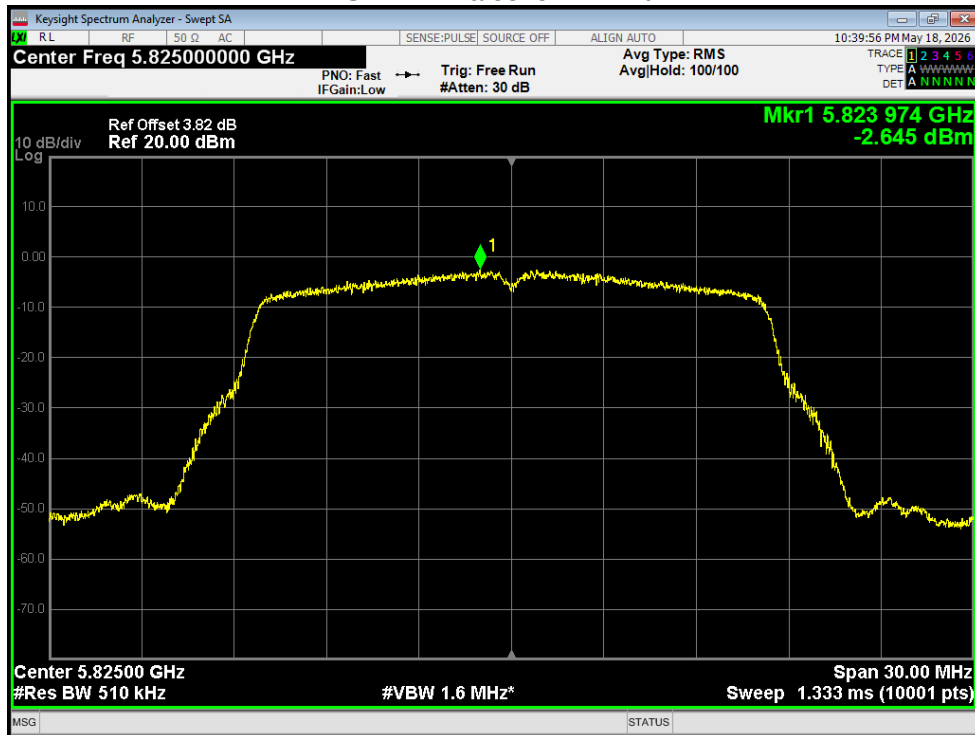
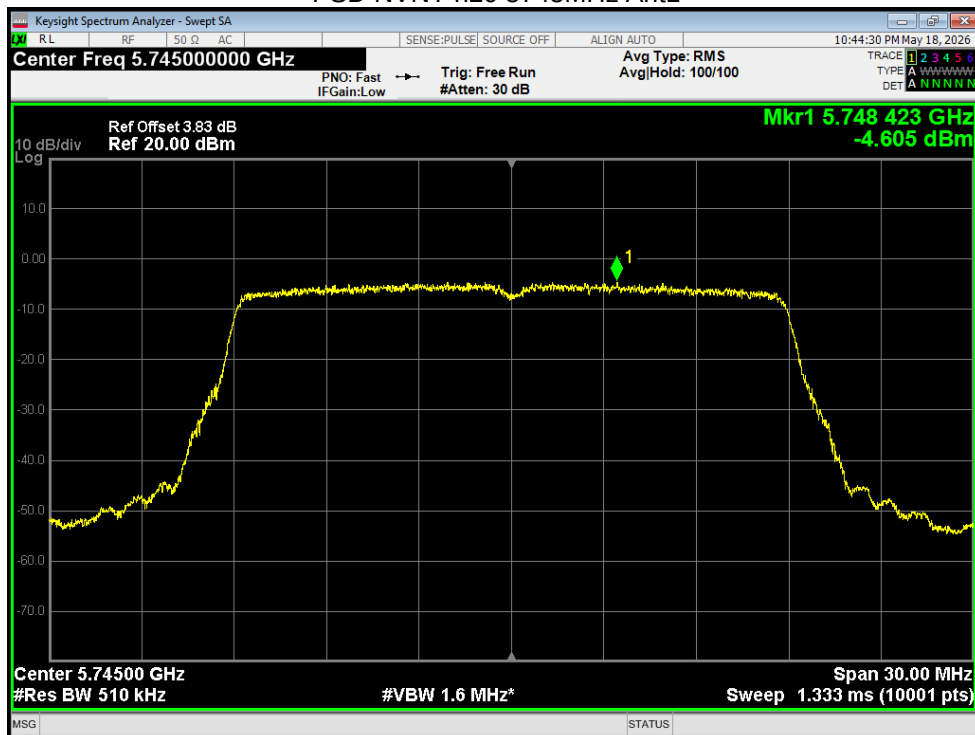


