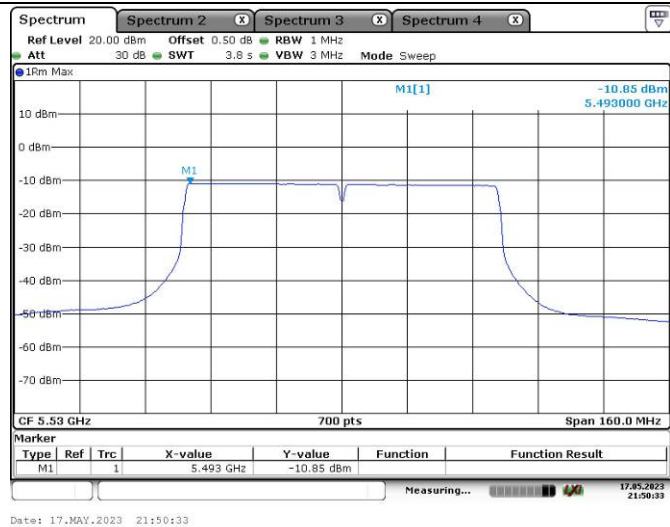
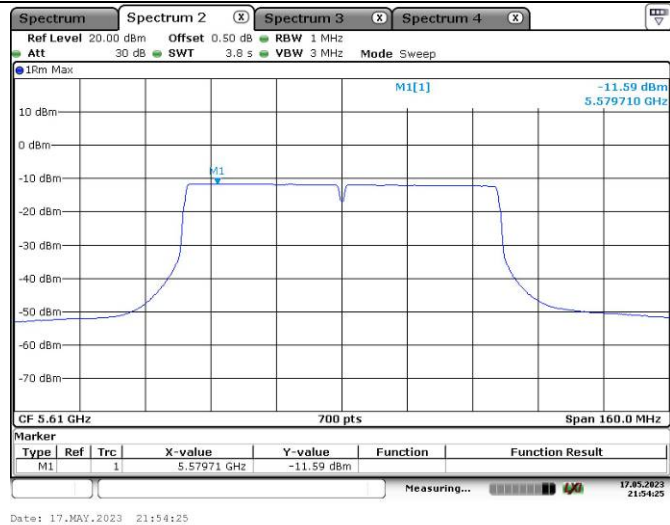
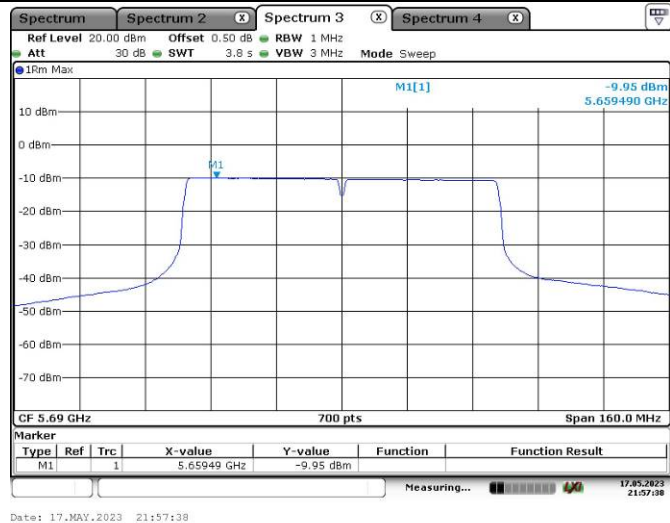
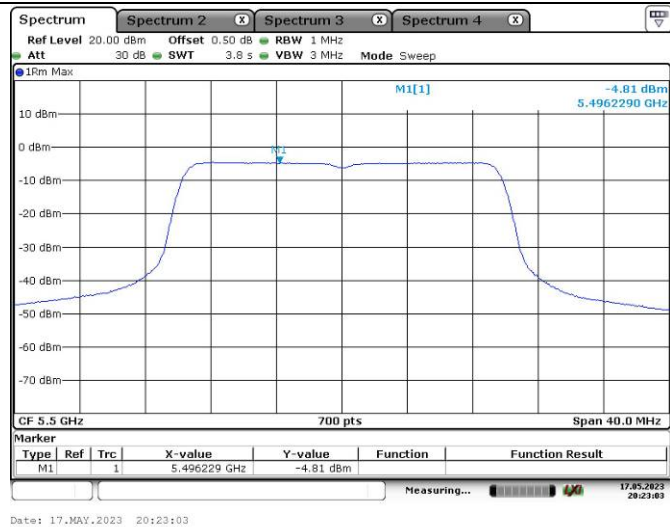
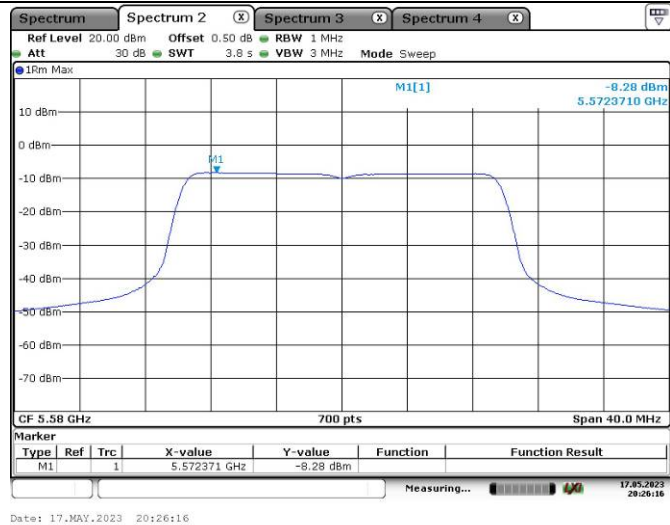
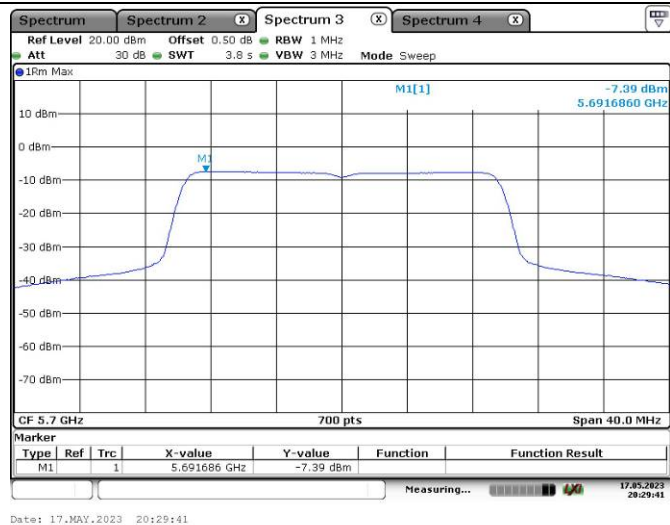
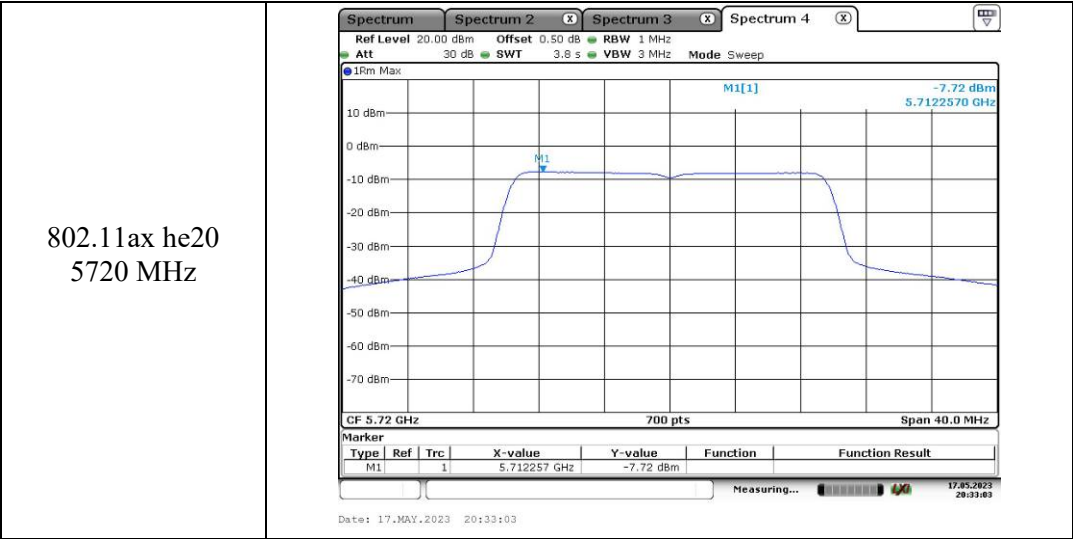


