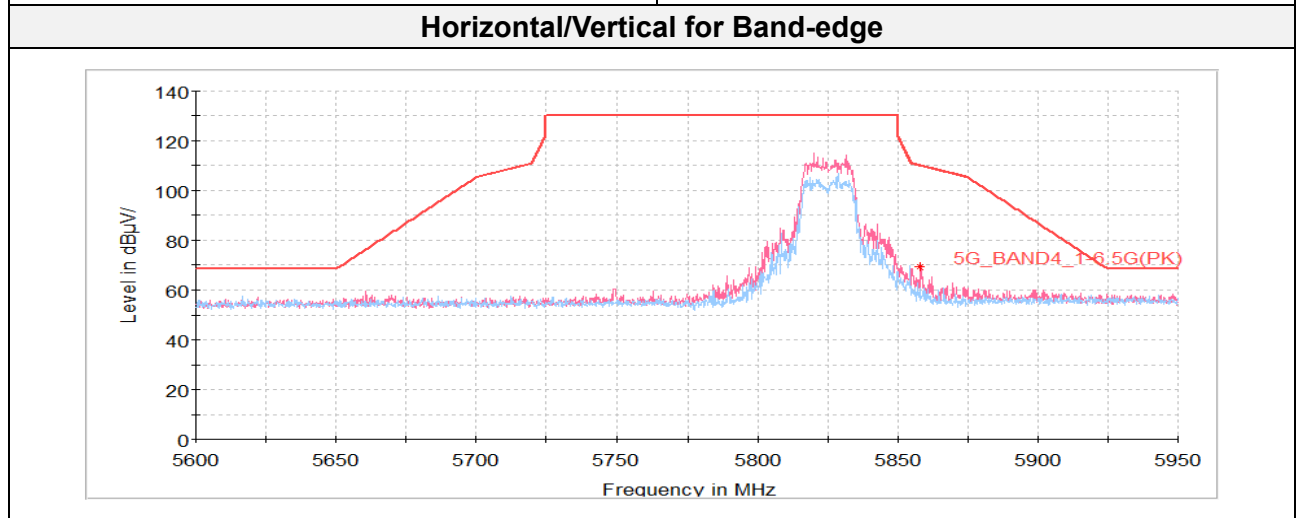
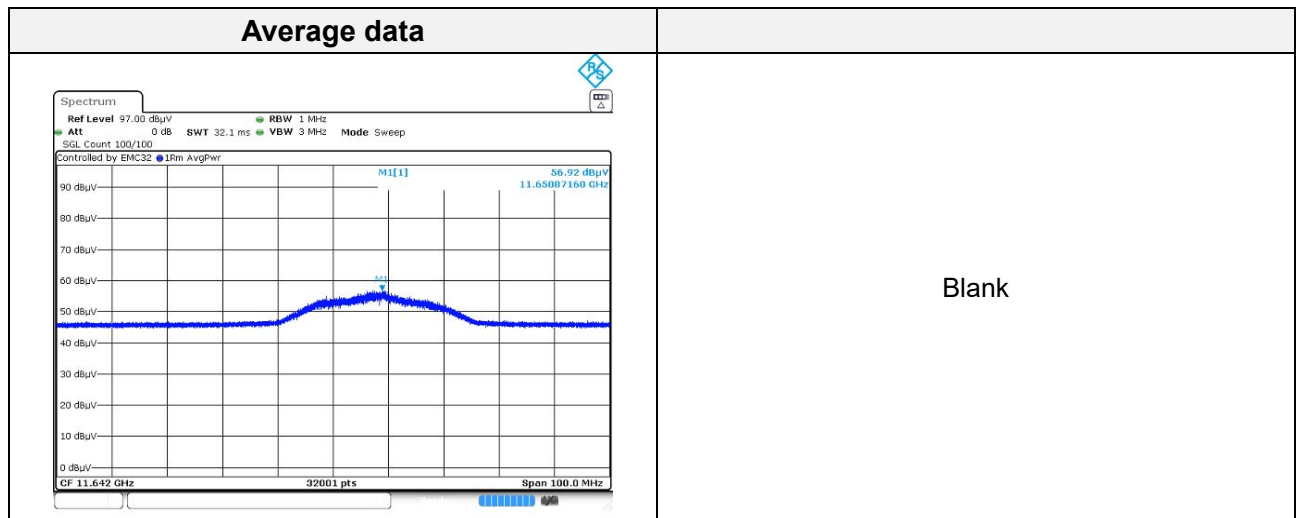
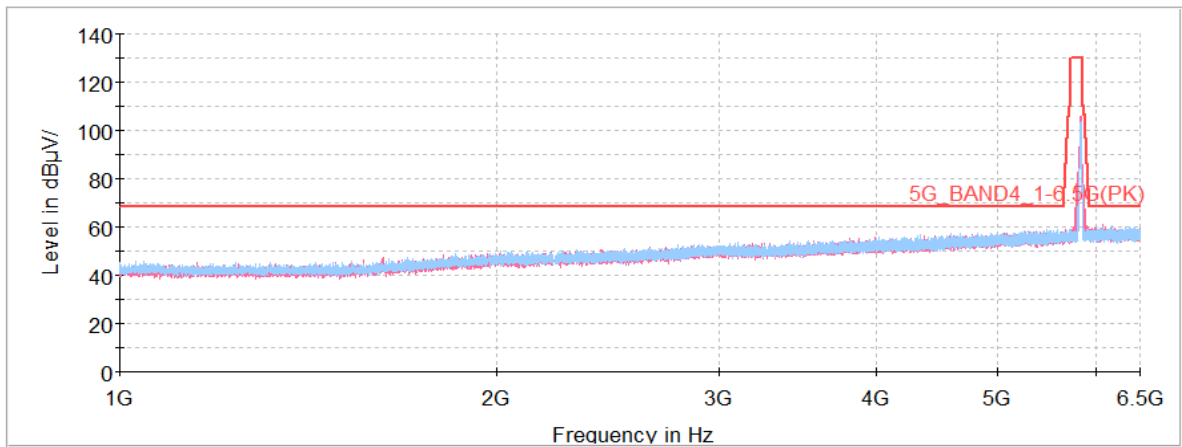


Highest Channel (5 825 MHz)

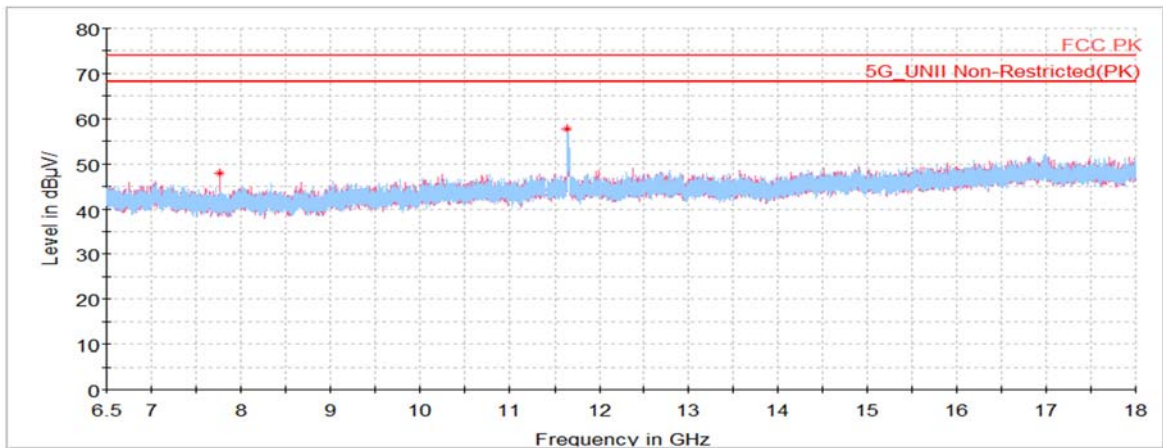
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 858.22	V	58.18	35.03	-23.92	-	69.29	109.90	40.61
7 766.44	V	62.75	35.41	-50.35	-	47.81	68.20	20.39
11 650.87 ¹⁾	V	68.73	38.34	-49.43	-	57.64	74.00	16.36
Average Data								
11 650.87 ¹⁾	V	56.92	38.34	-49.43	0.77	46.60	54.00	7.40



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

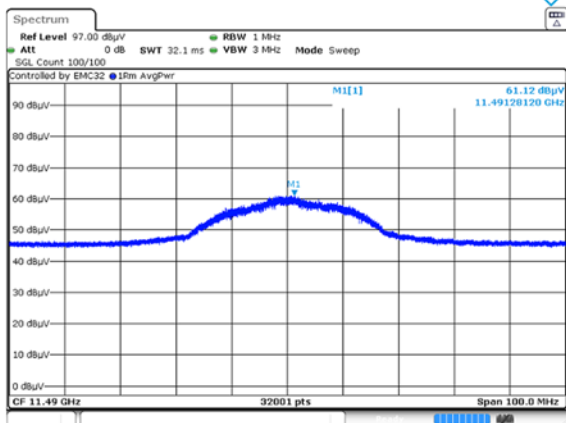


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Lowest Channel (5 745 MHz)

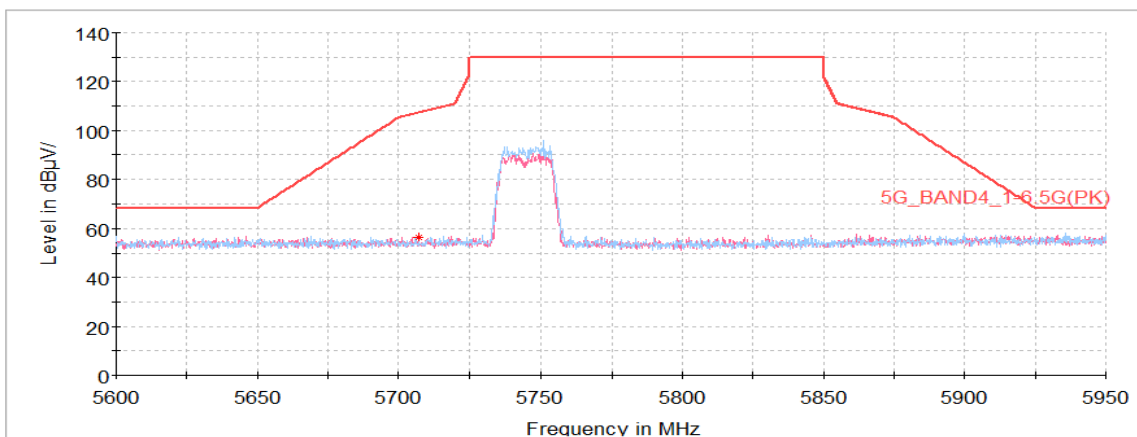
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 706.97	V	45.88	34.85	-24.26	-	56.47	107.15	50.68
7 659.70 ¹⁾	V	62.00	35.36	-50.16	-	47.20	74.00	26.80
11 491.28 ¹⁾	V	73.33	38.09	-49.30	-	62.12	74.00	11.88
17 224.47	V	59.35	41.30	-46.72	-	53.93	68.20	14.27
Average Data								
11 491.28 ¹⁾	V	61.12	38.09	-49.30	0.77	50.68	54.00	3.32

Average data

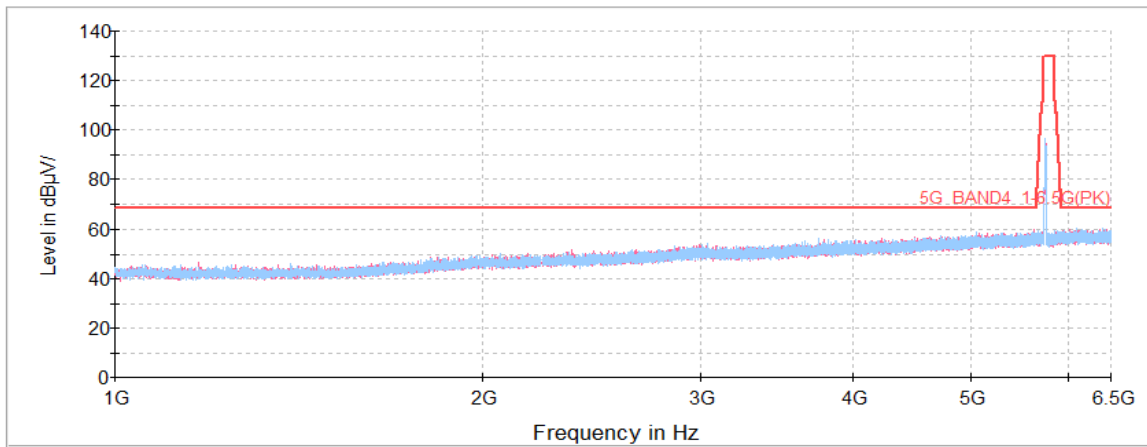


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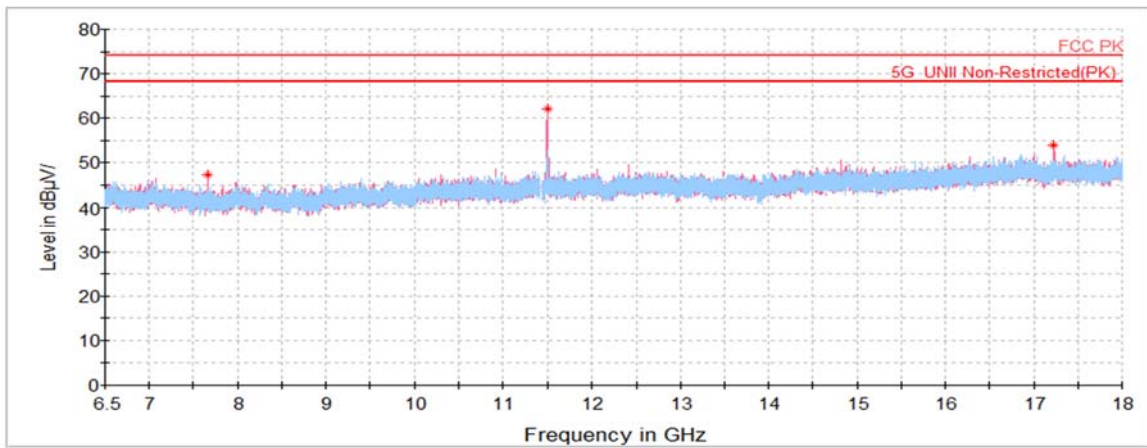
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

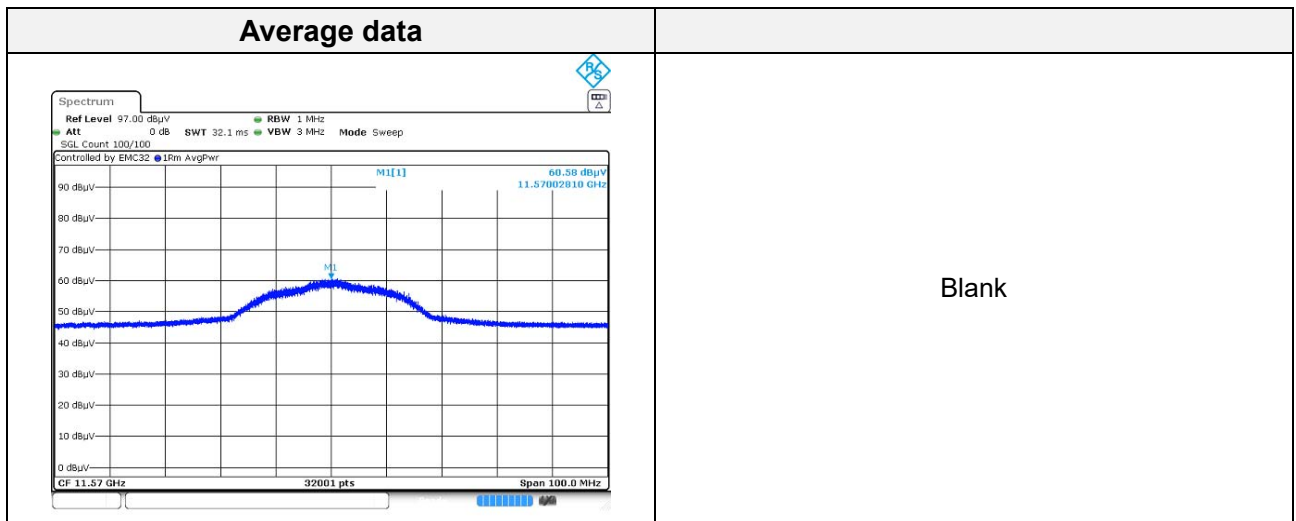


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

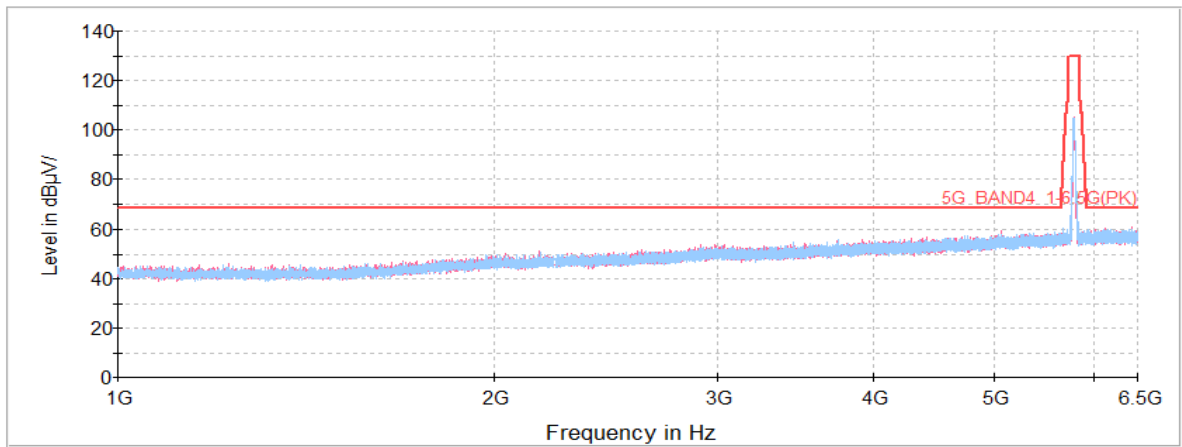


Middle Channel (5 785 MHz)

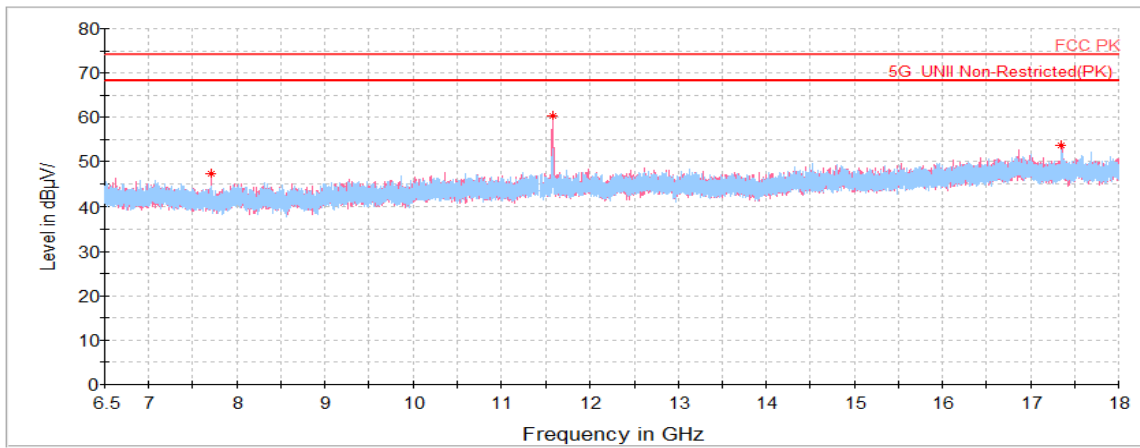
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 712.89 ¹⁾	V	62.26	35.39	-50.25	-	47.40	74.00	26.60
11 570.03 ¹⁾	V	71.48	38.21	-49.36	-	60.33	74.00	13.67
17 350.61	V	59.49	41.07	-46.76	-	53.80	68.20	14.40
Average Data								
11 570.03 ¹⁾	V	60.58	38.21	-49.36	0.77	50.20	54.00	3.80



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

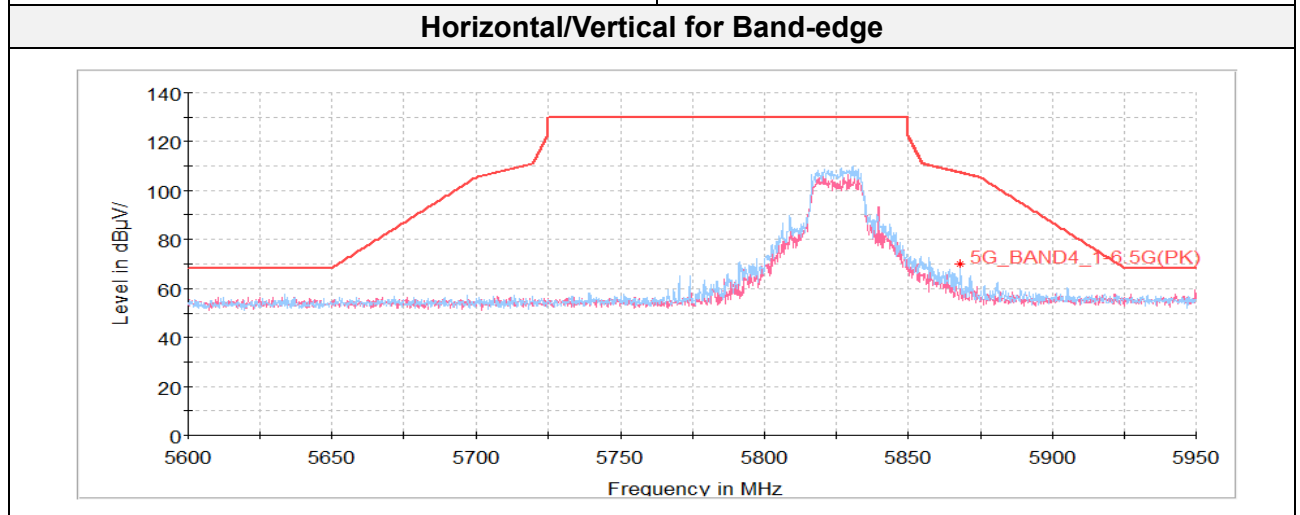
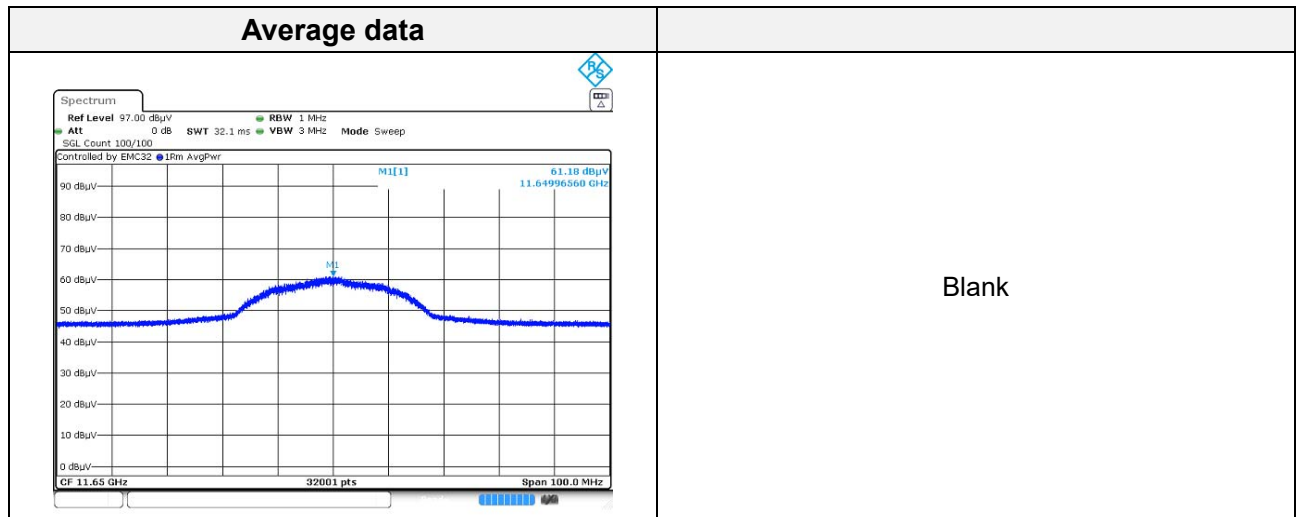


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

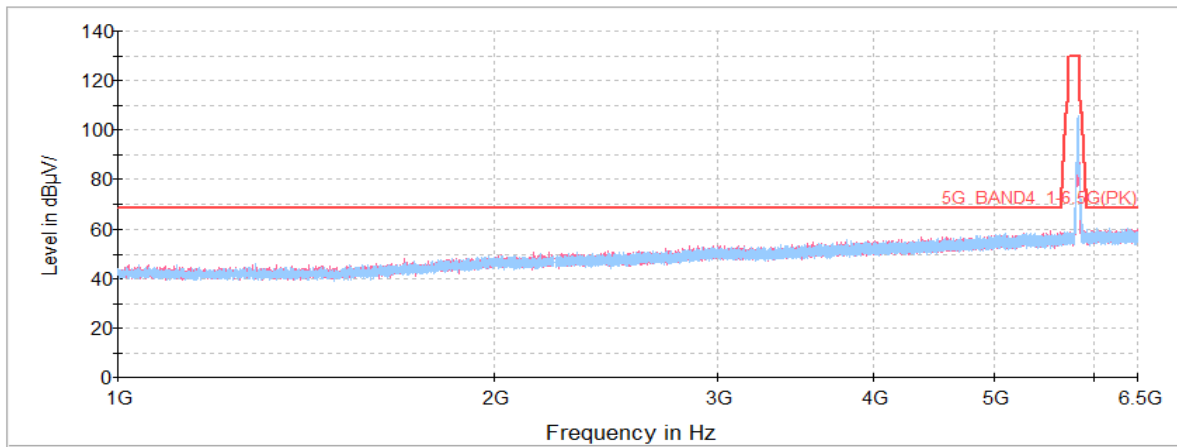


Highest Channel (5 825 MHz)

