

Report No.:

Applicant:	DMR Technologies
Product:	Remote Control
Model No.:	Agri-Pro H20, Agri-Pro
Trademark:	DMR Technologies
Test Standards:	FCC Part 15.247
Test result:	It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15.247 for the evaluation of electromagnetic compatibility

Approved By

Terry long

Terry Tang

Manager

Dated:

February 06, 2025

TW2501110-05E

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Special Statement:

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.: 5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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1.0 **General Details**

Test Lab Details 1.1

SHENZHEN TIMEWAY TESTING LABORATORIES. Name: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Address: Village, Nanshan District, Shenzhen, China Telephone: (755) 83448688 (755) 83442996 Fax: Site Listed with Federal Communications commission (FCC) Registration Number:744189 For 3m Anechoic Chamber Site Listed with Industry Canada of Ottawa, Canada Registration Number: IC: 5205A For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: **DMR** Technologies Address: 2050 15th St., Detroit, MI 48216

Description of EUT 1.3

1	
Product:	Remote Control
Manufacturer:	DMR Technologies
Address:	2050 15th St., Detroit, MI 48216
Trademark:	DMR Technologies
Additional Trademark:	N/A
Model Number:	Agri-Pro H20
Additional Model Number:	Agri-Pro
Hardware Version:	V1.2
Software Version:	V1.1
Serial No.:	2025H20A0001
Rating:	Input: DC12V, 3A
Battery:	DC3.7V, 20000mAh Li-ion battery
Type of Modulation	OFDM
Frequency List:	2411MHz, 2422MHz, 2433MHz, 2444MHz, 2455MHz, 2466MHz,
Antenna:	Dipole antennas with gain 3.90dBi Max for each one (Get from the antenna
	specification)
Domark EUT aunarta SISC) Mode and MIMO Mode

Remark: EUT supports SISO Mode and MIMO Mode

Submitted Sample: 2 Samples 1.4

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1.5 Test Duration 2025-01-09 to 2025-02-06

- 1.6 Test Uncertainty Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.
- 1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3. DESCRIPTION OF TEST MODES

IEEE 802.11b (HT20) mode

The EUT had been tested under operating condition. There are three channels have been tested as following:

Channel	Frequency (MHz)
Low	2411
Middle	2433
High	2466

Duty Cycle

10M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
		2411		29.9	5.24	0.35
		2433	Ant1	29.46	5.31	0.36
NVNT		2466		29.76	5.26	0.35
INVINI	-	2411		29.9	5.24	0.35
			2433	Ant2	29.81	5.26
		2466		29.92	5.24	0.35

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		Test G	raphs		
	Duty	Cycle NVN7	2411MHz Ant1		
gilent Spectrum Analyzer - Swept SA					
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	1	Outy Cycle NVN	T 2466MHz Ant1		
Agilent Spectrum Analyzer - Swept S					
X RL RF 50 Ω A Center Freq 2.4660000		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	05:06:36 PM Jan 17, 2025 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 40 dB		DET P N N N N N	
Ref Offset 1.97 c	dB			Mkr1 3.266 ms	Auto Tune
10 dB/div Ref 20.00 dBi	m			-18.16 dBm	
		and some state of the second sec			Center Free
-10.0			2		2.466000000 GH
-20.0		¥			
-30.0					Start Free 2.466000000 GH
10.0	ale and the optical factories			entry all the block and the second	
00.0	vise it <mark>e frees stilden beseg pleic</mark> t	Bullano denantia	And all a first and all a first and a first and a first and a first a	an and during along a disk position	Stop Free
-60.0					2.466000000 GH
				0	
Center 2.466000000 GHz Res BW 1.0 MHz		V 3.0 MHz	Sweep 20	Span 0 Hz (10001 pts).	CF Step 1.000000 MH
MKR MODE TRC SCL	X		UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar
1 N 1 t 2 N 1 t 3 N 1 t	3.266 ms 9.932 ms	-18.16 dBm -19.71 dBm			Erea Offere
3 N 1 t 4 5	12.76 ms	-19.02 dBm			Freq Offse
6					
6 7 8					
9 10					
11 <				~	
NSG				>	
	Ι	Duty Cycle NVN	status T 2411MHz Ant2		
Agilent Spectrum Analyzer - Swept S XI R L RF 50 Ω A	SA Ac DOO GHz PNO: Wide ↔	SENSE:INT			Frequency
Agilent Spectrum Analyzer - Swept 3 RL RE 50 A Center Freq 2.4110000 Ref Offset 1.91 c 10 dB/div Ref 20.00 dB	SA COOGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT	T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr	05:24:21 PM Jan 17, 2025 TRACE 12:34 556	Frequency Auto Tune
Agilent Spectrum Analyzer - Swept 3 R RL RF 50 Ω A Center Freq 2.4110000 Ref Offset 1.91 c 10 dB/div Ref 20.00 dB/ Log	SA COOGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT	T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr	05:24:21 PM Jan 17, 2025 TRACE 11 2 3 4 5 6 TYPE WWWWWW DET P NNNN Mkr1 1.394 ms	Auto Tune
Agilent Spectrum Analyzer - Swept S R R R RF 50 Ω A Center Freq 2.41100000 Ref Offset 1.91 c 10 dB/div Ref 20.00 dB	SA COOGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr	05:24:21 PM Jan 17, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWW DET P NNNN Mkr1 1.394 ms -18.07 dBm	
Agilent Spectrum Analyzer - Swept 3 R RL RF 50 Ω A Center Freq 2.4110000 Ref Offset 1.91 c 10 dB/div Ref 20.00 dBr 10 0 minutel 10 0 minutel	SA COOGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT	T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr	05:24:21 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WANNAN DET P NNN N Mkr1 1.394 ms -18.07 dBm	Auto Tuno Center Fred
Agilent Spectrum Analyzer - Swept 3 R RL RF 50 R A Center Freq 2.4110000 Ref Offset 1.91 c 10 dB/div Ref 20.00 dB 10.0 10.0 10.0 -0.00 -20.0	SA COOGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT	T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr	05:24:21 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WANNAN DET P NNN N Mkr1 1.394 ms -18.07 dBm	Auto Tuno Center Fred
Agilent Spectrum Analyzer - Swept 3 X RL RF 50 2 A Center Freq 2.4110000 Ref Offset 1.91 c 10 dB/div Ref 20.00 dB 10.0 10.0 -0.00 -30.0	SA COOGHZ PNO: Wide ↔ IFGain:Low	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2	05:24:21 PM Jan 17, 2025 TRACE 1 2 3 4 5 6 TYPE (WWWWWWW DET P NNNN N Mkr1 1.394 ms -18.07 dBm (happend th (happend th)	Auto Tune Center Free 2.411000000 GH
Agilent Spectrum Analyzer - Swept S RL RF 50 Ω A Center Freq 2.41100000 Ref Offset 1.91 c C 10 dB/div Ref 20.00 dB C 10.0 minudi C C 10.0 minudi C C 10.0 1 C C <td>SA DOO GHz PNO: Wide → IFGain:Low dB m</td> <td>SENSE:INT Trig: Free Run #Atten: 40 dB</td> <td>T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr</td> <td>05:24:21 PM Jan 17, 2025 TRACE 12:23 4 5 6 TYPE (WWWWWWW DET (P NNNN N Mkr1 1.394 ms -18.07 dBm -18.07 dBm -</td> <td>Auto Tune Center Free 2.41100000 GH Start Free 2.411000000 GH</td>	SA DOO GHz PNO: Wide → IFGain:Low dB m	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2 Alignauto Avg Type: Log-Pwr	05:24:21 PM Jan 17, 2025 TRACE 12:23 4 5 6 TYPE (WWWWWWW DET (P NNNN N Mkr1 1.394 ms -18.07 dBm -18.07 dBm -	Auto Tune Center Free 2.41100000 GH Start Free 2.411000000 GH
Agilent Spectrum Analyzer - Swept 3 X RL RF 50 R A Center Freq 2.41100000 Ref Offset 1.91 c	SA CC PNO: Wide → IFGain:Low dB m theorem of the fillence is in the	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2	05:24:21 PM Jan 17, 2025 TRACE 12:23 4 5 6 TYPE (WWWWWWW DET (P NNNN N Mkr1 1.394 ms -18.07 dBm -18.07 dBm -	Auto Tune Center Free 2.411000000 GH Start Free 2.411000000 GH Stop Free
Agilent Spectrum Analyzer - Swept 3 R RL RF 50 R A Center Freq 2.4110000 Ref Offset 1.91 c Ref Offset 1.91 c Ref Offset 1.91 c 10.0 Ref 20.00 dBH 10.0 Ref 20.00 Ref 20.0	SA CC PNO: Wide → IFGain:Low dB m theorem of the fillence is in the	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2	05:24:21 PM Jan 17, 2025 TRACE 12:23 4 5 6 TYPE (WWWWWWW DET (P NNNN N Mkr1 1.394 ms -18.07 dBm -18.07 dBm -	Auto Tune Center Free 2.41100000 GH Start Free 2.411000000 GH
Agilent Spectrum Analyzer - Swept 3 R L RE 50 % A Center Freq 2.41100000 Ref Offset 1.91 c 100 0	SA IC PNO: Wide → IFGain:Low dB m Ipation of Authority of the station Ipation of Authority of the station Ipation of Authority of the station of	SENSE:INT	T 2411MHz Ant2	05:24:21 PM Jan 17, 2025 TRACE [1:2:3:4:5 6 TYPE [1:2:3:4:5 7 TYPE [1:2:3:5 7 TYPE [1:2:3:5 7 TYPE [1:	Auto Tune Center Free 2.411000000 GH: Start Free 2.411000000 GH: Stop Free 2.411000000 GH:
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Agilent Spectrum Analyzer - Swept 3 R L RF 50 2 A Center Freq 2.41100000 Ref Offset 1.91 c 0 10 dB/div Ref 20.00 dBi 0 10 dB/div Ref 20.00 dBi 0 10.0 1 0 0 10.0 1 0 0 10.0 1 0 0 10.0 1 0 0 10.0 1 0 0 10.0 1 0 0 10.0 1 0 0 10.0 1 0 0 20.0 1 0 0 30.0 1 0 0 40.0 1 0 0 50.0 1 0 0 60.0 1 0 0 70.0 1 1 1 8 1 1 1	SA DOO GHZ PNO: Wide → IFGain:Low dB m dB dB m dB dB m dB dB dB dB dB dB dB dB dB dB	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2	05:24:21 PM Jan 17, 2025 TRACE [1:2345 6 TYPE [1:2345 6 TYPE [1:2345 6 TYPE [1:245 6 T	Auto Tune Center Free 2.411000000 GH Start Free 2.411000000 GH Stop Free 2.411000000 GH CF Step 1.000000 MH Auto Auto Freq Offse
Aglient Spectrum Analyzer - Swept 3 R I RF 50 2 A Center Freq 2.41100000 Ref Offset 1.91 c C C 10 Bit Mark Ref Offset 1.91 c C C 100 Ref Offset 1.91 c C C C C 100 Ref Offset 1.91 c C C C C C 100 Ref Offset 1.91 c C	SA DOO GHZ PNO: Wide → IFGain:Low dB m dB dB m dB dB m dB dB dB dB dB dB dB dB dB dB	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2411MHz Ant2	05:24:21 PM Jan 17, 2025 TRACE [1:2:3:4:5 6 TYPE [1:2:3:4:5 7 TYPE [1:2:3:5 7 TYPE [1:2:3:5 7 TYPE [1:2:3:5 7 TYPE [1:2:	Start Free 2.411000000 GH: Start Free 2.411000000 GH: Stop Free 2.411000000 GH: CF Step 1.000000 MH: Auto Mar Freq Offse

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	m Analyzer - Swept SA	1				
	RF 50 Ω AC eq 2.433000000	GHz PNO: Wide ↔	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	05:27:37 PM Jan 17, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
10 dB/div	Ref Offset 1.94 dB Ref 20.00 dBm	PNU: Wide ↔ IFGain:Low	#Atten: 40 dB		Mkr1 1.292 ms -24.81 dBm	Auto Tun
10.0 0.00			Hills (Area second) Area (Area) Area (Area) (Area) (Area) (Area) Area) (Area)		, it has a featral to the Helson Day in the featral to the Helson of Day	Center Fre 2.433000000 G⊢
-10.0	1	perfect and the second states		h ang si pang di kang sing sing sing sing sing sing sing si	la nudeje ja	Start Fre 2.433000000 G⊢
	ي بن من	elset der Hoperschers verweiten	<mark>,</mark>	<mark>ter tin på proved till kentler vid preferel program bet be</mark>	<u>թետորել վլ</u>	Stop Fre 2.433000000 G⊢
Center 2.4 Res BW 1.	33000000 GHz 0 MHz	#VBV	₩ 3.0 MHz	Sweep 20	Span 0 Hz .00 ms (10001 pts)	CF Ste 1.000000 MH
MKR MODE TRO 1 N 1 2 N 1 3 N 1 4	SCL X t t t	1.292 ms 7.954 ms 10.78 ms	24.81 dBm -24.99 dBm -23.89 dBm	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma FreqOffse 0⊢
ISG			uu	STATUS		
Agilent Spectru	m Analyzer - Swept SA RF 50 Ω AC	I	Duty Cycle NVN	STATUS T 2466MHz Ant2 ALIGNAUTO	05:29:30 PM Jan 17, 2025	
gilent Spectru RL Center Fre	RF 50 Ω AC eq 2.466000000 Ref Offset 1.96 dB		SENSE:INT	T 2466MHz Ant2 Alignauto Avg Type: Log-Pwr	05:29:30 PM Jan 17, 2025 TRACE [1: 3 4 5 6 TYPE [WWWWWWW DET P. N.N.N.N Mkr1 3.700 ms	Frequency Auto Tun
gilent Spectru g RL Center Fro 10 dB/div -og 10.0 0.00	RF 50 Ω AC eq 2.466000000	GHz PNO: Wide ↔	SENSE:INT Trig: Free Run #Atten: 40 dB	ALIGNAUTO Avg Type: Log-Pwr	05:29:30 PM Jan 17, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET P N N N N	Frequency Auto Tun Center Fre 2.46600000 GH
glent Spectru d RL Center Fro og 10.0 .000 .000 .000 .000 .000 .000 .00	Ref Offset 1.96 dB Ref 20.00 dBm	GHz PNO: Wide ↔	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	05:29:30 PM Jan 17, 2025 TRACE 12:3:3:4:5:6 TYPE (WWWWWW DET P NNNN N Mkr1 3.700 ms -20.95 dBm	Auto Tun Center Fre 2.46600000 GF Start Fre
gilent Spectru g RL Center Fro 10 dB/div -99 10.0	Ref Offset 1.96 dB Ref 20.00 dBm	GHz PNO: Wide → IFGain:Low	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	05:29:30 PM Jan 17, 2025 TRACE 12 ≥ 3 4 5 6 TYPE WWWWWWW DET P NNN N Mkr1 3.700 ms -20.95 dBm	Auto Tun Center Fre
glent Spectru a RL Center Fra Odd Odd Odd Odd Odd Odd Odd Od	RF 50 Ω AC eq 2.466000000 Ref 20.00 dBm do incremental do increme	GHz PNO: Wide → IFGain:Low USUINE (Last - c0) Do Ant Info (Last - c0) Do Ant Info (Last - c0) Ant Info	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	05:29:30 PM Jan 17, 2025 TRACE [1] 2 3 4 5 6 TYPE [MANNANN N DET P.N.N.N.N Mkr1 3.700 ms -20.95 dBm -20.95 dBm	Auto Tun Center Fre 2.46600000 GF Start Fre 2.46600000 GF
gient Spectru g RL Center Fro Center Fro 10.0 10.0 20.	Ref Offset 1.96 dB Ref 20.00 dBm	GHz PNO: Wide → IFGain:Low	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	05:29:30 PM Jan 17, 2025 TRACE [1] 2 3 4 5 6 TYPE [MANNANN N DET P.N.N.N.N Mkr1 3.700 ms -20.95 dBm -20.95 dBm	Auto Tur Center Fre 2.466000000 GH 2.466000000 GH 2.466000000 GH 2.466000000 GH CF Ste 1.000000 MH

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20M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	
		2411		29.91	5.24	0.35	
		2433	Ant1	29.48	5.3	0.36	
		2466		29.46	5.31	0.36	
NVNT	-	-	2411		29.89	5.24	0.35
			2433	Ant2	29.52	5.3	0.36
		2466		29.9	5.24	0.35	

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gilent Spectrum Analyzer		Duty Cycle NVN	1 2411MHz Antl		
	50 Ω AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:12:29 PM Jan 17, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWWW	Frequency
	PNO: Wide ↔ IFGain:Low	式 Trig: Free Run #Atten: 40 dB		Vikr1 2.176 ms	Auto Tun
Ref Offse 10 dB/div Ref 20.0			•	-19.39 dBm	
10.0					Center Free 2.411000000 GH
40.0				a stala in si sugla da pinana, kindu in s	Start Fre 2.411000000 GH
50.0 **** ** * *************************	nikalin engelik ying diki kina ingenangi.			No.(4) A.(1) A.(1)	Stop Fre 2.411000000 GH
Center 2.41100000 Res BW 1.0 MHz		V 3.0 MHz	Sweep 25.3	Span 0 Hz 33 ms (10001 pts) FUNCTION VALUE	CF Ste j 1.000000 MH <u>Auto</u> Ma
1 N 1 t 2 N 1 t 3 N 1 t 4 - - 5 - - 6 - - 7 - -	2.176 ms 8.836 ms 11.68 ms	-19.39 dBm -19.16 dBm -17.22 dBm		Ē	Freq Offse 0 H
SG			STATUS		
gilent Spectrum Analyzer RL RF	- Swept SA 50 Ω AC	Duty Cycle NVN SENSE:INT Trig: Free Run #Atten: 40 dB		04:18:15 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WWWWWWW DET P NN NN N	Frequency
gilent Spectrum Analyzer RL RF 2 Center Freq 2.43 Ref Offse 0 dB/div Ref 20.0	- Swept SA 50 Ω AC 30000000 GHz PNO: Wide → IFGain:Low at 1.95 dB	SENSE:INT	Γ 2433MHz Ant1 Alignauto Avg Type: Log-Pwr	04:18:15 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WAANNUM	
gilent Spectrum Analyzer RL RF 2 Center Freq 2.43 0 dB/div Ref 20.0 0 gildin to the former 0 dB/div Ref 20.0	- Swept SA 50 Ω AC 30000000 GHz PNO: Wide → IFGain:Low at 1.95 dB	SENSE:INT	C 2433MHz Ant1	04:18:15 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WWWWWWW DET P N N N N VIKr1 2.138 ms	Auto Tun Center Fre
glient Spectrum Analyzer RL RF 1 center Freq 2.43: Ref Offse 0 dB/div Ref 20.1 9 0.00 10 0 10	- Swept SA 50 Ω AC PNO: Wide → IFGain:Low at 1.95 dB 00 dBm	Trig: Free Run #Atten: 40 dB	Γ 2433MHz Ant1 ALIGNAUTO Avg Type: Log-Pwr	04:18:15 PM Jan 17, 2025 TRACE 12:3:4:5:6 TYPEC WARNING DET P N N N N VIkr1 2.138 ms 2.04 dBm	Auto Tun Center Fre 2.43300000 GH Start Fre
sc	- Swept SA 50 Ω AC PNO: Wide → IFGain:Low at 1.95 dB 00 dBm	Trig: Free Run #Atten: 40 dB	C 2433MHz Ant1	04:18:15 PM Jan 17, 2025 TRACE 12:3:4:5:6 TYPEC WARNING DET P N N N N VIkr1 2.138 ms 2.04 dBm	Auto Tun Center Free 2.43300000 GH Start Free 2.43300000 GH Stop Free
Bill Ref Offse RL RF Center Freq 2.43: O dB/div Ref Offse O da How of the	- Swept SA 50 2 AC PNO: Wide → IFGain:Low et 1.95 dB 00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	C 2433MHz Ant1 Aug Type: Log-Pwr Avg Type: Log-Pwr	04:18:15 PM Jan 17, 2025 TRACE 12:345.6 TYPE T	Auto Tun Center Fre 2.43300000 GH Start Fre 2.43300000 GH Stop Fre 2.43300000 GH
Billent Spectrum Analyzer Ref Offse @ RL RF 1 Center Freq 2.43: Ref Offse 1 0 dB/div Ref 20.1	- Swept SA 50 Ω AC PNO: Wide → IFGain:Low at 1.95 dB 00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	C 2433MHz Ant1	04:18:15 PM Jan 17, 2025 TRACE 12:3:4:5:6 TYPE P N N N N Mkr1 2.138 ms 2.04 dBm	Auto Tun Center Fre 2.43300000 GH 2.43300000 GH 2.433000000 GH 2.4330000000 GH 2.433000000 GH 2.4340 GH 2.433000000 GH 2.4340 GH 2.4440 GH
Ref Offse 0 dB/div Ref Offse 0 dB/div Ref Offse 0 dB/div Ref 20.1	- Swept SA 50 2 AC PNO: Wide → IFGain:Low et 1.95 dB 00 dBm 	SENSE:INT Trig: Free Run #Atten: 40 dB () 11 20 () 10 () 10 () () 11 20 () 10 () 10 () 10 () 10 () () 11 20 () 10 (C 2433MHz Ant1	04:18:15 PM Jan 17, 2025 TRACE 12:3:4:5:6 TYPE P N N N N Mkr1 2.138 ms 2.04 dBm	Auto Tun Center Free 2.43300000 GH Start Free 2.43300000 GH Stop Free 2.43300000 GH CF Step 1.00000 MH

