

XMit 2019.09.05

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

#### **TEST DESCRIPTION**

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The peak output power was measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting in a no hop mode at the data rate(s) listed in the datasheet.

The method found in ANSI C63.10:2013 Section 7.8.5 was used for a FHSS radio.

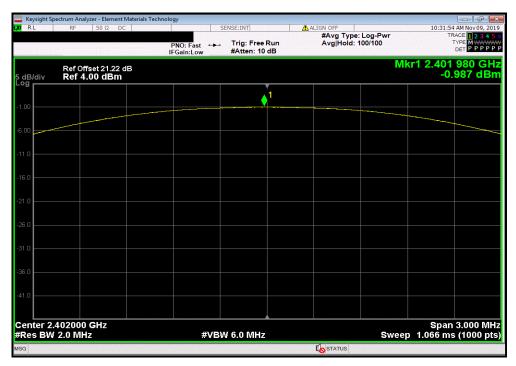
The antenna gain was added to the conducted power to calculate EIRP. This value was compared to the EIRP limit of 27 dBm.



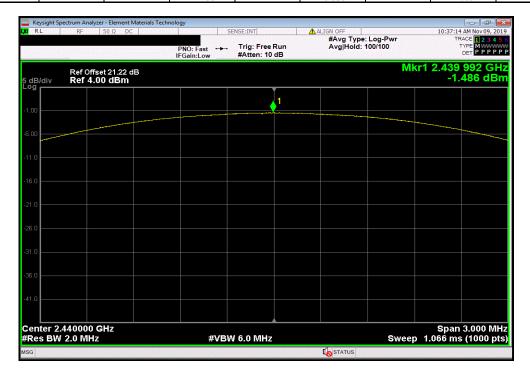
COMMENTS   Low Channel   Signature   Configuration #   Low Channel   High Channel   Low Channel									TbtTx 2019.08.30.0	XMit 2019.09.0
Customer:         WatchGuard Video         Temperature:         23.2 °C           Attendees:         Navaid Karimi         Humidity:         26.2 °C, RH           Project:         None         Barometric Press:         10.35 mbar           Test Method           FCG 15.247:2019           ANSI C63.10:2013           COMMENTS           Low Ch 2440MHz, Mid Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable).           DEVIATIONS FROM TEST STANDARD           None           Configuration #         4         Signature         Cut Pwr (dBm)         Antenna (dBm)         EIRP (dBm)         EIRP Limit (dBm)         Result           DH5, GFSK           Low Channel         -0.987         1.4         0.413         27         Pass High Channel           High Channel         -2.129         1.4         -0.729         27         Pass High Channel           Low Channel         -2.129         1.4         0.703         27         Pass High Channel           Low Channel         -2.147         1.4         0.74         27         Pass High Channel           Low Channel         -2.147         1.4         0.747										
## Attendees: Navaid Karimi   Humidity: 26.2% RH   Project: None   Barometric Press: 1035 mbar   Tested by: Jonathan Kiefer   Power: Battery   Job Site: TX09      Tested by: FPCEFICATIONS   Test Method										
Project:   None   Barometric Pres.   1035 mbar										
Tested by: Jonathan Kiefer										
Test Method										
ANSI C63.10:2013   COMMENTS   COMMENTS   Comment   Com				Power:				Job Site:	TX09	
COMMENTS   Low Ch 2402MHz, Migh Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable).	TEST SPECIFICATI	IONS								
Configuration #   A   Signature   Signat	FCC 15.247:2019				ANSI C63.10:2013					
Configuration #   A   Signature   Signat										
DEVIATIONS FROM TEST STANDARD   None   Signature   S	COMMENTS			,		,		,		
None   Signature   Signature	Low Ch 2402MHz, I	Mid Ch 2440MHz, High Ch	2480MHz. Reference Offset 21.22 dB (	(20dB attenuator+c	dc block+cable).		·		·	
None   Signature   Signature										
None   Signature   Signature	DEVIATIONS EDGE	A TECT CTANDADD								
Configuration # 4   Signature   Signatur		W IESI SIANDARD								
Number   Signature   Number   Signature   Number   Signature   Number   Signature   Number   Signature   Signatu	None									
Number   Signature   Number   Signature   Number   Signature   Number   Signature   Number   Signature   Signatu										
Out Pwr (dBm)   Antenna Gain (dBi)   (dBm)   Result	Configuration #	4		9- 11-	Xiela					
Clamp   Clam	Configuration #	4	Signature	Jonathan	Kiefer					
DH5, GFSK	Configuration #	4	Signature	Jorathan	Xiefer	Out Pwr	Antenna	FIRP	FIRP Limit	
Mid Channel   1.486   1.4   -0.086   27   Pass	Configuration #	4	Signature	Jonathan	Xiefer					Result
High Channel   -2.129   1.4   -0.729   27   Pass	Configuration #  DH5, GFSK	4	Signature	Jonathan	Kiefer					Result
2DH5, pi/4-DQPSK  Low Channel			Signature	Jonathan	Xiefer	(dBm)	Gain (dBi)	(dBm)	(dBm)	
Low Channel -1.297 1.4 0.103 27 Pass Mid Channel -2.14 1.4 -0.74 27 Pass High Channel -2.14 1.4 -0.74 27 Pass High Channel -2.147 1.4 -0.747 27 Pass 3DH5, 8-DPSK  Low Channel -1.066 1.4 0.334 27 Pass Mid Channel -1.925 1.4 -0.525 27 Pass		Low Channel	Signature	Jonathan	Xiefa	(dBm) -0.987	Gain (dBi)	(dBm) 0.413	(dBm) 27	Pass
Mid Channel     -2.14     1.4     -0.74     27     Pass       High Channel     -2.147     1.4     -0.747     27     Pass       3DH5, 8-DPSK       Low Channel     -1.066     1.4     0.334     27     Pass       Mid Channel     -1.925     1.4     -0.525     27     Pass		Low Channel Mid Channel	Signature	Jonathan	Niefor	-0.987 -1.486	1.4 1.4	0.413 -0.086	(dBm) 27 27	Pass Pass
High Channel -2.147 1.4 -0.747 27 Pass 3DH5, 8-DPSK  Low Channel -1.066 1.4 0.334 27 Pass Mid Channel -1.925 1.4 -0.525 27 Pass		Low Channel Mid Channel High Channel	Signature	Jonathan	Niefo	-0.987 -1.486 -2.129	1.4 1.4	0.413 -0.086 -0.729	(dBm) 27 27	Pass Pass
3DH5, 8-DPSK  Low Channel  And Channel  Low Channel  -1.066  1.4  0.334  27  Pass  1.4  -0.525  27  Pass	DH5, GFSK	Low Channel Mid Channel High Channel	Signature	Jonathan	Xiefer	-0.987 -1.486 -2.129	1.4 1.4 1.4	0.413 -0.086 -0.729	(dBm) 27 27 27 27	Pass Pass Pass
Low Channel         -1.066         1.4         0.334         27         Pass           Mid Channel         -1.925         1.4         -0.525         27         Pass	DH5, GFSK	Low Channel Mid Channel High Channel Low Channel	Signature	Jonathan	Xiefer	-0.987 -1.486 -2.129 -1.297	Gain (dBi)  1.4 1.4 1.4 1.4	0.413 -0.086 -0.729	(dBm)  27 27 27 27	Pass Pass Pass
Mid Channel -1.925 1.4 -0.525 27 Pass	DH5, GFSK  2DH5, pi/4-DQPSK	Low Channel Mid Channel High Channel Low Channel Mid Channel	Signature	Jonathan	Xiefo	-0.987 -1.486 -2.129 -1.297 -2.14	1.4 1.4 1.4 1.4 1.4	0.413 -0.086 -0.729 0.103 -0.74	(dBm)  27 27 27 27 27 27	Pass Pass Pass Pass Pass
	DH5, GFSK	Low Channel Mid Channel High Channel Low Channel Mid Channel High Channel	Signature	Jonathan	Riefo	-0.987 -1.486 -2.129 -1.297 -2.14	1.4 1.4 1.4 1.4 1.4	0.413 -0.086 -0.729 0.103 -0.74	(dBm)  27 27 27 27 27 27	Pass Pass Pass Pass Pass
High Channel -2.3 1.4 -0.9 27 Pass	DH5, GFSK  2DH5, pi/4-DQPSK	Low Channel Mid Channel High Channel Low Channel Mid Channel High Channel Low Channel	Signature	Jonathan	Xiefer	-0.987 -1.486 -2.129 -1.297 -2.14 -2.147	1.4 1.4 1.4 1.4 1.4 1.4 1.4	0.413 -0.086 -0.729 0.103 -0.74 -0.747	27 27 27 27 27 27 27 27	Pass Pass Pass Pass Pass Pass Pass Pass
	DH5, GFSK  2DH5, pi/4-DQPSK	Low Channel Mid Channel High Channel Low Channel Mid Channel High Channel Low Channel	Signature	Jonathan	Xiefon	-0.987 -1.486 -2.129 -1.297 -2.14 -2.147 -1.066 -1.925	1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	0.413 -0.086 -0.729 0.103 -0.74 -0.747 0.334 -0.525	27 27 27 27 27 27 27 27 27	Pass Pass Pass Pass Pass Pass Pass Pass



