



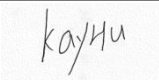
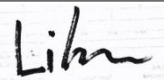
## Appendix A

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: WIFI Camera

Test Model: PM18

#### Environmental Conditions

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| Temperature:       | 23.7° C                                                                              |
| Relative Humidity: | 52.3%                                                                                |
| ATM Pressure:      | 100.0 kPa                                                                            |
| Test Engineer:     |  |
| Supervised by:     |  |



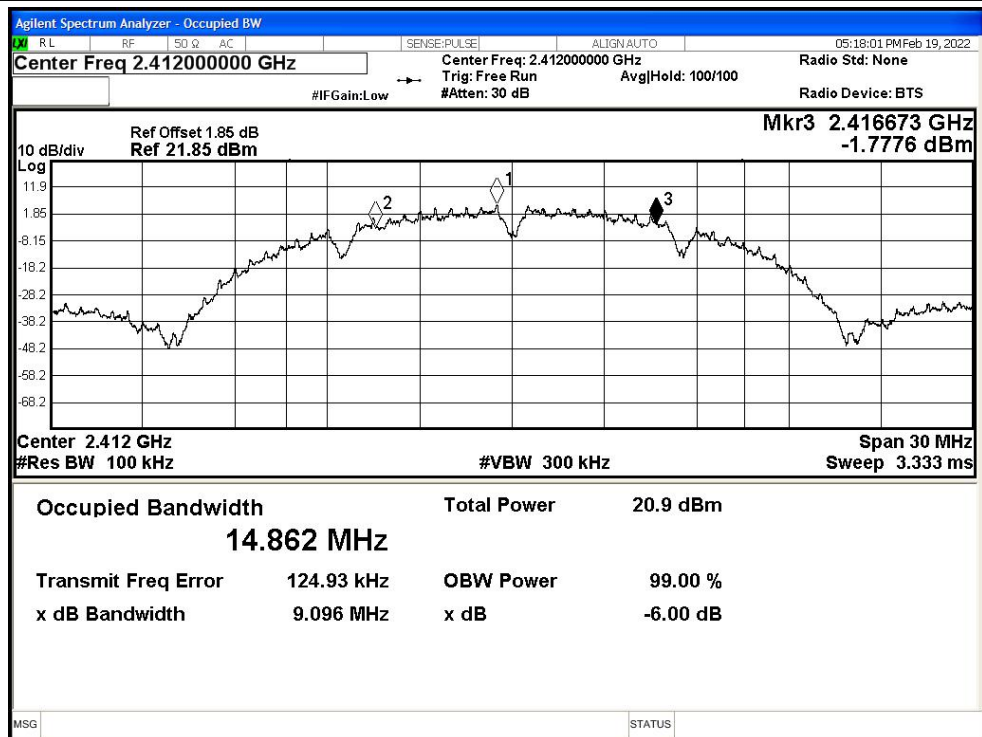
## C.1 6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 6 dB Bandwidth (MHz) | Limit 6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 9.096                | 0.5                        | Pass    |
| NVNT      | b    | 2437            | Ant1    | 9.038                | 0.5                        | Pass    |
| NVNT      | b    | 2462            | Ant1    | 9.533                | 0.5                        | Pass    |
| NVNT      | g    | 2412            | Ant1    | 11.029               | 0.5                        | Pass    |
| NVNT      | g    | 2437            | Ant1    | 11.320               | 0.5                        | Pass    |
| NVNT      | g    | 2462            | Ant1    | 12.537               | 0.5                        | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 15.596               | 0.5                        | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 15.073               | 0.5                        | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 13.826               | 0.5                        | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 31.270               | 0.5                        | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 32.523               | 0.5                        | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 32.519               | 0.5                        | Pass    |

