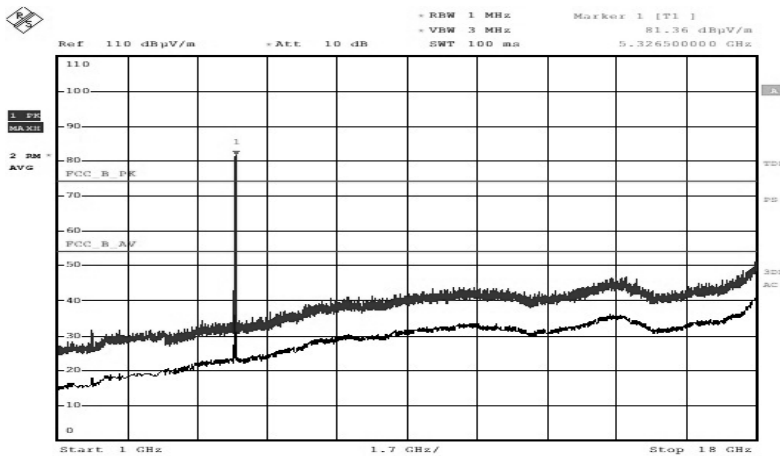


*802.11ac VHT20 Mode(was2)

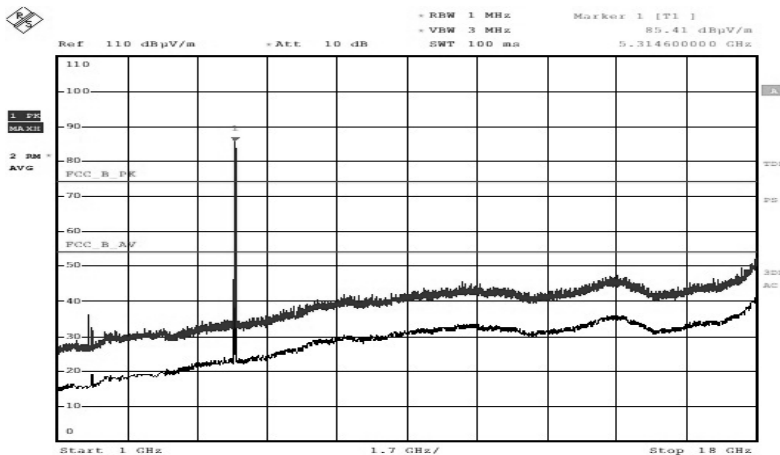
Band Edges(CH Low)

Polarity:Horizontal



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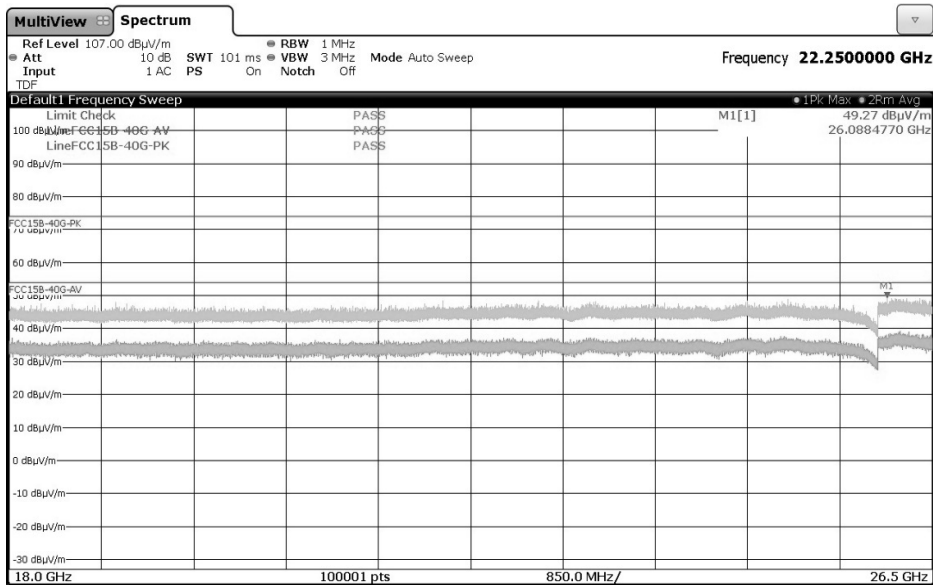
Polarity:Vertical



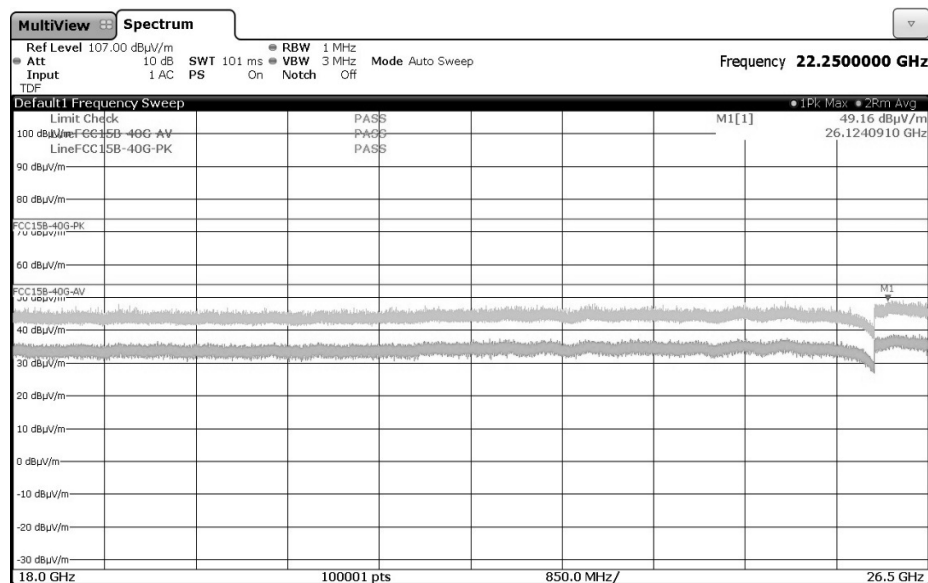
ESTR-21-00231

Band Edges(CH Low)

Polarity:Horizontal



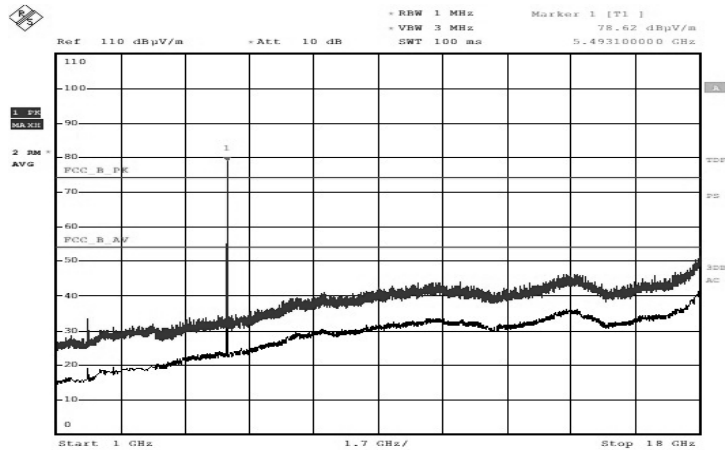
Polarity:Vertical



*802.11ac VHT20 Mode(was3)

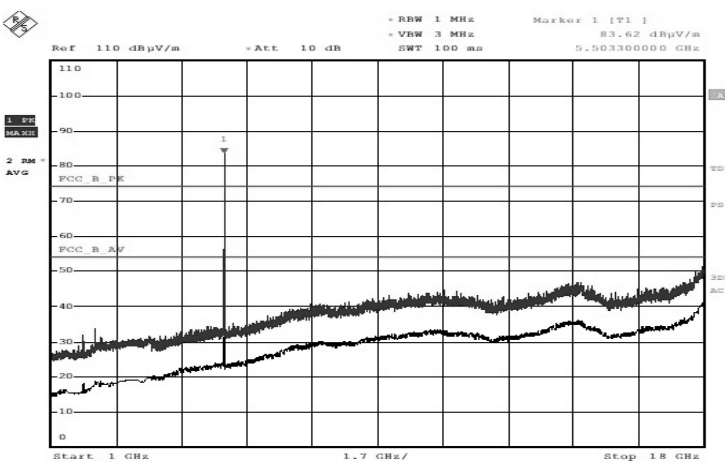
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00231

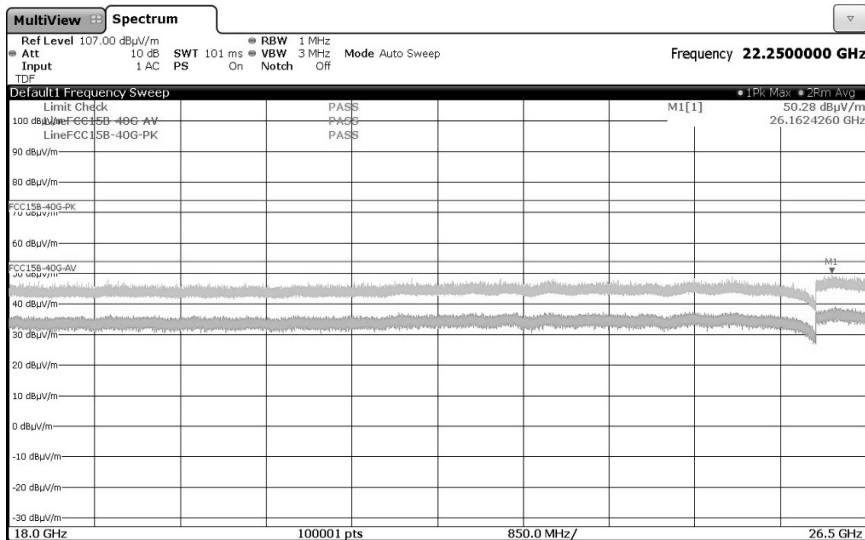
Polarity:Vertical



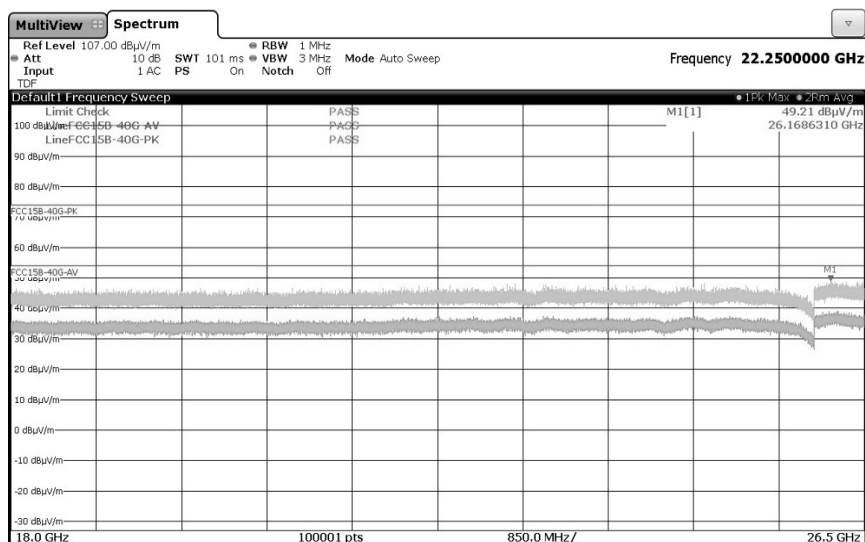
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal

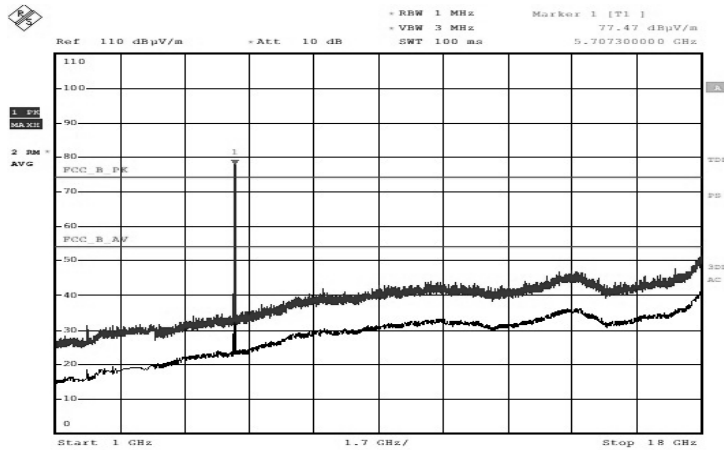


Polarity:Vertical



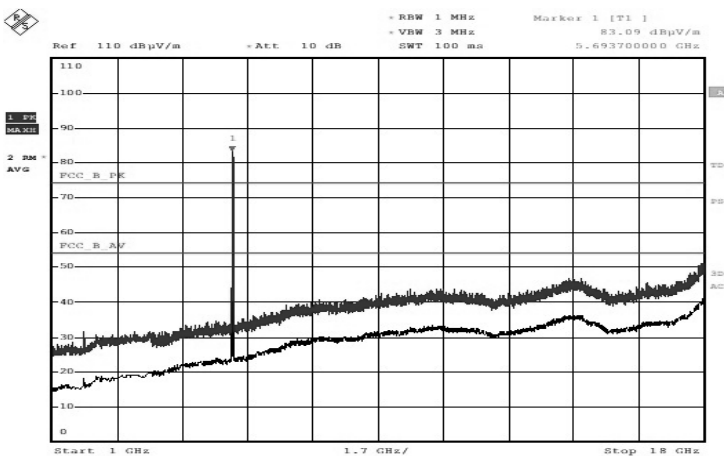
Band Edges(CH High)

Polarity:Horizontal



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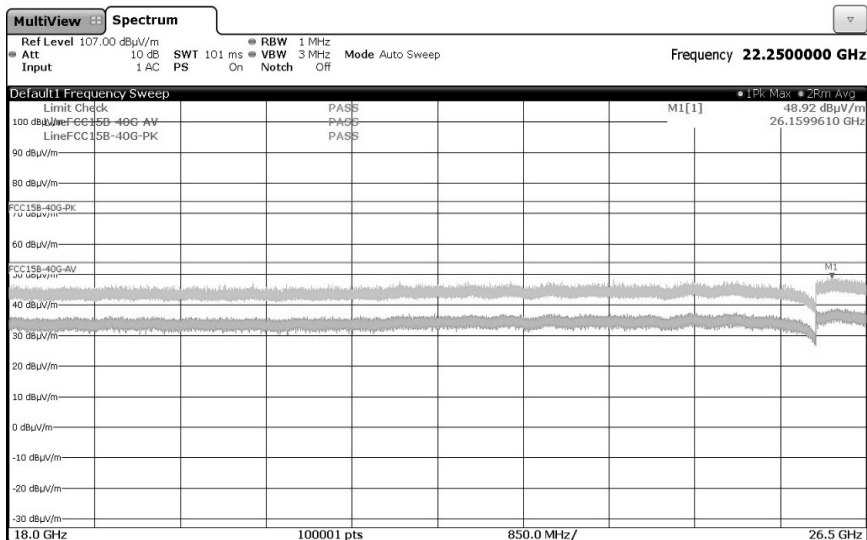
Polarity:Vertical



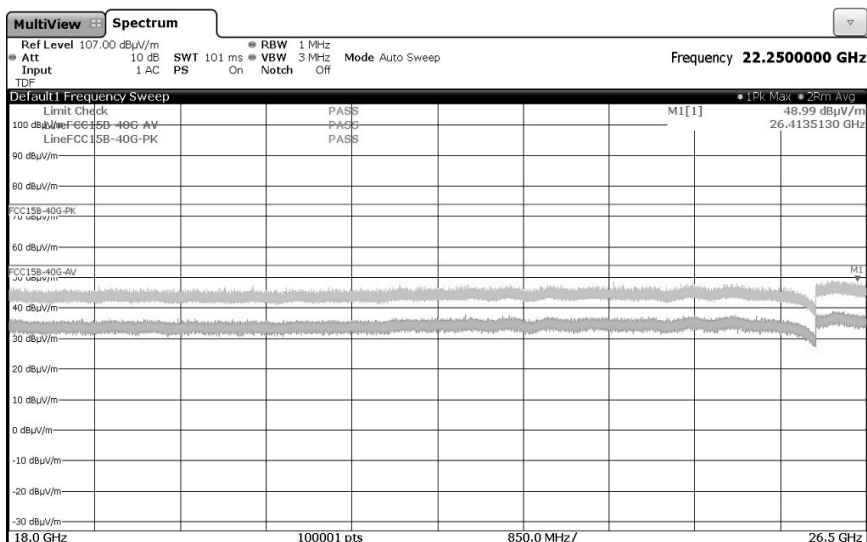
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal



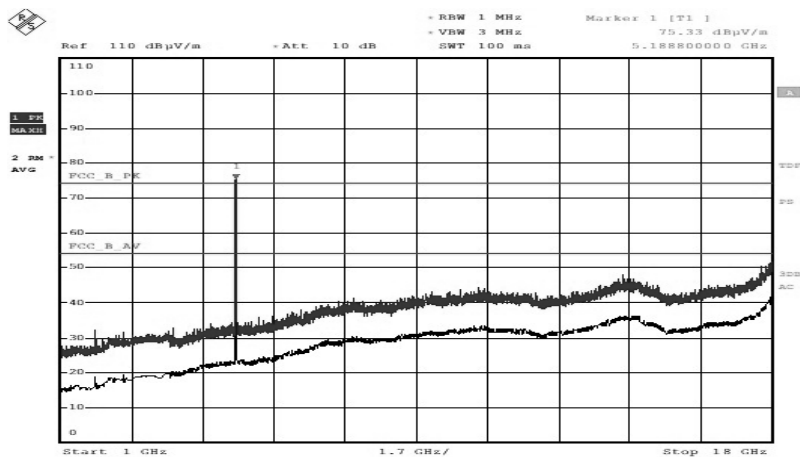
Polarity:Vertical



*802.11ac VHT40 Mode(was1)

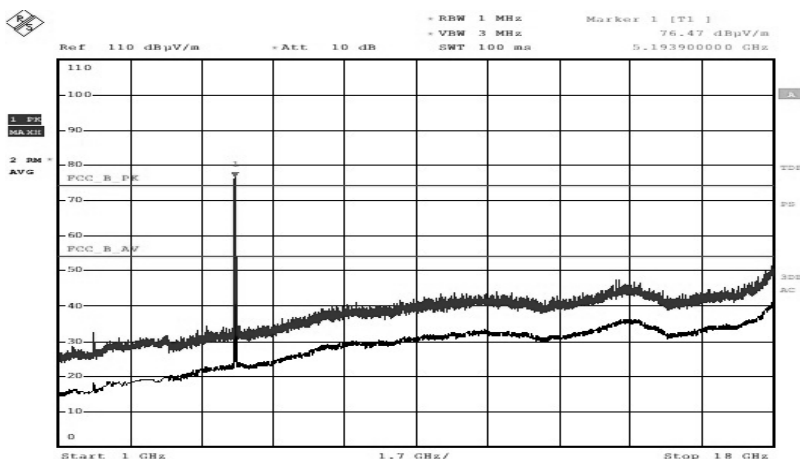
Band Edges(CH Low)

Polarity:Horizontal



ESTR-21-00231

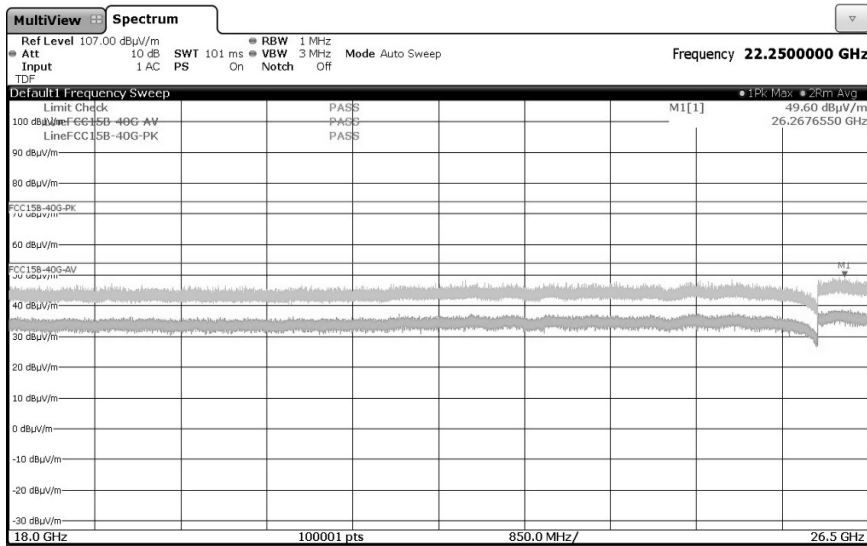
Polarity:Vertical



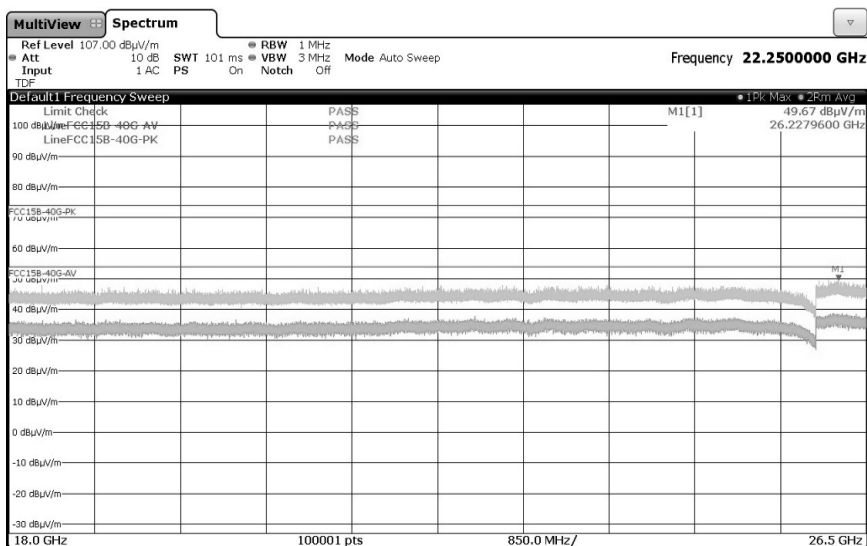
ESTR-21-00231

Band Edges(CH Low)

Polarity:Horizontal

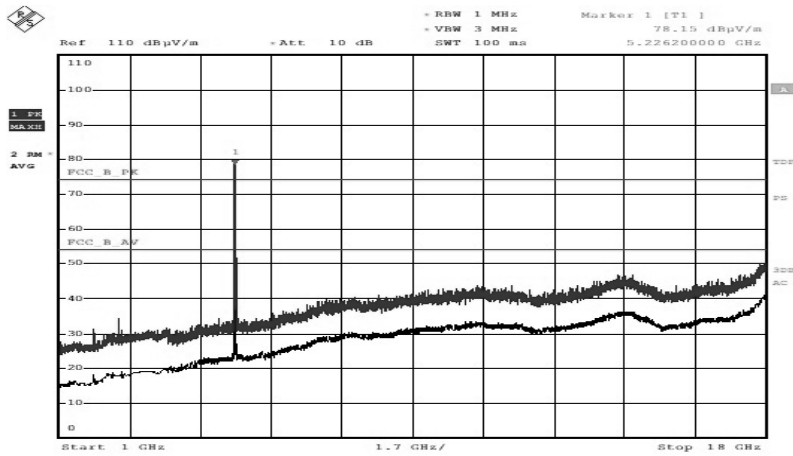


Polarity:Vertical



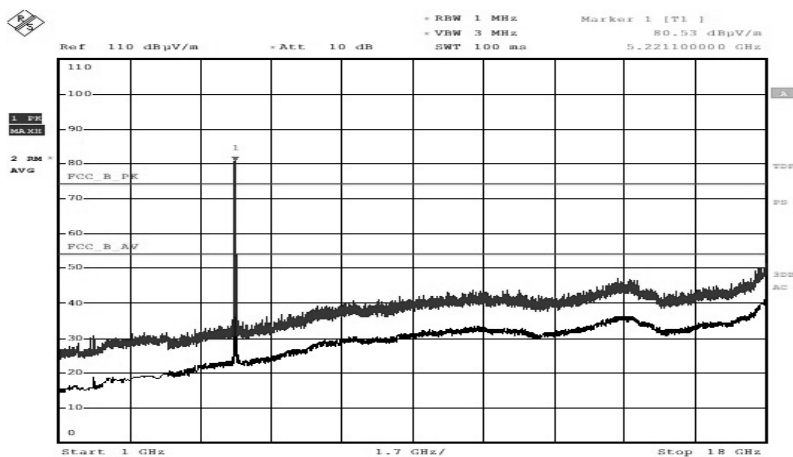
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00231

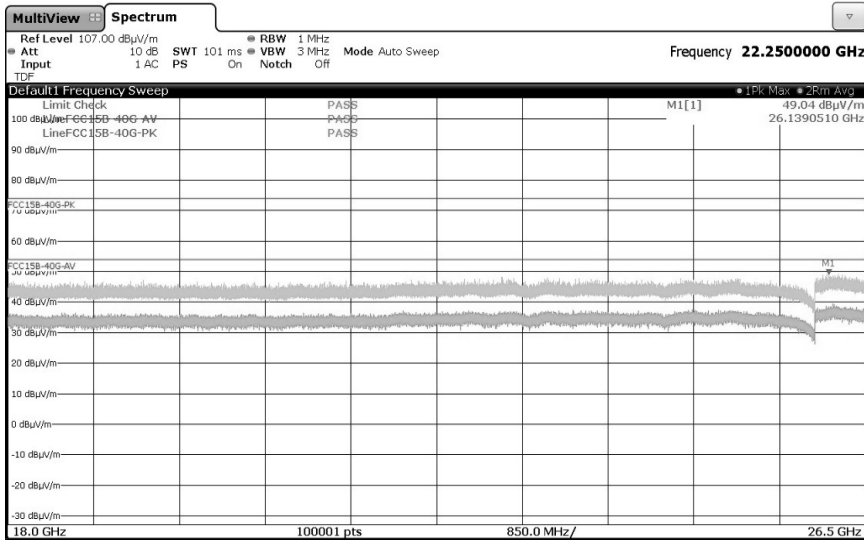
Polarity:Vertical



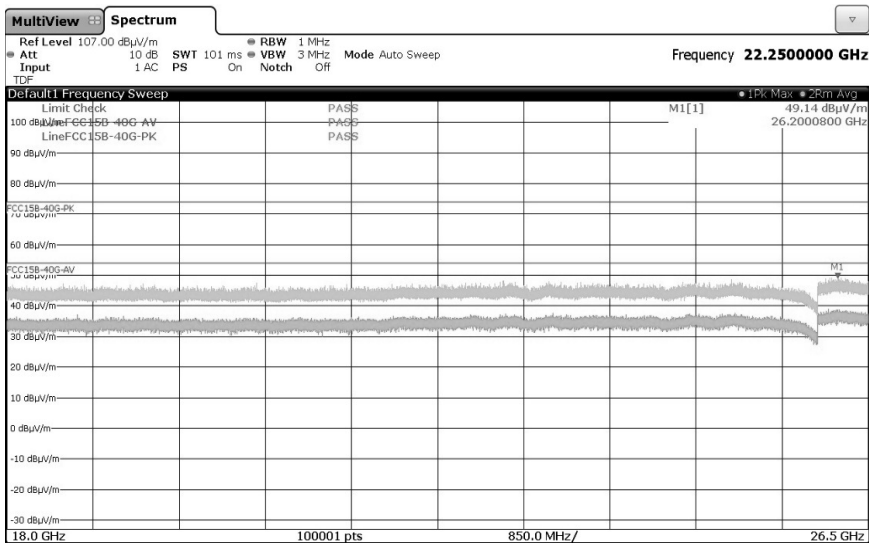
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal



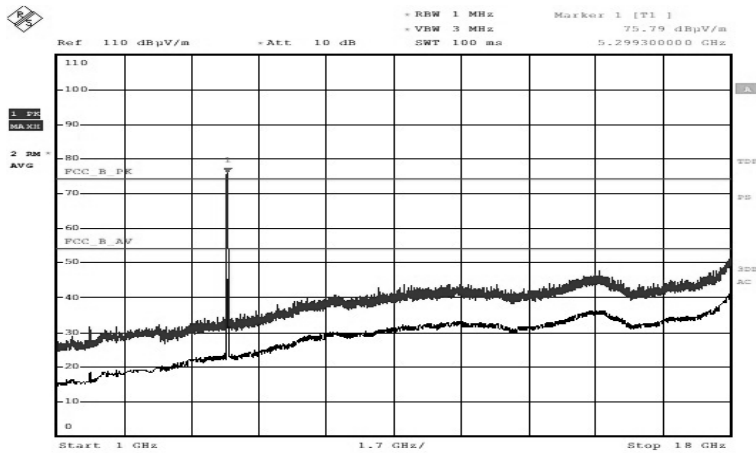
Polarity:Vertical



*802.11ac VHT40 Mode(was2)

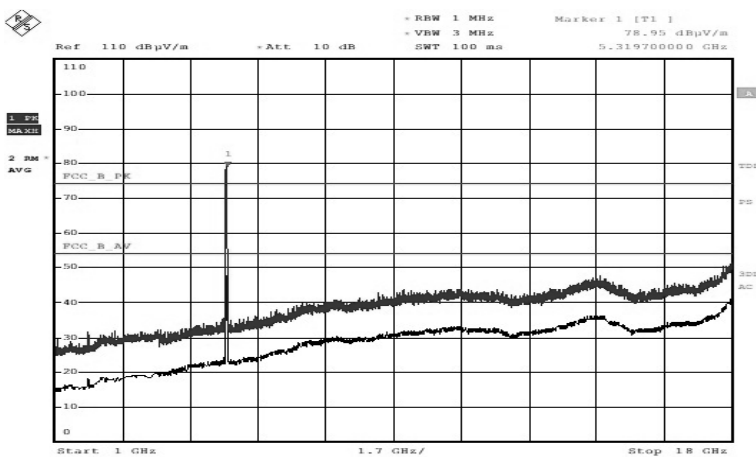
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00231

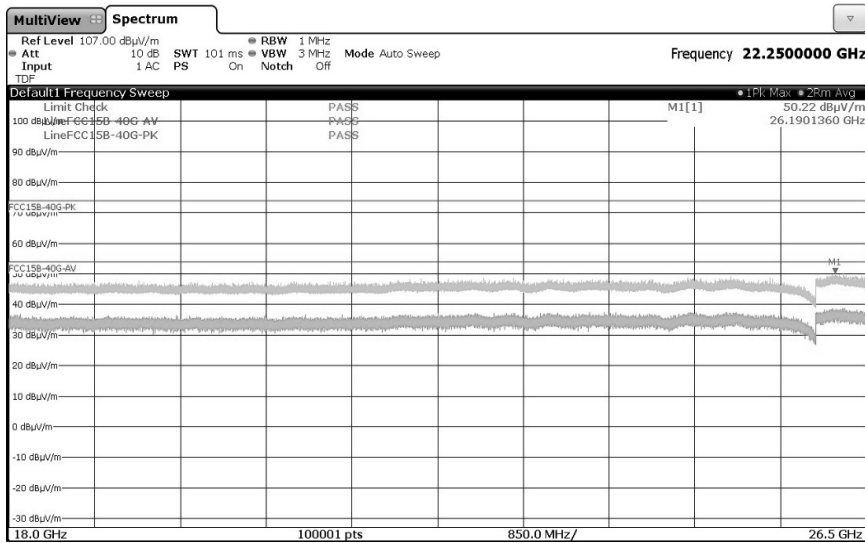
Polarity:Vertical



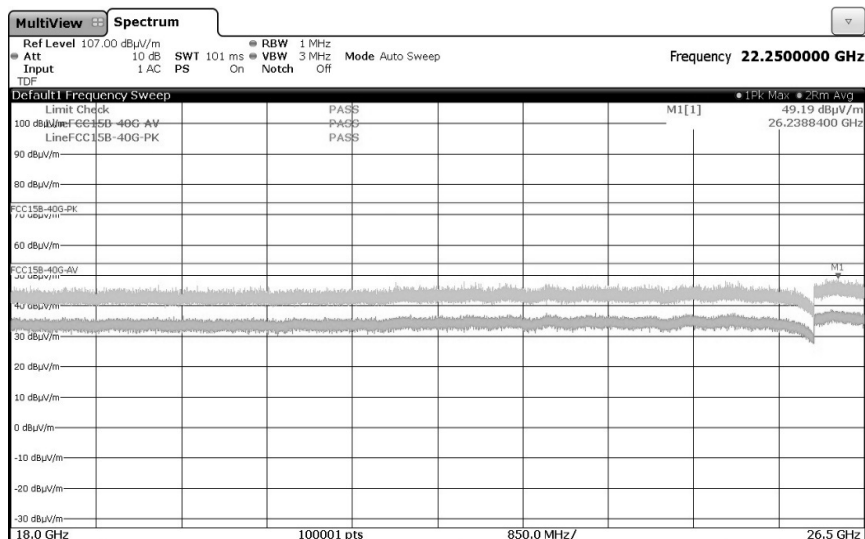
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal



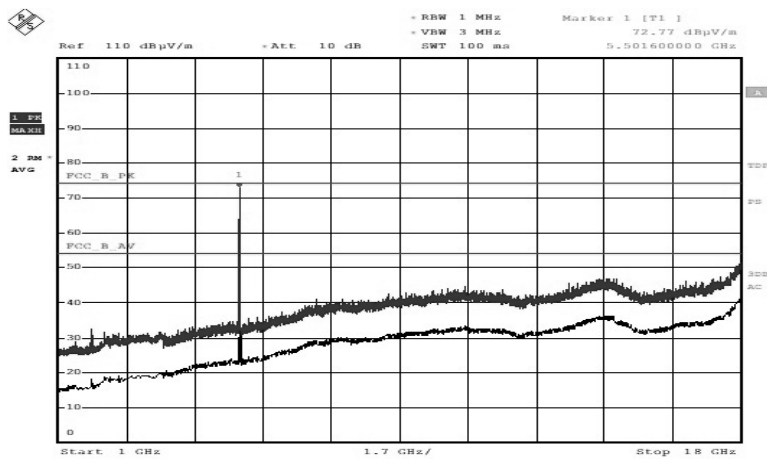
Polarity:Vertical



*802.11ac VHT40 Mode(was3)

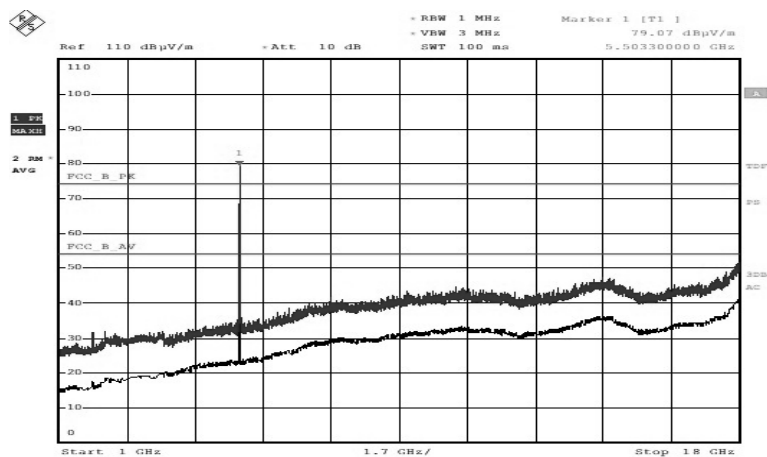
Band Edges(CH Low)

Polarity:Horizontal



ESTR-21-00231

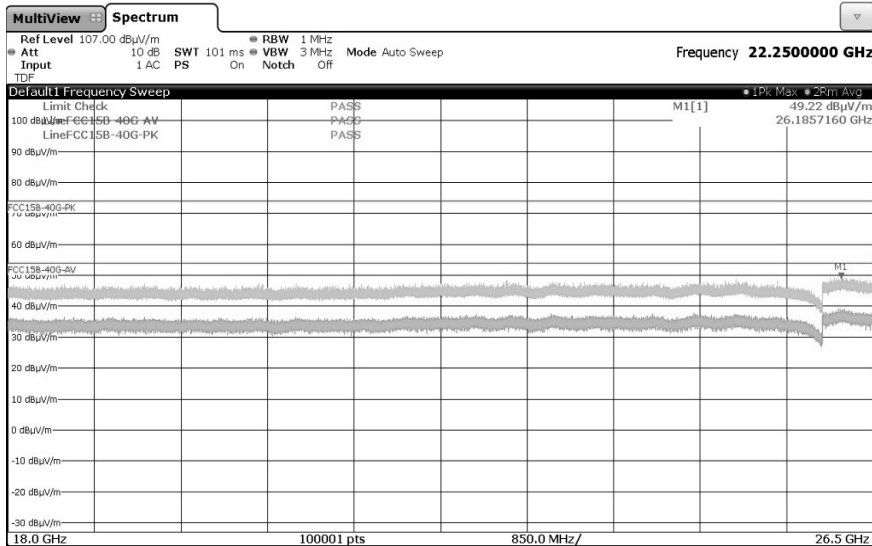
Polarity:Vertical



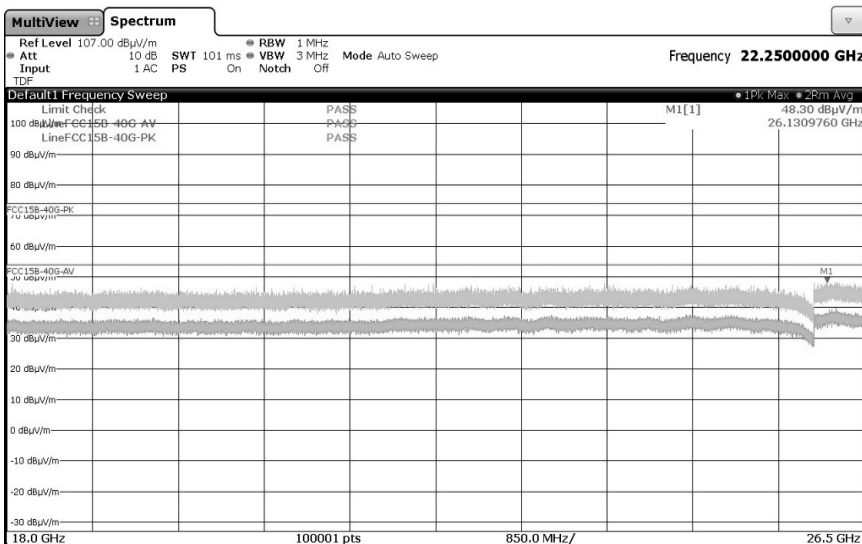
ESTR-21-00231

Band Edges(CH Low)

Polarity:Horizontal

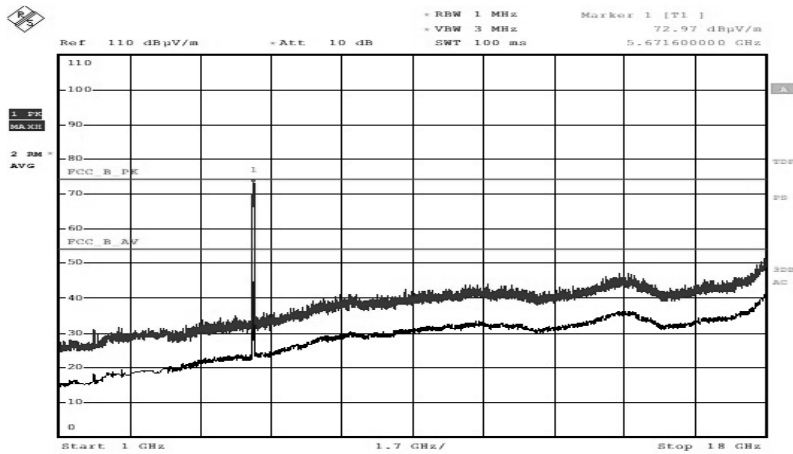


Polarity:Vertical



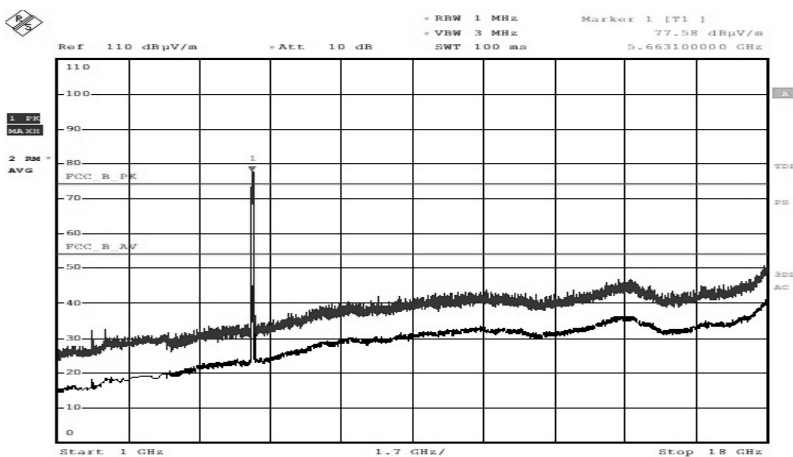
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00231

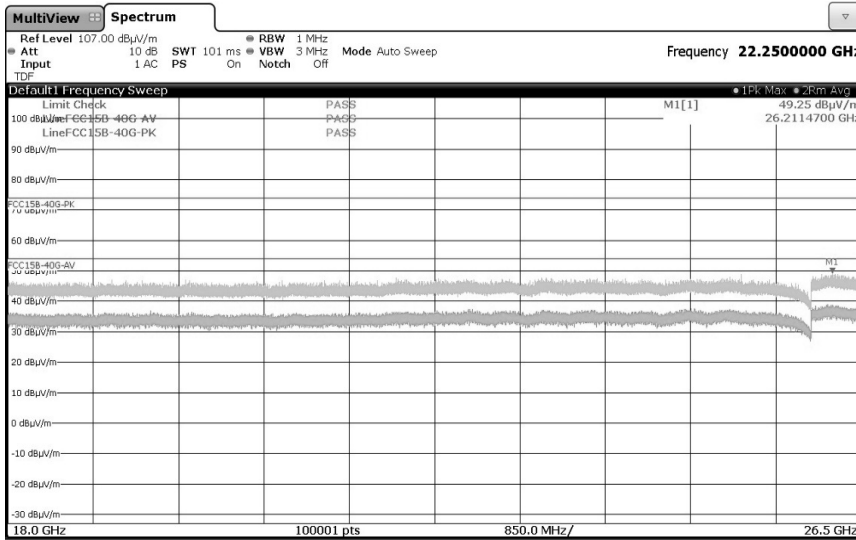
Polarity:Vertical



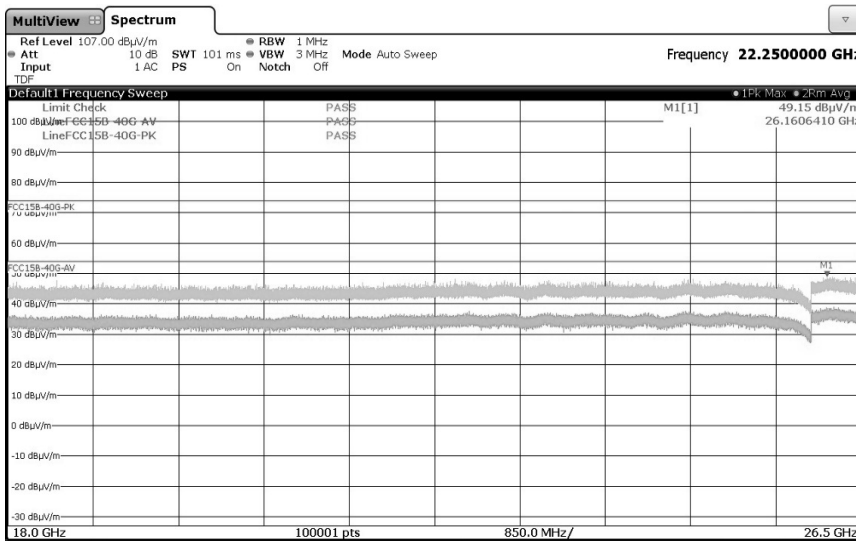
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal



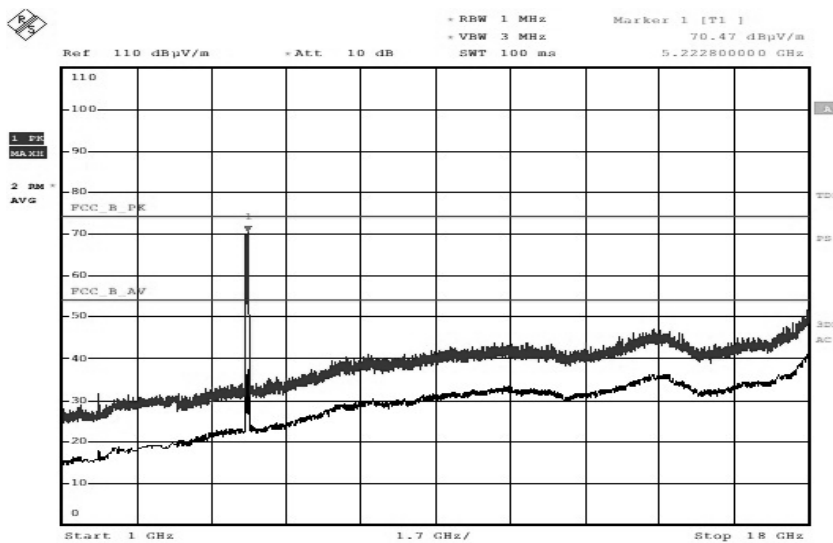
Polarity:Vertical



*802.11ac VHT80 Mode(was1)

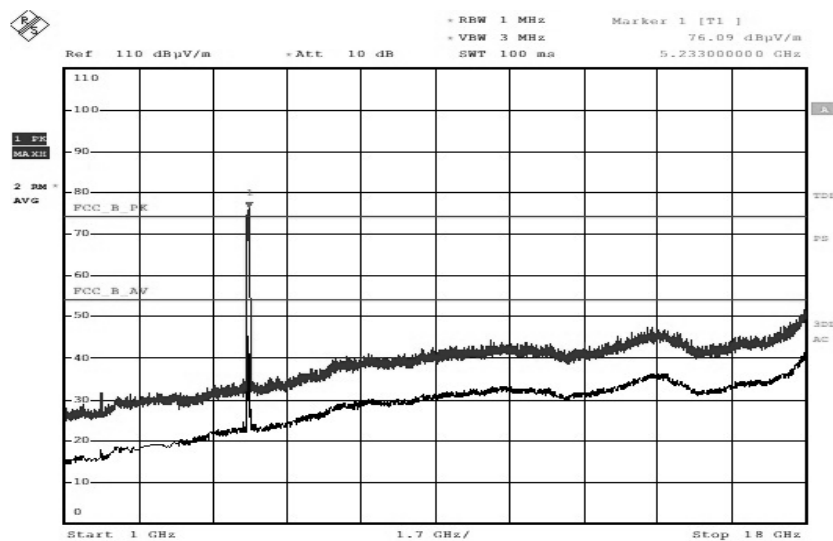
Band Edges(CH Low)