| DH5, GFSK, Low Channel | | Out Pwr | Antenna | EIRP | EIRP Limit | (dBm) | (dBm) | (dBm) | Result | | O.987 | 1.4 | O.413 | 27 | Pass |



DH5, GFSK, Mid Channel							
		Out Pwr	Antenna	EIRP	EIRP Limit		
		(dBm)	Gain (dBi)	(dBm)	(dBm)	Result	
		-1.486	1.4	-0.086	27	Pass	

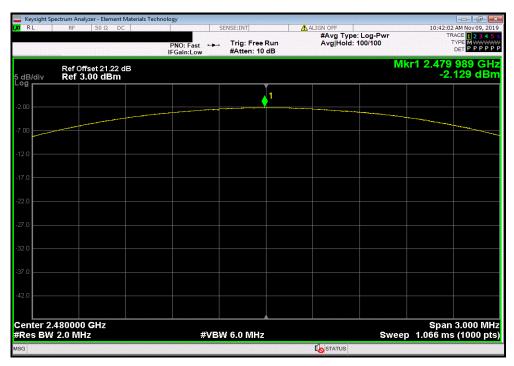




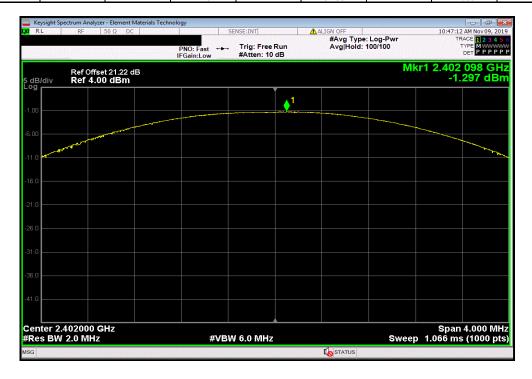
DH5, GFSK, High Channel

Out Pwr Antenna EIRP EIRP Limit
(dBm) Gain (dBi) (dBm) (dBm) Result

-2.129 1.4 -0.729 27 Pass



2DH5, pi/4-DQPSK, Low Channel							
		Out Pwr	Antenna	EIRP	EIRP Limit		
		(dBm)	Gain (dBi)	(dBm)	(dBm)	Result	
		-1.297	1.4	0.103	27	Pass	

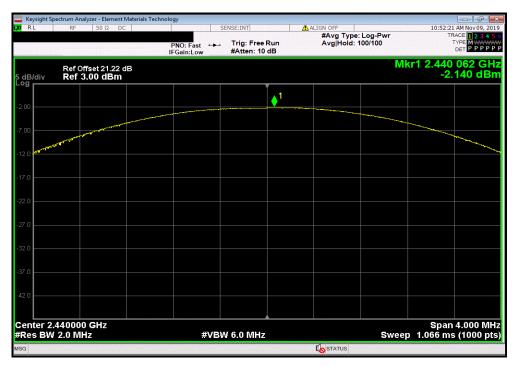




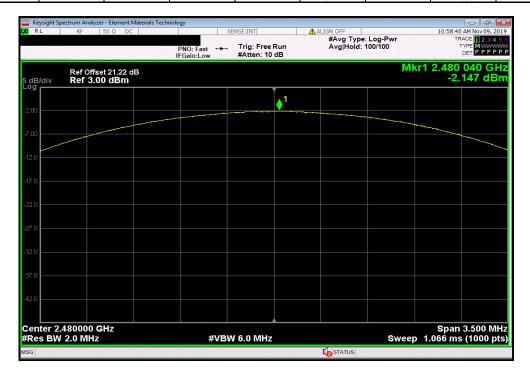
2DH5, pi/4-DQPSK, Mid Channel

Out Pwr Antenna EIRP EIRP Limit
(dBm) Gain (dBi) (dBm) (dBm) Result

-2.14 1.4 -0.74 27 Pass



2DH5, pi/4-DQPSK, High Channel							
		Out Pwr	Antenna	EIRP	EIRP Limit		
		(dBm)	Gain (dBi)	(dBm)	(dBm)	Result	
		-2.147	1.4	-0.747	27	Pass	

