

1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.042		PASS
DH5	2441	1.040		PASS
DH5	2480	1.036		PASS
2DH5	2402	1.320		PASS
2DH5	2441	1.291		PASS
2DH5	2480	1.291		PASS
3DH5	2402	1.292		PASS
3DH5	2441	1.297		PASS
3DH5	2480	1.295		PASS



	20 dB B	andwidth_DH5_	2402		
<mark>Agilent Spectrum Analyzer - Occupied BV LXI</mark> RL RF 50Ω AC		ENSE:PULSE	ALIGN AUTO	11:45:10 AM Oct 24, 2017	(
Center Freq 2.402000000	GHz Cente	er Freq: 2.402000000 GHz		Radio Std: None	Frequency
		FreeRun Avg Hold n:30 dB	a. 171	Radio Device: BTS	
Ref Offset 1.7 dB			Mkr1	2.402014 GHz	
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-60.0					
-70.0					
Center 2.402 GHz				Span 2 MHz	CF Ste
#Res BW 30 kHz	#	VBW 100 kHz		Sweep 2.133 ms	200.000 kH
Occupied Bandwidth	า	Total Power	10.3	dBm	<u>Auto</u> Ma
	99.49 kHz				
		001110		00.00	Freq Offse
Transmit Freq Error	3.256 kHz	OBW Power		0.00 %	
x dB Bandwidth	1.042 MHz	x dB	-20.	00 dB	
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👪 start		Agilent Spectrum Ana	2441	Links ×	🤹 🔒 🖗 🖻 11:45 AM
Agilent Spectrum Analyzer - Occupied BV	20 dB B	andwidth_DH5_			
Agilent Spectrum Analyzer - Occupied BV DVI RL RF 50Ω AC	20 dB B	Candwidth_DH5_	ALIGN AUTO	Linis * 11:46:48 AM Oct 24, 2017 Radio Std: None	Frequency
Agilent Spectrum Analyzer - Occupied BV DVI RL RF 50Ω AC	20 dB B GHz Cente	Bandwidth_DH5_	ALIGN AUTO	11:46:48 AM Oct 24, 2017	
Agilent Spectrum Analyzer - Occupied BV DVI RL RF 50Ω AC	20 dB B S GHz Cente →→ Trig:1	andwidth_DH5_ ENSE:PULSE rr Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO	11:46:48 AMOct 24, 2017 Radio Std: None Radio Device: BTS 1 2.44101 GHz	Frequency
Agilent Spectrum Analyzer - Occupied BV (A) RL RF 50 Ω AC Center Freq 2.441000000 Ref Offset 1.7 dB 10 dB/div Ref 20.00 dBm	20 dB B	andwidth_DH5_ ENSE:PULSE rr Freq: 2.441000000 GHz Free Run Avg Hold	ALIGNAUTO	11:46:48 AMOct 24, 2017 Radio Std: None Radio Device: BTS	Frequency
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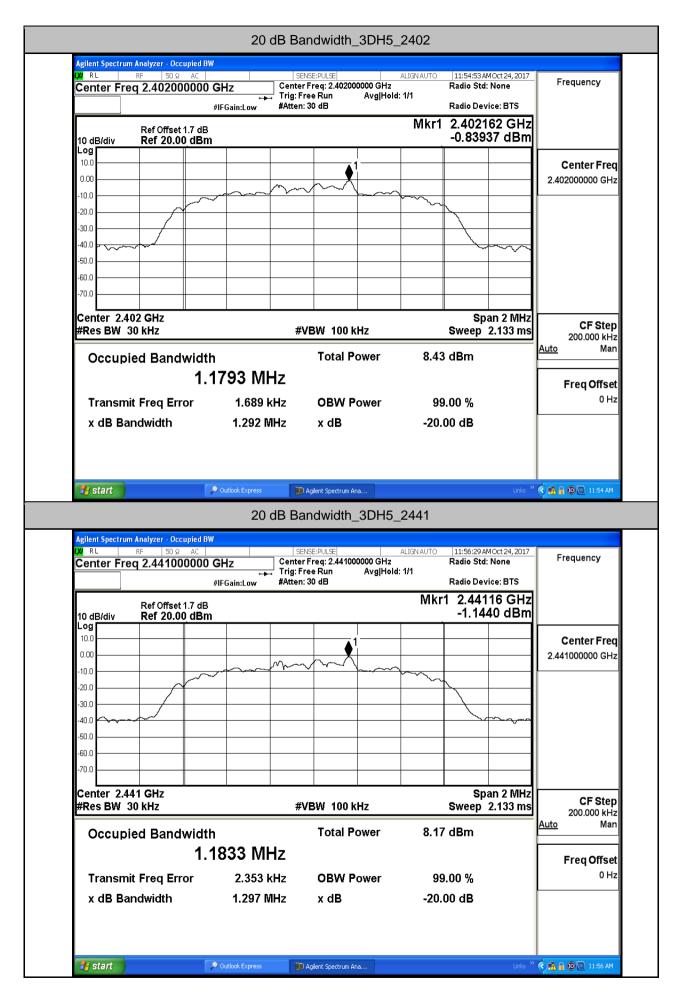


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x dB Band	dwidth	1.036	MHz	x dB		-20.	00 dB		
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	F 50Ω 4	20 ied BW AC 000 GHz	0 dB E	Sandwidth_ SENSE:PULSE ter Freq: 2.40200 : Free Run	_2DH5_	ALIGN AUTO	Radio Std:	10ct 24, 2017 None	🗭 🗗 🕲 🛄 ۱۱:48 AM
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XX RL R Center Freq 10 10 Log 10.0 10.0 10.0 10.0 10.0 -10.0	Ref Offset 1.7 Ref 20.00 c	20 ied BW AC JOOO GHZ #IFGain:Low 7 dB dBm 	0 dB E	Bandwidth_ SENSE:PULSE ter Freq: 2,40200 : Free Run en: 30 dB	_2DH5_	ALIGN AUTO d: 1/1 Mkr1	Radio Std: Radio Devi 2.4020 -2.436 Std: Spa Sweep Sweep B dBm 0.00 %	10ct24, 2017 None Ice: BTS 16 GHz 58 dBm	Frequency Center Fred 2.40200000 GH: 2.40200000 GH: 2.40200000 GH:
XX RL R Center Freq 10 10 Log 10.0 10.0 10.0 10.0 10.0 -10.0	Ref Offset 1.7 Ref 20.00 c	20 ied BW AC JOOO GHZ #IFGain:Low 7 dB dBm 	0 dB E	Bandwidth_ SENSE:PULSE ter Freq: 2,40200 : Free Run en: 30 dB	_2DH5_	ALIGN AUTO d: 1/1 Mkr1	Radio Std: Radio Devi 2.4020 -2.436 Std: Spa Sweep Sweep B dBm 0.00 %	10ct24, 2017 None Ice: BTS 16 GHz 58 dBm	Frequency Center Fred 2.402000000 GH; 2.402000000 GH; 2.40200000 GH; 2.4020000 GH; 2.4020000 GH; 2.40200000 GH; 2.40200000 GH; 2.40200000 GH; 2.40200000 GH; 2.402000000 GH; 2.40200000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.40200 GH; 2.402000 GH; 2.40200 GH; 2.40200 GH; 2.40200 GH; 2.40200 GH; 2.4020 GH; 2.40200 GH; 2.4020 GH; 2.4000 GH; 2.4020 GH; 2.402
XX RL R Center Freq 10 10 Log 10.0 10.0 10.0 10.0 10.0 -10.0	Ref Offset 1.7 Ref 20.00 c	20 ied BW AC JOOO GHZ #IFGain:Low 7 dB dBm 	0 dB E	Bandwidth_ SENSE:PULSE ter Freq: 2,40200 : Free Run en: 30 dB	_2DH5_	ALIGN AUTO d: 1/1 Mkr1	Radio Std: Radio Devi 2.4020 -2.436 Std: Spa Sweep Sweep B dBm 0.00 %	10ct24, 2017 None Ice: BTS 16 GHz 58 dBm	Frequency Center Fred 2.402000000 GH; 2.402000000 GH; 2.40200000 GH; 2.4020000 GH; 2.4020000 GH; 2.40200000 GH; 2.40200000 GH; 2.40200000 GH; 2.40200000 GH; 2.402000000 GH; 2.40200000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.4020000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.402000 GH; 2.40200 GH; 2.402000 GH; 2.40200 GH; 2.40200 GH; 2.40200 GH; 2.40200 GH; 2.4020 GH; 2.40200 GH; 2.4020 GH; 2.4000 GH; 2.4020 GH; 2.402



	20 c	B Bandwidth_2	DH5_2441		
Agilent Spectrum Analyzer - Occ IXI RL RF 50 Ω Center Freq 2.44100	AC	SENSE:PULSE Center Freq: 2.441000000 Trig: Free Run Av #Atten: 30 dB	ALIGN AUTO GHz gjHold: 1/1	11:51:47 AMOct 24, 201 Radio Std: None Radio Device: BTS	7 Frequency
Ref Offset 10 dB/div Ref 20.0			Mkr1	2.441162 GH -1.7350 dBn	
Log 10.0 0.00 -10.0 -20.0 -30.0 -20.0 -30.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Freq 2.441000000 GHz
-40.0		#VBW 100 kHz		Span 2 MH Sweep 2.133 m	≂ Z S 200.000 kHz
Occupied Band	^{width} 1.1749 M⊢	Total Powe	er 8.2'	l dBm	Auto Man Freq Offset
Transmit Freq Err x dB Bandwidth	or -263 1.291 M			9.00 % 00 dB	0 Hz
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Agilent Spectrum Analyzer - Occ C RL RF 50 Ω Center Freq 2.48000	20 c :upied BW AC	IB Bandwidth_2[sense:pulse Center Freq: 2.480000000	ALIGNAUTO I GHz /g Hold: 1/1	11:53:05 AM Oct 24, 201 Radio Std: None Radio Device: BTS	7 Frequency
<mark>Agilent Spectrum Analyzer - Occ</mark> Xt RL RF 50 Ω	20 c :upied BW AC 00000 GHz #IFGain:Low	B Bandwidth_2[SENSE:PULSE Center Freq: 2.48000000 Trig: Free Run Av	ALIGNAUTO I GHz /g Hold: 1/1	11:53:05 AM Oct 24, 201 Radio Std: None	7 Frequency
Agilent Spectrum Analyzer - Occ DX RF 50 Q Center Freq 2.48000 Ref Offset 10 dB/div Ref 20.0 10.0	20 c :upied BW AC 00000 GHz #IFGain:Low	B Bandwidth_2[SENSE:PULSE Center Freq: 2.48000000 Trig: Free Run Av	ALIGNAUTO I GHz /g Hold: 1/1	11:53:05 AM Oct 24, 201 Radio Std: None Radio Device: BTS 2.480162 GH	7 Frequency Z n Center Freq
Agilent Spectrum Analyzer - Occ X RF 50 Q Center Freq 2.48000 Io Ref Offset Log Ref 20.0 10.0	20 c :upied BW AC 00000 GHz #IFGain:Low	B Bandwidth_20	ALIGNAUTO I GHz /g Hold: 1/1	11:53:05 AMOct 24, 201 Radio Std: None Radio Device: BTS 2.480162 GH: 0.26367 dBn	7 Frequency Center Freq 2.48000000 GHz
Agilent Spectrum Analyzer - Occ XT RF 50 Q Center Freq 2.48000 Io Ref Offset 10 dB/div Ref 20.0 Io Io Jon Io Io Jon Io Io Io Jon Io Io Io Jon <th< td=""><td>20 c</td><td>B Bandwidth_2I</td><td>ALIGNAUTO I GHz IgHold: 1/1 Mkr1</td><td>11:53:05 AMOct 24, 201 Radio Std: None Radio Device: BTS 2.480162 GH: 0.26367 dBn</td><td>7 Frequency Center Freq 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.480000000 GHz 2.480000000 GHz 2.480000000 GHz</td></th<>	20 c	B Bandwidth_2I	ALIGNAUTO I GHz IgHold: 1/1 Mkr1	11:53:05 AMOct 24, 201 Radio Std: None Radio Device: BTS 2.480162 GH: 0.26367 dBn	7 Frequency Center Freq 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.48000000 GHz 2.480000000 GHz 2.480000000 GHz 2.480000000 GHz
Agilent Spectrum Analyzer - Occ X RF 50 Q Center Freq 2.48000 Io Ref Offset 10 dB/div Ref 20.0 Io 0.0 10.0 0.00 10.0 0.00 10.0 0.00 10.0 0.00 -20.0	20 c	AB Bandwidth_2I	ALIGNAUTO I GHZ IGHZ	11:53:05 AM Oct 24, 201 Radio Std: None Radio Device: BTS 2.480162 GH: 0.26367 dBn	7 Frequency 2 Center Freq 2.48000000 GHz 2.48000000 GHz







Center Fr	eq 2.480000000 (Trig:	iense:Pulse er Freq: 2.480000000 GH Free Run Avg H n: 30 dB	z old: 1/1	Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 1.7 dB Ref 20.00 dBm			Mkr1	2.480164 GHz 0.92871 dBm	
Log 10.0 0.00						Center Free 2.480000000 GH
-10.0				~~~~		
-30.0 -40.0						
-60.0						
Center 2.4 #Res BW		#	≠VBW 100 kHz		Span 2 MHz Sweep 2.133 ms	CF Ster 200.000 kH
Occup	ied Bandwidth		Total Power	10.2	2 dBm	<u>Auto</u> Mar
	nit Freq Error	802 MHz 1.822 kHz	OBW Power		0.00 %	Freq Offse 0 H
x dB B	andwidth	1.295 MHz	x dB	-20.	00 dB	



2.Occupied Bandwidth

Test Mode	Test Channel	OBW[MHz]	Limit[MHz]	Verdict

3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	2.932	30	PASS
DH5	2441	2.515	30	PASS
DH5	2480	4.700	30	PASS
2DH5	2402	2.186	30	PASS
2DH5	2441	1.895	30	PASS
2DH5	2480	3.963	30	PASS
3DH5	2402	2.310	30	PASS
3DH5	2441	1.989	30	PASS
3DH5	2480	4.107	30	PASS



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Auto Tun Center Fre .441000000 GH Start Fre
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Auto Tun Center Fre .441000000 GH .438500000 GH .438500000 GH .443500000 GH .443500000 GH .2500.000 kH .500.000 kH .500.000 kH
Auto Tun Center Fre .441000000 GH Start Fre .438500000 GH Stop Fre .443500000 GH CF Ste 500.000 kH



