

I1120SISC_Ant1_2412         Interpretation of the state of the stat	
Center Freq 2.41200000 GHz We request by do Red Disk to Yamp Freq And Augholds to Yamp Freq Augholds to Yamp Freq And	
9.2918 dBm 9.2918 dBm Center Freq 24200000 GHz Freq Stop 4000 GHz Center Freq 24200000 Hz Center Z412 GHz Freq Style Center Z412 GHz Freq Style 400000 MHz Attac 17.406 MHz Transmit Freq Error 23.018 KHz X dB Bandwidth 20.00 MHz X dB Sandwidth Center Freq Z4300000 GHz Freq Style Style Center Freq Z4300000 GHz Freq Style Style Freq Style Style Center Freq Z4300000 GHz Freq Style	
Center Freq 24/200000 GHz Center 2.412 GHz #Res BW 430 KHz Center 2.412 GHz #Res BW 430 KHz Transmit Freq Error x dB Bandwidth Total Power 22.7 dBm 17.406 MHz Transmit Freq Error 23.018 kHz % of OBW Power 99.00 % x dB Bandwidth 20.00 MHz x dB - 26.00 dB The State	
Image: Center 2.412 GHz       #VBW 1.5 MHz       Span 40 MHz         General Center 2.412 GHz       #VBW 1.5 MHz       Sweep 1 ms         Max       #VBW 1.5 MHz       Sweep 1 ms         Occupied Bandwidth       Total Power       22.7 dBm         Transmit Freq Error       23.018 kHz       % of OBW Power       99.00 %         x dB Bandwidth       20.00 MHz       x dB       -26.00 dB         mic	
#Res BW 430 kHz     #VBW 1.5 MHz     Sweep 1 ms       Occupied Bandwidth     Total Power     22.7 dBm       17.406 MHz     Transmit Freq Error     23.018 kHz     % of OBW Power     99.00 %       x dB Bandwidth     20.00 MHz     x dB     -26.00 dB       wsc     status	
Occupied Bandwidth       Total Power       22.7 dBm         17.406 MHz       Transmit Freq Error       23.018 kHz       % of OBW Power       99.00 %         x dB Bandwidth       20.00 MHz       x dB       -26.00 dB       0 Hz         INTERCOMPTONE         Monore Seture         Monore Seture         Monore Seture         NET Solo Colspan="2">Seture         Center Freq 2.43700000 GHz         NET Solo Colspan="2">Seture         NET Solo Colspan= 2437000000 GHz         NET Solo Colspan= 2437000000 GHz         NET Solo Colspan= 2437000000 GHz         NET Solo Dot         Seture         NET Solo Dot         Seture         NET Solo Dot         Seture         Alten: 30 dB         NET Solo Dot         Setur	
Transmit Freq Error 23.018 kHz % of OBW Power 99.00 % x dB Bandwidth 20.00 MHz x dB -26.00 dB terms term	
Intraction defined by the second defined of the second defined of the second defined of the second defined defined of the second defined defined of the second defined	
IllN20SISO_Ant1_2437         Registerium Avalger-Occupied BW         Registerium Avalger-Occupied BW         Registerium Avalger-Occupied BW         Center Freq 2.437000000 GHz         Station 2000         NFE #FoamLow         Ref Offset 19.79 dB         Mkr1 2.43796 GHz         Center Freq 2.43700000 GHz         Ref Offset 19.79 dB         Mkr1 2.43796 GHz         Center Freq 2.43700000 GHz         Center Freq 2.43700000 GHz         Center Freq 2.43700000 GHz         Offset 19.79 dB         Mkr1 2.43796 GHz         Center Freq 2.43700000 GHz         Offset 19.79 dB         Mkr1 2.43796 GHz         Center Freq 2.43700000 GHz         Center Freq 2.43700000 GHz         Offset 19.70 dB         Offset 19.70 dB <td colspan<="" th=""></td>	
Knježi Spectrum Adaljen-Occepted BW     Strafic Transportuna Adaljen Auroped Balance Strafic Transportuna Augusta Strafice Transportuna Augusta Strafic Transportex Augusta Strafic Trans	
R.t.         ref         so c.         center         center <thcenter< th=""></thcenter<>	
10 dB/div     Ref 20.00 dBm     8.3316 dBm       10 dB/div     Ref 20.00 dBm     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1       00     1     1	
0.00         2.437000000 GHz           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0           0.00         0	
200	
-70.0	
Center         2.437 GHz         Span 40 MHz         CF Step           #Res BW         430 kHz         #VBW         1.5 MHz         Sweep 1 ms         4.000000 MHz	
Occupied Bandwidth Total Power 21.8 dBm Auto Man 17.367 MHz Fren Offset	
IISO/ IVINZ         Freq Offset           Transmit Freq Error         -599 Hz         % of OBW Power         99.00 %         0 Hz           x dB Bandwidth         20.02 MHz         x dB         -26.00 dB         0 Hz	
MSG STATUS	



INV20SISO_Ant1_2462         Converting read 248200000 OH2         Converting read 248200000 OH2         Not determine read 2482000 OH2         Span 40 MHz         Span 40 MHz         Occupied Bandwidth         111M40SISO_Ant1_2422         Not determine read 248200000 OH2
Image: Section of the section of th
Image: Second
Center 2.462 GHz Res BW 430 KHz Transmit Freq Error x dB Bandwidth 19.95 MHz x dB Bandwidth 19.95 MHz x dB Bandwidth 19.95 MHz x dB Bandwidth 19.95 MHz x dB 10 Center 7reg 242200000 GHz Center 7reg 2422 GHz Ref Offset 1373 dB Center 7reg 07fset 243 GHz Ref Offset 1373 dB Center 7reg 07fset 243 GHz Ref Offset 245 GHz
#Res BW 430 kHz     #VBW 1.5 MHz     Sweep 1 ms     Auto     Auto     Man       Occupied Bandwidth     Total Power     21.0 dBm     Freq Offset       17.384 MHz     % of OBW Power     99.00 %     Auto     Man       Transmit Freq Error     4.300 kHz     % of OBW Power     99.00 %     Auto     0H       wto     immediate     immediate     0H     0H     0H       wto     immediate     immediate     0H     0H       immediate     immediate     immediate     0H     0H       immediate     immediate </td
Occupied Bandwidth     Total Power     21.0 dBm       17.384 MHz     Transmit Freq Error     4.300 kHz     % of OBW Power     99.00 %       x dB Bandwidth     19.95 MHz     x dB     -26.00 dB         wo     stratus         wo     stratus         Word     stratus
Indistint Freq Entor       4.300 KH2       x dB Color Fower       39.00 %         x dB Bandwidth       19.95 MHz       x dB       -26.00 dB         usc       status         Introduction of the status         Intregenet
INVAOSISO_Ant1_2422         Regright Spectrum Analyzer - Orcupied BW         Radio Site None         Radio Device: BTS         Mitragenetic Site None         Radio Device: BTS         Mitragenetic Site None         Ref Offset 19.79 dB         Mitragenetic Site None         Mitragenetic Site None         Ref Offset 19.79 dB         Mitragenetic Site None         O dialidity Ref 20.00 dBm         Mitragenetic Site None         Span 80 Mitragenetic Site None         Center 2.422 GHz         #VBW 3 MHz       Span 80 Mitragenetic Site None         South colspan="
Receive Result of Nature - Occupied BW         Concept BW         But BW         But BW         But BW
Regelet Section Advance - Occupied BW       Section 2000       Center Freq: 2.422000000 GHz       Center Freq: 2.422000000 GHz       Frequency         NE       Wit At the advance of the section of the sec
Bit bit         Store free
Log       International and the second
300         400         Man         400         400         400         400         400         400         400         400         400         400         400         400         400
Center 2.422 GHz       #VBW 3 MHz       Span 80 MHz         #Res BW 820 kHz       #VBW 3 MHz       Sweep 1 ms         Occupied Bandwidth       Total Power       23.3 dBm         36.401 MHz       Freq Offset         Transmit Freq Error       111.13 kHz       % of OBW Power       99.00 %
#Kes BW 820 KHz     #VBW 3 MHz     Sweep 1 ms       Occupied Bandwidth     Total Power     23.3 dBm       36.401 MHz     Freq Offset       Transmit Freq Error     111.13 kHz     % of OBW Power     99.00 %
Transmit Freq Error 111.13 kHz % of OBW Power 99.00 %
x dB Bandwidth 42.72 MHz x dB -26.00 dB
MSG STATUS



	11N4	0SISO_Ant1_2437	7		
In Kent	ght Spectrum Analyzer - Occupied BW				
(X) RL	RF         50 Ω         DC           er Freq 2.437000000 GHz         Cer           NEF         Trig	SENSE:INT ALIGN AUTO nter Freq: 2.437000000 GHz g: Free Run Avg Hold: 100/100 tten: 30 dB	04:23:13 PM Jul 30, 2020 Radio Std: None Radio Device: BTS	Frequency	
10 dBJ Log	Ref Offset 19.79 dB div Ref 20.00 dBm	Mkr	1 2.44996 GHz 8.6542 dBm		
100 - 000 - -000 - -300 - 300 - -400 -		A second se	and and the state of the state	Center Freq 2.437000000 GHz	
	er 2.437 GHz BW 820 kHz	#VBW 3 MHz	Span 80 MHz Sweep 1 ms	CF Step 8.00000 Mriz	
Tra	Ansmit Freq Error 64.237 kHz B Bandwidth 43.06 MHz	% of OBW Power 99	dBm .00 % 00 dB	Freq Offset 0 Hz	
MSG 	ght Spectrum Analyzer - Occupied BW	STATUS 0SISO_Ant1_2452 SERSE:INT ALIGN AUTO			
	Ref Offset 19.79 dB	tter Freq: 2.45200000 GHz g: Free Run Avg Hold: 100/100 tten: 30 dB Mkr	Radio Std: None Radio Device: BTS 1 2.46144 GHz 7.8935 dBm	Frequency	
200 1100 - -000 - -000 - -000 - -000 - -000 - -000 - -000 - -000 -			<sup>le</sup> ndonas de nosa destar	Center Freq 2.462000000 GHz	
	er 2.452 GHz BW 820 kHz	#VBW 3 MHz	Span 80 MHz Sweep 1 ms	CF Step 8.000000 MHz Man	
Tra	cupied Bandwidth 36.348 MHz ansmit Freq Error 81.425 kHz B Bandwidth 43.07 MHz	% of OBW Power 99	.00 % 00 dB	Freq Offset 0 Hz	
Mag		status			

# 11.4. Appendix D: Maximum conducted output power 11.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
		2412	17.26	<=30	PASS
11B	Ant1	2437	16.65	<=30	PASS
		2462	15.87	<=30	PASS
		2412	15.87	<=30	PASS
11G	Ant1	2437	15.00	<=30	PASS
		2462	14.02	<=30	PASS
		2412	13.36	<=30	PASS
11N20SISO	Ant1	2437	13.13	<=30	PASS
		2462	12.11	<=30	PASS
		2422	12.46	<=30	PASS
11N40SISO	Ant1	2437	11.61	<=30	PASS
		2452	10.92	<=30	PASS