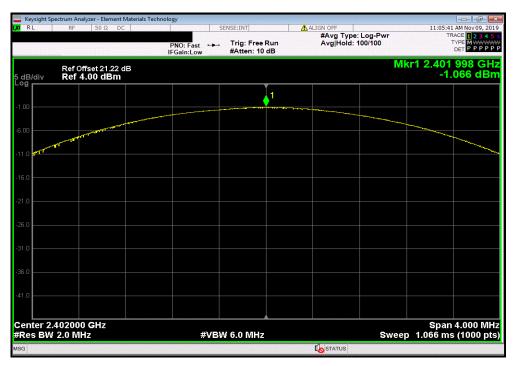




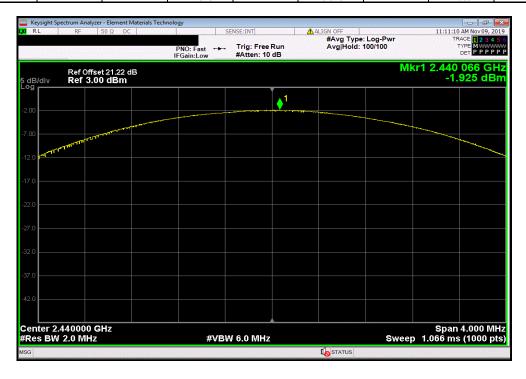
3DH5, 8-DPSK, Low Channel

Out Pwr Antenna EIRP EIRP Limit
(dBm) Gain (dBi) (dBm) (dBm) Result

-1.066 1.4 0.334 27 Pass



3DH5, 8-DPSK, Mid Channel							
		Out Pwr	Antenna	EIRP	EIRP Limit		
		(dBm)	Gain (dBi)	(dBm)	(dBm)	Result	
_		-1.925	1.4	-0.525	27	Pass	

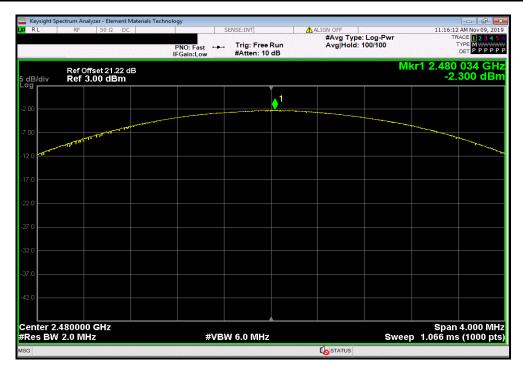




3DH5, 8-DPSK, High Channel

Out Pwr Antenna EIRP EIRP Limit
(dBm) Gain (dBi) (dBm) (dBm) Result

-2.3 1.4 -0.9 27 Pass





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#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

#### **TEST DESCRIPTION**

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to low and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet in a no hop mode. The channels closest to the band edges were selected.

The spectrum was scanned below the lower band edge and above the higher band edge.



Work Order: WTVD0027

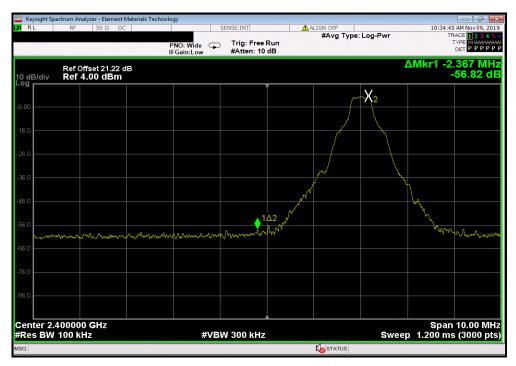
Date: 8-Nov-19

Temperature: 23.2 °C EUT: IV300
Serial Number: 63
Customer: WatchGuard Video
Attendees: Navaid Karimi
Project: None
Tested by: Jonathan Kiefer
TEST SPECIFICATIONS Humidity: 26.2% RH Barometric Pres.: 1035 mbar Power: Battery
Test Method Job Site: TX09 FCC 15.247:2019 COMMENTS Low Ch 2402MHz, Mid Ch 2440MHz, High Ch 2480MHz. Reference Offset 21.22 dB (20dB attenuator+dc block+cable). DEVIATIONS FROM TEST STANDARD Jonathan Kiefer Configuration # 4 Signature Value (dBc) Limit ≤ (dBc) Result DH5, GFSK Low Channel High Channel -56.82 -55.69 -20 -20 Pass Pass 2DH5, pi/4-DQPSK -49.02 -55.98 Low Channel -20 Pass High Channel -20 Pass 3DH5, 8-DPSK Low Channel High Channel -20 -20 Pass Pass

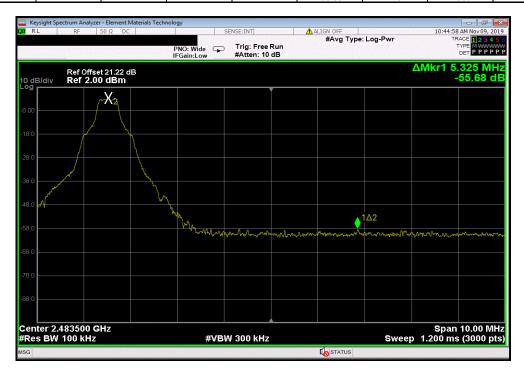


DH5, GFSK, Low Channel

Value	Limit	
(dBc)	≤ (dBc)	Result
-56.82	-20	Pass



DH5, GFSK, High Channel								
				Value	Limit			
				(dBc)	≤ (dBc)	Result		
				-55.69	-20	Pass		



