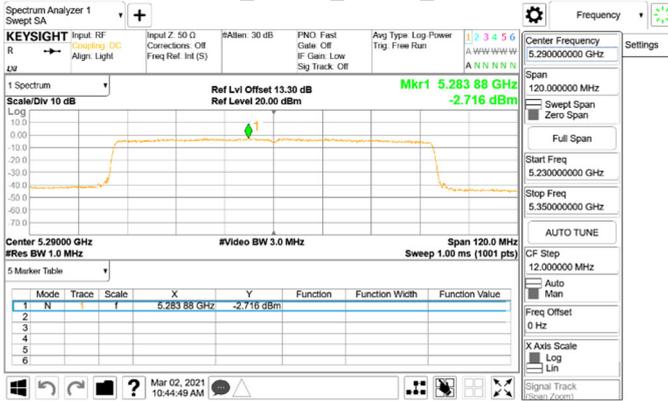
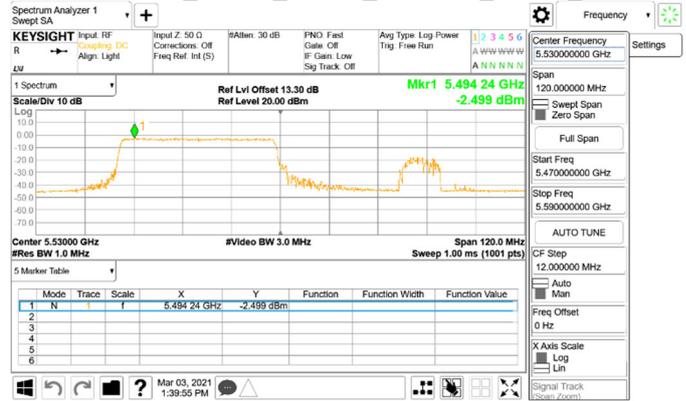


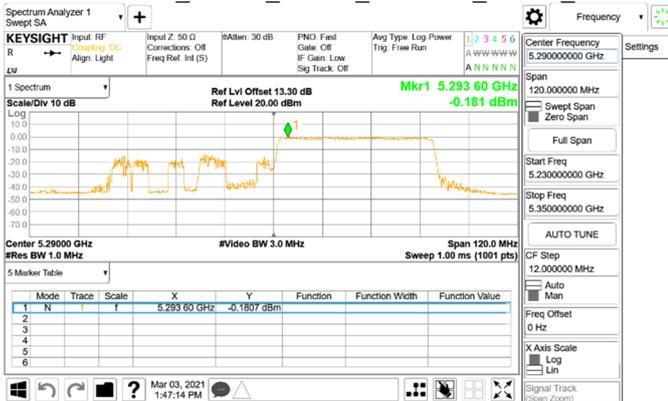
802.11ax\_80MHz\_Chain0\_5290MHz



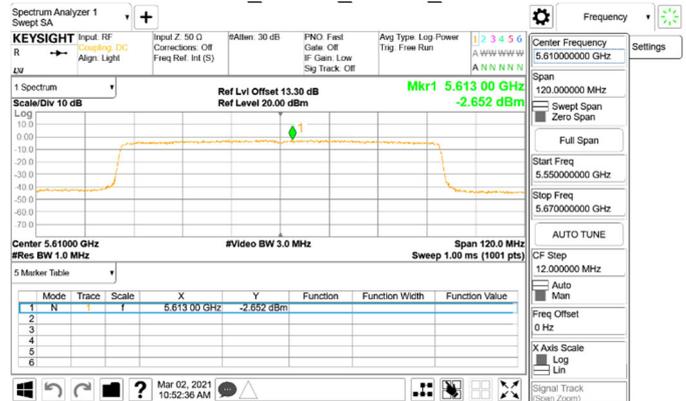
802.11ax\_80MHz\_Chain0\_5530MHz\_RU484\_65