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gilent Spectrum Analyz	er - Swept SA	Duty Cycle NV			
K RL RF	50 Ω AC 66000000 GHz	SENSE:INT	Avg Type: Log-Pwr	04:23:01 PM Jan 17, 2025 TRACE 1 2 3 4 5 6	Frequency
	PNO: W IFGain:				Auto Tun
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10.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0			3		Center Fre 2.466000000 GH
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	der Werthenden auf blei körtensetten ja auf scheiderten ficklich		una la la de cojej presente de a constituence e presen		Stop Fre 2.466000000 GH
Center 2.466000 Res BW 1.0 MHz		#VBW 3.0 MHz	•	Span 0 Hz .00 ms (10001 pts)	CF Ste 1.000000 MH <u>Auto</u> Ma
MKR MODE TRC SCL 1 N 1 t 2 N 1 t 3 N 1 t	× 1.106 n 7.810 n	ns -3.80 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	
3 N 1 t 4	10.61 n	ns 3.64 dBm			Freq Offse 0 H
4 5 6 7 8 9					
9 10 11					
			STATUS		
		Durfer Cruelle NI			
SG		Duty Cycle NV	status VNT 2411MHz Ant2		
sg gilent Spectrum Analyz g RL RF	50 Ω AC	SENSE:INT	/NT 2411MHz Ant2	04:34:48 PM Jan 17, 2025	Frequency
sg gilent Spectrum Analyz g RL RF	50 Ω AC	SENSE:INT	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 1, 2 3 4 5 6 TYPE WANNAWA DET P N N N N	
sg glent Spectrum Analyz RL RF Center Freq 2.4 Ref Of	50 Ω AC PNO: W IFGain: fset 1.91 dB	SENSE:INT	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 22 3 4 5 6 TYPE	
kglent Spectrum Analyz R RL RF Center Freq 2.4 10 dB/div Ref 2	50 Ω AC 11000000 GHz PNO: W IFGain:	SENSE:INT Vide → Trig: Free Run Low #Atten: 40 dB	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE [] 2 3 4 5 6 TYPE [] WWWWWWW DET [P N N N N Mkr1 2.608 ms	Auto Tun
In the section of the	50 Ω AC PNO: W IFGain: fset 1.91 dB	SENSE:INT Vide → Trig: Free Run Low #Atten: 40 dB	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 12 ≥ 3 4 5 6 TYPE 00400000000 DET P N N N N N Mkr1 2.608 ms -19.89 dBm	Auto Tun Center Fre
kgient Spectrum Analyz R RL RF Center Freq 2.4 Ref Of 10 dB/div Ref 2 000 Ref 2 000	50 Ω AC PNO: W IFGain: fset 1.91 dB	SENSE:INT Vide → Trig: Free Run Low #Atten: 40 dB	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 12 2 3 4 5 6 TYPE WWWWWWW DEF P NN NN Mkr1 2.608 ms -19.89 dBm	Auto Tun Center Fre 2.411000000 GH
ssg sglent Spectrum Analyz RL RF Center Freq 2.4 Ref Of 10 dB/div Ref 2 90 10.0 b/ frequencies 10.0 b/ fre	1000000 GHz PN0: W IF6ain: fset 1.91 dB 0.00 dBm	SENSE:INT Vide ↔ Trig: Free Run Low #Atten: 40 dB	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 123 4 5 6 TYPE WWWWWW DETP N NN NN Mkr1 2.608 ms -19.89 dBm	Auto Tun Center Fre 2.41100000 GH Start Fre
Image: sign line Report um Analyz g RL RF Center Freq 2.4 10 dB/div Ref 2 00 Put frequencies 10.0 Put frequencies 20.0 Put frequencies 10.0 Put frequencies	50 Ω AC PNO: W IFGain: fset 1.91 dB	SENSE:INT Vide →→ Low Trig: Free Run #Atten: 40 dB	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 12:3 4 5 6 TYPE WWWWWWW DEIP N N N N N Mkr1 2.608 ms -19.89 dBm -19.89 dBm	Auto Tun Center Fre 2.41100000 GH Start Fre
sc glient Spectrum Analyz RL RF Center Freq 2.4 Ref Of 10 dB/div Ref 2 00 10 db/div Ref 2 10 db/div Ref 2	50 Ω AC 11000000 GHz PN0: W IFGain: fset 1.91 dB 0.00 dBm	SENSE:INT Vide →→ Low Trig: Free Run #Atten: 40 dB	VNT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE 12:3 4 5 6 TYPE WWWWWWW DEIP N N N N N Mkr1 2.608 ms -19.89 dBm -19.89 dBm	Auto Tun Center Fre 2.411000000 GH Start Fre 2.411000000 GH Stop Fre
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Agilent Spectrum Analyz RL RF Center Freq 2.4 10 B/div 10 B/div 10 B/div 10 B/div 100 B/div <td>50 Ω AC 11000000 GHz PN0: W PN0: W PN0: W IFGain: Fiset 1.91 dB 0.00 dBm I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 0 I 0 I 0 I 0 I 0 I 0 I 0 I 0 I 0 I I I I I I I I I I I I I I I I I I I I I I I I I I I</td> <td>SENSE:INT Vide →→ Trig: Free Run #Atten: 40 dB #Atten: 40 dB #VBW 3.0 MHz</td> <td>/NT 2411MHz Ant2</td> <td>04:34:48 PM Jan 17, 2025 TRACE [] 2 3 4 5 6 TYPE [] 3 4 5 6 TYPE [] 2 8 9 dBm -19.89 dBm -19.89 dBm -19.89 dBm -19.89 dBm -19.19 d</td> <td>Auto Tun Center Fre 2.411000000 GH Start Fre 2.411000000 GH Stop Fre 2.411000000 GH CF Ste 1.000000 MH Auto Ma</td>	50 Ω AC 11000000 GHz PN0: W PN0: W PN0: W IFGain: Fiset 1.91 dB 0.00 dBm I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 1 I 0 I 0 I 0 I 0 I 0 I 0 I 0 I 0 I 0 I I I I I I I I I I I I I I I I I I I I I I I I I I I	SENSE:INT Vide →→ Trig: Free Run #Atten: 40 dB #Atten: 40 dB #VBW 3.0 MHz	/NT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE [] 2 3 4 5 6 TYPE [] 3 4 5 6 TYPE [] 2 8 9 dBm -19.89 dBm -19.89 dBm -19.89 dBm -19.89 dBm -19.19 d	Auto Tun Center Fre 2.411000000 GH Start Fre 2.411000000 GH Stop Fre 2.411000000 GH CF Ste 1.000000 MH Auto Ma
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Relent Spectrum Analyz RL RF Center Freq 2.4 10 B/dv 20 B/d	50 Ω AC 11000000 GHz PN0: W PN0: W FSet1.91 dB O.00 dBm 1 Image: Set1.91 dB 1<	SENSE:INT Vide →→ Trig: Free Run #Atten: 40 dB #Atten: 40 dB #VBW 3.0 MHz	/NT 2411MHz Ant2	04:34:48 PM Jan 17, 2025 TRACE [] 2 3 4 5 6 TYPE [] 3 4 5 6 TYPE [] 2 8 9 dBm -19.89 dBm -19.89 dBm -19.89 dBm -19.89 dBm -19.19 d	Auto Tun Center Fre 2.411000000 GH Start Fre 2.411000000 GH Stop Fre 2.411000000 GH CF Ste 1.000000 MH Auto Ma
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gilent Spectrum Analyze	r - Swept SA	Duty Cycle NVN			
	50 Ω AC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:39:01 PM Jan 17, 2025 TRACE 1 2 3 4 5 6	Frequency
senter Freq 2.43	PNO: Wide · IFGain:Low	Trig: Free Run #Atten: 40 dB		TYPE WWWWWWW DET P N N N N N	
Def Off-	et 1.94 dB			Mkr1 2.290 ms	Auto Tun
	.00 dBm			6.50 dBm	
		and the second		يعين القرائيس	Center Fre
0.00 <mark>the angle of the product of th</mark>			<u>4</u>	[6] ad at are	2.433000000 GH
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4	11.80 ms	-19.90 dBm			Freq Offse
5					
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ISG				>	
		Duty Cycle NVN	statu: T 2466MHz Ant2		
Agilent Spectrum Analyze	r - Swept SA 50 Ω AC	SENSE:INT			Frequency
Aglient Spectrum Analyze	r - Swept SA 50 Ω AC 66000000 GHz PN0: Wide IFGain:Low set 1.96 dB	SENSE:INT	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWWW	
gilent Spectrum Analyze R RL RF Center Freq 2.46 Ref Offs 0 dB/div Ref 20	r - Swept SA 50 Ω AC 56000000 GHz PN0: Wide - IFGain:Low	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE 112 3 4 5 6 TYPE WWWWWW DET P NNNN Mkr1 1.380 ms	Auto Tun
gjient Spectrum Analyze R RL RF Center Freq 2.46 Ref Offs 10 dB/div Ref 20	r - Swept SA 50 Ω AC 66000000 GHz PN0: Wide IFGain:Low set 1.96 dB	SENSE:INT	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE 112 3 4 5 6 TYPE WWWWWW DET P NNNN Mkr1 1.380 ms	Auto Tun Center Free
Iglient Spectrum Analyze R RL RF Center Freq 2.46 Ref Offs Ref Offs Ref Offs Ref Offs 0 dB/div Ref 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0	r - Swept SA 50 Ω AC 66000000 GHz PN0: Wide IFGain:Low set 1.96 dB	SENSE:INT	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WWWWWWW DETP NUNN N Mkr1 1.380 ms -19.88 dBm	Auto Tun Center Free
Agilent Spectrum Analyze R RL RF Center Freq 2.46 Ref Offs Ref Offs Ref Offs Ref 0 Ref	r - Swept SA 50 Ω AC 66000000 GHz PN0: Wide IFGain:Low set 1.96 dB	SENSE:INT	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE 12 3 4 5 6 TYPE WWWWWWW DETP NUNN N Mkr1 1.380 ms -19.88 dBm	Auto Tun Center Free 2.46600000 GH Start Free
Ref Ref Offs 0 B<	- Swept SA 50 Ω AC PHO: Wide - IFGain:Low iet 1.96 dB .00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 IRACE 123456 TYPE WWWWWWW DET P NNNN N Mkr1 1.380 ms -19.88 dBm	Auto Tun Center Free 2.46600000 GH Start Free
sglent Spectrum Analyze RL RF Center Freq 2.46 Ref Offs 10 Ref Offs 10 Ref 20 10 Ref 20 10 Ref 10 10 Ref 20 10 Ref 10 10 Ref 20	r - Swept SA 50 Ω AC PNO: Wide IFGain:Low iet 1.96 dB .00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 IRACE 123456 TYPE WWWWWWW DET P NNNN N Mkr1 1.380 ms -19.88 dBm	Auto Tun Center Free 2.46600000 GH Start Free 2.46600000 GH
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Ref Offs 0 BE 0 BE 10 BE	- Swept SA 50 Ω AC PHO: Wide - IFGain:Low iet 1.96 dB .00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 IRACE 123456 TYPE WWWWWWW DET P NNNN N Mkr1 1.380 ms -19.88 dBm	Frequency Auto Tun 2.466000000 GH 2.466000000 GH 2.466000000 GH 2.466000000 GH
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regilent Spectrum Analyze d RL Ref center Freq 2.46 0 dB/div Ref 0ffs 0 dB/div Ref 20	- Swept SA S0 Ω AC S0 Ω AC PNO: Wide IFGain:Low et 1.96 dB .00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)	Auto Tun Center Free 2.46600000 GH Start Free 2.46600000 GH Stop Free 2.46600000 GH CF Step 1.00000 MH
Ref Offs 0 BL Ref 10 dB/div Ref 20 dB/div Ref 30 dB/div Ref 10 dB/div Ref 20 dB/div Ref 30 N t	- Swept SA	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)	Auto Tun Center Freq 2.466000000 GH Start Freq 2.466000000 GH Stop Freq 2.466000000 GH CF Step 1.000000 MH Auto Auto Freq Offset
Ref Offs Ref Offs Center Freq 2.46 Ref Offs 10.0 Ref Offs 10.0 Ref Offs 0.00 0.00 0.00 1 0.00 1 1 2.46 0.00 1 0.00	- Swept SA - So Ω AC - So Ω AC - PNO: Wide - IFGain:Low - et 1.96 dB - 00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)	Auto Tun Center Freq 2.466000000 GH Start Freq 2.466000000 GH Stop Freq 2.466000000 GH CF Step 1.000000 MH Auto Auto Freq Offset
Ref Offs Center Freq 2.46 Ref Offs 10 dB/div	- Swept SA - So Ω AC - So Ω AC - PNO: Wide - IFGain:Low - et 1.96 dB - 00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)	Auto Tun Center Freq 2.466000000 GH Start Freq 2.466000000 GH Stop Freq 2.466000000 GH CF Step 1.000000 MH Auto Auto Freq Offset
Ref Offs Ref Offs Ref Offs 10 B/div Ref Offs 20 B/div Ref Offs 300 B/div Ref Offs 400 B/div Ref Offs 500 B/div Ref Offs 6 B/div Ref Offs 10 B/div Ref Offs 200 B/div 1 3 N 1 4 5 6	- Swept SA - So Ω AC - So Ω AC - PNO: Wide - IFGain:Low - et 1.96 dB - 00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)	Auto Tun Center Fre: 2.466000000 GH Start Fre: 2.466000000 GH Stop Fre: 2.466000000 GH CF Step 1.000000 MH Auto Auto Freq Offsee
Ref Offs Ref Offs Center Freq 2.46 Ref Offs Center Freq 2.46 Offs Offs </td <td>- Swept SA - So Ω AC - So Ω AC - PNO: Wide - IFGain:Low - et 1.96 dB - 00 dBm </td> <td>SENSE:INT Trig: Free Run #Atten: 40 dB</td> <td>T 2466MHz Ant2</td> <td>04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)</td> <td>Auto Tun Center Free 2.46600000 GH Start Free 2.46600000 GH Stop Free 2.46600000 GH CF Step 1.00000 MH</td>	- Swept SA - So Ω AC - So Ω AC - PNO: Wide - IFGain:Low - et 1.96 dB - 00 dBm	SENSE:INT Trig: Free Run #Atten: 40 dB	T 2466MHz Ant2	04:45:00 PM Jan 17, 2025 TRACE [12:3 4:5 6 TYPET PINNINN Mkr1 1.380 ms -19.88 dBm (11000 ms (10001 pts)	Auto Tun Center Free 2.46600000 GH Start Free 2.46600000 GH Stop Free 2.46600000 GH CF Step 1.00000 MH

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4.0 Technical Details

4.1 Summary of test results

Standard	Test Type	Result	Notes
CC Part 15, Paragraph15.203	Antenna Requirement	Pass	Complies
CC Part 15, Paragraph15.207	Conducted Emission Test	Pass	Complies
	Spectrum bandwidth of a	Pass	Complies
FCC Part 15 Subpart C	Orthogonal Frequency		
Paragraph 15.247(a)(2) Limit	Division Multiplex System		
r aragraph 13.247(a)(2) Linnt	Limit: 6dB		
	bandwidth>500kHz		
FCC Part 15, Paragraph	Maximum peak output	Pass	
15.247(b)	power		Complies
15.247(0)	Limit: max. 30dBm		
FCC Part 15, Paragraph	Transmitter Radiated	Pass	Complies
15.109,15.205 & 15.209	Emission		
	Limit: Table 15.209		
FCC Part 15, Paragraph	Power Spectral Density	Pass	Complies
15.247(e)	Limit: max. 8dBm/3kHz		
FCC Part 15, Paragraph	Out of Band Emission and	Pass	Complies
15.247(d)	Restricted Band		
	Radiation		
	Limit: 20dB less than		
	peak value of fundamental		
	frequency		
	Restricted band limit:		
	Table 15.209		

4.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

5.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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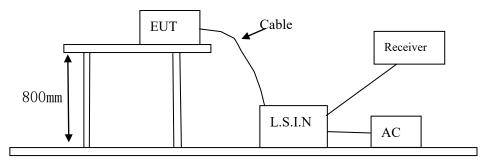
6.0 Power Line Conducted Emission Test 6.1 Schematics of the test AC Mains ← L. I. S. N EUT ←



Test Method and test Procedure The EUT was tested according to ANSI C63.10-2013.The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V, 60Hz

Block diagram of Test setup



6.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
Remote Control	DMR Technologies	Agri-Pro H20, Agri-Pro	2BM3J-H20

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	FCC ID/DOC	Cable
Power	Xiaomi	MDY-12-EF		Input: 100-240V~, 50/60Hz, 1.7A;
Supply				Output: DC5V, 3A;
				5-20A; 6.2- 3.25A(67W Max)

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6.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

6.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB µ V)				
(MHz)	Qua i-peak Level	Average Level			
$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*			
$0.50~\sim~5.00$	56.0	46.0			
$5.00 \sim 30.00$	60.0	50.0			

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

6.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

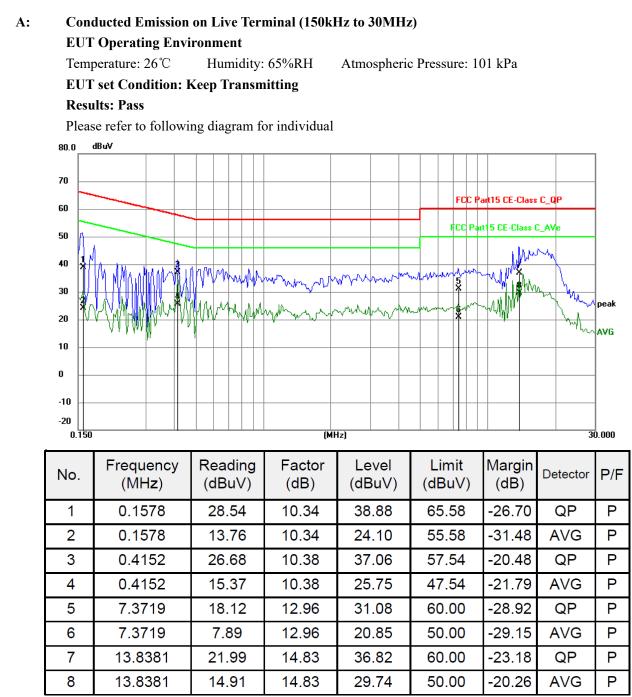
Note: Only the worst case was recorded in the test report.

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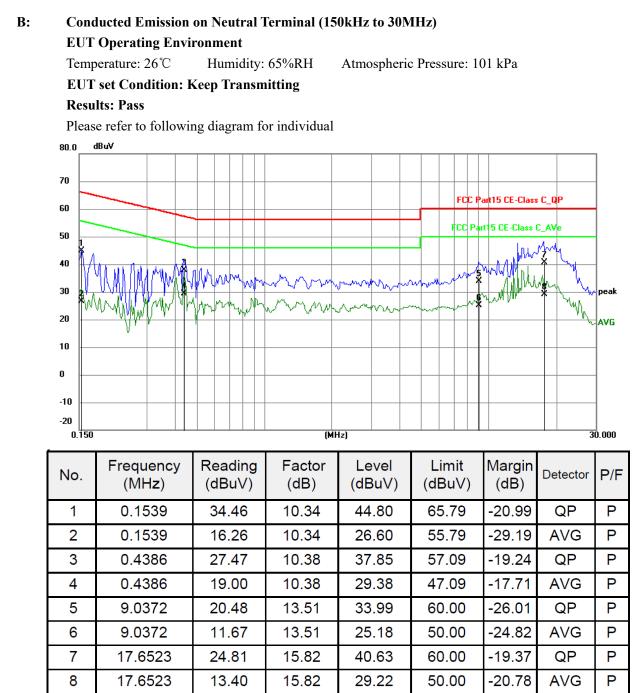




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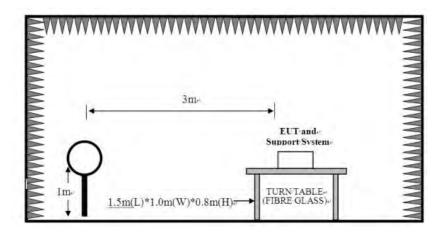


7 Radiated Emission Test

- 7.1 Test Method and test Procedure:
- The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. F For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "**QP**" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

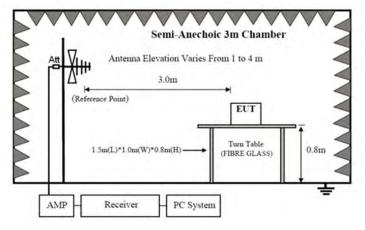


The report refers only to the sample tested and does not apply to the bulk.

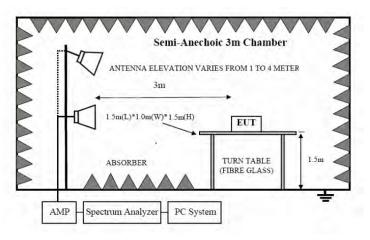
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 7.2 Configuration of The EUT Same as section 5.3 of this report
- 7.3 EUT Operating ConditionSame as section 5.4 of this report.
- Radiated Emission Limit
 All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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1	1			
Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)		
0.009-0.049	3	20log(2400/F(kHz)) +40log (300/3)		
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)		
1.705-30	3	69.5		
30-88	3	40.0		
88-216	3	43.5		
216-960	3	46.0		
Above 960	3	54.0		

Frequencies in restricted band are complied to limit on Paragraph 15.209

Note: 1. RF Voltage $(dBuV) = 20 \log RF$ Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.

