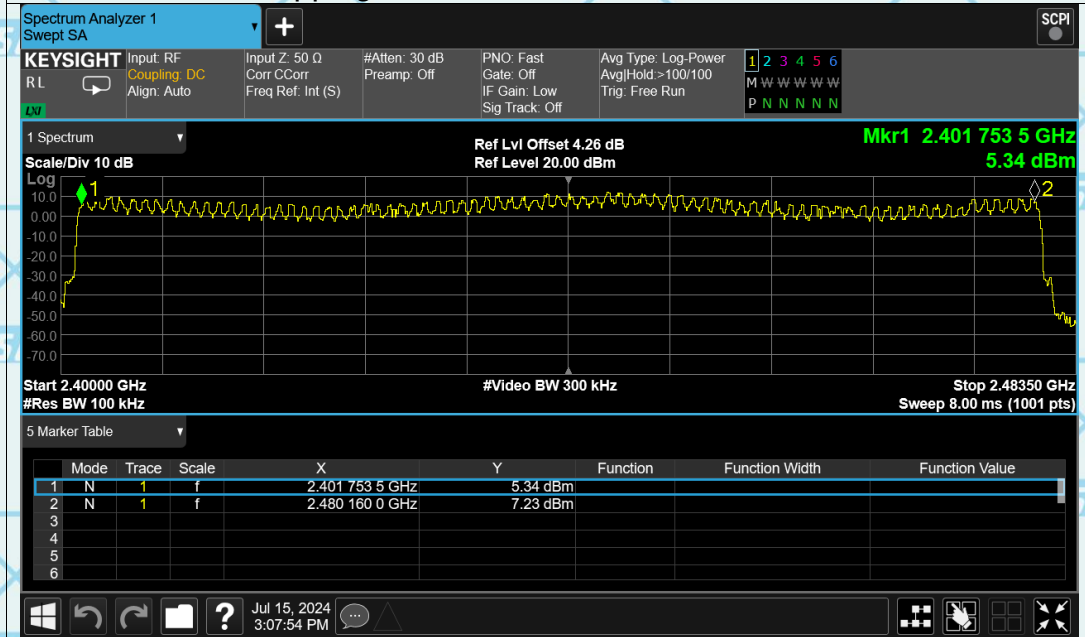




Hopping No. NVNT 3-DH5 2402MHz Ant1





For Question,
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www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700031A-BT

6.7. Dwell Time

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2014
Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Hopping mode
Test Procedure:	1. The testing follows ANSI C63.10:2014 Measurement Guidelines. 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Enable the EUT hopping function. 5. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be $\leq$ channel spacing and where possible RBW should be set $\gg 1/T$, where T is the expected dwell time per channel; VBW $\geq$ RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold. 6. Measure and record the results in the test report.
Test Result:	PASS



For Question,
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www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700031A-BT

6.7.2. Test Data

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2402	0.378	119.448	316	31600	400	Pass
1-DH1	2441	0.378	119.826	317	31600	400	Pass
1-DH1	2480	0.376	118.064	314	31600	400	Pass
1-DH3	2402	1.633	240.051	147	31600	400	Pass
1-DH3	2441	1.632	267.648	164	31600	400	Pass
1-DH3	2480	1.633	240.051	147	31600	400	Pass
1-DH5	2402	2.882	317.02	110	31600	400	Pass
1-DH5	2441	2.88	290.88	101	31600	400	Pass
1-DH5	2480	2.882	291.082	101	31600	400	Pass

Note: 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels.

For DH1, With channel hopping rate $(1600 / 2 / 79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 2 / 79) \times (0.4 \times 79) = 320$ hops

For DH3, With channel hopping rate $(1600 / 4 / 79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 4 / 79) \times (0.4 \times 79) = 160$ hops

For DH5, With channel hopping rate $(1600 / 6 / 79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$ hops

2. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

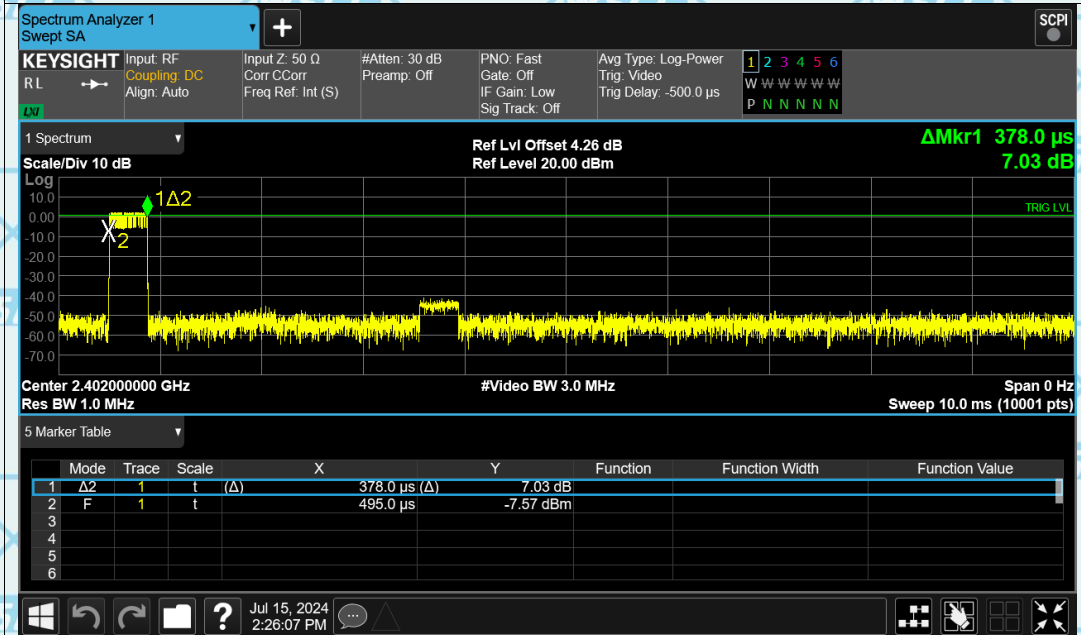
Test plots as follows:



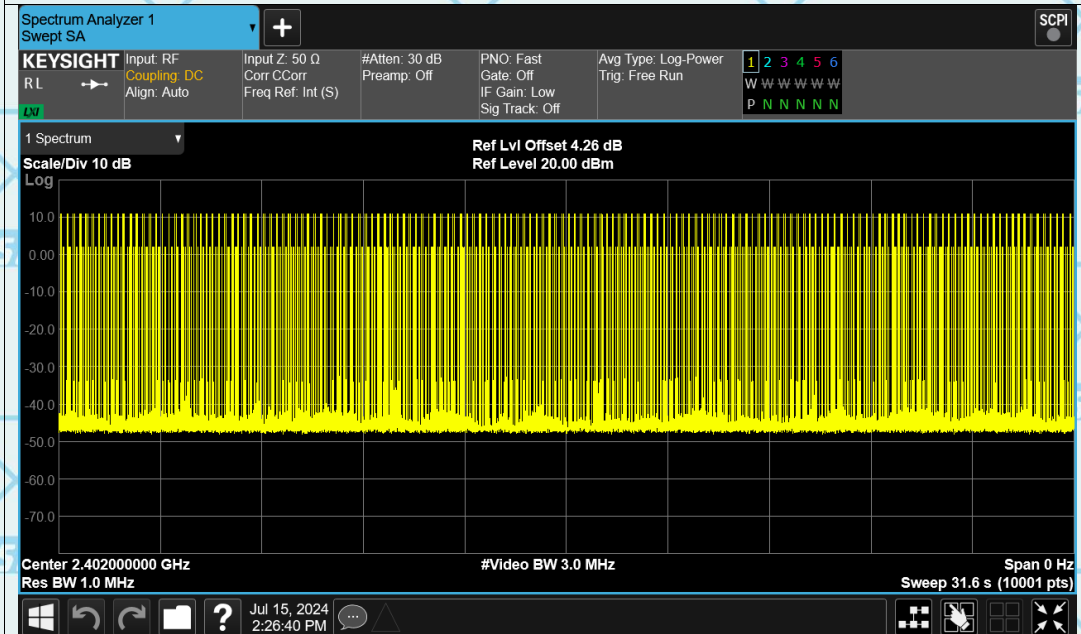


Test Graphs

Dwell NVNT 1-DH1 2402MHz Ant1 One Burst

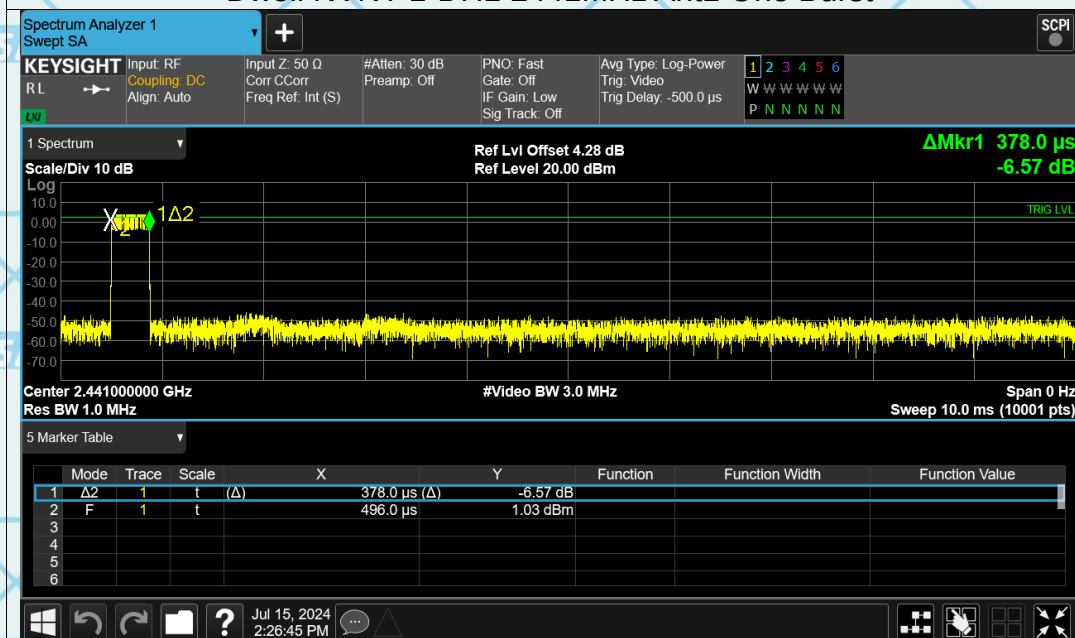


Dwell NVNT 1-DH1 2402MHz Ant1 Accumulated

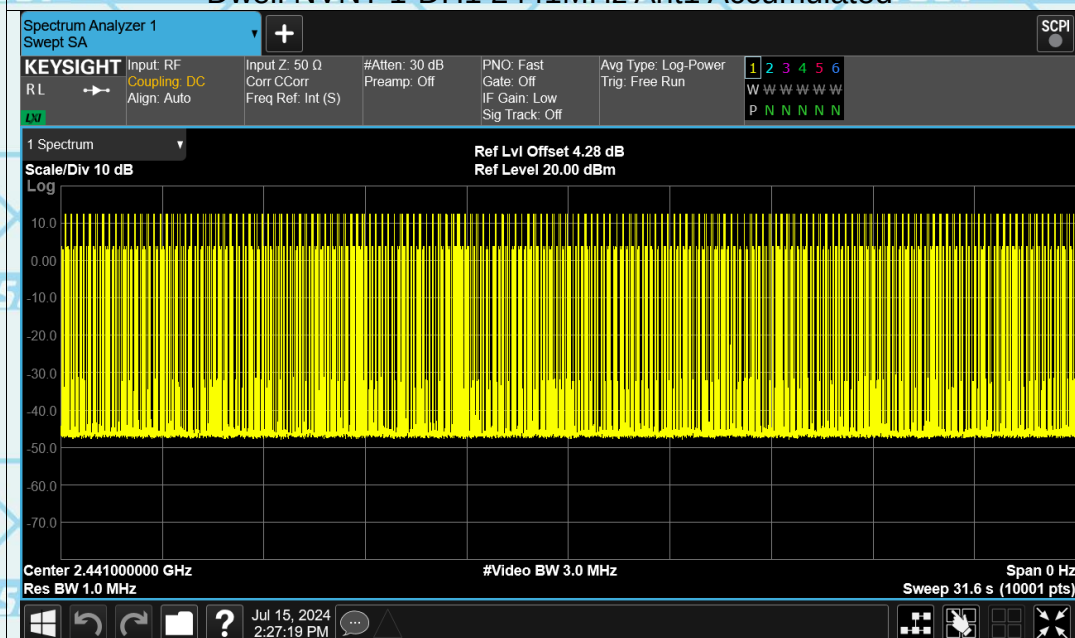




Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated





Dwell NVNT 1-DH1 2480MHz Ant1 One Burst

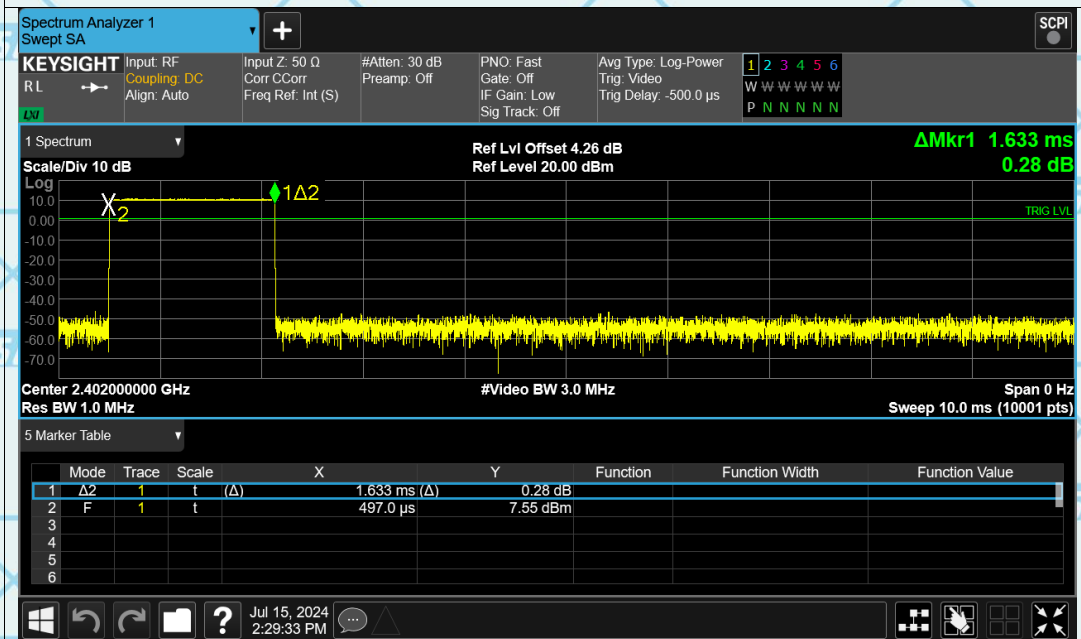


Dwell NVNT 1-DH1 2480MHz Ant1 Accumulated

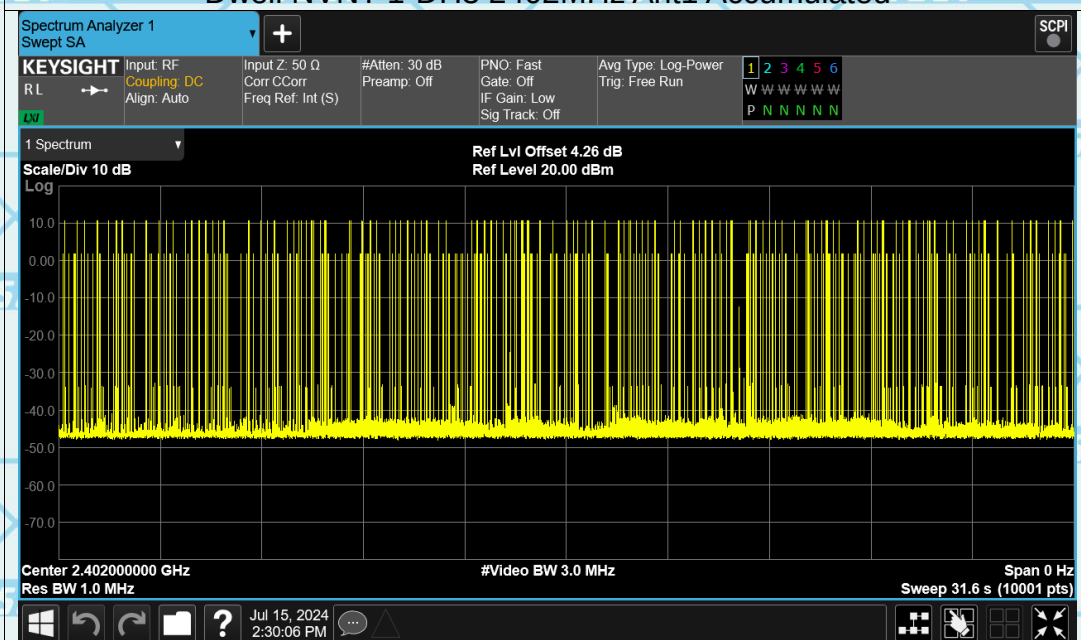




Dwell NVNT 1-DH3 2402MHz Ant1 One Burst

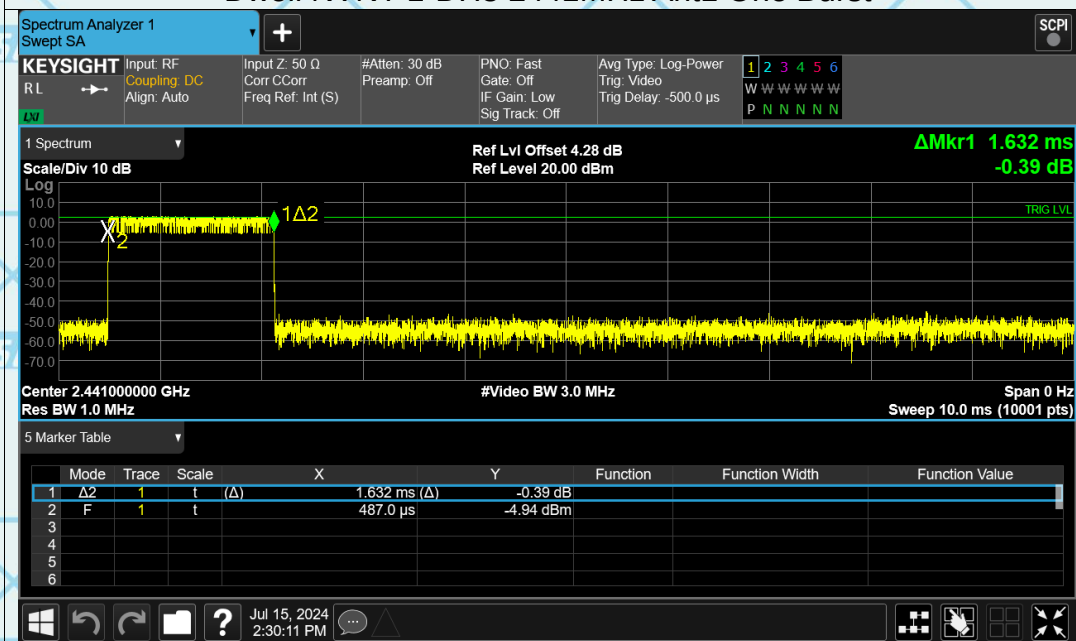


Dwell NVNT 1-DH3 2402MHz Ant1 Accumulated

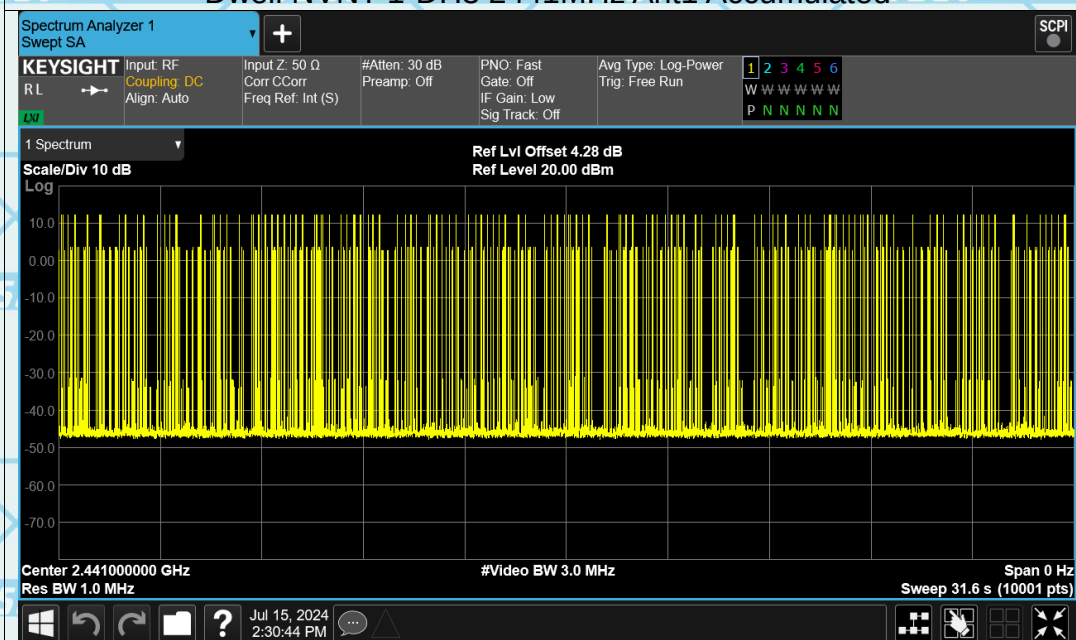




Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

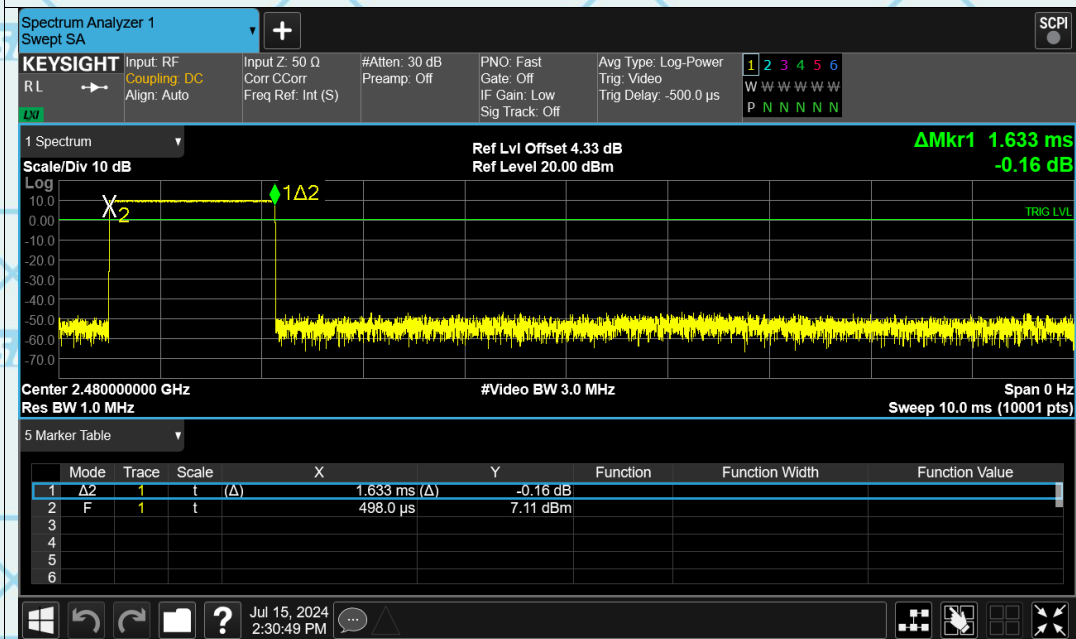


Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated

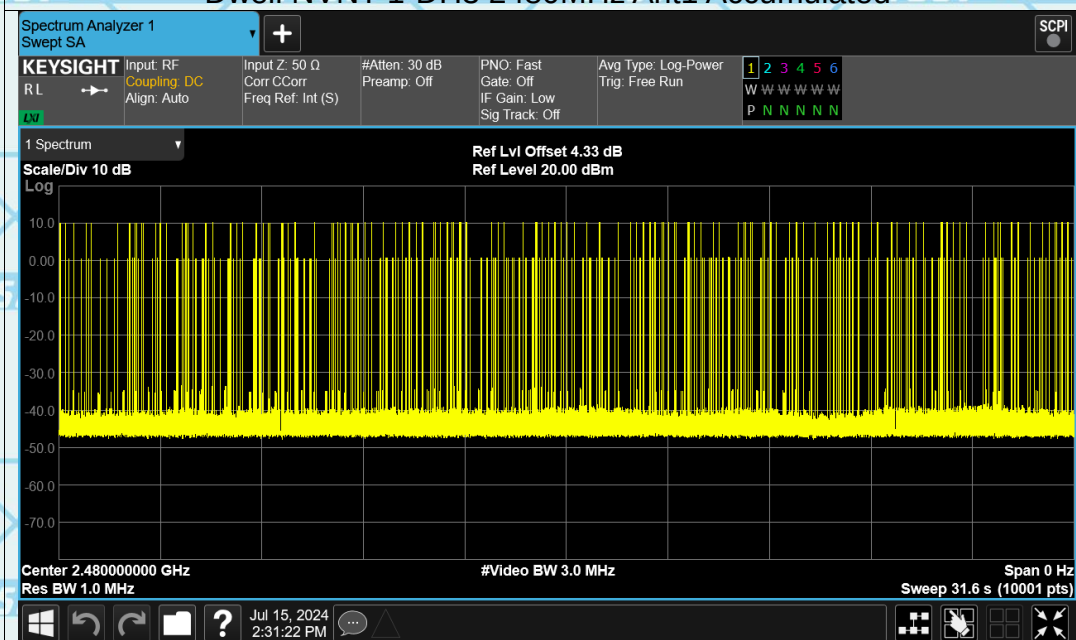




Dwell NVNT 1-DH3 2480MHz Ant1 One Burst

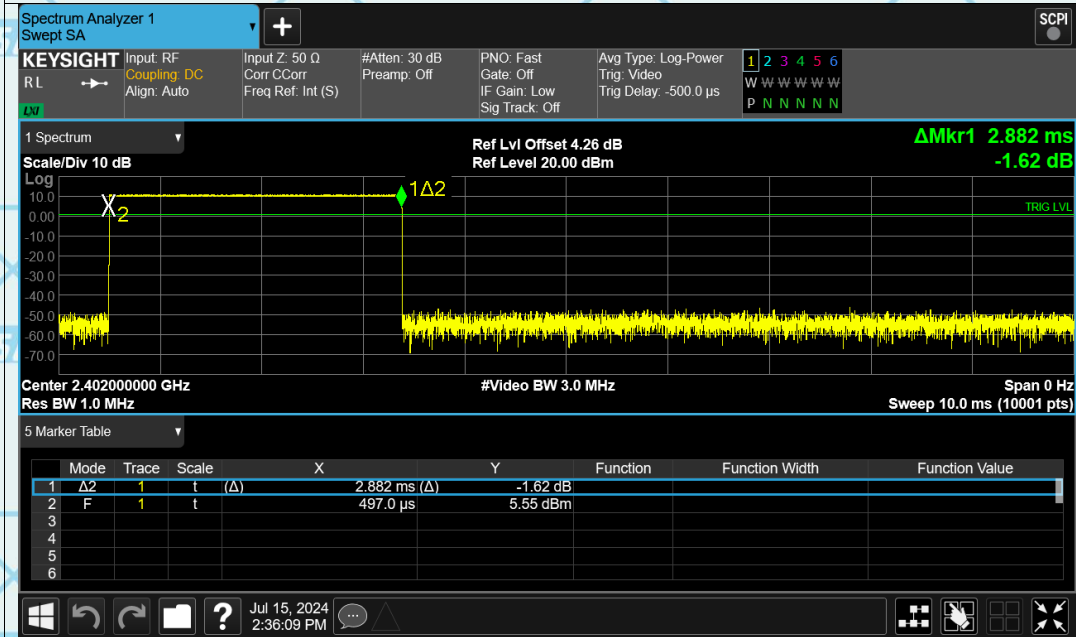


Dwell NVNT 1-DH3 2480MHz Ant1 Accumulated

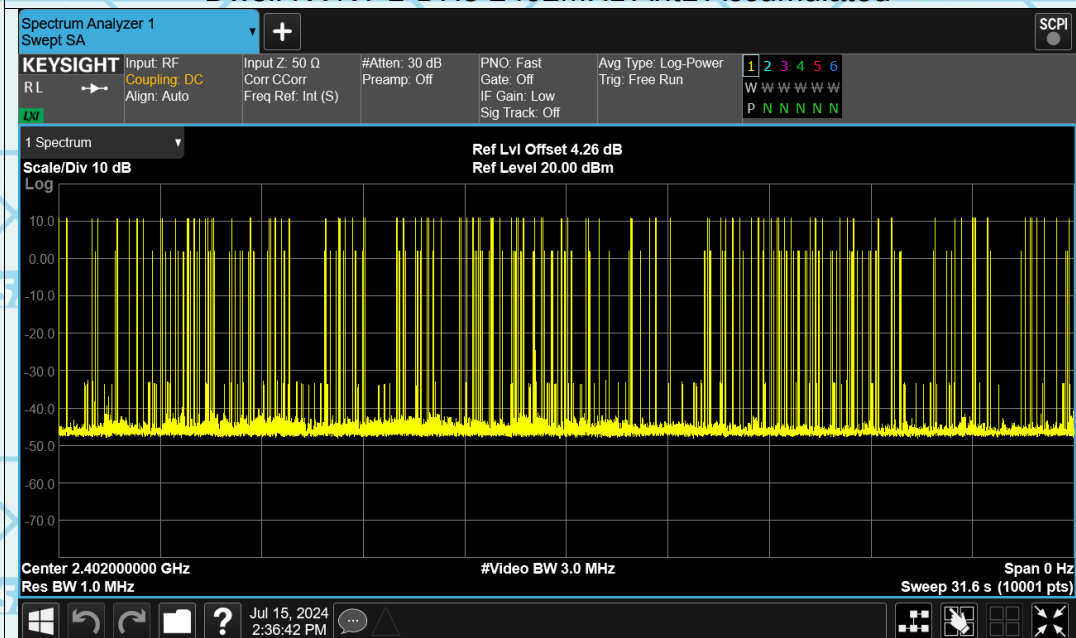




Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

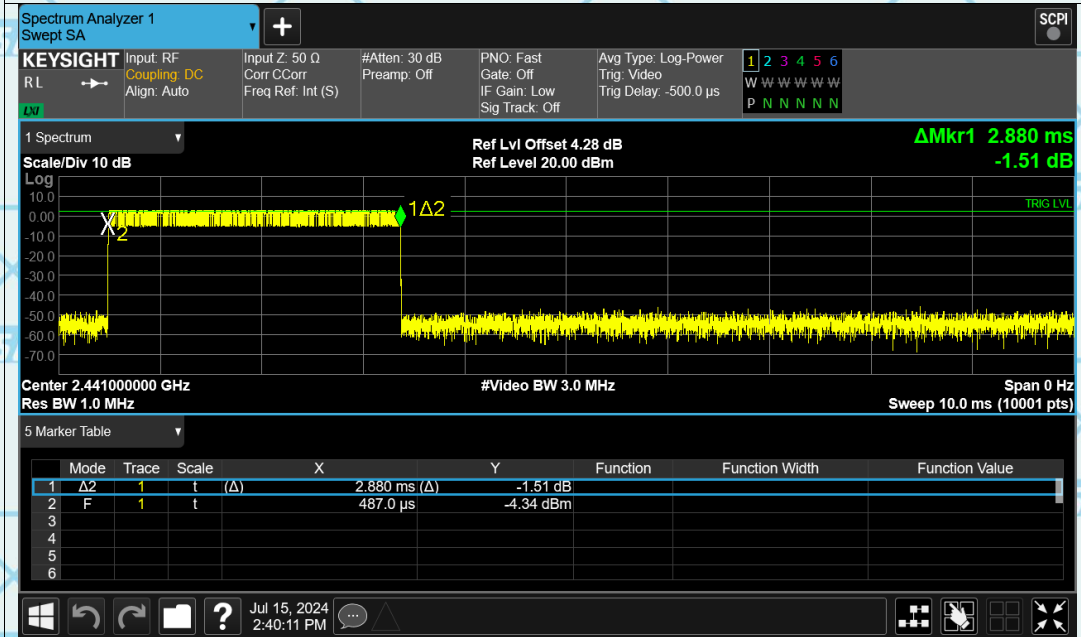


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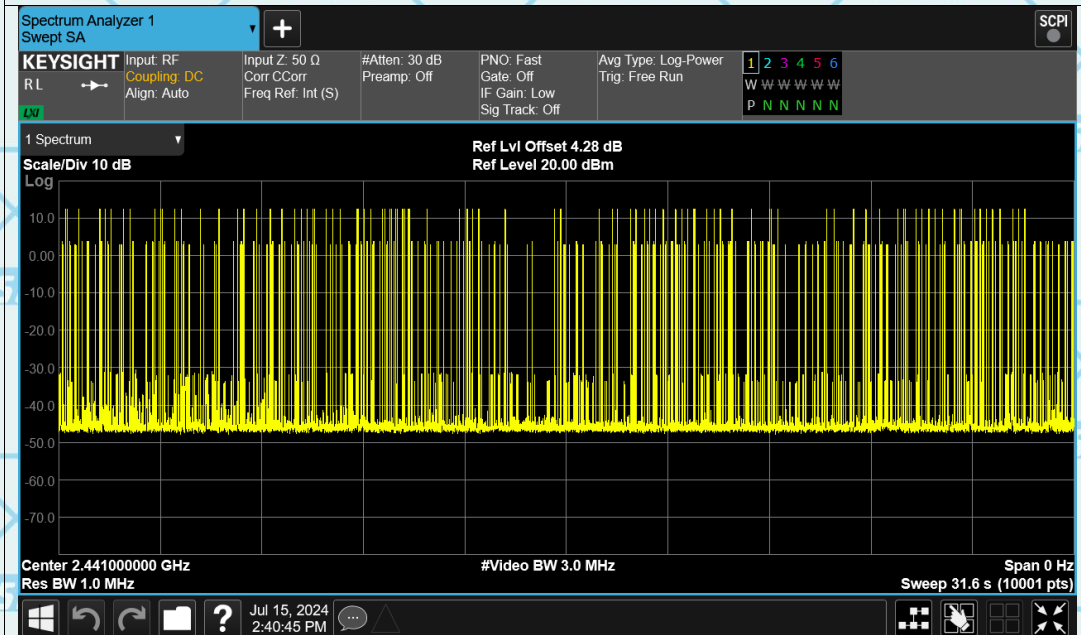




Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

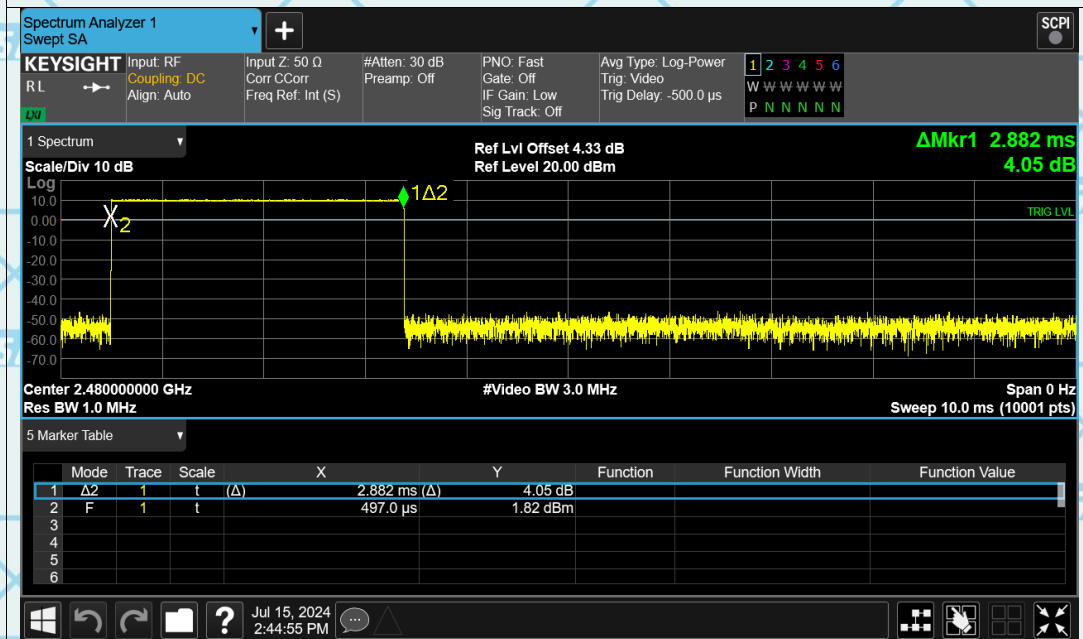


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

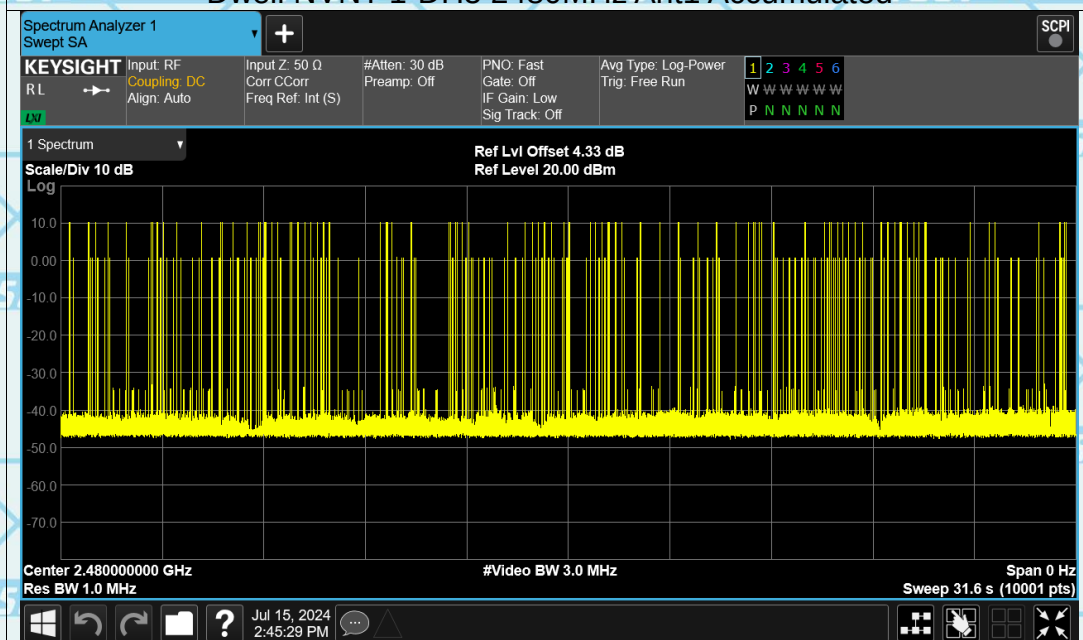




Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated





6.8. Pseudorandom Frequency Hopping Sequence

Test Requirement: FCC Part15 C Section 15.247 (a)(1) requirement:

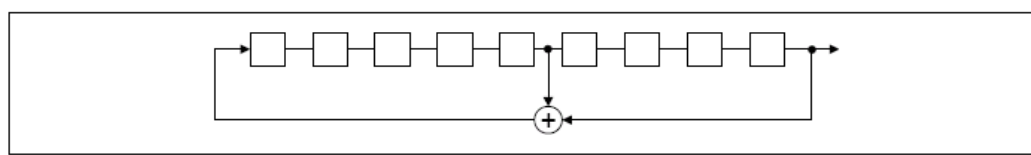
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

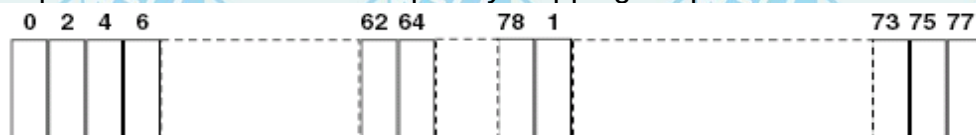
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first one of 9 consecutive ones; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: $2^9 - 1 = 511$ bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter. The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.



