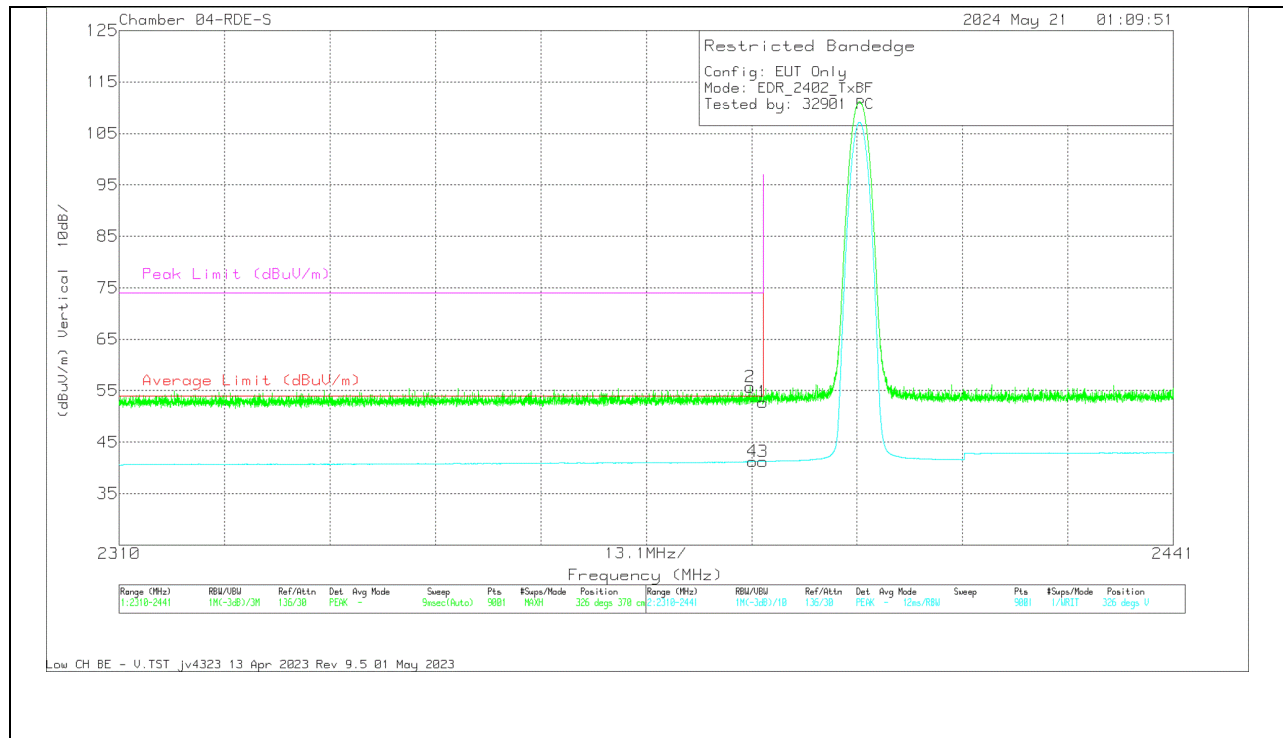


VERTICAL RESULT

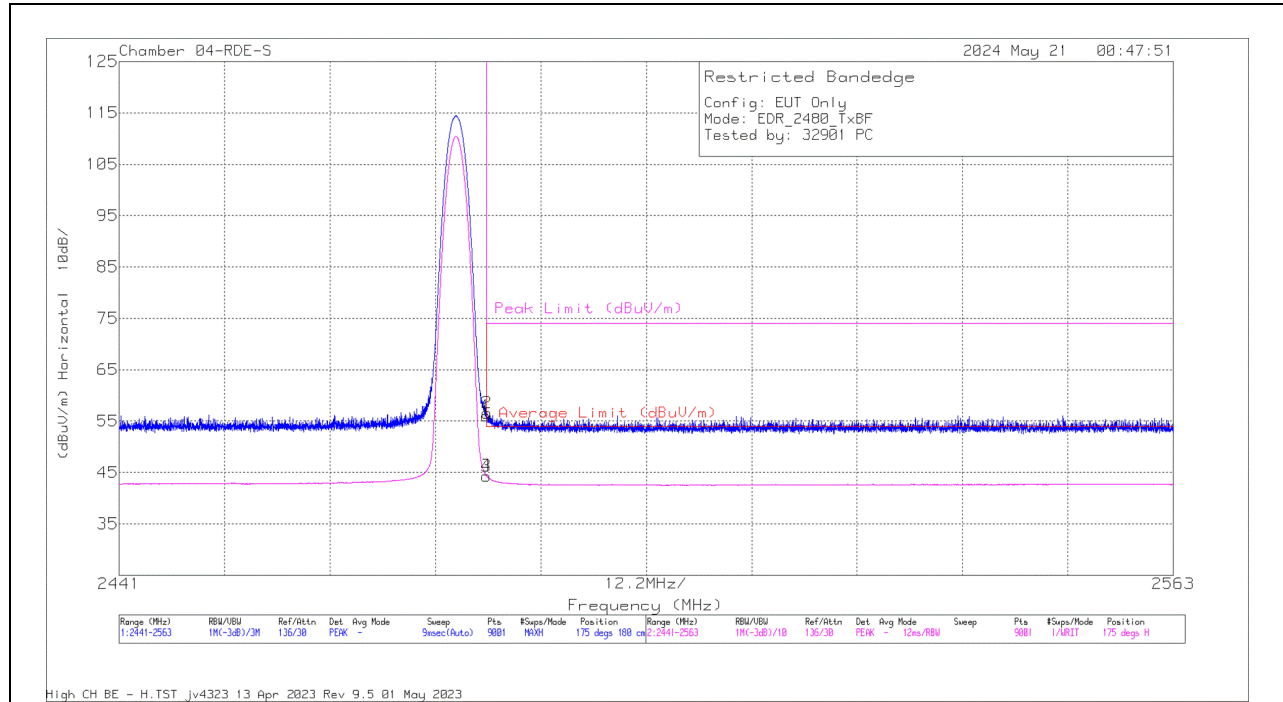


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2388.384	63.39	Pk	32.3	-39.95	55.74	-	-	74	-18.26	326	370	V
4	*2388.733	48.92	VA1T	32.3	-39.95	41.27	54	-12.73	-	-	326	370	V
1	*2390	60.44	Pk	32.3	-39.95	52.79	-	-	74	-21.21	326	370	V
3	*2390	48.88	VA1T	32.3	-39.95	41.23	54	-12.77	-	-	326	370	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

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

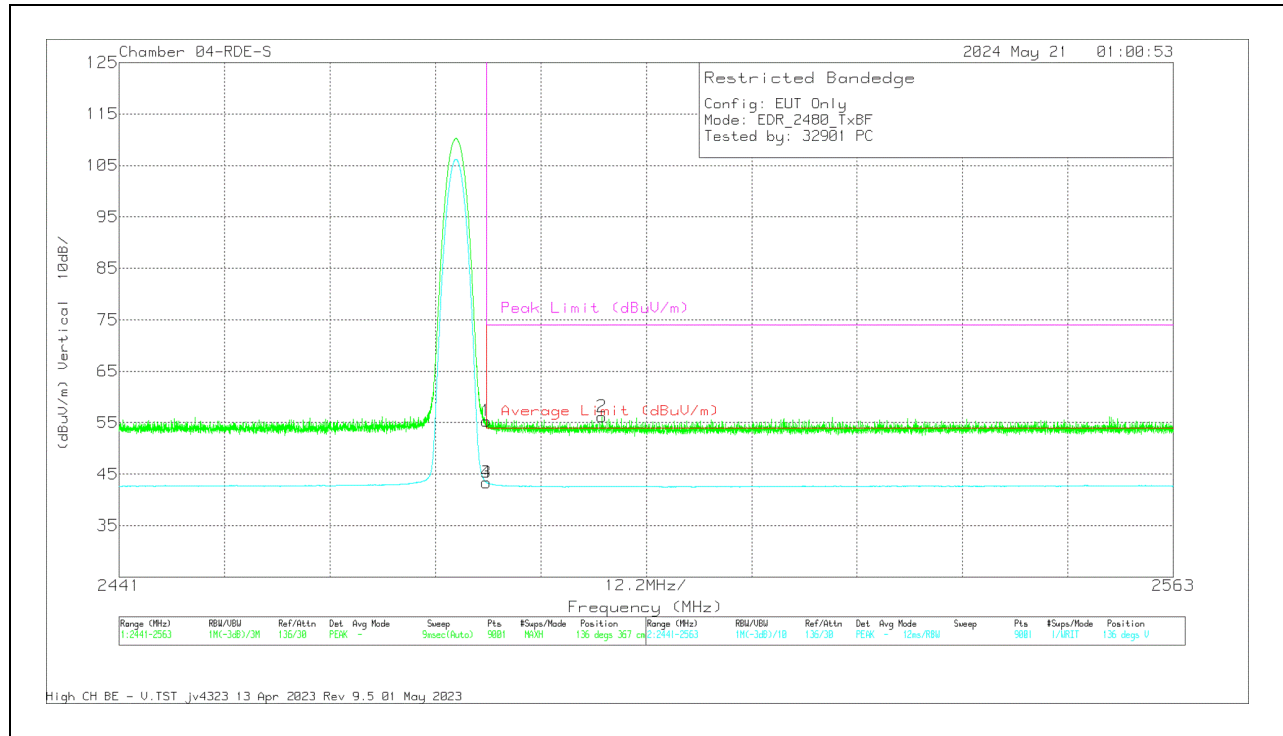
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	63.29	Pk	32.4	-39.69	56	-	-	74	-18	175	180	H
3	*2483.5	51.61	VA1T	32.4	-39.69	44.32	54	-9.68	-	-	175	180	H
4	*2483.512	51.59	VA1T	32.4	-39.69	44.3	54	-9.7	-	-	175	180	H
2	*2483.552	63.88	Pk	32.4	-39.69	56.59	-	-	74	-17.41	175	180	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

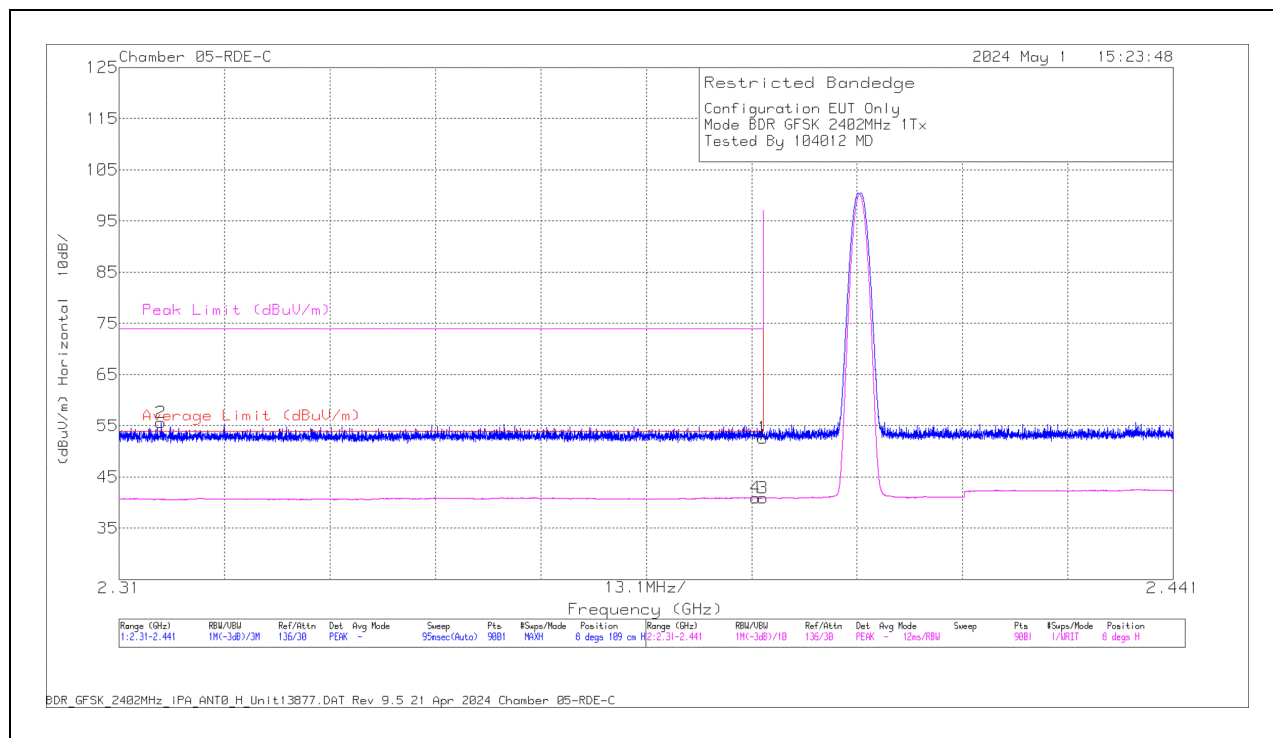


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	200784 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	62.65	Pk	32.4	-39.69	55.36	-	-	74	-18.64	136	367	V
3	*2483.5	50.69	VA1T	32.4	-39.69	43.4	54	-10.6	-	-	136	367	V
4	*2483.512	50.68	VA1T	32.4	-39.69	43.39	54	-10.61	-	-	136	367	V
2	*2496.864	63.49	Pk	32.4	-39.71	56.18	-	-	74	-17.82	136	367	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

10.1.5. LOW POWER BASIC DATA RATE GFSK MODULATION**ANT 4****BANDEDGE (LOW CHANNEL)****HORIZONTAL**

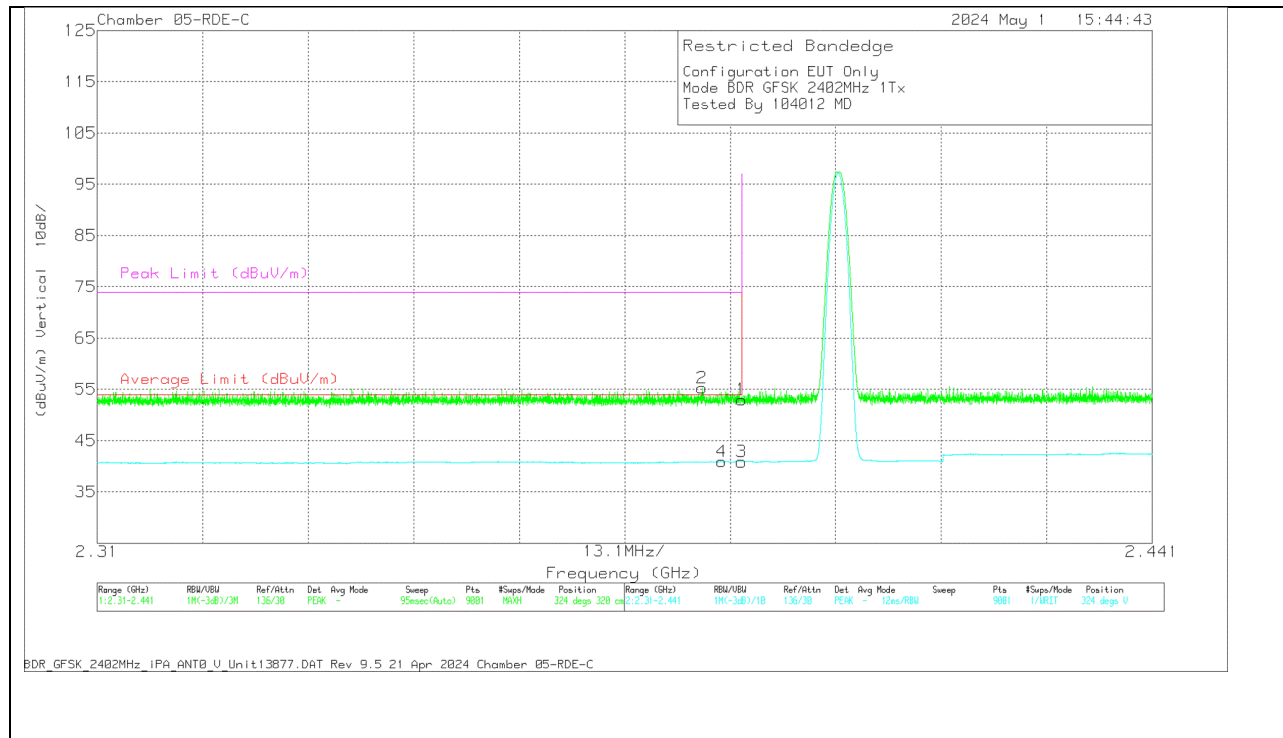
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.02	Pk	32.1	-40.5	52.62	-	-	74	-21.38	8	109	H
2	* 2.315182	64.14	Pk	31.8	-40.32	55.62	-	-	74	-18.38	8	109	H
3	* 2.39	49.3	VA1T	32.1	-40.5	40.9	54	-13.1	-	-	8	109	H
4	* 2.389112	49.33	VA1T	32.1	-40.5	40.93	54	-13.07	-	-	8	109	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	81887 ACF 3m (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	* 2.385094	63.67	Pk	32.1	-40.5	55.27	-	-	74	-18.73	324	320	V
4	* 2.38754	49.32	VA1T	32.1	-40.5	40.92	54	-13.08	-	-	324	320	V
1	* 2.39	61.37	Pk	32.1	-40.5	52.97	-	-	74	-21.03	324	320	V
3	* 2.39	49.28	VA1T	32.1	-40.5	40.88	54	-13.12	-	-	324	320	V

