

gilent Spectrum Analyzer - S RL RF 50	Ω AC	SENSE:INT	ALIGNAUTO	08:32:32 AMNov 18, 2024	Frequency
Center Freq 2.4415	500000 GHz PNO: Wide C IFGain:Low	➡ Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 123456 TYPE MWWWWW DET PNNNN	Trequency
Ref Offset 2 0 dB/div Ref 20.00	2.6 dB		Mkr1	2.441 164 GHz -2.554 dBm	Auto Tur
0 dB/div Ref 20.00					Contor Fra
0.00	<b></b> 1			2 2	Center Fre 2.441500000 GH
10.0		$\sim\sim\sim\sim\sim\sim\sim$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- man	
20.0					Start Fre 2.440500000 GH
40.0					2.440500000 GF
50.0					Stop Fre
70.0					2.442500000 GH
Center 2.441500 GH				Span 2.000 MHz	CF Ste
Res BW 30 kHz		W 100 kHz		2.133 ms (1001 pts)	200.000 kH Auto Ma
IKR MODE TRC SCL	× 2.441 164 GHz	-2.554 dBm	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Nato Ma
2 N 1 f 3 4	2.442 166 GHz	-2.447 dBm			Freq Offs
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8					
9 10 11					
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SG				S	
		FS NVNT 2-I	statu DH1 2480MHz	S	
gilent Spectrum Analyzer - S	wept SA Ω AC	FS NVNT 2-I	DH1 2480MHz	09:35:10 AMNov 18, 2024	Frequency
gilent Spectrum Analyzer - S RL RF 50	wept SA Ω AC	SENSE:INT	DH1 2480MHz	s	Frequency
gilent Spectrum Analyzer - S RL RF 50 Center Freq 2.4795 Ref Offset 2	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	
RE RECONSISTENT REPORTS	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	S 08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MUMUMUM DET P.N.N.N.N.N	
RE REFORMENT	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre
RE Configure 2.4795	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre
gilent Spectrum Analyzer - S           RL         RF         SO           Center Freq 2.4795         Ref Offset 2         Ref Offset 2           0 dB/div         Ref 20.00         0           0 0         0         0         0           0 0         0         0         0           20 0         0         0         0	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre 2.479500000 GH
gilent Spectrum Analyzer - S ( RL RF SO Center Freq 2.4795 Ref Offset 2 0 dB/div Ref 20.00 0 0 10 0 20 0 30 0	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre 2.47950000 GF Start Fre
RL         RF         S0           center Freq 2.4795         Ref Offset2         0 dB/div         Ref Offset2         0 dB/div         Ref 20.00         0 dB/div         0 d	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre 2.47950000 GH Start Fre 2.478500000 GH
glient Spectrum Analyzer - S ( RL RF SO Center Freq 2.4795 Ref Offset 2 0 dB/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	wept SA Q AC 500000 GHz PNO: Wide C IFGain:Low 2.61 dB	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH Stop Fre
Ref Offset 2           0 dB/div         Ref 2.4795           0 dB/div         Ref 2.0.00           0 dB/div         Ref 20.00           0 dB/div         Ref 2.4795	wept SA Q AC PRO: Wide C IFGain:Low 2.61 dB 0 dBm	SENSE:INT	DH1 2480MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold>100/100	S 08:35:10 AMNov 18, 2024 TRACE 12:23:45 6 TYPE MAXMAN 2.479:166 GHz -1.672 dBm 2.479:166 GHz -1.672 dBm	Auto Tur Center Fre 2.479500000 GH 2.478500000 GH Stop Fre 2.480500000 GH
glient Spectrum Analyzer - S           RL         RF         SO           center Freq 2.4795         Ref Offset 2         Odfset 2           0 dB/div         Ref 200.00         0           0 00	wept SA Ω AC PHZ PHO: Wide C IFGain:Low 2.61 dB 0 dBm 1 1 2 2 2 2 2 2 2 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:INT	DH1 2480MHz	08:35:10 AMNov 18, 2024 TRACE 12 2 3 4 5 6 TYPE MAXMANN DET PINNINI 2.479 166 GHz	Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH Stop Fre 2.480500000 GH
gilent Spectrum Analyzer - S           Rt         RF         ISO           center Freq 2.4795         Ref Offset2         0           0 dB/div         Ref Offset2         0           0 dB/div         Ref 20.00         0           0 g         0         0         0           0 g         0         0         0         0           0 g         0         0         0         0         0           0 g         0	xept SA Q AC BHZ PRO: Wile C IFGain:Low 2.61 dB 0 dBm 1 1 1 2 z #VB	SENSE:INT	DH1 2480MHz	s 08:35:10 AMNov 18,2024 TRACE 12:23:45 6 TYPE MAXMANN 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm	Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH Stop Fre 2.480500000 GH CF Ste 200.000 kH
glient Spectrum Analyzer - S           RL         RF         SO           Center Freq 2.4795         Ref Offset 2         Ref Offset 2           O dB/div         Ref 20.00         Ref 20.00           O d0         A d0         A d0         A d0           Center 2.479500         GH         A d0         A d1         F           Z         N         1         F         Z         N         1         F	vept SA Q AC Provide C Provide C IFGain:Low 2.61 dB 0 dBm 1 1 2 z #VB	SENSE:INT	DH1 2480MHz	s 08:35:10 AMNov 18,2024 TRACE 12:24:56 TYPE MAXMAN 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm -1.672 dBm	Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH 2.480500000 GH 2.480500000 GH CF Ste 200.000 kH Auto Ma
glient Spectrum Analyzer - S Center Freq 2.4795 Ref Offset 2 Ref Offset 2 0 dB/div Ref 20.00 0 dB/div	xept SA Q AC B FRO: Wide C IFGain:Low 2.61 dB dBm 2.61 dB 2.61 dB 2.41 dB 2.41 dB 4.41 dB 4	SENSE:INT Trig: Free Run #Atten: 30 dB	DH1 2480MHz	s 08:35:10 AMNov 18,2024 TRACE 12:24:56 TYPE MAXMAN 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm -1.672 dBm	Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH 2.480500000 GH 2.480500000 GH 2.480500000 GH CF Ste 200.000 kH Auto Ma
glient Spectrum Analyzer - S           R         RF         SO           Center Freq 2.4795         Ref Offset 2         Ref Offset 2           0 dB/div         Ref 20.00         G         G           0 g         Ref Offset 2         Ref 00         G         G           0 g         Ref 00         Ref 00         G         G         G           0 g         Ref 00         Ref 00         Ref 00         G <thg< td=""><td>xept SA Q AC B FRO: Wide C IFGain:Low 2.61 dB dBm 2.61 dB 2.61 dB 2.41 dB 2.41 dB 4.41 dB 4</td><td>SENSE:INT Trig: Free Run #Atten: 30 dB</td><td>DH1 2480MHz</td><td>s 08:35:10 AMNov 18,2024 TRACE 12:24:56 TYPE MAXMAN 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm -1.672 dBm</td><td>Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH 2.480500000 GH 2.480500000 GH 2.480500000 GH CF Ste 200.000 kH Auto Ma</td></thg<>	xept SA Q AC B FRO: Wide C IFGain:Low 2.61 dB dBm 2.61 dB 2.61 dB 2.41 dB 2.41 dB 4.41 dB 4	SENSE:INT Trig: Free Run #Atten: 30 dB	DH1 2480MHz	s 08:35:10 AMNov 18,2024 TRACE 12:24:56 TYPE MAXMAN 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm -1.672 dBm	Auto Tur Center Fre 2.479500000 GH Start Fre 2.478500000 GH 2.480500000 GH 2.480500000 GH 2.480500000 GH CF Ste 200.000 kH Auto Ma
Ref Offset 2           0 dB/div         Ref Offset 2           0 dB/div         Ref 20.00           0 dB/div         R	xept SA Q AC B FRO: Wide C IFGain:Low 2.61 dB dBm 2.61 dB 2.61 dB 2.41 dB 2.41 dB 4.41 dB 4	SENSE:INT Trig: Free Run #Atten: 30 dB	DH1 2480MHz	s 08:35:10 AMNov 18,2024 TRACE 12:24:56 TYPE MAXMAN 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm 2.479 166 GHz -1.672 dBm -1.672 dBm	Auto Tun Center Fre 2.479500000 GF Start Fre 2.478500000 GF 2.480500000 GF CF Ste 200.000 kF

