





Danu Euge	e(Hopping) N	IVNT 1-DH1 248	80MHz Ant1 Hopping F	Ker
Agilent Spectrum Analyzer - Swept SA				- ē <del>×</del>
102 RL   RF   50 Ω AC   Center Freq 2.480000000 GHz	PNO: Wide ↔ IFGain:Low	SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	06:59:52 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N
Ref Offset 1.9 dB 10 dB/div Ref 20.00 dBm			Ν	/kr1 2.480 224 GHz -3.446 dBm
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-10.0	n pro	h h		
-20.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		h.	
-30.0				
-40.0				
-60.0			W John Monro	Lawn Marana
-70.0				
Center 2.480000 GHz				Span 8.000 MHz
#Res BW 100 kHz	#VI	300 kHz	Swe	ep 1.000 ms (1001 pts)
Band Edge(H	opping) NVI	NT 1-DH1 2480N	1Hz Ant1 Hopping Emi	ISSION
			··· · · ·	
Magilent Spectrum Analyzer - Swept SA		SENSE:INT	ALIGN AUTO	07:00:24 PM Dec 25, 2021
Agilent Spectrum Analyzer - Swept SA	PNO: Fast ↔ IFGain:Low	SENSE:INT Trig: Free Run #Atten: 30 dB		07:00:24 PM Dec 25, 2021 TRACE 23.4 5 6 TYPE MWWWW DET P. NNNN
Agilent Spectrum Analyzer - Swept SA X RL RF 50 Ω AC	PNO: Fast ↔	_ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	07:00:24 PM Dec 25, 2021 TRACE 1 2 3 4 5 6
Agilent Spectrum Analyzer - Swept SA           K         RL         RF         50 Ω         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           Ref 20.00 dBm	PNO: Fast ↔	_ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	07:00:24 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE WANNIN DET PNNNNN MKr1 2.478 2 GHz
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           Log         10 dB/div         Ref 20.00 dBm           100         100         100         100           200         100         100         100         100           200         100 <t< td=""><td>PNO: Fast ↔</td><td>_ Trig: Free Run</td><td>ALIGN AUTO Avg Type: Log-Pwr</td><td>07:00:24 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE WWWW DET PNNNNN MKr1 2.478 2 GHz</td></t<>	PNO: Fast ↔	_ Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	07:00:24 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE WWWW DET PNNNNN MKr1 2.478 2 GHz
Ref Offset 1.9 dB         Ref 20.00 dBm           00         RL         RF         50 Ω         AC           Center Freq 2.526000000 GHz         Ref Offset 1.9 dB         Ref 20.00 dBm         Ref 20.00 dBm           0         dB/div         Ref 20.00 dBm         Ref 20.00 dBm         Ref 20.00 dBm           10         0 <t< td=""><td>PN0: Fast ↔</td><td>→ Trig: Free Run #Atten: 30 dB</td><td>ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000</td><td>C7:00:24 PMDec 25, 2021 TRACE 12:34.5 G TYPE MWWWWW DET P NNNNN MKr1 2.478 2 GHz -3.172 dBm -20:45 d0m</td></t<>	PN0: Fast ↔	→ Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	C7:00:24 PMDec 25, 2021 TRACE 12:34.5 G TYPE MWWWWW DET P NNNNN MKr1 2.478 2 GHz -3.172 dBm -20:45 d0m
Ref         Sign 2         Agilent Spectrum Analyzer - Swept SA           R         RF         S0 Ω         AC           Center Freq 2.526000000 GHz         Ref Offset 1.9 dB         Context 1.9 dB           Io         dB/div         Ref 20.00 dBm         Context 1.9 dB           Io         dB/div         Ref 20.00 dBm         Context 1.9 dB           Io         Agile Agi	PN0: Fast ↔	→ Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr	C7:00:24 PMDec 25, 2021 TRACE 12:34.5 G TYPE MWWWWW DET P NNNNN MKr1 2.478 2 GHz -3.172 dBm -20:45 d0m
Agilent Spectrum Analyzer - Swept SA           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           0 dB/div         Ref 20.00 dBm           -0g	PN0: Fast IFGain:Low	→ Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:00:24 PMDec 25, 2021 TRACE 12:34.56 DET P.NNNNN MKr1 2.478 2 GHz -3.172 dBm -23:45 cm -23:45 cm -23:45 cm
Agilent Spectrum Analyzer - Swept SA           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm           -og	PN0: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:00:24 PMDec 25, 2021 TRACE 12 3 4 5 6 DET PMDec 25, 2021 Mkr1 2.478 2 GHz -3.172 dBm -23:60 cm -23:60 cm -23:60 cm -23:60 cm
Agilent Spectrum Analyzer - Swept SA           R         RF         50 Ω         AC           Center Freq 2.526000000 GHz         Ref Offset 1.9 dB         Ref 20.00 dBm         Add 20000000 GHz           Image: Start 2.47600 GHz         Add 20000000 GHz         Add 20000000 GHz         Add 20000000 GHz           Start 2.47600 GHz         Add 20000000 GHz         Add 20000000 GHz         Add 20000000 GHz         Add 20000000 GHz           MRR         MODE TRC SCL         X         Add 20000000 GHz         X         Add 200000000 GHz         Add 200000000000000000000000000000000000	PN0: Fast IFGain:Low	→ Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:00:24 PMDec 25, 2021 TRACE 12:34.56 DET P.NNNNN MKr1 2.478 2 GHz -3.172 dBm -23:45 cm -23:45 cm -23:45 cm
Agilent Spectrum Analyzer - Swept SA           K         RF         S0 Ω         AC           Center Freq 2.5260000000 GHz         Ref Offset 1.9 dB         Ref 20.00 dBm         Generation           10 dB/div         Ref 20.00 dBm         - <t< td=""><td>PN0: Fast IFGain:Low</td><td>→ Trig: Free Run #Atten: 30 dB</td><td>ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000</td><td>07:00:24 PMDec 25, 2021 TRACE 12 3 4 5 6 DET PMDec 25, 2021 Mkr1 2.478 2 GHz -3.172 dBm -23:60 cm -23:60 cm -23:60 cm -23:60 cm</td></t<>	PN0: Fast IFGain:Low	→ Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:00:24 PMDec 25, 2021 TRACE 12 3 4 5 6 DET PMDec 25, 2021 Mkr1 2.478 2 GHz -3.172 dBm -23:60 cm -23:60 cm -23:60 cm -23:60 cm
Agilent Spectrum Analyzer - Swept SA           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           Conter Freq 2.526000000 GHz           Ref Offset 1.9 dB           Conter Freq 2.526000000 GHz           Conter Freq 2.526000000 GHz           Ref Offset 1.9 dB           Conter Freq 2.526000000 GHz           Conter Freq 2.526000000 GHz           Conter Freq 2.526000 GHz           Conter Freq 2.52600 GHz           Ref Offset 1.9 dB           Conter Freq 2.52600 GHz           Ref Offset 1.9 dB           Conter Freq 2.526000 GHz           Ref Offset 1.9 dB           Start 2.47600 GHz           Ref BW 100 KHz           MRR MODE TRC SCI         X           I f         2.483 5           X I f         2.500 0           X I f         2.497 9 0           G         I	PN0: Fast IFGain:Low	→ Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:00:24 PMDec 25, 2021 TRACE 12 3 4 5 6 DET PMDec 25, 2021 Mkr1 2.478 2 GHz -3.172 dBm -23:60 cm -23:60 cm -23:60 cm -23:60 cm

