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Cepter Fred 515 000000	MHz	ALIGN AUTO 1 #Avg Type: RMS	1:31:40 AM Mar 28, 2025 TRACE 2 3 4 5	Frequency
	PNO: Fast +++ Trig: Free Run IFGain:High #Atten: 0 dB	Avg Hold: 30/30	TYPE MWWWW DET PPPPP	Auto T
Ref Offset 20.11 dE	3	Mk	r1 30.39 MHz -66.169 dBm	Auto Tune
Log				Center Free
-9.89				515.000000 MH
-19.9				
				Start Free
-29.9			-38.56 dBm	
-39.9				Stop Free
-49.9				1.00000000 GH:
				CF Ster
-59.9				97.000000 MH
-69.9			a ella title a ll'Adalem ter se alle	
.79.9	and possible properties and an interface from the properties of th	and the set of the set	la ite parte al la cilla state da catte	Freq Offse
				U H:
-89.9				
Start 30.0 MHz		S	top 1.0000 GHz	
#Res BW 100 kHz	#VBW 300 kHz	Sweep 94.00	) ms (30001 pts)	
MSG				
MSG	11N40MIMO-Ant1-2	STATUS 2437-30~1000-PASS		
MSG Agilent Spectrum Analyzer - Swept SA (M RL RF 50 Ω AC Center Freq 515.000000	11N40MIMO-Ant1-2	2437-30~1000-PASS ALIGN AUTO 1 #Avg Type: RMS	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 6	Frequency
MSG MSG Agilent Spectrum Analyzer - Swept SA MS RL RF 50 Ω AC Center Freq 515.000000	11N40MIMO-Ant1-2 SENSE:INT MHz PNO: Fast IFGain:High #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 1 #Avg Type: RMS Avg Hold: 30/30	1:47:56 AM Mar 28, 2025 TRACE 2 3 4 5 TYPE M WWWW DET P P P P P	Frequency
MSG Agilent Spectrum Analyzer - Swept SA NRL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dB D al Delay	11N40MIMO-Ant1-2 SENSE:INT MHz PNO: Fast →→ IFGain:High #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 1 #Avg Type: RMS Avg]Hold: 30/30	1:47:56 AM Mar 28, 2025 TRACE 2 2 4 5 5 TYPE MINIMUM DET P P P P P r1 30.03 MHz -68.062 dBm	Frequency
MSG Agilent Spectrum Analyzer - Swept SA (M RL RF 50 Ω AC Center Freq 515.000000 Ref Offset 20.13 dE 10 dB/div Ref 0.13 dBm	11N40MIMO-Ant1-2 SENSE:INT] MHz PNO: Fast → Trig: Free Run IFGain:High #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 1 #Avg Type: RMS Avg Hold: 30/30	1:47:56 4M Mar 28, 2025 TRACE ] 2 3 4 5 1 ТУРЕ МИЖИМ DET P P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune
MSG Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE 10 dB/div Ref 0.13 dBm 9.87	11N40MIMO-Ant1-2 SENSE:INT MHZ PNO: Fast ↔ Trig: Free Run IFGein:High 3	ALIGN AUTO J #Avg Type: RMS Avg Hold: 30/30	1:47:56 AM Mar 28, 2025 TRACE 2 3 4 5 6 TYPE MAXMAN DET P P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Freq 515.00000 MH;
MSG Agilent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dB 10 dB/div Ref 0.13 dBm	11N40MIMO-Ant1-2 SENSE:INT] MHz PNO: Fast → Trig: Free Run IFGain:High #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO I #Avg Type: RMS Avg Hold: 30/30	1:47:56 4M Mar 28, 2025 TRACE 1 2 3 4 3 5 Туре Министр DET P P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Free 515.000000 MH
MSG Agilent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE 0 dB/div Ref 0.13 dBm 9.87 -19.9	11N40MIMO-Ant1-2 SENSE:INT MHZ PNO: Fast ↔ Trig: Free Run IFGain:High 3	ALIGN AUTO	1:47:56 AM Mar 28, 2025 TRACE 2 3 4 5 6 TYPE MWWWW Det P P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Free 515.00000 MH3
MSG Agilent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE Ref 0.13 dBm -0.87 -19.9 -29.9	11N40MIMO-Ant1-2 SENSE:INT] MHz PNO: Fast → Trig: Free Run #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 11 #Avg Type: RMS Avg Hold: 30/30	1:47:56 4M Mar 28, 2025 ТКАСЕ ] 2 3 4 5 1 ТУРЕ DET P P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Free 515.000000 MHz Start Free 30.000000 MHz
MSG Agilent Spectrum Analyzer - Swept SA M RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE Ref 0.13 dBm -9.67 -19.9 -39.9	11N40MIMO-Ant1-2 SENSE:INT PNO: Fast → Trig: Free Run IFGain:High #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 1 #Avg Type: RMS Avg Hold: 30/30 MK	1:47:56 AM Mar 28, 2025 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Free 515.000000 MH2 Start Free 30.000000 MH2
MSG Agilent Spectrum Analyzer - Swept SA (M RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE Ref 0.13 dEm -0.87 -19.9 -3.97 -39.9 -39.9 -4.9 0 -4.9 0 -	11N40MIMO-Ant1-2 MHz PNO: Fast → Trig: Free Run #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 11 #Avg Type: RMS Avg Hold: 30/30	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 1 TYPE MWWWW DET P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Free 515.000000 MH2 Start Free 30.000000 MH2 Stop Free 1.000000000 GH2
MSG Agilent Spectrum Analyzer - Swept SA Q RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE 0 dB/div Ref 0.13 dBm -9.67 -19.9 -39.9 -49.9	11N40MIMO-Ant1-2 SENSE:INT PNO: Fast → Trig: Free Run #Atten: 0 dB	ALIGN AUTO	1:47:56 AM Mar 28, 2025 TRACE 12 3 4 5 6 TYPE MWWWW Det P P P P P P 68.062 dBm -38 61 dBm	Frequency Auto Tune Center Frec 515.000000 MH; Start Frec 30.000000 MH; Stop Frec 1.000000000 GH;
