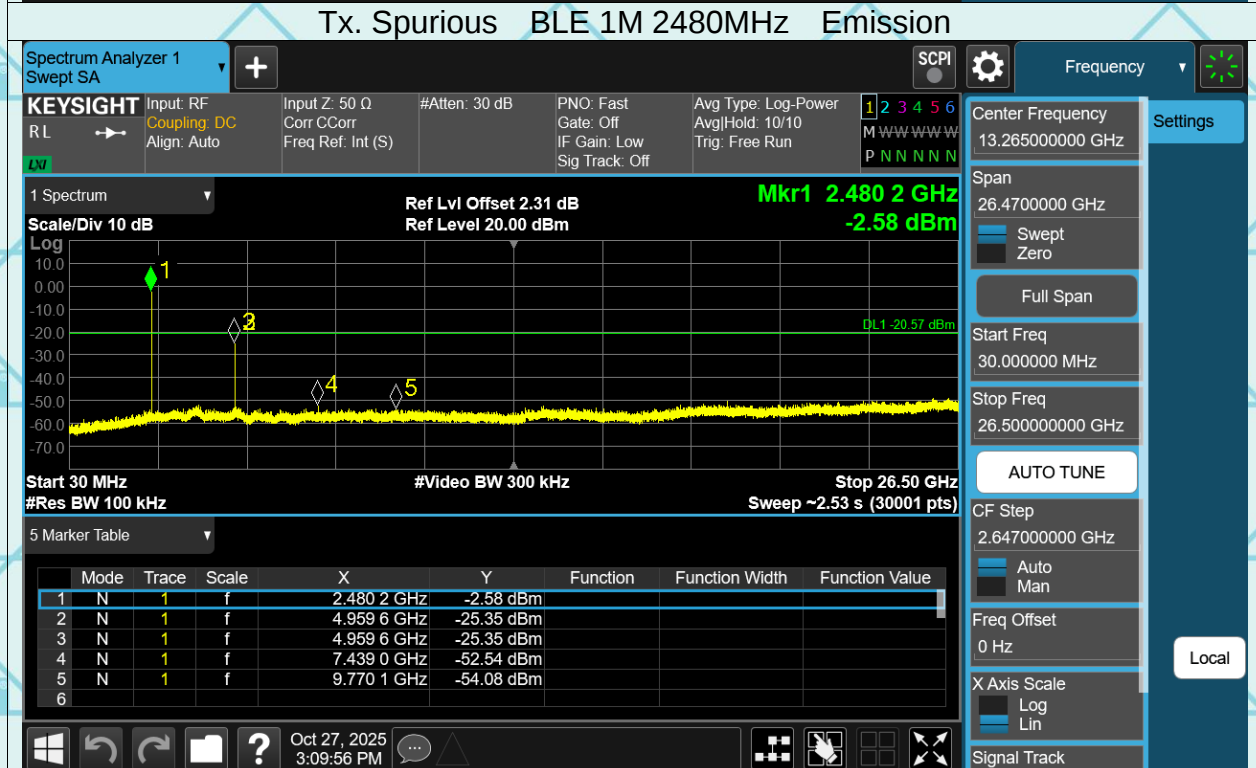
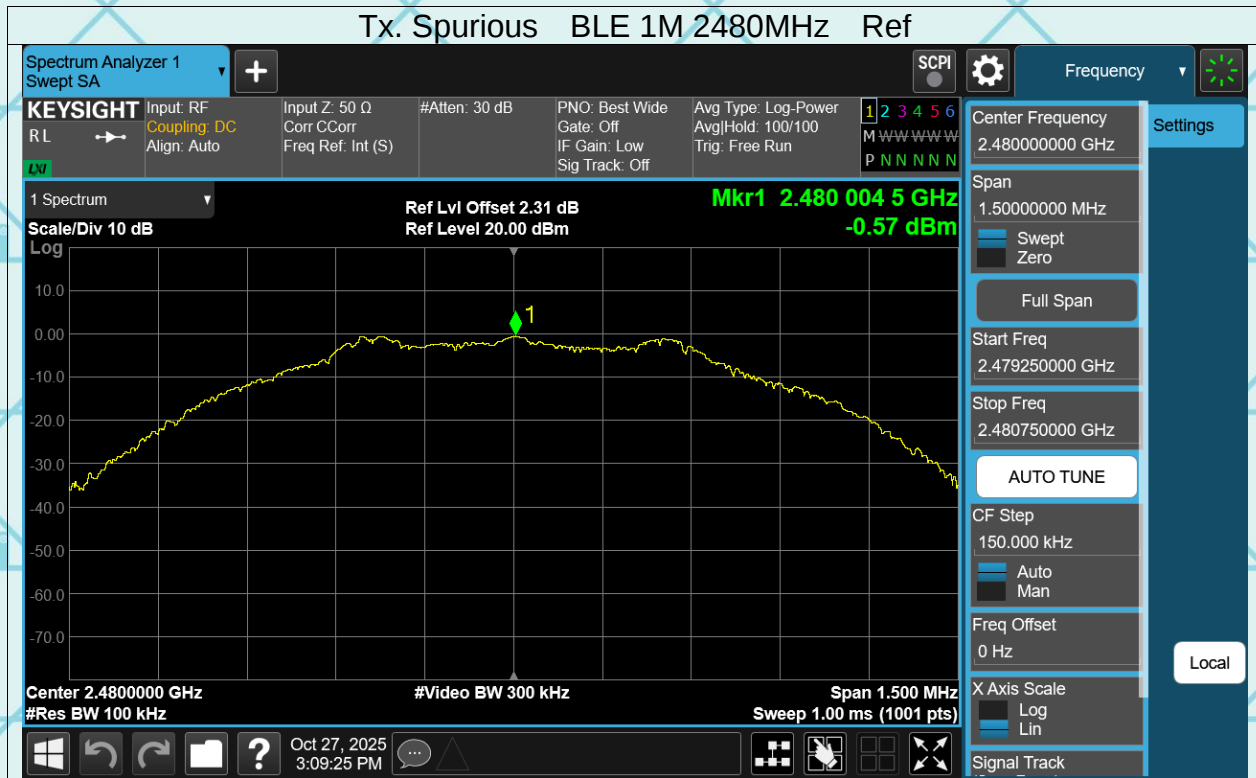
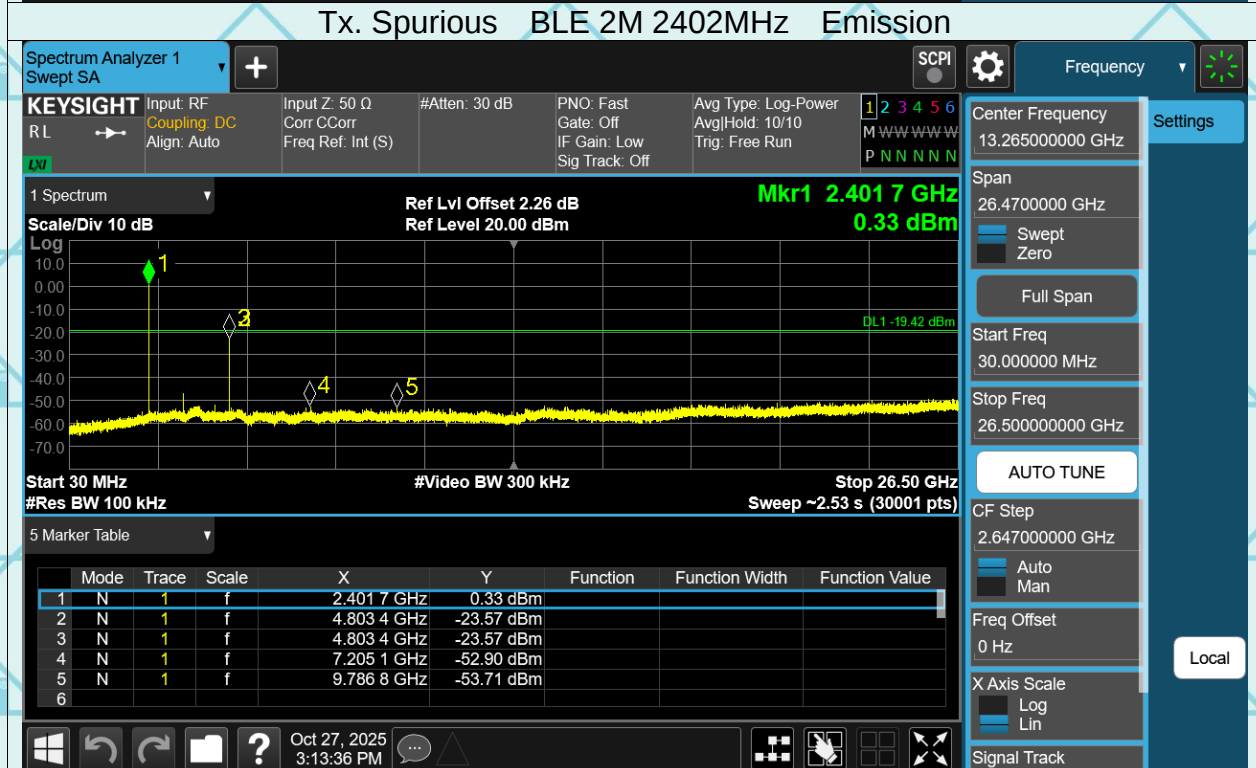