Maximum power spectral density

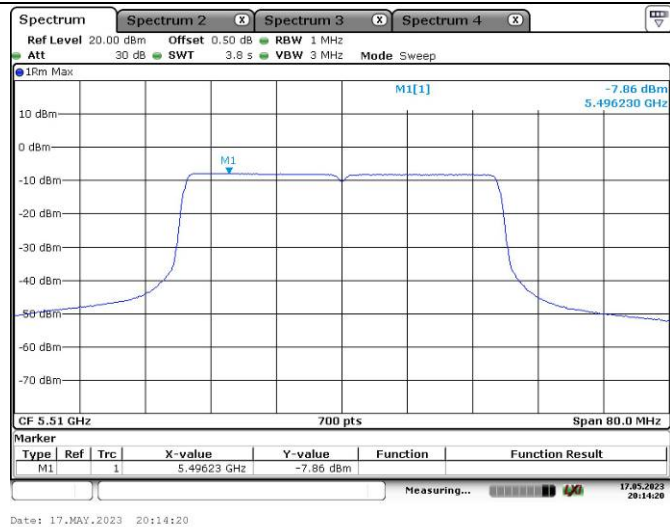
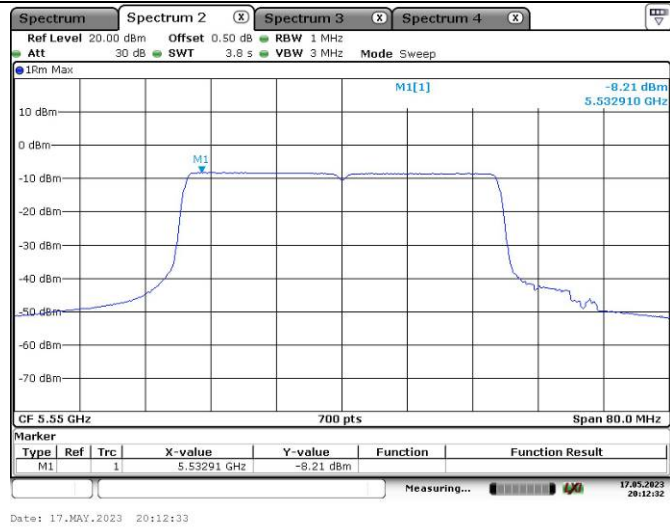
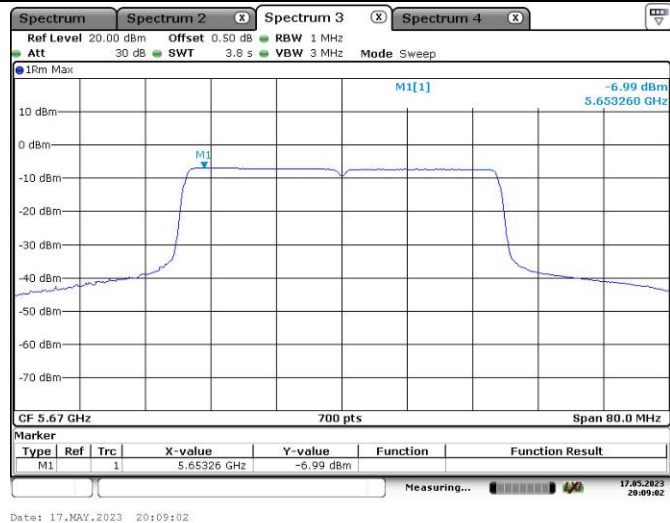
802.11ac vht80
5530MHz802.11ac vht80
5610MHz802.11ac vht80
5690MHz