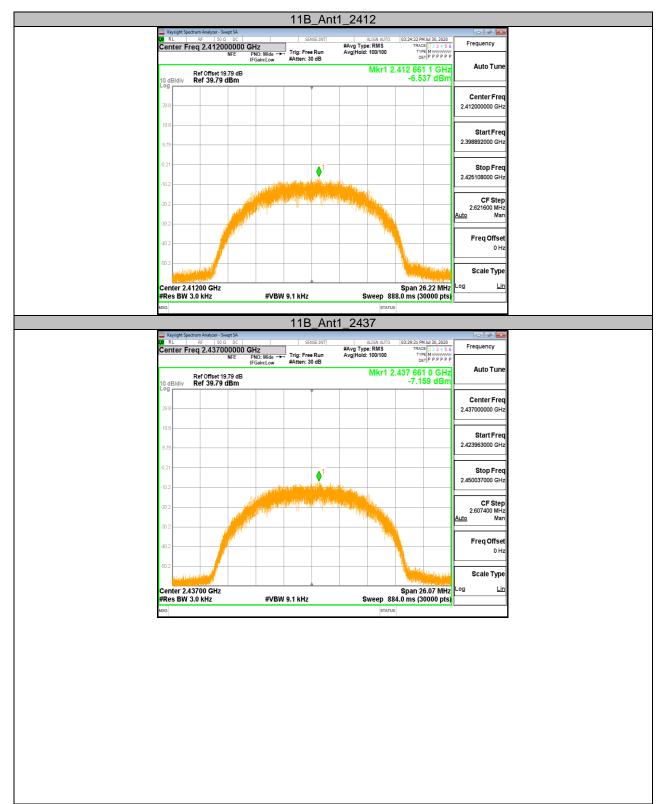


Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
		2412	-6.54	<=8	PASS
11B	Ant1	2437	-7.16	<=8	PASS
		2462	-7.96	<=8	PASS
		2412	-12.26	<=8	PASS
11G	Ant1	2437	-12.94	<=8	PASS
		2462	-13.75	<=8	PASS
		2412	-11.83	<=8	PASS
11N20SISO	Ant1	2437	-12.41	<=8	PASS
		2462	-13.18	<=8	PASS
		2422	-16.96	<=8	PASS
11N40SISO	Ant1	2437	-17.95	<=8	PASS
		2452	-18.49	<=8	PASS

# 11.5. Appendix E: Maximum power spectral density 11.5.1. Test Result

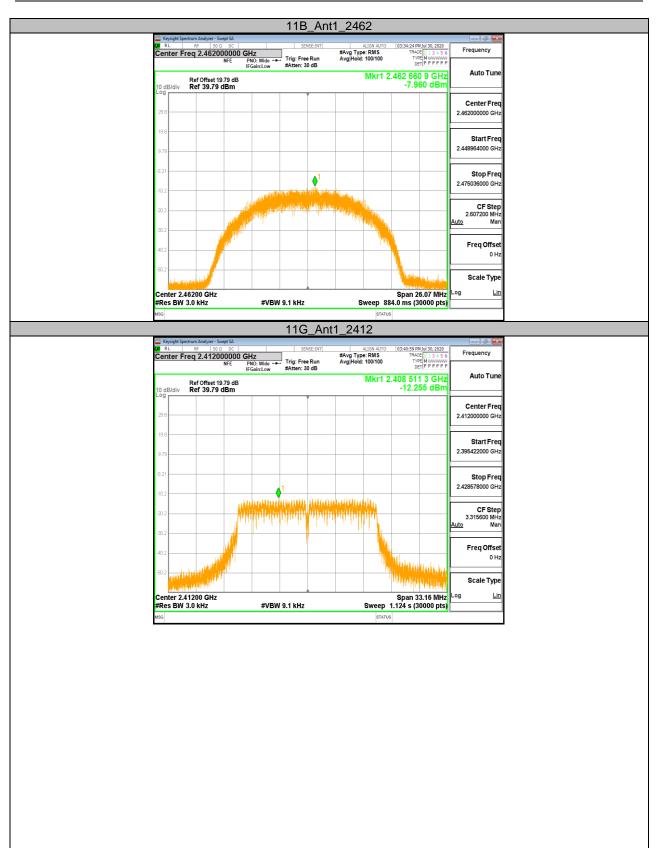








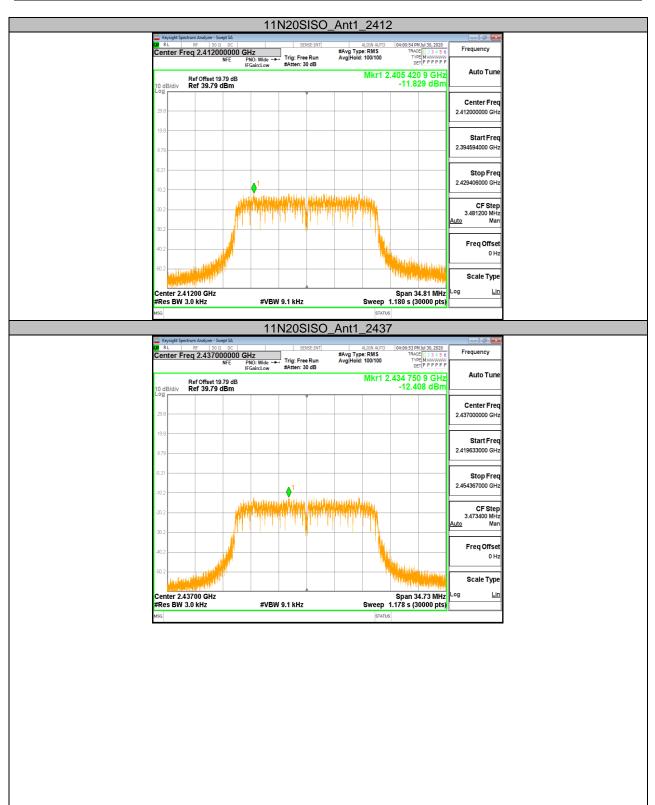
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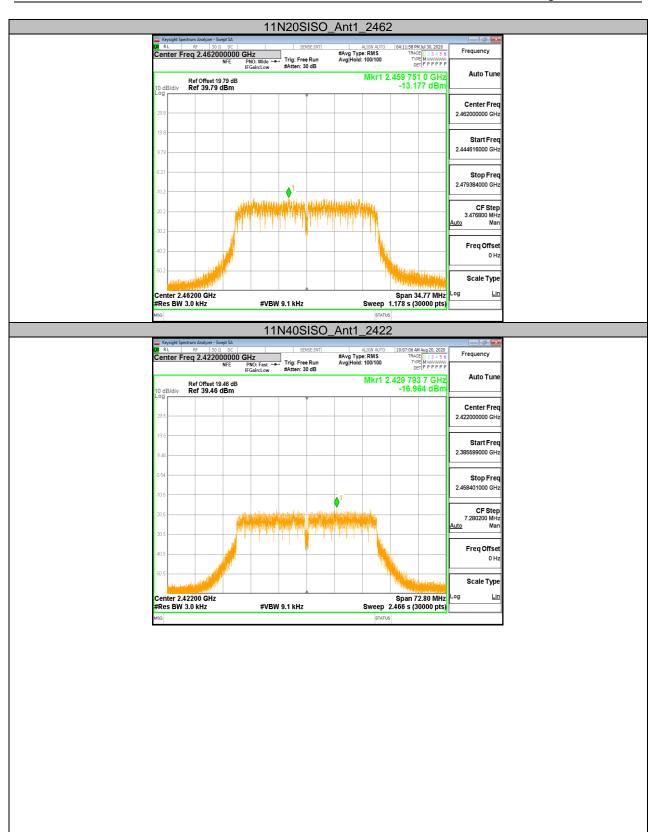




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ILG_Ant1_2437         Ref orget forectum advancer - Sweet SA         Ref orget forectum advancer - Sweet SA         NET PIC: Wide - Trig: Free Run Aveg Type: RMS       Trig: Free Run Aveg Type: RMS         NET PIC: Wide - Trig: Free Run Aveg Type: RMS       Trig: Free Run Aveg Type: RMS         NET PIC: Wide - Trig: Free Run Aveg Type: RMS       Trig: Free Run Aveg Type: RMS         NET Orget 13: 79 dB       Mkr1 2: 438 dBm         Center Freq 39.79 dBm       Center Freq 2: 437000000 G         Start Fri         2420430000 G         Start Fri         2420430000 G         Start Fri         Start Fri         2420430000 G         Genter Frigue Bun       Center Frigue Bun         Orget Start Frigue Bun         Start Frigue Bun         Start Frigue Bun         Center Frigue Bun         Start
Center Freq 2.437000000 CHz         Production         Trig: Free Run         Avg Type: RMS         Trig: Company         Company         Company         Company         Company         Auto Tur           NEE         Photo: Mido         Trig: Free Run         Avg Type: RMS         Mkr1 2.438 2511 GHz         Auto Tur           10 dB/div         Ref 39.79 dBm         -12.938 dBm         Center Fin         2.43700000 GHz           29
Number         Mikr1 2.438 251 1 GHz           10 dBddiv         Ref 39.79 dBm         -12.938 dBm           28         -12.938 dBm         -12.938 dBm           19         -12.938 dBm         -12.938 dBm           243700000 Gl         Start Fr           2420430000 Gl         Start Fr           2420430000 Gl         -11           102         -11           203         -11           204         -11           202         -11           203         -11           202         -11           203         -11           204         -11           202         -11           203         -12.938 dBm           303         -12.938 dBm           304         -12.938 dBm           302         -12.938 dBm           303         -10           303         -10           303         -10           303         -12.938 dBm           -10.90         -12.938 dBm           -10.90         -12.938 dBm           -10.90         -10.90           -10.90         -10.90           -10.90         -10.90           <
28
198       1
9.73       1       2420430000 Gl         0.21       1       1       245357000 Gl         0.21       1       1       245357000 Gl         0.21       1       1       1         0.21       1       1       1         0.21       1       1       1         0.21       1       1       1         0.21       1       1       1         0.22       1       1       1       1         0.22       1       1       1       1       245357000 Gl         0.21       2       2       2       2       2       2       2         0.22       2
0.21         1         1         2.45357000 Gl           0.2         0.2         1         0.0         0.0           0.2         0.2         0.0         0.0         0.0           0.2         0.0         0.0         0.0         0.0           0.2         0.0         0.0         0.0         0.0           0.2         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0           0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0
102         1         1         24557000 G           302         0         0         0         0           302         0         0         0         0         0           402         0
302         302         303         303         303         303         303         3000 M           302
302         402         M           402         Freq Offs         0           502         Span 33.14 MHz         Freq Offs           Center 2.43700 GHz         #VBW 9.1 kHz         Span 33.14 MHz           #Res BW 3.0 kHz         #VBW 9.1 kHz         Sweep 1.124 s (30000 pts)           HSC         IntG_Ant1_2462           We Store Freq Status         Status
40.2         01           50.2         Span 33.14 MHz           Center 2.43700 GHz         #VBW 9.1 kHz           #Res BW 3.0 kHz         #VBW 9.1 kHz           Sweep 1.124 s (30000 pts)           HIG_Ant1_2462
50.2         Scale Typ           Center 2.43700 GHz         Span 33.14 MHz           #Res BW 3.0 kHz         #VBW 9.1 kHz           Sweep 1.124 s (30000 pts)         Startus           11G_Ant1_2462         International startus           B         Re 50.00         Startus
Center 2.4700 GHz         Span 33.14 MHz         Log         L           #Res BW 3.0 kHz         #VBW 9.1 kHz         Sweep 1.124 s (30000 pts)
#Res BW 3.0 kHz         #VBW 9.1 kHz         Sweep         1.124 s (30000 pts)           NSC         Integration         Integration           MSC         Integration         Integration           Alter Autor Market Street           Alter Autor Market Street           Alter Autor Market Street
11G_Ant1_2462
Keysight Spectrum Analyzer - Swept SA     RL RF   50 Ω DC   SENSE:INT  ALIGN AUTO   02:54:15 PM Jul 30, 2020
CO R L RF 50 Ω DC SENSE:INT ALIGN AUTO 03:54:15 PM Jul 30, 2020
Center Freq 2.462000000 GHz #Avg Type: RMS TRACE 12.3.4.5.6 Frequency
Ref Offset 19.79 dB         Mkr1 2.458 511 0 GHz         Auto Tur           10 dB/div         Ref 39.79 dB         -13.752 dBm
298 Center Fm 246200000 G
19.8
9.79 StartFn 2.44541000 G
0.21 Stop Fr
-10.212.47859000 G
CF Ste
3.318000 M Auto M
30.2 FreqOffs
Scale Ty
Center 2.46200 GHz Span 33.18 MHz <sup>Log</sup> # #Res BW 3.0 kHz #VBW 9.1 kHz Sweep 1.124 s (30000 pts)
MICS DW 5.0 KIIZ #VDW 5.1 KIIZ SWEEP 1.124 5 (30000 PL3)





