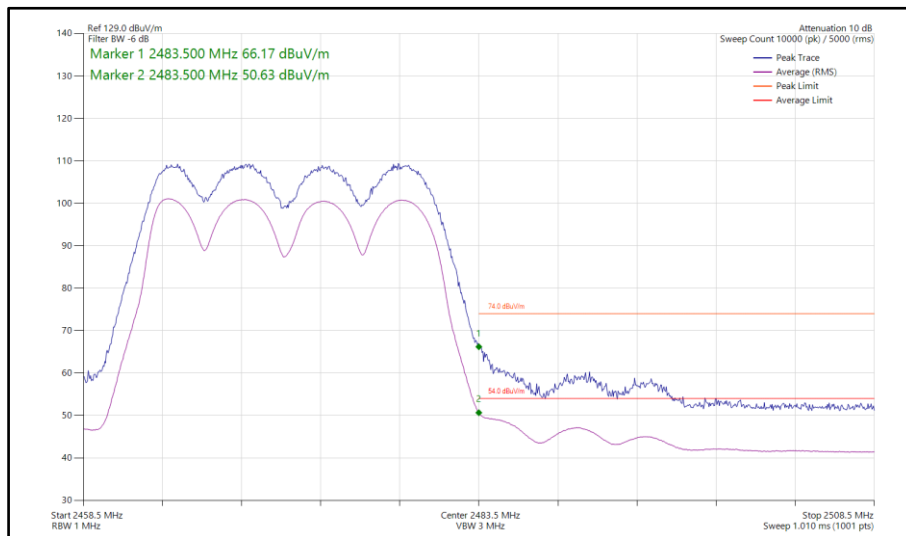
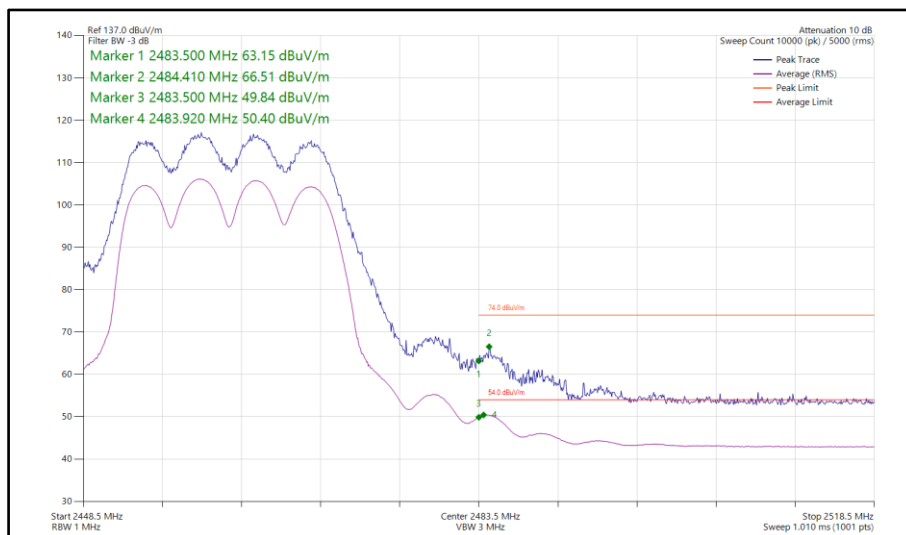
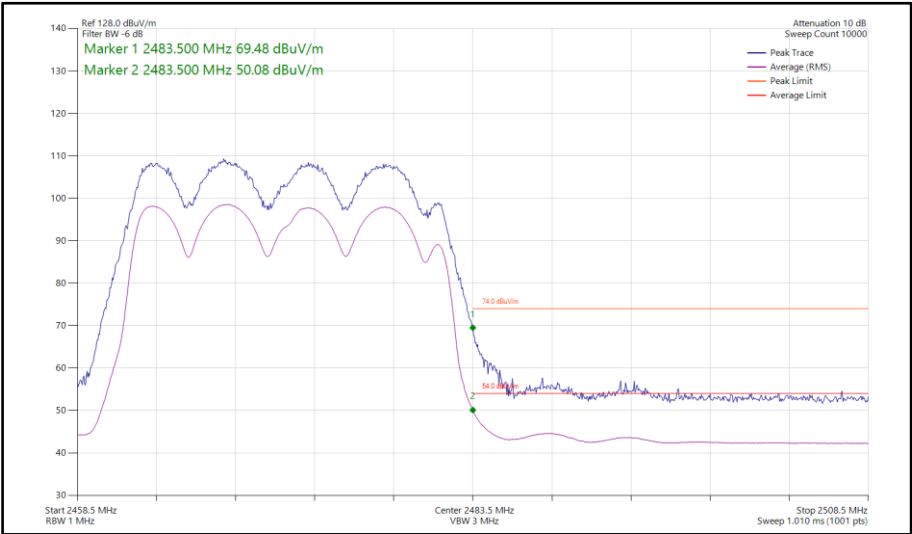




**Figure 67 - 802.11ac VHT20, TxBF, Core 0-1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 68 - 802.11ax HE20, SU, TxBF, Core 0-1 - 2462 MHz
Band Edge Frequency 2483.5 MHz**



**Figure 69 - 802.11ax HE20, SU, TxBF, Core 0-1 - 2472 MHz
Band Edge Frequency 2483.5 MHz**

FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength (µV/m at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 13

ISED RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength (µV/m at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960*	500

Table 14

*Unless otherwise specified, for all frequencies greater than 1 GHz, the radiated emission limits for licence-exempt radio apparatus stated in applicable RSSs (including RSS-Gen) are based on measurements using a linear average detector function having a minimum resolution bandwidth of 1 MHz. If an average limit is specified for the EUT, then the peak emission shall also be measured with instrumentation properly adjusted for such factors as pulse desensitization to ensure the peak emission is less than 20 dB above the average limit.



2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Test Receiver	Rohde & Schwarz	ESW44	5379	12	25-Nov-2026
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	04-Sep-2026
Test Receiver	Rohde & Schwarz	ESW44	5914	12	17-Jun-2026
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
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
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	TU
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	23-Apr-2028
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	07-May-2028
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5996	12	23-May-2026
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	06-Jun-2026
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6008	12	23-May-2026
Horn Antenna (1-10.5 GHz)	Schwarzbeck	BBHA9120B	6140	12	14-Sep-2026
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	14-Sep-2026
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	14-Sep-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6145	12	06-Jun-2026
Digital Multimeter	Fluke	115	6146	12	05-Jun-2026
Digital Multimeter	Fluke	115	6147	12	05-Jun-2026
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	11-Dec-2026



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
USB Spectrum Analyser	Signal Hound	SA124B	6295	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6296	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6297	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	23-May-2026
Humidity and Temperature Meter	R.S Components	1364	6346	12	13-Mar-2026
1m Coaxial Cable Assy	Junkosha	MWX221-01000AMSAMS/A	6354	12	15-Apr-2026
USB Spectrum Analyser	Signal Hound	SA124B	6383	-	TU
Humidity and Temperature Meter	R.S Components	1364	6486	12	01-Jul-2026
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	08-May-2028
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	27-Apr-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	27-Apr-2026
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	27-Apr-2026
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	24-Jul-2026
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	14-Sep-2026
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	18-Aug-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6848	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6851	12	06-Nov-2026
Cable Assembly	Pasternack	PE300-60	6856	-	TU
Cable Assembly	Pasternack	PE300-60	6857	-	TU
Cable Assembly	Pasternack	PE300-60	6858	-	TU
Cable Assembly	Pasternack	PE300-60	6861	-	TU
Cable Assembly	Pasternack	PE300-60	6862	-	TU
Cable Assembly	Pasternack	PE300-60	6863	-	TU
Cable Assembly	Pasternack	PE300-60	6864	-	TU
Cable Assembly	Pasternack	PE300-60	6866	-	TU
Cable Assembly	Pasternack	PE300-60	6867	-	TU



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Cable Assembly	Pasternack	PE300-60	6868	-	TU
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6975	12	05-Apr-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6976	12	05-Apr-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6977	12	05-Apr-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6978	12	05-Apr-2026

Table 15

TU - Traceability Unscheduled
O/P Mon - Output Monitored using calibrated equipment



2.2 Emission Bandwidth

2.2.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (a)(2)
ISED RSS-247, Clause 6.3.1
ISED RSS-GEN, Clause 6.7

2.2.2 Equipment Under Test and Modification State

A3428, S/N: G9F4Y6NJ31 - Modification State 0
A3428, S/N: DJQ7J7L5JK - Modification State 0

2.2.3 Date of Test

17-December-2025 to 23-December-2025

2.2.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 11.8.1 for 6 dB BW and 6.9.3 for 99% occupied bandwidth measurements.

2.2.5 Environmental Conditions

Ambient Temperature	23.8 - 24.1 °C
Relative Humidity	39.6 - 43.2 %

2.2.6 Test Results

2.4 GHz WLAN

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11b	14.340	14.820
802.11g	17.520	17.820
802.11n HT20	17.520	17.760
802.11ax HE20 SU	18.720	19.020