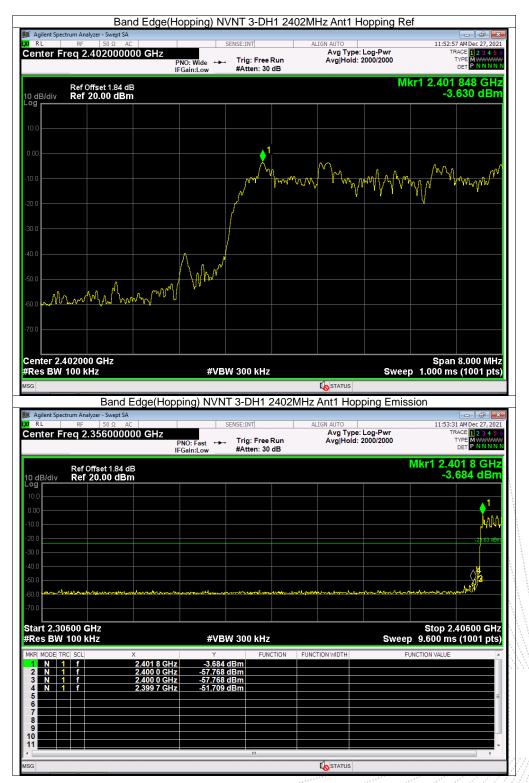






Band Edg	e(Hopping) N	VNT Z-DH1 24801	MHz Ant1 Hopping Ref	
🎉 Agilent Spectrum Analyzer - Swept SA				
X         RL         RF         50 Ω         AC         AC           Center Freq 2.480000000 GHz		SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:13:51 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N
Ref Offset 1.9 dB 10 dB/div Ref 20.00 dBm	II Galil.Low		Mkr	1 2.477 880 GHz -3.181 dBm
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Center 2.480000 GHz				Span 8.000 MHz
#Res BW 100 kHz	#VB	W 300 kHz		1.000 ms (1001 pts)
MSG			STATUS	
Band Edge(H	lopping) NVN	T 2-DH1 2480MH	z Ant1 Hopping Emissi	on
🎉 Agilent Spectrum Analyzer - Swept SA		ormor well		
		SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 0         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm	Z PNO: Fast ↔	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021
Agilent Spectrum Analyzer - Swept SA Agil RL RF 50 Q AC Center Freq 2.526000000 GHz Ref Offset 1.9 dB	Z PNO: Fast ↔	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M DET PNNNNN Kr1 2,478 1 GHz
Agilent Spectrum Analyzer - Swept SA           IM         RF         50 Ω         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm           Log           10.0	Z PNO: Fast ↔	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M DET PNNNNN Kr1 2,478 1 GHz
Agilent Spectrum Analyzer - Swept SA           RE         SO Q         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm           000         1         0           10.0         1         0           -10.0         1         0           -30.0         -40.0         4	Z PNO: Fast ↔	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M DET PNNNNN Kr1 2,478 1 GHz
Agilent Spectrum Analyzer - Swept SA           RE         50 Q         AC           Center Freq 2.526000000 GHz         Ref Offset 1.9 dB         Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm         Ac         Ac           00         1         Ac         Ac         Ac           10 dB/div         Ref 20.00 dBm         Ac         Ac         Ac           20 0         1         Ac         Ac         Ac         Ac           30 0         1         Ac	Z PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TRACE 12 23 45 TYPE NNNNN kr1 2.478 1 GHz -3.618 dBm
Agilent Spectrum Analyzer - Swept SA           M         RL         RF         50 Q         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB         Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm           10 d         1         1	Z PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO	07:14:24 PM Dec 25, 2021 TRACE 12.23 PM Dec 25, 2021 TRACE 12.24 PM Dec 25, 2021 Det PM NM NM PM
Agilent Spectrum Analyzer - Swept SA           Ref         50 Ω         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm	Z PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000 Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TYPE MANNAN 0ET PNNNNN kr1 2.478 1 GHz -3.618 dBm -3.618 dBm
Agilent Spectrum Analyzer - Swept SA           Image: Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           Io dB/div         Ref 20.00 dBm           Log         Io           10 dB/div         Ref 20.00 dBm           200         Io           200         Io           200         Io           30.0         Io           20.0         Io           30.0         Io           Start 2.47600 GHz           #Res BW 100 kHz         X           Instruction of the set	z PNO: Fast IFGain:Low #VB #VB #VB GHz -3.618 GHz -50.365 GHz -50.365	Trig: Free Run #Atten: 30 dB           #Atten: 30 dB           W 300 kHz           FUNCTION           FUNCTION           Bm           dBm	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000 Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TRACE 12.23 PM Dec 25, 2021 TRACE 12.24 PM Dec 25, 2021 Det PM NM NM PM
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 R         AC           Center Freq 2.526000000 GHz           Ref Offset 1.9 dB         10 dB/div         Ref 20.00 dBm           10 dB/div         Ref 20.00 dBm	z PNO: Fast IFGain:Low #VB #VB #VB GHz -3.618 GHz -58.748 GHz -58.748 GHz -58.748	Trig: Free Run #Atten: 30 dB           #Atten: 30 dB           W 300 kHz           FUNCTION           FUNCTION           Bm           dBm	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000 Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TYPE MANNAN 0ET PNNNNN kr1 2.478 1 GHz -3.618 dBm -3.618 dBm
Agilent Spectrum Analyzer - Swept SA           Image: Center Freq 2.526000000 GHz           Ref Offset 1.9 dB           10 dB/div         Ref 20.00 dBm           10 dB/div         Ref 20.00 dBm           200         1           10 dB/div         Ref 20.00 dBm           200         1           200         1           200         1           200         1           200         1           200         1           200         1           200         1           200         1           200         1           200         1           200         1           200         2           300         1           400         2           500         2           400         2           500         2           400         2           500         2           4         1         1           5         1         2         2           6         2         3         3	z PNO: Fast IFGain:Low #VB #VB #VB GHz -3.618 GHz -50.365 GHz -50.365	Trig: Free Run #Atten: 30 dB           #Atten: 30 dB           W 300 kHz           FUNCTION           FUNCTION           Bm           dBm	ALIGN AUTO Avg Type: Log-Pwr Avg Hold: 2000/2000 Avg Hold: 2000/2000	07:14:24 PM Dec 25, 2021 TYPE MANNAN 0ET PNNNNN kr1 2.478 1 GHz -3.618 dBm -3.618 dBm