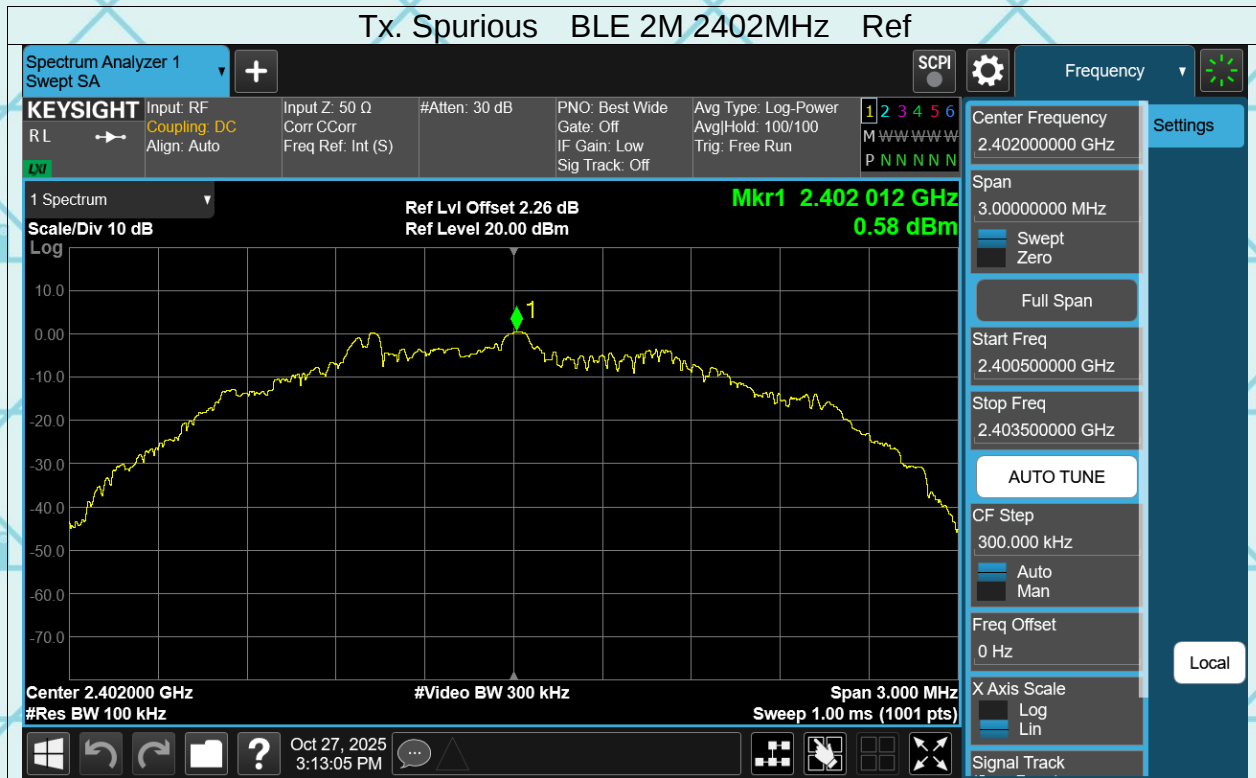
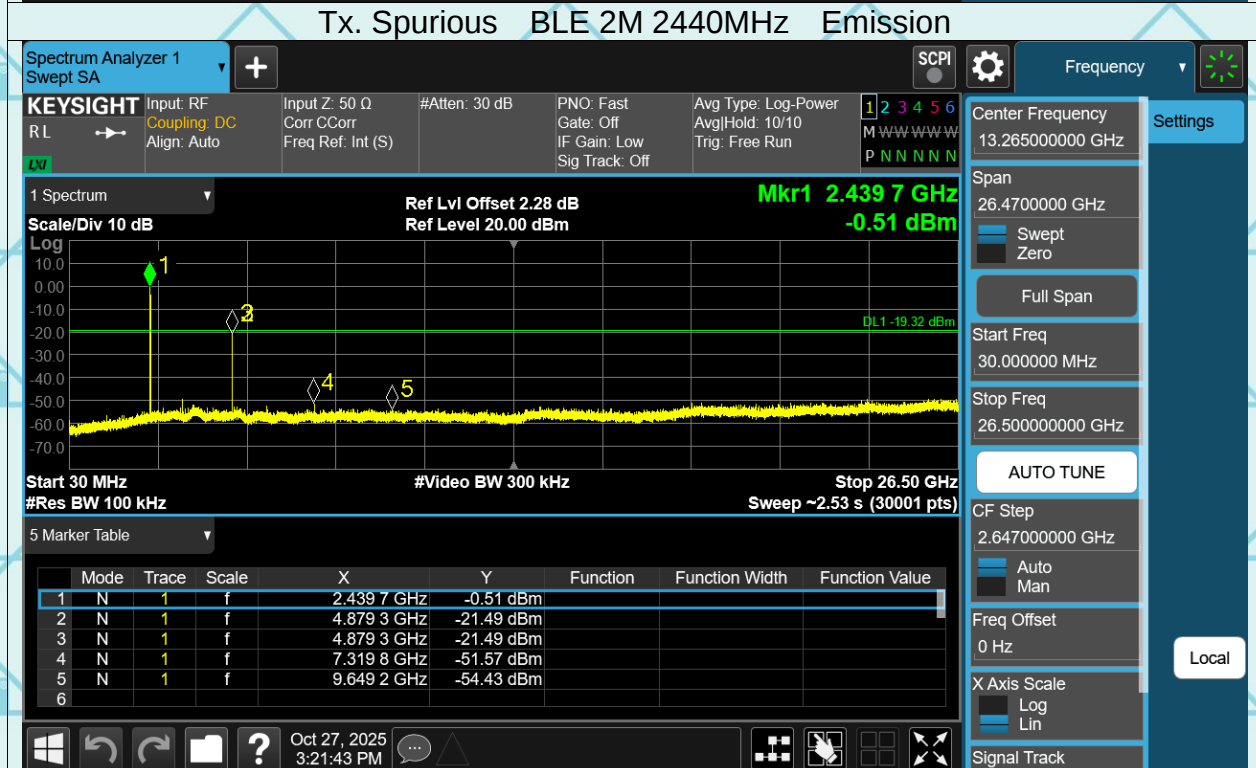