For Question,
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www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700031A-BT

6.9. Conducted Band Edge Measurement

6.9.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2014
Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The testing follows the guidelines in Band-edge Compliance of RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Set RBW = 100 kHz ($\geq 1\%$ span=10MHz), VBW = 300 kHz ($\geq$RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used. 4. Enable hopping function of the EUT and then repeat step 2 and 3. 5. Measure and record the results in the test report.
Test Result:	PASS



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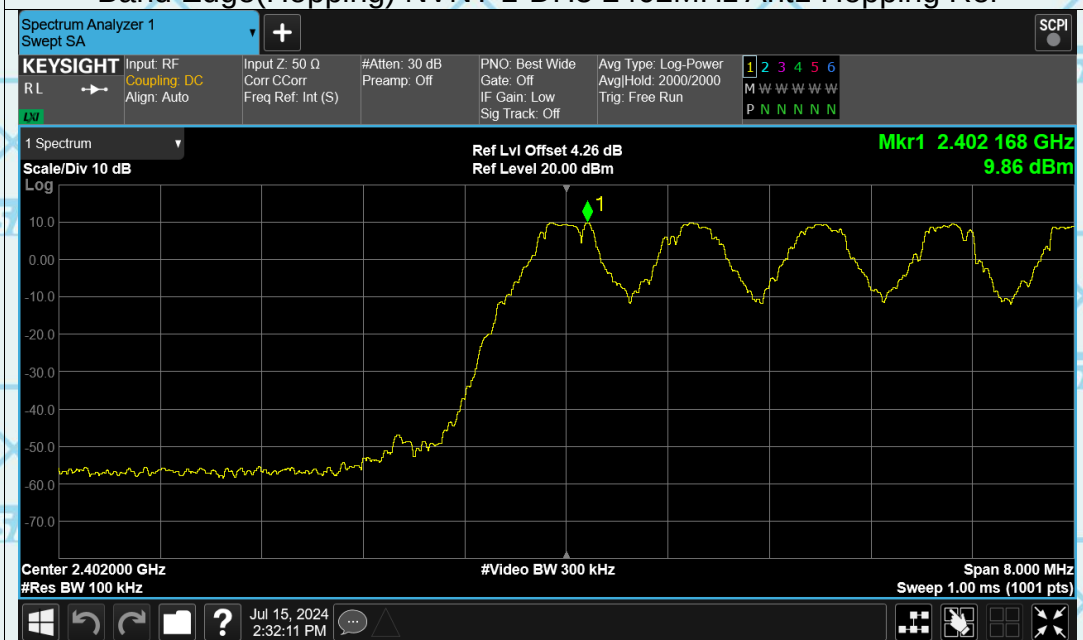
For Question,
Please Contact with WSCT
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Test Data

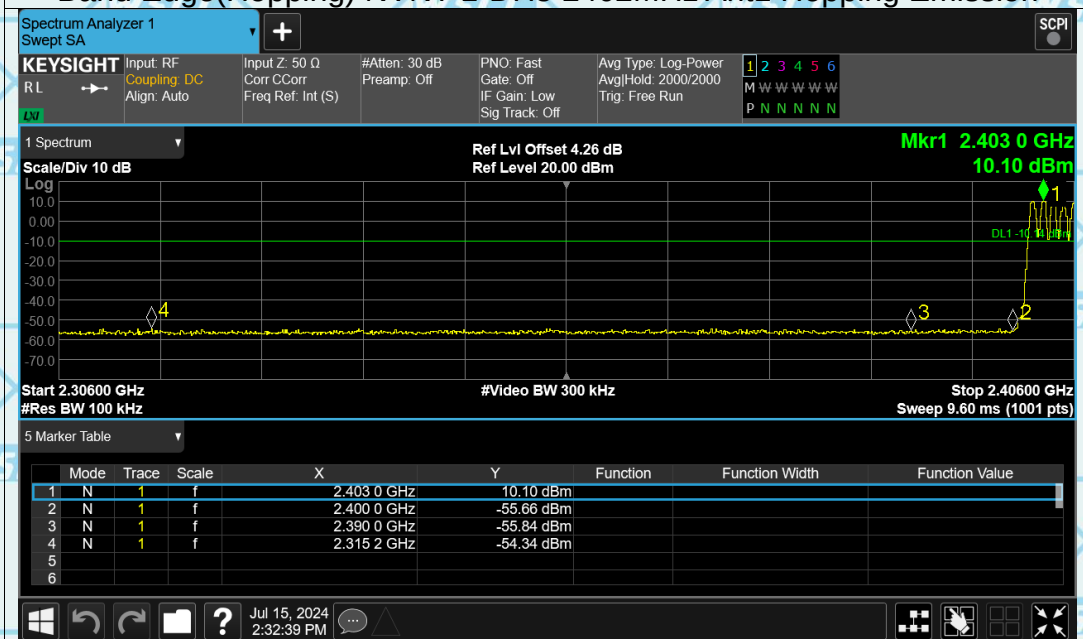
GFSK Modulation (the worst case)

Test Graphs

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



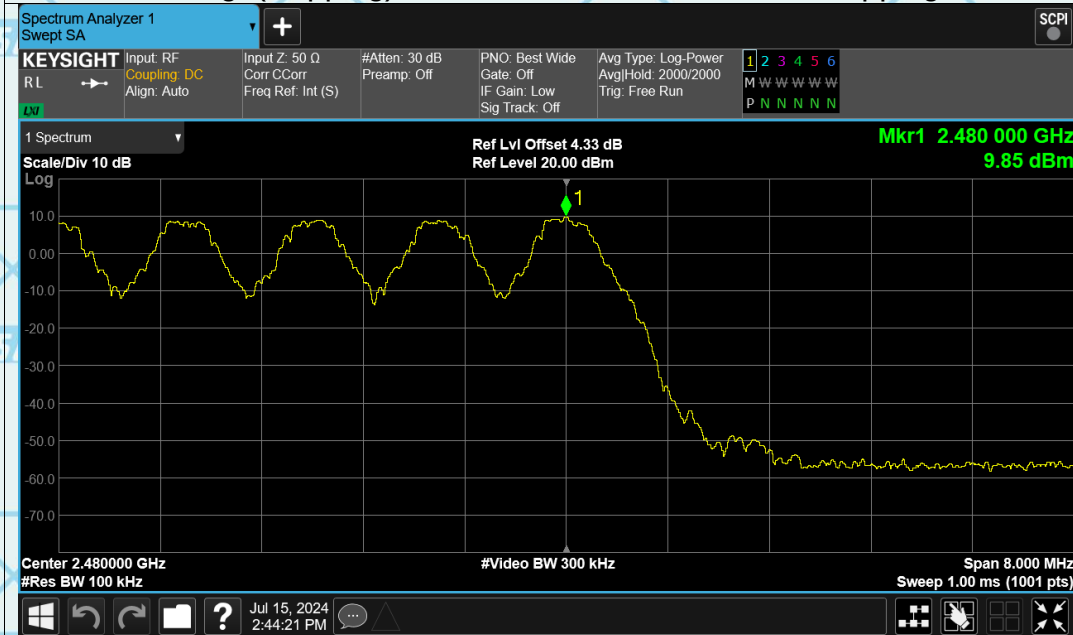


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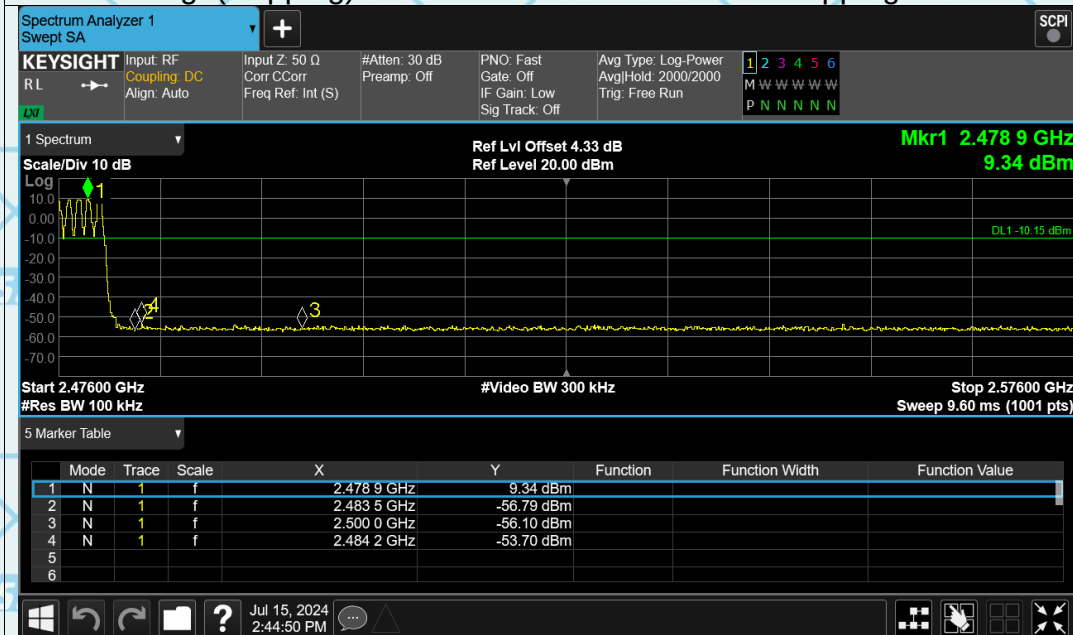
Certificate Number: AT-3951

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Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission





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Report No.: WSCT-ANAB-R&E240700031A-BT

6.10. Conducted Spurious Emission Measurement

6.10.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2014
Limit:	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.
Test Setup:	 Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The testing follows the guidelines in Spurious RF Conducted Emissions of ANSI C63.10:2014 Measurement Guidelines 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. 5. Measure and record the results in the test report. 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS



Report No.: WSCT-ANAB-R&E240700031A-BT

Certificate Number: AT-3951

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Test Data



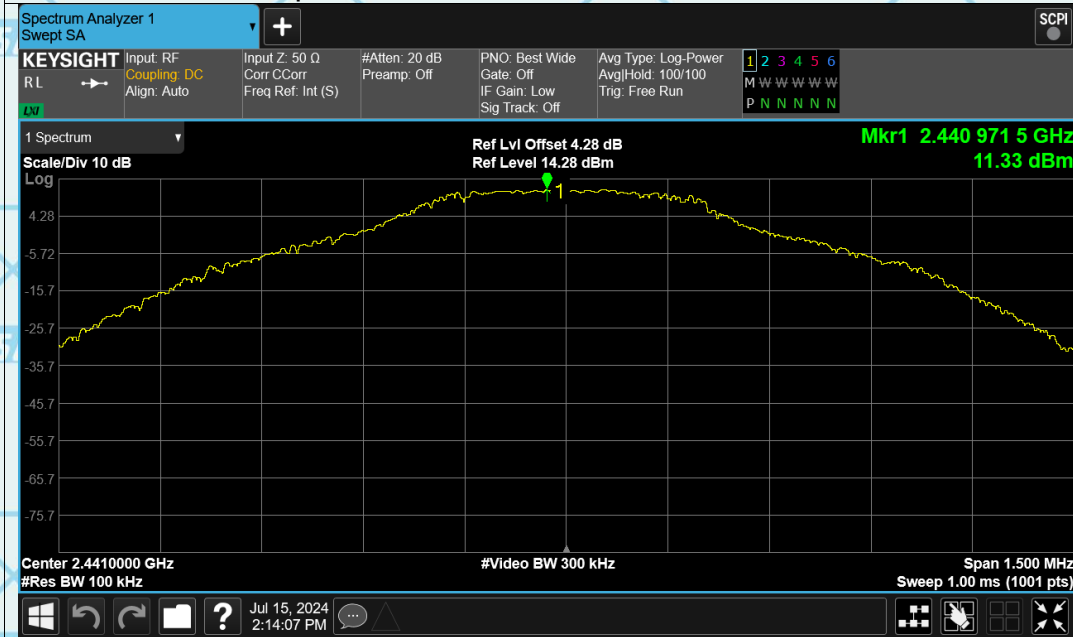


Report No.: WSCT-ANAB-R&E240700031A-BT

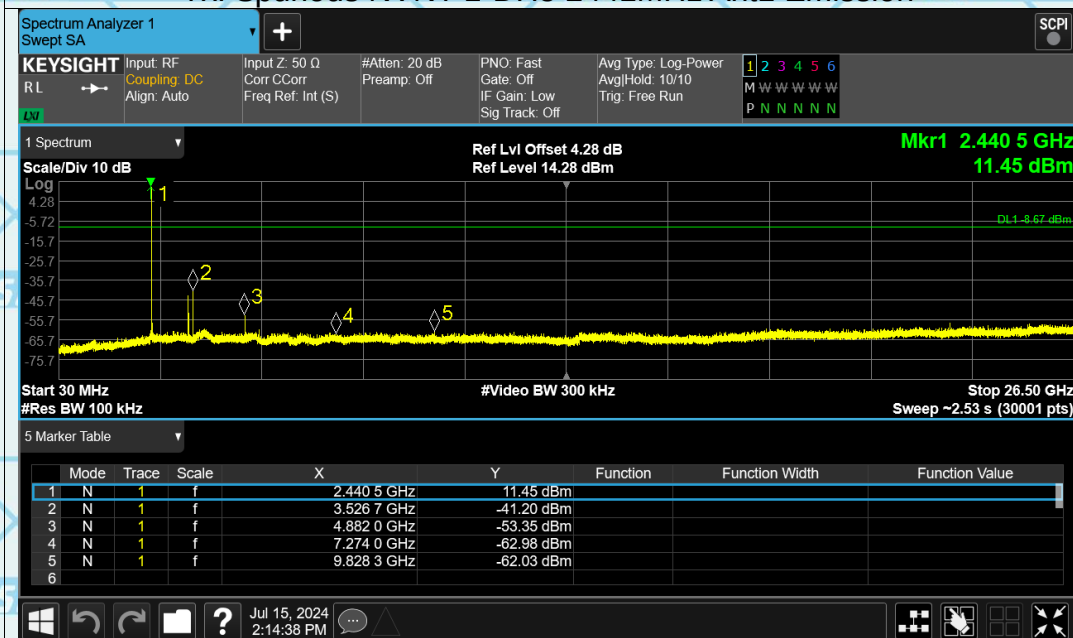
Certificate Number : AT-3951

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Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



