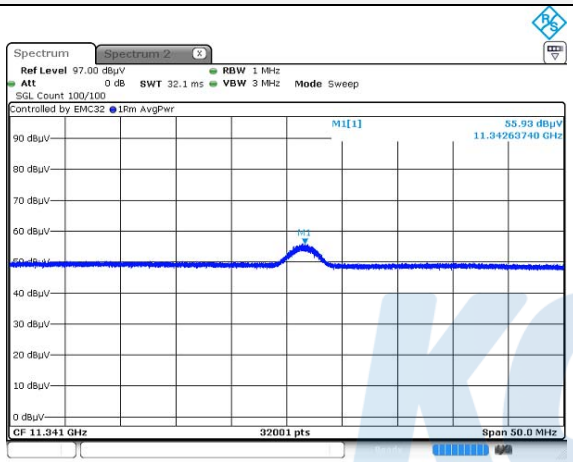
802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 342.64[1)]	V	66.21	37.91	-50.36	-	53.76	74.00	20.24
16 563.22	H	56.59	41.56	-45.37	-	52.78	74.00	21.22
Average Data								
11 342.64[1)]	V	55.93	37.91	-50.36	0.10	43.58	54.00	10.42

Average data	
	Blank

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 2 Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 022.73[1)]	V	61.42	37.71	-51.80	-	47.33	74.00	26.67
16 538.06	V	56.74	41.54	-45.28	-	53.00	68.20	15.20
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 2 Middle Channel (5 590 ㎒)

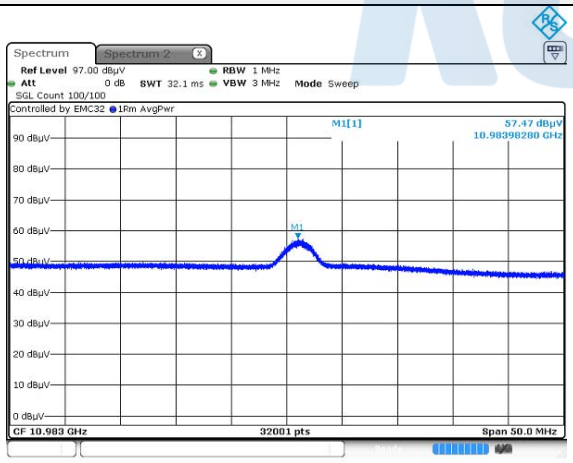
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 182.30[1)]	V	61.16	37.81	-51.08	-	47.89	74.00	26.11
16 574.00	V	55.69	41.57	-45.41	-	51.85	68.20	16.35
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 2 Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 342.22[1)]	V	60.36	37.91	-50.37	-	47.90	74.00	26.10
16 562.86	V	56.27	41.56	-45.37	-	52.46	68.20	15.74
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

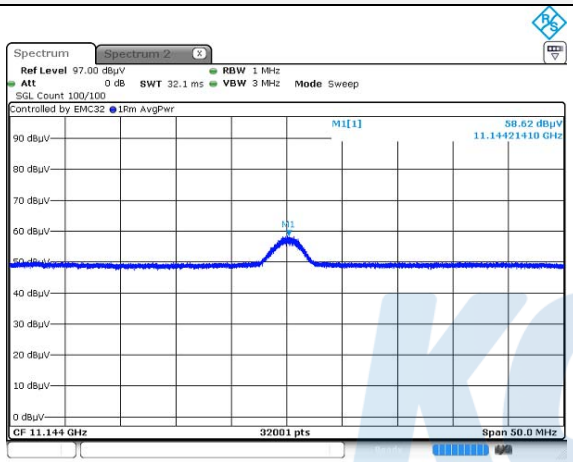
802.11ax_RU mode (HE 80 / 26T / RU offset 0)_ANT 1 Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 983.98[1)]	V	66.27	37.69	-51.89	-	52.07	74.00	21.93
16 544.53	H	56.21	41.54	-45.30	-	52.45	68.20	15.75
Average Data								
10 983.98[1)]	V	57.47	37.69	-51.89	0.09	43.36	54.00	10.64

Average data	
	Blank

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_ANT 1 Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 144.21[1)]	V	64.83	37.79	-51.25	-	51.37	74.00	22.63
16 374.91	H	56.66	41.75	-45.92	-	52.49	68.20	15.71
Average Data								
11 144.21[1)]	V	58.62	37.79	-51.25	0.09	45.25	54.00	8.75

Average data	
	Blank

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_ANT 2 Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 984.28[1)]	V	62.40	37.69	-51.89	-	48.20	74.00	25.80
16 543.81	V	56.13	41.54	-45.30	-	52.37	68.20	15.83
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_ANT 2 Highest Channel (5 610 ㎒)

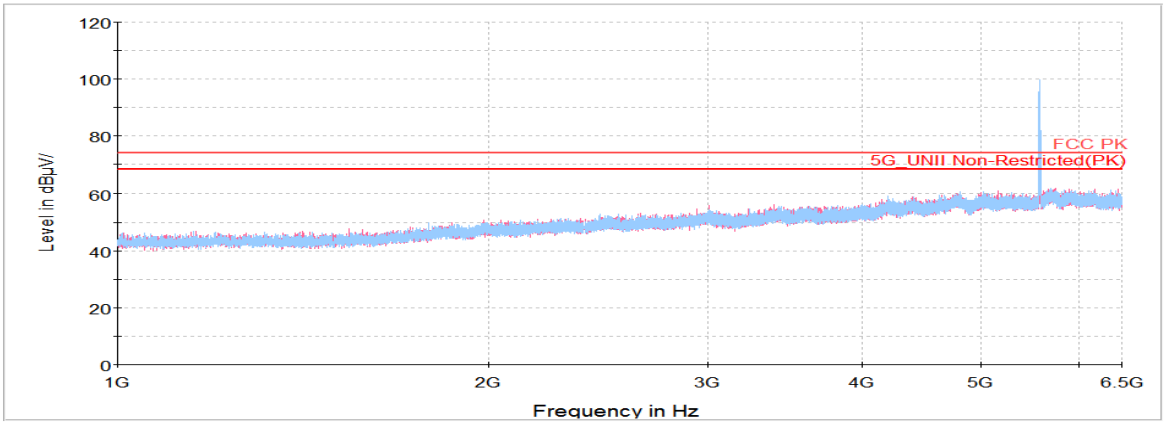
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 144.20[1)]	V	61.32	37.79	-51.25	-	47.86	74.00	26.14
16 540.94	V	55.97	41.54	-45.29	-	52.22	68.20	15.98
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

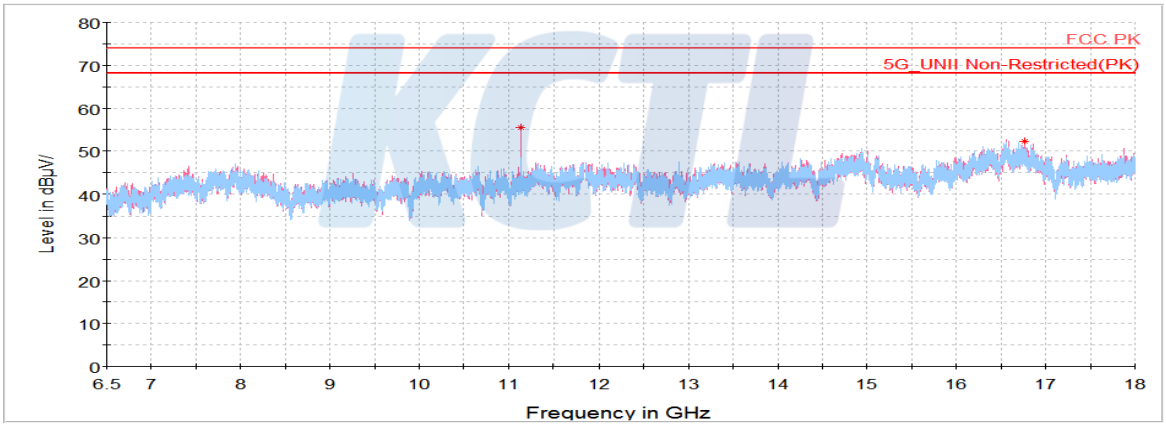
In order to simplify the report, attached plots were only the lowest margin condition

UNII-2C_802.11ax_RU mode (HE 20 / 26T / RU offset 0)_ANT 1 Middle Channel (5 580 ㎒)

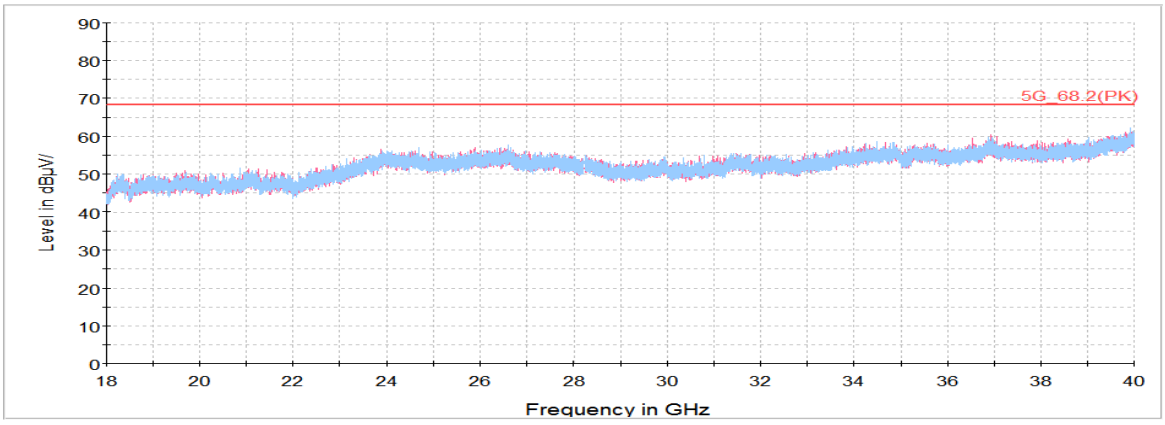
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



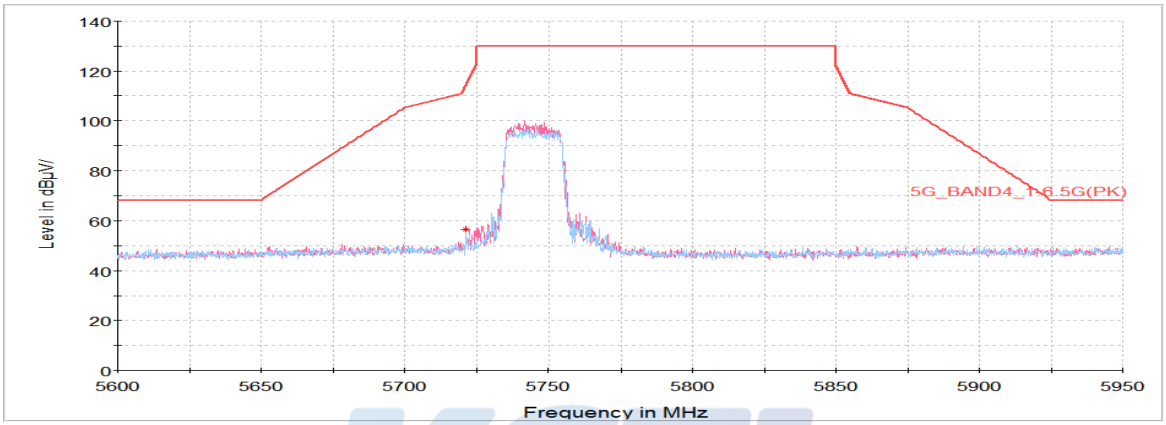
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



UNII-3 Tx (SISO) Bandedge (Lowest Channel)

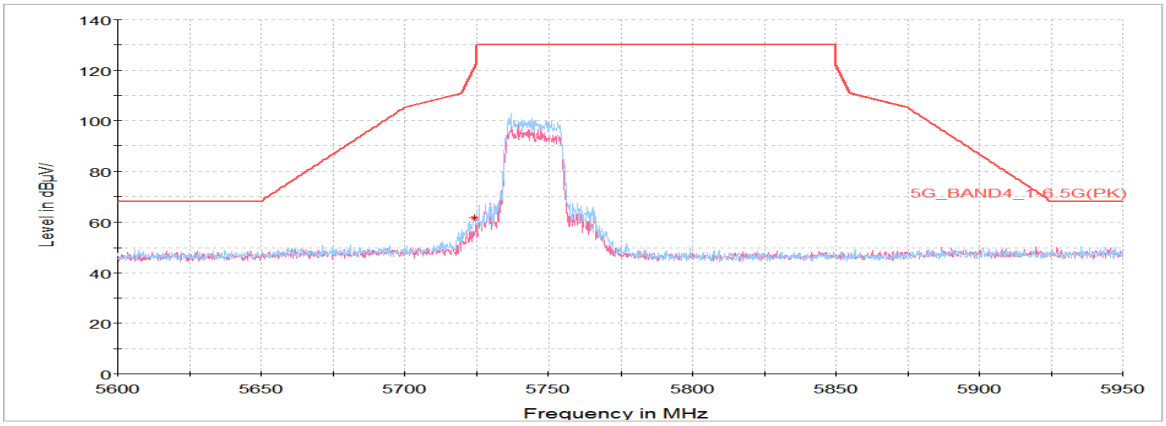
802.11ax_HE20 SU mode_ANT 1 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 721.58	H	47.39	35.07	-25.87	-	56.59	114.40	57.81
Horizontal/Vertical for Band-edge								



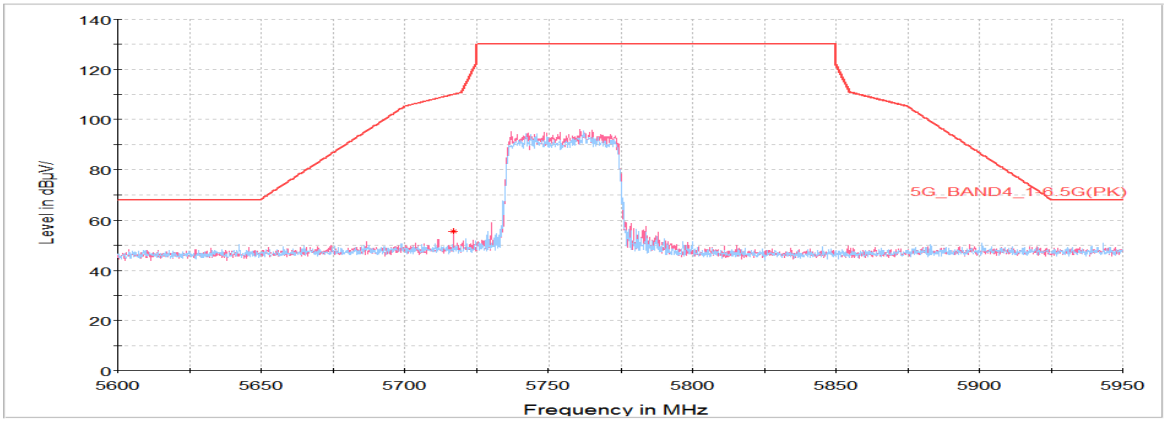
802.11ax_HE20 SU mode_ANT 2 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 724.16	H	52.80	35.07	-25.91	-	61.96	120.28	58.32
Horizontal/Vertical for Band-edge								



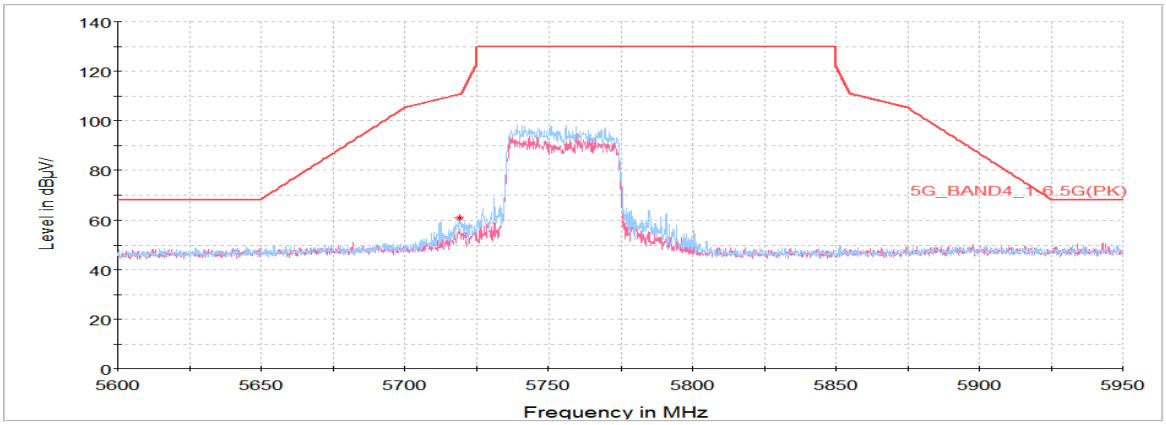
802.11ax_HE40 SU mode_ANT 1 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 717.11	V	46.40	35.06	-25.80	-	55.66	109.99	54.33
Horizontal/Vertical for Band-edge								



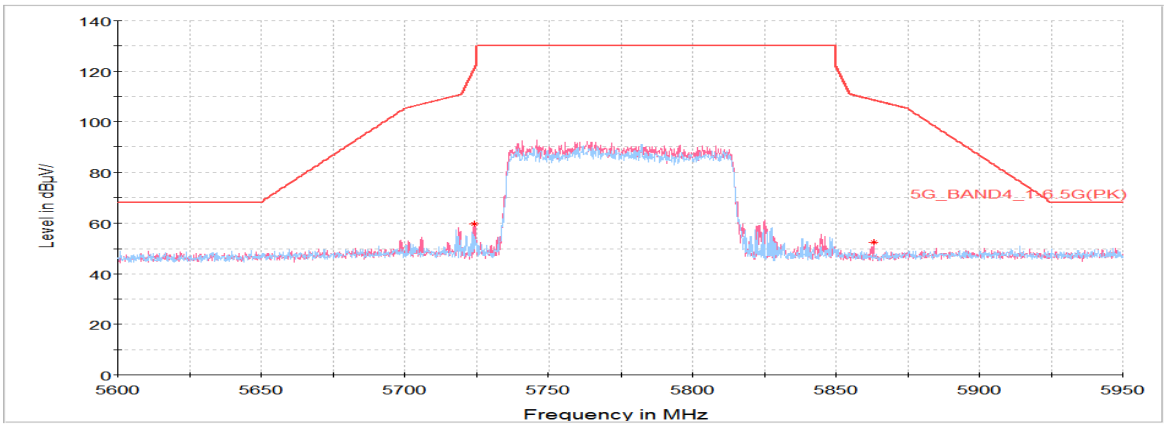
802.11ax_HE40 SU mode_ANT 2 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.17	H	51.87	35.06	-25.83	-	61.10	110.57	49.47
Horizontal/Vertical for Band-edge								



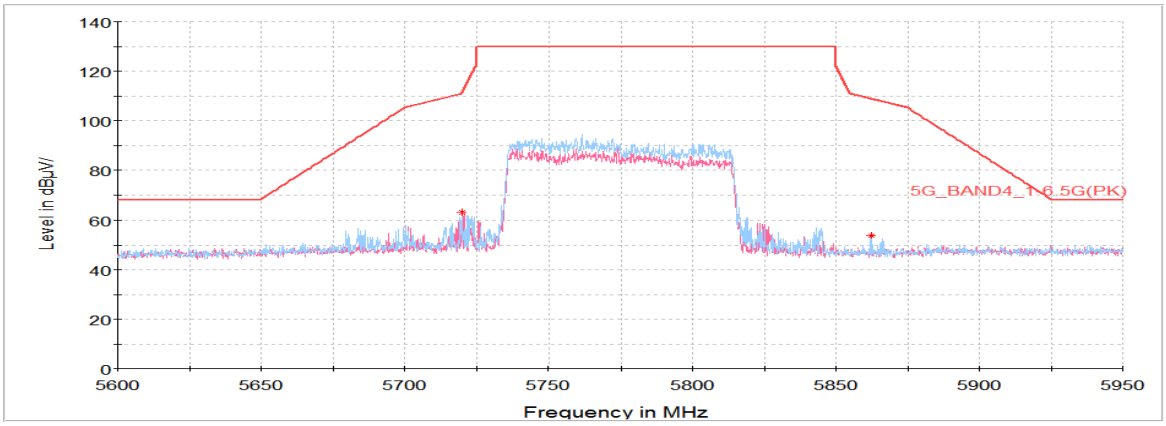
802.11ax_HE80 SU mode_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 724.16	V	50.73	35.07	-25.91	-	59.89	120.28	60.38
Horizontal/Vertical for Band-edge								



802.11ax_HE80 SU mode_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 720.20	V	53.63	35.06	-25.85	-	62.84	111.26	48.42
Horizontal/Vertical for Band-edge								



802.11ax_RU mode (HE 80 / 484T / RU offset 65)_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 720.72	H	43.53	35.06	-25.86	-	52.73	112.44	59.71

802.11ax_RU mode (HE 80 / 484T / RU offset 65)_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 723.64	H	41.56	35.07	-25.90	-	50.73	119.10	68.37

802.11ax_RU mode (HE 40 / 242T / RU offset 61)_ANT 1 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 722.95	H	42.28	35.07	-25.89	-	51.46	117.53	66.08

802.11ax_RU mode (HE 80 / 242T / RU offset 61)_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 722.95	H	42.75	35.07	-25.89	-	51.93	117.53	65.61

802.11ax_RU mode (HE 20 / 106T / RU offset 53)_ANT 1 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 724.50	H	41.43	35.07	-25.91	-	50.59	116.75	66.16

802.11ax_RU mode (HE 20 / 106T / RU offset 53)_ANT 2 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 722.61	V	41.32	35.07	-25.88	-	50.51	116.75	66.24

802.11ax_RU mode (HE 20 / 52T / RU offset 37)_ANT 1 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 723.47	H	40.71	35.07	-25.90	-	49.88	118.71	68.83

802.11ax_RU mode (HE 20 / 52T / RU offset 37)_ANT 2 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 721.23	V	42.08	35.07	-25.86	-	51.29	113.61	62.33

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_ANT 1 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 720.38	H	41.63	35.06	-25.85	-	50.84	111.66	60.81

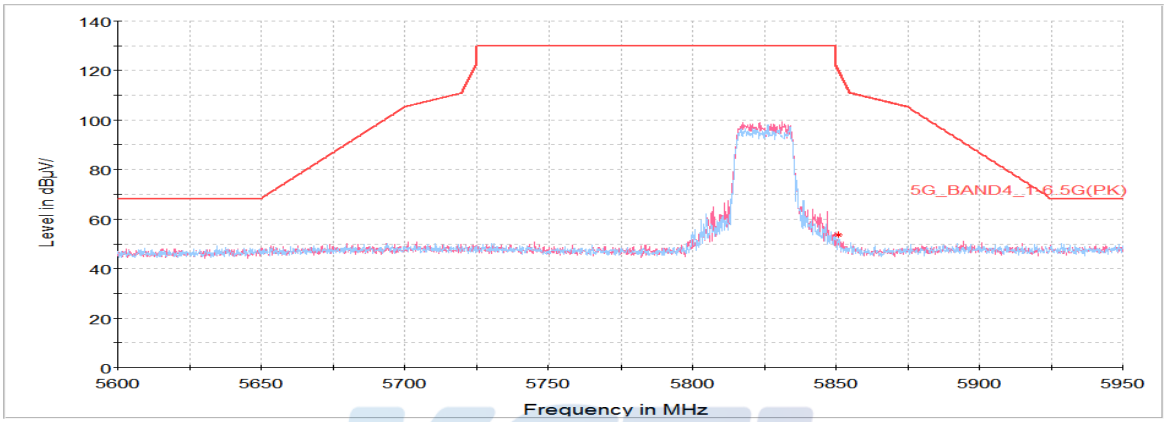
802.11ax_RU mode (HE 20 / 26T / RU offset 0)_ANT 2 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.86	V	41.37	35.06	-25.84	-	50.59	110.76	60.17

UNII-3 1Tx (SISO) Bandedge (Highest Channel)

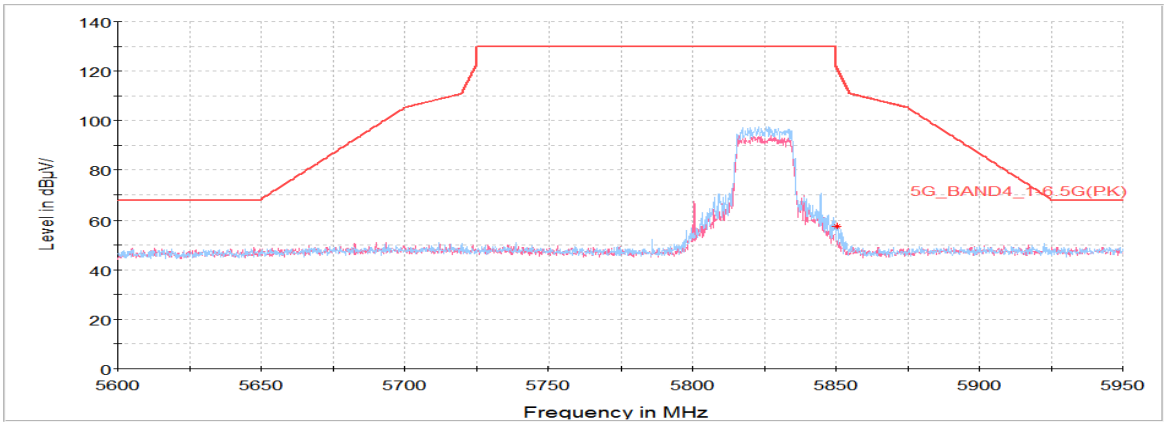
802.11ax_HE20 SU mode_ANT 1 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 850.83	H	45.13	35.22	-26.68	-	53.67	120.31	66.64
Horizontal/Vertical for Band-edge								



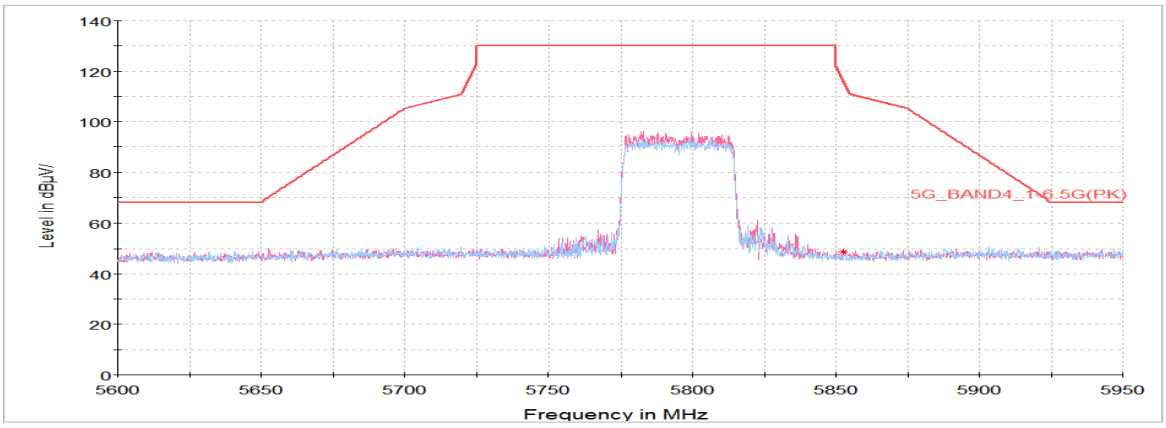
802.11ax_HE20 SU mode_ANT 2 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 850.31	H	49.11	35.22	-26.68	-	57.65	121.49	63.84
Horizontal/Vertical for Band-edge								



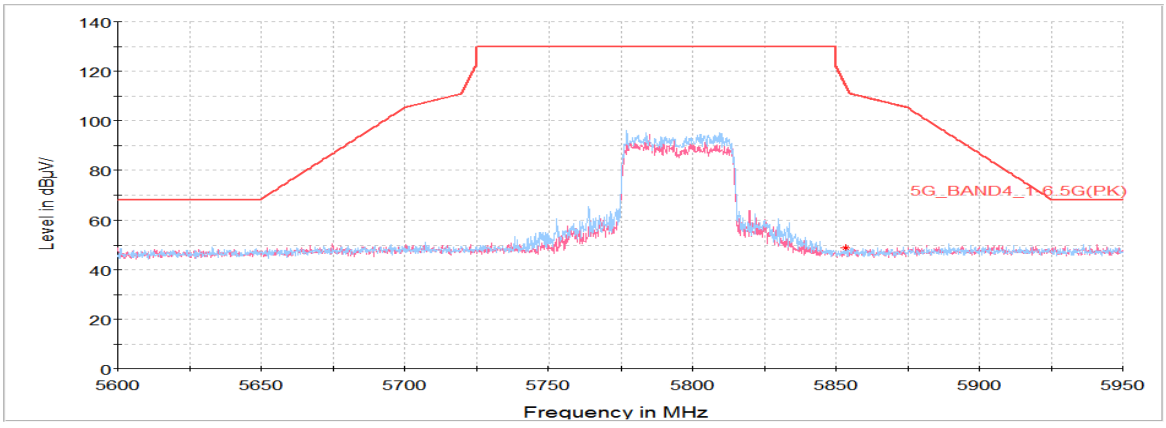
802.11ax_HE40 SU mode_ANT 1 Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 852.55	H	40.20	35.22	-26.66	-	48.76	116.39	67.63
Horizontal/Vertical for Band-edge								