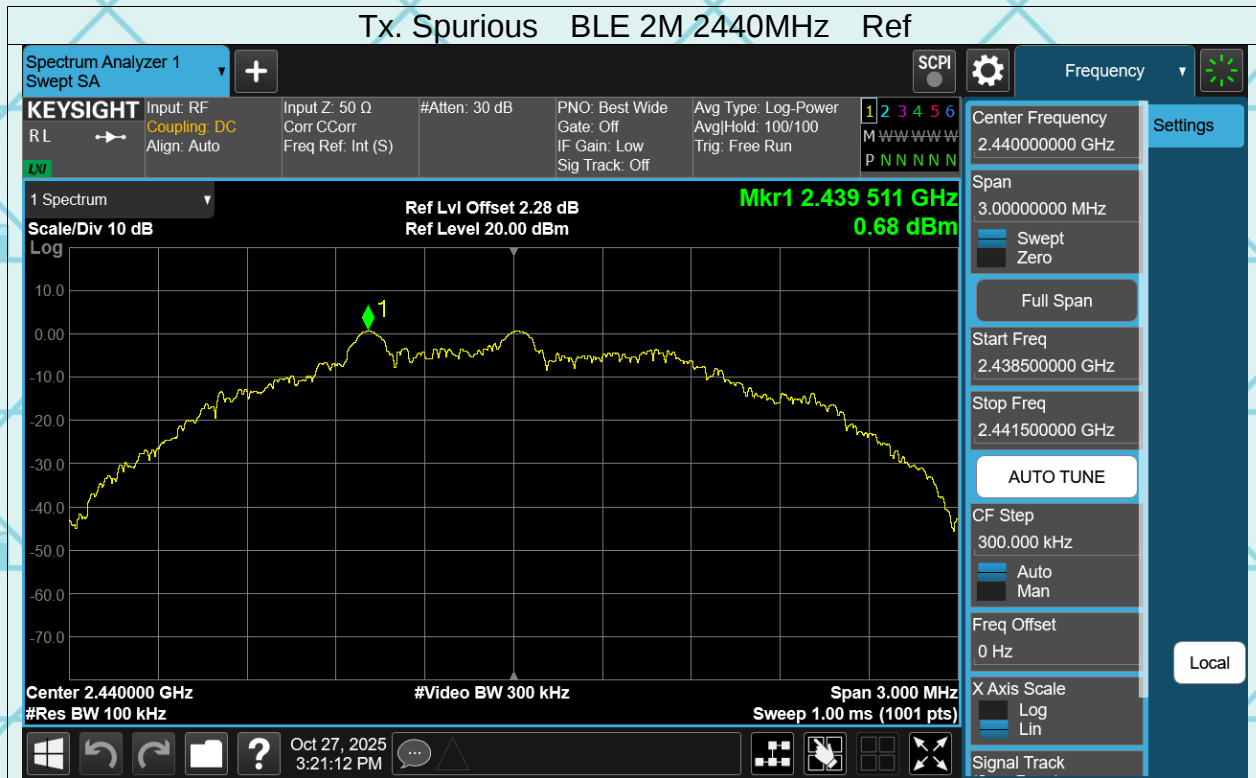
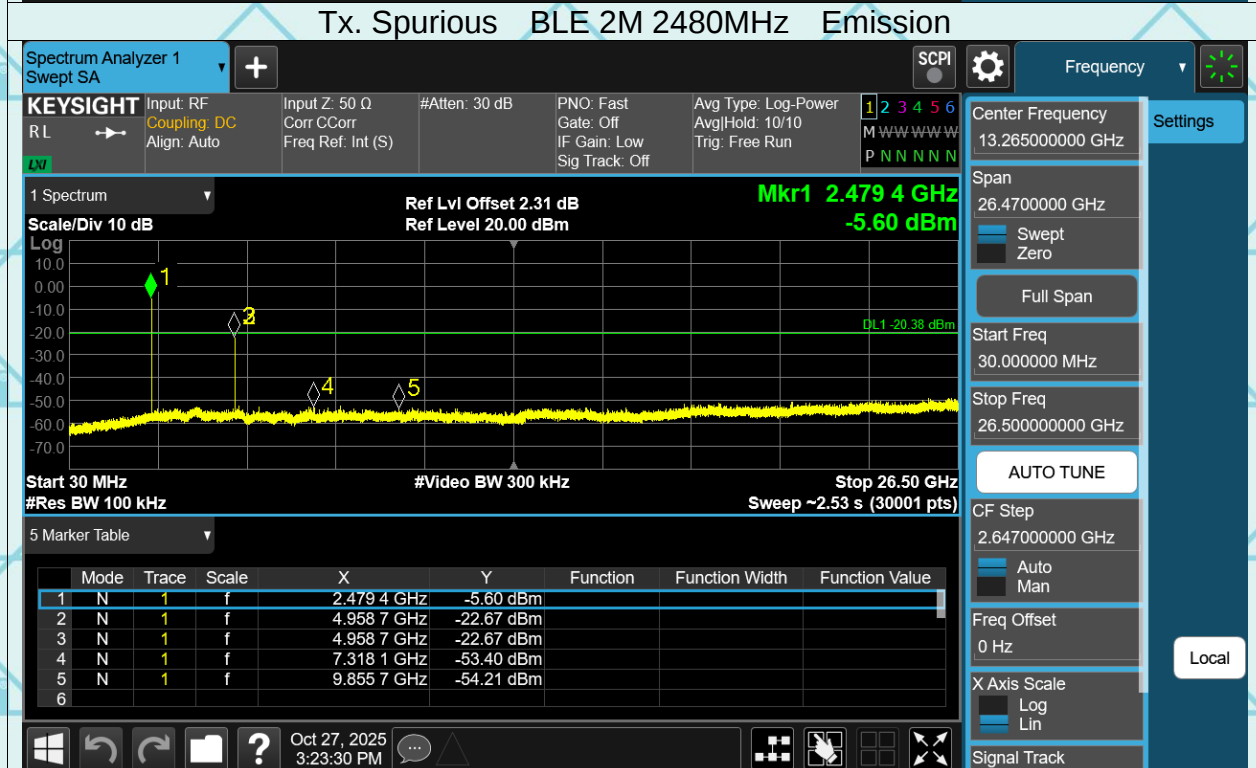
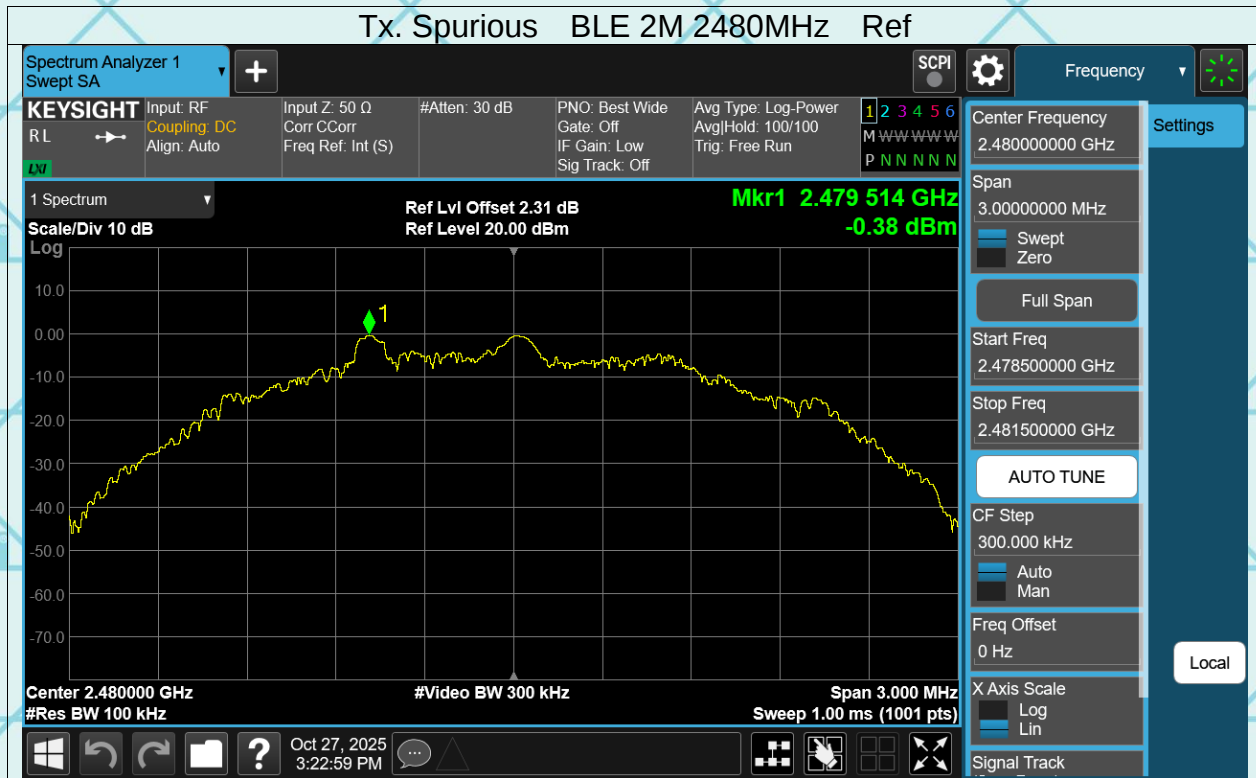