MSG MSG Agilent Spectrum Analyzer - Swept SA (M) RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE Ref 0.13 dEm -0.87 -9.87 -9.9 -9	11N40MIMO-Ant1-2 MHz PNO: Fast → Trig: Free Run #Atten: 0 dB	2437-30~1000-PASS ALIGN AUTO 11 #Avg Type: RMS Avg Hold: 30/30 MK	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 5 TYPE MWWWW DET P P P P P r1 30.03 MHz -68.062 dBm	Frequency Auto Tune Center Free 515.000000 MH2 Start Free 30.000000 MH2 Stop Free 1.000000000 GH2
MSG           MSG           R Agilent Spectrum Analyzer - Swept SA           R R         RF         S0 Ω         AC           Center Freq 515.0000000         Ref Offset 20.13 dE         Ref Offset 20.13 dE           0 dB/div         Ref Offset 20.13 dE         Ref 0.13 dBm           -9.67	11N40MIMO-Ant1-2 SENSE:INT MHZ PNO: Fast PNO: Fast Frig: Free Run #Atten: 0 dB 3 Atten: 0 dB 4 Atten: 0 dB 4 Atten: 0 dB 4 4 4 4 4 4 4 4 4	2437-30~1000-PASS ALIGN AUTO 1 #Avg Type: RMS Avg Hold: 30/30 MK	1:47:56 AM Mar 28, 2025 TRACE 12 3 4 5 6 TYPE MANNAUX DET P P P P P P r1 30.03 MHz -68.062 dBm -38 61 dBm	Frequency Auto Tune Center Frec 515.000000 MH; Start Frec 30.000000 GH; Stop Frec 1.000000000 GH; CF Step 97.00000 MH; Auto Mar
MSG MSG Agilent Spectrum Analyzer - Swept SA C RL RF 50 Ω AC Center Freq 515.0000000 Ref Offset 20.13 dE Ref Offset 20.13 dE Agilent Spectrum Analyzer - Swept SA Agilent Spect	11N40MIMO-Ant1-2         SENSE:INT         MHz       Trig: Free Run         IFGain:High       Trig: Free Run         #Atten: 0 dB       4         3       1         4       1	ALIGN AUTO	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 6 TYPE P P P P P r1 30.03 MHz -68.062 dBm -36 61 dBm	Frequency Auto Tune Center Frec 515.000000 MH2 Start Frec 30.0000000 MH2 Stop Frec 1.000000000 GH2 97.000000 MH2 Auto Mar
MSG         Ref         S0 Ω         Acceler           M R L         RF         S0 Ω         Acc           Center Freq 515.0000000         Ref Offset 20.13 dE         Acc           0 dB/div         Ref Offset 20.13 dE         Acc           9.67	11N40MIMO-Ant1-2 SENSE:INT PNO: Fast PNO: Fast Frig: Free Run #Atten: 0 dB 3 Atten: 0 dB Atten: 0 dB	ALIGN AUTO	1:47:56 AM Mar 28, 2025 TRACE 12 3 4 5 6 TYPE MANNAUX DET P P P P P P r1 30.03 MHz -68.062 dBm -38.61 dBm -38.61 dBm -38.61 dBm -38.61 dBm	Frequency Auto Tune Center Frec 515.000000 MH: 30.000000 MH: Stop Frec 1.000000000 GH: 97.000000 MH: Auto Mar Freq Offset 0 H:
MSG         MSG         MSG         MSG         MSG         MSG         Ref       S0 Ω         Agilent Spectrum Analyzer - Swept SA         Center Freq 515.0000000         Ref Offset 20.13 dE         Q       Ref Offset 20.13 dE         Log G       Ref 0.13 dBm         -9.87	11N40MIMO-Ant1-2         SENSE:INT         MHzz PNO: Fast IFGain:High       Trig: Free Run #Atten: 0 dB         3	status           2437-30~1000-PASS           ALIGN AUTO           #Avg Type: RMS           Avg Hold: 30/30	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 6 TYPE P P P P P P 1 30.03 MHz -68.062 dBm -36.61 dBm	Frequency Auto Tune Center Frec 515.000000 MH: Start Frec 30.0000000 MH: Stop Frec 1.000000000 GH: CF Step 97.000000 MH: Auto Mar Freq Offset 0 H:
MSG         Image: Agricult Spectrum Analyzer - Swept SA         CM       RL       RF       50 Ω       Acc         Center Freq 515.000000         Image: Agriculture of the strength of the streng	11N40MIMO-Ant1-2 SENSE:INT] MHz PNO: Fast PNO: Fast Frig: Free Run #Atten: 0 dB 3 4 4 4 4 4 4 4 4 4	ALIGN AUTO	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 1 TYPE DET P P P P P r1 30.03 MHz -68.062 dBm -38.51 dBm -38.51 dBm -38.51 dBm -38.51 dBm	Frequency Auto Tune Center Frec 515.000000 MH; Start Frec 30.0000000 GH; Stop Frec 1.000000000 GH; 97.000000 MH; Auto Mar Freq Offset 0 H;
MSG         MSG         MSG         MSG         MSG         Ref       Stop         Agilent Spectrum Analyzer - Swept SA         Center Freq 515.0000000         Ref Offset 20.13 dE         Od B/div       Ref Offset 20.13 dE         -9.67	11N40MIMO-Ant1-2         SENSE:INT         MHz       Trig: Free Run         IFGain:High       Trig: Free Run         #Atten: 0 dB       4         3       4         4       4	ALIGN AUTO	1:47:56 AM Mar 28, 2025 TRACE 1 2 3 4 5 6 TYPE P P P P P P P P P P P r1 30.03 MHz -68.062 dBm -35.61 dm -35.61 dm mapping with the to ( ) int action the provide of the provide top 1.0000 GHz ms (30001 pts)	Frequency Auto Tune Center Frec 515.000000 MH: 30.000000 MH: Stop Frec 1.000000000 GH: 97.000000 MH: Auto Mar Freq Offset 0 H:





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Center Freg 515 000000	MH7	#Avg Type: RMS	12:06:57 PM Mar 28, 2025 TRACE 1 2 3 4 5 6	Frequency
oontor 1109 515.000000	PNO: Fast Trig: Free Run	Avg Hold: 30/30	DET P P P P P	
	IFGain:High #Atten: V dB	M	kr1 30 03 MHz	Auto Tun
Ref Offset 20.17 dE 10 dB/div Ref 0.17 dBm	3		-63.266 dBm	
Log				
-9.83				Center Free
				515.00000 MH
-19.8				
				Start Free
-29.8				30.000000 MH.
-39.8			-36.81 dBm	
				1 00000000 GH
-49.8				1.0000000000
				CF Ster
-59.8				97.000000 MH
-69.8	the state of the s	the second state of the bullet of the second	hangahasilika belikadi sebas dela erera	Auto Mar
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-79,8				0 H
.89.8				
Start 30.0 MHz			Stop 1 0000 CH-	
#Res BW 100 kHz	#VBW 300 kHz	Sweep 94.	00 ms (30001 pts)	
MSG		STATUS		
		01A100		
	11N40MIMO-Ant1	-2452-30~1000-PAS	S	
🖉 Agilent Spectrum Analyzer - Swept SA	11N40MIMO-Ant1	-2452-30~1000-PAS	S	
Agilent Spectrum Analyzer - Swept SA     RL	11N40MIMO-Ant1	-2452-30~1000-PAS	01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5	Frequency
Magilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 515.000000	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast ↔ IFGain:High #Atten: 0 dB	-2452-30~1000-PAS ALIGN AUTO #Avg Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 1 2 3 4 9 TYPE M DET P P P P P P	Frequency
M Agilent Spectrum Analyzer - Swept SA C RL RF 50 Ω AC Center Freq 515.000000 Ref Offset 20.19 dB	11N40MIMO-Ant1 SENSE:IM MHZ PNO: Fast ↔ IFGain:High #Atten: 0 dB	-2452-30~1000-PAS ALIGN AUTO #Avg Type: RM S Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 3 TYPE M DET P P P P P kr1 30.00 MHz	Frequency
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dE           Ref Offset 20.19 dE         Ref 0.19 dBm	11N40MIMO-Ant1 SENSE:INI MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB	-2452-30~1000-PAS Aug Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 5 TYPE 0 DET P P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune
Agilent Spectrum Analyzer - Swept SA M RL RF 50.Ω AC Center Freq 515.000000 Ref Offset 20.19 dE 10 dB/div Ref 0.19 dBm Log	11N40MIMO-Ant1 SENSE:INT MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB	-2452-30~1000-PAS	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5 TYPE M DET P P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Freq
Agilent Spectrum Analyzer - Swept SA           RL         RF         S0 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dB         Ref 0.19 dBm           10 dB/div         Ref 0.19 dBm         -9 81         -9 81	11N40MIMO-Ant1 SENSE:INT MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB	-2452-30~1000-PAS	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5 1 TYPE MWWWW DET P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.00000 MH3
Agilent Spectrum Analyzer - Swept SA (M RL RF 50 Ω AC Center Freq 515.000000 Ref Offset 20.19 dB 10 dB/div Ref 0.19 dBm -9.81	11N40MIMO-Ant1 SENSE:IN MHZ PNO: Fast ↔ IFGain:High #Atten: 0 dB	-2452-30~1000-PAS Align Auto #Avg Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 TYPE N MAR 28 DET P P P P P kr1 30.000 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.000000 MH
R         Agilent Spectrum Analyzer - Swept SA           M         RE         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dE         B           10 dB/div         Ref 0.19 dBm         G           -9.81         -19.8         -19.8         -19.8	11N40MIMO-Ant1 SENSE:INT MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB	-2452-30~1000-PAS Avg Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 5 TYPE 0 DET P P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.00000 MH: Start Free
RL         RE         50 Ω         Ac           Center Freq 515.000000         Ref Offset 20.19 dE         B	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB 3	Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5 TYPE M DET P P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.000000 MH:
Agilent Spectrum Analyzer - Swept SA           R         RF         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dE         BM	11N40MIMO-Ant1 SENSE:INT MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB	-2452-30~1000-PAS	S 01:28:42 PM Mar 28, 2025 TRACE 23 4 3 TYPE M WWWWW DET P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.000000 MH Start Free 30.000000 MH