Ba	nd Edge(Ho	opping) NV	'NT 3-DH1 24	80MHz Ant1 Ho	opping Ref	
📕 Agilent Spectrum Analyzer - Swept SA	A					- ē 💌
Center Freq 2.480000		SE	ENSE:INT	ALIGN AUTO Avg Type: L	og-Pwr	11:55:06 AM Dec 27, 2021 TRACE 1 2 3 4 5 6
Center Freq 2.480000	PI	NO:Wide ↔	Trig: Free Run	Avg Hold: 2	000/2000	
	IF	Gain:Low	#Atten: 30 dB			
Ref Offset 1.9 di					MKr1	2.476 976 GHz -4.309 dBm
10 dB/div Ref 20.00 dB	m					-4.309 UBIII
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Center 2.480000 GHz						Span 8.000 MHz
#Res BW 100 kHz		#VBV	/ 300 kHz		Sweep 1.	000 ms (1001 pts)
MSG				<b>I</b> STATUS		
		oing) NVNT	3-DH1 2480	MHz Ant1 Hopp	ing Emissior	)
Agilent Spectrum Analyzer - Swept S/					oing Emissior	- ē 🔀
📁 Agilent Spectrum Analyzer - Swept Si 💢 RL RF 50 Ω	A AC		ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr	11:55:39 AM Dec 27, 2021
Agilent Spectrum Analyzer - Swept S/	AC DOO GHz P	NO: Fast ↔	ENSE:INT	ALIGN AUTO	.og-Pwr	- ē 🔀
Magilent Spectrum Analyzer - Swept SA	A AC DOO GHz P IF	SE	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE MWWWW DET P NNNN
Agilent Spectrum Analyzer - Swept Si	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept SA     RL RF 50.Ω     Center Freq 2.5260000     Ref Offset 1.9 d     10 dE/div Ref 20.00 dB     Log	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE MWWWW DET P NNNN
Agilent Spectrum Analyzer - Swept Si           WirkL         RF         50 Ω           Center Freq         2.52660001           Ref Offset 1.9 d         Ref 20.00 dB           Log         10 dB/div         Ref 20.00 dB	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept SA     RL RF 50.Ω     Center Freq 2.5260000     Ref Offset 1.9 d     10 dE/div Ref 20.00 dB     Log	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept SA           RL         RF         50 Ω           Center Freq 2.5260000           Ref Offset 1.9 d           10 dB/div         Ref 20,00 dB           10.0         10.0	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Si           RE         SO Q           Center Freq 2.5260000           Ref Offset 1.9 d           10 dB/div         Ref 20.00 dB           10.0         1           10.0         1	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Sr           Ref         S0 Q           Center Freq         2.5260000           Ref         Offset 1.9 d           10 dB/div         Ref         20.00 dB           10.0         1         1           10.0         1         1	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Sr           Ref         S0 Q           Center Freq 2.5260000           Ref Offset 1.9 d           10 dB/div         Ref 20.00 dB           10.0         1           -10.0         444           -20.0         444	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Sr           Ref         50 Q           Center Freq         2.5260000           Ref         Offset         1.9 d           Log         Ref         20.00 dB           10         1         0         1           20.0         1         0         1           30.0         1         0         1           40.0         2         2         2	A AC DOO GHz P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Sr           Ref         S0 Q           Center         Freq         2.5260000           Ref         Offset         1.9 d           Log         10         0.00         1           10.00         1         0.00         1           -20.0         1         0         0           -40.0         0         0         0	A DOO GHZ P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Si           Ref         S0 Q           Center         Freq         2.5260000           Ref         Offset 1.9 d         10 dB/div         Ref         20.00 dB           10         D         1         0         0         0         1           -20.0         -40.0         -2	A DOO GHZ P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	.og-Pwr 000/2000	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 5 6 TYPE M DET P NNNN r1 2.477 8 GHz
Agilent Spectrum Analyzer - Swept Signal           RE         S0 Q           Center Freq 2.5260000           Ref Offset 1.9 d           10 dB/div         Ref 20.00 dB           10.0         1           200         1           300         1           400         2           600         2           70.0         2	A DOO GHZ P IF	NO: Fast ↔	ENSE:INT	ALIGN AUTO Avg Type: L	og-Pwr 000/2000 MK	11:55:39 M Dec 27, 2021 TRACE 2 3 4 5 6 TYPE NNNNN DET NNNNN 12.4777 8 GHz -4.342 dBm -24.31 dbm
Agilent Spectrum Analyzer - Swept Si           Ref Offset 1.9 d           Center Freq 2.5260000           Ref Offset 1.9 d           10 dE/div         Ref 20.00 dB           100         1           200         1           200         1           200         1           200         1           200         2           200         2           200         2           200         2           200         2           200         2           200         2           200         2           300         3           400         2           500         2           500         3           500         4           500         4           500         4           500         5           5         5         5           5         5         5         5           5         5         5         5         5           5         5         5         5         5         5           6         5         5	A DOO GHZ P IF	NO: Fast Gain:Low	INSE:INT	ALIGN AUTO Avg Type: L	og-Pwr 000/2000 Mk	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 52 1 TRACE 2 3 4 52 1 TRAC
Agilent Spectrum Analyzer - Swept Sr           Ref Offset 1.9 d           Center Freq 2.5260000           Ref Offset 1.9 d           10 dE/div         Ref 20.00 dB           10.0         1           200         1           300         1           400         1           400         2           600         2           700         2           Start 2.47600 GHz         #Res BW 100 kHz	A AC AC AC A A A A A A A A A A A A A	NO: Fast Gain:Low	NSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 50 Det NNNNN 11:2.477 8 GHz -4.342 dBm -24.31 200 -24.31 20
Agilent Spectrum Analyzer - Swept SJ           RL         RF         50 Ω           Center Freq 2.5260000         Ref Offset 1.9 d           Ref Offset 1.9 d         Ref 20.00 dB           Log         Interview         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         Interview           -20.0         Interview         Ref 20.00 dB           -30.0         Interview         Interview           -20.0         Interview         Interview           -30.0         Interview         Interview         Interview           -20.0         Interview         Interview         Interview           -20.0         Interview         Interview         Interview         Interview           -20.0         Interview         Interview         Interview         Interview         Interview           -20.0         Interview         Interview         Interview         Interview         Interview         Interview         Interview           -20.0         Interview         Interview <t< td=""><td>A AC AC AC A A A A A A A A A A A A A</td><td>NO: Fast ↔ Gain:Low #VBM</td><td>ANSE:INT</td><td>ALIGN AUTO Avg Type: L</td><td>og-Pwr 000/2000 Mk</td><td>11:55:39 AM Dec 27, 2021 TRACE 2 3 4 52 1 TRACE 2 3 4 52 1 TRAC</td></t<>	A AC AC AC A A A A A A A A A A A A A	NO: Fast ↔ Gain:Low #VBM	ANSE:INT	ALIGN AUTO Avg Type: L	og-Pwr 000/2000 Mk	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 52 1 TRACE 2 3 4 52 1 TRAC
Agilent Spectrum Analyzer - Swept SJ           Ref         S0 Ω           Center Freq         2.5260000           Ref         Offset         1.9 d           10 dE/div         Ref         20.00 dB           10 dE/div         Ref         20.00 dB           10 d         1         1           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2         -2           -20 0         -2         -2         -2         -2           -20 0         -2         -2         -2         -2         -2           -20 0         -2         -2         -2         -2         -2         -2         -2         -2         -2	A AC AC AC AC A A A A A A A A A A A A A	NO: Fast → Gain:Low #VBW Y -4.342 d -57.600 d	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 50 Det NNNNN 11:2.477 8 GHz -4.342 dBm -24.31 200 -24.31 20
Agilent Spectrum Analyzer - Swept SJ           RL         RF         50 Ω           Center Freq 2.5260000         Ref Offset 1.9 d           Ref Offset 1.9 d         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         10 dB/div           10 dB/div         Ref 20.00 dB         10 dB/div         10 dB/div           10 dB/div         Ref 20.00 dB         10 dB/div         10 dB/div           20 d         1         1         1         1           20 d         2         2         1         1         1           30 d         1         1         1         1         1	A AC AC AC AC AC AC AC AC AC A	NO: Fast → Gain:Low	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 50 Det NNNNN 11:2.477 8 GHz -4.342 dBm -24.31 200 -24.31 20
Agilent Spectrum Analyzer - Swept SJ           Agilent Spectrum Analyzer - Swept SJ           RL         RF         50 Ω           Center Freq 2.5260000           Ref Offset 1.9 d           Log         Ref Offset 1.9 d           10 dB/div         Ref 20.00 dB           -000         -000           -10.0         -000           -20.0         -000	A AC AC AC AC AC AC AC AC AC A	NO: Fast → Gain:Low #VBW ¥VBW Y -4.342 d -57.600 d	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 AM Dec 27, 2021 TRACE 2 3 4 50 Det NNNNN 11:2.477 8 GHz -4.342 dBm -24.31 200 -24.31 20
Agilent Spectrum Analyzer - Swept SJ           Ref         S0 Ω           Center Freq         2.5260000           Ref         Offset         1.9 d           10 dE/div         Ref         20.00 dB           10 dE/div         Ref         20.00 dB           10 d         1         1           -20 0         -2         -2           -30 0         -2         -2           -40 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2           -20 0         -2         -2         -2           -20 0         -2         -2         -2         -2           -20 0         -2         -2         -2         -2           Start         2.47600 GHz         -2         -2         -2	A AC AC AC AC AC AC AC AC AC A	NO: Fast → Gain:Low #VBW ¥VBW Y -4.342 d -57.600 d	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 M Dec 27, 2021 TRACE 2 3 45 TYPE MANNAN DET NNNNN T1 2.477 8 GHz -4.342 dBm -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -245 CEM
Agilent Spectrum Analyzer - Swept SJ           RL         RF         50 Ω           Center Freq 2.5260000         Ref Offset 1.9 d           Ref Offset 1.9 d         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         10 dB/div           20 d         10 d         10 d         10 d         10 d           20 d         2         2         10 d         10 d         10 d           20 d         2         2         10 d	A AC AC AC AC AC AC AC AC AC A	NO: Fast → Gain:Low #VBW ¥VBW Y -4.342 d -57.600 d	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 M Dec 27, 2021 TRACE 2 3 45 TYPE MANNAN DET NNNNN T1 2.477 8 GHz -4.342 dBm -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -245 CEM
Agilent Spectrum Analyzer - Swept SJ           Agilent Spectrum Analyzer - Swept SJ           Rt         RF         50 G           Center Freq 2.5260000           Ref Offset 1.9 d           10 dE/div         Ref 20.00 dB           10 dE/div         Ref 20.00 dB           10 dE/div         Ref 20.00 dB           200         200           300         400           400         22           600         22           800         22           800         22           800         22           90         1         1           9         9         9         9         9           90         9         9         9         9	A AC AC AC AC AC AC AC AC AC A	*VO: Fast Gain:Low #VBW ¥VBW Y -4.342 d -57.600 d -57.762 d	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 M Dec 27, 2021 TRACE 2 3 45 TYPE MANNAN DET NNNNN T1 2.477 8 GHz -4.342 dBm -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -245 CEM
Agilent Spectrum Analyzer - Swept SJ           RL         RF         50 Ω           Center Freq 2.5260000         Ref Offset 1.9 d           Ref Offset 1.9 d         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         Ref 20.00 dB           10 dB/div         Ref 20.00 dB         10 dB/div         10 dB/div           20 d         10 d         10 d         10 d         10 d           20 d         2         2         10 d         10 d         10 d           20 d         2         2         10 d	A AC AC AC AC AC AC AC AC AC A	*VO: Fast Gain:Low #VBW ¥VBW Y -4.342 d -57.600 d -57.762 d	INSE:INT	ALIGN AUTO Avg Type: L Avg Hold: 2	og-Pwr 000/2000 Mk	11:55:39 M Dec 27, 2021 TRACE 2 3 45 TYPE MANNAN DET NNNNN T1 2.477 8 GHz -4.342 dBm -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -243 CEM -245 CEM



