

BAND EDGE COMPLIANCE

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in each available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge. The analyzer screen captures for this test show an example of the emission mask for the test mode also used during the radiated spurious emissions at the restricted band edges test.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Generator - Signal	Keysight	N5171B (EXG)	TEY	2024-01-11	2027-01-11
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

BAND EDGE COMPLIANCE

EUT:	VLY-600	Work Order:	F3EN0214
Serial Number:	SLVMV04X24354058	Date:	2024-10-30
Customer:	Verily Life Sciences	Temperature:	22°C
Attendees:	Franz Sherman	Relative Humidity:	44.5%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	F3EN0214-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

PRBS9.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

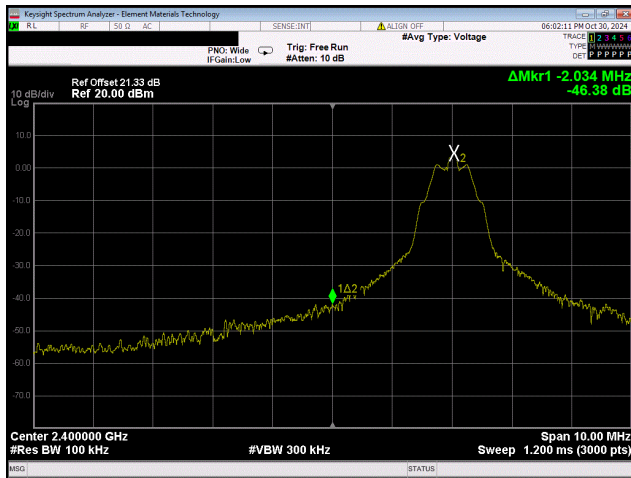


Tested By

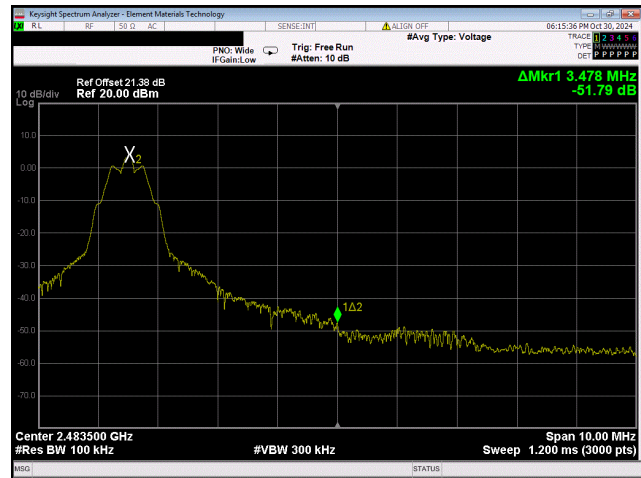
TEST RESULTS

		Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 125 kbps				
	Low Channel, 2402 MHz	-46.38	-20	Pass
	High Channel, 2480 MHz	-51.79	-20	Pass
BLE/GFSK 500 kbps				
	Low Channel, 2402 MHz	-46.58	-20	Pass
	High Channel, 2480 MHz	-51.93	-20	Pass
BLE/GFSK 1 Mbps				
	Low Channel, 2402 MHz	-46.23	-20	Pass
	High Channel, 2480 MHz	-51.74	-20	Pass
BLE/GFSK 2 Mbps				
	Low Channel, 2402 MHz	-32.62	-20	Pass
	High Channel, 2480 MHz	-47.99	-20	Pass

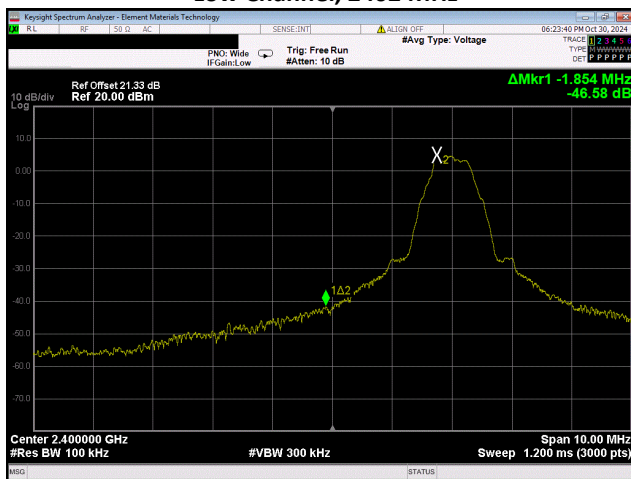
BAND EDGE COMPLIANCE



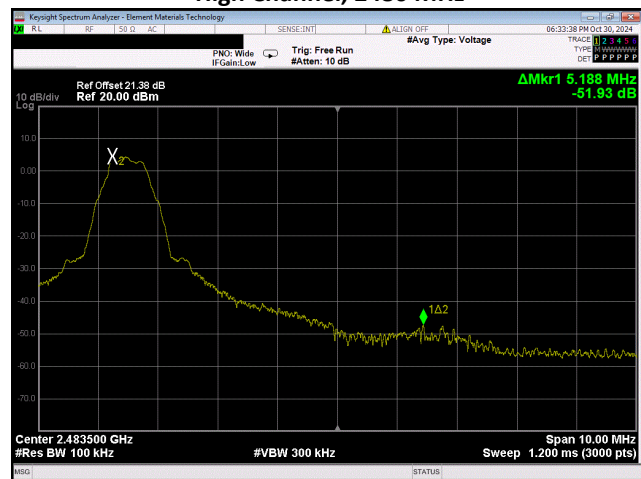
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



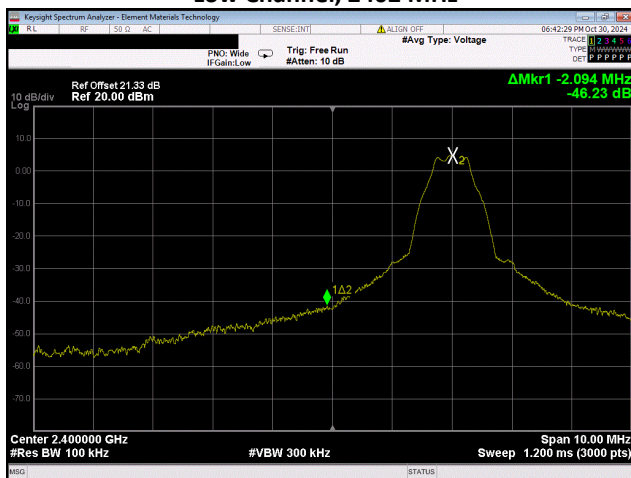
BLE/GFSK 125 kbps
High Channel, 2480 MHz



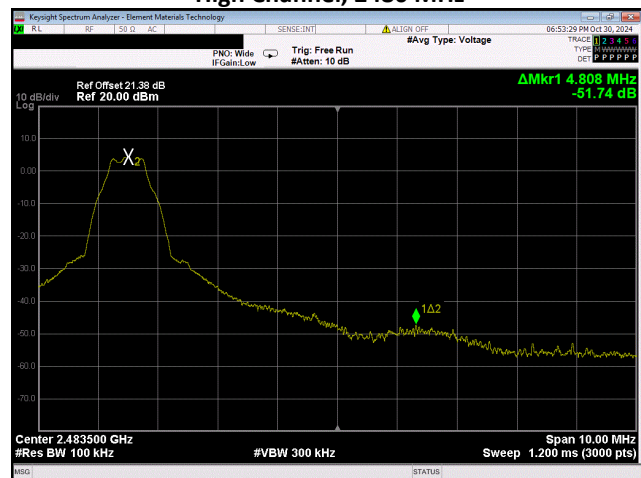
BLE/GFSK 500 kbps
Low Channel, 2402 MHz



BLE/GFSK 500 kbps
High Channel, 2480 MHz

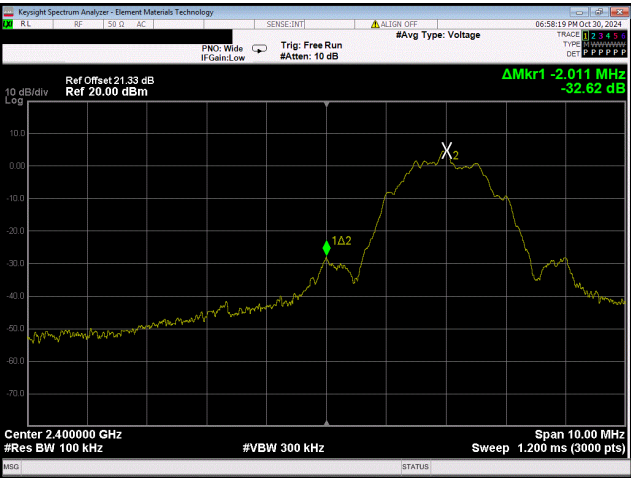


BLE/GFSK 1 Mbps
Low Channel, 2402 MHz

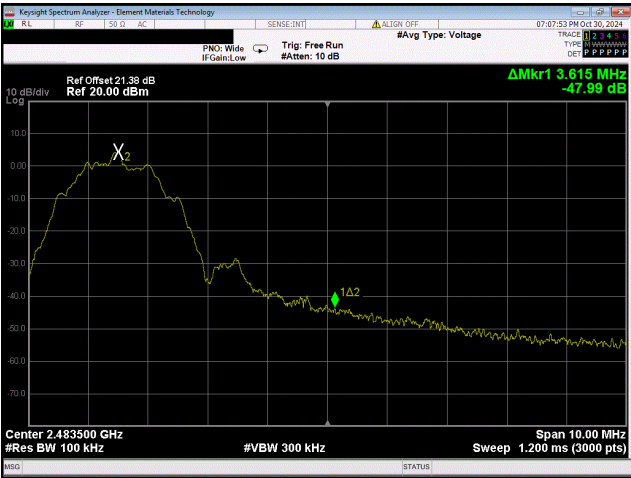


BLE/GFSK 1 Mbps
High Channel, 2480 MHz

BAND EDGE COMPLIANCE



BLE/GFSK 2 Mbps
Low Channel, 2402 MHz



BLE/GFSK 2 Mbps
High Channel, 2480 MHz

SPURIOUS CONDUCTED EMISSIONS

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the fundamental was measured with a 100 kHz resolution bandwidth and the highest value was recorded. The rest of the spectrum was then measured with a 100 kHz resolution bandwidth and the highest value was found. The difference between the value found on the fundamental and the rest of the spectrum was compared against the limit to determine compliance.