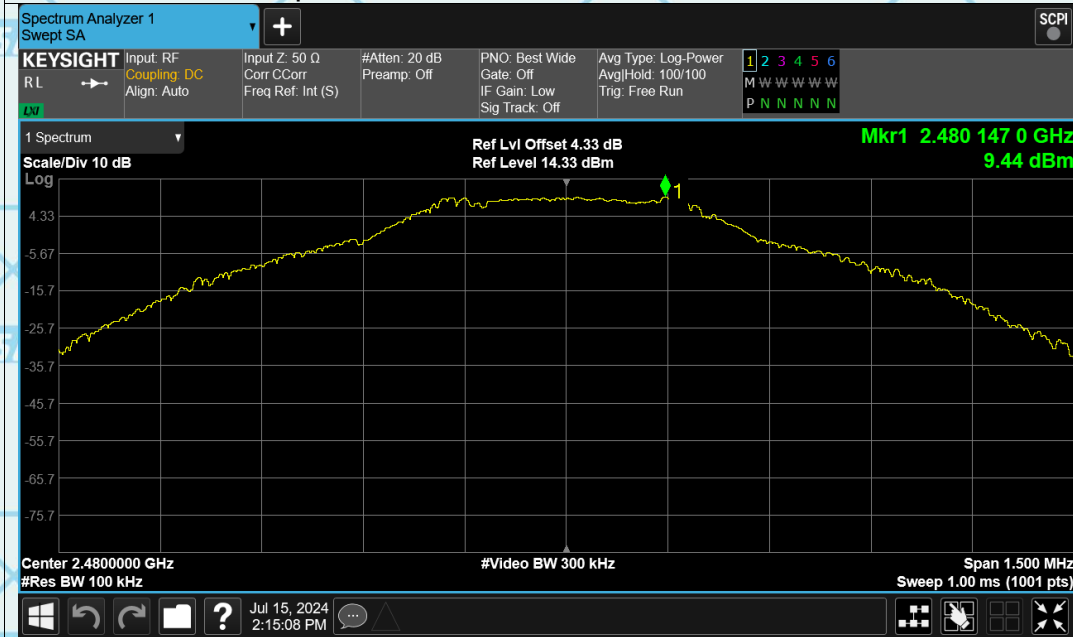


Report No.: WSCT-ANAB-R&E240700031A-BT

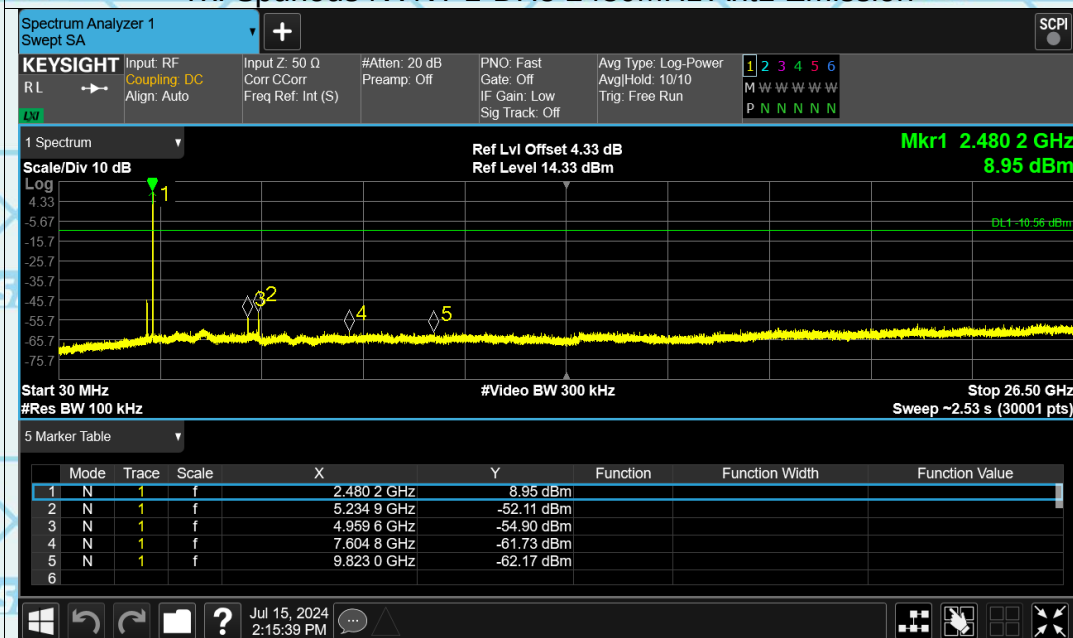
Certificate Number : AT-3951

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Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



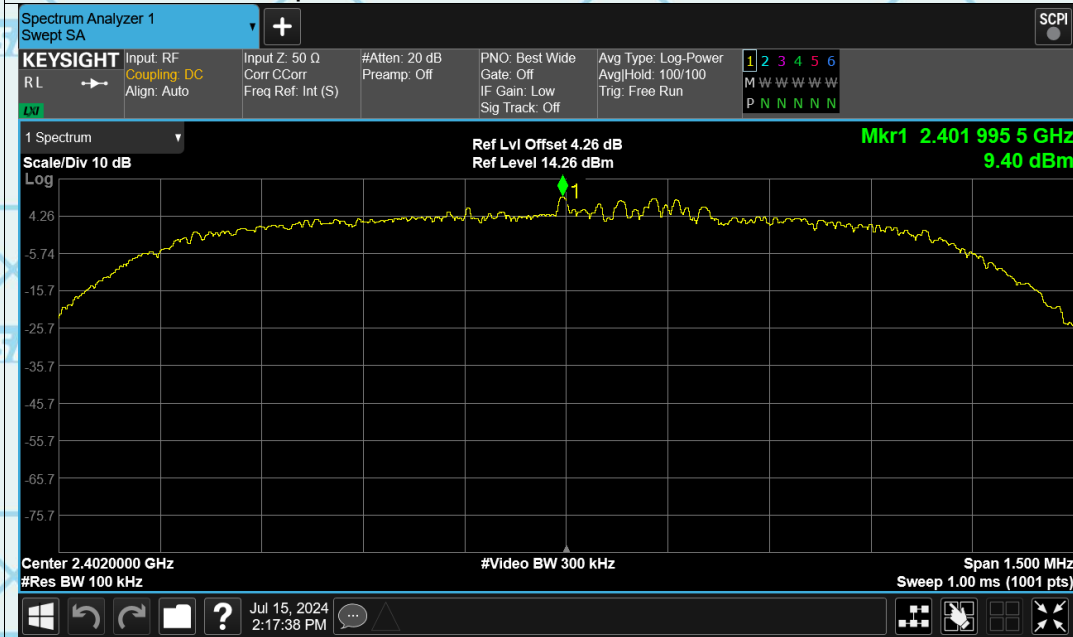


Report No.: WSCT-ANAB-R&E240700031A-BT

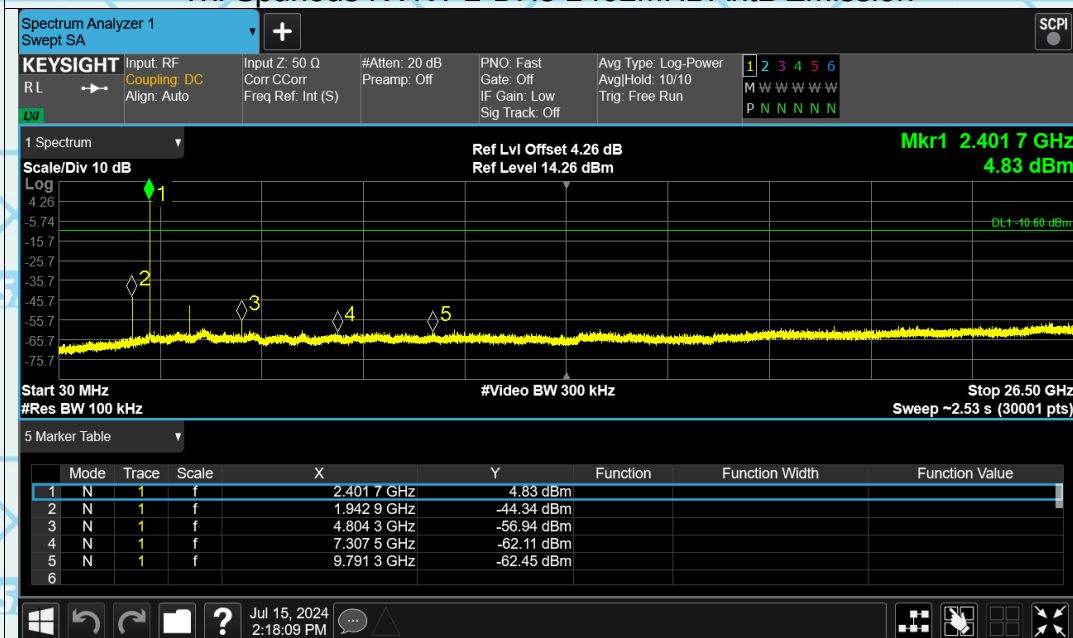
Certificate Number : AT-3951

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Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



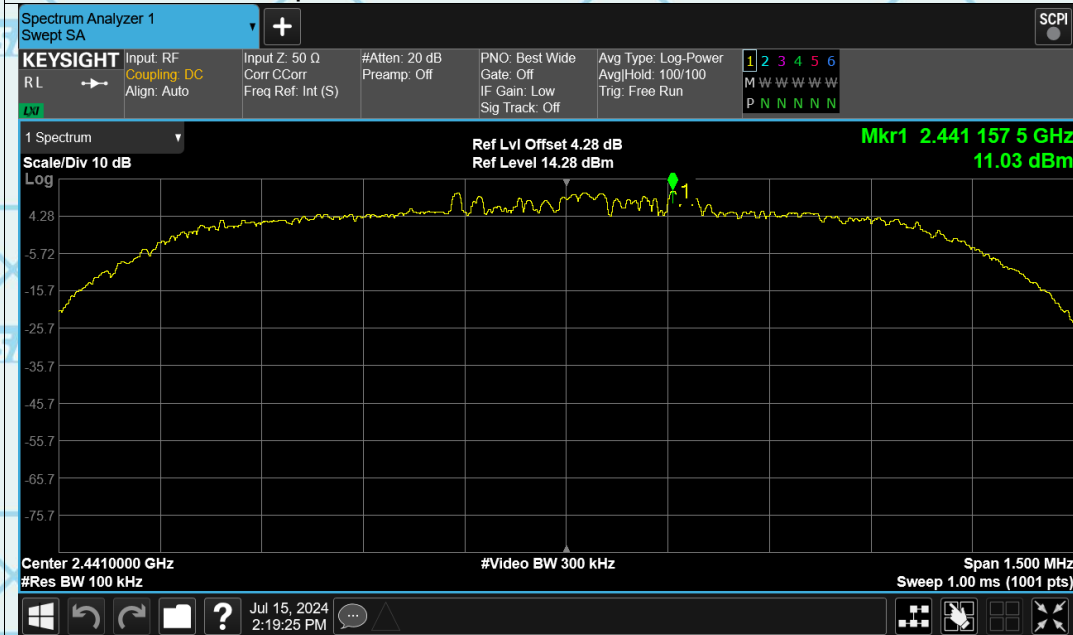


Report No.: WSCT-ANAB-R&E240700031A-BT

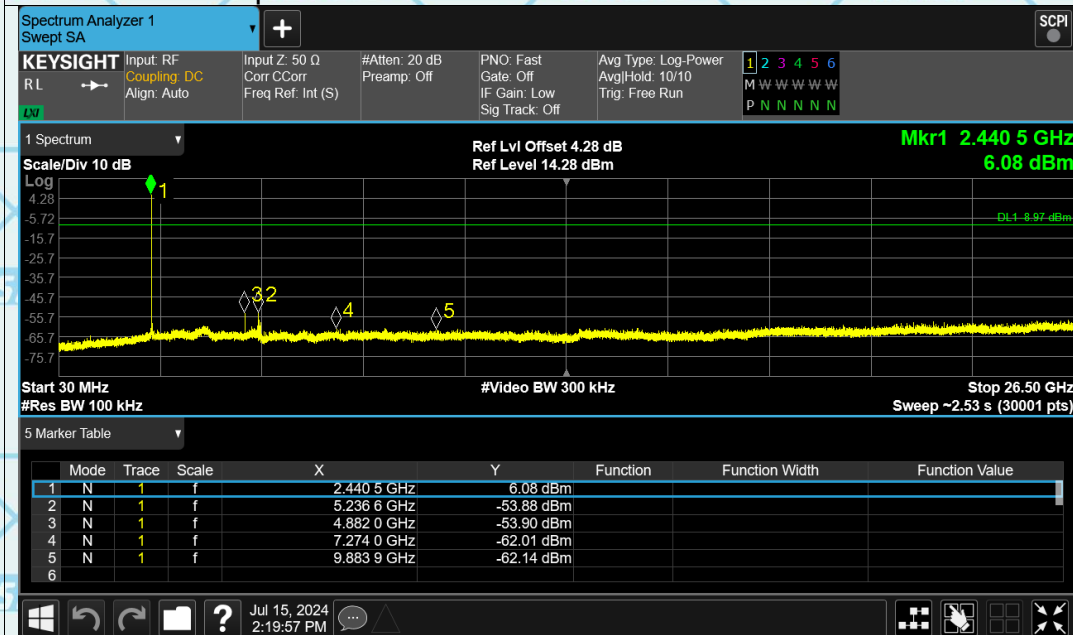
Certificate Number : AT-3951

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Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