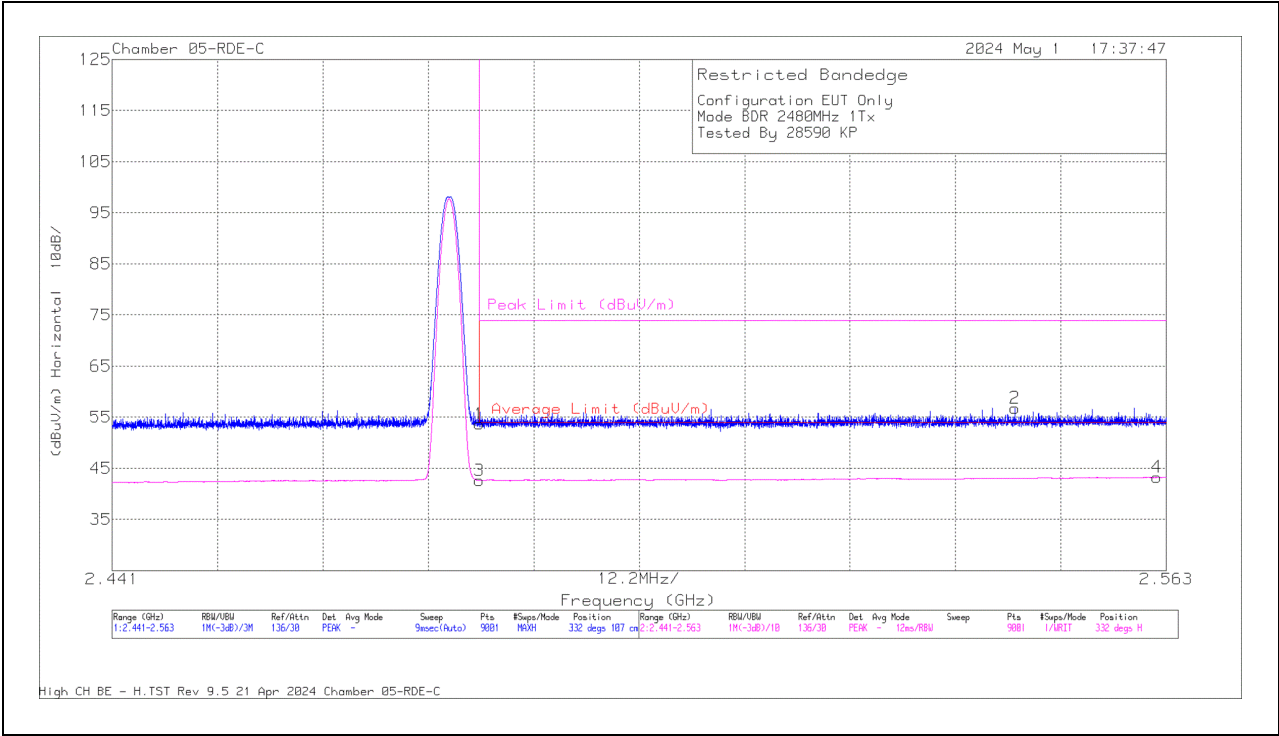
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

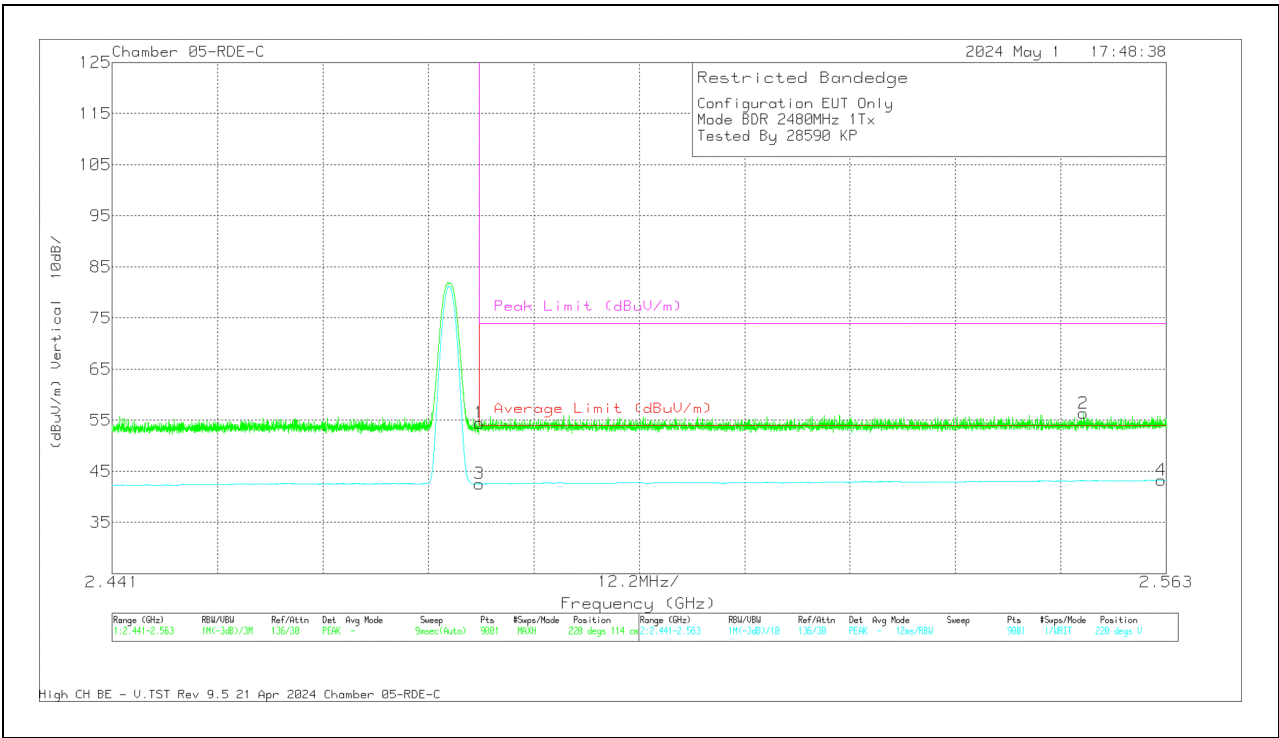
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.73	Pk	32.4	-40.45	53.68	-	-	74	-20.32	332	107	H
3	*2.4835	50.69	VA1T	32.4	-40.45	42.64	54	-11.36	-	-	332	107	H
2	*2.54549	64.47	Pk	32.6	-40.3	56.77	-	-	74	-17.23	332	107	H
4	*2.56192	50.87	VA1T	32.6	-40.2	43.27	54	-10.73	-	-	332	107	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



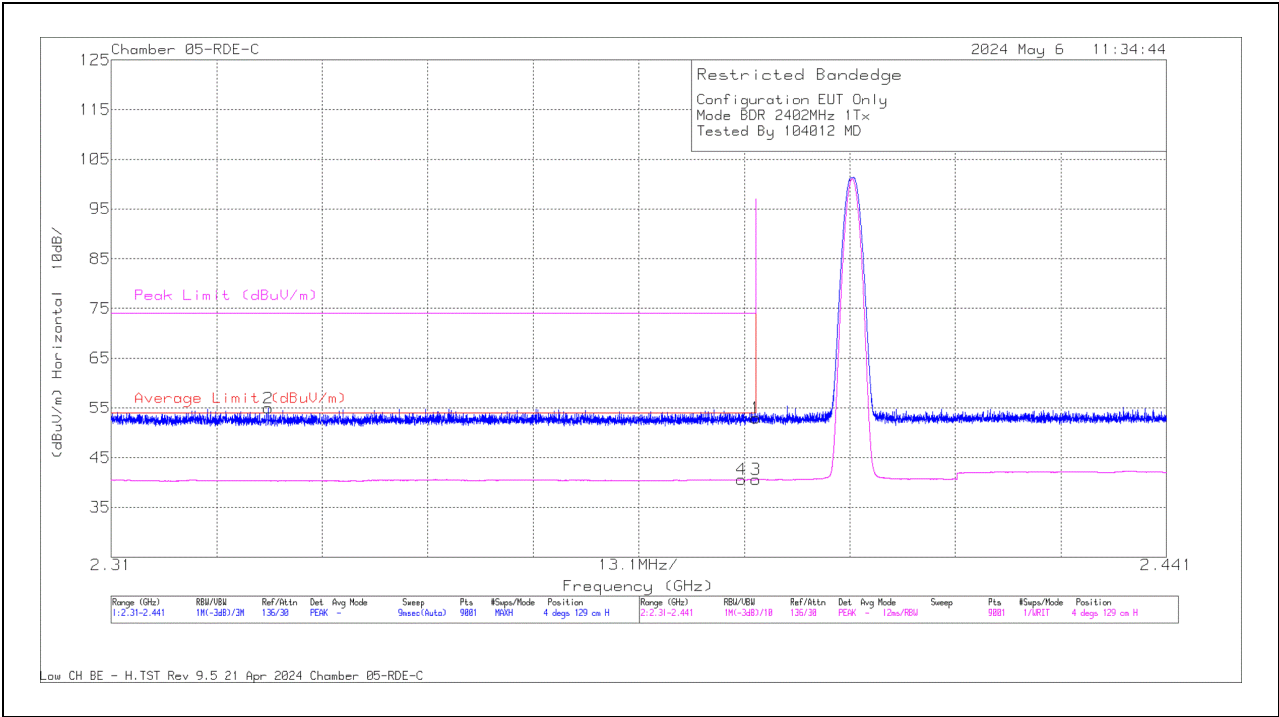
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	62.54	Pk	32.4	-40.45	54.49	-	-	74	-19.51	220	114	V
3	*2.4835	50.63	VA1T	32.4	-40.45	42.58	54	-11.42	-	-	220	114	V
2	*2.55342	63.97	Pk	32.6	-40.2	56.37	-	-	74	-17.63	220	114	V
4	*2.56240 8	50.88	VA1T	32.6	-40.2	43.28	54	-10.72	-	-	220	114	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



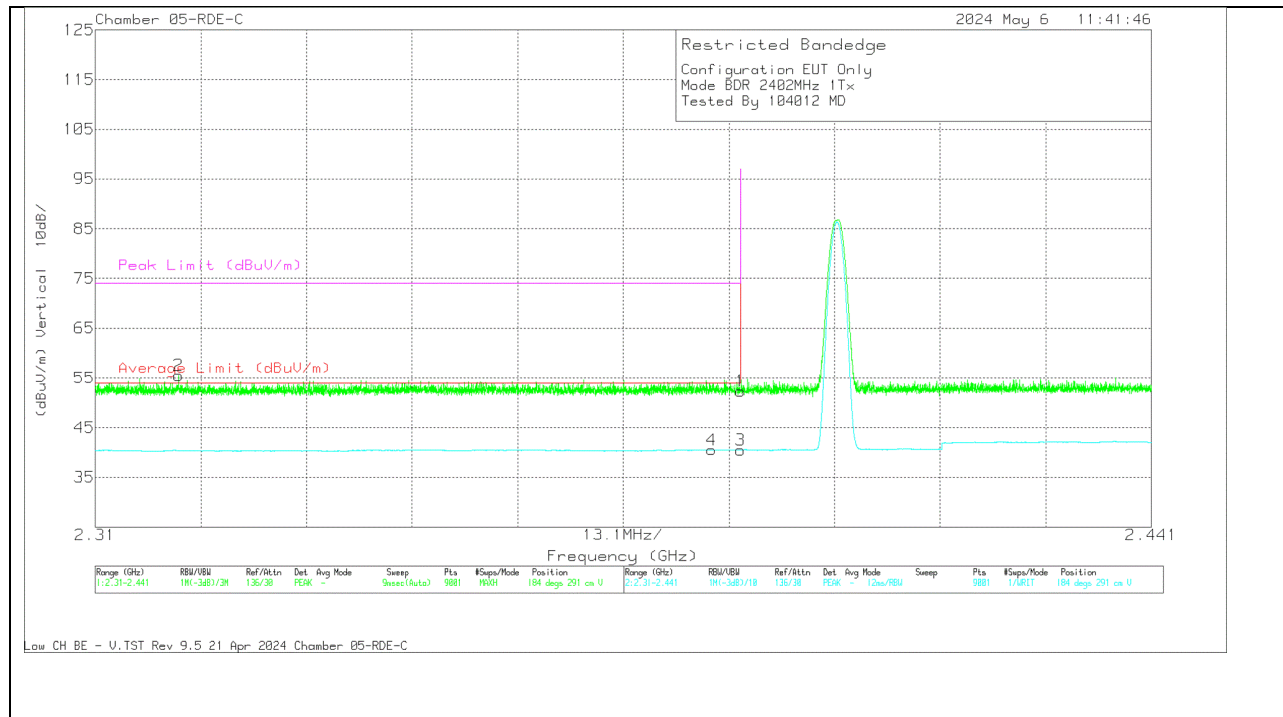
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.32952	63.44	Pk	31.9	-40.4	54.94	-	-	74	-19.06	4	129	H
4	*2.388268	49.03	VA1T	32.1	-40.5	40.63	54	-13.37	-	-	4	129	H
1	*2.39	61.36	Pk	32.1	-40.5	52.96	-	-	74	-21.04	4	129	H
3	*2.39	48.97	VA1T	32.1	-40.5	40.57	54	-13.43	-	-	4	129	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	81887 ACF 3m (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	*2.320335	63.94	Pk	31.9	-40.33	55.51	-	-	74	-18.49	184	291	V
4	*2.386492	48.95	VA1T	32.1	-40.5	40.55	54	-13.45	-	-	184	291	V
1	*2.39	60.78	Pk	32.1	-40.5	52.38	-	-	74	-21.62	184	291	V
3	*2.39	48.9	VA1T	32.1	-40.5	40.5	54	-13.5	-	-	184	291	V

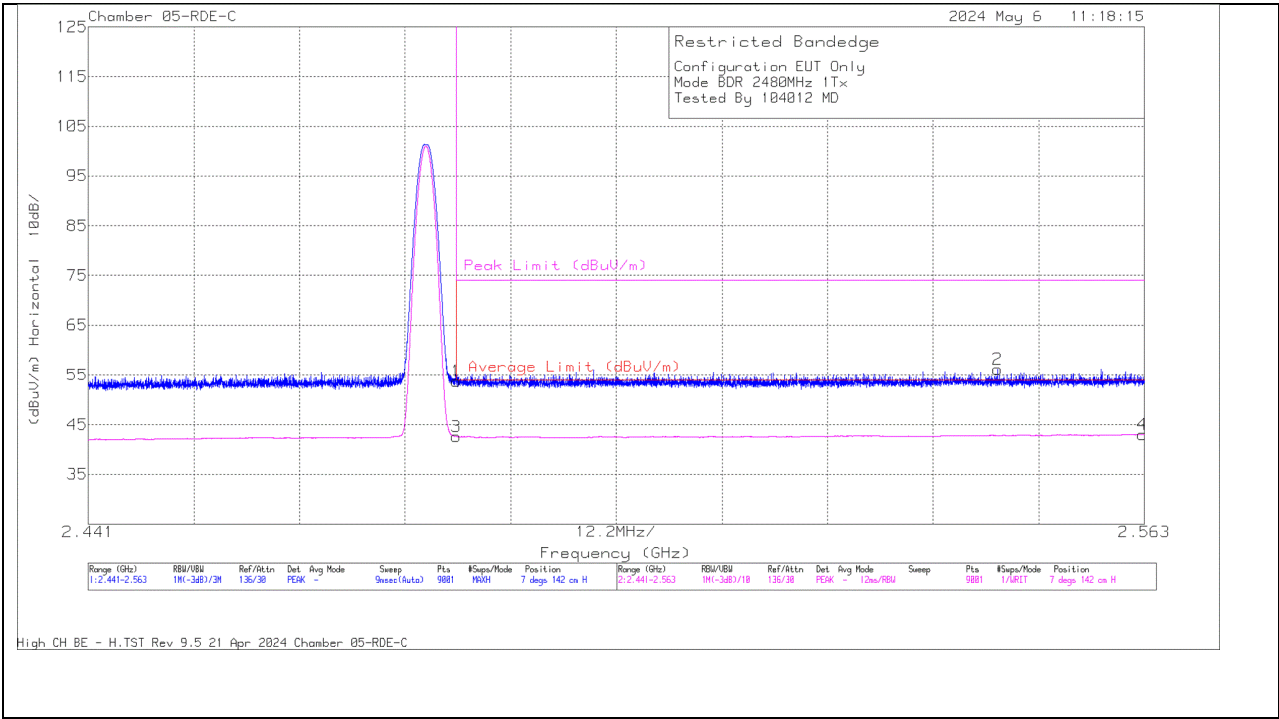
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

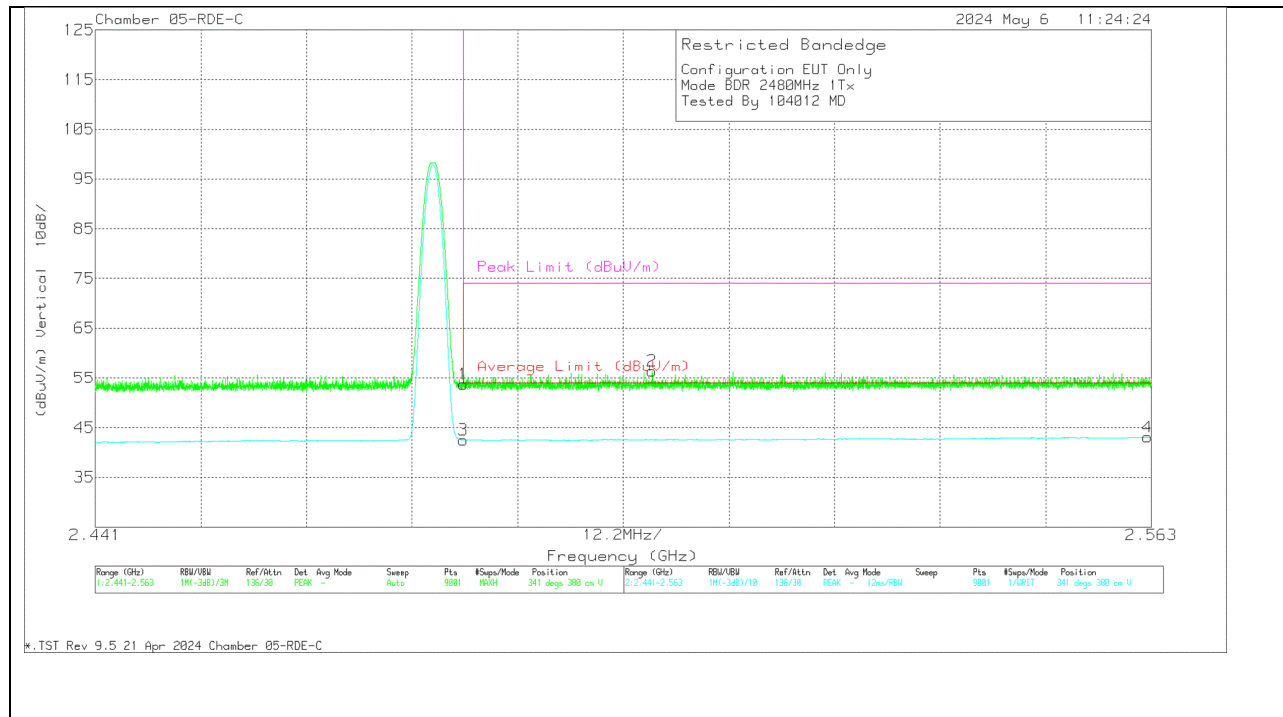
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.82	Pk	32.4	-40.45	53.77	-	-	74	-20.23	7	142	H
3	*2.4835	50.63	VA1T	32.4	-40.45	42.58	54	-11.42	-	-	7	142	H
2	*2.546018	63.86	Pk	32.6	-40.3	56.16	-	-	74	-17.84	7	142	H
4	*2.562787	50.63	VA1T	32.6	-40.2	43.03	54	-10.97	-	-	7	142	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	81887 ACF 3m (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	61.76	Pk	32.4	-40.45	53.71	-	-	74	-20.29	341	380	V
3	*2.4835	50.55	VA1T	32.4	-40.45	42.5	54	-11.5	-	-	341	380	V
2	*2.50535	64.3	Pk	32.5	-40.4	56.4	-	-	74	-17.6	341	380	V
4	*2.56253	50.68	VA1T	32.6	-40.2	43.08	54	-10.92	-	-	341	380	V

