



Appendix for Testreport

Appendix A: DTS (6 dB) Bandwidth

Void

Appendix B: Occupied Bandwidth

Void

Appendix C: Duty Cycle

Void

Appendix D: Maximum Conducted Average Output Power

Void

Appendix E: Maximum Power Spectral Density Level

Void

Appendix F: Band Edges Compliance

Void

Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

Void

Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note: Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

We tested all modes, but the data presented below is the worst case.

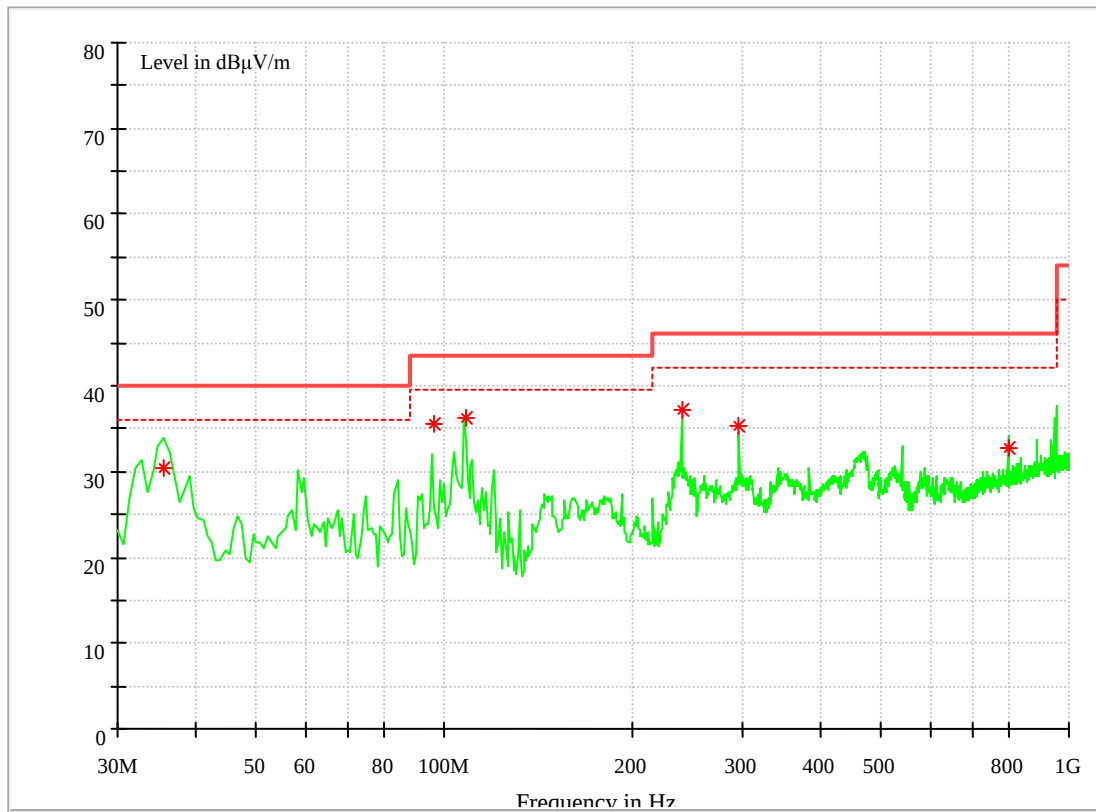
Part 1: Testing Range of “9 kHz to 30MHz”

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

Part 2: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.

Note 2: **The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).**



MEASUREMENT RESULT: QP Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
35.613143	30.38	40.00	-9.62	100.0	VERTICAL	279.0	14.6
96.001429	35.47	43.50	-8.03	393.0	HORIZONTAL	193.0	12.9
108.004571	36.18	43.50	-7.32	266.0	HORIZONTAL	165.0	13.3
240.000857	37.22	46.00	-8.78	119.0	HORIZONTAL	231.0	13.9
296.696857	35.28	46.00	-10.72	109.0	HORIZONTAL	212.0	15.3
799.400572	32.66	46.00	-13.34	119.0	HORIZONTAL	283.0	23.8

Note:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Part 3: Testing Range of “18 GHz to 26.5 GHz”

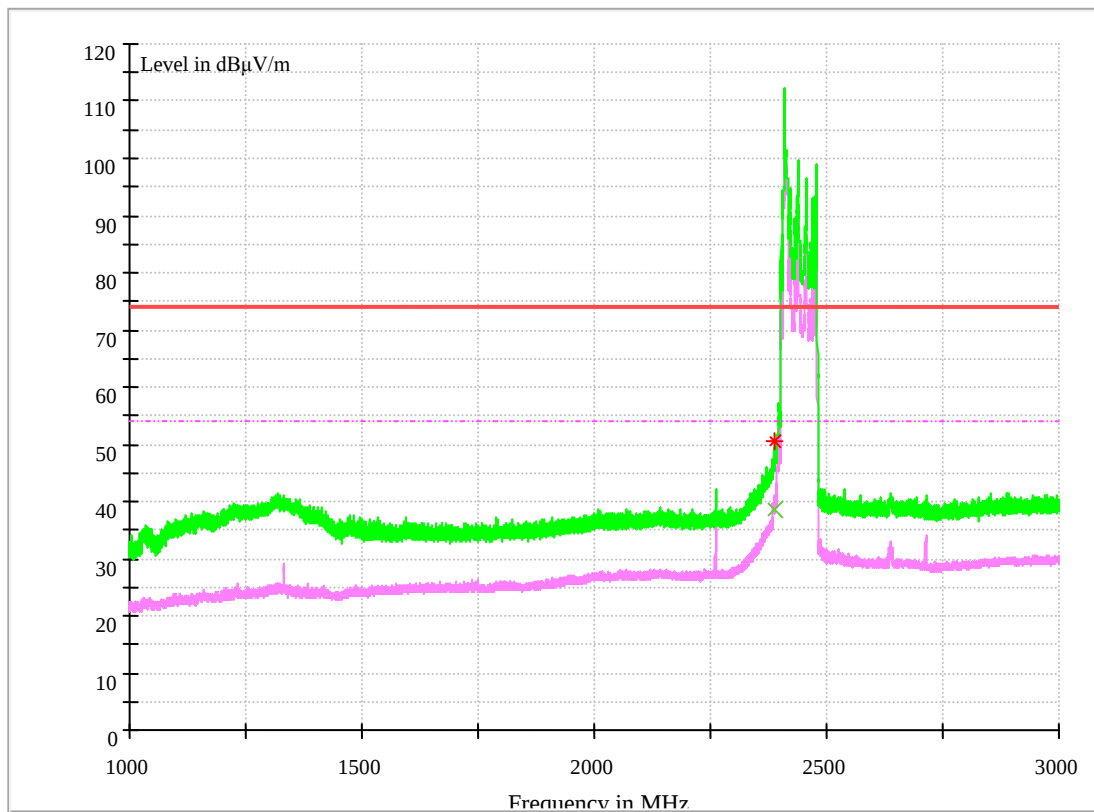
NOTE1: No peak found in the Test Range of “18 GHz to 26.5GHz”

Part 4: Testing Range of “1GHz to 3GHz”

- Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.
- Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).
- Note 3: The peak spike exceeds the limit line is EUT's operating frequency.

