

APPENDIX REPORT

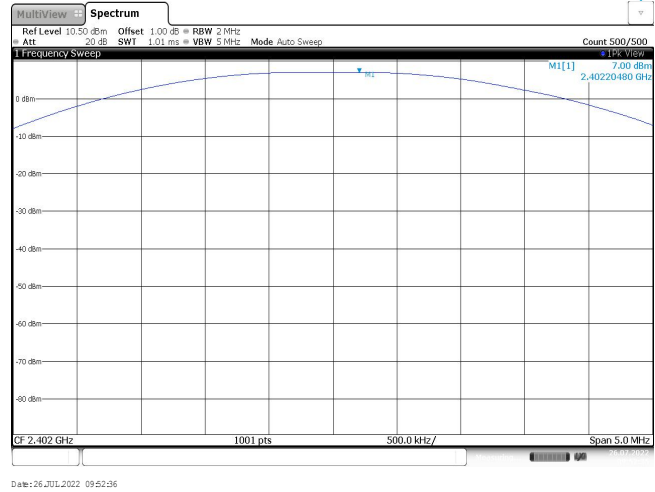
Project No.	SHT2207065102EW	Radio Specification	Bluetooth BLE
Test sample No.	YPHT22070651006	Model No.	P280
Start test date	2022-07-26	Finish date	2022-07-26
Temperature	25.3℃	Humidity	36%
Test Engineer	Xiaoxiao Li	Auditor	Xiaodong Zhao

Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	Power Spectral Density	PASS
C	6 dB Bandwidth	PASS
D	99% Occupied Bandwidth	PASS
E	Duty cycle	PASS
F	Band edge and Spurious Emissions (conducted)	PASS

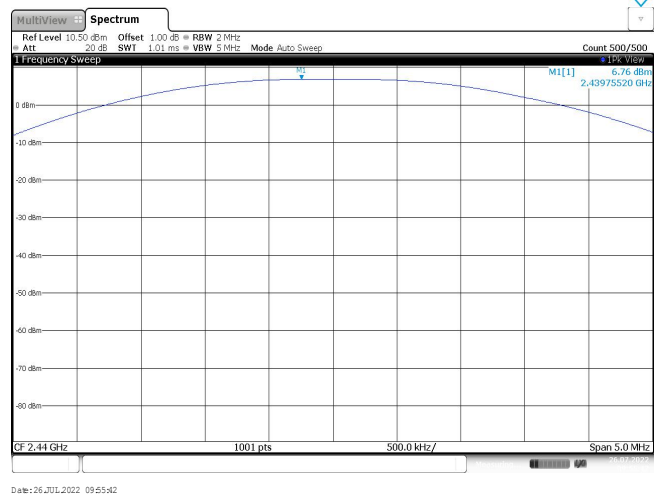
Appendix A: Peak Output Power

Type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
BT-BLE	00	7.00	6.98	≤ 30.00	Pass
	19	6.76	6.74		
	39	6.17	6.16		

