

3DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



A.9 Radiated Spurious Emission Test Result

Test Site	SIP-AC2	Test Engineer	Fusco Pan
Test Date	2025-06-14	Test Mode	DH5
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
00	8109.40	43.38	3.89	47.27	74.00	-26.73	Peak	Horizontal
	9389.50	43.45	5.76	49.21	74.00	-24.79	Peak	Horizontal
	11458.40	41.73	7.95	49.68	74.00	-24.32	Peak	Horizontal
	7468.50	44.41	2.06	46.47	74.00	-27.53	Peak	Vertical
	8114.50	43.66	3.96	47.62	74.00	-26.38	Peak	Vertical
	11064.00	43.62	7.50	51.12	74.00	-22.88	Peak	Vertical
39	7689.50	43.81	1.96	45.77	74.00	-28.23	Peak	Horizontal
	9352.10	43.01	5.41	48.42	74.00	-25.58	Peak	Horizontal
	10865.10	42.58	7.06	49.64	74.00	-24.36	Peak	Horizontal
	8403.50	43.44	4.18	47.62	74.00	-26.38	Peak	Vertical
	9365.70	42.72	5.56	48.28	74.00	-25.72	Peak	Vertical
	10739.30	42.56	7.48	50.04	74.00	-23.96	Peak	Vertical
78	8043.10	43.04	3.95	46.99	74.00	-27.01	Peak	Horizontal
	9457.50	42.72	5.37	48.09	74.00	-25.91	Peak	Horizontal
	11602.90	42.28	7.67	49.95	74.00	-24.05	Peak	Horizontal
	8398.40	43.85	4.18	48.03	74.00	-25.97	Peak	Vertical
	9306.20	42.07	5.64	47.71	74.00	-26.29	Peak	Vertical
	10805.60	42.68	7.07	49.75	74.00	-24.25	Peak	Vertical

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC2	Test Engineer	Fusco Pan
Test Date	2025-06-14	Test Mode	2DH5
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	7550.10	44.65	2.03	46.68	74.00	-27.32	Peak	Horizontal
	8216.50	42.94	4.14	47.08	74.00	-26.92	Peak	Horizontal
	10951.80	42.00	7.70	49.70	74.00	-24.30	Peak	Horizontal
	7443.00	43.98	1.81	45.79	74.00	-28.21	Peak	Vertical
	8303.20	43.07	3.88	46.95	74.00	-27.05	Peak	Vertical
	11489.00	41.90	8.25	50.15	74.00	-23.85	Peak	Vertical
39	8406.90	43.22	4.18	47.40	74.00	-26.60	Peak	Horizontal
	9449.00	43.22	5.32	48.54	74.00	-25.46	Peak	Horizontal
	11506.00	41.67	8.00	49.67	74.00	-24.33	Peak	Horizontal
	8398.40	43.58	4.18	47.76	74.00	-26.24	Peak	Vertical
	9435.40	42.79	5.52	48.31	74.00	-25.69	Peak	Vertical
	11446.50	41.57	8.13	49.70	74.00	-24.30	Peak	Vertical
78	7264.50	44.52	1.84	46.36	74.00	-27.64	Peak	Horizontal
	8231.80	43.38	4.01	47.39	74.00	-26.61	Peak	Horizontal
	10858.30	43.16	7.00	50.16	74.00	-23.84	Peak	Horizontal
	8208.00	43.09	4.04	47.13	74.00	-26.87	Peak	Vertical
	9097.10	43.60	4.85	48.45	74.00	-25.55	Peak	Vertical
	11517.90	42.56	8.08	50.64	74.00	-23.36	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC2	Test Engineer	Fusco Pan
Test Date	2025-06-14	Test Mode	3DH5
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

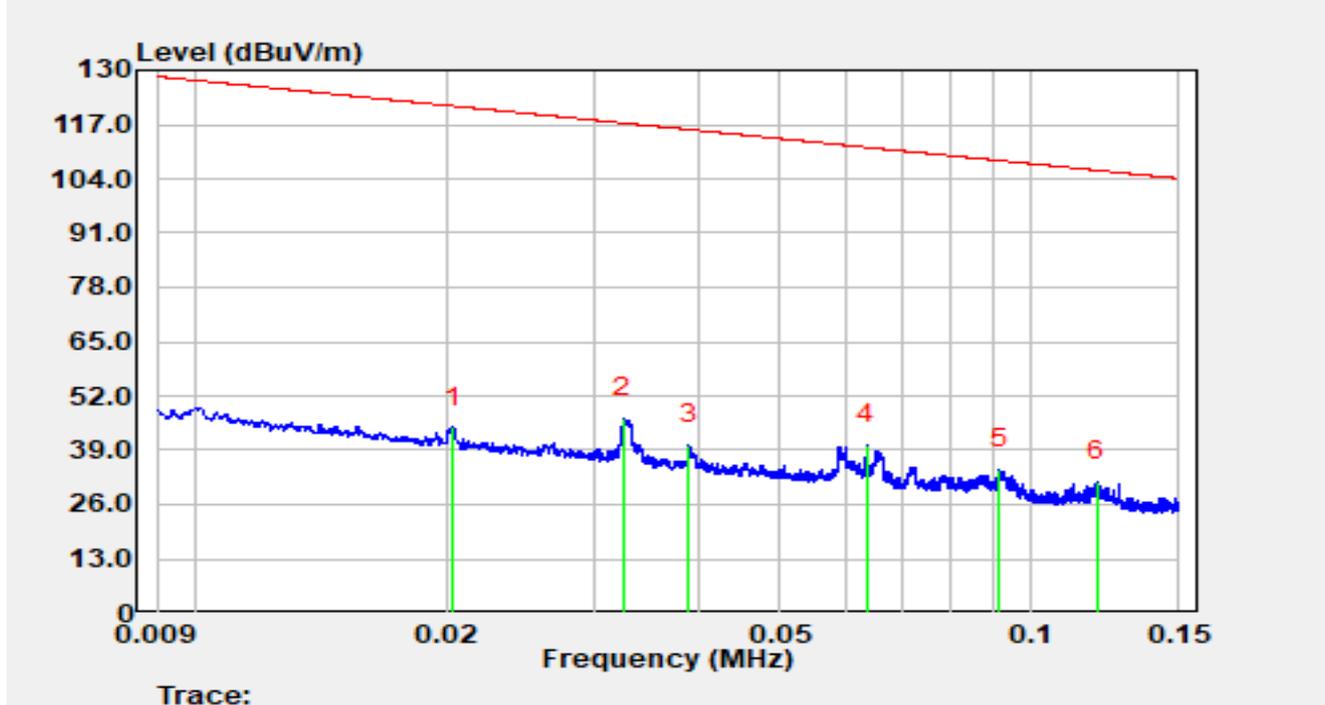
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	8216.50	43.70	4.14	47.84	74.00	-26.16	Peak	Horizontal
	10948.40	42.19	7.81	50.00	74.00	-24.00	Peak	Horizontal
	13282.50	40.53	8.28	48.81	74.00	-25.19	Peak	Horizontal
	8223.30	43.24	4.22	47.46	74.00	-26.54	Peak	Vertical
	9379.30	43.72	5.80	49.52	74.00	-24.48	Peak	Vertical
	10916.10	43.14	7.20	50.34	74.00	-23.66	Peak	Vertical
39	7536.50	43.83	2.22	46.05	74.00	-27.95	Peak	Horizontal
	8043.10	43.03	3.95	46.98	74.00	-27.02	Peak	Horizontal
	11538.30	41.45	8.10	49.55	74.00	-24.45	Peak	Horizontal
	7555.20	43.59	1.97	45.56	74.00	-28.44	Peak	Vertical
	8405.20	42.89	4.18	47.07	74.00	-26.93	Peak	Vertical
	10773.30	42.55	7.09	49.64	74.00	-24.36	Peak	Vertical
78	7541.60	43.61	2.13	45.74	74.00	-28.26	Peak	Horizontal
	8401.80	43.78	4.18	47.96	74.00	-26.04	Peak	Horizontal
	11483.90	41.66	8.15	49.81	74.00	-24.19	Peak	Horizontal
	7456.60	43.85	2.06	45.91	74.00	-28.09	Peak	Vertical
	8410.30	43.13	4.17	47.30	74.00	-26.70	Peak	Vertical
	10902.50	42.59	7.40	49.99	74.00	-24.01	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission below 1GHz:

Site	SIP-AC2	Test Date	2025-06-17
Temperature	22.3 °C	Humidity	61.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	FMZB 1519-60 D	Polarity	Coaxial
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

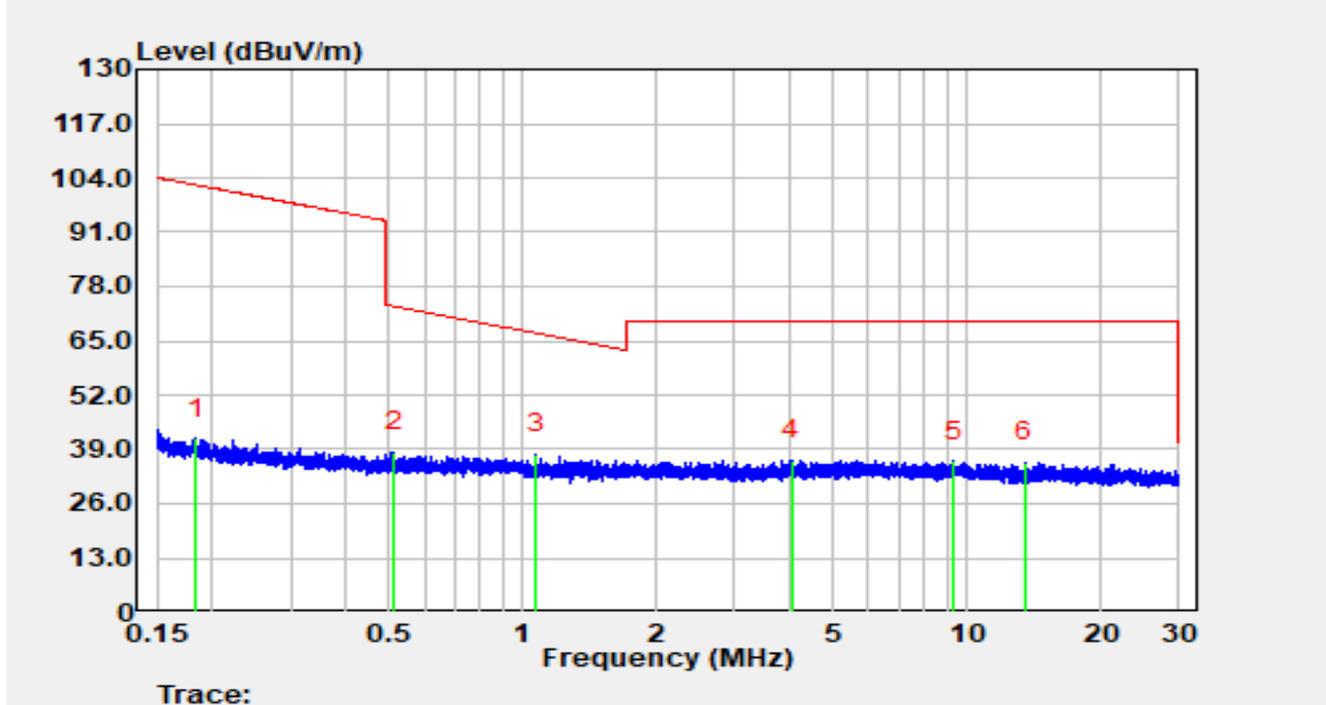


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		0.020	24.64	19.96	44.60	-76.84	121.44	Peak
2	*	0.033	26.90	19.79	46.69	-70.66	117.34	Peak
3		0.039	20.61	19.76	40.37	-75.41	115.79	Peak
4		0.064	20.66	19.75	40.42	-71.12	111.54	Peak
5		0.092	14.66	19.72	34.38	-73.98	108.36	Peak
6		0.120	11.77	19.66	31.43	-74.61	106.04	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-17
Temperature	22.3 °C	Humidity	61.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	FMZB 1519-60 D	Polarity	Coaxial
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

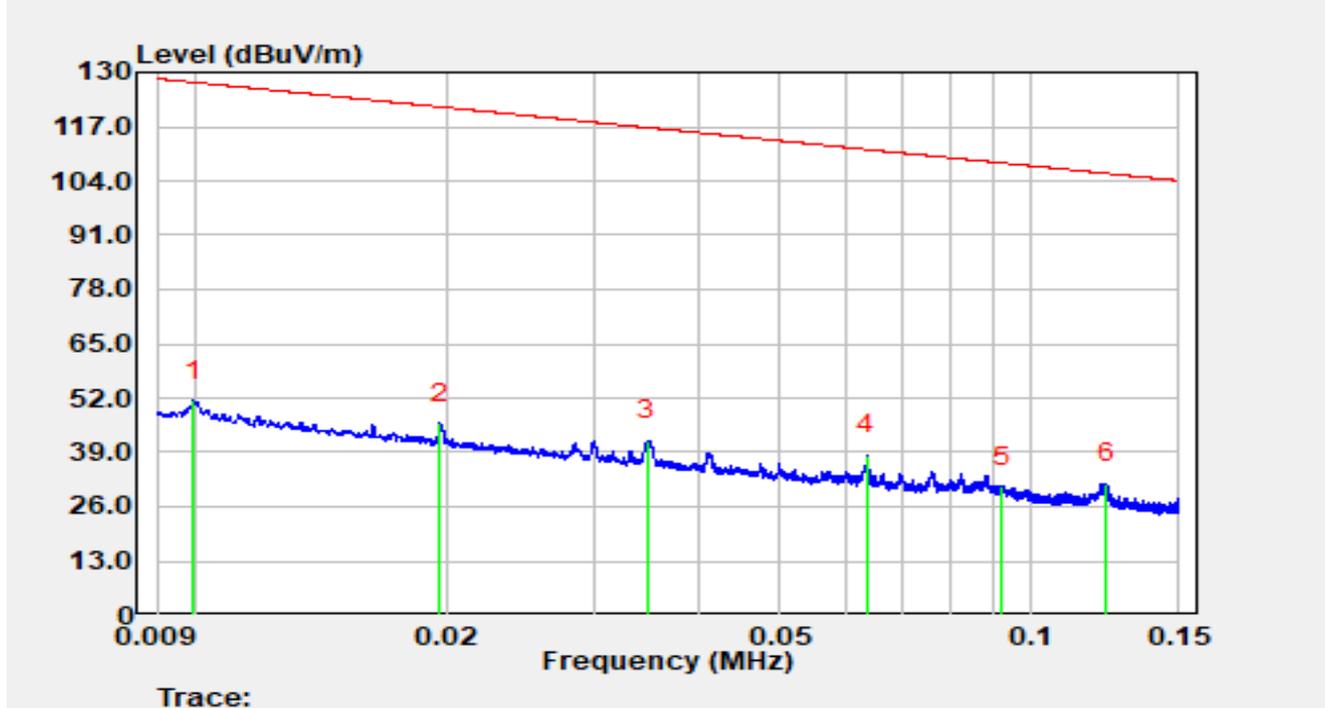


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		0.184	21.91	19.66	41.57	-60.72	102.29	Peak
2		0.512	18.70	19.61	38.31	-35.11	73.42	Peak
3	*	1.073	18.40	19.57	37.97	-29.04	67.01	Peak
4		4.019	17.00	19.46	36.46	-33.04	69.50	Peak
5		9.312	16.66	19.53	36.19	-33.31	69.50	Peak
6		13.458	16.33	19.52	35.84	-33.66	69.50	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-17
Temperature	22.3 °C	Humidity	61.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	FMZB 1519-60 D	Polarity	Coplanar
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

