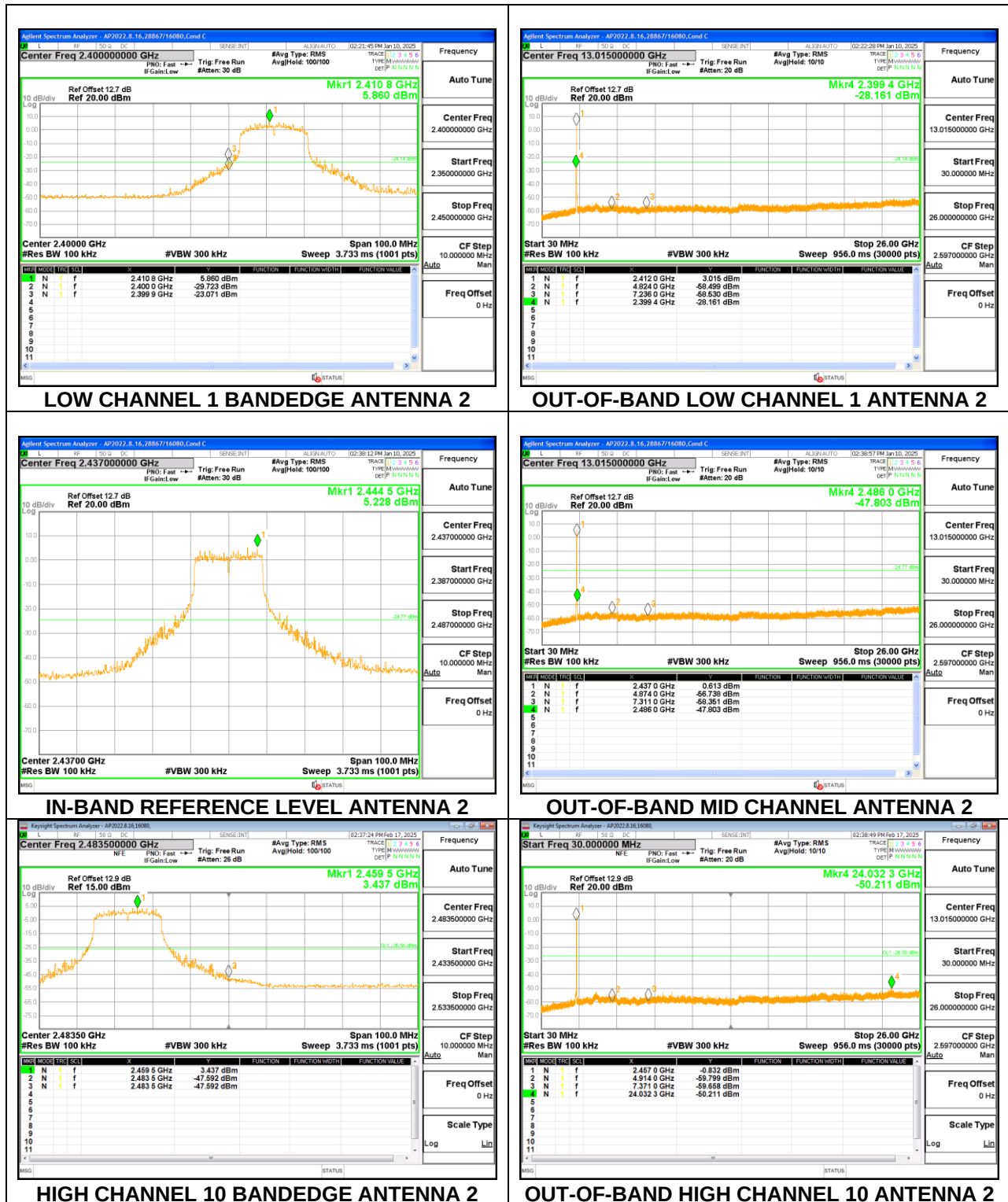
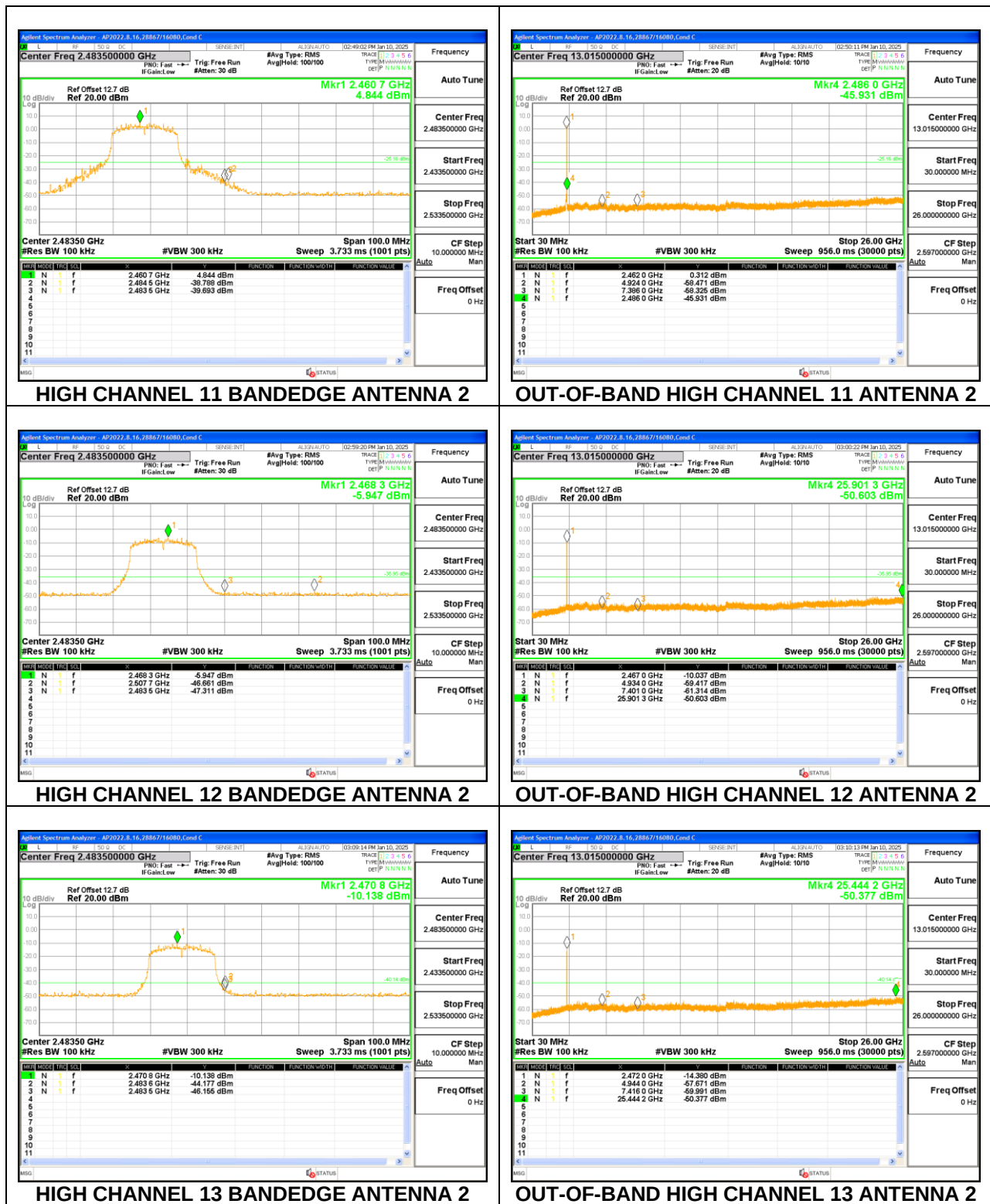






10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

NOTE: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

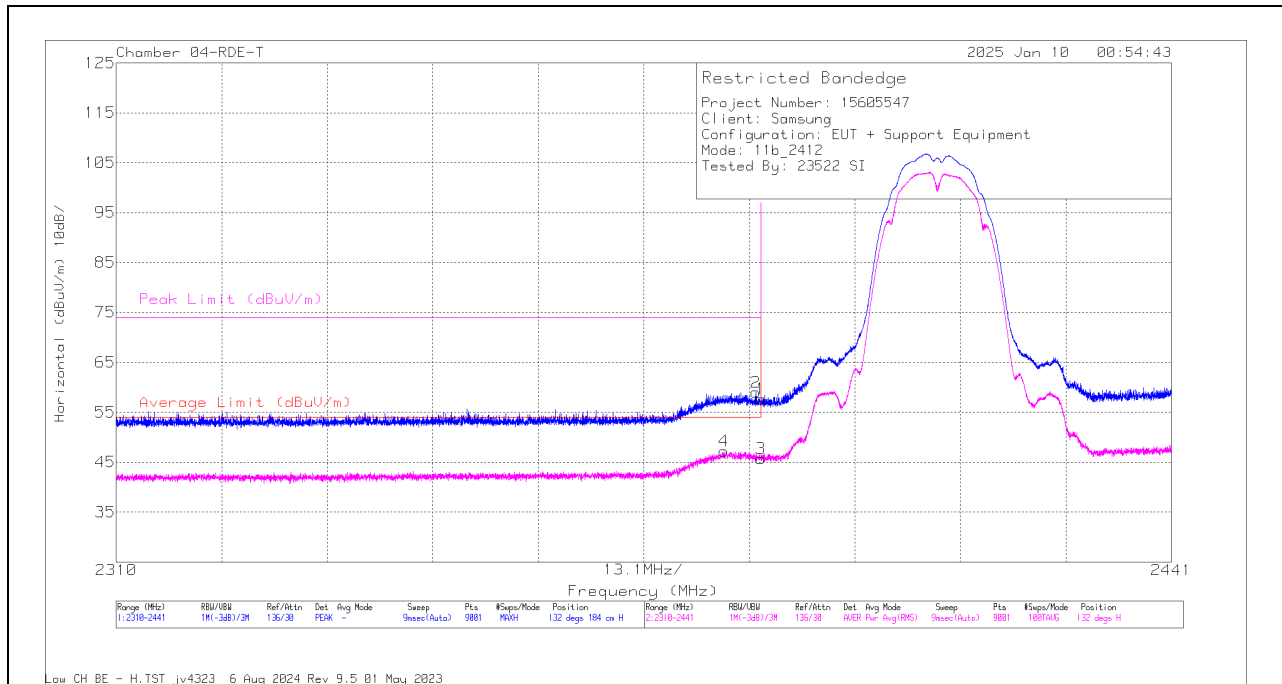
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



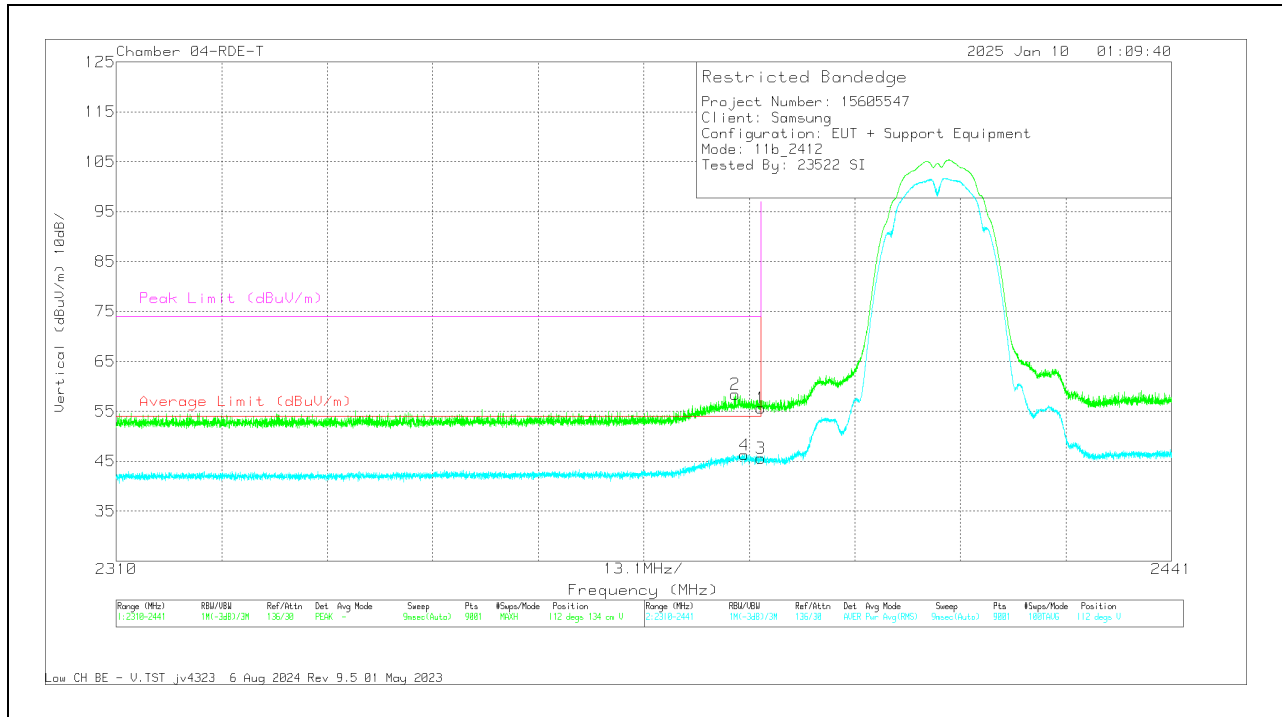
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	64.44	Pk	32	-38.81	57.63	-	-	74	-16.37	132	184	H
2	* 2389.403	65.83	Pk	32	-38.85	58.98	-	-	74	-15.02	132	184	H
3	* 2390	52.57	RMS	32	-38.81	45.76	54	-8.24	-	-	132	184	H
4	* 2385.429	54.11	RMS	32	-38.93	47.18	54	-6.82	-	-	132	184	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	62.44	Pk	32	-38.81	55.63	-	-	74	-18.37	112	134	V
2	* 2386.87	65.31	Pk	32	-38.95	58.36	-	-	74	-15.64	112	134	V
3	* 2390	52.36	RMS	32	-38.81	45.55	54	-8.45	-	-	112	134	V
4	* 2387.976	53.1	RMS	32	-38.82	46.28	54	-7.72	-	-	112	134	V

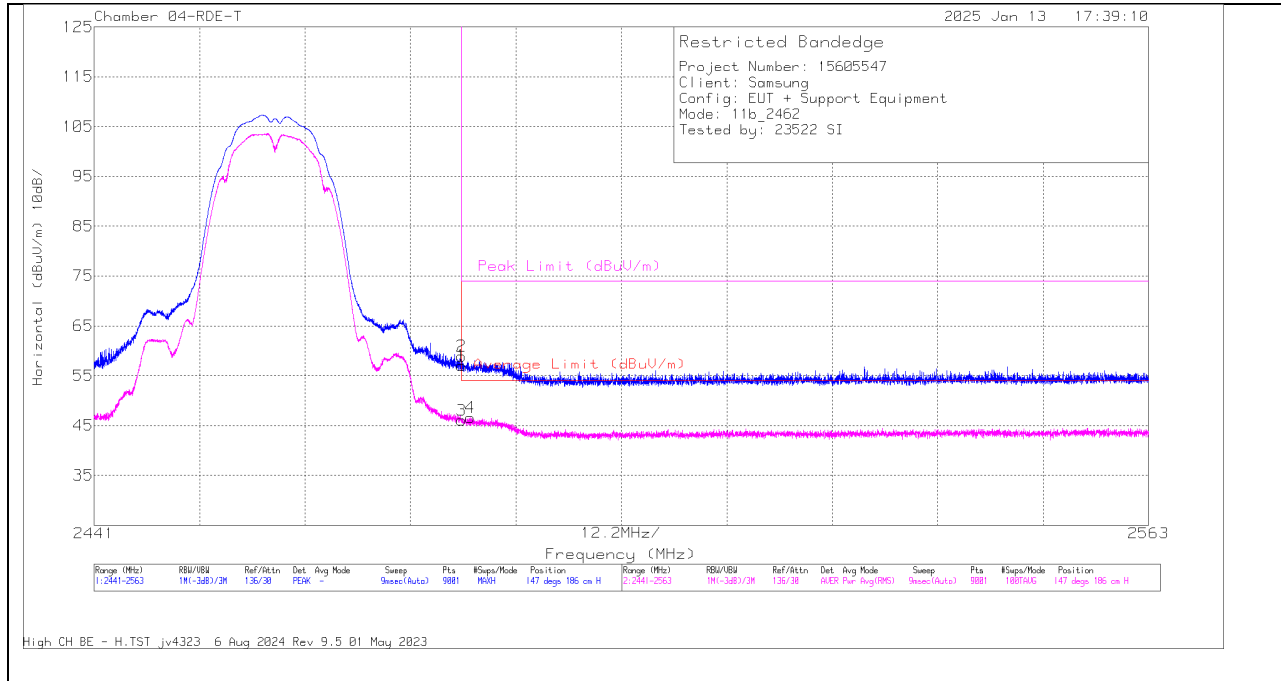
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



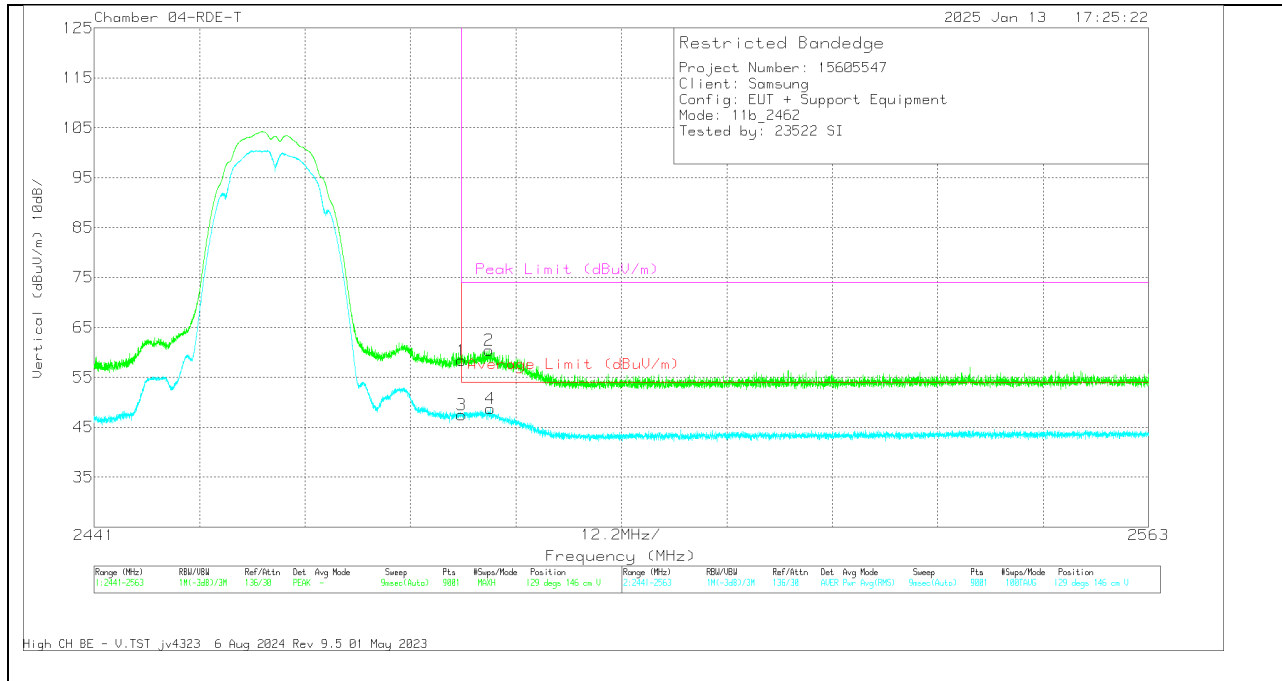
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	63.54	Pk	32.2	-38.74	57	-	-	74	-17	147	186	H
2	* 2483.539	65.42	Pk	32.2	-38.73	58.89	-	-	74	-15.11	147	186	H
3	* 2483.5	52.58	RMS	32.2	-38.74	46.04	54	-7.96	-	-	147	186	H
4	* 2484.501	52.98	RMS	32.3	-38.72	46.56	54	-7.44	-	-	147	186	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dBm)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	64.9	PK	32.2	-38.74	58.36	-	-	74	-15.64	129	146	V
2	* 2486.711	66.84	PK	32.3	-38.7	60.44	-	-	74	-13.56	129	146	V
3	* 2483.5	53.99	RMS	32.2	-38.74	47.45	54	-6.55	-	-	129	146	V
4	* 2486.819	55.11	RMS	32.3	-38.69	48.72	54	-5.28	-	-	129	146	V

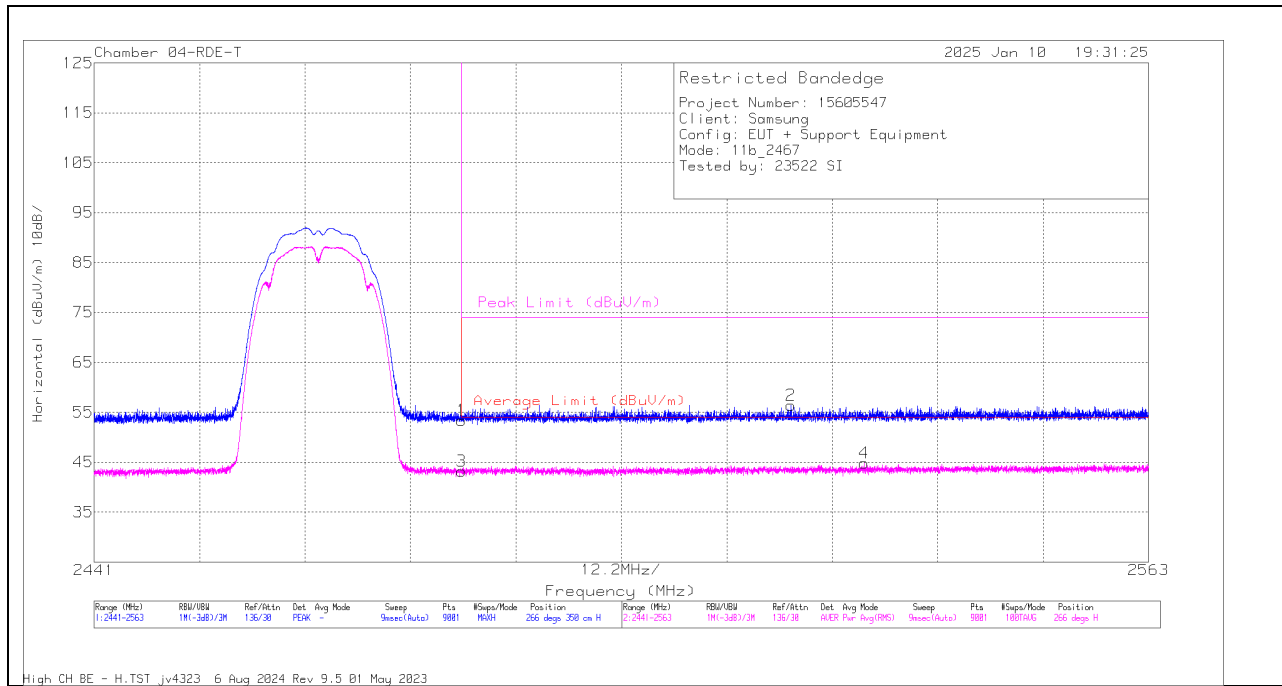
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



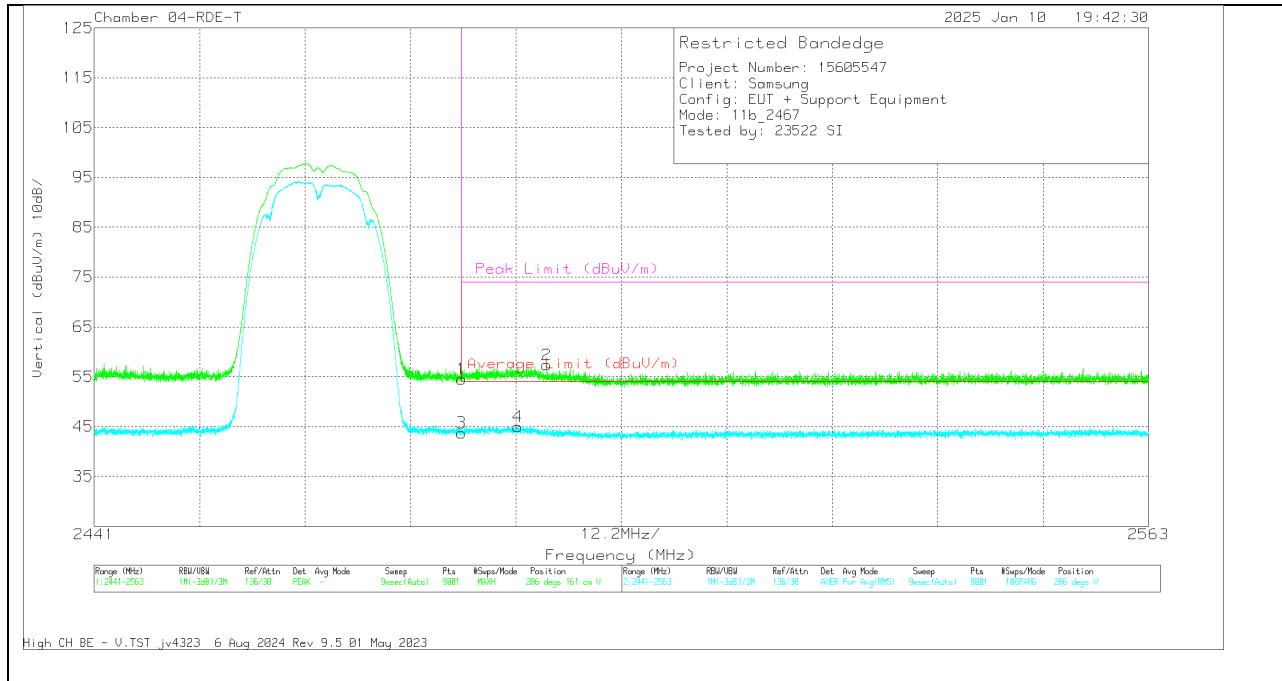
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	59.88	Pk	32.2	-38.74	53.34	-	-	74	-20.66	266	350	H
3	* 2483.5	49.77	RMS	32.2	-38.74	43.23	54	-10.77	-	-	266	350	H
2	2521.604	62.54	Pk	32.4	-38.52	56.42	-	-	74	-17.58	266	350	H
4	2530.09	50.97	RMS	32.4	-38.58	44.79	54	-9.21	-	-	266	350	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	61.03	PK	32.2	-38.74	54.49	-	-	74	-19.51	286	161	V
2	* 2493.38	63.72	PK	32.3	-38.67	57.35	-	-	74	-16.65	286	161	V
3	* 2483.5	50.29	RMS	32.2	-38.74	43.75	54	-10.25	-	-	286	161	V
4	* 2490.019	51.35	RMS	32.3	-38.64	45.01	54	-8.99	-	-	286	161	V

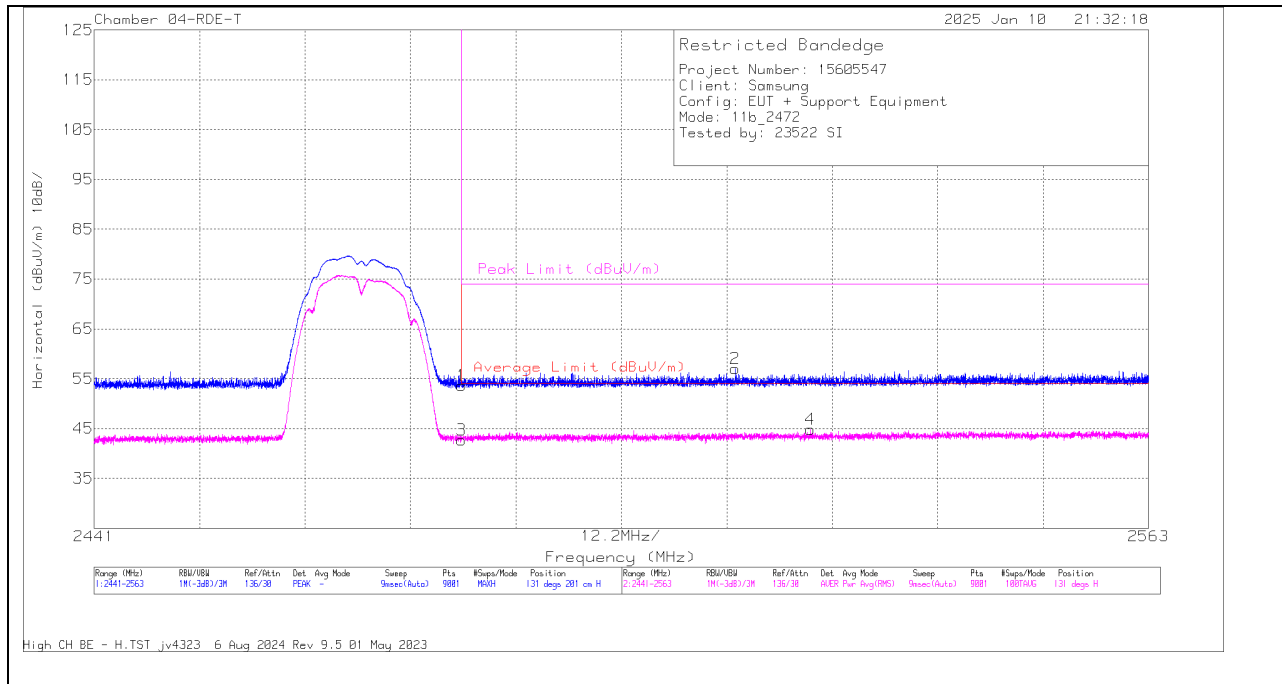
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