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

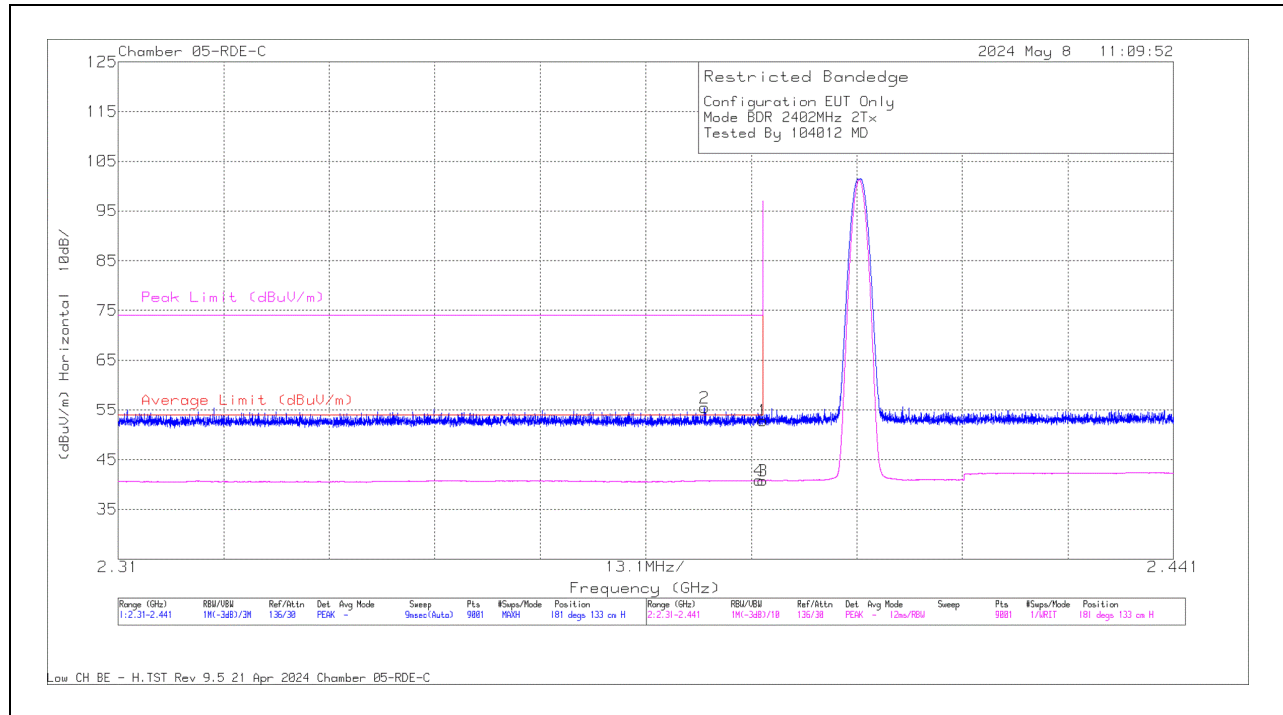
Pk - Peak detector

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

10.1.6. LOW POWER BASIC DATA RATE TXBF GFSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



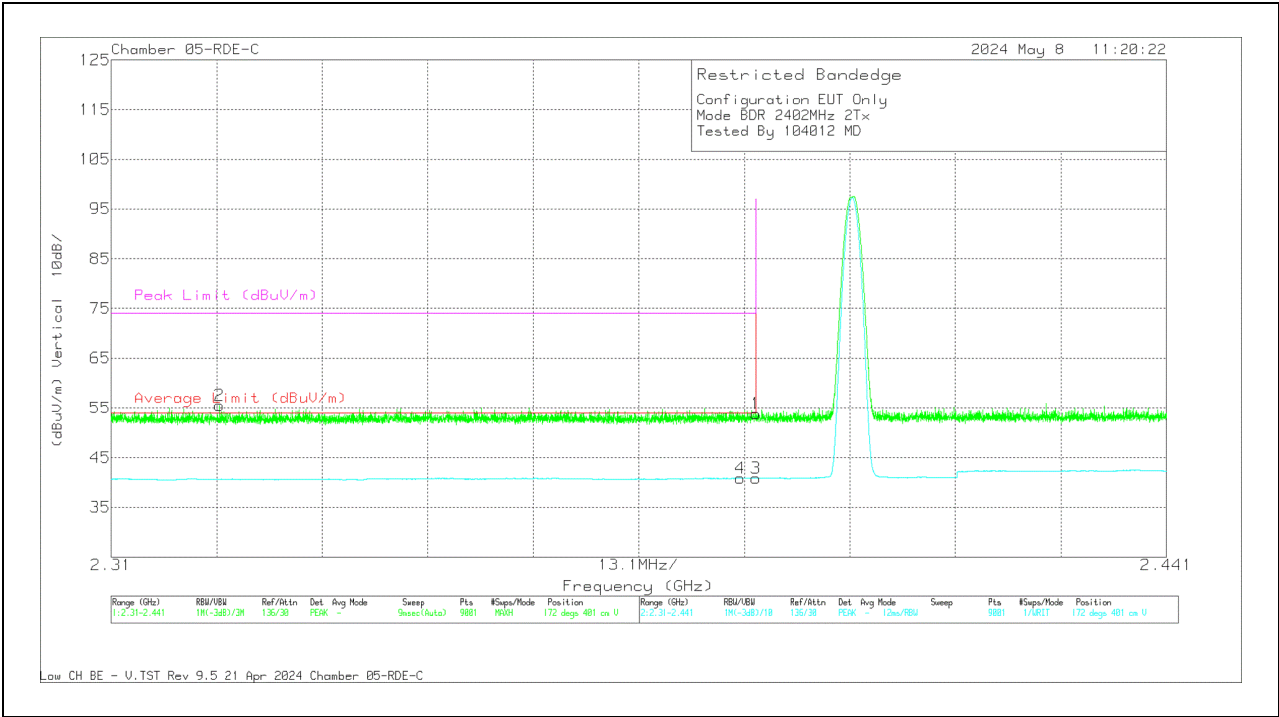
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.382765	63.84	Pk	32.1	-40.5	55.44	-	-	74	-18.56	181	133	H
4	*2.389534	49.21	VA1T	32.1	-40.5	40.81	54	-13.19	-	-	181	133	H
1	*2.39	61.24	Pk	32.1	-40.5	52.84	-	-	74	-21.16	181	133	H
3	*2.39	49.2	VA1T	32.1	-40.5	40.8	54	-13.2	-	-	181	133	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

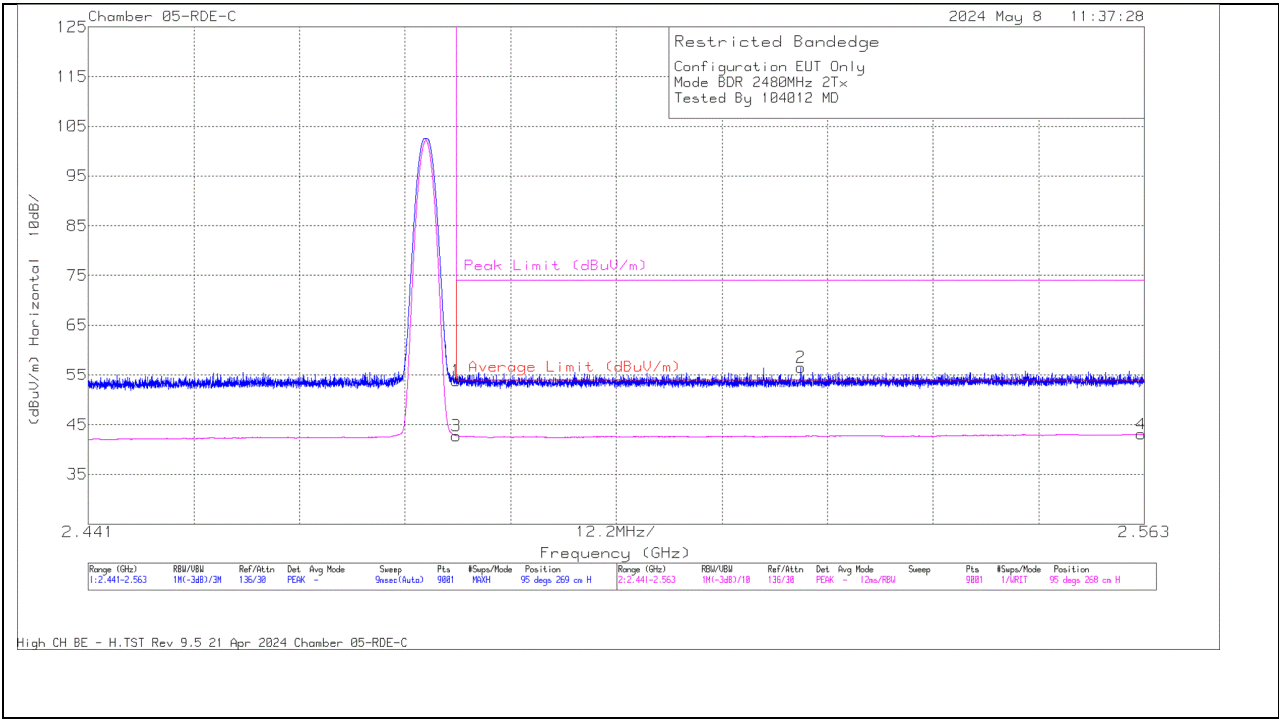


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.32345	63.96	Pk	31.9	-40.4	55.46	-	-	74	-18.54	172	401	V
4	*2.388108	49.3	VA1T	32.1	-40.5	40.9	54	-13.1	-	-	172	401	V
1	*2.39	62.22	Pk	32.1	-40.5	53.82	-	-	74	-20.18	172	401	V
3	*2.39	49.26	VA1T	32.1	-40.5	40.86	54	-13.14	-	-	172	401	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)

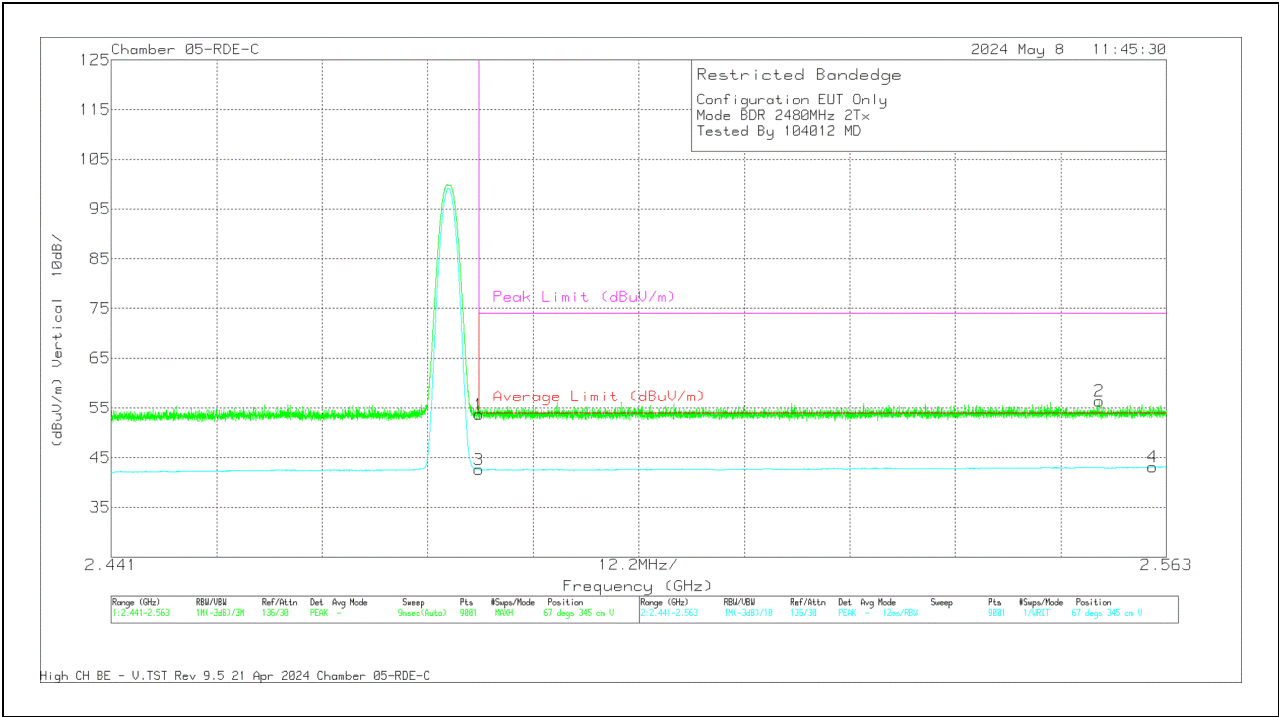
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.89	Pk	32.4	-40.45	53.84	-	-	74	-20.16	95	269	H
3	*2.4835	50.83	VA1T	32.4	-40.45	42.78	54	-11.22	-	-	95	268	H
2	*2.523326	64.26	Pk	32.5	-40.27	56.49	-	-	74	-17.51	95	269	H
4	*2.562624	50.68	VA1T	32.6	-40.2	43.08	54	-10.92	-	-	95	268	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	81887 ACF 3m (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	61.72	Pk	32.4	-40.45	53.67	-	-	74	-20.33	67	345	V
3	*2.4835	50.63	VA1T	32.4	-40.45	42.58	54	-11.42	-	-	67	345	V
2	*2.5525	64.03	Pk	32.6	-40.22	56.41	-	-	74	-17.59	67	345	V
4	*2.561377	50.74	VA1T	32.6	-40.2	43.14	54	-10.86	-	-	67	345	V

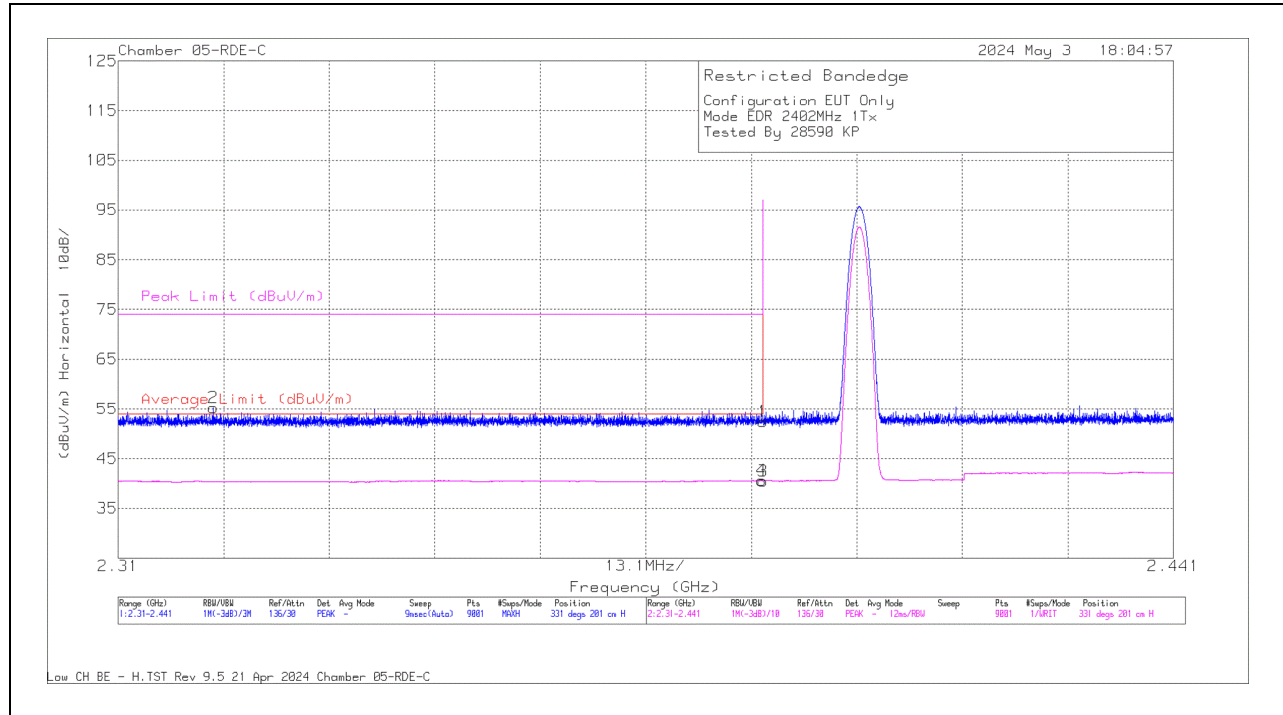
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average VB=1/Ton where: Ton is transmit duration