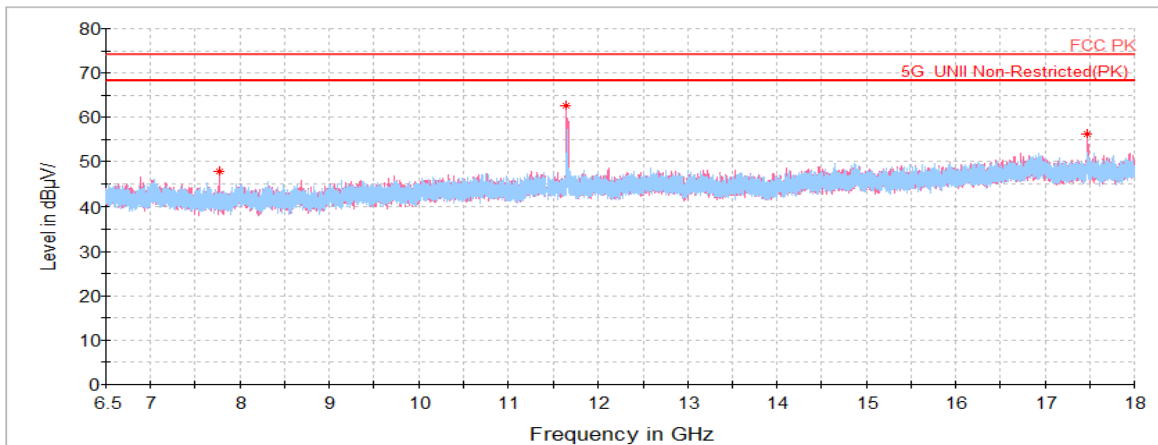
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 868.02	H	58.67	35.04	-23.87	-	69.84	107.16	37.31
7 766.80	V	62.71	35.41	-50.35	-	47.77	68.20	20.43
11 649.97 ¹⁾	V	73.63	38.34	-49.42	-	62.55	74.00	11.45
17 470.64	V	62.12	40.85	-46.79	-	56.18	68.20	12.02
Average Data								
11 649.97 ¹⁾	V	61.18	38.34	-49.42	0.77	50.87	54.00	3.13



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

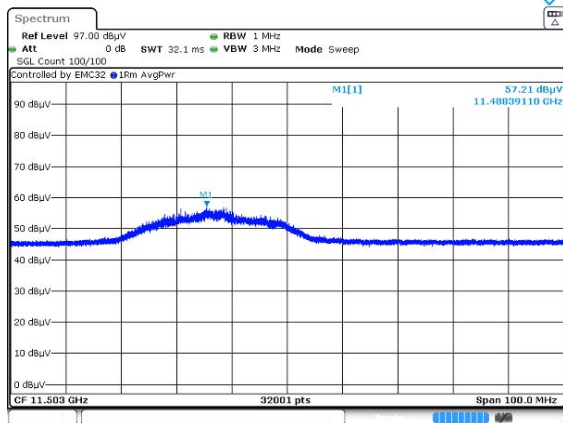


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Lowest Channel (5 745 MHz)

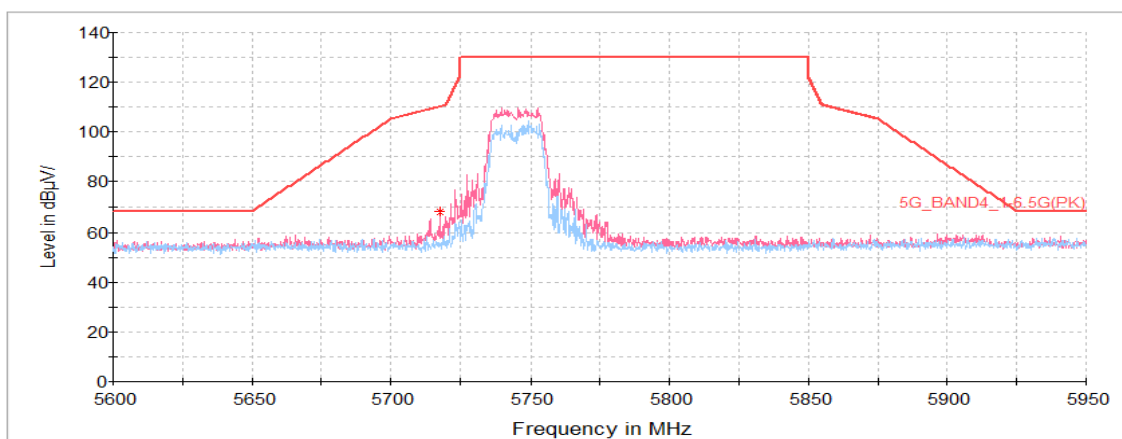
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 717.80	V	57.41	34.86	-24.26	-	68.01	110.18	42.17
11 488.39 ¹⁾	V	72.15	38.09	-49.30	-	60.94	74.00	13.06
17 424.28	V	56.66	40.94	-46.78	-	50.82	68.20	17.38
Average Data								
11 488.39 ¹⁾	V	57.21	38.09	-49.30	0.77	46.77	54.00	7.23

Average data

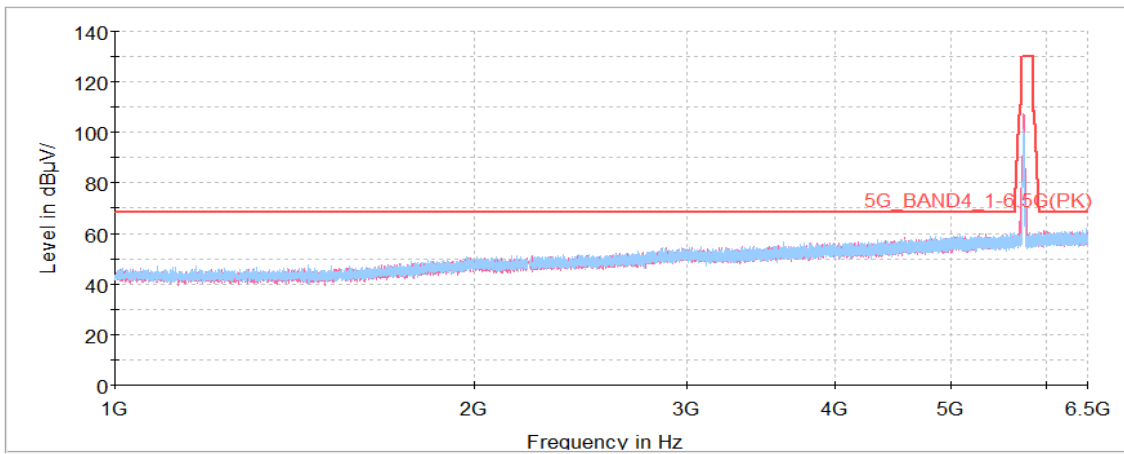


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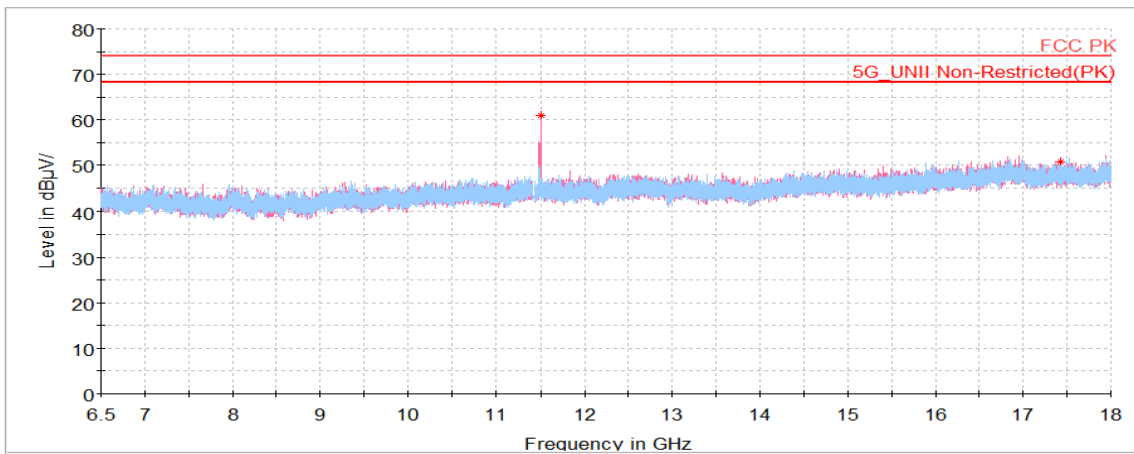
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

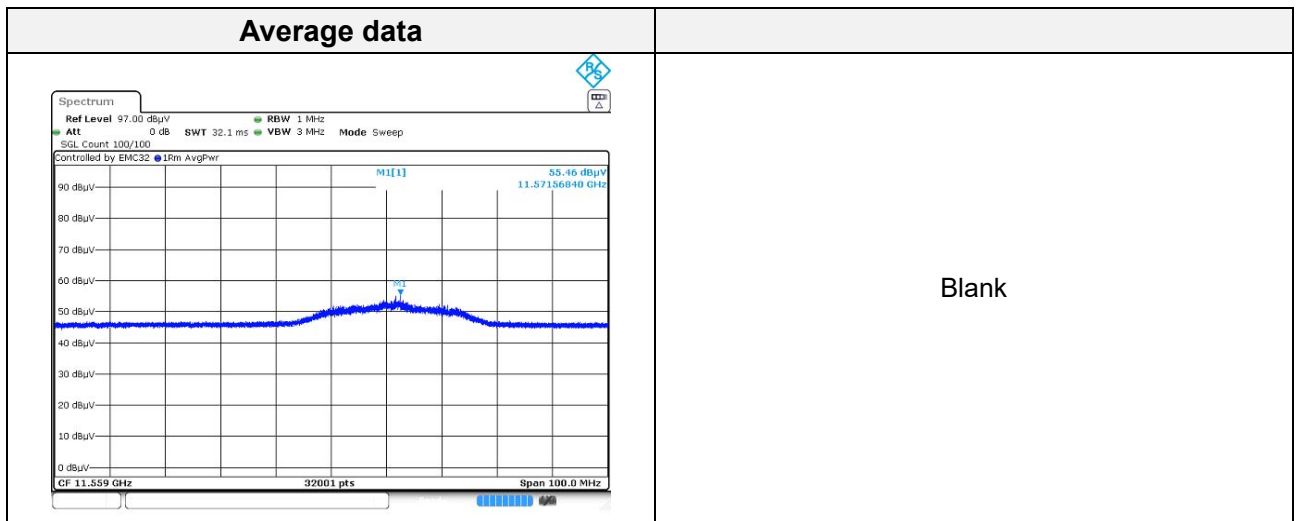


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

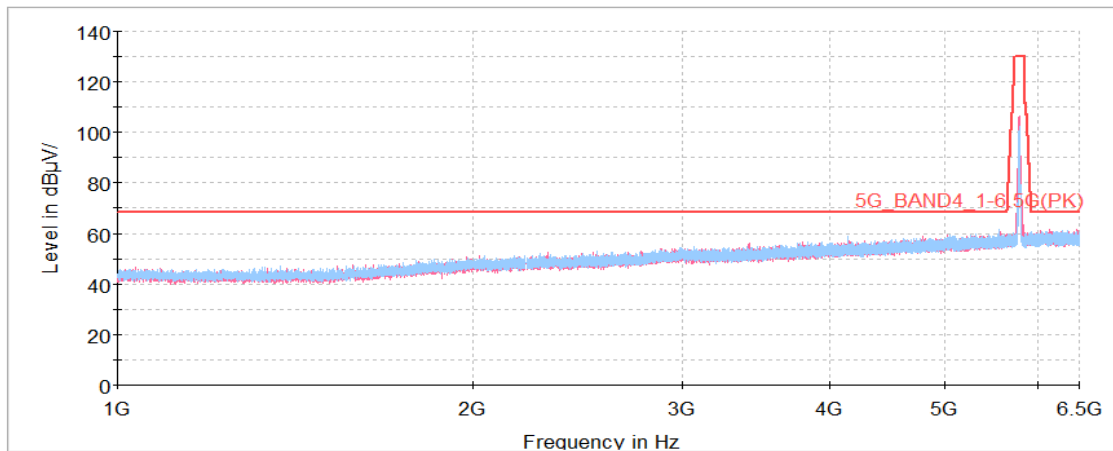


Middle Channel (5 785 MHz)

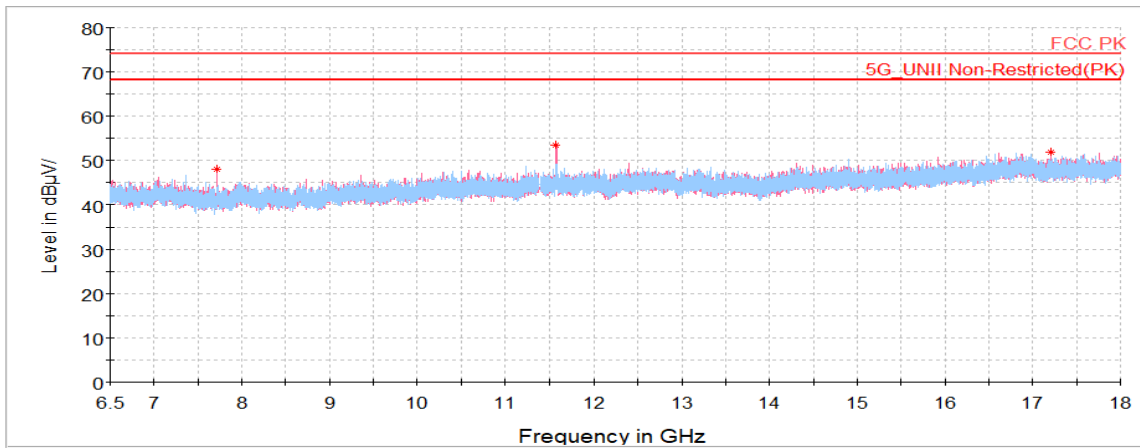
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 713.25 ¹⁾	V	62.84	35.39	-50.25	-	47.98	74.00	26.02
11 571.57 ¹⁾	V	64.63	38.21	-49.36	-	53.48	74.00	20.52
17 212.97	V	57.27	41.32	-46.72	-	51.87	68.20	16.33
Average Data								
11 571.57 ¹⁾	V	55.46	38.21	-49.36	0.77	45.08	54.00	8.92



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

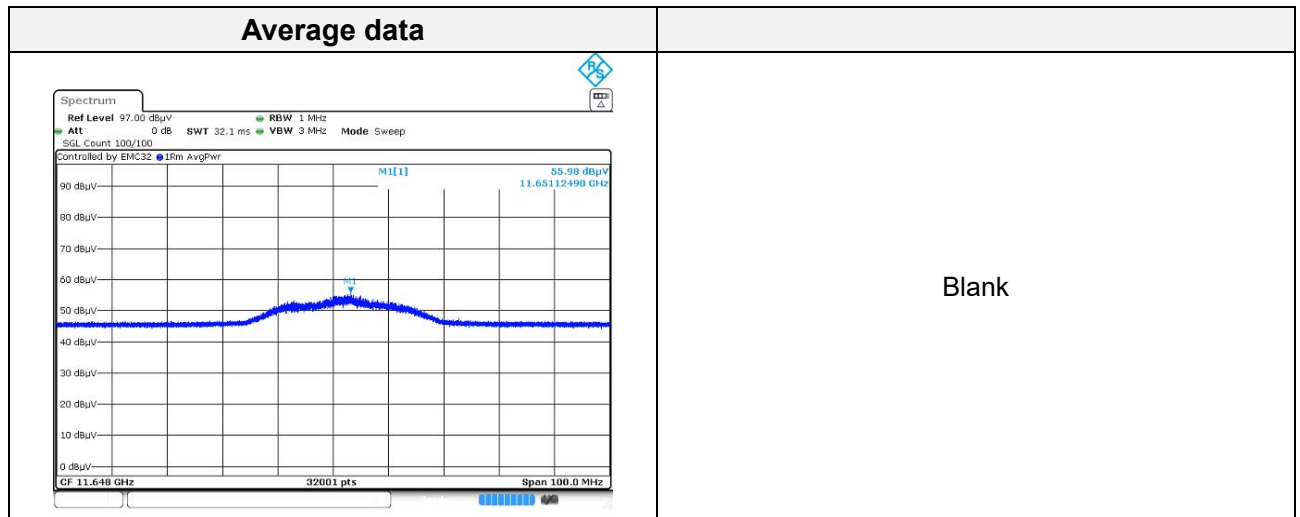


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

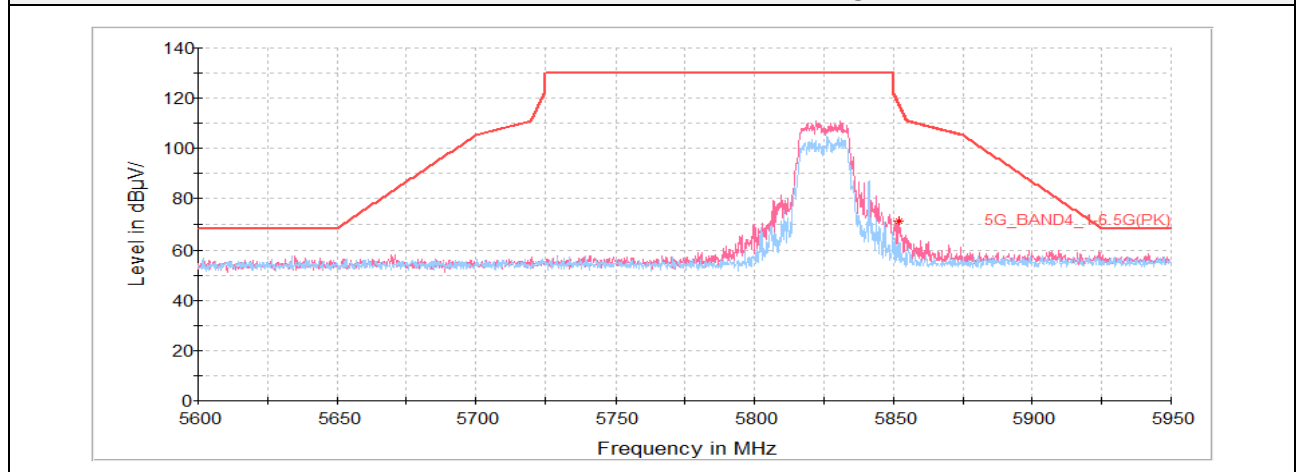


Highest Channel (5 825 MHz)

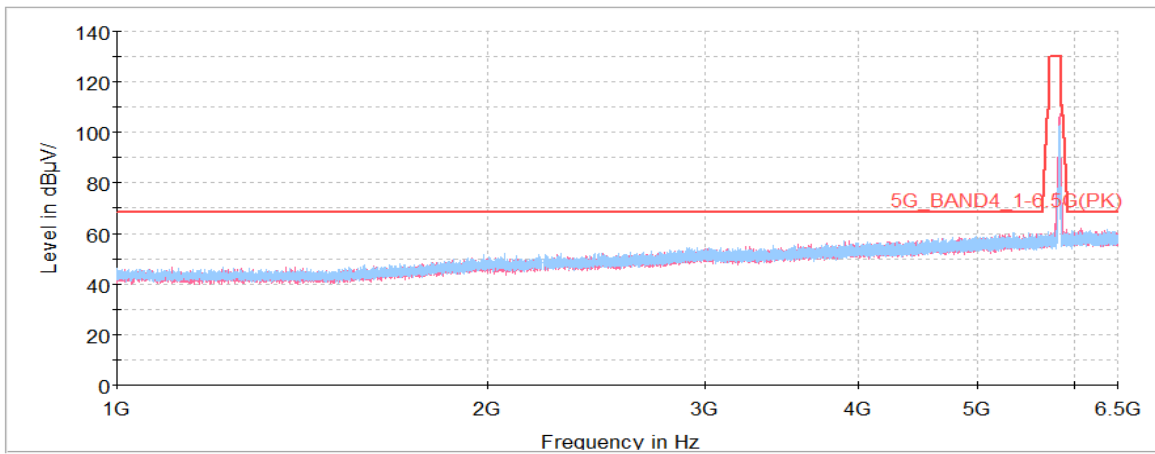
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 852.20	V	60.01	35.02	-23.95	-	71.08	117.18	46.10
7 766.44	V	63.35	35.41	-50.35	-	48.41	68.20	19.79
11 651.12 ¹⁾	V	66.18	38.34	-49.43	-	55.09	74.00	18.91
17 328.33	V	56.48	41.11	-46.75	-	50.84	68.20	17.36
Average Data								
11 651.12 ¹⁾	V	55.98	38.34	-49.43	0.77	45.66	54.00	8.34



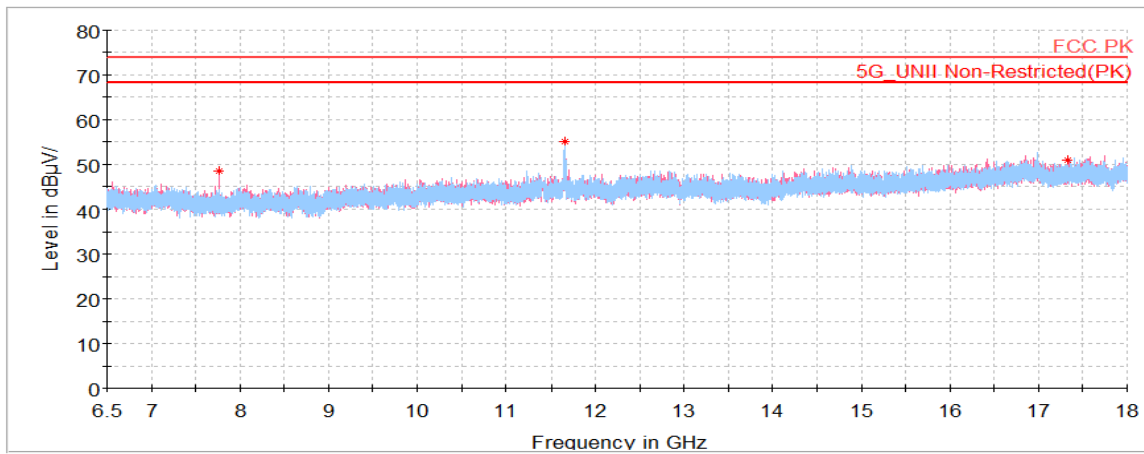
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

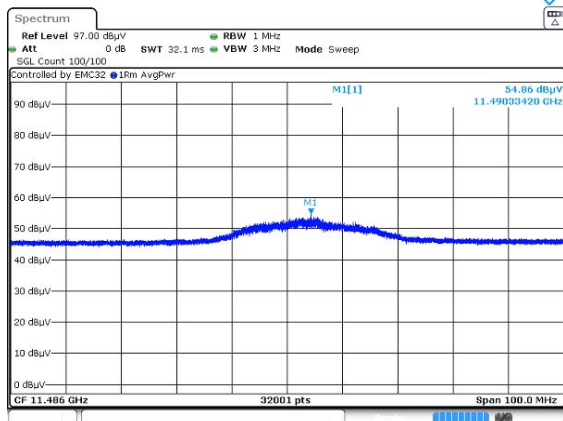


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Lowest Channel (5 745 MHz)

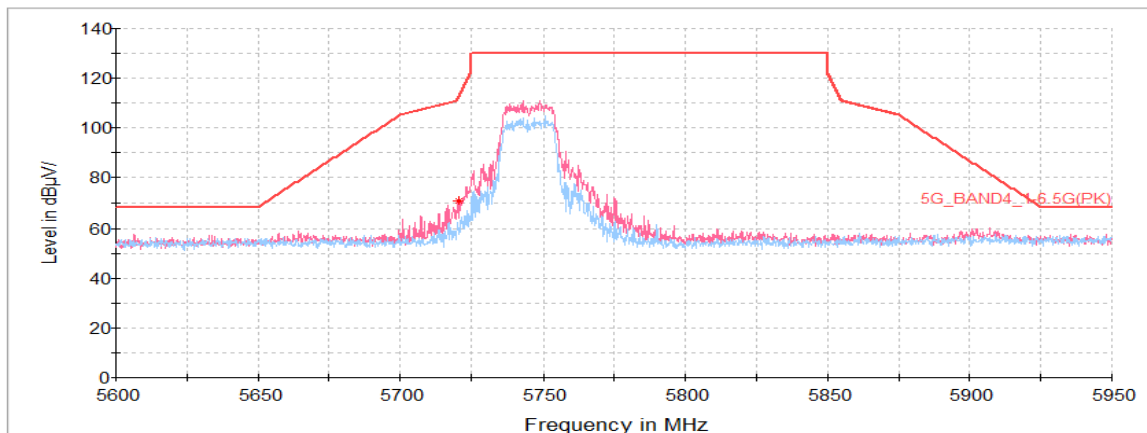
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 720.55	V	60.25	34.86	-24.26	-	70.85	112.05	41.19
7 659.70 ¹⁾	V	61.95	35.36	-50.16	-	47.15	74.00	26.85
11 490.33 ¹⁾	V	65.03	38.09	-49.30	-	53.82	74.00	20.18
17 317.19	V	57.46	41.13	-46.75	-	51.84	68.20	16.36
Average Data								
11 490.33 ¹⁾	V	54.86	38.09	-49.30	0.77	44.42	54.00	9.58

Average data

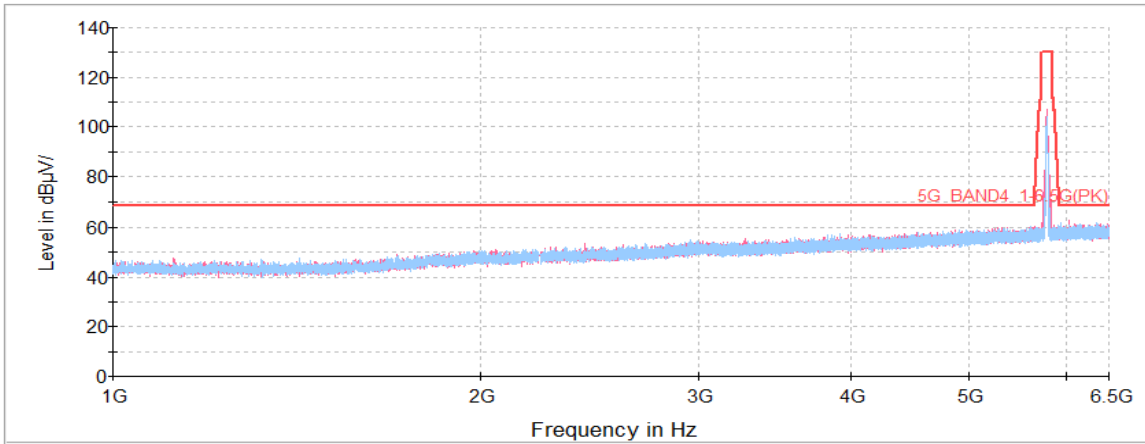


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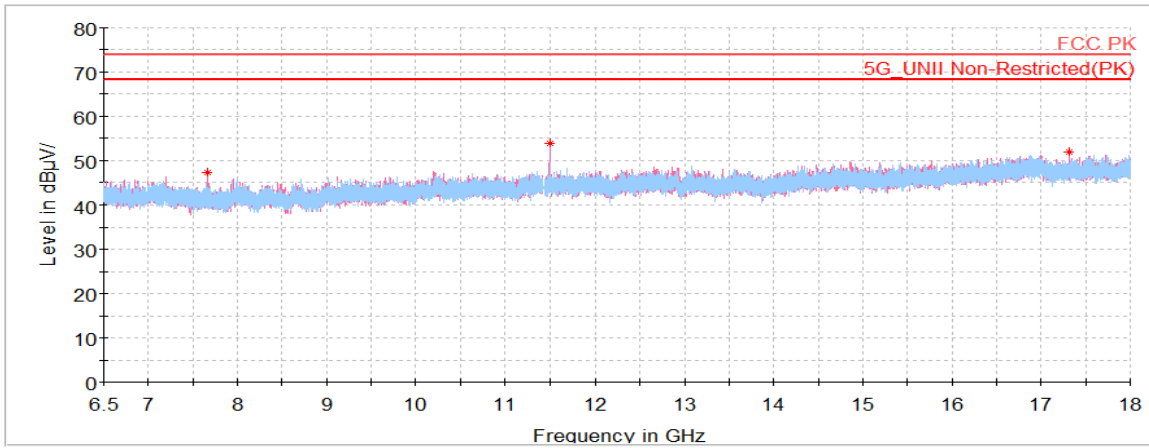
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