802.11ax\_80MHz\_Chain0\_5290MHz\_RU484\_66



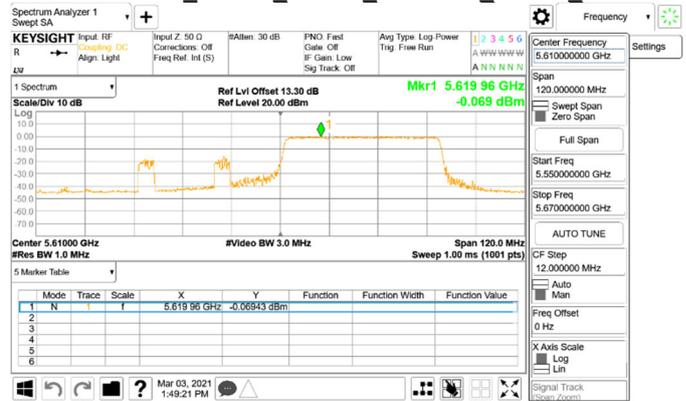
802.11ax\_80MHz\_Chain0\_5610MHz



802.11ax\_80MHz\_Chain0\_5530MHz



802.11ax\_80MHz\_Chain0\_5610MHz\_RU484\_66



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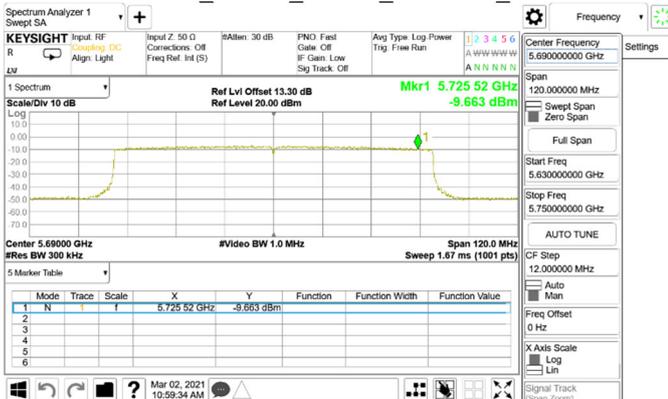
802.11ax\_80MHz\_Chain0\_5690MHz\_UNII 2C



802.11ax\_80MHz\_Chain0\_5775MHz\_RU484\_65



802.11ax\_80MHz\_Chain0\_5690MHz\_UNII 3



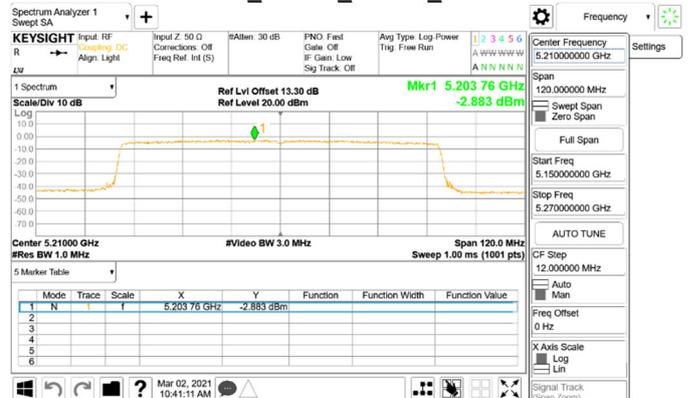
802.11ax\_80MHz\_Chain0\_5775MHz\_RU484\_66