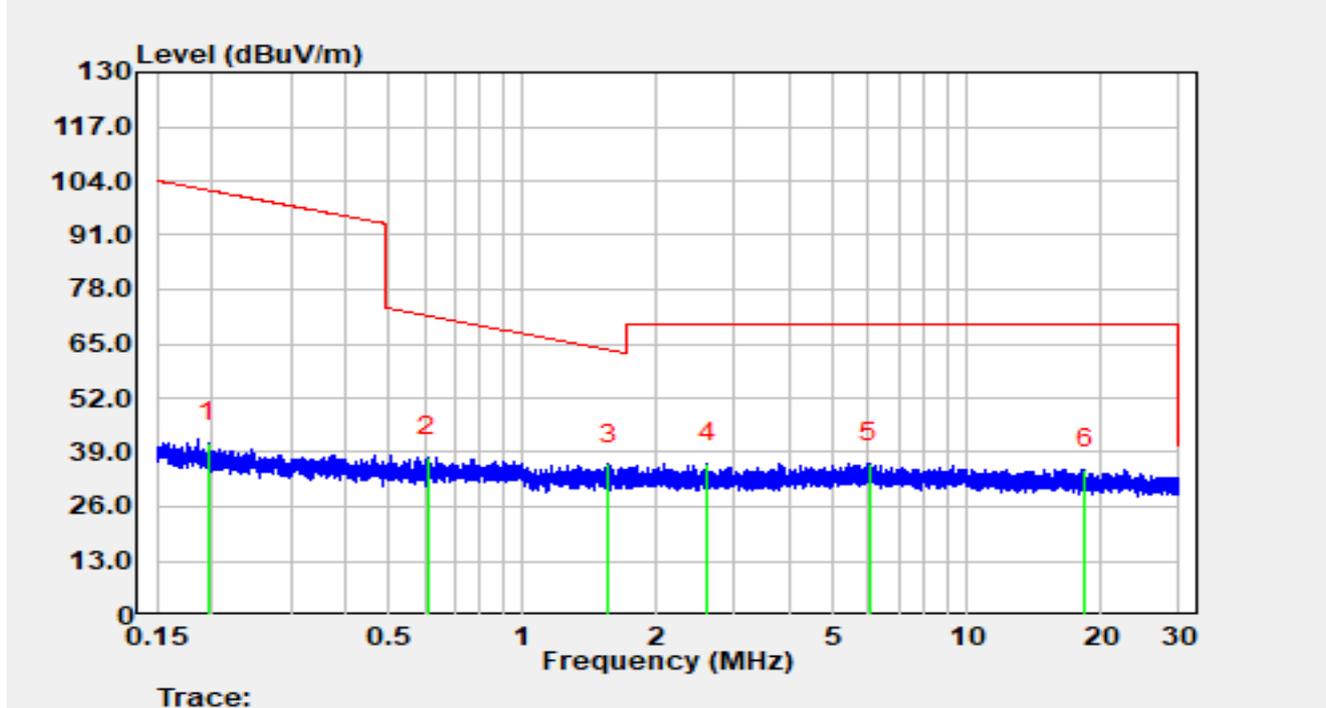


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		0.010	30.77	20.62	51.38	-76.25	127.63	Peak
2		0.020	26.00	19.98	45.98	-75.75	121.73	Peak
3		0.035	22.15	19.78	41.93	-74.84	116.77	Peak
4	*	0.064	18.53	19.75	38.28	-73.26	111.53	Peak
5		0.092	11.14	19.72	30.86	-77.44	108.30	Peak
6		0.123	11.97	19.66	31.63	-74.19	105.82	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-17
Temperature	22.3 °C	Humidity	61.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	FMZB 1519-60 D	Polarity	Coplanar
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

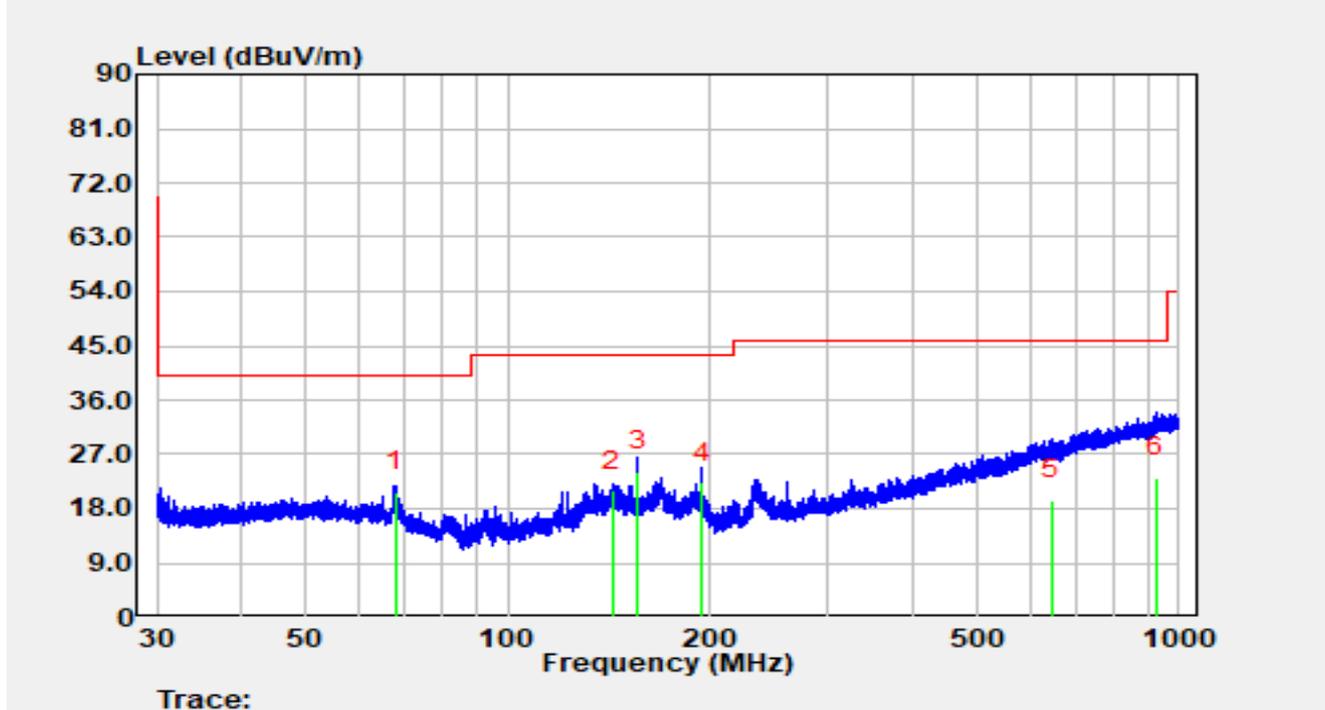


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		0.195	21.76	19.66	41.42	-60.37	101.80	Peak
2		0.610	18.33	19.59	37.91	-33.99	71.90	Peak
3	*	1.558	16.47	19.65	36.12	-27.66	63.78	Peak
4		2.596	16.95	19.59	36.54	-32.96	69.50	Peak
5		6.037	17.14	19.40	36.54	-32.96	69.50	Peak
6		18.377	15.45	19.62	35.07	-34.43	69.50	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-17
Temperature	22.3 °C	Humidity	61.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	VULB 9168_00999	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

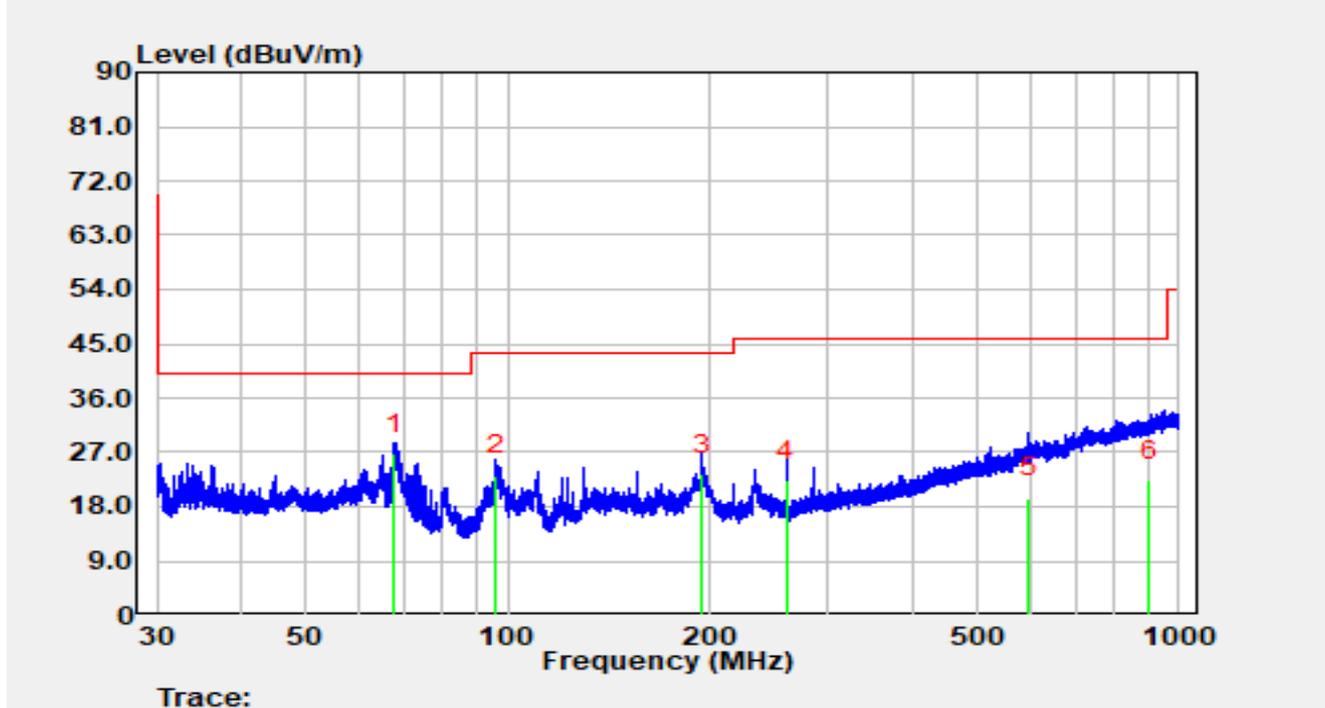


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	68.008	2.60	18.21	20.81	-19.19	40.00	QP
2		143.376	1.10	19.95	21.05	-22.45	43.50	QP
3		156.020	4.10	20.09	24.19	-19.31	43.50	QP
4		195.000	5.00	17.29	22.29	-21.21	43.50	QP
5		644.893	-8.90	28.34	19.44	-26.56	46.00	QP
6		924.783	-8.90	32.06	23.16	-22.84	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-17
Temperature	22.3 °C	Humidity	61.2 %
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	VULB 9168_00999	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		



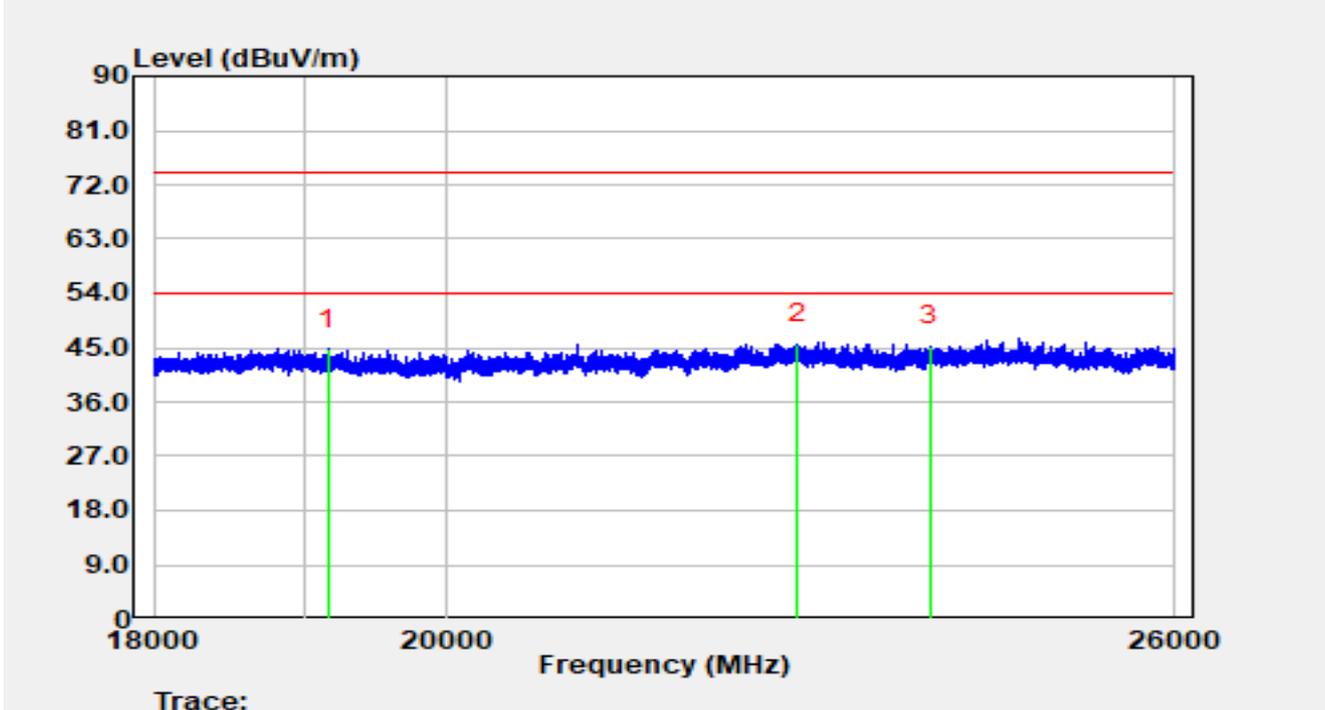
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	67.723	8.55	18.27	26.82	-13.18	40.00	QP
2		96.065	7.96	15.21	23.17	-20.33	43.50	QP
3		195.000	6.11	17.29	23.40	-20.10	43.50	QP
4		260.053	3.30	19.11	22.41	-23.59	46.00	QP
5		598.062	-8.30	27.75	19.45	-26.55	46.00	QP
6		902.043	-9.20	31.51	22.31	-23.69	46.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

The Result of Radiated Emission above 18GHz:

Site	SIP-AC2	Test Date	2025-06-19
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9170_00934	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

