



Appendix G

RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: 06 Bay Smart Locker

Test Model: TSHL-06BA

Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 24.5° C   |
| Relative Humidity: | 53.6%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Jerry Chu |
| Supervised by:     | Can Kun   |





## G.1 -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.37                 | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.35                 | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.34                 | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 17.4                  | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.28                 | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.33                 | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 35.86                 | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 35.85                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.28                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.51                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.28                 | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 35.9                  | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 35.84                 | 0.5                         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 75.61                 | 0.5                         | Pass    |

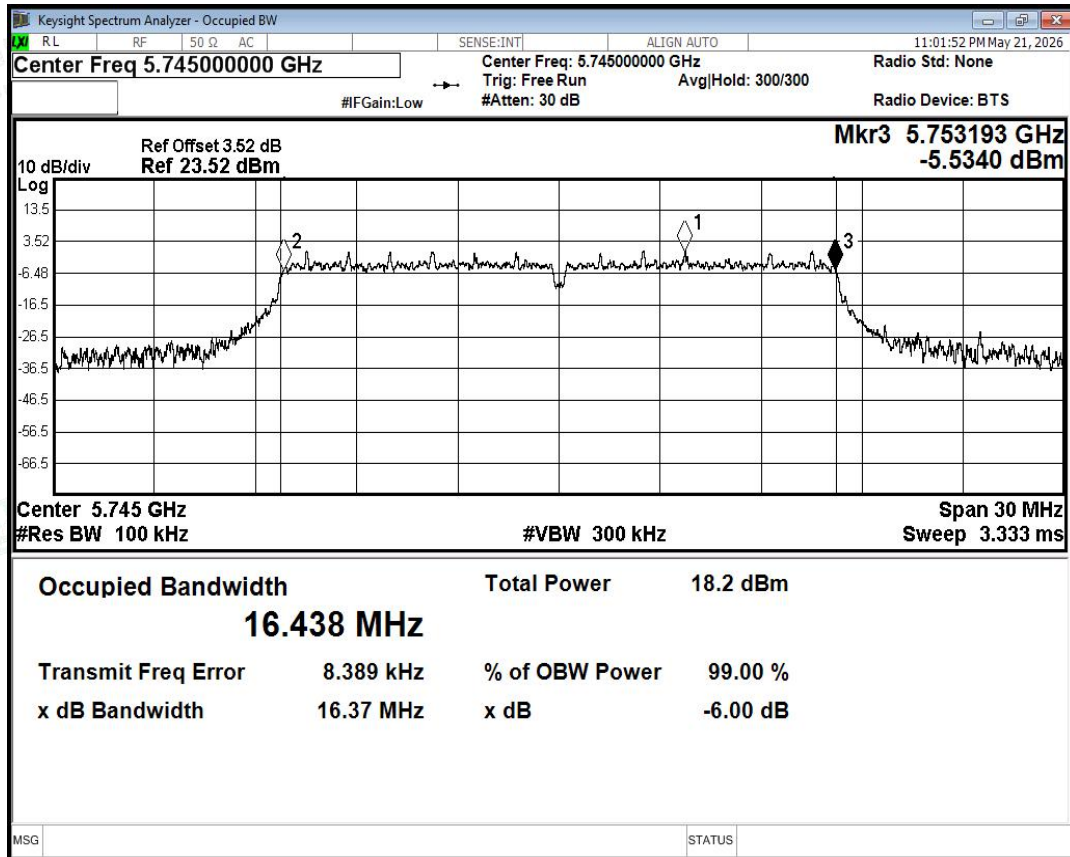


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-6dB Bandwidth NVNT a 5745MHz Ant1

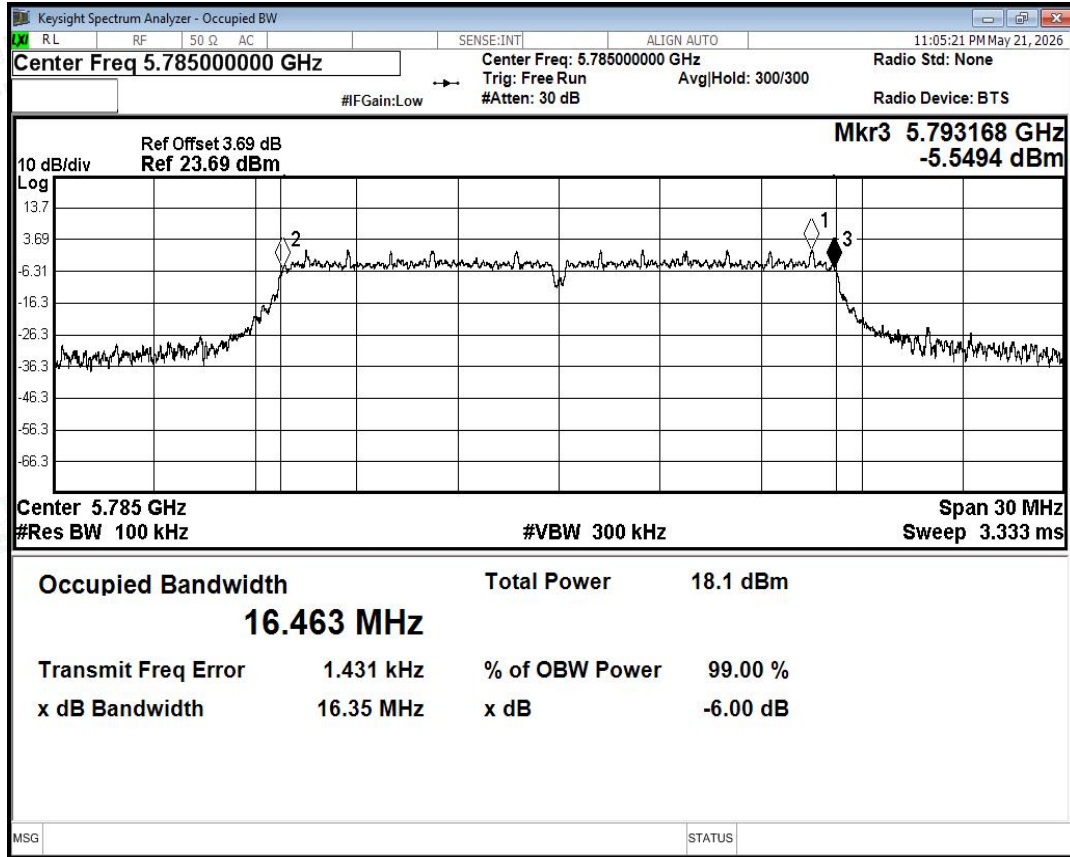


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-6dB Bandwidth NVNT a 5785MHz Ant1

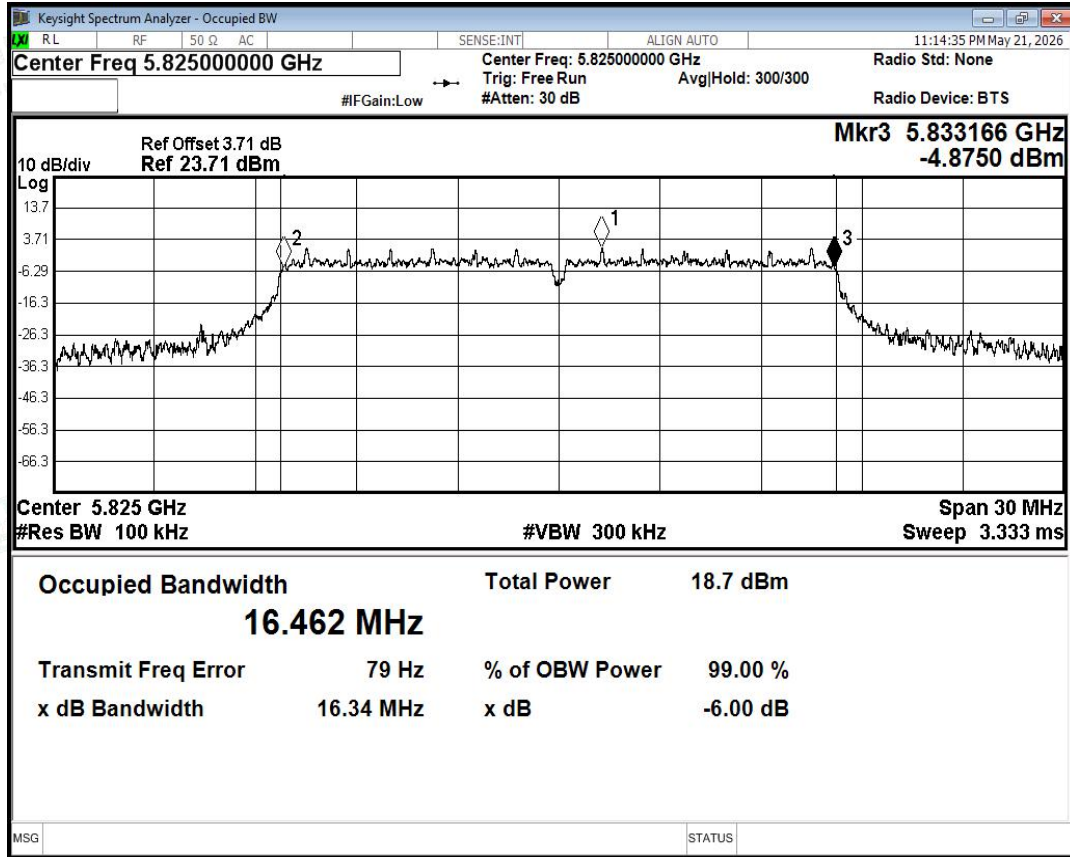


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-6dB Bandwidth NVNT a 5825MHz Ant1