6. Batteries were fully charged during test.

7. MIMO mode was tested and it was the worst case

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Test result General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

Pass

EUT set Condition: Keep Transmitting

Results:

FCC_FCC Part 15C Class B 30MHz-1GHz 60 50 40 м1 Level (dBuV/m) M2 30 20 10 0.0-100 600 50 400 800 1000 200 Frequency (MHz)

No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	61.032	28.69	-5.51	40.0	11.31	Peak	15.00	100	Horizontal	Pass
2	106.126	26.13	-6.16	43.5	17.37	Peak	281.00	100	Horizontal	Pass
3	322.139	34.56	-3.76	46.0	11.44	Peak	28.00	100	Horizontal	Pass
4*	412.916	43.43	-1.29	46.0	2.57	QP	252.00	138	Horizontal	Pass
5*	438.490	40.94	-0.94	46.0	5.06	QP	126.00	107	Horizontal	Pass
6	959.755	38.59	5.25	46.0	7.41	Peak	207.00	100	Horizontal	Pass

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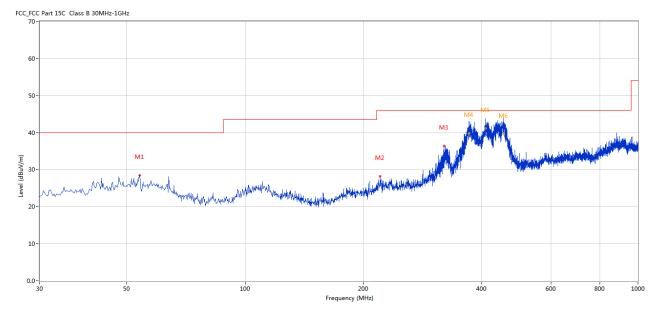
Test result General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Transmitting

Results:

Pass



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	54.002	28.49	-5.20	40.0	11.51	Peak	43.00	100	Vertical	Pass
2	220.800	28.21	-6.18	46.0	17.79	Peak	0.00	100	Vertical	Pass
3	320.685	36.41	-3.85	46.0	9.59	Peak	92.00	100	Vertical	Pass
4*	371.799	39.83	-1.79	46.0	6.17	QP	60.00	113	Vertical	Pass
5*	409.861	41.10	-1.06	46.0	4.90	QP	24.00	193	Vertical	Pass
6*	454.972	39.56	-0.98	46.0	6.44	QP	232.00	120	Vertical	Pass

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Operation Mode: Transmitting under 2411MHz

Frequency (MHz)	Level@3m (dB µ V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
4822.00	62.6 (PK) / 45.3 (AV)	Н	74(Peak)/ 54(AV)
4822.00	57.5 (PK) / 42.1 (AV)	V	74(Peak)/ 54(AV)
7233.00		H/V	74(Peak)/ 54(AV)
9644.00		H/V	74(Peak)/ 54(AV)
12055		H/V	74(Peak)/ 54(AV)
14466		H/V	74(Peak)/ 54(AV)
16877		H/V	74(Peak)/ 54(AV)
19288		H/V	74(Peak)/ 54(AV)
21699		H/V	74(Peak)/ 54(AV)
24110		H/V	74(Peak)/ 54(AV)

Operation Mode: Transmitting under 2433MHz

Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
4866.00	61.8 (PK)/ 44.7 (AV)	Н	74(Peak)/ 54(AV)
4866.00	55.3 (PK)/ 41.2 (AV)	V	74(Peak)/ 54(AV)
7299.00		H/V	74(Peak)/ 54(AV)
9732.00		H/V	74(Peak)/ 54(AV)
12165		H/V	74(Peak)/ 54(AV)
14598		H/V	74(Peak)/ 54(AV)
17031		H/V	74(Peak)/ 54(AV)
19464		H/V	74(Peak)/ 54(AV)
21897		H/V	74(Peak)/ 54(AV)
24330		H/V	74(Peak)/ 54(AV)

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Frequency (MHz)	Level@3m (dB μ V/m)	Antenna Polarity	Limit@3m (dB µ V/m)
4932	63.1 (PK)/ 45.8 (AV)	Н	74(Peak)/ 54(AV)
4932	57.9 (PK)/ 42.6 (AV)	V	74(Peak)/ 54(AV)
7398		H/V	74(Peak)/ 54(AV)
9864		H/V	74(Peak)/ 54(AV)
12330		H/V	74(Peak)/ 54(AV)
14796		H/V	74(Peak)/ 54(AV)
17262		H/V	74(Peak)/ 54(AV)
19728		H/V	74(Peak)/ 54(AV)
22194		H/V	74(Peak)/ 54(AV)
24660		H/V	74(Peak)/ 54(AV)

Operation Mode: Transmitting under 2466MHz

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark "---" means that the emissions level is too low to be measured

- 3. 10M Bandwidth is the worst case
- 4. For radiated Emissions from 18-25GHz and below 30MHz, it is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
- 5. Note: the final peak measurement results less than the AV limit. No necessary to take down the final AV measurement result

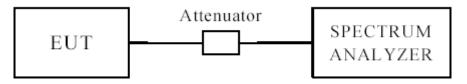
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8.0 6dB Bandwidth Measurement 8.1 Test Setup



8.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

8.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 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) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

8.4 Test Result

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6dB Occupied Bandwidth

10M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
		2411		9.431	0.5	Pass
		2433	Ant1	9.403	0.5	Pass
NVNT		2466		9.487	0.5	Pass
INVINI	-	2411		9.212	0.5	Pass
		2433	Ant2	9.422	0.5	Pass
		2466		9.457	0.5	Pass

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		Test Graphs			
	-6dB Band	width NVNT 2411	MHz Ant1		
Agilent Spectrum Analyzer - Occupied By					
RL RF 50 Ω AC Center Freq 2.411000000	GHz Center	SENSE:INT r Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	ALIGN AUTO d: 100/100	02:49:19 PM Jan 10, 2025 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 1.93 dE 10 dB/div Ref 21.93 dBm	3		Mkr3	2.415711 GH: 0.091983 dBm	
11.9	2	↓ ↓ ↓ 3			Center Freq
-8.07					2.411000000 GHz
-18.1			ntt.		
-38.1				have the the the terms and	4
-68.1					
Center 2.411 GHz #Res BW 100 kHz	#	VBW 300 kHz		Span 30 MH Sweep 3.333 ms	
Occupied Bandwidtl		Total Power	21.6	dBm	Auto Man
9.:	3660 MHz				Freq Offset
Transmit Freq Error	-4.549 kHz	OBW Power	99	.00 %	0 Hz
MSG					
	-6dB Band	width NVNT 2433	status MHz Ant 1		
Aeilent Spectrum Analyzer - Occupied BV		width NVNT 2433			L
X/RL RF 50Ω AC	GHz Center GHz Trig: F	SENSE:INT r Freq: 2.433000000 GHz ree Run Avg Hol		02:52:15 PM Jan 10, 2025 Radio Std: None	Frequency
RL RF 50 Ω AC Center Freq 2.433000000 Ref Offset 1.95 dE Ref Offset 1.95 dE 10 dB/div Ref 21.95 dBm	M GHz Center #IFGain:Low #Atten 3	SENSE:INT	MHz Ant 1 ALIGN AUTO d: 100/100	02:52:15 PM Jan 10, 2025	Frequency
X RL RF 50 Ω AC Center Freq 2.433000000 Ref Offset 1.95 dE	W GHz Cente Trig:F #IFGain:Low #Atten	SENSE:INT r Freq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant 1 ALIGN AUTO d: 100/100	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2	Center Freq
RL RF 50 Ω AC Center Freq 2.433000000 Ref 0ffset 1.95 dE Ref 0ffset 1.95 dE 10 dB/div Ref 21.95 dBm Log 12.0	M GHz Center #IFGain:Low #Atten 3	SENSE:INT r Freq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant 1 ALIGN AUTO d: 100/100	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2	Center Freq
RL RF 50 g Ac Center Freq 2.433000000 Ref 0ffset 1.95 dB Ref 21.95 dBm Log 10 dB/div Ref 21.95 dBm 12.0 1.95 6.05 1.95 6.05 6.05 18.1 28.1 6.05	GHz Cente #IFGain:Low #Atten	SENSE:INT r Freq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant1 ALIGNAUTO d: 100/100 Mkr3	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2 -0.76062 dBm	Center Freq
RL RF 50 Ω AC Center Freq 2.433000000 Ref 0ffset 1.95 dE Ref 0ffset 1.95 dE 10 dB/div Ref 21.95 dBm 10 dBm Log 12.0 1.95 1.95 1.95 1.95 1.95 1.95 -8.05 -18.1 -28.1 -1.95	GHz Cente #IFGain:Low #Atten	SENSE:INT r Freq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant1 ALIGNAUTO d: 100/100 Mkr3	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2	Frequency
XI RF 50.0 AC Center Freq 2.433000000 Ref 0ffset 1.95 dB Ref 21.95 dBm Log 10 dB/div Ref 21.95 dBm 10 dBm Log 12.0 1.95 1.95 1.95 1.95	GHz Cente #IFGain:Low #Atten	SENSE:INT r Freq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant1 ALIGNAUTO d: 100/100 Mkr3	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2 -0.76062 dBm	Center Freq 2.433000000 GHz
M RF 50.9 AC Center Freq 2.433000000 Ref Offset 1.95 dE Ref Offset 1.95 dE 10 dB/div Ref 21.95 dBm 120 12.0 1.95 1.95 12.0 1.95 1.95 1.95 1.95 1.95 605 1.95 1.95 -18.1 1.95 1.95 -38.1 1.95 1.95 -68.1 1.95 1.95	GHz Center Trig: F #IFGain:Low #Atten	SENSE:INT r Freq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant1 ALIGNAUTO d: 100/100 Mkr3	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2 -0.76062 dBm	Center Freq 2.433000000 GHz CF Step 3.000000 MHz
Ref 50 g AC Center Freq 2.433000000 Ref Offset 1.95 dB Log Ref Offset 1.95 dB 10 dB/div Ref 21.95 dB 12 0 1.95 12 0 1.95 18 0 1.95 -8.05 1.95 -18.1 1.95 -8.1 1.95	GHZ Center #IFGain:Low #Atten	SENSE.INT	MHz Ant1 ALIGNAUTO d: 100/100 Mkr3	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GH2 -0.76062 dBm	Center Freq 2.433000000 GHz 2.433000000 GHz 3.000000 MHz <u>Auto</u> Man
Ref 50 g AC Center Freq 2.433000000 Ref Offset 1.95 dB Log Ref Offset 1.95 dB 10 dB/div Ref 21.95 dB 12 0 1.95 12 0 1.95 18 0 1.95 -8.05 1.95 -18.1 1.95 -8.1 1.95	M GHz #IFGain:Low Center Trig: F #Atten 3 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hol : 40 dB	MHz Ant1 ALIGNAUTO d: 100/100 Mkr3	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GHz -0.76062 dBm -0.76062 dBm -0.776062 dBm -0.7760700000000000000000000000000000000	Center Freq 2.433000000 GHz CF Step 3.000000 MHz
10 dB/div Ref 21.95 dBm 12.0 12.0 12.0 12.0 12.0 12.0 195 12.0 8.05 12.0 -18.1 12.0 -28.1 12.0 -38.1 12.0 -68.1 12.0 -68.1 12.0 -78.1 12.0 -68.1 10.0 -78.1 10.0 -68.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -78.1 10.0 -79.1 10.0	W GHz Center Trig: F #/FGain:Low #Atten 3 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hol 40 dB VBW 300 kHz Total Power	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3 20.7 99	C2:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2,437708 GHz -0.76062 dBm NV/My/My/My/My/My/My/My/My/My/My/My/My/My/	Center Freq 2.433000000 GHz 2.433000000 GHz 3.000000 MHz Auto Man Freq Offset
Rt Rf 50.0 AC Center Freq 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm Log 10 dB/div Ref 21.95 dBm 10 12.0 1.95 10 10 12.0 1.95 10 10 1.95 10 10 10 1.95 10 10 10 1.95 10 10 10 .805 10 10 10 .805 10 10 10 .805 10 10 10 .805 10 10 10 .805 10 10 10 .801 10 10 10 .681 10 10 10 .681 10 10 10 .681 10 10 10 .681 10 10 10 .681 10 10 10 .681 10 10	W GHz Center Trig: F #/FGain:Low #Atten 3 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hol: 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3 20.7 99	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GHz -0.76062 dBm Span 30 MHz Sweep 3.333 ms dBm	Center Freq 2.433000000 GHz 2.433000000 GHz 3.000000 MHz Auto Man Freq Offset
Rel Ref 50.2 AC Center Freq 2.433000000 AC AC Center Freq 2.433000000 AC AC 10 AB/div Ref Offset 1.95 dB AC 10 AB/div Ref 21.95 dB AC 120 AC AC AC 120 AC AC	W GHz Center Trig: F #/FGain:Low #Atten 3 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hol: 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3 20.7 99	02:52:15 PM Jan 10, 2025 Radio Std: None Radio Device: BTS 2.437708 GHz -0.76062 dBm Span 30 MHz Sweep 3.333 ms dBm .00 % 00 dB	Center Freq 2.433000000 GHz 2.433000000 GHz 3.000000 MHz Auto Man

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RL	m Analyzer - Occupied I							
Senter Fro	RF 50 Ω AC eq 2.466000000		SENSE:INT Center Freq: 2.46 Trig: Free Run #Atten: 40 dB		ALIGN AUTO	Radio Std		Frequency
I0 dB/div	Ref Offset 1.97 c Ref 21.97 dBi				Mkr		173 GHz 63 dBm	
-og 12.0			1					Center Fred
1.97			main and provident and a second	there are a second				2.466000000 GH
8.03								
18.0								
28.0								
48.0	n-property logo and the second se	MAAAA			T SHOULD BE	Martin Construction of the	when the whole who	
58.0								
68.0								
Center 2.4 #Res BW			#VBW 30	0 kHz			n 30 MHz 3.333 ms	CF Step 3.000000 MH
Occup	ied Bandwid	th	Tota	l Power	22.6	ð dBm		<u>Auto</u> Mar
occup		 .4248 MH						
T				(Daws -	~	00.9/		Freq Offse 0 H
	iit Freq Error andwidth	-13.584 kł 9.487 Mł		/ Power		9.00 % 00 dB		<u>л</u>
SG		-6dB	Bandwidth N	VNT 2411N	statu: MHz Ant?			<u>t</u>
gilent Spectru R L	<mark>m Analyzer - Occupied I</mark> RF 50 Ω AC	BW	Bandwidth N			03:18:56 P	M Jan 10, 2025	Fraguency
gilent Spectru R L		BW		11000000 GHz	MHz Ant2	2	None	Frequency
gilent Spectru RL Senter Fro	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None	Frequency
gilent Spectru RL Center Fro 0 dB/div -og	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None None 105 GHz	
gilent Spectru RL Center Fro 0 dB/div .og	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None None 105 GHz	Center Free
gilent Spectru RL Center Fro O dB/div • 9 1.9 1.9 1.9	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None None 105 GHz	Center Free
gilent Spectrum RL Conter Fri 0 dB/div 0 g 11.9 1.91 1.91 1.91 1.91 1.91 1.91 1.91 1.91 1.91 1.91	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None None 105 GHz	Center Free
gilent Spectru (RL Center Fri O dB/div og 11.9 1.91 1.91 1.91 1.91 1.91 2.01 1.91 2.1	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None None 105 GHz	Center Free
Bilent Spectrum RL Conter Fri 0 dB/div 0 g 11.9 1.91 1.91 2.09 18.1 28.1	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	None None 105 GHz	Center Free
glient Spectru (1 RL) Center Fri O dB/div og 11.9 1.91 1.91 1.91 1.91 1.91 1.91 1.9	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	: None vice: BTS 95 GHz 98 dBm	Frequency Center Freq 2.411000000 GH
gilent Spectru (1 RL) Center Fri O dB/div og 11.9 1.91 1.91 1.91 28.1 28.1 48.1 48.1 48.1	RF 50 Ω AC eq 2.411000000	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155	: None vice: BTS 95 GHz 98 dBm	Center Free
glient Spectru @ RL @ Conter Fri	RF 50 Q AC eq 2.411000000 Ref Offset 1.91 c Ref Offset 1.91 c Ref 21.91 dB	BW D GHz #IFGain:Low	SENSE:INT Center Freq: 2.41 Trig: Free Run	11000000 GHz Avg Hold	MHz Ant2 Align Auto	03:18:56 P Radio Std Radio Dev 2.4155 2.02	: None vice: BTS 95 GHz 98 dBm	Center Fred 2.411000000 GH; CF Step 3.000000 MH;
gilent Spectru @ RL Center Fri 10 dB/div -og 11.9 1.91 8.09 18.1 22.1 38.1 -org 58.1 58.1 58.1 Center 2.4 Res BW	RF 50 @ AC eq 2.411000000 Ref Offset 1.91 c Ref Offset 1.91 c Ref 21.91 dBi	BW D GHZ #IFGain:Low 18 m 221 40000000000000000000000000000000000	SENSE:INT Center Freq: 2.41 Trig: Free Run #Atten: 40 dB	11000000 GHz Avg Hold	ALIGN AUTO	03:18:56 P Radio Std Radio Dev 2.4155 2.02	n 30 MHz	Center Fred 2.411000000 GH: CF Ster 3.000000 MH:
RL Center Fr	RF 50 @ AC eq 2.411000000 Ref Offset 1.91 c Ref Offset 1.91 c Ref 21.91 dBi	BW D GHz #IFGain:Low IB m 201 201 201 201 201 201 201 201 201 201	SENSE:INT Center Freq: 2.41 Trig: Free Run #Atten: 40 dB	11000000 GHz Avg Hold	ALIGN AUTO	103:18:56 P Radio Std Radio Dev 2.4155 2.02	n 30 MHz	Center Fred 2.411000000 GH: 2.411000000 GH: 3.000000 MH: 3.000000 MH: Auto Mar Freq Offse
gilent Spectru @ RL Center From 0 dB/div • 0 dB/div	RF 50 @ AC eq 2.411000000 Ref Offset 1.91 c Ref Offset 1.91 c Ref 21.91 dBi	BW D GHZ #IFGain:Low 18 m 221 40000000000000000000000000000000000	SENSE:INT Center Freq: 2.41 Trig: Free Run #Atten: 40 dB	11000000 GHz Avg Hold	MHz Ant2 ALIGNAUTO ALIGNAUTO ALIGNAUTO MKr3 ALIGNAUTO AL	103:18:56 P Radio Std Radio Dev 2.4155 2.02	n 30 MHz	Center Fred 2.411000000 GH: 2.411000000 GH: 3.000000 MH: 3.000000 MH: Auto Mar Freq Offse
gilent Spectru RL Center Fri 10 dB/div 0 g 11.9 1.91 8.09 18.1 22.1 33.1 48.1 Center 2.4 Res BW Occup Transm	RF 50 Q AC eq 2.411000000 Ref 0ffset 1.91 c Ref 0ffset 1.91 c Ref 21.91 dBi u 1 1 u	BW J GHZ #IFGain:Low HB m J J H M J H H S T H A A A A A A A A A A A A A	SENSE:INT Center Freq: 2.41 Trig: Free Run #Atten: 40 dB #UBW 30 #VBW 30 Tota Z Hz OBW	11000000 GHz Avg Hold	MHz Ant2 ALIGNAUTO ALIGNAUTO ALIGNAUTO MKr3 ALIGNAUTO AL	03:18:56 P Radio Std Radio Dev 2.4155 2.02	n 30 MHz	Center Fred 2.411000000 GH: 2.411000000 GH: 3.000000 MH: 3.000000 MH: Auto Mar Freq Offse
gilent Spectru RL Center Fri 10 dB/div 0 g 11.9 1.91 8.09 18.1 22.1 33.1 48.1 Center 2.4 Res BW Occup Transm	RF 50 Q. AC eq 2.411000000 Ref Offset 1.91 c Ref 21.91 dBi	BW D GHZ #IFGain:Low IB m -2 -1 -2 -1 -1 -1 -10.827 kł	SENSE:INT Center Freq: 2.41 Trig: Free Run #Atten: 40 dB #UBW 30 #VBW 30 Tota Z Hz OBW	11000000 GHz Avg Hold	MHz Ant2 ALIGNAUTO ALIGNAUTO ALIGNAUTO MKr3 ALIGNAUTO AL	103:18:56 P Radio Std Radio Dev 2.4155 2.02 2.02 5 dBm 5 dBm 9.00 %	n 30 MHz	Center Fred 2.411000000 GH; CF Step 3.000000 MH;