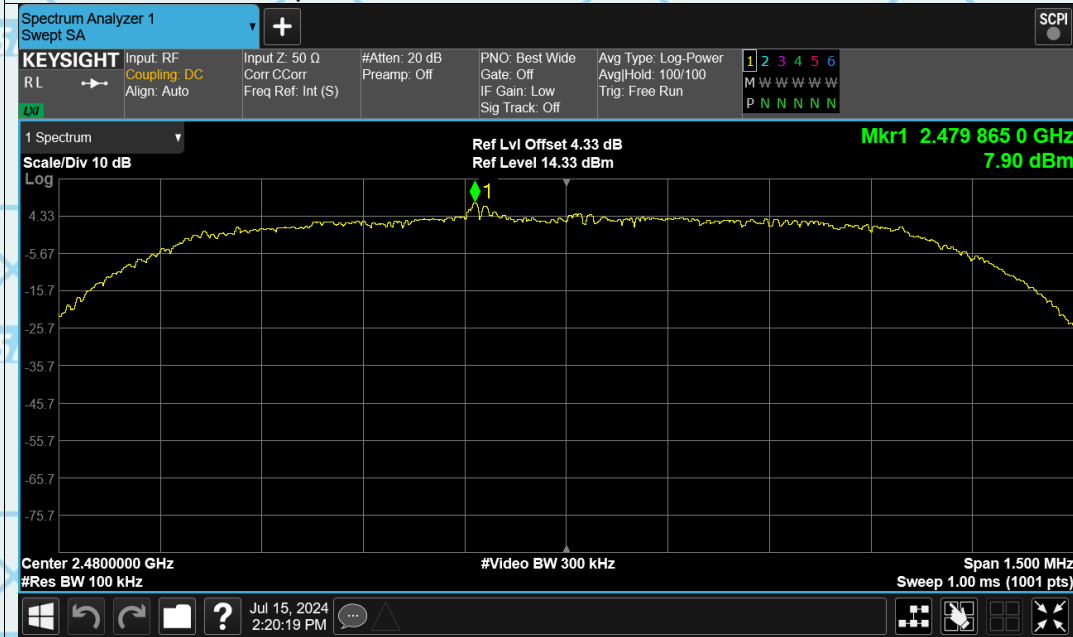


Report No.: WSCT-ANAB-R&E240700031A-BT

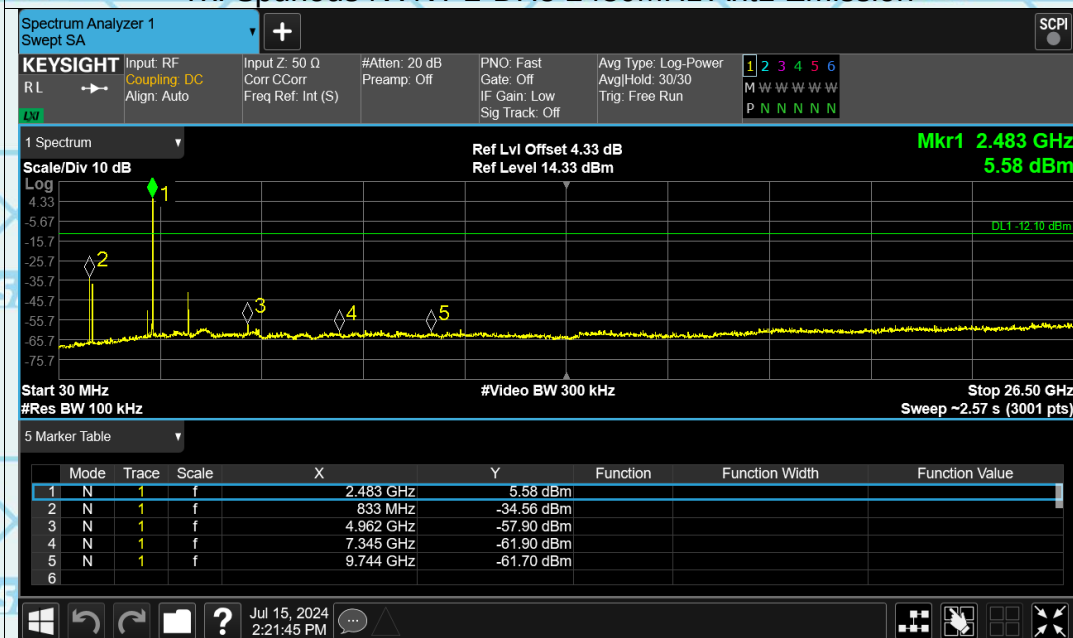
Certificate Number : AT-3951

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Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



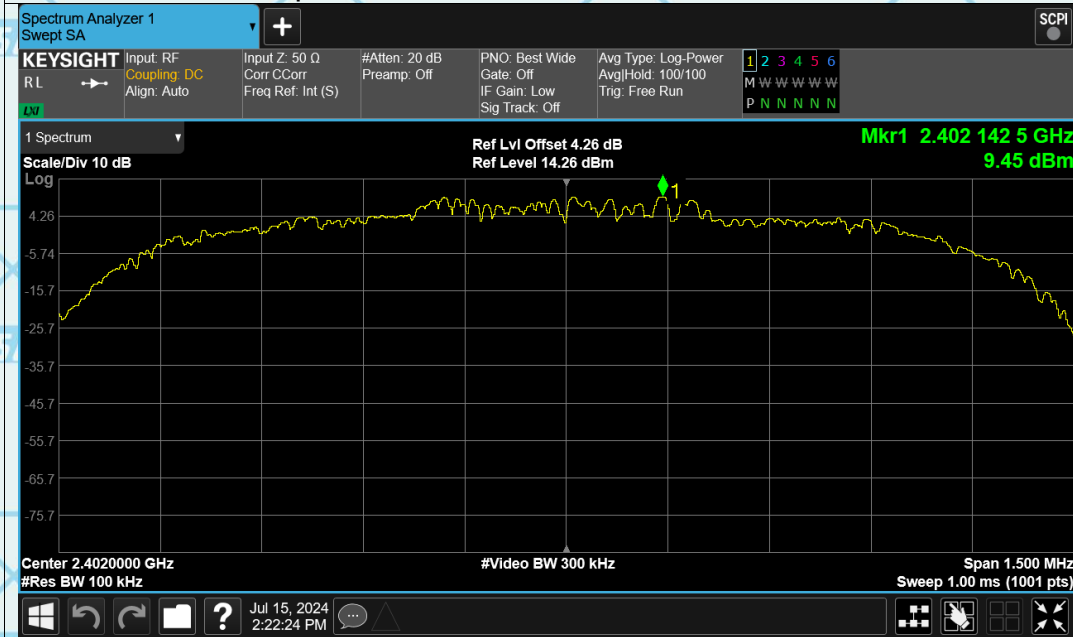


Report No.: WSCT-ANAB-R&E240700031A-BT

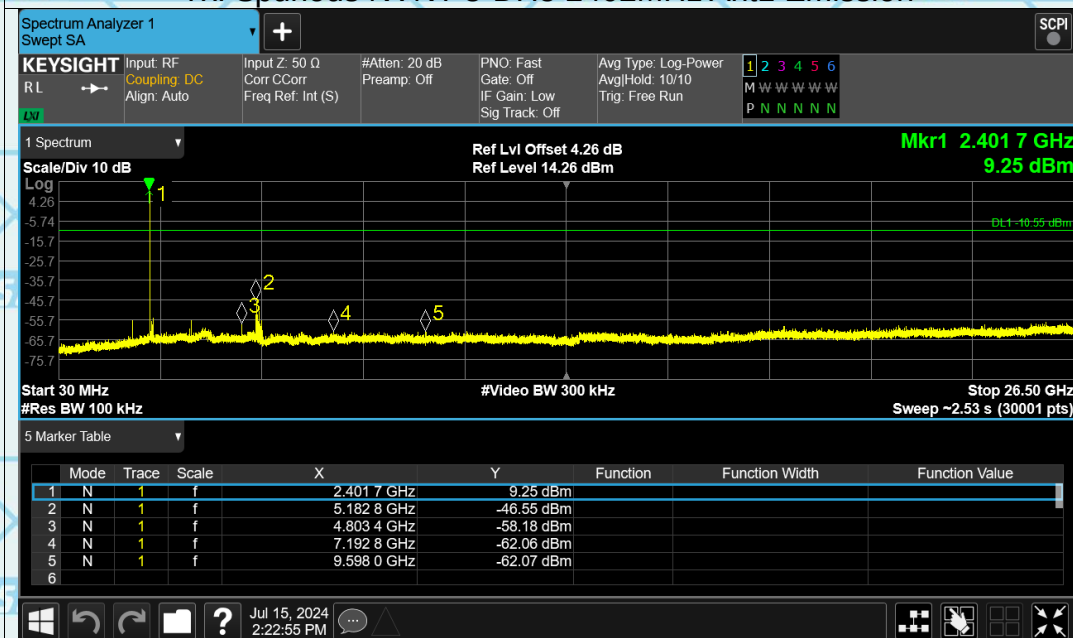
Certificate Number : AT-3951

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Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



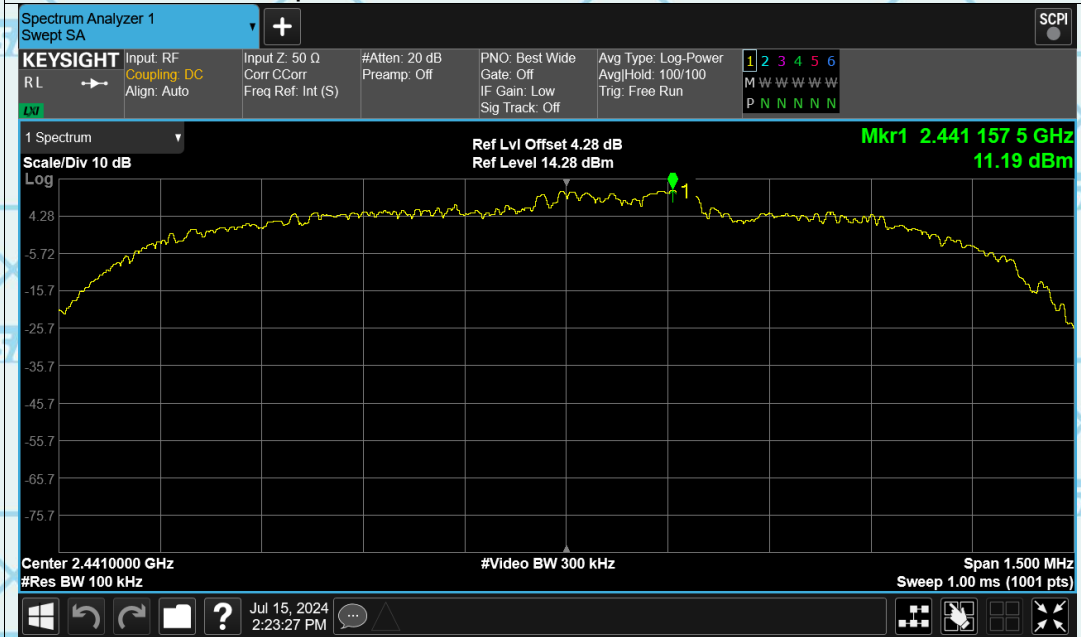


Report No.: WSCT-ANAB-R&E240700031A-BT

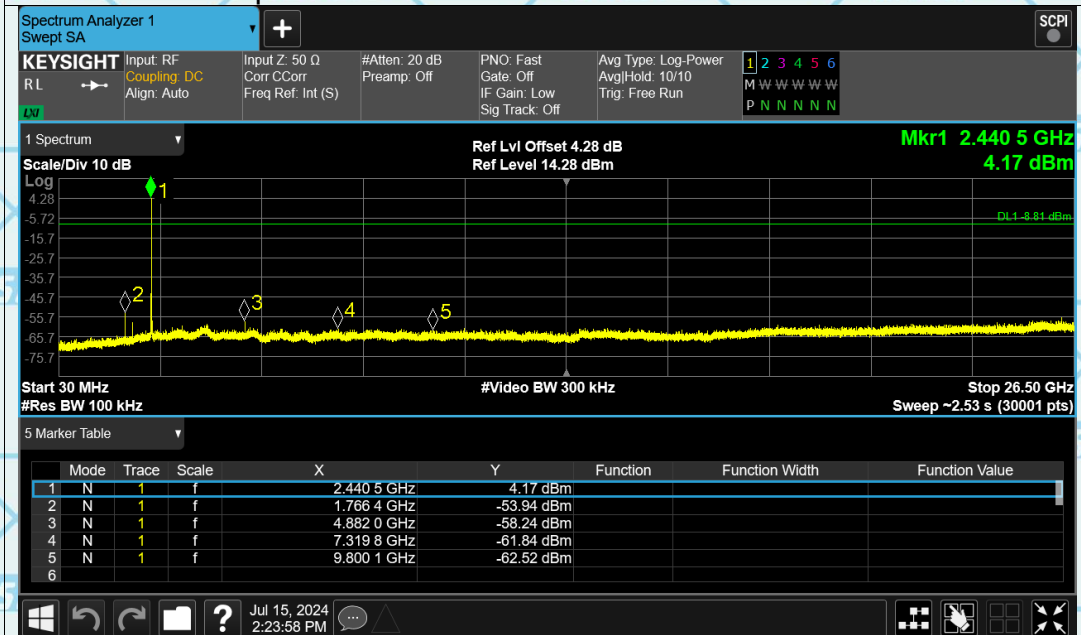
Certificate Number : AT-3951

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Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