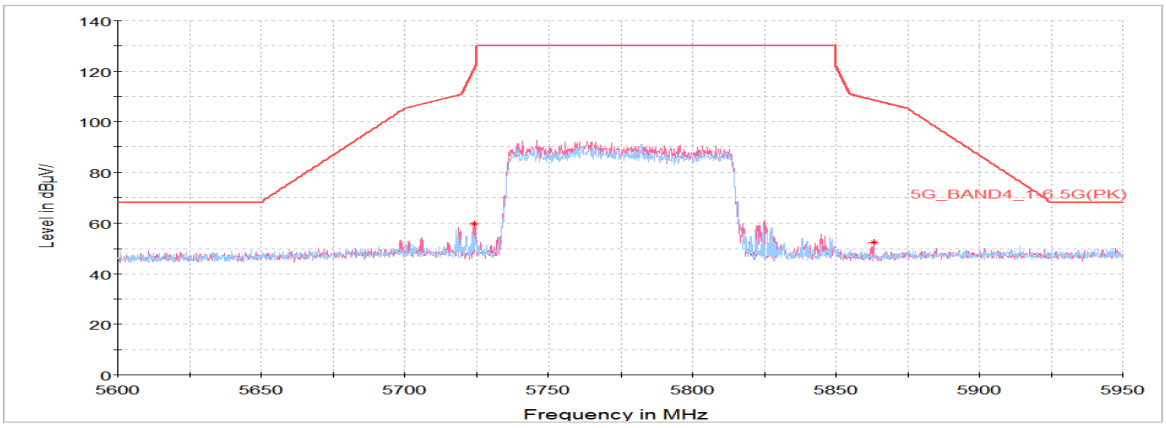
802.11ax_HE40 SU mode_ANT 2 Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.23	V	40.17	35.22	-26.66	-	48.73	114.83	66.09
Horizontal/Vertical for Band-edge								



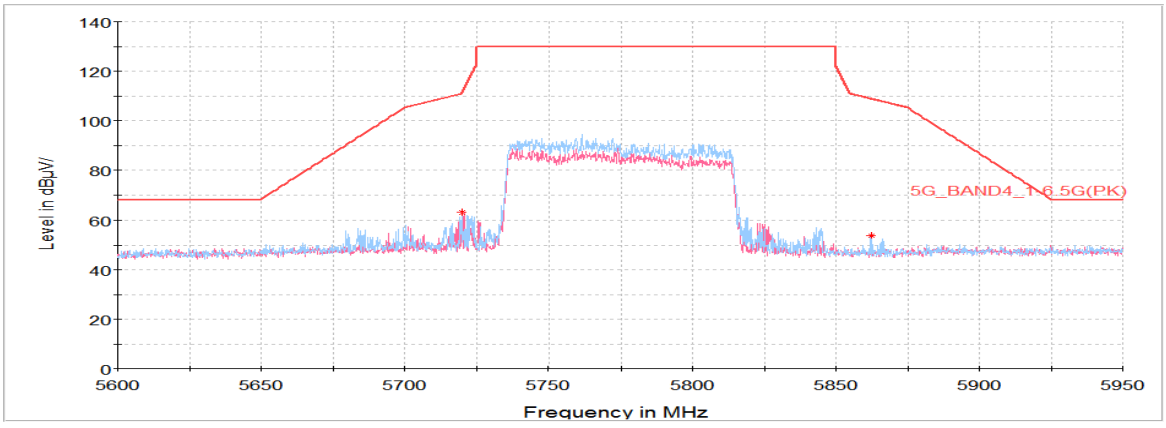
802.11ax_HE80 SU mode_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 863.20	V	43.74	35.24	-26.60	-	52.38	108.50	56.12
Horizontal/Vertical for Band-edge								



802.11ax_HE80 SU mode_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 862.52	H	45.01	35.24	-26.60	-	53.65	108.70	55.05
Horizontal/Vertical for Band-edge								



802.11ax_RU mode (HE 80 / 484T / RU offset 66)_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 855.47	H	41.60	35.23	-26.65	-	50.18	110.67	60.49

802.11ax_RU mode (HE 80 / 484T / RU offset 66)_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 851.52	H	39.47	35.22	-26.67	-	48.02	118.74	70.72

802.11ax_RU mode (HE 80 / 242T / RU offset 64)_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.23	H	40.31	35.22	-26.66	-	48.87	114.83	65.95

802.11ax_RU mode (HE 80 / 242T / RU offset 64)_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 857.02	H	40.87	35.23	-26.64	-	49.46	110.24	60.78

802.11ax_RU mode (HE 20 / 106T / RU offset 54)_ANT 1 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 851.86	H	39.88	35.22	-26.67	-	48.43	117.96	69.54

802.11ax_RU mode (HE 80 / 106T / RU offset 60)_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 858.91	H	40.72	35.23	-26.63	-	49.32	109.71	60.39

802.11ax_RU mode (HE 20 / 52T / RU offset 40)_ANT 1 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 852.38	V	40.47	35.22	-26.67	-	49.02	116.79	67.77

802.11ax_RU mode (HE 20 / 52T / RU offset 40)_ANT 2 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 852.20	H	40.97	35.22	-26.67	-	49.52	117.18	67.66

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 851.00	H	41.29	35.22	-26.67	-	49.84	119.92	70.08

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 2 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 857.36	H	42.18	35.23	-26.64	-	50.77	110.14	59.37

UNII-3 1Tx (SISO) Harmonics and Spurious Emissions

802.11ax_HE20 SU mode_ANT 1 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 480.94[1)]	V	61.12	37.99	-49.74	-	49.37	74.00	24.63
16 559.98	H	56.01	41.56	-45.36	-	52.21	68.20	15.99
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 1 Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 572.58[1)]	V	59.57	38.09	-49.79	-	47.87	74.00	26.13
16 561.42	V	56.62	41.56	-45.36	-	52.82	68.20	15.38
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 1 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 640.86[1)]	V	59.71	38.17	-49.91	-	47.97	74.00	26.03
16 366.28	V	56.78	41.73	-45.97	-	52.54	68.20	15.66
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 489.92[1)]	V	57.98	37.99	-49.70	-	46.27	74.00	27.73
16 593.77	H	56.19	41.59	-45.48	-	52.30	68.20	15.90
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 584.80[1)]	V	57.66	38.10	-49.81	-	45.95	74.00	28.05
16 542.02	V	56.13	41.54	-45.29	-	52.38	68.20	15.82
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_ANT 2 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 642.30[1)]	V	57.74	38.17	-49.91	-	46.00	74.00	28.00
16 557.11	V	56.72	41.56	-45.35	-	52.93	68.20	15.27
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 1 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 484.53[1)]	V	59.68	37.99	-49.73	-	47.94	74.00	26.06
16 534.11	V	56.20	41.53	-45.26	-	52.47	68.20	15.73
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 1 Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 589.83[1)]	V	59.16	38.11	-49.82	-	47.45	74.00	26.55
16 557.11	H	55.53	41.56	-45.35	-	51.74	68.20	16.46
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 2 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 485.61[1)]	H	57.72	37.99	-49.72	-	45.99	74.00	28.01
16 572.56	V	56.02	41.57	-45.40	-	52.19	68.20	16.01
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_ANT 2 Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 585.52[1)]	H	59.03	38.10	-49.81	-	47.32	74.00	26.68
16 546.33	H	55.81	41.55	-45.31	-	52.05	68.20	16.15
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 578.69[1)]	V	57.96	38.09	-49.80	-	46.25	74.00	27.75
16 558.19	H	56.21	41.56	-45.35	-	52.42	68.20	15.78
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_ANT 2 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 582.28[1)]	V	57.41	38.10	-49.80	-	45.71	74.00	28.29
16 543.45	H	56.79	41.54	-45.30	-	53.03	68.20	15.17
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 508.25[1)]	V	60.44	38.01	-49.67	-	48.78	74.00	25.22
16 783.16	V	56.49	41.78	-46.18	-	52.09	68.20	16.11
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 4)_ANT 1 Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 569.34[1)]	V	59.79	38.08	-49.78	-	48.09	74.00	25.91
16 561.78	H	56.59	41.56	-45.36	-	52.79	68.20	15.41
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_ANT 1 Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 667.09[1)]	V	61.40	38.20	-49.95	-	49.65	74.00	24.35
16 545.97	V	55.76	41.55	-45.31	-	52.00	68.20	16.20
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 4)_ANT 2 Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 477.70[1)]	V	58.24	37.99	-49.76	-	46.47	74.00	27.53
16 560.34	V	56.01	41.56	-45.36	-	52.21	68.20	15.99
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 4)_ANT 2 Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 591.98[1)]	V	59.17	38.11	-49.82	-	47.46	74.00	26.54
16 548.13	V	55.95	41.55	-45.31	-	52.19	68.20	16.01
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 4)_ANT 2 Highest Channel (5 825 ㎒)

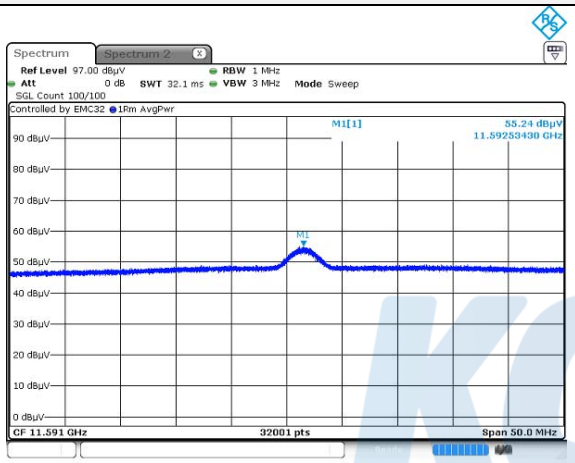
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 691.17[1)]	H	59.17	38.23	-50.00	-	47.40	74.00	26.60
16 554.95	V	56.48	41.55	-45.34	-	52.69	68.20	15.51
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 511.84[1)]	V	60.47	38.01	-49.68	-	48.80	74.00	25.20
16 548.13	H	56.82	41.55	-45.31	-	53.06	68.20	15.14
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 592.53[1)]	V	64.01	38.11	-49.82	-	52.30	74.00	21.70
16 727.09	H	56.57	41.73	-45.97	-	52.33	74.00	21.67
Average Data								
11 592.53[1)]	V	55.24	38.11	-49.82	0.10	43.63	54.00	10.37

Average data	
	Blank

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 2 Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 512.56[1)]	V	56.83	38.02	-49.68	-	45.17	74.00	28.83
16 551.00	H	55.98	41.55	-45.32	-	52.21	68.20	15.99
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 2 Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 600.25[1)]	H	58.00	38.12	-49.84	-	46.28	74.00	27.72
16 558.19	H	56.24	41.56	-45.35	-	52.45	68.20	15.75
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 36)_ANT 1 Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 625.41[1)]	V	60.60	38.15	-49.88	-	48.87	74.00	25.13
16 558.55	V	56.02	41.56	-45.35	-	52.23	68.20	15.97
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_ANT 2 Middle Channel (5 775 ㎒)

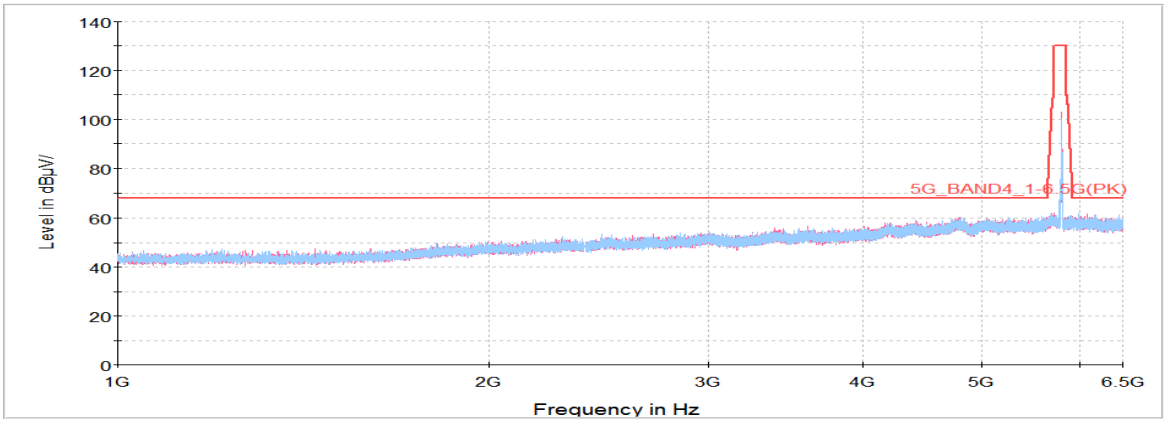
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 600.97[1)]	V	59.06	38.12	-49.84	-	47.34	74.00	26.66
16 562.86	H	56.44	41.56	-45.37	-	52.63	68.20	15.57
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

Plot of Harmonics and Spurious Emissions

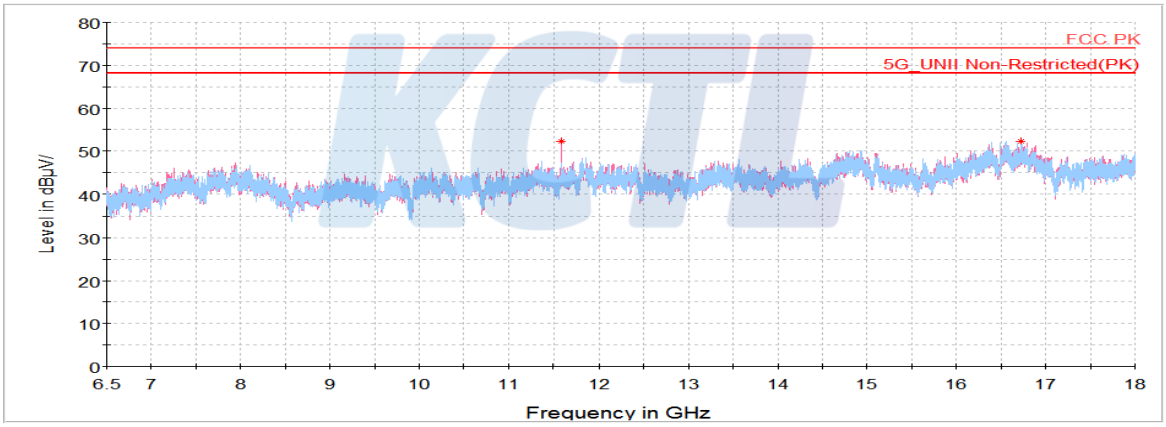
In order to simplify the report, attached plots were only the lowest margin condition

UNII-3_802.11ax_RU mode (HE 40 / 26T / RU offset 9)_ANT 1 Highest Channel (5 795 ㎒)

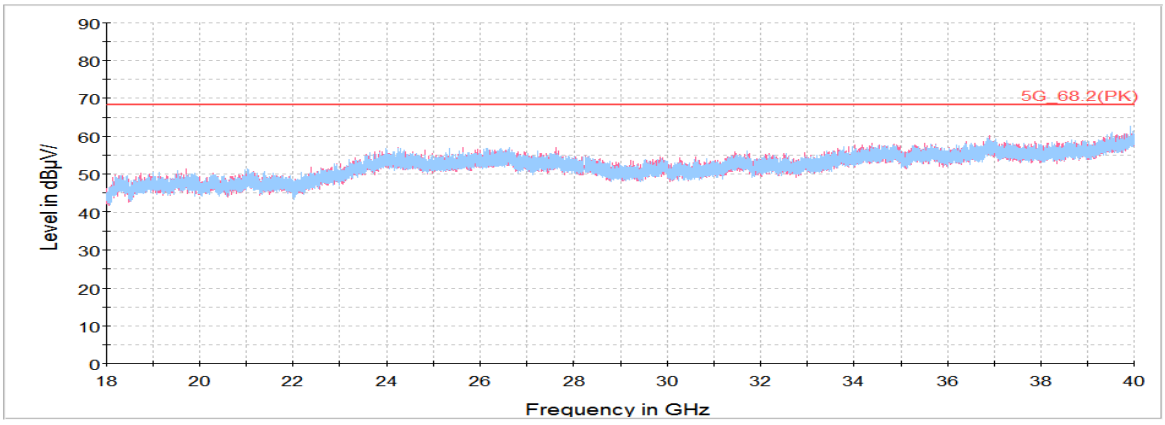
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



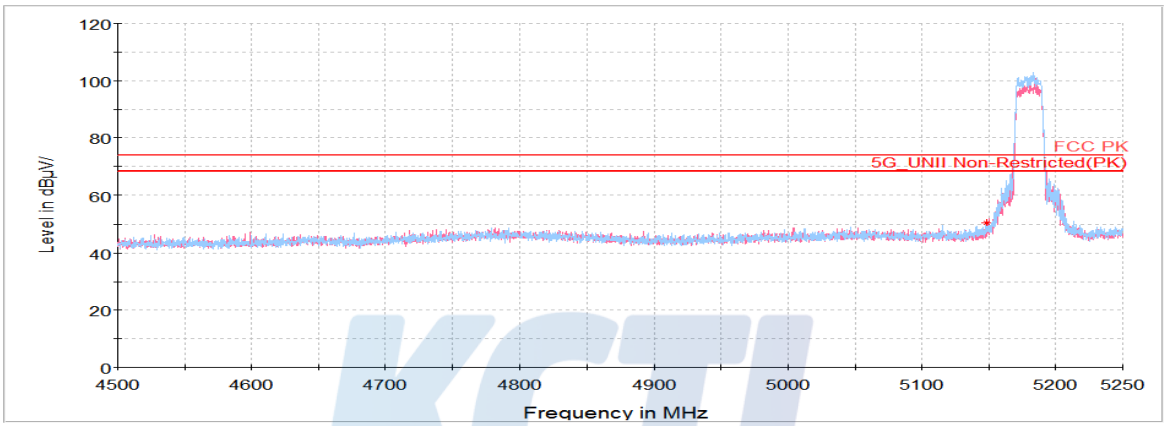
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



UNII-1 1Tx (MIMO) Restricted Bandedge (Lowest Channel)

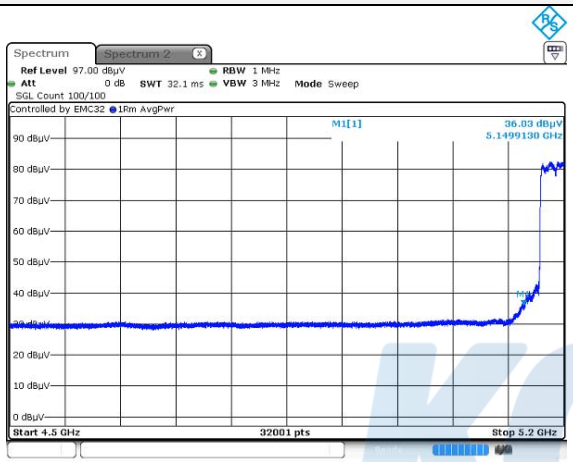
802.11ax_HE20 SU mode_MIMO Lowest Channel (5 180 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 148.03[1)]	V	43.55	34.24	-27.11	-	50.68	74.00	23.32
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								
Horizontal/Vertical for Band-edge								

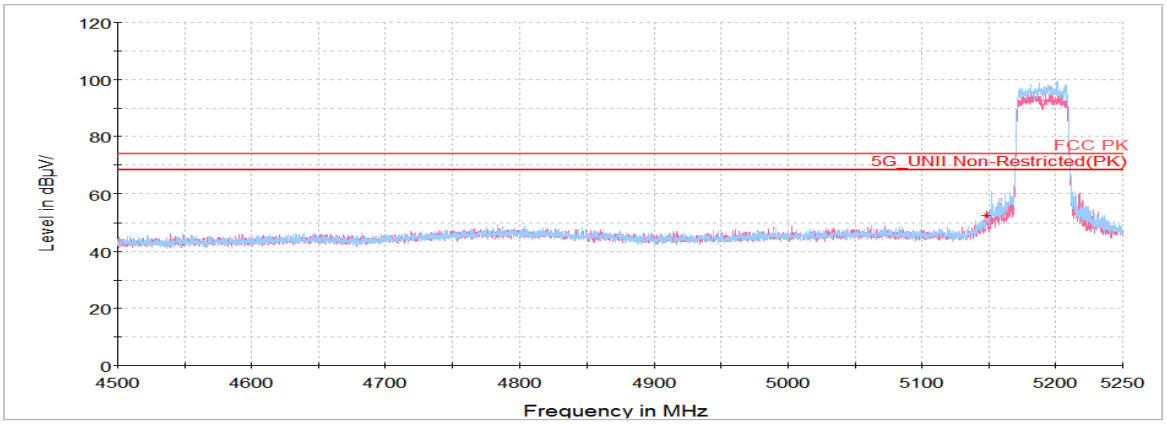


802.11ax_HE40 SU mode_MIMO Lowest Channel (5 190 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 149.91[1)]	H	45.58	34.24	-27.12	-	52.70	74.00	21.30
Average Data								
5 149.91[1)]	H	36.03	34.24	-27.12	1.44	44.59	54.00	9.41

Average data	
	Blank

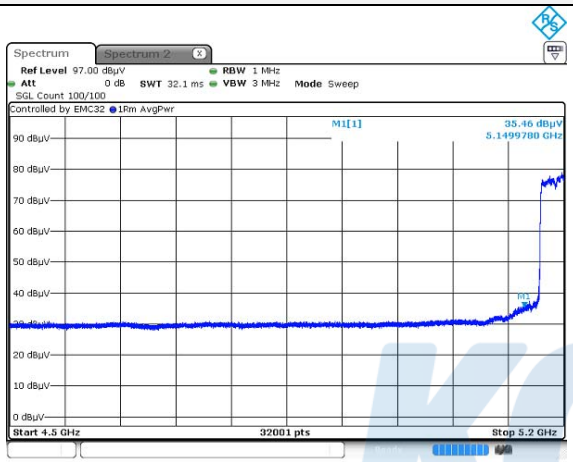
Horizontal/Vertical for Band-edge



802.11ax_HE80 SU mode_MIMO Middle Channel (5 210 ㎒)

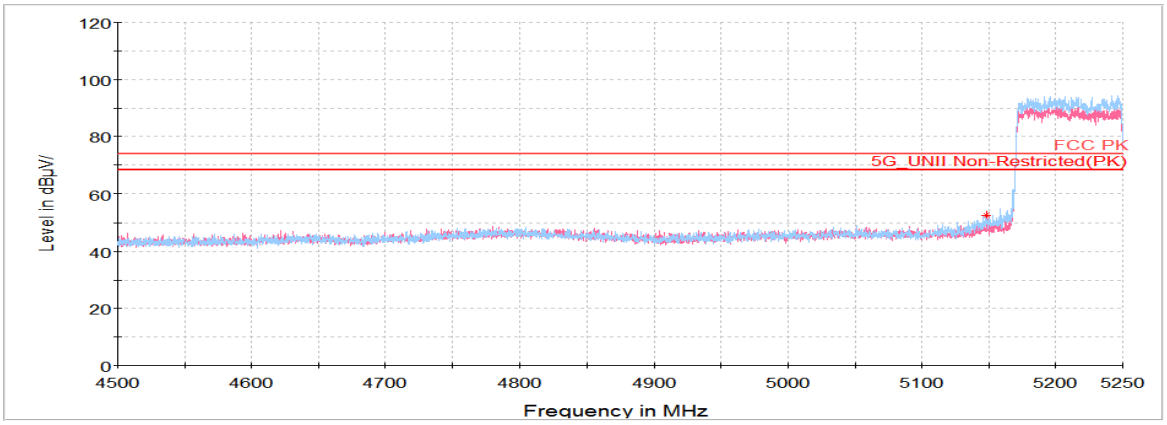
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 149.98[1)]	H	45.43	34.24	-27.12	-	52.55	74.00	21.45
Average Data								
5 149.98[1)]	H	35.46	34.24	-27.12	2.09	44.67	54.00	9.33

Average data



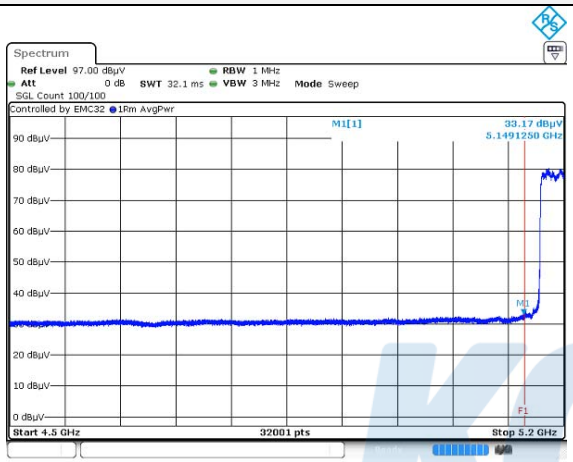
Blank

Horizontal/Vertical for Band-edge



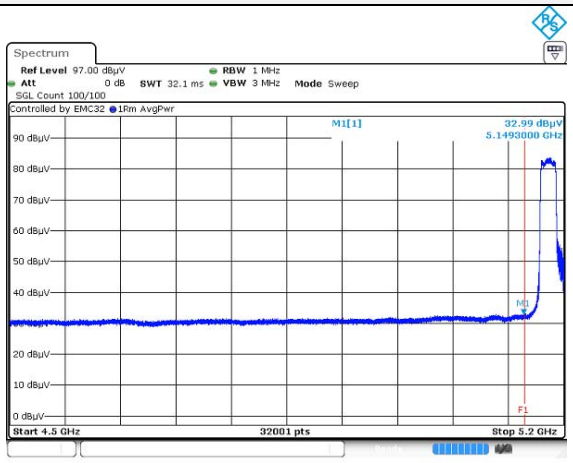
802.11ax_RU mode (HE 80 / 484T / RU offset 65)_MIMO Middle Channel (5 210 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 149.13[1)]	H	50.62	34.24	-27.11	-	57.75	74.00	16.25
Average Data								
5 149.13[1)]	H	33.17	34.24	-27.11	1.15	41.45	54.00	12.55

Average data	
	Blank

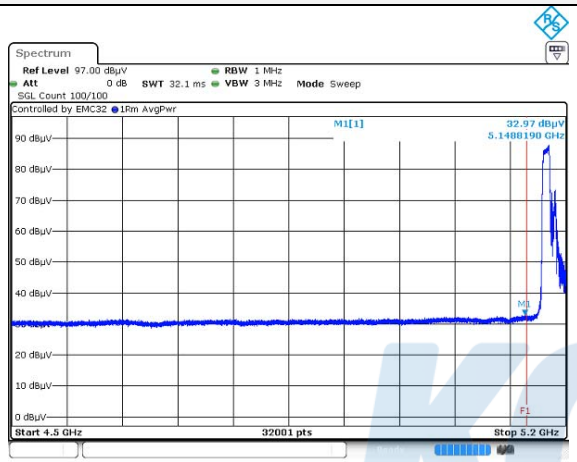
802.11ax_RU mode (HE 80 / 242T / RU offset 61)_MIMO Middle Channel (5 210 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 149.30[1)]	H	51.18	34.24	-27.11	-	58.31	74.00	15.69
Average Data								
5 149.30[1)]	H	32.99	34.24	-27.11	0.98	41.10	54.00	12.90

Average data	
	Blank

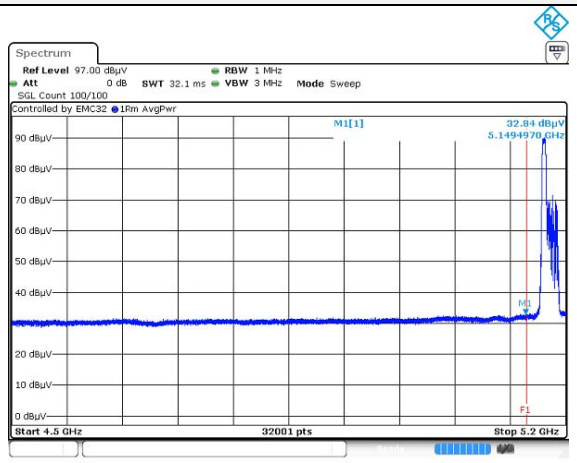
802.11ax_RU mode (HE 40 / 106T / RU offset 53)_MIMO Lowest Channel (5 190 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 148.82[1)]	H	50.75	34.24	-27.11	-	57.88	74.00	16.12
Average Data								
5 148.82[1)]	H	32.97	34.24	-27.11	0.47	40.57	54.00	13.43

Average data	
	Blank

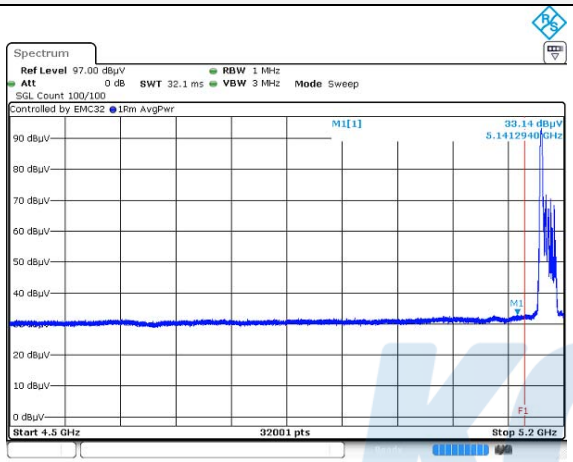
802.11ax_RU mode (HE 20 / 52T / RU offset 37)_MIMO Lowest Channel (5 180 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 149.50[1)]	H	50.64	34.24	-27.12	-	57.76	74.00	16.24
Average Data								
5 149.50[1)]	H	32.84	34.24	-27.12	0.23	40.19	54.00	13.81

Average data	
	Blank

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Lowest Channel (5 180 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 141.29[1)]	H	50.48	34.23	-27.06	-	57.65	74.00	16.35
Average Data								
5 141.29[1)]	H	33.14	34.23	-27.06	0.11	40.42	54.00	13.58

Average data	
	Blank

UNII-1 1Tx (MIMO) Harmonics and Spurious Emissions

802.11ax_HE20 SU mode_MIMO Lowest Channel (5 180 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 357.17	V	65.44	37.26	-51.99	-	50.71	68.20	17.49
16 522.25	V	55.72	41.52	-45.22	-	52.02	68.20	16.18
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_MIMO Middle Channel (5 200 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 404.61	V	68.09	37.30	-51.88	-	53.51	68.20	14.69
16 571.84	H	57.56	41.57	-45.40	-	53.73	68.20	14.47
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_MIMO Highest Channel (5 240 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 479.00	V	67.40	37.38	-51.71	-	53.07	68.20	15.13
16 543.81	V	56.04	41.54	-45.30	-	52.28	68.20	15.92
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Lowest Channel (5 190 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 378.02	V	64.41	37.28	-51.94	-	49.75	68.20	18.45
16 388.92	H	56.64	41.78	-45.83	-	52.59	68.20	15.61
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Highest Channel (5 230 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 450.61	V	63.54	37.35	-51.78	-	49.11	68.20	19.09
16 567.17	V	56.25	41.57	-45.38	-	52.44	68.20	15.76
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_MIMO Middle Channel (5 210 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 408.20	V	61.99	37.31	-51.87	-	47.43	68.20	20.77
16 540.94	H	55.94	41.54	-45.29	-	52.19	68.20	16.01
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_MIMO Lowest Channel (5 180 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 377.30	V	67.77	37.28	-51.94	-	53.11	68.20	15.09
16 544.17	V	56.76	41.54	-45.30	-	53.00	68.20	15.20
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Middle Channel (5 200 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 382.33	H	64.61	37.28	-51.93	-	49.96	68.20	18.24
16 573.64	V	56.31	41.57	-45.41	-	52.47	68.20	15.73
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_MIMO Highest Channel (5 240 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 496.97	V	67.23	37.40	-51.67	-	52.96	68.20	15.24
16 545.97	V	56.59	41.55	-45.31	-	52.83	68.20	15.37
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Lowest Channel (5 190 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 381.97	V	66.76	37.28	-51.93	-	52.11	68.20	16.09
16 547.77	V	56.14	41.55	-45.31	-	52.38	68.20	15.82
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 17)_MIMO Highest Channel (5 230 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 495.17	H	64.96	37.40	-51.68	-	50.68	68.20	17.52
16 527.64	H	55.83	41.53	-45.24	-	52.12	68.20	16.08
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_MIMO Middle Channel (5 210 ㎒)