Start Freq 2.415652000 GHz

Stop Freq 2.488348000 GHz

> CF Step 7.269600 MHz Man Freq Offset 0 Hz

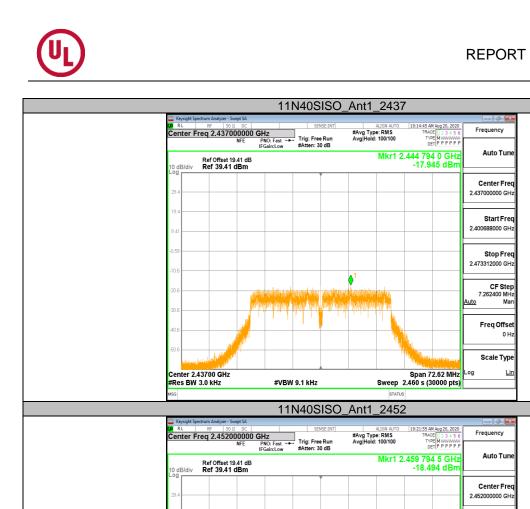
> > Scale Type

\_og

Span 72.70 MHz

Sweep 2.464 s (30000 pts)

Lir



Center 2.45200 GHz

#Res BW 3.0 kHz

#VBW 9.1 kHz



Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.10	-39.78	<=-20.9	PASS
ПВ	Anti	High	2462	6.85	-40.58	<=-23.15	PASS
11G	Ant1	Low	2412	2.92	-31.08	<=-27.08	PASS
ПG	Anti	High	2462	1.52	-40.85	<=-28.48	PASS
11N20SISO	A not 1	Low	2412	2.81	-31.21	<=-27.19	PASS
1111205150	Ant1	High	2462	1.55	-40.14	<=-28.45	PASS
11N40SISO	Apt1	Low	2422	-5.84	-41.73	<=-35.84	PASS
1111405150	Ant1	High	2452	-5.86	-42.98	<=-35.86	PASS

## 11.6. Appendix F: Band edge measurements 11.6.1. Test Result



## 11.6.2. Test Graphs





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11G_Ant1_	_Low_2412	
Keysight Spectrum Analyzer - Swept SA		- 8 💌
00 RL RF 50 Ω DC SENSE:UNT Center Freq 2.365000000 GHz NFE PNO: Fast →→ IFGain.low #Atten: 30 dB	ALIGN AUTO 03:41:14 PM Jul 30, 2020 #Avg Type: RMS TRACE 1 23 45 6 Avg Hold: 300/300 TVPE M	Frequency
Ref Offset 19.79 dB 10 dB/div Ref 20.00 dBm Log	Mkr5 2.399 84 GHz -31.075 dBm	Auto Tune
10.0		Center Freq 2.365000000 GHz
-10.0	5 DL1-37.08 dBm	Start Freq 2.30000000 GHz
-40.0 postaveral and a second	- Connection of the Connectio	Stop Freq
-60.0		2.430000000 GHz
Start 2.30000 GHz           #Res BW 100 kHz           #VBW 300 kHz           Model track sol	Stop 2.43000 GHz Sweep 4.800 ms (1001 pts)	CF Step 13.000000 MHz <u>Auto</u> Man
I         I         F         2.418 82 GHz         2.922 dBm           2         N         1         F         2.400 00 GHz         -3.2057 dBm           3         N         1         2.309 00 GHz         -4.1814 dBm           4         N         1         f         2.309 00 GHz         -4.2164 dBm           5         N         1         f         2.309 02 GHz         -3.1075 dBm		Freq Offset 0 Hz
6 7 8 9		Scale Type
10 11 *	STATUS .	Log <u>Lin</u>
Keysight Spectrum Analyzer - Swept SA		- 0 -
	ALIGN AUTO 03:54:30 PMJul 30, 2020 #Avg Type: RMS TRACE 123456 Avg Hold: 300/300 TYPE M	Frequency
IFGain:Low #Atten: 30 dB	Mkr4 2.541 42 GHz -40.848 dBm	Auto Tune
10 dB/div Ref 20.00 dBm		Center Freq 2.495000000 GHz
-10.0		Start Freq 2.44000000 GHz
	4 	Stop Freq
-70.0 Start 2.44000 GHz	Stop 2.55000 GHz	2.55000000 GHz
1 N 1 f 2.468 82 GHz 1.523 dBm	Sweep 4.067 ms (1001 pts)	11.000000 MHz <u>Auto</u> Man
2 N 1 f 2.483 50 GHz -42.262 dBm 3 N 1 f 2.500 0GHz -43.530 dBm 4 N 1 f 2.541 42 GHz -40.848 dBm 5 6	E	Freq Offset 0 Hz
7 8 9 10 11		Scale Type
et an	STATUS	
NO3	STATUS	

	11N20SISO_A	nt1_Low_24	12	
Keysight Spectrum Analyzer - Swept SA	SENSE:INT	ALIGN AUTO	04:01:08 PM Jul 30, 2020	- 2 🕰
Center Freq 2.3650000	DO GHZ	#Avg Type: RMS Avg Hold: 300/300	TRACE 1 2 3 4 5 6 TYPE M	Frequency
Ref Offset 19.79 10 dB/div Ref 20.00 dBr	iB 1	Mkr5	2.399 84 GHz -31.205 dBm	Auto Tune
10.0			1	Center Freq 2.36500000 GHz
-10.0				
-30.0		Q <sup>3</sup>	DL1 -27,19 dBm	Start Freq 2.30000000 GHz
-50.0	and and the first state of the second state of the	mlandgenelast flynn		Stop Freq
-60.0				2.430000000 GHz
Start 2.30000 GHz #Res BW 100 kHz	#VBW 300 kHz		stop 2.43000 GHz 800 ms (1001 pts)	CF Step 13.000000 MHz Auto Man
1 N 1 f	2.411 41 GHz 2.806 dBm 2.400 00 GHz -33.941 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	
4 N 1 f 5 N 1 f	2.390 00 GHz		E	Freq Offset 0 Hz
6 7 8 9				Scale Type
10 11				Log <u>Lin</u>
MSG	111208180	status	60	7
Keysight Spectrum Analyzer - Swept SA CT RL RF 50 Ω DC	11N20SISO_A		•O∠ 04:12:12 PMJul 30, 2020	
Center Freq 2.4950000	PNO: Fast + IFGain:Low #Atten: 30 dB	#Avg Type: RMS Avg Hold: 300/300	TRACE 1 2 3 4 5 6 TVPE M	Frequency
Ref Offset 19.79	B	Mkr4	2.490 60 GHz -40.141 dBm	Auto Tune
10.0 10.0				Center Freq
-10.0				2.495000000 GHz
-20.0			DL1 -28.45 dBm	Start Freq 2.440000000 GHz
-40.0		monteneneration	have been a been and a second s	Stop Freq
-60.0				2.55000000 GHz
Start 2.44000 GHz #Res BW 100 kHz	#VBW 300 kHz	S Sweep 4.0	top 2.55000 GHz 167 ms (1001 pts)	CF Step 11.000000 MHz
1 N 1 f	X Y FU 2.456 61 GHz 1.551 dBm 2.483 50 GHz -41.317 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
3 N 1 T 4 N 1 F 5	2.500 00 GHz 42.882 dBm 2.490 60 GHz 40.141 dBm		E	Freq Offset 0 Hz
6 7 8 9				Scale Type
10 11 <			-	Log <u>Lin</u>
MSG		STATUS		

	11N4	<b>OSISO</b> A	nt1_Low_2	422	
					- 8 🕰
RL RF 50 S Center Freq 2.3725	Ω DC	SENSE:INT Trig: Free Run #Atten: 20 dB	#Avg Type: RMS Avg Hold: 300/300	10:24:54 AM Aug 20, 2020 TRACE 1 2 3 4 5 6 TVPE M DET P P P P P	Frequency
Ref Offset 1 10 dB/div Ref 10.00			Mkr5	2.399 615 GHz -41.726 dBm	Auto Tune
-10.0				1 mpennen	Center Freq 2.372500000 GHz
-30.0			Q <sup>3</sup>	DL1 -35.84 dbn	Start Freq 2.30000000 GHz
-70.0					Stop Freq 2.445000000 GHz
Start 2.30000 GHz #Res BW 100 kHz		V 300 kHz		Stop 2.44500 GHz .333 ms (1001 pts)	CF Step 14.500000 MHz Auto Man
MKR MODE TRC SCL	× 2.435 430 GHz	-5.839 dBm	FUNCTION WIDTH	FUNCTION VALUE	
1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5 N 1 f 6	2.400 400 GHz 2.390 000 GHz 2.310 000 GHz 2.310 000 GHz 2.399 615 GHz	-39.727 dBm -49.493 dBm -54.447 dBm -41.726 dBm		E	Freq Offset 0 Hz
7 8 9 10					Scale Type
11 <			STATU	*	
	4 4 5 1 4				
		<u>05150_Ar</u>	nt1_High_2	452	
Keysight Spectrum Analyzer - Si	vept SA	SENSE:INT	ALIGN AUTO	10:22:08 AM Aug 20, 2020	- 2 💌
Center Freq 2.4875			#Avg Type: RMS Avg Hold: 300/300	TRACE 1 2 3 4 5 6 TYPE M	Frequency Auto Tune
Ref Offset 1 10 dB/div Ref 10.00	dBm	, The second sec	Mkr4	2.484 500 GHz -42.983 dBm	Autorune
	I 61				
-10.0					Center Freq 2.487500000 GHz
-10.0 -20.0 -30.0 -40.0		A		DL1-35.06 oBm	
-10.0			9 <sup>3</sup>	211-3259 890	2.487500000 GHz Start Freq
100	#VB/	V 300 KHz	Sweep 4	stop 2.55000 GHz .600 ms (1001 pts)	2.487500000 GHz Start Freq 2.425000000 GHz Stop Freq
100 200 200 200 200 200 200 200 200 200		V 300 KHz		stop 2.55000 GHz .600 ms (1001 pts)	2.487500000 GHz Start Freq 2.425000000 GHz Stop Freq 2.55000000 GHz CF Step 12.500000 MHz
-100 -200 -200 -200 -200 -200 -200 -200	*VEW 2.464 125 GHz 2.450 000 GHz 2.500 000 GHz	V 300 kHz 5.859 dBm -4.404 dBm -50.108 dBm	Sweep 4	stop 2.55000 GHz .600 ms (1001 pts)	2.487500000 GHz Start Freq 2.425000000 GHz 2.550000000 GHz 12.500000 MHz <u>Auto</u> Man Freq Offset
100	*VEW 2.464 125 GHz 2.450 000 GHz 2.500 000 GHz	V 300 kHz 5.859 dBm -4.404 dBm -50.108 dBm	Sweep 4	stop 2.55000 GHz .600 ms (1001 pts)	2.487500000 GHz Start Freq 2.425000000 GHz 2.55000000 GHz 2.55000000 GHz CF Step 12.500000 MHz Auto Man Freq Offset 0 Hz Scale Type