#### 10. 20 DB Bandwidth

#### 10.1 Block Diagram Of Test Setup



#### 10.2 Limit

N/A

#### 10.3 Test Procedure

- 1. Set RBW = 30kHz.
- 2. Set the video bandwidth (VBW)  $\ge$  3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.

7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.



### 10.4 Test Result

Temperature : 26℃			Relative Humidity :	54%
Test Voltage :	DC 7.6\	V Remark		N/A
Modulation		Test Cha	innel	Bandwidth(MHz)
GFSK		Low		1.005
GFSK		Middl	e	1.034
GFSK		High		1.003
π/4DQPSK		Low		1.286
π/4DQPSK		Middle		1.287
π/4DQPSK		High		1.296
8DPSK		Low		1.264
8DPSK		Middle		1.278
8DPSK		High		1.262

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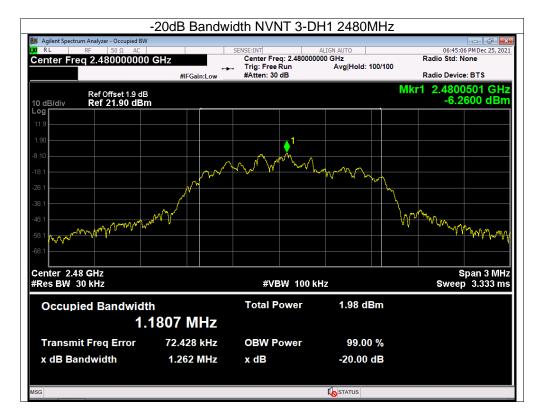














#### 11. Maximum Peak Output Power

#### 11.1 Block Diagram Of Test Setup



#### 11.2 Limit

		FCC Part15 (15.247),	Subpart C	
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS

### 11.3 Test Procedure

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

2. Set the spectrum analyzer: RBW = 3MHz. VBW = 3MHz. Sweep = auto; Detector Function = Peak.

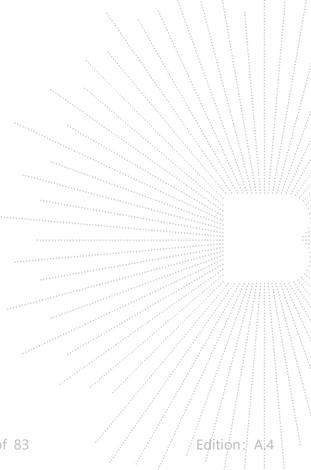
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

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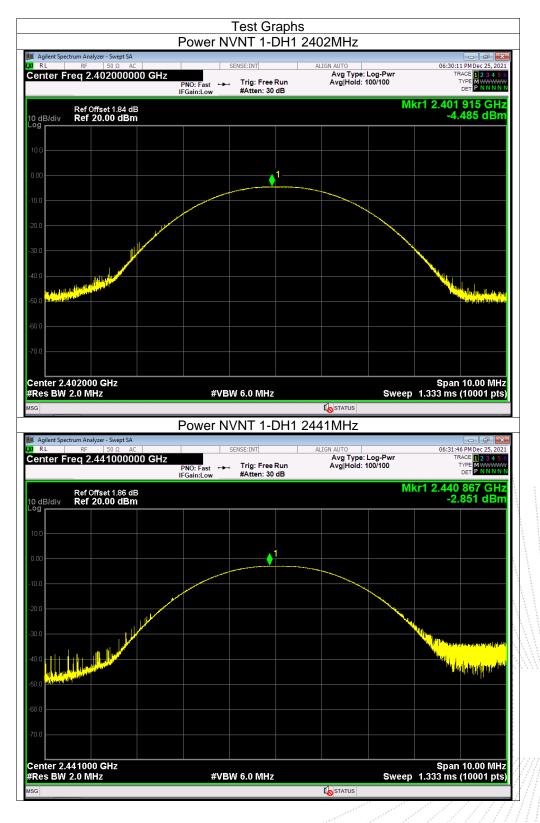


### 11.4 Test Result

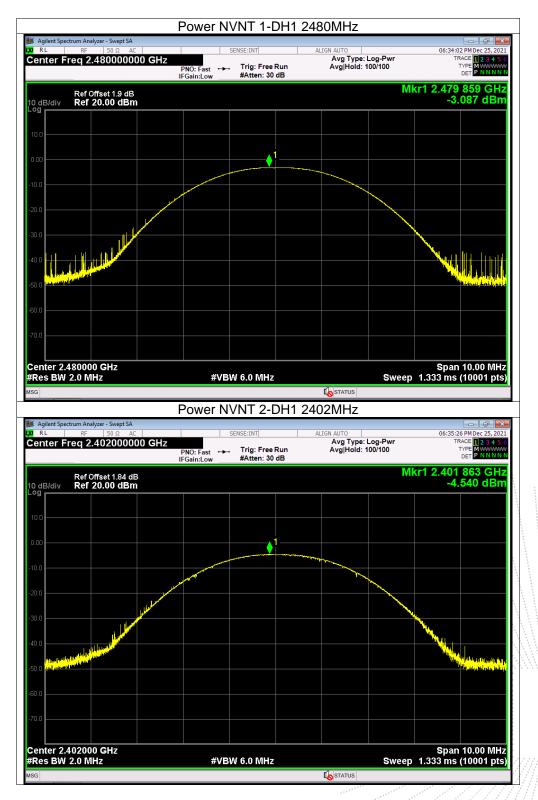
Temperature :	<b>26</b> ℃	Relative Humidity :	54%			
Test Voltage :	DC 7.6V	Remark:	N/A	/A		
Modulation	Test Channel	Output Power (dBm)		Limit (dBm)		
GFSK	Low	-4.49		21		
GFSK	Middle	-2.85		21		
GFSK	High	High -3.09		21		
π/4DQPSK	Low	-4.54		21		
π/4DQPSK	Middle	-2.86		21		
π/4DQPSK	High	High -3.08		High -3.08		21
8DPSK	Low	Low -4.51		Low -4.51		21
8DPSK	Middle	Middle -2.93		21		
8DPSK	High	-3.14		21		