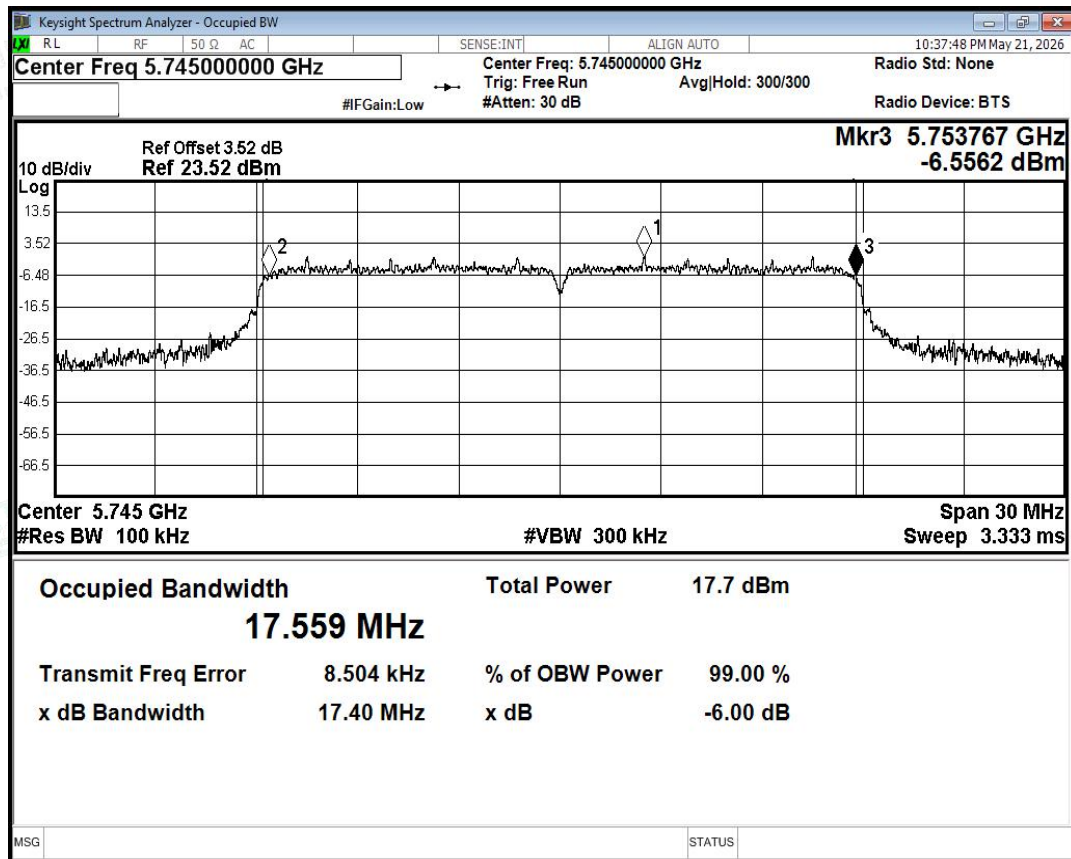


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-6dB Bandwidth NVNT n20 5745MHz Ant1

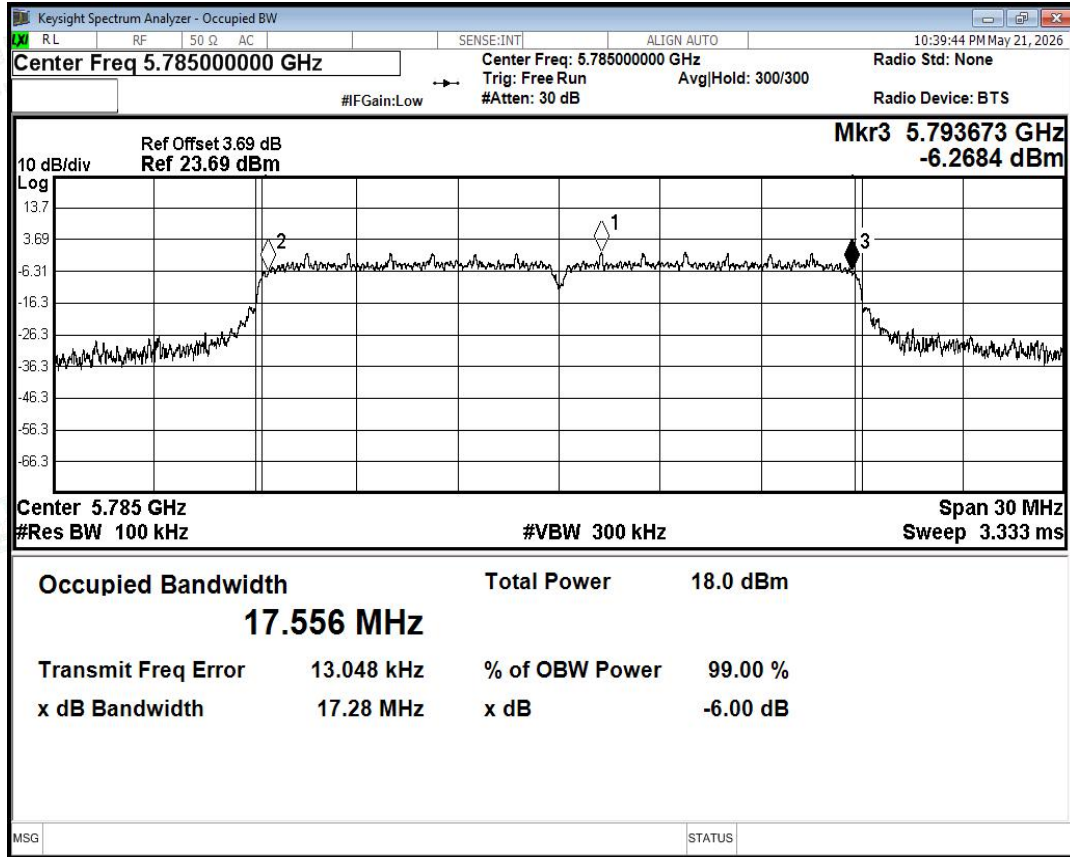


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-6dB Bandwidth NVNT n20 5785MHz Ant1

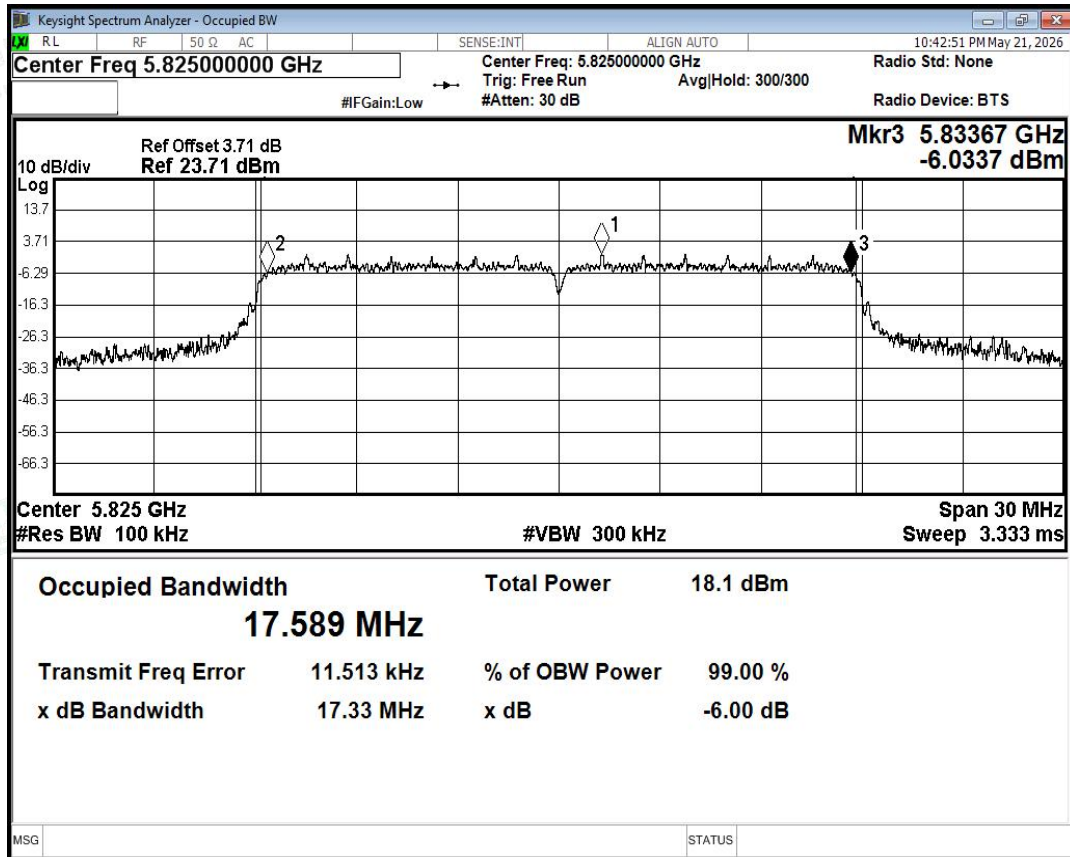


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-6dB Bandwidth NVNT n20 5825MHz Ant1

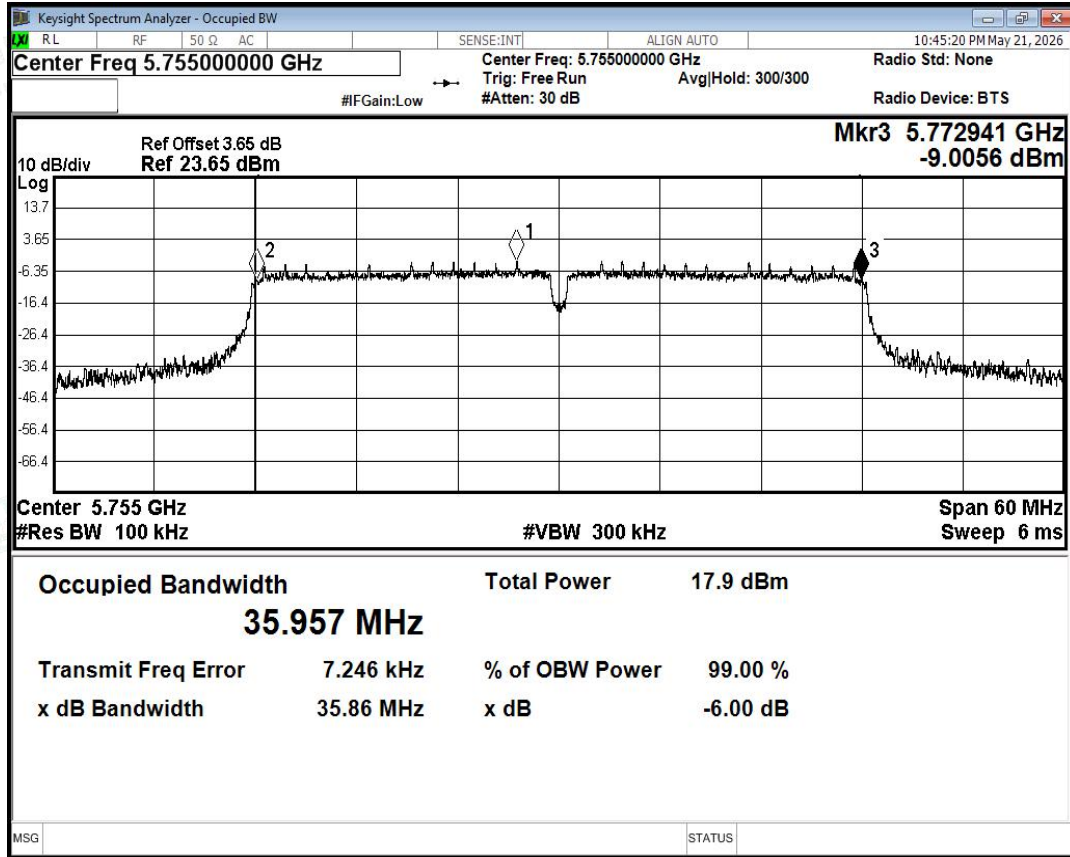


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-6dB Bandwidth NVNT n40 5755MHz Ant1