Polarity:Horizontal



ESTR-21-00231

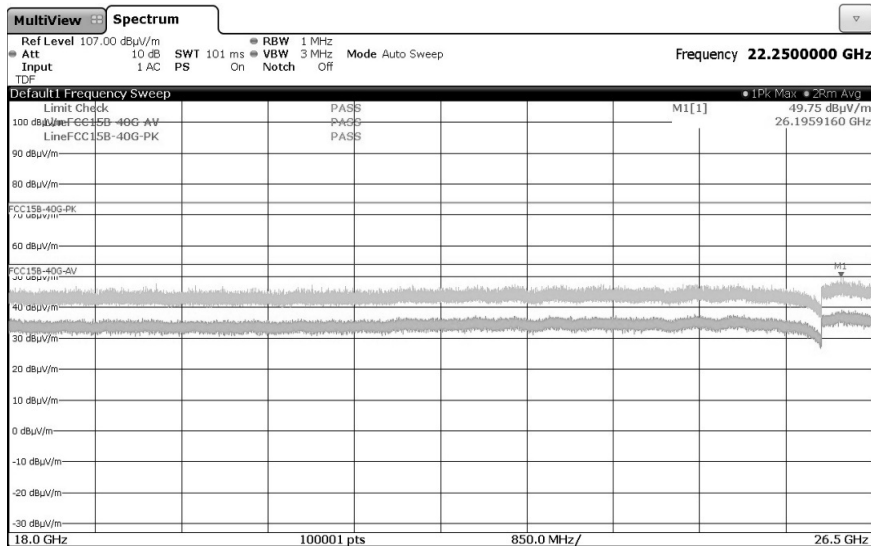
Polarity:Vertical



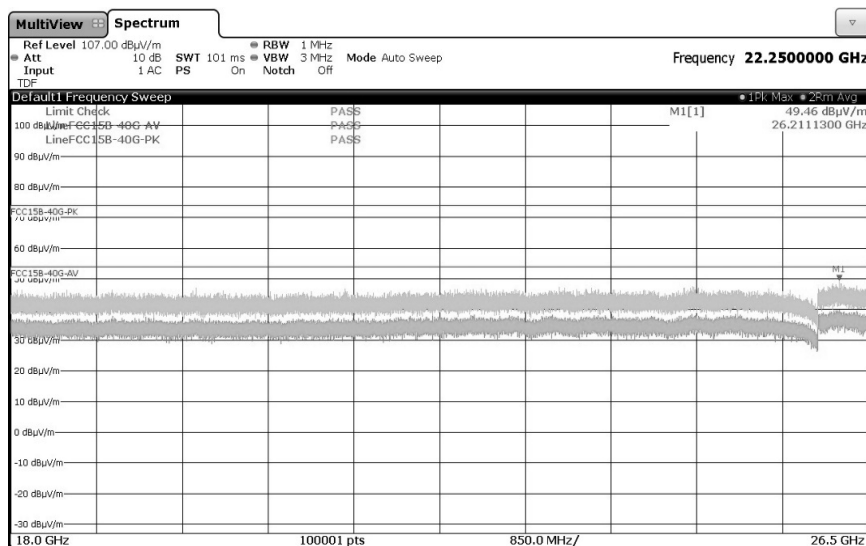
ESTR-21-00231

Band Edges(CH Low)

Polarity:Horizontal



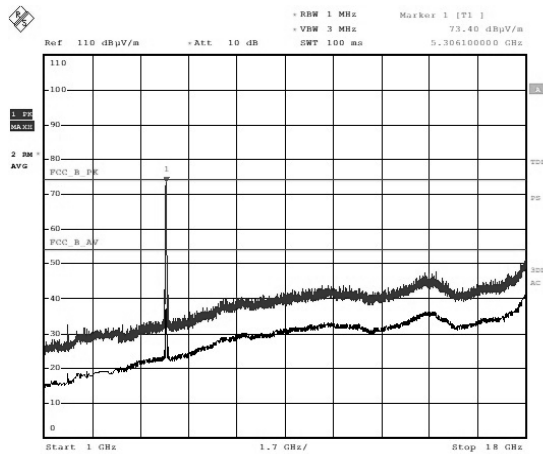
Polarity:Vertical



*802.11ac VHT80 Mode(was2)

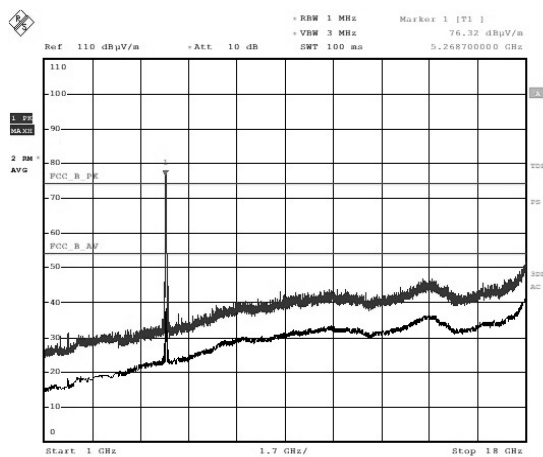
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00231

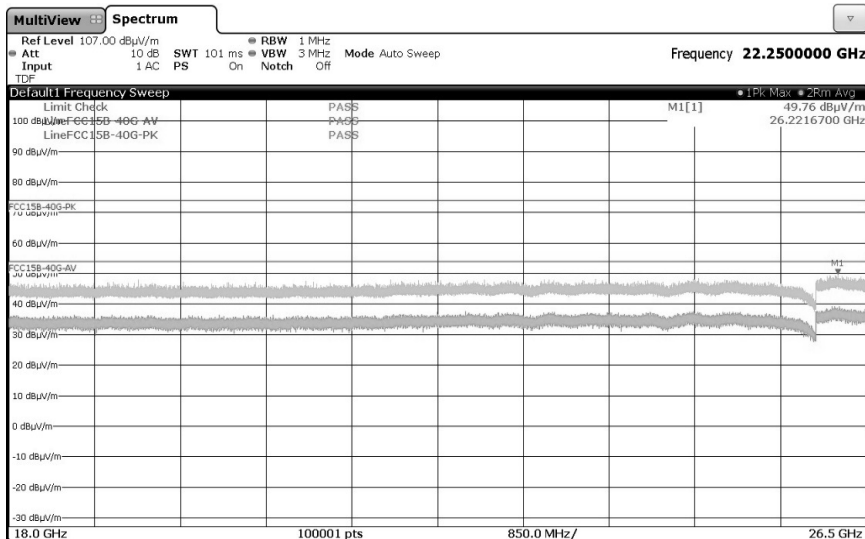
Polarity:Vertical



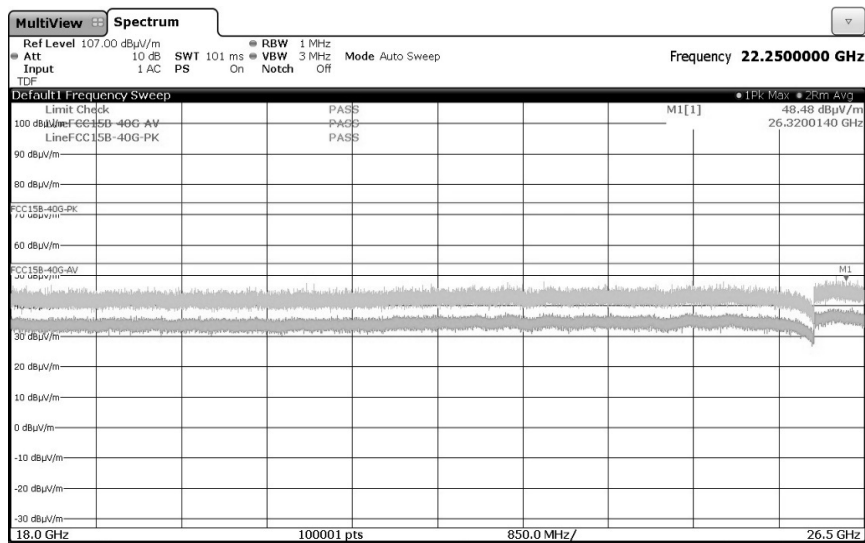
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal



Polarity:Vertical



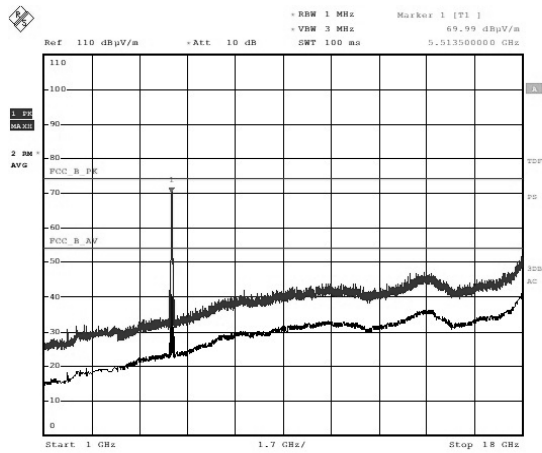


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*802.11ac VHT80 Mode(was3)

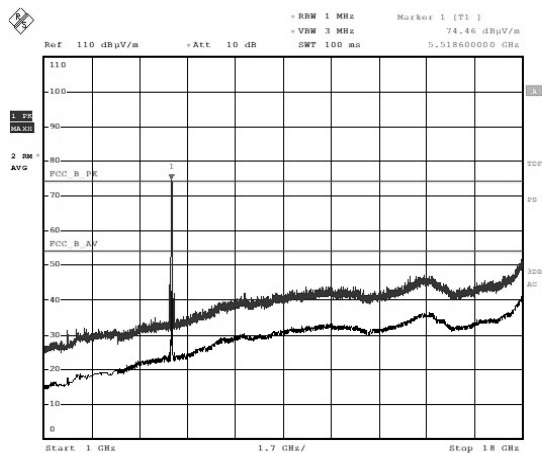
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00221

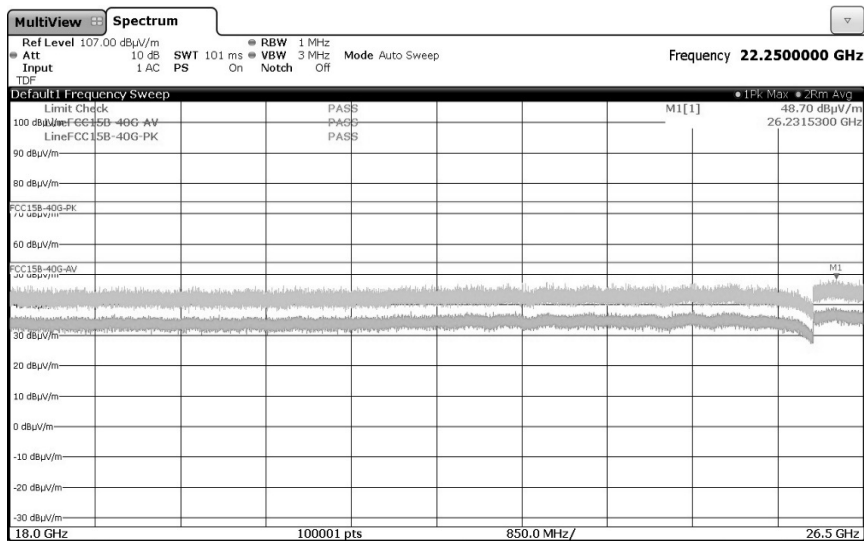
Polarity:Vertical



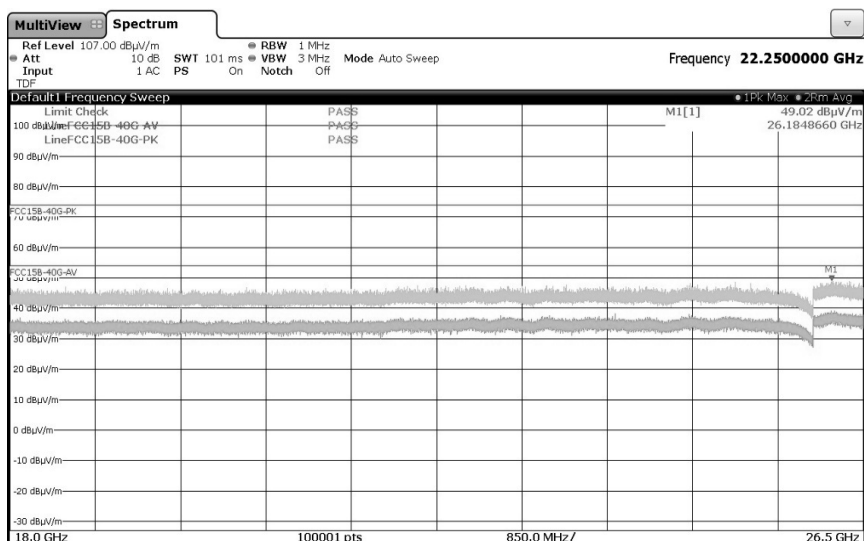
ESTR-21-00221

Band Edges(CH High)

Polarity:Horizontal

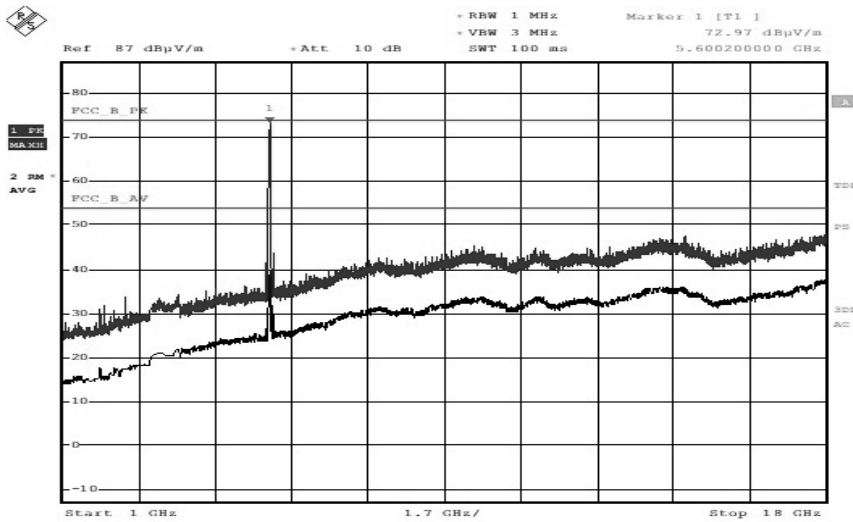


Polarity:Vertical



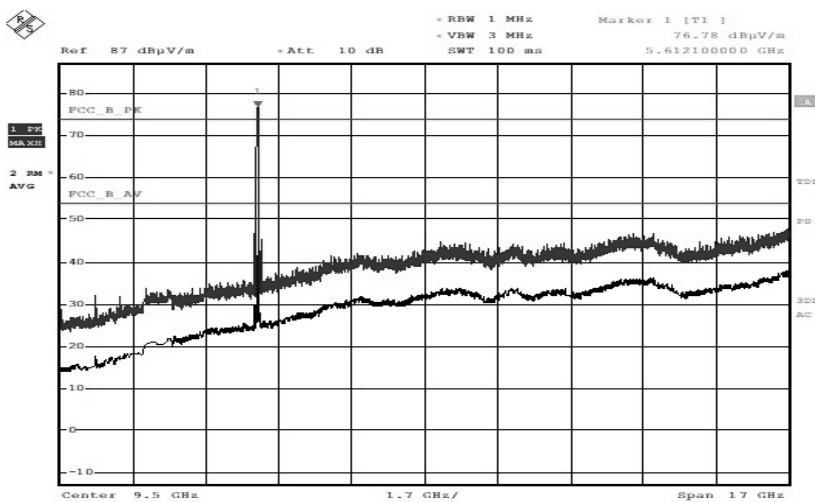
Band Edges(CH High)