10.1.7. LOW POWER ENHANCED DATA RATE 8PSK MODULATION

ANT 4

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



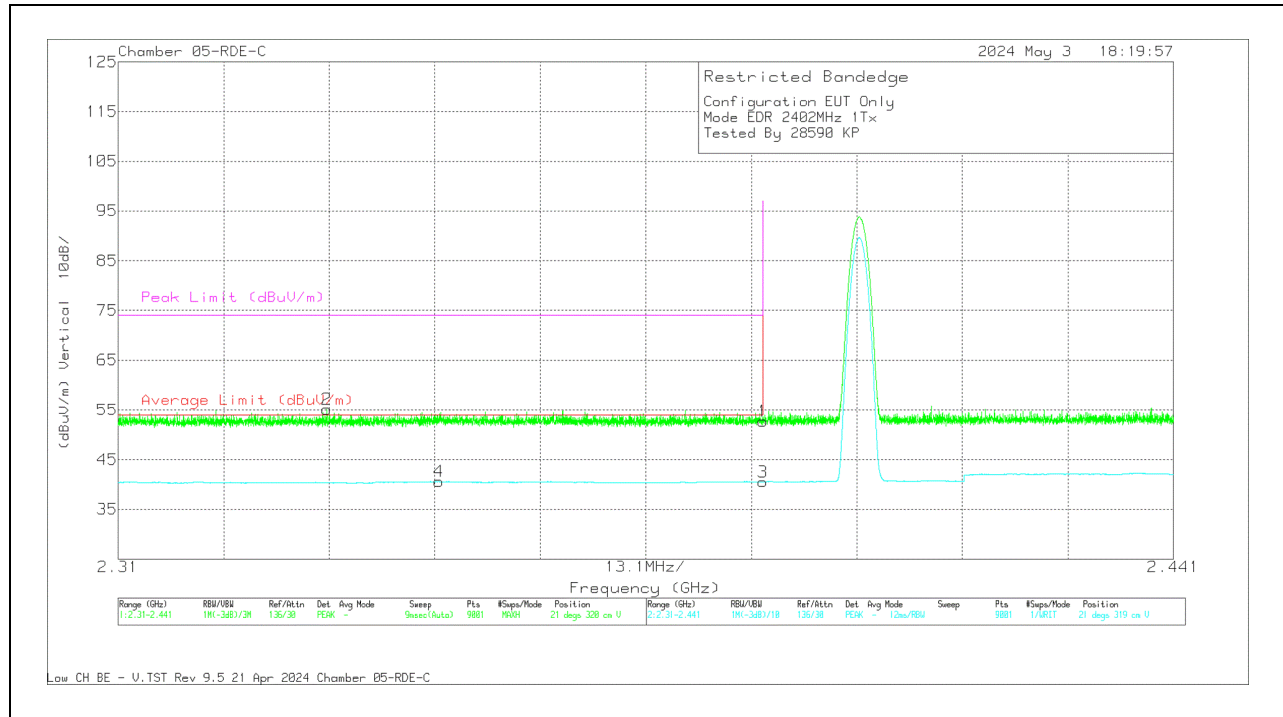
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.321834	63.75	Pk	31.9	-40.4	55.25	-	-	74	-18.75	331	201	H
4	*2.389869	48.99	VA1T	32.1	-40.5	40.59	54	-13.41	-	-	331	201	H
1	*2.39	60.9	Pk	32.1	-40.5	52.5	-	-	74	-21.5	331	201	H
3	*2.39	48.94	VA1T	32.1	-40.5	40.54	54	-13.46	-	-	331	201	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

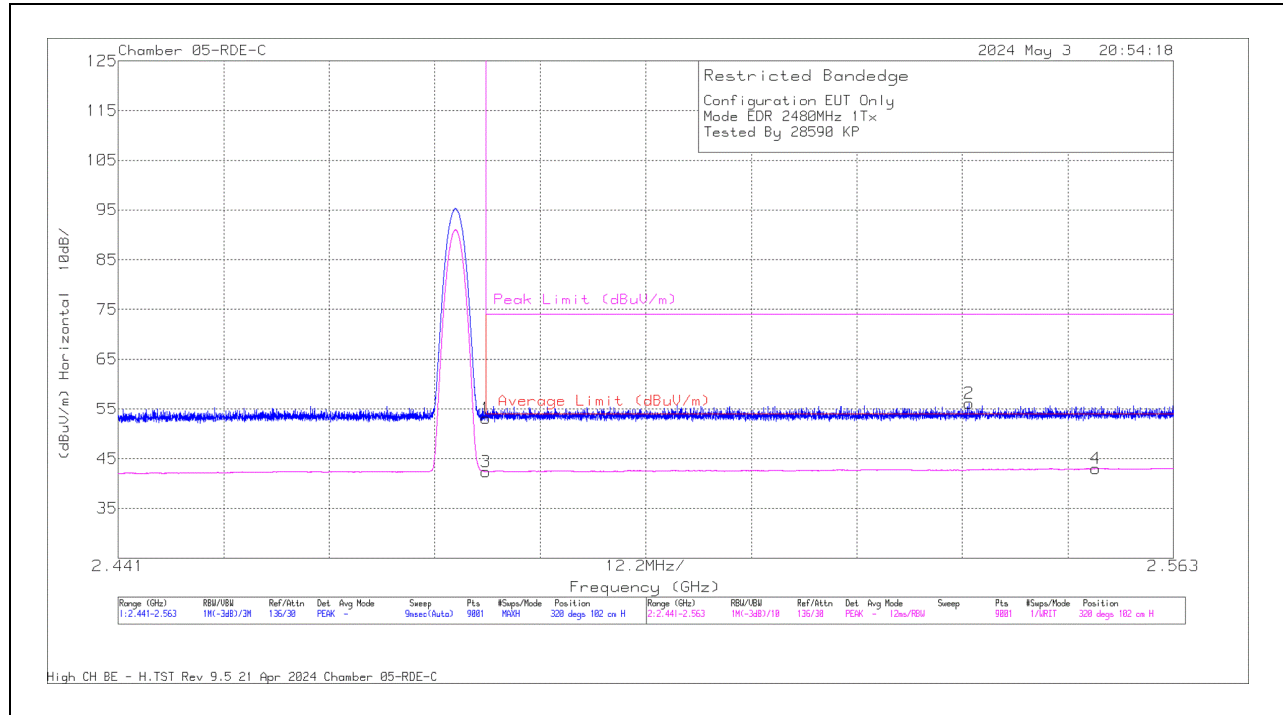


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.33591	63.64	Pk	31.9	-40.4	55.14	-	-	74	-18.86	21	320	V
4	*2.349825	48.88	VA1T	32	-40.3	40.58	54	-13.42	-	-	21	319	V
1	*2.39	61.16	Pk	32.1	-40.5	52.76	-	-	74	-21.24	21	320	V
3	*2.39	48.95	VA1T	32.1	-40.5	40.55	54	-13.45	-	-	21	319	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**

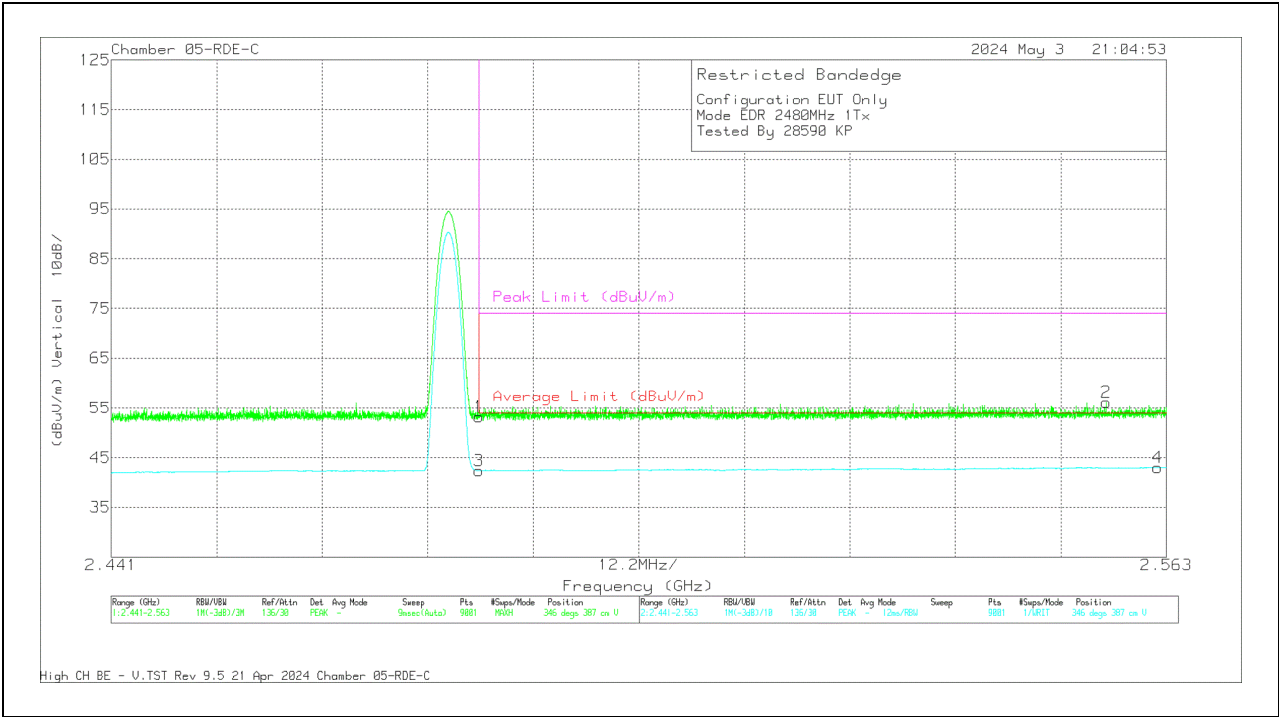
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dBm)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2.4835	61.12	Pk	32.4	-40.45	53.07	-	-	74	-20.93	320	102	H
3	*2.4835	50.47	VA1T	32.4	-40.45	42.42	54	-11.58	-	-	320	102	H
2	*2.539376	63.87	Pk	32.5	-40.26	56.11	-	-	74	-17.89	320	102	H
4	*2.553989	50.64	VA1T	32.6	-40.2	43.04	54	-10.96	-	-	320	102	H

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

Pk - Peak detector

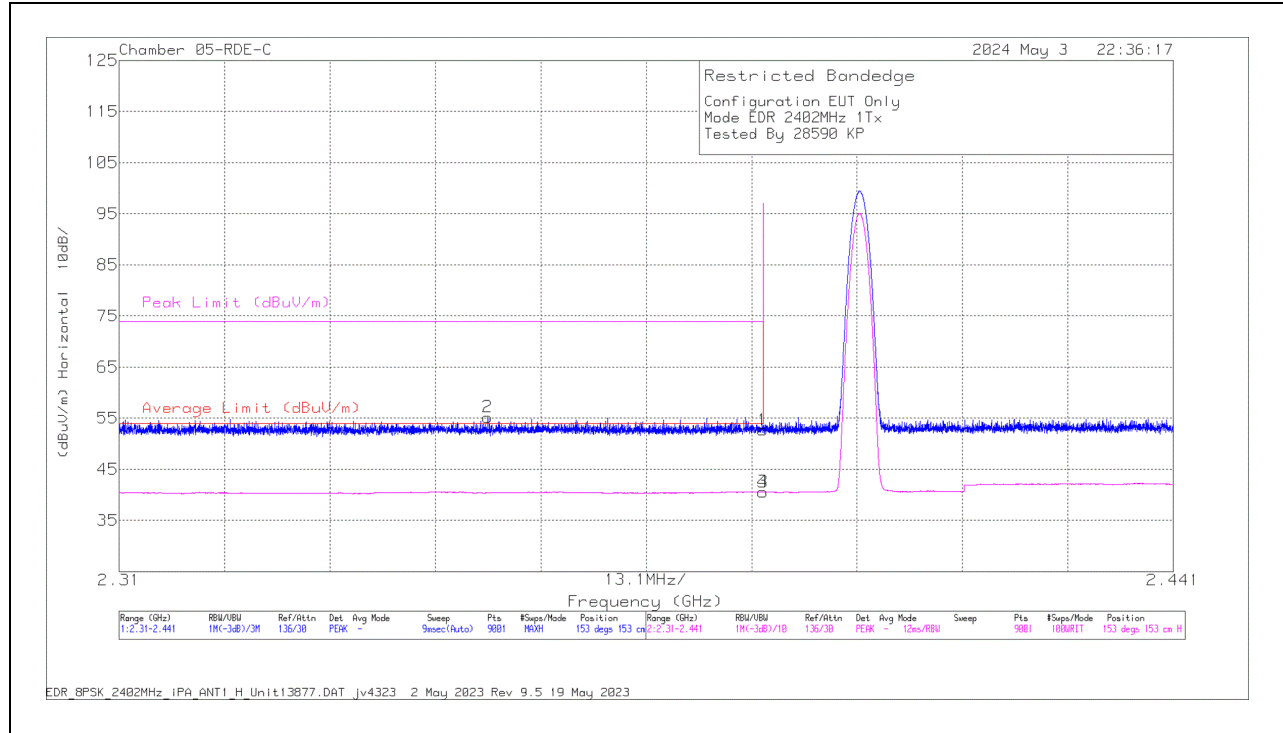
VA1T - FHSS: Linear Voltage Average $V_B = 1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.26	Pk	32.4	-40.45	53.21	-	-	74	-20.79	346	387	V
3	*2.4835	50.43	VA1T	32.4	-40.45	42.38	54	-11.62	-	-	346	387	V
2	*2.556023	63.88	Pk	32.6	-40.3	56.18	-	-	74	-17.82	346	387	V
4	*2.562014	50.65	VA1T	32.6	-40.2	43.05	54	-10.95	-	-	346	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

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

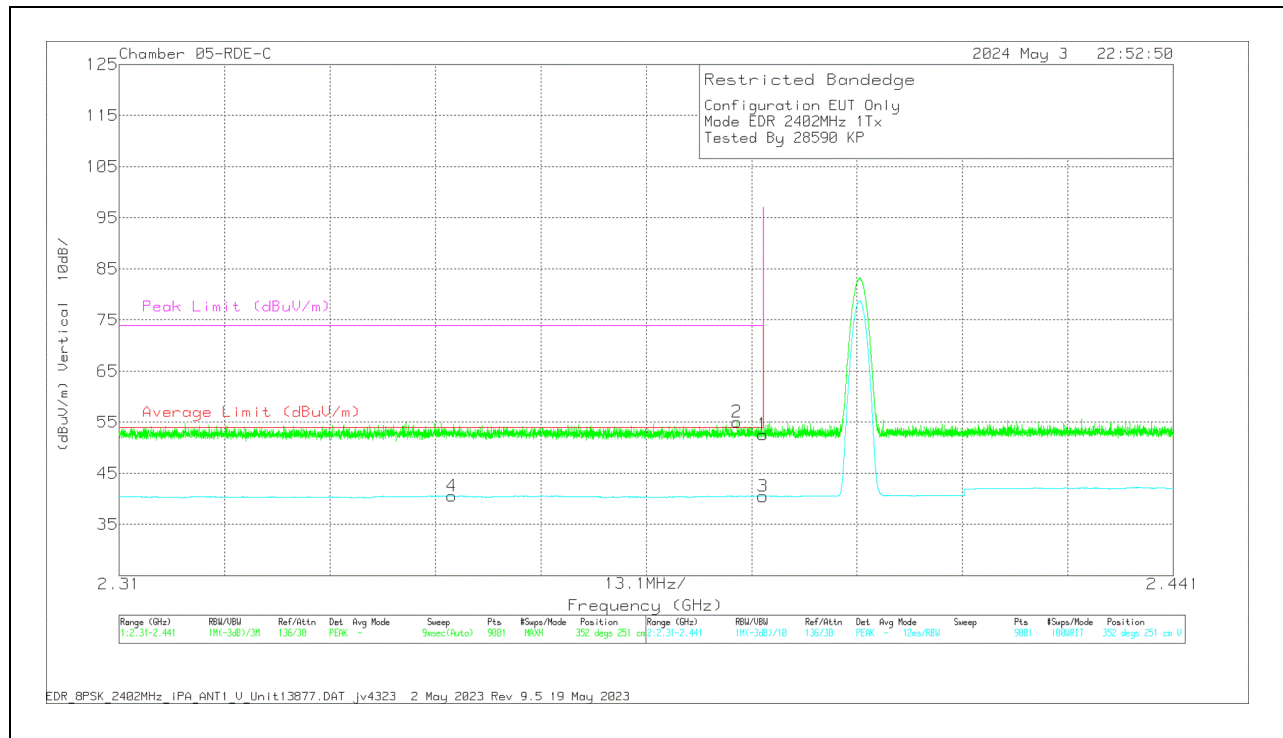
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.355793	63.61	Pk	32	-40.4	55.21	-	-	74	-18.79	153	153	H
1	*2.39	61.1	Pk	32.1	-40.5	52.7	-	-	74	-21.3	153	153	H
3	*2.39	48.98	VA1T	32.1	-40.5	40.58	54	-13.42	-	-	153	153	H
4	*2.39	48.98	VA1T	32.1	-40.5	40.58	54	-13.42	-	-	153	153	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	81887 ACF 3m (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
4	*2.351339	48.87	VA1T	32	-40.3	40.57	54	-13.43	-	-	352	251	V
2	*2.386754	63.45	Pk	32.1	-40.5	55.05	-	-	74	-18.95	352	251	V
1	*2.39	61	Pk	32.1	-40.5	52.6	-	-	74	-21.4	352	251	V
3	*2.39	48.92	VA1T	32.1	-40.5	40.52	54	-13.48	-	-	352	251	V

