62.29	Pk	32.2	-40.83	53.66	-	-	74	-20.34	304	358	V
3	* 2.4835	48.76	VA1T	32.2	-40.83	40.13	54	-13.87	-	-	304	358	V
2	2.530781	63.74	PK	32.4	-40.71	55.43	-	-	74	-18.57	304	358	V
4	2.5506	48.68	VA1T	32.4	-40.64	40.44	54	-13.56	-	-	304	358	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

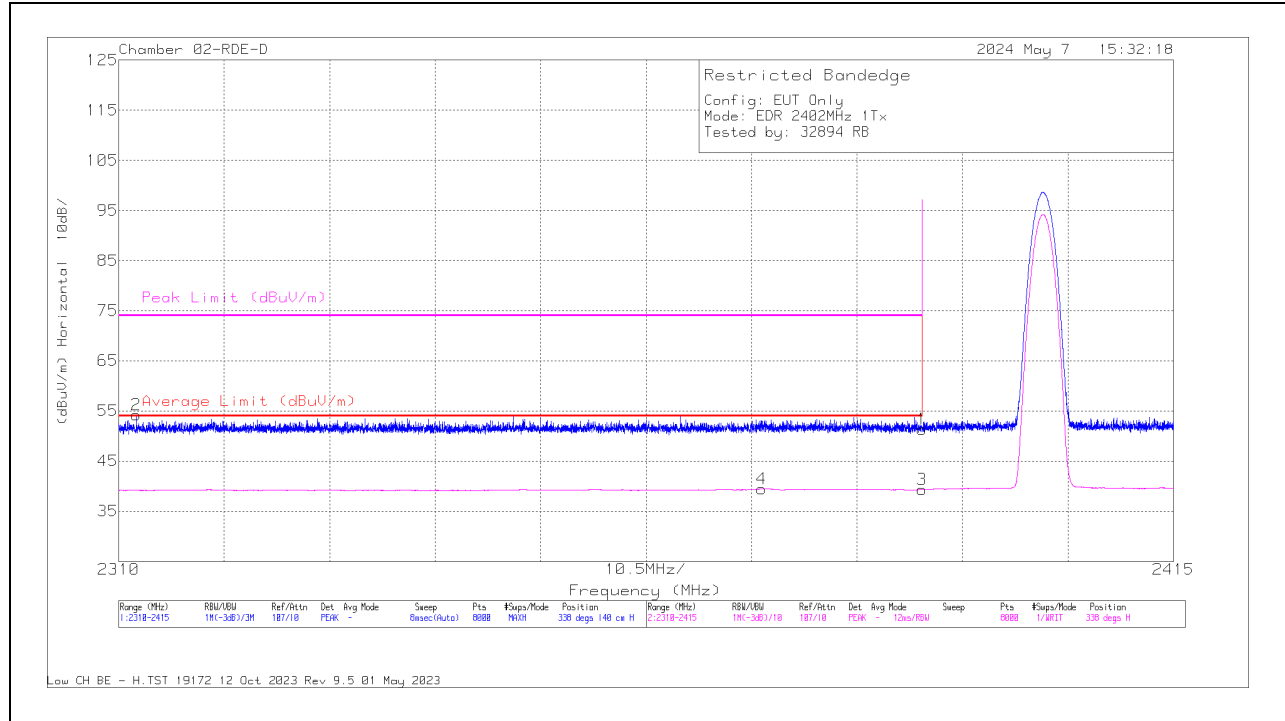
Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

ANT 3

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



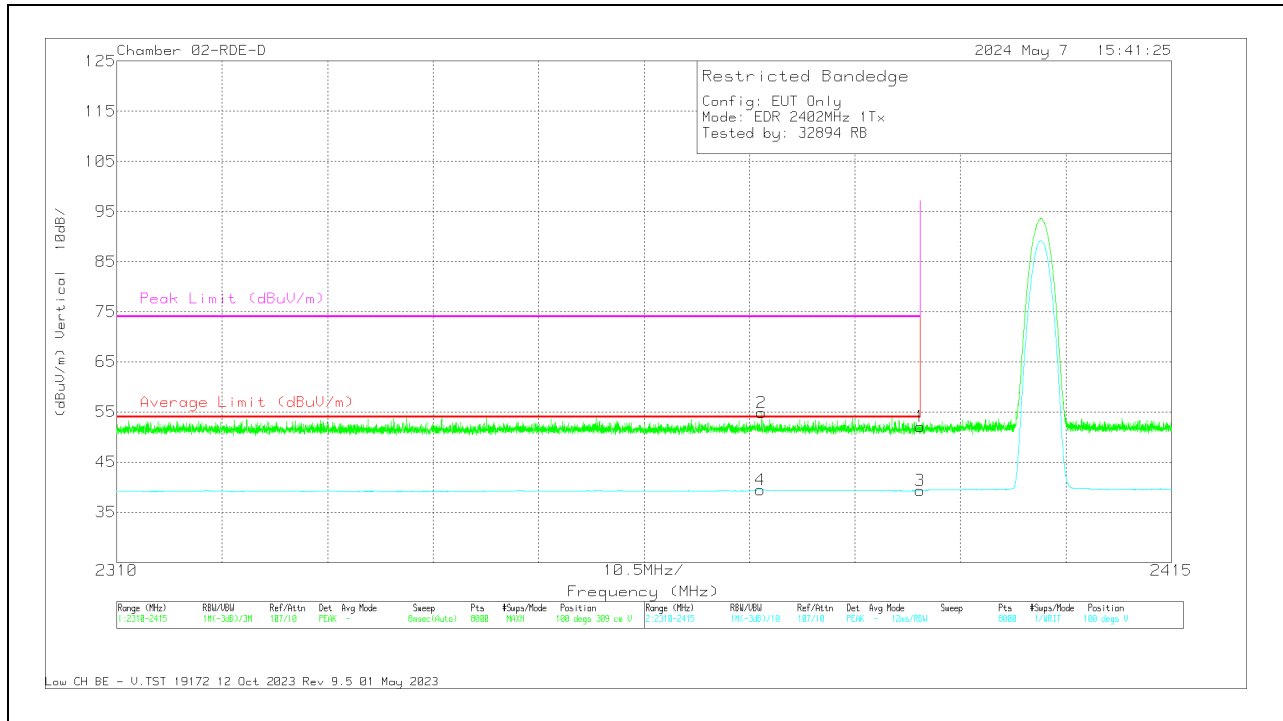
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	38.75	Pk	32.2	-19.6	51.35	-	-	74	-22.65	338	140	H
2	* 2311.746	41.91	Pk	32	-19.7	54.21	-	-	74	-19.79	338	140	H
3	* 2390	26.75	VA1T	32.2	-19.6	39.35	54	-14.65	-	-	338	140	H
4	* 2374.02	26.88	VA1T	32.2	-19.6	39.48	54	-14.52	-	-	338	140	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200896 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	39.55	Pk	32.2	-19.6	52.15	-	-	74	-21.85	100	309	V
2	* 2374.217	42.26	Pk	32.2	-19.6	54.86	-	-	74	-19.14	100	309	V
3	* 2390	26.7	VA1T	32.2	-19.6	39.3	54	-14.7	-	-	100	309	V
4	* 2374.086	26.89	VA1T	32.2	-19.6	39.49	54	-14.51	-	-	100	309	V

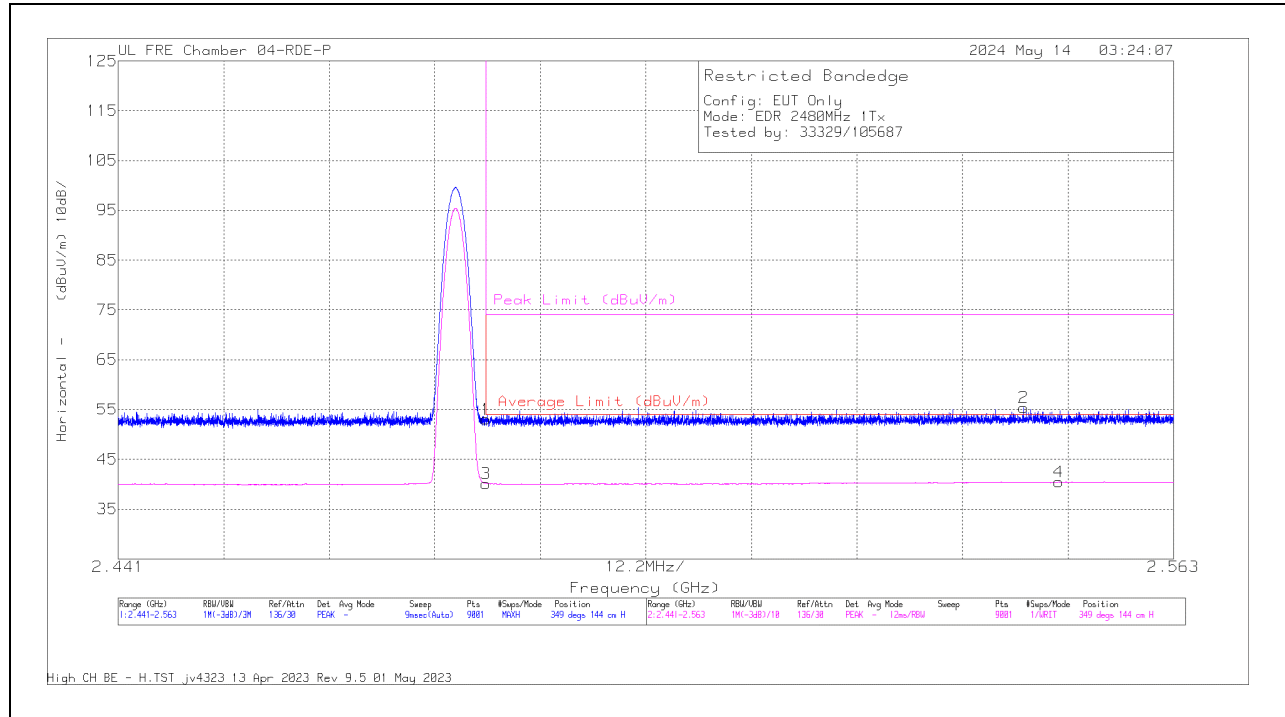
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