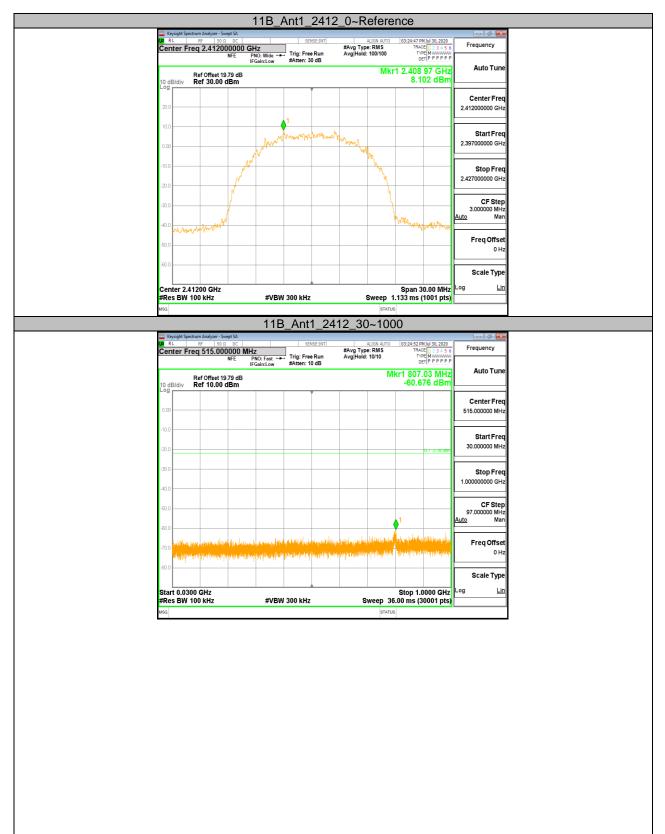


## 11.7. Appendix G: Conducted Spurious Emission 11.7.1. Test Result

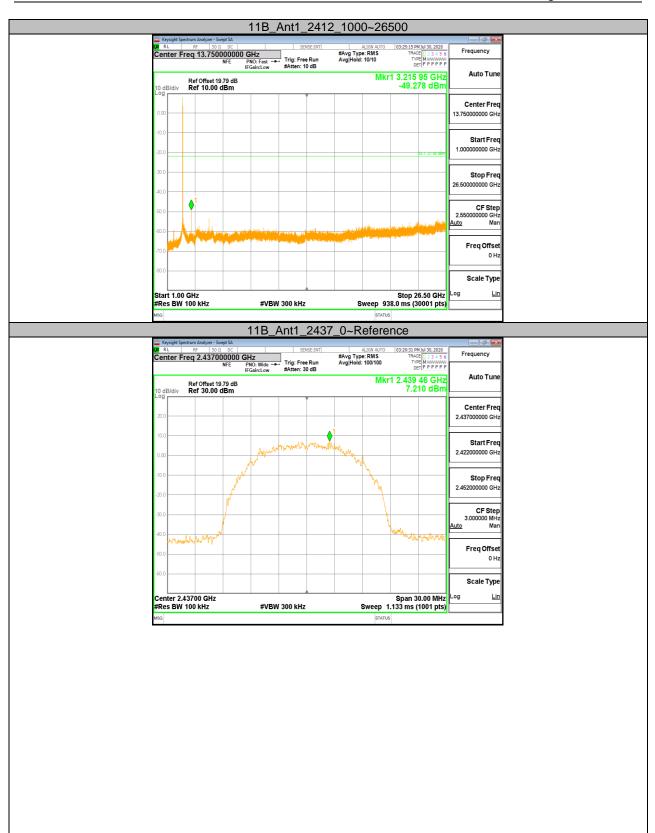
Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
			Reference	8.10	8.10		PASS
		2412	30~1000		-60.676	<=-21.898	PASS
			1000~26500		-49.278	<=-21.898	PASS
			Reference	7.21	7.21		PASS
11B	Ant1	2437	30~1000		-60.43	<=-22.79	PASS
			1000~26500		-49.816	<=-22.79	PASS
			Reference	7.88	7.88		PASS
		2462	30~1000		-61.1	<=-22.118	PASS
			1000~26500		-48.279	<=-22.118	PASS
			Reference	2.28	2.28		PASS
		2412	30~1000		-62.276	<=-27.72	PASS
			1000~26500		-50.184	<=-27.72	PASS
			Reference	2.20	2.20		PASS
11G	Ant1	2437	30~1000		-61.721	<=-27.797	PASS
			1000~26500		-49.92	<=-27.797	PASS
			Reference	1.41	1.41		PASS
		2462	30~1000		-62.003	<=-28.587	PASS
			1000~26500		-48.534	<=-28.587	PASS
			Reference	2.86	2.86		PASS
		2412	30~1000		-61.759	<=-27.138	PASS
			1000~26500		-48.64	<=-27.138	PASS
			Reference	2.45	2.45		PASS
11N20SISO	Ant1	2437	30~1000		-63.19	<=-27.554	PASS
			1000~26500		-49.473	<=-27.554	PASS
			Reference	0.96	0.96		PASS
		2462	30~1000		-61.859	<=-29.042	PASS
			1000~26500		-48.532	<=-29.042	PASS
			Reference	-4.73	-4.73		PASS
		2422	30~1000		-61.965	<=-34.73	PASS
			1000~26500		-45.645	<=-34.73	PASS
			Reference	-5.32	-5.32		PASS
11N40SISO	Ant1	2437	30~1000		-62.721	<=-35.317	PASS
			1000~26500		-45.86	<=-35.317	PASS
			Reference	-6.18	-6.18		PASS
		2452	30~1000		-62.373	<=-36.18	PASS
			1000~26500		-44.792	<=-36.18	PASS



## 11.7.2. Test Graphs







Ref offset 1979 alls       Init in the -60.430 dBm         100 Bildiv       Ref 10.00 dBm       -60.430 dBm         100
M AL       W 100 0C       Late All All All All All All All All All Al
Center Freq 515.00000 MHz       Bit Part Free Run Patter: 10 dB       Bit Part Free Run Patter: 10 dB       Bit Part Free Run Patter: 10 dB       Mkr 1 883.12 MHz         Ref Offset 19.79 dB       Center Free 10 dB/dW       Ref 10.00 dBm       Center Free 515.00000 MHz       Center Free 515.00000 MHz         200       Display Logical data and the set of the set
Ref offset 19.73 dB         Mkr1 883.12 MHz         Auto Tune           10 dBidity         Ref 10.00 dBm         -60.430 dBm         -60.430 dBm         Center Freq           00
Cond         Center Freq           000         0
00         00<
100       1
30       30 <td< td=""></td<>
30       30,00000 MHz         30       30,00000 MHz         30       30,00000 MHz         30       40         40 </td
300       Bt. 227966         300       Bt. 227966         400       Stop Freq         410       Stop Freq         410       Stop Freq         410       Stop Freq
and
and
400       400
Image: Sector Pred 10.000 GHz     Freq Offset       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Sector Pred 10.000 GHz       Image: Sector Pred 10.000 GHz     Image: Pred 10.000 GHz       Image: Pred 10.000 GHz     Image: Pred Pred 10.000 GHz       Image: Pred 10.000 GHz     Image: Pred Pred 10.000 GHz       Image: Pred 10.000 GHz     Image: Pred Pred Pred 10.000 GHz       Image: Pred 10.000 GHz     Image: Pred Pred Pred Pred Pred Pred Pred Pred
Image: Start 0.0300 GHz         #VBW 3000 KHz         Stop 1.0000 GHz         Scale Type           #tog         istart 0.0300 GHz         #VBW 3000 KHz         Sweep 36.00 ms (30001 pt)         Image: Stop 1.0000 GHz           #tog         istart 0.0300 GHz         #VBW 300 KHz         Sweep 36.00 ms (30001 pt)         Image: Stop 1.0000 GHz           #tog         istart 0.0300 GHz         #VBW 300 KHz         Sweep 36.00 ms (30001 pt)         Image: Stop 1.0000 GHz           #tog         istarts         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz           #tog         istarts         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz           NFE         PHO: Fast → Trig: Free Run         #Avg Type: RMS         Image: Stop 1.000 CHz         Image: Stop 1.000 CHz           NFE         PHO: Fast → Trig: Free Run         #Avg Hold: 10/10         Image: Stop 1.000 CHz         Image: Stop 1.000 CHz           NFE         PHO: Fast → Trig: Free Run         #Avg Hold: 10/10         Image: Stop 1.000 CHz         Image: Stop
Image: Start 0.0300 GHz         #VBW 3000 KHz         Stop 1.0000 GHz         Scale Type           #tog         istart 0.0300 GHz         #VBW 3000 KHz         Sweep 36.00 ms (30001 pt)         Image: Stop 1.0000 GHz           #tog         istart 0.0300 GHz         #VBW 300 KHz         Sweep 36.00 ms (30001 pt)         Image: Stop 1.0000 GHz           #tog         istart 0.0300 GHz         #VBW 300 KHz         Sweep 36.00 ms (30001 pt)         Image: Stop 1.0000 GHz           #tog         istarts         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz           #tog         istarts         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz         Image: Stop 1.0000 CHz           NFE         PHO: Fast → Trig: Free Run         #Avg Type: RMS         Image: Stop 1.000 CHz         Image: Stop 1.000 CHz           NFE         PHO: Fast → Trig: Free Run         #Avg Hold: 10/10         Image: Stop 1.000 CHz         Image: Stop 1.000 CHz           NFE         PHO: Fast → Trig: Free Run         #Avg Hold: 10/10         Image: Stop 1.000 CHz         Image: Stop
Start 0.0300 GHz         Stop 1.0000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Stop 1.0000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Stop 1.0000 GHz           #res         Image         Image         Image           Image
Scale Type Start 0.0300 GHz #Res BW 100 kHz #Res BW 10
#Res BW 100 kHz         #VBW 300 kHz         Sweep 36.00 ms (30001 pts)           Mod         jamus           Intrus           Image
#Res BW 100 kHz         #VBW 300 kHz         Sweep 36.00 ms (30001 pts)           utd         isranus           11B_Ant1_2437_1000~26500           Res BW 100 kHz         Sense: Int         ALign Autor         Isranus           Image: Sense: Int         ALign Autor         00.2559 PH/M 30, 2020           Prequency         Frequency         Frequency         Frequency           NFE         PRO: Fast         Trig: Free Run         #AvgTrig: RMS         Trig: Free Run         #AvgTrig: 13:45.6         Frequency           NFE         PRO: Fast         Trig: Free Run         #AvgTrig: 10:10         Trig: 10:10 dB/dd         Eel (P P P P P)         Auto Tune           10 dB/ddv         Ref Offset 19:79 dB         49.816 dBm         49.816 dBm         Center Freq         13:05000000 GHz         Start Freq         13:05000000 GHz         Start Freq         1:00000000 GHz         Start Freq         1:00000000 GHz         Start Freq         1:00000000 GHz         Start Freq         1:0000000 GHz         Start Freq         1:00000000 GHz         1:00000000 GHz         1:0
11B_Ant1_2437_1000~26500           Keydet Spectrum Andree: Sweet SM           Mile Sector Revised Spectrum Andree: Sweet SM           Center Freq 13.750000000 GHz           Trig: Free Run Breath Low         Mkr 1 3.249 10 GHz -49.816 dBm           Center Freq 10.00 dBm         Mkr 1 3.249 10 GHz -49.816 dBm           Center Freq 1.0000000 GHz Breath Low         Mkr 1 3.249 10 GHz -49.816 dBm           Center Freq 1.000 dBm         Center Freq 10.0000000 GHz         Center Freq 10.0000000 GHz           NE Conter Freq 10.0000000 GHz         Mkr 1 3.249 10 GHz -49.816 dBm           Center Freq 13.750000000 GHz           Start Freq 1.00000000 GHz           Start Freq 1.00000000 GHz           Start Freq 1.00000000 GHz           Start Freq 1.00000000 GHz
Rejet Sector         Result Sector         Sector         Sector         ALIGN Autor         Result Sector         Frequency           Center Freq 13.750000000 GHz         NFE         PNO: Fast         Trig: Free Run         #Avg Type: RMS         Trid: Sector         Autor Tupe           NFE         PNO: Fast         +++         Trig: Free Run         #Avg Type: RMS         Trid: Sector         Autor Tupe           10 dB/div         Ref Offset 19.79 dB              Autor Tupe           00                Autor Tupe           00                Autor Tupe           00                 Autor Tupe          Autor Tupe           00                   Autor Tupe           00
Ref Offset 19.79 dB         Statution         Mixed 1000000 GHz         Frequency         Frequency           NFE         PNC: Fast →→         Trig: Free Run BrGaincher         Trig: Free Run AvgRided: 1010         MKr1 3.249 10 GHz         Auto Tune           10 dB/div         Ref Offset 19.79 dB         MKr1 3.249 10 GHz         General PPPPP         Auto Tune           00
Center Freq 13.750000000 GHz NFE         Trig: Freq Run #Atten: 10 dB         #Avg Type: RMS Avg[Hold: 10/10         Trig: Freq Run Belling         Trig: Freq Auto Tune           Trig: Freq 10 dB/div         Mkr1 3.249 10 GHz         Auto Tune           Center Freq 13.760000000 GHz         Start Freq 13.00000000 GHz           Start Freq 13.00000000 GHz         Start Freq 13.0000000 GHz           Start Freq 13.0000000 GHz         Start Freq 26.5000000 GHz
Ref 0ffset 19.79 dB         Mkr1 3.249 10 GHz         Auto Tune           10 dB/div         Ref 0ffset 19.79 dB         -49.816 dBm         -49.816 dBm           00
Ref Offset 19.79 dB         -49.816 dBm           10 dB/div         Ref 10.00 dBm         -49.816 dBm           000         100         100           000         100
Cog         Center Freq           0.00         13.75000000 GHz           100         0.1.12279 db           300         0.1.12279 db
0.00         13.75000000 GHz           10.0         13.75000000 GHz           20.0         0.122.7e dbit           30.0         0.122.7e dbit           30.0         0.122.7e dbit
10.0         10.1         10.1         10.1         10.1         10.1         10.0000000 GHz         10.
300 0.1.2279.060 0.1.22799.060 0.1.2279.060 0.1.227900 0.1.22799.060 0.1.22799.060
300 0.1.2279.060 0.1.22799.060 0.1.2279.060 0.1.227900 0.1.22799.060 0.1.22799.060
300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
26.5000000 GHz
26.5000000 GHz
-40.0
CF Step
2.55000000 GHz
Freq Offset
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#Res BW 100 kHz #VBW 300 kHz Sweep 938.0 ms (30001 pts)
MSG STATUS