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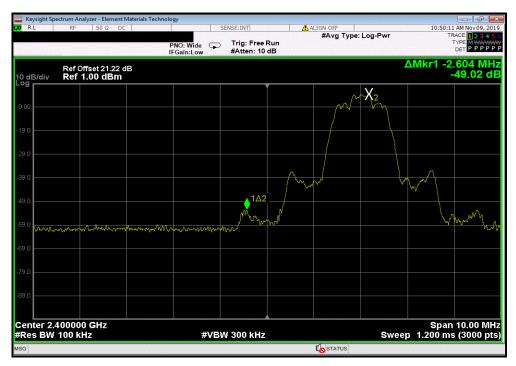


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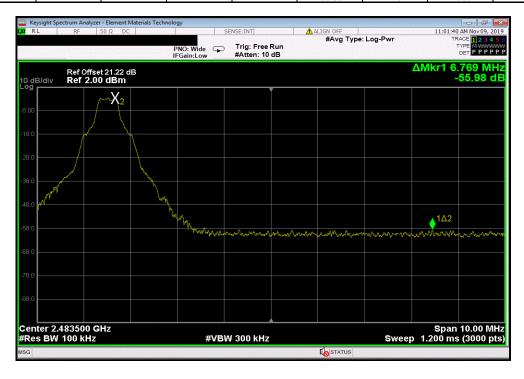
2DH5, pi/4-DQPSK, Low Channel

Value Limit
(dBc) ≤ (dBc) Result

-49.02 -20 Pass



2DH5, pi/4-DQPSK, High Channel								
				Value	Limit			
				(dBc)	≤ (dBc)	Result		
				-55.98	-20	Pass		





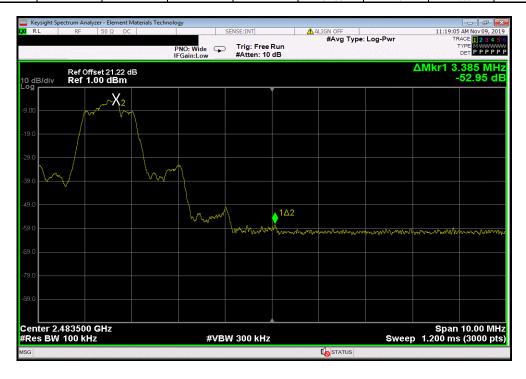
3DH5, 8-DPSK, Low Channel

Value Limit
(dBc) ≤ (dBc) Result

-48.11 -20 Pass



3DH5, 8-DPSK, High Channel								
				Value	Limit			
				(dBc)	≤ (dBc)	Result		
				-52.95	-20	Pass		





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#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

#### **TEST DESCRIPTION**

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to its normal pseudo-random hopping sequence. The EUT was transmitting at the data rate(s) listed in the datasheet.

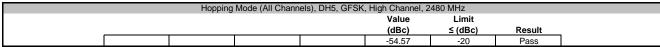
The spectrum was scanned below the lower band edge and above the higher band edge.



						TbtTx 2019.08.30.0	XMit 2019.09.05
	V300				Work Order:		
Serial Number:						8-Nov-19	
	: WatchGuard Video				Temperature:		
	Navaid Karimi					26.2% RH	
Project:					Barometric Pres.:		
	Jonathan Kiefer		Powers	Battery	Job Site:	TX09	
TEST SPECIFICAT	TONS			Test Method			
FCC 15.247:2019				ANSI C63.10:2013			
	•	•			•		
COMMENTS							
Reference Offset 2	1.22 dB (20dB attenuator+	-dc block+cable).					
	•	•					Į.
<b>DEVIATIONS FROM</b>	M TEST STANDARD						
None							
Configuration #	4		Jonathan	Kiefer			Į.
		Signature	0	0			
					Value	Limit	
					(dBc)	≤ (dBc)	Result
Hopping Mode (All							
	DH5, GFSK						
	Low Channel				-56.46	-20	Pass
	High Channe	I, 2480 MHz			-54.57	-20	Pass
	2DH5, pi/4-DQPSK						_
	Low Channel				-55.25	-20	Pass
	High Channe	I, 2480 MHz			-54.14	-20	Pass
	3DH5, 8-DPSK						
	Low Channel				-54.3	-20	Pass
	High Channe	l, 2480 MHz			-53.6	-20	Pass





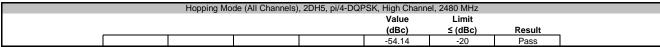






| Hopping Mode (All Channels), 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz | Value | Limit | (dBc) | ≤ (dBc) | Result | -55.25 | -20 | Pass |



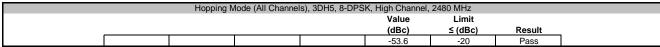






| Hopping Mode (All Channels), 3DH5, 8-DPSK, Low Channel, 2402 MHz
| Value Limit (dBc) ≤ (dBc) Result | -54.3 -20 Pass









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#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

## TEST DESCRIPTION

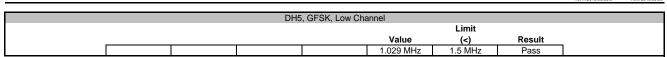
The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The 20 dB occupied bandwidth was measured with the EUT set to low, medium and high transmit frequencies in the band. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode.



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						TbtTx 2019.08.30.0	XMit 2019.0
	V300				Work Order:		
Serial Number:						8-Nov-19	
Customer:	WatchGuard Video				Temperature:	23.2 °C	
	Navaid Karimi					26.2% RH	
Project:					Barometric Pres.:		
	Jonathan Kiefer		Power:	Battery	Job Site:	TX09	
EST SPECIFICAT	IONS			Test Method			
CC 15.247:2019				ANSI C63.10:2013			
•							
COMMENTS							
ow Ch 2402MHz,	Mid Ch 2440MHz, High Ch	2480MHz. Reference Offset 21.22 dB	(20dB attenuator+	dc block+cable).			
EVIATIONS FROM	M TEST STANDARD						
lone							
Configuration #	4		0 +1	2:1			
Somiguration #	,	Signature	Jonathan	neger			
		-				Limit	
					Value	(<)	Result
DH5, GFSK							
	Low Channel				1.029 MHz	1.5 MHz	Pass
	Mid Channel				1.034 MHz	1.5 MHz	Pass
	High Channel				1.035 MHz	1.5 MHz	Pass
DH5, pi/4-DQPSK							
	Low Channel				1.267 MHz	1.5 MHz	Pass
	Mid Channel				1.269 MHz	1.5 MHz	Pass
	High Channel				1.032 MHz	1.5 MHz	Pass
DITE O DOOL							
DH5, 8-DPSK							
DH5, 8-DPSK	Low Channel				1.217 MHz	1.5 MHz	Pass
BDH5, 8-DPSK	Low Channel Mid Channel					1.5 MHz 1.5 MHz	Pass Pass