Test Mode: 11b

Channel 1@Ant1



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	50.70	74.00	-23.30	129.0	VERTICAL	92.0	-7.8

MEASUREMENT RESULT: AV Detector

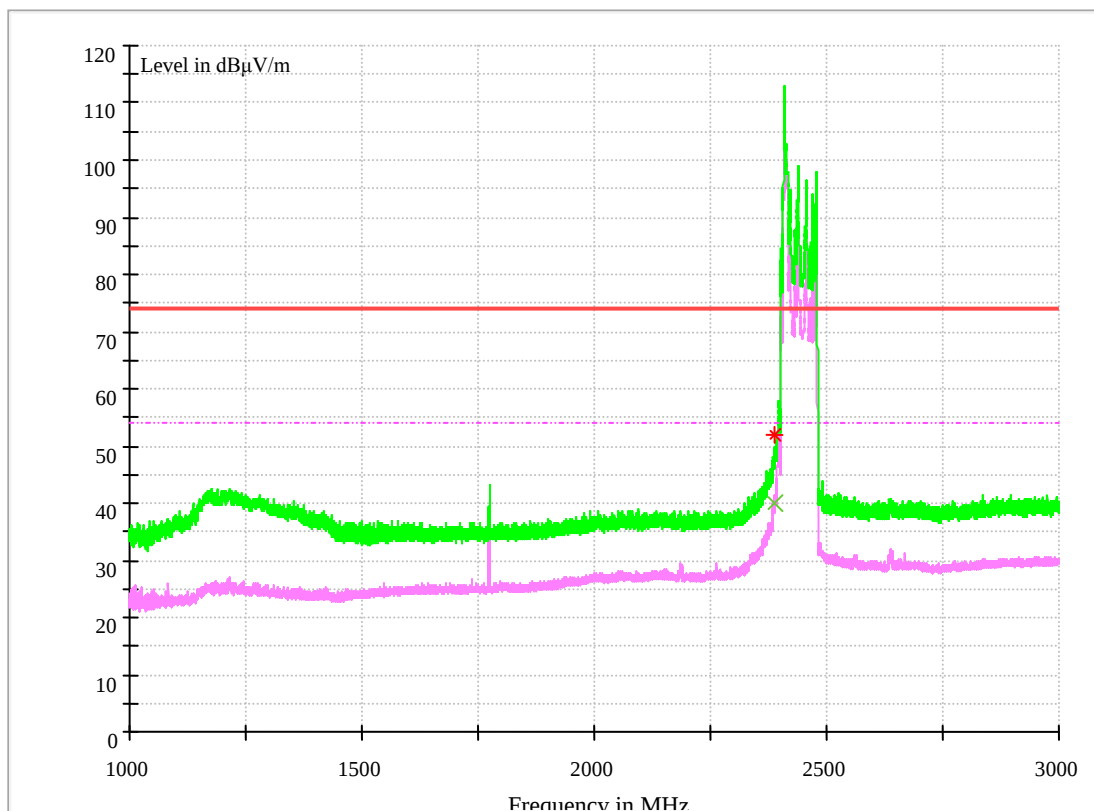
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	38.59	54.00	-15.41	100.0	VERTICAL	92.0	-7.8

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 1@Ant2



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	51.82	74.00	-22.18	100.0	VERTICAL	275.0	-7.8

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	39.98	54.00	-14.02	100.0	VERTICAL	276.0	-7.8

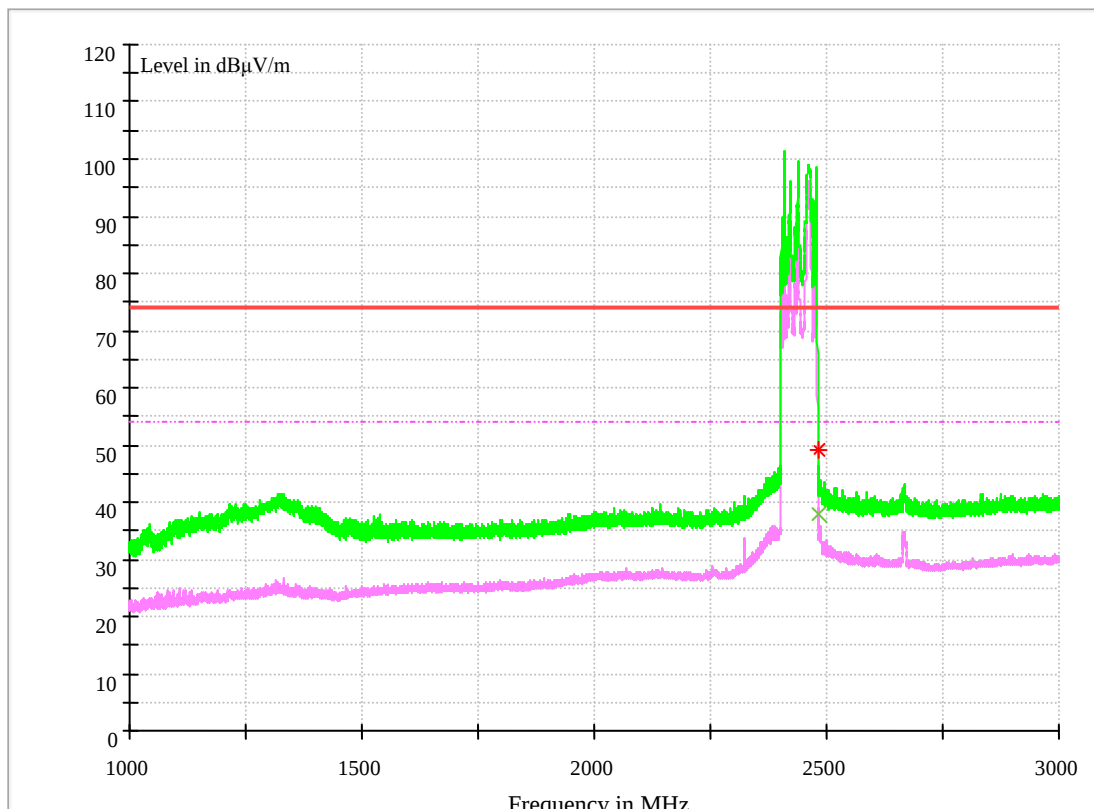
Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11@Ant1

Full Spectrum



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	49.15	74.00	-24.85	100.0	HORIZONTAL	249.0	-5.4