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ш к	eysight Spectrum	Analyzer - Swi	ept SA								- 6 💌
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10 d	Re IB/div <b>R</b> e	f Offset 19 ef 30.00 c	.79 dB	FGain:Low	white	an. 50 ab		Mkr	1 2.464	58 GHz 82 dBm	Auto Tune
Log											Center Freq
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	ter 2 462								Snar 9	30.00 MHz	Scale Type Log <u>Lin</u>
	nter 2.462 es BW 100			#VB	W 300 k	(Hz		Sweep 1	.133 ms	10.00 MHz (1001 pts)	3 <u> 11</u>
				11	B_Aı	nt1_24	162 <u>3</u>				
<u>—</u> К	eysight Spectrum R L P	Analyzer - Swi	ept SA		1	SENSE:INT	1	ALIGN AUTO	03:34-52.0	M Jul 30, 2020	
Cer	nter Freq	515.000	NEE	<b>Iz</b> PNO:Fast ← FGain:Low	→ Trig: #Atte	Free Run en: 10 dB	#Avg Ty Avg Hol	pe: RMS	TRAI	CE 1 2 3 4 5 6 PE M	Frequency
10 d Log	IB/div Re	f Offset 19 ef 10.00 c	.79 dB 18m					М	kr1 821 -61.1	.71 MHz 00 dBm	Auto Tune
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-20.0										0C1 -2212 dBm	30.000000 MHz
-30.0	)										Stop Freq 1.00000000 GHz
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-50.0									<b>♦</b> <sup>1</sup>		97.000000 MHz <u>Auto</u> Man
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	rt 0.0300 (									0000 GHz	
#Re MSG	es BW 100	KTZ		#vB	W 300 K	ATI2		SWEED 36		30001 pts)	



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Center Freq 13.75000000 GHZ         Prequency         Avg Type: RMS         Trace [12.3.4.5.6]         Prequency           NFE         PNO: Fast
Ref offset 19.79 dB         Mkr1 3.282 25 GHz         Auto Tu           10 dB/div         Ref 10.00 dBm         -48.279 dBm         Center Fri           0.00
Ref Offset 19.79 dB         Mkr1 3.282 25 GHz         Auto Tu           10 dB/div         Ref 10.00 dBm         -48.279 dBm         Center Fri           000         -48.279 dBm         -37.00         Start Fri           000         -0.00         -0.00         -0.00         Start Fri           000         -0.00         -0.00         -0.00         Start Fri           000         -0.00         -0.00         -0.00         -0.00         -0.00           000         -0.00         -0.00         -0.00         -0.00         -0.00         -0.00           000         -0.00
10 dB/dtv       Ref 10.00 dBm       -48.279 dBm         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000       Image: constraint bit db       Image: constraint bit db       Image: constraint bit db         000
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Start Fr         Start Fr           300         0
200         1000000000000000000000000000000000000
300         1         1         1         1         26.50000000 G           400         1
40.0         50.0 <t< td=""></t<>
400         400         600
300         300
300         300
600         0
Start 1.00 GHz         Stop 26.50 GHz         Stop 26.50 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 938.0 ms (30001 pts)           Interview         Interview         Interview           #Res BW 100 kHz         #VBW 300 kHz         Sweep 938.0 ms (30001 pts)           Interview         Interview         Interview           Barborn         Interview         Interview           Interview         Stop 26.50 GHz         Interview           Interview         Interview         Stop 26.50 GHz         Interview           Interview         Interview         Stop 26.50 GHz         Interview           Interview         Interview         Stop 26.50 GHz         Interview           Interview         Interview         Stop 26.50 GHz         Interview           Interview         Stop 26.50 GHz         Interview         Interview           Interview         Interview         Stop 26.50 GHz         Interview           Interview         Stop 26.50 GHz         Interview         Interview           Interview         Stop 24.20         Interview         Interview           Interview         Stop 24.20         Stop 24.30 Stop         Interview           Interview         Stop 24.20 Stop         Stop 24
300         0         0         0           300         500         0         0         0           Start 1.00 GHz         #VBW 300 kHz         Stop 26.50 GHz         0           #Res BW 100 kHz         #VBW 300 kHz         Sweep 938.0 ms (30001 pts)         0           usco         intrus         11G_Ant1_2412_0~Reference         0           R.L         RF         50.0 DC         Sense:Nrt         Auton Arro         034125 PHul 30, 2020         Frequency           ME         PNO: Wide -+
Scale Ty Start 1.00 GHz #Res BW 100 kHz #Res BW 100 kHz #Res BW 100 kHz #Res BW 100 kHz #Res BW 100 kHz #VBW 300 kHz #VBW 300 kHz Stop 26.50 GHz Ing Stop 26.50 GHZ
Start 1.00 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 938.0 ms (30001 pts) ISTATUS ITG_Ant1_2412_0~Reference Keysight Spectrum Analyzer - Swept SA R L RF 50 0 DC Center Freq 2.1200000 GHz NFE PNO: Wide →→ IFGanta Starts: 30 dB Trig: Freq Line: 30 dB Starts: 30 dB Star
#Res BW 100 kHz         #VBW 300 kHz         Sweep         938.0 ms (30001 pts)           usc         istattus           11G_Ant1_2412_0~Reference           Kyright Spectrum Analyzer - Sweet SA         istattus           R.L         RF         IS00_DC         istattus           Center Freq 2.12000000 GHz         Trig: Free Run IFGaintus 01 dB         #Autor         03:41:25 PMJ 30; 2020           NE         PNO: Wide →→ IFGaintus 01 dB         Trig: Free Run AvgIrloid: 100/100         Trig: Pree Run Center Freq 2.23 4.55         Frequency
All Brief Spectrum Analyzer - Sweet SA           RAL Brief Sold DC         Sense:Divri         Align Autoro         (034125 PHAId 30, 2020           Center Freq 2.412000000 GHz IFGalitics ou db         Trig: Frequency Avg(Hold: 100/100         Trig: Sea Avg(Hold: 100/100         Trig: Sea Avg(Hold: 100/100         Trig: Frequency
Keyright Spectrum Analyzer - Swept Sa         C         Science Shift         ALION AUTO         03:41:25 PM Jail 0, 2020         College           R L         RF         IS 0:0         DC         Science Shift         ALION AUTO         03:41:25 PM Jail 0, 2020         Frequency           Center Freq 2.412000000 GHz         Trig: Free Run         Avg Type: RMS         Trice: Trig: Free Run         AvgIrloid: 100/100         Trice: Weinweinwein         Frequency
RL         PF         So.g. Dc         Sensemit         Auton Auto         Ion (out-12004) 00,2020         Frequency           Center Freq 2.41200000 GHz         File         File         Kary Type: RN         Tract[] 23.4.5 6         Frequency           MFE         PNO: Wide →+ IFGanLow         File         Augusta         Avg Hold: 100/100         Tract[] 23.4.5 6         Frequency
Center Freq 2.412000000 GHz         #Avg Type: RMS         Trace 1:3455         Trace 1:345           NFE         PNO: Wide →         Trig: Free Run         Avg[Hold: 100/100         Trice         Tr
Mkr1 2 418 84 GHz Auto Tu
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Scale Ty
Center 2.41200 GHz Span 30.00 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 1.133 ms (1001 pts)
MSG STATUS

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244 K	eysight Spectrum	Analyzer - Swept	t SA			00				- 2 🔀
(X) - F	RL R	F 50 Ω 515.0000	DC 00 MHz	Fast +++ 1	SENSE:INT	#Avg Type: Avg Hold: 1	IGN AUTO RMS 0/10	TRA	M Jul 30, 2020 2E 1 2 3 4 5 6 PE M WWWWWW	Frequency
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10 c Log	B/div Re	ef 10.00 dE	Bm		Ť			-62.2	76 dBm	
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-30.0									DL1 -27.72 dBn	Stop Freq
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<u>ш</u> к (л		F 50 Ω	t SA		SENSE:INT			03:41:52 P	M Jul 30, 2020	- 2 -
		13.75000	00000 GHz	Fast ++ 1	rig: Free Run Atten: 10 dB	#Avg Type: Avg Hold: 1	RMS	TRA	DE 1 2 3 4 5 6 PE M ET P P P P P P	Frequency
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Log										
										Center Freq
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									DL1 -27 72 dBn	13.750000000 GHz
-10.0									DL1 -27 72 dBn	13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq
-10.0									DL1 -27.72 dBn	13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz
-10.0 -20.0 -30.0		1								13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz CF Step 2.550000000 GHz
-10.0 -20.0 -30.0									<u>D(1-2772 dBn</u>	13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq 26.50000000 GHz CF Step
-10.0 -20.0 -30.0 -40.0										13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz CF Step 2.550000000 GHz
-10.0 -20.0 -30.0 -40.0 -40.0 -40.0										13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz 2.55000000 GHz <u>CF Step</u> 2.55000000 GHz <u>Auto</u> Man Freq Offset 0 Hz
-10.0 -30.0 -40.0 -40.0 -70.0 -70.0								Stop		13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz 2.550000000 GHz <u>Auto</u> Man Freq Offset 0 Hz Scale Type
-10.0 -20.0		Z		#VBW 30			eep 93	8.0 ms (3		13.75000000 GHz Start Freq 1.00000000 GHz 26.50000000 GHz 2.550000000 GHz <u>Auto</u> Man Freq Offset 0 Hz Scale Type



