





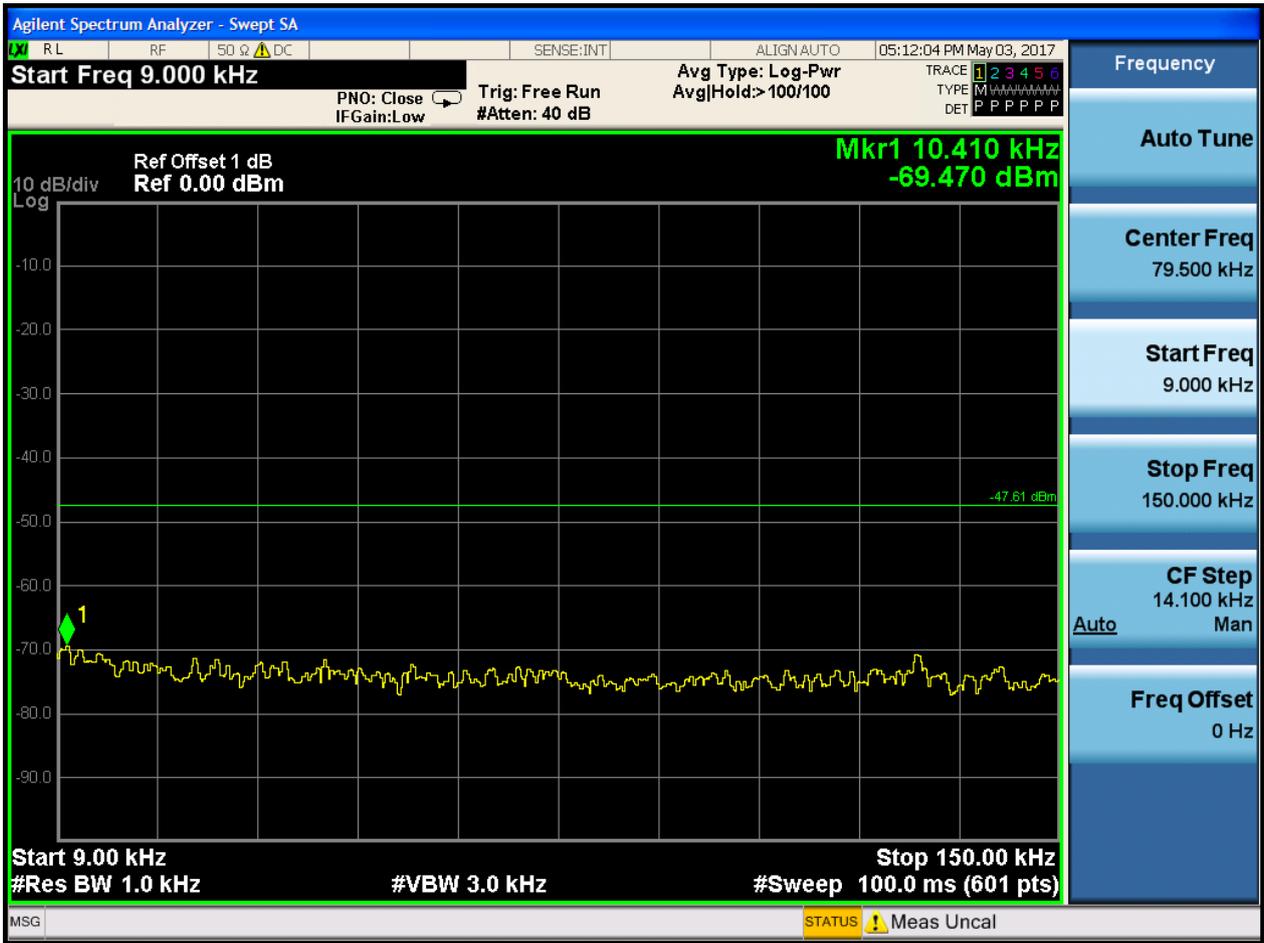
2.9 11N20_H@Ant 1

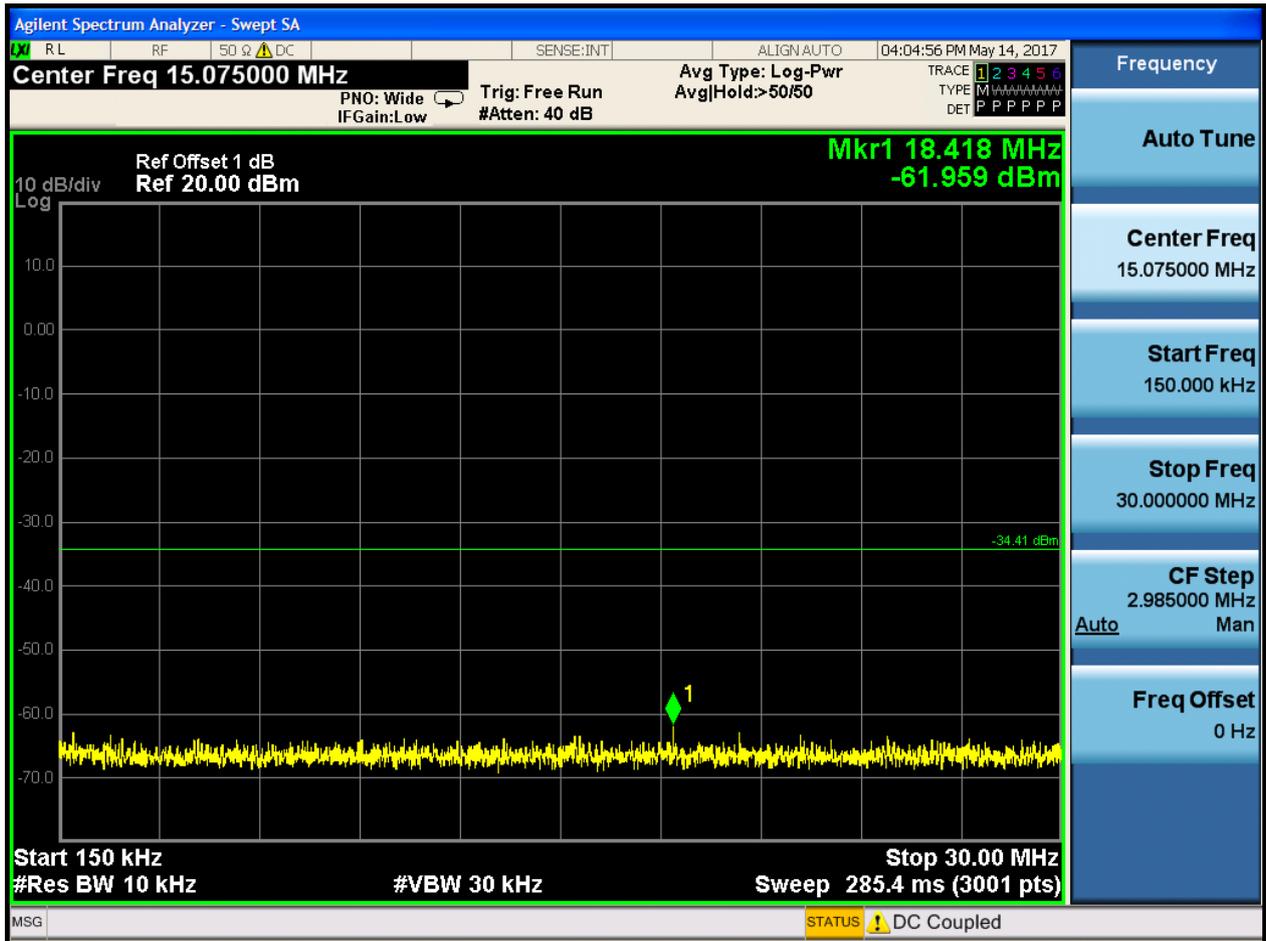
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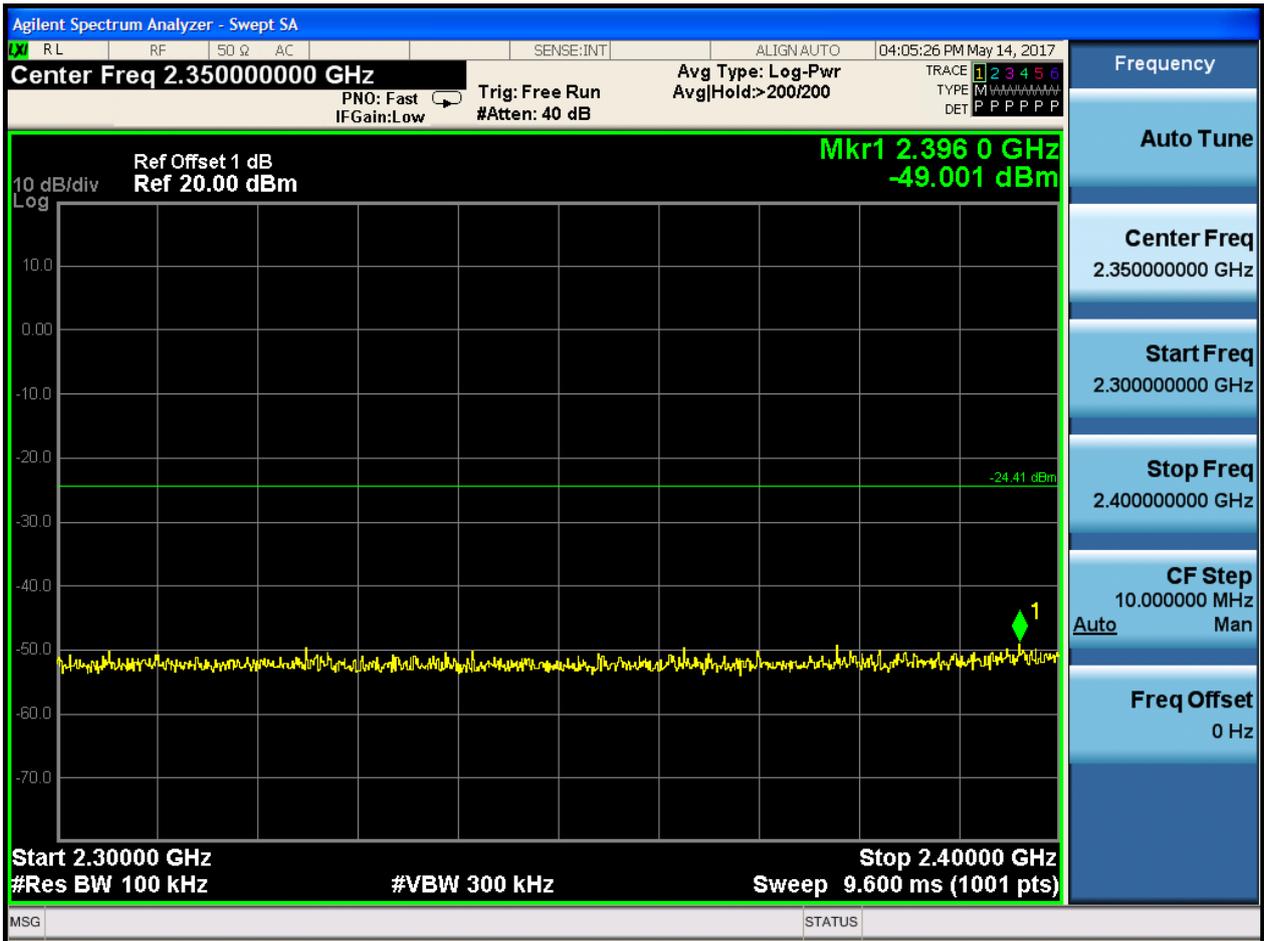


