

KCTL Inc.

65, Sinwon-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677, Korea
TEL: 82-31-285-0894 FAX: 82-505-299-8311
www.kctl.co.kr

Report No.:
KR20-SRF0037

Page (145) of (206)

**Highest Channel (5 720 MHz)**

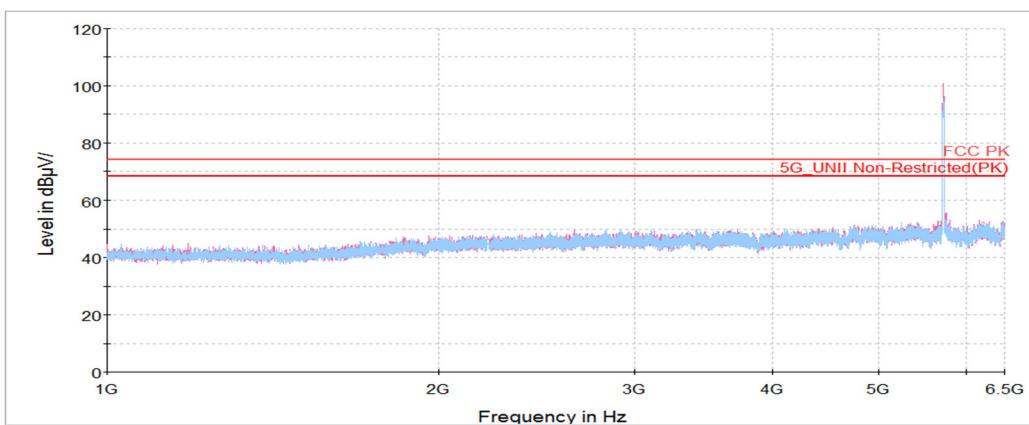
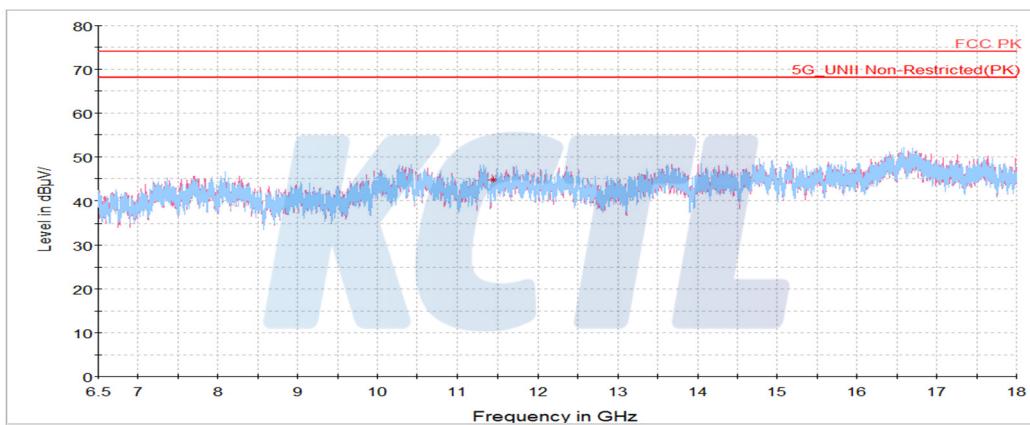
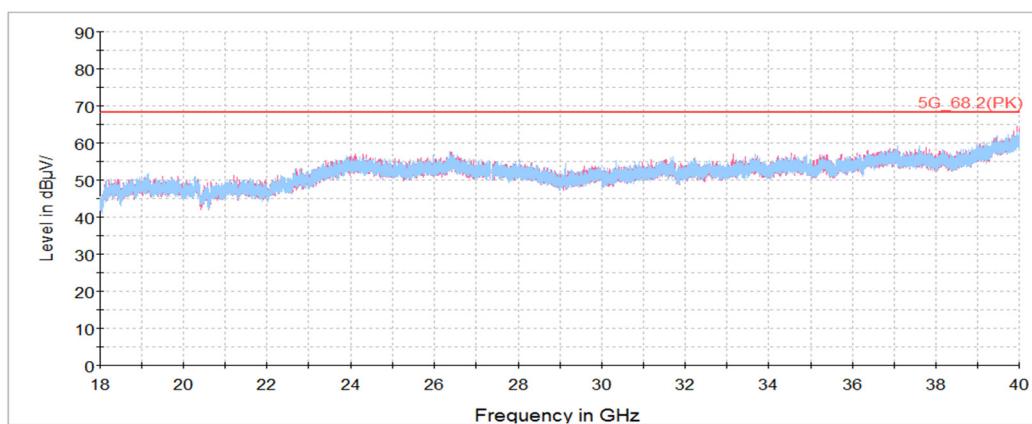
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 439.97 ¹⁾	V	55.05	38.14	-48.51	-	44.68	74.00	29.32
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