The reference level offset for the fundamental screen capture was based on a measured value of the loss between the spectrum analyzer and the EUT which was verified at the time of test. The remaining screen capture(s) use an internal transducer factor on the analyzer to correct the displayed trace based on the cable loss over frequency. The reference level offset for the additional screen capture(s) is then based on the expected attenuator value and any other losses.

Fundamental Offset = Ref Lvl Offset showing measured composite factor of all losses

Remaining Screen capture(s) Offset = "Internal" cable loss factor not shown on screen capture + Ref Lvl Offset showing expected attenuator value and any other losses

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2024-05-22	2025-05-22
Generator - Signal	Keysight	N5171B (EXG)	TEY	2024-01-11	2027-01-11
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2024-08-28	2025-08-28
Block - DC	Fairview Microwave	SD3379	ANH	2024-08-28	2025-08-28
Attenuator	S.M. Electronics	SA26B-20	RFW	2024-01-31	2025-01-31

SPURIOUS CONDUCTED EMISSIONS

EUT:	VLY-600	Work Order:	F3EN0214
Serial Number:	SLVMV04X24354058	Date:	2024-10-30
Customer:	Verily Life Sciences	Temperature:	22.1°C
Attendees:	Franz Sherman	Relative Humidity:	44.4%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	F3EN0214-3

TEST SPECIFICATIONS

Specification:	Method:
FCC 15.247:2024	ANSI C63.10:2013
RSS-247 Issue 3:2023	ANSI C63.10:2013

COMMENTS

PRBS9.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



Tested By

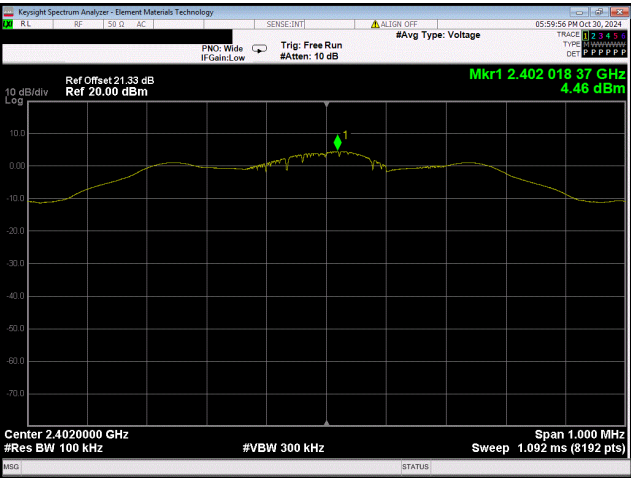
TEST RESULTS

	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
BLE/GFSK 125 kbps					
Low Channel, 2402 MHz	Fundamental	2402.02	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12047.85	-53.43	-20	Pass
	12.5 GHz - 25 GHz	24917.59	-40.95	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2442.02	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12210.74	-52.8	-20	Pass
	12.5 GHz - 25 GHz	24824.5	-40.92	-20	Pass
High Channel, 2480 MHz	Fundamental	2480.02	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12399.52	-52.88	-20	Pass
	12.5 GHz - 25 GHz	24862.65	-40.6	-20	Pass
BLE/GFSK 500 kbps					
Low Channel, 2402 MHz	Fundamental	2401.74	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12009.79	-51.75	-20	Pass
	12.5 GHz - 25 GHz	24920.64	-42.2	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2441.74	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12209.22	-50.77	-20	Pass
	12.5 GHz - 25 GHz	24877.91	-40.84	-20	Pass
High Channel, 2480 MHz	Fundamental	2479.74	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12084.38	-53.32	-20	Pass
	12.5 GHz - 25 GHz	24998.47	-41.65	-20	Pass
BLE/GFSK 1 Mbps					
Low Channel, 2402 MHz	Fundamental	2402	N/A	N/A	N/A
	30 MHz - 12.5 GHz	11782.95	-53.6	-20	Pass
	12.5 GHz - 25 GHz	24862.65	-41.43	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2442	N/A	N/A	N/A
	30 MHz - 12.5 GHz	12209.22	-53.23	-20	Pass

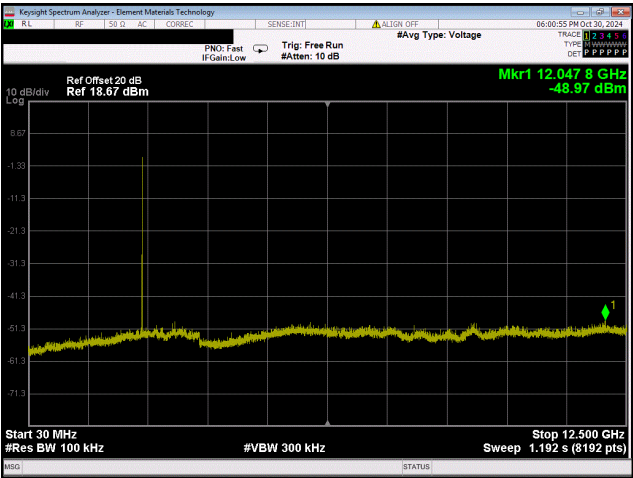
SPURIOUS CONDUCTED EMISSIONS

	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit $\leq$ (dBc)	Result
High Channel, 2480 MHz	12.5 GHz - 25 GHz	24693.26	-41.7	-20	Pass
	Fundamental	2480	N/A	N/A	N/A
	30 MHz - 12.5 GHz	11189.21	-53.51	-20	Pass
	12.5 GHz - 25 GHz	24841.29	-40.77	-20	Pass
BLE/GFSK 2 Mbps					
Low Channel, 2402 MHz	Fundamental	2401.95	N/A	N/A	N/A
	30 MHz - 12.5 GHz	2397.34	-50.28	-20	Pass
	12.5 GHz - 25 GHz	24960.32	-41.51	-20	Pass
Mid Channel, 2442 MHz	Fundamental	2441.94	N/A	N/A	N/A
	30 MHz - 12.5 GHz	5486.29	-53.04	-20	Pass
	12.5 GHz - 25 GHz	24909.96	-40.9	-20	Pass
High Channel, 2480 MHz	Fundamental	2479.95	N/A	N/A	N/A
	30 MHz - 12.5 GHz	7565.89	-53.47	-20	Pass
	12.5 GHz - 25 GHz	24844.34	-41.21	-20	Pass

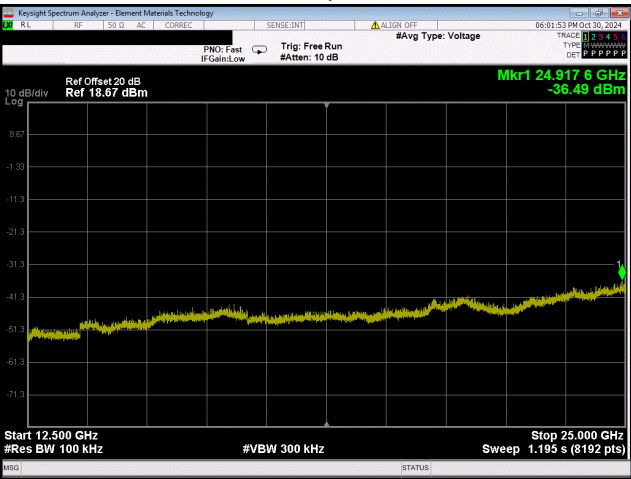
SPURIOUS CONDUCTED EMISSIONS



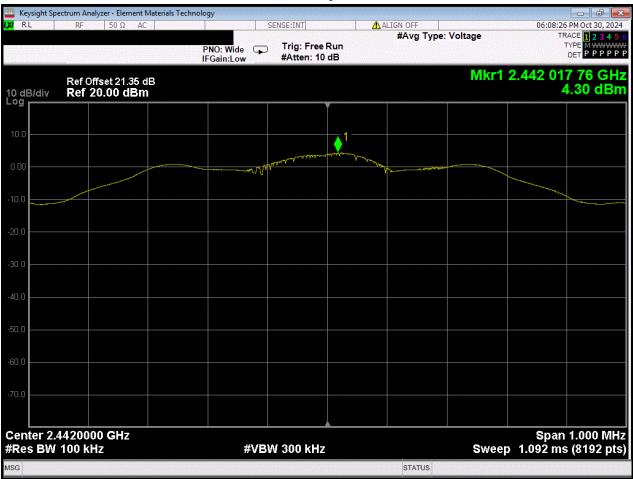
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