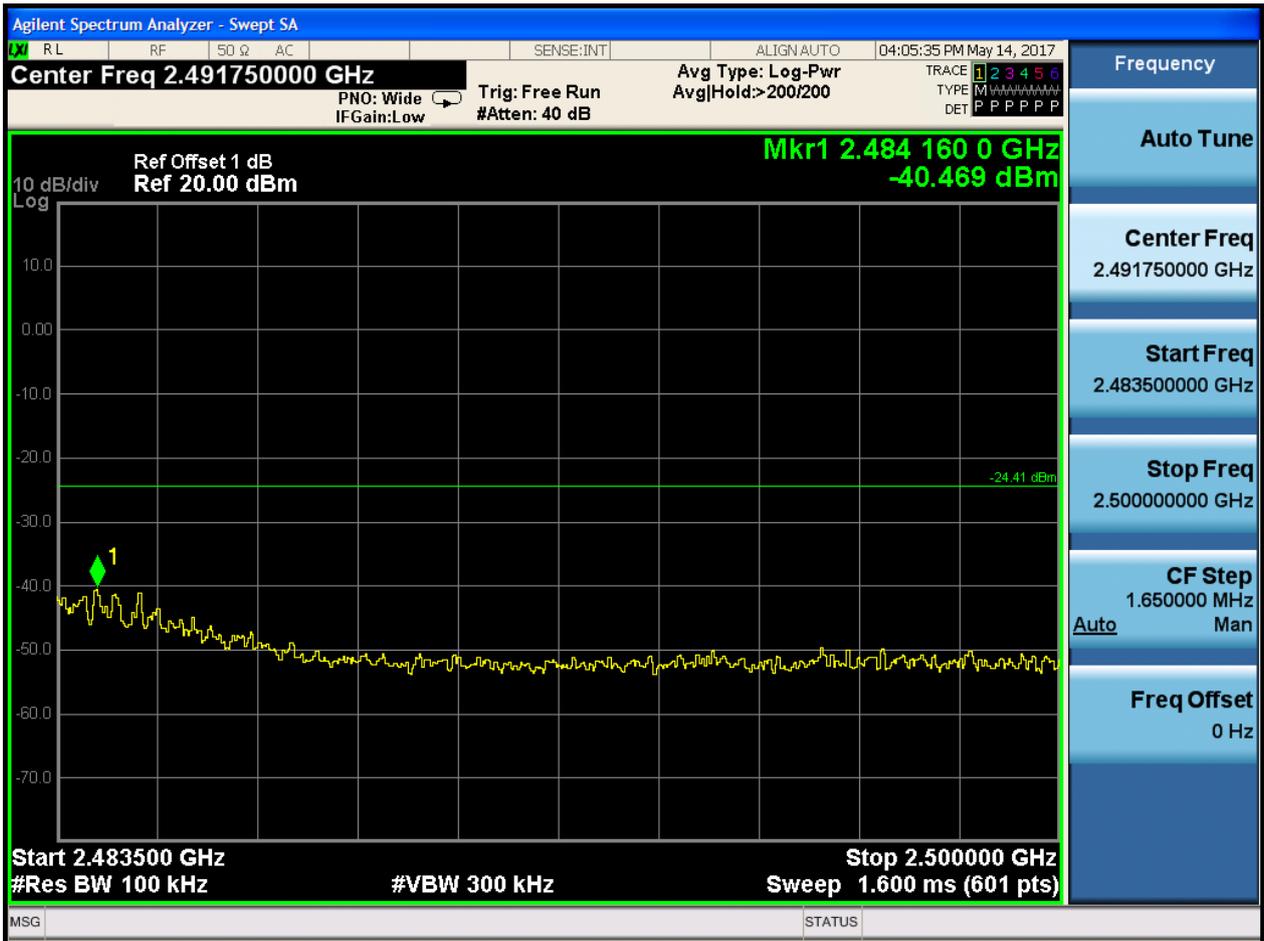
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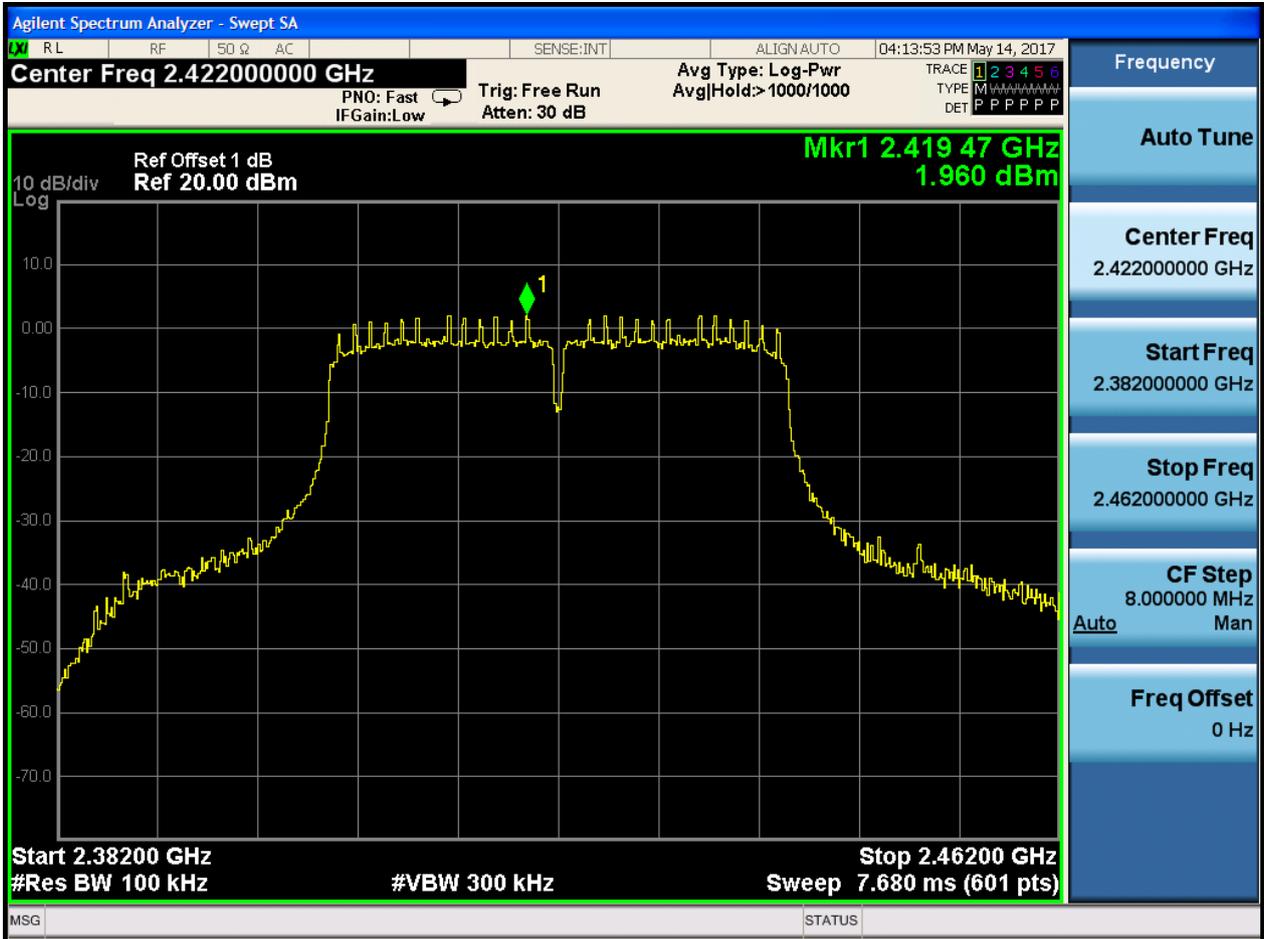






