Your response

Question	Your response					
Question 1: Please provide feedback on the additions, amendments and clarifications we have made to the wording of the licence condition to implement our decisions on the scope of the licence condition in our October	Confidential N I fully endorse the RSGB response and want to emphasise the points which are most important to me personally. A simpler obligation and better guidance and training rather than the proposed new licence condition would be a more proportionate action for Amateur Radio users who undergo training on EMF exposure.					
2020 Statement, giving reasons for your response.						
	Ofcom should also consider exempting Foun- dation licensees, who are permitted to transmit up to 10W PEP. Added guidance that any antenna, (not provided integral to the radio equipment) should be "out of reach" of anyone when transmitting, should be sufficient for compliance.					
Question 2: Please provide feedback on the	Confidential N					
additions and clarifications to our 'Guidance on EMF Compliance and Enforcement', giving reasons for your response.	 a) Ofcom should avoid the use of categori- cal words such as "safe". This is widely recognised as bad practice in the man- agement of controversial issues be- cause, by over-claiming, it allows others to counterclaim that exceeding the IC- NIRP reference levels is categorically "unsafe". For this issue, the correct and neutral word would be "compliant". 					
	 Requirement to keep records is not proportionate for an experimental ser- vice which involves many temporary changes in configuration. 					
	 Standards do not exist that cover the range and depth of amateur service use. 					
	 Need to include considerations for near- field compliance assessment which EIRP cannot address. 					
	e) Compliance with either ICNIRP 1998 or ICNIRP 2020 should be "deemed satis-					

	factory"					
	 f) Any amateur using a given installation should only have to comply with occu- pational exposure levels not general public. 					
	The goal should be to demonstrate amateur radio equipment compliance. We recom- mend a three stage process:					
	• First - by using pre-assessed configura- tions of antenna, height and averaged transmit power, so that reference lev- els will not be exceeded in any practi- cally accessible location. To use addi- tional mitigation measures like defin- ing where people should not be pre- sent and ensuring that no-one is there while transmitting.					
	 Second - the Ofcom EMF tool can be used subject to calculate a compliant separation. 					
	 Finally - apply more advanced meth- ods to specific cases to establish compliance and to extend the avail- able pre-assessed configurations. 					
	The flow chart below presents such a frame- work; and is an interpretation of ITU Recom- mendation K.52, applied to the Ofcom con- sultation and the amateur service:					
Question 3: Please provide feedback on the trial version of our EMF calculator, giving reasons for your response.	Confidential N The EMF calculator should be presented as a screening tool, with a warning that it should NEVER be interpreted as a demon- stration of non-compliance. Any indication that the tool is related to "safety" should also be avoided in order not to raise unjustified concerns.					
	The user needs to compute EIRP before sub- mission to the Ofcom EMF calculator. Many amateurs have requested practical help in deriving the EIRP. Good practice is to support inputs that are an existing part of the station design: antenna gain in desired direction,					





Name	Callsign			Date of Assesment		Statio	n Adı	dress		
Radio Make	Model			Notes Fill in the beige squares as a record of assessment. Click on yellow boxes to						
				separation is less near field limit, nearfield analysis is advised						
Radio Setup	Band	2m		Feeder				Antenna		
Transmit mode	ioaoa FM	000		Cable Type	RG213			My Antenna Antenna type Frequency MHz	8 element Ya 145.5	gi MHz
Transceiver	Linear	dB		Feeder	Linear	dB		Antenna	Linear	dB
Power in Watts	100.0	20.0		Loss per 100m		-7	7	Gain in dBd	12.6	11.0
Mode factor	100.0%	0.0		Cable Length m	20.0)		Antenna ERP	550.2	27.4
Tx % in 6 minutes	70.0%	-1.5		Other losses dB		-0	.5	Height of Antenna feed m	7.0	
				Feeder loss dB		-1	.5	Sidelobe loss		0.0
Average power from Transmitter	70.0	18.5		Average power into Antenna	43.7	16	4	EIRP	902.6	29.6
Maximum Power from Transmitter	100.0	20.0		Peak power into antenna	62.4	18	.0	Peak EIRP	1289.4	31.1
								Near field zone Ofcom Separation	0.3 9.6	m m
							-	Vertical separation	5.0	m
							-	Horizontal Separation	8.2	m

Example of front end to Ofcom spreadsheet to allow amateurs to input more familiar parameters and to more reliably estimate EIRP. Spreadsheet prototype forwarded to Ofcom.

Please complete this form in full and return to <u>EMFImplementation@ofcom.org.uk</u>.