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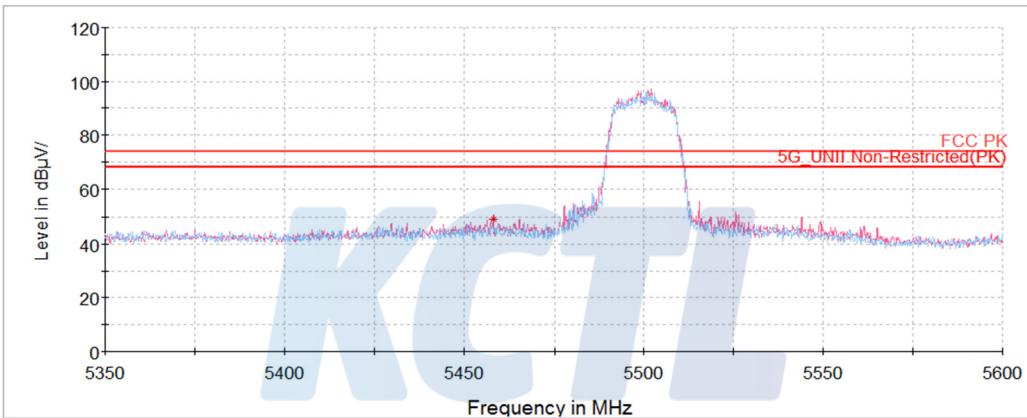
Report No.:
KR20-SRF0037

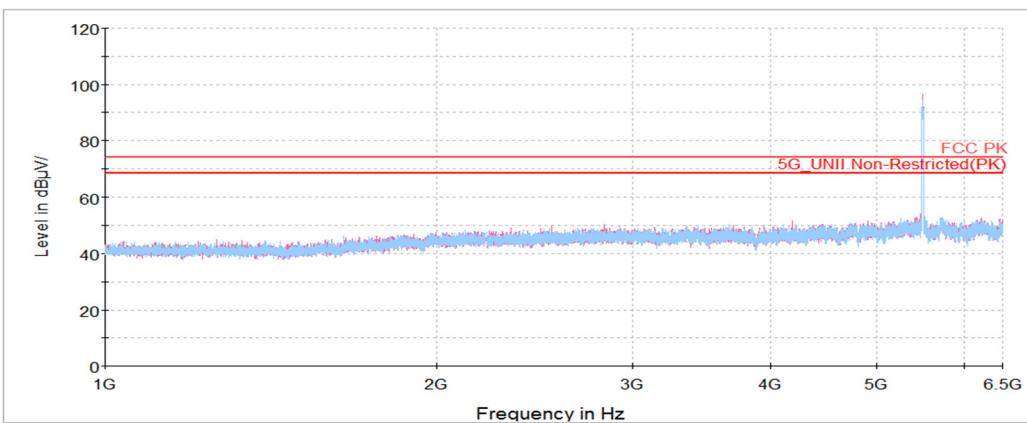
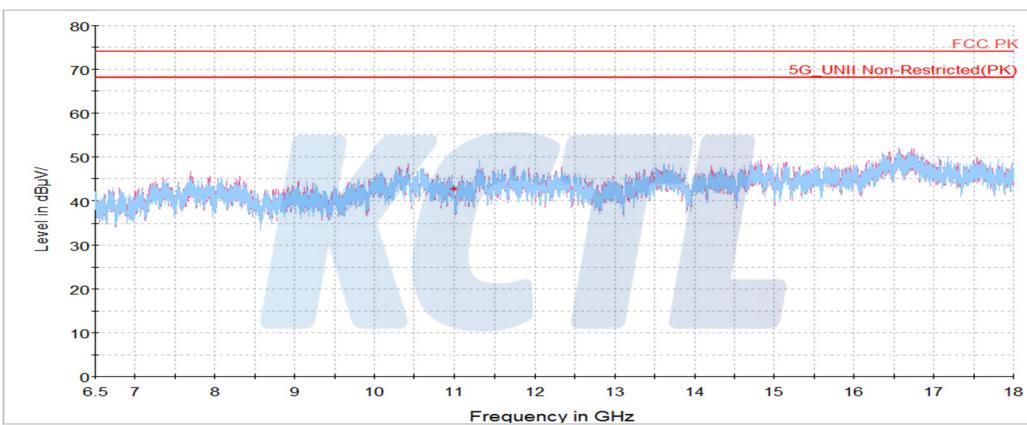
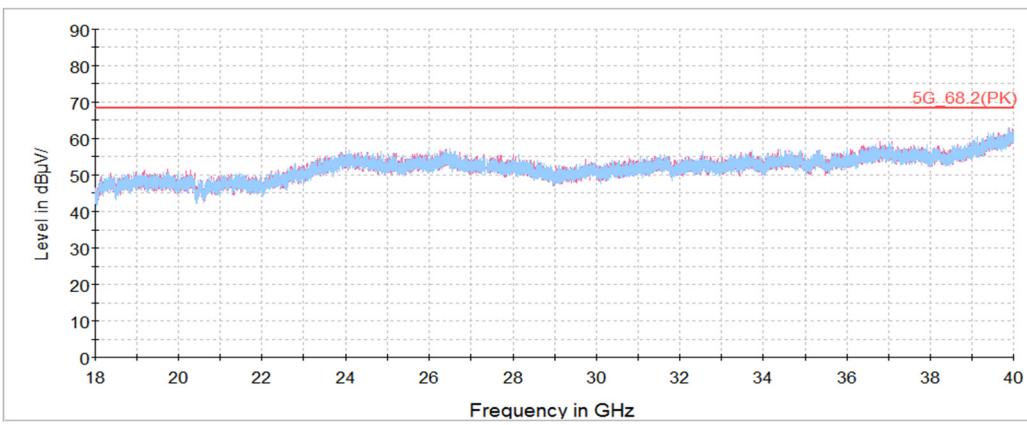
Page (146) of (206)

