



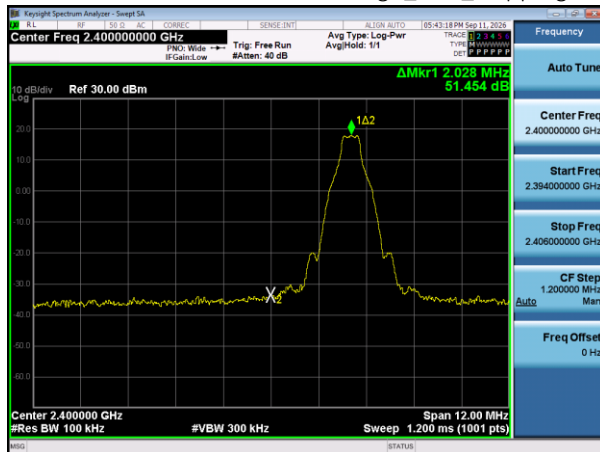
11.5 Test Result for Conducted Spurious Emission

Test Mode	Test Frequency	Conducted Band Edge		
		Non-Hopping Mode Result (dBc)	Hopping Mode Result (dBc)	Limit (dBc)
GFSK(BT1)	Low	51.454	51.287	≥ 20
	High	51.064	50.890	≥ 20
8DPSK(BT1)	Low	33.617	35.339	≥ 20
	High	33.755	43.560	≥ 20
GFSK(BT2)	Low	60.014	62.543	≥ 20
	High	62.054	61.854	≥ 20
8DPSK(BT2)	Low	58.728	61.893	≥ 20
	High	61.526	61.733	≥ 20

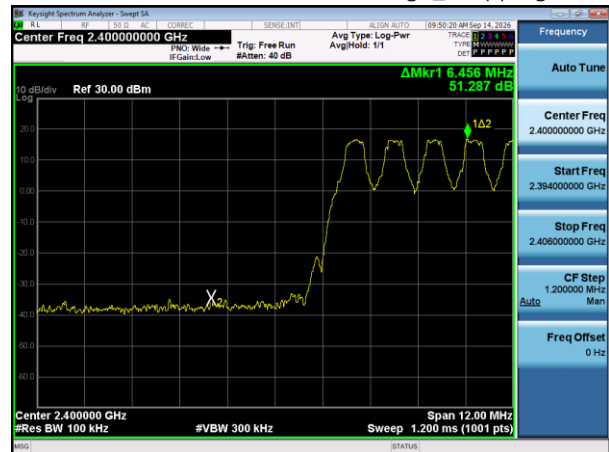
Test Mode	Test Frequency	Conducted Spurious Emission	
		Result (dBc)	Limit (dBc)
GFSK(BT1)	Low	53.289	≥ 20
	Middle	52.011	≥ 20
	High	50.462	≥ 20
8DPSK(BT1)	Low	35.273	≥ 20
	Middle	48.917	≥ 20
	High	41.458	≥ 20
GFSK(BT2)	Low	49.888	≥ 20
	Middle	49.752	≥ 20
	High	49.989	≥ 20
8DPSK(BT2)	Low	49.519	≥ 20
	Middle	48.418	≥ 20
	High	48.614	≥ 20

11.5.1 Test Plots for GFSK(BT1)

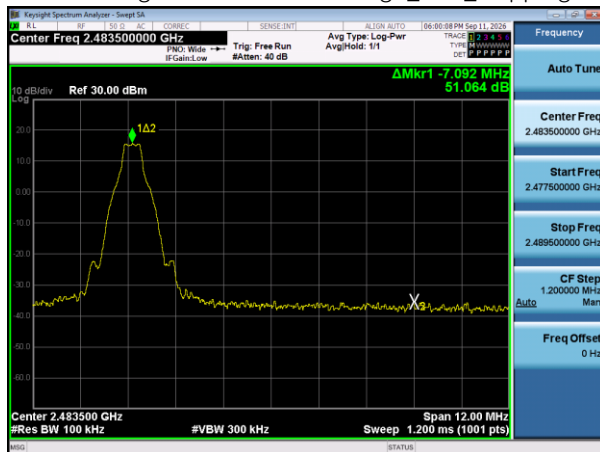
GFSK Low Channel – Bandedge_Non_Hopping



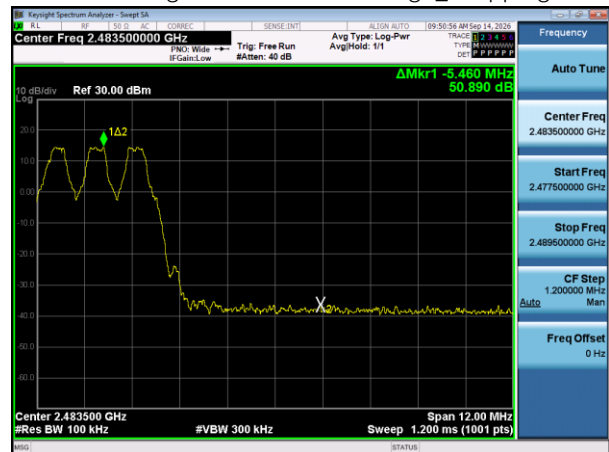
GFSK Low Channel – Bandedge_Hopping



GFSK High Channel – Bandedge_Non_Hopping



GFSK High Channel – Bandedge_Hopping



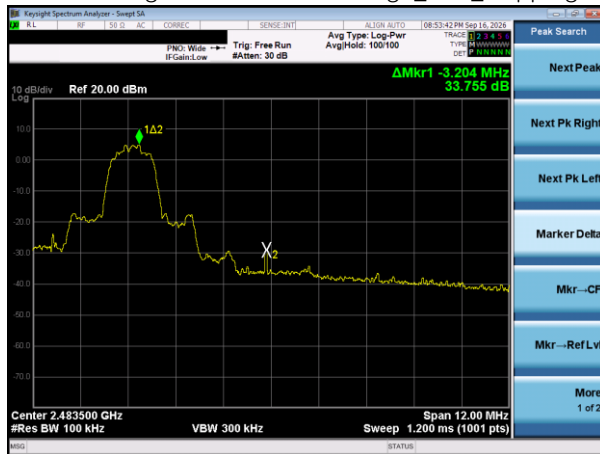
8DPSK Low Channel – Bandedge_Non_Hopping



8DPSK Low Channel – Bandedge_Hopping



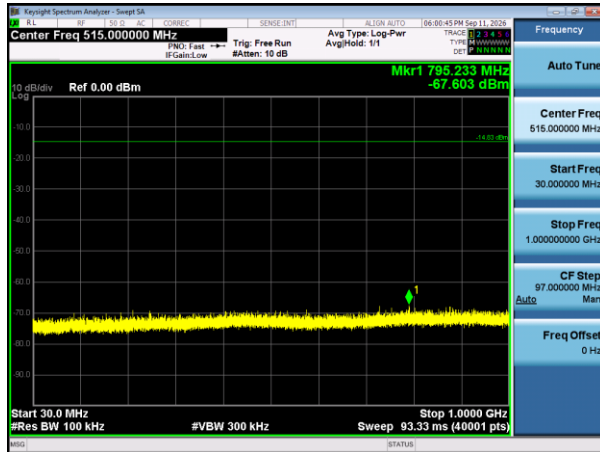
8DPSK High Channel – Bandedge_Non_Hopping



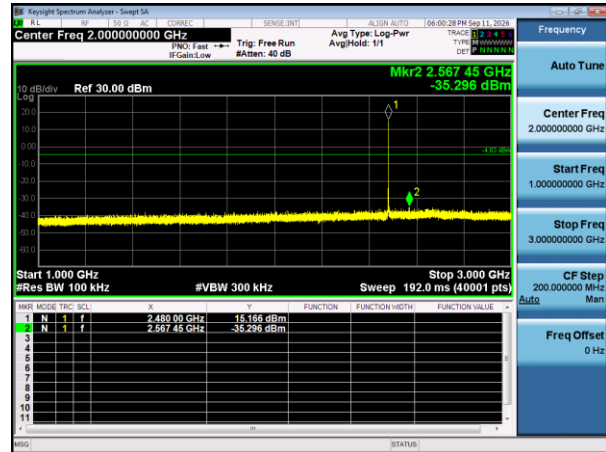
8DPSK High Channel – Bandedge_Hopping



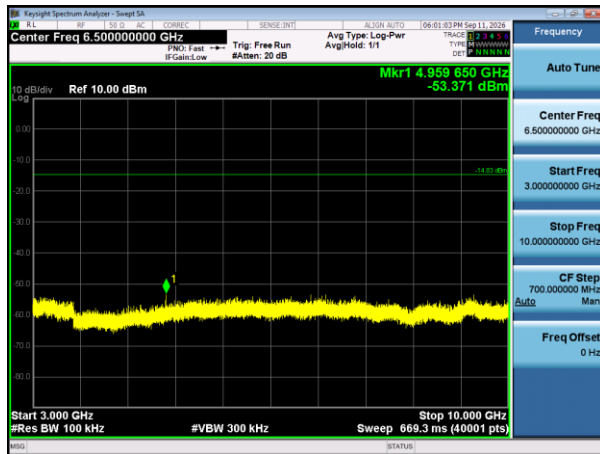
GFSK High Channel (Worst-Channel) – Spurious Emission
30 MHz ~ 1 GHz



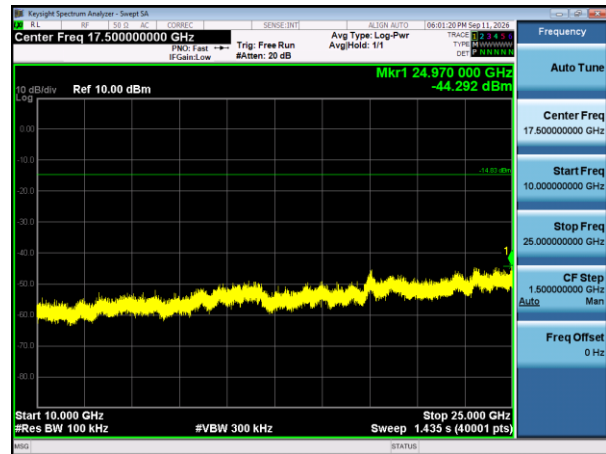
1 GHz ~ 3 GHz



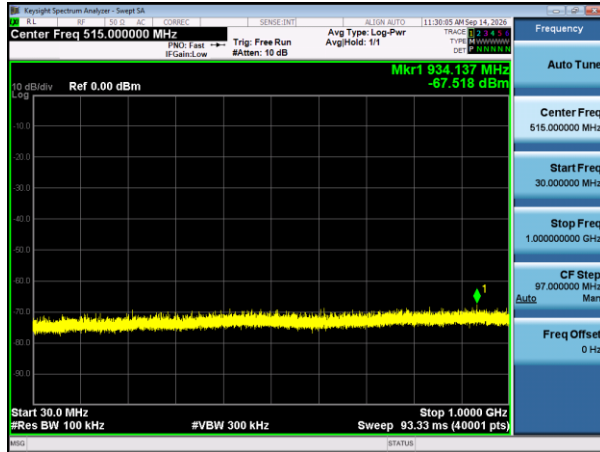
3 GHz ~ 10 GHz



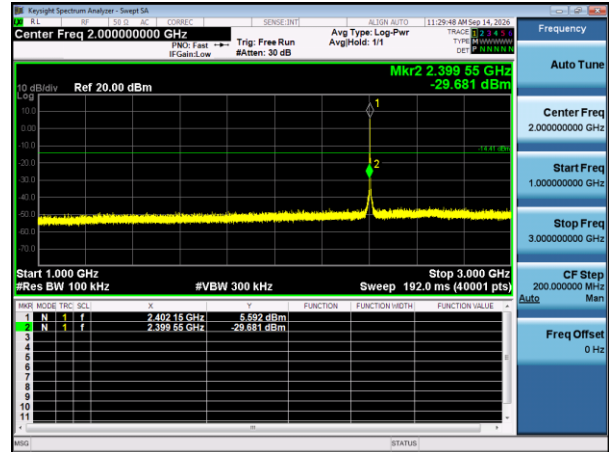
3 GHz ~ 25 GHz



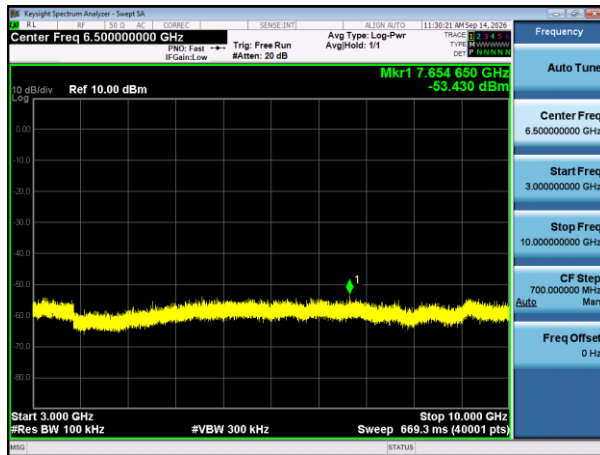
8DPSK Low Channel (Worst-Channel) – Spurious Emission
30 MHz ~ 1 GHz



1 GHz ~ 3 GHz



3 GHz ~ 10 GHz

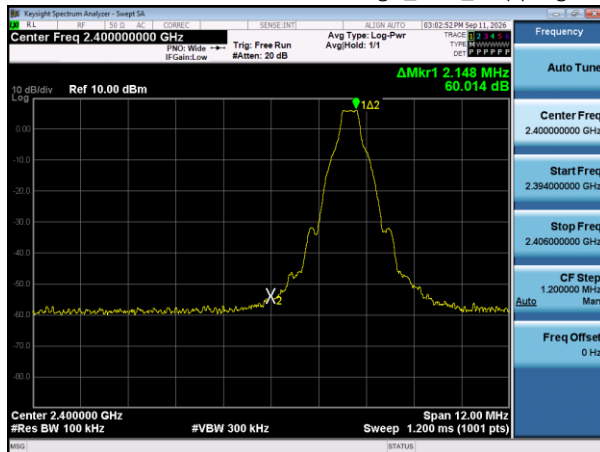


3 GHz ~ 25 GHz



11.5.2 Test Plots for GFSK(BT2)

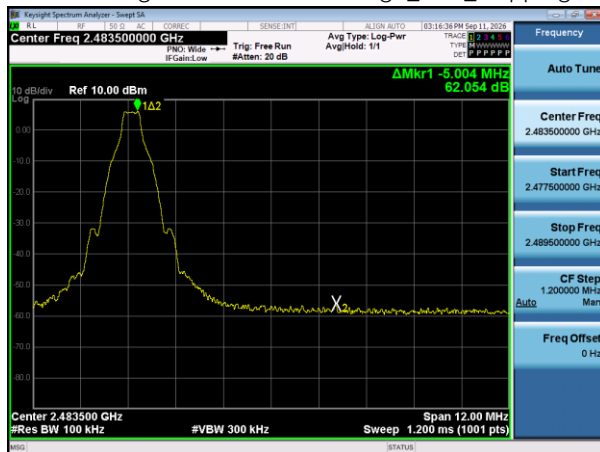
GFSK Low Channel – Bandedge_Non_Hopping



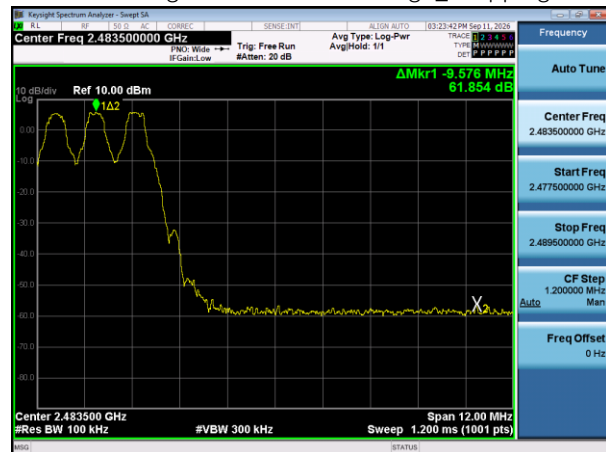
GFSK Low Channel – Bandedge_Hopping



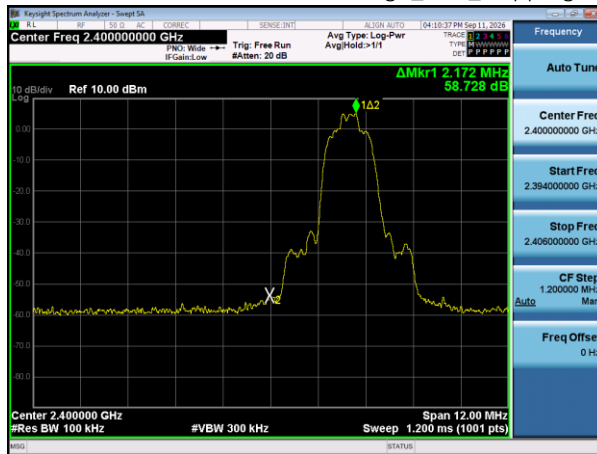
GFSK High Channel – Bandedge_Non_Hopping