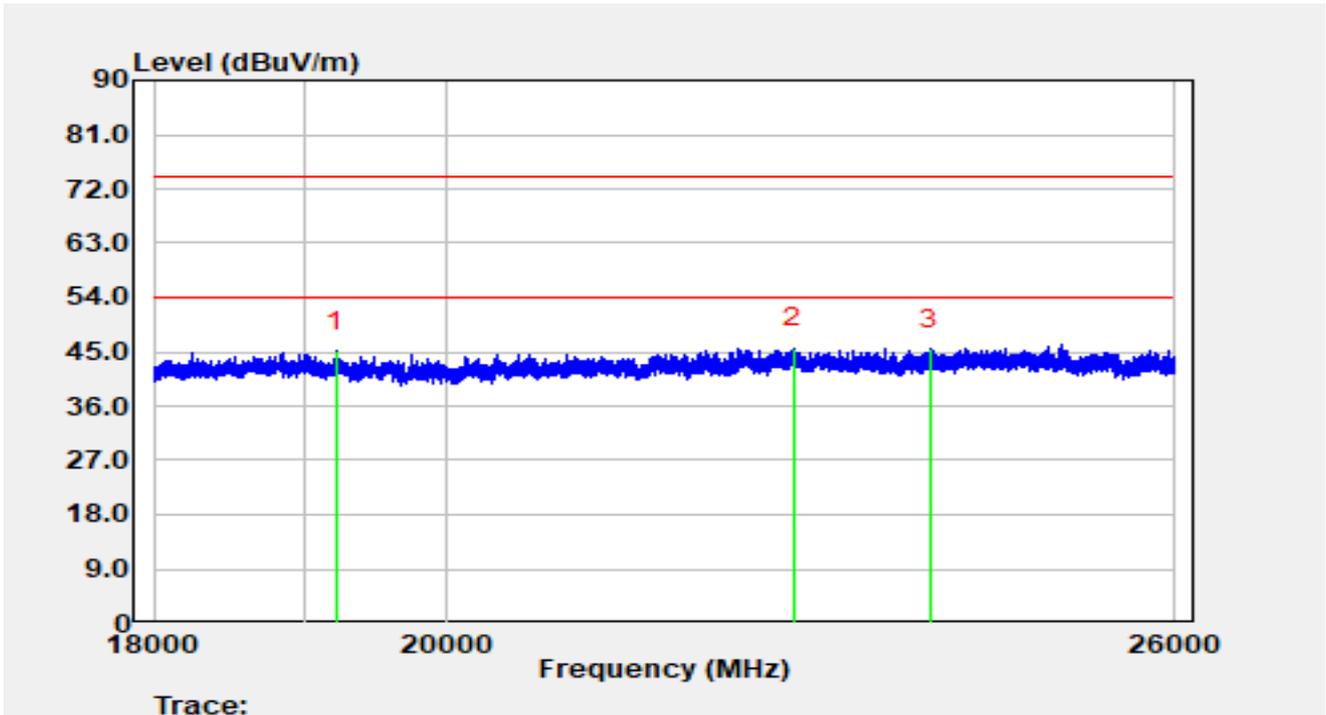


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		19164.800	56.07	-11.27	44.80	-29.20	74.00	Peak
2	*	22695.200	54.04	-8.51	45.53	-28.47	74.00	Peak
3		23805.600	53.51	-8.25	45.27	-28.73	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-19
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part 15.209_RSE(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9170_00934	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		



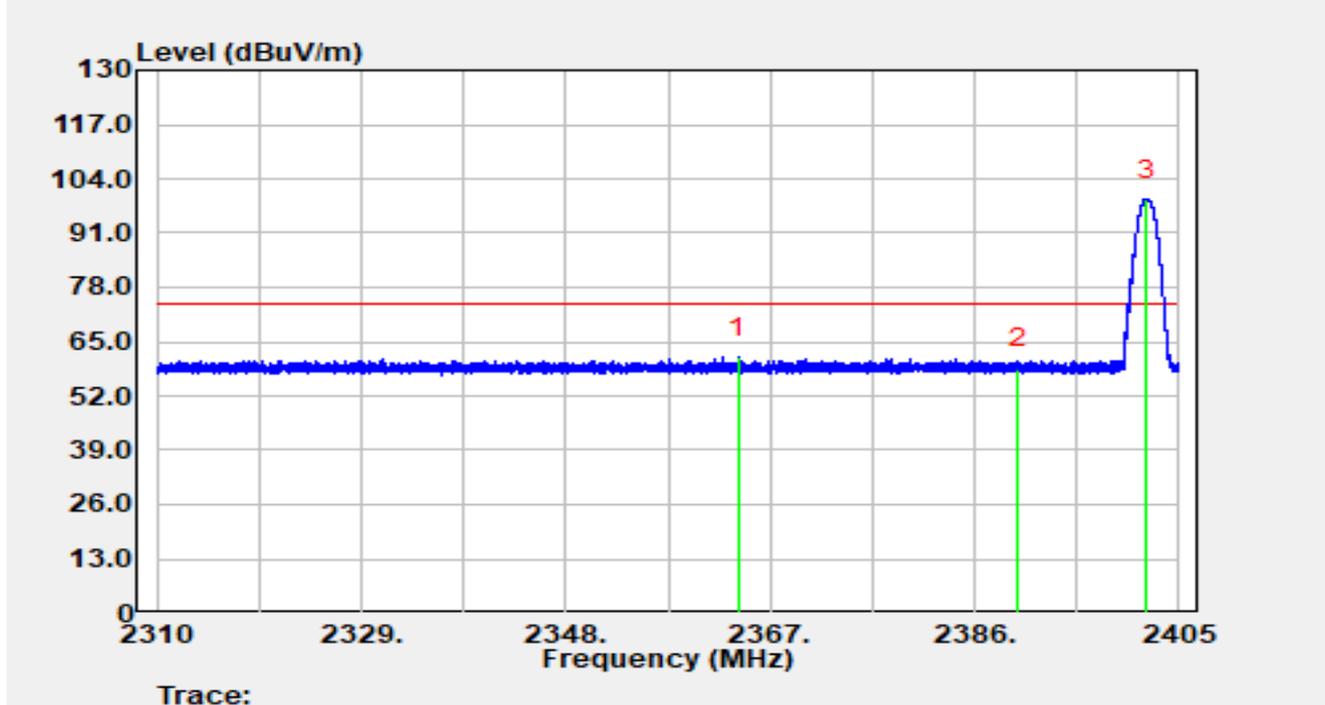
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		19216.800	56.38	-11.36	45.02	-28.98	74.00	Peak
2	*	22663.200	53.91	-8.38	45.54	-28.46	74.00	Peak
3		23802.400	53.61	-8.27	45.34	-28.66	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

A.10 Radiated Restricted Band Edge Test Result

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2402MHz		

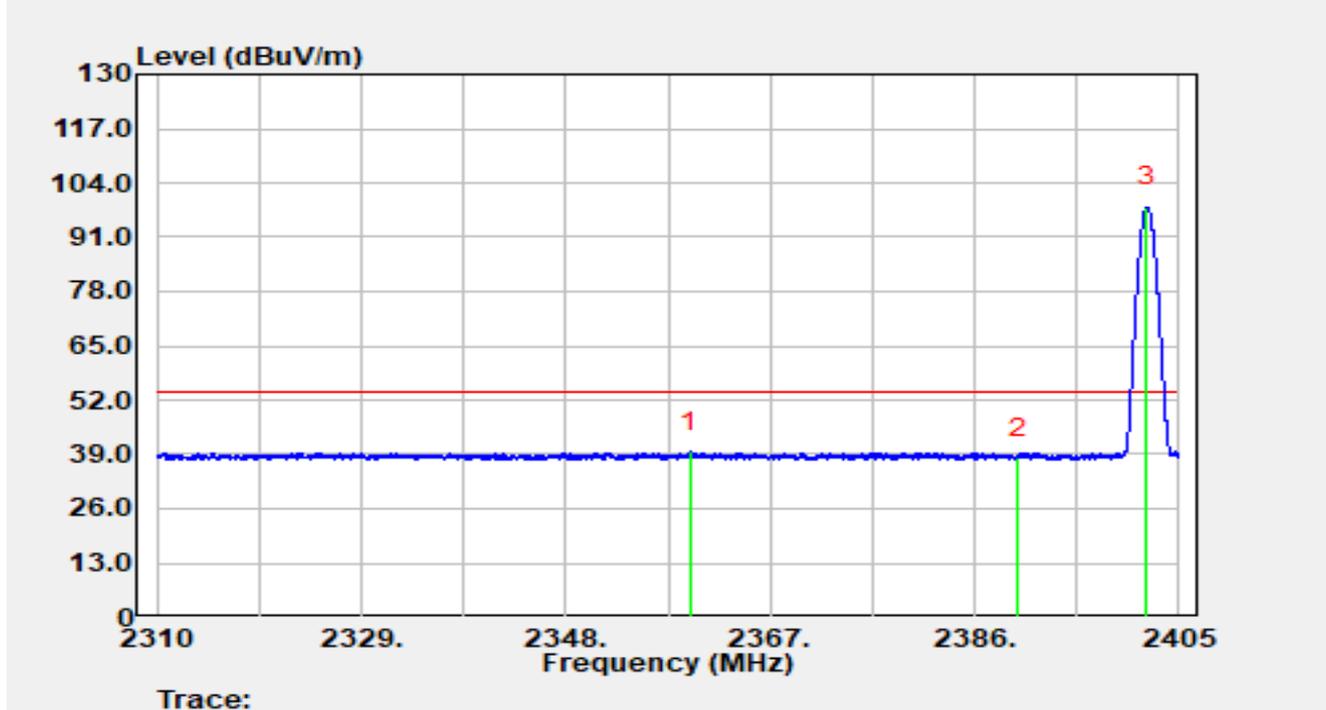


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2364.064	27.69	33.51	61.20	-12.80	74.00	Peak
2		2390.000	25.23	33.38	58.61	-15.39	74.00	Peak
3		2402.008	65.69	33.33	99.02	N/A	N/A	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2402MHz		

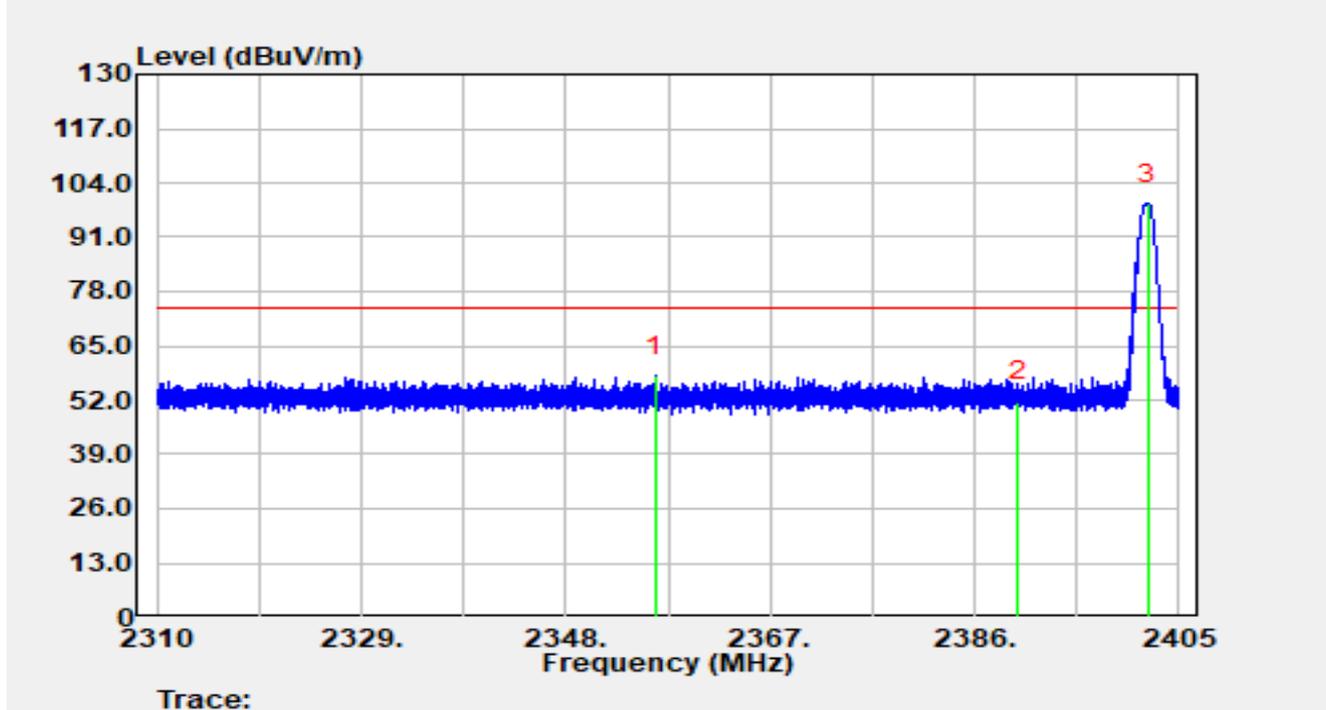


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2359.571	6.07	33.53	39.60	-14.40	54.00	Average
2		2390.000	4.79	33.38	38.17	-15.83	54.00	Average
3		2402.017	64.95	33.33	98.27	N/A	N/A	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2402MHz		

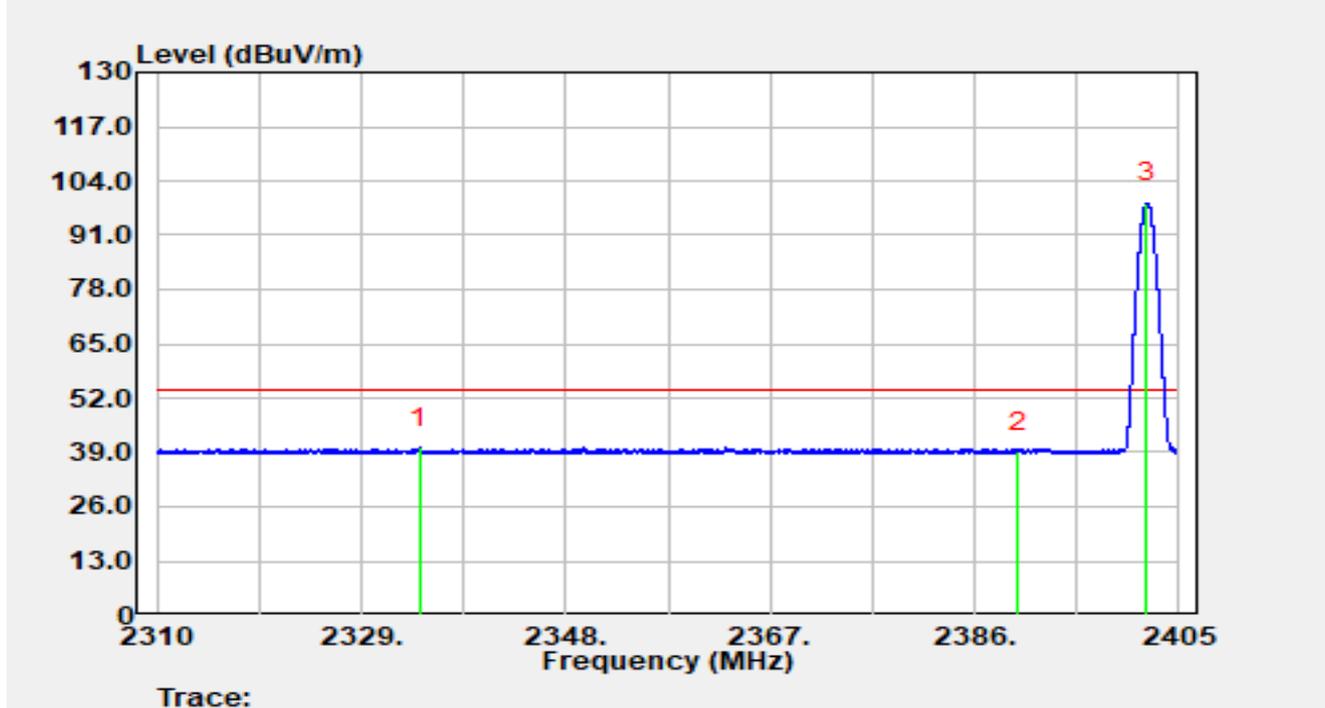


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2356.265	24.12	33.53	57.64	-16.36	74.00	Peak
2		2390.000	18.24	33.38	51.61	-22.39	74.00	Peak
3		2402.064	65.71	33.33	99.04	N/A	N/A	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2402MHz		