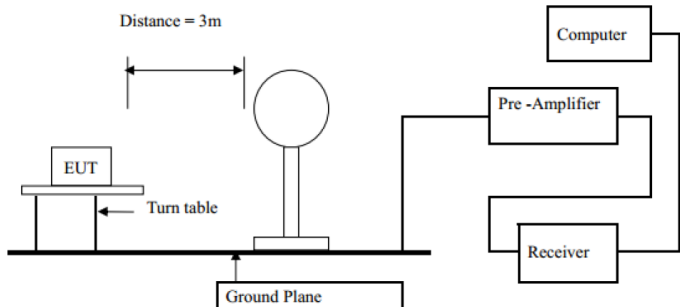


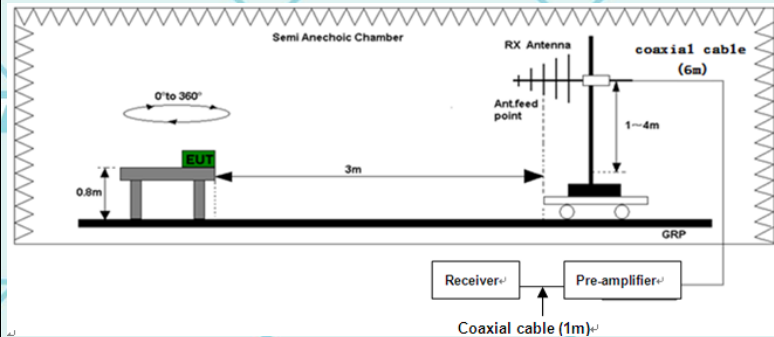




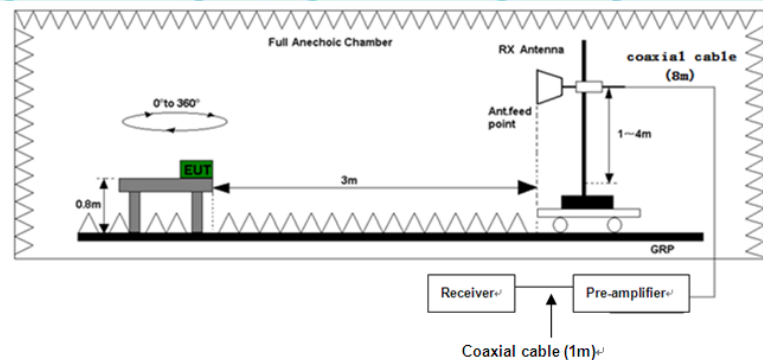
6.7. Radiated Spurious Emission Measurement

6.7.1. 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					
Operation mode:	Refer to item 4.1					
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark	
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	
	Above 1GHz	Peak	1MHz	3MHz	Peak Value	
Peak		1MHz	10Hz	Average Value		
Limit:	Frequency		Field Strength (microvolts/meter)		Measurement 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	
	Frequency		Field Strength (microvolts/meter)		Measurement Distance (meters)	Detector
	Above 1GHz		500		3	Average
		5000		3	Peak	
Test setup:	For radiated emissions below 30MHz					
						
Test setup:	30MHz to 1GHz					



Above 1GHz



Test Procedure:

- For the radiated emission test below 1GHz:
The EUT was placed on a turntable with 0.1 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.