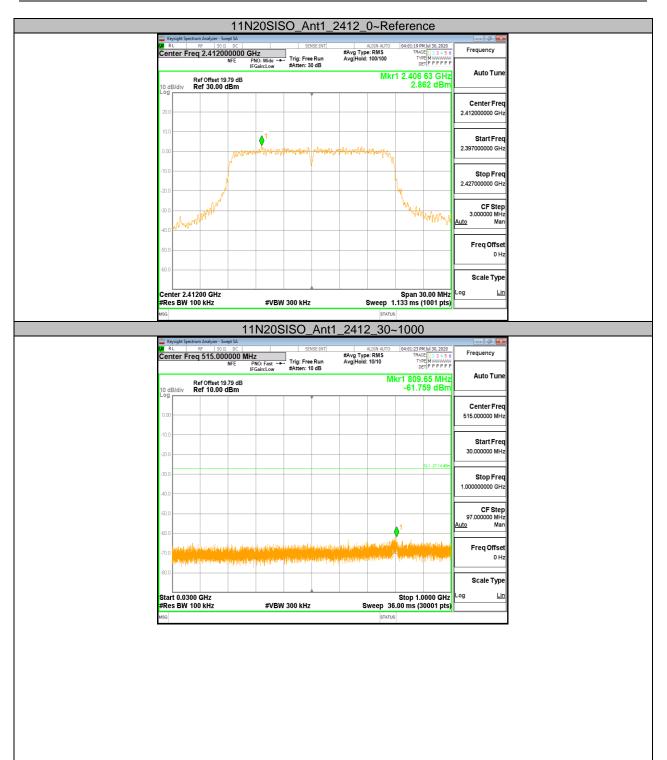
	Keysight Spectru	m Analyzer - S	wept SA						nce		- 2 <mark>×</mark>
Ce	nter Fred	DE 50 (	00000 G	PNO: Wide +	📕 Trig: Fr	ENSE:INT	#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 100/100	03:48:59 F TRA T)	PM Jul 30, 2020 CE 1 2 3 4 5 6 PE M	Frequency
10 /	R dB/div R	ef Offset 1 ef 30.00	9.79 dB	IFGain:Low	#Atten:	30 dB		Mkr	1 2.443	87 GHz 03 dBm	Auto Tune
20.						Ĭ					Center Freq
10.											2.437000000 GHz
0.0	0		mont	the horizon	MANNA	y Amaria	helyoterney	where			Start Freq 2.422000000 GHz
-10.	0					¥		h h			Stop Freq 2.45200000 GHz
-20.		N	N						Y <sub>N</sub>		CF Step
-40.		WW							. M	untiliting	3.000000 MHz <u>Auto</u> Man
-50.	0										Freq Offset 0 Hz
-60.1	•										Scale Type
	nter 2.437 es BW 10			#VB	W 300 kH			Sween 1	Span 3	30.00 MHz (1001 pts)	Log <u>Lin</u>
msg	CS DW 10	U KHZ		#VD	44 JUU KH	2		STATUS		(1001 pts)	
				11(	G_An	t1_24	37_3	0~100	)0		
( <b>X</b> 1		RF 50 9	Ω DC			ENSE:INT		ALIGN AUTO	03:49:04 F	M Jul 30, 2020	Frequency
Ce	nter Fred	q 515.00	NFE	<b>IZ</b> PNO: Fast ← IFGain:Low	→ Trig: Fr #Atten:	ree Run 10 dB	#Avg Typ Avg Hold	: 10/10	0	0E 1 2 3 4 5 6 PE M ET P P P P P P	
10 d Log	dB/div 🖪	ef Offset 1 ef 10.00	9.79 dB dBm			· ·		M	kr1 813 -61.7	.86 MHz '21 dBm	Auto Tune
0.0	0										Center Freq 515.000000 MHz
-10.	0										Start Freq
-20.1										DL1 -27.80 dBm	30.000000 MHz
-30.1											Stop Freq 1.00000000 GHz
											CF Step 97.000000 MHz
-50.1	0								<b>1</b>		<u>Auto</u> Man
	0			du.				بالدا وليانه	Janes	بالمراسل	
-50.1 -60.1 -70.1	o Plutine (M)	ever (komplik ) del code (pike	kontester Herperate	quad kipina ki Kipina ana kisi	na yikinada Na pikinada	han a kana da Angara kangarang	la la tradição de la constitución d A la constitución de la constitución	an dalam kada Mangana	lahannan <sup>Han</sup> nan hij	ebenlastina petitionilas	Freq Offset 0 Hz
-50.1 -60.1 -70.1 -80.1		p de la conte de la la conte de la cont La conte de la c	kalanda sehitun Indoneyyan alan	gradeligaariet d <mark>aaleen serviet</mark>	navyki nako vykateraty	la estanatio pps://www.e	tering weight	in del persola Persona		a data data	0 Hz Scale Type
-50.1 -80.1 -70.1 -80.1 Sta	o Plutine (M)	GHz	kalanda salakan Na karyan talah	d <mark>i Aserbania)</mark>	W 300 KH	(Andrea Scholassie)	h da haa biya da aa da		Stop 1.	(1995) (1995) (1995) (1995) (1995) (1995)	0 Hz Scale Type Log <u>Lin</u>



Frequency         Projection       Projection <th colspan="2" projection<<="" th=""><th></th><th>Keysight Spectrum RL R</th><th></th><th></th><th>1</th><th>SEN</th><th>SE:INT</th><th></th><th>LIGN AUTO</th><th>03:49:27</th><th>PM Jul 30, 2020</th><th>- 6 -</th></th>	<th></th> <th>Keysight Spectrum RL R</th> <th></th> <th></th> <th>1</th> <th>SEN</th> <th>SE:INT</th> <th></th> <th>LIGN AUTO</th> <th>03:49:27</th> <th>PM Jul 30, 2020</th> <th>- 6 -</th>			Keysight Spectrum RL R			1	SEN	SE:INT		LIGN AUTO	03:49:27	PM Jul 30, 2020	- 6 -
Bet Offset 19.3 dB 10 dBlay       Mkr1 3.2.49 10 GHz 49.920 dBm       Auto Tune 49.920 dBm         Center Freq 13.7000000 GHz 10.000000 GHz 10.00000 GHz 10.0000 GHz 10.00000 GHz 10.00000 GHz 10.00000 GHz 10.	Ce	nter Freq	13.75000	00000 GI	Hz IO: Fast ↔		Run	#Avg Type Avg Hold:	:RMS 10/10	TRJ T		Frequency		
Center Freq 2.4820000 CHz Ref 03.00 GHz Ref 03.00	10	Re	f Offset 19.7	'9 dB	iain:Low	#Atten: 10	dB		Mkr	1 3.249	10 GHz	Auto Tune		
13.75000000 GHz 13.75000000 GHz 13.75000000 GHz 13.75000000 GHz 13.75000000 GHz 10.0 GHZ 1	Lo											Center Fred		
Start Freq Start 1.00 GHz Ref Offset 13/3 db Ref Offset 13/3 db	0.	10												
Stop Freq 25.0000000 GHz 40 40 40 40 40 40 40 40 40 40	-10	0												
300       400       500       500       500000000 GHz         400       400       400       400       400       400       400         400       400       400       400       400       400       400       400         400	-20	0									01.1.27.90.4De	1.00000000 GHz		
Center Freq 2.462000 CHz Freq Units Trigs Free Run Start 1.00 GHz Ref Offset 1973 dB 10 GIGIOV Ref 30.00 GIGIOV REF 10 G	-30	0												
Image: sector secto	-40	0	1											
Image: Start 1.00 GHz       #VBW 300 KHz       Stop 26.50 GHz       Scale Type         Image: Stop 26.50 GHz       #VBW 300 KHz       Stop 26.50 GHz       Scale Type         Image: Stop 26.50 GHz       #VBW 300 KHz       Stop 26.50 GHz       Scale Type         Image: Stop 26.50 GHz       #VBW 300 KHz       Stop 26.50 GHz       Scale Type         Image: Stop 26.50 GHz       #VBW 300 KHz       Stop 26.50 GHz       Frequency         Image: Stop 26.50 GHz       #VBW 300 KHz       Stop 26.50 GHz       Frequency         Image: Stop 26.50 GHz       #VBW 300 KHz       Stop 76.50 GHz       Frequency         Image: Stop 26.50 GHz       Frequency       #VBW 300 KHz       Stop 76.50 GHz       Frequency         Image: Stop 26.50 GHz       Frequency       #Image: Stop 76.50 GHz       Frequency       Frequency         Image: Stop 76.50 GHz       Frequency       #Image: Stop 76.50 GHz       Stop 76.50 GHz       Stop 76.50 GHz         Image: Stop 76.50 GHz       Image: Stop 76.50 GHz       Stop 76.50 GHz       Stop 76.50 GHz       Stop 76.50 GHz         Image: Stop 76.50 GHz       #VBW 300 KHz       Stop 76.50 GHz       Stop 76.50 GHz       Stop 76.50 GHz         Image: Stop 76.50 GHz       Freq 0ffset 19.73 Stop 76.50 GHz       Stop 76.50 GHz       Stop 76.50 GHz       Stop 76.50 GHz	-50											2.550000000 GHz		
Image: Story 26.50 GHz       Story 26.50 GHz         Story 26.50 GHz       Story 26.50 GHz         Image: Story 26.50 GHz       Story 26.50 GHz <t< td=""><td>-60</td><td></td><td></td><td> Bill</td><td>and and a state of the state of</td><td>i comprovingen Alternation and</td><td>ling lighting a distance of the second</td><td></td><td>nishiribasan Pilashaadan</td><td></td><td>a padopan<sup>anan</sup></td><td></td></t<>	-60			Bill	and and a state of the state of	i comprovingen Alternation and	ling lighting a distance of the second		nishiribasan Pilashaadan		a padopan <sup>anan</sup>			
Scale Type Start 1.00 GHz #Res BW 100 kHz #Res BW 100 kHz #Res BW 100 kHz #Res BW 100 kHz #Res BW 100 kHz #VBW 300 kHz #VBW 300 kHz Stop 26.50 GHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz #Res BW 100 kHz #VBW 300 kHz Stop 26.50 GHz Stop 26.50 GHz Stop 26.50 GHz Stop 26.50 GHz #Res BW 100 kHz #VBW 300 kHz Stop 7 eq Stop 26.50 GHz Stop 7 eq Stop 26.50 GHz Stop 7 eq Stop 26.50 GHz Stop 7 eq Stop 7	-70	• <mark></mark>		T				-						
Start 1.00 GHz       #VBW 300 kHz       Stop 26.50 GHz         #Res BW 100 kHz       #VBW 300 kHz       Stop 26.50 GHz         Into       Into       Into	-80	0										Scale Type		
Intrus         Intrus <th c<="" td=""><td>St</td><td>art 1.00 GH</td><td>Z</td><td></td><td>-43 (534)</td><td></td><td></td><td>-</td><td></td><td>Stop</td><td>26.50 GHz</td><td>Log <u>Lin</u></td></th>	<td>St</td> <td>art 1.00 GH</td> <td>Z</td> <td></td> <td>-43 (534)</td> <td></td> <td></td> <td>-</td> <td></td> <td>Stop</td> <td>26.50 GHz</td> <td>Log <u>Lin</u></td>	St	art 1.00 GH	Z		-43 (534)			-		Stop	26.50 GHz	Log <u>Lin</u>	
Reverte         Store         Store         Store         Frequency           Reverte         Store         Store         Store         Store         Frequency           Reverte         Ref Offset 19.79 dB         Mkr1 2.468 87 GHz         Store         Auto Tune           10 dB/div         Ref Offset 19.79 dB         Mkr1 2.468 87 GHz         Auto Tune           200         10 dB/div         Ref Offset 19.79 dB         Center Freq         2.46200000 GHz           200         10 dB/div         Ref Offset 19.79 dB         Mkr1 2.468 87 GHz         2.46200000 GHz           200         10 dB/div         Ref Offset 19.79 dB         Center Freq         2.46200000 GHz           200         10 dB/div         10 dB/div         10 dB/div         1         Start Freq           2.47000000 GHz         2.47000000 GHz         30000 MHz         30000 MHz         30000 MHz           2.00000 GHz         10 dB/div         10 dB/div         10 dB/div         10 dB/div         10 dB/div           00 dB/div         10 dB/div	_		KHZ		#VBW	300 KHZ		S			30001 pts)			
Image: Note of the second s		Versieht Seestern	Anabase Suga		1G_/	<u>Ant1_</u> 2	2462	_0~R	efere	nce				
Ref offset 19.79 dB         Mkr1 2.468 87 GHz         Auto Tune           10 dB/div         Ref 30.00 dBm         1.413 dBm         Center Freq           200         100         1         1.413 dBm         Start Freq           100         100         1         1         Start Freq         2.46200000 GHz           100         1         1         1         Start Freq         2.46200000 GHz           100         1         1         1         Start Freq         2.46200000 GHz           100         1         1         1         1         Start Freq           100         1         1         1         1         1           100         1         1         1         1         1         1           100         1	()41	RL R	F 50 Ω 2.462000	DC   DOOO GH	z			#Avg Type	RMS	03:54:41 TR/	PM Jul 30, 2020 CE 1 2 3 4 5 6	[		
10 dBld/v         Ref 30.00 dBm         1.413 dBm           10 dBld/v         Ref 30.00 dBm         Center Freq           200         100         1         Center Freq           200         100         1         Start Freq           200         100         1         Start Freq           24700000 GHz         2.47700000 GHz         Stop Freq           300         1         1         Stop Freq           300         1         1         1           400         1         1         1           400         1         1         1           400         1         1         1         1           400         1         1         1         1           400         1         1         1         1           400         1         1         1         1           400         1         1         1         1         1           400         1         1         1         1         1         1           400         1         1         1         1         1         1         1           500         1         1 <td< td=""><td>-</td><td></td><td></td><td>IFG</td><td>O:Wide ↔ ain:Low</td><td>#Atten: 30</td><td>dB</td><td>Avginoid.</td><td></td><td></td><td></td><td>Auto Tune</td></td<>	-			IFG	O:Wide ↔ ain:Low	#Atten: 30	dB	Avginoid.				Auto Tune		
200         2.46200000 GHz           100         1           0000	10 Lo	dB/div Re	f Offset 19.7 f 30.00 dl	'9 dB Bm		¥								
Start Freq           1         1	x	.0												
0.00         2.44700000 GHz           100         100         100 <td>10</td> <td>.0</td> <td></td>	10	.0												
10.0         Stop Freq           30.0         4.0           30.0         4.0           4.0         4.0           5	0.	.0		www.	W MARY	www.	ana ana	elenne vilgertiget	VILMAN					
247700000 GHz         247700000 GHz           300         0<	-10	.0			·	<u> </u>						Stop Freq		
300         100 <td>-20</td> <td>.0</td> <td>N</td> <td>Ņ</td> <td></td> <td></td> <td></td> <td></td> <td>h h</td> <td>ч</td> <td></td> <td>2.477000000 GHz</td>	-20	.0	N	Ņ					h h	ч		2.477000000 GHz		
Auto         Man           600         Freq Offset           600         Freq Offset           600         Scale Type           Center 2.46200 GHz         Span 30.00 MHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.133 ms (1001 pts)	-30		Arm											
000         0 Hz	-40	. where	V <sup>M</sup>							10%	MMuthalpa			
۵۵.0         Scale Type           Center 2.46200 GHz         Span 30.00 MHz           #Res BW 100 kHz         #VBW 300 kHz           Sweep 1.133 ms (1001 pts)		.0												
Center 2.46200 GHz Span 30.00 MHz Log Lin #Res BW 100 kHz #VBW 300 kHz Sweep 1.133 ms (1001 pts)	-50													
#Res BW 100 kHz #VBW 300 kHz Sweep 1.133 ms (1001 pts)		0										Scale Type		
	-60		00 GHz							Span	30.00 MHz	Log <u>Lin</u>		