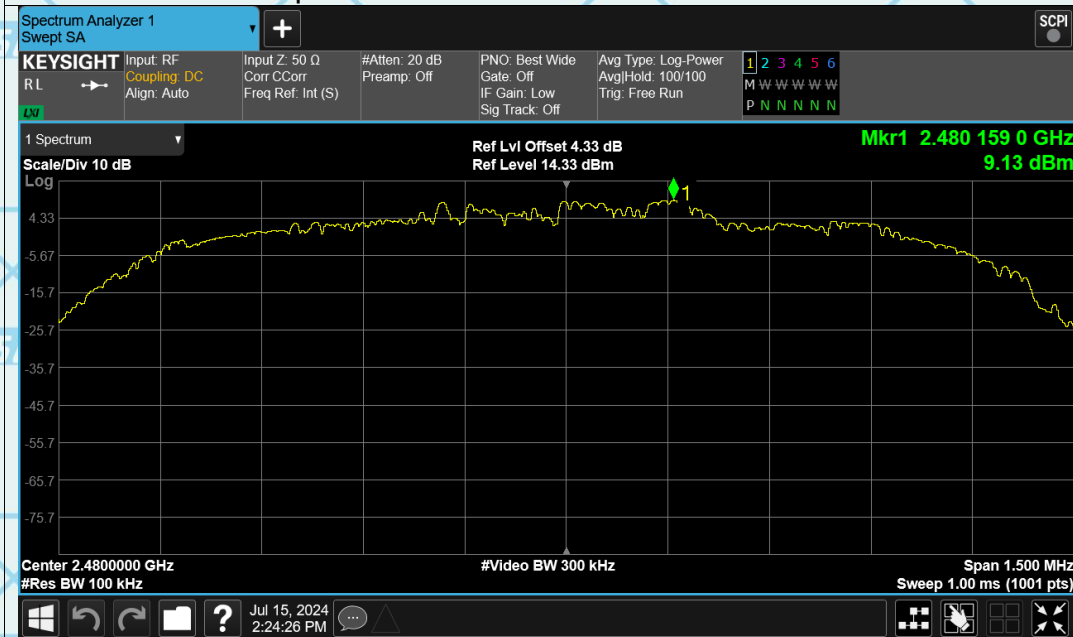


Report No.: WSCT-ANAB-R&E240700031A-BT

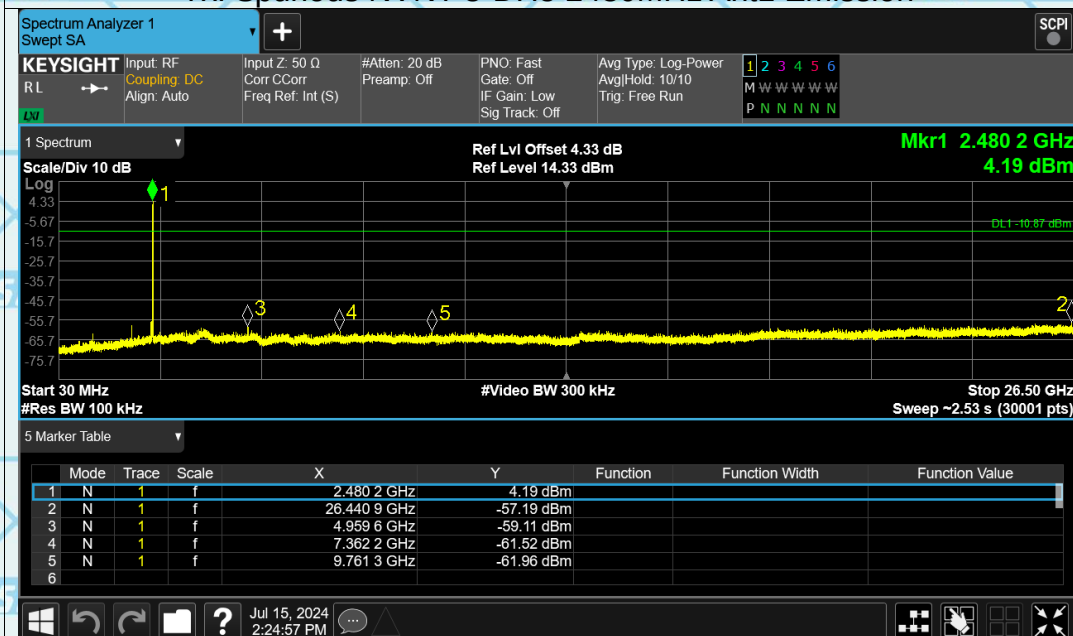
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Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission



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World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

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 TEL: 86-755-26996192 226996053 Fax: 86-755-86376605 E-mail: Fengbing.Wang@wsct-cert.com Http: www.wsct-cert.com

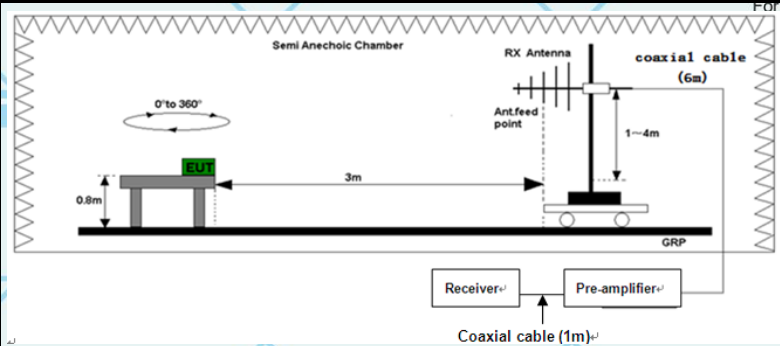
Member of the WSCT INC.



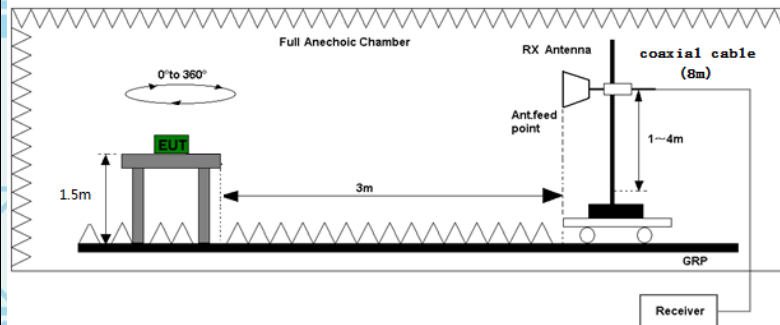
6.11. Radiated Spurious Emission Measurement

6.11.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209			
Test Method:	ANSI C63.10:2014			
Frequency Range:	9 kHz to 25 GHz			
Measurement Distance:	3 m			
Antenna Polarization:	Horizontal & Vertical			
Receiver Setup:	Frequency	Detector	RBW	VBW
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz
	30MHz-1GHz	Quasi-peak	100KHz	300KHz
	Above 1GHz	Peak	1MHz	3MHz
Limit:				Remark
				Quasi-peak Value
				Quasi-peak Value
				Quasi-peak Value
				Peak Value
Test setup:				Average Value
	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
	0.009-0.490	2400/F(KHz)	300	
	0.490-1.705	24000/F(KHz)	30	
	1.705-30	30	30	
Test setup:	30-88	100	3	
	88-216	150	3	
	216-960	200	3	
	Above 960	500	3	
Test setup:	Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
	Above 1GHz	500	3	Average
		5000	3	Peak
	For radiated emissions below 30MHz			



Above 1GHz



Test Mode:

Transmitting mode with modulation

Test Procedure:

1. The testing follows the guidelines in Spurious Radiated Emissions of ANSI C63.10:2014 Measurement Guidelines.
2. For the radiated emission test below 1GHz:
The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.
For the radiated emission test above 1GHz:
Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final



	measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for $f < 1$ GHz, RBW=1MHz for $f > 1$GHz ; VBW$\geq$RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak (3) For average measurement: use duty cycle correction factor method per 15.35(c). Duty cycle = On time/100 milliseconds $\text{On time} = N1 \cdot L1 + N2 \cdot L2 + \dots + Nn \cdot L1 + Nn \cdot Ln$ Where N1 is number of type 1 pulses, L1 is length of type 1 pulses, etc. Average Emission Level = Peak Emission Level + 20*log(Duty cycle) Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
Test results:	PASS

Note 1: The symbol of "--" in the table which means not application.

Note 2: For the test data above 1 GHz, According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note 4: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.





For Question,
Please Contact with WSCT
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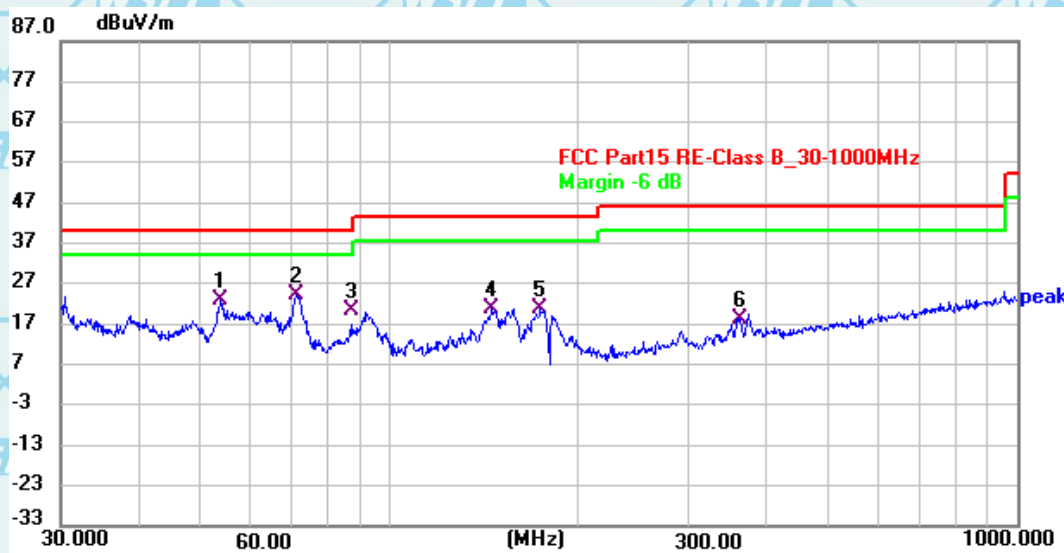
Report No.: WSCT-ANAB-R&E240700031A-BT

6.11.2. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	53.9290	42.16	-19.21	22.95	40.00	-17.05	QP
2 *	71.2675	46.83	-22.42	24.41	40.00	-15.59	QP
3	87.5710	44.33	-23.94	20.39	40.00	-19.61	QP
4	146.3094	40.58	-19.67	20.91	43.50	-22.59	QP
5	174.2712	42.03	-21.30	20.73	43.50	-22.77	QP
6	363.3028	37.31	-18.95	18.36	46.00	-27.64	QP



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Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	38.9732	53.16	-19.15	34.01	40.00	-5.99	QP
2	53.5521	49.71	-19.11	30.60	40.00	-9.40	QP
3	73.6170	52.21	-23.09	29.12	40.00	-10.88	QP
4	94.2630	55.36	-24.11	31.25	43.50	-12.25	QP
5	125.0065	46.68	-20.98	25.70	43.50	-17.80	QP
6	183.5220	43.54	-22.48	21.06	43.50	-22.44	QP

Note1:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) – Limits (dBuV)





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Above 1GHz

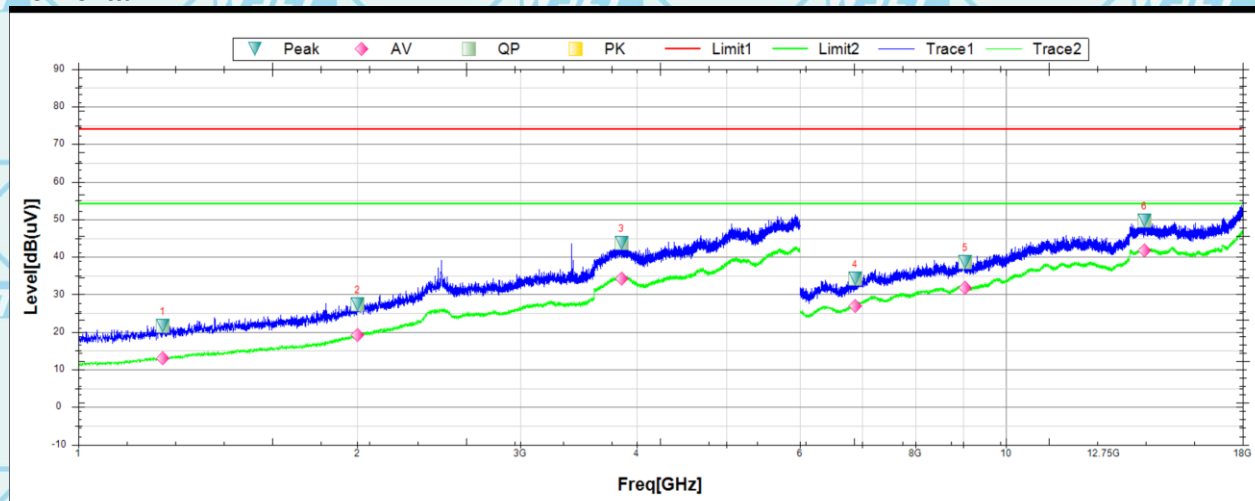
Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

GFSK

Low channel: 2402MHz

Horizontal:

**Susputed Data List**

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1233.7500	21.59	-1.69	23.28	74	-52.41	281.3	Horizontal	PK	Pass
2	2001.8750	27.43	2.45	24.98	74	-46.57	245.4	Horizontal	PK	Pass
3	3853.7500	43.6	11.35	32.25	74	-30.4	38.6	Horizontal	PK	Pass
4	6882.0000	34.14	35.18	-1.04	74	-39.86	-0.1	Horizontal	PK	Pass
5	9046.5000	38.68	37.43	1.25	74	-35.32	42.7	Horizontal	PK	Pass
6	14106.0000	49.59	41.36	8.23	74	-24.41	152.6	Horizontal	PK	Pass