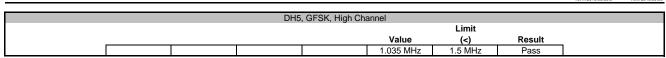


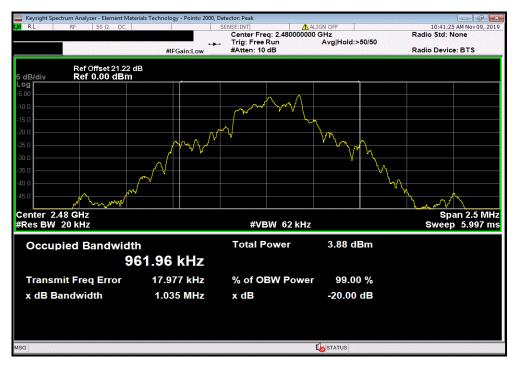


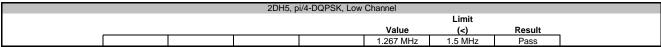


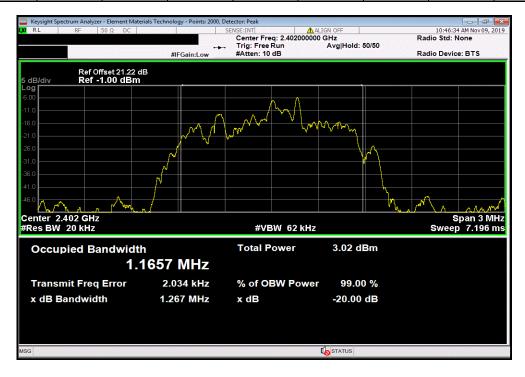




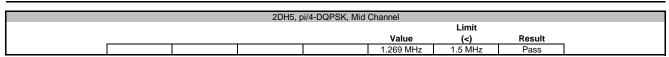


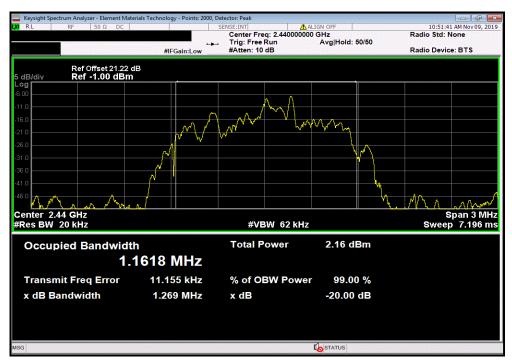


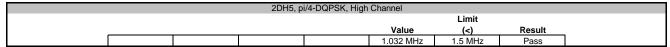






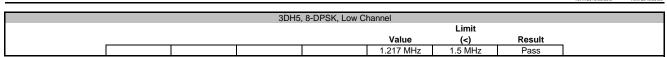


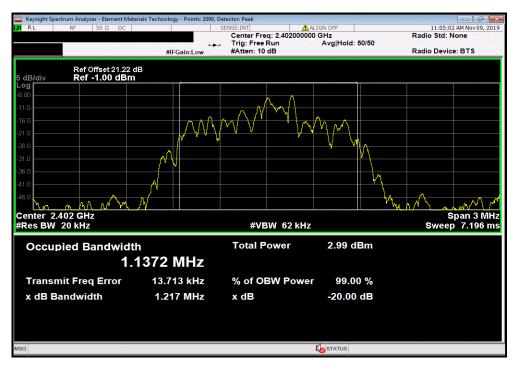


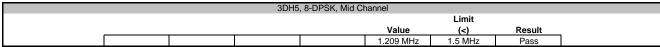


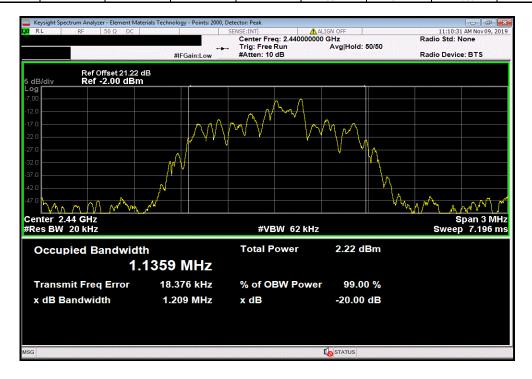












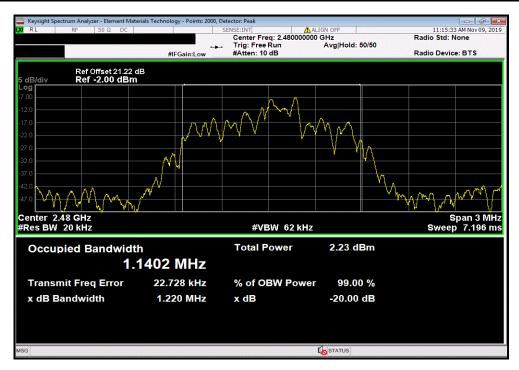


3DH5, 8-DPSK, High Channel

Limit

Value (<) Result

1.22 MHz 1.5 MHz Pass





XMit 2019.09.05

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

#### **TEST EQUIPMENT**

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	Fairview Microwave	SA4018-20	TYE	18-Sep-19	18-Sep-20
Block - DC	Fairview Microwave	SD3379	AMT	18-Sep-19	18-Sep-20
Cable	Micro-Coax	UFD150A-1-0720-200200	TXG	18-Sep-19	18-Sep-20
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	5-May-19	5-May-20

#### **TEST DESCRIPTION**

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.