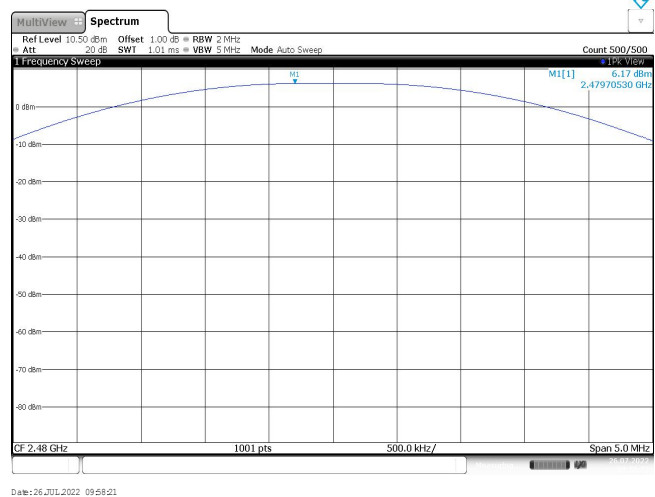
CH00



CH19



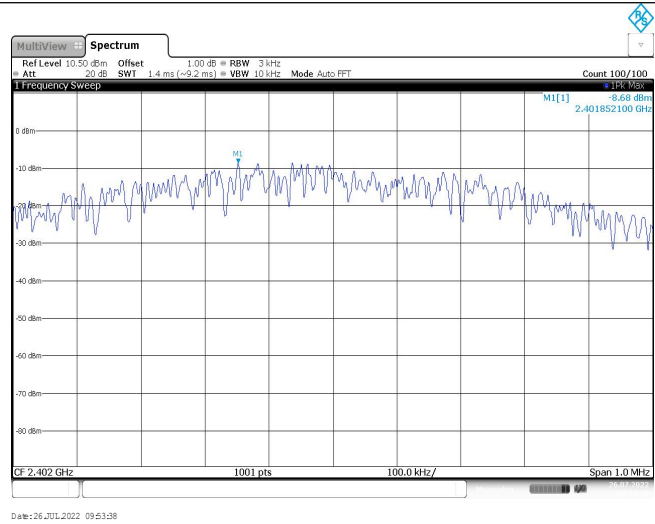
CH39



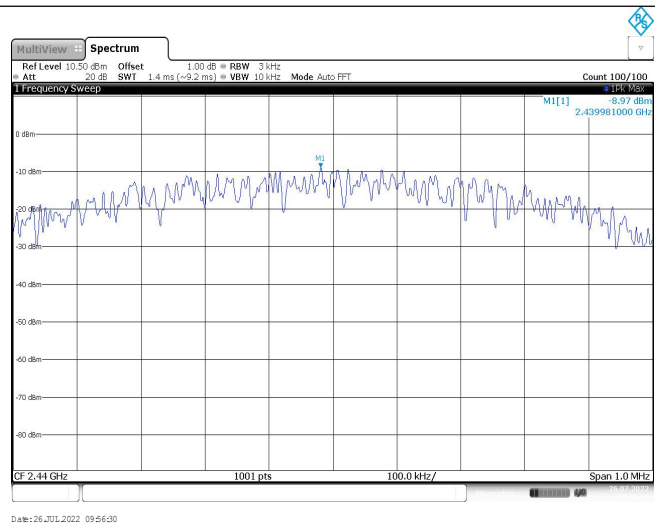
Appendix B: Power Spectral Density

Type	Channel	Power Spectral Density(dBm/3KHz)	Limit (dBm/3KHz)	Result
BT-BLE	00	-8.68	≤8.00	Pass
	19	-8.97		
	39	-8.78		