LXI RL		AC		SENSE	E:PULSE		ALIGN AUTO		10ct 24, 2017	Frequency
Center Fr	eq 2.48000	PI	IZ NO: Fast ↔ Gain:Low	Trig: Free #Atten: 30		Avg Type Avg Hold:		TYI DI	E 1 2 3 4 5 6 PE MWWWWW T P P P P P P	
10 dB/div Log	Ref Offset 1.7 Ref 20.00 d					M	kr1 2.47		00 GHz 00 dBm	Auto Tur
10.0				•	 1 ''					Center Fre 2.480000000 GH
-10.0										Start Fre 2.477500000 G⊦
-20.0										Stop Fre
-30.0										2.482500000 GH
-40.0										CF Ste 500.000 k⊢ <u>Auto</u> Ma
-60.0										Freq Offso
-70.0										
Center 2.43 #Res BW 3			#VBW	/ 8.0 MHz			Sweep 1	Span 5 .067 ms (.000 MHz 8001 pts)	
			utlook Express	1	ilent Spectrum A			.067 ms (8001 pts)	C 👬 🔒 🕲 🖻 11:48 AP
#Res BW 3		Cor pt SA AC 0000 GH Pt	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Output E:PULSE e Run	Ana Power_2	2DH5_2 ALIGN AUTO : Log-Pwr	067 ms (2402 11:50:28 AI TRAC	8001 pts) Links ²⁰ 10ct 24, 2017 E 1 2 3 4 5 6	Frequency
#Res BW 3	3.0 MHz m Analyzer - Swe RF 50 Ω	Cor Pt SA AC 00000 GH PT IFC dB	utlook Express	Deak (ilent Spectrum A Output E:PULSE e Run	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links **	Frequency Auto Tun
#Res BW 3	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Dutput E:PULSE e Run 0 dB	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tun Center Fre
#Res BW 3 #J start Agilent Spectru Center Fre 10 dB/div	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Output E:PULSE e Run	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tur Center Fre 2.40200000 GF
#Res BW 3 #I start Agilent Spectru XI RL Center Fre 10 dB/div Log 10.0	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Dutput E:PULSE e Run 0 dB	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tun Center Fre 2.40200000 GF Start Fre
#Res BW 3 #start Agilent Spectru VI RL Center From 10.0 0.00 -10.0 -20.0	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Dutput E:PULSE e Run 0 dB	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tun
#Res BW 3	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Dutput E:PULSE e Run 0 dB	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tur Center Fre 2.40200000 GF 2.399500000 GF 2.404500000 GF 2.404500000 GF
#Res BW 3 Agilent Spectru XI RL Center Fre 10.0 0.00 -10.0 -20.0 -30.0	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Dutput E:PULSE e Run 0 dB	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tur Center Fre 2.40200000 GF 2.399500000 GF 2.404500000 GF 2.404500000 GF
#Res BW 3 #gilent Spectru XI Center From 10.0 0.00 -10.0 -20.0 -30.0 -40.0	3.0 MHz m Analyzer - Swe RF 50 Ω eq 2.40200 Ref Offset 1.7	Cor Pt SA AC 00000 GH PT IFC dB	utook Express nductec lz N0: Fast ↔	SENSI	ilent Spectrum A Dutput E:PULSE e Run 0 dB	Ana Power_2 Avg Type Avg Hold:	2DH5_2 ALIGN AUTO : Log-Pwr 10/10	067 ms (2402 11:50:28 AI TRAC TY D 2 095 6	8001 pts) Links ³ 12 3 4 5 6 mwwwww TPPPPPP 25 GHz	Frequency Auto Tur Center Fre 2.40200000 GF 2.399500000 GF 2.404500000 GF 2.404500000 GF CF Ste 500.000 kF



Mkr1 2.441 091 250 GHz Auto Tur 1.7 dB 1.895 dBm 0 dBm 1.895 dBm 1 1 1	Center Fred	rf 50 Ω 2.441000	0000 GH	Z O: Fast ↔ ain:Low				ALIGNAUTO :: Log-Pwr 10/10	TRAC	MOct 24, 2017 3E 1 2 3 4 5 6 PE M WWWWW ET P P P P P P	Frequency
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2.443500000 GH 2.443500000 GH CF Ste 500.000 kH Auto Ma Freq Offse 0 H XWBW 8.0 MHz Span 5.000 MHz Sweep 1.067 ms (8001 pts)	-10.0							**** <u>****</u> ****			Start Fre 2.438500000 GH
Image: Speed of the spectrum Ana Image: Speed of the spectrum Ana Image: Speed of the spectrum Ana	-20.0										Stop Fre 2.443500000 GH
#VBW 8.0 MHz Sweep 1.067 ms (8001 pts) P Outlook Express Image: Aglient Spectrum Ana	-40.0										CF Ste 500.000 kH <u>Auto</u> Ma
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#VBW 8.0 MHz Sweep 1.067 ms (8001 pts) P Outlook Express Image: Aglient Spectrum Ana	-70.0	++									
ALIGN AUTO 11:53:30 AMOCt 24, 2017	Center 2.441 #Res BW 3.0			look Express	🗾 Agi	ilent Spectrum Ar	na		067 ms (8001 pts)	र् 🦓 🔒 🕲 🛛 11:52 AM
Mkr1 2.479 862 500 GHz Auto Tun	#Res BW 3.0) MHz Analyzer - Swep RF 50 Ω		look Express	I Peak (ilent Spectrum Ar Dutput I E:PULSE	na Power_2 Avg Type	2DH5_2 ALIGN AUTO :: Log-Pwr	067 ms (480 11:53:30 A TRAG	8001 pts)	
	#Res BW 3.0) MHz Analyzer - Swep RF 50 Ω	Cor AC DOOD GH: DOOD GH: IFG dB	look Express	I Peak (SENSE	ilent Spectrum Ar Output I E:PULSE e Run	Avg Type AvgHold:	2DH5_2 ALIGN AUTO :: Log-Pwr 10/10	067 ms (480 11:53:30 A TRAC TY D 9 862 5	8001 pts) Unic * MOCt 24, 2017 E 1 2 3 4 5 6 E M WWW ET P P P P P 000 GHz	Frequency
	#Res BW 3.0) MHz Analyzer - Swep RF 50 Ω 2.480000 ef Offset 1.7 c	Cor AC DOOD GH: DOOD GH: IFG dB	look Express	I Peak (SENSE	ilent Spectrum Ar Output I E:PULSE e Run	Avg Type AvgHold:	2DH5_2 ALIGN AUTO :: Log-Pwr 10/10	067 ms (480 11:53:30 A TRAC TY D 9 862 5	8001 pts) Unic * MOCt 24, 2017 E 1 2 3 4 5 6 E M WWW ET P P P P P 000 GHz	Frequency Auto Tun Center Free
	#Res BW 3.0) MHz Analyzer - Swep RF 50 Ω 2.480000 ef Offset 1.7 c	Cor AC DOOD GH: DOOD GH: IFG dB	look Express	I Peak (SENSE	ilent Spectrum Ar Output I E:PULSE e Run	Avg Type AvgHold:	2DH5_2 ALIGN AUTO :: Log-Pwr 10/10	067 ms (480 11:53:30 A TRAC TY D 9 862 5	8001 pts) Unic * MOCt 24, 2017 E 1 2 3 4 5 6 E M WWW ET P P P P P 000 GHz	Frequency Auto Tun Center Fre 2.48000000 GH Start Free
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2.482500000 GH	#Res BW 3.0 #res BW 3.0 #res BW 3.0 #res BW 3.0 Agilent Spectrum / Q RL Center Frec 10 dB/div R 10.0 .000 .10.0 .000) MHz Analyzer - Swep RF 50 Ω 2.480000 ef Offset 1.7 c	Cor AC DOOD GH: DOOD GH: IFG dB	look Express	I Peak (SENSE	ilent Spectrum Ar Output I E:PULSE e Run	Avg Type AvgHold:	2DH5_2 Align Auto :: Log-Pwr 10/10	067 ms (480 11:53:30 A TRAC TY D 9 862 5	8001 pts) Unic * MOCt 24, 2017 E 1 2 3 4 5 6 E M WWW ET P P P P P 000 GHz	Frequency Auto Tun Center Fre 2.48000000 G⊢ 2.477500000 G⊢ 2.477500000 G⊢ 2.482500000 G⊢ CF Ste 500.000 k⊢
2.482500000 GHz	#Res BW 3.0 Agilent Spectrum / Agilent Spectrum / Center Frec 10 dB/div R 10.0) MHz Analyzer - Swep RF 50 Ω 2.480000 ef Offset 1.7 c	Cor AC DOOD GH: DOOD GH: IFG dB	look Express	I Peak (SENSE	ilent Spectrum Ar Output I E:PULSE e Run	Avg Type AvgHold:	2DH5_2 Align Auto :: Log-Pwr 10/10	067 ms (480 11:53:30 A TRAC TY D 9 862 5	8001 pts) Unic * MOCt 24, 2017 E 1 2 3 4 5 6 E M WWW ET P P P P P 000 GHz	Frequency Auto Tune Center Free 2.480000000 GH Start Free 2.477500000 GH Stop Free 2.482500000 GH CF Step 500.000 kH Auto Mar



Center Freq 2.40	50 Ω AC 2000000 GHz PN0: Fast	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	11:55:18 AM Oct 24, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P P P P P P	Frequency
	IFGain:Low et 1.7 dB 00 dBm	#Atten: 30 dB	Mkr1 2.40	01 846 875 GHz 2.310 dBm	Auto Tur
10.0		▲1			Center Fre 2.402000000 GH
-10.0					Start Fre 2.399500000 G⊦
-20.0					Stop Fre 2.404500000 G⊦
-30.0					CF Ste 500.000 kH Auto Ma
-50.0					Freq Offse
-70.0					
Center 2.402000 G #Res BW 3.0 MHz	#VE				र 🐴 🔒 🔞 🖻 11:55 AM
#Res BW 3.0 MHz	#VE Conduct So Ω AC 1000000 GHz PN0: Fast	ss Aglent Spectrun ed Peak Output sense:PULse Trig: Free Run	n Ana	.067 ms (8001 pts) ^{Links} *	୧ <table-of-contents> 🔒 🖗 💽 11:55 AM</table-of-contents>
#Res BW 3.0 MHz	#VE	ss Aglent Spectrun ed Peak Output sense:PULse Trig: Free Run	Ana t Power_3DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) Links ** 2441 11:56:54 AMOCt 24, 2017 TRACE [1] 2 3 4 5 6	Frequency Auto Tun
#Res BW 3.0 MHz	#VE Conduct Conduct S0 Ω AC 1000000 GHz PN0: Fast IFGain:Low et 1.7 dB	ss Aglent Spectrun ed Peak Output sense:PULse Trig: Free Run	Ana t Power_3DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) Links ** 2441 11:56:54 AMOCT 24, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 10 856 875 GHz	Frequency Auto Tun
#Res BW 3.0 MHz	#VE Conduct Conduct S0 Ω AC 1000000 GHz PN0: Fast IFGain:Low et 1.7 dB	ss Aglent Spectrun ed Peak Output SENSE:PULSE Trig: Free Run #Atten: 30 dB	Ana t Power_3DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) Links ** 2441 11:56:54 AMOCT 24, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 10 856 875 GHz	Frequency Auto Tun Center Fre
#Res BW 3.0 MHz	#VE Conduct Conduct S0 Ω AC 1000000 GHz PN0: Fast IFGain:Low et 1.7 dB	ss Aglent Spectrun ed Peak Output SENSE:PULSE Trig: Free Run #Atten: 30 dB	Ana t Power_3DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) Links ** 2441 11:56:54 AMOCT 24, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 10 856 875 GHz	Frequency Auto Tun Center Fre 2.441000000 GH Start Fre
#Res BW 3.0 MHz	#VE Conduct Conduct S0 Ω AC 1000000 GHz PN0: Fast IFGain:Low et 1.7 dB	ss Aglent Spectrun ed Peak Output SENSE:PULSE Trig: Free Run #Atten: 30 dB	Ana t Power_3DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) Links ** 2441 11:56:54 AMOCT 24, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 10 856 875 GHz	Frequency Auto Tur Center Fre 2.441000000 GF Start Fre 2.438500000 GF Stop Fre 2.443500000 GF CF Ste 500.000 kF
#Res BW 3.0 MHz #res BW 3.0 MHz #res BW 3.0 MHz Agilent Spectrum Analyzer X RL RF Center Freq 2.44 10 dB/div Ref Offsector 10.0 Ref 20. 10.0 Ref 20. -10.0 -20.0 -30.0 -30.0	#VE Conduct Conduct S0 Ω AC 1000000 GHz PN0: Fast IFGain:Low et 1.7 dB	ss Aglent Spectrun ed Peak Output SENSE:PULSE Trig: Free Run #Atten: 30 dB	Ana t Power_3DH5_2 ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	.067 ms (8001 pts) Links ** 2441 11:56:54 AMOCT 24, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P 10 856 875 GHz	Frequency Auto Tur Center Fre 2.441000000 GF Start Fre 2.438500000 GF



Ref Offset 1.7 dB IVIKIT 2.479 848 125 GHZ 10 dB/div Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0.00 ↓1	ter Free 0000 GH art Free
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Sta	artFre
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-50.0	q Offse
-70.0	UH



4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2402	1.002	0.689	PASS
DH5	2480	0.970	0.689	PASS
DH5	2441	1.168	0.687	PASS
2DH5	2402	1.164	0.859	PASS
2DH5	2441	1.122	0.859	PASS
2DH5	2480	1.156	0.861	PASS
3DH5	2402	1.138	0.860	PASS
3DH5	2441	0.982	0.863	PASS
3DH5	2480	1.160	0.863	PASS



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W RL Center Fr	RF 50 Ω eq 2.40250			SENSE:P	1	Avg Type: Avg Hold: 1		TF	. PM Oct 24, 20 RACE <u>1</u> 2 3 4 TYPE M WWW	5 6 Frequency
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-30.0										2.401500000
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Start 2.40	1500 GHz							Stop 2.4	03500 GI	Hz CF S
#Res BW			#VBW :	300 kHz			· ·		; (1001 pt	ts) 200.000
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K Start	um Analyzer - Sw RF 50 Q	Car		equency	Separa	tion_D			Lin	117
Agilent Spectru		Cari ept SA AC D0000 GHz PN0:		1 -	Separa	tion_D	LIGN AUTO	01:43:32		 ¹¹⁷ ¹¹⁸ ¹¹⁷ ¹¹⁸ <li< td=""></li<>
Agilent Spectru Milent Spectru Center Fr	RF 50 Ω 50 Ω	Cari AC DOOOO GHz PNO: IFGai 7 dB	rier Fre	equency sense:P	Separa	tion_D	LIGN AUTO : RMS I0/10	01:43:32 ™ ∆Mkr1	PM Oct 24, 20 AACE 2 3 4 TYPE MWWW DET P P P 970 k H	117 56 P P Tz Auto T
Agilent Spectru XX RL Center Fr	RF 50 Ω Teq 2.47950	Cari AC DOOOO GHz PNO: IFGai 7 dB	rier Fre	equency sense:P	Separa	tion_D	LIGN AUTO RMS IO/10	01:43:32 ™ ∆Mkr1	2PM Oct 24, 20 RACE 1 2 3 4 TYPE MWWW DET P P P P	117 5 6 Frequency P P Auto T
Agilent Spectru Agilent Spectru M RL Center Fr 10 dB/div Log	RF 50 Ω 50 Ω	Cari AC D0000 GHz PNO: IFGai 7 dB dBm	rier Fre	equency sense:P	Separa	tion_D	LIGN AUTO RMS IO/10	01:43:32 Τ ΔMkr1	2PM Oct 24, 20 AACE [1 2 3 4 DET P P P 970 kH 0.084 d	II7 Frequency IS Auto T IB Center F
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Agilent Spectru X RL Center Fr 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -70.0 Start 2.47: #Res BW MKR MODE TR 1 Δ2	Ref Offset 1. Ref 20.00 ∧ ∧ 8500 GHz 100 kHz	Carr	Wide ↔ Wide ↔ Wide ↔ #VBW :	SENSE:PI Trig: Free R #Atten: 30 d	Separa	tion_D	IGNAUTO RMS 0/10	01:43:32 T ΔMkr1 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2	200 Oct 24, 20 RACE 1 2 3 4 TYPE (MYWWW DET P P P P 970 kH 0.084 d 	III Frequency 56 Frequency 76 Auto T III Center F 2.479500000 Start F 2.478500000 Start F 2.478500000 Start F 2.480500000 Stor F S 2.480500000 Auto
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Agilent Spectru Agilent Spectru XX Center Fr 10.0 0.00 -10.0 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -50.0 -70.0 Start 2.473 #Res BW MKR MODE TR 1 1.422 3 4 4 5	Ref Offset 1: Ref 20.00 	Carl	Wide ↔ Wide ↔ Wide ↔ #VBW :	equency SENSE:PI Trig: Free R #Atten: 30 d	Separa	tion_D	IGNAUTO RMS 0/10	01:43:32 T ΔMkr1 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2	200 Oct 24, 20 RACE 1 2 3 4 TYPE (MYWWW DET P P P P 970 kH 0.084 d 	117 Frequency 5 6 7 6 12 Auto T 12 Center F 2.479500000 Start F 2.478500000 Storp F 2.480500000 Storp F 2.480500000 Auto T Hz CF S 200.000 Freq Of
Agilent Spectru // start Agilent Spectru // RL Center Fr 10.0 -000 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.473 #Res BW MKR MODE TR 1 A2 2 F 3 4 5 6 7 8	Ref Offset 1: Ref 20.00 	Carl	Wide ↔ Wide ↔ Wide ↔ #VBW :	equency SENSE:PI Trig: Free R #Atten: 30 d	Separa	tion_D	IGNAUTO RMS 0/10	01:43:32 T ΔMkr1 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2 Δ2	200 Oct 24, 20 RACE 1 2 3 4 TYPE (MYWWW DET P P P P 970 kH 0.084 d 	117 Frequency 5 6 7 6 12 Auto T 12 Center F 2.479500000 Start F 2.478500000 Storp F 2.480500000 Storp F 2.480500000 Auto T Hz CF S 200.000 Freq Of