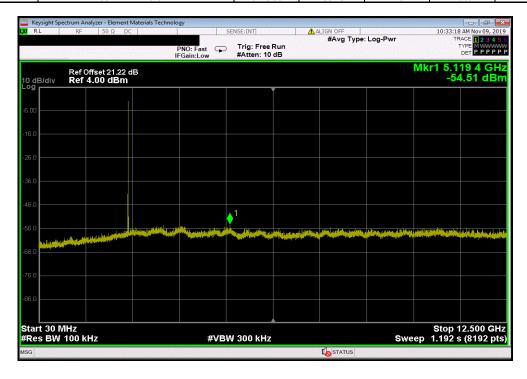
						TbtTx 2019.08.30.0	XMit 2019
EUT:	V300				Work Order:		
Serial Number:	63				Date:	8-Nov-19	
Customer:	WatchGuard Video				Temperature:	23.2 °C	
Attendees:	Navaid Karimi				Humidity:	26.2% RH	
Project:	None				Barometric Pres.:	1035 mbar	
	Jonathan Kiefer		Power: Battery		Job Site:	TX09	
EST SPECIFICATI			Test Method				
CC 15.247:2019			ANSI C63.10:2013				
OMMENTS							
ow Ch 2402MHz. N	Mid Ch 2440MHz. High Ch	2480MHz. Reference Offset 21.22 dB	20dB attenuator+dc block+cable).				
			, <i>,</i> -				
	I TEST STANDARD						
one							
onfiguration #	4		Jonathan Kiefer				
gu.uuo	·	Signature	Garacean make				
		O/g/lata/0	Frequency	Measured	Max Value	Limit	
			Range	Freg (MHz)	(dBc)	≤ (dBc)	Result
H5. GFSK					(5:= 5)	_ (===)	
-, -	Low Channel		Fundamental	2402.16	N/A	N/A	N/A
	Low Channel		30 MHz - 12.5 GHz	5119.39	-53.15	-20	Pass
	Low Channel		12.5 GHz - 25 GHz	23879.87	-51.18	-20	Pass
	Mid Channel		Fundamental	2440.17	N/A	N/A	N/A
	Mid Channel		30 MHz - 12.5 GHz	3828.39	-52.54	-20	Pass
	Mid Channel		12.5 GHz - 25 GHz	24093.52	-49.9	-20	Pass
	High Channel		Fundamental	2480.17	N/A	N/A	N/A
	High Channel		30 MHz - 12.5 GHz	3845.14	-51.37	-20	Pass
	High Channel		12.5 GHz - 25 GHz	24760.41	-49.45	-20	Pass
H5, pi/4-DQPSK	Tilgit Chamio		12.0 01.2 20 01.2	21700.11	10.10		. 400
•	Low Channel		Fundamental	2402.17	N/A	N/A	N/A
	Low Channel		30 MHz - 12.5 GHz	3816.22	-50.89	-20	Pass
	Low Channel		12.5 GHz - 25 GHz	23654.01	-47.65	-20	Pass
	Mid Channel		Fundamental	2440.17	N/A	N/A	N/A
	Mid Channel		30 MHz - 12.5 GHz	5101.12	-50.29	-20	Pass
	Mid Channel		12.5 GHz - 25 GHz	22520.14	-47.75	-20	Pass
	High Channel		Fundamental	2480.18	N/A	N/A	N/A
	High Channel		30 MHz - 12.5 GHz	3706.6	-51.39	-20	Pass
	High Channel		12.5 GHz - 25 GHz	23953.12	-48.25	-20	Pass
H5, 8-DPSK							
	Low Channel		Fundamental	2402.16	N/A	N/A	N/A
	Low Channel		30 MHz - 12.5 GHz	4757.06	-50.77	-20	Pass
	Low Channel		12.5 GHz - 25 GHz	24928.27	-48.61	-20	Pass
	Mid Channel		Fundamental	2440.17	N/A	N/A	N/A
	Mid Channel		30 MHz - 12.5 GHz	3111.34	-49.67	-20	Pass
	Mid Channel		12.5 GHz - 25 GHz	23812.72	-47.99	-20	Pass
	High Channel		Fundamental	2480.17	N/A	N/A	N/A
	High Channel		30 MHz - 12.5 GHz	3240.75	-50.05	-20	Pass
	High Channel		12.5 GHz - 25 GHz	24383.47	-48.01	-20	Pass

Report No. WTVD0027.4 78/92





		DH5, GFSK, Low Cha	annel		
	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
1	30 MHz - 12.5 GHz	5119.39	-53.15	-20	Pass



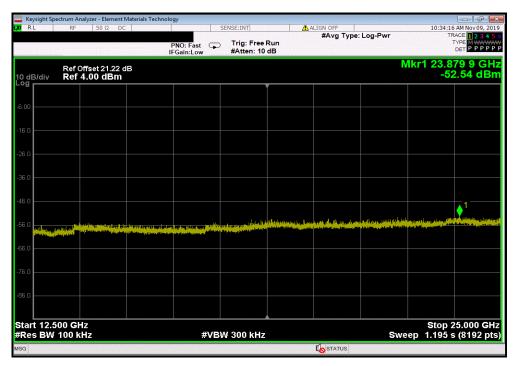


 DH5, GFSK, Low Channel

 Frequency
 Measured Max Value
 Limit

 Range
 Freq (MHz)
 (dBc)
 ≤ (dBc)
 Result

 12.5 GHz - 25 GHz
 23879.87
 -51.18
 -20
 Pass



	DH5, GFSK, Mid Cha	innel		
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
Fundamental	2440.17	N/A	N/A	N/A



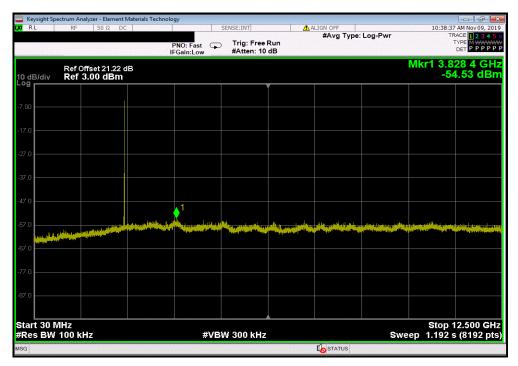


 DH5, GFSK, Mid Channel

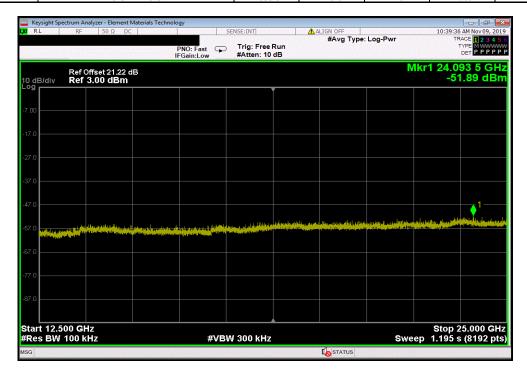
 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBc)
 ≤ (dBc)
 Result