Edition: B.2

No.: BCTC/RF-EMC-005



gilent Spectrum Analyzer - RL RF 5		SENSE:INT	ALIGN AUTO	08:47:45 AMNov 18, 2024	
enter Freq 2.402	500000 GHz PNO: Wide	👝 Trig: Free Run	Avg Type: Log-Pwr Avg Hold:>100/100	TRACE 123456 TYPE MWWWWW DET P N N N N	Frequency
Ref Offset		v #Atten: 30 db	Mkr1	2.401 854 GHz -4.669 dBm	Auto Tur
0 dB/div Ref 20.0	0 dBm			-4.009 0.011	
0.00	1		<mark>2</mark>		Center Fre 2.402500000 GH
10.0			Jan Xumm		2.40200000 GI
20.0					Start Fre
30.0					2.401500000 Gł
40.0 50.0					
60.0					Stop Fre 2.403500000 GH
70.0					2.405500000 GI
Center 2.402500 GH Res BW 30 kHz		'BW 100 kHz	Sween 2	Span 2.000 MHz .133 ms (1001 pts)	CF Ste 200.000 kł
KR MODE TRC SCL	×		INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
1 N 1 f 2 N 1 f	2.401 854 GHz 2.402 856 GHz	-4.669 dBm -4.777 dBm			
3 4					Freq Offs
5 6 7					
8					
10					
				>	
SG				3	
		CFS NVNT 3-I	status DH1 2441MHz	3	
gilent Spectrum Analyzer - RL RF Si	Swept SA D Ω AC	CFS NVNT 3-I	DH1 2441MHz	08:50:07 AMNov 18, 2024	Frequency
gilent Spectrum Analyzer - RL RF Si	Swept SA D Ω AC	SENSE:INT	DH1 2441MHz	3	Frequency
gilent Spectrum Analyzer RL RF Si Center Freq 2.441	Swept SA D Q AC <b>GHz</b> PNO: Wide IFGain:Lov	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 0 29 4 5 6 TYPE MAXMANNIN DET P.N.N.N.N 2.441 168 GH2	
pilent Spectrum Analyzer RL RF S center Freq 2.441 Ref Offset 0.dB/div Ref 20.0	Swept SA O & AC FO00000 GHz PNO: Wide IFGain:Lov 2.6 dB	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 3 5 6 TYPE MUNICATION N N	
ellent Spectrum Analyzer RL RF S Center Freq 2.441 Ref Offset 0 dB/div Ref 20.0	Swept SA O & AC FO00000 GHz PNO: Wide IFGain:Lov 2.6 dB	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 0 29 4 5 6 TYPE MAXMANNIN DET P.N.N.N.N 2.441 168 GH2	Auto Tur Center Fre
effent Spectrum Analyzer RL RF S center Freq 2.441 Ref Offset 0 dB/div Ref 20.0	Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm	Auto Tur Center Fre
effent Spectrum Analyzer RL RF S Center Freq 2.441 Ref Offset 0 dB/div Ref 20.0	Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm	Auto Tur Center Fre 2.441500000 Gł
pilent Spectrum Analyzer RL RF S Center Freq 2.441 Ref Offset 0 dB/div Ref 20.0	Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm	Auto Tur Center Fre 2.441500000 GH Start Fre
Rt         RF         Si           Center Freq 2.441         Ref Offset         Si           0 dB/div         Ref 20.0         Si           0 00         0         0         Si           0 00         0         0         Si         Si           0 00         0         0         0         Si         Si           0 00         0         0         0         Si         Si         Si           0 00         0         0         0         Si         Si <t< td=""><td>Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm</td><td>SENSE:INT</td><td>DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:&gt;100/100</td><td>08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm</td><td>Auto Tur Center Fre 2.441500000 GH Start Fre</td></t<>	Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm	Auto Tur Center Fre 2.441500000 GH Start Fre
Rt         RF         Si           Center Freq 2.441         Ref Offset         Si           0 dB/div         Ref 20.0         Si           0 00         0         0         Si           0 00         0         0         Si         Si           0 00         0         0         0         Si         Si           0 00         0         0         0         Si         Si         Si           0 00         0         0         0         Si         Si <t< td=""><td>Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm</td><td>SENSE:INT</td><td>DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:&gt;100/100</td><td>08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm</td><td>Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre</td></t<>	Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre
glient Spectrum Analyzer           RE         Si           Center Freq 2.441         Ref Offset           OdB/div         Ref Offset           0 dB/div         Ref 20.0           0 g         0           0 dB/div         Ref 20.0           0 dB/div         Ref 20.0           0 g         0           0 dB         0         0           0 dB         0         0           0 dB         0         0         0           0 dB         0         0         0         0           0 dD         0         0         0         0	Swept SA 00 AC 500000 GHz PNO: Wide IFGain:Lov 2.6 dB 0 dBm	SENSE:INT	DH1 2441MHz ALIGNAUTO Avg Type: Log-Pwr Avg Hold:>100/100	08:50:07 AMNov 18, 2024 TRACE 12 2 4 5 6 TYPE MANAGEMAN DET P.NNNN 2.441 168 GHz -3.377 dBm	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre
Rit         RF         Si           RL         RF         Si           center Freq 2.441         Ref Offset         Si           0 dB/div         Ref 20.0         Si	Swept SA D2 AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1	SENSE:INT	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 19 23 4 5 G TYPE MINIMUM 2.441 168 GHz -3.3777 dBm	Auto Tur Center Fre 2.441500000 GH 2.440500000 GH Stop Fre 2.442500000 GH
glient Spectrum Analyzer RL RF S center Freq 2.441 Ref Offset 0 dB/div Ref 20.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Swept SA DR AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1	BW 100 kHz	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 12 24 5 G TYPE MAXWAVE 2.441 168 GHz -3.377 dBm 2.441 168 gHz -3.377 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre 2.442500000 GH CF Ste 200.000 kH
glient Spectrum Analyzer RL RF S center Freq 2.441 Ref Offset 0 dB/div Ref 20.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Swept SA OR AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1 12 #V ×	SENSE:INT Trig: Free Run #Atten: 30 dB BW 100 kHz S 377 dBm	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 19 23 4 5 G TYPE MINIMUM 2.441 168 GHz -3.3777 dBm	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre 2.442500000 GH CF Ste 200.000 kH
glient Spectrum Analyzer           RL         RF         State           center Freq 2.441           Ref Offset           o g           colspan="2">Ref Offset           o g           o g           o g           O (B/div         Ref 20.0           o (G)           O (G) <td>Swept SA D2 AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1 1 1 2 #V</td> <td>BW 100 kHz</td> <td>DH1 2441MHz</td> <td>08:50:07 AMNov 18, 2024 TRACE 12 24 5 G TYPE MAXWAVE 2.441 168 GHz -3.377 dBm 2.441 168 gHz -3.377 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2</td> <td>Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH</td>	Swept SA D2 AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1 1 1 2 #V	BW 100 kHz	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 12 24 5 G TYPE MAXWAVE 2.441 168 GHz -3.377 dBm 2.441 168 gHz -3.377 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH
glient Spectrum Analyzer         S           I RL         RF         S           center Freq 2.441         Ref Offset         S           0 dB/div         Ref Offset         S           0 dB         S         S           1 db         1 f         S           2 h         1 f         S	Swept SA DO AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1 12 #V 2.441 168 GHz	ENSE:INT Trig: Free Run #Atten: 30 dB	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 12 24 5 G TYPE MAXWAVE 2.441 168 GHz -3.377 dBm 2.441 168 gHz -3.377 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH Auto Ma
glient Spectrum Analyzer -           RE         RF         S1           Center Freq 2.441         Ref Offset         S2           O dB/div         Ref Offset         S2           0 g	Swept SA DO AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1 12 #V 2.441 168 GHz	ENSE:INT Trig: Free Run #Atten: 30 dB	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 12 24 5 G TYPE MAXWAVE 2.441 168 GHz -3.377 dBm 2.441 168 gHz -3.377 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH 2.442500000 GH 2.442500000 GH CF Ste 200.000 kH Auto Ma
Center Freq 2,441  Ref Offset  O dB/div Ref 20.0  O  O  O  O  O  O  O  O  O  O  O  O  O	Swept SA DO AC 500000 GHz PRO: Wide IFGain:Lov 2.6 dB 0 dBm 1 12 #V 2.441 168 GHz	ENSE:INT Trig: Free Run #Atten: 30 dB	DH1 2441MHz	08:50:07 AMNov 18, 2024 TRACE 12 24 5 G TYPE MAXWAVE 2.441 168 GHz -3.377 dBm 2.441 168 gHz -3.377 dBm -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	Auto Tur Center Fre 2.441500000 GH Start Fre 2.440500000 GH Stop Fre 2.442500000 GH CF Ste 200.000 kH