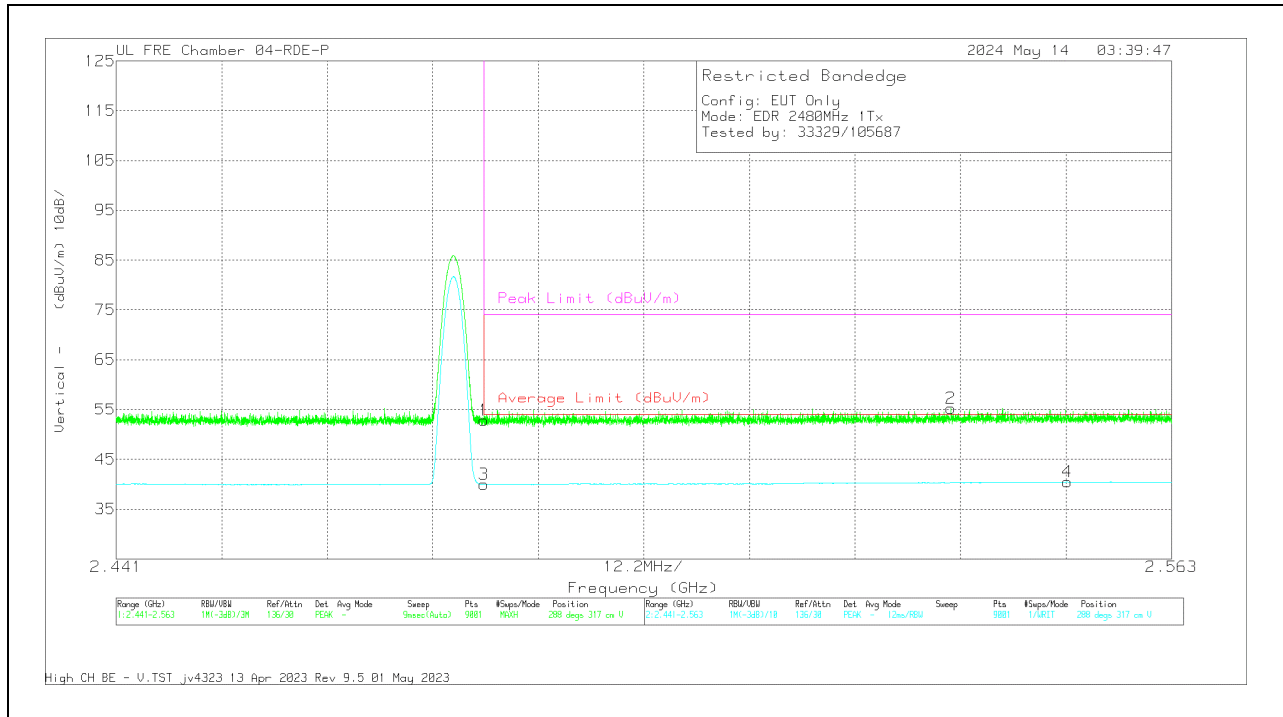
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.67	Pk	32.2	-40.83	53.04	-	-	74	-20.96	349	144	H
3	* 2.4835	48.79	VA1T	32.2	-40.83	40.16	54	-13.84	-	-	349	144	H
2	2.545666	63.63	Pk	32.4	-40.67	55.36	-	-	74	-18.64	349	144	H
4	2.549746	48.69	VA1T	32.4	-40.65	40.44	54	-13.56	-	-	349	144	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.51	PK	32.2	-40.83	52.88	-	-	74	-21.12	288	317	V
3	* 2.4835	48.59	VA1T	32.2	-40.83	39.96	54	-14.04	-	-	288	317	V
2	2.537492	63.55	PK	32.4	-40.71	55.24	-	-	74	-18.76	288	317	V
4	2.550939	48.69	VA1T	32.4	-40.64	40.45	54	-13.55	-	-	288	317	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

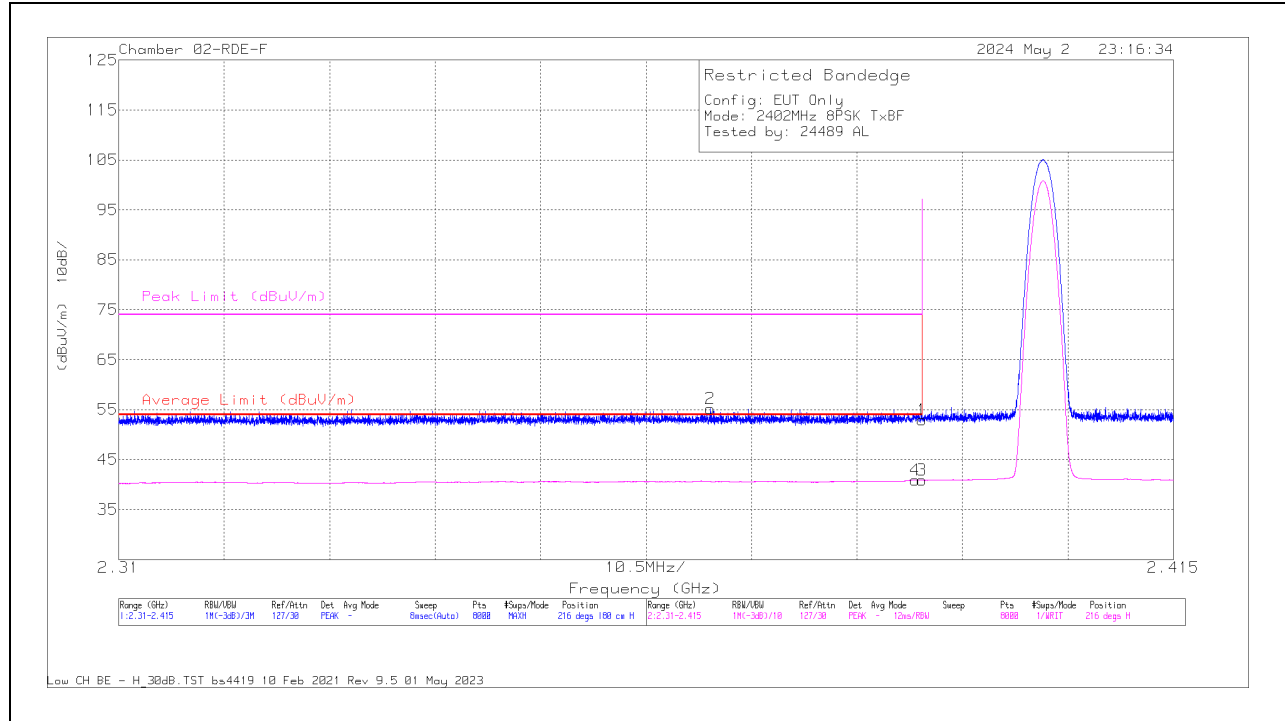
PK - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.8. LOW POWER ENHANCED DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



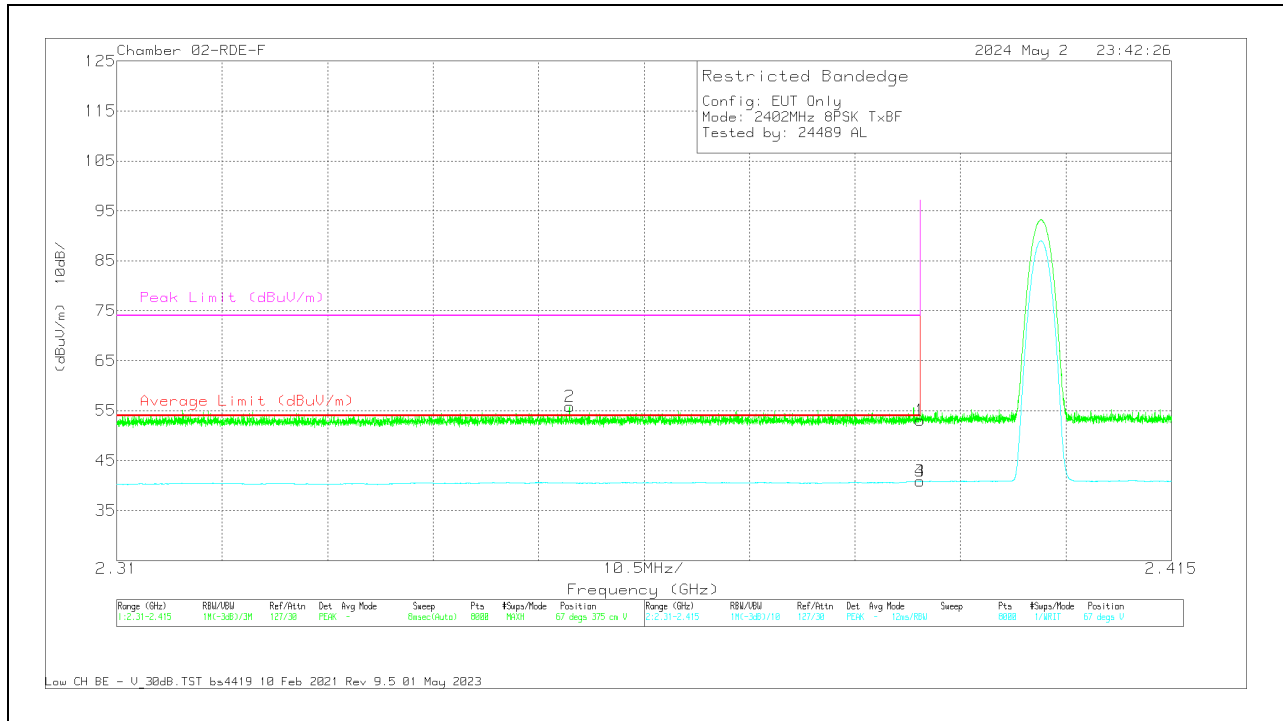
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206806 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.61	Pk	32.2	-38.9	52.91	-	-	74	-21.09	216	180	H
2	* 2.368861	62.22	Pk	32.1	-39.1	55.22	-	-	74	-18.78	216	180	H
3	* 2.39	47.59	VA1T	32.2	-38.9	40.89	54	-13.11	-	-	216	180	H
4	* 2.389313	47.6	VA1T	32.2	-38.9	40.9	54	-13.1	-	-	216	180	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