Polarity:Horizontal



ESTR-21-00231

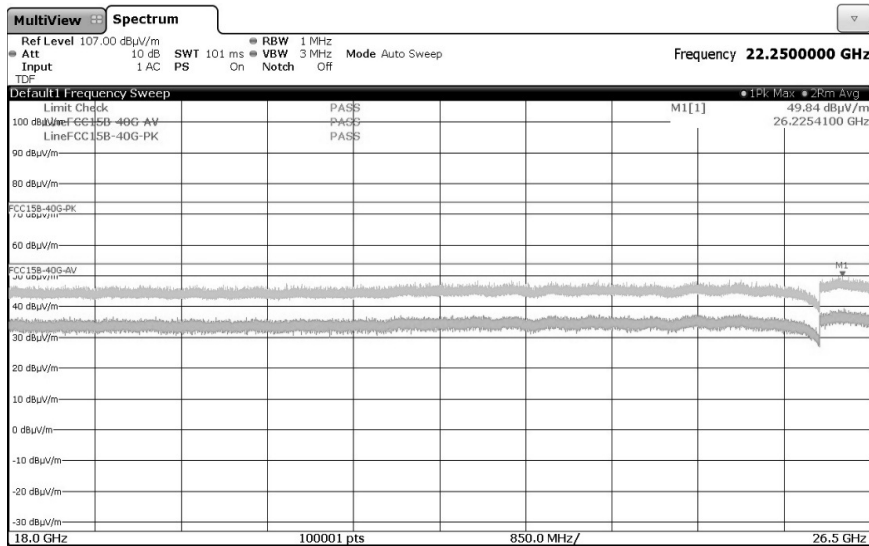
Polarity:Vertical



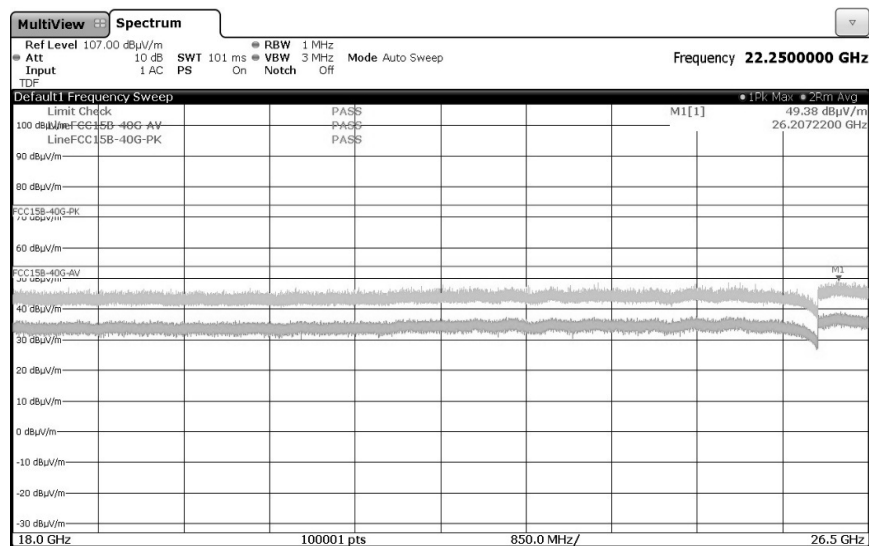
ESTR-21-00231

Band Edges(CH High)

Polarity:Horizontal

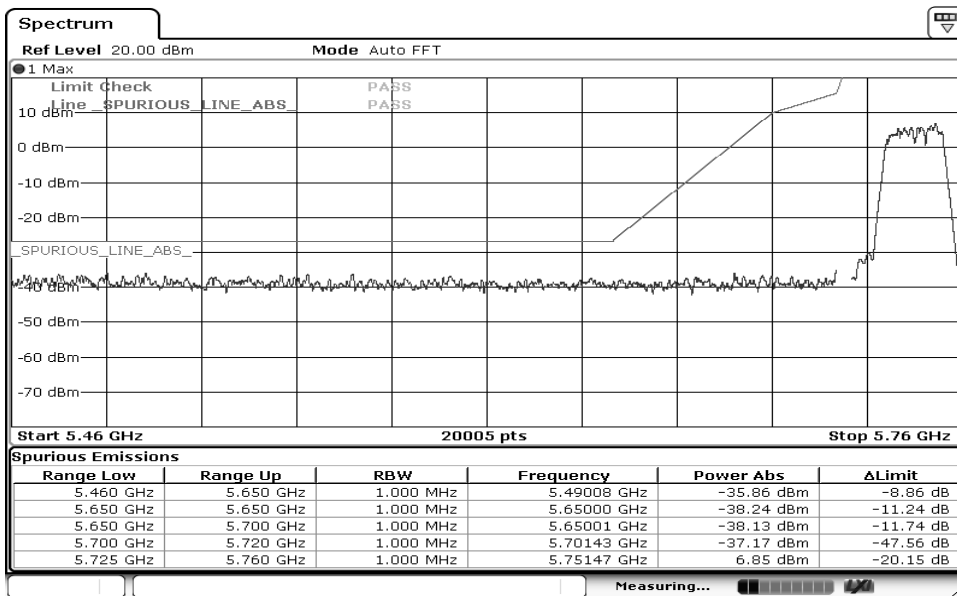


Polarity:Vertical

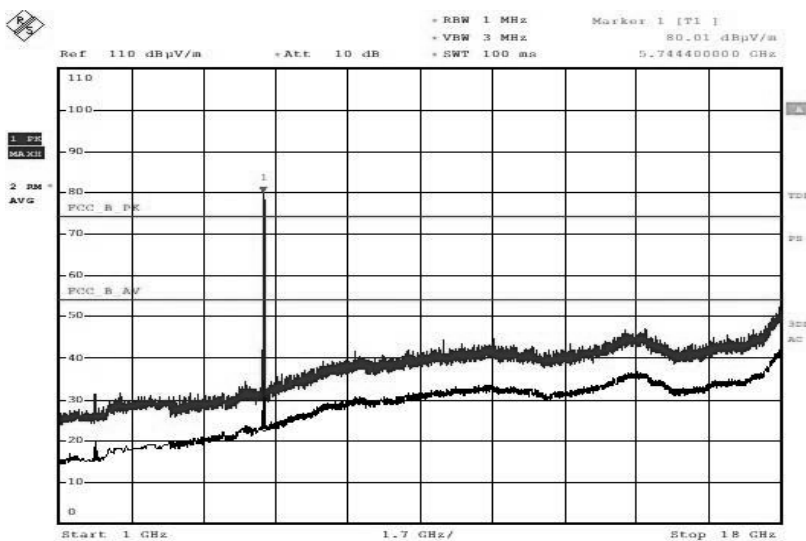


*802.11a Mode(was4)

Band Edges(CH 149)

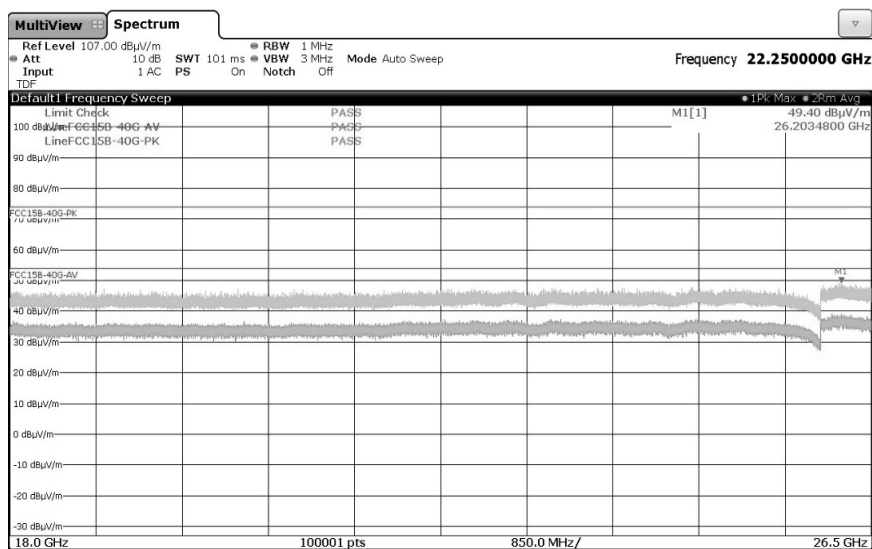


00231

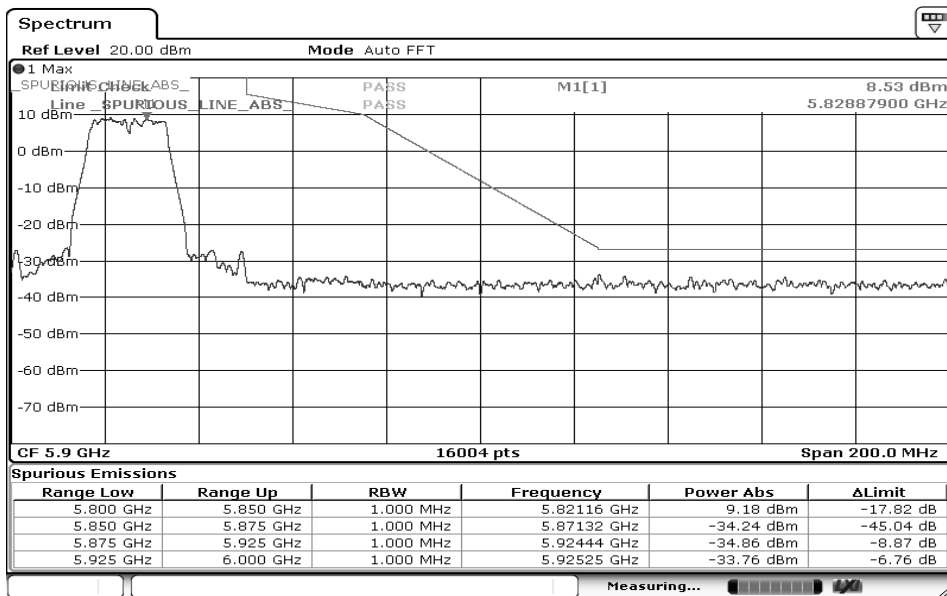


ESTR-21-00231

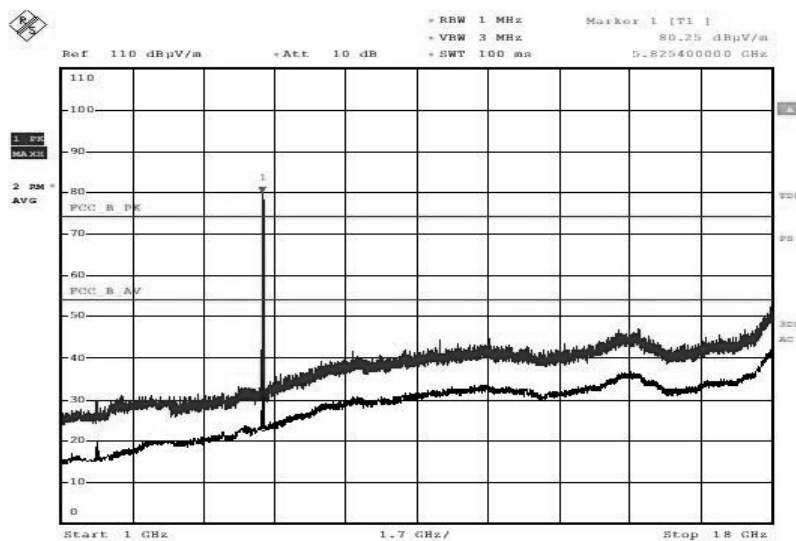
Band Edges(CH 149)



Band Edges(CH 165)

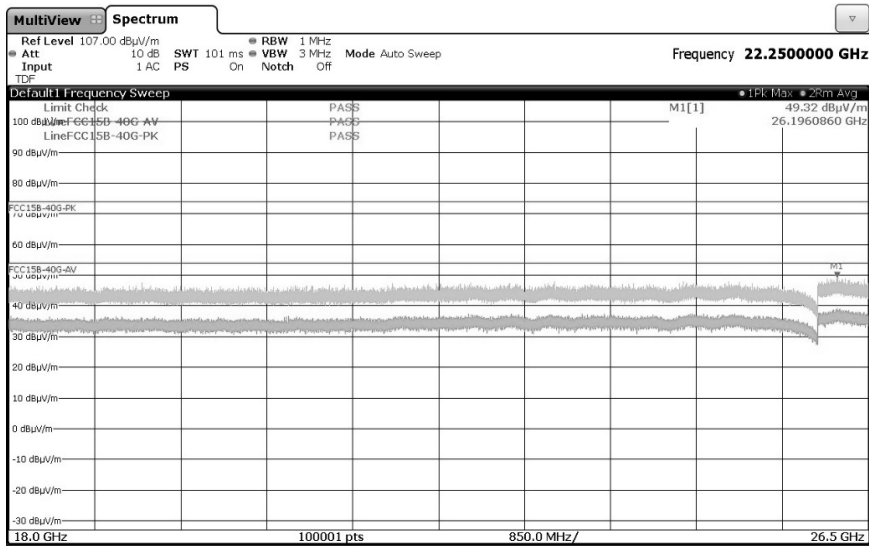


00231



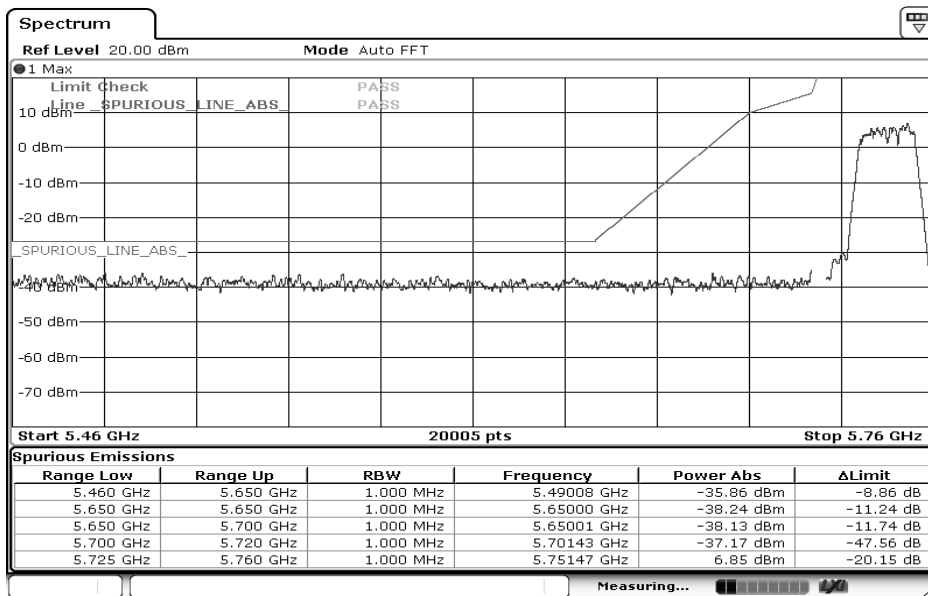
ESTR-21-00231

Band Edges(CH 165)

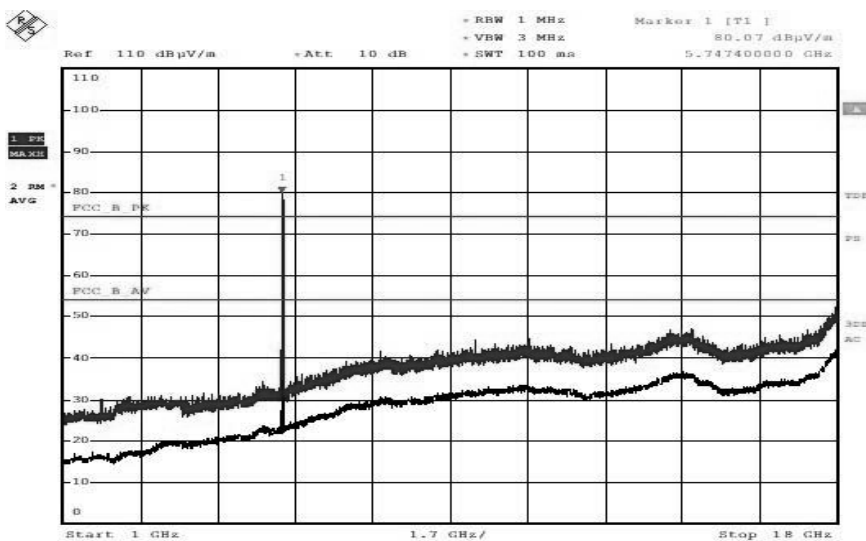


*802.11n HT20 Mode(was4)

