

KCTL Inc.

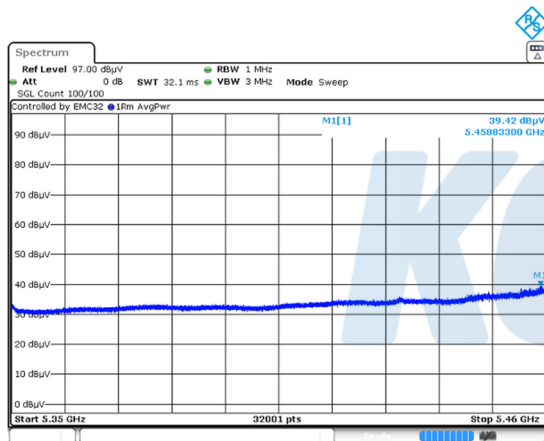
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Report No.:
KR20-SRF0016-A

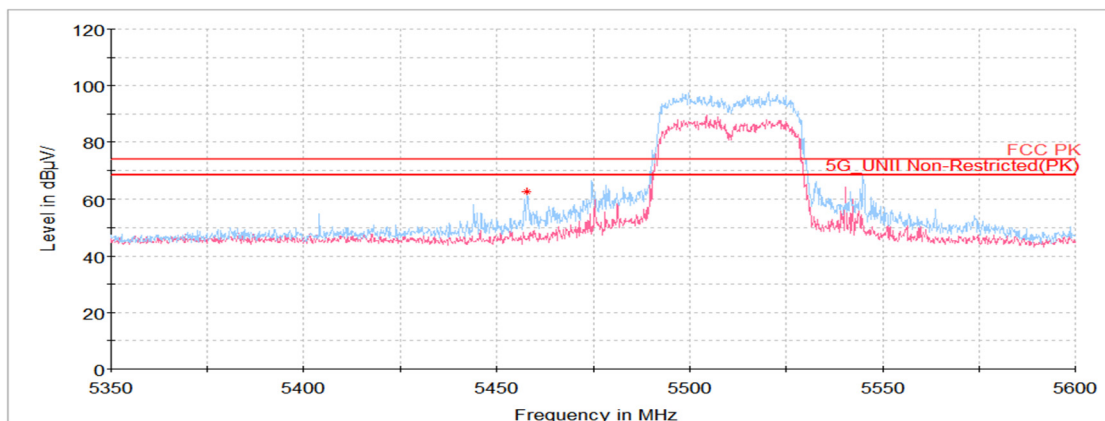
Page (159) of (219)

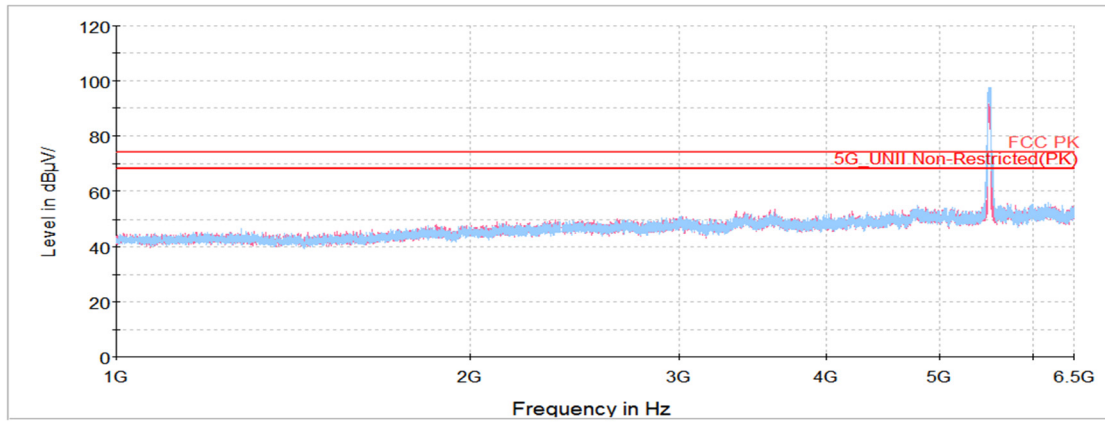
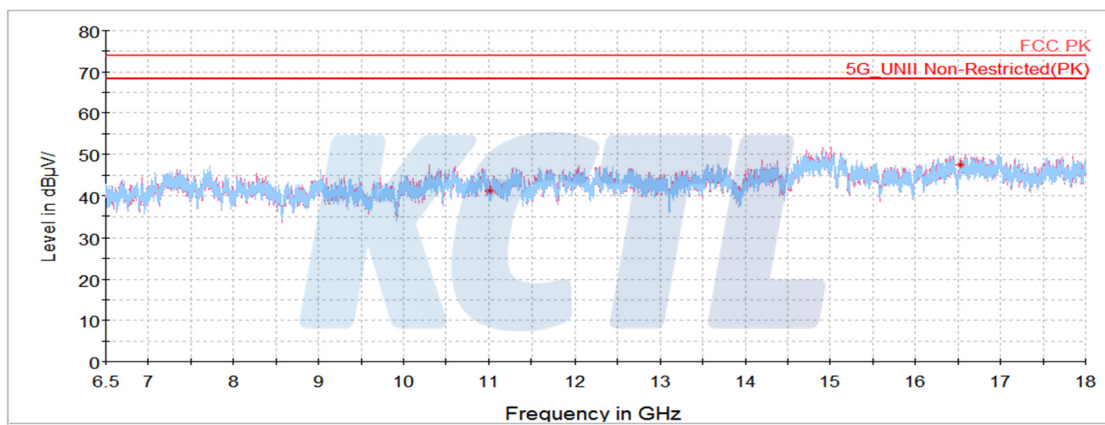
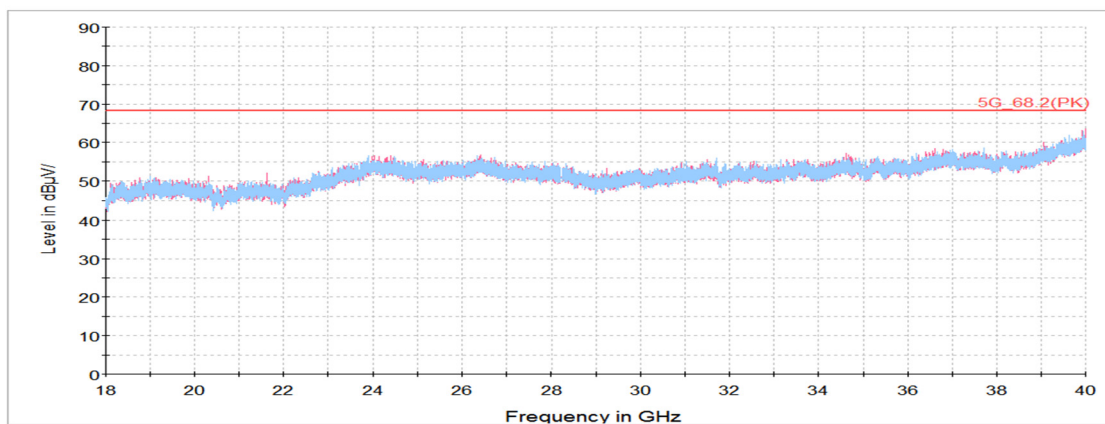
KCTL**802.11n HT40 UNII-2C****Lowest Channel (5 510 MHz)**

Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 458.83 ¹⁾	54.99	H	34.73	-27.34	-	62.38	74.00	11.62
11 020.22 ¹⁾	54.16	V	37.71	-50.73	-	41.14	74.00	32.86
16 529.08	52.81	H	41.53	-46.77	-	47.57	68.20	20.63
Average Data								
5 458.83 ¹⁾	39.42	H	34.73	-27.34	0.10	46.91	54.00	7.09

Average data

Blank

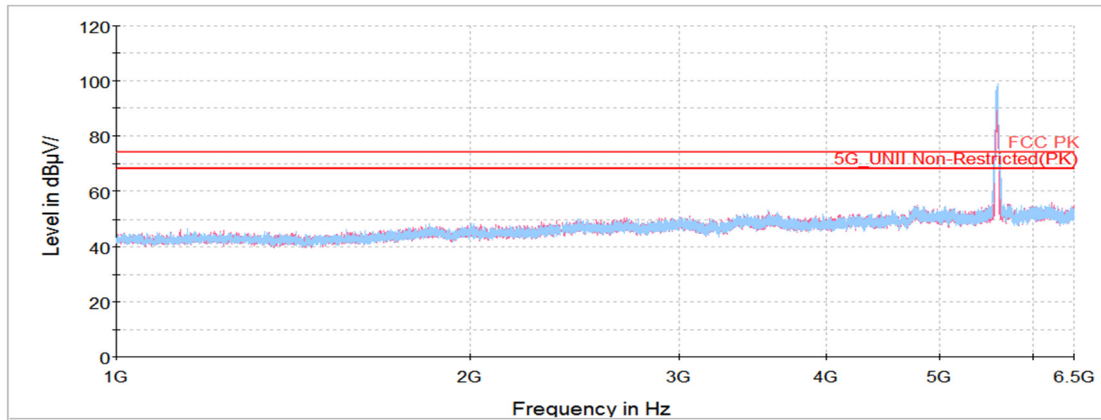
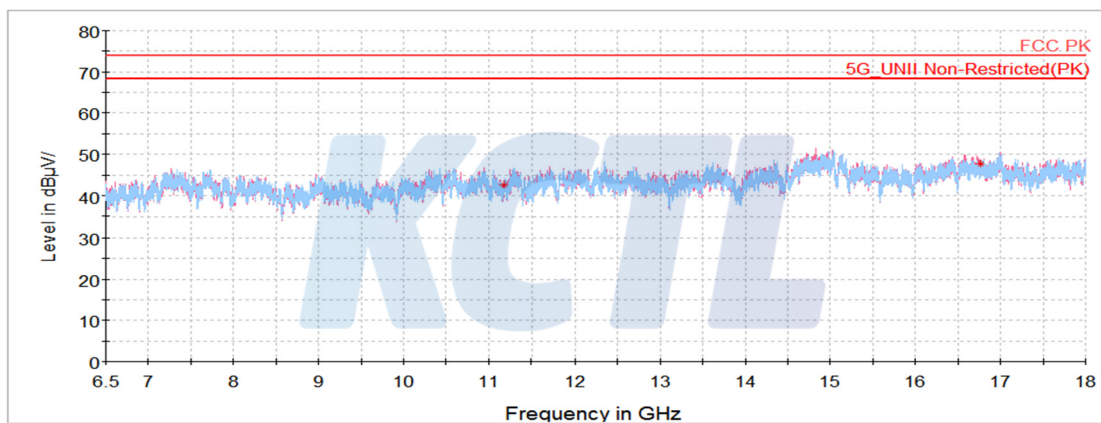
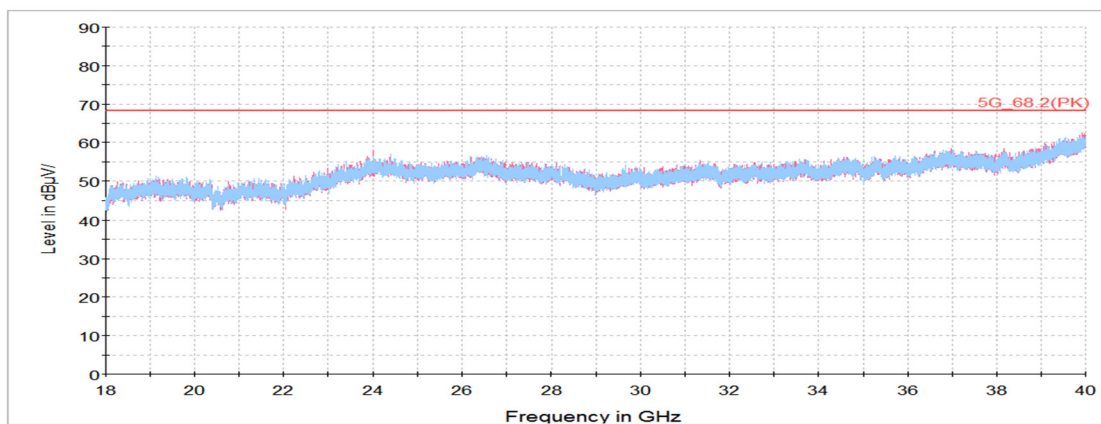
Horizontal/Vertical for Band-edge