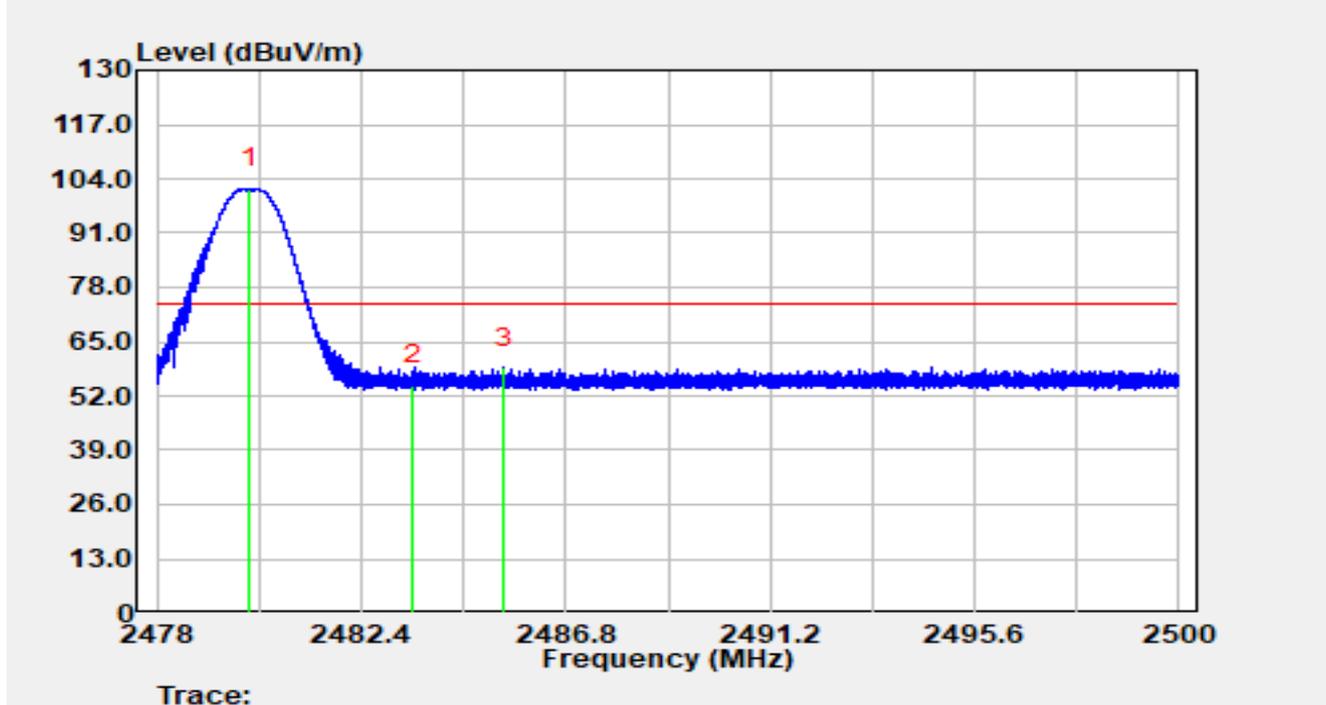


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2334.358	6.42	33.59	40.01	-13.99	54.00	Average
2		2390.000	5.74	33.38	39.12	-14.88	54.00	Average
3		2401.960	65.48	33.33	98.81	N/A	N/A	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2480MHz		

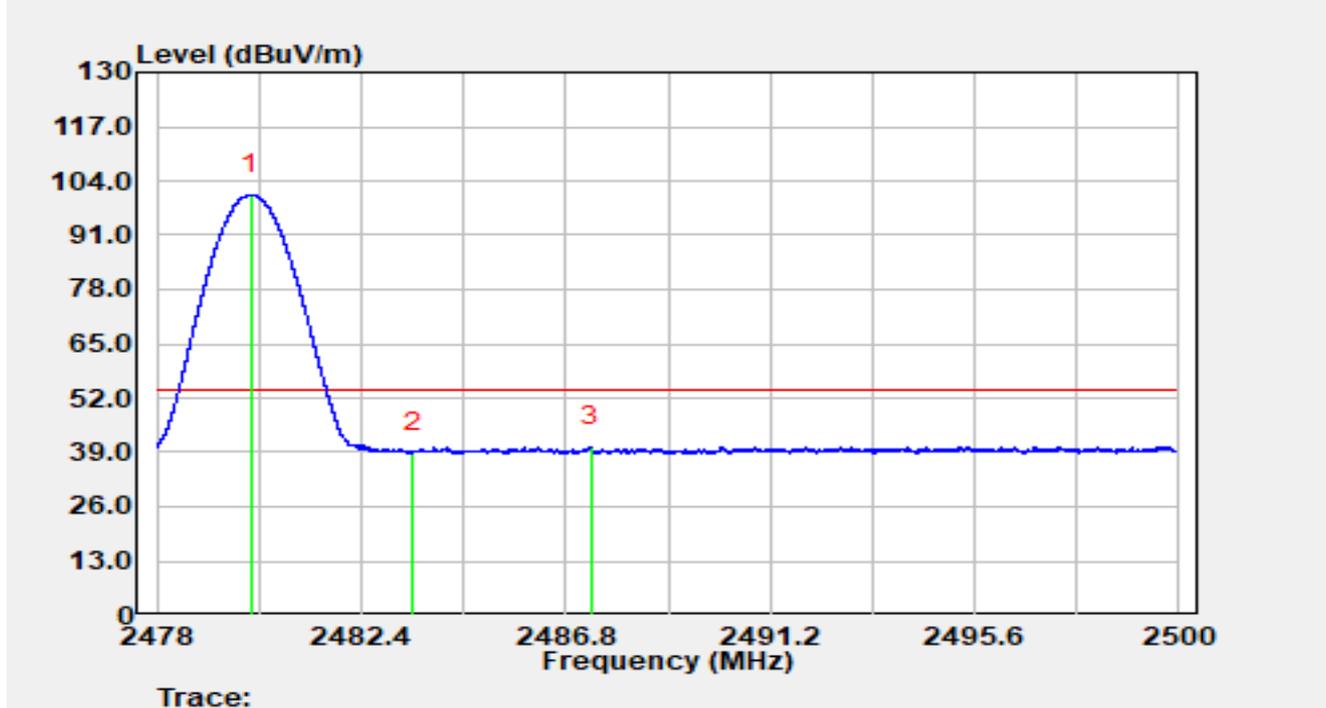


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2479.998	68.35	33.23	101.58	N/A	N/A	Peak
2		2483.500	21.45	33.25	54.70	-19.30	74.00	Peak
3	*	2485.456	25.41	33.26	58.67	-15.33	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2480MHz		

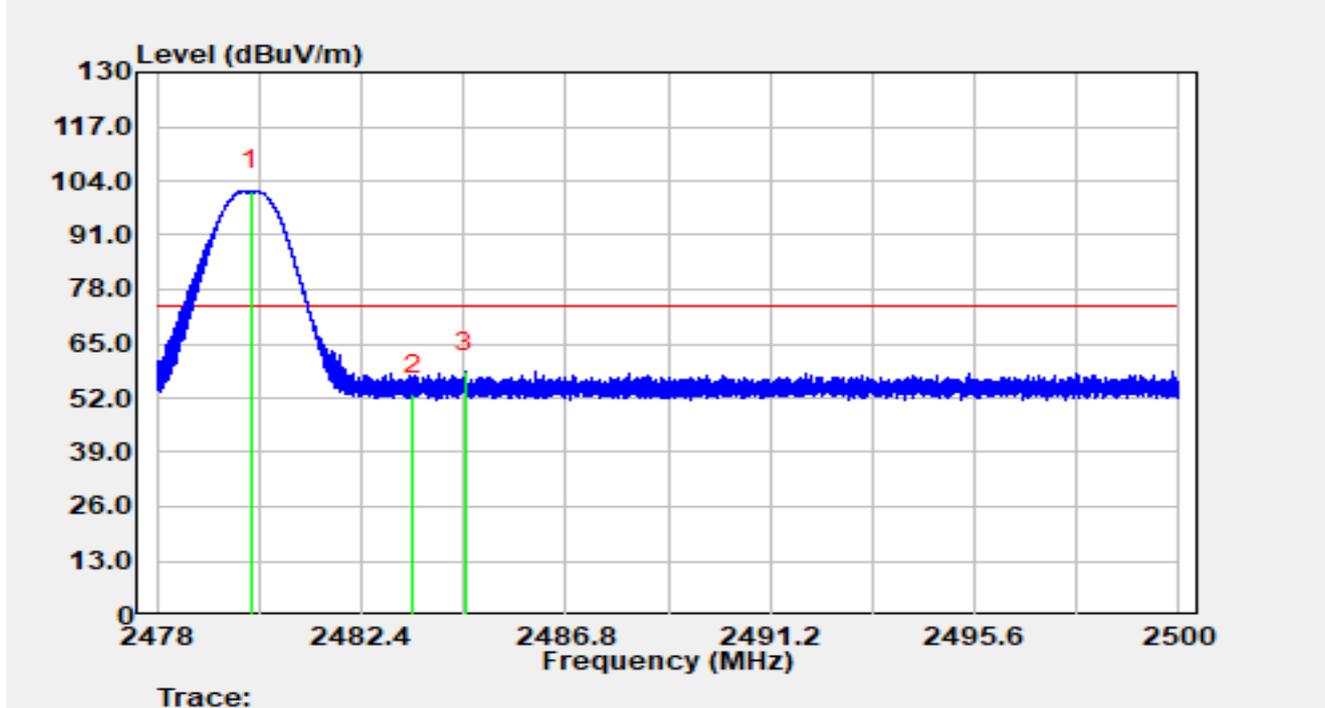


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2480.013	67.43	33.23	100.66	N/A	N/A	Average
2		2483.500	5.75	33.25	39.00	-15.00	54.00	Average
3	*	2487.330	7.02	33.27	40.29	-13.71	54.00	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2480MHz		

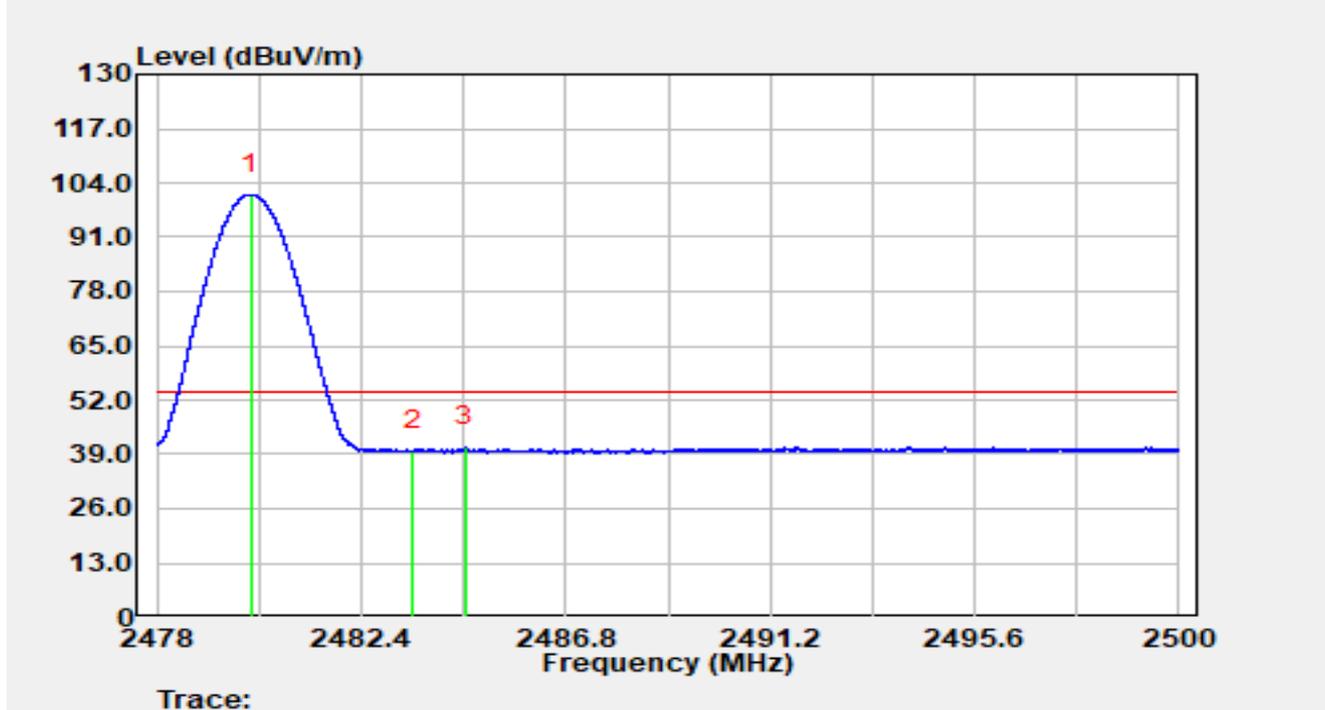


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.022	68.38	33.23	101.61	N/A	N/A	Peak
2		2483.500	19.64	33.25	52.89	-21.11	74.00	Peak
3	*	2484.635	25.11	33.26	58.36	-15.64	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2480MHz		