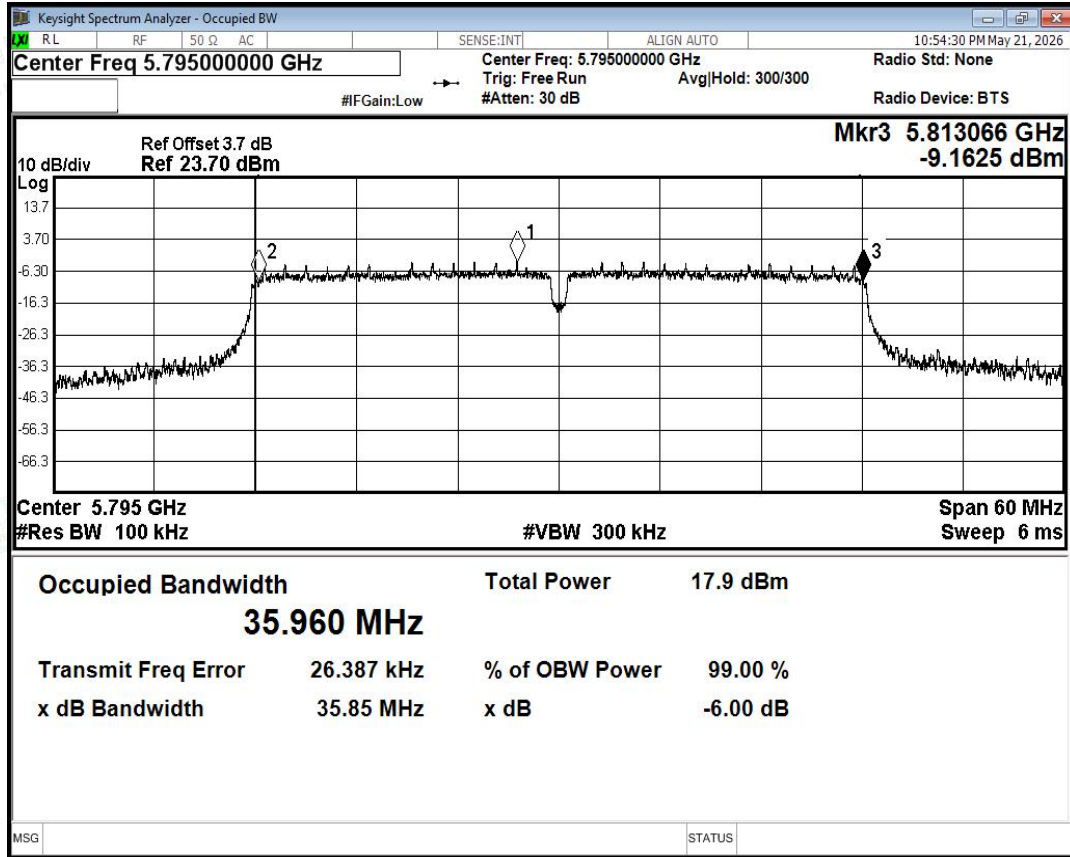


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-6dB Bandwidth NVNT n40 5795MHz Ant1

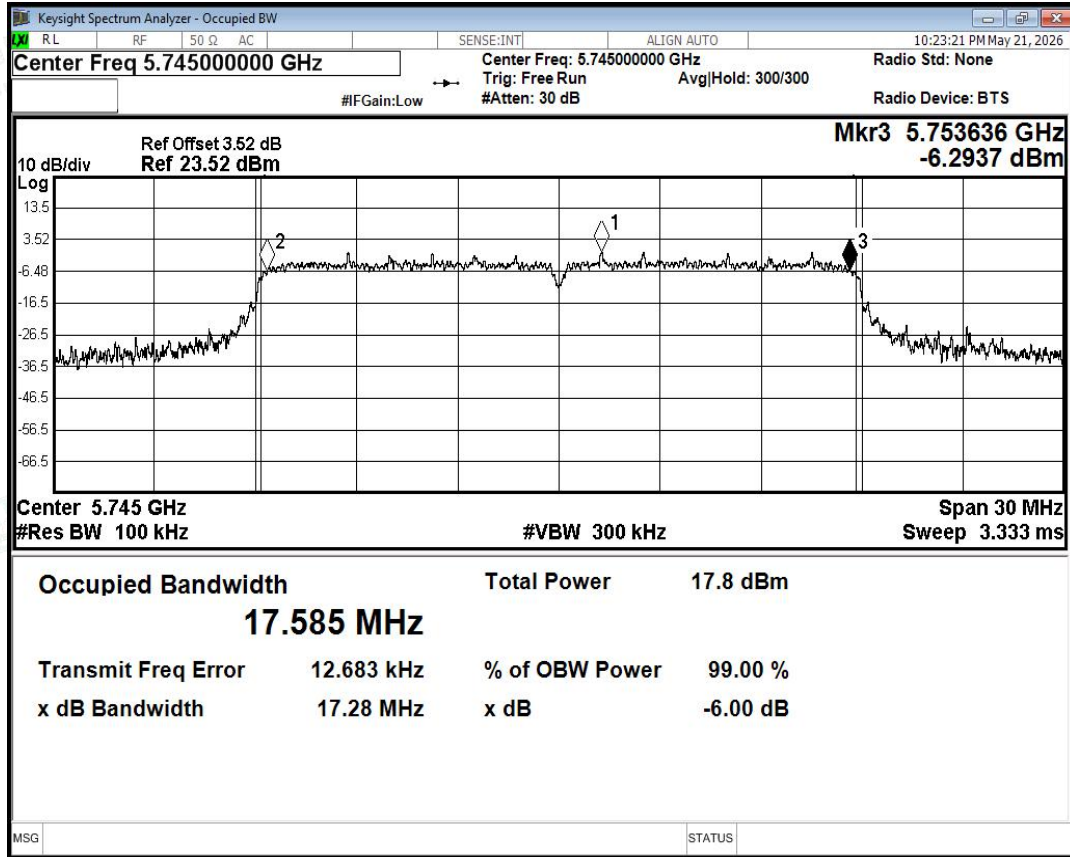


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-6dB Bandwidth NVNT ac20 5745MHz Ant1

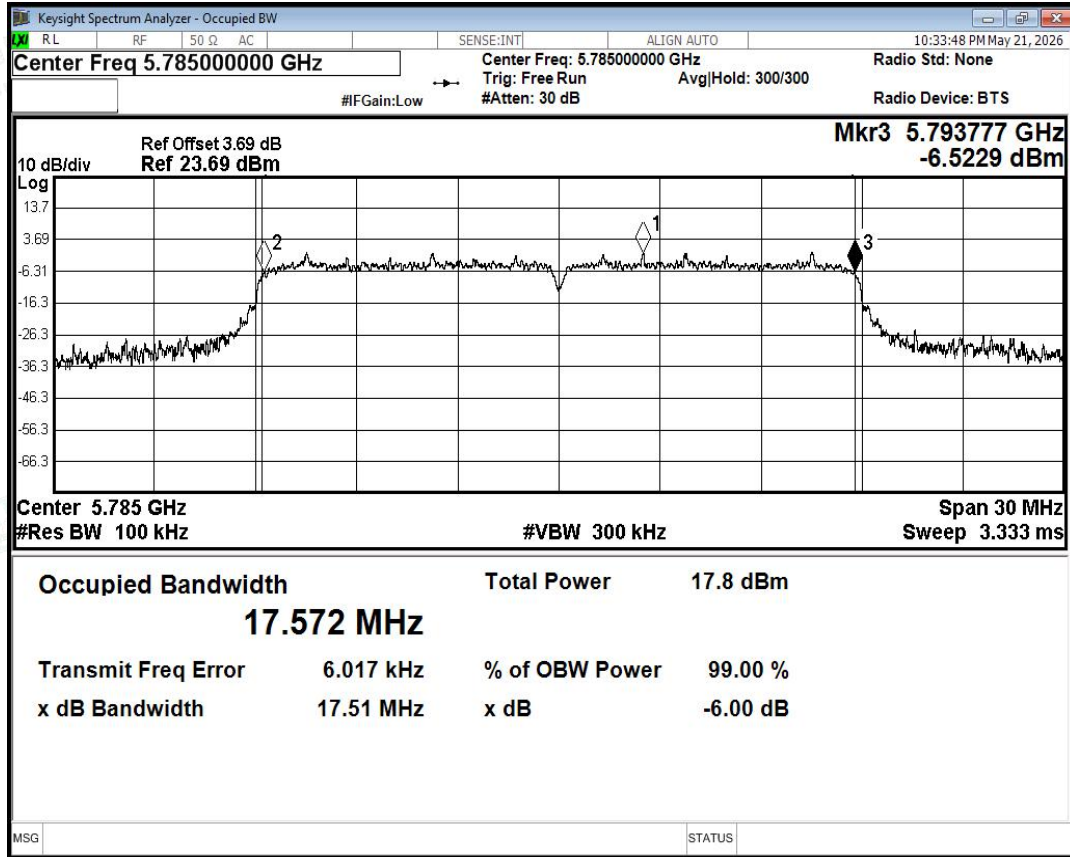


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-6dB Bandwidth NVNT ac20 5785MHz Ant1