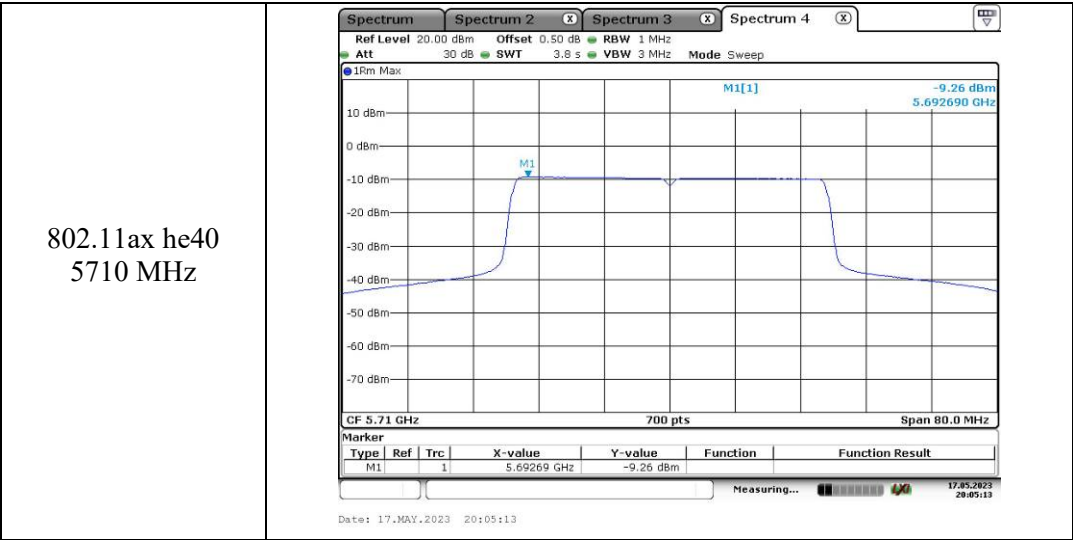
Maximum power spectral density

802.11ax he20
5500 MHz802.11ax he20
5580 MHz802.11ax he20
5700 MHz

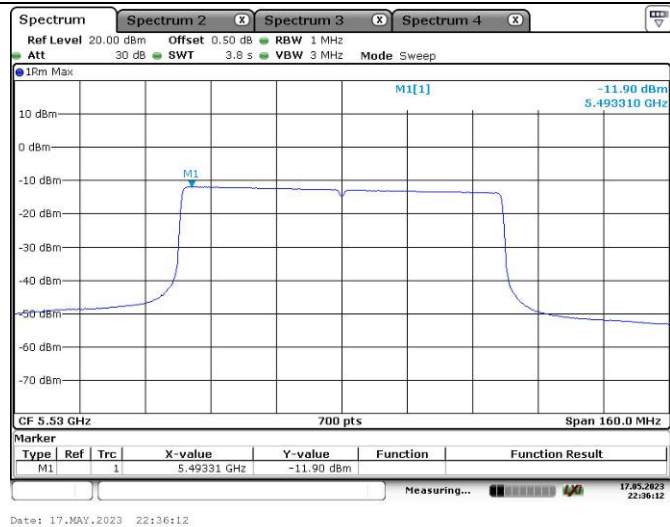
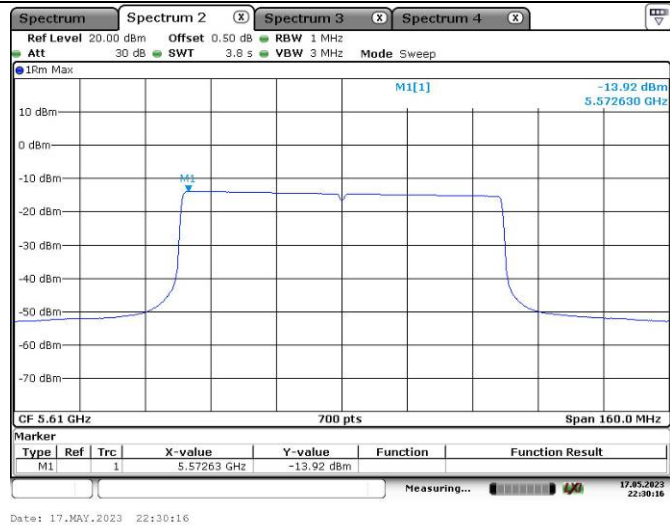
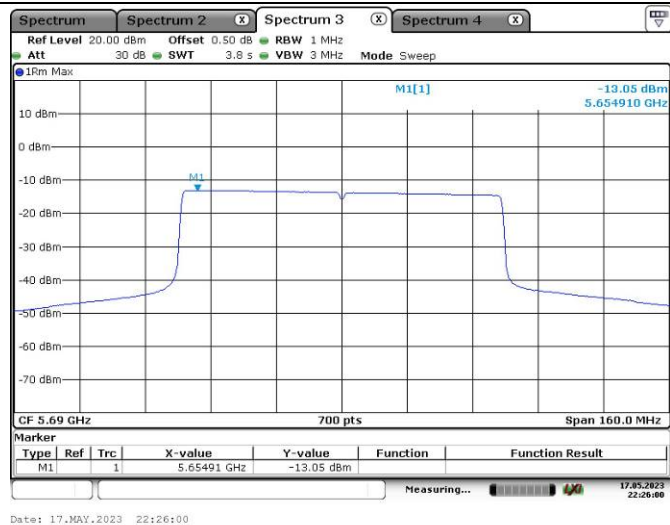