Table 16 - 99% Bandwidth Summary Results – SISO

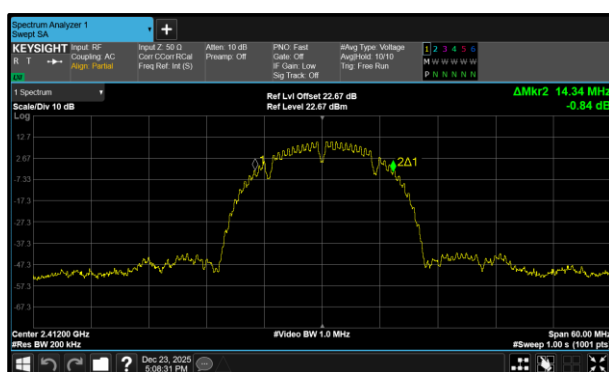


Figure 70 - 802.11b Minimum 99% OBW

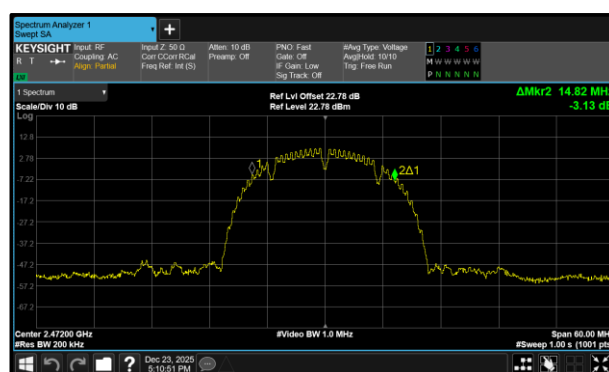


Figure 71 - 802.11b Maximum 99% OBW

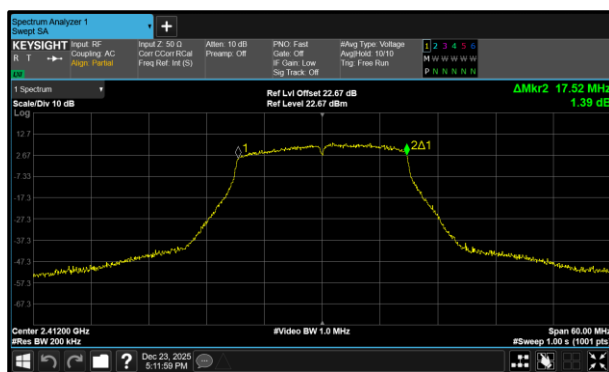


Figure 72 - 802.11g Minimum 99% OBW

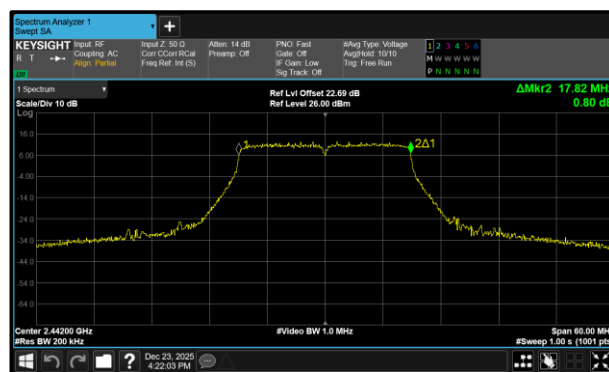


Figure 73 - 802.11g Maximum 99% OBW

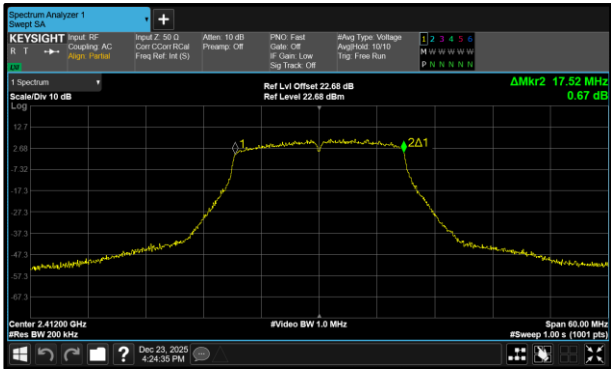


Figure 74 - 802.11n HT20 Minimum 99% OBW

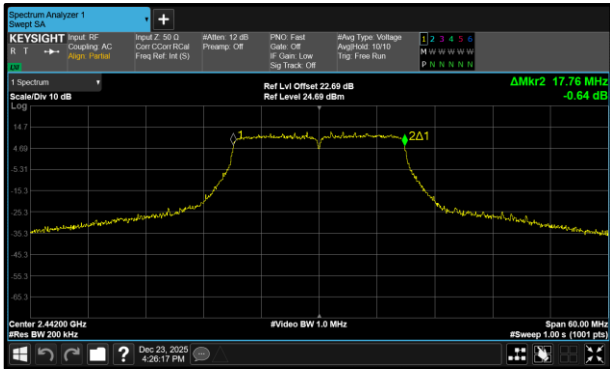


Figure 75 - 802.11n HT20 Maximum 99% OBW

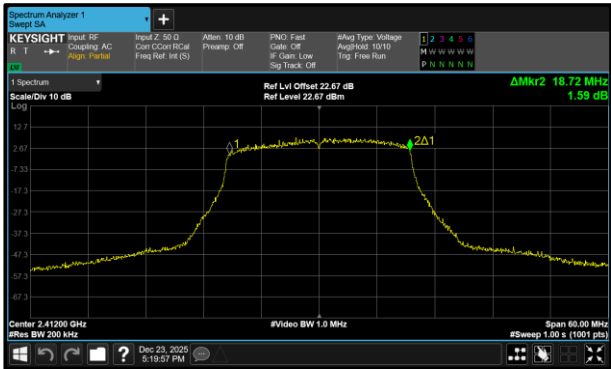


Figure 76 - 802.11ax HE20 SU Minimum 99% OBW

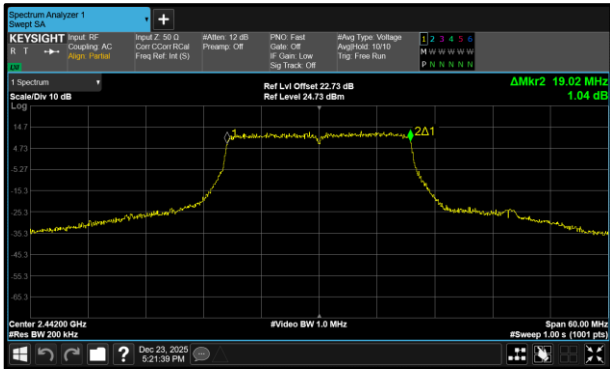


Figure 77 - 802.11ax HE20 SU Maximum 99% OBW

Protocol	6 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11b	9.660	10.140
802.11g	16.080	17.760
802.11n HT20	16.020	17.760
802.11ax HE20 SU	16.920	19.080

Table 17 - 6 dB Bandwidth Summary Results - SISO

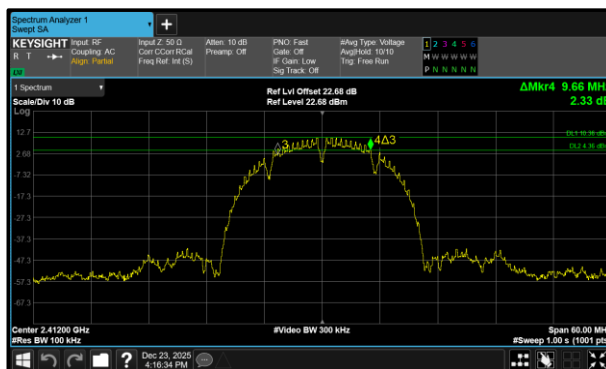


Figure 78 - 802.11b Minimum 6 dB EBW

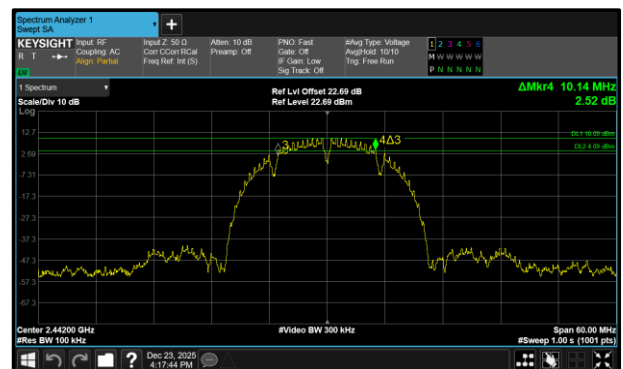


Figure 79 - 802.11b Maximum 6 dB EBW

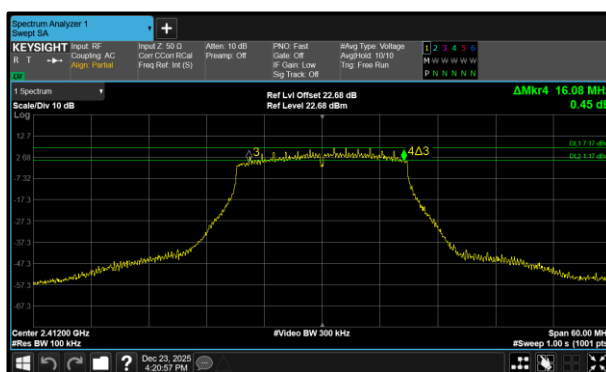


Figure 80 - 802.11g Minimum 6 dB EBW

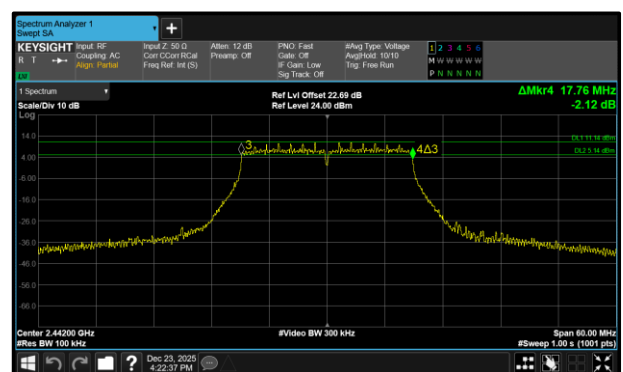


Figure 81 - 802.11g Maximum 6 dB EBW

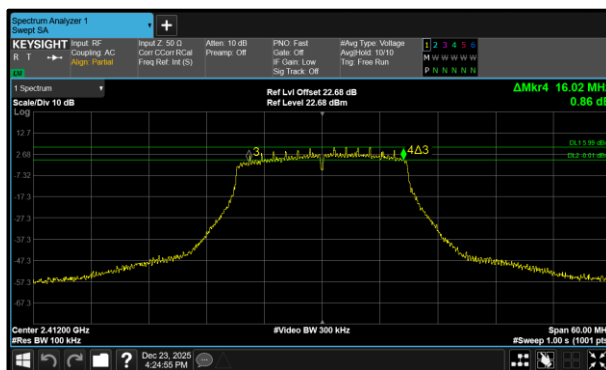


Figure 82 - 802.11n HT20 Minimum 6 dB EBW

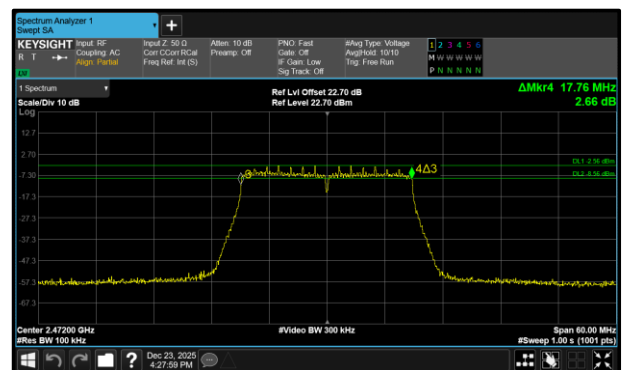


Figure 83 - 802.11n HT20 Maximum 6 dB EBW

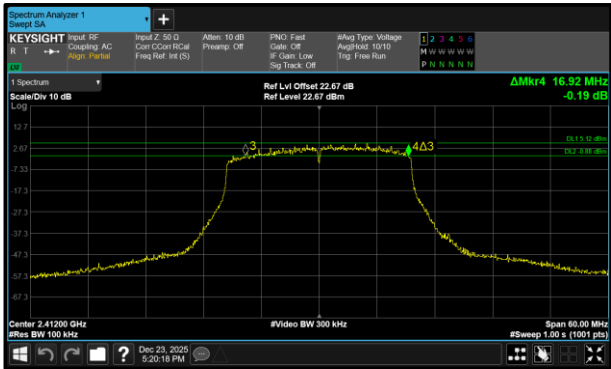


Figure 84 - 802.11ax HE20 SU Minimum 6 dB
EBW

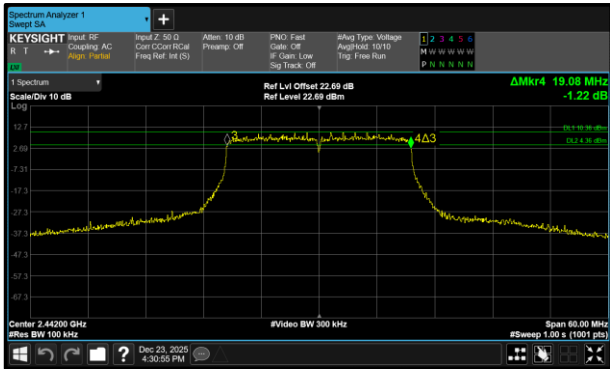


Figure 85 - 802.11ax HE20 SU Maximum 6 dB
EBW



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11b	Duty Cycle (%):	-
Data Rate:	1 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	9.660	-	-	-	≥500.0
2442	10.140	-	-	-	≥500.0
2472	10.140	-	-	-	≥500.0

Table 18 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	14.400	-	-	-	-
2442	14.520	-	-	-	-
2472	14.640	-	-	-	-

Table 19 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	16.080	-	-	-	≥500.0
2442	17.760	-	-	-	≥500.0
2472	17.700	-	-	-	≥500.0

Table 20 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.580	-	-	-	-
2442	17.820	-	-	-	-
2472	17.640	-	-	-	-

Table 21 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	16.020	-	-	-	≥500.0
2442	17.700	-	-	-	≥500.0
2472	17.760	-	-	-	≥500.0

Table 22 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.520	-	-	-	-
2442	17.760	-	-	-	-
2472	17.640	-	-	-	-

Table 23 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.280	-	-	-	≥500.0
2432	17.400	-	-	-	≥500.0
2442	19.080	-	-	-	≥500.0
2472	19.020	-	-	-	≥500.0

Table 24 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	18.780	-	-	-	-
2432	18.780	-	-	-	-
2442	18.960	-	-	-	-
2472	18.960	-	-	-	-

Table 25 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11b	Duty Cycle (%):	-
Data Rate:	1 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	9.720	-	-	≥500.0
2442	-	10.140	-	-	≥500.0
2472	-	10.140	-	-	≥500.0

Table 26 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	14.340	-	-	-
2442	-	14.640	-	-	-
2472	-	14.820	-	-	-

Table 27 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	16.320	-	-	≥500.0
2442	-	17.760	-	-	≥500.0
2472	-	17.760	-	-	≥500.0

Table 28 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	17.520	-	-	-
2442	-	17.820	-	-	-
2472	-	17.640	-	-	-

Table 29 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	16.140	-	-	≥500.0
2442	-	17.700	-	-	≥500.0
2472	-	17.760	-	-	≥500.0

Table 30 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	17.520	-	-	-
2442	-	17.760	-	-	-
2472	-	17.640	-	-	-

Table 31 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	16.920	-	-	≥500.0
2442	-	19.020	-	-	≥500.0
2472	-	19.020	-	-	≥500.0

Table 32 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	-	18.720	-	-	-
2442	-	19.020	-	-	-
2472	-	18.960	-	-	-

Table 33 - 99% Bandwidth Results



Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11g	17.520	17.820
802.11n HT20	17.460	17.760
802.11ax HE20 SU	18.720	19.020