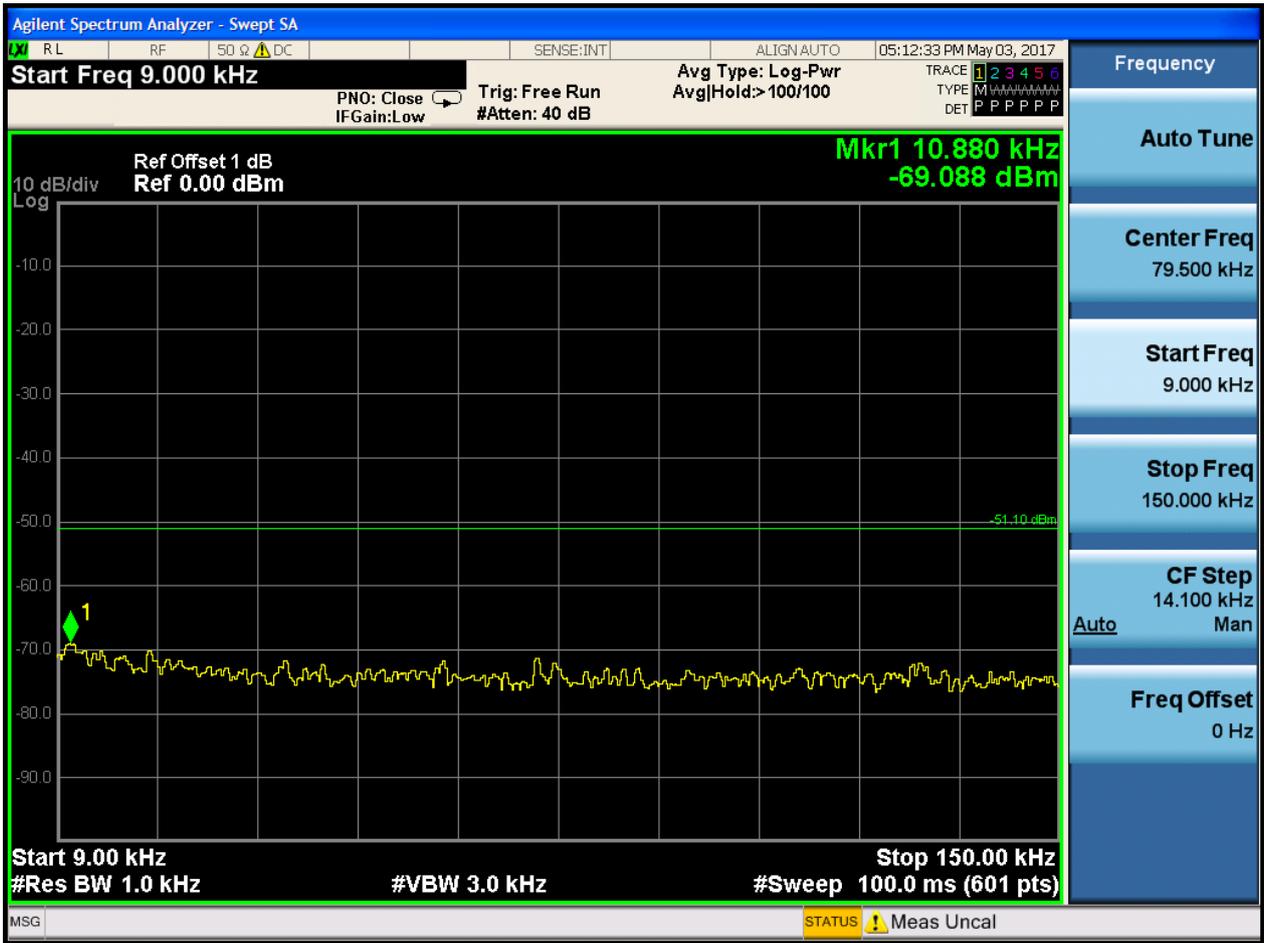
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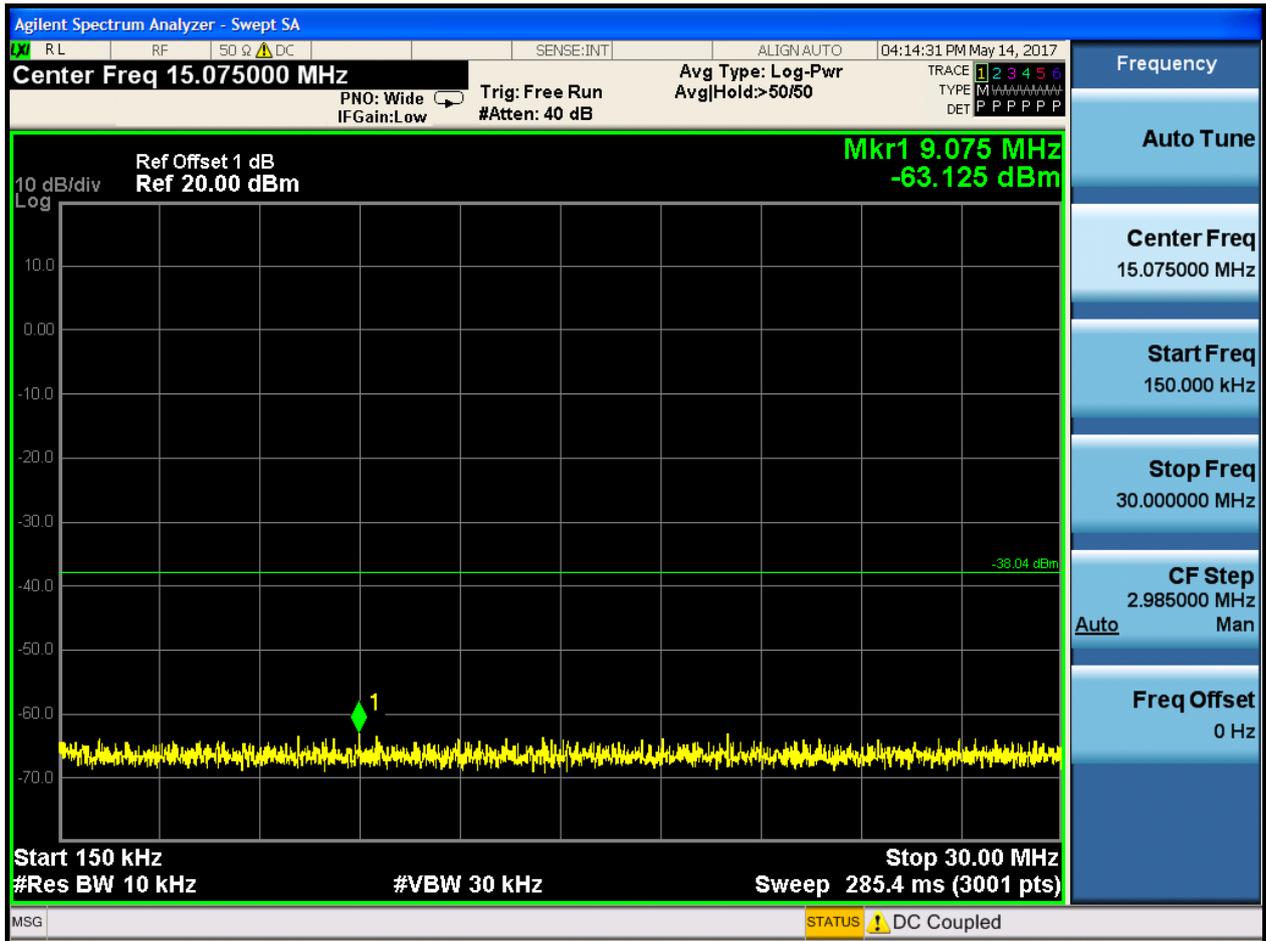
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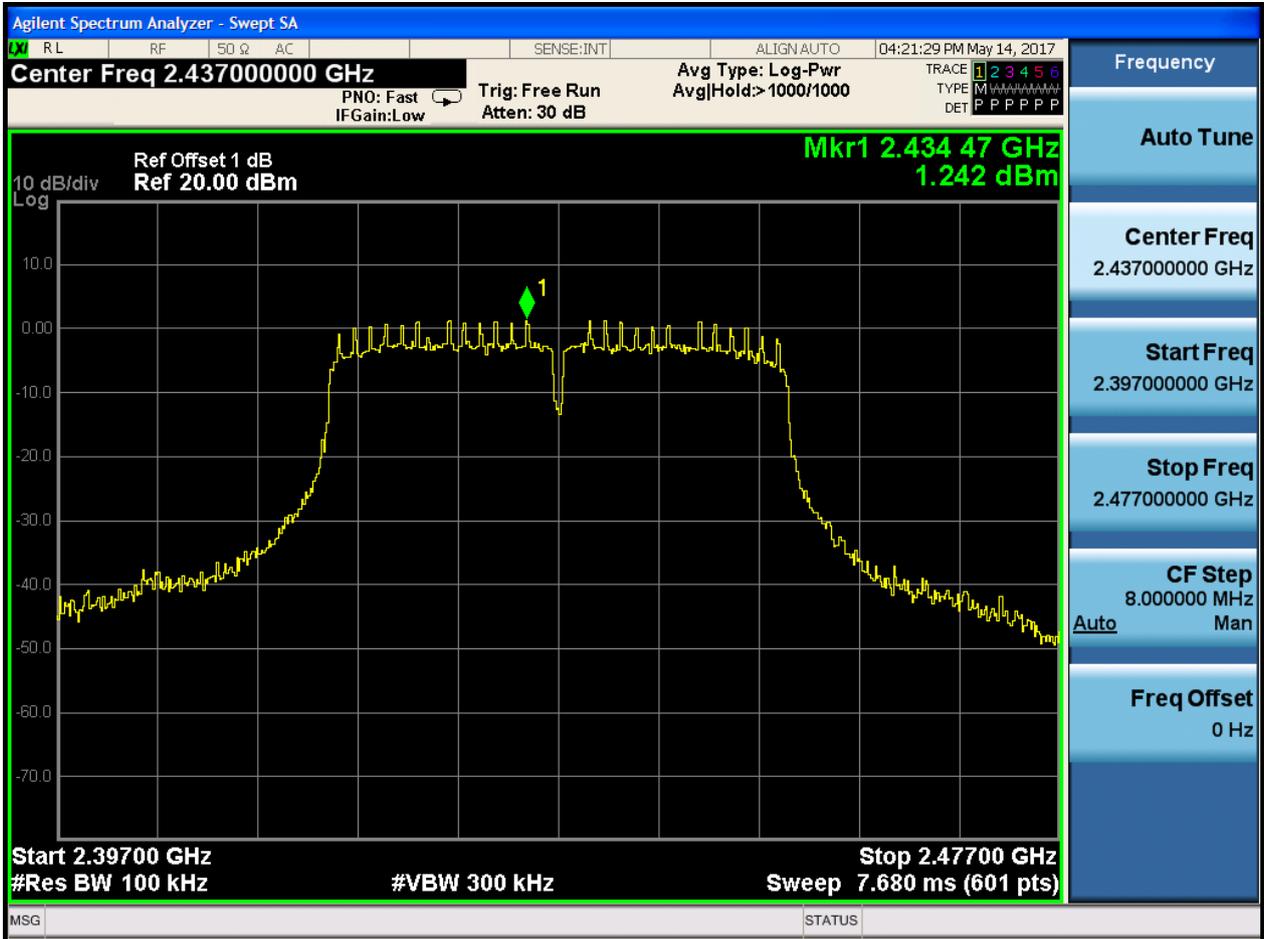






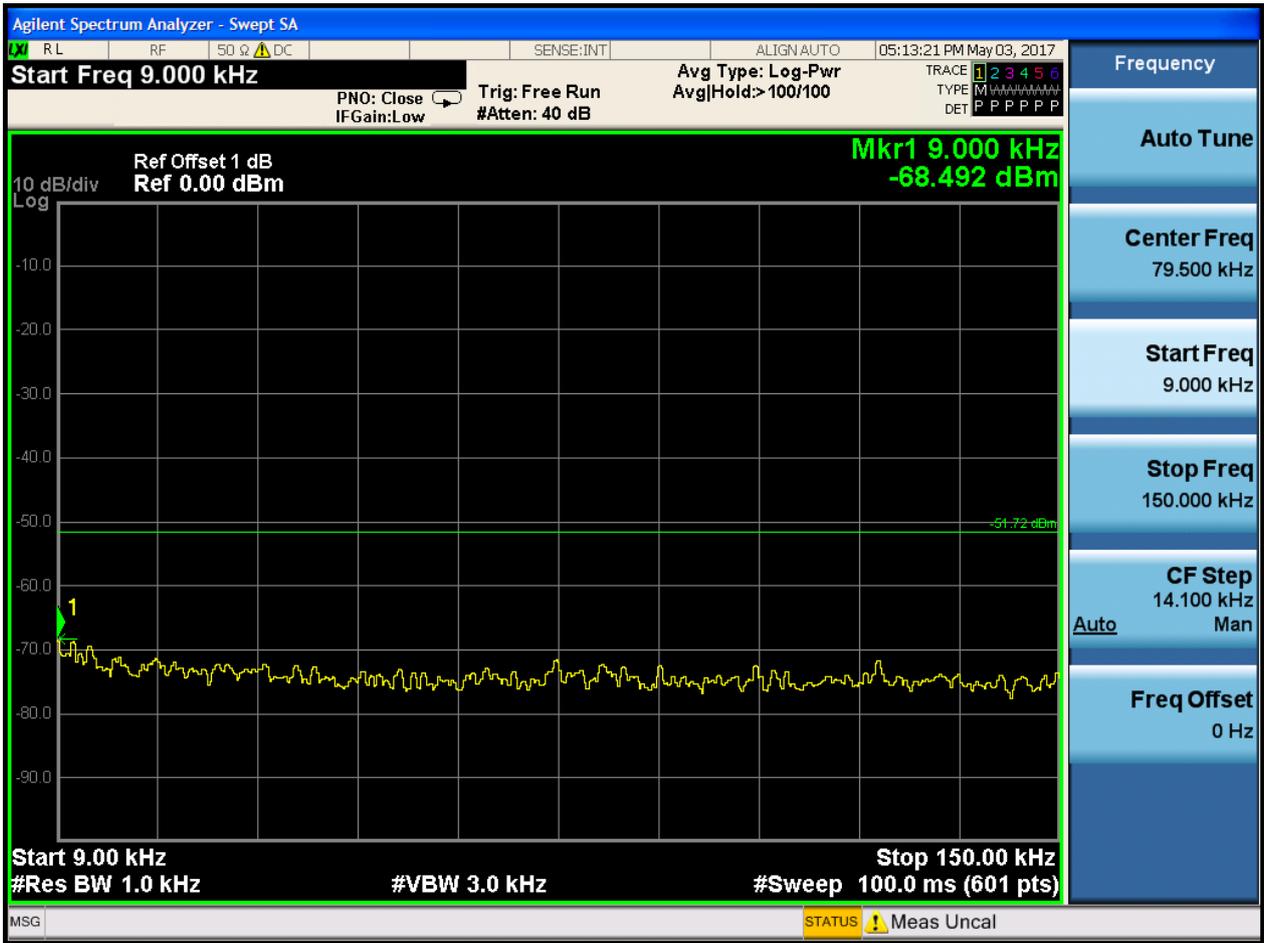
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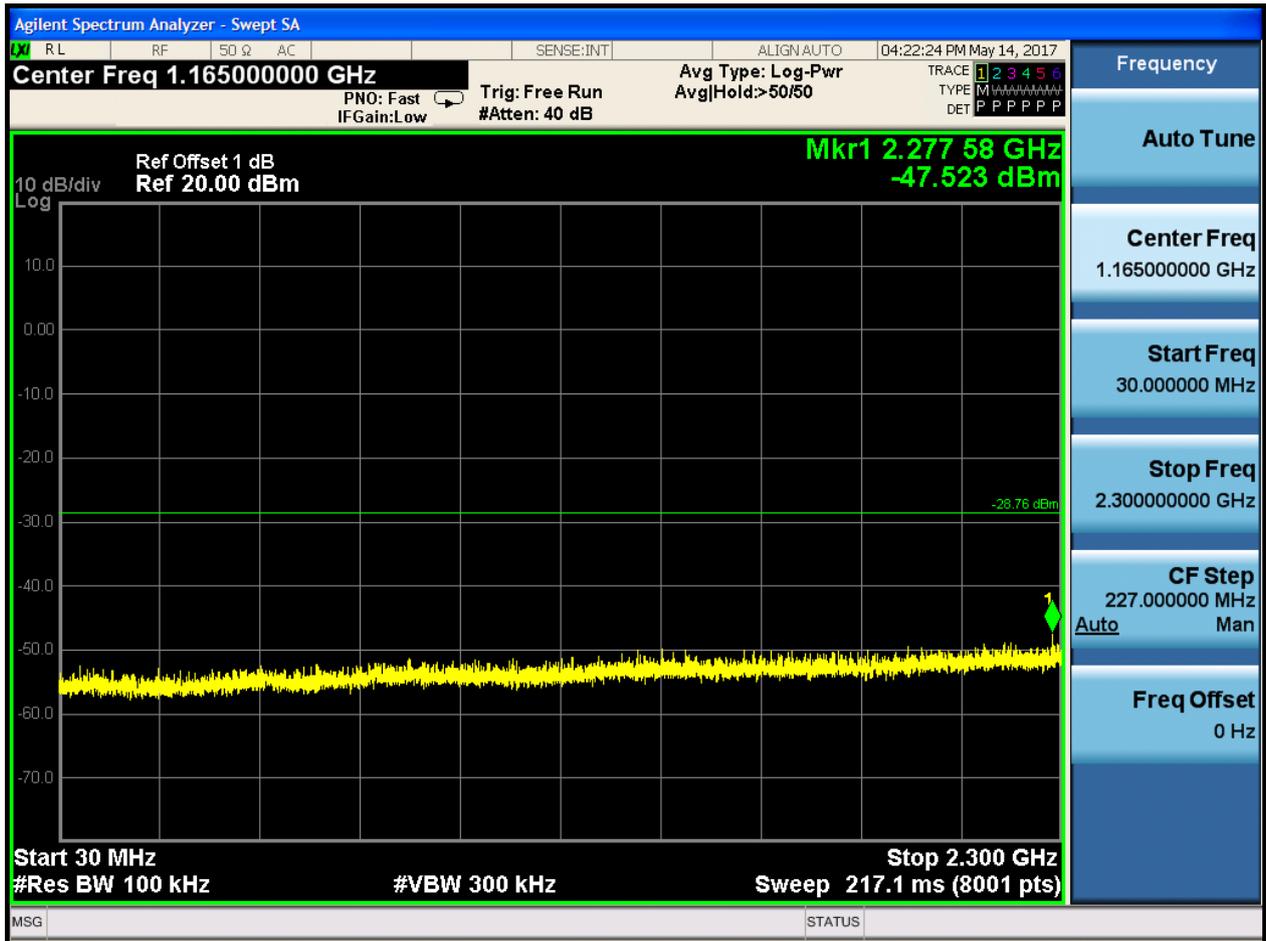
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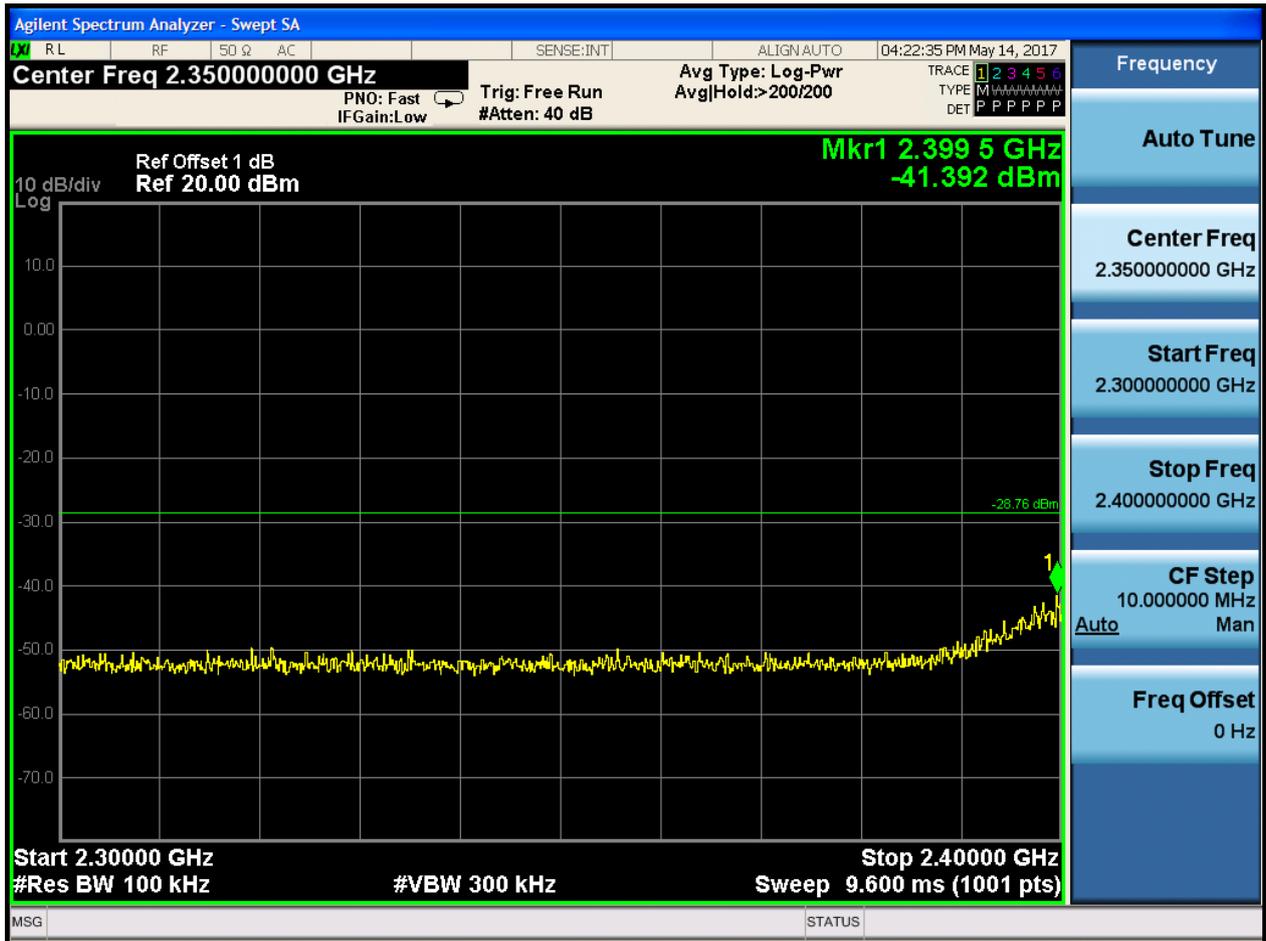