Frequency	TRACE 123456 TYPE MWWWWW DET PPPPP	#Avg Type: RMS Avg Hold: 10/10	Trig: Free Run #Atten: 30 dB	00 GHz PNO: Wide ++ IFGain:Low	2.441500	nter Fre	Cen
Auto Tu	//kr1 1.168 MHz 0.076 dB	ΔN			ef Offset 1.7 d ef 20.00 dE		10 di
Center Fi 2.441500000 0	1 <u>0</u> 2	wath	manager and source	×2~	Mahar		Log 10.0 0.00 -10.0
Start Fi 2.440500000 G)	-20.0 -30.0 -40.0
Stop Fi 2.442500000 G						ı	-50.0 -60.0 -70.0
CF St 200.000 F Auto M	Stop 2.442500 GHz 1.000 ms (1001 pts)	Sweep 1	300 kHz	#VBW		rt 2.4403 es BW 10	
Freq Offs 0			0.076 dB 6.531 dBm	1.168 MHz (Δ) .440 972 GHz	f (Δ) f	Δ2 F	
							7
	× *						
1:45	Links **			Outlook Express		start	7 8 9 10 11
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Frequency	Links ** 402 01:46:12PM Oct 24, 2017 TRACE [1 2 3 4 5 6 TYPE [M VM-MMW		sense:PULse	Carrier Fre	Analyzer - Swept RF 50 Ω 1 2.402500	nt Spectrum L	7 8 9 10 11 4 5 S
Frequency	Links ** 402 01:46:12PM Oct 24, 2017 TRACE [1] 2 3 4 5 6	Aration_2DH5_24 ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10		Carrier Fre 00 GHz PN0: Wide ↔ IFGain:Low	RF 50 Ω 2.402500 ef Offset 1.7 d	nt Spectrum L nter Fre	7 8 9 10 11 4 8 9 10 11 1 8 9 10 11 1 8 9 10 11 1 8 9 10 11 11 8 12 8 12 8 12 10 11 11 12 8 12 10 11 11 12 12 12 12 12 12 12 12 12 12 12
Frequency Auto Tu Center Fr	01:46:12PM Oct 24, 2017 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P Mkr1 1.164 MHz	Aration_2DH5_24 ALIGNAUTO #Avg Type: RMS Avg Hold: 10/10	sense:PULse	Carrier Fre 00 GHz PN0: Wide ↔ IFGain:Low	ef Offset 1.7 c ef 2.402500	nt Spectrum L Iter Fre B/div	7 8 9 10 11 4 8 9 10 11 1 8 9 10 11 1 8 9 10 11 1 8 9 10 11 11 8 12 8 12 8 12 10 11 11 12 8 12 10 11 11 12 12 12 12 12 12 12 12 12 12 12
Frequency Auto Tu Center Fr 2.40250000 G Start Fr	01:46:12PM Oct 24, 2017 TRACE [1 2 3 4 5 6 TYPE M DET P P P P P Mkr1 1.164 MHz 0.251 dB	Aration_2DH5_24	sense:PULse	Carrier Fre	ef Offset 1.7 c ef 2.402500	nt Spectrum	7 8 9 10 11 11 2 3 5 7 7 8 8 7 7 8 7 7 8 7 7 8 7 8 7 8 9 9 10 10 11 10 10
Frequency Auto Tu Center Fr 2.402500000 G Start Fr 2.401500000 G Stop Fr	01:46:12PM Oct 24, 2017 TRACE [1 2 3 4 5 6 TYPE M DET P P P P P Mkr1 1.164 MHz 0.251 dB	Aration_2DH5_24	sense:PULse	Carrier Fre	ef Offset 1.7 c ef 2.402500	nt Spectrum ter Fre B/div	7 8 9 10 11 × × × × × × × × × ×
Frequency Auto Tu Center Fr 2.402500000 G Start Fr 2.401500000 G Stop Fr 2.403500000 G CF St 200.000 k	01:46:12PM Oct 24, 2017 TRACE [1 2 3 4 5 6 TYPE M DET P P P P P Mkr1 1.164 MHz 0.251 dB	aration_2DH5_24	sense:PULse	Carrier Fre	FF 50 Ω 1 2.402500 ef Offset 1.7 c ef 20.00 dE	nt Spectrum ter Fre B/div	7 8 9 10 11 4 9 10 11 4 7 8 9 10 11 1 4 9 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Frequency Auto Tun Center Fre 2.40250000 GH 2.401500000 GH 2.403500000 GH 2.403500000 GH 2.403500000 GH 2.403500000 GH 2.403500000 GH 2.403500000 GH	402 01:46:12PM Oct 24, 2017 TRACE 12 3 4 5 6 TYPE M WWWW DET P P P P P Mkr1 1.164 MHz 0.251 dB 1Δ2 1Δ2 1Δ2 5top 2.403500 GHz 1.000 ms (1001 pts)	aration_2DH5_24	aquency Sepa	Carrier Fre	RF 50 Ω 1 2.402500 ef Offset 1.7 c ef 20.00 dE		t Spectrum ter Fre B/div



ISO0000 GHz #Avg Type: RMS TRACE 1 2 3 4 5 6 PN0: Wide ↔ Trig: Free Run Avg Hold: 10/10 TYPE MWWWWW IFGain:Low #Atten: 30 dB DET P P P P P P	Frequency
et 1.7 dB ΔMkr1 1.122 MHz .00 dBm 0.507 dB	Auto Ti
	Center F 2.441500000
2.4	Start F 2.440500000
2.4	Stop F 2.442500000
Iz Stop 2.442500 GHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)	CF S 200.000
X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE Auto 1.122 MHz (Δ) 0.507 dB 4.491 dBm <	Freq Off
	. (
Carrier Frequency Separation_2DH5_2480	1:49
2 Swept SA 50 Ω AC SENSE:PULSE ALIGN AUTO 01:50:30 PM Oct 24, 2017	Frequency
PNO: Wide - Trig: Free Run Avg Hold: 10/10 TYPE MWWWW	Trequency
et 1.7 dB ΔMkr1 1.156 MHz	Auto Ti
.00 dBm3.535 dB	Contor E
	Center F 2.479500000
	Start F 2.478500000
	Stop F 2.480500000
	2.480500000
Iz Stop 2.480500 GHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)	2.480500000 CF S 200.000
Iz Stop 2.480500 GHz #VBW 300 kHz Sweep 1.000 ms (1001 pts) X Y	2.480500000 CF S 200.000
Iz Stop 2.480500 GHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)	2.480500000 CF S 200.000



L XI RI	L		2 AC		SENSE	E:PULSE		ALIGN AUTO	01:57:32 Pf	M Oct 24, 2017	Frequency
Cen	ter Frec	2.4025		NO: Wide +	Trig: Free #Atten: 30		#Avg Typ Avg Hold		TY	^{СЕ} 1 2 3 4 5 6 РЕ М УЖИМИ ЕТ Р Р Р Р Р Р Р	Frequency
		ef Offset 1.	.7 dB	Gain:Low	FALLETI, JU			ΔN	/lkr1 1.1	,	Auto Tu
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-20.0											Start F
-30.0											2.401500000
-40.0											
-50.0 -60.0											Stop F
-70.0											2.403500000
	t 2.4015								stop 2.403		CF SI
	s BW 10			#VBW	/ 300 kHz			Sweep 1			200.000 k Auto N
1		f (Δ)	× 1.13	38 MHz (Δ)	Y -0.517	dB	TION FU	INCTION WIDTH	FUNCTIO	ON VALUE 🔺	
2	F	f	2.401 83	4 GHz	-1.206 dE	3m					Freq Offs
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🦺 s	start		P 0	Outlook Express	DI Agi	ilent Spectrum Ar	iā			Links »	 1:57
			Ca					3DH5_24	441		1:57
<mark>Agilen</mark> (X/ R	t Spectrum .		Ca rept SA 2 AC	arrier Fre	equency		ation_3	ALIGN AUTO	01:59:36 Pf	Links **	
<mark>Agilen</mark> (X/ R	t Spectrum .	RF 50 Ω	Ca <u> rept SA</u> 2 AC 00000 GH P	arrier Fre Iz No: Wide ↔		/ Separ		ALIGN AUTO	01:59:36 Pf TRAC TY	Links **	Frequency
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Agilen (XI R Cen	t Spectrum . L ter Frec	RF 50 Ω 2.44150 ef Offset 1.	Ca rept SA AC 0 000000 GH PI IF 7 dB	arrier Fre Hz NO: Wide ↔ Gain:Low	SENSE SENSE Trig: Free #Atten: 30	/ Separ	ation_3	ALIGN AUTO De: RMS I: 10/10	01:59:36 Pf TRAG TY D ΔMkr1 	Moct 24, 2017 12 3 4 5 6 MWWWWW ET P P P P P P 982 KHZ	Frequency Auto Tu
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Agilen (X) RI Cen 10.0 10.0 -10.0 -20.0 -30.0	t Spectrum ter Frec B/div R	RF 50 Ω 2.44150 Sef Offset 1. Ref 20.00	Ca rept SA ≥ AC 00000 GH PI IF 7 dB dBm	arrier Fre Hz NO: Wide ↔ Gain:Low	SENSE SENSE Trig: Free #Atten: 30	/ Separ	ation_3	ALIGN AUTO De: RMS I: 10/10	01:59:36 P/ TRA TY D ΔMkr1 9 -0	Moct 24, 2017 1 2 3 4 5 6 MWWWWW ET P P P P P P 982 KHZ	Frequency Auto Tu Center Fr 2.441500000 G Start Fr 2.440500000 G
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Agilen (XI R Cen 10.0 10.0 -10.0 -20.0 -20.0 -30.0 -30.0 -50.0 -50.0 -50.0 -70.0 Star	I Spectrum ter Frec B/div R	RF 50 2 2.44150 ef Offset 1. ef 20.00 00 GHz	Ca rept SA ≥ AC 00000 GH PI IF 7 dB dBm	Arrier Fre	SENSE Trig: Free #Atten: 30	/ Separ	AvgHold	ALIGN AUTO De: RMS 1: 10/10	01:59:36 PI TRA TY D ΔMkr1 9 -0 1Δ2	Aoct 24, 2017 TE [] 2 3 4 5 6 P P P P P P P 982 kHz 523 dB 	Frequency Auto Tu Center Fit 2.441500000 G Start Fit 2.440500000 G Stop Fit 2.442500000 G CF St
Agilen XI R Cen 10.0 10.0 -10.0 -20.0 -20.0 -30.0 -30.0 -50.0 -50.0 -50.0 -70.0 Star #Re	t Spectrum, ter Frec B/div R	RF 50 2 2.4415 2.441	Ca rept SA 2 AC P P IF 7 dB dBm dBm () 1 1 1 1 1 1 1 1 1 1 1 1 1	Arrier Fre	Trig: Free #Atten: 30	/ Separ	AvgHold	ALIGN AUTO pe: RMS 1: 10/10 	01:59:36 PT TRA TY Φ ΔMkr1 9 -0 1Δ2	40 oct 24, 2017 TE 1] 2 3 4 5 6 FM WWWW FT P P P P P P 982 kHz 523 dB 	Frequency Auto Tu Center Fr 2.441500000 G Start Fr 2.440500000 G Stop Fr 2.442500000 G CF St 200.000 F
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Agilen XI R Cen 10.0 10.0 -10.0 -20.0 -20.0 -30.0 -30.0 -50.0 -50.0 -50.0 -50.0 -70.0 Star #Re XI 2 3	I Spectrum ter Frec B/div R t 2.4405 s BW 10	RF 50 2 2.4415 ef Offset 1. ef 20.00 00 GHz 0 kHz SCL	Ca rept SA ≥ AC PT IF 7 dB dBm 	arrier Fre Hz N0: Wide ↔ Gain:Low #VBW	Trig: Free #Atten: 30	/ Separ	AvgHold	ALIGN AUTO pe: RMS 1: 10/10 	01:59:36 PT TRA TY Φ ΔMkr1 9 -0 1Δ2	40 oct 24, 2017 TE 1] 2 3 4 5 6 FM WWWW FT P P P P P P 982 kHz 523 dB 	Frequency Auto Tu Center Fr 2.441500000 G Start Fr 2.440500000 G Stop Fr 2.442500000 G CF St 200.000 F Auto
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Agilen (X) R Cen 10.0 10.0 -10.0 -20.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0 Star #Re 2 3 4 5 6 7 8 9	I Spectrum ter Frec B/div R t 2.4405 s BW 10	RF 50 2 2.4415 ef Offset 1. ef 20.00 00 GHz 00 GHz 0 kHz SCL f (Δ)	Ca rept SA 2 AC 0 000000 GH PI IF 7 dB dBm V(J) A A A A A A A A A A A A A	arrier Fre Hz N0: Wide ↔ Gain:Low #VBW	Trig: Free #Atten: 30	/ Separ	AvgHold	ALIGN AUTO pe: RMS 1: 10/10 	01:59:36 PT TRA TY Φ ΔMkr1 9 -0 1Δ2	40 oct 24, 2017 TE 1] 2 3 4 5 6 FM WWWW FT P P P P P P 982 kHz 523 dB 	Frequency Auto Tu Center Fi 2.441500000 G Start Fi 2.440500000 G Stop Fi 2.442500000 G CF St 200.000 H Auto Auto Freq Official
Agilen (X) R Cen 10.0 0.00 -10.0 -20.0 -20.0 -20.0 -30.0 -20.0 -30.0 -50	I Spectrum ter Frec B/div R t 2.4405 s BW 10	RF 50 Q 2.44150 ef Offset 1. ef 20.00 00 GHz 00 GHz 0 kHz SCL f (Δ)	Ca rept SA 2 AC 0 000000 GH PI IF 7 dB dBm V(J) A A A A A A A A A A A A A	arrier Fre Hz N0: Wide ↔ Gain:Low #VBW	Trig: Free #Atten: 30	/ Separ	AvgHold	ALIGN AUTO pe: RMS 1: 10/10 	01:59:36 PT TRA TY Φ ΔMkr1 9 -0 1Δ2	40 oct 24, 2017 TE 1] 2 3 4 5 6 FM WWWW FT P P P P P P 982 kHz 523 dB 	Auto Tu Center Fr 2.441500000 G Start Fr 2.440500000 G Stop Fr 2.442500000 G CF St 200.000 k



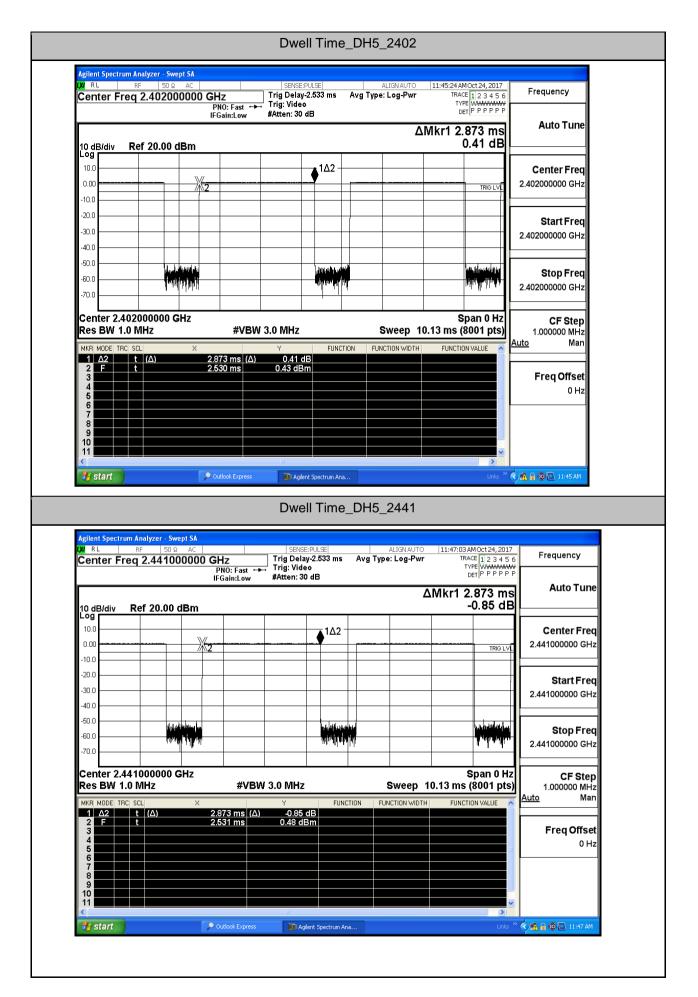
Frequency	02:00:03 PM Oct 24, 2017 TRACE 1 2 3 4 5 6	ALIGN AUTO	PULSE	SENSE		AC OL	RF 50 Ω		X/RL
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200.000 ki Auto Ma	000 ms (1001 pts)	Sweep 1.		300 kHz	#VBW			BW 10	
<u>/ uto</u>	FUNCTION VALUE	FUNCTION WIDTH	FUNC"	۲ 0.855 -	0 MHz (Δ)	× 1.16	CL Γ (Δ)	DDE TRC S	
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01									4
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									9
	×								10