Edition: B.2

No.: BCTC/RF-EMC-005



	CFS NVNT 3-I	DH1 2480MHz		
Agilent Spectrum Analyzer - Swept SA				
RL RF 50 Ω AC     Center Freq 2.479500000 GHz	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	08:52:22 AM Nov 18, 2024 TRACE 1 2 3 4 5 6	Frequency
PNO: Wid		Avg Hold:>100/100	TYPE MWWWWWW DET P N N N N N	
IFGain:Lo	w #Atten: 30 dB			Auto Tune
Ref Offset 2.61 dB 10 dB/div Ref 20.00 dBm		WKM	2.478 850 GHz -2.731 dBm	
				O
		2		Center Freq 2.479500000 GHz
-10.0			mm	2.479500000 GHz
-20.0				
				Start Freq
-30.0				2.478500000 GHz
-40.0				
-50.0				Stop Freq
-60.0				2.480500000 GHz
-70.0				
Center 2.479500 GHz #Res BW 30 kHz #V	/BW 100 kHz	Sweep 2	Span 2.000 MHz .133 ms (1001 pts)	CF Step 200.000 kHz
MKR MODE TRC SCL X	Y FI	JNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
1 N 1 f 2.478 850 GHz	-2.731 dBm			
2 N 1 f 2.479 856 GHz	-2.614 dBm			Freq Offset
5				0 Hz
6				
8				
9				
11			×	
MSG		STATUS		

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### 13. Number Of Hopping Frequency

#### 13.1 Block Diagram Of Test Setup



#### 13.2 Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

#### 13.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set the spectrum analyzer: RBW = 100kHz. VBW = 300kHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. It may prove necessary to break the span up to sections. in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section.
4. Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

#### 13.4 Test Result

Condition	Mode	Hopping Number	Limit	Verdict
NVNT	1-DH1	79	15	Pass
NVNT	2-DH1	79	15	Pass
NVNT	3-DH1	79	15	Pass