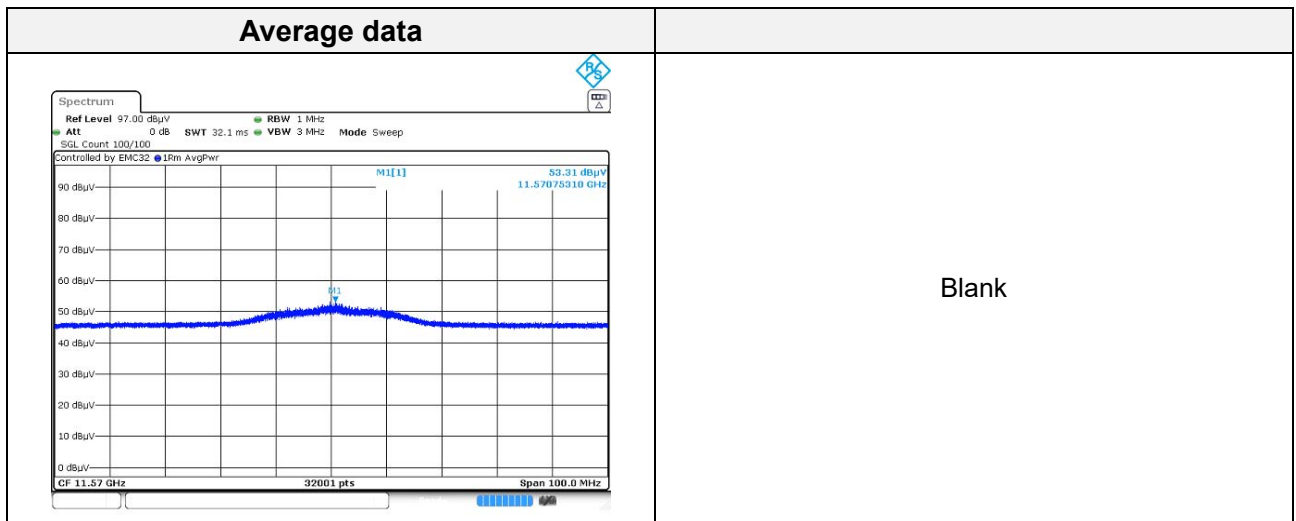


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

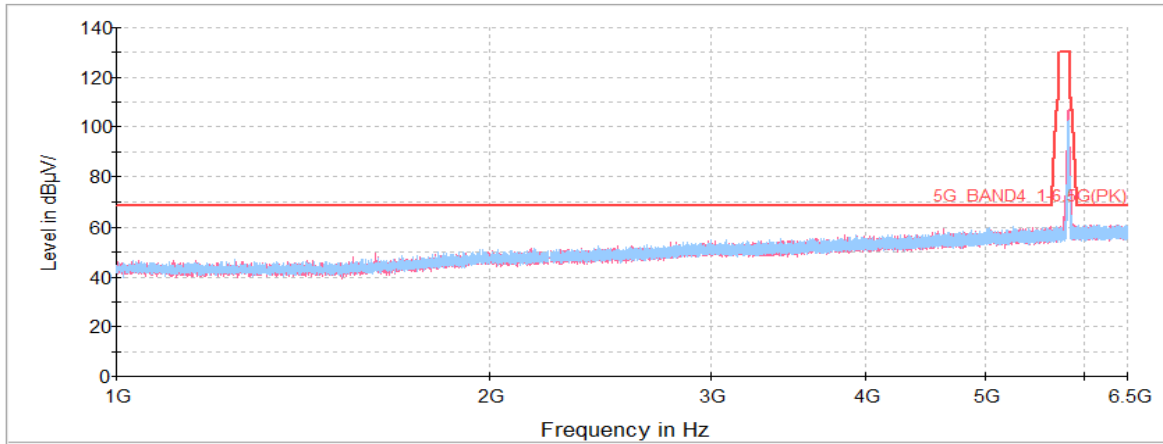


Middle Channel (5 785 MHz)

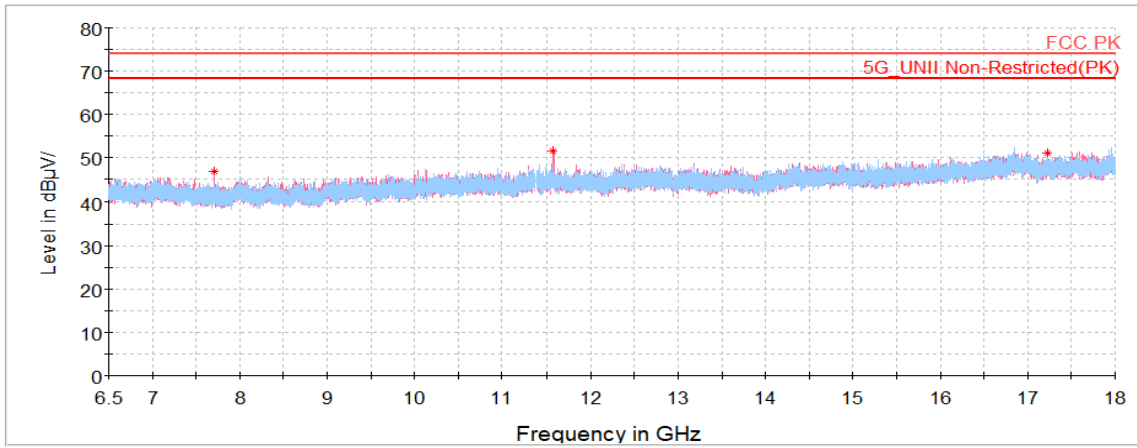
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 713.25 ¹⁾	V	61.71	35.39	-50.25	-	46.85	74.00	27.15
11 570.75 ¹⁾	V	62.84	38.21	-49.36	-	51.69	74.00	22.31
17 228.78	H	56.47	41.29	-46.72	-	51.04	68.20	17.16
Average Data								
11 570.75 ¹⁾	V	53.31	38.21	-49.36	0.77	42.93	54.00	11.07



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

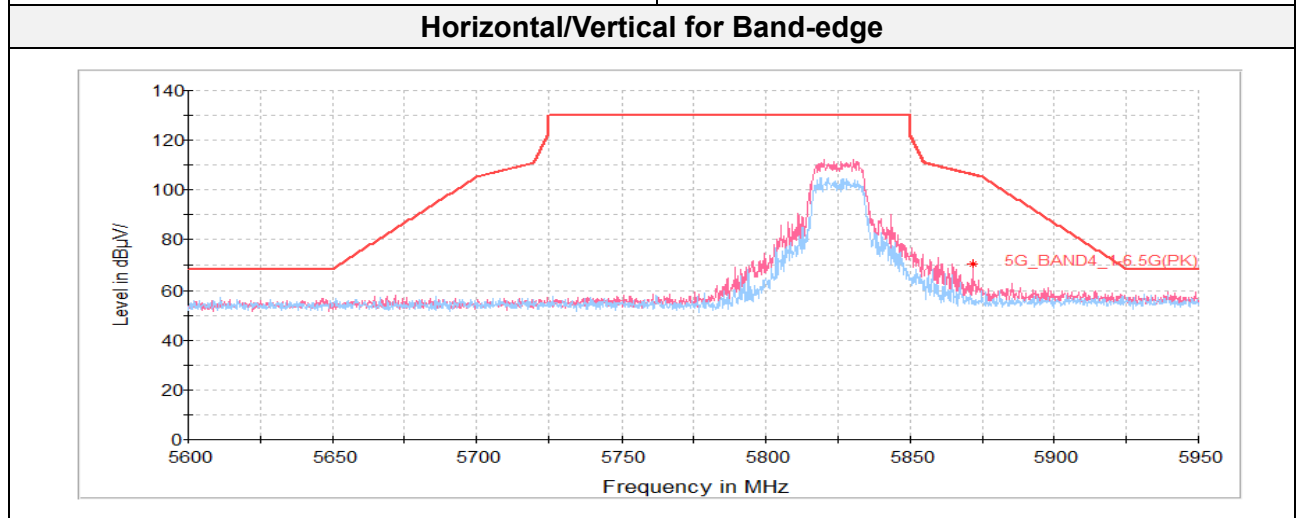
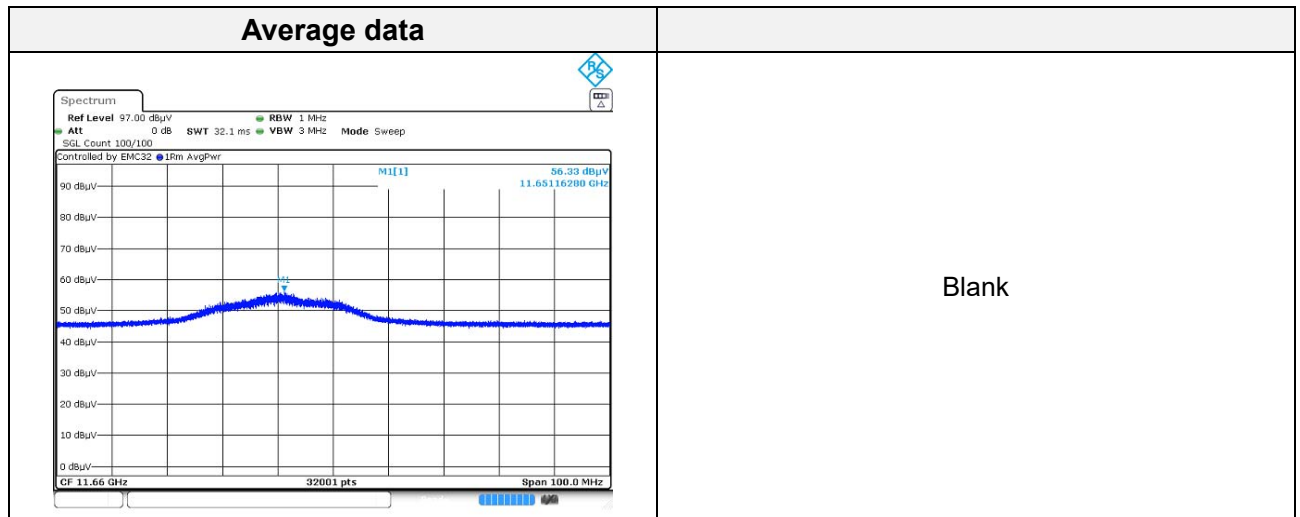


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

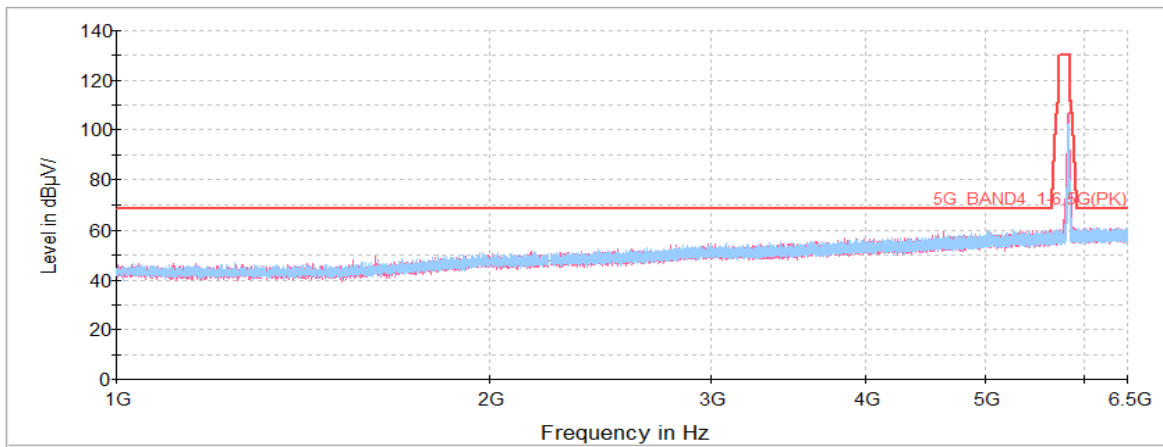


Highest Channel (5 825 MHz)

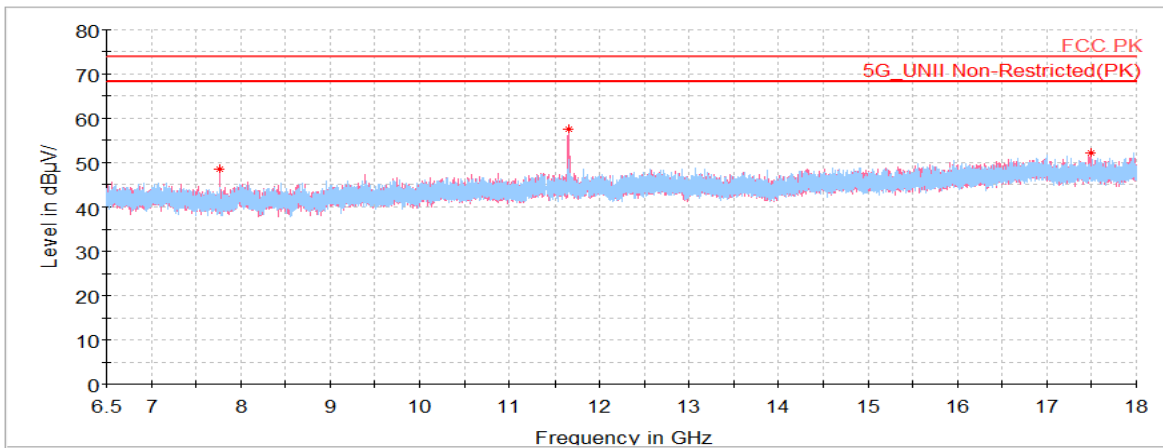
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 871.63	V	59.14	35.05	-23.85	-	70.34	106.15	35.81
7 766.80	V	63.38	35.41	-50.35	-	48.44	68.20	19.76
11 651.16 ¹⁾	V	68.60	38.34	-49.43	-	57.51	74.00	16.49
17 489.69	V	58.11	40.82	-46.79	-	52.14	68.20	16.06
Average Data								
11 651.16 ¹⁾	V	56.33	38.34	-49.43	0.77	46.01	54.00	7.99



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

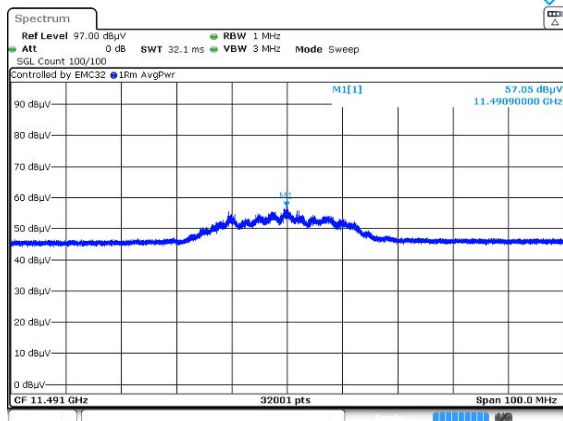


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Lowest Channel (5 745 MHz)

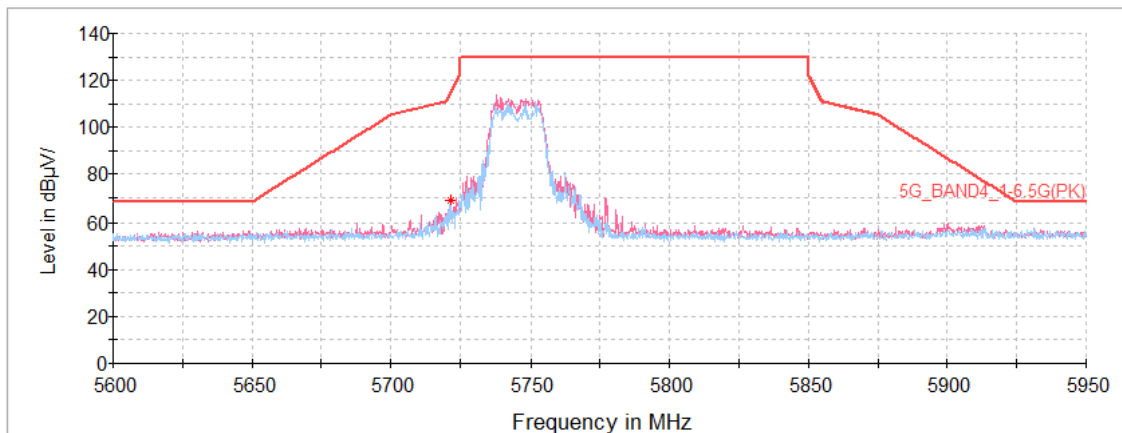
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 721.58	H	58.14	34.87	-24.25	-	68.76	114.40	45.64
7 660.06 ¹⁾	V	62.57	35.36	-50.16	-	47.77	74.00	26.23
11 490.90 ¹⁾	V	69.00	38.09	-49.30	-	57.79	74.00	16.21
17 233.81	V	57.22	41.28	-46.73	-	51.77	68.20	16.43
Average Data								
11 490.90 ¹⁾	V	57.05	38.09	-49.30	0.77	46.61	54.00	7.39

Average data

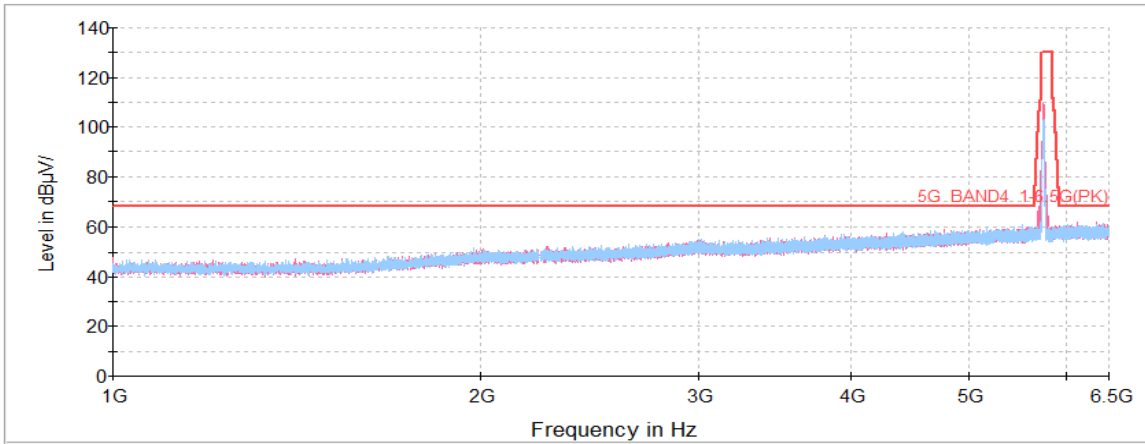


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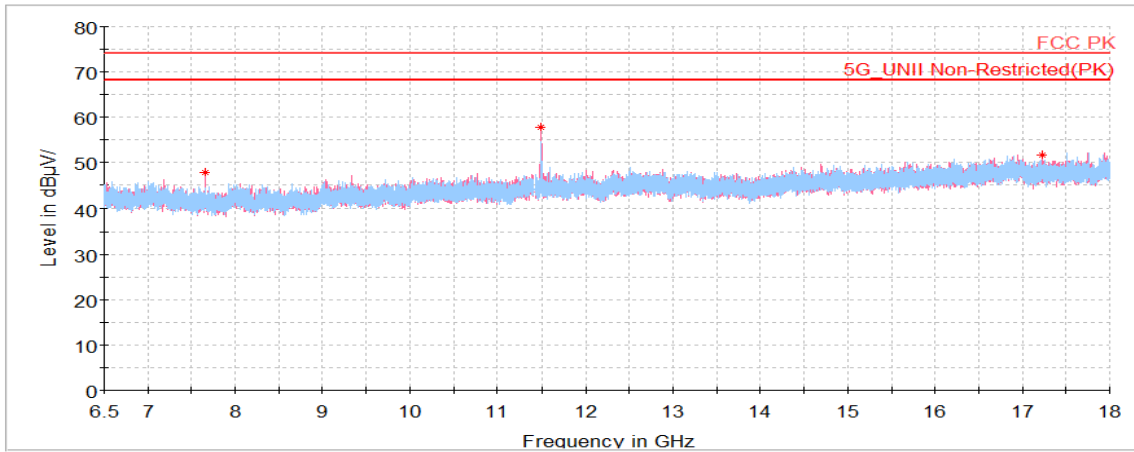
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

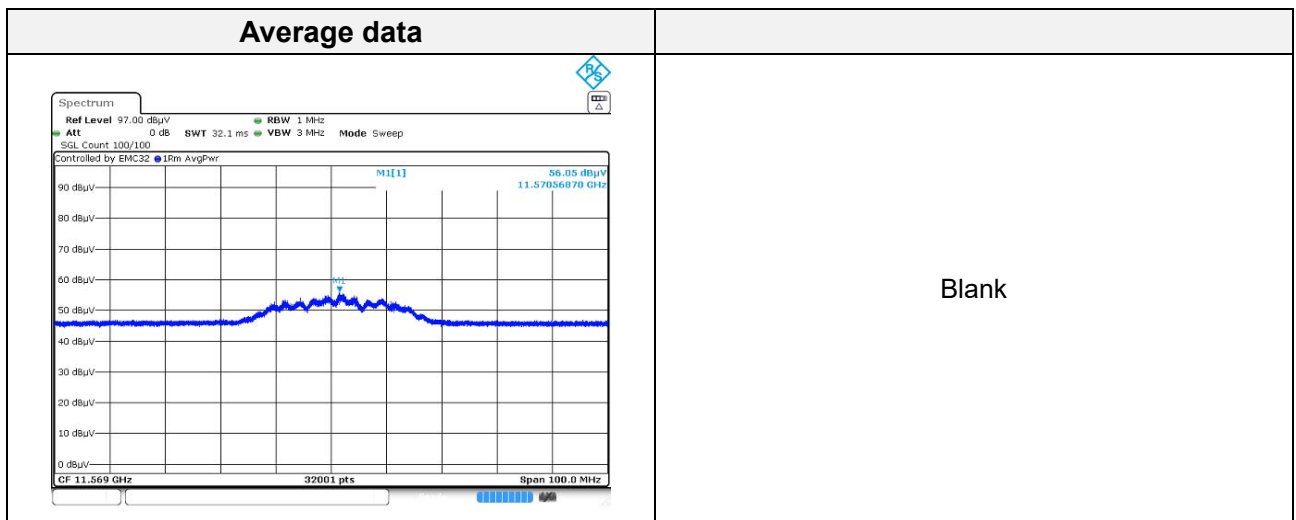


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

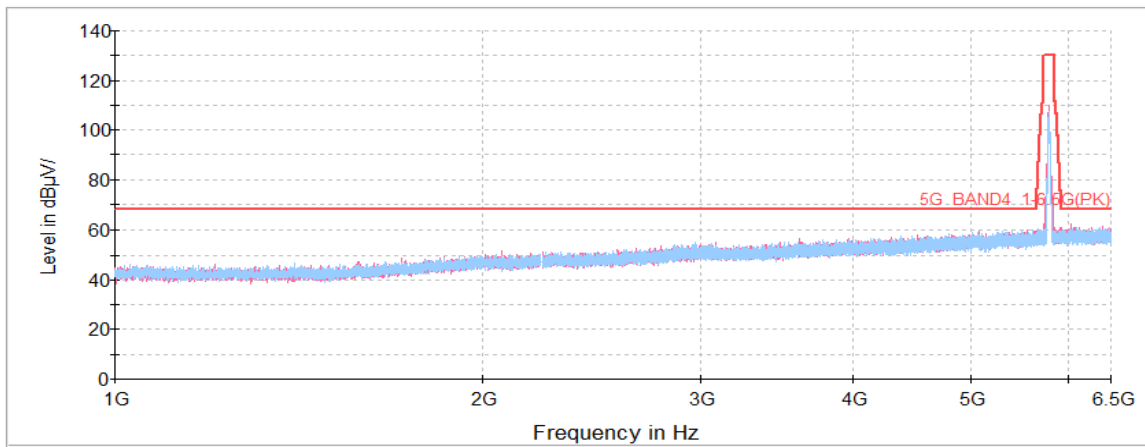


Middle Channel (5 785 MHz)

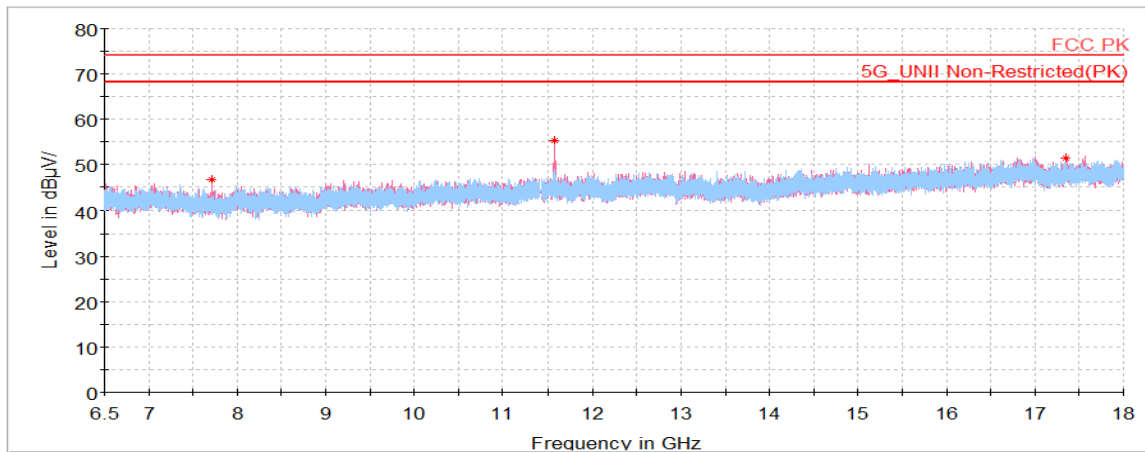
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
7 713.61 ¹⁾	V	61.54	35.39	-50.25	-	46.68	74.00	27.32
11 570.57 ¹⁾	V	66.52	38.21	-49.36	-	55.37	74.00	18.63
17 346.66	H	57.18	41.08	-46.76	-	51.50	68.20	16.70
Average Data								
11 570.57 ¹⁾	V	56.05	38.21	-49.36	0.77	45.67	54.00	8.33



