Appendix for 15.247

1. Bandwidth

1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth Test Result (MHz)	Verdict
GFSK	2402	SISO	1	0.934	PASS
	2441	SISO	1	0.955	PASS
	2480	SISO	1	0.937	PASS
Pi/4DQPSK	2402	SISO	1	1.316	PASS
	2441	SISO	1	1.317	PASS
	2480	SISO	1	1.323	PASS
8DPSK	2402	SISO	1	1.296	PASS
	2441	SISO	1	1.297	PASS
	2480	SISO	1	1.297	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth Test Result (MHz)	
GFSK	2402	SISO	1	0.856	Only for Report Use
	2441	SISO	1	0.854	Only for Report Use
	2480	SISO	1	0.852	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.183	Only for Report Use
	2441	SISO	1	1.184	Only for Report Use
	2480	SISO	1	1.184	Only for Report Use
8DPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.181	Only for Report Use
	2480	SISO	1	1.182	Only for Report Use

1.2 Test Graph - 20dB Bandwidth

Bandwidth NTNV_GFSK_SISO_DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.133ms
20dB: 0.934MHz
Marker:
1: 2401.651 MHz
-28.55dBm
2: 2402.585 MHz
-28.55dBm
3: 2401.946 MHz
-8.55dBm
Trace
Level (dBm)
Frequency (MHz)
2401.0
2403.0

Bandwidth NTNV_GFSK_SISO_DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.133ms
20dB: 0.955MHz
Marker:
1: 2440.643 MHz
-26.87dBm
2: 2441.598 MHz
-26.87dBm
3: 2441.104 MHz
-6.87dBm
Trace
Level (dBm)
Frequency (MHz)
2440.0
2442.0

Bandwidth NTNV_GFSK_SISO_DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.133ms
20dB: 0.937MHz
Marker:
1: 2479.656 MHz
-23.43dBm
2: 2480.593 MHz
-23.43dBm
3: 2479.950 MHz
-3.43dBm
Trace
Level (dBm)
Frequency (MHz)
2479.0
2481.0

Bandwidth NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
20dB: 1.316MHz
Marker:
1: 2401.444 MHz
-30.02dBm
2: 2402.760 MHz
-30.02dBm
3: 2402.103 MHz
-10.02dBm
Trace
Level (dBm)
Frequency (MHz)
2400.8
2403.2

Bandwidth NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
20dB: 1.317MHz
Marker:
1: 2440.446 MHz
-27.02dBm
2: 2441.764 MHz
-27.02dBm
3: 2441.098 MHz
-7.02dBm
Trace
Level (dBm)
Frequency (MHz)
2439.8
2442.2

Bandwidth NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
20dB: 1.323MHz
Marker:
1: 2479.446 MHz
-25.16dBm
2: 2480.769 MHz
-25.16dBm
3: 2480.110 MHz
-5.16dBm
Trace
Level (dBm)
Frequency (MHz)
2478.8
2481.2

Bandwidth NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
20dB: 1.296MHz
Marker:
1: 2401.460 MHz
-28.48dBm
2: 2402.756 MHz
-28.48dBm
3: 2401.945 MHz
-8.48dBm
Trace
Level (dBm)
Frequency (MHz)
2400.8
2403.2

Bandwidth NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
20dB: 1.297MHz
Marker:
1: 2440.463 MHz
-25.57dBm
2: 2441.760 MHz
-25.57dBm
3: 2440.954 MHz
-5.57dBm
Trace
Level (dBm)
Frequency (MHz)
2439.8
2442.2

1.3 Test Graph - 99% Occupied Bandwidth

Bandwidth NTNV_GFSK_SISO_DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.133ms
99%OBW: 0.854MHz
Marker:
1: 2440.679 MHz
-24.34dBm
2: 2441.533 MHz
-25.75dBm
Trace
Level (dBm)
Frequency (MHz)
2440.0
2442.0