MEASUREMENT RESULT: AV Detector

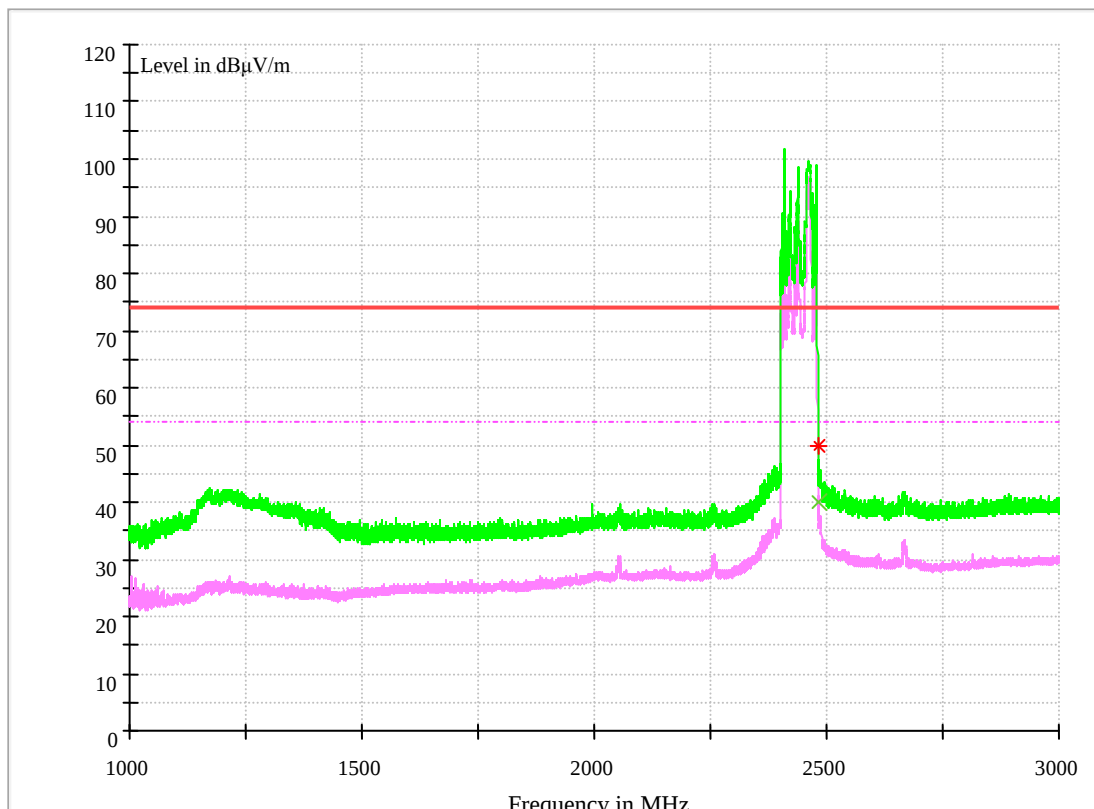
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	38.00	54.00	-16.00	100.0	HORIZONTAL	255.0	-5.4

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11@Ant2



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	49.99	74.00	-24.01	100.0	VERTICAL	183.0	-5.4

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	40.17	54.00	-13.83	100.0	VERTICAL	184.0	-5.4

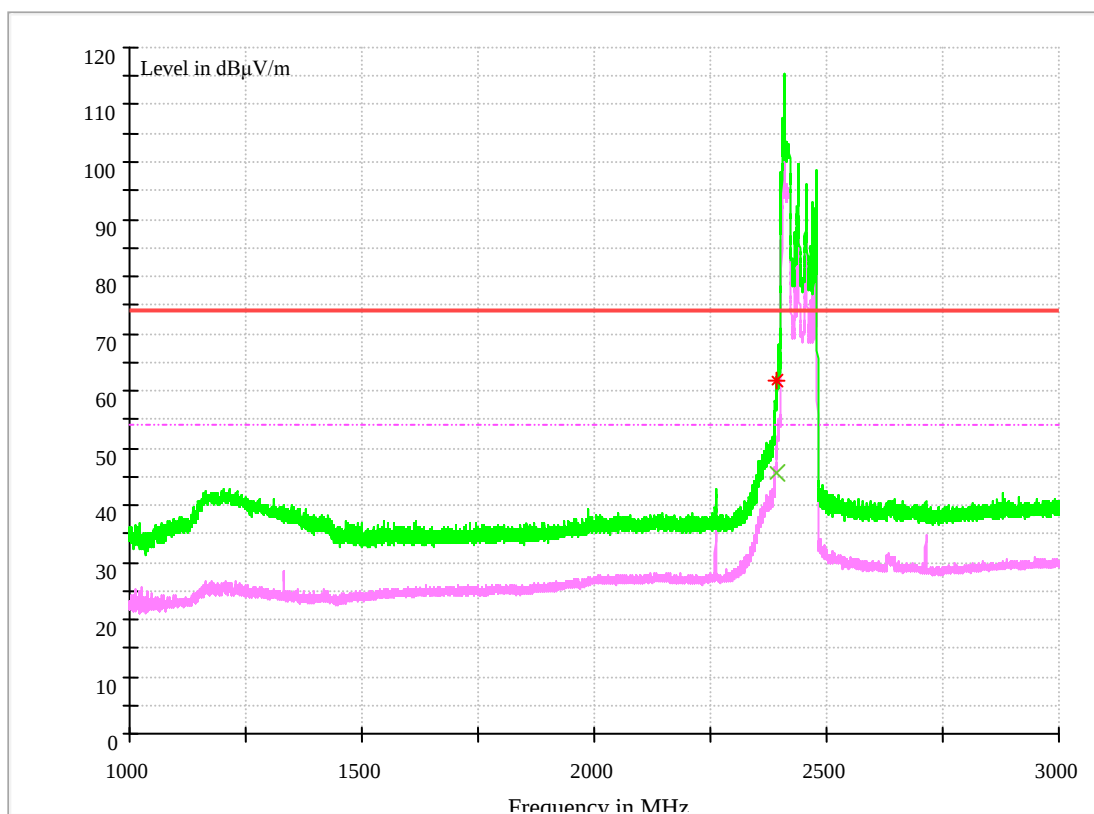
Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Test Mode: 11g

Channel 1@Ant1



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	61.91	74.00	-12.09	100.0	HORIZONTAL	254.0	-7.8