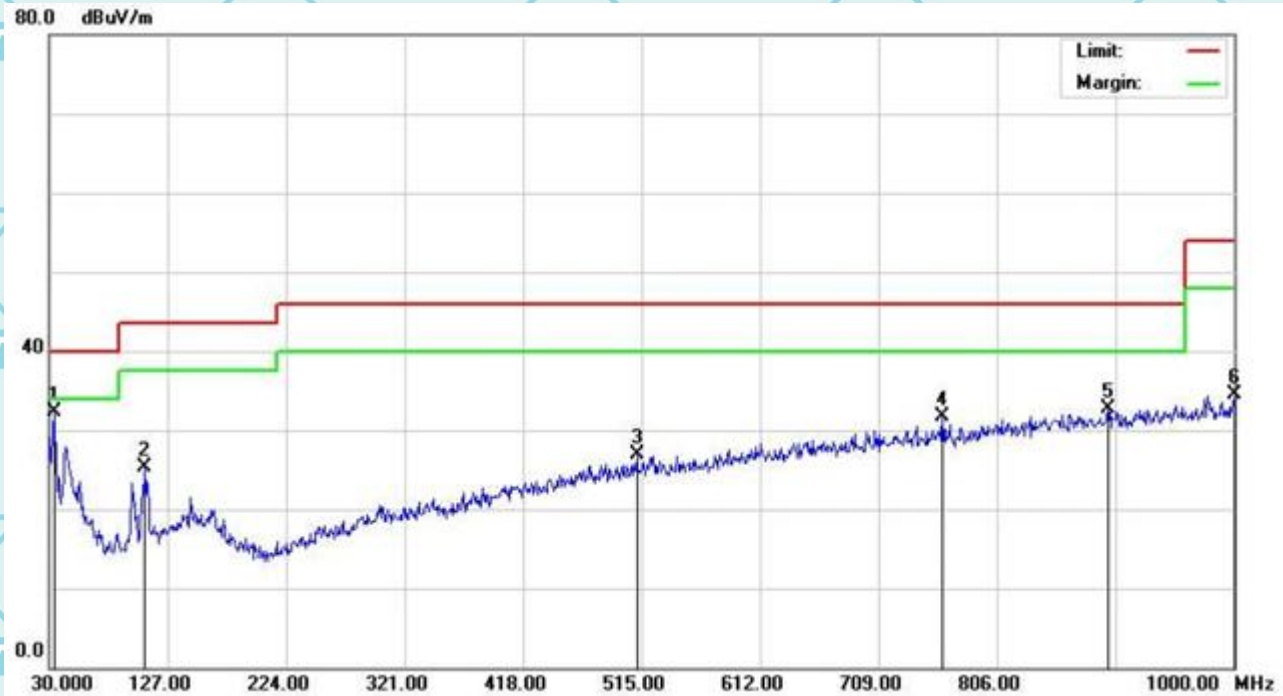
	2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 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; $VBW \geq RBW$; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 4.1 for details
Test results:	PASS

Note: Freq. = Emission frequency in MHz
 Reading level (dBμV) = Receiver reading
 Corr. Factor (dB) = Attenuation factor + Cable loss
 Level (dBμV) = Reading level (dBμV) + Corr. Factor (dB)
 Limit (dBμV) = Limit stated in standard
 Margin (dB) = Level (dBμV) – Limits (dBμV)

6.7.2. Test Data(Worst case)

Please refer to following diagram for individual
Below 1GHz

The worst mode is BLE Low Channel
Horizontal:



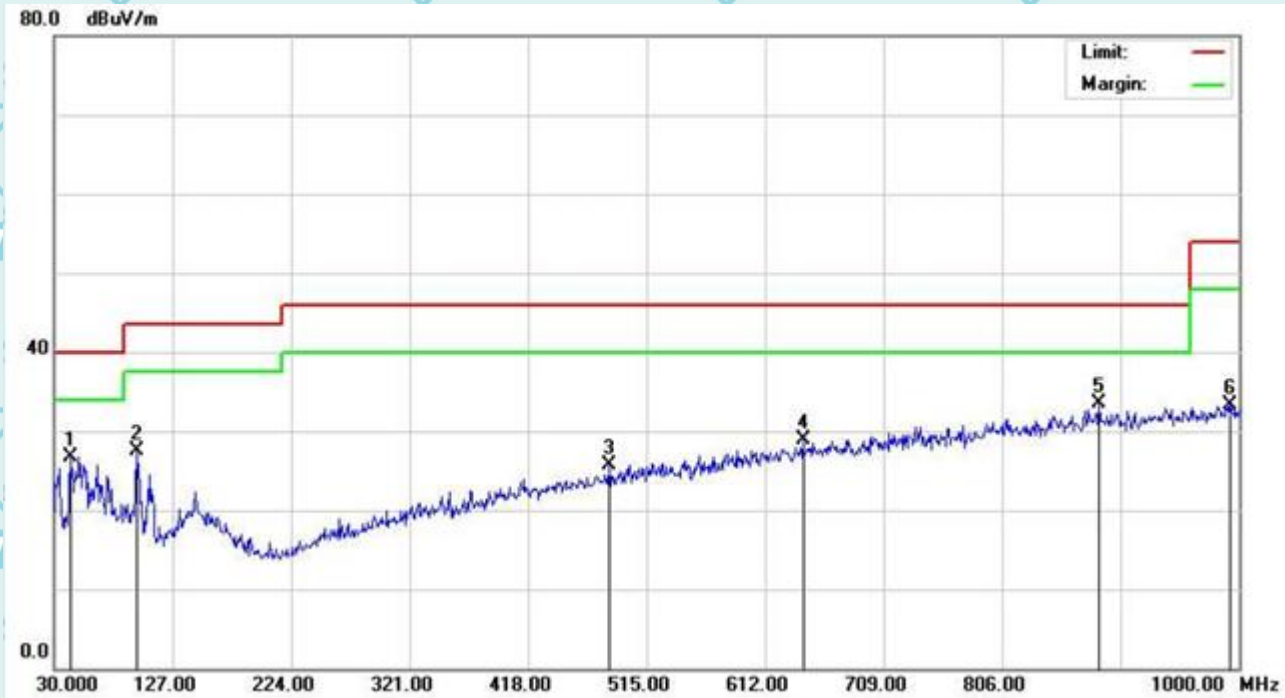
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	33.8800	52.93	-20.53	32.40	40.00	-7.60	QP
2		108.5700	45.56	-20.16	25.40	43.50	-18.10	QP
3		511.1200	45.05	-18.20	26.85	46.00	-19.15	QP
4		761.3800	48.63	-16.87	31.76	46.00	-14.24	QP
5		897.1800	48.67	-15.99	32.68	46.00	-13.32	QP
6		1000.000	49.82	-15.27	34.55	54.00	-19.45	QP

Report No.: WSCT-ANAB-R&E251100087A-BLE

Issued: 18 November 2025

Revised: None

Vertical:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		43.5800	34.29	-7.58	26.71	40.00	-13.29	QP
2		97.9000	38.97	-11.42	27.55	43.50	-15.95	QP
3		484.9300	26.98	-1.34	25.64	46.00	-20.36	QP
4		643.0400	26.82	2.16	28.98	46.00	-17.02	QP
5	*	885.5400	27.08	6.44	33.52	46.00	-12.48	QP
6		993.2100	25.43	7.86	33.29	54.00	-20.71	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)

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.