Bandwidth NTNV_GFSK_SISO_DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.133ms
99%OBW: 0.852MHz
Marker:
1: 2479.684 MHz
-22.17dBm
2: 2480.535 MHz
-23.33dBm
Trace
Level (dBm)
Frequency (MHz)
2479.0
2481.0

Bandwidth NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
99%OBW: 1.183MHz
Marker:
1: 2401.511 MHz
-23.67dBm
2: 2402.694 MHz
-25.64dBm
Trace
Level (dBm)
Frequency (MHz)
2400.8
2403.2

Bandwidth NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
99%OBW: 1.184MHz
Marker:
1: 2440.514 MHz
-20.68dBm
2: 2441.698 MHz
-22.82dBm
Trace
Level (dBm)
Frequency (MHz)
2439.8
2442.2

Bandwidth NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
99%OBW: 1.184MHz
Marker:
1: 2479.518 MHz
-18.27dBm
2: 2480.702 MHz
-20.31dBm
Trace
Level (dBm)
Frequency (MHz)
2478.8
2481.2

Bandwidth NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
99%OBW: 1.180MHz
Marker:
1: 2401.518 MHz
-24.26dBm
2: 2402.698 MHz
-23.32dBm
Trace
Level (dBm)
Frequency (MHz)
2400.8
2403.2

Bandwidth NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
99%OBW: 1.181MHz
Marker:
1: 2440.522 MHz
-21.23dBm
2: 2441.704 MHz
-20.41dBm
Trace
Level (dBm)
Frequency (MHz)
2439.8
2442.2

Bandwidth NTNV_8DPSK_SISO_3DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=30kHz
VBW=100kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
99%OBW: 1.182MHz
Marker:
1: 2479.524 MHz
-18.99dBm
2: 2480.706 MHz
-18.06dBm
Trace
Level (dBm)
Frequency (MHz)
2478.8
2481.2

2. Maximum Conducted Output Power

2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-7.18	30	PASS
	2441	SISO	-4.52	30	PASS
	2480	SISO	-2.25	30	PASS
Pi/4DQPSK	2402	SISO	-4.84	20.97	PASS
	2441	SISO	-1.78	20.97	PASS
	2480	SISO	0.52	20.97	PASS
8DPSK	2402	SISO	-3.90	20.97	PASS
	2441	SISO	-0.82	20.97	PASS
	2480	SISO	1.58	20.97	PASS

2.2 Test Graph

Maximum Conducted Output Power NTNV_GFSK_SISO_DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: -4.52 dBm
Marker:
1: 2441.030 MHz
-4.52dBm
Trace
Level (dBm)
Frequency (MHz)
2436.0
2446.0

Maximum Conducted Output Power NTNV_GFSK_SISO_DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: -2.25 dBm
Marker:
1: 2479.840 MHz
-2.25dBm
Trace
Level (dBm)
Frequency (MHz)
2475.0
2485.0

Maximum Conducted Output Power NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: -4.84 dBm
Marker:
1: 2402.040 MHz
-4.84dBm
Trace
Level (dBm)
Frequency (MHz)
2397.0
2407.0

Maximum Conducted Output Power NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: -1.78 dBm
Marker:
1: 2440.930 MHz
-1.78dBm
Trace
Level (dBm)
Frequency (MHz)
2436.0
2446.0

Maximum Conducted Output Power NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 0.52 dBm
Marker:
1: 2480.090 MHz
0.52dBm
Trace
Level (dBm)
Frequency (MHz)
2475.0
2485.0

Maximum Conducted Output Power NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: -3.90 dBm
Marker:
1: 2402.040 MHz
-3.90dBm
Trace
Level (dBm)
Frequency (MHz)
2397.0
2407.0

Maximum Conducted Output Power NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: -0.82 dBm
Marker:
1: 2441.040 MHz
-0.82dBm
Trace
Level (dBm)
Frequency (MHz)
2436.0
2446.0