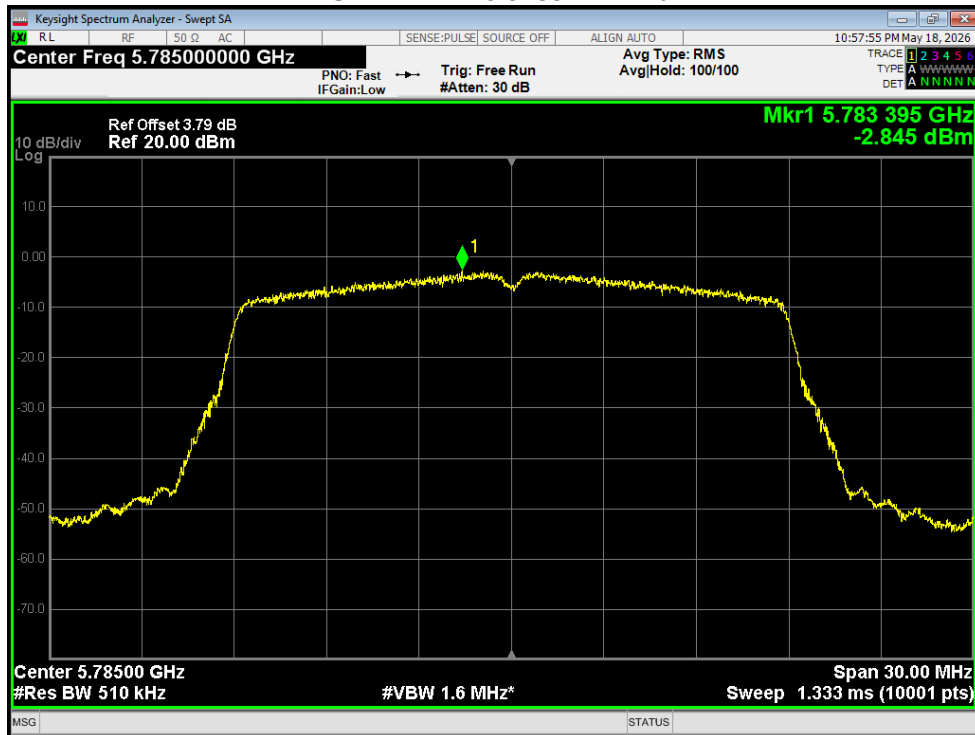
PSD NVNT a 5825MHz Ant1



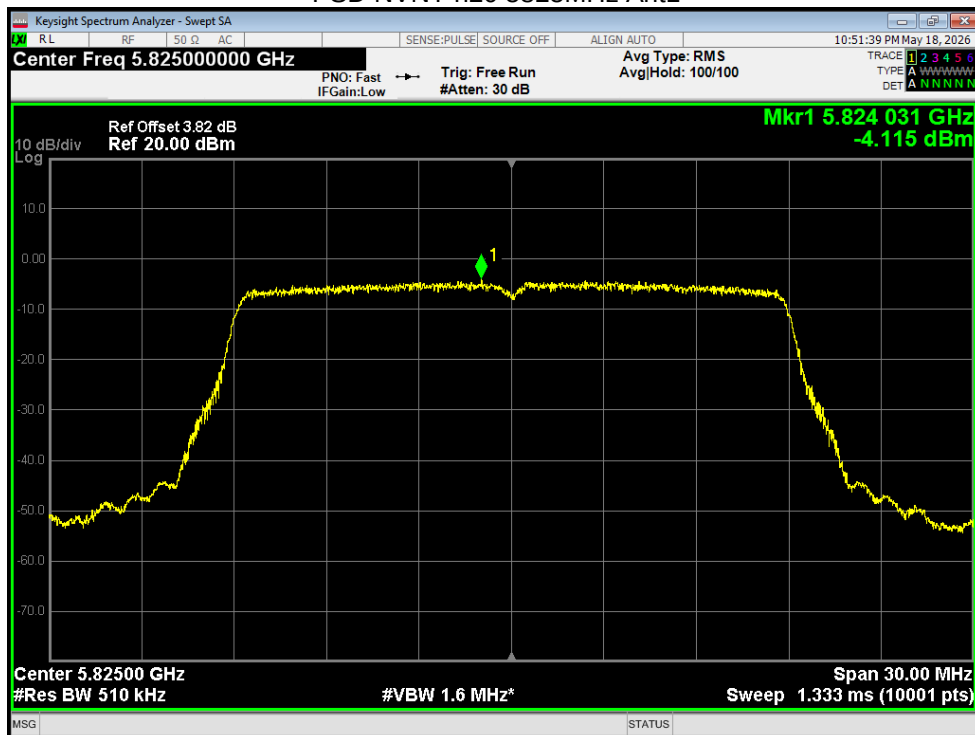
PSD NVNT n20 5745MHz Ant1



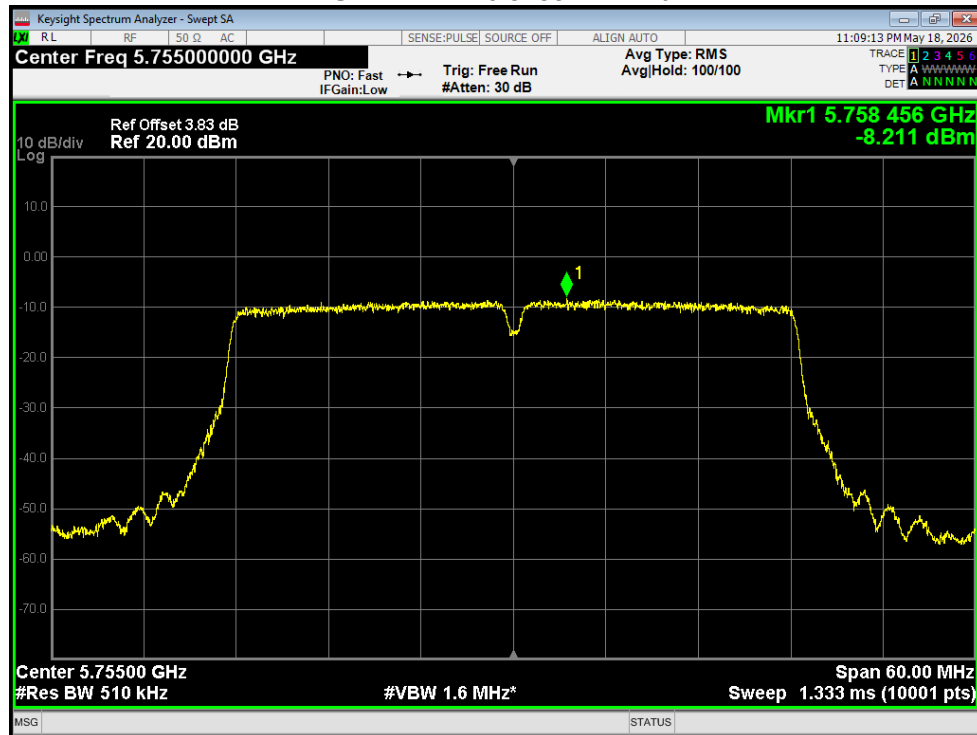
PSD NVNT n20 5785MHz Ant1



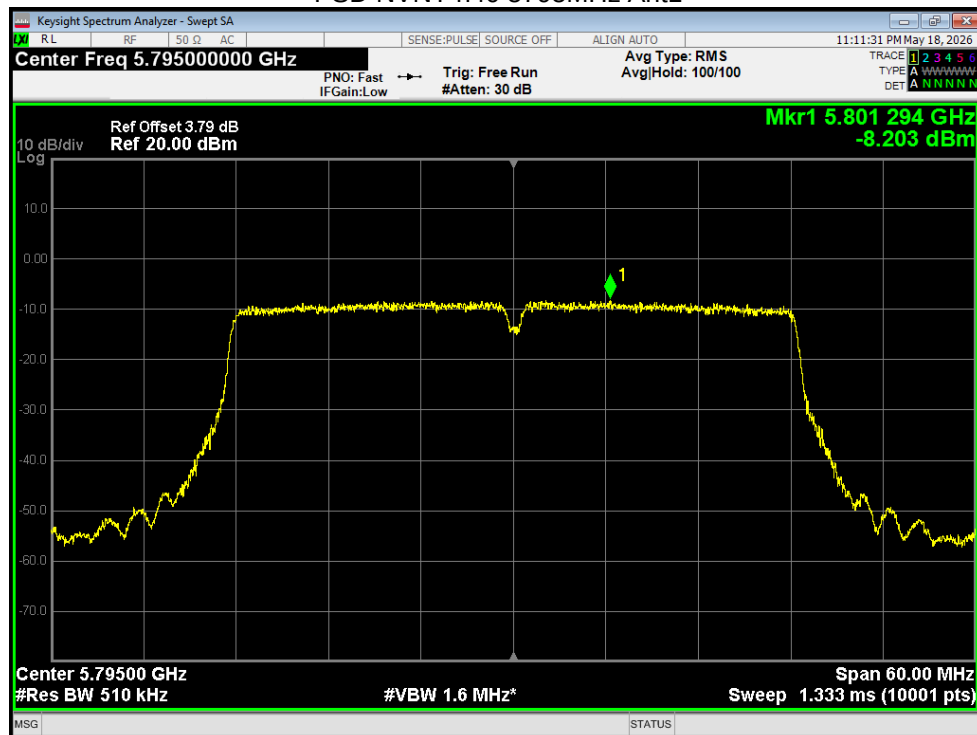
PSD NVNT n20 5825MHz Ant1



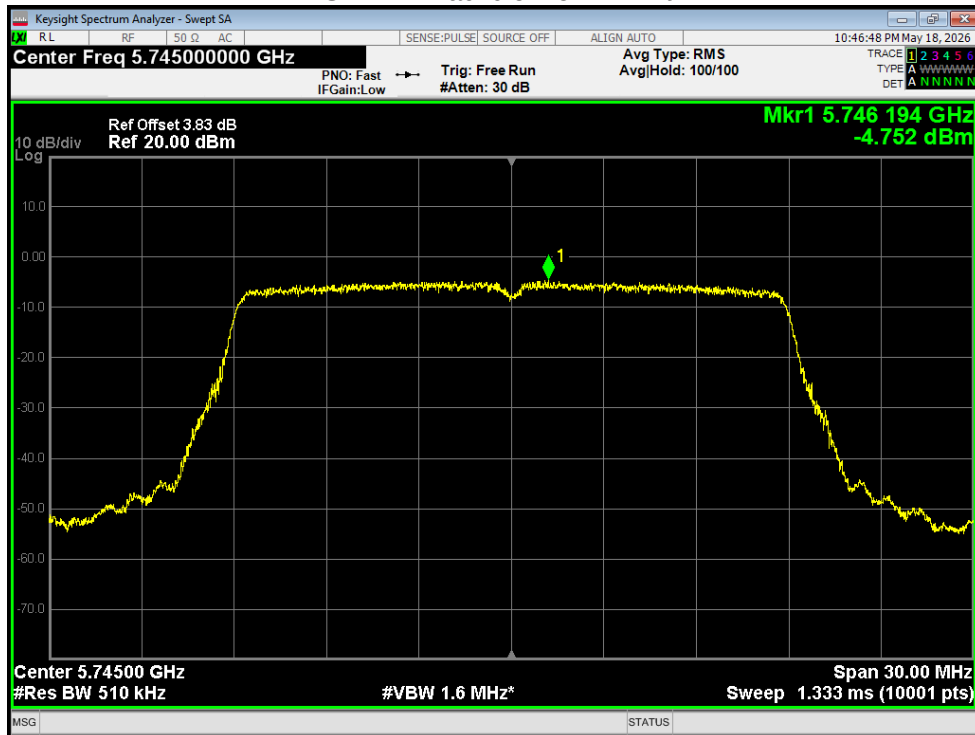
PSD NVNT n40 5755MHz Ant1



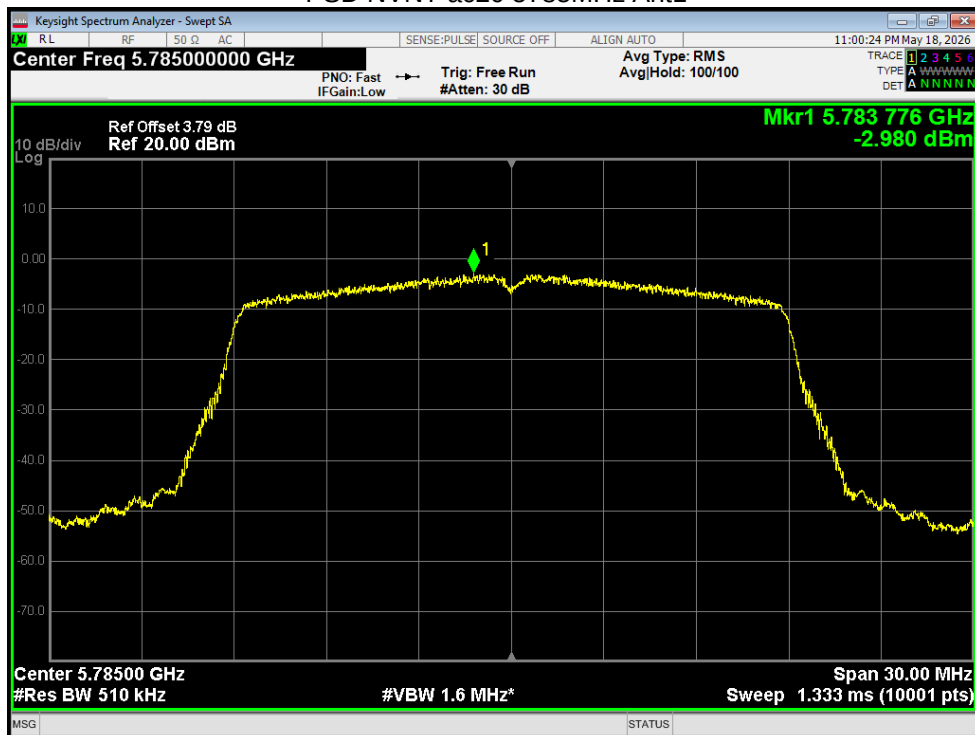
PSD NVNT n40 5795MHz Ant1



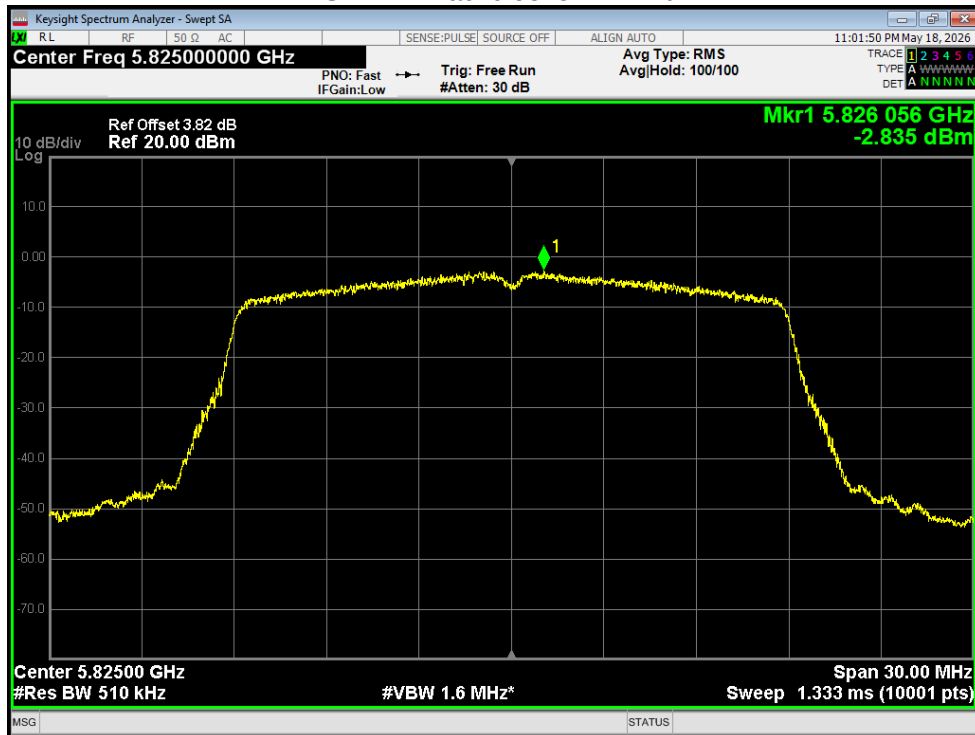
PSD NVNT ac20 5745MHz Ant1



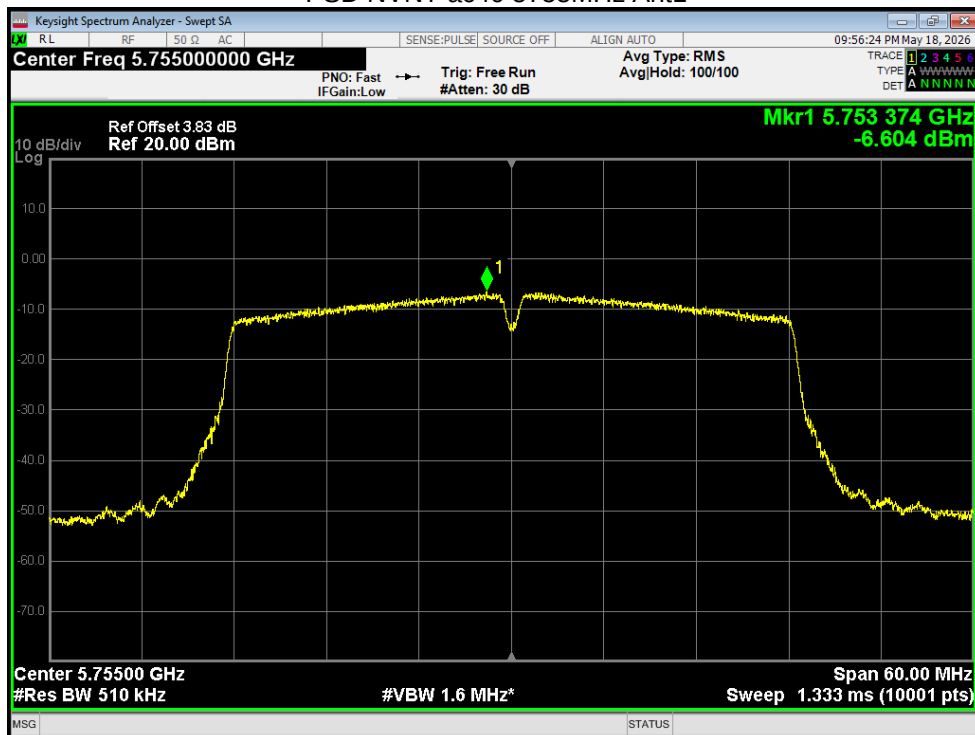
PSD NVNT ac20 5785MHz Ant1



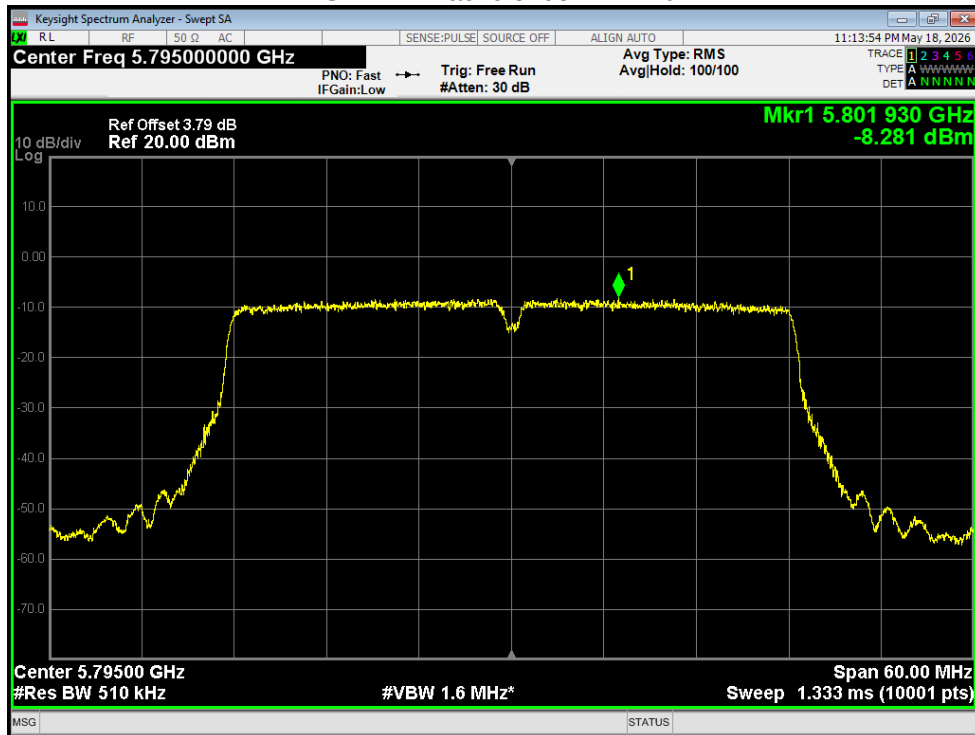
PSD NVNT ac20 5825MHz Ant1



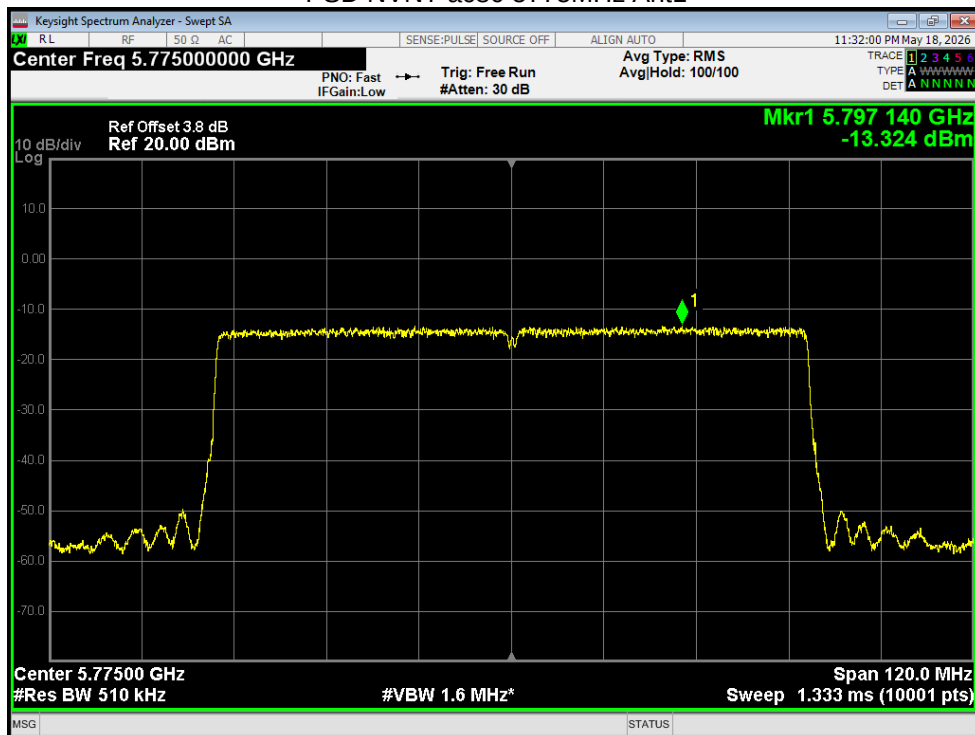
PSD NVNT ac40 5755MHz Ant1



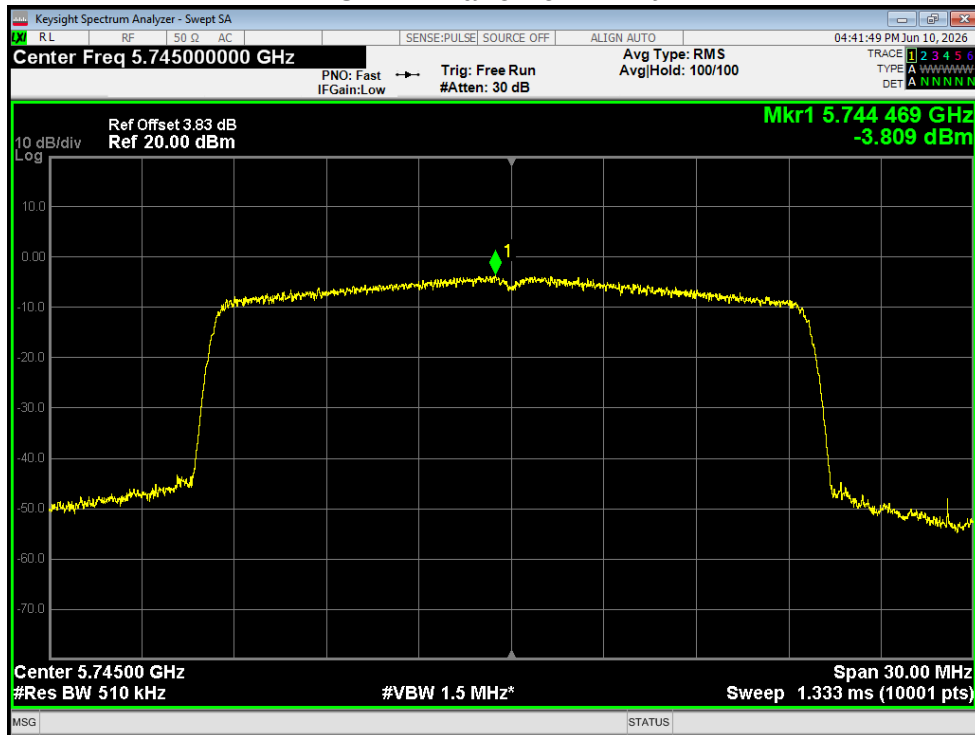
PSD NVNT ac40 5795MHz Ant1



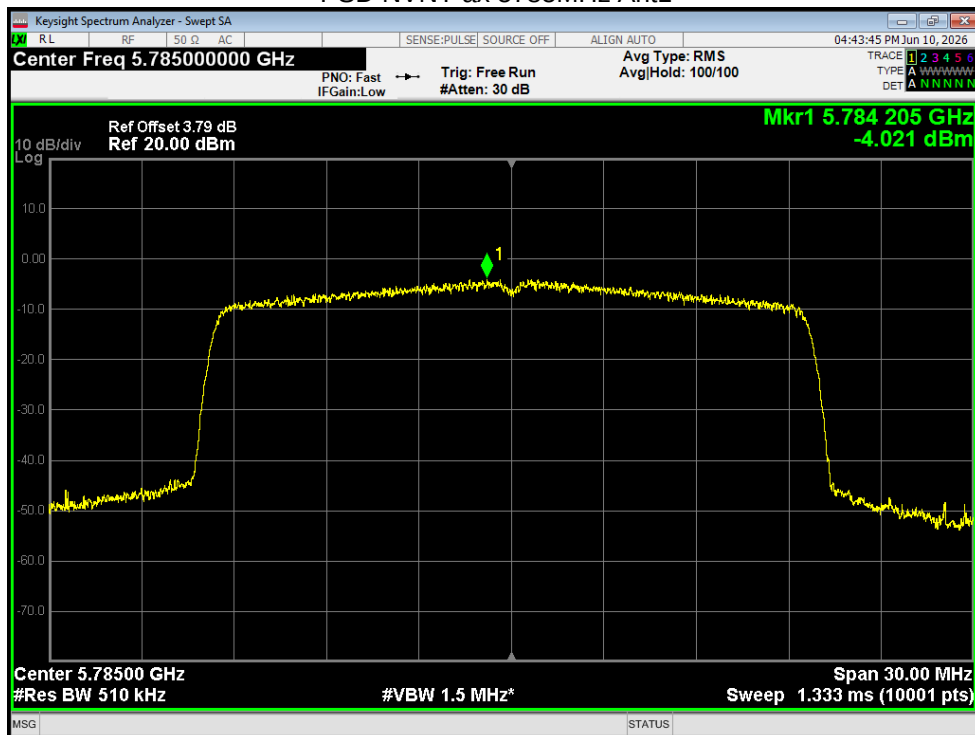
PSD NVNT ac80 5775MHz Ant1



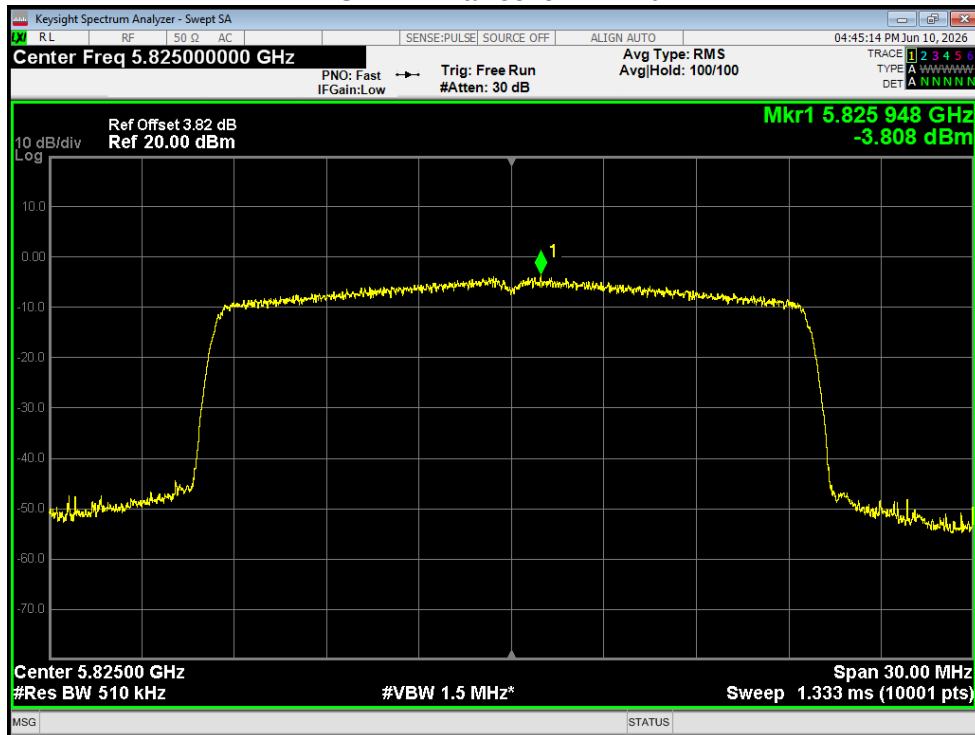
PSD NVNT ax 5745MHz Ant1



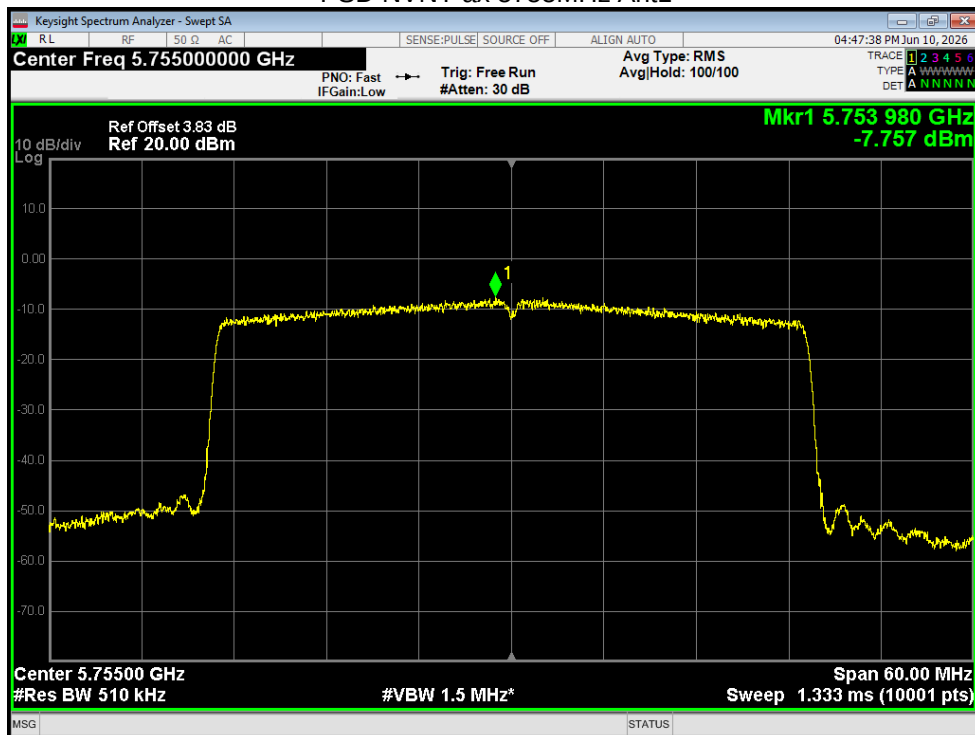
PSD NVNT ax 5785MHz Ant1



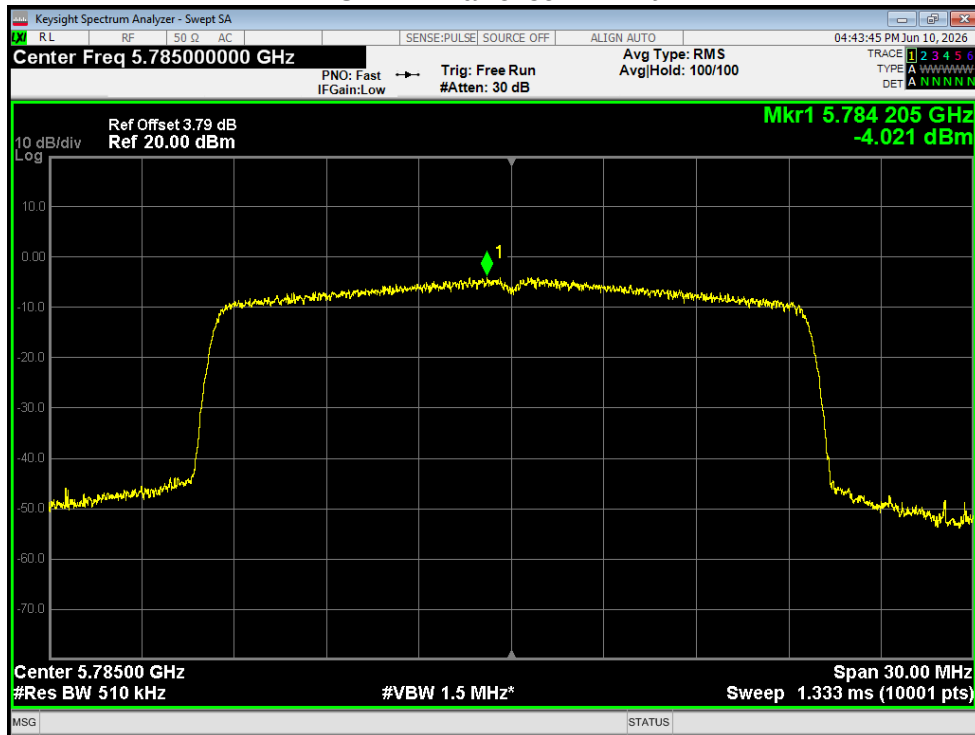
PSD NVNT ax 5825MHz Ant1



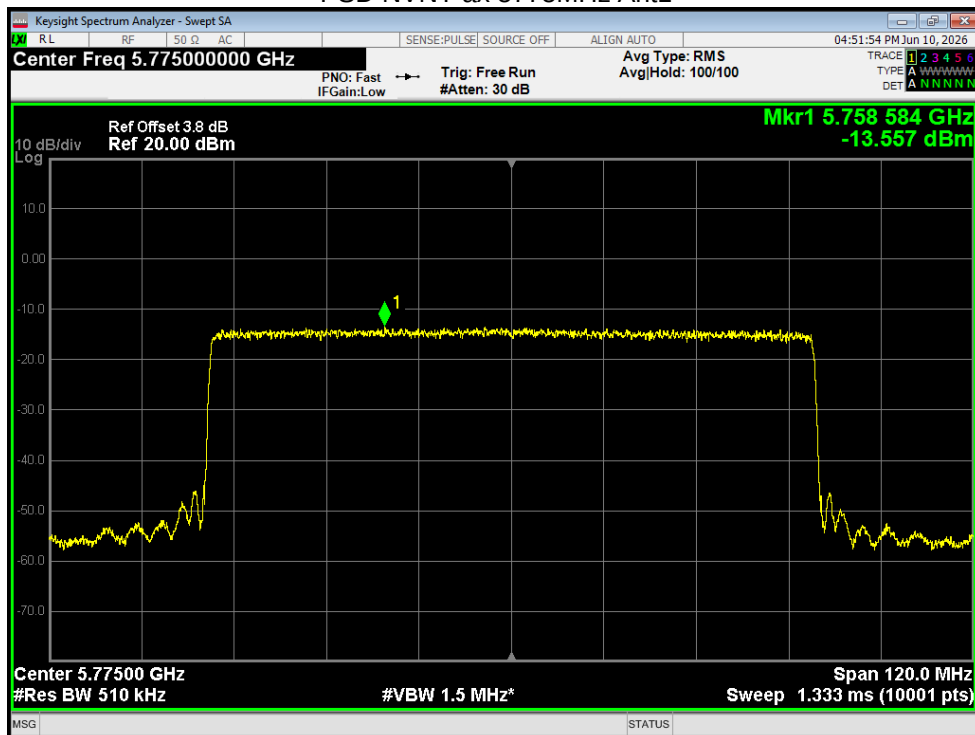
PSD NVNT ax 5755MHz Ant1



PSD NVNT ax 5785MHz Ant1

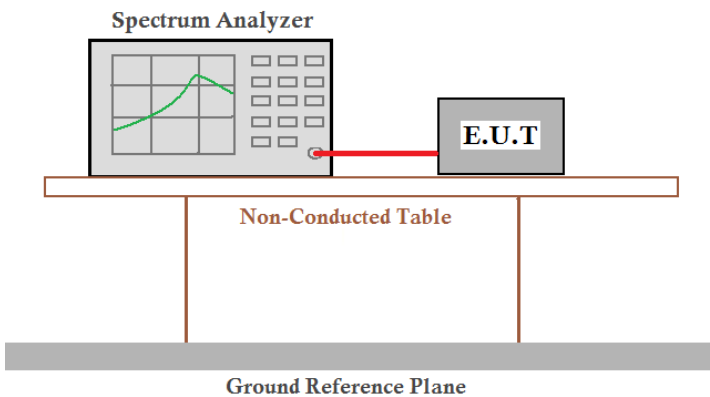


PSD NVNT ax 5775MHz Ant1



4.7 Band edge

4.7.1 Conducted test Method

Test Requirement:	47CFR Part 15.209 and 15.205	
Test Method:	ANSI C63.10-2020+Cor.1-2023 §6.10.2	
Limit:	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 5.25-5.35 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. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (4) For transmitters operating solely in the 5.725-5.850 GHz band: (i) 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.	
Test setup:		
Test Procedure:	1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. 2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range. 3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span. 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency. 5. Repeat above procedures until all measured frequencies were complete..	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 23.5°C	Humid.: 45%RH
Test voltage:	DC14.8V from Battery	
Test results:	Pass	