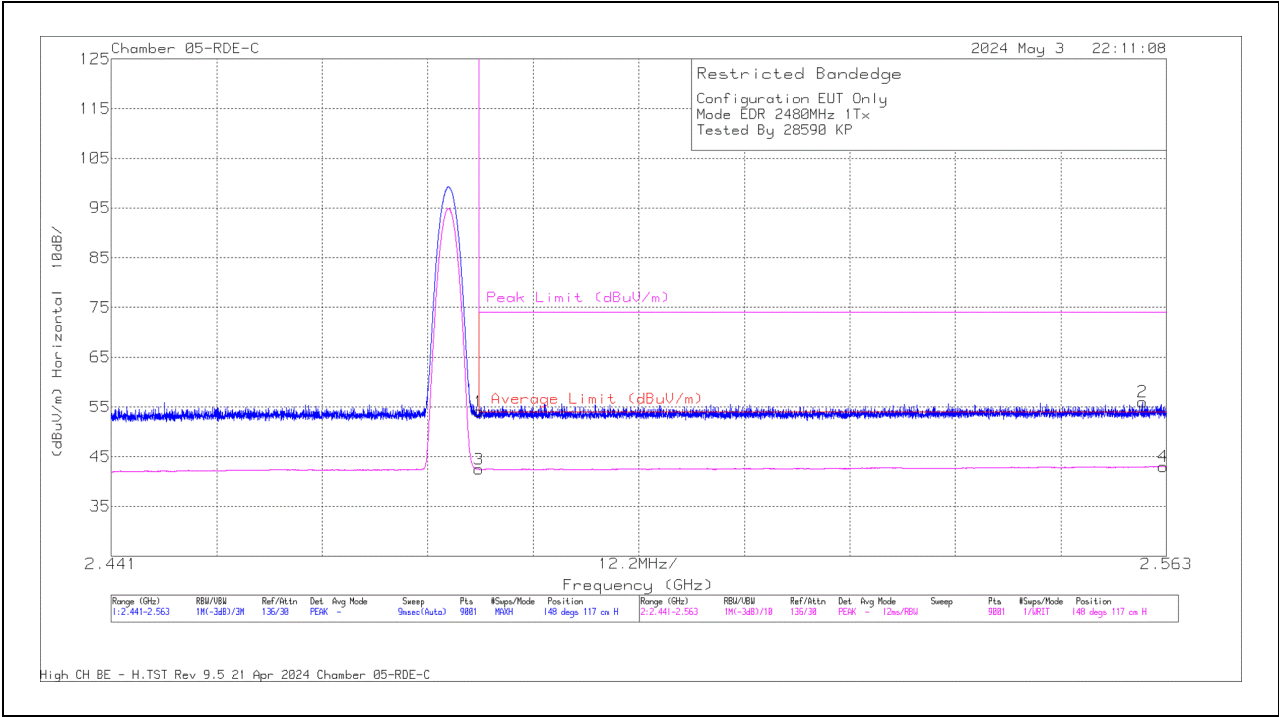
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

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

BANDEDGE (HIGH CHANNEL)

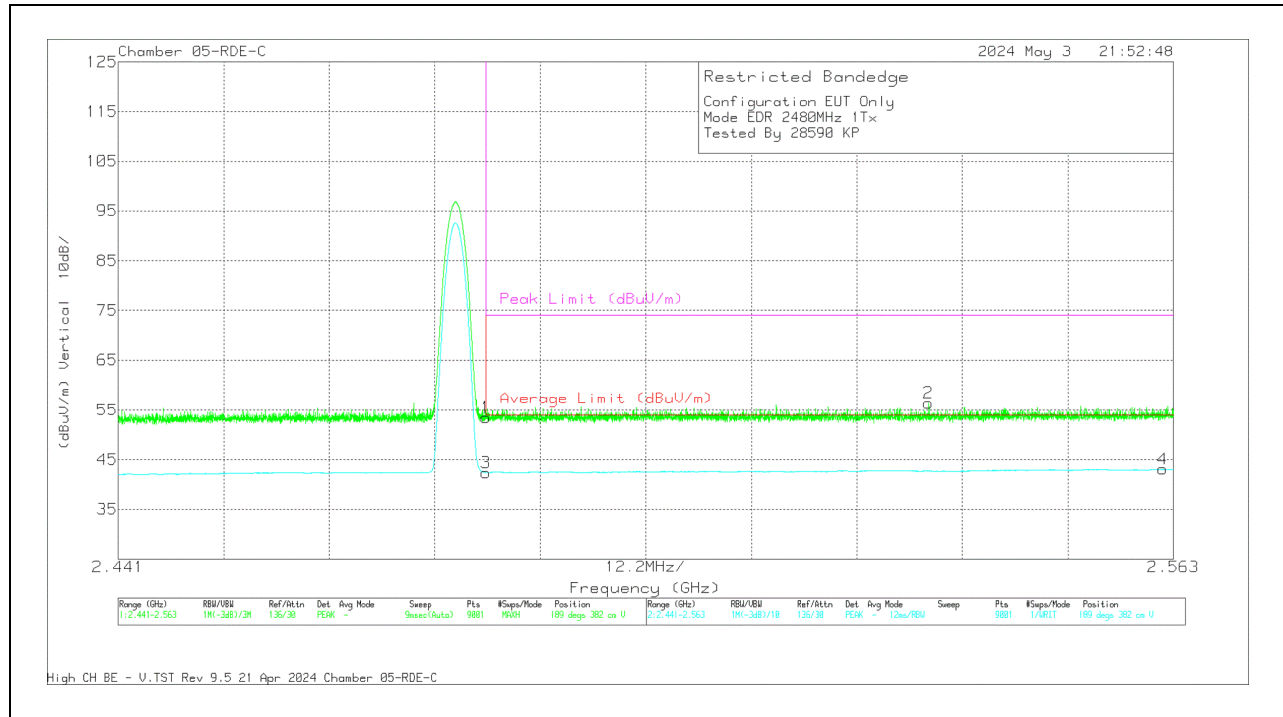
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	62.11	Pk	32.4	-40.45	54.06	-	-	74	-19.94	148	117	H
3	*2.4835	50.5	VA1T	32.4	-40.45	42.45	54	-11.55	-	-	148	117	H
2	*2.560211	63.73	Pk	32.6	-40.28	56.05	-	-	74	-17.95	148	117	H
4	*2.562638	50.65	VA1T	32.6	-40.2	43.05	54	-10.95	-	-	148	117	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	81887 ACF 3m (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	61.53	Pk	32.4	-40.45	53.48	-	-	74	-20.52	189	382	V
3	*2.4835	50.46	VA1T	32.4	-40.45	42.41	54	-11.59	-	-	189	382	V
2	*2.534658	64.23	Pk	32.5	-40.3	56.43	-	-	74	-17.57	189	382	V
4	*2.561798	50.68	VA1T	32.6	-40.2	43.08	54	-10.92	-	-	189	382	V

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

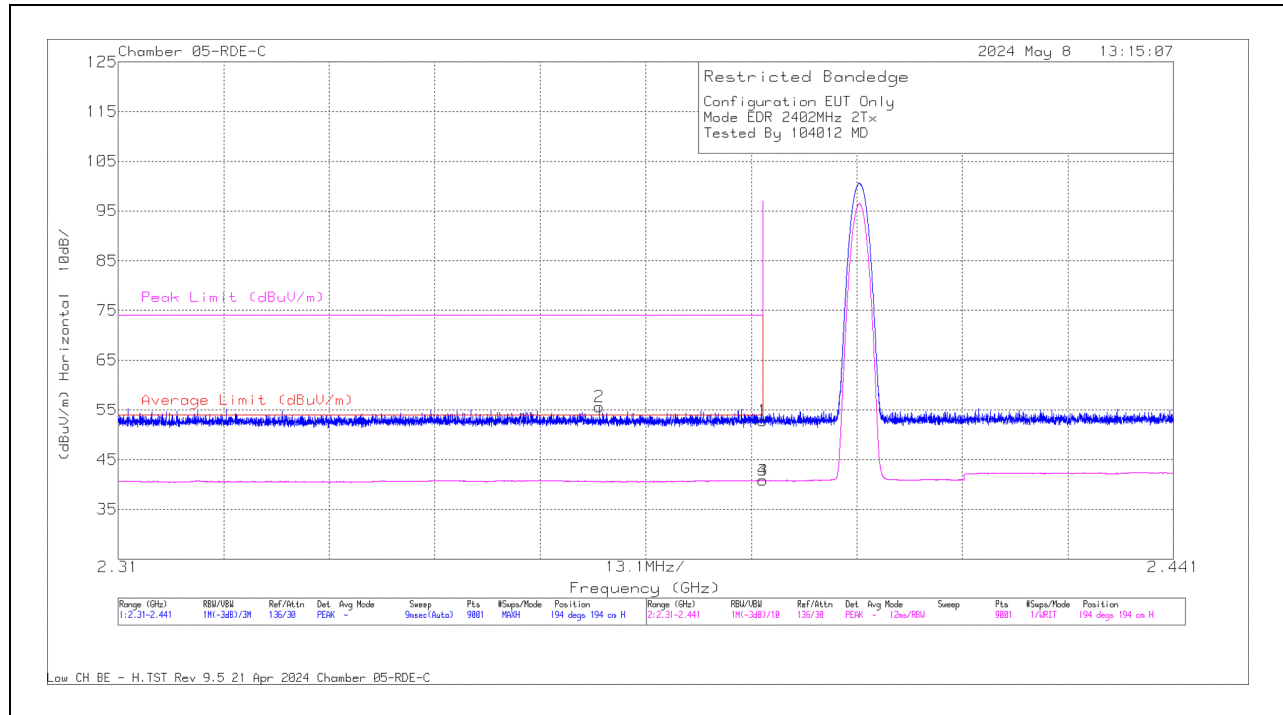
Pk - Peak detector

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

10.1.8. LOW POWER BASIC DATA RATE TXBF 8PSK MODULATION

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



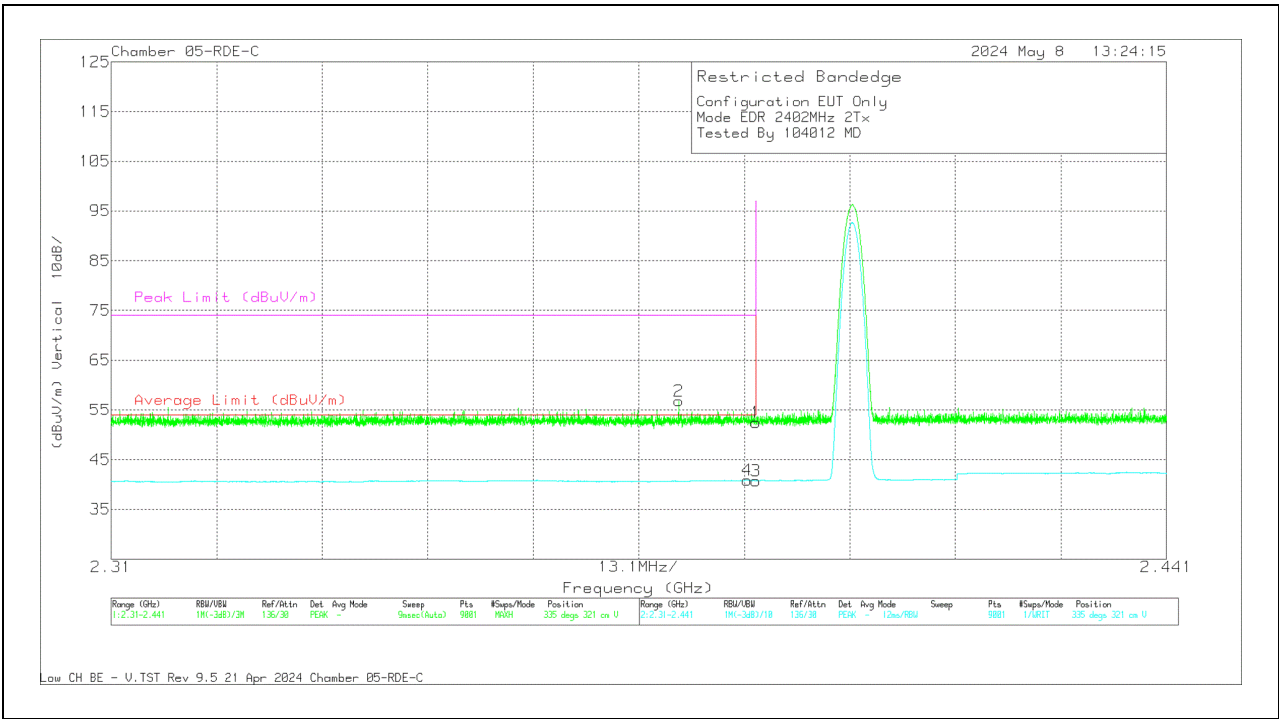
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.369738	64.08	Pk	32	-40.47	55.61	-	-	74	-18.39	194	194	H
1	*2.39	61.29	Pk	32.1	-40.5	52.89	-	-	74	-21.11	194	194	H
3	*2.39	49.22	VA1T	32.1	-40.5	40.82	54	-13.18	-	-	194	194	H
4	*2.39	49.22	VA1T	32.1	-40.5	40.82	54	-13.18	-	-	194	194	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

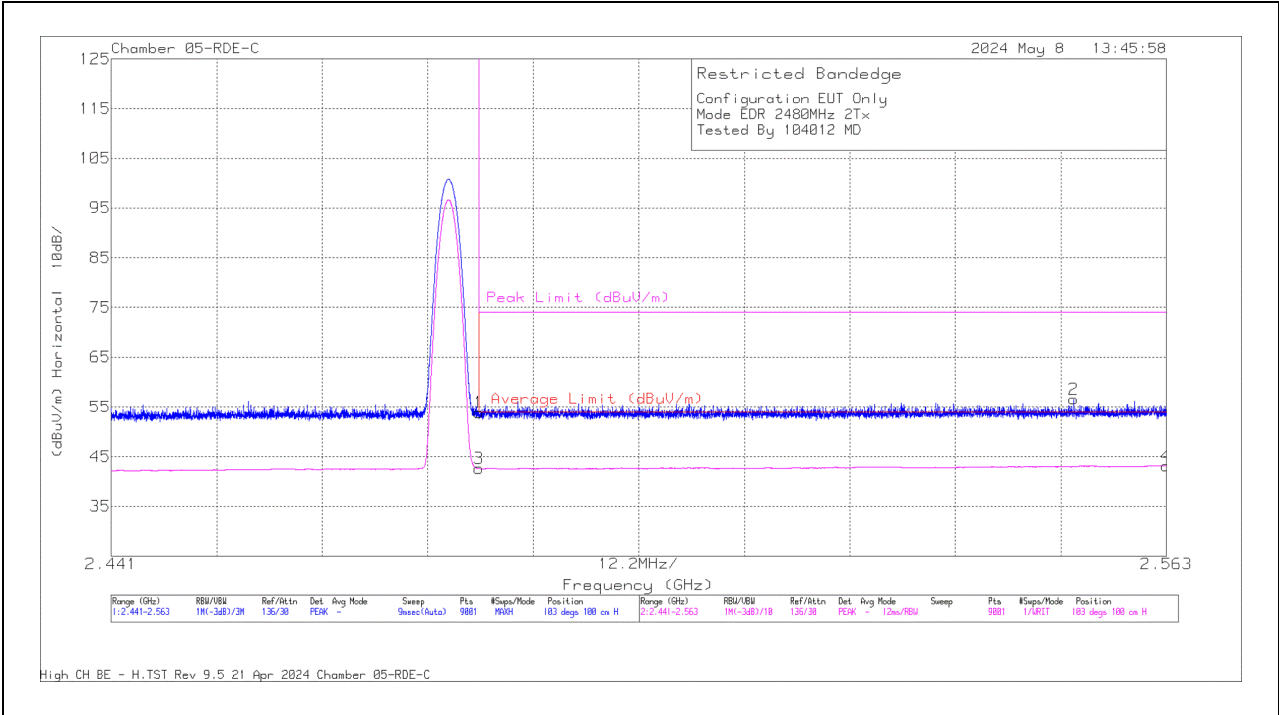


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (dBm)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*2.380436	65.26	Pk	32	-40.44	56.82	-	-	74	-17.18	335	321	V
4	*2.388923	49.24	VA1T	32.1	-40.5	40.84	54	-13.16	-	-	335	321	V
1	*2.39	60.85	Pk	32.1	-40.5	52.45	-	-	74	-21.55	335	321	V
3	*2.39	49.19	VA1T	32.1	-40.5	40.79	54	-13.21	-	-	335	321	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)

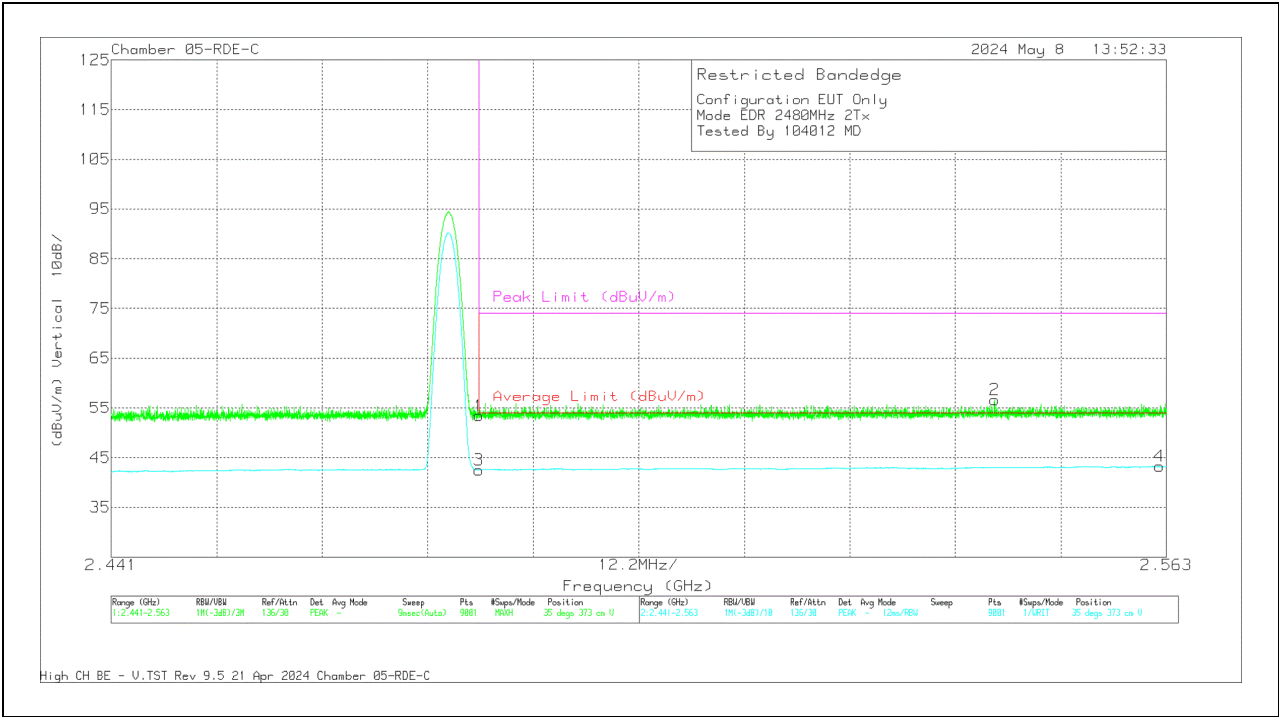
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.88	Pk	32.4	-40.45	53.83	-	-	74	-20.17	103	100	H
3	*2.4835	50.66	VA1T	32.4	-40.45	42.61	54	-11.39	-	-	103	100	H
2	*2.552281	64.24	Pk	32.6	-40.27	56.57	-	-	74	-17.43	103	100	H
4	*2.56299	50.76	VA1T	32.6	-40.2	43.16	54	-10.84	-	-	103	100	H