	Норр	Test G ing No. NVN	iraphs [ 1-DH1 2441N	IHz	
Agilent Spectrum Analyzer RL RF Center Freq 2.44	50 Ω AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	09:01:04 AM Nov 18, 2024 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast C IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold:>100/100	TYPE MWWWW DET P N N N N 401 837 0 GHz	Auto Tun
Ref Offse 10 dB/div Ref 20.	t 2.6 dB 00 dBm			-0.074 dBm	
10.0 0.00	Anna a Anna a Anna Anna Anna Anna Anna	LAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		harrana A	Center Fre 2.441750000 GH
-10.0	<u> Ansaaana (Ana) na </u>	<u> Indindendinden</u>	<u>YARAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</u>	AAAAAAAAAAA	Start Fre
-30.0					2.400000000 G⊢
-50.0				\	Stop Fre 2.483500000 G⊢
70.0			<u> </u>	Stop 2.48350 GHz	CF Ste
FRes BW 100 kHz	X			000 ms (1001 pts)	8.350000 MH Auto Ma
1 N 1 f 2 N 1 f 3	2.401 837 0 GHz 2.479 993 0 GHz	-0.074 dBm 2.303 dBm			Freq Offse
4 5 6 7					0 H
8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
11			STATUS		
	Норр	ing No. NVN⁻	C2-DH1 2441N	IHz	
Agilent Spectrum Analyzer RL RF Center Freq 2.44	50 Ω AC	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	09:07:29 AMNov 18, 2024 TRACE 2 3 4 5 6	Frequency
	PNO: Fast C IFGain:Low _	Trig: Free Run #Atten: 30 dB	Avg Hold:>100/100		Auto Tun
Ref Offse 10 dB/div Ref 20.	et 2.6 dB 00 dBm			-7.752 dBm	
	<u></u>	4865666501460188668	nyanaaninaa		Center Fre 2.441750000 GH
-10.0	1000	Ланарарлалалалал	1000 - 1000		Start Fre
					2.400000000 GH
-30.0					
-40.0					
-40.0 -50.0 -70.0				Stop 2 48350 CH2	2.483500000 GH
-40.0 -50.0 -70.0 Start 2.40000 GHz #Res BW 100 kHz		W 300 kHz	Sweep 8.0	Stop 2.48350 GHz 000 ms (1001 pts)	Stop Fre 2.483500000 GH CF Stej 8.350000 MH <u>Auto</u> Ma
-40.0 -50.0 -70.0 -70.0 Start 2.40000 GHz	#VB 2.401 503 0 GHz 2.480 494 0 GHz			000 ms (1001 pts)	2.483500000 GH CF Ste 8.350000 MH
40.0 50.0 50.0 51art 2.40000 GHz Res BW 100 kHz MKR MODE TRC SCL 1 N 1 f 2 N 1 f 3 4 5 6	× 2.401 503 0 GHz	Y FL -7.752 dBm	Sweep 8.0	000 ms (1001 pts)	2.483500000 G⊢ CF Ste 8.350000 M⊢ <u>Auto</u> Ma Freq Offse
40.0 50.0 50.0 51.0 51.0 51.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	× 2.401 503 0 GHz	Y FL -7.752 dBm	Sweep 8.0	000 ms (1001 pts)	2.483500000 GH CF Ste 8.350000 MH <u>Auto</u> Ma



	zer - Swept SA				
RL RF Center Freq 2.4	50 Ω AC 41750000 GHz PN0: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold:>100/100	09:13:51 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE MWWW DET P N N N N N	Frequency
0 dB/div Ref 2	fset 2.6 dB 0.00 dBm		Mkr1 2	.401 670 0 GHz -8.183 dBm	Auto Tun
10.0 0.00 10.0 10.0	www.www.	ndundunun	MANNAWAWA		<b>Center Fre</b> 2.441750000 GH
20.0					<b>Start Fre</b> 2.400000000 GH
50.0 <mark>/</mark> 50.0 70.0					<b>Stop Fre</b> 2.483500000 GH
tart 2.40000 GH Res BW 100 kH		300 kHz		Stop 2.48350 GHz .000 ms (1001 pts)	CF Ste 8.350000 MH
1 N 1 f	× 2.401 670 0 GHz	-8.183 dBm	JNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma
2 N 1 f 3 4 5 5 6	2.480 410 5 GHz	-4.335 dBm			<b>Freq Offse</b> 0 H
7 8 9 10					

No.: BCTC/RF-EMC-005

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### 14. Dwell Time

#### 14.1 Block Diagram Of Test Setup



#### 14.2 Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

#### 14.3 Test procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

2. Set spectrum analyzer span = 0. Centred on a hopping channel;

3. Set RBW = 1MHz and VBW = 3MHz.Sweep = as necessary to capture the entire dwell time per hopping channel. Set the EUT for DH5, DH3 and DH1 packet transmitting.

4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

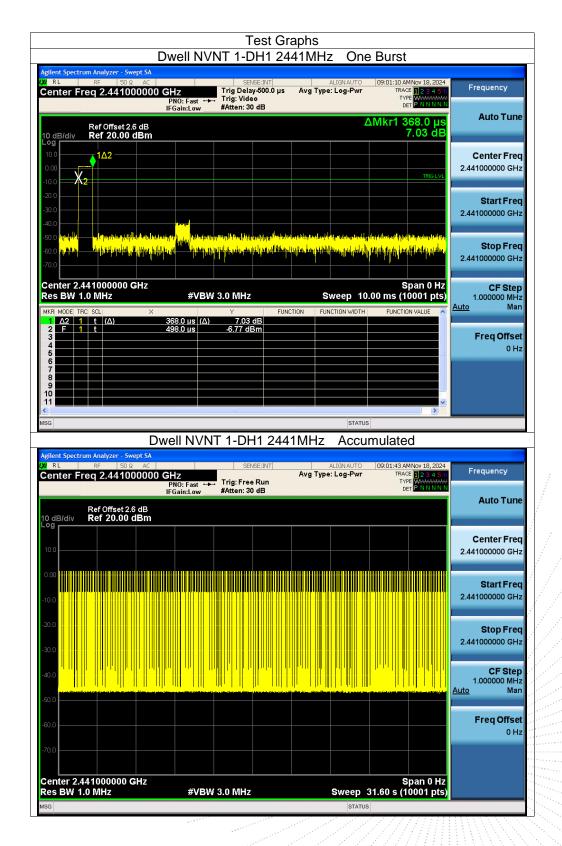
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.368	117.392	319	31600	400	Pass
NVNT	1-DH3	2441	1.624	259.84	160	31600	400	Pass
NVNT	1-DH5	2441	2.872	313.048	109	31600	400	Pass
NVNT	2-DH1	2441	0.377	120.263	319	31600	400	Pass
NVNT	2-DH3	2441	1.629	247.608	152	31600	400	Pass
NVNT	2-DH5	2441	2,878	296.434	103	31600	400	Pass
NVNT	3-DH1	2441	0.377	120.263	319	31600	400	Pass
NVNT	3-DH3	2441	1.628	249.084	153	31600	400	Pass
NVNT	3-DH5	2441	2.88	299.52	104	31600	400	Pass

