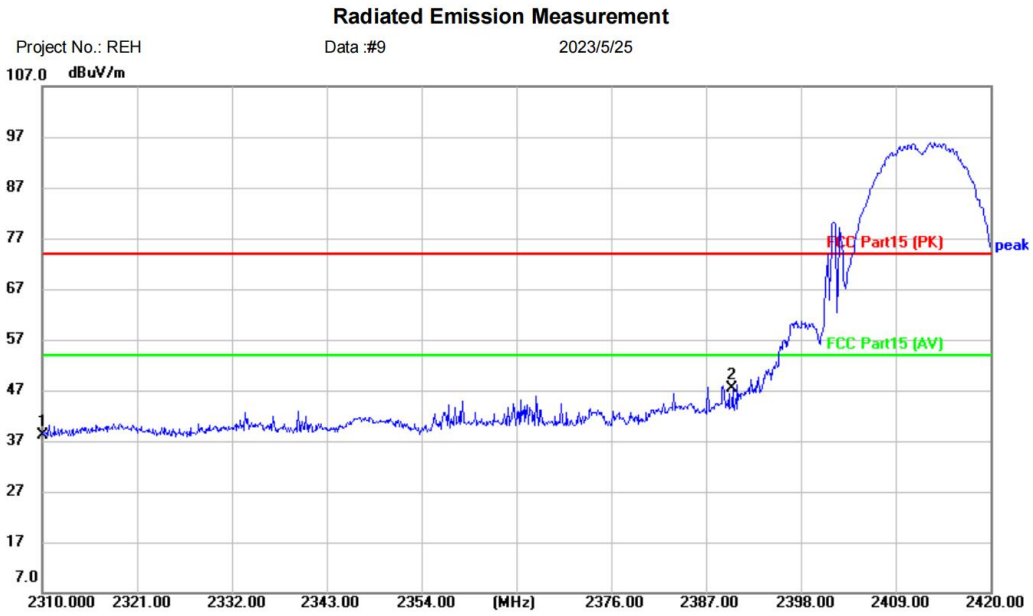
h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
j. Repeat above procedures until all frequencies measured was complete.
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

14.4 TEST DATA

[TestMode: TX b low channel]; [Polarity: Horizontal]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11B-TX-L
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.50	-4.27	38.23	74.00	-35.77	peak	
2	*	2390.000	51.22	-3.82	47.40	74.00	-26.60	peak	

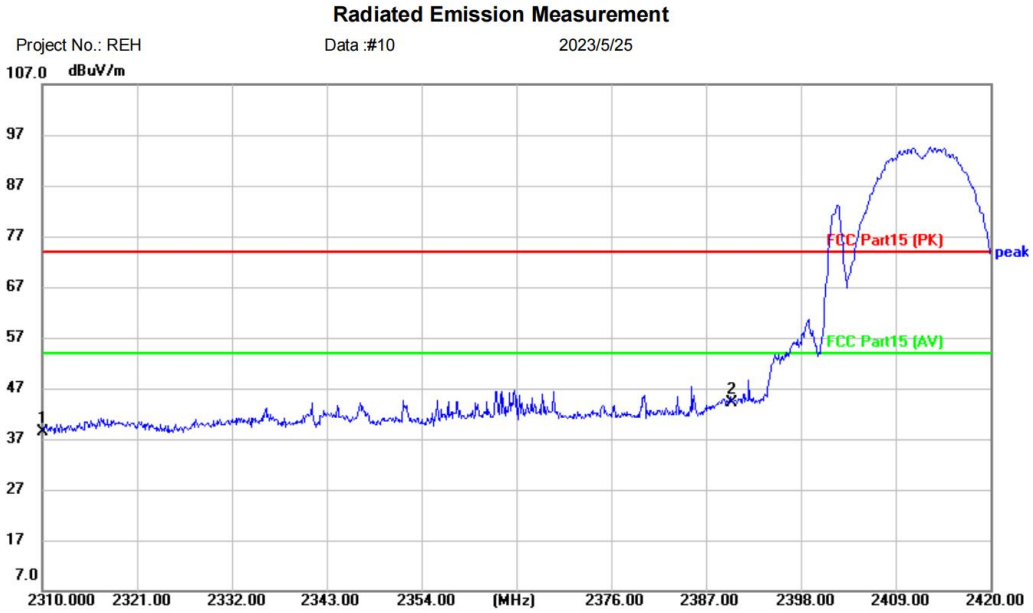
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX b low channel]; [Polarity: Vertical]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11B-TX-L
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

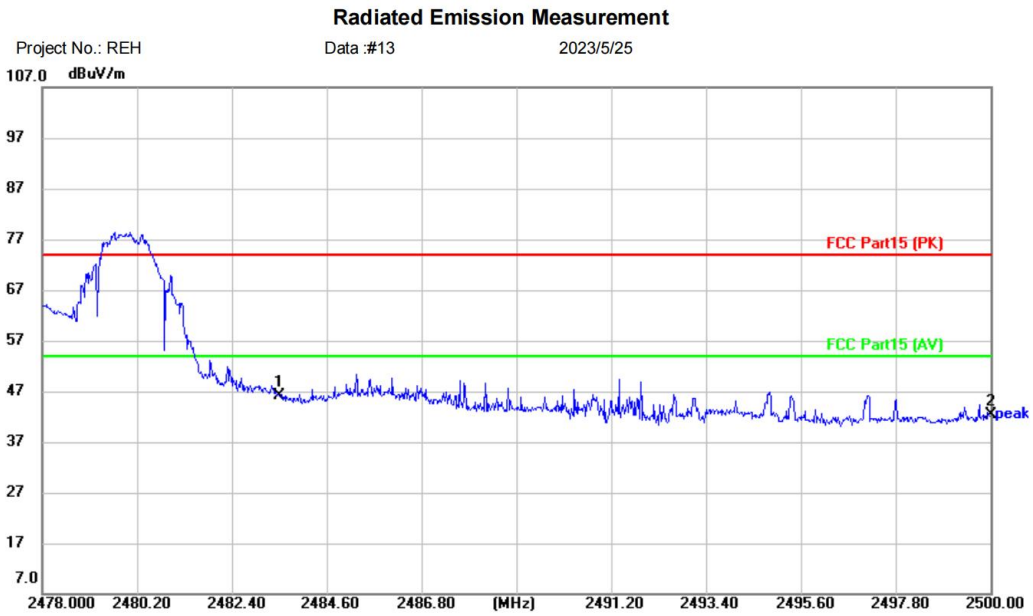
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.74	-4.27	38.47	74.00	-35.53	peak	
2	*	2390.000	48.02	-3.82	44.20	74.00	-29.80	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G
Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX b low channel channel]; [Polarity: Horizontal]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11B-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	50.10	-3.96	46.14	74.00	-27.86	peak	
2		2500.000	46.34	-4.00	42.34	74.00	-31.66	peak	

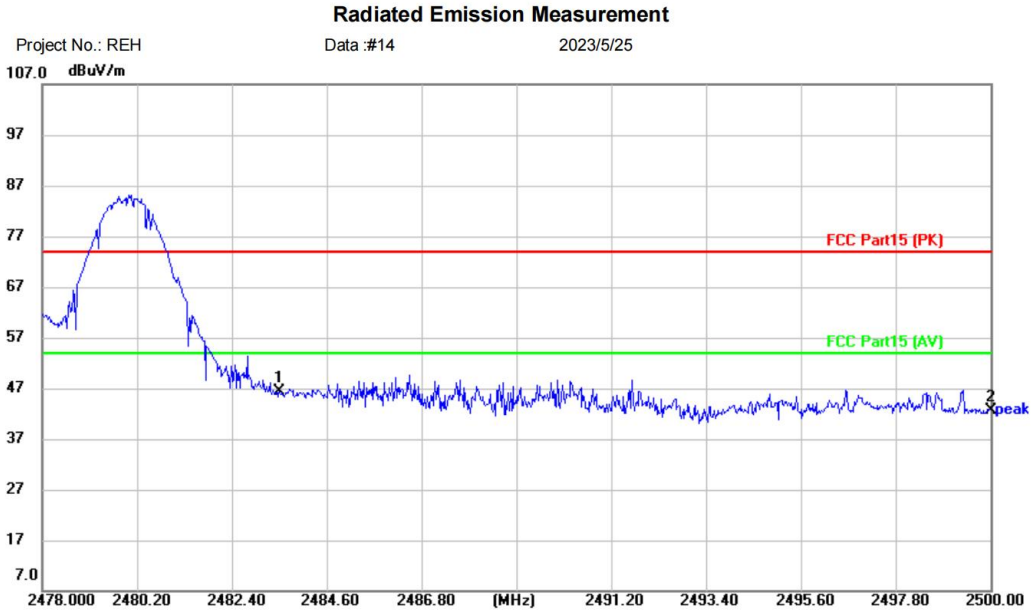
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX b low channel channel]; [Polarity: Vertical]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11B-TX-H
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

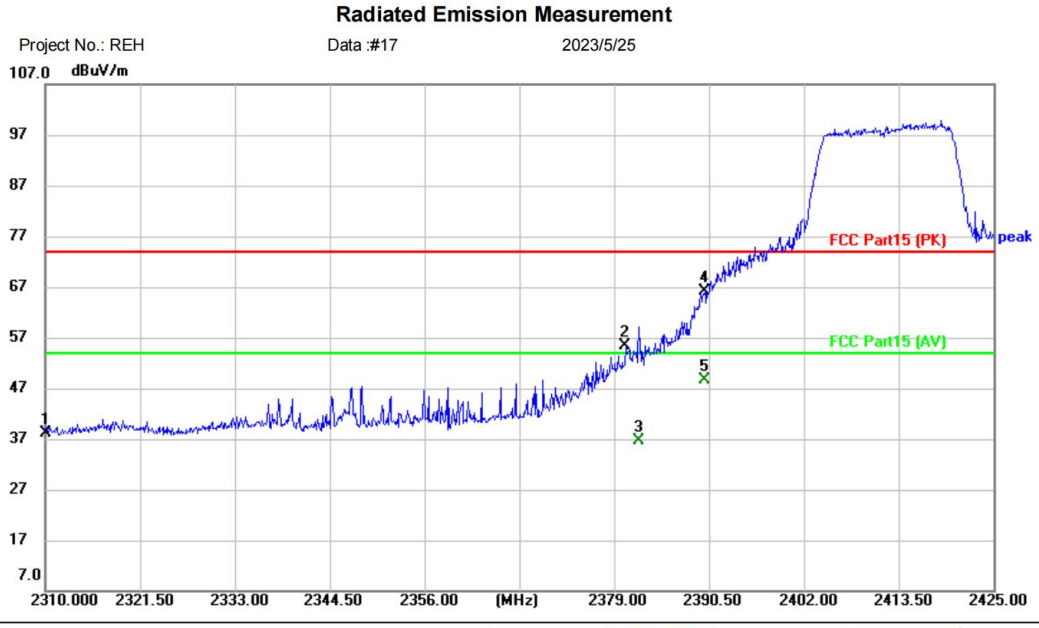
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	50.45	-3.96	46.49	74.00	-27.51	peak	
2		2500.000	46.56	-4.00	42.56	74.00	-31.44	peak	