5.Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH5	2402	2.87	106.7	0.306	0.4	PASS
DH5	2441	2.87	106.7	0.306	0.4	PASS
DH5	2480	2.87	106.7	0.306	0.4	PASS
2DH5	2402	2.88	106.7	0.307	0.4	PASS
2DH5	2441	2.88	106.7	0.307	0.4	PASS
2DH5	2480	2.88	106.7	0.307	0.4	PASS
3DH5	2402	2.88	106.7	0.307	0.4	PASS
3DH5	2441	2.88	106.7	0.307	0.4	PASS
3DH5	2480	2.88	106.7	0.307	0.4	PASS







10 dB/div R Log					Δ	Mkr1 2.87	4 ms 1 dB	Auto Tune
-	tef 20.00 dBm					-0.1	Тав	
10.0			• ¹	Δ2				Center Fred
-10.0	╪═╕┼╌╫	2					TRIGLVL	2.480000000 GHz
-20.0								
-30.0								Start Fred 2.48000000 GHz
-40.0								2.40000000 0112
-50.0	الافارية أروابة المتع			de, la palent			والدار المعالي	Stop Fred
-60.0	h da an		1	n L _a daria		linit.	n hh	2.480000000 GHz
-70.0								
Center 2.480 Res BW 1.0	000000 GHz	#\/F	BW 3.0 MHz		Sween 1(Spaı 0.13 ms (800	n 0 Hz	CF Step 1.000000 MHz
MKR MODE TRC S		**	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VA		Auto Mar
1 Δ2	t (Δ) t	2.874 ms(2.530 ms	Δ) -0.11 dB 0.95 dBm					
3		2.000 1110						Freq Offset
5 6							=	0 Hz
7								
8								
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8 9 10 11							>	
8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		Outlook Expres					>	ତି 👼 🔒 🔞 🔯 11:48 AM
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8 9 10 11 11 4 <i>*</i> <i>*</i> <i>*</i>	Analyzer - Swept SA	Outlook Expred			2402		>	ଏ <u>ଲ</u> ି ନ ଡିଲ୍ଲି 1148 AM
8 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzer - Swept SA RF = 50Ω AC			e_2DH5_2	ALIGNAUTO	11:50:19 AMOct	Links **	ৎ 🖷 🔒 💿 🔤 11:48 AM
8 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		GHz PNO: Fast	Dwell Time	e_2DH5_2		TRACE 1	Links **	
8 9 9 9 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RF 50 Ω AC	GHz	Dwell Time	e_2DH5_2	ALIGNAUTO V pe: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 WWWW P P P P P	
8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	RF 50 Ω AC	GHz PNO: Fast	Dwell Time	e_2DH5_2	ALIGNAUTO V pe: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 WWWW P P P P P	Frequency
8 9 10 11 11 11 11 11 11 11 10 10 10 10 10	rf 50 Ω AC 2.402000000	GHz PNO: Fast	Dwell Time	e_2DH5_3	ALIGN AUTO ype: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms	Frequency Auto Tune
8 9 10 11 11 11 11 11 11 11 10 10 10 10 10	rf 50 Ω AC 2.402000000	GHz PNO: Fast IFGain:Low	Dwell Time	e_2DH5_2	ALIGN AUTO ype: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms 1 dB	Frequency
Agilent Spectrum	rf 50 Ω AC 2.402000000	GHz PNO: Fast	Dwell Time	e_2DH5_3	ALIGN AUTO ype: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms	Frequency Auto Tune Center Free
Agilent Spectrum	rf 50 Ω AC 2.402000000	GHz PNO: Fast IFGain:Low	Dwell Time	e_2DH5_3	ALIGN AUTO ype: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms 1 dB	Frequency Auto Tune Center Frec 2.40200000 GHz
8 9 9 10 10 11 11 11 Agilent Spectrum 11 X RL Center Frec 10 10.0 10.0 0.00 10.0	rf 50 Ω AC 2.402000000	GHz PNO: Fast IFGain:Low	Dwell Time	e_2DH5_3	ALIGN AUTO ype: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms 1 dB	Frequency Auto Tune Center Free
8 9 9 9 10 10 11 10 4/J start 11 Agilent Spectrum . 10 X/ RL Center Frect 10.0 10.0 -10.0 10.0 -20.0	rf 50 Ω AC 2.402000000	GHz PNO: Fast IFGain:Low	Dwell Time	e_2DH5_3	ALIGN AUTO ype: Log-Pwr	TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms 1 dB	Frequency Auto Tune Center Frec 2.40200000 GHz Start Frec
8 9 9 9 10 10 11 10 4) start 10 Agilent Spectrum 10 X RL Center Freco 10.0 10.0 -10.0	rf 50 Ω AC 2.402000000	GHz PNO: Fast IFGain:Low	Dwell Time	e_2DH5_2		TRACE 1 TYPE W DET P	24,2017 2 3 4 5 6 7 ms 1 dB	Frequency Auto Tune Center Frec 2.40200000 GHz Start Frec 2.40200000 GHz
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8 9 10 11 11 11 2 11 2 11 2 11 2 10 11 11 2 11 2 11 2 10 10 10.0 10.0 10.0 10.0 10.0 -10.0 -20.0 -30.0 -30.0 -40.0 -50.0 -60.0 -70.0	RF 50 Ω AC 2.402000000 A A 2.402000000 A A 2.402000000 A A 3.402000000 A A 3.402000000 A A 3.40200000 A A 3.4020000 A A 3.402000 A A 3.40200 A A 3.40200 A A 3.4020 A A 3.4000 A <td< td=""><td>GHz PNO: Fast IFGain:Low</td><td>Dwell Time</td><td>e_2DH5_2</td><td></td><td>TRACE TYPE W DET P Mkr1 2.87 -1.9</td><td>24,2017 2 3 4 5 6 77 ms 21 dB</td><td>Frequency Auto Tune Center Frec 2.40200000 GHz Start Frec 2.40200000 GHz Stop Frec</td></td<>	GHz PNO: Fast IFGain:Low	Dwell Time	e_2DH5_2		TRACE TYPE W DET P Mkr1 2.87 -1.9	24,2017 2 3 4 5 6 77 ms 21 dB	Frequency Auto Tune Center Frec 2.40200000 GHz Start Frec 2.40200000 GHz Stop Frec
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Center Fre	eq 2.441000	Р	⊣z 'NO: Fast ← Gain:Low			Avg Typ	e: Log-Pwr	TR/ T	ACE 1 2 3 4 5 YPE WWWWW DET P P P P P	Frequer	y
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Log	Ref 20.00 dB	sm							- <u>2.40 u</u>	1	
10.0		\\//			▲ ^{1∆2}					Cente	
-10.0		- Xip		alaidhean a dhudhacha dhif			.	1994 (1997), 49 (1994) 1997 - 1997 (1994)	TRIG L	2.4410000	00 GHZ
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-60.0	դ կար հ				- nin in the second s					2.4410000	p Freq 00 GHz
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	41000000 GH	z							Span 0 H		= Step
Res BW 1.0			#VB	W 3.0 MHz			Sweep 1			Auto	00 MHz Man
MKR MODE TRC	scl t (Δ)	× 2.8	377 ms (Δ) -2.40 (TION FU	NCTION WIDTH	FUNCT	ION VALUE	<u>^</u>	
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9 10 11 11 11 11 11 10 10 10 10	Ref 20.00 dB	SA AC P IF1 Bm	Hz NO: Fast ←	Dwell T	FULE (2,533 ms dB 1Δ2 1Δ2 1Δ2	DH5_24	ALIGN AUTO e: Log-Pwr	TRU T	амост24,20 ССЕ [12 3 4 ч РРЕ (WAWAWA DET Р Р Р Р Р 2.877 m 1.14 d	17 Frequer 17 5 18 Auto 19 Auto 10 2.4800000 10 Star 2.4800000	r Freq t Freq t Freq 00 GHz p Freq
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9 10 11 11 11 11 12 13 14 10 10 10 10 10 10 10 10 10 10	Ref 20.00 dB	SA AC P IF1 Bm	Hz N0: Fast ← Gain:Low	Dwell T	-2.533 ms odB	OH5_2-	ALIGN AUTO e: Log-Pwr	TRU T	амосt 24, 20 мосt 24, 20 мост 12 3 4 ; мост 24 20 мост 24 20	17 Frequer 16 Frequer 18 Auto 18 Cente 2.4800000 Stai 2.4800000 Stai 2.4800000 Stai 2.4800000 Stai 1.00000 It	r Freq 00 GHz t Freq 00 GHz p Freq p Freq 5 Step 00 MHz
9 10 11 11 11 11 11 10 10 10 10	Ref 20.00 dB	SA AC DOOD GH P IF BM C C C C C C C C C C C C C C C C C C	Hz N0: Fast ← Gain:Low #VB1	Dwell T	-2.533 ms od B	OH5_2-		TRU T Mkr1 2	амост 24, 20 ССЕ 12 3 4 1 УРЕ (WWWWWWWWWWWWWWW ССЕ 12 3 4 1 УРЕ (WWWWWWWWW ССЕ 12 3 4 1 И ПОСТ 24, 20 12 3 4 1 И ПОСТ 24, 20 12 4 1 И ПОСТ 24, 20 12 3 4 1 И ПОСТ 24, 20 12 4 1 12 4	17 Frequer 15 6 16 Frequer 18 Auto 18 Cente 2.4800000 Star 2.4800000 2.4800000 12 Cl	r Freq 00 GHz t Freq 00 GHz p Freq p Freq 5 Step 00 MHz
9 10 11 11 Agilent Spectrur X RL Center Free 10 dB/div Center Free 10 0 0.00 -10.0 -20.0 -30.0 -30.0 -40.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -50.0 -60.0 -70.0 Center 2.42 Res BW 1.1 MKR MODE TRC 1 2 2 5	Ref 20.00 dB	SA AC 0000 GH P IF1 3m	Hz N0: Fast ← Gain:Low	Dwell T	-2.533 ms dB 1Δ2	OH5_2-	ALIGNAUTO e: Log-Pwr A	TRU T Mkr1 2	CER ACCE 12 3 4 PPE WWWWWWWWWWWWW DET P P P P 2.877 m 1.14 d TRIC (1.14 d TRIC (1.14 d TRIC (1.14 d TRIC (1.14 d 1.14 d TRIC (1.14 d 1.14 d 1.1	17 5 6 Frequer 17 5 6 P 18 Auto Auto 18 Cente 2.4800000 10000 Star 2.4800000 2.4800000 Star 2.4800000 10000 Auto Cl 10000 Auto 1.0000	r Freq 000 GHz t Freq 000 GHz p Freq 000 GHz = Step 000 MHz Man
9 10 11 11 11 11 12 10 10 10 10 10 10 10 10 10 10	Ref 20.00 dB	SA AC 0000 GH P IF1 3m	Hz N0: Fast ← Gain:Low #VB	SENSE Trig Delay Trig: Vide #Atten: 30	-2.533 ms dB 1Δ2	OH5_2-	ALIGNAUTO e: Log-Pwr A	TRU T Mkr1 2	CER ACCE 12 3 4 PPE WWWWWWWWWWWWW DET P P P P 2.877 m 1.14 d TRIC (1.14 d TRIC (1.14 d TRIC (1.14 d TRIC (1.14 d 1.14 d TRIC (1.14 d 1.14 d 1.1	17 5 6 Frequer 17 5 6 P 18 Auto Auto 18 Cente 2.4800000 10000 Star 2.4800000 2.4800000 Star 2.4800000 10000 Auto Cl 10000 Auto 1.0000	r Freq 00 GHz t Freq 00 GHz t Freq 00 GHz = Step Man Offset
9 10 11 11 11 11 12 13 14 15 10 10 10 10 10 10 10 10 10 10	Ref 20.00 dB	SA AC 0000 GH P IF1 3m	Hz N0: Fast ← Gain:Low #VB	SENSE Trig Delay Trig: Vide #Atten: 30	-2.533 ms dB 1Δ2	OH5_2-	ALIGNAUTO e: Log-Pwr A	TRU T Mkr1 2	CER ACCE 12 3 4 PPE WWWWWWWWWWWWW DET P P P P 2.877 m 1.14 d TRIC (1.14 d TRIC (1.14 d TRIC (1.14 d TRIC (1.14 d 1.14 d TRIC (1.14 d 1.14 d 1.1	17 5 6 Frequer 17 5 6 P 18 Auto Auto 18 Cente 2.4800000 10000 Star 2.4800000 2.4800000 Star 2.4800000 10000 Auto Cl 10000 Auto 1.0000	r Freq 00 GHz t Freq 00 GHz p Freq p Freq 5 Step 00 MHz