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



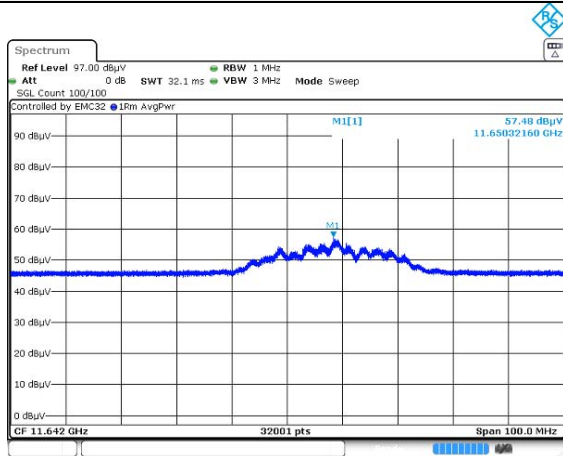
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Highest Channel (5 825 MHz)

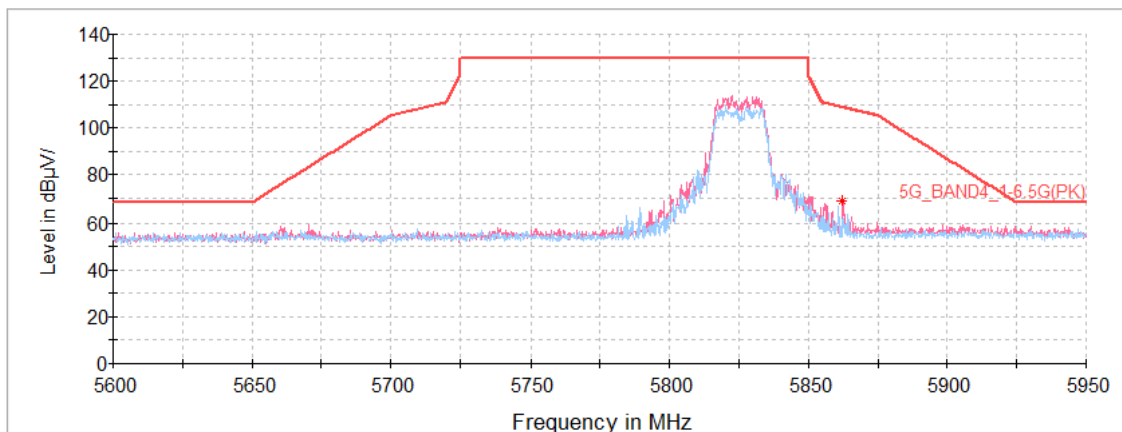
Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Antenna Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
1 616.86 ¹⁾	V	67.67	28.49	-46.96	-	49.20	74.00	24.80
5 862.34	V	57.53	35.03	-23.90	-	68.66	108.74	40.08
7 766.80	V	63.64	35.41	-50.35	-	48.70	68.20	19.50
11 650.32 ¹⁾	V	64.55	38.34	-49.43	-	53.46	74.00	20.54
17 470.28	V	57.23	40.85	-46.79	-	51.29	68.20	16.91
Average Data								
11 650.32 ¹⁾	V	57.48	38.34	-49.43	0.77	47.16	54.00	6.84

Average data

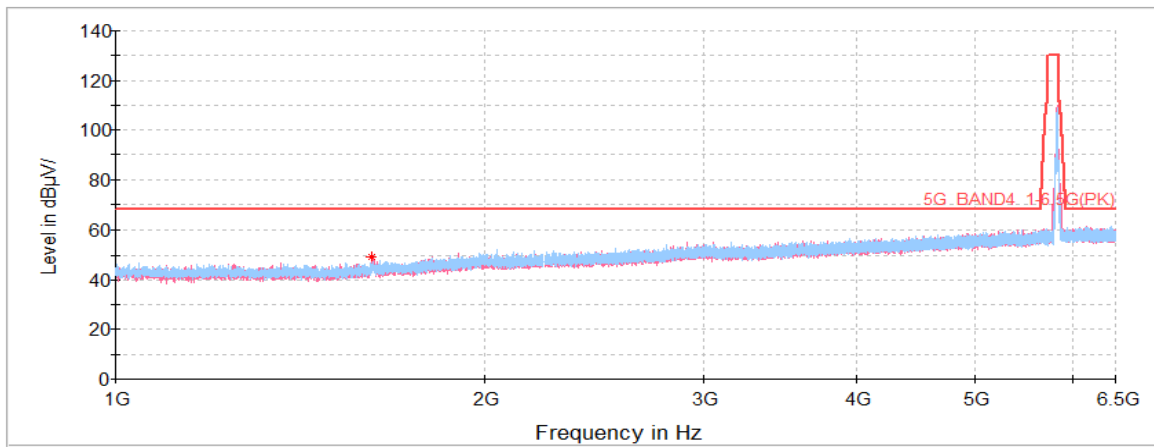


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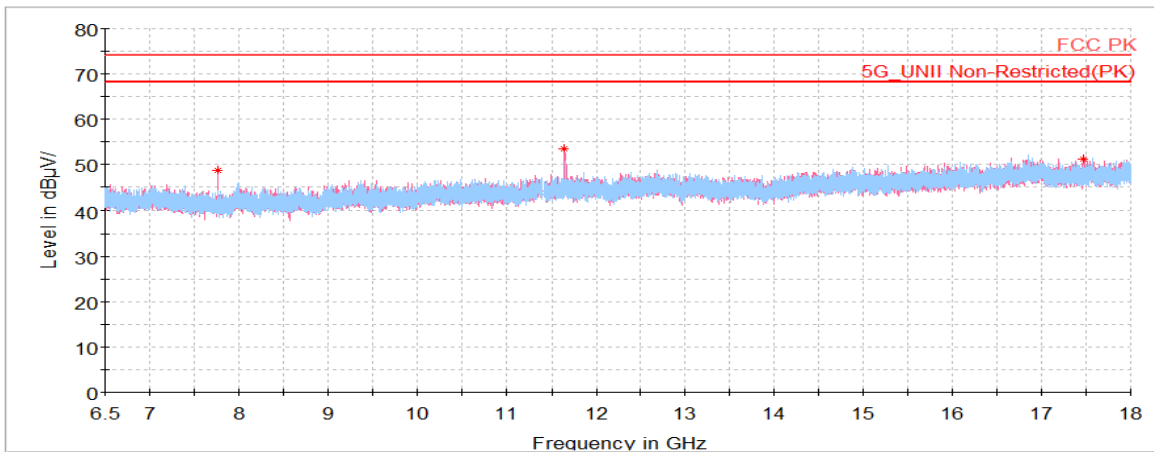
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



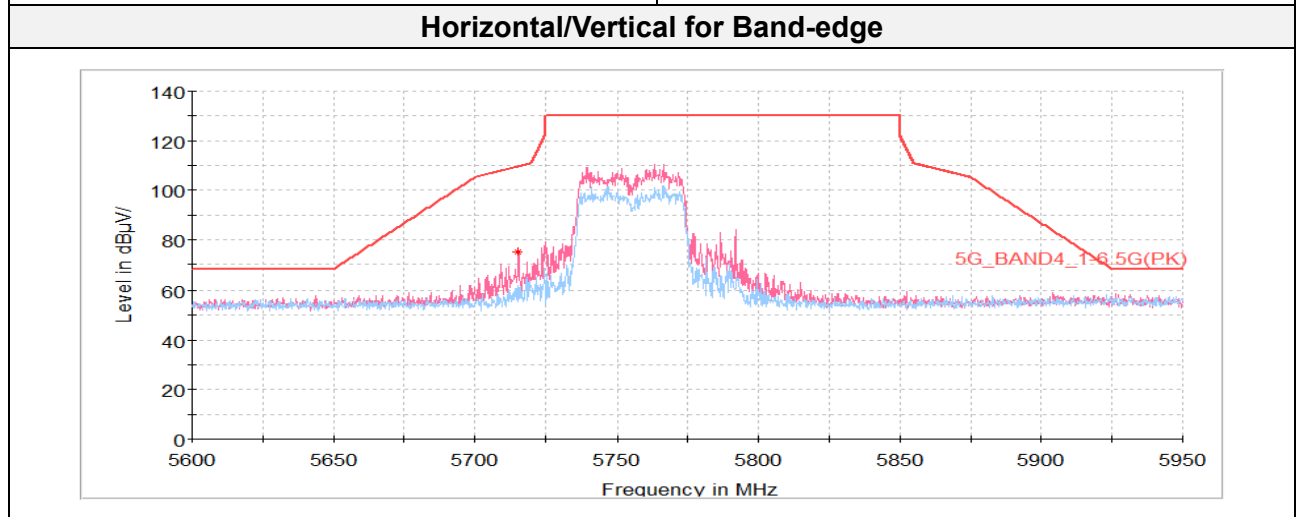
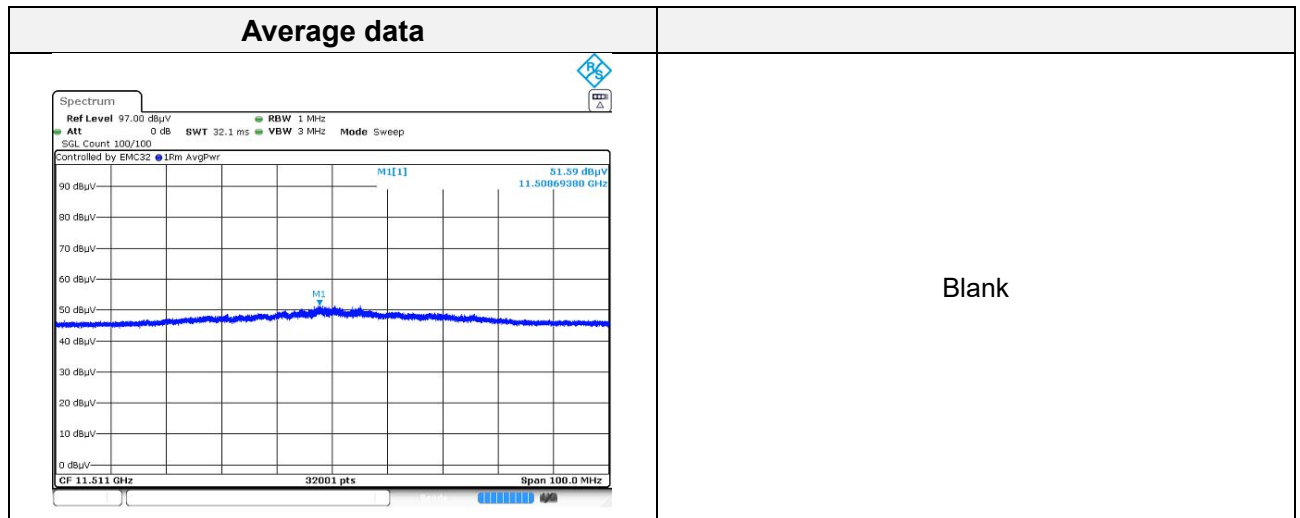
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



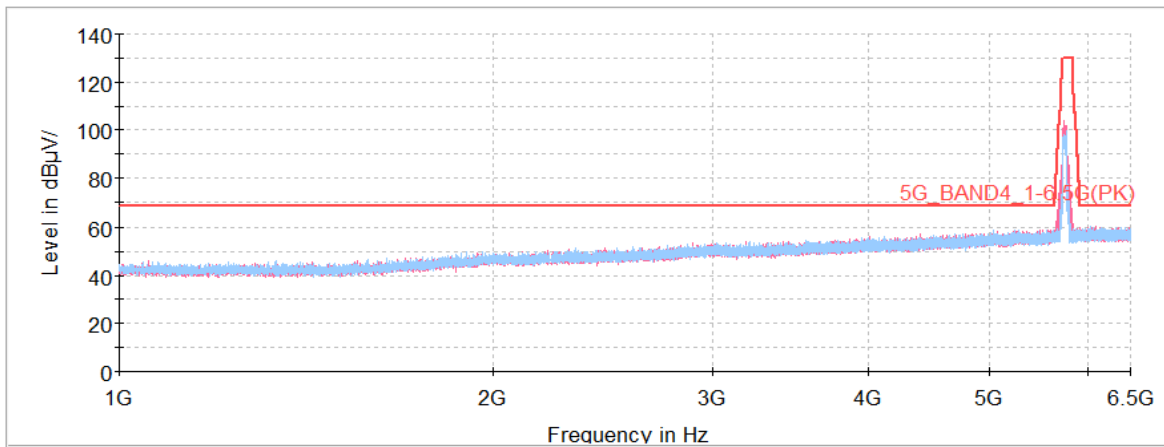
802.11ac VHT40 UNII 3 ANT 0

Lowest Channel (5 755 MHz)

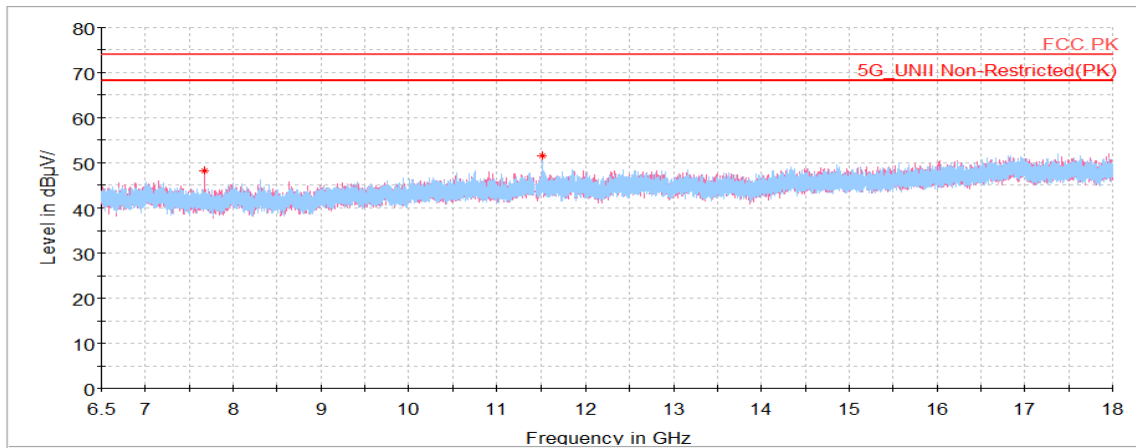
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 715.39	V	64.54	34.86	-24.26	-	75.14	109.51	34.37
7 673.00 ¹⁾	V	62.95	35.37	-50.18	-	48.14	74.00	25.86
11 508.69 ¹⁾	V	62.71	38.11	-49.31	-	51.51	74.00	22.49
Average Data								
11 508.69 ¹⁾	V	51.59	38.11	-49.31	0.89	41.28	54.00	12.72



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

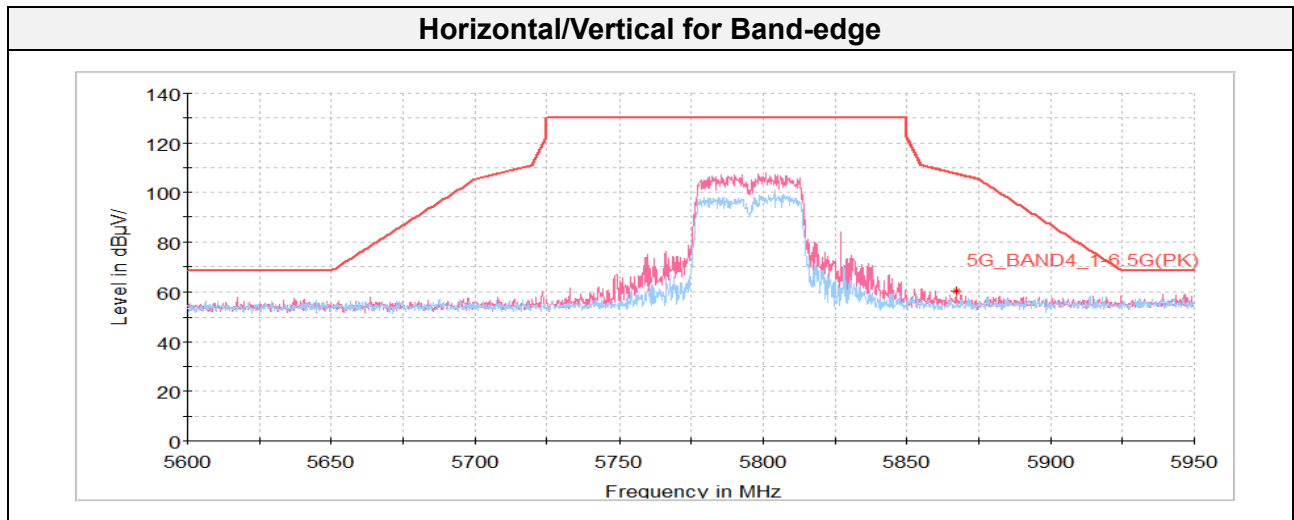


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

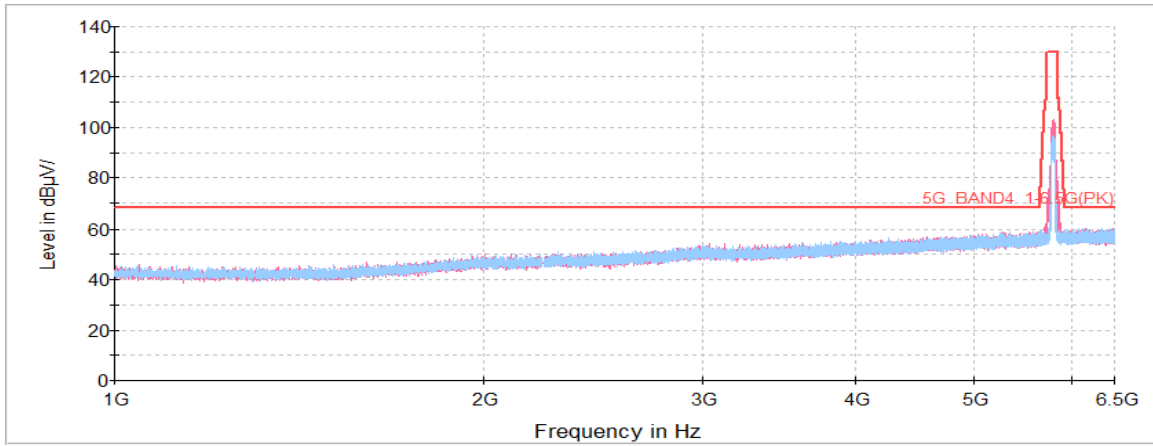


Highest Channel (5 795 MHz)

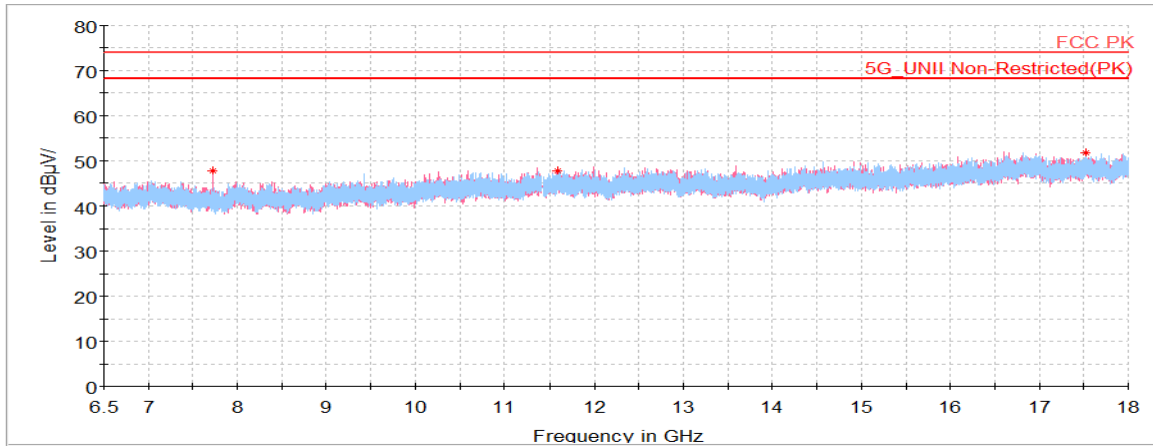
Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Antenna Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB($\mu V/m$))	Limit (dB($\mu V/m$))	Margin (dB)
Peak data								
5 866.98	V	49.27	35.04	-23.87	-	60.44	107.44	47.00
7 726.55 ¹⁾	V	62.47	35.39	-50.28	-	47.58	74.00	26.42
11 591.63 ¹⁾	V	58.80	38.25	-49.38	-	47.67	74.00	26.33
17 527.06	H	57.71	40.86	-46.85	-	51.72	68.20	16.48
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



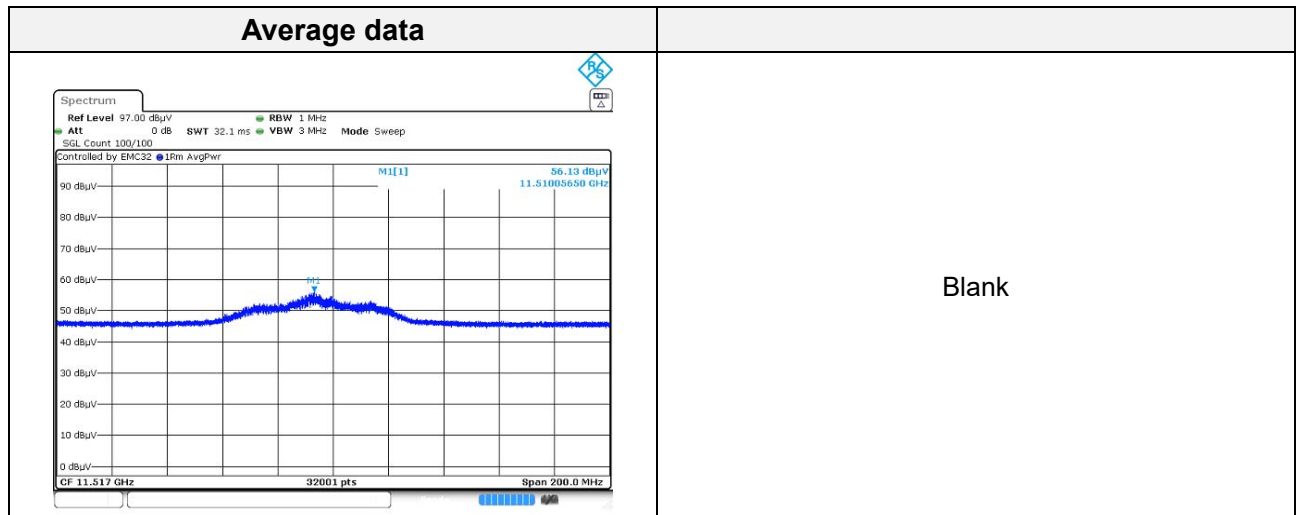
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



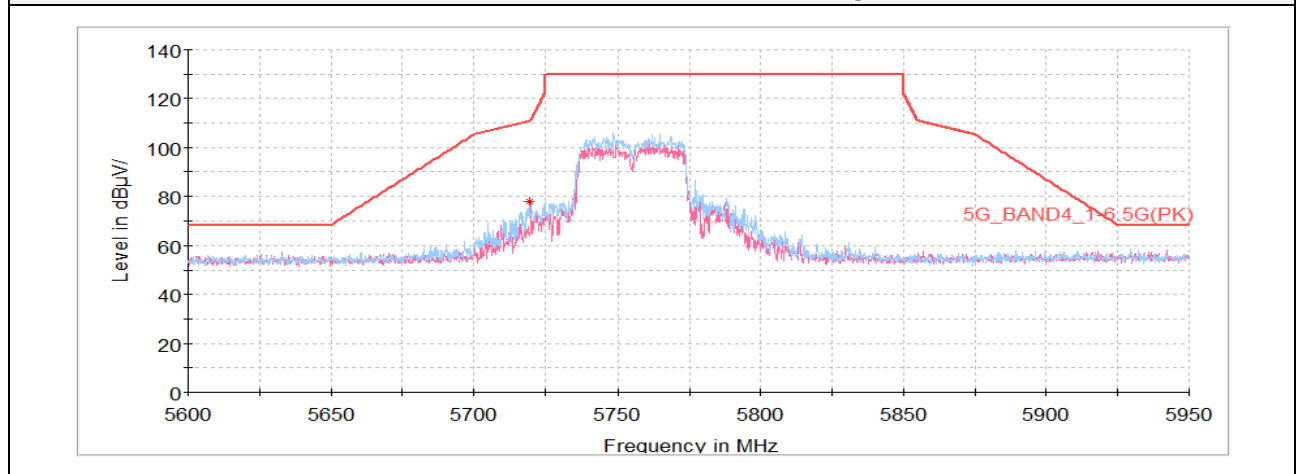
802.11ac VHT40 UNII 3 ANT 1

Lowest Channel (5 755 MHz)

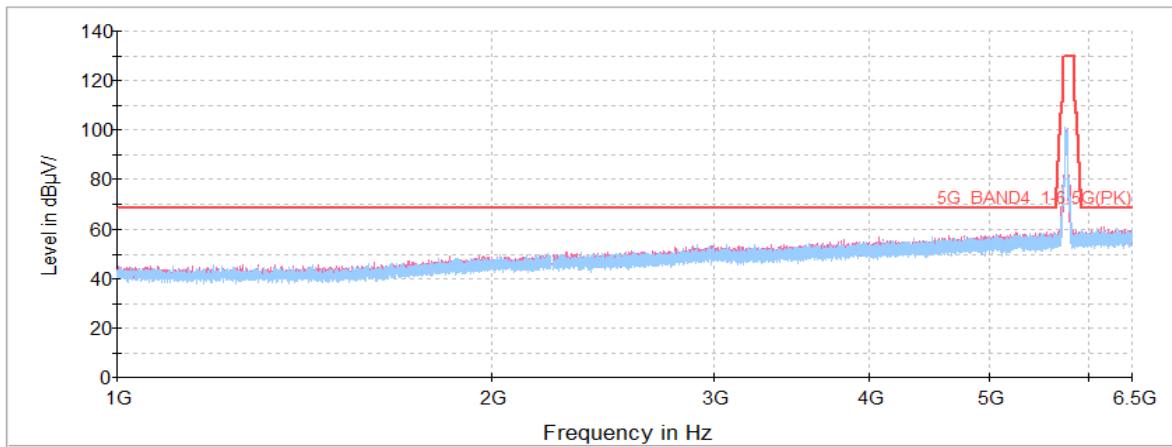
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 719.52	H	67.06	34.86	-24.26	-	77.66	110.66	33.00
7 673.00 ¹⁾	V	62.91	35.37	-50.18	-	48.10	74.00	25.90
11 510.06 ¹⁾	V	67.12	38.12	-49.31	-	55.93	74.00	18.07
17 371.45	H	57.50	41.03	-46.76	-	51.77	68.20	16.43
Average Data								
11 510.06 ¹⁾	V	56.13	38.12	-49.31	0.89	45.83	54.00	8.17