GFSK High Channel – Bandedge_Hopping



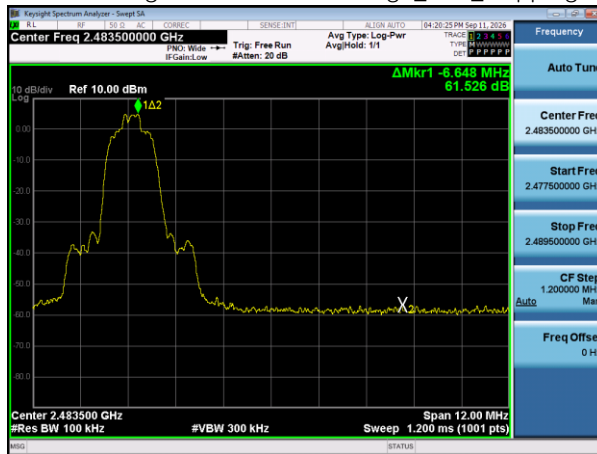
8DPSK Low Channel – Bandedge_Non_Hopping



8DPSK Low Channel – Bandedge_Hopping



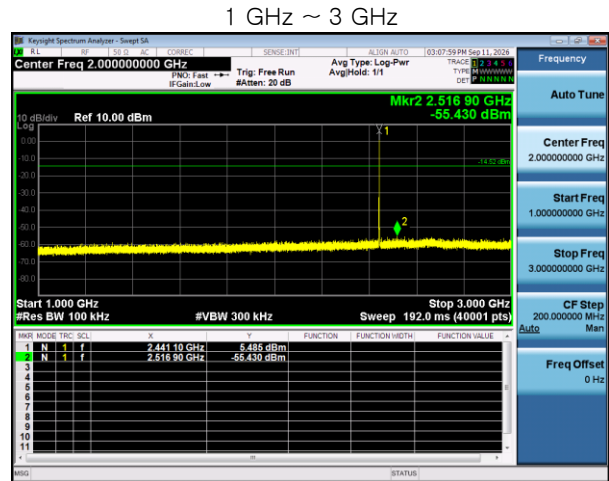
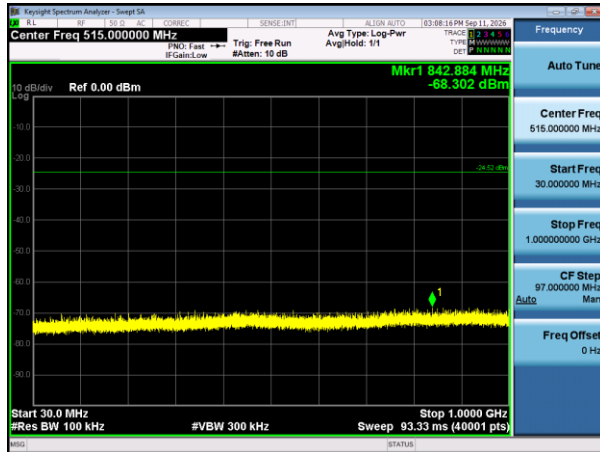
8DPSK High Channel – Bandedge_Non_Hopping



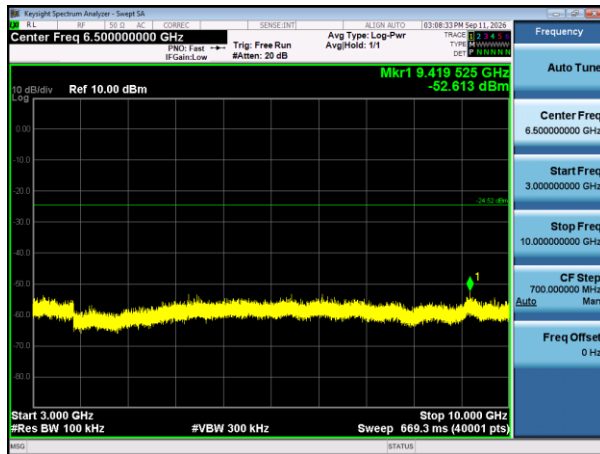
8DPSK High Channel – Bandedge_Hopping



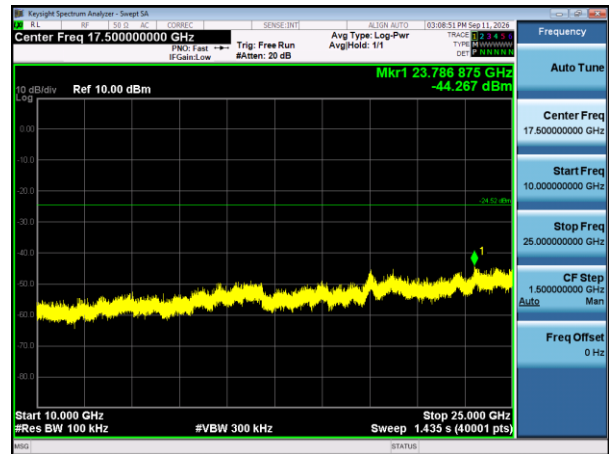
GFSK Mid Channel (Worst-Channel) – Spurious Emission
30 MHz ~ 1 GHz



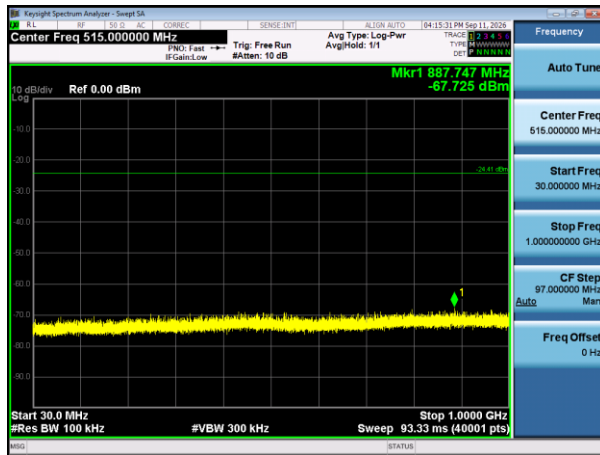
3 GHz ~ 10 GHz



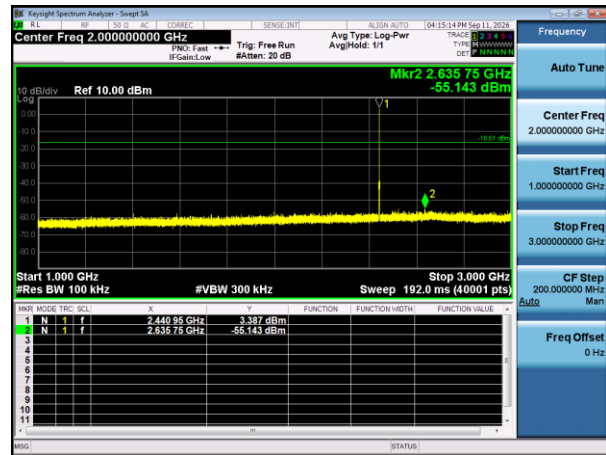
3 GHz ~ 25 GHz



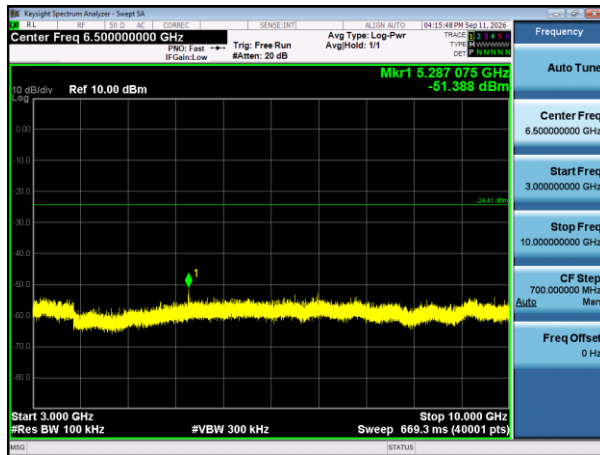
8DPSK Mid Channel (Worst-Channel) – Spurious Emission
30 MHz ~ 1 GHz



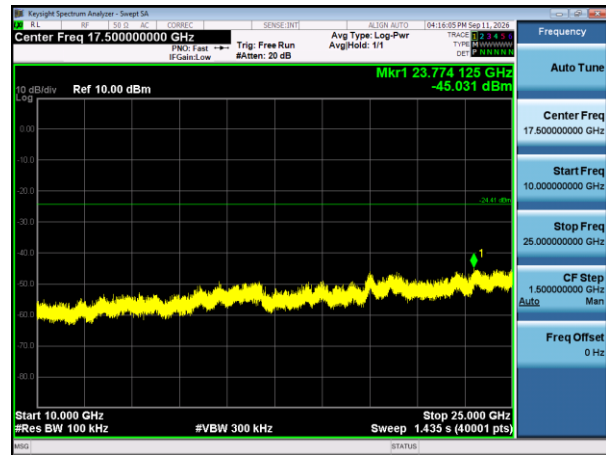
1 GHz ~ 3 GHz



3 GHz ~ 10 GHz



3 GHz ~ 25 GHz



11.6 Test Result for Radiated Spurious Emission

11.6.1 9 kHz ~ 25 GHz Data for BT1

Test Mode : GFSK (BR)

● Low frequency

Frequency (MHz)	Reading		Pol.	Factor (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 389.64	–	54.45	V	10.53	–24.76	54.0	74.0	40.2	65.0	13.8	9.0
4 803.58	–	67.13	V	–0.50	–24.76	54.0	74.0	41.9	66.6	12.1	7.4
9 608.53	–	45.78	H	13.34	–24.76	54.0	74.0	34.4	59.1	19.6	14.9
12 010.71	–	35.31	V	0.00	–24.76	54.0	74.0	10.6	35.3	43.5	38.7

● Middle frequency

Frequency	Reading		Pol.	Factor (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
4 882.30	–	65.74	V	–0.20	–24.76	54.0	74.0	40.8	65.5	13.2	8.5
9 764.66	–	42.74	H	14.25	–24.76	54.0	74.0	32.2	57.0	21.8	17.0

● High frequency

Frequency	Reading		Pol.	Factor (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 486.68	–	55.86	V	10.47	–24.76	54.0	74.0	41.6	66.3	12.4	7.7
4 959.58	–	59.40	V	0.43	–24.76	54.0	74.0	35.1	59.8	18.9	14.2
9 919.38	–	38.12	V	14.63	–24.76	54.0	74.0	28.0	52.8	26.0	21.3

Note 1: The radiated emissions were investigated 9 kHz to 25 GHz. And no other spurious and harmonic emissions were found above listed frequencies.

Note 2: DCCF(Duty Cycle Correction Factor)

- Time to cycle through all channels = $\Delta t = T \text{ [ms]} \times 20$ minimum hopping channels, where $T = \text{pulse width} = 2.89 \text{ ms}$
- $100 \text{ ms} / \Delta t \text{ [ms]} = H \rightarrow$ Round up to next highest integer, to account for worst case, $H' = 100 / (2.89 \times 20) = 1.73 \approx 2$
- The Worst Case Dwell Time = $T \text{ [ms]} \times H' = 2.89 \text{ ms} \times 2 = 5.78 \text{ ms}$
- $\text{DCCF} = 20 \times \log(\text{The Worst Case Dwell Time} / 100 \text{ ms}) \text{ dB} = 20 \times \log(5.78 / 100) = -24.76 \text{ dB}$

Note 3: Sample Calculation.

Margin = Limit – Result / Peak Result = Peak Reading + TF / Average Result = Peak Reading + TF + DCCF

TF = Ant factor + Cable Loss + Filter Loss – Amp Gain + Distance Factor

Distance Factor = $20\log(\text{applied distance}/\text{required distance}) = 20\log(3.75\text{m}/3\text{m}) = 1.94$

Test Mode : 8DPSK (EDR)
● Low frequency

Low frequency											
Frequency	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 387.25	–	62.46	V	0.51	–24.73	54.0	74.0	38.2	63.0	15.8	11.0
4 803.93	–	62.93	V	–0.49	–24.73	54.0	74.0	37.7	62.4	16.3	11.6
9 607.76	–	40.10	H	13.34	–24.73	54.0	74.0	28.7	53.4	25.3	20.6

● Middle frequency

Frequency	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
4 881.91	–	57.17	V	–0.19	–24.73	54.0	74.0	32.3	57.0	21.8	17.0
9 763.31	–	37.09	H	14.25	–24.73	54.0	74.0	26.6	51.3	27.4	22.7

● High frequency

Frequency (MHz)	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dB)			
	AV / Peak					AV / Peak		AV / Peak			
2 485.21	–	63.84	V	0.48	–24.73	54.0	74.0	39.6	64.3	14.4	9.7
4 959.83	–	54.43	V	0.43	–24.73	54.0	74.0	30.1	54.9	23.9	19.1

Note 1: The radiated emissions were investigated 9 kHz to 25 GHz.

Note 2: DCCF(Duty Cycle Correction Factor)

- Time to cycle through all channels = $\Delta t = T \text{ [ms]} \times 20$ minimum hopping channels, where T = pulse width = 2.90 ms
- $100 \text{ ms} / \Delta t \text{ [ms]} = H \rightarrow$ Round up to next highest integer, to account for worst case, $H' = 100 / (2.90 \times 20) = 1.72 \approx 2$
- The Worst Case Dwell Time = $T \text{ [ms]} \times H' = 2.90 \text{ ms} \times 2 = 5.80 \text{ ms}$
- $\text{DCCF} = 20 \times \log(\text{The Worst Case Dwell Time} / 100 \text{ ms}) \text{ dB} = 20 \times \log(5.81 / 100) = -24.73 \text{ dB}$

Note 3: Sample Calculation.

