



Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5456.135	34.65	54.00	-19.35	RMS	157	394	Vertical
5456.362	34.62	54.00	-19.38	RMS	1	335	Horizontal
7635.385	38.63	54.00	-15.37	RMS	169	270	Horizontal
7637.248	38.57	54.00	-15.43	RMS	113	213	Vertical

Table 190 - 6186 MHz, HDRPL16, iPA, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

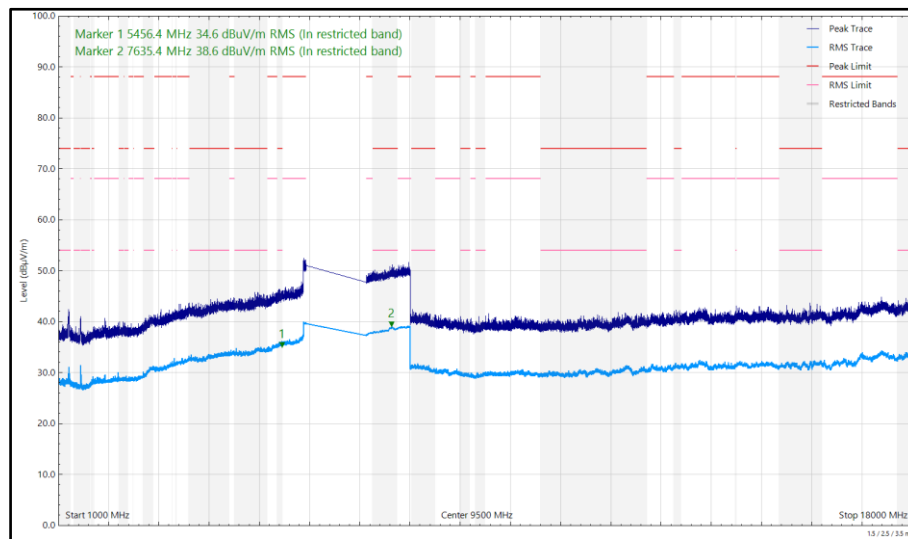


Figure 388 - 6186 MHz, HDRPL16, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

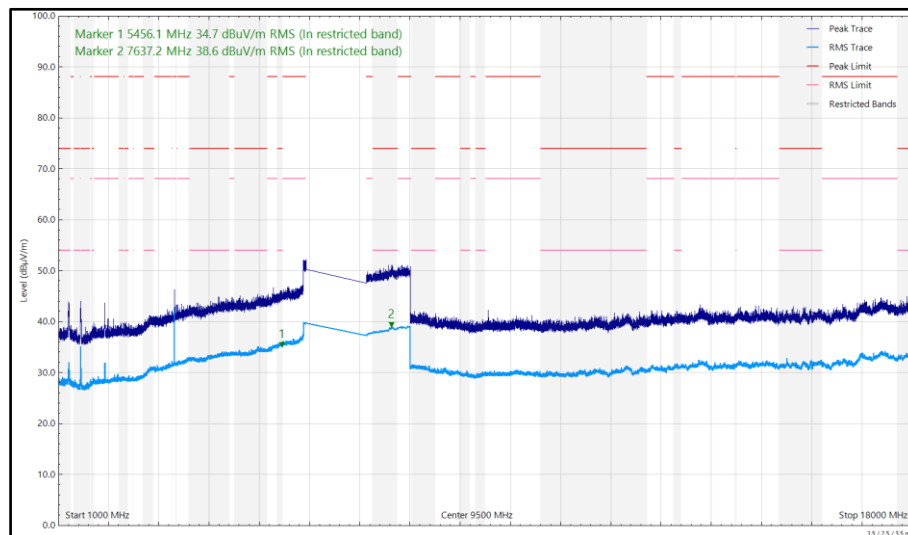


Figure 389 - 6186 MHz, HDRPL16, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5385.894	34.52	54.00	-19.48	RMS	58	342	Horizontal
5386.575	36.71	54.00	-17.29	RMS	358	328	Vertical
7633.785	38.74	54.00	-15.26	RMS	350	107	Vertical
7635.974	38.68	54.00	-15.32	RMS	67	336	Horizontal

Table 191 - 6186 MHz, HDRPL16, ePA, Core 0 + Core 1, 1 to 18 GHz

No other emissions found within 20 dB of the limit.

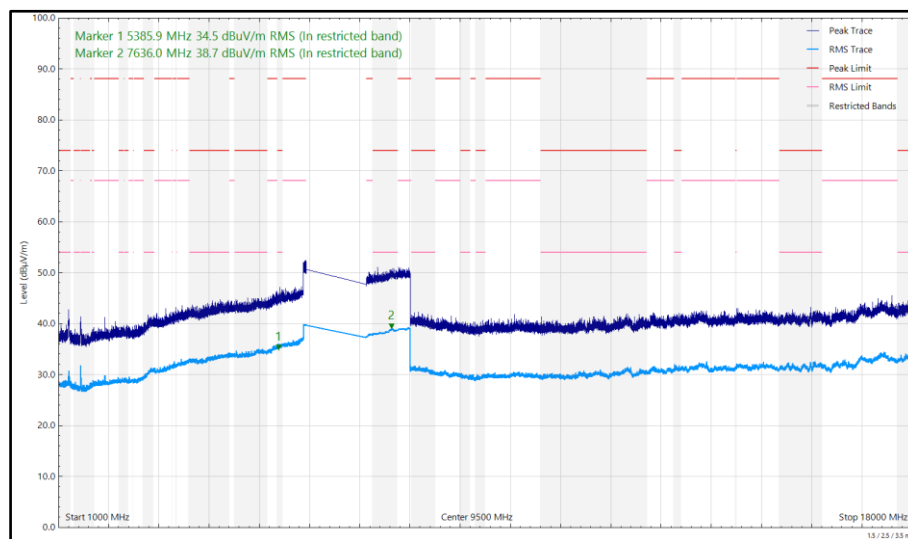


Figure 390 - 6186 MHz, HDRPL16, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

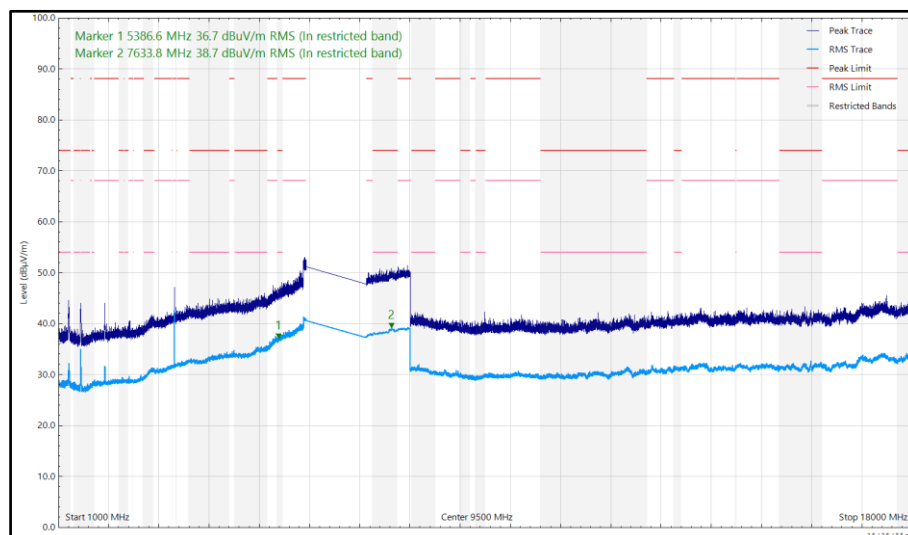


Figure 391 - 6186 MHz, HDRPL16, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical



FCC 47 CFR Part 15, Limit Clause 15.407(5) and 15.209

Emissions not falling within the restricted bands listed in 15.205:

For transmitters operating within the 5.925–7.125 GHz band: Any emissions outside of the 5.925–7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in 15.209.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.205:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$) at 3m	Field Strength Limit ($\text{dB}\mu\text{V/m}$) at 3m
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 192 - Radiated Emissions Limit Table (FCC)

ISED RSS-248, Limit Clause 4.6.2 and ISED RSS-GEN, Limit Clause 8.9

Emissions not falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Any emissions outside of the 5925-7125 MHz band shall not exceed -27 dBm/MHz e.i.r.p.