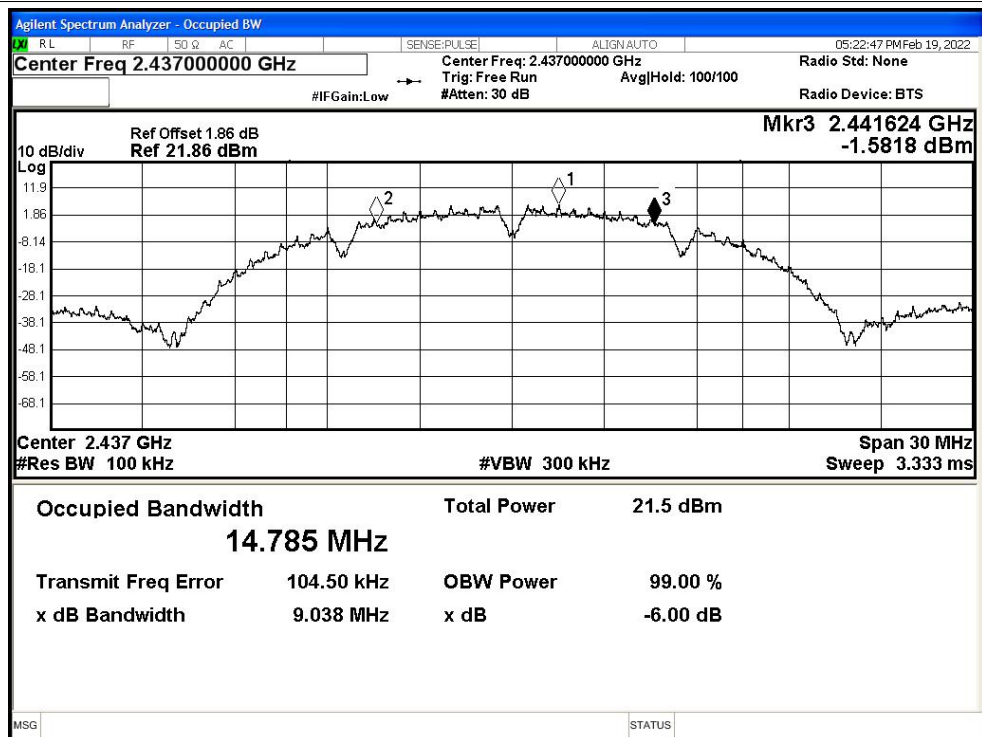


### Test Graphs

#### 6dB Bandwidth NVNT b 2412MHz Ant1

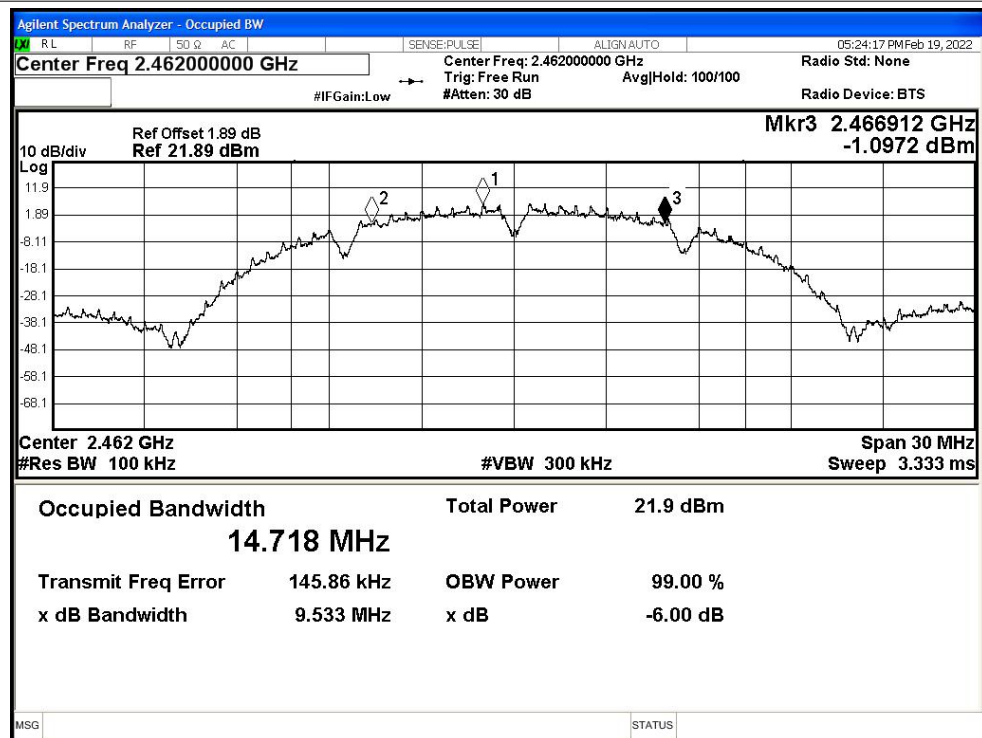


#### 6dB Bandwidth NVNT b 2437MHz Ant1

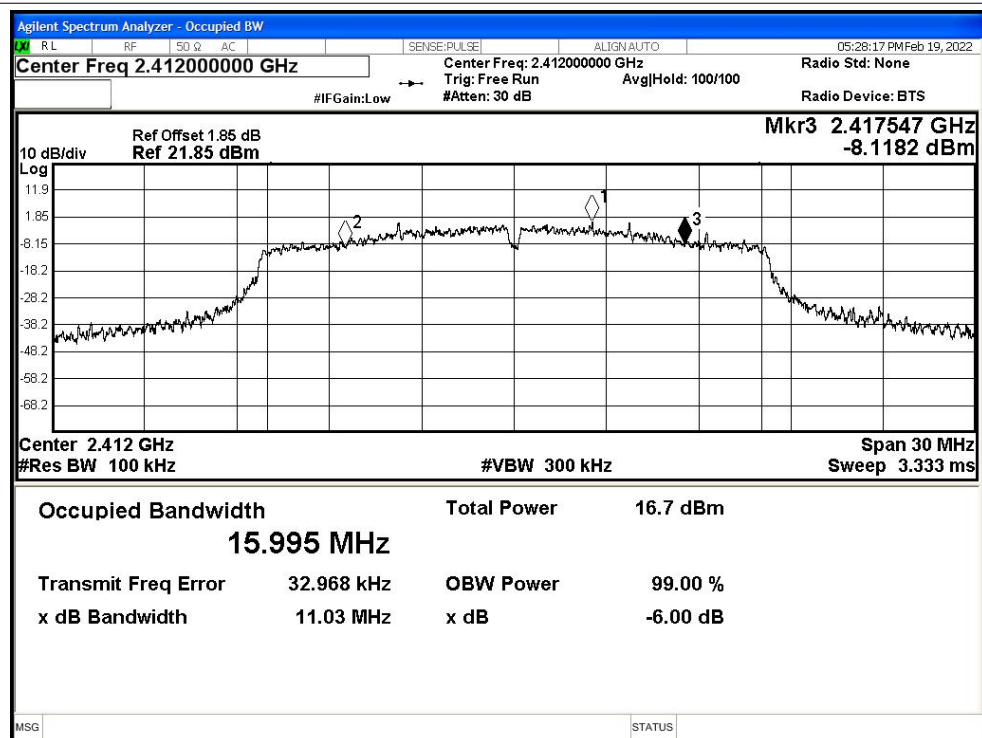




6dB Bandwidth NVNT b 2462MHz Ant1

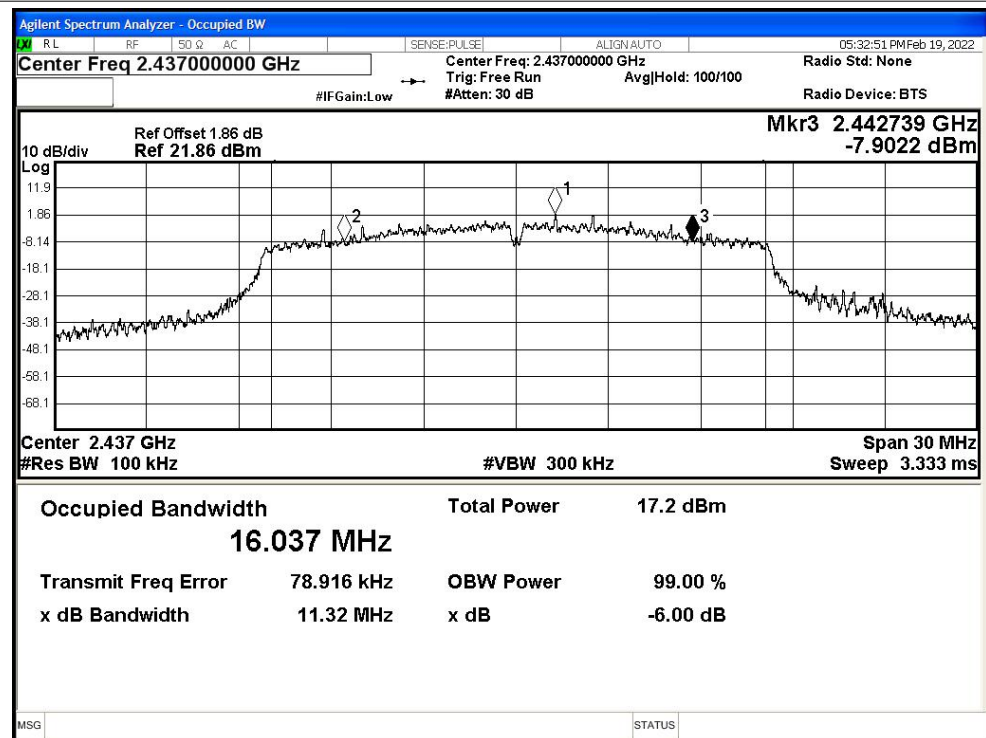


6dB Bandwidth NVNT g 2412MHz Ant1

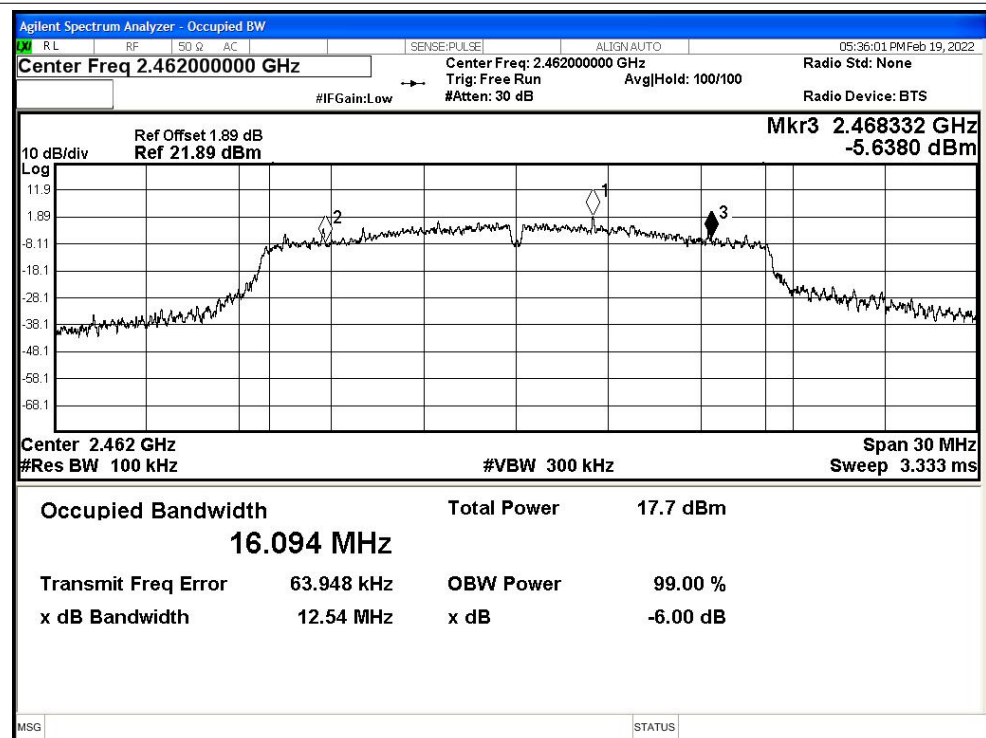




6dB Bandwidth NVNT g 2437MHz Ant1

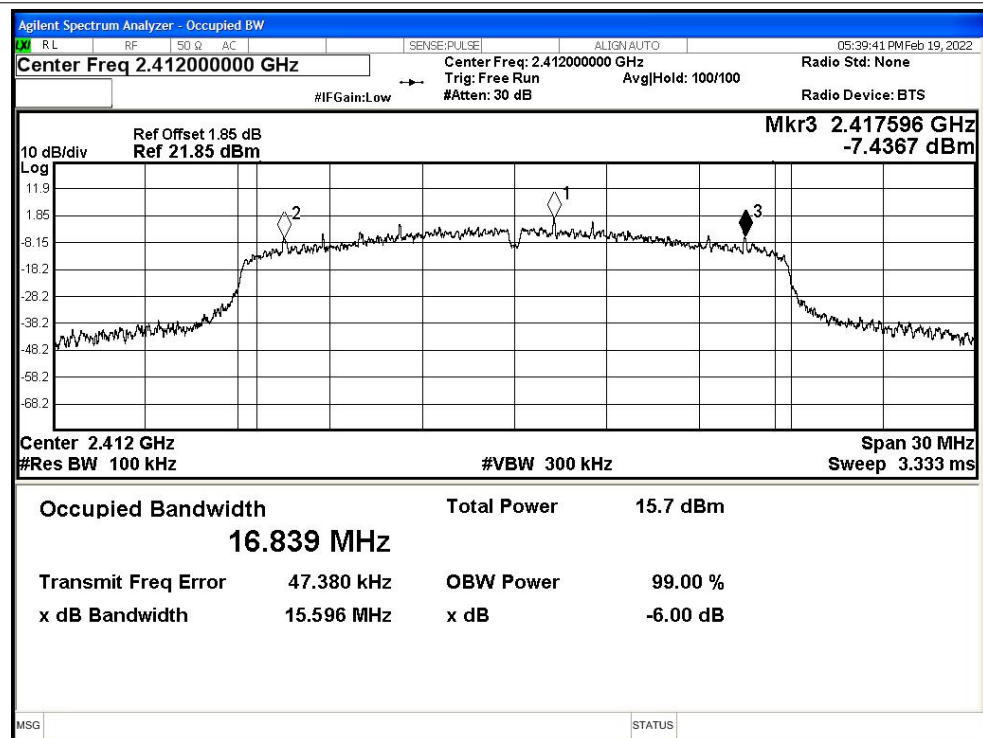


6dB Bandwidth NVNT g 2462MHz Ant1

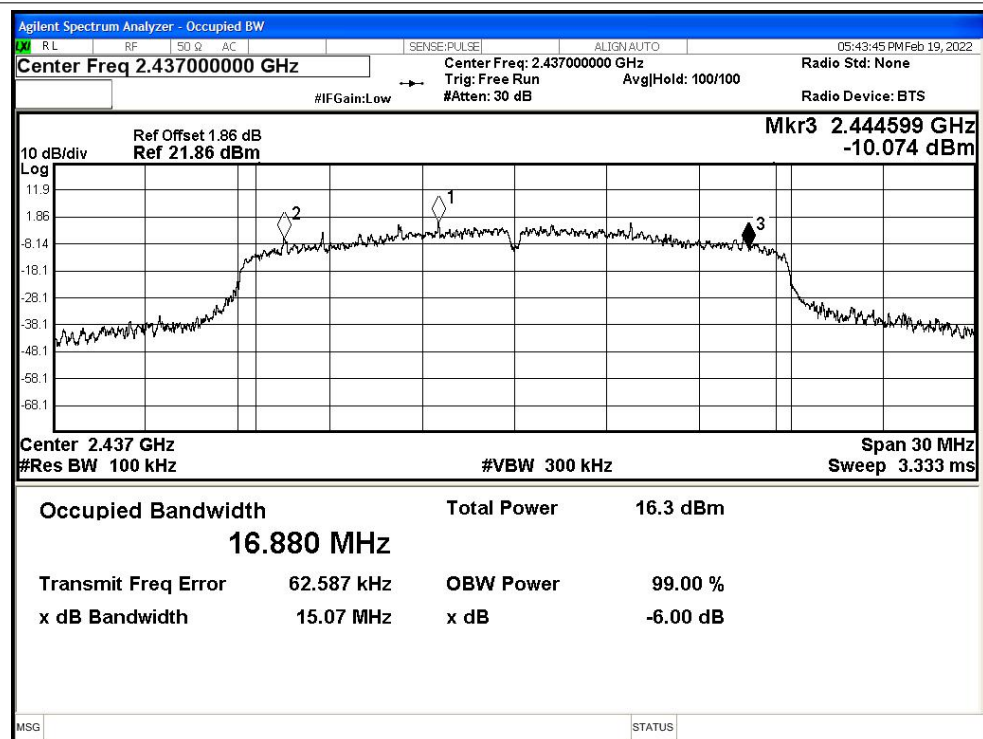




6dB Bandwidth NVNT n20 2412MHz Ant1

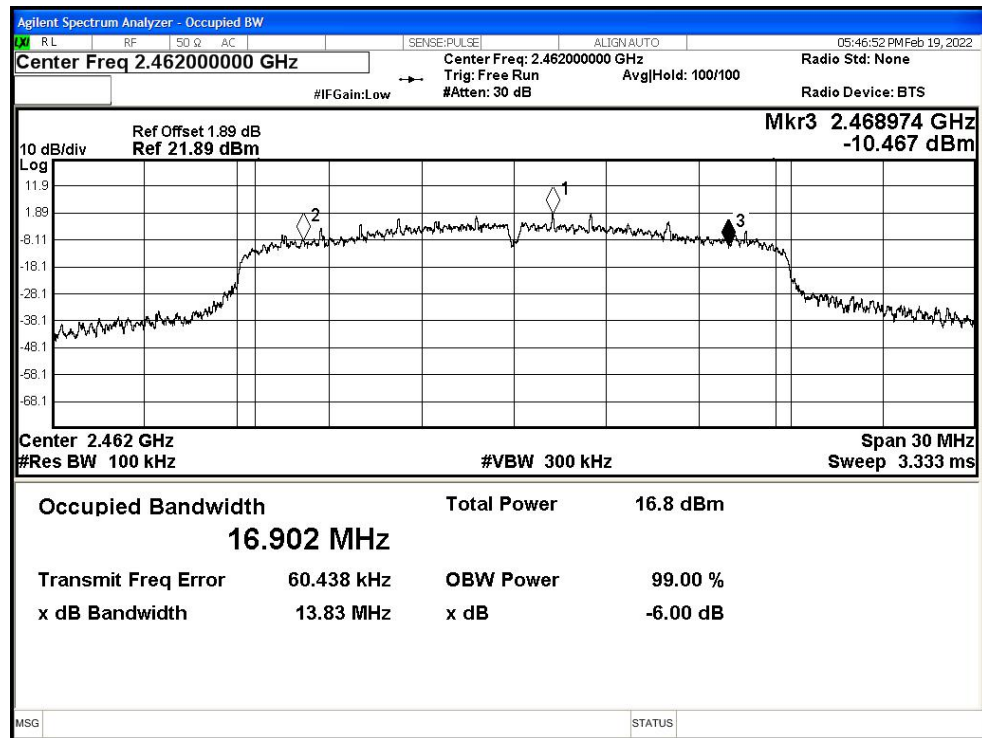


6dB Bandwidth NVNT n20 2437MHz Ant1

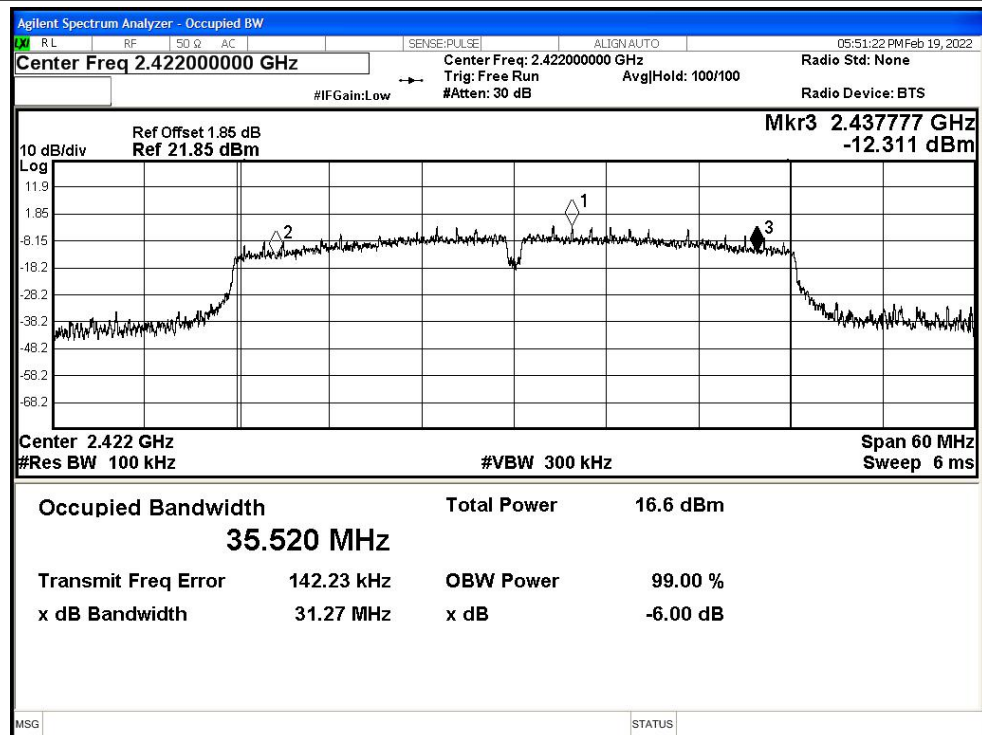




6dB Bandwidth NVNT n20 2462MHz Ant1

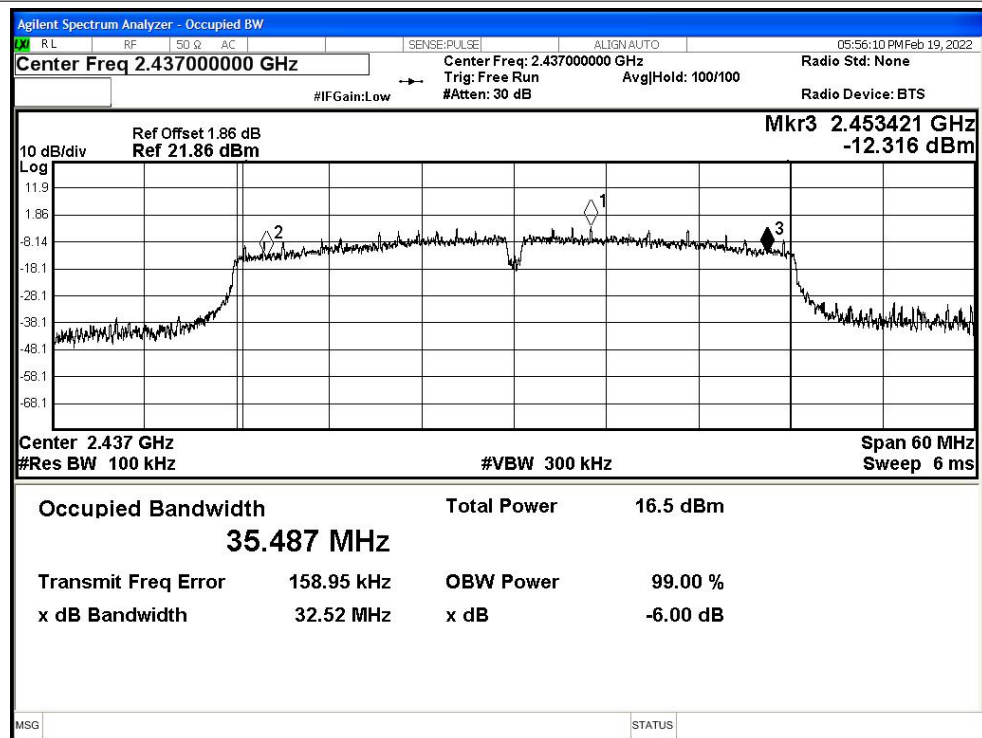


6dB Bandwidth NVNT n40 2422MHz Ant1

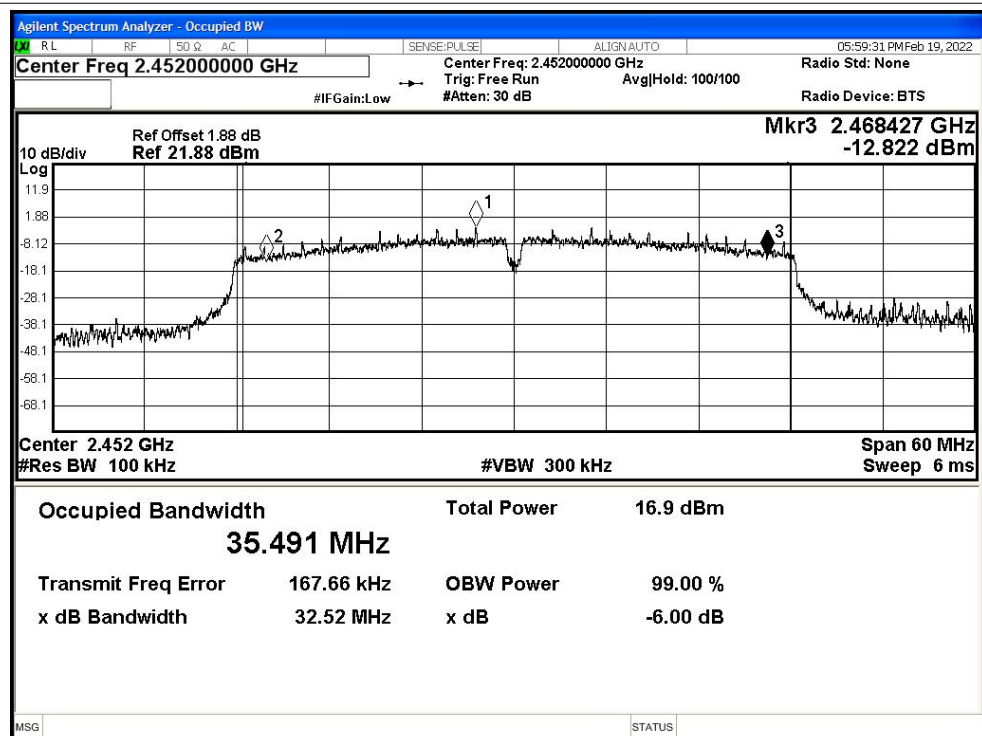




6dB Bandwidth NVNT n40 2437MHz Ant1



6dB Bandwidth NVNT n40 2452MHz Ant1





## C.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | 15.93             | 30          | Pass    |
| NVNT      | b    | 2437            | Ant1    | 16.58             | 30          | Pass    |
| NVNT      | b    | 2462            | Ant1    | 16.93             | 30          | Pass    |
| NVNT      | g    | 2412            | Ant1    | 15.55             | 30          | Pass    |
| NVNT      | g    | 2437            | Ant1    | 15.97             | 30          | Pass    |
| NVNT      | g    | 2462            | Ant1    | 16.56             | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 14.25             | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 15.03             | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 15.33             | 30          | Pass    |
| NVNT      | n40  | 2422            | Ant1    | 15.01             | 30          | Pass    |
| NVNT      | n40  | 2437            | Ant1    | 14.96             | 30          | Pass    |
| NVNT      | n40  | 2452            | Ant1    | 15.36             | 30          | Pass    |