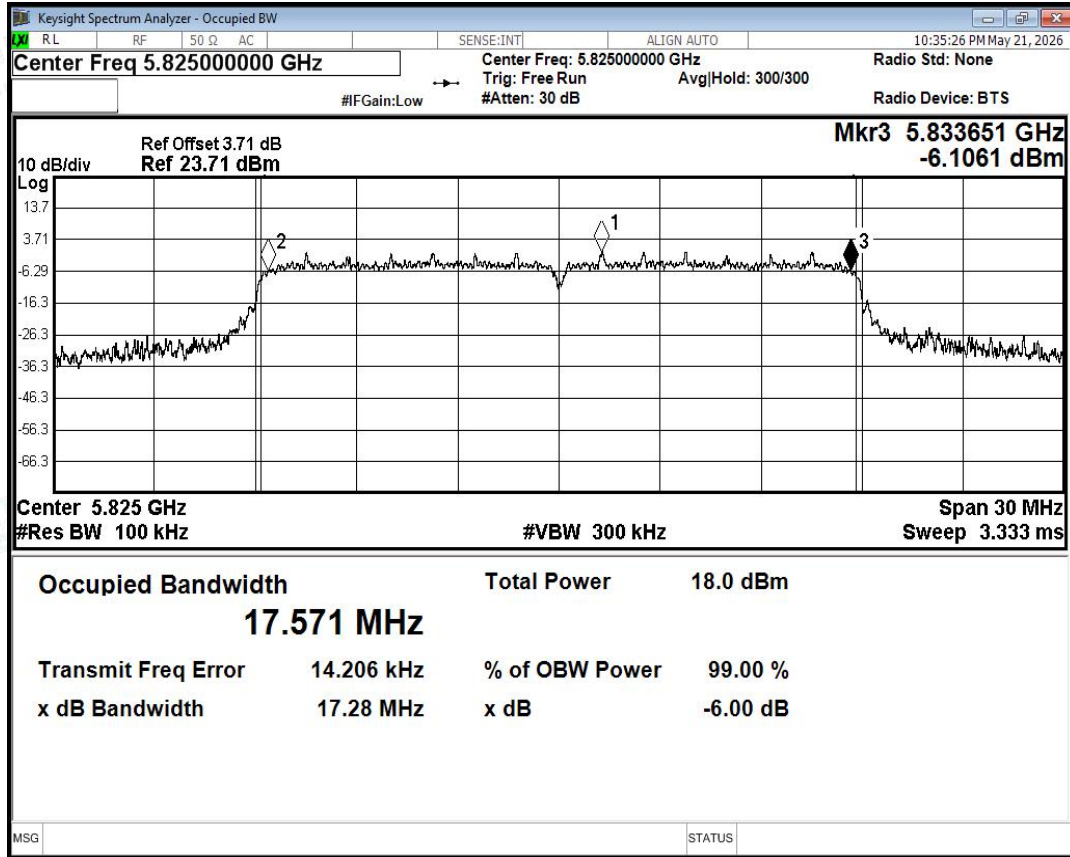


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-6dB Bandwidth NVNT ac20 5825MHz Ant1

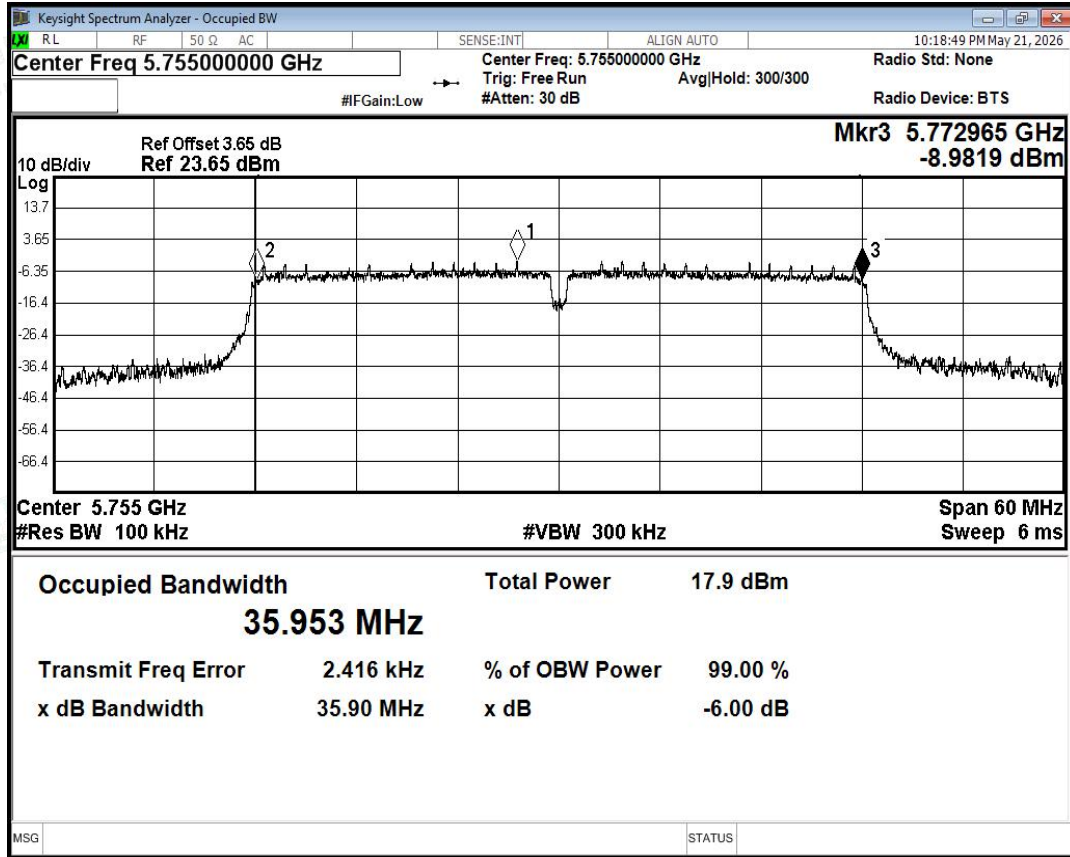


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-6dB Bandwidth NVNT ac40 5755MHz Ant1

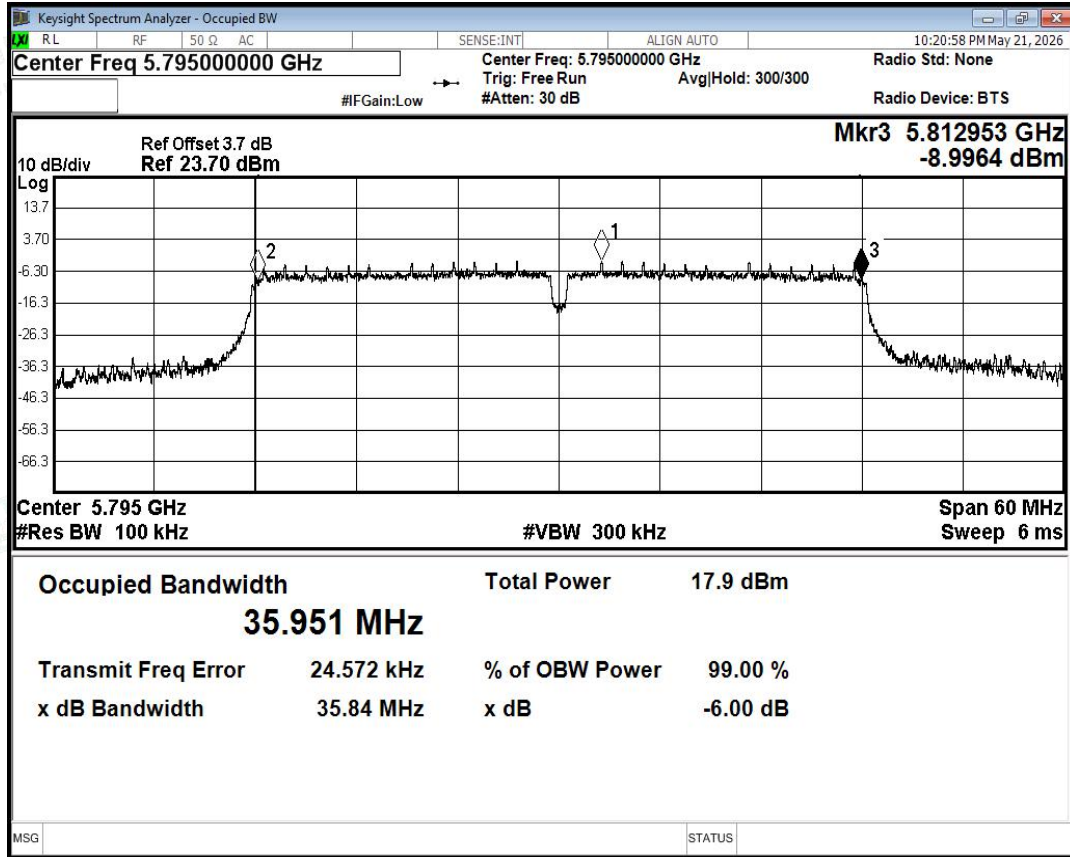


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-6dB Bandwidth NVNT ac40 5795MHz Ant1