Any emissions below 1000 MHz shall meet the general field strength limits specified in RSS-Gen

Emissions falling within the restricted bands listed in ISED RSS-GEN, Clause 8.10:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$) at 3m	Field Strength Limit ($\text{dB}\mu\text{V/m}$) at 3m
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 193 - Radiated Emissions Limit Table (ISED)



2.5.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14 and RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3	5125	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	04-Sep-2026
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	12	23-May-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	TU
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	23-Apr-2028
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5959	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	TU
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/A	6017	12	12-Sep-2026
Digital Multimeter	Fluke	115	6145	12	02-Jun-2027
Digital Multimeter	Fluke	115	6147	12	03-Jun-2027
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6187	24	03-Sep-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	23-Apr-2027
Attenuator 4dB	Pasternack	PE7074-4	6204	24	13-Mar-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	23-Apr-2027
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	23-Mar-2027
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	19-May-2027
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	18-May-2027
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	13-Mar-2027
Horn Antenna (1-10.5 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	21-Sep-2026
AC Power Supply	iTech	IT7324	6657	-	TU
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	07-May-2028
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	27-Apr-2027
2m Cable	Junkosha	MWX241-02000KMSKMS/B	6742	12	27-Apr-2027
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
Handheld Hygrometer	Fluke	971	6838	12	16-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6847	12	06-Nov-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6851	12	06-Nov-2026
Pre Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6985	12	23-Apr-2027

Table 194

TU - Traceability Unscheduled



2.6 Unwanted Emissions within the 5925-7125 MHz band

2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407
ISED RSS-248, Clause 4.6
ISED RSS-GEN, Clause 6.13

2.6.2 Equipment Under Test and Modification State

A3375, S/N: CH6Q14YF9N - Modification State 0
A3375, S/N: CX4D4WHY7Q - Modification State 0

2.6.3 Date of Test

19-September-2026 to 25-September-2026

2.6.4 Test Method

This test was performed in accordance with KDB 987594 D02, clause J.

2.6.5 Environmental Conditions

Ambient Temperature	21.5 - 23.0 °C
Relative Humidity	44.8 - 54.8 %

2.6.6 Test Results

Narrowband

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
iPA GFSK (DH5)	-13.11	6265.530
iPA $\pi/4$ DQPSK (8-DH5)	-8.87	6422.650
iPA GFSK (LE 2M)	-13.68	6104.925
iPA 16QAM (HDT6)	-19.92	6422.175
iPA 16QAM (HDRPM12)	-16.77	6271.100
iPA QPSK (HDRPM4)	-19.13	6420.400
iPA QPSK (HDRPL8)	-10.72	6102.600

Table 195 - Unwanted Emissions Within the RLAN Band Summary Results



Figure 392 - A(Core 0) 6266 MHz (CH90)

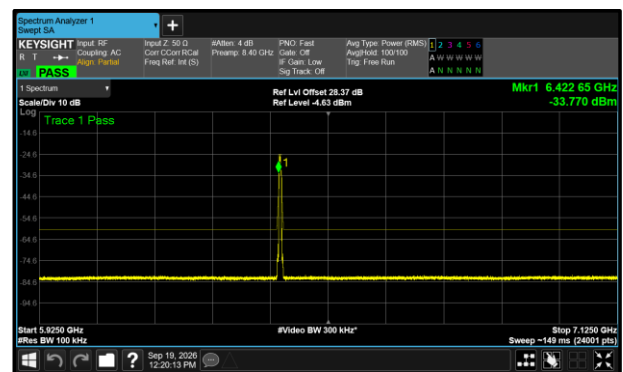


Figure 393 - A(Core 0) 6425 MHz (CH124)

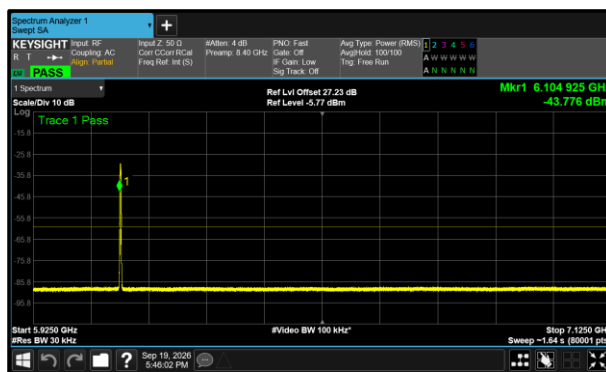


Figure 394 - B(Core 1) 6106 MHz (CH55)

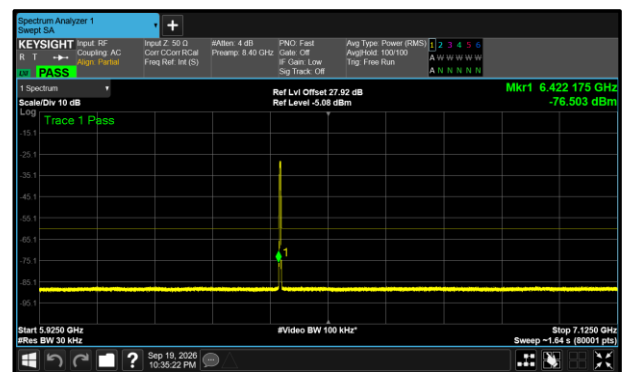


Figure 395 - B(Core 1) 6425 MHz (CH124)

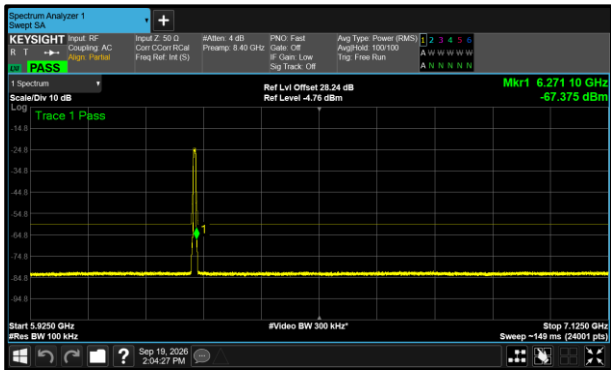


Figure 396 - A(Core 0) 6266 MHz (CH90)

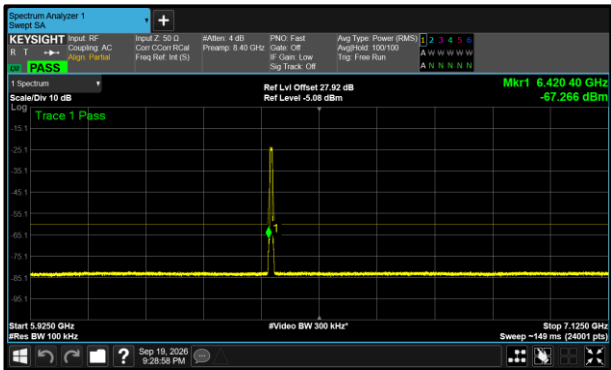


Figure 397 - B(Core 1) 6425 MHz (CH124)

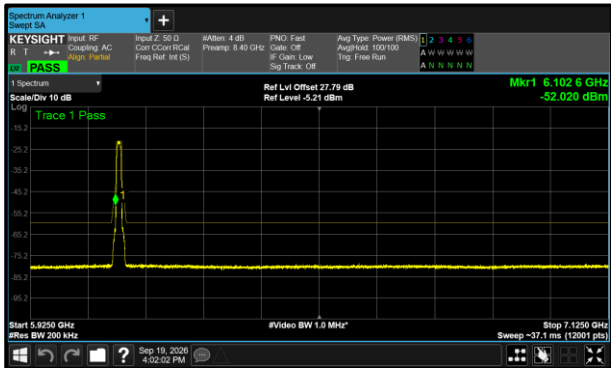


Figure 398 - A(Core 0) 6109 MHz (CH58)