Table 34 - 99% Bandwidth Summary Results - MIMO CDD

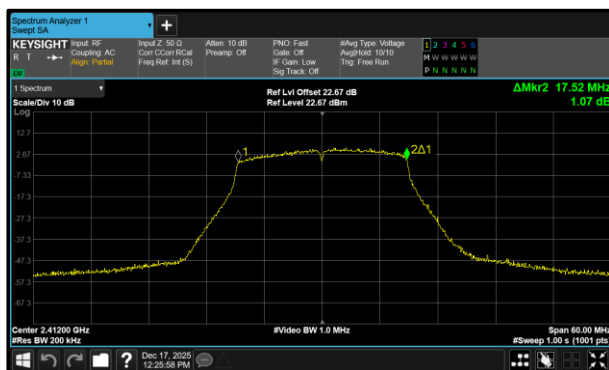


Figure 86 - 802.11g Minimum 99% OBW

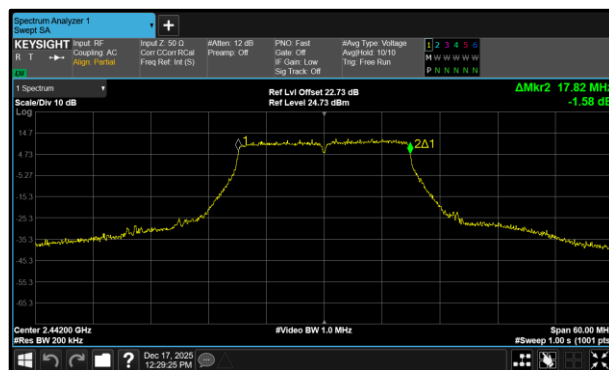


Figure 87 - 802.11g Maximum 99% OBW

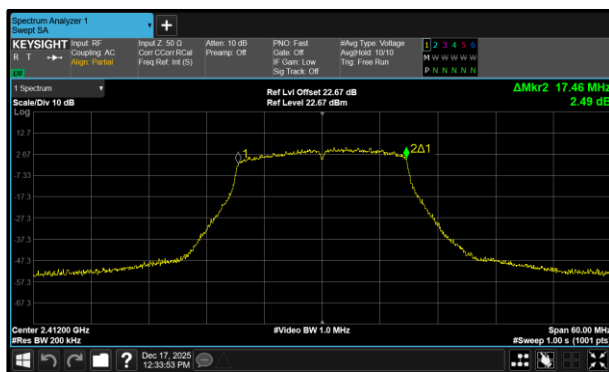


Figure 88 - 802.11n HT20 Minimum 99% OBW

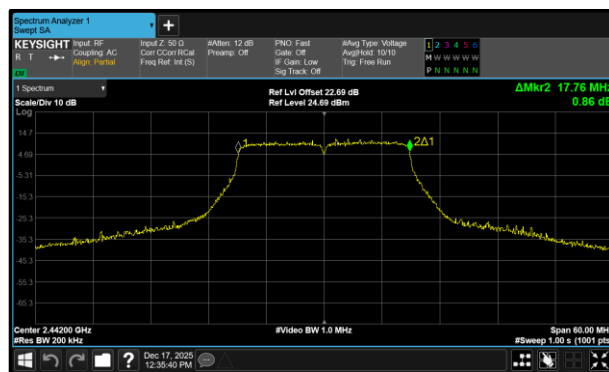


Figure 89 - 802.11n HT20 Maximum 99% OBW

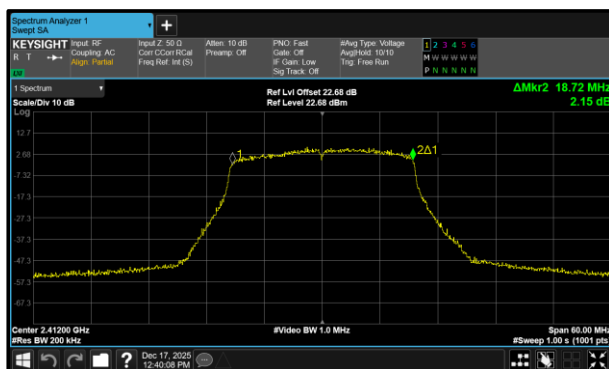


Figure 90 - 802.11ax HE20 SU Minimum 99% OBW

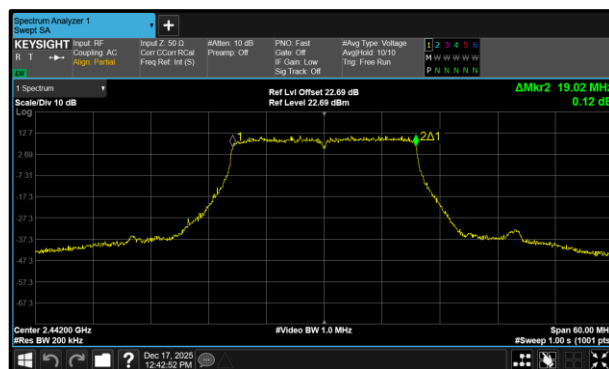


Figure 91 - 802.11ax HE20 SU Maximum 99% OBW



Protocol	6 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11g	16.140	17.820
802.11n HT20	15.840	17.760
802.11ax HE20 SU	16.500	19.080

Table 35 - 6 dB Bandwidth Summary Results - MIMO CDD

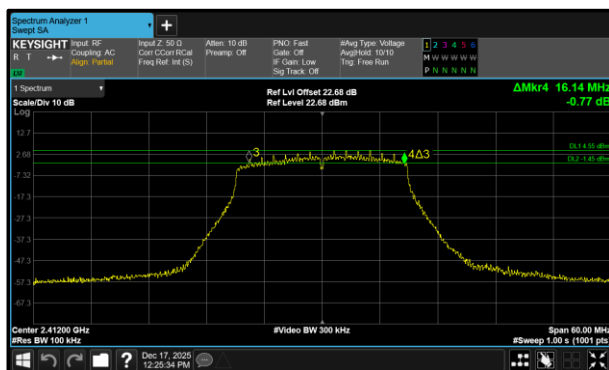


Figure 92 - 802.11g Minimum 6 dB EBW

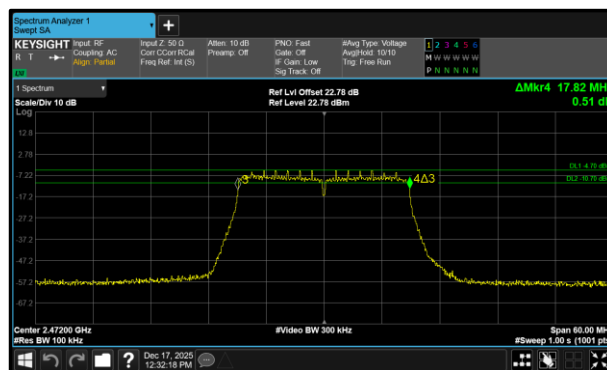


Figure 93 - 802.11g Maximum 6 dB EBW

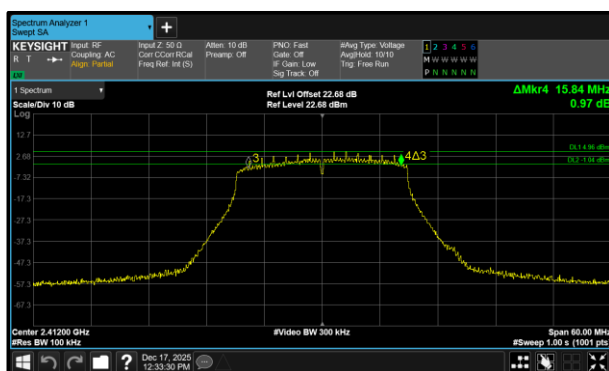


Figure 94 - 802.11n HT20 Minimum 6 dB EBW

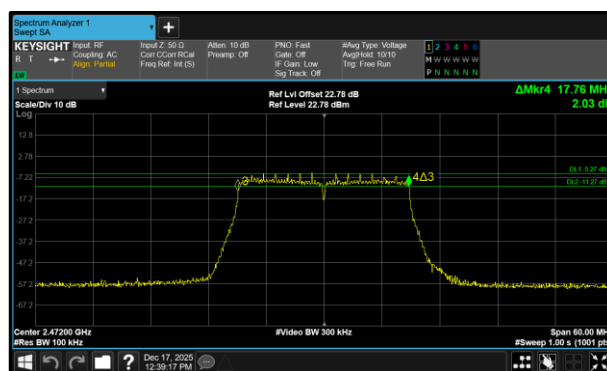


Figure 95 - 802.11n HT20 Maximum 6 dB EBW

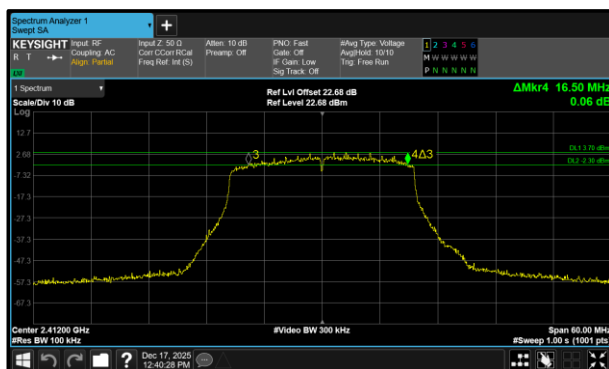


Figure 96 - 802.11ax HE20 SU Minimum 6 dB EBW

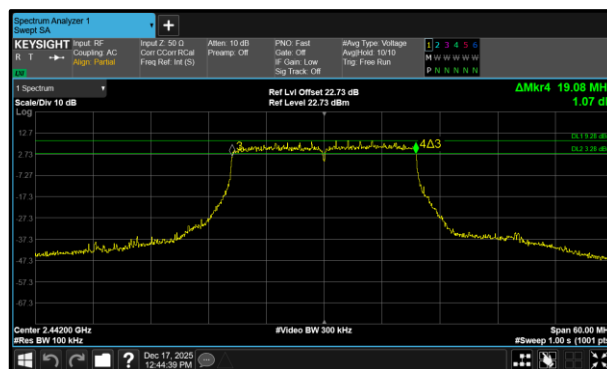


Figure 97 - 802.11ax HE20 SU Maximum 6 dB EBW



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	-
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	16.140	16.140	-	-	≥500.0
2427	16.440	16.380	-	-	≥500.0
2442	17.460	17.700	-	-	≥500.0
2472	17.700	17.820	-	-	≥500.0

Table 36 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.580	17.520	-	-	-
2427	17.580	17.580	-	-	-
2442	17.760	17.820	-	-	-
2472	17.580	17.640	-	-	-

Table 37 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	15.840	16.080	-	-	≥500.0
2432	16.140	16.440	-	-	≥500.0
2442	17.700	17.460	-	-	≥500.0
2472	17.700	17.760	-	-	≥500.0

Table 38 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.520	17.460	-	-	-
2432	17.640	17.640	-	-	-
2442	17.760	17.760	-	-	-
2472	17.580	17.640	-	-	-

Table 39 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	16.500	16.800	-	-	≥500.0
2437	18.540	18.480	-	-	≥500.0
2442	19.020	19.080	-	-	≥500.0
2472	19.020	19.080	-	-	≥500.0

Table 40 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	18.720	18.720	-	-	-
2437	18.900	18.900	-	-	-
2442	19.020	19.020	-	-	-
2472	18.900	18.960	-	-	-

Table 41 - 99% Bandwidth Results



Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11n HT20	17.520	17.760
802.11ax HE20 SU	18.660	18.960

Table 42 - 99% Bandwidth Summary Results - MIMO SDM

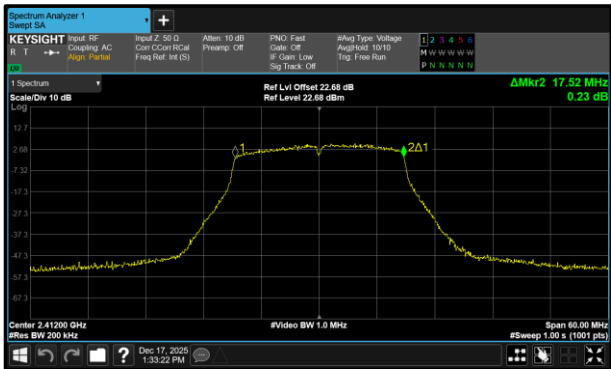


Figure 98 - 802.11n HT20 Minimum 99% OBW

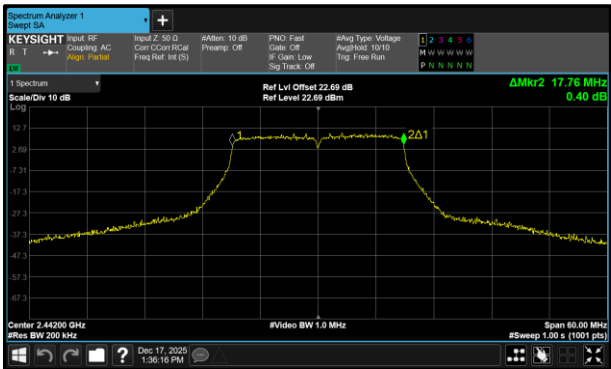


Figure 99 - 802.11n HT20 Maximum 99% OBW

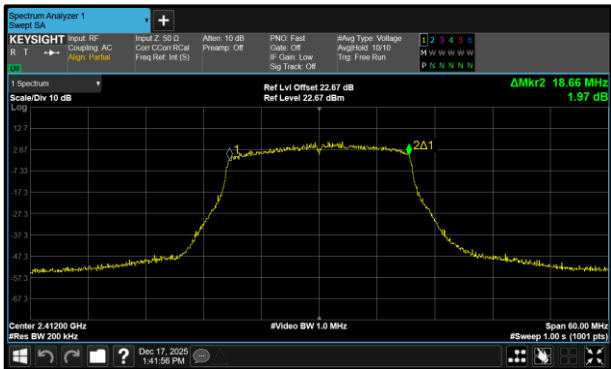


Figure 100 - 802.11ax HE20 SU Minimum 99% OBW

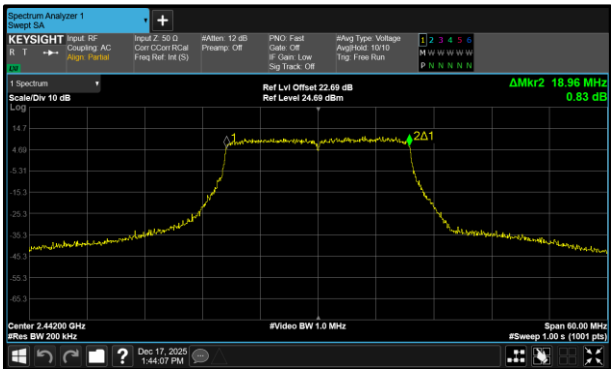


Figure 101 - 802.11ax HE20 SU Maximum 99% OBW



Protocol	6 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11n HT20	16.020	17.760
802.11ax HE20 SU	16.920	19.080