Margin = Limit – Result / Peak Result = Peak Reading + TF / Average Result = Peak Reading + TF + DCCF

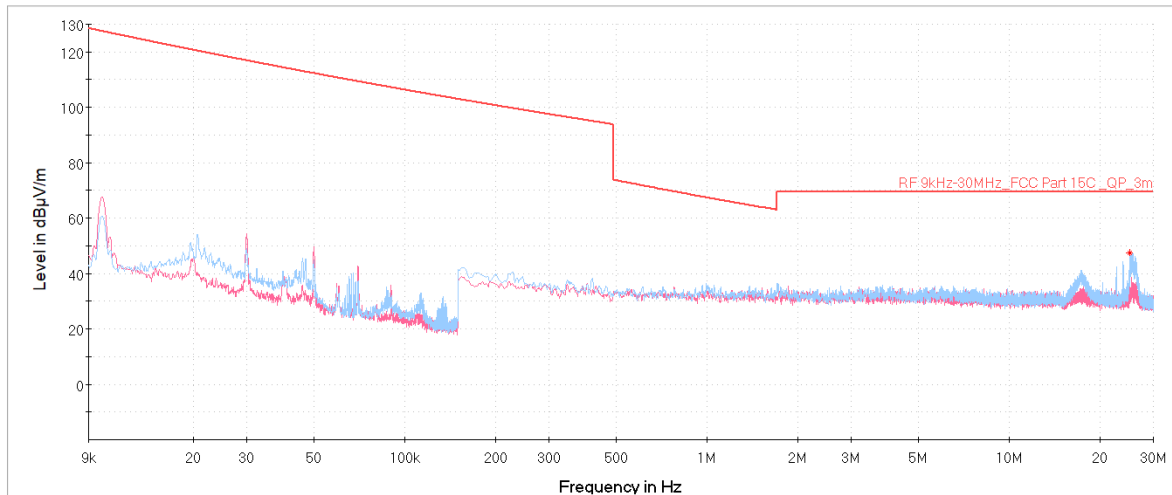
TF = Ant factor + Cable Loss + Filter Loss – Amp Gain + Distance Factor

Distance Factor = $20\log(\text{applied distance}/\text{required distance}) = 20\log(3.75\text{m}/3\text{m}) = 1.94$

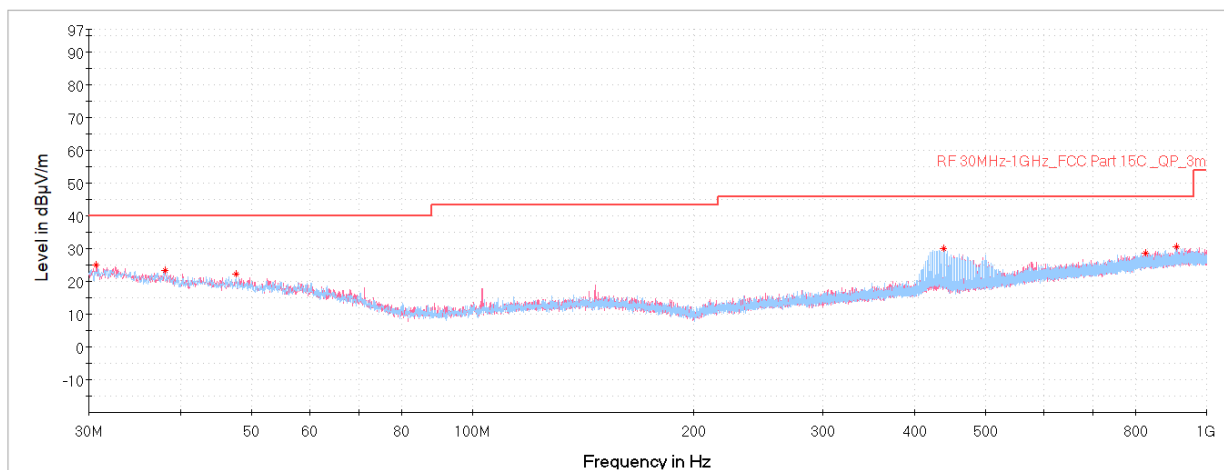


11.6.2 9 kHz ~ 25 GHz Plots for BT1

- GFSK(BR) Low Channel (Worst-Channel) – Pre-scan 9 kHz ~ 30 MHz

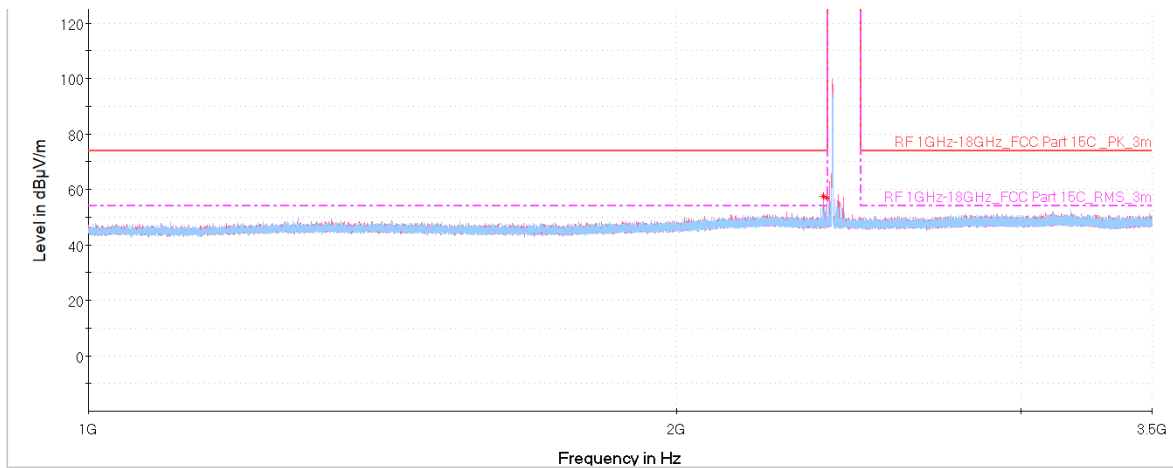


- GFSK(BR) Low Channel (Worst-Channel) – Pre-scan 30 MHz ~ 1 GHz

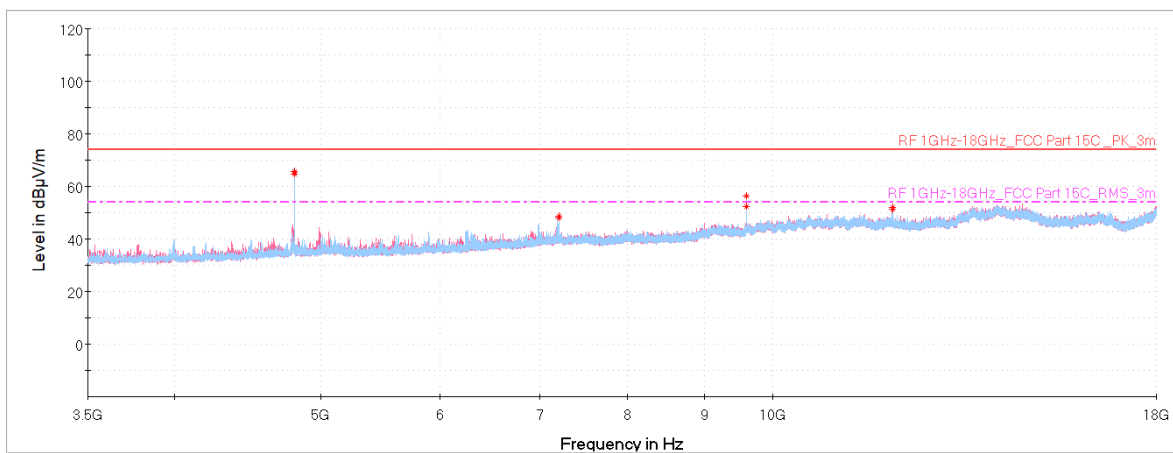


- * The correction factors have already been applied to the attached plots
- * Applied Correction Factor = Ant factor + Cable Loss + Filter Loss – Amp Gain

- GFSK(BR) Low Channel (Worst-Channel) – Pre-scan 1 GHz ~ 3.5 GHz

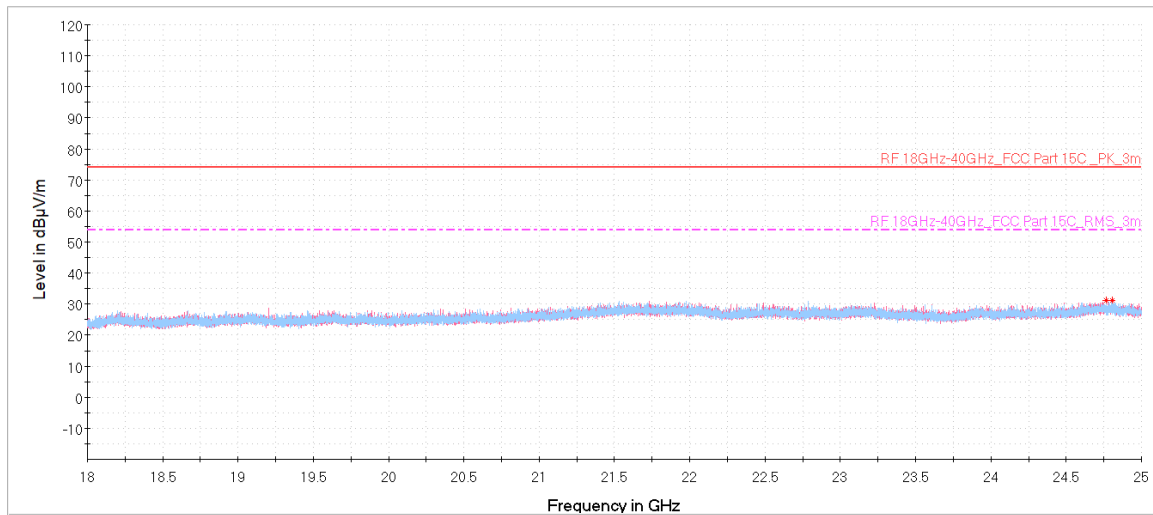


- GFSK(BR) Low Channel (Worst-Channel) – Pre-scan 3.5 GHz ~ 18 GHz



- * The correction factors have already been applied to the attached plots
- * Applied Correction Factor = Ant factor + Cable Loss + Filter Loss – Amp Gain

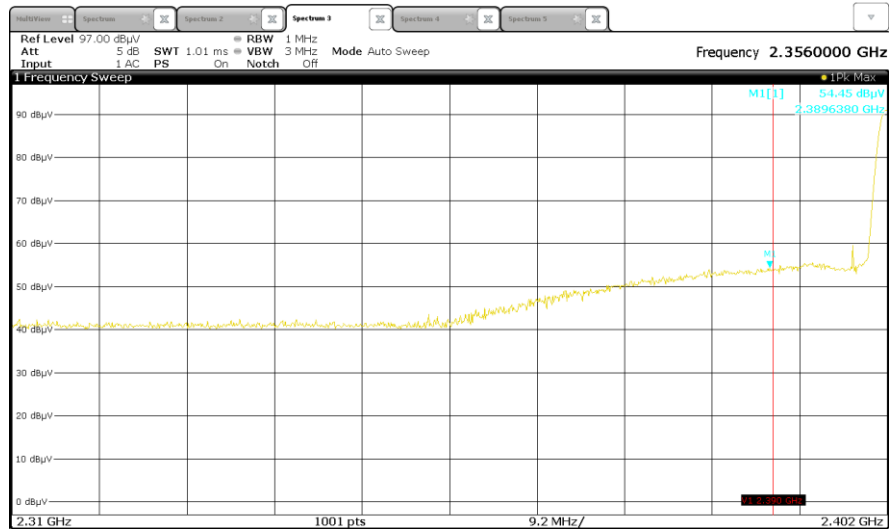
- GFSK(BR) Low Channel (Worst-Channel) – Pre-scan 18 GHz ~ 25 GHz



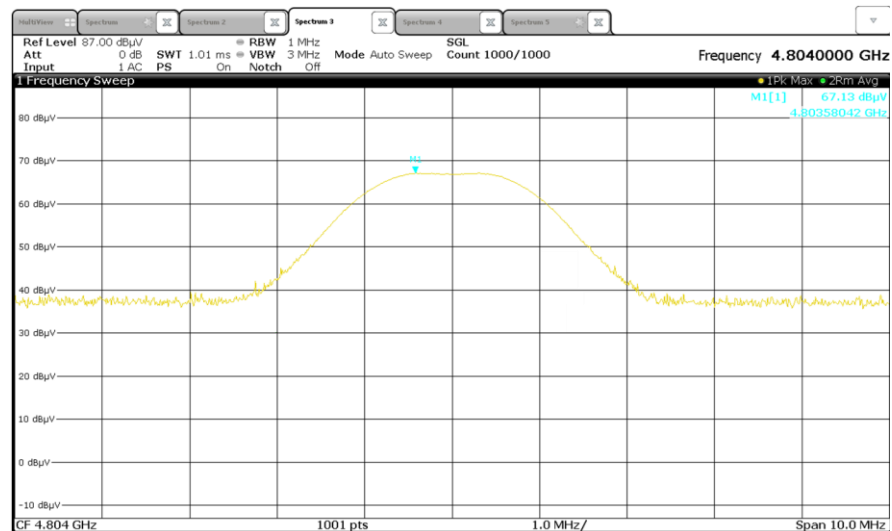
- * The correction factors have already been applied to the attached plots
- * Applied Correction Factor = Ant factor + Cable Loss + Filter Loss – Amp Gain

- GFSK(BR) _ Low frequency

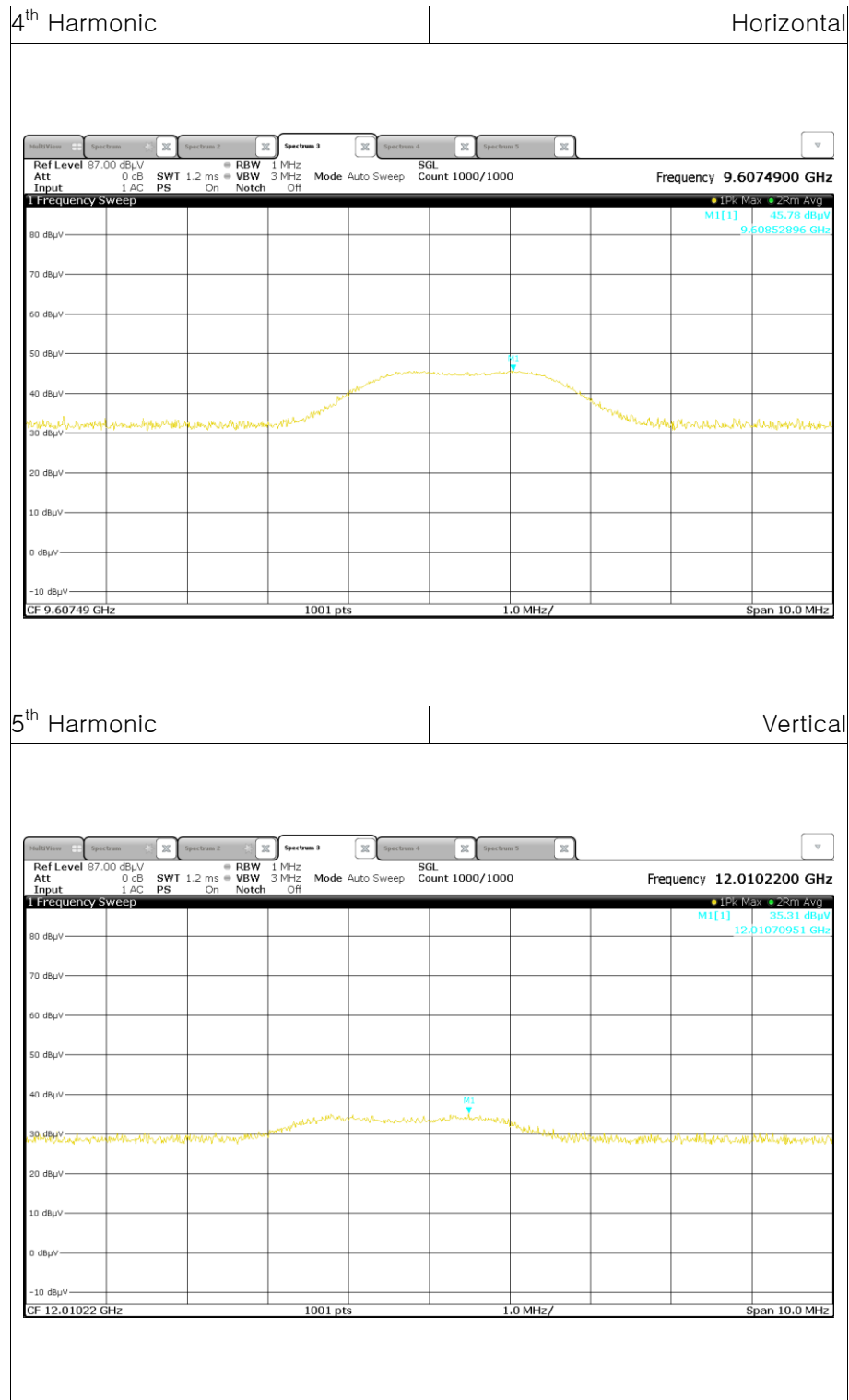
Restricted Band Vertical



2nd Harmonic Vertical



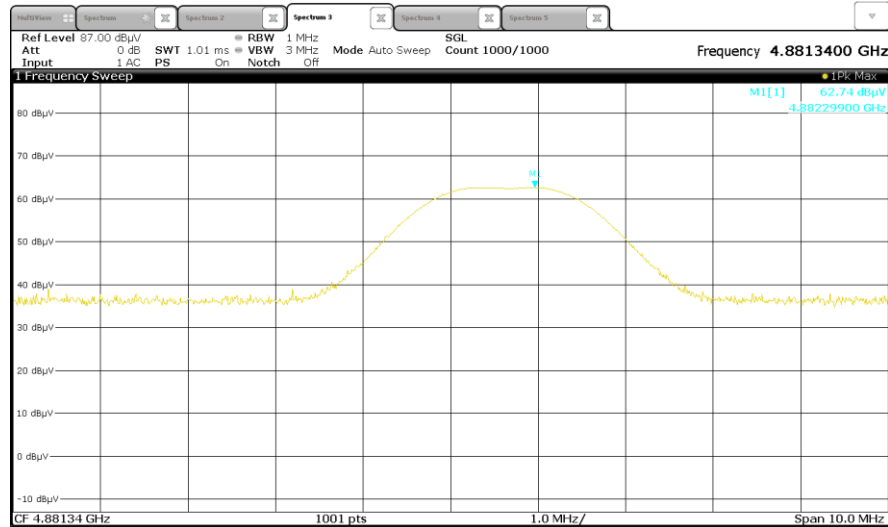
* The correction factors have not been applied to the attached plots.