MS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



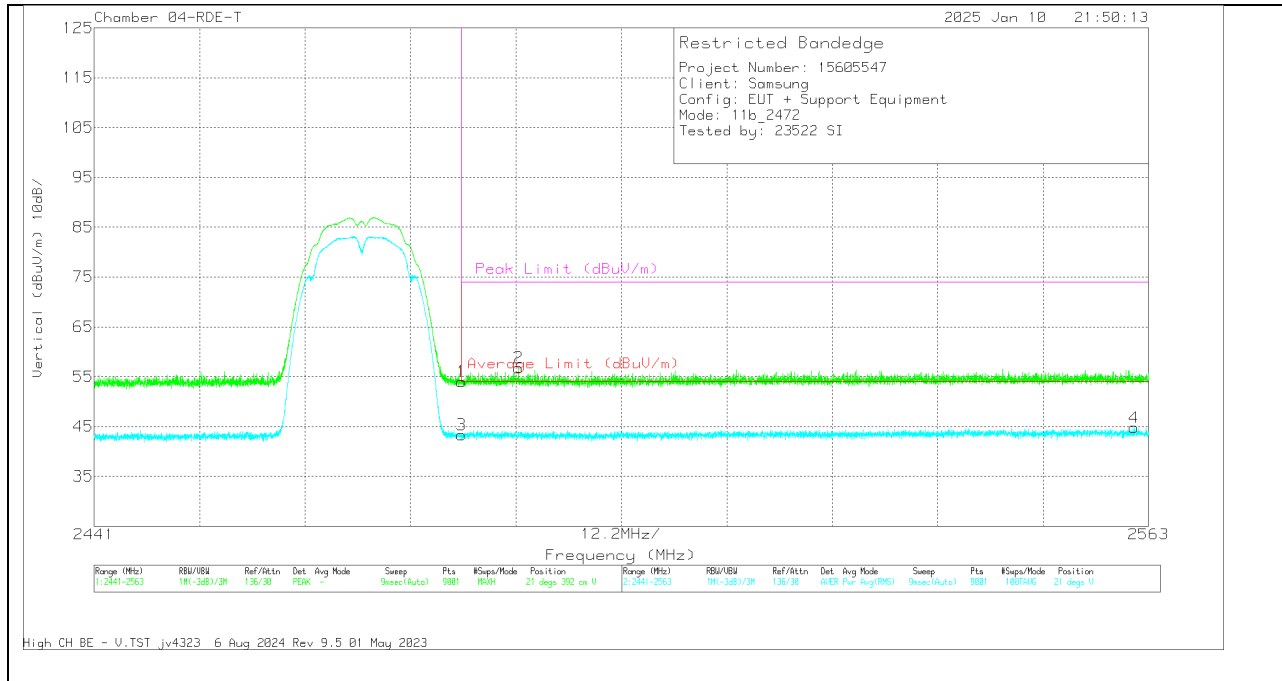
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.15	Pk	32.2	-38.74	53.61	-	-	74	-20.39	131	201	H
3	* 2483.5	49.27	RMS	32.2	-38.74	42.73	54	-11.27	-	-	131	201	H
2	2515.206	63.1	Pk	32.4	-38.47	57.03	-	-	74	-16.97	131	201	H
4	2523.895	50.91	RMS	32.4	-38.52	44.79	54	-9.21	-	-	131	201	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.55	PK	32.2	-38.74	54.01	-	-	74	-19.99	21	392	V
2	* 2490.113	63.1	PK	32.3	-38.64	56.76	-	-	74	-17.24	21	392	V
3	* 2483.5	49.9	RMS	32.2	-38.74	43.36	54	-10.64	-	-	21	392	V
4	2561.323	50.66	RMS	32.4	-38.28	44.78	54	-9.22	-	-	21	392	V

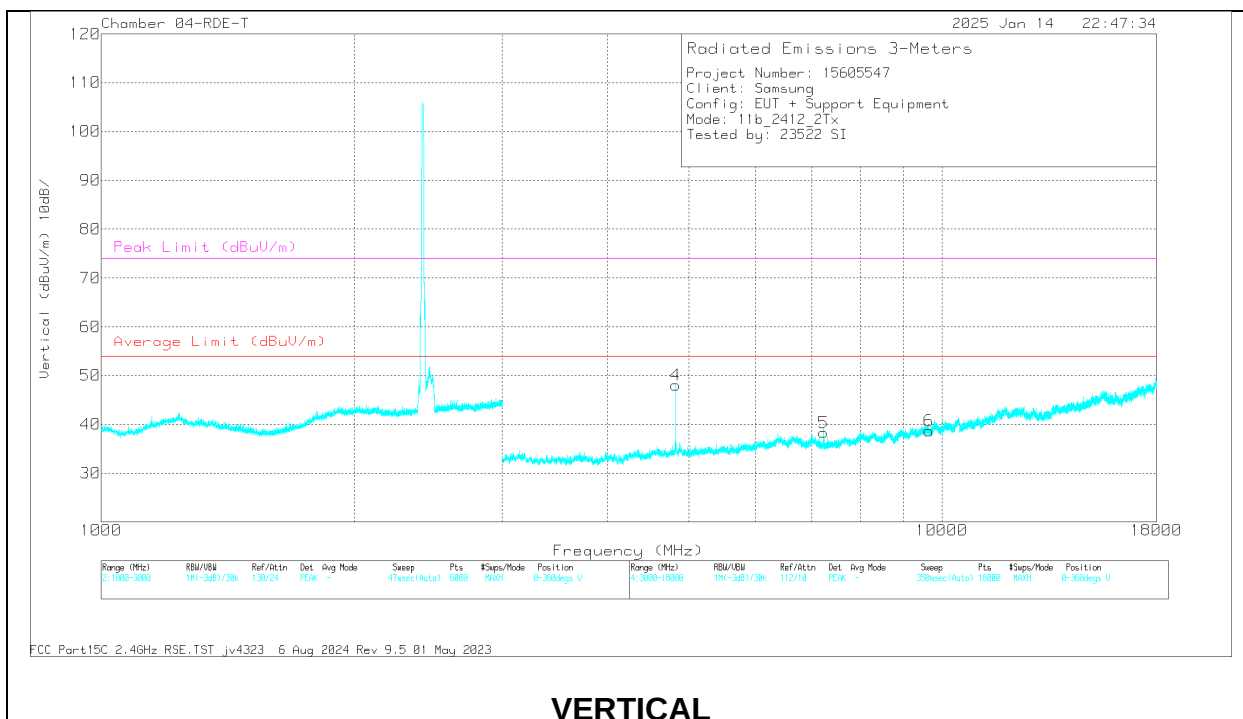
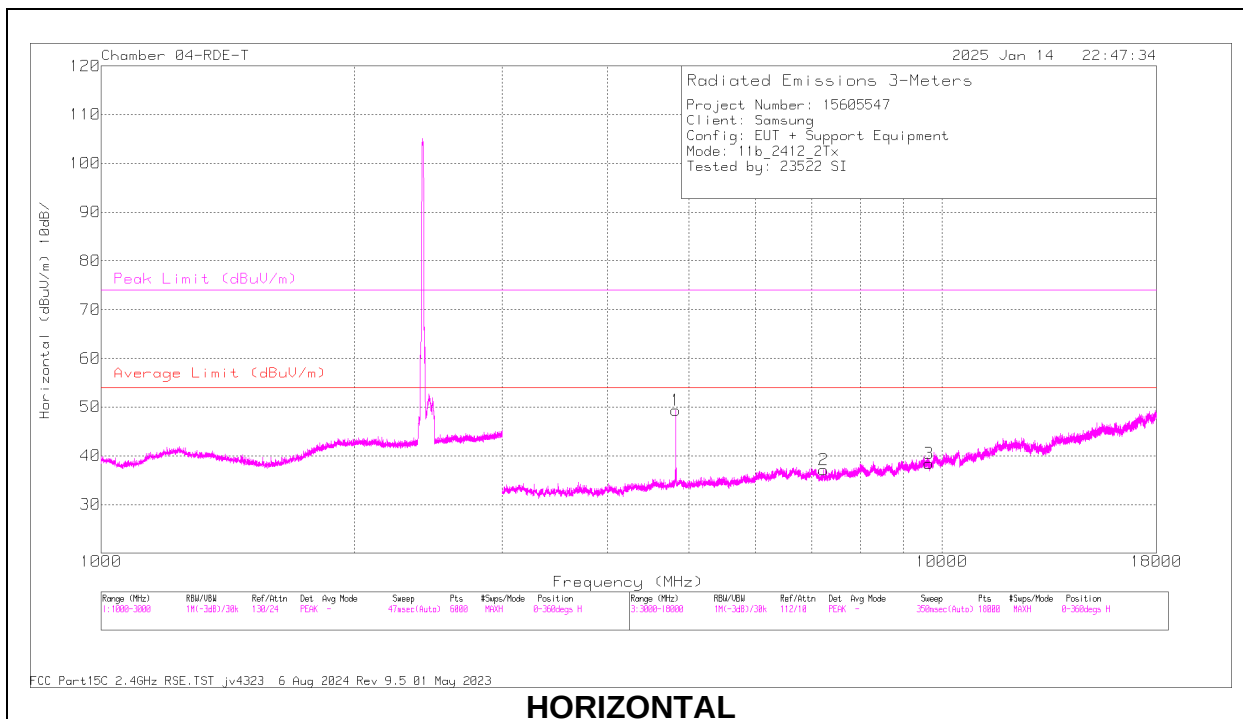
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

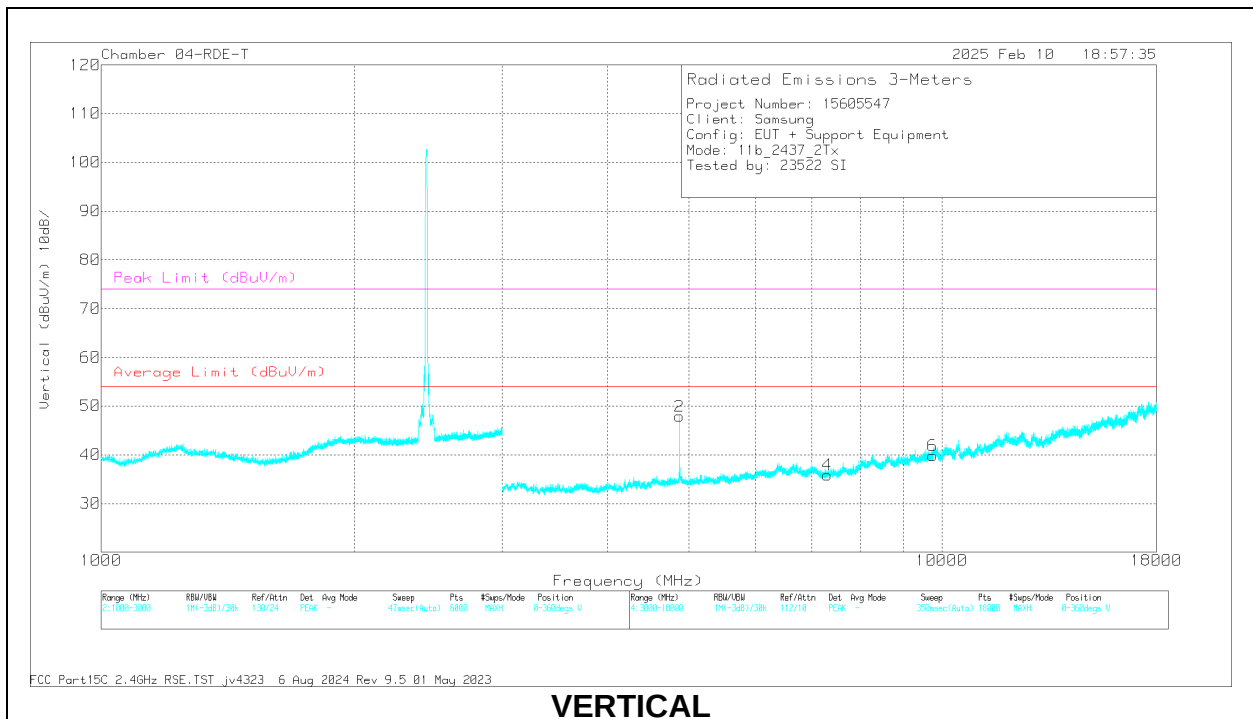
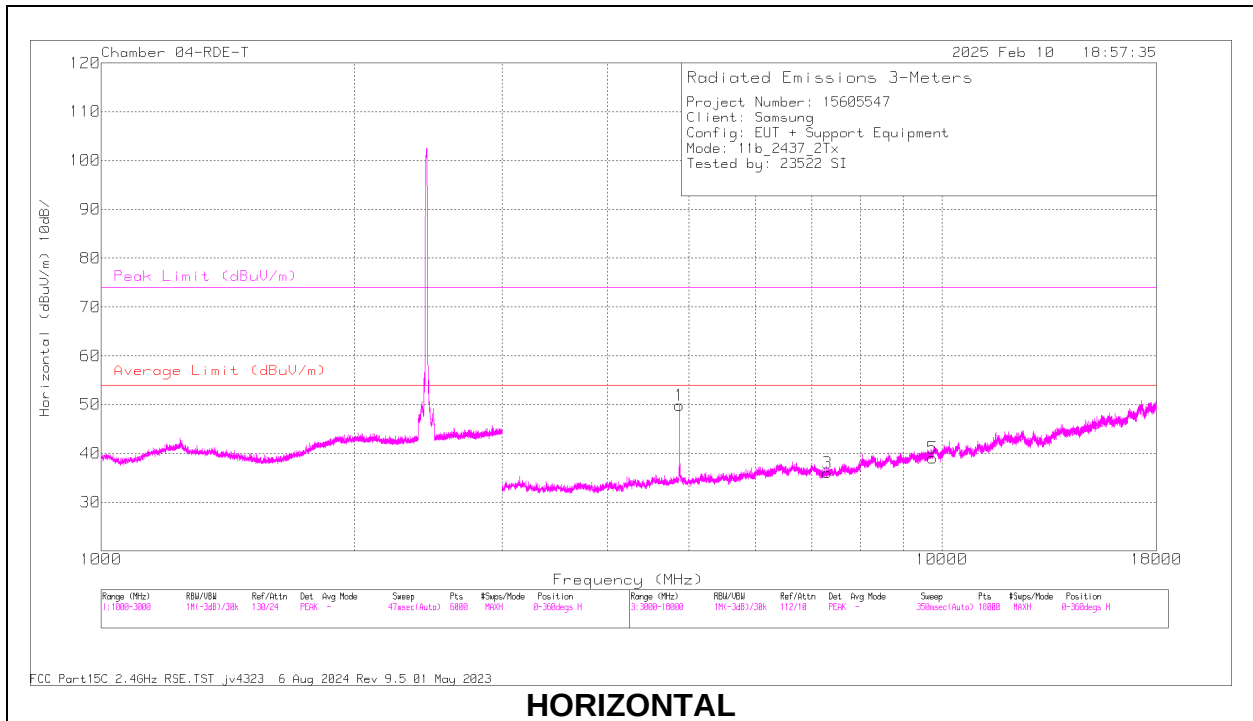
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4823.975	65.14	PK2	34.2	-46.41	52.93	-	-	74	-21.07	300	121	H
	* 4823.917	61.28	MAv1	34.2	-46.4	49.08	54	-4.92	-	-	300	121	H
2	7235.131	56.44	PK2	35.4	-44.08	47.76	-	-	-	-	9	165	H
3	9647.972	54.35	PK2	36.8	-41.67	49.48	-	-	-	-	341	308	H
4	* 4823.754	65.14	PK2	34.2	-46.38	52.96	-	-	74	-21.04	283	275	V
	* 4823.915	60.89	MAv1	34.2	-46.4	48.69	54	-5.31	-	-	283	275	V
5	7234.618	57.91	PK2	35.4	-44.06	49.25	-	-	-	-	208	206	V
6	9648.146	54.95	PK2	36.8	-41.68	50.07	-	-	-	-	272	280	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS

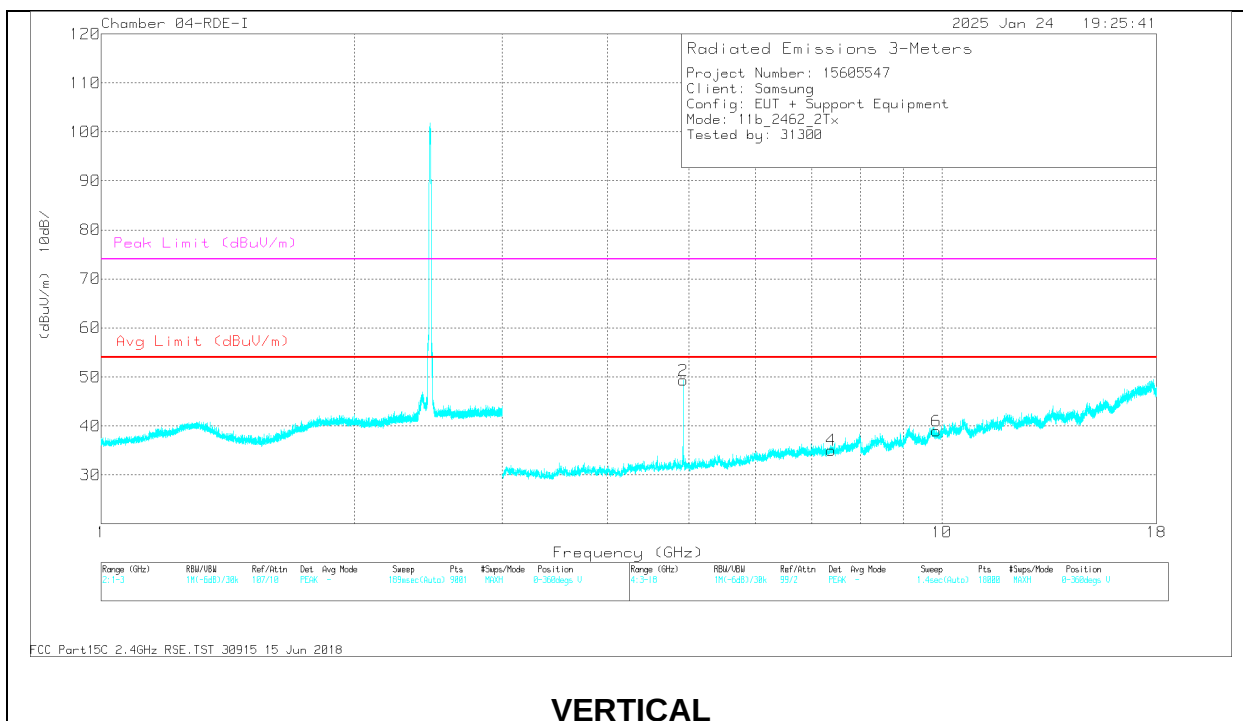
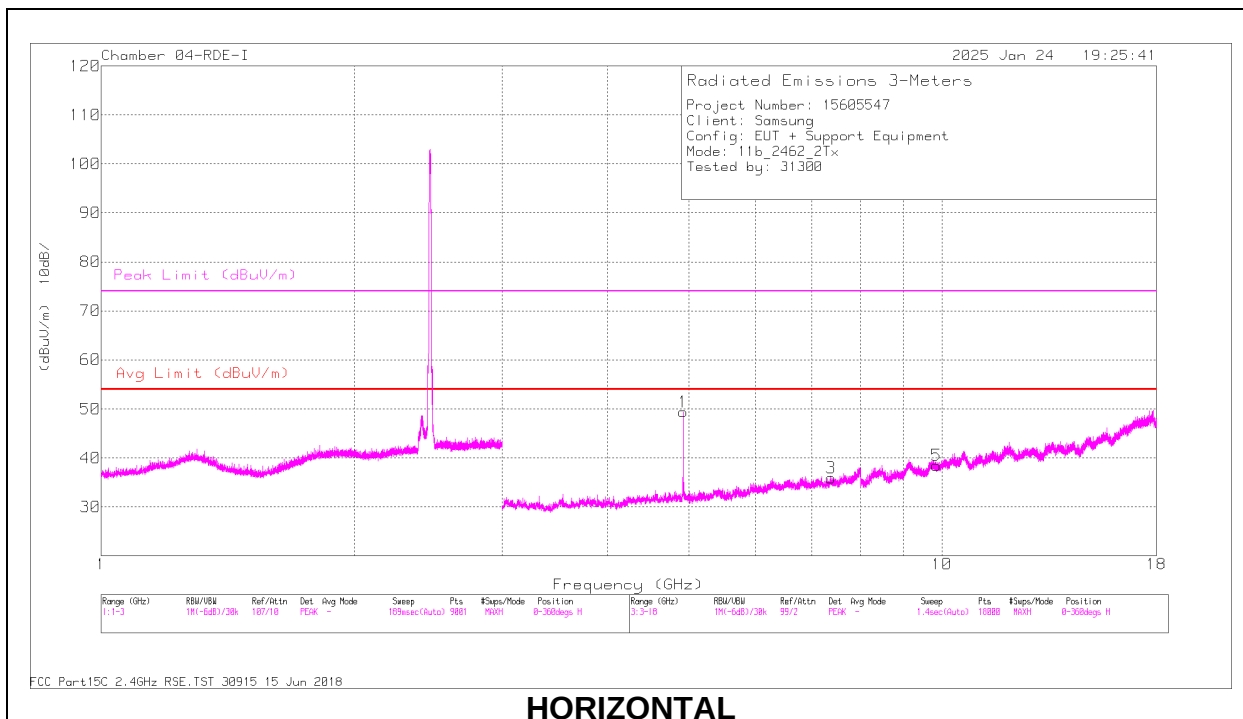


RADIATED EMISSIONS

Marker	Frequency (MHz)	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)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4874.063	66.6	PK2	34.3	-46.49	54.41	-	-	74	-19.59	299	138	H
	* 4874.006	62.81	MAV1	34.3	-46.49	50.62	54	-3.38	-	-	299	138	H
2	* 4873.996	66.01	PK2	34.3	-46.49	53.82	-	-	74	-20.18	278	271	V
	* 4874.006	61.98	MAV1	34.3	-46.49	49.79	54	-4.21	-	-	278	271	V
3	* 7309.857	55.45	PK2	35.3	-44.03	46.72	-	-	74	-27.28	223	345	H
	* 7311.427	43.78	MAV1	35.3	-44.01	35.07	54	-18.93	-	-	223	345	H
4	* 7308.837	55.46	PK2	35.3	-44.03	46.73	-	-	74	-27.27	161	196	V
	* 7310.671	43.7	MAV1	35.3	-44.02	34.98	54	-19.02	-	-	161	196	V
5	9748.711	44.54	Pk	36.9	-42.35	39.09	-	-	74	-34.91	0-360	200	H
6	9748.711	45.31	Pk	36.9	-42.35	39.86	-	-	74	-34.14	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

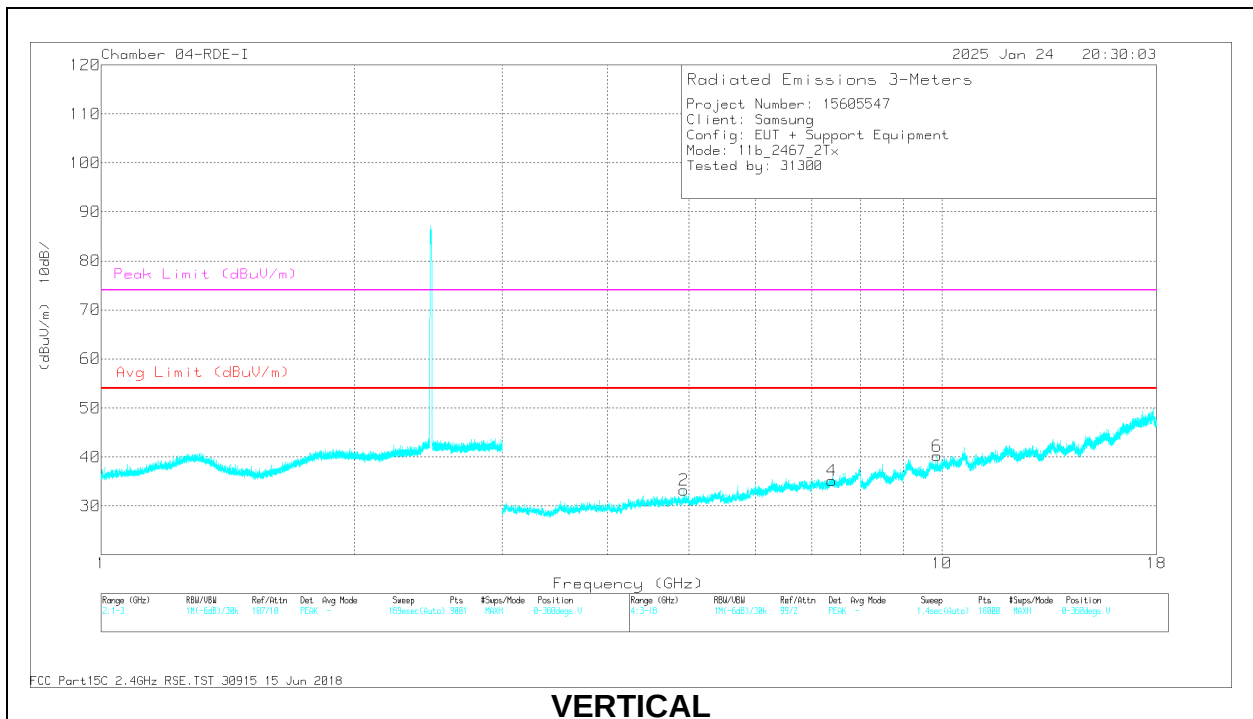
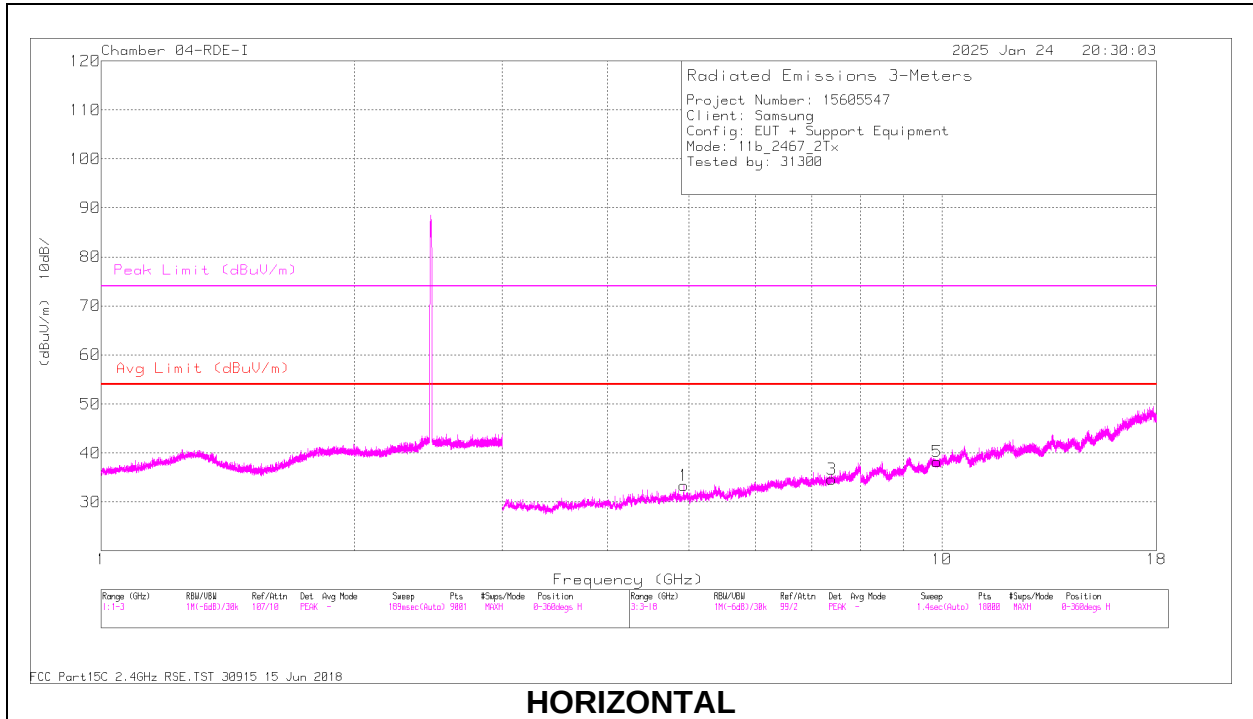
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.923969	45.74	PK2	34.1	-26.9	52.94	-	-	74	-21.06	215	162	H
	* 4.924009	42.88	MAv1	34.1	-26.9	50.08	54	-3.92	-	-	215	162	H
2	* 7.381008	33	PK2	35.6	-23.6	45	-	-	74	-29	301	199	H
	* 7.382139	21.62	MAv1	35.6	-23.6	33.62	54	-20.38	-	-	301	199	H
3	* 4.924014	45.3	PK2	34.1	-26.9	52.5	-	-	74	-21.5	196	245	V
	* 4.923994	42.75	MAv1	34.1	-26.9	49.95	54	-4.05	-	-	196	245	V
4	* 7.384083	32.17	PK2	35.6	-23.5	44.27	-	-	74	-29.73	327	101	V
	* 7.383219	21.23	MAv1	35.6	-23.5	33.33	54	-20.67	-	-	327	101	V
5	9.846912	32.78	PK2	37	-21.3	48.48	-	-	-	-	93	136	V
6	9.85093	32.37	PK2	37	-21.4	47.97	-	-	-	-	272	182	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 12 RESULTS