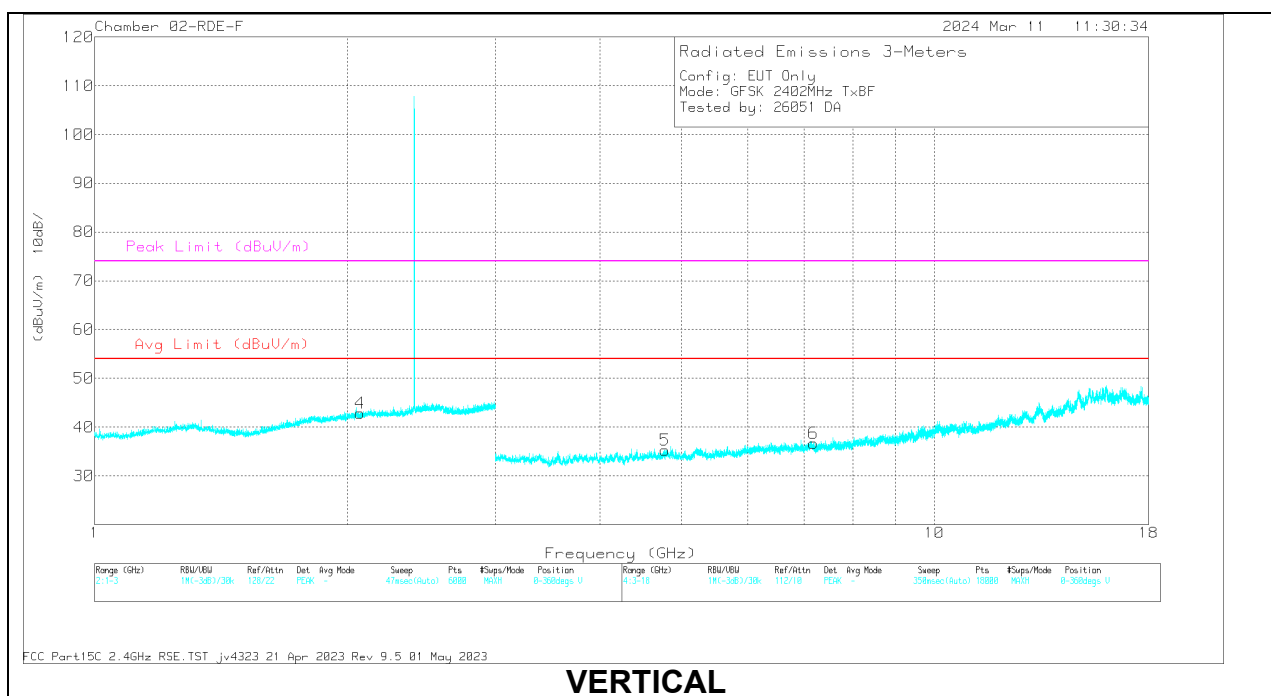
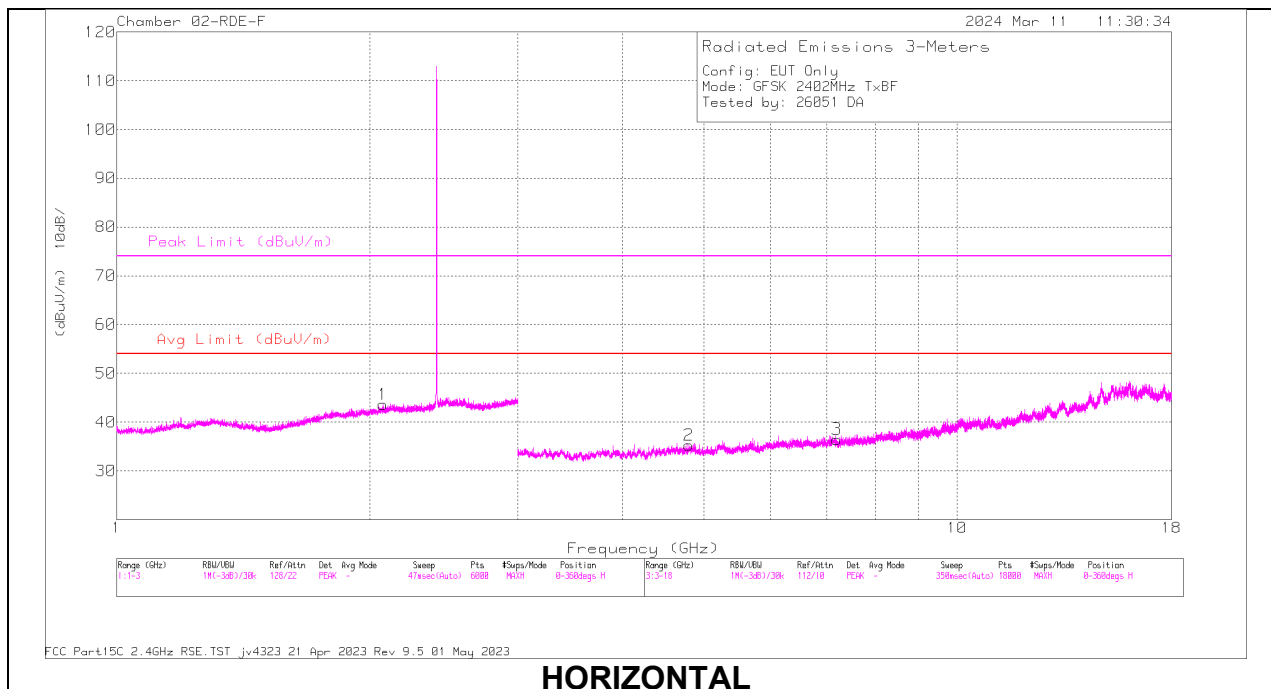
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
VA1T - FHSS: Linear Voltage Average $V_B=1/T_{on}$ where: T_{on} is transmit duration

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF 3m (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	61.47	Pk	32.4	-40.45	53.42	-	-	74	-20.58	35	373	V
3	*2.4835	50.56	VA1T	32.4	-40.45	42.51	54	-11.49	-	-	35	373	V
2	*2.543144	64.39	Pk	32.6	-40.3	56.69	-	-	74	-17.31	35	373	V
4	*2.562191	50.82	VA1T	32.6	-40.2	43.22	54	-10.78	-	-	35	373	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

10.1.9. WORST CASE HARMONICS AND SPURIOUS EMISSIONS**LOW CHANNEL RESULTS**

RADIATED EMISSIONS

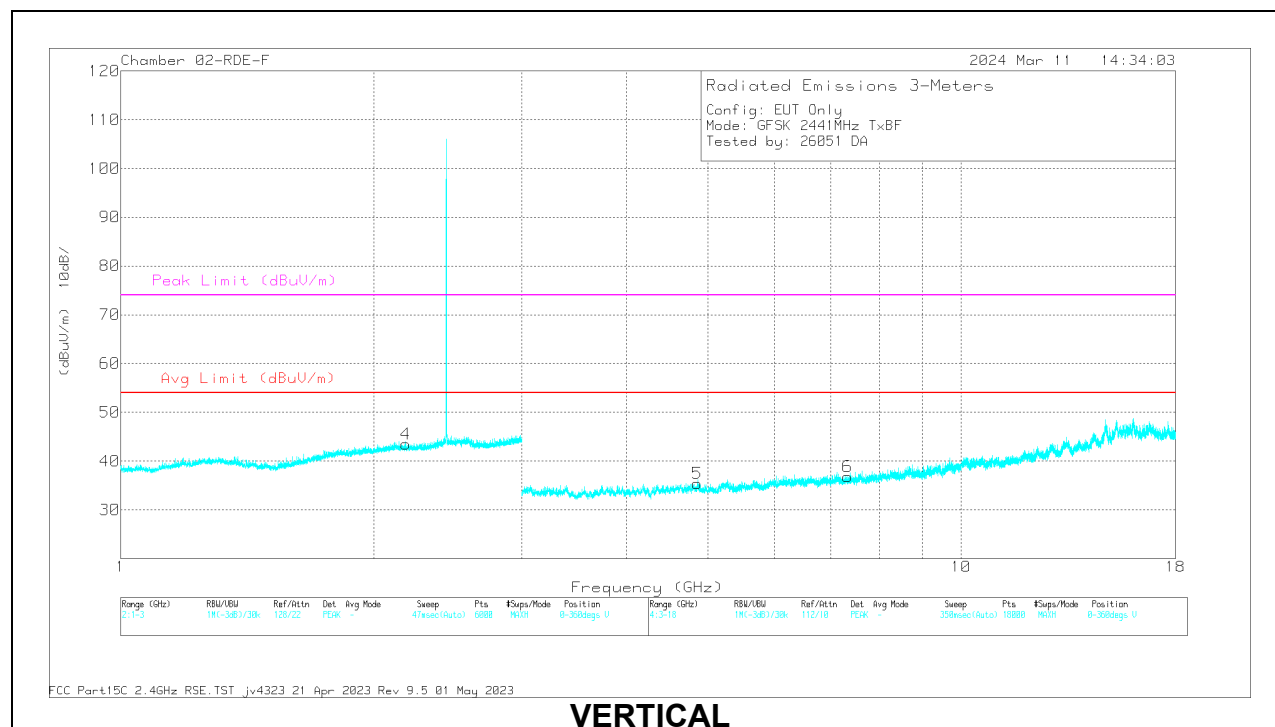
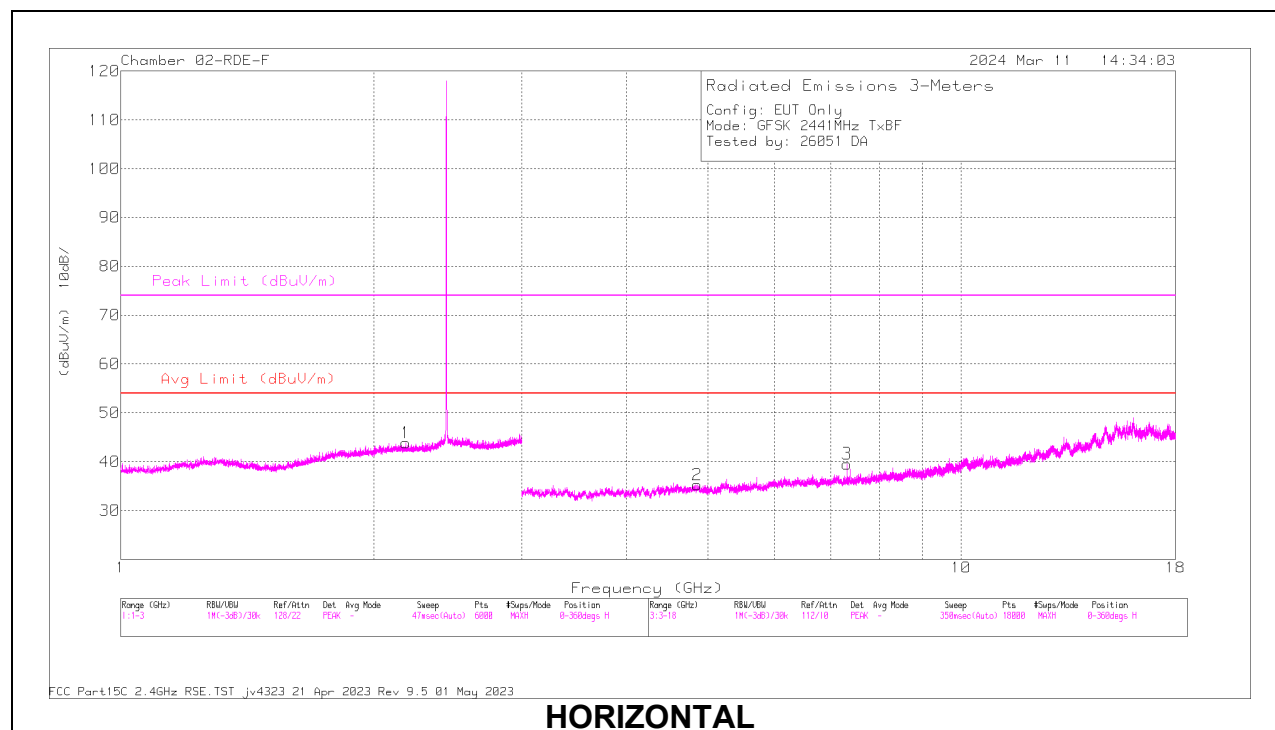
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.790874	55.66	PKFH	34	-46.3	43.36	-	-	74	-30.64	1	200	H
2	* 4.791637	42.05	VA1T	34	-46.4	29.65	54	-24.35	-	-	1	200	H
5	* 4.782399	55.15	PKFH	34	-46.2	42.95	-	-	74	-31.05	1	101	V
5	* 4.780857	41.79	VA1T	34	-46.2	29.59	54	-24.41	-	-	1	101	V
4	2.072619	59.06	PKFH	31.3	-38.7	51.66	-	-	-	-	1	200	V
4	2.073649	45.07	VA1T	31.4	-38.7	37.77	-	-	-	-	1	200	V
1	2.073704	57.3	PKFH	31.4	-38.7	50	-	-	-	-	1	101	H
1	2.07476	44.53	VA1T	31.4	-38.7	37.23	-	-	-	-	1	101	H
6	7.186322	53.09	PKFH	35.6	-44.3	44.39	-	-	-	-	1	101	V
6	7.183618	39.98	VA1T	35.6	-44.1	31.48	-	-	-	-	1	101	V
3	7.190801	53.39	PKFH	35.6	-44.3	44.69	-	-	-	-	1	200	H
3	7.188597	40.08	VA1T	35.6	-44.4	31.28	-	-	-	-	1	200	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