 30 MHz - 12.5 GHz
 3828.39
 -52.54
 -20
 Pass



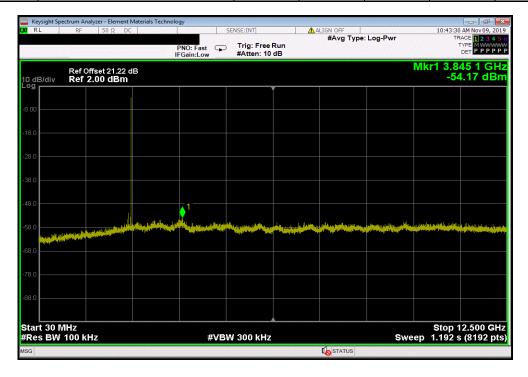
[	H5, GFSK, Mid Cha	annel		
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
12.5 GHz - 25 GHz	24093.52	-49.9	-20	Pass



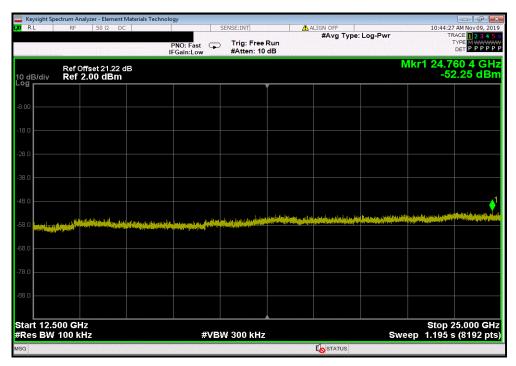




D	H5, GFSK, High Ch	annel		
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
30 MHz - 12.5 GHz	3845.14	-51.37	-20	Pass







	2[	DH5, pi/4-DQPSK, Low	Channel		
	Frequency	Measured	Max Value	Limit	
_	Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
I	Fundamental	2402.17	N/A	N/A	N/A



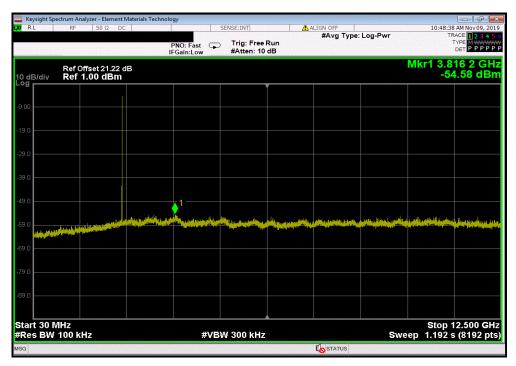


2DH5, pi/4-DQPSK, Low Channel

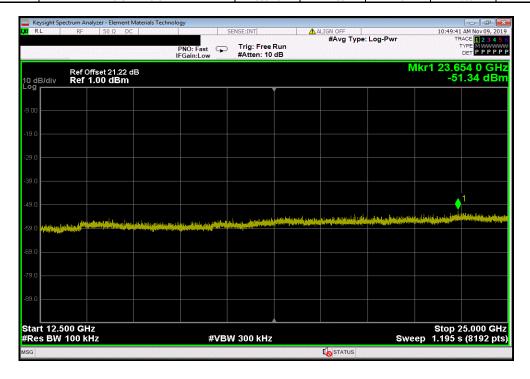
Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

30 MHz - 12.5 GHz 3816.22 -50.89 -20 Pass



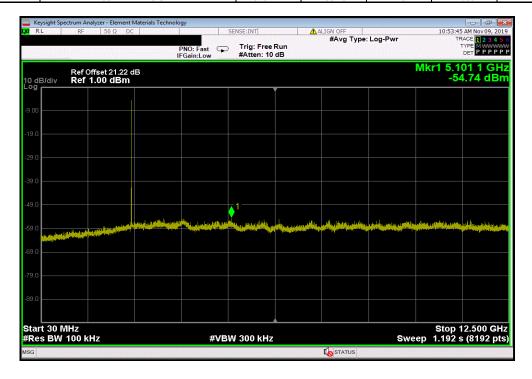
	2DH5, pi/4-DQPSK, Low	Channel		
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
12.5 GHz - 25 GHz	23654.01	-47.65	-20	Pass







	2DH5, pi/4-DQPSK, Mid	Channel		
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
30 MHz - 12.5 GHz	z 5101.12	-50.29	-20	Pass



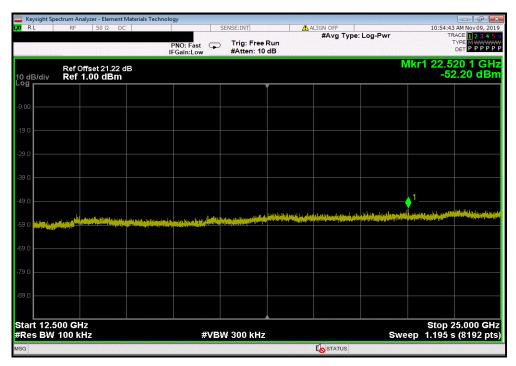


2DH5, pi/4-DQPSK, Mid Channel

Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

12.5 GHz - 25 GHz 22520.14 -47.75 -20 Pass



2D	H5, pi/4-DQPSK, High	Channel		
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
Fundamental	2480.18	N/A	N/A	N/A