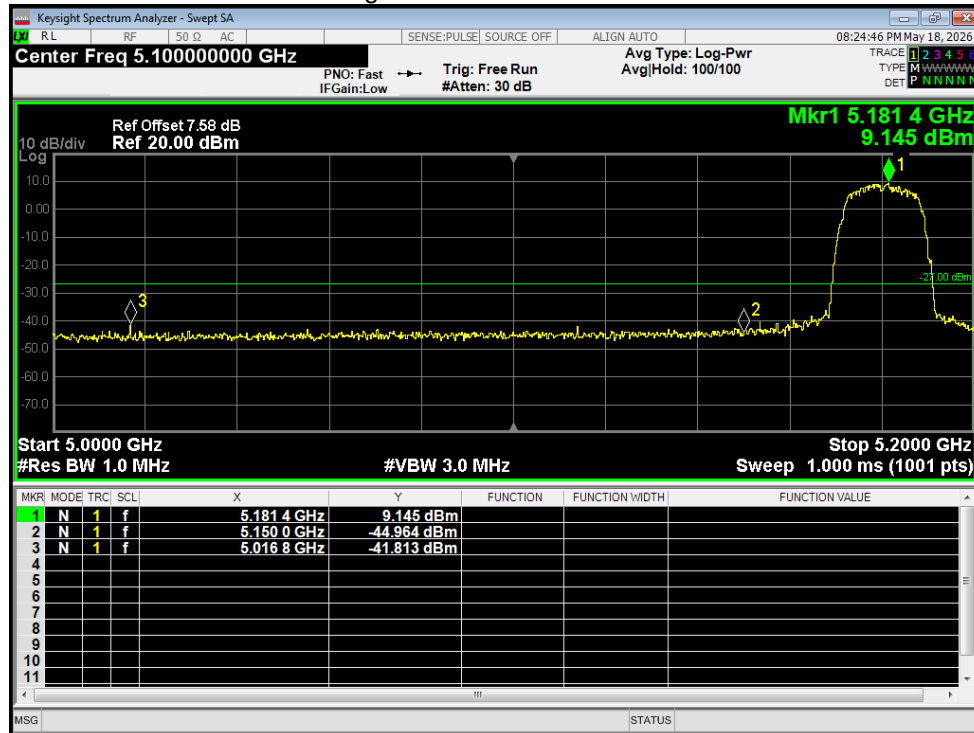


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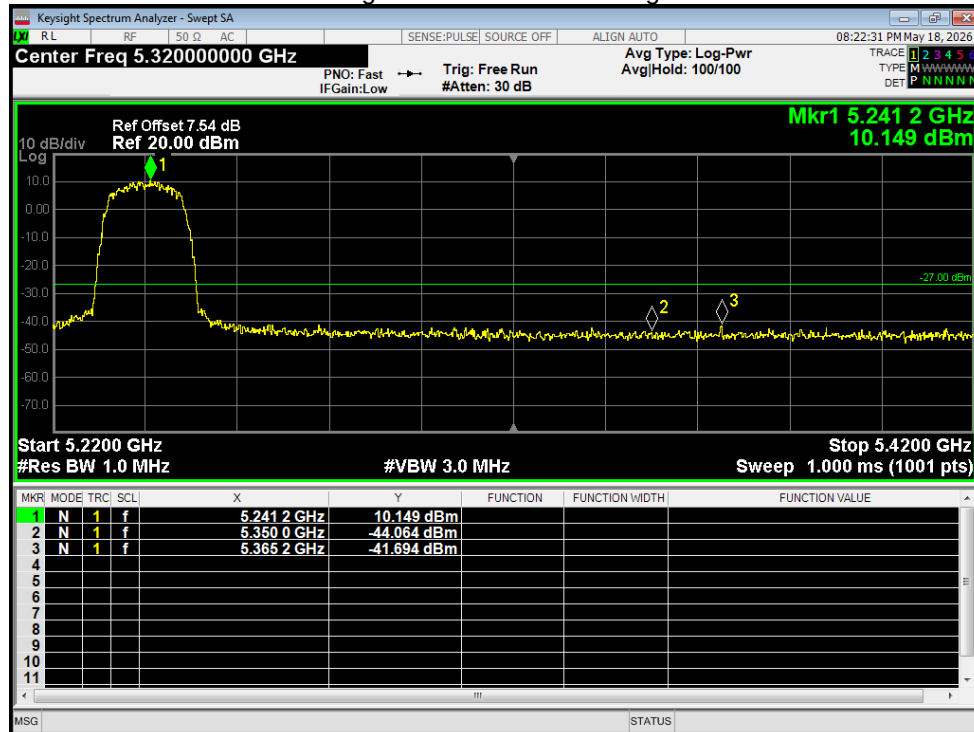
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-41.81	-27	Pass
NVNT	a	5240	Ant1	-41.69	-27	Pass
NVNT	n20	5180	Ant1	-42.45	-27	Pass
NVNT	n20	5240	Ant1	-42.14	-27	Pass
NVNT	n40	5190	Ant1	-41.79	-27	Pass
NVNT	n40	5230	Ant1	-42.25	-27	Pass
NVNT	ac20	5180	Ant1	-41.9	-27	Pass
NVNT	ac20	5240	Ant1	-42.39	-27	Pass
NVNT	ac40	5190	Ant1	-38.87	-27	Pass
NVNT	ac40	5230	Ant1	-41.24	-27	Pass
NVNT	ac80	5210	Ant1	-33.3	-27	Pass
NVNT	ax20	5180	Ant1	-41.62	-27	Pass
NVNT	ax20	5240	Ant1	-43.16	-27	Pass
NVNT	ax40	5190	Ant1	-40.83	-27	Pass
NVNT	ax40	5230	Ant1	-43.59	-27	Pass
NVNT	ax80	5210	Ant1	-43.76	-27	Pass

Remark: Antenna gain and cable loss data included in Offset.