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

Middle Channel (5 590 MHz)

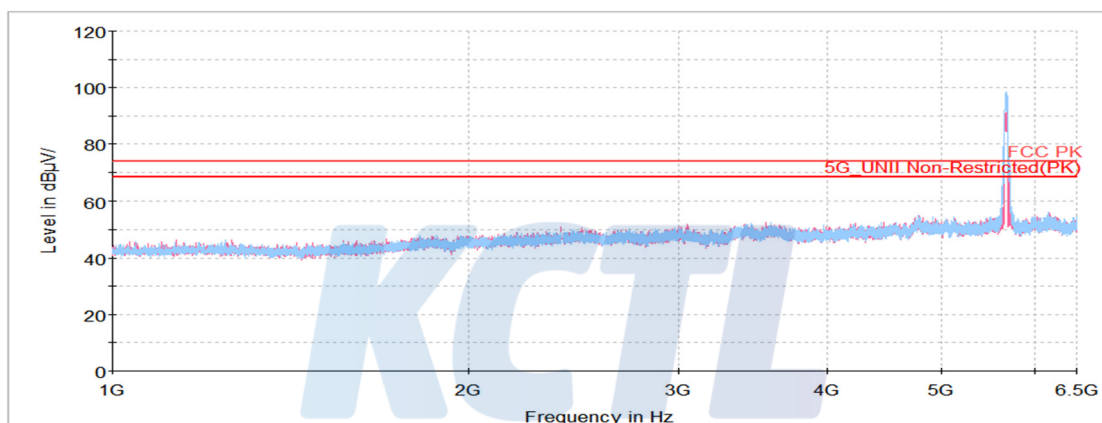
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 180.14 ¹⁾	55.18	V	37.81	-50.50	-	42.49	74.00	31.51
16 770.22	52.83	V	41.77	-46.84	-	47.76	68.20	20.44
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