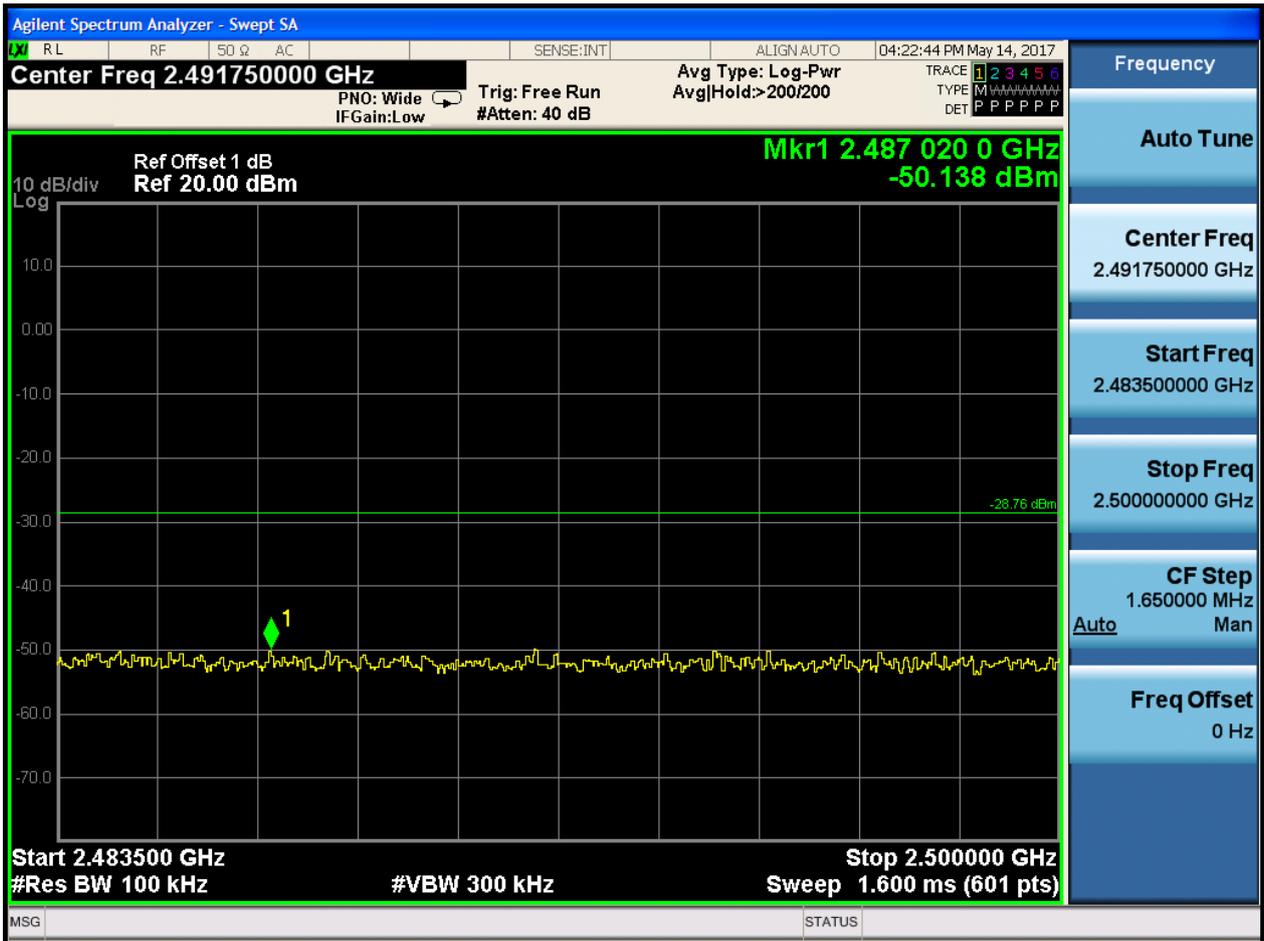


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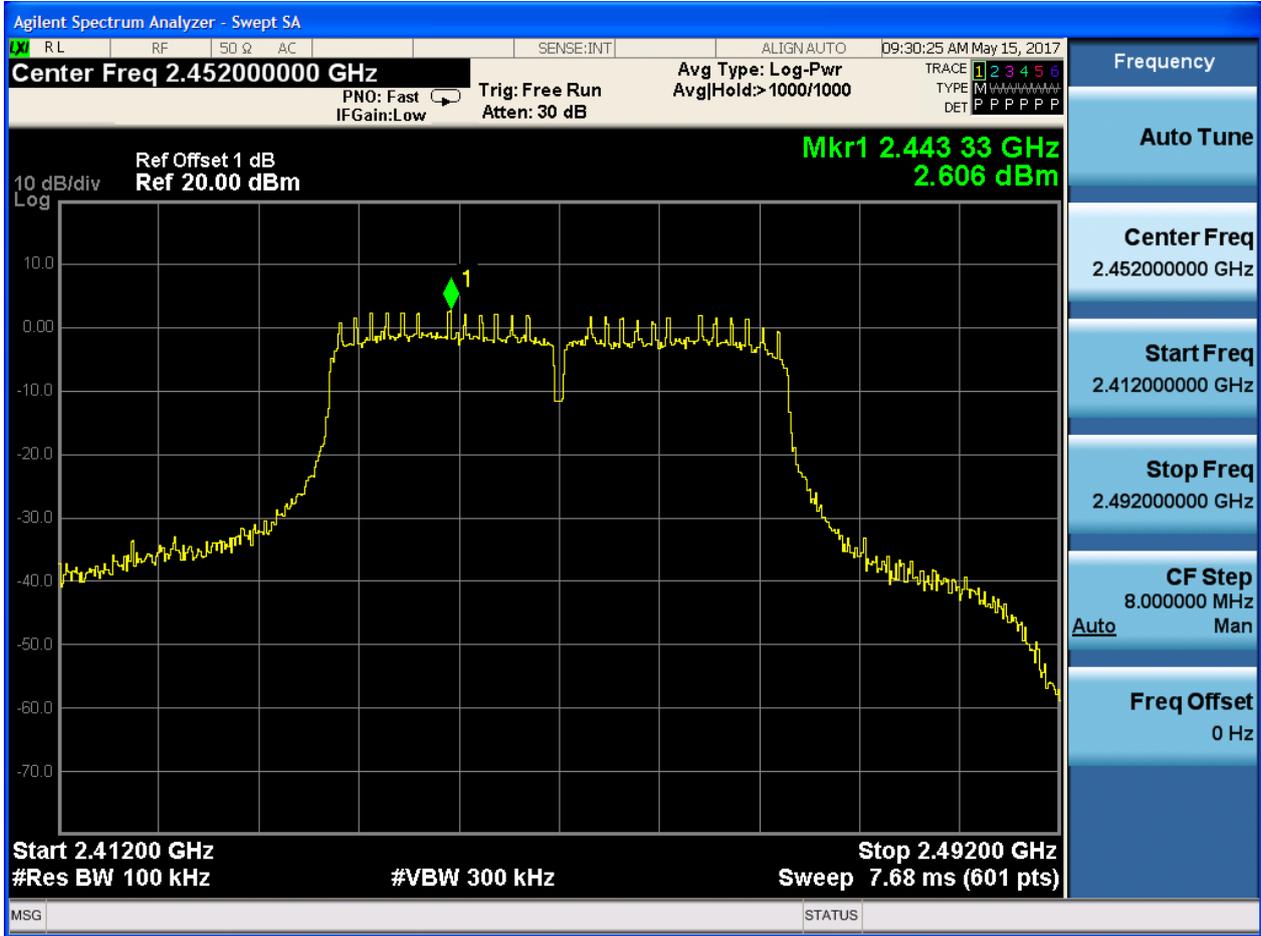