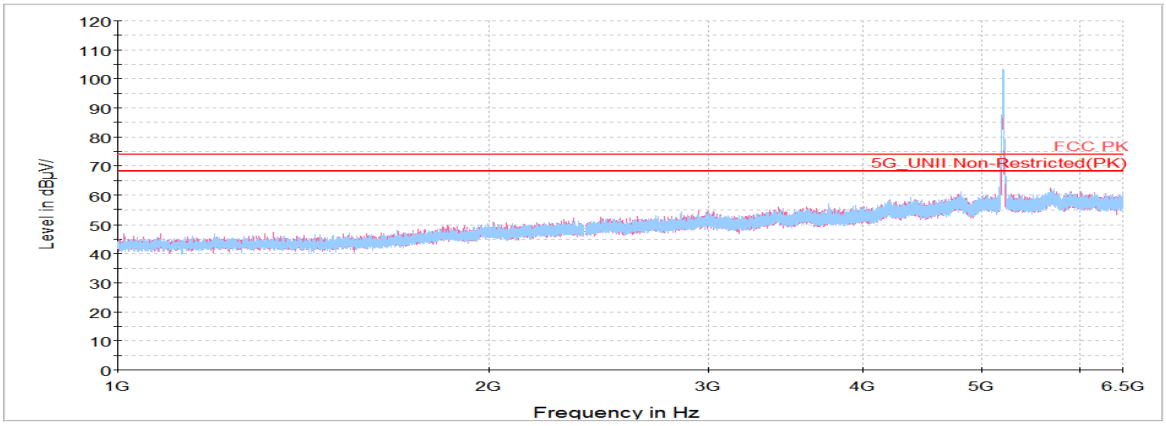
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 344.59	V	66.77	37.24	-52.02	-	51.99	68.20	16.21
16 565.38	V	56.78	41.57	-45.38	-	52.97	68.20	15.23
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

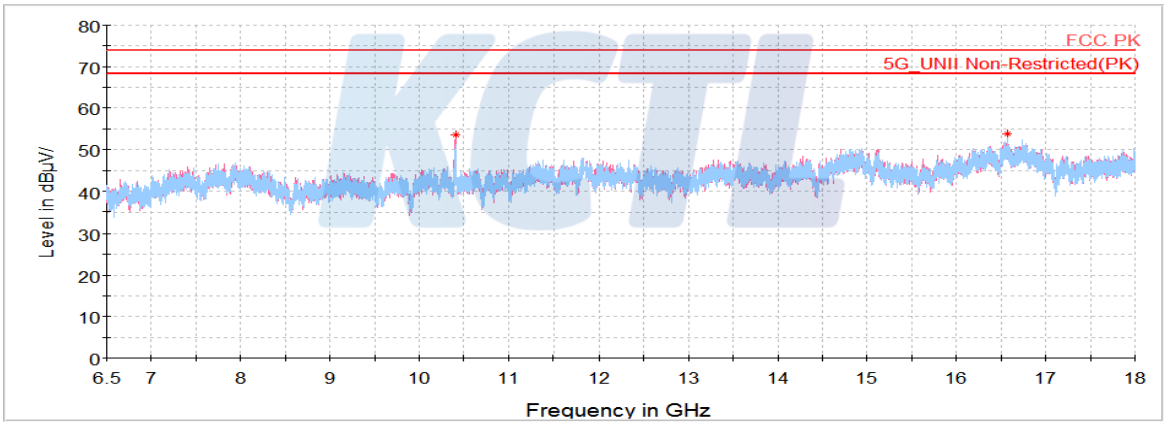
In order to simplify the report, attached plots were only the lowest margin condition

UNII-1_802.11ax_HE20 SU mode_MIMO Middle Channel (5 200 ㎒)

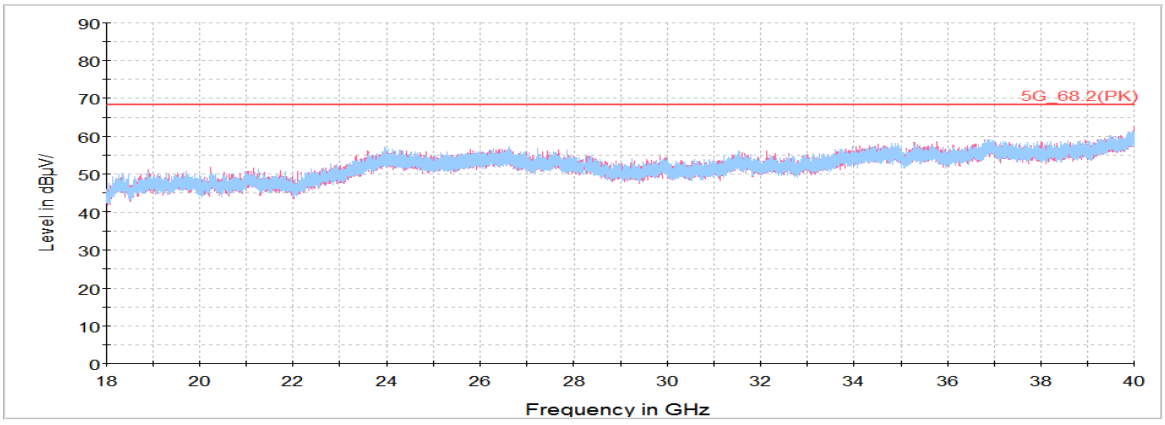
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



Horizontal/Vertical for 18 ㎓ ~ 40 ㎓

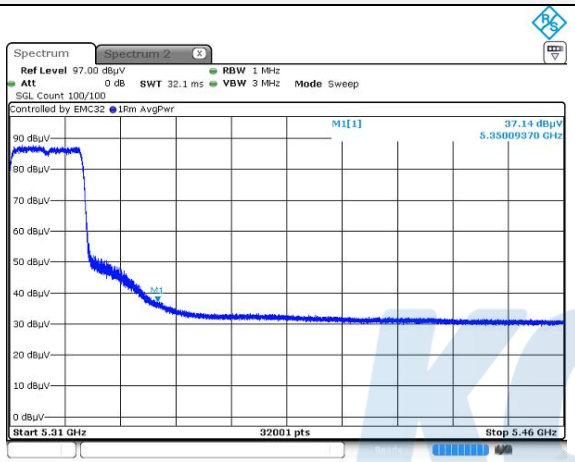


UNII-2A 1Tx (MIMO) Restricted Bandedge (Highest Channel)

802.11ax_HE20 SU mode_MIMO Highest Channel (5 320 ㎒)

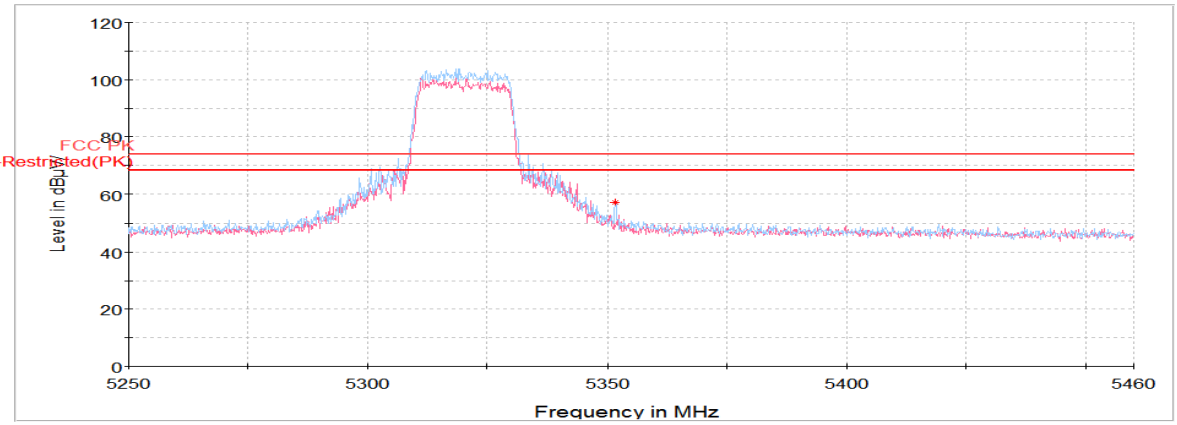
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.09[1)]	H	49.26	34.56	-26.84	-	56.98	74.00	17.02
Average Data								
5 350.09[1)]	H	37.14	34.56	-26.84	0.87	45.73	54.00	8.27

Average data



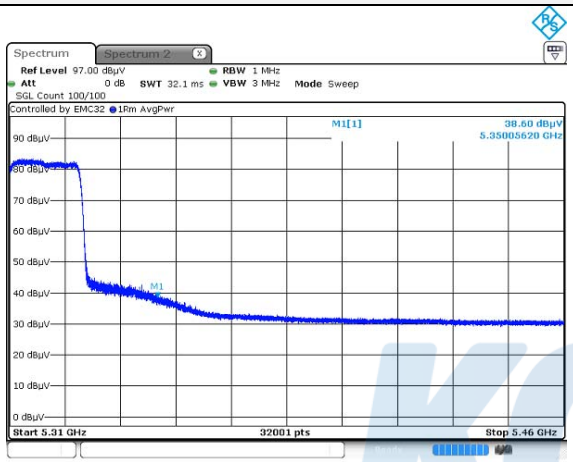
Blank

Horizontal/Vertical for Band-edge

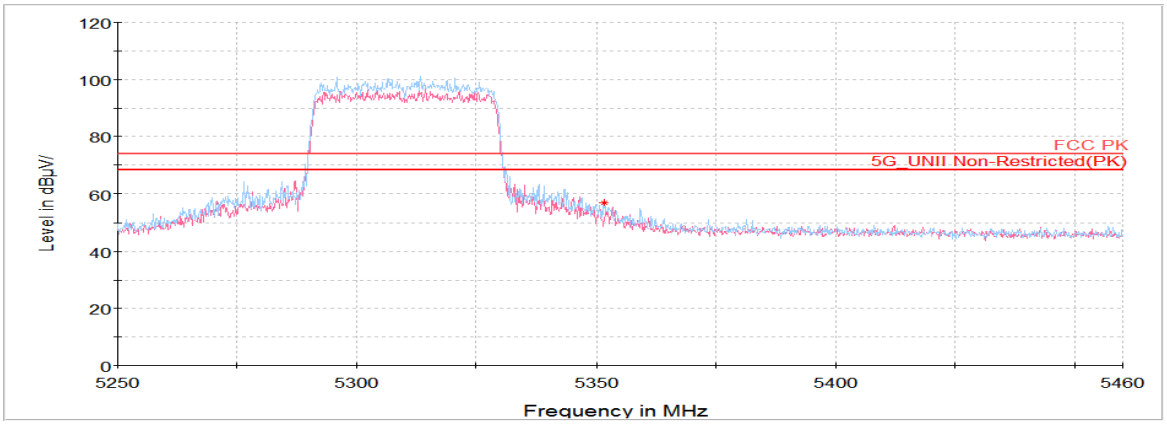


802.11ax_HE40 SU mode_MIMO Highest Channel (5 310 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.06[1)]	H	48.91	34.56	-26.84	-	56.63	74.00	17.37
Average Data								
5 350.06[1)]	H	38.60	34.56	-26.84	1.44	47.76	54.00	6.24

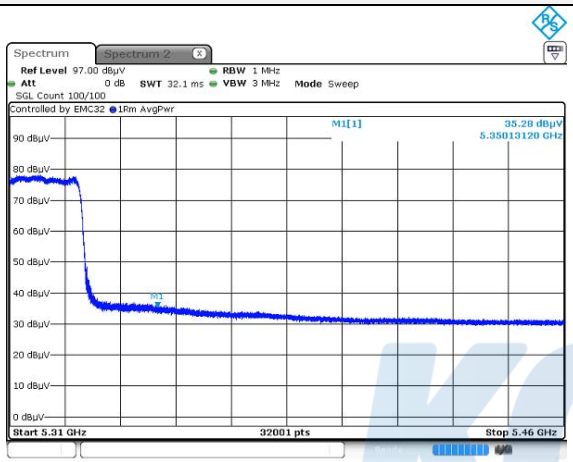
Average data	
	Blank

Horizontal/Vertical for Band-edge

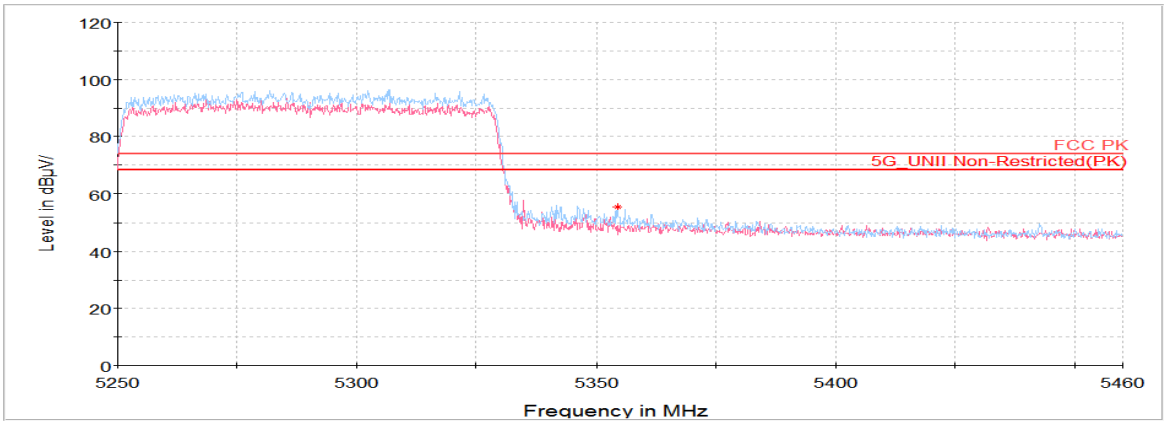


802.11ax_HE80 SU mode_MIMO Middle Channel (5 290 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.13[1)]	H	47.51	34.56	-26.84	-	55.23	74.00	18.77
Average Data								
5 350.13[1)]	H	35.28	34.56	-26.84	2.09	45.09	54.00	8.91

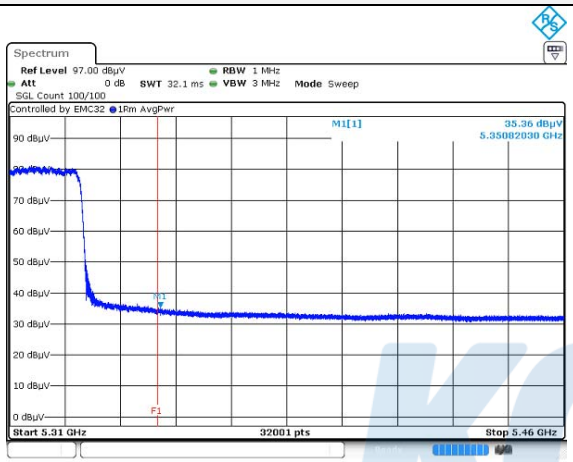
Average data	
	Blank

Horizontal/Vertical for Band-edge



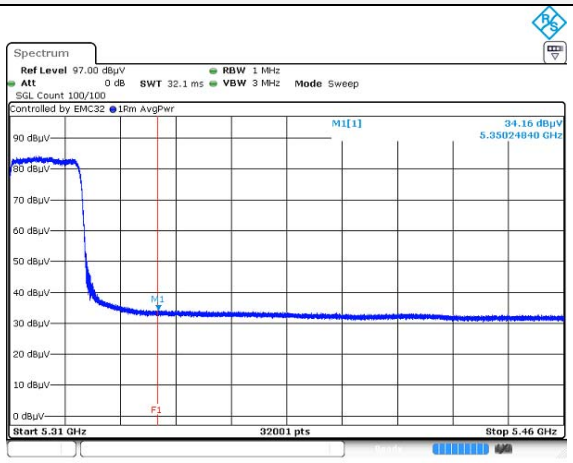
802.11ax_RU mode (HE 80 / 484T / RU offset 66)_MIMO Middle Channel (5 290 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.82[1)]	H	50.90	34.56	-26.84	-	58.62	74.00	15.38
Average Data								
5 350.82[1)]	H	35.36	34.56	-26.84	1.15	44.23	54.00	9.77

Average data	
	Blank

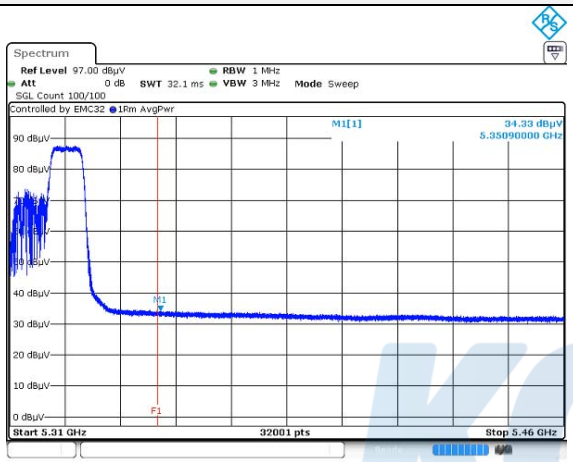
802.11ax_RU mode (HE 80 / 242T / RU offset 64)_MIMO Middle Channel (5 290 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.25[1)]	H	51.11	34.56	-26.84	-	58.83	74.00	15.17
Average Data								
5 350.25[1)]	H	34.16	34.56	-26.84	0.98	42.86	54.00	11.14

Average data	
	Blank

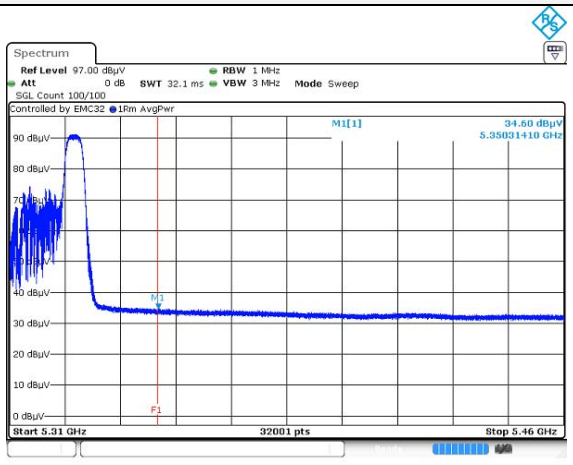
802.11ax_RU mode (HE 20 / 106T / RU offset 54)_MIMO Highest Channel (5 320 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.90[1)]	H	52.64	34.56	-26.84	-	60.36	74.00	13.64
Average Data								
5 350.90[1)]	H	34.33	34.56	-26.84	0.39	42.44	54.00	11.56

Average data	
	Blank

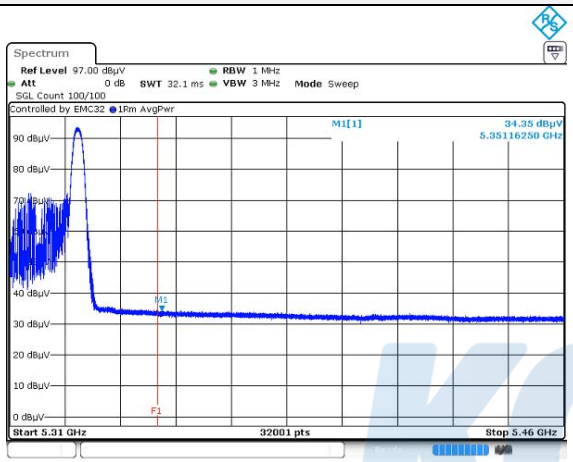
802.11ax_RU mode (HE 20 / 52T / RU offset 40)_MIMO Highest Channel (5 320 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 350.31[1)]	H	50.93	34.56	-26.84	-	58.65	74.00	15.35
Average Data								
5 350.31[1)]	H	34.60	34.56	-26.84	0.23	42.55	54.00	11.45

Average data	
	Blank

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_MIMO Highest Channel (5 320 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 351.16[1)]	H	51.19	34.56	-26.84	-	58.91	74.00	15.09
Average Data								
5 351.16[1)]	H	34.35	34.56	-26.84	0.11	42.18	54.00	11.82

Average data	
	Blank

UNII-2A 1Tx (MIMO) Harmonics and Spurious Emissions

802.11ax_HE20 SU mode_MIMO Lowest Channel (5 260 ㎒)

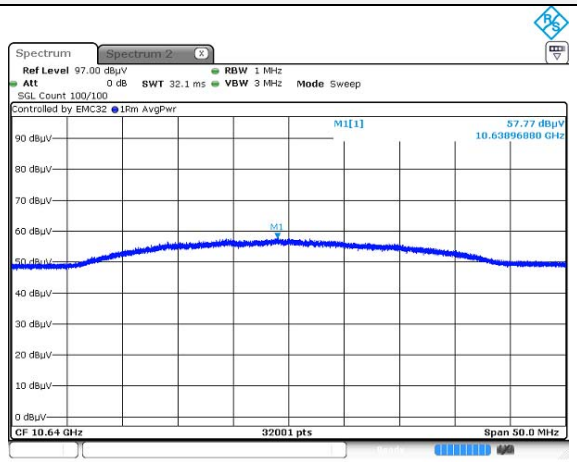
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 514.58	V	66.65	37.41	-51.67	-	52.39	68.20	15.81
16 562.86	H	55.72	41.56	-45.37	-	51.91	68.20	16.29
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_MIMO Middle Channel (5 280 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 553.03	V	66.91	37.43	-51.69	-	52.65	68.20	15.55
16 543.45	V	56.04	41.54	-45.30	-	52.28	68.20	15.92
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_MIMO Highest Channel (5 320 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 638.97[1)]	V	65.85	37.48	-51.73	-	51.60	74.00	22.40
16 768.42	H	57.65	41.77	-46.12	-	53.30	68.20	14.90
Average Data								
10 638.97[1)]	V	57.77	37.48	-51.73	0.87	44.39	54.00	9.61

Average data	
	Blank

802.11ax_HE40 SU mode_MIMO Lowest Channel (5 270 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 545.13	V	64.23	37.43	-51.69	-	49.97	68.20	18.23
16 538.78	V	55.42	41.54	-45.28	-	51.68	68.20	16.52
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Highest Channel (5 310 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 617.36[1)]	V	63.16	37.47	-51.72	-	48.91	74.00	25.09
16 592.69	H	55.54	41.59	-45.48	-	51.65	68.20	16.55
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_MIMO Middle Channel (5 290 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 594.72	V	60.10	37.46	-51.71	-	45.85	68.20	22.35
16 846.05	V	56.69	41.85	-46.41	-	52.13	68.20	16.07
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Lowest Channel (5 260 ㎒)

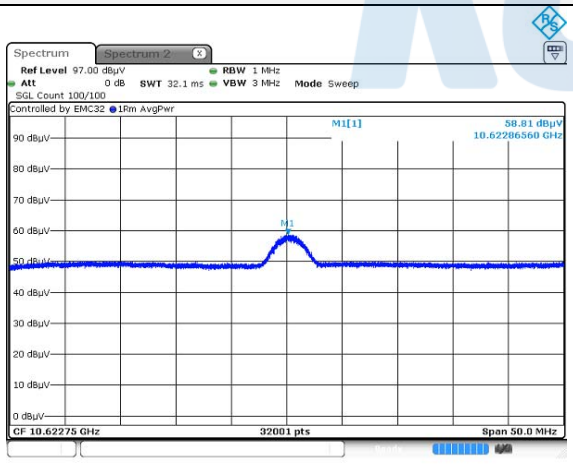
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 503.44	V	66.49	37.40	-51.67	-	52.22	68.20	15.98
16 546.69	H	56.74	41.55	-45.31	-	52.98	68.20	15.22
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Middle Channel (5 280 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 543.33	V	64.70	37.43	-51.69	-	50.44	68.20	17.76
16 778.48	V	55.93	41.78	-46.16	-	51.55	68.20	16.65
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Highest Channel (5 320 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 622.87[1)]	H	66.75	37.47	-51.72	-	52.50	74.00	21.50
16 578.67	H	56.36	41.58	-45.43	-	52.51	68.20	15.69
Average Data								
10 622.87[1)]	H	58.81	37.47	-51.72	0.11	44.67	54.00	9.33

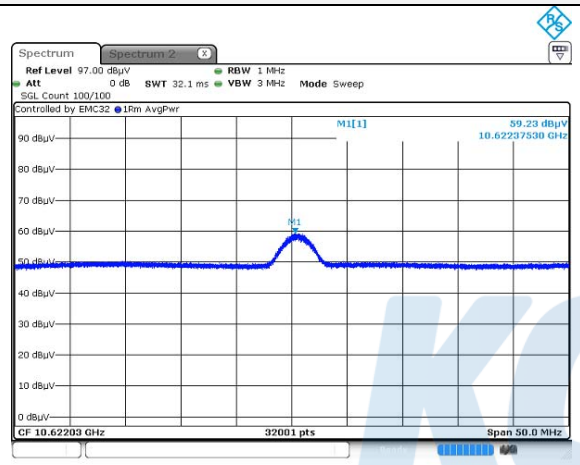
Average data	
	Blank

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Lowest Channel (5 270 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 542.25	V	67.46	37.43	-51.68	-	53.21	68.20	14.99
16 549.92	H	56.34	41.55	-45.32	-	52.57	68.20	15.63
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Highest Channel (5 310 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 622.38[1)]	V	66.82	37.47	-51.72	-	52.57	74.00	21.43
16 573.64	V	57.61	41.57	-45.41	-	53.77	68.20	14.43
Average Data								
10 622.38[1)]	V	59.23	37.47	-51.72	0.11	45.09	68.20	23.11

Average data	
	Blank

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_MIMO Middle Channel (5 290 ㎒)

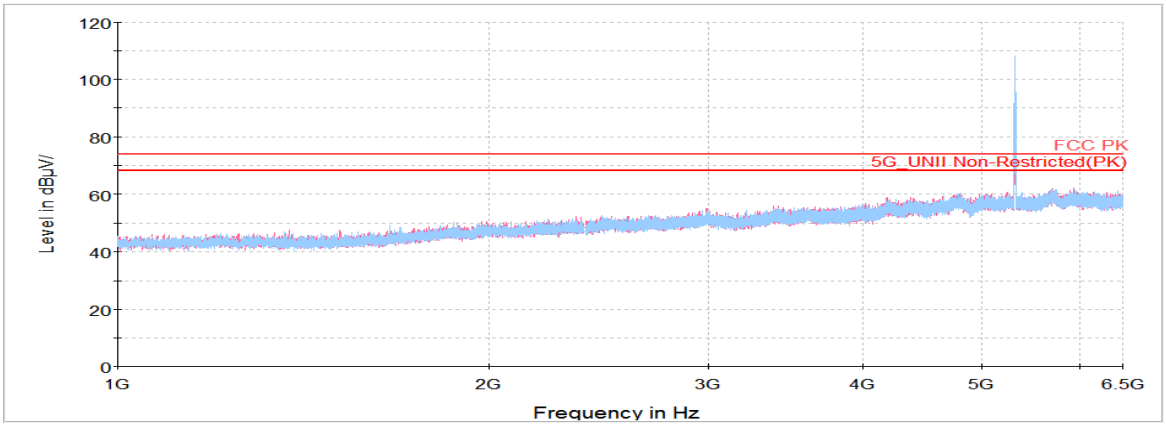
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 505.23	V	63.94	37.40	-51.67	-	49.67	68.20	18.53
16 547.77	H	56.09	41.55	-45.31	-	52.33	68.20	15.87
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

Plot of Harmonics and Spurious Emissions

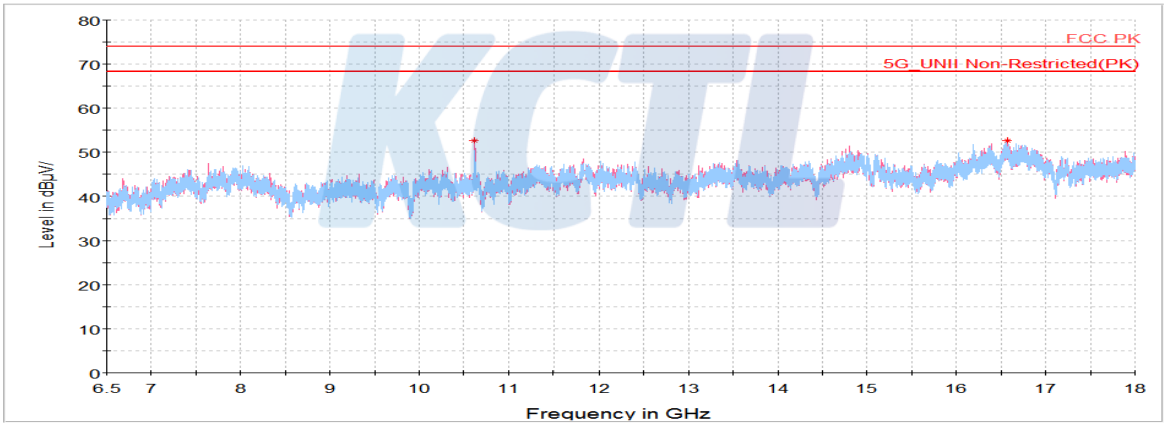
In order to simplify the report, attached plots were only the lowest margin condition

UNII-2A_802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Highest Channel (5 320 ㎒)