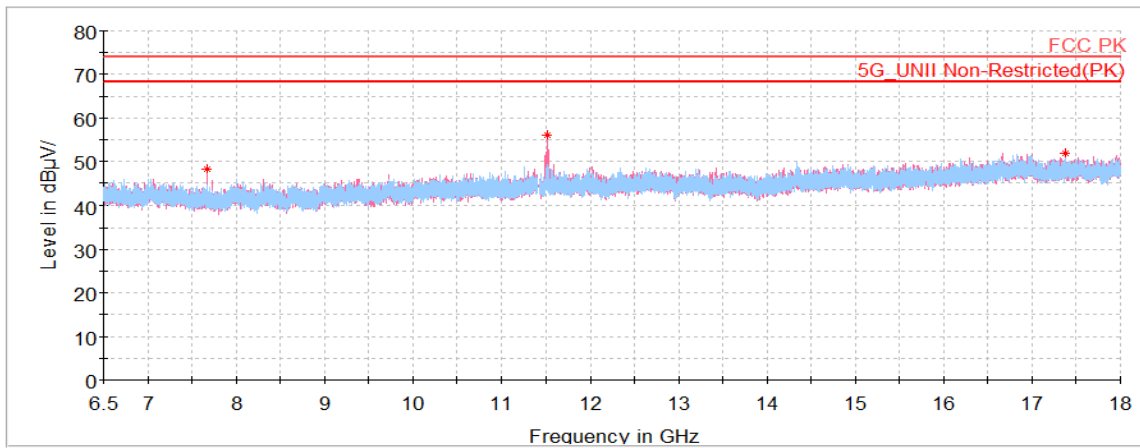
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

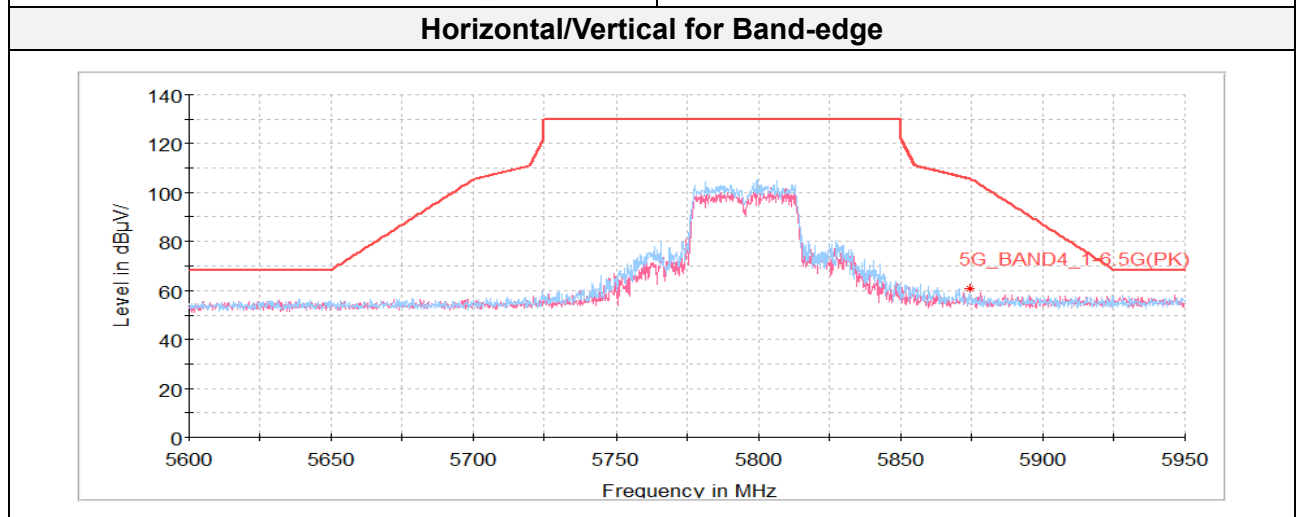
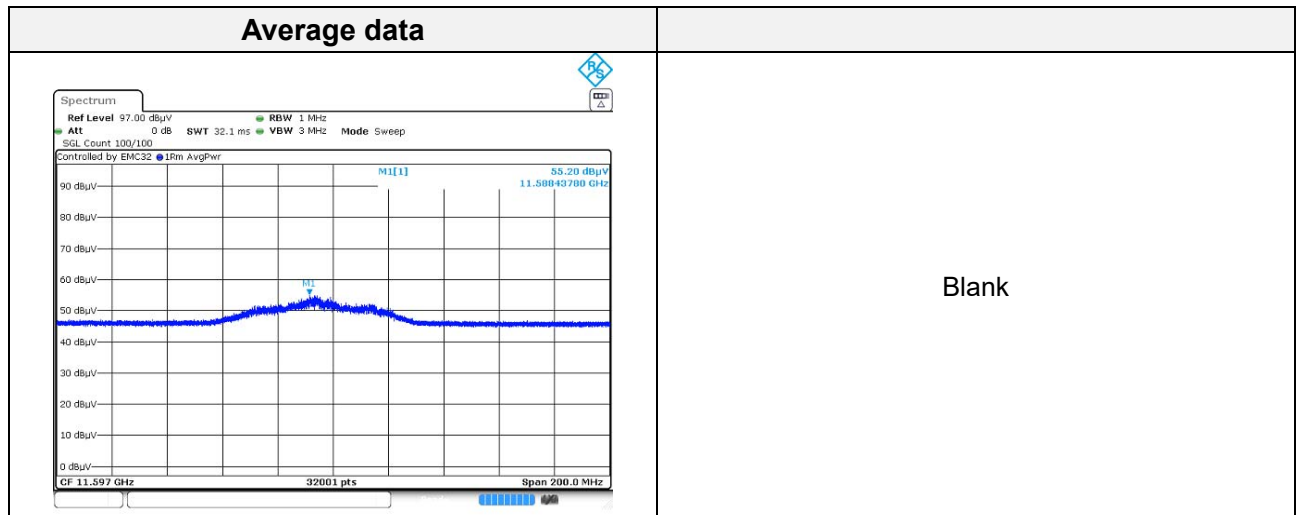


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

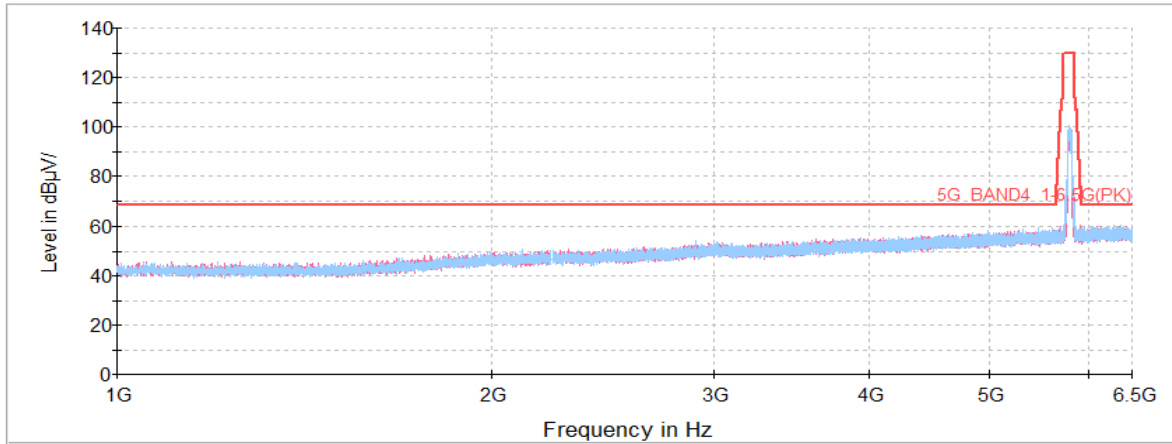


Highest Channel (5 795 MHz)

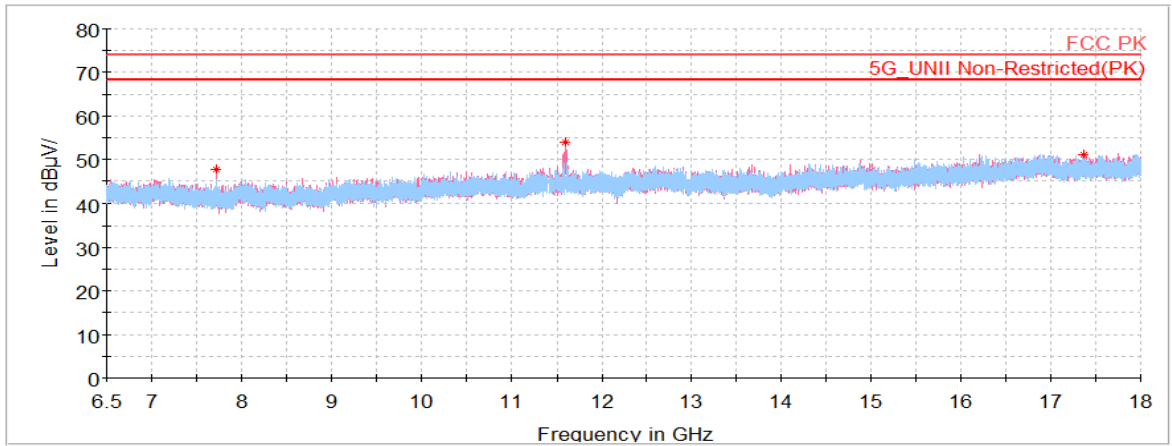
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 874.20	H	49.86	35.05	-23.84	-	61.07	105.42	44.35
7 726.91 ¹⁾	V	62.58	35.39	-50.28	-	47.69	74.00	26.31
11 588.44 ¹⁾	V	65.11	38.24	-49.38	-	53.97	74.00	20.03
17 368.58	H	56.88	41.04	-46.76	-	51.16	68.20	17.04
Average Data								
11 588.44 ¹⁾	V	55.20	38.24	-49.38	0.89	44.95	54.00	9.05



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

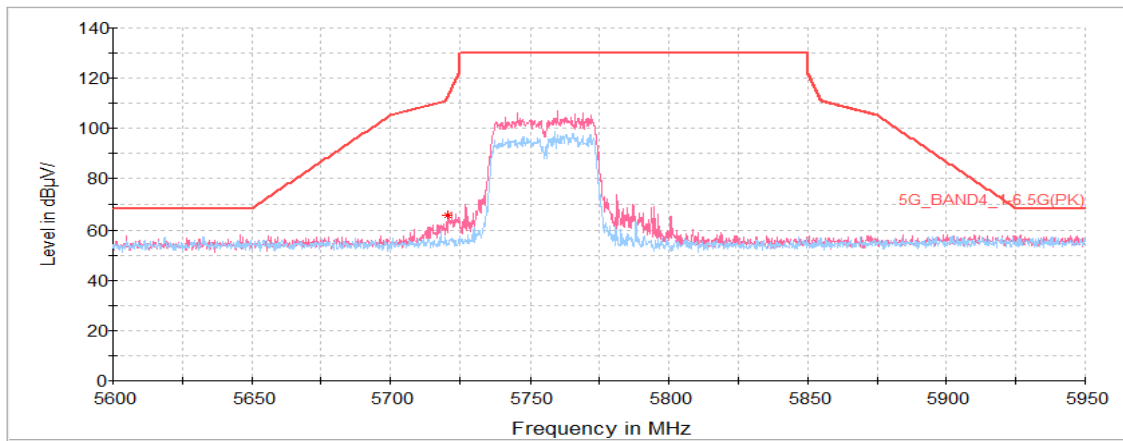


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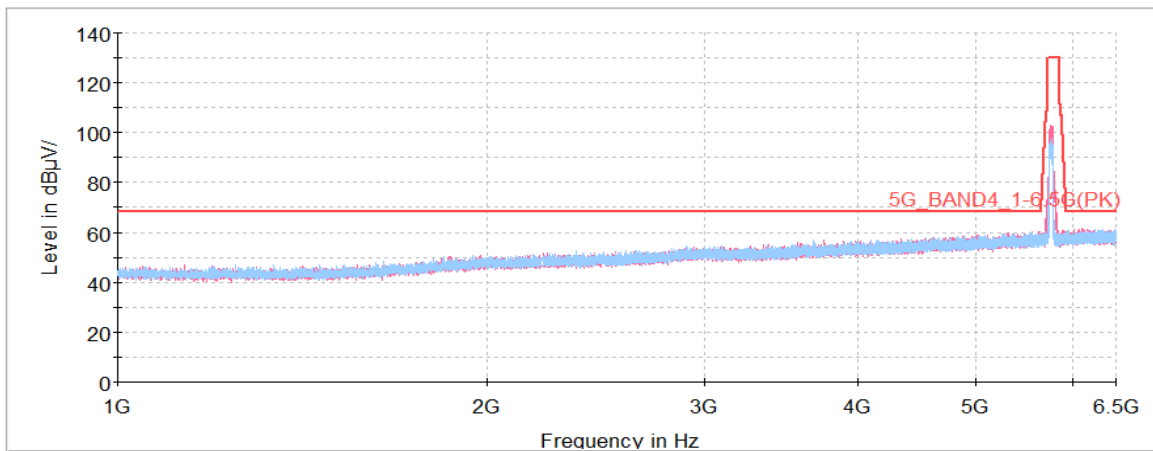
Lowest Channel (5 755 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Antenna Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB($\mu V/m$))	Limit (dB($\mu V/m$))	Margin (dB)
Peak data								
5 720.89	V	55.39	34.87	-24.26	-	66.00	112.83	46.83
11 527.66 ¹⁾	V	60.63	38.14	-49.33	-	49.44	74.00	24.56
15 781.94 ¹⁾	V	55.73	40.73	-45.72	-	50.74	74.00	23.26
17 537.13	V	56.99	40.84	-46.87	-	50.96	68.20	17.24
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

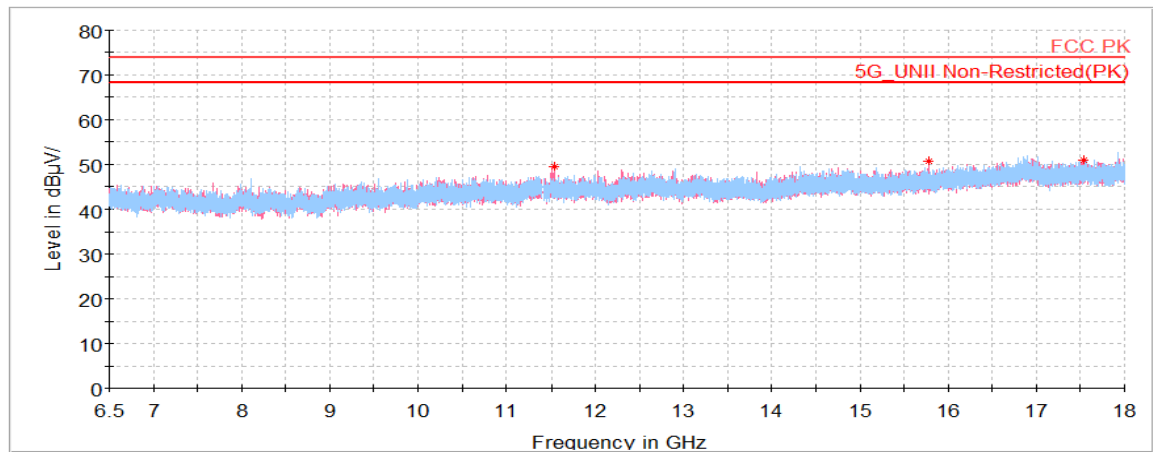
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz



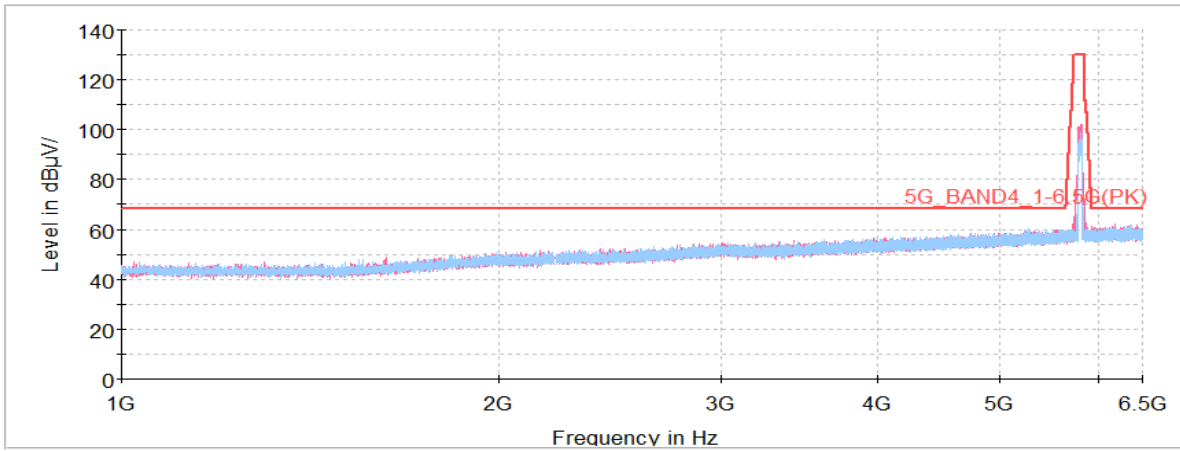
Highest Channel (5 795 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Antenna Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μV/m))	Limit (dB(μV/m))	Margin (dB)
Peak data								
5 856.50	V	46.05	35.03	-23.93	-	57.15	110.38	53.23
7 726.55 ¹⁾	V	62.10	35.39	-50.28	-	47.21	74.00	26.79
11 585.88 ¹⁾	V	62.02	38.24	-49.37	-	50.89	74.00	23.11
17 349.89	H	56.52	41.07	-46.76	-	50.83	68.20	17.37
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

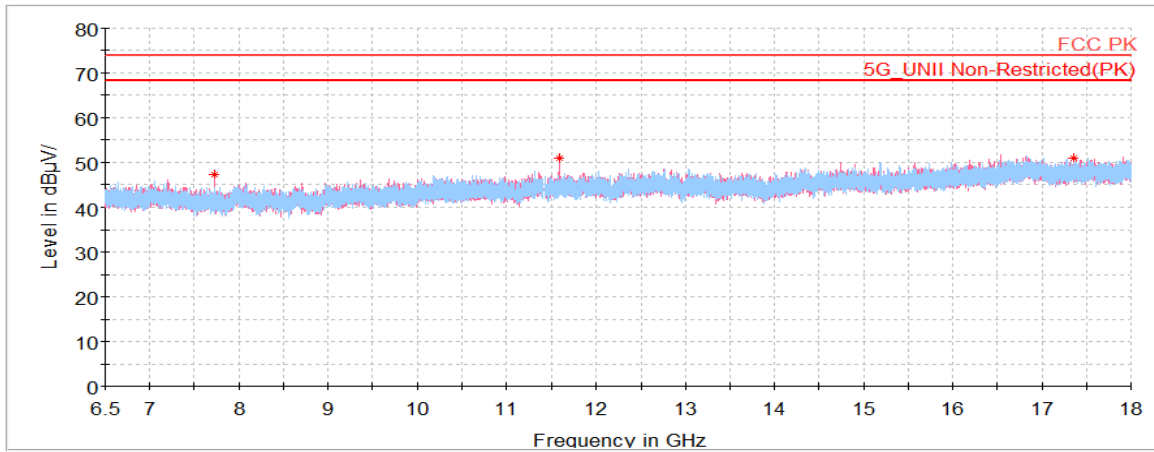
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

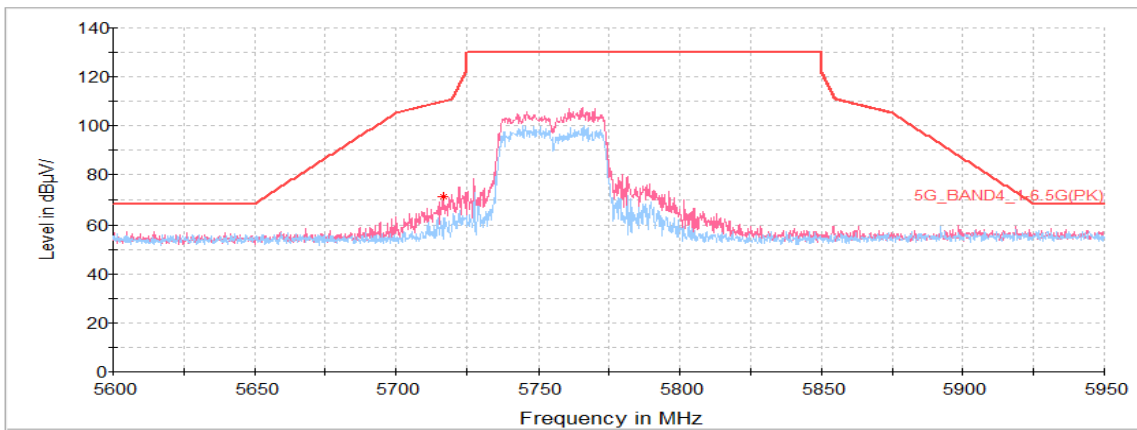


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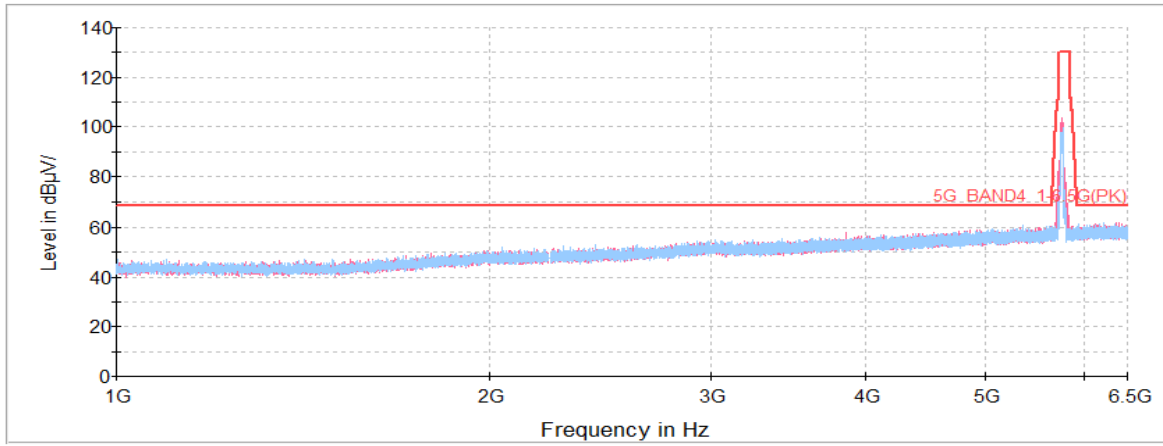
Lowest Channel (5 755 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Antenna Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 716.77	V	60.64	34.86	-24.26	-	71.24	109.89	38.65
7 673.36 ¹⁾	V	63.15	35.37	-50.18	-	48.34	74.00	25.66
11 529.45 ¹⁾	V	58.96	38.15	-49.33	-	47.78	74.00	26.22
17 196.44	V	55.69	41.35	-46.72	-	50.32	68.20	17.88
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

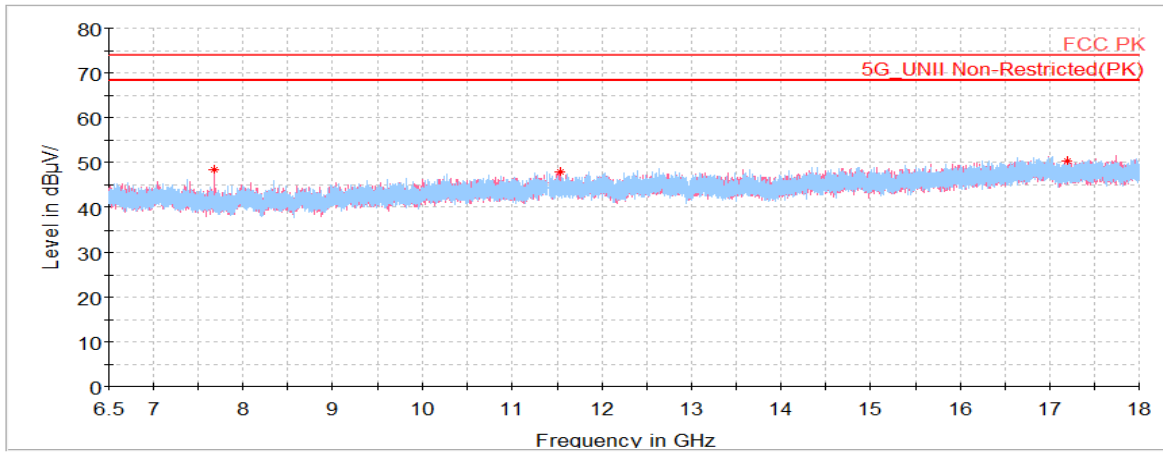
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