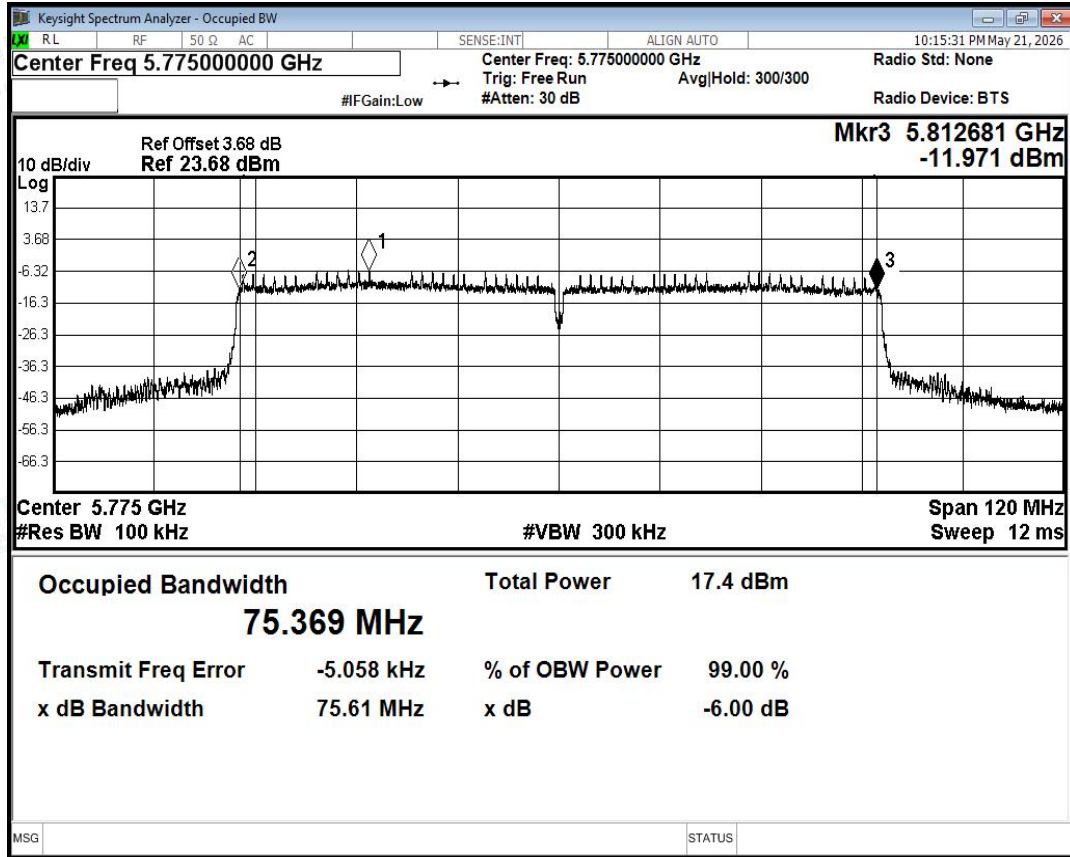


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-6dB Bandwidth NVNT ac80 5775MHz Ant1



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## G.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Conducted Power (dBm) | Limit Conducted(dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-----------------------------|----------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 11.61                 | 0.18             | 11.79                       | 30                   | Pass    |
| NVNT      | a    | 5785            | Ant1    | 11.6                  | 0.18             | 11.78                       | 30                   | Pass    |
| NVNT      | a    | 5825            | Ant1    | 12.11                 | 0.21             | 12.32                       | 30                   | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 10.83                 | 0.22             | 11.05                       | 30                   | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 10.97                 | 0.22             | 11.19                       | 30                   | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 11.07                 | 0.22             | 11.29                       | 30                   | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 10.72                 | 0.42             | 11.14                       | 30                   | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 10.76                 | 0.42             | 11.18                       | 30                   | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 10.9                  | 0.21             | 11.11                       | 30                   | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 10.92                 | 0.21             | 11.13                       | 30                   | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 11.08                 | 0.21             | 11.29                       | 30                   | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 10.8                  | 0.42             | 11.22                       | 30                   | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 10.76                 | 0.42             | 11.18                       | 30                   | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 10                    | 0.79             | 10.79                       | 30                   | Pass    |



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### G.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/500KHz) | Duty Factor (dB) | Total PSD (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|-----------|------|-----------------|---------|----------------------------|------------------|------------------------|--------------------|---------|
| NVNT      | a    | 5745            | Ant1    | -2.58                      | 0.18             | -2.4                   | 29.33              | Pass    |
| NVNT      | a    | 5785            | Ant1    | -2.55                      | 0.18             | -2.37                  | 29.33              | Pass    |
| NVNT      | a    | 5825            | Ant1    | -2.02                      | 0.21             | -1.81                  | 29.33              | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -3.36                      | 0.22             | -3.14                  | 29.33              | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -3.3                       | 0.22             | -3.08                  | 29.33              | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -3.24                      | 0.22             | -3.02                  | 29.33              | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -6.46                      | 0.42             | -6.04                  | 29.33              | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -6.58                      | 0.42             | -6.16                  | 29.33              | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -3.29                      | 0.21             | -3.08                  | 29.33              | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -3.32                      | 0.21             | -3.11                  | 29.33              | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -3.26                      | 0.21             | -3.05                  | 29.33              | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -6.32                      | 0.42             | -5.9                   | 29.33              | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -6.39                      | 0.42             | -5.97                  | 29.33              | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -10                        | 0.79             | -9.21                  | 29.33              | Pass    |