VERTICAL RESULT



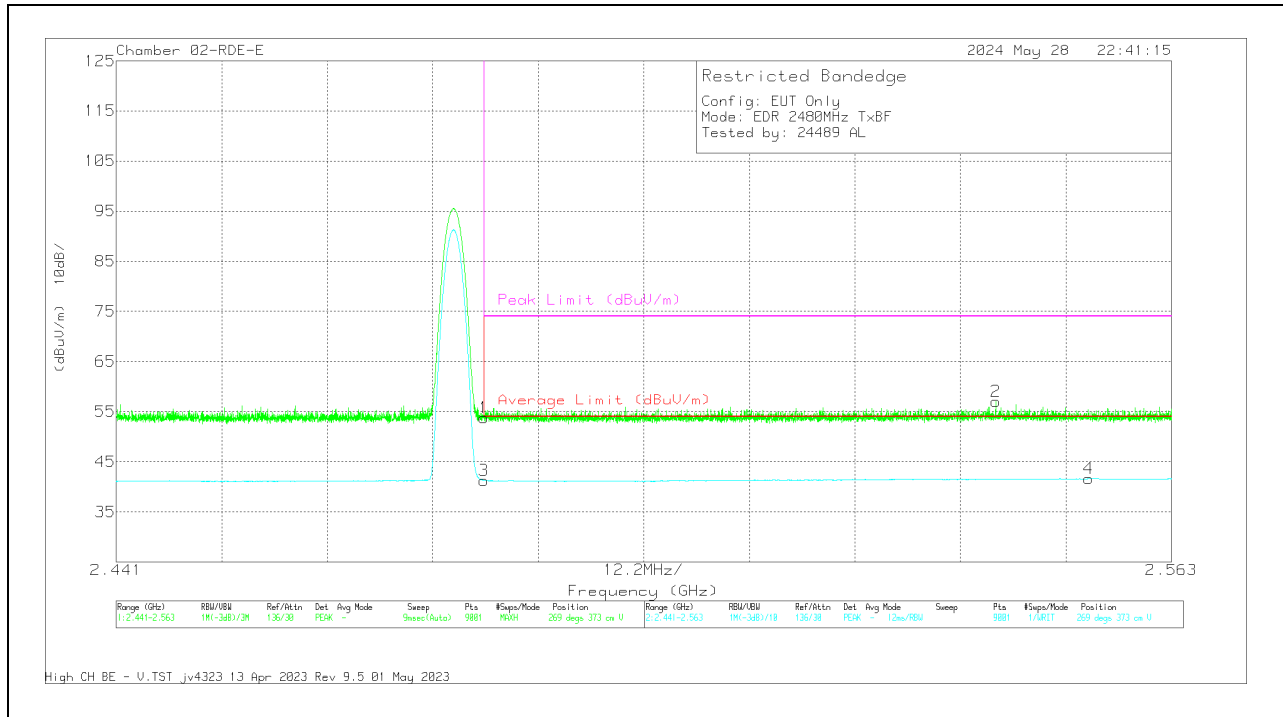
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206806 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.75	Pk	32.2	-38.9	53.05	-	-	74	-20.95	67	375	V
2	* 2.355078	62.85	Pk	32.1	-39.1	55.85	-	-	74	-18.15	67	375	V
3	* 2.39	47.55	VA1T	32.2	-38.9	40.85	54	-13.15	-	-	67	375	V
4	* 2.389996	47.55	VA1T	32.2	-38.9	40.85	54	-13.15	-	-	67	375	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT

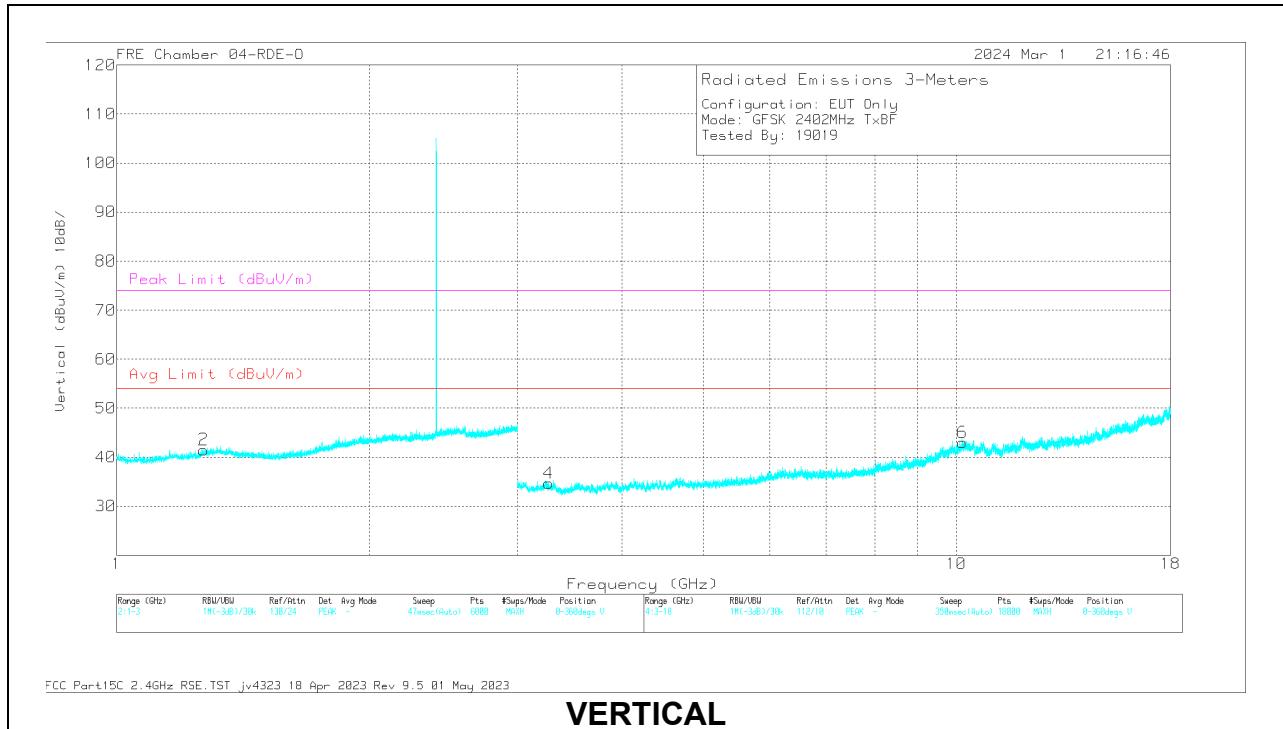
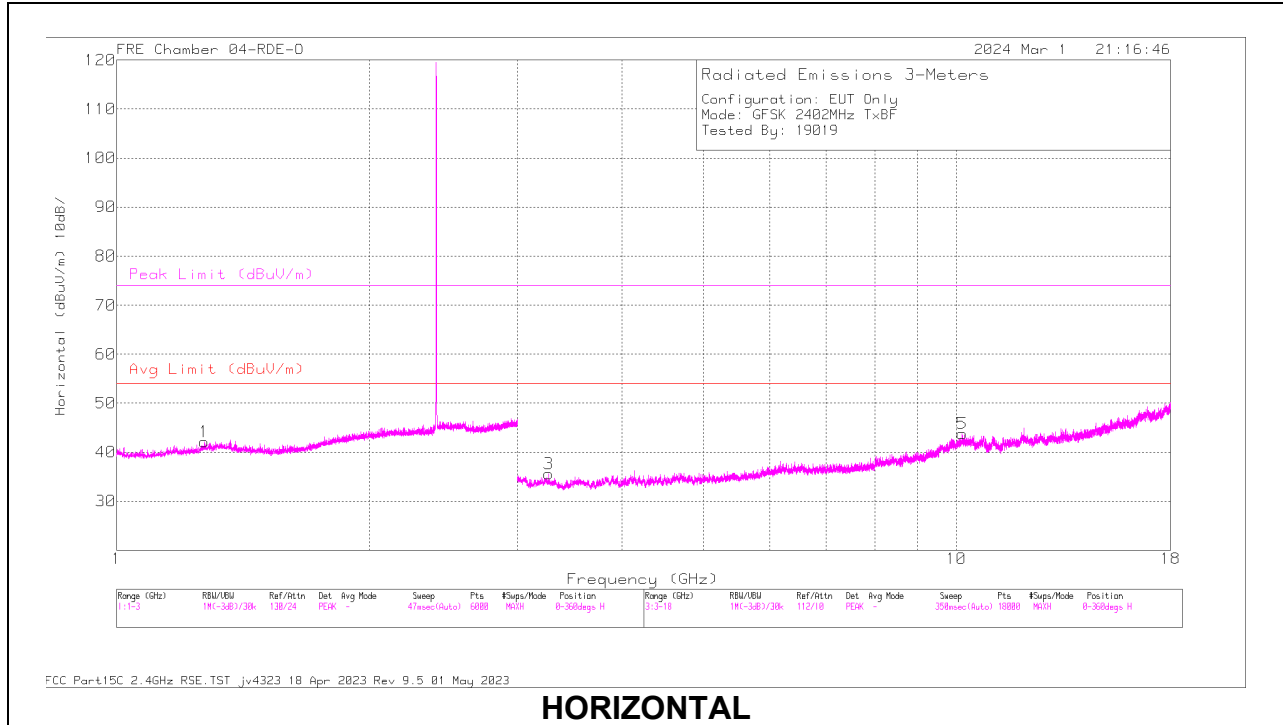