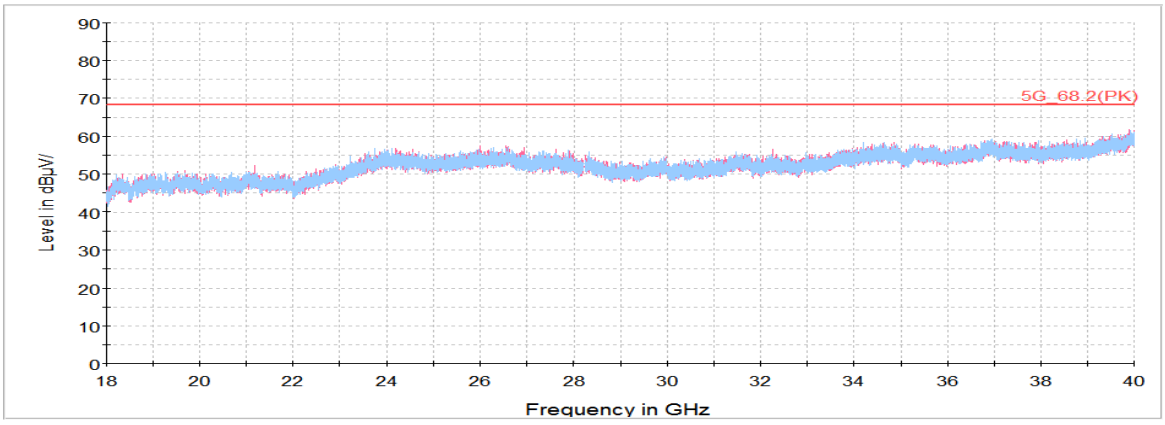
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



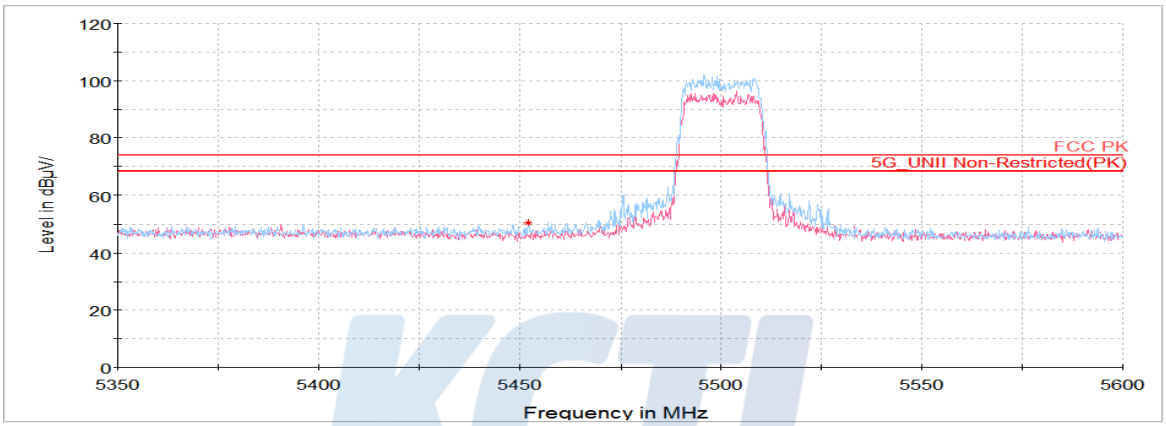
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



UNII-2C Tx (MIMO) Restricted Bandedge (Lowest Channel)

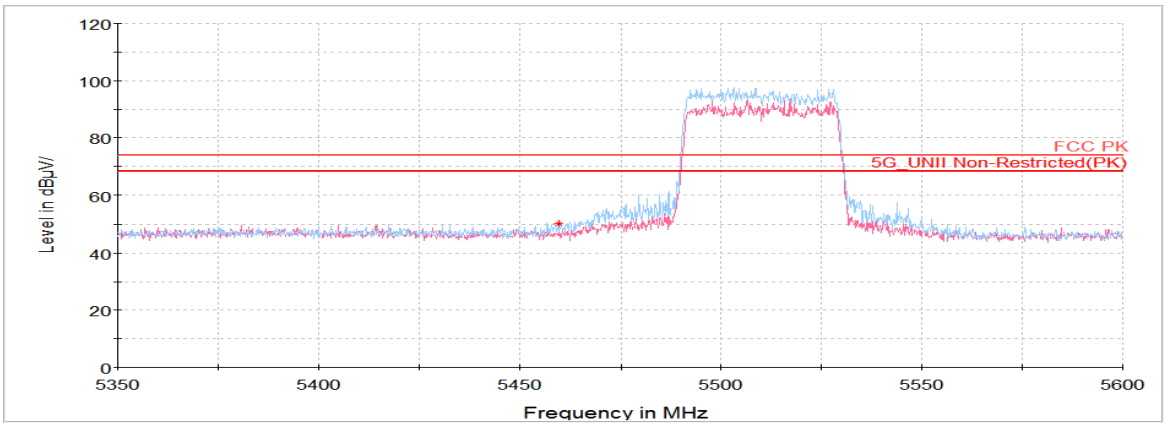
802.11ax_HE20 SU mode_MIMO Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 452.25[1)]	H	43.19	34.72	-27.27	-	50.64	74.00	23.36
Average Data								
No spurious emissions were detected within 20 dB of the limit								
Horizontal/Vertical for Band-edge								



802.11ax_HE40 SU mode_MIMO Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.81[1)]	H	42.97	34.74	-27.35	-	50.36	74.00	23.64
Average Data								
No spurious emissions were detected within 20 dB of the limit								
Horizontal/Vertical for Band-edge								

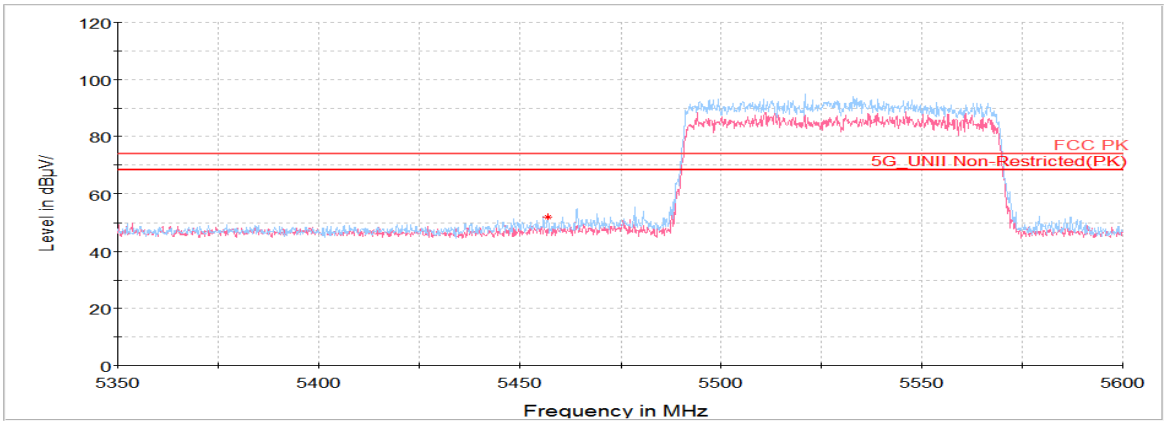


802.11ax_HE80 SU mode_MIMO Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.98[1)]	H	44.53	34.74	-27.35	-	51.92	74.00	22.08
Average Data								
5 459.98[1)]	H	35.03	34.74	-27.35	2.09	44.51	54.00	9.49

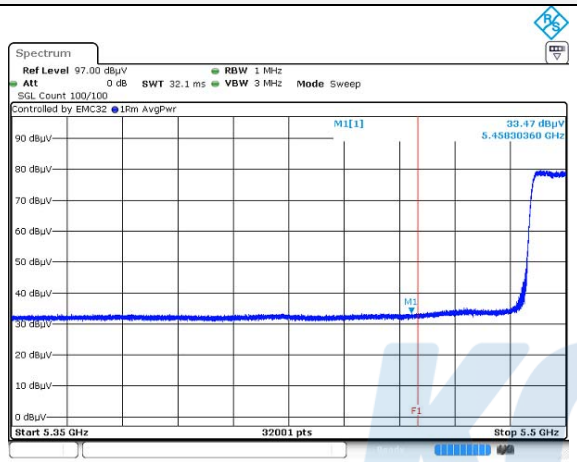
Average data	
	Blank

Horizontal/Vertical for Band-edge



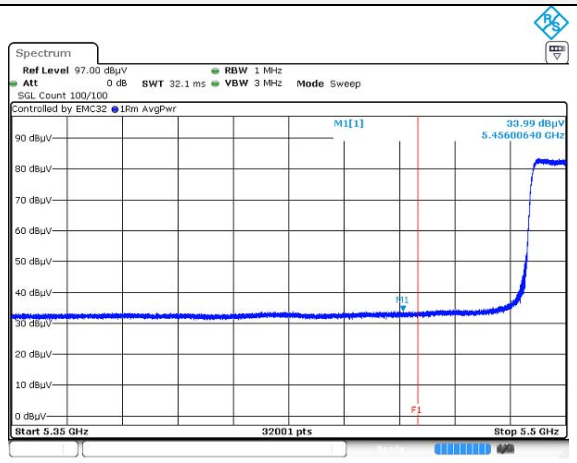
802.11ax_RU mode (HE 80 / 484T / RU offset 65)_MIMO Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 458.30[1)]	H	50.58	34.73	-27.33	-	57.98	74.00	16.02
Average Data								
5 458.30[1)]	H	33.47	34.73	-27.33	1.15	42.02	54.00	11.98

Average data	
	Blank

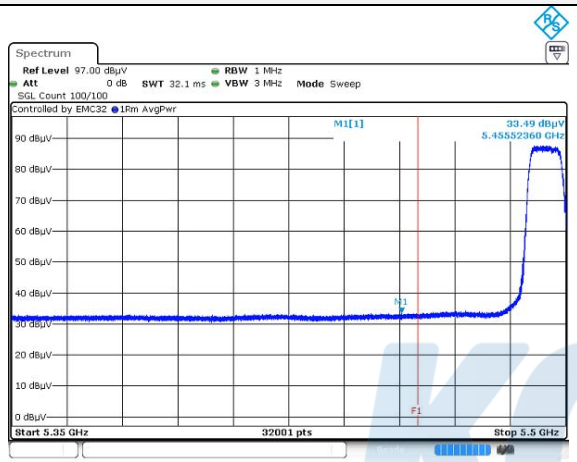
802.11ax_RU mode (HE 80 / 242T / RU offset 61)_MIMO Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 456.01[1)]	H	50.46	34.73	-27.31	-	57.88	74.00	16.12
Average Data								
5 456.01[1)]	H	33.99	34.73	-27.31	0.98	42.39	54.00	11.61

Average data	
	Blank

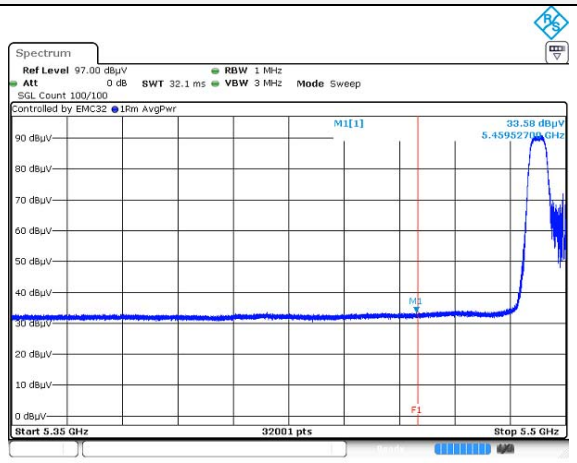
802.11ax_RU mode (HE 20 / 106T / RU offset 53)_MIMO Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 455.52[1)]	H	50.85	34.73	-27.30	-	58.28	74.00	15.72
Average Data								
5 455.52[1)]	H	33.49	34.73	-27.30	0.39	41.31	54.00	12.69

Average data	
	Blank

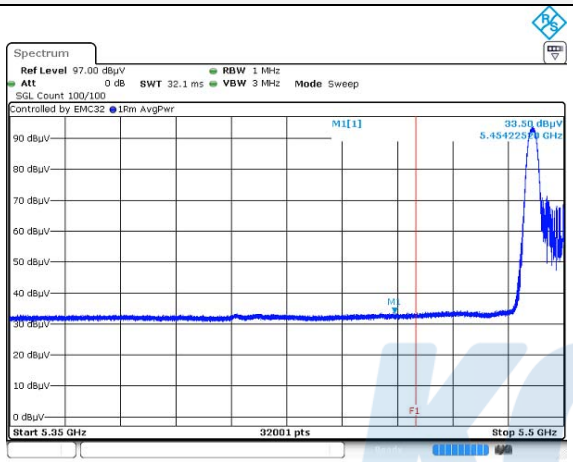
802.11ax_RU mode (HE 20 / 52T / RU offset 37)_MIMO Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 459.53[1)]	H	50.77	34.74	-27.35	-	58.16	74.00	15.84
Average Data								
5 459.53[1)]	H	33.58	34.74	-27.35	0.23	41.20	54.00	12.80

Average data	
	Blank

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Lowest Channel (5 500 ㎒)

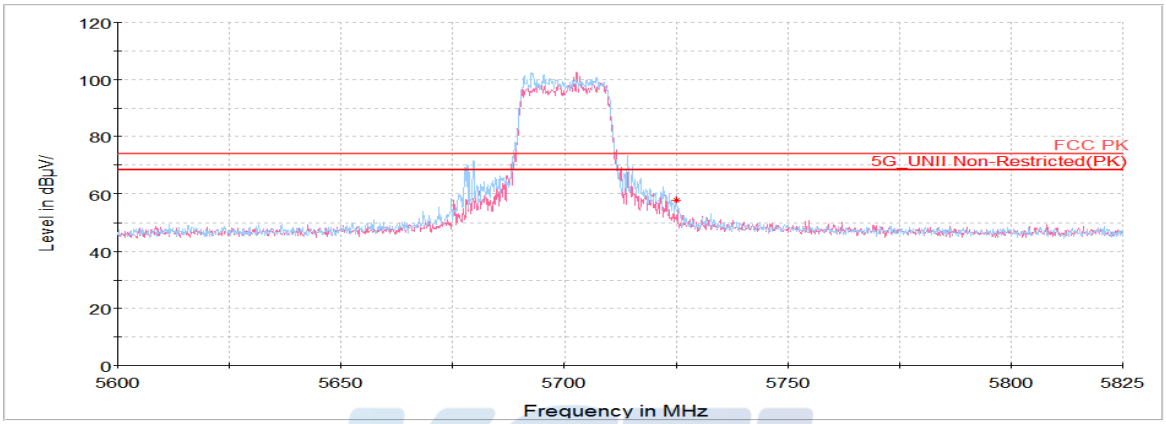
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 454.23[1)]	H	50.12	34.73	-27.29	-	57.56	74.00	16.44
Average Data								
5 454.23[1)]	H	33.50	34.73	-27.29	0.11	41.05	54.00	12.95

Average data	
	Blank

UNII-2C 1Tx (MIMO) Bandedge (Highest Channel)

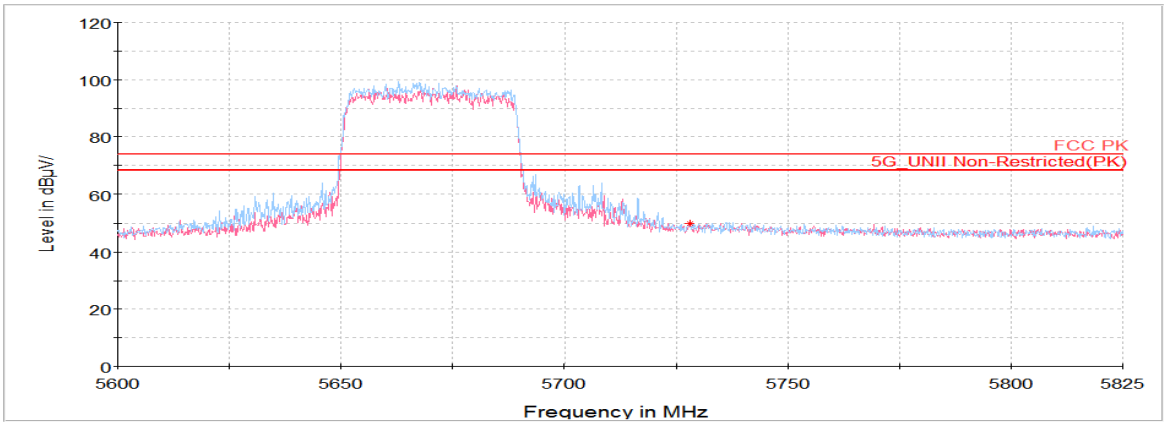
802.11ax_HE20 SU mode_MIMO Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 725.02	H	48.38	35.07	-25.92	-	57.53	68.20	10.67
Horizontal/Vertical for Band-edge								



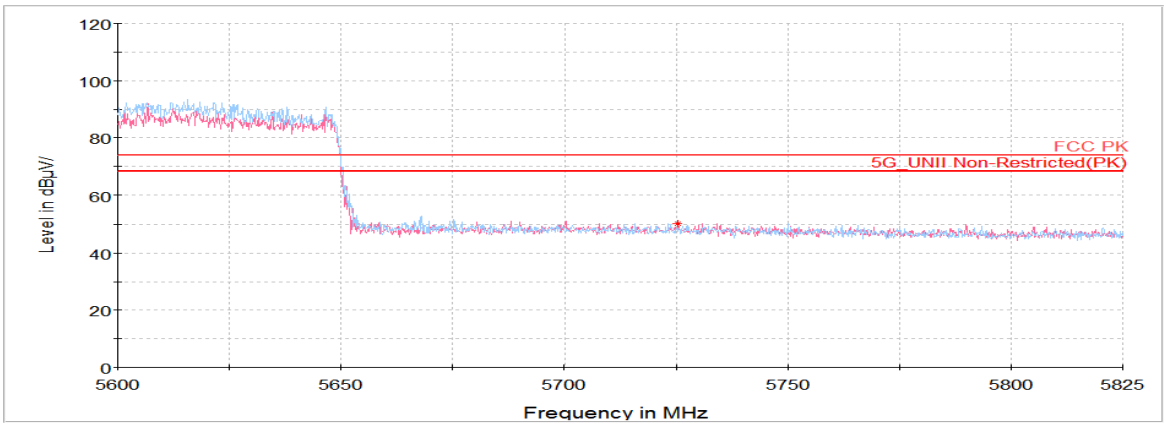
802.11ax_HE40 SU mode_MIMO Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 727.94	V	40.80	35.07	-25.96	-	49.91	68.20	18.29
Horizontal/Vertical for Band-edge								



802.11ax_HE80 SU mode_MIMO Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 725.36	V	41.19	35.07	-25.92	-	50.34	68.20	17.86
Horizontal/Vertical for Band-edge								



802.11ax_RU mode (HE 80 / 484T / RU offset 66)_MIMO Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 730.34	V	52.55	35.08	-25.99	-	61.64	68.20	6.56

802.11ax_RU mode (HE 80 / 242T / RU offset 64)_MIMO Highest Channel (5 610 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 725.70	H	51.12	35.07	-25.93	-	60.26	68.20	7.94

802.11ax_RU mode (HE 20 / 106T / RU offset 54)_MIMO Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 739.63	H	51.71	35.09	-26.12	-	60.68	68.20	7.52

802.11ax_RU mode (HE 20 / 52T / RU offset 40)_MIMO Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 725.70	H	50.85	35.07	-25.93	-	59.99	68.20	8.21

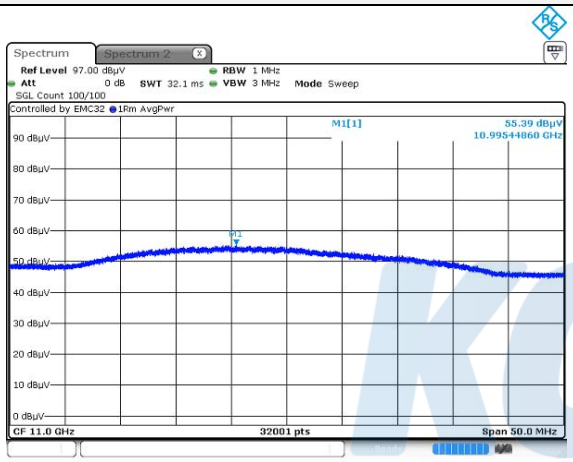
802.11ax_RU mode (HE 20 / 26T / RU offset 8)_MIMO Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 728.63	H	51.91	35.07	-25.97	-	61.01	68.20	7.19

UNII-2C 1Tx (MIMO) Harmonics and Spurious Emissions

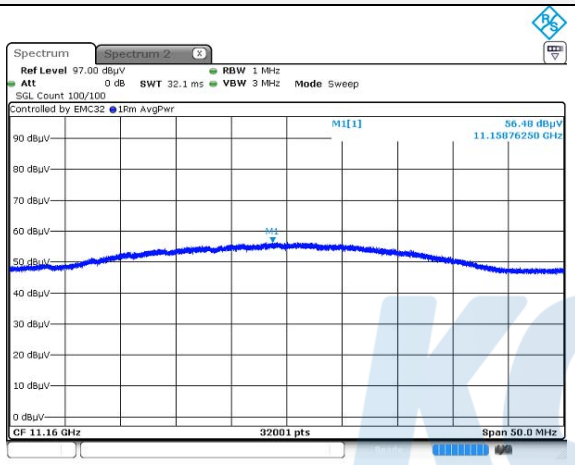
802.11ax_HE20 SU mode_MIMO Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 995.45[1)]	V	66.03	37.70	-51.90	-	51.83	74.00	22.17
16 563.22	H	56.58	41.56	-45.37	-	52.77	68.20	15.43
Average Data								
10 995.45[1)]	V	55.39	37.70	-51.90	0.87	42.06	54.00	11.94

Average data	
	Blank

802.11ax_HE20 SU mode_MIMO Middle Channel (5 580 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 158.76[1)]	V	65.81	37.80	-51.19	-	52.42	74.00	21.58
16 557.83	V	56.08	41.56	-45.35	-	52.29	68.20	15.91
Average Data								
11 158.76[1)]	V	56.48	37.80	-51.19	0.87	43.96	54.00	10.04

Average data	
	Blank

802.11ax_HE20 SU mode_MIMO Highest Channel (5 700 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 396.13[1)]	V	61.87	37.94	-50.12	-	49.69	74.00	24.31
16 701.22	V	56.49	41.70	-45.88	-	52.31	68.20	15.89
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 035.67[1)]	V	60.34	37.72	-51.74	-	46.32	74.00	27.68
16 551.00	H	56.17	41.55	-45.32	-	52.40	68.20	15.80
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 169.72[1)]	V	60.81	37.80	-51.14	-	47.47	74.00	26.53
16 535.19	H	56.68	41.54	-45.27	-	52.95	68.20	15.25
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 340.06[1)]	V	61.41	37.90	-50.38	-	48.93	74.00	25.07
16 728.53	V	57.01	41.73	-45.98	-	52.76	68.20	15.44
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_MIMO Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 051.84[1)]	V	59.64	37.73	-51.67	-	45.70	74.00	28.30
16 563.58	H	56.43	41.56	-45.37	-	52.62	68.20	15.58
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_HE80 SU mode_MIMO Highest Channel (5 610 ㎒)

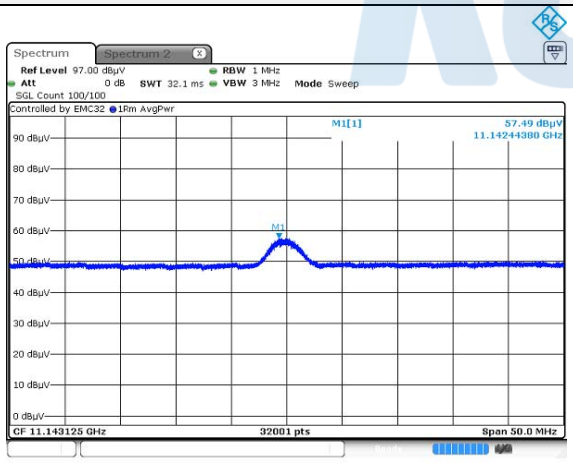
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 221.83[1)]	H	58.59	37.83	-50.90	-	45.52	74.00	28.48
16 552.44	V	55.55	41.55	-45.33	-	51.77	68.20	16.43
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 8)_MIMO Lowest Channel (5 500 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 017.70[1)]	V	62.99	37.71	-51.82	-	48.88	74.00	25.12
16 549.92	V	55.80	41.55	-45.32	-	52.03	68.20	16.17
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Middle Channel (5 580 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 142.44[1)]	V	66.75	37.79	-51.26	-	53.28	74.00	20.72
16 525.84	V	56.19	41.53	-45.23	-	52.49	68.20	15.71
Average Data								
11 142.44[1)]	V	57.49	37.79	-51.26	0.11	44.13	54.00	9.87

Average data	
	Blank

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Highest Channel (5 700 ㎒)

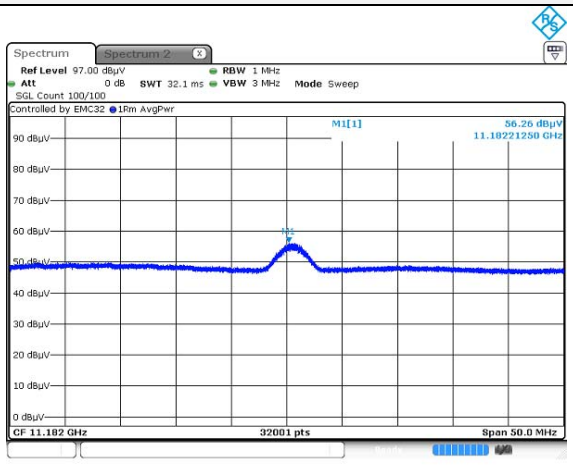
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 383.91[1)]	V	62.58	37.93	-50.18	-	50.33	74.00	23.67
16 527.28	V	56.02	41.53	-45.24	-	52.31	68.20	15.89
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Lowest Channel (5 510 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 022.73[1)]	V	64.28	37.71	-51.80	-	50.19	74.00	23.81
16 556.75	V	55.83	41.56	-45.35	-	52.04	68.20	16.16
Average Data								
No spurious emissions were detected within 20 dB of the limit								

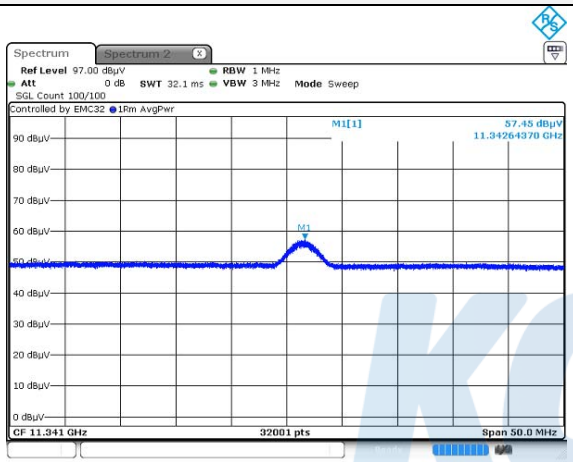
802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Middle Channel (5 590 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 182.21[1)]	V	67.19	37.81	-51.08	-	53.92	74.00	20.08
16 560.70	V	56.54	41.56	-45.36	-	52.74	68.20	15.46
Average Data								
11 182.21[1)]	V	56.26	37.81	-51.08	0.11	43.10	54.00	10.90

Average data	
	Blank

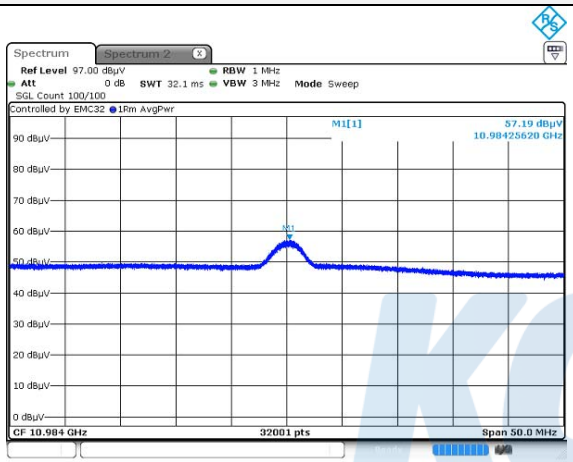
802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Highest Channel (5 670 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 342.64[1)]	V	67.18	37.91	-50.36	-	54.73	74.00	19.27
16 570.05	H	56.17	41.57	-45.39	-	52.35	68.20	15.85
Average Data								
11 342.64[1)]	V	57.45	37.91	-50.36	0.11	45.11	54.00	8.89

Average data	
	Blank

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_MIMO Lowest Channel (5 530 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
10 984.26[1)]	V	66.68	37.69	-51.89	-	52.48	74.00	21.52
16 531.23	V	56.39	41.53	-45.25	-	52.67	68.20	15.53
Average Data								
10 984.26[1)]	V	57.19	37.69	-51.89	0.14	43.13	54.00	10.87

Average data	
	Blank

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_MIMO Highest Channel (5 610 ㎒)

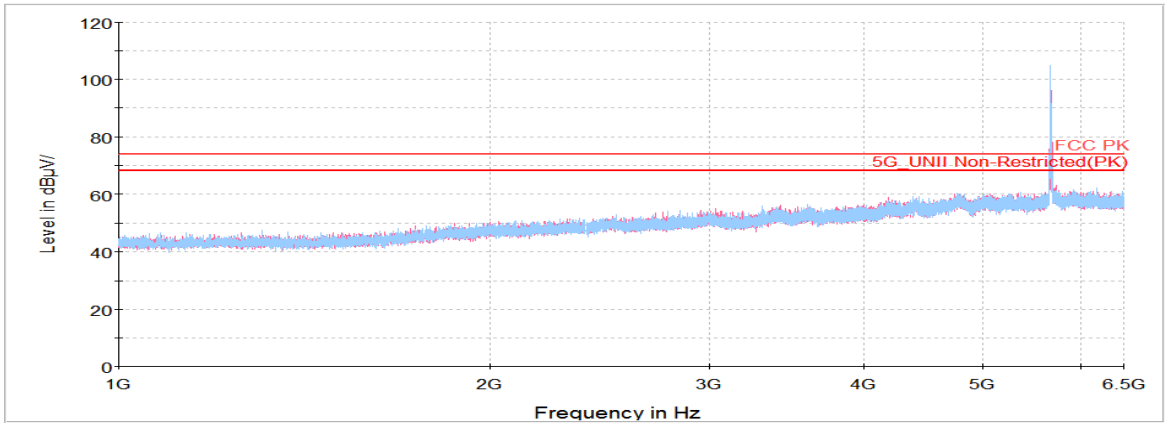
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 144.92[1)]	V	63.73	37.79	-51.25	-	50.27	74.00	23.73
16 554.59	H	56.65	41.55	-45.34	-	52.86	68.20	15.34
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