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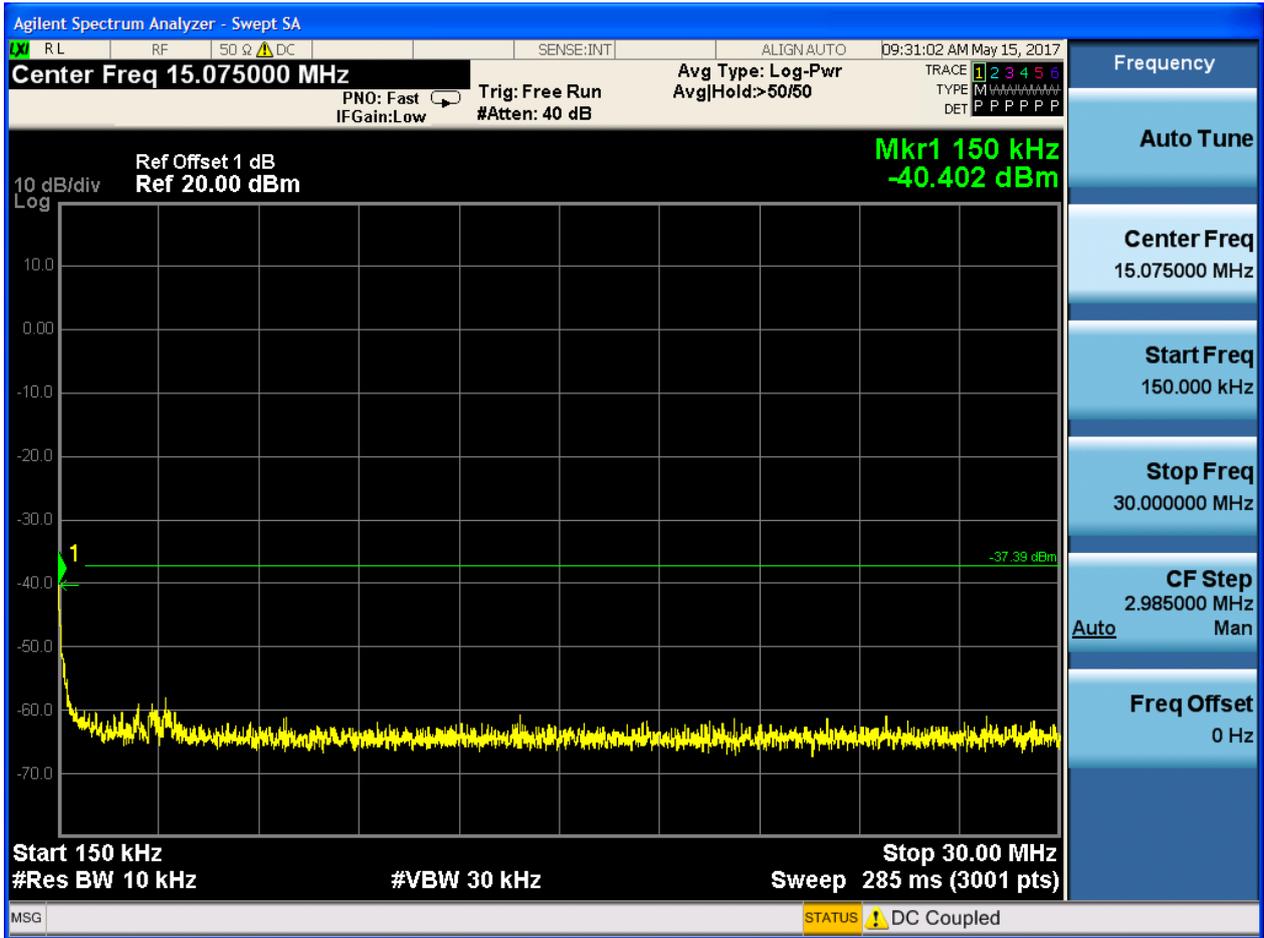
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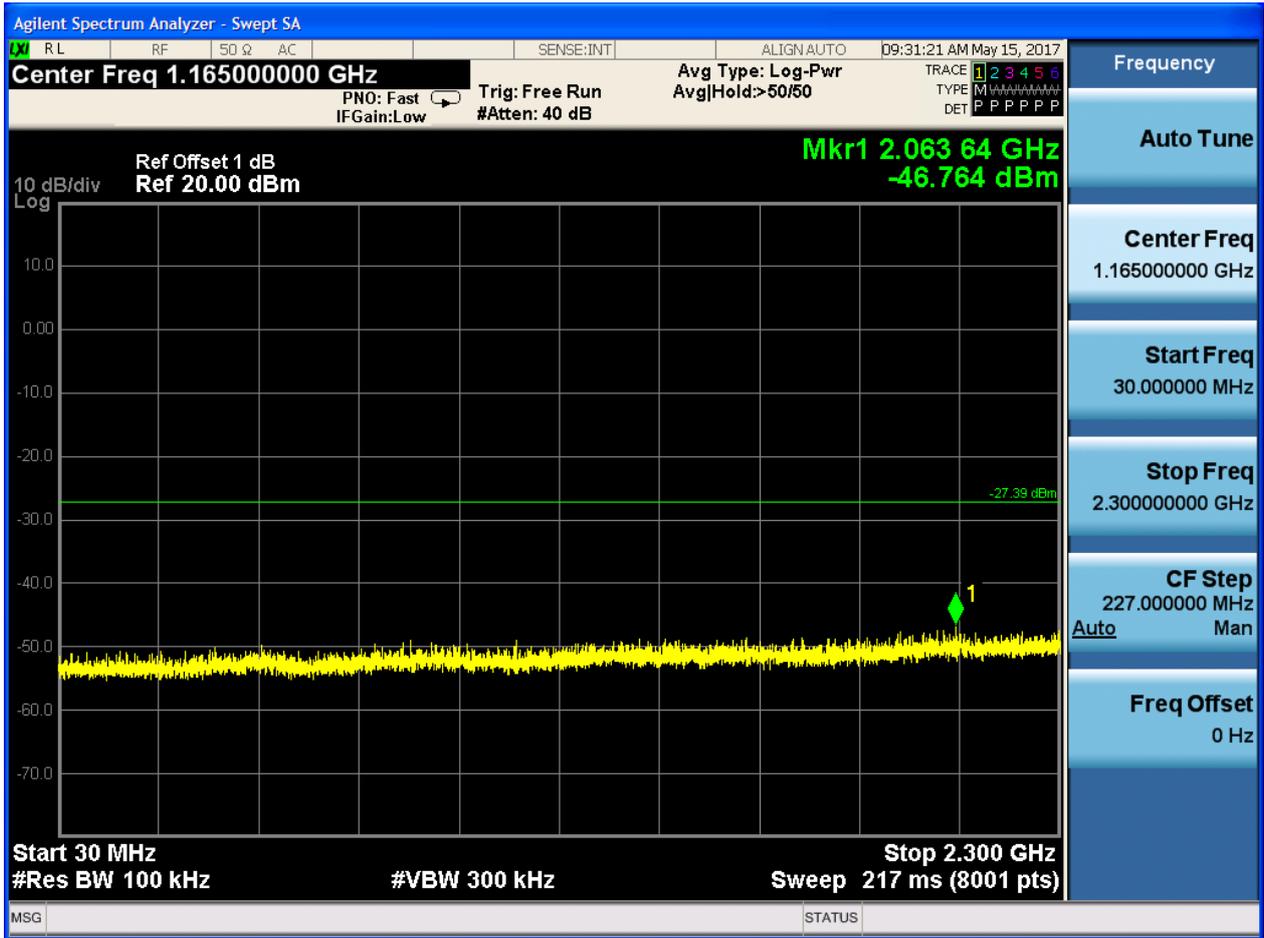