802.11ax\_80MHz\_Chain0\_5775MHz



802.11ax\_80MHz\_Chain1\_5210MHz

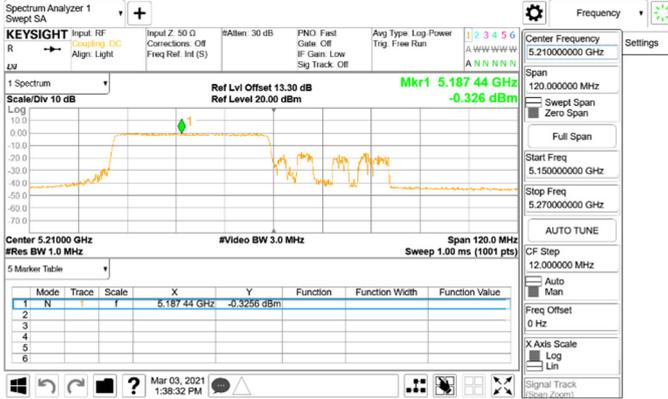


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802.11ax\_80MHz\_Chain1\_5210MHz\_RU484\_65



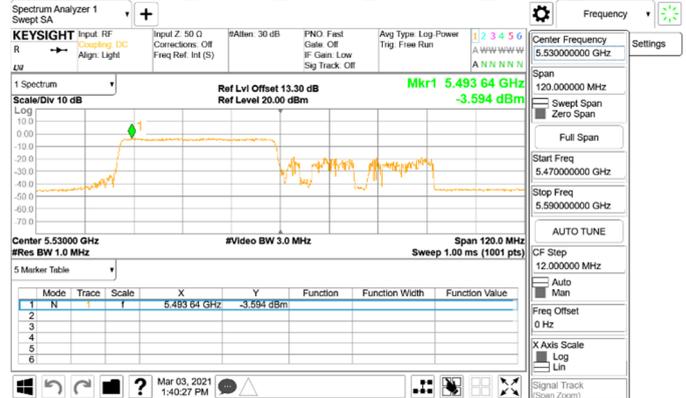
802.11ax\_80MHz\_Chain1\_5530MHz



802.11ax\_80MHz\_Chain1\_5290MHz



802.11ax\_80MHz\_Chain1\_5530MHz\_RU484\_65



802.11ax\_80MHz\_Chain1\_5290MHz\_RU484\_66



802.11ax\_80MHz\_Chain1\_5610MHz

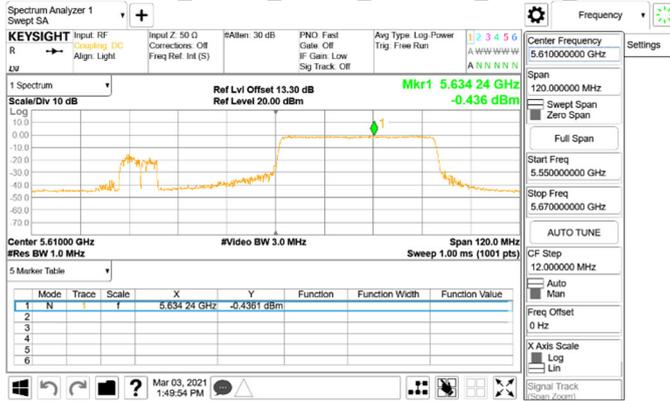


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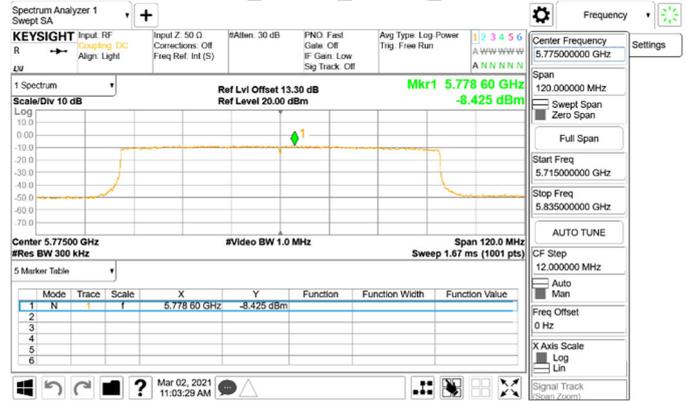
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802.11ax\_80MHz\_Chain1\_5610MHz\_RU484\_66