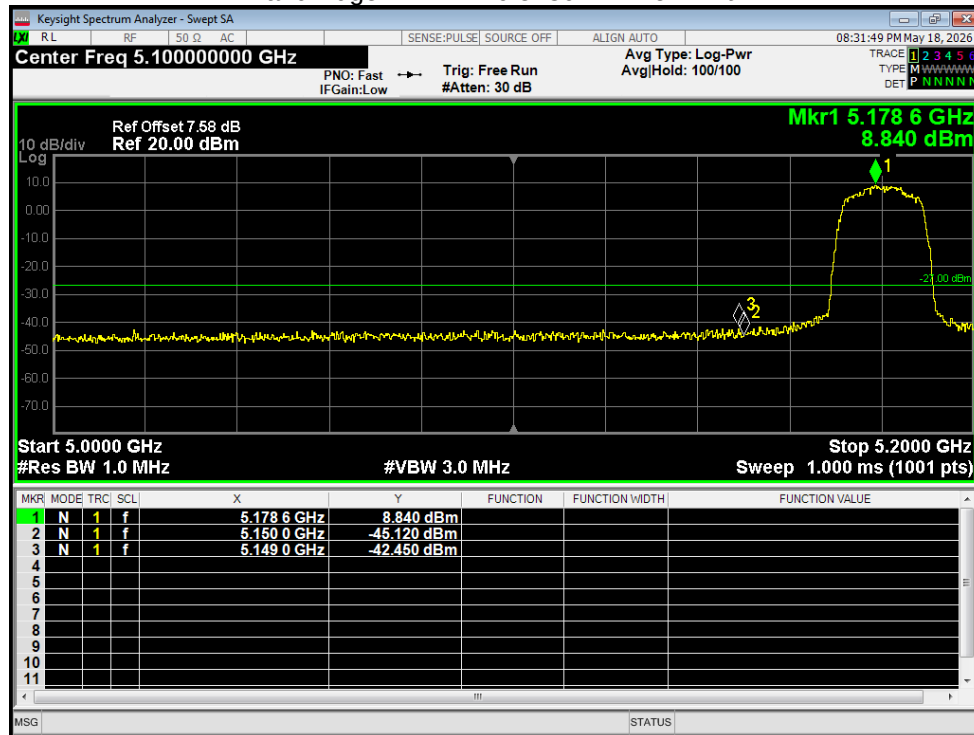
Band Edge NVNT a 5180MHz Low Ant1



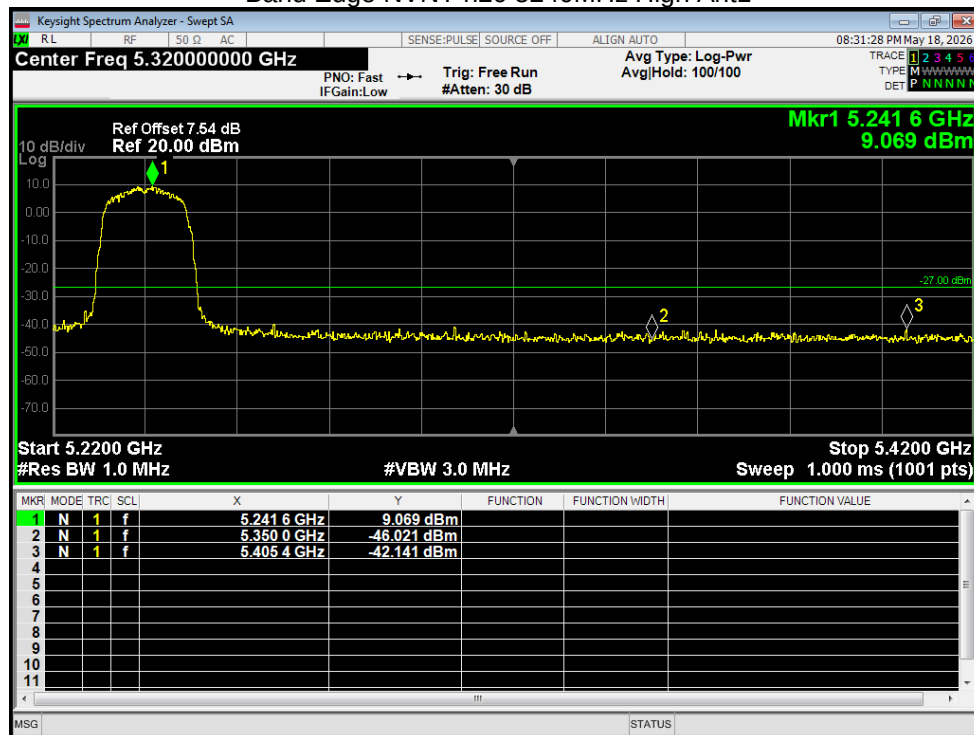
Band Edge NVNT a 5240MHz High Ant1



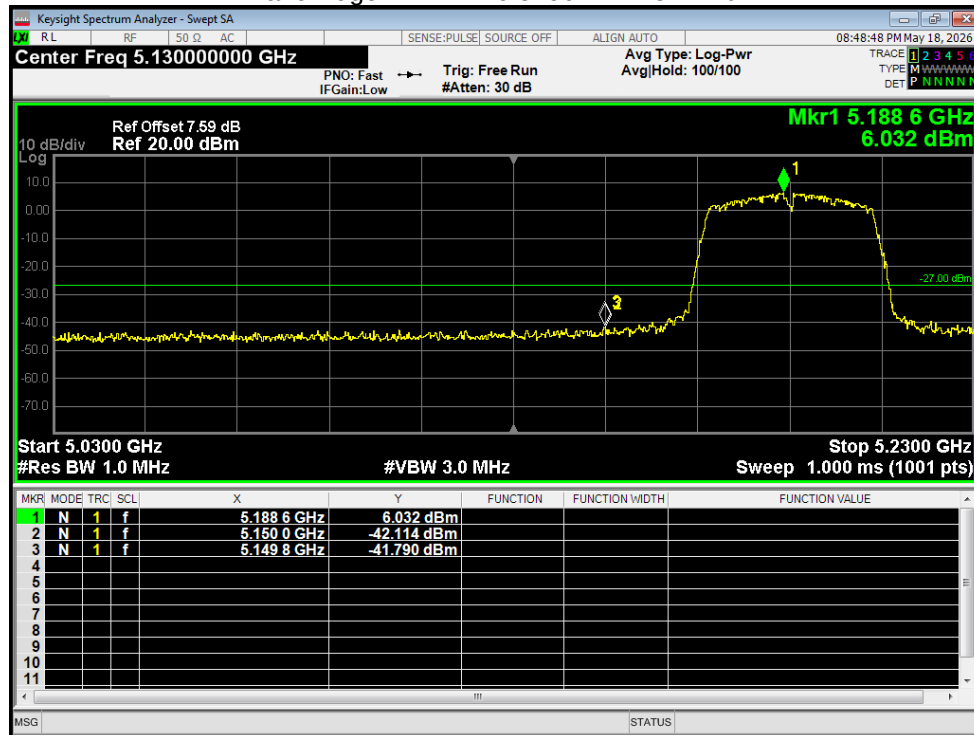
Band Edge NVNT n20 5180MHz Low Ant1



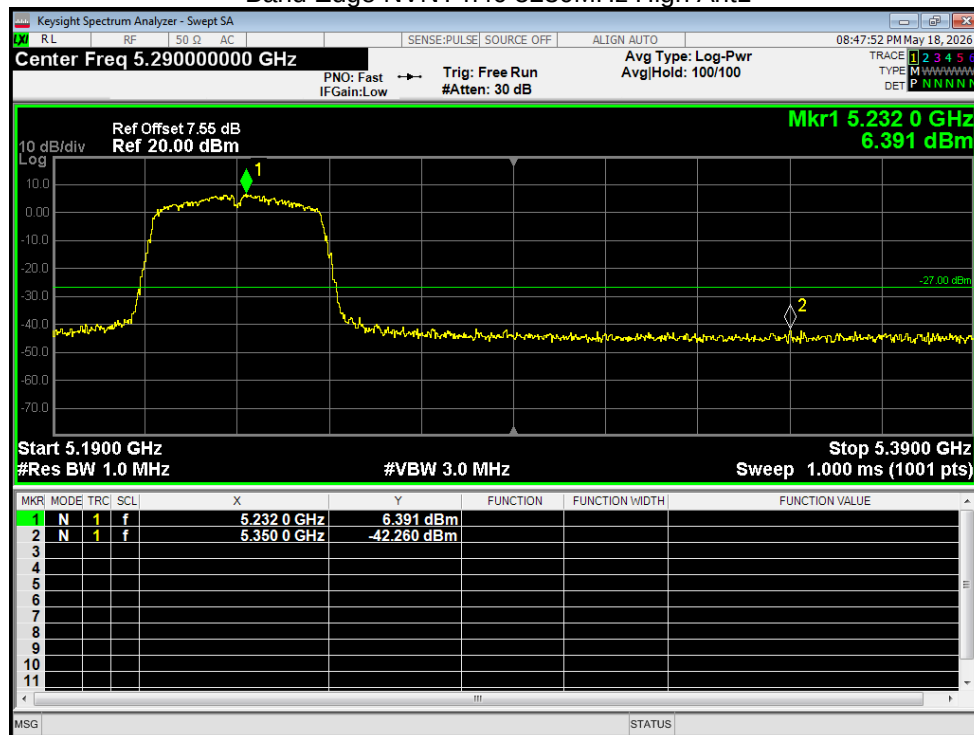
Band Edge NVNT n20 5240MHz High Ant1



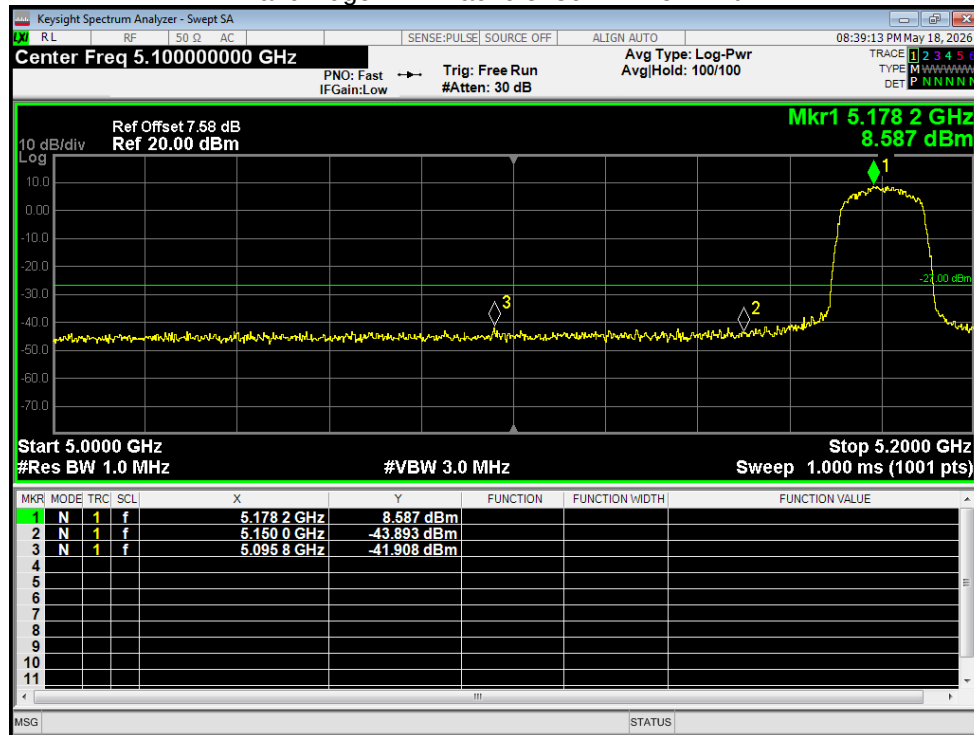
Band Edge NVNT n40 5190MHz Low Ant1



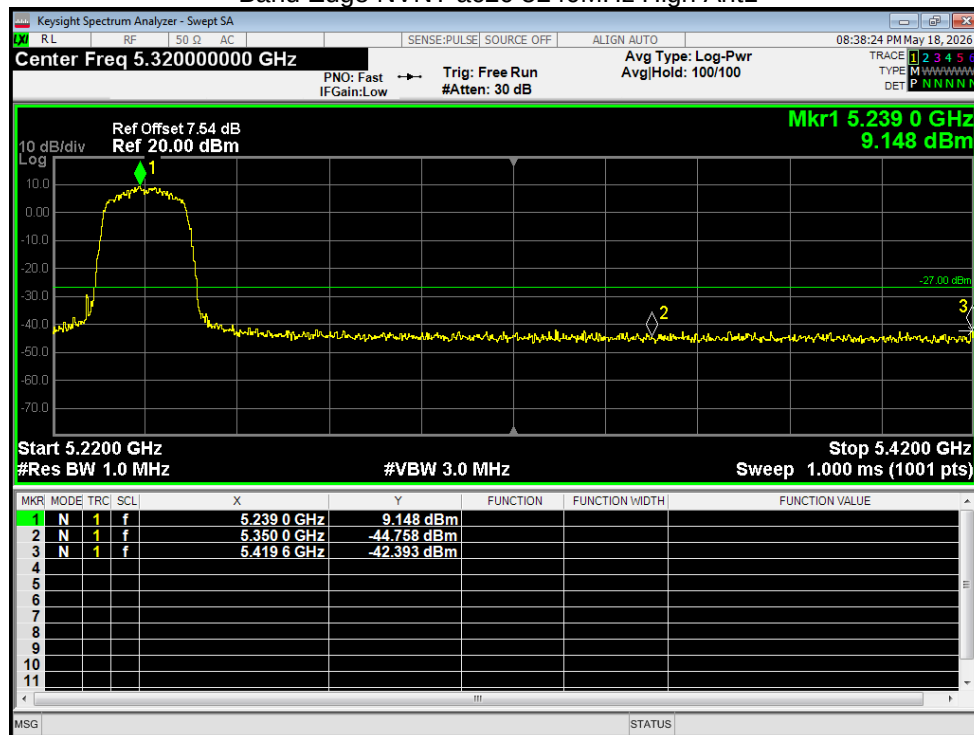
Band Edge NVNT n40 5230MHz High Ant1



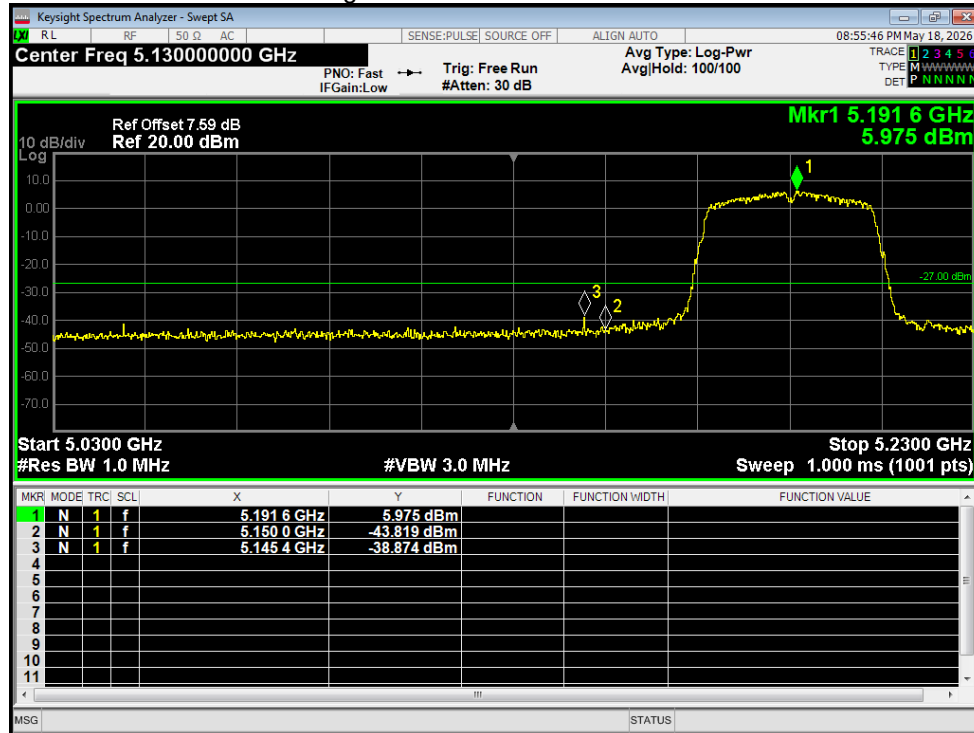
Band Edge NVNT ac20 5180MHz Low Ant1



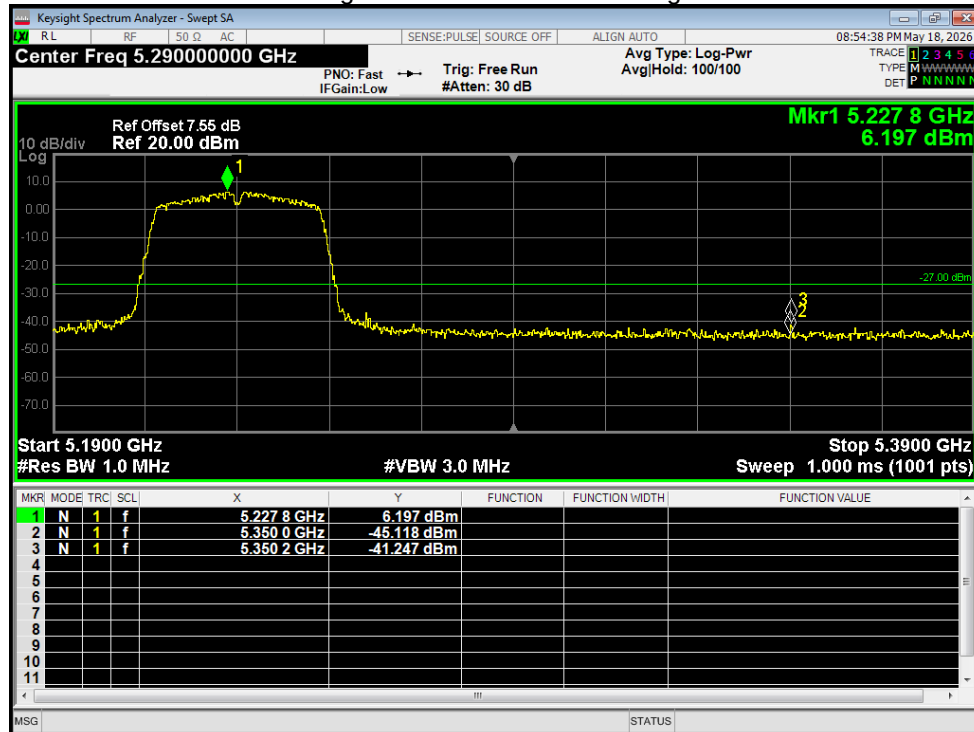
Band Edge NVNT ac20 5240MHz High Ant1



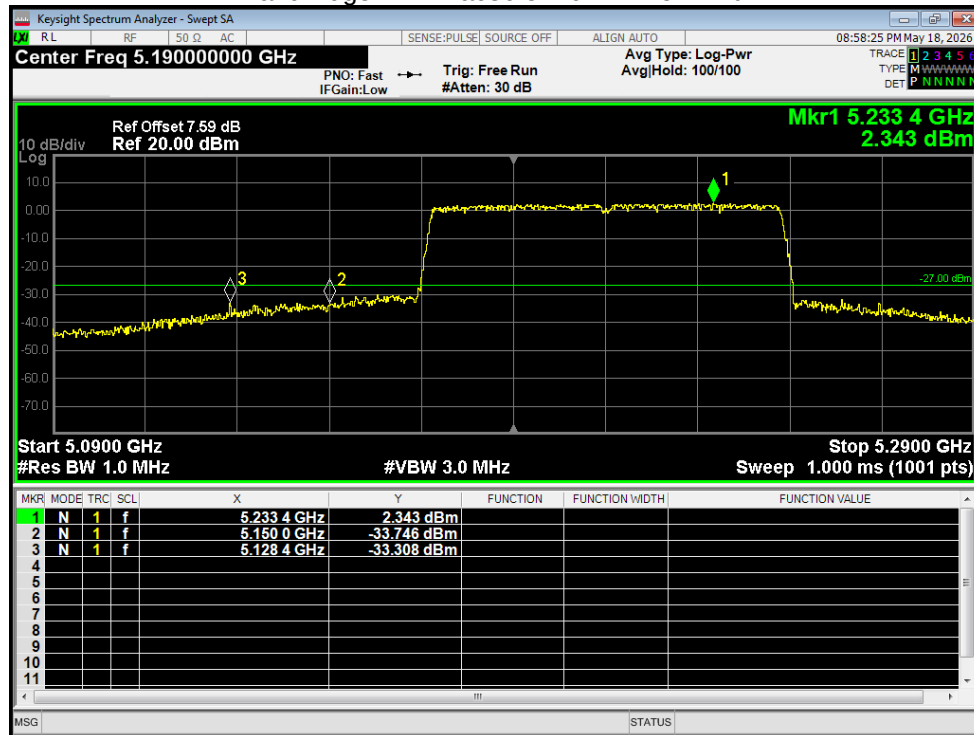
Band Edge NVNT ac40 5190MHz Low Ant1



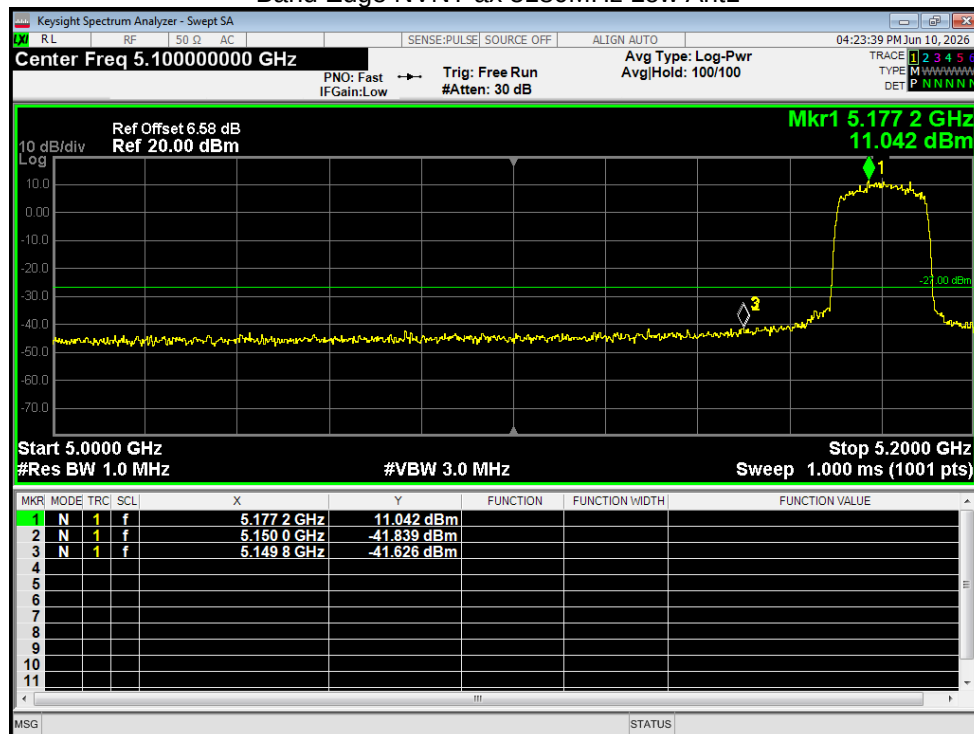
Band Edge NVNT ac40 5230MHz High Ant1



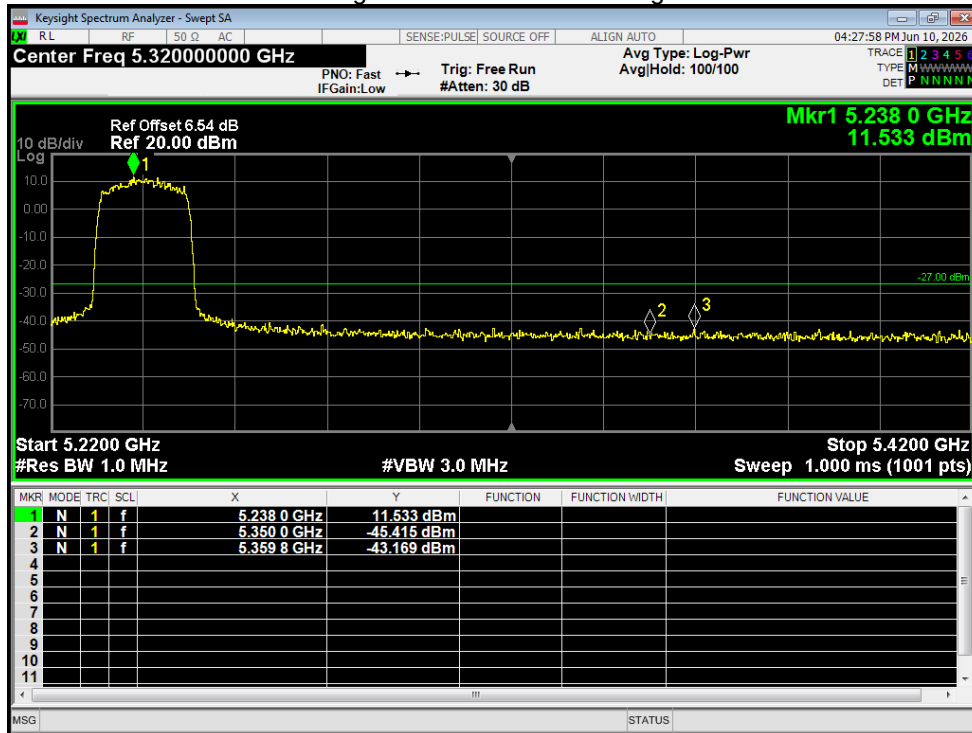
Band Edge NVNT ac80 5210MHz Low Ant1



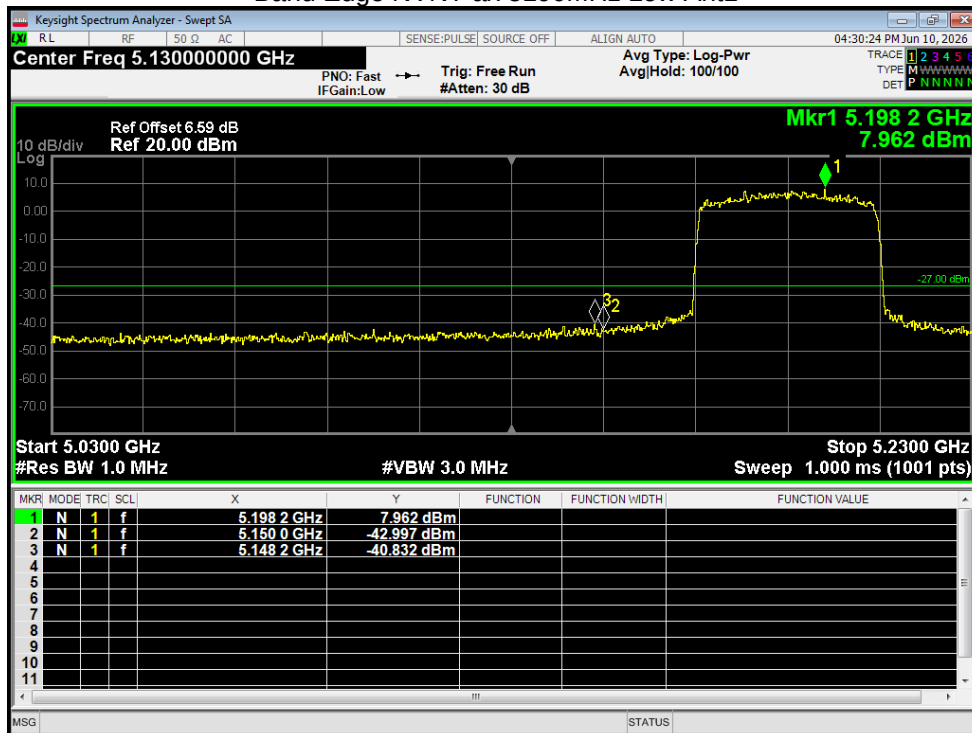
Band Edge NVNT ax 5180MHz Low Ant1



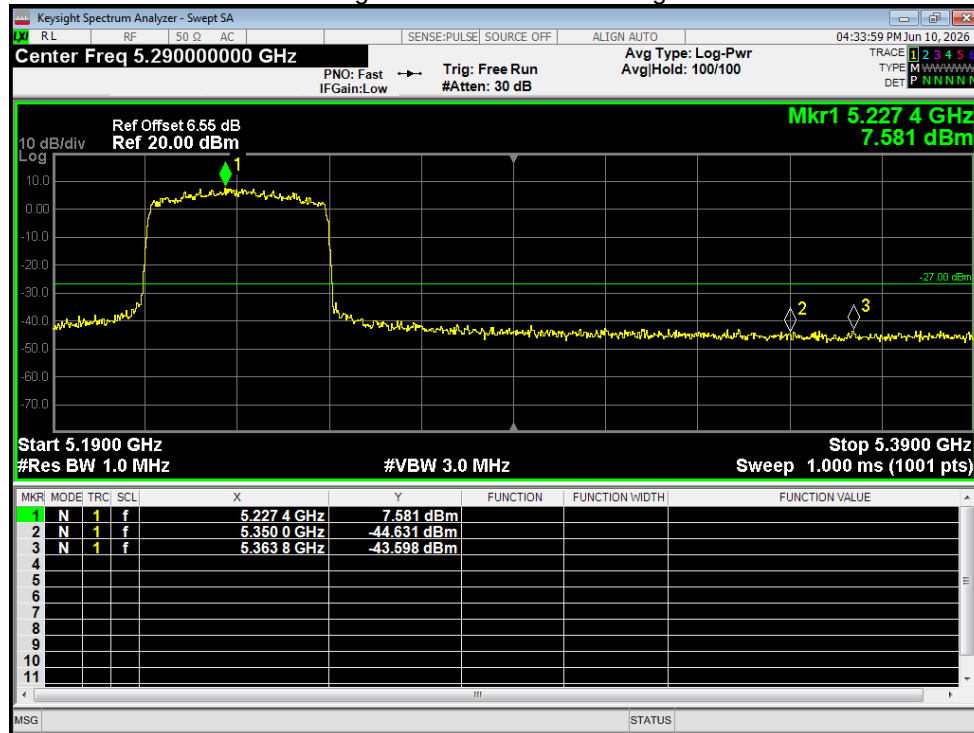
Band Edge NVNT ax 5240MHz High Ant1



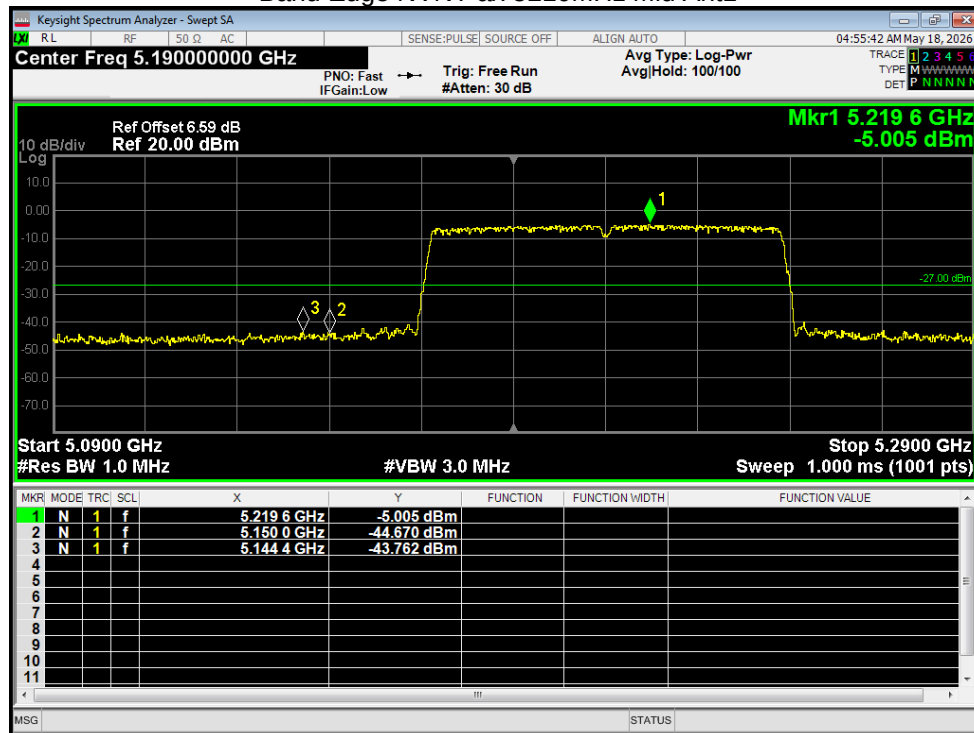
Band Edge NVNT ax 5190MHz Low Ant1



Band Edge NVNT ax 5230MHz High Ant1



Band Edge NVNT ax 5210MHz Mid Ant1





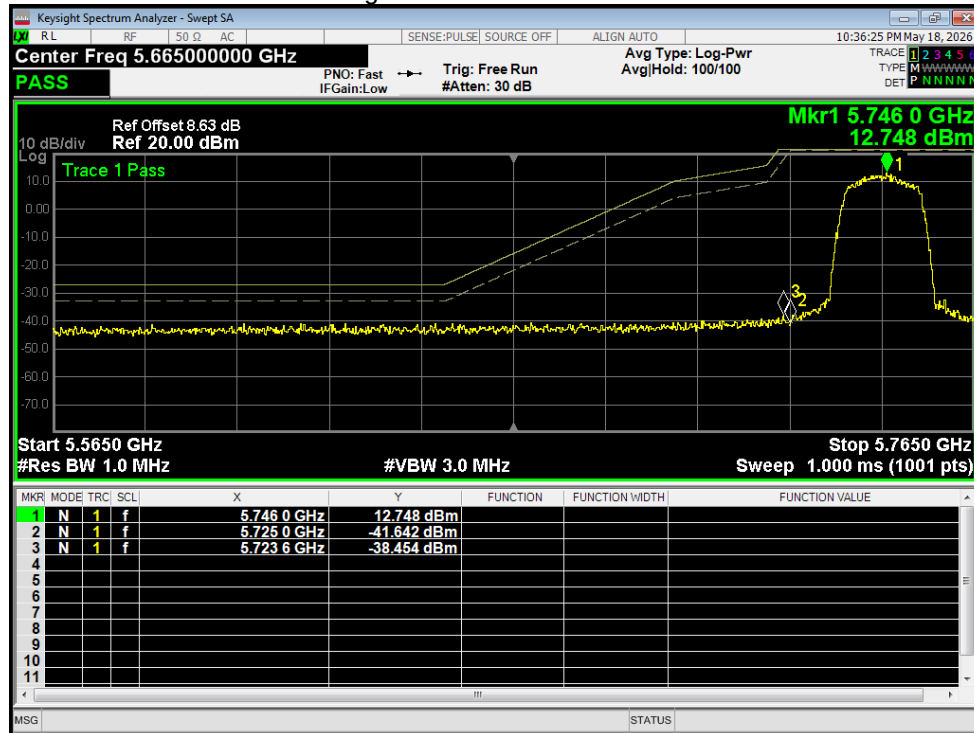
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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-38.45	-27	Pass
NVNT	a	5825	Ant1	-38.81	-27	Pass
NVNT	n20	5745	Ant1	-37.66	-27	Pass
NVNT	n20	5825	Ant1	-39.54	-27	Pass
NVNT	n40	5755	Ant1	-37.28	-27	Pass
NVNT	n40	5795	Ant1	-40.43	-27	Pass
NVNT	ac20	5745	Ant1	-37.92	-27	Pass
NVNT	ac20	5825	Ant1	-39.53	-27	Pass
NVNT	ac40	5755	Ant1	-35.25	-27	Pass
NVNT	ac40	5795	Ant1	-39.13	-27	Pass
NVNT	ac80	5775	Ant1	-37.78	-27	Pass
NVNT	ax20	5745	Ant1	-32.68	-27	Pass
NVNT	ax20	5825	Ant1	-39.14	-27	Pass
NVNT	ax40	5755	Ant1	-31.96	-27	Pass
NVNT	ax40	5795	Ant1	-43.34	-27	Pass
NVNT	ax80	5775	Ant1	-40.23	-27	Pass