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA BDR (DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-14.60	-	-	-
6266	-13.11	-	-	-
6425	-14.65	-	-	-

Table 196 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDT (HDT6)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-20.60	-	-	-
6266	-21.92	-	-	-
6425	-20.82	-	-	-

Table 197 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDR (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-9.42	-	-	-
6266	-9.61	-	-	-
6425	-8.87	-	-	-

Table 198 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPM12)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-17.83	-	-	-
6266	-16.77	-	-	-
6425	-17.45	-	-	-

Table 199 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPL8)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6109	-10.72	-	-	-
6267	-11.50	-	-	-
6425	-12.91	-	-	-

Table 200 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA LE (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-14.26	-	-	-
6266	-15.36	-	-	-
6425	-14.43	-	-	-

Table 201 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA BDR (DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-14.72	-	-
6266	-	-15.05	-	-
6425	-	-14.07	-	-

Table 202 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDT (HDT6)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-20.82	-	-
6266	-	-21.21	-	-
6425	-	-19.92	-	-

Table 203 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDR (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-9.22	-	-
6266	-	-9.66	-	-
6425	-	-10.94	-	-

Table 204 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPM4)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-	-20.54	-	-
6266	-	-20.36	-	-
6425	-	-19.13	-	-

Table 205 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPM12)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-	-18.43	-	-
6266	-	-18.31	-	-
6425	-	-18.47	-	-

Table 206 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPL8)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6109	-	-11.14	-	-
6267	-	-11.04	-	-
6425	-	-12.61	-	-

Table 207 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA LE (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-13.68	-	-
6266	-	-13.79	-	-
6425	-	-15.38	-	-

Table 208 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
ePA GFSK (DH5)	-14.19	6265.530
ePA $\pi/4$ DQPSK (8-DH5)	-8.57	6103.650
ePA GFSK (LE 2M)	-13.40	6104.940
ePA 16QAM (HDT6)	-19.34	6269.445
ePA QPSK (HDRPL8)	-11.45	6104.000
ePA 16QAM (HDRPM12)	-17.14	6099.450
ePA QPSK (HDRPM4)	-17.57	6273.850

Table 209 - Unwanted Emissions Within the RLAN Band Summary Results

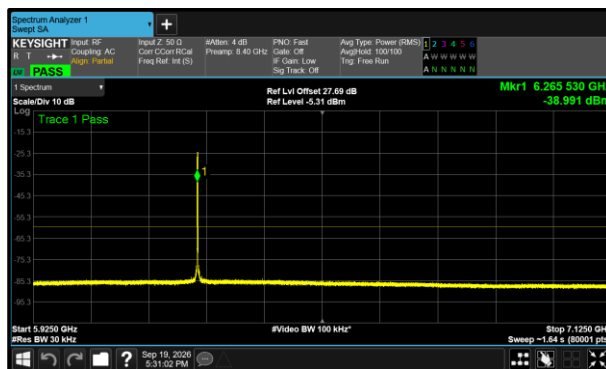


Figure 399 - B(Core 1) 6266 MHz (CH90)

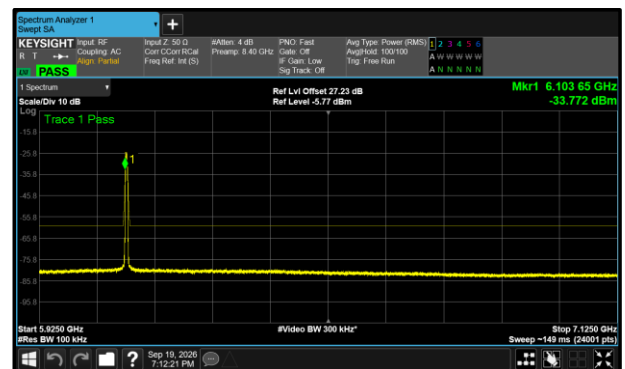


Figure 400 - B(Core 1) 6106 MHz (CH55)

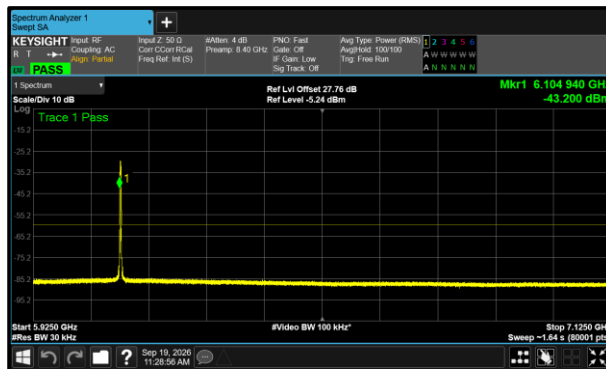


Figure 401 - A(Core 0) 6106 MHz (CH55)

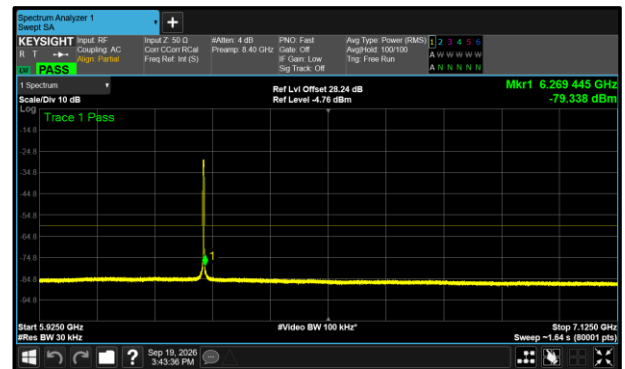


Figure 402 - A(Core 0) 6266 MHz (CH90)

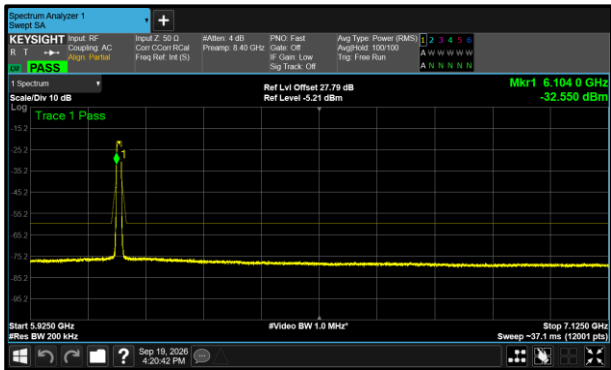


Figure 403 - A(Core 0) 6109 MHz (CH58)

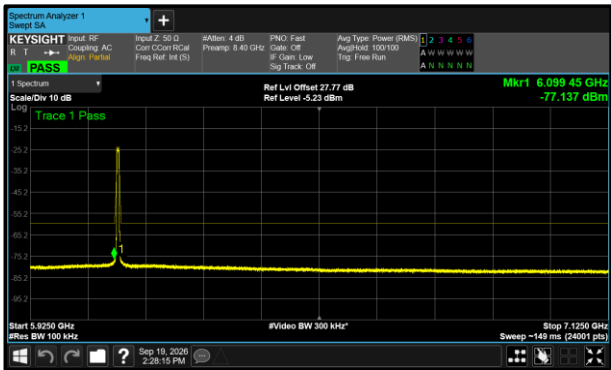


Figure 404 - A(Core 0) 6107 MHz (CH56)