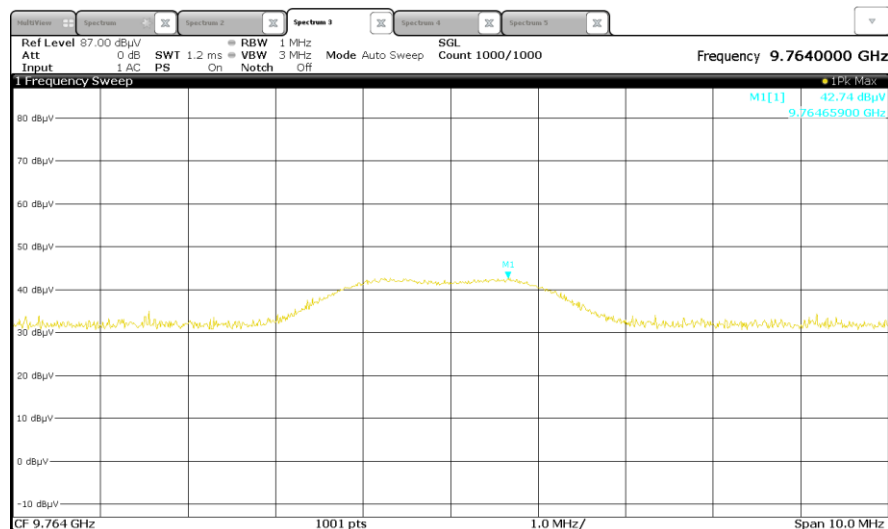
* The correction factors have not been applied to the attached plots.

● GFSK(BR) _ Middle frequency

2nd Harmonic Vertical



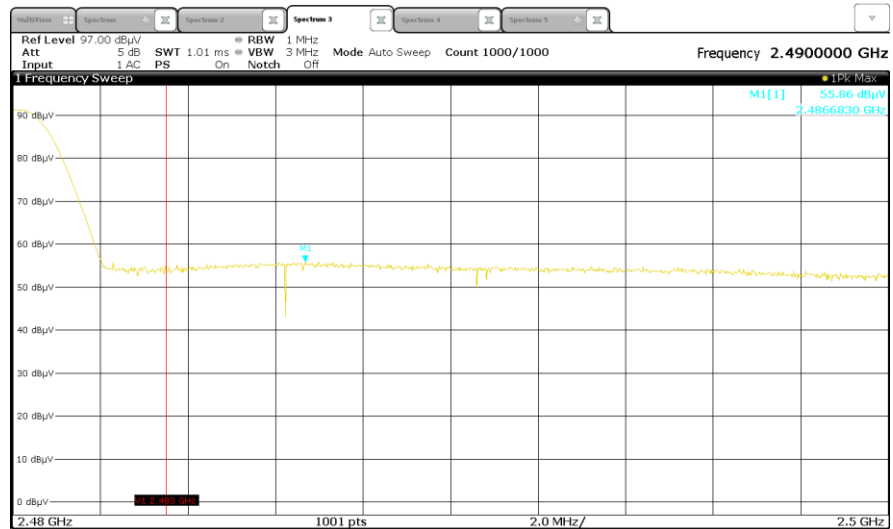
4th Harmonic Horizontal



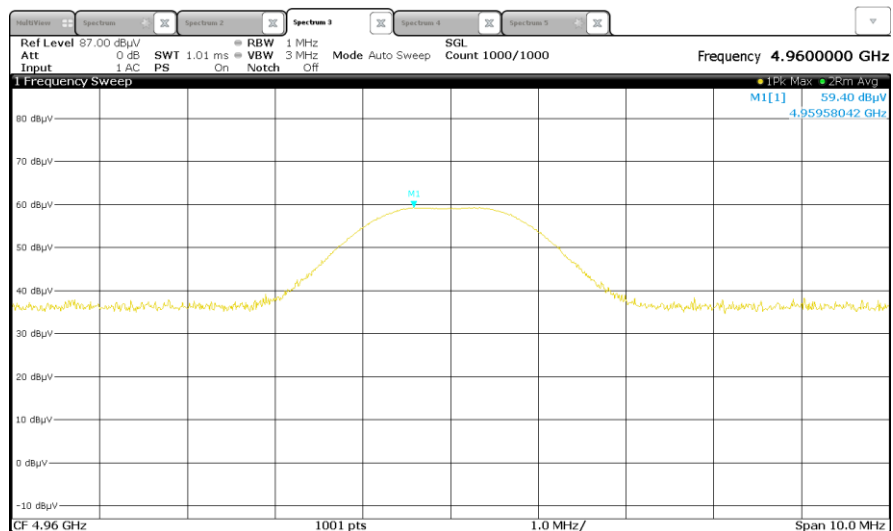
* The correction factors have not been applied to the attached plots.

● GFSK(BR) _ High frequency

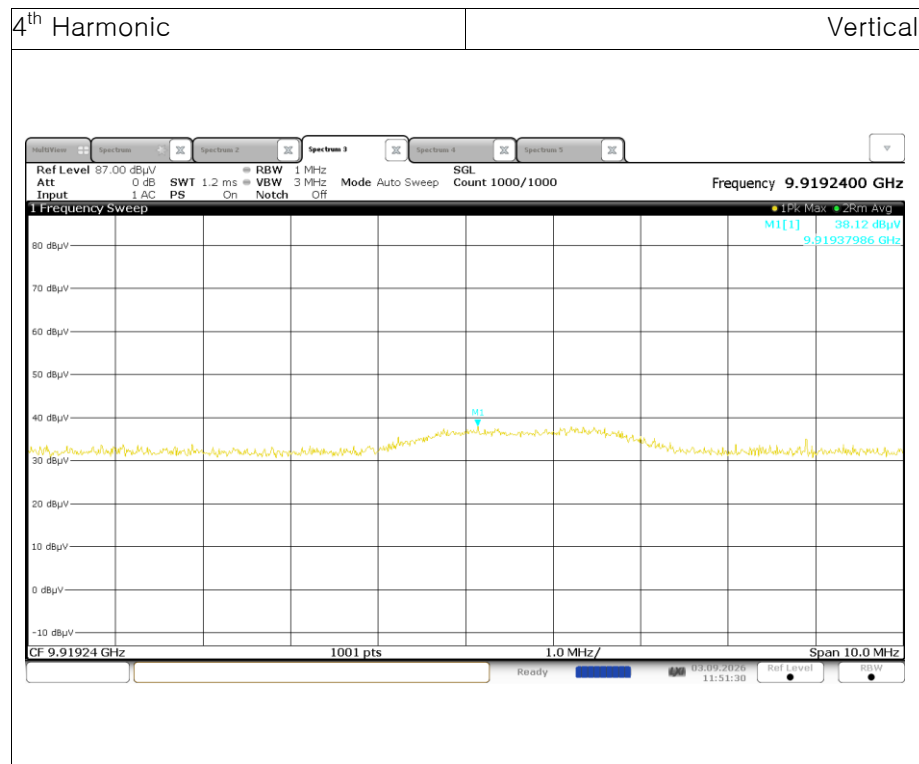
Restricted Band Vertical



2nd Harmonic Vertical

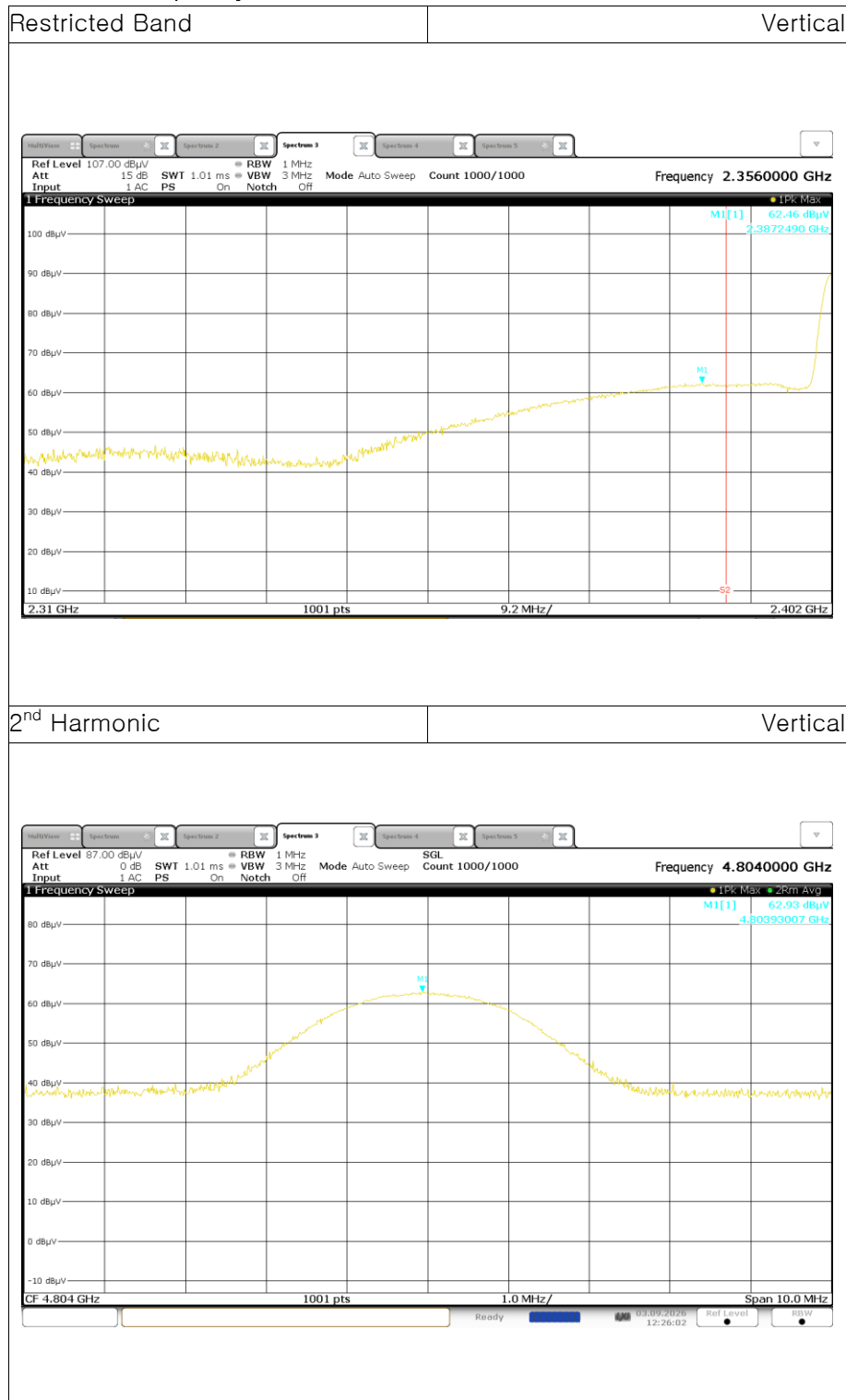


* The correction factors have not been applied to the attached plots.

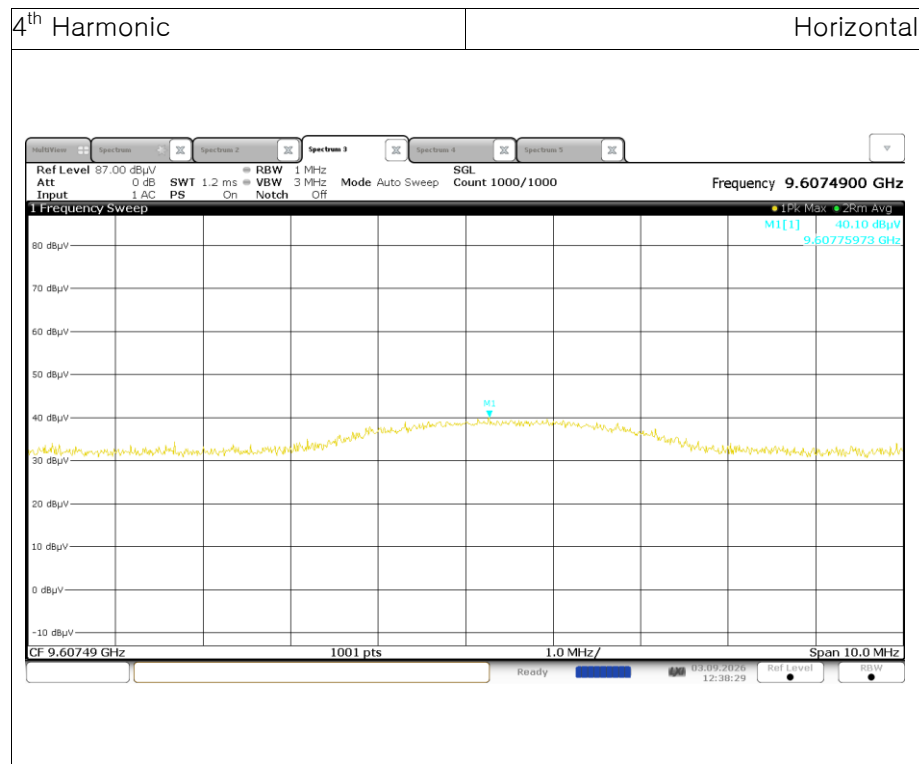


* The correction factors have not been applied to the attached plots.