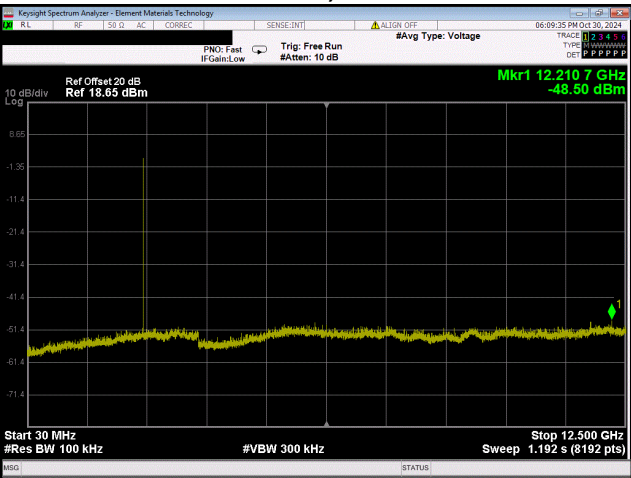
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



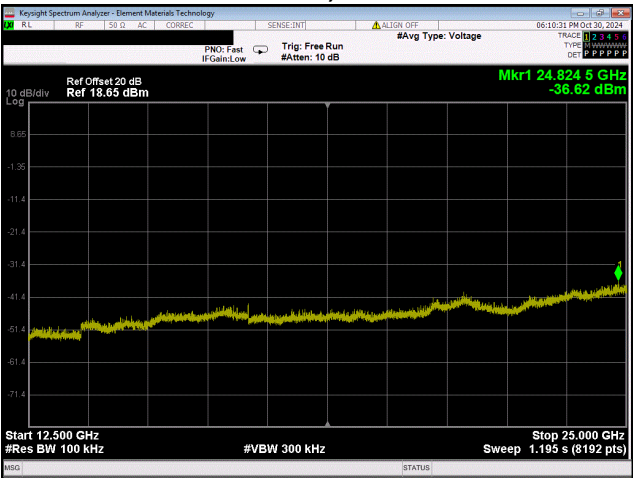
BLE/GFSK 125 kbps
Low Channel, 2402 MHz



BLE/GFSK 125 kbps
Mid Channel, 2442 MHz

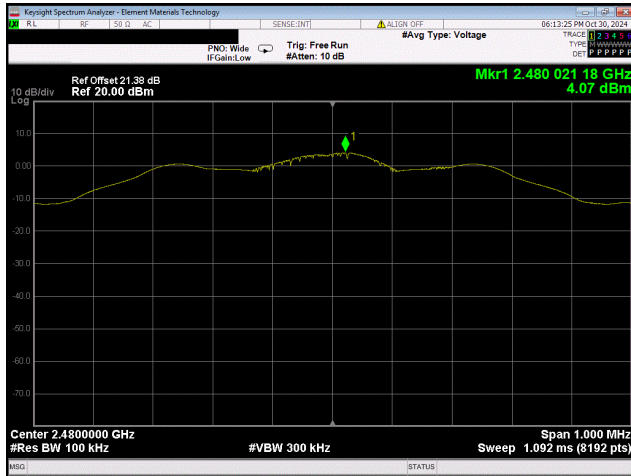


BLE/GFSK 125 kbps
Mid Channel, 2442 MHz

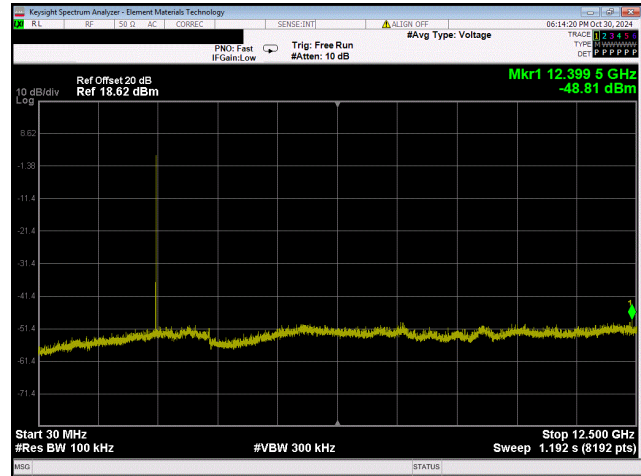


BLE/GFSK 125 kbps
Mid Channel, 2442 MHz

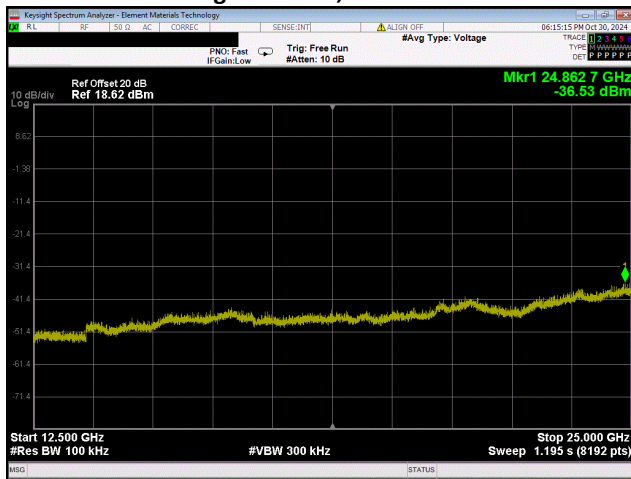
SPURIOUS CONDUCTED EMISSIONS



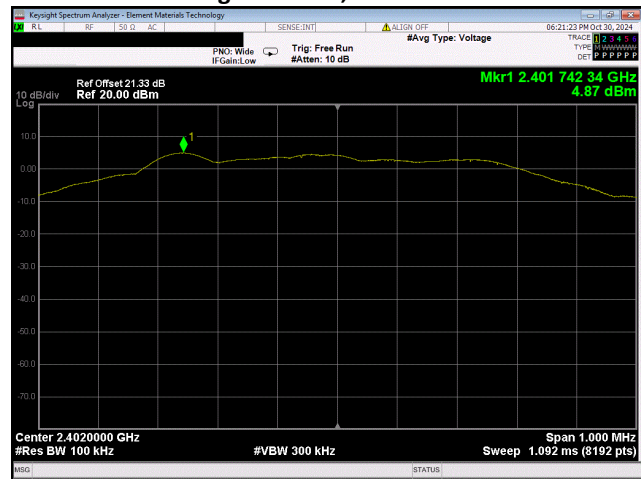
BLE/GFSK 125 kbps
High Channel, 2480 MHz



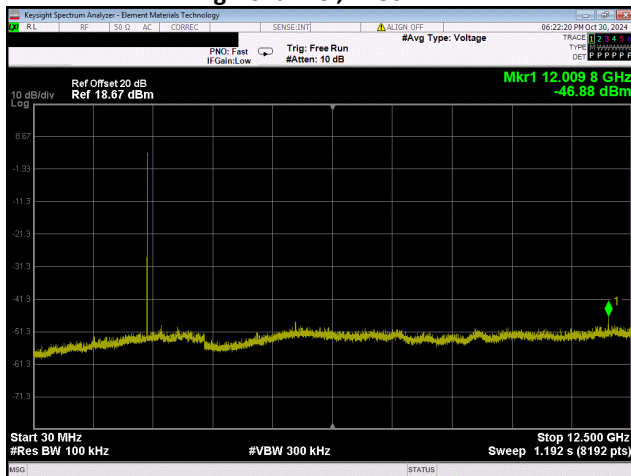
BLE/GFSK 125 kbps
High Channel, 2480 MHz



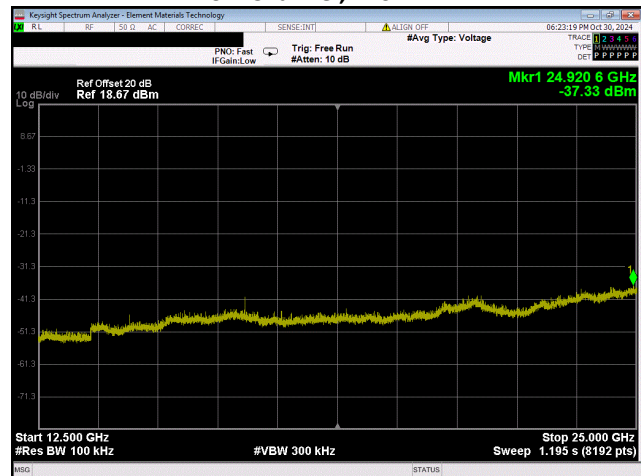
BLE/GFSK 125 kbps
High Channel, 2480 MHz