Maximum power spectral density

802.11ax he40
5510 MHz802.11ax he40
5550 MHz802.11ax he40
5670 MHz

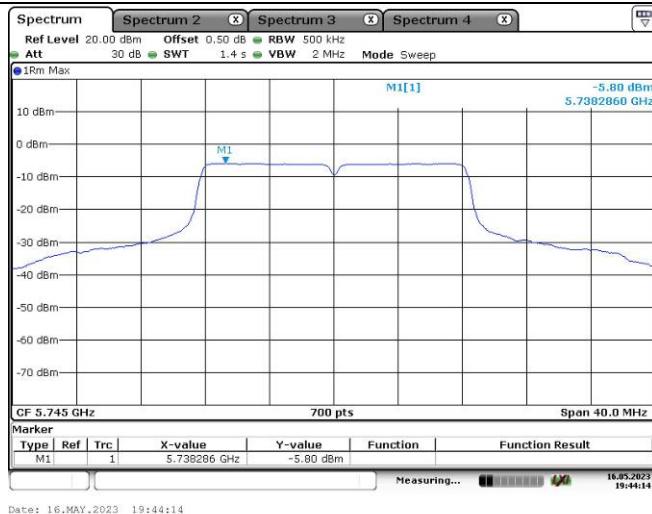
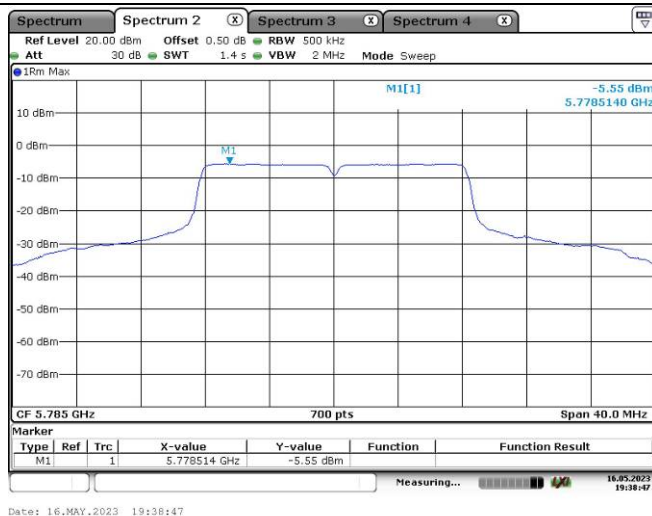
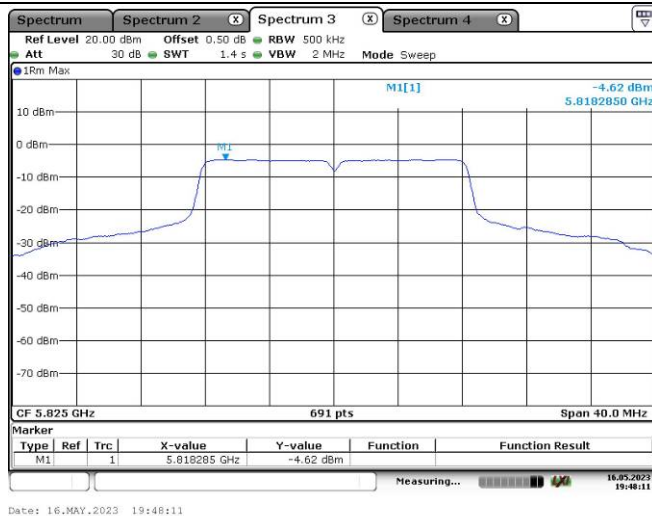


Maximum power spectral density

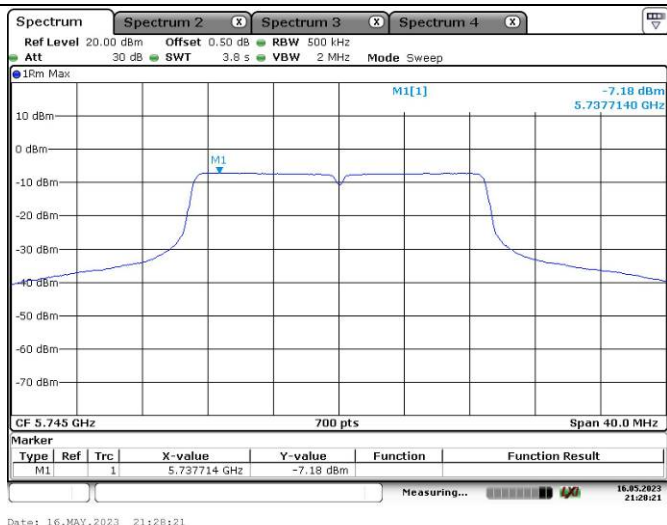
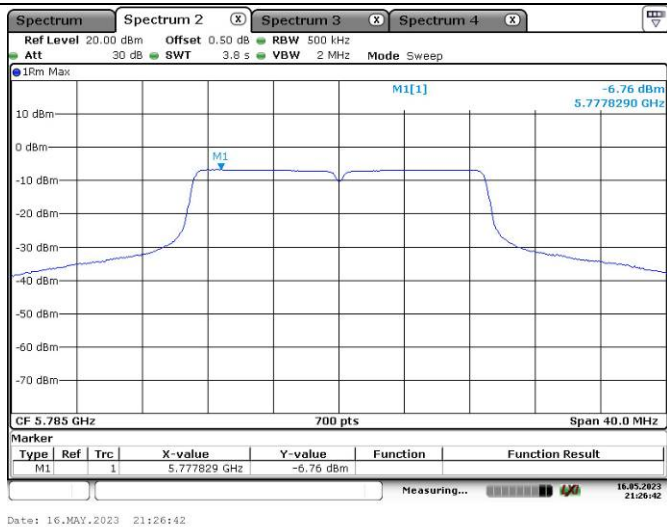
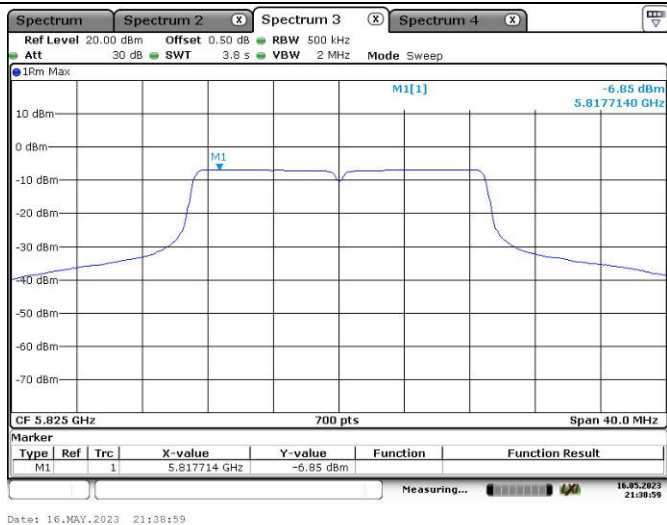
802.11ax he80
5530 MHz802.11ax he80
5610 MHz802.11ax he80
5690 MHz