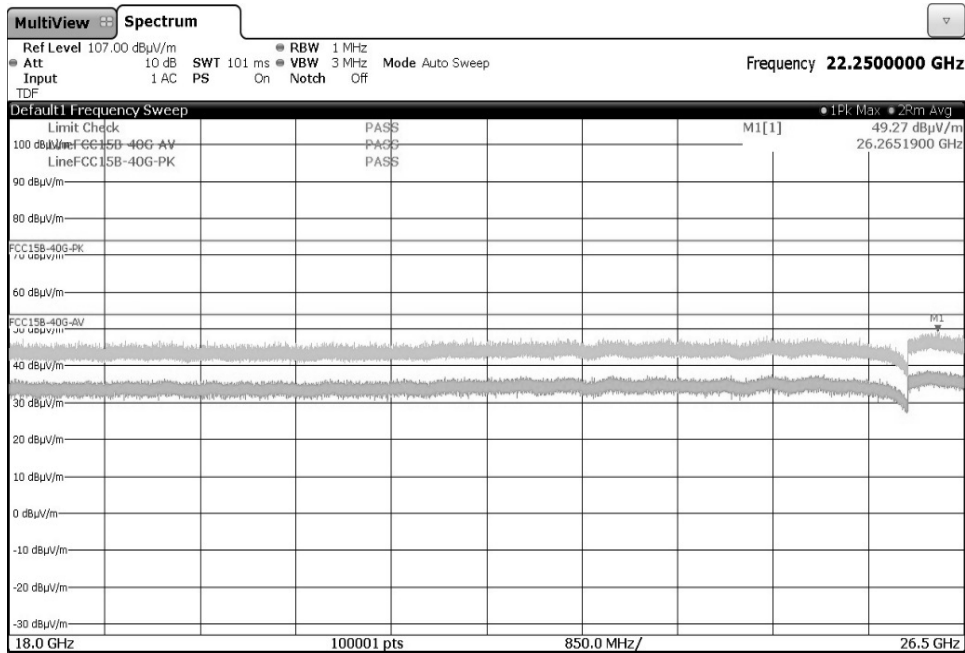
Band Edges(CH 149)



00231



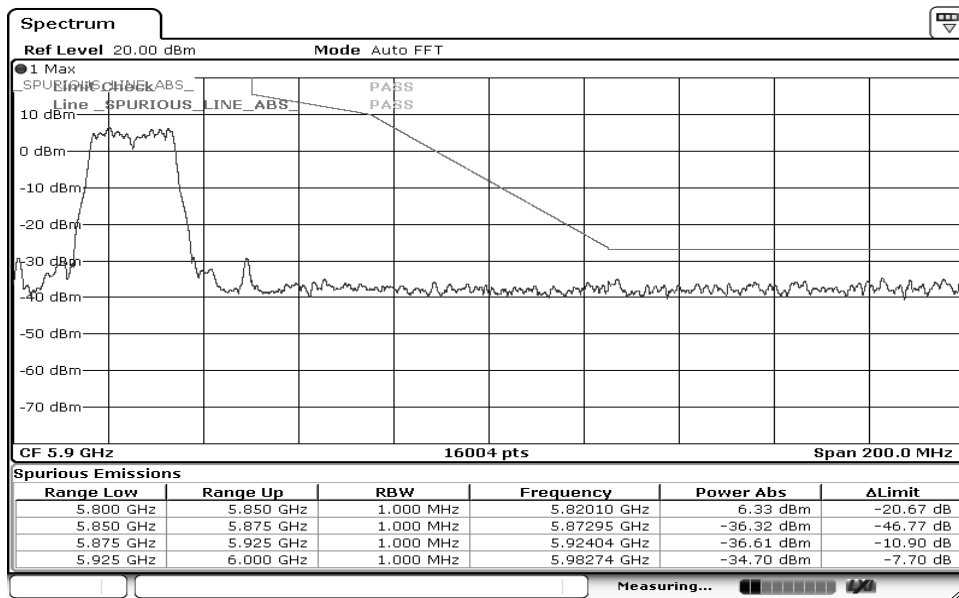
Band Edges(CH 149)



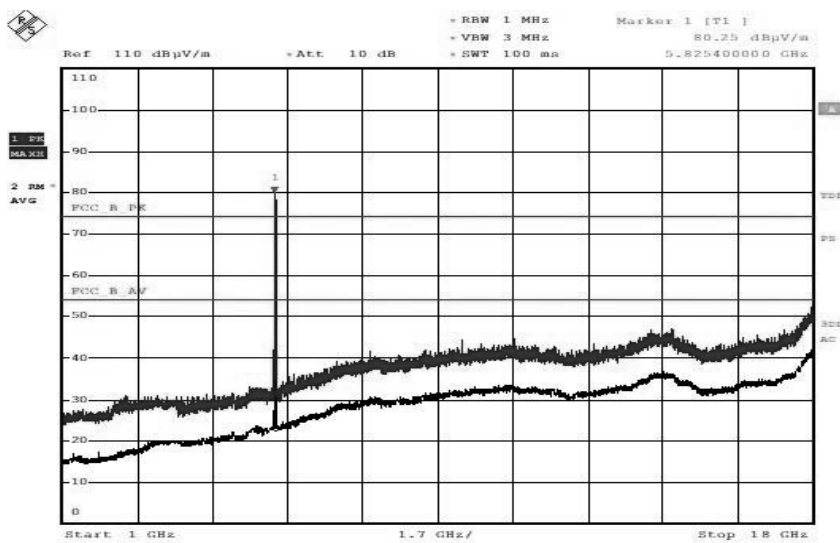


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Band Edges(CH 165)

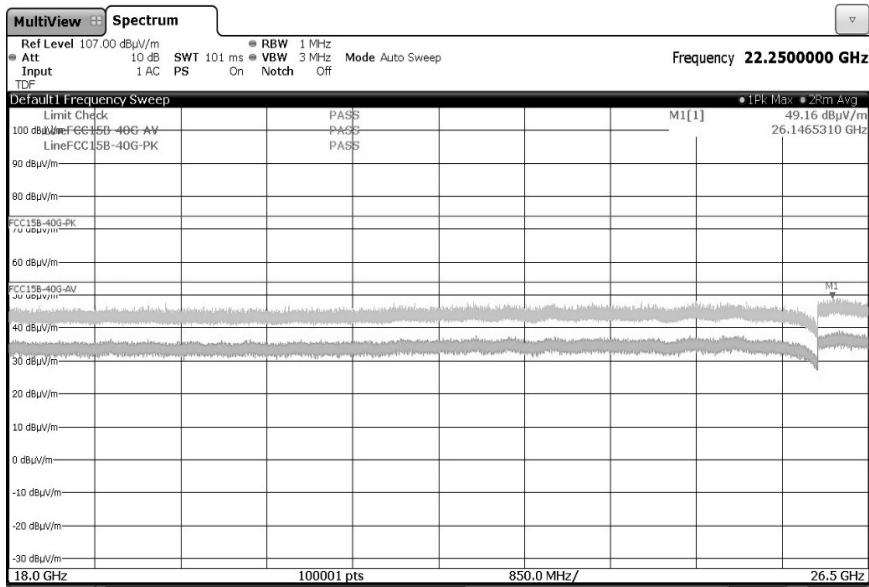


00231



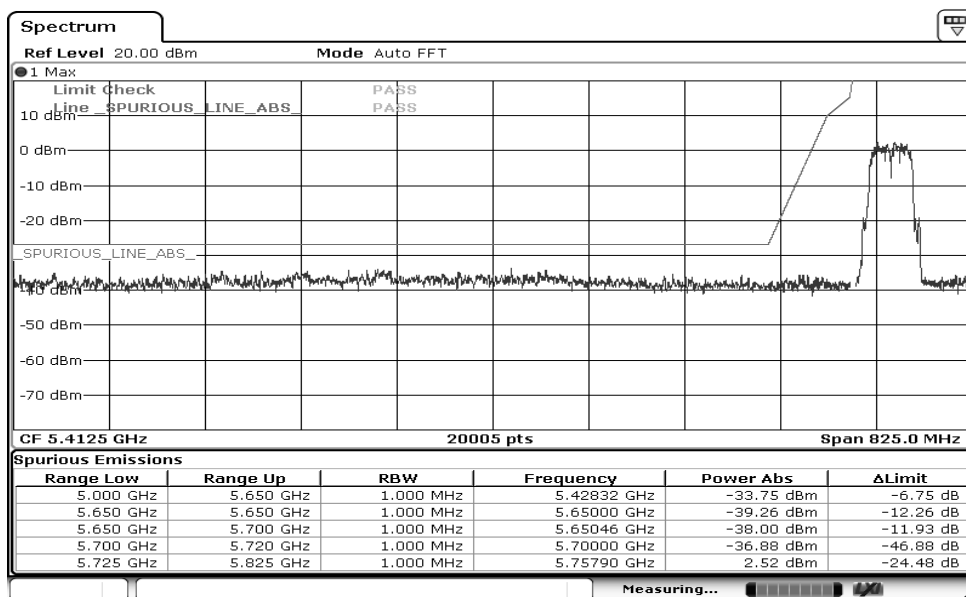
ESTR-21-00231

Band Edges(CH 165)

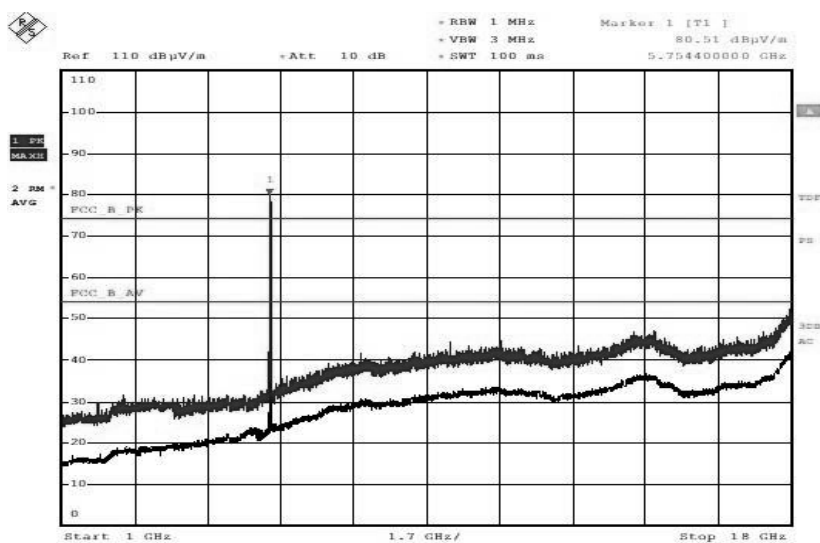


*802.11n HT40 Mode(was4)

Band Edges(CH 151)

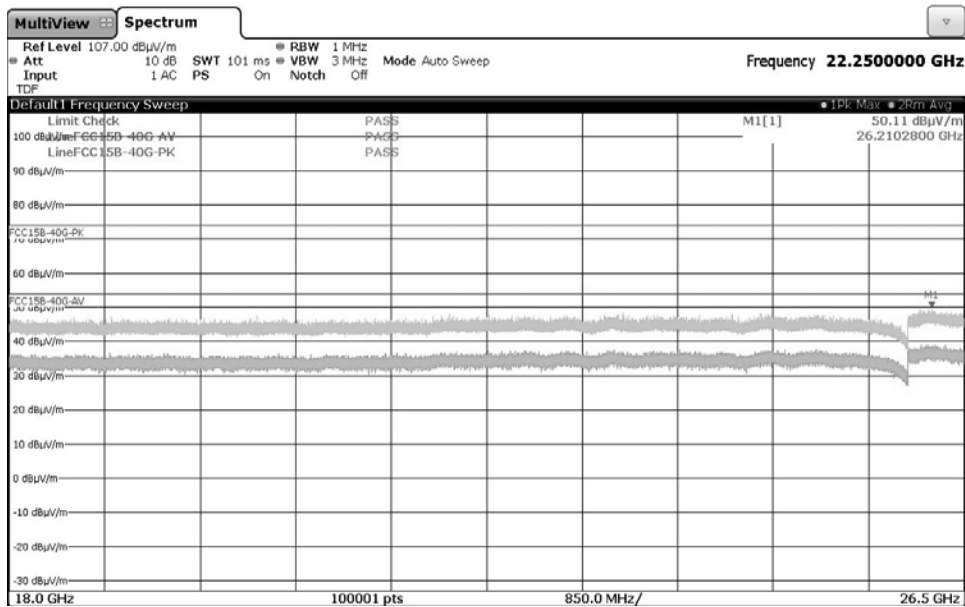


00231

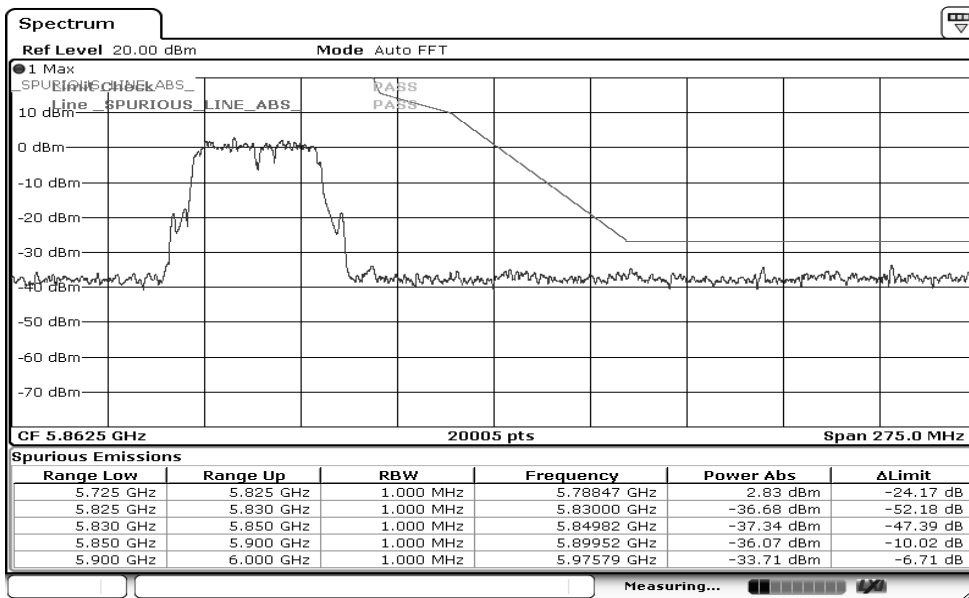


ESTR-21-00231

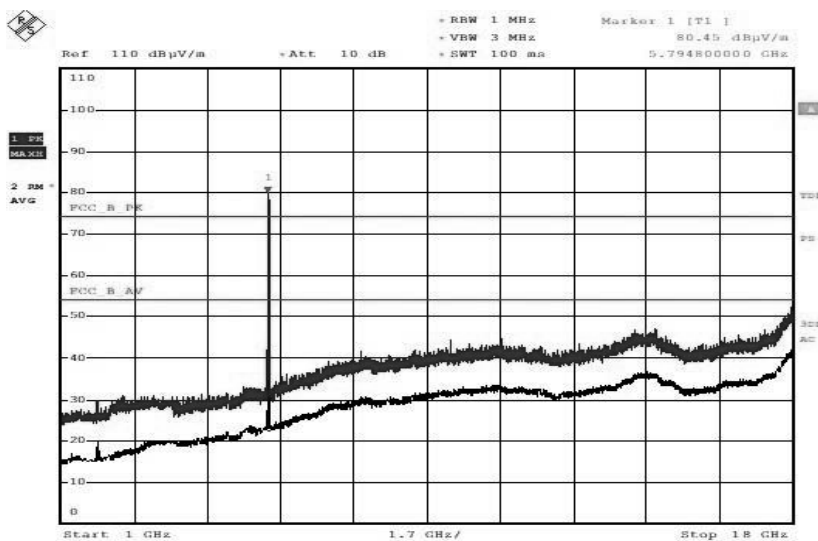
Band Edges(CH 151)



Band Edges(CH 159)