BLE/GFSK 500 kbps
Low Channel, 2402 MHz

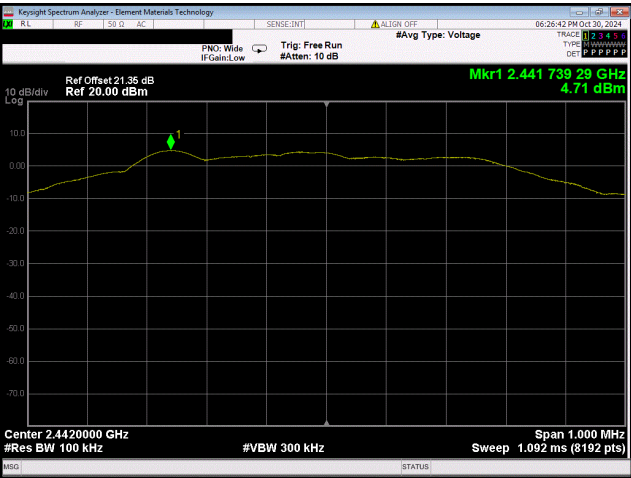


BLE/GFSK 500 kbps
Low Channel, 2402 MHz

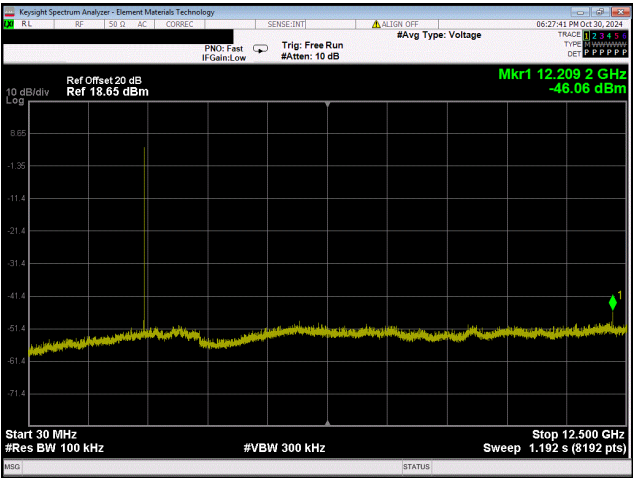


BLE/GFSK 500 kbps
Low Channel, 2402 MHz

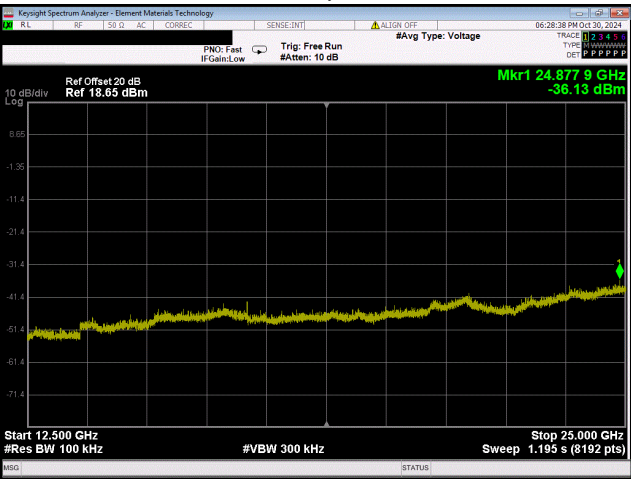
SPURIOUS CONDUCTED EMISSIONS



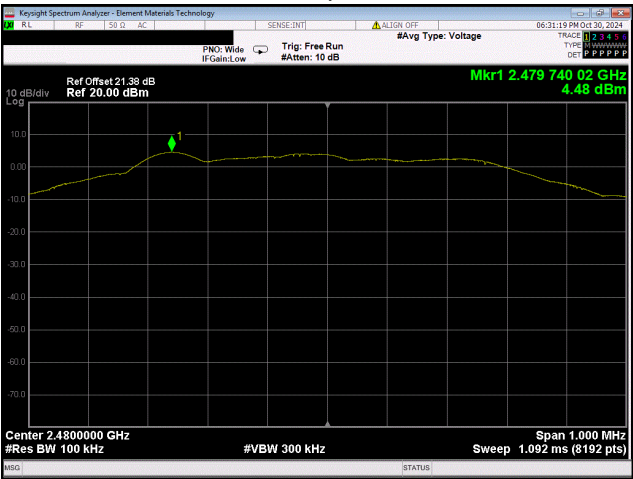
BLE/GFSK 500 kbps
Mid Channel, 2442 MHz



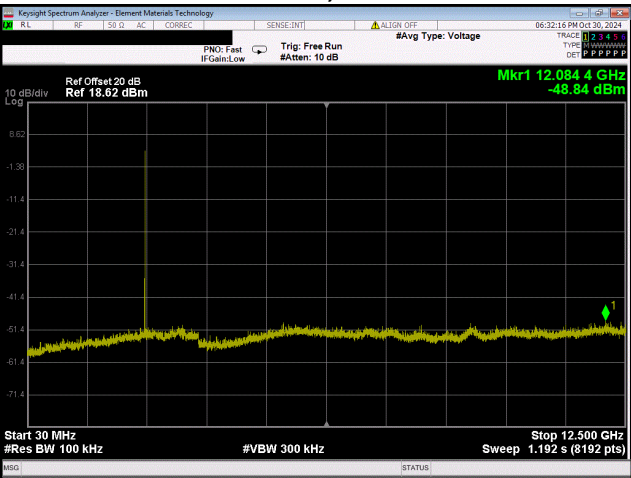
BLE/GFSK 500 kbps
Mid Channel, 2442 MHz



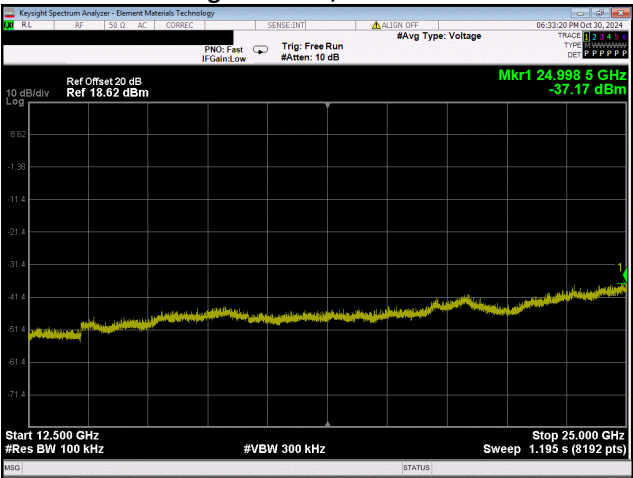
BLE/GFSK 500 kbps
Mid Channel, 2442 MHz



BLE/GFSK 500 kbps
High Channel, 2480 MHz

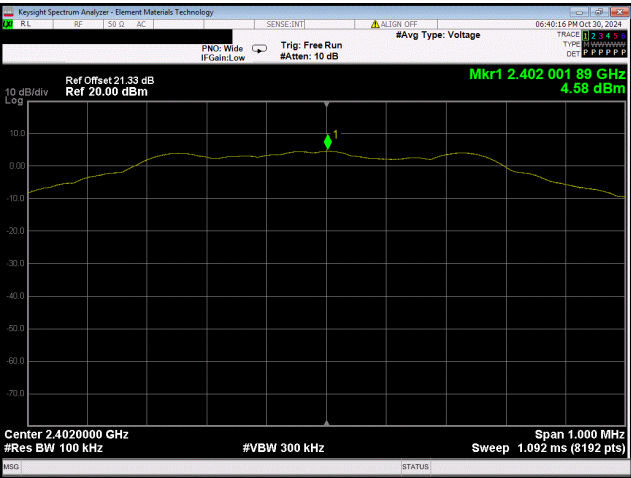


BLE/GFSK 500 kbps
High Channel, 2480 MHz

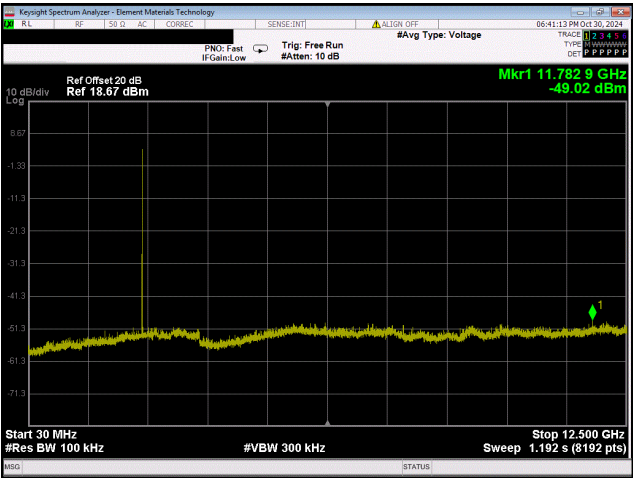


BLE/GFSK 500 kbps
High Channel, 2480 MHz

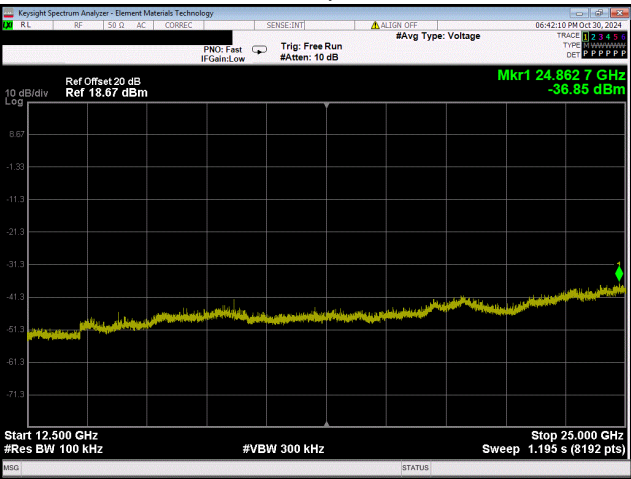
SPURIOUS CONDUCTED EMISSIONS



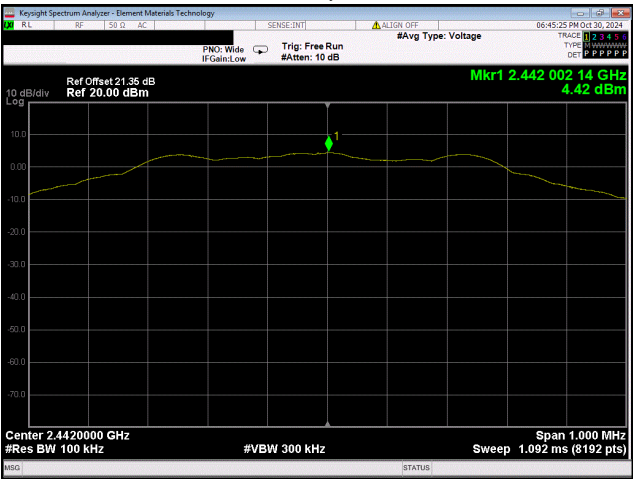
BLE/GFSK 1 Mbps
Low Channel, 2402 MHz



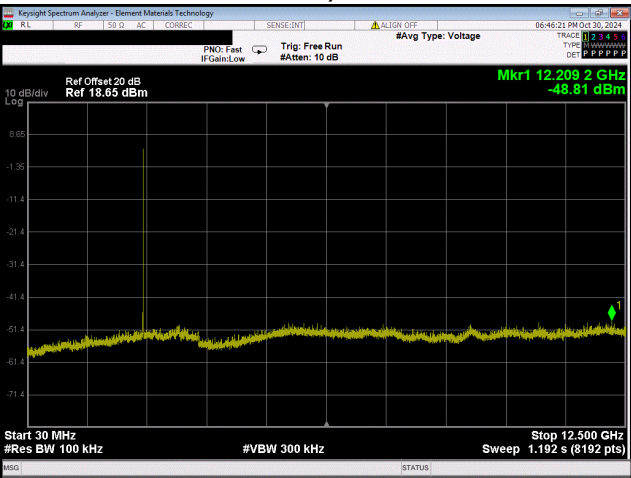
BLE/GFSK 1 Mbps
Low Channel, 2402 MHz



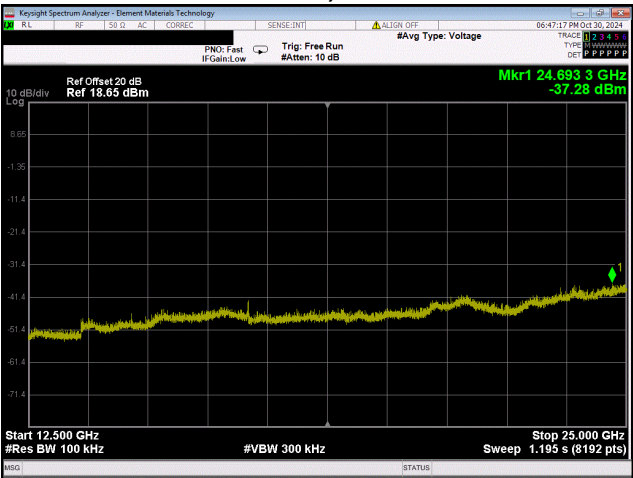
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Low Channel, 2402 MHz