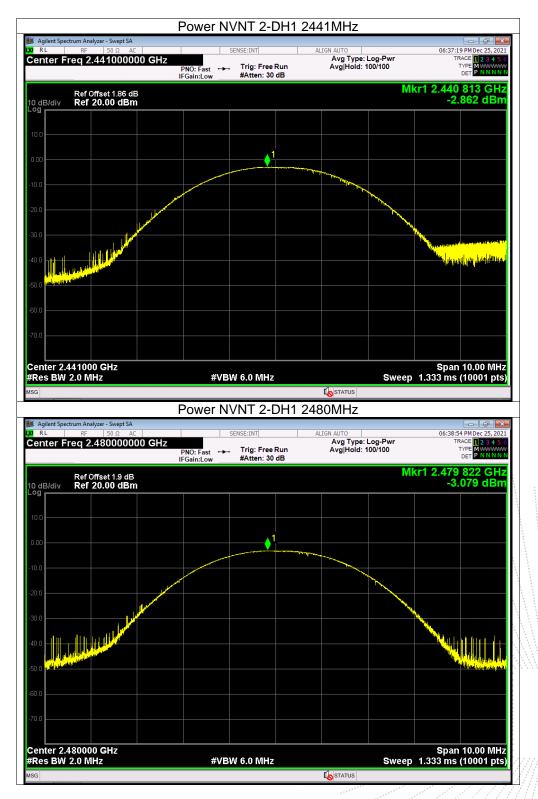




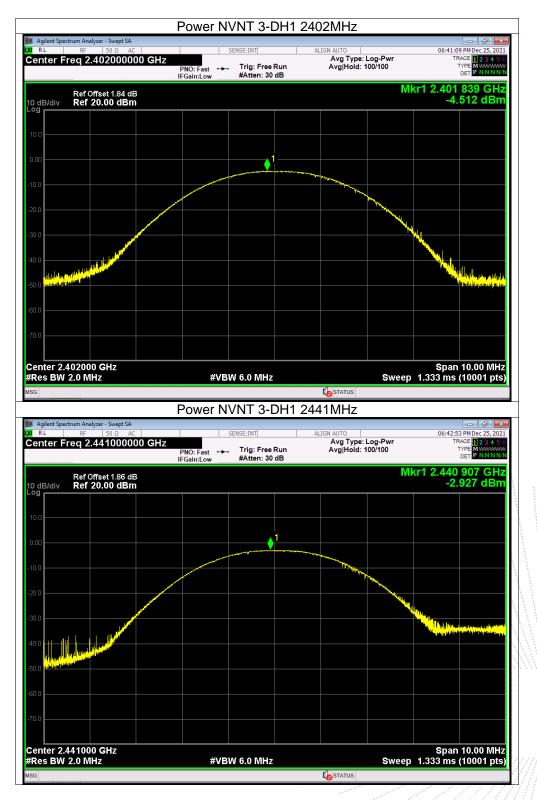




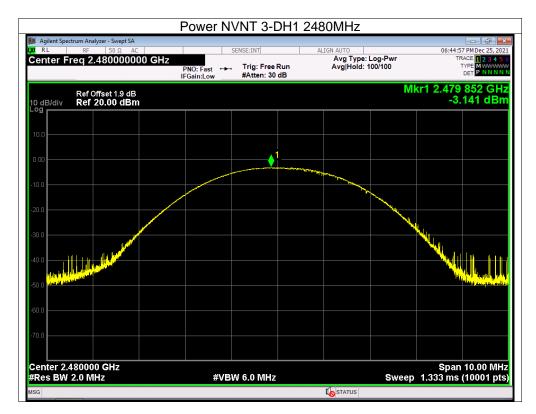














#### **12. Hopping Channel Separation**

#### 12.1 Block Diagram Of Test Setup



#### 12.2 Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 0.125W.

#### 12.3 Test Procedure

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

2. Set the spectrum analyzer: RBW = 30kHz. VBW = 100kHz , Span = 2.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

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Edition: A4



### 12.4 Test Result

Modulation	Test Channel	Separation (MHz)	Limit(MHz)	Result
GFSK	Low	1.000	0.670	PASS
GFSK	Middle	0.998	0.689	PASS
GFSK	High	1.000	0.669	PASS
π/4DQPSK	Low	1.000	0.857	PASS
π/4DQPSK	Middle	0.998	0.858	PASS
π/4DQPSK	High	0.998	0.864	PASS
8DPSK	Low	1.000	0.843	PASS
8DPSK	Middle	1.004	0.852	PASS
8DPSK	High	0.998	0.841	PASS

Edition: A4







Agilent Spectrum Analyzer - Sw					
enter Freq 2.4795	PNO:	SENSE:INT	ALIGN AUTO Avg Type: L Avg Hold:>1	og-Pwr	:59:29 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M WWW DET P N N N N
	IFGain	:Low #Atten: 30 dB			
Ref Offset 1 dB/div <b>Ref 20.00</b>	.9 dB			Mkr1 2.4	79 056 GHz -5.955 dBm
<sup>pg</sup>					
.00	1			<mark>2</mark>	
0.0		~~~		$\sim$	
0.0	·				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
0.0					
0.0					
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0.0					
enter 2.479500 GHz	z			Sr	an 2.000 MHz
Res BW 30 kHz		#VBW 100 kHz		Sweep 2.133	
R MODE TRC SCL	X 2 479 056 GHz	Y FUNCTION -5.955 dBm	FUNCTION WIDTH	FUNCTION VAL	UE
2 N 1 f	2.479 056 GHz 2.480 056 GHz	-6.095 dBm			
4					=
6 7					
9					
0					
		ш			•
			r1		
3	01				
		S NVNT 2-DH1	<b>v</b>		
Agilent Spectrum Analyzer - Sw R L RF 50	vept SA Ω AC	S NVNT 2-DH1	2402MHz		:03:33 PM Dec 25, 2021
Agilent Spectrum Analyzer - Sw R L RF 50	Pept SA Ω AC 000000 GHz PNO: 1	SENSE:INT	2402MHz	og-Pwr	
Agilent Spectrum Analyzer - Sw RL   RF   50 enter Freq 2.4025	xept SA Ω AC       5000000 GHz PNO: IFGain	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN
Aglient Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	:03:33 PM Dec 25, 2021
Agilent Spectrum Analyzer - Sw RL PF 50 enter Freq 2.4025 Ref Offset 1 dB/dtv Ref 20.00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF 50 enter Freq 2.4025 Ref Offset 1 dB/dlv Ref 20.00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF S0. enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF S0. enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 9 00 00 00 00 00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 9 0 0 0 0 0 0 0 0 0 0 0 0 0	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 90 00 00 00 00 00 00 00 00 00 00 00 0	xept SA Ω AC PNO: FGain 1.84 dB	SENSE:INT	2402MHz	og-Pwr 00/100 Mkr1 2.4	103:33 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWW DET P NNNN 02 058 GHz
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025	xept SA Ω AC PNO: IFGain 1.84 dB dBm	Vide SENSE:INT Wide A Trig: Free Run #Atten: 30 dB	2402MHz	og-Pwr 00/100 Mkr1 2.4	03:33 PMDeC 25, 2021 TRACE 1 2 3 4 3 6 TYPE 1 2 3 4 3 6 TYPE 1 2 3 4 3 6 TYPE 4 NNNNN 02 058 GHz -7.446 dBm
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 0 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00 00 00 00	xept SA Ω AC PNO: IFGain 1.84 dB dBm 1 1 2 2 2	SENSE:INT Wide Trig: Free Run #Atten: 30 dB	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 50 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	x 2 AC PNO: 200000 GHz PNO: IFGain 1.84 dB dBm c dBm c dBm	SENSE:INT Wide Trig: Free Run #Atten: 30 dB #VBW 100 kHz Y FUNCTION -7.446 dBm	2402MHz	og-Pwr 00/100 Mkr1 2.4	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00	xept SA Q. AC INPRO- IFGain 1.84 dB dBm 2. 2. X.	Vide Trig: Free Run #Atten: 30 dB	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 00 00 00 00 00 00 00 00 00	x 2 AC PNO: 200000 GHz PNO: IFGain 1.84 dB dBm c dBm c dBm	SENSE:INT Wide Trig: Free Run #Atten: 30 dB #VBW 100 kHz Y FUNCTION -7.446 dBm	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 0 dB/div Ref 20.00 0 dB	x 2 AC PNO: 200000 GHz PNO: IFGain 1.84 dB dBm c dBm c dBm	SENSE:INT Wide Trig: Free Run #Atten: 30 dB #VBW 100 kHz Y FUNCTION -7.446 dBm	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 0 dB/div Ref 20.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0	x 2 AC PNO: 200000 GHz PNO: IFGain 1.84 dB dBm c dBm c dBm	SENSE:INT Wide Trig: Free Run #Atten: 30 dB #VBW 100 kHz Y FUNCTION -7.446 dBm	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 d B/div Ref 20.00 00 00 00 00 00 00 00 00	x 2 AC PNO: 200000 GHz PNO: IFGain 1.84 dB dBm c dBm c dBm	SENSE:INT Wide Trig: Free Run #Atten: 30 dB #VBW 100 kHz Y FUNCTION -7.446 dBm	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44
Agilent Spectrum Analyzer - Sw RL RF 500 enter Freq 2.4025 Ref Offset 1 dB/div Ref 20.00 29 00 00 00 00 00 00 00 00 00 0	x 2 AC PNO: 200000 GHz PNO: IFGain 1.84 dB dBm c dBm c dBm	SENSE:INT Wide Trig: Free Run #Atten: 30 dB #UBW 100 kHz Y FUNCTION -7.446 dBm	2402MHz	og-Pwr 00/100	03:33 PMDEC 25, 2021 TRACE    2 3 4 3 0 TYPE    2 3 4 3 0 DET    NINNNN 02 058 GHz -7.446 dBm -7.446 dBm -7.44