MEASUREMENT RESULT: AV Detector

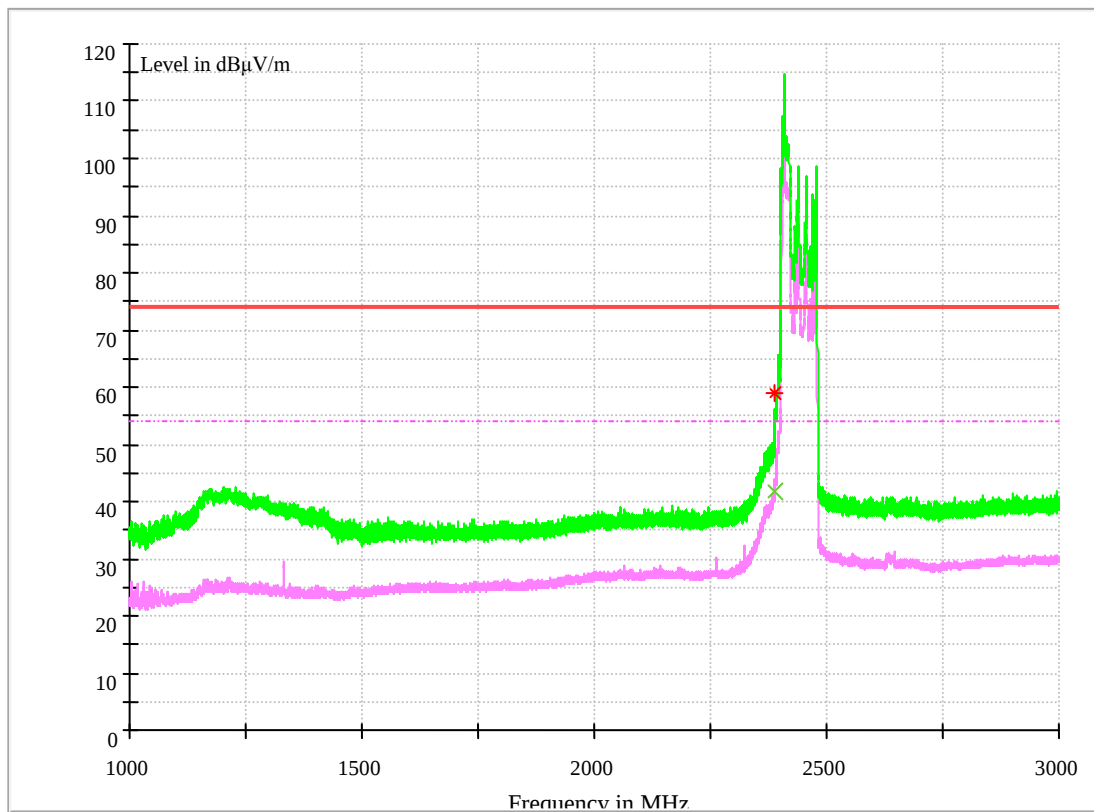
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	45.74	54.00	-8.26	100.0	HORIZONTAL	254.0	-7.8

Note2:

Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 1@Ant2



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	58.93	74.00	-15.07	126.0	VERTICAL	260.0	-7.8

MEASUREMENT RESULT: AV Detector

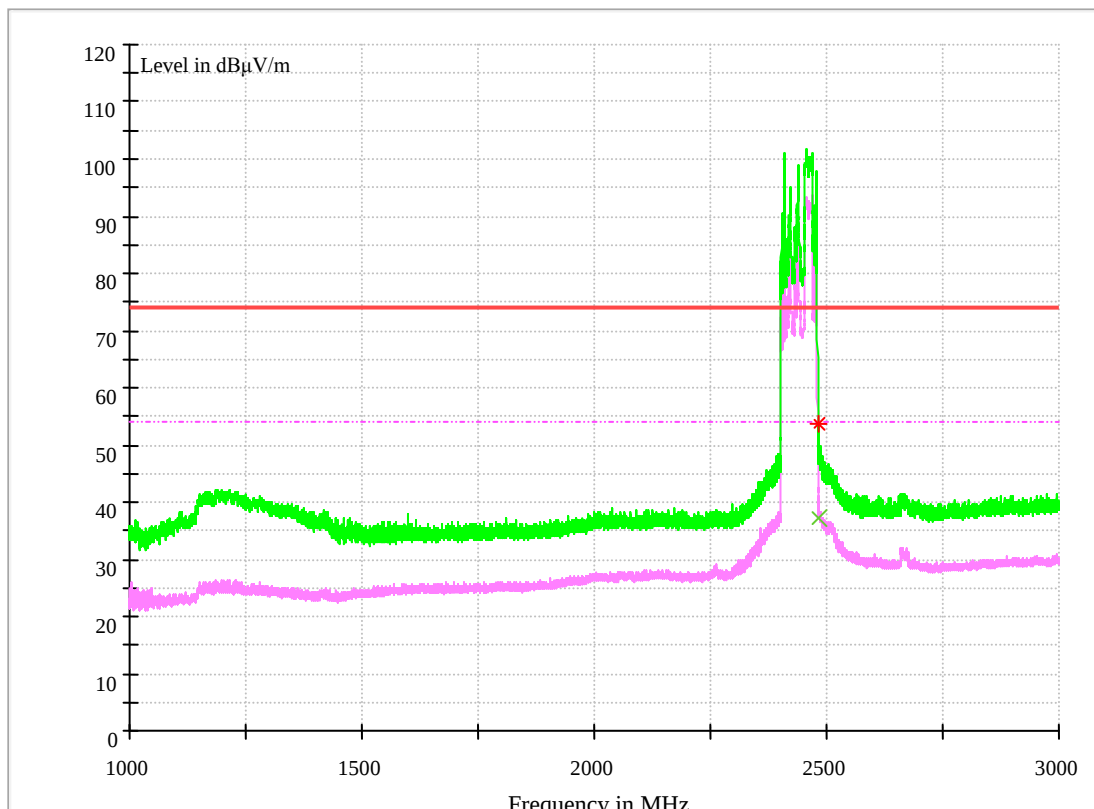
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	41.86	54.00	-12.14	100.0	VERTICAL	272.0	-7.8

Note2:

Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11@Ant1



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	53.85	74.00	-20.15	100.0	VERTICAL	146.0	-5.4

MEASUREMENT RESULT: AV Detector

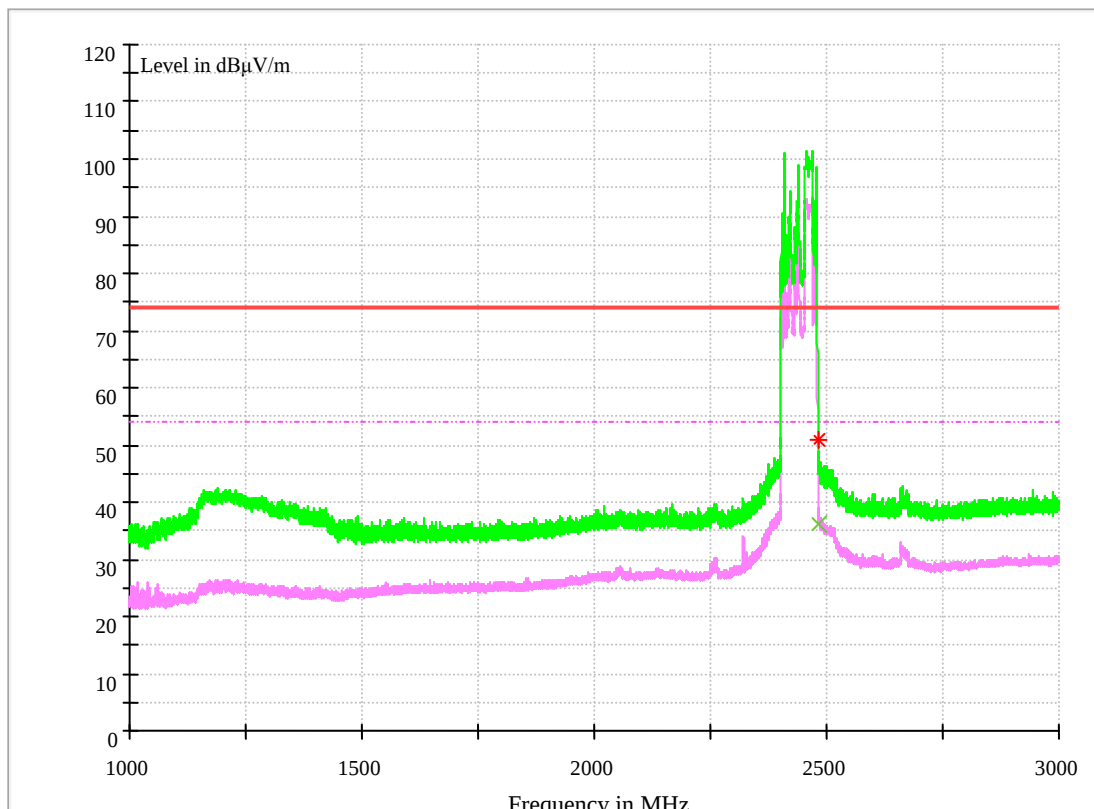
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	37.1	54.00	-16.09	100.0	VERTICAL	149.0	-5.4