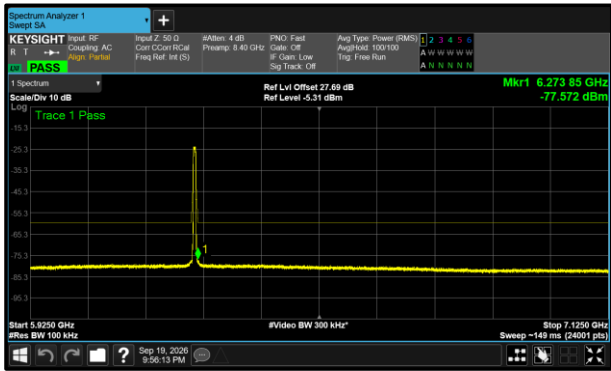


Figure 405 - B(Core 1) 6266 MHz (CH90)



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA BDR (DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-14.85	-	-	-
6266	-14.31	-	-	-
6425	-14.55	-	-	-

Table 210 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDT (HDT6)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-19.40	-	-	-
6266	-19.34	-	-	-
6425	-21.23	-	-	-

Table 211 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDR (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-9.53	-	-	-
6266	-10.21	-	-	-
6425	-9.53	-	-	-

Table 212 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPM12)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-17.14	-	-	-
6266	-17.50	-	-	-
6425	-18.10	-	-	-

Table 213 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPL8)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6109	-11.45	-	-	-
6267	-12.36	-	-	-
6425	-12.80	-	-	-

Table 214 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA LE (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-13.40	-	-	-
6266	-14.11	-	-	-
6425	-13.55	-	-	-

Table 215 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA BDR (DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-14.52	-	-
6266	-	-14.19	-	-
6425	-	-15.95	-	-

Table 216 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDT (HDT6)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-20.69	-	-
6266	-	-20.58	-	-
6425	-	-20.86	-	-

Table 217 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDR (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-8.57	-	-
6266	-	-11.46	-	-
6425	-	-10.60	-	-

Table 218 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPM4)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-	-18.01	-	-
6266	-	-17.57	-	-
6425	-	-18.16	-	-

Table 219 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPM12)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-	-17.68	-	-
6266	-	-18.05	-	-
6425	-	-18.15	-	-

Table 220 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPL8)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6109	-	-13.13	-	-
6267	-	-12.26	-	-
6425	-	-12.18	-	-

Table 221 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA LE (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-	-13.69	-	-
6266	-	-14.34	-	-
6425	-	-13.61	-	-

Table 222 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
iPA GFSK (DH5)	-14.05	6105.525
iPA $\pi/4$ DQPSK (8-DH5)	-9.31	6103.650
iPA GFSK (LE 2M)	-13.84	6264.945
iPA 16QAM (HDT6)	-25.70	6422.295
iPA QPSK (HDRPL8)	-12.34	6420.000
iPA 16QAM (HDRPM12)	-19.50	6263.250
iPA QPSK (HDRPM4)	-19.07	6422.250

Table 223 - Unwanted Emissions Within the RLAN Band Summary Results

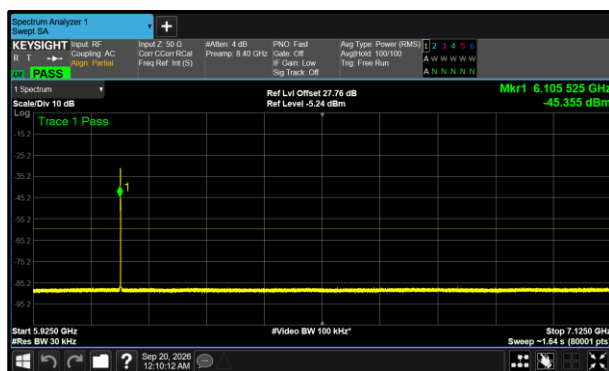


Figure 406 - A(Core 0) 6106 MHz (CH55)

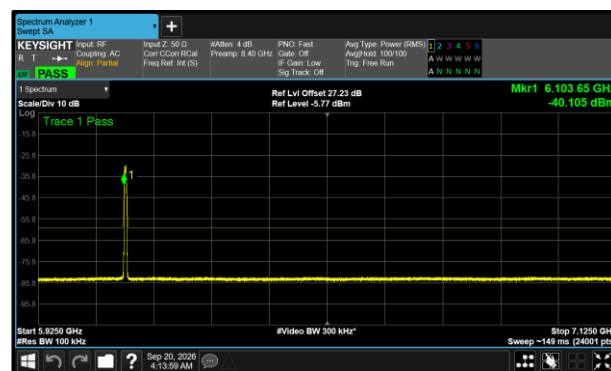


Figure 407 - B(Core 1) 6106 MHz (CH55)



Figure 408 - B(Core 1) 6266 MHz (CH90)

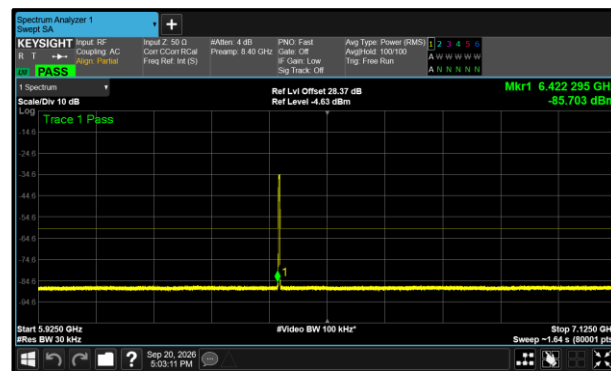


Figure 409 - A(Core 0) 6425 MHz (CH124)

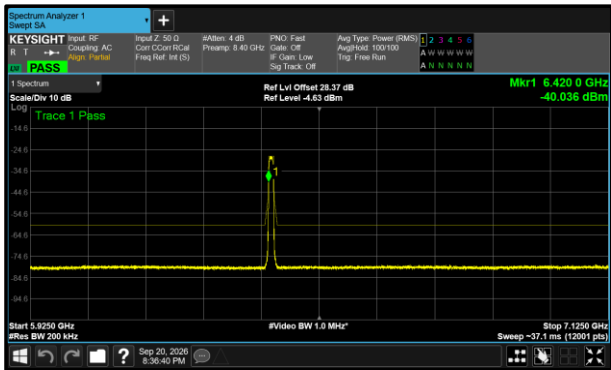


Figure 410 - A(Core 0) 6425 MHz (CH124)

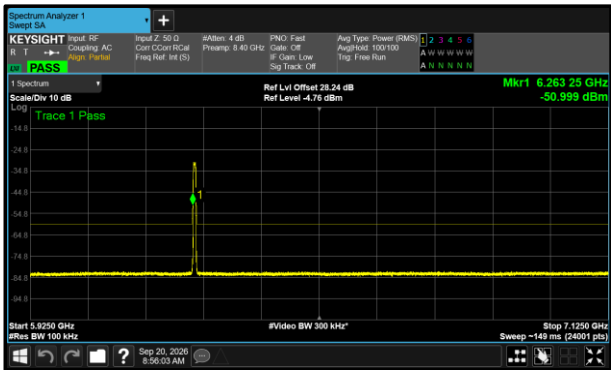


Figure 411 - A(Core 0) 6266 MHz (CH90)

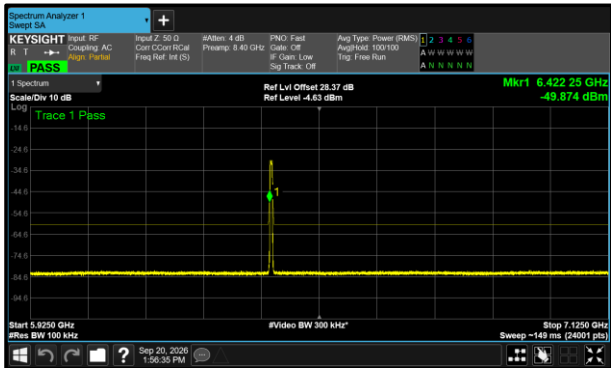


Figure 412 - A(Core 0) 6425 MHz (CH124)