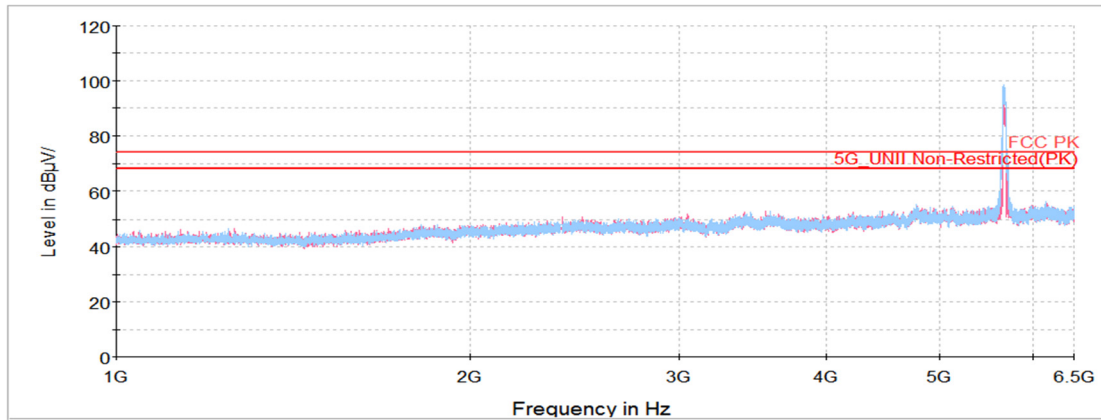
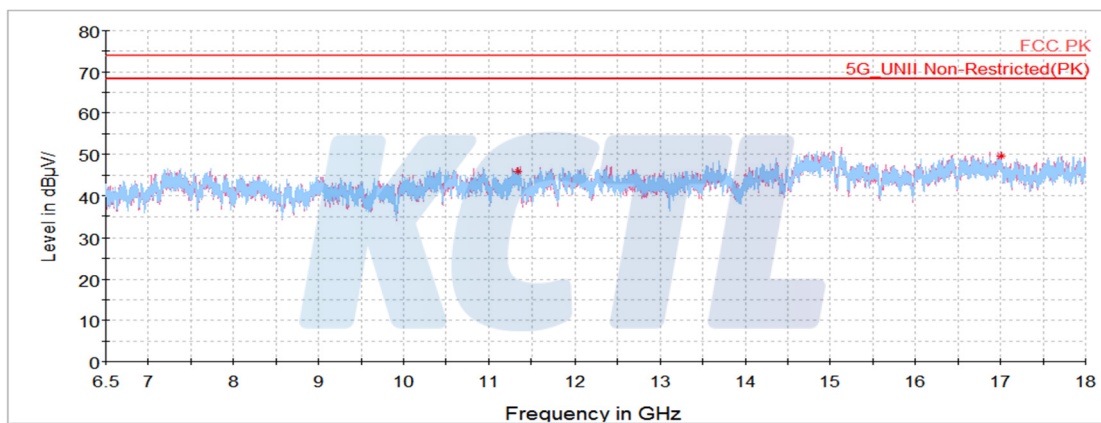
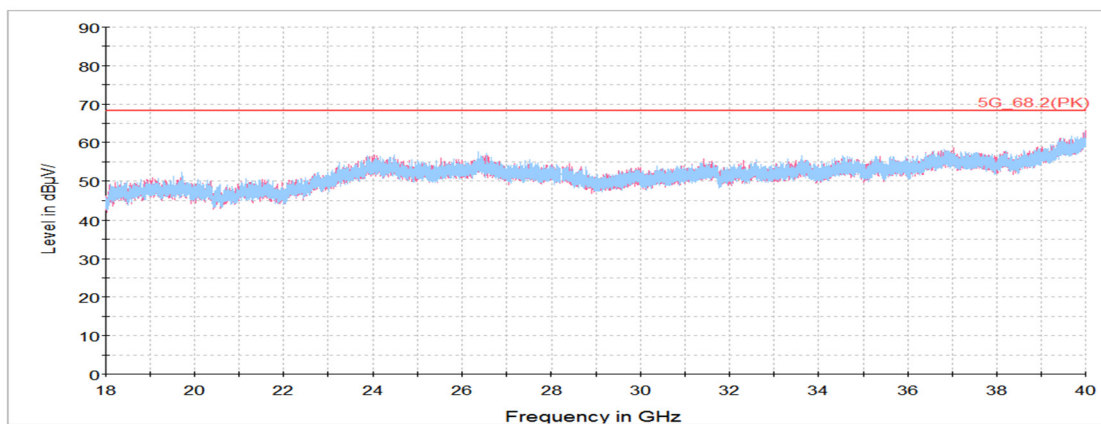


Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

Highest Channel (5 670 MHz)

Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 725.19	46.67	H	35.07	-25.92	-	55.82	68.20	12.38
11 340.06 ¹⁾	58.20	V	37.90	-50.28	-	45.82	74.00	28.18
17 009.92	55.12	V	41.30	-46.94	-	49.48	68.20	18.72
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