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11@Ant2



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	51.00	74.00	-23.00	100.0	VERTICAL	289.0	-5.4

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	36.05	54.00	-17.95	100.0	VERTICAL	181.0	-5.4

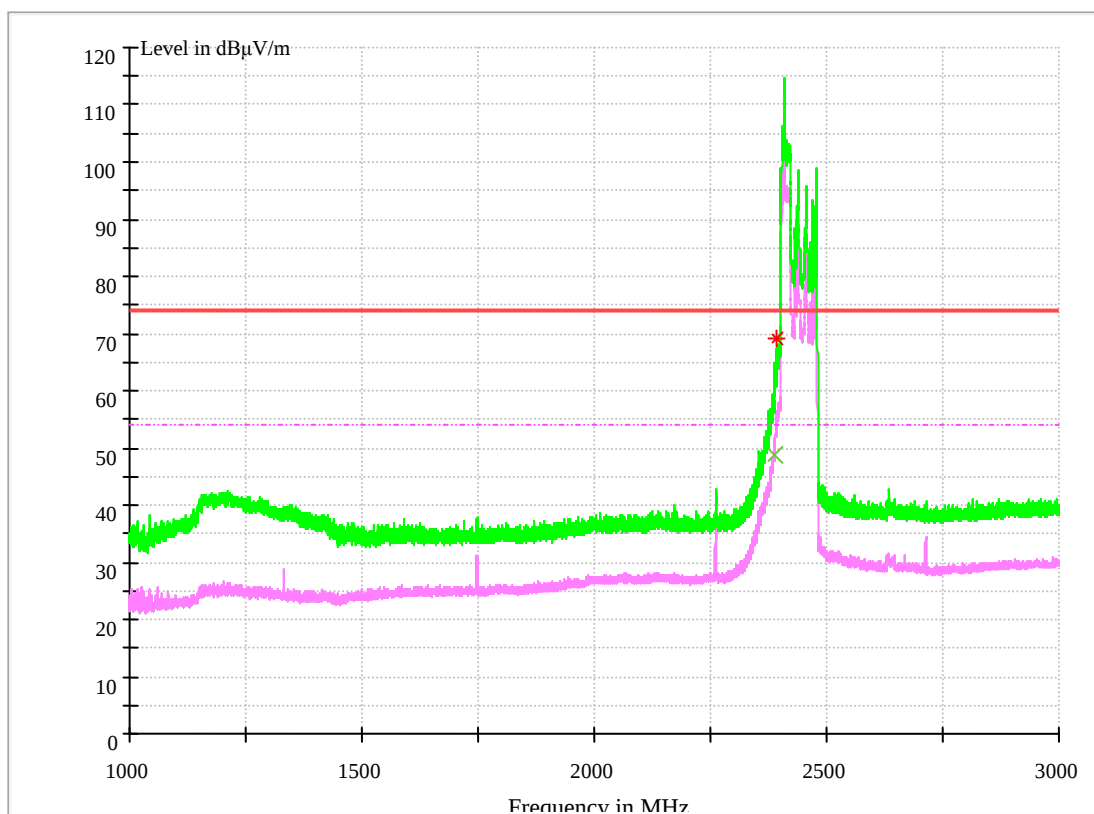
Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Test Mode: 11N20SISO

Channel 1@Ant1



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	69.27	74.00	-4.73	148.0	HORIZONTAL	81.0	-7.8

MEASUREMENT RESULT: AV Detector

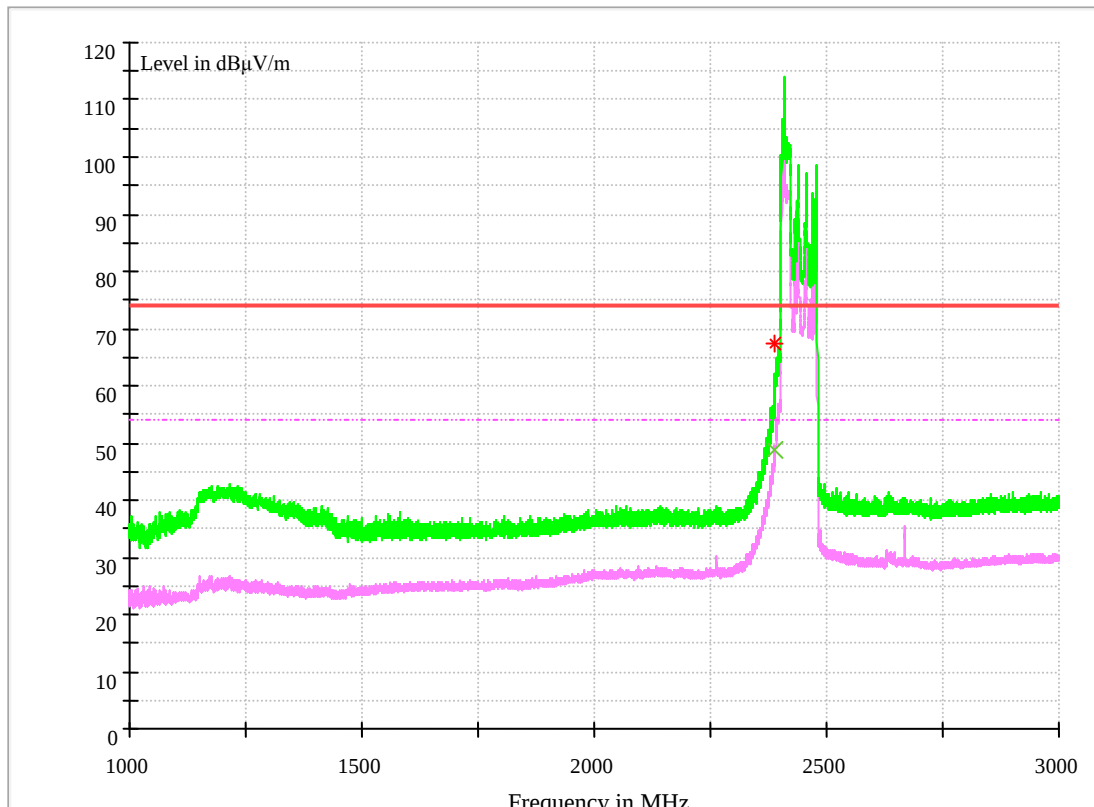
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	48.93	54.00	-5.07	100.0	HORIZONTAL	263.0	-7.8