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA BDR (DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-14.05	-14.53	-	-
6266	-14.66	-14.19	-	-
6425	-14.20	-14.92	-	-

Table 224 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDT (HDT6)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-26.94	-27.16	-	-
6266	-26.27	-27.17	-	-
6425	-25.70	-26.00	-	-

Table 225 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDR (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-10.27	-9.31	-	-
6266	-9.73	-11.13	-	-
6425	-9.87	-9.79	-	-

Table 226 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPM4)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-20.76	-19.76	-	-
6266	-20.58	-20.02	-	-
6425	-19.07	-19.76	-	-

Table 227 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPM12)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-20.12	-19.69	-	-
6266	-19.50	-20.01	-	-
6425	-20.21	-20.71	-	-

Table 228 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA HDRP (HDRPL8)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6109	-12.36	-13.03	-	-
6267	-12.79	-12.65	-	-
6425	-12.34	-12.43	-	-

Table 229 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	iPA LE (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-14.15	-14.22	-	-
6266	-15.05	-13.84	-	-
6425	-14.93	-14.28	-	-

Table 230 - Unwanted Emissions Within the Band Results

Protocol	Unwanted Emissions Within the RLAN Band	
	Margin (dB)	Frequency (MHz)
ePA GFSK (DH5)	-14.10	6424.515
ePA $\pi/4$ DQPSK (8-DH5)	-8.55	6263.650
ePA GFSK (LE 2M)	-13.11	6104.940
ePA 16QAM (HDT6)	-18.79	6103.245
ePA QPSK (HDRPL8)	-12.07	6262.000
ePA 16QAM (HDRPM12)	-16.37	6100.950
ePA QPSK (HDRPM4)	-16.87	6101.450

Table 231 - Unwanted Emissions Within the RLAN Band Summary Results



Figure 413 - A(Core 0) 6425 MHz (CH124)

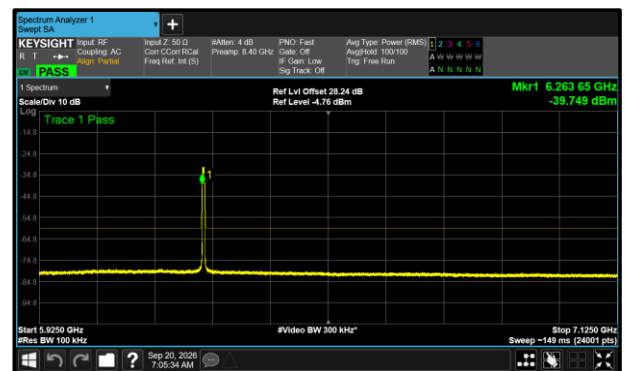


Figure 414 - A(Core 0) 6266 MHz (CH90)

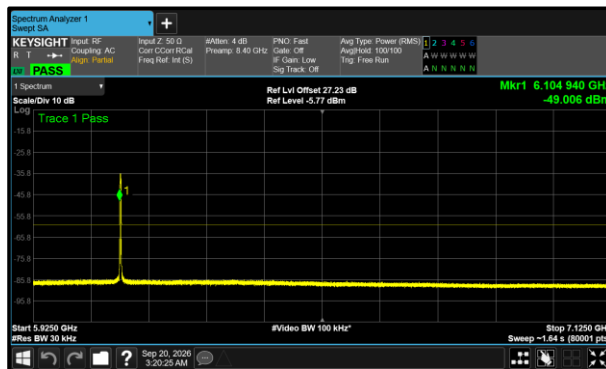


Figure 415 - B(Core 1) 6106 MHz (CH55)

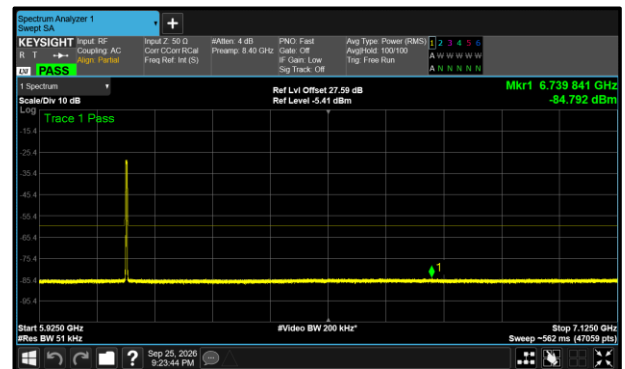


Figure 416 - A(Core 0) 6106 MHz (CH55)

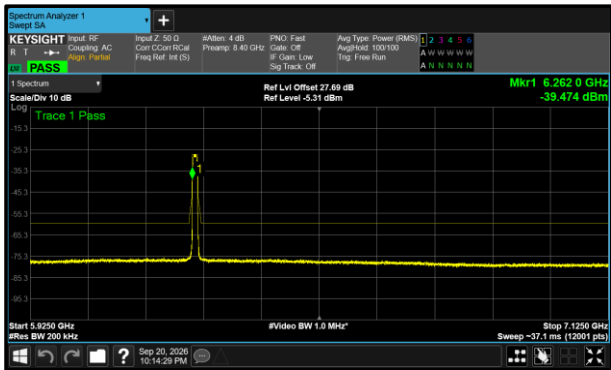


Figure 417 - B(Core 1) 6267 MHz (CH91)

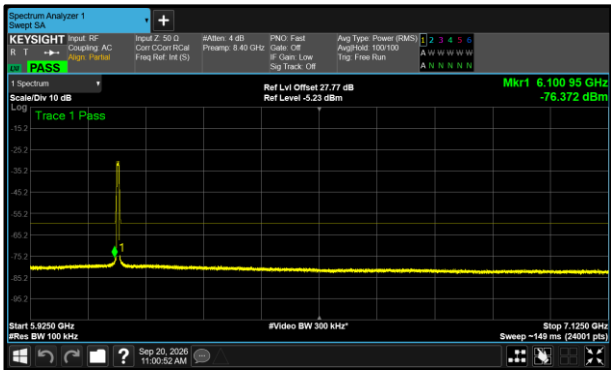


Figure 418 - A(Core 0) 6107 MHz (CH56)

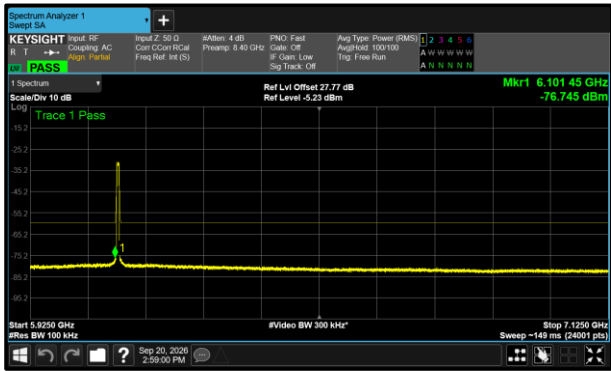


Figure 419 - A(Core 0) 6107 MHz (CH56)



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA BDR (DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-15.01	-14.99	-	-
6266	-15.24	-15.08	-	-
6425	-14.10	-14.44	-	-

Table 232 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDT (HDT6)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-24.79	-24.97	-	-
6266	-19.95	-19.61	-	-
6425	-21.06	-20.44	-	-

Table 233 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDR (8-DH5)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-8.96	-10.38	-	-
6266	-8.55	-9.17	-	-
6425	-10.63	-9.55	-	-

Table 234 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPM4)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-16.87	-18.05	-	-
6266	-17.58	-17.41	-	-
6425	-18.05	-17.27	-	-

Table 235 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPM12)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6107	-16.37	-17.61	-	-
6266	-17.12	-17.82	-	-
6425	-18.25	-18.04	-	-

Table 236 - Unwanted Emissions Within the Band Results

Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA HDRP (HDRPL8)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6109	-13.25	-13.08	-	-
6267	-12.13	-12.07	-	-
6425	-12.49	-12.49	-	-