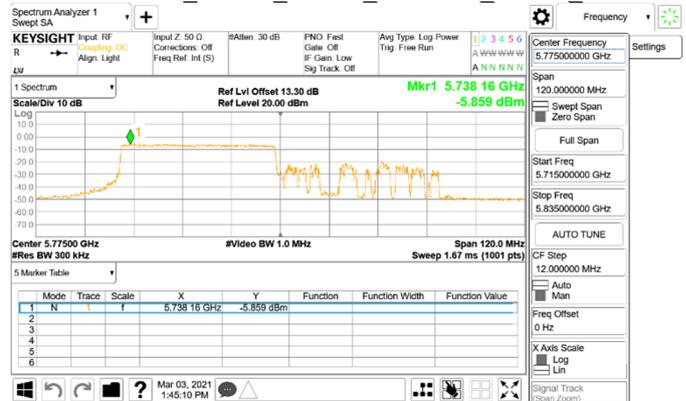
802.11ax\_80MHz\_Chain1\_5775MHz



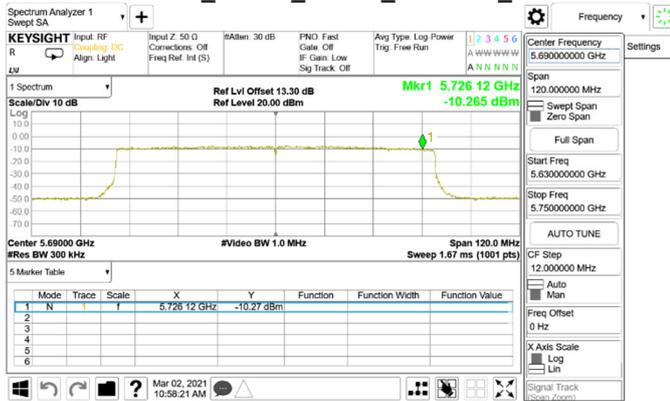
802.11ax\_80MHz\_Chain1\_5690MHz\_UNII 2C



802.11ax\_80MHz\_Chain1\_5775MHz\_RU484\_65



802.11ax\_80MHz\_Chain1\_5690MHz\_UNII 3



802.11ax\_80MHz\_Chain1\_5775MHz\_RU484\_66

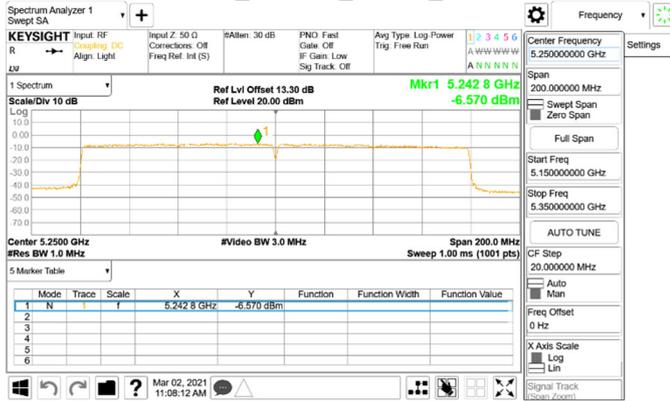


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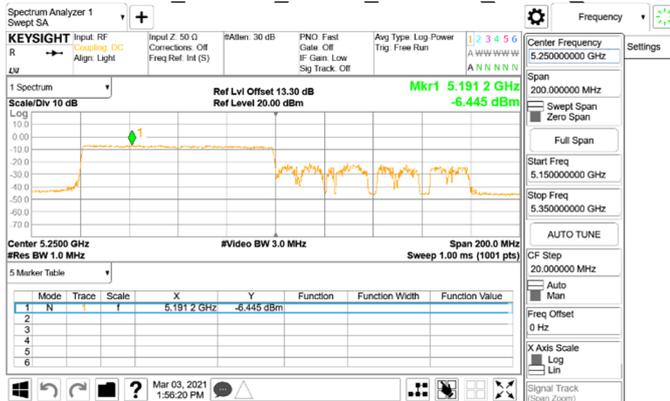
802.11ax\_160MHz\_Chain0\_5250MHz