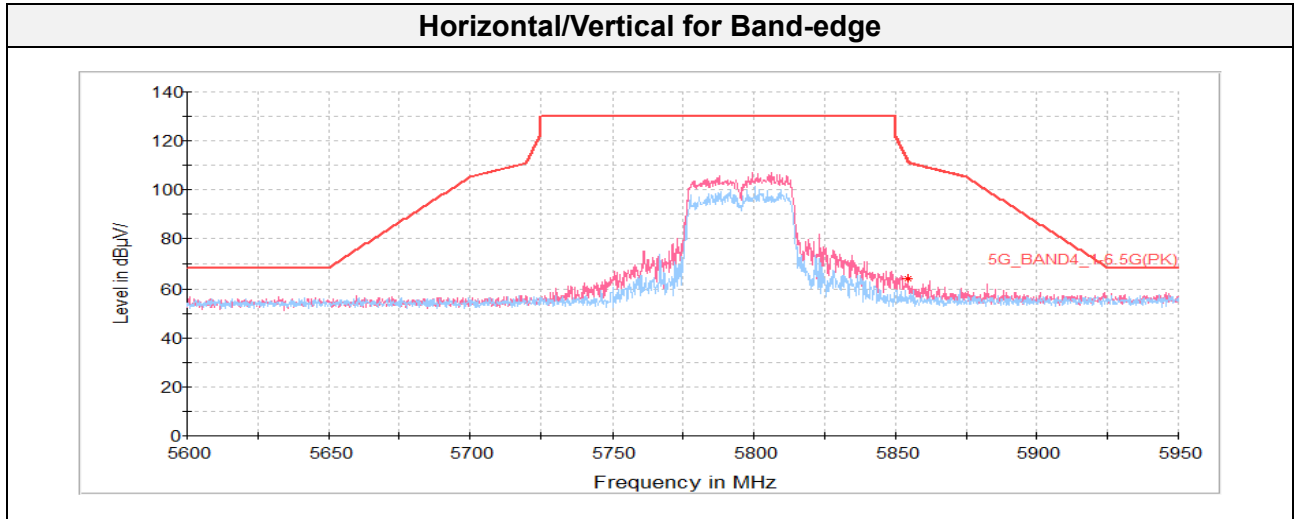


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

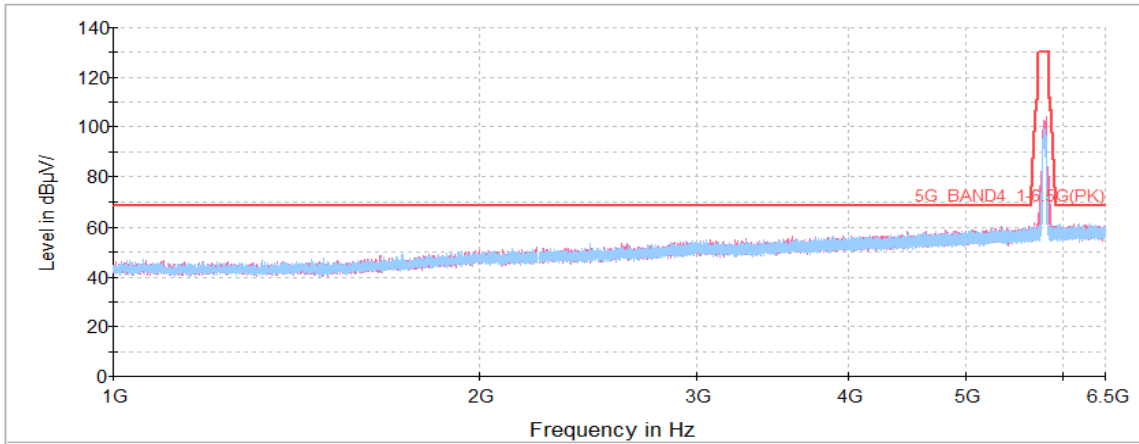


Highest Channel (5 795 MHz)

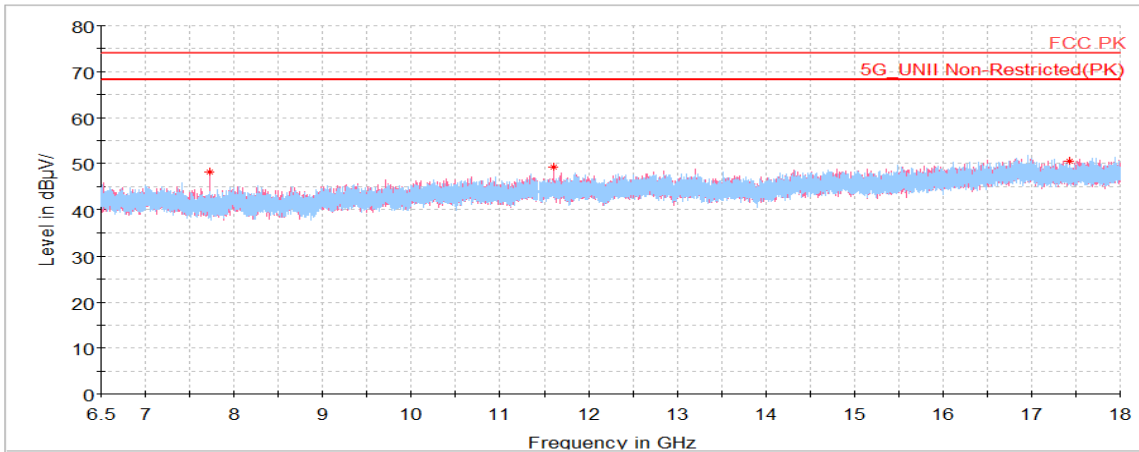
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 854.44	V	52.86	35.03	-23.94	-	63.95	112.08	48.13
7 726.55 ¹⁾	V	62.93	35.39	-50.28	-	48.04	74.00	25.96
11 606.72 ¹⁾	V	60.33	38.27	-49.39	-	49.21	74.00	24.79
17 433.27	V	56.33	40.92	-46.78	-	50.47	68.20	17.73
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

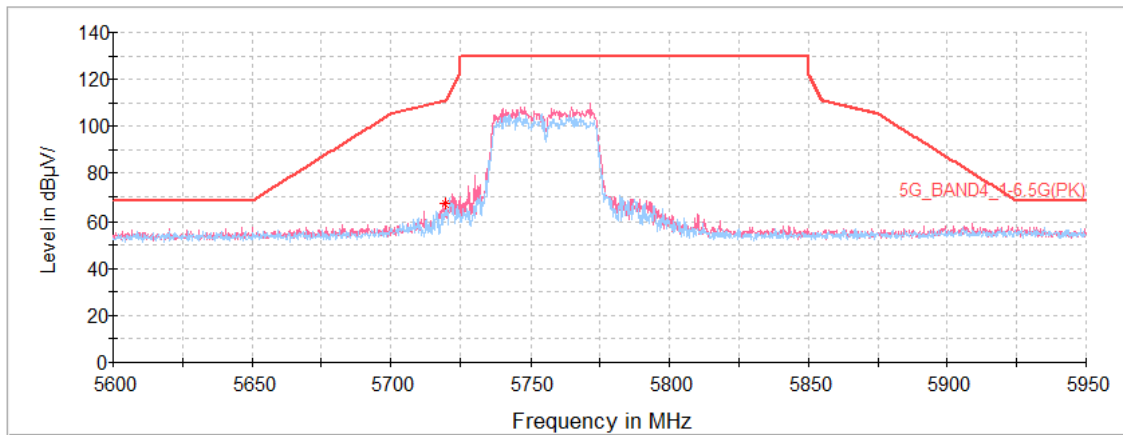


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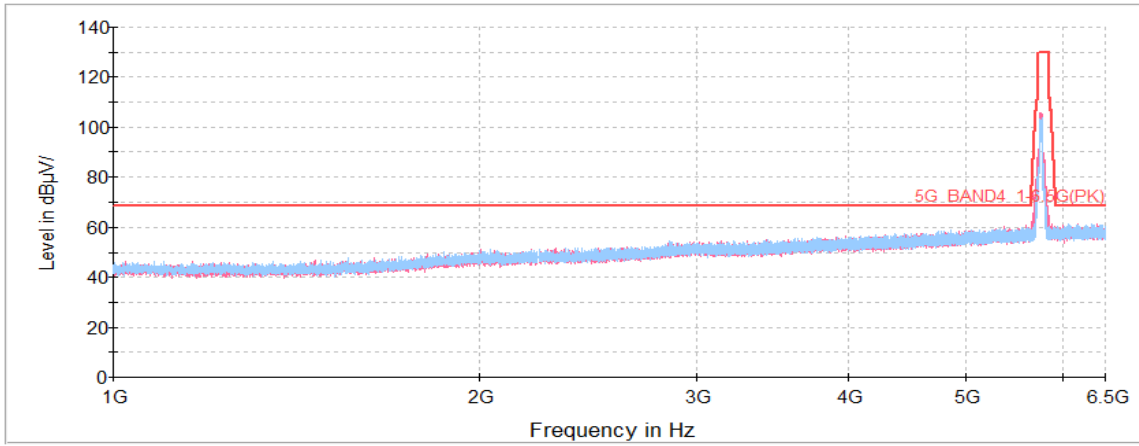
Lowest Channel (5 755 MHz)

Frequency (MHz)	Pol. (V/H)	Reading (dB(μV))	Antenna Factor (dB)	Amp. + Cable (dB)	DCF (dB)	Result (dB($\mu V/m$))	Limit (dB($\mu V/m$))	Margin (dB)
Peak data								
5 719.69	H	56.39	34.86	-24.26	-	66.99	110.71	43.72
7 673.36 ¹⁾	V	62.53	35.37	-50.18	-	47.72	74.00	26.28
11 525.14 ¹⁾	V	59.53	38.14	-49.33	-	48.34	74.00	25.66
17 252.86	H	56.68	41.24	-46.73	-	51.19	68.20	17.01
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

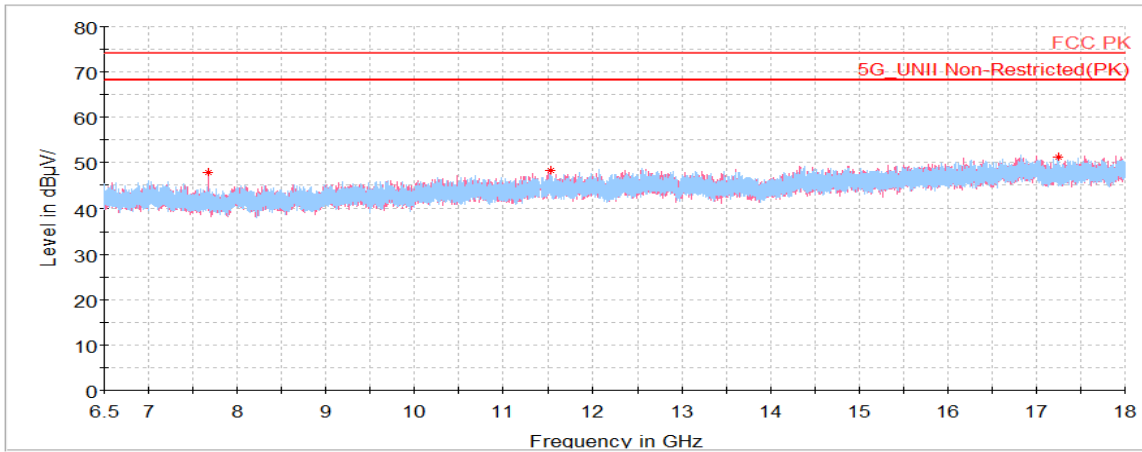
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

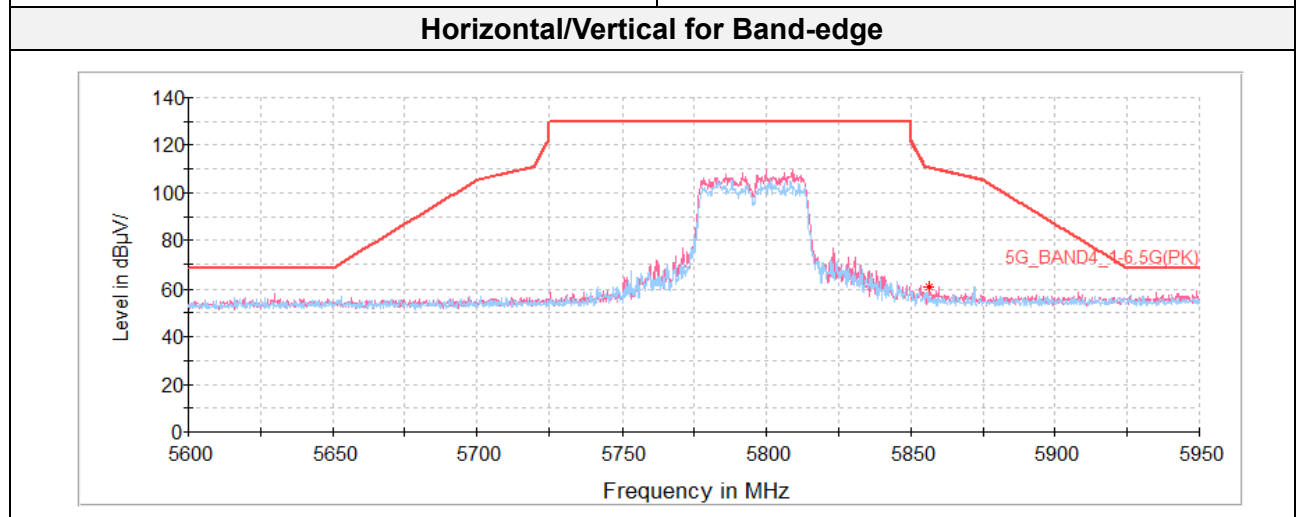
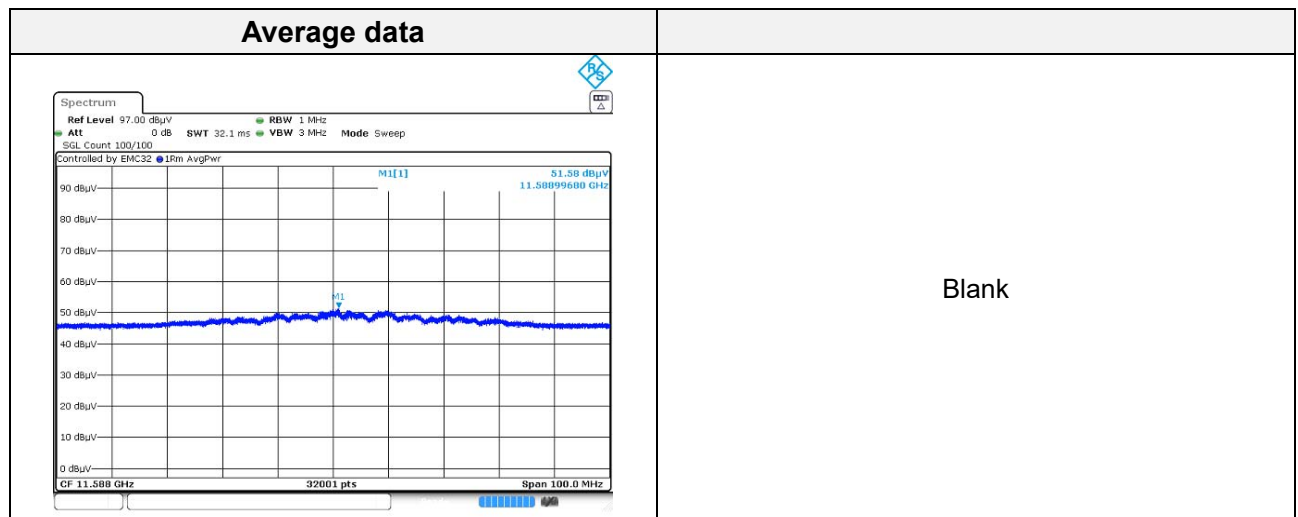


Horizontal/Vertical for 6.5 GHz ~ 18 GHz

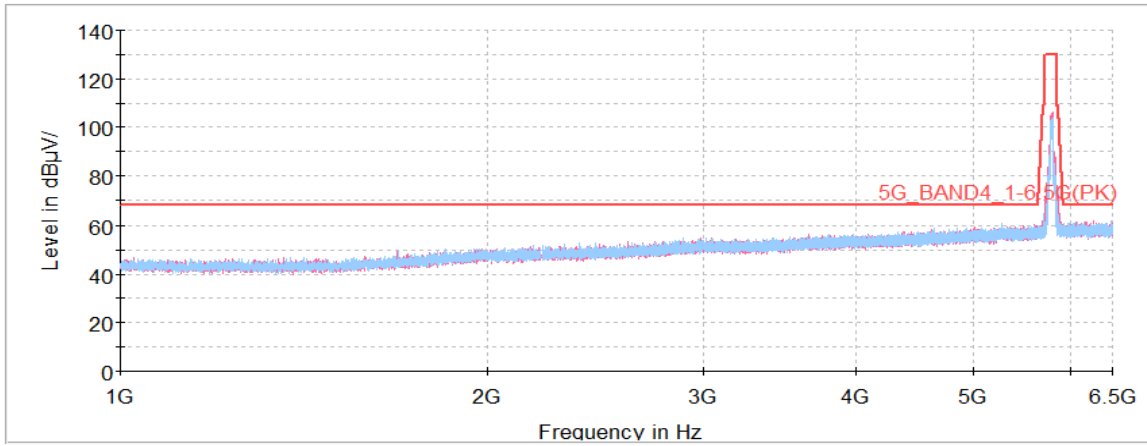


Highest Channel (5 795 MHz)

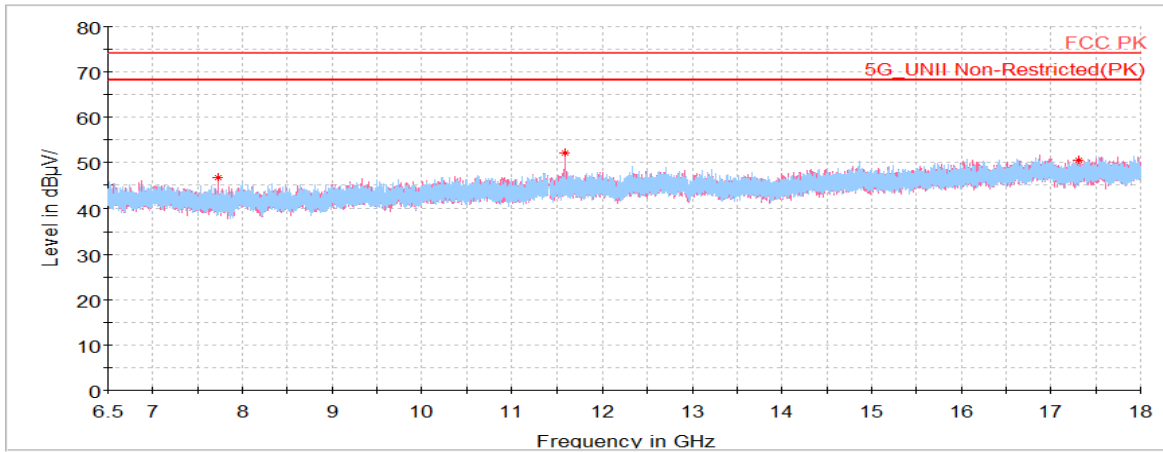
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 856.33	V	49.96	35.03	-23.93	-	61.06	110.43	49.37
7 727.27 ¹⁾	V	61.49	35.39	-50.28	-	46.60	74.00	27.40
11 589.00 ¹⁾	V	63.30	38.24	-49.38	-	52.16	74.00	21.84
17 313.23	V	56.19	41.14	-46.75	-	50.58	68.20	17.62
Average Data								
11 589.00 ¹⁾	V	51.58	38.24	-49.38	0.89	41.33	54.00	12.67



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



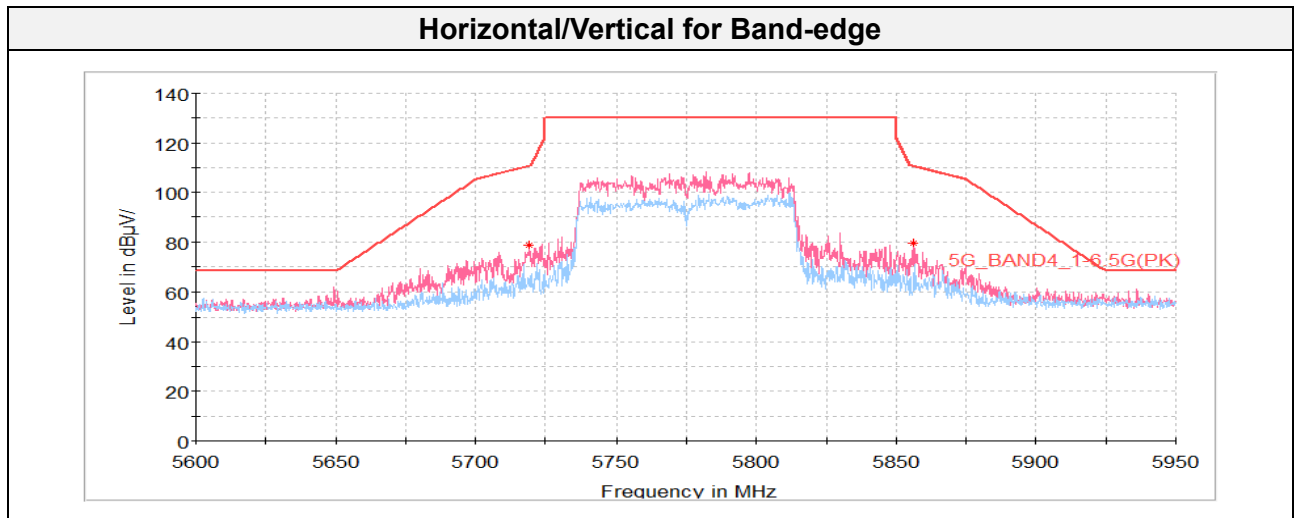
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



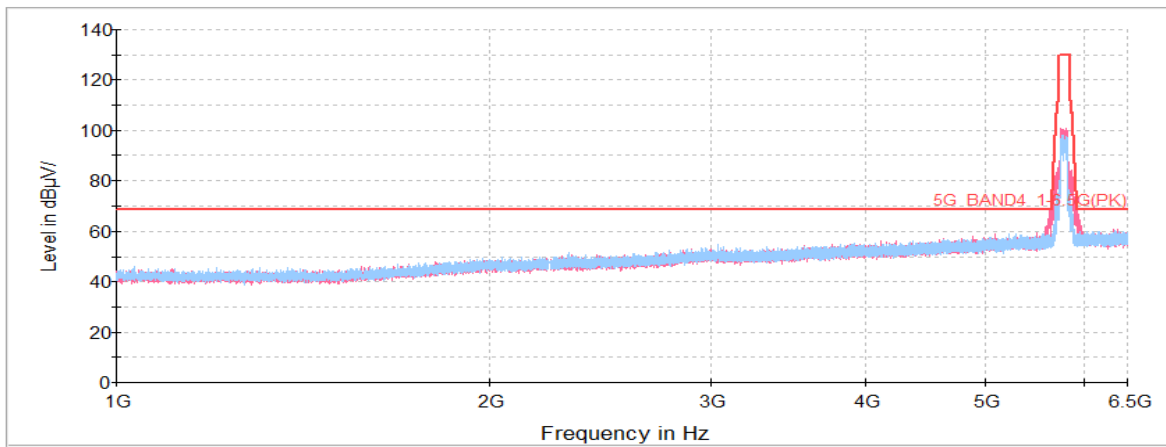
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Middle Channel (5 775 MHz)

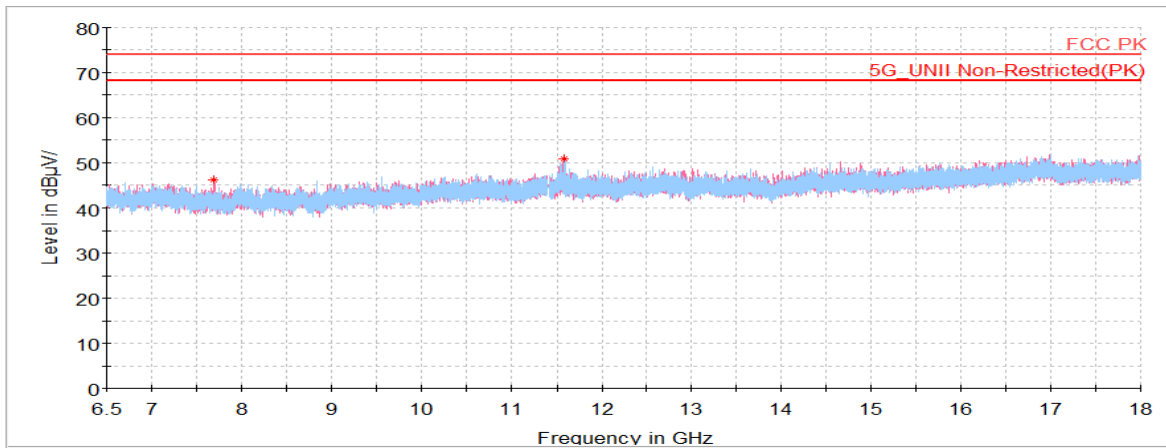
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 719.17	V	68.23	34.86	-24.26	-	78.83	110.57	31.74
5 855.98	V	68.55	35.03	-23.93	-	79.65	110.52	30.87
7 699.59 ¹⁾	V	61.02	35.38	-50.23	-	46.17	74.00	27.83
11 573.30 ¹⁾	H	61.88	38.22	-49.36	-	50.74	74.00	23.26
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

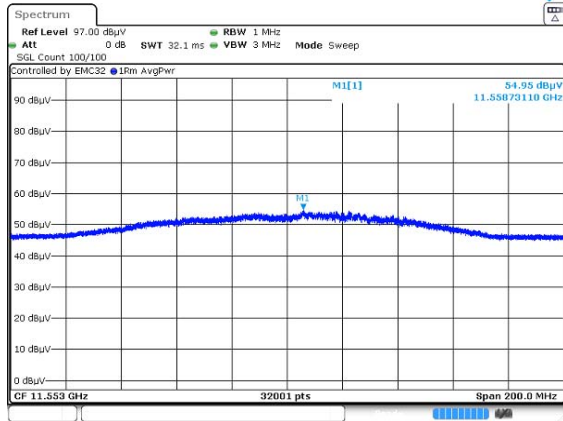


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Middle Channel (5 775 MHz)

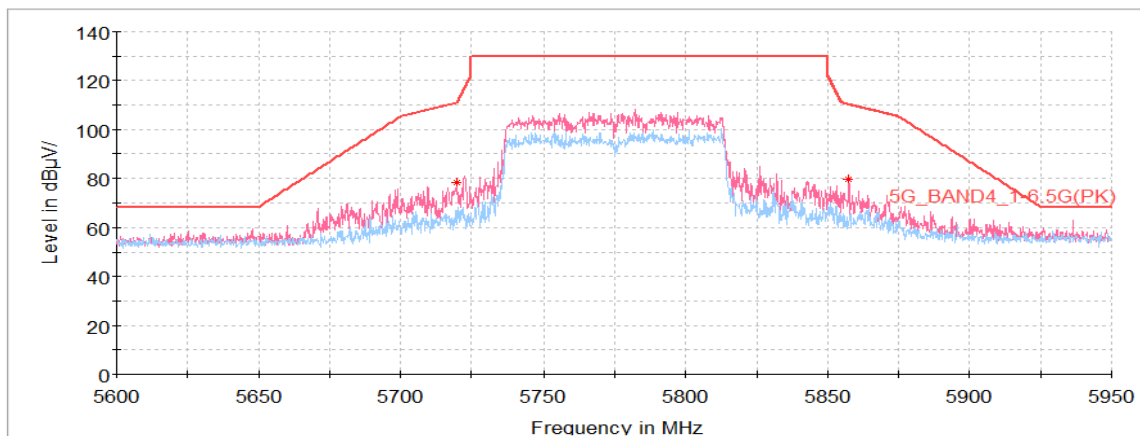
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 719.86	V	67.67	34.86	-24.26	-	78.27	110.76	32.49
5 857.36	V	68.45	35.03	-23.92	-	79.56	110.14	30.58
7 699.95 ¹⁾	V	64.19	35.38	-50.23	-	49.34	74.00	24.66
11 558.73 ¹⁾	V	65.57	38.19	-49.35	-	54.41	74.00	19.59
17 403.80	V	56.32	40.97	-46.77	-	50.52	68.20	17.68
Average Data								
11 558.73 ¹⁾	V	54.95	38.19	-49.35	0.95	44.74	54.00	9.26