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G
Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX g high channel channel]; [Polarity: Horizontal]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11G-TX-L
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.49	-4.27	38.22	74.00	-35.78	peak	
2		2380.380	59.14	-3.88	55.26	74.00	-18.74	peak	
3		2381.990	40.51	-3.87	36.64	54.00	-17.36	AVG	
4		2390.000	70.04	-3.82	66.22	74.00	-7.78	peak	
5	*	2390.000	52.54	-3.82	48.72	54.00	-5.28	AVG	

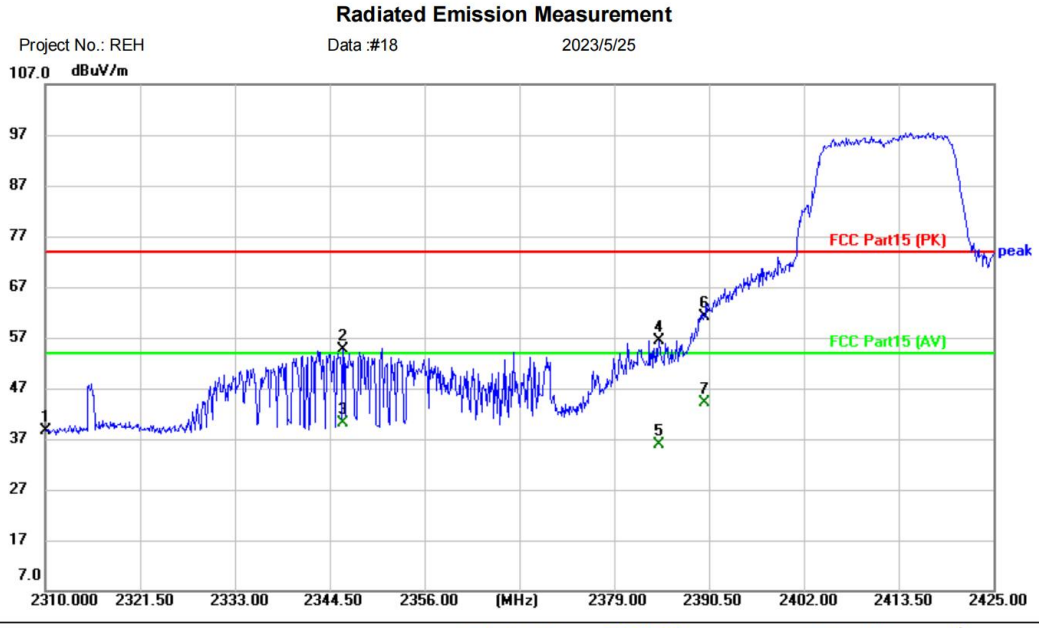
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX g high channel channel]; [Polarity: Vertical]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11G-TX-L
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.81	-4.27	38.54	74.00	-35.46	peak	
2		2346.110	58.72	-4.07	54.65	74.00	-19.35	peak	
3		2346.110	44.22	-4.07	40.15	54.00	-13.85	AVG	
4		2384.405	60.35	-3.85	56.50	74.00	-17.50	peak	
5		2384.405	39.77	-3.85	35.92	54.00	-18.08	AVG	
6		2390.000	64.92	-3.82	61.10	74.00	-12.90	peak	
7	*	2390.000	48.01	-3.82	44.19	54.00	-9.81	AVG	

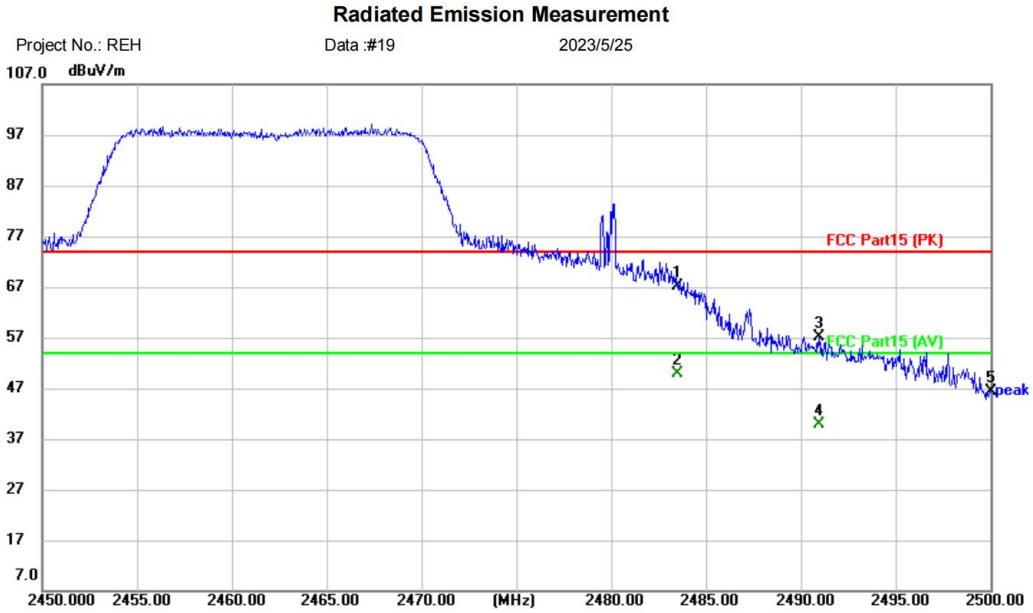
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX g low channel channel]; [Polarity: Horizontal]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11G-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	71.13	-3.96	67.17	74.00	-6.83	peak	
2	*	2483.500	53.76	-3.96	49.80	54.00	-4.20	AVG	
3		2490.950	61.10	-3.97	57.13	74.00	-16.87	peak	
4		2490.950	43.86	-3.97	39.89	54.00	-14.11	AVG	
5		2500.000	50.49	-4.00	46.49	74.00	-27.51	peak	

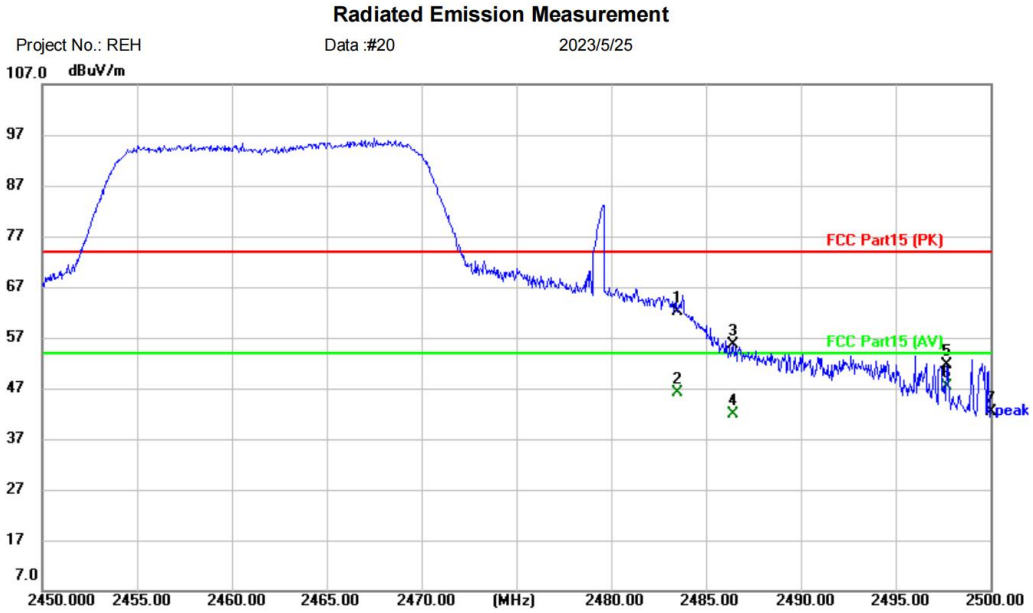
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX g low channel channel]; [Polarity: Vertical]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11G-TX-H
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	66.12	-3.96	62.16	74.00	-11.84	peak	
2		2483.500	50.04	-3.96	46.08	54.00	-7.92	AVG	
3		2486.400	59.51	-3.97	55.54	74.00	-18.46	peak	
4		2486.400	45.86	-3.97	41.89	54.00	-12.11	AVG	
5		2497.700	55.54	-3.99	51.55	74.00	-22.45	peak	
6	*	2497.700	51.36	-3.99	47.37	54.00	-6.63	AVG	
7		2500.000	46.33	-4.00	42.33	74.00	-31.67	peak	