#### 14.4 Test Result

Note: Total Dwell Time (ms) = Pulse Time (ms)\*Burst Count









Agilent Spectrum Analyzer - S	Dwell N				t	
Center Freq 2.4410	Ω AC 000000 GHz PN0: Fast *	SENSE:INT Trig Delay-500.0 ▶ Trig: Video		oa-Pwr TRA	MNov 18, 2024 CE 123456 PE WWWWWWW DET PNNNNN	Frequency
Ref Offset 2	IFGain:Low	#Atten: 30 dB		ΔMkr1 1		Auto Tune
Log 10.0 0.00	1Δ2					Center Freq 2.441000000 GHz
-10.0 X2					TRIG LVL	Start Freq
-40.0 -50.0 <mark>MM/Vr</mark> e		lakine esteller estenia falleter t	Hugo pallatette anno 1	hadi da kata magamati	lle"iden bereiten be	2.441000000 GHz
-60.0 4444 11 -70.0			und to a for the stand of the s			Stop Freq 2.441000000 GHz
Center 2.441000000 Res BW 1.0 MHz		W 3.0 MHz		ep 10.00 ms (′	Span 0 Hz 10001 pts) <sup>ON VALUE</sup>	<b>CF Step</b> 1.000000 MHz <u>Auto</u> Man
1         Δ2         1         t         (Δ)           2         F         1         t         3         4 <td>1.624 ms (/ 497.0 µs</td> <td>) 8.68 dB -8.18 dBm</td> <td></td> <td></td> <td></td> <td>Freq Offset 0 Hz</td>	1.624 ms (/ 497.0 µs	) 8.68 dB -8.18 dBm				Freq Offset 0 Hz
5 6 7 8 9						
10 11 <						
MSG	Dwell NV	NT 1-DH3 24	441MHz /	Accumulate	ed	
Agilent Spectrum Analyzer - S VV RL RF 50	wept SA Ω AC	SENSE:INT		SN AUTO 09:16:10 /	MNov 18, 2024	Frequency
Center Freq 2.4410	DOOOOO GHz PNO: Fast * IFGain:Low	➡ Trig: Free Run #Atten: 30 dB	Avg Type: Lo		CE 123456 PE WWWWWWWW DET PNNNNN	rrequency
Ref Offset 2 10 dB/div Ref 20.00	2.6 dB dBm					Auto Tune
Ref Offset 2 10 dB/div Ref 20.00	2.6 dB dBm					Center Freq
10 dB/div Ref 20.00	2.6 dB dBm					
10 dB/div Ref 20.00	2.6 dB : dBm					Center Freq
10 dB/div Ref 20.00	2.6 dB . dBm					Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq
10 dB/div Ref 20.00	2.6 dB : dBm					Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz
10.0 dB/div Ref 20.00	2.6 dB : dBm					Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
10 dB/div Ref 20.00	2.6 dB : dBm					Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man
10 dB/div Ref 20.00 10 0 10	2.6 dB : dBm					Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man
10 dB/div Ref 20.00	9 dBm	W 3.0 MHz		Weep 31.60 s (	Span 0 Hz	Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 4.000000 MHz 1.000000 MHz Auto Man



	ell NVNT 1-DH5 24	441MHz One	Burst	
Agilent Spectrum Analyzer - Swept SA           μx         RL         RF         50 Ω         AC           Center Freq 2.441000000 GH:	l0:Fast ↔ Trig:Video	ALIGNAUTO Avg Type: Log-Pwr	09:16:35 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	ain:Low#Atten: 30 dB	Δ	Mkr1 2.872 ms 7.61 dB	Auto Tune
Log 10.0 0.00 -10.0	162			Center Freq 2.441000000 GHz
-20.0			TRIG LVL	Start Freq 2.441000000 GHz
-50.0 <mark>Marce</mark> -60.0 <mark>A 1911 d.</mark> -70.0	tan na ni kabula ka ang kabula ka kan na kan na Kan na na kan ng kabula kan na kan	nde landerskie fan sjinse fan de ster fan de ster Nei sjoer fan de sterefere fan de sterefere Nei sjoer sterefere fan de sterefere fan de sterefere	inderediti na te providente de la dela conserva al post, e al carros te de aprocesa de la dela conserva al post, e al carros te de la dela conserva de la dela	<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10.0	Span 0 Hz 00 ms (10001 pts) FUNCTION VALUE	CF Step 1.000000 MHz <u>Auto</u> Man
1 Δ2 1 t (Δ) 2.87	72 ms (Δ) 7.61 dB 3.0 μs -15.06 dBm			<b>Freq Offset</b> 0 Hz
6 7 8 9 10				
11 MSG		STATUS		
	II NVNT 1-DH5 244	41MHz Accur	nulated	
	Z D: Fast + Trig: Free Run ain:Low #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr	09:17:08 AMNov 18, 2024 TRACE 12 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm Log				Auto Tune
10.0				Center Freq 2.441000000 GHz
0.00 + + + + + + + + + + + + + + + + + +				<b>Start Freq</b> 2.441000000 GHz
				Stop From
-20.0				2.441000000 GHz
-30.0 -40.0				CF Step 1.000000 MHz
-30.0				2.441000000 GHz CF Step 1.000000 MHz
-30.0 -40.0 -60.0				2.441000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset



Agilent Spectrum Analyzer - Swep		NT 2-DH	1 2441MHz	z One	Burst	
Agricult Spect on Analyzet 2 Shep           OW         RL         RF         50 Ω           Center Freq 2.441000	AC 0000 GHz PN0: Fast ↔	SENSE:IN Trig Delay-500 Trig: Video		ALIGN AUTO :: Log-Pwr	09:07:35 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset 2.6 10 dB/div Ref 20.00 dB	IFGain:Low dB Bm	#Atten: 30 dB		Δ	Mkr1 377.0 μs 0.19 dB	Auto Tune
						Center Freq 2.441000000 GHz
-10.0					TRIG LVL	Start Freq
-30.0 -40.0 -50.0 •••••••••••••••••••••••••••••••••••	peribility for prove ( it also for the forth of this physical	արտեղիրդերնեններվ	teller an the state of the stat	Materia da anti-	en frede pe de greite	2.441000000 GHz
-60.0 <mark>   2414   , 24  14 6)  14  14  1</mark> -70.0	n in the first of the state of the	<mark>n palapitati palati na</mark>	and a first of a group of a first of a second s	ols of long triple		<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 GH Res BW 1.0 MHz		3.0 MHz			Span 0 Hz 00 ms (10001 pts)	<b>CF Step</b> 1.000000 MHz <u>Auto</u> Man
MKR         MODE         TRC         SCL           1         Δ2         1         t         (Δ)           2         F         1         t           3	× 377.0 μs (Δ) 498.0 μs	Y 0.19 dB -2.58 dBm	FUNCTION FUN	ICTION WIDTH	FUNCTION VALUE	Freq Offset
4 5 6 7					;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	0 Hz
8 9 10 11						
MSG				STATUS	<u>&gt;</u>	
Anilant Spectrum Analyzor Swap		T 2-DH1	2441MHz	Accur	nulated	
Agilent Spectrum Analyzer - Swep (X RL RF 50 Ω Center Freq 2.441000	AC ODOO GHz PNO: Fast +	SENSE:IN	T Avg Type	Accun	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
Center Freq 2.441000 Ref Offset 2.6 c	AC AC DOOO GHZ PNO: Fast →→ IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024	Frequency Auto Tune
00 RL RF 50 Ω Center Freq 2.441000 Ref Offset 2.6 c	AC AC DOOO GHZ PNO: Fast →→ IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	
RL         RF         50 Ω           Center Freq 2.441000         Ref Offset 2.6 G           Ref Offset 2.6 G         Ref Offset 2.6 G           10 dB/div         Ref 20.00 dE	AC AC DOOO GHZ PNO: Fast →→ IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Auto Tune Center Freq
RL         RF         50 Ω           Center Freq 2.441000         Ref Offset 2.6 α         Ref 20.00 dE           10 dB/div         Ref 20.00 dE         0.00         0.0	AC AC DOOO GHZ PNO: Fast → IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Auto Tune Center Freq 2.44100000 GHz 2.441000000 GHz 2.441000000 GHz Stop Freq
RL         RF         50 Ω           Center Freq 2.441000         Ref Offset 2.6 c         Ref 20.00 dE           10 dB/div         Ref 20.00 dE         Ref 20.00 dE           10.0	AC AC DOOO GHZ PNO: Fast → IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Auto Tune Center Freq 2.44100000 GHz 2.441000000 GHz Stop Freq 2.441000000 GHz
Center Freq 2.441000 Center Freq 2.441000 Ref Offset 2.6 of Ref 20.00 dE 10.0 0.00 -10.0 -20.0	AC AC DOOO GHZ PNO: Fast → IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Auto Tune Center Freq 2.44100000 GHz Start Freq 2.441000000 GHz Stop Freq
Q         RL         RF         50 Ω           Center Freq 2.441000         Ref Offset 2.6 c         Ref 20.00 dE           10 dB/div         Ref 20.00 dE           10 0	AC AC DOOO GHZ PNO: Fast → IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Start Freq           2.441000000 GHz           Start Freq           2.441000000 GHz           Stop Freq           2.441000000 GHz           Stop Freq           1.000000 GHz
RL         RF         50 Ω           Center Freq 2.441000         Ref Offset 2.6 α         Center Freq 2.441000           10 dB/div         Ref 20.00 dE         Ref 20.00 dE           10 0	AC AC DOOO GHZ PNO: Fast → IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
RL         RF         50 Ω           Center Freq 2.441000         Ref Offset 2.6 α         Ref 20.00 dE           10 alB/div         Ref 20.00 dE         10 alb/div         10 alb/div           10 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div           -10 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div           -10 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div           -20 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div           -30 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div           -40 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div           -60 alb/div         Ref 20.00 dE         10 alb/div         10 alb/div	AC AC PNO: Fast IFGain:Low BB BM IFGain:Low IFGain:Low IFGain:Low	SENSE:IN	T Avg Type	ALIGN AUTO	09:08:08 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset



		VNT 2-DH3	2441MHz	One Bui	st	
Agilent Spectrum Analyzer - Sv XX RL RF 50: Center Freq 2.4410	Ω AC 000000 GHz PN0: Fast •	SENSE:INT Trig Delay-500.0 Trig: Video			24 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset 2	IFGain:Low 2.6 dB 1 dBm	#Atten: 30 dB		ΔMkr1	1.629 ms 0.86 dB	Auto Tune
	1Δ2					Center Freq 2.441000000 GHz
-20.0						Start Freq 2.441000000 GHz
-40.0		lite folgen ein plichte date die staat Geschilde en staat die staat die staat		and a dd parain fyfin ar dan ar	nteollogi beregdet pris Toro ficialiti atase cont	Stop Freq
-70.0		<mark></mark>	79.00.000 (1990) (1997) A		Snon 0 Ha	2.441000000 GHz
Center 2.441000000 Res BW 1.0 MHz	#VE	SW 3.0 MHz		eep 10.00 ms	Span 0 Hz s (10001 pts) NCTION VALUE	CF Step 1.000000 MHz <u>Auto</u> Man
1 Δ2 1 t (Δ) 2 F 1 t 3 4 5 5	1.629 ms (/ 498.0 μs	∆) 0.86 dB -3.06 dBm				Freq Offset 0 Hz
6 7 8 9						
10 11 MSG				STATUS		
	Dwell NV	NT 2-DH3 2	441MHz	Accumula	ited	
Agilent Spectrum Analyzer - So UN RL RF 50 : Center Freq 2.4410	Ω AC 000000 GHz PN0: Fast •	SENSE:INT	ALIO Avg Type: L		57 AMNov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset 2 10 dB/div Ref 20.00	IFGain:Low .6 dB dBm	#Atten: 30 dB				Auto Tune
10.0						Center Freq 2.441000000 GHz
						-
						2.441000000 GHz Start Freq
0.00 						2.44100000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz
0.00 -10.0 -20.0						2.44100000 GHz Start Freq 2.44100000 GHz Stop Freq
0.00 -10.0 -20.0 -30.0						2.441000000 GHz Start Freq 2.441000000 GHz Stop Freq 2.441000000 GHz CF Step 1.000000 MHz
0.00 -10.0 -20.0 -30.0 -40.0 -40.0 -50.0						2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
0.00 -10.0 -20.0 -30.0 -40.0 -60.0 		BW 3.0 MHz	S	Weep 31.60 s	Span 0 Hz 5 (10001 pts)	2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz CF Step 1.000000 MHz <u>Auto</u> Man Freq Offset