Table 237 - Unwanted Emissions Within the Band Results



Test Configuration			
Frequency Range:	5.925-6.425 GHz	Band:	U-NII-5
Limit Clause(s):	15.407(7) / RSS-248 4.6.2	Test Method(s):	KDB 987594 clause j

DUT Configuration			
Mode:	ePA LE (LE 2M)	Duty Cycle (%):	-
Antenna Configuration:	Beamforming	DCCF (dB):	-
Active Port(s):	A+B (Core 0+Core 1)	Peak Antenna Gain (dBi):	-

Test Frequency (MHz)	Unwanted Emissions Within the RLAN Band Margin (dB)			
	A	B	C	D
6106	-15.48	-13.11	-	-
6266	-14.28	-14.36	-	-
6425	-14.25	-13.64	-	-

Table 238 - Unwanted Emissions Within the Band Results

FCC 47 CFR Part 15, Limit Clause 15.407(6)

For transmitters operating within the 5.925-7.125 GHz bands:

Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel centre, and by 40 dB at one- and one-half times the channel bandwidth away from channel centre. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the centre of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel centre by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

ISED RSS-248, Limit Clause 4.6.2

e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz band shall be attenuated (in dB) below the reference power spectral density by:

- i. 20 dB at 1 MHz away from the channel edge; and
- ii. a linearly interpolated value between 20 dB and 28 dB at frequencies between 1 MHz outside of channel edge and one (1) channel bandwidth from the operating channel centre, respectively; and
- iii. 28 dB at one (1) channel bandwidth away from the operating channel centre; and
- iv. a linearly interpolated value between 28 dB and 40 dB at frequencies between one (1) channel bandwidth from the channel centre and one- and one-half (1.5) times the channel bandwidth away from the operating channel centre, respectively; and
- v. 40 dB at one- and one-half (1.5) times the channel bandwidth away from the channel centre; and
- vi. a minimum of 40 dB at frequencies that are further away than one and one-half (1.5) times the channel bandwidth from the channel centre.



2.6.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
1500VA AC Power Supply	iTech	IT7324	5907	-	O/P Mon
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5921	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5922	12	29-Nov-2026
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5923	12	29-Nov-2026
Modular Power System Mainframe	Keysight Technologies	N6701C	5969	-	O/P Mon
DC Power Module 60V 20A 300W	Keysight Technologies	N6754A	5970	-	O/P Mon
Digital Multimeter	Fluke	115	6147	12	03-Jun-2027
Humidity and Temperature Meter	R.S Components	1364	6346	12	31-Mar-2027
MXA Signal Analyser	Keysight Technologies	N9020B	6417	24	14-Oct-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6519	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6520	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6521	12	29-Nov-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6522	12	29-Nov-2026
Digital Thermometer	R.S Components	RS 5511	6739	12	02-Mar-2027
Thermostatic Chamber	Weiss Technik	LabEvent T/500/50/3	7315	24	O/P Mon

Table 239

O/P Mon - Output Monitored using calibrated equipment



2.7 Contention Based Protocol

2.7.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (d)(6)
ISED RSS-248, Clause 4.7

2.7.2 Equipment Under Test and Modification State

A3375, S/N: CDX4TFWVVR - Modification State 0

2.7.3 Date of Test

08-September-2026

2.7.4 Test Method

This test was performed in accordance with KDB 987594 D02, clause I.

The AWGN signal level was initially set at a level much less than the required threshold level (< -62 dBm) it was verified at this point that transmissions from the device under test (DUT) were present. The signal level was gradually increased until it was observed that the DUT continuously ceased transmissions with the AWGN signal present.

The AWGN Signal level recorded is the level into the DUT's receiver, corrected for all cable losses. The minimum antenna gain value was then used to correct the level as described in KDB 987594 D04.

Timing plots showing verification that transmissions from the DUT responded to the interferer have been included in the test results below.

The device is a narrowband hopping device. Therefore, it doesn't support bandwidth reduction or puncturing of any individual hopping frequency, but blacklists hopping frequencies where it detects an incumbent signal and reduces the hop set temporarily using its detect and avoid mechanism.

Since the device was not running a test mode and was communicating with a development board in a real-world scenario, the modulation used could not be manually selected and was automatically negotiated between the DUT and the companion device. The bandwidth of any hop could vary from 932 kHz up to a maximum of 9.45 MHz. Therefore, this is always narrower than the incumbent ($BW_{EUT} < BW_{Inc}$) so the test was performed once on this auto rate.

2.7.5 Test Setup Diagram

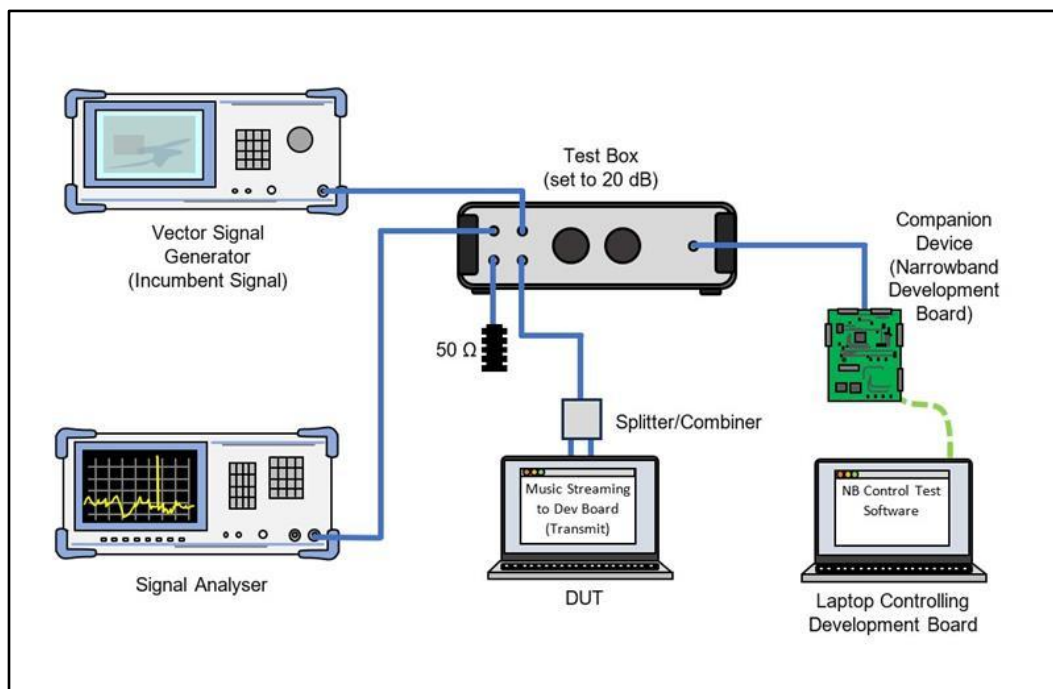


Figure 420 - Test Equipment Setup Diagram

2.7.6 Environmental Conditions

Ambient Temperature	25.4 °C
Relative Humidity	39.5 %

2.7.7 Test Results

Narrowband

Parameter	Results		
U-NII Band	5	5	5
Channel Number	6265 MHz	6265 MHz	6265 MHz
Bandwidth (MHz)	See section 2.3.4	See section 2.3.4	See section 2.3.4
DUT Centre Frequency (MHz)	6265	6265	6265
AWGN Centre Frequency (MHz)	6265	6265	6265
AWGN Signal Power (dBm)	-74.70	-72.70	-70.95
Antenna Gain (dBi)	5.30	5.30	5.30
Adjusted Power (dBm)	-80.00	-78.00	-76.25
Detection Limit (dBm)	-62.0	-62.0	-62.0
EUT Tx Status (OFF/Minimal/ON)	ON	Minimal	OFF
Detection Probability (Successful trials out of 10)	-	-	100%