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206807 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.69	Pk	32.3	-39.16	53.83	-	-	74	-20.17	269	373	V
3	* 2.4835	48.11	VA1T	32.3	-39.16	41.25	54	-12.75	-	-	269	373	V
2	2.542684	63.51	Pk	32.5	-39.01	57	-	-	74	-17	269	373	V
4	2.553433	48.15	VA1T	32.5	-39.03	41.62	54	-12.38	-	-	269	373	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

10.1.9. WORST CASE HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

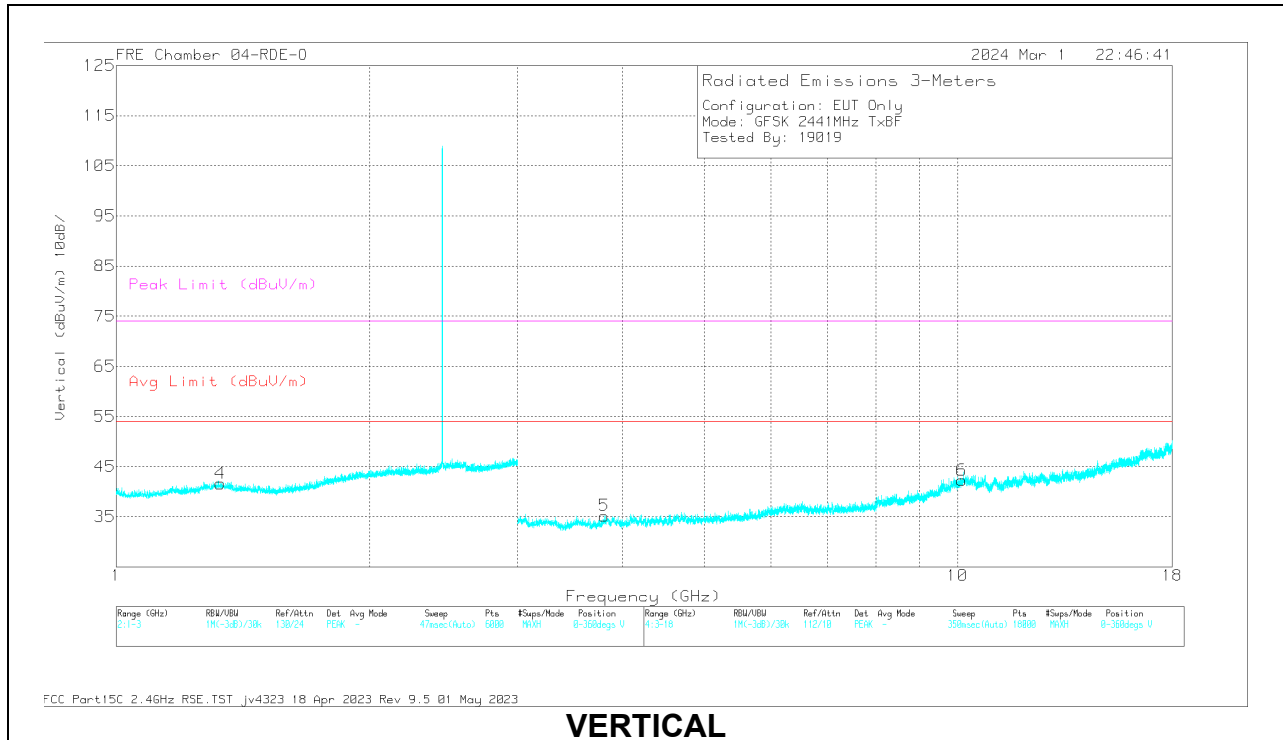
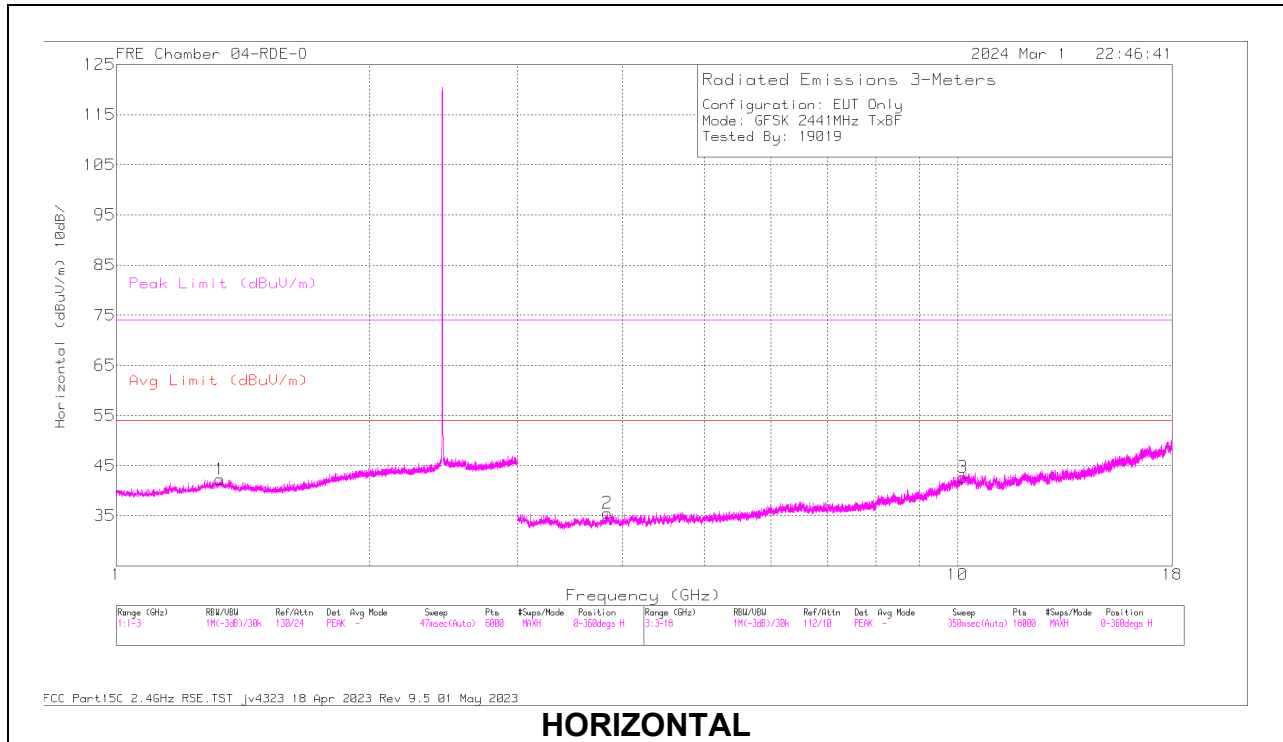


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 1.267728	57.47	PKFH	29	-36.9	49.57	-	-	74	-24.43	97	259	V
	* 1.269922	44.27	VA1T	29.1	-36.9	36.47	54	-17.53	-	-	97	259	V
1	* 1.27242	57.02	PKFH	29.1	-36.8	49.32	-	-	74	-24.68	148	149	H
	* 1.272234	44	VA1T	29.1	-36.8	36.3	54	-17.7	-	-	148	149	H
4	* 3.265665	54.47	PKFH	33.1	-44.53	43.04	-	-	74	-30.96	307	233	V
	* 3.265302	40.89	VA1T	33.1	-44.57	29.42	54	-24.58	-	-	307	233	V
3	3.268383	54.09	PKFH	33.1	-44.4	42.79	-	-	-	-	303	139	H
	3.268286	40.84	VA1T	33.1	-44.4	29.54	-	-	-	-	303	139	H
5	10.166449	52.07	PKFH	38.5	-39.41	51.16	-	-	-	-	357	181	H
	10.168011	38.77	VA1T	38.5	-39.3	37.97	-	-	-	-	357	181	H
6	10.173959	52.43	PKFH	38.5	-39.3	51.63	-	-	-	-	81	247	V
	10.170969	38.72	VA1T	38.5	-39.2	38.02	-	-	-	-	81	247	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