Agilent Spectrum Analyzer - Swept SA           CM         RL         RF         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dB         AC           0 dB/div         Ref 0.19 dB         AC           -9.81	11N40MIMO-Ant1 SENSE:IN MHZ PNO: Fast ↔ IFGain:High XAtten: 0 dB	-2452-30~1000-PAS Align Auto #Avg Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5 TYPE N MARY PP P DET P P P P P P Kr1 30.000 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.000000 MH Start Free 30.000000 MH
R         Agilent Spectrum Analyzer - Swept SA           M         RL         RE         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dE         B         B         B         B         C <thc< th="">         C         <thc< th="">         C<td>11N40MIMO-Ant1</td><td>-2452-30~1000-PAS AvgType: RMS AvgHold: 30/30</td><td>S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 5 TYPE NUMBER DET P P P P P P kr1 30.00 MHz -67.802 dBm</td><td>Frequency Auto Tune Center Free 515.000000 MH Start Free 30.000000 MH</td></thc<></thc<>	11N40MIMO-Ant1	-2452-30~1000-PAS AvgType: RMS AvgHold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 5 TYPE NUMBER DET P P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.000000 MH Start Free 30.000000 MH
Agilent Spectrum Analyzer - Swept SA           X         RE         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dE         B <td>11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB 3</td> <td>-2452-30~1000-PAS Aug Type: RMS Avg Hold: 30/30</td> <td>S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 TYPE 0 DET P P P P P P P kr1 30.00 MHz -67,802 dBm</td> <td>Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.000000 MH: Stop Free 1.000000000 GH:</td>	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB 3	-2452-30~1000-PAS Aug Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 02 3 4 5 TYPE 0 DET P P P P P P P kr1 30.00 MHz -67,802 dBm	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.000000 MH: Stop Free 1.000000000 GH:
Agilent Spectrum Analyzer - Swept SA           Agilent Spectrum Analyzer - Swept SA           Agilent Spectrum Analyzer - Swept SA           Ref         50 Ω         AC           Center Freq 515.000000         Ref Offset 20.19 dE         Galaxies           Ref Offset 20.19 dBm         Ref 0.19 dBm         Galaxies           -9.81	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast ↔ Trig: Free Run #Atten: 0 dB 3	-2452-30~1000-PAS AvgType: RMS AvgHold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5 TYPE M DET P P P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.000000 MH: Stop Free 1.000000000 GH:
Agilent Spectrum Analyzer - Swept SA           Agilent Spectrum Analyzer - Swept SA           R         RF         50 Ω         AC           Center Freq 515.000000           Ref Offset 20.19 dE           O dB/div         Ref 0.19 dBm           -9.81	11N40MIMO-Ant1 MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB 3	-2452-30~1000-PAS AvgiHoid: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 2 3 4 5 TYPE M ber P P P P P kr1 30.00 MHz -67.802 dBm	Frequency Frequency Auto Tune Center Free 515.000000 MH3 Start Free 30.000000 MH3 Stop Free 1.000000000 GH3 CF Step 97.000000 MH3 Auto Mar
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 515.0000000         Ref Offset 20.19 dE         Gamma         Gamma <th< td=""><td>11N40MIMO-Ant1 SENSE:INT MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB 3 3 3 3</td><td>-2452-30~1000-PAS</td><td>S 01:28:42 PM Mar 28, 2025 TRACE 02 34 5 5 TYPE NYPE NYPE P P P P P P kr1 30.00 MHz -67.802 dBm -36.03 dBm</td><td>Frequency           Auto Tune           Center Freq           515.000000 MH;           Start Freq           30.000000 MH;           Stop Freq           1.000000000 GH;           97.000000 MH;           Auto Mar</td></th<>	11N40MIMO-Ant1 SENSE:INT MHz PNO: Fast IFGain:High Trig: Free Run #Atten: 0 dB 3 3 3 3	-2452-30~1000-PAS	S 01:28:42 PM Mar 28, 2025 TRACE 02 34 5 5 TYPE NYPE NYPE P P P P P P kr1 30.00 MHz -67.802 dBm -36.03 dBm	Frequency           Auto Tune           Center Freq           515.000000 MH;           Start Freq           30.000000 MH;           Stop Freq           1.000000000 GH;           97.000000 MH;           Auto Mar
Ref         Offset 20.19 dE           10 dB/div         Ref         0.19 dBm           -9.81         -         -           -19.8         -         -           -39.8         -         -           -49.8         -         -           -19.8         -         -           -39.8         -         -           -49.8         -         -           -49.8         -         -           -19.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -39.8         -         -           -49.8         -         -           -39.8         -         -           -39.8         -         -           -         <	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast PNO: Fast Atten: 0 dB	ALIGN AUTO #Avg Type: RMS Avg Hold: 30/30	S 01:28:42 PM Mar 28, 2025 TRACE 02 34 5 5 TYPE NYMENT DET P P P P P P kr1 30.00 MHz -67.802 dBm -38.03 dBm -38.03 dBm	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.0000000 MH: Stop Free 1.000000000 GH: 97.00000 MH: Auto Mar