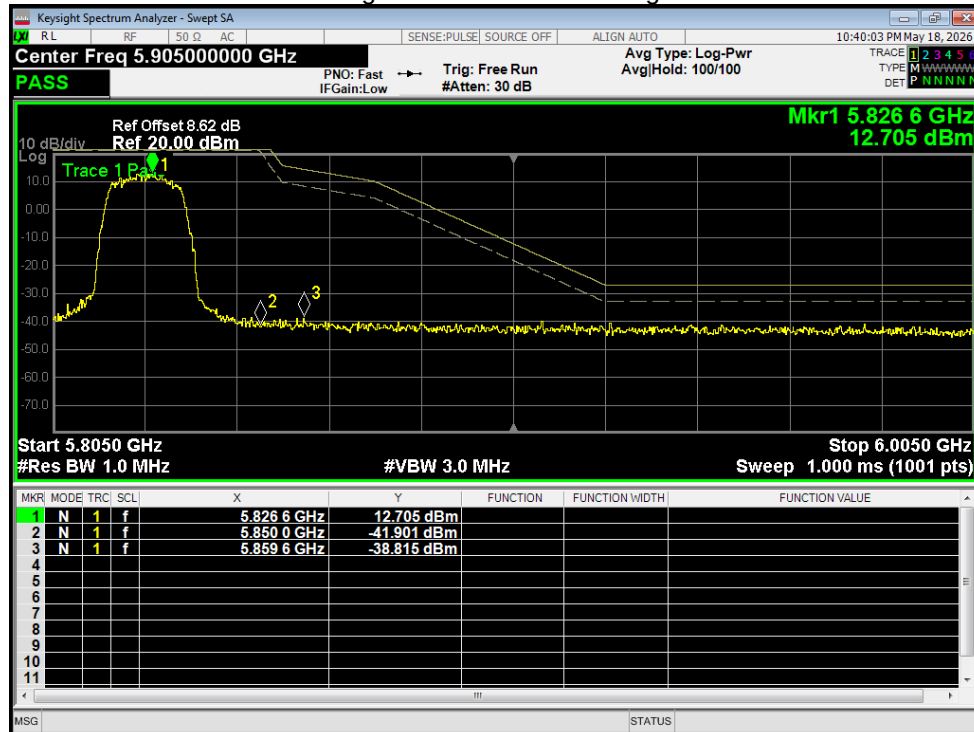
Note:

- 1.The calculated value of Max Value+Antenna meets the requirement of meeting the minimum limit of -27dBm/MHz, while also meeting the requirements of other limits
- 2.Antenna gain and cable loss data included in Offset.

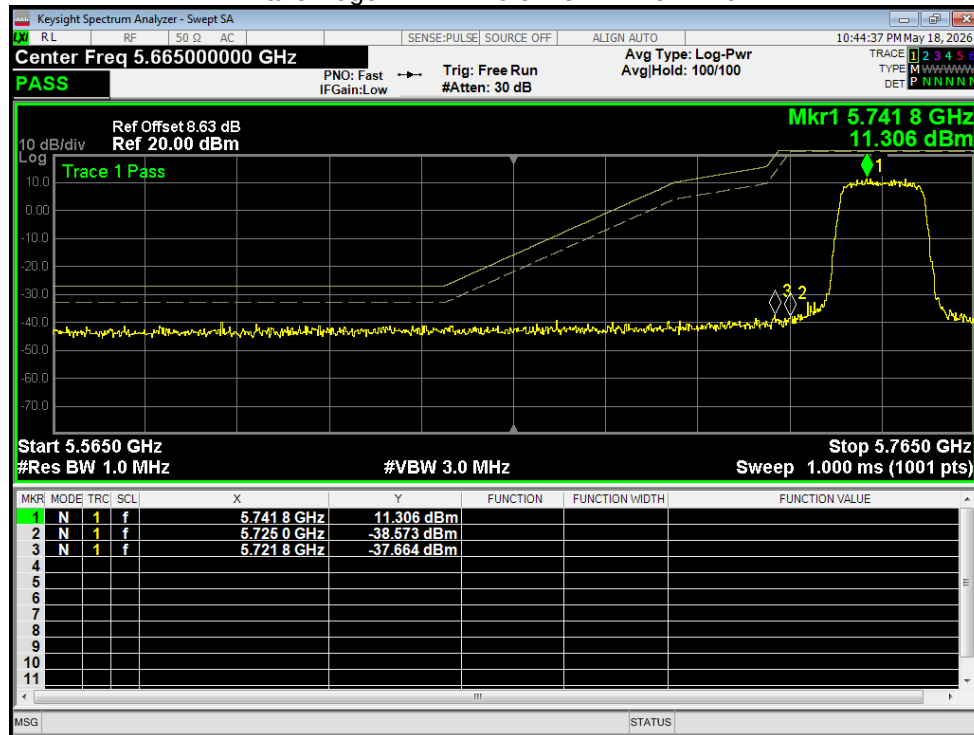
Band Edge NVNT a 5745MHz Low Ant1



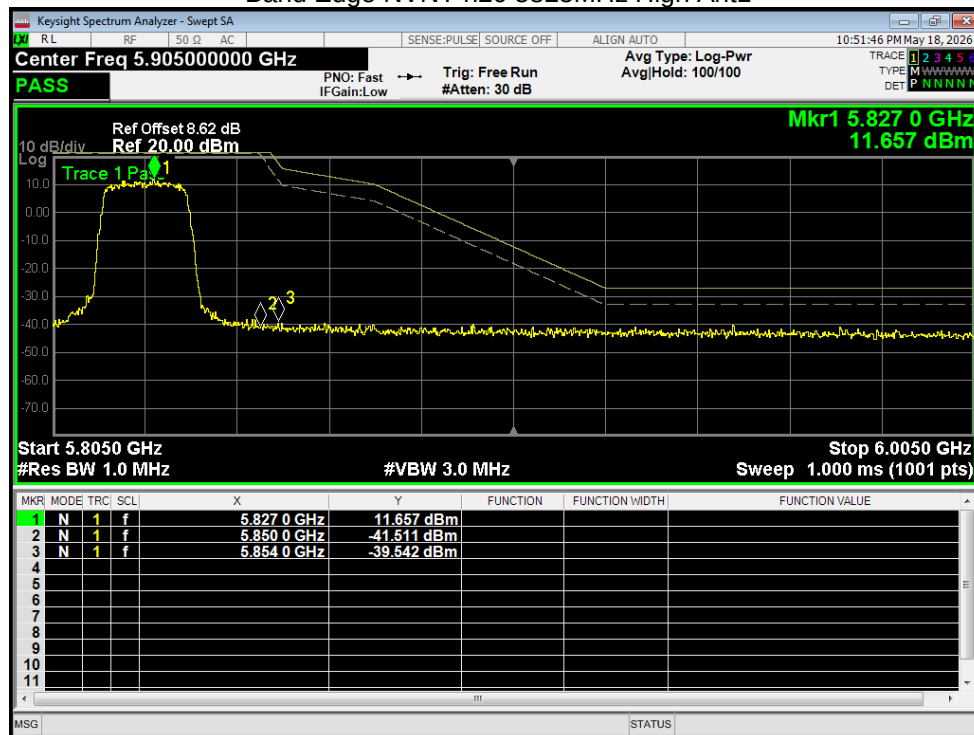
Band Edge NVNT a 5825MHz High Ant1



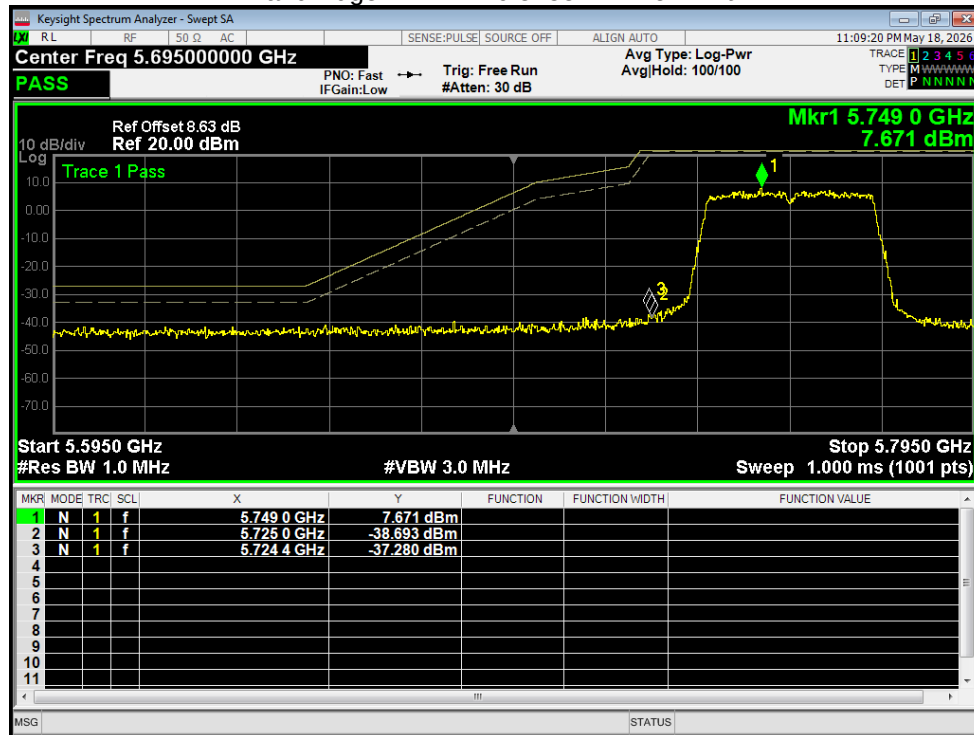
Band Edge NVNT n20 5745MHz Low Ant1



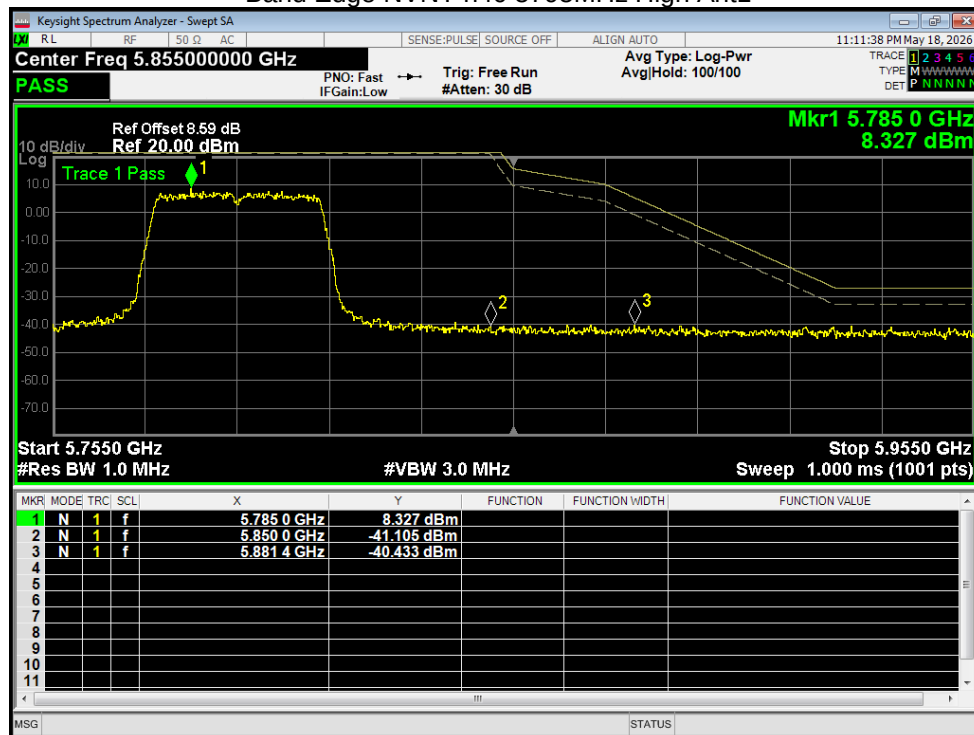
Band Edge NVNT n20 5825MHz High Ant1



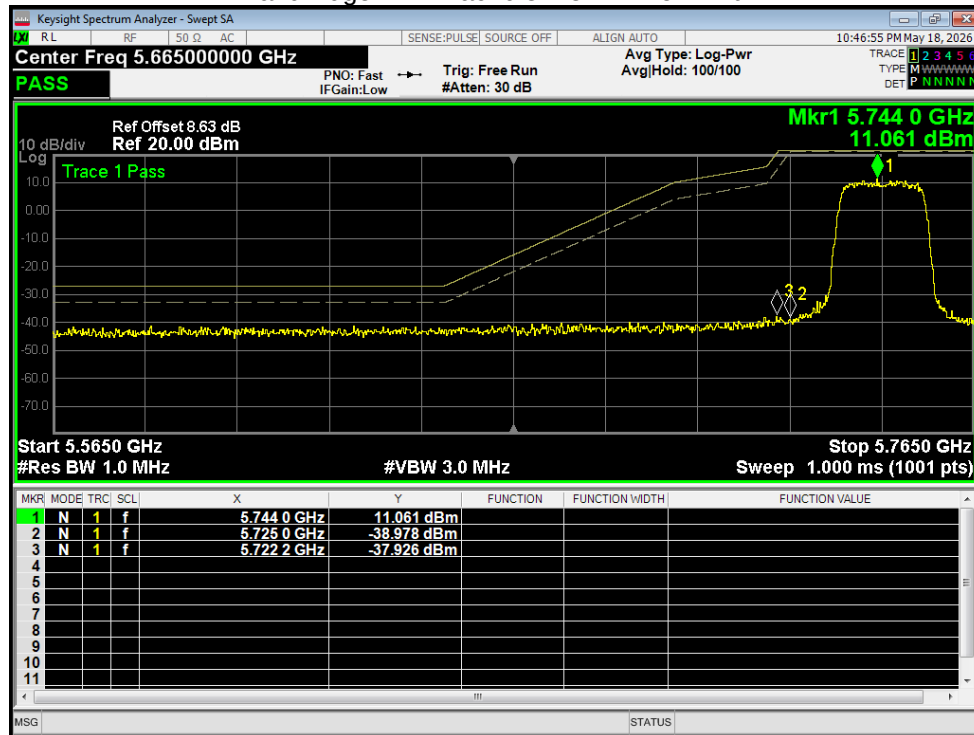
Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