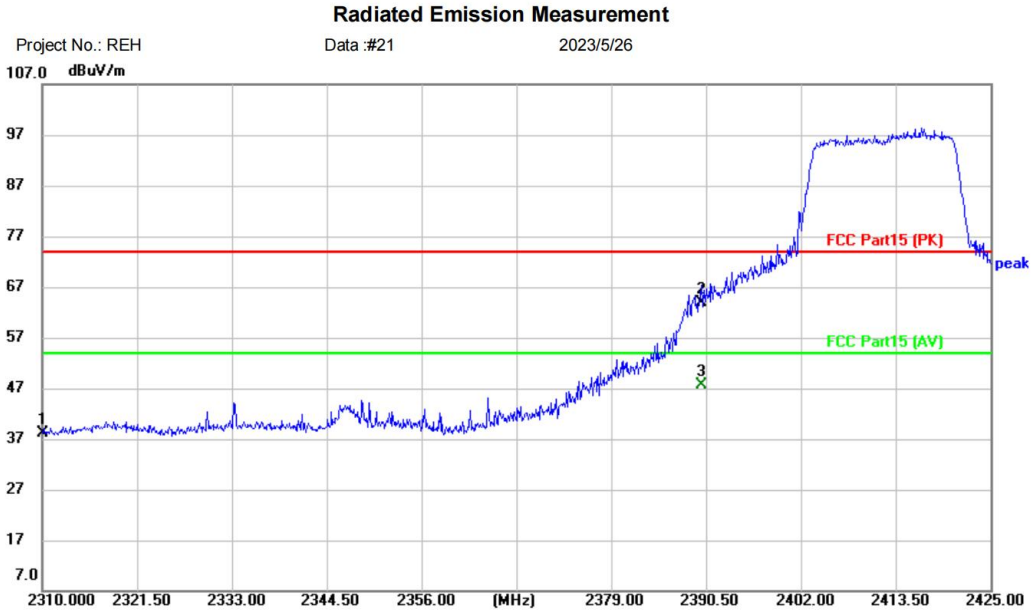
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX n20 low channel]; [Polarity: Horizontal]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11N20-TX-L
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.49	-4.27	38.22	74.00	-35.78	peak	
2		2390.000	67.61	-3.82	63.79	74.00	-10.21	peak	
3	*	2390.000	51.51	-3.82	47.69	54.00	-6.31	AVG	

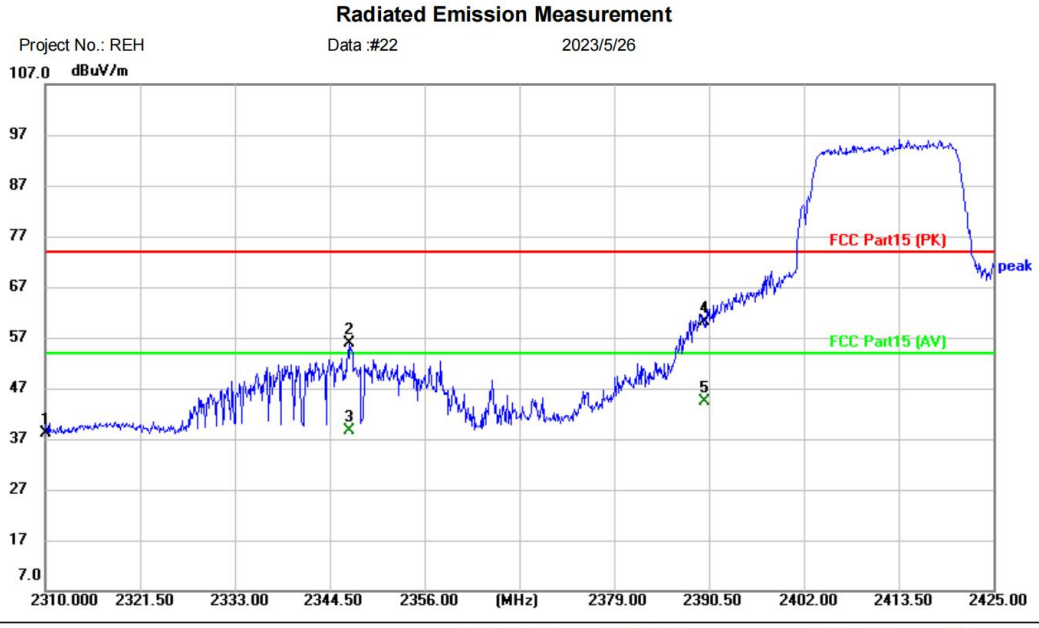
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX n20 low channel]; [Polarity: Vertical]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11N20-TX-L
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

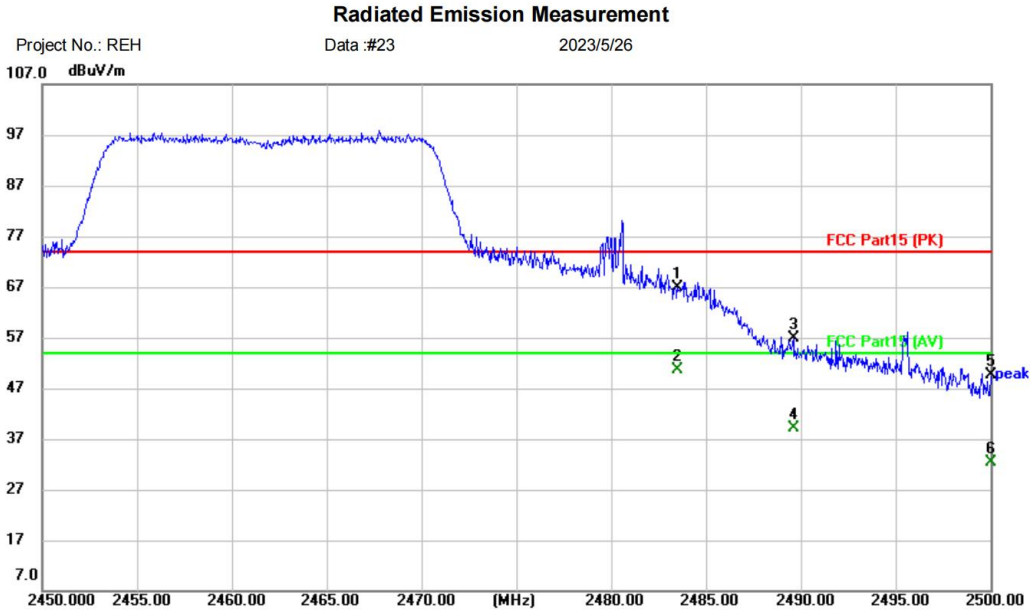
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	42.51	-4.27	38.24	74.00	-35.76	peak	
2		2346.915	59.98	-4.06	55.92	74.00	-18.08	peak	
3		2346.915	42.61	-4.06	38.55	54.00	-15.45	AVG	
4		2390.000	63.95	-3.82	60.13	74.00	-13.87	peak	
5	*	2390.000	48.11	-3.82	44.29	54.00	-9.71	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G
Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX n20 high channel]; [Polarity: Horizontal]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11N20-TX-H
Note:

Polarization: ***Horizontal***
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	70.93	-3.96	66.97	74.00	-7.03	peak	
2	*	2483.500	54.65	-3.96	50.69	54.00	-3.31	AVG	
3		2489.600	60.74	-3.97	56.77	74.00	-17.23	peak	
4		2489.600	43.21	-3.97	39.24	54.00	-14.76	AVG	
5		2500.000	53.65	-4.00	49.65	74.00	-24.35	peak	
6		2500.000	36.37	-4.00	32.37	54.00	-21.63	AVG	

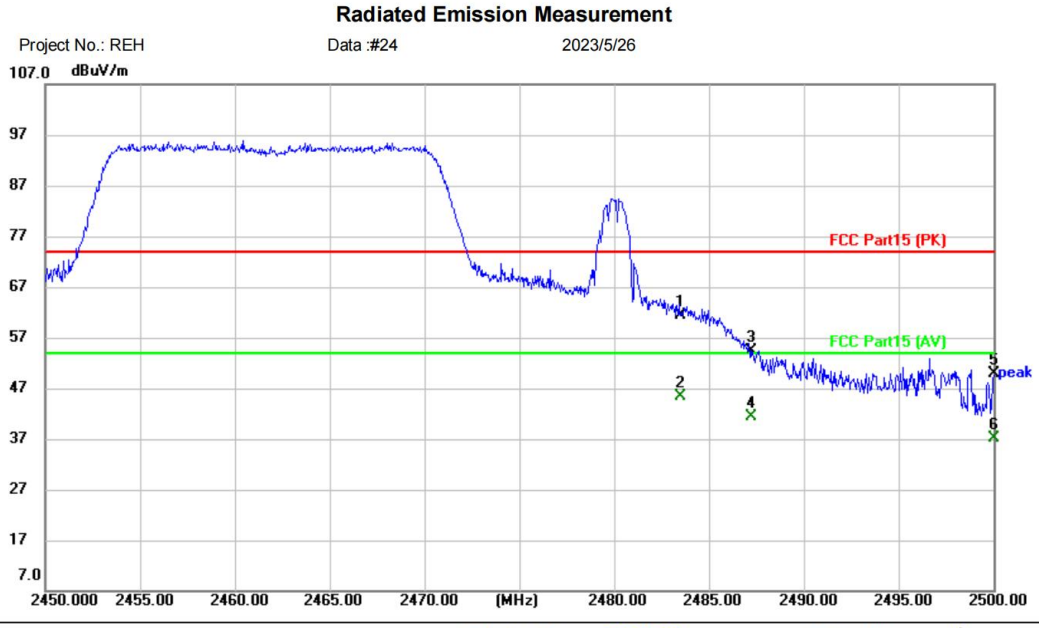
*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

[TestMode: TX n20 high channel]; [Polarity: Vertical]



Site
Limit: FCC Part15 (PK)
EUT: DEKCO Solar Floodlight Cam SE
M/N: DL9E2CA11
Mode: 2.4GWiFi-11N20-TX-H
Note:

Polarization: *Vertical*
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	65.23	-3.96	61.27	74.00	-12.73	peak	
2	*	2483.500	49.43	-3.96	45.47	54.00	-8.53	AVG	
3		2487.200	58.45	-3.98	54.47	74.00	-19.53	peak	
4		2487.200	45.48	-3.98	41.50	54.00	-12.50	AVG	
5		2500.000	53.81	-4.00	49.81	74.00	-24.19	peak	
6		2500.000	41.20	-4.00	37.20	54.00	-16.80	AVG	

*:Maximum data x:Over limit !:over margin 〈Reference Only

Receiver: ESR_1
Antenna: EZ 9120D 1G-18G

Spectrum Analyzer: FSP40
Engineer Signature:

Test Result: Pass

Remark:

1. Final Level =Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

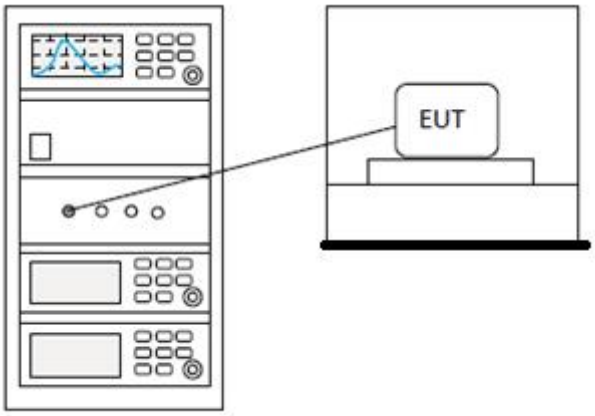
15 CONDUCTED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

15.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

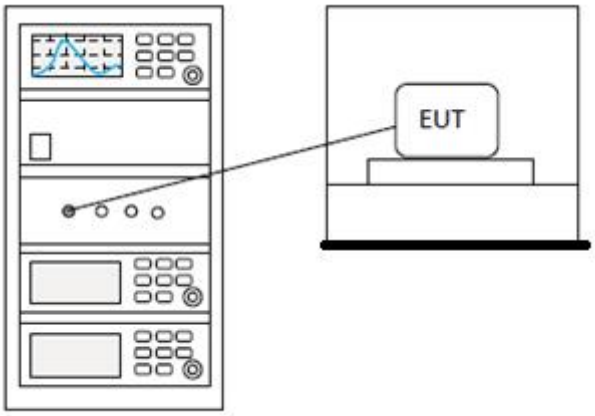
16 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

16.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

16.2 BLOCK DIAGRAM OF TEST SETUP



16.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

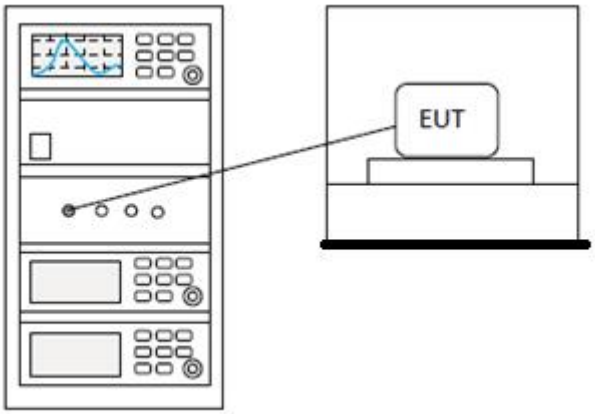
17 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

17.1 LIMITS

Limit:	≥500 kHz

17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

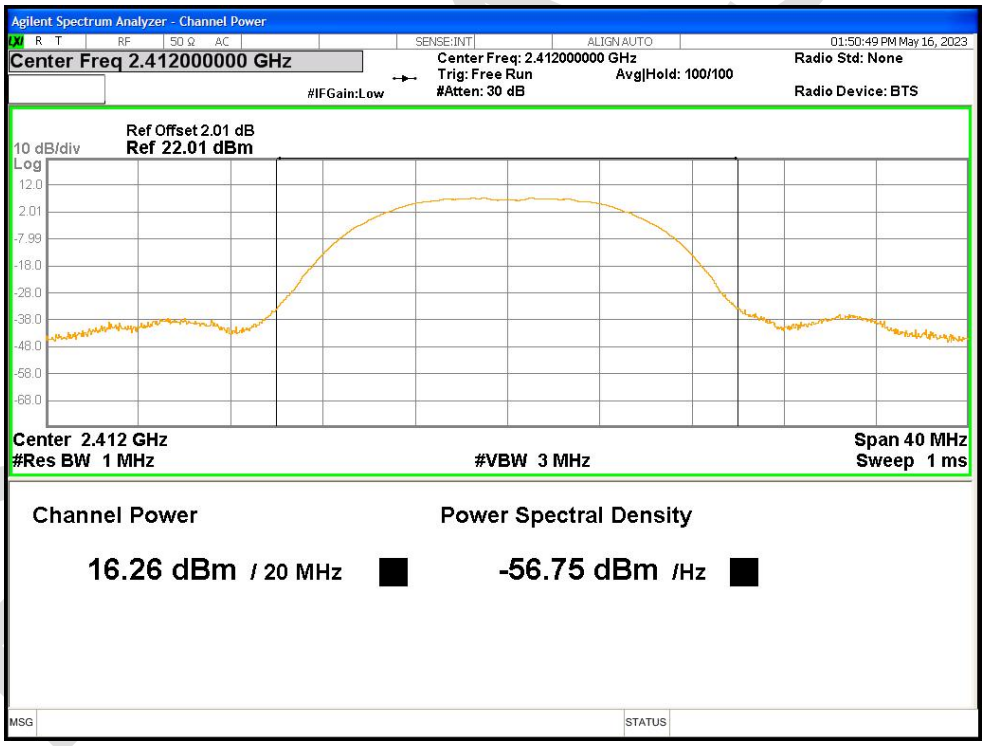
18 APPENDIX

Appendix1

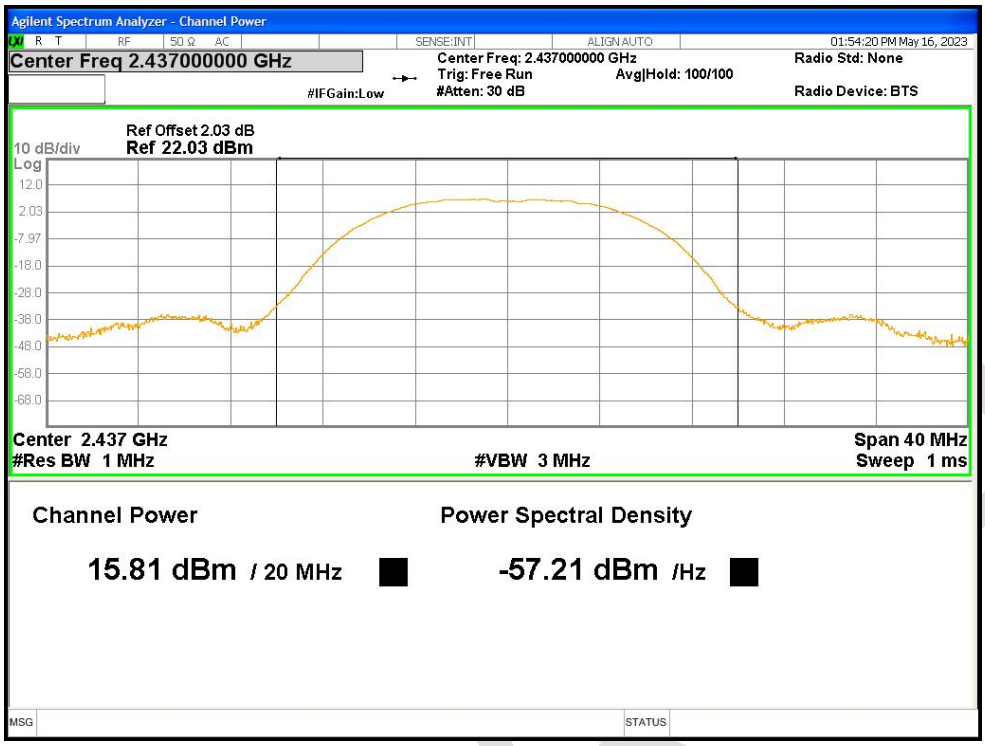
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.261	30	Pass
NVNT	b	2437	Ant1	15.805	30	Pass
NVNT	b	2462	Ant1	15.418	30	Pass
NVNT	g	2412	Ant1	21.118	30	Pass
NVNT	g	2437	Ant1	20.411	30	Pass
NVNT	g	2462	Ant1	20.099	30	Pass
NVNT	n20	2412	Ant1	19.39	30	Pass
NVNT	n20	2437	Ant1	18.96	30	Pass
NVNT	n20	2462	Ant1	18.645	30	Pass