Low channel: 2402MHz

Horizontal:



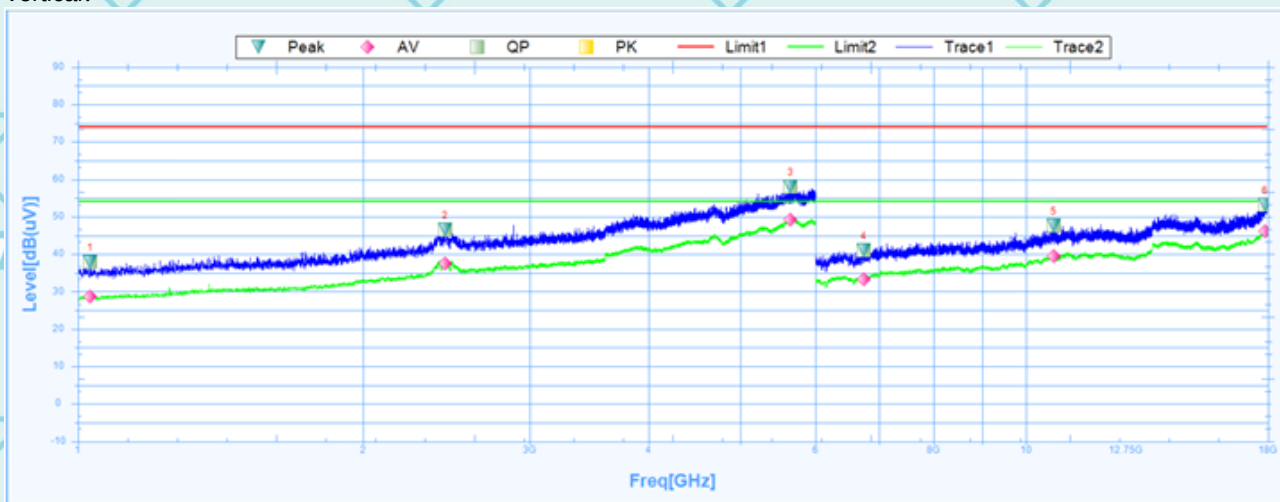
Suspected Data List

NO.	Freq. [MHz]	Level [dB(uV)]	Factor [dB]	Reading [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1145.0000	37.66	24.37	13.29	74	-36.34	304.6	Horizontal	PK	Pass
1	1145.0000	29.26	24.37	4.89	54	-24.74	304.6	Horizontal	AV	Pass
2	2484.3750	46.9	27.55	19.35	74	-27.1	139.6	Horizontal	PK	Pass
2	2484.3750	37.71	27.55	10.16	54	-16.29	139.6	Horizontal	AV	Pass
3	4852.5000	61.22	31.3	29.92	74	-12.78	353.4	Horizontal	PK	Pass
3	4852.5000	43.81	31.3	12.51	54	-10.19	353.4	Horizontal	AV	Pass
4	6819.0000	41.4	5.69	35.71	74	-32.6	360.1	Horizontal	PK	Pass
4	6819.0000	33.64	5.69	27.95	54	-20.36	360.1	Horizontal	AV	Pass
5	11029.5000	46.83	15.71	31.12	74	-27.17	152.3	Horizontal	PK	Pass
5	11029.5000	40.58	15.71	24.87	54	-13.42	152.3	Horizontal	AV	Pass
6	17809.5000	53.57	22.68	30.89	74	-20.43	360.1	Horizontal	PK	Pass
6	17809.5000	45.77	22.68	23.09	54	-8.23	360.1	Horizontal	AV	Pass

Report No.: WSCT-ANAB-R&E251100087A-BLE Issued: 18 November 2025

Revised: None

Vertical:



Suspected Data List

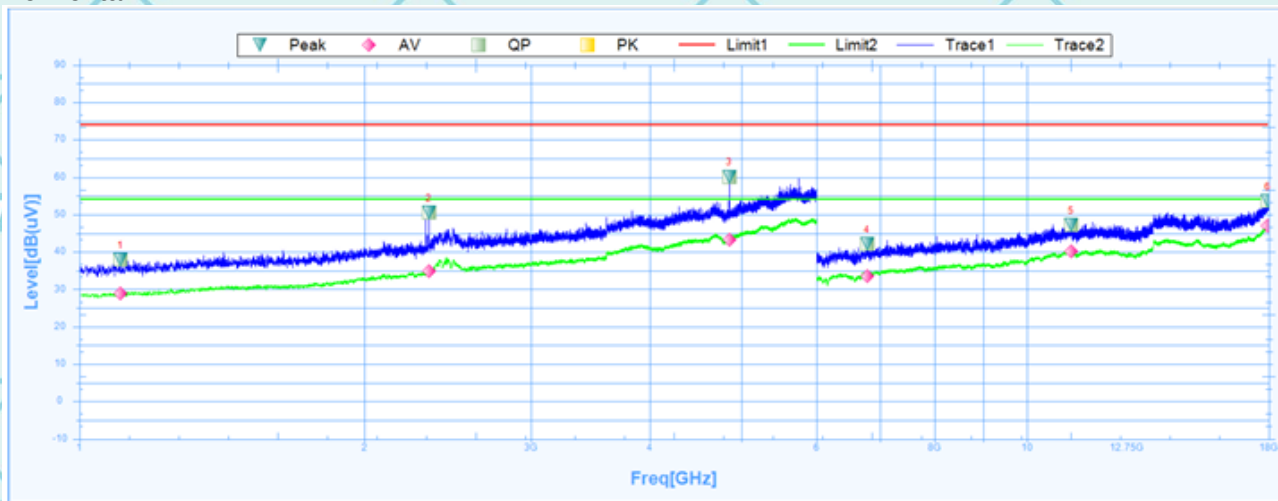
NO.	Freq. [MHz]	Level [dB(uV)]	Factor [dB]	Reading [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1030.6250	38.01	24.32	13.69	74	-35.99	65.4	Vertical	PK	Pass
1	1030.6250	28.59	24.32	4.27	54	-25.41	65.4	Vertical	AV	Pass
2	2441.2500	46.59	27.4	19.19	74	-27.41	324.9	Vertical	PK	Pass
2	2441.2500	37.58	27.4	10.18	54	-16.42	324.9	Vertical	AV	Pass
3	5648.7500	58.06	32.24	25.82	74	-15.94	140.8	Vertical	PK	Pass
3	5648.7500	49.21	32.24	16.97	54	-4.79	140.8	Vertical	AV	Pass
4	6747.0000	41	5.38	35.62	74	-33	147.4	Vertical	PK	Pass
4	6747.0000	33.38	5.38	28	54	-20.62	147.4	Vertical	AV	Pass
5	10702.5000	47.73	14.6	33.13	74	-26.27	344.6	Vertical	PK	Pass
5	10702.5000	39.44	14.6	24.84	54	-14.56	344.6	Vertical	AV	Pass
6	17881.5000	53.15	23.15	30	74	-20.85	54.2	Vertical	PK	Pass
6	17881.5000	46.13	23.15	22.98	54	-7.87	54.2	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E251100087A-BLE Issued: 18 November 2025