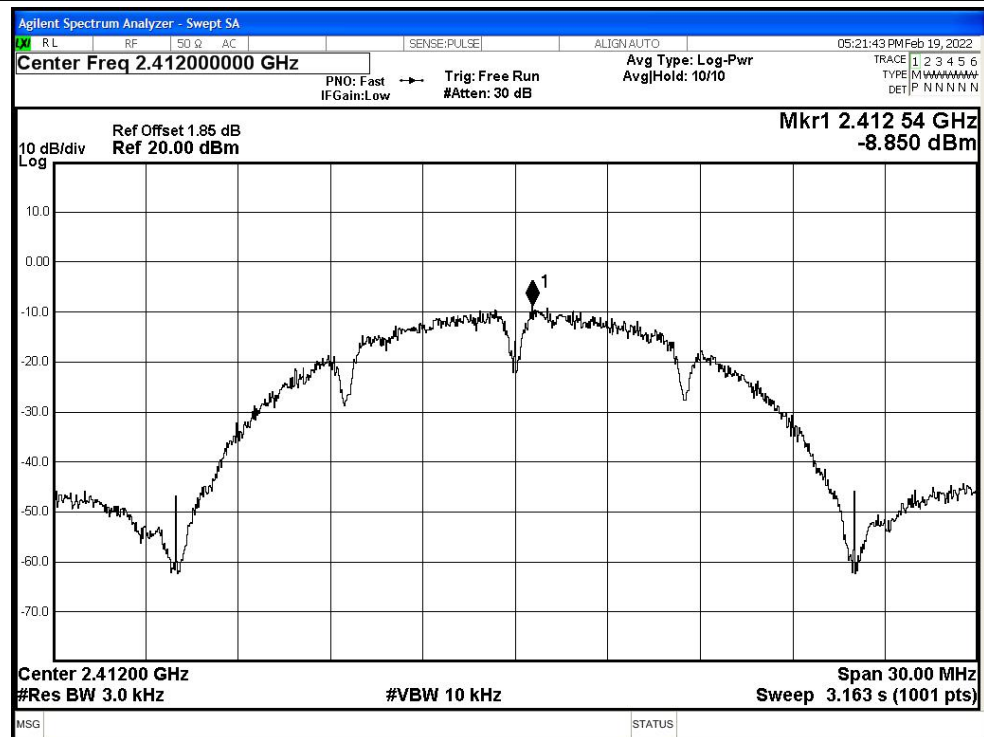
### C.3 Maximum power spectral density

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Duty Factor (dB) | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|--------------------------|------------------|----------------------|------------------|---------|
| NVNT      | b    | 2412            | Ant1    | -8.85                    | 0                | -8.85                | 8                | Pass    |
| NVNT      | b    | 2437            | Ant1    | -7.63                    | 0                | -7.63                | 8                | Pass    |
| NVNT      | b    | 2462            | Ant1    | -7.67                    | 0                | -7.67                | 8                | Pass    |
| NVNT      | g    | 2412            | Ant1    | -11.91                   | 0                | -11.91               | 8                | Pass    |
| NVNT      | g    | 2437            | Ant1    | -11.43                   | 0                | -11.43               | 8                | Pass    |
| NVNT      | g    | 2462            | Ant1    | -10.9                    | 0                | -10.9                | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -13.05                   | 0                | -13.05               | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant1    | -12.26                   | 0                | -12.26               | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -12.68                   | 0                | -12.68               | 8                | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -15.51                   | 0                | -15.51               | 8                | Pass    |
| NVNT      | n40  | 2437            | Ant1    | -15.93                   | 0                | -15.93               | 8                | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -15.29                   | 0                | -15.29               | 8                | Pass    |

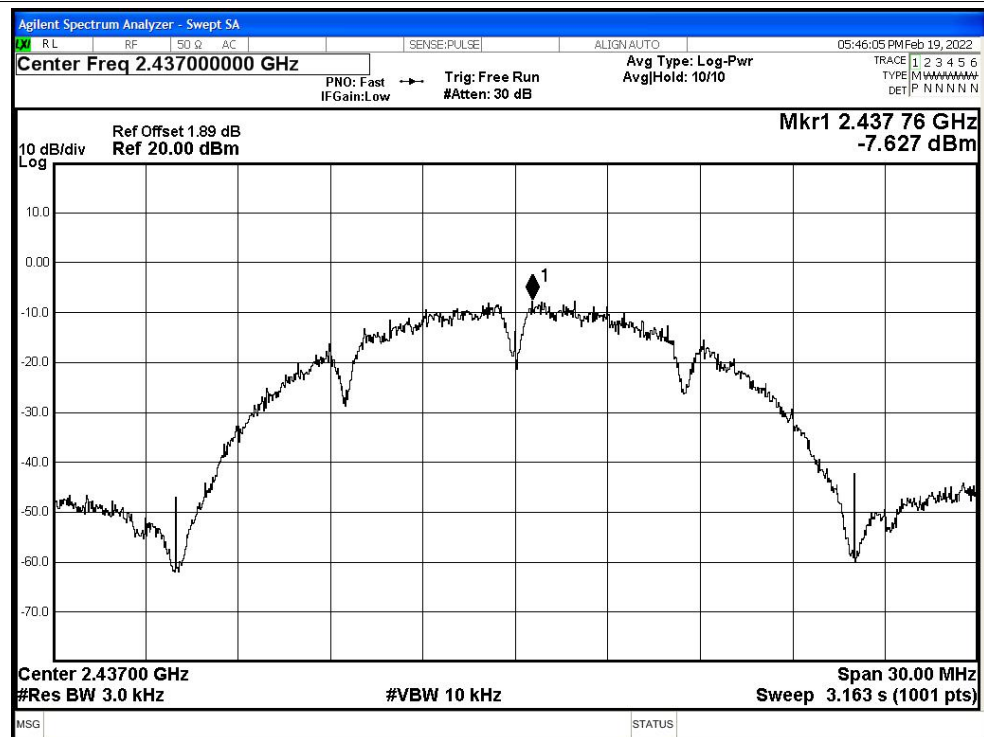


### Test Graphs

PSD NVNT b 2412MHz Ant1

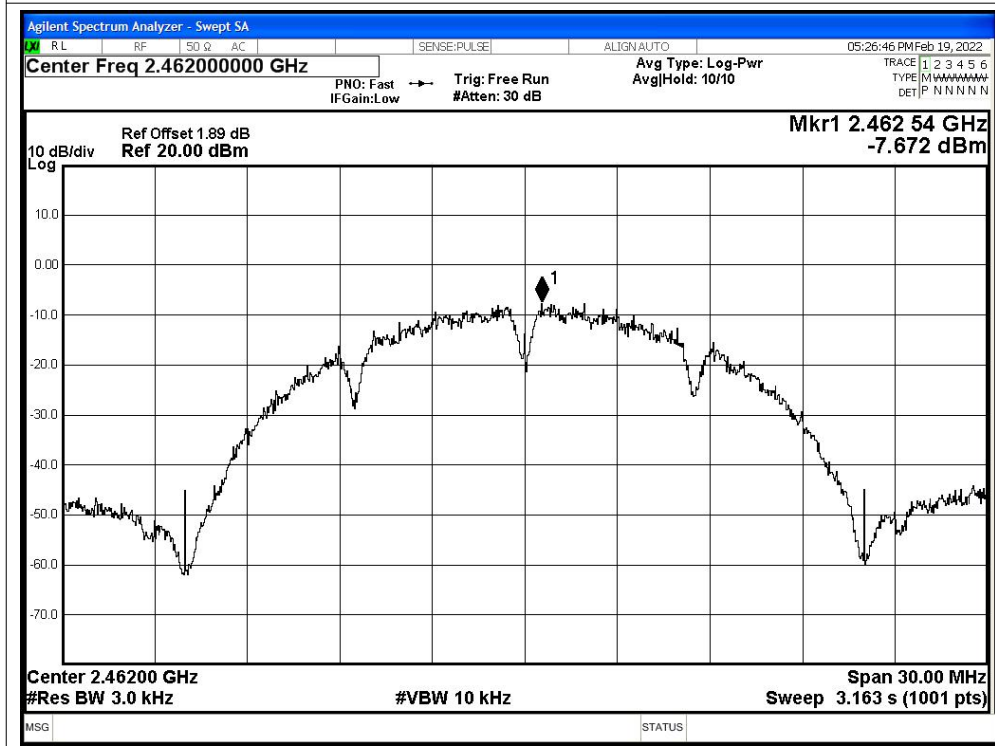


PSD NVNT b 2437MHz Ant1

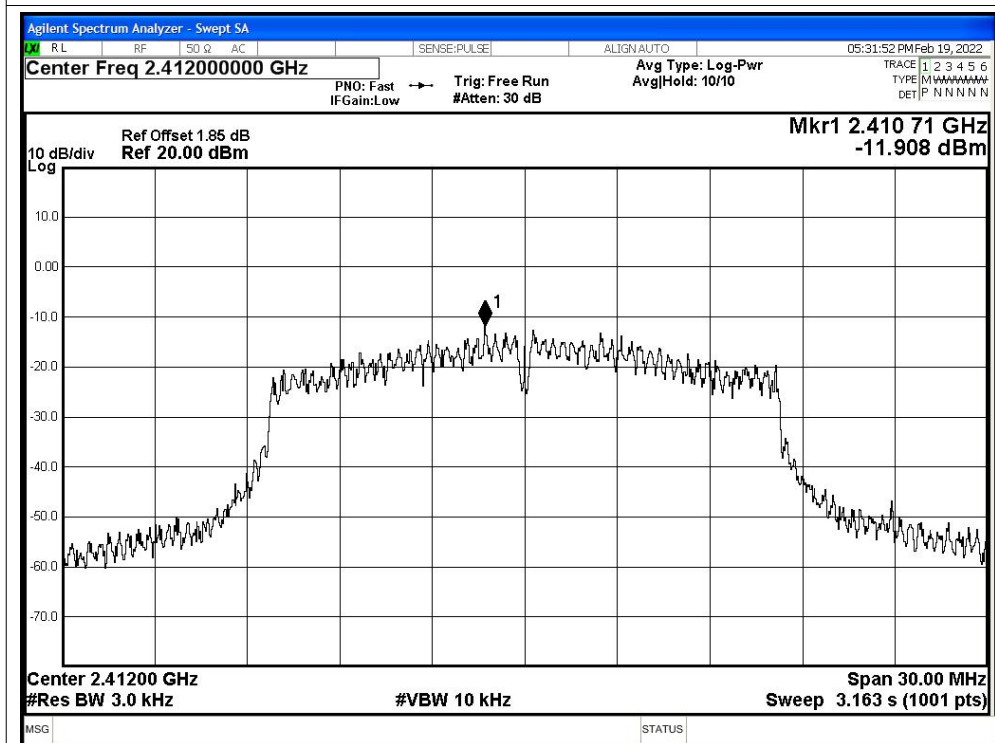




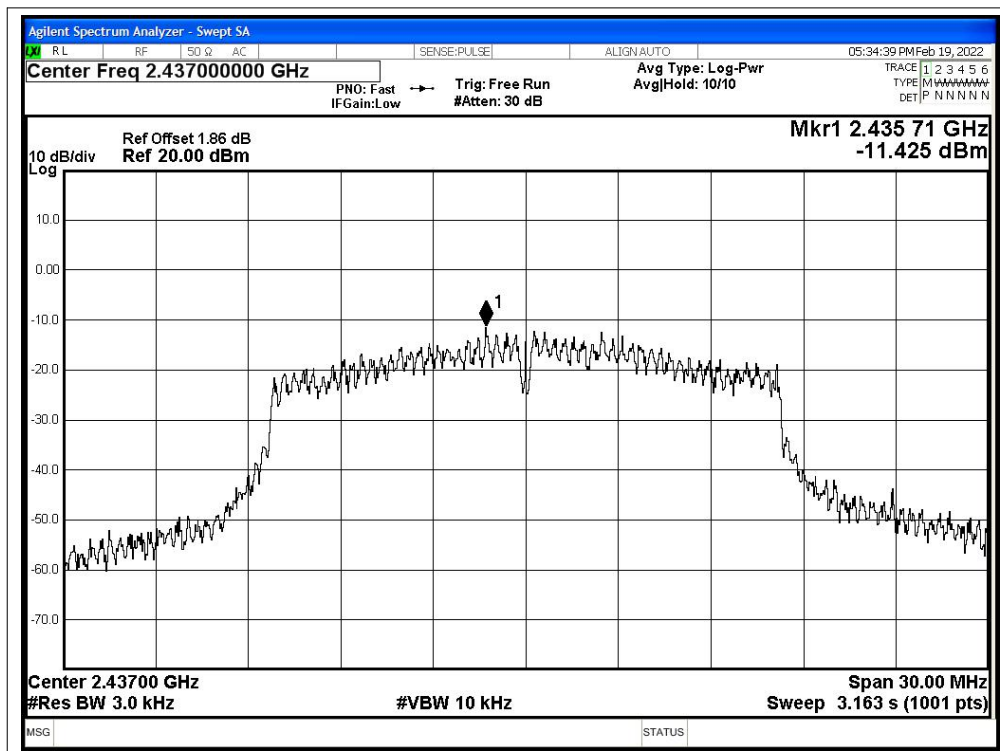
PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1