Table 43 - 6 dB Bandwidth Summary Results - MIMO SDM

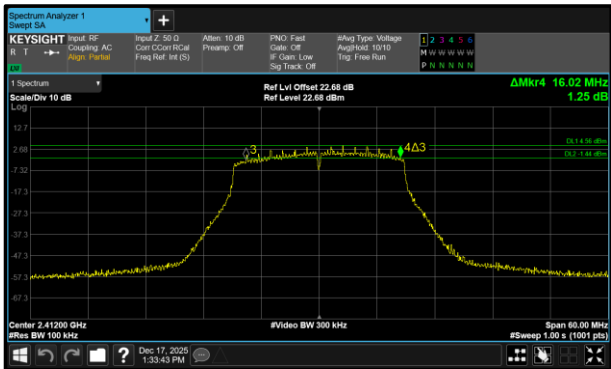


Figure 102 - 802.11n HT20 Minimum 6 dB EBW

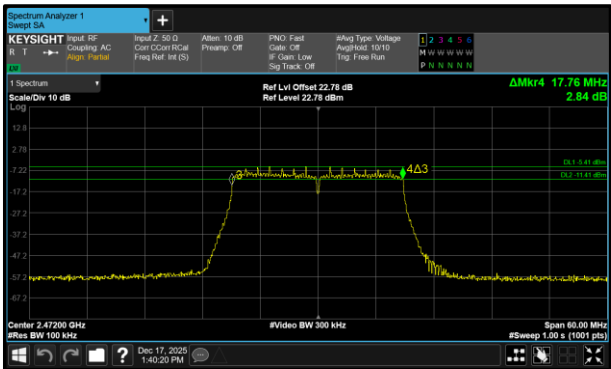


Figure 103 - 802.11n HT20 Maximum 6 dB EBW

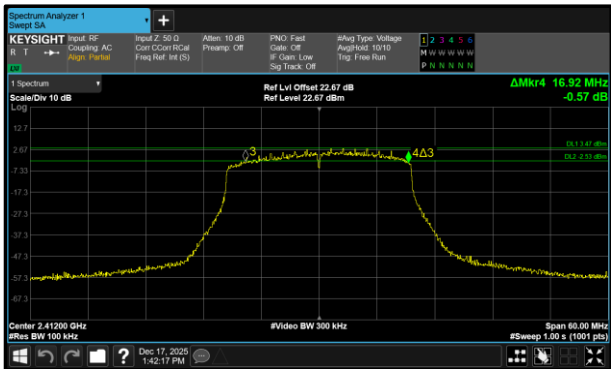


Figure 104 - 802.11ax HE20 SU Minimum 6 dB
EBW

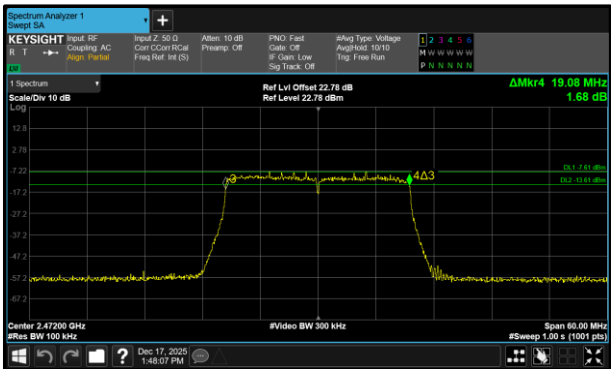


Figure 105 - 802.11ax HE20 SU Maximum 6 dB
EBW



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS10	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	16.020	16.140	-	-	≥500.0
2437	17.040	17.100	-	-	≥500.0
2442	17.700	17.460	-	-	≥500.0
2472	17.700	17.760	-	-	≥500.0

Table 44 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.520	17.520	-	-	-
2437	17.640	17.700	-	-	-
2442	17.760	17.760	-	-	-
2472	17.640	17.640	-	-	-

Table 45 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.040	16.920	-	-	≥500.0
2437	18.480	18.600	-	-	≥500.0
2442	18.960	19.020	-	-	≥500.0
2472	18.960	19.080	-	-	≥500.0

Table 46 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	18.720	18.660	-	-	-
2437	18.900	18.900	-	-	-
2442	18.960	18.960	-	-	-
2472	18.900	18.960	-	-	-

Table 47 - 99% Bandwidth Results

Protocol	99% Bandwidth (MHz)	
	Minimum	Maximum
802.11ac VHT20	17.460	17.760
802.11ax HE20 SU	18.720	18.960

Table 48 - 99% Bandwidth Summary Results - TxBF

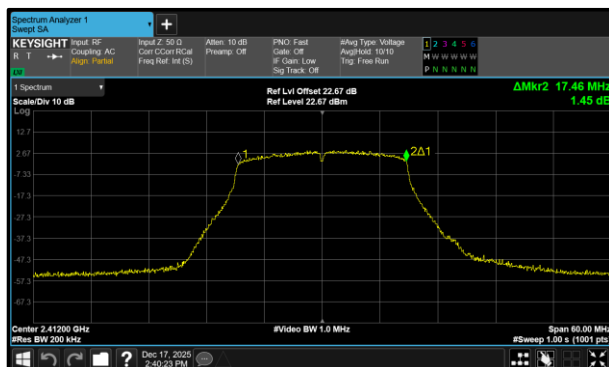


Figure 106 - 802.11ac VHT20 Minimum 99% OBW

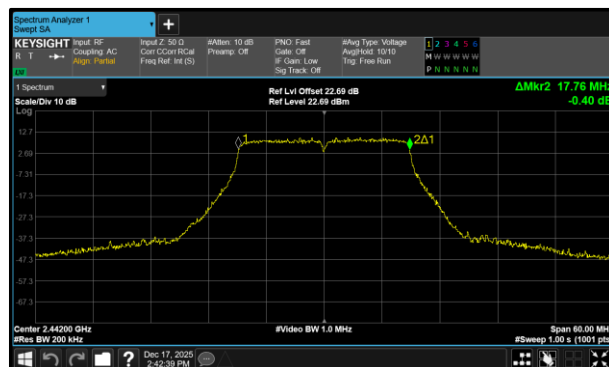


Figure 107 - 802.11ac VHT20 Maximum 99% OBW

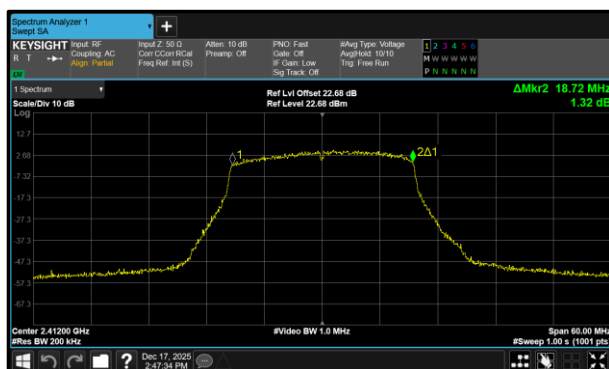


Figure 108 - 802.11ax HE20 SU Minimum 99% OBW

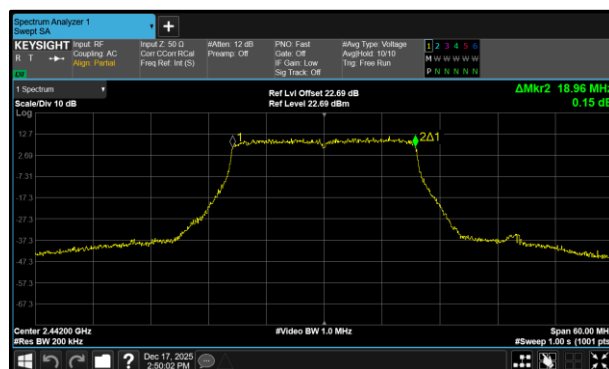


Figure 109 - 802.11ax HE20 SU Maximum 99% OBW



Protocol	6 dB Bandwidth (MHz)	
	Minimum	Maximum
802.11ac VHT20	16.020	17.700
802.11ax HE20 SU	16.680	19.080

Table 49 - 6 dB Bandwidth Summary Results - TxBF

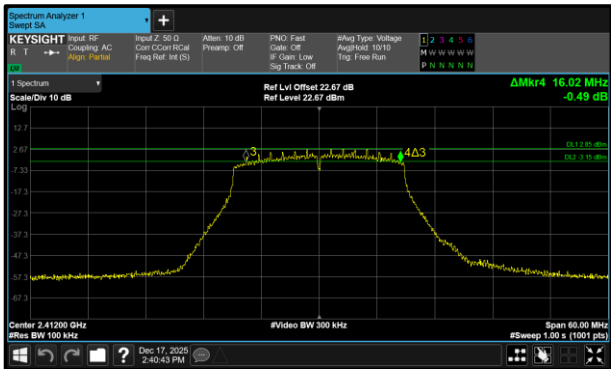


Figure 110 - 802.11ac VHT20 Minimum 6 dB EBW

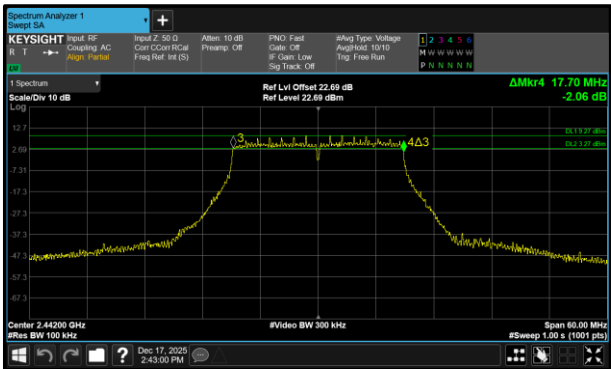


Figure 111 - 802.11ac VHT20 Maximum 6 dB EBW

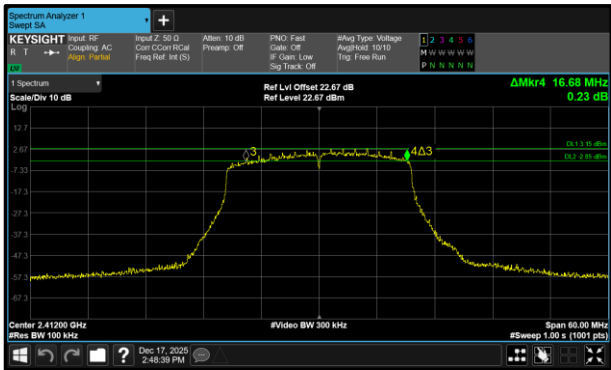


Figure 112 - 802.11ax HE20 SU Minimum 6 dB EBW

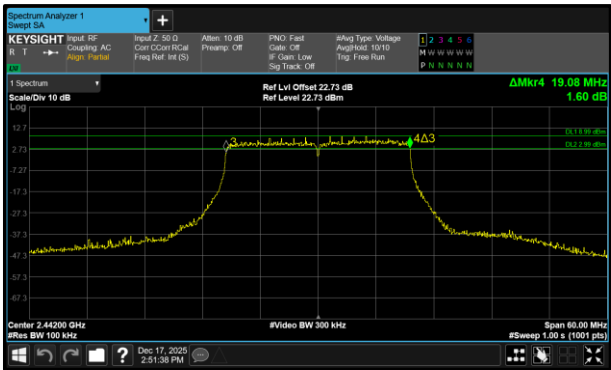


Figure 113 - 802.11ax HE20 SU Maximum 6 dB EBW



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ac VHT20	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	16.080	16.020	-	-	≥500.0
2437	17.040	17.340	-	-	≥500.0
2442	17.700	17.700	-	-	≥500.0
2472	17.700	17.700	-	-	≥500.0

Table 50 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.520	17.460	-	-	-
2437	17.640	17.640	-	-	-
2442	17.760	17.760	-	-	-
2472	17.580	17.640	-	-	-

Table 51 - 99% Bandwidth Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 5.2 (a)	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	-
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	-
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	17.580	16.680	-	-	≥500.0
2437	18.600	18.600	-	-	≥500.0
2442	18.960	19.080	-	-	≥500.0
2472	19.020	19.080	-	-	≥500.0

Table 52 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2412	18.720	18.720	-	-	-
2437	18.900	18.900	-	-	-
2442	18.960	18.960	-	-	-
2472	18.960	18.960	-	-	-

Table 53 - 99% Bandwidth Results



FCC 47 CFR Part 15, Limit Clause 15.247(a)(2) and ISSED RSS-247, Clause 6.3.1

The minimum 6 dB Bandwidth shall be at least 500 kHz.