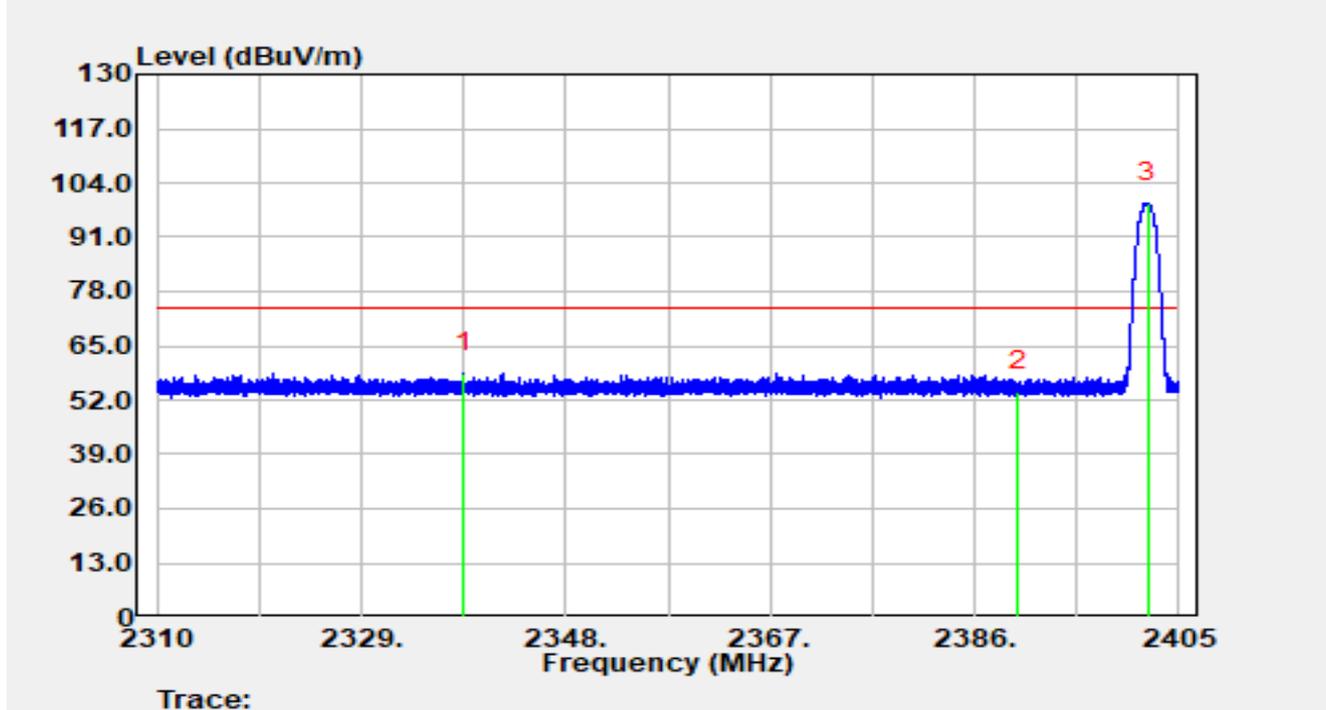


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.013	68.00	33.23	101.23	N/A	N/A	Average
2		2483.500	6.49	33.25	39.74	-14.26	54.00	Average
3	*	2484.646	7.49	33.26	40.74	-13.26	54.00	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2402MHz		

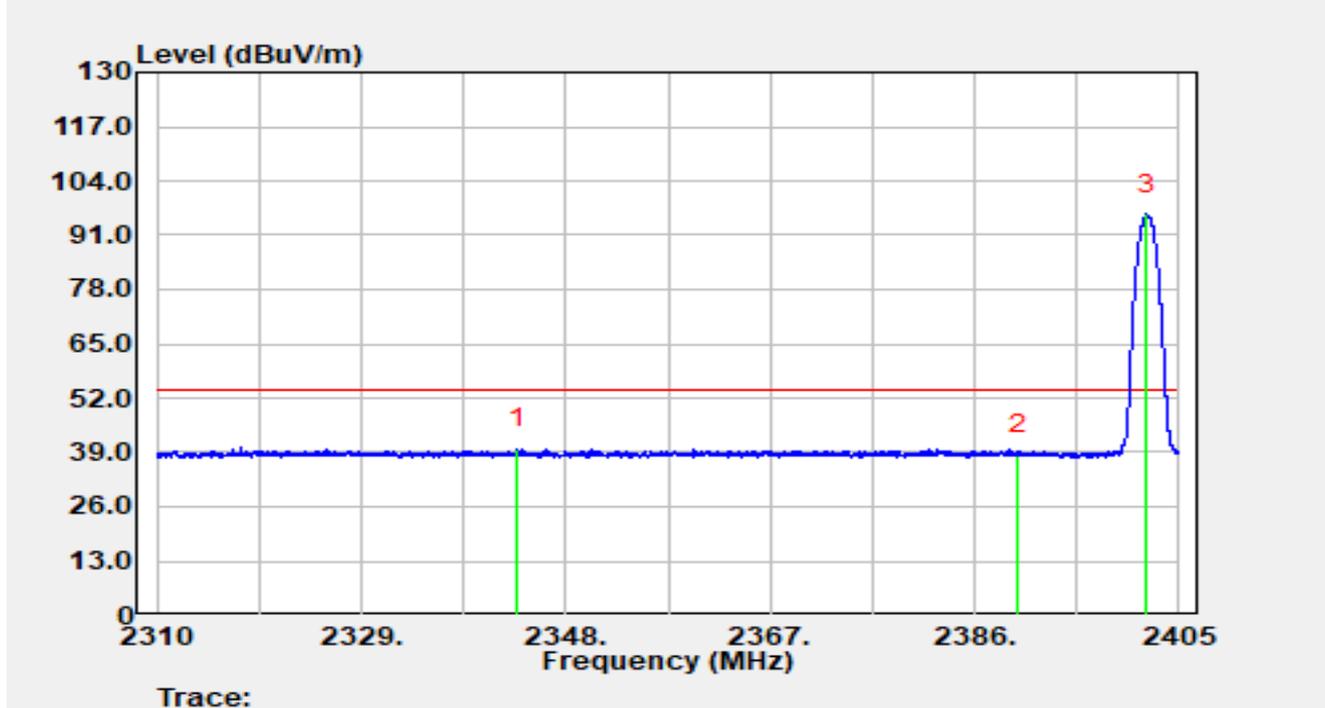


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2338.462	24.90	33.55	58.45	-15.55	74.00	Peak
2		2390.000	20.76	33.38	54.14	-19.86	74.00	Peak
3		2402.169	65.90	33.33	99.22	N/A	N/A	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2402MHz		

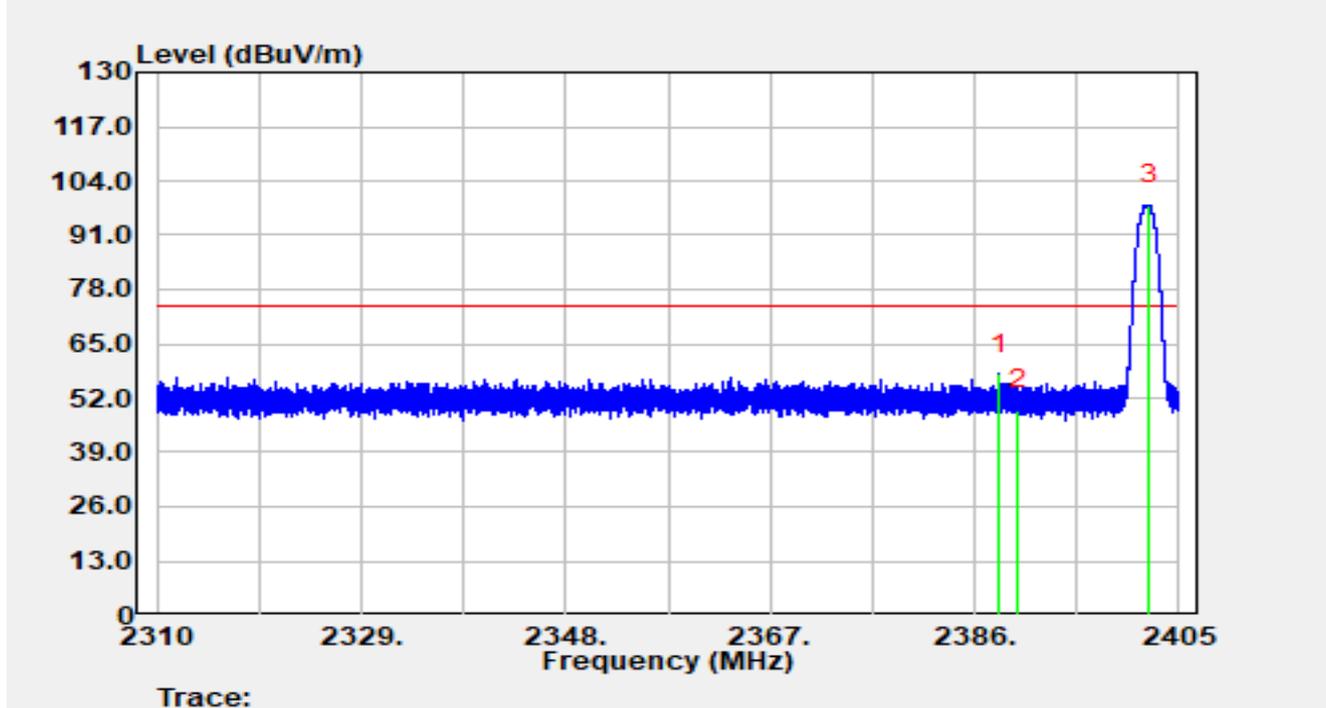


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2343.449	6.45	33.52	39.96	-14.04	54.00	Average
2		2390.000	5.04	33.38	38.41	-15.59	54.00	Average
3		2402.036	62.58	33.33	95.91	N/A	N/A	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2402MHz		

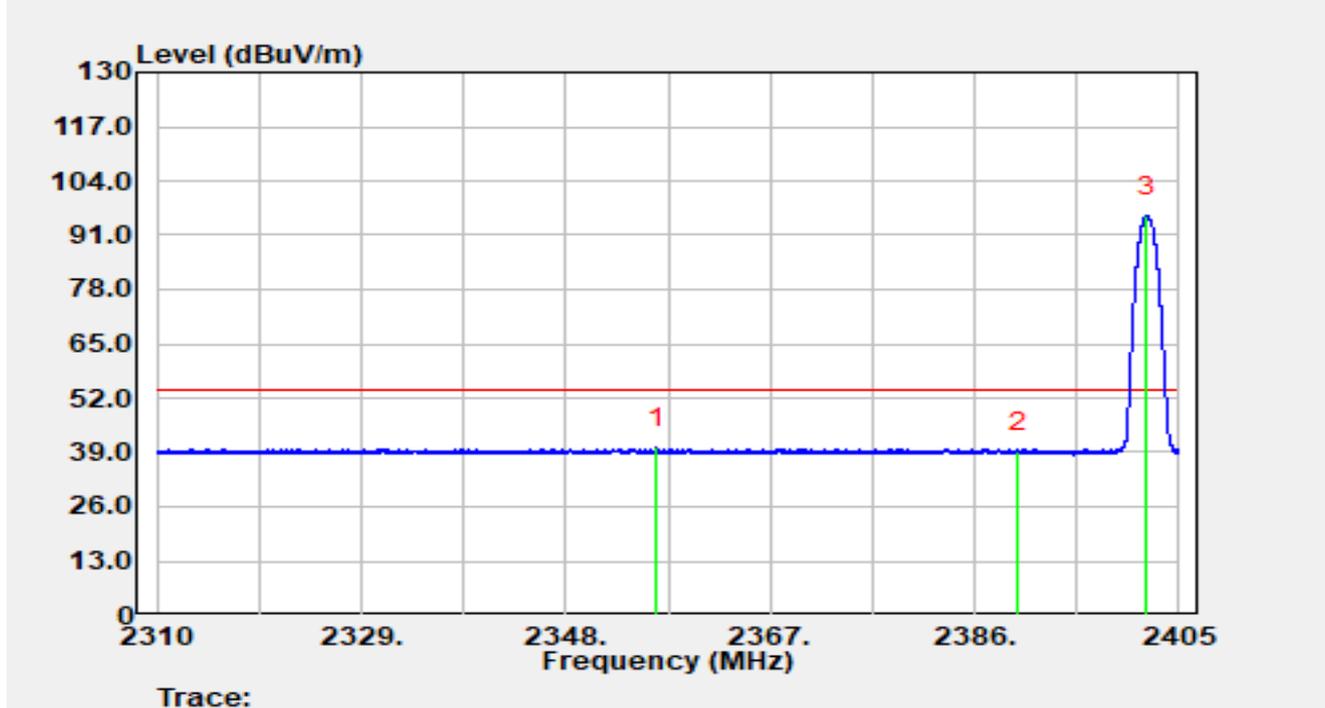


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2388.290	24.44	33.38	57.82	-16.18	74.00	Peak
2		2390.000	15.81	33.38	49.19	-24.81	74.00	Peak
3		2402.178	64.96	33.33	98.29	N/A	N/A	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2402MHz		

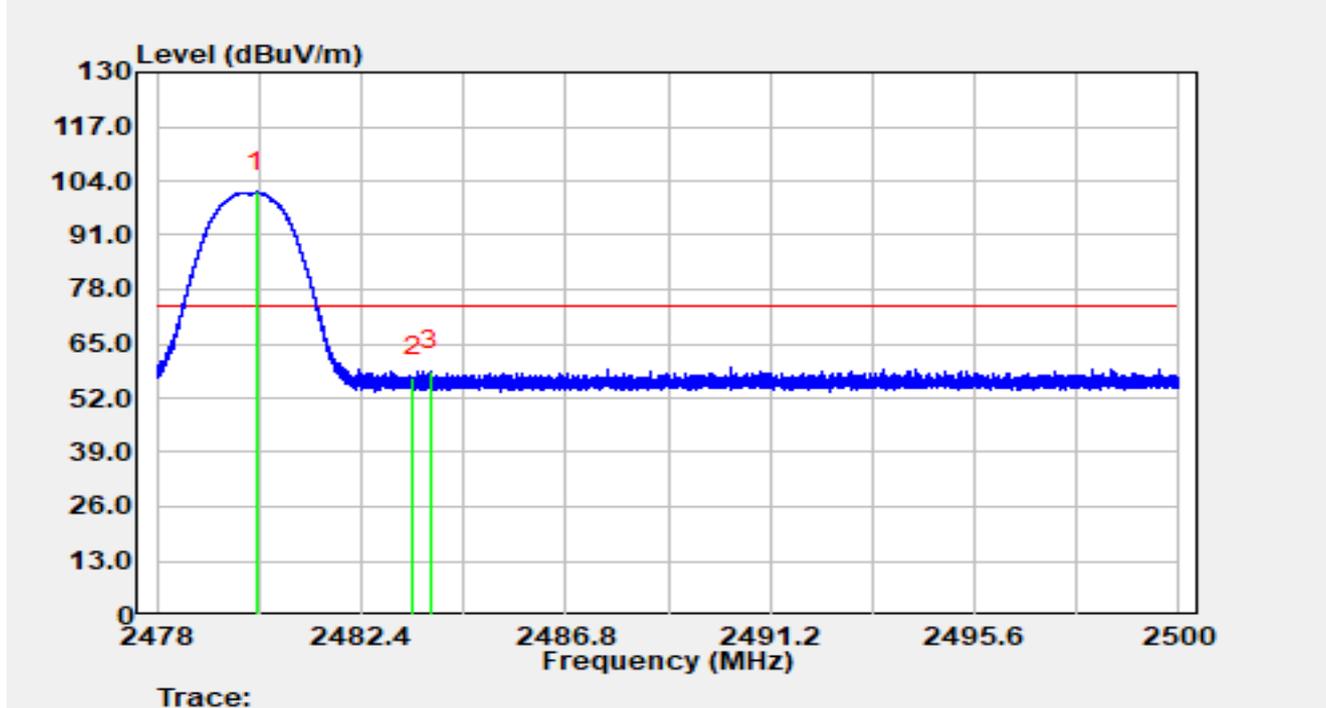


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2356.474	6.68	33.53	40.21	-13.79	54.00	Average
2		2390.000	5.80	33.38	39.18	-14.82	54.00	Average
3		2402.036	62.25	33.33	95.57	N/A	N/A	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2480MHz		