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RL Prime 0 dB/div 0 2.0 0 .04 0 .05 0 .06 0 .07 0 .08 0 .09 0 .04 0 .04 0 .04 0 .04 0 .04 0 .04 0 .04 0 .04 0 .04 0 .04 0 .04 0 .05 0 .04 0 .05 0 .04 0 .05 0 .06 0 .07 0 .08 0 .09 0 .01 0 .02 0 .03 0 .04 0 .05 0 .05	100 kHz ied Bandwidt	W I GHz Cen Trig #IFGain:Low #Att B n 2 2 2 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	SENSE:INT	ALIGNAUTO Hz Hold: 100/100 Mkr:		Center Free 2.466000000 GH
RL Prime 20 dB/div 0 0 g	Ref Offset 1.96 dBn Ref 21.96 dBn	W GHz #IFGain:Low B 0 Cen Trig #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg en: 30 dB	ALIGNAUTO BHz Hold: 100/100 Mkr	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH -0.15583 dB	Hz CF Ster 3.000000 MH
RL Principal 0 dB/div 0	Ref Offset 1.96 dl Ref 21.96 dl Ref 21.96 dl Ref 21.96 dBn	W GHz #IFGain:Low B 0 Cen Trig #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO BHz Hold: 100/100 Mkr	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH -0.15583 dB	Frequency
RL enter Fra 0 dB/div 9 d 0 dB/div 9	Ref Offset 1.96 dl Ref 21.96 dl Ref 21.96 dl Ref 21.96 dBn	W GHz #IFGain:Low B 0 Cen Trig #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO BHz Hold: 100/100 Mkr	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH -0.15583 dB	Hz m Center Free
RL enter Fre 0 dB/div 20 96 .04 .04 .04 .04	Ref Offset 1.96 dl Ref 21.96 dl Ref 21.96 dl Ref 21.96 dBn	W GHz #IFGain:Low B 0 Cen Trig #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO BHz Hold: 100/100 Mkr	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH -0.15583 dB	Hz m Center Free
RL enter Fre 0 dB/div 22.0 .96 .04 .04	RF 50 Ω AC eq 2.466000000 Ref Offset 1.96 dl	W GHz Cen #IFGain:Low #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO H2 Hold: 100/100 Mkr;	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH	Hz m Center Free
PL Planter Free D dB/div Pg 2.0 .96	RF 50 Ω AC eq 2.466000000 Ref Offset 1.96 dl	W GHz Cen #IFGain:Low #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO H2 Hold: 100/100 Mkr;	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH	Hz m Center Free
enter Fre	RF 50 Ω AC eq 2.466000000 Ref Offset 1.96 dl	W GHz Cen #IFGain:Low #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO H2 Hold: 100/100 Mkr;	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH	Hz m
RL enter Fro	RF 50 Ω AC eq 2.466000000 Ref Offset 1.96 dl	W GHz Cen #IFGain:Low #Att B	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGNAUTO GHZ [Hold: 100/100	03:24:43 PM Jan 10, 20 Radio Std: None Radio Device: BTS 3 2.470722 GH	Frequency
RL	RF 50 Ω AC	w I GHz Cen ∓∓∓ Trig	SENSE:INT Iter Freq: 2.466000000 G I: Free Run Avg	ALIGN AUTO	03:24:43 PM Jan 10, 20 Radio Std: None	Frequency
		W				225
			$10 \times 10^{11} \times 10^{11} \times 10^{11} \times 10^{11}$	66MHz Ant	2	
G		-6dB Bar	ndwidth NVNT 24	STAT		
_				1		
x dB Ba	ndwidth	9.422 MHz	x dB	-6	5.00 dB	
Transm	J. it Freq Error	8.740 kHz	OBW Power	. g	9.00 %	Freq Offse 0 H
Occup	ied Bandwidt Q	^h 3719 MHz	Total Power	21.	.7 dBm	<u>Auto</u> Ma
enter 2.4 Res BW			#VBW 300 kHz		Span 30 MI Sweep 3.333 r	ms CF Ste 3.000000 MH
3.1	22 CH-				Spon 20 M	
3.1 						
3.1	hallouter and a few for the second of the	With Water		hardenser	Wester Marine Marine Marine	
3.1						
.94		Anderson				2.433000000 GH
og 1.9		2		3		Center Fre
) dB/div	Ref Offset 1.94 dl Ref 21.94 dBn			Mk	r3 2.43772 GH -0.32128 dB	
		Trig	iter Freq: 2.433000000 G j: Free Run Avgj ren: 30 dB	Hold: 100/100	Radio Std: None Radio Device: BTS	
enter Fre	eq 2.43300000	Cen Cen	SENSE:INT	ALIGN AUTO		Frequency

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20M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
		2411		18.70	0.5	Pass
		2433	Ant1	18.84	0.5	Pass
		2466		18.84	0.5	Pass
NVNT	-	2411		18.63	0.5	Pass
		2433	Ant2	18.78	0.5	Pass
		2466		18.91	0.5	Pass

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			Test Graphs				
		-6dB Band	width NVNI 2411	MHZ Ant I			
	Analyzer - Occupied BW RF 50 Ω AC		SENSE:INT	ALIGN AUTO	03:55:11 PM	lan 10, 2025	
	q 2.411000000	GHz Cente	r Freq: 2.411000000 GHz	d: 100/100	Radio Std: N		Frequency
			: 40 dB	. 100/100	Radio Devid	e: BTS	
	Ref Offset 1.93 dB			Mkr3	2.42033		
I0 dB/div	Ref 21.93 dBm				-4.655	1 dBm	
11.9			1				Center Fred
1.93	- Pretro all pretro	La fa Agazzat manalana ala da batala sera lar	and the second of the second second	hilestonation and an and	3 ───		2.411000000 GHz
8.07					1		
18.1	1				1		
28.1 38.1							
48.1 WWWWWWW	Alabahan				(millioner)	and for more	
58.1							
58.1							
Center 2.41	11 GHz				Span	30 MHz	
Res BW 1		#	VBW 300 kHz		Sweep 3		CF Step 3.000000 MH;
Occupie	ed Bandwidth	1	Total Power	21.2	dBm		<u>Auto</u> Mar
		.659 MHz					
T				~~	00.9/		Freq Offsei 0 Hz
	Freq Error	-14.051 kHz	OBW Power		.00 %		0112
x dB Bar	ndwidth	18.70 MHz	x dB	-6.0	00 dB		
SG		-6dB Band	width NVNT 2433	status MHz Ant 1			
gilent Spectrum	Analyzer - Occupied BW	/		MHz Ant 1			
gilent Spectrum / RL	Analyzer - Occupied BW RF 50 Ω AC q 2.433000000	GHz Cente	SENSE:INT	MHz Ant1	03:58:19 PM Radio Std: N		Frequency
gilent Spectrum R L	RF 50 Ω AC	GHz Cente	SENSE:INT	MHz Ant 1		lone	Frequency
gilent Spectrum RL Center Fred	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB	GHz HIFGain:Low #Atten	SENSE:INT r Freq: 2.433000000 GHz ree Run Avg Hold	MHz Ant 1 Align Auto d: 100/100	Radio Std: N Radio Devic 3 2.4424	lone e: BTS 6 GHz	Frequency
gilent Spectrum (RL Center Fred 0 dB/div -99	RF 50 Ω AC q 2.433000000	GHz HIFGain:Low #Atten	SENSE:INT r Freq: 2.433000000 GHz ree Run Avg Hold	MHz Ant 1 Align Auto d: 100/100	Radio Std: N Radio Devic 3 2.4424	lone e: BTS	Frequency
glient Spectrum a RL Center Free 0 dB/div -og 12.0	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz	Center Free
gilent Spectrum (RL Center Freu 0 dB/div -og 12.0 1.95	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT r Freq: 2.433000000 GHz ree Run Avg Hold	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424	lone e: BTS 6 GHz	Center Free
gilent Spectrum (RL) Center Freu 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz	Center Free
gilent Spectrum @ RL Center Freq 0 dB/div 0 20 0 1.95 1.95 18.1	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz	Center Free
gilent Spectrum glent Spectrum	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz	Center Free
gilent Spectrum @ RL Center Freu 0 dB/div 0 g 12.0 1.95 8.05 8.05 8.1 28.1 38.1 48.1	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz 7 dBm	Center Free
0 RL 2enter Fred 0 dB/div -og 12.0 1.5 8.05 18.1 -28.1 -38.1	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz 7 dBm	Frequency Center Freq 2.43300000 GHz
gilent Spectrum @ RL Center Free 10 dB/div 0 g 12.0 12.0 12.0 136.1 28.1 38.1 46.1 56.1	RF 50 Ω AC q 2.433000000 Ref Offset 1.95 dB Ref 21.95 dBm	/ GHz Cente #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB	MHz Ant1 ALIGN AUTO d: 100/100 Mkr3	Radio Std: N Radio Devic 3 2.4424 -4.877	lone e: BTS 6 GHz 7 dBm	Center Free
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gilent Spectrum RL 2enter Free 10 dB/div - 9 12.0	Ref 0ffset 1.95 dB Ref 21.95 dBm 2 2 33 GHz 00 kHz ed Bandwidth 18	GHz Cente Trig: F #IFGain:Low #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold Avg	MHz Ant1 ALIGN AUTO ALIGN AUTO MKr3 ALIGN AUTO 20.8	Radio Std: N Radio Devic 3 2.4424 -4.877 3 3 3 3 5 5 9 3 5 9 5 9 3 5 9 5 9 3 5 9 5 9	e: BTS 6 GHz 7 dBm 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Center Frec 2.433000000 GH2 2.43300000 GH2 3.00000 MH3 3.00000 MH3 Auto Mar Freq Offset
gilent Spectrum RL Center Free 0 dB/div 0	Ref 0ffset 1.95 dB Ref 21.95 dBm	GHz Cente Trig: F #Atten	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB 	MHz Ant1 ALIGN AUTO ALIGN AUTO MKr3 ALIGN AUTO 20.8	Radio Std: N Radio Devic 3 2.4424 -4.877 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e: BTS 6 GHz 7 dBm 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Center Frec 2.43300000 GHz 2.43300000 GHz 3.00000 MHz 3.00000 MHz <u>Auto</u> Mar
gilent Spectrum RL Center Free 0 dB/div 0	Ref Offset 1.95 dB Ref 21.95 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	GHz Cente Trig: F #IFGain:Low #Atten #Atten #Atten .705 MHz	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold Avg	MHz Ant1 ALIGNAUTO ALIGNAUTO Mkr3 20.8 99	Radio Std: N Radio Devic 3 2.4424 -4.877 3 3 3 3 5 5 9 3 5 9 5 9 3 5 9 5 9 3 5 9 5 9	e: BTS 6 GHz 7 dBm 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Center Free 2.43300000 GH 2.43300000 GH 2.43300000 GH 3.00000 MH 3.00000 MH Auto Mar Freq Offse
glient Spectrum RL Center Free 0 dB/div 0 dB/div 120 120 120 120 130 141 152 152 152 152 152 153 154 155 155 161 155 161 162 163 164 165 163 164 165 165 166 167 168 168 168 168 168 168 168 168 168 170 170 170 170 170 170 170 170	Ref Offset 1.95 dB Ref 21.95 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	GHz Cente Trig: F #Atten Cente Trig: F #Atten Cente Trig: F #Atten #A	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant1 ALIGNAUTO ALIGNAUTO Mkr3 20.8 99	Radio Std: N Radio Devic 2.4424 -4.877 3 3 3 3 3 5 5 9 3 5 9 6 8 9 6 8 9 6 8 9 6 8 9 8 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	e: BTS 6 GHz 7 dBm 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Center Free 2.43300000 GH 2.43300000 GH 2.43300000 GH CF Step 3.00000 MH Auto Mar Freq Offse
0 dB/div 9 dB/d	Ref Offset 1.95 dB Ref 21.95 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	GHz Cente Trig: F #Atten Cente Trig: F #Atten Cente Trig: F #Atten #A	SENSE:INT FFreq: 2.43300000 GHz ree Run Avg Hold : 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant1 ALIGNAUTO ALIGNAUTO Mkr3 20.8 99	Radio Std: N Radio Devic 2.4424 -4.877 3 3 3 3 3 5 5 9 3 5 9 6 8 9 6 8 9 6 8 9 6 8 9 8 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	e: BTS 6 GHz 7 dBm 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Center Free 2.43300000 GH 2.43300000 GH 2.43300000 GH CF Step 3.00000 MH Auto Mar Freq Offse

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	Analyzer - Occupied B	W				
	RF 50 Ω AC	GH7 Cente	SENSE:INT r Freq: 2.466000000 GHz	Radio S	17 PM Jan 10, 2025 Std: None	Frequency
		Trig: F	ree Run Avg Hol :40 dB	ld: 100/100 Radio I	Device: BTS	
`	Ref Offset 1.97 dE			Mkr3 2.47	5429 GHz	
0 dB/div	Ref 21.97 dBm			-1.9	9078 dBm	
.og 12.0						Center Free
1.97	2 Paristin	Harty Sound Mary South State Street	town warm langer of the part of the part	1		2.466000000 GH
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18.0	- M					
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18.0	Mar and the			174	Manuripently Materia type	
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8.0						
enter 2.4	66 GHz			S	pan 30 MHz	
Res BW 1		#	VBW 300 kHz		p 3.333 ms	CF Ste 3.000000 MH
Occupi	ed Bandwidt	h	Total Power	23.0 dBm		<u>Auto</u> Ma
		 8.708 MHz				– – – –
_ .				~~~~~		Freq Offse 0 H
x dB Ba	t Freq Error	10.737 kHz 18.84 MHz	OBW Power x dB	99.00 % -6.00 dB		
		-6dB Band	width NVNT 2411	STATUS MHz Ant2		
jilent Spectrum	Analyzer - Occupied BV	W		MHz Ant2	54 DM 120 10, 2025	
<mark>gilent Spectrum</mark> R L	1 Analyzer - Occupied BV RF 50 Ω AC q 2.411000000	W GHz Cente Trig:F	SENSE:INT r Freq: 2.411000000 GHz ree Run Avg Hol	MHz Ant2 ALIGNAUTO 04:19: Radio 5 id: 100/100	54 PM Jan 10, 2025 Std: None	Frequency
rilent Spectrum RL enter Fre	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz Cente #IFGain:Low #Atten 3	SENSE:INT	MHz Ant2	Std: None Device: BTS 0274 GHz	Frequency
gilent Spectrum RL enter Fre	RF 50 Ω AC q 2.411000000	W GHz Cente #IFGain:Low #Atten 3	SENSE:INT r Freq: 2.411000000 GHz ree Run Avg Hol	MHz Ant2	Std: None Device: BTS	Frequency
o dB/div	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz #IFGain:Low Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2	Std: None Device: BTS 0274 GHz	Center Free
o dB/div	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz Cente #IFGain:Low #Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2	Std: None Device: BTS 0274 GHz	Center Free
RL RL O dB/div og 1.9 91 0.09	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz #IFGain:Low Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2 ALIGNAUTO 04:19: Radio 1 Radio 1 Mkr3 2.42 -3.2	Std: None Device: BTS 0274 GHz	Center Free
Bilent Spectrum RL enter Fre 0 dB/div og 1.9 91 .09 8.1	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz #IFGain:Low Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2 ALIGNAUTO 04:19: Radio 1 Radio 1 Mkr3 2.42 -3.2	Std: None Device: BTS 0274 GHz	Center Free
ilent Spectrum RL OdB/div og 1.9 .91 .09 8.1 8.1	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz #IFGain:Low Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2 ALIGNAUTO 04:19: Radio 1 Radio 1 Mkr3 2.42 -3.2	Std: None Device: BTS 0274 GHz	Center Free
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Bilent Spectrum RL enter Fre 0 dB/div og 1.9 .91 .09 .81 .81 .81 .81 .81 .81 .81 .81	RF 50 Ω AC q 2.411000000 Ref Offset 1.91 dE	W GHz #IFGain:Low Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2 ALIGNAUTO 04:19: Radio 1 Radio 1 Mkr3 2.42 -3.2	Std: None Device: BTS 0274 GHz	Center Free
Billent Spectrum RL enter Fre 0 dB/div 9 11.9 13.09 8.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1	RF 50 Ω AC q 2.411000000 Ref 0ffset 1.91 dB Ref 21.91 dBm 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2	W GHz #IFGain:Low Atten 3	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2	Std: None Device: BTS 0274 GHz 2779 dBm	Center Free
gilent Spectrum RL enter Fre od B/div og 11.9 1.91 <t< td=""><td>RF 50 9 AC q 2.411000000 Ref Offset 1.91 db Ref 21.91 dbm 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4</td><td>W GHz #IFGain:Low Atten 3 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB</td><td>MHz Ant2</td><td>Std: None Device: BTS 0274 GHz</td><td>Center Free 2.41100000 GH CF Ster 3.00000 MH</td></t<>	RF 50 9 AC q 2.411000000 Ref Offset 1.91 db Ref 21.91 dbm 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	W GHz #IFGain:Low Atten 3 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol : 40 dB	MHz Ant2	Std: None Device: BTS 0274 GHz	Center Free 2.41100000 GH CF Ster 3.00000 MH
gilent Spectrum RL enter Fre 0 dB/div 9 11.9 .91 .91 .82 .81 .82 .83 .84 .85 .86 .86 .8	RF 50 9 AC q 2.411000000 Ref Offset 1.91 db Ref 21.91 dbm 2 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4	#IFGain:Low #Atten	SENSE:INT	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Free 2.411000000 GH CF Step
Bilent Spectrum RL Center Fre 0 dB/div 0 g 11.9 1.91 3.09 8.1 8.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1 58.1	Ref Offset 1.91 dE Ref 21.91 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	#IFGain:Low #Atten	SENSE:INT FFreq: 2.41100000 GHz ree Run Avg Hol 40 dB	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Fred 2.411000000 GH 2.411000000 GH CF Step 3.000000 MH <u>Auto</u> Mar
0 dB/div 9 0 dB/div 9 0 11.9 1 1.9	Ref Offset 1.91 dB Ref 21.91 dBm 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	W GHZ Cente Trig: F #Atten 3 1 4 5 6 6 6 6 6 7 4 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol 40 dB	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Free 2.41100000 GH CF Ster 3.00000 MH
Bilent Spectrum RL enter Fre 0 dB/div 9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 12.1 13.1 14.1 15.1 15.1 16.1 17.9 18.1 19.1 <td< td=""><td>Ref Offset 1.91 dE Ref 21.91 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</td><td>M GHz #IFGain:Low #Atten 3 1 #Atten 3 1 #Atten 4 ##Atten</td><td>SENSE:INT FFreq: 2.411000000 GHz ree Run Avg[Hol 40 dB VBW 300 kHz Total Power OBW Power</td><td>MHz Ant2</td><td>Std: None Device: BTS 2779 dBm</td><td>Center Fred 2.411000000 GH 2.411000000 GH 3.000000 MH <u>Auto</u>Man Freq Offse</td></td<>	Ref Offset 1.91 dE Ref 21.91 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	M GHz #IFGain:Low #Atten 3 1 #Atten 3 1 #Atten 4 ##Atten	SENSE:INT FFreq: 2.411000000 GHz ree Run Avg[Hol 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Fred 2.411000000 GH 2.411000000 GH 3.000000 MH <u>Auto</u> Man Freq Offse
Bill Bill RL Image: second s	Ref Offset 1.91 dE Ref 21.91 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	W GHZ Cente Trig: F #Atten 3 1 4 5 6 6 6 6 6 7 4 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	SENSE:INT F Freq: 2.411000000 GHz ree Run Avg Hol 40 dB	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Fred 2.411000000 GH 2.411000000 GH 3.000000 MH <u>Auto</u> Man Freq Offse
	Ref Offset 1.91 dE Ref 21.91 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	M GHz #IFGain:Low #Atten 3 1 #Atten 3 1 #Atten 4 ##Atten	SENSE:INT FFreq: 2.411000000 GHz ree Run Avg[Hol 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Fre 2.411000000 GH 3.000000 MH <u>Auto</u> Ma Freq Offse
RL 0 dB/div 0 div	Ref Offset 1.91 dE Ref 21.91 dBm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	M GHz #IFGain:Low #Atten 3 1 #Atten 3 1 #Atten 4 ##Atten	SENSE:INT FFreq: 2.411000000 GHz ree Run Avg[Hol 40 dB VBW 300 kHz Total Power OBW Power	MHz Ant2	Std: None Device: BTS 2779 dBm	Center Fre 2.411000000 GH 2.411000000 GH 3.000000 MH <u>Auto</u> Ma Freq Offse