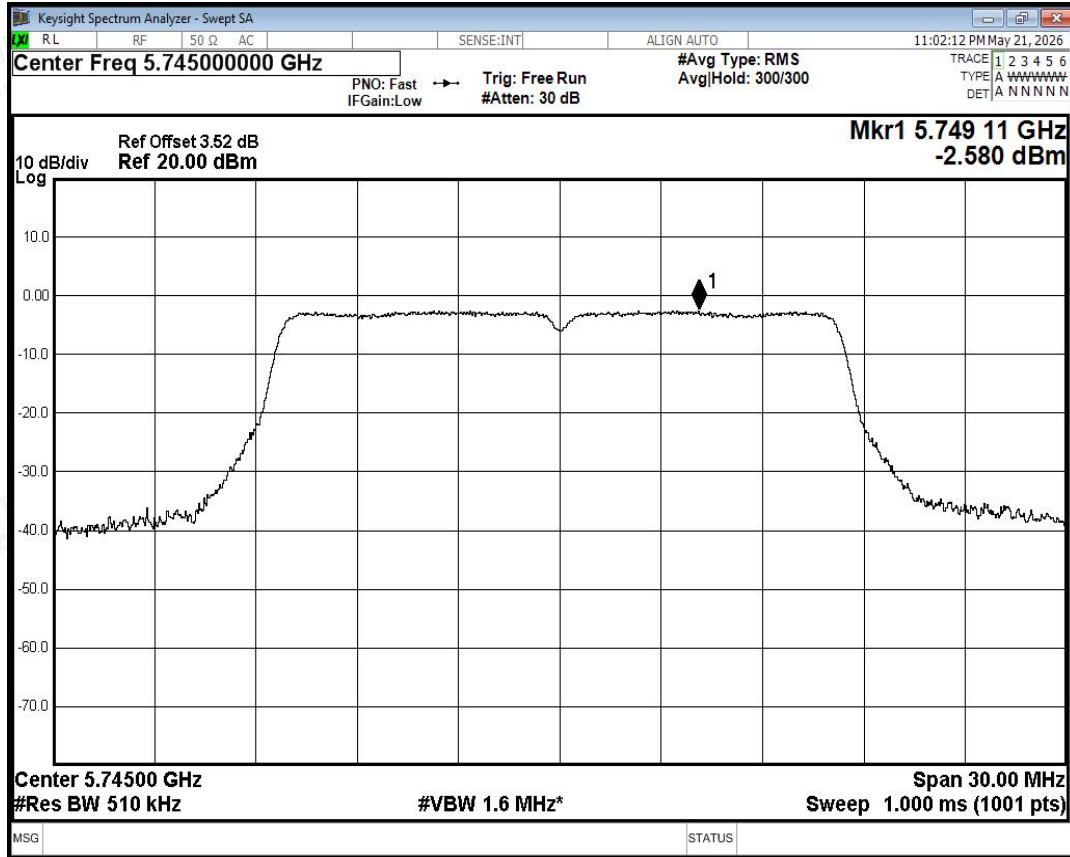


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PSD NVNT a 5745MHz Ant1

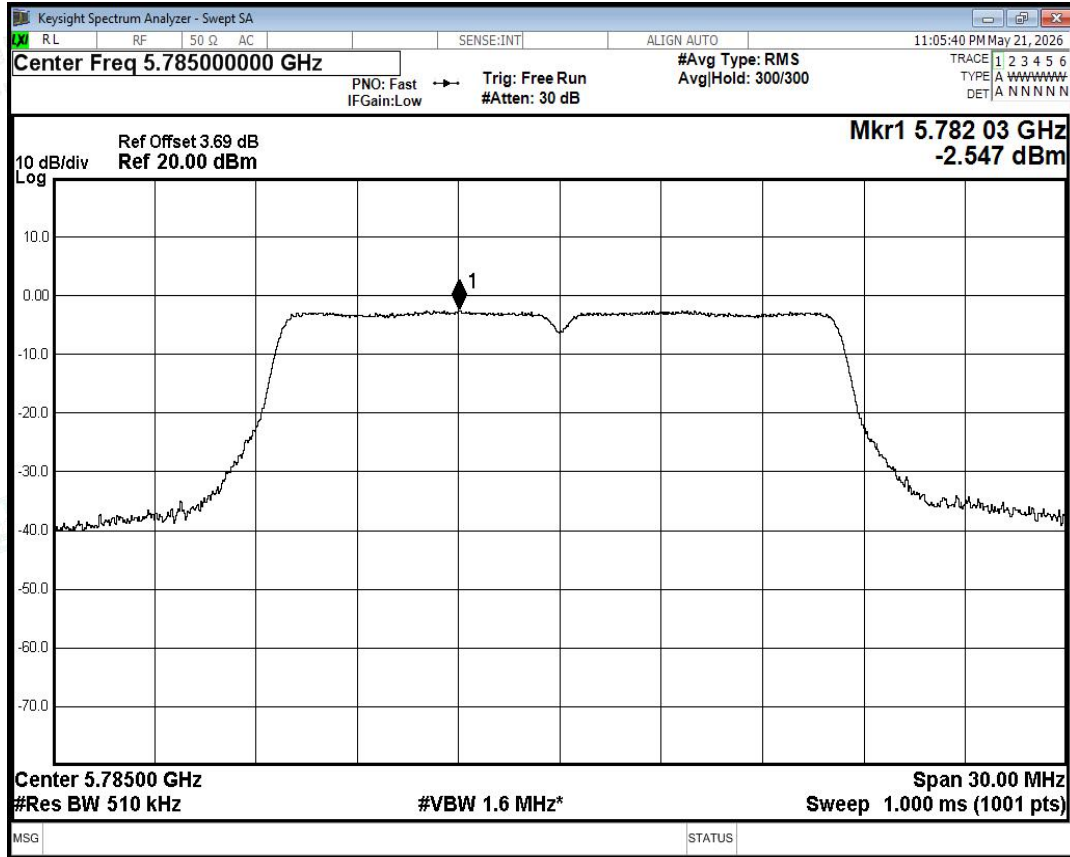


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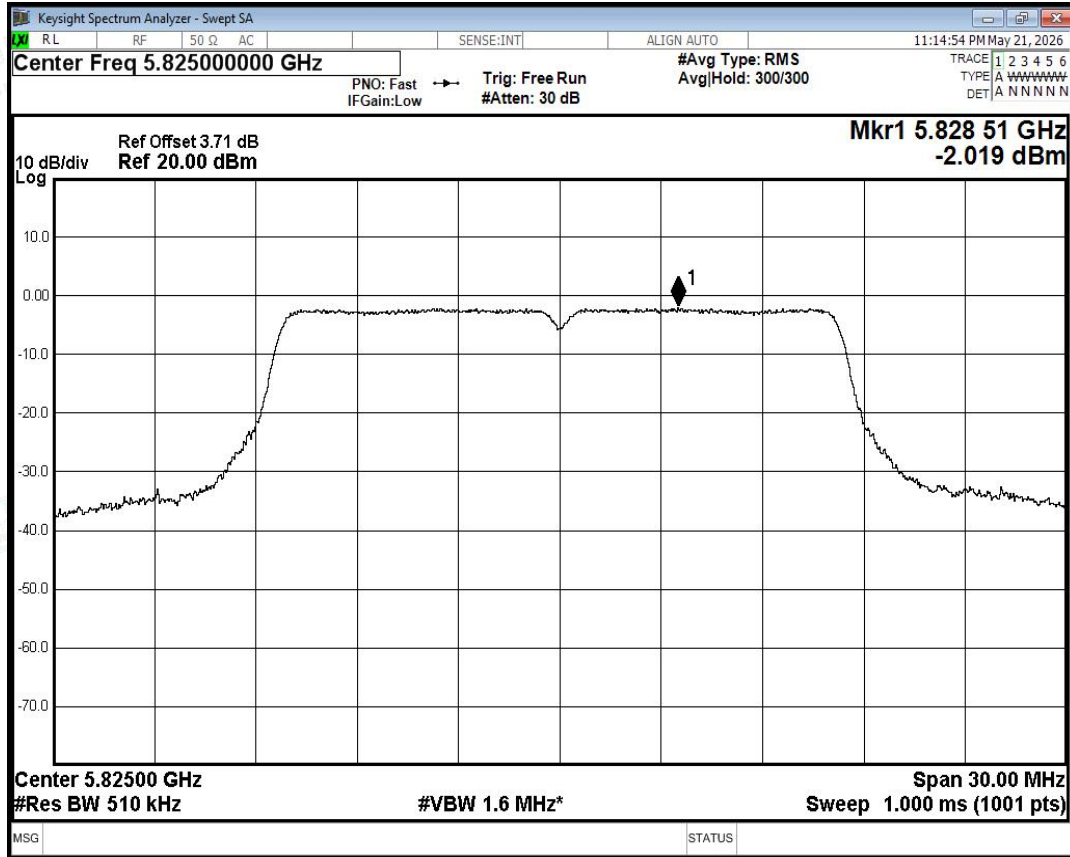


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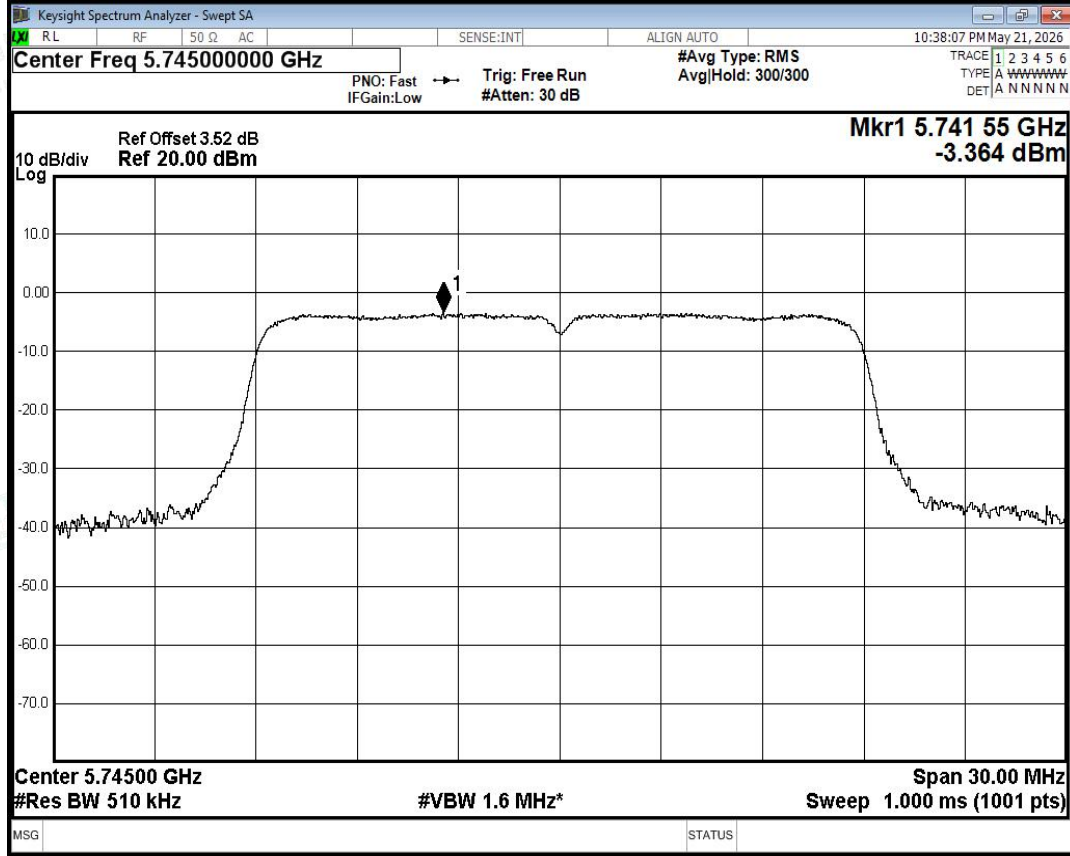


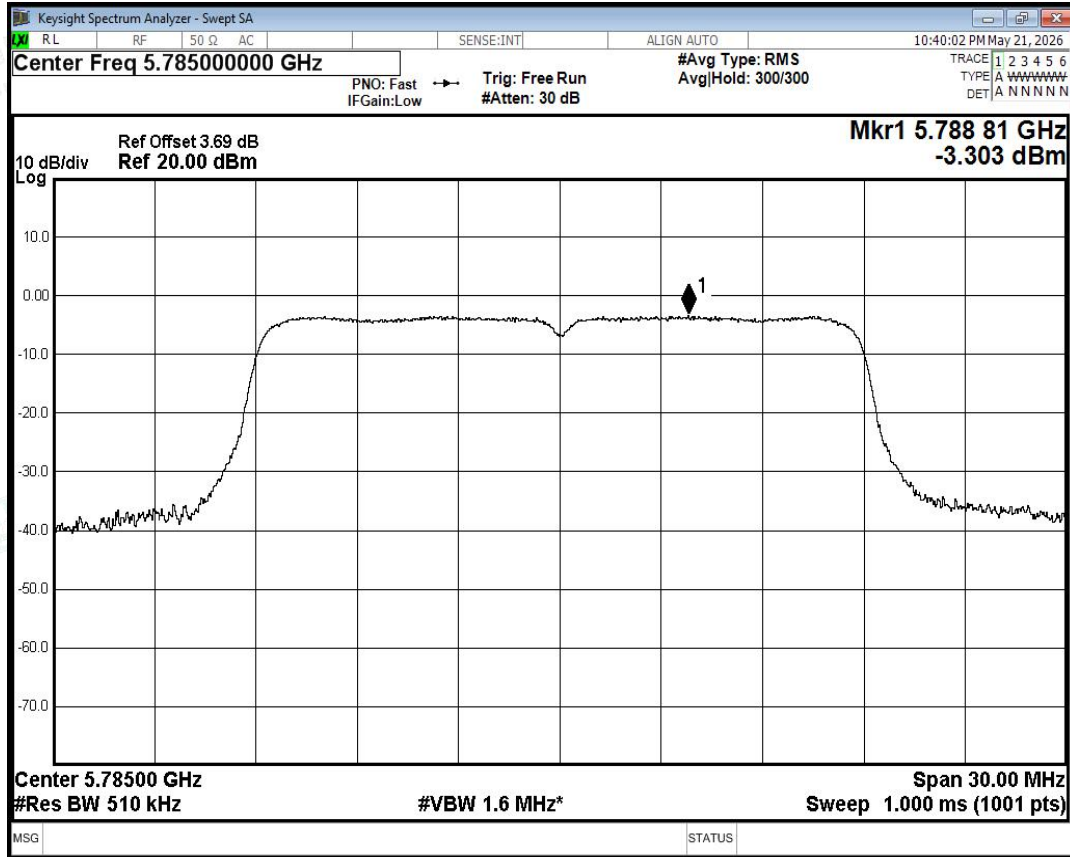
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PSD NVNT n20 5785MHz Ant1