- 8DPSK(EDR) _ Low frequency

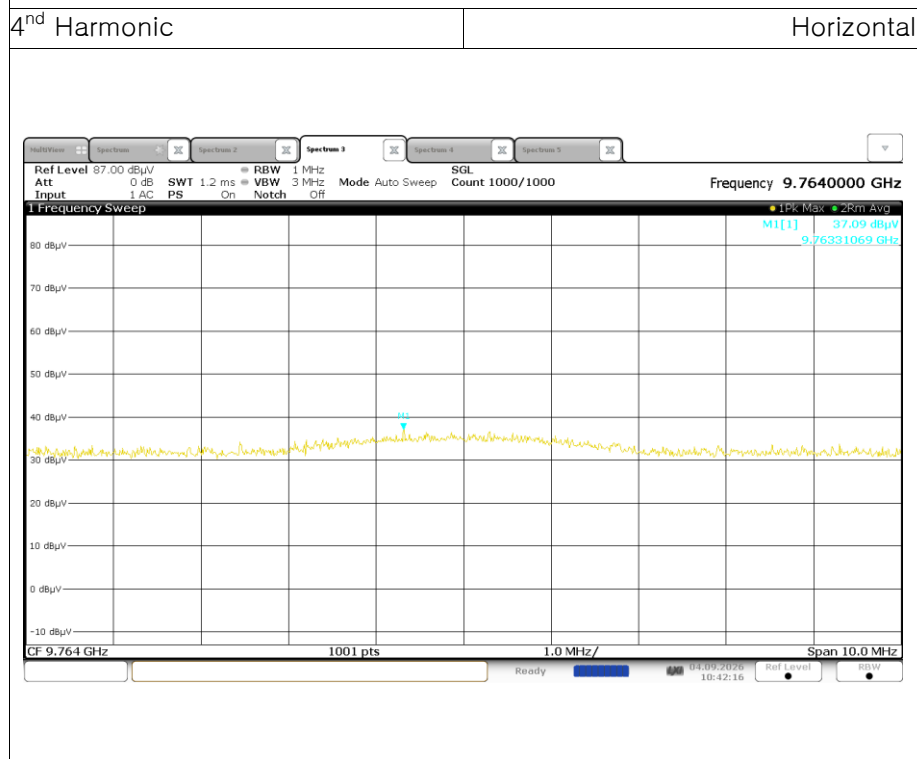
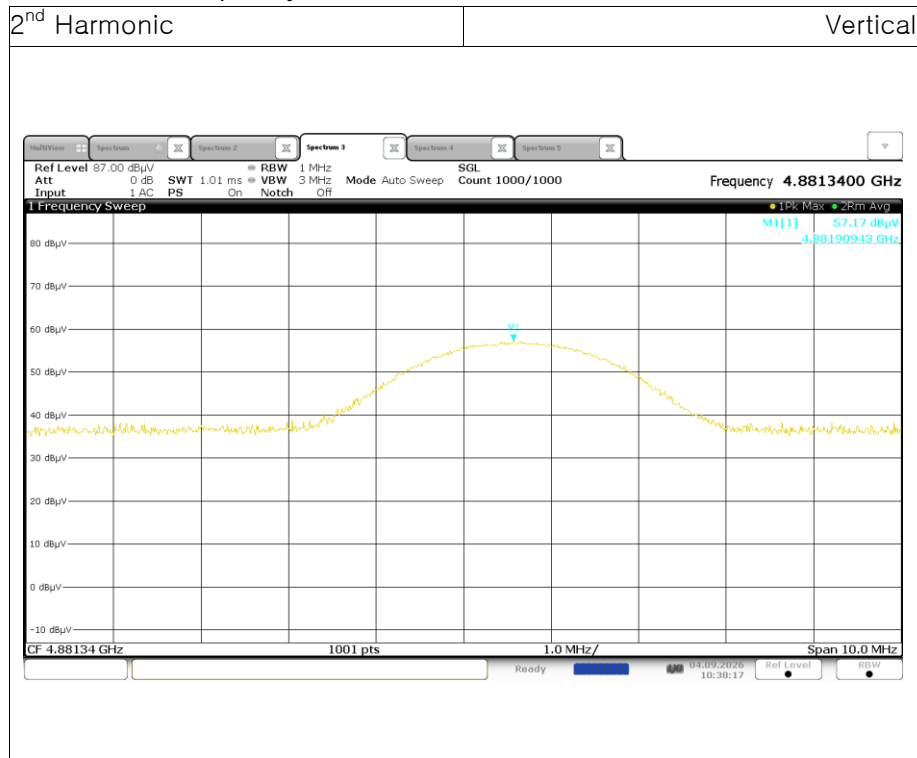


* The correction factors have not been applied to the attached plots.



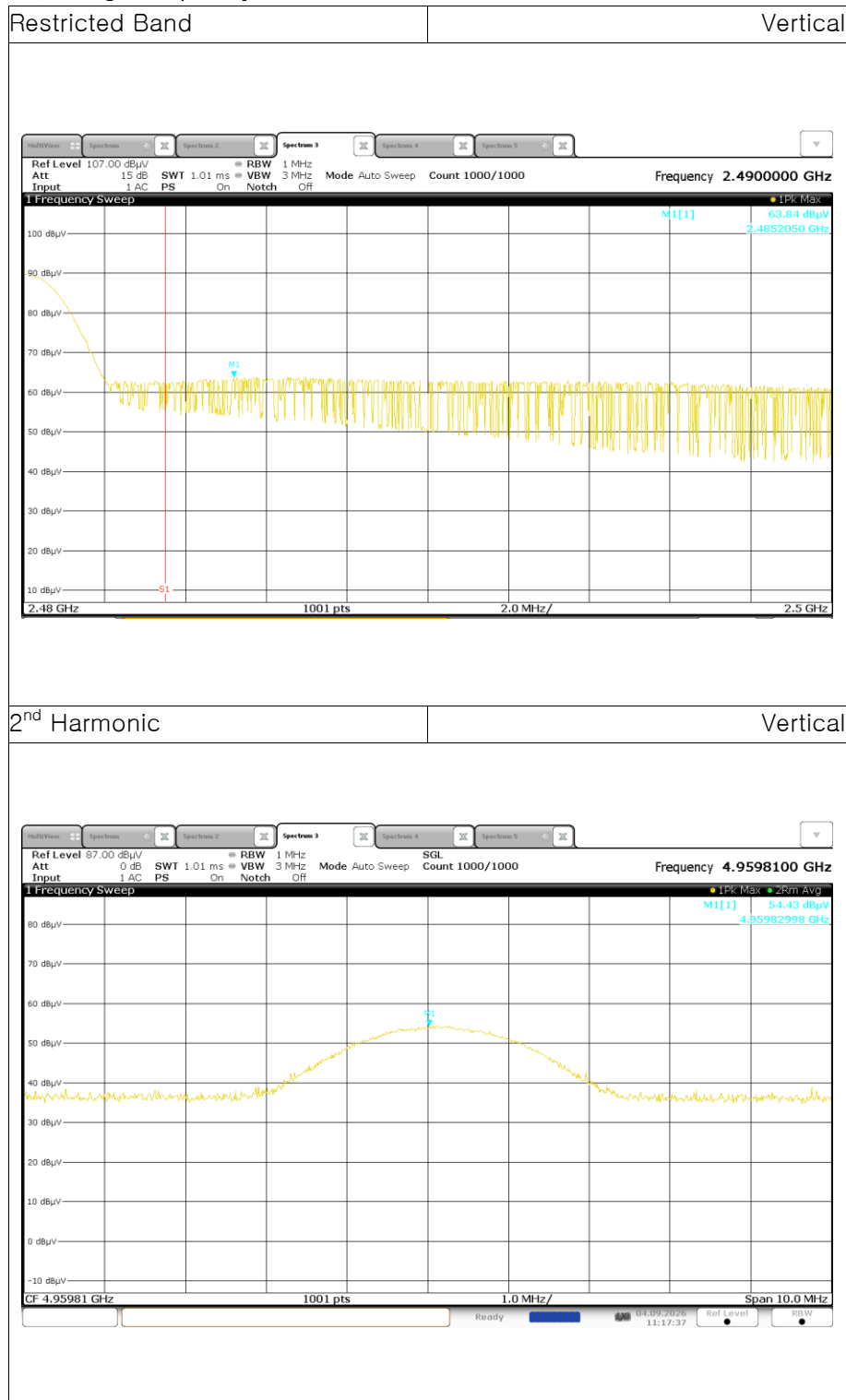
* The correction factors have not been applied to the attached plots.

- 8DPSK(EDR) _ Middle frequency



* The correction factors have not been applied to the attached plots.

- 8DPSK(EDR) _ High frequency



* The correction factors have not been applied to the attached plots.



11.6.3 9 kHz ~ 25 GHz Data for BT2

Test Mode : GFSK (BR)

● Low frequency

Frequency	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 387.71	–	47.03	V	–9.48	–24.79	54.0	74.0	12.8	37.6	41.2	36.5
4 804.35	–	45.28	H	–0.49	–24.79	54.0	74.0	20.0	44.8	34.0	29.2

● Middle frequency

Frequency (MHz)	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
4 881.70	–	46.46	H	–0.19	–24.79	54.0	74.0	21.5	46.3	32.5	27.7

● High frequency

Frequency (MHz)	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 483.81	–	50.71	H	–9.51	–24.79	54.0	74.0	16.4	41.2	37.6	32.8
4 959.75	–	44.69	H	0.43	–24.79	54.0	74.0	20.3	45.1	33.7	28.9

Note 1: The radiated emissions were investigated 9 kHz to 25 GHz. And no other spurious and harmonic emissions were found above listed frequencies.

Note 2: DCCF(Duty Cycle Correction Factor)

- Time to cycle through all channels = $\Delta t = T [\text{ms}] \times 20$ minimum hopping channels, where $T = \text{pulse width} = 2.88 \text{ ms}$
- $100 \text{ ms} / \Delta t [\text{ms}] = H \rightarrow$ Round up to next highest integer, to account for worst case, $H' = 100 / (2.88 \times 20) = 1.74 \approx 2$
- The Worst Case Dwell Time = $T [\text{ms}] \times H' = 2.88 \text{ ms} \times 2 = 5.76 \text{ ms}$
- $\text{DCCF} = 20 \times \log(\text{The Worst Case Dwell Time} / 100 \text{ ms}) \text{ dB} = 20 \times \log(5.76 / 100) = -24.79 \text{ dB}$

Note 3: Sample Calculation.

- Margin = Limit – Result / Peak Result = Peak Reading + TF / Average Result = Peak Reading + TF + DCCF
- TF = Ant factor + Cable Loss + Filter Loss – Amp Gain + Distance Factor
- Distance Factor = $20\log(\text{applied distance}/\text{required distance}) = 20\log(3.75\text{m}/3\text{m}) = 1.94$

Test Mode : 8DPSK (EDR)
● Low frequency

Low frequency											
Frequency	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 364.92	–	49.61	H	–9.56	–24.76	54.0	74.0	15.3	40.1	38.7	34.0
4 804.19	–	43.64	H	–0.49	–24.76	54.0	74.0	18.4	43.2	35.6	30.9

● Middle frequency

Frequency (MHz)	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
4 882.20	–	50.83	H	–0.20	–24.76	54.0	74.0	25.9	50.6	28.1	23.4

● High frequency

Frequency (MHz)	Reading		Pol.	T.F (dB)	DCCF (dB)	Limits		Result		Margin	
	(dBuV/m)					(dBuV/m)		(dBuV/m)		(dB)	
	AV / Peak					AV / Peak		AV / Peak		AV / Peak	
2 483.53	–	52.43	V	–9.50	–24.76	54.0	74.0	18.2	42.9	35.8	31.1

Note 1: The radiated emissions were investigated 9 kHz to 25 GHz.

Note 2: DCCF(Duty Cycle Correction Factor)

- Time to cycle through all channels = $\Delta t = T \text{ [ms]} \times 20$ minimum hopping channels, where T = pulse width = 2.89 ms
- $100 \text{ ms} / \Delta t \text{ [ms]} = H \rightarrow$ Round up to next highest integer, to account for worst case, $H' = 100 / (2.89 \times 20) = 1.73 \approx 2$
- The Worst Case Dwell Time = $T \text{ [ms]} \times H' = 2.89 \text{ ms} \times 2 = 5.78 \text{ ms}$
- $DCCF = 20 \times \log(\text{The Worst Case Dwell Time} / 100 \text{ ms}) \text{ dB} = 20 \times \log(5.78 / 100) = -24.76 \text{ dB}$

Note 3: Sample Calculation.

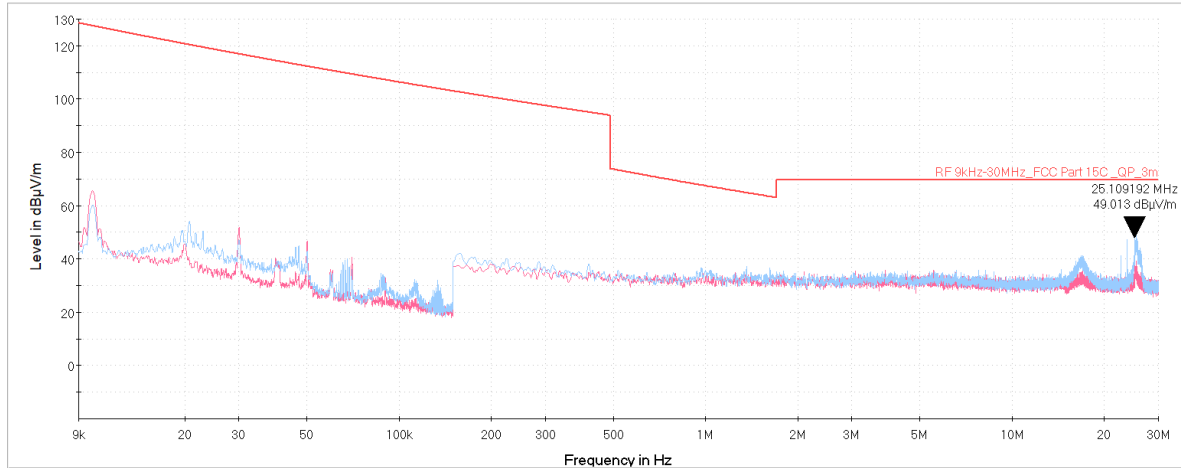
Margin = Limit – Result / Peak Result = Peak Reading + TF / Average Result = Peak Reading + TF + DCCF

TF = Ant factor + Cable Loss + Filter Loss – Amp Gain + Distance Factor

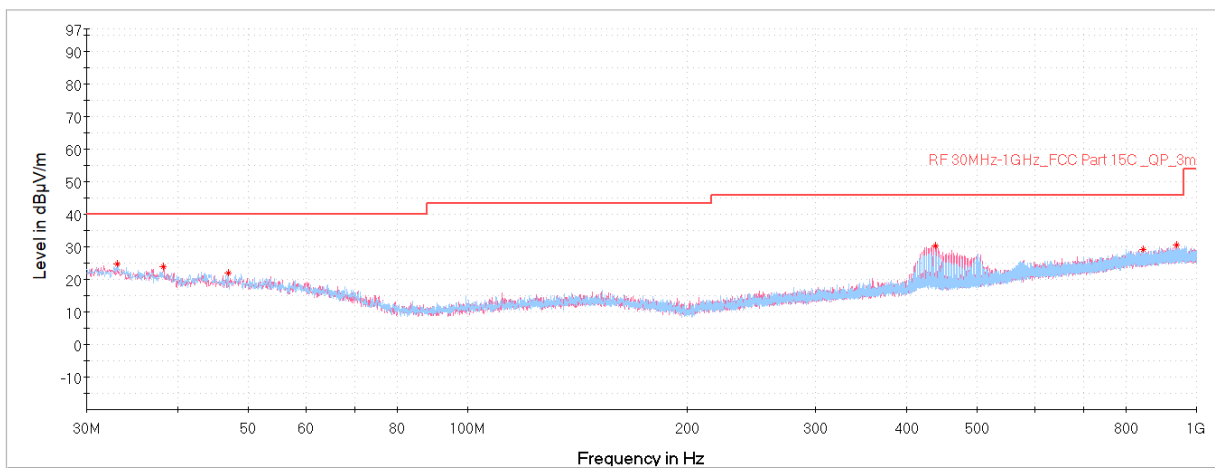
Distance Factor = $20\log(\text{applied distance}/\text{required distance}) = 20\log(3.75\text{m}/3\text{m}) = 1.94$