BLE/GFSK 1 Mbps
Mid Channel, 2442 MHz

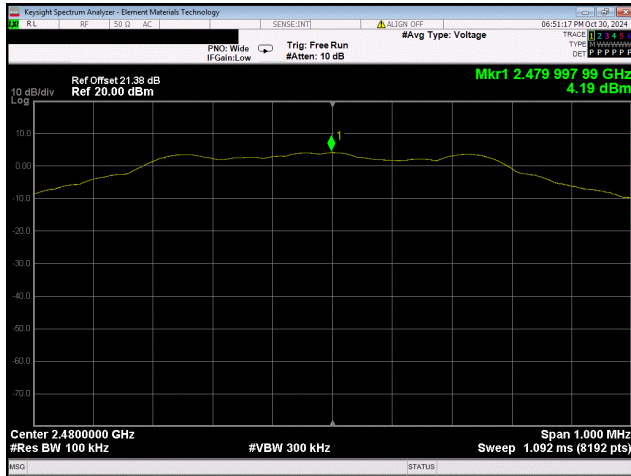


BLE/GFSK 1 Mbps
Mid Channel, 2442 MHz

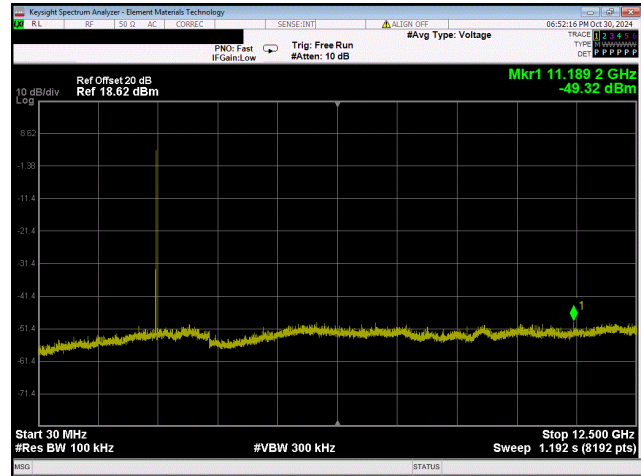


BLE/GFSK 1 Mbps
Mid Channel, 2442 MHz

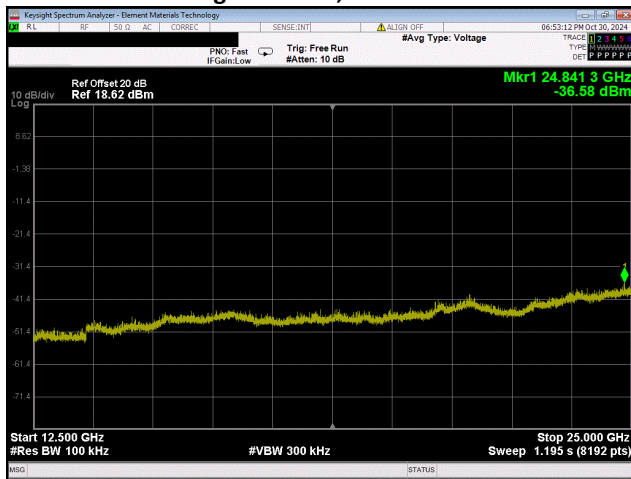
SPURIOUS CONDUCTED EMISSIONS



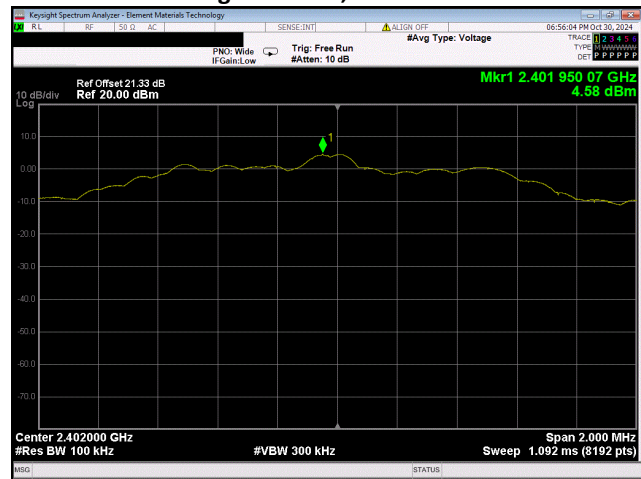
BLE/GFSK 1 Mbps
High Channel, 2480 MHz



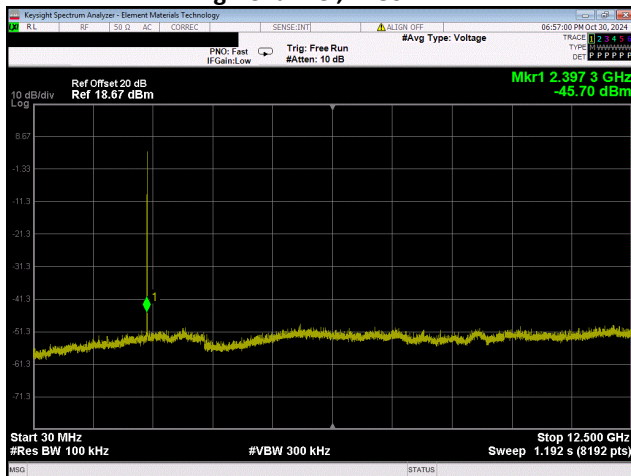
BLE/GFSK 1 Mbps
High Channel, 2480 MHz



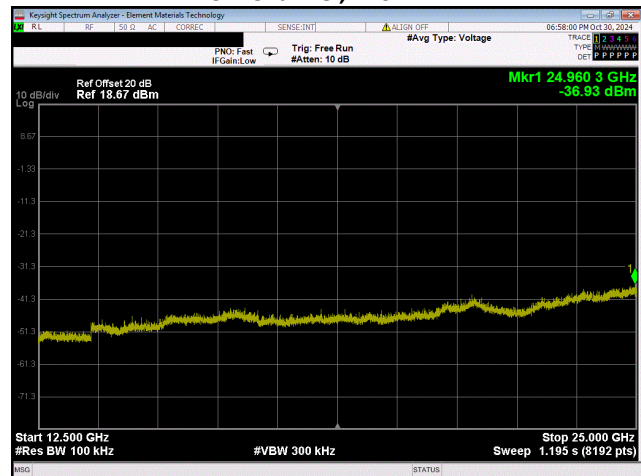
BLE/GFSK 1 Mbps
High Channel, 2480 MHz



BLE/GFSK 2 Mbps
Low Channel, 2402 MHz

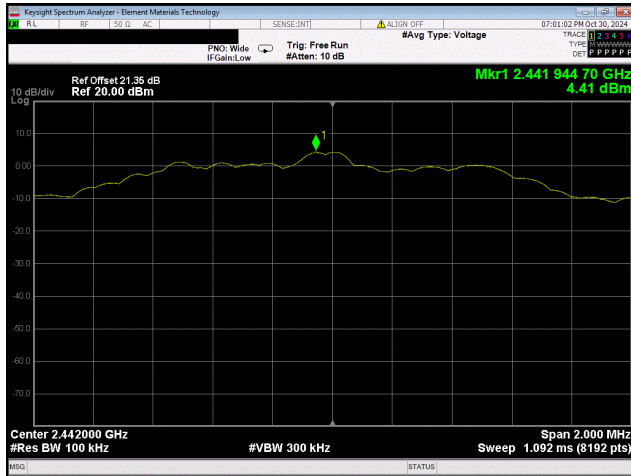


BLE/GFSK 2 Mbps
Low Channel, 2402 MHz

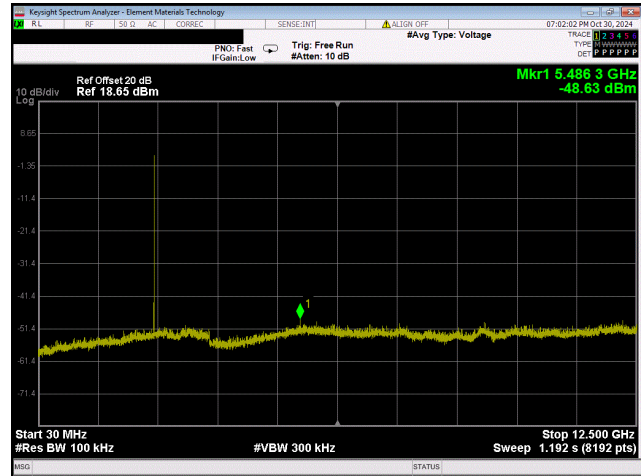


BLE/GFSK 2 Mbps
Low Channel, 2402 MHz

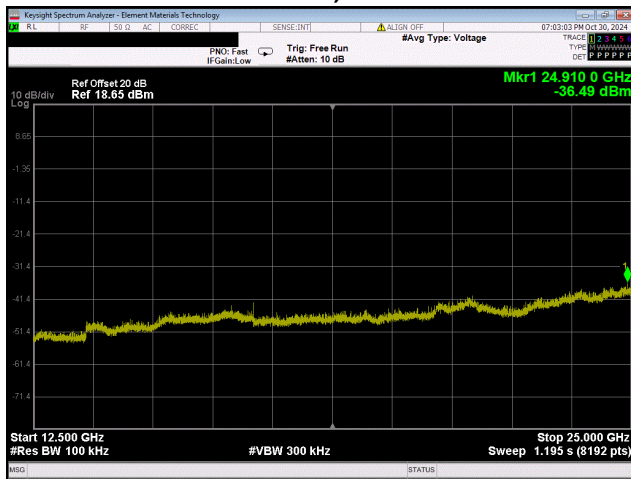
SPURIOUS CONDUCTED EMISSIONS



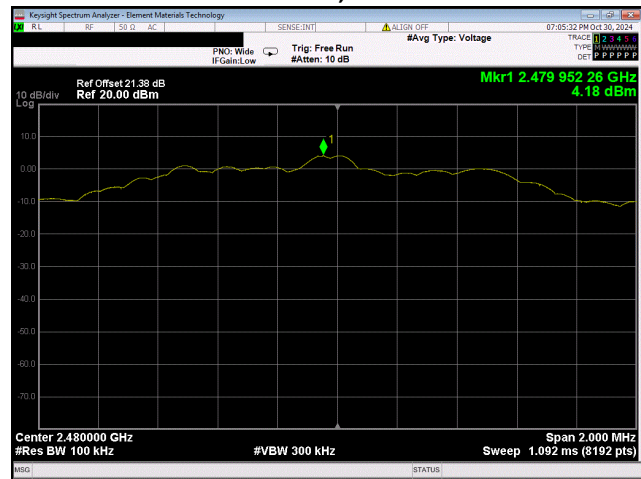
BLE/GFSK 2 Mbps
Mid Channel, 2442 MHz



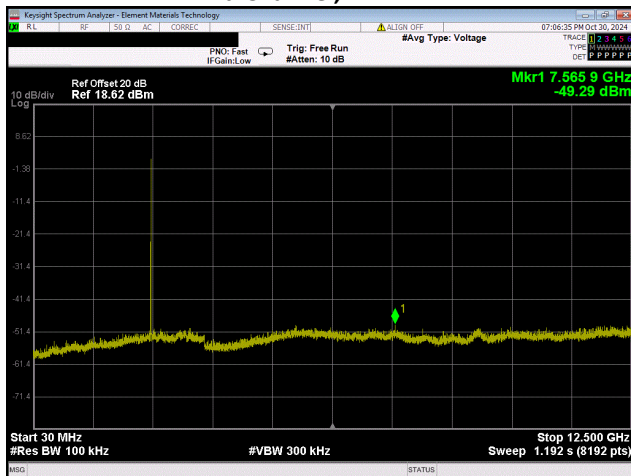
BLE/GFSK 2 Mbps
Mid Channel, 2442 MHz



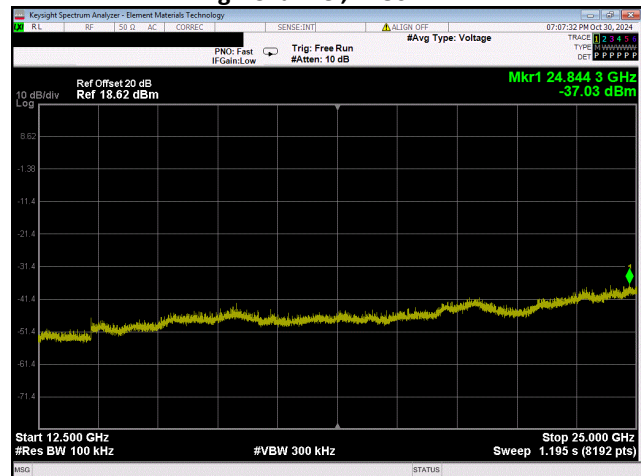
BLE/GFSK 2 Mbps
Mid Channel, 2442 MHz



BLE/GFSK 2 Mbps
High Channel, 2480 MHz



BLE/GFSK 2 Mbps
High Channel, 2480 MHz



BLE/GFSK 2 Mbps
High Channel, 2480 MHz

SPURIOUS RADIATED EMISSIONS

TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. A reference preview scan (pre-scan) is included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector
PK = Peak Detector
AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of $10 \cdot \log(1/dc)$.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	2024-03-13	2025-03-13
Antenna - Standard Gain	ETS Lindgren	3160-07	AXP	NCR	NCR
Cable	ESM Cable Corp.	Standard Gain Horn Cables	MNJ	2024-11-26	2025-11-26
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVV	2024-01-08	2025-01-08
Antenna - Standard Gain	ETS Lindgren	3160-07	AXP	NCR	NCR
Cable	ESM Cable Corp.	Standard Gain Horn Cables	MNJ	2024-01-28	2025-01-28