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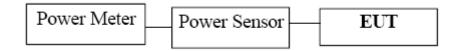


	n Analyzer - Occupied B						
	RF 50 Ω AC C 2.433000000	GHz Cente	r Freq: 2.433000000 GHz	ALIGN AUTO	04:22:29 PM Ja Radio Std: No Radio Device	one	Frequency
0 dB/div	Ref Offset 1.94 dE Ref 21.94 dBm	3		Mkr	3 2.4424 -0.40170		
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enter 2.4 Res BW 1		#	VBW 300 kHz		Span 3 Sweep 3.	30 MHz 333 ms	CF Ster 3.000000 MH
Occupi	ed Bandwidtl	h	Total Power	21.4	dBm		<u>Auto</u> Mai
		720 MHz				ſ	F 07
Tranami			OBW Power	00	00.9/		Freq Offse 0 H
x dB Ba	t Freq Error	47.904 kHz 18.78 MHz	ович Fower xdB		.00 % 00 dB		
		(dD Daw)	: 44 NIVNIT 24//	STATUS			
gilent Spectrun	n Analyzer - Occupied BV	N	width NVNT 2466	6MHz Ant2			
gilent Spectrun R L	n Analyzer - Οccupied B\ RF 50 Ω AC q 2.466000000	GHz Cente	SENSE:INT	5MHz Ant2	04:25:37 PM Ja Radio Std: No Radio Device	one	Frequency
rilent Spectrun RL RL RL RL RL RL RL RL RL RL RL RL RL	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dE	GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.466000000 GHz ree Run Avg Hol	MHz Ant2 Align Auto Id: 100/100	04:25:37 PM Ja Radio Std: No	one BTS 5 GHz	Frequency
gilent Spectrun RL enter Fre	RF 50Ω AC cq 2.466000000	W GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.466000000 GHz ree Run Avg Hol	MHz Ant2 Align Auto Id: 100/100	04:25:37 PM Ja Radio Std: No Radio Device 3 2.4754	one BTS 5 GHz	
o dB/div	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dE	M GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.466000000 GHz ree Run Avg Hol	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: No Radio Device 3 2.4754	one BTS 5 GHz	Center Free
cilent Spectrum RL Conter Free Conter Free	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm ABm	M GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: No Radio Device 3 2.4754 -3.1564	one BTS 5 GHz	Center Free
Context Spectrum RL Context Free Context Spectrum Context Spec	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm A A	M GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: No Radio Device 3 2.4754 -3.1564	one BTS 5 GHz	Center Free
Bilent Spectrum RL enter Free 0 dB/div 0 g 2.0 .96 .04 .04 .04 .04	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm A A	M GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564	er BTS 5 GHz dBm	Center Free
Control Control <t< td=""><td>RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm A A</td><td>M GHz Cente #IFGain:Low #Atter</td><td>SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB</td><td>iMHz Ant2 alignauto Id: 100/100 Mkr</td><td>04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564</td><td>one BTS 5 GHz</td><td>Center Free</td></t<>	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm A A	M GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564	one BTS 5 GHz	Center Free
Bilent Spectrum RL enter Free 0 dB/div 0 g 2.0 96 80 80 80 80 80 80 80 80	RF 50 Ω AC Q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm A A	M GHz Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564	er BTS 5 GHz dBm	Center Free
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gilent Spectrun RL enter Fre 0 dB/div 0 g 12.0 1.96 3.04 8.0 8.0 8.0 8.0 6.0 6.0 9.0 1.96 3.04 8.0 9.0	RF 50 2 AC q 2.466000000 Ref Offset 1.96 dB Ref 21.96 dBm (1.96 dbm) (1.96 dbm) (1.9	GHZ Cente #IFGain:Low #Atter	SENSE:INT r Freq: 2.46600000 GHz ree Run Avg Hol : 30 dB	iMHz Ant2 alignauto Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.4754 -3.1564	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH 2.46600000 GH
Gilent Spectrum RL enter Fre 0 dB/div 0 g 12.0 1.96 3.04 8.0 8.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 99.0 90.0 91.0 92.0 93.0 93.0 94.0 95.0 95.0 96.0 97.0 98.0 98.0 98.0 99.0 99.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 <th< td=""><td>RF 50 Ω AC IQ 2.466000000 Ref Re</td><td>W GHz Cente Trig: F #Atter 3 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>SENSE:INT FFreq: 2.466000000 GHz ree Run Avg Hol : 30 dB //// Anywhathoda/add/</td><td>ALIGNAUTO Id: 100/100 Mkr</td><td>04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47544 -3.1564 3 -3.1564</td><td>5 GHz dBm dBm %************************************</td><td>Center Fred 2.46600000 GH 2.46600000 GH 2.46600000 GH</td></th<>	RF 50 Ω AC IQ 2.466000000 Ref Re	W GHz Cente Trig: F #Atter 3 1 1 1 1 1 1 1 1 1 1 1 1 1	SENSE:INT FFreq: 2.466000000 GHz ree Run Avg Hol : 30 dB //// Anywhathoda/add/	ALIGNAUTO Id: 100/100 Mkr	04:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47544 -3.1564 3 -3.1564	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH 2.46600000 GH
Gilent Spectrum RL enter Fre 0 dB/div 0 g 12.0 1.96 3.04 8.0 8.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 98.0 99.0 90.0 91.0 92.0 93.0 93.0 94.0 95.0 95.0 96.0 97.0 98.0 98.0 98.0 99.0 99.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 <th< td=""><td>RF 50 Ω AC IQ 2.466000000 Ref Re</td><td>W GHz Cente Trig: HIFGain:Low Atter</td><td>SENSE:INT FFreq: 2.46600000 GHz ree Run Avg Hol : 30 dB</td><td>ALIGNAUTO Id: 100/100 Mkr</td><td>O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564 3 3 4 4 4 5 5 8 9 5 8 9 3 5 8 9 3 5 8 9 1 5 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td><td>5 GHz dBm dBm %************************************</td><td>Center Fred 2.46600000 GH 2.46600000 GH CF Step 3.00000 MH 3.00000 MH Auto Mar</td></th<>	RF 50 Ω AC IQ 2.466000000 Ref Re	W GHz Cente Trig: HIFGain:Low Atter	SENSE:INT FFreq: 2.46600000 GHz ree Run Avg Hol : 30 dB	ALIGNAUTO Id: 100/100 Mkr	O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564 3 3 4 4 4 5 5 8 9 5 8 9 3 5 8 9 3 5 8 9 1 5 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH CF Step 3.00000 MH 3.00000 MH Auto Mar
RI RL Rt RL Rt RL 0 dB/div 9 120 10 136 10 136 10 80 10	RF 50 Ω AC IQ 2.466000000 Ref Re	W GHz Cente Trig: F #Atter 3 1 1 1 1 1 1 1 1 1 1 1 1 1	SENSE:INT FFreq: 2.46600000 GHz ree Run Avg Hol : 30 dB	ALIGNAUTO Id: 100/100 Mkr3	O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.47543 -3.1564 3 3 4 4 4 5 5 8 9 5 8 9 3 5 8 9 3 5 8 9 1 5 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH CF Step 3.00000 MH Auto Mar Freq Offse
RL enter Fre odB/div og	Ref 50 Ω AC Iq 2.466000000 AC Ref 01.96 dB AC Ref 21.96 dBm AC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q<	GHZ Cente #IFGain:Low #Atter	SENSE:INT FFreq: 2.466000000 GHz ree Run Avg Hol 30 dB We want of the sense VBW 300 kHz Total Power	ALIGNAUTO Id: 100/100 Mkr3	O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.4754 -3.1564 -3.	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH 2.46600000 GH
Billent Spectrum RL eenter Free 0 dB/div 20 120 130 130 130 130 130 130 130 130 130 130 130 130 140 150 <td< td=""><td>Ref 50 Ω AC Iq 2.466000000 AC Ref 01.96 dB AC Ref 21.96 dBm AC Q Q AC Q AC AC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q <</td><td>M GHz Center Trig: F #Atter 3 1 M Atter 4 Atter Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter Ate</td><td>SENSE:INT FFreq: 2.46600000 GHz ree Run Avg Hol 30 dB WBW 300 kHz Total Power OBW Power</td><td>ALIGNAUTO Id: 100/100 Mkr3</td><td>O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.4754 -3.1564 3 3 Span 3 Sweep 3. dBm</td><td>5 GHz dBm dBm %************************************</td><td>Center Fred 2.46600000 GH 2.46600000 GH CF Step 3.00000 MH Auto Mar Freq Offse</td></td<>	Ref 50 Ω AC Iq 2.466000000 AC Ref 01.96 dB AC Ref 21.96 dBm AC Q Q AC Q AC AC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q <	M GHz Center Trig: F #Atter 3 1 M Atter 4 Atter Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter Ate	SENSE:INT FFreq: 2.46600000 GHz ree Run Avg Hol 30 dB WBW 300 kHz Total Power OBW Power	ALIGNAUTO Id: 100/100 Mkr3	O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.4754 -3.1564 3 3 Span 3 Sweep 3. dBm	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH CF Step 3.00000 MH Auto Mar Freq Offse
	Ref 50 Ω AC Iq 2.466000000 AC Ref 01.96 dB AC Ref 21.96 dBm AC Q Q AC Q AC AC Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q <	M GHz Center Trig: F #Atter 3 1 M Atter 4 Atter Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter 4 Atter Ate	SENSE:INT FFreq: 2.46600000 GHz ree Run Avg Hol 30 dB WBW 300 kHz Total Power OBW Power	ALIGNAUTO Id: 100/100 Mkr3	O4:25:37 PM Ja Radio Std: Nr Radio Device 3 2.4754 -3.1564 3 3 Span 3 Sweep 3. dBm	5 GHz dBm dBm %************************************	Center Fred 2.46600000 GH 2.46600000 GH CF Step 3.00000 MH Auto Mar Freq Offse

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9. Maximum Output Power 9.1 Test Setup



9.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

9.3 Test Procedure

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: The PK power was measured

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9.4Test Results

10M Bandwidth

Condition	Mode	Frequency	Antenna	Conducted	Duty	Total	Limit	Verdict
		(MHz)		Power (dBm)	Factor	Power	(dBm)	
					(dB)	(dBm)		
		2411		8.91	5.24	14.15	30	Pass
		2433	Antl	7.81	5.31	13.12	30	Pass
NIXZNIT		2466		9.93	5.26	15.19	30	Pass
NVNT	-	2411		10.28	5.24	15.52	30	Pass
		2433	Ant2	9.42	5.26	14.68	30	Pass
		2466		9.57	5.24	14.81	30	Pass

20M Bandwidth

Condition	Mode	Frequency	Antenna	Conducted	Duty Factor (dB)	Total	Limit	Verdict
		(MHz)		Power		Power	(dBm)	
				(dBm)		(dBm)		
		2411		8.43	5.24	13.67	30	Pass
		2433	Antl	7.7	5.3	13	30	Pass
NIVAIT		2466		9.9	5.31	15.21	30	Pass
NVNT	-	2411		10.05	5.24	15.29	30	Pass
		2433	Ant2	8.74	5.3	14.04	30	Pass
		2466		9.43	5.24	14.67	30	Pass

Note: 1. The result basic equation calculation as follow:

Power Output = Power Reading + Cable loss + Attenuator

2. The worse case was recorded

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EUT		Remo	te Contro	1	N	Iodel		Agri-Pro I	H20
Mode		10M I	Bandwidt	h	Test	Voltage		DC3.7V	V
Temperature		24	deg. C,		Hu	midity		56% RI	H
Frequency (MI	Hz)	Ant 1 I	Power	Ant 2 Po	wer	Total Ma Power Out		Power Limit	Pass/ Fail
		dBm	mW	dBm	mW	-MIMO (dl	Bm)	(dBm)	
2411		14.15	26.00	15.52	35.65	17.90		29.09	Pass
2433		13.12	20.51	14.68	29.38	16.98		29.09	Pass
2466		15.19	33.04	14.81	30.27	18.01		29.09	Pass

EUT	Rem	ote Contr	ol		ľ	Model		Agri-Pr	o H20
Mode	20M	Bandwid	th		Tes	t Voltage		DC3	.7V
Temperature	24	deg. C,			H	umidity		56%	RH
Frequency (MI	Ant 1 F	Power	Ant 2 Po	wer		Total Ma Power	x.	Power Limit	Pass/ Fail
i requency (wi	dBm	mW	dBm	m	ıW	Output-MII (dBm)	MO	(dBm)	1 455/ 1 411
2411	13.67	23.28	15.29	33.	.81	17.57		29.09	Pass
2433	13.00	19.95	14.04	25.	.35	16.56		29.09	Pass
2466	15.21	33.19	14.67	29.	.31	17.96		29.09	Pass

Note:1. The result basic equation calculation as follow:

Power Output = Power Reading + Cable loss + Attenuator

2. The worse case was recorded

3. Under MIMO mode, the assembly antenna gain=3.90+10log2=6.91; So, the power limit=30-(6.91-6) =29.09dBm

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10. Power Spectral Density Measurement

10.1 Test Setup



10.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm/3kHz.

10.3 Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.

- 2. Set the RBW = 3 kHz
- 3. Set the VBW \geq 10 kHz
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be $\leq 8 \text{ dBm/3kHz}$.

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10.4Test Result

10M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD	Duty Factor	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
		(11112)		(dBm/3kHz)	(dB)	(dBill/okil2)		
		2411		-11.3	5.24	-6.06	8	Pass
		2433	Ant1	-13.27	5.31	-7.96	8	Pass
NVNT		2466		-10.9	5.26	-5.64	8	Pass
INVINI	-	2411		-7.8	5.24	-6.06	8	Pass
		2433	Ant2	-9.34	5.26	-7.96	8	Pass
		2466		-9.29	5.24	-5.64	8	Pass

EUT		Remote Contro	bl	I	Model		Agri-Pro H2	20
Mode		10M Bandwidt	h	Tes	t Voltage		DC3.7V	
Temperature		24 deg. C,		Н	umidity		56% RH	
Frequency (M	Hz)	Ant 1 PSD	Ant 2 PS	SD	Total Max Power PSI -MIMO	-	PSD Limit (dBm/3kHz)	Pass/ Fail
		dBm/3kHz	dBm/:	3kHz	(dBm/3kHz	z)		
2411		-6.06	-6.0	06	-3.05		30	Pass
2433		-7.96	-7.9	96	-4.95		30	Pass
2466		-5.64	-5.0	64	-2.63		30	Pass

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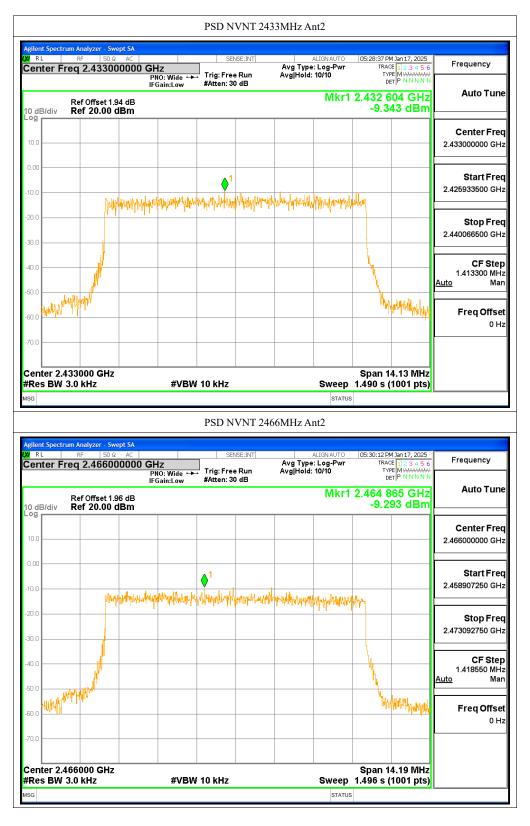




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20M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD	Duty Factor	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
		()		(dBm/3kHz)	(dB)	(42.11, 614.12)	(42.11, 61.12)	
		2411		-14.73	5.24	-9.49	8	Pass
		2433	Ant1	-14.97	5.3	-9.67	8	Pass
		2466		-13.49	5.31	-8.18	8	Pass
NVNT	-	2411		-11.24	5.24	-6	8	Pass
		2433	Ant2	-12.61	5.3	-7.31	8	Pass
		2466		-12.64	5.24	-7.4	8	Pass

EUT		Remote Contro	ol	I	Vodel		Agri-Pro H2	20
Mode		10M Bandwidt	h	Tes	t Voltage		DC3.7V	
Temperature		24 deg. C,		Н	umidity		56% RH	
Frequency (M	Hz)	Ant 1 PSD dBm/3kHz	Ant 2 PS		Total Max. Power PSI -MIMO (dBm/3kHz	C	PSD Limit (dBm/3kHz)	Pass/ Fail
2411		-9.49	-6	6	-4.39	-,	30	Pass
2433		-9.67	-7.3	31	-5.32		30	Pass
2466		-8.18	-7.	.4	-4.76		30	Pass

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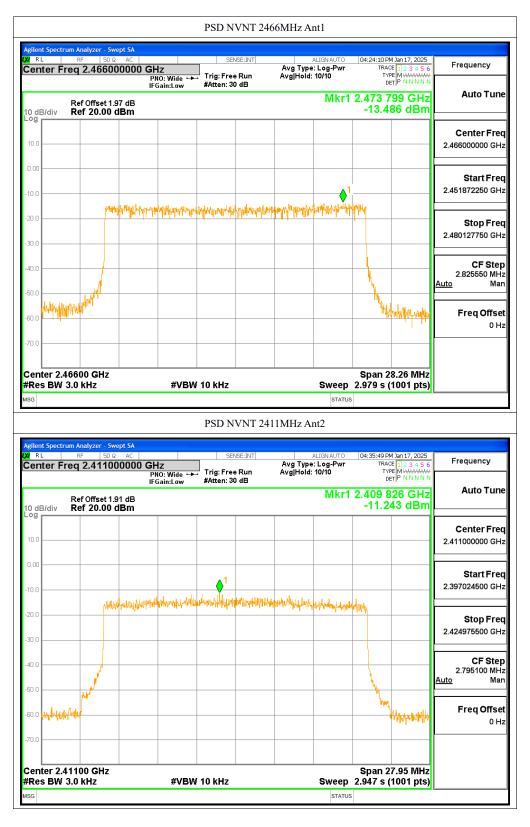




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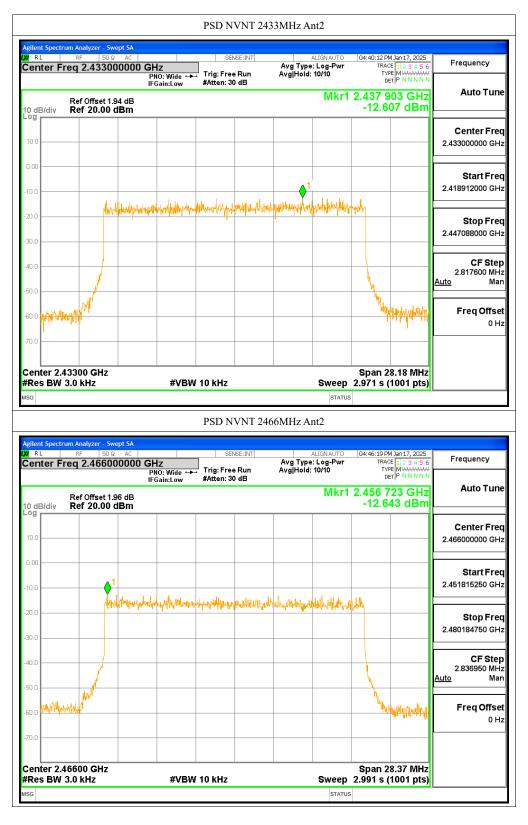




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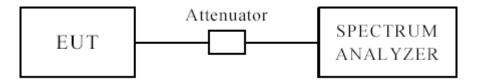
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11 Out of Band Measurement

11.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

11.2 Limits of Out of Band Emissions Measurement

- 1. Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

11.3 Test Procedure

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of radiated emission test. (Peak values with RBW=VBW=1MHz and PK detector. AV value with RBW=1MHz, VBW=10Hz and PK detector)

For bandage test, the spectrum set as follows: RBW=100, VBW=300 kHz. A conducted measurement used

11.4 Test Result

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule. 2.Ant 1 and Ant 2 transmitting Simultaneously

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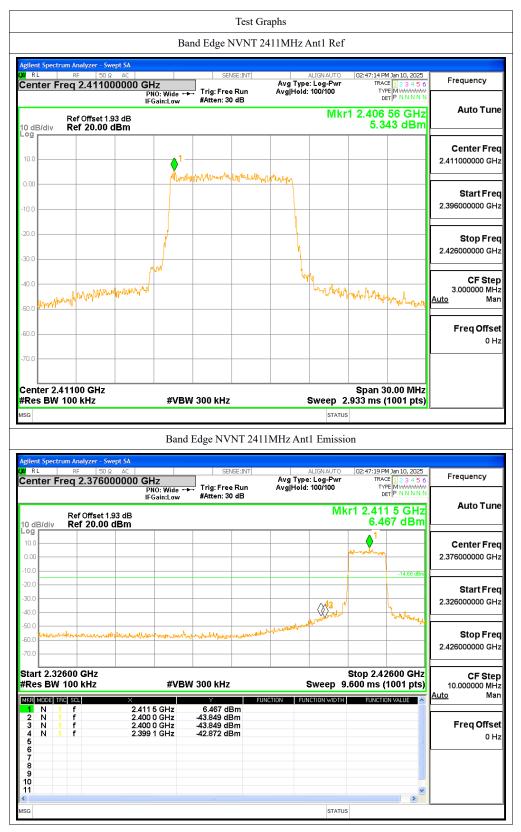
Band Edge

10M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
		2411	A -= + 1	-48.21	-20	Pass
NVNT		2466	Antl	-49.21	-20	Pass
	-	2411	A 4 Q	-47.47	-20	Pass
		2466	Ant2	-52.76	-20	Pass