MID CHANNEL RESULTS

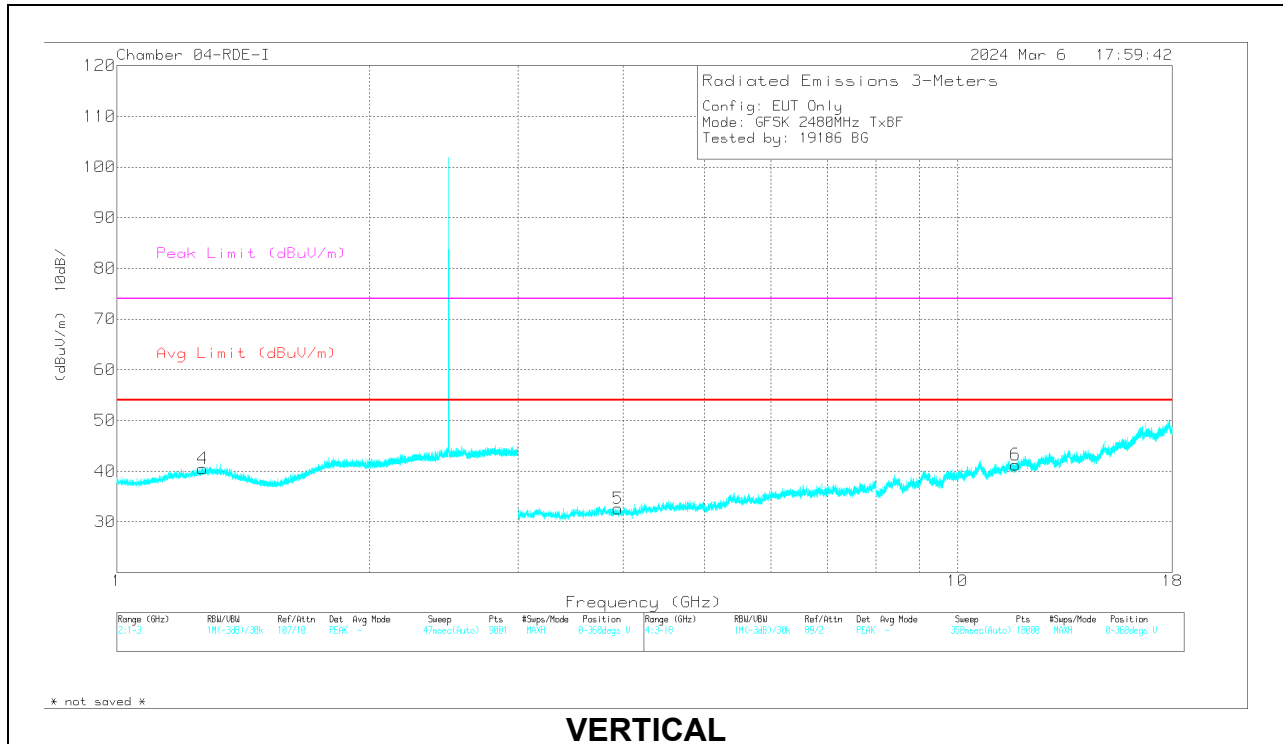
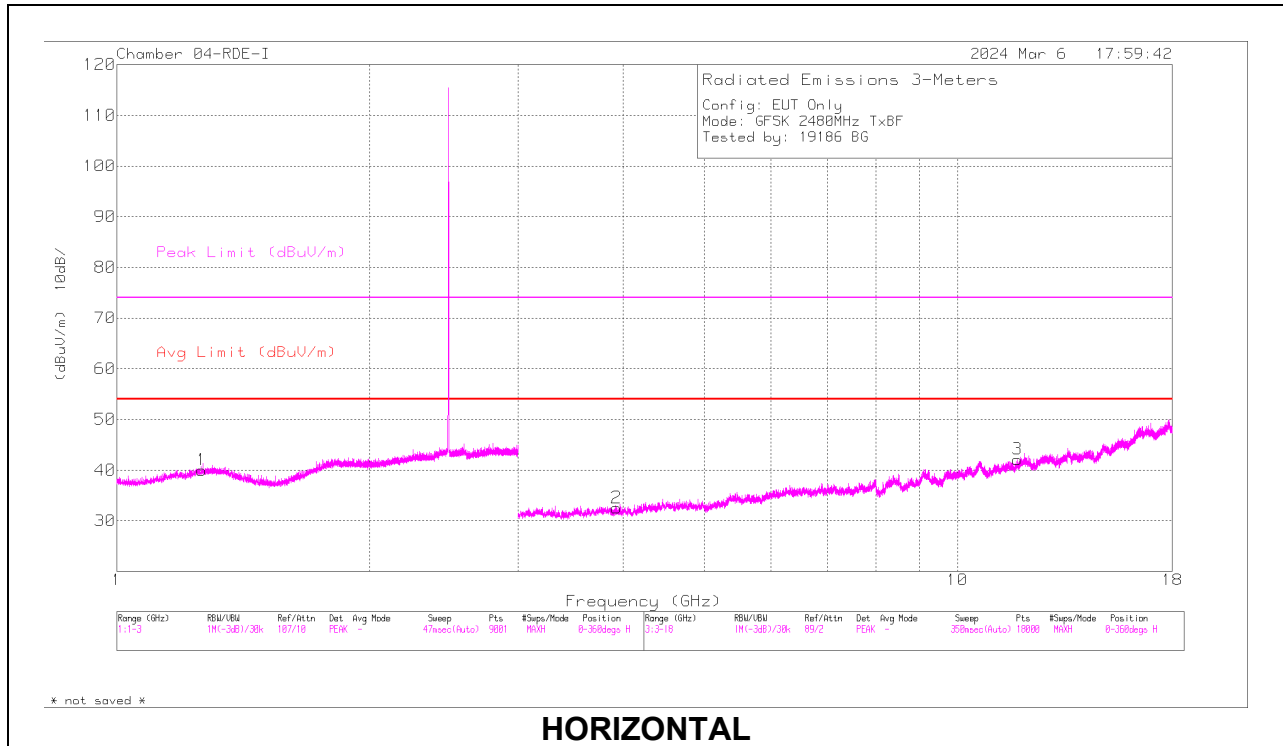


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	80402 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.327441	57.27	PKFH	29.2	-36.9	49.57	-	-	74	-24.43	269	150	H
	* 1.327209	44.05	VA1T	29.2	-36.9	36.35	54	-17.65	-	-	269	150	H
4	* 1.32952	57.01	PKFH	29.2	-36.85	49.36	-	-	74	-24.64	315	338	V
	* 1.327508	44.16	VA1T	29.2	-36.9	36.46	54	-17.54	-	-	315	338	V
5	* 3.799796	54.6	PKFH	33.6	-44.8	43.4	-	-	74	-30.6	256	381	V
	* 3.799055	40.78	VA1T	33.6	-44.8	29.58	54	-24.42	-	-	256	381	V
2	* 3.828828	54.64	PKFH	33.6	-44.52	43.72	-	-	74	-30.28	247	143	H
	* 3.828602	40.73	VA1T	33.6	-44.54	29.79	54	-24.21	-	-	247	143	H
6	10.120177	51.86	PKFH	38.4	-39.98	50.28	-	-	-	-	107	212	V
	10.120845	38.52	VA1T	38.4	-39.92	37	-	-	-	-	107	212	V
3	10.143741	52.39	PKFH	38.5	-40.2	50.69	-	-	-	-	169	398	H
	10.142198	38.66	VA1T	38.5	-40.12	37.04	-	-	-	-	169	398	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