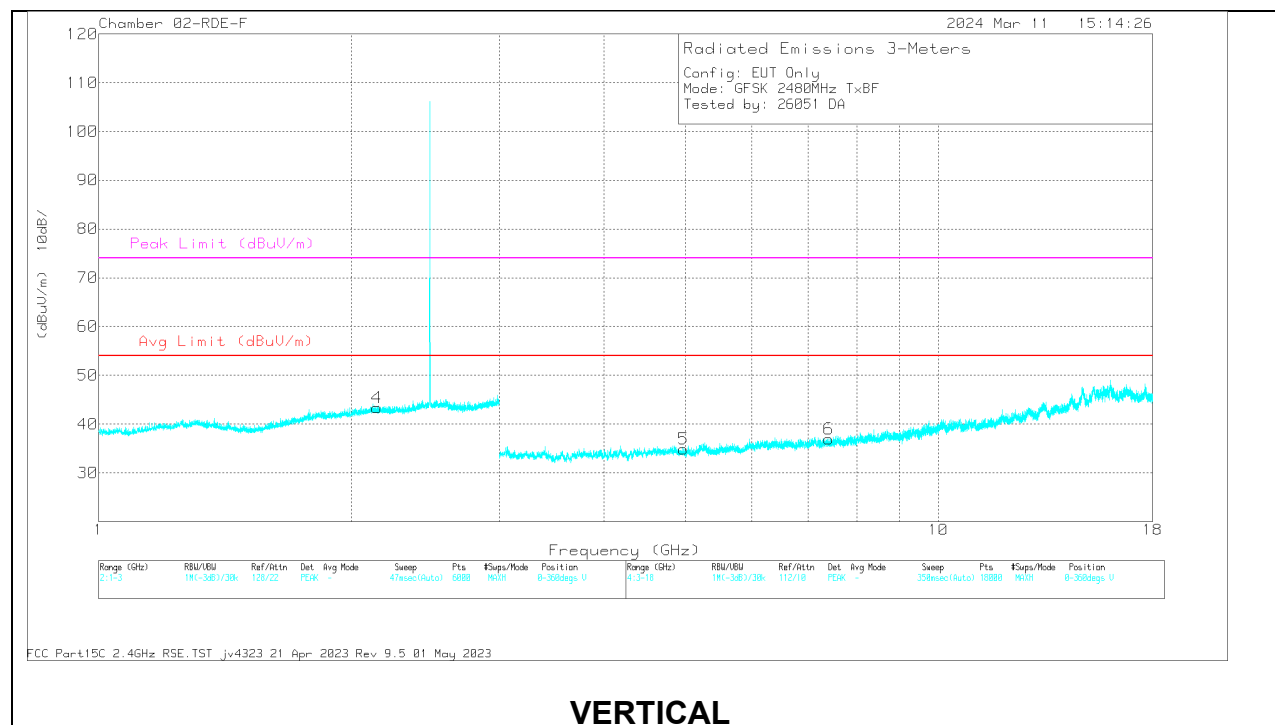
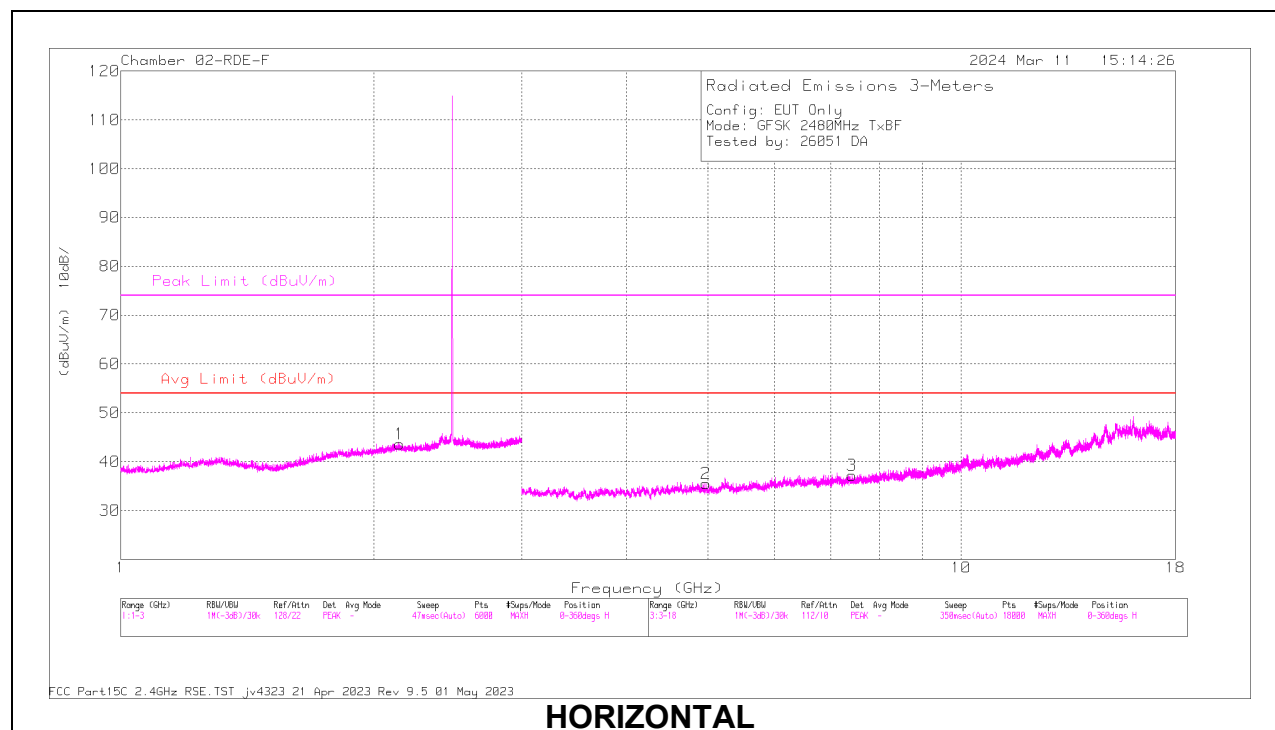
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.857162	55.03	PKFH	34	-45.7	43.33	-	-	74	-30.67	360	200	H
2	* 4.855927	42.15	VA1T	34	-45.8	30.35	54	-23.65	-	-	360	200	H
3	* 7.324478	53.61	PKFH	35.6	-44.3	44.91	-	-	74	-29.09	360	101	H
3	* 7.320865	40.03	VA1T	35.6	-44.4	31.23	54	-22.77	-	-	360	101	H
5	* 4.853966	55.34	PKFH	34	-45.9	43.44	-	-	74	-30.56	360	200	V
5	* 4.854465	42.14	VA1T	34	-45.9	30.24	54	-23.76	-	-	360	200	V
6	* 7.329187	53.74	PKFH	35.6	-43.9	45.44	-	-	74	-28.56	360	200	V
6	* 7.33136	39.85	VA1T	35.6	-43.8	31.65	54	-22.35	-	-	360	200	V
4	2.18129	59.32	PKFH	31.7	-38.8	52.22	-	-	-	-	360	101	V
4	2.18172	45.03	VA1T	31.7	-38.8	37.93	-	-	-	-	360	101	V
1	2.184994	58.05	PKFH	31.7	-38.8	50.95	-	-	-	-	360	101	H
1	2.184985	44.15	VA1T	31.7	-38.8	37.05	-	-	-	-	360	101	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	206808 ACF (dB/m) 3mH	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.97368	55.84	PKFH	33.9	-46.1	43.64	-	-	74	-30.36	360	101	H
2	* 4.974569	42.02	VA1T	33.9	-46	29.92	54	-24.08	-	-	360	101	H
3	* 7.418374	53.25	PKFH	35.6	-44	44.85	-	-	74	-29.15	360	200	H
3	* 7.418575	40.11	VA1T	35.6	-44	31.71	54	-22.29	-	-	360	200	H
5	* 4.975012	56.14	PKFH	33.9	-46	44.04	-	-	74	-29.96	360	101	V
5	* 4.973867	42	VA1T	33.9	-46.1	29.8	54	-24.2	-	-	360	101	V
6	* 7.409705	54.03	PKFH	35.6	-44.2	45.43	-	-	74	-28.57	360	101	V
6	* 7.409303	40.11	VA1T	35.6	-44.2	31.51	54	-22.49	-	-	360	101	V
1	2.143923	58.81	PKFH	31.6	-38.8	51.61	-	-	-	-	360	200	H
1	2.147417	45.11	VA1T	31.6	-38.8	37.91	-	-	-	-	360	200	H
4	2.14426	58.96	PKFH	31.6	-38.8	51.76	-	-	-	-	360	101	V
4	2.143604	45.18	VA1T	31.6	-38.7	38.08	-	-	-	-	360	101	V

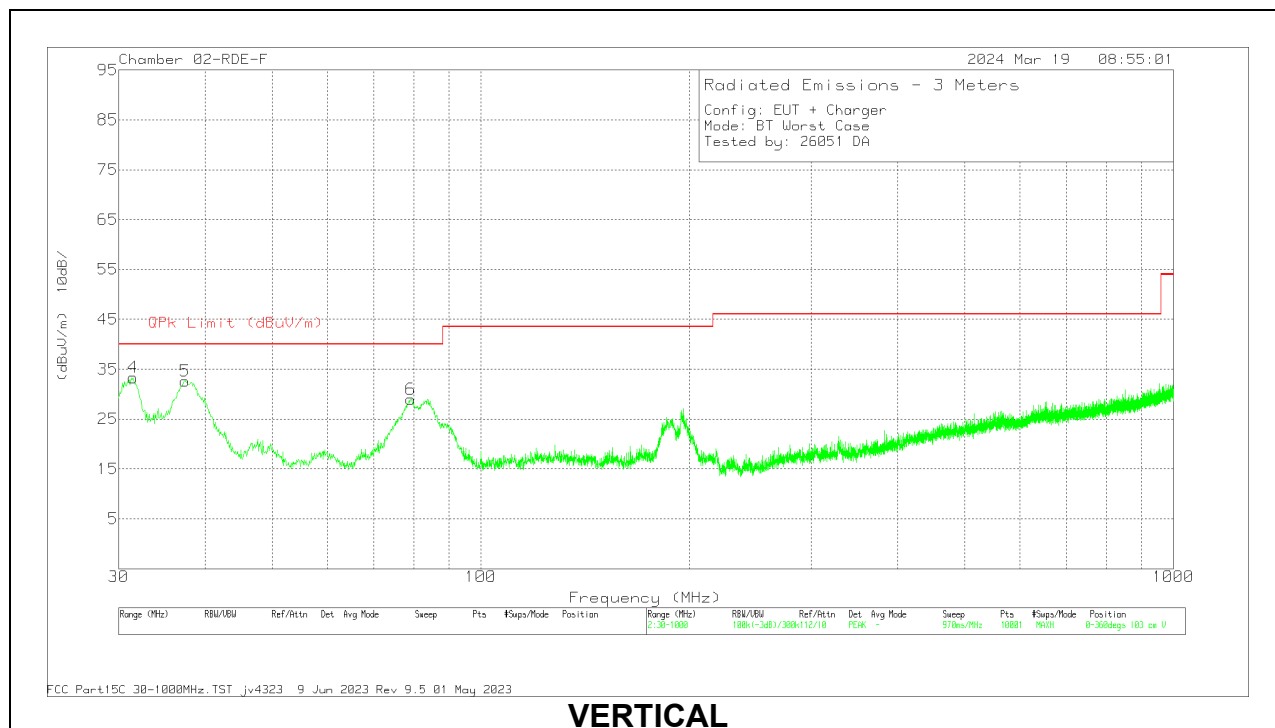
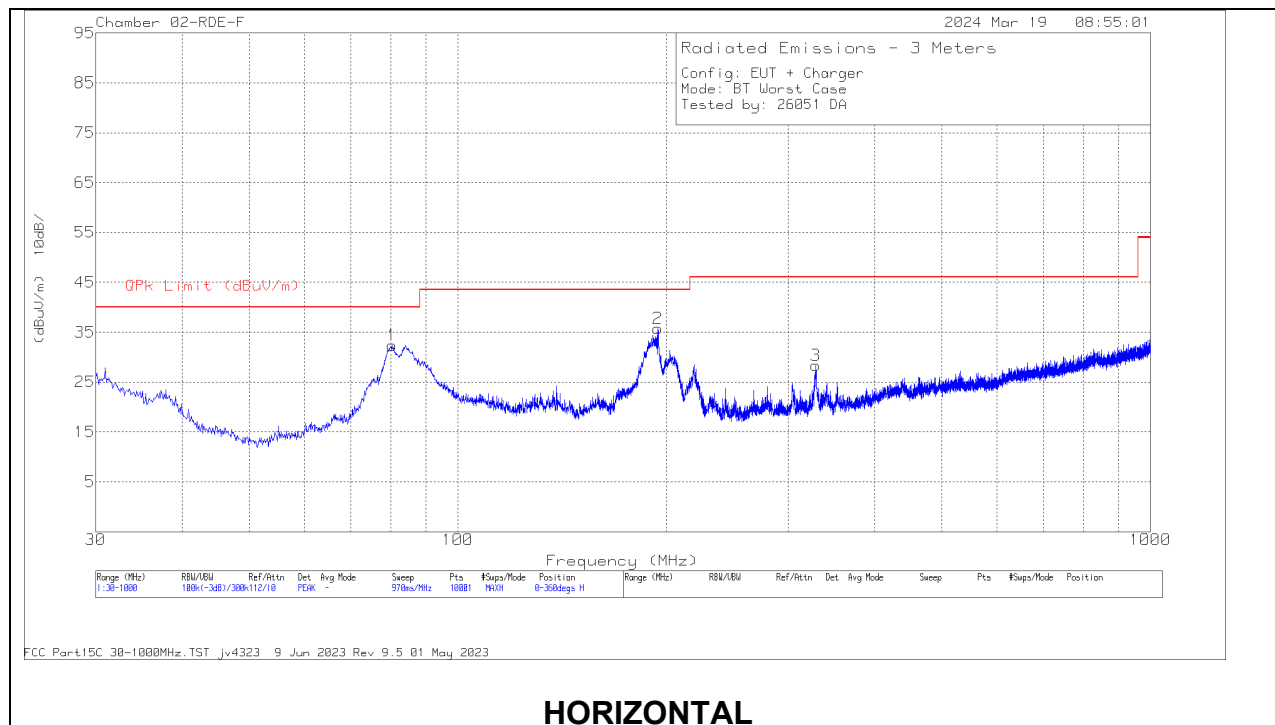
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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	230634 ACF (dB/m) 10m H	CBL/AMP (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degr)	Height (cm)	Polarity
3	* 328.76	38.68	Pk	19.6	-29.9	28.38	46.02	-17.64	0-360	100	H
4	31.455	39.21	Pk	25.8	-31.7	33.31	40	-6.69	0-360	103	V
	31.455	36.61	Qp	26	-31.7	30.91	40	-9.09	313	110	V
5	37.372	43.03	Pk	21.3	-31.7	32.63	40	-7.37	0-360	103	V
	* 37.9861	41.4	Qp	20.9	-31.9	30.4	40	-9.6	8	106	V
6	79.179	47.01	Pk	13.5	-31.5	29.01	40	-10.99	0-360	198	V
1	80.343	50.22	Pk	13.4	-31.3	32.32	40	-7.68	0-360	199	H
2	194.512	48.56	Pk	17.6	-30.4	35.76	43.52	-7.76	0-360	100	H

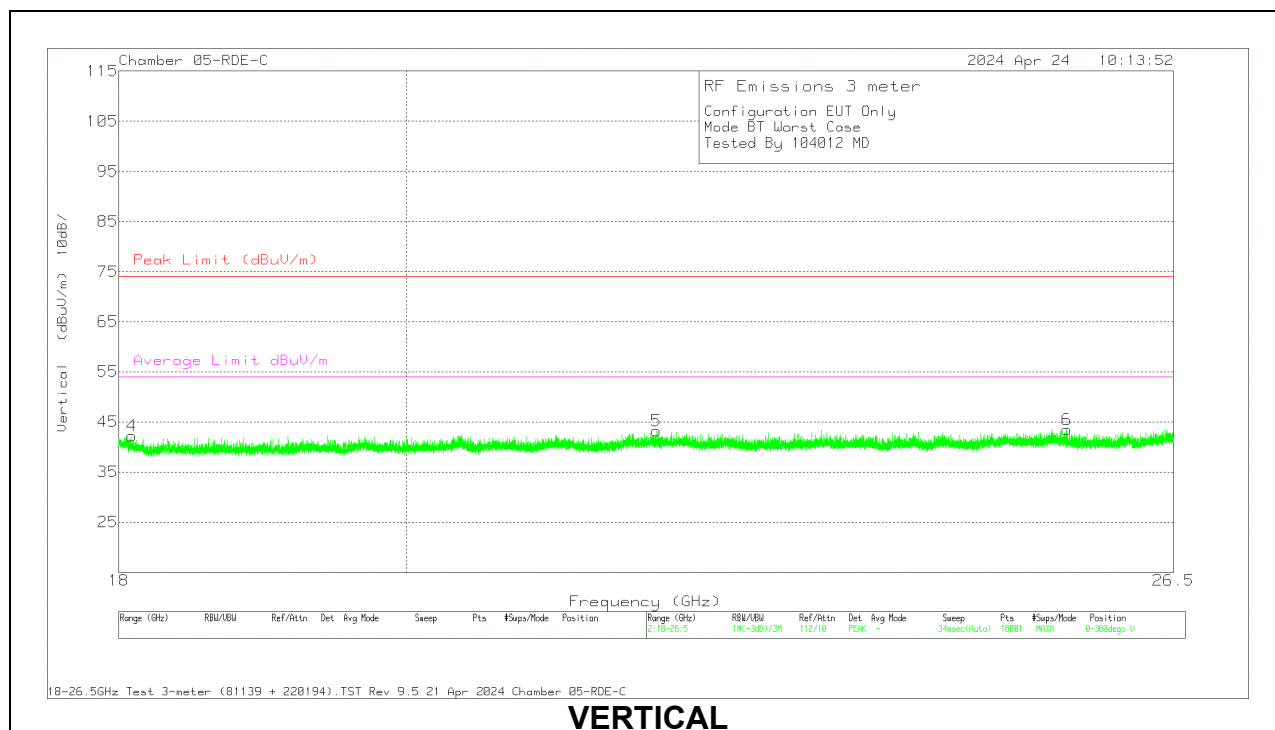
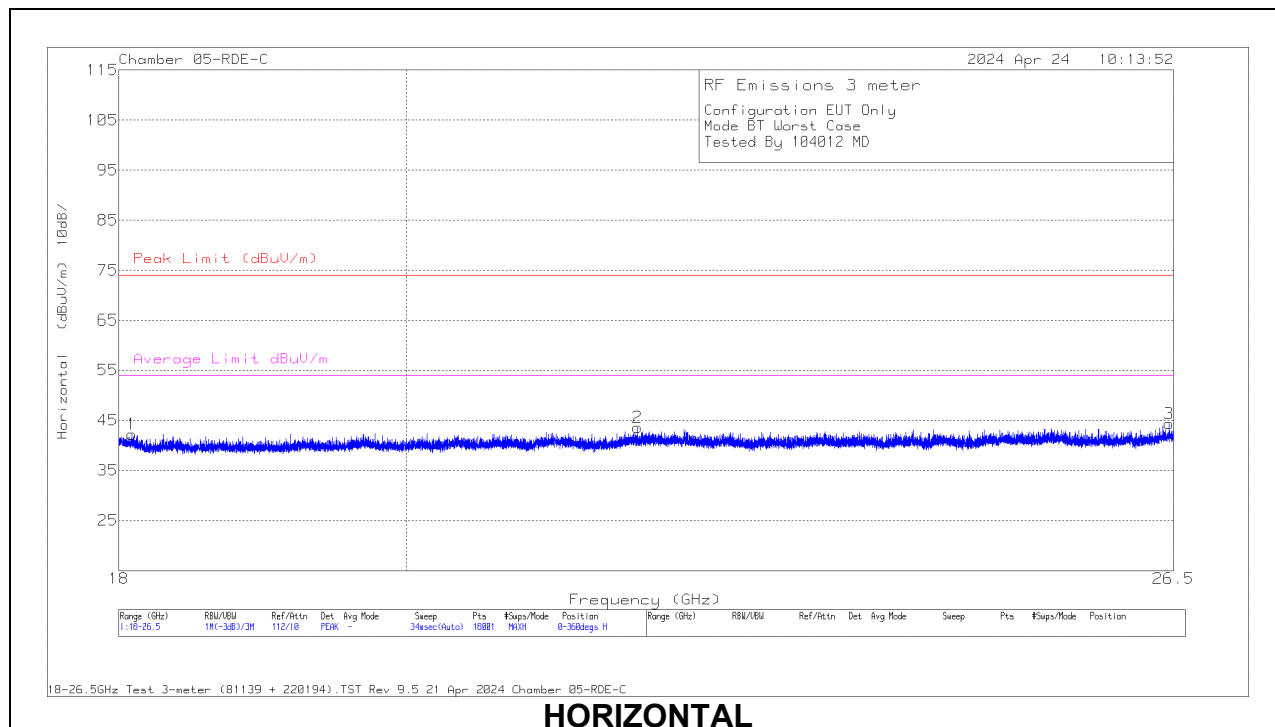
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Qp - Quasi-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	81139 ACF (dB/m)	Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	18.085472	58.92	Pk	32.6	-61.8	12.5	42.22	74	-31.78	54	-11.78	0-360	200	V
1	18.086889	58.94	Pk	32.6	-61.8	12.5	42.24	74	-31.76	54	-11.76	0-360	101	H
2	21.773998	57.66	Pk	33.4	-61.1	13.6	43.56	74	-30.44	54	-10.44	0-360	200	H
5	21.922748	57.17	Pk	33.5	-61.2	13.7	43.17	74	-30.83	54	-10.83	0-360	200	V
6	25.481885	55.89	Pk	34.3	-61.5	14.8	43.49	74	-30.51	54	-10.51	0-360	101	V
3	26.459857	55.42	Pk	34.7	-60.9	15.1	44.32	74	-29.68	54	-9.68	0-360	200	H

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.