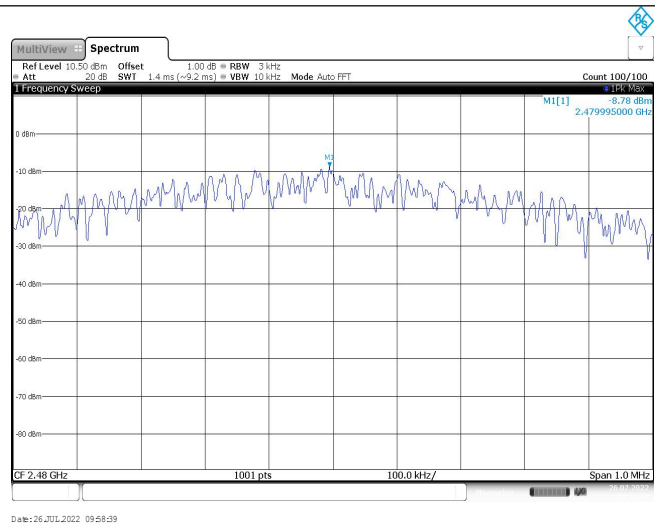
CH00



CH19



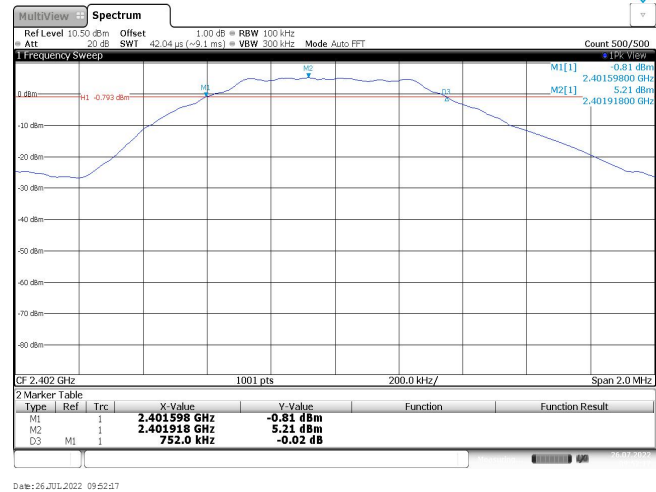
CH39



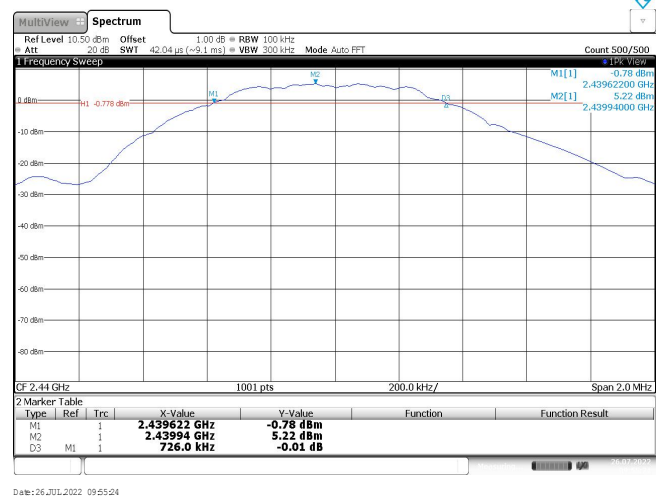
Appendix C: 6dB bandwidth

Type	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
BT-BLE	00	752.00	≥500	Pass
	19	726.00		
	39	738.00		

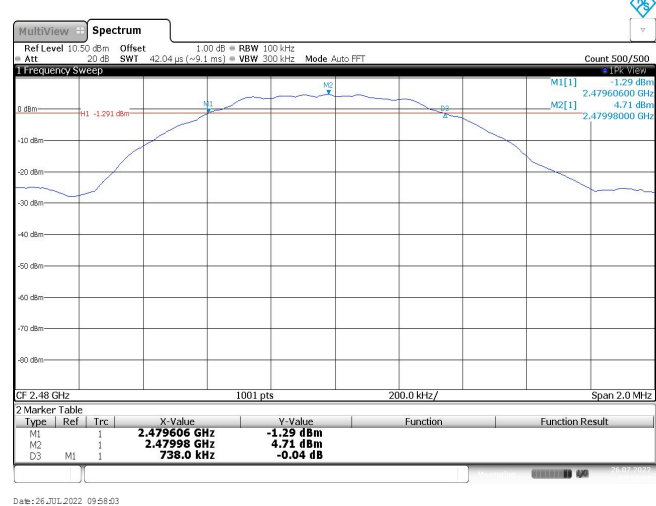
CH00



CH19



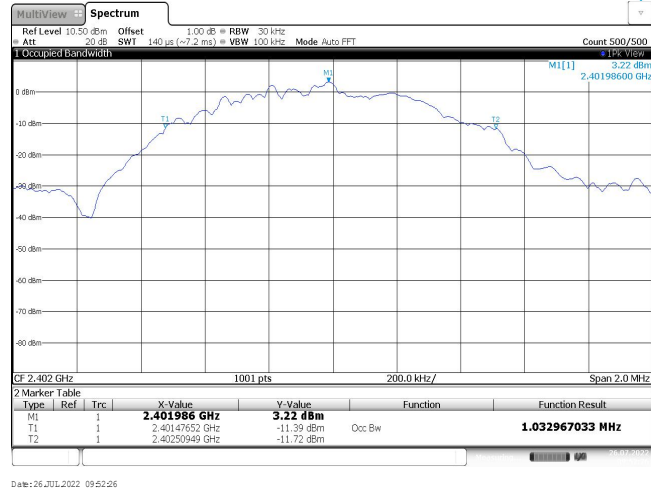
CH39



Appendix D: 99% Occupied Bandwidth

Type	Channel	99% Occupied Bandwidth(MHz)	Limit (kHz)	Result
BT-BLE	00	1.02	-	Pass
	19	1.03		
	39	1.05		