RADIATED EMISSIONS

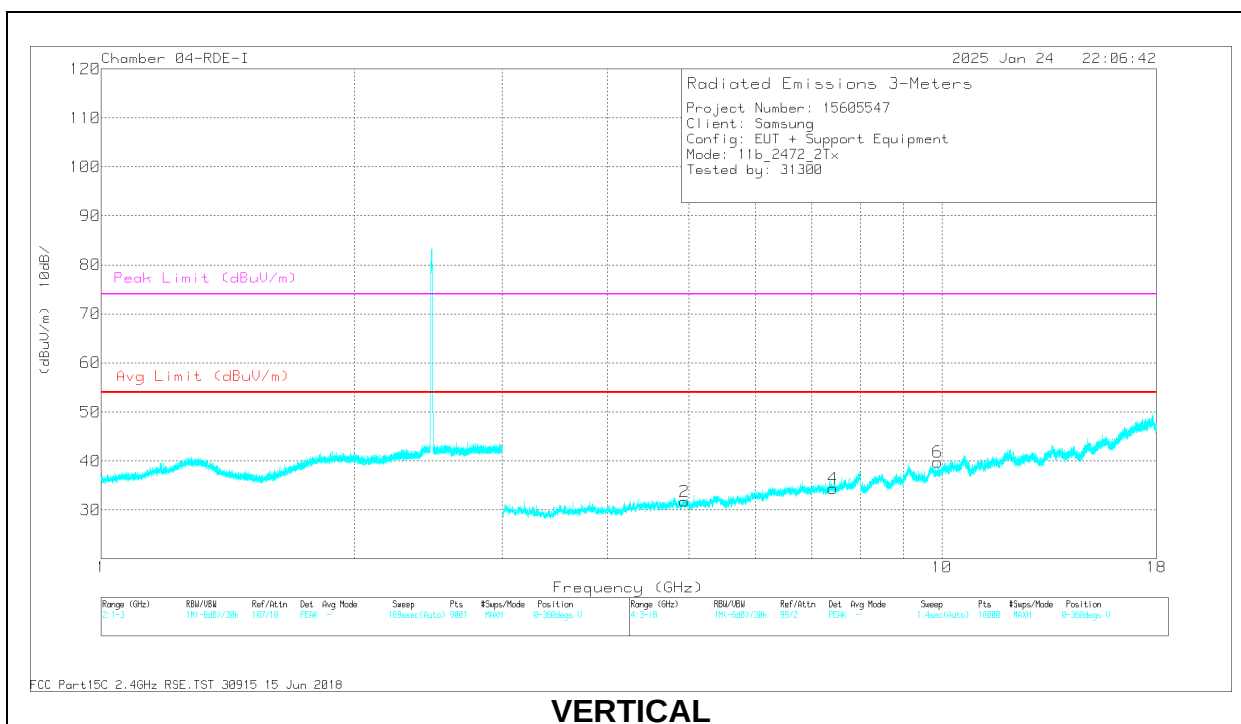
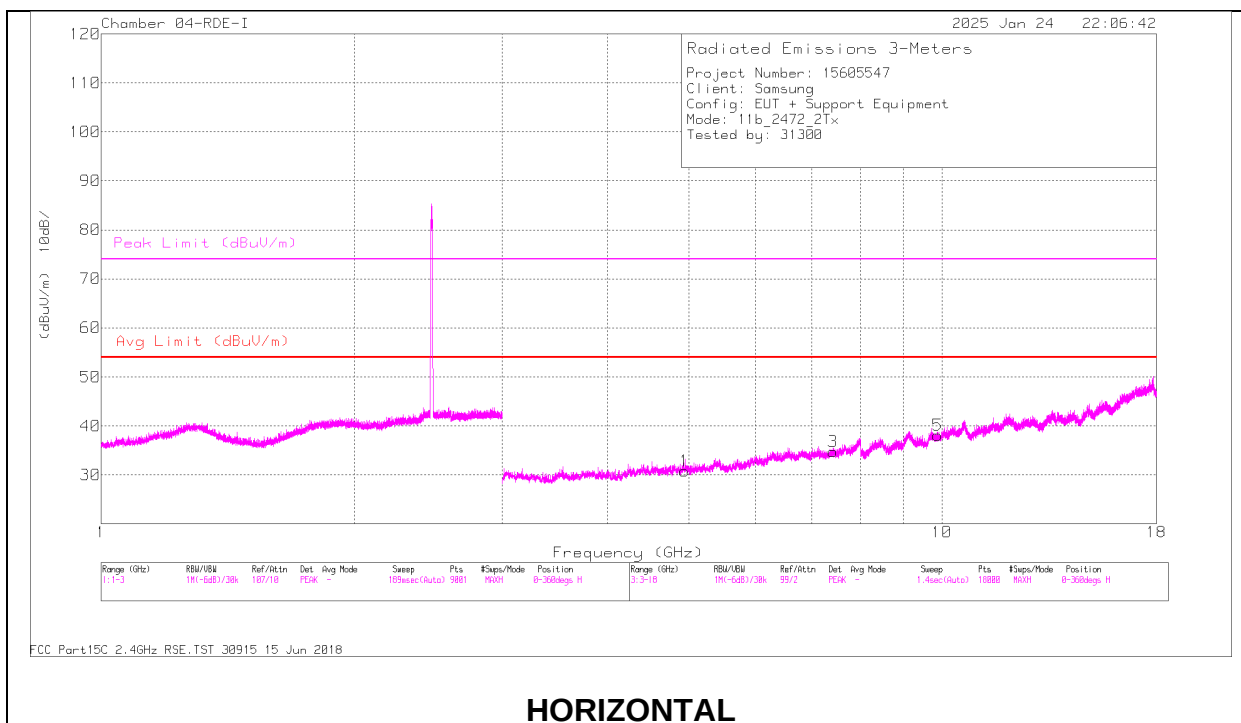
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.934083	36.4	PK2	34.1	-27	43.5	-	-	74	-30.5	219	162	H
	* 4.933952	27.37	MAv1	34.1	-27	34.47	54	-19.53	-	-	219	162	H
3	* 7.399797	33.17	PK2	35.6	-23.4	45.37	-	-	74	-28.63	19	200	H
	* 7.403537	21.34	MAv1	35.6	-23.4	33.54	54	-20.46	-	-	19	200	H
2	* 4.927189	35.14	PK2	34.1	-26.9	42.34	-	-	74	-31.66	62	243	V
	* 4.93783	24.07	MAv1	34.1	-27.1	31.07	54	-22.93	-	-	62	243	V
4	* 7.400674	32.46	PK2	35.6	-23.4	44.66	-	-	74	-29.34	43	174	V
	* 7.400795	21.16	MAv1	35.6	-23.4	33.36	54	-20.64	-	-	43	174	V
6	9.868074	33.44	PK2	37	-21.4	49.04	-	-	-	-	127	242	V
5	9.878058	32.9	PK2	37	-21.4	48.5	-	-	-	-	59	101	H

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.946084	34.37	PK2	34.2	-27.1	41.47	-	-	74	-32.53	42	200	H
	* 4.948644	23.35	MAv1	34.2	-27.2	30.35	54	-23.65	-	-	42	200	H
3	* 7.411028	32.86	PK2	35.6	-23.5	44.96	-	-	74	-29.04	212	173	H
	* 7.409371	21.16	MAv1	35.6	-23.5	33.26	54	-20.74	-	-	212	173	H
2	* 4.940153	34.95	PK2	34.1	-27.1	41.95	-	-	74	-32.05	218	166	V
	* 4.944201	23.4	MAv1	34.1	-27.1	30.4	54	-23.6	-	-	218	166	V
4	* 7.411379	32.3	PK2	35.6	-23.5	44.4	-	-	74	-29.6	6	200	V
	* 7.422143	21.08	MAv1	35.5	-23.4	33.18	54	-20.82	-	-	6	200	V
5	9.891863	32.75	PK2	37.1	-21.3	48.55	-	-	-	-	333	101	H
6	9.884975	32.28	PK2	37	-21.3	47.98	-	-	-	-	186	133	V

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

PK2 - KDB558074 Method: Maximum Peak

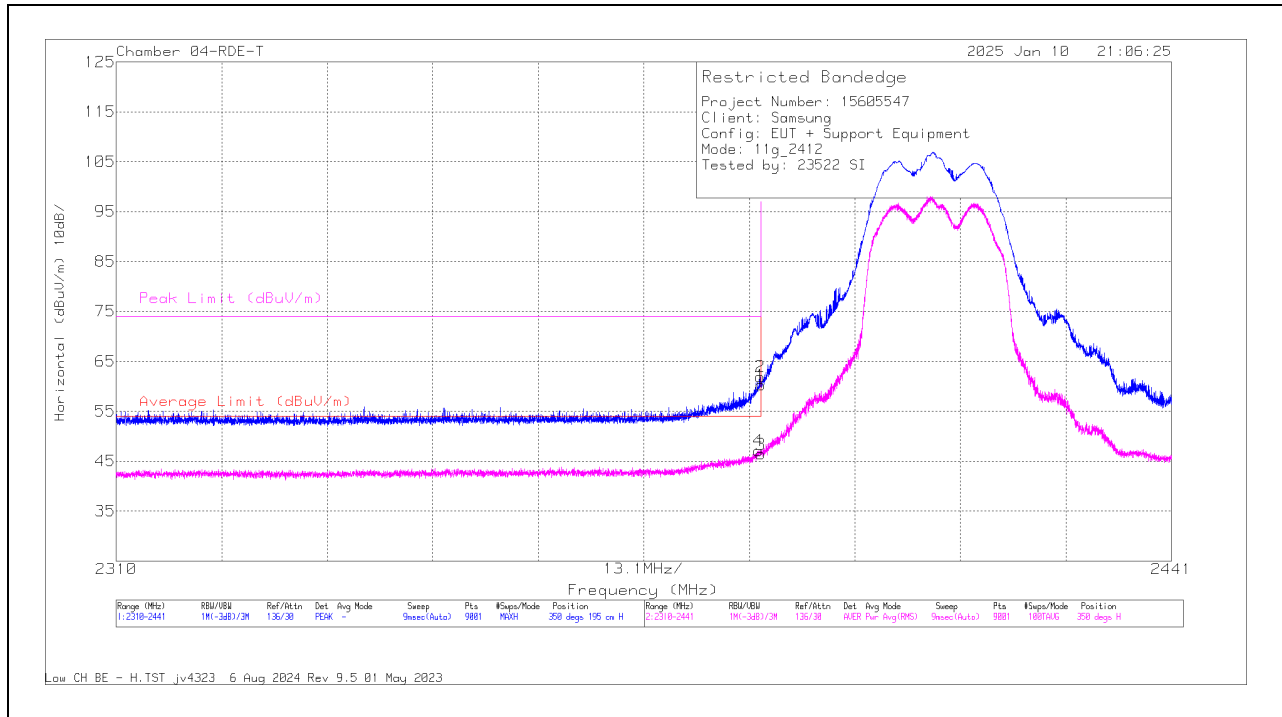
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

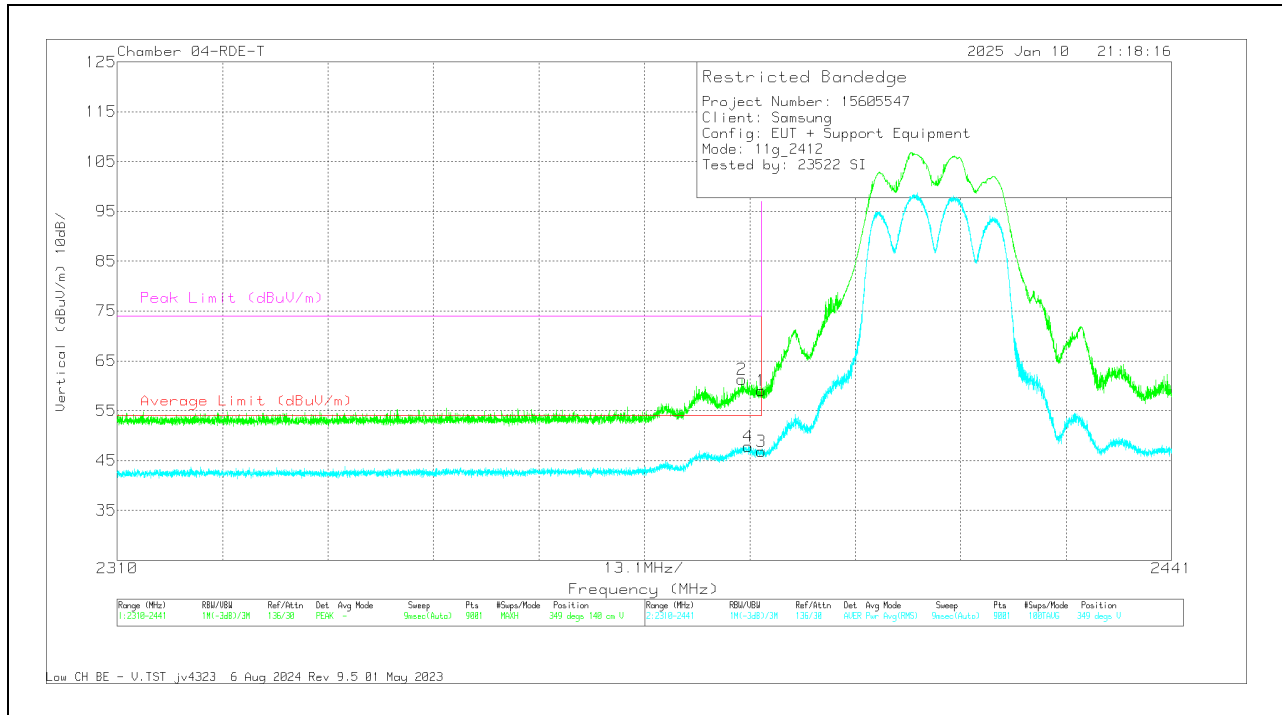
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	67.05	Pk	32	0	-38.81	60.24	-	-	74	-13.76	350	195	H
2	* 2389.942	68.69	Pk	32	0	-38.81	61.88	-	-	74	-12.12	350	195	H
3	* 2390	52.84	RMS	32	.41	-38.81	46.44	54	-7.56	-	-	350	195	H
4	* 2389.709	53.59	RMS	32	.41	-38.83	47.17	54	-6.83	-	-	350	195	H

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

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	65.86	Pk	32	0	-38.81	59.05	-	-	74	-14.95	349	140	V
2	* 2387.598	68.13	Pk	32	0	-38.87	61.26	-	-	74	-12.74	349	140	V
3	* 2390	53.2	RMS	32	.41	-38.81	46.8	54	-7.2	-	-	349	140	V
4	* 2388.384	54.3	RMS	32	.41	-38.84	47.87	54	-6.13	-	-	349	140	V

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

BANDEDGE (HIGH CHANNEL, CH 10)

HORIZONTAL RESULT



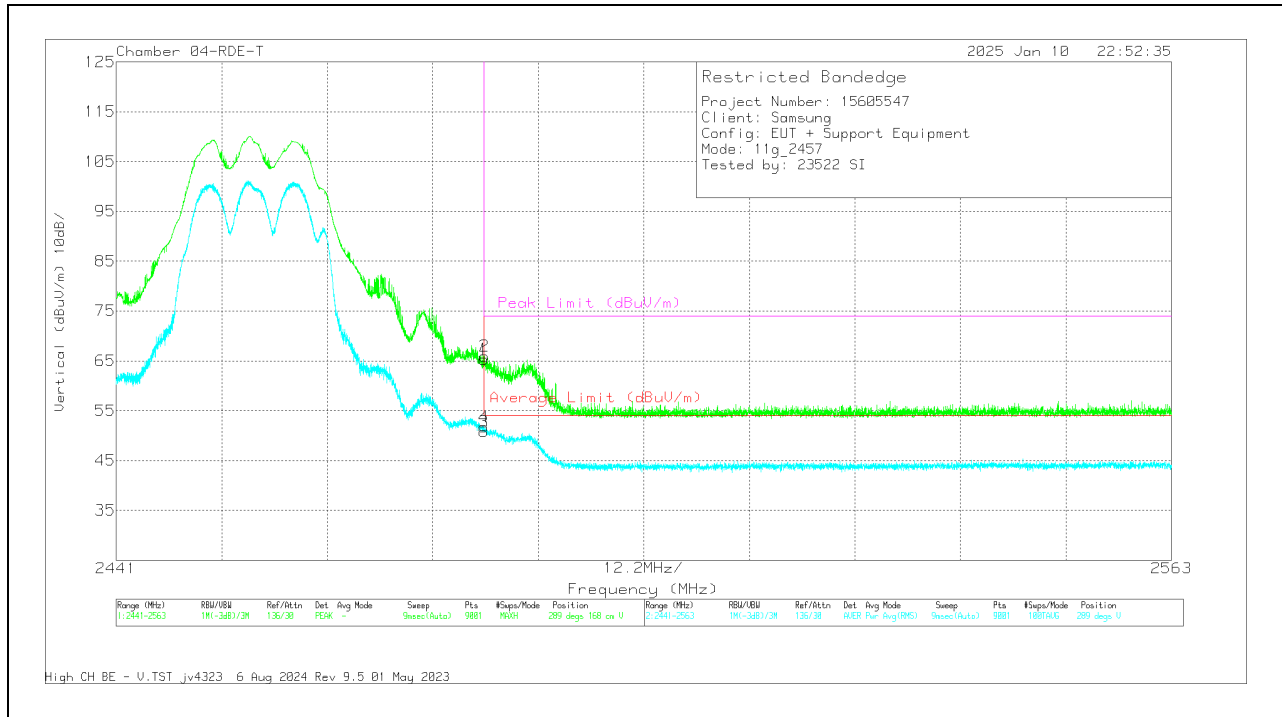
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	67.65	Pk	32.2	0	-38.74	61.11	-	-	74	-12.89	269	219	H
2	* 2483.647	69.4	Pk	32.2	0	-38.73	62.87	-	-	74	-11.13	269	219	H
3	* 2483.5	54.06	RMS	32.2	.41	-38.74	47.93	54	-6.07	-	-	269	219	H
4	* 2483.647	54.84	RMS	32.2	.41	-38.73	48.72	54	-5.28	-	-	269	219	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	71.85	Pk	32.2	0	-38.74	65.31	-	-	74	-8.69	289	168	V
2	* 2483.607	72.45	Pk	32.2	0	-38.73	65.92	-	-	74	-8.08	289	168	V
3	* 2483.5	56.93	RMS	32.2	.41	-38.74	50.8	54	-3.2	-	-	289	168	V
4	* 2483.539	57.81	RMS	32.2	.41	-38.73	51.69	54	-2.31	-	-	289	168	V

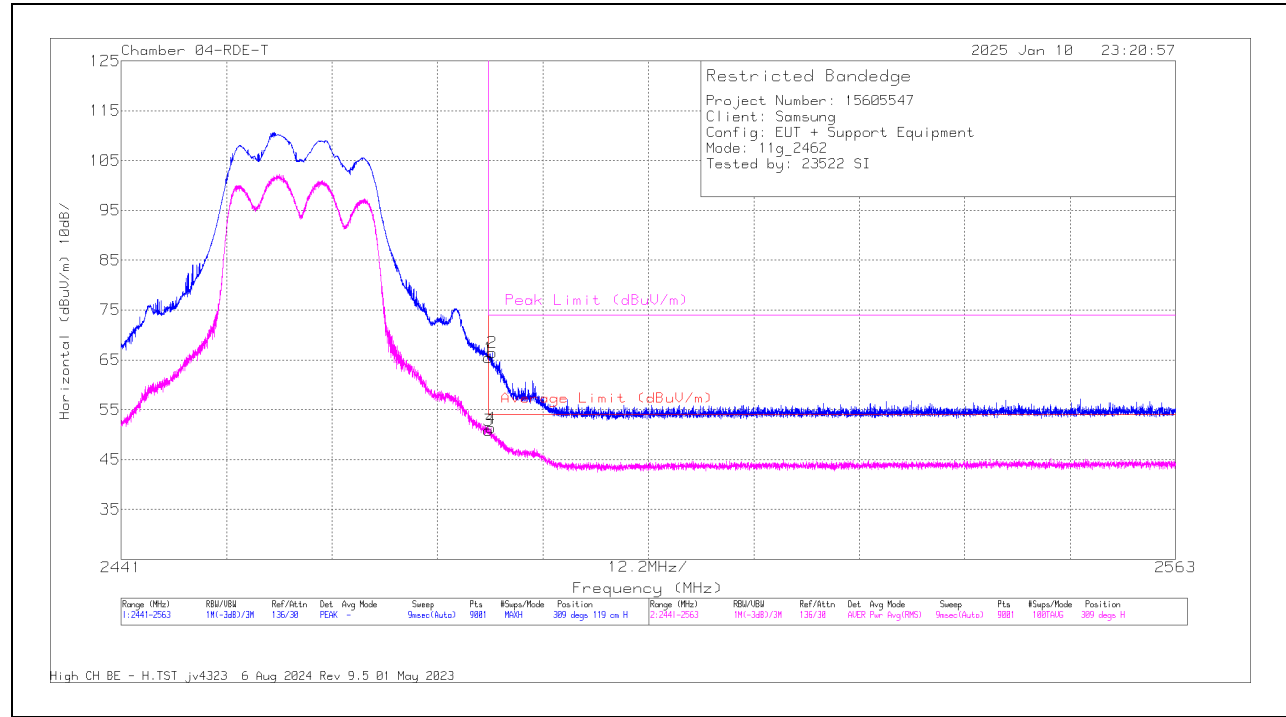
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



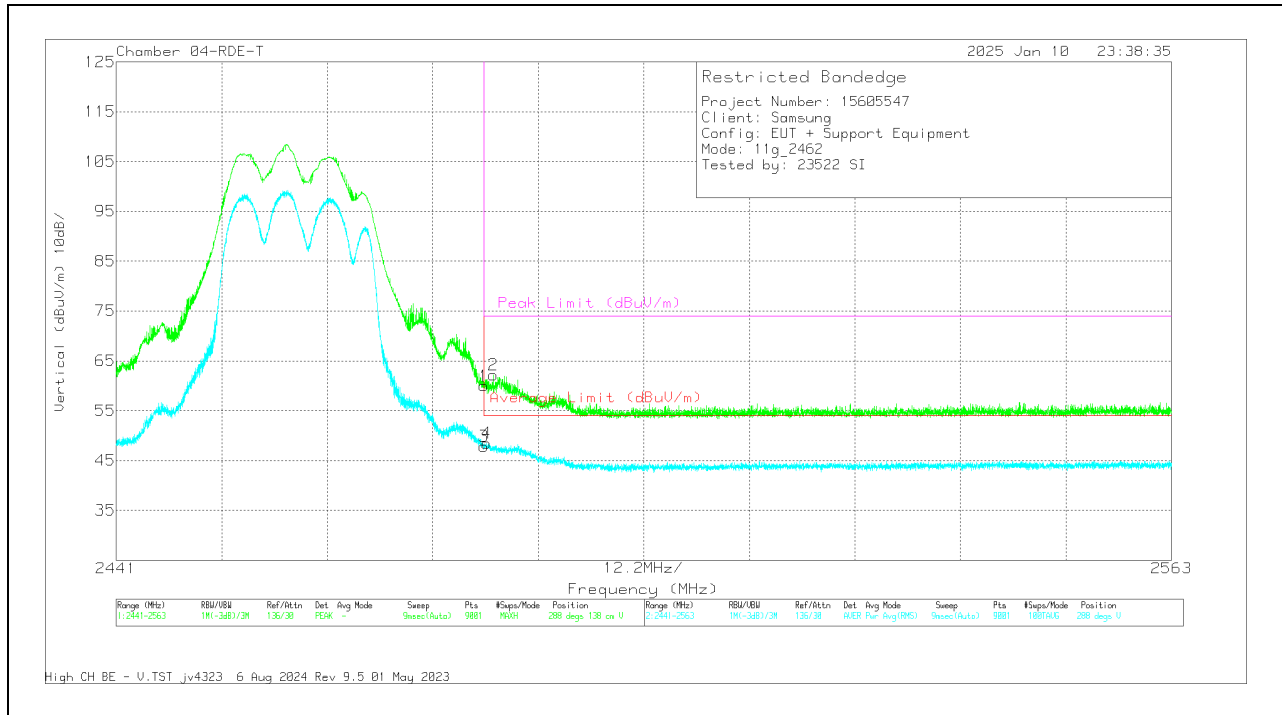
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	71.92	Pk	32.2	0	-38.74	65.38	-	-	74	-8.62	309	119	H
2	* 2483.945	72.94	Pk	32.2	0	-38.72	66.42	-	-	74	-7.58	309	119	H
3	* 2483.5	57	RMS	32.2	.41	-38.74	50.87	54	-3.13	-	-	309	119	H
4	* 2483.81	57.43	RMS	32.2	.41	-38.73	51.31	54	-2.69	-	-	309	119	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	66.52	PK	32.2	0	-38.74	59.98	-	-	74	-14.02	288	138	V
2	* 2484.596	68.55	PK	32.3	0	-38.72	62.13	-	-	74	-11.87	288	138	V
3	* 2483.5	54.03	RMS	32.2	.41	-38.74	47.9	54	-6.1	-	-	288	138	V
4	* 2483.837	54.59	RMS	32.2	.41	-38.72	48.48	54	-5.52	-	-	288	138	V

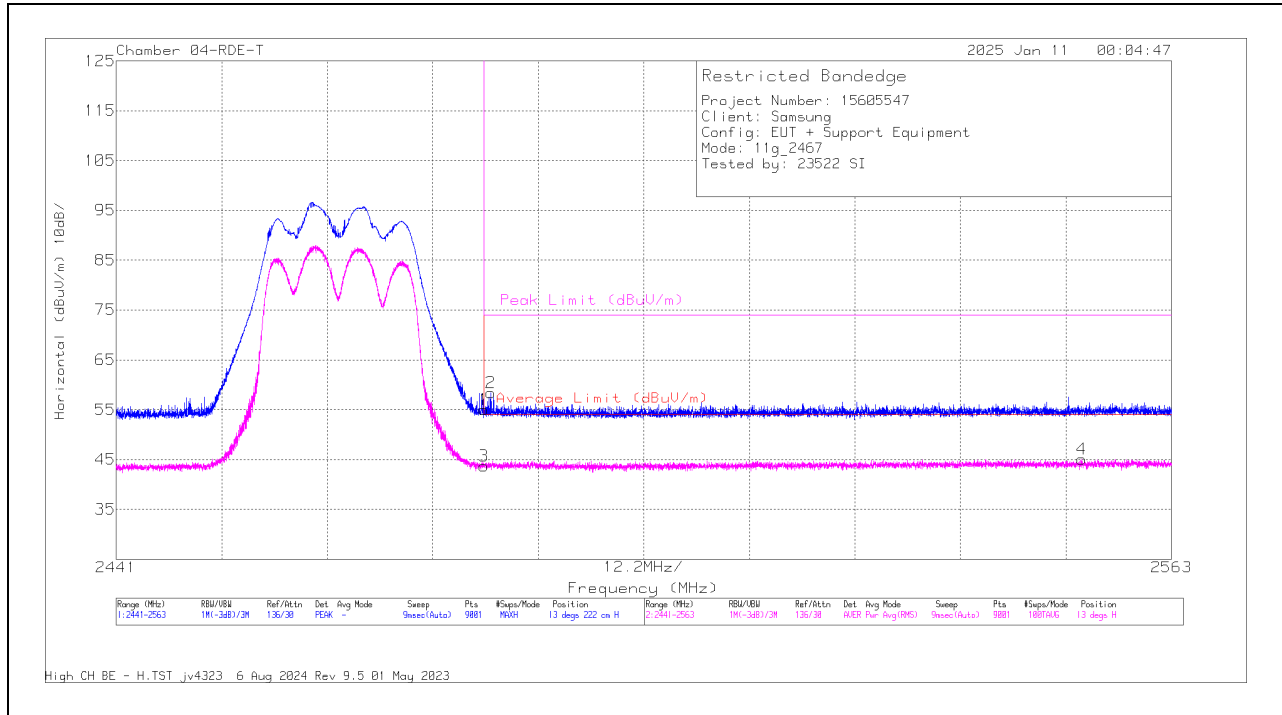
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

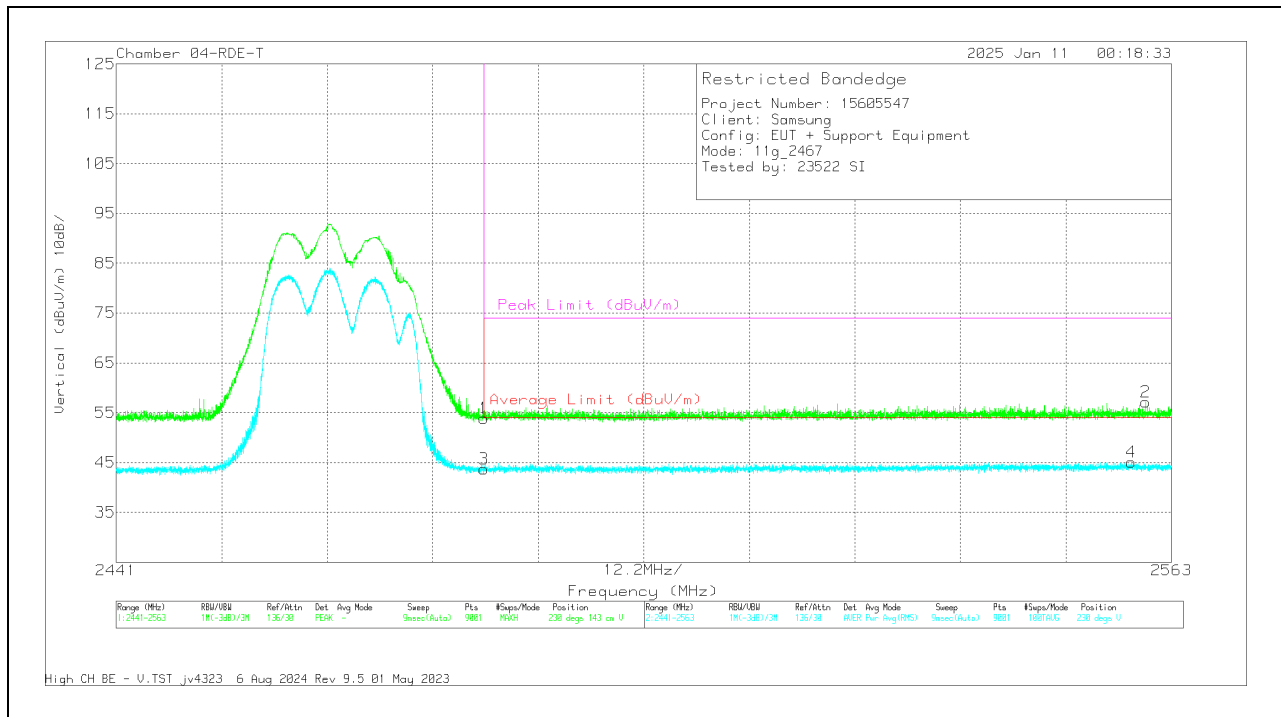
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	61.53	Pk	32.2	0	-38.74	54.99	-	-	74	-19.01	13	222	H
2	* 2484.339	64.91	Pk	32.2	0	-38.72	58.39	-	-	74	-15.61	13	222	H
3	* 2483.5	49.88	RMS	32.2	.41	-38.74	43.75	54	-10.25	-	-	13	222	H
4	2552.607	50.66	RMS	32.4	.41	-38.41	45.06	54	-8.94	-	-	13	222	H