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVV	2024-01-08	2025-01-08
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	2024-03-13	2025-03-13
Antenna - Standard Gain	ETS Lindgren	3160-08	AIQ	NCR	NCR
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AVW	2024-01-08	2025-01-08
Antenna - Double Ridge	ETS Lindgren	3115	AIP	2024-08-02	2026-08-02
Cable	ESM Cable Corp.	Double Ridge Guide Horn Cables	MNI	2024-01-08	2025-01-08
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVT	2024-01-08	2025-01-08
Attenuator	Fairview Microwave	SA18H-20	VAF	2024-08-25	2025-08-25
Filter - High Pass	Micro-Tronics	HPM50111	LFN	2024-08-25	2025-08-25

SPURIOUS RADIATED EMISSIONS



FREQUENCY RANGE INVESTIGATED

1 GHz TO 18 GHz

POWER INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

F3EN0214-1

MODES INVESTIGATED

Transmitting BLE Low, Mid and High Chs (2402, 2442 and 2480 MHz) 1Mbps pseudo-random modulated
Transmitting BLE Low and High Chs (2402 and 2480 MHz) 1Mbps pseudo-random modulated

SPURIOUS RADIATED EMISSIONS



EUT:	VLV- 600	Work Order:	F3EN0214
Serial Number:	SLVMV04X24354075	Date:	2024-12-17
Customer:	Verily Life Sciences	Temperature:	22.6°C
Attendees:	Franz Sherman	Relative Humidity:	25.5%
Customer Project:	None	Bar. Pressure (PMSL):	1024 mb
Tested By:	Marcelo Aguayo	Job Site:	MN05
Power:	110VAC/60Hz	Configuration:	F3EN0214-1

TEST PARAMETERS

Run #:	149	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

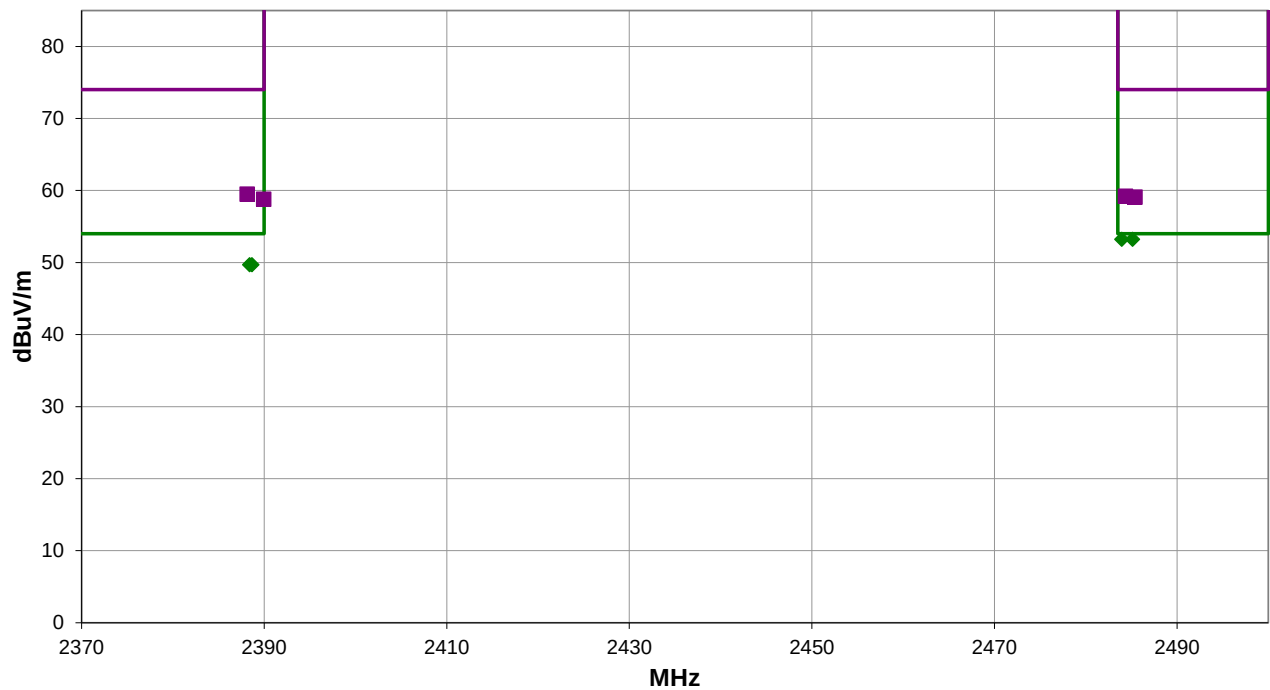
Power 6dBm. Test mode operates at 63% duty cycle (1 Mbps) and 33% (2Mbps) upward DCCF correction applied based on $10 \cdot \log(1/\text{Duty cycle}) = 2.1\text{dB}$ (1 Mbps) and 4.8dB (2 Mbps). Other data rates and frequency ranges were considered and the worst cases were tested. Duty cycle mode for spurious was verified to be different from other testing in this report.