Center Freq 2.402	PNO: Fa IFGain:Lo				DE		Auto Tune
10 dB/div Ref 20.0)0 dBm			L	Mkr1 2.3	879 ms).09 dB	
10.0		1Δ2					Center Fred
-10.0						TRIGEVE	2.402000000 GH2
-20.0							Start Fred 2.402000000 GHz
-50.0 -60.0		n olariya di ya di		in the first of trained for the first of trained for the first of the first of the			Stop Fred 2.402000000 GHz
-70.0				1			
Center 2.40200000 Res BW 1.0 MHz		VBW 3.0 MH	lz	Sweep 1	0.13 ms (8	pan 0 Hz 3001 pts)	CF Step 1.000000 MHz
MKR MODE TRC SCL 1 Δ2 t (Δ)	× 2.879 ms		FUNCTION	N FUNCTION WIDTH	FUNCTIO	N VALUE	<u>Auto</u> Mar
2 F t 3 4	<u>654.9 µs</u>	s -2.17	dBm				Freq Offset
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6							
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6 7 8 9 10	Dutlook Ex	press	Agilent Spectrum Ana				S 🔒 🔒 🕲 🛄 11:55 AM
6 7 8 9 10 11	Outlook Ex		Aglient Spectrum Ana I Time_3DH	15_2441			र के वि वि 11:55 AM
6 7 8 9 10 11 11 1 4 <i>start</i>				15_2441			K 🕈 🖗 🛄 11:65 AM
6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Swept SA 50 Ω AC	Dwel	I Time_3DF	ALIGN AUTO		Links **	
6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Swept SA δ0 Ω AC 10000000 GHz PN0: Fa	Dwel	I Time_3DF		TRACI TYP	Links **	Frequency
6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Swept SA 50 Ω AC 1000000 GHz	Dwel	I Time_3DF	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Links * 10ct24,2017 123456 EWWWWWW TPPPPP	
Agilent Spectrum Analyzer	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DF	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Links * 10ct24,2017 123456 EWWWWWW TPPPPP	Frequency
Agilent Spectrum Analyzer	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DF	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Cirils * 10ct24,2017 123456 WWWWWW 1PPPPP 879 ms	Frequency Auto Tune
Agilent Spectrum Analyzer	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DF	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Coct 24, 2017 E 1 2 3 4 5 6 E WWWWWW TP P P P P P 879 ms 0.30 dB	Frequency
Agilent Spectrum Analyzer	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DF	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Cirils * 10ct24,2017 123456 WWWWWW 1PPPPP 879 ms	Frequency Auto Tune Center Free
6 7 8 9 10 10 10 11 10 11 10 10 12 start 10 13 start 10 14 RL RF 10 10 B/div Ref 20.0 10.0 10.0 10.0 10.0 -10.0 10.0 10.0 10.0 -20.0 10.0 10.0 10.0	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DH	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Coct 24, 2017 E 1 2 3 4 5 6 E WWWWWW TP P P P P P 879 ms 0.30 dB	Frequency Auto Tune Center Free
6 7 7 8 9 9 10 10 10 11 10 10 11 10 10 12 start 10 10 BF 10 10 BF 10 10 Center Freq 2.444 10 10.0 10.0 10.0 -10.0 -10.0 -10.0 -20.0 -10.0 -10.0 -30.0 -10.0 -10.0	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DH	ALIGNAUTO Avg Type: Log-Pwr	TRACI TYP DE	Coct 24, 2017 E 1 2 3 4 5 6 E WWWWWW TP P P P P P 879 ms 0.30 dB	Frequency Auto Tune Center Free 2.441000000 GHz
6 7 7 8 9 9 10 1 10 11 10 10 12 start 10 13 start 10 14 RL RF 10 15 Center Freq 2.44* 10 10.0 10.0 10.0 10.0 -10.0 10.0 10.0 10.0 -20.0 10.0 10.0 10.0	Swept SA 50 Q AC PNO: Far IFGain:Lo D0 dBm	Dwel	I Time_3DH	ΔLIGNAUTO Avg Type: Log-Pwr 2 1Δ2	TRACI TYP DE	Coct 24, 2017 E 1 2 3 4 5 6 E WWWWWW TP P P P P P 879 ms 0.30 dB	Frequency Auto Tune Center Frec 2.44100000 GH: Start Frec
6 7 7 8 9 9 10 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 11 10 10 10 00 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	Swept SA 50 Ω AC 1000000 GHz PN0: Fa IFGain:Lo	Dwel	I Time_3DH	ΔLIGNAUTO Avg Type: Log-Pwr 2 1Δ2 1Δ2	TRACI TYP DE	Coct 24, 2017 E 1 2 3 4 5 6 E WWWWWW TP P P P P P 879 ms 0.30 dB	Frequency Auto Tune Center Frec 2.44100000 GH: 2.44100000 GH: 2.44100000 GH: Stop Frec
6 7 7 8 9 9 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 12 11 11 13 11 11 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	Swept SA 50 Q AC PNO: Far IFGain:Lo D0 dBm	Dwel	I Time_3DH	ΔLIGNAUTO Avg Type: Log-Pwr 2 1Δ2	TRACI TYP DE	Coct 24, 2017 E 1 2 3 4 5 6 E WWWWWW TP P P P P P 879 ms 0.30 dB	Frequency Auto Tune Center Frec 2.441000000 GHz 2.441000000 GHz
6 7 7 8 9 9 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 12 11 11 13 12 12 10 12 12 10.0 10.0 10.0 10.0 10.0 10.0 -20.0 10.0 10.0 -30.0 10.0 10.0 -60.0 10.0 10.0 -70.0	Swept SA 50 Q AC PNO: Fa IO000000 GHz PNO: Fa IFGain:Lo D0 dBm	Dwel	I Time_3DH	ΔLIGNAUTO Avg Type: Log-Pwr 2 1Δ2 1Δ2		10ct 24, 2017 E 11 2 3 4 5 6 E WWWWW P 7 P P P P P 879 ms 0.30 dB 	Frequency Auto Tune Center Freq 2.441000000 GH: 2.441000000 GH: Stop Freq 2.441000000 GH:
6 7 7 8 9 9 10 1 1 11 1 1 12 start 1 13 start 1 14 start 1 15 start 1 10 B/div Ref 20.0 10.0 1 1 1 10.0 1 1 1 1 10.0 1 1 1 1 10.0 1 1 1 1 1 10.0 1 1 1 1 1 1 10.0 1 1 1 1 1 1 1 10.0 1	Swept SA 50 Q AC 10000000 GHz PN0: Fa IFGainLo 00 dBm	Dwel	I Time_3DH			10ct 24, 2017 E 12 3 4 5 6 E WWWWWW 7 P P P P P 879 ms 0.30 dB 	Frequency Auto Tune Center Freq 2.441000000 GH; Start Freq 2.441000000 GH; Stop Freq 2.441000000 GH; CF Step 1.000000 MH;
6 7 7 8 9 9 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 12 11 11 13 12 12 10 12 12 10.0 12 12 10.0 12 12 10.0 12 12 10.0 12 12 10.0 12 12 10.0 12 12	Swept SA 50 Q AC 10000000 GHz PN0: Fa IFGainLo 00 dBm	Dwel	I Time_3DH	ALIGNAUTO Avg Type: Log-Pwr 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2 1Δ2		Circle 4, 2017 1 2 3 4 5 6 E WWWWWW 7 P P P P P P 879 ms 0.30 dB WWWWWWW 7 ROLVE 9 001 pts 8001 pts	Frequency Auto Tune Center Frec 2.441000000 GH; 2.441000000 GH; 2.441000000 GH; 2.441000000 GH; CF Step



	eq 2.480000	PNO: Fast • IFGain:Low	Trig Delay-2.533 m Trig: Video #Atten: 30 dB	s Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE WWWWWWW DET P P P P P	-
10 dB/div	Ref 20.00 dE	Sm		Δ	Mkr1 2.879 ms. 1.21 dB	
10.0 0.00			1Δ2		1K/SEVE	Center Free 2.480000000 GH:
-20.0						Start Free 2.480000000 GH:
-50.0 -60.0			dianijel ankviga Tanijel ankviga Tanijel ankviga			Stop Fred 2.480000000 GH:
Res BW 1.		#VB	W 3.0 MHz	•	Span 0 Hz 0.13 ms (8001 pts)	
MKR MODE TRO 1 A2 2 F 3	t (Δ) t	× 2.879 ms (/ 1.126 ms		INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse



6.Hopping Channel Number

Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
DH5	2402	79	>=15	PASS
2DH5	2402	79	>=15	PASS
3DH5	2402	79	>=15	PASS



entei	r Freq		0000 GH	lz NO: Fast ↔ Gain:Low			#Avg Typ Avg Hold:		TRA T	M Oct 24, 201 CE 1 2 3 4 5 (PE M WWWW DET P P P P P	6 Frequency
0 dB/d		ef Offset 1. ef 20.00 (7 dB	Jam.Luw	Pricen. or			ΔMI)20 MH).694 dE	
.og 10.0 0.00			<u>, </u>			<u>YAAAAAA</u> YVYYYYYY	<u>1000000000000000000000000000000000000</u>				Center Fred 2.441750000 GHz
20.0 30.0 40.0											Start Fred 2.400000000 GHz
50.0 60.0 70.0										\ 	Stop Fred 2.483500000 GHz
Res E	2.40000 BW 100) kHz		#VBW	300 kHz			Sweep 8	.000 ms		
1 Δ2 2 F 3 4	E TRC SO	(Δ)	× 78.02 2.401 97	0 MHz (Δ) 3 GHz	-0.694 7.014 dE		CTION FUR	ICTION WIDTH	FUNCT	ON VALUE	Freq Offset
5											
7 8											
7 8 9 10 11					Ш						
7 8 9 10	rt)		, • 0	utlook Express Hoppin	ng Char	lent Spectrum Ar		DH5_24	02		
7 8 9 9 10 11 1 11 1 11 1 11 1 11 1 11 1 11	ectrum Ar		AC	Hoppin			mber_2l	ALIGN AUTO e: RMS	01:53:31 TR	PM Oct 24, 20 ACE 1 2 3 4 5	* C A A O A 1:45 PM
7 8 9 10 11 5 star <u>ilent Spe</u> RL enter	r Freq Re	= 50 Ω 2.44175	AC AC OOOOO GH PI IFC 7 dB	Hoppi			mber_2I	ALIGN AUTO e: RMS : 10/10	01:53:31 TR 1 k r1 77.	PM Oct 24, 20 ACE 1 2 3 4 3 YPE M WWW DET P P P 1 989 MH	² <
7 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	r Freq Re iv Re	= 50 ♀ 2.44175 f Offset 1.7 f 20.00 (AC AC OOOOO GH PI IFC 7 dB	Hoppin Iz №: Fast ++ Sain:Low	SENSE Trig: Free #Atten: 30	PULSE	mber_21 #Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	01:53:31 TR kr1 77.	PM Oct 24, 20 ACE 1 2 3 4 3 YPE M 23 4 4 YPE M 23 4 4 YPE M 23 4 4 YPE M 23 4 3 YPE M 24 4 YPE M 24	*
7 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	r Freq Re iv Re	= 50 ♀ 2.44175 f Offset 1.7 f 20.00 (PPT 5A AC 100000 GH PT IFC 1B BM	Hoppin Iz №: Fast ++ Sain:Low	SENSE Trig: Free #Atten: 30	PULSE	mber_21 #Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	01:53:31 TR kr1 77.	PM Oct 24, 20 ACE 1 2 3 4 3 YPE M 23 4 4 YPE M 23 4 4 YPE M 23 4 4 YPE M 23 4 3 YPE M 24 4 YPE M 24	² Center Fre
7 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	r Freq Re iv Re	= 50 ♀ 2.44175 f Offset 1.7 f 20.00 (PPT 5A AC 100000 GH PT IFC 1B BM	Hoppin Iz №: Fast ++ Sain:Low	SENSE Trig: Free #Atten: 30	PULSE	mber_21 #Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	01:53:31 TR kr1 77.	PM Oct 24, 20 ACE 1 2 3 4 3 YPE M 23 4 4 DET P P P P P 989 MH 3.431 d	 ² ² ² ² ² ² ² ² ² ²
7 8 9 10 11 11 enter 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Retrum Ar	CHz KHz	PPT SA AC PPT IFC dB 1Bm	Hoppin	SENSE Trig: Free #Atten: 30		#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	kr1 77.	PM Oct 24, 20 Links YPE M 2 3 4 3 YPE M 2 3 4 3 YPE M 2 3 4 3 P P P P P 989 MH 3.431 d 3.431 d	 ² Center Frequency ² Center Frequency ² Center Frequency ² Center Frequency ³ Start Frequency ⁴ Start Freque
7 8 9 10 11 11 enter 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Retrum Ar	CHz KHz	AC AC O0000 GH PI IFC	Hoppin	SENSE Trig: Free #Atten: 30		#Avg Typ Avg Hold	ALIGN AUTO e: RMS : 10/10	kr1 77.	PM Oct 24, 20 ACE 1 2 3 4 9 YPE M WWW DET P P P P 3.431 d 3.431 d	 ² Center Fre 2.441750000 GF 2 Start Fre 2.443500000 GF 2 Stop Fre 2.483500000 GF 3 Stop Fre 2.48350000 GF 4 Stop Fre 2.48350000 GF



	um Analyzer - S	wept SA	нор			umber_	3DH5_2	402		
nter F	RF 50 req 2.4417	750000 GH	-lz NO: Fast ↔		E:PULSE	#Avg Typ Avg Hold:		TRAC	1 Oct 24, 2017 E 1 2 3 4 5 6 E MWWWWW	Frequency
dB/div	Ref Offset 1 Ref 20.00	1.7 dB	Gain:Low	#Atten: 30		5,		(r1 77.8	95 MHz 320 dB	Auto Tune
0	~~~	marina	harrow	www.maw.uk	MAN	vardate	www.	holder	_ ∆2	Center Freq 2.441750000 GHz
									V	Start Freq 2.400000000 GHz
o o										Stop Freq 2.483500000 GHz
	0000 GHz 100 kHz		#VBW	/ / 300 kHz Y	FUNC		Sweep 8.	000 ms (350 GHz 8001 pts)	CF Step 8.350000 MHz <u>Auto</u> Man
Δ2 F	f (Δ) f	77.89 2.402 17	5 MHz (Δ) 1 GHz	0.320 -0.559 dE	dB 3m					Freq Offset 0 Hz
									×	 1.03 PM

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	Off	2.523	-56.695	-17.48	PASS
DH5	2480	Off	4.476	-56.084	-15.52	PASS
2DH5	2402	Off	0.128	-56.477	-19.87	PASS
2DH5	2480	Off	2.401	-56.048	-17.6	PASS
3DH5	2402	Off	1.316	-55.883	-18.68	PASS
3DH5	2480	Off	2.777	-56.709	-17.22	PASS
DH5	2480	On	1.134	-55.981	-13.05	PASS
2DH5	2402	On	1.026	-55.816	-18.97	PASS
2DH5	2480	On	1.483	-55.845	-18.52	PASS
3DH5	2402	On	1.673	-55.717	-18.33	PASS
3DH5	2480	On	1.499	-55.121	-18.5	PASS
DH5	2402	On	1.293	-56.274	-16.88	PASS

7.Band-edge for RF Conducted Emissions



Cen				Hz PNO: Fast • FGain:Low	SENSE:	Run	#Avg Tyj Avg Hold		TRA T	M Oct 24, 2017 CE 1 2 3 4 5 6 PE M WWWWW DET P P P P P P	
10 di	B/div	Ref Offset Ref 20.0	1.7 dB	-Gain:Luw	#Atten: 00			Mkr4 2		5 0 GHz 65 dBm	Auto Tu
Log 10.0						1					Center Fr
0.00						л́—					2.400000000 G
-10.0 -20.0						1				-18.87 dBm	
-30.0											Start Fr 2.370000000 G
-40.0			_			<u>r</u> t					2.37000000 G
-50.0	⊢ ∳'	·		<u> </u>		ř h					Stop Fr
-60.0	يو يې وارو ورو وې وې د وارو و وو وې	April and the state of the	alundurgun daga serinda	ayadaa hidaa ha	Lind Lands A. S. Common Market	March .	hainne an the state of the		e a se de la calencia de la calencia La calencia de la cale	مالتخار فالمراجع والالمالية والمحالية	2.430000000 G
-70.0											
		0000 GH: 100 kHz	!	#VB	SW 300 kHz			Sweep 5		60.00 MHz (8001 pts)	CF Ste 6.000000 M
	MODE TRO	SCL	× 2.402 167	75 GHz	۲ 1.134 dBi		TION FL	INCTION WIDTH	FUNCT	ON VALUE	Auto M
2	N N	f	2.400 000	0 GHz	-54.862 dBr -59.340 dBr	n					Freq Offs
4 5	N	f	2.373 285		-56.065 dBı					=	0
6 7											
8											
9											
										~	
9 10 11 <					Ш			STATUS		×	
9 10 11								STATUS			
9 10 11 <		B	and-edge	for RF	Conducted	l Emiss	sions_D				
9 10 11 KMSG		m Analyzer -	Swept SA	for RF			sions_D)H5_248()_Hopp	ing Off	
9 10 11 KSG		m Analyzer - RF 5	5wept SA) Ω AC 500000 G	Hz PNO: Fast	SENSE:I	PULSE	Sions_D #Avg Tyj Avg Hold	0H5_248(align auto pe: RMS	D_Hopp 05:59:46F TRA TN		L
9 10 11 MSG MSG 10 de		m Analyzer - RF 5	5wept SA)Ω AC 500000 G II II	Hz	SENSE:	PULSE	#Avg Ty	0H5_248(ALIGN AUTO pe: RMS d: 10/10	D_Hopp	ing Off	Auto Tu
9 10 11 × MSG X/ RL Cen	ter Fre	m Analyzer - RF 5 eq 2.483 Ref Offset	5wept SA)Ω AC 500000 G II II	Hz PNO: Fast	SENSE:I	PULSE	#Avg Ty	0H5_248(ALIGN AUTO pe: RMS d: 10/10	D_Hopp	ing Off Moct24,2017 се 123456 РЕМИЧИНИ ет Р Р Р Р Р Р 0 0 GHz	Auto Tu
9 10 11 MSG MSG 10 de	ter Fre	m Analyzer - RF 5 eq 2.483 Ref Offset	5wept SA)Ω AC 500000 G II II	Hz PNO: Fast	SENSE:I	PULSE	#Avg Ty	0H5_248(ALIGN AUTO pe: RMS d: 10/10	D_Hopp	ing Off Moct24,2017 се 123456 РЕМИЧИНИ ет Р Р Р Р Р Р 0 0 GHz	Auto Tur Center Fro
9 10 11 MSG MSG MSG 10 dB Log 10.0	ter Fre	m Analyzer - RF 5 eq 2.483 Ref Offset	5wept SA)Ω AC 500000 G II II	Hz PNO: Fast	SENSE:I	PULSE	#Avg Ty	0H5_248(ALIGN AUTO pe: RMS d: 10/10	D_Hopp	MOCT 24, 2017 CE 11 2 3 4 5 6 PP PP PP PP 0 0 GHz 61 dBm	Auto Tur Center Fro
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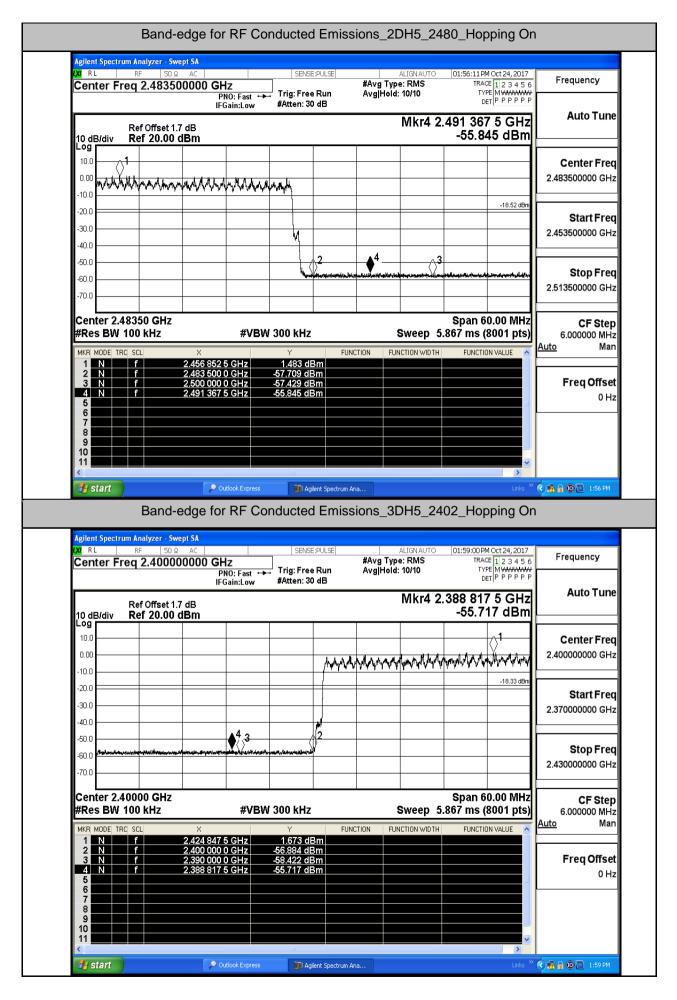