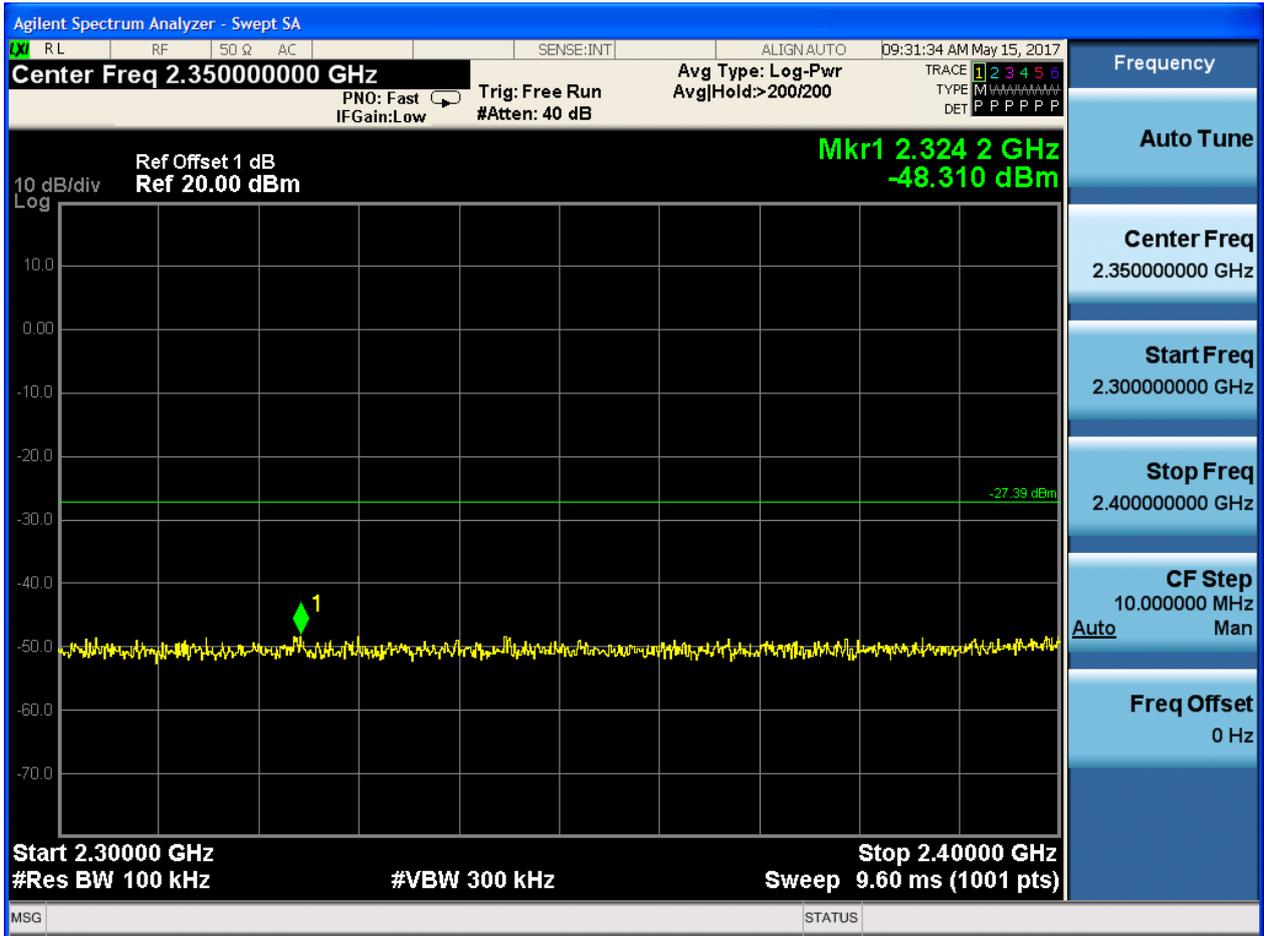


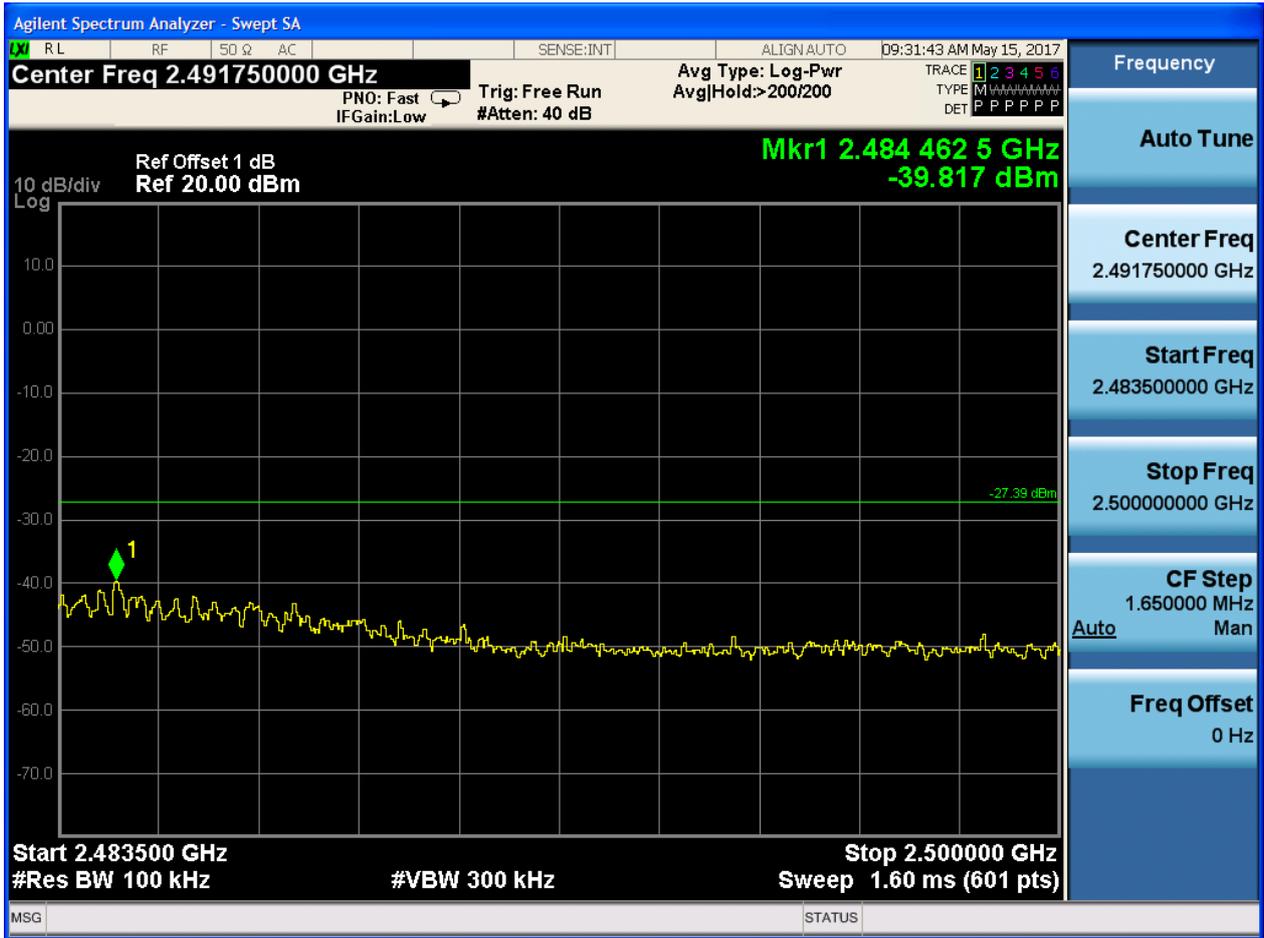
P_{uw}:

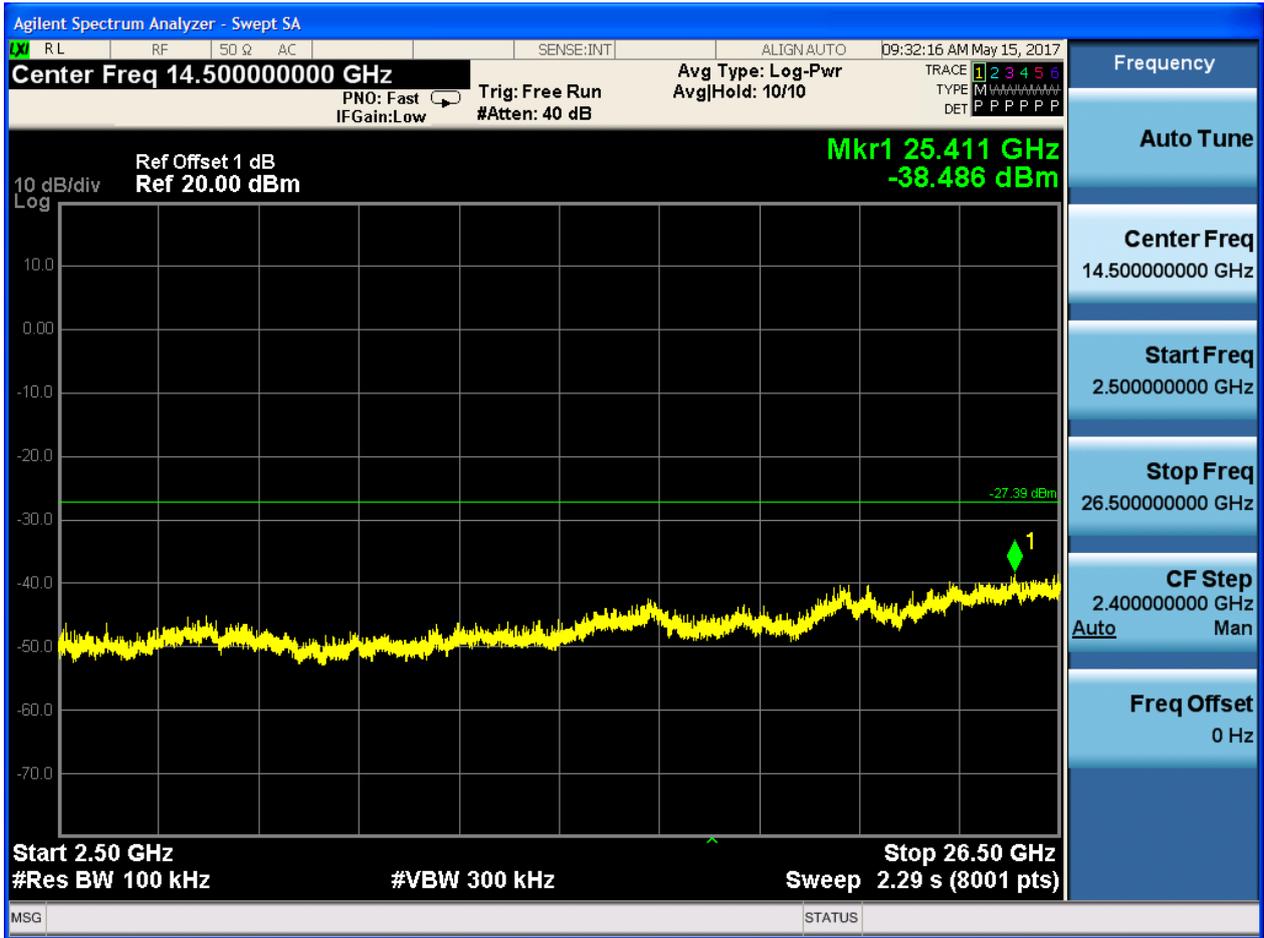














Appendix G: Radiated Spurious Emission & Spurious in Restricted Band

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

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

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

The simultaneous transmission has been considered

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

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

1.2 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).



Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Transd. (dB)
31.961700	24.29	40.00	15.71	106.0	V	125.0	14.5
44.118900	26.27	40.00	13.73	123.0	V	195.0	18.1
101.914350	22.30	43.50	21.20	130.0	V	45.0	11.8
153.844700	26.48	43.50	17.02	100.0	V	264.0	12.4
200.536000	23.96	43.50	19.54	100.0	V	172.0	13.1
429.693800	26.47	46.00	19.53	141.0	V	41.0	19.4

Note:

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

Margin=Limit-Level. The reading level is calculated by software which is not shown in the sheet.

1.3Part 3: Testing Range of “1 GHz to 3 GHz”

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.

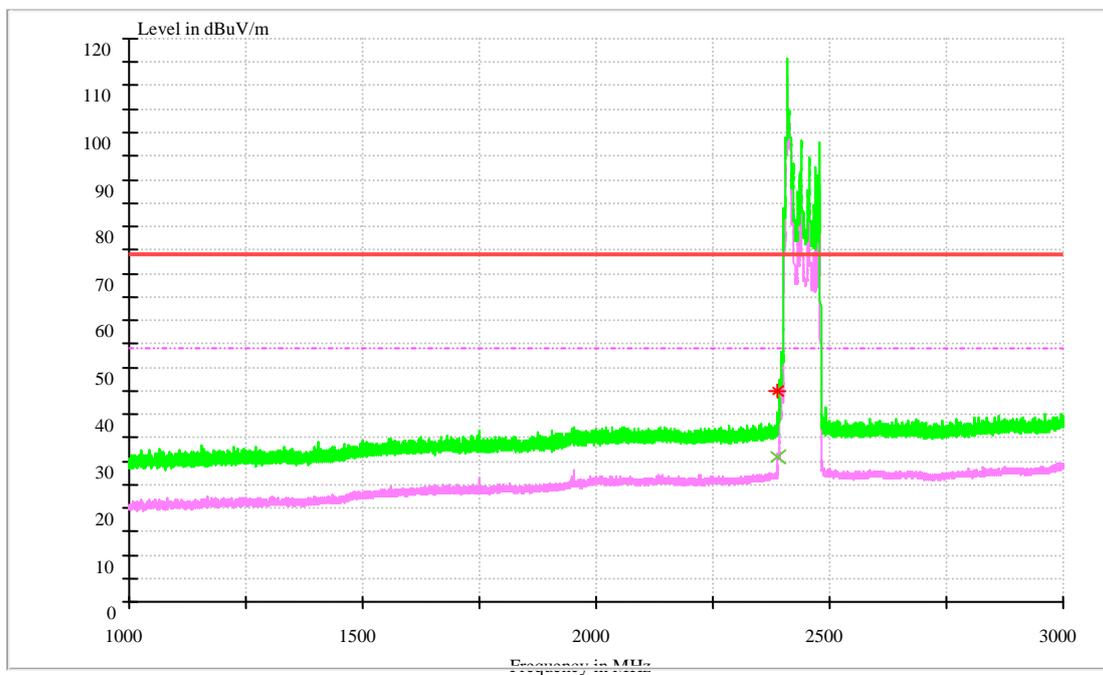
Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).

Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

Test Mode:

1.4.1Test Mode: 11B

1.4.1.1 Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	30.72	54.00	23.29	136.0	H	254.0	-7.6

MEASUREMENT RESULT: PK Detector

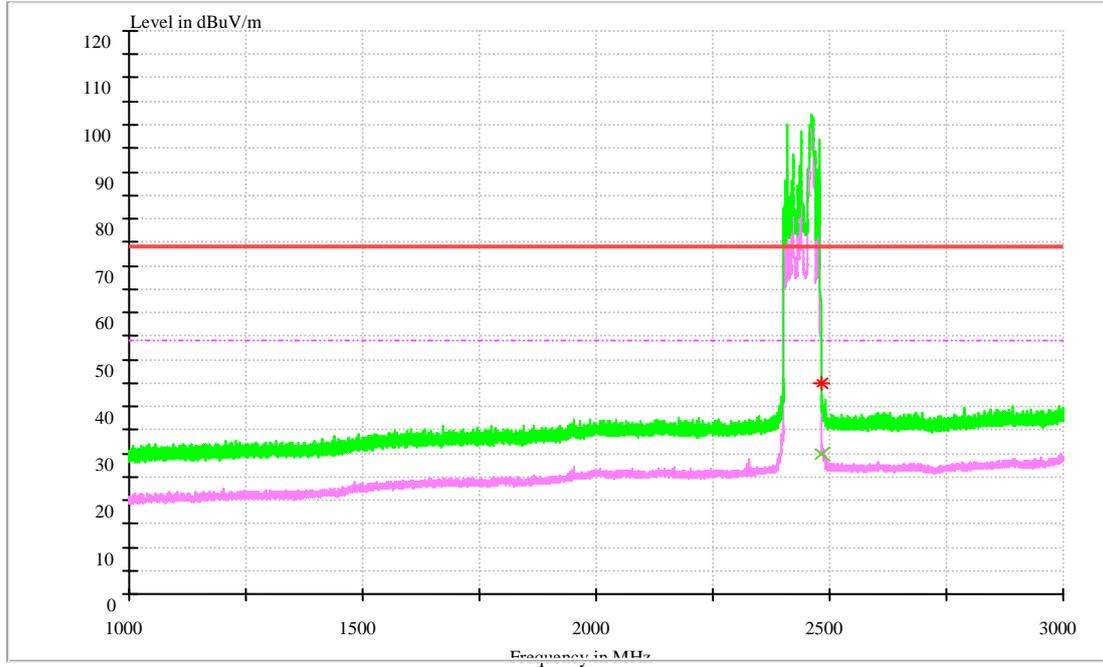
Frequency (MHz)	Level (dBu V/m)	Limit (dBu V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	44.85	74.00	29.15	166.0	H	253.0	-7.6

Note:

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

Margin=Limit-Level. The reading level is calculated by software which is not shown in the sheet.

1.4.1.2 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	29.69	54.00	24.31	100.0	H	254.0	-5.4

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	44.94	74.00	29.06	150.0	H	45.0	-5.4

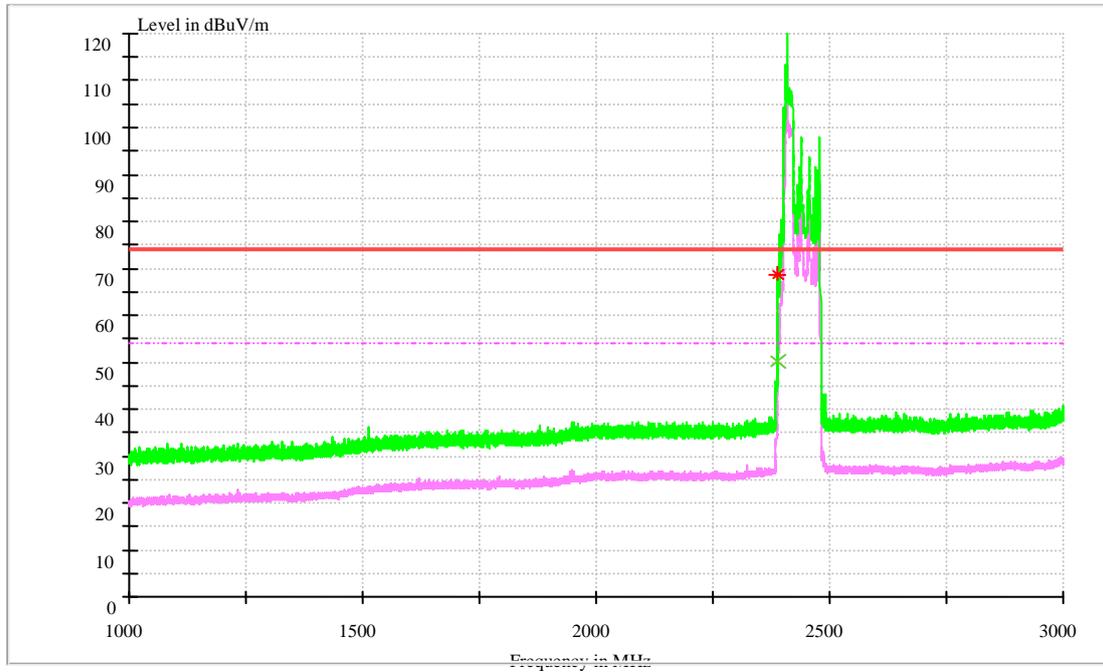
Note:

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

Margin = Limit - Level. The reading level is calculated by software which is not shown in the sheet.

1.4.2 Test Mode: 11G

1.4.2.1 Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	47.07	54.00	4.93	160.0	H	225.0	-7.6

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	68.91	74.00	5.09	178.0	H	225.0	-7.6

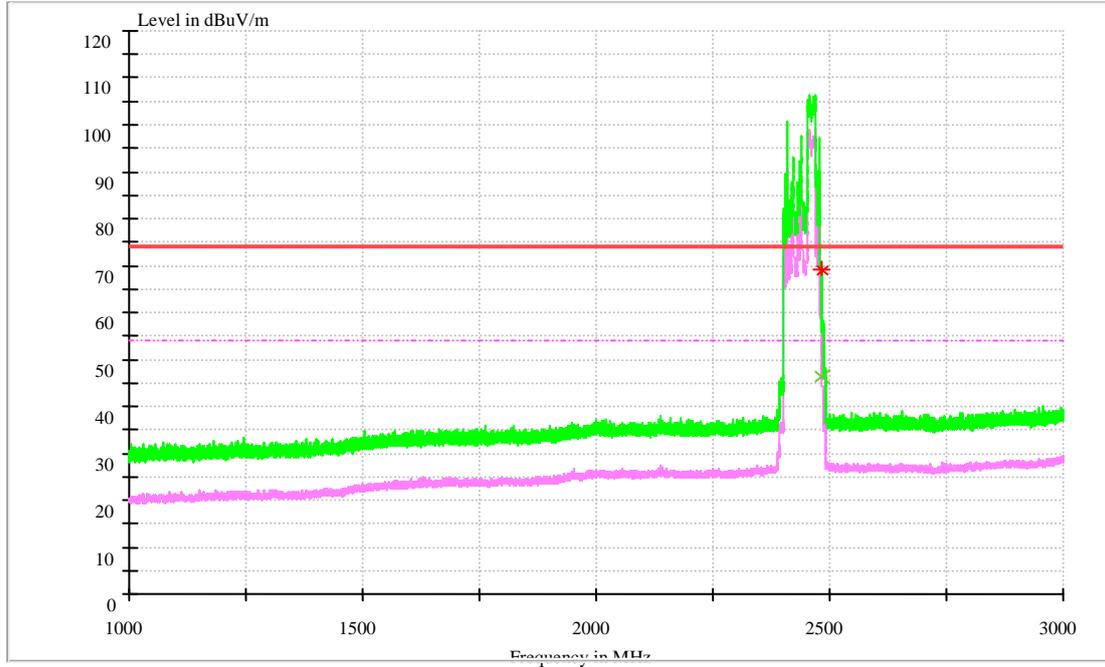
Note:

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

Margin = Limit - Level. The reading level is calculated by software which is not shown in the sheet.

1.4.2.2 Channel 11@Ant 1

Full Spectrum



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	46.39	54.00	7.61	162.0	H	17.0	-5.4

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	68.96	74.00	5.04	130.0	H	225.0	-5.4

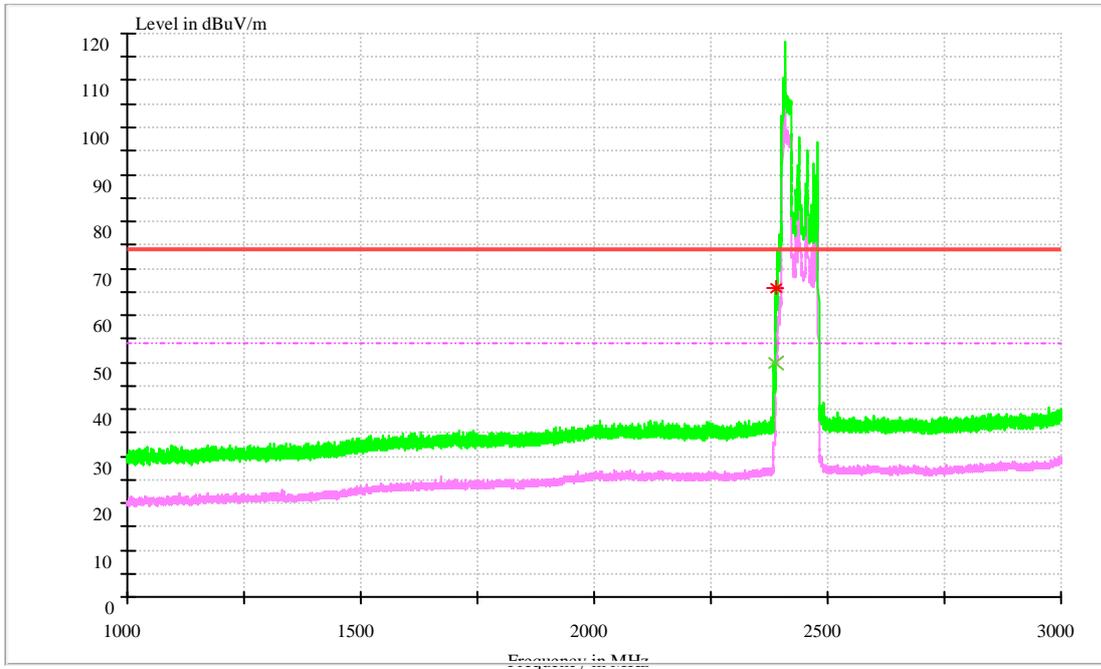
Note:

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

Margin=Limit-Level. The reading level is calculated by software which is not shown in the sheet.

1.4.3 Test Mode: 11N20

1.4.3.1 Channel 1 @Ant 1



MEASUREMENT RESULT: AV Detector

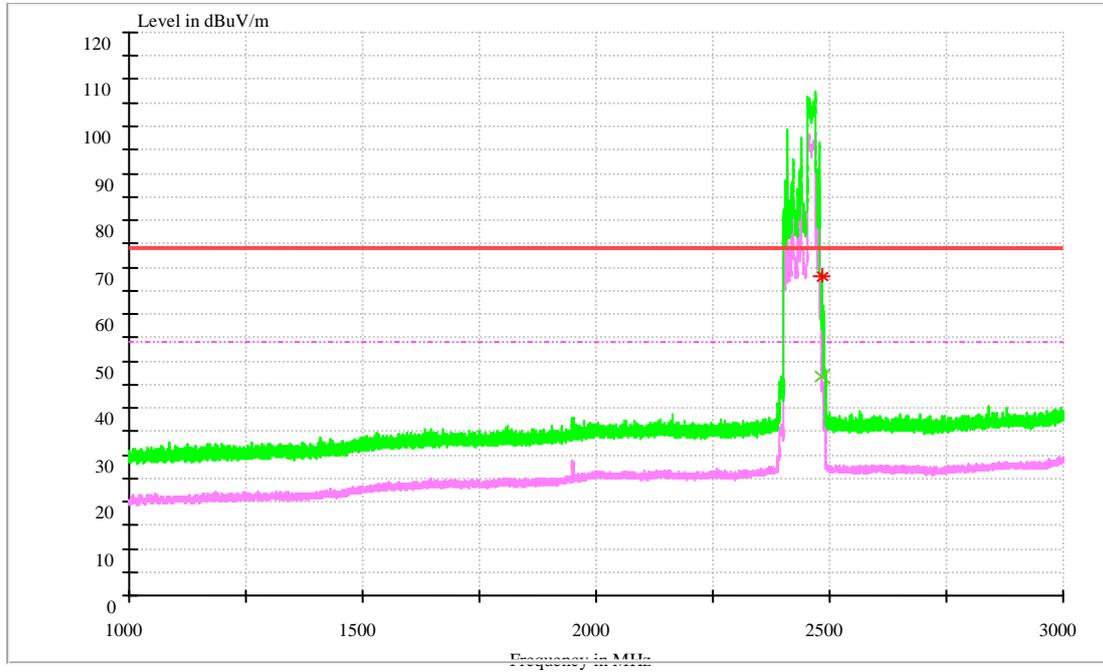
Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	49.66	54.00	4.34	150.0	H	225.0	-7.6

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	65.72	74.00	8.28	150.0	H	225.0	-7.6

Note:
 Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)
 Margin = Limit - Level. The reading level is calculated by software which is not shown in the sheet.