gilent Spectrum Analyzer - Sv R L RF 50	Ω AC	SENSE:INT	ALIGN AUTO	07:08	:30 PM Dec 25, 2021
nter Freq 2.4415	500000 GHz PNO: Wid IFGain:Lo		Avg Type: Log- Avg Hold:>100/1	Pwr 100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET PNNNN
Ref Offset ′ B/div Ref 20.00	1.86 dB			Mkr1 2.44	1 056 GHz 5.721 dBm
dB/div Ref 20.00					
0				<sup>2</sup>	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		·
ı ————					
nter 2.441500 GH				Spa	n 2.000 MHz
es BW 30 kHz		#VBW 100 kHz		Sweep 2.133 n	ns (1001 pts)
MODE TRC SCL N 1 f N 1 f	× 2.441 056 GHz 2.442 054 GHz	Y FUNCTION -5.721 dBm -5.746 dBm	FUNCTION WIDTH	FUNCTION VALUE	
					+ 4
	050				
gilent Spectrum Analyzer - Sv	vept SA	NVNT 2-DH1	<b>•</b>		
igilent Spectrum Analyzer - Sv RL RF 50 nter Freq 2.4795	wept SA Ω AC 500000 GHz	SENSE:INT	2480MHz	07:13 Pwr 100	:28 PM Dec 25, 2021
RL RF 50 nter Freq 2.4795	xept SA Ω AC 500000 GHz PNO: Wie IFGain:Lo	Ie C Trig: Free Run	2480MHz	Pwr 100	2:28 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M DET P N N N N
RE RE 50 nter Freq 2.4795 Ref Offset 2 B/div Ref 20.00	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Ie C Trig: Free Run	2480MHz	Pwr 100 Mkr1 2.47	2:28 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE M DET P N N N N
Ref Offset a	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Ie C Trig: Free Run	2480MHz	Pwr 100 Mkr1 2.47 -{	228 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN 9 058 GHz
Ref Offset	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Isense:INT	2480MHz	Pwr 100 Mkr1 2.47	228 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN 9 058 GHz
Ref Offset 1	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Ie C Trig: Free Run	2480MHz	Pwr 100 Mkr1 2.47 -{	228 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN 9 058 GHz
Ref Offset	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Isense:INT	2480MHz	Pwr 100 Mkr1 2.47 -{	228 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN 9 058 GHz
Ref Offset / Ref 20.00	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Isense:INT	2480MHz	Pwr 100 Mkr1 2.47 -{	228 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN 9 058 GHz
Ref Offset / Błdiv Ref 20.00	xept SA Ω AC 5000000 GHz PNO: Wic IFGain:Lc 1.9 dB	Isense:INT	2480MHz	Pwr 100 Mkr1 2.47 -{	228 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNN 9 058 GHz
Ref Offset 7 Ref 20.00	xept SA Q. AC S00000 GHz PN0: Wie IFGain:Lc 1.9 dB 0 dBm	SENSE:INT	2480MHz	Por Mkr1 2.47 -{ -{ -{ -{ -{ -{ -{ -{ -{ -{	128 PM Dec 25, 2021 TRACE 1 2 3 4 5 6 TYPE MUNITURE 9 058 GHz 5,981 dBm
Ref Offset 7 Ref 20.00 Ref	x ac x ac x ac x ac PNO: Wie FGain:Le PNO: Wie FGAIN FGAIN FGA	SENSE:INT Je Trig: Free Run #Atten: 30 dB	2480MHz	Mkr1 2.47 -{	128 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE MANNIN 9 058 GHz 5, 981 dBm 1 058 GHz 1 056 GHz 1
Ref Offset 2 Ref 20.00	xept SA 2. AC 500000 GHz PN0: Wie IFGain:Lc 1.9 dB 0 dBm 1.9 dB 1.9 dB	SENSE:INT	2480MHz	Mkr1 2.47 -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{	128 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE MANNIN 9 058 GHz 5, 981 dBm 1 058 GHz 1 056 GHz 1
Ref         S0           Ref         Offset           Ref         20.00           Ref	xept SA 2 AC 500000 GHz PN0: Wie IFGain:Lo 1.9 dB 0 dBm 1.9 dB 1.9 dB 2 dBm 2 dBm	SENSE:INT	2480MHz	Mkr1 2.47 -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{	128 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE MANNIN 9 058 GHz 5, 981 dBm 1 058 GHz 1 056 GHz 1
Ref         S0           Ref         Offset           Ref         20.00           Ref	xept SA 2 AC 500000 GHz PN0: Wie IFGain:Lo 1.9 dB 0 dBm 1.9 dB 1.9 dB 2 dBm 2 dB 2 dBm 2 dB 2 d	SENSE:INT	2480MHz	Mkr1 2.47 -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{	128 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE MANNIN 9 058 GHz 5, 981 dBm 1 058 GHz 1 056 GHz 1
Ref         S0           Ref         Offset           Ref         20.00           Ref	xept SA 2 AC 500000 GHz PN0: Wie IFGain:Lo 1.9 dB 0 dBm 1.9 dB 1.9 dB 2 dBm 2 dB 2 dBm 2 dB 2 d	SENSE:INT	2480MHz	Mkr1 2.47 -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{	128 PM Dec 25, 2021 TRACE 12 3 4 5 0 TYPE MANNIN 9 058 GHz 5, 981 dBm 1 058 GHz 1 056 GHz 1
Ref Offset 7 B/div Ref 20.00 bref 20.00 fter 2.479500 GH s BW 30 kHz MODE TRC SCL	xept SA 2 AC 500000 GHz PN0: Wie IFGain:Lo 1.9 dB 0 dBm 1.9 dB 1.9 dB 2 dBm 2 dB 2 dBm 2 dB 2 d	SENSE:INT	2480MHz	Mkr1 2.47 -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{ -{	1:28 PMDec 25, 202 TRACE 11 2 3 4 5 TYPE MUMUM DET P NNNN 9 058 GH2 5, 981 dBm 1 058 GH2 5, 981 dBm 1 058 GH2 5, 981 dBm 1 058 GH2 5, 981 dBm