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

802.11n HT20 UNII-2C**Lowest Channel (5 500 MHz)**

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 457.92 ¹⁾	V	42.05	34.45	-27.33	-	49.17	74.00	24.83
11 000.45 ¹⁾	V	56.41	37.70	-51.38	-	42.73	74.00	31.27
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**

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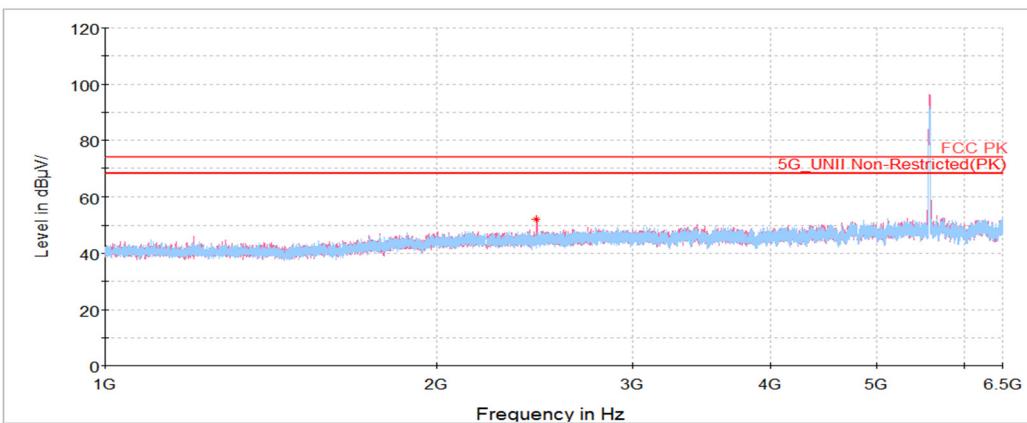
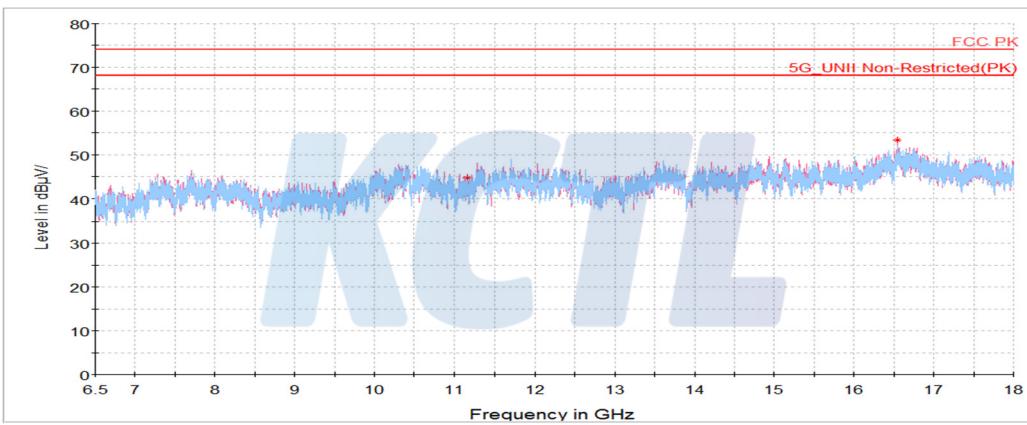
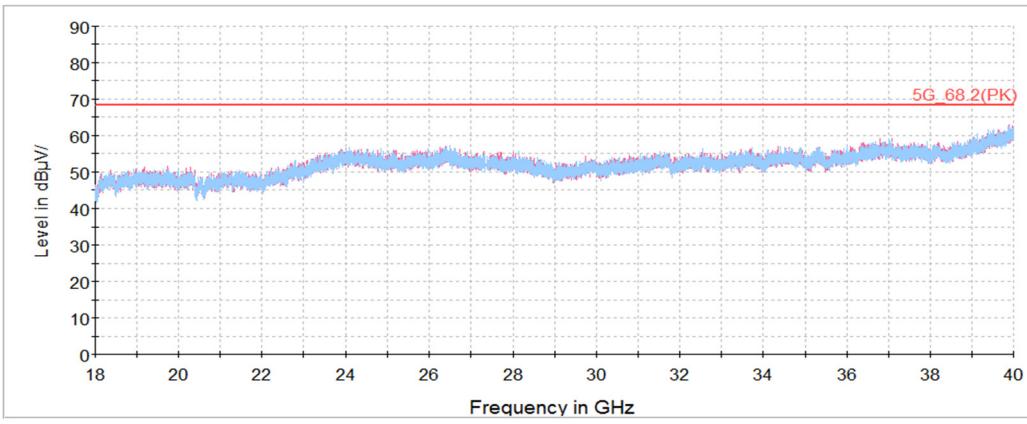
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Report No.:
KR20-SRF0037