2.2.7 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
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
MXA Signal Analyzer	Keysight Technologies	N9020B	6416	24	07-May-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6518	12	23-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6529	12	13-Mar-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6530	12	23-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6531	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6587	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6588	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6589	12	23-Feb-2026
AC Programmable Power Supply	iTech	IT7324	6662	-	O/P Mon
DC Power Module	Keysight Technologies	N6754A	6663	-	O/P Mon
Modular Power System Mainframe	Keysight Technologies	N6701C	6664	-	O/P Mon
Multimeter	Fluke	115	7115	12	13-Aug-2026

Table 54

O/P Mon - Output Monitored using calibrated equipment



2.3 Maximum Conducted Output Power

2.3.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (b)
ISED RSS-247, Clause 6.3.2
ISED RSS-GEN, Clause 6.12

2.3.2 Equipment Under Test and Modification State

A3428, S/N: G9F4Y6NJ31 - Modification State 0
A3428, S/N: DJQ7J7L5JK - Modification State 0

2.3.3 Date of Test

17-December-2025 to 27-January-2026

2.3.4 Test Method

The test was performed in accordance with ANSI C63.10 clause 11.9.2.3.2 Method AVGPM-G.

SISO conducted powers and antenna gains on individual ports differ, resulting in differences in the EIRP per core.

MIMO output port summing was performed in accordance with KDB 662911 D01.

For the CDD results the directional gain was calculated using clause F)2)f)(ii) required for CDD with unequal antenna gains with equal transmit powers. The first F)2)f)(ii) option was taken to calculate using the equation from clause F)2)f)(i) for equal antenna gains but using the highest individual gain. Since the EUT is an 802.11 device with NANTS < 4, this resulted in a total directional gain of the highest individual antenna gain plus an array gain of zero. This resulted in the formula reducing to:

CDD Directional Gain = Highest of the two individual gains

SDM uses 2 uncorrelated spatial streams. For SDM modes Directional Gain was hence calculated in accordance with clause F)2)d)(ii) for completely uncorrelated signals with unequal antenna gains and equal transmit powers. The formula therefore reduced to:

$SDM \text{ Directional Gain} = 10 \cdot \log((10^{(G1/10)} + 10^{(G2/10)})/2)$

TxBF uses 1 spatial stream over 2 transmit cores. Therefore the signal was correlated and the gain was calculated in accordance with clause F)2)d)(i) for correlated signals with unequal antenna gains and equal transmit powers. The formula reduces to:

$TxBF \text{ Directional Gain} = 10 \cdot \log((10^{(G1/20)} + 10^{(G2/20)})^{2/2})$

These result in the following gain calculation for output power:

Frequency Range (MHz)	Core 0 Peak Gain (dBi)	Core 1 Peak Gain (dBi)	CDD Directional Gain (Wideband) (dBi)	SDM Gain (dBi)	TxBF Gain (dBi)
2400 to 2480	5.8	2.2	5.80	4.36	7.20

Table 55 – Peak Antenna Gains (Power)



2.3.5 Environmental Conditions

Ambient Temperature	24.4 - 25.3 °C
Relative Humidity	36.8 - 40.5 %

2.3.6 Test Results

2.4 GHz WLAN

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11b	Duty Cycle (%):	98.6
Data Rate:	1 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	18.81	-	-	-	18.81	30.00	-11.19
2442	18.99	-	-	-	18.99	30.00	-11.01
2472	13.78	-	-	-	13.78	30.00	-16.22

Table 56 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	18.81	-	-	-	18.81	30.00	-11.19	24.61	36.00	-11.39
2442	18.99	-	-	-	18.99	30.00	-11.01	24.79	36.00	-11.21
2472	13.78	-	-	-	13.78	30.00	-16.22	19.58	36.00	-16.42

Table 57 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	99.0
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	17.36	-	-	-	17.36	30.00	-12.64
2442	21.89	-	-	-	21.89	30.00	-8.11
2472	8.79	-	-	-	8.79	30.00	-21.21

Table 58 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	17.36	-	-	-	17.36	30.00	-12.64	23.16	36.00	-12.84
2442	21.89	-	-	-	21.89	30.00	-8.11	27.69	36.00	-8.31
2472	8.79	-	-	-	8.79	30.00	-21.21	14.59	36.00	-21.41

Table 59 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	16.02	-	-	-	16.02	30.00	-13.98
2442	21.55	-	-	-	21.55	30.00	-8.45
2472	8.31	-	-	-	8.31	30.00	-21.69

Table 60 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	16.02	-	-	-	16.02	30.00	-13.98	21.82	36.00	-14.18
2442	21.55	-	-	-	21.55	30.00	-8.45	27.35	36.00	-8.65
2472	8.31	-	-	-	8.31	30.00	-21.69	14.11	36.00	-21.89

Table 61 - ISD Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	15.72	-	-	-	15.72	30.00	-14.28
2432	21.84	-	-	-	21.84	30.00	-8.16
2442	21.62	-	-	-	21.62	30.00	-8.38
2472	4.83	-	-	-	4.83	30.00	-25.17

Table 62 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	15.72	-	-	-	15.72	30.00	-14.28	21.52	36.00	-14.48
2432	21.84	-	-	-	21.84	30.00	-8.16	27.64	36.00	-8.36
2442	21.62	-	-	-	21.62	30.00	-8.38	27.42	36.00	-8.58
2472	4.83	-	-	-	4.83	30.00	-25.17	10.63	36.00	-25.37

Table 63 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU26.0)	12.72	-	-	-	12.72	30.00	-17.28
2442 (RU26.0)	12.87	-	-	-	12.87	30.00	-17.13
2472 (RU26.8)	-5.43	-	-	-	-5.43	30.00	-35.43

Table 64 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU26.0)	12.72	-	-	-	12.72	30.00	-17.28	18.52	36.00	-17.48
2442 (RU26.0)	12.87	-	-	-	12.87	30.00	-17.13	18.67	36.00	-17.33
2472 (RU26.8)	-5.43	-	-	-	-5.43	30.00	-35.43	0.37	36.00	-35.63

Table 65 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.9
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU52.37)	15.95	-	-	-	15.95	30.00	-14.05
2442 (RU52.37)	15.68	-	-	-	15.68	30.00	-14.32
2472 (RU52.40)	-2.30	-	-	-	-2.30	30.00	-32.30

Table 66 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU52.37)	15.95	-	-	-	15.95	30.00	-14.05	21.75	36.00	-14.25
2442 (RU52.37)	15.68	-	-	-	15.68	30.00	-14.32	21.48	36.00	-14.52
2472 (RU52.40)	-2.30	-	-	-	-2.30	30.00	-32.30	3.50	36.00	-32.50

Table 67 - ISD Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.9
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU106.53)	16.97	-	-	-	16.97	30.00	-13.03
2442 (RU106.53)	18.96	-	-	-	18.96	30.00	-11.04
2472 (RU106.54)	-0.33	-	-	-	-0.33	30.00	-30.33

Table 68 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU106.53)	16.97	-	-	-	16.97	30.00	-13.03	22.77	36.00	-13.23
2442 (RU106.53)	18.96	-	-	-	18.96	30.00	-11.04	24.76	36.00	-11.24
2472 (RU106.54)	-0.33	-	-	-	-0.33	30.00	-30.33	5.47	36.00	-30.53

Table 69 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	17.31	-	-	-	17.31	30.00	-12.69
2442 (RU Size 52 + RU Size 26.70)	17.49	-	-	-	17.49	30.00	-12.51
2472 (RU Size 52 + RU Size 26.72)	-1.40	-	-	-	-1.40	30.00	-31.40

Table 70 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 52 + RU Size 26.70)	17.31	-	-	-	17.31	30.00	-12.69	23.11	36.00	-12.89
2442 (RU Size 52 + RU Size 26.70)	17.49	-	-	-	17.49	30.00	-12.51	23.29	36.00	-12.71
2472 (RU Size 52 + RU Size 26.72)	-1.40	-	-	-	-1.40	30.00	-31.40	4.40	36.00	-31.60

Table 71 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	16.79	-	-	-	16.79	30.00	-13.21
2442 (RU Size 106 + RU Size 26.82)	19.24	-	-	-	19.24	30.00	-10.76
2472 (RU Size 106 + RU Size 26.83)	-0.25	-	-	-	-0.25	30.00	-30.25

Table 72 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 106 + RU Size 26.82)	16.79	-	-	-	16.79	30.00	-13.21	22.59	36.00	-13.41
2442 (RU Size 106 + RU Size 26.82)	19.24	-	-	-	19.24	30.00	-10.76	25.04	36.00	-10.96
2472 (RU Size 106 + RU Size 26.83)	-0.25	-	-	-	-0.25	30.00	-30.25	5.55	36.00	-30.45

Table 73 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11b	Duty Cycle (%):	97.7
Data Rate:	1 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	-	18.91	-	-	18.91	30.00	-11.09
2442	-	18.96	-	-	18.96	30.00	-11.04
2472	-	15.92	-	-	15.92	30.00	-14.08

Table 74 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	-	18.91	-	-	18.91	30.00	-11.09	21.11	36.00	-14.89
2442	-	18.96	-	-	18.96	30.00	-11.04	21.16	36.00	-14.84
2472	-	15.92	-	-	15.92	30.00	-14.08	18.12	36.00	-17.88

Table 75 - ISD Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	99.0
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	-	17.33	-	-	17.33	30.00	-12.67
2442	-	21.71	-	-	21.71	30.00	-8.29
2472	-	8.72	-	-	8.72	30.00	-21.28

Table 76 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	-	17.33	-	-	17.33	30.00	-12.67	19.53	36.00	-16.47
2442	-	21.71	-	-	21.71	30.00	-8.29	23.91	36.00	-12.09
2472	-	8.72	-	-	8.72	30.00	-21.28	10.92	36.00	-25.08

Table 77 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	-	16.05	-	-	16.05	30.00	-13.95
2442	-	21.68	-	-	21.68	30.00	-8.32
2472	-	8.13	-	-	8.13	30.00	-21.87

Table 78 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	-	16.05	-	-	16.05	30.00	-13.95	18.25	36.00	-17.75
2442	-	21.68	-	-	21.68	30.00	-8.32	23.88	36.00	-12.12
2472	-	8.13	-	-	8.13	30.00	-21.87	10.33	36.00	-25.67

Table 79 - ISD Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	-	15.74	-	-	15.74	30.00	-14.26
2442	-	21.68	-	-	21.68	30.00	-8.32
2472	-	7.67	-	-	7.67	30.00	-22.33

Table 80 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	-	15.74	-	-	15.74	30.00	-14.26	17.94	36.00	-18.06
2442	-	21.68	-	-	21.68	30.00	-8.32	23.88	36.00	-12.12
2472	-	7.67	-	-	7.67	30.00	-22.33	9.87	36.00	-26.13

Table 81 - ISD Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU26.0)	-	12.80	-	-	12.80	30.00	-17.20
2442 (RU26.0)	-	12.87	-	-	12.87	30.00	-17.13
2472 (RU26.8)	-	-5.37	-	-	-5.37	30.00	-35.37

Table 82 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU26.0)	-	12.80	-	-	12.80	30.00	-17.20	15.00	36.00	-21.00
2442 (RU26.0)	-	12.87	-	-	12.87	30.00	-17.13	15.07	36.00	-20.93
2472 (RU26.8)	-	-5.37	-	-	-5.37	30.00	-35.37	-3.17	36.00	-39.17

Table 83 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU52.37)	-	15.69	-	-	15.69	30.00	-14.31
2442 (RU52.37)	-	15.63	-	-	15.63	30.00	-14.37
2472 (RU52.40)	-	-2.27	-	-	-2.27	30.00	-32.27