Revised: None

Middle channel: 2440MHz

Horizontal:



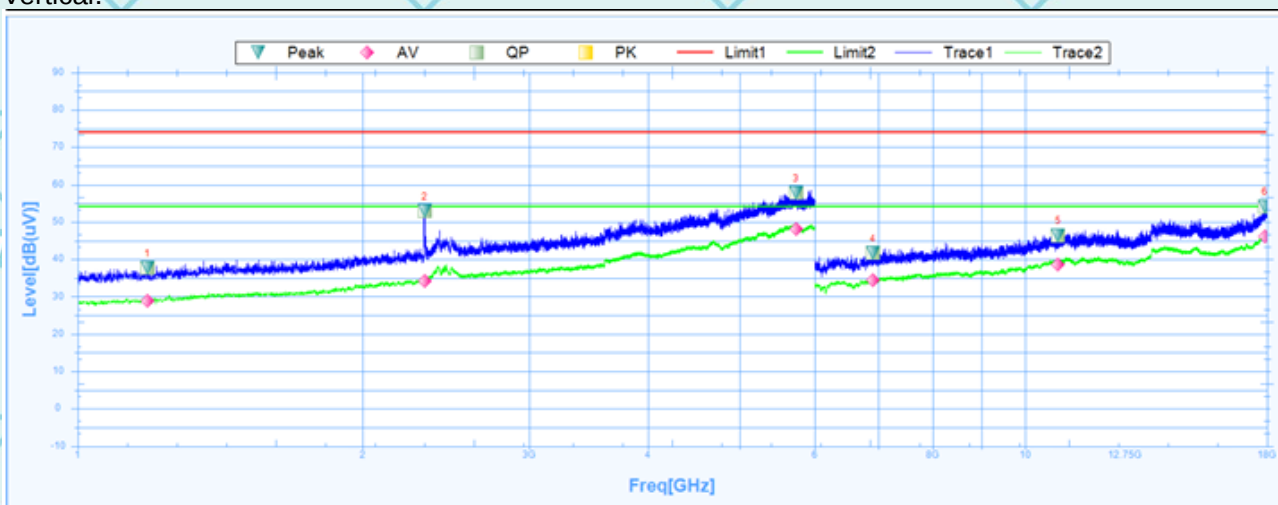
Suspected Data List

NO.	Freq. [MHz]	Level [dB(uV)]	Factor [dB]	Reading [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1104.3750	37.86	24.35	13.51	74	-36.14	134.8	Horizontal	PK	Pass
1	1104.3750	28.79	24.35	4.44	54	-25.21	134.8	Horizontal	AV	Pass
2	2338.1250	50.61	27.05	23.56	74	-23.39	85.8	Horizontal	PK	Pass
2	2338.1250	34.77	27.05	7.72	54	-19.23	85.8	Horizontal	AV	Pass
3	4852.5000	60.14	31.3	28.84	74	-13.86	0	Horizontal	PK	Pass
3	4852.5000	43.24	31.3	11.94	54	-10.76	0	Horizontal	AV	Pass
4	6781.5000	42.09	5.54	36.55	74	-31.91	220.4	Horizontal	PK	Pass
4	6781.5000	33.49	5.54	27.95	54	-20.51	220.4	Horizontal	AV	Pass
5	11134.5000	47.14	15.83	31.31	74	-26.86	109.3	Horizontal	PK	Pass
5	11134.5000	40.11	15.83	24.28	54	-13.89	109.3	Horizontal	AV	Pass
6	17956.5000	53.54	23.62	29.92	74	-20.46	20.1	Horizontal	PK	Pass
6	17956.5000	46.94	23.62	23.32	54	-7.06	20.1	Horizontal	AV	Pass

Report No.: WSCT-ANAB-R&E251100087A-BLE Issued: 18 November 2025

Revised: None

Vertical:



Suspected Data List

NO.	Freq. [MHz]	Level [dB(uV)]	Factor [dB]	Reading [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1185.0000	37.72	24.39	13.33	74	-36.28	0	Vertical	PK	Pass
1	1185.0000	28.99	24.39	4.6	54	-25.01	0	Vertical	AV	Pass
2	2325.6250	52.91	27.01	25.9	74	-21.09	39.2	Vertical	PK	Pass
2	2325.6250	34.19	27.01	7.18	54	-19.81	39.2	Vertical	AV	Pass
3	5733.7500	57.74	32.37	25.37	74	-16.26	165.9	Vertical	PK	Pass
3	5733.7500	48.21	32.37	15.84	54	-5.79	165.9	Vertical	AV	Pass
4	6912.0000	41.66	6.06	35.6	74	-32.34	286.2	Vertical	PK	Pass
4	6912.0000	34.47	6.06	28.41	54	-19.53	286.2	Vertical	AV	Pass
5	10840.5000	46.45	14.84	31.61	74	-27.55	92.6	Vertical	PK	Pass
5	10840.5000	38.72	14.84	23.88	54	-15.28	92.6	Vertical	AV	Pass
6	17904.0000	54.18	23.29	30.89	74	-19.82	316.1	Vertical	PK	Pass
6	17904.0000	46.18	23.29	22.89	54	-7.82	316.1	Vertical	AV	Pass