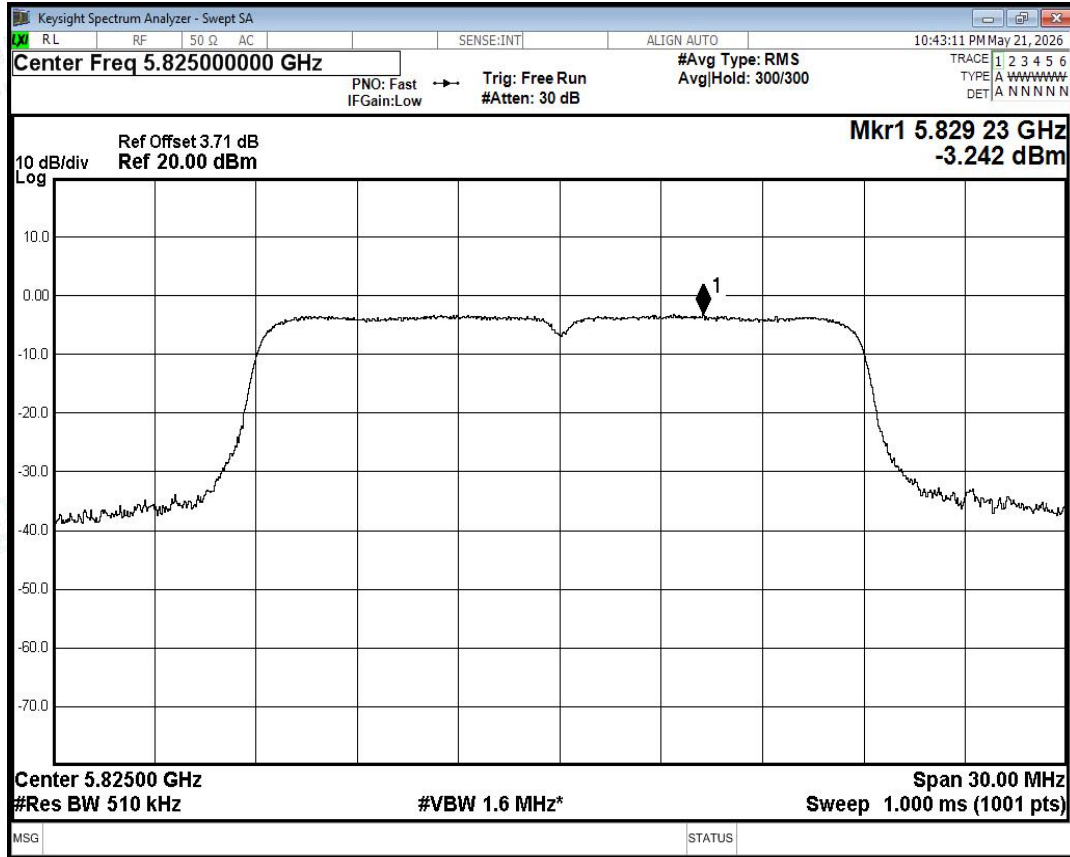


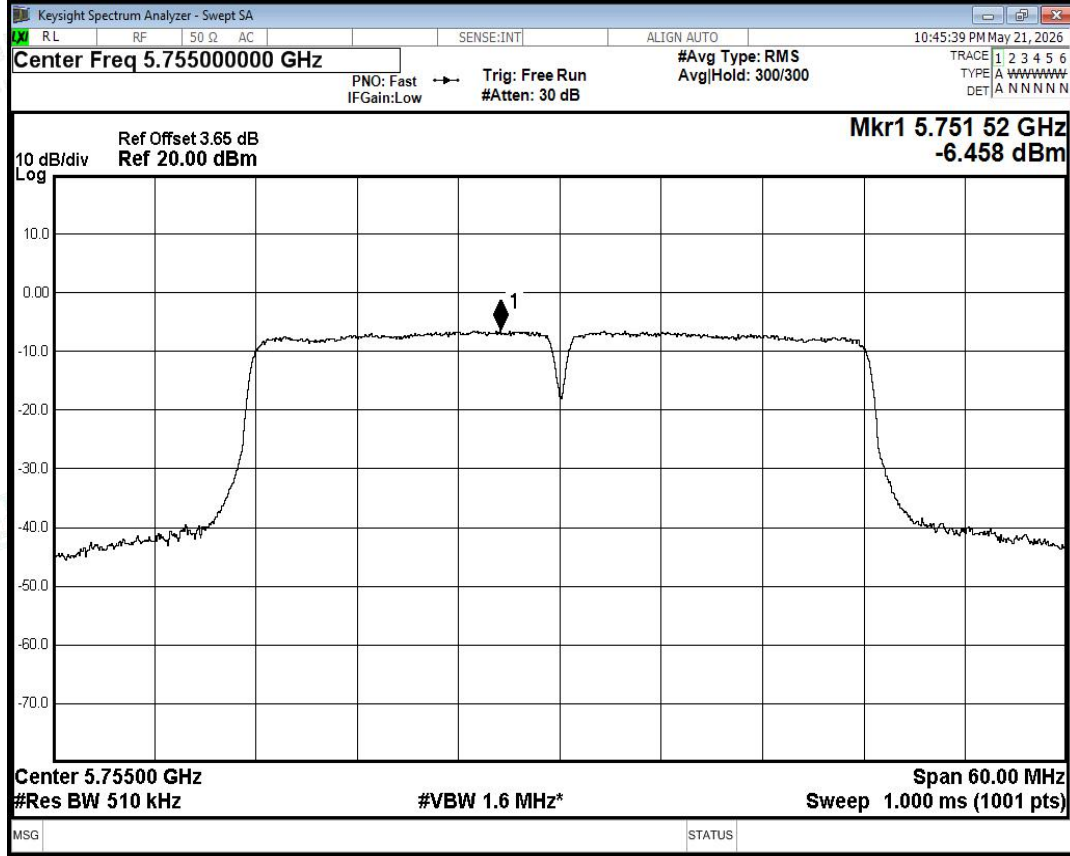
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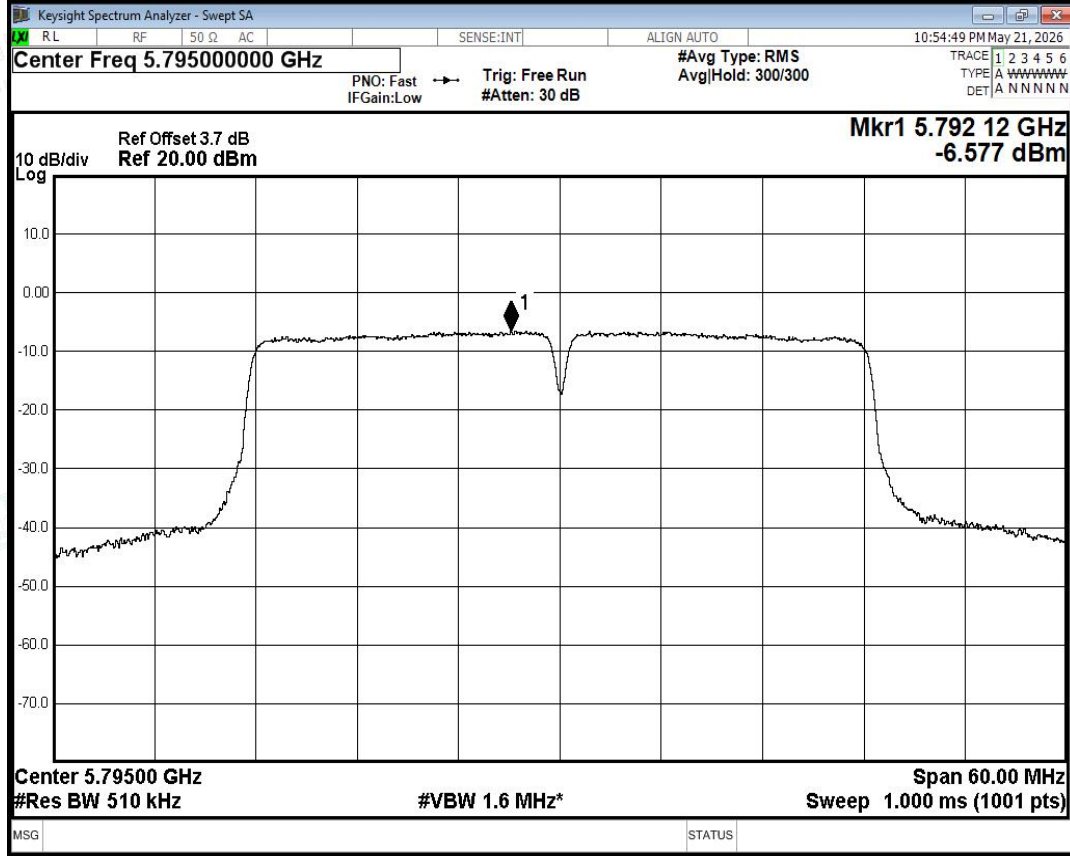


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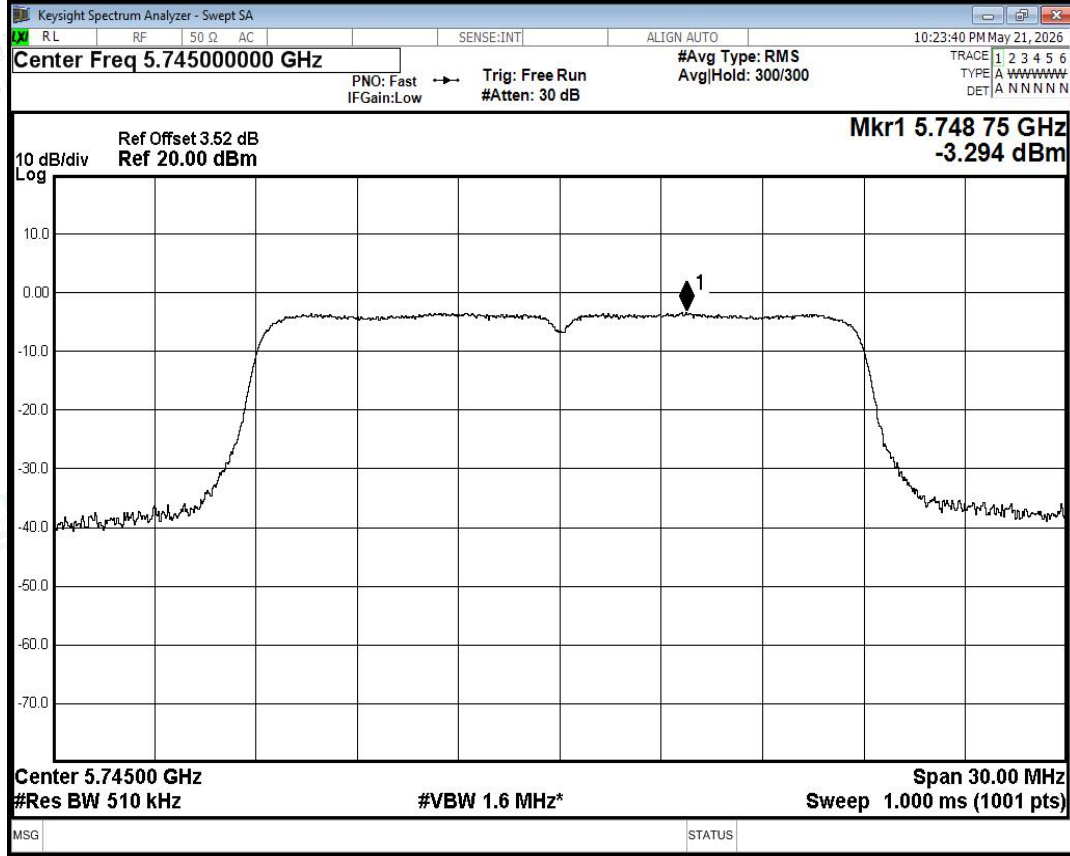