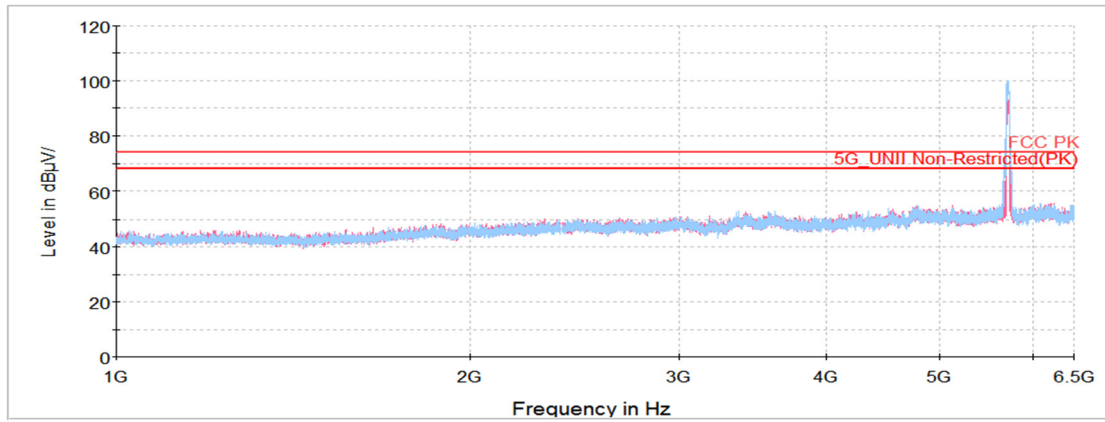
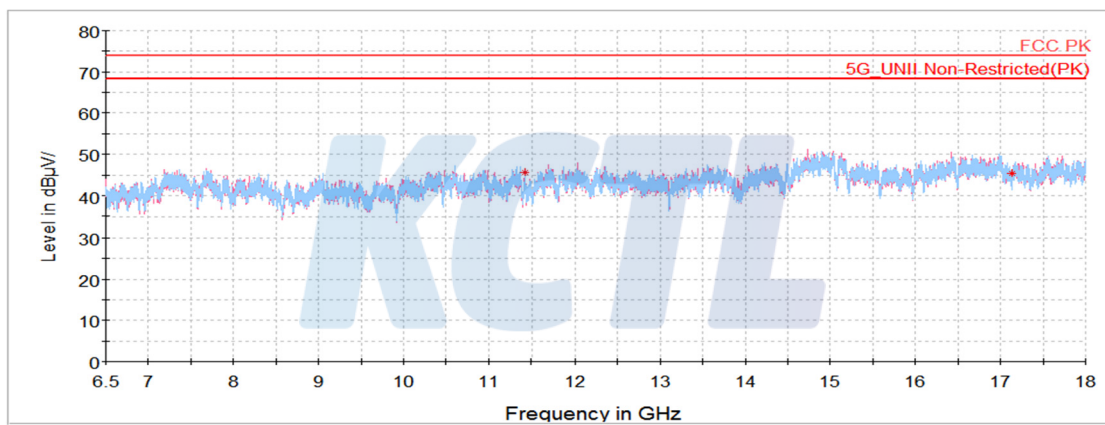
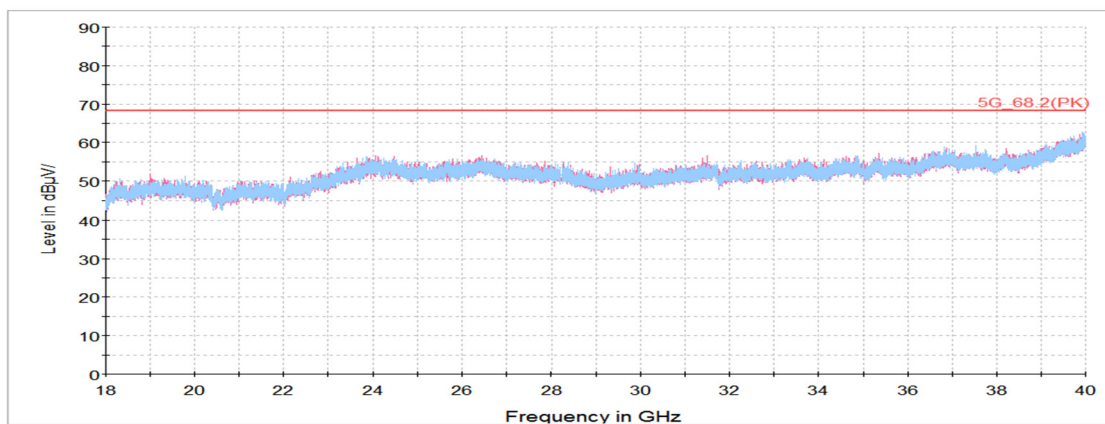
Horizontal/Vertical for Band-edge

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

Straddle Channel (5 710 MHz)

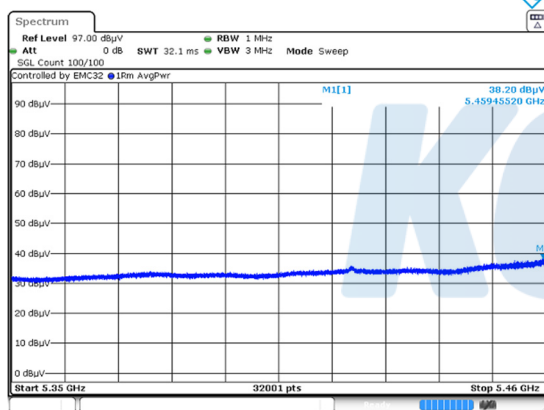
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 420.20 ¹⁾	57.77	H	37.95	-50.16	-	45.56	74.00	28.44
17 129.23	51.39	V	41.25	-47.35	-	45.29	68.20	22.91
Average Data								
No spurious emissions were detected within 20 dB of the limit.								



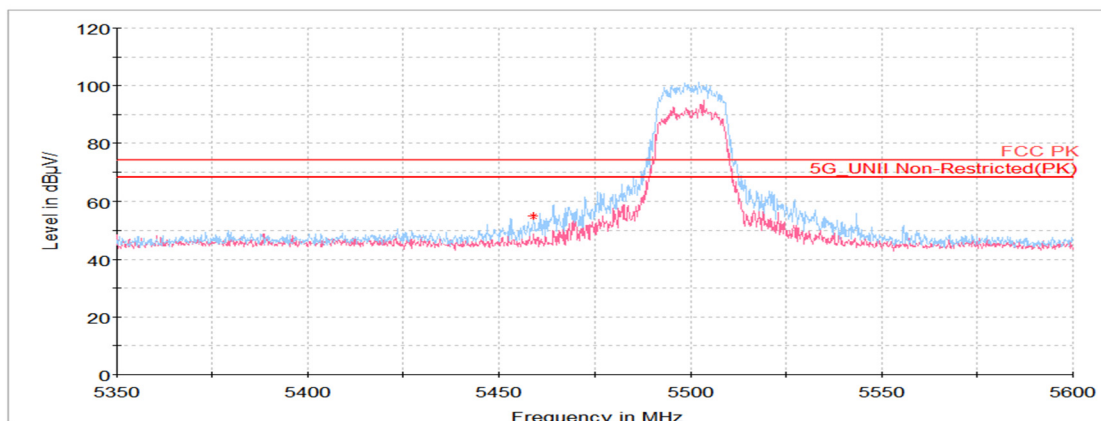
Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