No.: BCTC/RF-EMC-005



	Dwell NVNT 2-DH	5 2441MHz One	e Burst	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC Center Freq 2.441000000			09:23:50 AMNov 18, 2024 TRACE 12345 6 TYPE WWWWWW	Frequency
Ref Offset 2.6 dB 10 dB/div <b>Ref 20.00 dB</b> m	IFGain:Low #Atten: 30 dB	Δ	Mkr1 2.878 ms -6.48 dB	Auto Tune
10.0 0.00	1Δ2		TRIG LVL	Center Freq 2.441000000 GHz
-20.0				Start Free 2.441000000 GH:
60.0 (11) (12) (12) (12) (12) (12) (12) (12)		andre neter for the foreign of the second second Second second		<b>Stop Fre</b> 2.441000000 GH
Center 2.441000000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	Sweep 10	Span 0 Hz 0.00 ms (10001 pts)	CF Step 1.000000 MH
MKR MODE TRC SCL Χ 1 Δ2 1 t (Δ) 2 F 1 t 3 4	2.878 ms (Δ) -6.48 dB 498.0 μs -3.21 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar Freq Offse 0 H:
5 6 7 8 9 9				
10 11 11 13 13 14		STATU		
	well NVNT 2-DH5		mulated	
gilent Spectrum Analyzer - Swept SA RL RF 50Ω AC Center Freq 2.441000000	O GHZ PN0: Fast ↔ Trig: Free Rui	Avg Type: Log-Pwr	09:24:23 AM Nov 18, 2024 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
Ref Offset 2.6 dB 0 dB/div Ref 20.00 dBm	IFGain:Low #Atten: 30 dB		DET PINNNN	Auto Tun
				<b>Center Fre</b> 2.441000000 GH
				<b>Start Fre</b> 2.441000000 GH
20.0				Stop Fre
				2.441000000 GH
30 0 <b></b>				CF Step 1.000000 MH
30 0 40 0 50 0				CF Stej 1.000000 MH <u>Auto</u> Ma Freq Offse
				2.44100000 GH CF Stej 1.00000 MH <u>Auto</u> Mai Freq Offse 0 H



	quency
PN0: Fast → Trig: Video IFGain:Low #Atten: 30 dB Ref Offset 2.6 dB	Auto Tune
10 dB/div Ref 20.00 dBm -0.08 dB	
0.00 2.4410	e <b>nter Freq</b> 000000 GHz
	Start Freq
	000000 GHz
-50.0 www.shawalawalawalawalawalawalawalawalawalawa	Stop Freq
	000000 GHz
Center 2.441000000 GHz Span 0 Hz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.00 ms (10001 pts) 1.0	CF Step
MKR         MODE         TRC         SEL         X         Y         FUNCTION         FUNCTION VIDTH         FUNCTION VALUE         Auto           1         Δ2         1         t         (Δ)         -0.08 dB         0.08 dB	Man
	r <b>eq Offset</b> 0 Hz
5     - <td></td>	
9 10 11	
MSG STATUS	
Dwell NVNT 3-DH1 2441MHz Accumulated	
	quency
IFGain:Low #Atten: 30 dB DET PINNINN	Auto Tune
Ref Offset 2.6 dB 10 dB/div Ref 20.00 dBm	
	enter Freq
10.0 2.4410	
	000000 GHz
<ul> <li>0.00</li> <li>100</li> <li>-200</li> </ul>	000000 GHz
	Stop Freq 000000 GHz 000000 GHz CF Step
	000000 GHz Stop Freq 000000 GHz CF Step 000000 MHz
0.00       1.00	CF Step 000000 MHz Man
0.00       0.00	Stop Freq Stop Stop GHz D00000 GHz CF Step D00000 MHz Man
0.00       0.01	Stop Freq Stop Freq D00000 GHz CF Step D00000 MHz Man req Offset



	Dwell N\				st	
Agilent Spectrum Analyzer - So W RL RF 50 : Center Freq 2.4410	Ω AC 000000 GHz PN0: Fast ↔	SENSE:INT Trig Delay-500.0 Trig: Video		IGNAUTO 09:19:2 .og-Pwr T	3 AM Nov 18, 2024 RACE <b>12 3 4 5 6</b> TYPE WWWWWW DET P N N N N N	Frequency
Ref Offset 2		#Atten: 30 dB		ΔMkr1	1.628 ms 0.10 dB	Auto Tune
10.0 0.00 10.0	1Δ2				TRIG LVL	Center Freq 2.441000000 GHz
-20.0						Start Freq 2.441000000 GHz
-50.0 4444 -60.0 4444 -70.0	and produced and the	n filmen film Filmen filmen filmen Filmen filmen	en Dalie in airlite yn Dalie yn die <mark>19 jaar 12 jaard yn die praste</mark> 19 jaar 12 jaar 12 jaar 12 gesel	<mark>a na an an</mark>	addedgeriftet Mentedig <mark>addeggeriftet die Udigtet</mark> et	<b>Stop Freq</b> 2.441000000 GHz
Center 2.441000000 Res BW 1.0 MHz		№ 3.0 MHz		eep 10.00 ms	Span 0 Hz (10001 pts)	<b>CF Step</b> 1.000000 MHz <u>Auto</u> Man
1         Δ2         1         t         (Δ)           2         F         1         t           3         -         -         -           4         -         -         -	1.628 ms (Δ) 498.0 μs	) 0.10 dB -2.45 dBm				Freq Offset 0 Hz
5 6 7 8 9 10						
MSG				STATUS	>	
		VT 3-DH3 2	441MHz	Accumula	hod	
Agilent Spectrum Analyzer - Sv				Accumula	leu	
Center Freq 2.4410	Ω AC 000000 GHz PN0: Fast ↔	SENSE:INT		GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 1 2 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
	Ω AC DOODOO GHz PNO:Fast ↔ IFGain:Low		ALI	GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 123456	Frequency Auto Tune
Center Freq 2.4410 Ref Offset 2	Ω AC DOODOO GHz PNO:Fast ↔ IFGain:Low	Trig: Free Run	ALI	GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 123456	
Center Freq 2.4410 Ref Offset 2 10 dB/div Ref 20.00	Ω AC DOODOO GHz PNO:Fast ↔ IFGain:Low	Trig: Free Run	ALI	GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 123456	Auto Tune Center Freq
Center Freq 2.4410 Ref Offset 2 10 dB/div Ref 20.00 10.0 0.00	Ω AC DOODOO GHz PNO:Fast ↔ IFGain:Low	Trig: Free Run	ALI	GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 123456	Auto Tune Center Freq 2.44100000 GHz Start Freq
Center Freq 2.4410 Ref Offset 2 O dB/div Ref 20.00 O 0.00 -0	Ω AC DOODOO GHz PNO:Fast ↔ IFGain:Low	Trig: Free Run	ALI	GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 123456	Auto Tune Center Freq 2.44100000 GHz 2.441000000 GHz Stop Freq
Center Freq 2.4410 Ref Offset2 O dB/div Ref 20.00 0.00 -10.0 -20.0 -30.0 Ref 0ffset2 Ref 0ffset3 Ref 0ffset2 Ref 0	Ω AC DOODOO GHz PNO:Fast ↔ IFGain:Low	Trig: Free Run	ALI	GNAUTO 09:19:5	6 AMNov 18, 2024 RACE 123456	Start Freq           2.441000000 GHz           Start Freq           2.441000000 GHz           Stop Freq           2.441000000 GHz           CF Step           1.000000 MHz
Center Freq 2.4410 Ref Offset 2 10 dB/div Ref 20.00 10 0 .0000	R AC DOUDO GHZ PRO: Fast HEGAIN:Low HEGAIN:L	Trig: Free Run	ALI	GNAUTO 09:19:5	6.4MNov 18, 2024	Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man Freq Offset
Center Freq 2.4410 Ref Offset 2 10 dB/div Ref 20.00 10.0 .000 .000 .000 .000 .000 .000	R AC DOUDO GHZ PRO: Fast IFGain:Low 2.6 dB dBm 0.0000 GHZ 0.0000 GHZ 0.0000 GHZ 0.0000 GHZ	Trig: Free Run	ALM Avg Type: L	GNAUTO 09:19:5	6.4MNov 18, 2024	Auto Tune Center Freq 2.441000000 GHz Start Freq 2.441000000 GHz 2.441000000 GHz 1.000000 MHz Auto Man