Page (149) of (206)

**Middle Channel (5 580 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
Peak data								
2 456.98	V	68.43	32.07	-48.37	-	52.13	68.20	16.07
11 161.45 ¹⁾	V	57.18	37.86	-50.33	-	44.71	74.00	29.29
16 548.84	V	57.29	41.57	-45.40	-	53.46	68.20	14.74
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**

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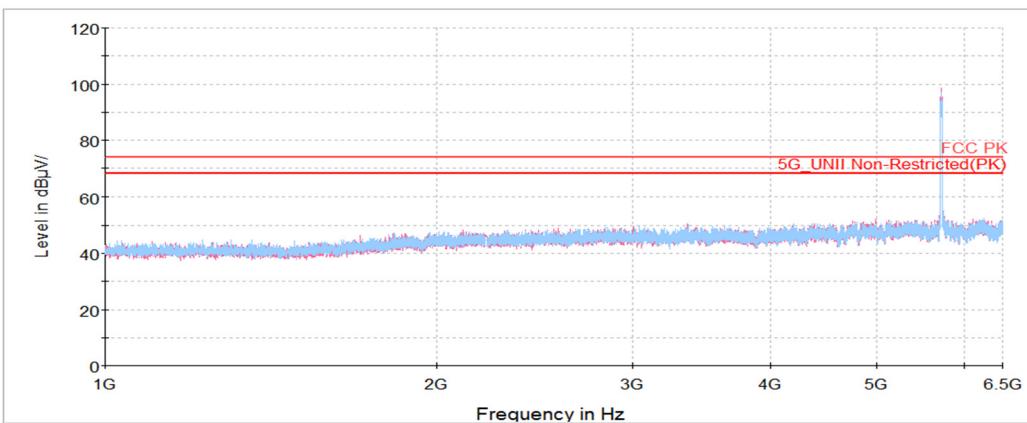
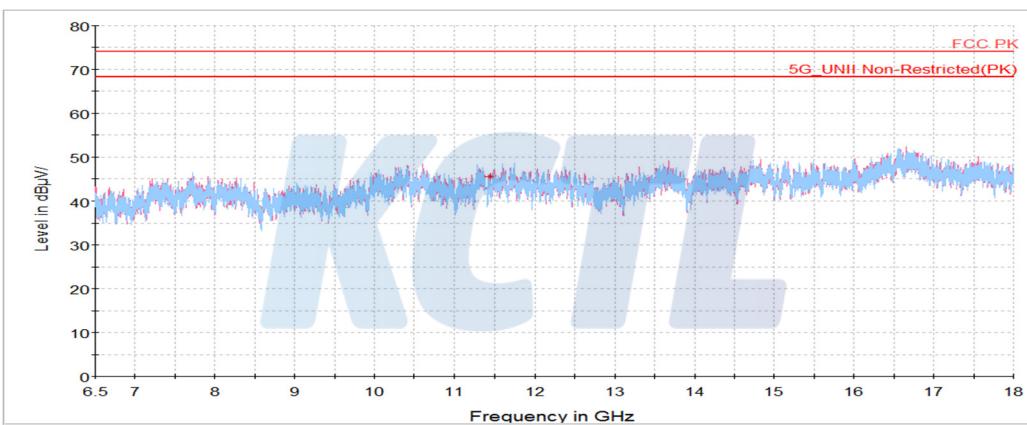
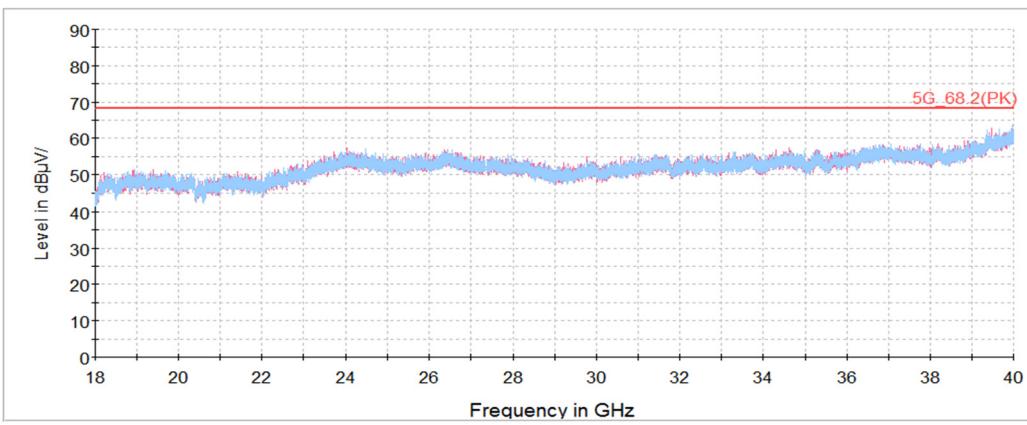
KR20-SRF0037

Page (151) of (206)