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 1@Ant2



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	67.52	74.00	-6.48	126.0	VERTICAL	269.0	-7.8

MEASUREMENT RESULT: AV Detector

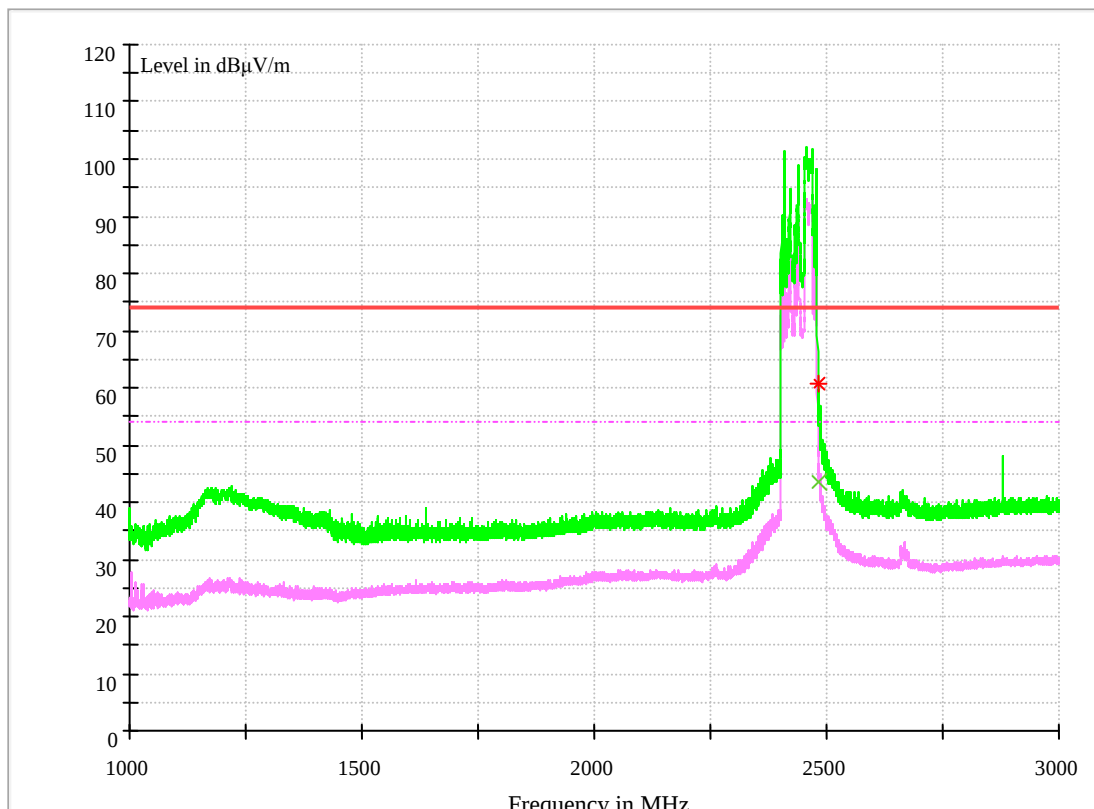
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	48.74	54.00	-5.26	100.0	VERTICAL	271.0	-7.8

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11@Ant1



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	60.57	74.00	-13.43	100.0	VERTICAL	145.0	-5.4

MEASUREMENT RESULT: AV Detector

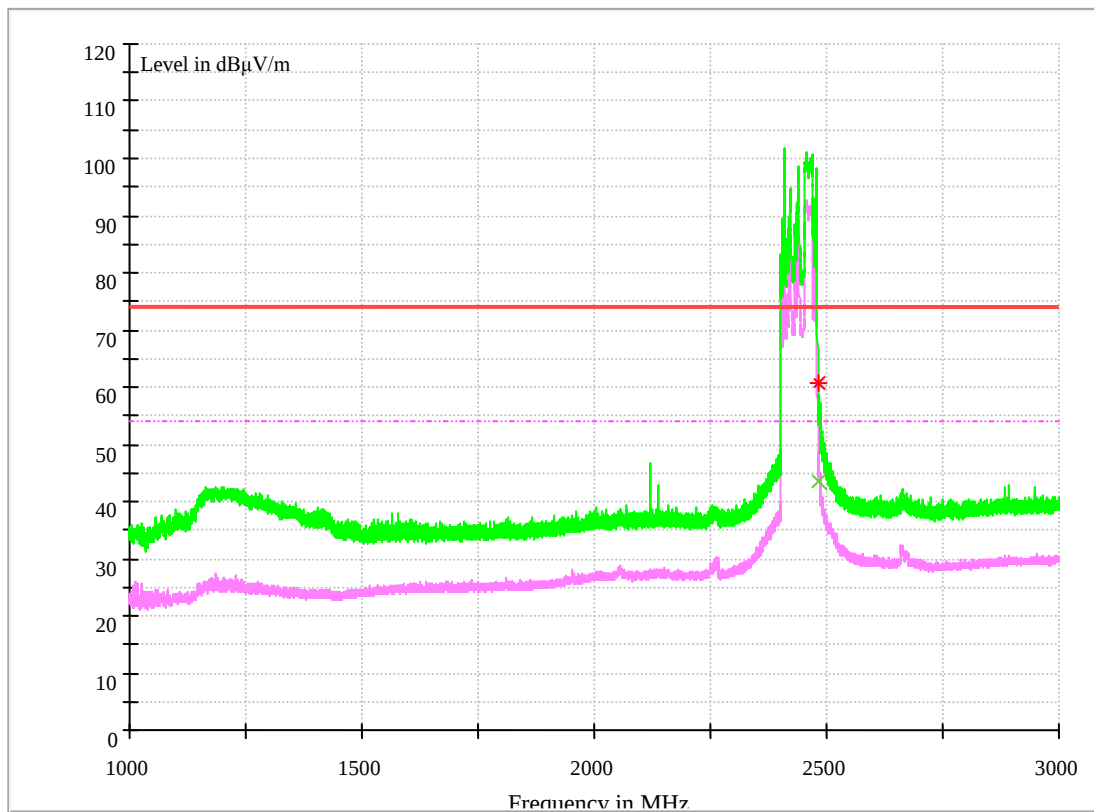
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	43.6	54.00	-10.04	100.0	VERTICAL	149.0	-5.4