11.6.4 9 kHz ~ 25 GHz Plots for BT2

- 8DPSK (EDR) Mid Channel (Worst-Channel) – Pre-scan 9 kHz ~ 30 MHz

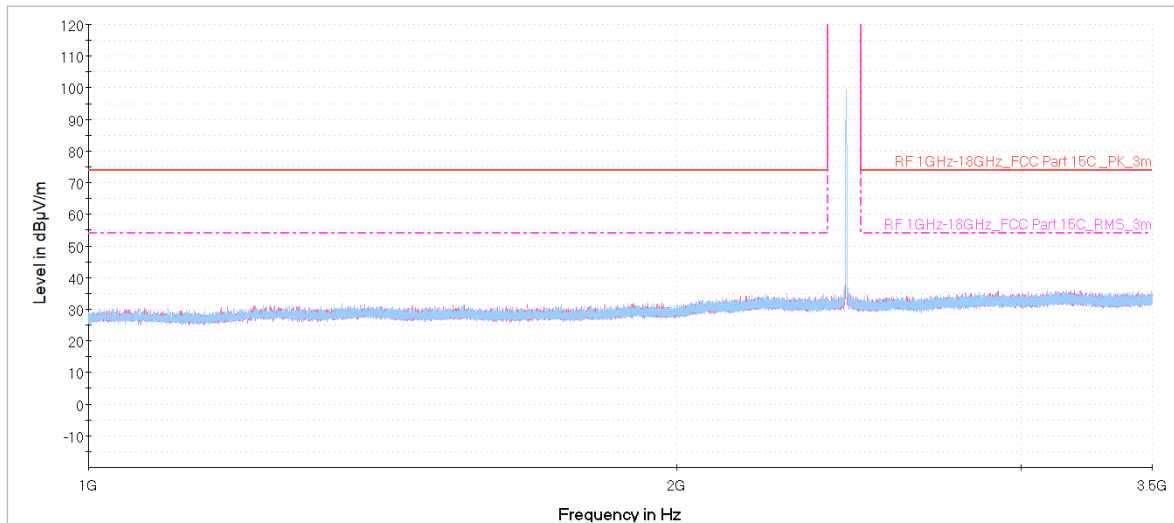


- 8DPSK (EDR) Mid Channel (Worst-Channel) – Pre-scan 30 MHz ~ 1 GHz



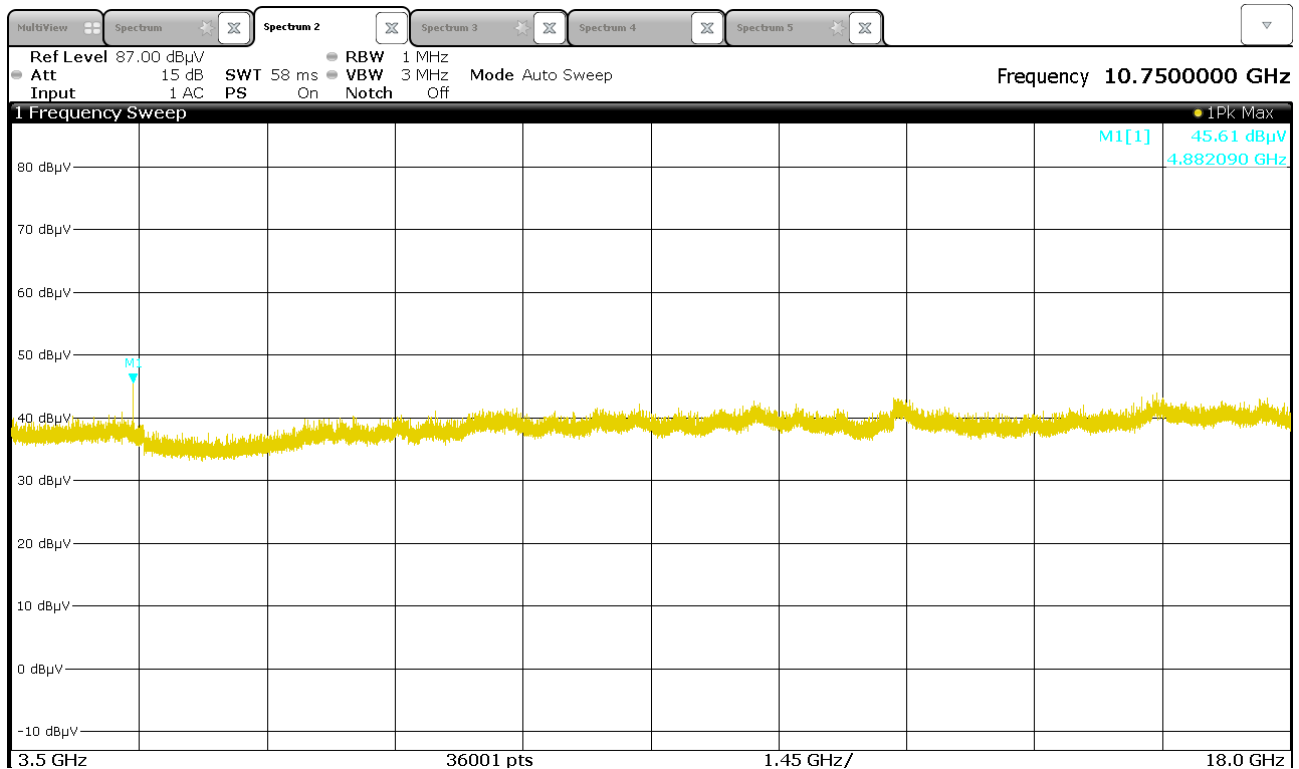
- * The correction factors have already been applied to the attached plots
- * Applied Correction Factor = Ant factor + Cable Loss + Filter Loss – Amp Gain

- 8DPSK (EDR) Mid Channel (Worst-Channel) – Pre-scan 1 GHz ~ 3.5 GHz



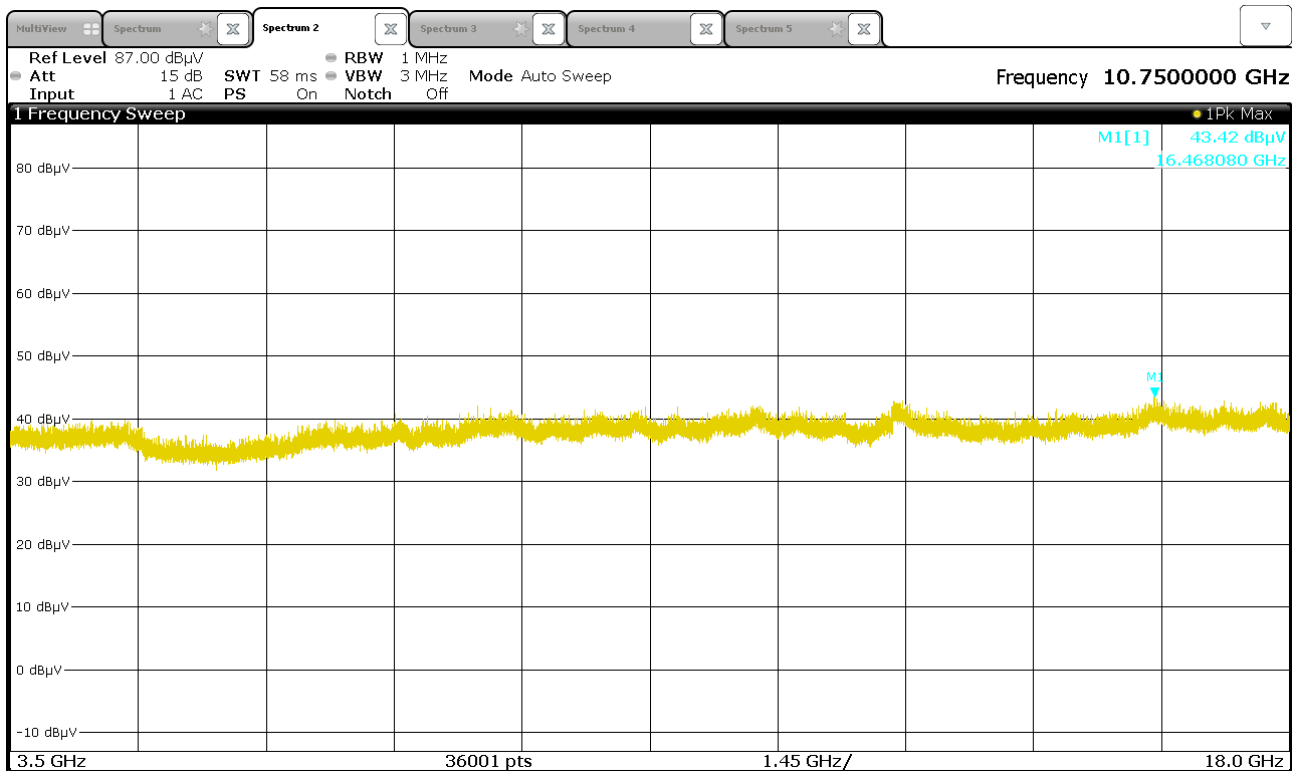
- * The correction factors have already been applied to the attached plot.
- * Applied Correction Factor = Ant factor + Cable Loss + Filter Loss – Amp Gain

- 8DPSK (EDR) Mid Channel (Worst-Channel) – Pre-scan 3.5 GHz ~ 18 GHz (Horizontal)



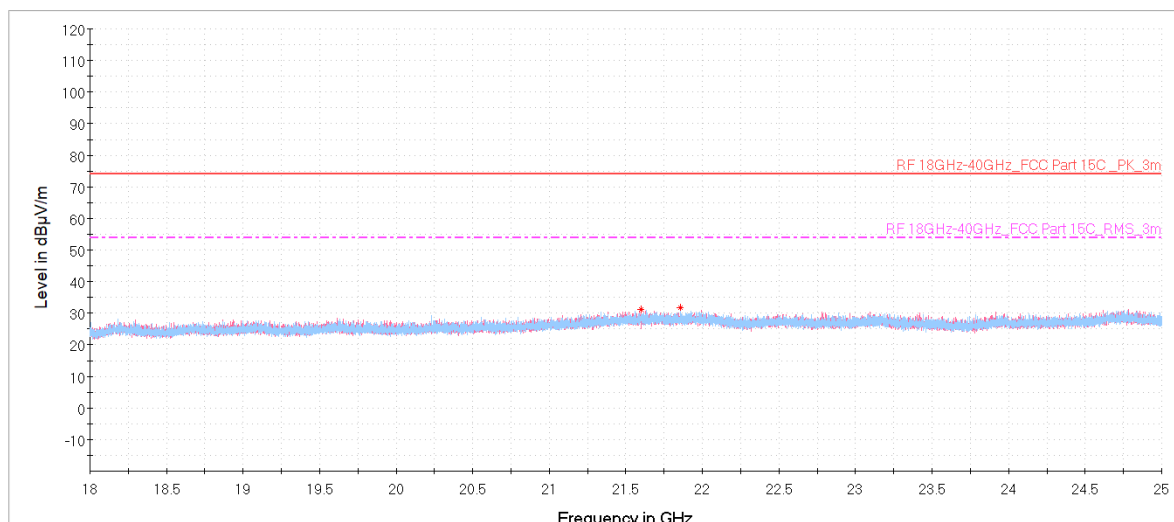
- * The correction factors have not been applied to the attached plot.

- 8DPSK (EDR) Mid Channel (Worst-Channel) – Pre-scan 3.5 GHz ~ 18 GHz (Vertical)



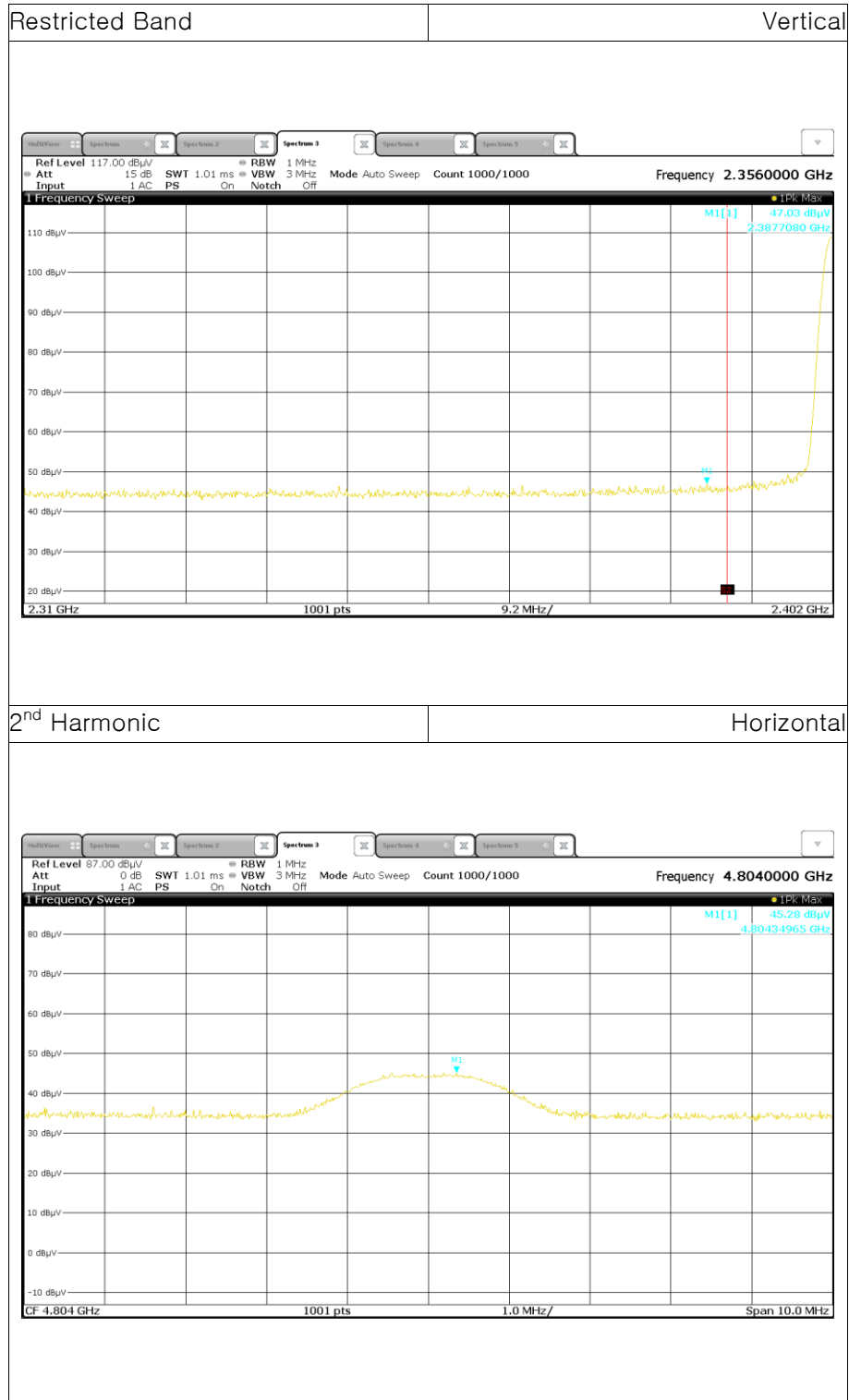
* The correction factors have not been applied to the attached plot.