Rt         Ref         50 Ω         Ac           Center Freq 515.000000         Ref Offset 20.19 dE         S0 Ω         Ac           10 dB/div         Ref Offset 20.19 dE         Ref 0.19 dEm         Ref 0.19 dEm           -0 d1	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast PNO: Fast Trig: Free Run HGain:High	-2452-30~1000-PAS -2452-30~1000-PAS #Avg Type: RMS Avg Hold: 30/30 M 	S	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.0000000 MH: Stop Free 1.000000000 GH: 97.000000 MH: Auto Mar Freq Offse 0 H:
Ref         Superior         Swept SA           Ref         50 Q         Ac           Center Freq 515.000000         Ref Offset 20.19 dE           Ref Offset 20.19 dE         Ref Offset 20.19 dE           -0 dB/div         Ref 0.19 dBm           -9.01	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast PNO: Fast Trig: Free Run #Atten: 0 dB	-2452-30~1000-PAS	S	Frequency Auto Tune Center Freq 515.000000 MH: Start Freq 30.000000 MH: CF Step 97.000000 MH: Auto Mar Freq Offse 0 H:
Agilent Spectrum Analyzer - Swept SA           Agilent Spectrum Analyzer - Swept SA           Ref         50 Ω         AC           Center Freq 515.0000000         Ref Offset 20.19 dE         G           Image: Spectrum Analyzer - Swept SA         Spectrum Analyzer - Swept SA         AC           Image: Spectrum Analyzer - Swept SA         Ref Offset 20.19 dE         AC           Image: Spectrum Analyzer - Swept SA         Ref Offset 20.19 dE         AC           Image: Spectrum Analyzer - Swept SA         Ref Offset 20.19 dE         Image: Spectrum Analyzer - Swept SA           Image: Spectrum Analyzer - Swept SA         Image: Spectrum Analyzer - Swept SA         Image: Spectrum Analyzer - Swept SA           Image: Spectrum Analyzer - Swept SA         Image: Spectrum Analyzer - Swept SA         Image: Spectrum Analyzer - Swept SA           Image: Spectrum Analyzer - Swept SA         Image: Spectrum Analyzer - Swept SA         Image: Spectrum Analyzer - Swept SA           Image: Spectrum Analyzer - Swept Sa         Image: Spectrum Analyzer - Swept Sa         Image: Spectrum Analyzer - Swept Sa         Image: Spectrum Analyzer - Swept Sa           Image: Spectrum Analyzer - Swept Sa         Image: Swept Sa         Image: Swept Sa         Image: Swept Sa         Image: Swept Sa           Image: Swept Sa         Image: Swept Sa         Image: Swept Sa         Image: Swept Sa         Image: Swept Sa <td>11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast PNO: Fast Atten: 0 dB</td> <td>AvgiHold: 30/30</td> <td>S</td> <td>Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.000000 GH: Stop Free 1.000000000 GH: CF Step 97.000000 MH: Auto Mar Freq Offse 0 H:</td>	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast PNO: Fast Atten: 0 dB	AvgiHold: 30/30	S	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.000000 GH: Stop Free 1.000000000 GH: CF Step 97.000000 MH: Auto Mar Freq Offse 0 H:
Agilent Spectrum Analyzer - Swept SA         M       RL       RF       50 Ω       AC         Center Freq 515.000000         0       B/div       Ref Offset 20.19 dE         0       dB/div       Ref 0.19 dBm         0       B	11N40MIMO-Ant1 SENSE:IN MHz PNO: Fast PNO: Fast Atten: 0 dB	-2452-30~1000-PAS  -2452-30~1000-PAS  Avg Hold: 30/30  M  -4458-4vgHold: 30/30  M  -4458-4vgHold: 30/30  M  -4458-4vgHold: 30/30  M  -4458-4vgHold: 40/4vgHold: 4	S	Frequency Auto Tune Center Free 515.000000 MH Start Free 30.000000 GH 1.000000000 GH CF Step 97.000000 MH Auto Mar Freq Offse 0 H
M       Agilent Spectrum Analyzer - Swept SA         M       RL       PF       50 Ω       AC         Center Freq 515.000000         I       Ref Offset 20.19 dE         I       Ref Offset 20.19 dE         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -9.81       -         -19.8       -         -29.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8       -         -39.8	11N40MIMO-Ant1 SENSE:IN  MHz PNO: Fast PNO: Fast Atten: 0 dB  Atten: 0	-2452-30~1000-PAS	S 101:28:42 PM Mar 28, 2025 TRACE 12 3 4 5 5 TYPE MY 28 4 5 5 TYPE MY 28 4 5 5 TRACE 12 3 4 5 TRACE 12 5 TRACE 12 5 TRACE 12 5 TRACE 12 5 TRACE 12 5 TRAC	Frequency Auto Tune Center Free 515.000000 MH: Start Free 30.0000000 GH: Stop Free 1.000000000 GH: 97.000000 MH: Auto Mar Freq Offse 0 H:





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#### 8.6 RADIATED SPURIOUS EMISSION

#### 8.6.1 Applicable Standard

According to FCC Part 15.247(d),15.205, 15.209 and KDB 558074 D01 15.247 Meas Guidancev05r02 According to IC RSS-Gen and RSS-247

#### 8.6.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

According toFCC Part15.205the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

Restricted	Field Strength (µV/m)	Field Strength	Measurement
Frequency(MHz)		(dBµV/m)	Distance
0.009-0.490	2400/F(KHz)	20 log (uV/m)	300
0.490-1.705	24000/F(KHz)	20 log (uV/m)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

## 8.6.3 Test Configuration

Test according to clause 6.2 radio frequency test setup

## 8.6.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

For Above 1GHz:

The EUT was placed on a turn table which is 1.5m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz  $VBW \ge RBW$ Sweep = auto Detector function = peak

Trace = max hold

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For Below 1GHz: The EUT was placed on a turn table which is 0.8m above ground plane. Maximum procedure was performed on the highest emissions to ensure EUT compliance. Span = wide enough to fully capture the emission being measured RBW = 100 kHz for  $VBW \ge RBW$ Sweep = auto Detector function = peak Trace = max hold For Below 30MHz: The EUT was placed on a turn table which is 0.8m above ground plane. Maximum procedure was performed on the highest emissions to ensure EUT compliance. Span = wide enough to fully capture the emission being measured RBW = 9kHz $VBW \ge RBW$ Sweep = auto Detector function = peak Trace = max hold For Below 150KHz: The EUT was placed on a turn table which is 0.8m above ground plane. Maximum procedure was performed on the highest emissions to ensure EUT compliance. Span = wide enough to fully capture the emission being measured RBW = 200Hz  $VBW \ge RBW$ Sweep = auto Detector function = peak Trace = max hold

Follow the guidelines in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit. Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from 20log(dwell time/100 ms), in an effort to demonstrate compliance with the limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

#### 8.6.5 Test Results

Temperature:	25° C
Relative Humidity:	60%
ATM Pressure:	1011 mbar

■ Spurious Emission below 30MHz(9KHz to 30MHz)

Freq.	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
(IVIHZ)	H/V	PK È	ÁV	PK	AV	PK	AV

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor =40log(Specific distance/ test distance)( dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor



■ Spurious Emission Above 1GHz(1GHz to 25GHz)

All the antenna( Antenna 1&2 )and modes( 802.11b/g/n )have been tested and the worst( Antenna 1,802.11b) result recorded was report as below:

Test mode:	e: 802.11b Frequency: Channel 1: 2412MH					l 1: 2412MHz			
Freq.	Ant.Pol.	Emis Level(d	ssion IBuV/m) Limit 3m(d		Emission el(dBuV/m) Limit 3m(dBuV/m) Over		Limit 3m(dBuV/m)		(dB)
(1011 12)	H/V	PK	AV	PK	AV	PK	AV		
4824.37	V	49.30	45.55	74.00	54.00	24.70	8.45		
8413.12	V	58.72	40.40	74.00	54.00	15.28	13.60		
9905.62	V	62.41	39.97	74.00	54.00	11.59	14.03		
4822.5	Н	52.34	47.36	74.00	54.00	21.66	6.64		
7852.5	Н	55.99	35.13	74.00	54.00	18.01	18.87		
9916.87	Н	62.23	39.77	74.00	54.00	11.77	14.23		

Test mode: 802.11b

2.11b

Frequency: Cha

Channel 6: 2437MHz

Freq.	Ant.Pol. Emis		sion BuV/m) Limit 3m(		(dBuV/m)	Over(dB)	
(101112)	H/V	PK	AV	PK	AV	PK	AV
8340	V	56.25	40.70	74.00	54.00	17.75	13.30
9896.25	V	61.78	43.22	74.00	54.00	12.22	10.78
12600	V	62.55	45.06	74.00	54.00	11.45	8.94
4873.12	Н	49.08	42.10	74.00	54.00	24.92	11.90
9916.87	Н	62.37	42.33	74.00	54.00	11.63	11.67
12598.1	н	62.78	45.43	74.00	54.00	11.22	8.57

Test mode: 802.11b Frequency: Channel 11: 2462MHz

Freq.	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
4783.12	V	49.25	29.64	74.00	54.00	24.75	24.36
9903.75	V	62.11	43.05	74.00	54.00	11.89	10.95
12532.5	V	62.09	43.87	74.00	54.00	11.91	10.13
8446.87	Н	57.18	40.23	74.00	54.00	16.82	13.77
11383.1	Н	62.02	44.20	74.00	54.00	11.98	9.80
12596.2	Н	61.74	45.00	74.00	54.00	12.26	9.00

Note:

(1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).

(2) Emission Level= Reading Level+Correct Factor.

(3) Correct Factor= Ant\_F + Cab\_L - Preamp

(4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

All the antenna(Antenna 1&2) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:	mode: 802.11n(HT20) Frequency:		ency: (	Channel 1: 2412MHz		
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)	
2386.90	Н	49.68	74.00	37.58	54.00	
2389.92	V	47.49	74.00	37.82	54.00	

Test mode: 802.11n(H		T20) Freque	ency: C	hannel 11: 2462MH	Z
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2483.85	Н	49.35	74.00	38.08	54.00
2483.77	V	47.57	74.00	38.18	54.00

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).