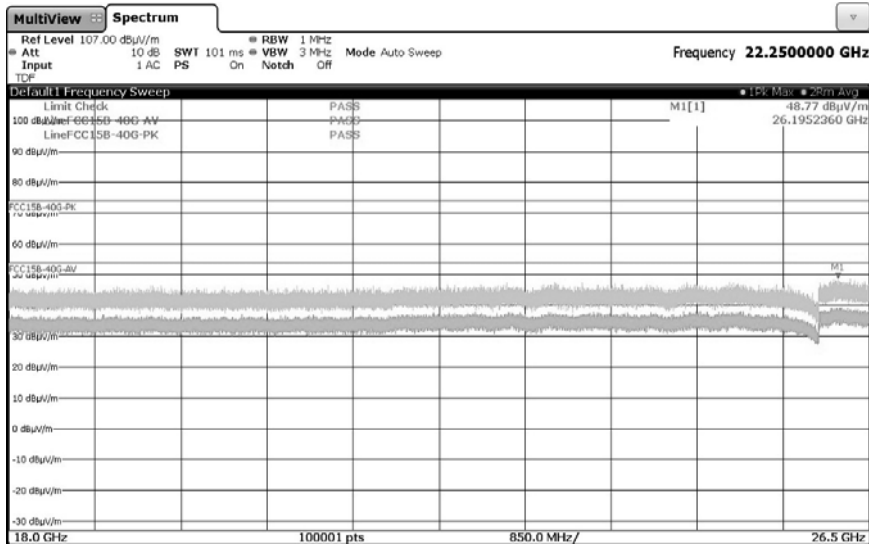


00231

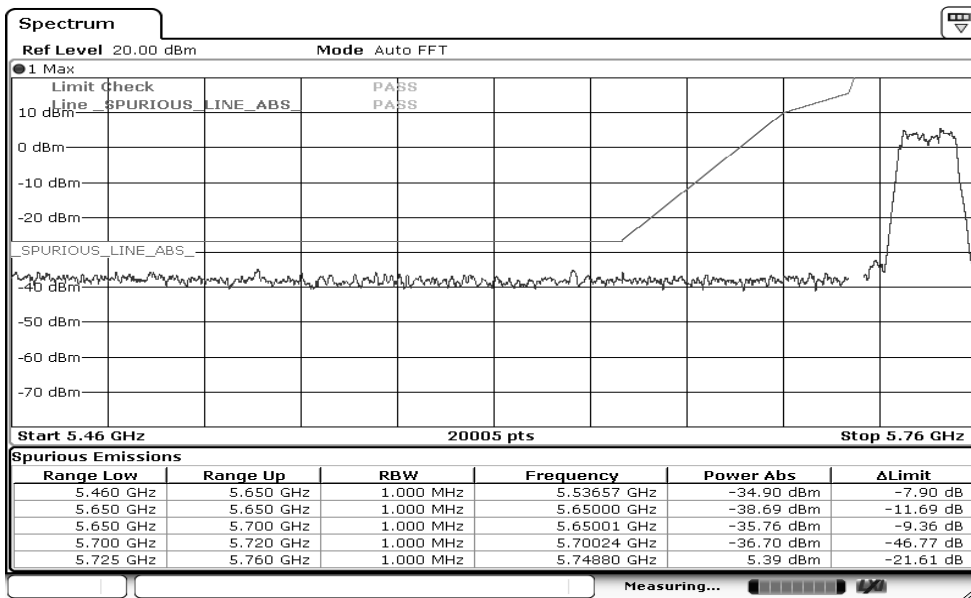


ESTR-21-00231

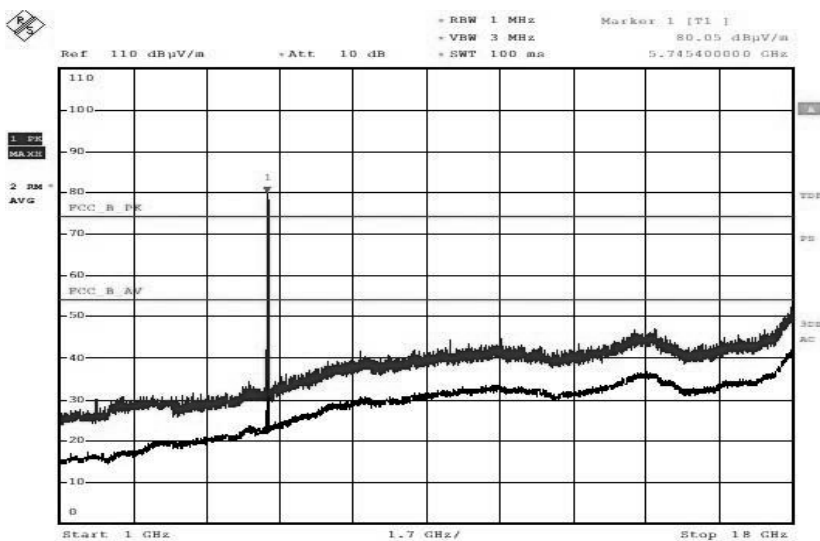
Band Edges(CH 159)



*802.11ac VHT20 Mode(was4)
Band Edges(CH 149)

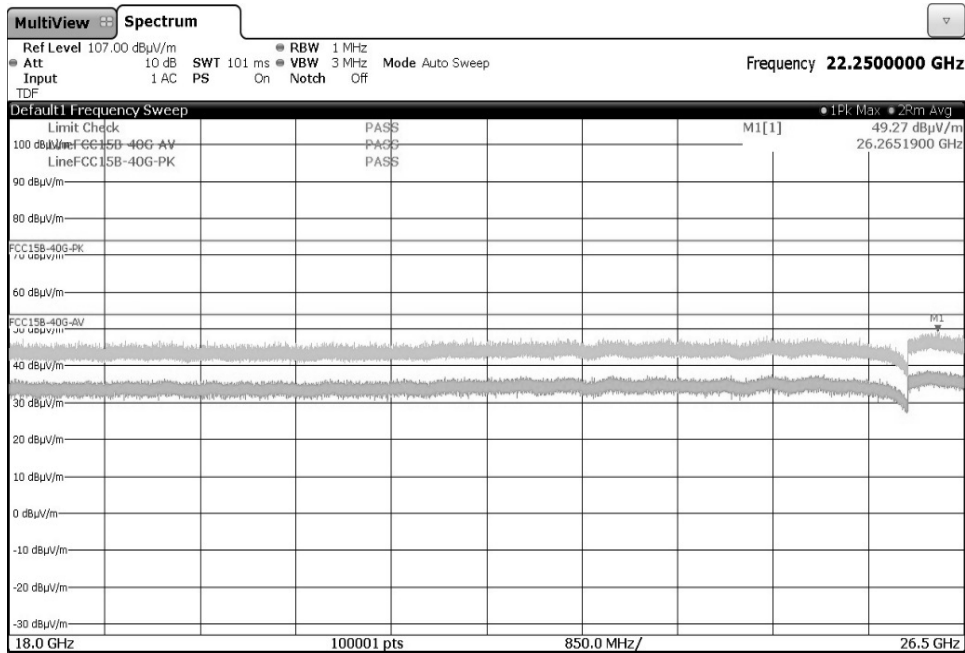


00231



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Band Edges(CH 149)



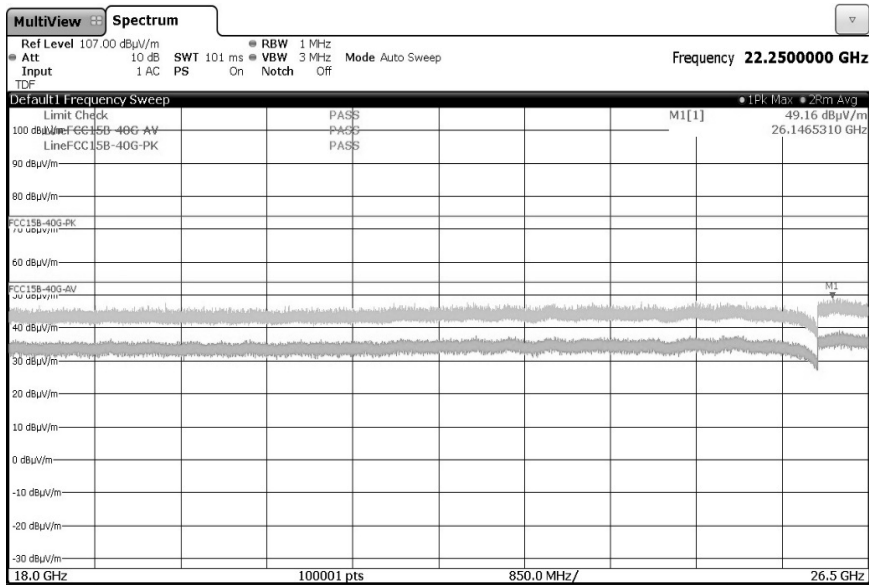
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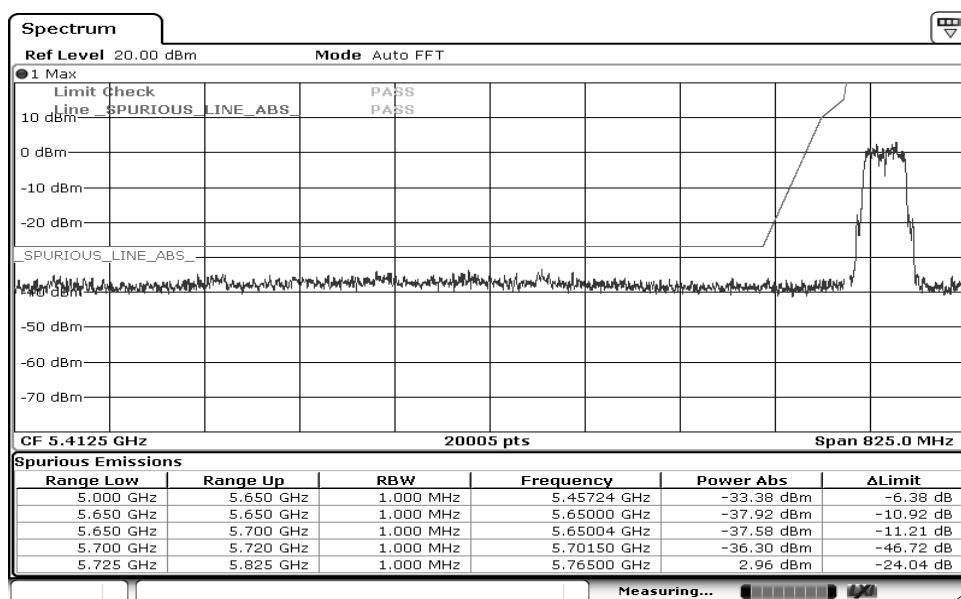
ESTR-21-00231

Band Edges(CH 165)

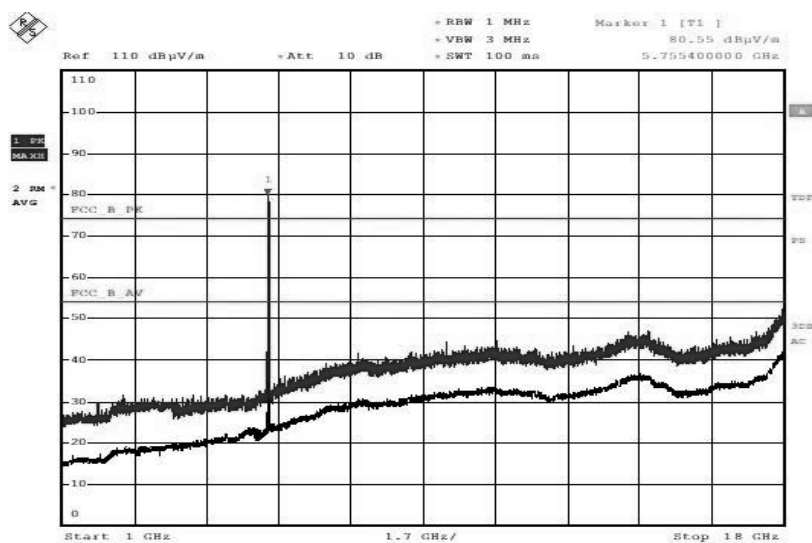


*802.11ac VHT40 Mode(was4)

Band Edges(CH 151)

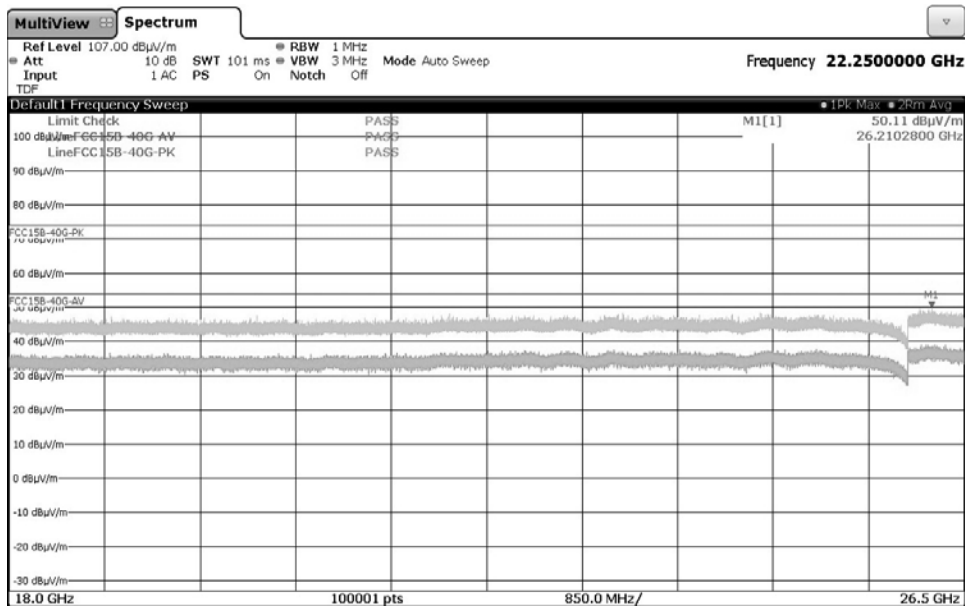


00231

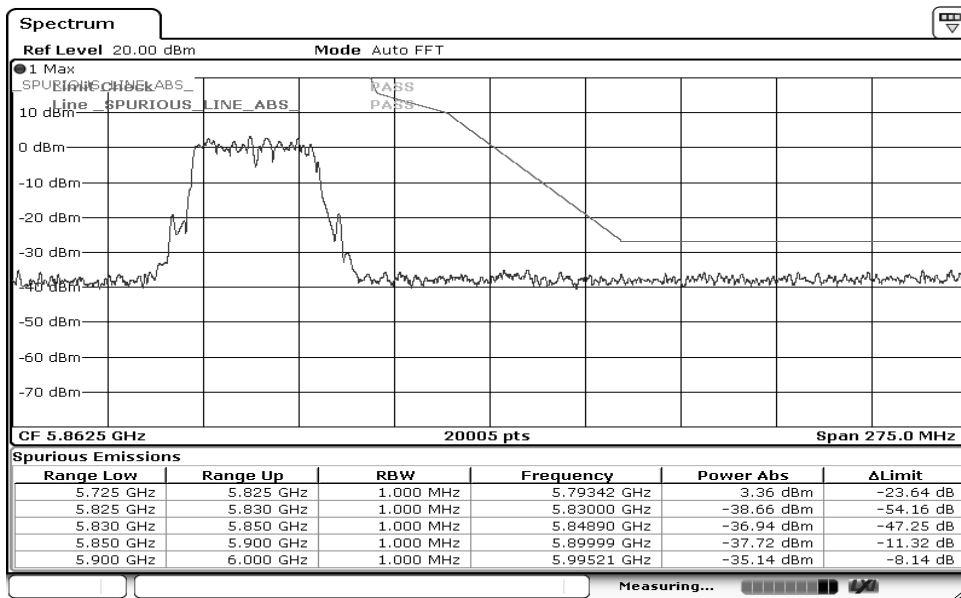


ESTR-21-00231

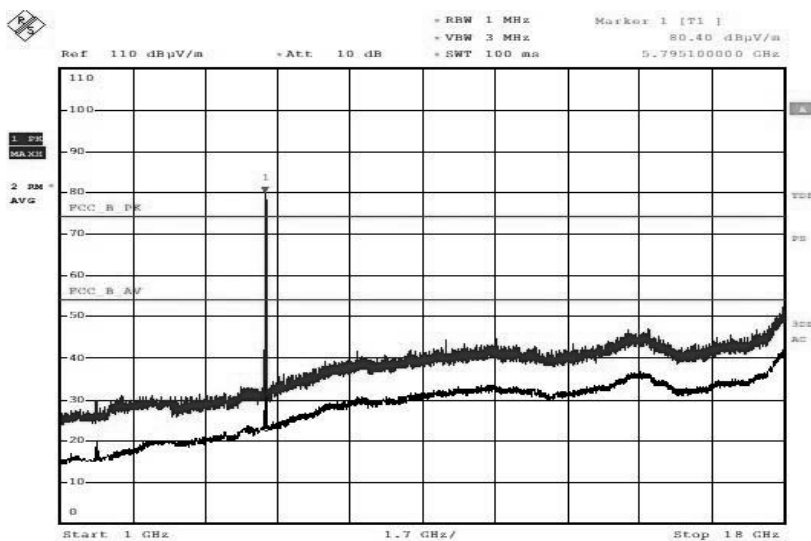
Band Edges(CH 151)