5725-5850MHz

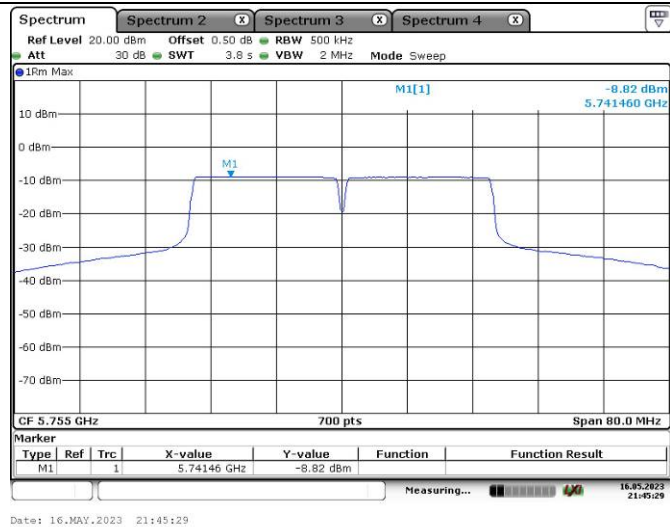
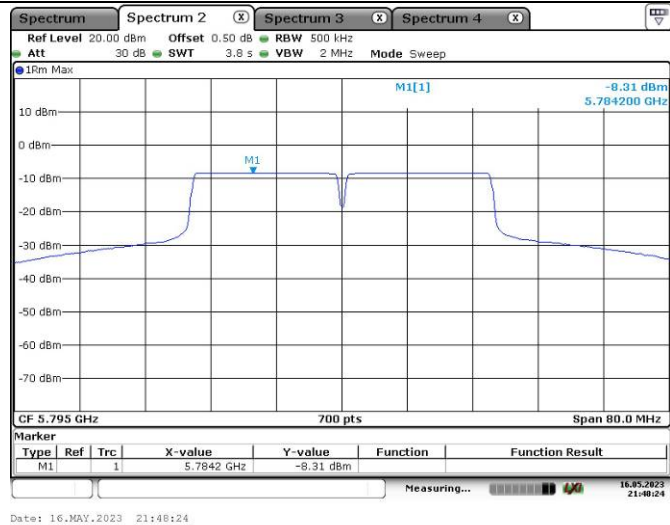
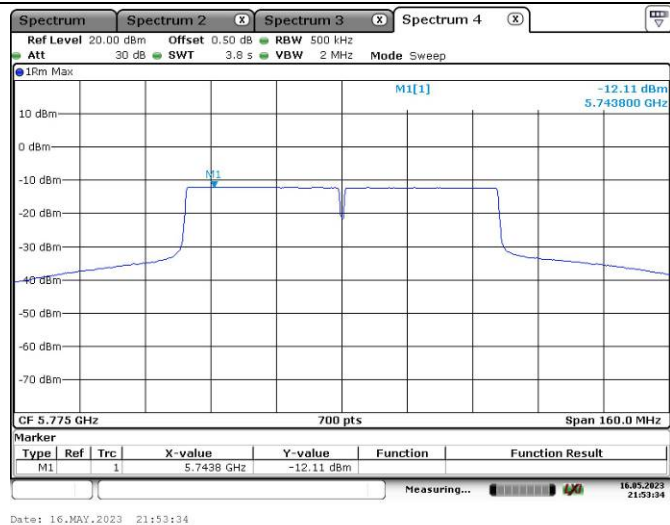
Maximum power spectral density