1.4.3.2 Channel 11@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	46.59	54.00	7.41	136.0	H	46.59	-5.4

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	67.94	74.00	6.06	159.0	H	226.0	-5.4

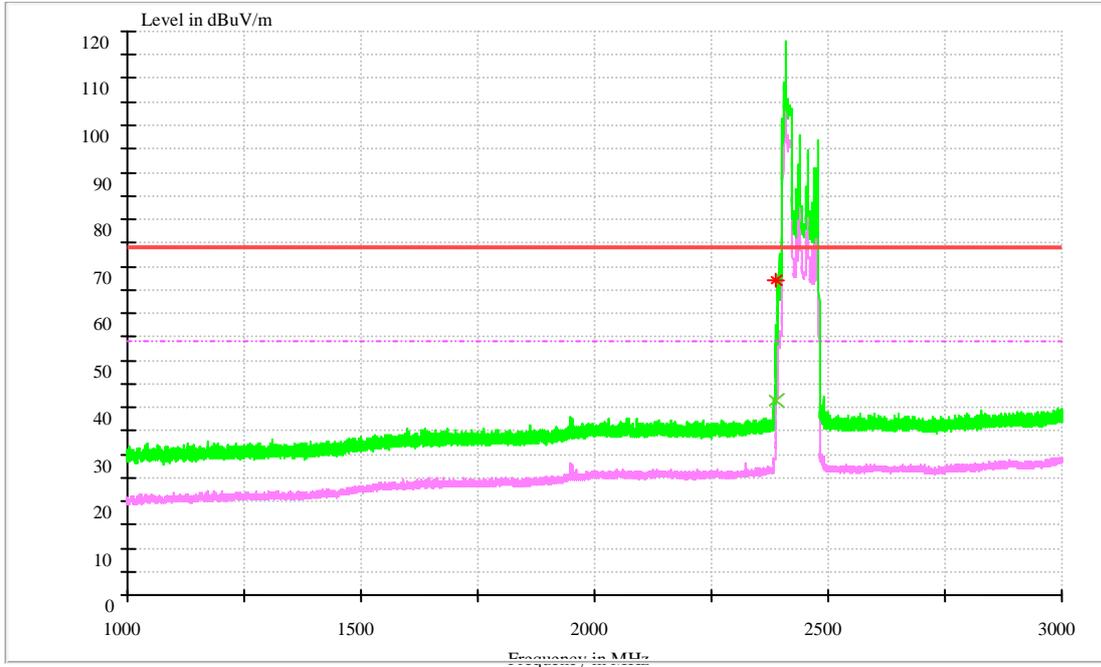
Note:

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

Margin = Limit - Level. The reading level is calculated by software which is not shown in the sheet.

1.4.4 Test Mode: 11N40

1.4.4.1 Channel 3 @Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2390	41.43	54.00	12.57	150.0	H	225.0	-7.6

MEASUREMENT RESULT: PK Detector

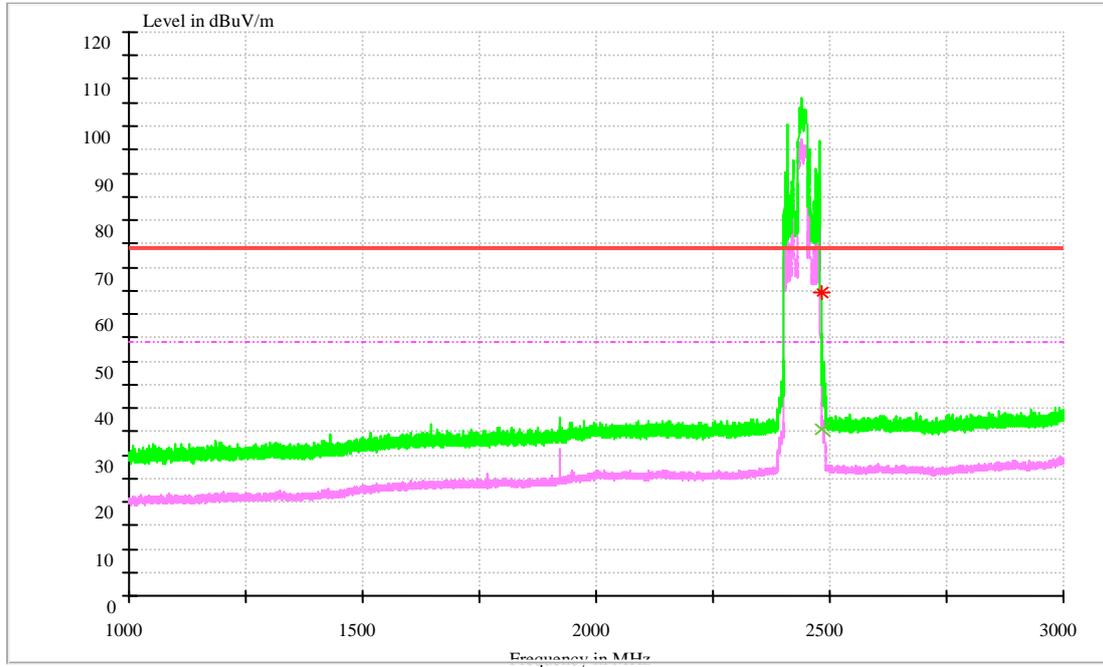
Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2390	67.18	74.00	6.82	135.0	H	231.0	-7.6

Note:

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

Margin = Limit - Level. The reading level is calculated by software which is not shown in the sheet.

1.4.4.2 Channel 9@Ant 1



MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h	Transd. (dB)
2483.5	35.53	54.00	18.47	130.0	H	105.0	-5.4

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth h (deg)	Transd. (dB)
2483.5	64.44	74.00	9.56	150.0	H	225.0	-5.4

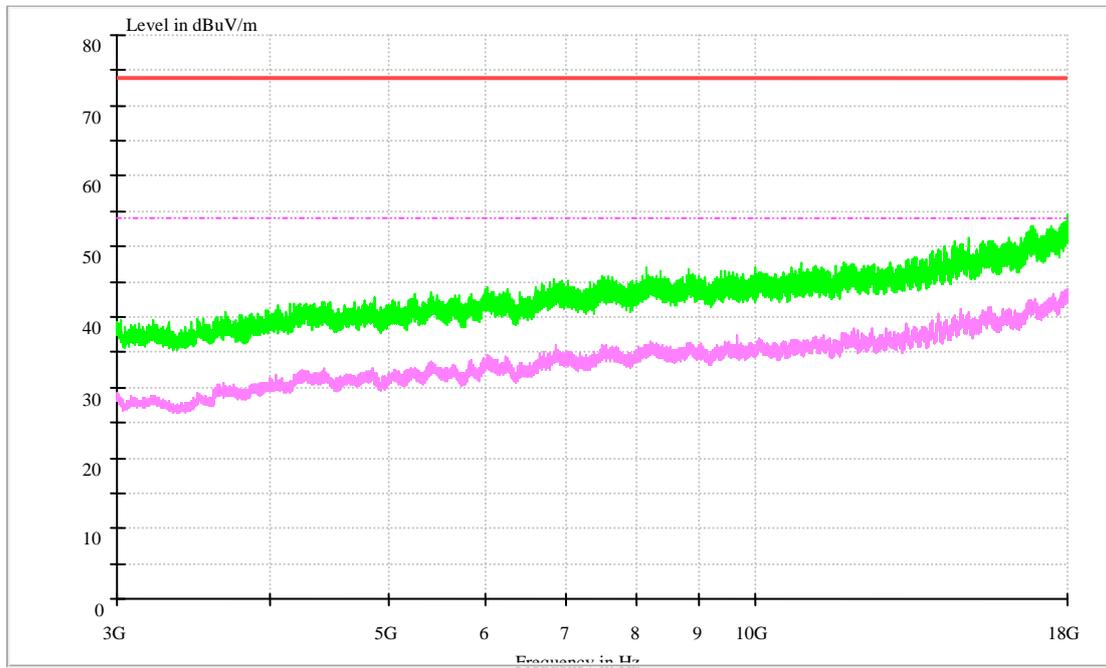
Note:

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

Margin=Limit-Level. The reading level is calculated by software which is not shown in the sheet.

1.4 Part 4: 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).



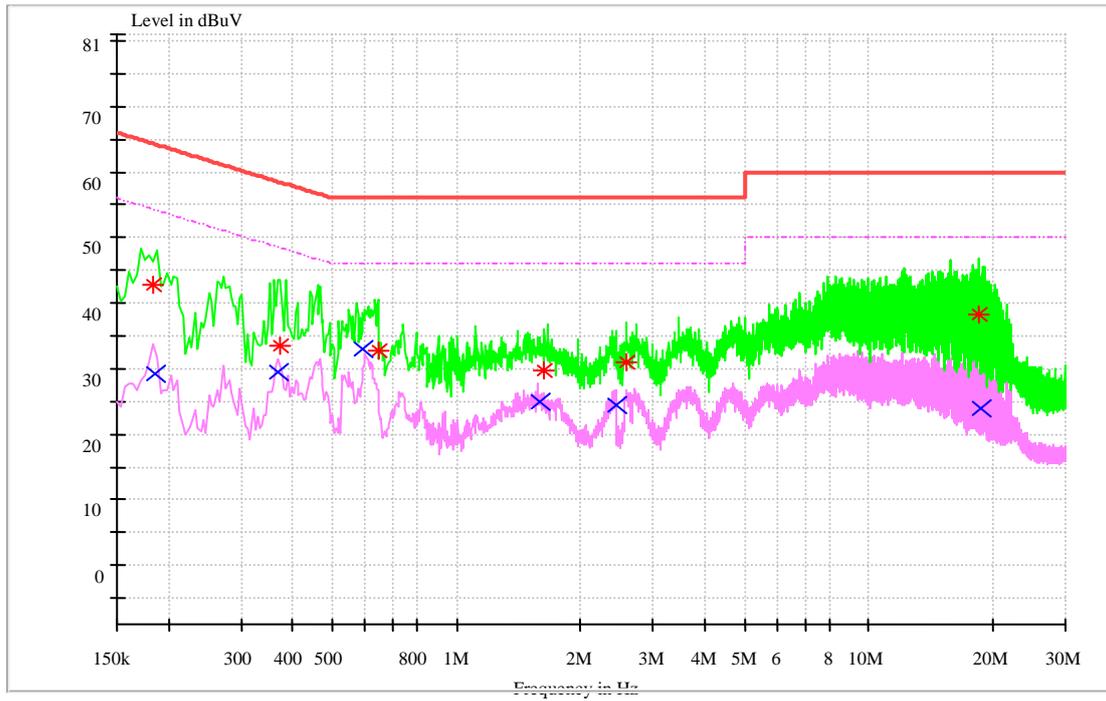


1.5 Part 5: Testing Range of “18 GHz to 26.5 GHz”

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

Appendix H: Conducted Emission at Power Port

Note: RBW = 9 kHz, VBW = 30 kHz



**MEASUREMENT RESULT: AV Detector**

Frequency (MHz)	Level (dB μ V)	Limit (dB μ V)	Transd. (dB)	Margin (dB)	Line	PE
0.184708	29.28	54.27	9.7	24.99	L1	FLO
0.370259	29.45	48.50	9.7	19.04	L1	FLO
0.588494	33.11	46.00	9.7	12.89	L1	FLO
1.592031	24.88	46.00	9.7	21.12	L1	FLO
2.454119	24.55	46.00	9.8	21.45	L1	FLO
18.676208	24.05	50.00	10.1	25.95	N	FLO

MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB μ V)	Limit (dB μ V)	Transd. (dB)	Margin (dB)	Line	PE
0.183336	42.69	64.33	9.7	21.65	N	FLO
0.373122	33.46	58.43	9.7	24.97	N	FLO
0.645515	32.79	56.00	9.7	23.21	L1	FLO
1.636964	29.70	56.00	9.7	26.30	L1	FLO
2.586708	30.99	56.00	9.8	25.01	L1	FLO
18.588668	38.15	60.00	10.1	21.85	N	FLO

Note:

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

Margin = Limit - Level. The reading level is calculated by software which is not shown in the sheet.

END