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9 10 11 11 11 11 11 10 11 10 10	d-edge for RF C wept SA Ω AC D00000 GHz PN0: Fast + IFGain:Low	SENSE:PULSE	ALIGNAUTC #Avg Type: RMS Avg Hold: 10/10	102_Hopping O	* •
9 10 11 11 11 11 10 10 10 10 10	d-edge for RF C wept SA Ω AC D00000 GHz PN0: Fast + IFGain:Low	SENSE:PULSE Trig: Free Run #Atten: 30 dB	ALIGNAUTC #Avg Type: RMS Avg Hold: 10/10	102_Hopping O	 ² ² ² ¹ ² ¹ ² ¹ ² ² ² ¹ ¹ ¹ ⁷ ⁶ ⁶ ¹ ¹ ¹ ¹ ⁷ ⁶ ⁶ ¹ ¹ ¹ ¹ ⁷ ⁶ ¹ ¹ ¹ ¹ ⁷ ⁶ ¹ ¹ ¹ ⁷ ⁶ ¹ ¹ ⁷ ¹ ¹ ⁷ ¹ ¹ ⁷ ¹ ⁸ ¹ ⁸ ¹ ⁸ ¹ ⁹ ¹ <li<sup>9</li<sup>
9 10 11 4 11 4 11 5 10 10 10 10 10 10 10 10 10 10	d-edge for RF C wept SA Ω AC D00000 GHz PN0: Fast + IFGain:Low I.7 dB 0 dBm	SENSE:PULSE Trig: Free Run #Atten: 30 dB	issions_DH5_24 ALIGNAUTC #Avg Type: RMS Avg Hold: 10/10 Mkr4	102_Hopping O	 ² ² ² ² ² ² ² ² ² ²
9 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I-edge for RF C wept SA Ω AC PN0: Fast IFGain:Low I.7 dB dBm	SENSE:PULSE Trig: Free Run #Atten: 30 dB	issions_DH5_24 ALIGNAUTC #Avg Type: RMS Avg Hold: 10/10 Mkr4	102_Hopping O	 ² ² ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹
9 10 11 11 11 11 11 10 10 10 10	d-edge for RF C wept SA Ω AC D D00000 GHz PN0: Fast + IFGain:Low I.7 dB 0 dBm	SENSE:PULSE Trig: Free Run #Atten: 30 dB	issions_DH5_24	102_Hopping O	 Center Frequency Auto Tune Center Frequency Start Frequency Start Frequency Stop Frequency Center Frequency Cent
9 10 11 11 11 11 11 10 11 10 10	A-edge for RF C	SENSE:PULSE Trig: Free Run #Atten: 30 dB	issions_DH5_24	102_Hopping O	 P Frequency Auto Tune Center Freq 2:400000000 GH: 2:40000000 GH: Start Freq 2:370000000 GH: Stop Freq 2:430000000 GH: CF Step 6:000000 MH: Auto Mar Freq Offse
9 10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 11 11 10 10 10 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	A-edge for RF C wept SA Q AC PNO: Fast - IFGain:Low 1.7 dB dBm 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:PULSE Trig: Free Run #Atten: 30 dB	issions_DH5_24	102_Hopping O	 P Auto Tune Center Frequency Center Frequency Start Freq 2.40000000 GH: Stop Freq 2.43000000 GH: CF Step 6.000000 MH: Auto Mate



8.RF Conducted Spurious Emissions

Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH5	2402	9	25000	100	300	2.637	-50.185	<- 17.363	PASS
DH5	2441	9	25000	100	300	2.256	-51.017	<- 17.744	PASS
DH5	2480	9	25000	100	300	4.204	-50.786	<- 15.796	PASS
2DH5	2402	9	25000	100	300	1.131	-50.725	<- 18.869	PASS
2DH5	2441	9	25000	100	300	0.902	-51.053	<- 19.098	PASS
2DH5	2480	9	25000	100	300	3.064	-50.670	<- 16.936	PASS
3DH5	2402	9	25000	100	300	1.217	-50.807	<- 18.783	PASS
3DH5	2441	9	25000	100	300	0.375	-50.272	<- 19.625	PASS
3DH5	2480	9	25000	100	300	3.082	-51.264	<- 16.918	PASS



ilent Specti R L	RF 50 Ω			SENSE:PULS		ALIGN AUTO		MOct 24, 2017	Erequency
enter F	req 2.4020	Р	Hz NO: Wide ↔ Gain:Low	Trig: Free Rur #Atten: 30 dB	#Avg Type Avg Hold:		TRAC TYI DI	CE 123456 PE MWWWWW ET P P P P P P	Frequency
) dB/div	Ref Offset 1. Ref 20.00	.7 dB			Ν	/lkr1 2.4		75 GHz 37 dBm	Auto Tu
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Res BW	402000 GHz 100 kHz	_	#VBV Dutlook Express	N 300 kHz D Agilent Sp		Sweep 1	.067 ms ((8001 pts) Links [»]	A 0 11:4
Res BW Start	100 kHz	vept SA		🗾 Agilent Sp	ectrum Ana		.067 ms ((8001 pts) Links ^{**}	(.
Res BW start lent Specti	100 kHz	vept SA 2 AC 500000 C	Dutlook Express	SENSE:PULS	ectrum Ana E	ALIGNAUTO 2: RMS	.067 ms (11:46:03 AF	(8001 pts) Links ²⁰ MOct 24, 2017 © 12 3 4 5 6	,
Res BW start ilent Specti	100 kHz rum Analyzer - Sv RF 50 G Freq 12.504	vept SA 2 AC 5000000 C F IF	Outlook Express	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 Af TRAC TYI Di	(8001 pts) Links ** MOct 24, 2017 CE 1 2 3 4 5 6 PF M WWWWWW ET P P P P P P	Frequency
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Res BW start ilent Spectr RL enter F dB/div	100 kHz rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1.	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 ET 2 3 4 5 6 P P P P P P 203 GHz	Frequency Auto T Center F
Res BW start ilent Spectr RL enter F dB/div	100 kHz rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1.	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 ET 2 3 4 5 6 P P P P P P 203 GHz	Frequency Auto T Center F
Res BW start ilent Spectri RL enter F dB/div g 0.0	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 ET 2 3 4 5 6 P P P P P P 203 GHz	Frequency Auto T Center F 12.504500000 Start F
Res BW start RL enter F dB/div g 00 00	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F
Res BW start ilent Specto RL enter F od 00 00 00 00	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 ET 2 3 4 5 6 P P P P P P 203 GHz	Frequency Auto T Center F 12.504500000 Start F 9.000000
Res BW start ilent Specto RL enter F 0 dB/div 9 0.0 0.0 0.0 0.0	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F 9.000000
Res BW start ilent Spectri RL enter F dB/div g 0.0 0.0 0.0 0.0 0.0 0.0	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F 9.000000 Stop F 25.000000000 CF S
Res BW start ilent Spectri RL enter F dB/div g 0.0 0.0 0.0 0.0 0.0	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express GHZ 2NO: Fast ↔	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F 9.000000 Stop F 25.000000000 CF S 2.499100000
Res BW start ilent Spectri RL iBenter F odB/div o dB/div	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 C IF IF 7 dB	Dutlook Express	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F 9.000000 Stop F 25.000000000 CF S 2.499100000 Auto
Res BW start ilent Spectri RL enter F od B/div 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	rum Analyzer - Sv RF 50 G Freq 12.504 Ref Offset 1. Ref 20.00		Dutlook Express	SENSE:PULS	ectrum Ana E	ALIGN AUTO :: RMS 2/10	.067 ms (11:46:03 AF TRAC TYI DI kr2 24.9	(8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F 9.000000 Stop F 25.000000000 CF S 2.499100000 Auto Freq Of
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Res BW start ilent Spect RL odB/div 0 0.0	100 kHz		Cutlook Express	SENSE:PULS	ectrum Ana E	ALIGNAUTO :: RMS 2/10 M	.067 ms ((8001 pts) Links ** MOCt 24, 2017 CE 1 2 3 4 5 6 PP P P P P 003 GHz 85 dBm	Frequency Auto T Center F 12.504500000 Start F 9.0000000 Stop F 25.000000000 CF S 2.499100000

RF Conducted Spurious Emissions_DH5_2402



<mark>ilent Spect</mark> R L	RF 50 :	Ω AC		SENSE:	PULSE		ALIGN AUTO	11:47:19 Al	MOct 24, 2017	Frequency
enter F	req 2.4410	Р	⊣z NO: Wide ↔ Gain:Low	Trig: Free #Atten: 30		#Avg Typ Avg Hold		TRAC TYI D	CE 123456 PE M WWWWW ET P P P P P P	Trequency
) dB/div	Ref Offset 1 Ref 20.00						Mkr1 2.4		25 GHz 56 dBm	Auto Tu
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	.441000 GHz 100 kHz	2	#VBM	/ 300 kHz			Sweep 1	Span 2 1.067 ms (.000 MHz 8001 pts)	
Res BW	441000 GHz 100 kHz	_	#VBN	/ 300 kHz	nt Spectrum #		Sweep 1	Span 2 1.067 ms (8001 pts)	11:4
Res BW y start ilent Spect	100 kHz	🏓 o wept SA		D Agile				l.067 ms (8001 pts)	¢ 🖡 🔒 🕲 🖻 11:4
Res BW start ilent Spect	100 kHz	wept SA Ω AC •500000 G	utlook Express	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO	1.067 ms (11:47:32 Al TRAC	8001 pts) Links [≫] MOct 24, 2017 ≆ 12 3 4 5 6	
Res BW start ilent Spect	100 kHz rum Analyzer - Sv RF 50 :	<mark>wept SA</mark> Ω AC •500000 G P	utlook Express	SENSE:	PULSE	Ana	ALIGN AUTO De: RMS I: 2/10	1 .067 ms (11:47:32 Al TRA TY D	(8001 pts) Links ** MOct 24, 2017 26 1 2 3 4 5 6 PF MWWWW P P P P P P	Frequency
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Res BW U start Ilent Spect RL enter F	rum Analyzer - Sv RF 50 Freq 12.504	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Unks * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP PP PP 06 GHz	Frequency Auto Tr Center F
Res BW start ilent Spect RL enter F dB/div 9 0.0	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Unks * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP PP PP 06 GHz	Frequency Auto Tr Center F 12.504500000
Res BW start ilent Spect RL enter F odB/div g 0.0 0.0	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Frequency Auto Tr Center F 12.504500000 Start F
Res BW start ilent Spect R L od B/div od 0.0 0.0 0.0	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Unks * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP PP PP 06 GHz	Frequency Auto Tr Center F 12.504500000 Start F 9.000000 1
Res BW start ilent Spect RL o dB/div 9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Frequency Auto Tr Center F 12.504500000 Start F 9.000000
Res BW start ilent Spect RL o dB/div	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Frequency Auto Tr Center F 12.504500000 Start F 9.0000000 Stop F 25.0000000000
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Res BW start ilent Spect RL d d d d d d d d d d d d d d d d d d	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Frequency Auto Tr Center F 12.504500000 0 Start F 9.000000 0 Stop F 25.000000000 0 CF S 2.499100000 0 Auto
Res BW start ilent Spect RL odB/div o dB/div o dB/div o d dB/div o d d d d d d d d d d d d d d d d d d	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 0 Stop F 25.00000000 0 CF S 2.499100000 0 Auto
Res BW start ilent Spect	rum Analyzer - Sv RF 50 : Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS I: 2/10	1.067 ms (11:47:32 Al TRA TY D kr2 24.4	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 0 Stop F 25.000000000 0 CF S 2.499100000 0 Auto
Res BW ilent Spect RL enter F 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	100 kHz	wept SA Ω AC 500000 C P IF .7 dB	utlook Express BHZ NO: Fast ↔	SENSE:	PULSE	Ana #Avg Typ	ALIGN AUTO De: RMS : 2/10 M	11:47:32 AI ITRAC TY D Kr2 24.4 -51.0	8001 pts) Links * MOCt 24, 2017 E 1 2 3 4 5 6 PP PP PP PP 06 GHz 17 dBm	Auto Tu Center F 12.504500000 0 Start F 9.000000 0 Stop F 25.000000000 0 CF S 2.499100000 0