HIGH CHANNEL RESULTS



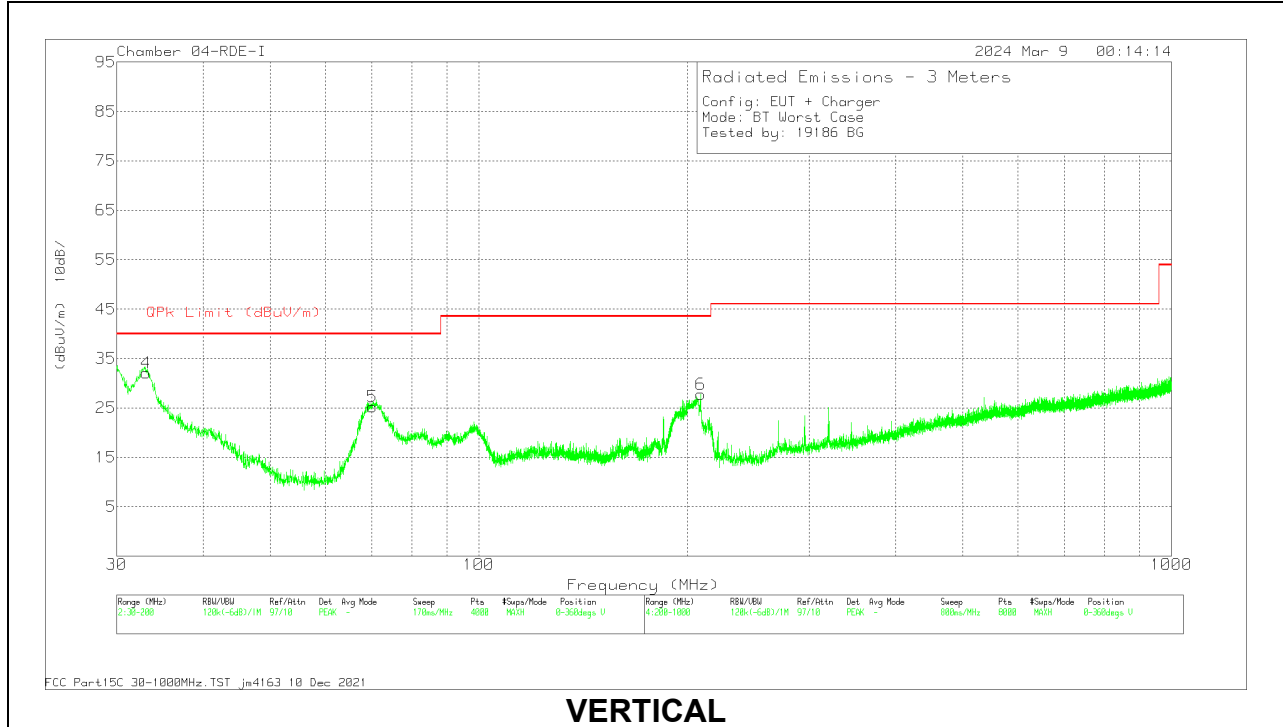
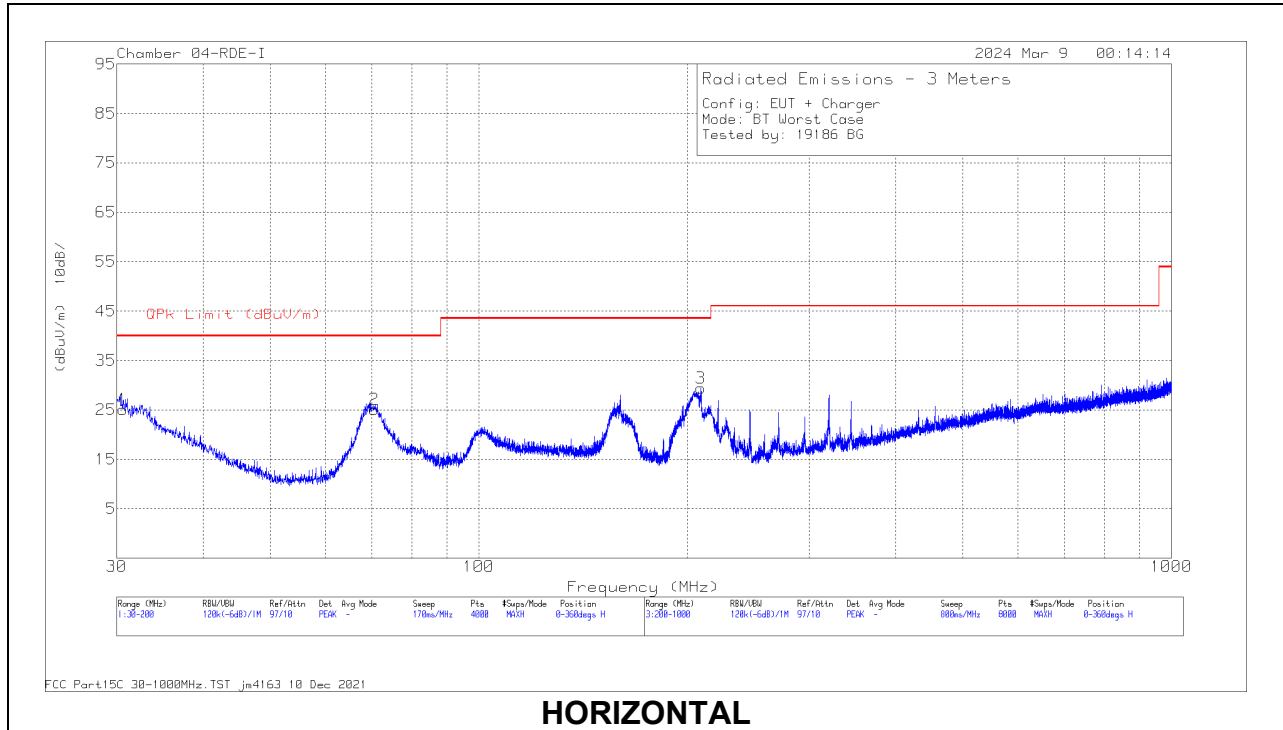
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.26206	40.41	PKFH	28.6	-20.4	48.61	-	-	74	-25.39	103	116	H
	* 1.262327	27.36	VA1T	28.6	-20.4	35.56	54	-18.44	-	-	103	116	H
4	* 1.265483	40.65	PKFH	28.6	-20.4	48.85	-	-	74	-25.15	242	365	V
	* 1.263902	27.4	VA1T	28.6	-20.4	35.6	54	-18.4	-	-	242	365	V
2	* 3.930281	36.7	PKFH	33.2	-28.5	41.4	-	-	74	-32.6	111	191	H
	* 3.92913	22.87	VA1T	33.2	-28.5	27.57	54	-26.43	-	-	111	191	H
3	* 11.78181	31.88	PKFH	38.4	-20.5	49.78	-	-	74	-24.22	88	198	H
	* 11.78077	18.67	VA1T	38.4	-20.5	36.57	54	-17.43	-	-	88	198	H
5	* 3.943665	36.1	PKFH	33.2	-28.6	40.7	-	-	74	-33.3	152	173	V
	* 3.943321	22.9	VA1T	33.2	-28.6	27.5	54	-26.5	-	-	152	173	V
6	* 11.71615	31.49	PKFH	38.3	-20.8	48.99	-	-	74	-25.01	76	207	V
	* 11.71582	18.59	VA1T	38.3	-20.8	36.09	54	-17.91	-	-	76	207	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PKFH FHSS/BT RB=100k for Frequencies<1GHz / RB=1MHz for Frequencies>1GHz, VB=3 x RB, Peak
 VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.2. WORST CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



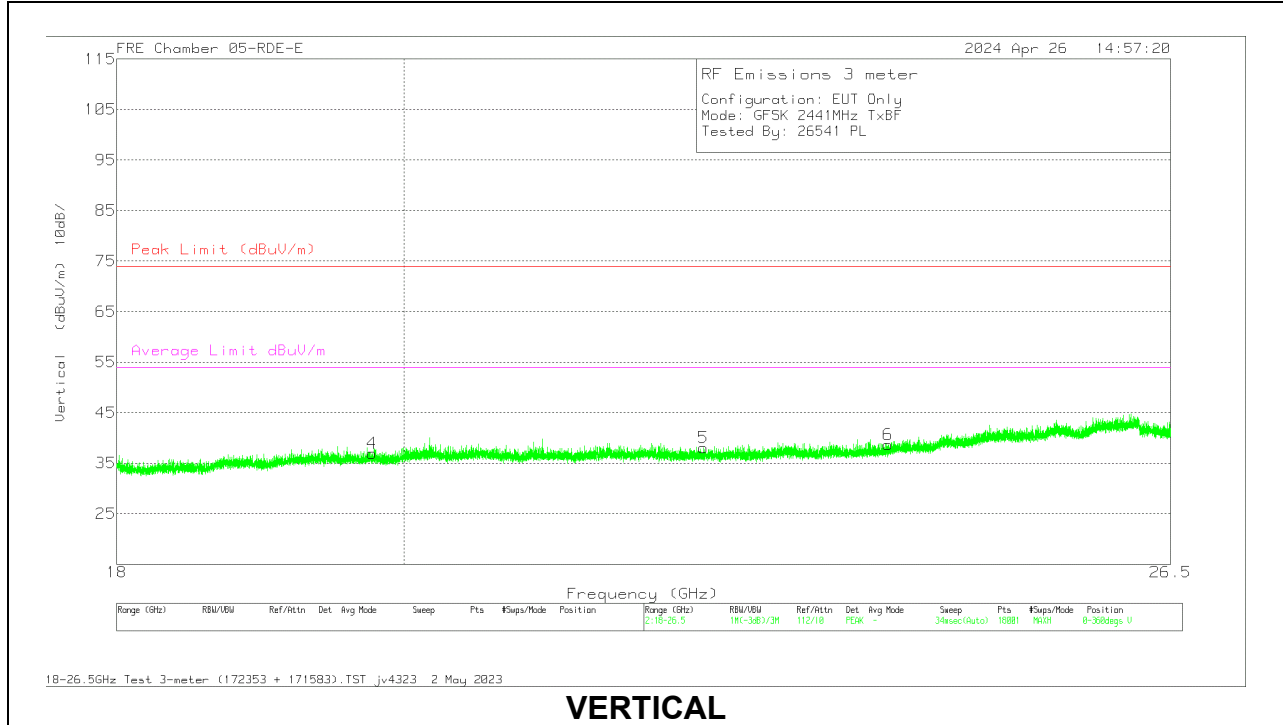
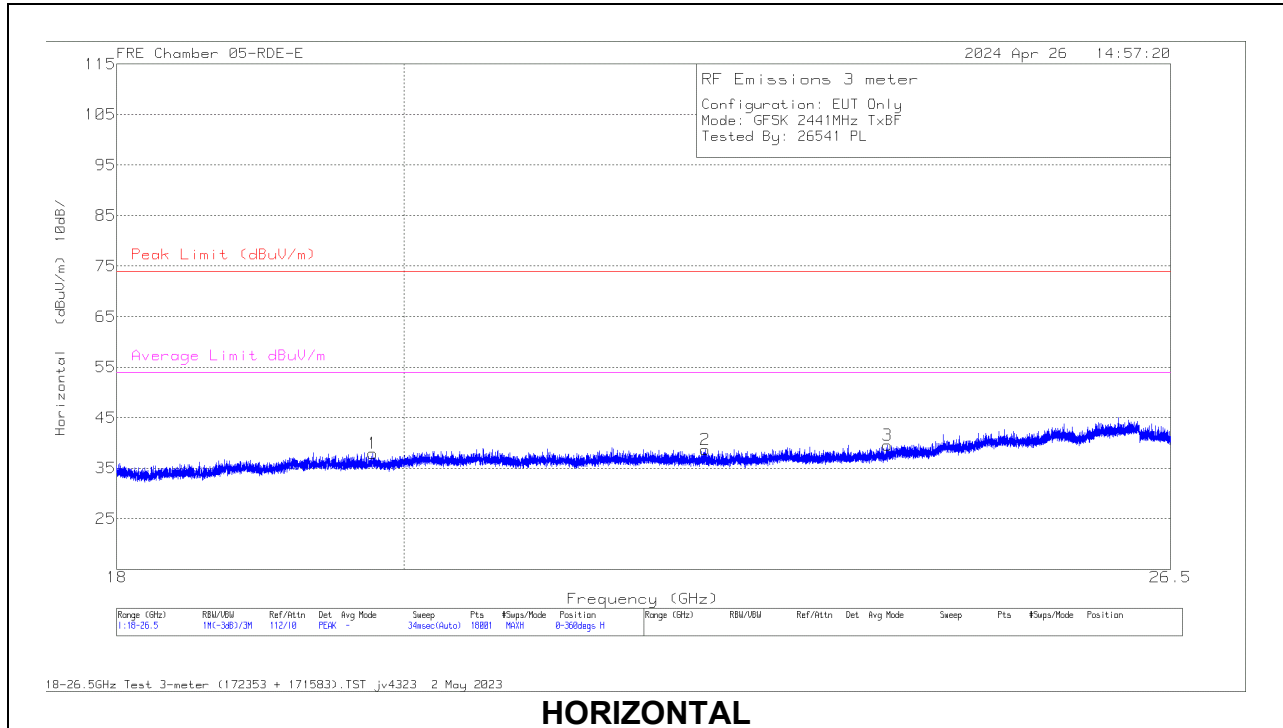
Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80714 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.6377	29.24	Pk	27.2	-31.3	25.14	40	-14.86	0-360	199	H
4	33.0608	37.62	Pk	25.6	-31.2	32.02	40	-7.98	0-360	101	V
5	70.1729	41.42	Pk	14.7	-30.9	25.22	40	-14.78	0-360	101	V
2	70.6405	41.34	Pk	14.7	-30.9	25.14	40	-14.86	0-360	199	H
3	209.201	43.26	Pk	16.3	-30.1	29.46	43.52	-14.06	0-360	101	H
6	209.201	41.58	Pk	16.3	-30.1	27.78	43.52	-15.74	0-360	101	V