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

VERTICAL RESULT

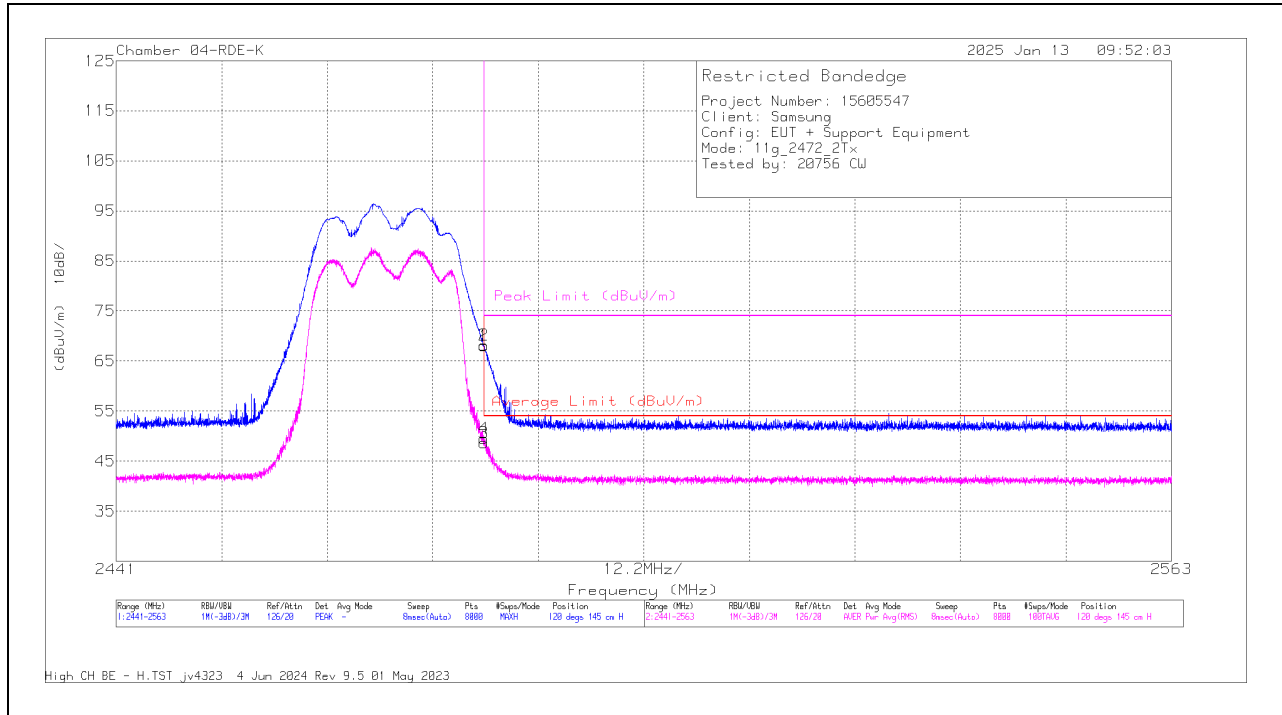


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	79834 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	60.42	PK	32.2	0	-38.74	53.88	-	-	74	-20.12	230	143	V
2	2560.008	63.05	PK	32.4	0	-38.31	57.14	-	-	74	-16.86	230	143	V
3	* 2483.5	49.87	RMS	32.2	.41	-38.74	43.74	54	-10.26	-	-	230	143	V
4	2558.341	50.54	RMS	32.4	.41	-38.28	45.07	54	-8.93	-	-	230	143	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



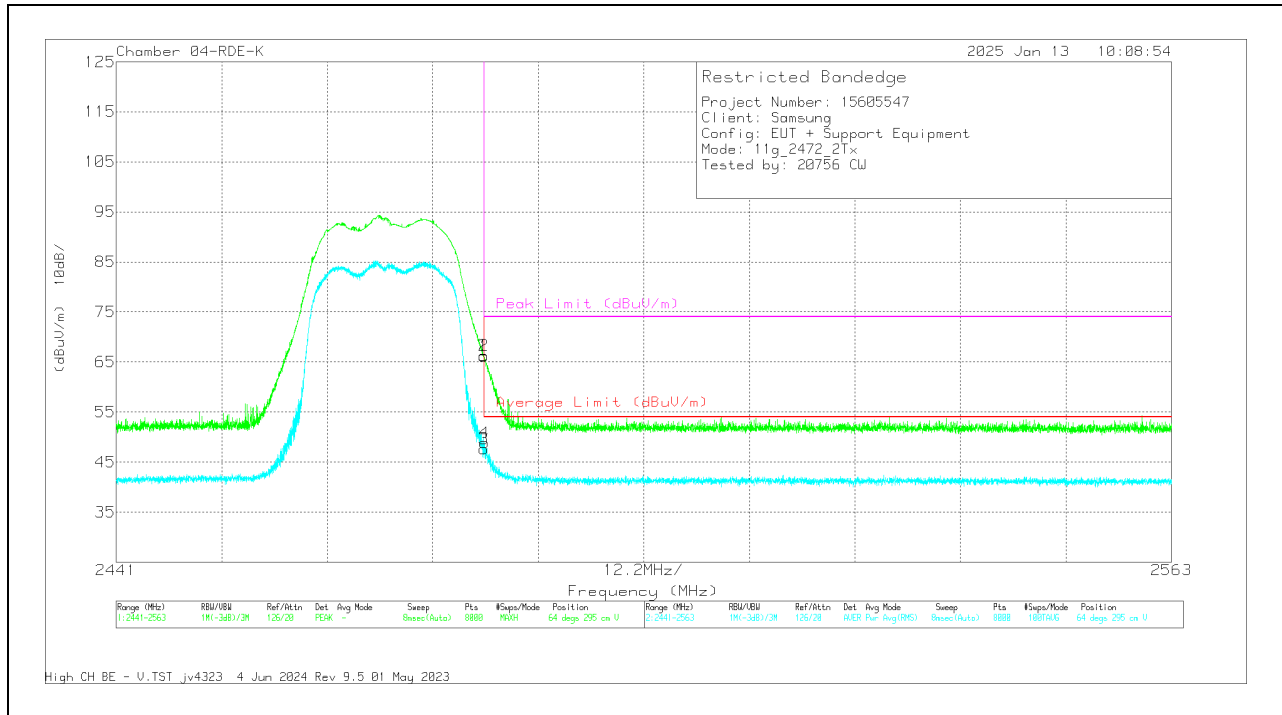
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Ampl/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	70.22	Pk	32.6	-34.8	0	68.02	-	-	74	-5.98	120	145	H
2	* 2483.507	70.34	Pk	32.6	-34.8	0	68.14	-	-	74	-5.86	120	145	H
3	* 2483.5	50.4	RMS	32.6	-34.8	.41	48.61	54	-5.39	-	-	120	145	H
4	* 2483.523	51.29	RMS	32.6	-34.8	.41	49.5	54	-4.5	-	-	120	145	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (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	68.36	PK	32.6	-34.8	0	66.16	-	-	74	-7.84	64	295	V
2	* 2483.507	68.49	PK	32.6	-34.8	0	66.29	-	-	74	-7.71	64	295	V
3	* 2483.5	49.45	RMS	32.6	-34.8	.41	47.66	54	-6.34	-	-	64	295	V
4	* 2483.599	50.64	RMS	32.6	-34.8	.41	48.85	54	-5.15	-	-	64	295	V

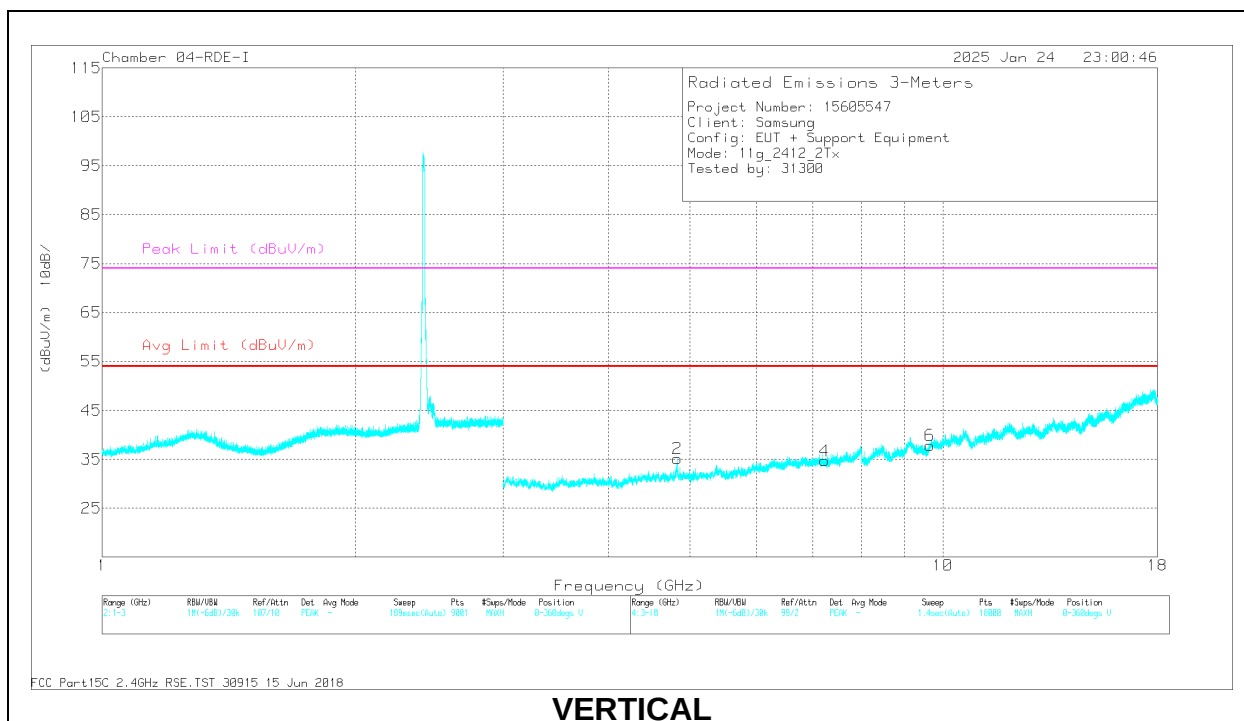
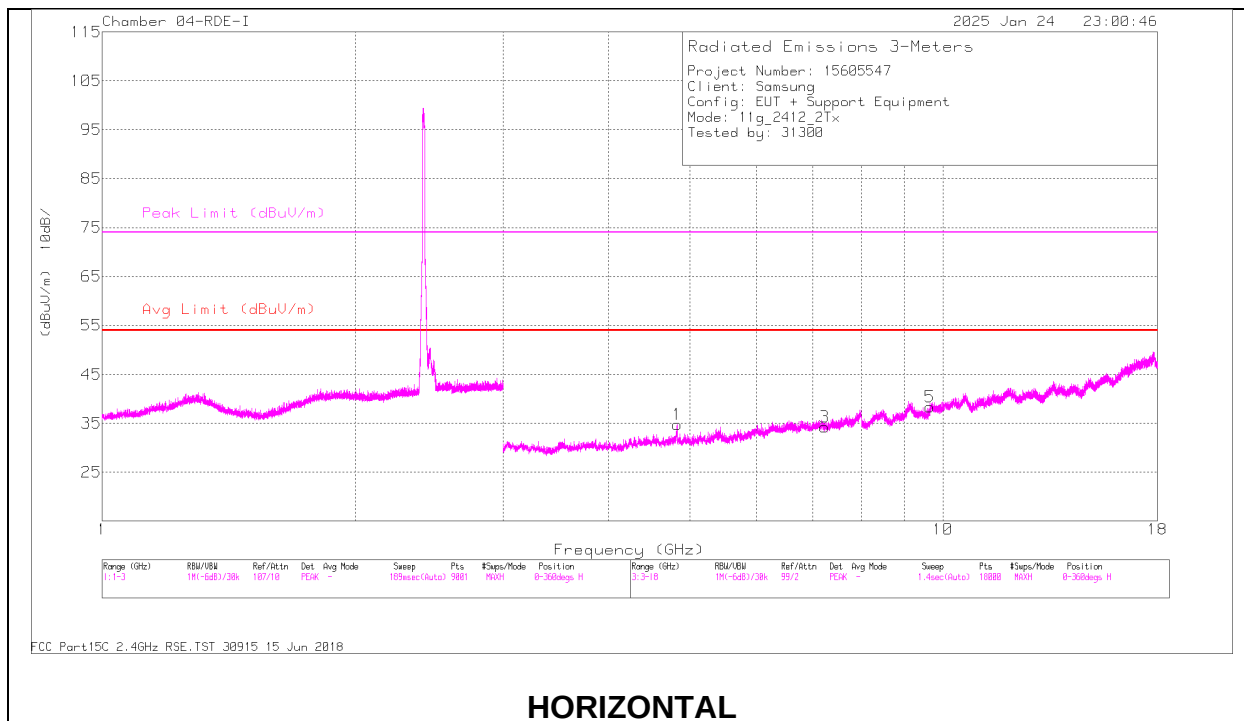
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS

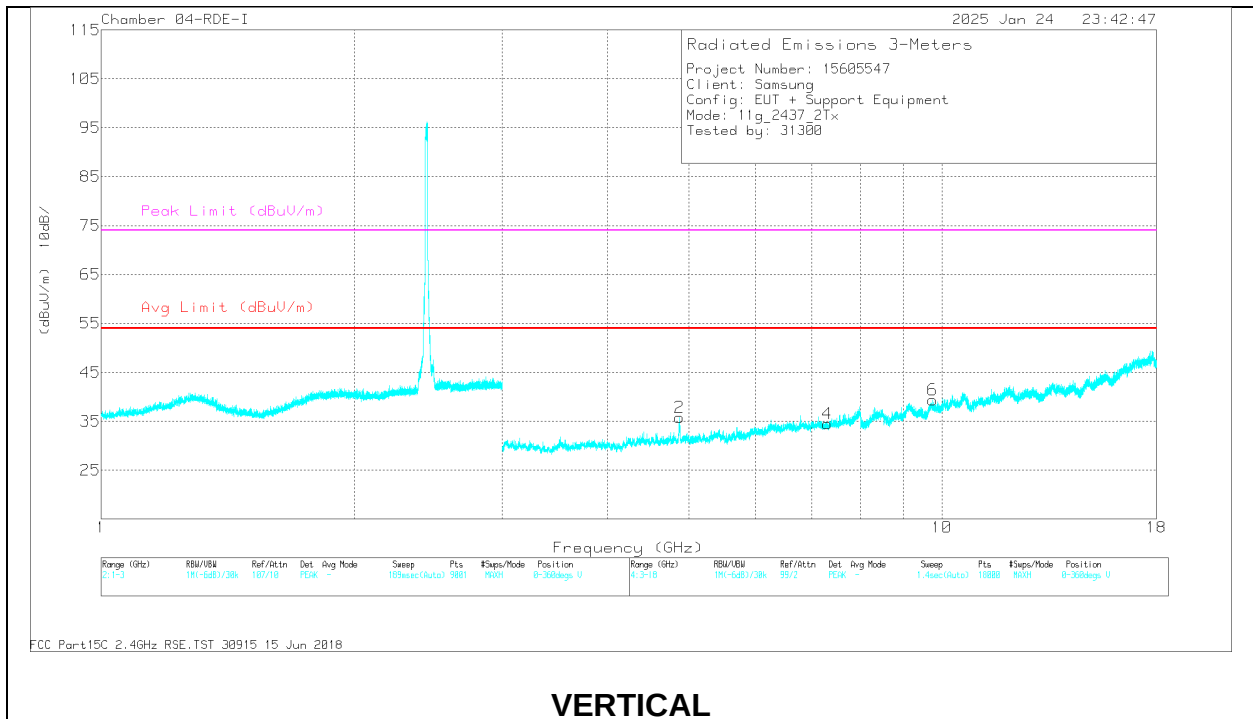
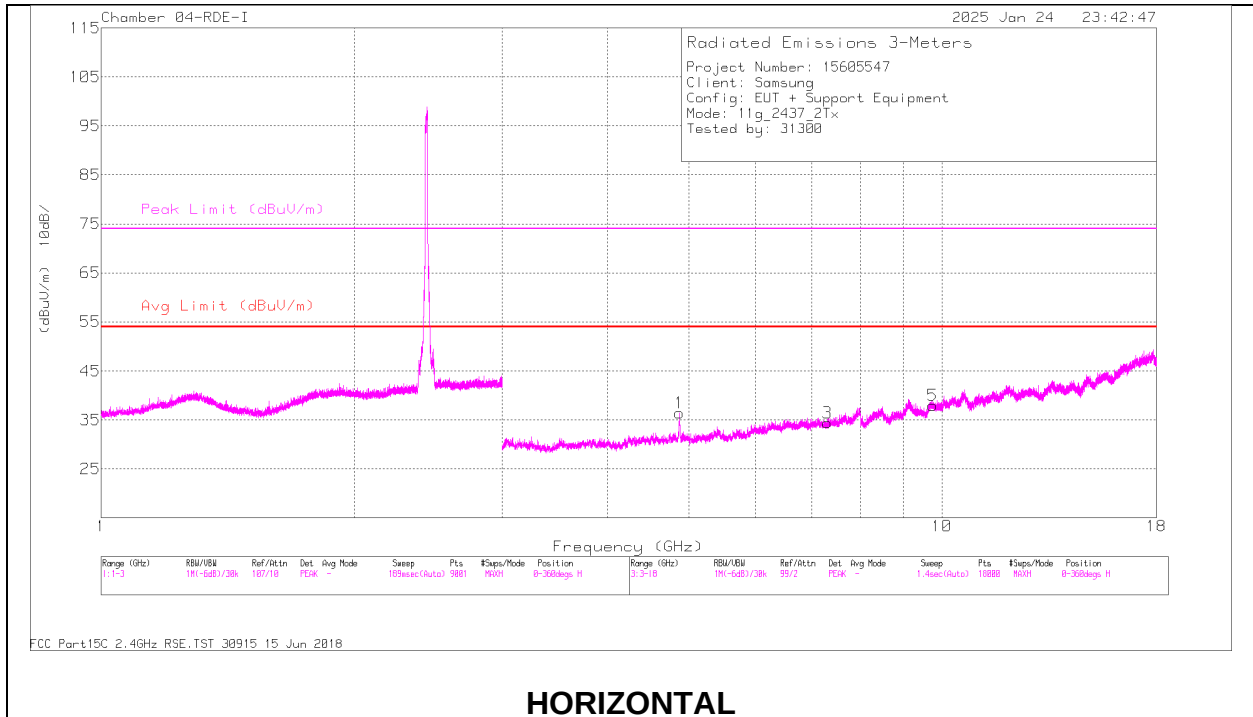


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.821771	37.98	PK2	34.1	-26.2	0	45.88	-	-	74	-28.12	219	146	H
	* 4.824044	26.51	MAv1	34	-26.2	.41	34.72	54	-19.28	-	-	219	146	H
2	* 4.821974	36.27	PK2	34.1	-26.2	0	44.17	-	-	74	-29.83	199	275	V
	* 4.822959	25.2	MAv1	34	-26.2	.41	33.41	54	-20.59	-	-	199	275	V
3	7.231819	33.3	PK2	35.5	-24.4	0	44.4	-	-	-	-	331	101	H
4	7.239131	32.87	PK2	35.6	-24.4	0	44.07	-	-	-	-	121	200	V
5	9.647469	32.18	PK2	36.8	-20.8	0	48.18	-	-	-	-	269	153	H
6	9.648008	32	PK2	36.8	-20.7	0	48.1	-	-	-	-	96	268	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

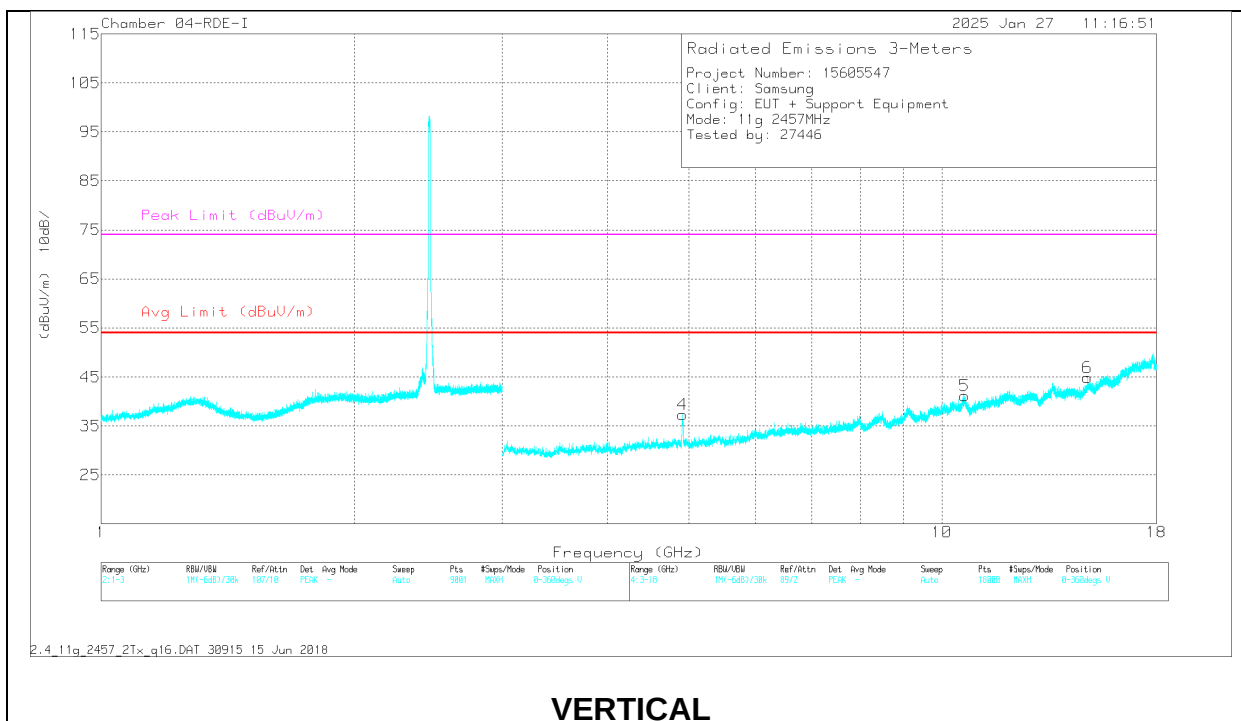
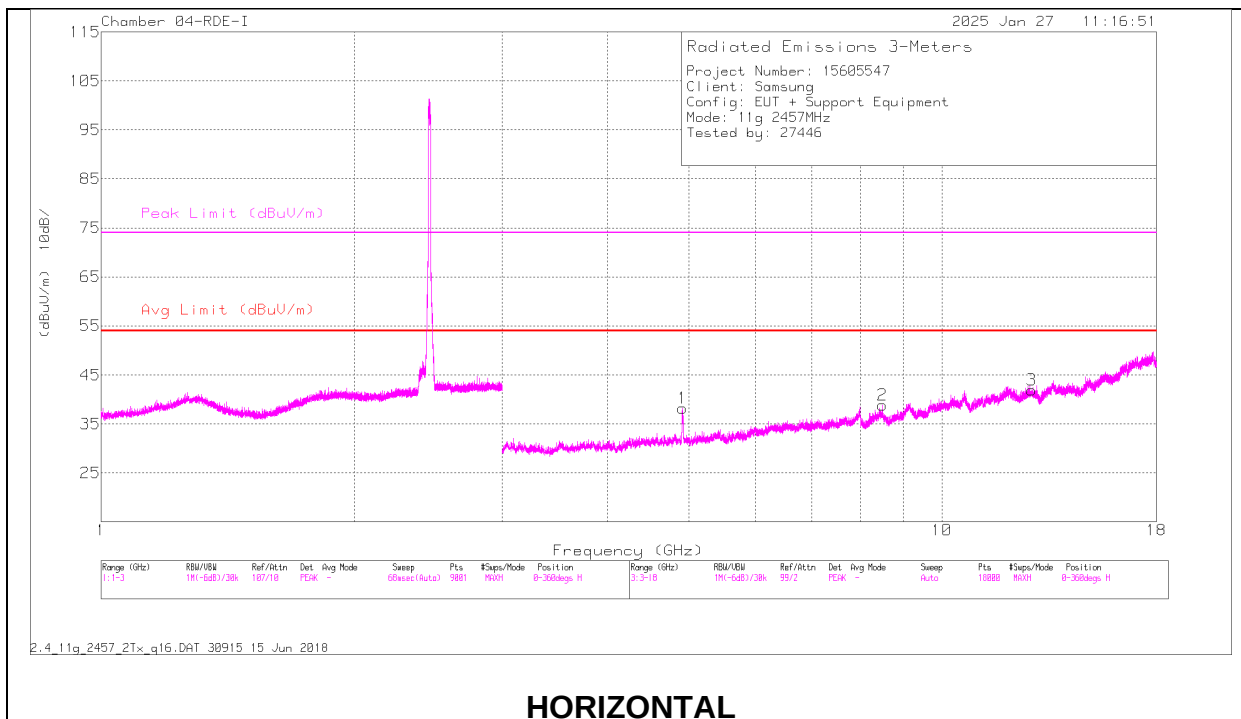
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.877829	38.85	PK2	33.9	-26.6	0	46.15	-	-	74	-27.85	216	169	H
	* 4.873825	27.46	MAv1	33.9	-26.6	.41	35.17	54	-18.83	-	-	216	169	H
3	* 7.310669	32.3	PK2	35.6	-24.5	0	43.4	-	-	74	-30.6	218	200	H
	* 7.303768	21.39	MAv1	35.6	-24.5	.41	32.9	54	-21.1	-	-	218	200	H
2	* 4.871535	38.24	PK2	34	-26.5	0	45.74	-	-	74	-28.26	185	260	V
	* 4.874841	27.12	MAv1	33.9	-26.6	.41	34.83	54	-19.17	-	-	185	260	V
4	* 7.310206	33.34	PK2	35.6	-24.5	0	44.44	-	-	74	-29.56	12	200	V
	* 7.308244	21.61	MAv1	35.6	-24.5	.41	33.12	54	-20.88	-	-	12	200	V
5	9.755155	31.11	PK2	36.9	-20.2	0	47.81	-	-	-	-	193	101	H
6	9.747566	31.02	PK2	36.9	-20.3	0	47.62	-	-	-	-	69	192	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 10 RESULTS



RADIATED EMISSIONS

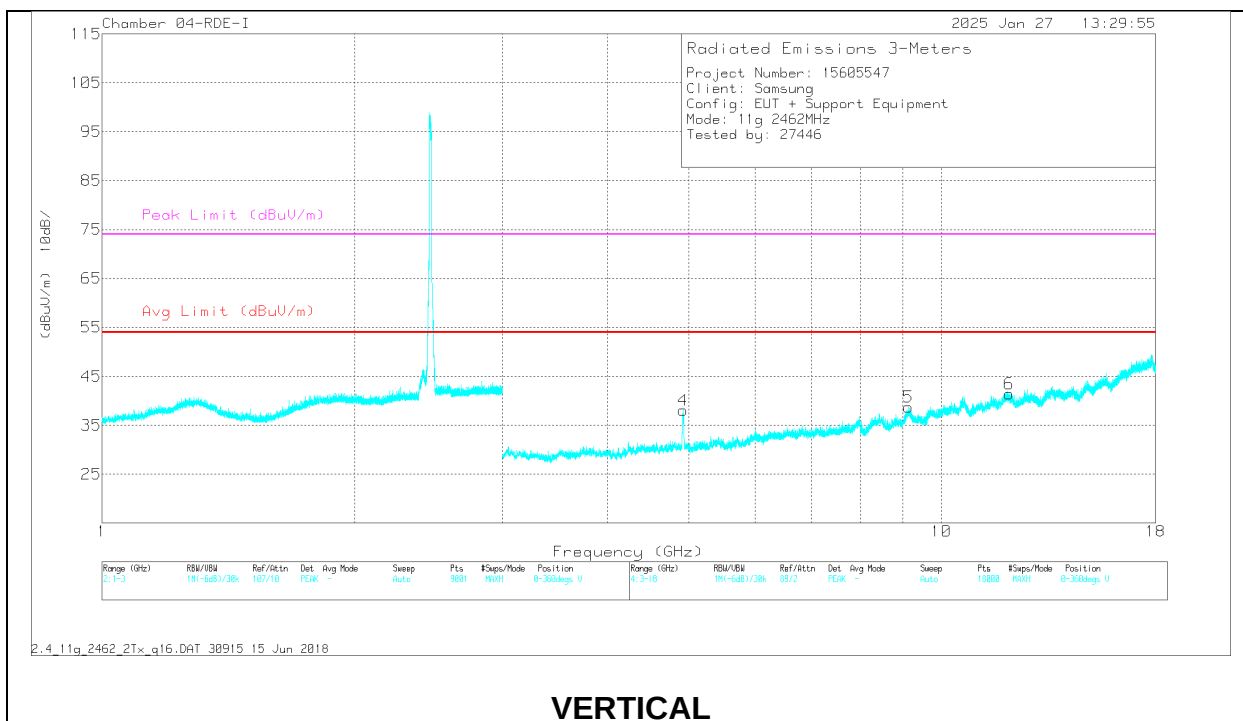
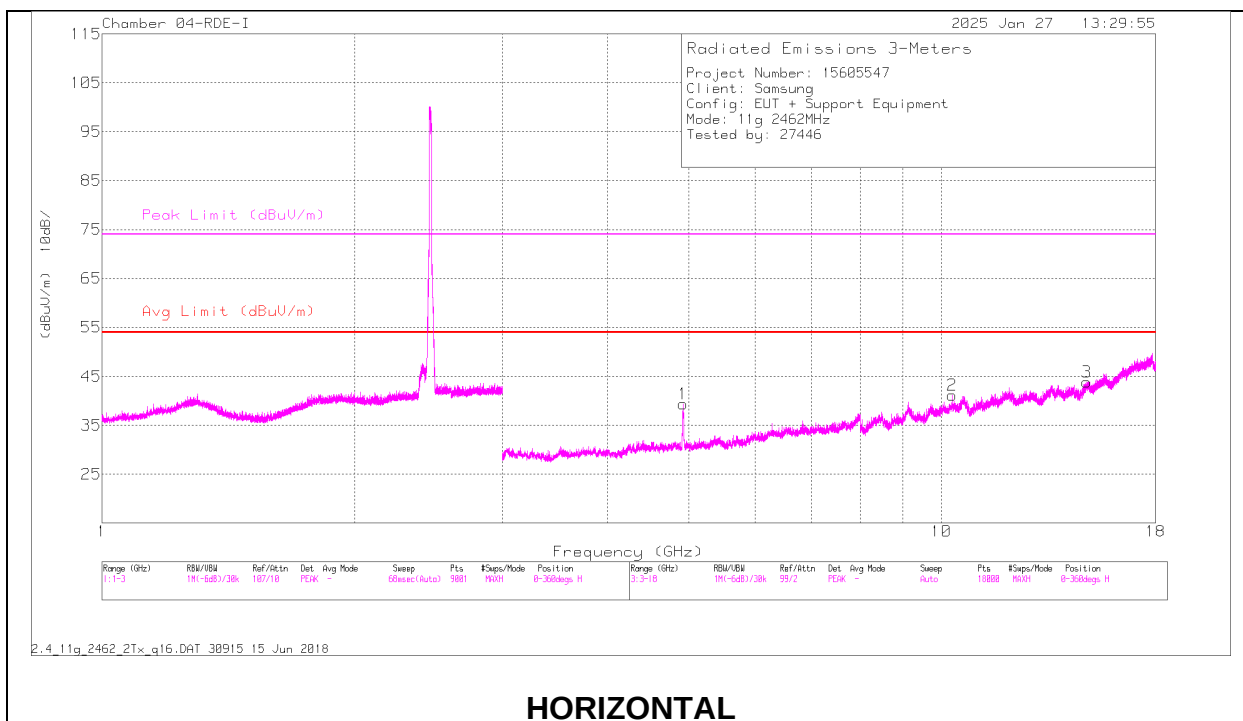
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.913047	38.59	PK2	34	-26.8	0	45.79	-	-	74	-28.21	222	131	H
	* 4.91398	27.58	MAv1	34	-26.8	.41	35.19	54	-18.81	-	-	222	131	H
2	* 8.496869	33.14	PK2	35.9	-21.1	0	47.94	-	-	74	-26.06	17	256	H
	* 8.495917	21.58	MAv1	35.9	-21.1	.41	36.79	54	-17.21	-	-	17	256	H
3	12.783974	33.11	PK2	38.9	-21	0	51.01	-	-	-	-	285	221	H
4	* 4.913903	37.99	PK2	34	-26.8	0	45.19	-	-	74	-28.81	196	274	V
	* 4.914013	27.49	MAv1	34	-26.8	.41	35.1	54	-18.9	-	-	196	274	V
5	* 10.643175	31.28	PK2	37.5	-19	0	49.78	-	-	74	-24.22	282	171	V
	* 10.643859	20.08	MAv1	37.5	-19	.41	38.99	54	-15.01	-	-	282	171	V
6	14.896514	33.06	PK2	39.7	-20.2	0	52.56	-	-	-	-	308	182	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