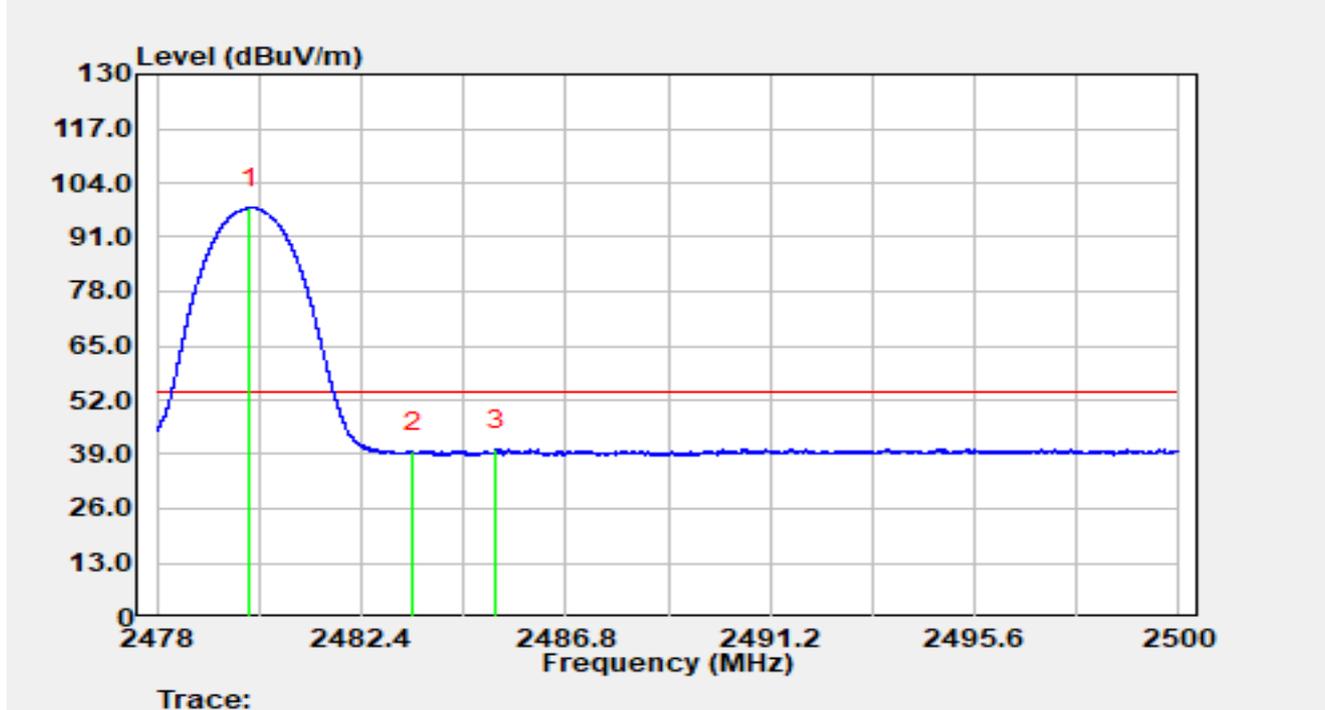


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2480.134	68.08	33.23	101.31	N/A	N/A	Peak
2		2483.500	23.70	33.25	56.95	-17.05	74.00	Peak
3	*	2483.892	25.15	33.25	58.41	-15.59	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2480MHz		

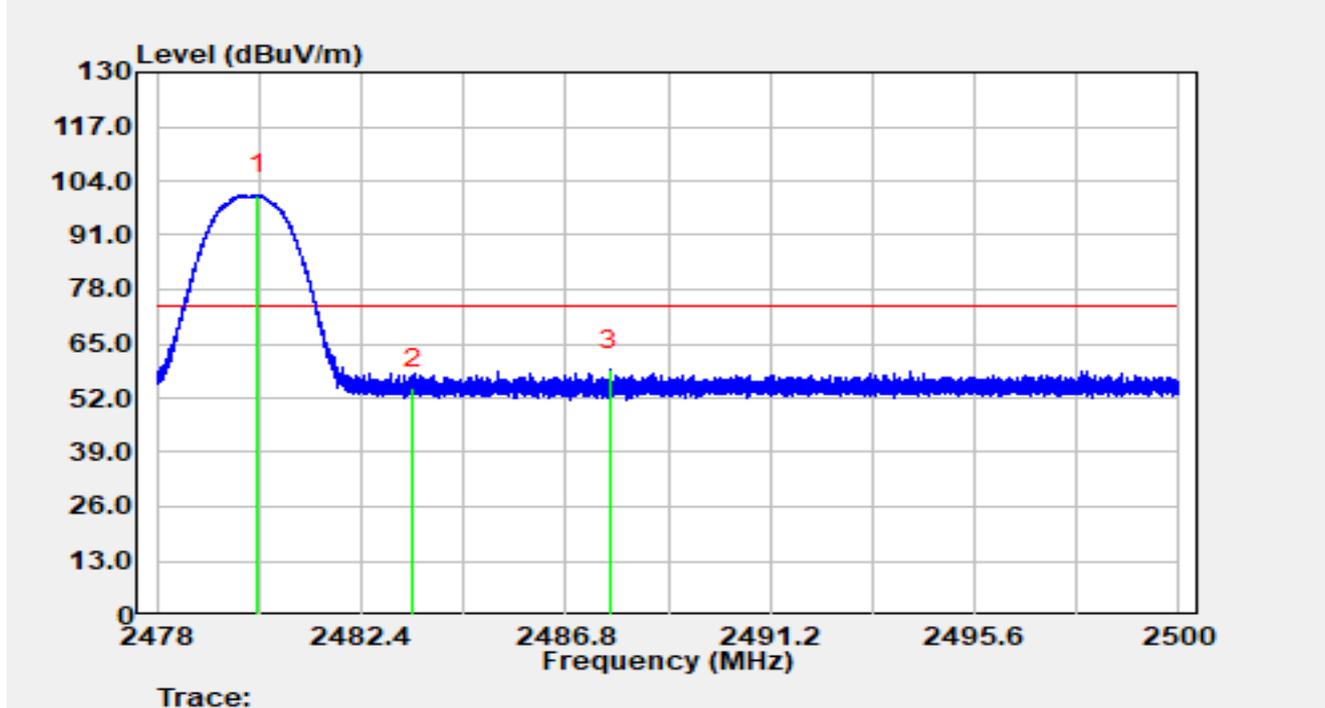


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.006	64.80	33.23	98.03	N/A	N/A	Average
2		2483.500	6.32	33.25	39.57	-14.43	54.00	Average
3	*	2485.311	6.89	33.26	40.15	-13.85	54.00	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2480MHz		

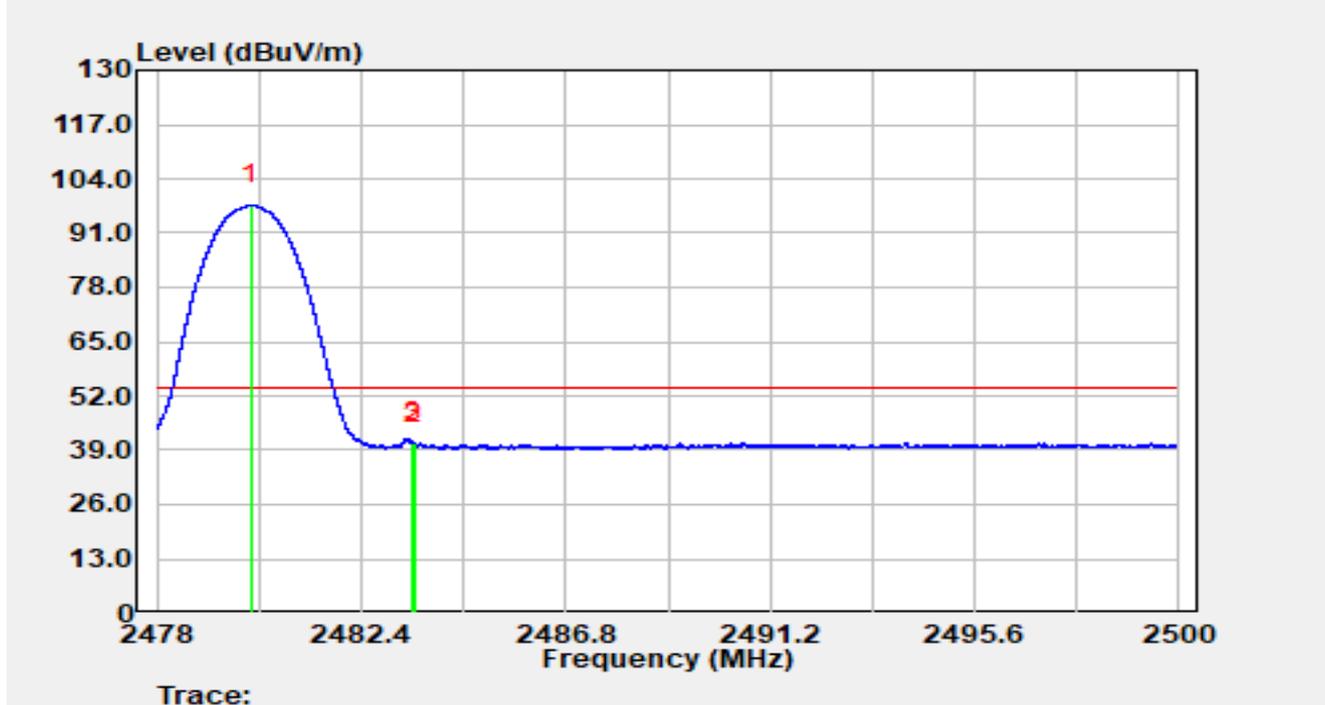


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2480.163	67.48	33.23	100.71	N/A	N/A	Peak
2		2483.500	20.96	33.25	54.21	-19.79	74.00	Peak
3	*	2487.755	25.52	33.28	58.79	-15.21	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 2DH5 at 2480MHz		

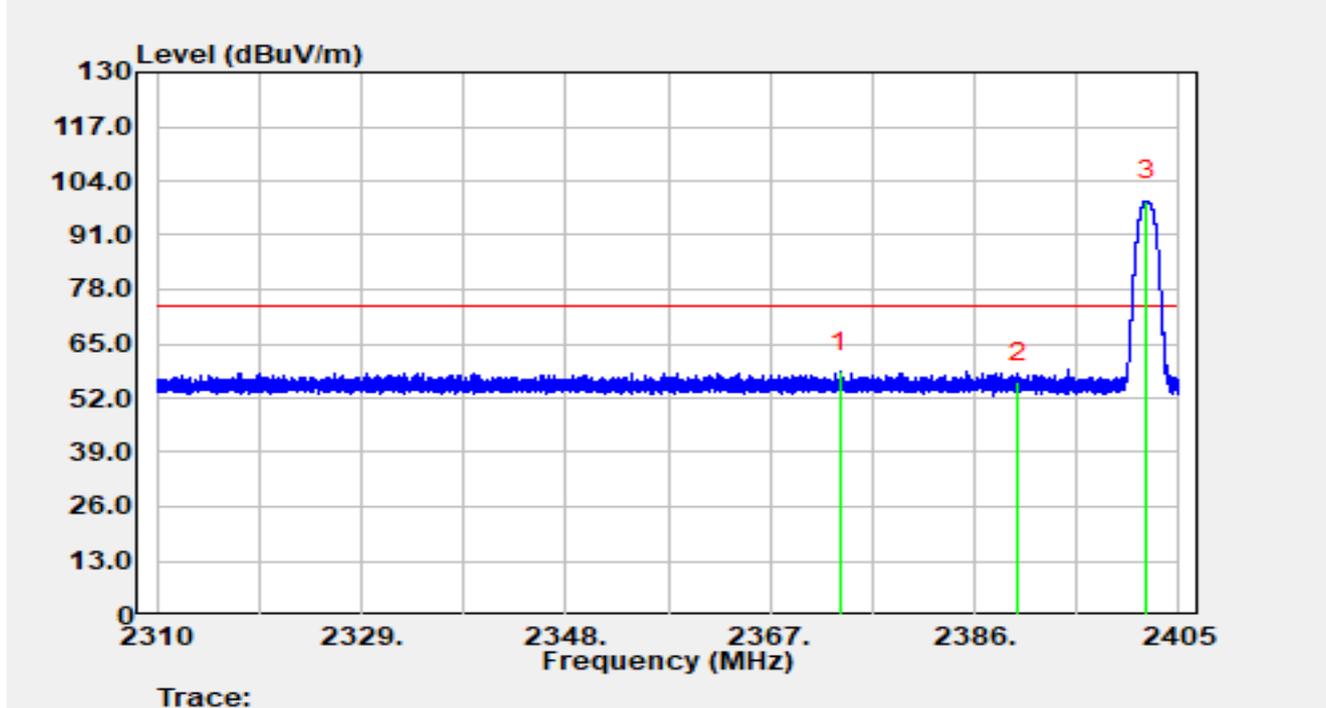


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2480.026	64.42	33.23	97.65	N/A	N/A	Average
2		2483.500	7.30	33.25	40.55	-13.45	54.00	Average
3	*	2483.540	7.48	33.25	40.73	-13.27	54.00	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2402MHz		

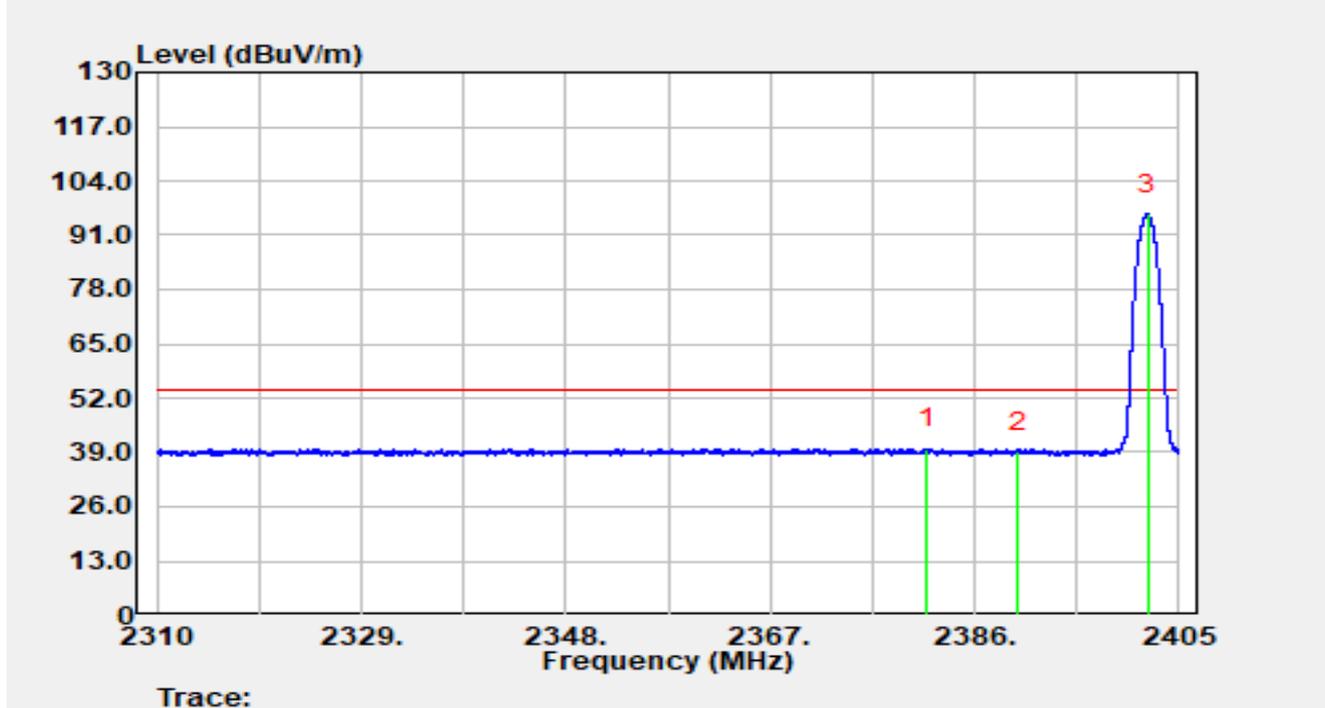


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2373.441	24.69	33.45	58.14	-15.86	74.00	Peak
2		2390.000	22.50	33.38	55.87	-18.13	74.00	Peak
3		2401.979	65.95	33.33	99.28	N/A	N/A	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2402MHz		