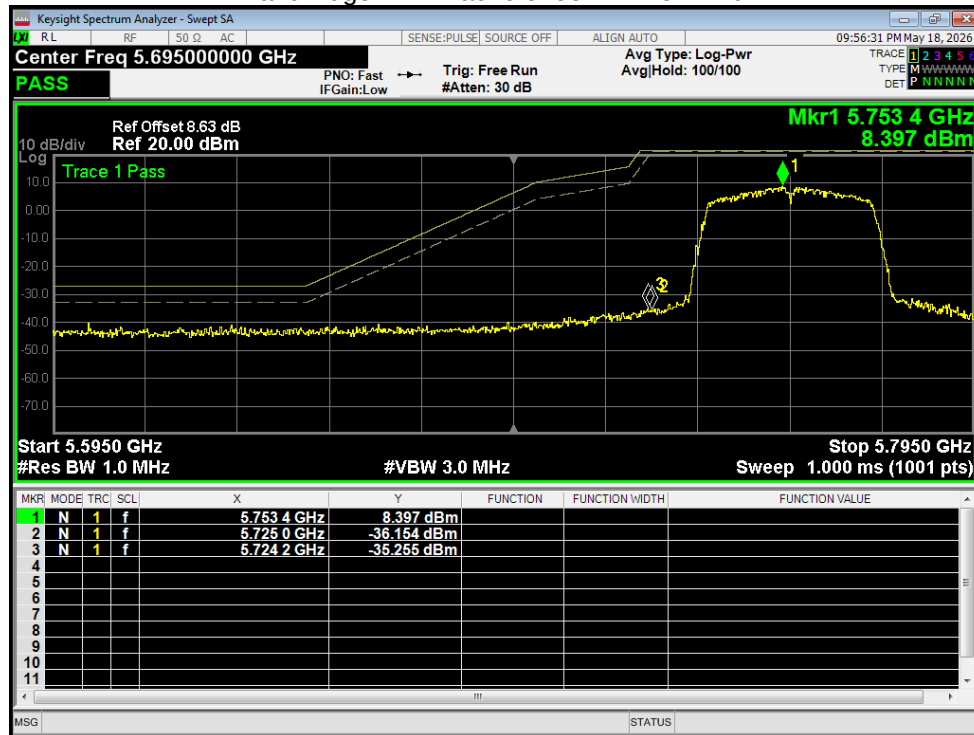
Band Edge NVNT ac20 5745MHz Low Ant1



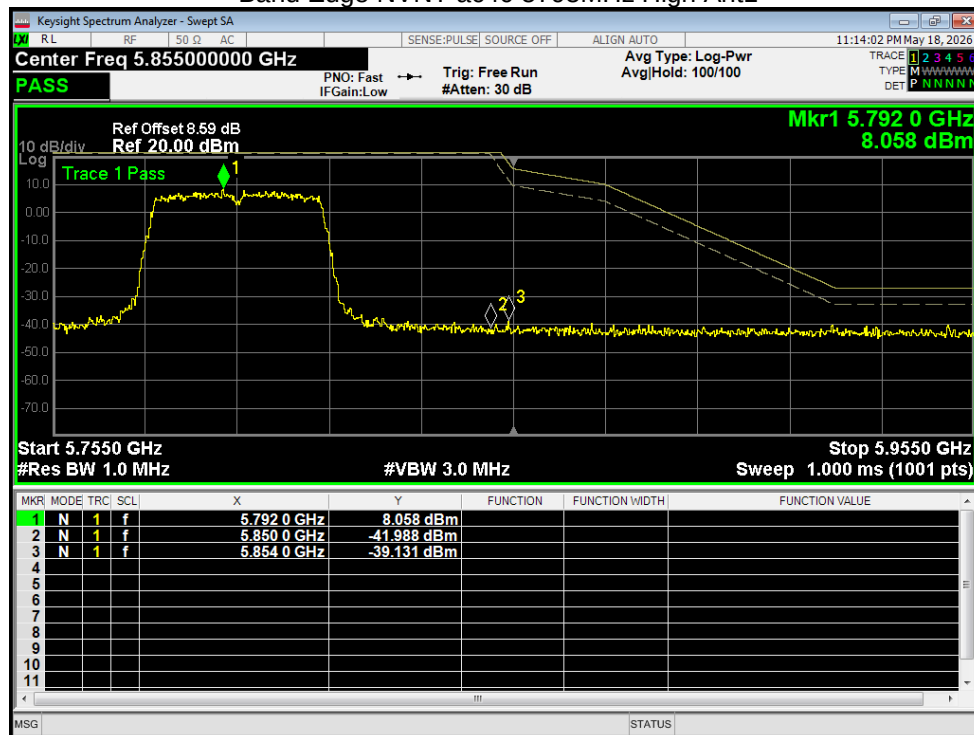
Band Edge NVNT ac20 5825MHz High Ant1



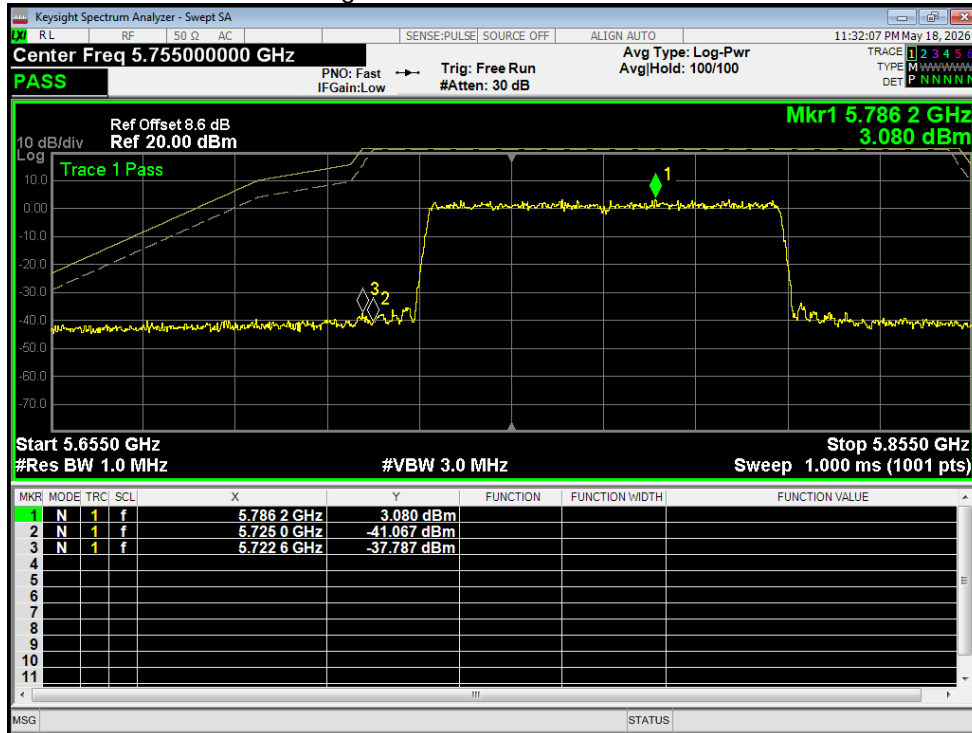
Band Edge NVNT ac40 5755MHz Low Ant1



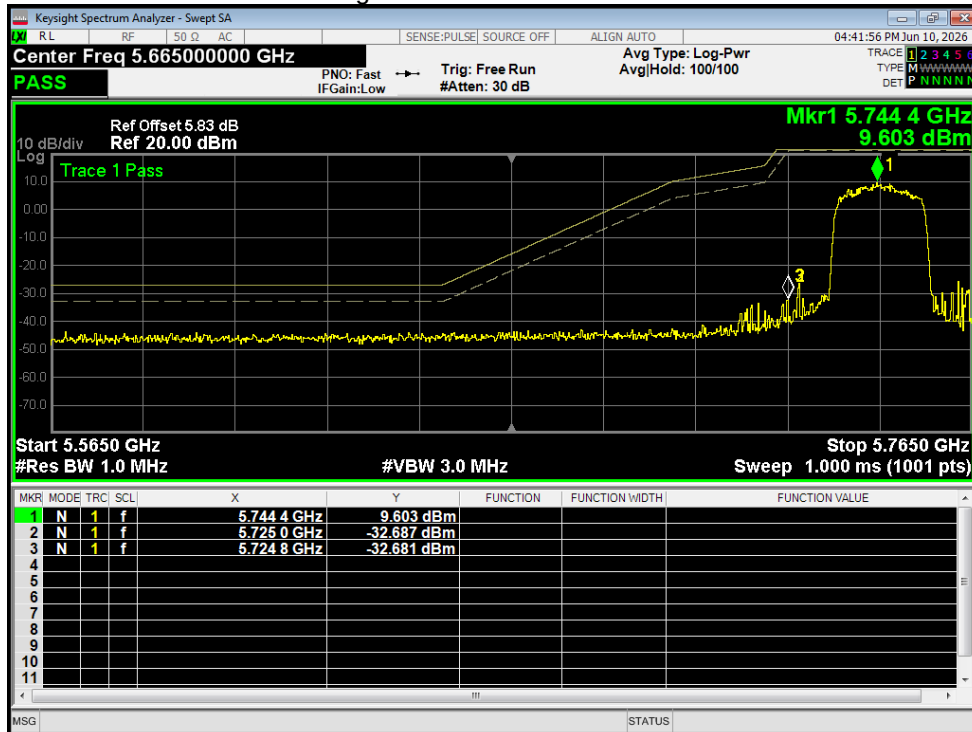
Band Edge NVNT ac40 5795MHz High Ant1



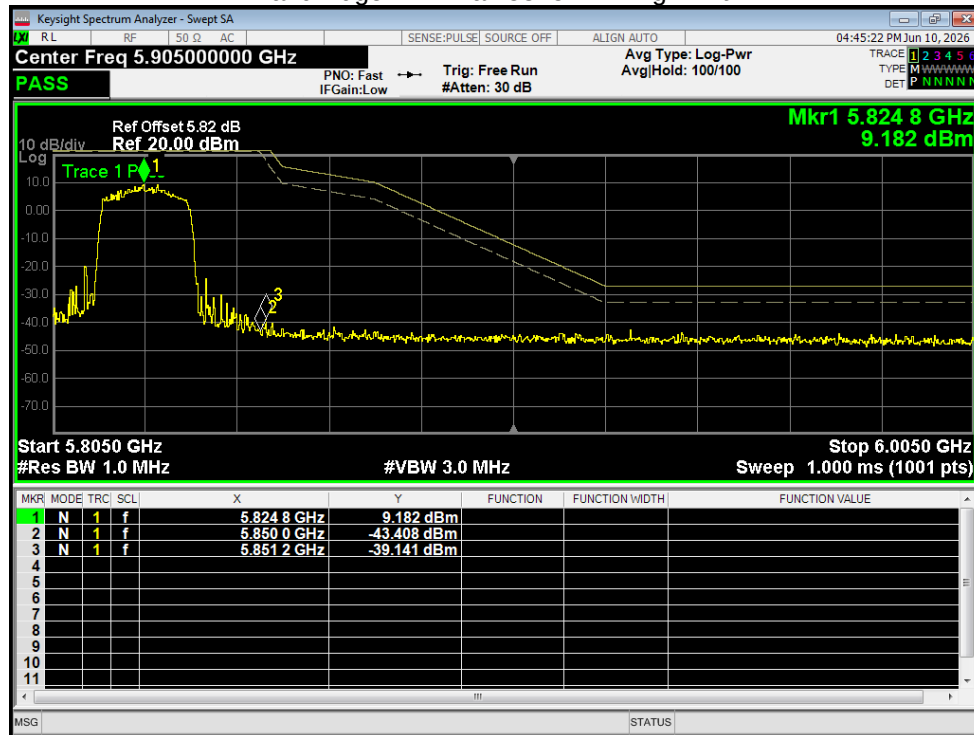
Band Edge NVNT ac80 5775MHz Low Ant1



Band Edge NVNT ax 5745MHz Low Ant1



Band Edge NVNT ax 5825MHz High Ant1



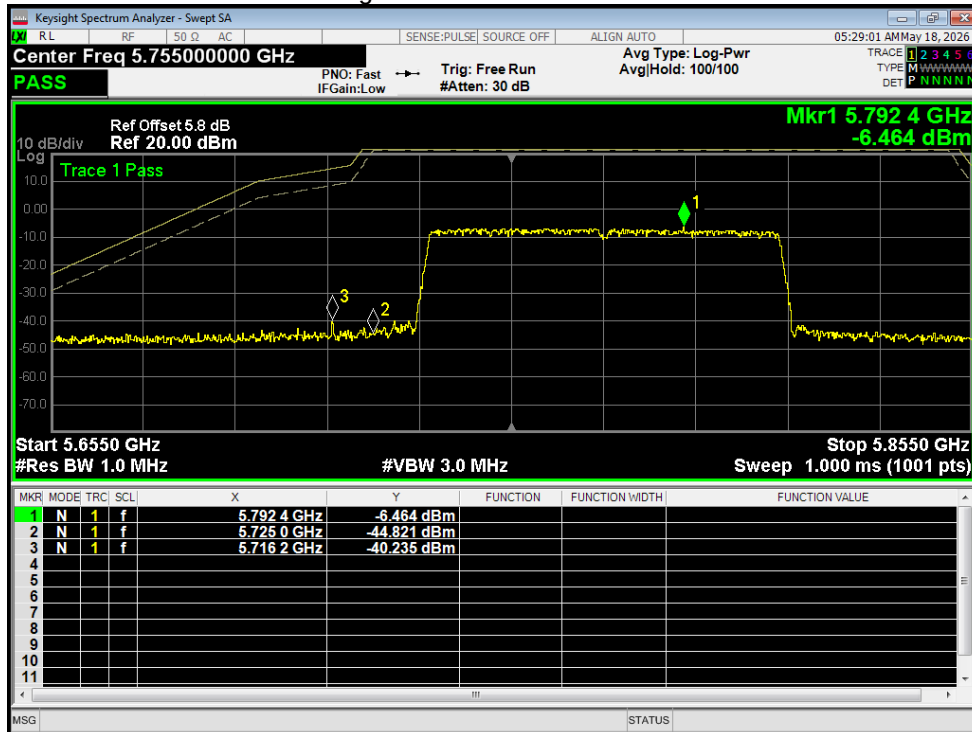
Band Edge NVNT ax 5755MHz Low Ant1



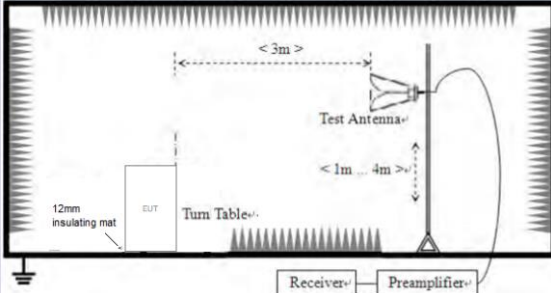
Band Edge NVNT ax 5795MHz High Ant1



Band Edge NVNT ax 5775MHz Mid Ant1



4.7.2 Radiated test Method

Test Requirement:	47CFR Part 15.209 and 15.205				
Test Method:	ANSI C63.10-2020+Cor.1-2023 § 6.10				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak AV	1MHz 1MHz	3MHz 3MHz	Peak Value Average Value
Limit:	Undesirable emission 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 EIRP of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. (3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz. 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.				
Test setup:					
Test Procedure:	- The device under test (EUT) is placed on a 12mm insulation pad above the ground rotating table, which is at a curvature position of 3 meters. Rotate the rotary table 360 degrees to determine the position with the highest radiation intensity. For the Above 1GHz test, the EUT transmitting antenna is located at 1.5m. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and				

	Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 1. The device under test (EUT) is placed on a 12mm insulation pad above the ground rotating table, which is at a curvature position of 3 meters. Rotate the rotary table 360 degrees to determine the position with the highest radiation intensity. For the Above 1GHz test, the EUT transmitting antenna is located at 1.5m. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 20.5°C	Humid.: 60%RH
Test voltage:	DC14.8V from Battery	
Test results:	Pass	

Remark:

1.Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2.The emission levels of other frequencies are very lower than the limit and not show in test report.

3.Two antennas are tested, only the worst case's (Main Antenna) data was showed.

4.The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

5.According to KDB 789033 D02v02r01 section G) 1) d),for measurements above 1000 MHz @3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2;$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 10 + 95.2 = 105.2\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 15.6 + 95.2 = 110.8\text{dBuV/m}.$$

$$E[\text{dBuV/m}] = 27 + 95.2 = 122.2\text{dBuV/m}$$



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IEEE 802.11a Operation Frequency:5180MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	45.96	-7.53	38.43	74.00	-35.57	Horizontal	PK
5150	45.25	-7.53	37.72	74.00	-36.28	Vertical	PK
5150	37.24	-7.53	29.71	54.00	-24.29	Horizontal	AV
5150	38.34	-7.53	30.81	54.00	-23.19	Vertical	AV

IEEE 802.11a Operation Frequency:5240MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	45.01	-7.06	37.95	74.00	-36.05	Horizontal	PK
5350	46.51	-7.06	39.45	74.00	-34.55	Vertical	PK
5350	36.40	-7.06	29.34	54.00	-24.66	Horizontal	AV
5350	37.99	-7.06	30.93	54.00	-23.07	Vertical	AV

IEEE 802.11n20 Operation Frequency:5180MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	46.44	-7.53	38.91	74.00	-35.09	Horizontal	PK
5150	46.74	-7.53	39.21	74.00	-34.79	Vertical	PK
5150	35.92	-7.53	28.39	54.00	-25.61	Horizontal	AV
5150	37.64	-7.53	30.11	54.00	-23.89	Vertical	AV

IEEE 802.11n20 Operation Frequency:5240MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	45.39	-7.06	38.33	74.00	-35.67	Horizontal	PK
5350	46.03	-7.06	38.97	74.00	-35.03	Vertical	PK
5350	35.92	-7.06	28.86	54.00	-25.14	Horizontal	AV
5350	36.30	-7.06	29.24	54.00	-24.76	Vertical	AV



IEEE 802.11ac20 Operation Frequency:5180MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	47.39	-7.53	39.86	74.00	-34.14	Horizontal	PK
5150	46.48	-7.53	38.95	74.00	-35.05	Vertical	PK
5150	38.25	-7.53	30.72	54.00	-23.28	Horizontal	AV
5150	37.54	-7.53	30.01	54.00	-23.99	Vertical	AV

IEEE 802.11ac20 Operation Frequency:5240MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	46.01	-7.06	38.95	74.00	-35.05	Horizontal	PK
5350	48.46	-7.06	41.40	74.00	-32.60	Vertical	PK
5350	35.43	-7.06	28.37	54.00	-25.63	Horizontal	AV
5350	37.94	-7.06	30.88	54.00	-23.12	Vertical	AV

IEEE 802.11ax20 Operation Frequency:5180MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	44.55	-7.53	37.02	74.00	-36.98	Horizontal	PK
5150	43.69	-7.53	36.16	74.00	-37.84	Vertical	PK
5150	35.96	-7.53	28.43	54.00	-25.58	Horizontal	AV
5150	35.29	-7.53	27.76	54.00	-26.24	Vertical	AV

IEEE 802.11ax20 Operation Frequency:5240MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	43.25	-7.06	36.19	74.00	-37.81	Horizontal	PK
5350	45.55	-7.06	38.49	74.00	-35.51	Vertical	PK
5350	33.30	-7.06	26.24	54.00	-27.76	Horizontal	AV
5350	35.66	-7.06	28.60	54.00	-25.40	Vertical	AV

IEEE 802.11n40 Operation Frequency:5190MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	47.10	-7.53	39.57	74.00	-34.43	Horizontal	PK
5150	46.53	-7.53	39.00	74.00	-35.00	Vertical	PK
5150	37.08	-7.53	29.55	54.00	-24.45	Horizontal	AV
5150	36.26	-7.53	28.73	54.00	-25.27	Vertical	AV

IEEE 802.11n40 Operation Frequency:5230MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	45.14	-7.06	38.08	74.00	-35.92	Horizontal	PK
5350	45.44	-7.06	38.38	74.00	-35.62	Vertical	PK
5350	37.35	-7.06	30.29	54.00	-23.71	Horizontal	AV
5350	36.28	-7.06	29.22	54.00	-24.78	Vertical	AV



IEEE 802.11ac40 Operation Frequency:5190MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	45.45	-7.53	37.92	74.00	-36.08	Horizontal	PK
5150	46.33	-7.53	38.80	74.00	-35.20	Vertical	PK
5150	36.85	-7.53	29.32	54.00	-24.68	Horizontal	AV
5150	37.06	-7.53	29.53	54.00	-24.47	Vertical	AV

IEEE 802.11ac40 Operation Frequency:5230MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	49.20	-7.06	42.14	74.00	-31.86	Horizontal	PK
5350	52.07	-7.06	45.01	74.00	-28.99	Vertical	PK
5350	38.34	-7.06	31.28	54.00	-22.72	Horizontal	AV
5350	40.06	-7.06	33.00	54.00	-21.00	Vertical	AV

IEEE 802.11ax40 Operation Frequency:5190MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	43.18	-7.53	35.65	74.00	-38.35	Horizontal	PK
5150	44.01	-7.53	36.48	74.00	-37.52	Vertical	PK
5150	35.01	-7.53	27.48	54.00	-26.52	Horizontal	AV
5150	35.21	-7.53	27.68	54.00	-26.32	Vertical	AV

IEEE 802.11ax40 Operation Frequency:5230MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	46.74	-7.06	39.68	74.00	-34.32	Horizontal	PK
5350	49.47	-7.06	42.41	74.00	-31.59	Vertical	PK
5350	36.42	-7.06	29.36	54.00	-24.64	Horizontal	AV
5350	38.06	-7.06	31.00	54.00	-23.00	Vertical	AV

IEEE 802.11ac80 Operation Frequency:5210MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	50.11	-7.53	42.58	74.00	-31.42	Horizontal	PK
5150	51.39	-7.53	43.86	74.00	-30.14	Vertical	PK
5150	39.37	-7.53	31.84	54.00	-22.16	Horizontal	AV
5150	41.21	-7.53	33.68	54.00	-20.32	Vertical	AV

IEEE 802.11ac80 Operation Frequency:5210MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	49.31	-7.06	42.25	74.00	-31.75	Horizontal	PK
5350	50.09	-7.06	43.03	74.00	-30.97	Vertical	PK
5350	38.46	-7.06	31.40	54.00	-22.60	Horizontal	AV
5350	40.28	-7.06	33.22	54.00	-20.78	Vertical	AV



IEEE 802.11ax80 Operation Frequency:5210MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5150	48.11	-7.53	40.58	74.00	-33.42	Horizontal	PK
5150	49.33	-7.53	41.80	74.00	-32.20	Vertical	PK
5150	37.80	-7.53	30.27	54.00	-23.73	Horizontal	AV
5150	39.56	-7.53	32.03	54.00	-21.97	Vertical	AV

IEEE 802.11ax80 Operation Frequency:5210MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5350	47.34	-7.06	40.28	74.00	-33.72	Horizontal	PK
5350	48.09	-7.06	41.03	74.00	-32.97	Vertical	PK
5350	36.92	-7.06	29.86	54.00	-24.14	Horizontal	AV
5350	38.67	-7.06	31.61	54.00	-22.39	Vertical	AV



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IEEE 802.11a							
Operation Frequency:5745MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	53.95	-6.34	47.61	68.20	-20.59	Horizontal	PK
5650	40.19	-6.34	33.85	54.00	-20.15	Horizontal	AV
5700	47.00	-6.22	40.78	105.20	-64.42	Horizontal	PK
5700	37.58	-6.22	31.36	54.00	-22.64	Horizontal	AV
5720	49.65	-6.17	43.48	110.80	-67.32	Horizontal	PK
5720	39.62	-6.17	33.45	54.00	-20.55	Horizontal	AV
5725	48.00	-6.16	41.84	122.20	-80.36	Horizontal	PK
5725	40.88	-6.16	34.72	54.00	-19.28	Horizontal	AV
5650	54.10	-6.34	47.76	68.20	-20.44	Vertical	PK
5650	40.91	-6.34	34.57	54.00	-19.43	Vertical	AV
5700	58.61	-6.22	52.39	105.20	-52.81	Vertical	PK
5700	45.78	-6.22	39.56	54.00	-14.44	Vertical	AV
5720	55.11	-6.17	48.94	110.80	-61.87	Vertical	PK
5720	47.01	-6.17	40.84	54.00	-13.16	Vertical	AV
5725	52.43	-6.16	46.27	122.20	-75.93	Vertical	PK
5725	41.45	-6.16	35.29	54.00	-18.71	Vertical	AV

IEEE 802.11a							
Operation Frequency:5825MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	53.28	-5.87	47.41	122.20	-74.79	Vertical	PK
5850	40.76	-5.87	34.89	54.00	-19.11	Vertical	AV
5855	53.52	-5.85	47.67	110.80	-63.13	Vertical	PK
5855	47.01	-5.85	41.16	54.00	-12.84	Vertical	AV
5875	51.83	-5.80	46.03	105.20	-59.17	Vertical	PK
5875	38.32	-5.80	32.52	54.00	-21.48	Vertical	AV
5925	50.94	-5.68	45.26	68.20	-22.94	Vertical	PK
5925	39.63	-5.68	33.95	54.00	-20.05	Vertical	AV
5850	48.33	-5.87	42.46	122.20	-79.74	Horizontal	PK
5850	39.34	-5.87	33.47	54.00	-20.53	Horizontal	AV
5855	47.51	-5.85	41.66	110.80	-69.14	Horizontal	PK
5855	38.56	-5.85	32.71	54.00	-21.29	Horizontal	AV
5875	51.21	-5.80	45.41	105.20	-59.79	Horizontal	PK
5875	39.93	-5.80	34.13	54.00	-19.87	Horizontal	AV
5925	50.56	-5.68	44.88	68.20	-23.32	Horizontal	PK
5925	39.18	-5.68	33.50	54.00	-20.50	Horizontal	AV