- 8DPSK (EDR) Mid Channel (Worst-Channel) – Pre-scan 18 GHz ~ 25 GHz



* The correction factors have already been applied to the attached plot
 * Applied Correction Factor = Ant factor + Cable Loss + Filter Loss – Amp Gain

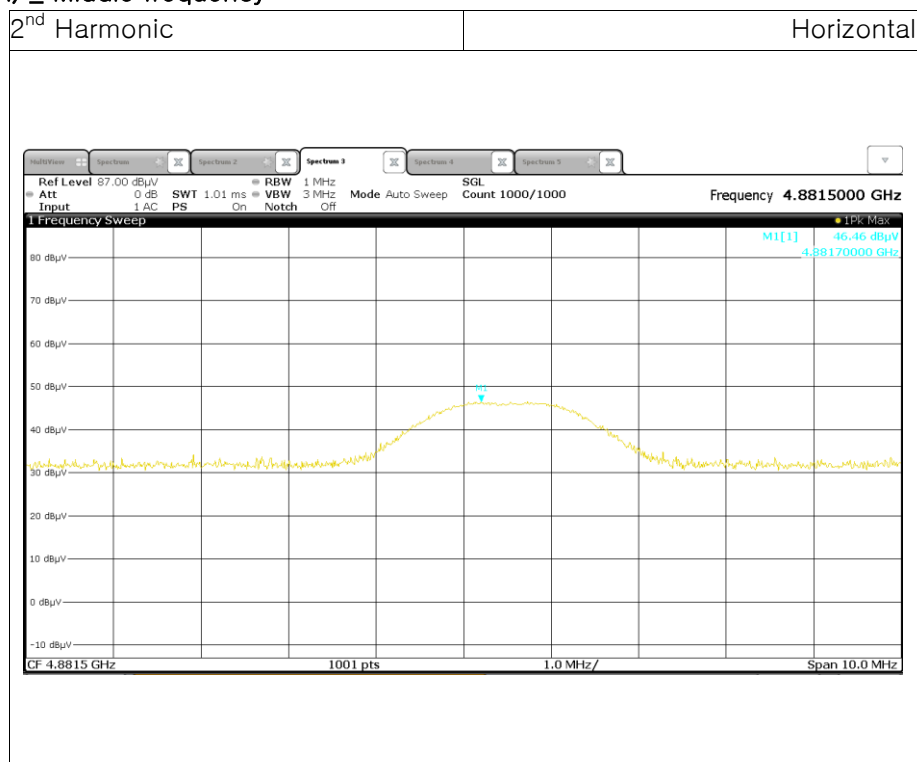
- GFSK(BR) _ Low frequency



* The correction factors have not been applied to the attached plots.



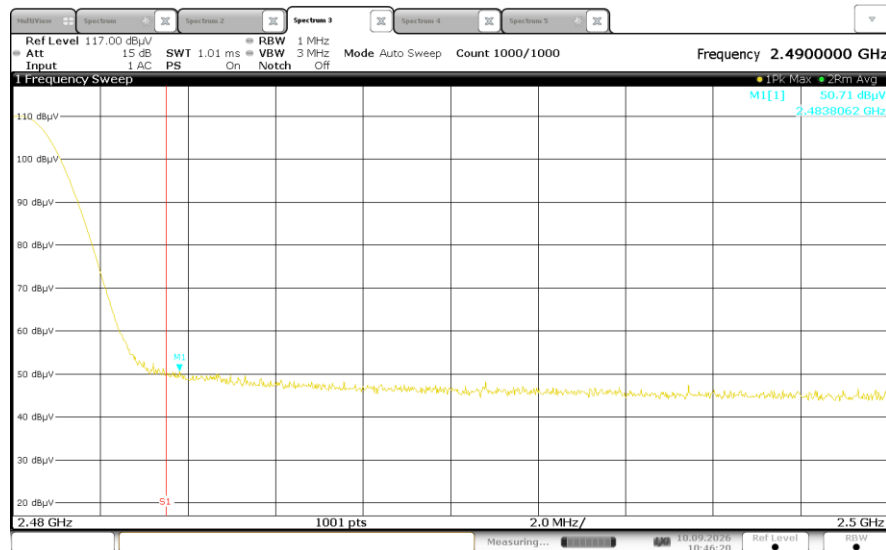
- GFSK(BR) _ Middle frequency



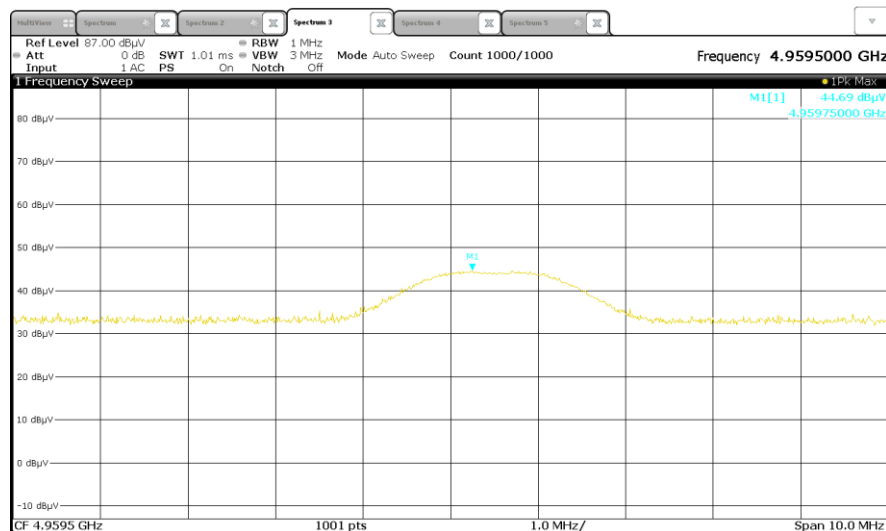
* The correction factors have not been applied to the attached plots.

- GFSK(BR) _ High frequency

Restricted Band Horizontal

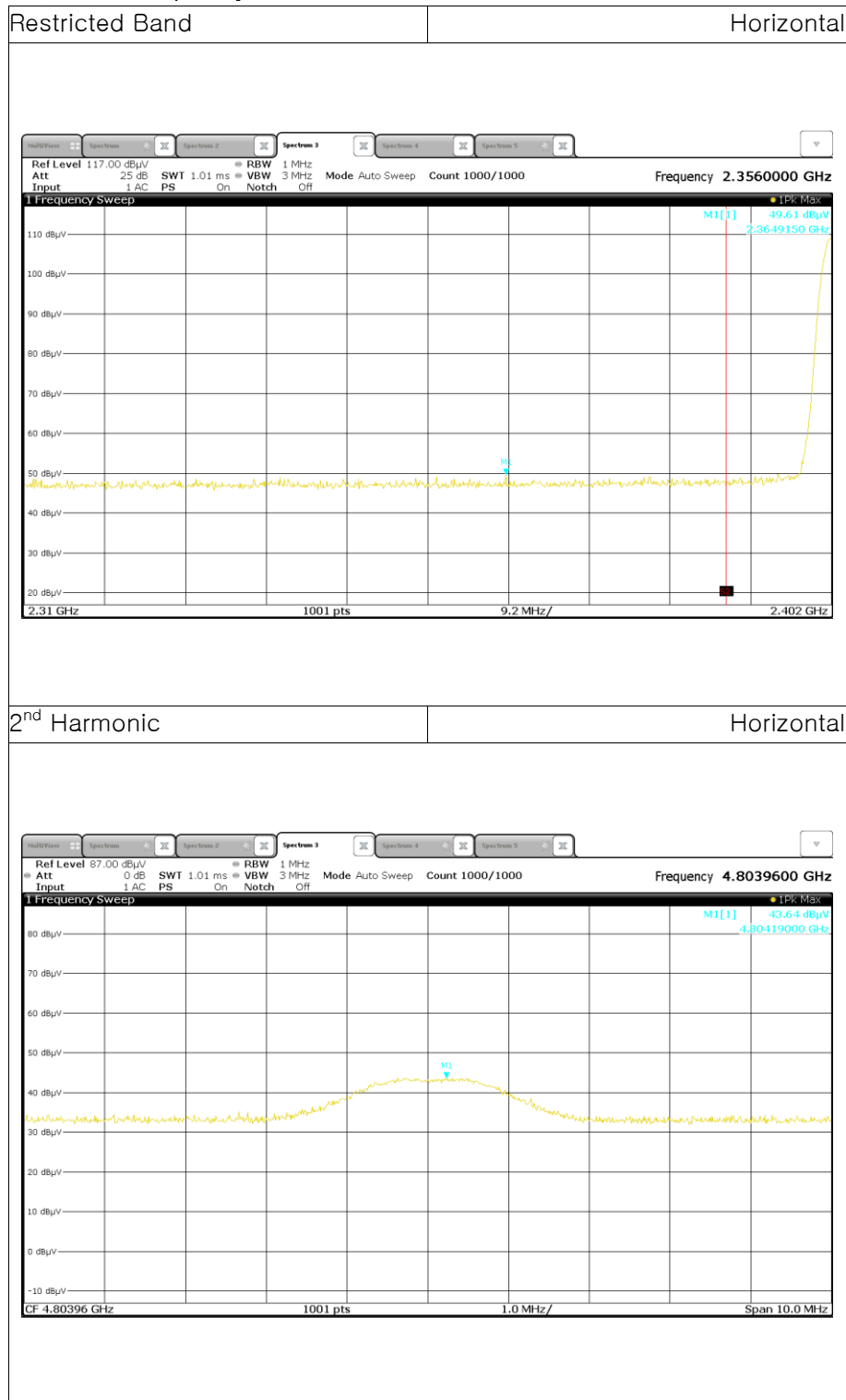


2nd Harmonic Horizontal



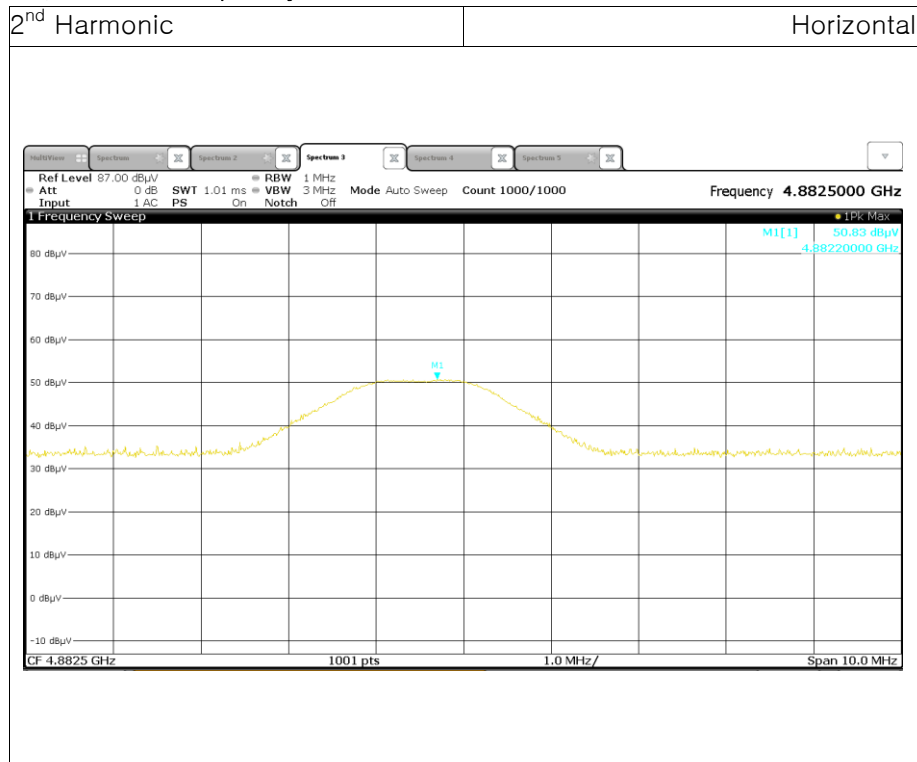
* The correction factors have not been applied to the attached plots.

● 8DPSK(EDR) _ Low frequency

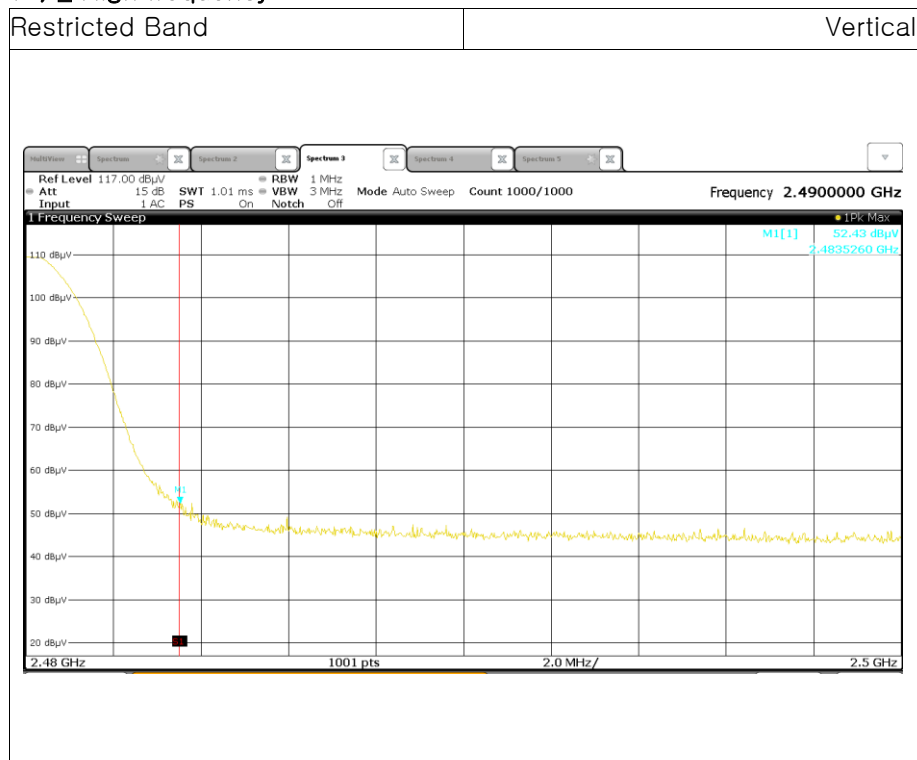


* The correction factors have not been applied to the attached plots.

- 8DPSK(EDR) _ Middle frequency



- 8DPSK(BT2) _ High frequency



* The correction factors have not been applied to the attached plots.



12. Conducted Emission

12.1 Test Setup

See test photographs for the actual connections between EUT and support equipment.

12.2 Limit

According to §15.207(a) for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohm line impedance stabilization network (LISN).

Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

12.3 Test Procedure

Conducted emissions from the EUT were measured according to the ANSI C63.10.

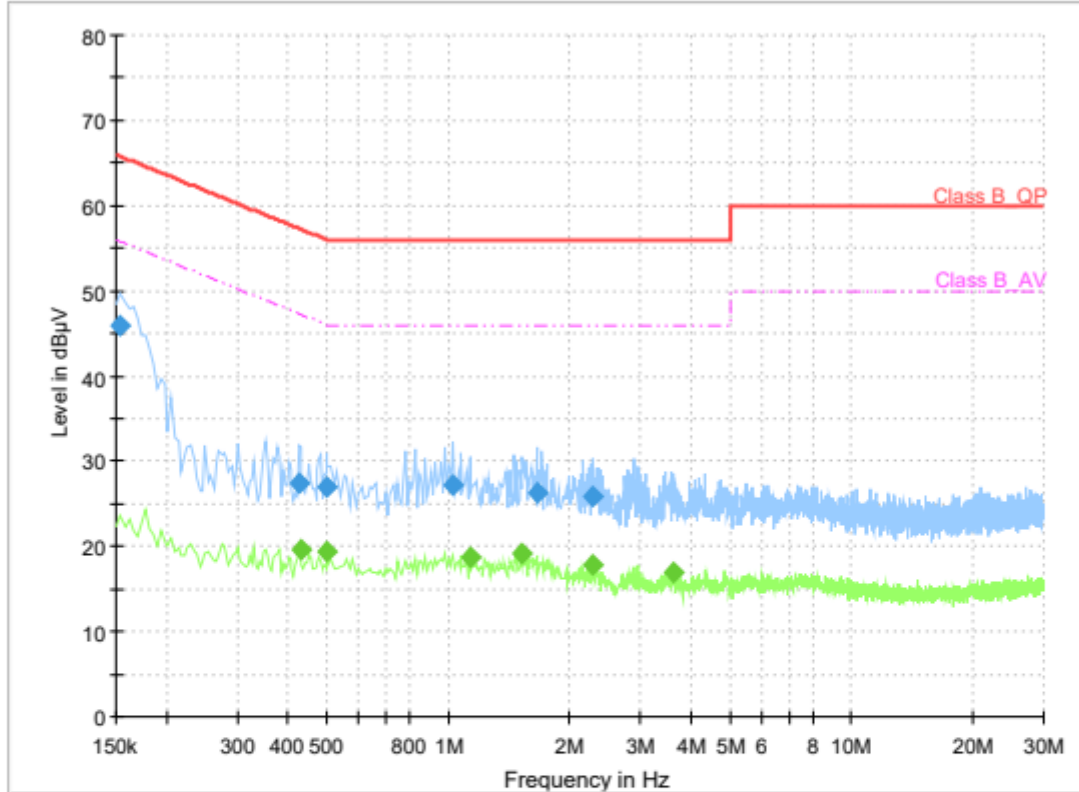
1. The test procedure is performed in a 6.5 m $\times$ 3.5 m $\times$ 3.5 m (L $\times$ W $\times$ H) shielded room. The EUT along with its peripherals were placed on a 1.0 m (W) $\times$ 1.5 m (L) and 0.8 m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.
2. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room.
3. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.
4. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.