Average data

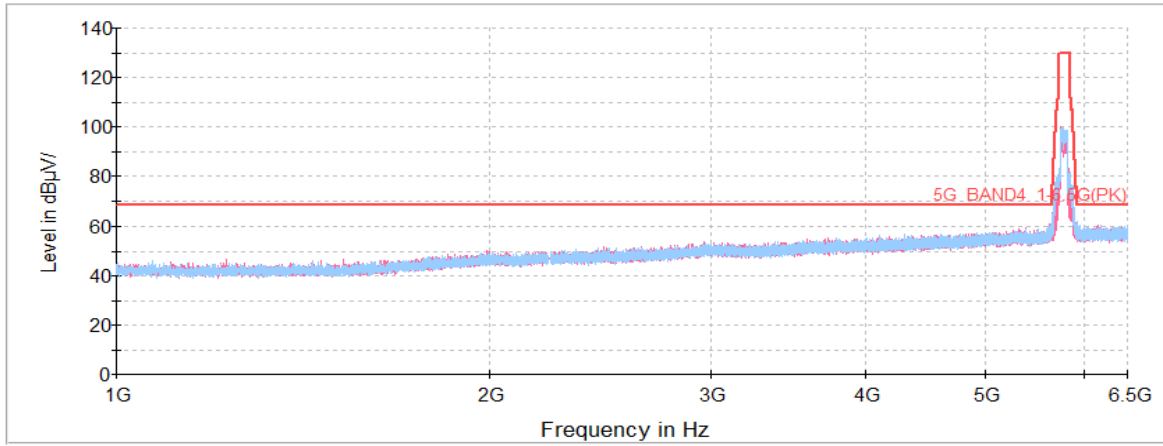


Blank

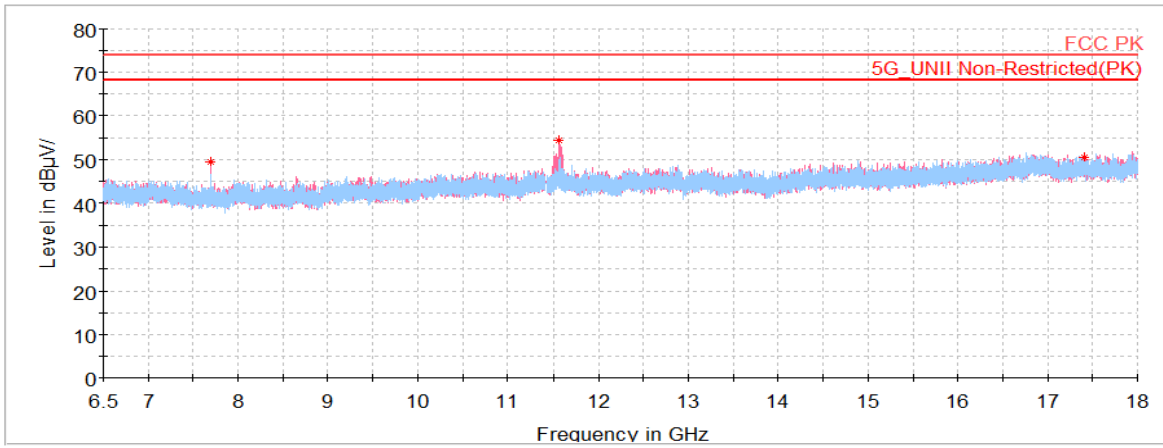
Horizontal/Vertical for Band-edge



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



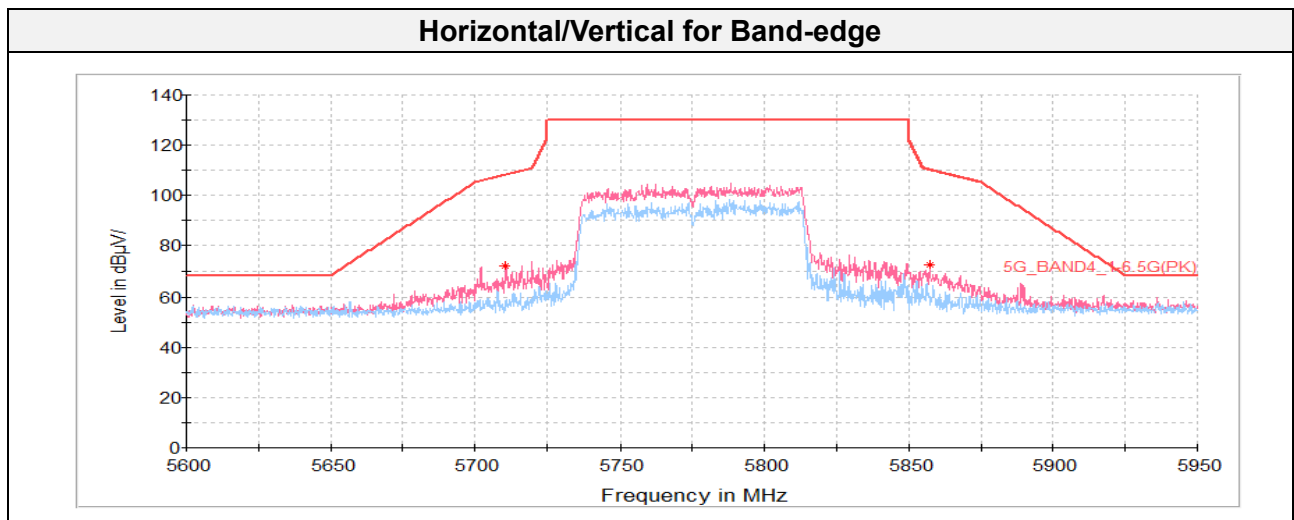
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



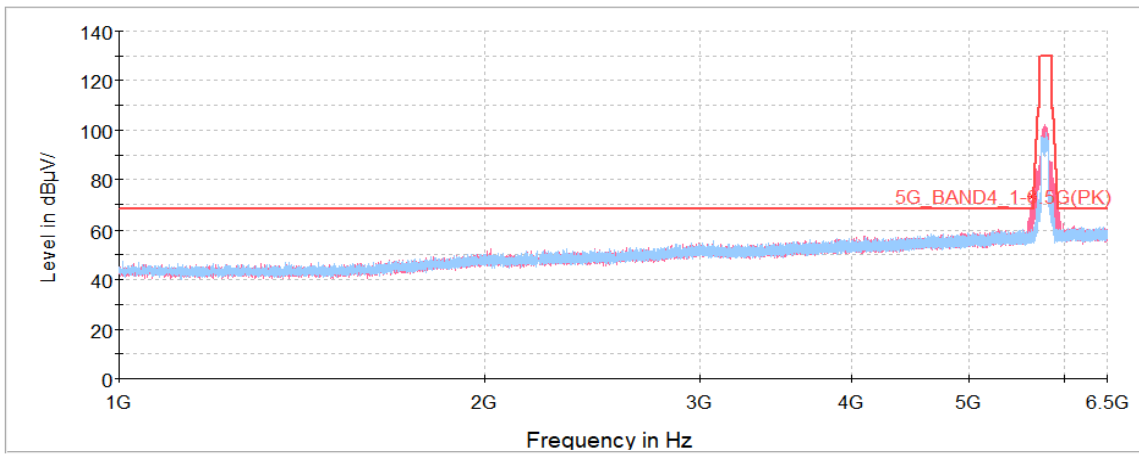
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Middle Channel (5 775 MHz)

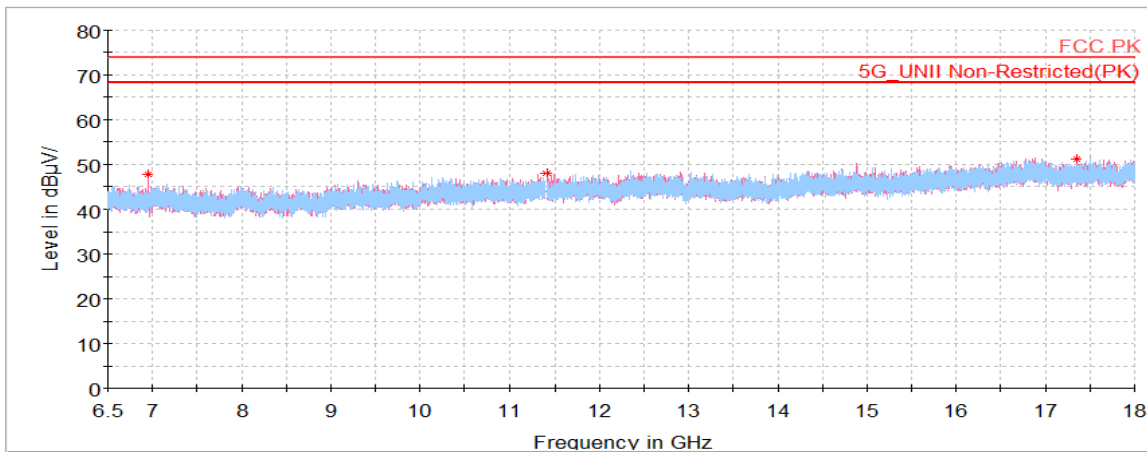
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 710.75	V	61.17	34.85	-24.26	-	71.76	108.21	36.45
5 857.19	V	61.42	35.03	-23.93	-	72.52	110.19	37.67
6 946.70	V	62.84	35.48	-50.73	-	47.59	68.20	20.61
11 407.63 ¹⁾	V	59.23	38.03	-49.28	-	47.98	74.00	26.02
17 358.52	V	56.83	41.05	-46.76	-	51.12	68.20	17.08
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



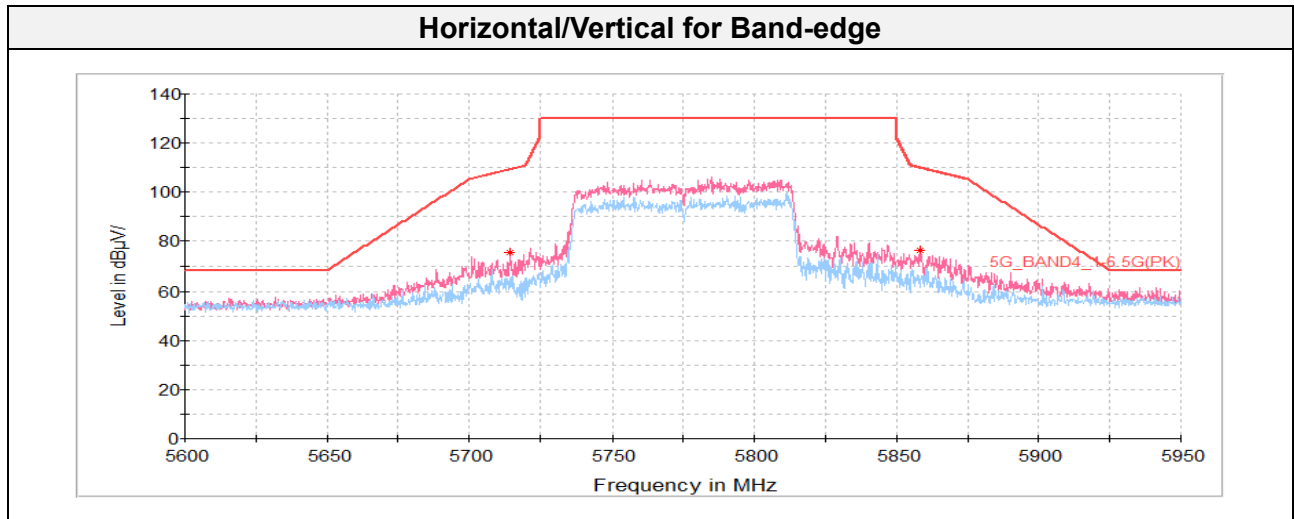
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



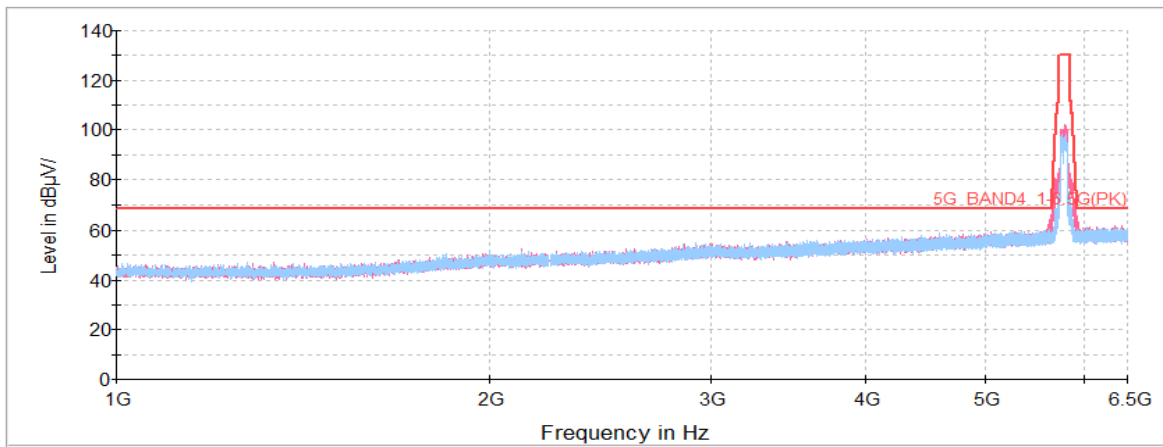
802.11ac VHT80 UNII 3 ANT 3

Middle Channel (5 775 MHz)

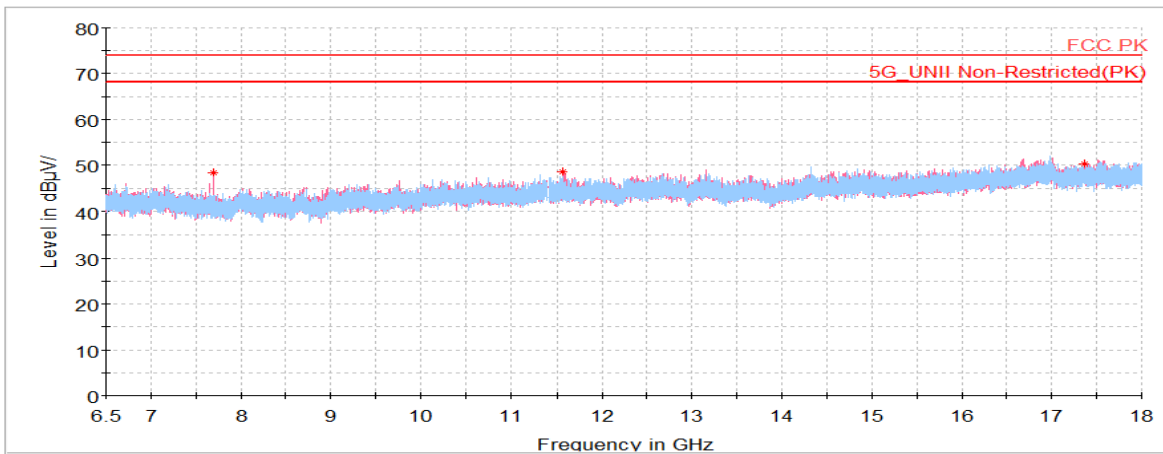
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 714.19	V	64.95	34.86	-24.26	-	75.55	109.17	33.62
5 858.39	V	65.01	35.03	-23.92	-	76.12	109.85	33.73
7 699.95 ¹⁾	V	63.31	35.38	-50.23	-	48.46	74.00	25.54
11 563.59 ¹⁾	V	59.83	38.20	-49.36	-	48.67	74.00	25.33
17 358.52	V	56.08	41.05	-46.76	-	50.37	68.20	17.83
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



Horizontal/Vertical for 1 GHz ~ 6.5 GHz



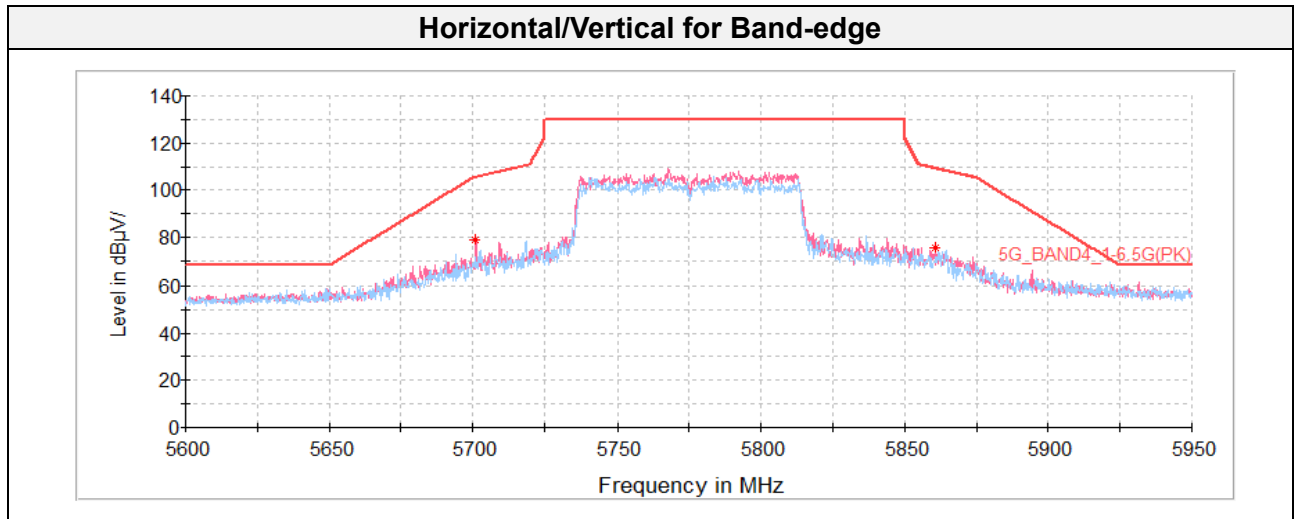
Horizontal/Vertical for 6.5 GHz ~ 18 GHz



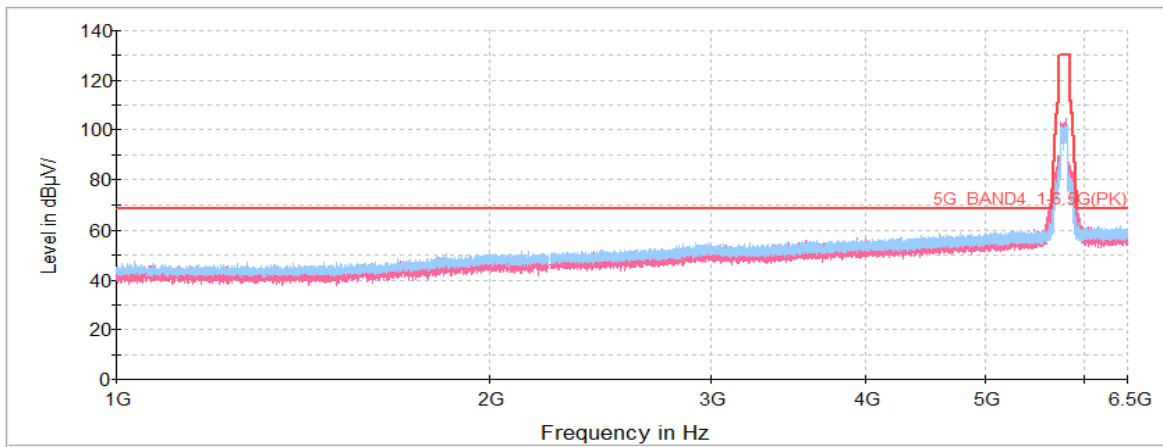
802.11ac VHT80 UNII 3 4TX MIMO

Middle Channel (5 775 MHz)

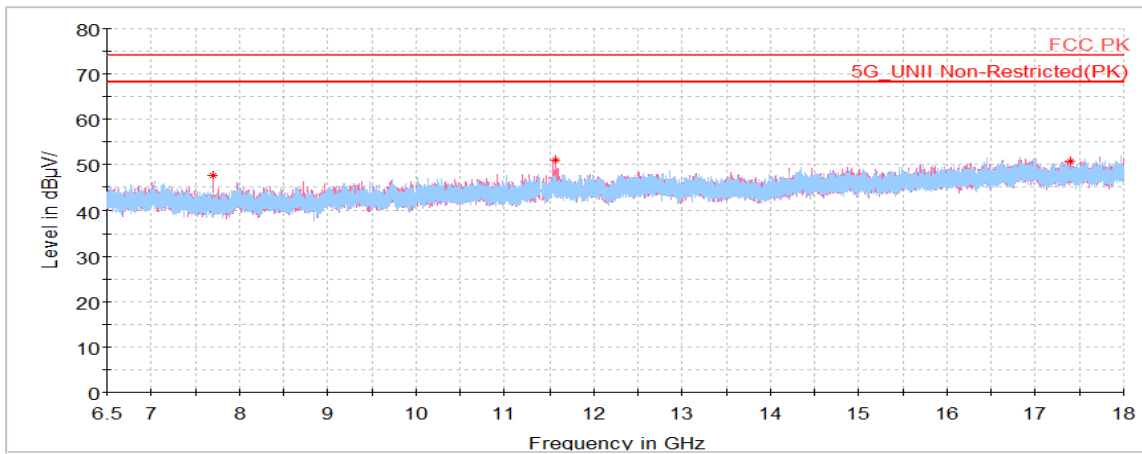
Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
5 701.13	V	68.22	34.84	-24.26	-	78.80	105.52	26.72
5 860.63	V	64.34	35.03	-23.91	-	75.46	109.23	33.76
7 699.95 ¹⁾	V	62.34	35.38	-50.23	-	47.49	74.00	26.51
11 570.78 ¹⁾	V	62.09	38.21	-49.36	-	50.94	74.00	23.06
17 402.72	V	56.49	40.98	-46.77	-	50.70	68.20	17.50
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



Horizontal/Vertical for 1 GHz ~ 6.5 GHz

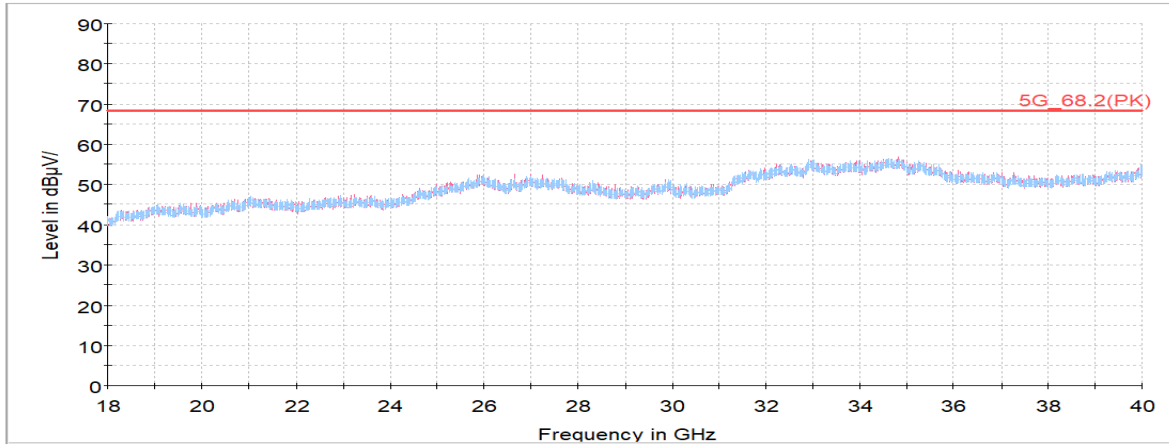


Horizontal/Vertical for 6.5 GHz ~ 18 GHz



Test results (Above 18 GHz) – Worst case: UNII 3_MIMO_802.11n_HT20_5 745 MHz

Horizontal/Vertical for 18 GHz ~ 26.5 GHz



Spurious Emission for Simultaneous Tx Condition

Case 1	Antenna 0 2.4 GHz WLAN	Antenna ALL 5 GHz WLAN
Mode	n40	ac20
Channel	9	36
Frequency	2 452	5 180
Data Rate	MCS0	MCS0

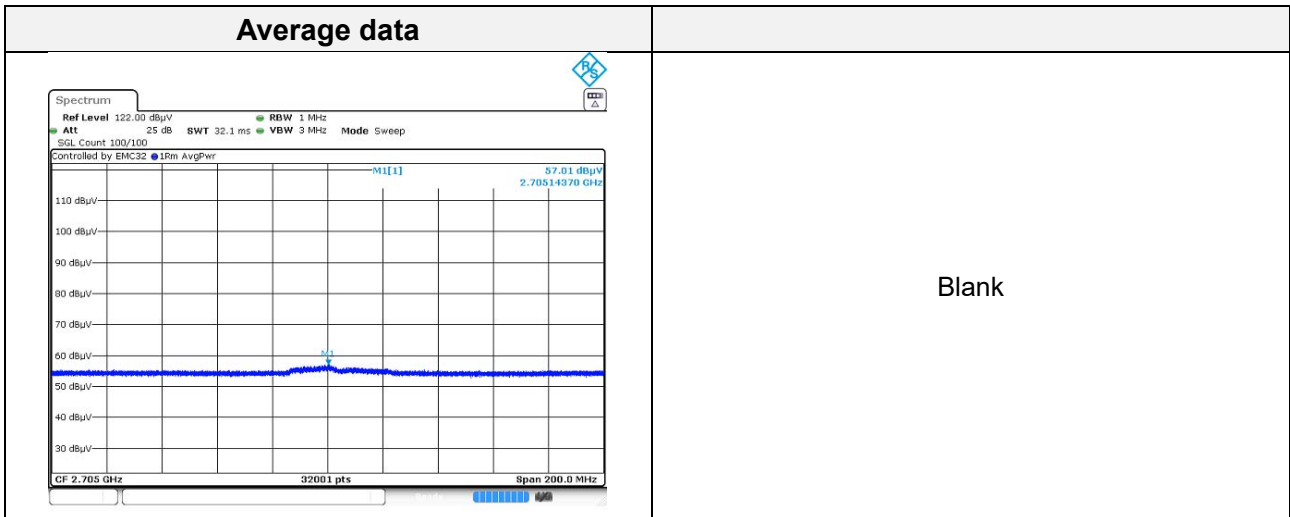
Case 2	Antenna ALL 2.4 GHz WLAN	Antenna ALL 5 GHz WLAN
Mode	n40	ac20
Channel	9	36
Frequency	2 452	5 180
Data Rate	MCS0	MCS0

Notes.