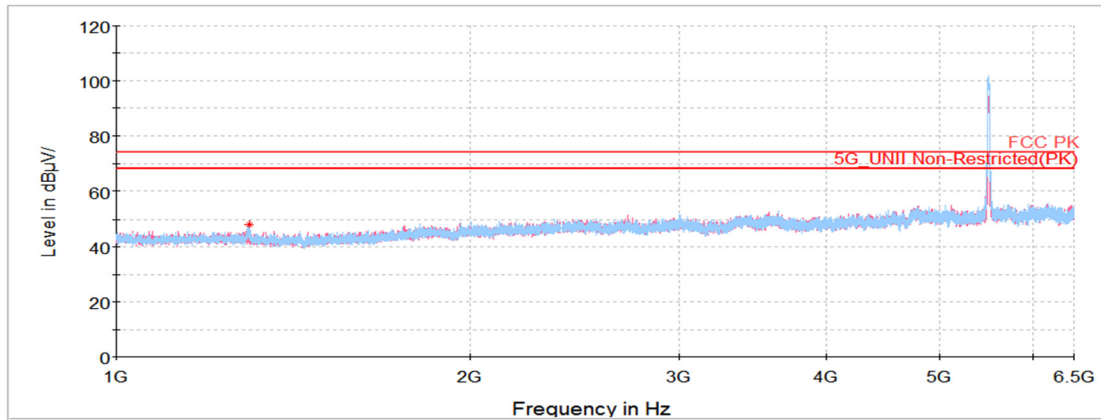
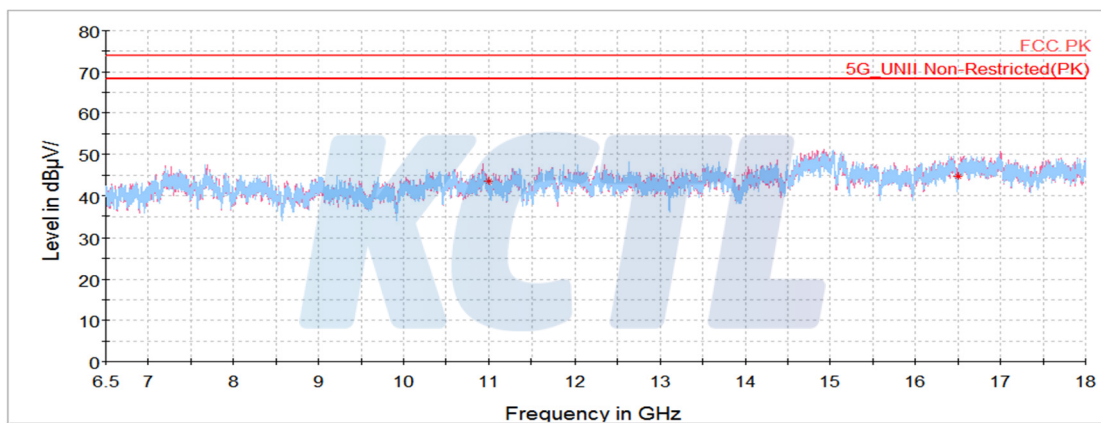
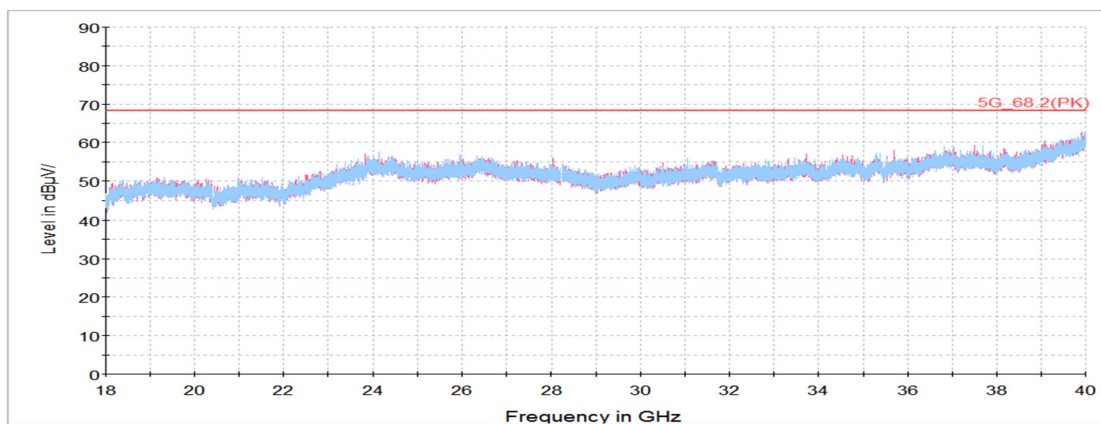
802.11ac VHT20 UNII-2C**Lowest Channel (5 500 MHz)**

Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 296.66	70.06	H	27.92	-50.08	-	47.90	74.00	26.10
5 459.46 ¹⁾	47.39	H	34.74	-27.35	-	54.78	74.00	19.22
11 002.25 ¹⁾	56.65	H	37.70	-50.75	-	43.60	74.00	30.40
16 502.13	49.88	V	41.50	-46.76	-	44.62	68.20	23.58
Average Data								
5 459.46 ¹⁾	38.20	H	34.74	-27.35	-	45.59	54.00	8.41