Pk - Peak detector

10.3. WORST CASE 18-26 GHz

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



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBUv)	Det	172353 ACF (dB/m)	171583 Amp Assembly (dB)	CBL (dB)	Corrected Reading (dBUv/m)	Peak Limit (dBUv/m)	PK Margin (dB)	Average Limit (dBUv/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.77508	47.02	Pk	33	-65	22.9	37.92	74	-36.08	54	-16.08	0-360	199	H
2	* 22.33972	45.95	Pk	33.8	-65.6	24.5	38.65	74	-35.35	54	-15.35	0-360	199	H
3	* 23.88577	45.3	Pk	34.1	-65.3	25.4	39.5	74	-34.5	54	-14.5	0-360	199	H
4	* 19.76941	46.01	Pk	33	-65	22.9	36.91	74	-37.09	54	-17.09	0-360	199	V
5	* 22.32366	45.32	Pk	33.8	-65.6	24.5	38.02	74	-35.98	54	-15.98	0-360	101	V
6	* 23.89096	44.43	Pk	34.1	-65.3	25.4	38.63	74	-35.37	54	-15.37	0-360	101	V

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

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	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.

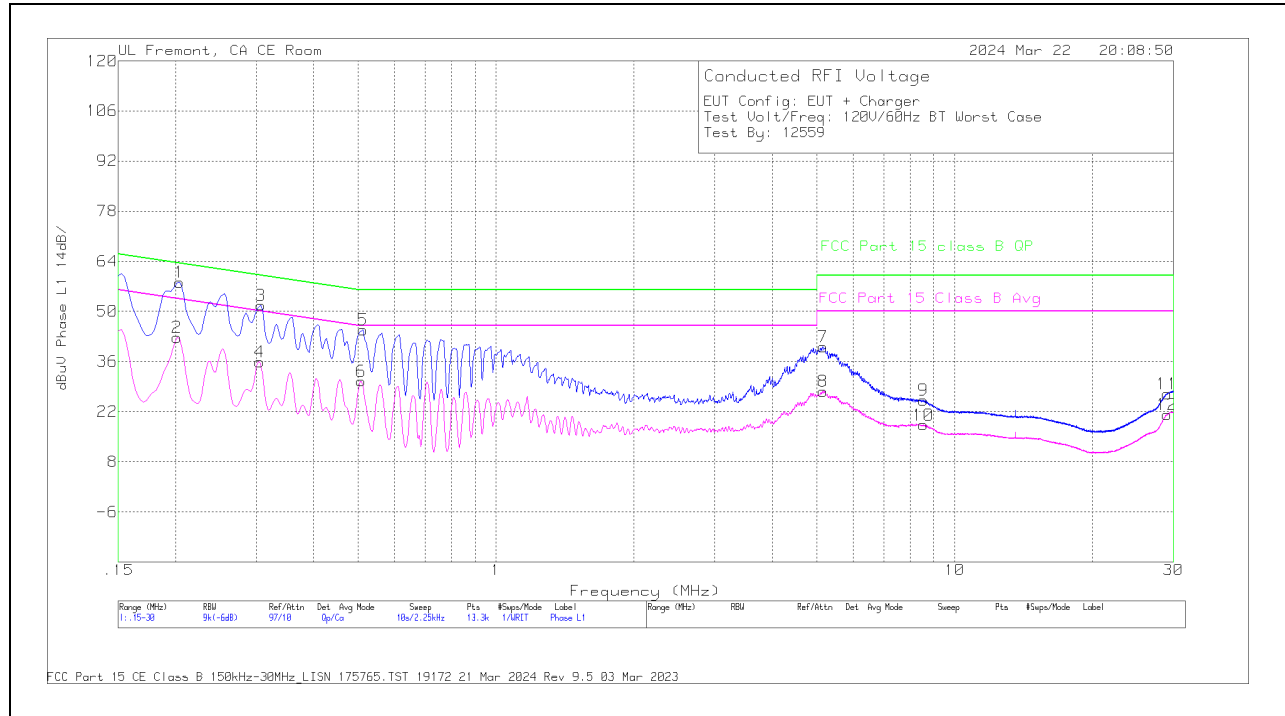
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. AC POWER LINE WITH AC/DC ADAPTER

LINE 1 RESULTS

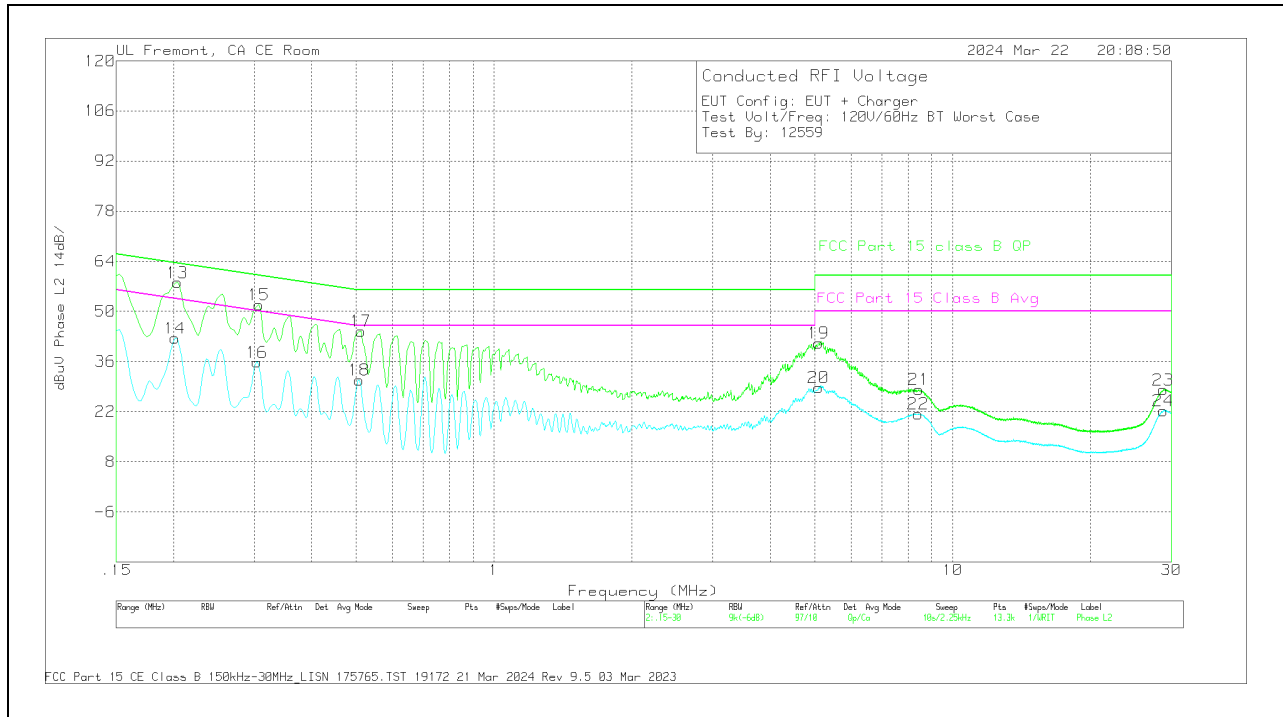


DATA

Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.2018	23.16	Ca	.1	0	9.4	10	42.66	53.54	-10.88	-	-
4	.3053	16.44	Ca	.1	0	9.4	10	35.94	50.1	-14.16	-	-
6	.5078	11.24	Ca	0	0	9.3	10	30.54	46	-15.46	-	-
8	5.1608	8.22	Ca	.1	0	9.4	10	27.72	50	-22.28	-	-
10	8.556	-1.32	Ca	.2	0	9.4	10	18.28	50	-31.72	-	-
12	29.085	1.14	Ca	.3	.3	9.4	10	21.14	50	-28.86	-	-
1	.204	38.65	Qp	.1	0	9.4	10	58.15	-	-	63.45	-5.3
3	.3075	32.24	Qp	.1	0	9.4	10	51.74	-	-	60.04	-8.3
5	.5123	25.49	Qp	0	0	9.3	10	44.79	-	-	56	-11.21
7	5.1608	20.6	Qp	.1	0	9.4	10	40.1	-	-	60	-19.9
9	8.5538	5.66	Qp	.2	0	9.4	10	25.26	-	-	60	-34.74
11	29.0805	7	Qp	.3	.3	9.4	10	27	-	-	60	-33