12.4 Test Result

- AC Line Conducted Emission BT1(Graph)

Conducted Emission

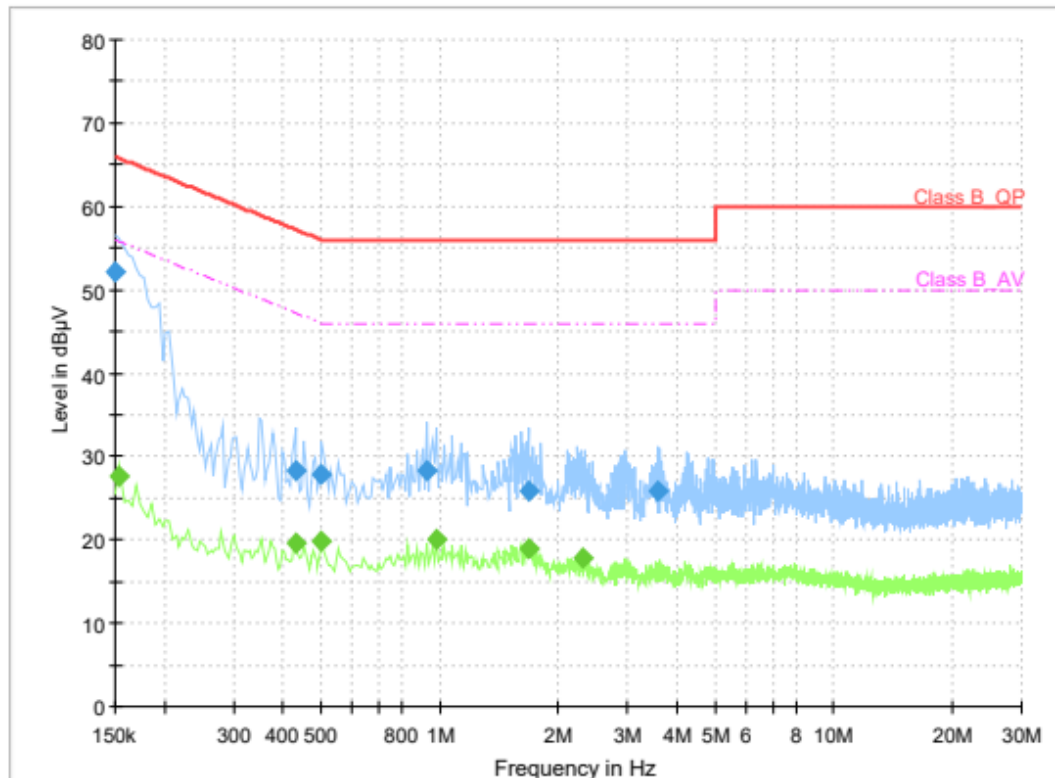


Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.154	46.00	---	65.78	19.78	9	L1	19.8
0.426	27.33	---	57.33	30.00	9	L1	19.8
0.430	---	19.55	47.25	27.70	9	L1	19.8
0.500	---	19.47	46.00	26.53	9	L1	19.9
0.500	26.90	---	56.00	29.10	9	L1	19.9
1.030	27.24	---	56.00	28.76	9	L1	19.7
1.130	---	18.71	46.00	27.29	9	L1	19.7
1.530	---	19.17	46.00	26.83	9	L1	19.7
1.660	26.38	---	56.00	29.62	9	L1	19.7
2.290	---	17.83	46.00	28.17	9	L1	19.7
2.290	25.76	---	56.00	30.24	9	L1	19.7
3.620	---	17.04	46.00	28.96	9	L1	19.7



Conducted Emission



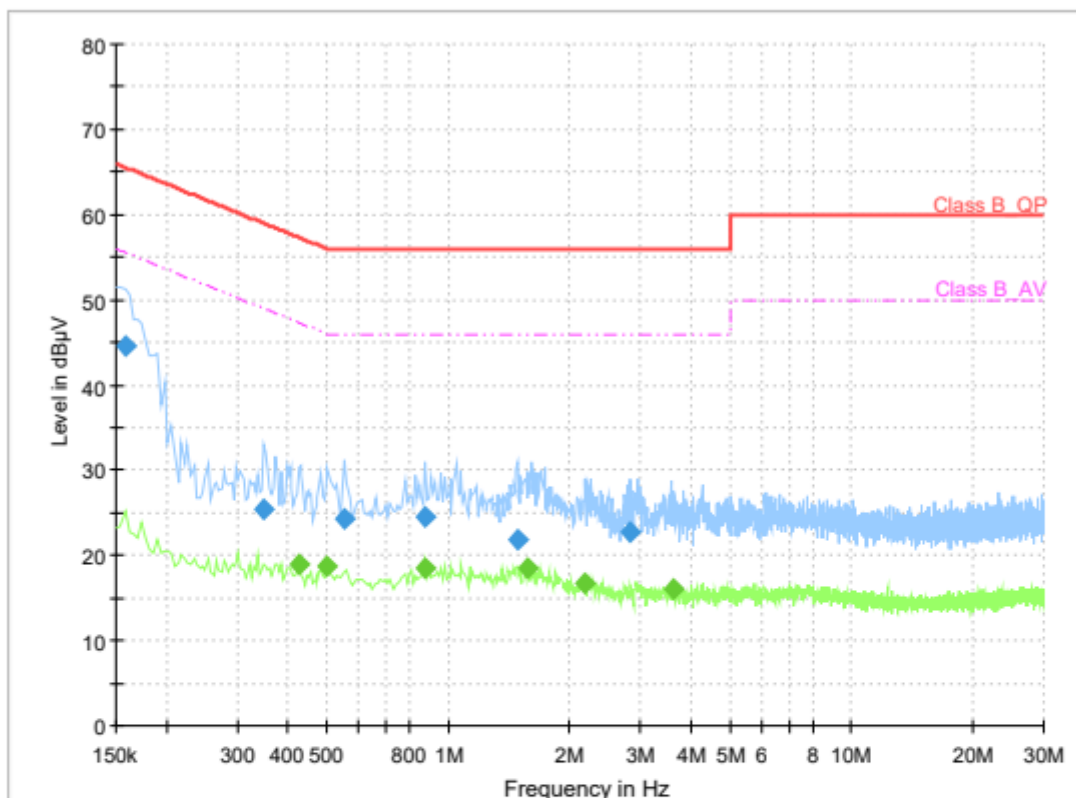
Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.150	52.16	---	66.00	13.84	9	N	19.7
0.154	---	27.52	55.78	28.26	9	N	19.8
0.430	---	19.63	47.25	27.62	9	N	19.8
0.430	28.40	---	57.25	28.86	9	N	19.8
0.500	---	19.76	46.00	26.24	9	N	19.8
0.500	27.79	---	56.00	28.21	9	N	19.8
0.930	28.21	---	56.00	27.79	9	N	19.7
0.980	---	20.15	46.00	25.85	9	N	19.7
1.680	25.88	---	56.00	30.12	9	N	19.7
1.680	---	19.03	46.00	26.97	9	N	19.7
2.310	---	17.93	46.00	28.07	9	N	19.6
3.570	25.85	---	56.00	30.15	9	N	19.6



- AC Line Conducted Emission BT2(Graph)

Conducted Emission

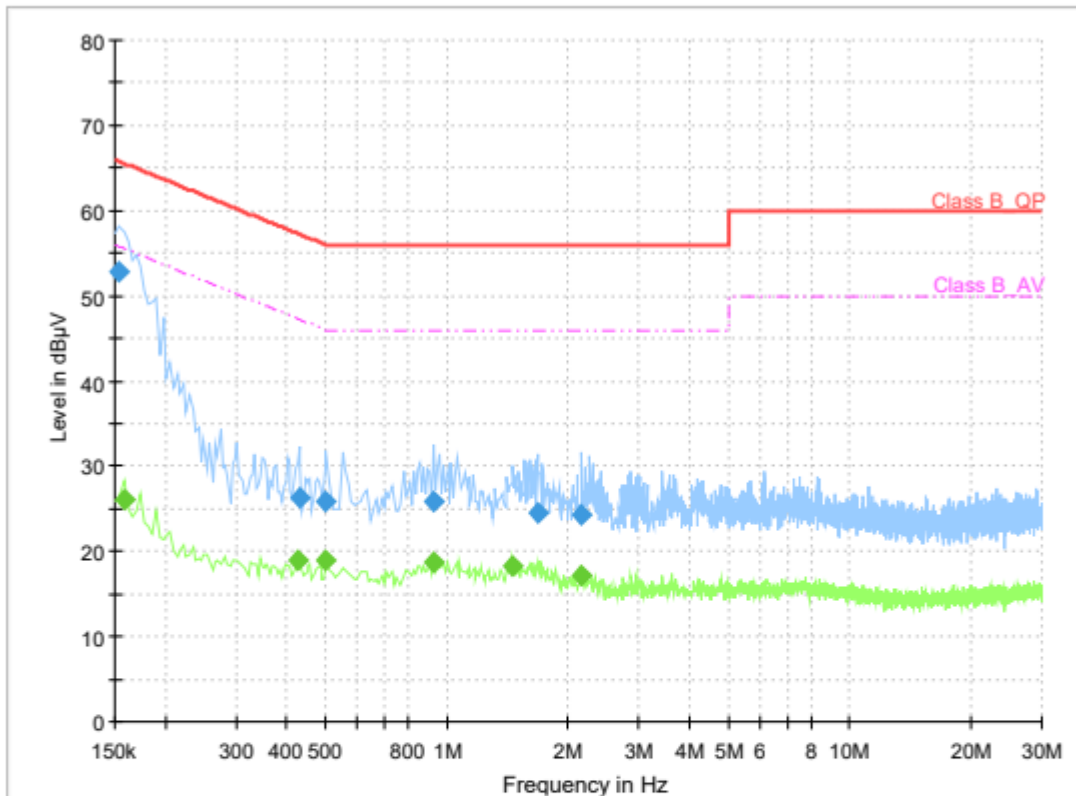


Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.158	44.50	---	65.57	21.07	9	L1	19.9
0.350	25.45	---	58.96	33.51	9	L1	19.8
0.426	---	18.90	47.33	28.43	9	L1	19.8
0.500	---	18.76	46.00	27.24	9	L1	19.8
0.550	24.28	---	56.00	31.72	9	L1	19.8
0.880	24.54	---	56.00	31.46	9	L1	19.8
0.880	---	18.46	46.00	27.54	9	L1	19.8
1.490	21.86	---	56.00	34.14	9	L1	19.7
1.580	---	18.50	46.00	27.50	9	L1	19.7
2.190	---	16.82	46.00	29.18	9	L1	19.7
2.840	22.65	---	56.00	33.35	9	L1	19.7
3.620	---	16.10	46.00	29.90	9	L1	19.7



Conducted Emission



Final Result

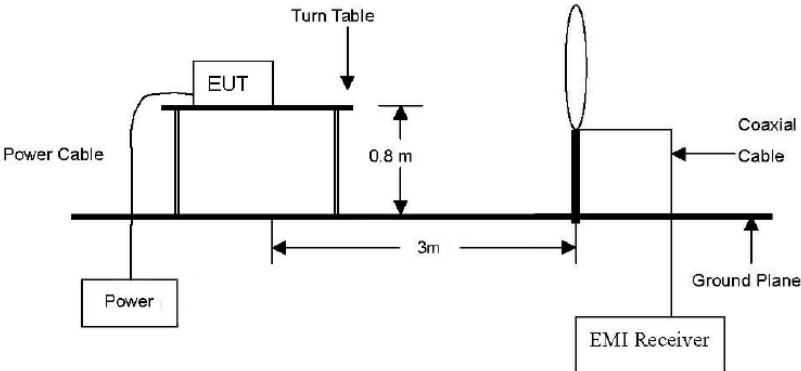
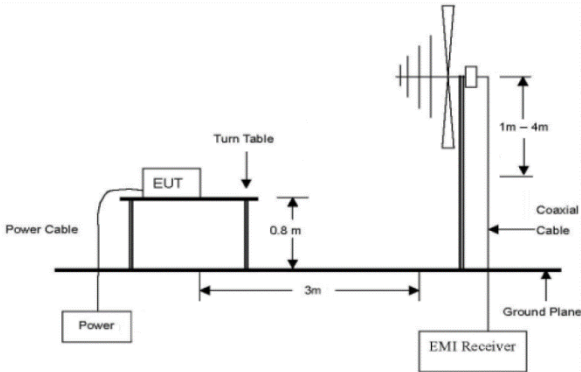
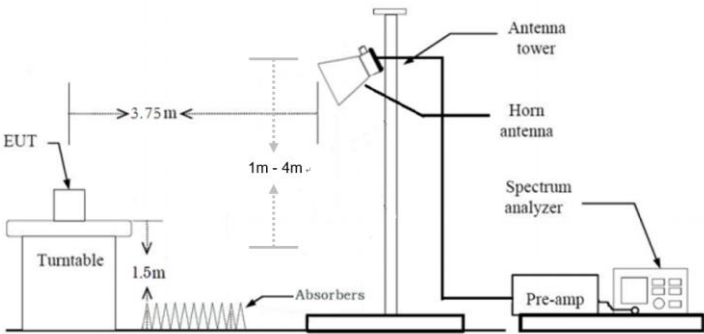
Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.154	52.80	---	65.78	12.98	9	N	19.8
0.158	---	25.99	55.57	29.58	9	N	19.8
0.426	---	18.95	47.33	28.38	9	N	19.8
0.430	26.26	---	57.25	30.99	9	N	19.8
0.500	25.96	---	56.00	30.04	9	N	19.8
0.500	---	18.97	46.00	27.03	9	N	19.8
0.930	25.84	---	56.00	30.16	9	N	19.7
0.930	---	18.73	46.00	27.27	9	N	19.7
1.460	---	18.30	46.00	27.70	9	N	19.7
1.680	24.48	---	56.00	31.52	9	N	19.7
2.160	---	17.16	46.00	28.84	9	N	19.6
2.160	24.28	---	56.00	31.72	9	N	19.6

APPENDIX I

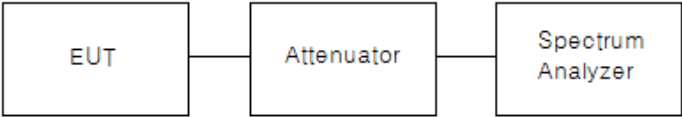
TEST SETUP



● Radiated Measurement

below 30 MHz	
below 1 GHz	
above 1 GHz	Above 1 GHz 

● Conducted Measurement

Conducted	
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APPENDIX II

UNCERTAINTY



Measurement Item	Expanded Uncertainty $U = kU_c (k=2)$
Conducted RF power	0.34 dB
Conducted Spurious Emissions	0.34 dB
Radiated Spurious Emissions	5.82 dB
Conducted Emissions	2.00 dB