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Agilent Spectrum Analyzer - Swept SA R L RF 50 Ω AC	SENSE:INT		07:18:02 PM	Dec 25, 2021
enter Freq 2.402500000 GHz		Avg Type:   Free Run Avg Hold:> h: 30 dB	IOO/100 IYPE DET	123456 M PNNNNN
Ref Offset 1.84 dB dB/div Ref 20.00 dBm			Mkr1 2.402 06 -7.45	2 GHz 3 dBm
.0				
	1		2 2	
	hand			~~~~
1.0				
.0				
1.0				
enter 2.402500 GHz			Span 2.0	00 MHz
Res BW 30 kHz	#VBW 100 k		Sweep 2.133 ms (1)	001 pts)
N 1 f 2.402 062 GH N 1 f 2.403 062 GH	Iz -7.453 dBm		1010110111202	
				_
3 9 0				
		To STATUS		
	CFS NVNT 3	Собетатия -DH1 2441MHz		
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	CFS NVNT 3	-DH1 2441MHz	07:20:33 PM	) @ X Dec 25, 2021
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC	PNO: Wide	-DH1 2441MHz	07:20:33 PM	
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 2.441500000 GHz Ref Offset 1.86 dB	PNO: Wide Trig: F	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PM .og-Pwr TRACE 100/100 TYPE DET Mkr1 2.441 05	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
enter Freq 2.441500000 GHz Ref Offset 1.86 dB Ref 2000 dBm	PNO: Wide Trig: F	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PM .og-Pwr TRACE 100/100 TYPE DET Mkr1 2.441 05	Dec 25, 2021 123456 MWWWWWW PNNNN
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 2.441500000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm	PNO: Wide Trig: F	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PM .og-Pwr TRACE 100/100 TYPE DET Mkr1 2.441 05	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Panter Freq 2.4415000000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm	PNO: Wide Trig: F IFGain:Low #Atten	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 Pwr الالالالالالالالالالالالالالالالالالال	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 2.441500000 GHz	PNO: Wide Trig: F IFGain:Low #Atten	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PWr ו00/100 דאביב Mkr1 2.441 05 -5.900	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Panter Freq 2.4415000000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm	PNO: Wide Trig: F IFGain:Low #Atten	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PWr ו00/100 דאביב Mkr1 2.441 05 -5.900	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Panter Freq 2.4415000000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm	PNO: Wide Trig: F IFGain:Low #Atten	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PWr ו00/100 דאביב Mkr1 2.441 05 -5.900	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC enter Freq 2.441500000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm	PNO: Wide Trig: F IFGain:Low #Atten	-DH1 2441MHz ALIGN AUTO Free Run Avg Type:	07:20:33 PWr ו00/100 דאביב Mkr1 2.441 05 -5.900	Dec 25, 2021 <b>1 2 3 4 5 6</b> MWWWWW P N N N N N <b>2 GHz</b>
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC enter Freq 2.441500000 GHz	PNO: Wide Trig: F IFGain:Low Trig: F #Atten	-DH1 2441MHz	07:20:33 PWr 100/100 TRACE 00/100 TYPE 001 001 001 001 001 001 001 00	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC enter Freq 2.441500000 GHz BI BI BI BI BI BI BI BI BI BI	PNO: Wide I I I I I I I I I I I I I	-DH1 2441MHz	07:20:33 PWr 100/100 TRACE DTYPE Mkr1 2.441 05 -5.901 -5.901	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm
Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC enter Freq 2.441500000 GHz	PNO: Wide Trig: F IFGein:Low Trig: F #Atten	-DH1 2441MHz	07:20:33 M .og-Pwr 1740E 100/100 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC enter Freq 2.441500000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm 9 9 9 9 9 9 9 9 9 9 9 9 9	PNO: Wide Trig: F IFGein:Low Trig: F #Atten	-DH1 2441MHz	07:20:33 M .og-Pwr 1740E 100/100 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC enter Freq 2.441500000 GHz	PNO: Wide Trig: F IFGein:Low Trig: F #Atten	-DH1 2441MHz	07:20:33 M .og-Pwr 1740E 100/100 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Parter Freq 2.4415000000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm 9 9 9 9 9 9 9 9 9 9 9 9 9	PNO: Wide Trig: F IFGein:Low Trig: F #Atten	-DH1 2441MHz	07:20:33 M .og-Pwr 1740E 100/100 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm
Agilent Spectrum Analyzer - Swept SA RL RF 50 Q AC Ponter Freq 2.441500000 GHz Ref Offset 1.86 dB dB/div Ref 20.00 dBm 9 9 9 9 9 9 9 9 9 9 9 9 9	PNO: Wide Trig: F IFGein:Low Trig: F #Atten	-DH1 2441MHz ALIGN AUTO Avg Type: Avg Type: Avg Hold:>  CH2 FUNCTION FUNCTION WIDTH	07:20:33 M .og-Pwr 1740E 100/100 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E 1747E	Dec 25, 2021 1 2 3 4 5 6 P NNNN 2 GHz 6 dBm

No.: BCTC/RF-EMC-005



		CFS NVNT 3	-DH1 2480MH	łz	
🧯 Agilent Spectrum Analy	rzer - Swept SA				
CIRL RF	50 Ω AC	SENSE:INT	ALIGN AU		07:25:50 PM Dec 25, 202
Center Freq 2.4	479500000 GHz			g Type: Log-Pwr	TRACE 1 2 3 4 5
			Free Run Avg 1:30 dB	Hold:>100/100	DET P N N N
	l	FGain:Low #Atter	1: 30 00		
Ref O	ffset 1.9 dB			Mk	r1 2.479 056 GH
10 dB/div Ref 2	20.00 dBm				-5.973 dBn
_og					
10.0					
0.00				( <sup>2</sup>	
-10.0	-				~
	$\sim ~~$	my from	$\sim \sim $	$\sim$ $\sim$ $\uparrow$	m brown
-20.0					
-30.0					
-40.0					
-50.0					
-60.0					
-70.0					
Center 2.479500					Span 2.000 MH
#Res BW 30 kH:	2	#VBW 100 I	KHZ	Sweep	2.133 ms (1001 pts
MKR MODE TRC SCL	Х	Y	FUNCTION FUNCTION WI	TH FU	VCTION VALUE
1 N 1 f	2.479 056 GHz				
2 N 1 f	2.480 054 GHz	-5.951 dBm			
4					
5					
6					
8					
9					
9 10 11					
10					



#### **13. Number Of Hopping Frequency**

#### 13.1 Block Diagram Of Test Setup



#### 13.2 Limit

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

#### 13.3 Test Procedure

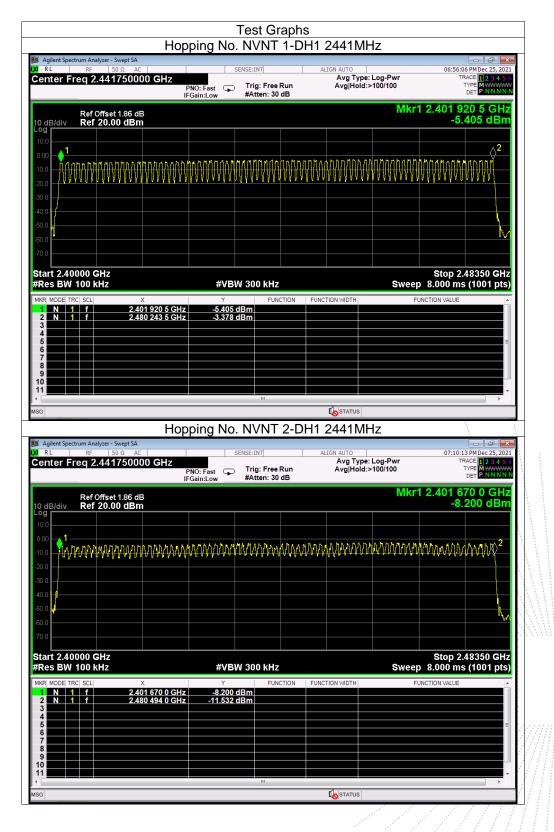
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