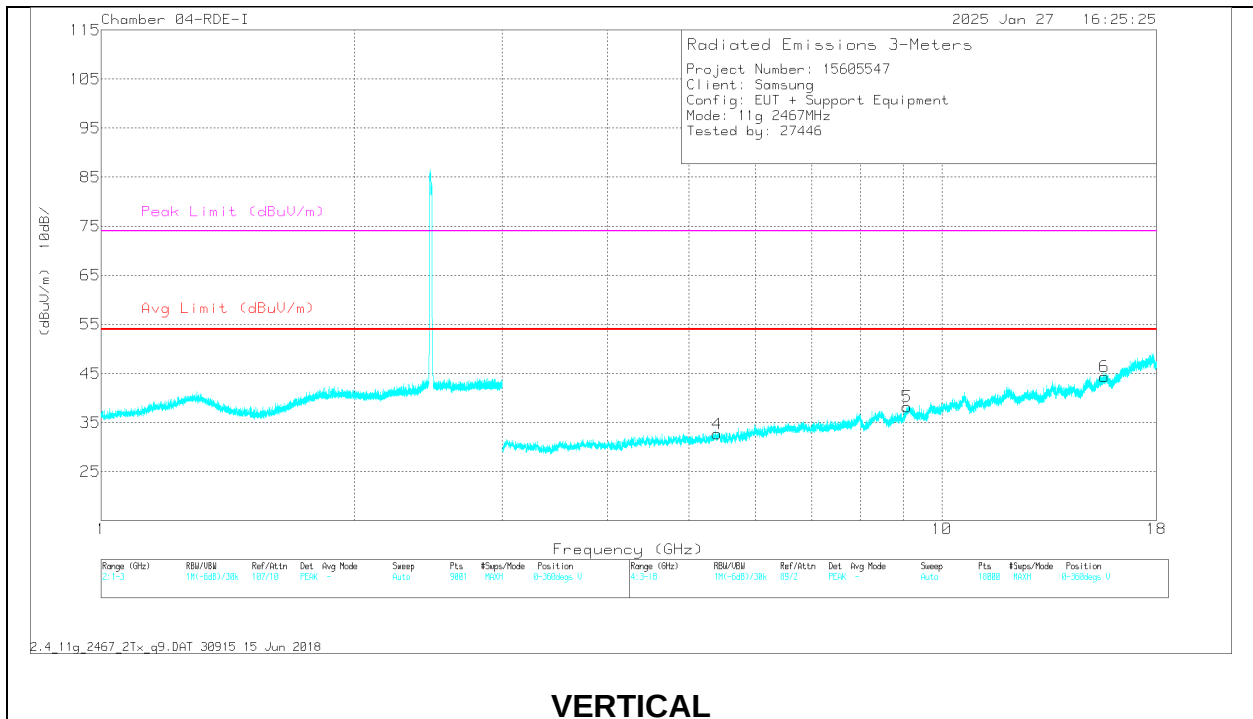
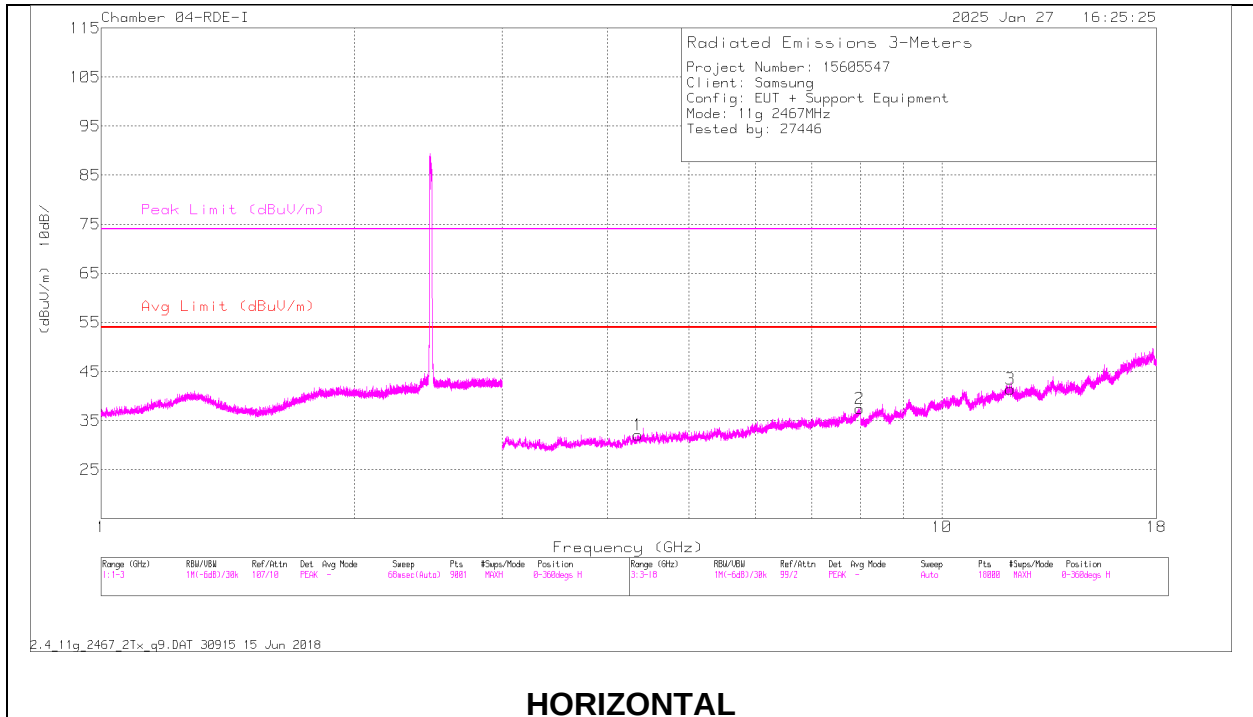
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.921076	41.4	PK2	34.1	-26.8	0	48.7	-	-	74	-25.3	219	103	H
	* 4.920637	29.24	MAv1	34.1	-26.8	.41	36.95	54	-17.05	-	-	219	103	H
2	10.295147	31.18	PK2	37.4	-19.3	0	49.28	-	-	-	-	40	182	H
3	14.902037	33.69	PK2	39.7	-20.2	0	53.19	-	-	-	-	138	207	H
4	* 4.924908	40.15	PK2	34.1	-26.9	0	47.35	-	-	74	-26.65	195	194	V
	* 4.923991	29.08	MAv1	34.1	-26.9	.41	36.69	54	-17.31	-	-	195	194	V
5	* 9.133996	32.18	PK2	36.2	-20.1	0	48.28	-	-	74	-25.72	318	283	V
	* 9.132782	20.48	MAv1	36.2	-20.2	.41	36.89	54	-17.11	-	-	318	283	V
6	* 12.04734	32.39	PK2	39	-20.1	0	51.29	-	-	74	-22.71	217	211	V
	* 12.050637	20.64	MAv1	39	-20.2	.41	39.85	54	-14.15	-	-	217	211	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 12 RESULTS



RADIATED EMISSIONS

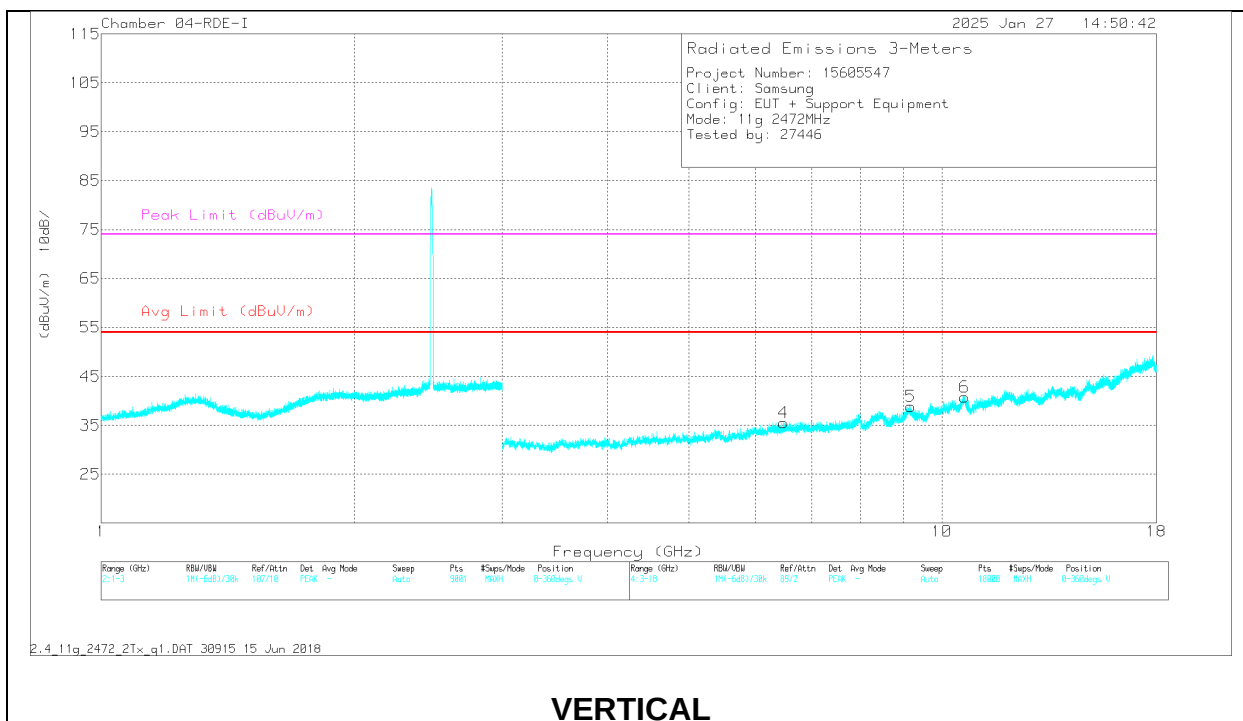
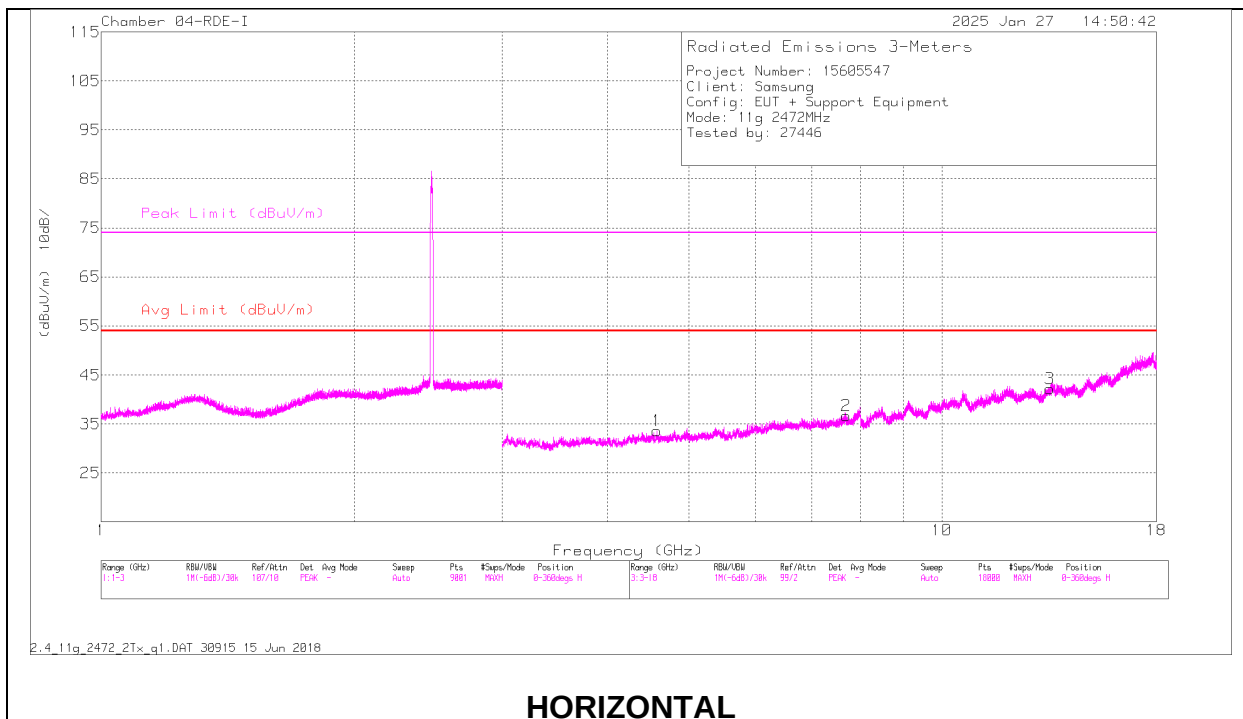
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.346299	35.37	PK2	33.6	-27.3	0	41.67	-	-	74	-32.33	104	220	H
	* 4.347512	23.49	MAv1	33.6	-27.3	.41	30.2	54	-23.8	-	-	104	220	H
2	7.983435	33.08	PK2	36	-22.4	0	46.68	-	-	-	-	340	118	H
3	* 12.057106	32.1	PK2	39	-20.4	0	50.7	-	-	74	-23.3	287	203	H
	* 12.056709	20.73	MAv1	39	-20.4	.41	39.74	54	-14.26	-	-	287	203	H
4	* 5.404889	34.56	PK2	34.4	-25	0	43.96	-	-	74	-30.04	3	234	V
	* 5.403785	22.76	MAv1	34.4	-24.9	.41	32.67	54	-21.33	-	-	3	234	V
5	* 9.093537	32.26	PK2	36.2	-20.5	0	47.96	-	-	74	-26.04	286	252	V
	* 9.092937	21.38	MAv1	36.2	-20.5	.41	37.49	54	-16.51	-	-	286	252	V
6	* 15.615568	33	PK2	40.6	-19.5	0	54.1	-	-	74	-19.9	112	210	V
	* 15.616051	21.53	MAv1	40.6	-19.4	.41	43.14	54	-10.86	-	-	112	210	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.583403	33.97	PK2	34	-27.2	0	40.77	-	-	74	-33.23	360	204	H
	* 4.579666	22.47	MAv1	34	-27.1	.41	29.78	54	-24.22	-	-	360	204	H
2	* 7.693019	31.97	PK2	35.6	-23.2	0	44.37	-	-	74	-29.63	162	201	H
	* 7.692221	20.38	MAv1	35.6	-23.2	.41	33.19	54	-20.81	-	-	162	201	H
3	13.446409	33.35	PK2	39.1	-21.5	0	50.95	-	-	-	-	280	190	H
4	6.479263	33.08	PK2	35.7	-25.1	0	43.68	-	-	-	-	285	262	V
5	* 9.186442	31.52	PK2	36.2	-20.8	0	46.92	-	-	74	-27.08	269	138	V
	* 9.183187	20.31	MAv1	36.2	-20.7	.41	36.22	54	-17.78	-	-	269	138	V
6	* 10.650421	31.69	PK2	37.5	-19.1	0	50.09	-	-	74	-23.91	5	125	V
	* 10.650097	20.14	MAv1	37.5	-19.1	.41	38.95	54	-15.05	-	-	5	125	V

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

PK2 - KDB558074 Method: Maximum Peak

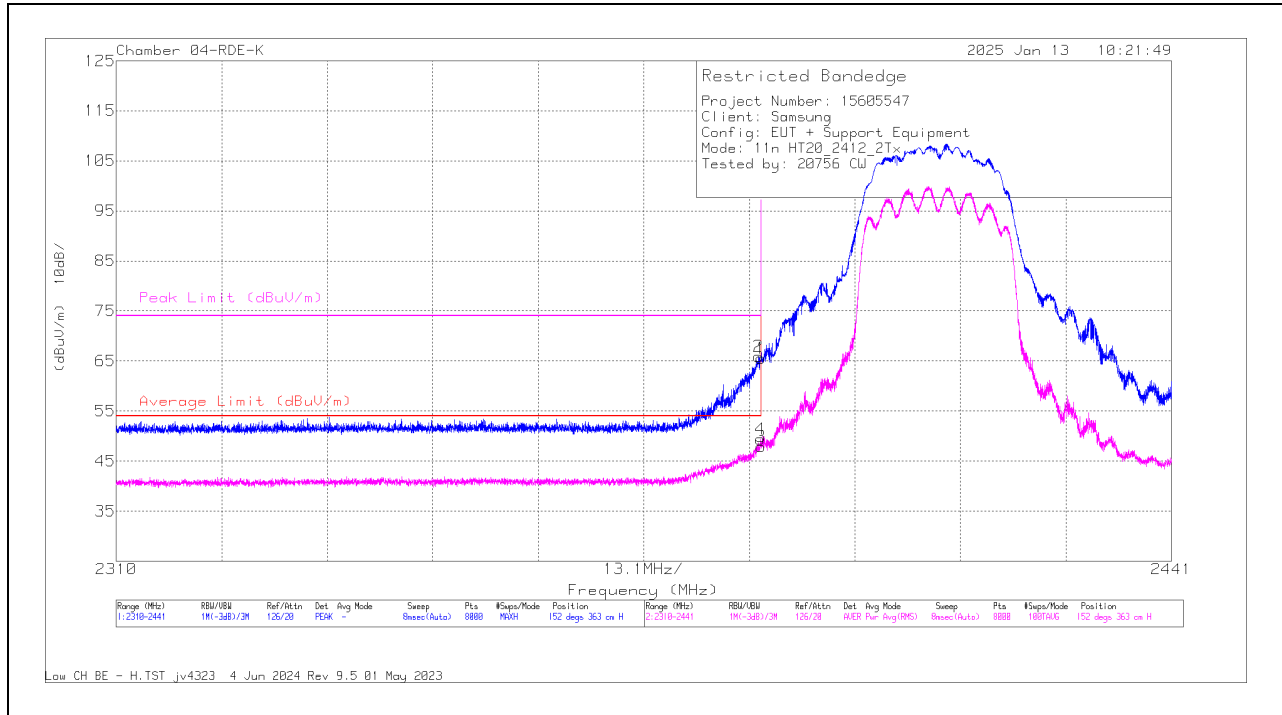
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



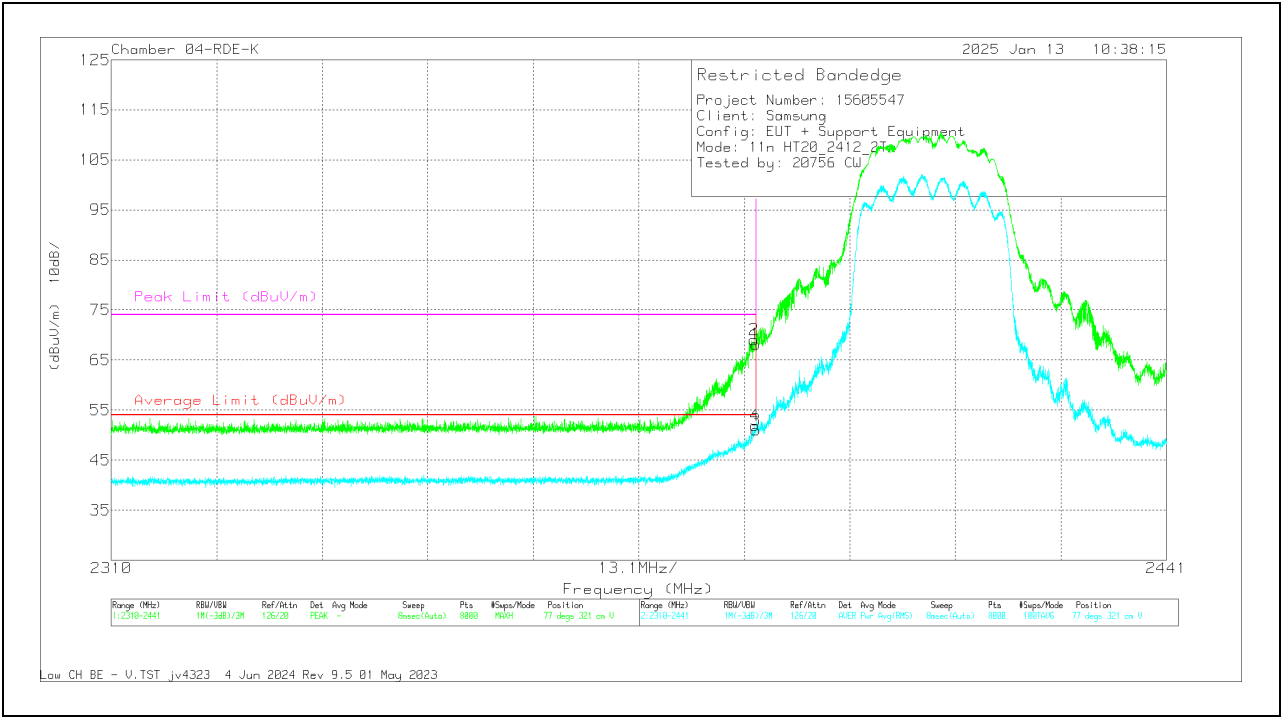
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	68.42	Pk	32.3	-35.2	0	65.52	-	-	74	-8.48	152	363	H
2	* 2389.723	68.84	Pk	32.3	-35.2	0	65.94	-	-	74	-8.06	152	363	H
3	* 2390	50.48	RMS	32.3	-35.2	.37	47.95	54	-6.05	-	-	152	363	H
4	* 2389.953	51.91	RMS	32.3	-35.2	.37	49.38	54	-4.62	-	-	152	363	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

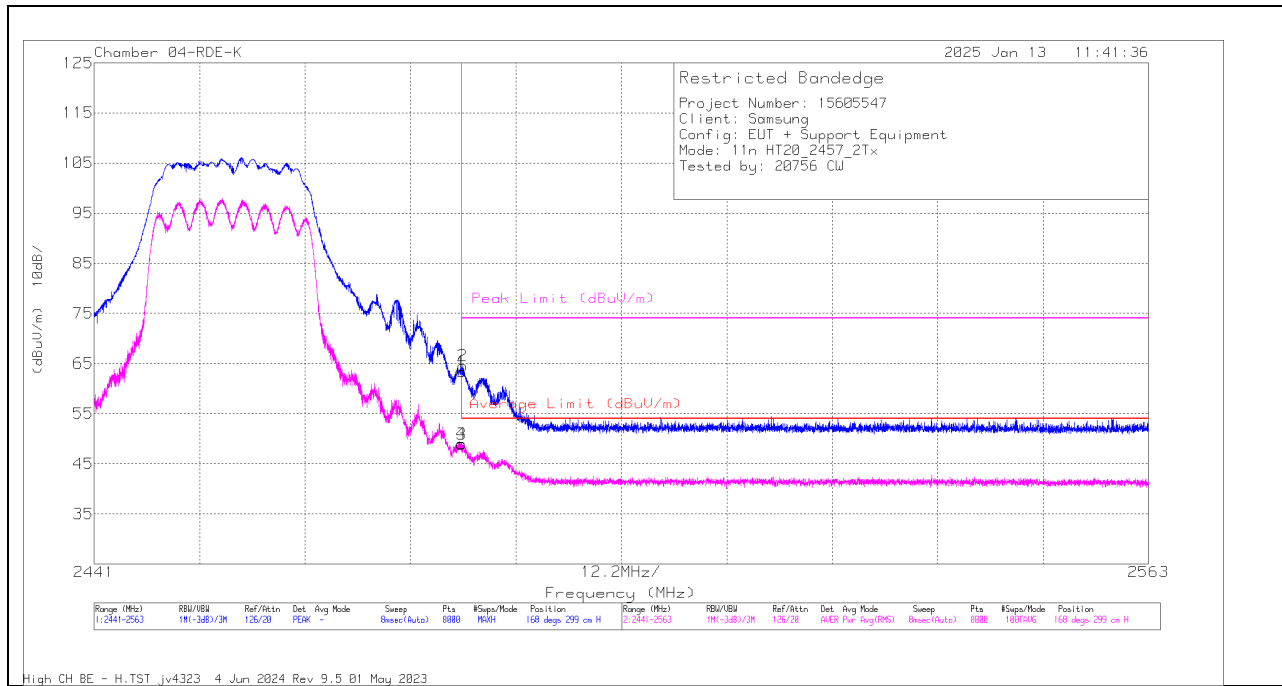


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dBm)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	71.07	Pk	32.3	-35.2	0	68.17	-	-	74	-5.83	77	321	V
2	* 2389.789	71.97	Pk	32.3	-35.2	0	69.07	-	-	74	-4.93	77	321	V
3	* 2390	53.52	RMS	32.3	-35.2	.37	50.99	54	-3.01	-	-	77	321	V
4	* 2389.92	54.47	RMS	32.3	-35.2	.37	51.94	54	-2.06	-	-	77	321	V

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

BANDEDGE (HIGH CHANNEL, CH 10)

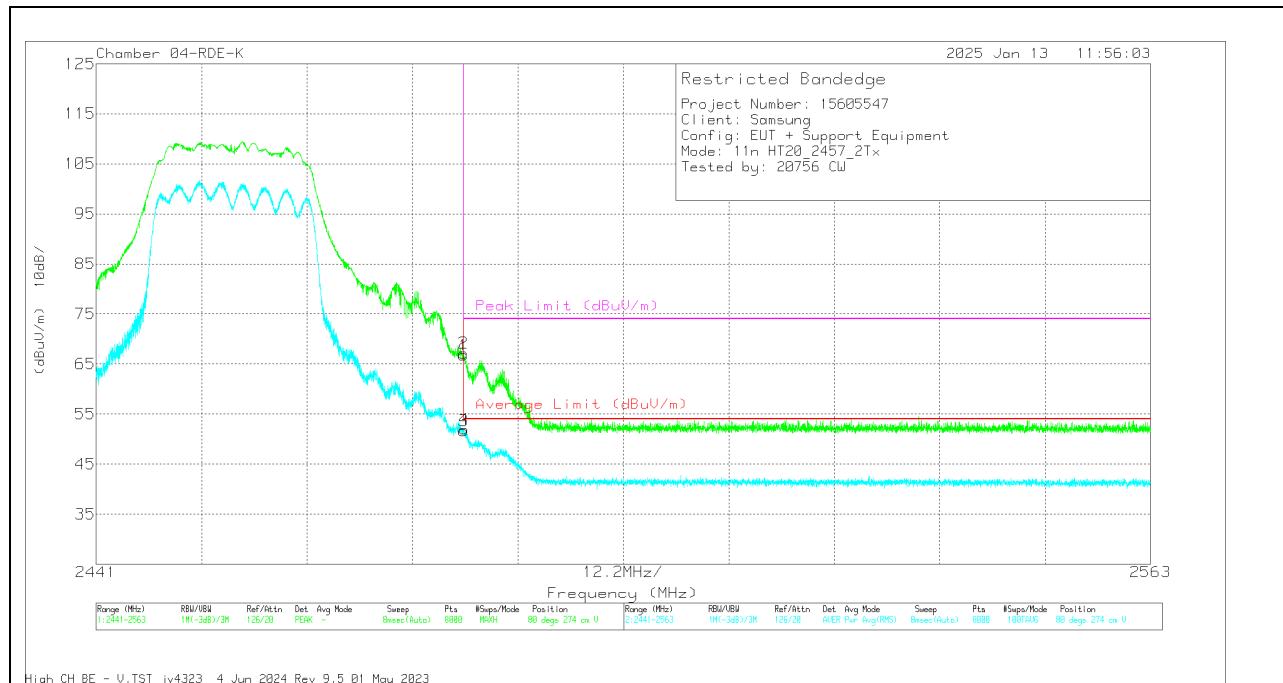
HORIZONTAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Chl/Pad (dB)	DCCF (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	65.56	Pk	32.6	-34.8	0	63.36	-	-	74	-10.64	168	299	H
2	2483.645	66.74	Pk	32.6	-34.8	0	64.54	-	-	74	-9.46	168	299	H
3	2483.5	50.7	RMS	32.6	-34.8	-37	48.87	54	-5.13	-	-	168	299	H
4	2483.523	50.8	RMS	32.6	-34.8	-37	48.97	54	-5.03	-	-	168	299	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