EXC F	L				SENSE:I	(I) I	ALIGN AUTO	03:54:46	PM Jul 30, 2020	-
Cer	nter Free	q 515.000	NEE P	Z PNO: Fast ↔ Gain:Low	Trig: Free Ru #Atten: 10 dB	n Avg Hol	pe: RMS d: 10/10	TR/ T	ACE 1 2 3 4 5 6 APE M WWWWW DET P P P P P P	Frequency
10.1	R.	ef Offset 19 ef 10.00 (	79 dB	Gameow			М	kr1 819 -62 (	.06 MHz 003 dBm	Auto Tune
Log		er 10.00 (			Ĭ					Center Freq
0.00										515.000000 MHz
-10.0										Start Freq
-20.0										30.000000 MHz
-30.0									DL1 -28.59 dBn	Stop Freq
-40.0										1.00000000 GHz
-50.0										CF Step 97.000000 MHz
-60.0								<b>∲</b> <sup>1</sup>		<u>Auto</u> Man
-70.0	dia Alena La La L	l politic polici	ad offerfile	Unfloyed Willi Jacob Descaration	erniniserielenie wersteiniser	nearthcheadacana Ianitastacethaith	p Prog Hipplere , van der Hipplere	al a birdan <sup>11</sup> Anglad	n ferfaher light. Li bliri die serie	Freq Offset 0 Hz
-80.0		a o Brill Iar a Br	at a la serie de la c	l budda ar		the second rates				Scale Type
Sta	1 0.0300	GHz						Stop 1	.0000 GHz	
#Re MSG	s BW 10	0 kHz		#VBW	/ 300 kHz		Sweep 36	6.00 ms (	30001 pts)	
				11G_/	Ant1_2	462_100	)0~26	500		
<b>LXI</b> F	L	m Analyzer - Sw RF 50 Ω	ept SA DC		Ant1_2	π	ALIGN AUTO	03:55:09	PM Jul 30, 2020	Frequency
<b>LXI</b> F	L	RF 50 Ω	ept SA DC DOOOOO G NFE P		SENSE:I	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS	03:55:09 TR/	PMJul 30, 2020 ICE 1 2 3 4 5 6 IPE M	Frequency
00 F Cer 10 d	ter Free	RF 50 Ω	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282	CE 1 2 3 4 5 6	
Cer 10 d Log	ter Free	RF 50 Ω <b>13.7500</b> ef Offset 19	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282		Frequency Auto Tune Center Freq
10 d Log	ter Free	RF 50 Ω <b>13.7500</b> ef Offset 19	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282		Frequency Auto Tune
0.00 -10.0	ter Free	RF 50 Ω <b>13.7500</b> ef Offset 19	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282		Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq
( <u>00</u> <u>Cer</u> 10 d Log -10.0 -20.0	ter Free	RF 50 Ω <b>13.7500</b> ef Offset 19	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282	225 GHz 225 GHz 534 dBm	Frequency Auto Tune Center Freq 13.75000000 GHz
0.00 -10.0	ter Free	RF 50 Ω <b>13.7500</b> ef Offset 19	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282		Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 1.00000000 GHz Stop Freq
( <u>00</u> <u>Cer</u> 10 d Log -10.0 -20.0	ter Free	RF 50 Ω <b>13.7500</b> ef Offset 19	ept SA DC NFE P IF .79 dB	GHz NO: Fast ↔	SENSE:	rr #Avg Ty n Avg∣Hol	ALIGN AUTO pe: RMS d: 10/10	03:55:09 TRJ T 1 1 3.282	225 GHz 225 GHz 534 dBm	Frequency           Auto Tune           Center Freq           13.76000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz
(00 F Cer 10 d -10.0 -10.0 -20.0 -30.0	ter Free	PF   50 Ω 13.7500 ef Offset 19 ef 10.00 (	eet SA DC DO00000 C NFE P IF IB IB IB IB IB	HZ NO: Fast → Gain:Low	SENSE1	Avghol	ALIGN AJTO PE: RMS d: 10/10 MKr	03:55:09 TRU T 1 3.282 -48.	225 GHz 234 5 6 GHz 25 GHz 24 dBm	Frequency           Auto Tune           Center Freq           13.76000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           2.550000000 GHz
10 d Log -10.0 -20.0 -30.0	B/div R	PF   50 Ω 13.7500 ef Offset 19 ef 10.00 (	eet SA DC DO00000 C NFE P IF IB IB IB IB IB	HZ NO: Fast → Gain:Low	Sense 1: Trig: Free Run BAtten: 10 dB	rr #Avg Ty n Avg∣Hol	ALIGN AJTO PE: RMS d: 10/10 MKr	03:55:09 TRU T 1 3.282 -48.	225 GHz 234 5 6 GHz 25 GHz 24 dBm	Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           26.50000000 GHz           2550000000 GHz           2.550000000 GHz           Auto
10 d 10 d -10.0 -20.0 -30.0 -40.0	B/div R	PF   50 Ω 13.7500 ef Offset 19 ef 10.00 (	eet SA DC DO00000 C NFE P IF IB IB IB IB IB	HZ NO: Fast → Gain:Low	SENSE1	Avghol	ALIGN AJTO PE: RMS d: 10/10 MKr	03:55:09 TRU T 1 3.282 -48.	225 GHz 234 5 6 GHz 25 GHz 24 dBm	Frequency           Auto Tune           Center Freq           13.76000000 GHz           Start Freq           1.00000000 GHz           Stop Freq           26.50000000 GHz           2.550000000 GHz
10.0 -10.0 -20.0 -20.0 -40.0 -60.0	B/div R	PF   50 Ω 13.7500 ef Offset 19 ef 10.00 (	eet SA DC DO00000 C NFE P IF IB IB IB IB IB	HZ NO: Fast → Gain:Low	Sense 1: Trig: Free Run BAtten: 10 dB	Avghol	ALIGN AJTO PE: RMS d: 10/10 MKr	03:55:09 TRU T 1 3.282 -48.	225 GHz 234 5 6 GHz 25 GHz 24 dBm	Frequency Auto Tune Center Freq 13.75000000 GHz Start Freq 25.50000000 GHz 25.50000000 GHz 2.550000000 GHz 2.550000000 GHz Auto Man Freq Offset
10 d 10 d	B/div R	Pr   50 Ω 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	eet SA DC DO00000 C NFE P IF IB IB IB IB IB	SHZ NO: Fast	Sense 1: Trig: Free Run BAtten: 10 dB	Avg ty Avghot		13.282 -48.5	225 GHz 234 5 6 GHz 25 GHz 24 dBm	Frequency           Auto Tune           Center Freq           13.75000000 GHz           Start Freq           1.00000000 GHz           25.50000000 GHz           2.550000000 GHz           Auto Man           Freq Offset 0 Hz           Scale Type





11N20SISO_Ant1_2412_1000~26500           Regist Spectrum Adapter - Sneg 54           RL         RC         SENSE INT          ALION NITO         IOH 310, 2020           RL         RC         SENSE INT          ALION NITO         IOH 310, 2020           RL         RC         SENSE INT          ALION NITO         IOH 310, 2020           RL         RC         SENSE INT          ALION NITO         IOH 310, 2020           RL         PNDC F.sst         Trigs: Free Run IFGalit.2000         Arrow III         Arrow III         IOH 310, 2020           NFE         PNDC F.sst         Trigs: Free Run IFGalit.2000         Arrow III         Arrow III         IOH 310, 2020           NFE         PNDC F.sst         Trigs: Free Run IFGalit.2000         Arrow III         Arrow III         IIII         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
Image: New Set	- 2 -
	Frequency
Bes Office 40 70 dB Mkr1 3.215 95 GHz	Auto Tune
Ref Offset 19.79 dB WIKT 3.215 95 GHZ 10 dB/div Ref 10.00 dBm -48.640 dBm -48.640 dBm	
0.00 1 1	Center Freq 3.75000000 GHz
-10.0	
	Start Freq 1.00000000 GHz
DL1-27.14 dBm	
30.0	Stop Freq 6.50000000 GHz
40.0	
	CF Step 2.55000000 GHz <u>ito</u> Man
700	Freq Offset 0 Hz
800	Scale Type
Start 1.00 GHz Stop 26.50 GHz	
Marc         BW 100 kHz         #VBW 300 kHz         Sweep         938.0 ms (30001 pts)           Mss         status         status         status	
11N20SISO_Ant1_2437_0~Reference	
Keysight Spectrum Analyzer - Swept SA	- 2 <b>×</b>
RL RE 50.0 DC SENSE:INT ALTO 04:07:04 PM Jul 30, 2020	Frequency
Center Freq 2.437000000 GHz         Trig: Free Run         Avg Type: RMS         Trace Free Avg Type: RMS           NFE         PNC: Wide ++         Trig: Free Run         Avg Hold: 100/100         Tree Mixed Avg           IFGainLow         #Atten: 30 dB         Get(P P P P P P P         Get(P P P P P P P	
Ref Offset 19.79 dB         Mkr1 2.436 34 GHz           10 dB/div         Ref 30.00 dBm         2.446 dBm	Auto Tune
	Center Freq
20.0	2.437000000 GHz
	Start Freq
monthing manufation and a second framework and a second	2.422000000 GHz
-10.0	Stop Freq
	2.452000000 GHz
300	CF Step 3.000000 MHz
	<u>uto</u> Man
	Freq Offset
-50.0	0 Hz
800	
60.0	Scale Type