802.11a
Lowest Channel802.11a
Middle Channel802.11a
Highest Channel

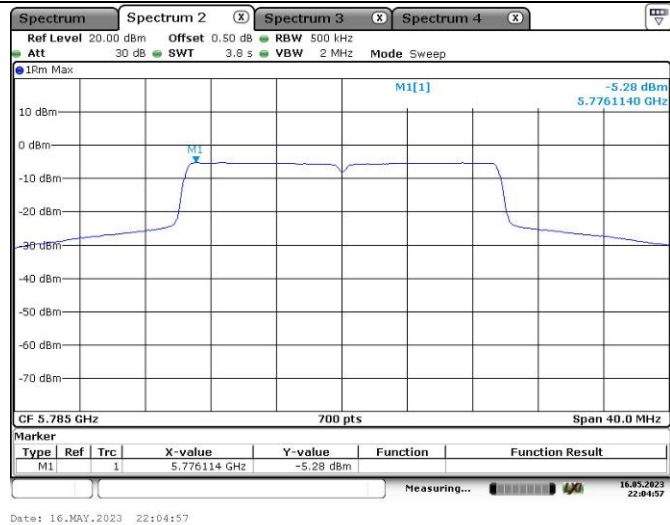
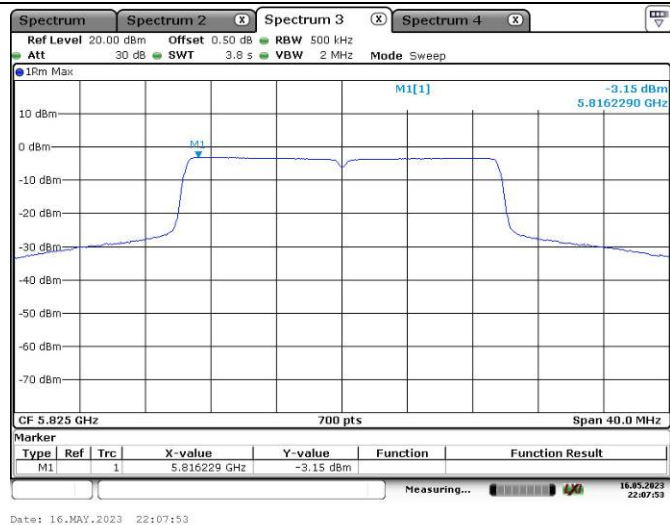
Maximum power spectral density

802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

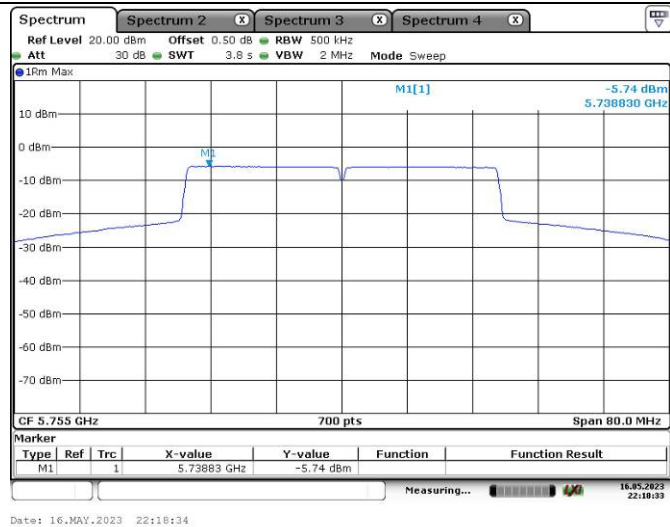
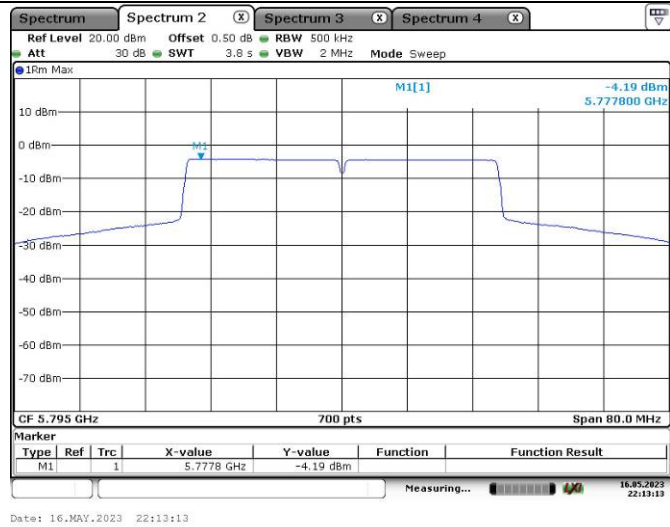
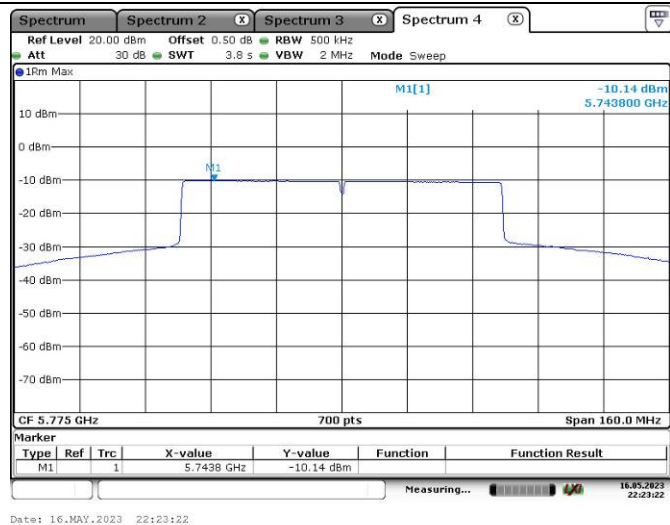
Maximum power spectral density

802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

Maximum power spectral density

802.11ax he20
Lowest Channel802.11ax he20
Middle Channel802.11ax he20
Highest Channel

Maximum power spectral density

802.11ax he40
Lowest Channel802.11ax he40
Highest Channel802.11ax he80
Middle Channel

4.7 Duty Cycle:

Serial Number:	23N0-1	Test Date:	2023/05/15
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jim Wei	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	23.4	Relative Humidity: (%)	68	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A