Table 240 - U-NII-5, Minimum Bandwidth

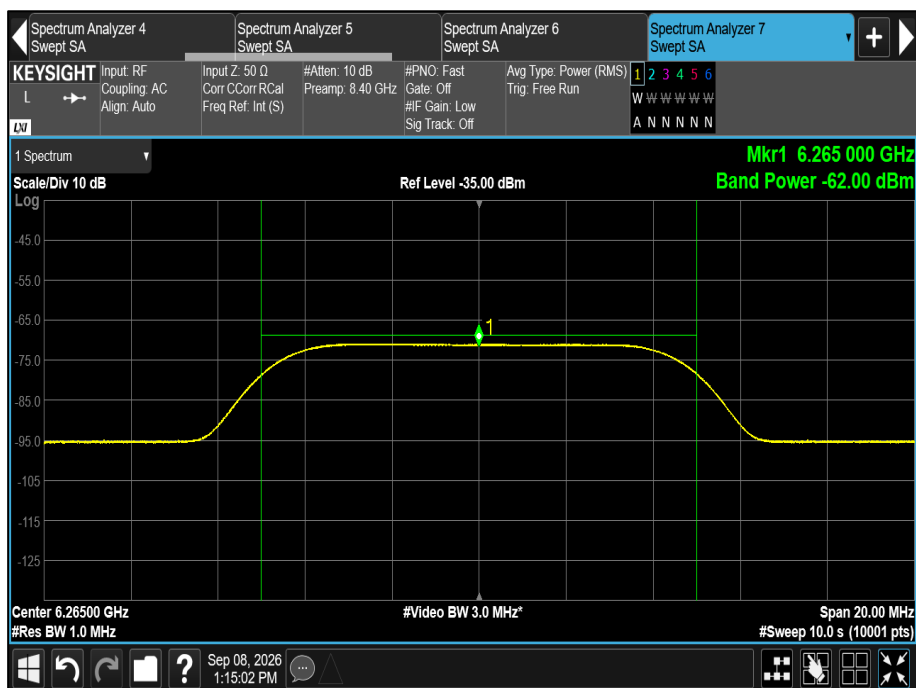


Figure 421 - Example of AWGN Signal

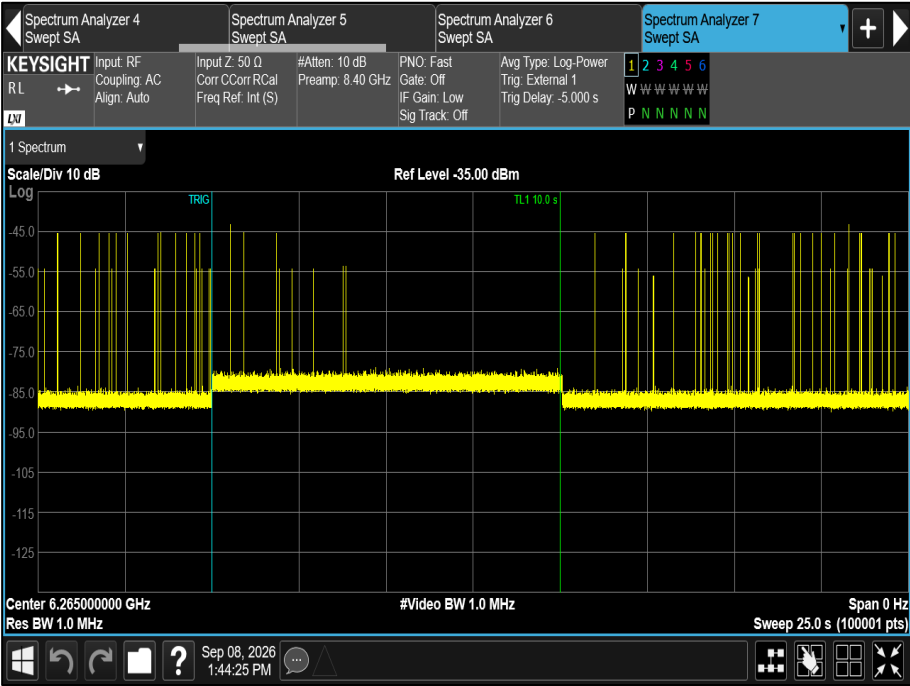


Figure 422 - U-NII-5, Minimum Bandwidth, State: Minimal

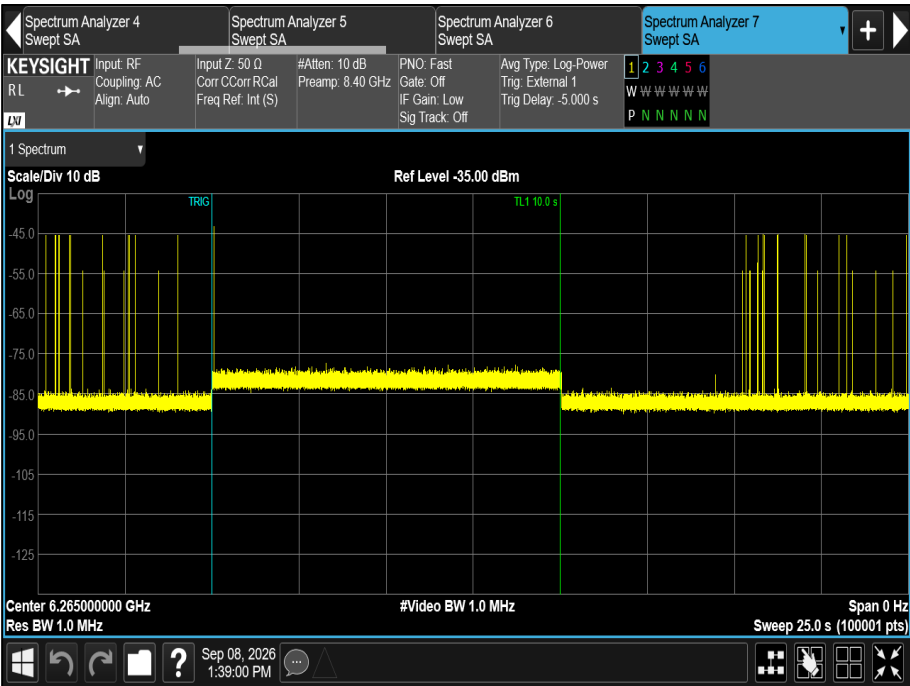


Figure 423 - U-NII-5, Minimum Bandwidth, State: Off



FCC 47 CFR Part 15.407 (d)(6)

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

KDB 987594, Limit Clause I

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

ISED RSS-248, Limit Clause 4.7.3

The minimum detection threshold power is the received power referenced to a 0 dBi antenna. Devices shall use a contention-based protocol to detect the presence of any emissions on the channel that the device intends to occupy. The device shall be able to detect, within its entire occupied bandwidth, a radio frequency power of at least -62 dBm or lower.

If an emission is detected on a channel, the device shall cease transmissions and shall not resume transmissions on this channel while the detected radio frequency power is at or above the -62 dBm threshold.



2.7.8 Test Location and Test Equipment Used

This test was carried out in Shielded Laboratory 1.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Vector Signal Generator	Rohde & Schwarz	SMM100A	5915	36	24-Mar-2029
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5936	12	15-May-2027
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	20-Jun-2027
1m Coaxial Cable Assy	Junkosha	MWX221-01000AMSAMS/A	6374	12	15-May-2027
MXA Signal Analyzer	Keysight Technologies	N9020B	6415	24	31-Mar-2027
Test Coupling Network	TUV SUD	TUV_RxTest_001	6441	12	28-May-2027
Humidity & Temperature meter	R.S Components	1364	7104	12	04-Aug-2027
Power Splitter	Mini-Circuits	ZN2PD2-14W-S+	7274	12	21-Apr-2027

Table 241



2.8 Transmit Power Control; Very Low Power Devices

2.8.1 Specification Reference

FCC 47 CFR Part 15, Clause 15.407 (d)(10)
ISED RSS-248, Clause 4.5.6

2.8.2 Equipment Under Test and Modification State

A3375, S/N: CDX4TFWVVR - Modification State 0

2.8.3 Date of Test

08-September-2026

2.8.4 Test Method

The DUT and companion device was setup for peer-to-peer communication, as shown in the test setup diagram below.

The purpose of this test is to demonstrate the ability of the device under test (DUT) to employ a transmit power control (TPC) mechanism in order to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

Initially the value of the step attenuator is set high so the EUT transmits at full power to the companion and the power spectral density (PSD) was measured. The result was recorded as RSSI (Low) and was compared to the VLP PSD limit (-5 dBm/MHz).

The step attenuation was then decreased so the EUT would back off the transmitted power, and the PSD was measured again. This was recorded as RSSI (High) and was compared to the VLP PSD Limit - 6 dB (-11 dBm/MHz).

NOTE: Since the EUT is operating in an auto-rate MIMO hopping mode, the test was performed using Max Hold and a Peak detector. Therefore, the absolute value of PSD recorded below is the maximum peak signal and not comparable with the PSD measurements contained within the PSD results section of this report.

2.8.5 Test Setup Diagram

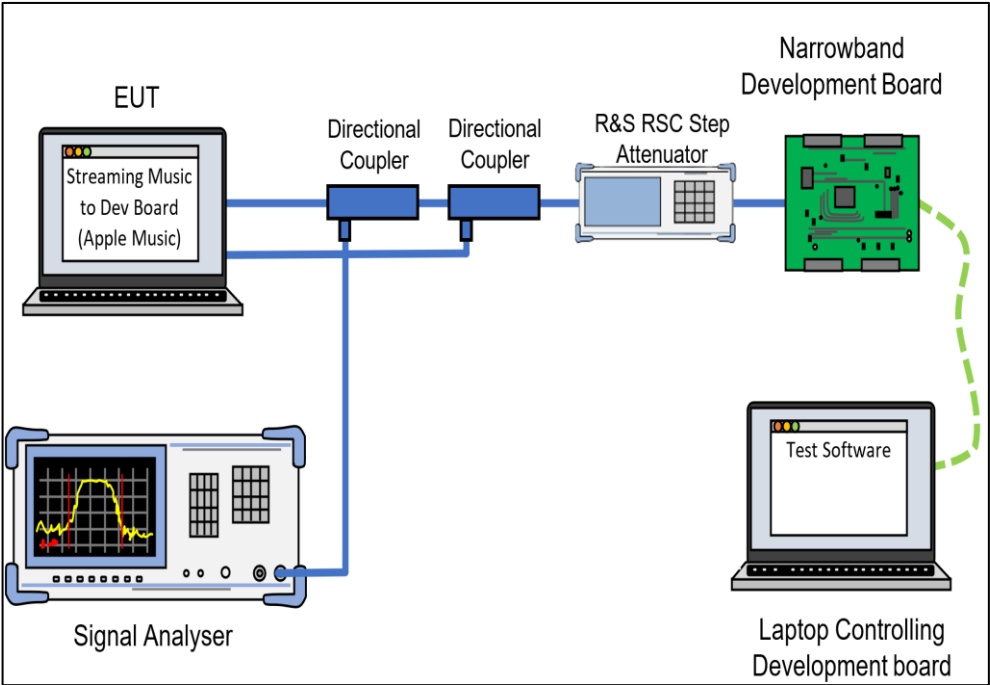


Figure 424 – TPC VLP Setup Diagram



2.8.6 Environmental Conditions

Ambient Temperature 25.4 °C
Relative Humidity 39.5 %

2.8.7 Test Results

Narrowband

CH	Frequency (MHz)	Bandwidth (MHz)	Power Spectral Density (dBm/MHz) EIRP		Verdict
			RSSI (Low)	RSSI (High)	
Ch6145	6145	4	-6.31	-11.62	Pass

Table 242 - TPC VLP Results

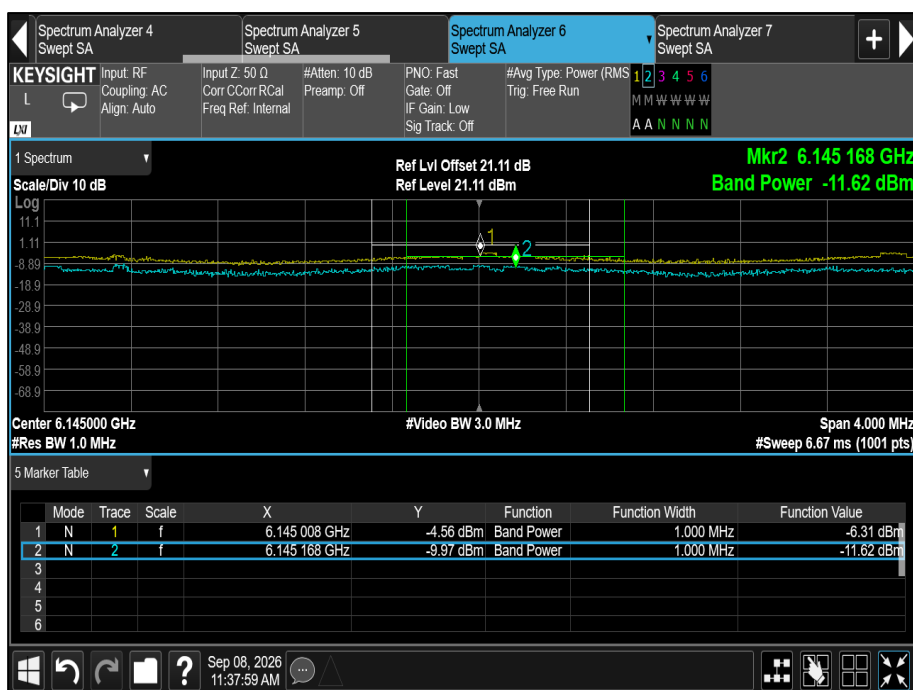


Figure 425 - TPC - RSSI Low (Trace 1) and RSSI High (Trace 2)

FCC 47 CFR Part 15, Limit Clause 15.407(d)(10)

Very low power devices operating in the 5.925-6.425 and 6.525-6.875 GHz bands shall employ a transmit power control (TPC) mechanism. A very low power device is required to have the capability to operate at least 6 dB below the maximum EIRP power spectral density (PSD) value of -5 dBm/MHz.

ISED RSS-248, Limit Clause 4.5.6

The maximum e.i.r.p. spectral density shall not exceed -5 dBm/MHz. A very low-power device shall implement transmitter power control in order to have the capability to operate at least 6 dB lower than the maximum e.i.r.p. spectral density limit.



2.8.8 Test Location and Test Equipment Used

This test was carried out in Shielded Laboratory 1.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
3.5 mm 2m Cable	Junkosha	MWX221-02000DMS	5429	12	15-May-2027
1m Coaxial Cable Assy	Junkosha	MWX221-01000AMSAMS/A	6374	12	15-May-2027
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	5765	-	O/P Mon
Directional Coupler 2-8GHz	RF-Lambda	RFDC2G8G10	5766	-	O/P Mon
Test Coupling Network	TUV SUD	TUV_RxTest_001	6387	12	05-Dec-2026
MXA Signal Analyzer	Keysight Technologies	N9020B	6415	24	31-Mar-2027
Humidity & Temperature meter	R.S Components	1364	7104	12	04-Aug-2027

Table 243



3 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Maximum Conducted Output Power	Method PM: ± 0.65 dB Method SA: ± 1.05 dB
Maximum Conducted Power Spectral Density	± 1.00 dB
Emission Bandwidth	± 217.89 kHz
Authorised Band Edges	± 6.3 dB
Spurious Radiated Emissions	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB
Unwanted Emissions within the 5925-7125 MHz band	± 3.45 dB
Contention Based Protocol	Time: 0.30% Interferer BW: 267.98 kHz Interferer Level: 0.80 dB
Transmit Power Control; Very Low Power Devices	± 1.49 dB

Table 244

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.