				N20S	ISO_	_Ant	1_243	7_30~	-1000	)	
(21	RL	m Analyzer - Swep RF 50 Ω <b>515.000</b>	DC		SE	NSE:INT	#Avg Ty	ALIGN AUTO	04:07:09 P	MJul 30, 2020	Frequency
66	III.EI FIEU		NEE PN	O:Fast ↔ ain:Low	Trig: Fre #Atten: 1	e Run 0 dB	Avg Hold	: 10/10	D	DE 1 2 3 4 5 6 PE M WWW ET P P P P P P	
10 c	dB/div R	ef Offset 19.3 ef 10.00 d	79 dB Bm					М		.74 MHz 90 dBm	Auto Tune
0.0											Center Freq
											515.000000 MHz
-10.	)										Start Freq 30.000000 MHz
-20.	3									DL1 -27.55 dBm	30.00000 WH2
-30.	0										Stop Freq 1.00000000 GHz
-40.	0										
-50.	D										CF Step 97.000000 MHz Auto Man
-60.1										·	Auto Man
-70.	o <mark>Italifandia</mark> Jahortan	he periosi puni Note Nater bita	hannan An ann an an	hriffilaith Lathactr	nglydaersyddolae 14 mil oddolaes	tingikhan minimal	las (quel (gent) bol Rener de la destrite	n an	and the standard states of the	e november Alla interne	Freq Offset 0 Hz
-80.	0 1 Ladison M	يغملت فالتنا	لم بالمربقات بلا	alt also a			e locale es				Occile Trans
Sta	art 0.0300	CH7							Stop 1	0000 GHz	Scale Type
#R	es BW 10			#VBW	300 kHz		5	status	6.00 ms (3	80001 pts)	
MSG			11N2	20515	SO A	nt1	2437_			00	
		m Analyzer - Swep RF 50 Ω	pt SA			NSE:INT		ALIGN AUTO			
Ce	nter Freq	13.7500	00000 0	Hz O:Fast ↔ ain:Low			#Avg Ty Avg Hold	e:RMS	TRA TY D	DE 1 2 3 4 5 6 PE M WWWWW ET P P P P P P	Frequency
	R	ef Offset 19.	79 dB	ani.cow				Mkr	1 3.249	10 GHz 73 dBm	Auto Tune
Log	dB/div R	ef 10.00 d	вm			ľ					Center Freq
0.0	0										13.750000000 GHz
-10.	o										Start Freq
-20.	o										1.000000000 GHz
-30.	0									DL1 -27.55 dBm	Stop Freq
-40.	0										26.50000000 GHz
-50.	0	1									CF Step 2.55000000 GHz
-60.		In the second		المحما	du hada - Tab	A Dell Hores	ر. الارتبار الم	a di sa	James	a hi ann	Auto Man
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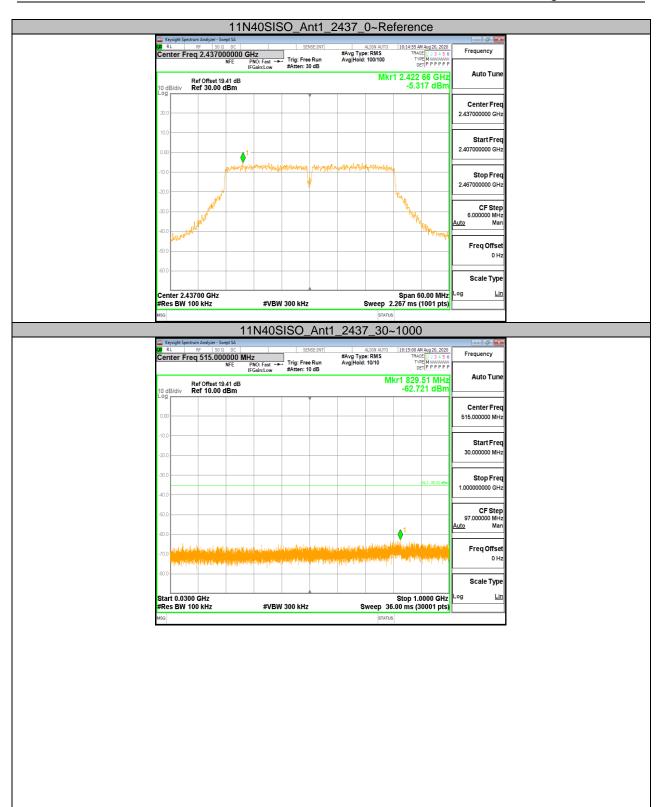
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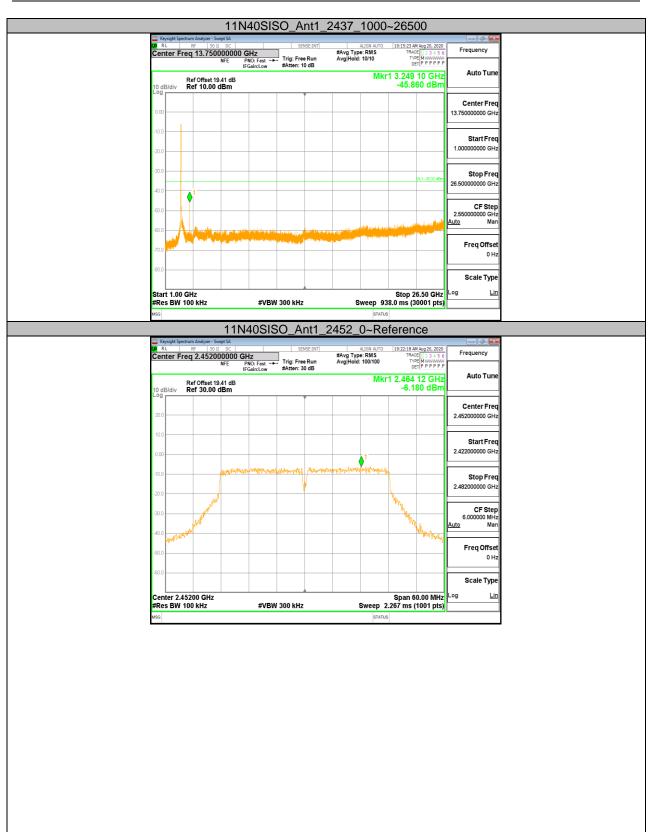
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Report Spectrum Autoryser. Seet SA         Source         State Source         Frequency           NE         Source         State Source         Auto Tune         Auto Tune           NE         State Source         Auto Tune         Auto Tune         Auto Tune           NE         State Source         Auto Tune         Auto Tune         Auto Tune           10 dB/dv         Ref Offset 19.46 dB         Mkr1 2.434 12 GHz         Auto Tune           0 dB/dv         Ref Offset 19.46 dB         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref Offset 19.46 dB         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref Offset 19.46 dB         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref Offset 19.46 dB         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref 00000 GHz         -4.730 dBm         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref 00000 GHz         -4.730 dBm         -4.730 dBm         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref 00000 GHz         -4.730 dBm         -4.730 dBm         -4.730 dBm         -4.730 dBm           0 dB/dv         Ref 000000 GHz         -4.730 dBm         -4.730 dBm         -4.730 dBm         -4.730 dBm           0 dB/dv <td>Registing Section         Section</td>	Registing Section		
Center Freq 2.42200000 GHz         Trig: Free Run IFGainLow         #Avg Type: RMS AvglHold: 100100         Trig: Free Run IfGainLow         #Avg Type: RMS Trig: Free Run IfGainLow         Trig: Free Run IfGainLow         Auto Tune           000         000         0000         00000         0000000         0000000         00000000000000         00000000	Center Freq 2.42200000 GHz         MFE         PHO: Fast →→         Trig: Free Run #Atten: 30 dB         #Avg Type: RMS AvgHold: 1001 MS         Trace: 13.3.5 bit		
Ref Offset 19.46 dB         Mkr1 2.434 12 GHz         Auto Tune           10 dB/div         Ref 30.00 dBm         -4.730 dBm         Center Freq           20	Ref Offset 19.46 dB         Mkr1 2.434 12 GHz         Auto Tune           10 dBidiv         Ref 30.00 dBm         -4.730 dBm         Center Freq           200		
Ref 30.00 dBm         -4.730 dBm           10 dBidly         Ref 30.00 dBm         -4.730 dBm           200         -4.730 dBm         -4.730 dBm           100         -4.740 dBm         -4.740 dBm           100	Ref Offset 19.46 dB         INK 1 2504 12 GTZ           10 dB/div         Ref 30.00 dBm         -4.730 dBm           200         -4.730 dBm         2.42200000 GHz           100         -4.730 dBm         Start Freq           200         -4.730 dBm         -4.2200000 GHz           100         -4.740 dBm         -4.2200000 GHz           100         -4.740 dBm         -4.2200000 GHz           100         -4.740 dBm         -4.24200000 GHz           100         -4.24200000 GHz         -4.24200000 GHz           100         -4.2420000 GHz         -4.24200000 GHz           100         -4.24200000 GHz         -4.24200000 GHz		
Control         Center Freq         Center Center         Center	Log         Center Freq           200         2.42200000 GHz           100         1           000         1		
200         242200000 GHz           100         1         1         1           100         1         1         1         1         1           100         1	200         2.42200000 GHz           100         Start Freq           2.00         1           000         1		
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300     Image: Constraint in the second	CE Sten		
300         CF Step 5.00000 MHz           400	CE Sten		
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Sol         Freq Onset         OHz           Scale Type         Log         Log         Log           #Res BW 100 kHz         #VBW 300 kHz         Sweep 2.267 ms (1001 pts)         Log			
600         0 Hz           600 <td< td=""><td></td></td<>			
Center 2.42200 GHz         Scale Type           #Res BW 100 kHz         #VBW 300 kHz         Sweep 2.267 ms (1001 pts)			
#Res BW 100 kHz #VBW 300 kHz Sweep 2.267 ms (1001 pts)			

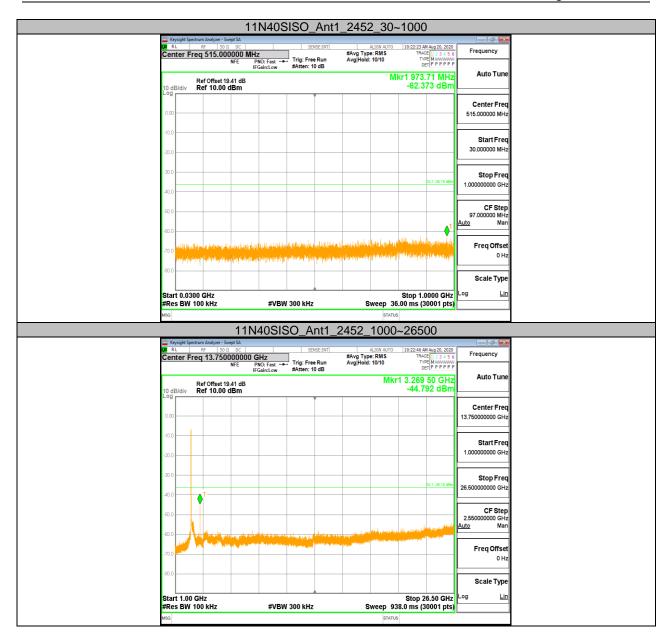
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(X)	RL		RF	50 Ω	DC   00000 (	GHz		SENSE:INT	#Avg Typ	e:RMS	10:07:58 TRA	AM Aug 20, 2020 CE 1 2 3 4 5 6	Frequency
				N	FE I	NO: Fast Gain:Low	Trig: F #Atter	ree Run : 10 dB	Avg Hold			CE 1 2 3 4 5 6 (PE M WWWW DET P P P P P P	Auto Tune
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# **END OF REPORT**