SMID/RFI-F02

**RADIO FREQUENCY INTERFERENCE (RFI) SCANNING REQUEST**

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| SECTION I: REQUESTOR INFORMATION |
| Name |  |
| Company |  |
| Phone number |  | Email |  |

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| SECTION II: INTERFERED RECEIVER INFORMATION |
| Receive Frequency |  | MHz |
| Modulation | WCDMA |  | Bandwidth | 5 MHz |  |
| RFI Impacts |  |
| RFI Occurrence Trend | Periodic - please provide detail in Appendix 1 |
| Site Name & Location |  |  |
|  | N |  | E |
| Apparatus Assignment No. |  |

(Note: Please fill the worst interfered site and list out adjacent interfered sites in Appendix 1)

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| SECTION III: CONTACT SUPPORT |
| Name |  |
| Phone number |  | Email |  |

(Note: Please furnish contact support for real-time RFI update, cell block request and site access)

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| SECTION IV: FOR MCMC USE ONLY |
| Engineer in charge |  |
| Received Date |  |
| RFI Category |[ ]  Harmful |[ ]  Complete submission |
|  |[ ]  Major |[ ]  Incomplete submission |
|  |[ ]  Minor |  |  |

**APPENDIX 1**

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| ADJACENT INTERFERED SITES |
| Site Name | Latitude (N) | Longitude (E) | Apparatus Assignment No |
|  |  |  |  |
|  |  |  |  |
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| 2ND INTERFERED RECEIVER (FOR MICROWAVE LINK) |
| Receive Frequency |  | MHz |
| Modulation | 256QAM |  | Bandwidth | 28 MHz |  |
| Site Name & Location |  |  |
|  | N |  | E |
| Apparatus Assignment No. |  |

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| SITE CONFIGURATION |
| Site Name | Structure Type | AZ (⁰) | EL (⁰) | Coverage / Link path (m) | RRU ID / POL (V/H) |
|  | Normal rooftop |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Normal rooftop |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Normal rooftop |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Normal rooftop |  |  |  |  |
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| E-TILTING RESULT |
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| Note: If adjacent site not affected, please provide e-tilting for both adjacent and main interfered site.  |

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| RFI OCCURANCE TREND |
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| Note: Please insert interference statistic graph for all interfered sites starting from first interference occurrence. |

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| SPECTRUM PLOT FROM THE WORST INTERFERED ANTENNA |
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| Note: RRU scanning result could be used instead of spectrum plot. Mute test results for microwave link. |

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| INTERNAL PROBLEM CHECKLIST |
| No | Checklist |  |
| 1 | Antenna check / VSWR test |[ ]
| 2 | Jumper cable and connectors test / PIM test |[ ]
| 3 | Receiver or RRU test, reset or swap |[ ]
| 4 | Port in balance  |[ ]

(Note: Please complete the checklist when only 1 site is interfered or interference started at different time for all interfered sites)

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| MAP OF SUSPECTED INTERFERING AREA |
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| Note: Please insert map of all interfered sites including azimuth of every sector and suspected interfering area. Size of map should be at least 5km radius from the site and pointing true north.  |

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| REMARKS FOR MAP: FOR MCMC USE ONLY |
| Date | Engineer | Area covered / Building’s name | Remark & Plot No |
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Note: Please mark scanned area on the map and denote building’s name at above table.