Maximum Conducted Output Power NTNV_8DPSK_SISO_3DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=3MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 1.58 dBm
Marker:
1: 2480.110 MHz
1.58dBm
Trace
Level (dBm)
Frequency (MHz)
2475.0
2485.0

3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.955	≥0.955	PASS
Pi/4DQPSK	SISO	1	1.000	1.323	≥0.882	PASS
8DPSK	SISO	1	1.035	1.297	≥0.865	PASS

3.2 Test Graph

Carrier frequency separation NTNV_Pi/4DQPSK_SISO_2DH5_HOPP_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=300kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
CSP=1.000MHz
Marker:
1: 2440.957 MHz
-5.09dBm
2: 2441.957 MHz
-3.99dBm
Trace
Level (dBm)
Frequency (MHz)
2440.25
2442.75

Carrier frequency separation NTNV_8DPSK_SISO_3DH5_HOPP_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=300kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
CSP=1.035MHz
Marker:
1: 2440.465 MHz
-4.70dBm
2: 2441.500 MHz
-5.37dBm
Trace
Level (dBm)
Frequency (MHz)
2440.25
2442.75

4. Number of hopping frequencies

4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS

4.2 Test Graph

5. Time of occupancy (dwell time)

5.1 Test Result

Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.374	31.6	320	119.680	≤400	PASS
	DH3	SISO	1	1.629	31.6	160	260.640	≤400	PASS
	DH5	SISO	1	2.877	31.6	106	304.962	≤400	PASS
8DPSK	3DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	3DH3	SISO	1	1.631	31.6	160	260.960	≤400	PASS
	3DH5	SISO	1	2.883	31.6	107	308.481	≤400	PASS

5.2 Test Graph

Time of Occupancy (Dwell Time) NTNV_GFSK_SISO_DH1_HOPP_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=38ms
Time of Pulse:
0.374ms
Trace
Level (dBm)
Time (ms)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
0.0
38.0

Time of Occupancy (Dwell Time) NTNV_GFSK_SISO_DH1_HOPP_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=31.6s
Number of Pulse:
320
Dwell Time:
119.680ms
Trace
Level (dBm)
Time (s)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
0.0
31.6

Time of Occupancy (Dwell Time) NTNV_GFSK_SISO_DH3_HOPP_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=20ms
Time of Pulse:
1.629ms
Trace
Level (dBm)
Time (ms)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
0.0
20.0

Time of Occupancy (Dwell Time) NTNV_GFSK_SISO_DH3_HOPP_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=31.6s
Number of Pulse:
160
Dwell Time:
260.640ms
Trace
Level (dBm)
Time (s)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
0.0
31.6

Time of Occupancy (Dwell Time) NTNV_GFSK_SISO_DH5_HOPP_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=20ms
Time of Pulse:
2.877ms
Trace
Level (dBm)
Time (ms)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
0.0
20.0

Time of Occupancy (Dwell Time) NTNV_GFSK_SISO_DH5_HOPP_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=31.6s
Number of Pulse:
106
Dwell Time:
304.962ms
Trace
Level (dBm)
Time (s)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
0.0
31.6

Time of Occupancy (Dwell Time) NTNV_8DPSK_SISO_3DH1_HOPP_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
ATT=15
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=20ms
Time of Pulse:
0.383ms
Trace

Time of Occupancy (Dwell Time) NTNV_8DPSK_SISO_3DH1_HOPP_ANT1
Level (dBm)
Time (s)
ANT=1 (SISO)
ATT=15
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=31.6s
Number of Pulse:
320
Dwell Time:
122.560ms
Trace

Time of Occupancy (Dwell Time) NTNV_8DPSK_SISO_3DH3_HOPP_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=20ms
Time of Pulse:
1.631ms
Trace
Level (dBm)
Time (ms)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
0.0
20.0