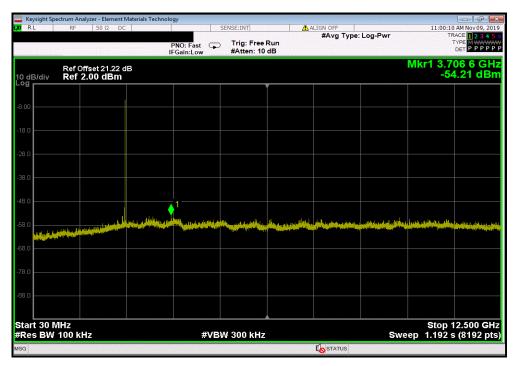


2DH5, pi/4-DQPSK, High Channel

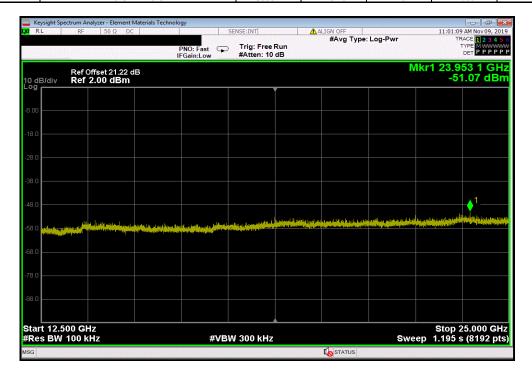
Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

30 MHz - 12.5 GHz 3706.6 -51.39 -20 Pass



	2DH5, pi/4-DQPSK, High Channel			
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
12.5 GHz - 25 GH	Hz 23953.12	-48.25	-20	Pass



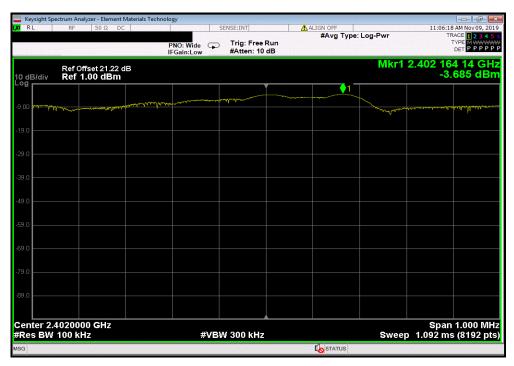


3DH5, 8-DPSK, Low Channel

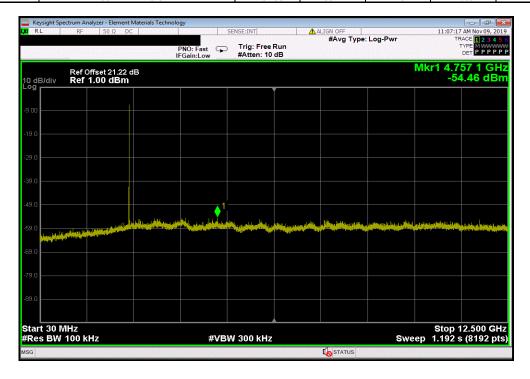
Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

Fundamental 2402.16 N/A N/A N/A



3DH5, 8-DPSK, Low Channel				
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
30 MHz - 12.5 GHz	4757.06	-50.77	-20	Pass



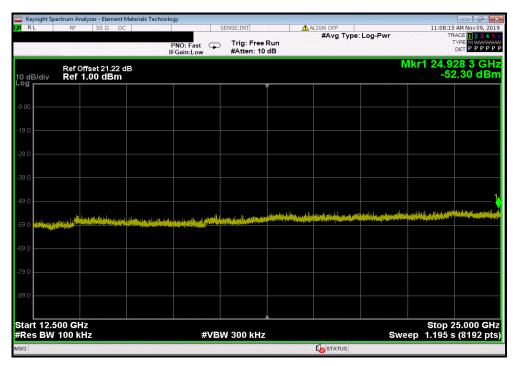


3DH5, 8-DPSK, Low Channel

Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

12.5 GHz - 25 GHz 24928.27 -48.61 -20 Pass



	3DH5, 8-DPSK, Mid Channel				
	Frequency	Measured	Max Value	Limit	
_	Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
ĺ	Fundamental	2440.17	N/A	N/A	N/A



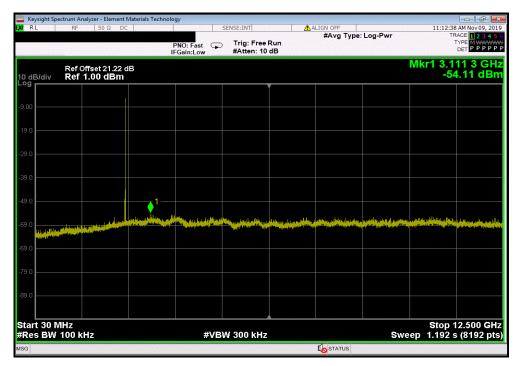


3DH5, 8-DPSK, Mid Channel

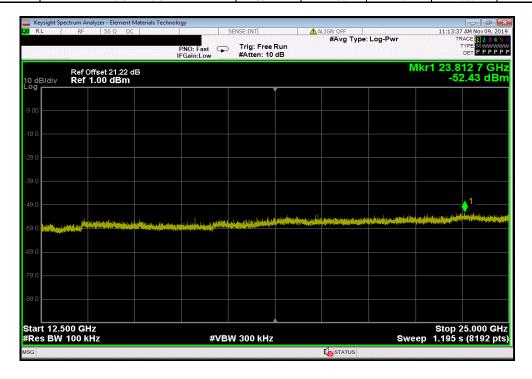
Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

30 MHz - 12.5 GHz 3111.34 -49.67 -20 Pass



	3DH5, 8-DPSK, Mid Channel			
Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
12.5 GHz - 25 GHz	23812.72	-47.99	-20	Pass





3DH5, 8-DPSK, High Channel

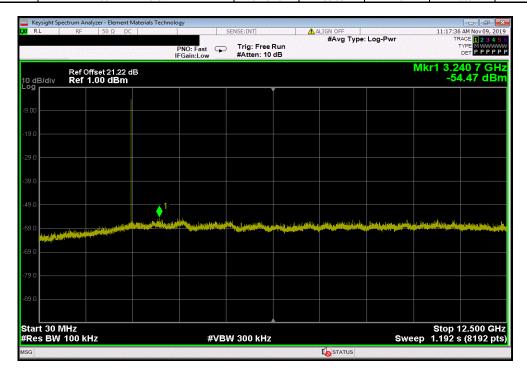
Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

Fundamental 2480.17 N/A N/A N/A



	3DH5, 8-DPSK, High Channel				
	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBc)	≤ (dBc)	Result
1	30 MHz - 12.5 GHz	3240.75	-50.05	-20	Pass





3DH5, 8-DPSK, High Channel

Frequency Measured Max Value Limit

Range Freq (MHz) (dBc) ≤ (dBc) Result

12.5 GHz - 25 GHz 24383.47 -48.01 -20 Pass