IEEE 802.11n20							
Operation Frequency:5745MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	48.76	-6.34	42.42	68.20	-25.78	Horizontal	PK
5650	35.82	-6.34	29.48	54.00	-24.52	Horizontal	AV
5700	46.13	-6.22	39.91	105.20	-65.29	Horizontal	PK
5700	34.39	-6.22	28.17	54.00	-25.83	Horizontal	AV
5720	49.51	-6.17	43.34	110.80	-67.46	Horizontal	PK
5720	37.70	-6.17	31.53	54.00	-22.47	Horizontal	AV
5725	51.03	-6.16	44.87	122.20	-77.33	Horizontal	PK
5725	38.89	-6.16	32.73	54.00	-21.27	Horizontal	AV
5650	51.46	-6.34	45.12	68.20	-23.08	Vertical	PK
5650	38.92	-6.34	32.58	54.00	-21.42	Vertical	AV
5700	49.99	-6.22	43.77	105.20	-61.43	Vertical	PK
5700	40.68	-6.22	34.46	54.00	-19.54	Vertical	AV
5720	50.50	-6.17	44.33	110.80	-66.47	Vertical	PK
5720	41.84	-6.17	35.67	54.00	-18.33	Vertical	AV
5725	49.87	-6.16	43.71	122.20	-78.49	Vertical	PK
5725	40.39	-6.16	34.23	54.00	-19.77	Vertical	AV

IEEE 802.11n20							
Operation Frequency:5825MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	49.87	-5.87	44.00	122.20	-78.20	Vertical	PK
5850	38.87	-5.87	33.00	54.00	-21.00	Vertical	AV
5855	50.02	-5.85	44.17	110.80	-66.63	Vertical	PK
5855	39.92	-5.85	34.07	54.00	-19.93	Vertical	AV
5875	49.30	-5.80	43.50	105.20	-61.70	Vertical	PK
5875	36.46	-5.80	30.66	54.00	-23.34	Vertical	AV
5925	48.46	-5.68	42.78	68.20	-25.42	Vertical	PK
5925	37.71	-5.68	32.03	54.00	-21.97	Vertical	AV
5850	45.98	-5.87	40.11	122.20	-82.09	Horizontal	PK
5850	36.00	-5.87	30.13	54.00	-23.87	Horizontal	AV
5855	48.07	-5.85	42.22	110.80	-68.58	Horizontal	PK
5855	37.53	-5.85	31.68	54.00	-22.32	Horizontal	AV
5875	49.29	-5.80	43.49	105.20	-61.71	Horizontal	PK
5875	37.21	-5.80	31.41	54.00	-22.59	Horizontal	AV
5925	50.88	-5.68	45.20	68.20	-23.00	Horizontal	PK
5925	41.00	-5.68	35.32	54.00	-18.68	Horizontal	AV



IEEE 802.11ac20							
Operation Frequency:5745MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	49.70	-6.34	43.36	68.20	-24.84	Horizontal	PK
5650	36.99	-6.34	30.65	54.00	-23.35	Horizontal	AV
5700	47.89	-6.22	41.67	105.20	-63.53	Horizontal	PK
5700	37.35	-6.22	31.13	54.00	-22.87	Horizontal	AV
5720	47.37	-6.17	41.20	110.80	-69.60	Horizontal	PK
5720	38.12	-6.17	31.95	54.00	-22.05	Horizontal	AV
5725	49.72	-6.16	43.56	122.20	-78.64	Horizontal	PK
5725	38.92	-6.16	32.76	54.00	-21.24	Horizontal	AV
5650	49.47	-6.34	43.13	68.20	-25.07	Vertical	PK
5650	37.20	-6.34	30.86	54.00	-23.14	Vertical	AV
5700	49.72	-6.22	43.50	105.20	-61.70	Vertical	PK
5700	37.93	-6.22	31.71	54.00	-22.29	Vertical	AV
5720	49.19	-6.17	43.02	110.80	-67.78	Vertical	PK
5720	37.83	-6.17	31.66	54.00	-22.34	Vertical	AV
5725	49.73	-6.16	43.57	122.20	-78.63	Vertical	PK
5725	38.16	-6.16	32.00	54.00	-22.00	Vertical	AV

IEEE 802.11ac20							
Operation Frequency:5825MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	49.14	-5.87	43.27	122.20	-78.93	Vertical	PK
5850	40.66	-5.87	34.79	54.00	-19.21	Vertical	AV
5855	50.87	-5.85	45.02	110.80	-65.78	Vertical	PK
5855	39.81	-5.85	33.96	54.00	-20.04	Vertical	AV
5875	48.17	-5.80	42.37	105.20	-62.83	Vertical	PK
5875	36.85	-5.80	31.05	54.00	-22.95	Vertical	AV
5925	46.91	-5.68	41.23	68.20	-26.97	Vertical	PK
5925	37.24	-5.68	31.56	54.00	-22.44	Vertical	AV
5850	48.66	-5.87	42.79	122.20	-79.41	Horizontal	PK
5850	36.83	-5.87	30.96	54.00	-23.04	Horizontal	AV
5855	47.03	-5.85	41.18	110.80	-69.62	Horizontal	PK
5855	35.84	-5.85	29.99	54.00	-24.01	Horizontal	AV
5875	47.88	-5.80	42.08	105.20	-63.12	Horizontal	PK
5875	36.56	-5.80	30.76	54.00	-23.24	Horizontal	AV
5925	48.78	-5.68	43.10	68.20	-25.10	Horizontal	PK
5925	38.52	-5.68	32.84	54.00	-21.16	Horizontal	AV



IEEE 802.11ax20							
Operation Frequency:5745MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	48.71	-6.34	42.37	68.20	-25.83	Horizontal	PK
5650	36.25	-6.34	29.91	54.00	-24.09	Horizontal	AV
5700	46.93	-6.22	40.71	105.20	-64.49	Horizontal	PK
5700	36.60	-6.22	30.38	54.00	-23.62	Horizontal	AV
5720	46.42	-6.17	40.25	110.80	-70.55	Horizontal	PK
5720	37.36	-6.17	31.19	54.00	-22.81	Horizontal	AV
5725	48.73	-6.16	42.57	122.20	-79.63	Horizontal	PK
5725	38.14	-6.16	31.98	54.00	-22.02	Horizontal	AV
5650	48.48	-6.34	42.14	68.20	-26.06	Vertical	PK
5650	36.46	-6.34	30.12	54.00	-23.88	Vertical	AV
5700	48.73	-6.22	42.51	105.20	-62.69	Vertical	PK
5700	37.17	-6.22	30.95	54.00	-23.05	Vertical	AV
5720	48.21	-6.17	42.04	110.80	-68.76	Vertical	PK
5720	37.07	-6.17	30.90	54.00	-23.10	Vertical	AV
5725	48.74	-6.16	42.58	122.20	-79.62	Vertical	PK
5725	37.40	-6.16	31.24	54.00	-22.76	Vertical	AV

IEEE 802.11ax20							
Operation Frequency:5825MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	48.16	-5.87	42.29	122.20	-79.91	Vertical	PK
5850	39.85	-5.87	33.98	54.00	-20.02	Vertical	AV
5855	49.85	-5.85	44.00	110.80	-66.80	Vertical	PK
5855	39.01	-5.85	33.16	54.00	-20.84	Vertical	AV
5875	47.21	-5.80	41.41	105.20	-63.79	Vertical	PK
5875	36.11	-5.80	30.31	54.00	-23.69	Vertical	AV
5925	45.97	-5.68	40.29	68.20	-27.91	Vertical	PK
5925	36.50	-5.68	30.82	54.00	-23.18	Vertical	AV
5850	47.69	-5.87	41.82	122.20	-80.38	Horizontal	PK
5850	36.09	-5.87	30.22	54.00	-23.78	Horizontal	AV
5855	46.09	-5.85	40.24	110.80	-70.56	Horizontal	PK
5855	35.12	-5.85	29.27	54.00	-24.73	Horizontal	AV
5875	46.92	-5.80	41.12	105.20	-64.08	Horizontal	PK
5875	35.83	-5.80	30.03	54.00	-23.97	Horizontal	AV
5925	47.80	-5.68	42.12	68.20	-26.08	Horizontal	PK
5925	37.75	-5.68	32.07	54.00	-21.93	Horizontal	AV



IEEE 802.11n40							
Operation Frequency:5755MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	49.42	-6.34	43.08	68.20	-25.12	Horizontal	PK
5650	37.89	-6.34	31.55	54.00	-22.45	Horizontal	AV
5700	48.44	-6.22	42.22	105.20	-62.98	Horizontal	PK
5700	36.85	-6.22	30.63	54.00	-23.37	Horizontal	AV
5720	48.78	-6.17	42.61	110.80	-68.19	Horizontal	PK
5720	37.53	-6.17	31.36	54.00	-22.64	Horizontal	AV
5725	50.39	-6.16	44.23	122.20	-77.97	Horizontal	PK
5725	38.80	-6.16	32.64	54.00	-21.36	Horizontal	AV
5650	47.66	-6.34	41.32	68.20	-26.88	Vertical	PK
5650	38.31	-6.34	31.97	54.00	-22.03	Vertical	AV
5700	49.34	-6.22	43.12	105.20	-62.08	Vertical	PK
5700	39.24	-6.22	33.02	54.00	-20.98	Vertical	AV
5720	48.73	-6.17	42.56	110.80	-68.24	Vertical	PK
5720	38.63	-6.17	32.46	54.00	-21.54	Vertical	AV
5725	49.25	-6.16	43.09	122.20	-79.11	Vertical	PK
5725	37.97	-6.16	31.81	54.00	-22.19	Vertical	AV

IEEE 802.11n40							
Operation Frequency:5795MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	50.03	-5.87	44.16	122.20	-78.04	Vertical	PK
5850	40.02	-5.87	34.15	54.00	-19.85	Vertical	AV
5855	49.89	-5.85	44.04	110.80	-66.76	Vertical	PK
5855	39.09	-5.85	33.24	54.00	-20.76	Vertical	AV
5875	49.23	-5.80	43.43	105.20	-61.77	Vertical	PK
5875	38.38	-5.80	32.58	54.00	-21.42	Vertical	AV
5925	47.73	-5.68	42.05	68.20	-26.15	Vertical	PK
5925	37.67	-5.68	31.99	54.00	-22.01	Vertical	AV
5850	48.00	-5.87	42.13	122.20	-80.07	Horizontal	PK
5850	37.13	-5.87	31.26	54.00	-22.74	Horizontal	AV
5855	46.72	-5.85	40.87	110.80	-69.93	Horizontal	PK
5855	36.10	-5.85	30.25	54.00	-23.75	Horizontal	AV
5875	49.38	-5.80	43.58	105.20	-61.62	Horizontal	PK
5875	36.37	-5.80	30.57	54.00	-23.43	Horizontal	AV
5925	46.98	-5.68	41.30	68.20	-26.90	Horizontal	PK
5925	37.81	-5.68	32.13	54.00	-21.87	Horizontal	AV



IEEE 802.11ac40							
Operation Frequency:5755MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	48.74	-6.34	42.40	68.20	-25.80	Horizontal	PK
5650	37.30	-6.34	30.96	54.00	-23.04	Horizontal	AV
5700	49.32	-6.22	43.10	105.20	-62.10	Horizontal	PK
5700	39.27	-6.22	33.05	54.00	-20.95	Horizontal	AV
5720	49.47	-6.17	43.30	110.80	-67.50	Horizontal	PK
5720	39.10	-6.17	32.93	54.00	-21.07	Horizontal	AV
5725	50.58	-6.16	44.42	122.20	-77.78	Horizontal	PK
5725	40.64	-6.16	34.48	54.00	-19.52	Horizontal	AV
5650	51.24	-6.34	44.90	68.20	-23.30	Vertical	PK
5650	40.31	-6.34	33.97	54.00	-20.03	Vertical	AV
5700	48.47	-6.22	42.25	105.20	-62.95	Vertical	PK
5700	39.69	-6.22	33.47	54.00	-20.53	Vertical	AV
5720	47.72	-6.17	41.55	110.80	-69.25	Vertical	PK
5720	37.27	-6.17	31.10	54.00	-22.90	Vertical	AV
5725	48.19	-6.16	42.03	122.20	-80.17	Vertical	PK
5725	38.19	-6.16	32.03	54.00	-21.97	Vertical	AV

IEEE 802.11ac40							
Operation Frequency:5795MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	50.84	-5.87	44.97	122.20	-77.23	Vertical	PK
5850	39.51	-5.87	33.64	54.00	-20.36	Vertical	AV
5855	49.12	-5.85	43.27	110.80	-67.53	Vertical	PK
5855	40.29	-5.85	34.44	54.00	-19.56	Vertical	AV
5875	51.10	-5.80	45.30	105.20	-59.90	Vertical	PK
5875	38.87	-5.80	33.07	54.00	-20.93	Vertical	AV
5925	49.65	-5.68	43.97	68.20	-24.23	Vertical	PK
5925	39.31	-5.68	33.63	54.00	-20.37	Vertical	AV
5850	48.48	-5.87	42.61	122.20	-79.59	Horizontal	PK
5850	38.39	-5.87	32.52	54.00	-21.48	Horizontal	AV
5855	48.31	-5.85	42.46	110.80	-68.34	Horizontal	PK
5855	37.56	-5.85	31.71	54.00	-22.29	Horizontal	AV
5875	50.74	-5.80	44.94	105.20	-60.26	Horizontal	PK
5875	38.41	-5.80	32.61	54.00	-21.39	Horizontal	AV
5925	50.69	-5.68	45.01	68.20	-23.19	Horizontal	PK
5925	39.61	-5.68	33.93	54.00	-20.07	Horizontal	AV



IEEE 802.11ax40							
Operation Frequency:5755MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	44.84	-6.34	38.50	68.20	-29.70	Horizontal	PK
5650	34.32	-6.34	27.98	54.00	-26.02	Horizontal	AV
5700	45.37	-6.22	39.15	105.20	-66.05	Horizontal	PK
5700	36.13	-6.22	29.91	54.00	-24.09	Horizontal	AV
5720	45.51	-6.17	39.34	110.80	-71.46	Horizontal	PK
5720	35.97	-6.17	29.80	54.00	-24.20	Horizontal	AV
5725	46.53	-6.16	40.37	122.20	-81.83	Horizontal	PK
5725	37.39	-6.16	31.23	54.00	-22.77	Horizontal	AV
5650	47.14	-6.34	40.80	68.20	-27.40	Vertical	PK
5650	37.09	-6.34	30.75	54.00	-23.25	Vertical	AV
5700	44.59	-6.22	38.37	105.20	-66.83	Vertical	PK
5700	36.51	-6.22	30.29	54.00	-23.71	Vertical	AV
5720	43.90	-6.17	37.73	110.80	-73.07	Vertical	PK
5720	34.29	-6.17	28.12	54.00	-25.88	Vertical	AV
5725	44.33	-6.16	38.17	122.20	-84.03	Vertical	PK
5725	35.13	-6.16	28.97	54.00	-25.03	Vertical	AV

IEEE 802.11ax40							
Operation Frequency:5795MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	46.77	-5.87	40.90	122.20	-81.30	Vertical	PK
5850	36.35	-5.87	30.48	54.00	-23.52	Vertical	AV
5855	45.19	-5.85	39.34	110.80	-71.46	Vertical	PK
5855	37.07	-5.85	31.22	54.00	-22.78	Vertical	AV
5875	47.01	-5.80	41.21	105.20	-63.99	Vertical	PK
5875	35.76	-5.80	29.96	54.00	-24.04	Vertical	AV
5925	45.68	-5.68	40.00	68.20	-28.20	Vertical	PK
5925	36.17	-5.68	30.49	54.00	-23.51	Vertical	AV
5850	44.60	-5.87	38.73	122.20	-83.47	Horizontal	PK
5850	35.32	-5.87	29.45	54.00	-24.55	Horizontal	AV
5855	44.45	-5.85	38.60	110.80	-72.20	Horizontal	PK
5855	34.56	-5.85	28.71	54.00	-25.29	Horizontal	AV
5875	46.68	-5.80	40.88	105.20	-64.32	Horizontal	PK
5875	35.34	-5.80	29.54	54.00	-24.46	Horizontal	AV
5925	46.63	-5.68	40.95	68.20	-27.25	Horizontal	PK
5925	36.44	-5.68	30.76	54.00	-23.24	Horizontal	AV



IEEE 802.11ac80 Operation Frequency:5775MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	43.99	-6.34	37.65	68.20	-30.55	Horizontal	PK
5650	32.92	-6.34	26.58	54.00	-27.42	Horizontal	AV
5700	41.73	-6.22	35.51	105.20	-69.69	Horizontal	PK
5700	31.68	-6.22	25.46	54.00	-28.54	Horizontal	AV
5720	44.63	-6.17	38.46	110.80	-72.34	Horizontal	PK
5720	34.52	-6.17	28.35	54.00	-25.65	Horizontal	AV
5725	45.94	-6.16	39.78	122.20	-82.42	Horizontal	PK
5725	35.54	-6.16	29.38	54.00	-24.62	Horizontal	AV
5650	46.30	-6.34	39.96	68.20	-28.24	Vertical	PK
5650	35.58	-6.34	29.24	54.00	-24.76	Vertical	AV
5700	49.99	-6.22	43.77	105.20	-61.43	Vertical	PK
5700	39.54	-6.22	33.32	54.00	-20.68	Vertical	AV
5720	47.14	-6.17	40.97	110.80	-69.83	Vertical	PK
5720	40.55	-6.17	34.38	54.00	-19.62	Vertical	AV
5725	44.94	-6.16	38.78	122.20	-83.42	Vertical	PK
5725	36.01	-6.16	29.85	54.00	-24.15	Vertical	AV

IEEE 802.11ac80 Operation Frequency:5775MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	52.96	-5.87	47.09	122.20	-75.11	Vertical	PK
5850	40.24	-5.87	34.37	54.00	-19.63	Vertical	AV
5855	49.80	-5.85	43.95	110.80	-66.85	Vertical	PK
5855	41.14	-5.85	35.29	54.00	-18.71	Vertical	AV
5875	45.06	-5.80	39.26	105.20	-65.94	Vertical	PK
5875	34.06	-5.80	28.26	54.00	-25.74	Vertical	AV
5925	44.36	-5.68	38.68	68.20	-29.52	Vertical	PK
5925	35.14	-5.68	29.46	54.00	-24.54	Vertical	AV
5850	42.21	-5.87	36.34	122.20	-85.86	Horizontal	PK
5850	32.03	-5.87	26.16	54.00	-27.84	Horizontal	AV
5855	40.70	-5.85	34.85	110.80	-75.95	Horizontal	PK
5855	32.52	-5.85	26.67	54.00	-27.33	Horizontal	AV
5875	45.05	-5.80	39.25	105.20	-65.95	Horizontal	PK
5875	34.71	-5.80	28.91	54.00	-25.09	Horizontal	AV
5925	53.00	-5.68	47.32	68.20	-20.88	Horizontal	PK
5925	37.95	-5.68	32.27	54.00	-21.73	Horizontal	AV



IEEE 802.11ax80 Operation Frequency:5775MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5650	48.16	-6.34	41.82	68.20	-26.38	Horizontal	PK
5650	36.04	-6.34	29.70	54.00	-24.30	Horizontal	AV
5700	45.69	-6.22	39.47	105.20	-65.73	Horizontal	PK
5700	34.68	-6.22	28.46	54.00	-25.54	Horizontal	AV
5720	48.86	-6.17	42.69	110.80	-68.11	Horizontal	PK
5720	37.79	-6.17	31.62	54.00	-22.38	Horizontal	AV
5725	50.29	-6.16	44.13	122.20	-78.07	Horizontal	PK
5725	38.91	-6.16	32.75	54.00	-21.25	Horizontal	AV
5650	50.69	-6.34	44.35	68.20	-23.85	Vertical	PK
5650	38.95	-6.34	32.61	54.00	-21.39	Vertical	AV
5700	54.72	-6.22	48.50	105.20	-56.70	Vertical	PK
5700	43.28	-6.22	37.06	54.00	-16.94	Vertical	AV
5720	51.60	-6.17	45.43	110.80	-65.37	Vertical	PK
5720	44.39	-6.17	38.22	54.00	-15.78	Vertical	AV
5725	49.20	-6.16	43.04	122.20	-79.16	Vertical	PK
5725	39.43	-6.16	33.27	54.00	-20.73	Vertical	AV