KCTL**Highest Channel (5 720 MHz)**

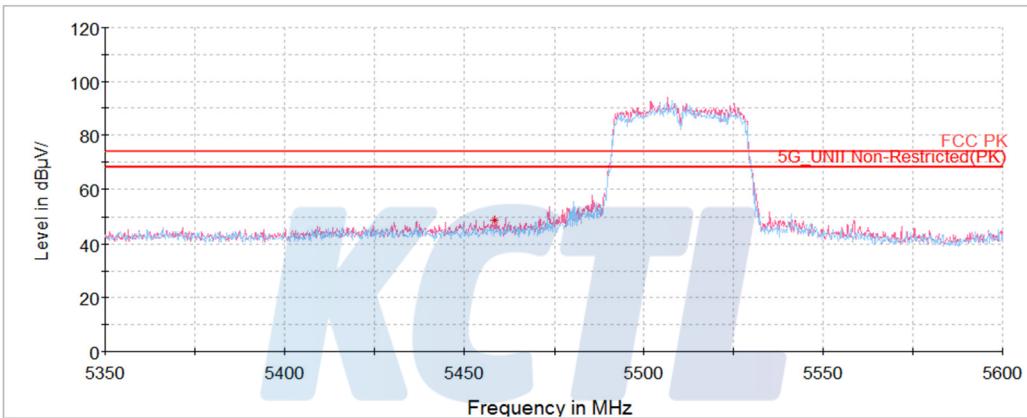
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 440.33 ¹⁾	V	55.87	38.14	-48.51	-	45.50	74.00	28.50
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

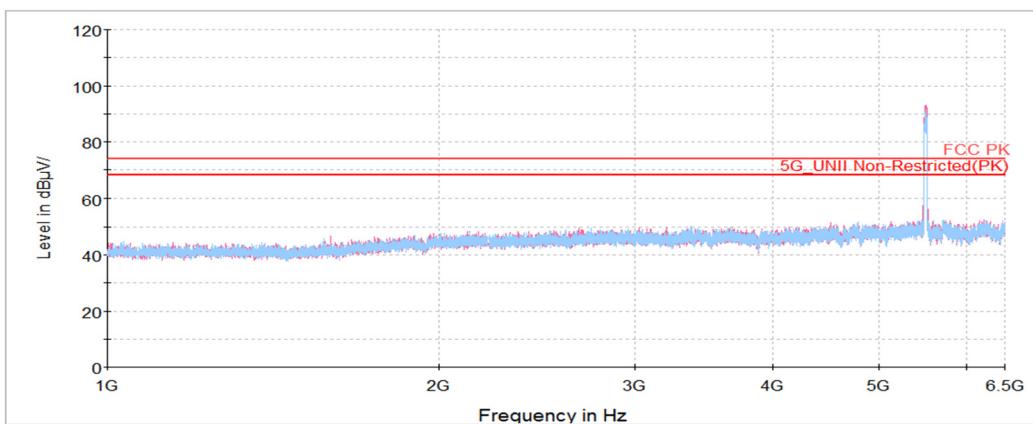
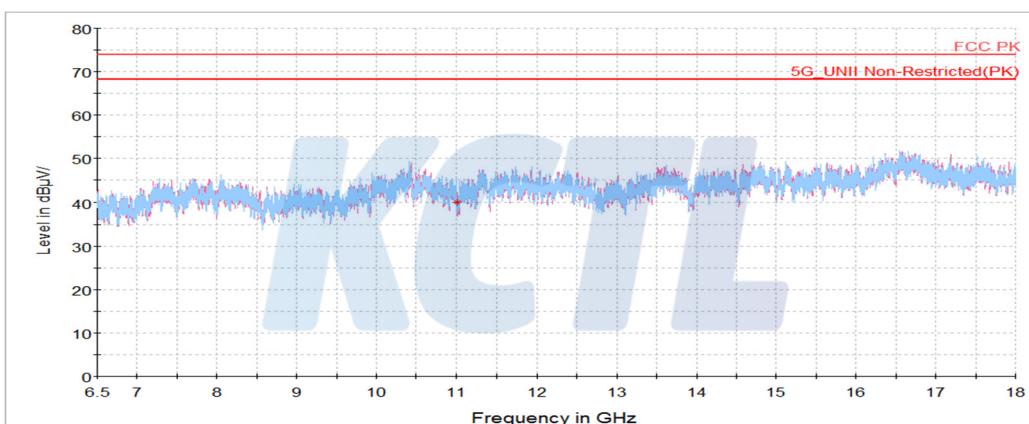
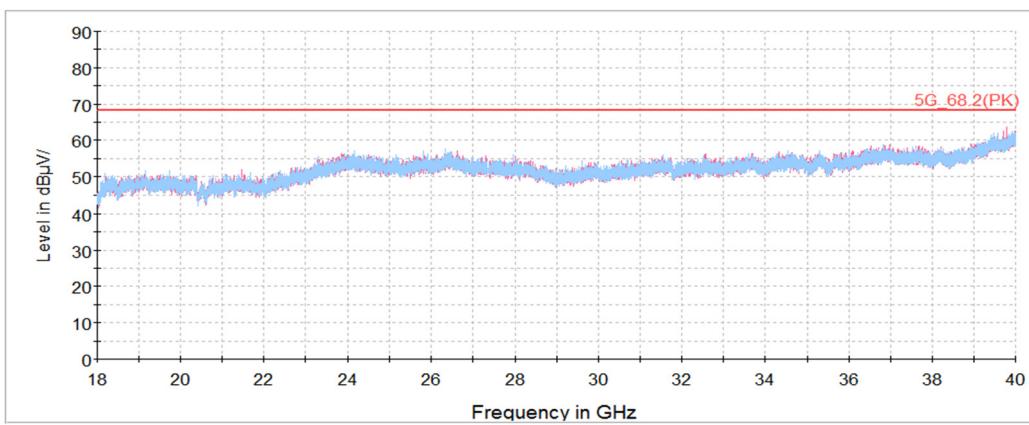
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Horizontal/Vertical for 1 GHz ~ 6.5 GHz**Horizontal/Vertical for 6.5 GHz ~ 18 GHz****Horizontal/Vertical for 18 GHz ~ 40 GHz**