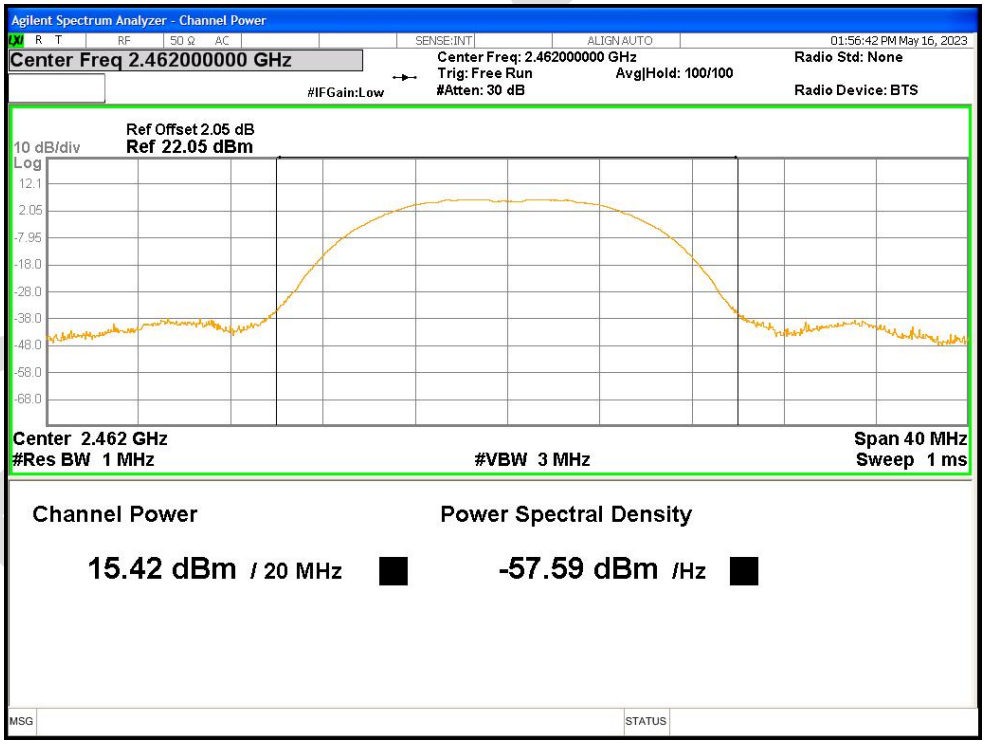
Power NVNT b 2412MHz Ant1



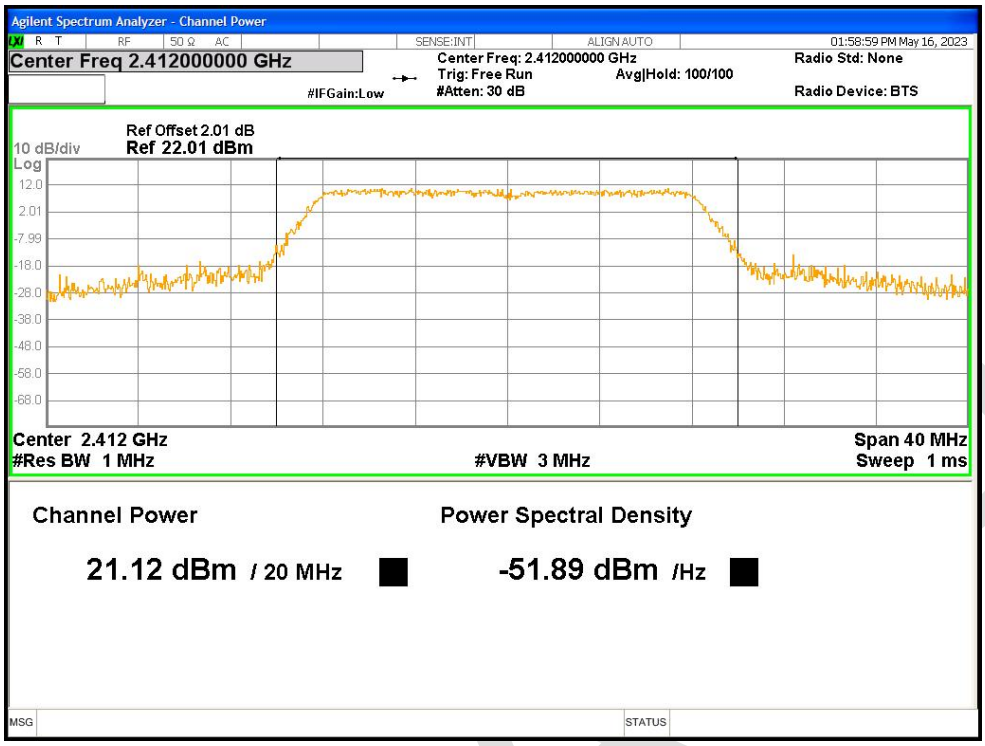
Power NVNT b 2437MHz Ant1



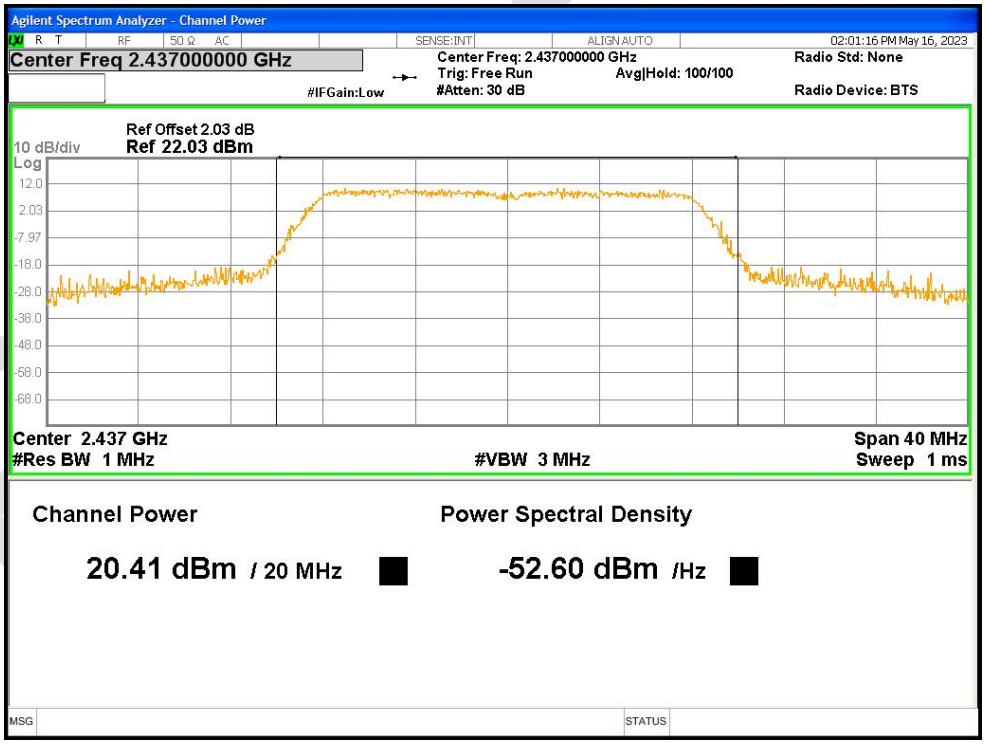
Power NVNT b 2462MHz Ant1



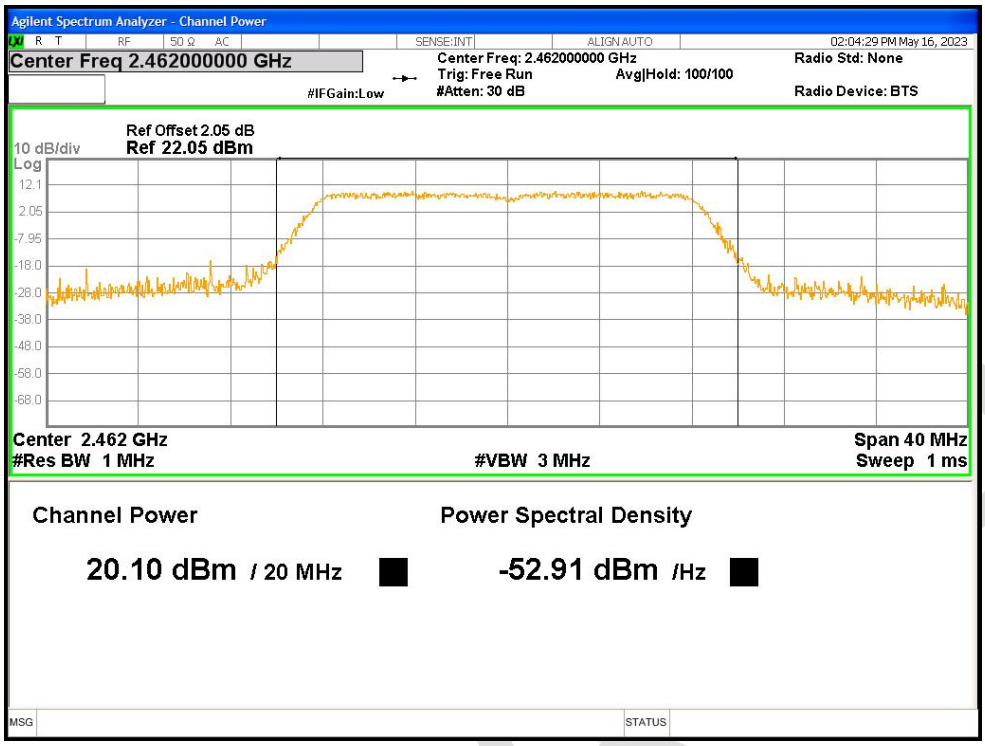
Power NVNT g 2412MHz Ant1



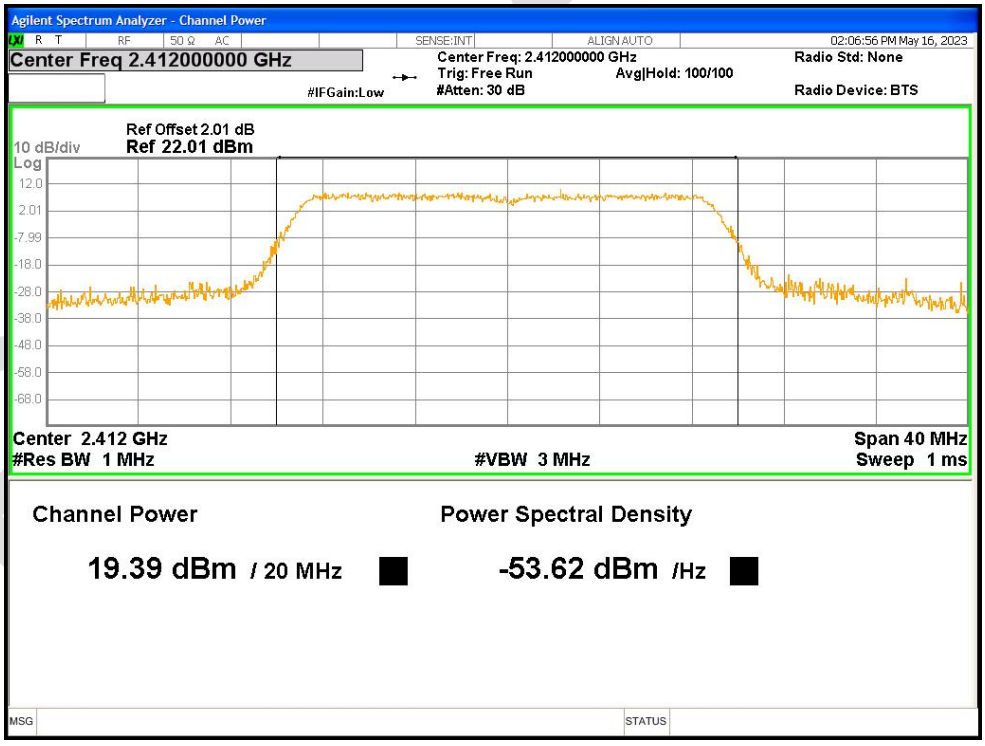
Power NVNT g 2437MHz Ant1



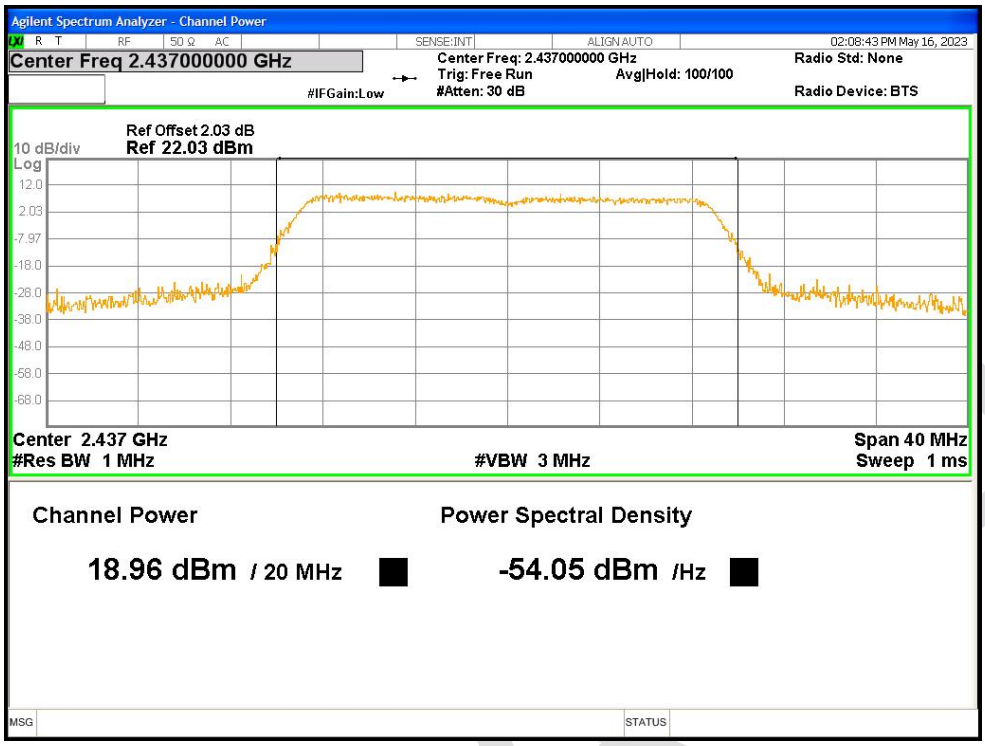
Power NVNT g 2462MHz Ant1



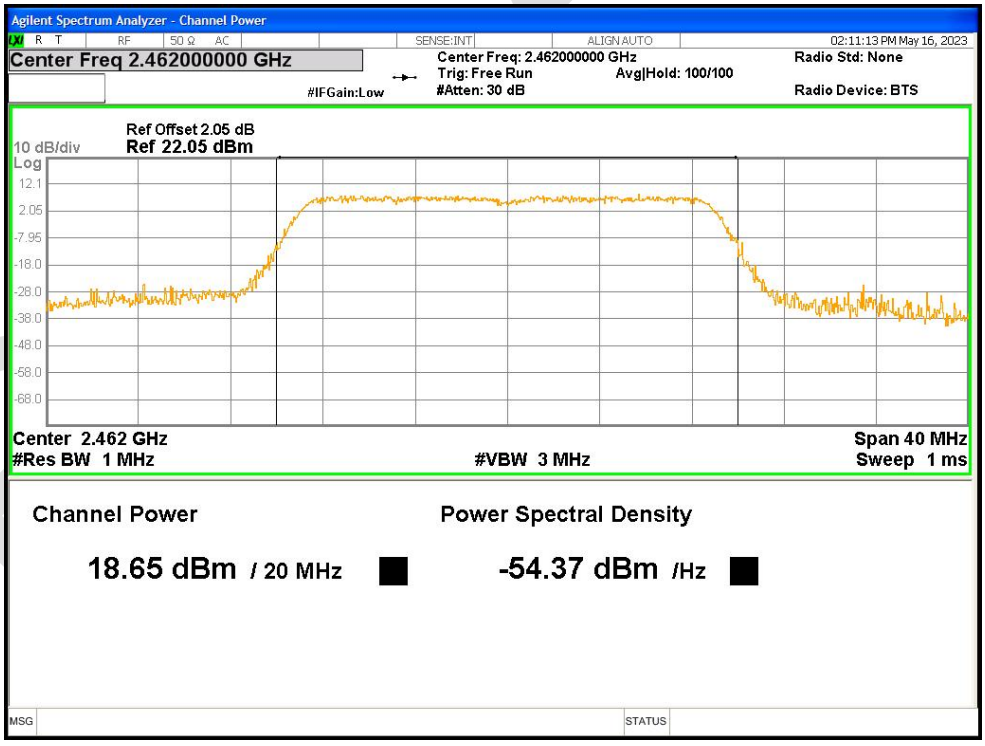
Power NVNT n20 2412MHz Ant1