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

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



### 13.4 Test Result





RE         SO.Q. AC         SENSE:INT         ALIGN AUTO         O7:22:39 PMDec           Center Freq 2.441750000 GHz         PNO: Fast IFGain:Low         Trig: Free Run #Atten: 30 dB         Aug Type: Log-Pwo Avg Hold:>100/100         Trace IF Type I was Not fast 1.86 dB         Trace IF Type I was Not fast 1.86 dB         Of Comparison of the fast 1.86 dB         Mkr1 2.401 670 0 (d -8.193 c           0 dB/div         Ref Offset 1.86 dB         Mkr1 2.401 670 0 (d -8.193 c         -8.193 c         -8.193 c           0 dB/div         Ref 20.00 dBm         -8.193 c         -8.193 c         -8.193 c           0 dB/div         Ref 20.00 dBm         -8.193 c         -8.193 c         -8.193 c           0 dB/div         Ref 20.00 dBm         -8.193 c         -8.193 c         -8.193 c           0 dB/div         Ref 20.00 dBm         -8.193 c         -8.193 c         -8.193 c           0 dB/div         Ref 20.00 dBm         -8.193 c         -8.193 c         -8.193 c           0 dB/div         Ref 20.00 GHz         Ref 20.00 GHz         Ref 20.00 CHZ         Ref 20.00 CHZ         Ref 20.00 CHZ           1 d         1 d         2.480 076 5 GHz         -4.350 dBm         -4.350 dBm         -4.350 dBm			yzer - Swept S/	A	 					2441N					đ
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Stop         A         Y         FUNCTION         FUNCTION         WIDTH         FUNCTION VALUE           1         N         1         f         2.480         076         5         6Hz         -4.350         Bm           1         N         1         f         2.401         670         6         -4.350         Bm           2         N         1         f         2.401         670         6         -4.350         Bm           2         N         1         f         2.480         076         5         GHz         -4.350         Bm           2         N         1         f         2.480         076         5         GHz         -4.350         Bm           3         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>30.0</td> <td></td>	30.0														
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### 14. Dwell Time

#### 14.1 Block Diagram Of Test Setup



#### 14.2 Limit

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

### 14.3 Test Procedure

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

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

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

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



#### 14.4 Test Result

DH5 Packet permit maximum 1600 / 79 / 6 hops per second in each channel (5 time slots RX, 1 time slot TX).

DH3 Packet permit maximum 1600 / 79 / 4 hops per second in each channel (3 time slots RX, 1 time slot TX).

DH1 Packet permit maximum 1600 / 79 /2 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the Dwell Time can be calculated as follows:

DH5:1600/79/6\*0.4\*79\*(MkrDelta)/1000 DH3:1600/79/4\*0.4\*79\*(MkrDelta)/1000 DH1:1600/79/2\*0.4\*79\*(MkrDelta)/1000 Remark: Mkr Delta is once pulse time.

Modulation	Channel Data	Packet	pulse time(ms)	Dwell Time(s)	Limits(s)
		DH1	0.379	0.121	0.4
GFSK	Middle	DH3	1.643	0.263	0.4
		DH5	2.892	0.308	0.4
		2DH1	0.386	0.124	0.4
π/4DQPSK	Middle	2DH3	1.638	0.262	0.4
		2DH5	2.891	0.308	0.4
		3DH1	0.386	0.124	0.4
8DPSK	Middle	3DH3	1.636	0.262	0.4
		3DH5	2.886	0.308	0.4



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2.0 19170 2.0 19170 2.0 19170 2.0 enter 2.4410			<mark>din</mark> t		<mark>Mana an</mark> ta			and an and a state of the state	() / ( ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - (	Span 0 F
2.0 19170 2.0 19170 2.0 19170 2.0 enter 2.4410			<mark>din</mark> t		<mark>Mana an</mark> ta			and an and a state of the state	() / ( ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - (	Span 0 F
enter 2.4410			<mark>din</mark> t	/BW 3.0	0 MHz			Sweep	() / ( ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - ( , ) - (	Span 0 H s (10001 pt
0.0 10.0 10.0 enter 2.4410 es BW 1.0 Mi R MODE TRC SCL 1 Δ2 1 t	Hz X	2.886 ms	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
0.0         π         μ           0.0         μ         μ	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0 <td>Hz X</td> <td>2.886 ms 483.0 µs</td> <td>#\ #\ (Δ)</td> <td>/BW 3.0</td> <td>0 MHz</td> <td></td> <td>Allofficin and</td> <td>Sweep</td> <td>) 10.00 m</td> <td>Span 0 H s (10001 pt</td>	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
0.0         Infur           0.0         Infur           0.0         Infur           enter 2.44100         es BW 1.0 Mi           gr Model TRC ScL         I           1         A2         1           2         F         1           3         I         1	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
00 mhp mhp enter 2.4410 es BW 1.0 Mi R MODE TRC ScL 2 F 1 t 3 4 5 6	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
0.0         Impgr           0.0 <td>Hz X</td> <td>2.886 ms 483.0 µs</td> <td>#\ #\ (Δ)</td> <td>/BW 3.0</td> <td>0 MHz</td> <td></td> <td>Allofficin and</td> <td>Sweep</td> <td>) 10.00 m</td> <td>Span 0 H s (10001 pt</td>	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
$\begin{array}{c} 0.0 \\ m_{1} \\ m_{2} \\ m_{3} \\ m_{4} \\ m_{5} \\ m_{1} \\ m_{1} \\ m_{1} \\ m_{1} \\ m_{1} \\ m_{2} \\ m_{1} \\ m_{2} \\ m_{1} \\ m_{2} \\ m_{1} \\ m_{1} \\ m_{1} \\ m_{1} \\ m_{2} \\ m_{1} \\ m$	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt
0.0         Triggy           0.0         Triggy           0.0         Triggy           enter 2.4410           es BW 1.0 Mi           GR MODE TRC SCL           1         2           1         2           2         1           3         1           4         5           5         5           6         7           8         1	Hz X	2.886 ms 483.0 µs	#\ #\ (Δ)	/BW 3.0	0 MHz		Allofficin and	Sweep	) 10.00 m	Span 0 H s (10001 pt



#### 15. Antenna Requirement

#### 15.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

#### 15.2 Test Result

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

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### 16. EUT Photographs

#### EUT Photo 1





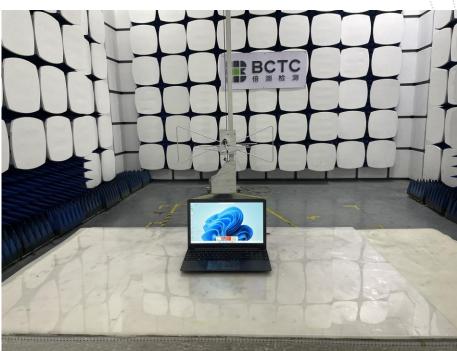


### 17. EUT Test Setup Photographs

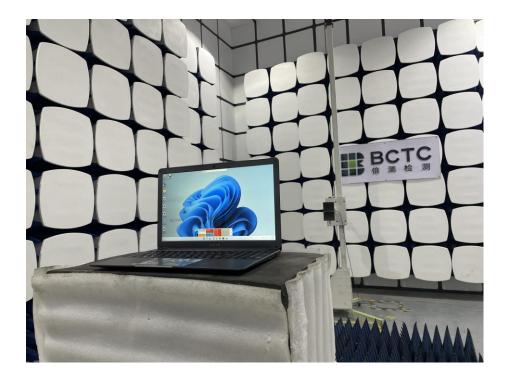
### **Conducted Measurement Photos**



**Radiated Measurement Photos** 







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# **STATEMENT**

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

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

3. The test report is invalid without stamp of laboratory.

4. The test report is invalid without signature of person(s) testing and authorizing.

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

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

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

### Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

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#### \*\*\*\*\* END \*\*\*\*\*

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