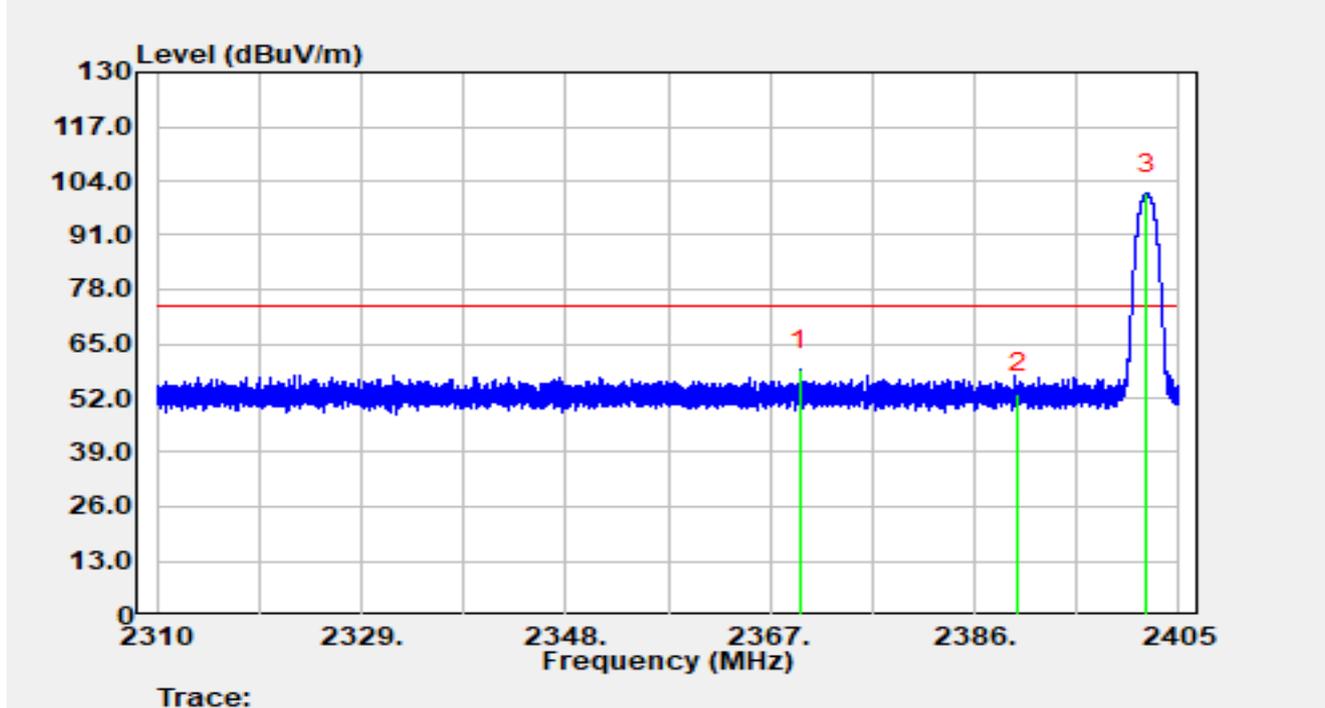


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2381.639	6.56	33.41	39.97	-14.03	54.00	Average
2		2390.000	5.70	33.38	39.07	-14.93	54.00	Average
3		2402.064	62.61	33.33	95.93	N/A	N/A	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2402MHz		

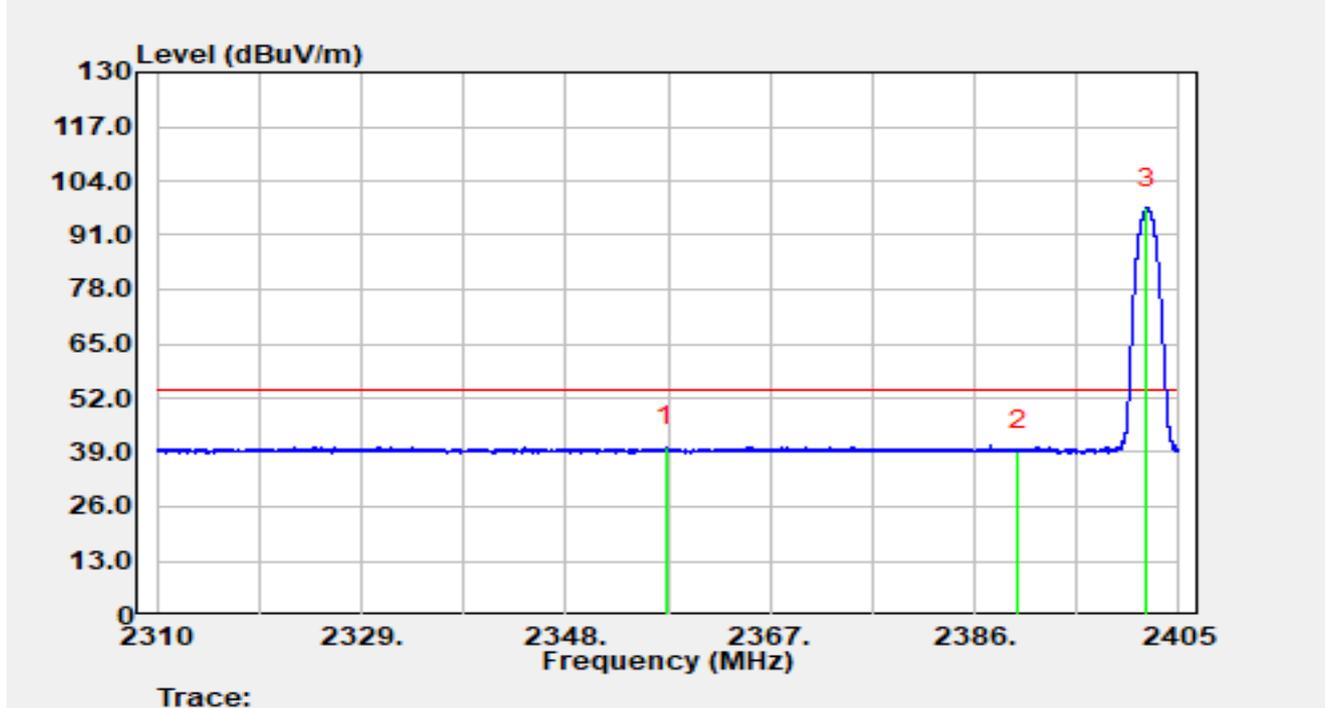


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2369.736	25.33	33.47	58.80	-15.20	74.00	Peak
2		2390.000	19.64	33.38	53.01	-20.99	74.00	Peak
3		2402.008	67.52	33.33	100.85	N/A	N/A	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2402MHz		

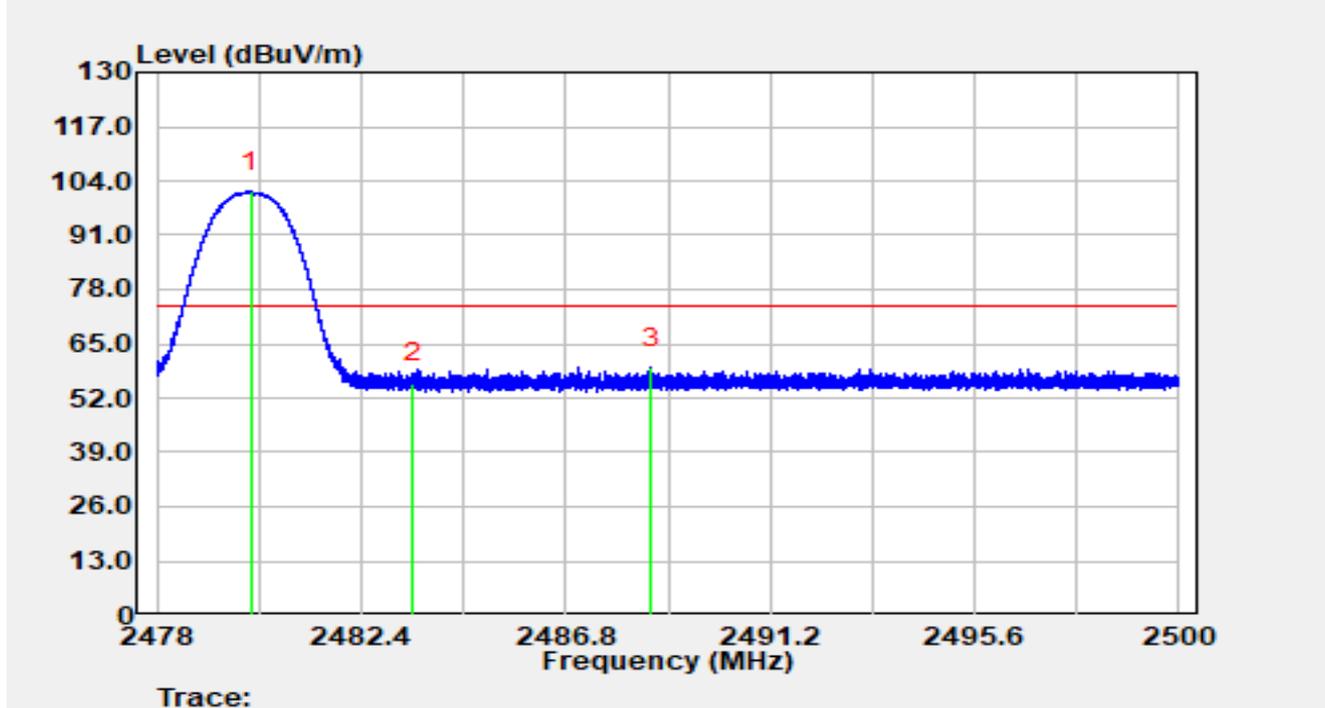


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	2357.367	6.81	33.53	40.34	-13.66	54.00	Average
2		2390.000	5.87	33.38	39.25	-14.75	54.00	Average
3		2402.027	64.17	33.33	97.50	N/A	N/A	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2480MHz		

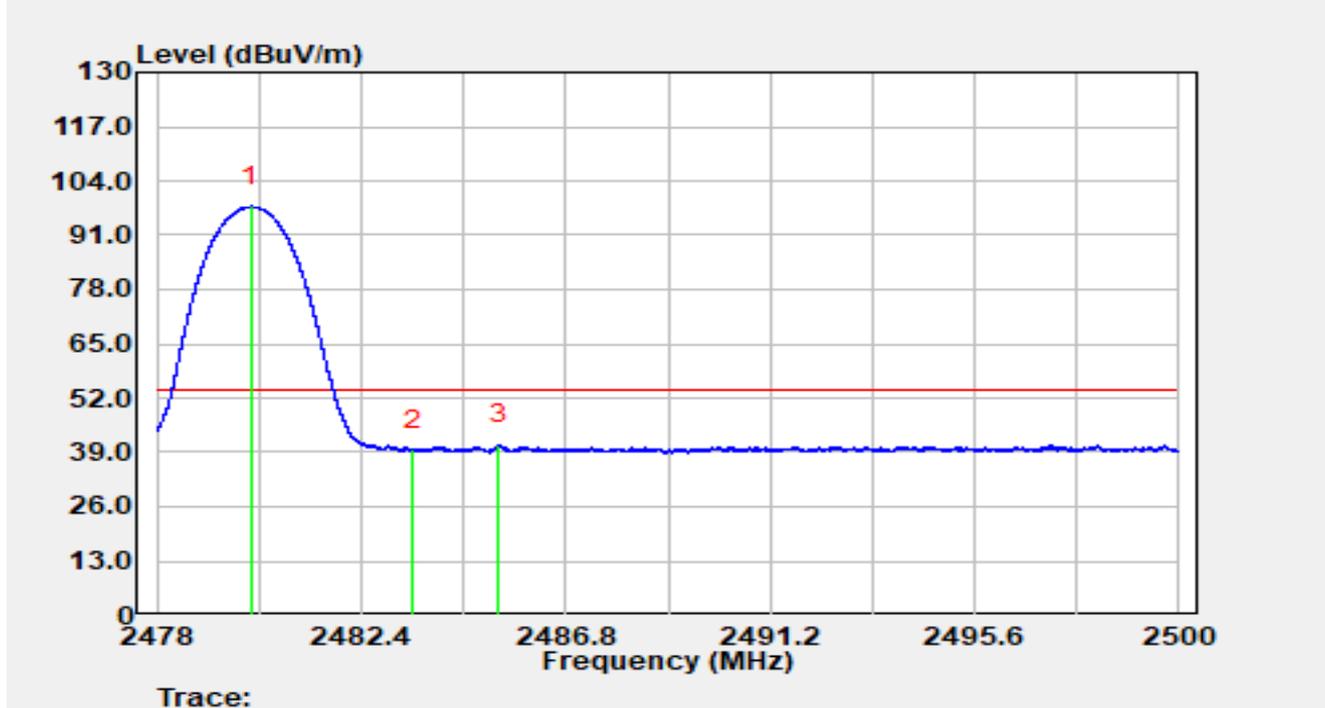


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2480.022	68.24	33.23	101.47	N/A	N/A	Peak
2		2483.500	22.37	33.25	55.62	-18.38	74.00	Peak
3	*	2488.639	25.91	33.28	59.19	-14.81	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Horizontal
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2480MHz		