Average data

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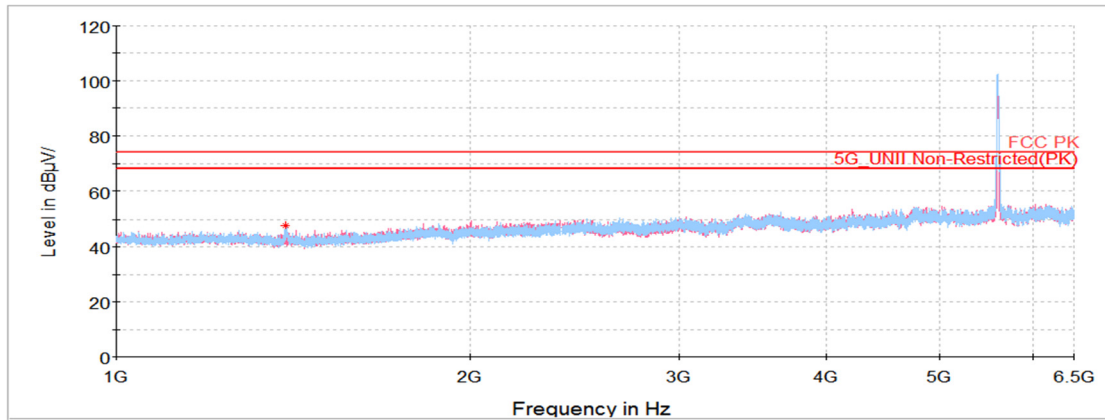
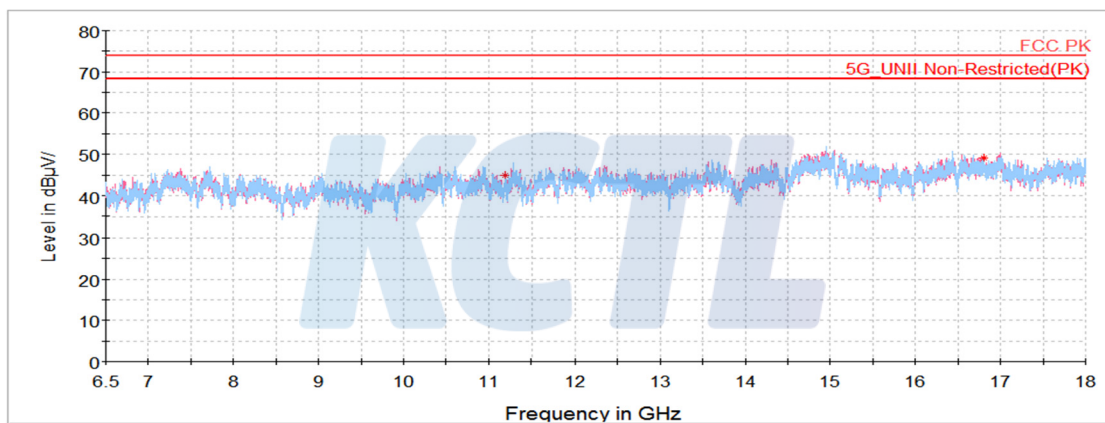
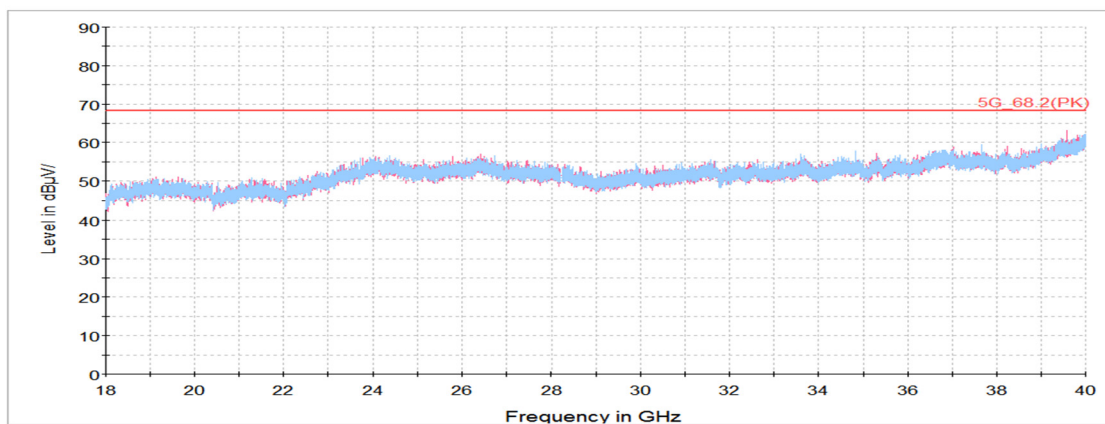
Horizontal/Vertical for Band-edge

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

Middle Channel (5 600 MHz)