Power NVNT n20 2437MHz Ant1



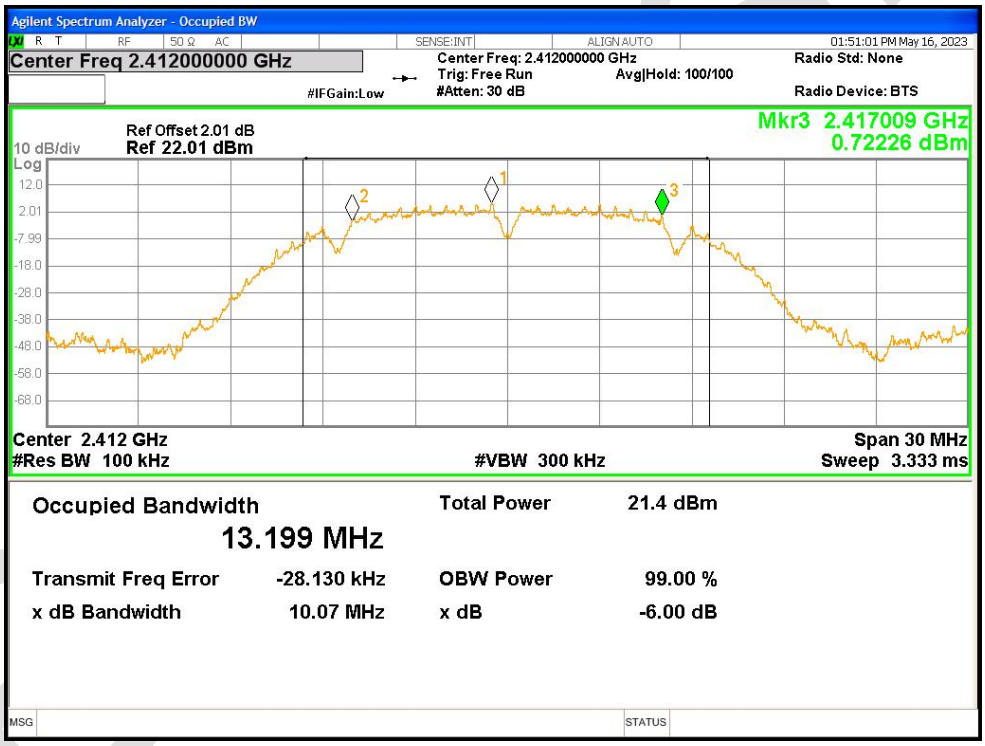
Power NVNT n20 2462MHz Ant1



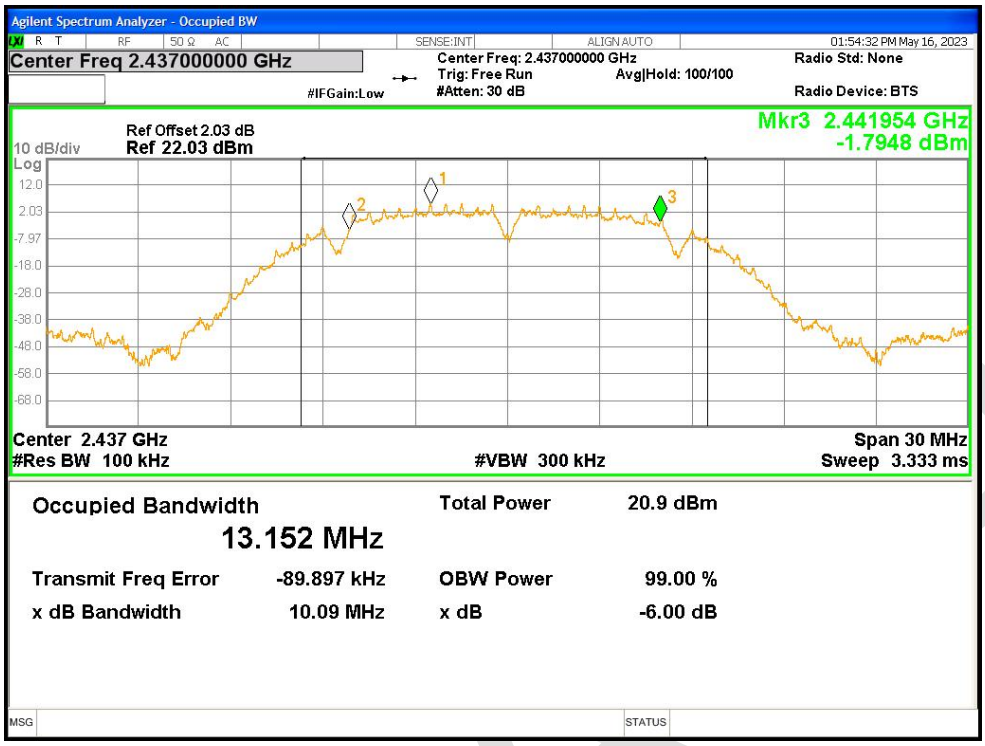
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.074	0.5	Pass
NVNT	b	2437	Ant1	10.089	0.5	Pass
NVNT	b	2462	Ant1	10.035	0.5	Pass
NVNT	g	2412	Ant1	16.348	0.5	Pass
NVNT	g	2437	Ant1	16.455	0.5	Pass
NVNT	g	2462	Ant1	16.361	0.5	Pass
NVNT	n20	2412	Ant1	17.584	0.5	Pass
NVNT	n20	2437	Ant1	17.596	0.5	Pass
NVNT	n20	2462	Ant1	17.607	0.5	Pass