Final Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1233.7500	13.04	-1.69	14.73	54	-40.96	281.3	Horizontal	AV	Pass
2	2001.8750	19.13	2.45	16.68	54	-34.87	245.4	Horizontal	AV	Pass
3	3853.7500	34.28	11.35	22.93	54	-19.72	38.6	Horizontal	AV	Pass
4	6882.0000	27	35.18	-8.18	54	-27	-0.1	Horizontal	AV	Pass
5	9046.5000	31.71	37.43	-5.72	54	-22.29	42.7	Horizontal	AV	Pass
6	14106.0000	41.79	41.36	0.43	54	-12.21	152.6	Horizontal	AV	Pass

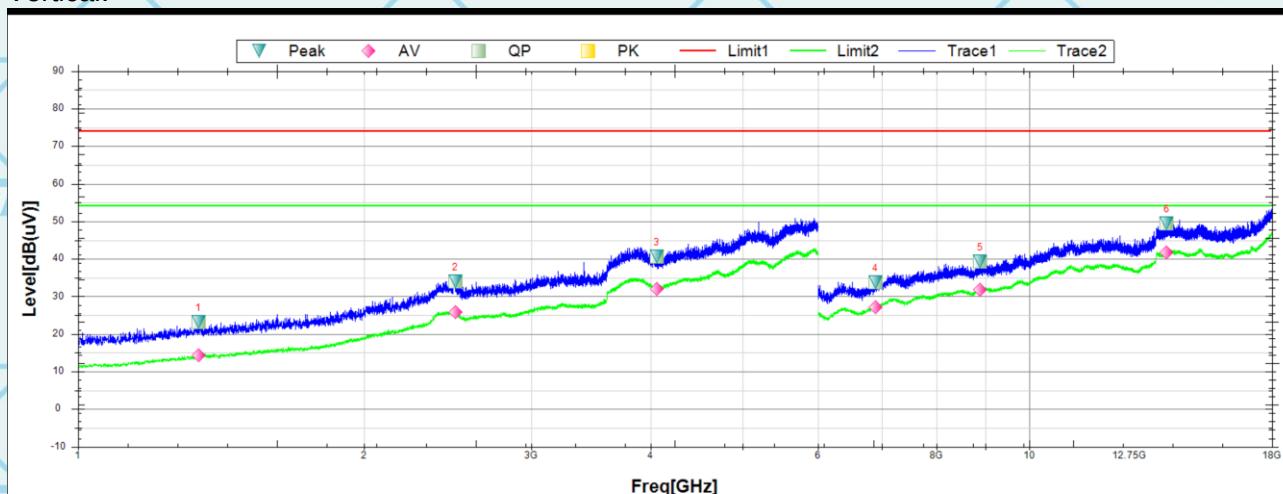


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Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1338.7500	23.22	-0.81	24.03	74	-50.78	291	Vertical	PK	Pass
2	2494.3750	33.98	7.58	26.4	74	-40.02	320.8	Vertical	PK	Pass
3	4061.2500	40.67	12.1	28.57	74	-33.33	277.8	Vertical	PK	Pass
4	6895.5000	33.66	35.22	-1.56	74	-40.34	336.7	Vertical	PK	Pass
5	8886.0000	39.26	37.35	1.91	74	-34.74	249.5	Vertical	PK	Pass
6	13959.0000	49.48	41.39	8.09	74	-24.52	348.6	Vertical	PK	Pass

Final Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1338.7500	14.25	-0.81	15.06	54	-39.75	291	Vertical	AV	Pass
2	2494.3750	25.87	7.58	18.29	54	-28.13	320.8	Vertical	AV	Pass
3	4061.2500	31.98	12.1	19.88	54	-22.02	277.8	Vertical	AV	Pass
4	6895.5000	27.02	35.22	-8.2	54	-26.98	336.7	Vertical	AV	Pass
5	8886.0000	31.75	37.35	-5.6	54	-22.25	249.5	Vertical	AV	Pass
6	13959.0000	41.77	41.39	0.38	54	-12.23	348.6	Vertical	AV	Pass



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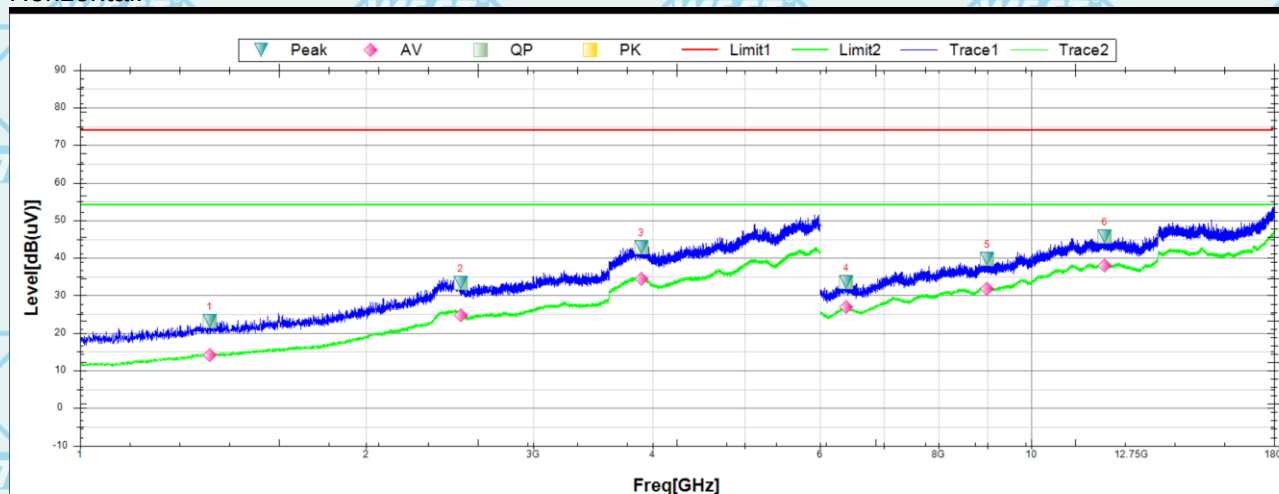


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Middle channel: 2441MHz

Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1368.7500	23.19	-0.66	23.85	74	-50.81	218	Horizontal	PK	Pass
2	2513.7500	33.35	6.84	26.51	74	-40.65	230	Horizontal	PK	Pass
3	3893.1250	42.87	11.67	31.2	74	-31.13	301.7	Horizontal	PK	Pass
4	6396.0000	33.61	33.87	-0.26	74	-40.39	45.8	Horizontal	PK	Pass
5	8995.5000	39.71	37.4	2.31	74	-34.29	141.4	Horizontal	PK	Pass
6	11953.5000	45.61	38.64	6.97	74	-28.39	213.1	Horizontal	PK	Pass

Final Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1368.7500	14.16	-0.66	14.82	54	-39.84	218	Horizontal	AV	Pass
2	2513.7500	24.65	6.84	17.81	54	-29.35	230	Horizontal	AV	Pass
3	3893.1250	34.4	11.67	22.73	54	-19.6	301.7	Horizontal	AV	Pass
4	6396.0000	26.83	33.87	-7.04	54	-27.17	45.8	Horizontal	AV	Pass
5	8995.5000	31.83	37.4	-5.57	54	-22.17	141.4	Horizontal	AV	Pass
6	11953.5000	37.97	38.64	-0.67	54	-16.03	213.1	Horizontal	AV	Pass



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Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1569.3750	24.06	0.1	23.96	74	-49.94	292.6	Vertical	PK	Pass
2	2697.5000	32.93	6.66	26.27	74	-41.07	314.1	Vertical	PK	Pass
3	4318.7500	43.88	13.49	30.39	74	-30.12	359.4	Vertical	PK	Pass
4	7714.5000	36.7	36.57	0.13	74	-37.3	166.6	Vertical	PK	Pass
5	10152.0000	41.49	38.31	3.18	74	-32.51	271.7	Vertical	PK	Pass
6	12826.5000	44.41	38.85	5.56	74	-29.59	85.2	Vertical	PK	Pass

Final Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1569.3750	15.15	0.1	15.05	54	-38.85	292.6	Vertical	AV	Pass
2	2697.5000	24.4	6.66	17.74	54	-29.6	314.1	Vertical	AV	Pass
3	4318.7500	34.44	13.49	20.95	54	-19.56	359.4	Vertical	AV	Pass
4	7714.5000	29.9	36.57	-6.67	54	-24.1	166.6	Vertical	AV	Pass
5	10152.0000	34.32	38.31	-3.99	54	-19.68	271.7	Vertical	AV	Pass
6	12826.5000	37.17	38.85	-1.68	54	-16.83	85.2	Vertical	AV	Pass





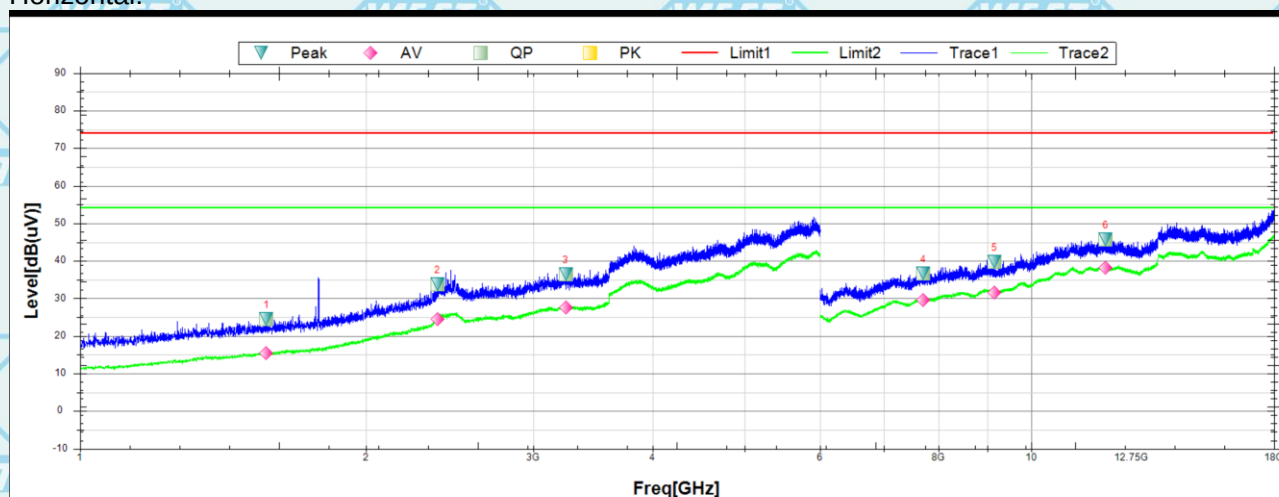
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High channel: 2480MHz

Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1571.2500	24.53	0.11	24.42	74	-49.47	353.9	Horizontal	PK	Pass
2	2377.5000	33.81	6.86	26.95	74	-40.19	78.9	Horizontal	PK	Pass
3	3242.5000	36.39	8.82	27.57	74	-37.61	354.6	Horizontal	PK	Pass
4	7707.0000	36.57	36.56	0.01	74	-37.43	306.5	Horizontal	PK	Pass
5	9156.0000	39.69	37.51	2.18	74	-34.31	251.5	Horizontal	PK	Pass
6	11980.5000	45.74	38.62	7.12	74	-28.26	2.1	Horizontal	PK	Pass

Final Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1571.2500	15.39	0.11	15.28	54	-38.61	353.9	Horizontal	AV	Pass
2	2377.5000	24.57	6.86	17.71	54	-29.43	78.9	Horizontal	AV	Pass
3	3242.5000	27.51	8.82	18.69	54	-26.49	354.6	Horizontal	AV	Pass
4	7707.0000	29.63	36.56	-6.93	54	-24.37	306.5	Horizontal	AV	Pass
5	9156.0000	31.49	37.51	-6.02	54	-22.51	251.5	Horizontal	AV	Pass
6	11980.5000	38.18	38.62	-0.44	54	-15.82	2.1	Horizontal	AV	Pass



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Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1466.2500	23.27	-0.3	23.57	74	-50.73	39.1	Vertical	PK	Pass
2	2248.1250	30.62	4.56	26.06	74	-43.38	10.8	Vertical	PK	Pass
3	3325.0000	36.14	8.82	27.32	74	-37.86	194.6	Vertical	PK	Pass
4	7153.5000	36.28	35.73	0.55	74	-37.72	2.4	Vertical	PK	Pass
5	8986.5000	40	37.39	2.61	74	-34	360.1	Vertical	PK	Pass
6	11584.5000	45.5	38.97	6.53	74	-28.5	295.8	Vertical	PK	Pass

Final Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1466.2500	14.8	-0.3	15.1	54	-39.2	39.1	Vertical	AV	Pass
2	2248.1250	21.81	4.56	17.25	54	-32.19	10.8	Vertical	AV	Pass
3	3325.0000	27.31	8.82	18.49	54	-26.69	194.6	Vertical	AV	Pass
4	7153.5000	28.62	35.73	-7.11	54	-25.38	2.4	Vertical	AV	Pass
5	8986.5000	31.82	37.39	-5.57	54	-22.18	360.1	Vertical	AV	Pass
6	11584.5000	38.04	38.97	-0.93	54	-15.96	295.8	Vertical	AV	Pass

Note:

- The emission levels of other frequencies are very lower than the limit and not show in test report.
- Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
- Data of measurement shown "---" in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (GFSK) was submitted only.
- EUT has been tested in unfolded states, and the report only reflects data in the unfolded state (worst-case scenario)



Report No.: WSCT-ANAB-R&E240700031A-BT

7. Test Setup Photographs

Please refer to Annex "Set Up Photos-15C" for test setup photos

*******END OF REPORT*******