Band Edges(CH 159)

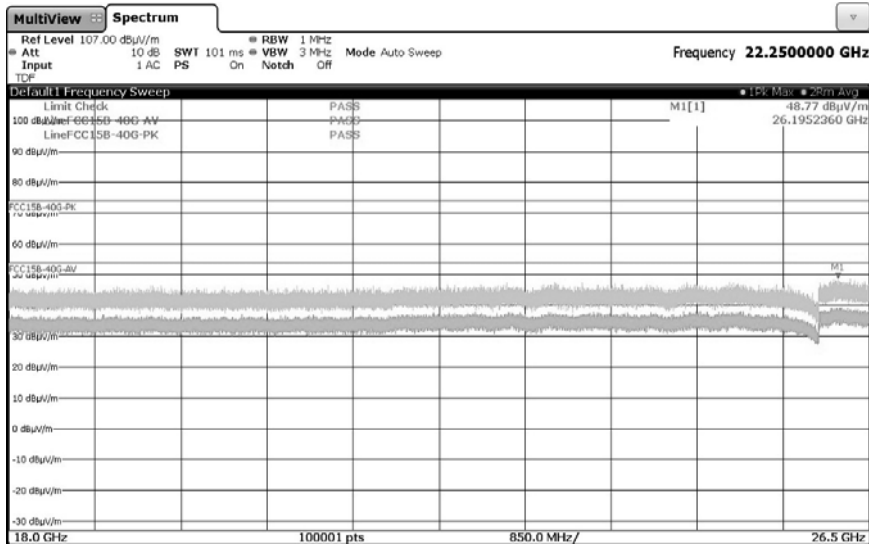


00231



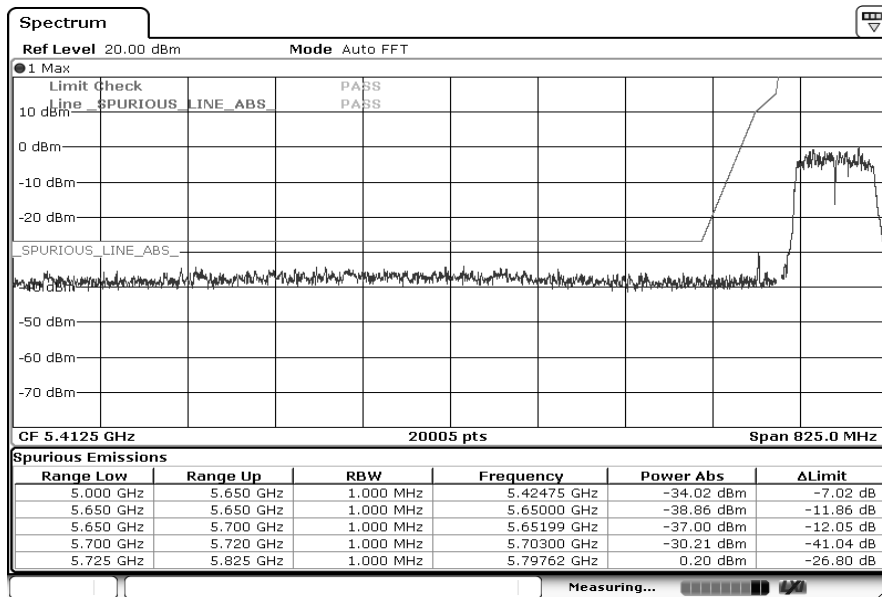
ESTR-21-00231

Band Edges(CH 159)

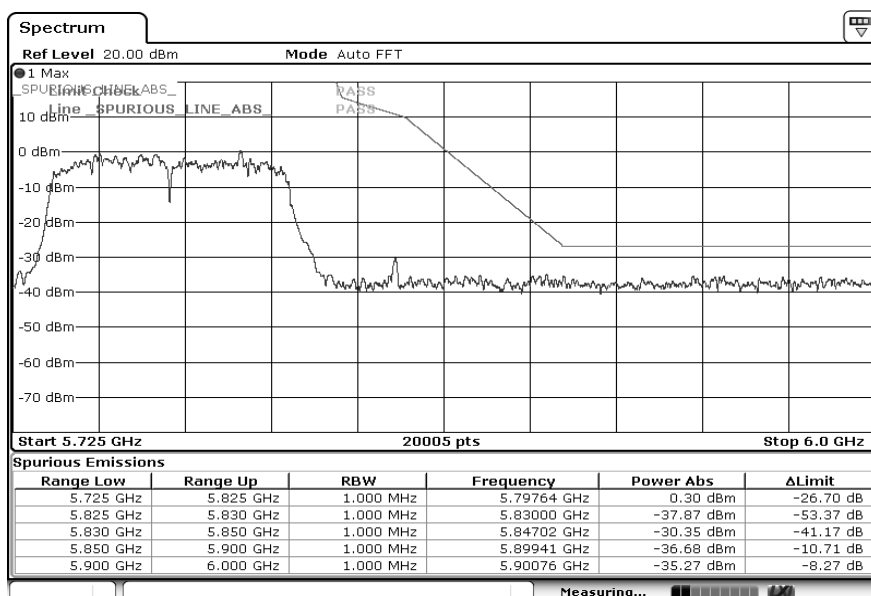


*802.11ac VHT80 Mode(was4)

Band Edges(CH 155)

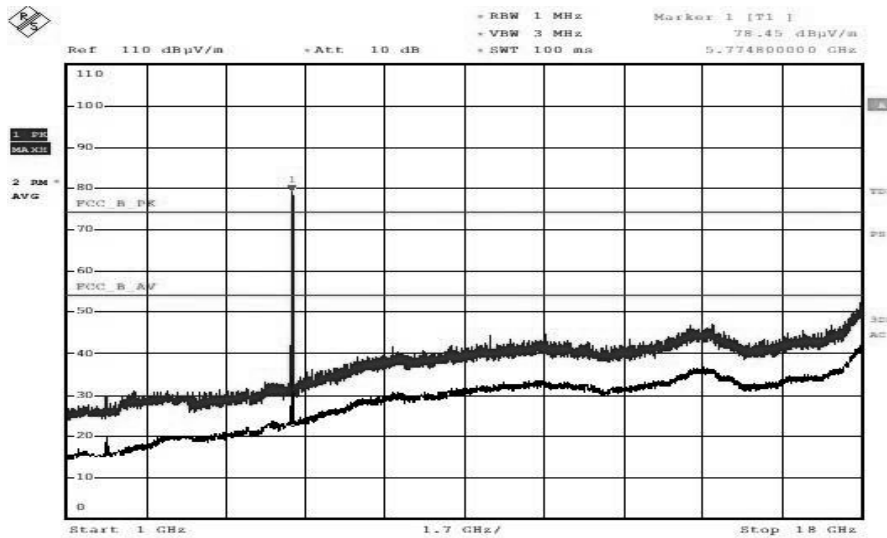


00231

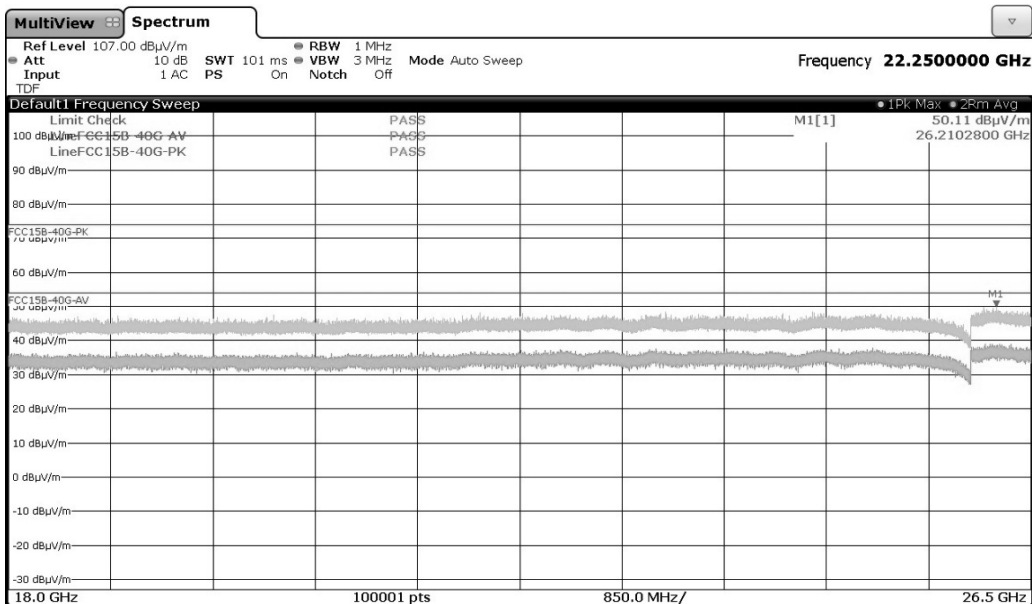


00231

Band Edges(CH 155)



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10. Measurement of conducted disturbance

The continuous disturbance voltage of AC Mains in the frequency from 0.15 MHz to 30 MHz was measured in accordance to FCC PART 15.207. The test setup was made according to ANSI C 63.10 (2009) in a shielded room. The EUT was placed on a non-conductive table at least 0.8 m above the ground plan. A grounded vertical reference plane was positioned in a distance of 0.4 m from the EUT. The distance from the EUT to other metal surfaces was at least 0.8 m. The EUT was only earthen by its power cord through the line impedance stabilizing network. The power cord has been bundled to a length of 1.0 m. The test receiver with Quasi Peak detector complies with CISPR 16.

10.1 Measurement equipments

Equipment Name	Type	Manufacturer	Serial No.	Next Calibration date
TEST RECEIVER	ESPI	Rohde & Schwarz	100005	19-Jul-22
LISN	ESH3-Z5	Rohde & Schwarz	836679/025	19-Jul-22
Pulse Limiter	ESH3Z2	Rohde & Schwarz	NONE	19-Jul-22

10.2 Environmental Condition

Test Place : Shielded Room

Temperature (°C) : 22.4 °C

Humidity (% R.H.) : 51.2 % R.H.

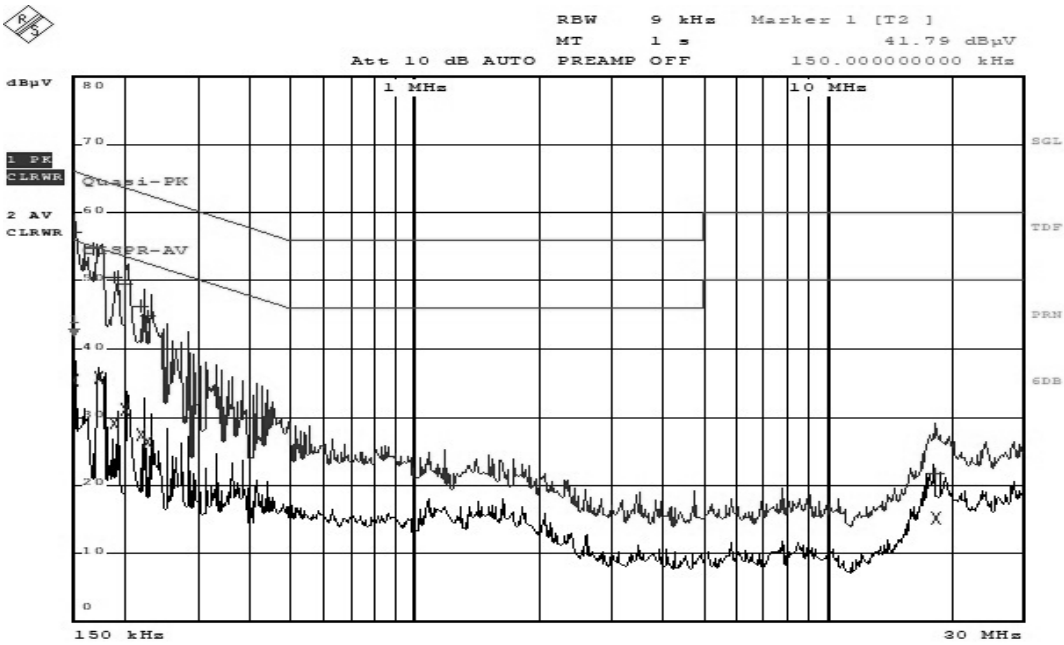
10.3-1 Test Data

Test Date : 13-Aug-21

Frequency (MHz)	Correction Factor		Line (H/N)	Quasi-peak Value			Average Value		
	Lisn (dB)	Cable (dB)		Limit (dB μ V)	Reading (dB μ V)	Result (dB μ V)	Limit (dB μ V)	Reading (dB μ V)	Result (dB)
0.15	0.09	0.12	N	66.00	51.32	51.53	56.00	29.48	29.69
0.16	0.16	0.13	H	65.52	54.50	54.79	55.52	33.47	33.76
0.17	0.16	0.15	H	64.91	52.77	53.08	54.91	33.72	34.03
0.19	0.16	0.18	H	64.08	50.14	50.48	54.08	31.02	31.36
0.20	0.09	0.19	N	63.82	46.72	32.92	53.82	26.29	26.57
0.21	0.16	0.20	H	63.21	45.11	45.47	53.21	25.59	25.95
Remark	H : Hot Line, N : Neutral Line *Correction Factor = Lisn + Cable *Result = Correction Factor + Reading								

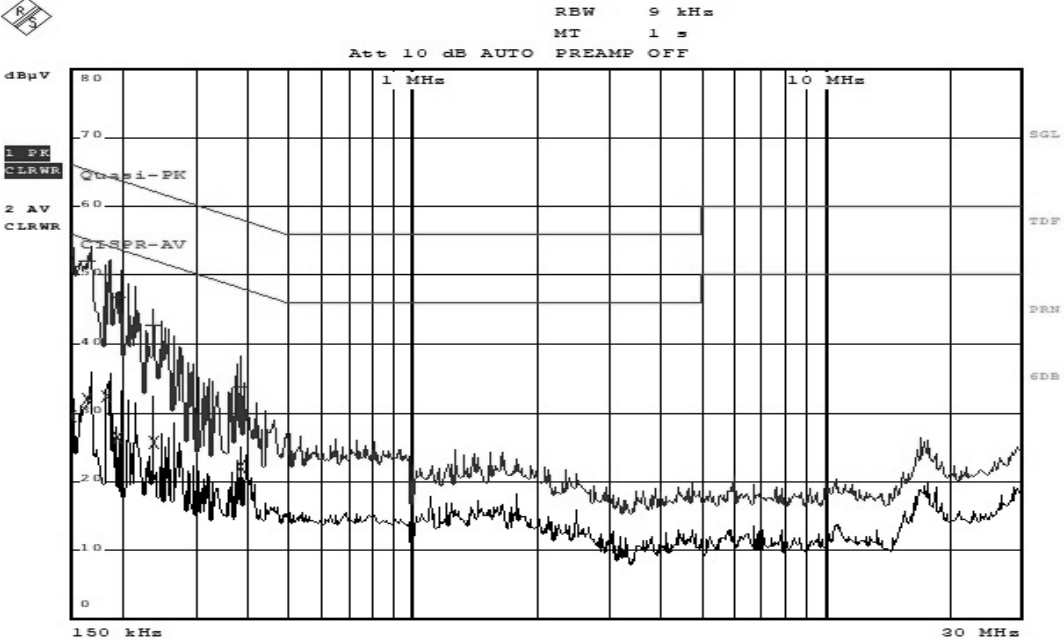
Appendix 1. Special diagram

* HOT LINE



Comment: ESTR-21-00231

* NEUTRAL LINE



Comment: ESTR-21-00231

Appendix 2. Antenna Requirement

1. Antenna information

antenna type : Dielectric Chip Antenna.

antenna location : Integral

antenna gain : U-NII 1 : 1.249 dBi

U-NII 2A : 0.245 dBi

U-NII 2C : 2.641 dBi

U-NII 3 : 1.597 dBi

No temporary RF connector provided