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11@Ant2



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	60.57	74.00	-13.43	150.0	VERTICAL	122.0	-5.4

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	43.60	54.00	-10.40	146.0	VERTICAL	125.0	-5.4

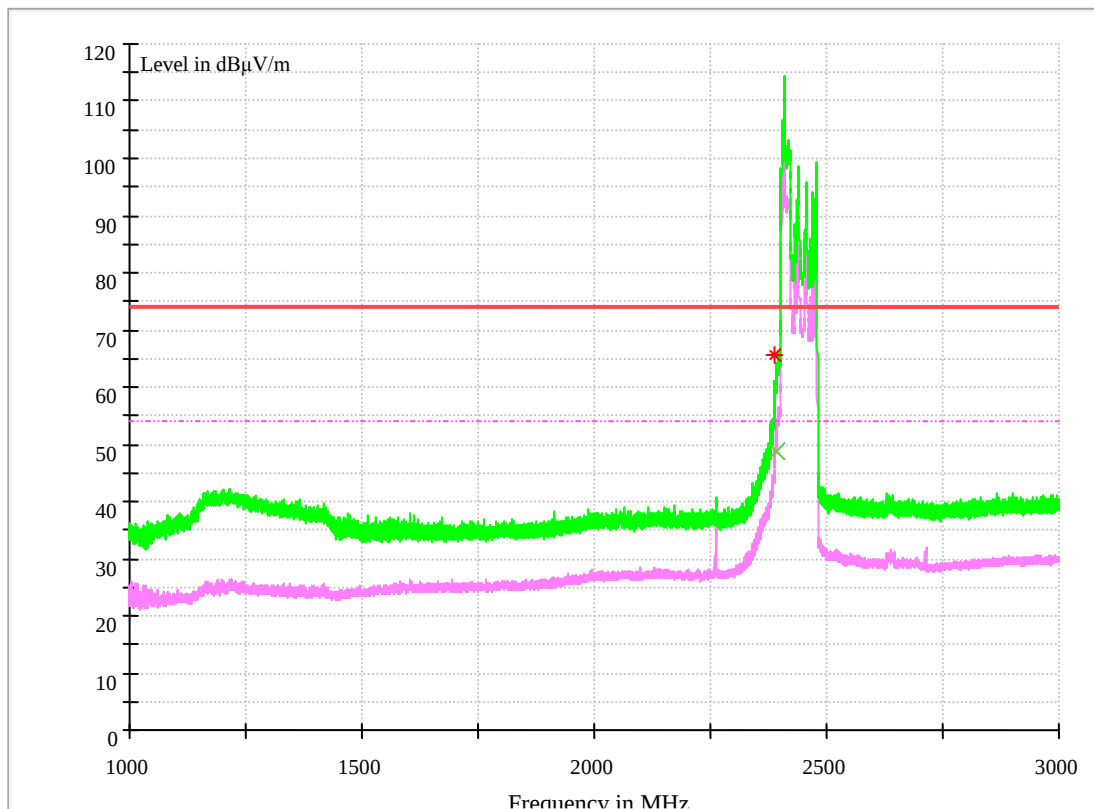
Note2:

Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Test Mode: 11N20MIMO

Channel 1



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	65.46	74.00	-8.54	100.0	VERTICAL	265.0	-7.8

MEASUREMENT RESULT: AV Detector

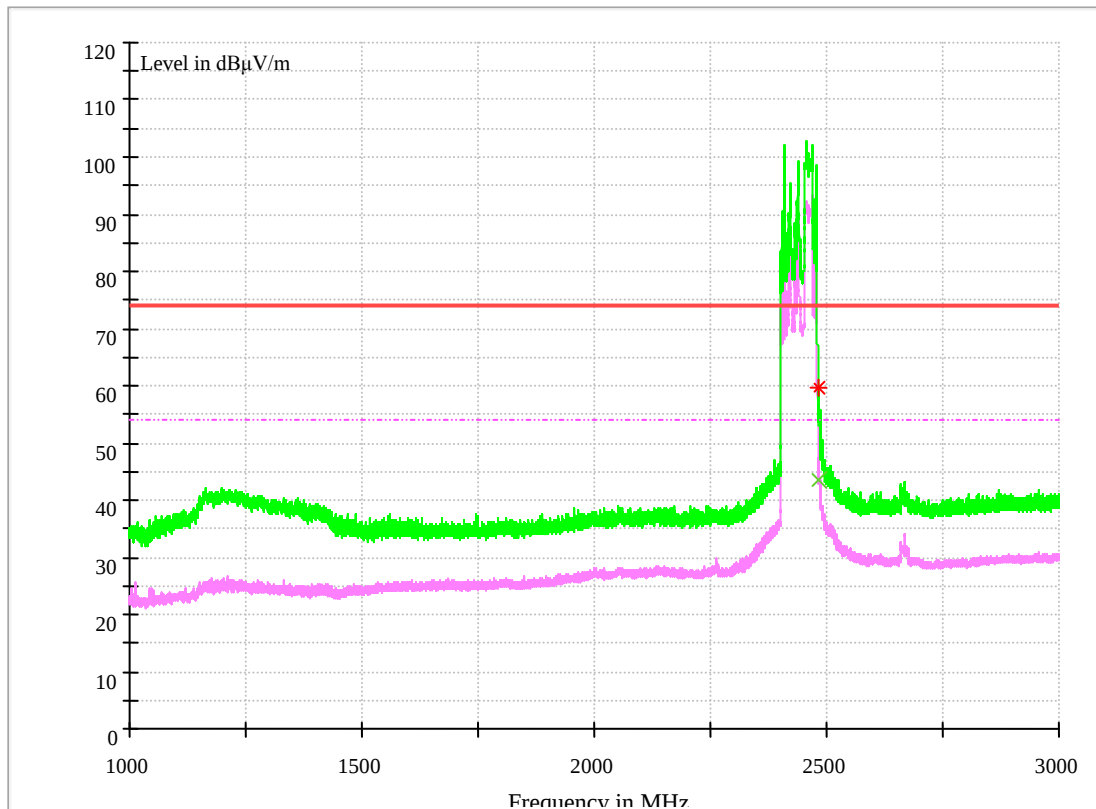
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2390.000000	48.67	54.00	-5.33	100.0	VERTICAL	265.0	-7.8

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Channel 11



Note1: The peak exceeds the limit line is carrier frequency.