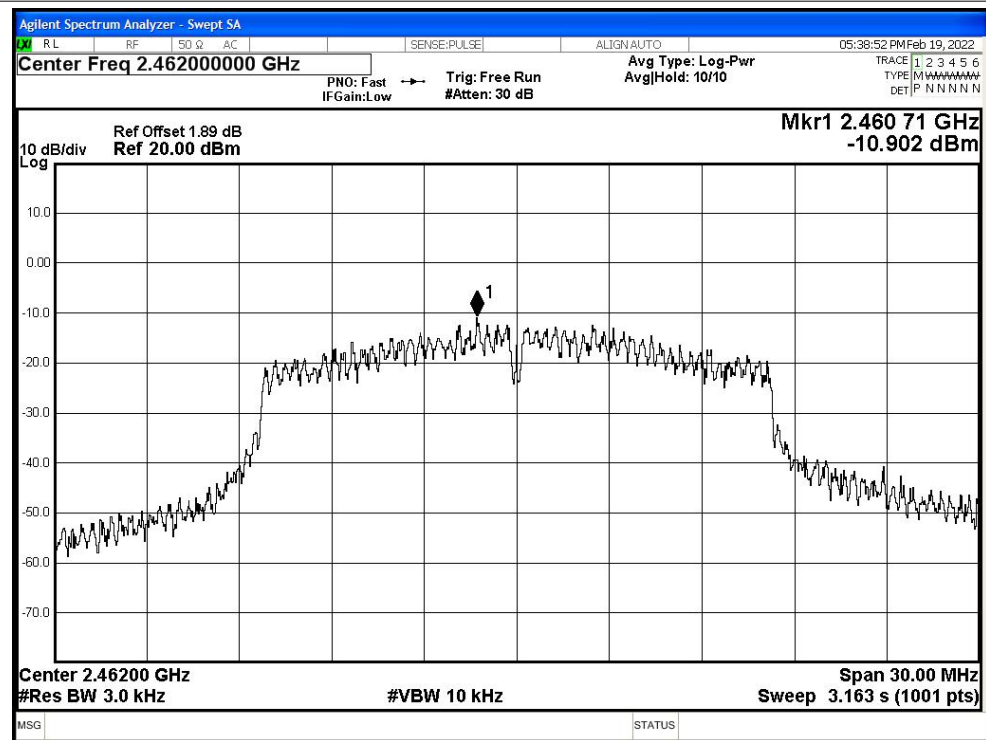


PSD NVNT g 2437MHz Ant1

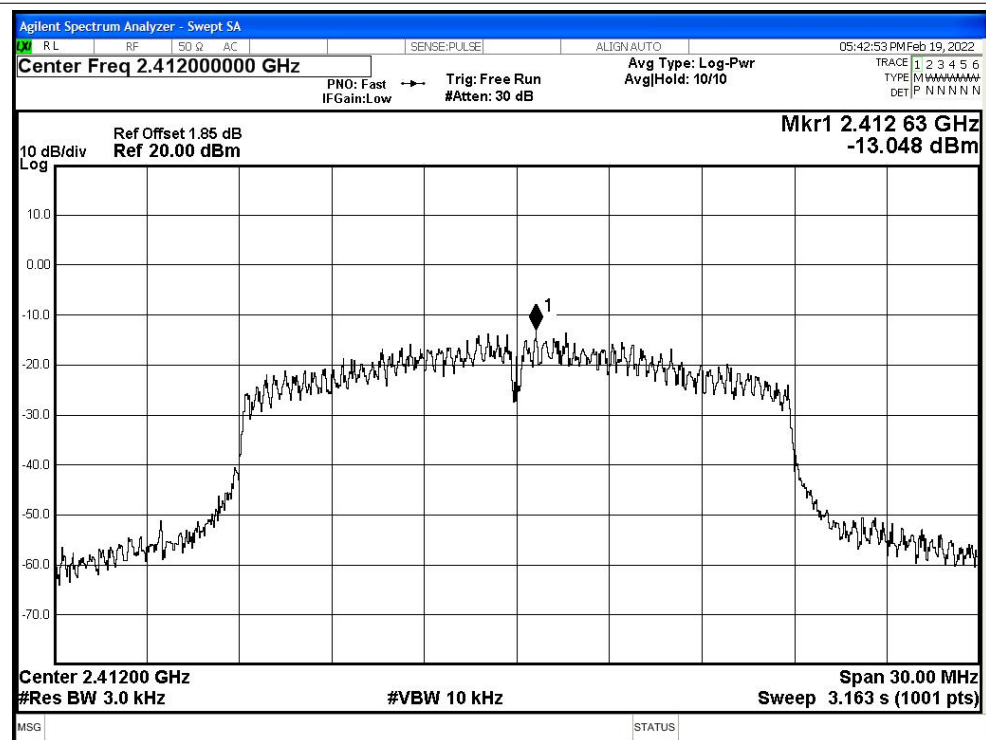




PSD NVNT g 2462MHz Ant1

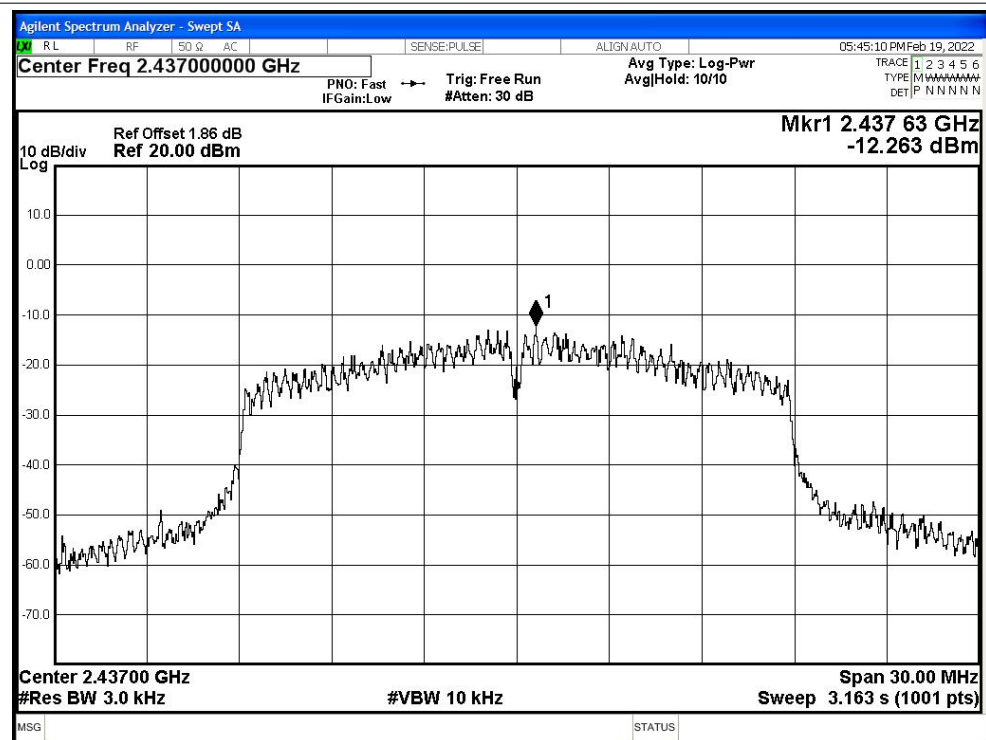


PSD NVNT n20 2412MHz Ant1

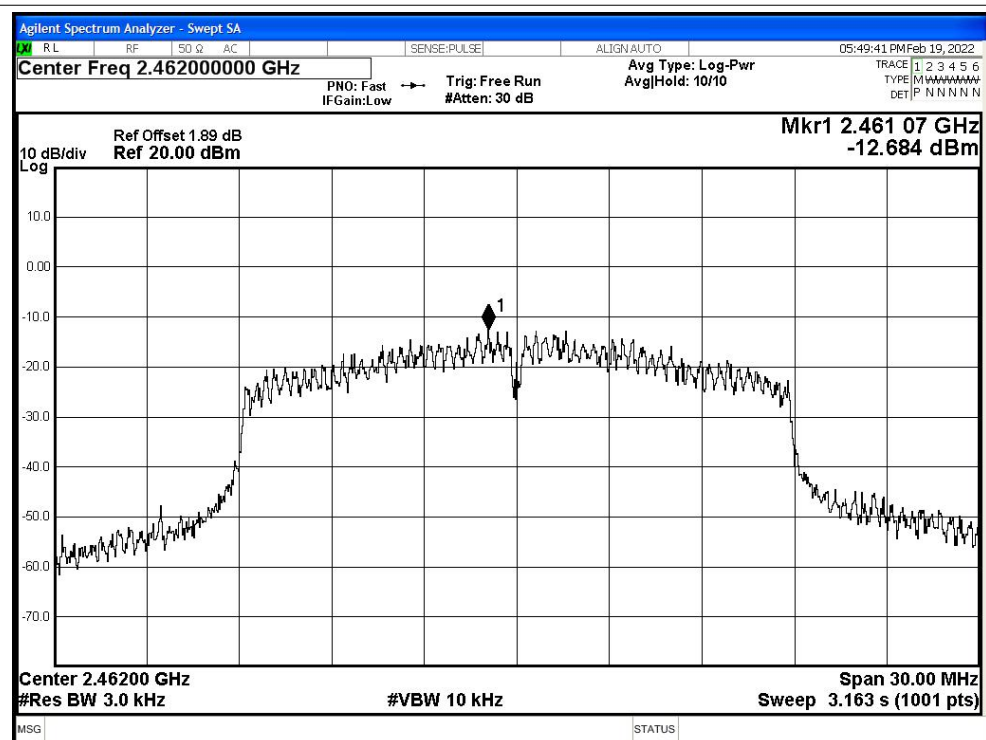




PSD NVNT n20 2437MHz Ant1

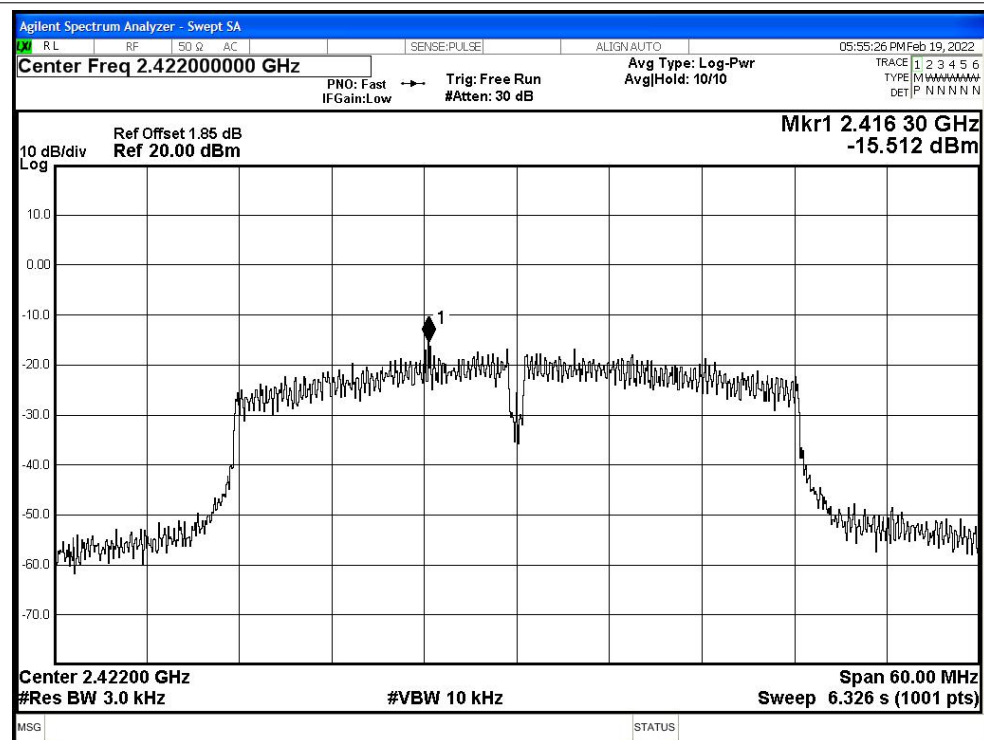


PSD NVNT n20 2462MHz Ant1

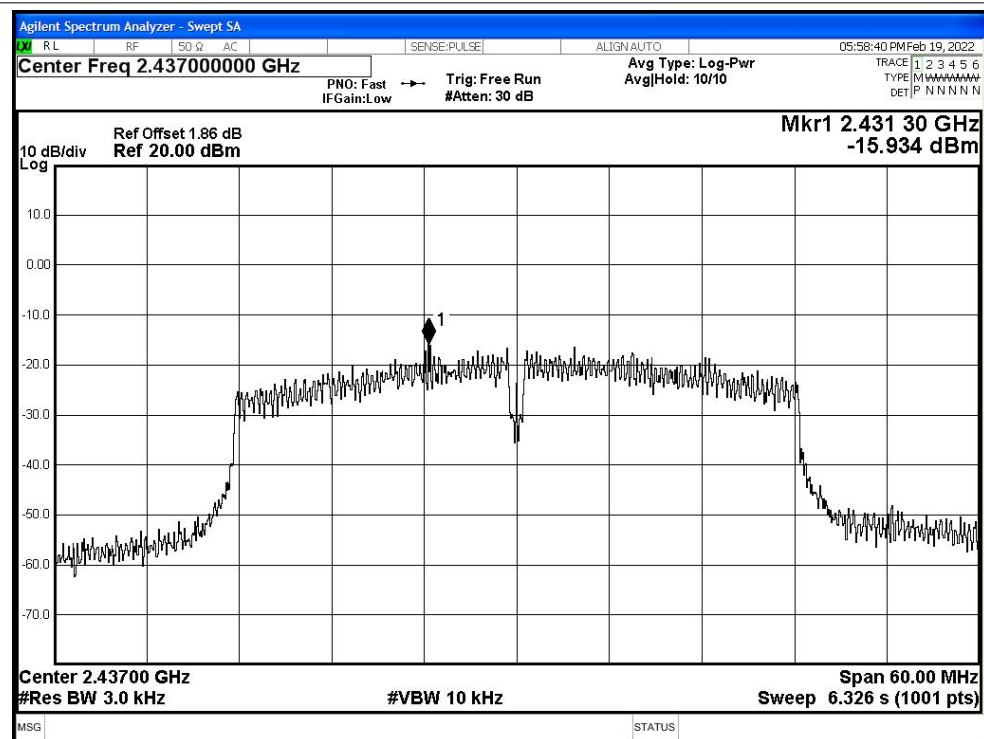


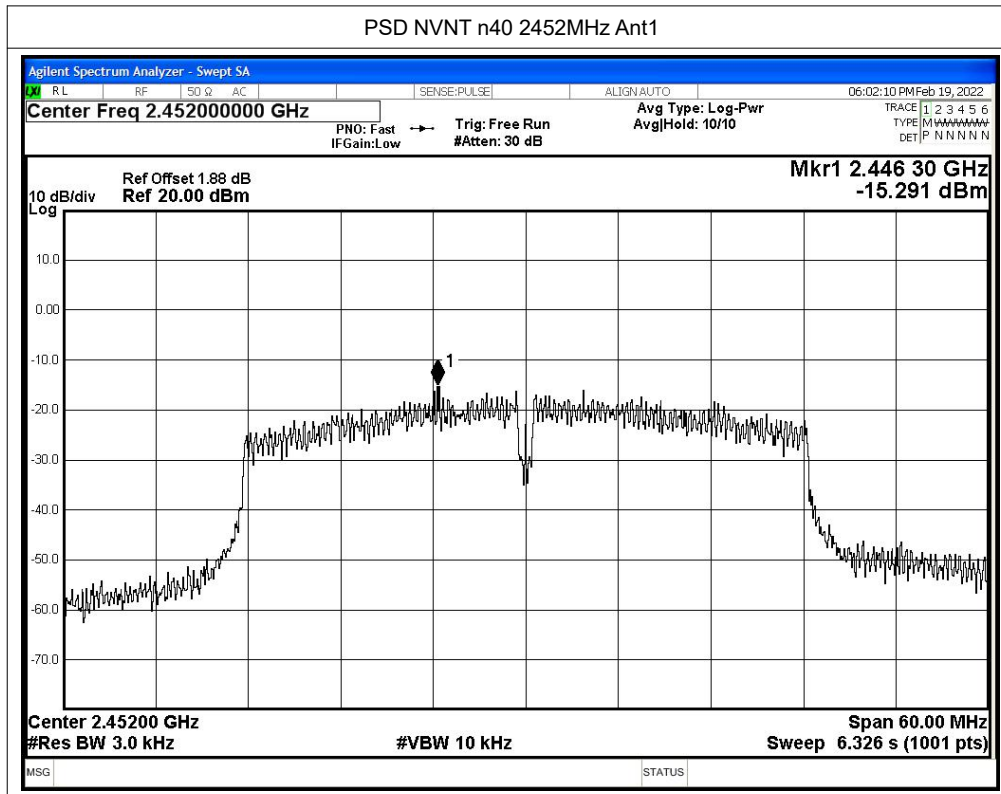


PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1







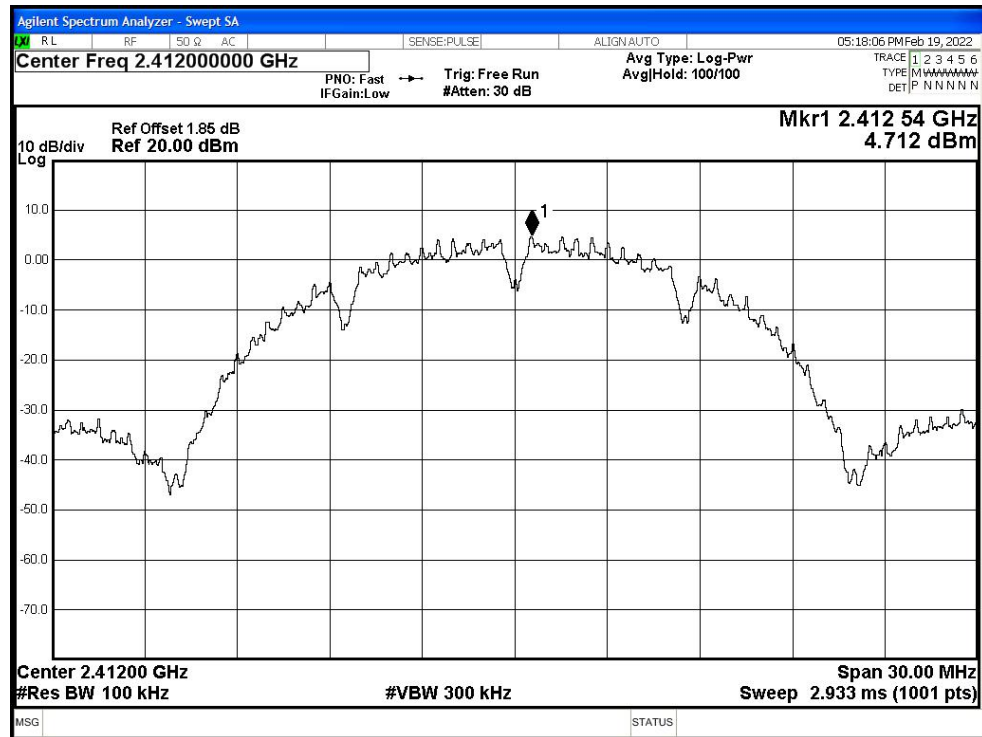
## C.4 Band edge measurements

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | -36.61          | -20         | Pass    |
| NVNT      | b    | 2462            | Ant1    | -58.32          | -20         | Pass    |
| NVNT      | g    | 2412            | Ant1    | -37.94          | -20         | Pass    |
| NVNT      | g    | 2462            | Ant1    | -46.24          | -20         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | -39.67          | -20         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | -47.56          | -20         | Pass    |
| NVNT      | n40  | 2422            | Ant1    | -32.66          | -20         | Pass    |
| NVNT      | n40  | 2452            | Ant1    | -32.64          | -20         | Pass    |