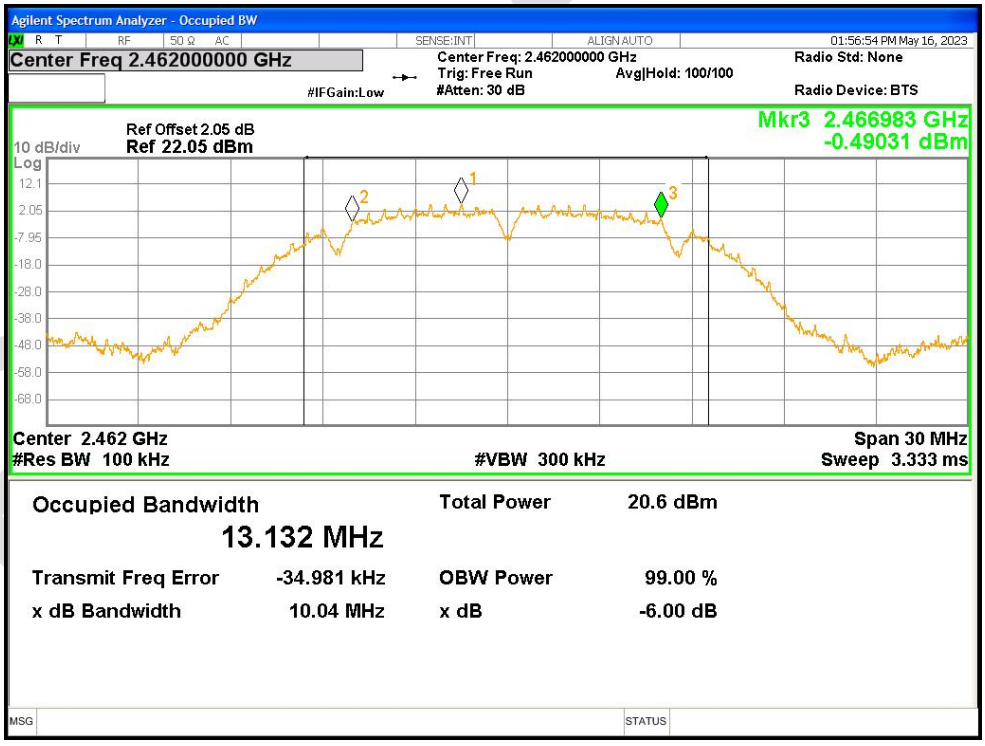
-6dB Bandwidth NVNT b 2412MHz Ant1



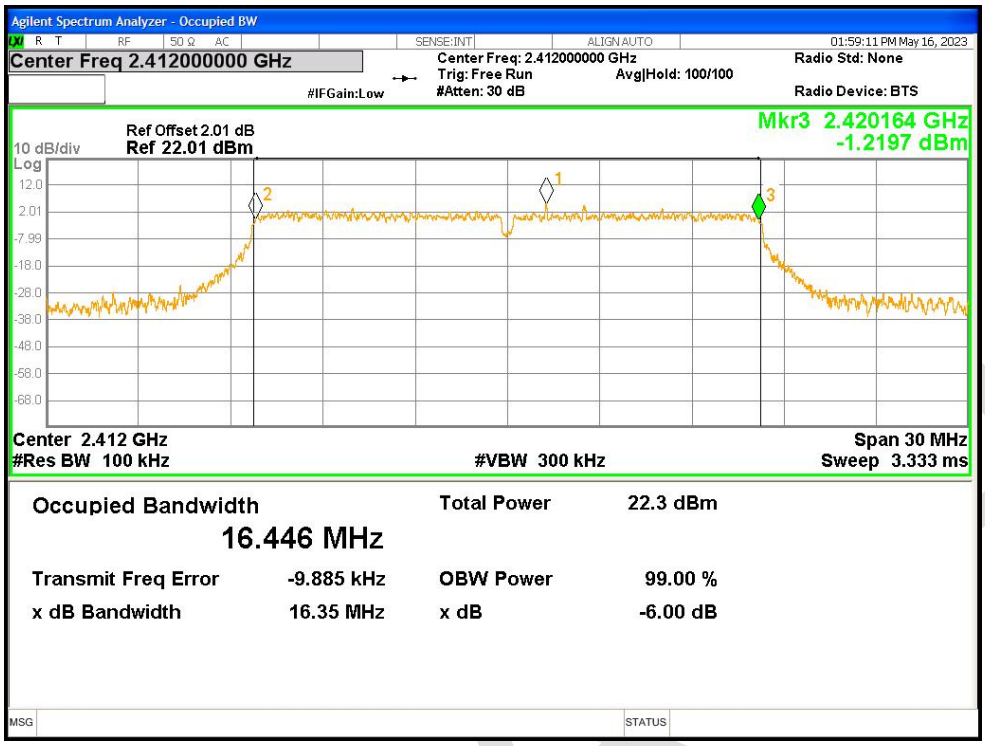
-6dB Bandwidth NVNT b 2437MHz Ant1



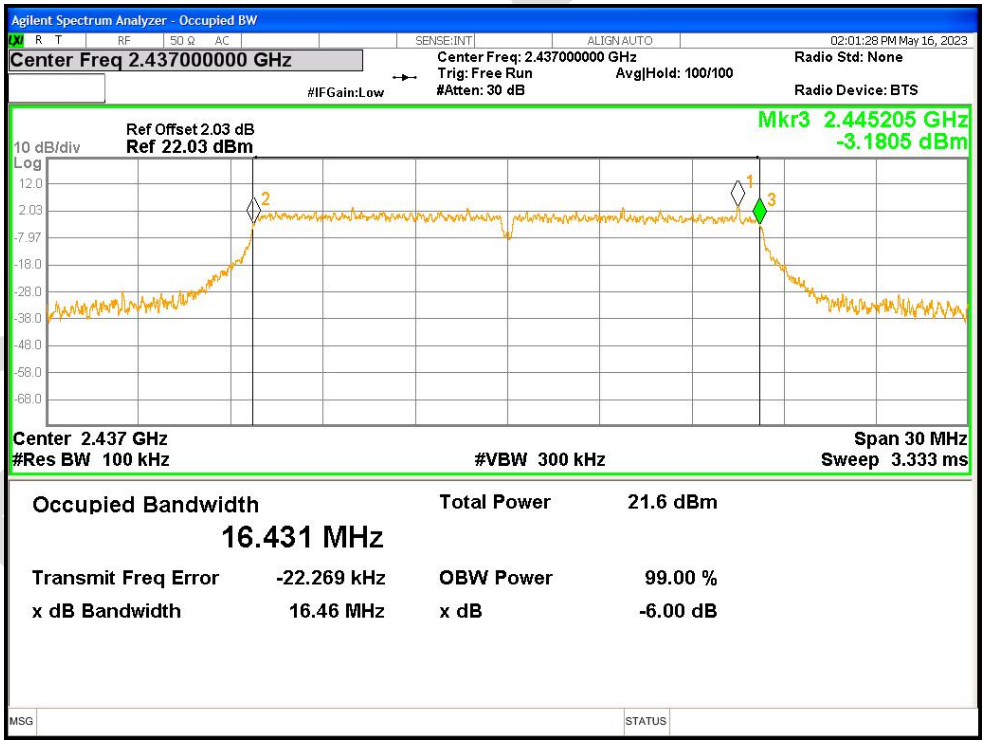
-6dB Bandwidth NVNT b 2462MHz Ant1



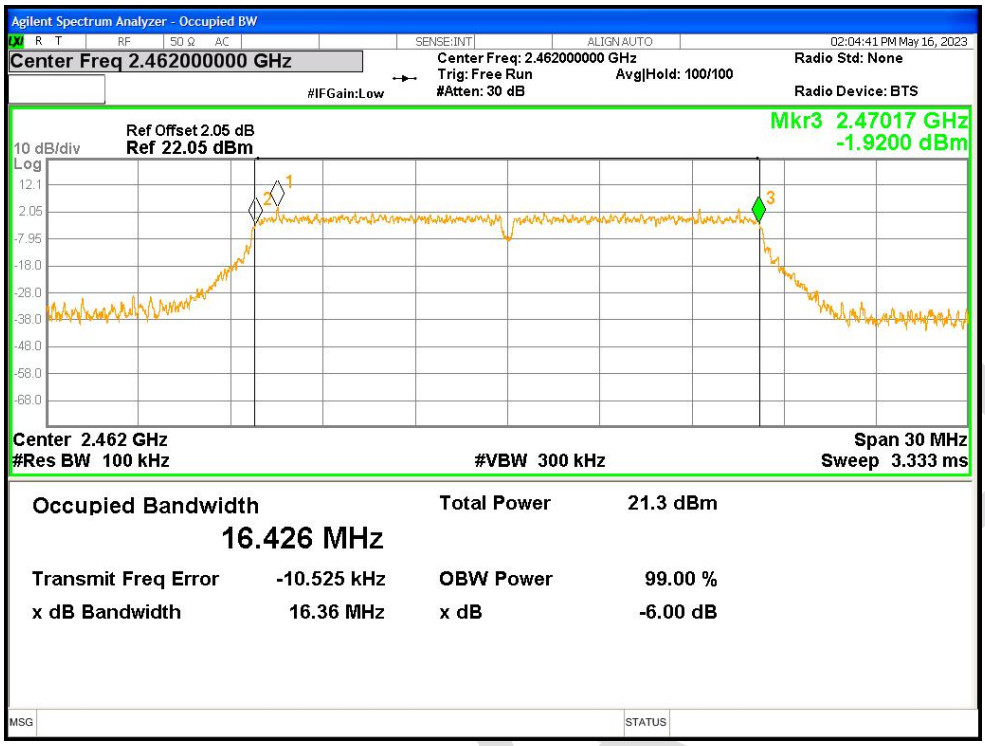
-6dB Bandwidth NVNT g 2412MHz Ant1



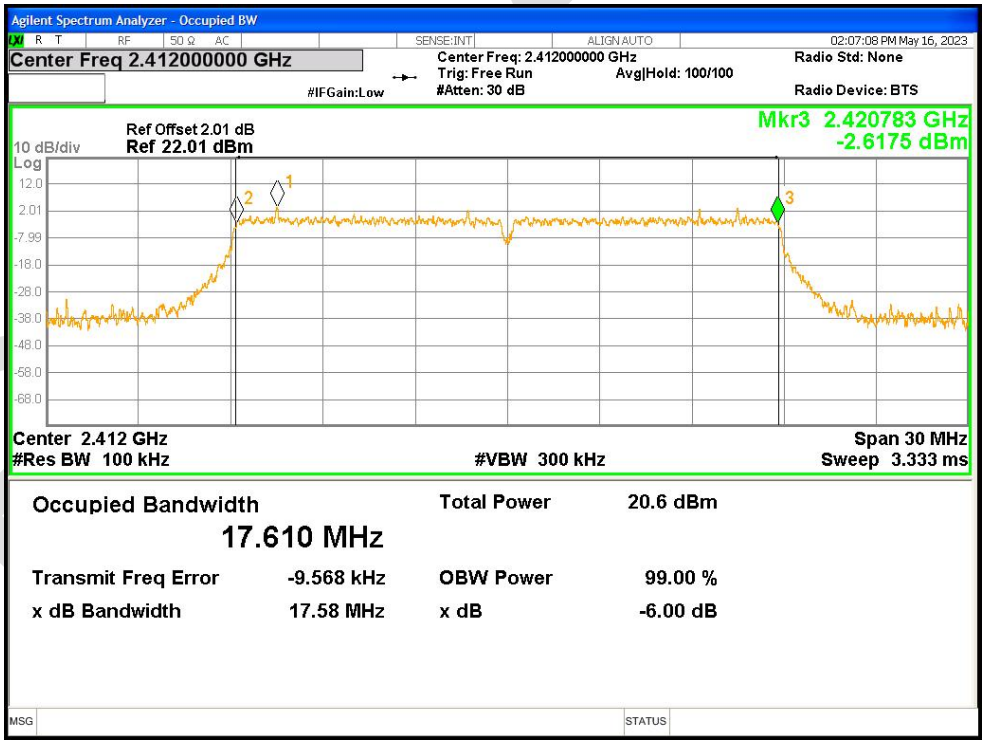
-6dB Bandwidth NVNT g 2437MHz Ant1



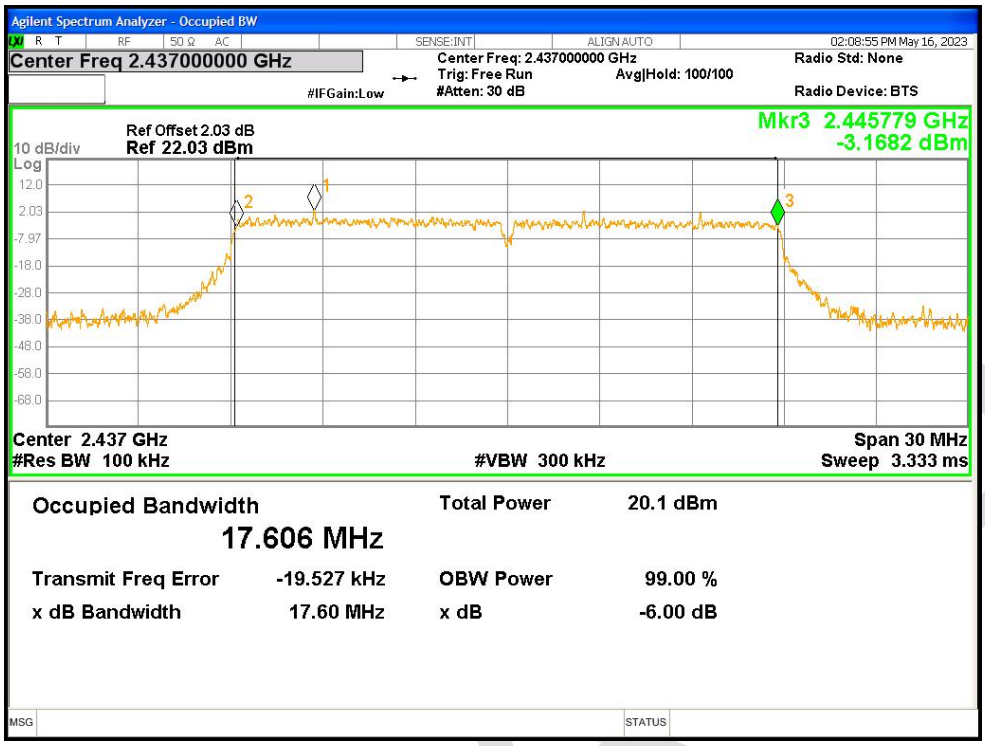
-6dB Bandwidth NVNT g 2462MHz Ant1