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PSD NVNT ac20 5745MHz Ant1

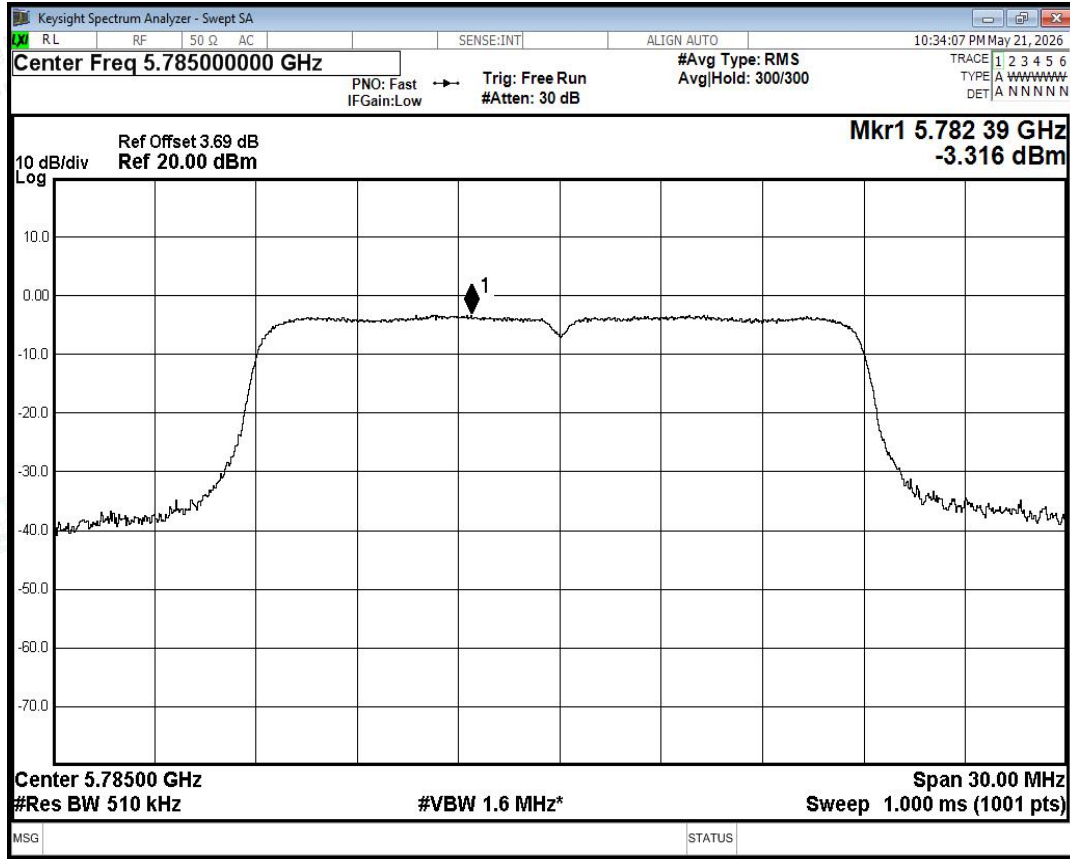


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PSD NVNT ac20 5785MHz Ant1

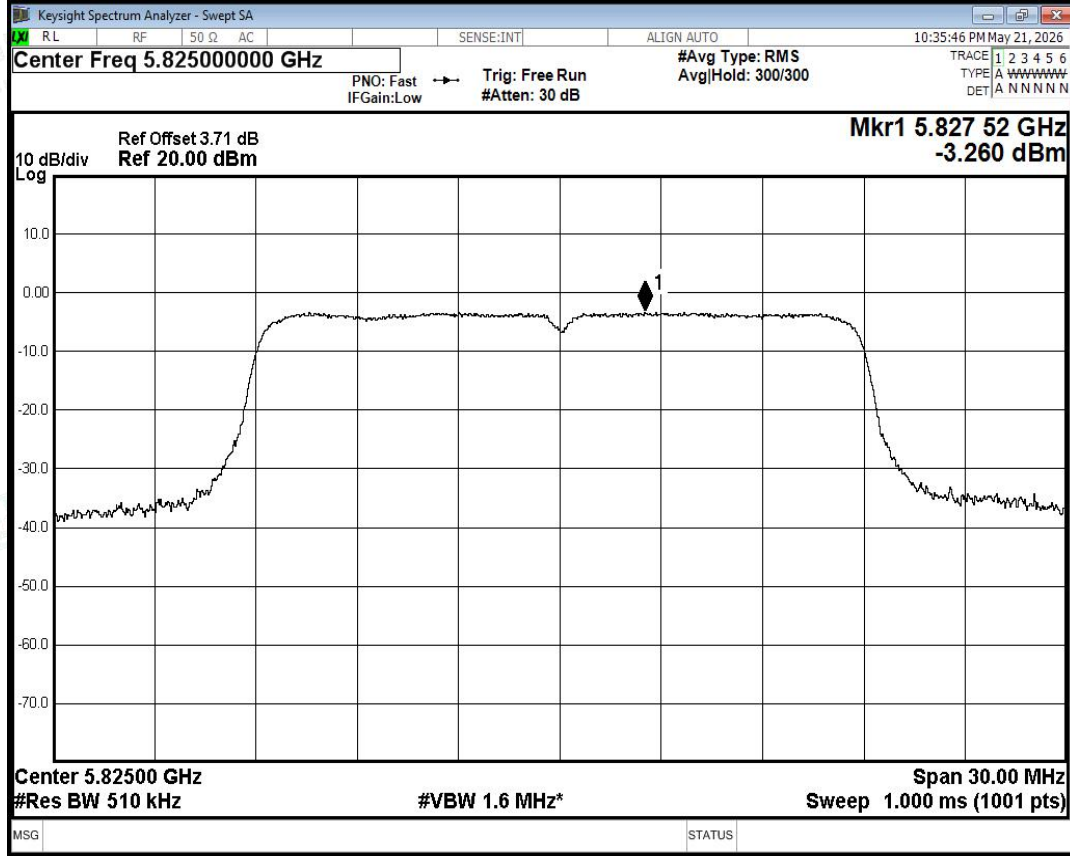


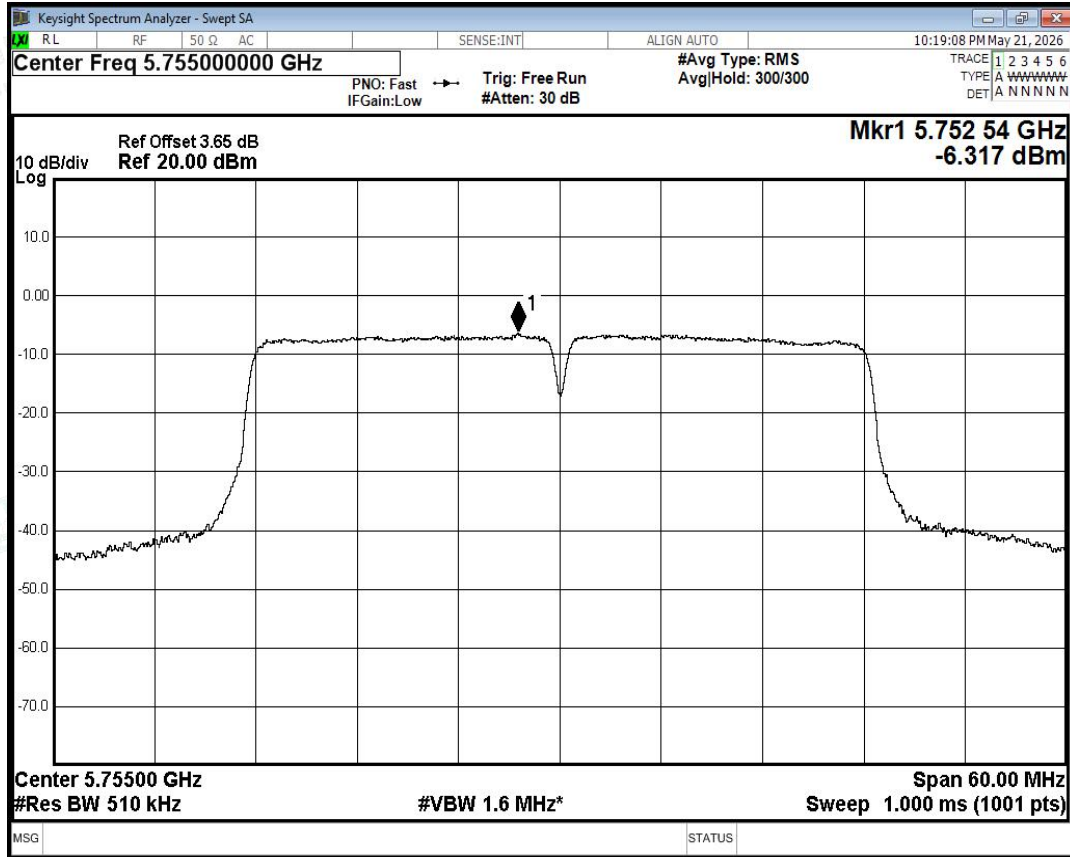
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