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

Frequency (MHz)	Pol. (V/H)	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 458.44 ¹⁾	V	41.51	34.45	-27.33	-	48.63	74.00	25.37
11 020.22 ¹⁾	H	53.43	37.72	-51.25	-	39.90	74.00	34.10
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**

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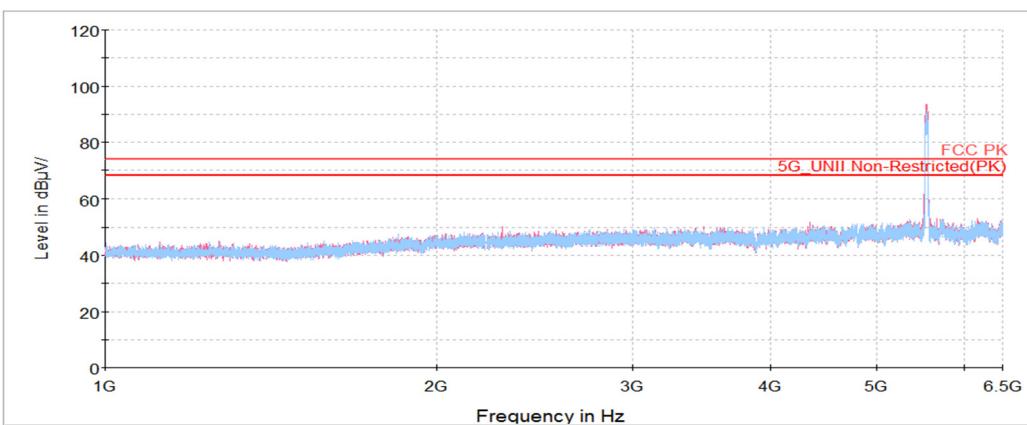
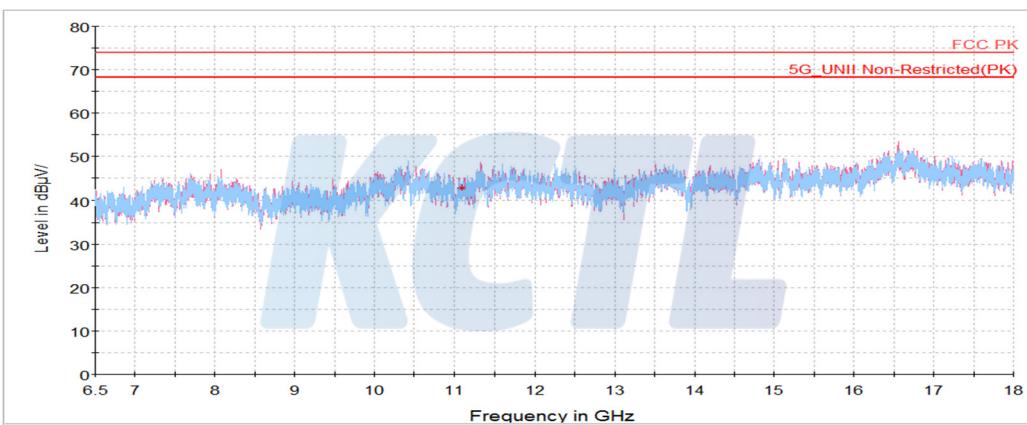
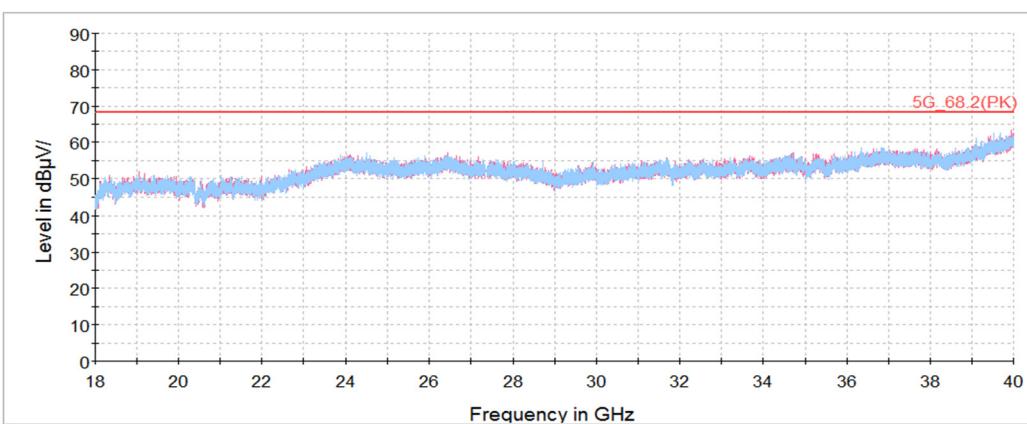
Report No.:

KR20-SRF0037

Page (155) of (206)

**Middle Channel (5 550 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(µV))	(dB)	(dB)	(dB)	(dB(µV/m))	(dB(µV/m))	(dB)
Peak data								
11 100.36 ¹⁾⁾	H	55.65	37.80	-50.73	-	42.72	74.00	31.28
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**

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Report No.:

KR20-SRF0037

Page (157) of (206)

KCTL**Highest Channel (5 710 MHz)**

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
11 419.84 ₁)	V	55.04	38.12	-48.64	-	44.52	74.00	29.48
Average Data								
No spurious emissions were detected within 20 dB of the limit.								

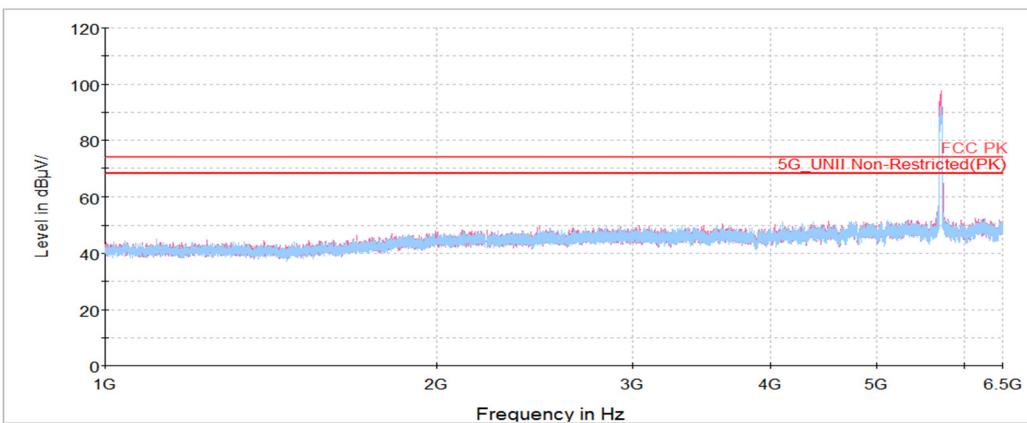