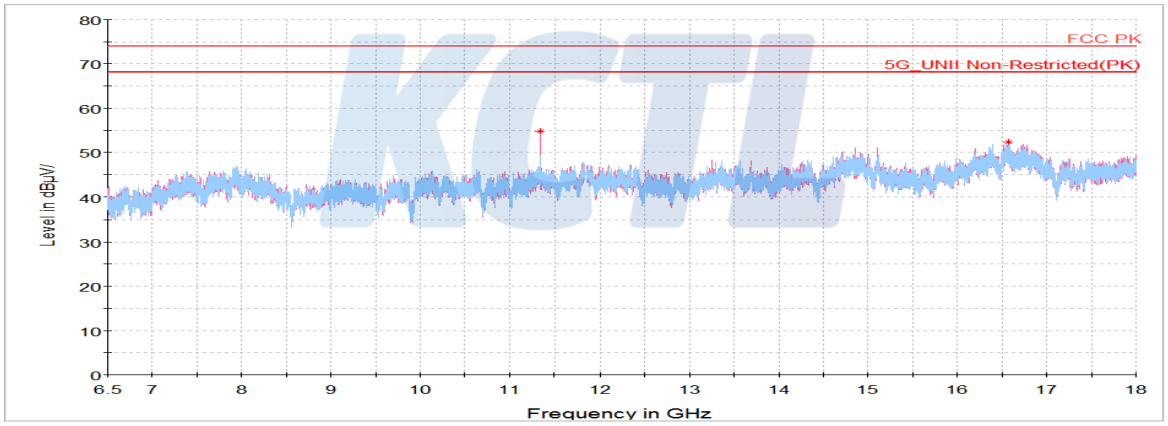
In order to simplify the report, attached plots were only the lowest margin condition

UNII-2C_802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Highest Channel (5 670 ㎒)

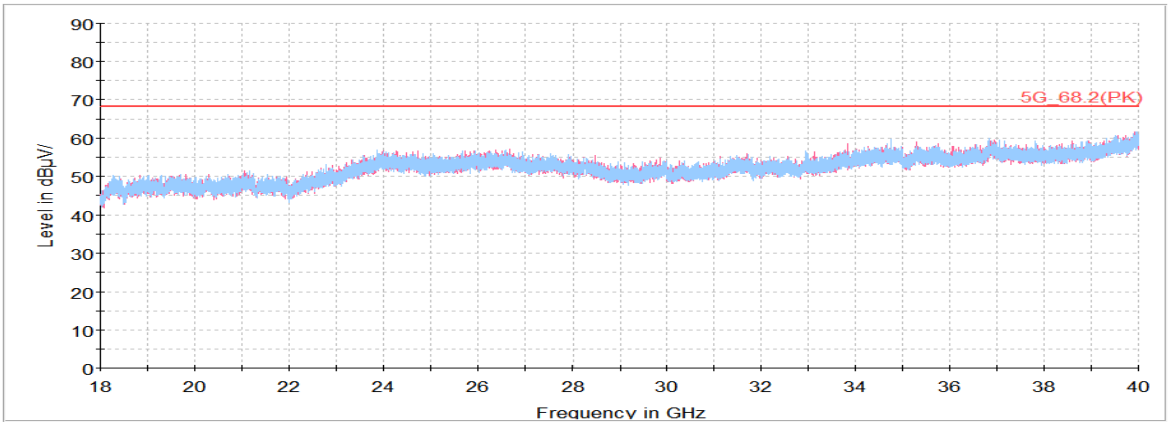
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



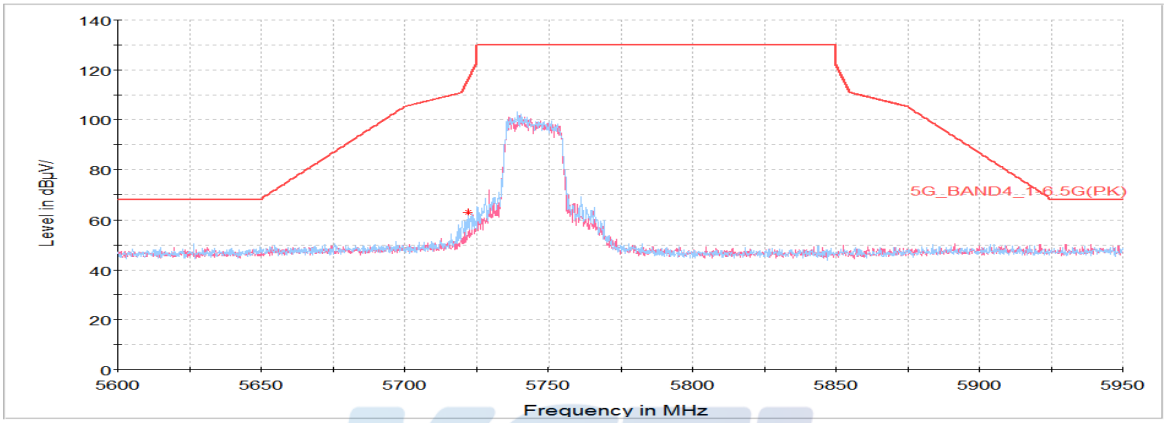
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



UNII-3 Tx (MIMO) Bandedge (Lowest Channel)

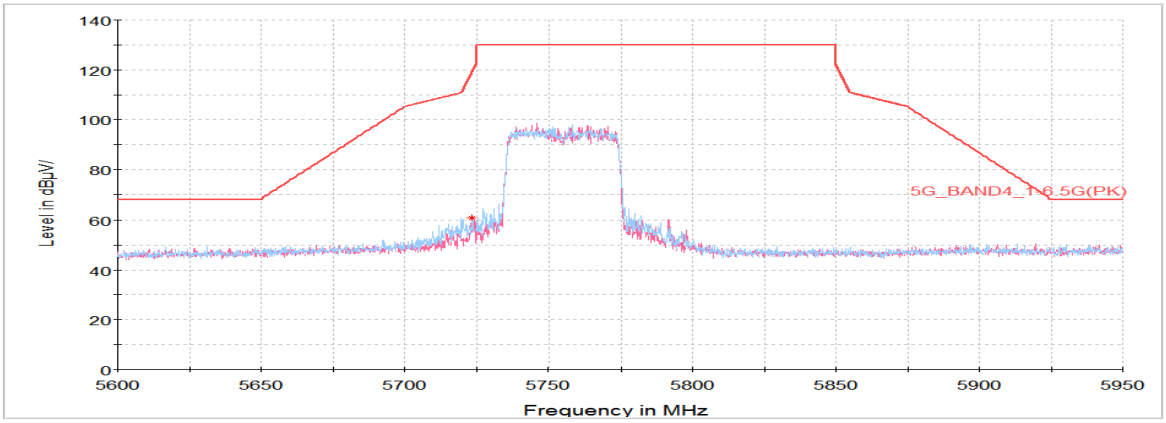
802.11ax_HE20 SU mode_MIMO Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 722.09	H	53.67	35.07	-25.88	-	62.86	115.57	52.71
Horizontal/Vertical for Band-edge								



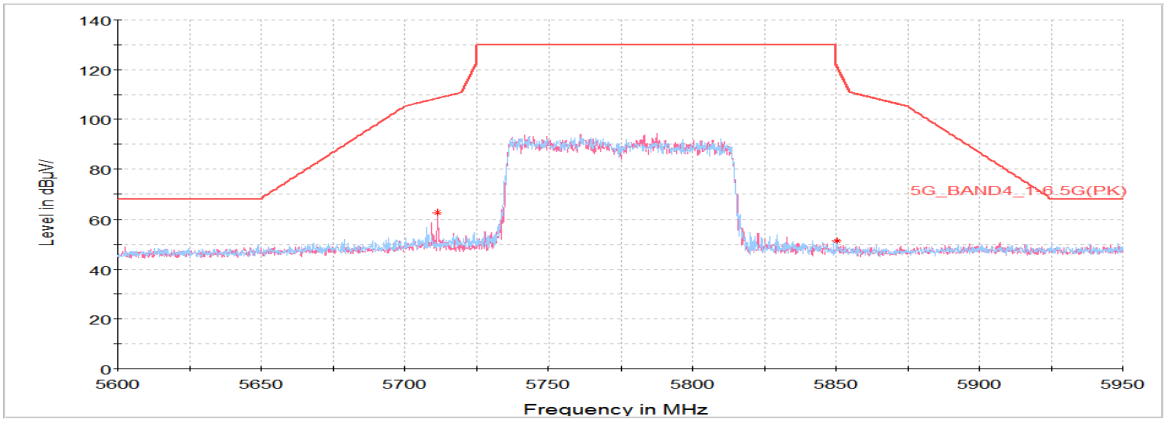
802.11ax_HE40 SU mode_MIMO Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 723.64	H	51.74	35.07	-25.90	-	60.91	119.10	58.19
Horizontal/Vertical for Band-edge								



802.11ax_HE80 SU mode_MIMO Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 711.61	V	53.49	35.05	-25.73	-	62.81	108.45	45.64
Horizontal/Vertical for Band-edge								



802.11ax_RU mode (HE 80 / 484T / RU offset 65)_MIMO Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 722.95	V	42.12	35.07	-25.89	-	51.30	117.53	66.23

802.11ax_RU mode (HE 40 / 242T / RU offset 61)_MIMO Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 720.55	V	42.46	35.06	-25.85	-	51.67	112.05	60.38

802.11ax_RU mode (HE 20 / 106T / RU offset 53)_MIMO Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 723.64	H	42.43	35.07	-25.90	-	51.60	119.10	67.50

802.11ax_RU mode (HE 20 / 52T / RU offset 37)_MIMO Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 721.41	H	40.68	35.07	-25.87	-	49.88	114.01	64.12

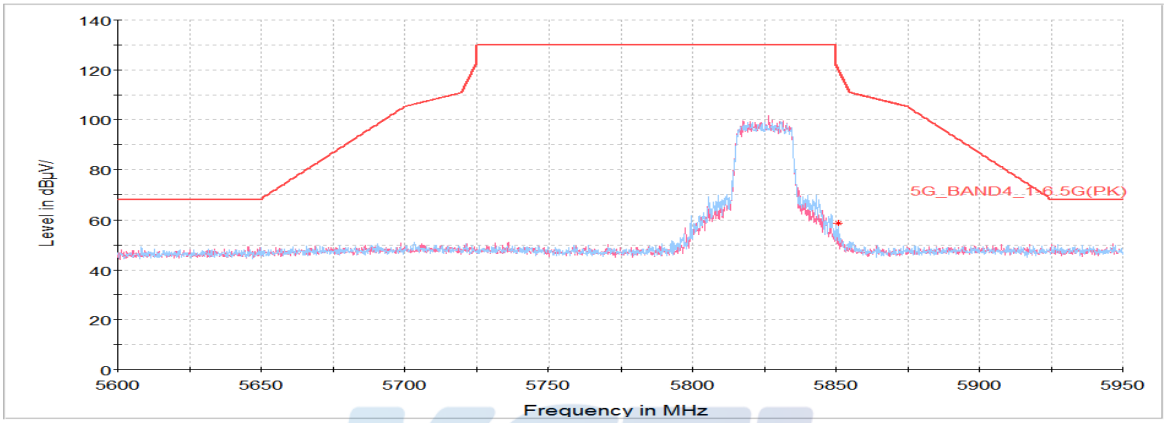
802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 719.69	H	41.60	35.06	-25.84	-	50.82	110.71	59.89

UNII-3 1Tx (MIMO) Bandedge (Highest Channel)

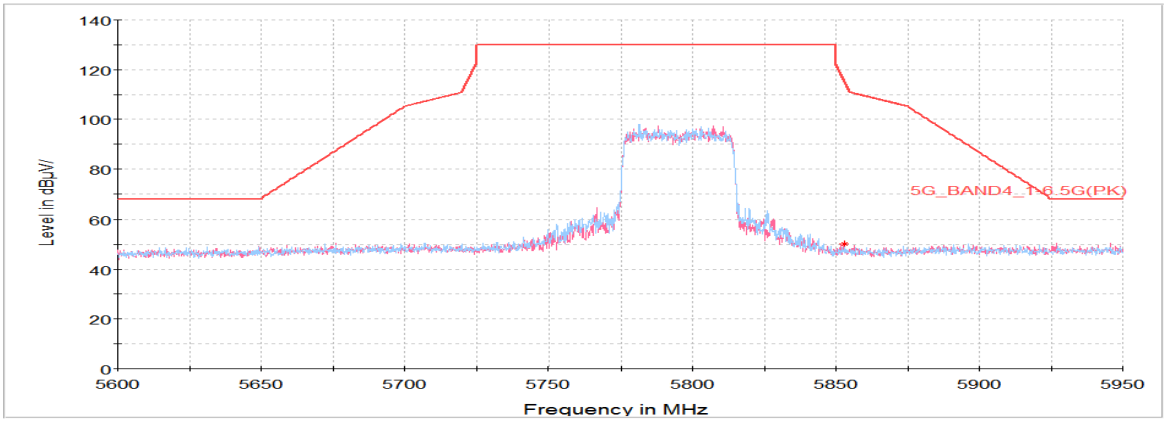
802.11ax_HE20 SU mode_MIMO Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 851.00	H	50.13	35.22	-26.67	-	58.68	119.92	61.24
Horizontal/Vertical for Band-edge								



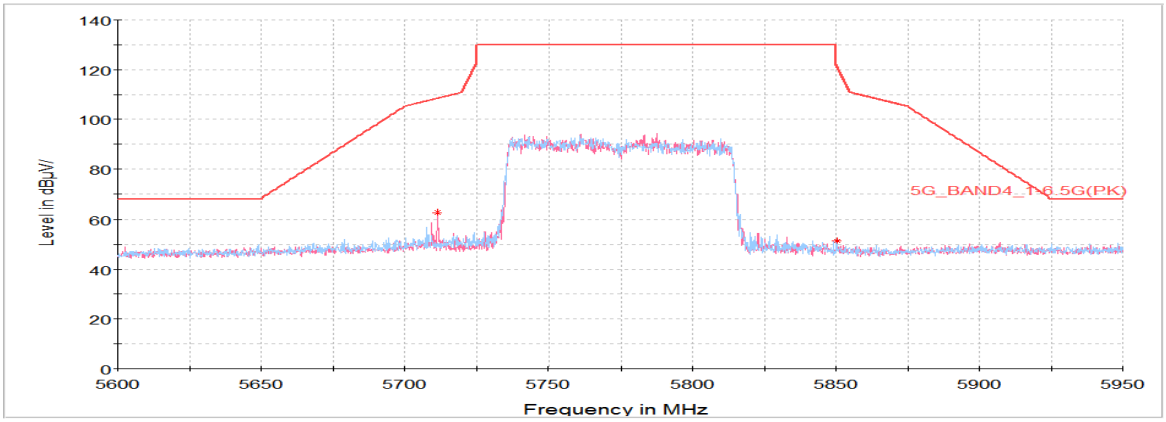
802.11ax_HE40 SU mode_MIMO Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 852.89	V	41.63	35.22	-26.66	-	50.19	115.61	65.42
Horizontal/Vertical for Band-edge								



802.11ax_HE80 SU mode_MIMO Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 850.31	H	42.92	35.22	-26.68	-	51.46	121.49	70.03
Horizontal/Vertical for Band-edge								



802.11ax_RU mode (HE 80 / 484T / RU offset 66)_MIMO Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.58	V	39.62	35.22	-26.66	-	48.18	114.04	65.86

802.11ax_RU mode (HE 80 / 242T / RU offset 64)_MIMO Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 850.66	H	40.67	35.22	-26.68	-	49.21	120.70	71.49

802.11ax_RU mode (HE 20 / 106T / RU offset 54)_MIMO Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 853.41	H	39.96	35.22	-26.66	-	48.52	114.43	65.91

802.11ax_RU mode (HE 20 / 52T / RU offset 40)_MIMO Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 850.66	H	41.06	35.22	-26.68	-	49.60	120.70	71.10

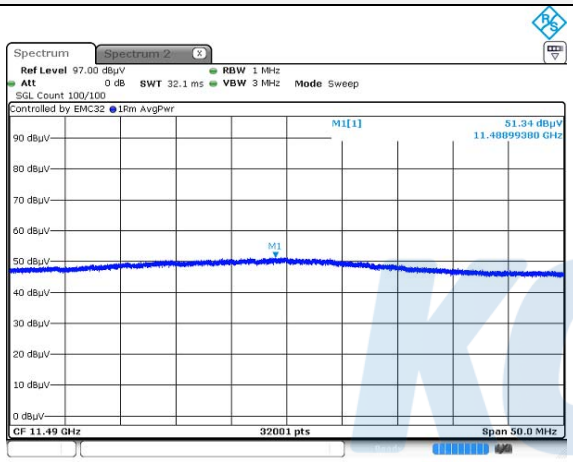
802.11ax_RU mode (HE 20 / 26T / RU offset 8)_MIMO Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
5 850.83	H	41.25	35.22	-26.68	-	49.79	120.31	70.53

UNII-2C 1Tx (MIMO) Harmonics and Spurious Emissions

802.11ax_HE20 SU mode_MIMO Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 488.99[1)]	V	62.90	37.99	-49.71	-	51.18	74.00	22.82
16 547.77	V	55.76	41.55	-45.31	-	52.00	68.20	16.20
Average Data								
11 488.99[1)]	V	51.34	37.99	-49.71	0.87	40.49	54.00	13.51

Average data	
	Blank

802.11ax_HE20 SU mode_MIMO Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 571.14[1)]	V	59.82	38.09	-49.79	-	48.12	74.00	25.88
16 570.77	V	56.47	41.57	-45.40	-	52.64	68.20	15.56
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE20 SU mode_MIMO Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 649.13[1)]	V	62.07	38.18	-49.92	-	50.33	74.00	23.67
16 558.19	H	56.85	41.56	-45.35	-	53.06	68.20	15.14
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 475.55[1)]	V	58.68	37.99	-49.77	-	46.90	74.00	27.10
16 542.02	V	56.23	41.54	-45.29	-	52.48	68.20	15.72
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE40 SU mode_MIMO Highest Channel (5 795 ㎒)

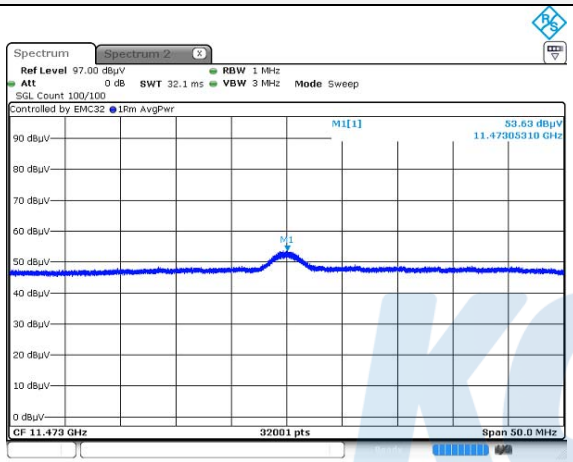
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 593.06[1)]	V	60.22	38.11	-49.82	-	48.51	74.00	25.49
16 565.73	H	56.30	41.57	-45.38	-	52.49	68.20	15.71
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_HE80 SU mode_MIMO Middle Channel (5 775 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 579.77[1)]	V	57.68	38.10	-49.80	-	45.98	74.00	28.02
16 573.28	V	56.89	41.57	-45.41	-	53.05		
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Lowest Channel (5 745 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 473.05[1)]	V	63.78	37.98	-49.78	-	51.98	74.00	22.02
16 554.23	H	55.65	41.55	-45.34	-	51.86	68.20	16.34
Average Data								
11 473.05[1)]	V	53.63	37.98	-49.78	0.11	41.94	54.00	12.06

Average data	
	Blank

802.11ax_RU mode (HE 20 / 26T / RU offset 4)_MIMO Middle Channel (5 785 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 570.78[1)]	V	61.29	38.08	-49.78	-	49.59	74.00	24.41
16 558.91	H	55.71	41.56	-45.35	-	51.92	68.20	16.28
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 20 / 26T / RU offset 4)_MIMO Highest Channel (5 825 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 650.92[1)]	V	59.19	38.18	-49.93	-	47.44	74.00	26.56
16 568.25	V	56.43	41.57	-45.39	-	52.61	68.20	15.59
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Lowest Channel (5 755 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 513.28[1)]	V	62.48	38.02	-49.68	-	50.82	74.00	23.18
16 535.55	V	56.34	41.54	-45.27	-	52.61	68.20	15.59
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 40 / 26T / RU offset 9)_MIMO Highest Channel (5 795 ㎒)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 592.70[1)]	V	61.60	38.11	-49.82	-	49.89	74.00	24.11
16 717.75	V	55.99	41.72	-45.94	-	51.77	68.20	16.43
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

802.11ax_RU mode (HE 80 / 26T / RU offset 0)_MIMO Middle Channel (5 775 ㎒)

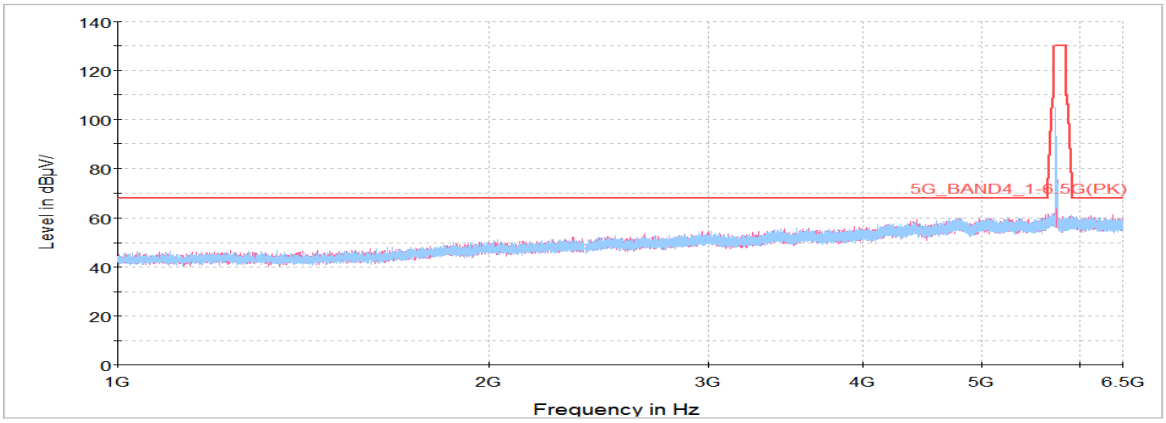
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
11 474.83[1)]	V	62.50	37.98	-49.77	-	50.71	74.00	23.29
16 561.06	V	56.24	41.56	-45.36	-	52.44	68.20	15.76
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit								

Plot of Harmonics and Spurious Emissions

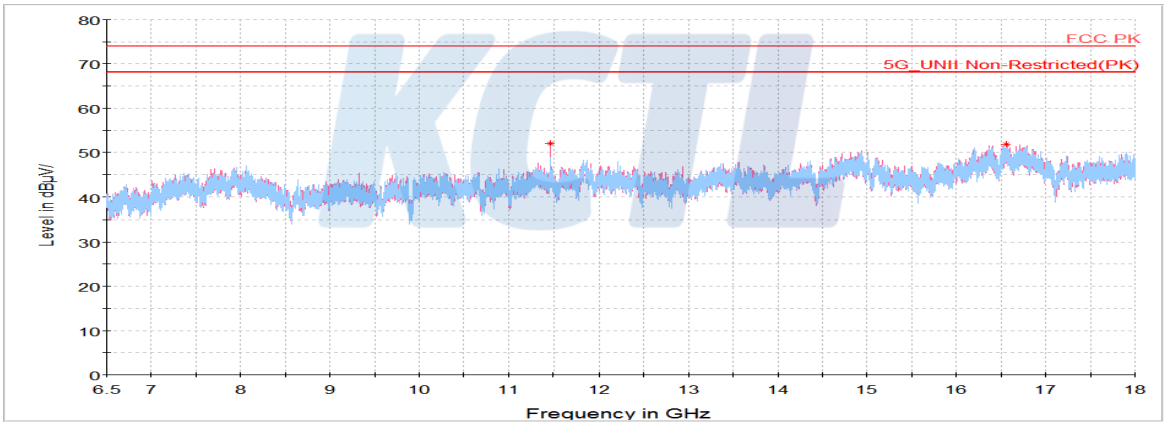
In order to simplify the report, attached plots were only the lowest margin condition

UNII-3_802.11ax_RU mode (HE 20 / 26T / RU offset 0)_MIMO Lowest Channel (5 745 ㎒)

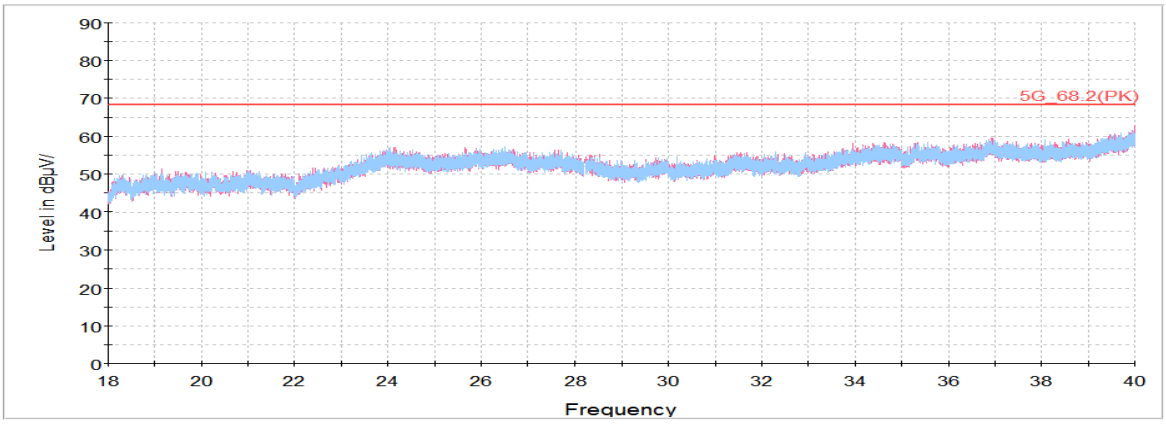
Horizontal/Vertical for 1 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



Spurious Emission for Simultaneous Tx Condition

Case 1	Antenna 2 2.4 GHz WLAN	Antenna 1 5 GHz WLAN
Mode	ac20	n20
Channel	11	140
Frequency	2 462	5 700
Data Rate	MCS0	MCS0

Case 2	Antenna 1 2.4 GHz WLAN	Antenna 2 5 GHz WLAN
Mode	n20	n40
Channel	11	62
Frequency	2 462	5 310
Data Rate	MCS0	MCS0

Case 3	Antenna 1 2.4 GHz WLAN	Antenna ALL 5 GHz WLAN
Mode	n20	ac40
Channel	11	62
Frequency	2 462	5 310
Data Rate	MCS0	MCS0

Case 4	Antenna ALL 2.4 GHz WLAN	Antenna 2 5 GHz WLAN
Mode	g	n40
Channel	11	62
Frequency	2 462	5 310
Data Rate	6M	MCS0

Case 5	Antenna ALL 2.4 GHz WLAN	Antenna ALL 5 GHz WLAN
Mode	g	ac40
Channel	11	62
Frequency	2 462	5 310
Data Rate	6M	MCS0

Case 6	Antenna 1 Bluetooth	Antenna ALL 5 GHz WLAN
Mode	BDR	ac40
Channel	39	62
Frequency	2 441	5 310
Data Rate	DH1	MCS0

Case 7	Antenna 2 2.4 GHz WLAN	Antenna 1 5 GHz WLAN
Mode	ax20	ax40
Channel	11	62
Frequency	2462	5310
Data Rate	HE20	HE40
T.O	52T offset40	SU

Case 8	Antenna 1 2.4 GHz WLAN	Antenna 2 5 GHz WLAN
Mode	ax20	ax40
Channel	11	62
Frequency	2462	5310
Data Rate	HE20	HE40
T.O	SU	SU

Case 9	Antenna 1 2.4 GHz WLAN	Antenna ALL 5 GHz WLAN
Mode	ax20	ax40
Channel	11	62
Frequency	2462	5310
Data Rate	HE20	HE40
T.O	SU	SU

Case 10	Antenna ALL 2.4 GHz WLAN	Antenna 2 5 GHz WLAN
Mode	ax20	ax40
Channel	11	62
Frequency	2462	5310
Data Rate	HE20	HE40
T.O	52T offset40	SU

Case 11	Antenna ALL 2.4 GHz WLAN	Antenna ALL 5 GHz WLAN
Mode	ax20	ax40
Channel	11	62
Frequency	2462	5310
Data Rate	HE20	HE40
T.O	52T offset40	SU

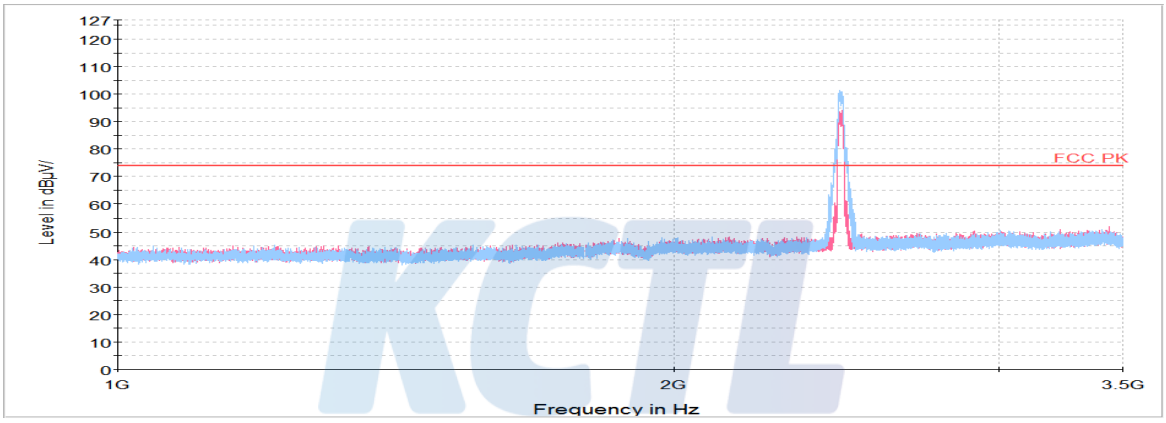
Case 12	Antenna 1 Bluetooth	Antenna ALL 5 GHz WLAN
Mode	BDR	ax40
Channel	39	62
Frequency	2441	5310
Data Rate	DH1	HE40
T.O	-	SU