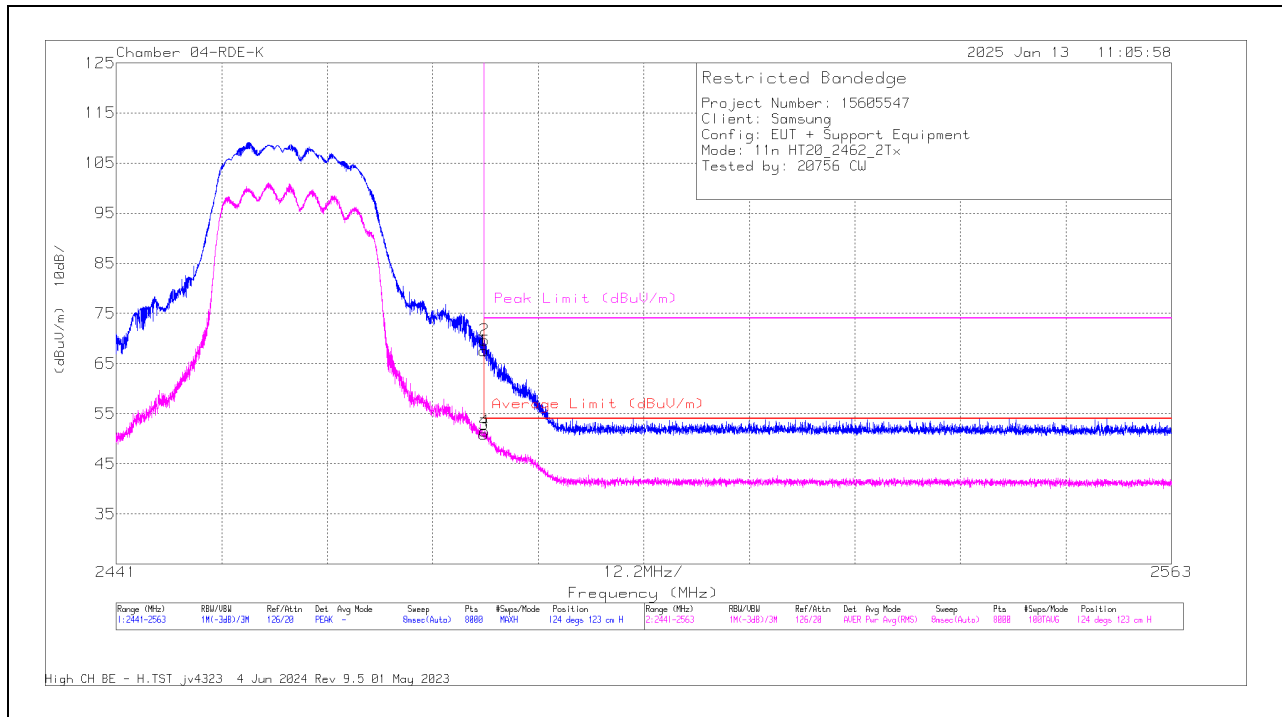


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	266808 ACF (dBm)	Amp/CbI/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2483.5	68.94	Pk	32.6	-34.8	0	66.74	-	-	74	-7.26	80	274	V
2	2483.507	69.38	Pk	32.6	-34.8	0	67.18	-	-	74	-6.82	80	274	V
3	2483.5	53.48	RMS	32.6	-34.8	.37	51.65	54	-2.35	-	-	80	274	V
4	2483.568	53.79	RMS	32.6	-34.8	.37	51.96	54	-2.04	-	-	80	274	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



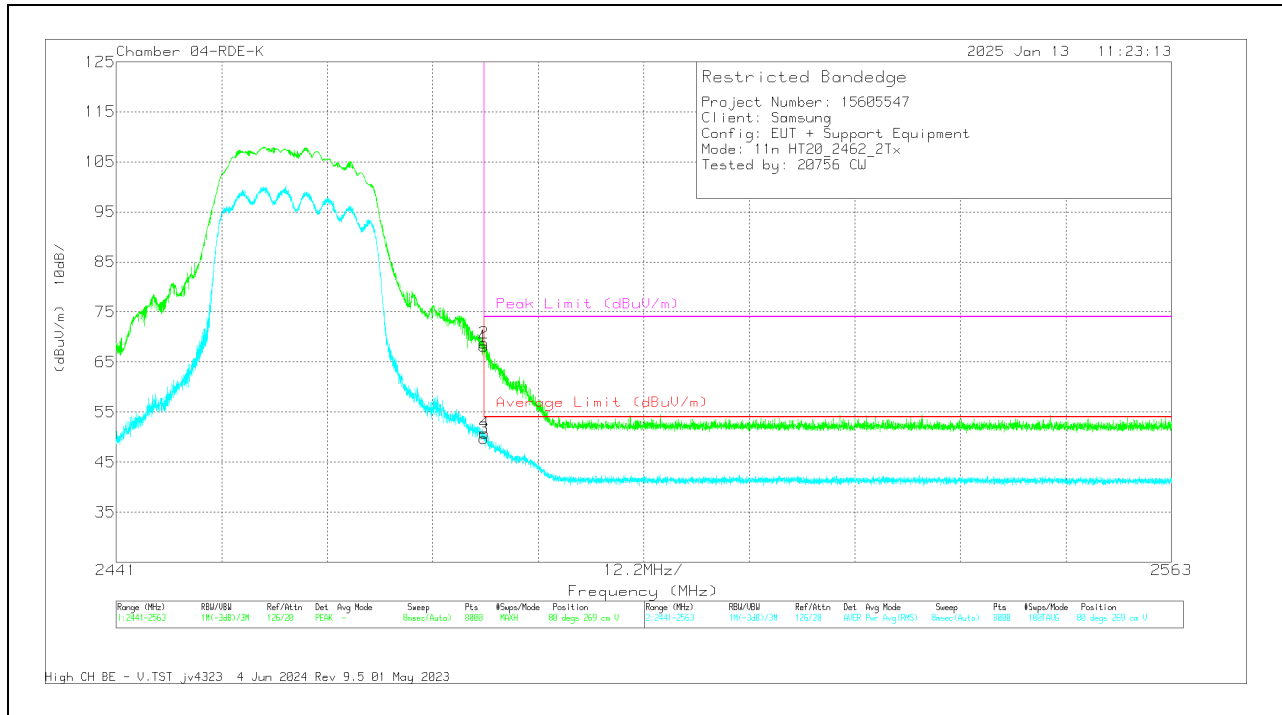
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	69.72	PK	32.6	-34.8	0	67.52	-	-	74	-6.48	124	123	H
2	* 2483.553	71.86	PK	32.6	-34.8	0	69.66	-	-	74	-4.34	124	123	H
3	* 2483.5	52.69	RMS	32.6	-34.8	.37	50.86	54	-3.14	-	-	124	123	H
4	* 2483.599	53.4	RMS	32.6	-34.8	.37	51.57	54	-2.43	-	-	124	123	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dBm)	Amp/Cbl/Pad (dB)	DCCF (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	70.38	PK	32.6	-34.8	0	68.18	-	-	74	-5.82	80	269	V
2	* 2483.523	71.01	PK	32.6	-34.8	0	68.81	-	-	74	-5.19	80	269	V
3	* 2483.5	51.56	RMS	32.6	-34.8	.37	49.73	54	-4.27	-	-	80	269	V
4	* 2483.599	52.6	RMS	32.6	-34.8	.37	50.77	54	-3.23	-	-	80	269	V

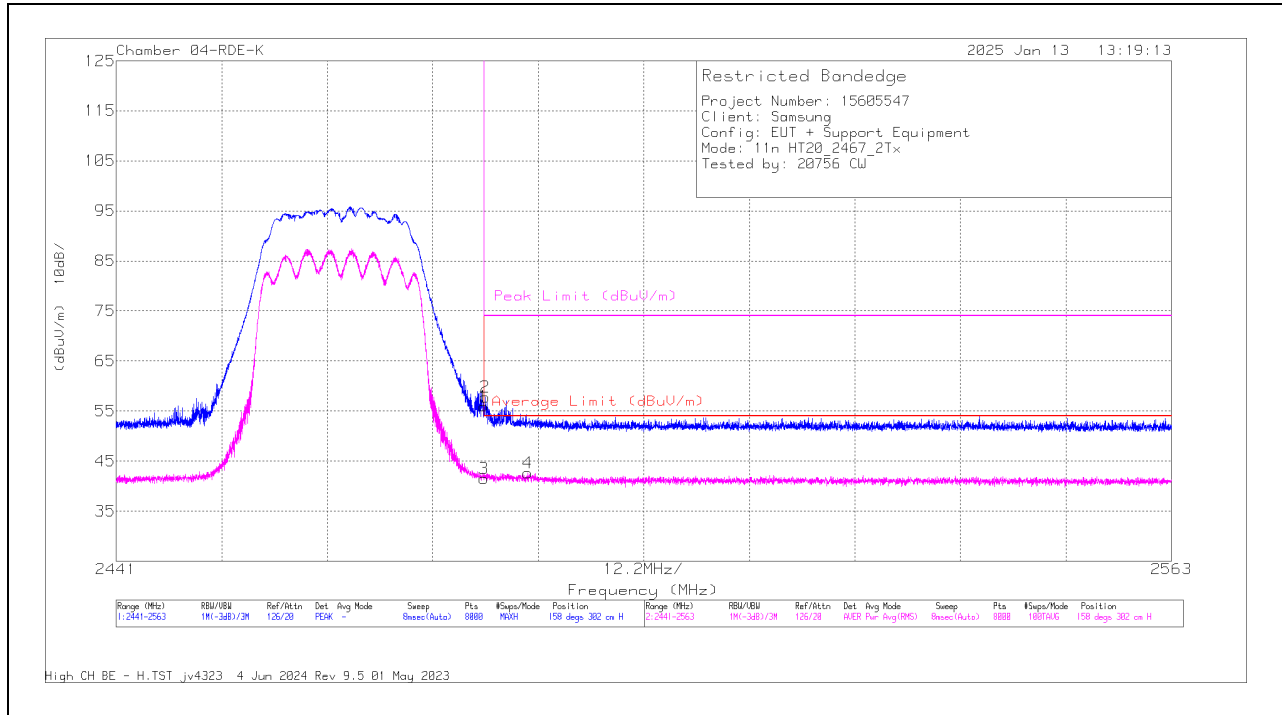
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



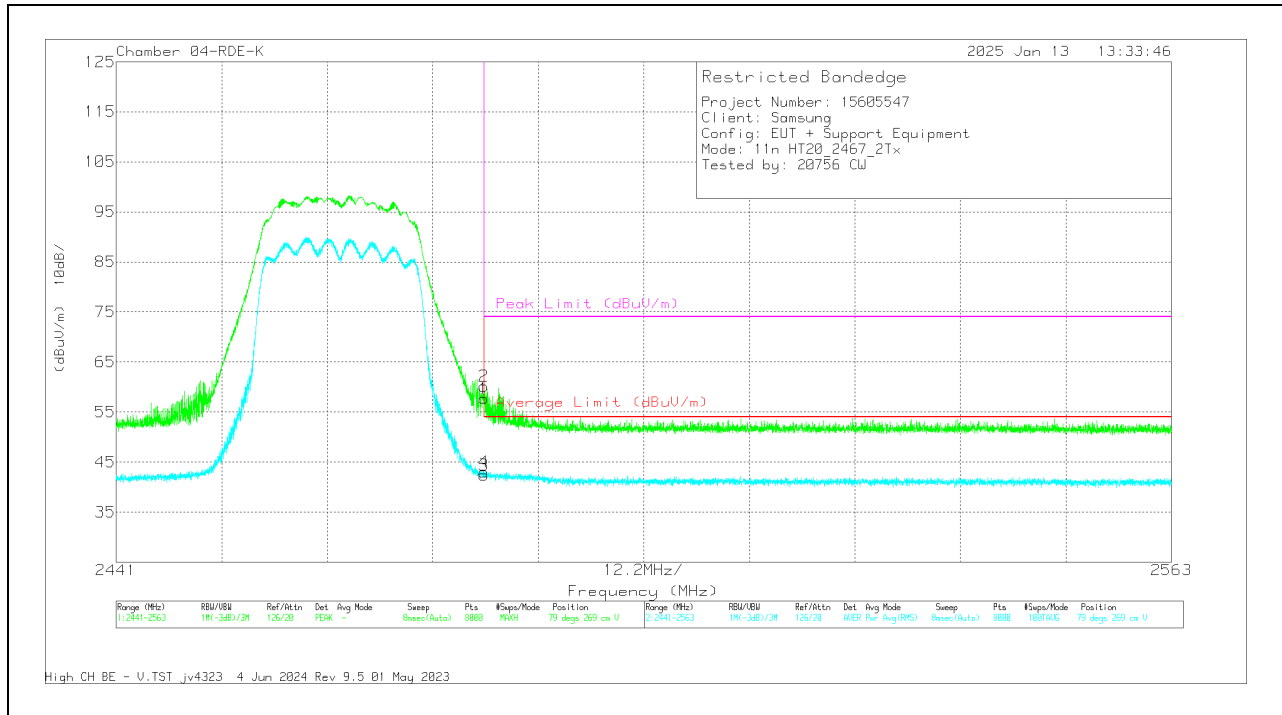
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	58.17	Pk	32.6	-34.8	0	55.97	-	-	74	-18.03	158	302	H
2	* 2483.675	59.94	Pk	32.6	-34.8	0	57.74	-	-	74	-16.26	158	302	H
3	* 2483.5	43.31	RMS	32.6	-34.8	.37	41.48	54	-12.52	-	-	158	302	H
4	* 2488.571	44.44	RMS	32.6	-34.8	.37	42.61	54	-11.39	-	-	158	302	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

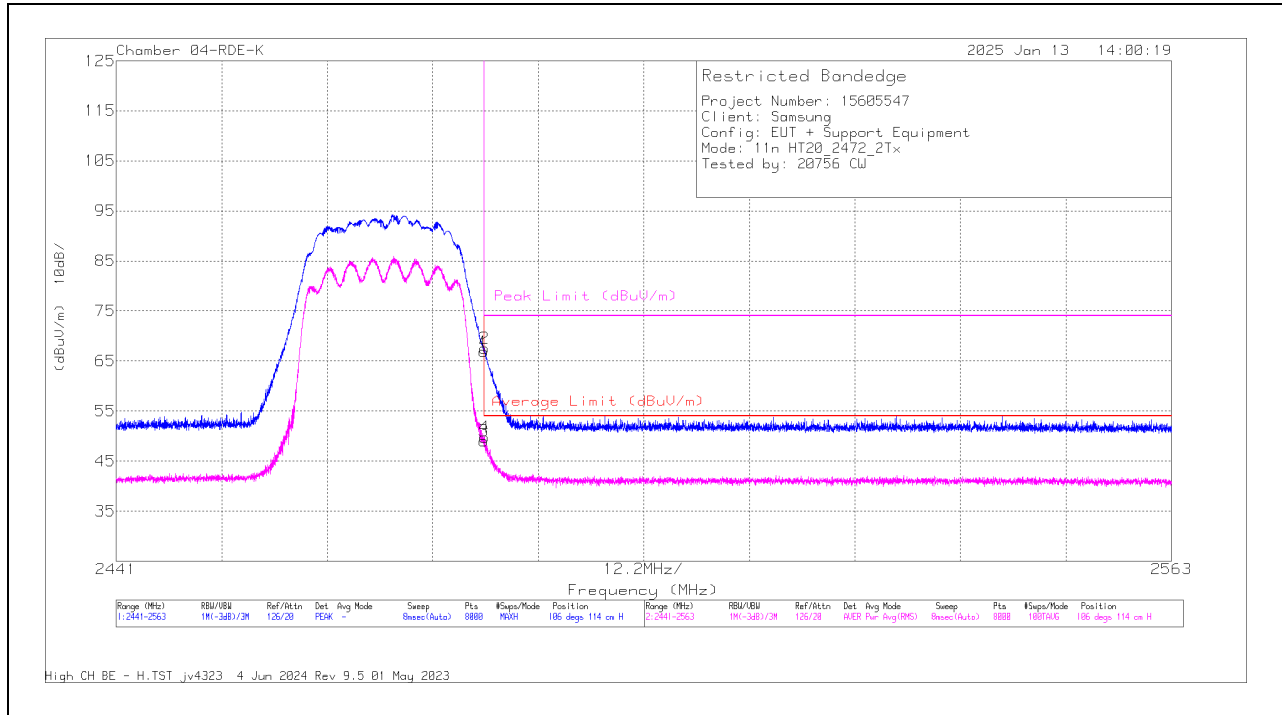


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dBIm)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*2483.5	59.92	Pk	32.6	-34.8	0	57.72	-	-	74	-16.28	79	269	V
2	*2483.538	62.34	Pk	32.6	-34.8	0	60.14	-	-	74	-13.86	79	269	V
3	*2483.5	44.22	RMS	32.6	-34.8	.37	42.39	54	-11.61	-	-	79	269	V
4	*2483.538	44.86	RMS	32.6	-34.8	.37	43.03	54	-10.97	-	-	79	269	V

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

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



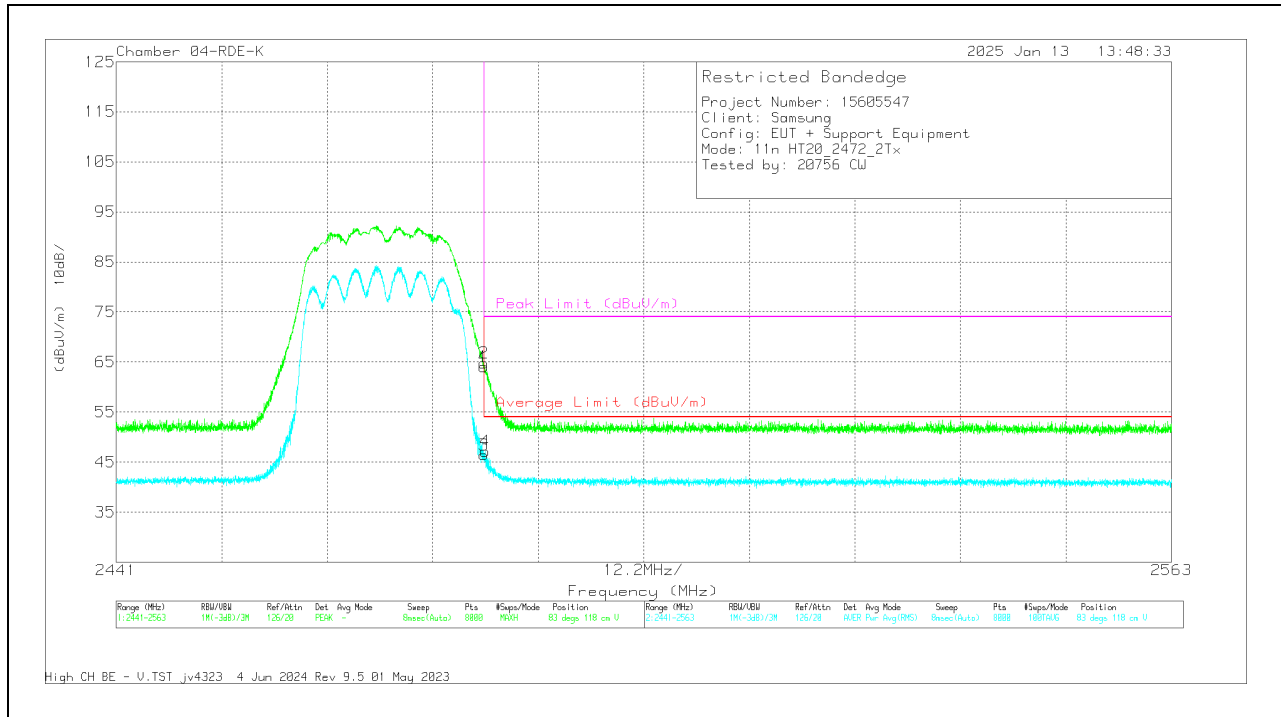
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dB/m)	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	69.07	Pk	32.6	-34.8	0	66.87	-	-	74	-7.13	106	114	H
2	* 2483.599	69.8	Pk	32.6	-34.8	0	67.6	-	-	74	-6.4	106	114	H
3	* 2483.5	50.86	RMS	32.6	-34.8	.37	49.03	54	-4.97	-	-	106	114	H
4	* 2483.584	51.57	RMS	32.6	-34.8	.37	49.74	54	-4.26	-	-	106	114	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	206808 ACF (dBm)	Amp/Cbl/Pad (dB)	DCCF (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	66.23	Pk	32.6	-34.8	0	64.03	-	-	74	-9.97	83	118	V
2	* 2483.523	67.02	Pk	32.6	-34.8	0	64.82	-	-	74	-9.18	83	118	V
3	* 2483.5	48.28	RMS	32.6	-34.8	.37	46.45	54	-7.55	-	-	83	118	V
4	* 2483.629	48.94	RMS	32.6	-34.8	.37	47.11	54	-6.89	-	-	83	118	V

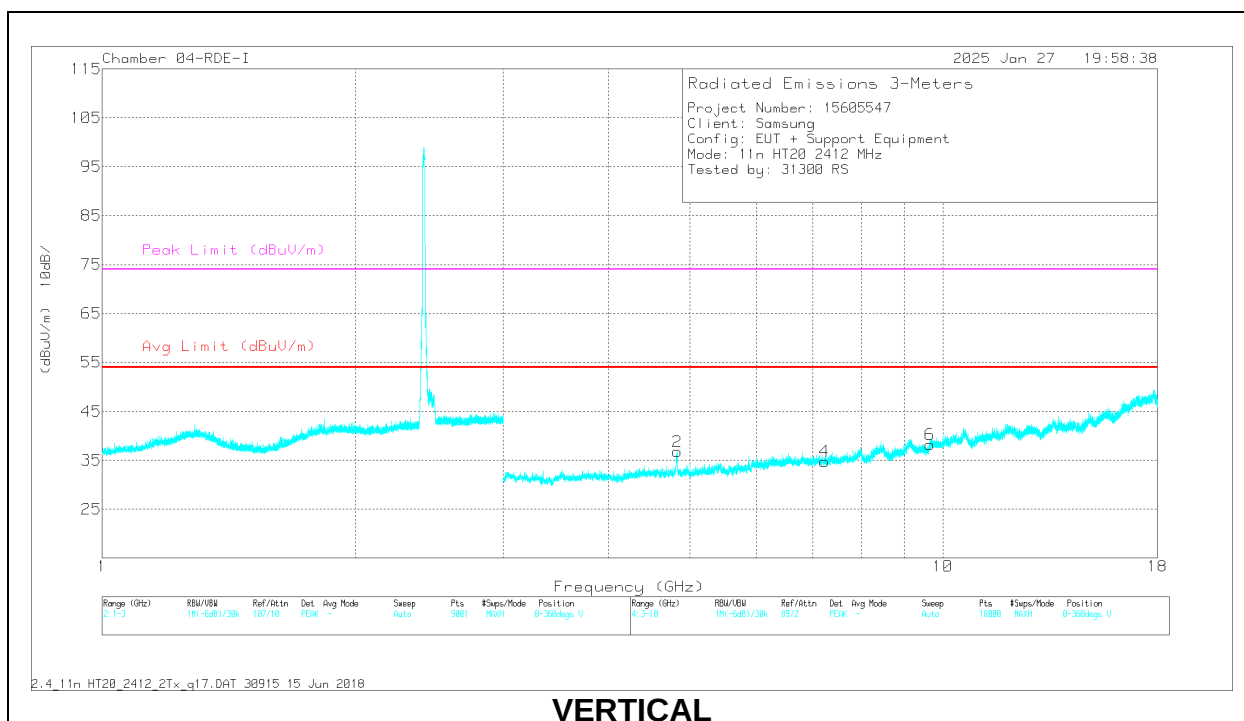
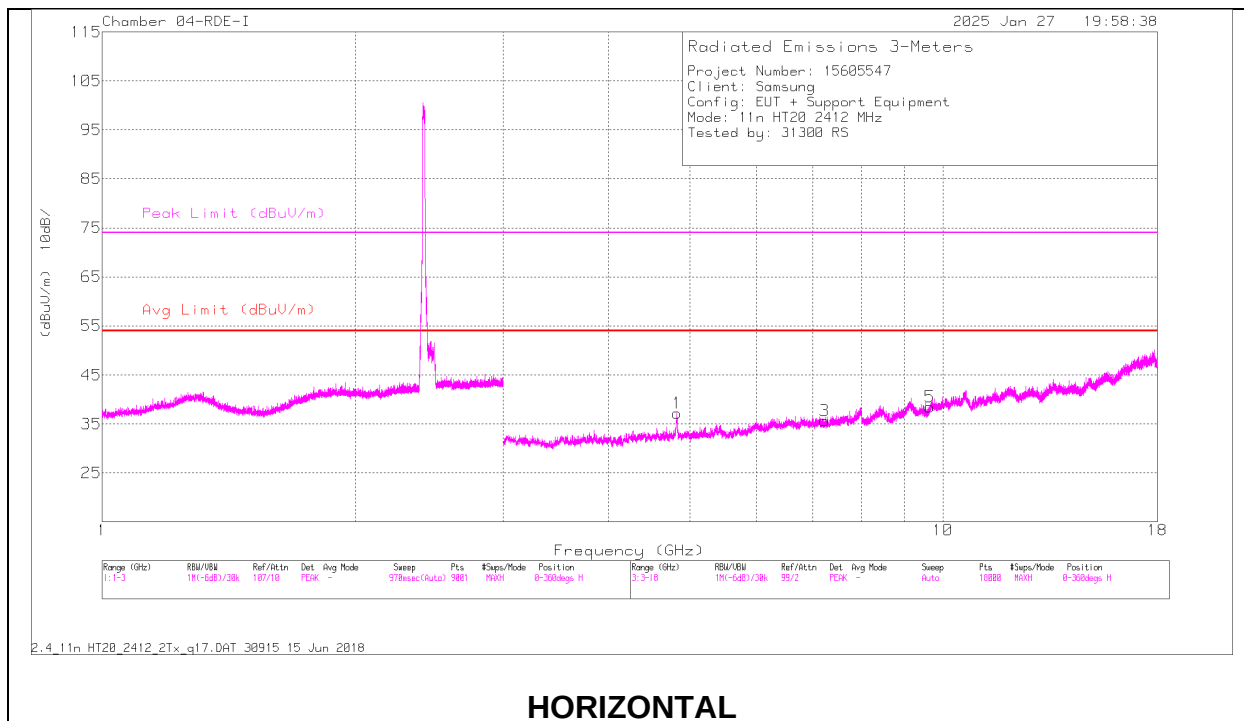
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

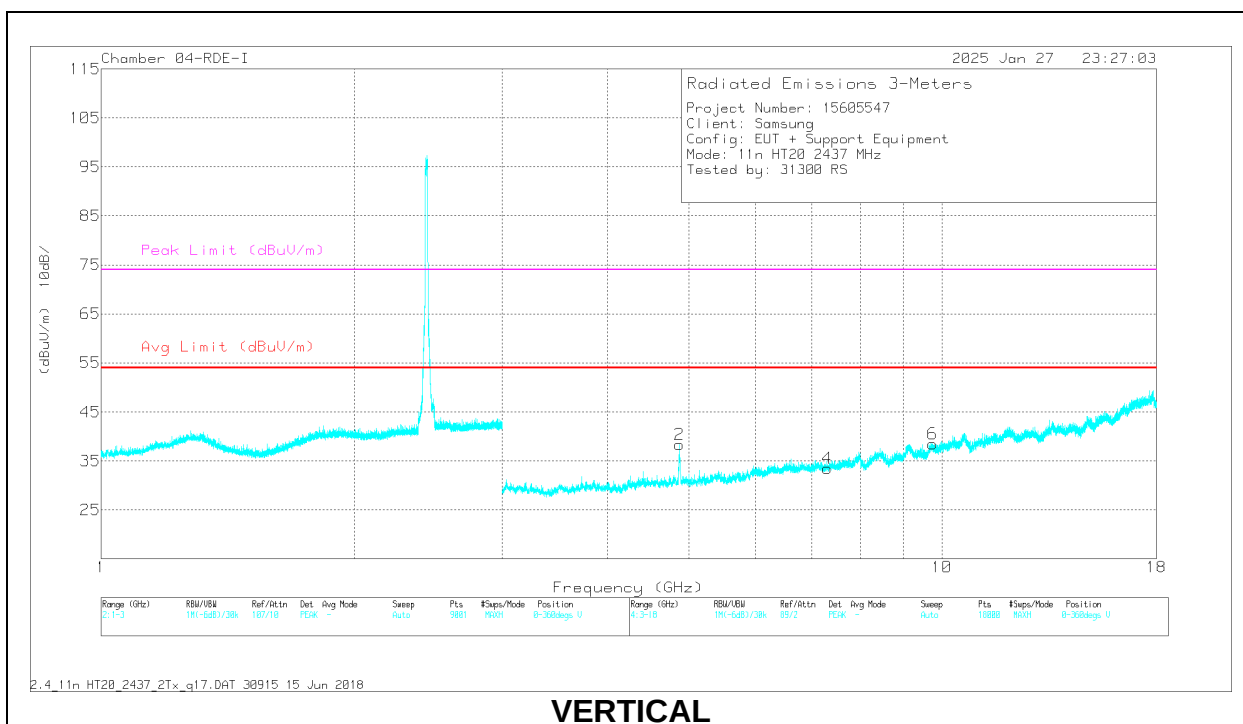
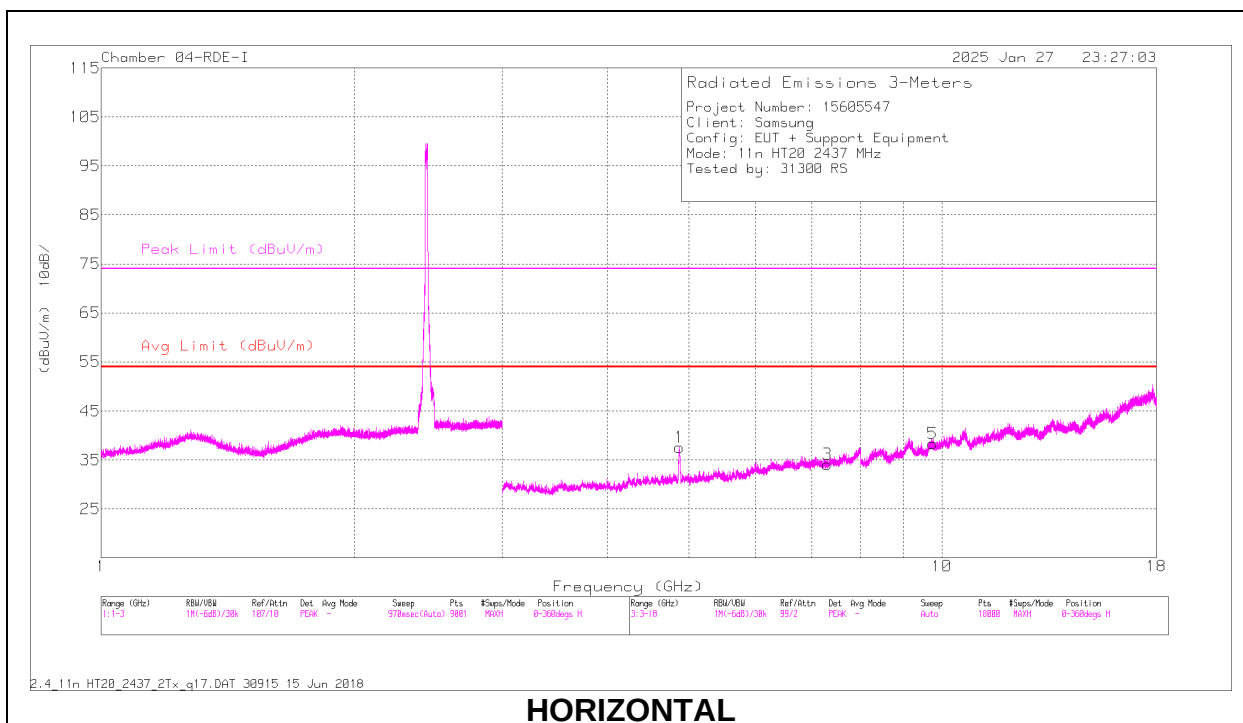
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.820039	38.16	PK2	34.1	-26.2	0	46.06	-	-	74	-27.94	215	102	H
	* 4.824288	26.35	MAv1	34	-26.2	.37	34.52	54	-19.48	-	-	215	102	H
2	* 4.825273	40.32	PK2	34	-26.2	0	48.12	-	-	74	-25.88	196	242	V
	* 4.825193	28.75	MAv1	34	-26.2	.37	36.92	54	-17.08	-	-	196	242	V
3	7.238064	33.23	PK2	35.6	-24.4	0	44.43	-	-	-	-	157	344	H
4	7.23465	34.94	PK2	35.5	-24.4	0	46.04	-	-	-	-	263	251	V
5	9.648688	32.13	PK2	36.8	-20.7	0	48.23	-	-	-	-	203	110	H
6	9.646013	31.62	PK2	36.8	-20.8	0	47.62	-	-	-	-	37	176	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