Time of Occupancy (Dwell Time) NTNV_8DPSK_SISO_3DH3_HOPP_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=31.6s
Number of Pulse:
160
Dwell Time:
260.960ms
Trace
Level (dBm)
Time (s)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
0.0
31.6

Time of Occupancy (Dwell Time) NTNV_8DPSK_SISO_3DH5_HOPP_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=20ms
Time of Pulse:
2.883ms
Trace
Level (dBm)
Time (ms)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
0.0
20.0

Time of Occupancy (Dwell Time) NTNV_8DPSK_SISO_3DH5_HOPP_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
Center=2.441GHz
RBW=910kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=30001
Sweep Time=31.6s
Number of Pulse:
107
Dwell Time:
308.481ms
Trace
Level (dBm)
Time (s)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
0.0
31.6

6. Unwanted Emissions in Non-restricted Frequency Bands

6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-22.57	PASS
	2441	SISO	1	Refer to test graph	-22.57	PASS
	2480	SISO	1	Refer to test graph	-22.57	PASS
	Hopping	SISO	1	Refer to test graph	-22.57	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-22.84	PASS
	2441	SISO	1	Refer to test graph	-22.84	PASS
	2480	SISO	1	Refer to test graph	-22.84	PASS
	Hopping	SISO	1	Refer to test graph	-22.84	PASS
8DPSK	2402	SISO	1	Refer to test graph	-22.30	PASS
	2441	SISO	1	Refer to test graph	-22.30	PASS
	2480	SISO	1	Refer to test graph	-22.30	PASS
	Hopping	SISO	1	Refer to test graph	-22.30	PASS

6.2 Test Graph

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Marker:
1: 2479.955 MHz
-2.57dBm
Trace
Level (dBm)
Frequency (MHz)
2479.297
2480.703

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=2001
Sweep Time=9.6ms
Marker:
1: 2401.950 MHz
-7.79dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2410.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 3203.063 MHz
-48.79dBm
2: 5749.378 MHz
-47.82dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 4881.671 MHz
-44.83dBm
2: 5753.124 MHz
-47.21dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2479.952 MHz
-2.55dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 4960.327 MHz
-42.43dBm
2: 5751.251 MHz
-42.71dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2409.200 MHz
-7.18dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2410.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2476.984 MHz
-2.44dBm
Limit: -22.570 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Marker:
1: 2479.948 MHz
-2.84dBm
Trace
Level (dBm)
Frequency (MHz)
2479.008
2480.992

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=2001
Sweep Time=9.6ms
Marker:
1: 2401.950 MHz
-8.07dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2410.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 5748.130 MHz
-46.59dBm
2: 5787.458 MHz
-48.15dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 4881.671 MHz
-46.45dBm
2: 5752.500 MHz
-48.09dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2480.148 MHz
-3.00dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 4960.327 MHz
-42.29dBm
2: 5751.251 MHz
-48.93dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2408.100 MHz
-7.10dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2410.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2479.140 MHz
-3.34dBm
Limit: -22.840 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Marker:
1: 2479.953 MHz
-2.30dBm
Trace
Level (dBm)
Frequency (MHz)
2479.027
2480.973

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=2001
Sweep Time=9.6ms
Marker:
1: 2401.950 MHz
-7.64dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2410.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1
ANT=1 (SISO)
ATT=10
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 3203.063 MHz
-48.42dBm
2: 5752.500 MHz
-49.19dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 3254.875 MHz
-49.39dBm
2: 4882.295 MHz
-45.80dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2479.952 MHz
-2.29dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2480MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 3306.688 MHz
-49.09dBm
2: 4960.327 MHz
-42.92dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2409.950 MHz
-6.47dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2410.0

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1
ANT=1 (SISO)
ATT=15
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.733ms
Marker:
1: 2478.972 MHz
-2.29dBm
Limit: -22.300 dBm
Trace
Level (dBm)
Frequency (MHz)
2472.0
2500.0