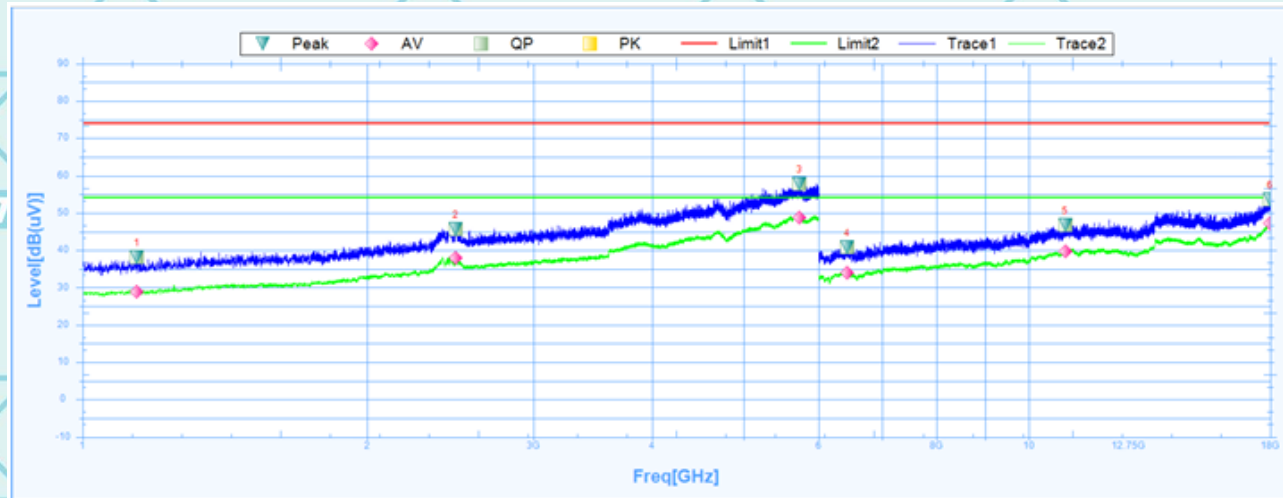
Report No.: WSCT-ANAB-R&E251100087A-BLE

Issued: 18 November 2025

Revised: None

High channel: 2480MHz

Horizontal:



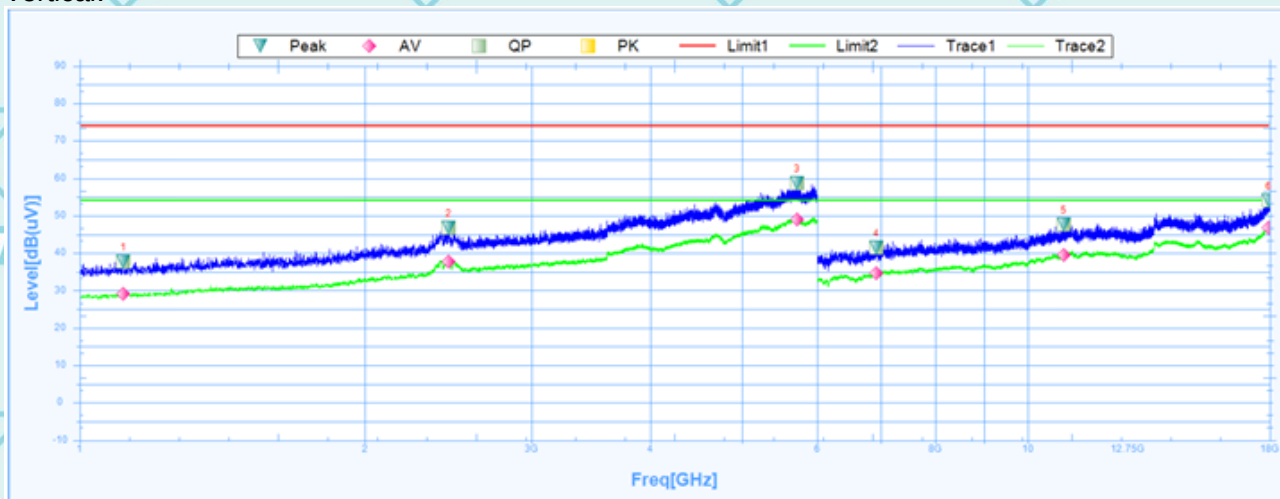
Suspected Data List

NO.	Freq. [MHz]	Level [dB(uV)]	Factor [dB]	Reading [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1141.8750	38.09	24.37	13.72	74	-35.91	69	Horizontal	PK	Pass
1	1141.8750	28.86	24.37	4.49	54	-25.14	69	Horizontal	AV	Pass
2	2481.8750	45.77	27.54	18.23	74	-28.23	77.4	Horizontal	PK	Pass
2	2481.8750	38.05	27.54	10.51	54	-15.95	77.4	Horizontal	AV	Pass
3	5728.1250	57.8	32.36	25.44	74	-16.2	332	Horizontal	PK	Pass
3	5728.1250	48.69	32.36	16.33	54	-5.31	332	Horizontal	AV	Pass
4	6432.0000	40.91	4.61	36.3	74	-33.09	360	Horizontal	PK	Pass
4	6432.0000	33.96	4.61	29.35	54	-20.04	360	Horizontal	AV	Pass
5	10930.5000	46.69	15.23	31.46	74	-27.31	240.8	Horizontal	PK	Pass
5	10930.5000	39.78	15.23	24.55	54	-14.22	240.8	Horizontal	AV	Pass
6	17995.5000	53.64	23.9	29.74	74	-20.36	166.6	Horizontal	PK	Pass
6	17995.5000	47.29	23.9	23.39	54	-6.71	166.6	Horizontal	AV	Pass

Report No.: WSCT-ANAB-R&E251100087A-BLE Issued: 18 November 2025

Revised: None

Vertical:



Suspected Data List

NO.	Freq. [MHz]	Level [dB(uV)]	Factor [dB]	Reading [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1112.5000	37.63	24.36	13.27	74	-36.37	265	Vertical	PK	Pass
1	1112.5000	29.1	24.36	4.74	54	-24.9	265	Vertical	AV	Pass
2	2451.8750	46.78	27.44	19.34	74	-27.22	196.9	Vertical	PK	Pass
2	2451.8750	37.7	27.44	10.26	54	-16.3	196.9	Vertical	AV	Pass
3	5714.3750	58.74	32.34	26.4	74	-15.26	359.3	Vertical	PK	Pass
3	5714.3750	48.97	32.34	16.63	54	-5.03	359.3	Vertical	AV	Pass
4	6927.0000	41.47	6.11	35.36	74	-32.53	337.7	Vertical	PK	Pass
4	6927.0000	34.67	6.11	28.56	54	-19.33	337.7	Vertical	AV	Pass
5	10918.5000	47.68	15.17	32.51	74	-26.32	0.6	Vertical	PK	Pass
5	10918.5000	39.56	15.17	24.39	54	-14.44	0.6	Vertical	AV	Pass
6	17961.0000	54.16	23.65	30.51	74	-19.84	310.2	Vertical	PK	Pass
6	17961.0000	46.69	23.65	23.04	54	-7.31	310.2	Vertical	AV	Pass

Note:

1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.
2. Emission Level= Reading Level+Probe Factor +Cable Loss.
3. Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

6.7.3. Restricted Bands Requirements

Test result for GFSK Mode (the worst case)

Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel							
2390	66.10	-8.76	57.34	74	16.66	H	PK
2390	56.85	-8.76	48.09	54	5.91	H	AV
2390	65.60	-8.73	56.87	74	17.13	V	PK
2390	56.86	-8.73	48.13	54	5.87	V	AV
High Channel							
2483.5	68.59	-8.76	59.83	74	14.17	H	PK
2483.5	53.23	-8.76	44.47	54	9.53	H	AV
2483.5	65.06	-8.73	56.33	74	17.67	V	PK
2483.5	54.75	-8.73	46.02	54	7.98	V	AV

Note: Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = Attenuation factor + Cable loss

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

Limit (dBuV) = Limit stated in standard

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

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