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Band Edge NVNT 2466MHz Ant1	KCI
Swept SA SENSE:INT ALIGN. 0 Ω AC SENSE:INT ALIGN.	AUTO 02:57:23 PM Jan 10, 2025
OO00000 GHZ PNO: Wide ↔ Trig: Free Run IFGain:Low #Atten: 40 dB	
1.97 dB	Mkr1 2.467 20 GHz Auto Tun
0 dBm	6.902 dBm
	2.46600000 GH
under and the government	2.40000000 011
	Start Fre
	2.451000000 GH
	Stop Fre
	2.481000000 GH
all when show W	Washa ha A D
ng ber half	CF Step 3.00000 MH Auto Mar
	Freq Offse
Ζ	Span 30.00 MHz
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er	ep 2.933 ms (1001 pts)
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 0 2 AC 0000000 GHz	ep 2.933 ms (1001 pts) status nission AUTO [02:57:26 PM Jan 10, 2025
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 0.9 AC	ep 2.933 ms (1001 pts) status mission AUTO 02:57:26 PM Jan 10, 2025 I-PWr TRACE 1 2.3 4 5 6 I-PWr TRACE 1 2.3 4 5 6 I-PWr TRACE 1 2.3 4 5 6 DET P N N N N
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 0 Q AC SENSE:INT ALIGN. 000000 GHz Avg Type: Log PN0: Wide ↔ Trig: Free Run Avg[Hold: 100/1	ep 2.933 ms (1001 pts) status nission AUTO 02:57:26 PM Jan 10, 2025 -PWr TRACE 12.3.4.5.6 Frequency TYPE 12.3.4.5.6 Frequency
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 002 AC PN0: Wide ↔ IFGain:Low Trig: Free Run IFGain:Low #Atten: 40 dB 0 dBm 1	ep 2.933 ms (1001 pts) status nission AUTO 02:57:26 PM Jan 10, 2025 IPWr TRACE 12.3 4 5 6 IOO TYPE MWANANA DET P NN NN N Mkr1 2.467 2 GHz 6.924 dBm
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 00 Q AC PN0: Wide → IFGain:Low Trig: Free Run #Atten: 40 dB	ep 2.933 ms (1001 pts) status nission AUTO 02:57:26 PM Jan 10, 2025 IPWr TRACE 12.3 4 5 6 IOO TYPE MINNNN Mkr1 2.467 2 GHz 6.924 dBm Center Free 2.501000000 GH
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 002 AC PN0: Wide ↔ IFGain:Low Trig: Free Run IFGain:Low #Atten: 40 dB 0 dBm 1	ep 2.933 ms (1001 pts) status nission AUTO 02:57:26 PM Jan 10, 2025 PPwr TRACE 12 3 4 5 6 PPwr TRACE 12 4 5 7 PPwr TRA
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 00 2 AC 000000 GHz PN0: Wide ↔ If-Gain:Low *Avg Type: Log Avg Type: Log Avg Type: Log Avg Type: Log Avg Type: Log Band Edge NVNT 2466MHz Ant1 Er	ep 2.933 ms (1001 pts) status nission AUTO 02:57:26 PM Jan 10, 2025 IPWor TRACE 12 3 4 5 6 IPWor TRACE 12 4 6 IPWOR
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 002 AC PN0: Wide ↔ IFGain:Low Trig: Free Run IFGain:Low #Atten: 40 dB 0 dBm 1	ep 2.933 ms (1001 pts) status mission AUTO 02:57:26 PM Jan 10, 2025 rPwr 0700 Trace 1 2 3 4 5 6 regular of the status of th
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 00 2 AC 000000 GHz PN0: Wide ↔ If-Gain:Low *Avg Type: Log Avg Type: Log Avg Type: Log Avg Type: Log Avg Type: Log Band Edge NVNT 2466MHz Ant1 Er	ep 2.933 ms (1001 pts) status mission AUTO 02:57:26 PM Jan 10, 2025 rPwr TRACE 12 3 4 5 6 rPwr TRACE 12 3 4 5 6 rPwr TRACE 12 3 4 5 6 PWr TRACE 12 3 4 5 6 requency Auto Tun Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 00 2 AC 000000 GHz PN0: Wide ↔ If-Gain:Low *Avg Type: Log Avg Type: Log Avg Type: Log Avg Type: Log Avg Type: Log Band Edge NVNT 2466MHz Ant1 Er	ep 2.933 ms (1001 pts) status mission AUTO 02:57:26 PM Jan 10, 2025 rPWr 0700 TRACE 12 3 4 5 6 rPWr 0700 Revealed a status DET P N N N N N Mkr1 2.467 2 GHz 6.924 dBm
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 000000 GHz PHO: Wide ++ If Gain:Low Avg Type: Log Avg Hold: 100/ff Avg Type: Log Avg Hold: 100/ff Avg Type: Log Avg Hold: 100/ff 1 Avg Type: Log Avg Hold: 100/ff	ep 2.933 ms (1001 pts) status
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Servet SA 00 OC 01 Avg Type: Log PNO: Wide	ep 2.933 ms (1001 pts) status
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 000000 GHz PNO: Wide → IFGain:Low Trig: Free Run #Atten: 40 dB 1 0 1 0 1 0 1 0 1 <	ep 2.933 ms (1001 pts) status status nission Frequency AUTO [02:57:26 PM Jan 10, 2025] IPWr Frequency ID00 TRACE [12:3:4:5:6] IPWr Frequency Mkr1 2.467 2 GHz 6.924 dBm Auto Tun ID0 TRACE 2.50100000 GH ID10 ID10 Start Freq 2.551000000 GH Stop 2.55100 GHz ID10 Stop Freq 2.551000000 GH Stop 2.55100 GHz ID10 CF Step 10.000000 MH MIDTH FUNCTION VALUE
#VBW 300 kHz Swe Band Edge NVNT 2466MHz AntI Er Swept SA 000000 GHz Aug Type: Log PNO: Wide Trig: Free Run Avg Type: Log PNO: Wide #Atten: 40 dB Avg Hold: 100/1 1 Aug Type: Log Avg Type: Log 1 Aug Type: Log Avg Type: Log 2 Aug Type: Log Avg Type: Log 2 Aug Type: Log Aug Type: Log 2 Aug Type: Log Aug Type: Log	ep 2.933 ms (1001 pts) status
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 000000 GHz PNO: Wide → IFGain:Low Trig: Free Run #Atten: 40 dB 1 0 1 0 1 0 1 0 1 <	ep 2.933 ms (1001 pts) status status nission Frequency AUTO [02:57:26 PM Jan 10, 2025] IPWr Frequency ID00 TRACE [12:3:4:5:6] IPWr Frequency Mkr1 2.467 2 GHz 6.924 dBm Auto Tun ID0 TRACE 2.50100000 GH ID10 ID10 Start Freq 2.551000000 GH Stop 2.55100 GHz ID10 Stop Freq 2.551000000 GH Stop 2.55100 GHz ID10 CF Step 10.000000 MH MIDTH FUNCTION VALUE
#VBW 300 kHz Swe Band Edge NVNT 2466MHz Ant1 Er Swept SA 000000 GHz PNO: Wide → IFGain:Low Trig: Free Run #Atten: 40 dB 1 0 1 0 1 0 1 0 1 <	ep 2.933 ms (1001 pts) status status nission Frequency AUTO [02:57:26 PM Jan 10, 2025] IPWwr Frequency IPWwr TRACE [12:3:4:5:6] IPWwr Frequency Mkr1 2.467 2 GHz 6.924 dBm Auto Tun Image: Stop 2.55100 GHz Start Fre 2.551000000 GHz Start Fre 2.551000000 GHz Stop 2.55100 GHz CF Step 10.000000 MH Auto Morris Freq Offsee

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	n Analyzer - Swept SA					
XI RL Center Fre	RF 50 Ω AC IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr AuglHold: 100(100	03:16:44 PM Jan 10, 2025 TRACE 1 2 3 4 5 6 TYPE M	Frequency
	Pi IF	NO:Wide ↔ Tr Gain:Low #A	ig: Free Run tten: 30 dB	Avg Hold: 100/100	DET P N N N N N	Auto Tun
	Ref Offset 1.91 dB Ref 20.00 dBm			Mkr	1 2.411 15 GHz 7.034 dBm	Auto Tun
og						0 F
10.0			1			Center Free 2.411000000 GH
0.00		munim	martinghantytyty	when when the		
0.00						Start Free
10.0						2.396000000 GH
-20.0						Stop Ero.
						Stop Fre 2.426000000 GH
30.0	<u>م</u>	w		44		
-40.0	MANNAN WWW.			- Monoral Marine	WWWWWWWWWWWW	CF Step 3.000000 MH
-50.0	all at 1997 2017 2					<u>Auto</u> Mai
						Erog Offer
-60.0						Freq Offse 0 H
-70.0						
Center 2.41					Span 30.00 MHz	
#Res BW 10	00 KHZ	#VBW 30	0 KHZ	Sweep 2		
ISG				•	933 ms (1001 pts)	
ISG		Band Edg	e NVNT 24	status 11MHz Ant2 Emissi	3	
gilent Spectrum Ø RL	n Analyzer - Swept SA RF 50 Ω AC Iq 2.376000000 GF	Hz	e NVNT 24] SENSE:INT	STATUS	03:16:50 PM Jan 10, 2025 TRACE [1:2:3:4:5:6 TYPE [Musulture]	Frequency
Agilent Spectrum X RL Center Fre	RF 50 Ω AC q 2.376000000 GI PI PI IF Ref Offset 1.91 dB	Hz NO:Wide ↔ Tr	SENSE:INT	STATUS I I MHz Ant2 Emissie ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	03:16:50 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE M WWWWWW DET P NN N N TT 2.410 4 GHz	
Agilent Spectrun X RL Center Fre	RF 50 Ω AC CQ 2.376000000 GH PI IF	Hz NO: Wide ↔ Tr	SENSE:INT	STATUS I I MHz Ant2 Emissie ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	03:16:50 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE [M WWWWWW DET [P N N N N	Auto Tune
Agilent Spectrum & RL Center Fre 10 dB/div -09 10.0	RF 50 Ω AC q 2.376000000 GI PI PI IF Ref Offset 1.91 dB	Hz NO: Wide ↔ Tr	SENSE:INT	STATUS I I MHz Ant2 Emissie ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	03:16:50 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE M WWWWWW DET P NN N N TT 2.410 4 GHz	Auto Tun Center Fre
Agilent Spectrum	RF 50 Ω AC q 2.376000000 GI PI PI IF Ref Offset 1.91 dB	Hz NO: Wide ↔ Tr	SENSE:INT	STATUS I I MHz Ant2 Emissie ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	03:16:50 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE MUMMAN DET P NNN N r1 2.410 4 GHz 8.057 dBm	Auto Tun Center Free
Agilent Spectrun	RF 50 Ω AC q 2.376000000 GI PI PI IF Ref Offset 1.91 dB	Hz NO: Wide ↔ Tr	SENSE:INT	STATUS I I MHz Ant2 Emissie ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	03:16:50 PM Jan 10, 2025 TRACE 11:2:3:4:5:6 TYPE M HAMMANN DET P NNN NN r1 2.410 4 GHz 8.057 dBm	Auto Tun Center Free 2.37600000 GH
Agilent Spectrum	RF 50 Ω AC q 2.376000000 GI PI PI IF Ref Offset 1.91 dB	Hz NO: Wide ↔ Tr	SENSE:INT	STATUS I I MHz Ant2 Emissie ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	03:16:50 PM Jan 10, 2025 TRACE 11:2:3:4:5:6 TYPE M HAMMANN DET P NNN NN r1 2.410 4 GHz 8.057 dBm	Auto Tun Center Free 2.37600000 GH Start Free
Agilent Spectrun X RL Center Fre 10 dB/div Log 10.0 .0.0	RF 50 Ω AC Iq 2.376000000 GI Pi Pi IF Pi Ref Offset 1.91 dB Ref 20.00 dBm IF	Hz NO: Wide → Tr Gain:Low #A	ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: Log Pwr Avg Hold: 100/100 Mk	03:16:50 PM Jan 10, 2025 TRACE 11:2:3:4:5:6 TYPE M HAMMANN DET P NNN NN r1 2.410 4 GHz 8.057 dBm	Auto Tun Center Free 2.376000000 GH Start Free 2.326000000 GH
Agilent Spectrun X RL Center Fre 10 dB/div 10 0 10 0 1	RF 50 Ω AC q 2.376000000 GI PI PI IF Ref Offset 1.91 dB	Hz NO: Wide → Tr Gain:Low #A	SENSE:INT	ALIGNAUTO Avg Type: Log Pwr Avg Hold: 100/100 Mk	03:16:50 PM Jan 10, 2025 TRACE 11:2:3:4:5:6 TYPE M HAMMANN DET P NNN NN r1 2.410 4 GHz 8.057 dBm	Frequency Auto Tune Center Free 2.376000000 GH Start Free 2.326000000 GH
Agilent Spectrun X RL Center Fre 10 dB/div 0.00 .00 .00 .00 .00 .00 .00 .00 .00 .	RF 50 Ω AC Iq 2.376000000 GI Pi Pi IF Pi Ref Offset 1.91 dB Ref 20.00 dBm IF	Hz NO: Wide → Tr Gain:Low #A	ig: Free Run tten: 30 dB	ALIGNAUTO Avg Type: Log Pwr Avg Hold: 100/100 Mk	03:16:50 PM Jan 10, 2025 TRACE 11:2:3:4:5:6 TYPE M HAMMANN DET P NNN NN r1 2.410 4 GHz 8.057 dBm	Auto Tune Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free
Agient Spectrum X RL Center Fre Conter Fre 10 dB/div	RF 50 Ω AC IQ 2.376000000 GH PI IF Ref Offset 1.91 dB Ref 20.00 dBm Ref 20.00 dBm IF IF IF Ref 20.00 dBm IF IF IF IF	Hz NO: Wide → Tr Gain:Low #A	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tun Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free 2.426000000 GH
Agilent Spectrum X RL Center Fre Conter Fre 10 dB/div Log 10.0 .00 .00 .00 .00 .00 .00 .00 .00 .0	RF 50 2 AC IQ 2.376000000 GF PI IQ PI IF Ref Offset 1.91 dB Ref 20.00 dBm IF IF IF IF	Hz NO: Wide → Tr Gain:Low #A #VBW 30	SENSE:INT ig: Free Run tten: 30 dB utten: 4 db b b c c c c c c c c c c c c c	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tune Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free
Agilent Spectrum X RL Center Free 10 G 000 000 10.0 000 000 000 -20.0	RF 50 2 AC IQ 2.376000000 GF PI IP PI IF Ref Offset 1.91 dB Ref 20.00 dBm IF IF 2.000 dBm IF IF 0.00 dBm IF IF 2.400 f 2.410 f IF 2.400 f 2.400 f	Hz NO: Wide → Tr Gain:Low #A #VBW 30 #VBW 30 4 GHz 8 0 GHz 40	SENSE.INT ig: Free Run tten: 30 dB Augumentation Augumentation D kHz Y F 057 dBm 620 dBm	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tun Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free 2.426000000 GH CF Steg 10.000000 MH Auto Ma
Agilent Spectrum X RL Center Fre 10 dB/div Log 10.0 .000 .000 .000 .000 .000 .000 .00	RF S0 2 AC IQ 2.376000000 GF PI PI IF IF Ref Offset 1.91 dB Ref 20.00 dBm IF ruteux.condett IF IF 000 GHz 000 GHz IF 000 KHz X f 2.410 F 2.400 f 2.400	Hz NO: Wide → Tr Gain:Low #A #VBW 30 #VBW 30 4 GHz 8 0 GHz 40	SENSE:INT ig: Free Run itten: 30 dB www.www.www.www. butter 0 kHz V E 057 dBm 620 dBm	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tun Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free 2.426000000 GH CF Steg 10.000000 MH Auto Ma
Agilent Spectrum X RL Center Fre 10 dB/div Log 10.0 .000 .000 .000 .000 .000 .000 .00	RF 50 2 AC IQ 2.376000000 GF PI IP PI IF Ref Offset 1.91 dB Ref 20.00 dBm IF IF 2.000 dBm IF IF 0.00 dBm IF IF 2.400 f 2.410 f IF 2.400 f 2.400 f	Hz NO: Wide → Tr Gain:Low #A #VBW 30 #VBW 30 4 GHz 8 0 GHz 40	SENSE.INT ig: Free Run tten: 30 dB Augumentation Augumentation D kHz Y F 057 dBm 620 dBm	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tun Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free 2.426000000 GH CF Steg 10.000000 MH Auto Ma
Agilent Spectrum RL Center Free 10 dB/div -0g 10.0 -0g -0.0	RF 50 2 AC IQ 2.376000000 GF PI IP PI IF Ref Offset 1.91 dB Ref 20.00 dBm IF IF 2.000 dBm IF IF 0.00 dBm IF IF 2.400 f 2.410 f IF 2.400 f 2.400 f	Hz NO: Wide → Tr Gain:Low #A #VBW 30 #VBW 30 4 GHz 8 0 GHz 40	SENSE.INT ig: Free Run tten: 30 dB Augumentation Augumentation D kHz Y F 057 dBm 620 dBm	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tun Center Fre 2.376000000 GH Start Fre 2.326000000 GH Stop Fre 2.426000000 GH CF Ste 10.000000 MH Auto Ma
Agilent Spectrum X RL Center Fre 10 dB/div Log 10.0 .000 .000 .000 .000 .000 .000 .00	RF 50 2 AC IQ 2.376000000 GF PI IP PI IF Ref Offset 1.91 dB Ref 20.00 dBm IF IF 2.000 dBm IF IF 0.00 dBm IF IF 2.400 f 2.410 f IF 2.400 f 2.400 f	Hz NO: Wide → Tr Gain:Low #A #VBW 30 #VBW 30 4 GHz 8 0 GHz 40	SENSE.INT ig: Free Run tten: 30 dB Augumentation Augumentation D kHz Y F 057 dBm 620 dBm	ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100 Mk	01 03:16:50 PM Jan 10, 2025 TRACE [1:3:4:5 6 TYPE [1:3:4:5 7 TYPE [1:3	Auto Tun Center Free 2.376000000 GH Start Free 2.326000000 GH Stop Free 2.426000000 GH

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A <mark>gilent Spec</mark> ØRL	trum Analyzer - Swept SA RF 50 Ω AC		SENSE:INT	ALIGN AUTO	03:24:54 PM Jan 10, 2025	
	Freq 2.46600000	PNO: Wide ←	▶ Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TYPE MWWWW DET P N N N N N	Frequency
0 dB/div	Ref Offset 1.96 dB Ref 20.00 dBm	IFGain:Low	#Atten: 30 dB	Mkr	1 2.466 18 GHz 5.191 dBm	Auto Tun
.og						Center Fre
10.0			1 			2.466000000 GH
10.00			-Andreak and a second	han and a second se		Start Fre 2.451000000 GH
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40.0	wyther when the second of the	MM		hum han		CF Ste
50.0	MAN AND AND AND AND AND AND AND AND AND A	- M		< distribution of the second s	water water and a far and	3.000000 MH <u>Auto</u> Ma
60.0						Freq Offse 0 H
70.0						
	46600 011-				On on 20.00 Mile	
	.46600 GHz				Span 30.00 MHz	
Res DW	/ 100 kHz	#VB	W 300 kHz	Sweep 2.	.933 ms (1001 pts)	
	/ 100 kHz	#VBI	W 300 kHz	Sweep 2. status	,	
ISG	/ 100 kHz			STATUS		
SG				-		
sg gilent Spec Ø R L	trum Analyzer - Swept SA RF 50 Ω AC	Band		56MHz Ant2 Emissic	03:24:59 PM Jan 10, 2025	Frequency
sg gilent Spec Ø R L	trum Analyzer - Swept SA	Band	I Edge NVNT 24	STATUS	on	Frequency
sg gilent Spec RL Center F	trum Analyzer - Swept SA RF 50 Ω AC	Band D GHz PN0: Wide ←	I Edge NVNT 24	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE 12:23 4 5 6 TYPE MWWWWWW	
agilent Spec R RL Center F	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm	Band D GHz PN0: Wide ←	I Edge NVNT 24	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE PNNNN per PNNNN r1 2.466 1 GHz	Auto Tun
ssg sgilent Spec RL Center F 10 dB/div -og 10.0 0.00	trum Analyzer - Swept SA	Band D GHz PN0: Wide ←	I Edge NVNT 24	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE [] -3 4 5 6 TYPE [] -3 4 5 6 TYP	Auto Tun Center Free
In the second se	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm	Band D GHz PN0: Wide ←	I Edge NVNT 24	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE PNNNN per PNNNN r1 2.466 1 GHz	Auto Tun Center Free 2.501000000 GH
In the second se	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm	Band	I Edge NVNT 240 SENSE:INT → Trig: Free Run #Atten: 30 dB	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE [] -3 4 5 6 TYPE [] -3 4 5 6 TYP	Auto Tun Center Free 2.50100000 GH Start Free
sg glent Spec d RL Center F 10 dB/div 0 g 10.0 0.00 10.0 0 10.0 0 10.0 0 10.0 0 0 0	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm	Band	I Edge NVNT 240 SENSE:INT → Trig: Free Run #Atten: 30 dB	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE [] -3 4 5 6 TYPE [] -3 4 5 6 TYP	Auto Tun Center Fre 2.501000000 GH Start Fre
In the second se	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm	Band D GHz PNO: Wide - IFGain:Low	I Edge NVNT 240 SENSE:INT → Trig: Free Run #Atten: 30 dB	56MHz Ant2 Emissio 66MHz Ant2 Emissio 6000 Aug Type: Log-Pwr Avg Type: Log-Pwr AvgHold: 100/100	03:24:59 PM Jan 10, 2025 TRACE [] -3 4 5 6 TYPE [] -3 4 5 6 TYP	Frequency Auto Tun Center Fre 2.501000000 GH Start Fre 2.451000000 GH Stop Fre 2.551000000 GH
sg glient Spec g RL Center F 10 dB/div °g 10.0 0.00 .0.0	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm	Band	I Edge NVNT 240	Status	01 03:24:59 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE [] 2 4 5 6 TYPE []	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH
sg glent Spec g RL Center F 10 dB/div - 9g 10.0 0.00 .0000 .000 .000 .000 .000	trum Analyzer - Swept SA RF 50.Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm 	Band	I Edge NVNT 240	STATUS	003:24:59 PM Jan 10, 2025 TRACE [] -3 4 5 6 TYPE [M -3 4 5 6 CEIP N N N N r1 2.466 1 GHz 5.464 dBm 	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH CF Step 10.000000 MH Auto Ma
sg sg glent Spec RL Center F Conter F 0 dB/div 0 0 gl 0 10 dB/div 0 10 dB/div 0 0 dB/div 0 20 d 0 3 n 1 4 n 5	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm 	Band	Edge NVNT 240 SENSE:INT Trig: Free Run #Atten: 30 dB 3 4 4 4 5.464 dBm	Status	01 03:24:59 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE [] 2 4 5 6 TYPE []	Auto Tun Center Fre 2.501000000 GH 2.451000000 GH 2.551000000 GH 2.551000000 GH CF Ste 10.000000 MH Auto Ma
Image: segender interview Status 10 dB / div -og -og 10.0 -og -og -og 10.0 -og -og -og 10.0 -og -og -og 10.0 -og -0.0	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm 	Band	I Edge NVNT 24(SENSE:INT Trig: Free Run #Atten: 30 dB 3 4 3 4 3 4 3 4 3 4 3 4 5 6 4 5 4 6 4 5 4 6 4 5 4 6 4 8 1 1 1 1 1 1 1 1 1 1 1 1 1	Status	01 03:24:59 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE [] 2 4 5 6 TYPE []	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH
Agilent Spec Ø RL Center F 10 dB/div - og 10.0 - og <	trum Analyzer - Swept SA RF 50 Ω AC Freq 2.501000000 Ref Offset 1.96 dB Ref 20.00 dBm 	Band	I Edge NVNT 24(SENSE:INT Trig: Free Run #Atten: 30 dB 3 4 3 4 3 4 3 4 3 4 3 4 5 6 4 5 4 6 4 5 4 6 4 5 4 6 4 8 1 1 1 1 1 1 1 1 1 1 1 1 1	Status	01 03:24:59 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE [] 2 4 5 6 TYPE []	Auto Tun Center Fre 2.501000000 GH 2.451000000 GH 2.551000000 GH 2.551000000 GH CF Ste 10.000000 MH Auto Ma