CH00



CH19

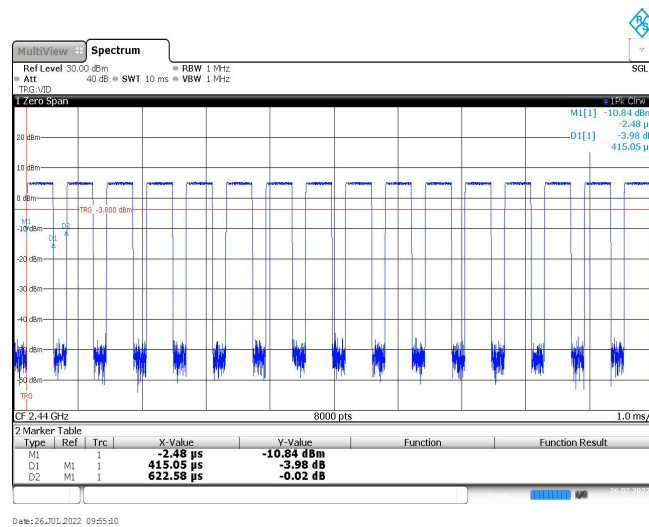


CH39



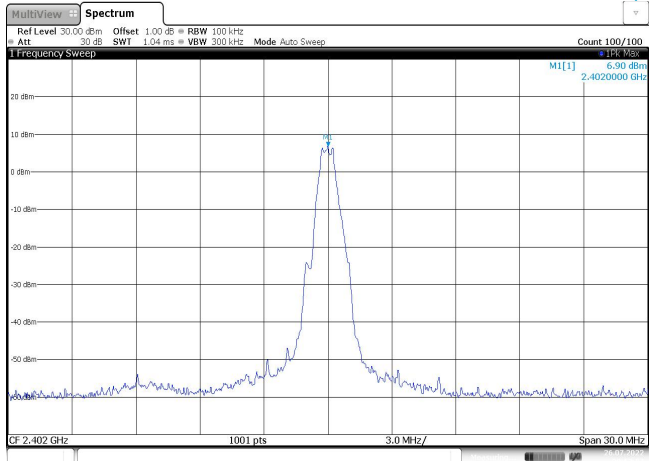
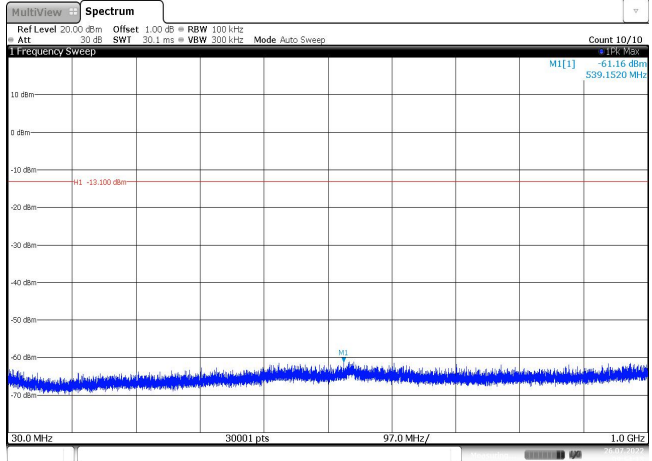
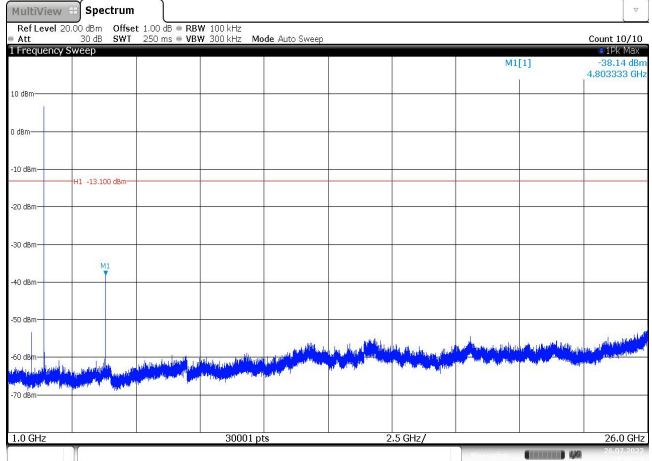
Appendix E: Duty cycle

Test Frequency (MHz)	T _{on} time for single burst (ms)	T _{period} (ms)	Duty cycle	1/T _{on} time (kHz)
2440	0.42	0.62	67.7%	2.4