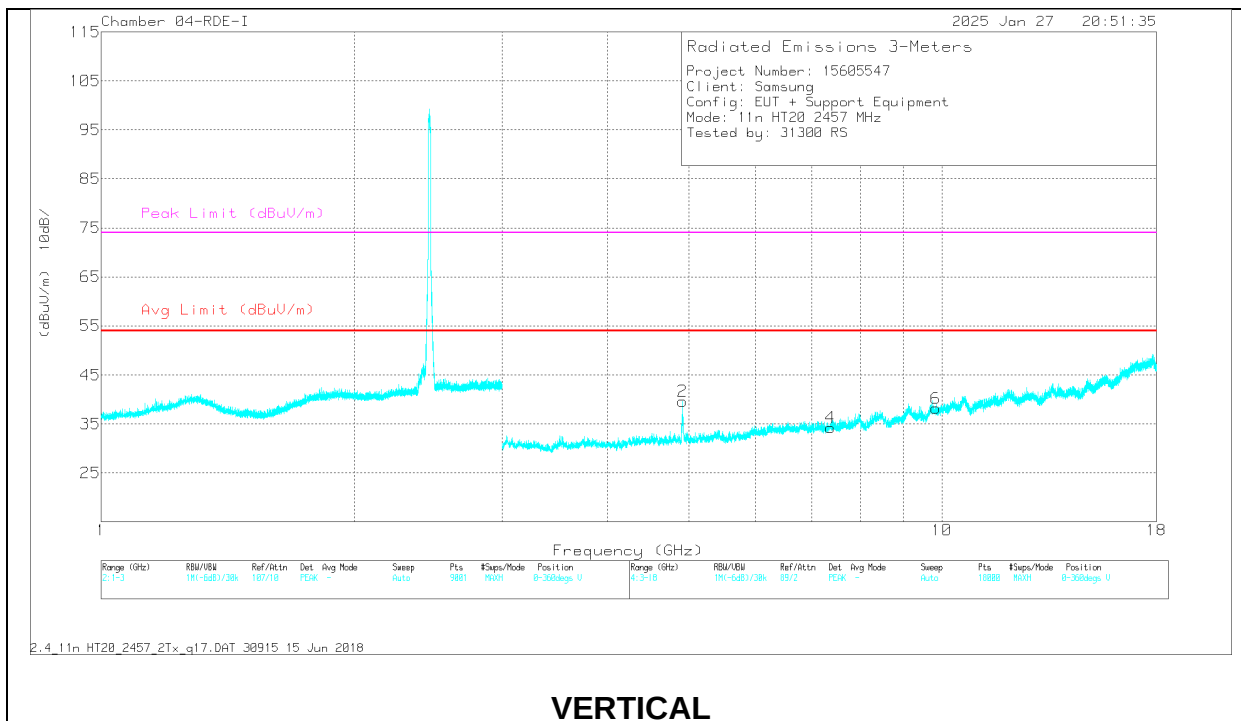
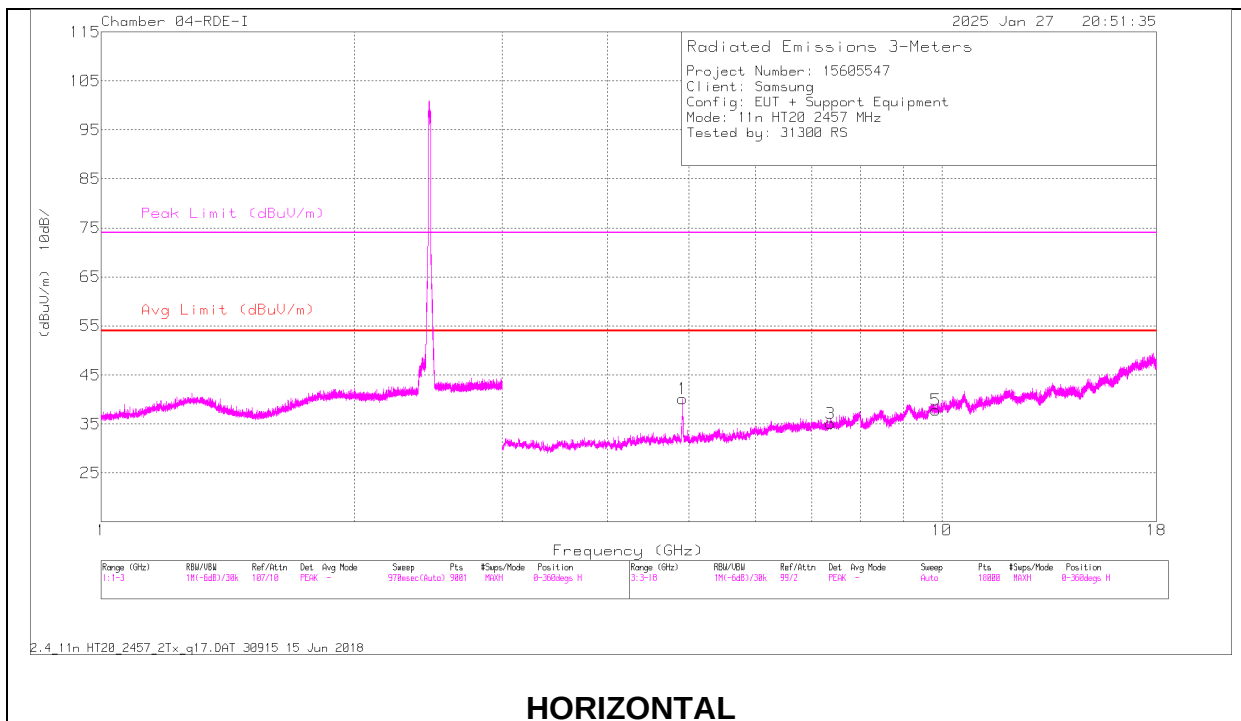
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.875156	41.18	PK2	33.9	-26.6	0	48.48	-	-	74	-25.52	218	130	H
	* 4.872823	29.12	MAv1	33.9	-26.6	.37	36.79	54	-17.21	-	-	218	130	H
2	* 4.875117	42.94	PK2	33.9	-26.6	0	50.24	-	-	74	-23.76	196	238	V
	* 4.873281	31.62	MAv1	33.9	-26.6	.37	39.29	54	-14.71	-	-	196	238	V
3	* 7.309877	32.8	PK2	35.6	-24.5	0	43.9	-	-	74	-30.1	23	200	H
	* 7.310859	21.31	MAv1	35.6	-24.5	.37	32.78	54	-21.22	-	-	23	200	H
4	* 7.308329	33.26	PK2	35.6	-24.5	0	44.36	-	-	74	-29.64	154	101	V
	* 7.308959	21.7	MAv1	35.6	-24.5	.37	33.17	54	-20.83	-	-	154	101	V
5	9.747683	32.1	PK2	36.9	-20.3	0	48.7	-	-	-	-	290	229	H
6	9.745046	32.37	PK2	36.9	-20.2	0	49.07	-	-	-	-	294	231	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 10 RESULTS



RADIATED EMISSIONS

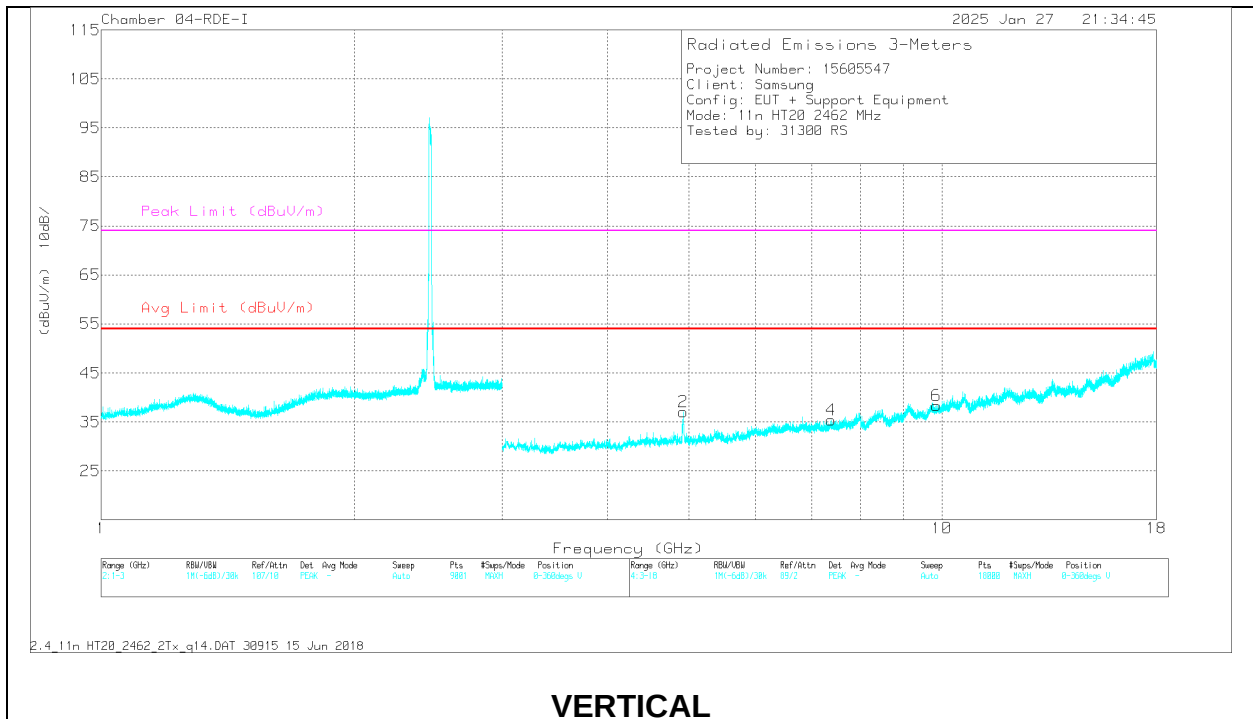
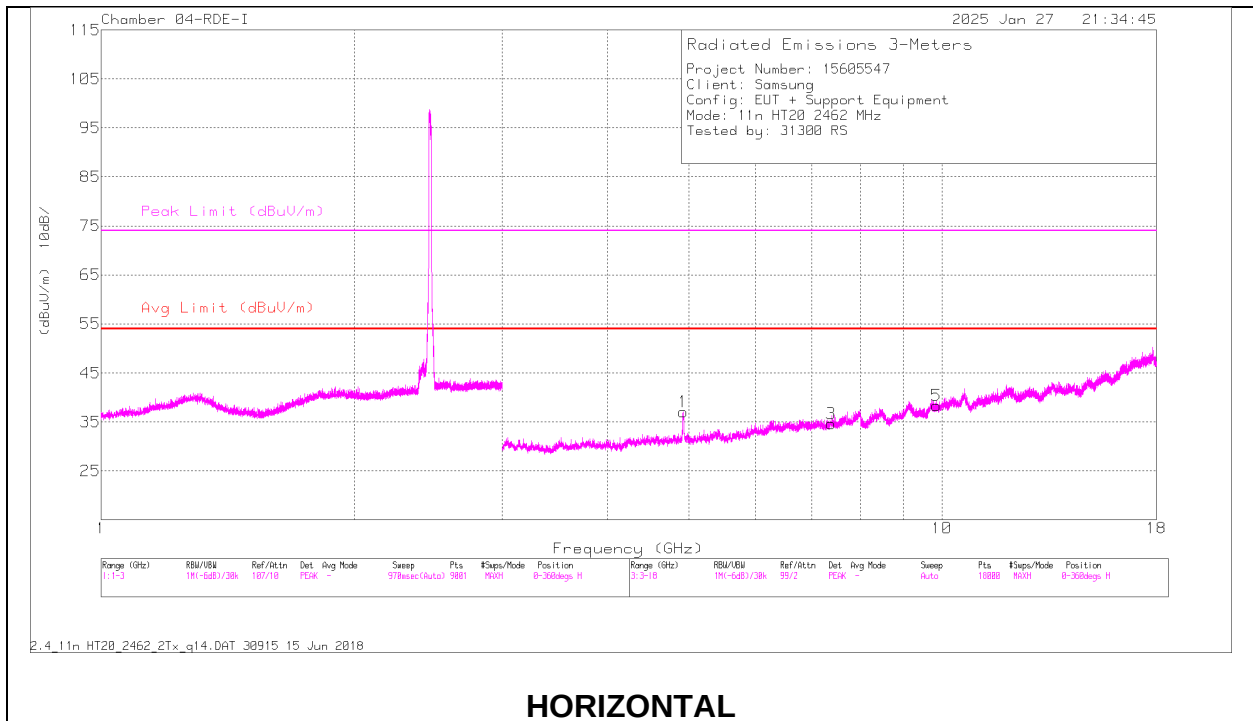
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.915394	39.43	PK2	34	-26.8	0	46.63	-	-	74	-27.37	219	142	H
	* 4.915956	27.6	MAv1	34	-26.8	.37	35.17	54	-18.83	-	-	219	142	H
2	* 4.91967	42.75	PK2	34.1	-26.8	0	50.05	-	-	74	-23.95	197	218	V
	* 4.91515	30.45	MAv1	34	-26.8	.37	38.02	54	-15.98	-	-	197	218	V
3	* 7.359418	32.5	PK2	35.6	-24	0	44.1	-	-	74	-29.9	82	101	H
	* 7.366283	20.95	MAv1	35.6	-23.8	.37	33.12	54	-20.88	-	-	82	101	H
4	* 7.367927	32.43	PK2	35.6	-23.8	0	44.23	-	-	74	-29.77	59	101	V
	* 7.368676	21.31	MAv1	35.6	-23.8	.37	33.48	54	-20.52	-	-	59	101	V
5	9.827325	33.18	PK2	36.9	-21.1	0	48.98	-	-	-	-	232	196	H
6	9.827559	32.4	PK2	36.9	-21.1	0	48.2	-	-	-	-	324	180	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

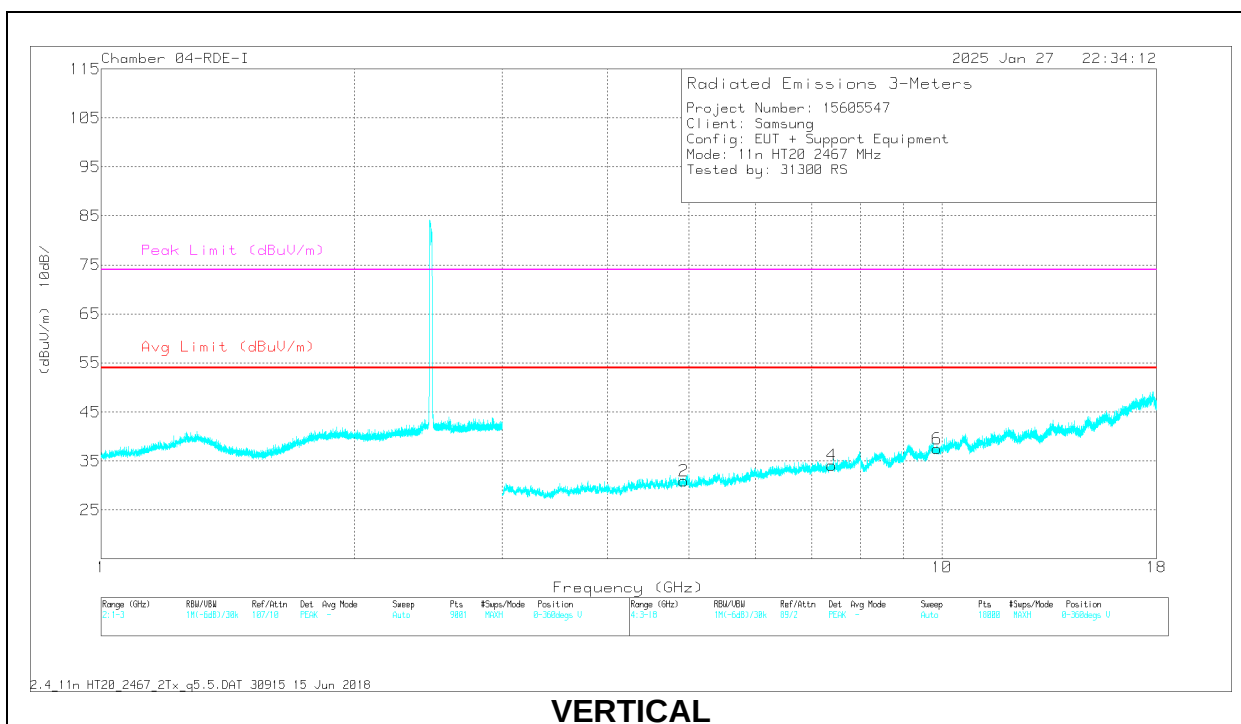
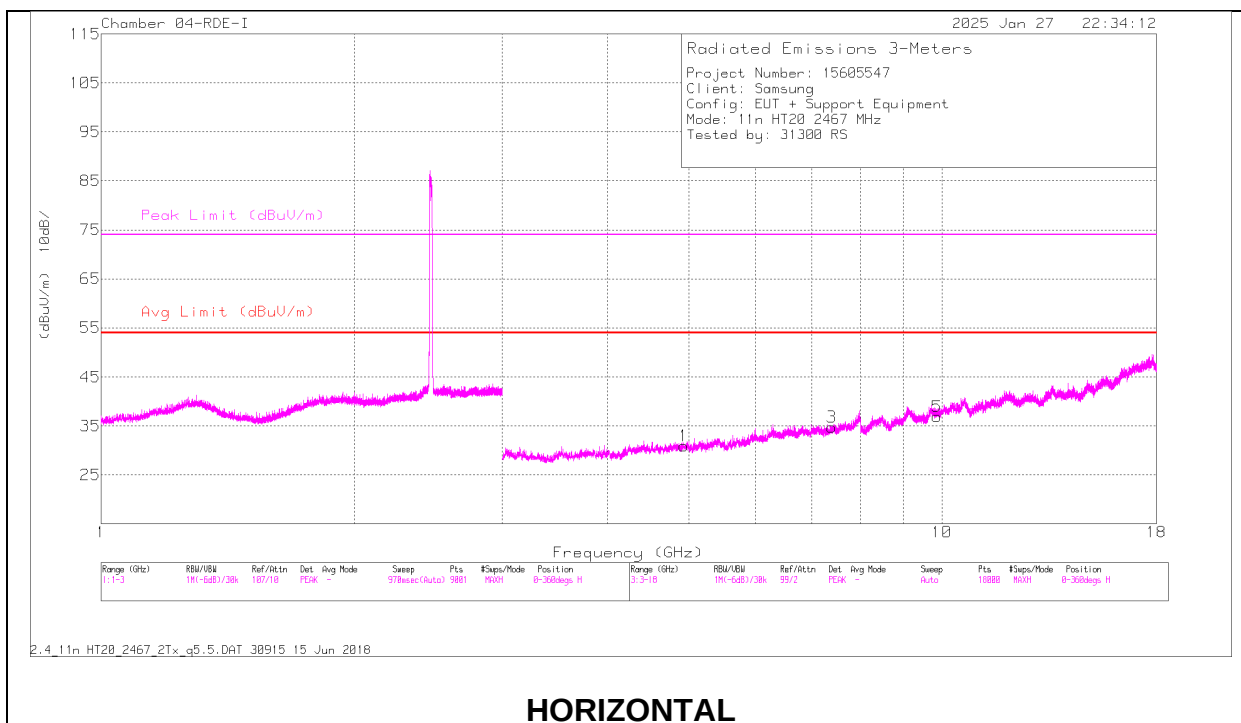
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.926771	39.69	PK2	34.1	-26.9	0	46.89	-	-	74	-27.11	223	144	H
	* 4.923291	27.61	MAv1	34.1	-26.8	.37	35.28	54	-18.72	-	-	223	144	H
2	* 4.924889	40.36	PK2	34.1	-26.9	0	47.56	-	-	74	-26.44	191	208	V
	* 4.924787	28.49	MAv1	34.1	-26.9	.37	36.06	54	-17.94	-	-	191	208	V
3	* 7.383356	31.77	PK2	35.6	-23.5	0	43.87	-	-	74	-30.13	340	101	H
	* 7.382683	20.47	MAv1	35.6	-23.5	.37	32.94	54	-21.06	-	-	340	101	H
4	* 7.385459	31.53	PK2	35.6	-23.5	0	43.63	-	-	74	-30.37	112	199	V
	* 7.38367	20.37	MAv1	35.6	-23.5	.37	32.84	54	-21.16	-	-	112	199	V
5	9.848406	32.69	PK2	37	-21.4	0	48.29	-	-	-	-	293	147	H
6	9.850599	32.81	PK2	37	-21.4	0	48.41	-	-	-	-	17	235	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 12 RESULTS



RADIATED EMISSIONS

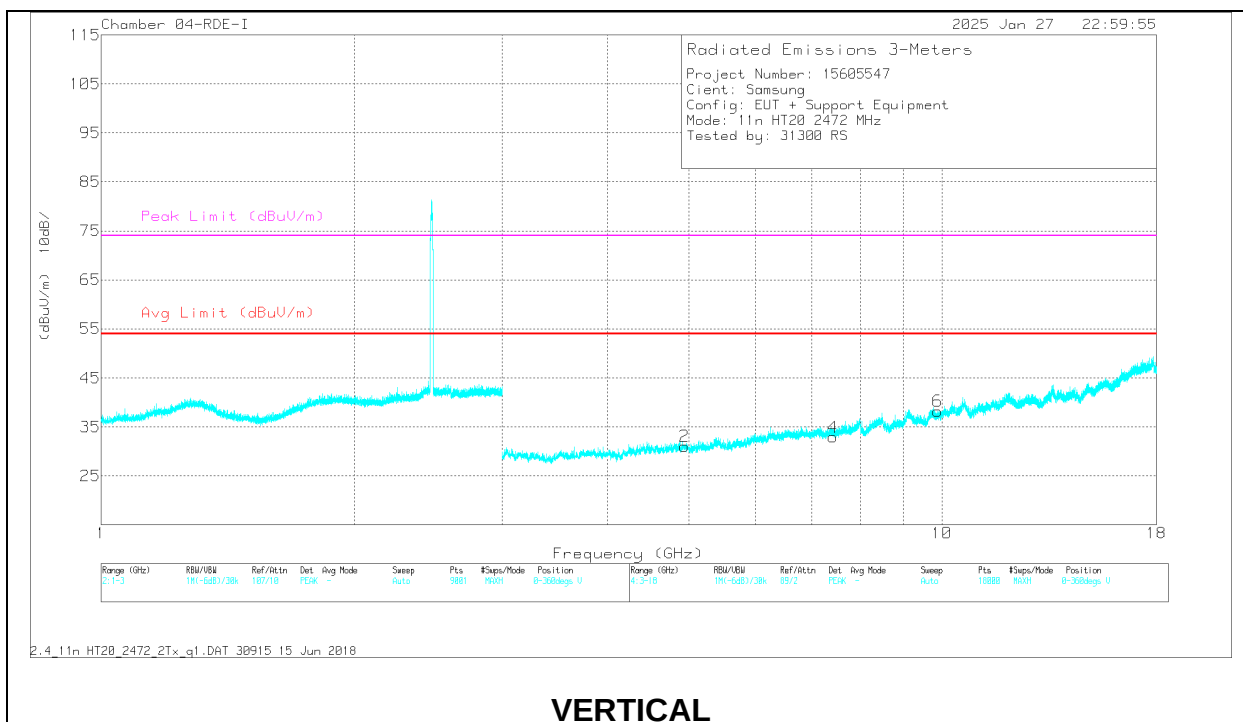
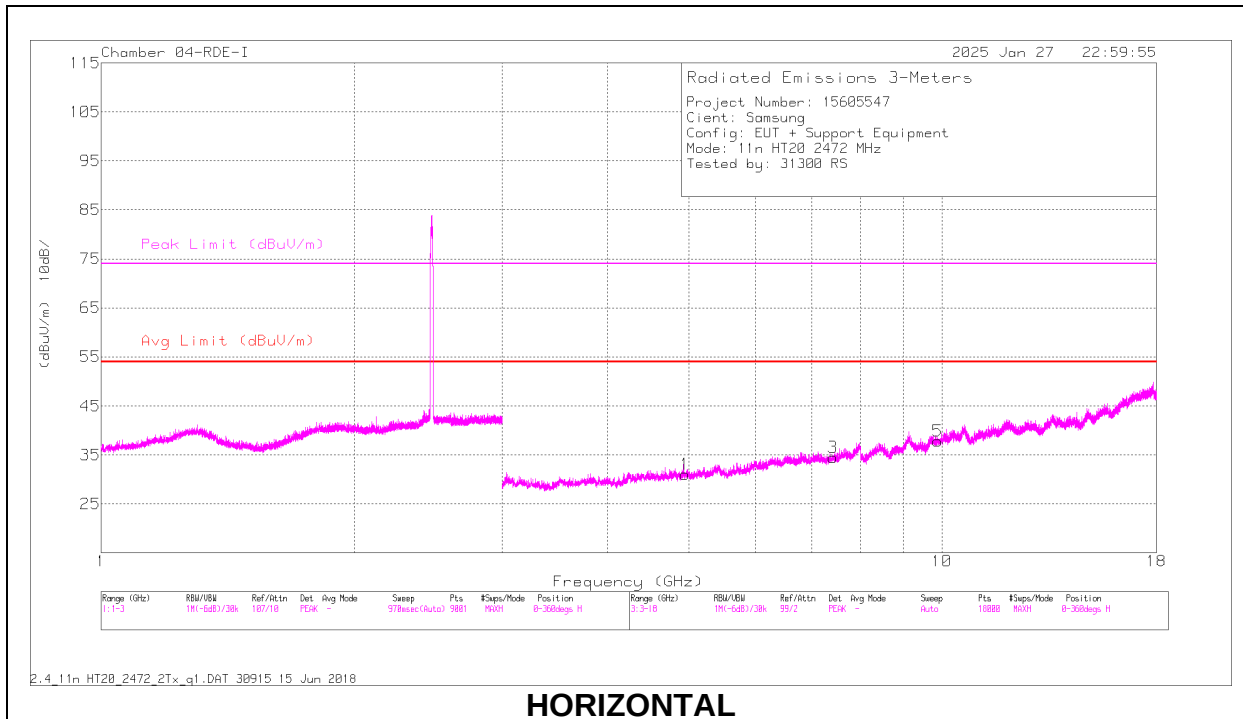
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.947644	34.57	PK2	34.2	-27.2	0	41.57	-	-	74	-32.43	4	152	H
	* 4.950971	22.84	MAv1	34.2	-27.2	.37	30.21	54	-23.79	-	-	4	152	H
2	* 4.943886	34.77	PK2	34.1	-27.1	0	41.77	-	-	74	-32.23	185	200	V
	* 4.933797	22.96	MAv1	34.1	-27	.37	30.43	54	-23.57	-	-	185	200	V
3	* 7.404056	32.33	PK2	35.6	-23.4	0	44.53	-	-	74	-29.47	304	101	H
	* 7.402599	20.99	MAv1	35.6	-23.4	.37	33.56	54	-20.44	-	-	304	101	H
4	* 7.404887	33.11	PK2	35.6	-23.4	0	45.31	-	-	74	-28.69	222	101	V
	* 7.404981	20.97	MAv1	35.6	-23.4	.37	33.54	54	-20.46	-	-	222	101	V
5	9.866106	32.79	PK2	37	-21.4	0	48.39	-	-	-	-	23	176	H
6	9.868855	32.84	PK2	37	-21.4	0	48.44	-	-	-	-	183	143	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 13 RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	222740 ACF (dB/m)	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.946612	34.45	PK2	34.2	-27.2	0	41.45	-	-	74	-32.55	315	191	H
	* 4.948785	23.05	MAv1	34.2	-27.2	.37	30.42	54	-23.58	-	-	315	191	H
2	* 4.945769	34.27	PK2	34.2	-27.1	0	41.37	-	-	74	-32.63	355	138	V
	* 4.942733	22.86	MAv1	34.1	-27.1	.37	30.23	54	-23.77	-	-	355	138	V
3	* 7.412062	32.07	PK2	35.6	-23.5	0	44.17	-	-	74	-29.83	268	101	H
	* 7.412854	20.91	MAv1	35.6	-23.4	.37	33.48	54	-20.52	-	-	268	101	H
4	* 7.418812	32.08	PK2	35.6	-23.4	0	44.28	-	-	74	-29.72	283	200	V
	* 7.418639	20.71	MAv1	35.6	-23.4	.37	33.28	54	-20.72	-	-	283	200	V
5	9.886889	32.83	PK2	37.1	-21.3	0	48.63	-	-	-	-	183	186	H
6	9.887102	33.29	PK2	37.1	-21.3	0	49.09	-	-	-	-	22	122	V