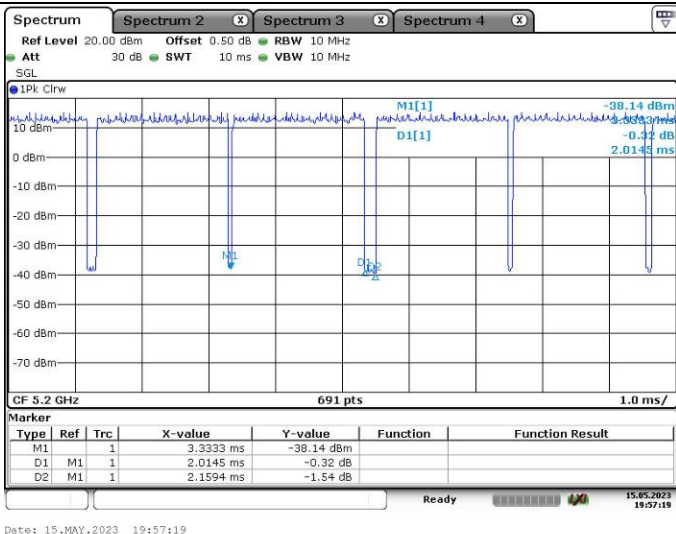
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

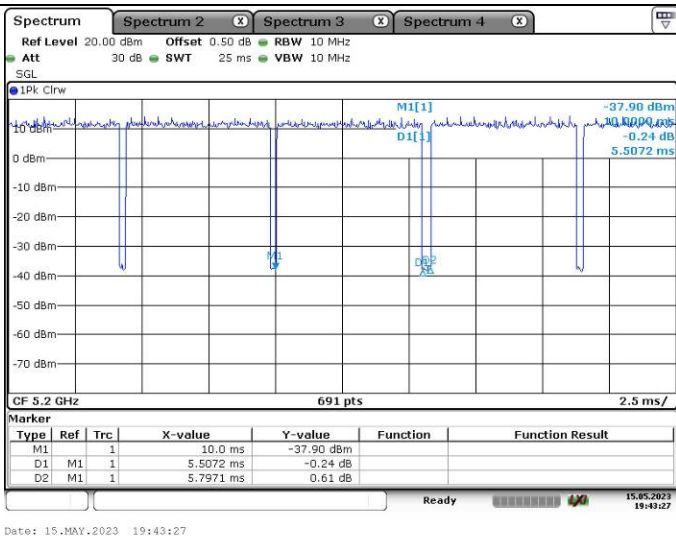
Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	Duty cycle Factor (dB)
802.11a	2.0145	/	Not constant	496	/
802.11n ht20	5.5072	/	Not constant	182	/
802.11n ht40	5.5072	/	Not constant	182	/
802.11ac vht80	5.5072	/	Not constant	182	/
802.11ax hew20	5.5797	/	Not constant	179	/
802.11ax hew40	5.5435	/	Not constant	180	/
802.11ax hew80	5.5797	/	Not constant	179	/