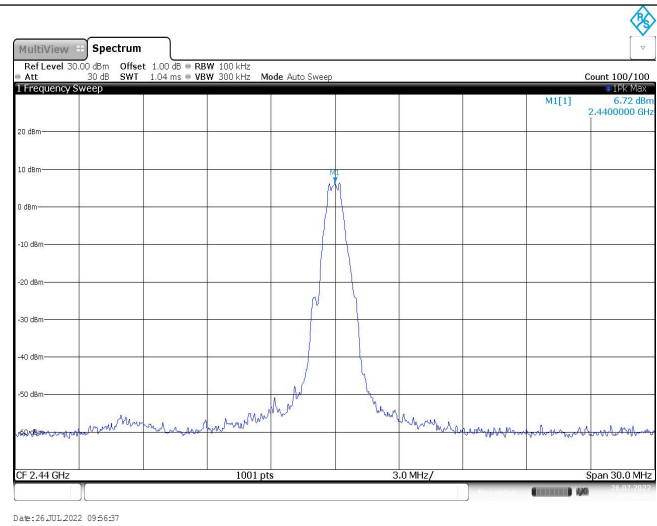


Appendix F: Band edge and Spurious Emissions (conducted)

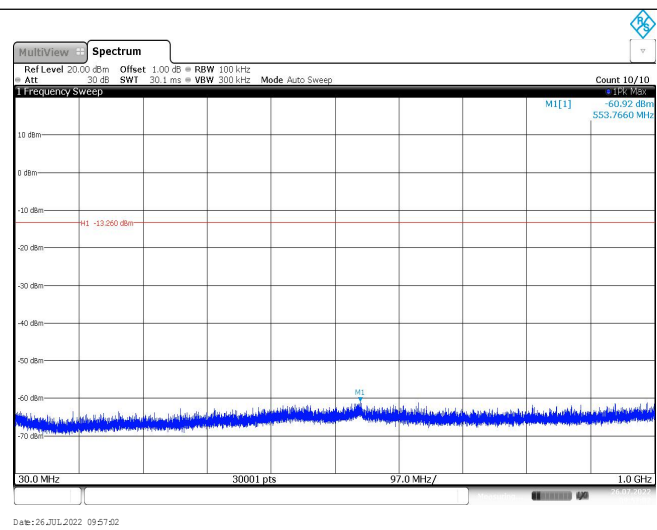
Test Item:	Band edge																																										
CH00	MultiView Spectrum Ref Level 10.50 dBm Offset 1.00 dB RBW 100 kHz Att 20 dB SWT 1.05 ms VBW 300 kHz Mode Auto Sweep Count 300/300 1 Frequency Sweep 8 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 2.31 GHz 1001 pts 9.5 MHz/ 2.405 GHz M1[1] 6.72 dBm 2.402010 GHz M2[1] -49.21 dBm 2.400000 GHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>2.40201 GHz</td><td>6.72 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>2.4 GHz</td><td>-49.21 dBm</td><td></td><td></td></tr><tr><td>M3</td><td>1</td><td></td><td>2.39 GHz</td><td>-69.03 dBm</td><td></td><td></td></tr><tr><td>M4</td><td>1</td><td></td><td>2.31 GHz</td><td>-73.50 dBm</td><td></td><td></td></tr><tr><td>M5</td><td>1</td><td></td><td>2.399205 GHz</td><td>-52.59 dBm</td><td></td><td></td></tr></table> Date: 26 JUL 2022 09:53:49	Type	Ref	Trc	X-Value	Y-Value	Function	Function Result	M1	1		2.40201 GHz	6.72 dBm			M2	1		2.4 GHz	-49.21 dBm			M3	1		2.39 GHz	-69.03 dBm			M4	1		2.31 GHz	-73.50 dBm			M5	1		2.399205 GHz	-52.59 dBm		
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Test Item:	SE
CH00 Reference level	 Count 100/100 M1[1] -5.90 dBm 2.402000 GHz CF 2.402 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz Date: 26 JUL 2022 09:53:56
CH00 30MHz~1000MHz	 Count 10/10 M1[1] -61.16 dBm 539.1520 MHz 30.0 MHz 30001 pts 97.0 MHz/ 1.0 GHz Date: 26 JUL 2022 09:54:13
CH00 1GHz~26GHz	 Count 10/10 M1[1] -38.14 dBm 4.803333 GHz 1.0 GHz 30001 pts 2.5 GHz/ 26.0 GHz Date: 26 JUL 2022 09:54:29