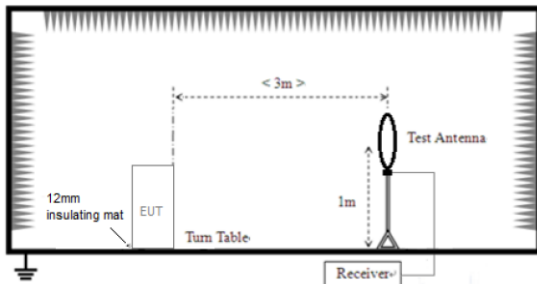
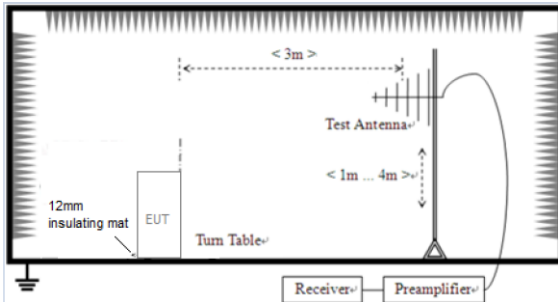
IEEE 802.11ax80 Operation Frequency:5775MHz							
Frequency (MHz)	Read Level (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Detect or Type
5850	57.98	-5.87	52.11	122.20	-70.09	Vertical	PK
5850	44.05	-5.87	38.18	54.00	-15.82	Vertical	AV
5855	54.52	-5.85	48.67	110.80	-62.13	Vertical	PK
5855	45.04	-5.85	39.19	54.00	-14.81	Vertical	AV
5875	49.33	-5.80	43.53	105.20	-61.67	Vertical	PK
5875	37.28	-5.80	31.48	54.00	-22.52	Vertical	AV
5925	48.56	-5.68	42.88	68.20	-25.32	Vertical	PK
5925	38.47	-5.68	32.79	54.00	-21.21	Vertical	AV
5850	46.21	-5.87	40.34	122.20	-81.86	Horizontal	PK
5850	35.07	-5.87	29.20	54.00	-24.80	Horizontal	AV
5855	44.55	-5.85	38.70	110.80	-72.10	Horizontal	PK
5855	35.60	-5.85	29.75	54.00	-24.25	Horizontal	AV
5875	49.32	-5.80	43.52	105.20	-61.68	Horizontal	PK
5875	38.00	-5.80	32.20	54.00	-21.80	Horizontal	AV
5925	58.02	-5.68	52.34	68.20	-15.86	Horizontal	PK
5925	41.55	-5.68	35.87	54.00	-18.13	Horizontal	AV

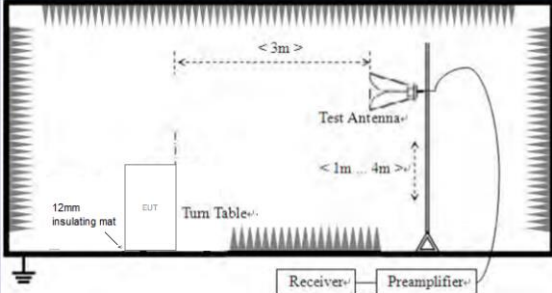
Remark:

Factor =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

4.8 Spurious Emission

4.8.1 Radiated Emission Method

Test Requirement:	47CFR Part 15.209, Part 15E Section 15.407(b)(4)				
Test Method:	ANSI C63.10-2020+Cor.1-2023§6.4&6.5&6.6				
Test Frequency Range:	9kHz to 40GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9kHz-150KHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	360KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (uV/m)	Value	Measurement Distance
	0.009MHz-0.490MHz		2400/F(KHz)	QP	300m
	0.490MHz-1.705MHz		24000/F(KHz)	QP	300m
	1.705MHz-30MHz		30	QP	30m
	30MHz-88MHz		100	QP	3m
	88MHz-216MHz		150	QP	
	216MHz-960MHz		200	QP	
	960MHz-1GHz		500	QP	
	Frequency		Limit (dBm/MHz)	Remark	
	Above 1GHz		-27.0	Peak Value	
Test setup:	For radiated emissions from 9kHz to 30MHz				
					
	For radiated emissions from 30MHz to1GHz				
					
	For radiated emissions above 1GHz				

	
Test Procedure:	1. Place the EUT on a 12mm insulation pad at the top of the rotating table above the ground. Rotate the table 360 degrees to determine the position of the highest radiation. For the Above 1GHz test, the EUT transmitting antenna is located at 1.5m. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Remarks:

1. The report only shows the worst mode.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.
3. All models and modes have been tested, and the report only displays the worst mode 802.11ac20 data.

Measurement Data:

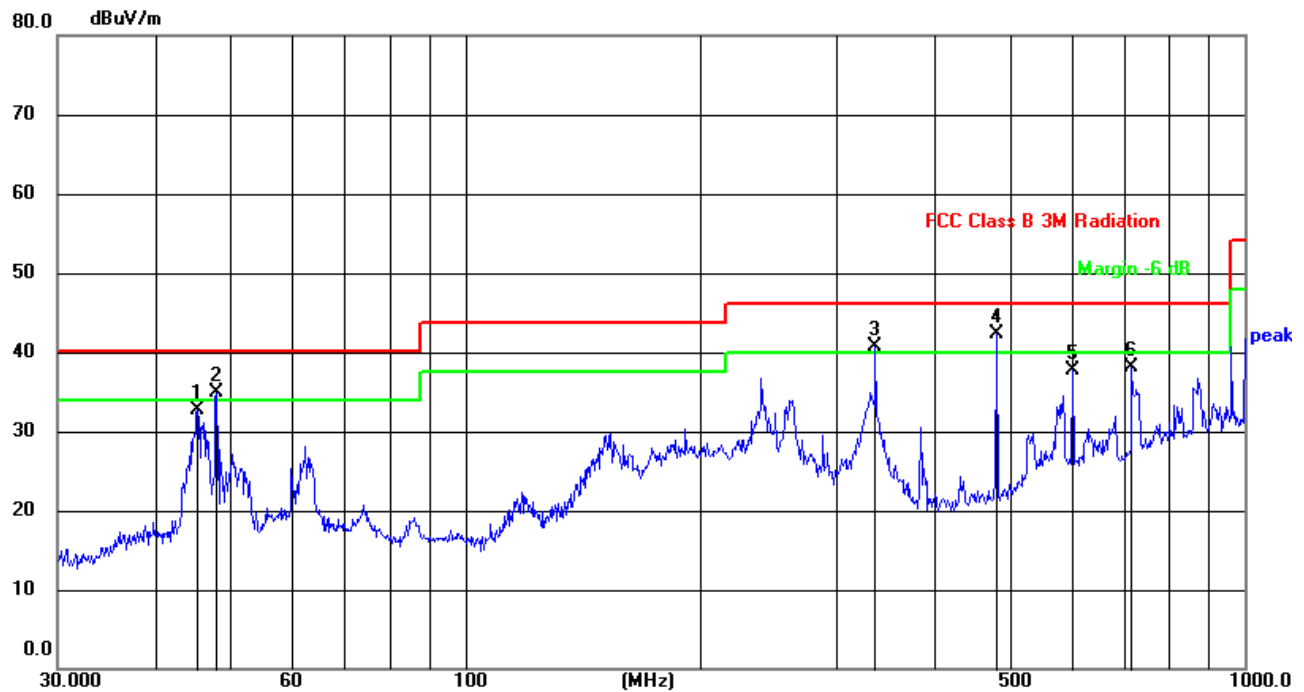
9 kHz ~ 30 MHz

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

Below 1GHz

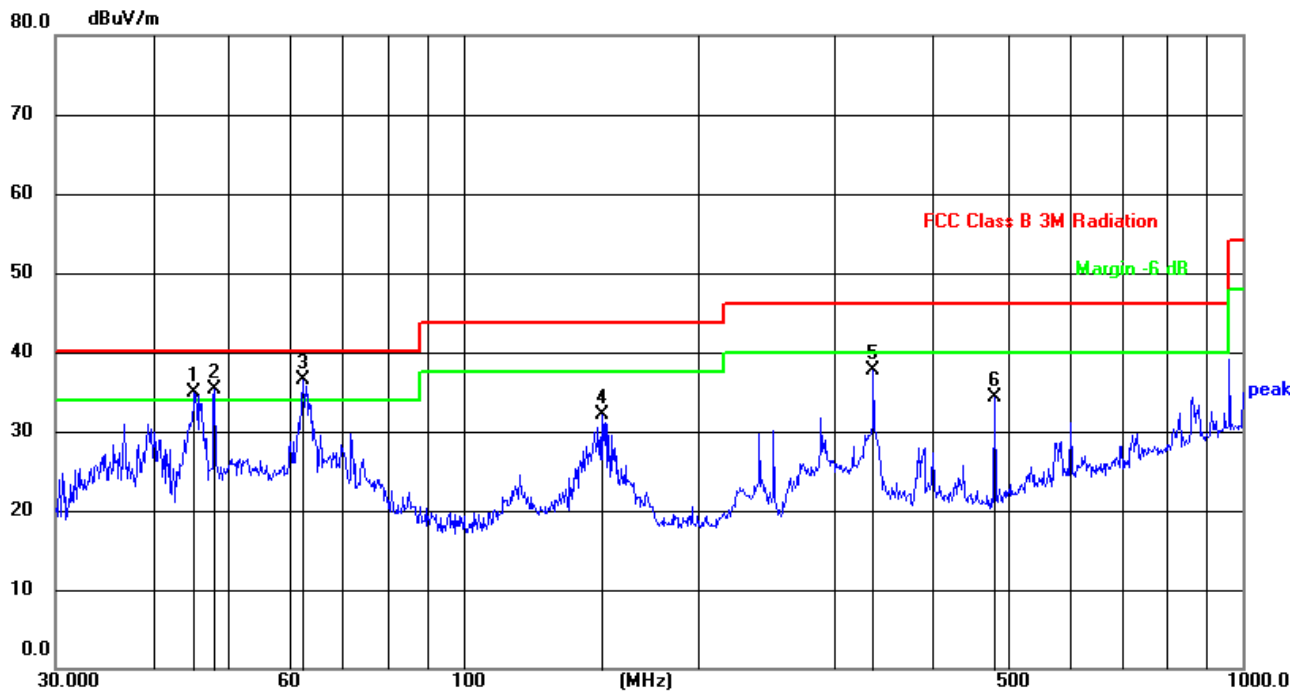
Temperature:	20.5°C	Relative Humidity:	60%RH
Pressure:	101.2kPa	Test Voltage :	DC14.8V from Battery
Test Mode :	TX- 802.11ac20 (5200MHz)		

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	45.3753	53.90	-21.23	32.67	40.00	-7.33	QP
2	47.9939	56.37	-21.56	34.81	40.00	-5.19	QP
3	336.0350	59.96	-19.34	40.62	46.00	-5.38	QP
4	480.5276	57.54	-15.24	42.30	46.00	-3.70	QP
5	601.4265	49.40	-11.70	37.70	46.00	-8.30	QP
6	716.6820	46.97	-8.78	38.19	46.00	-7.81	QP

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	45.2165	56.04	-21.21	34.83	40.00	-5.17	QP
2	47.9938	56.85	-21.56	35.29	40.00	-4.71	QP
3	62.4313	59.52	-22.93	36.59	40.00	-3.41	QP
4	150.5377	52.67	-20.51	32.16	43.50	-11.34	QP
5	336.0350	57.01	-19.34	37.67	46.00	-8.33	QP
6	480.5276	49.47	-15.24	34.23	46.00	-11.77	QP

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The test data shows only the worst case 802.11ac20 mode.



Above 1GHz:

Temperature:	20.5℃	Relative Humidity:	60%RH
Pressure:	101.2kPa	Test Voltage :	DC14.8V from Battery
Test Mode :	5.2G TX- 802.11ac20		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5180MHz							
V	10360.00	41.23	1.77	43.00	68.20	-25.20	PK
V	10360.00	36.38	1.77	38.15	54.00	-15.85	AV
V	15540.00	41.70	7.72	49.42	74.00	-24.58	PK
V	15540.00	31.76	7.72	39.48	54.00	-14.52	AV
V	20720.00	51.74	-5.73	46.01	68.20	-22.19	PK
V	20720.00	46.73	-5.73	41.00	54.00	-13.00	AV
V	25900.00	48.74	-2.89	45.85	68.20	-22.35	PK
V	25900.00	44.15	-2.89	41.26	54.00	-12.74	AV
V	31080.00	45.47	1.66	47.13	68.20	-21.07	PK
V	31080.00	40.24	1.66	41.90	54.00	-12.10	AV
V	36260.00	43.04	4.63	47.67	68.20	-20.53	PK
V	36260.00	38.28	4.63	42.91	54.00	-11.09	AV
H	10360.00	40.59	1.77	42.36	68.20	-25.84	PK
H	10360.00	36.02	1.77	37.79	54.00	-16.21	AV
H	15540.00	42.25	7.72	49.97	74.00	-24.03	PK
H	15540.00	31.43	7.72	39.15	54.00	-14.85	AV
H	20720.00	52.21	-5.73	46.48	68.20	-21.72	PK
H	20720.00	47.50	-5.73	41.77	54.00	-12.23	AV
H	25900.00	48.75	-2.89	45.86	68.20	-22.34	PK
H	25900.00	44.13	-2.89	41.24	54.00	-12.76	AV
H	31080.00	44.96	1.66	46.62	68.20	-21.58	PK
H	31080.00	40.25	1.66	41.91	54.00	-12.09	AV
H	36260.00	42.58	4.63	47.21	68.20	-20.99	PK
H	36260.00	37.83	4.63	42.46	54.00	-11.54	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Middle Channel:5200Hz							
V	10400.00	41.39	1.85	43.24	68.20	-24.96	PK
V	10400.00	36.62	1.85	38.47	54.00	-15.53	AV
V	15600.00	43.36	7.64	51.00	74.00	-23.00	PK
V	15600.00	33.25	7.64	40.89	54.00	-13.11	AV
V	20800.00	49.73	-5.67	44.06	68.20	-24.14	PK
V	20800.00	45.19	-5.67	39.52	54.00	-14.48	AV
V	26000.00	49.59	-2.85	46.74	68.20	-21.46	PK
V	26000.00	44.85	-2.85	42.00	54.00	-12.00	AV
V	31200.00	45.56	1.57	47.13	68.20	-21.07	PK
V	31200.00	40.91	1.57	42.48	54.00	-11.52	AV
V	36400.00	42.96	4.93	47.89	68.20	-20.31	PK
V	36400.00	38.13	4.93	43.06	54.00	-10.94	AV
H	10400.00	40.69	1.85	42.54	68.20	-25.66	PK
H	10400.00	36.38	1.85	38.23	54.00	-15.77	AV
H	15600.00	42.88	7.64	50.52	74.00	-23.49	PK
H	15600.00	32.11	7.64	39.75	54.00	-14.25	AV
H	20800.00	50.30	-5.67	44.63	68.20	-23.57	PK
H	20800.00	45.58	-5.67	39.91	54.00	-14.09	AV
H	26000.00	47.88	-2.85	45.03	68.20	-23.17	PK
H	26000.00	43.19	-2.85	40.34	54.00	-13.66	AV
H	31200.00	45.33	1.57	46.90	68.20	-21.30	PK
H	31200.00	40.00	1.57	41.57	54.00	-12.43	AV
H	36400.00	42.73	4.93	47.66	68.20	-20.54	PK
H	36400.00	38.04	4.93	42.97	54.00	-11.03	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
High Channel:5240MHz							
V	10480.00	41.45	2.02	43.47	68.20	-24.73	PK
V	10480.00	36.99	2.02	39.01	54.00	-14.99	AV
V	15720.00	41.56	7.46	49.02	74.00	-24.98	PK
V	15720.00	31.25	7.46	38.71	54.00	-15.29	AV
V	20960.00	49.93	-5.56	44.37	68.20	-23.83	PK
V	20960.00	45.28	-5.56	39.72	54.00	-14.28	AV
V	26200.00	46.60	-2.50	44.10	68.20	-24.10	PK
V	26200.00	41.91	-2.50	39.41	54.00	-14.59	AV
V	31440.00	43.38	1.39	44.77	68.20	-23.43	PK
V	31440.00	38.42	1.39	39.81	54.00	-14.19	AV
V	36680.00	41.27	5.25	46.52	68.20	-21.68	PK
V	36680.00	37.30	5.25	42.55	54.00	-11.45	AV
H	10480.00	45.11	2.02	47.13	68.20	-21.07	PK
H	10480.00	39.59	2.02	41.61	54.00	-12.39	AV
H	15720.00	45.15	7.46	52.61	74.00	-21.39	PK
H	15720.00	35.00	7.46	42.46	54.00	-11.54	AV
H	20960.00	50.32	-5.56	44.76	68.20	-23.44	PK
H	20960.00	45.82	-5.56	40.26	54.00	-13.75	AV
H	26200.00	46.22	-2.50	43.72	68.20	-24.48	PK
H	26200.00	41.93	-2.50	39.43	54.00	-14.57	AV
H	31440.00	45.45	1.39	46.84	68.20	-21.36	PK
H	31440.00	40.64	1.39	42.03	54.00	-11.97	AV
H	36680.00	41.36	5.15	46.51	68.20	-21.69	PK
H	36680.00	37.69	5.15	42.84	54.00	-11.16	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Temperature:	20.5℃	Relative Humidity:	60%RH
Pressure:	101.2kPa	Test Voltage :	DC14.8V from Battery
Test Mode :	5.8G TX- 802.11a		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5745MHz							
V	11490.00	49.05	3.31	52.36	74.00	-21.64	PK
V	11490.00	38.47	3.31	41.78	54.00	-12.22	AV
V	17235.00	34.91	10.10	45.01	68.20	-23.19	PK
V	17235.00	30.23	10.10	40.33	54.00	-13.67	AV
V	22980.00	53.39	-4.61	48.78	74.00	-25.22	PK
V	22980.00	43.86	-4.61	39.25	54.00	-14.75	AV
V	28725.00	43.02	0.87	43.89	68.20	-24.31	PK
V	28725.00	38.18	0.87	39.05	54.00	-14.95	AV
V	34470.00	43.07	3.82	46.89	68.20	-21.31	PK
V	34470.00	38.80	3.82	42.62	54.00	-11.38	AV
H	11490.00	48.26	3.31	51.57	74.00	-22.43	PK
H	11490.00	37.91	3.31	41.22	54.00	-12.78	AV
H	17235.00	37.13	10.10	47.23	68.20	-20.97	PK
H	17235.00	31.61	10.10	41.71	54.00	-12.29	AV
H	22980.00	54.39	-4.61	49.78	74.00	-24.22	PK
H	22980.00	43.95	-4.61	39.34	54.00	-14.66	AV
H	28725.00	45.66	0.87	46.53	68.20	-21.67	PK
H	28725.00	41.11	0.87	41.98	54.00	-12.02	AV
H	34470.00	43.21	3.82	47.03	68.20	-21.17	PK
H	34470.00	38.38	3.82	42.20	54.00	-11.80	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5785MHz							
V	11570.00	49.51	3.34	52.85	74.00	-21.15	PK
V	11570.00	38.57	3.34	41.91	54.00	-12.09	AV
V	17355.00	37.21	10.52	47.73	68.20	-20.47	PK
V	17355.00	32.22	10.52	42.74	54.00	-11.26	AV
V	23140.00	55.49	-4.66	50.83	74.00	-23.17	PK
V	23140.00	44.97	-4.66	40.31	54.00	-13.69	AV
V	28925.00	43.69	1.36	45.05	68.20	-23.15	PK
V	28925.00	39.37	1.36	40.73	54.00	-13.27	AV
V	34710.00	43.61	3.95	47.56	68.20	-20.64	PK
V	34710.00	39.00	3.95	42.95	54.00	-11.05	AV
H	11570.00	49.74	3.34	53.08	74.00	-20.92	PK
H	11570.00	38.82	3.34	42.16	54.00	-11.84	AV
H	17355.00	37.17	10.52	47.69	68.20	-20.51	PK
H	17355.00	32.27	10.52	42.79	54.00	-11.21	AV
H	23140.00	55.17	-4.66	50.51	74.00	-23.49	PK
H	23140.00	44.41	-4.66	39.75	54.00	-14.25	AV
H	28925.00	44.67	1.36	46.03	68.20	-22.17	PK
H	28925.00	40.10	1.36	41.46	54.00	-12.54	AV
H	34710.00	43.71	3.95	47.66	68.20	-20.54	PK
H	34710.00	39.29	3.95	43.24	54.00	-10.76	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5825MHz							
V	11650.00	49.97	3.36	53.33	74.00	-20.67	PK
V	11650.00	39.72	3.36	43.08	54.00	-10.92	AV
V	17475.00	35.21	10.93	46.14	68.20	-22.06	PK
V	17475.00	30.36	10.93	41.29	54.00	-12.71	AV
V	23300.00	48.83	-4.77	44.06	68.20	-24.14	PK
V	23300.00	44.13	-4.77	39.36	54.00	-14.64	AV
V	29125.00	42.96	1.65	44.61	68.20	-23.59	PK
V	29125.00	39.21	1.65	40.86	54.00	-13.14	AV
V	34950.00	43.02	4.09	47.11	68.20	-21.09	PK
V	34950.00	38.54	4.09	42.63	54.00	-11.37	AV
H	11650.00	49.62	3.36	52.98	74.00	-21.02	PK
H	11650.00	37.74	3.36	41.10	54.00	-12.90	AV
H	17475.00	36.71	10.93	47.64	68.20	-20.56	PK
H	17475.00	32.17	10.93	43.10	54.00	-10.90	AV
H	23300.00	48.36	-4.77	43.59	68.20	-24.61	PK
H	23300.00	44.71	-4.77	39.94	54.00	-14.06	AV
H	29125.00	45.01	1.65	46.66	68.20	-21.54	PK
H	29125.00	39.99	1.65	41.64	54.00	-12.36	AV
H	34950.00	43.84	4.09	47.93	68.20	-20.27	PK
H	34950.00	38.76	4.09	42.85	54.00	-11.15	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



5 Test Setup Photo

Reference to the file No.: ET-26051804SP for details.

6 EUT Constructional Details

Reference to the file No.: ET-26051804EP and ET-26051804IP for details

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