Table 84 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU52.37)	-	15.69	-	-	15.69	30.00	-14.31	17.89	36.00	-18.11
2442 (RU52.37)	-	15.63	-	-	15.63	30.00	-14.37	17.83	36.00	-18.17
2472 (RU52.40)	-	-2.27	-	-	-2.27	30.00	-32.27	-0.07	36.00	-36.07

Table 85 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU106.53)	-	16.84	-	-	16.84	30.00	-13.16
2442 (RU106.53)	-	18.77	-	-	18.77	30.00	-11.23
2472 (RU106.54)	-	-0.35	-	-	-0.35	30.00	-30.35

Table 86 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU106.53)	-	16.84	-	-	16.84	30.00	-13.16	19.04	36.00	-16.96
2442 (RU106.53)	-	18.77	-	-	18.77	30.00	-11.23	20.97	36.00	-15.03
2472 (RU106.54)	-	-0.35	-	-	-0.35	30.00	-30.35	1.85	36.00	-34.15

Table 87 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	-	17.23	-	-	17.23	30.00	-12.77
2442 (RU Size 52 + RU Size 26.70)	-	17.34	-	-	17.34	30.00	-12.66
2472 (RU Size 52 + RU Size 26.72)	-	-0.91	-	-	-0.91	30.00	-30.91

Table 88 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 52 + RU Size 26.70)	-	17.23	-	-	17.23	30.00	-12.77	19.43	36.00	-16.57
2442 (RU Size 52 + RU Size 26.70)	-	17.34	-	-	17.34	30.00	-12.66	19.54	36.00	-16.46
2472 (RU Size 52 + RU Size 26.72)	-	-0.91	-	-	-0.91	30.00	-30.91	1.29	36.00	-34.71

Table 89 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	2.20
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	-	16.77	-	-	16.77	30.00	-13.23
2442 (RU Size 106 + RU Size 26.82)	-	19.19	-	-	19.19	30.00	-10.81
2472 (RU Size 106 + RU Size 26.83)	-	-0.29	-	-	-0.29	30.00	-30.29

Table 90 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 106 + RU Size 26.82)	-	16.77	-	-	16.77	30.00	-13.23	18.97	36.00	-17.03
2442 (RU Size 106 + RU Size 26.82)	-	19.19	-	-	19.19	30.00	-10.81	21.39	36.00	-14.61
2472 (RU Size 106 + RU Size 26.83)	-	-0.29	-	-	-0.29	30.00	-30.29	1.91	36.00	-34.09

Table 91 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11g	Duty Cycle (%):	99.0
Data Rate:	12 Mbps	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	14.83	14.79	-	-	17.82	30.00	-12.18
2427	21.92	21.84	-	-	24.89	30.00	-5.11
2442	21.61	21.47	-	-	24.55	30.00	-5.45
2472	6.77	6.63	-	-	9.71	30.00	-20.29

Table 92 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	14.83	14.79	-	-	17.82	30.00	-12.18	23.62	36.00	-12.38
2427	21.92	21.84	-	-	24.89	30.00	-5.11	30.69	36.00	-5.31
2442	21.61	21.47	-	-	24.55	30.00	-5.45	30.35	36.00	-5.65
2472	6.77	6.63	-	-	9.71	30.00	-20.29	15.51	36.00	-20.49

Table 93 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	14.77	14.74	-	-	17.76	30.00	-12.24
2432	21.86	21.84	-	-	24.86	30.00	-5.14
2442	20.74	20.51	-	-	23.63	30.00	-6.37
2472	5.98	5.83	-	-	8.91	30.00	-21.09

Table 94 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	14.77	14.74	-	-	17.76	30.00	-12.24	23.56	36.00	-12.44
2432	21.86	21.84	-	-	24.86	30.00	-5.14	30.66	36.00	-5.34
2442	20.74	20.51	-	-	23.63	30.00	-6.37	29.43	36.00	-6.57
2472	5.98	5.83	-	-	8.91	30.00	-21.09	14.71	36.00	-21.29

Table 95 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	13.97	13.92	-	-	16.96	30.00	-13.04
2437	21.80	21.73	-	-	24.77	30.00	-5.23
2442	20.22	20.20	-	-	23.22	30.00	-6.78
2472	3.91	3.76	-	-	6.85	30.00	-23.15

Table 96 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	13.97	13.92	-	-	16.96	30.00	-13.04	22.76	36.00	-13.24
2437	21.80	21.73	-	-	24.77	30.00	-5.23	30.57	36.00	-5.43
2442	20.22	20.20	-	-	23.22	30.00	-6.78	29.02	36.00	-6.98
2472	3.91	3.76	-	-	6.85	30.00	-23.15	12.65	36.00	-23.35

Table 97 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU26.0)	12.60	12.13	-	-	15.38	30.00	-14.62
2442 (RU26.0)	12.81	12.54	-	-	15.69	30.00	-14.31
2472 (RU26.8)	-8.45	-8.33	-	-	-5.38	30.00	-35.38

Table 98 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU26.0)	12.60	12.13	-	-	15.38	30.00	-14.62	21.18	36.00	-14.82
2442 (RU26.0)	12.81	12.54	-	-	15.69	30.00	-14.31	21.49	36.00	-14.51
2472 (RU26.8)	-8.45	-8.33	-	-	-5.38	30.00	-35.38	0.42	36.00	-35.58

Table 99 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU52.37)	15.81	15.48	-	-	18.66	30.00	-11.34
2442 (RU52.37)	15.80	15.49	-	-	18.66	30.00	-11.34
2472 (RU52.40)	-6.40	-6.35	-	-	-3.37	30.00	-33.37

Table 100 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU52.37)	15.81	15.48	-	-	18.66	30.00	-11.34	24.46	36.00	-11.54
2442 (RU52.37)	15.80	15.49	-	-	18.66	30.00	-11.34	24.46	36.00	-11.54
2472 (RU52.40)	-6.40	-6.35	-	-	-3.37	30.00	-33.37	2.43	36.00	-33.57

Table 101 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU106.53)	15.90	15.67	-	-	18.80	30.00	-11.20
2442 (RU106.53)	18.57	18.40	-	-	21.49	30.00	-8.51
2472 (RU106.54)	-3.34	-3.39	-	-	-0.36	30.00	-30.36

Table 102 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU106.53)	15.90	15.67	-	-	18.80	30.00	-11.20	24.60	36.00	-11.40
2442 (RU106.53)	18.57	18.40	-	-	21.49	30.00	-8.51	27.29	36.00	-8.71
2472 (RU106.54)	-3.34	-3.39	-	-	-0.36	30.00	-30.36	5.44	36.00	-30.56

Table 103 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	15.72	15.53	-	-	18.64	30.00	-11.36
2442 (RU Size 52 + RU Size 26.70)	17.35	17.03	-	-	20.20	30.00	-9.80
2472 (RU Size 52 + RU Size 26.72)	-5.30	-5.33	-	-	-2.31	30.00	-32.31

Table 104 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 52 + RU Size 26.70)	15.72	15.53	-	-	18.64	30.00	-11.36	24.44	36.00	-11.56
2442 (RU Size 52 + RU Size 26.70)	17.35	17.03	-	-	20.20	30.00	-9.80	26.00	36.00	-10.00
2472 (RU Size 52 + RU Size 26.72)	-5.30	-5.33	-	-	-2.31	30.00	-32.31	3.49	36.00	-32.51

Table 105 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)f(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	MIMO CDD	Peak Antenna Gain (dBi):	5.80
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	15.71	15.55	-	-	18.64	30.00	-11.36
2442 (RU Size 106 + RU Size 26.82)	19.30	19.24	-	-	22.28	30.00	-7.72
2472 (RU Size 106 + RU Size 26.83)	-2.50	-2.53	-	-	0.49	30.00	-29.51

Table 106 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 106 + RU Size 26.82)	15.71	15.55	-	-	18.64	30.00	-11.36	24.44	36.00	-11.56
2442 (RU Size 106 + RU Size 26.82)	19.30	19.24	-	-	22.28	30.00	-7.72	28.08	36.00	-7.92
2472 (RU Size 106 + RU Size 26.83)	-2.50	-2.53	-	-	0.49	30.00	-29.51	6.29	36.00	-29.71

Table 107 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11n HT20	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS10	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	14.58	14.62	-	-	17.61	30.00	-12.39
2437	21.85	21.69	-	-	24.78	30.00	-5.22
2442	19.91	19.81	-	-	22.87	30.00	-7.13
2472	5.86	5.60	-	-	8.75	30.00	-21.25

Table 108 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	14.58	14.62	-	-	17.61	30.00	-12.39	21.97	36.00	-14.03
2437	21.85	21.69	-	-	24.78	30.00	-5.22	29.14	36.00	-6.86
2442	19.91	19.81	-	-	22.87	30.00	-7.13	27.24	36.00	-8.76
2472	5.86	5.60	-	-	8.75	30.00	-21.25	13.11	36.00	-22.89

Table 109 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	99.1
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	13.87	13.81	-	-	16.85	30.00	-13.15
2437	21.95	21.77	-	-	24.87	30.00	-5.13
2442	19.66	19.66	-	-	22.67	30.00	-7.33
2472	3.99	3.70	-	-	6.86	30.00	-23.14

Table 110 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	13.87	13.81	-	-	16.85	30.00	-13.15	21.21	36.00	-14.79
2437	21.95	21.77	-	-	24.87	30.00	-5.13	29.23	36.00	-6.77
2442	19.66	19.66	-	-	22.67	30.00	-7.33	27.03	36.00	-8.97
2472	3.99	3.70	-	-	6.86	30.00	-23.14	11.22	36.00	-24.78

Table 111 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 RU26	Duty Cycle (%):	98.9
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU26.0)	12.61	12.17	-	-	15.40	30.00	-14.60
2442 (RU26.0)	12.82	12.56	-	-	15.70	30.00	-14.30
2472 (RU26.8)	-7.62	-7.50	-	-	-4.55	30.00	-34.55

Table 112 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU26.0)	12.61	12.17	-	-	15.40	30.00	-14.60	19.77	36.00	-16.23
2442 (RU26.0)	12.82	12.56	-	-	15.70	30.00	-14.30	20.07	36.00	-15.93
2472 (RU26.8)	-7.62	-7.50	-	-	-4.55	30.00	-34.55	-0.19	36.00	-36.19

Table 113 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 RU52	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU52.37)	15.79	15.45	-	-	18.63	30.00	-11.37
2442 (RU52.37)	15.81	15.53	-	-	18.68	30.00	-11.32
2472 (RU52.40)	-5.56	-5.44	-	-	-2.49	30.00	-32.49

Table 114 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU52.37)	15.79	15.45	-	-	18.63	30.00	-11.37	22.99	36.00	-13.01
2442 (RU52.37)	15.81	15.53	-	-	18.68	30.00	-11.32	23.05	36.00	-12.95
2472 (RU52.40)	-5.56	-5.44	-	-	-2.49	30.00	-32.49	1.87	36.00	-34.13

Table 115 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 RU106	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU106.53)	15.88	15.70	-	-	18.80	30.00	-11.20
2442 (RU106.53)	18.60	18.36	-	-	21.49	30.00	-8.51
2472 (RU106.54)	-2.27	-2.29	-	-	0.73	30.00	-29.27

Table 116 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU106.53)	15.88	15.70	-	-	18.80	30.00	-11.20	23.17	36.00	-12.83
2442 (RU106.53)	18.60	18.36	-	-	21.49	30.00	-8.51	25.86	36.00	-10.14
2472 (RU106.54)	-2.27	-2.29	-	-	0.73	30.00	-29.27	5.09	36.00	-30.91

Table 117 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 52 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 52 + RU Size 26.70)	15.74	15.51	-	-	18.64	30.00	-11.36
2442 (RU Size 52 + RU Size 26.70)	17.40	17.09	-	-	20.26	30.00	-9.74
2472 (RU Size 52 + RU Size 26.72)	-5.48	-5.46	-	-	-2.46	30.00	-32.46

Table 118 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 52 + RU Size 26.70)	15.74	15.51	-	-	18.64	30.00	-11.36	23.00	36.00	-13.00
2442 (RU Size 52 + RU Size 26.70)	17.40	17.09	-	-	20.26	30.00	-9.74	24.62	36.00	-11.38
2472 (RU Size 52 + RU Size 26.72)	-5.48	-5.46	-	-	-2.46	30.00	-32.46	1.90	36.00	-34.10

Table 119 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(ii), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11be EHT20 RU Size 106 + RU Size 26	Duty Cycle (%):	97.8
Modulation Coding Scheme:	MCS2x2	DCCF (dB):	-
Antenna Configuration:	MIMO SDM	Peak Antenna Gain (dBi):	4.36
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412 (RU Size 106 + RU Size 26.82)	15.68	15.54	-	-	18.62	30.00	-11.38
2442 (RU Size 106 + RU Size 26.82)	19.28	19.25	-	-	22.28	30.00	-7.72
2472 (RU Size 106 + RU Size 26.83)	-2.42	-2.44	-	-	0.58	30.00	-29.42