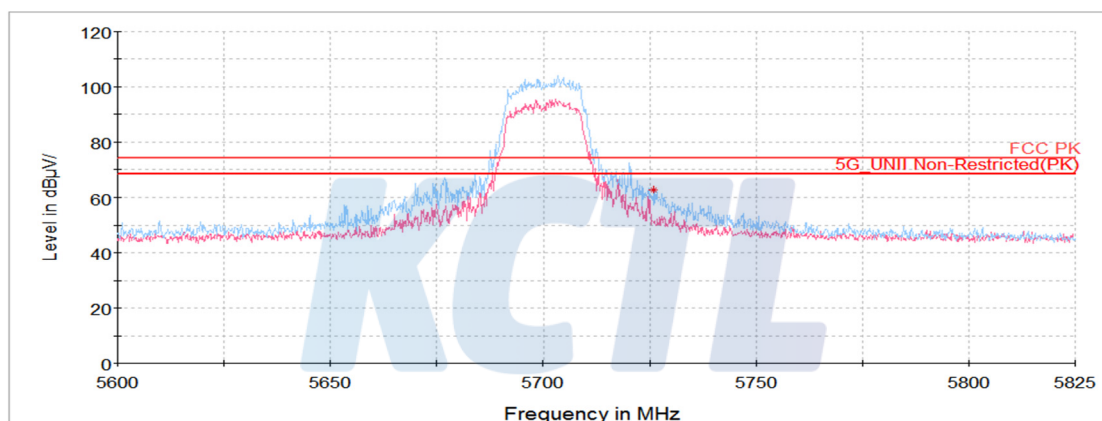
Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 391.36 ¹⁾	69.97	H	27.96	-50.38	-	47.55	74.00	26.45
11 197.39 ¹⁾	57.46	V	37.82	-50.48	-	44.80	74.00	29.20
16 809.75	54.27	H	41.81	-46.85	-	49.23	68.20	18.97
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

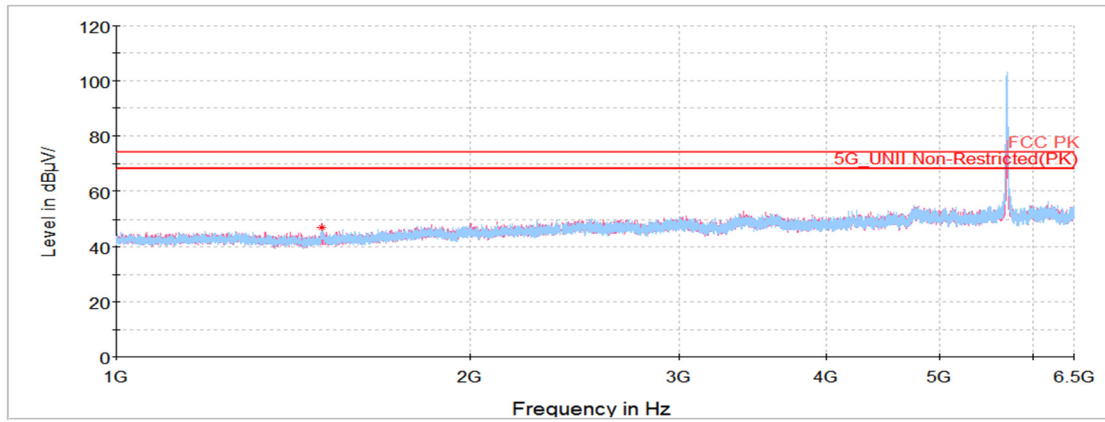
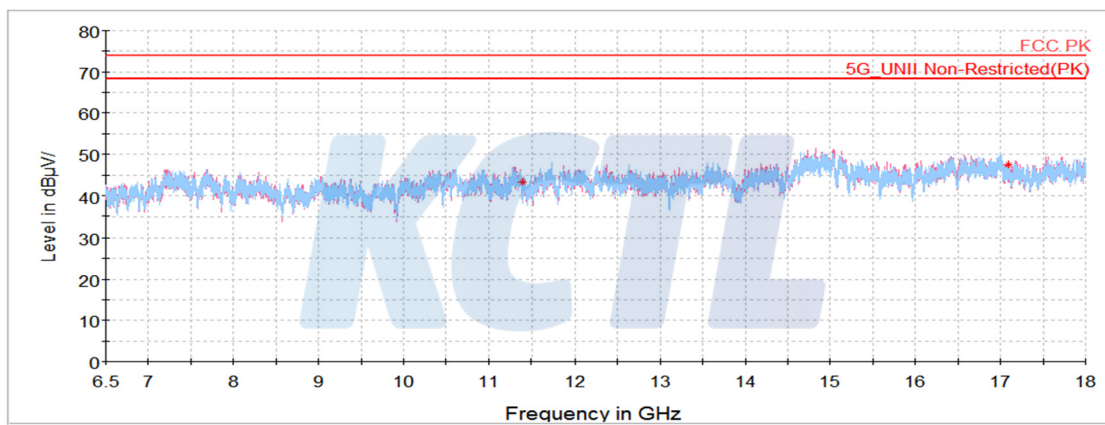


Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

Highest Channel (5 700 MHz)

Frequency	Reading	Pol.	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(dB(μV))	(V/H)	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
1 495.52 ¹⁾	68.93	H	28.00	-50.03	-	46.90	74.00	27.10
5 725.88	53.56	H	35.07	-25.93	-	62.70	68.20	5.50
11 398.64 ¹⁾	55.61	V	37.94	-50.19	-	43.36	74.00	30.64
17 099.05	53.49	H	41.26	-47.25	-	47.50	68.20	20.70
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

Horizontal/Vertical for Band-edge

Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**