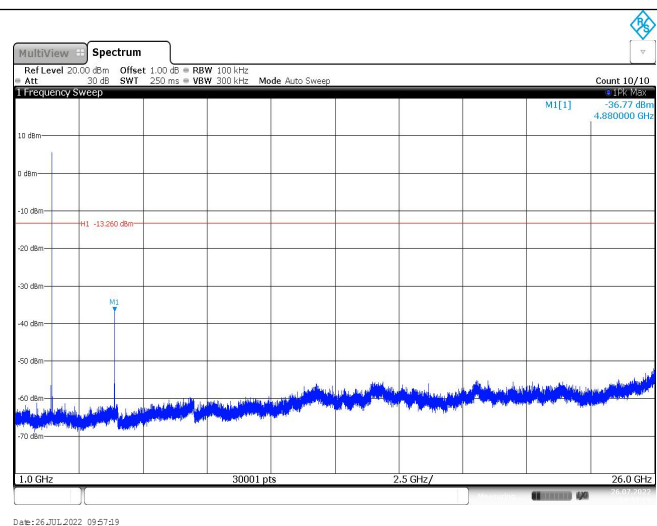
CH19
Reference level

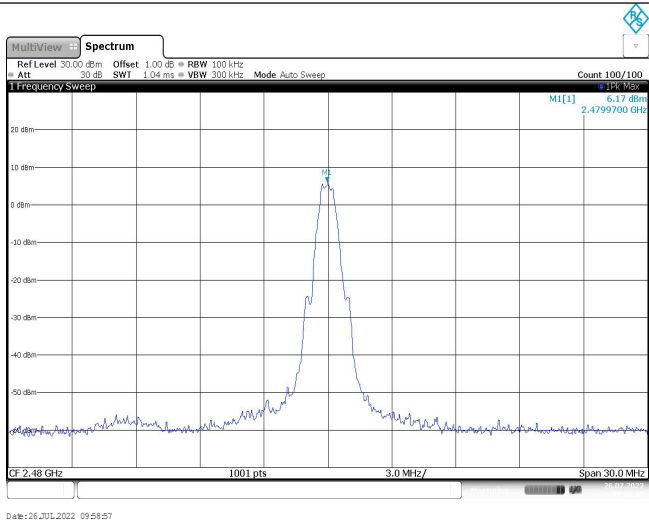
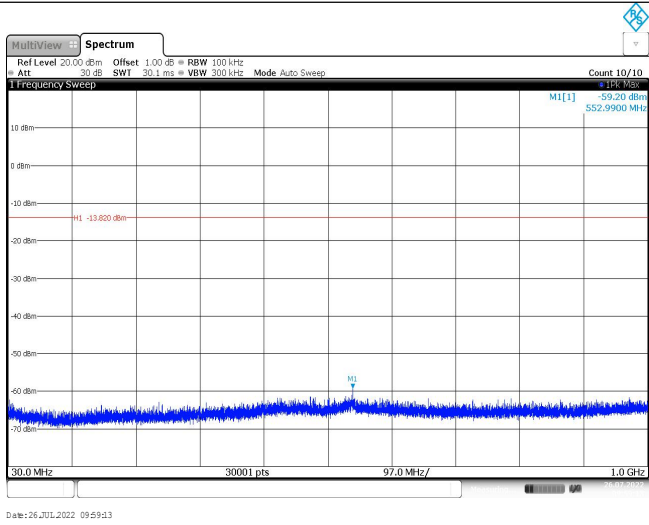
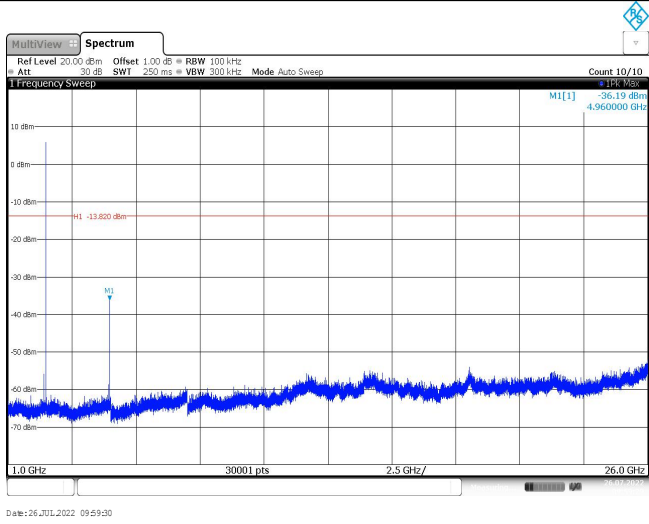


CH19
30MHz~1000MHz



CH19
1GHz~26GHz



CH39 Reference level	
CH39 30MHz~1000MHz	
CH39 1GHz~26GHz	

-----End of Report-----