EUT OPERATING MODES

Transmitting BLE Low and High Chs (2402 and 2480 MHz) 1Mbps pseudo-random modulated

DEVIATIONS FROM TEST STANDARD

None



Run #: 149

■ PK ◆ AV ● QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #149

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2485.140	31.9	-3.5	1.5	303.0	5.0	20.0	Horz	AV	0.0	53.4	54.0	-0.6	EUT On Side, High Ch 2Mbps
2483.960	31.9	-3.5	1.5	23.9	5.0	20.0	Vert	AV	0.0	53.4	54.0	-0.6	EUT On Side, High Ch 2Mbps
2388.667	31.8	-4.2	1.8	70.0	2.1	20.0	Horz	AV	0.0	49.7	54.0	-4.3	EUT On Side, Low Ch 1Mbps
2388.407	31.8	-4.2	1.2	77.9	2.1	20.0	Vert	AV	0.0	49.7	54.0	-4.3	EUT On Side, Low Ch 1Mbps
2388.133	43.7	-4.2	1.8	70.0	0.0	20.0	Horz	PK	0.0	59.5	74.0	-14.5	EUT On Side, Low Ch 1Mbps
2484.353	42.7	-3.5	1.5	303.0	0.0	20.0	Horz	PK	0.0	59.2	74.0	-14.8	EUT On Side, High Ch 2Mbps
2485.403	42.6	-3.5	1.5	23.9	0.0	20.0	Vert	PK	0.0	59.1	74.0	-14.9	EUT On Side, High Ch 2Mbps
2389.947	43.0	-4.2	1.2	77.9	0.0	20.0	Vert	PK	0.0	58.8	74.0	-15.2	EUT On Side, Low Ch 1Mbps

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS



EUT:	VLV-600	Work Order:	F3EN0214
Serial Number:	SLVMV04X24354075	Date:	2024-12-17
Customer:	Verily Life Sciences	Temperature:	22.6°C
Attendees:	Franz Sherman	Relative Humidity:	25.5%
Customer Project:	None	Bar. Pressure (PMSL):	1024 mb
Tested By:	Marcelo Aguayo	Job Site:	MN05
Power:	110VAC/60Hz	Configuration:	F3EN0214-1

TEST PARAMETERS

Run #:	145	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

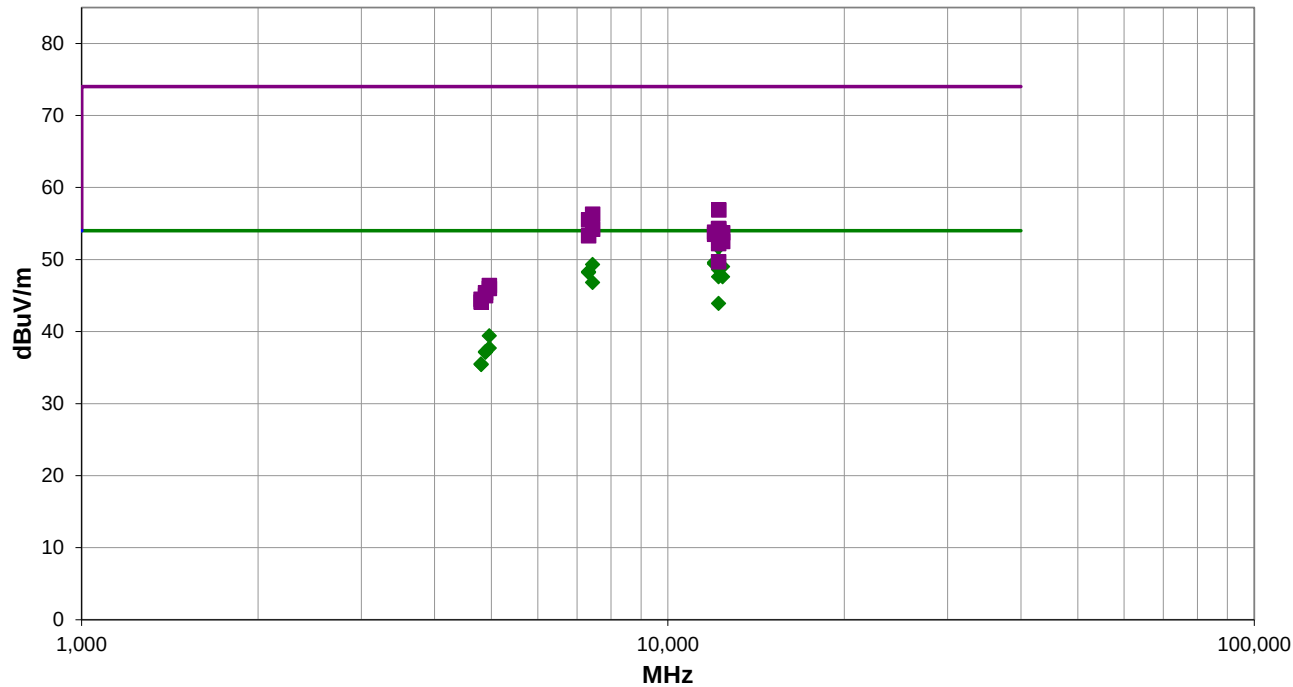
Power 6dBm. Test mode operates at 63% duty cycle (1 Mbps) and 33% (2Mbps) upward DCCF correction applied based on $10 \cdot \log(1/\text{Duty cycle}) = 2.1\text{dB}$ (1 Mbps) and 4.8dB (2 Mbps). Other data rates and frequency ranges were considered and the worst cases were tested. Duty cycle mode for spurious was verified to be different from other testing in this report.

EUT OPERATING MODES

Transmitting BLE Low, Mid and High Chs (2402, 2442 and 2480 MHz) 1Mbps pseudo-random modulated