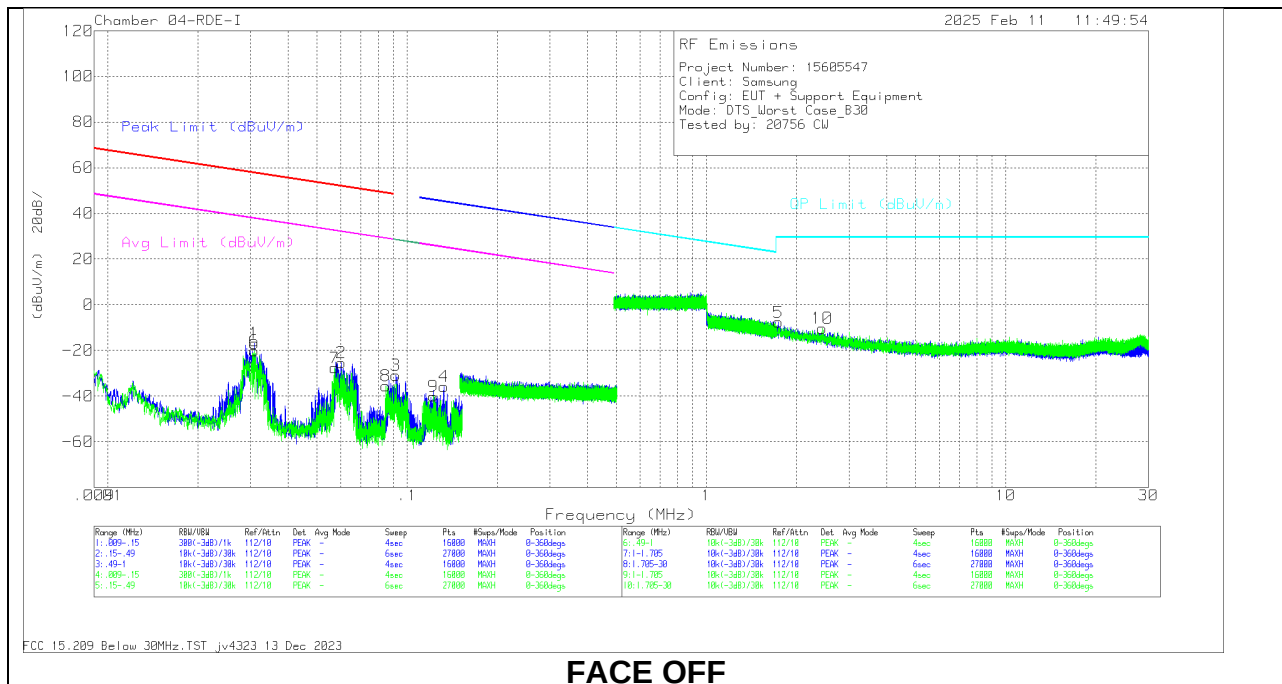
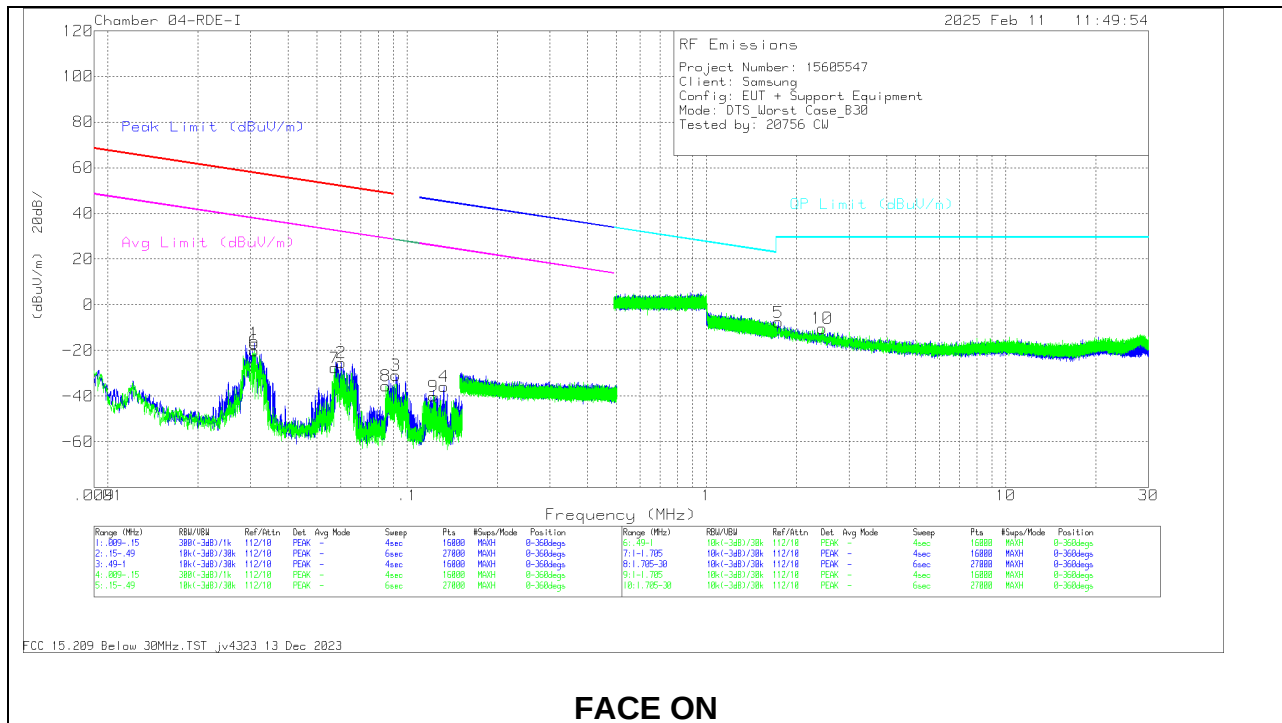
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

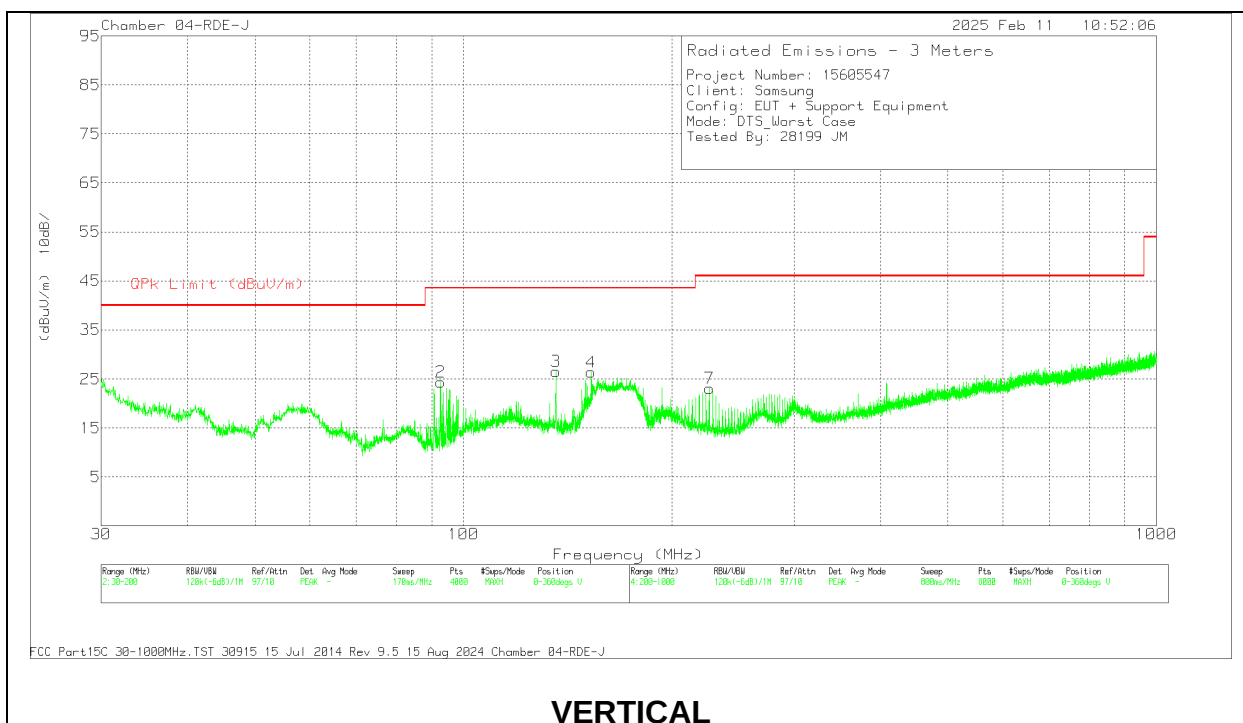
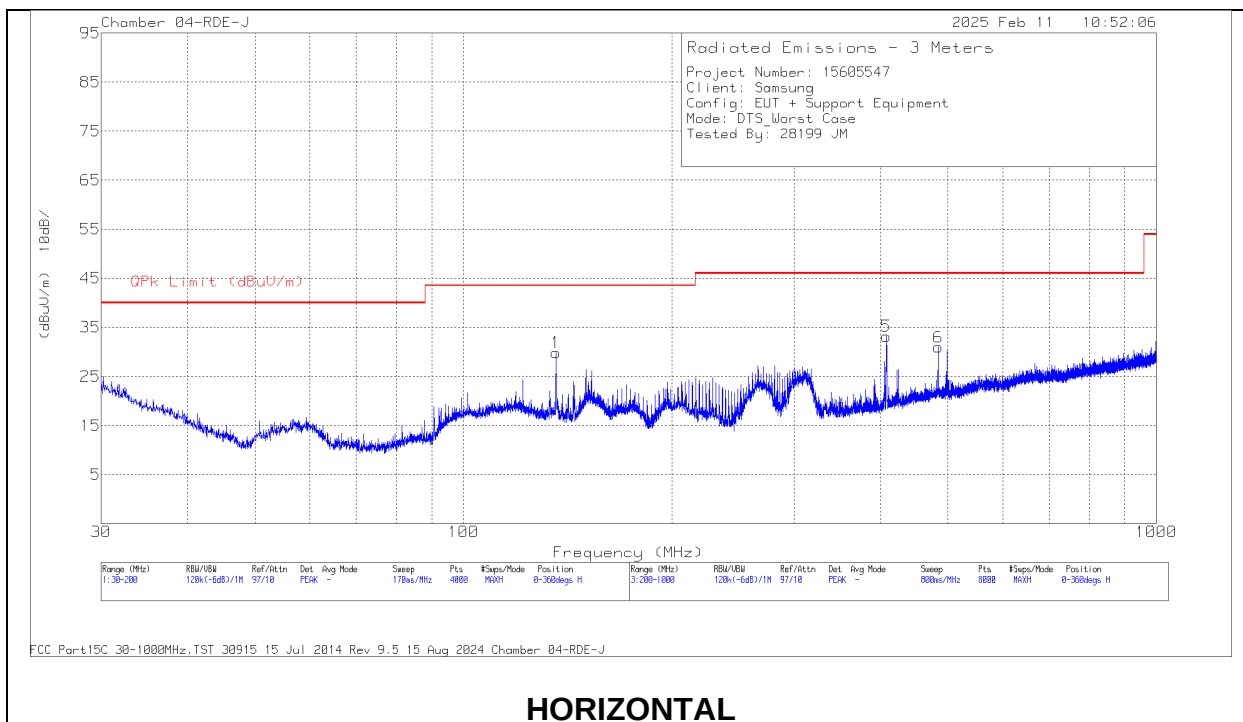
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Amp/Cbl (dB)	Dist Corr 300m (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
1	.0309	37.55	Pk	57.9	-32.3	-80	-16.85	57.79	-74.64	37.79	-54.64	-	-	-	-	-	-	0-360	On
2	.0604	30.6	Pk	56.2	-32.3	-80	-25.5	51.97	-77.47	31.97	-57.47	-	-	-	-	-	-	0-360	On
3	.0919	25.71	Pk	55.8	-32.3	-80	-30.79	-	-	-	-	28.33	-59.12	-	-	-	-	0-360	On
4	.1326	20.46	Pk	55.9	-32.3	-80	-35.94	-	-	-	-	-	-	45.18	-81.12	25.18	-61.12	0-360	On
6	.0309	34.29	Pk	57.9	-32.3	-80	-20.11	57.79	-77.9	37.79	-57.9	-	-	-	-	-	-	0-360	Off
7	.0573	28.17	Pk	56.4	-32.3	-80	-27.73	52.42	-80.15	32.42	-60.15	-	-	-	-	-	-	0-360	Off
8	.0849	21.05	Pk	55.8	-32.3	-80	-35.45	49	-84.45	29	-64.45	-	-	-	-	-	-	0-360	Off
9	.1223	16.4	Pk	55.8	-32.3	-80	-40.1	-	-	-	-	-	-	45.87	-85.97	25.87	-65.97	0-360	Off

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Amp/Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Polarity
5	1.7396	21.59	Pk	42.9	-32.2	-40	-7.71	29.5	-37.21	0-360	On
10	2.4386	21.67	Pk	40.3	-32.2	-40	-10.23	29.5	-39.73	0-360	Off

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHz

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

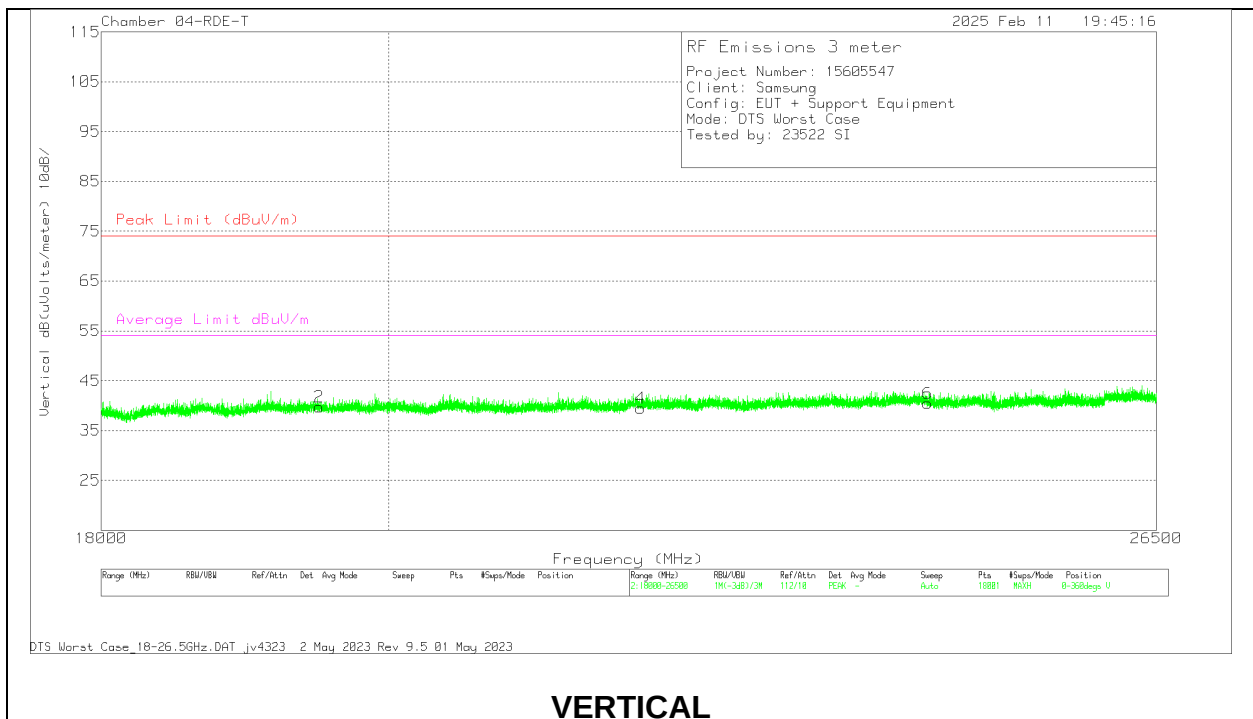
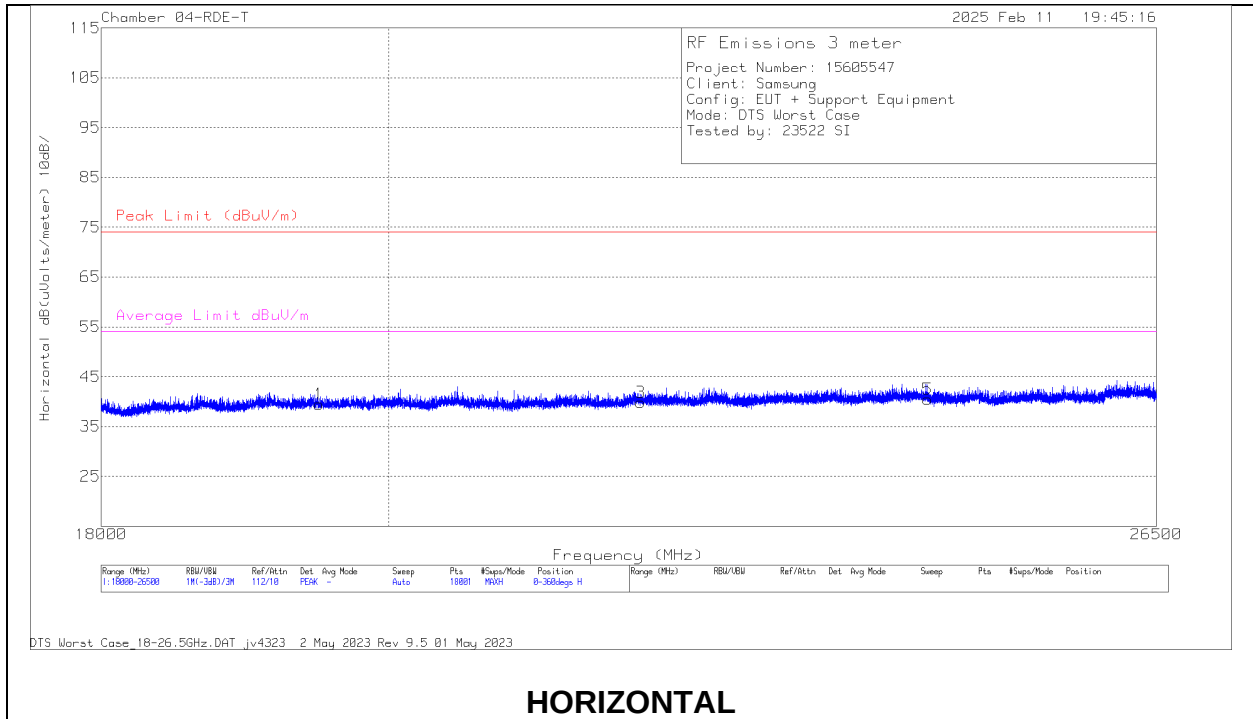


Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80293 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 135.98	41.45	Pk	19.5	-31.1	29.85	43.52	-13.67	0-360	98	H
2	92.6612	41.34	Pk	14.3	-31.3	24.34	43.52	-19.18	0-360	100	V
3	* 136.022	38.09	Pk	19.5	-31.1	26.49	43.52	-17.03	0-360	100	V
4	152.942	39.05	Pk	18.3	-31	26.35	43.52	-17.17	0-360	100	V
5	* 407.427	41.53	Pk	21.8	-30.1	33.23	46.02	-12.79	0-360	99	H
6	* 407.989	37.05	Qp	21.8	-30.1	28.75	46.02	-17.27	295	244	H
7	226.303	36.87	Pk	16.9	-30.7	23.07	46.02	-22.95	0-360	199	V

10.4. WORST CASE 18-26 GHz

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



18 – 26GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	199658 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
1	* 19496.472	54.79	Pk	32.5	-61.9	14.1	39.49	74	-34.51	-	-	0-360	199	H
2	* 19496.472	55.01	Pk	32.5	-61.9	14.1	39.71	74	-34.29	-	-	0-360	199	V
3	21933.609	54.28	Pk	33	-62.4	15	39.88	74	-34.12	-	-	0-360	101	H
4	21933.609	53.94	Pk	33	-62.4	15	39.54	74	-34.46	-	-	0-360	199	V
5	24370.747	52.62	Pk	33.7	-61.6	15.8	40.52	74	-33.48	-	-	0-360	101	H
6	24370.747	52.54	Pk	33.7	-61.6	15.8	40.44	74	-33.56	-	-	0-360	199	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

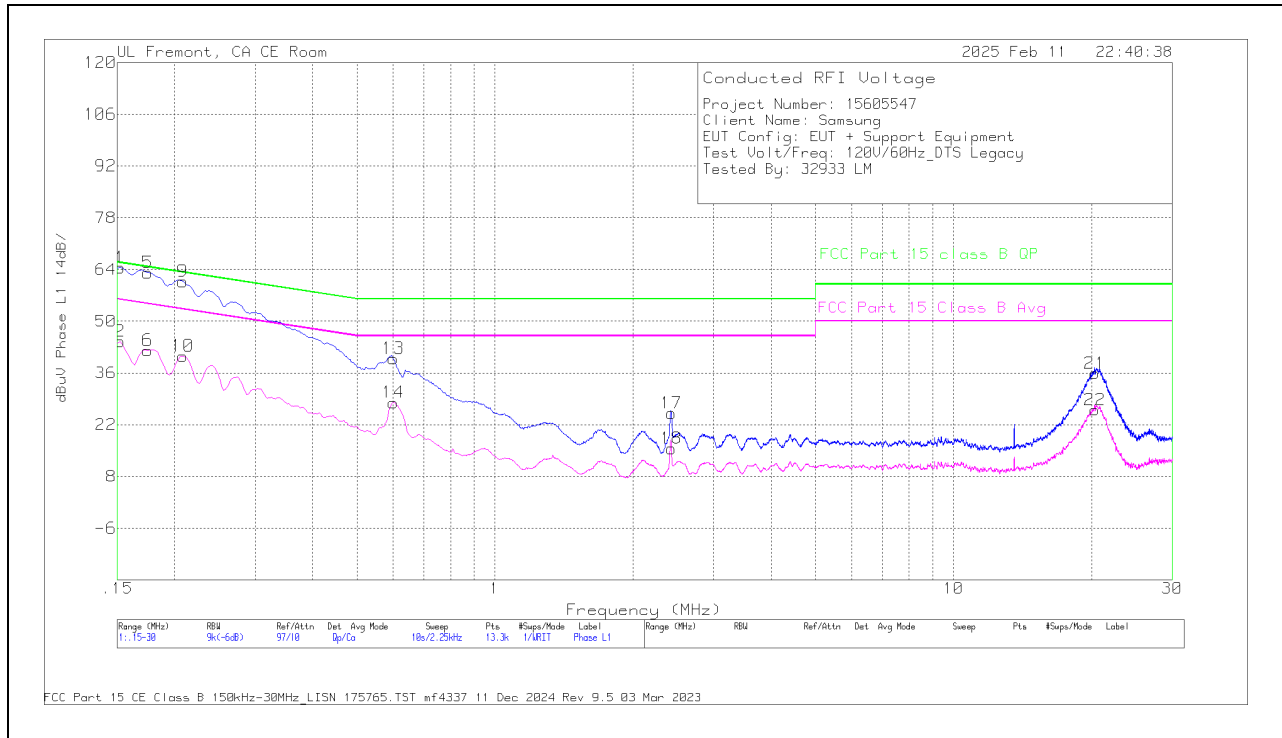
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

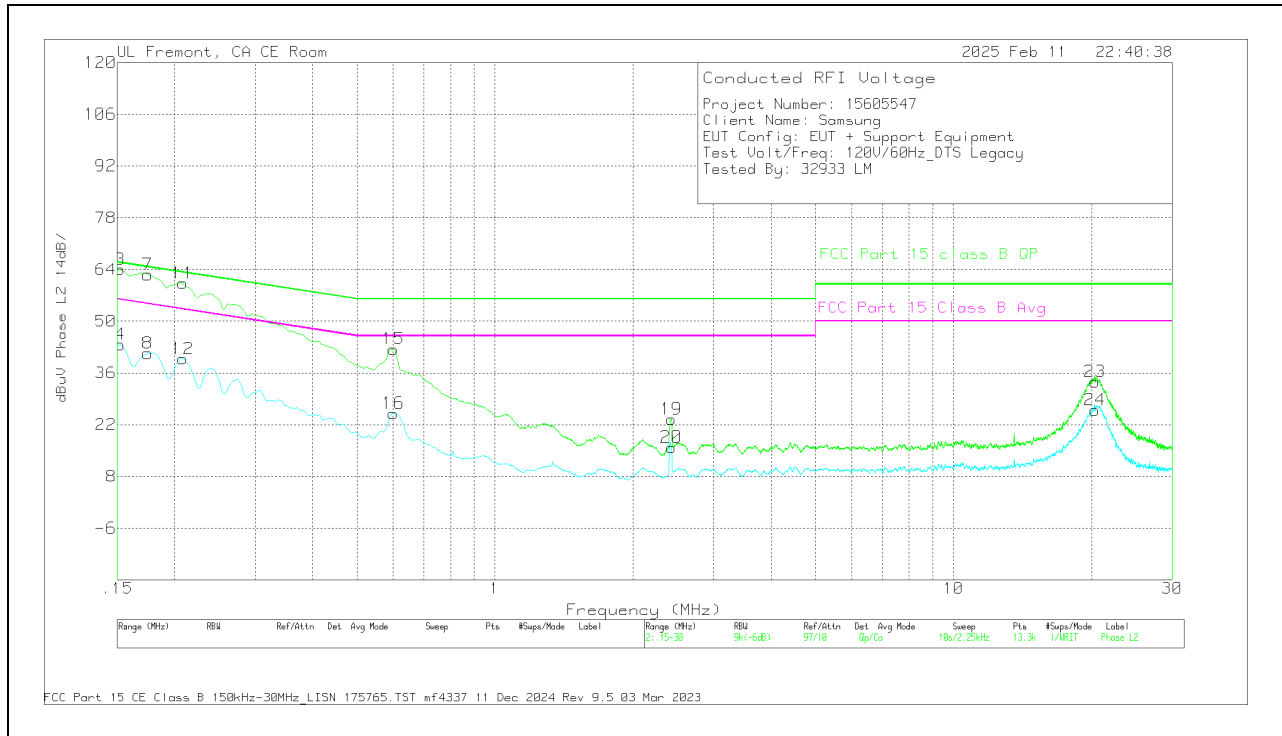
LINE 1 RESULTS



Range 1: Phase L1 .15 - 30MHz												
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	CBL(dB)	LISN (dB)	CBL(dB)	10dB Atten (dB)	Correct ed Reading dBuV	FCC Part 15C Avg	Margin (dB)	FCC Part 15C QP	Margin (dB)
2	.1523	25.43	Ca	.5	.1	8.5	10	44.53	55.88	-11.35	-	-
6	.1748	23.2	Ca	.3	.1	8.5	10	42.1	54.73	-12.63	-	-
10	.2085	22.08	Ca	.1	0	8.4	10	40.58	53.26	-12.68	-	-
14	.6	9.88	Ca	-.1	0	8.2	10	27.98	46	-18.02	-	-
18	2.4248	-2.56	Ca	-.2	0	8.3	10	15.54	46	-30.46	-	-
22	20.3415	7.91	Ca	0	.1	8	10	26.01	50	-23.99	-	-
1	.1523	45.41	Qp	.5	.1	8.5	10	64.51	-	-	65.88	-1.37
5	.1748	44.24	Qp	.3	.1	8.5	10	63.14	-	-	64.73	-1.59
9	.2085	42.25	Qp	.1	0	8.4	10	60.75	-	-	63.26	-2.51
13	.6	21.8	Qp	-.1	0	8.2	10	39.9	-	-	56	-16.1
17	2.4248	6.99	Qp	-.2	0	8.3	10	25.09	-	-	56	-30.91
21	20.3415	17.77	Qp	0	.1	8	10	35.87	-	-	60	-24.13

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)	L1SN (dB)	CBL(dB)	10dB Atten (dB)	Corrected Reading dBuV	FCC Part 15C Avg	Margin (dB)	FCC Part 15C QP	Margin (dB)
4	.1523	24.58	Ca	.5	.1	8.5	10	43.68	55.88	-12.2	-	-
8	.1748	22.51	Ca	.3	0	8.5	10	41.31	54.73	-13.42	-	-
12	.2085	21.31	Ca	.1	0	8.4	10	39.81	53.26	-13.45	-	-
16	.6	6.96	Ca	-.1	0	8.2	10	25.06	46	-20.94	-	-
20	2.4248	-2.25	Ca	-.2	0	8.3	10	15.85	46	-30.15	-	-
24	20.3415	7.86	Ca	0	.1	8	10	25.96	50	-24.04	-	-
3	.1523	44.92	Qp	.5	.1	8.5	10	64.02	-	-	65.88	-1.86
7	.1748	43.82	Qp	.3	0	8.5	10	62.62	-	-	64.73	-2.11
11	.2085	41.77	Qp	.1	0	8.4	10	60.27	-	-	63.26	-2.99
15	.6	24.37	Qp	-.1	0	8.2	10	42.47	-	-	56	-13.53
19	2.4248	5.37	Qp	-.2	0	8.3	10	23.47	-	-	56	-32.53
23	20.3415	15.54	Qp	0	.1	8	10	33.64	-	-	60	-26.36

Qp - Quasi-Peak detector
Ca - CISPR average detection

12. **SETUP PHOTOS**

Please refer to 15605547-EP1 for setup photos.

END OF TEST REPORT