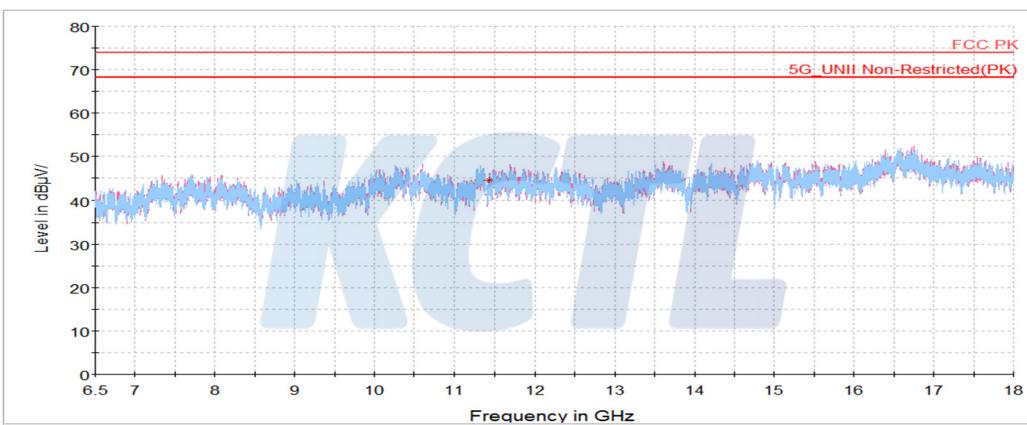
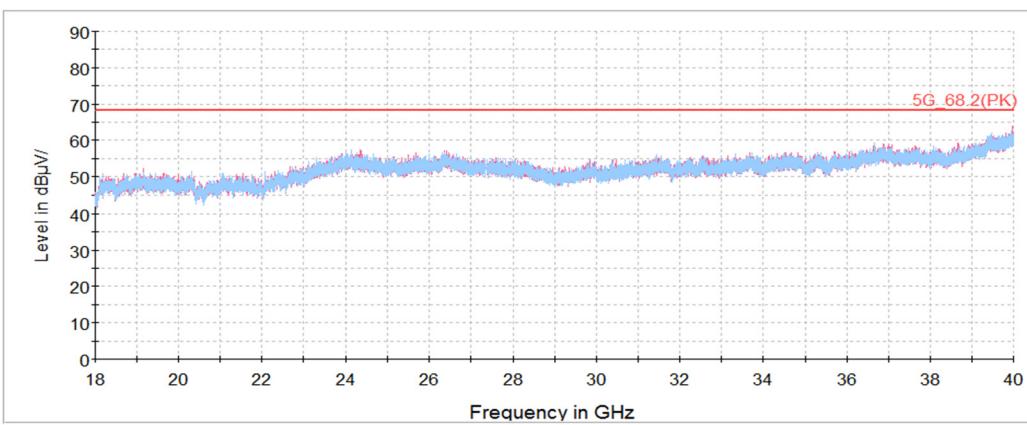
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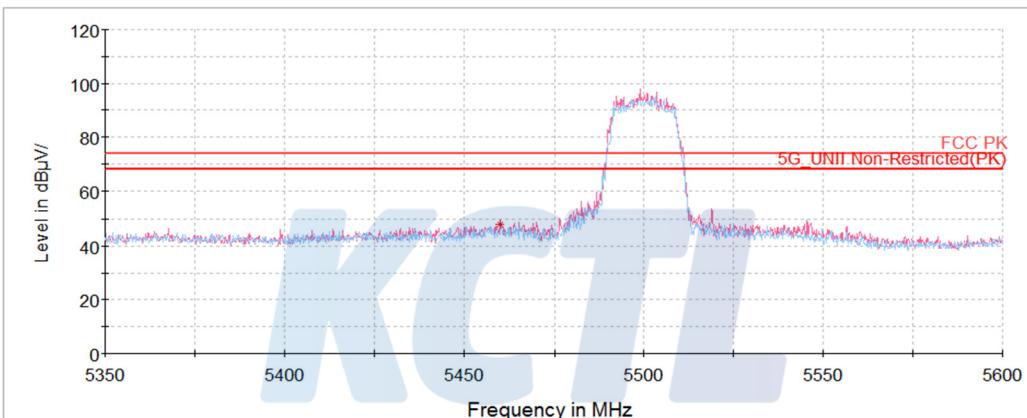
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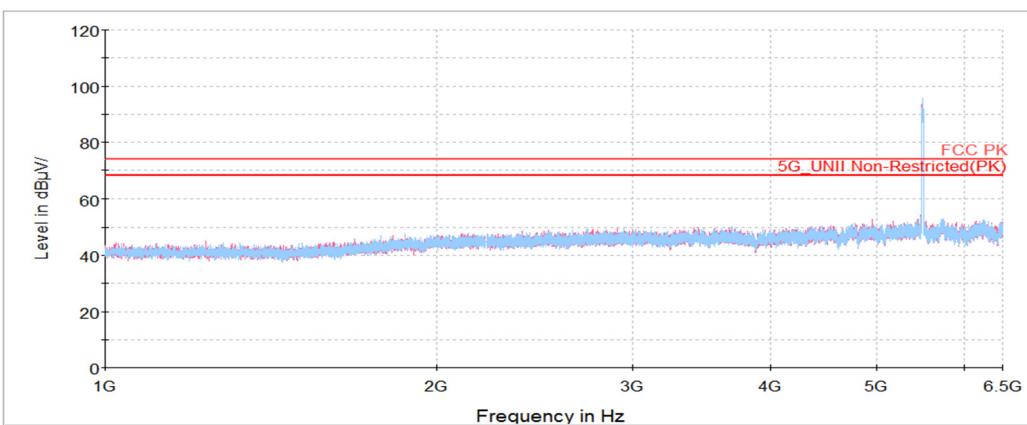
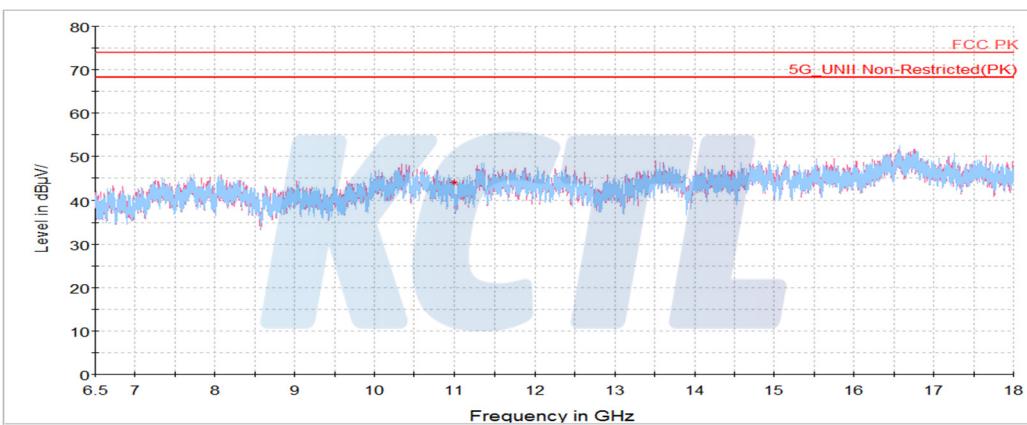
Page (158) of (206)

KCTL**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 (MHz)	Pol.	Reading (dB(μ V))	Ant. Factor (dB)	Amp.+Cable (dB)	DCCF (dB)	Result (dB(μ V/m))	Limit (dB(μ V/m))	Margin (dB)
Peak data								
5 459.98 ¹⁾	V	40.99	34.45	-27.35	-	48.09	74.00	25.91
11 005.13 ¹⁾	H	57.61	37.71	-51.35	-	43.97	74.00	30.03
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**