### Test Graphs

#### Band Edge NVNT b 2412MHz Ant1 Ref

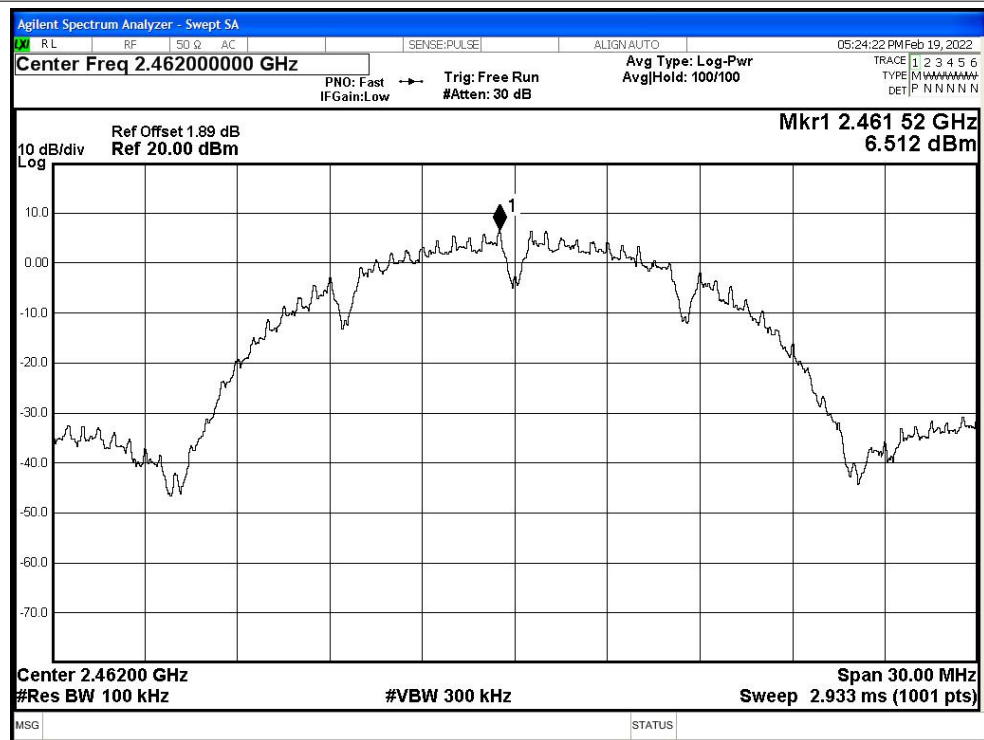


#### Band Edge NVNT b 2412MHz Ant1 Emission

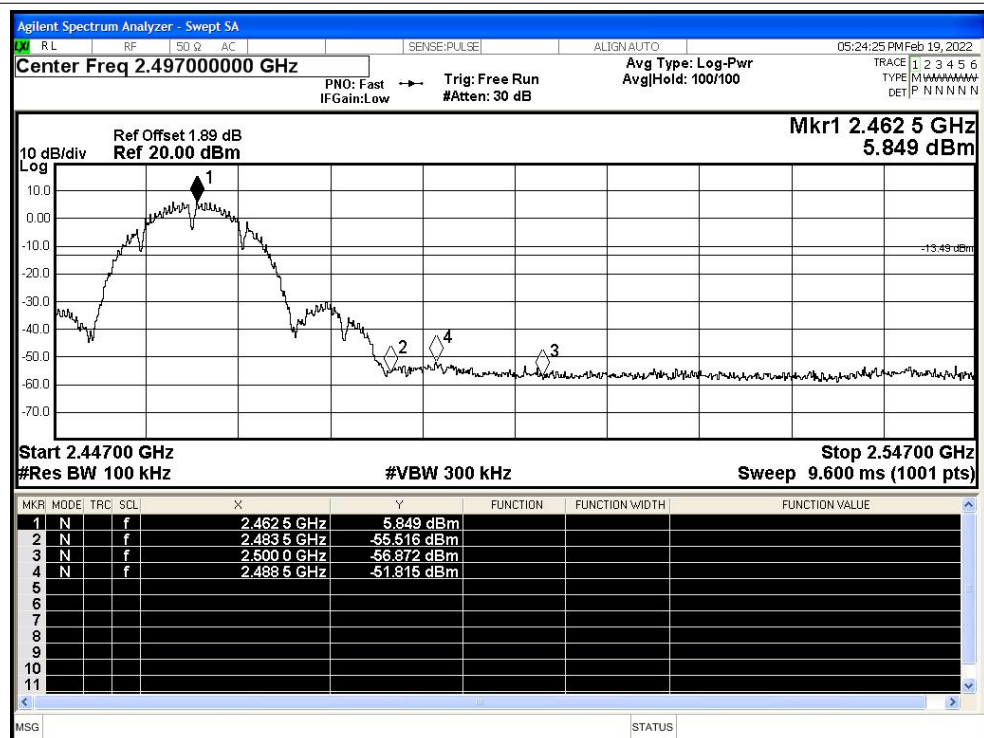




Band Edge NVNT b 2462MHz Ant1 Ref

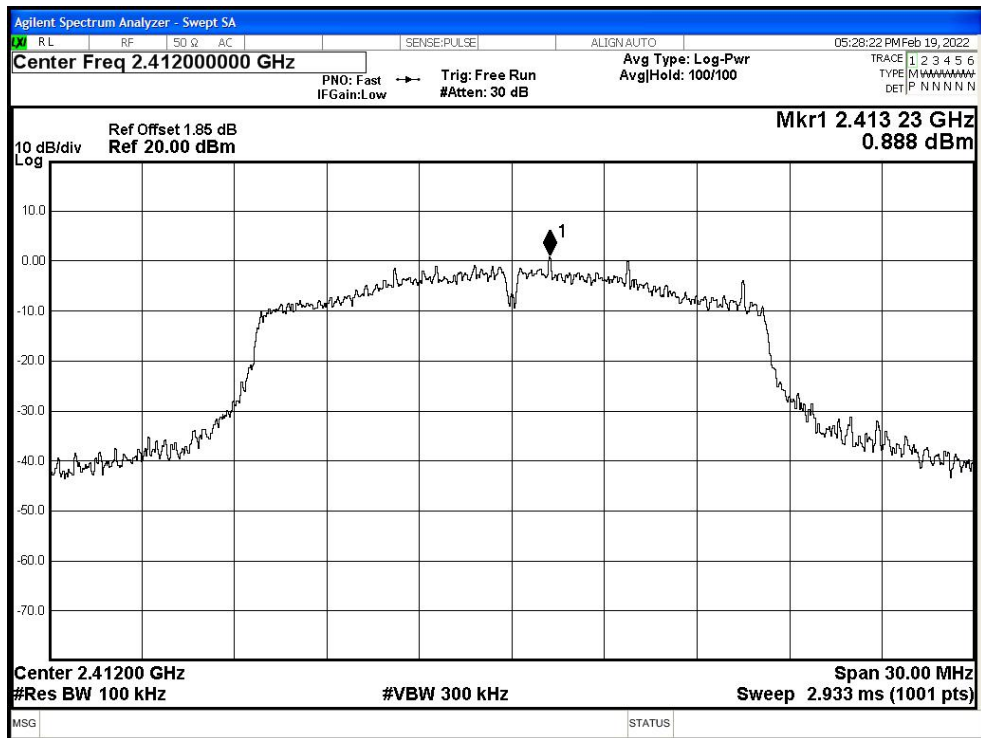


Band Edge NVNT b 2462MHz Ant1 Emission

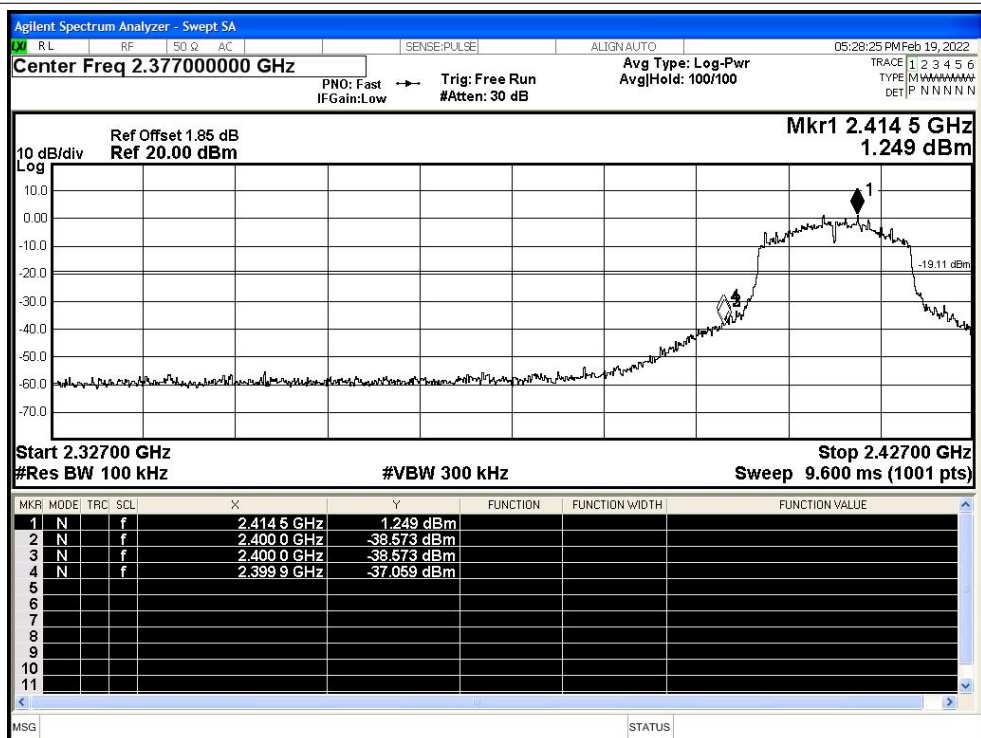




Band Edge NVNT g 2412MHz Ant1 Ref

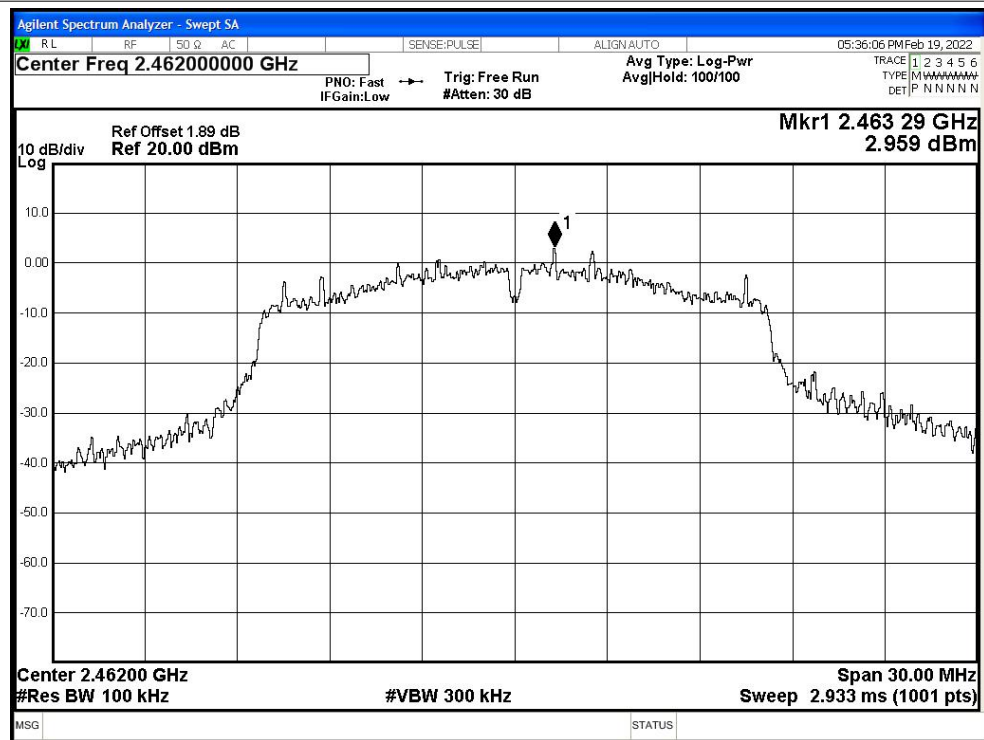