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	59.7	74.00	-14.30	100.0	VERTICAL	178.0	-5.4

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarisation	Azimuth (deg)	Transd (dB)
2483.500000	43.4	54.00	-10.60	100.0	VERTICAL	145.0	-5.4

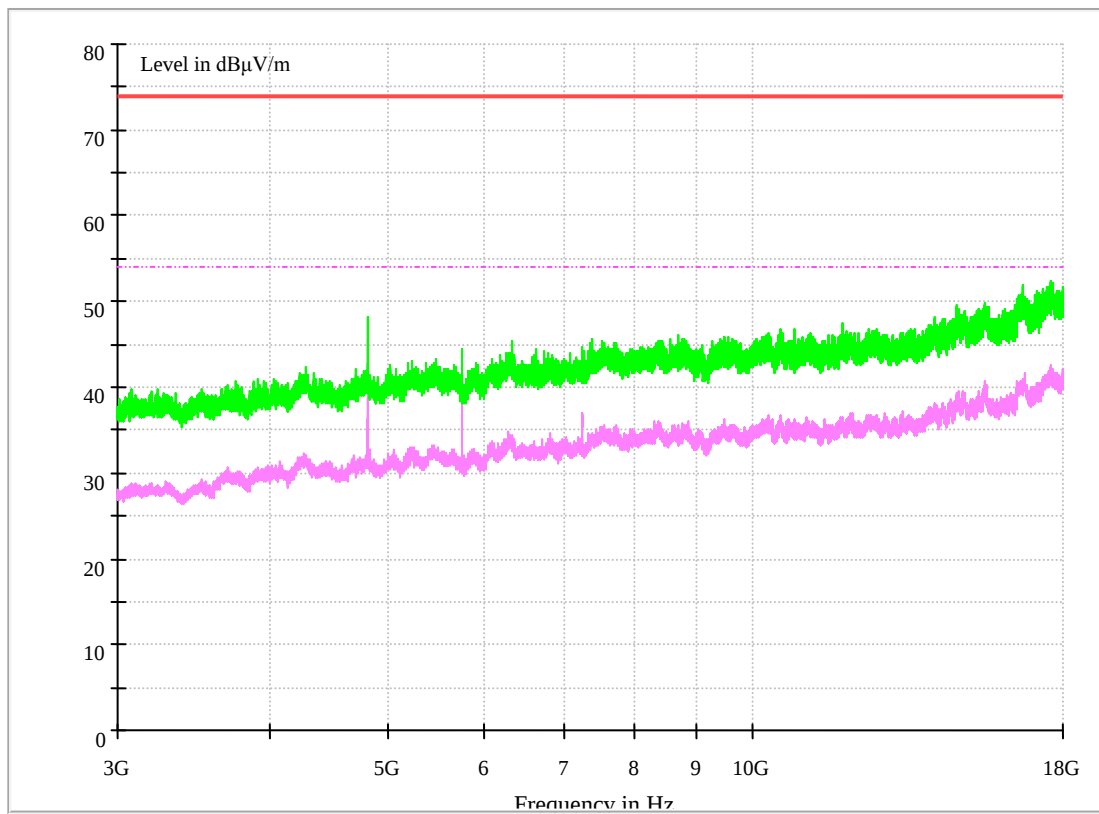
Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

Part 5: Testing Range of “3 GHz to 18 GHz”

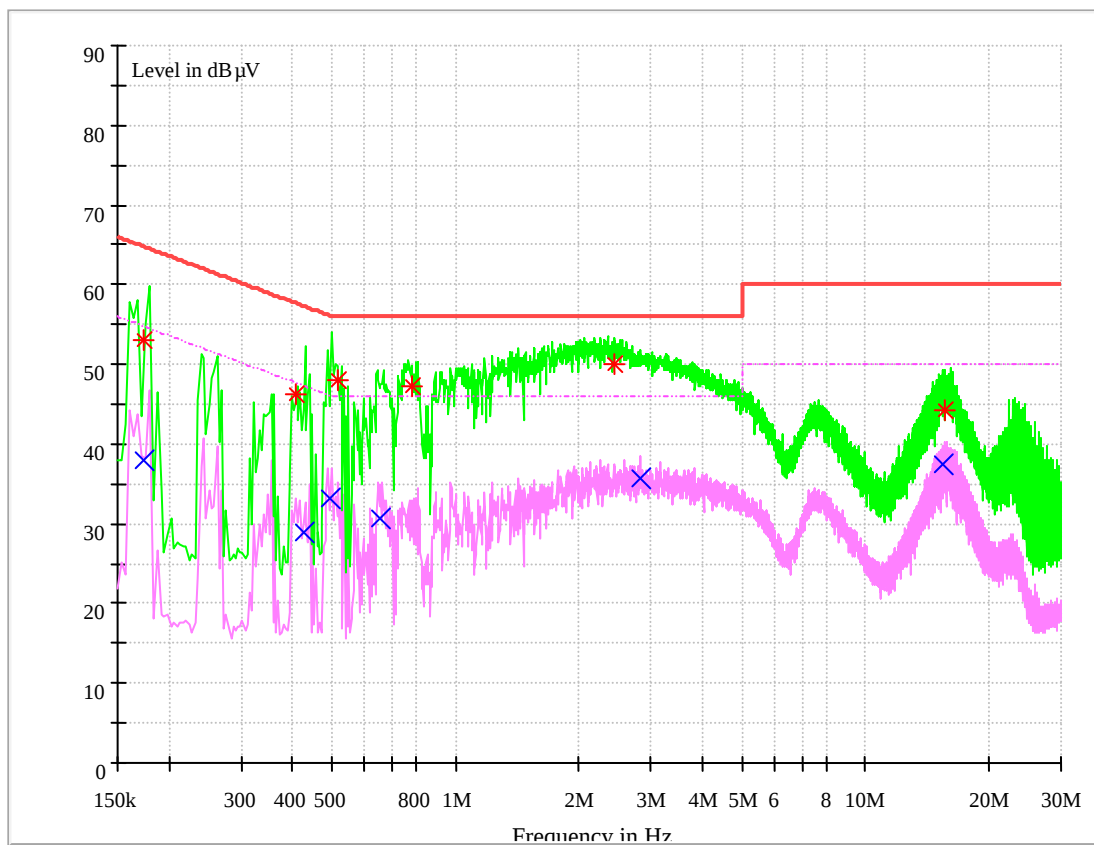
- Note 1: The test results and plot for testing range of “3 GHz to 18 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “3 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).



Appendix I: Conducted Emission at Power Port

Note1: RBW =9 kHz, VBW = 30 kHz

Channel 6



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Limit dBμV	Transd dB	Margin dB	Line	PE
0.172972	52.97	64.82	9.7	-11.85	N	FLO
0.406037	46.22	57.73	9.7	-11.51	N	FLO
0.517235	48.01	56.00	9.7	-7.99	N	FLO
0.783874	47.22	56.00	9.7	-8.78	L1	FLO
2.441634	50.09	56.00	9.8	-5.91	L1	FLO
15.567799	44.23	60.00	10.1	-15.77	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV	Limit dBμV	Transd dB	Margin dB	Line dBμV	PE
0.173161	37.95	54.81	9.7	-16.85	N	FLO
0.428557	28.82	47.28	9.7	-18.46	N	FLO
0.493911	33.14	46.1	9.7	-12.96	N	FLO
0.656677	30.66	46.00	9.7	-15.34	L1	FLO
2.823450	35.79	46.00	9.8	-10.21	L1	FLO
15.482406	37.44	50.00	10.1	-12.56	L1	FLO

Note2:

Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

END