802.11ax\_160MHz\_Chain0\_5570MHz



802.11ax\_160MHz\_Chain0\_5250MHz\_RU996\_67



802.11ax\_160MHz\_Chain0\_5570MHz\_RU996\_67



802.11ax\_160MHz\_Chain0\_5250MHz\_RU996\_S67



802.11ax\_160MHz\_Chain0\_5570MHz\_RU996\_S67

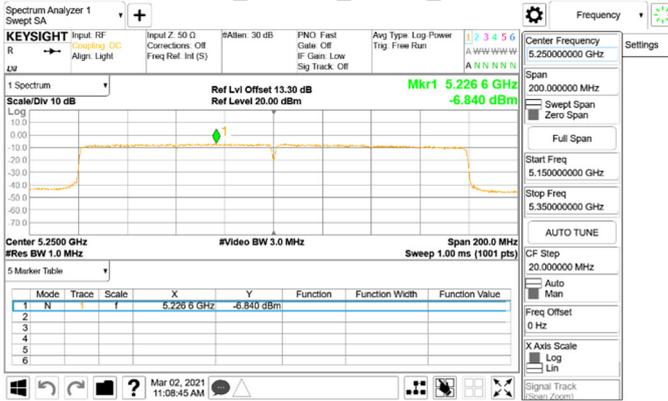


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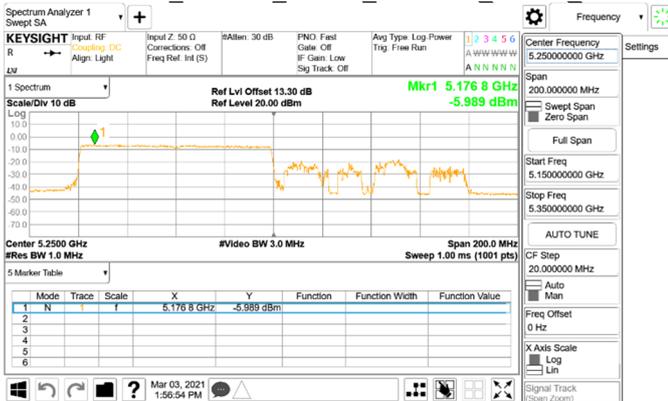
802.11ax\_160MHz\_Chain1\_5250MHz



802.11ax\_160MHz\_Chain1\_5570MHz



802.11ax\_160MHz\_Chain1\_5250MHz\_RU996\_67



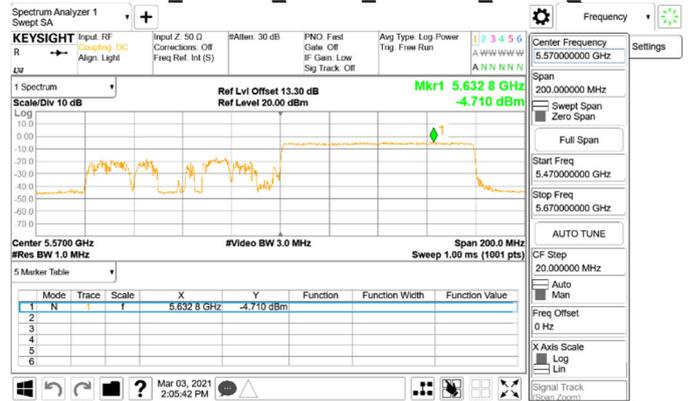
802.11ax\_160MHz\_Chain1\_5570MHz\_RU996\_67