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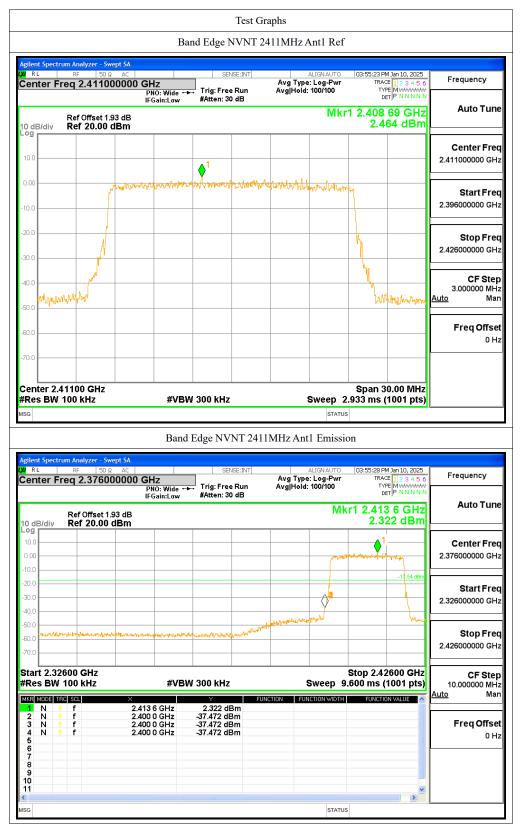


20M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
		2411	A -= + 1	-39.93	-20	Pass
NVNT		2466	Ant1	-45.72	-20	Pass
		2411	A mt 2	-41.4	-20	Pass
		2466	Ant2	-48.6	-20	Pass

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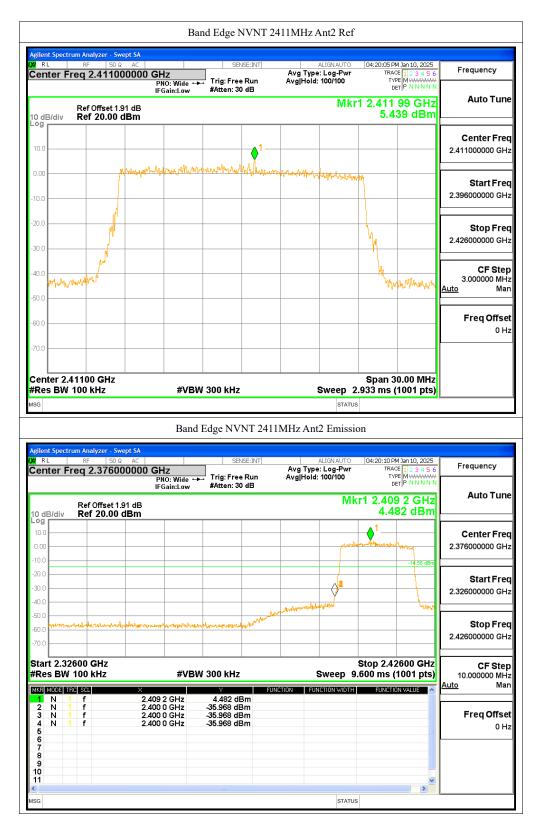
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		D	and Edge NVNT			
gilent Spect	t <mark>rum Analyzer - Swept SA</mark> RF 50 Ω AC		SENSE:INT	ALIGN AUTO	04:01:30 PM Jan 10, 2025	
	req 2.4660000		▶ Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW	-
		IFGain:Low	#Atten: 40 dB	Mkr	DET P NNNN	A
I0 dB/div	Ref Offset 1.97 dB Ref 20.00 dBm			WIKI	4.521 dBm	
- ^{og}						Center Fre
10.0				1		2.466000000 GH
0.00	- AAAA	mprapatha	al particular to provide the	an and losan while the	**	
						Start Fre 2.451000000 GH
10.0						2.45100000 GH
20.0					<u> </u>	Stop Fre
30.0	/^/				۷ <u>,</u>	2.481000000 GH
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-50.0						<u>Auto</u> Ma
-60.0						Freq Offse
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-70.0						
	10000 011					
	.46600 GHz 100 kHz	#VB	W 300 kHz	Sweep 2	Span 30.00 MHz .933 ms (1001 pts)	
#Res BW	100 kHz	Band		Sweep 2 status 66MHz Ant1 Emissio	.933 ms (1001 pts)	
FRes BW		Banc D O GH z PNO: Wide -	I Edge NVNT 24(SENSE:INT)	STATUS	2.933 ms (1001 pts)	Frequency
¢Res BW ISG gilent Spect Q RL Center F	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 240	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	0933 ms (1001 pts)	
#Res BW Isg	100 kHz rum Analyzer - Swept SA RF 50 ກ AC Freq 2.501000000	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	0933 ms (1001 pts)	Auto Tun
#Res BW	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	0933 ms (1001 pts)	
#Res BW Isg Agilent Spect M RL Center F 10 dB/div I0 o 0.00 -10.0	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	0933 ms (1001 pts)	Auto Tun Center Free
#Res BW Isg Agilent Spect M RL Center F 10 dB/div 0.00 .10.0 .20.0	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	2.933 ms (1001 pts) 3 on 104:01:34 PM Jan 10, 2025 TRACE 12 2.3 4 5 6 TYPE MWWWWWW DET P NNNN CT1 2.469 8 GHz 3.944 dBm	Auto Tun Center Free 2.50100000 GH
#Res BW Issg	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	2.933 ms (1001 pts) 3 on 104:01:34 PM Jan 10, 2025 TRACE 12 2.3 4 5 6 TYPE MWWWWWW DET P NNNN CT1 2.469 8 GHz 3.944 dBm	Auto Tun Center Free 2.50100000 GH
#Res BW Issg Issg Issg	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	2.933 ms (1001 pts) 3 on 104:01:34 PM Jan 10, 2025 TRACE 12 2.3 4 5 6 TYPE MWWWWWW DET P NNNN CT1 2.469 8 GHz 3.944 dBm	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH
#Res BW Issg	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	56MHz Ant1 Emissio ALIGNAUTO Avg Type: Log-Pwr Avg Hold: 100/100	2.933 ms (1001 pts) 3 on 104:01:34 PM Jan 10, 2025 TRACE 12 2.3 4 5 6 TYPE MWWWWWW DET P NNNN CT1 2.469 8 GHz 3.944 dBm	Auto Tun Center Free 2.50100000 GH
#Res BW Iss Agilent Spect In RL Center F 10.0 10.0 -10.0 -20.0 -30.0 -40.0 -60.0 -70.0	T 100 kHz trum Analyzer - Swept SA RF 50Ω AC Treq 2.50100000 Ref Offset 1.97 dE Ref 20.00 dBm	Band DO GHz PNO: Wide - IFGain:Low	I Edge NVNT 24(SENSE:INT) Trig: Free Run	S6MHz Antl Emissie	2933 ms (1001 pts)	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH
#Res BW Issg Agilent Spect In a Bildiv	100 kHz trum Analyzer - Swept SA RF 50 Ω AC Freq 2.50100000 Ref Offset 1.97 dE	Band	I Edge NVNT 24(SENSE:INT) Trig: Free Run	STATUS	2.933 ms (1001 pts) 3 on 104:01:34 PM Jan 10, 2025 TRACE 12 2.3 4 5 6 TYPE MWWWWWW DET P NNNN CT1 2.469 8 GHz 3.944 dBm	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH CF Step 10.000000 MH
#Res BW Iss	T 100 kHz	Band	Edge NVNT 24(SENSE:INT) → Trig: Free Run #Atten: 40 dB	STATUS	2.933 ms (1001 pts)	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH CF Step
#Res BW Agilent Spect RL Center F Cog 10.0 Cog -10.0 Cog -20.0 Cog -30.0 Cog -40.0 Cog -50.0 Cog -60.0 Cog -70.0 Cog Start 2.4: Res #Res BW MXE MODE 1 N	T 100 kHz Trum Analyzer - Swept SA RF 500 AC Treq 2.50100000 Ref Offset 1.97 dE Ref 20.00 dBm 1 	Band	I Edge NVNT 24(SENSE:INT → Trig: Free Run #Atten: 40 dB 3 Where the sense of	Sweep 9	2.933 ms (1001 pts)	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH CF Step 10.000000 MH Auto
#Res BW Agient Spect M RL Center F 10 dB/div	T 100 kHz	Band	I Edge NVNT 240	Sweep 9	2.933 ms (1001 pts)	Auto Tun Center Free 2.501000000 GH Start Free 2.451000000 GH Stop Free 2.551000000 GH CF Step 10.000000 MH
#Res BW Issg Agient Spect In a Bieldiv In a Bieldiv	T 100 kHz trum Analyzer - Swept SA RF 50 Ω AC Treq 2.50100000 Ref Offset 1.97 dE Ref 20.00 dBm 1 1 5100 GHz 1 100 kHz TC SCL 1 1 1 1 1 1	Banc	I Edge NVNT 24(SENSE:INT → Trig: Free Run #Atten: 40 dB 3 Where the sense of	Sweep 9	2.933 ms (1001 pts)	Auto Tun Center Freq 2.501000000 GH Start Freq 2.451000000 GH Stop Freq 2.551000000 GH CF Step 10.000000 MH Auto Auto Freq Offsee
#Res BW Issg Issg	T 100 kHz trum Analyzer - Swept SA RF 50 Ω AC Treq 2.50100000 Ref Offset 1.97 dE Ref 20.00 dBm 1 1 5100 GHz 1 100 kHz TC SCL 1 1 1 1 1 1	Banc	I Edge NVNT 24(SENSE:INT → Trig: Free Run #Atten: 40 dB 3 Where the sense of	Sweep 9	2.933 ms (1001 pts)	Auto Tun Center Freq 2.501000000 GH Start Freq 2.451000000 GH Stop Freq 2.551000000 GH CF Step 10.000000 MH Auto Auto Freq Offsee
#Res BW ssc 4 10 2 10 2 10 20 -00	T 100 kHz trum Analyzer - Swept SA RF 50 Ω AC Treq 2.50100000 Ref Offset 1.97 dE Ref 20.00 dBm 1 1 5100 GHz 1 100 kHz TC SCL 1 1 1 1 1 1 1 1 1 1	Banc	I Edge NVNT 24(SENSE:INT → Trig: Free Run #Atten: 40 dB 3 Where the sense of	Sweep 9	2.933 ms (1001 pts)	Auto Tun Center Freq 2.501000000 GH Start Freq 2.451000000 GH Stop Freq 2.551000000 GH CF Step 10.000000 MH Auto Auto Freq Offsee

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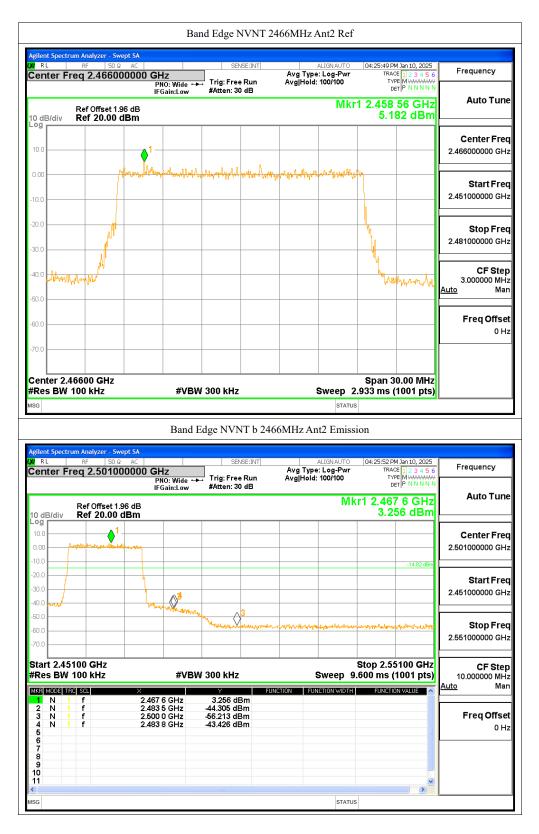


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Conducted RF Spurious Emission

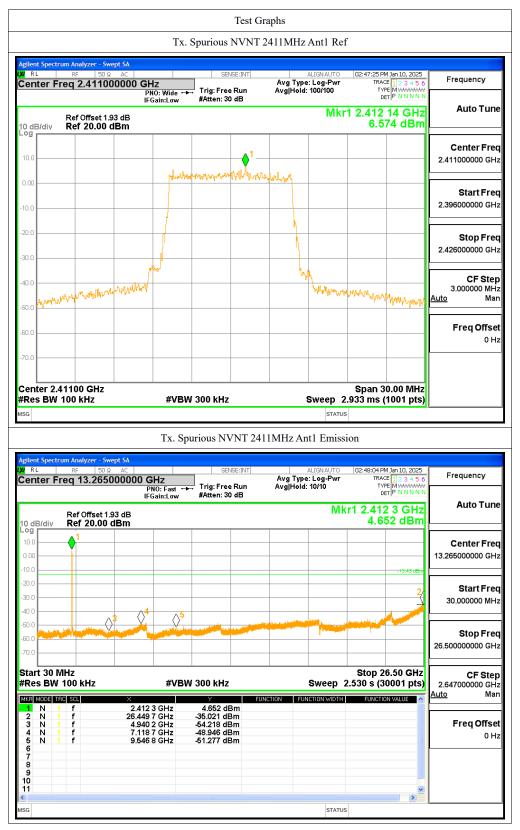
10M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
		2411		-41.59	-20	Pass
		2433	Ant1	-39.1	-20	Pass
NIV/NIT		2466		-33	-20	Pass
NVNT		2411		-33.23	-20	Pass
	-	2433	2433 Ant2	-40.1	-20	Pass
		2466		-30.67	-20	Pass

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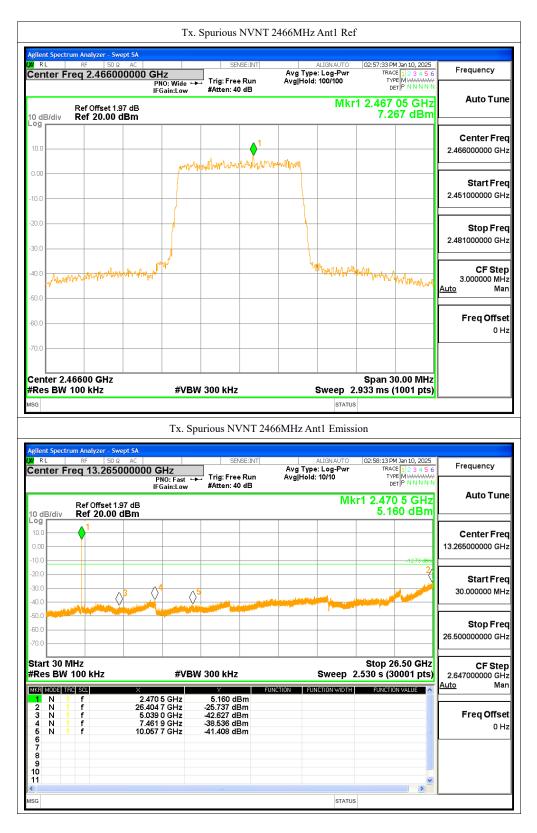
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gilent Spect	trum Analyzer - Swept SA					
enter F	RF 50 Ω AC	0 GHz	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	02:52:27 PM Jan 10, 2025 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide IFGain:Low	#Atten: 30 dB	Avg Hold: 100/100	TYPE MWWWWW DET PNNNNN	
0 dB/div	Ref Offset 1.95 dB Ref 20.00 dBm			Mkr′	1 2.432 76 GHz 5.245 dBm	Auto Tuno
.og						Center Free
10.0			1			2.433000000 GH
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20.0						Stop Free
30.0						2.448000000 GH
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40.0	pul n Manusan Marialy	m/m		* การประการการการการการการการการการการการการการก	myunumumu	3.000000 MH Auto Mar
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center 2.	.43300 GHz				Span 30.00 MHz	
	100 kHz	#VE	SW 300 kHz	Sween 2		
				-	.933 ms (1001 pts)	
ISG		Tx. S	purious NVNT 24	33MHz Ant1 Emissi		
gilent Spect	rum Analyzer - Swept SA RF 50 Ω AC Freq 13.2650000		SENSE:INT	STATUS	001 02:53:07 PM Jan 10, 2025 TRACE 12 23 4 5 6 TYPE MAXWAWA	Frequency
gilent Spect (RL Center F	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE 12:34 5.6 TYPE PNNNN per PNNNN r1 2.435 2 GHz	
gilent Spect / RL Center F	RF 50 Q AC Freq 13.2650000	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	01 02:53:07 PM Jan 10, 2025 TRACE [] 2 3 4 5 6 TYPE [MWWWWW DET [P N N N N	Auto Tun
gilent Spect RL Center F O dB/div O dB/div 10.0	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE 12:34 5.6 TYPE PNNNN per PNNNN r1 2.435 2 GHz	Auto Tun Center Fre
gilent Spect RL Center F O dB/div O dB/div O dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 0 dB/div 10.0	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE 12:34 5.6 TYPE PNNNN per PNNNN r1 2.435 2 GHz	Auto Tun Center Free
gilent Spect % RL Center F 0 dB/div °g 10.0 .00 .00 .00 .00 .00 .00 .0	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE MANNANN 0ET[P NNNNN r1 2.435 2 GHz 3.227 dBm	Auto Tun Center Free 13.26500000 GH
glent Spect R L Center F 10.0 10.0 20.0 30.0	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE MANNANN 0ET[P NNNNN r1 2.435 2 GHz 3.227 dBm	Auto Tun Center Free 13.26500000 GH
gilent Spect (RL Center F 10 dB/div • 0 g 10.0 0.00 10.0	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE MANNANN 0ET[P NNNNN r1 2.435 2 GHz 3.227 dBm	Auto Tun Center Free 13.26500000 GH Start Free 30.000000 MH
gilent Spect (RL Center F 10.0 0.00 10.0	RF 50Ω AC	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE MANNANN 0ET[P NNNNN r1 2.435 2 GHz 3.227 dBm	Auto Tun Center Free 13.26500000 GH Start Free 30.000000 MH
gilent Spect	Ref 0ffset 1.95 dE Ref 0ffset 1.95 dE Ref 20.00 dBm	DOO GHz PNO: Fast IFGain:Low	SENSE:INT	STATUS 33MHz Ant1 Emissi Alignauto Avg Type: Log-Pwr Avg[Hold: 10/10	on 02:53:07 PM Jan 10, 2025 TRACE [1:3 4 5 6 TYPE [1:3 4 5 6 TYPE [MANNHOW DET [P NN N N r1 2.435 2 GHz 3.227 dBm -14.76 dBm 2 -14.76 dBm	Аиto Tun Center Free 13.26500000 GH Start Free 30.000000 MH Stop Free 26.50000000 GH
gilent Spect g RL Center F 2enter F 10.0 0.00 10.0 20.0 30.0 40.0 50	Ref 0ffset 1.95 dE Ref 20.00 dBm	PN0: Fast IFGain:Low	SENSE:INT	STATUS	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE [1:3:4 5 7 TYPE [1:3	Auto Tun Center Free 13.26500000 GH Start Free 30.000000 MH Stop Free 26.50000000 GH
gilent Spect a RL Center F 10 dB/div - 9 g 10.0 0.00 10.0 20.0 30.0 40.0 50.0	RF 50 Ω AC Freq 13.2650000 Ref Offset 1.95 dE Ref 20.00 dBm 1 1 1 <t< td=""><td>2.435 2 GHz</td><td>SENSE:INT → Trig: Free Run #Atten: 30 dB</td><td>ALIGNAUTO Avg Type: Log-Pwr Avg hold: 10/10 Mkr</td><td>on 02:53:07 PM Jan 10, 2025 IRACE [] 23 4 5 6 TYPE IMVINION 001 11 2.435 2 GHz 3.227 dBm -1475 dBm -24 -1475 dBm -24 -1475 dBm -1475 dBm -147</td><td>Frequency Auto Tune Center Frequency 13.265000000 GH Start Frequency 30.000000 MH Stop Frequency 26.50000000 GH CF Steg 2.64700000 GH</td></t<>	2.435 2 GHz	SENSE:INT → Trig: Free Run #Atten: 30 dB	ALIGNAUTO Avg Type: Log-Pwr Avg hold: 10/10 Mkr	on 02:53:07 PM Jan 10, 2025 IRACE [] 23 4 5 6 TYPE IMVINION 001 11 2.435 2 GHz 3.227 dBm -1475 dBm -24 -1475 dBm -24 -1475 dBm -1475 dBm -147	Frequency Auto Tune Center Frequency 13.265000000 GH Start Frequency 30.000000 MH Stop Frequency 26.50000000 GH CF Steg 2.64700000 GH
gilent Spect @ RL Center F O dB/div Og 10.0 000 10.0 000 10.0 000 10.0 20.0 30.0 40.0 50.0 60.0 51.0 52.0 53.0 53.0	Ref Offset 1.95 dE Ref 20.00 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	#VE	SENSE:INT Trig: Free Run #Atten: 30 dB 5 5 5 5 5 5 5 5 5 5 5 5 5	STATUS	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3	Auto Tune Center Free 13.265000000 GH Start Free 30.00000 MH Stop Free 26.50000000 GH CF Step 2.64700000 GH Auto Freq Offsee
Image: second	RF 50 Ω AC req 13.2650000 Ref Offset 1.95 dE Ref 20.00 dBm 1 1 1 1 1 1 MHz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PN0: Fast IFGain:Low 3 #VE	SENSE:INT Trig: Free Run #Atten: 30 dB	STATUS	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3	Start Free 30.000000 GH Start Free 30.000000 MH Stop Free 26.50000000 GH CF Step 2.647000000 GH Auto
gilent Spect @ RL Center F O dB/div °g 10.0 000 10.0 0.00 10.0 0.00 10.0 20.0 30.0 40.0 50.0 60.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 51.0 52.0 53.0 54.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0 7	RF 50 Ω AC req 13.2650000 Ref Offset 1.95 dE Ref 20.00 dBm 1 1 1 1 1 1 MHz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#VE	SENSE:INT Trig: Free Run #Atten: 30 dB	STATUS	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3	Auto Tun Center Free 13.265000000 GH Start Free 30.000000 MH Stop Free 26.500000000 GH CF Steg 2.647000000 GH Auto Main Freq Offsee
gilent Spect 2 RL 2 enter F 10 dB/div - 9 g 10 0 0 00 10 0 20 0 20 20 0 20 0 2	RF 50 Ω AC req 13.2650000 Ref Offset 1.95 dE Ref 20.00 dBm 1 1 1 1 1 1 MHz 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#VE	SENSE:INT Trig: Free Run #Atten: 30 dB	STATUS	on 02:53:07 PM Jan 10, 2025 TRACE [1:3:4 5 6 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3:4 5 7 TYPE [1:3	Auto Tun Center Free 13.265000000 GH Start Free 30.000000 MH Stop Free 26.500000000 GH CF Steg 2.647000000 GH Auto Main Freq Offsee