		vell NVNT :	3-DH5 24	41MHz	One Bu	irst	
Agilent Spectrum An W RL RF Center Freq 3	50 Ω AC 2.441000000 GH P	NO: Fast +++ Trig:	SENSE:INT Delay-500.0 µs Video	ALIG Avg Type: Lo		D:29 AM Nov 18, 2024 TRACE 123456 TYPE WWWWW DET PNNNNN	Frequency
	IF Offset 2.6 dB f 20.00 dBm	Gain:Low#Atte	en: 30 dB		ΔMkr	1 2.880 ms -1.69 dB	Auto Tune
10.0		102				TRIG LVL	<b>Center Fred</b> 2.441000000 GHz
-10.0 -20.0 -30.0							Start Fred 2.441000000 GHz
-40.0 -50.0 -60.0 <mark>Wight</mark>			ting miles and a state in the state of the s		Here the state of the states	eluluu een telut partet. Mitterini telut partet.	<b>Stop Fred</b> 2.441000000 GH
Center 2.4410 Res BW 1.0 M	IHz	#VBW 3.0 N				Span 0 Hz is (10001 pts) UNCTION VALUE	CF Step 1.000000 MH <u>Auto</u> Mar
1 △2 1 t 2 F 1 t 3 4	(Δ) 2.8		1.69 dB 35 dBm				Freq Offse
5 6 7 8 9							
10 11 (sg					STATUS	×	
		ell NVNT 3-	DH5 244	1MHz /	Accumula	ated	
gilent Spectrum An RL RF Center Freq S	50 Ω AC 2.441000000 GH P	NO: East +++ Trig:	SENSE:INT Free Run en: 30 dB	ALIG Avg Type: Lo	GN AUTO 09:2: og-Pwr	1:02 AM Nov 18, 2024 TRACE 12 3 4 5 6 TYPE WWWWW DET P N N N N N	Frequency
Ref 0 dB/div Ref	Offset 2.6 dB f 20.00 dBm	Gain:Low #Aut					Auto Tun
10.0							Center Fre 2.441000000 GH
							<b>Start Fre</b> 2.441000000 GH
20.0							<b>Stop Fre</b> 2.441000000 GH
							<b>CF Ste</b> 1.000000 MH <u>Auto</u> Ma
50.0							Freq Offse
70.0							
enter 2 4410	00000 GHz					Span 0 Hz	
es BW 1.0 M	Hz	#VBW 3.0 N	/IHz	Si	weep 31.60	s (10001 pts)	



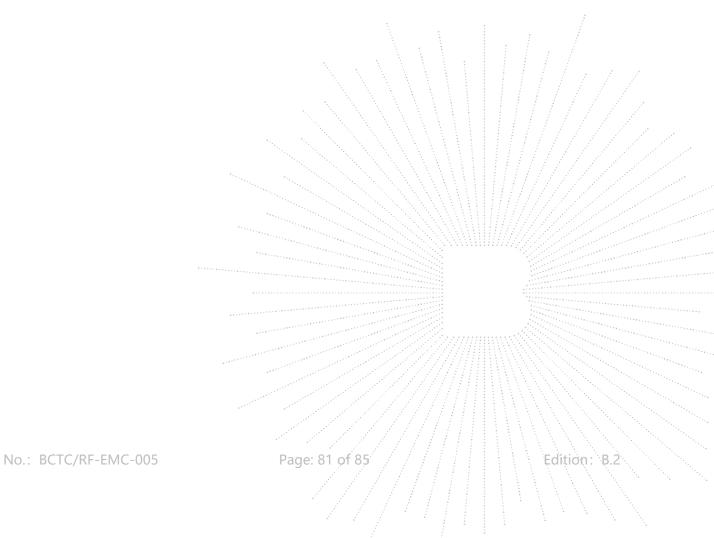
### 15. Antenna Requirement

#### 15.1 Limit

15.203 requirement: For intentional device, according to 15.203: 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.

#### 15.2 Test Result

The EUT antenna is Internal antenna, fulfill the requirement of this section.





### 16. EUT Photographs

#### EUT Photo 1



### EUT Photo 2



### NOTE: Appendix-Photographs Of EUT Constructional Details.

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### 17. EUT Test Setup Photographs

### **Conducted Emissions Photo**



**Radiated Measurement Photos** 



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### STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without the "special seal for inspection and testing".

4. The test report is invalid without the signature of the approver.

5. The test process and test result is only related to the Unit Under Test.

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. The quality system of our laboratory is in accordance with ISO/IEC17025.

8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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\*\*\*\*\* END \*\*\*\*\*

No.: BCTC/RF-EMC-005

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