802.11ax\_160MHz\_Chain1\_5250MHz\_RU996\_S67



802.11ax\_160MHz\_Chain1\_5570MHz\_RU996\_S67



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## 11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

### 11.1 Standard Applicable

#### 11.1.1 Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.3 (dBµV/m)
15.407(b)(2) RSS-247 §6.2.2.2		
15.407(b)(3) RSS-247 §6.2.3.2		
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBµV/m) *1 PK:105.2 (dBµV/m) *2 PK: 110.8(dBµV/m) *3 PK:122.2 (dBµV/m) *4
<p>*1 beyond 75 MHz or more above of the bandedge.            *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.            *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.            *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p>		

$EIRP = (E \cdot d)^2 / 30$ , where  $E$  is the field in V/m,  $d$  is the measurement distance (3m),  $EIRP$  is the equivalent isotropically radiated power in Watts.

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### 11.1.2 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

**Note:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBµV/m) = 20 log Emission level (µV/m)

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## 11.2 Measurement Equipment Used

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR/BRAND	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	SCHWAZBEC K	BBHA9170	184	12/11/2020	12/10/2021
Site Cal	SGS	SAC I chamber	N/A	01/01/2021	12/31/2021
Horn Antenna	Schwarzbeck	BBHA9120 D	D803	12/17/2020	12/16/2021
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT- N0555	01/13/2021	01/12/2022
Loop Antenna	ETS.LINDGR EN	6502	148045	10/19/2020	10/18/2021
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/29/2020	10/28/2021
Test Software	audix	e3	Ver. 6.11- 20180413	01/01/2021	12/31/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	EMC Instruments	EMC184045 B	980135	12/16/2020	12/15/2021
Pre-Amplifier	HP	8449B	3008A01973	12/16/2020	12/15/2021
Pre-Amplifier	HP	8447D	2944A09469	12/16/2020	12/15/2021
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	12/16/2020	12/15/2021
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	12/16/2020	12/15/2021
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	12/16/2020	12/15/2021
High Pass Filter	WI	WHKX7.0/1 8G-8SS	WHKX7.0/18G -8SS	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	EMC 104- SM-SM- 2000	160123	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/16/2020	12/15/2021