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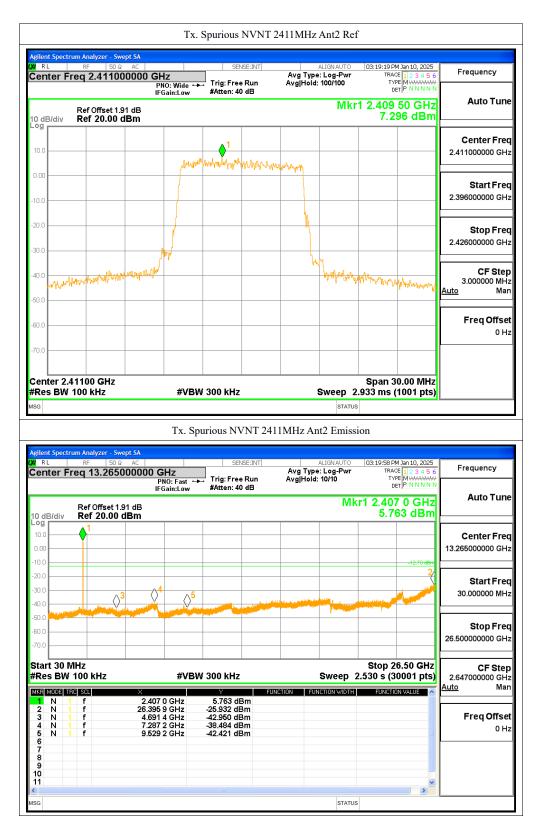




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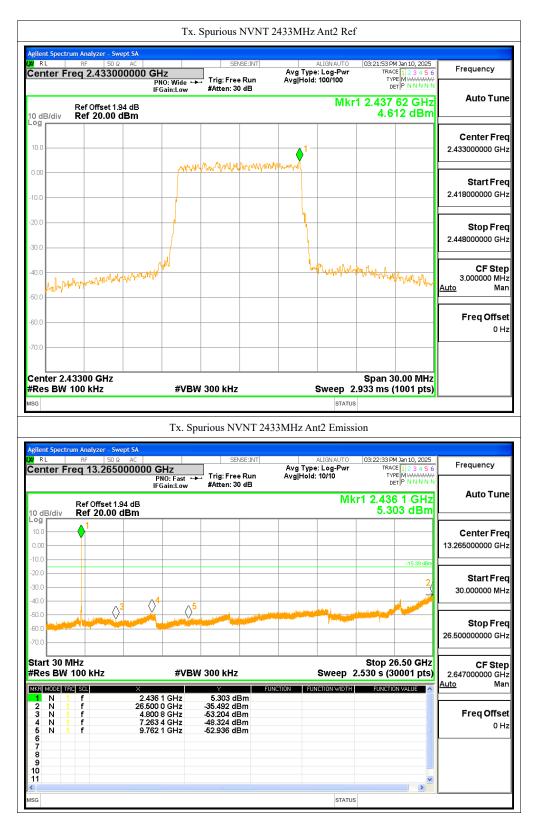




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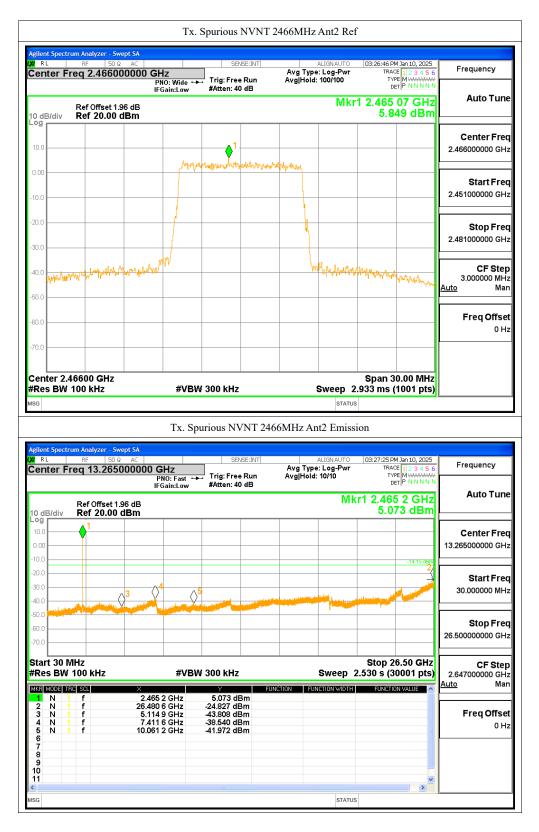




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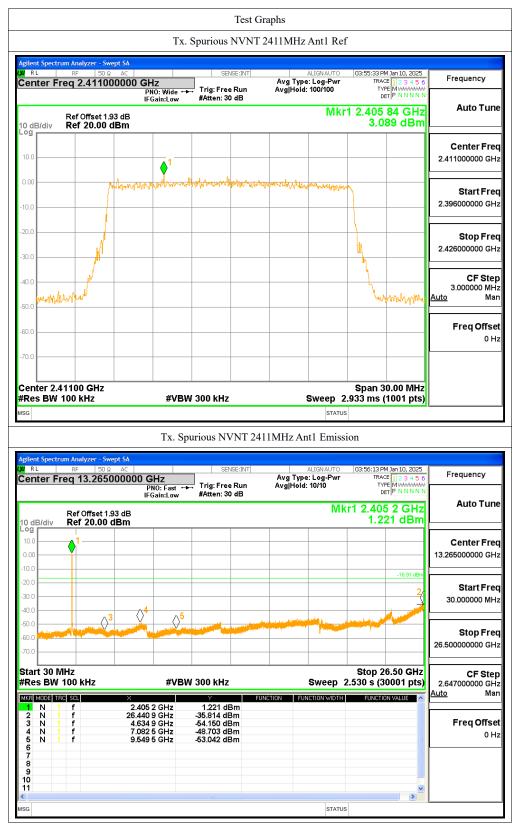


20M Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict	
		2411		-38.9	-20	Pass	
		2433	Ant1	-38.36	-20	Pass	
NVNT		2466		-29.66	-20	Pass	
	-	2411		-29.68	-20	Pass	
			2433	Ant2	-37.91	-20	Pass
		2466		-29.74	-20	Pass	

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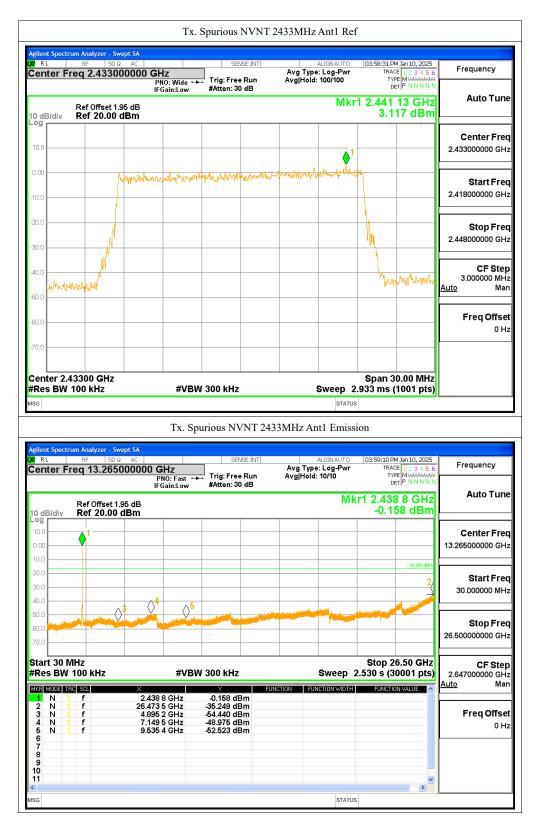




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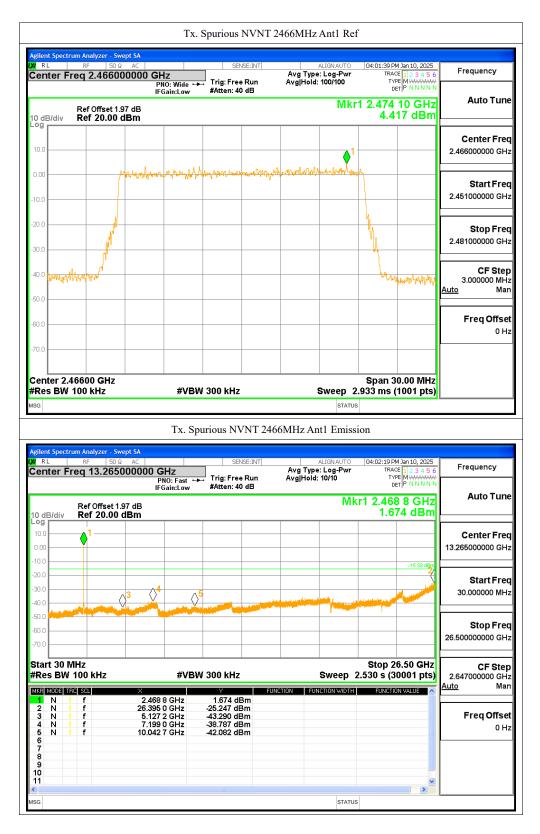




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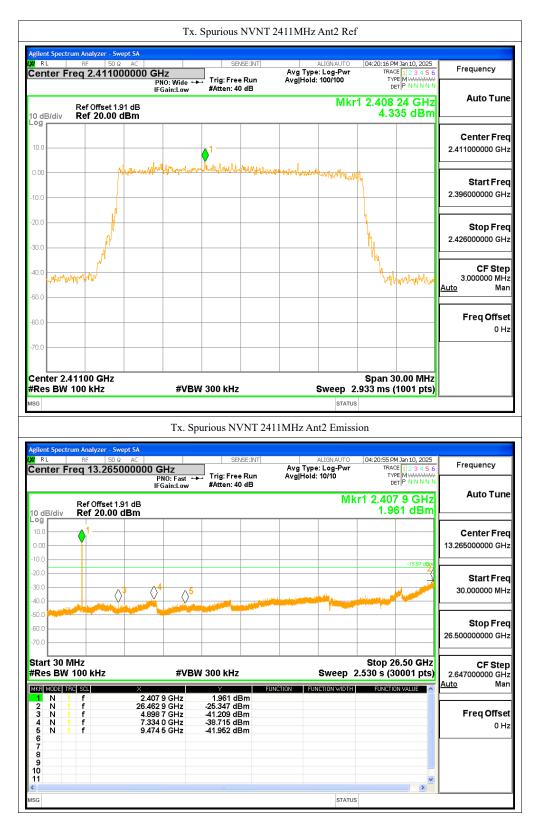




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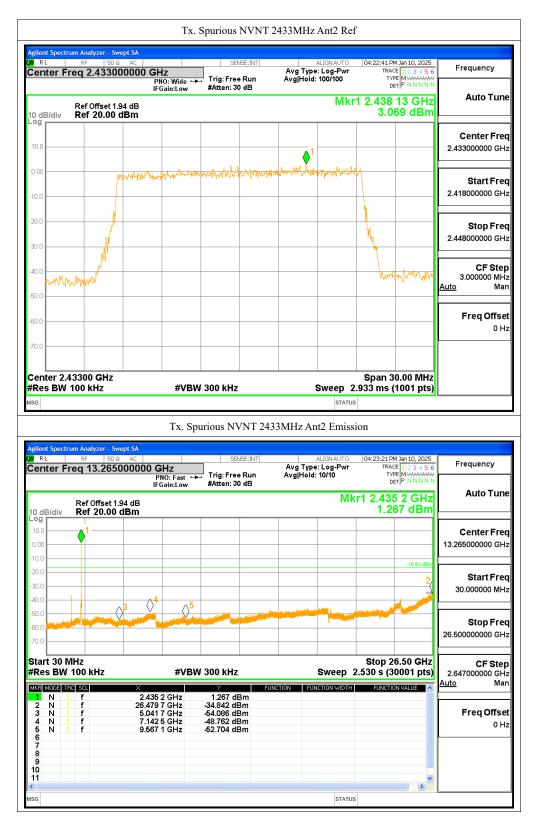




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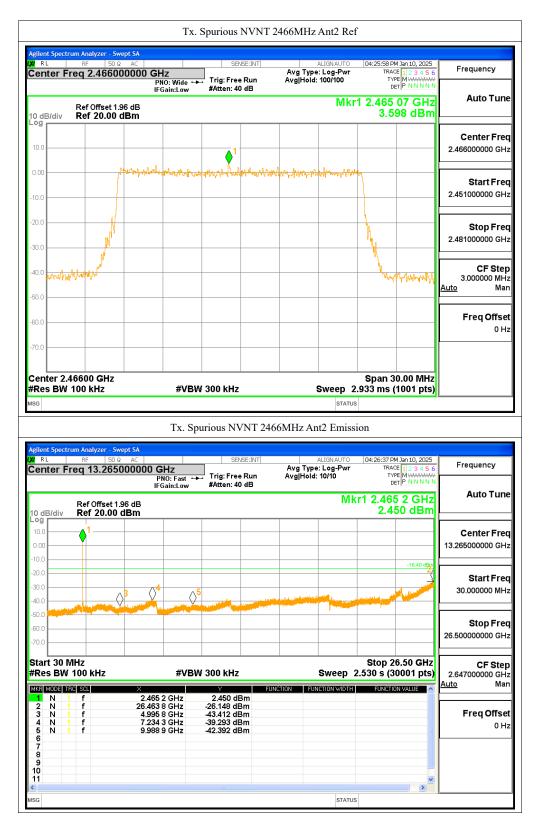




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10.5 Restricted band Measurement

EUT	Remote Control			Model		Agri-Pro H20	
Mode	Kee	eping Transmitting		Test Voltage		DC3.7V	
Temperature		24 deg. C,		Hum	nidity	56% RH	
Test Result:		Pass		Dete	ector	РК	
10M Bandwidth, Low Channel, Horizontal							
2390	PK (dBµV/m)	42.29	T :		74(dBµV/m)		
	AV ($dB\mu V/m$)		Limit			54(dBµV/m)	
10M Bandwidth, Low Channel, Vertical							
2390	PK (dBµV/m)	46.53	Limit			74(dBµV/m)	
	AV ($dB\mu V/m$)			mı		54(dBµV/m)	

10.5 Restricted band Measurement

EUT	Remote Control			М	odel	Agri-Pro H20		
Mode	Ke	eping Transmitting		Test Voltage		DC3.7V		
Temperature		24 deg. C,		Hur	nidity	56% RH		
Test Result:		Pass		Det	ector	РК		
	10M Bandwidth, High Channel, Horizontal							
2483.5	PK (dBµV/m)	46.93	т:			$74(dB\mu V/m)$		
	AV ($dB\mu V/m$)		Limi	lt		54(dBµV/m)		
10M Bandwidth, High Channel, Vertical								
2483.5	PK (dBµV/m)	52.18	Limi	Limit		74(dBµV/m)		
	AV ($dB\mu V/m$)			ll		54(dBµV/m)		

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10.5 Restricted band Measurement

EUT	Remote Control			Model		Agri-Pro H20	
Mode	Ke	eping Transmitting		Test	Voltage	DC3.7V	
Temperature		24 deg. C,		Hu	nidity	56% RH	
Test Result:		Pass		De	tector	РК	
	20M Bandwidth, Low Channel, Horizontal						
2390	PK (dBµV/m)	43.87	T:			74(dBµV/m)	
	AV ($dB\mu V/m$)		Limit			54(dBµV/m)	
20M Bandwidth, Low Channel Vertical							
2390	PK (dBµV/m)	48.09	Limit			74(dBµV/m)	
	AV ($dB\mu V/m$)			1111		54(dBµV/m)	

Restricted band Measurement 10.5

EUT	Remote Control				Iodel	Agri-Pro H20		
Mode	Ke	eping Transmitting		Test	Voltage	DC3.7V		
Temperature		24 deg. C,		Hu	midity	56% RH		
Test Result:		Pass		De	etector	РК		
	20M Bandwidth, High Channel, Horizontal							
2483.5	PK (dBµV/m)	50.96	т.	•,	74(dBµV/m)			
	AV ($dB\mu V/m$)		Lim	Limit		54(dBµV/m)		
20M Bandwidth, High Channel, Vertical								
2483.5	PK (dBµV/m)	58.73	T • •/			74(dBµV/m)		
	AV ($dB\mu V/m$)	46.21	Lim	lt		54(dBµV/m)		

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12.0 Antenna Requirement

12.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

12.2 Antenna Connected construction

Dipole antennas with gain 3.90dBi Max for each one (Get from the antenna specification)

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13.0 FCC ID Label

FCC ID: 2BM3J-H20

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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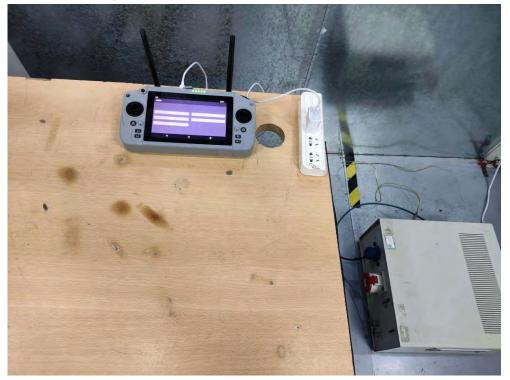
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14.0 Photo of testing

Conducted Emission Test Setup:



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Radiated Emission Test Setup:



Photographs – EUT Please refer test report TW2501110-01E

-End of the report-

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