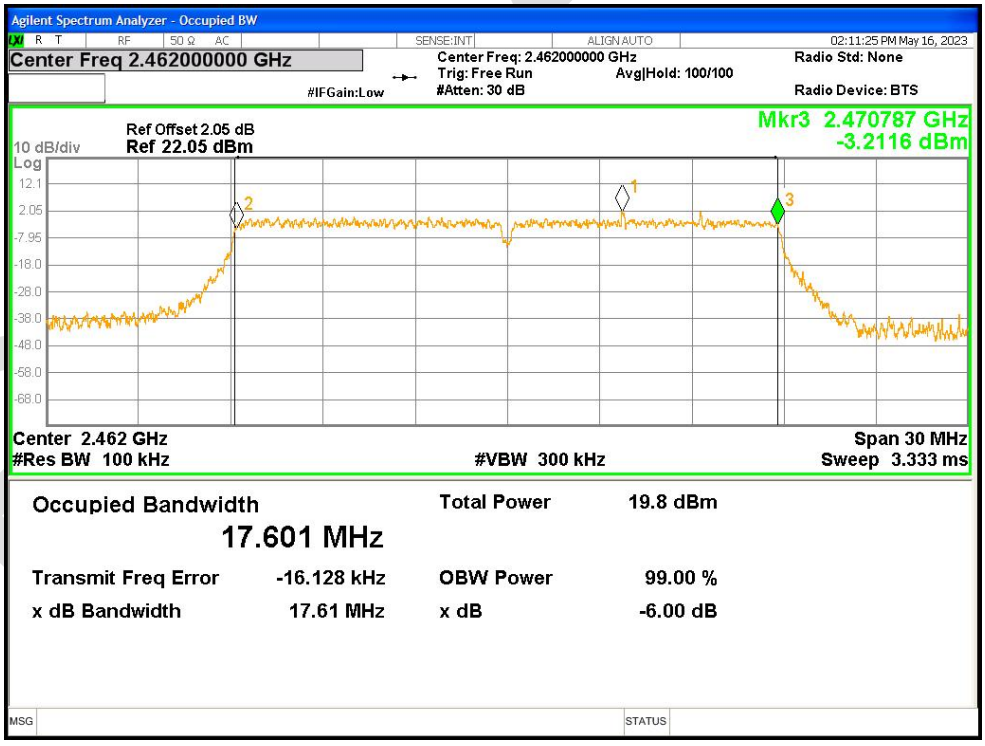
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



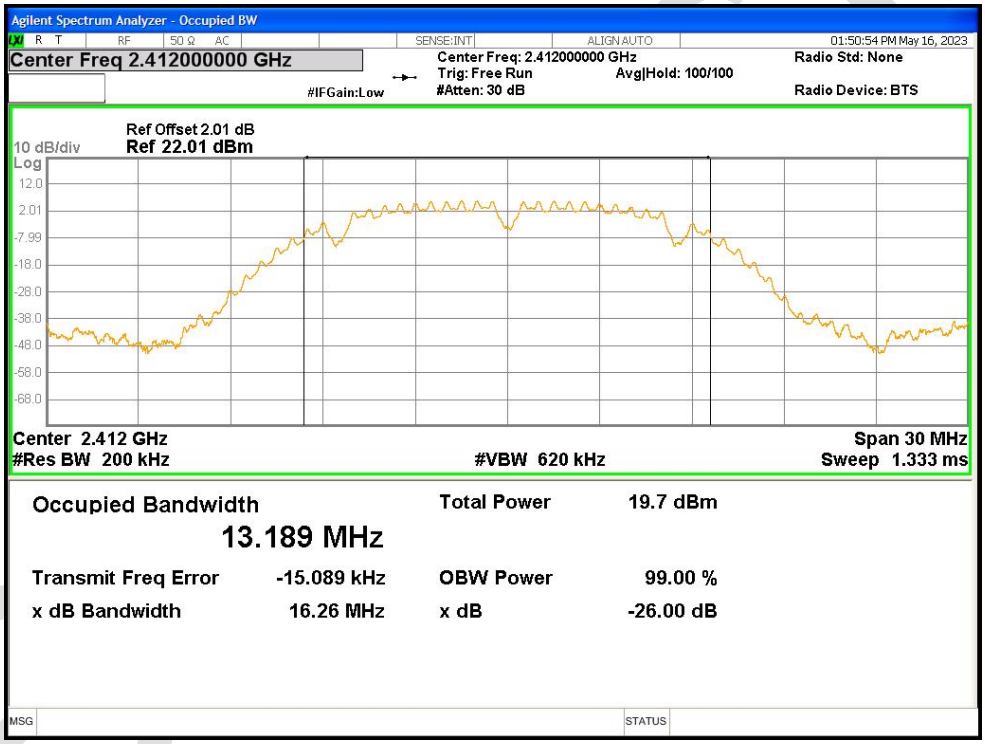
-6dB Bandwidth NVNT n20 2462MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.189
NVNT	b	2437	Ant1	13.201
NVNT	b	2462	Ant1	13.143
NVNT	g	2412	Ant1	16.506
NVNT	g	2437	Ant1	16.524
NVNT	g	2462	Ant1	16.475
NVNT	n20	2412	Ant1	17.634
NVNT	n20	2437	Ant1	17.624
NVNT	n20	2462	Ant1	17.616

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1