RF Conducted Spurious Emissions_DH5_2441



gilent Spect	t <mark>rum Analyzer - S</mark> RF 50			SENSE:PUL	q=	ALIGNAUTO	11:48:46.4	M Oct 24, 2017	
	req 2.4800)00000 G	Hz NO: Wide ↔ Gain:Low]	#Avg Type	e: RMS	TRA	CE 1 2 3 4 5 6 PE MWWWWW DET P P P P P P	Frequency
0 dB/div	Ref Offset 1 Ref 20.00	.7 dB	'Gam.Low	Pritein ou ub	Γ	Mkr1 2.4	480 173	25 GHz 04 dBm	Auto Tu
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	.480000 GH:	z					Span 2	2.000 MHz	
Res BW	.480000 GH: / 100 kHz			300 kHz		Sweep 1	Span 2 1.067 ms ((8001 pts)	
Res BW y start	100 kHz	2	#VBW Dutlook Express		bectrum Ana	Sweep 1	Span 2 1.067 ms ((8001 pts)	(11:48
Res BW start ilent Spect	rum Analyzer - S RF 50	wept SA Ω AC	Dutlook Express		SE	ALIGNAUTO	1.067 ms (11:48:59 A	(8001 pts)	Frequency
Res BW start ilent Spect	100 kHz	wept SA Ω AC I-5000000 (Dutlook Express	SENSE:PUL	SE #Avg Typ	ALIGN AUTO e: RMS	1.067 ms (11:48:59 A TRA	(8001 pts) Links **	Frequency
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Res BW start rl RL enter F	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCT 24, 2017 CE 12 3 4 5 6 RE MWWWWW ET P P P P P 510 GHz	Frequency Auto Tu Center F
Res BW start ilent Spect RL enter F	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCT 24, 2017 CE 12 3 4 5 6 RE MWWWWW ET P P P P P 510 GHz	Frequency Auto Tu Center F
Res BW start ilent Spect RL enter F dB/div 9 0.0	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links * MOCT 24, 2017 CE 12 3 4 5 6 PE P P P P F P P P P P 510 GHz	Frequency Auto Tu Center F 12.504500000 0 Start F
Res BW start ilent Spect RL enter F 0 dB/div 0 dB/div 0 dB/div	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links * MOCT 24, 2017 CE 12 3 4 5 6 PE P P P P F P P P P P 510 GHz	Frequency Auto Tu Center F 12.504500000 0 Start F
Res BW start ilent Spect RL odB/div O	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCt 24, 2017 CE 12 3 4 5 6 PE IM WWWWW IP P P P P 510 GHz 86 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F
Res BW start ilent Spect RL odB/div o	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCt 24, 2017 CE 12 3 4 5 6 PE IM WWWWW IP P P P P 510 GHz 86 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.00000000 0
Res BW start ilent Spect RL enter F 0 dB/div 0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCt 24, 2017 CE 12 3 4 5 6 PE IM WWWWW IP P P P P 510 GHz 86 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 0 Stop F 25.00000000 0 CF S 2.499100000 0
Res BW start ilent Spect RL enter F	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCt 24, 2017 CE 12 3 4 5 6 PE IM WWWWW IP P P P P 510 GHz 86 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.000000000 0 CF Si 2.499100000 0 Auto
Res BW start ilent Spect RL enter F 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000 (I IF I.7 dB	Outlook Express GHZ PNO: Fast ↔	SENSE:PUL	SE #Avg Typ	ALIGNAUTO e: RMS : 2/10	1.067 ms (11:48:59A TRA TY D kr2 24.6	(8001 pts) Links ** MOCt 24, 2017 CE 12 3 4 5 6 PE IM WWWWW IP P P P P 510 GHz 86 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.00000000 0 CF St 2.499100000 0 Auto
Res BW start ilent Spect RL enter F 0.0	100 kHz	wept SA Ω AC 1500000 (I IF I.7 dB	Dutlook Express	SENSE:PUL	SE #Avg Typ	ALIGN AUTO e: RMS 2/10 M	1.067 ms	(8001 pts) Links ** MOCt 24, 2017 CE 12 3 4 5 6 PE IM WWWWW IP P P P P 510 GHz 86 dBm	Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.000000000 0 CF Si 2.499100000 0

RF Conducted Spurious Emissions_DH5_2480



ilent Spect RL	RF 50 :			SENSE:PUL	9E AI	LIGN AUTO	11:50:45 AN	4 Oct 24, 2017	
	req 2.4020	00000 G	i Hz PNO: Wide ↔ FGain:Low		#Avg Type: n Avg Hold: 1	RMS	TRAC	E 1 2 3 4 5 6 E MWWWWW T P P P P P P	Frequency
) dB/div	Ref Offset 1 Ref 20.00	.7 dB	I Gam.LUW			lkr1 2.40		00 GHz 31 dBm	Auto Tu
^{°g}									Center Fr
0.0					♦ ¹				2.402000000 G
.00		M	and a more that	Municonter	at way and a second	Wenter			Start Fr 2.401000000 G
0.0	/	A. A				- v	\backslash	-18.87 dBm	2.401000000
0.0									Stop Fr 2.403000000 G
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0.0									200.000 k <u>Auto</u> N
0.0									Freq Off
0.0									
enter 2	402000 GHz	2					Span 2	.000 MHz	
CIIICI 2.							•		
Res BW	100 kHz			N 300 kHz		weep 1.0)67 ms (
Res BW y start			#VBV Outlook Express		S pectrum Ana	weep 1.()67 ms (A A @ 2 11:50
Res BW start ilent Spect	rum Analyzer - Sv RF 50 :	wept SA Ω AC	Outlook Express		pectrum Ana	LIGN AUTO	11:50:59 AN	- 4	Frequency
Res BW start ilent Spect	rum Analyzer - Sv	wept SA Ω AC 500000	Outlook Express	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AM TRAC TYP DE	Unks ** 40ct 24, 2017 E 1 2 3 4 5 6 E MWWWW ET P P P P P P	Frequency
Res BW	rum Analyzer - Sv RF 50 :	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	Links **	Frequency
Res BW start ilent Spect RL enter F odB/div Dg	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	10ct 24, 2017 1 2 3 4 5 6 М МИНИИИ ат Р Р Р Р Р Р 57 GHz	Frequency Auto Tu Center Fr
Res BW start ilent Spect RL enter F	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	10ct 24, 2017 1 2 3 4 5 6 М МИНИИИ ат Р Р Р Р Р Р 57 GHz	Frequency Auto Tu Center F
Res BW start ilent Spect RL enter F odB/div og 0.0 .00	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	10ct 24, 2017 1 2 3 4 5 6 М МИНИИИ ат Р Р Р Р Р Р 57 GHz	Frequency Auto Tu Center F 12.504500000 0 Start F
Res BW start ilent Spect RL od B/div Od B/div Od B/div 0.0 0.0 0.0	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	10ct 24, 2017 1 2 3 4 5 6 М МИНИИИ ат Р Р Р Р Р Р 57 GHz	Frequency Auto Tu Center F 12.504500000 0 Start F
Res BW start ilent Spect RL o dB/div 9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE AL #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	40ct24,2017 № 123456 № ПУЧИНИЧИНИ ТРРРРРР 57 GHz 25 dBm	Frequency Auto Tu Center Fi 12.504500000 0 Start Fi 9.000000 M Stop Fi
Res BW start ilent Spect RL od B/div Od B/div Od B/div 0.0 0.0 0.0	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE Al #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	40ct24,2017 № 123456 № ПУЧИНИЧИНИ ТРРРРРР 57 GHz 25 dBm	Frequency Auto TL Center Fi 12.504500000 C Start Fi 9.000000 N Stop Fi 25.00000000 C
Res BW start ilent Spect RL o dB/div	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE Al #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	40ct24,2017 № 123456 № ПУЧИНИЧИНИ ТРРРРРР 57 GHz 25 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.00000000 0 CF Si 2.499100000 0
Res BW start ilent Spect RL o dB/div o dB/div o d dB/div o d d d d d d d d d d d d d d d d d d	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE Al #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	40ct24,2017 I 2 3 4 5 6 E 1 2 3 4 5 6 E M WWWWY TP P P P P P 57 GHz 25 dBm -18.87 dBm	Frequency Auto TL Center Fi 12.504500000 C Start Fi 9.000000 M Stop Fi 25.00000000 C CF St 2.499100000 C Auto M
Res BW start ilent Spect RL o dB/div g 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	rum Analyzer - Sto RF 50 - Freq 12.504 Ref Offset 1	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast ↔	SENSE:PUL	pectrum Ans SE Al #Avg Type: n Avg Hold:2	IGN AUTO RMS 2/10	11:50:59 AN TRAC TYP DE r2 23.0	40ct24,2017 I 2 3 4 5 6 E 1 2 3 4 5 6 E M WWWWY TP P P P P P 57 GHz 25 dBm -18.87 dBm	Frequency Auto Tu Center Fi 12.504500000 G Start Fi 9.000000 M Stop Fi 25.00000000 G CF St 2.499100000 G Auto M
Res BW start ilent Spect RL enter F 0 dB/div 0 0 0.0	Ref Offset 1 Ref 20.00	wept SA Ω AC 500000 I .7 dB	Outlook Express GHz PNO: Fast → FGain:Low	SENSE:PUL	Pectrum Ans	IGNAUTO RMS /10 Mk	11:50:59 AM TRAC TYP DE r2 23.0 -50.7;	40ct24,2017 I 2 3 4 5 6 E 1 2 3 4 5 6 E M WWWWY TP P P P P P 57 GHz 25 dBm -18.87 dBm	Auto Tu Center Fi 12.504500000 G Start Fi 9.000000 N Stop Fi 25.00000000 G CF St 2.499100000 G

RF Conducted Spurious Emissions_2DH5_2402

(RL		2 AC		SENSE:PULSE	ALIGNAUTO		MOct 24, 2017	Frequency
enter l	req 2.4410	Р	Hz NO: Wide ↔ Gain:Low	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS Avg Hold: 10/10	TRAC TYI DI	^{СЕ} 123456 РЕМ ИЖИМИИ ЕТРРРРРР	Frequency
0 dB/div	Ref Offset 1. Ref 20.00	.7 dB			Mkr1 2	.440 851 0.9	00 GHz 02 dBm	Auto Tu
.og								Center Fr
10.0				● ¹				2.441000000 G
D.00		Jun.	harmon	h. M. W.	for all the second seco			Start Fr
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20.0							-19.10 dBm	Stop Fr 2.442000000 G
0.0 היזייי _{ני}	norrad						a manutar	CF St
0.0								200.000 k Auto N
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70.0								
	.441000 GHz	:				Span 2	.000 MHz	
				2 200 LU-		4 067 ma /		
_	100 KHZ	P	#VBV Outlook Express	V 300 kHz		1.007 IIIS ((8001 pts)	
Res BW				Agilent Spectru		1.007 ms (11:52
y start gilent Spec RL	t <mark>rum Analyzer - Sv</mark> RF 50 S	vept SA	Dutlook Express	_	m Ana ALIGN AUTO	11:52:32 AF	Links **	Frequency
y start ilent Spec RL	trum Analyzer - Sv	vept SA 2 AC 500000 (Dutlook Express	SENSE:PULSE	m Ana	11:52:32 AF	Links »	Frequency
start gilent Spec RL enter F	t <mark>rum Analyzer - Sv</mark> RF 50 S	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Unks ** MOct 24, 2017 CE 12 3 4 5 6 PE MWWWW ET P P P P P P	Frequency
ilent Spec RL enter F	rum Analyzer - Sv RF 50 S Freq 12.504 Ref Offset 1.	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	MOct 24, 2017 ²⁵ 1 2 3 4 5 6 ²⁶ M WWWWW eT P P P P P 29 GHz	Frequency Auto Tu Center Fr
y start RL enter F O dB/div O dB/div 0.0	Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	MOct 24, 2017 ²⁵ 1 2 3 4 5 6 ²⁶ M WWWWW eT P P P P P 29 GHz	Frequency Auto Tu Center Fr
y start RL enter F O dB/div O dB/div 0.0	rum Analyzer - Sv RF 50 S Freq 12.504 Ref Offset 1.	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	MOct 24, 2017 ²⁵ 1 2 3 4 5 6 ²⁶ M WWWWW eT P P P P P 29 GHz	Frequency Auto Tu Center Fr 12.504500000 G Start Fr
i start gilent Spec RL center I 0 dB/div 0 0 0 0 0 0 0 0 0 0 0 0 0	Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Moct 24, 2017 # 1 2 3 4 5 6 P P P P P 229 GHz 53 dBm	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M
start	Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	MOct 24, 2017 ²⁵ 1 2 3 4 5 6 ²⁶ M WWWWW eT P P P P P 29 GHz	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M Stop Fr
start gilent Spec: RL enter I 0 dB/div 9 0.0 0.0 0.0 0.0 0.0 0.0	Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Moct 24, 2017 # 1 2 3 4 5 6 P P P P P 229 GHz 53 dBm	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M Stop Fr
y start gilent Spec	Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express BHZ PNO: Fast ↔	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Moct 24, 2017 E 1 2 3 4 5 6 P P P P P P 229 GHz 53 dBm -19.10 dBm	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M Stop Fr 25.000000000 G CF St 2.499100000 G
start ilent Spect RL enter f 0 dB/div 99 0.0 0.0 0.0 0.0 0.0 0.0	Ref Offset 1. Ref 20.00	vept SA 2 AC 5000000 C F IF 7 dB dBm	Dutlook Express	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Moct 24, 2017 # 1 2 3 4 5 6 P P P P P 229 GHz 53 dBm	Frequency Auto Tu Center Fi 12.504500000 G Start Fi 9.000000 M Stop Fi 25.00000000 G CF St 2.499100000 G Auto M
start ilent Spec RL enter F 0 dB/div 9 0.0 0	Ref Offset 1. Ref 20.00	vept SA 2 AC 500000 (F IF 7 dB	Dutlook Express	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Moct 24, 2017 E 1 2 3 4 5 6 P P P P P P 229 GHz 53 dBm -19.10 dBm	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M Stop Fr 25.00000000 G CF St 2.499100000 G Auto Tu Preq Offs
start ilent Spec: RL enter I 0 dB/div 9 0.00 0.00 0.0 0.0	Ref Offset 1. Ref 20.00	vept SA 2 AC 5000000 C F IF 7 dB dBm	Dutlook Express	SENSE:PULSE	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AF TRAC TYI DI Akr2 23.2	Moct 24, 2017 E 1 2 3 4 5 6 P P P P P P 229 GHz 53 dBm -19.10 dBm	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M Stop Fr 25.000000000 G CF St 2.499100000 G
start	rum Analyzer - Sv RF 50 c Freq 12.504 Ref Offset 1. Ref 20.00	vept SA 2 AC 5000000 C F IF 7 dB dBm	Dutlook Express	SENSE:PULSE	m Ana ALIGN AUTO #Avg Type: RMS Avg Hold: 2/10	11:52:32 AI TRAC TYI D Akr2 23.2 -51.0	MOCt 24, 2017 E 1 2 3 4 5 6 P P P P P P 229 GHz 53 dBm -19.10 dBm -19.10 dBm 22 ↓↓↓↓↓↓↓	Frequency Auto Tu Center Fr 12.504500000 G Start Fr 9.000000 M Stop Fr 25.00000000 G CF St 2.499100000 G Auto Tu Preq Offs

RF Conducted Spurious Emissions_2DH5_2441



Agilent Spect	trum Analyzer - Swept S	A					
LXI RL	RF 50 Ω A0	c	SENSE:PULSE		11:53:48 AM		Frequency
Center F	req 2.4800000	PNO: Wide ←	Trig: Free Run	#Avg Type: RMS Avg Hold: 10/10	TYPE	123456 M WWWWW PPPPPP	
10 dB/div	Ref Offset 1.7 dB Ref 20.00 dBn		#Atten: 30 dB	Mkr1 2.4	479 835 2		Auto Tune
Log							
10.0			♦ 1				Center Freq 2.480000000 GHz
0.00		ANT TO ANT ANT ANT	Marran	Margan			01-15
-10.0		W					Start Fred 2.479000000 GHz
-20.0						-16.94 dBm	
-30.0						A.	Stop Freq 2.481000000 GHz
YNON	www.					www.	CF Step
-40.0							200.000 kHz Auto Man
-30.0							
-60.0							Freq Offset 0 Hz
-70.0							
Center 2. #Res BW	.480000 GHz 100 kHz	#VB	N 300 kHz	Sweep 1	Span 2.0 1.067 ms (8		
🛃 start		Outlook Express	M Agilent Spectrum			Links ^w	<
Provide the second s							
Anilant Const	teum Analumer - Sugar S						
LXI RL	t <mark>rum Analyzer - Swept S.</mark> RF 50 Ω AG	c	SENSE:PULSE	ALIGNAUTO	11:54:01 AM	Oct 24, 2017	
LXI RL		000 GHz PN0: Fast ←	► Trig: Free Run		TRACE TYPE	Oct 24, 2017 1 2 3 4 5 6 M WWWWW	Frequency
Center F	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB	OOO GHz PNO: Fast ← IFGain:Low		ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz	Frequency
LXI RL	RF 50 Ω AC Freq 12.504500	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 M WWWWW P P P P P P	Frequency
Center F	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz	Frequency Auto Tune Center Freq
Center F	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz	Frequency Auto Tune Center Freq
000 RL Center F 10 dB/div Log	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz	Frequency Auto Tune Center Freq 12.504500000 GHz
Center F	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq
20 dB/div Log 10.00	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz
201 RL Center F 10 dB/div Log 10.0	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq
20 dB/div Log 10.00	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq
Image: Center F 10 dB/div 10.0 10.0 10.0 .10.0 .10.0	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz 9.000000 MHz Stop Freq 25.000000000 GHz CF Step
Image: Wirelevent Content Im	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.499100000 GHz
Image: Wirel and Content of Cont	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.499100000 GHz Auto Man
200 dB/div 10.0 dB/div 10.0	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq 25.00000000 GHz Auto Man
M R Center F 10 dB/div 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0	RF 50 Ω AC Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn	OOO GHz PNO: Fast ← IFGain:Low	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	TRACE TYPE DET	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq 25.00000000 GHz CF Step 2.499100000 GHz Auto Man
Mail RL Center F 10.0 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0 Start 9 M	RF 50 Ω Add Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn 1 1 1 <tr td=""></tr>	C OOO GHz PN0: Fast IFGain:Low n	Trig: Free Run #Atten: 30 dB	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10 M	TRACE TYPE DET kr2 24.63 -50.67	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm -16.94 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq 25.00000000 GHz Auto Man
Mail RL Center F 10.0 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0 Start 9 M	RF 50 Ω Ald Freq 12.504500 Ref Offset 1.7 dB Ref 20.00 dBn 1 1 1	C OOO GHz PN0: Fast IFGain:Low n	► Trig: Free Run	ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10 M	TRACE DET kr2 24.63 -50.67	Oct 24, 2017 1 2 3 4 5 6 MWWWWW P P P P P P 38 GHz 0 dBm -16.94 dBm	Frequency Auto Tune Center Freq 12.504500000 GHz Start Freq 9.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.499100000 GHz