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

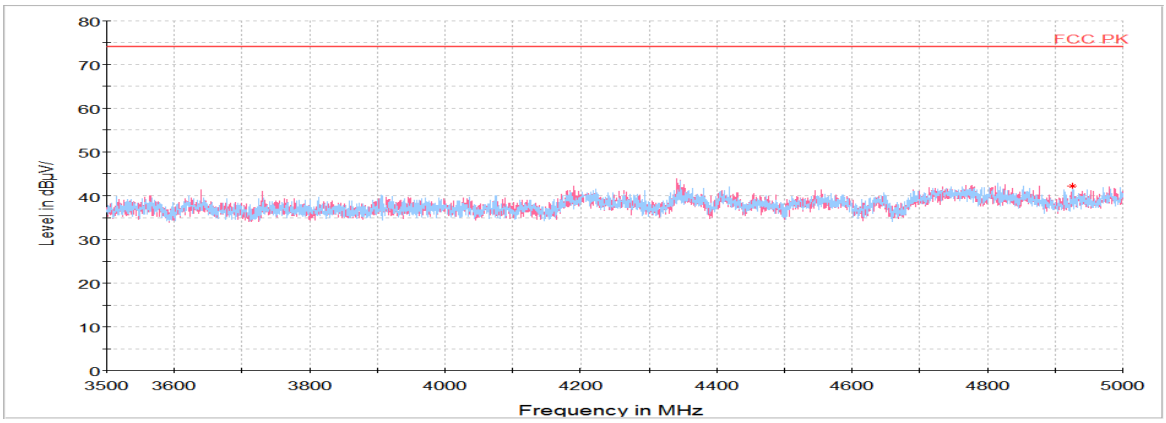
Case 1

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 926.44[1)]	H	63.36	33.97	-55.26	-	42.07	74.00	31.93
7 386.94[1)]	H	62.24	35.40	-52.19	-	45.45	74.00	28.55
11 390.73[1)]	V	59.44	37.93	-50.15	-	47.22	74.00	26.78
17 174.52	V	55.33	41.23	-47.63	-	48.93	68.20	19.27
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

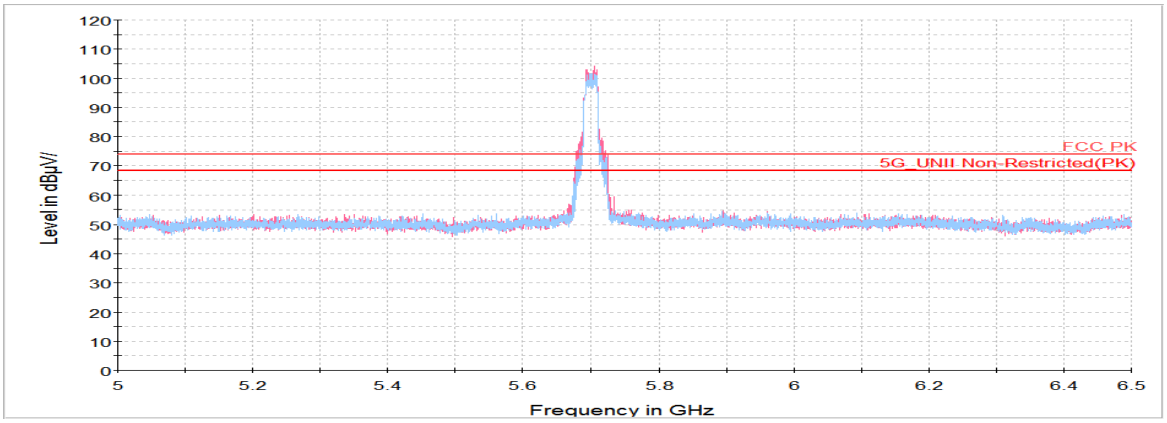
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



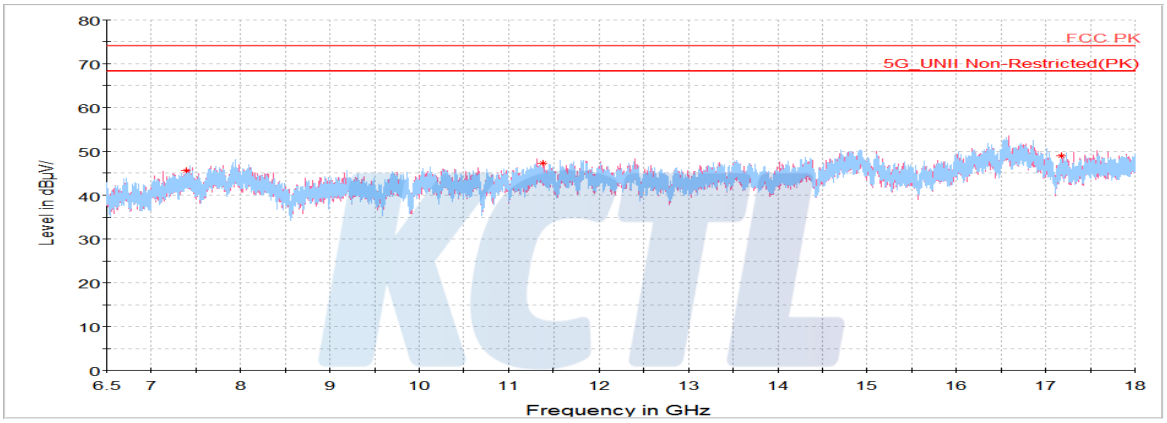
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



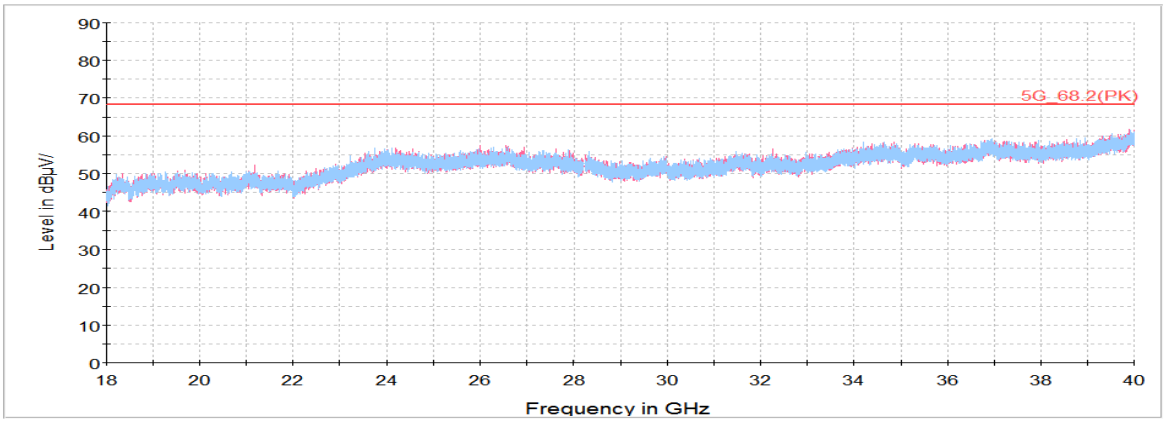
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



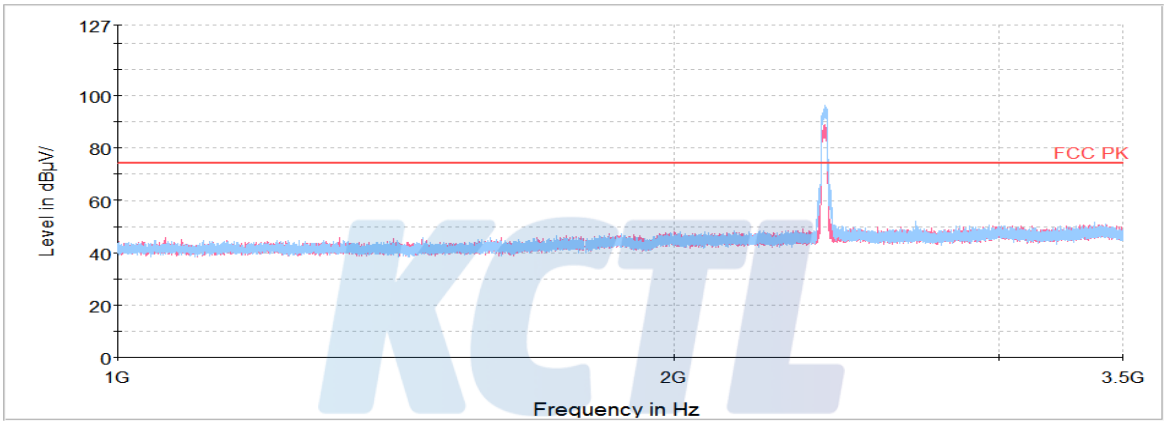
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



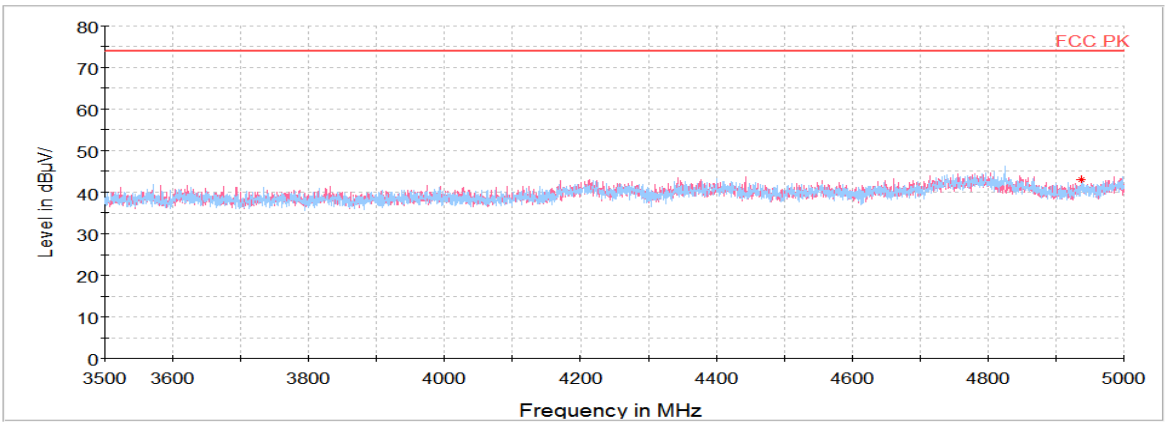
Case 2

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 937.31[1)]	H	64.02	33.97	-55.07	-	42.92	74.00	31.08
7 389.81[1)]	H	62.04	35.40	-52.18	-	45.26	74.00	28.74
10 622.39[1)]	H	59.86	37.47	-51.72	-	45.61	74.00	28.39
15 983.55[1)]	V	55.89	40.10	-48.30	-	47.69	74.00	26.31
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

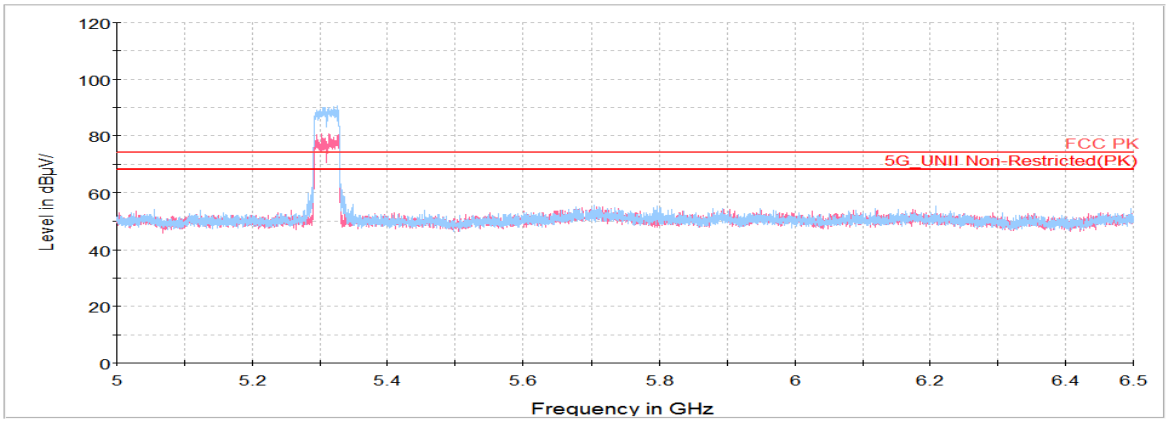
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



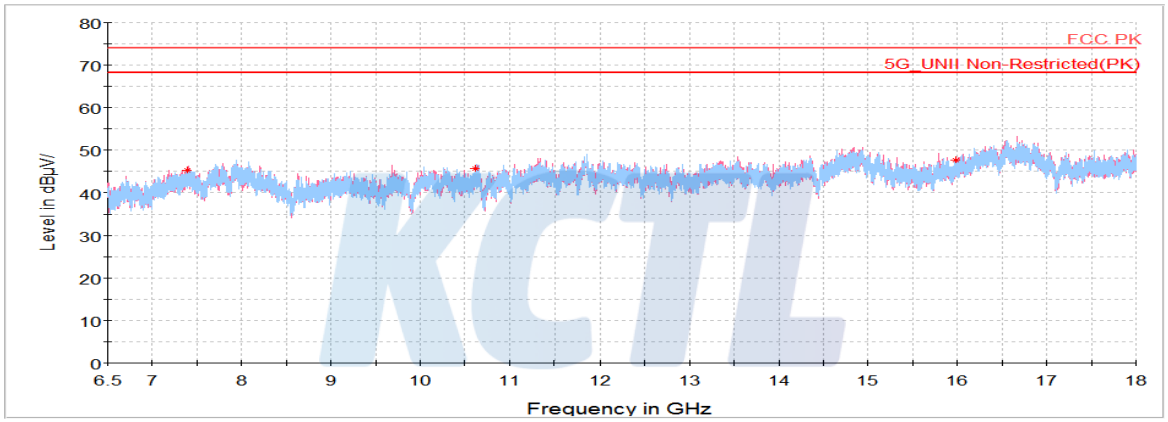
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



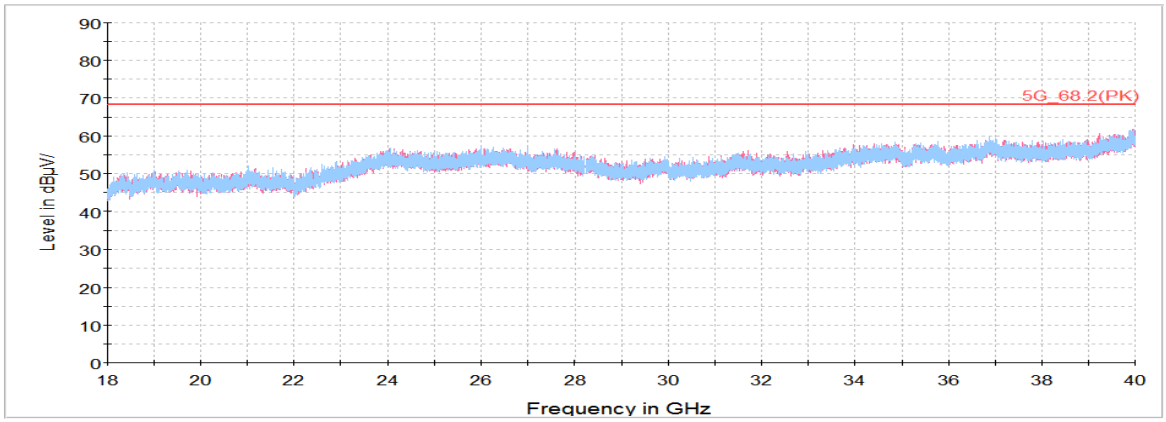
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



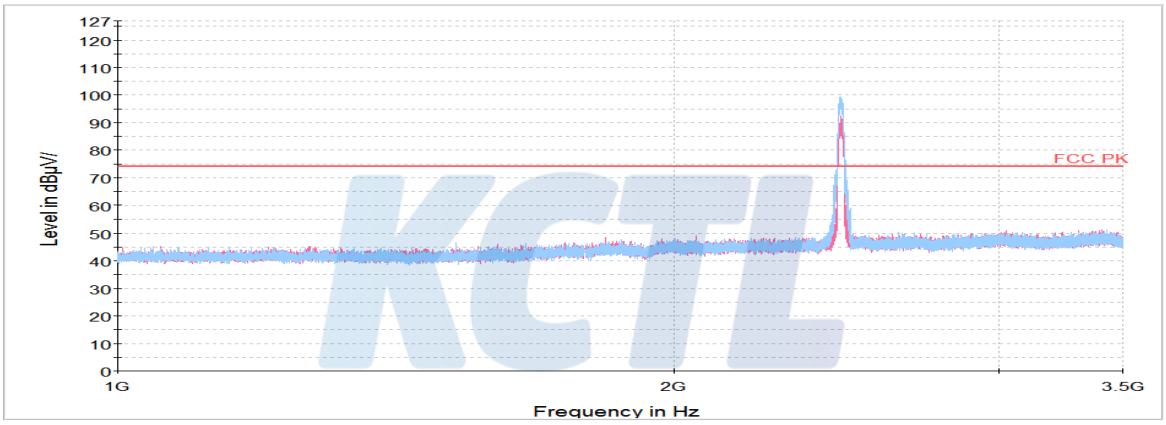
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



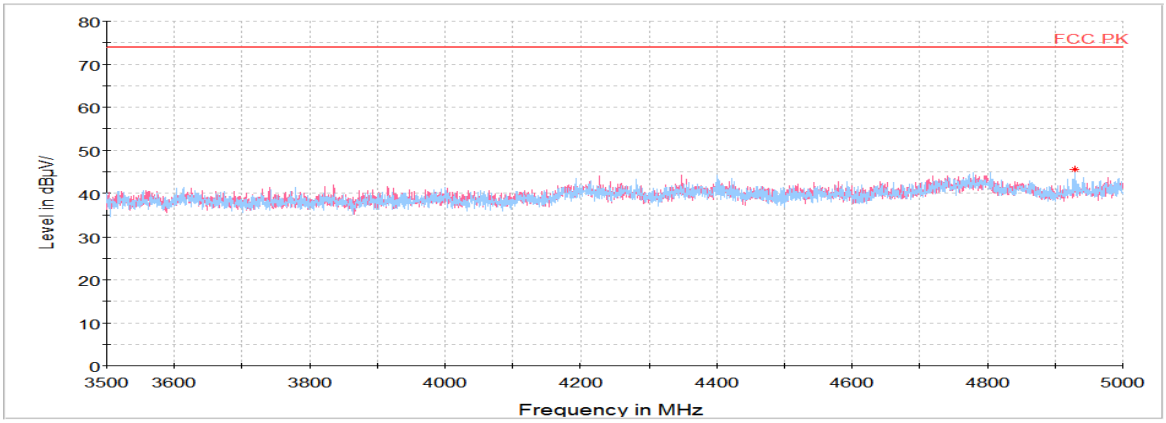
Case 3

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 929.61[1)]	H	66.82	33.97	-55.21	-	45.58	74.00	28.42
5 699.75	H	69.32	35.04	-44.16	-	60.20	68.20	8.00
7 370.41[1)]	V	62.32	35.40	-52.25	-	45.47	74.00	28.53
10 632.09[1)]	H	59.74	37.48	-51.73	-	45.49	74.00	28.51
15 903.05[1)]	V	56.09	40.08	-48.51	-	47.66	74.00	26.34
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

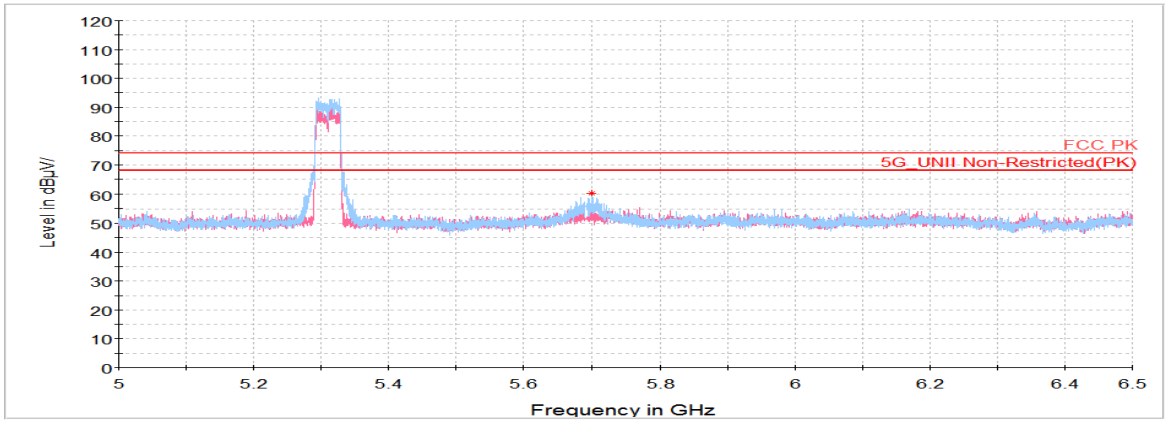
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



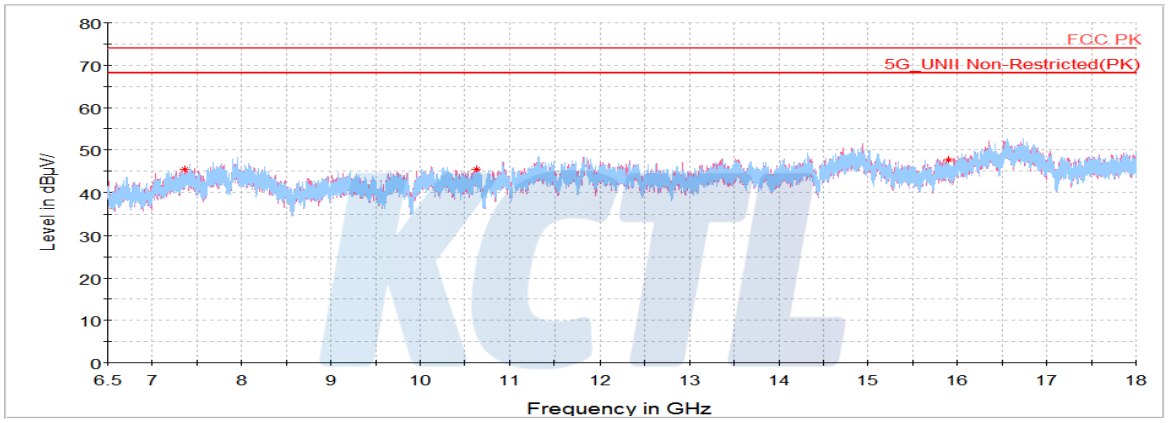
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



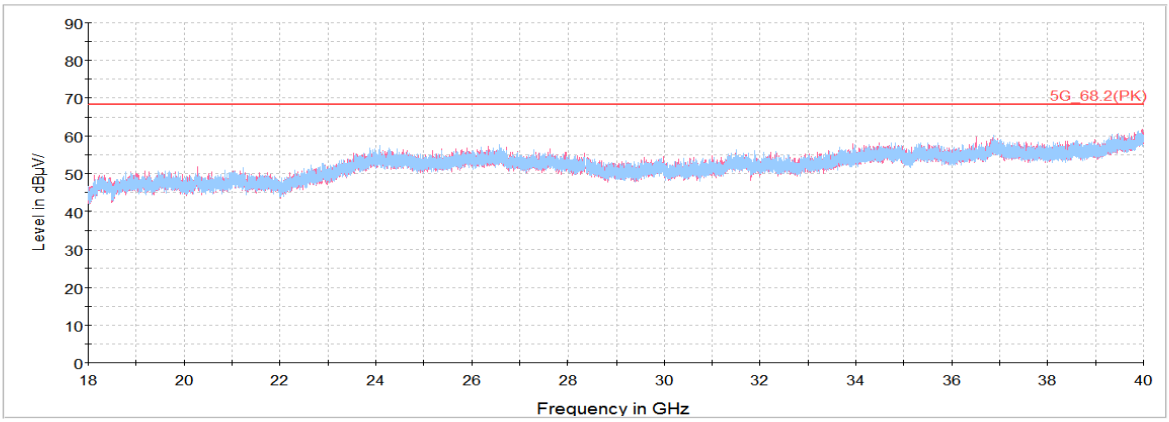
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



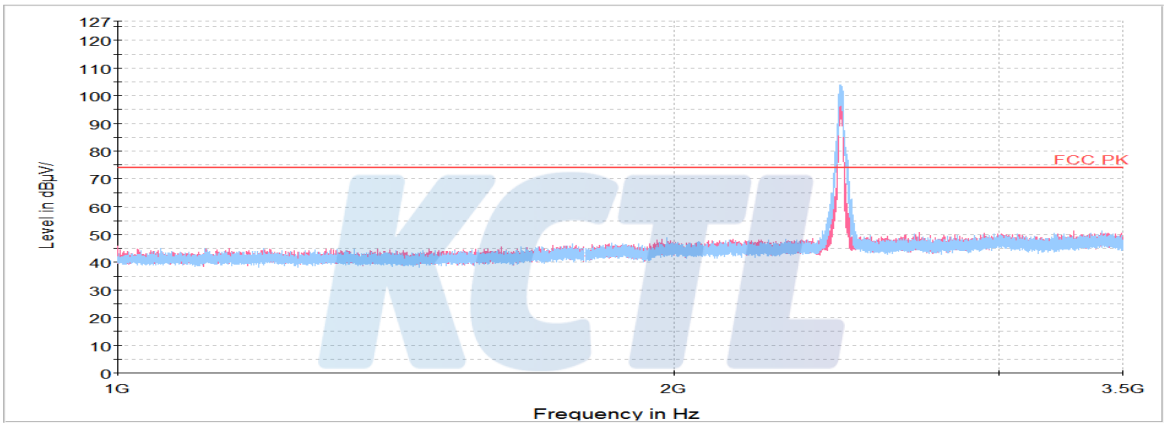
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



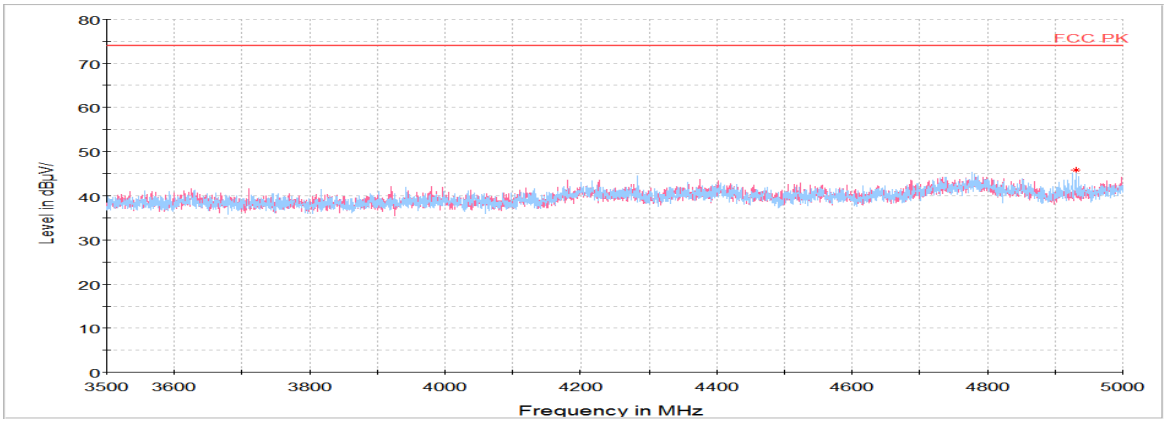
Case 4

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 930.52[1)]	H	66.95	33.97	-55.19	-	45.73	74.00	28.27
5 668.13	H	68.14	35.00	-44.71	-	58.43	68.20	9.77
7 388.38[1)]	V	62.93	35.40	-52.18	-	46.15	74.00	27.85
10 651.50[1)]	H	60.35	37.49	-51.74	-	46.10	74.00	27.90
15 923.53[1)]	H	56.42	40.08	-48.45	-	48.05	74.00	25.95
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

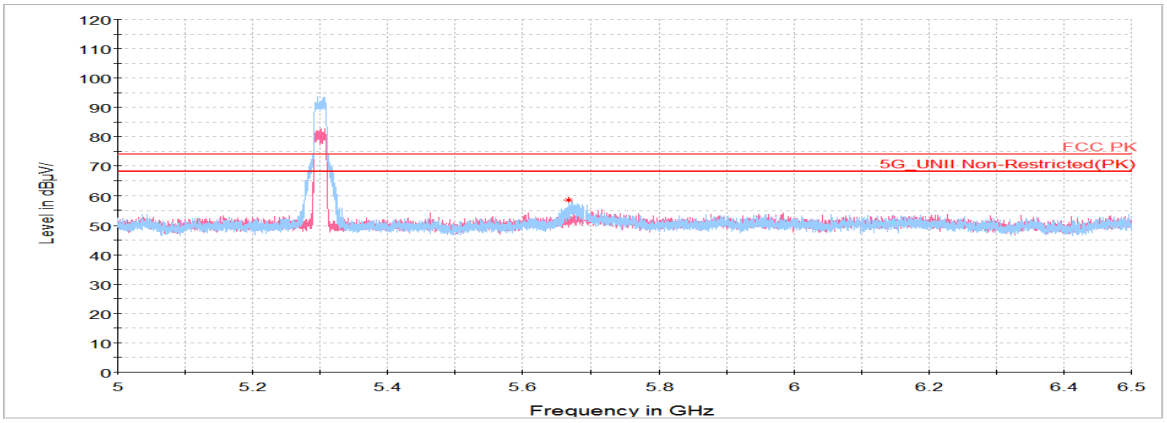
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