Band Edge NVNT g 2412MHz Ant1 Emission

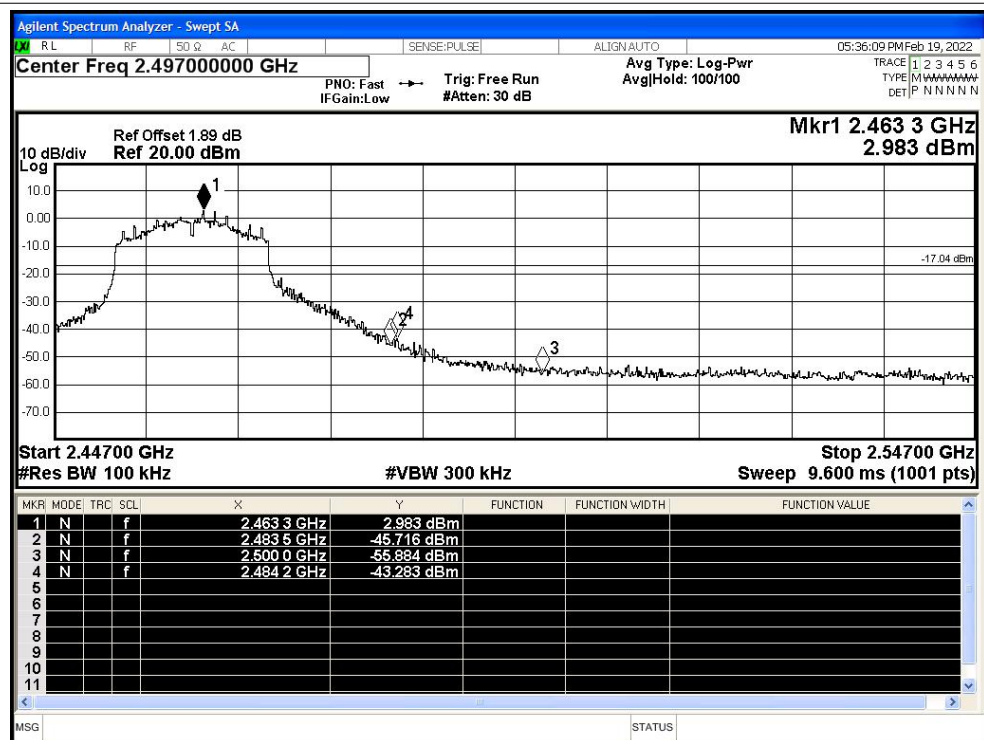




Band Edge NVNT g 2462MHz Ant1 Ref

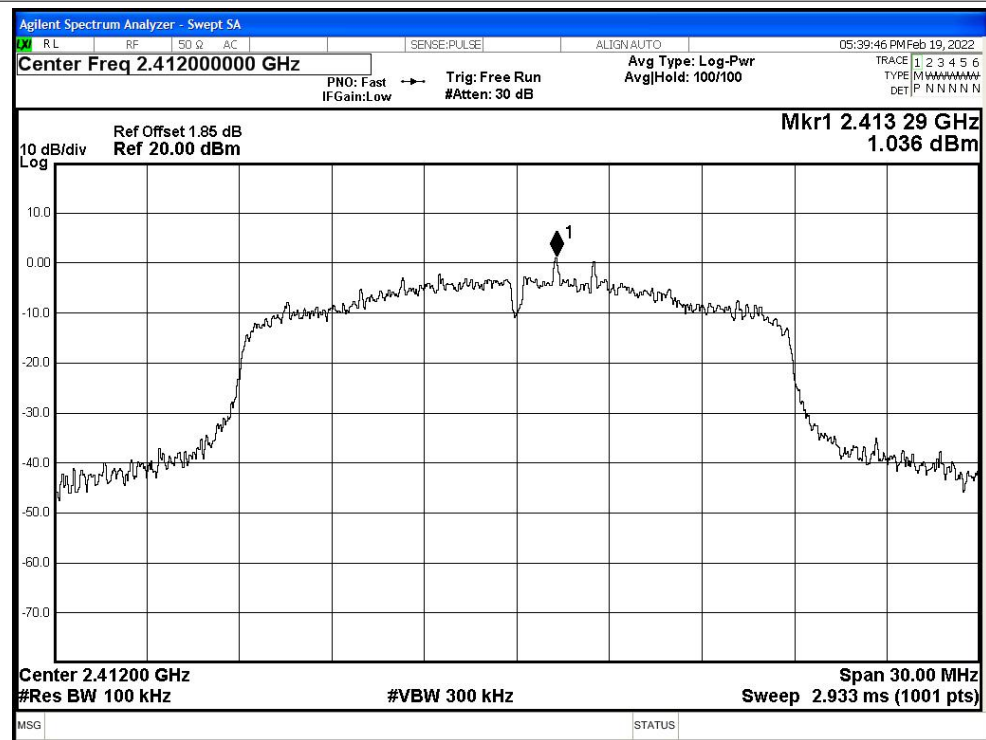


Band Edge NVNT g 2462MHz Ant1 Emission

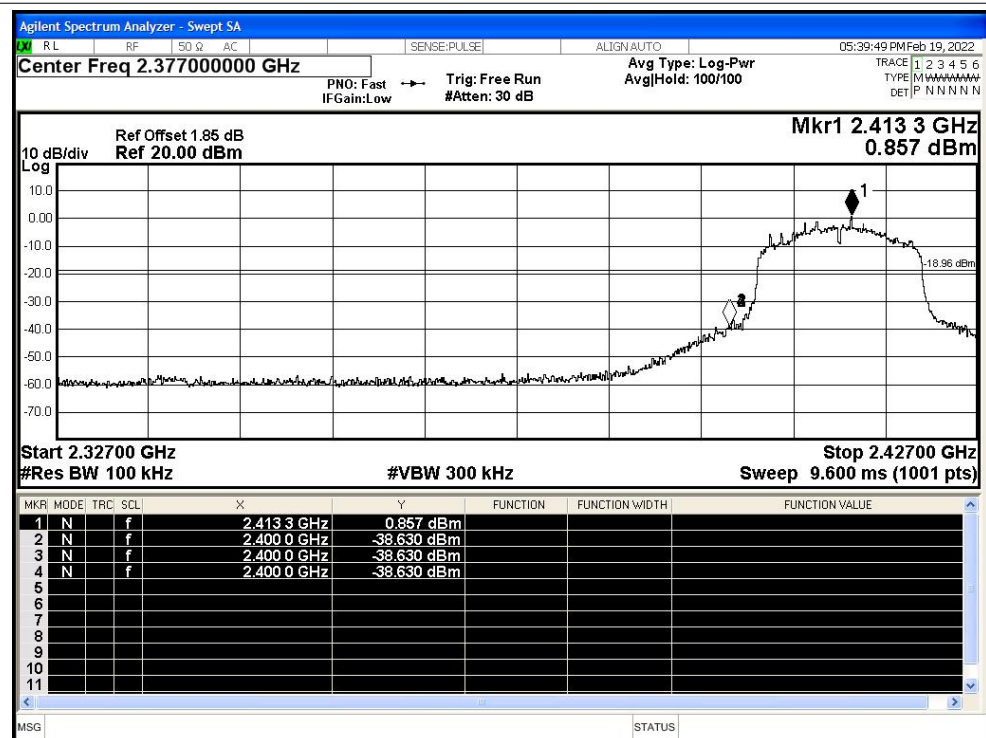




Band Edge NVNT n20 2412MHz Ant1 Ref

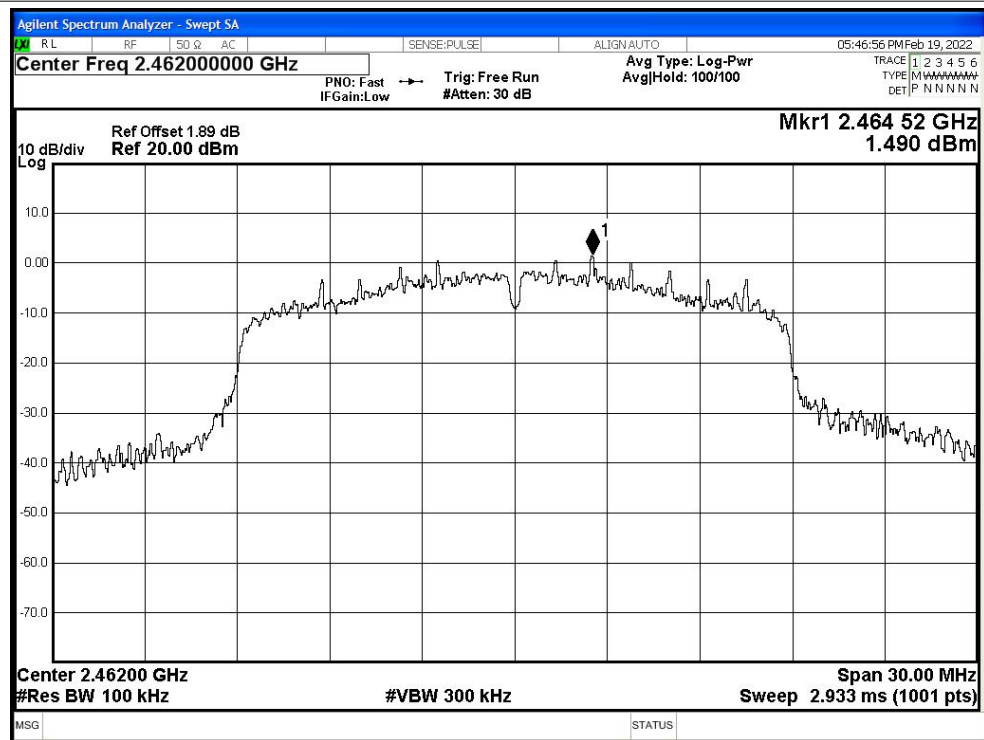


Band Edge NVNT n20 2412MHz Ant1 Emission





Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission