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



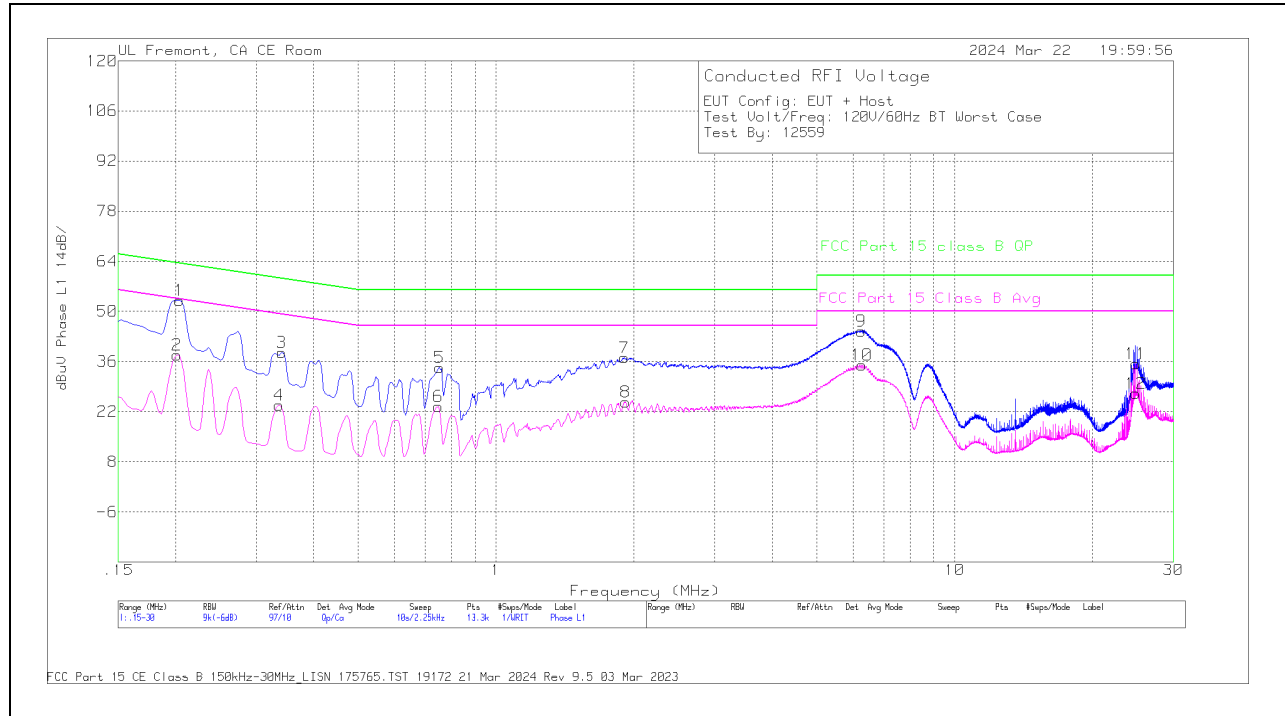
DATA

Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
14	.2018	22.98	Ca	.1	0	9.4	10	42.48	53.54	-11.06	-	-
16	.3041	16.3	Ca	.1	0	9.4	10	35.8	50.13	-14.33	-	-
18	.5078	11.55	Ca	0	0	9.3	10	30.85	46	-15.15	-	-
20	5.1056	9.19	Ca	.1	0	9.4	10	28.69	50	-21.31	-	-
22	8.4233	1.78	Ca	.2	0	9.4	10	21.38	50	-28.62	-	-
24	28.815	2.21	Ca	.3	.2	9.5	10	22.21	50	-27.79	-	-
13	.204	38.56	Qp	.1	0	9.4	10	58.06	-	-	63.45	-5.39
15	.3075	32.28	Qp	.1	0	9.4	10	51.78	-	-	60.04	-8.26
17	.5123	25.21	Qp	0	0	9.3	10	44.51	-	-	56	-11.49
19	5.1	21.7	Qp	.1	0	9.4	10	41.2	-	-	60	-18.8
21	8.43	8.61	Qp	.2	0	9.4	10	28.21	-	-	60	-31.79
23	28.7835	8.09	Qp	.3	.2	9.5	10	28.09	-	-	60	-31.91

Qp - Quasi-Peak detector
 Ca - CISPR average detection

11.2. AC POWER LINE WITH LAPTOP

LINE 1 RESULTS

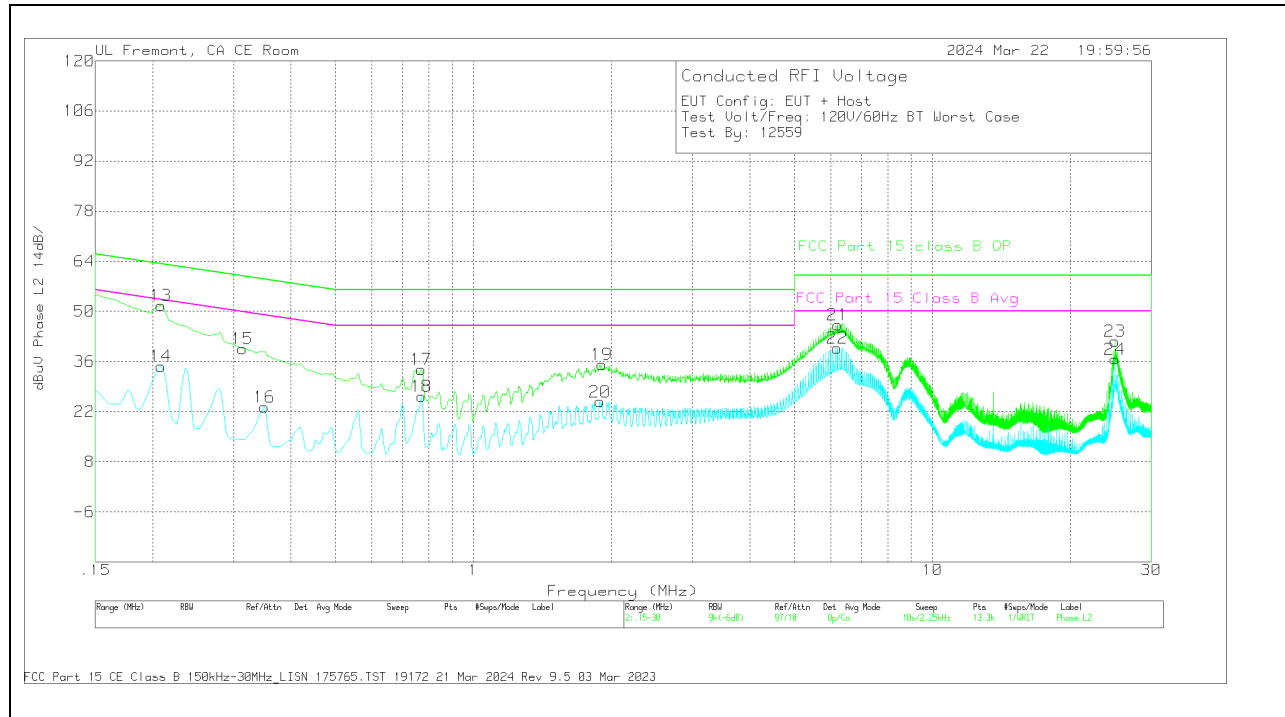


DATA

Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
2	.2018	18.34	Ca	.1	0	9.4	10	37.84	53.54	-15.7	-	-
4	.3368	4.35	Ca	0	0	9.4	10	23.75	49.28	-25.53	-	-
6	.7485	3.93	Ca	.1	0	9.4	10	23.43	46	-22.57	-	-
8	1.9163	5.42	Ca	0	0	9.3	10	24.72	46	-21.28	-	-
10	6.2779	15.46	Ca	.2	0	9.3	10	34.96	50	-15.04	-	-
12	24.8258	7.16	Ca	.3	.2	9.4	10	27.06	50	-22.94	-	-
1	.204	33.62	Qp	.1	0	9.4	10	53.12	-	-	63.45	-10.33
3	.3413	19.13	Qp	0	0	9.4	10	38.53	-	-	59.17	-20.64
5	.753	14.84	Qp	.1	0	9.4	10	34.34	-	-	56	-21.66
7	1.905	17.74	Qp	0	0	9.3	10	37.04	-	-	56	-18.96
9	6.2543	24.92	Qp	.2	0	9.4	10	44.52	-	-	60	-15.48
11	24.8235	15.36	Qp	.3	.2	9.5	10	35.36	-	-	60	-24.64

Qp - Quasi-Peak detector
 Ca - CISPR average detection

LINE 2 RESULTS



DATA

Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading (dBuV)	FCC Part 15 Class B Avg (dBuV)	Margin (dB)	FCC Part 15 class B QP (dBuV)	Margin (dB)
14	.2085	15.14	Ca	.1	0	9.4	10	34.64	53.26	-18.62	-	-
16	.3503	3.76	Ca	.1	0	9.4	10	23.26	48.96	-25.7	-	-
18	.771	6.81	Ca	0	0	9.4	10	26.21	46	-19.79	-	-
20	1.8848	5.36	Ca	.1	0	9.3	10	24.76	46	-21.24	-	-
22	6.2093	20.25	Ca	.1	0	9.4	10	39.75	50	-10.25	-	-
24	24.9855	16.77	Ca	.3	.2	9.4	10	36.67	50	-13.33	-	-
13	.2085	32.1	Qp	.1	0	9.4	10	51.6	-	-	63.26	-11.66
15	.3143	20.11	Qp	.1	0	9.4	10	39.61	-	-	59.86	-20.25
17	.7688	14.32	Qp	0	0	9.4	10	33.72	-	-	56	-22.28
19	1.905	15.77	Qp	.1	0	9.3	10	35.17	-	-	56	-20.83
21	6.2115	26.68	Qp	.1	0	9.4	10	46.18	-	-	60	-13.82
23	24.9855	21.79	Qp	.3	.2	9.4	10	41.69	-	-	60	-18.31

Qp - Quasi-Peak detector
 Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14982484-EP1V1 for setup photos

END OF TEST REPORT