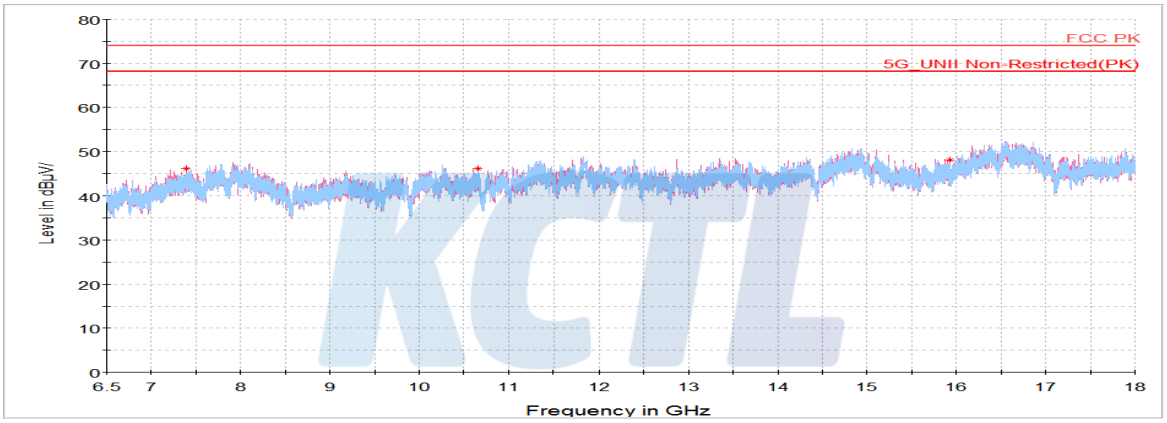
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



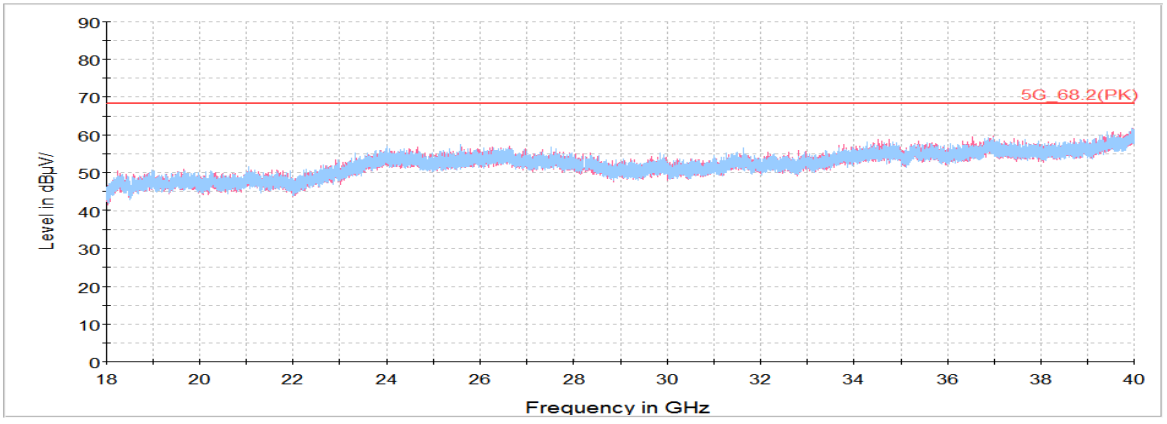
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



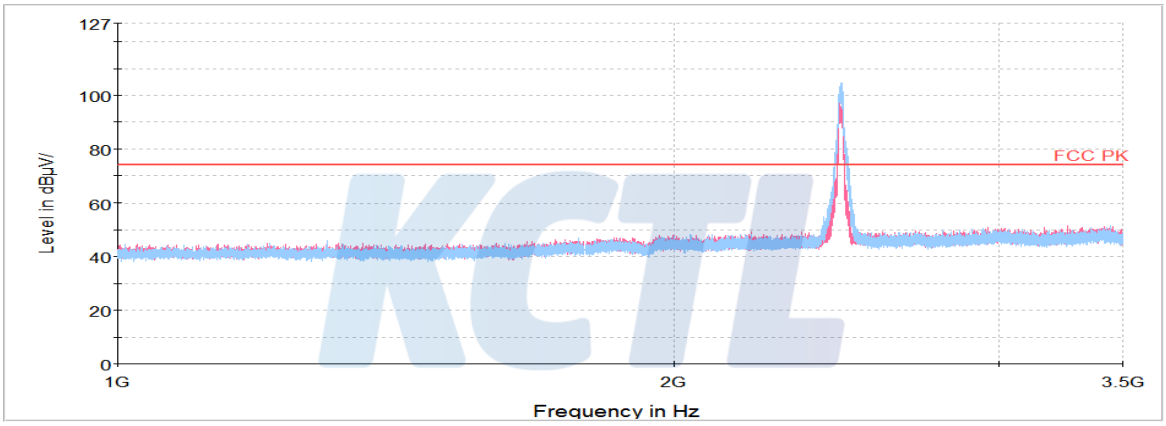
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



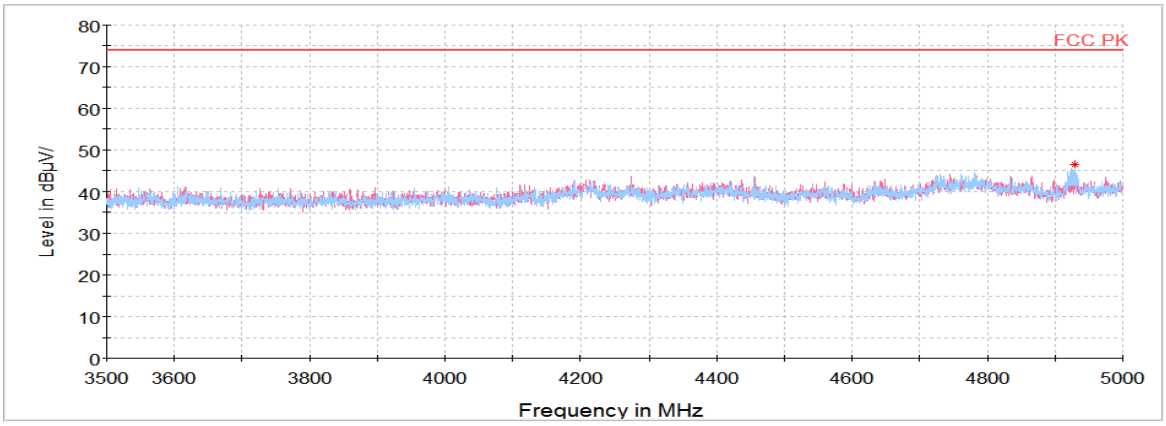
Case 5

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 928.70[1)]	H	67.77	33.97	-55.22	-	46.52	74.00	27.48
5 708.52	H	67.87	35.05	-44.31	-	58.61	68.20	9.59
7 371.48[1)]	H	61.85	35.40	-52.25	-	45.00	74.00	29.00
10 625.27[1)]	V	59.13	37.48	-51.72	-	44.89	74.00	29.11
15 931.80[1)]	H	55.70	40.09	-48.43	-	47.36	74.00	26.64
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

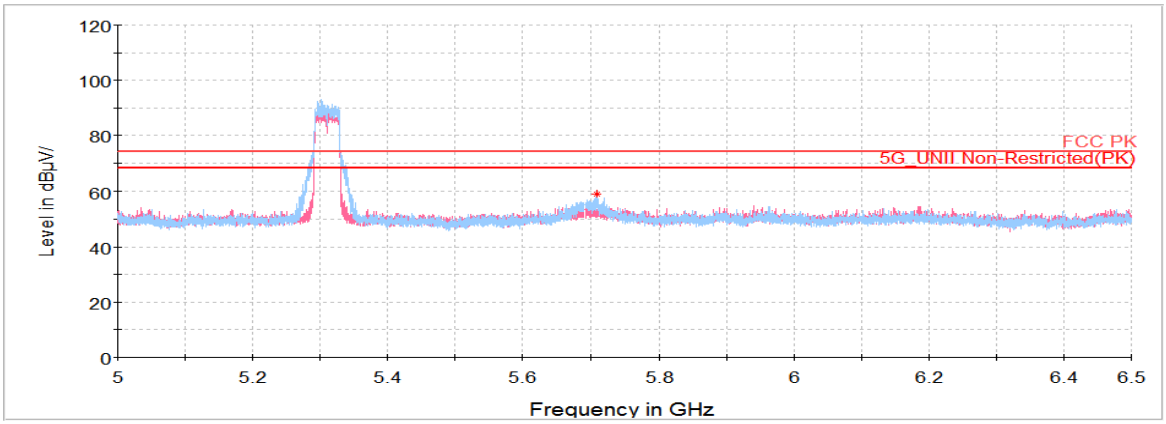
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



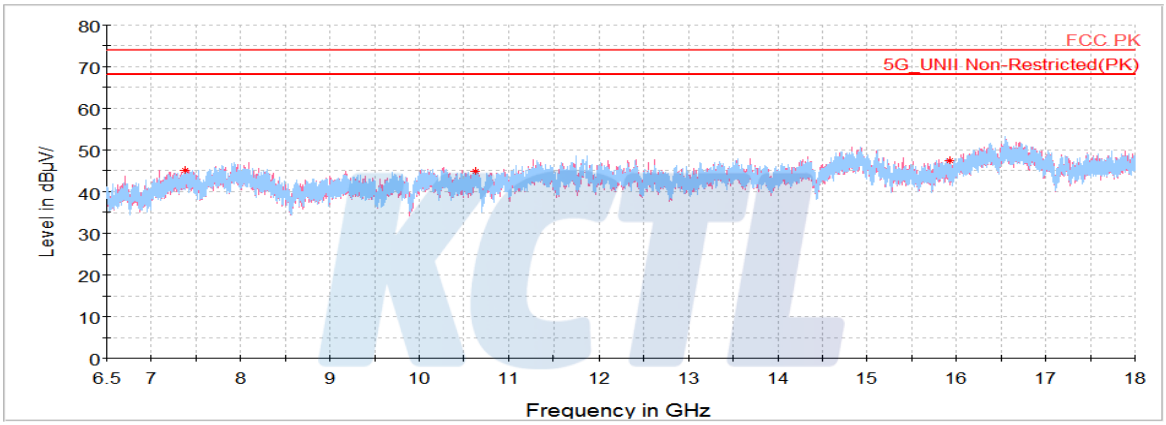
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



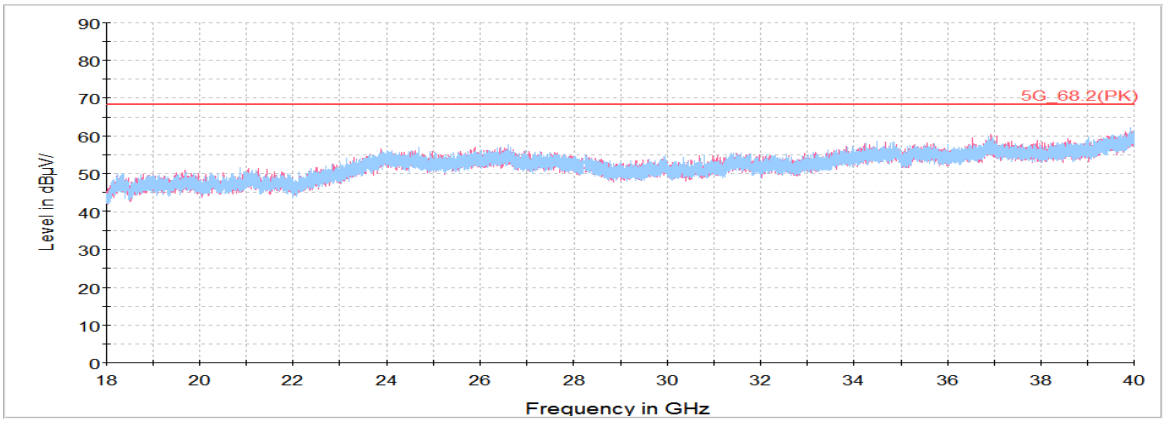
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



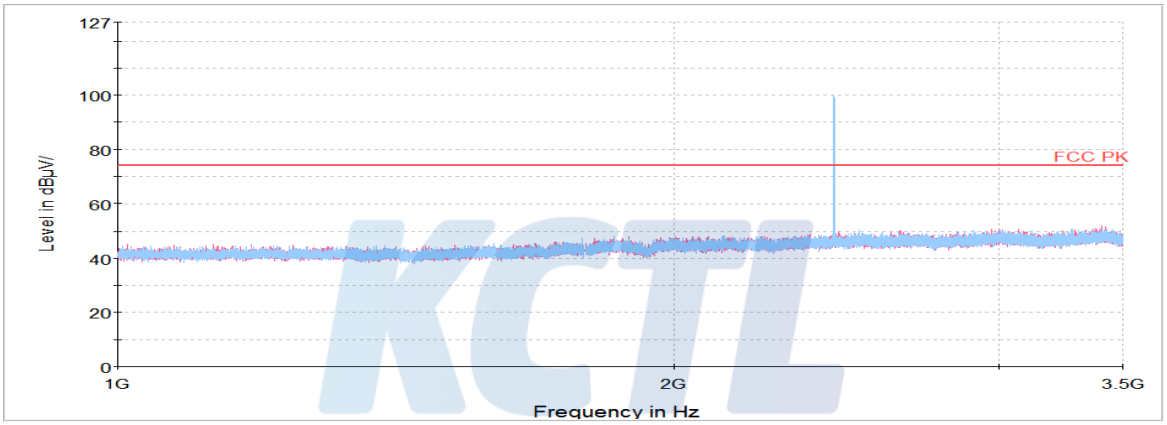
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



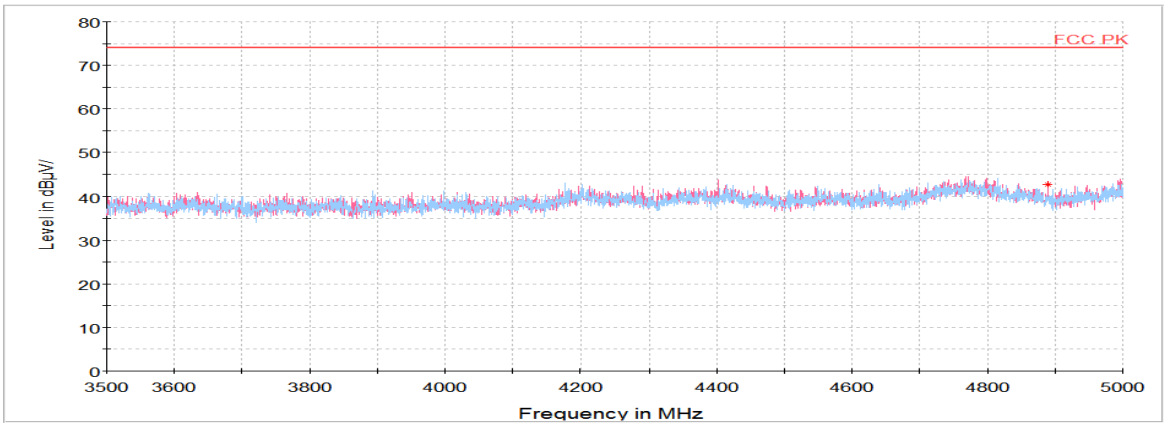
Case 6

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 889.28[1)]	V	64.05	33.96	-55.43	-	42.58	74.00	31.42
5 731.38	H	67.73	35.08	-44.71	-	58.10	68.20	10.10
10 624.91[1)]	V	63.53	37.47	-51.72	-	49.28	74.00	24.72
15 912.03[1)]	H	55.22	40.08	-48.48	-	46.82	74.00	27.18
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

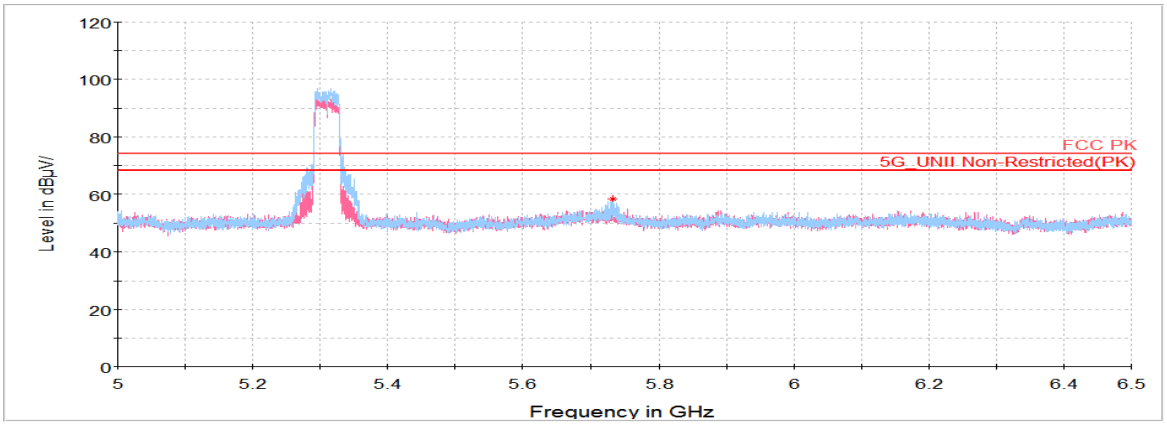
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



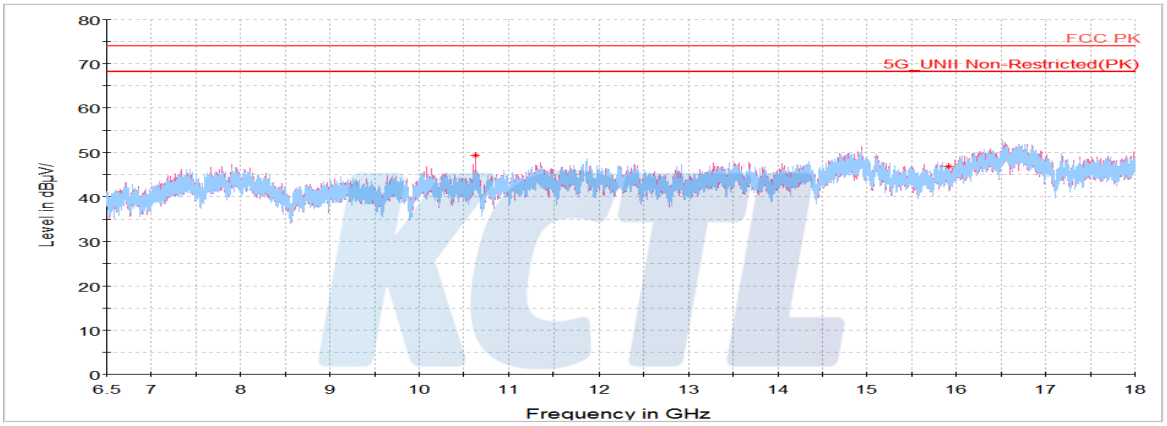
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



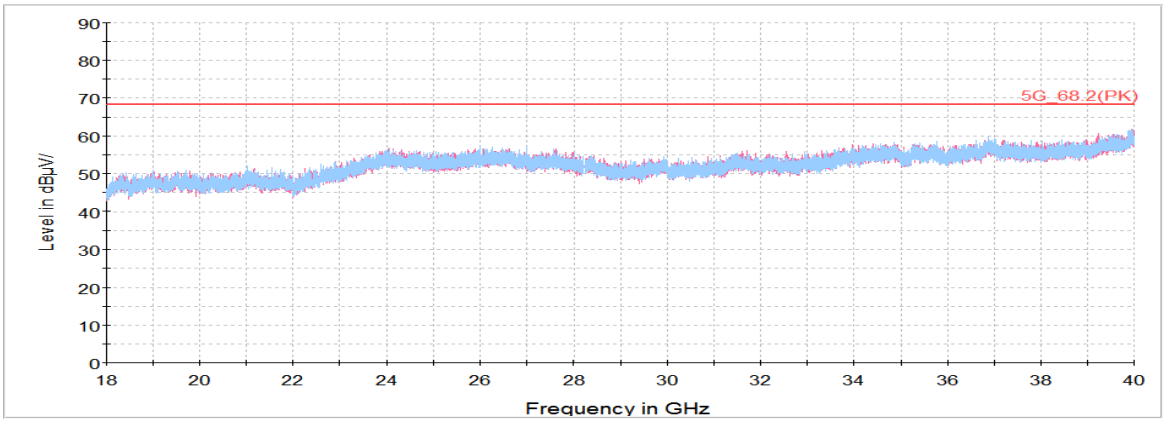
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓

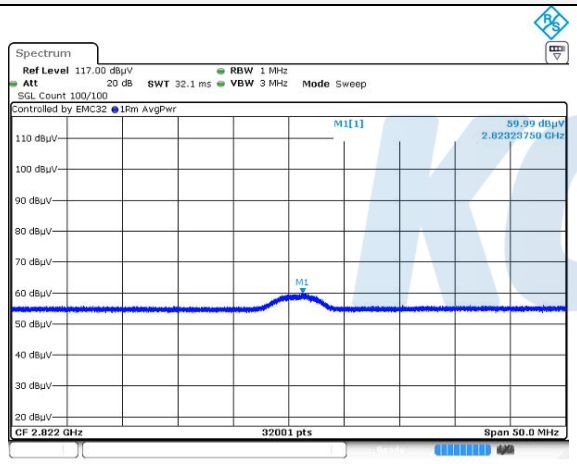


Horizontal/Vertical for 18 ㎓ ~ 40 ㎓

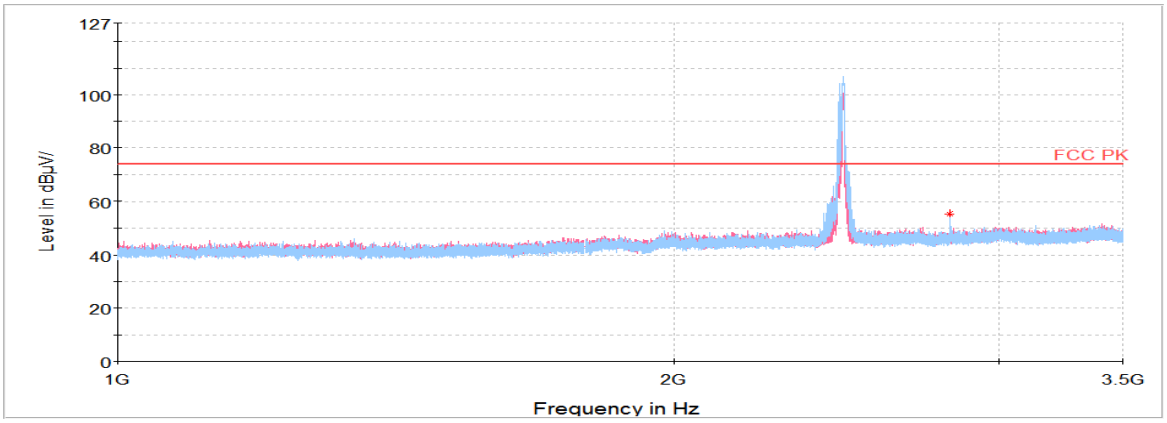


Case 7

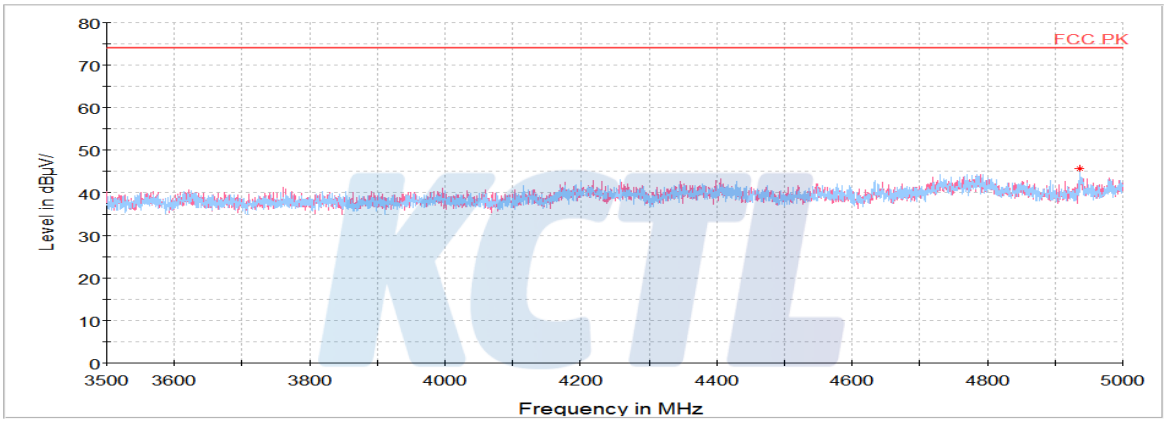
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
2 823.24[1)]	H	71.80	32.36	-48.61	-	55.55	74.00	18.45
4 936.86[1)]	H	66.76	33.97	-55.08	-	45.65	74.00	28.35
5 689.09	H	71.18	35.03	-44.34	-	61.87	68.20	6.33
7 390.17[1)]	H	62.17	35.40	-52.18	-	45.39	74.00	28.61
10 583.58	V	61.21	37.45	-51.70	-	46.96	68.20	21.24
15 986.06[1)]	H	56.16	40.10	-48.29	-	47.97	74.00	26.03
Average Data								
2 823.24[1)]	H	59.99	32.36	-48.61	0.20	43.94	54.00	10.06

Average data	
	Blank

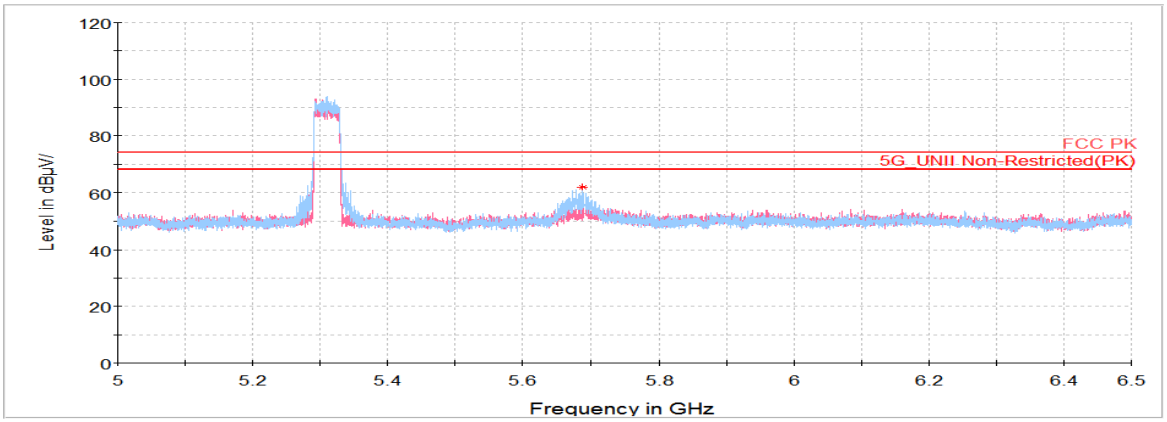
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



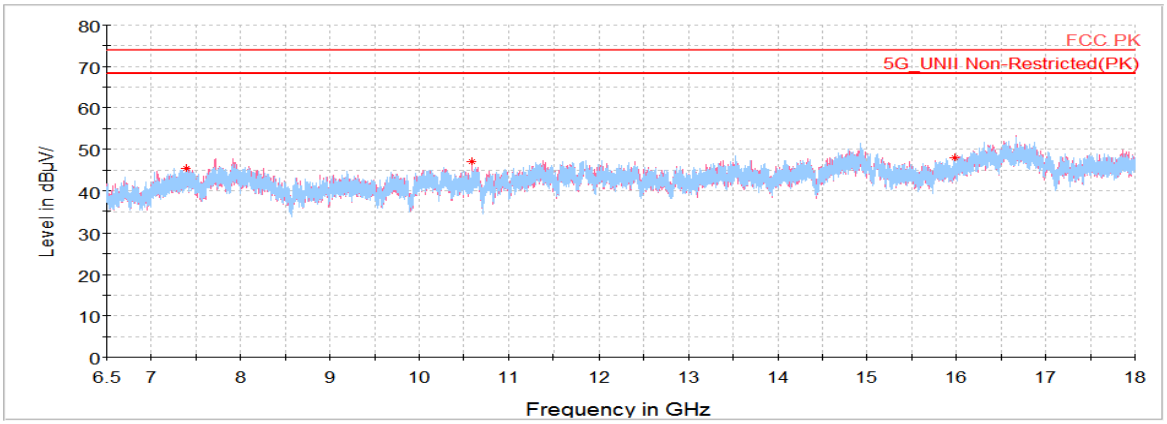
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



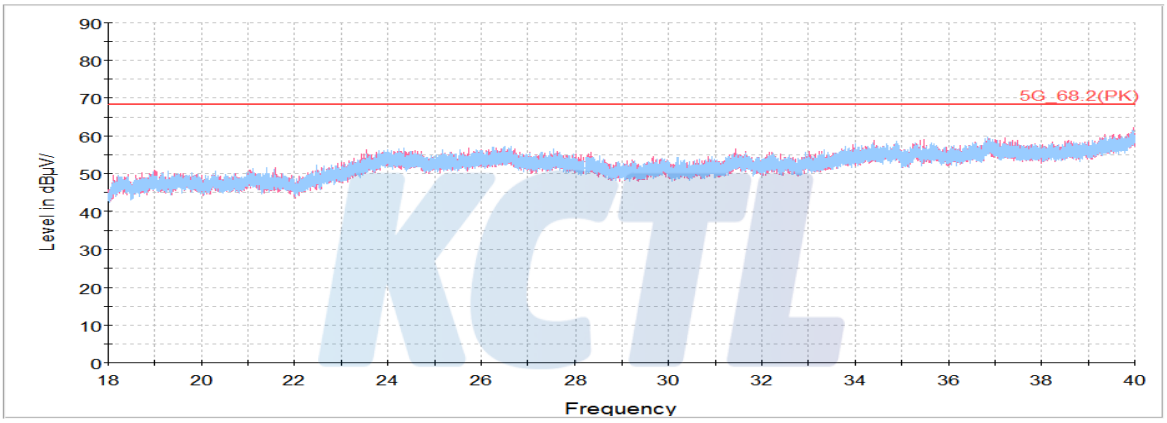
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