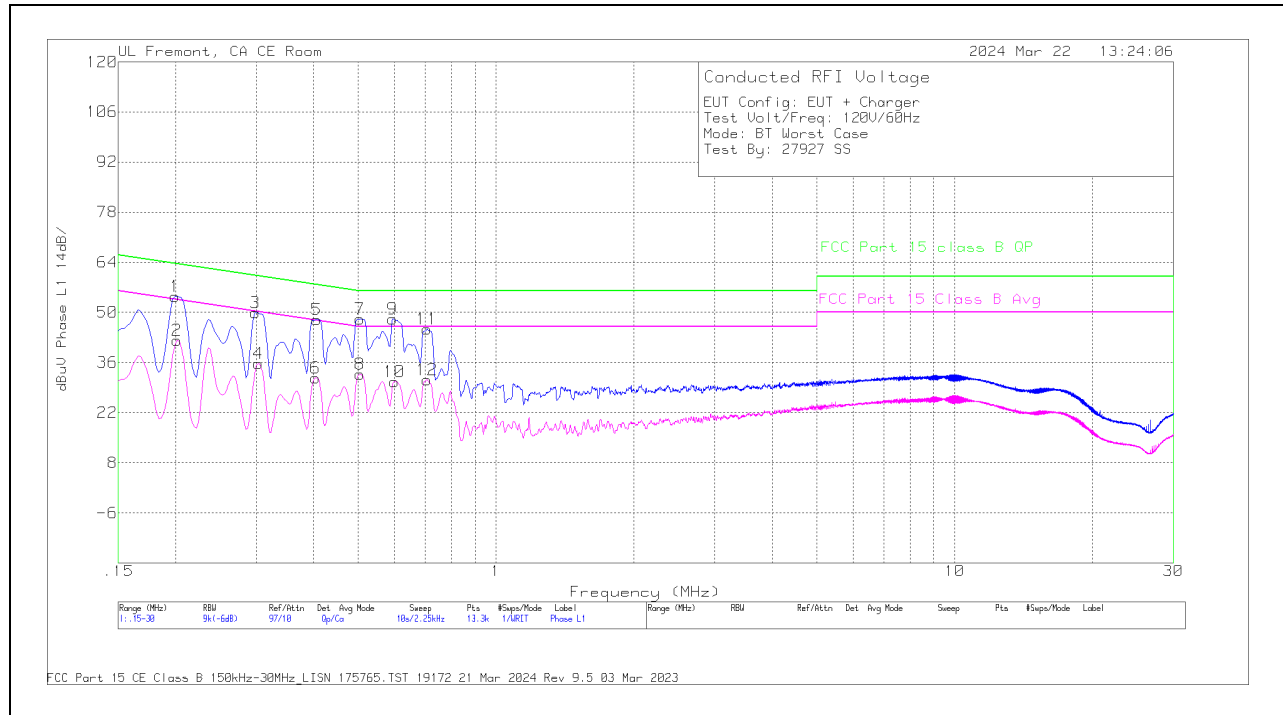
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line With AC/DC Adapter

LINE 1 RESULTS

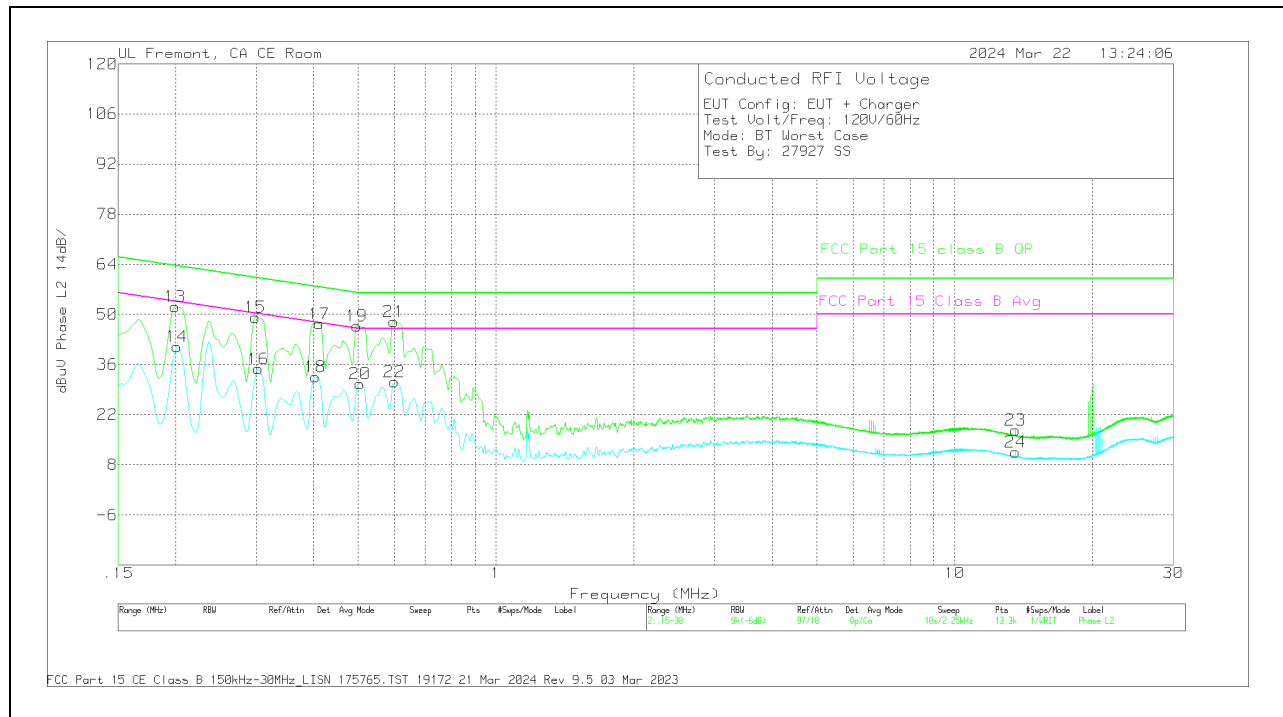


Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
2	.2018	22.72	Ca	.1	0	9.4	10	42.22	53.54	-11.32	-	-
4	.303	16.2	Ca	.1	0	9.4	10	35.7	50.16	-14.46	-	-
6	.4043	12.33	Ca	0	0	9.4	10	31.73	47.77	-16.04	-	-
8	.5055	13.4	Ca	0	0	9.3	10	32.7	46	-13.3	-	-
10	.6	11.29	Ca	0	0	9.4	10	30.69	46	-15.31	-	-
12	.708	11.8	Ca	.1	0	9.3	10	31.2	46	-14.8	-	-
1	.1995	34.94	Qp	.1	.1	9.4	10	54.54	-	-	63.63	-9.09
3	.2985	30.45	Qp	.1	0	9.4	10	49.95	-	-	60.28	-10.33
5	.4065	28.52	Qp	0	0	9.4	10	47.92	-	-	57.72	-9.8
7	.5055	28.81	Qp	0	0	9.3	10	48.11	-	-	56	-7.89
9	.5955	28.82	Qp	0	0	9.4	10	48.22	-	-	56	-7.78
11	.708	25.9	Qp	.1	0	9.3	10	45.3	-	-	56	-10.7

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS

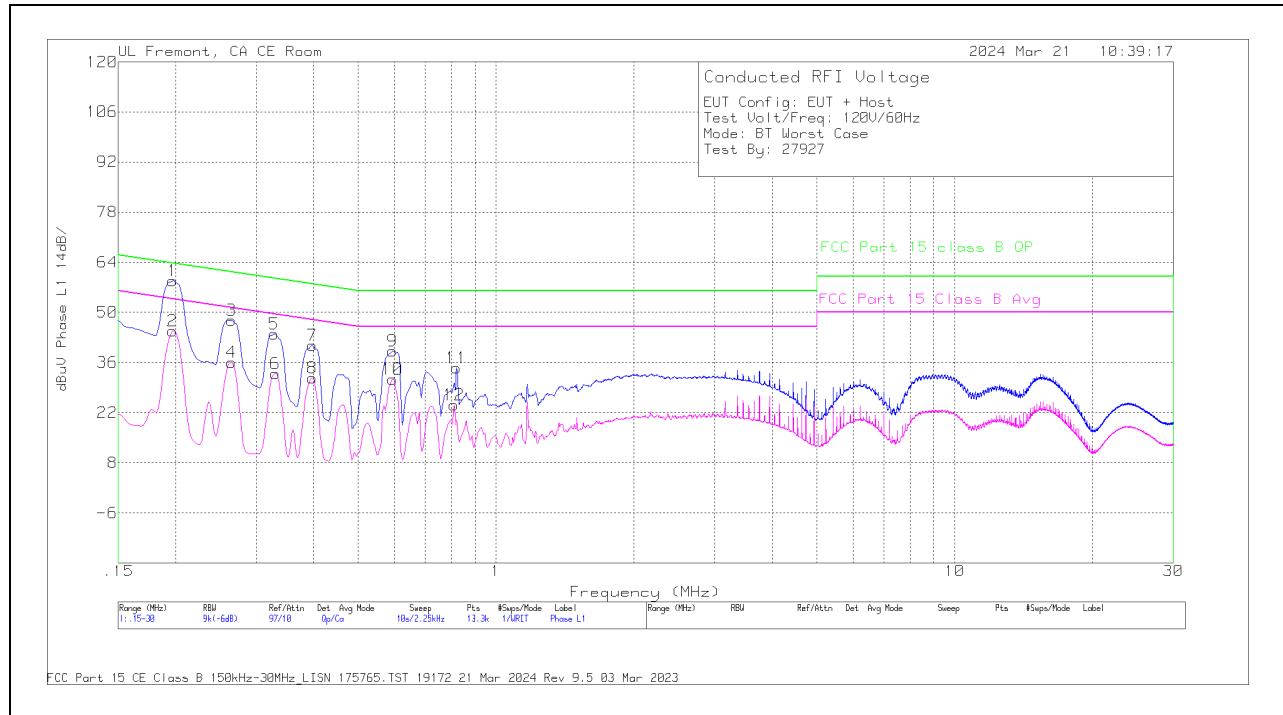


Range 2: Phase L2 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Cbl (dB)	LISN (dB)	Trns Limiter (dB)	10 dB Pad	Corrected Reading dBuV	FCC Part 15 Class B Avg dBuV	Margin (dB)	FCC Part 15 class B QP dBuV	Margin (dB)
14	.2018	21.45	Ca	.1	0	9.4	10	40.95	53.54	-12.59	-	-
16	.303	15.26	Ca	.1	0	9.4	10	34.76	50.16	-15.4	-	-
18	.4043	13.12	Ca	.1	0	9.4	10	32.62	47.77	-15.15	-	-
20	.5055	11.35	Ca	0	0	9.3	10	30.65	46	-15.35	-	-
22	.6	11.64	Ca	.1	0	9.4	10	31.14	46	-14.86	-	-
24	13.56	-8.27	Ca	.2	.1	9.5	10	11.53	50	-38.47	-	-
13	.1995	32.65	Qp	.1	0	9.4	10	52.15	-	-	63.63	-11.48
15	.2985	29.74	Qp	.1	0	9.4	10	49.24	-	-	60.28	-11.04
17	.4121	27.88	Qp	.1	0	9.4	10	47.38	-	-	57.61	-10.23
19	.4965	27.42	Qp	0	0	9.3	10	46.72	-	-	56.06	-9.34
21	.5978	28.5	Qp	.1	0	9.4	10	48	-	-	56	-8
23	13.56	-2.12	Qp	.2	.1	9.5	10	17.68	-	-	60	-42.32

Qp - Quasi-Peak detector
Ca - CISPR average detection

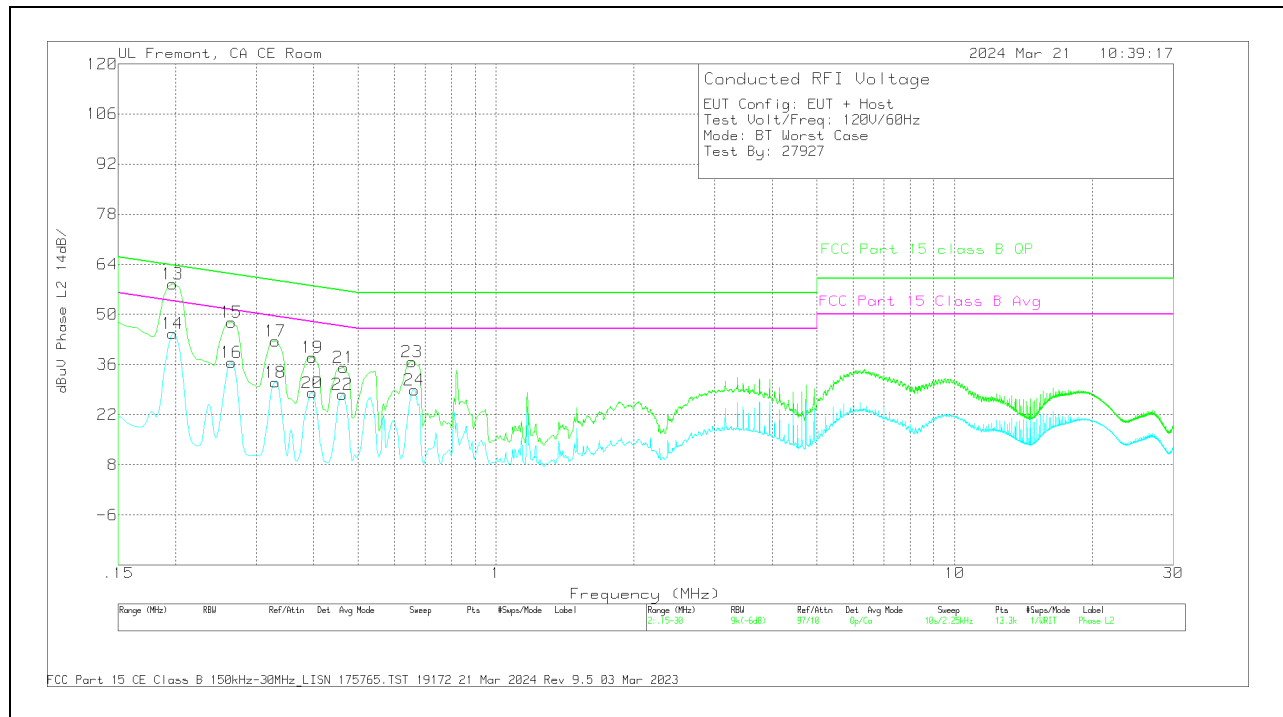
11.2. AC Power Line with Laptop

LINE 1 RESULTS



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	.1973	25.23	Ca	.1	.1	9.4	10	44.83	53.73	-8.9	-	-
4	.2648	16.68	Ca	0	0	9.4	10	36.08	51.28	-15.2	-	-
6	.33	13.57	Ca	0	0	9.4	10	32.97	49.45	-16.48	-	-
8	.3975	12.24	Ca	0	0	9.4	10	31.64	47.91	-16.27	-	-
10	.5955	11.98	Ca	0	0	9.4	10	31.38	46	-14.62	-	-
12	.8093	4.73	Ca	.1	0	9.3	10	24.13	46	-21.87	-	-
1	.1973	39.25	Qp	.1	.1	9.4	10	58.85	-	-	63.73	-4.88
3	.2648	28.44	Qp	0	0	9.4	10	47.84	-	-	61.28	-13.44
5	.3278	24.51	Qp	0	0	9.4	10	43.91	-	-	59.51	-15.6
7	.3975	21.37	Qp	0	0	9.4	10	40.77	-	-	57.91	-17.14
9	.5955	19.76	Qp	0	0	9.4	10	39.16	-	-	56	-16.84
11	.8205	15.03	Qp	.1	0	9.3	10	34.43	-	-	56	-21.57

LINE 2 RESULTS



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	.1973	25.14	Ca	.1	0	9.4	10	44.64	53.73	-9.09	-	-
16	.2648	17.23	Ca	0	0	9.4	10	36.63	51.28	-14.65	-	-
18	.33	11.56	Ca	.1	0	9.4	10	31.06	49.45	-18.39	-	-
20	.3975	8.6	Ca	.1	0	9.4	10	28.1	47.91	-19.81	-	-
22	.4628	8.32	Ca	0	0	9.3	10	27.62	46.64	-19.02	-	-
24	.663	9.37	Ca	.1	0	9.4	10	28.87	46	-17.13	-	-
13	.1973	39.05	Qp	.1	0	9.4	10	58.55	-	-	63.73	-5.18
15	.2648	28.42	Qp	0	0	9.4	10	47.82	-	-	61.28	-13.46
17	.33	23.1	Qp	.1	0	9.4	10	42.6	-	-	59.45	-16.85
19	.3975	18.52	Qp	.1	0	9.4	10	38.02	-	-	57.91	-19.89
21	.465	15.89	Qp	0	0	9.3	10	35.19	-	-	56.6	-21.41
23	.6563	17.32	Qp	.1	0	9.4	10	36.82	-	-	56	-19.18

Qp - Quasi-Peak detector

Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to setup photos 14982436-EP1V1

END OF TEST REPORT