(2) Emission Level= Reading Level+Correct Factor.

(3) Correct Factor= Ant\_F + Cab\_L - Preamp

(4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.















Spurious Emission below 1GHz (30MHz to 1GHz)
 All the antenna(Antenna 1&2) and modes(802.11b/g/n) have been tested and the worst(Antenna 1,802.11b) result recorded was report as below:



Suspe	Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity				
1	30	42.36	-18.80	23.56	PK	40.00	16.44	Vertical				
2	65.9259	42.31	-18.24	24.07	PK	40.00	15.93	Vertical				
3	239.729	46.08	-15.73	30.35	PK	46.00	15.65	Vertical				
4	523.253	48.44	-9.68	38.76	PK	46.00	7.24	Vertical				
5	829.109	35.70	-4.97	30.73	PK	46.00	15.27	Vertical				
6	897.077	36.74	-3.35	33.39	PK	46.00	12.61	Vertical				

Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]			
1	30	-18.80	23.26	40.00	16.74			
2	65.9259	-18.24	23.13	40.00	16.87			
3	239.7297	-15.73	29.77	46.00	16.23			
4	523.2533	-9.68	38.18	46.00	7.82			
5	829.1091	-4.97	29.98	46.00	16.02			
6	897.0771	-3.35	33.00	46.00	13.00			

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Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity	
1	202.832	46.48	-17.46	29.02	PK	43.50	14.48	Horizontal	
2	239.729	57.12	-15.73	41.39	PK	46.00	4.61	Horizontal	
3	378.578	47.60	-11.71	35.89	PK	46.00	10.11	Horizontal	
4	530.050	41.40	-9.54	31.86	PK	46.00	14.14	Horizontal	
5	822.312	38.96	-5.15	33.81	PK	46.00	12.19	Horizontal	
6	903.873	37.04	-3.25	33.79	PK	46.00	12.21	Horizontal	

Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]			
1	202.8328	-17.46	28.67	43.50	14.83			
2	239.7297	-15.73	41.04	46.00	4.96			
3	378.5786	-11.71	34.90	46.00	11.10			
4	530.0501	-9.54	31.23	46.00	14.77			
5	822.3123	-5.15	33.02	46.00	12.98			
6	903.8739	-3.25	33.00	46.00	13.00			





Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity	
1	30	41.25	-18.80	22.45	PK	40.00	17.55	Vertical	
2	65.9259	42.42	-18.24	24.18	PK	40.00	15.82	Vertical	
3	175.645	45.07	-18.79	26.28	PK	43.50	17.22	Vertical	
4	239.729	46.11	-15.73	30.38	PK	46.00	15.62	Vertical	
5	523.253	48.61	-9.68	38.93	PK	46.00	7.07	Vertical	
6	833.964	35.23	-4.83	30.40	PK	46.00	15.60	Vertical	

Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]			
1	30	-18.80	22.12	40.00	17.88			
2	65.9259	-18.24	23.21	40.00	16.79			
3	175.6456	-18.79	26.15	43.50	17.35			
4	239.7297	-15.73	29.61	46.00	16.39			
5	523.2533	-9.68	38.16	46.00	7.84			
6	833.964	-4.83	29.99	46.00	16.01			





Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity	
1	202.832	45.69	-17.46	28.23	PK	43.50	15.27	Horizontal	
2	239.729	56.03	-15.73	40.30	PK	46.00	5.70	Horizontal	
3	264.004	46.99	-15.71	31.28	PK	46.00	14.72	Horizontal	
4	373.723	48.02	-11.87	36.15	PK	46.00	9.85	Horizontal	
5	530.050	41.30	-9.54	31.76	PK	46.00	14.24	Horizontal	
6	822.312	38.82	-5.15	33.67	PK	46.00	12.33	Horizontal	

Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]			
1	202.8328	-17.46	28.17	43.50	15.33			
2	239.7297	-15.73	39.60	46.00	6.40			
3	264.004	-15.71	30.42	46.00	15.58			
4	373.7237	-11.87	35.65	46.00	10.35			
5	530.0501	-9.54	31.62	46.00	14.38			
6	822.3123	-5.15	33.53	46.00	12.47			





Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity	
1	65.9259	42.29	-18.24	24.05	PK	40.00	15.95	Vertical	
2	175.645	45.52	-18.79	26.73	PK	43.50	16.77	Vertical	
3	239.729	45.81	-15.73	30.08	PK	46.00	15.92	Vertical	
4	523.253	48.26	-9.68	38.58	PK	46.00	7.42	Vertical	
5	822.312	34.96	-5.15	29.81	PK	46.00	16.19	Vertical	
6	908.728	37.38	-3.20	34.18	PK	46.00	11.82	Vertical	

Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]			
1	65.9259	-18.24	23.30	40.00	16.70			
2	175.6456	-18.79	26.34	43.50	17.16			
3	239.7297	-15.73	29.53	46.00	16.47			
4	523.2533	-9.68	38.39	46.00	7.61			
5	822.3123	-5.15	29.62	46.00	16.38			
6	908.7287	-3.20	33.34	46.00	12.66			





Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity		
1	204.774	46.09	-17.35	28.74	PK	43.50	14.76	Horizontal		
2	239.729	55.84	-15.73	40.11	PK	46.00	5.89	Horizontal		
3	373.723	47.20	-11.87	35.33	PK	46.00	10.67	Horizontal		
4	530.050	41.86	-9.54	32.32	PK	46.00	13.68	Horizontal		
5	822.312	37.67	-5.15	32.52	PK	46.00	13.48	Horizontal		
6	897.077	36.13	-3.35	32.78	PK	46.00	13.22	Horizontal		

Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]			
1	204.7748	-17.35	27.80	43.50	15.70			
2	239.7297	-15.73	39.53	46.00	6.47			
3	373.7237	-11.87	35.10	46.00	10.90			
4	530.0501	-9.54	31.93	46.00	14.07			
5	822.3123	-5.15	32.49	46.00	13.51			
6	897.0771	-3.35	32.75	46.00	13.25			



### 8.7 CONDUCTED EMISSION TEST

#### 8.7.1 Applicable Standard

According to FCC Part 15.207(a) According to IC RSS-Gen 8.8

#### 8.7.2 Conformance Limit

Conducted Emission Limit						
Frequency(MHz)	Quasi-peak	Average				
0.15-0.5	66-56	56-46				
0.5-5.0	56	46				
5.0-30.0	60	50				

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 8.7.3 Test Configuration

Test according to clause 6.3conducted emission test setup

### 8.7.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane. Maximum procedure was performed on the highest emissions to ensure EUT compliance. Repeat above procedures until all frequency measured were complete.

#### 8.7.5 Test Results

Pass

The AC120V &240V voltage have been tested, and the worst result recorded was report as below:





						Power: AC 120V/60Hz				
Limit: (CE)FCC PART 15 class B_QP									Humidity:	55 %
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over				
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment		
1 *	0.1700	45.51	9.92	55.43	64.96	-9.53	QP			
2	0.1700	28.39	9.92	38.31	54.96	-16.65	AVG			
3	0.3100	38.90	9.92	48.82	59.97	-11.15	QP			
4	0.3100	20.73	9.92	30.65	49.97	-19.32	AVG			
5	0.8100	30.16	9.99	40.15	56.00	-15.85	QP			
6	0.8100	19.99	9.99	29.98	46.00	-16.02	AVG			
7	1.4980	28.90	10.03	38.93	56.00	-17.07	QP			
8	1.4980	20.68	10.03	30.71	46.00	-15.29	AVG			
9	2.3700	29.66	10.05	39.71	56.00	-16.29	QP			
10	2.3700	22.76	10.05	32.81	46.00	-13.19	AVG			
11	2.9180	29.33	10.05	39.38	56.00	-16.62	QP			
12	2.9180	19.24	10.05	29.29	46.00	-16.71	AVG			





								-			
Limit: (CE)FCC PART 15 class B_QP						Power: AC 120V/60Hz			Humidity:	55 %	
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over				
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment		
1	*	0.1580	48.52	9.93	58.45	65.57	-7.12	QP			
2		0.1580	31.30	9.93	41.23	55.57	-14.34	AVG			
3		0.3380	40.13	9.91	50.04	59.25	-9.21	QP			
4		0.3380	22.69	9.91	32.60	49.25	-16.65	AVG			
5		0.7740	31.93	9.98	41.91	56.00	-14.09	QP			
6		0.7740	20.70	9.98	30.68	46.00	-15.32	AVG			
7		1.5980	27.63	10.03	37.66	56.00	-18.34	QP			
8		1.5980	20.48	10.03	30.51	46.00	-15.49	AVG			
9		2.2740	28.98	10.05	39.03	56.00	-16.97	QP			
10		2.2740	22.70	10.05	32.75	46.00	-13.25	AVG			
11		3.1420	29.21	10.04	39.25	56.00	-16.75	QP			
12		3.1420	19.29	10.04	29.33	46.00	-16.67	AVG			



#### 8.8 ANTENNA APPLICATION

#### 8.8.1 Antenna Requirement Standard Requirement An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be FCC CRF Part15.203 considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. If transmitting antennas of directional gain greater than 6dBi are used, FCC 47 CFR Part 15,247 the power shall be reduced by the amount in dB that the directional gain (b) of the antenna exceeds 6dBi. The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each **RSS-Gen Section 6.8** antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list. If the transmitter employs an antenna system that emits multiple directional beams, but does not emit multiple directional beams simultaneously, the total output power conducted to the array or arrays that comprise the device (i.e. the sum of the power supplied to all antennas, antenna elements, staves, etc., and summed across all carriers or frequency channels) shall not exceed the applicable output RSS-247 Section 5.4 power limit. However, the total conducted output power shall be reduced by 1 dB below the specified limits for each 3 dB that the directional gain of the antenna/antenna array exceeds 6 dBi. The directional antenna gain shall be computed as the sum of 10 log (number of array elements or staves) plus the directional gain of the element or stave having the highest gain.

#### 8.8.2 Result

PASS.

- Note: Antenna use a permanently attached antenna which is not replaceable.
  - □ Not using a standard antenna jack or electrical connector for antenna replacement
  - □ The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached documentInternal Photos to show the antenna connector.

\*\*\* End of Report \*\*\*



# 9 APPENDIX PHOTOGRAPHS OF EUT

Please refer to the file of External Photo and Internal Photo.





# **10 APPENDIX PHOTOGRAPHS OF TEST SETUP**

Please refer to the file of Test Setup Photo.