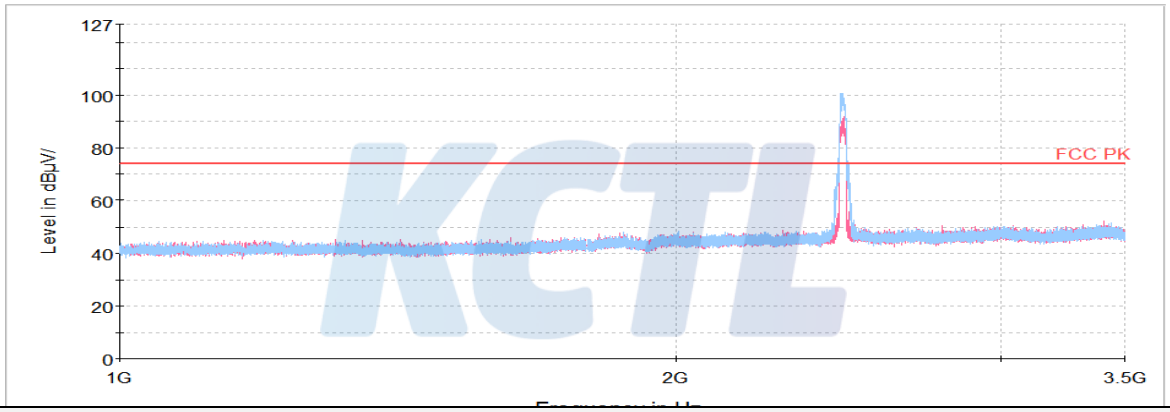
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



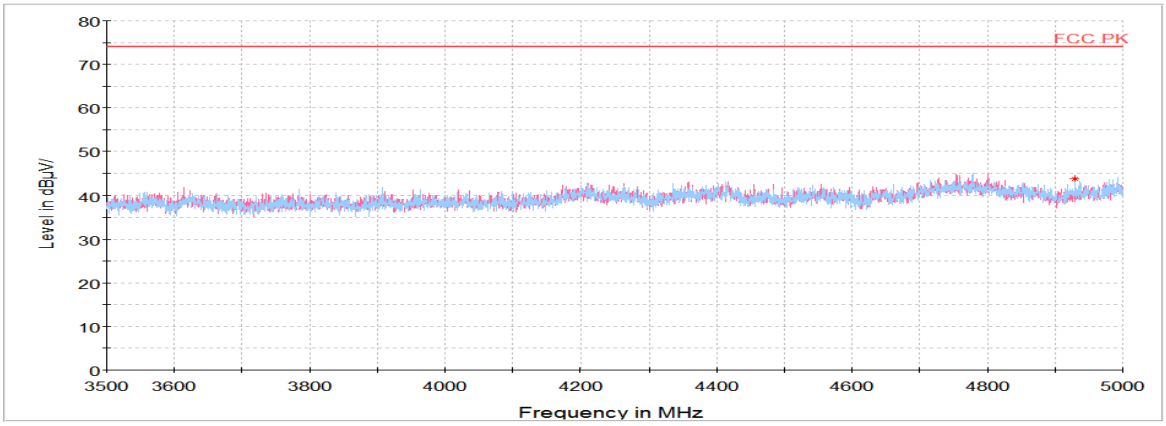
Case 8

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 929.16[1)]	H	64.89	33.97	-55.21	-	43.65	74.00	30.35
5 696.31	H	68.89	35.04	-44.22	-	59.71	68.20	8.49
7 379.03[1)]	H	62.97	35.40	-52.22	-	46.15	74.00	27.85
10 638.20[1)]	V	59.82	37.48	-51.73	-	45.57	74.00	28.43
15 939.70[1)]	V	55.89	40.09	-48.41	-	47.57	74.00	26.43
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

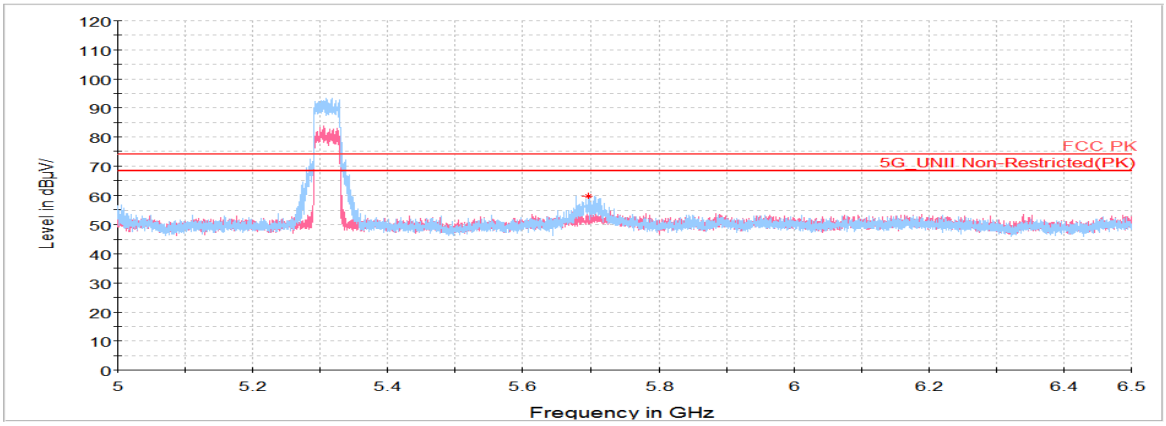
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



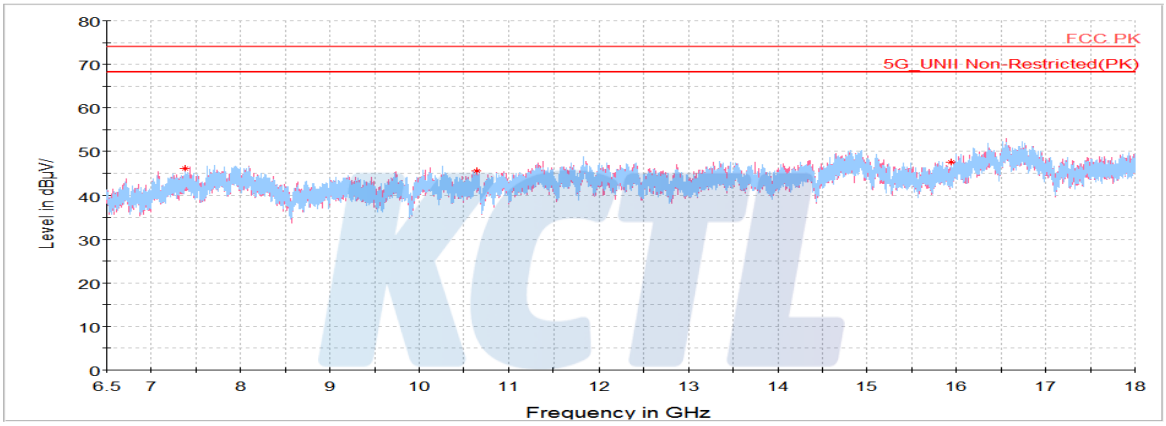
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



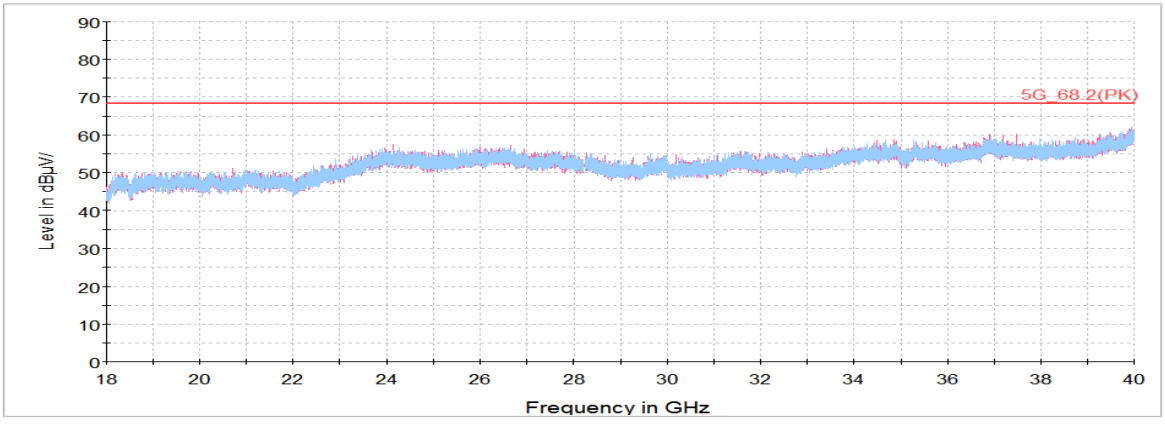
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



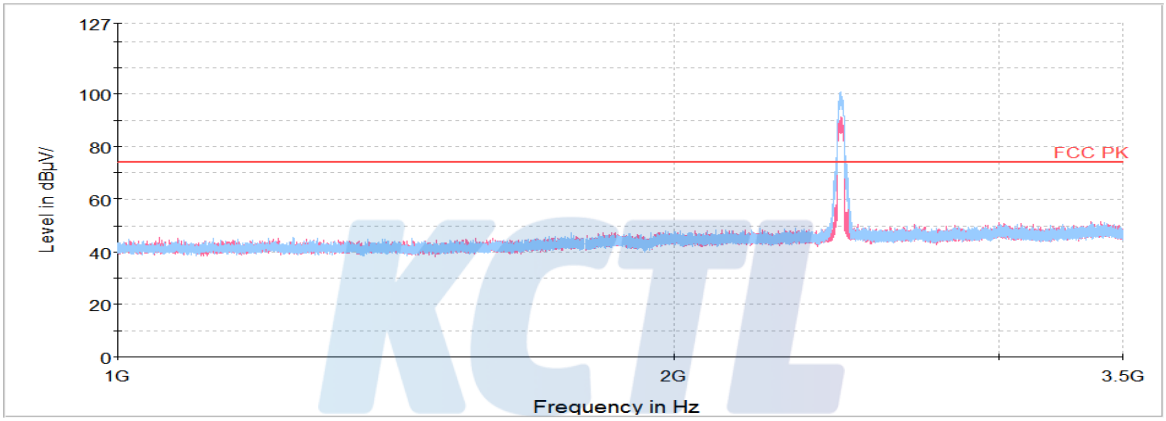
Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



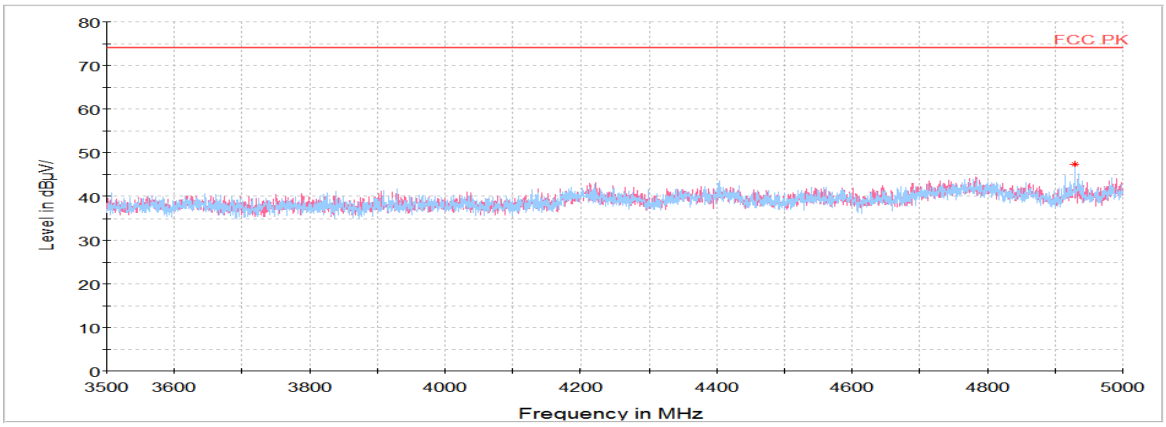
Case 9

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
4 929.16[1)]	H	68.45	33.97	-55.21	-	47.21	74.00	26.79
5 692.02	H	71.11	35.03	-44.29	-	61.85	68.20	6.35
10 631.38[1)]	V	59.38	37.48	-51.73	-	45.13	74.00	28.87
15 969.89[1)]	H	55.31	40.09	-48.33	-	47.07	74.00	26.93
Average Data								
No spurious emissions were detected within 20 ㏈ of the limit.								

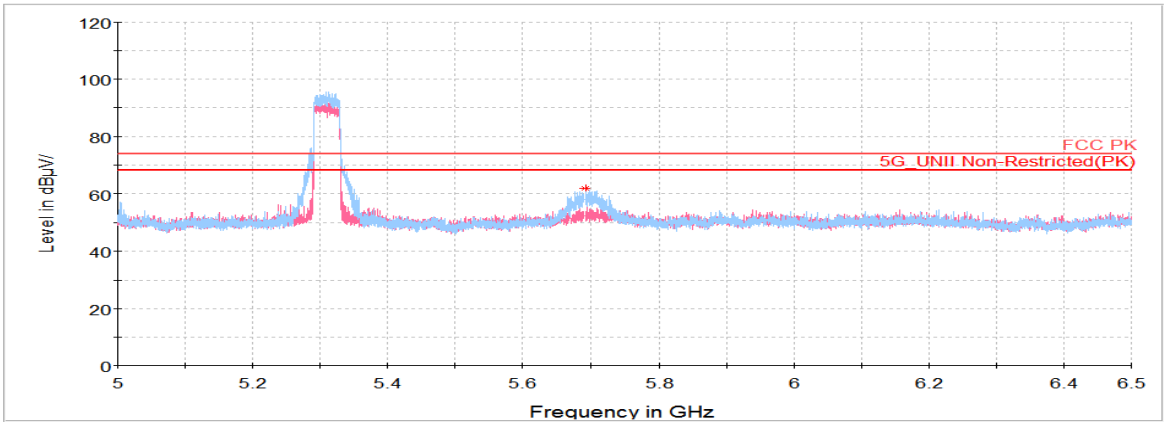
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



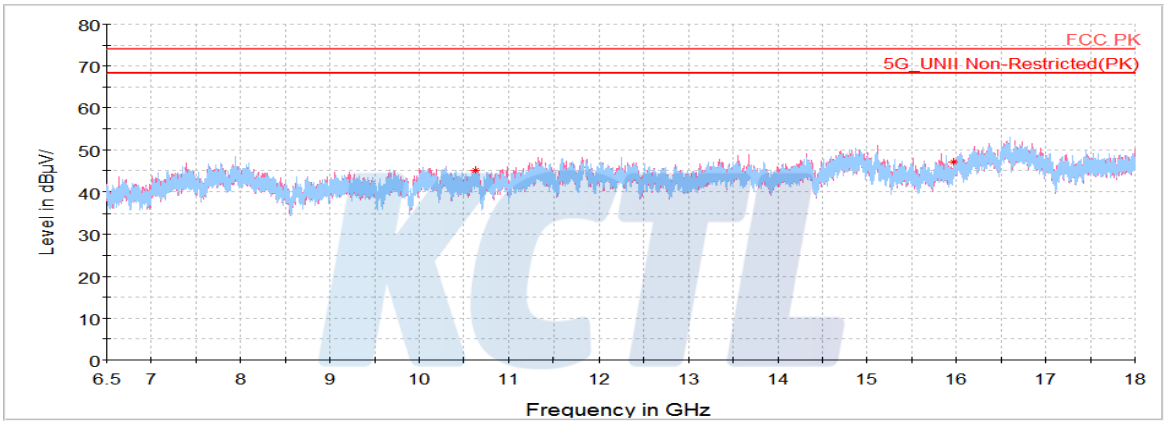
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



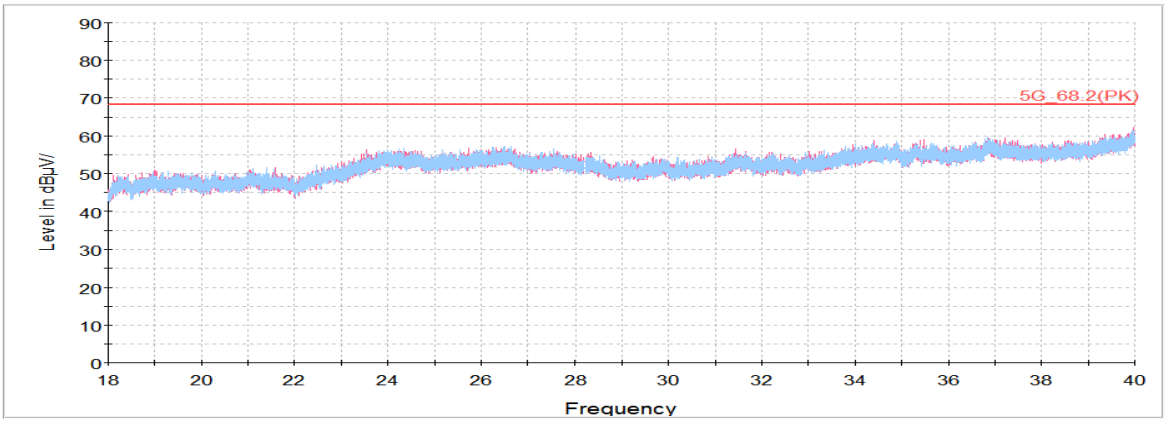
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓

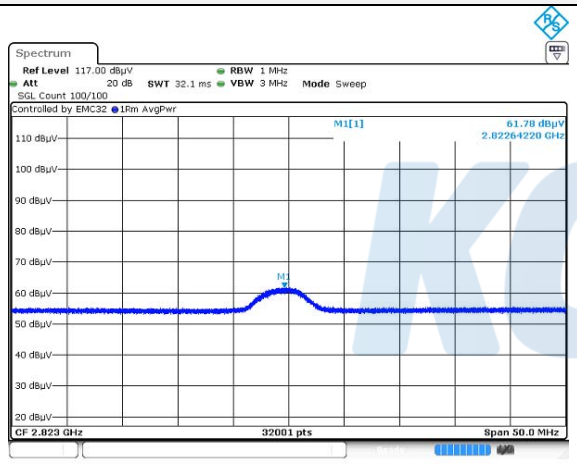
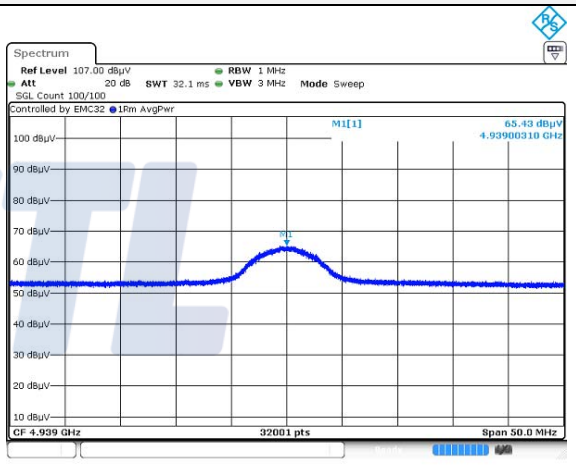


Horizontal/Vertical for 18 ㎓ ~ 40 ㎓

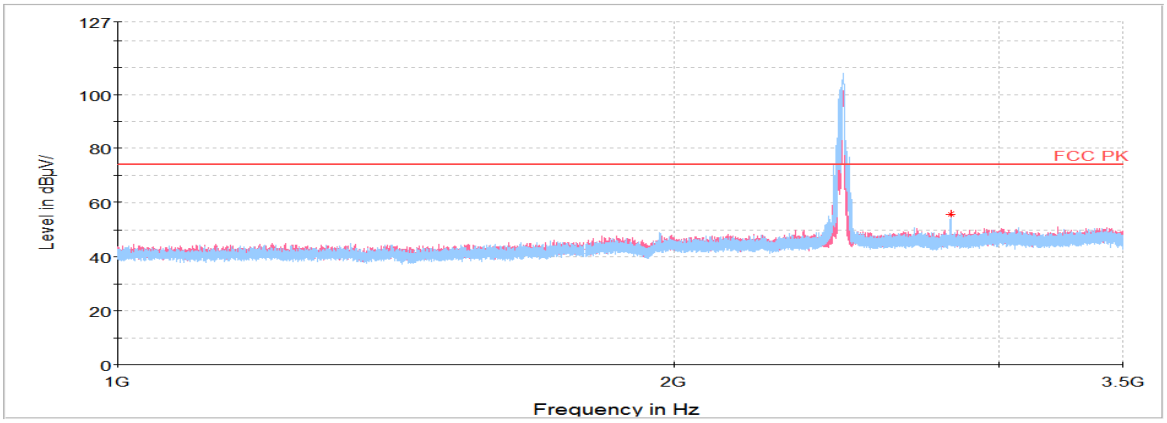


Case 10

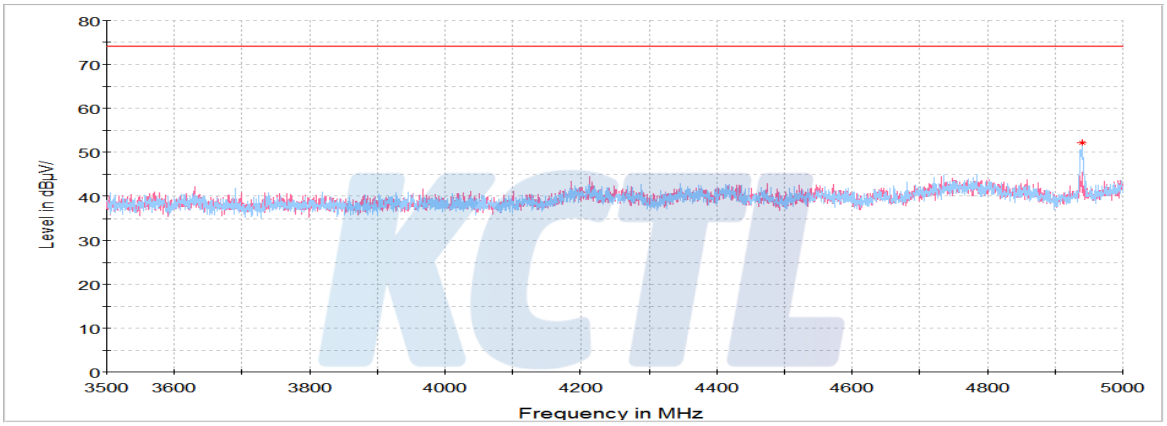
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(㎒)	(V/H)	(dB(㎶))	(dB)	(dB)	(dB)	(dB(㎶/m))	(dB(㎶/m))	(dB)
Peak data								
2 822.64[1)]	H	72.16	32.36	-48.61	-	55.91	74.00	18.09
4 939.00[1)]	H	73.20	33.98	-55.04	-	52.14	74.00	21.86
10 609.45[1)]	V	60.23	37.47	-51.72	-	45.98	74.00	28.02
15 939.70[1)]	V	55.15	40.09	-48.41	-	46.83	74.00	27.17
Average Data								
2 822.64[1)]	H	61.78	32.36	-48.61	0.21	45.74	54.00	8.26
4 939.00[1)]	H	65.43	33.98	-55.04	0.21	44.58	54.00	9.42

Average data	Average data
	

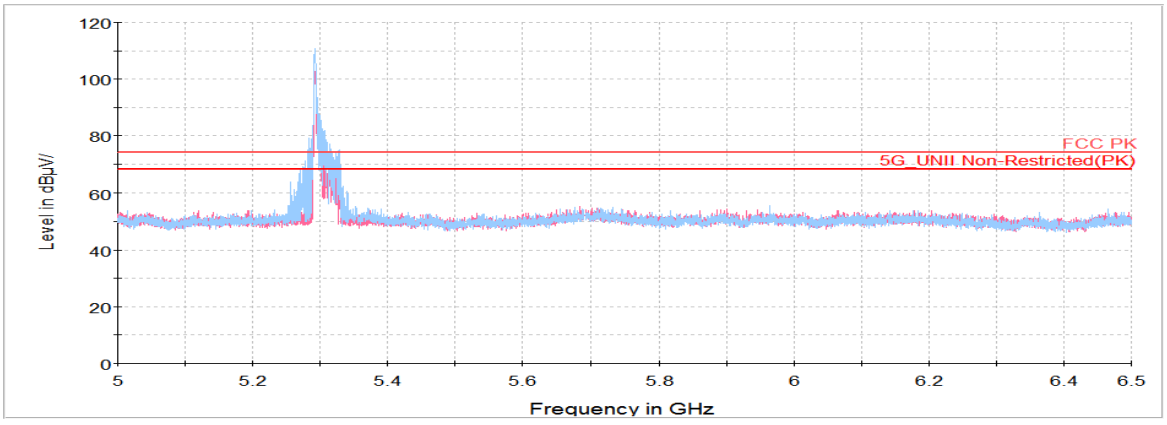
Horizontal/Vertical for 1 ㎓ ~ 3.5 ㎓



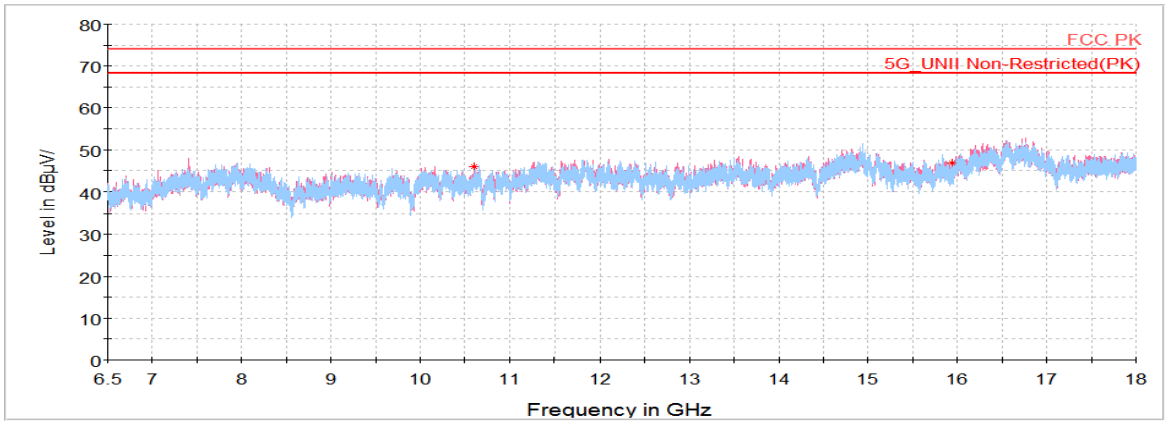
Horizontal/Vertical for 3.5 ㎓ ~ 5 ㎓



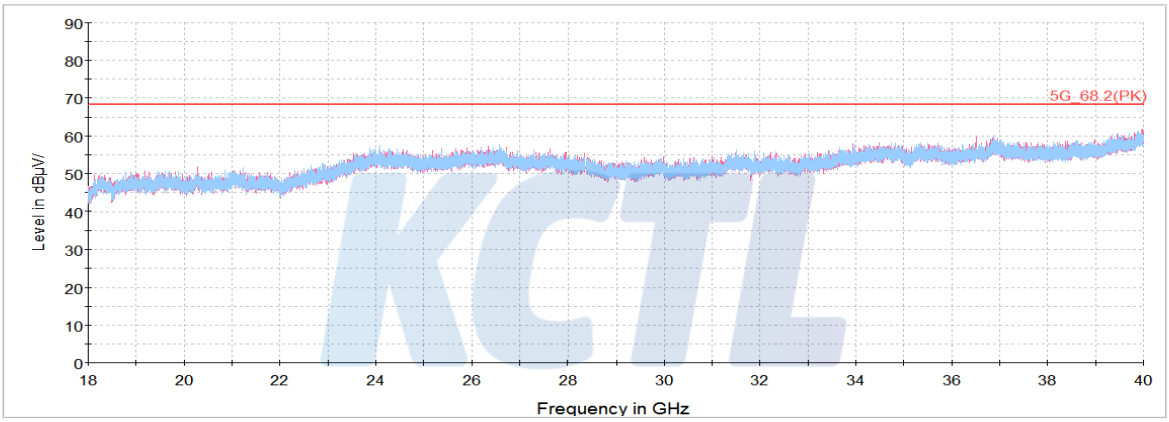
Horizontal/Vertical for 5 ㎓ ~ 6.5 ㎓



Horizontal/Vertical for 6.5 ㎓ ~ 18 ㎓



Horizontal/Vertical for 18 ㎓ ~ 40 ㎓



8. Measurement equipment

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum Analyzer	R&S	FSV30	100806	21.07.29*
Attenuator	Weinschel ENGINEERING	56-10	51395	21.01.22
Signal Generator	R&S	SMB100A	176206	21.01.21
Vector Signal Generator	R&S	SMBV100A	257566	21.07.13
DC Power Supply	AGILENT	E3632A	MY40001543	21.05.11
Power Sensor	R&S	NRP-Z81	1137.9009.02-106224-tg	21.05.25
Attenuator	R&S	DNF Dämpfungsglied 10 dB in N-50 Ohm	31210	21.05.11
Spectrum Analyzer	R&S	FSV40	100989	21.01.03
EMI TEST RECEIVER	R&S	ESCI7	100732	20.08.22
Bi-Log Antenna	SCHWARZBECK	VULB9168	583	22.04.23
Amplifier	SONOMA INSTRUMENT	310N	284608	20.08.22
COAXIAL FIXED ATTENUATOR	Agilent	8491B-003	2708A18758	21.04.23
Horn antenna	ETS.lindgren	3117	155787	20.10.24
Horn antenna	ETS.lindgren	3116	00086632	21.02.17
Attenuator	API Inmet	40AH2W-10	12	21.05.12
Broadband PreAmplifier	SCHWARZBECK	BBV9718	216	21.07.28*
AMPLIFIER	L-3 Narda-MITEQ	AMF-7D-01001800 -22-10P	2031196	21.02.12
AMPLIFIER	L-3 Narda-MITEQ	JS44-18004000-33-8P	2000996	21.01.22
LOOP Antenna	R&S	HFH2-Z2	100355	20.08.24
Antenna Mast	Innco Systems	MA4640-XP-ET	-	-
Turn Table	Innco Systems	DT2000	79	-
Antenna Mast	Innco Systems	MA4000-EP	303	-
Turn Table	Innco Systems	DT2000	79	-
High pass Filter	WT	WT-A1699-HS	WT160411002	21.05.11
TWO-LINE V - NETWORK	R&S	ENV216	101358	20.10.02
EMI TEST RECEIVER	R&S	ESCI	100001	20.08.22

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

End of test report