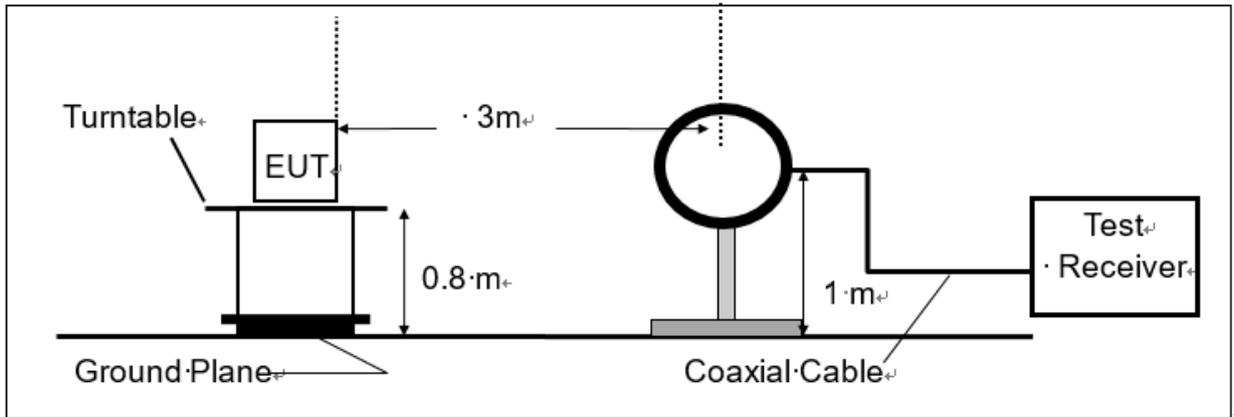
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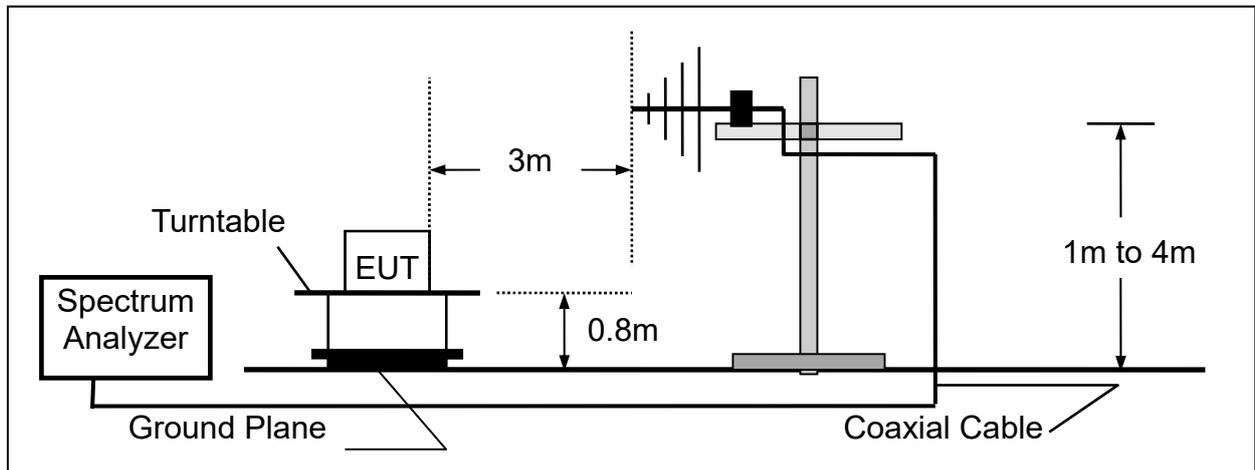
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### 11.3 Test SET-UP

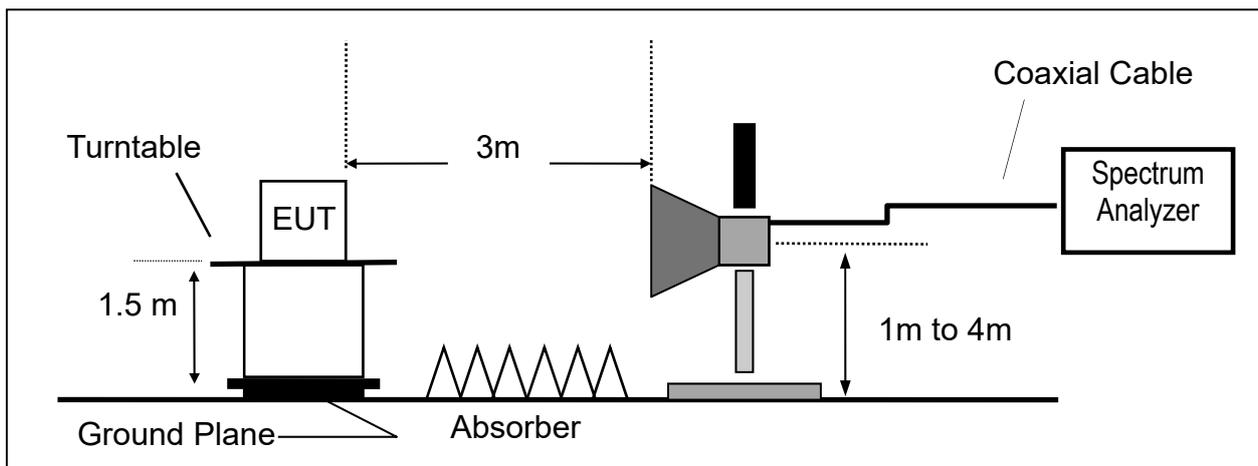
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(B) Radiated Emission Test Set-UP, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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