Table 120 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412 (RU Size 106 + RU Size 26.82)	15.68	15.54	-	-	18.62	30.00	-11.38	22.98	36.00	-13.02
2442 (RU Size 106 + RU Size 26.82)	19.28	19.25	-	-	22.28	30.00	-7.72	26.64	36.00	-9.36
2472 (RU Size 106 + RU Size 26.83)	-2.42	-2.44	-	-	0.58	30.00	-29.42	4.94	36.00	-31.06

Table 121 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ac VHT20	Duty Cycle (%):	99.0
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	7.20
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	13.38	13.25	-	-	16.32	28.80	-12.48
2437	20.43	20.38	-	-	23.42	28.80	-5.39
2442	19.87	19.76	-	-	22.83	28.80	-5.98
2472	5.79	5.67	-	-	8.74	28.80	-20.07

Table 122 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	13.38	13.25	-	-	16.32	30.00	-13.68	23.52	36.00	-12.48
2437	20.43	20.38	-	-	23.42	30.00	-6.58	30.61	36.00	-5.39
2442	19.87	19.76	-	-	22.83	30.00	-7.17	30.02	36.00	-5.98
2472	5.79	5.67	-	-	8.74	30.00	-21.26	15.93	36.00	-20.07

Table 123 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	662911 D01 v02r01 F)2)d)(i), 662911 D01 v02r01 E)1)		

DUT Configuration			
Mode:	802.11ax HE20 SU	Duty Cycle (%):	98.8
Modulation Coding Scheme:	MCS2x1	DCCF (dB):	-
Antenna Configuration:	TxBF	Peak Antenna Gain (dBi):	7.20
Active Port(s):	A+B (Core 0 + Core 1)	Active Chain(s):	0+1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2412	13.47	13.48	-	-	16.49	28.80	-12.32
2437	20.32	20.29	-	-	23.32	28.80	-5.49
2442	19.98	19.99	-	-	22.99	28.80	-5.81
2472	3.90	3.74	-	-	6.83	28.80	-21.97

Table 124 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2412	13.47	13.48	-	-	16.49	30.00	-13.51	23.68	36.00	-12.32
2437	20.32	20.29	-	-	23.32	30.00	-6.68	30.51	36.00	-5.49
2442	19.98	19.99	-	-	22.99	30.00	-7.01	30.19	36.00	-5.81
2472	3.90	3.74	-	-	6.83	30.00	-23.17	14.03	36.00	-21.97

Table 125 - ISED Maximum Conducted (average) Output Power Results



FCC 47 CFR Part 15, Limit Clause 15.247 (b)(3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt.

ISED RSS-247, Limit Clause 6.3.2

For DTSs employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1 W. The e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b) of the specification.

2.3.7 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
Humidity & Temperature meter	R.S Components	1364	6148	12	28-Aug-2026
MXA Signal Analyzer	Keysight Technologies	N9020B	6416	24	07-May-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6518	12	23-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6529	12	13-Mar-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6530	12	23-Feb-2026
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6531	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6587	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6588	12	23-Feb-2026
USB Wideband Power Sensor	Boonton	RTP5008	6589	12	23-Feb-2026
AC Programmable Power Supply	iTech	IT7324	6662	-	O/P Mon
DC Power Module	Keysight Technologies	N6754A	6663	-	O/P Mon
Modular Power System Mainframe	Keysight Technologies	N6701C	6664	-	O/P Mon
Multimeter	Fluke	115	7115	12	13-Aug-2026

Table 126

O/P Mon - Output Monitored using calibrated equipment



2.4 Authorised Band Edges

2.4.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (d)
ISED RSS-247, Clause 6.6

2.4.2 Equipment Under Test and Modification State

A3428, S/N: GT6RH79JJQ - Modification State 0
A3428, S/N: L61HW7H962 - Modification State 0

2.4.3 Date of Test

09-October-2025 to 11-November-2025

2.4.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.10.4.

2.4.5 Environmental Conditions

Ambient Temperature	22.3 - 27.8 °C
Relative Humidity	36.8 - 49.3 %

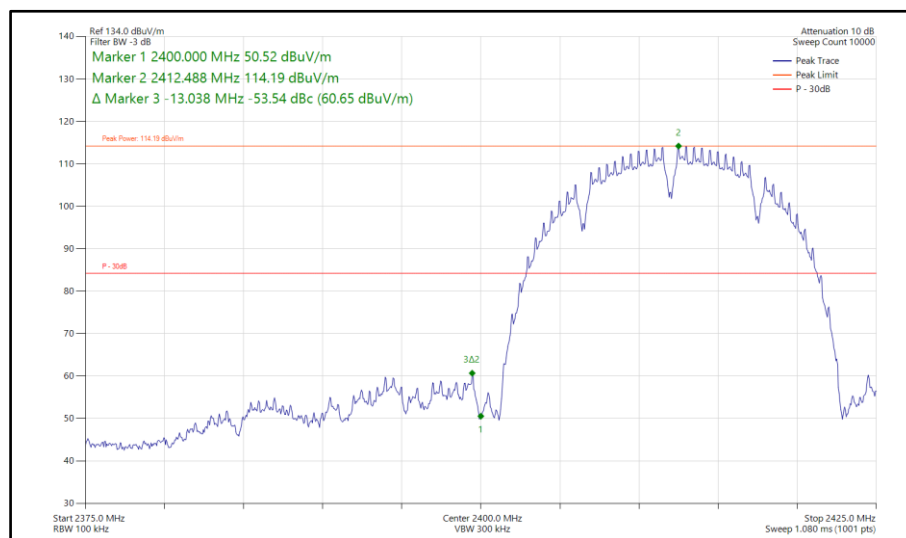
2.4.6 Test Results

2.4 GHz WLAN

20 MHz Bandwidth - Core 0 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11b	1 Mbps	-	-	2412	2400	-53.54
802.11g	54 Mbps	-	-	2412	2400	-35.94
802.11n HT20	MCS 7	-	-	2412	2400	-35.08
802.11ax HE20	MCS 4x1	SU	-	2412	2400	-38.11
802.11ax HE20	MCS 9x1	52	37	2412	2400	-36.83
802.11be EHT20	MCS 9x1	106+26	82	2412	2400	-38.74

Table 127 - SISO Authorised Band Edge Results



**Figure 114 - 802.11b, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz**

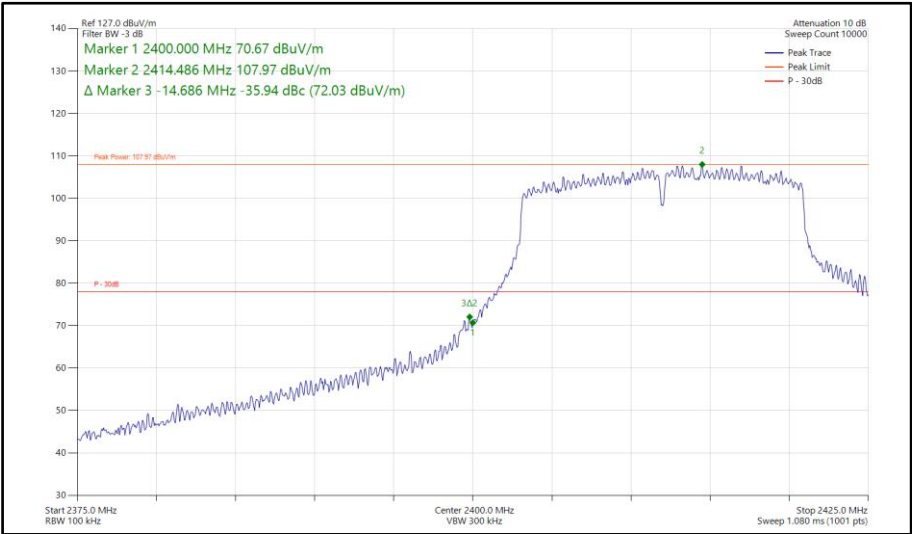


Figure 115 - 802.11g, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

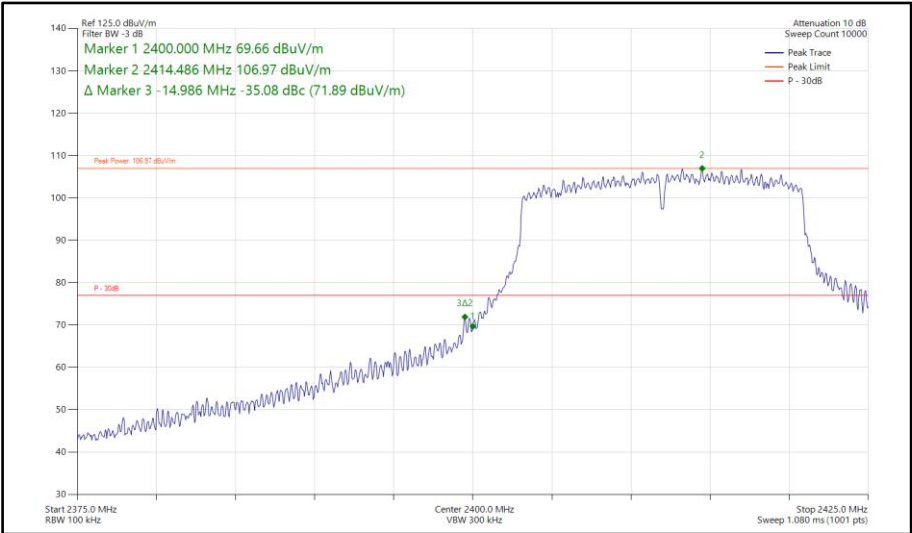


Figure 116 - 802.11n HT20, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

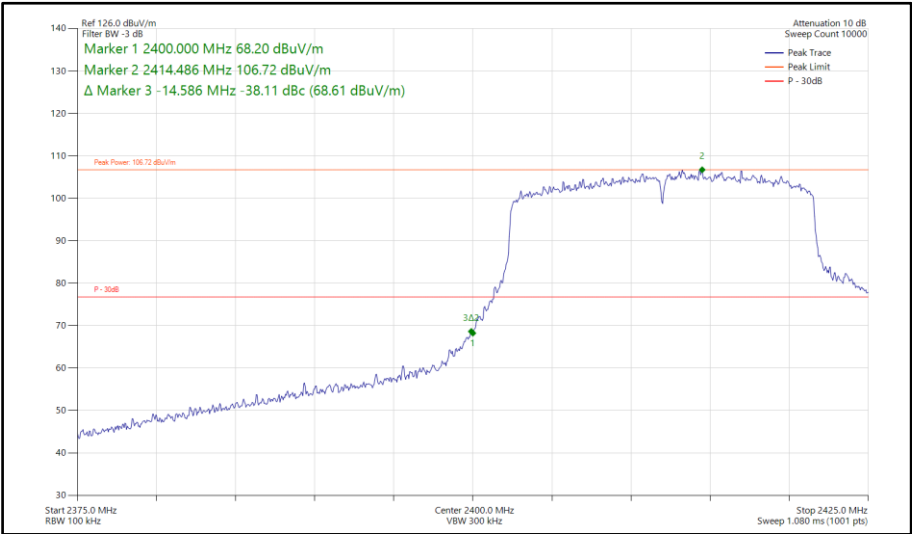


Figure 117 - 802.11ax HE20, SU, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