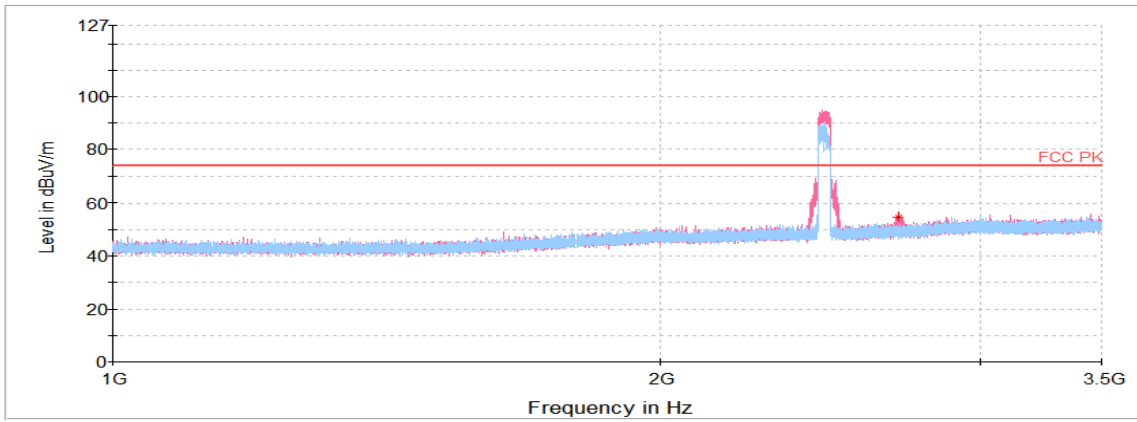
The lowest margin condition among the channels and modes were selected for test.

Case 1

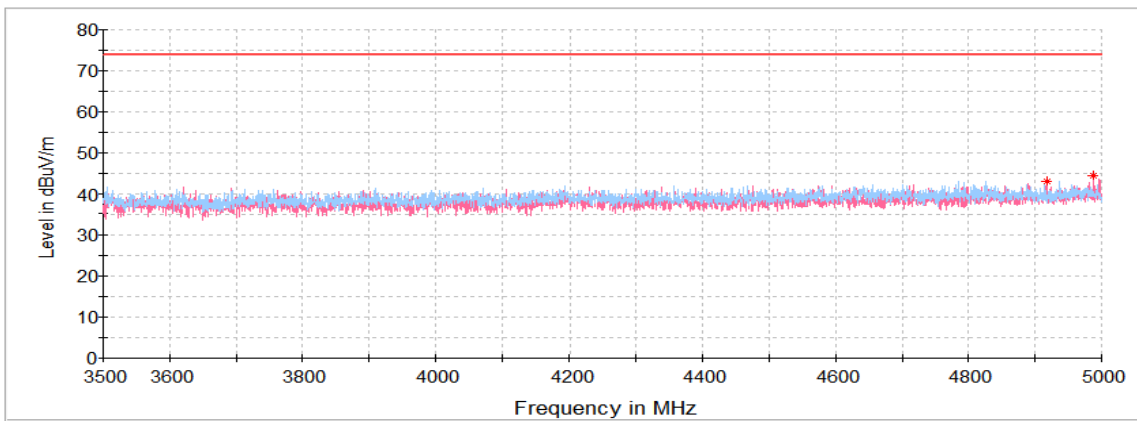
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 705.14 ¹⁾	V	67.58	32.53	-45.27	-	54.84	74.00	19.16
4 917.38 ¹⁾	V	61.24	33.62	-51.92	-	42.94	74.00	31.06
4 987.61 ¹⁾	V	53.11	33.60	-42.41	-	44.30	74.00	29.70
5 999.89	V	56.13	35.20	-41.55	-	49.78	68.20	18.42
6 906.45	V	64.93	35.46	-49.65	-	50.74	68.20	17.46
10 331.66	V	56.73	37.20	-48.27	-	45.66	68.20	22.54
15 514.20 ¹⁾	H	52.90	40.51	-44.22	-	49.19	74.00	24.81
Average Data								
2 705.14 ¹⁾	V	57.01	32.53	-45.27	2.61	46.88	54.00	7.12



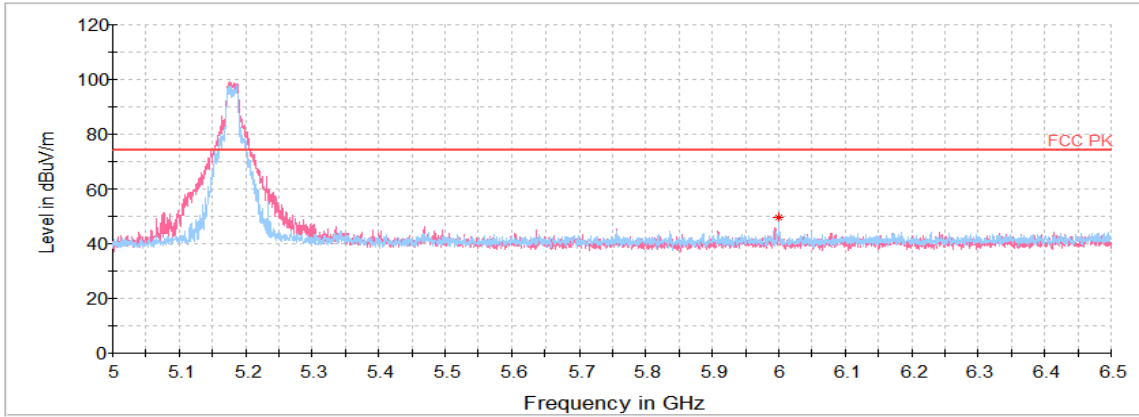
Horizontal/Vertical for 1 GHz ~ 3.5 GHz



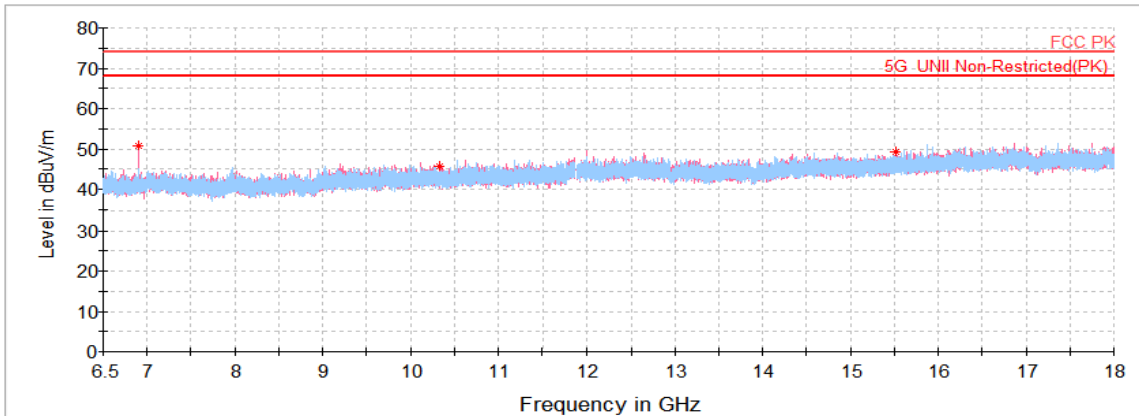
Horizontal/Vertical for 3.5 GHz ~ 5 GHz



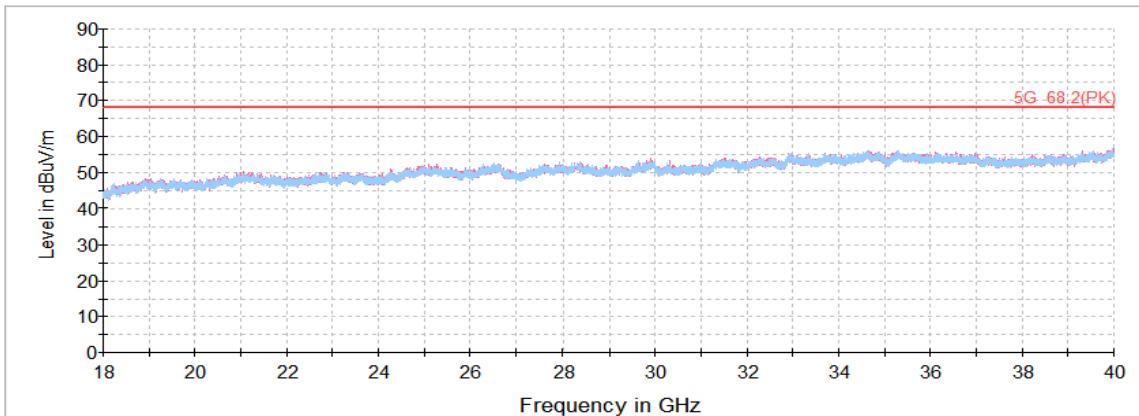
Horizontal/Vertical for 5 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

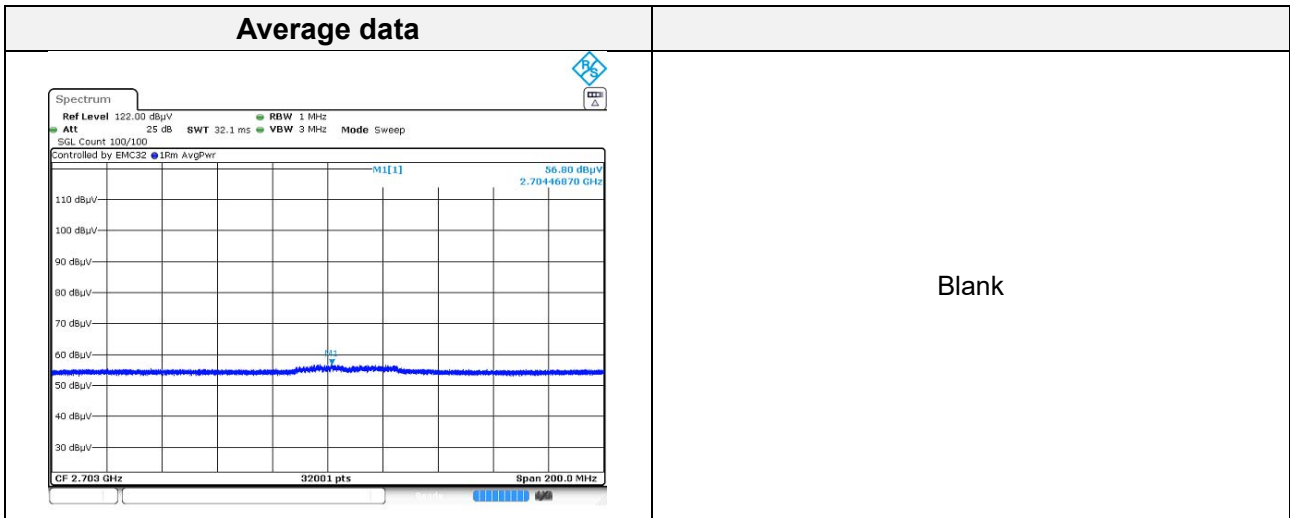


Horizontal/Vertical for 18 GHz ~ 40 GHz

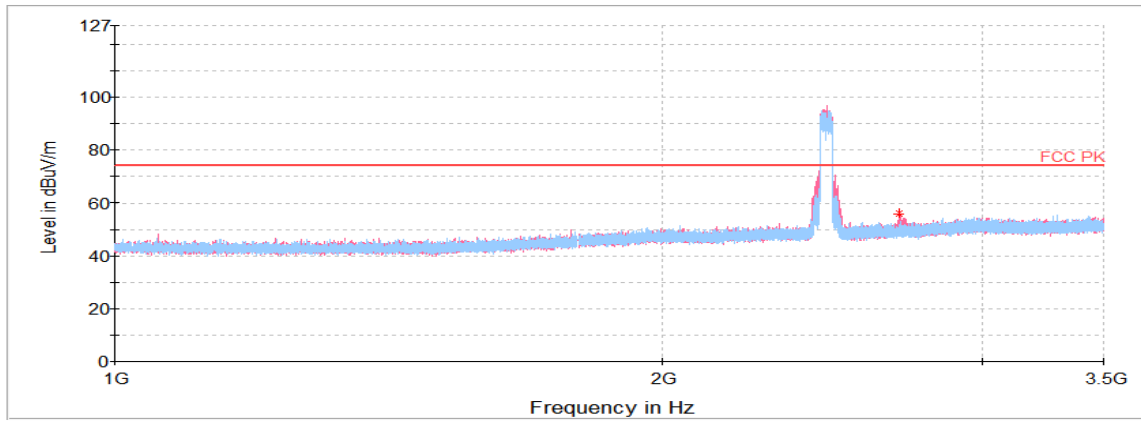


Case 2

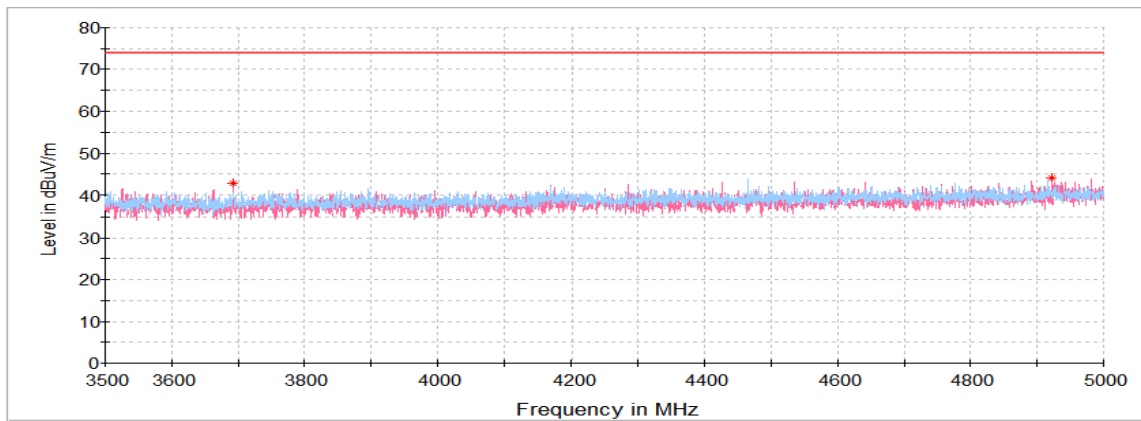
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
2 704.47 ¹⁾	V	68.75	32.53	-45.27	-	56.01	74.00	17.99
3 693.03 ¹⁾	V	62.54	33.22	-52.98	-	42.78	74.00	31.22
4 922.36 ¹⁾	V	62.29	33.62	-51.92	-	43.99	74.00	30.01
5 755.66	V	54.59	34.91	-41.83	-	47.67	68.20	20.53
5 999.89	H	55.07	35.20	-41.55	-	48.72	68.20	19.48
6 906.81	V	64.90	35.46	-49.65	-	50.71	68.20	17.49
10 360.05	V	57.22	37.22	-48.29	-	46.15	68.20	22.05
11 999.52 ¹⁾	V	58.05	38.90	-47.23	-	49.72	74.00	24.28
15 532.17 ¹⁾	V	53.75	40.53	-44.24	-	50.04	74.00	23.96
Average Data								
2 704.47 ¹⁾	V	56.80	32.53	-45.27	2.63	46.69	54.00	7.31



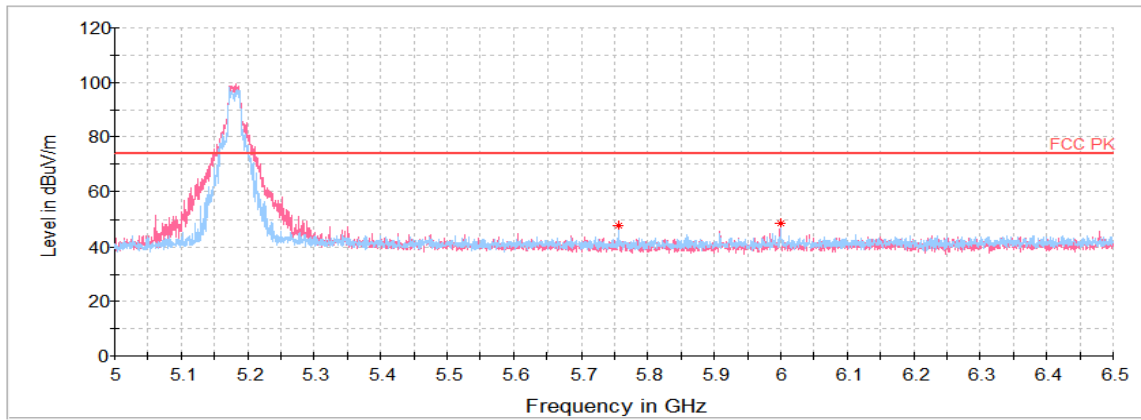
Horizontal/Vertical for 1 GHz ~ 3.5 GHz



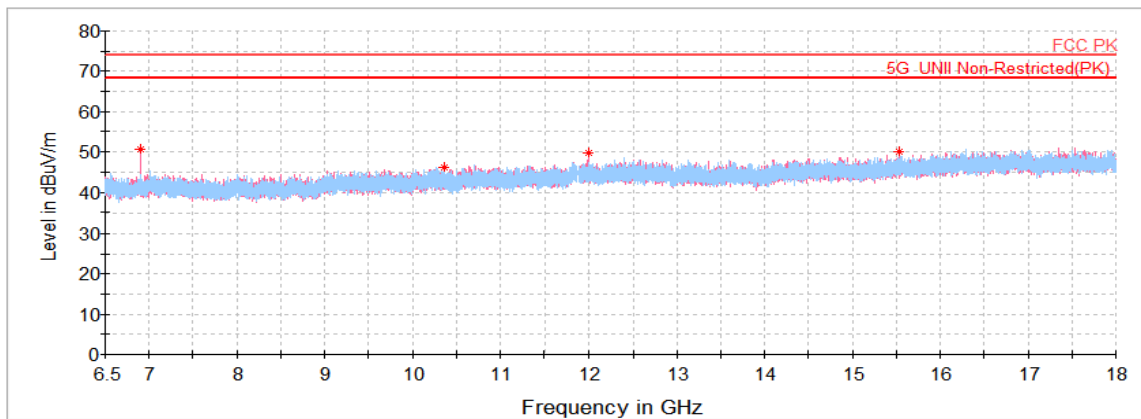
Horizontal/Vertical for 3.5 GHz ~ 5 GHz



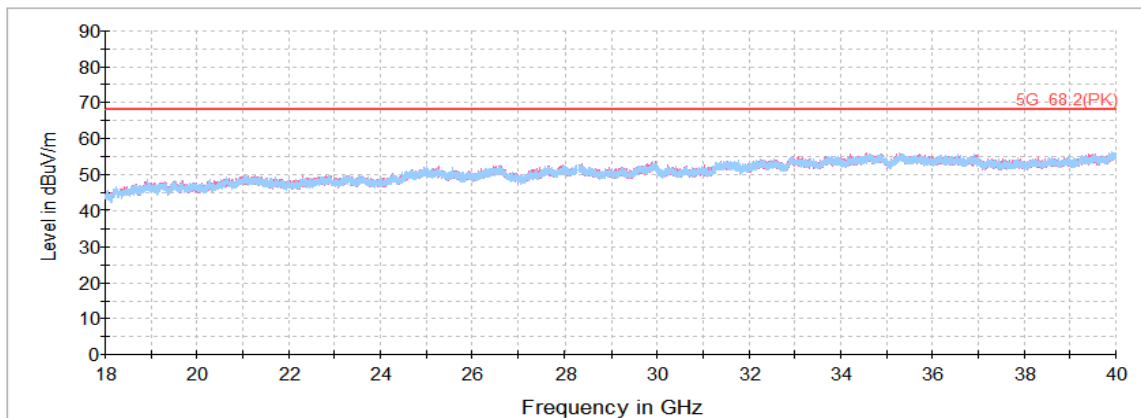
Horizontal/Vertical for 5 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

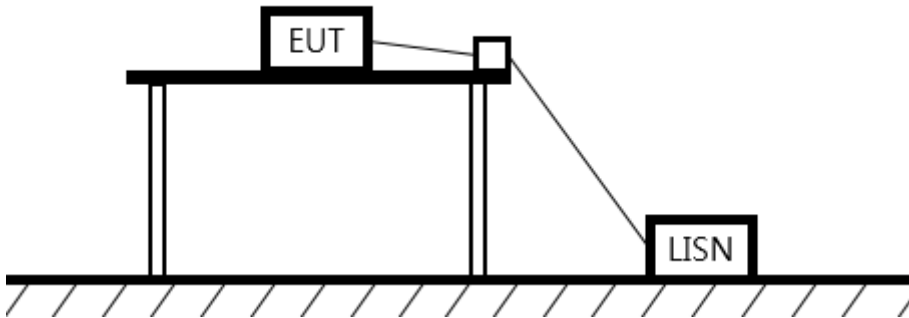


Horizontal/Vertical for 18 GHz ~ 40 GHz



7.8. AC Conducted emission

Test setup



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 frequencies ranges.

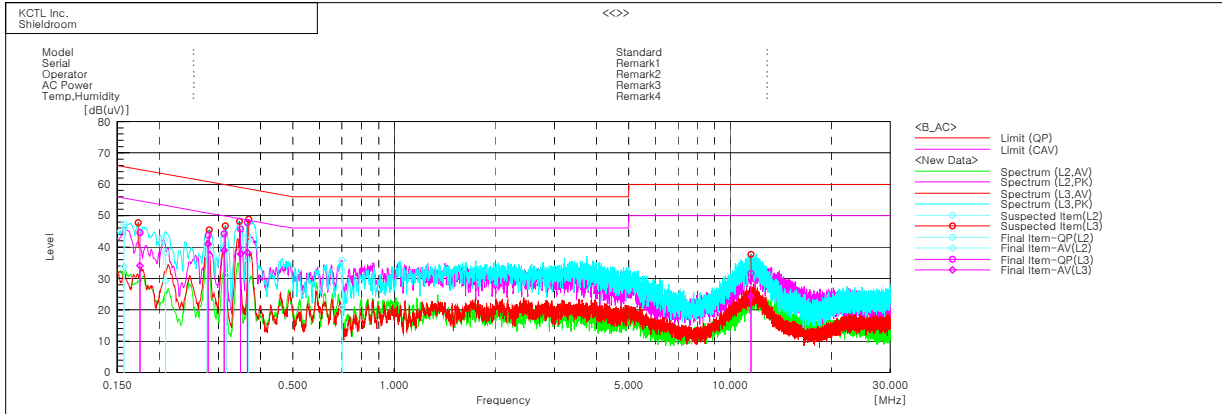
Frequency of Emission (MHz)	Conducted limit (dB μ V/m)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

Measurement procedure

1. The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 cm in which is located 40 cm away from the vertical wall and 1.5m away from the side wall of the shielded room.
2. Each current-carrying conductor of the EUT power cord was individually connected through a 50 Ω /50 μ H LISN, which is an input transducer to a spectrum analyzer or an EMI/Field Intensity — Meter, to the input power source.
3. Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
4. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 MHz to 30 MHz.
5. The measurements were made with the detector set to peak amplitude within a bandwidth of 10 kHz or to quasi-peak and average within a bandwidth of 9 kHz. The EUT was in transmitting mode during the measurements.

Test results

Worst case: UNII 3_MIMO_802.11n_HT20_5 745 MHz



Final Result

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.15695	37.2	23.6	10.2	47.4	33.8	65.6	55.6	18.2	21.8
2	0.20904	28.2	19.1	10.1	38.3	29.2	63.2	53.2	24.9	24.0
3	0.27805	29.7	27.6	9.9	39.6	37.5	60.9	50.9	21.3	13.4
4	0.3168	28.8	21.0	10.0	38.8	31.0	59.8	49.8	21.0	18.8
5	0.36885	32.1	25.6	10.1	42.2	35.7	58.5	48.5	16.3	12.8
6	0.70133	22.2	10.6	10.2	32.4	20.8	56.0	46.0	23.6	25.2

--- L3 Phase ---

No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]	Margin CAV [dB]
1	0.17545	34.3	23.7	10.3	44.6	34.0	64.7	54.7	20.1	20.7
2	0.2798	33.8	31.1	9.9	43.7	41.0	60.8	50.8	17.1	9.8
3	0.31241	34.2	28.9	10.0	44.2	38.9	59.9	49.9	15.7	11.0
4	0.34956	35.6	27.7	10.1	45.7	37.8	59.0	49.0	13.3	11.2
5	0.36602	37.6	28.1	10.1	47.7	38.2	58.6	48.6	10.9	10.4
6	11.55857	20.8	13.4	10.8	31.6	24.2	60.0	50.0	28.4	25.8

8. Measurement equipment

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum Analyzer	R&S	FSV40	100988	22.07.19
Attenuator	API Inmet	40AH2W-10	10	22.07.29
Spectrum Analyzer	R&S	FSV40	100989	22.12.21
EMI TEST RECEIVER	R&S	ESC17	100732	23.01.19
Bi-Log Antenna	TESEQ	CBL 6112D	55545	23.01.14
Amplifier	SONOMA INSTRUMENT	310N	284608	22.08.19
Horn antenna	ETS.lindgren	3117	155787	22.10.05
Horn antenna	ETS.lindgren	3116	86635	22.05.17
Attenuator	API Inmet	40AH2W-10	12	23.05.03
Broadband PreAmplifier	SCHWARZBECK	BBV9718	216	22.07.27
AMPLIFIER	L-3 Narda-MITEQ	AMF-7D-01001800-22-10P	2003683	22.08.19
AMPLIFIER	L-3 Narda-MITEQ	JS44-18004000-33-8P	2000996	23.01.19
LOOP Antenna	R&S	HFH2-Z2	100355	22.08.21
Antenna Mast	Innco Systems	MA4640-XP-ET	-	-
Turn Table	Innco Systems	CO3000	1175/45850319/P	-
Antenna Mast	Innco Systems	MA4000-EP	303	-
Turn Table	Innco Systems	CO3000	1175/45850319/P	-
Highpass Filter	WT	WT-A1699-HS	WT160411002	23.05.03
TWO-LINE V - NETWORK	R&S	ENV216	101358	22.09.29
EMI TEST RECEIVER	R&S	ESC13	100001	22.08.19
Vector Signal Generator	R&S	SMBV100A	257566	22.07.09
Signal Generator	R&S	SMB100A	176206	23.01.19
Cable Assembly	RadiAll	2301761768000PJ	1724.659	-
Cable Assembly	HUER+SUHNER	SUCOFLEX 104	MY4342/4	-
Cable Assembly	HUER+SUHNER	SUCOFLEX 102	804320/2	-

* Tests related to this equipment were progressed after the calibration was completed.

End of test report