Duty Cycle

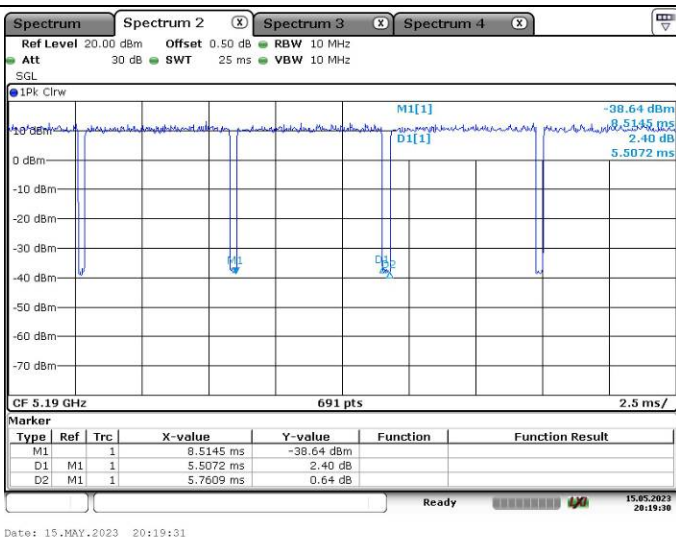
802.11a



802.11n ht20

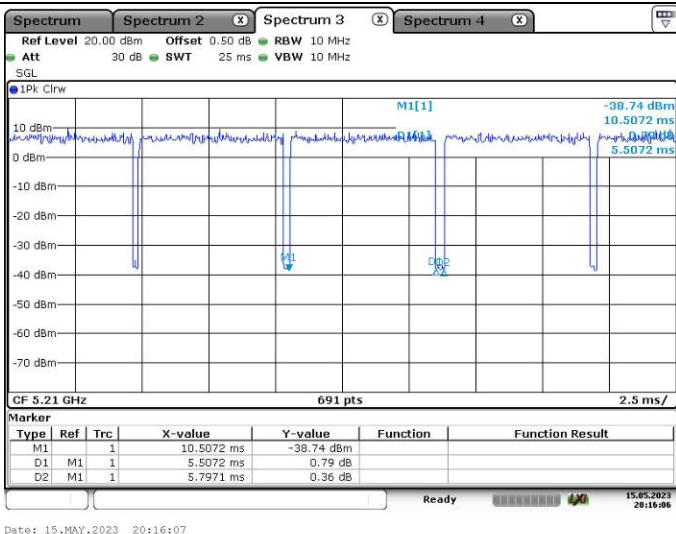


802.11n ht40

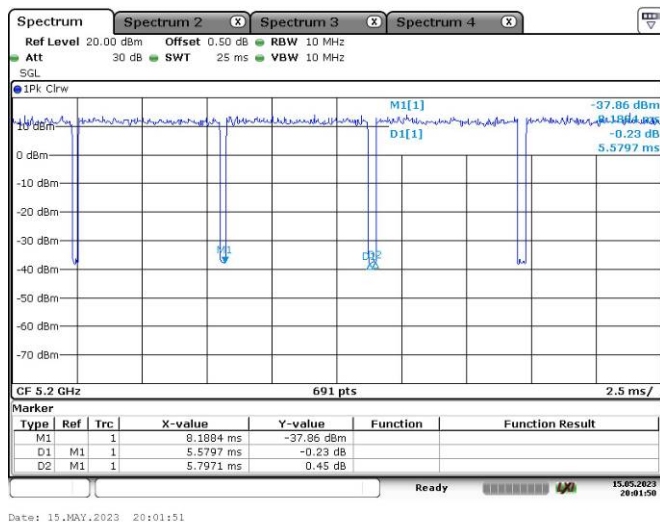


Duty Cycle

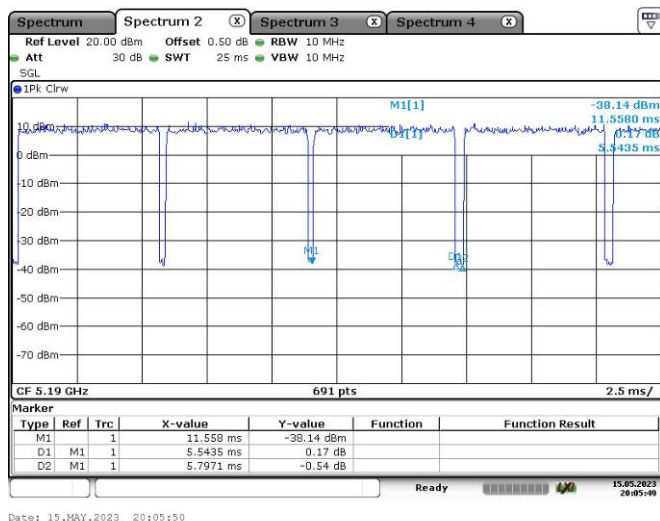
802.11ac vht80

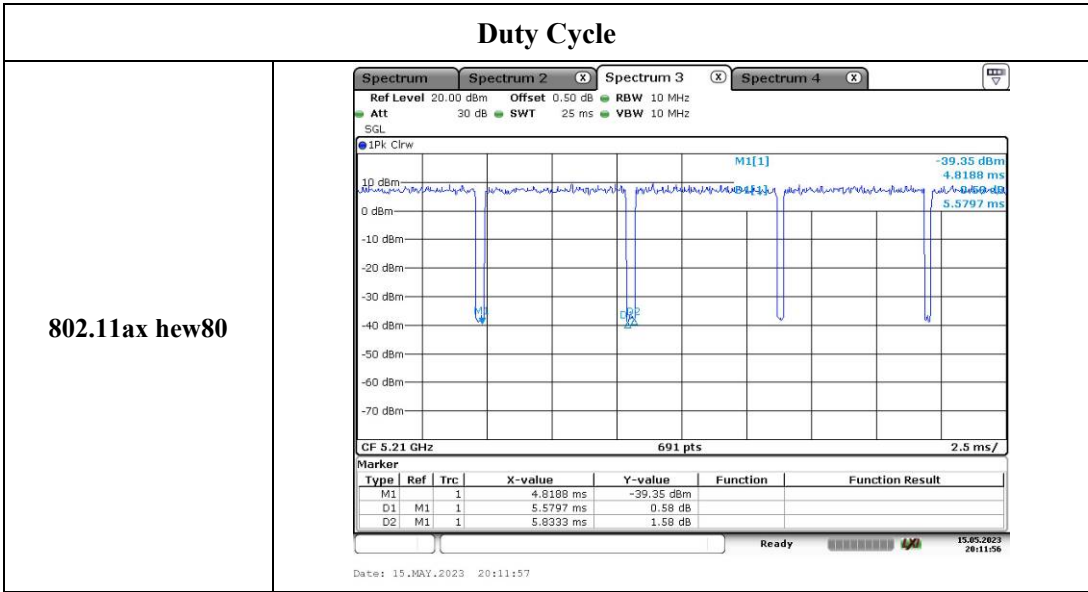


802.11ax hew20



802.11ax hew40





5. RF EXPOSURE EVALUATION

5.1 MPE-Based Exemption

5.1.1 Applicable Standard

According to §1.1307(b)(3)(i)

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

5.1.2 Measurement Result

Operation Modes	Frequency (MHz)	$\lambda/2\pi$ (mm)	Distance (mm)	Exemption ERP		Maximum Conducted Power including Tune-up Tolerance (dBm)	Antenna Gain (dBi)	ERP (dBm)	MPE-Based Exemption
				(mW)	(dBm)				
WLAN 2.4G	2412-2462	19.40	200	768	28.85	17.0	8.4	23.25	Compliant
WLAN 5.2G	5180-5240	9.12	200	768	28.85	13.0	9.1	19.95	Compliant
WLAN 5.3G	5260-5320	8.98	200	768	28.85	17.0	9.1	23.95	Compliant
WLAN 5.6G	5500-5720	8.35	200	768	28.85	14.5	9.1	21.45	Compliant
WLAN 5.8G	5745-5825	8.20	200	768	28.85	17.5	9.1	24.45	Compliant

Note:

The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.
The WLAN 2.4G/5G can't transmission simultaneously.

Result: The device compliant the MPE-Based Exemption at 20cm distances.

5.2 Exemption Limits for Routine Evaluation – RF Exposure Evaluation

5.2.1 Applicable Standard

According to RSS-102 Clause 2.5.2

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.

Calculated Data:

Mode	Frequency (MHz)	Antenna Gain	Conducted output power including Tune-up Tolerance	EIRP		Exemption limits (mW)
		(dBi)	(dBm)	(dBm)	(mW)	
WLAN 2.4G	2412-2462	8.4	17.0	25.4	346.74	2684
WLAN 5.2G	5180-5240	9.1	13.0	22.1	162.18	4525
WLAN 5.3G	5260-5320	9.1	17.0	26.1	407.38	4573
WLAN 5.6G	5500-5720	9.1	14.5	23.6	229.09	4714
WLAN 5.8G	5745-5825	9.1	17.5	26.6	457.09	4857

Note:

The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

The WLAN 2.4G/5G can't transmission simultaneously.

So the device is compliance exemption from Routine Evaluation Limits –RF exposure Evaluation.

Result: Compliance

===== END OF REPORT =====