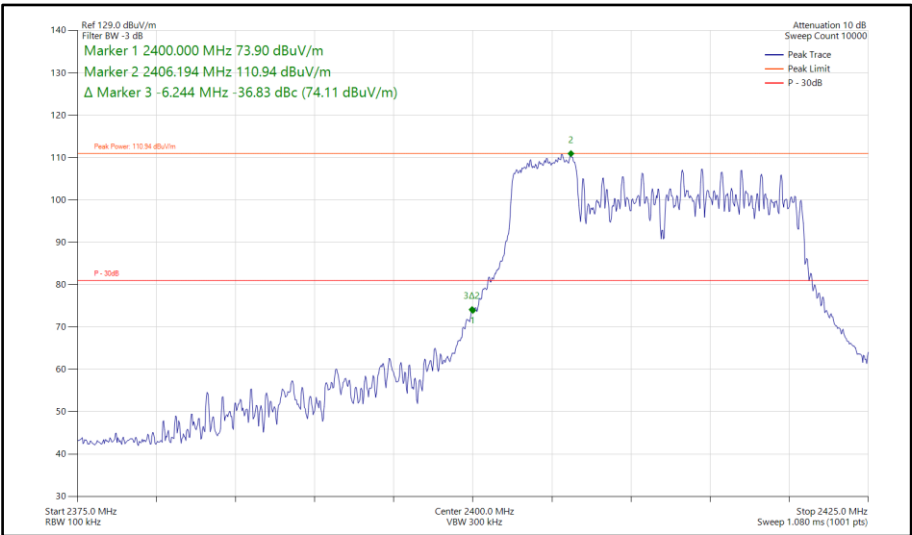
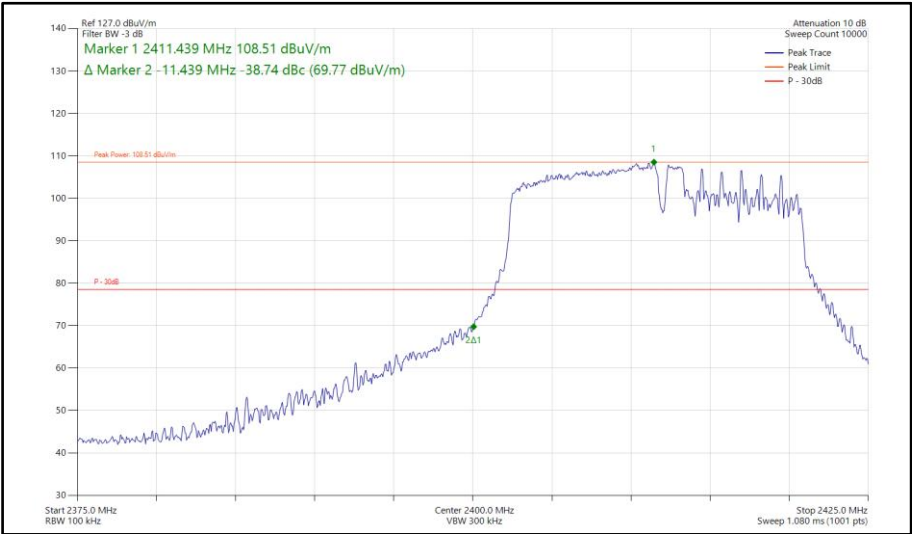


Figure 118 - 802.11ax HE20, RU 52-37, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz

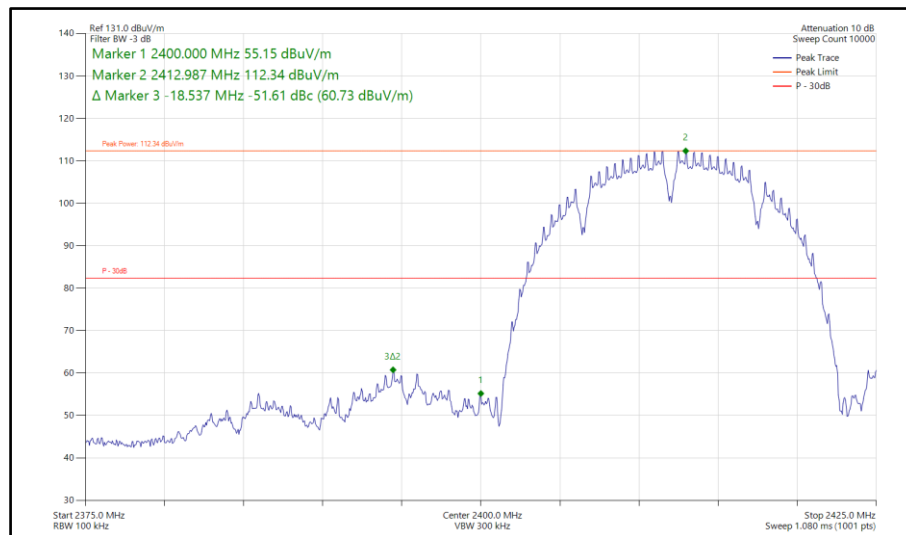


**Figure 119 - 802.11be EHT20, RU 106+26-82, SISO, Core 0 - 2412 MHz
Band Edge Frequency 2400 MHz**

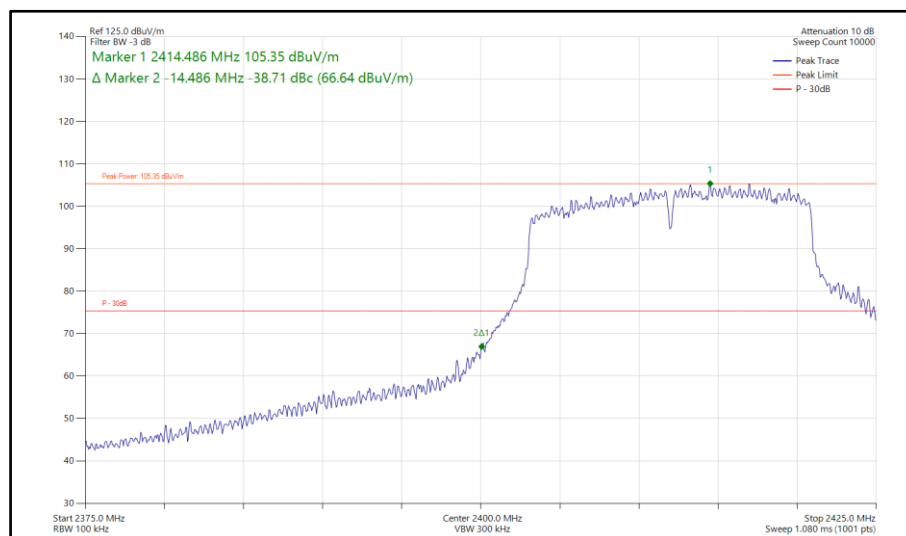
20 MHz Bandwidth - Core 1 (SISO)

Mode	Data Rate/ MCS	Resource Size	Resource Index	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
802.11b	1 Mbps	-	-	2412	2400	-51.61
802.11g	54 Mbps	-	-	2412	2400	-38.71
802.11n HT20	MCS 4	-	-	2412	2400	-39.14
802.11ax HE20	MCS 4x1	SU	-	2412	2400	-39.32
802.11ax HE20	MCS 9x1	26	0	2412	2400	-37.53
802.11be EHT20	MCS 9x1	106+26	82	2412	2400	-39.56

Table 128 - SISO Authorised Band Edge Results



**Figure 120 - 802.11b, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**



**Figure 121 - 802.11g, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**

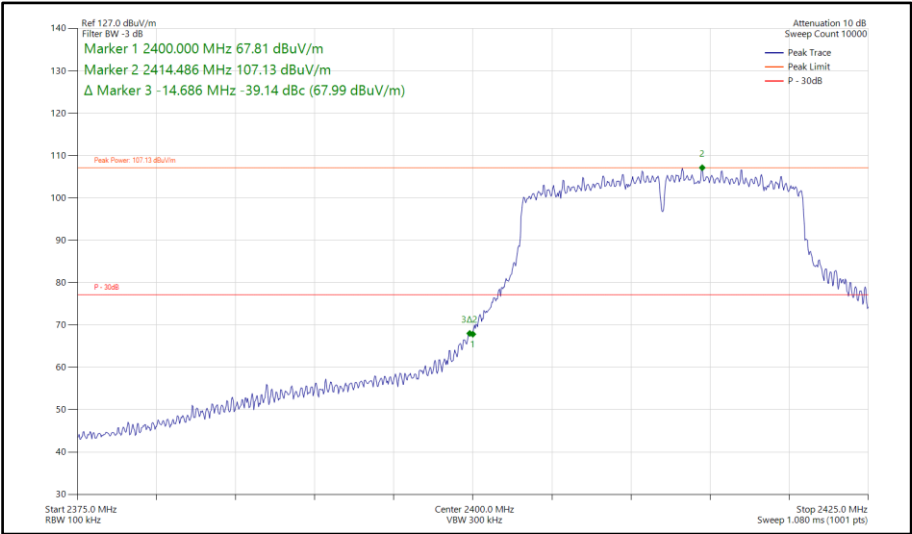


Figure 122 - 802.11n HT20, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz

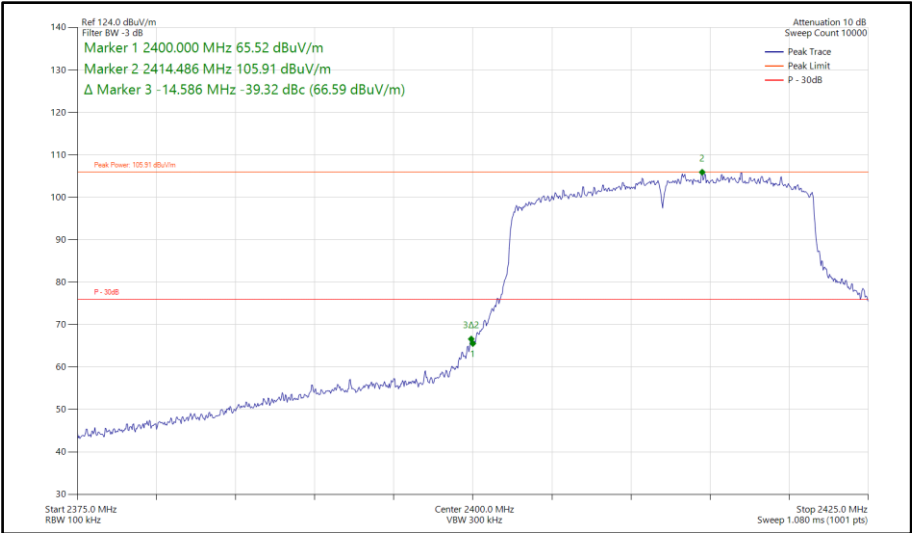
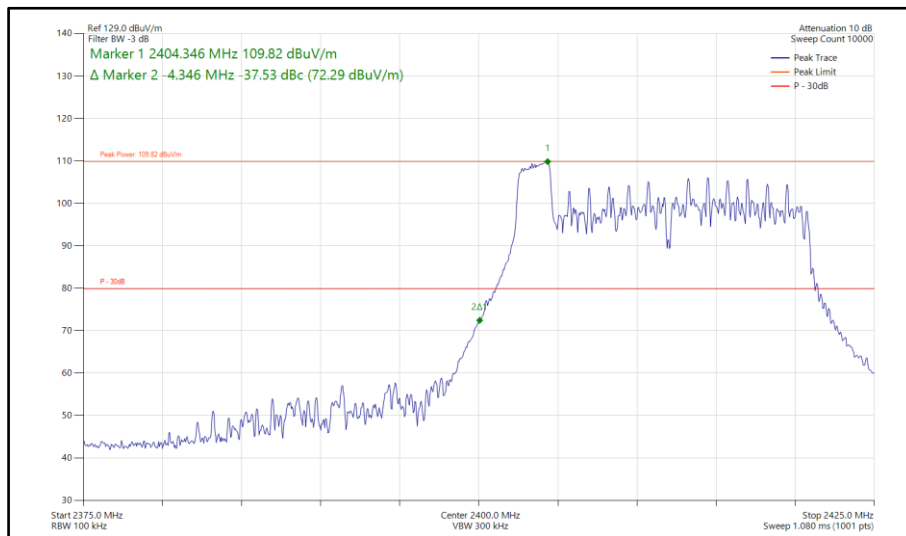
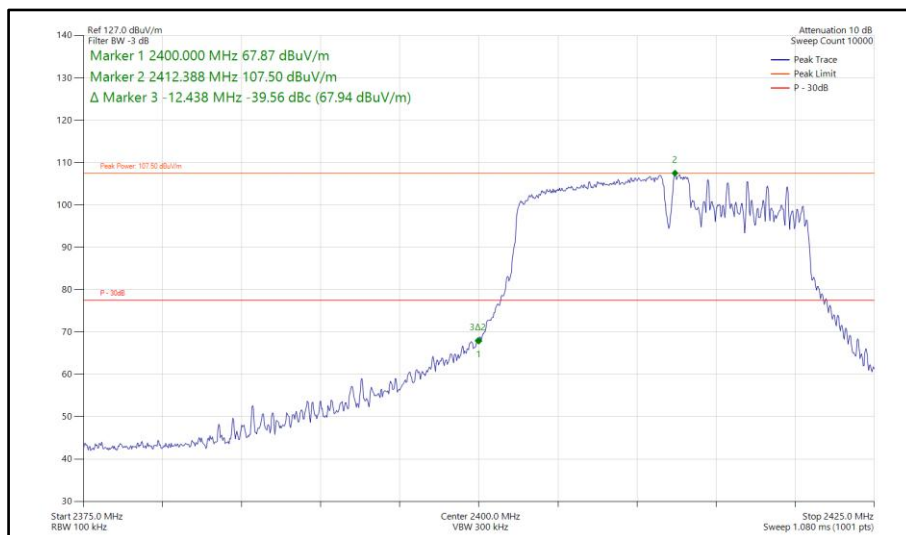


Figure 123 - 802.11ax HE20, SU, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz



**Figure 124 - 802.11ax HE20, RU 26-0, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**



**Figure 125 - 802.11be EHT20, RU 106+26-82, SISO, Core 1 - 2412 MHz
Band Edge Frequency 2400 MHz**