RF Conducted Spurious Emissions_2DH5_2480



<mark>ilent Spect</mark> i RL	RF 50			SENSE:PULS	Ξ ΔI	LIGN AUTO	11:55:35 AN	10ct 24, 2017	
	req 2.4020	000000	PNO: Wide 🛏		#Avg Type:	RMS	TRAC	E 1 2 3 4 5 6 E MWWWWW T P P P P P P	Frequency
) dB/div	Ref Offset 1 Ref 20.00	.7 dB	IFGain:Low	#Atten: 50 db	Μ	lkr1 2.4	02 167	00 GHz 17 dBm	Auto Tu
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	402000 GH	Z	#\/B)	M 300 kHz	s	ween 11	067 ms ()	8001 nts)	
	402000 GH 100 kHz	_	#VBV Outlook Express	N 300 kHz D Agilent Sp	ectrum Ana	weep 1.0	067 ms (8001 pts)	 11:55
Res BW	100 kHz	¢				weep 1.0	067 ms (8001 pts)	¢ 🕂 🔒 🕲 🔤 11:55
Res BW start ilent Spectr	100 kHz rum Analyzer - S RF 50	wept SA Ω AC	Outlook Express		ectrum Ana	LIGN AUTO	067 ms (11:55:48 AM TRAC	8001 pts) Links ** 10ct 24, 2017 E 1 2 3 4 5 6	र् 👫 ने 🞯 🔜 11:55 Frequency
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Res BW	100 kHz rum Analyzer - S RF 50	wept SA Ω AC 1500000	Outlook Express GHz PNO: Fast ↔	SENSE:PULS	ectrum Ana E Al #Avg Type:	LIGN AUTO RMS 2/10	11:55:48AM TRAC TYP DE T2 23.2	8001 pts) Unis ** 10ct24,2017 E 1 2 3 4 5 6 E M WWWWWW	Frequency
Res BW	100 kHz rum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept SA Ω AC 1500000	Outlook Express GHz PNO: Fast ↔	SENSE:PULS	ectrum Ana E Al #Avg Type:	LIGN AUTO RMS 2/10	11:55:48AM TRAC TYP DE T2 23.2	8001 pts) Спкз ** 10ct24,2017 Е[123456 смининининининининининининининининининин	Frequency Auto Tu
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Res BW start RL Image: start D dB/div Og 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	100 kHz rum Analyzer - S RF 50 Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 1500000	Outlook Express GHz PNO: Fast ↔	SENSE:PULS	ectrum Ana E Al #Avg Type:	LIGN AUTO RMS 2/10	11:55:48AM TRAC TYP DE T2 23.2	8001 pts) Link: **	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.000000000 0 CF Si 2.499100000 0 Auto
Res BW ilent Spector RL enter F 0 dB/div 0 g 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	100 kHz rum Analyzer - S RF 50 Freq 12.504 Ref Offset 1 Ref 20.00	wept SA Ω AC 1500000	Outlook Express GHz PNO: Fast ↔	SENSE:PULS	ectrum Ana E Al #Avg Type:	LIGN AUTO RMS 2/10	11:55:48AM TRAC TYP DE T2 23.2	8001 pts) Link: **	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.000000000 0 CF Si 2.499100000 0 Auto
Res BW start ilent Spectre RL I OdB/div Og 0.0 0.0 0.00	100 kHz rum Analyzer - S RF 50 req 12.504 Ref Offset 1 Ref 20.00 1 1	wept SA Ω AC 1500000	Outlook Express	SENSE:PULS	ectrum Ana E Al #Avg Type:	IGNAUTO RMS 210 Mk	067 ms ()	8001 pts) Link: **	Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.000000000 0 CF Si 2.499100000 0

RF Conducted Spurious Emissions_3DH5_2402



RL	rum Analyzer - S RF 50 Freq 2.4410	Ω AC 00000 GI		SENSE:PU	#Avg	ALIGN AUTO Type: RMS old: 10/10	TRA	M Oct 24, 2017 CE 1 2 3 4 5 6	Frequency
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ontor 7	.441000 GH;	2					Span 2	2.000 MHz	
	100 kHz	-	#VBV	V 300 kHz		Sweep '	1.067 ms i	(8001 pts)	
Res BW			#VBV Outlook Express	-	Spectrum Ana	Sweep ′	1.067 ms		 11:57
Res BW	100 kHz	🔎 🗘 wept SA		P Agilent				Links »	 11:5:
Res BW start ilent Spect	100 kHz	wept SA Ω AC 500000 C	Dutlook Express	SENSE:PU	LSE AVG	ALIGN AUTO Type: RMS	11:57:14 A TRA	Links ²⁴ MOct 24, 2017 CE 1 2 3 4 5 6	Frequency
Res BW start ilent Spect	100 kHz rum Analyzer - Sr RF 50	wept SA Ω AC 500000 C	Outlook Express	SENSE:PU	LSE #Avg #Avg	ALIGN AUTO Type: RMS old: 2/10	11:57:14 A TRA TY C	Links ** MOct 24, 2017 CE 12 3 4 5 6 PE MWWWW ET P P P P P P	Frequency
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Res BW start I start RL enter F	T 100 kHz Trum Analyzer - S RF 50 Freq 12.504 Ref Offset 1	wept 5A Ω AC 1500000 C F IF .7 dB	butlook Express BHZ PNO: Fast ↔	SENSE:PU	LSE #Avg #Avg	ALIGN AUTO Type: RMS old: 2/10	11:57:14A TRA TY C	MOct 24, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 985 GHZ	Frequency Auto Tu Center F
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Res BW start ilent Spect RL enter F 0 dB/div og 0.0 00	100 kHz Rrum Analyzer - S RF 50 Freq 12.504 Ref Offset 1 Ref 20.00	wept 5A Ω AC 1500000 C F IF .7 dB	butlook Express BHZ PNO: Fast ↔	SENSE:PU	LSE #Avg #Avg	ALIGN AUTO Type: RMS old: 2/10	11:57:14A TRA TY C	Moct 24, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 285 GHz 72 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F
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Res BW start ilent Spect RL od B/div 0 0 0 0 0 0 0 0 0 0 0 0 0	100 kHz Rrum Analyzer - S RF 50 Freq 12.504 Ref Offset 1 Ref 20.00	wept 5A Ω AC 1500000 C F IF .7 dB	butlook Express BHZ PNO: Fast ↔	SENSE:PU	LSE #Avg #Avg	ALIGN AUTO Type: RMS old: 2/10	11:57:14A TRA TY C	Moct 24, 2017 CE 1 2 3 4 5 6 PE MWWWW ET P P P P P 285 GHz 72 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 P Stop F
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Res BW jient Spect RL enter F 0 dB/div 0 0 0.0	100 kHz Rrum Analyzer - S RF 50 Freq 12.504 Ref Offset 1 Ref 20.00		butlook Express	SENSE:PU	LSE #Avg #Avg	ALIGN AUTO Type: RMS old: 2/10	11:57:14A TRA TY C	Moct 24, 2017 CE 1 2 3 4 5 6 PE MWWWWW ET P P P P P 285 GHz 72 dBm -19.63 dBm	Frequency Auto Tu Center F 12.504500000 0 Start F 9.000000 0 Stop F 25.000000000 0 CF S 2.499100000 0
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Res BW jient Spect RL enter F 0 dB/div 0 0 0.00	100 kHz		Autiook Express	SENSE:PU	LSE #Avg #Avg	ALIGN AUTO Type: RMS old: 2/10	11:57:14A TRA TY C Ikr2 22.9 -50.2	Moct 24, 2017 CE 1 2 3 4 5 6 PE MWWWWW ET P P P P P 285 GHz 72 dBm -19.63 dBm	Auto Tu Center F 12.504500000 0 Start F 9.000000 M Stop F 25.000000000 0 CF Si 2.499100000 0

RF Conducted Spurious Emissions_3DH5_2441



RL RL	<mark>rum Analyzer - Swa</mark> RF 50 Ω			SENSE:PULSE	ALIGN AUTO	11:58:38 AI	MOct 24, 2017	_
enter F	req 2.48000	F	Hz NO: Wide ↔ Gain:Low	Trig: Free Run #Atten: 30 dB	#Avg Type: RMS Avg Hold: 10/10	TRAC	^{СЕ} 123456 РЕ М WWWWW ЕТ Р Р Р Р Р Р	Frequency
) dB/div	Ref Offset 1.7 Ref 20.00 c	7 dB	-Gain:Low	WALLEN, OU VID	Mkr1 2	.480 163 3.0	00 GHz 82 dBm	Auto Tu
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							occi broll	
y start		20	Outlook Express	🗊 Agilent Spectru				11:58
y start	rum Analyzer - Swa	ept SA			m Ana		Links »	
y start ilent Spect		ept SA AC 500000 (Dutlook Express GHZ PNO: Fast ↔	SENSE:PULSE		11:58:51 Al TRAC TY	Links ** MOct 24, 2017 ^{CE} 1 2 3 4 5 6 PE M WWWWWW	Frequency
start gilent Spect RL enter F	RF 50 Ω	ept SA AC 500000 (I IF 7 dB	Dutlook Express	SENSE:PULSE	m Ana ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:58:51 AI TRAI TY D Akr2 24.5	MOct 24, 2017 CE 123456 PE MWWWW ET P P P P P P	Frequency
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y start ilent Spect	RF 50 Ω Freq 12.5045 Ref Offset 1.7	ept SA AC 500000 (I IF 7 dB	Dutlook Express GHZ PNO: Fast ↔	SENSE:PULSE	m Ana ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:58:51 AI TRAI TY D Akr2 24.5	MOct 24, 2017 ²² 1 2 3 4 5 6 ²⁴ M WWWW ²⁵ P P P P P 550 GHz	Frequency Auto Tu Center F
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ilent Spect RL enter F	RF 50 Ω Freq 12.5045 Ref Offset 1.7 Ref 20.00 c	ept <mark>SA AC 5000000 (I IF</mark>	Dutlook Express GHZ PNO: Fast ↔	SENSE:PULSE	m Ana ALIGNAUTO #Avg Type: RMS Avg Hold: 2/10	11:58:51 AI TRAI TY D Akr2 24.5	MOct 24, 2017 ²² 1 2 3 4 5 6 ²⁴ M WWWW ²⁵ P P P P P 550 GHz	Frequency Auto Tu Center Fi 12.504500000 G Start Fi
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RF Conducted Spurious Emissions_3DH5_2480

9.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-49.76	2.0	0	47.500	PEAK	74	PASS
DH5	On	2390.0	-50.24	2.0	0	47.880	PEAK	74	PASS
DH5	On	2483.5	-49.38	2.0	0	47.500	PEAK	74	PASS
DH5	On	2500.0	-50.56	2.0	0	47.880	PEAK	74	PASS
2DH5	On	2310.0	-50.29	2.0	0	46.970	PEAK	74	PASS
2DH5	On	2390.0	-49.61	2.0	0	48.660	PEAK	74	PASS
2DH5	On	2483.5	-48.60	2.0	0	46.970	PEAK	74	PASS
2DH5	On	2500.0	-48.17	2.0	0	48.660	PEAK	74	PASS
3DH5	On	2310.0	-50.59	2.0	0	46.670	PEAK	74	PASS
3DH5	On	2390.0	-49.67	2.0	0	47.590	PEAK	74	PASS
3DH5	On	2483.5	-49.60	2.0	0	47.660	PEAK	74	PASS
3DH5	On	2500.0	-49.58	2.0	0	47.680	PEAK	74	PASS



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Agilent Spectrum Analyzer - XI RL RF 50		SENSE:PULSE	ALIGN AUTO	11:46:13 AM Oct 24, 2017	
Center Freq 2.352	000000 GHz PNO: Fast +	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 10/10	TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P P P P P P	Frequency
	IFGain:Low	#Atten: 30 dB			Auto Tune
Ref Offset 10 dB/div Ref 20.0			Mkr3 2	2.390 000 GHz -50.238 dBm	Auto Tulk
Log					
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-10.0					2.35200000 GH
-20.0					Otout From
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3 N f	2.390 000 GHz	-50.238 dBm			Freq Offse 0 H:
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R Agilent Spectrum Analyzer - M RL RF 5	estrict-band bar		ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	Link * g On_PEAK 11:49:10 AMOct 24, 2017 TRACE 1 2 3 4 5 6 TYPE [M WWWWW DET P P P P P P	Frequency
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Ref Offse 10 dB/div Ref 2.485 Ref Offse 10 dB/div Ref 20.0 10.0 -20.0 -30.0	estrict-band bar	sense:pulse	AligNAUTO Avg Type: Log-Pwr Avg Hold: 10/10 Mkr3 2.5	Unic * g On_PEAK 11:49:10 AMOct 24, 2017 ТRACE 1 2 3 4 5 6 ТУРЕ [М ЧИЛИНИИ DET Р РР РР Р 00 000 00 GHz	Frequency Auto Tur Center Fre 2.48900000 GF Start Fre 2.478000000 GF
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00000 GHz PN0: Fast ←	SENSE:PULSE	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 10/10	11:51:10 AM Oct 24, 2017 TRACE 1 2 3 4 5 6 TYPE M W///////// DET P P P P P P	Frequency
IFGain:Low	#Atten: 30 dB	Mkr3	2.390 000 GHz	Auto Tune
			1	Center Freq 2.357000000 GHz
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× 2.401 897 GHz 2.310 000 GHz 2.390 000 GHz	Y FL 1.692 dBm -50.286 dBm -49.614 dBm	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offset
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Outlook Express	👘 Agilent Spectrum	n Ana	Links »	🖥 👬 🕲 🔃 11:51 AM
strict-band bar	nd-edge measi	urements_Hoppi	ng On_PEAK	
	SENSE:PULSE	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 10/10	11:54:12 AMOct 24, 2017 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET R P P P P	+
.7 dB	#Atten: 30 dB	Mkr3 2.	500 000 00 GHz	Auto Tu
dBm			-48.174 dBm	Center Fr 2.489000000 G
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#VB	3.546 dBm -48.602 dBm	Sweep 1	Stop 2.50000 GHz	2.50000000 G CF Ste 2.200000 M <u>Auto</u> M Freq Offs
	dBm dBm dBm dBm dBm dBm dBm dBm	dBm a a a a <	dBm dBm dBm dBm dBm dBm dBm dBm	dBm -49.614 dBm dam -49.614 dBm 2.401 957 GHz 1.692 dBm 2.310 000 GHz -49.614 dBm 2.390 000 GHz -11.54:12AMORT24, 2017 2.40 SERSE:PULSE ALIGNAUTO 11:54:12AMORT24, 2017 2.40 SERSE:PULSE ALIGNAUTO 11:54:12AMORT24, 2017 2.40 SERSE:PULSE ALIGNAUTO TRACE 12.3 4 5 d 000000 GHz Trig: Free Run Avg Type: Log-P