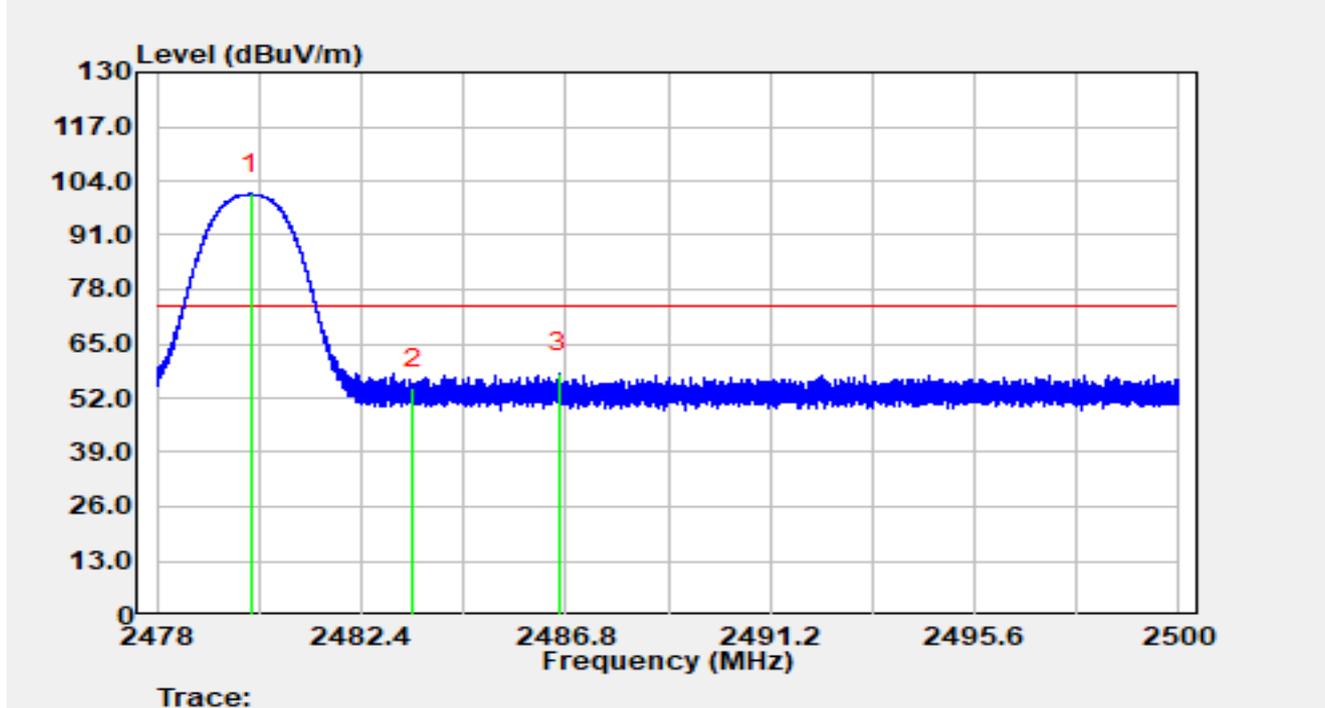


No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Detector
1		2480.028	64.66	33.23	97.89	N/A	N/A	Average
2		2483.500	6.45	33.25	39.70	-14.30	54.00	Average
3	*	2485.354	7.57	33.26	40.83	-13.17	54.00	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dB μ V/m) = Reading (dB μ V) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2480MHz		

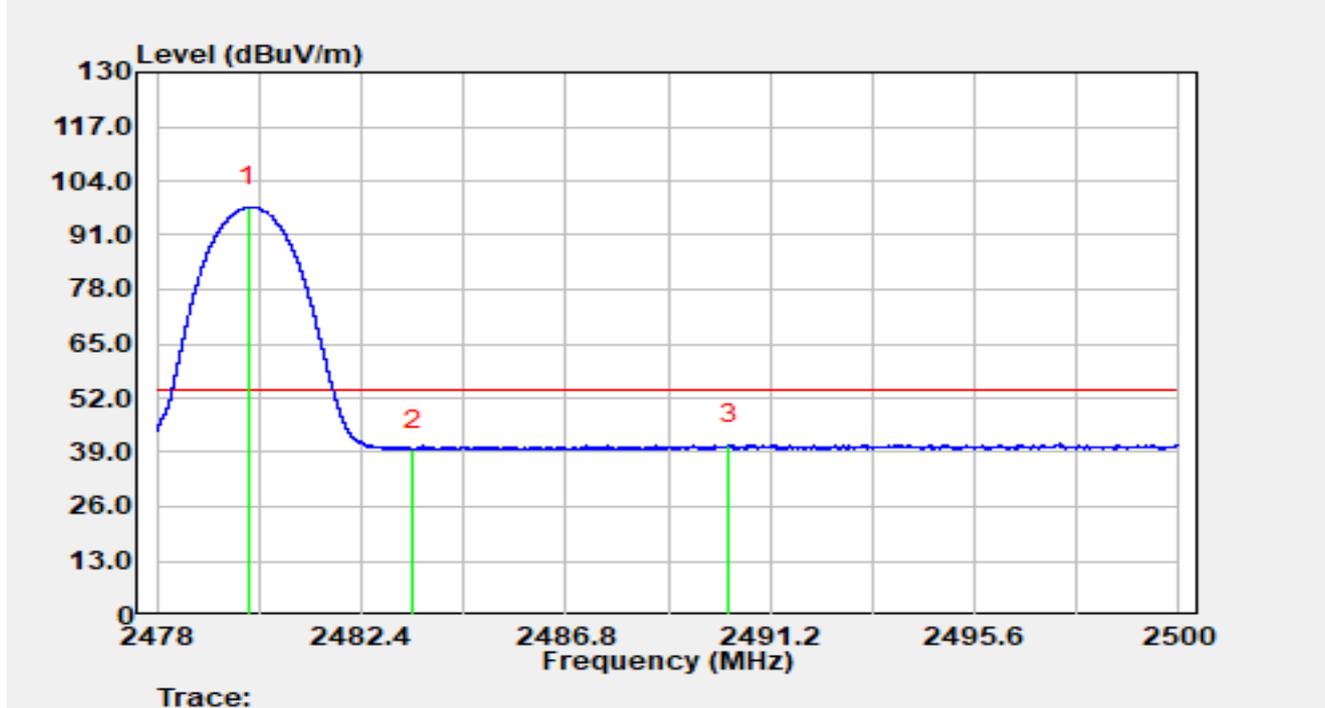


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2480.011	67.61	33.23	100.84	N/A	N/A	Peak
2		2483.500	21.06	33.25	54.31	-19.69	74.00	Peak
3	*	2486.639	24.86	33.27	58.13	-15.87	74.00	Peak

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC2	Test Date	2025-06-14
Temperature	22.3°C	Humidity	61.2%
Limit	FCC_Part15_Band Edge(3m)	Test Engineer	Fusco Pan
Factor	BBHA 9120D_02042	Polarity	Vertical
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 3DH5 at 2480MHz		



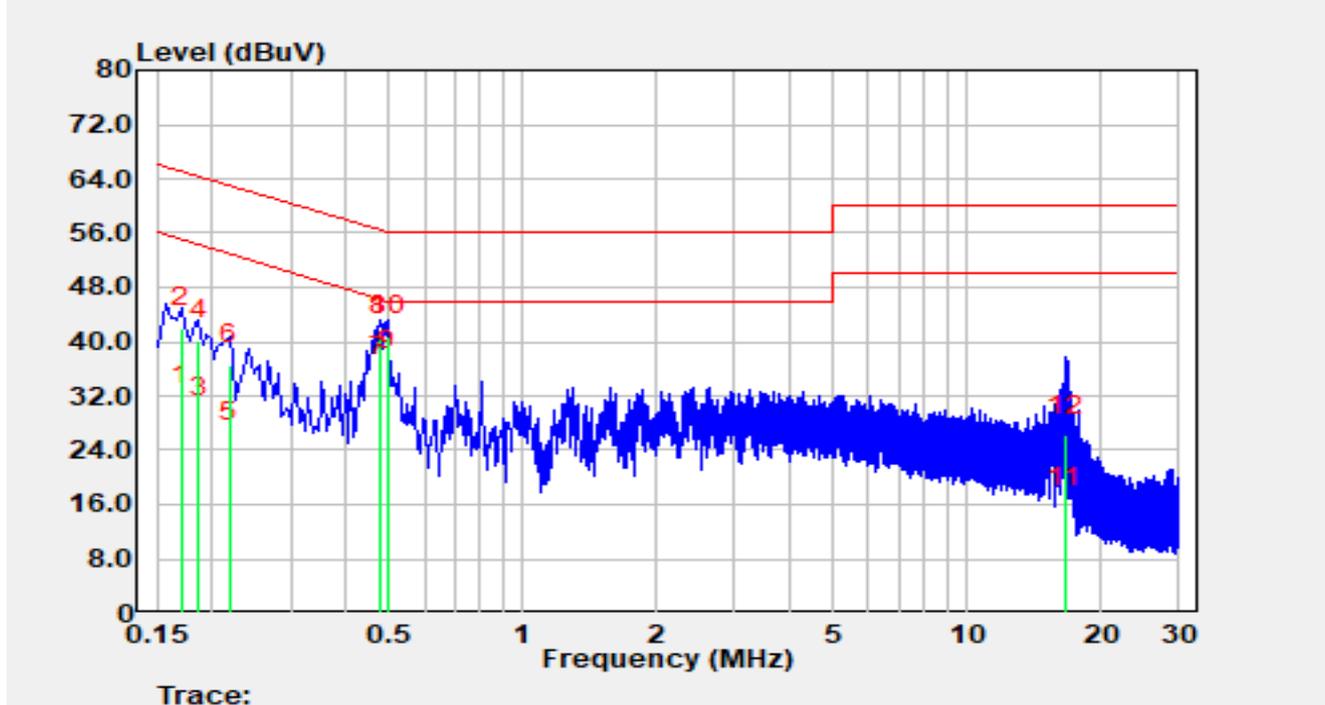
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		2479.969	64.44	33.23	97.67	N/A	N/A	Average
2		2483.500	6.46	33.25	39.71	-14.29	54.00	Average
3	*	2490.307	7.63	33.29	40.92	-13.08	54.00	Average

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

A.11 AC Conducted Emissions Test Result

Site	SIP-SR2	Test Date	2025-06-26
Temperature	22.8 °C	Humidity	59.7 %
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Poli Cai
Factor	ENV216_101684_E	Polarity	Line
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		

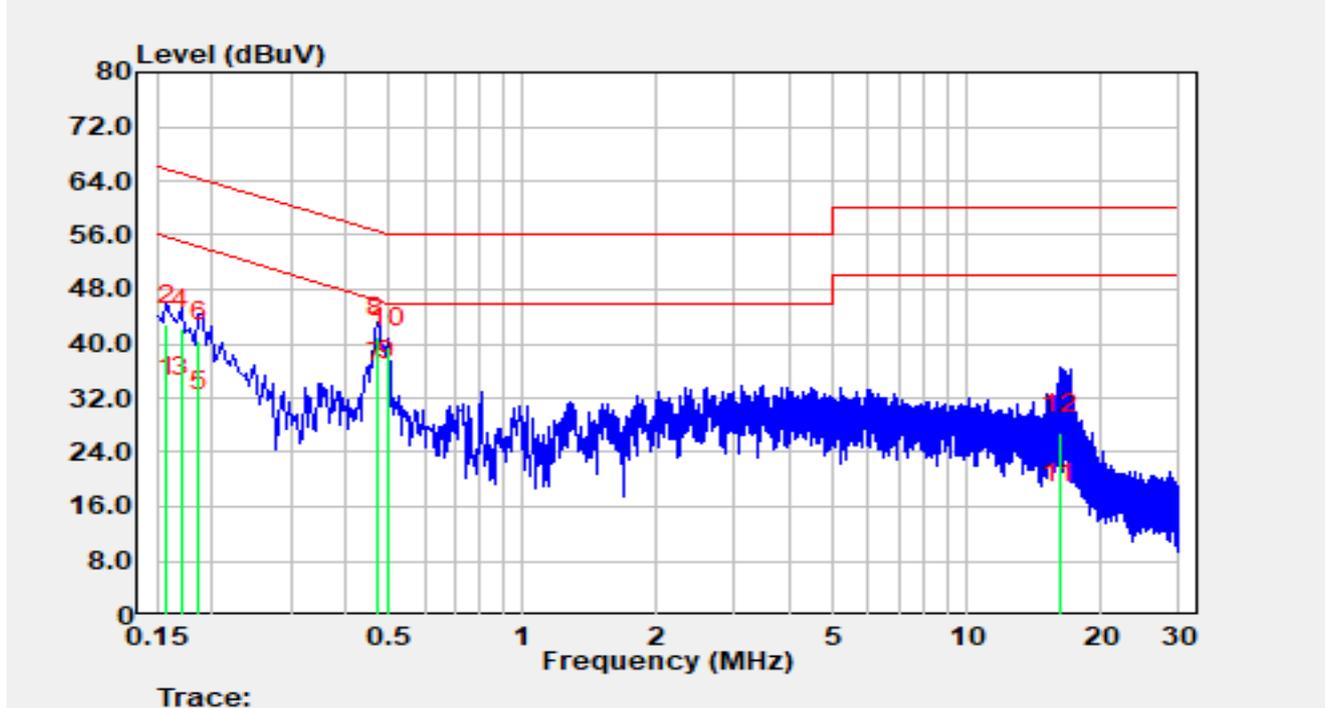


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.170	20.76	9.81	30.57	-24.40	54.96	Average
2		0.170	32.26	9.81	42.07	-22.89	64.96	QP
3		0.186	18.90	9.82	28.72	-25.49	54.21	Average
4		0.186	30.48	9.82	40.30	-23.91	64.21	QP
5		0.218	15.35	9.87	25.21	-27.68	52.89	Average
6		0.218	26.77	9.87	36.64	-26.26	62.89	QP
7		0.474	24.92	9.93	34.85	-11.59	46.44	Average
8		0.474	31.13	9.93	41.06	-15.39	56.44	QP
9	*	0.494	25.80	9.93	35.73	-10.37	46.10	Average
10		0.494	30.84	9.93	40.77	-15.33	56.10	QP
11		16.620	4.19	11.26	15.44	-34.56	50.00	Average
12		16.620	14.94	11.26	26.19	-33.81	60.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Site	SIP-SR2	Test Date	2025-06-26
Temperature	22.8 °C	Humidity	59.7 %
Limit	FCC Part 15.207_CE_Mains	Test Engineer	Poli Cai
Factor	ENV216_101684_E	Polarity	Neutral
EUT	ES1 (B)	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by DH5 at 2441MHz		



No	Mark	Frequency (MHz)	Reading (dB μ V)	C.F (dB)	Measurement (dB μ V)	Margin (dB)	Limit (dB μ V)	Detector
1		0.158	22.43	9.81	32.24	-23.33	55.57	Average
2		0.158	33.05	9.81	42.86	-22.71	65.57	QP
3		0.170	22.39	9.81	32.20	-22.76	54.96	Average
4		0.170	32.37	9.81	42.18	-22.78	64.96	QP
5		0.186	20.25	9.82	30.07	-24.15	54.21	Average
6		0.186	30.55	9.82	40.36	-23.85	64.21	QP
7		0.470	24.43	9.90	34.33	-12.18	46.51	Average
8		0.470	31.05	9.90	40.95	-15.57	56.51	QP
9	*	0.494	24.68	9.90	34.58	-11.52	46.10	Average
10		0.494	29.62	9.90	39.52	-16.58	56.10	QP
11		16.170	5.35	11.25	16.60	-33.40	50.00	Average
12		16.170	15.48	11.25	26.73	-33.27	60.00	QP

Notes:

1. "*" indicates the worst-case emission level observed during the measurement.

2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dB μ V) = Reading (dB μ V) + C.F (dB).

Appendix B - Test Setup Photograph

Refer to "R25S1059057-UT" file.

Appendix C - EUT Photograph

Refer to "R25S1059057-UE" file.

————— The End —————