DEVIATIONS FROM TEST STANDARD

None



Run #: 145

■ PK ◆ AV ● QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #145

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
12208.860	50.4	-0.8	2.4	95.0	2.1	0.0	Vert	AV	0.0	51.7	54.0	-2.3	EUT On Side, Mid Ch 1Mbps
12208.920	48.7	-0.8	3.2	145.9	2.1	0.0	Horz	AV	0.0	50.0	54.0	-4.0	EUT On Side, Mid Ch 1Mbps
12008.960	49.9	-2.4	1.4	94.0	2.1	0.0	Vert	AV	0.0	49.6	54.0	-4.4	EUT On Side, Low Ch 1Mbps
12207.620	45.4	-0.9	3.9	289.9	5.0	0.0	Horz	AV	0.0	49.5	54.0	-4.5	EUT On Side, Mid Ch 2Mbps
12008.960	49.7	-2.4	1.0	19.0	2.1	0.0	Horz	AV	0.0	49.4	54.0	-4.6	EUT On Side, Low Ch 1Mbps
7439.483	33.6	13.6	2.4	131.9	2.1	0.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT On Side, High Ch 1Mbps
12208.850	47.9	-0.8	1.9	59.0	2.1	0.0	Vert	AV	0.0	49.2	54.0	-4.8	EUT Vert, High Ch 1Mbps
12208.880	47.7	-0.8	2.6	13.9	2.1	0.0	Horz	AV	0.0	49.0	54.0	-5.0	EUT Horz, Mid Ch 1Mbps
12398.930	47.1	-0.2	1.3	92.9	2.1	0.0	Vert	AV	0.0	49.0	54.0	-5.0	EUT On Side, High Ch 1Mbps
12207.580	44.7	-0.9	1.3	92.9	5.0	0.0	Vert	AV	0.0	48.8	54.0	-5.2	EUT On Side, Mid Ch 2Mbps
7325.433	33.1	13.1	1.2	278.0	2.1	0.0	Vert	AV	0.0	48.3	54.0	-5.7	EUT On Side, Mid Ch 1Mbps
7325.550	33.0	13.1	3.8	105.0	2.1	0.0	Horz	AV	0.0	48.2	54.0	-5.8	EUT On Side, Mid Ch 1Mbps
12208.950	46.3	-0.8	1.1	260.0	2.1	0.0	Vert	AV	0.0	47.6	54.0	-6.4	EUT Horz, Mid Ch 1Mbps
12398.850	45.7	-0.2	2.6	318.0	2.1	0.0	Horz	AV	0.0	47.6	54.0	-6.4	EUT On Side, High Ch 1Mbps
7439.508	31.1	13.6	1.5	153.0	2.1	0.0	Vert	AV	0.0	46.8	54.0	-7.2	EUT On Side, High Ch 1Mbps
12208.890	42.6	-0.8	1.0	256.0	2.1	0.0	Horz	AV	0.0	43.9	54.0	-10.1	EUT Vert, High Ch 1Mbps
4959.933	31.9	5.4	3.0	203.0	2.1	0.0	Horz	AV	0.0	39.4	54.0	-14.6	EUT On Side, High Ch 1Mbps
4959.942	30.2	5.4	1.5	271.0	2.1	0.0	Vert	AV	0.0	37.7	54.0	-16.3	EUT On Side, High Ch 1Mbps
4884.475	30.2	4.9	1.5	281.0	2.1	0.0	Horz	AV	0.0	37.2	54.0	-16.8	EUT On Side, Mid Ch 1Mbps
4884.375	30.1	4.9	1.5	127.0	2.1	0.0	Vert	AV	0.0	37.1	54.0	-16.9	EUT On Side, Mid Ch 1Mbps
12210.080	57.7	-0.8	2.3	66.0	0.0	0.0	Horz	PK	0.0	56.9	74.0	-17.1	EUT On Side, Mid Ch 1Mbps
7440.158	42.7	13.6	2.4	131.9	0.0	0.0	Horz	PK	0.0	56.3	74.0	-17.7	EUT On Side, High Ch 1Mbps
7326.275	42.4	13.1	1.2	278.0	0.0	0.0	Vert	PK	0.0	55.5	74.0	-18.5	EUT On Side, Mid Ch 1Mbps
4801.592	29.1	4.3	2.7	16.0	2.1	0.0	Vert	AV	0.0	35.5	54.0	-18.5	EUT On Side, Low Ch 1Mbps
4803.725	29.0	4.3	1.5	72.0	2.1	0.0	Horz	AV	0.0	35.4	54.0	-18.6	EUT On Side, Low Ch 1Mbps
12208.670	55.1	-0.8	3.2	145.9	0.0	0.0	Horz	PK	0.0	54.3	74.0	-19.7	EUT Horz, Mid Ch 1Mbps
12207.530	55.2	-0.9	3.9	289.9	0.0	0.0	Horz	PK	0.0	54.3	74.0	-19.7	EUT On Side, Mid Ch 2Mbps
7440.358	40.6	13.6	1.5	153.0	0.0	0.0	Vert	PK	0.0	54.2	74.0	-19.8	EUT On Side, High Ch 1Mbps
12207.570	54.8	-0.9	1.3	92.9	0.0	0.0	Vert	PK	0.0	53.9	74.0	-20.1	EUT On Side, Mid Ch 2Mbps
12011.130	56.2	-2.4	1.4	94.0	0.0	0.0	Vert	PK	0.0	53.8	74.0	-20.2	EUT On Side, Low Ch 1Mbps
12399.880	53.9	-0.2	1.3	92.9	0.0	0.0	Vert	PK	0.0	53.7	74.0	-20.3	EUT On Side, High Ch 1Mbps
12209.790	54.3	-0.8	3.4	101.0	0.0	0.0	Vert	PK	0.0	53.5	74.0	-20.5	EUT On Side, Mid Ch 1Mbps
12008.650	55.9	-2.4	1.0	19.0	0.0	0.0	Horz	PK	0.0	53.5	74.0	-20.5	EUT On Side, Low Ch 1Mbps
12211.080	54.2	-0.8	1.9	59.0	0.0	0.0	Vert	PK	0.0	53.4	74.0	-20.6	EUT Vert, High Ch 1Mbps
7325.667	40.2	13.1	1.5	84.9	0.0	0.0	Horz	PK	0.0	53.3	74.0	-20.7	EUT On Side, Mid Ch 1Mbps
12398.880	52.7	-0.2	2.6	318.0	0.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	EUT On Side, High Ch 1Mbps
12208.760	53.0	-0.8	1.1	260.0	0.0	0.0	Vert	PK	0.0	52.2	74.0	-21.8	EUT Horz, Mid Ch 1Mbps
12208.460	50.5	-0.8	1.0	256.0	0.0	0.0	Horz	PK	0.0	49.7	74.0	-24.3	EUT Vert, High Ch 1Mbps
4960.775	41.0	5.4	3.0	203.0	0.0	0.0	Horz	PK	0.0	46.4	74.0	-27.6	EUT On Side, High Ch 1Mbps
4960.325	40.6	5.4	1.5	271.0	0.0	0.0	Vert	PK	0.0	46.0	74.0	-28.0	EUT On Side, High Ch 1Mbps

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4886.392	40.5	4.9	1.5	335.0	0.0	0.0	Horz	PK	0.0	45.4	74.0	-28.6	EUT On Side, Mid Ch 1Mbps
4884.192	40.1	4.9	1.5	217.0	0.0	0.0	Vert	PK	0.0	45.0	74.0	-29.0	EUT On Side, Mid Ch 1Mbps
4802.992	40.2	4.3	1.5	72.0	0.0	0.0	Horz	PK	0.0	44.5	74.0	-29.5	EUT On Side, Low Ch 1Mbps
4801.767	39.8	4.3	2.7	16.0	0.0	0.0	Vert	PK	0.0	44.1	74.0	-29.9	EUT On Side, Low Ch 1Mbps

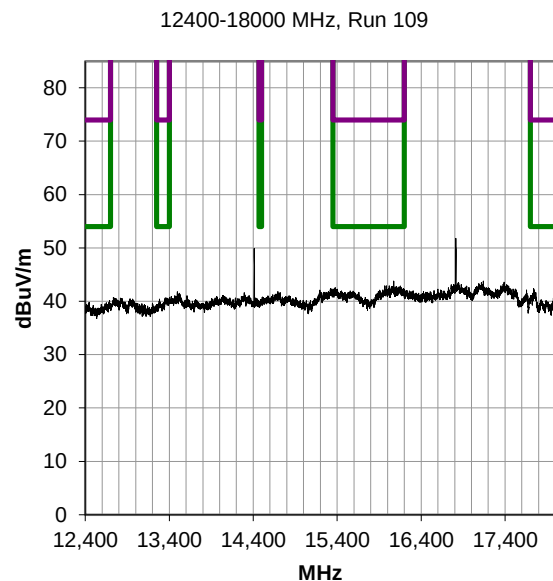
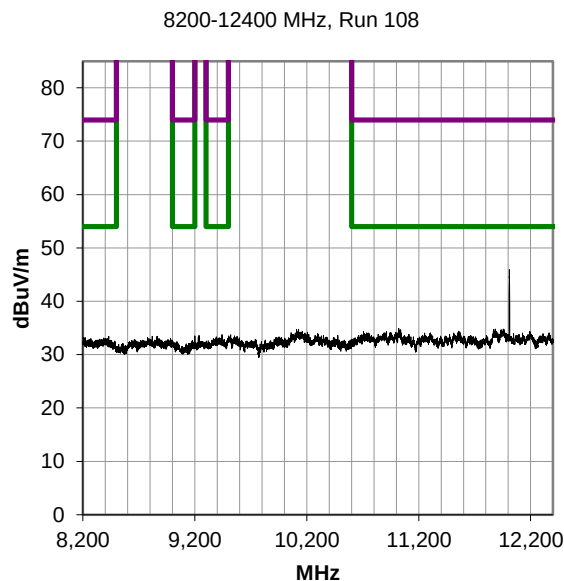
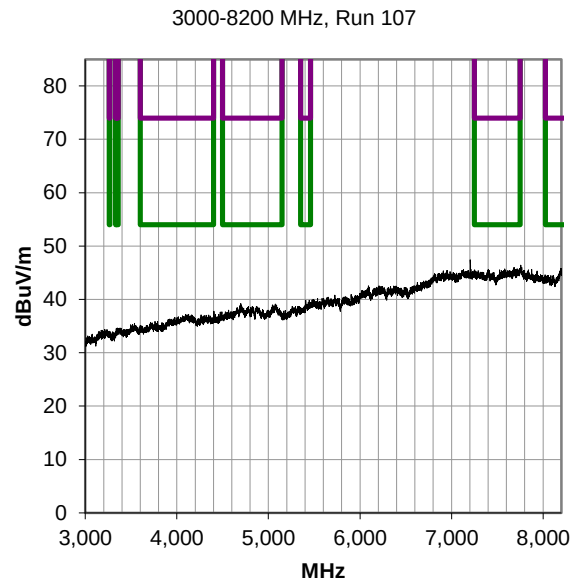
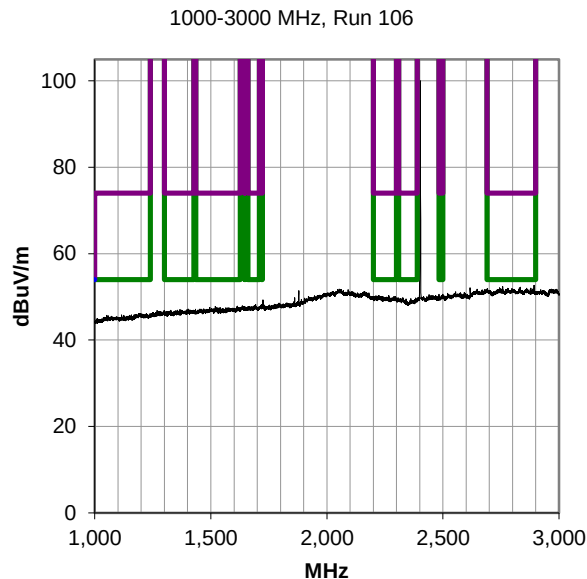
CONCLUSION
Pass


Tested By

SPURIOUS RADIATED EMISSIONS

PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.



End of Test Report